

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092319\
 Data File : VX012595.D
 Acq On : 23 Sep 2019 10:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:07:33 AM

Quant Time: Sep 23 12:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	201610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	354139	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	134982	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	15680	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
35) Dibromofluoromethane	5.49	113	10303	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
50) Toluene-d8	8.71	98	42410	5.30	ug/l	0.00
Spiked Amount			Recovery	=	10.60%	
62) 4-Bromofluorobenzene	11.14	95	15609	4.75	ug/l	0.00
Spiked Amount			Recovery	=	9.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	11574	8.640	ug/l	94
3) Chloromethane	1.32	50	12935	9.774	ug/l	99
4) Vinyl Chloride	1.40	62	12961	9.274	ug/l	97
5) Bromomethane	1.62	94	4980	8.892	ug/l	95
6) Chloroethane	1.70	64	10267	9.550	ug/l	98
7) Trichlorofluoromethane	1.92	101	18597	7.839	ug/l	96
8) Diethyl Ether	2.18	74	7495	7.106	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11369	6.812	ug/l	97
10) Methyl Iodide	2.50	142	6964	5.066	ug/l	98
11) Tert butyl alcohol	3.03	59	17985	23.367	ug/l	98
12) 1,1-Dichloroethene	2.36	96	11012	7.843	ug/l	93
13) Acrolein	2.28	56	6970	22.425	ug/l	99
14) Allyl chloride	2.72	41	21076	6.739	ug/l	99
15) Acrylonitrile	3.13	53	35844	28.045	ug/l	100
16) Acetone	2.44	43	37810	25.465	ug/l	97
17) Carbon Disulfide	2.56	76	28762	12.840	ug/l	99
18) Methyl Acetate	2.76	43	18050	5.879	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	40503	5.738	ug/l	98
20) Methylene Chloride	2.84	84	13051	6.990	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	11965	8.141	ug/l	98
22) Diisopropyl ether	3.84	45	40691	5.762	ug/l	93
23) Vinyl Acetate	3.80	43	175132	29.831	ug/l	100
24) 1,1-Dichloroethane	3.69	63	22323	6.454	ug/l	97
25) 2-Butanone	4.66	43	54665	26.938	ug/l	95
26) 2,2-Dichloropropane	4.58	77	19295	5.777	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	13073	6.294	ug/l	91
28) Bromochloromethane	5.00	49	8729	5.140	ug/l	99
29) Tetrahydrofuran	5.12	42	33042	29.116	ug/l	99
30) Chloroform	5.20	83	23207	5.971	ug/l	98
31) Cyclohexane	5.57	56	20896	8.865	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	20276	6.174	ug/l	99
36) 1,1-Dichloropropene	5.79	75	16627	7.223	ug/l	99
37) Ethyl Acetate	4.82	43	19137	5.728	ug/l	98
38) Carbon Tetrachloride	5.77	117	17099	6.188	ug/l	95

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 23 12:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 11:56:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	20070	8.560	ug/l	98
40) Benzene	6.14	78	49517	6.840	ug/l	95
41) Methacrylonitrile	5.04	41	10540	4.970	ug/l	97
42) 1,2-Dichloroethane	6.18	62	19069	5.891	ug/l	96
43) Isopropyl Acetate	6.43	43	31881	5.367	ug/l	100
44) Trichloroethene	7.21	130	12809	6.807	ug/l	100
45) 1,2-Dichloropropane	7.51	63	12210	5.680	ug/l	95
46) Dibromomethane	7.65	93	8236	5.880	ug/l	99
47) Bromodichloromethane	7.89	83	16369	5.353	ug/l	99
48) Methyl methacrylate	7.76	41	15255	5.415	ug/l	99
49) 1,4-Dioxane	7.74	88	7182	105.084	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	99746	25.835	ug/l	98
52) Toluene	8.78	92	30867	6.660	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	16971	5.286	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	19846	5.914	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	12345	5.407	ug/l	90
56) Ethyl methacrylate	9.17	69	19475	5.393	ug/l	97
57) 1,3-Dichloropropane	9.37	76	21297	5.781	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	44877	24.292	ug/l	99
59) 2-Hexanone	9.49	43	74987	24.866	ug/l	99
60) Dibromochloromethane	9.57	129	10871	4.703	ug/l	91
61) 1,2-Dibromoethane	9.67	107	12438	5.863	ug/l	99
64) Tetrachloroethene	9.33	164	10963	7.234	ug/l	89
65) Chlorobenzene	10.14	112	32580	6.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	11456	5.371	ug/l	98
67) Ethyl Benzene	10.25	91	58856	6.430	ug/l	99
68) m/p-Xylenes	10.35	106	43892	13.096	ug/l	99
69) o-Xylene	10.70	106	21680	6.377	ug/l	98
70) Styrene	10.71	104	34811	5.827	ug/l	97
71) Bromoform	10.85	173	7011	4.456	ug/l #	98
73) Isopropylbenzene	11.01	105	56731	6.507	ug/l	99
74) N-amyl acetate	10.89	43	25853	5.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	18773	5.644	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	18334m	5.871	ug/l	
77) Bromobenzene	11.25	156	12593	6.001	ug/l	99
78) n-propylbenzene	11.35	91	61909	6.369	ug/l	99
79) 2-Chlorotoluene	11.42	91	39366	6.251	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	47200	6.369	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	5299	4.985	ug/l	87
82) 4-Chlorotoluene	11.51	91	44040	6.100	ug/l	100
83) tert-Butylbenzene	11.77	119	45001	5.772	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	45969	6.052	ug/l	99
85) sec-Butylbenzene	11.94	105	52036	6.001	ug/l	100
86) p-Isopropyltoluene	12.06	119	46473	5.844	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	22678	5.777	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	22209	5.520	ug/l	91
89) n-Butylbenzene	12.39	91	38808	5.482	ug/l	99
90) Hexachloroethane	12.59	117	7532	5.222	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	22580	5.550	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	4395	5.117	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

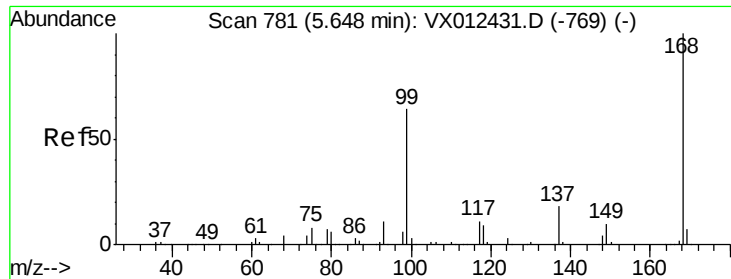
Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:07:33 AM

Quant Time: Sep 23 12:07:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 11:56:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	12974	5.024	ug/l	97
94) Hexachlorobutadiene	13.78	225	5560	4.604	ug/l	96
95) Naphthalene	13.83	128	46416	5.016	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	13292	5.046	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 201610

Ion Ratio Lower Upper

168 100

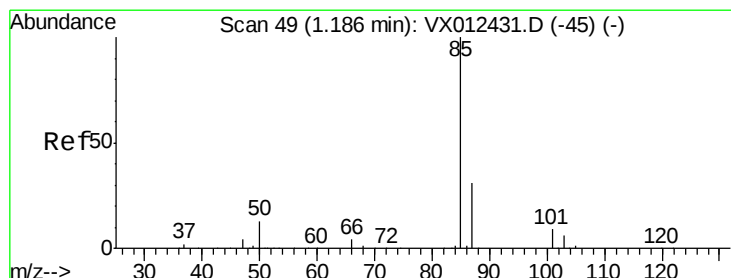
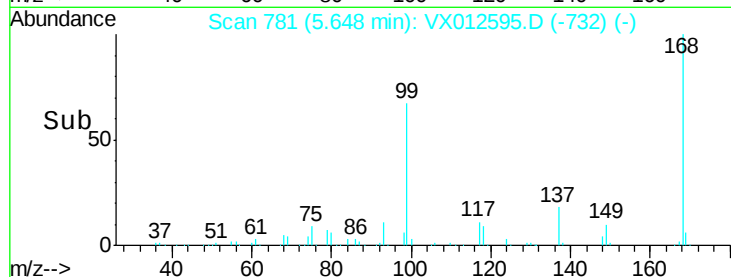
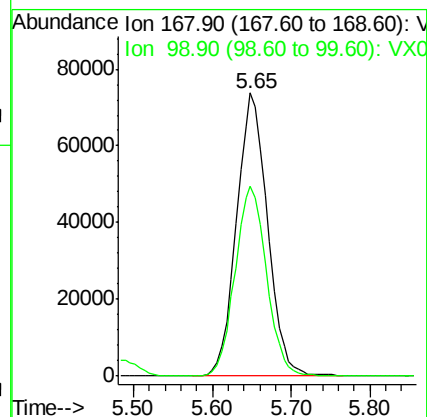
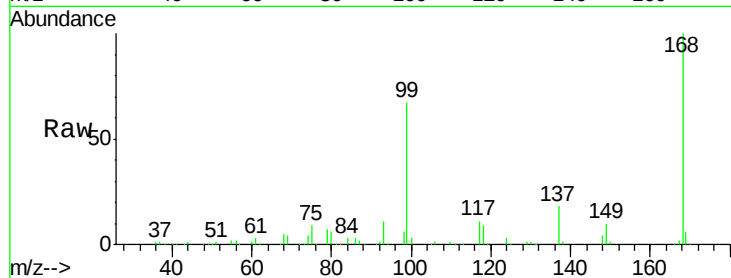
99 67.1 53.3 79.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.640 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012595.D

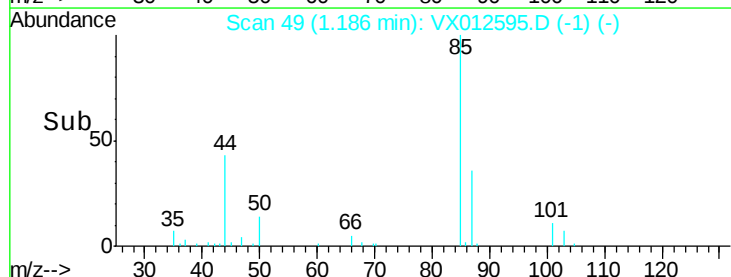
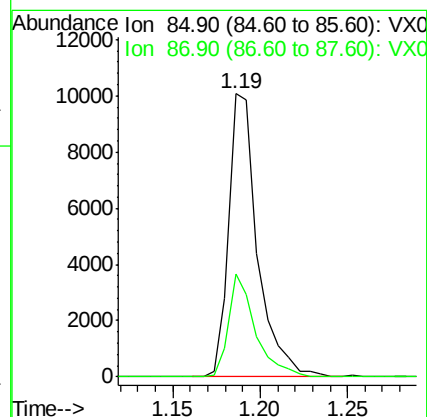
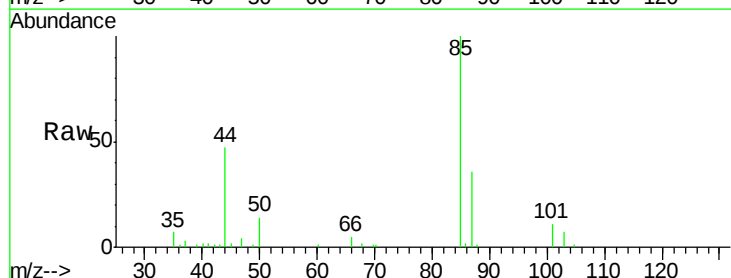
Acq: 23 Sep 2019 10:32

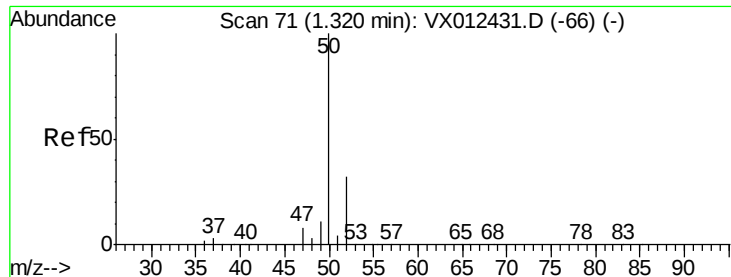
Tgt Ion: 85 Resp: 11574

Ion Ratio Lower Upper

85 100

87 36.2 16.5 49.5





#3

Chloromethane

Concen: 9.774 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12935

Ion Ratio Lower Upper

50 100

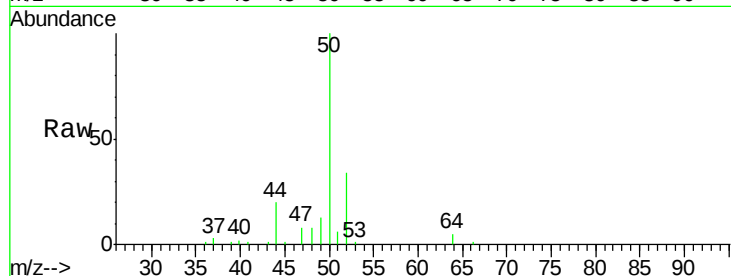
52 34.4 27.0 40.4

Manual Integrations

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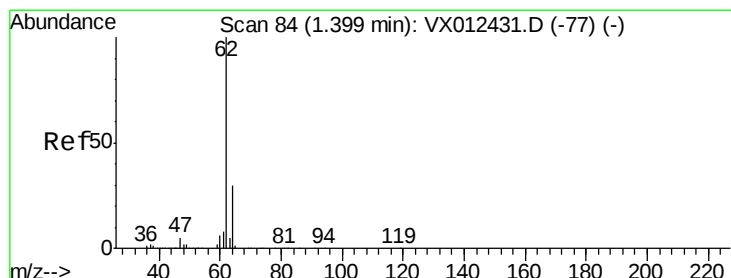
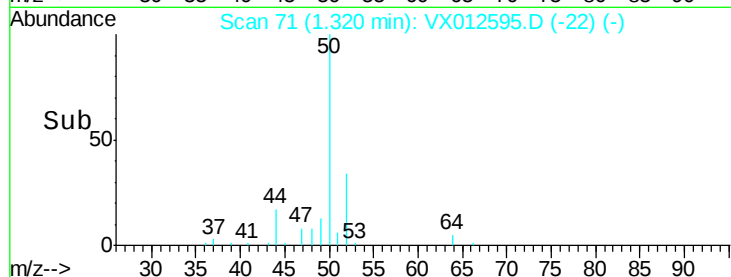
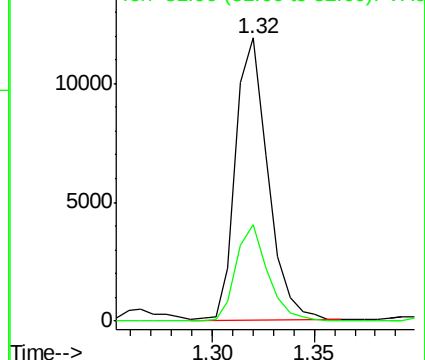
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 9.274 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012595.D

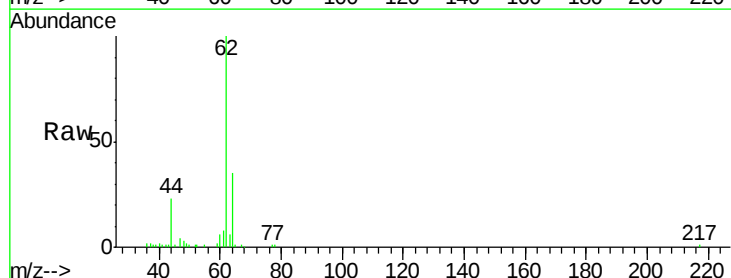
Acq: 23 Sep 2019 10:32

Tgt Ion: 62 Resp: 12961

Ion Ratio Lower Upper

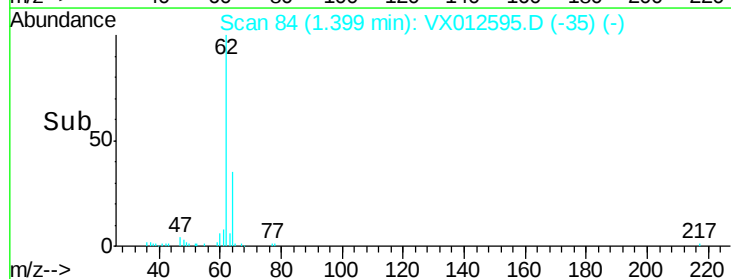
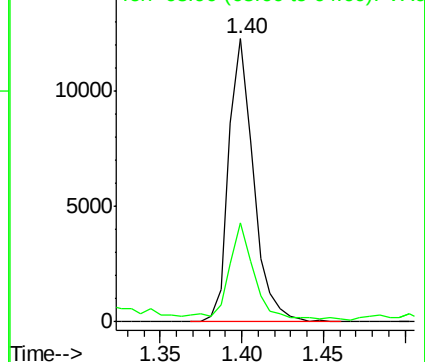
62 100

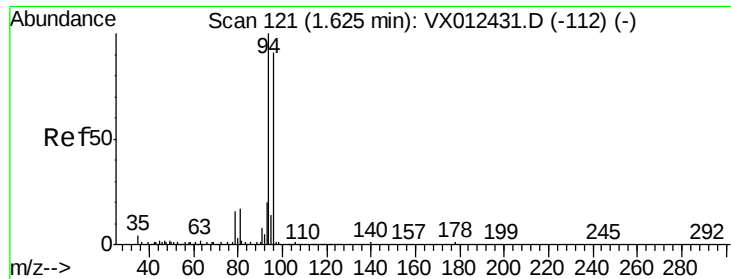
64 34.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 8.892 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4980

Ion Ratio Lower Upper

94 100

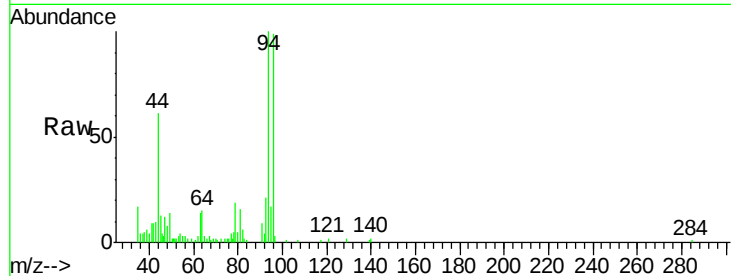
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Manual Integrations

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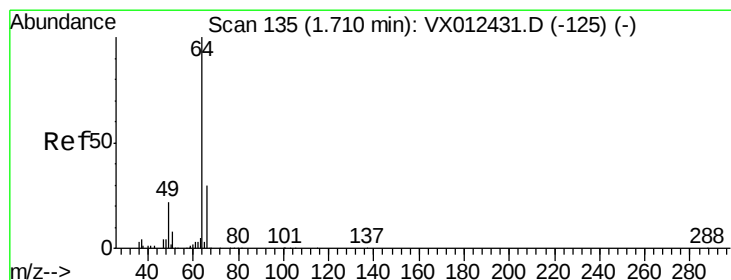
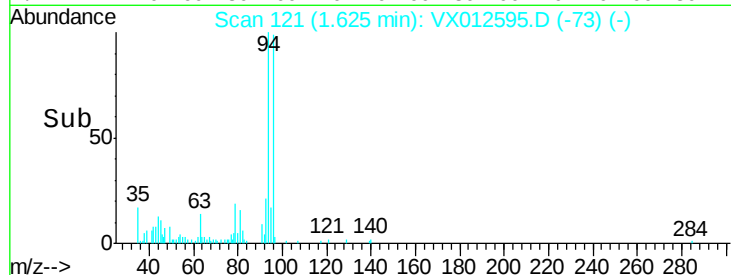
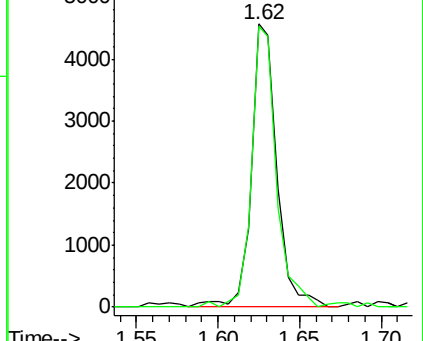
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 9.550 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012595.D

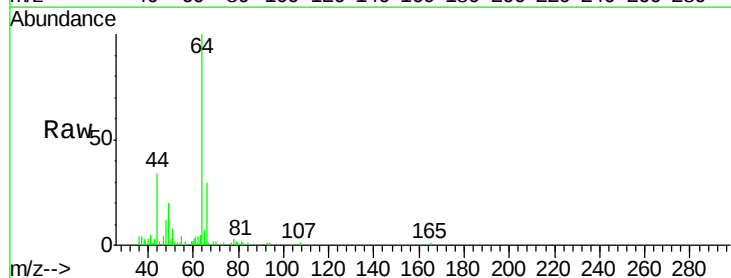
Acq: 23 Sep 2019 10:32

Tgt Ion: 64 Resp: 10267

Ion Ratio Lower Upper

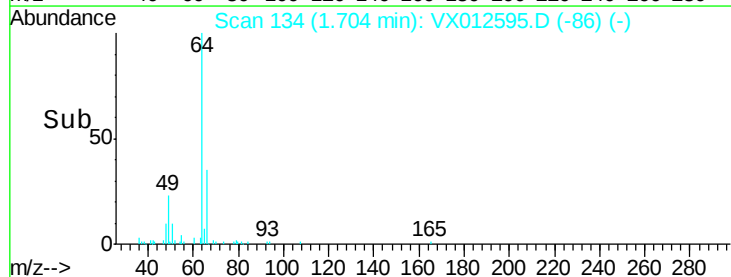
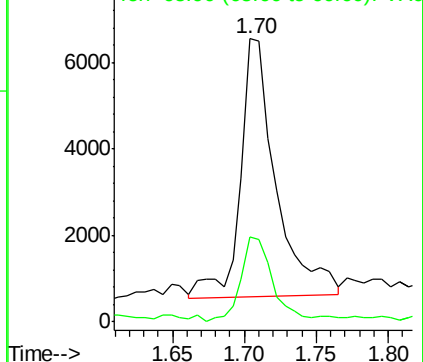
64 100

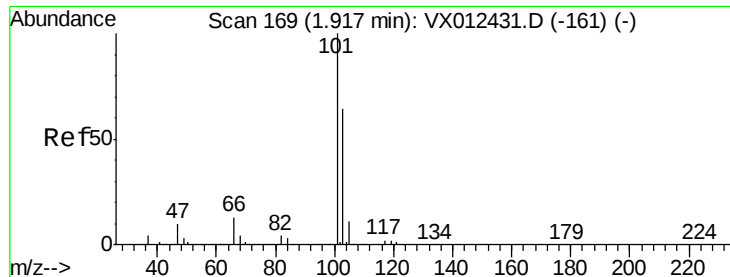
66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

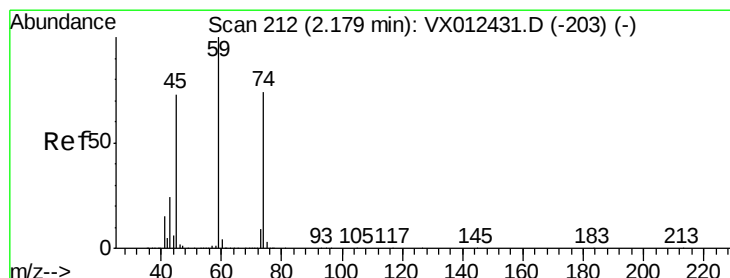
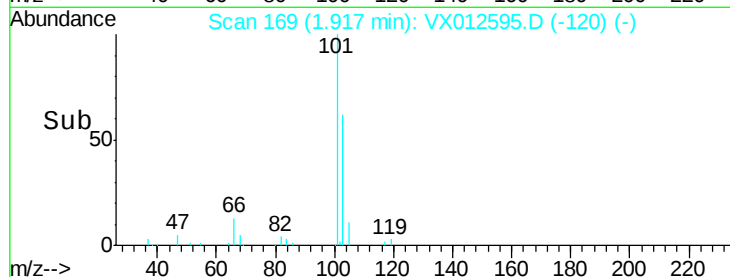
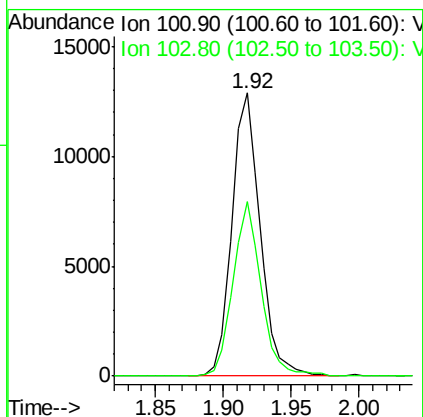
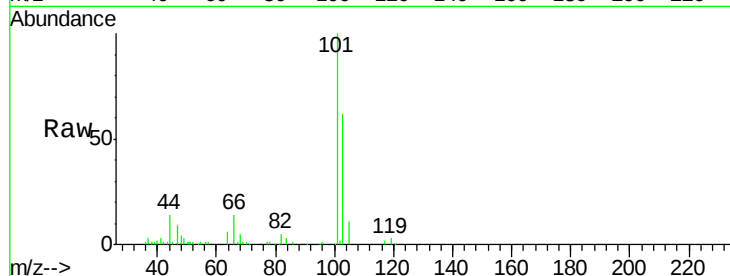
Trichlorofluoromethane
Concen: 7.839 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.7	77.5

Manual Integrations
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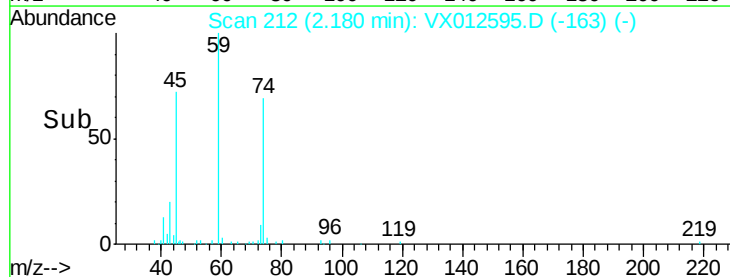
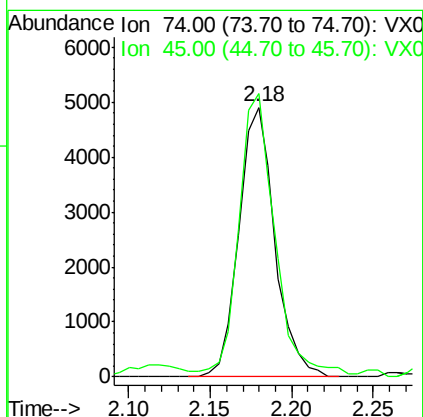
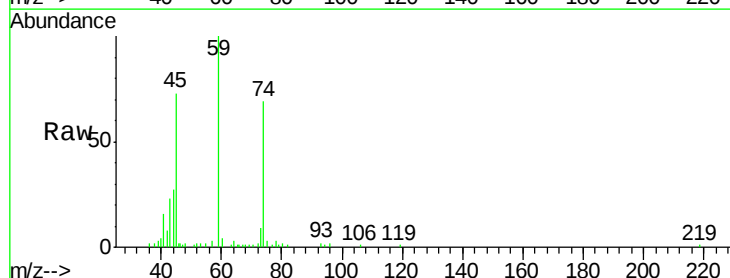
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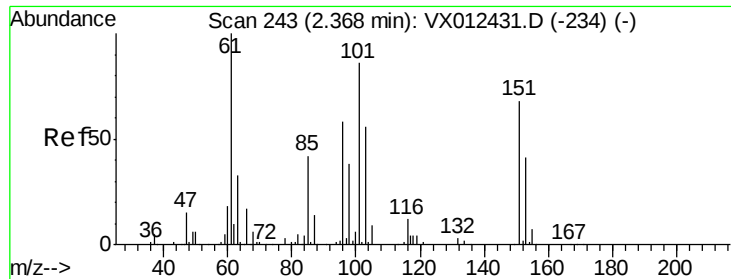


#8

Diethyl Ether
Concen: 7.106 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.812 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

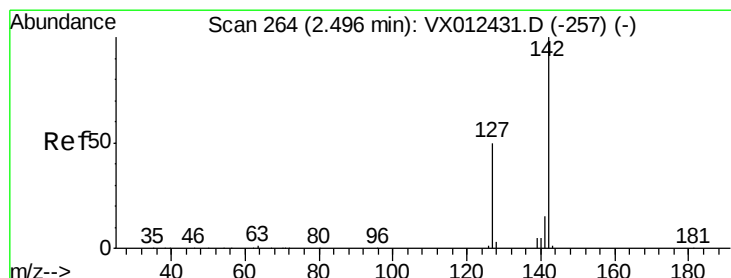
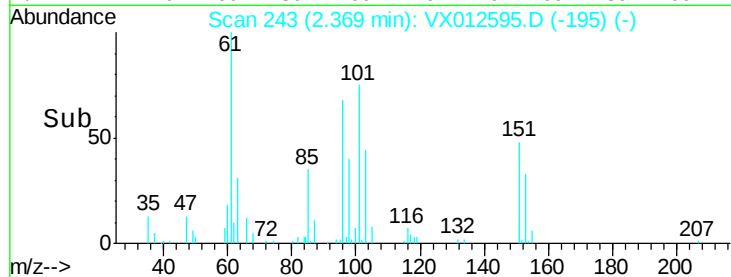
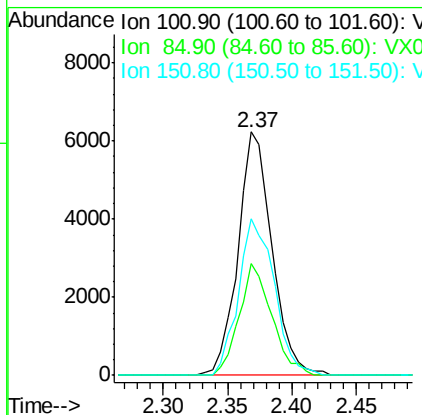
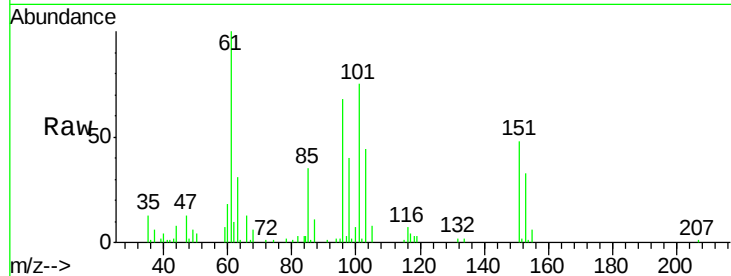
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11369
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.8	53.6
151	68.1	57.4	86.2

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#10

Methyl Iodide

Concen: 5.066 ug/l

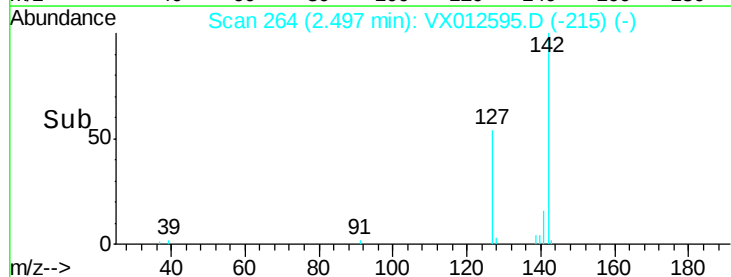
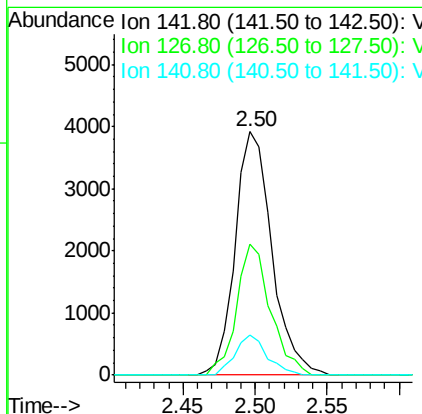
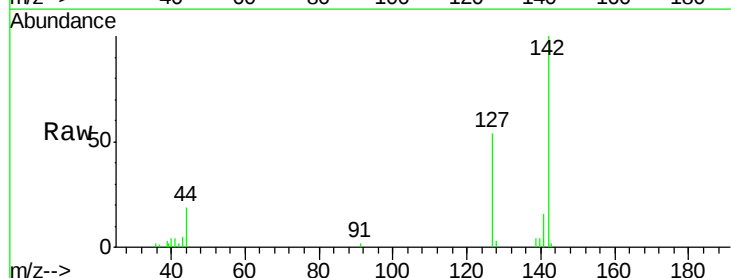
RT: 2.50 min Scan# 264

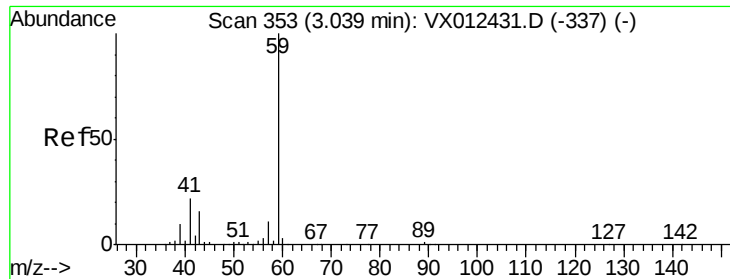
Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	142	Resp:	6964
Ion Ratio	Lower	Upper	
142	100		
127	49.5	38.1	57.1
141	14.3	11.4	17.0





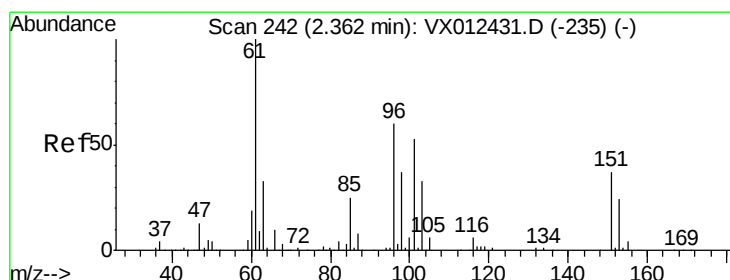
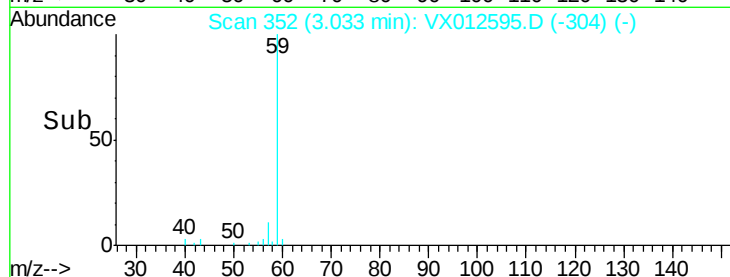
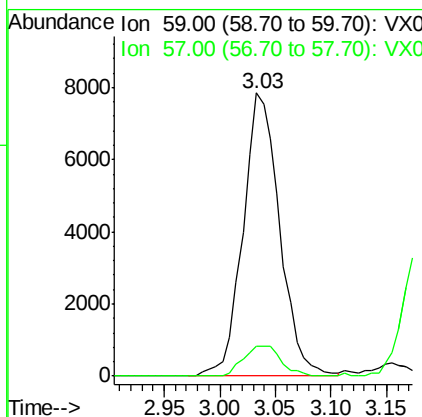
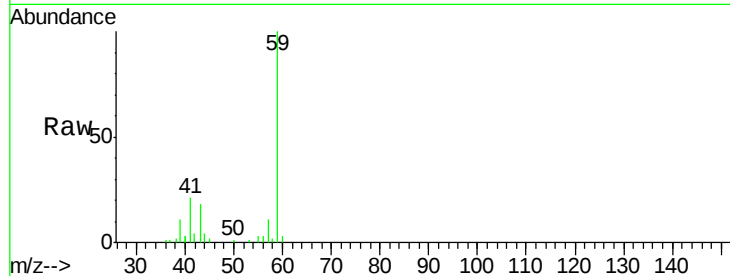
#11
Tert butyl alcohol
Concen: 23.367 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	17985
Ion Ratio	100	Lower	Upper
57	11.0	8.3	12.5

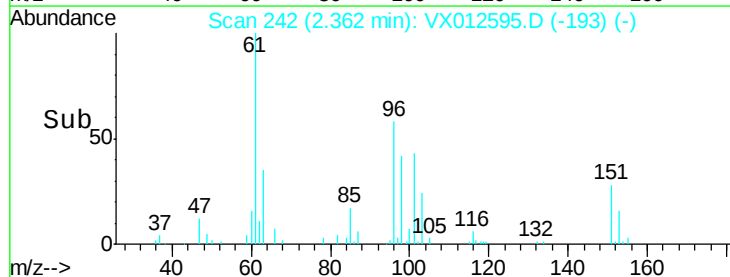
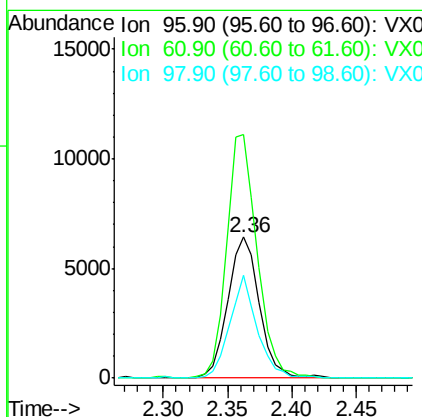
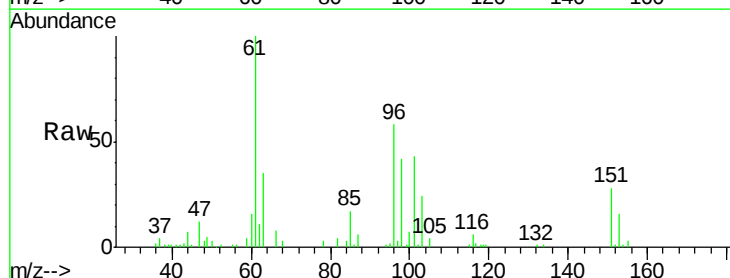
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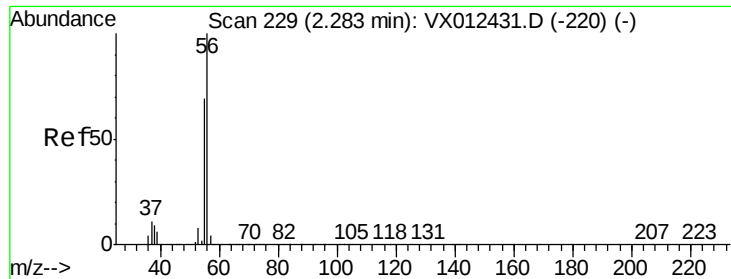
MMDadoda
9/24/2019 10:07:33 AM



#12
1,1-Dichloroethene
Concen: 7.843 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	96	Resp	11012
Ion Ratio	100	Lower	Upper
61	172.6	133.4	200.0
98	72.5	48.8	73.2





#13

Acrolein

Concen: 22.425 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6970

Ion Ratio Lower Upper

56 100

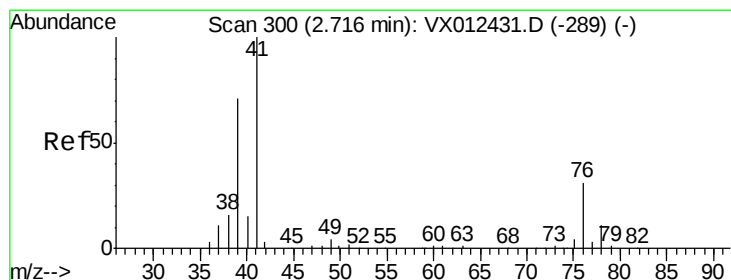
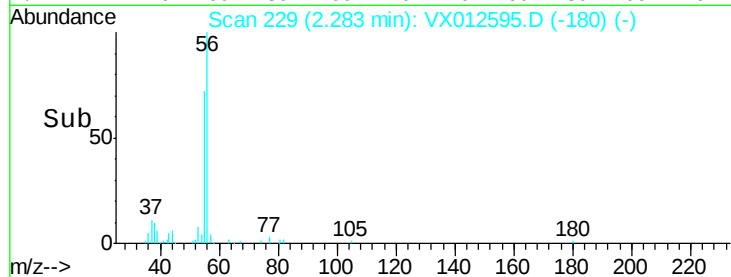
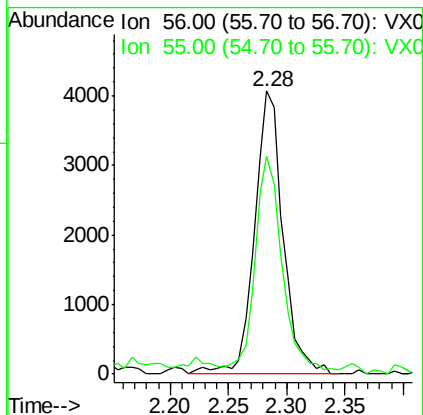
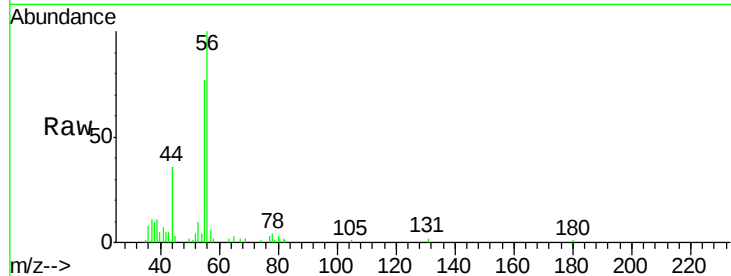
55 70.7 56.2 84.4

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#14

Allyl chloride

Concen: 6.739 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

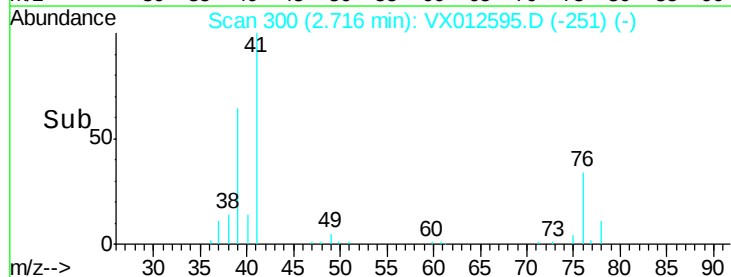
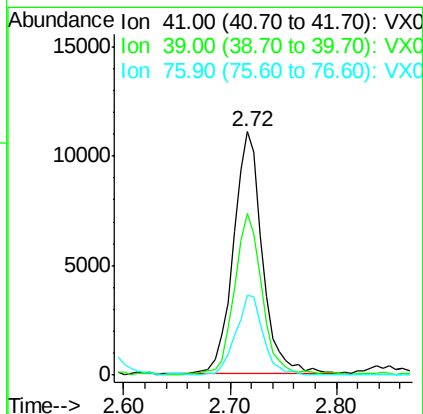
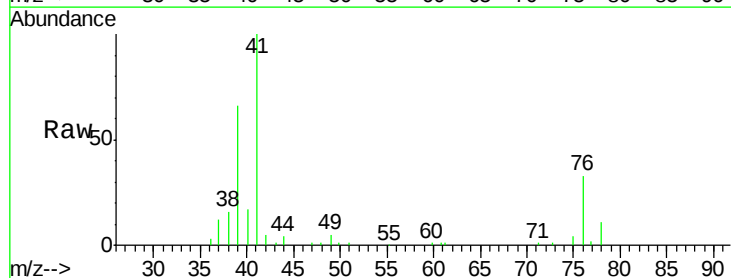
Tgt Ion: 41 Resp: 21076

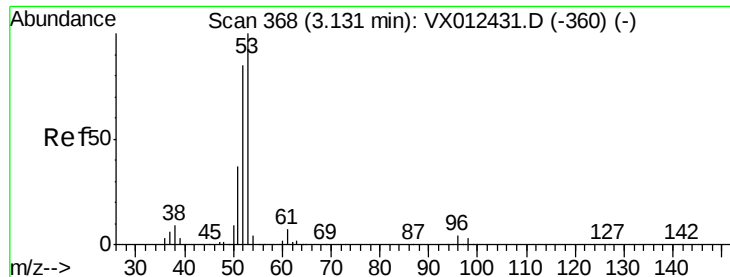
Ion Ratio Lower Upper

41 100

39 64.4 52.1 78.1

76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 28.045 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

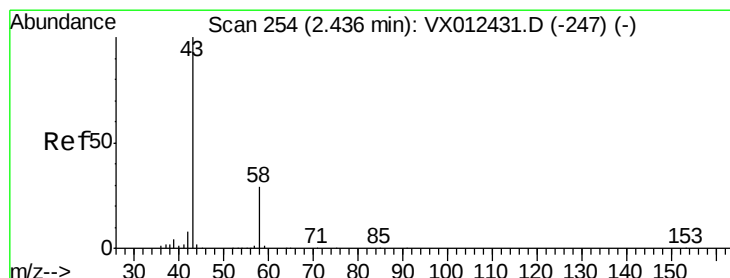
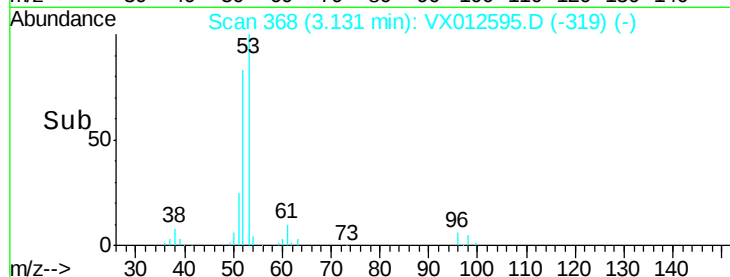
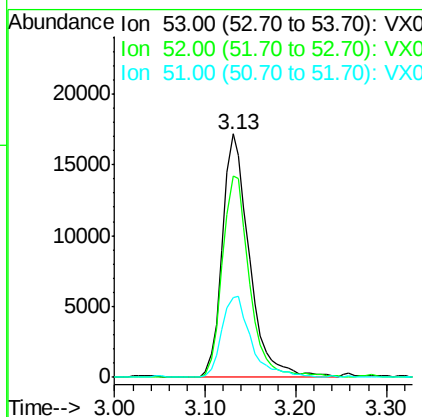
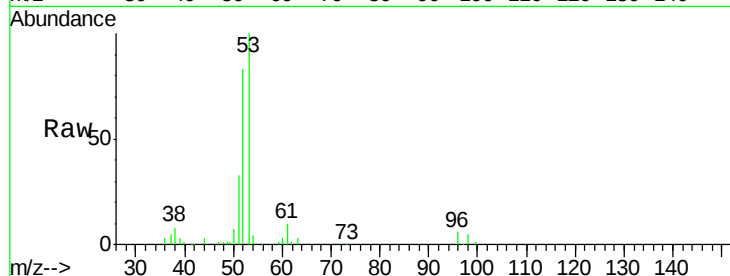
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	35844
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	36.1	29.2	43.8

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#16

Acetone

Concen: 25.465 ug/l

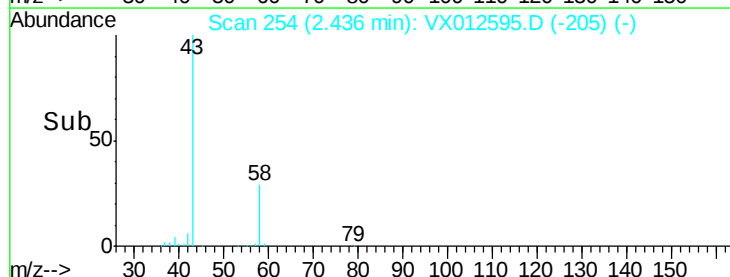
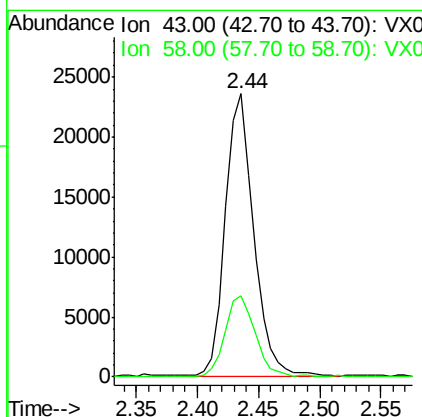
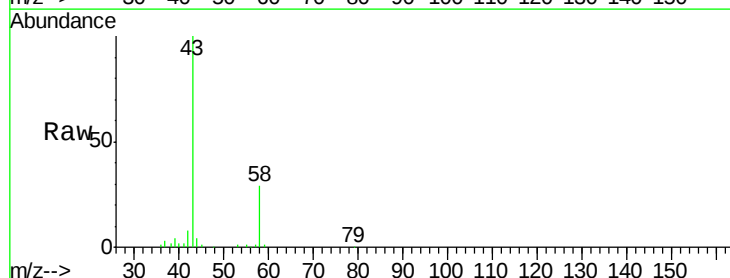
RT: 2.44 min Scan# 254

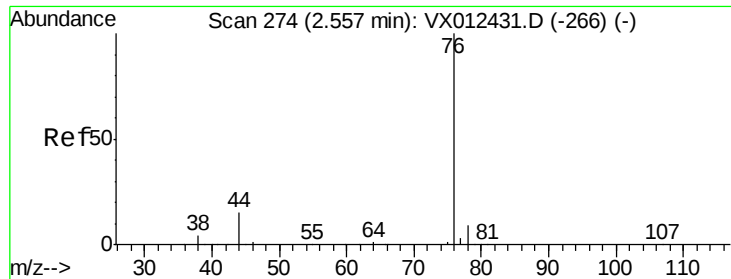
Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	43	Resp:	37810
Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.3	36.5





#17

Carbon Disulfide

Concen: 12.840 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28762

Ion Ratio Lower Upper

76 100

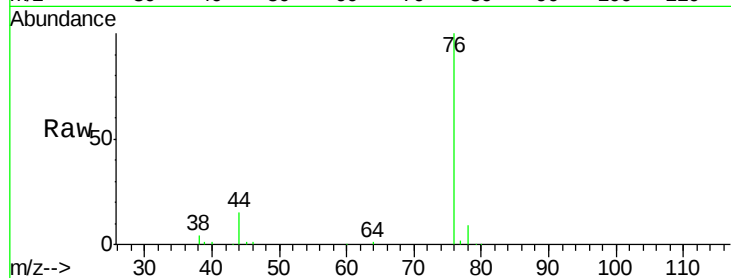
78 9.4 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

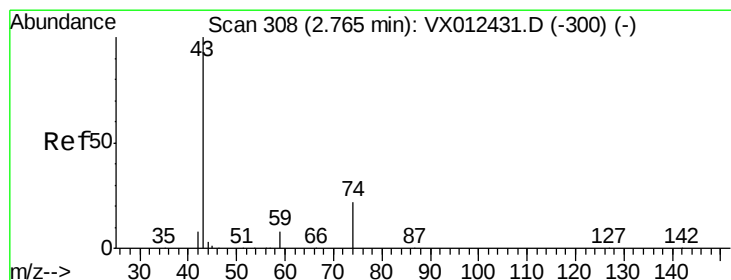
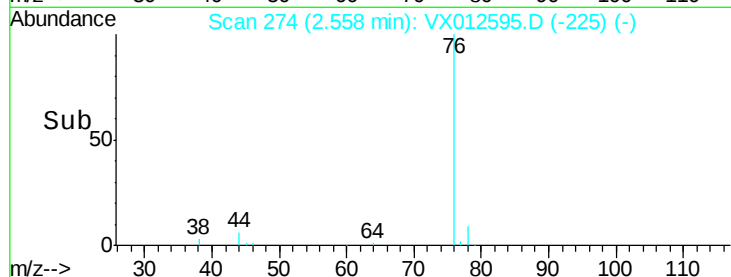
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 5.879 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012595.D

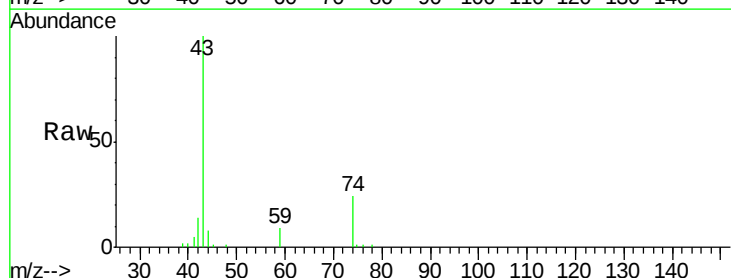
Acq: 23 Sep 2019 10:32

Tgt Ion: 43 Resp: 18050

Ion Ratio Lower Upper

43 100

74 22.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

10000

8000

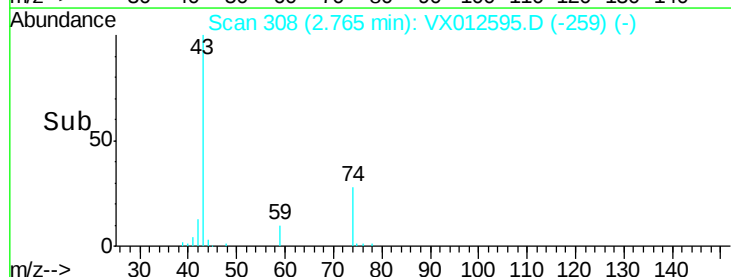
6000

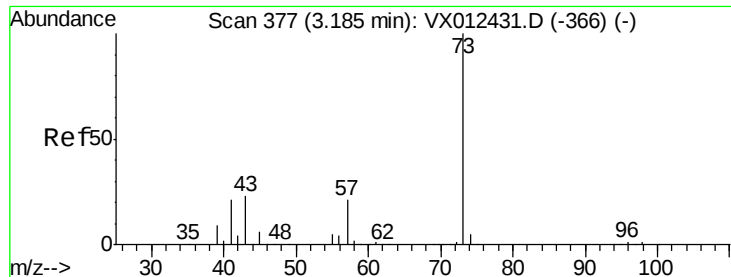
4000

2000

0

Time-->





#19

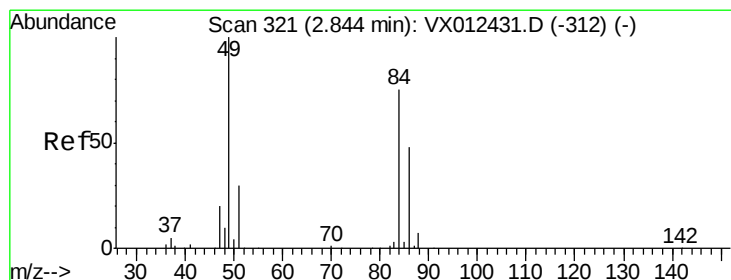
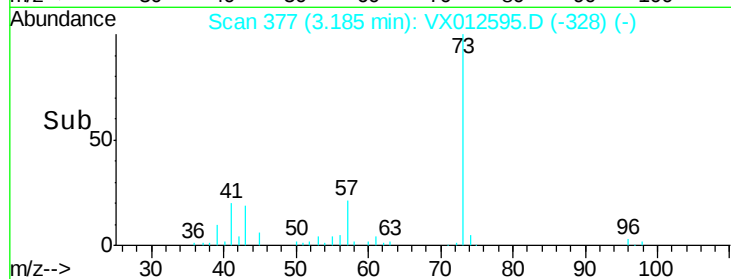
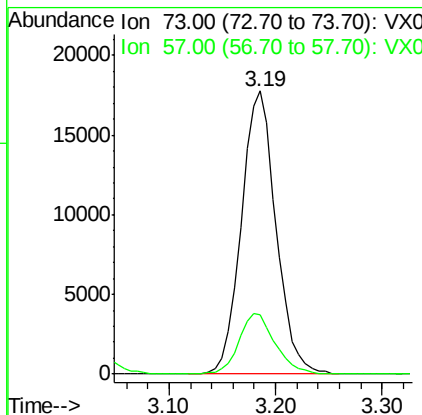
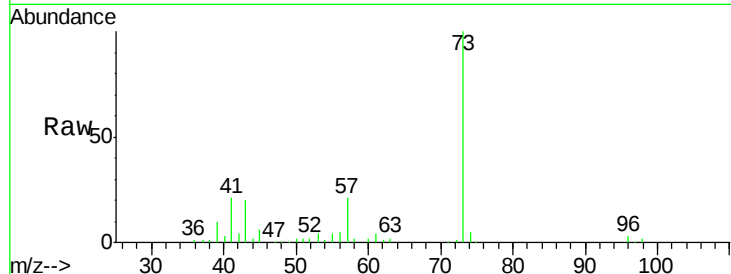
Methyl tert-butyl Ether
Concen: 5.738 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.5	26.3

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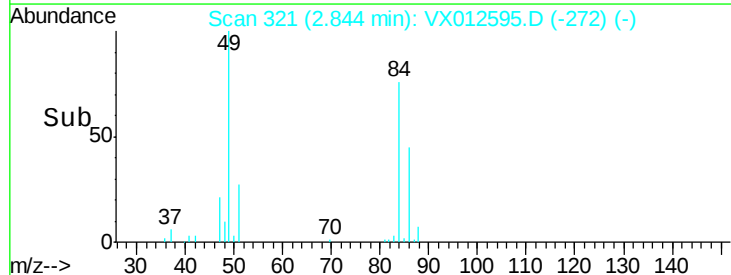
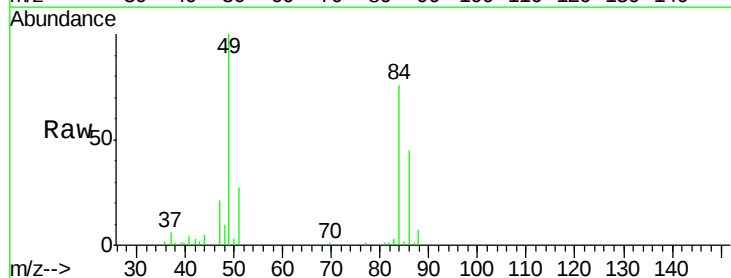
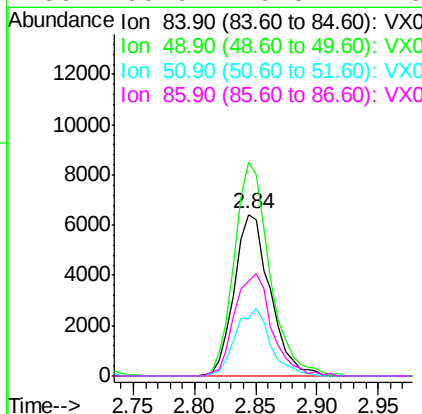
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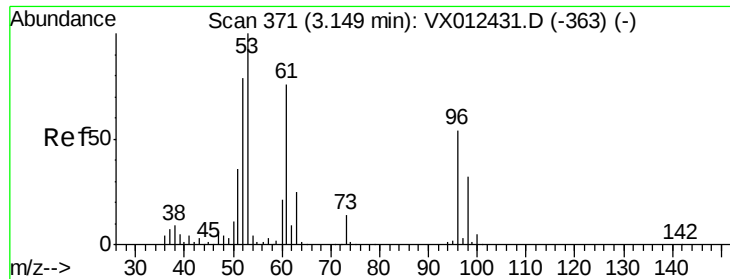


#20

Methylene Chloride
Concen: 6.990 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.0	99.3	148.9
51	35.6	30.4	45.6
86	59.0	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 8.141 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 11965

Ion Ratio Lower Upper

96 100

61 142.6 115.7 173.5

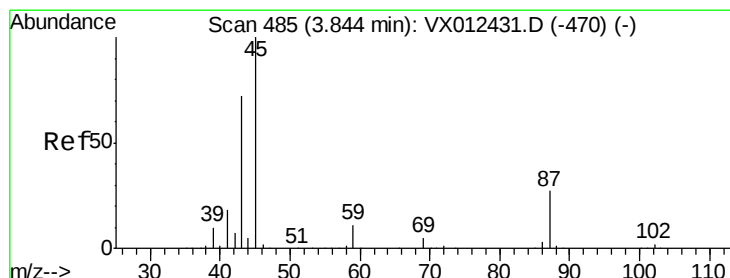
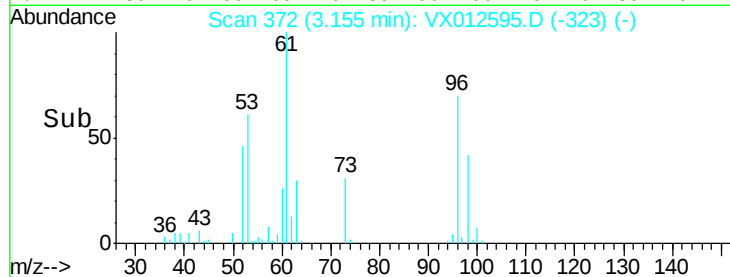
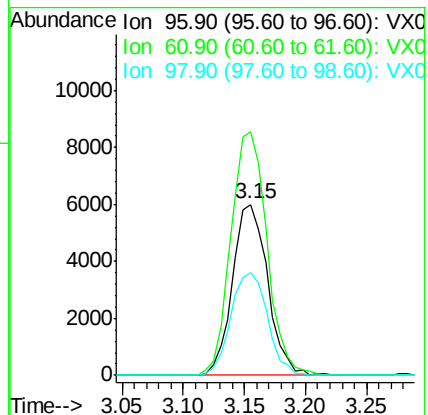
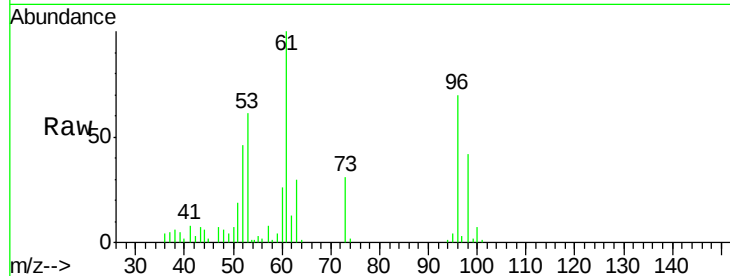
98 60.3 50.6 75.8

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#22

Diisopropyl ether

Concen: 5.762 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 45 Resp: 40691

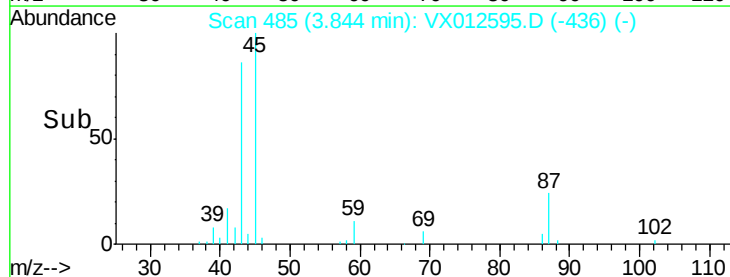
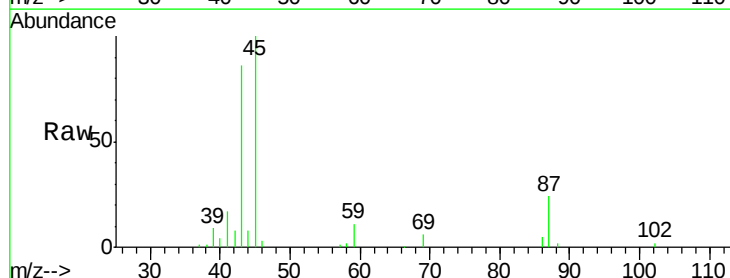
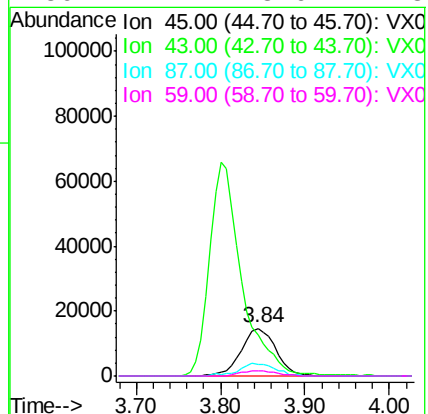
Ion Ratio Lower Upper

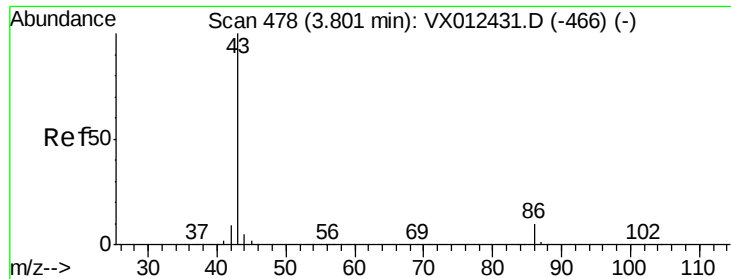
45 100

43 83.6 60.8 91.2

87 24.4 21.9 32.9

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 29.831 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 175132

Ion Ratio Lower Upper

43 100

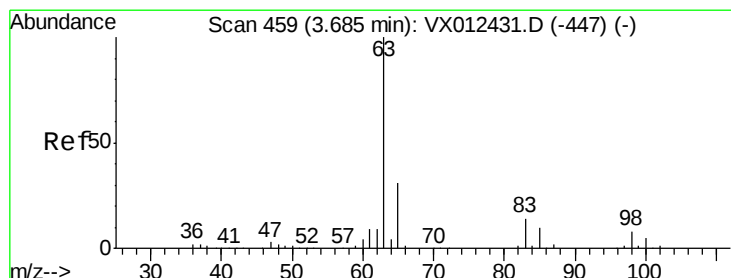
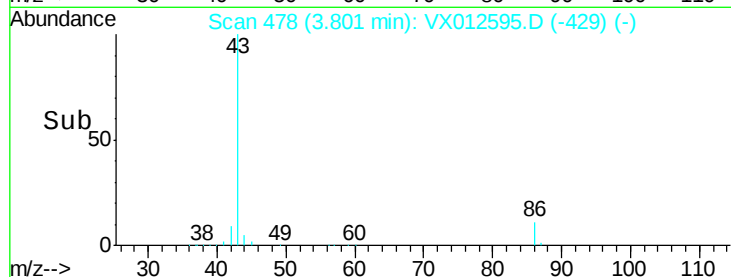
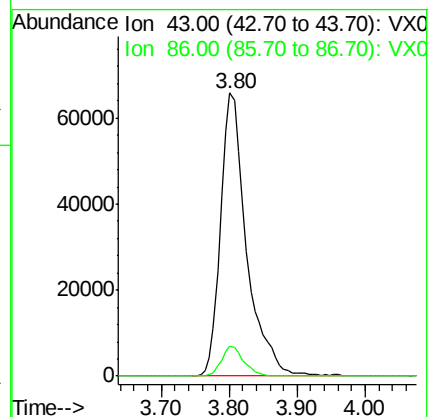
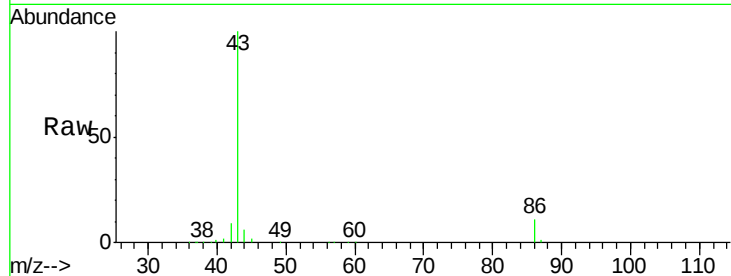
86 10.6 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 6.454 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

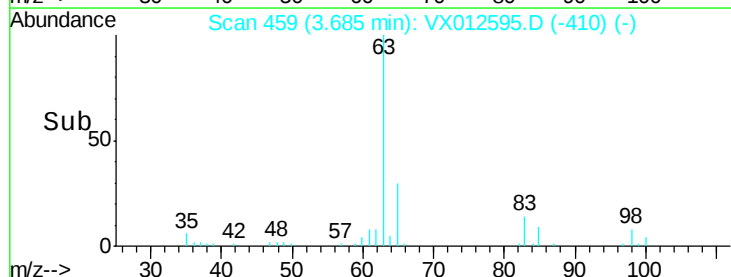
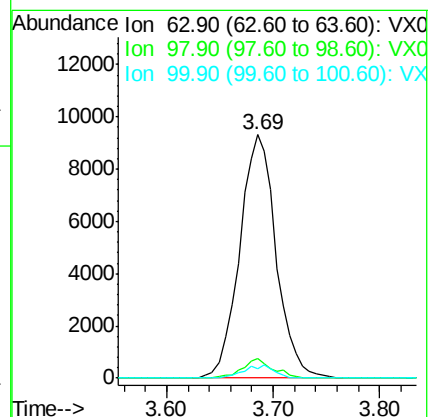
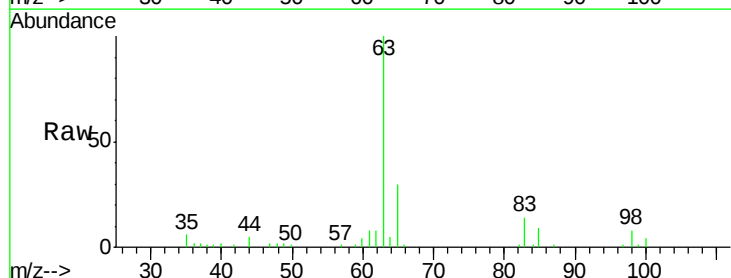
Tgt Ion: 63 Resp: 22323

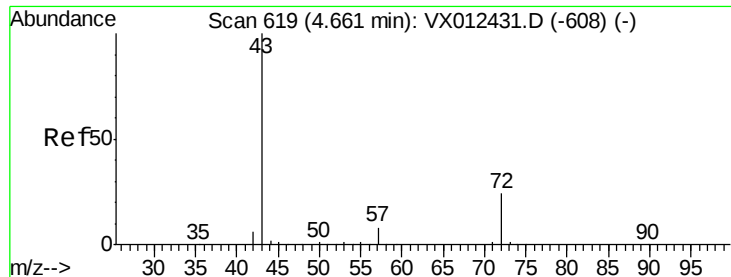
Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.4

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 26.938 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 54665

Ion Ratio Lower Upper

43 100

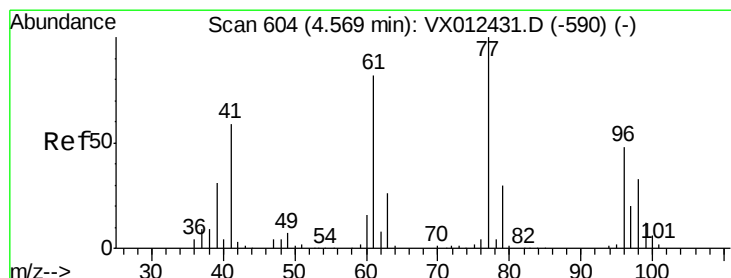
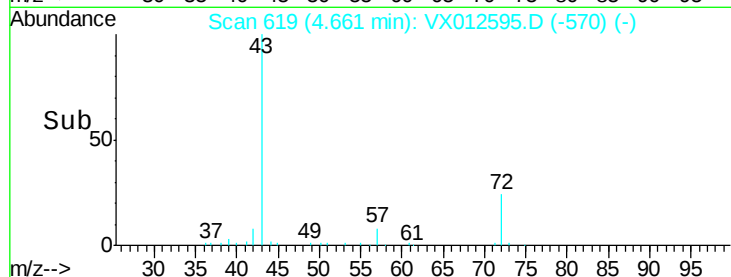
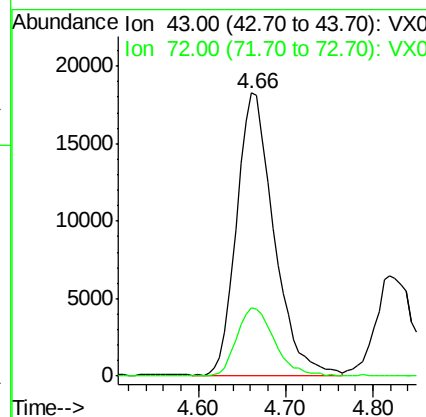
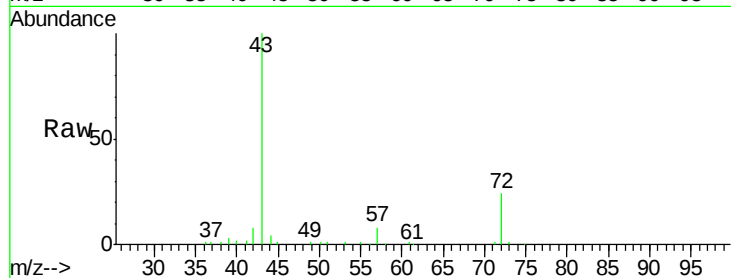
72 24.2 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.777 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX012595.D

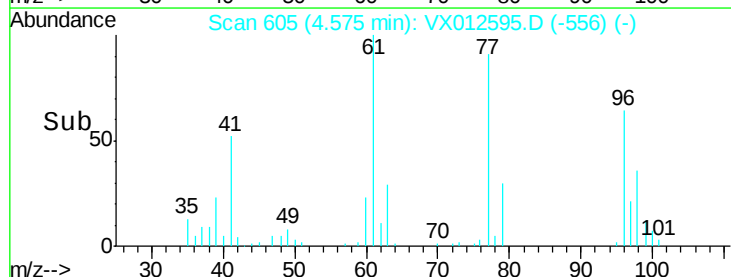
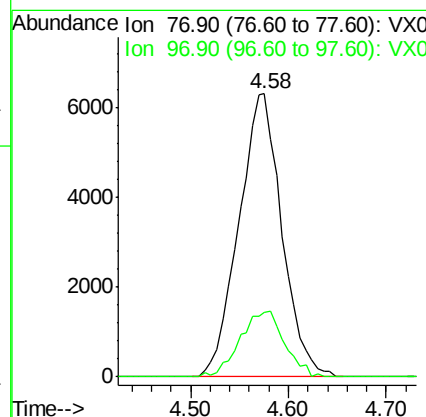
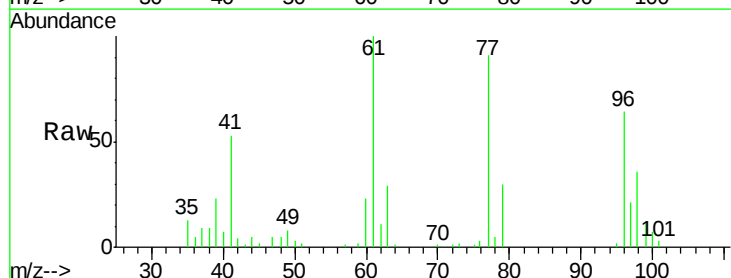
Acq: 23 Sep 2019 10:32

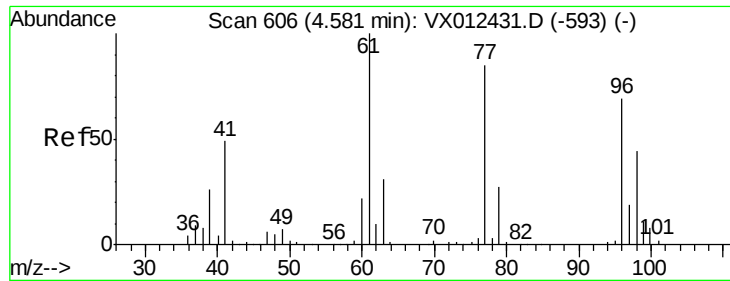
Tgt Ion: 77 Resp: 19295

Ion Ratio Lower Upper

77 100

97 24.0 10.9 32.9





#27

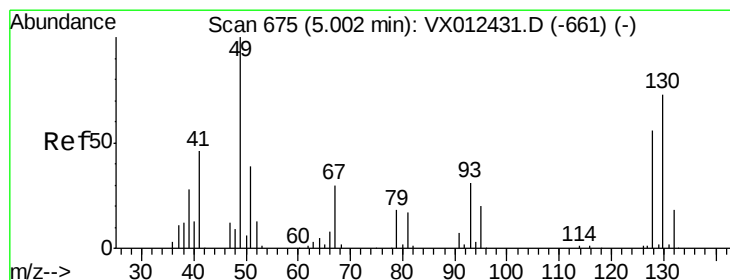
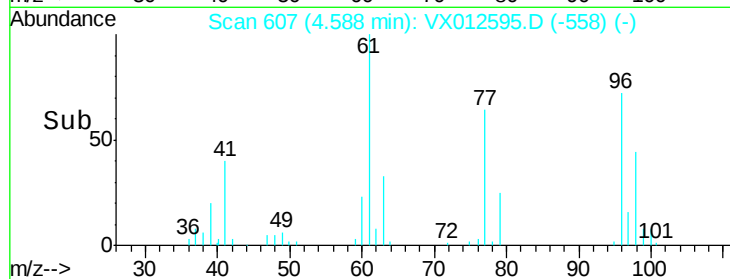
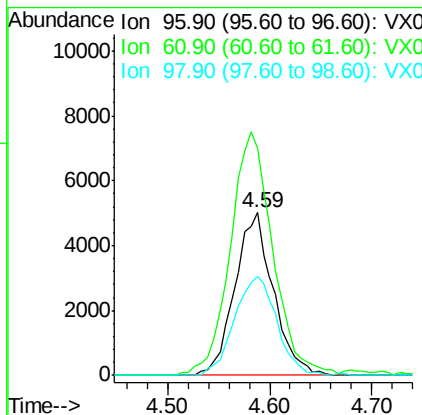
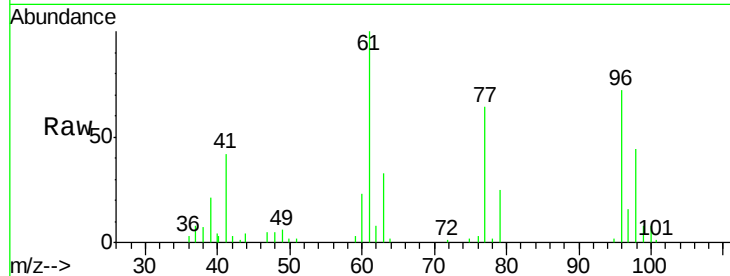
cis-1,2-Dichloroethene
Concen: 6.294 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	303.8
98	67.0	0.0	127.6

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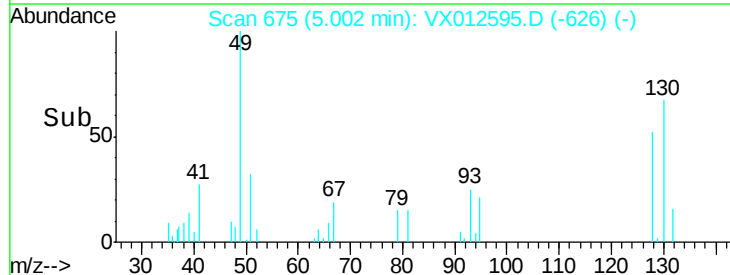
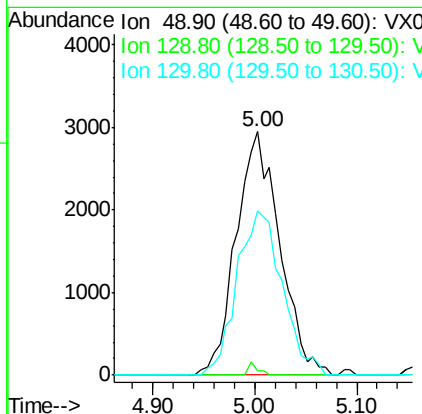
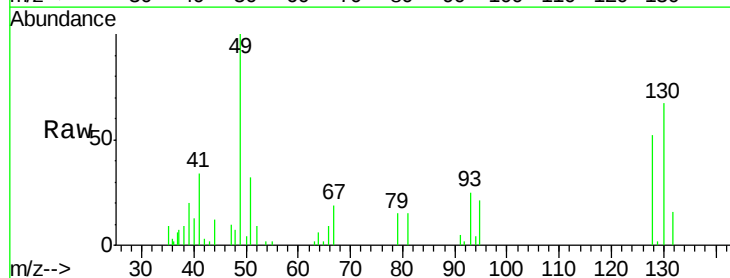
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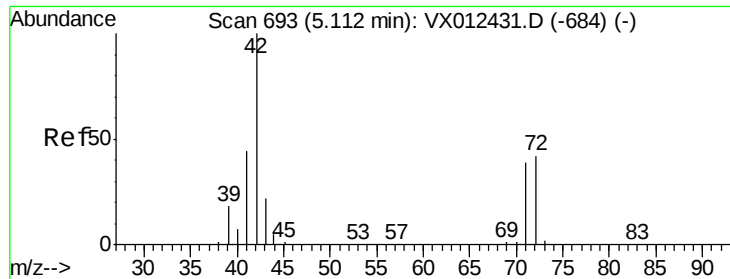


#28

Bromochloromethane
Concen: 5.140 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	70.2	57.0	85.6





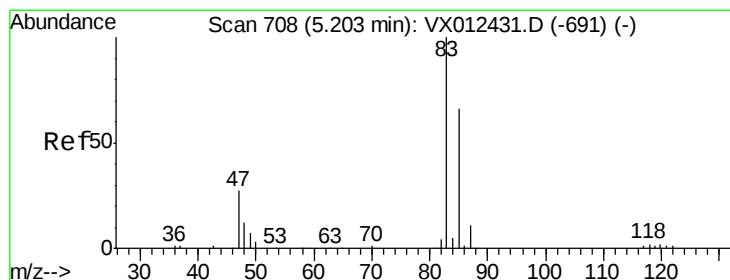
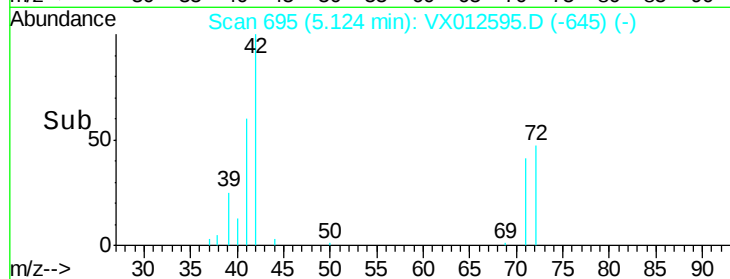
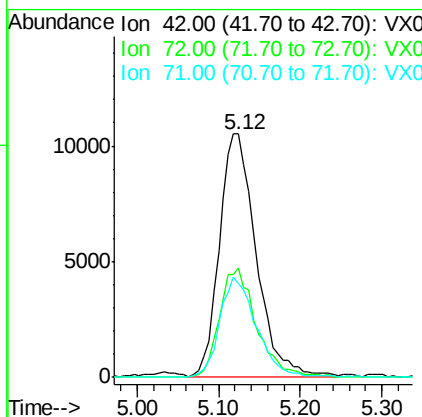
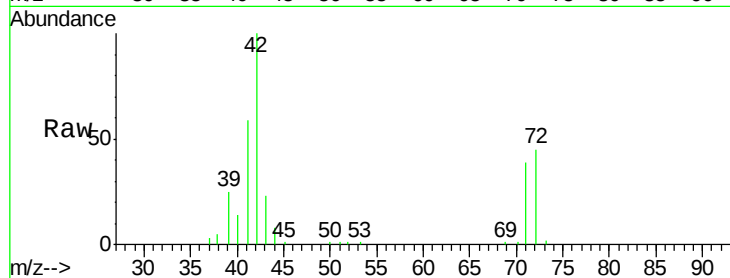
#29
Tetrahydrofuran
Concen: 29.116 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	40.6	32.6	48.8

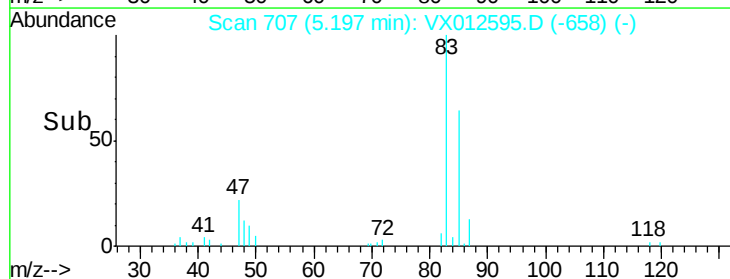
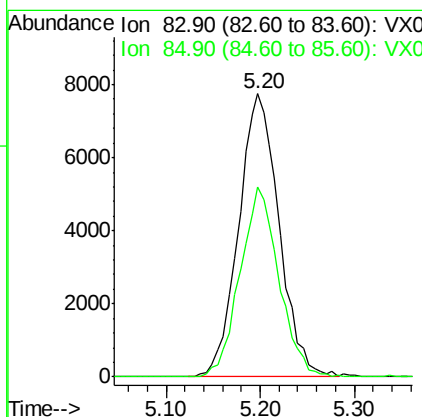
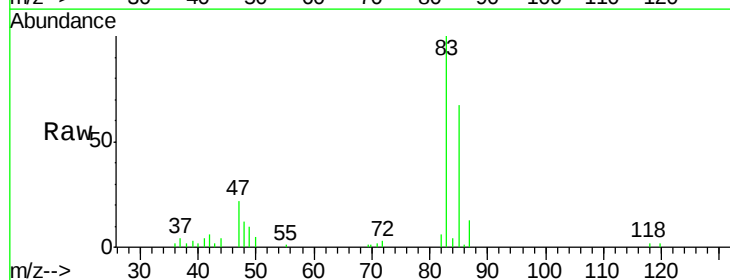
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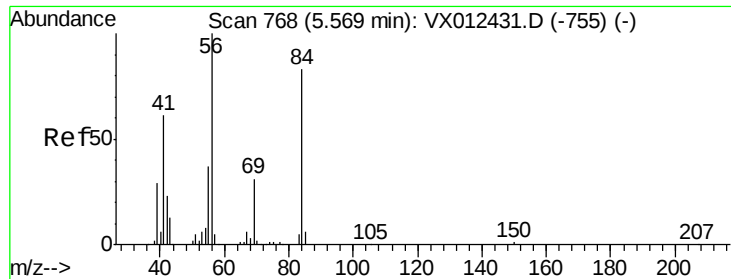
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#30
Chloroform
Concen: 5.971 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.6	78.8





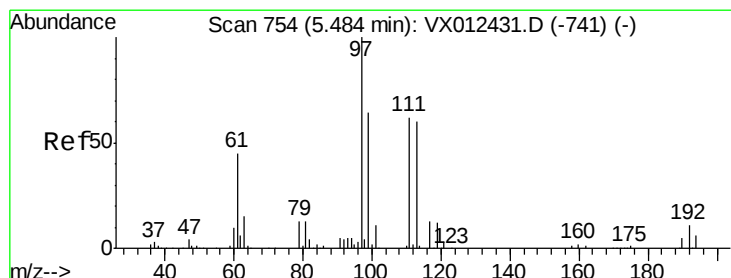
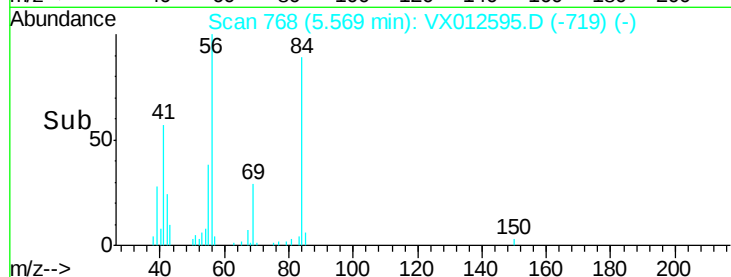
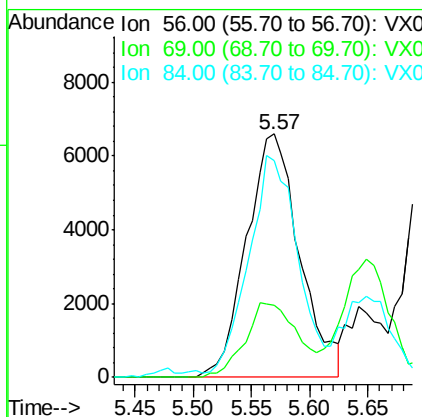
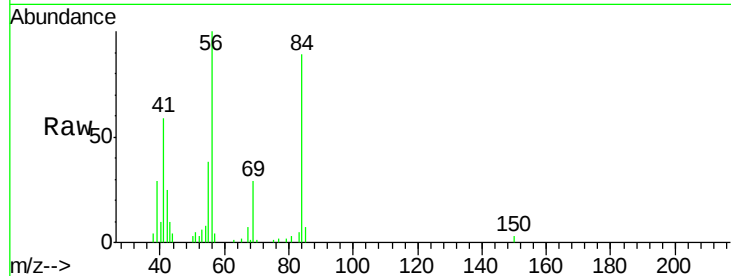
#31
Cyclohexane
Concen: 8.865 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.3	36.5
84	87.1	65.0	97.6

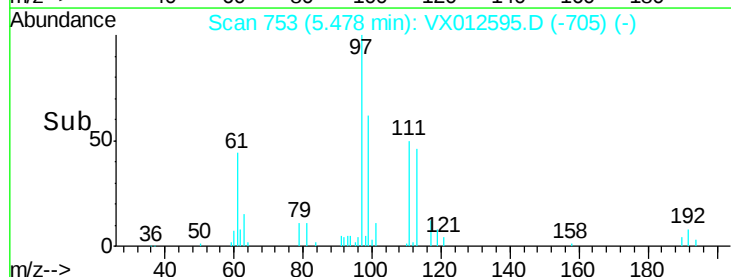
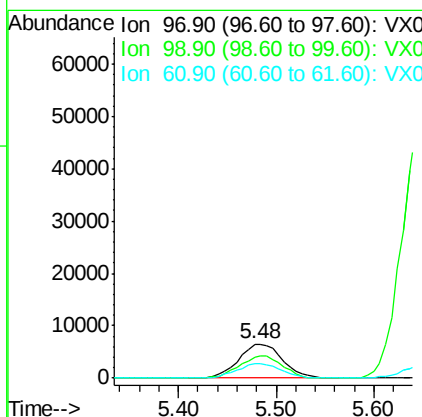
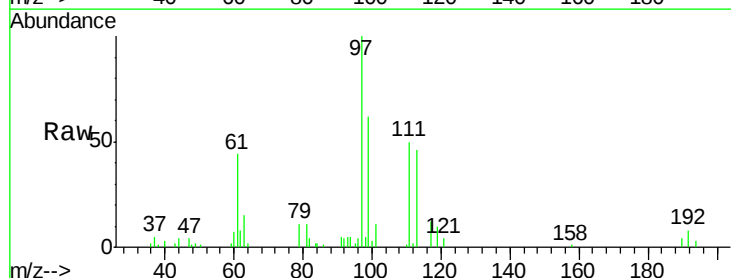
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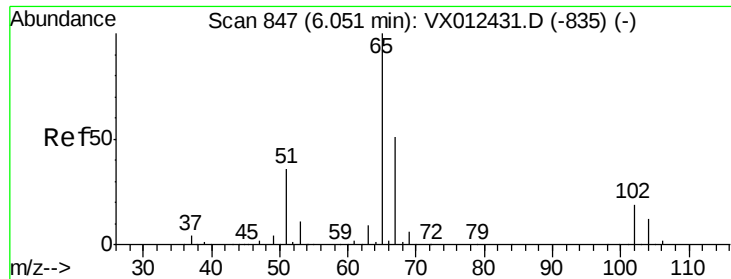
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#32
1,1,1-Trichloroethane
Concen: 6.174 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	42.9	35.5	53.3





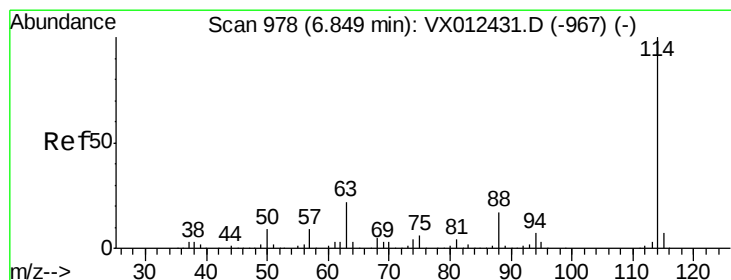
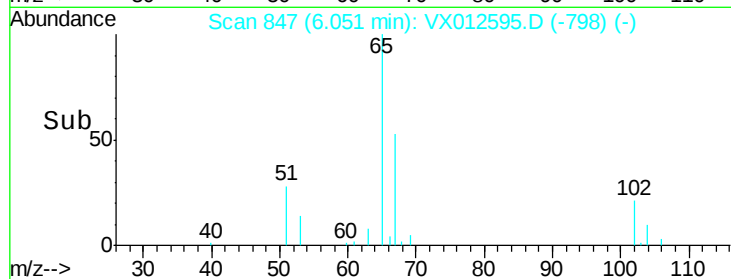
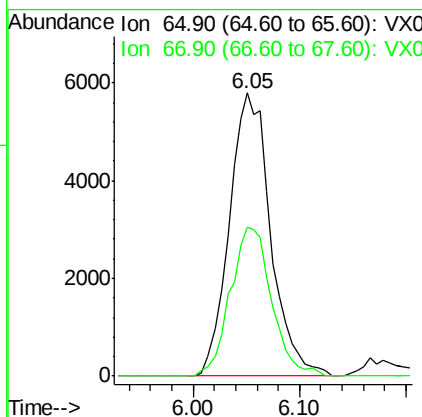
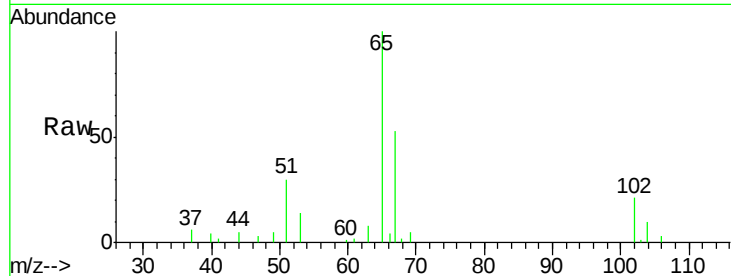
#33
 1,2-Dichloroethane-d4
 Concen: 5.365 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	103.0

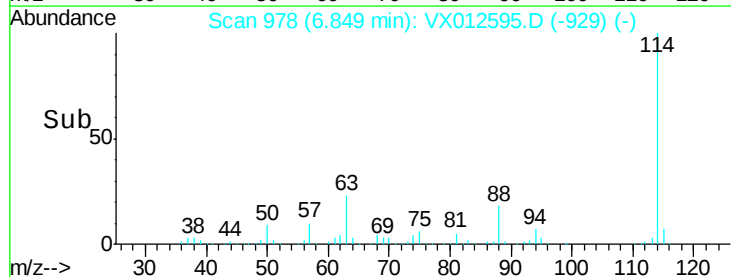
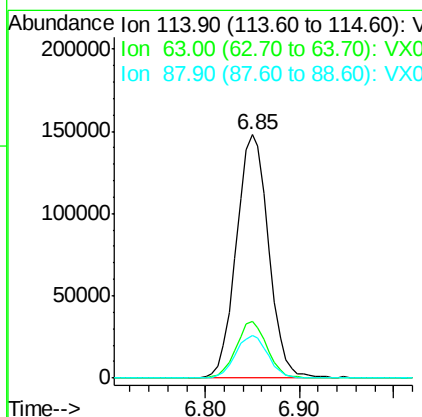
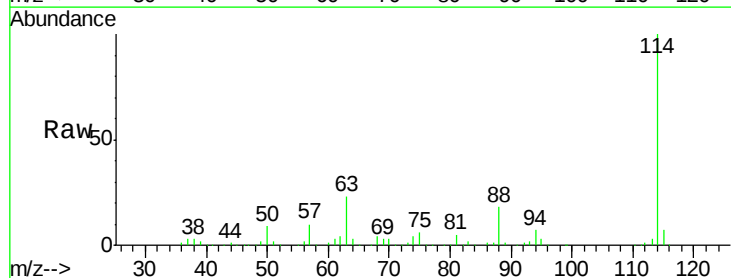
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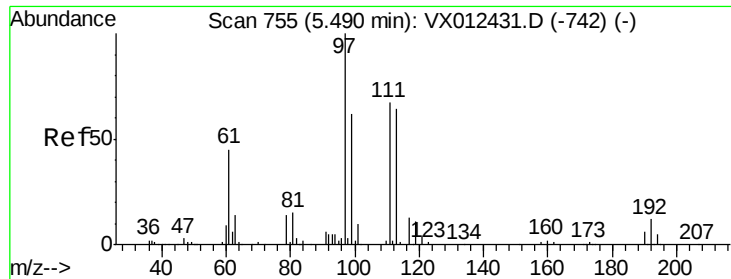
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.4
88	17.8	0.0	33.2





#35

Dibromofluoromethane

Concen: 4.791 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

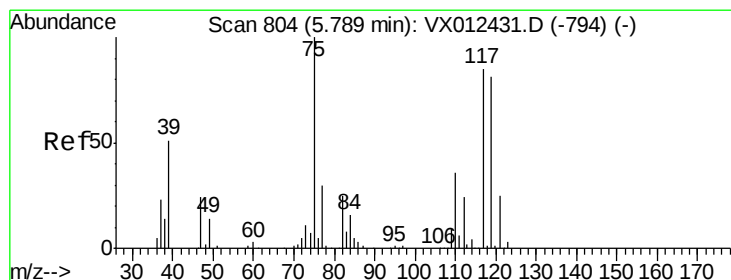
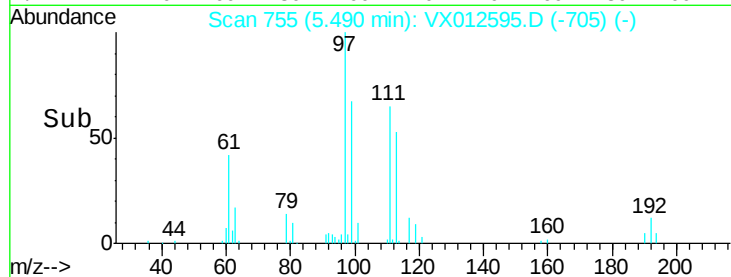
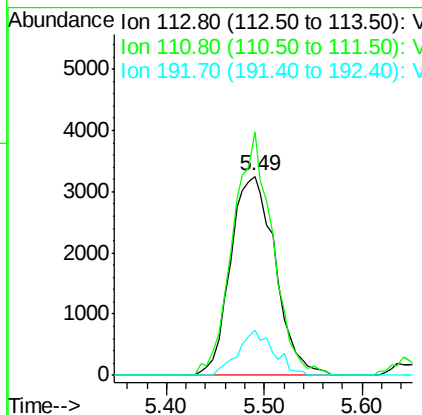
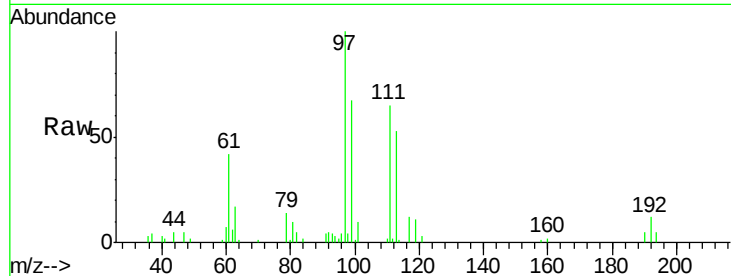
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	10303
Ion	Ratio	Lower	Upper
113	100		
111	108.7	81.8	122.6
192	18.0	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 7.223 ug/l

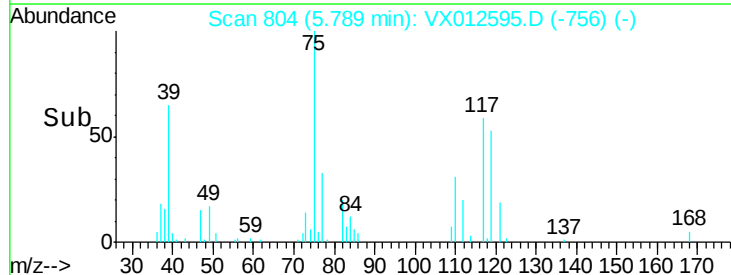
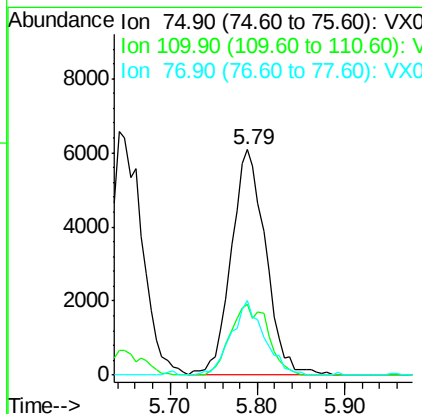
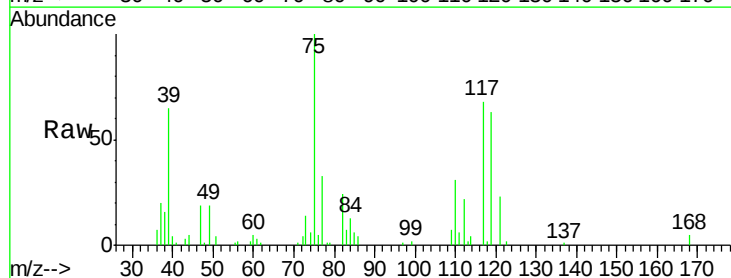
RT: 5.79 min Scan# 804

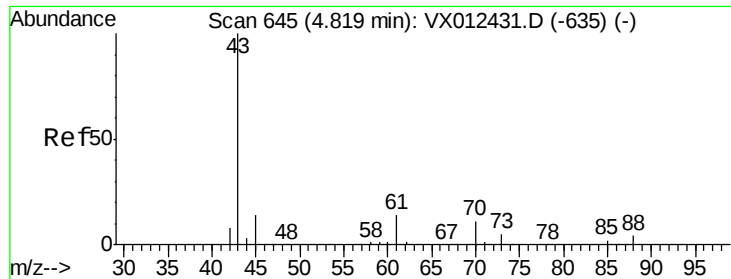
Delta R.T. -0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	75	Resp:	16627
Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.6	52.8
77	31.7	25.1	37.7





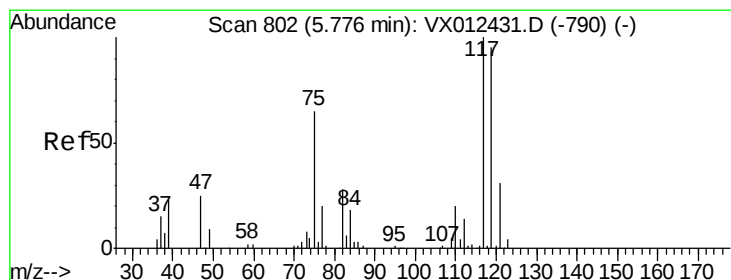
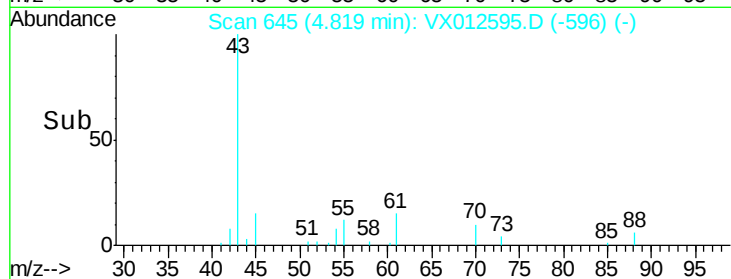
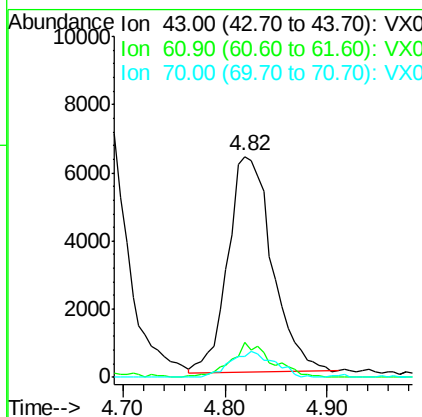
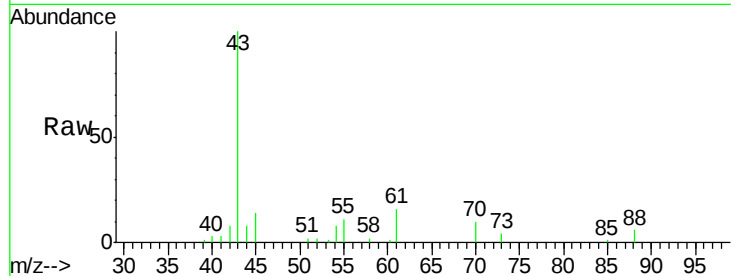
#37
Ethyl Acetate
Concen: 5.728 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.8	16.2
70	11.9	9.0	13.6

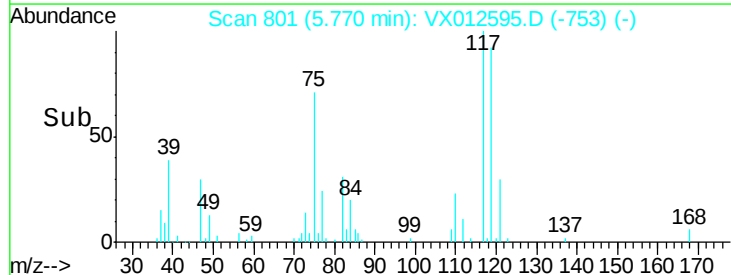
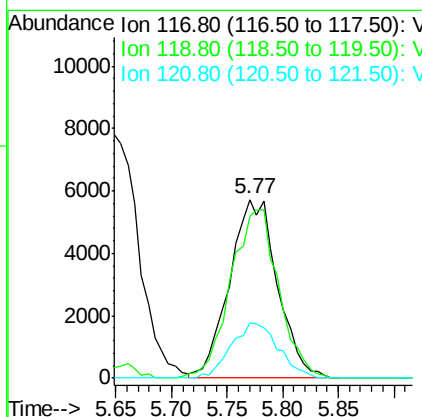
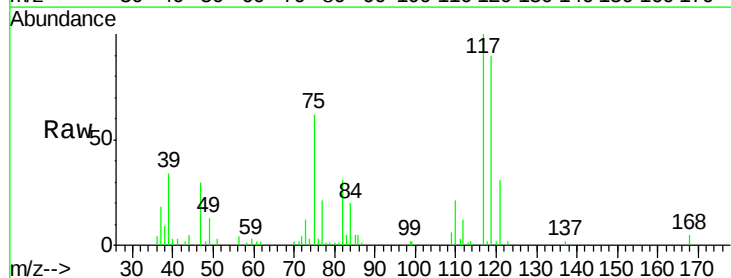
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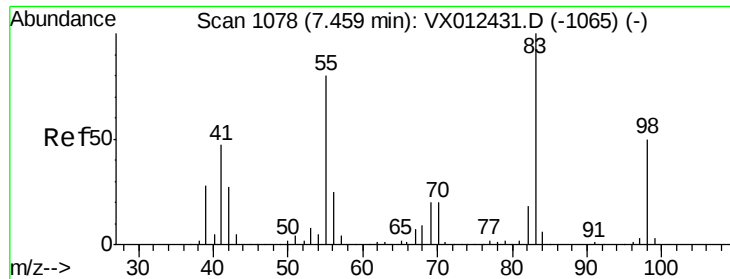
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#38
Carbon Tetrachloride
Concen: 6.188 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.1	115.7
121	31.1	23.7	35.5





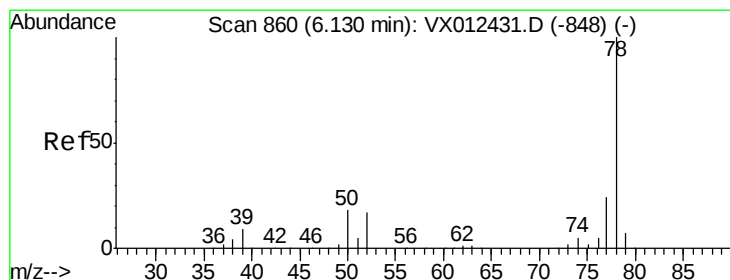
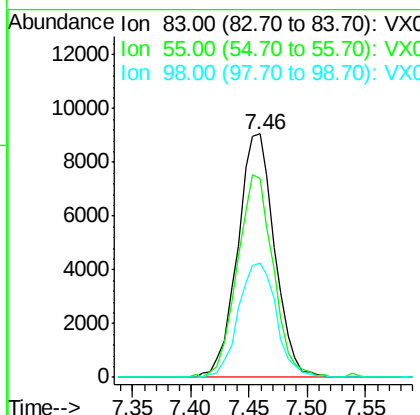
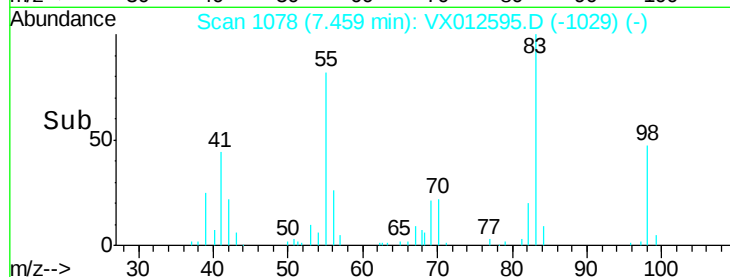
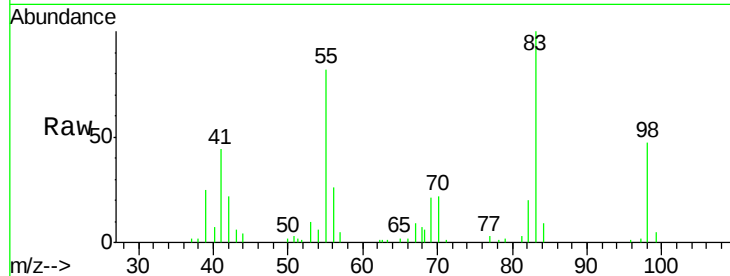
#39
Methvlcvclohexane
Concen: 8.560 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	65.6	98.4
98	46.7	39.4	59.0

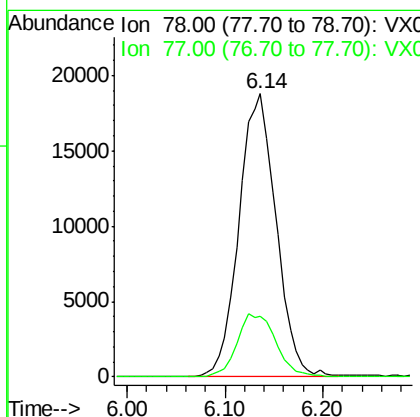
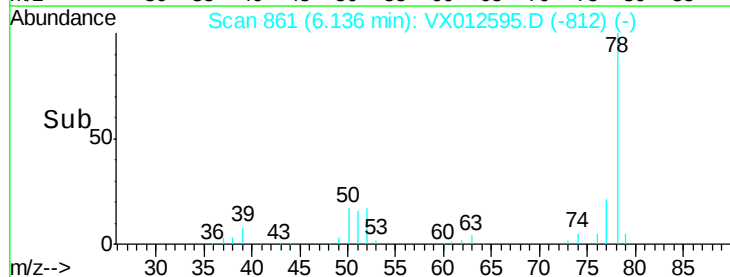
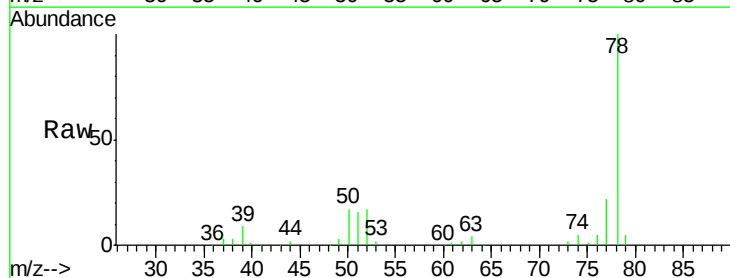
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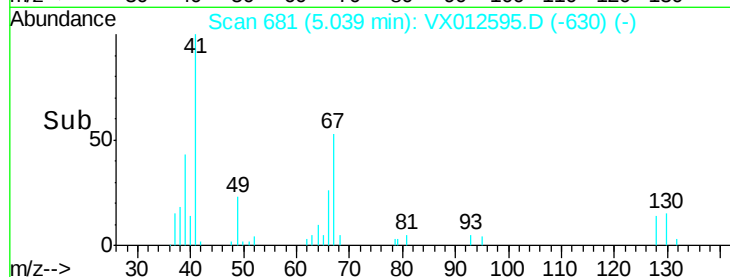
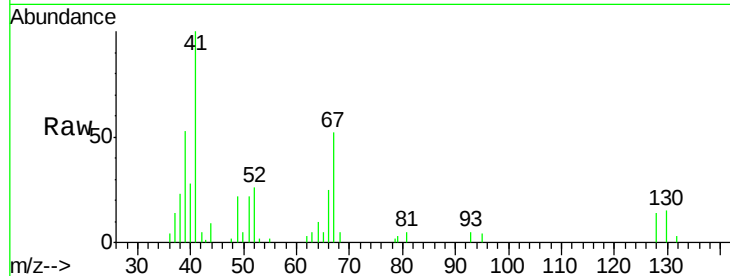
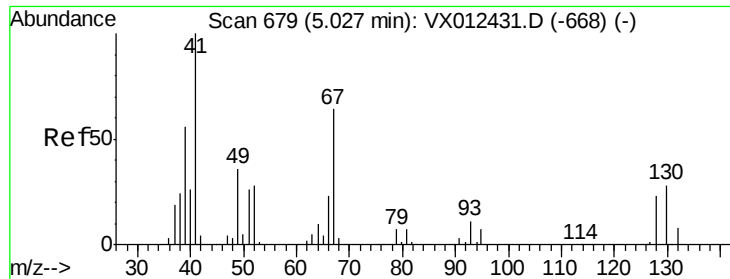
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#40
Benzene
Concen: 6.840 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.6





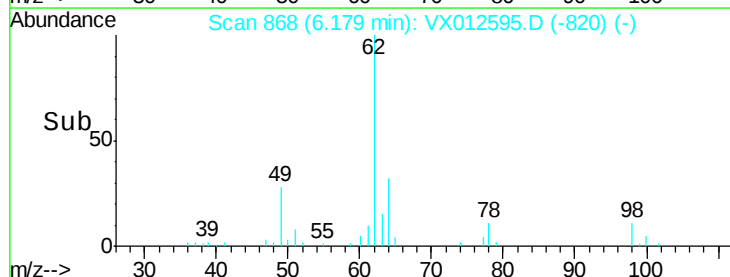
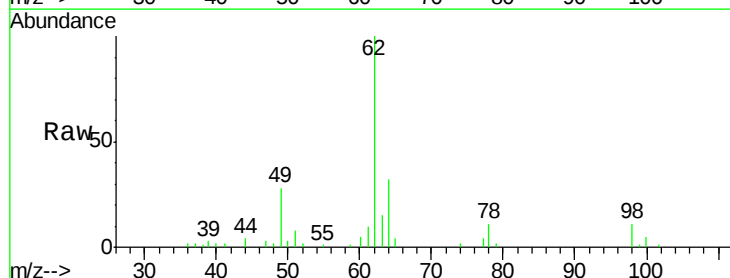
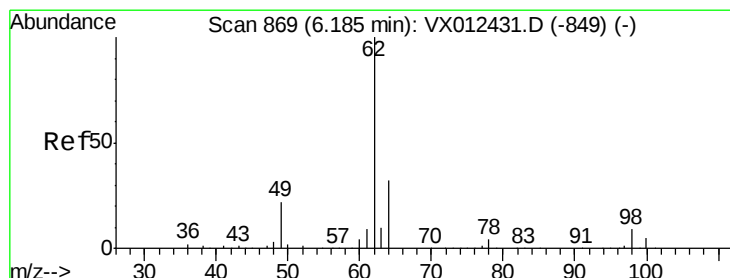
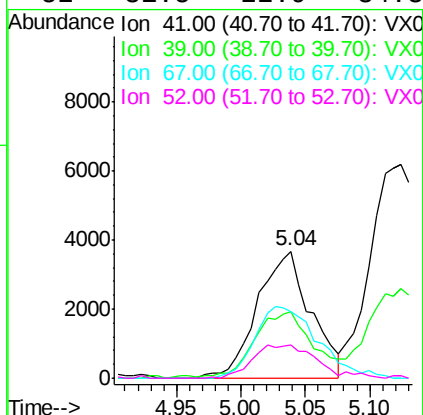
#41
Methacrylonitrile
Concen: 4.970 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	44.2	66.4	
67	66.7	55.2	82.8	
52	31.5	22.9	34.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

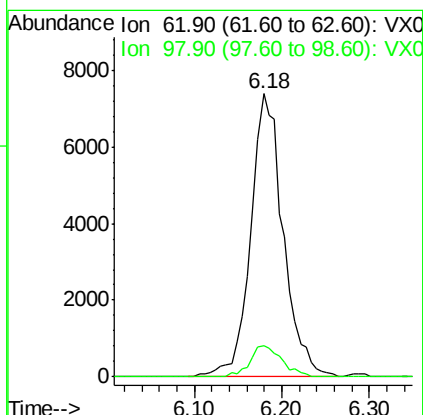
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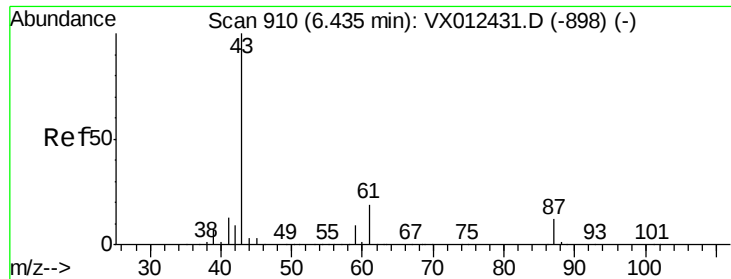
MMDadoda
9/24/2019 10:07:33 AM



#42
1,2-Dichloroethane
Concen: 5.891 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	18.4	





#43

Isopropyl Acetate

Concen: 5.367 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

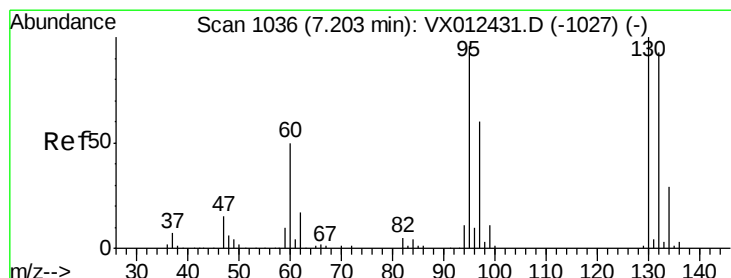
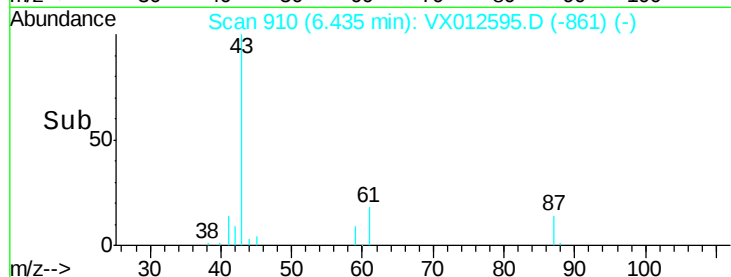
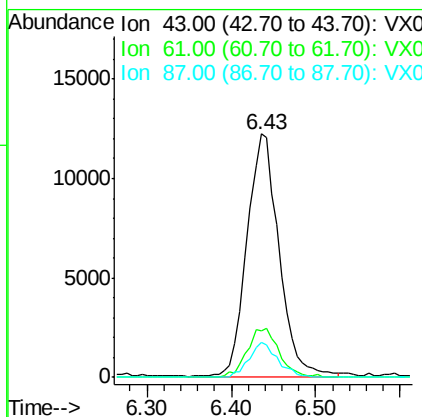
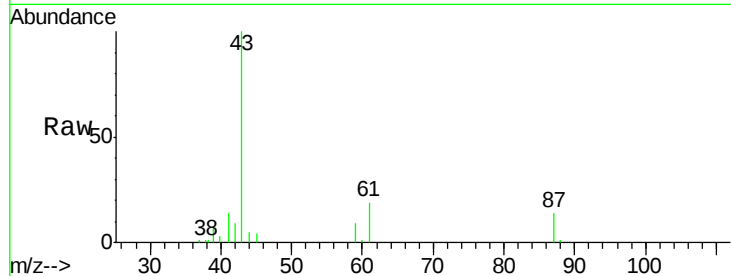
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	31881
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	12.7	10.2	15.4

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#44

Trichloroethene

Concen: 6.807 ug/l

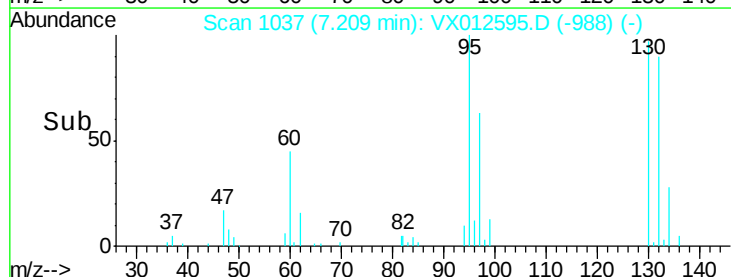
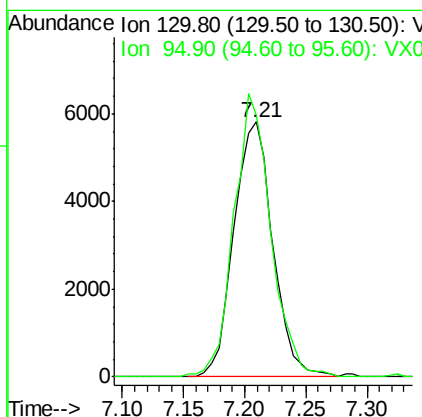
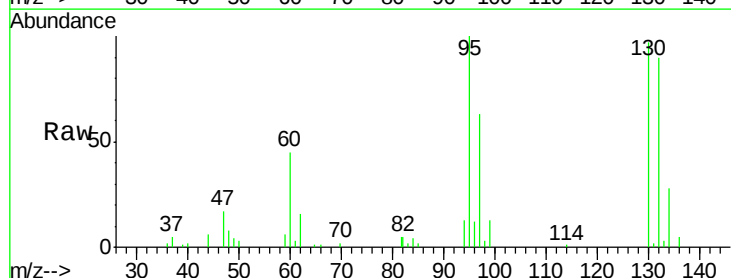
RT: 7.21 min Scan# 1037

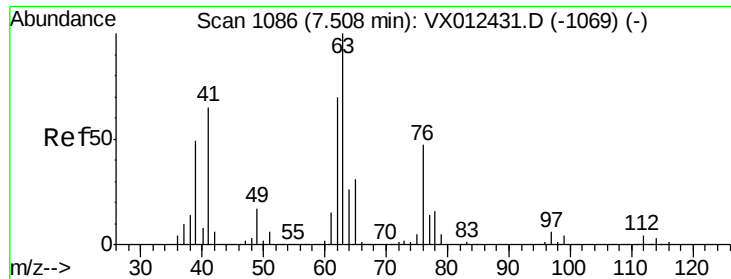
Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	130	Resp:	12809
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	204.8





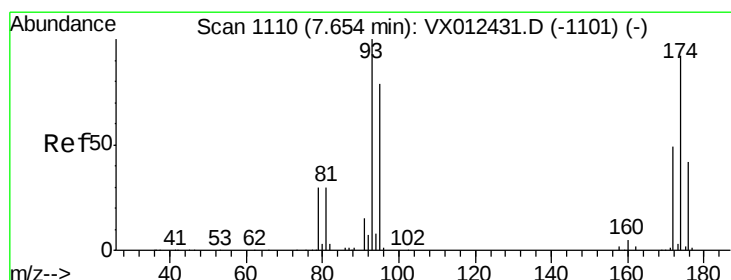
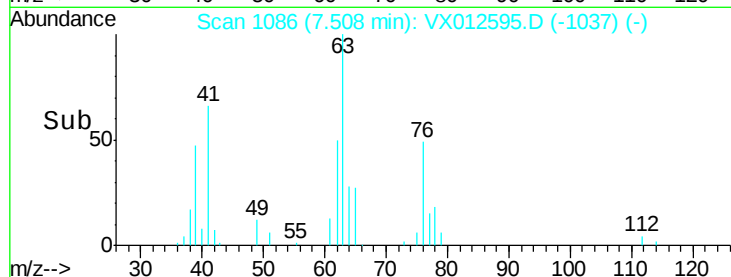
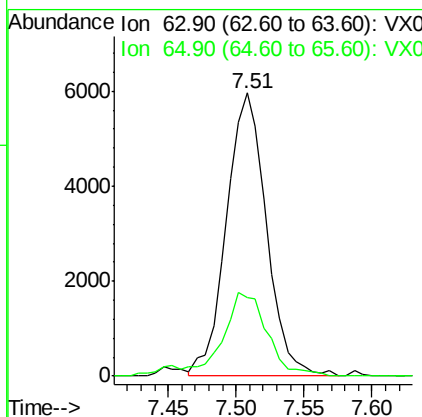
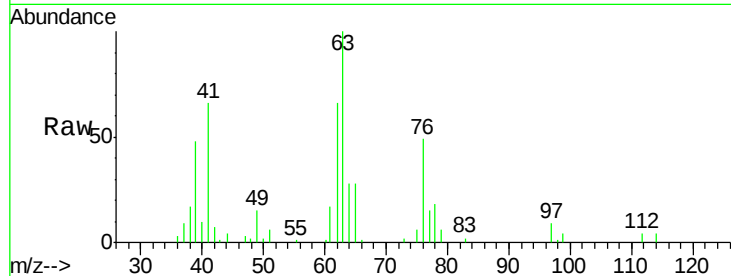
#45
 1,2-Dichloropropane
 Concen: 5.680 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.7	24.3	36.5

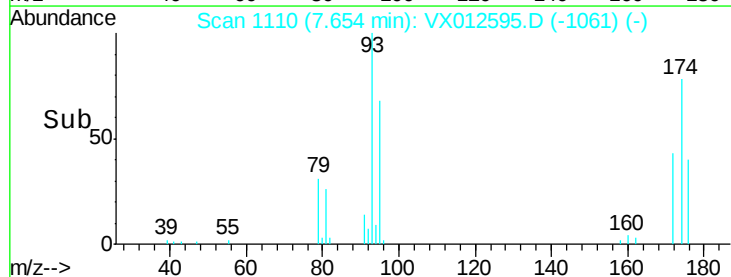
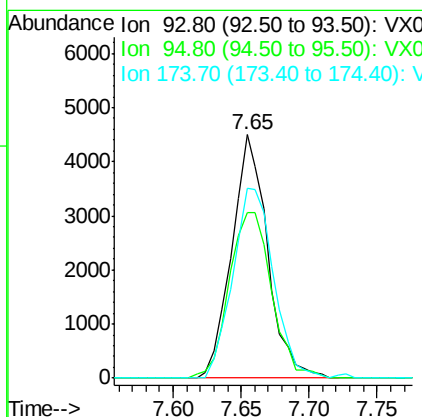
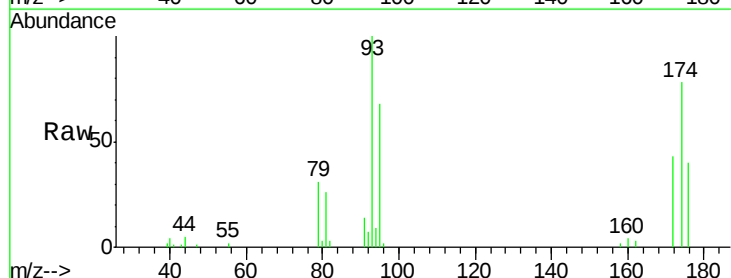
Manual Integrations
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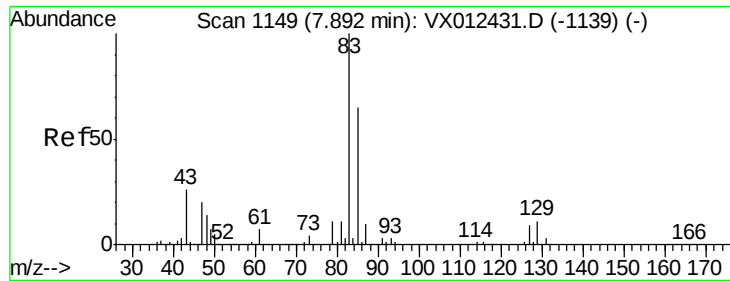
MMDadoda
 9/24/2019 10:07:33 AM



#46
 Dibromomethane
 Concen: 5.880 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	65.4	98.0
174	89.3	72.0	108.0





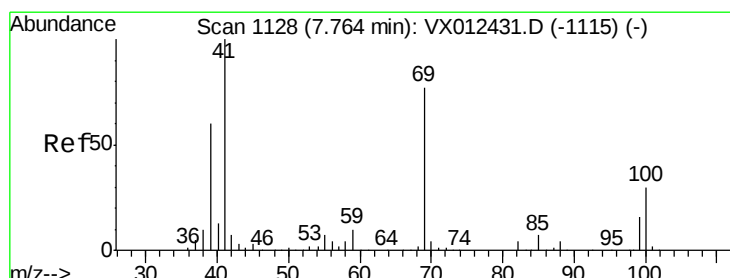
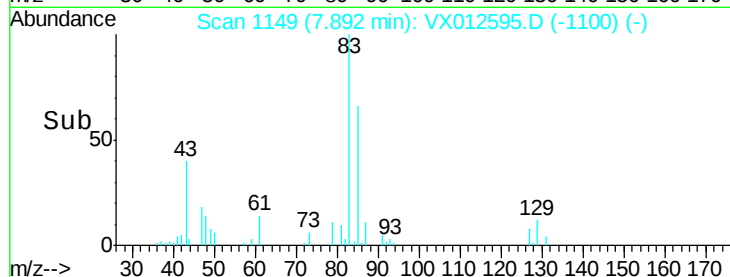
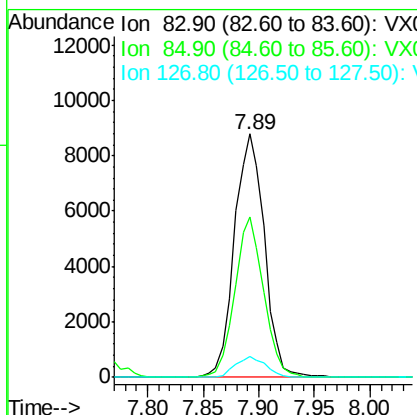
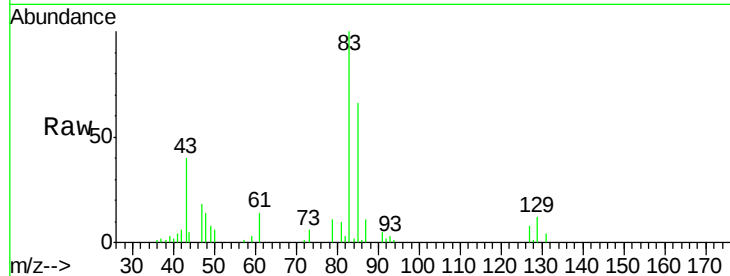
#47
 Bromodichloromethane
 Concen: 5.353 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	16369
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.8	77.6
127	8.3	6.2	9.4

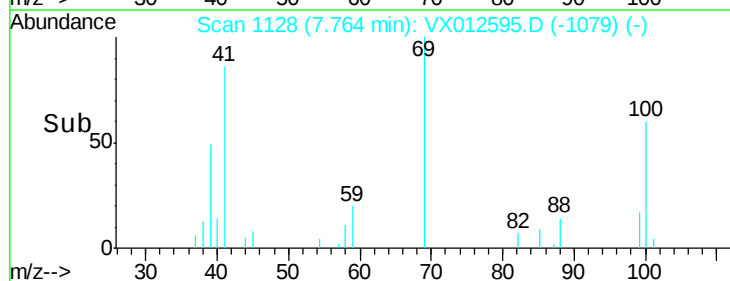
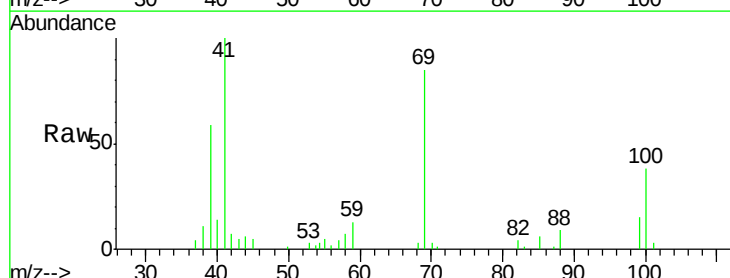
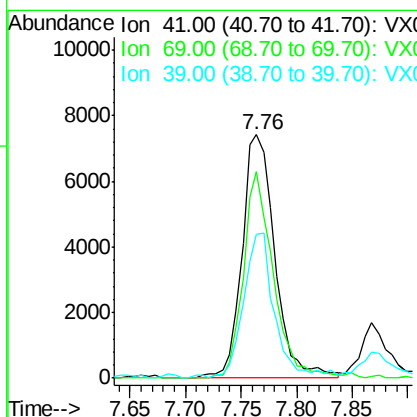
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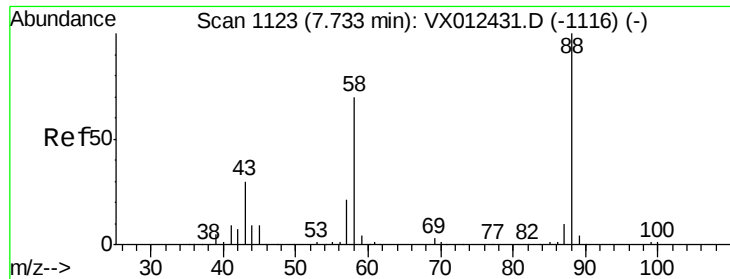
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 9/24/2019 10:07:33 AM



#48
 Methyl methacrylate
 Concen: 5.415 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	41	Resp	15255
Ion Ratio	Lower	Upper	
41	100		
69	77.0	62.6	93.8
39	55.9	44.4	66.6





#49

1,4-Dioxane

Concen: 105.084 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

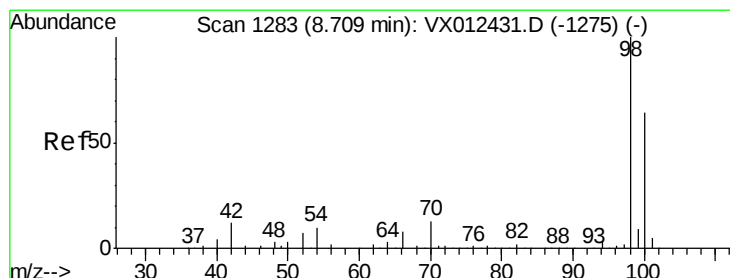
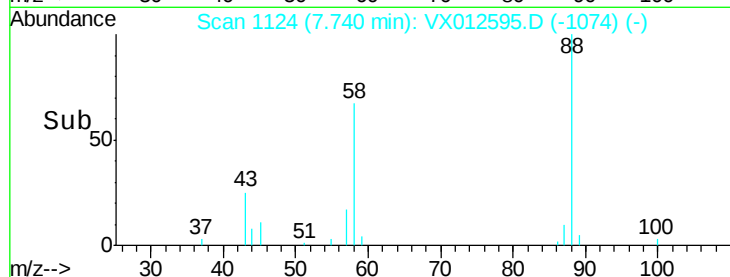
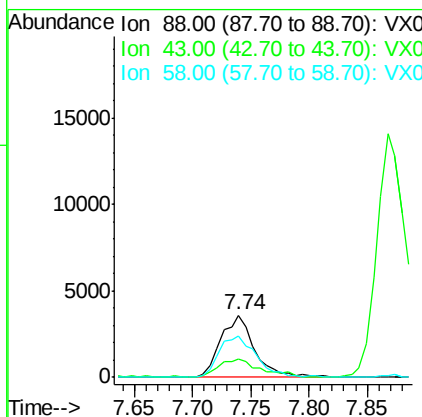
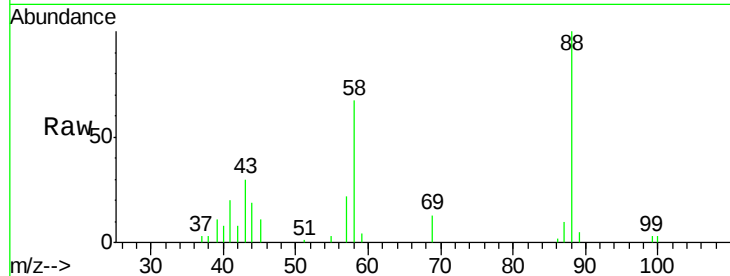
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	7182
Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.6	41.4
58	73.2	57.1	85.7

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#50

Toluene-d8

Concen: 5.298 ug/l

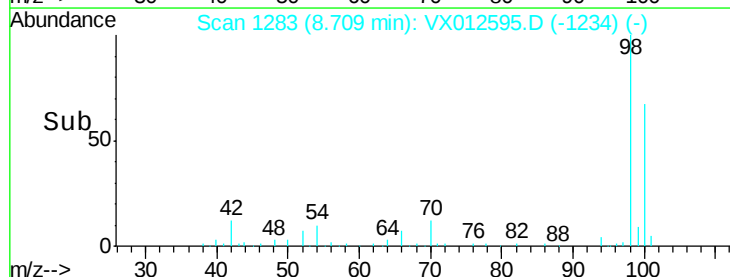
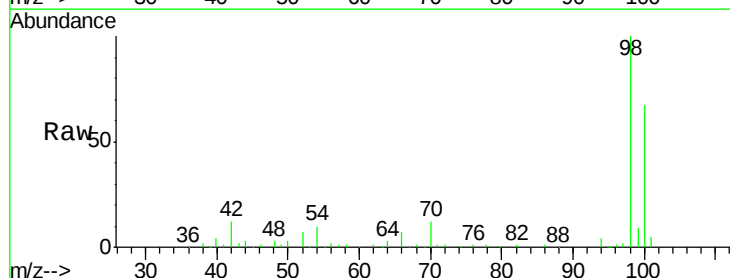
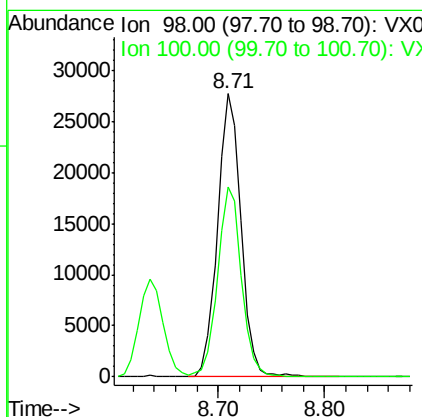
RT: 8.71 min Scan# 1283

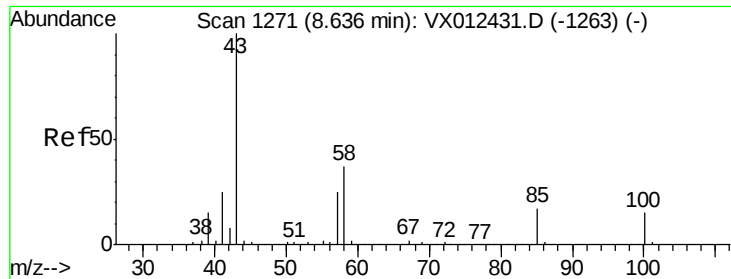
Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	98	Resp:	42410
Ion	Ratio	Lower	Upper
98	100		
100	68.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 25.835 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 99746

Ion Ratio Lower Upper

43 100

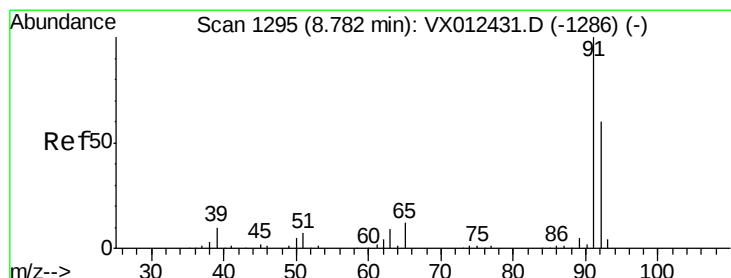
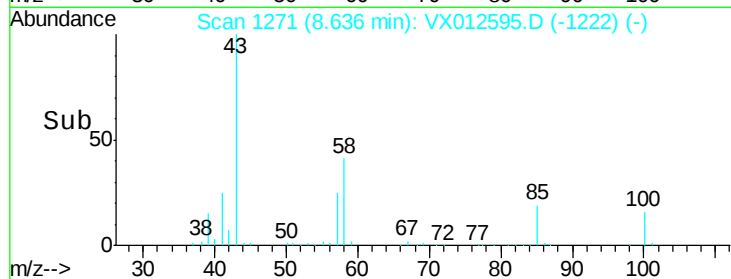
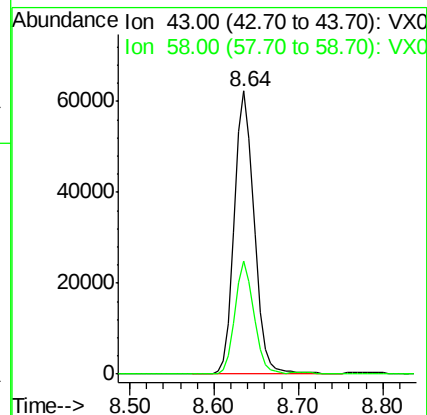
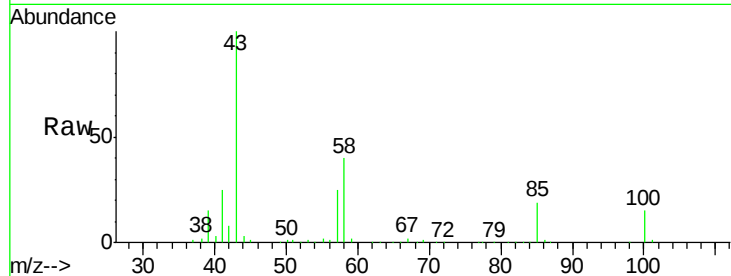
58 37.8 31.4 47.0

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#52

Toluene

Concen: 6.660 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012595.D

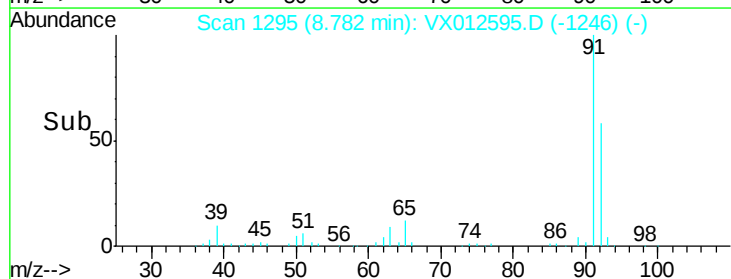
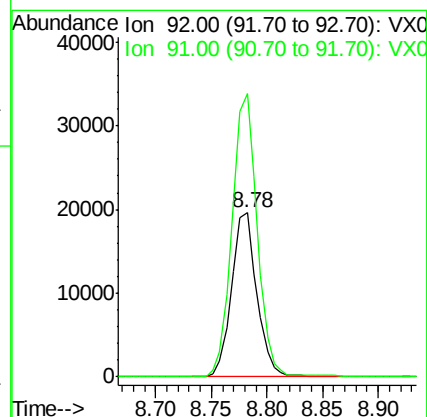
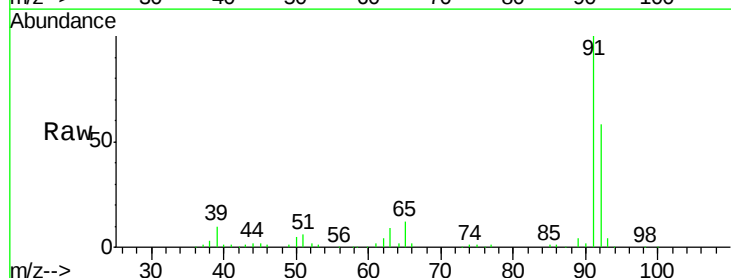
Acq: 23 Sep 2019 10:32

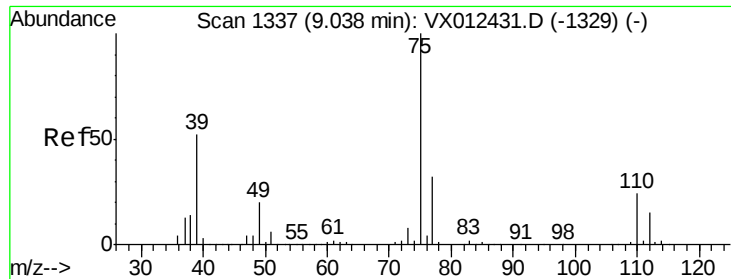
Tgt Ion: 92 Resp: 30867

Ion Ratio Lower Upper

92 100

91 170.7 134.2 201.4





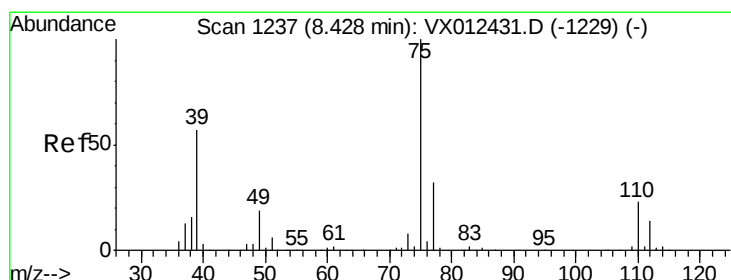
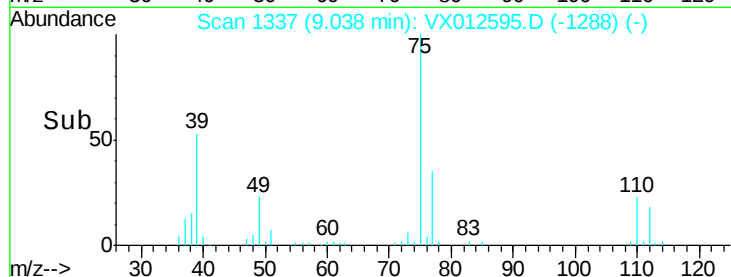
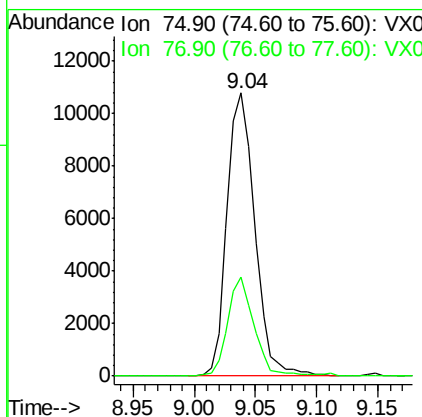
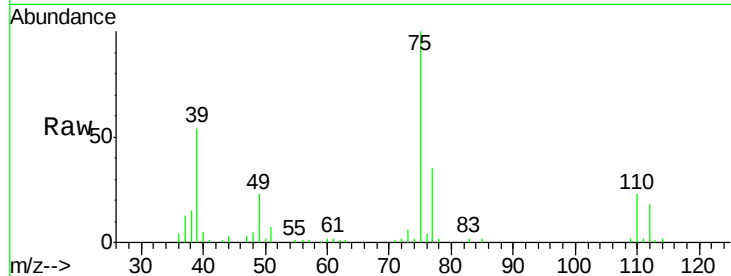
#53
 t-1,3-Dichloropropene
 Concen: 5.286 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16971
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.9 37.3

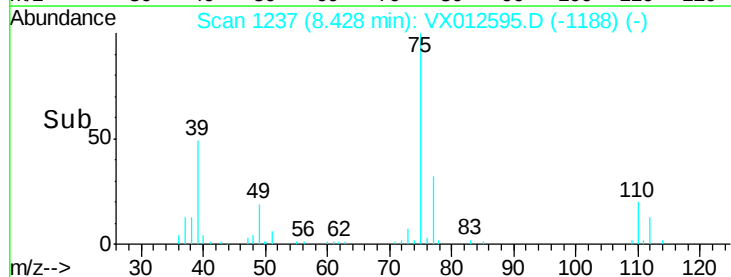
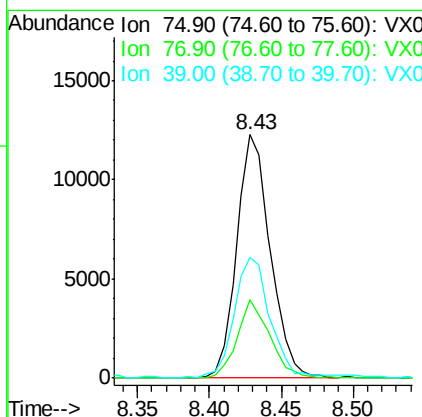
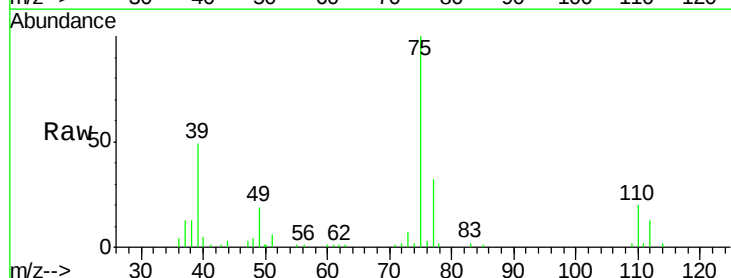
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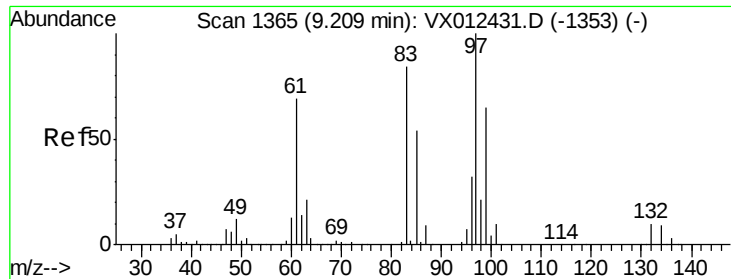
MMDadoda
 9/24/2019 10:07:33 AM



#54
 cis-1,3-Dichloropropene
 Concen: 5.914 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 75 Resp: 19846
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3
 39 48.9 40.7 61.1





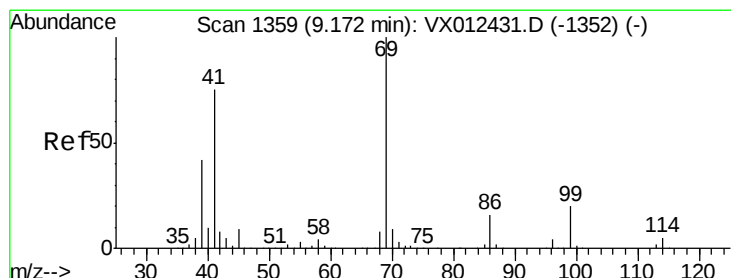
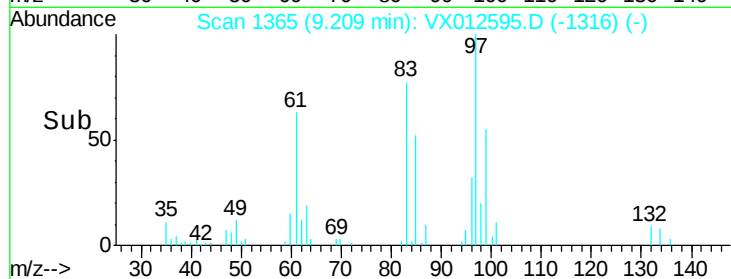
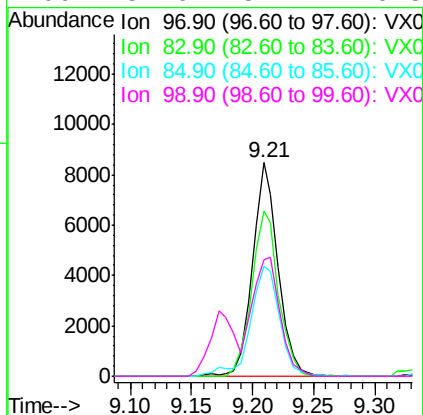
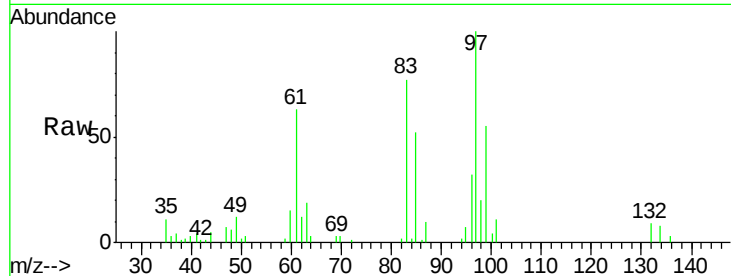
#55
 1,1,2-Trichloroethane
 Concen: 5.407 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12345
Ion	Ratio	Lower	Upper
97	100		
83	77.4	70.5	105.7
85	51.8	43.9	65.9
99	54.6	51.2	76.8

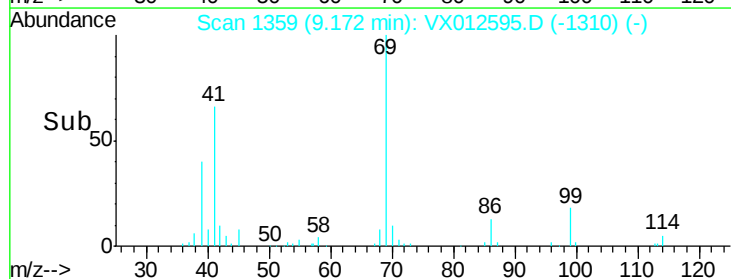
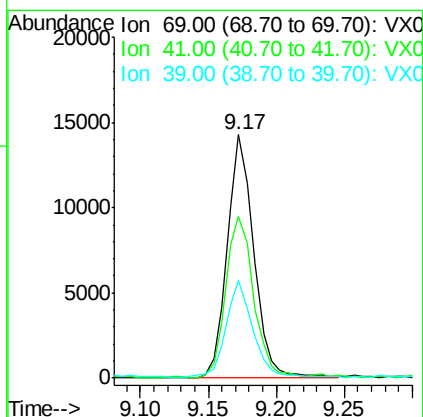
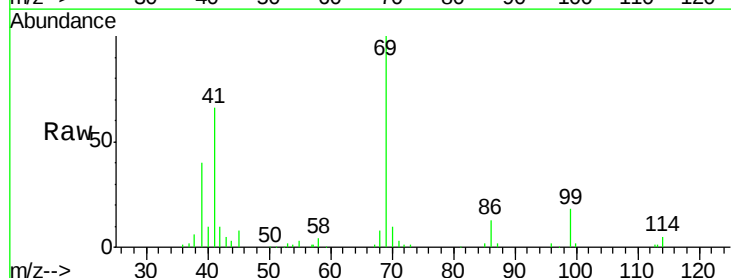
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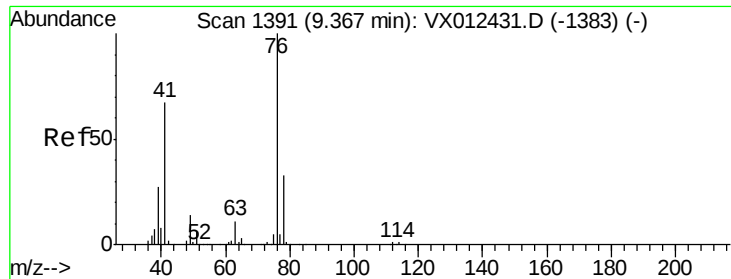
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 9/24/2019 10:07:33 AM



#56
 Ethyl methacrylate
 Concen: 5.393 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion:	69	Resp:	19475
Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.7	82.1
39	41.7	30.6	46.0





#57

1,3-Dichloropropane

Concen: 5.781 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 21297

Ion Ratio Lower Upper

76 100

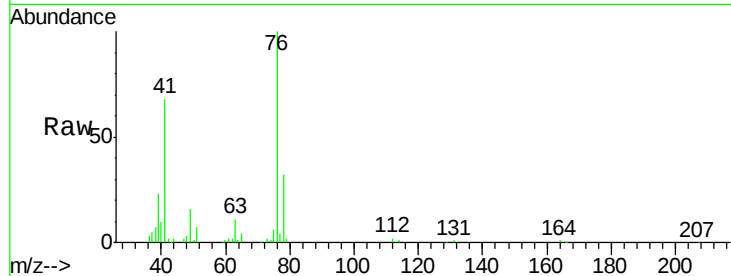
78 33.8 26.0 39.0

Manual Integrations

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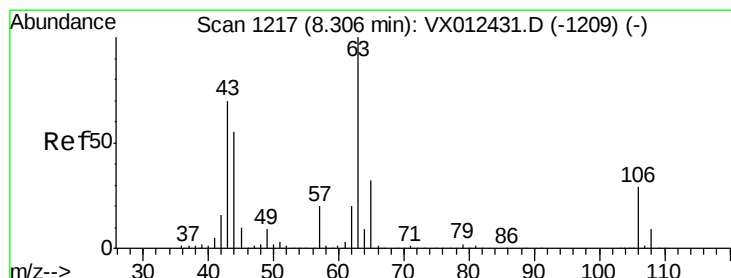
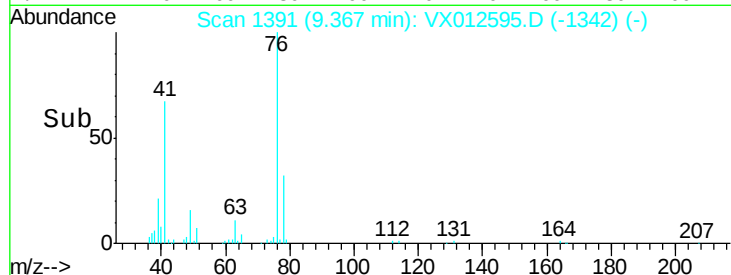
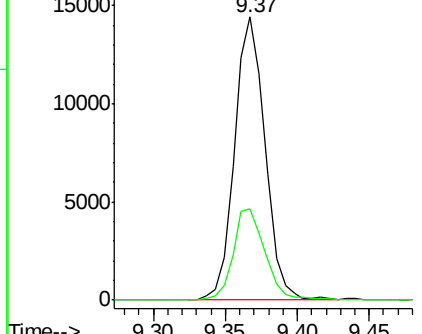
MMDadoda

9/24/2019 10:07:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 24.292 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012595.D

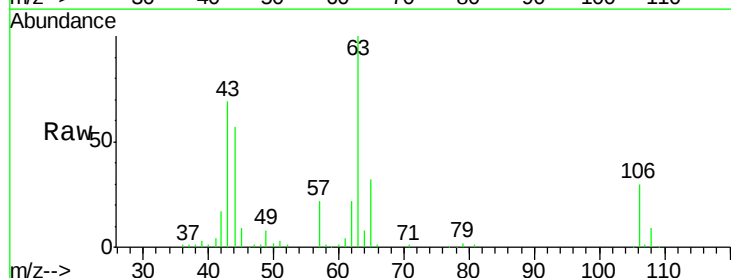
Acq: 23 Sep 2019 10:32

Tgt Ion: 63 Resp: 44877

Ion Ratio Lower Upper

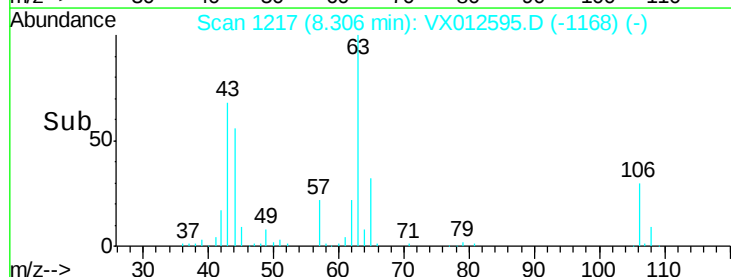
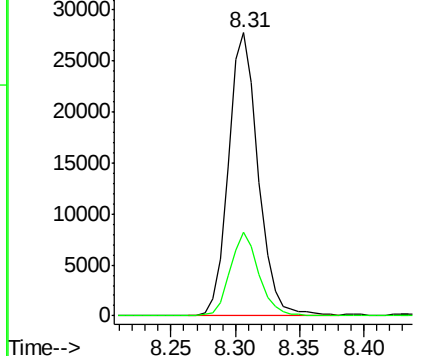
63 100

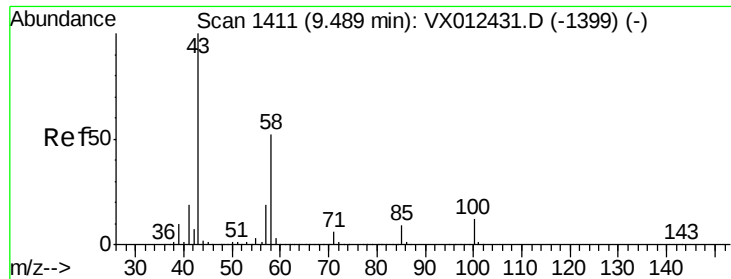
106 28.4 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





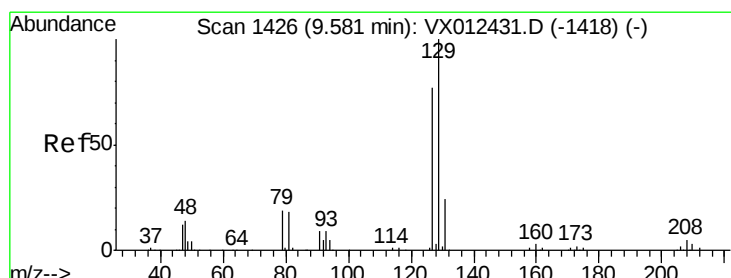
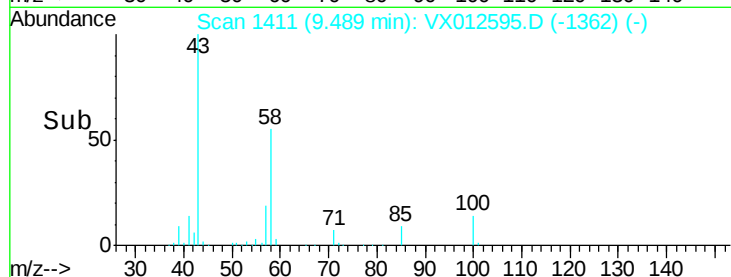
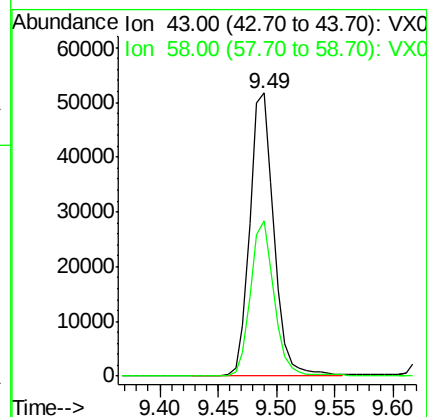
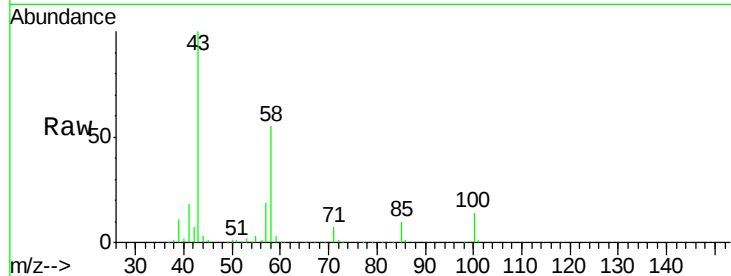
#59
2-Hexanone
Concen: 24.866 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 74987
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4

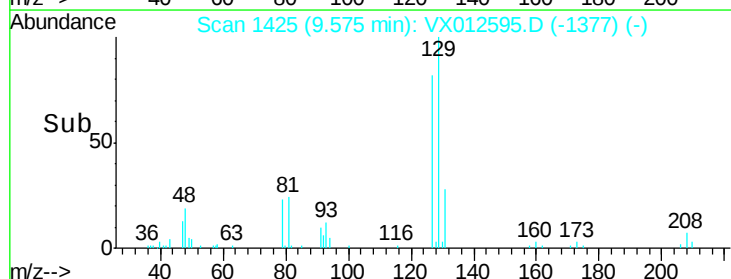
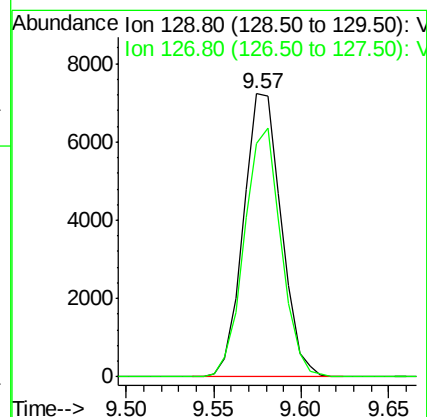
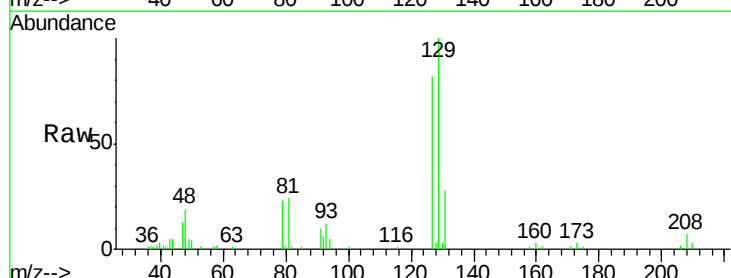
Manual Integrations
APPROVED

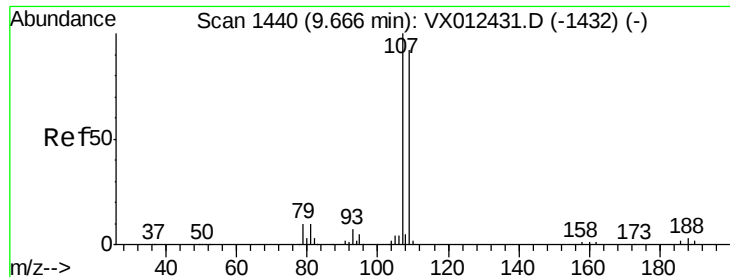
MMDadoda
9/24/2019 10:07:33 AM



#60
Dibromochloromethane
Concen: 4.703 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 129 Resp: 10871
Ion Ratio Lower Upper
129 100
127 85.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 5.863 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 12438

Ion Ratio Lower Upper

107 100

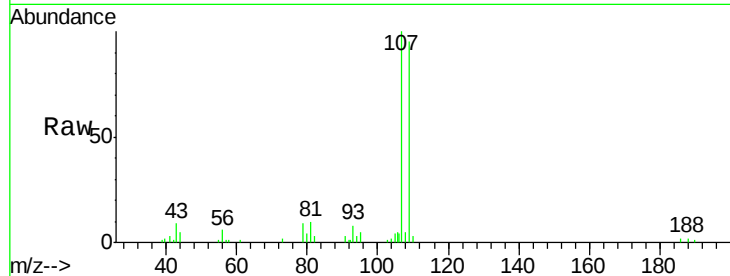
109 93.8 74.3 111.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

8000

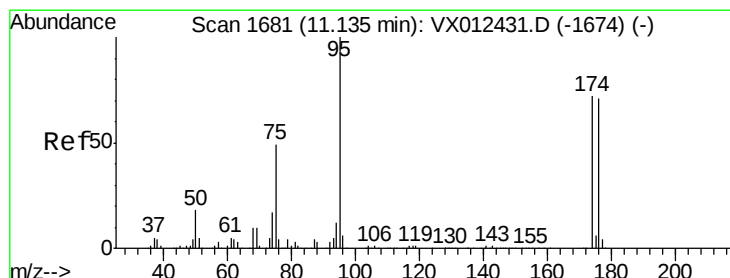
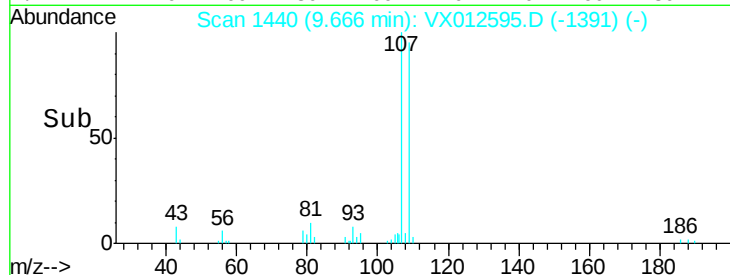
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 4.746 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

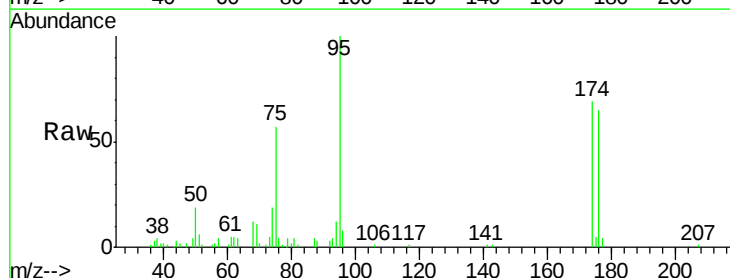
Tgt Ion: 95 Resp: 15609

Ion Ratio Lower Upper

95 100

174 67.8 0.0 134.6

176 61.0 0.0 132.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

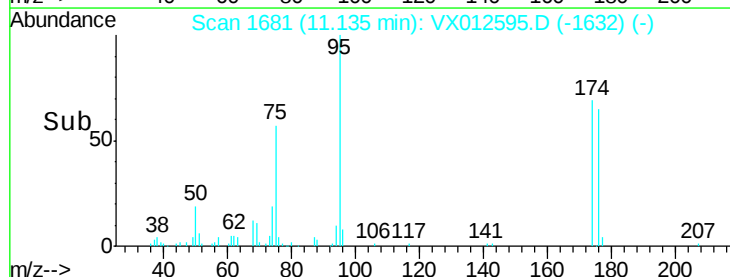
15000

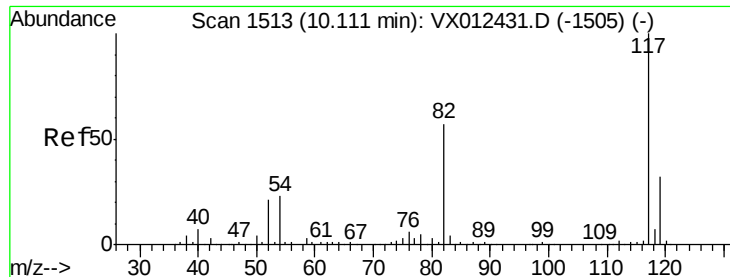
10000

5000

0

Time-->





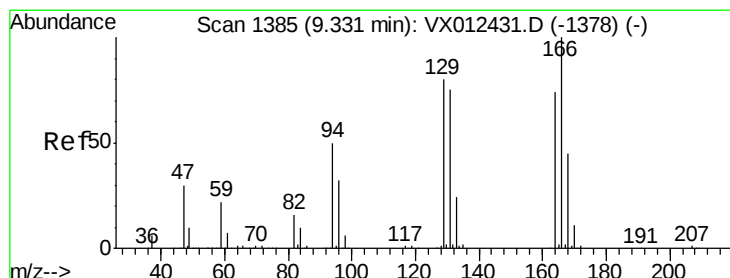
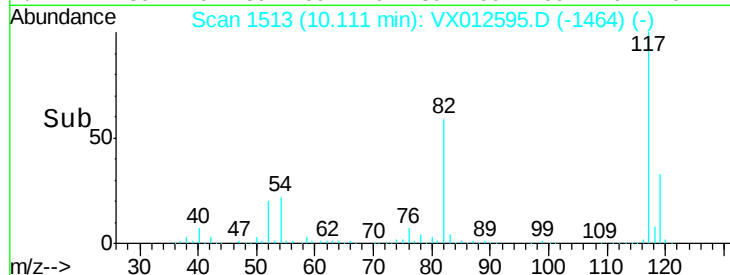
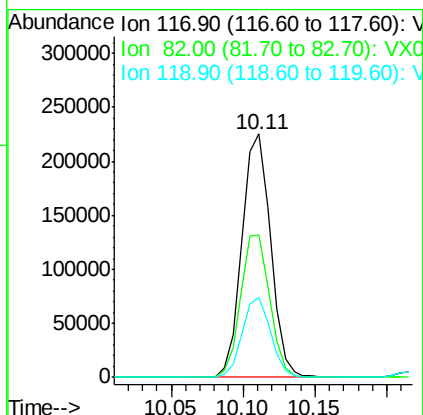
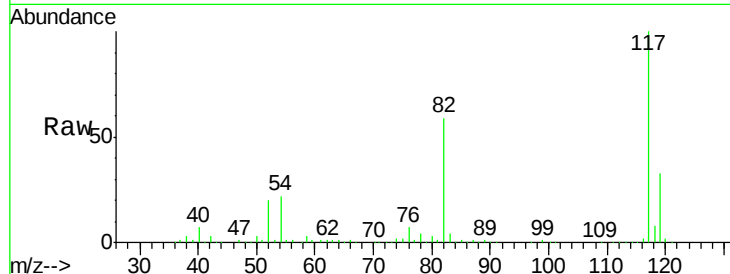
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.0	70.4
119	32.6	25.8	38.6

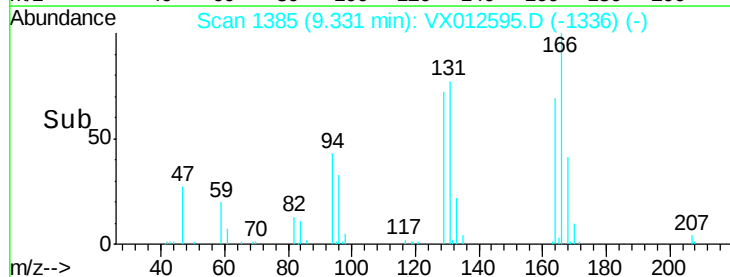
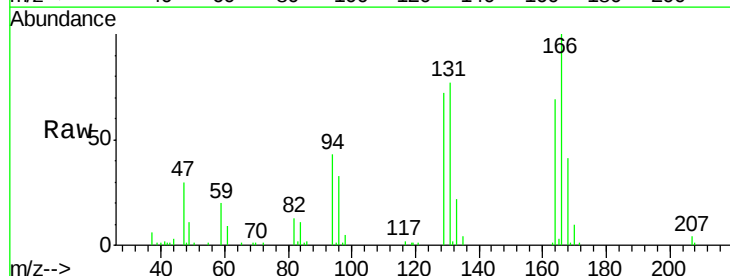
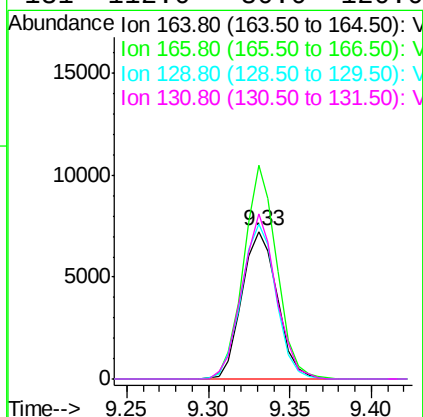
Manual Integrations
APPROVED

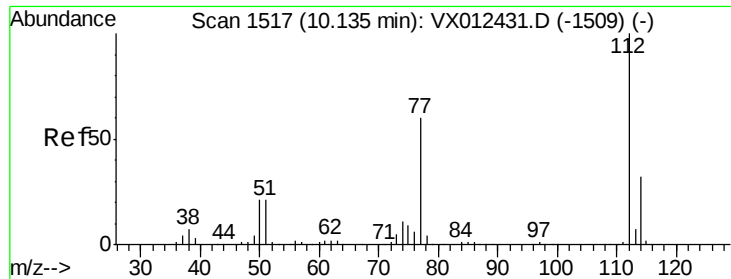
MMDadoda
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#64
Tetrachloroethene
Concen: 7.234 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	145.0	101.3	151.9
129	105.0	81.1	121.7
131	112.0	80.0	120.0





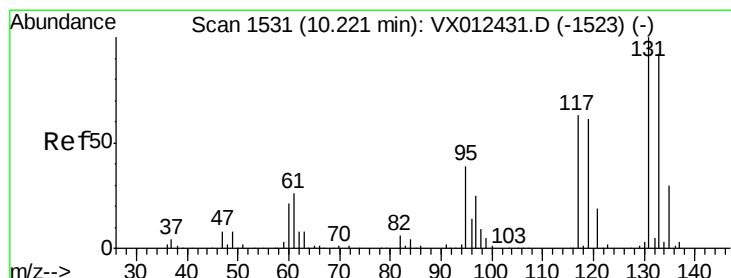
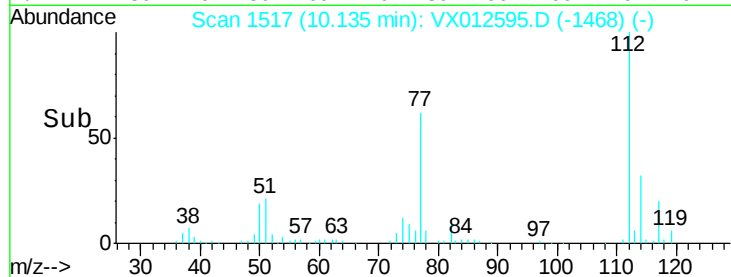
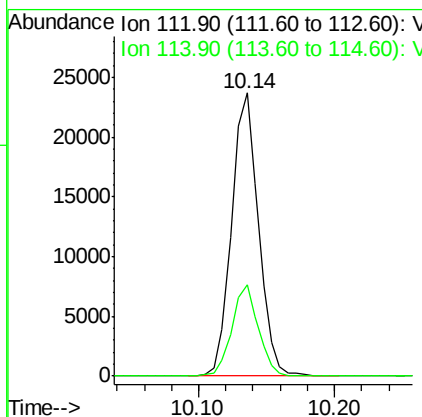
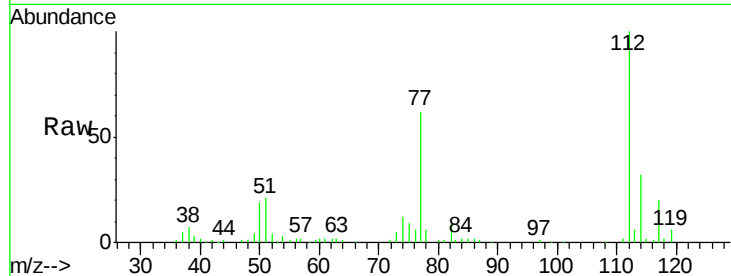
#65
Chlorobenzene
Concen: 6.164 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 32580
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

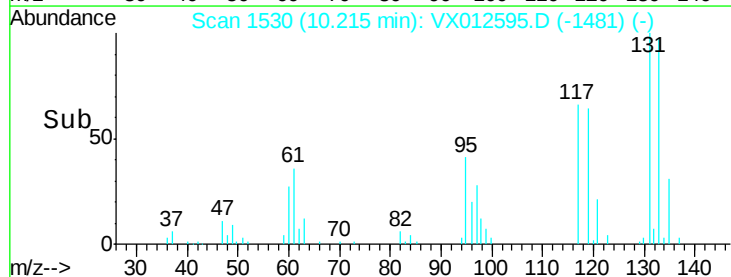
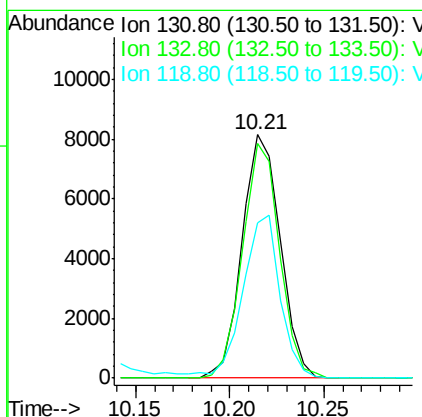
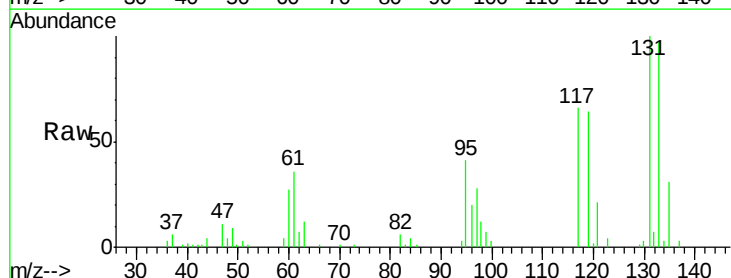
Manual Integrations
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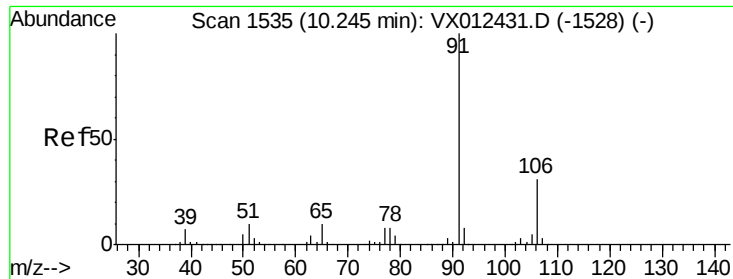
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.371 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion:131 Resp: 11456
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.2
119 65.0 33.0 99.0





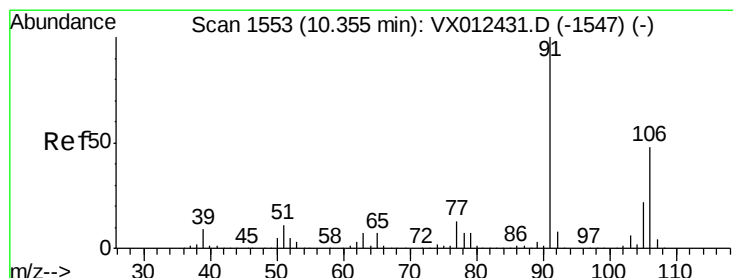
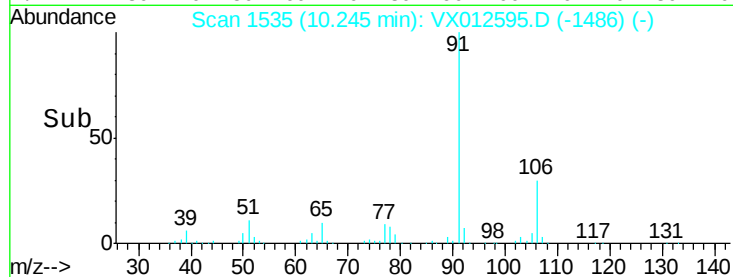
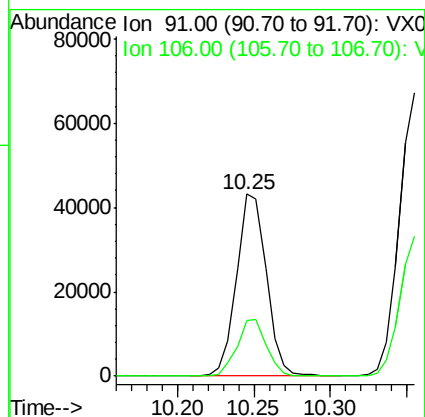
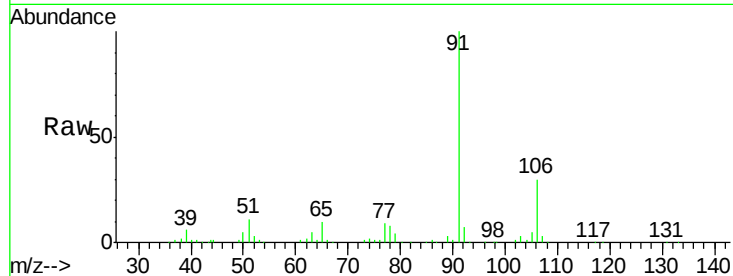
#67
Ethyl Benzene
Concen: 6.430 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 58856
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

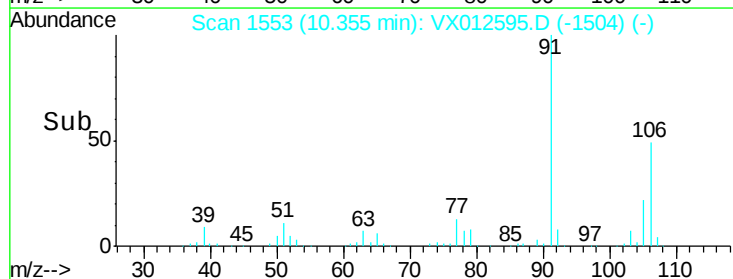
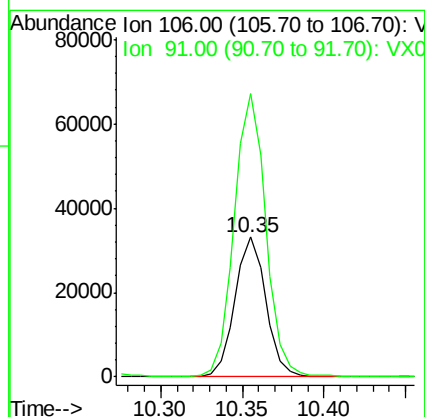
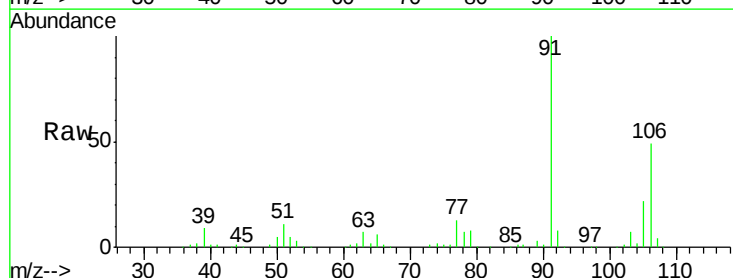
Manual Integrations
APPROVED

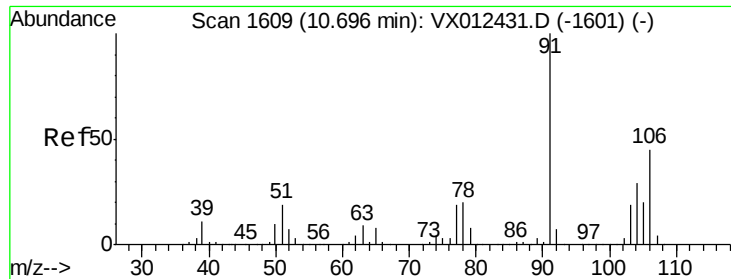
MMDadoda
9/24/2019 10:07:33 AM



#68
m/p-Xylenes
Concen: 13.096 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion: 106 Resp: 43892
Ion Ratio Lower Upper
106 100
91 206.8 167.3 250.9





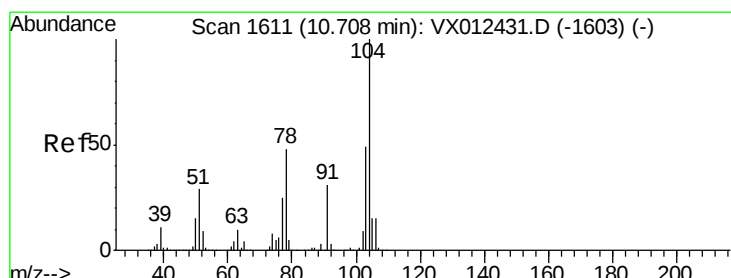
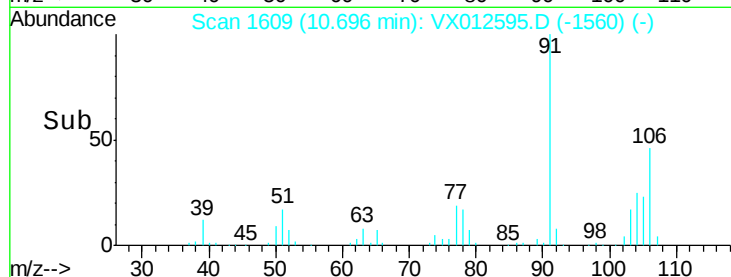
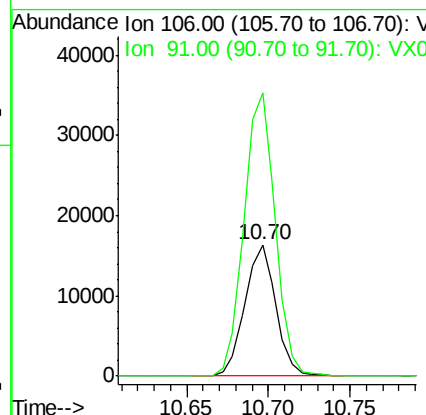
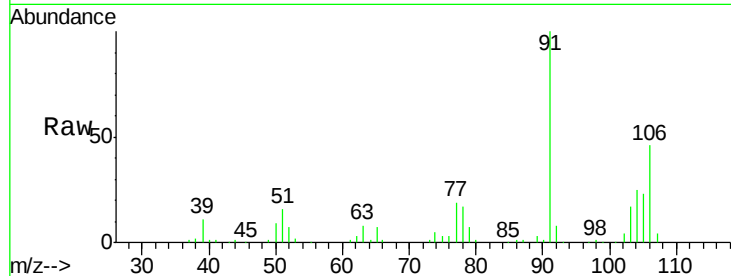
#69
o-Xylene
Concen: 6.377 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 21680
Ion Ratio Lower Upper
106 100
91 217.3 110.3 331.0

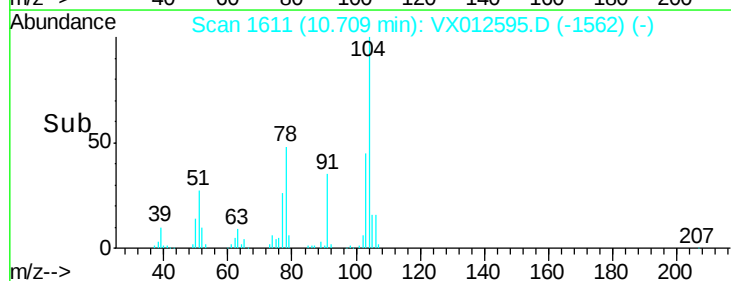
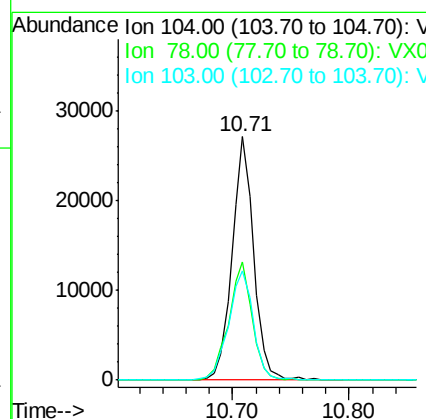
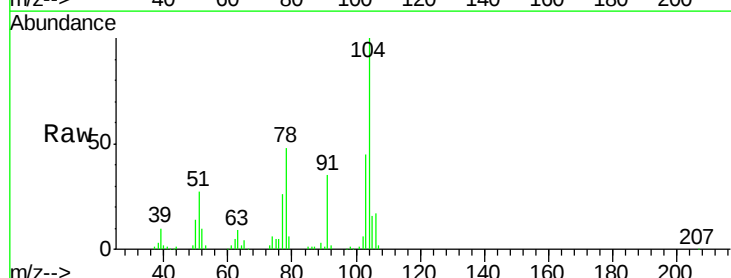
Manual Integrations
APPROVED

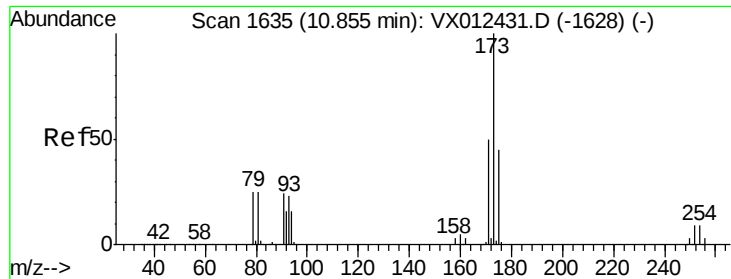
MMDadoda
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#70
Styrene
Concen: 5.827 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion:104 Resp: 34811
Ion Ratio Lower Upper
104 100
78 53.0 43.4 65.2
103 51.7 43.4 65.2





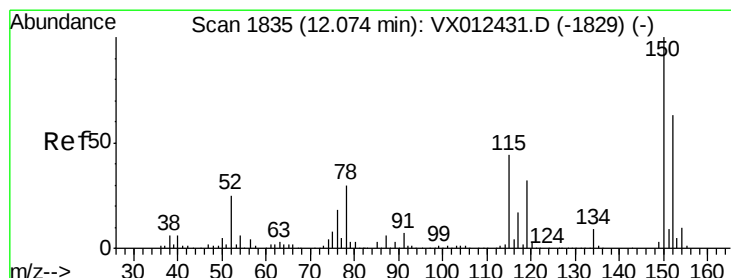
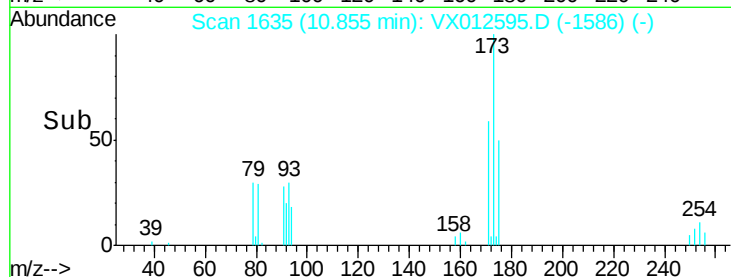
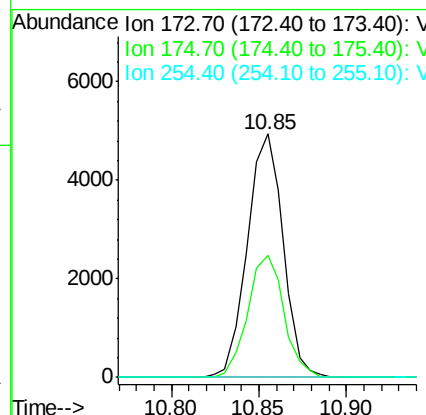
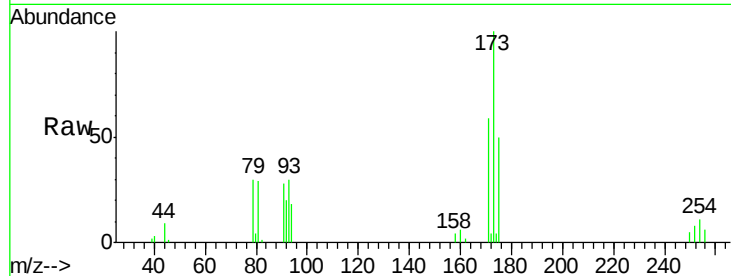
#71
Bromoform
Concen: 4.456 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.6	73.8
254	0.0	0.1	0.1

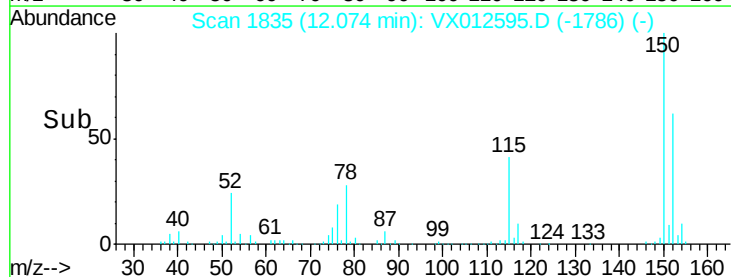
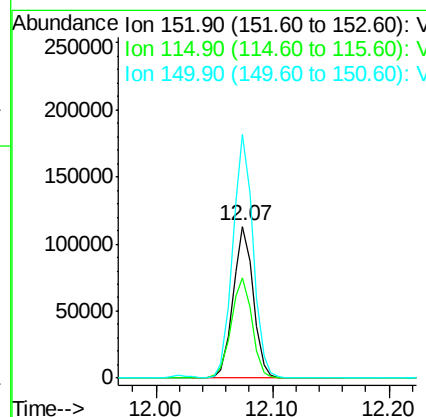
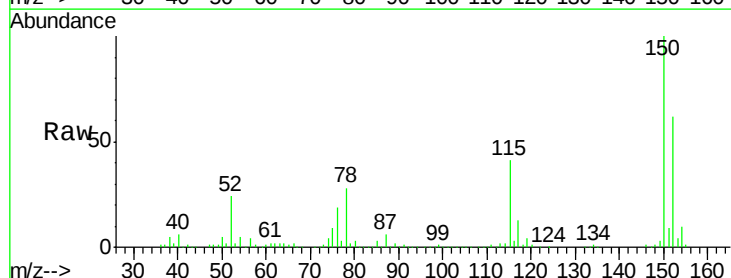
Manual Integrations
APPROVED

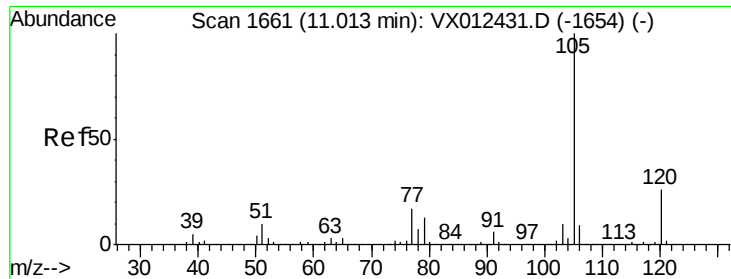
MMDadoda
9/24/2019 10:07:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.0	45.2	135.6
150	161.9	0.0	346.2





#73

Isopropylbenzene

Concen: 6.507 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 56731

Ion Ratio Lower Upper

105 100

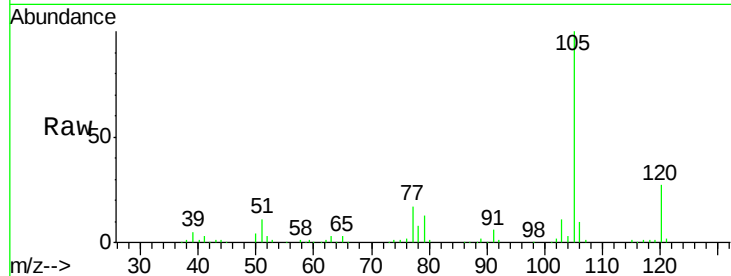
120 26.5 12.9 38.7

Manual Integrations

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MMDadoda

9/24/2019 10:07:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

50000

40000

30000

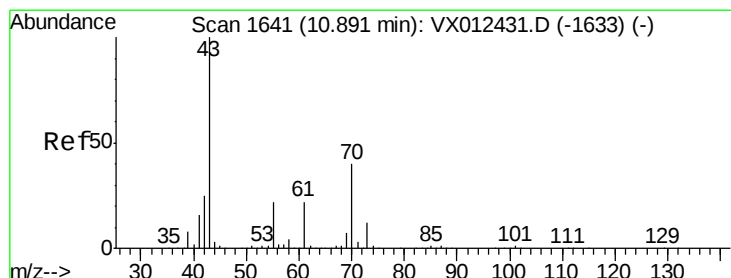
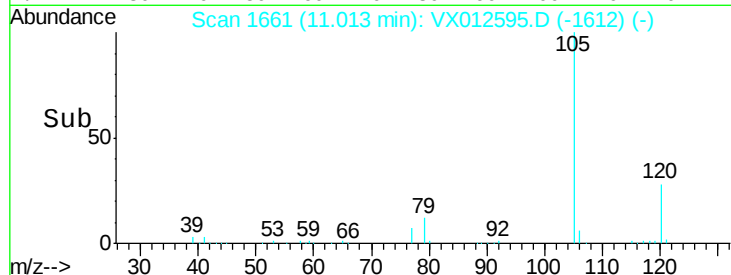
20000

10000

0

Time-->

10.95 11.01 11.05



#74

N-ethyl acetate

Concen: 5.619 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion: 43 Resp: 25853

Ion Ratio Lower Upper

43 100

70 40.8 33.8 50.8

55 24.6 19.2 28.8

61 23.1 19.4 29.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

30000

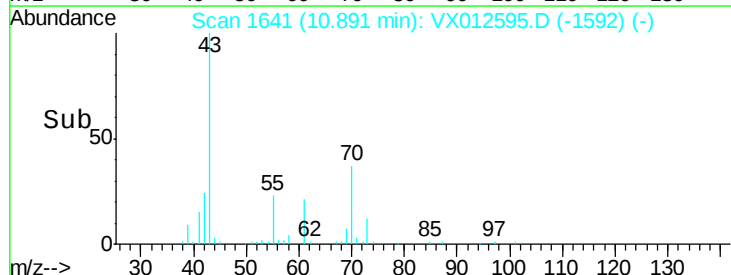
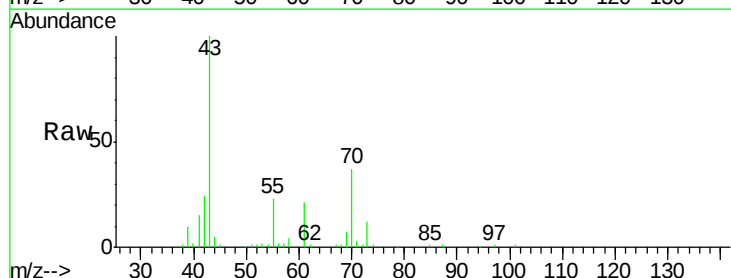
20000

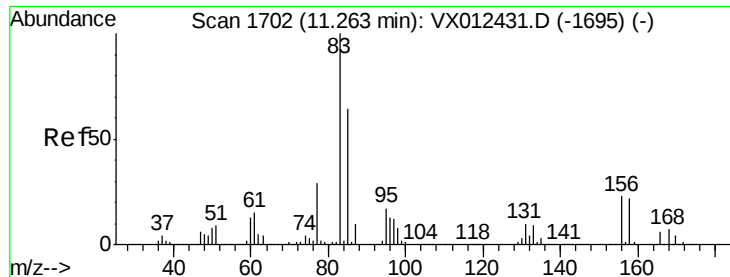
10000

0

Time-->

10.80 10.89 11.00





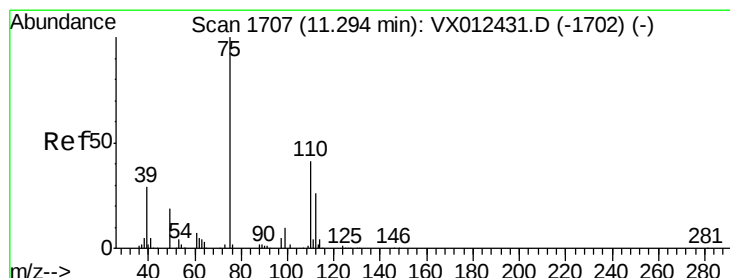
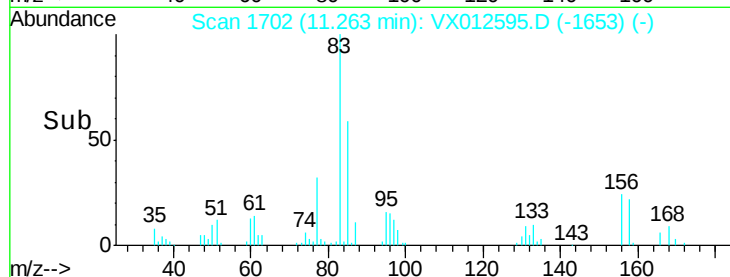
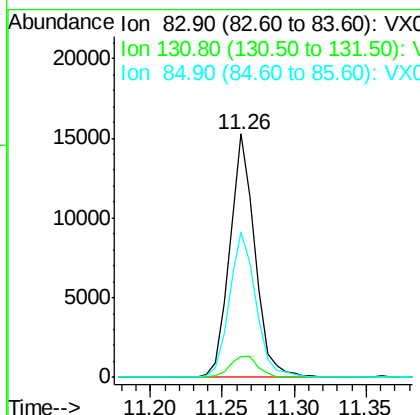
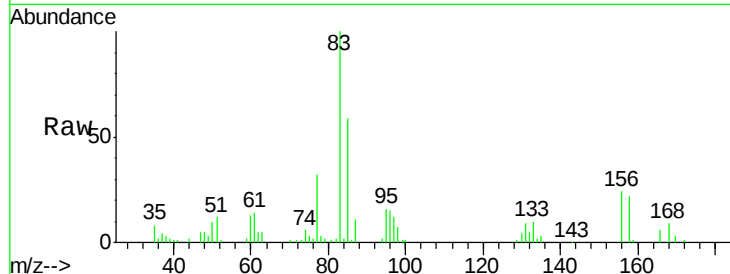
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.644 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	18773
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	62.6	32.0	96.2

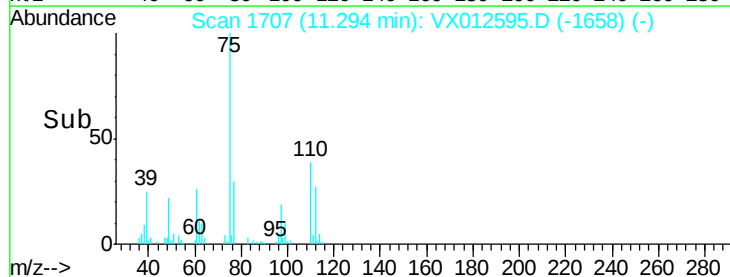
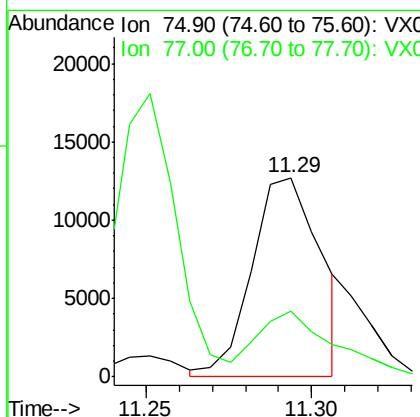
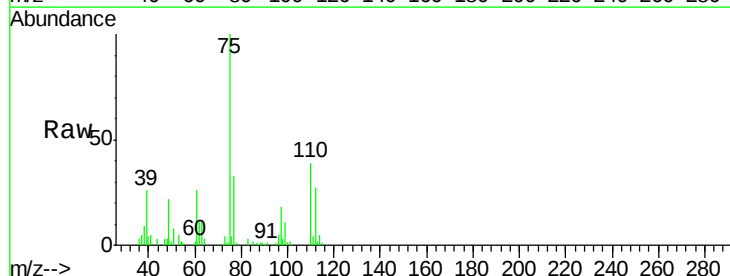
Manual Integrations
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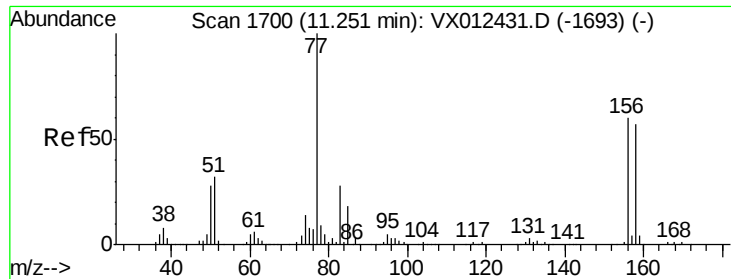
MMDadoda
 9/24/2019 10:07:33 AM



#76
 1,2,3-Trichloropropane
 Concen: 5.871 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	75	Resp	18334
Ion Ratio	100	Lower	Upper
75	100		
77	37.2	19.3	57.8





#77

Bromobenzene

Concen: 6.001 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

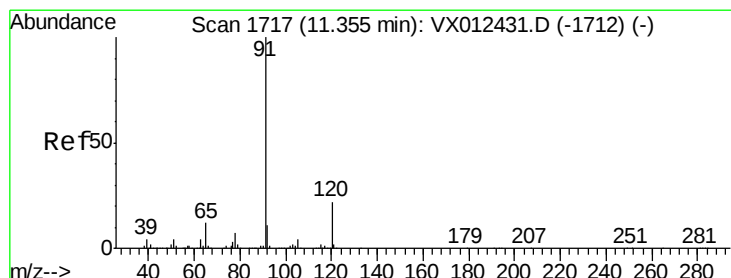
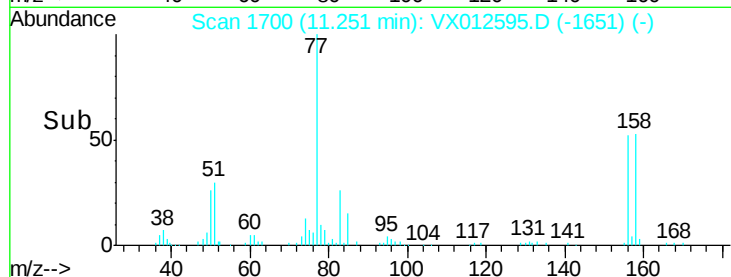
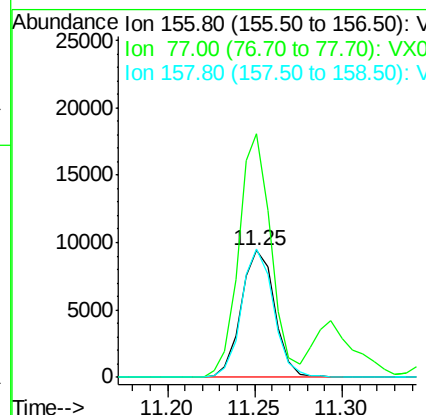
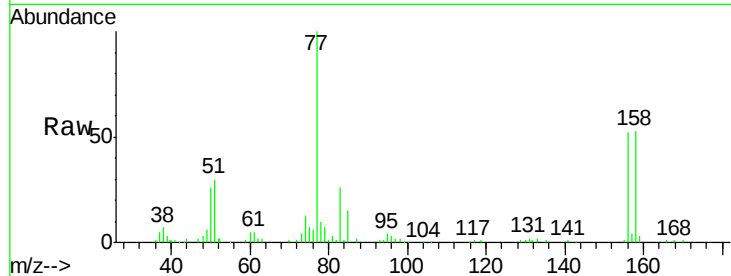
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.7	91.2	273.6
158	96.8	48.0	144.2

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#78

n-propylbenzene

Concen: 6.369 ug/l

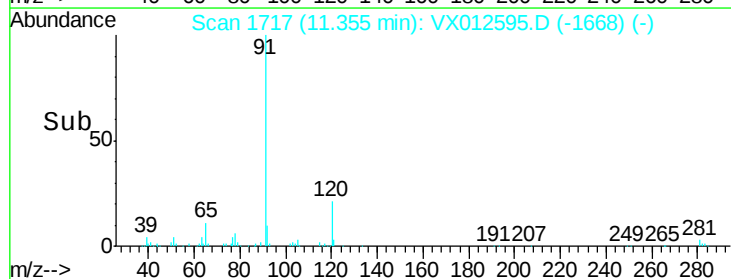
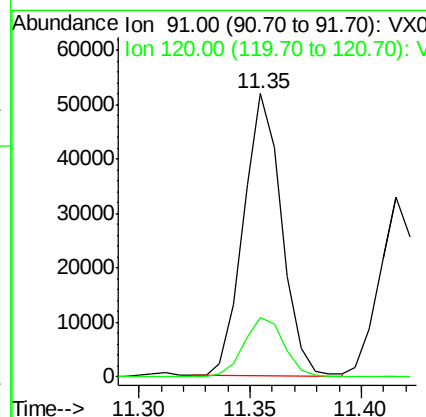
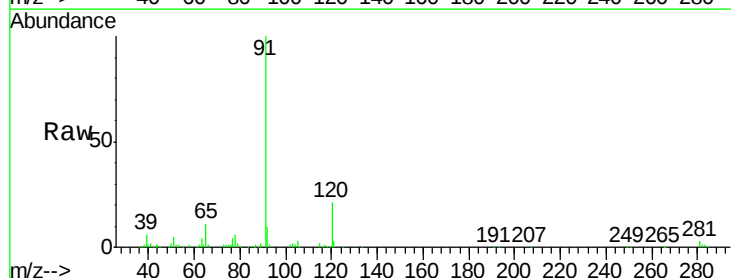
RT: 11.35 min Scan# 1717

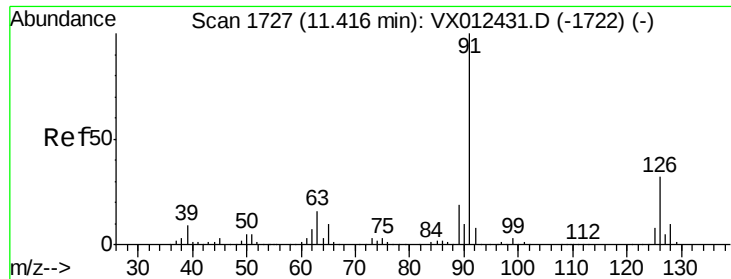
Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





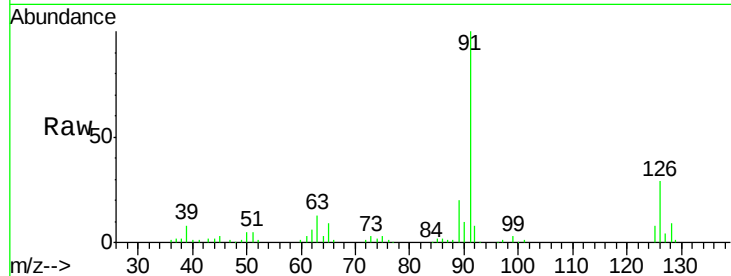
#79
 2-Chlorotoluene
 Concen: 6.251 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

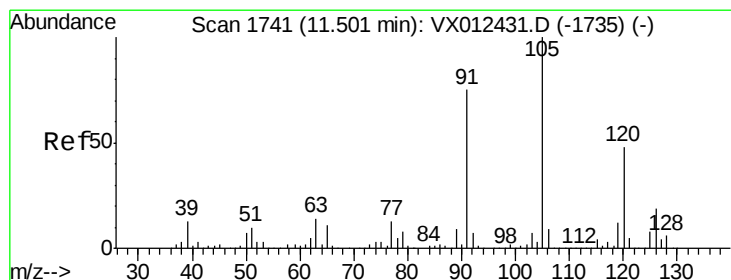
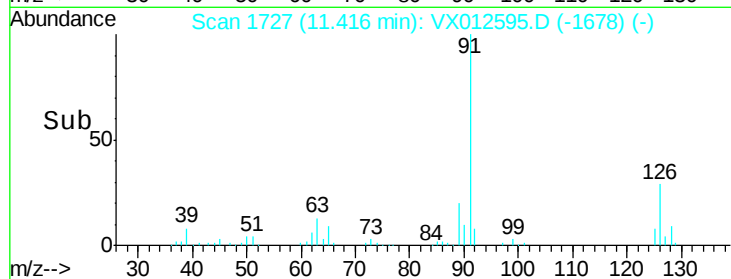
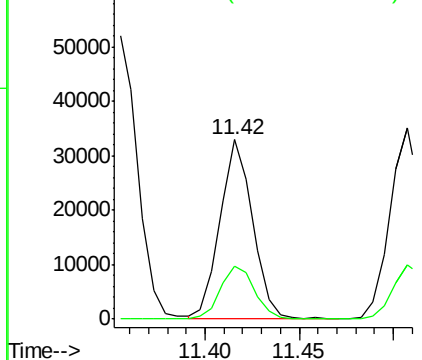
Tot Ion: 91 Resp: 39366
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.1 48.3

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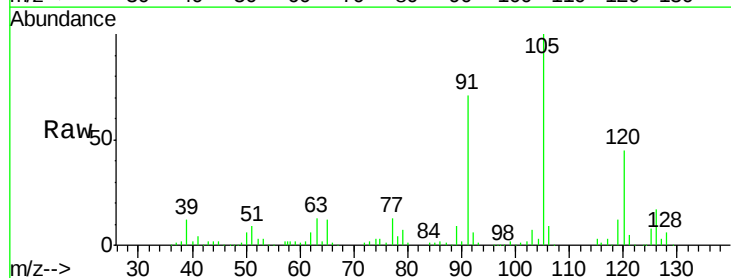


Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)
 Ion 125.90 (125.60 to 126.60): VX012431.D (-1722) (-)

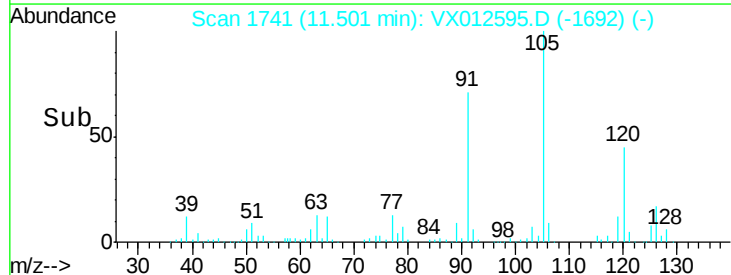
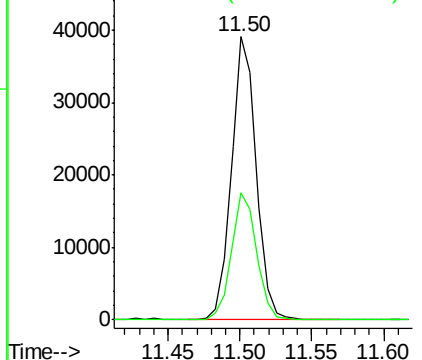


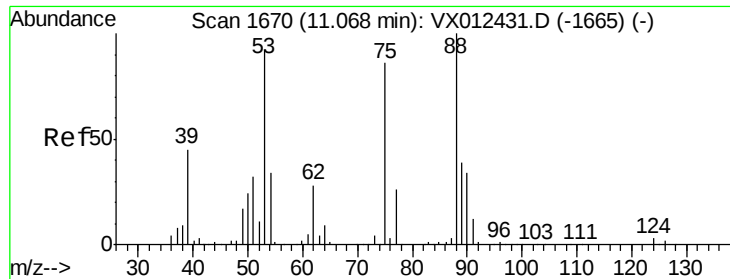
#80
 1,3,5-Trimethylbenzene
 Concen: 6.369 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion: 105 Resp: 47200
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)
 Ion 120.00 (119.70 to 120.70): VX012431.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.985 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5299

Ion Ratio Lower Upper

75 100

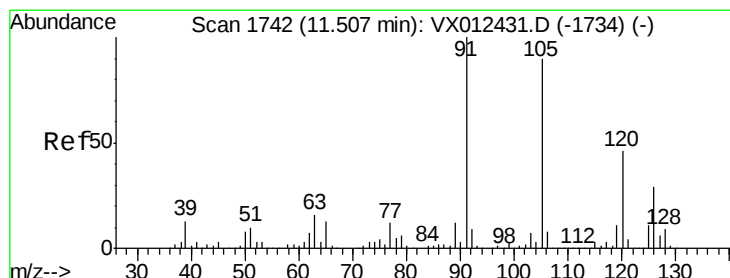
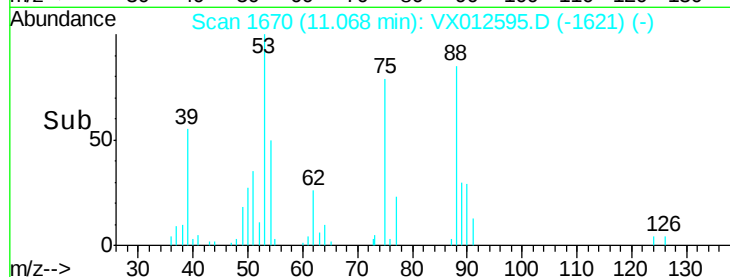
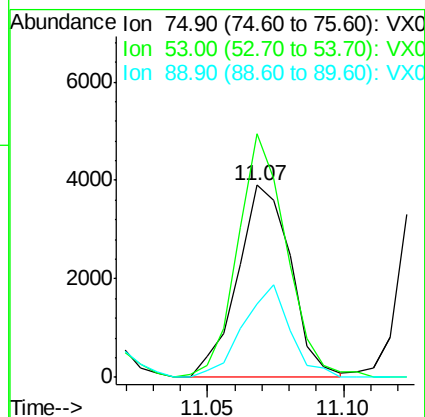
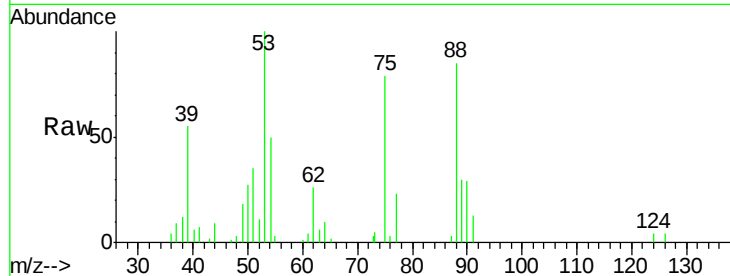
53 116.4 79.5 119.3

89 42.7 36.8 55.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 6.100 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012595.D

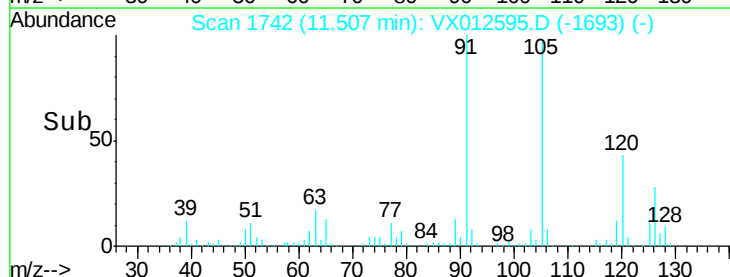
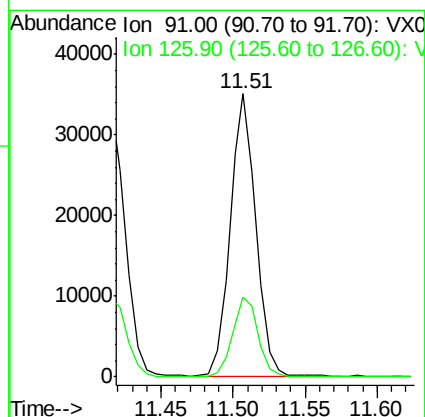
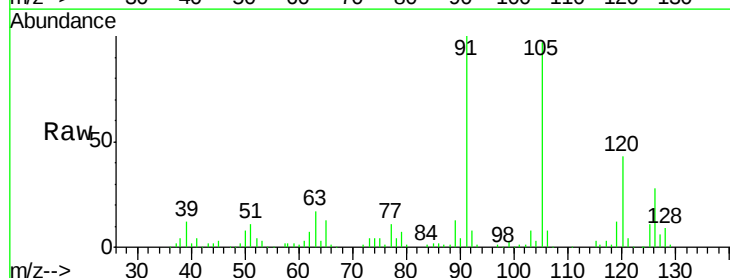
Acq: 23 Sep 2019 10:32

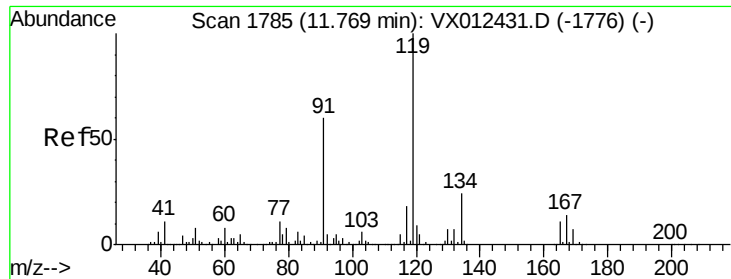
Tgt Ion: 91 Resp: 44040

Ion Ratio Lower Upper

91 100

126 27.9 13.9 41.7





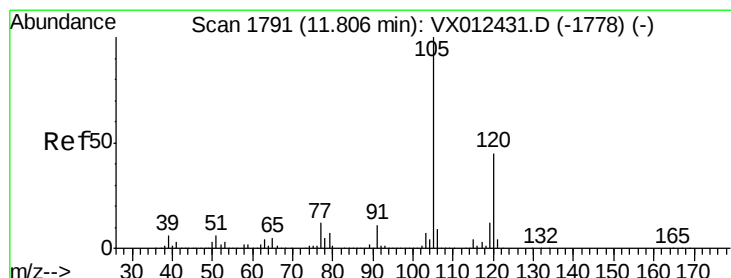
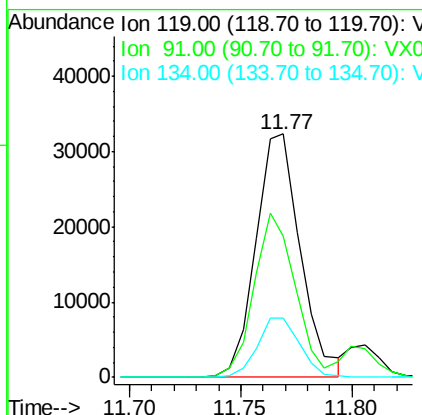
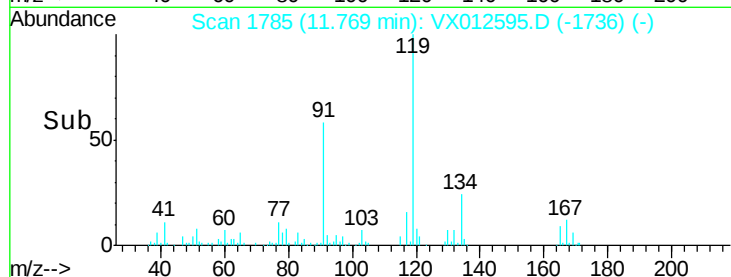
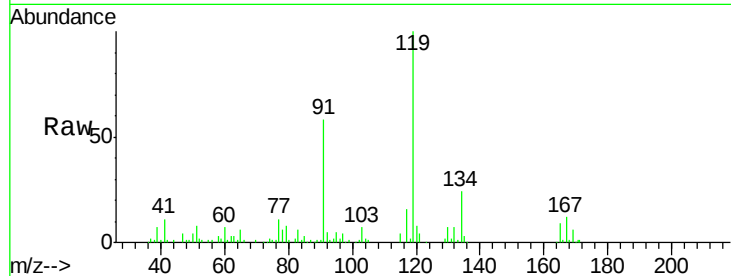
#83
tert-Butylbenzene
Concen: 5.772 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	45001		
91	61.9		31.1	93.5
134	23.2		11.5	34.5

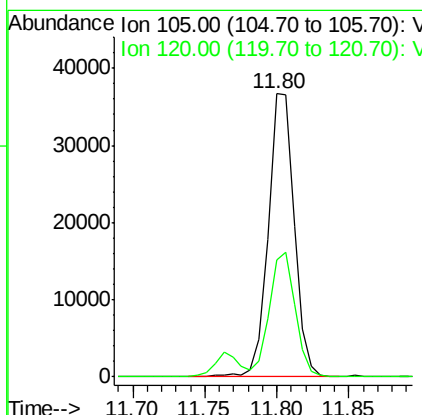
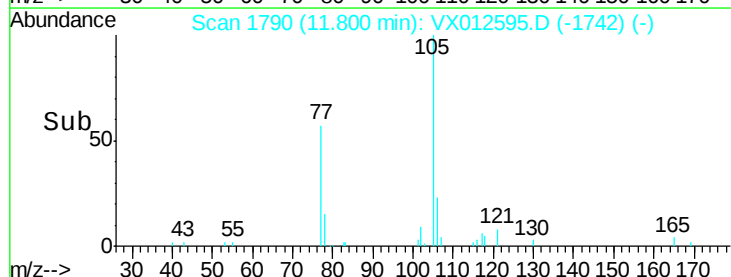
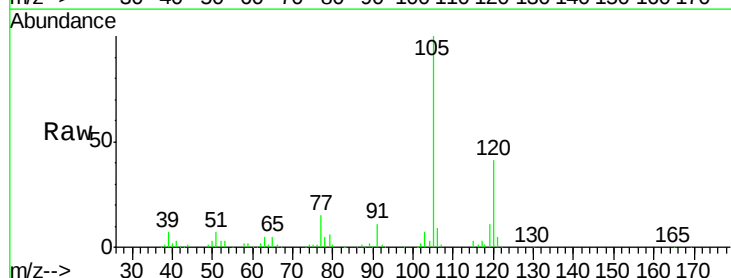
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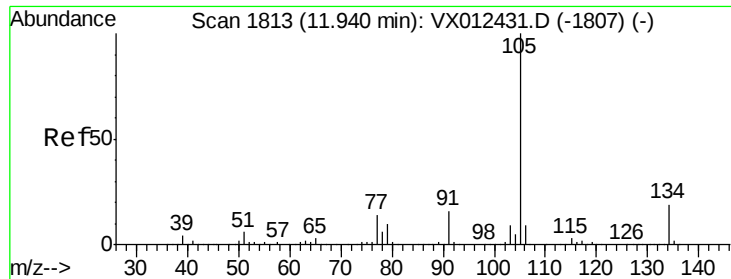
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#84
1,2,4-Trimethylbenzene
Concen: 6.052 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	45969		
120	43.7		22.3	66.8





#85

sec-Butylbenzene

Concen: 6.001 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 52036

Ion Ratio Lower Upper

105 100

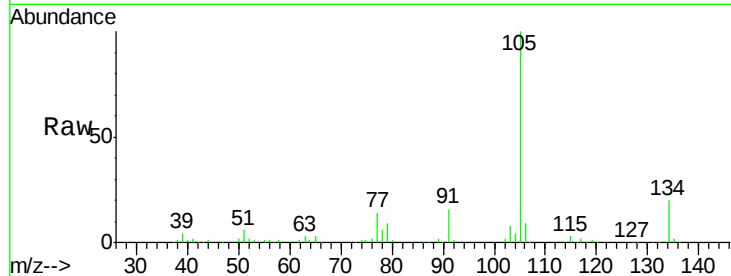
134 19.4 9.7 29.1

Manual Integrations

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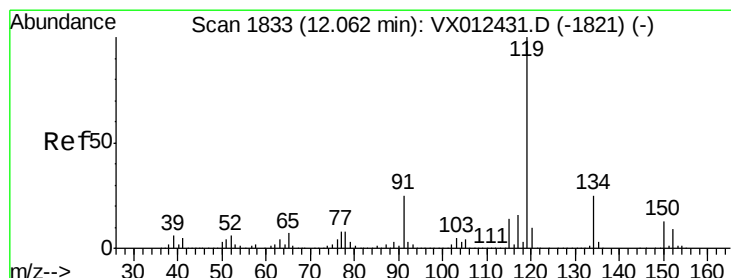
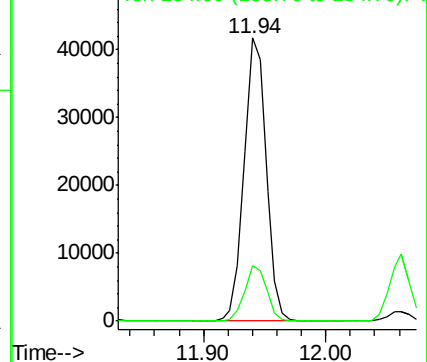
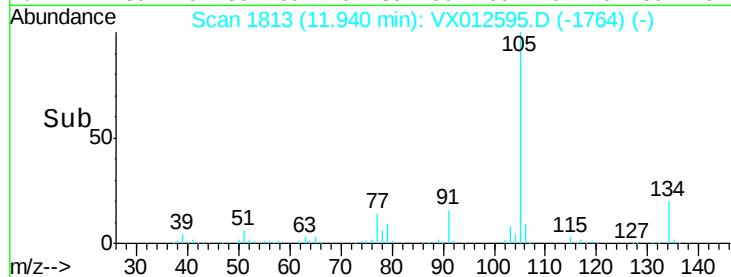
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.844 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

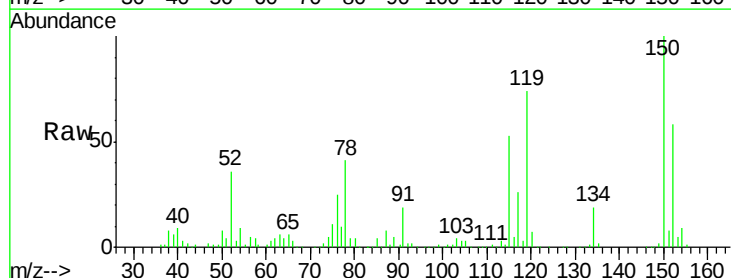
Tgt Ion:119 Resp: 46473

Ion Ratio Lower Upper

119 100

134 25.0 12.4 37.4

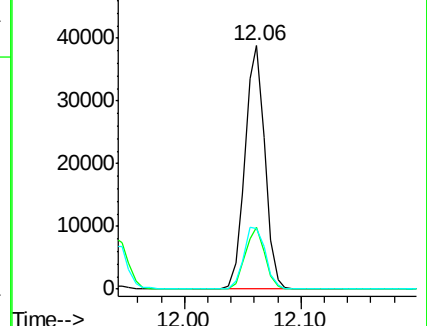
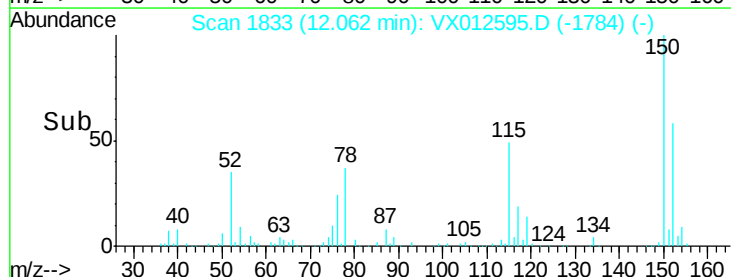
91 28.0 12.8 38.4

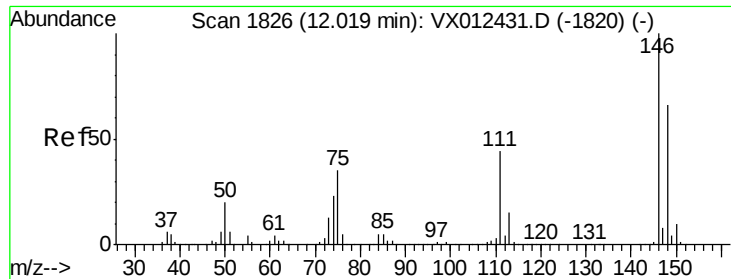


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





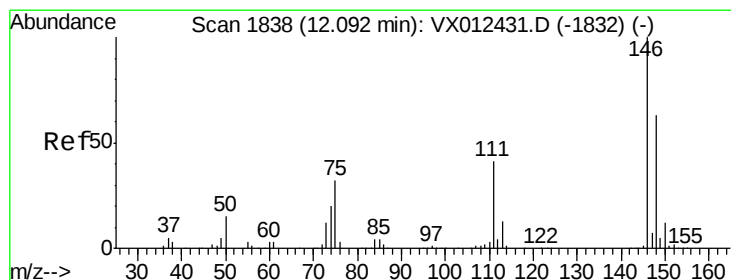
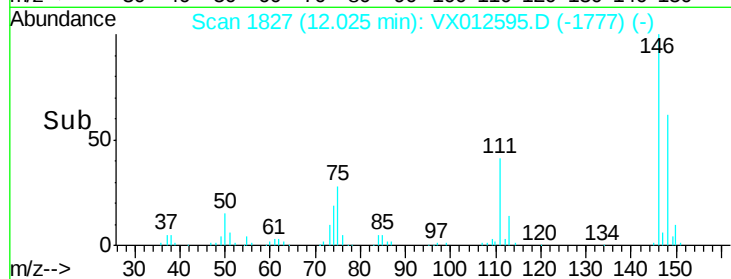
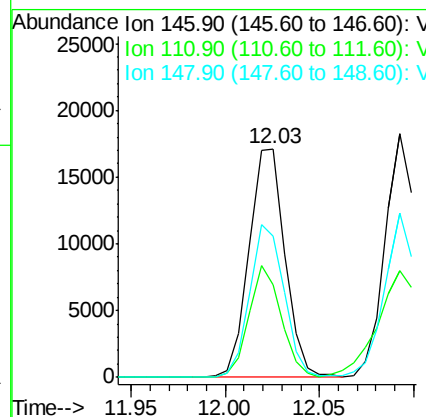
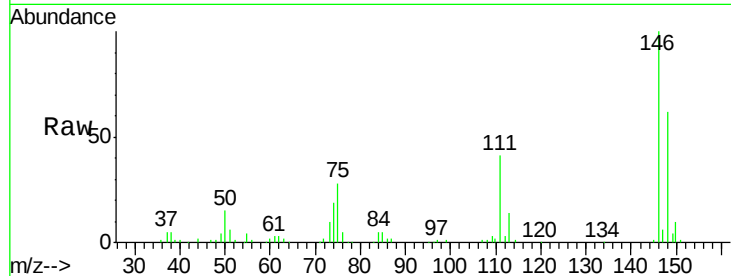
#87
 1,3-Dichlorobenzene
 Concen: 5.777 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.9
148	63.9	31.9	95.5

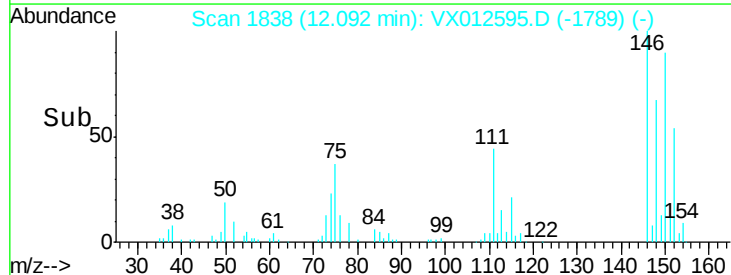
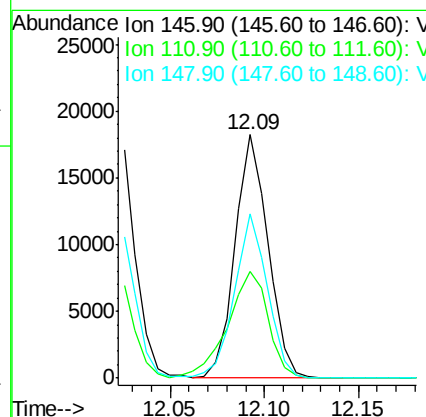
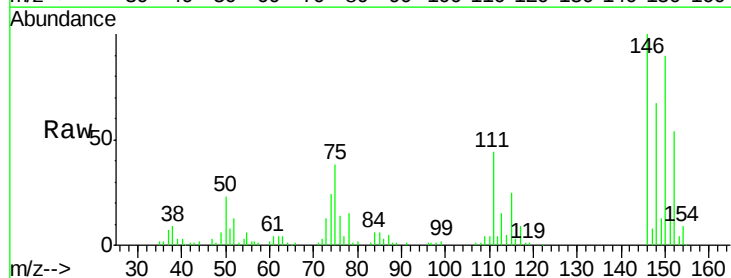
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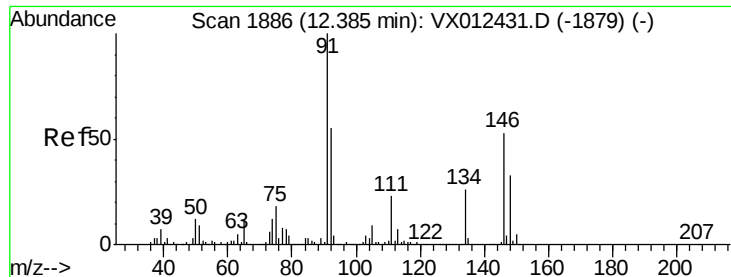
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#88
 1,4-Dichlorobenzene
 Concen: 5.520 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.7	21.7	65.1
148	67.2	31.8	95.3





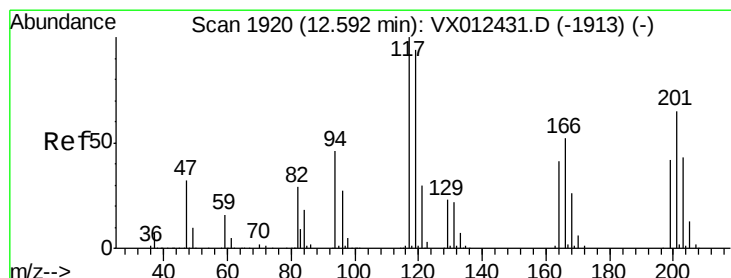
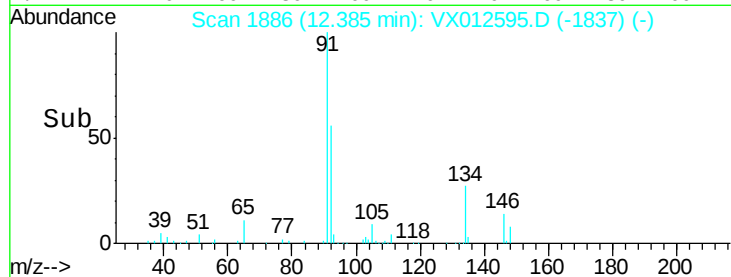
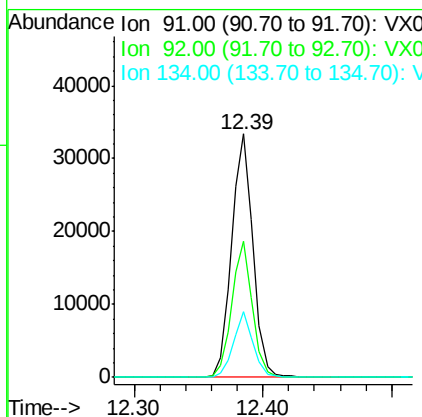
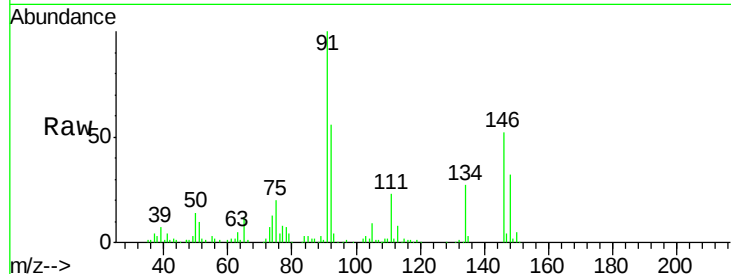
#89
n-Butylbenzene
Concen: 5.482 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	27.2	81.6	
134	24.7	12.4	37.2	

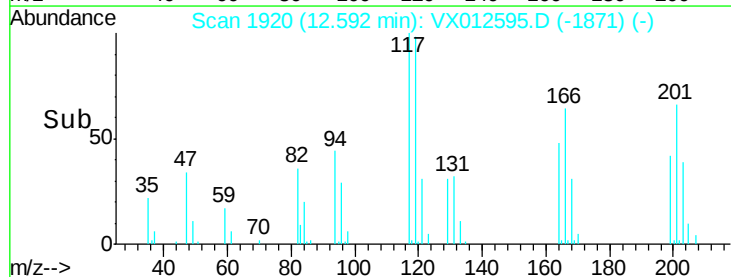
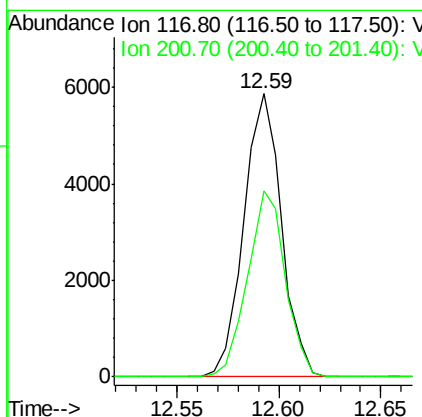
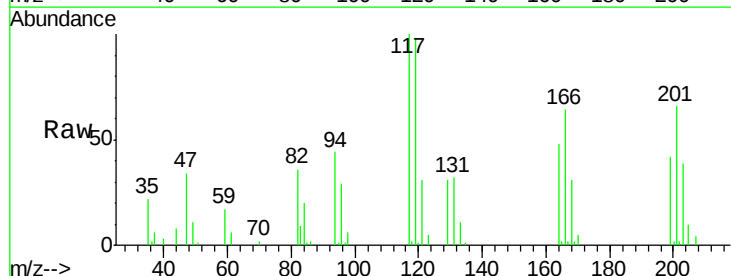
Manual Integrations
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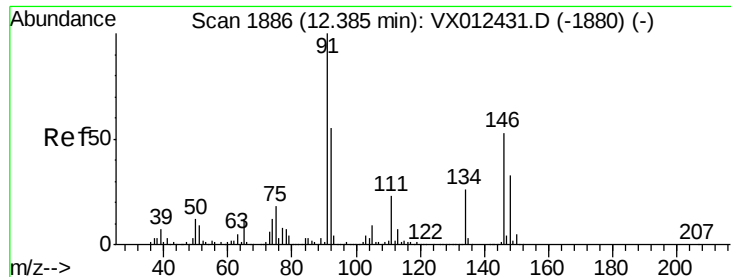
MMDadoda
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#90
Hexachloroethane
Concen: 5.222 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012595.D
Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.6	34.0	101.8	





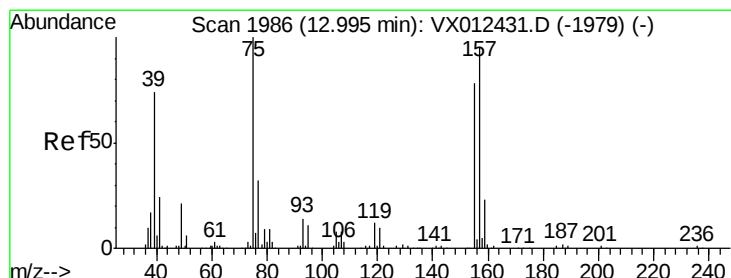
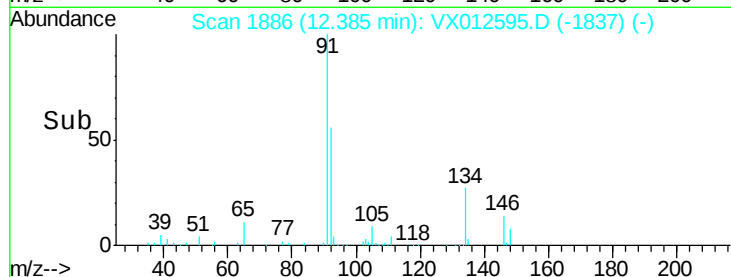
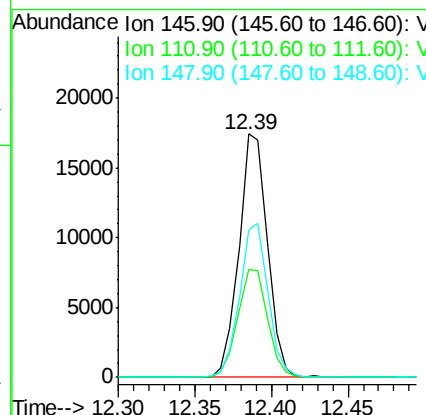
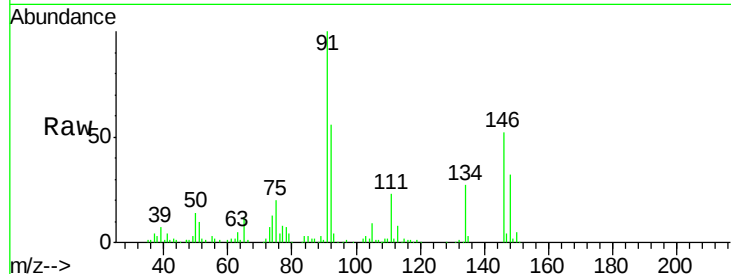
#91
 1,2-Dichlorobenzene
 Concen: 5.550 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.8	68.4
148	62.7	31.7	95.1

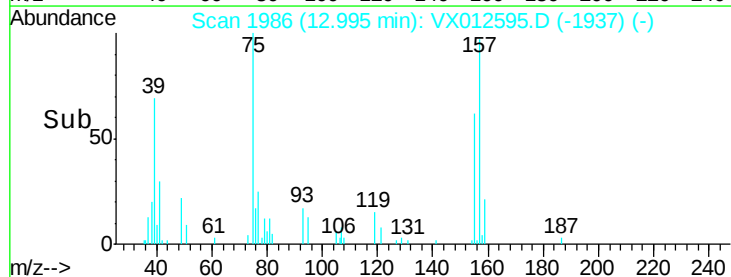
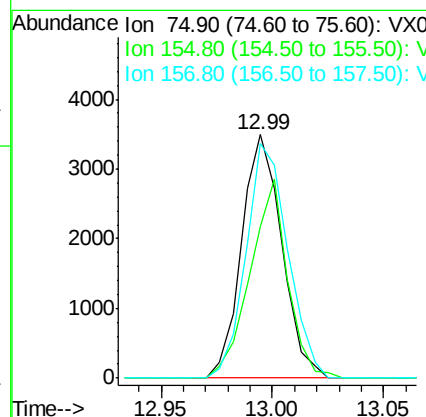
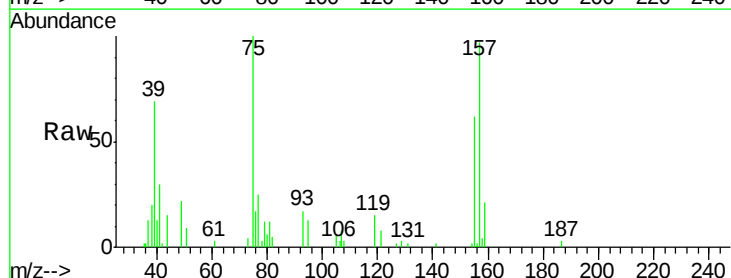
Manual Integrations
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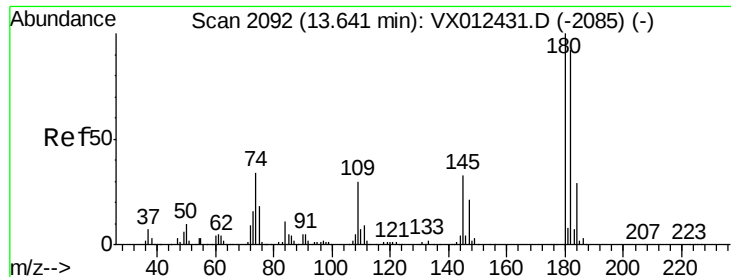
MMDadoda
 9/24/2019 10:07:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.117 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.1	38.7	116.1
157	100.3	48.5	145.6





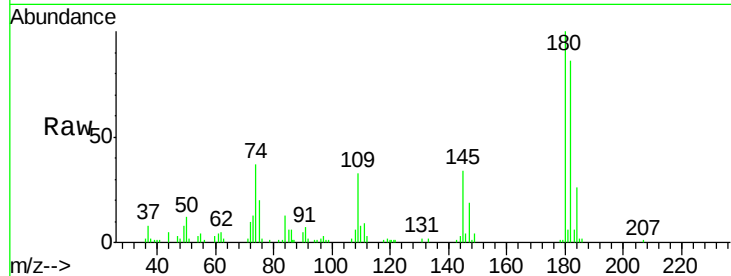
#93
 1,2,4-Trichlorobenzene
 Concen: 5.024 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

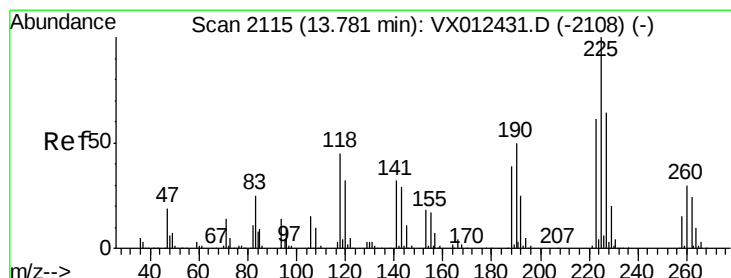
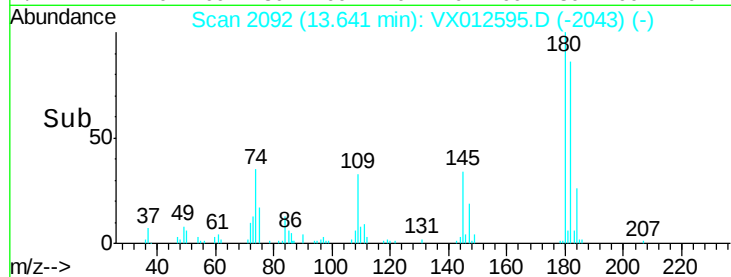
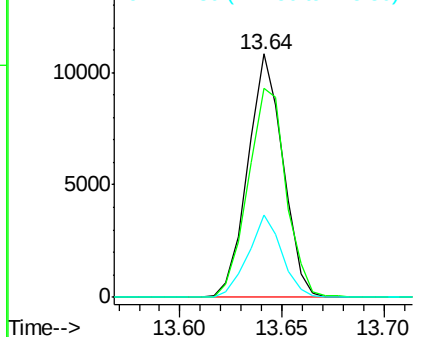
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.8	143.3
145	32.6	17.1	51.3

Manual Integrations
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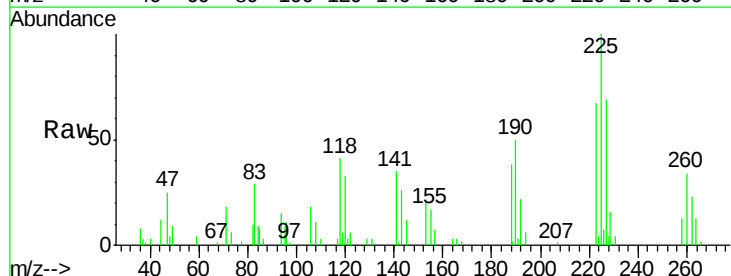


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

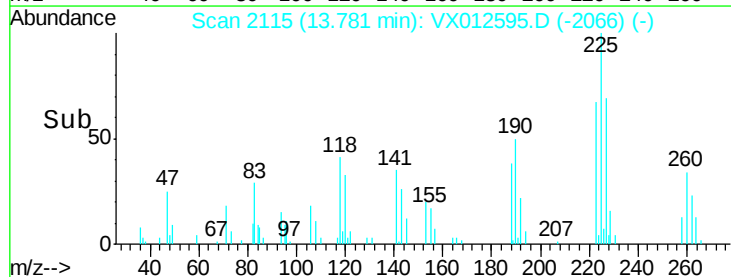
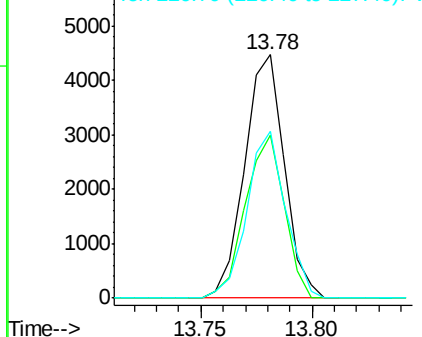


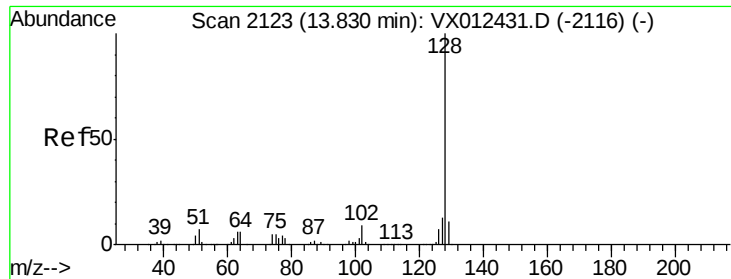
#94
 Hexachlorobutadiene
 Concen: 4.604 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012595.D
 Acq: 23 Sep 2019 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.7	95.1
227	67.0	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.016 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Instrument :

MSVOA_X

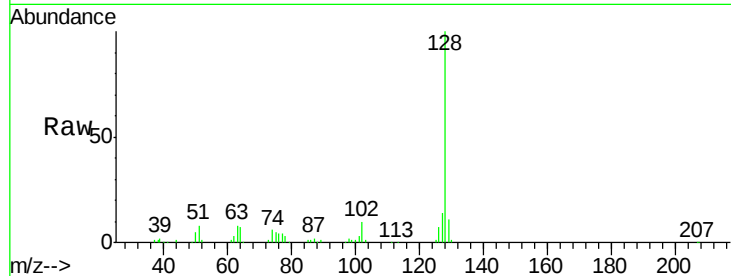
ClientSampleId :

VSTDIC005

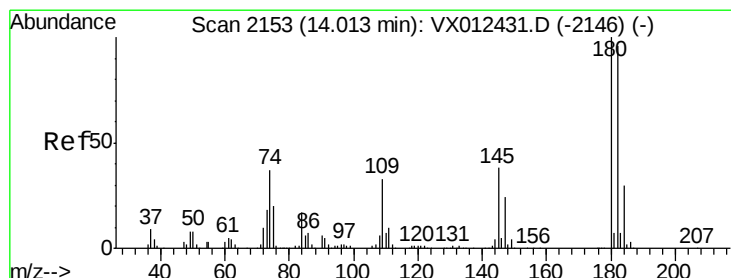
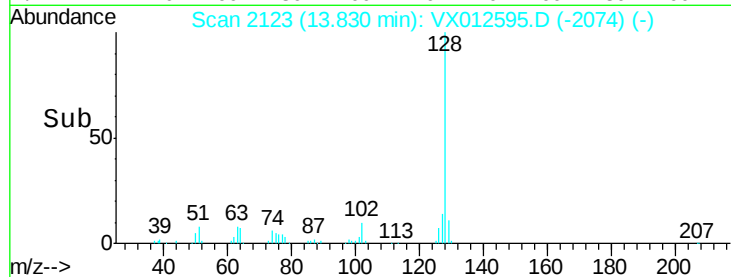
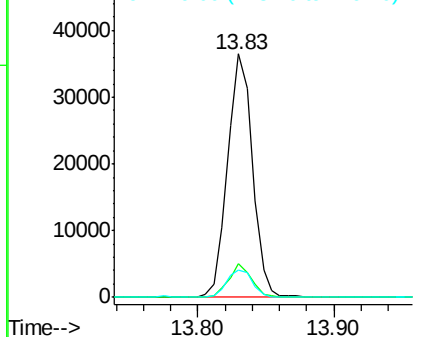
Tot Ion:	128	Resp:	46416
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.6	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.046 ug/l

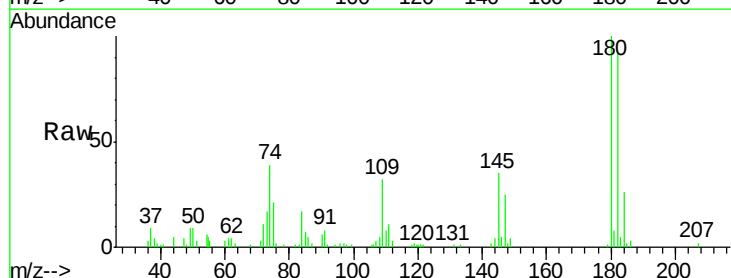
RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012595.D

Acq: 23 Sep 2019 10:32

Tgt Ion:	180	Resp:	13292
Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.8	140.3
145	34.9	18.4	55.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

