

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012883.D
 Acq On : 08 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:37:09 AM

Quant Time: Oct 09 01:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	187952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	314994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124152	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	12392	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	
35) Dibromofluoromethane	5.49	113	9225	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
50) Toluene-d8	8.71	98	37038	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	11.14	95	13666	4.77	ug/l	0.00
Spiked Amount			Recovery	=	9.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	9653	4.537	ug/l	95
3) Chloromethane	1.32	50	10777	4.485	ug/l	95
4) Vinyl Chloride	1.40	62	11054	4.611	ug/l	97
5) Bromomethane	1.63	94	4736	4.985	ug/l	94
6) Chloroethane	1.71	64	7631	4.760	ug/l	91
7) Trichlorofluoromethane	1.92	101	15022	4.472	ug/l	98
8) Diethyl Ether	2.18	74	6258	4.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	10112	4.915	ug/l	97
10) Methyl Iodide	2.50	142	5907	3.022	ug/l	99
11) Tert butyl alcohol	3.03	59	17837	26.530	ug/l	98
12) 1,1-Dichloroethene	2.36	96	9699	4.816	ug/l	92
13) Acrolein	2.28	56	11473	30.948	ug/l	100
14) Allyl chloride	2.72	41	17120	4.333	ug/l	99
15) Acrylonitrile	3.13	53	30565	22.346	ug/l	99
16) Acetone	2.44	43	33090	23.204	ug/l	97
17) Carbon Disulfide	2.56	76	25111	4.440	ug/l	100
18) Methyl Acetate	2.76	43	15746	4.673	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	34277	4.534	ug/l	99
20) Methylene Chloride	2.84	84	11598	4.747	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	10487	4.708	ug/l	88
22) Diisopropyl ether	3.84	45	34635	4.534	ug/l #	87
23) Vinyl Acetate	3.81	43	140897	21.103	ug/l	99
24) 1,1-Dichloroethane	3.69	63	18670	4.487	ug/l	99
25) 2-Butanone	4.66	43	45934	22.511	ug/l	92
26) 2,2-Dichloropropane	4.57	77	15626	4.243	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	11760	4.551	ug/l	95
28) Bromochloromethane	5.00	49	5921	4.011	ug/l	97
29) Tetrahydrofuran	5.12	42	26197	21.030	ug/l	97
30) Chloroform	5.20	83	19397	4.545	ug/l	97
31) Cyclohexane	5.57	56	17738	4.697	ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	16148	4.292	ug/l	98
36) 1,1-Dichloropropene	5.79	75	14048	4.603	ug/l	97
37) Ethyl Acetate	4.83	43	14713	4.175	ug/l #	95
38) Carbon Tetrachloride	5.77	117	13218	4.303	ug/l	94

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 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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Quant Time: Oct 09 01:32:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	17478	4.738	ug/l	99
40) Benzene	6.14	78	43070	4.809	ug/l	96
41) Methacrylonitrile	5.03	41	8809	4.473	ug/l	97
42) 1,2-Dichloroethane	6.19	62	15141	4.491	ug/l	98
43) Isopropyl Acetate	6.44	43	25405	4.321	ug/l	98
44) Trichloroethene	7.21	130	11639	5.048	ug/l	97
45) 1,2-Dichloropropane	7.51	63	11001	4.798	ug/l	98
46) Dibromomethane	7.66	93	6954	4.461	ug/l	97
47) Bromodichloromethane	7.89	83	12705	4.098	ug/l	98
48) Methyl methacrylate	7.76	41	12024	4.269	ug/l	99
49) 1,4-Dioxane	7.74	88	6186	95.573	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	82196	22.644	ug/l	98
52) Toluene	8.78	92	27372	4.865	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	13488	3.929	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	16607	4.424	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	10442	4.669	ug/l	94
56) Ethyl methacrylate	9.17	69	16713	4.460	ug/l	98
57) 1,3-Dichloropropane	9.37	76	18496	4.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	35736	21.385	ug/l	99
59) 2-Hexanone	9.49	43	63362	22.851	ug/l	100
60) Dibromochloromethane	9.58	129	9126	4.027	ug/l	97
61) 1,2-Dibromoethane	9.67	107	11175	4.801	ug/l	100
64) Tetrachloroethene	9.33	164	10054	5.077	ug/l	89
65) Chlorobenzene	10.14	112	29009	4.906	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	10134	4.731	ug/l	93
67) Ethyl Benzene	10.25	91	51339	4.789	ug/l	100
68) m/p-Xylenes	10.36	106	38092	9.493	ug/l	100
69) o-Xylene	10.70	106	18667	4.801	ug/l	100
70) Styrene	10.71	104	31039	4.757	ug/l	99
71) Bromoform	10.85	173	5954	3.969	ug/l #	99
73) Isopropylbenzene	11.01	105	49022	4.845	ug/l	100
74) N-amyl acetate	10.89	43	20358	4.288	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	16704	5.014	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	15137m	4.766	ug/l	
77) Bromobenzene	11.25	156	11754	5.114	ug/l	99
78) n-propylbenzene	11.35	91	52256	4.611	ug/l	99
79) 2-Chlorotoluene	11.42	91	34043	4.805	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	40729	4.803	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	3732	3.309	ug/l #	81
82) 4-Chlorotoluene	11.51	91	38247	4.732	ug/l	98
83) tert-Butylbenzene	11.76	119	39752	4.840	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	40263	4.697	ug/l	99
85) sec-Butylbenzene	11.94	105	45840	4.802	ug/l	99
86) p-Isopropyltoluene	12.06	119	41232	4.791	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	20497	4.937	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	20614	4.933	ug/l	94
89) n-Butylbenzene	12.39	91	33052	4.377	ug/l	98
90) Hexachloroethane	12.59	117	5908	3.873	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	21279	5.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3689	4.463	ug/l	88

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MSVOA_X
ClientSampleId :
VSTDICC005

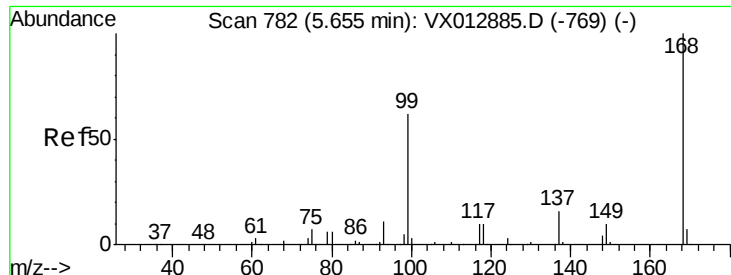
Manual Integrations
APPROVED

MMDadoda
10/9/2019 10:37:09 AM

Quant Time: Oct 09 01:32:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:14:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11225	4.417	ug/l	92
94) Hexachlorobutadiene	13.78	225	5702	5.169	ug/l	97
95) Naphthalene	13.83	128	40420	4.440	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	12616	4.966	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 187952

Ion Ratio Lower Upper

168 100

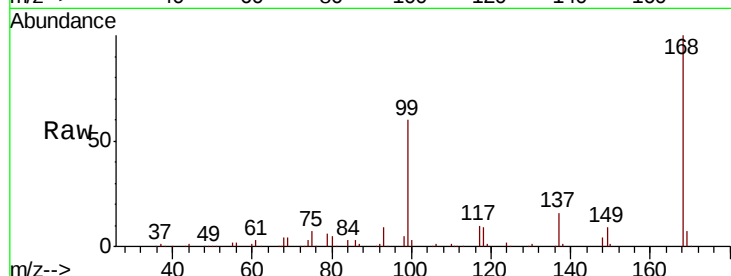
99 59.8 49.4 74.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

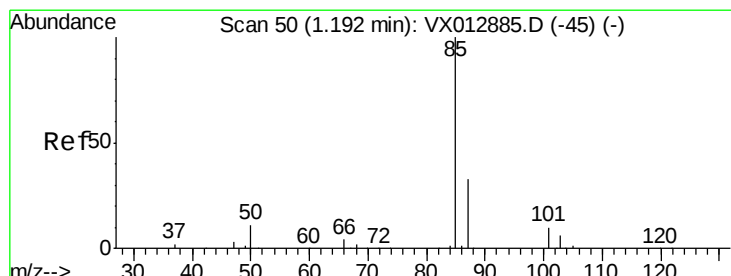
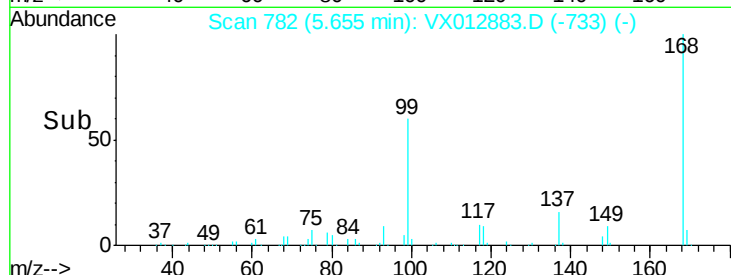
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 4.537 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012883.D

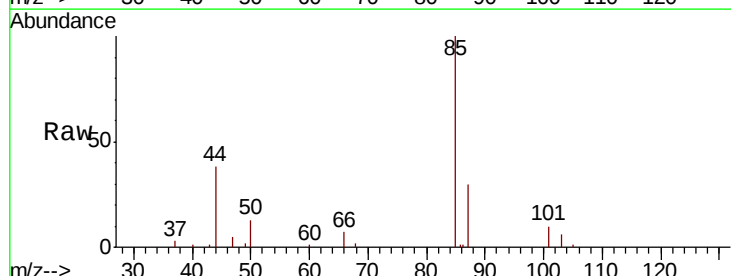
Acq: 08 Oct 2019 11:27

Tgt Ion: 85 Resp: 9653

Ion Ratio Lower Upper

85 100

87 29.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

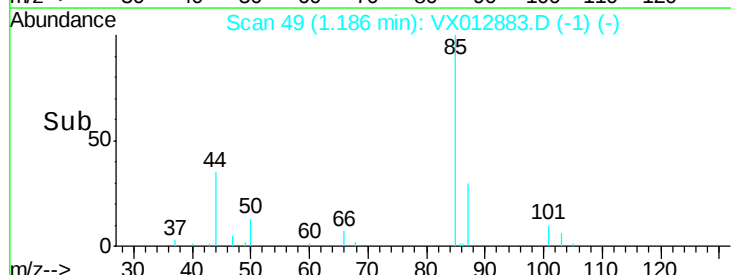
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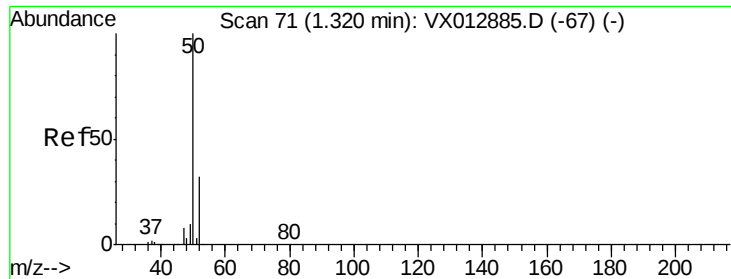
4000

2000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 4.485 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10777

Ion Ratio Lower Upper

50 100

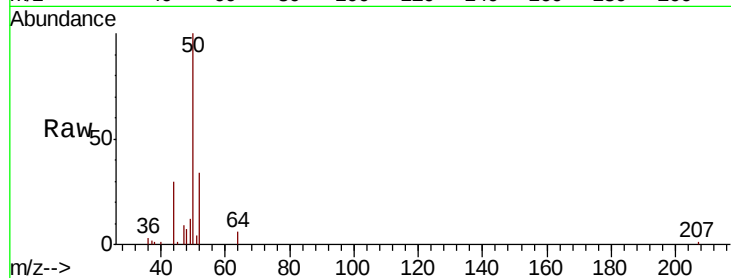
52 34.1 25.2 37.8

Manual Integrations

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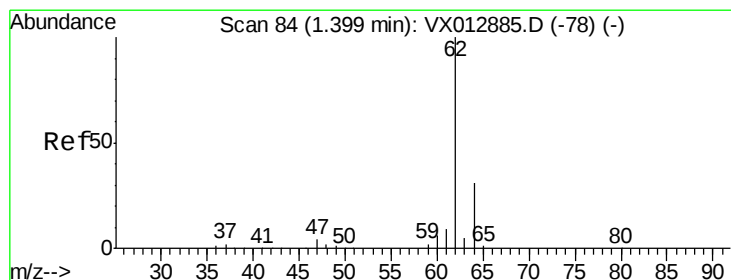
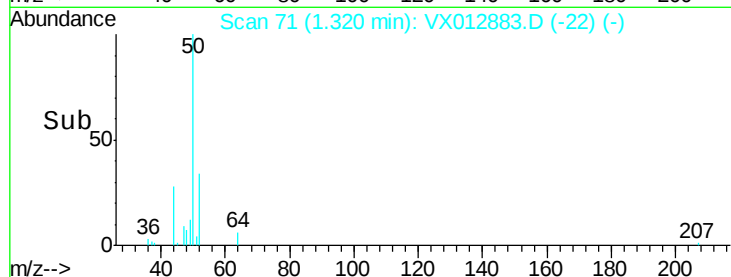
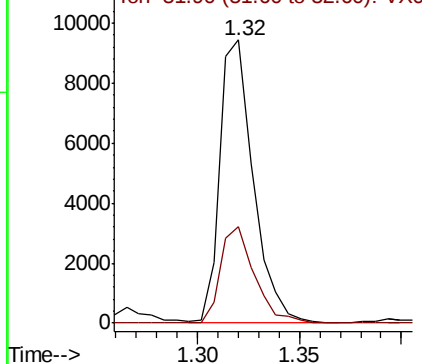
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.611 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012883.D

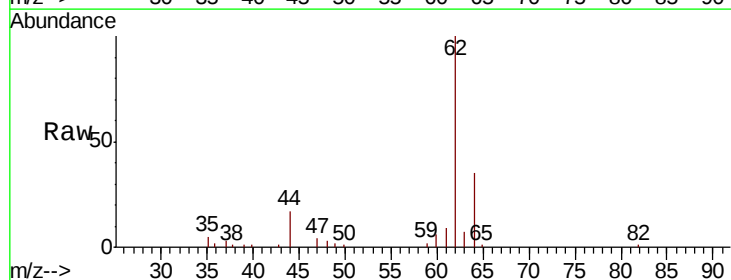
Acq: 08 Oct 2019 11:27

Tgt Ion: 62 Resp: 11054

Ion Ratio Lower Upper

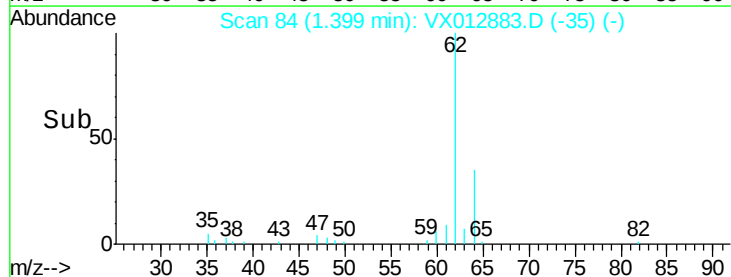
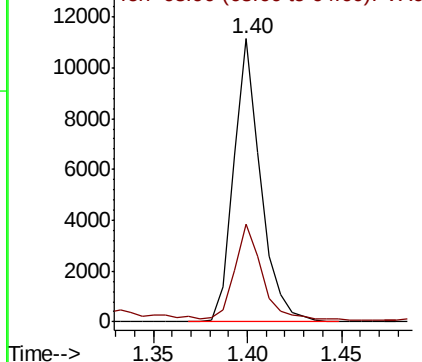
62 100

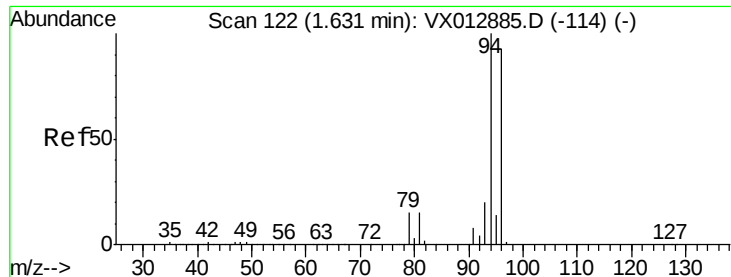
64 33.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 4.985 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 4736

Ion Ratio Lower Upper

94 100

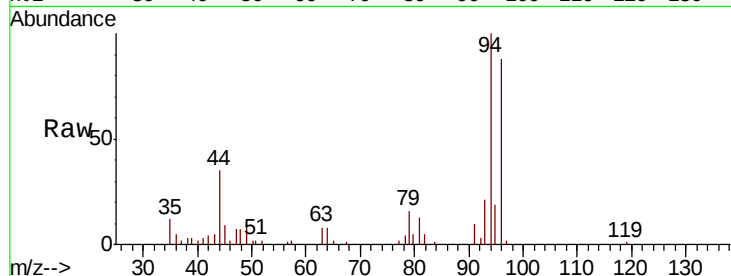
96 88.1 74.7 112.1

Manual Integrations

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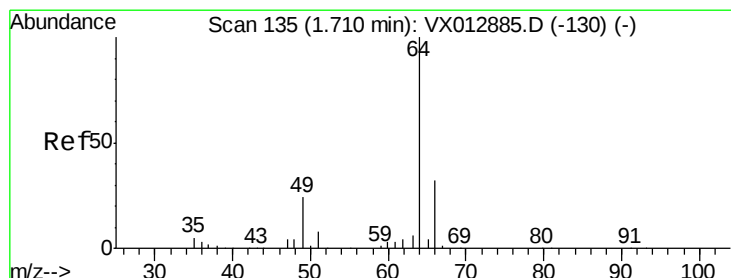
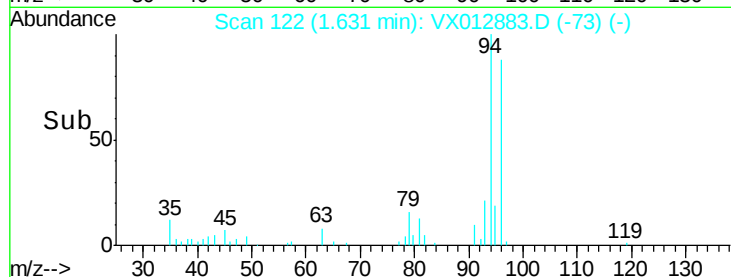
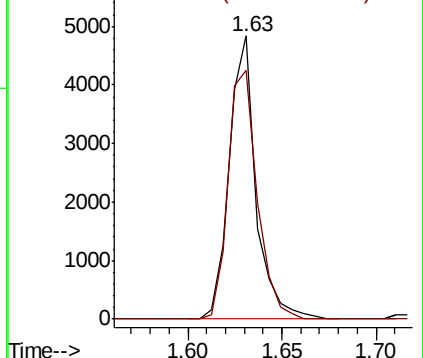
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.760 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012883.D

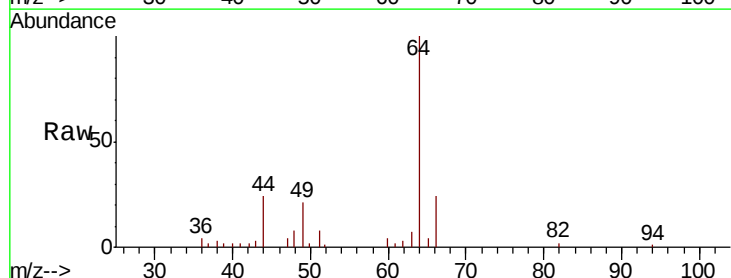
Acq: 08 Oct 2019 11:27

Tgt Ion: 64 Resp: 7631

Ion Ratio Lower Upper

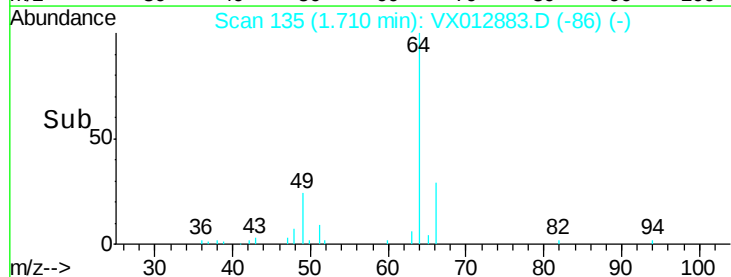
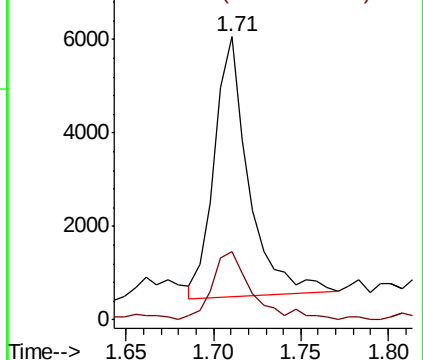
64 100

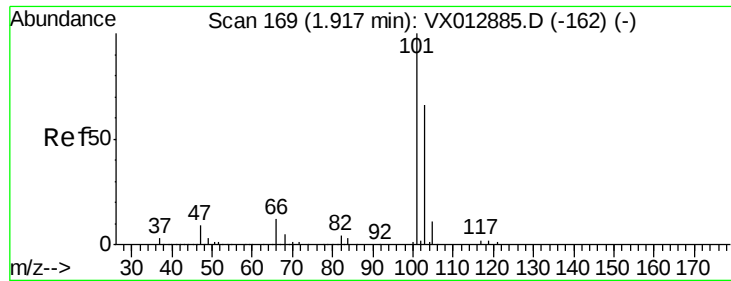
66 27.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

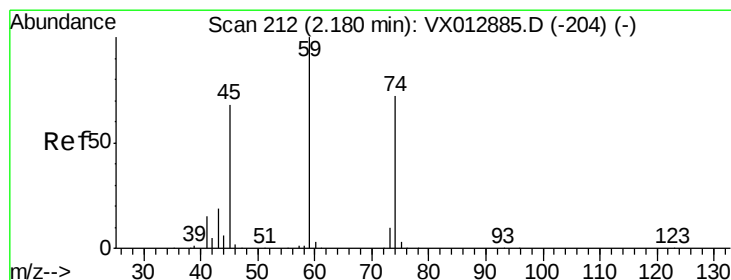
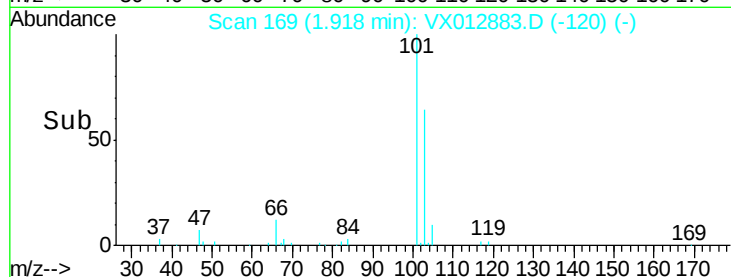
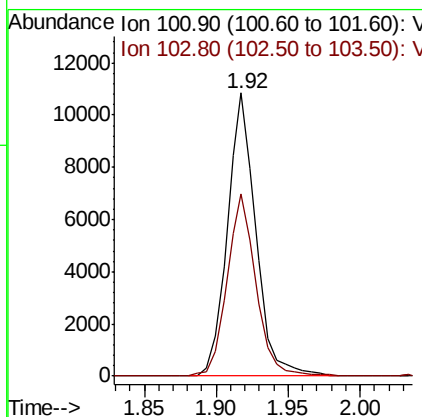
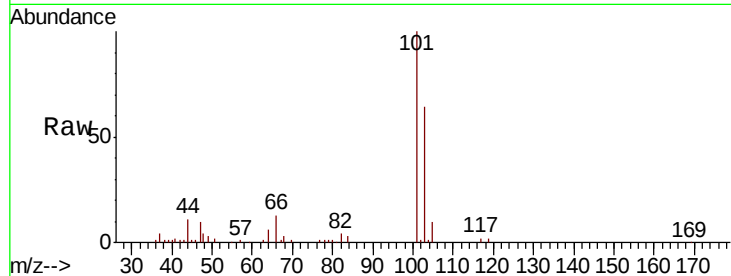
Trichlorofluoromethane
Concen: 4.472 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.5	78.7

Manual Integrations
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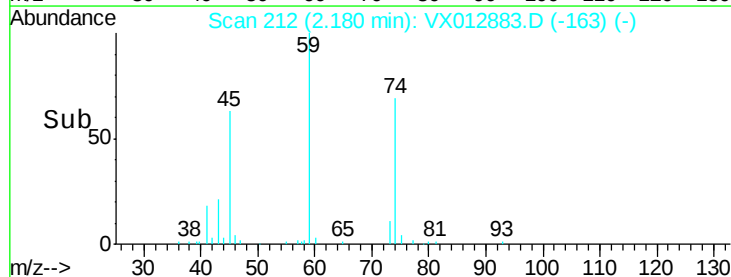
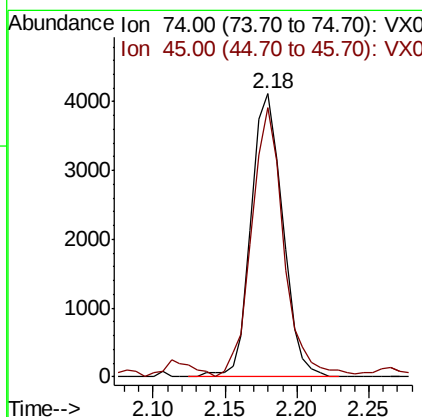
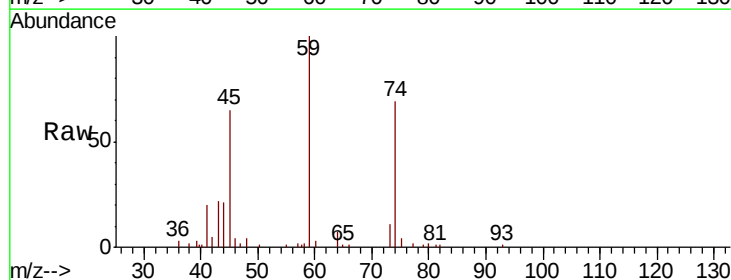
MMDadoda
10/9/2019 10:37:09 AM

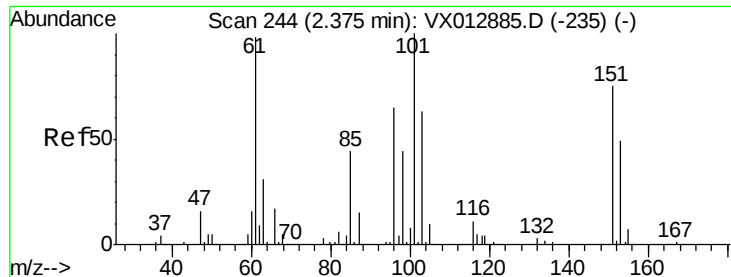


#8

Diethyl Ether
Concen: 4.565 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.915 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

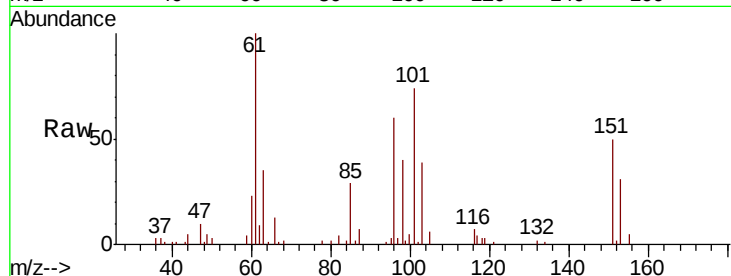
ClientSampleId :

VSTDIC005

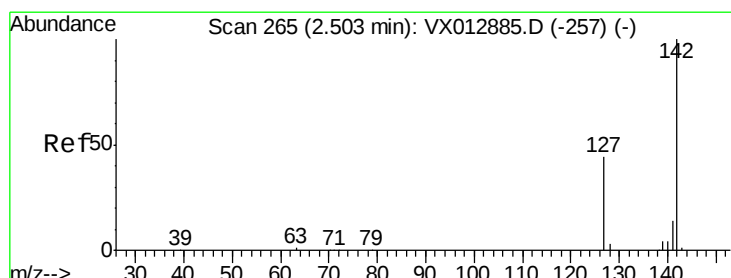
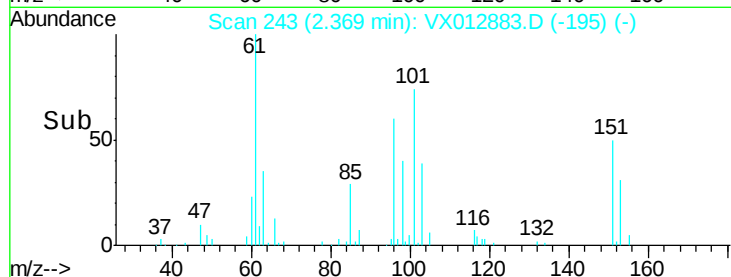
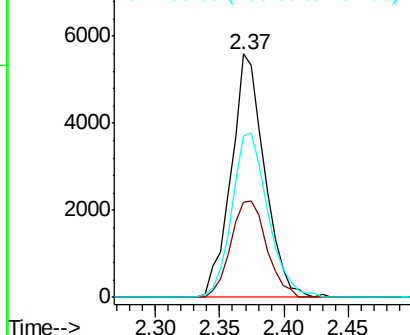
Tot Ion:	101	Resp:	10112
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.2	52.8
151	72.6	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.022 ug/l

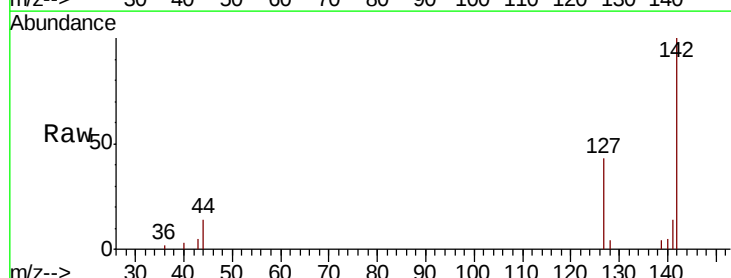
RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

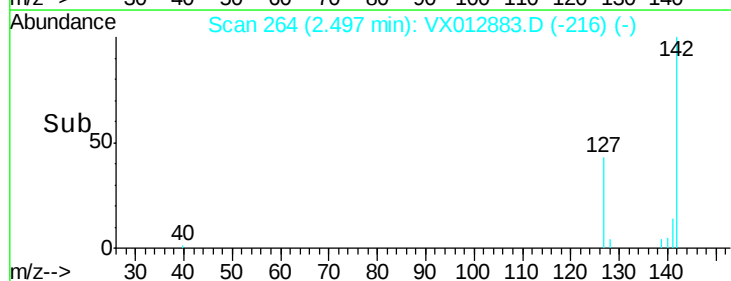
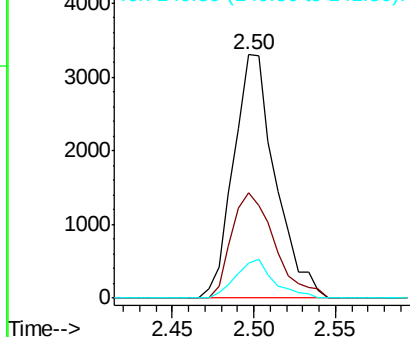
Lab File: VX012883.D

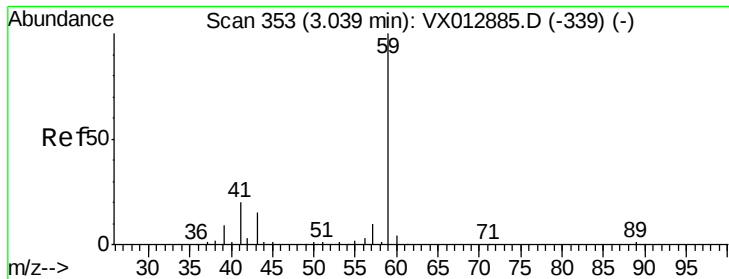
Acq: 08 Oct 2019 11:27

Tgt Ion:	142	Resp:	5907
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.9	52.3
141	14.3	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

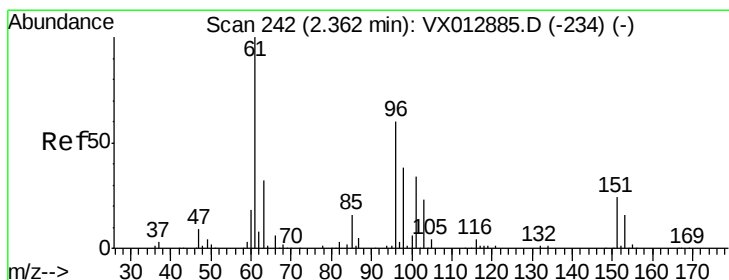
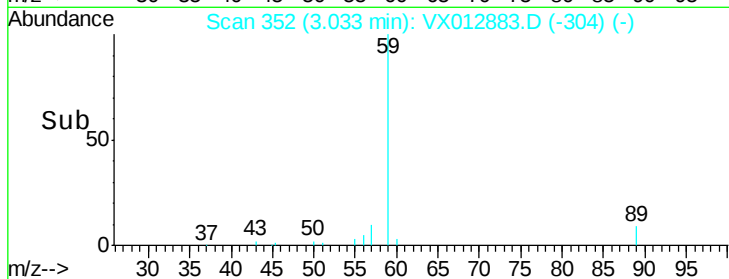
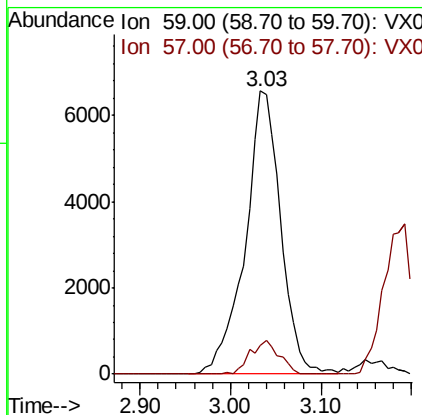
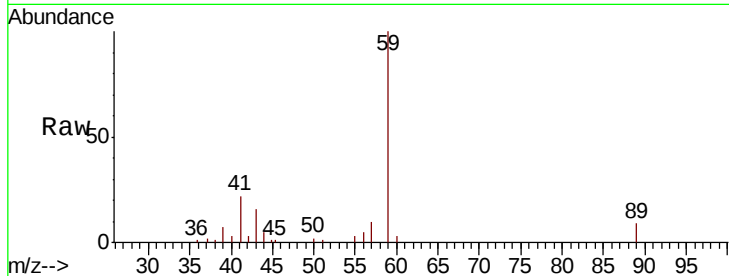
Tert butyl alcohol
Concen: 26.530 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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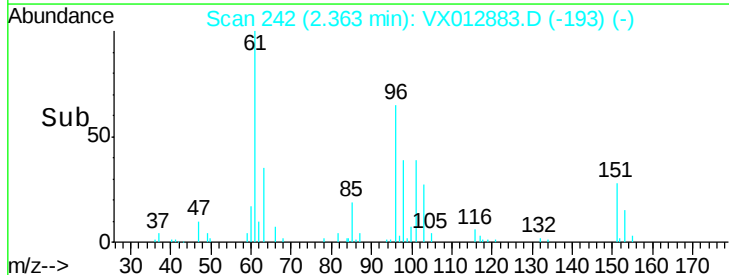
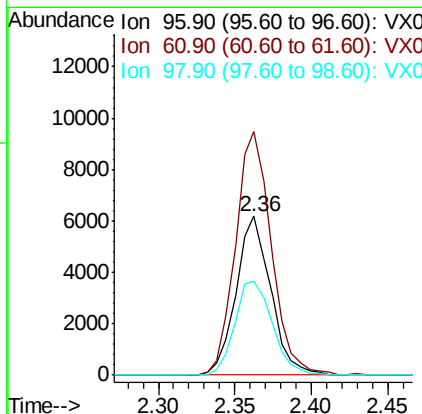
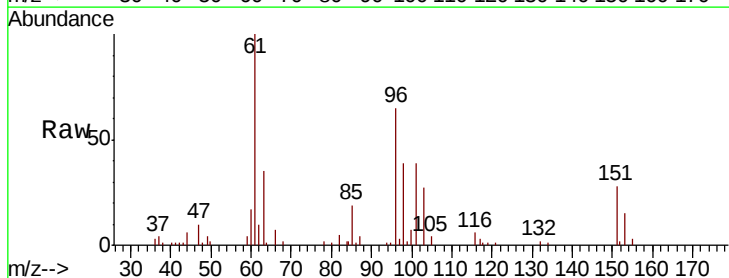
MMDadoda
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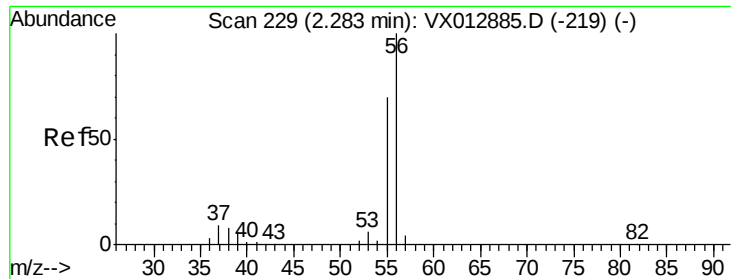


#12

1,1-Dichloroethene
Concen: 4.816 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	132.2	198.4
98	59.2	50.5	75.7





#13

Acrolein

Concen: 30.948 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11473

Ion Ratio Lower Upper

56 100

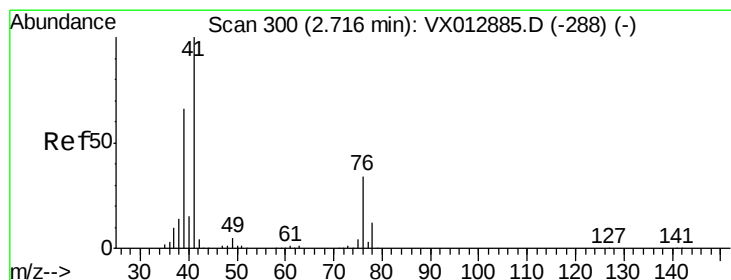
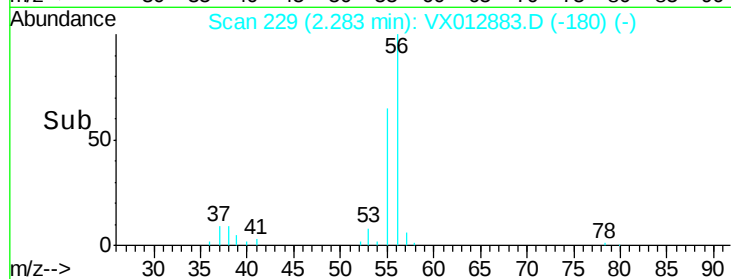
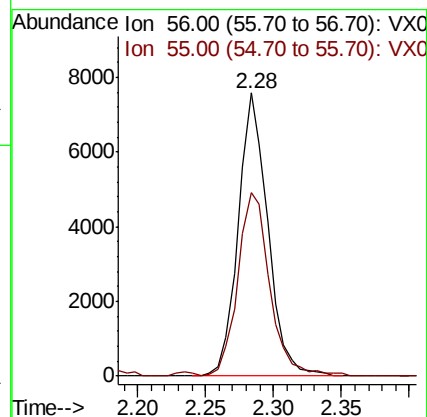
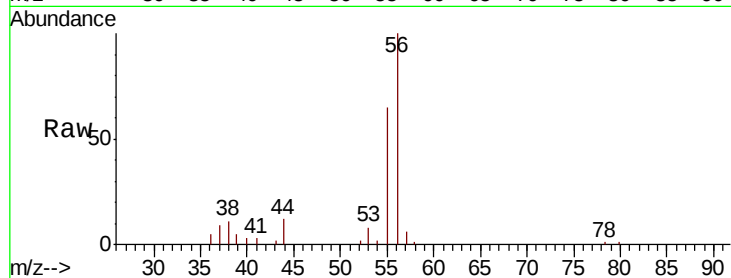
55 70.6 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 4.333 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

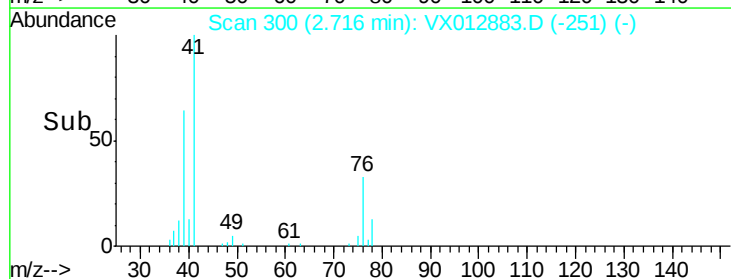
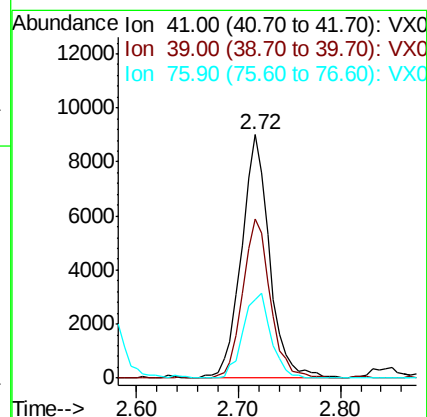
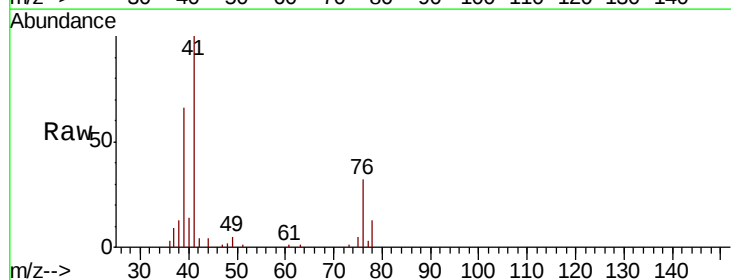
Tgt Ion: 41 Resp: 17120

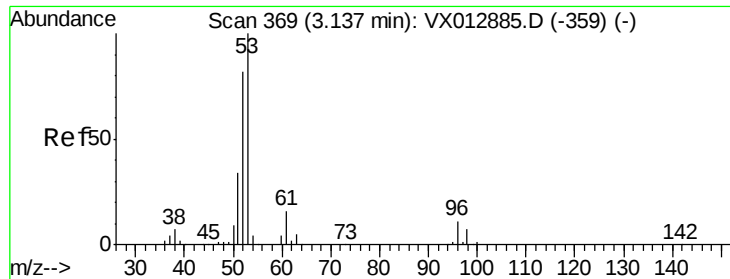
Ion Ratio Lower Upper

41 100

39 64.0 51.0 76.6

76 34.1 26.2 39.4





#15

Acrylonitrile

Concen: 22.346 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

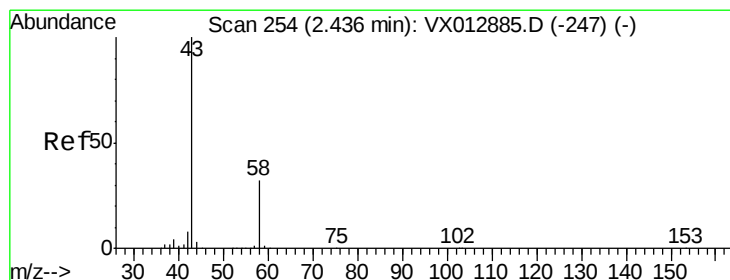
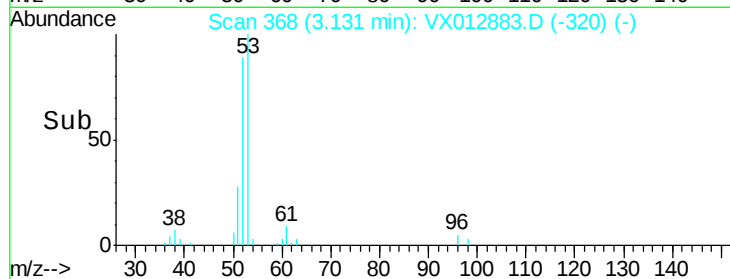
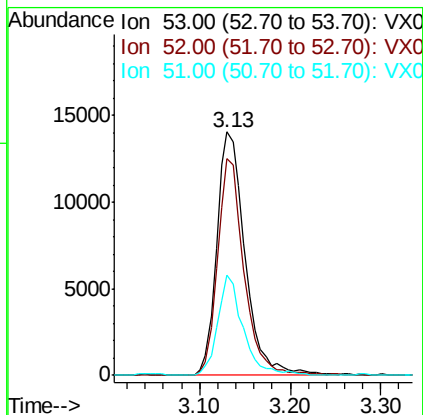
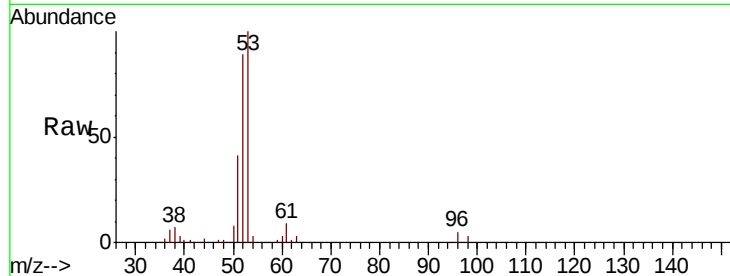
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	30565
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	37.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 23.204 ug/l

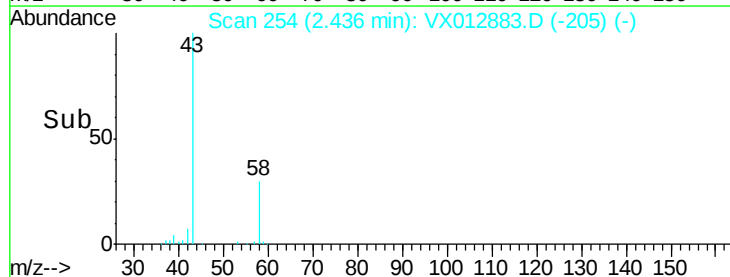
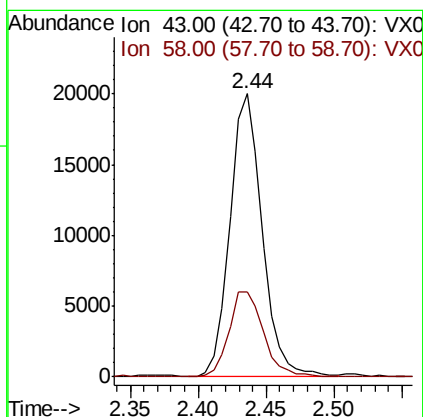
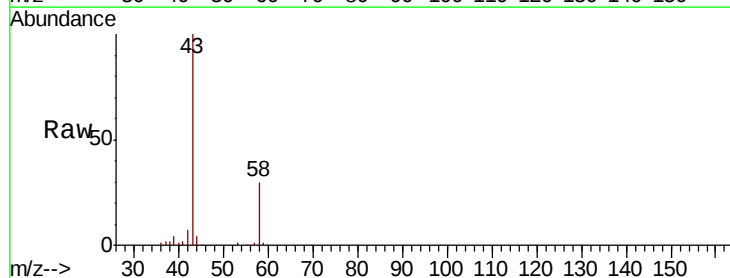
RT: 2.44 min Scan# 254

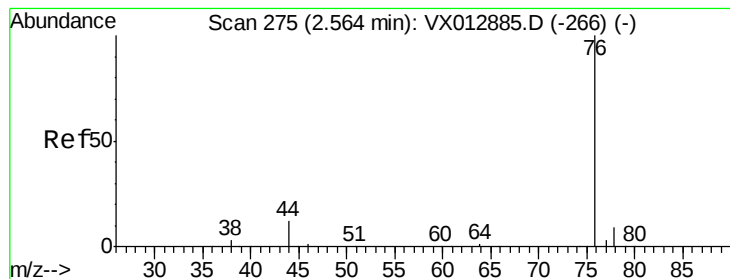
Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	43	Resp:	33090
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.4	38.2





#17

Carbon Disulfide

Concen: 4.440 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 25111

Ion Ratio Lower Upper

76 100

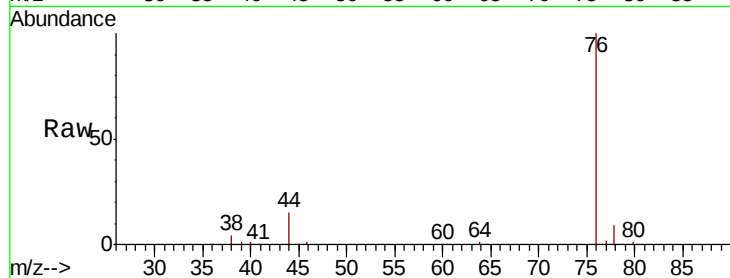
78 9.0 7.1 10.7

Manual Integrations

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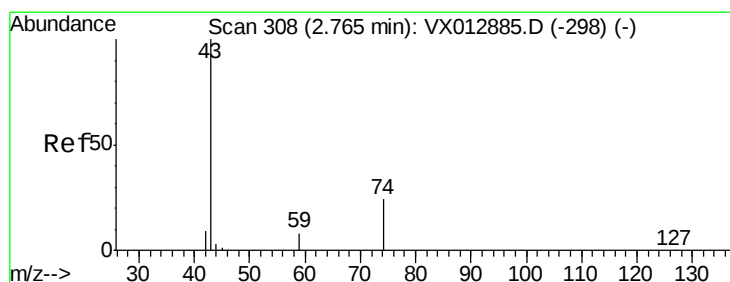
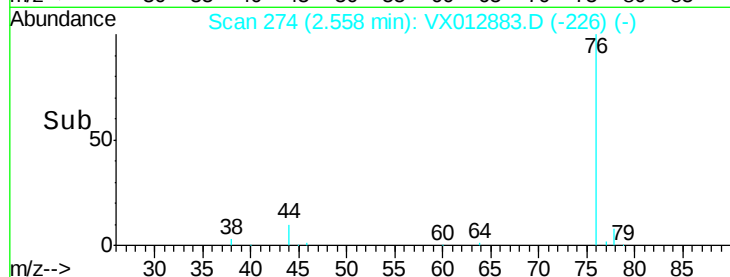
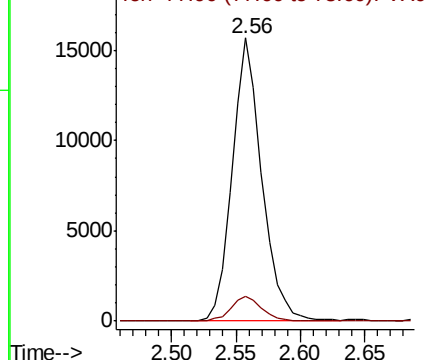
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.673 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012883.D

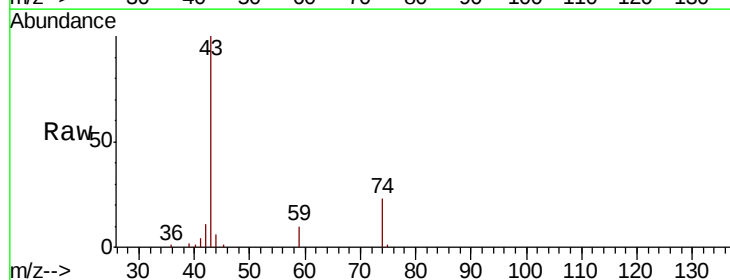
Acq: 08 Oct 2019 11:27

Tgt Ion: 43 Resp: 15746

Ion Ratio Lower Upper

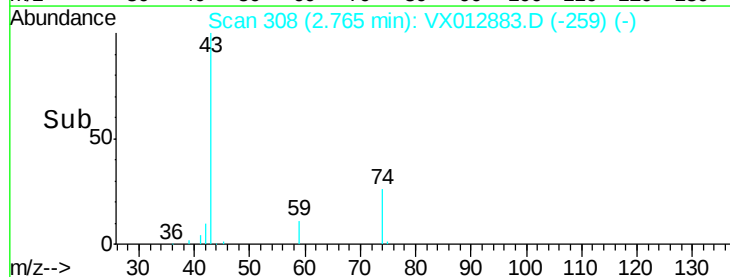
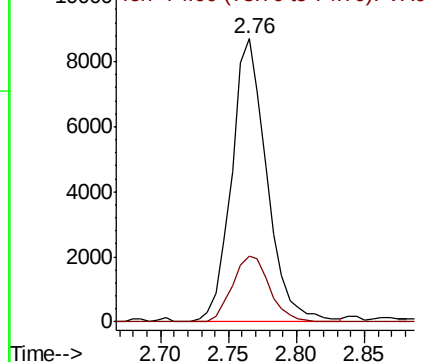
43 100

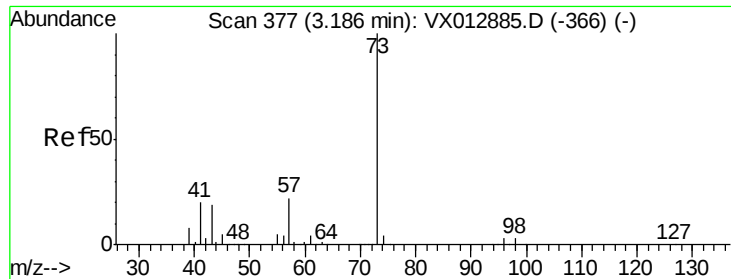
74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





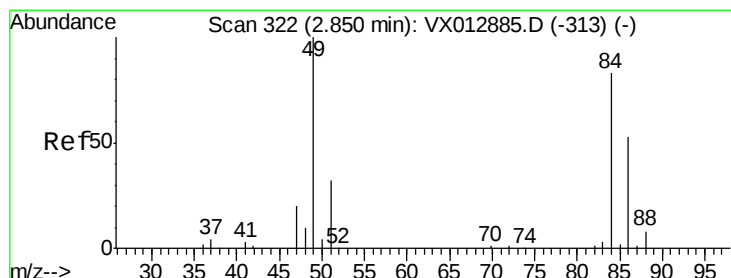
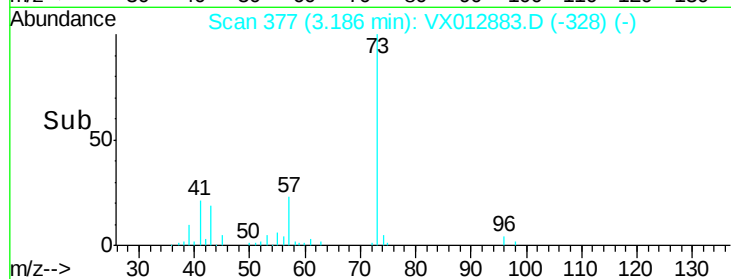
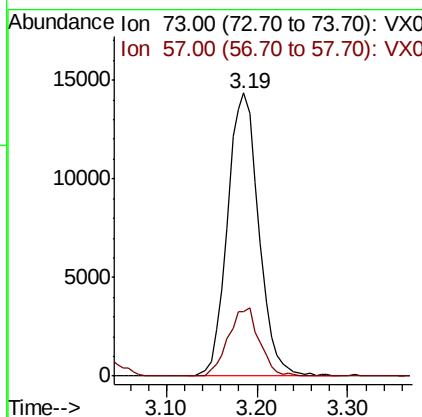
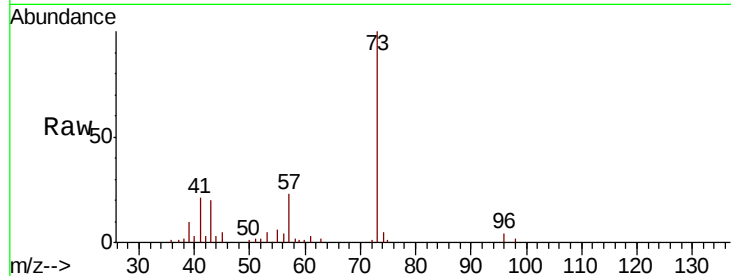
#19
Methyl tert-butyl Ether
Concen: 4.534 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 34277
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.6

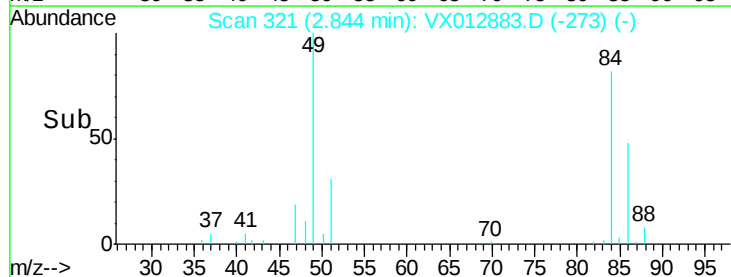
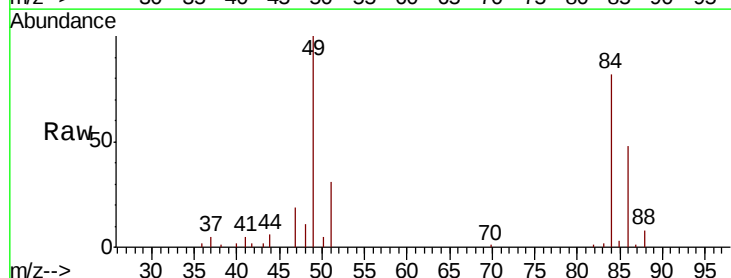
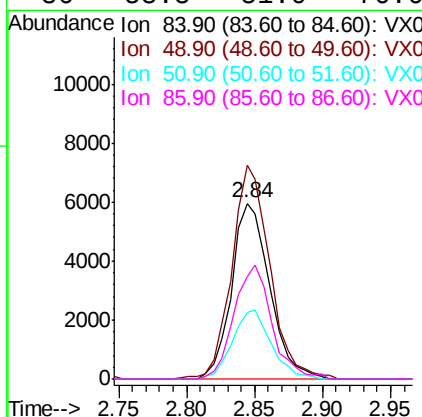
Manual Integrations
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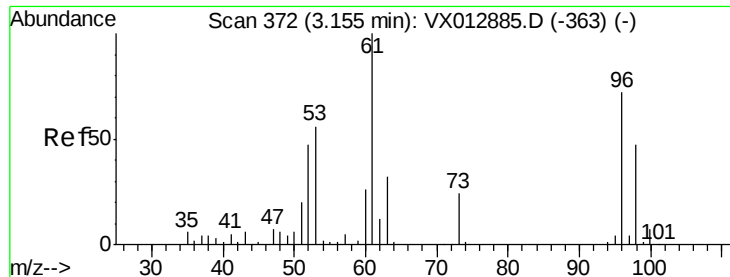
MMDadoda
10/9/2019 10:37:09 AM



#20
Methylene Chloride
Concen: 4.747 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 84 Resp: 11598
Ion Ratio Lower Upper
84 100
49 121.6 96.6 144.8
51 38.1 30.7 46.1
86 58.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 4.708 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 10487

Ion Ratio Lower Upper

96 100

61 124.2 110.4 165.6

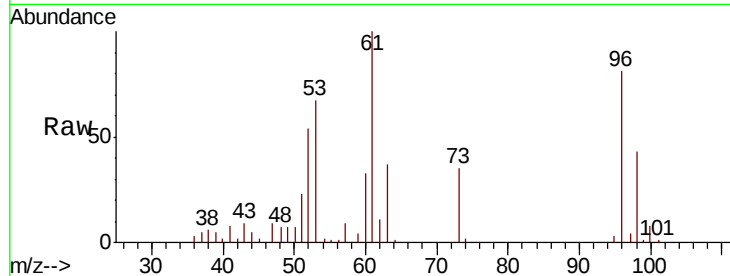
98 53.3 51.5 77.3

Manual Integrations

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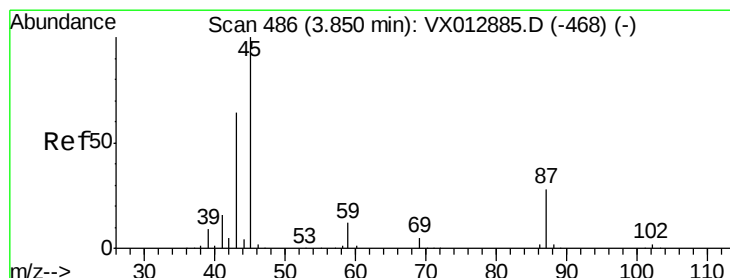
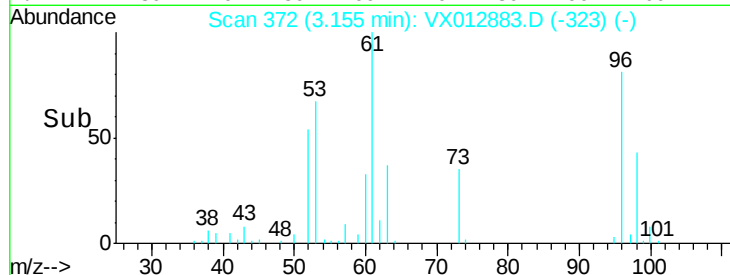
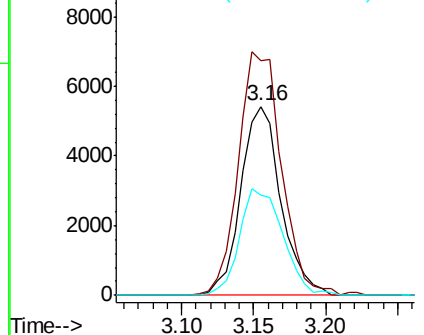
10/9/2019 10:37:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 4.534 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion: 45 Resp: 34635

Ion Ratio Lower Upper

45 100

43 78.5 51.4 77.0#

87 25.7 22.5 33.7

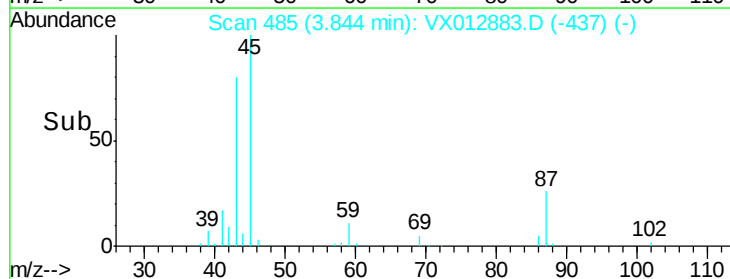
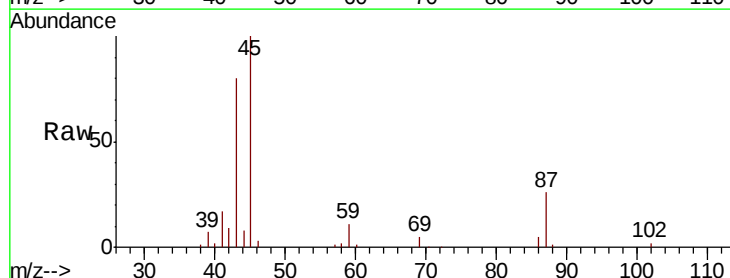
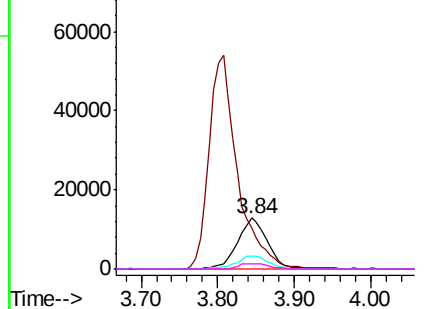
59 10.7 9.7 14.5

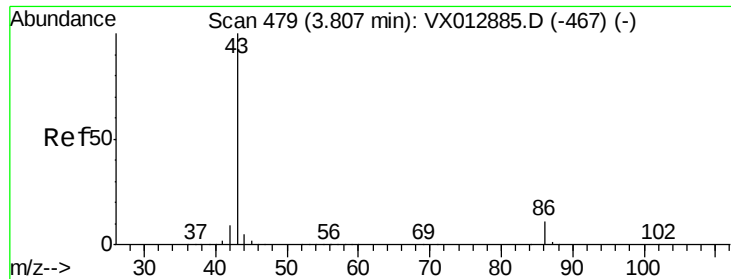
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 21.103 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 140897

Ion Ratio Lower Upper

43 100

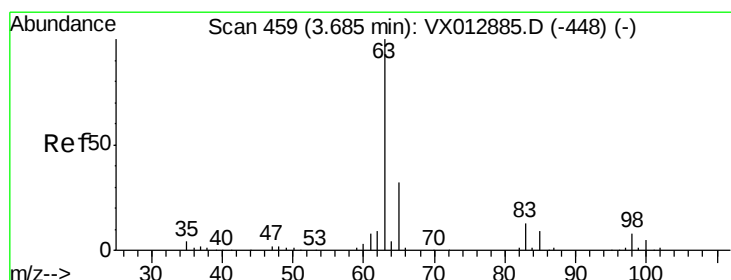
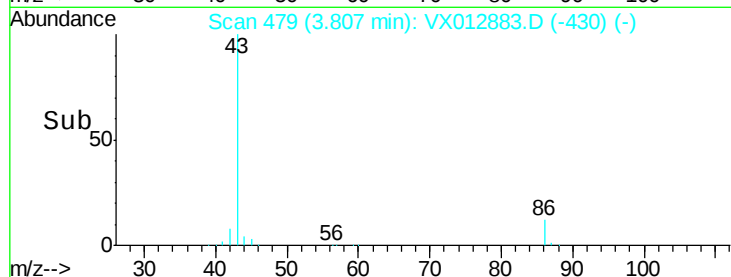
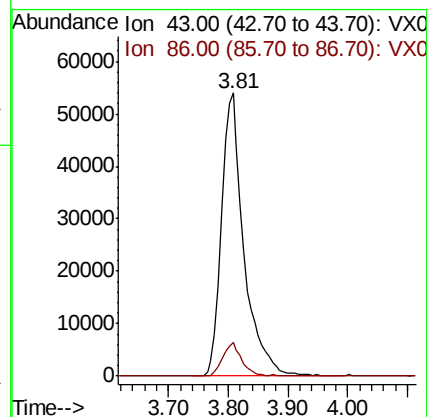
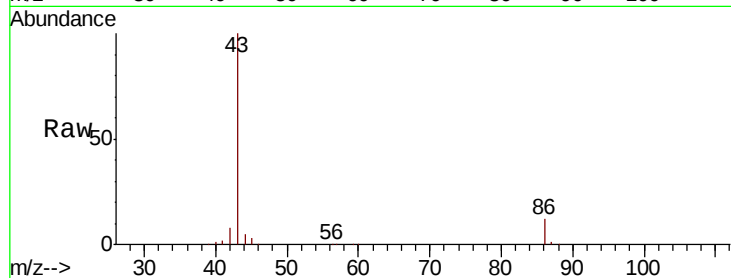
86 11.7 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.487 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

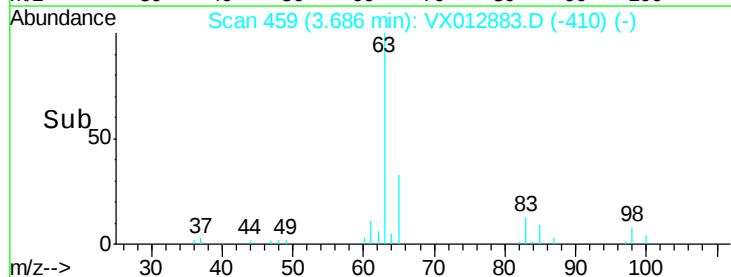
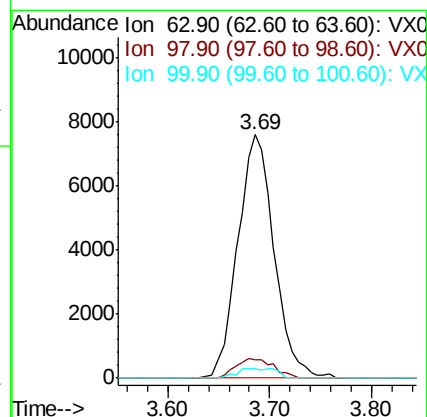
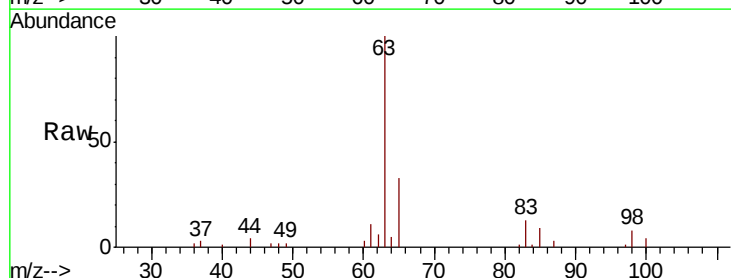
Tgt Ion: 63 Resp: 18670

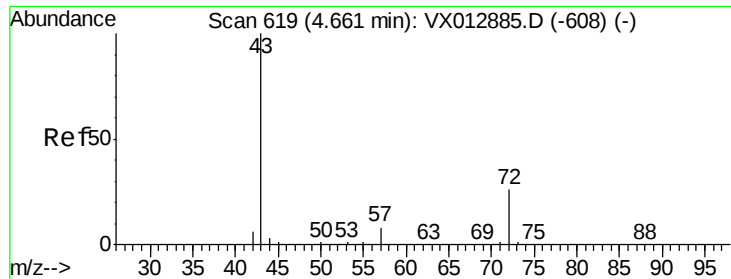
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.0 2.3 6.9





#25

2-Butanone

Concen: 22.511 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45934

Ion Ratio Lower Upper

43 100

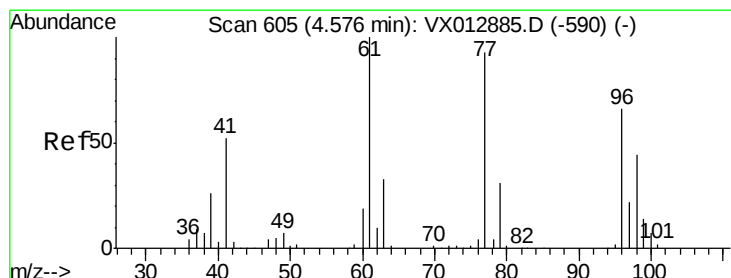
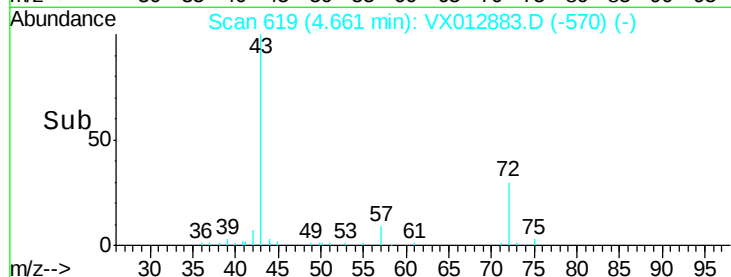
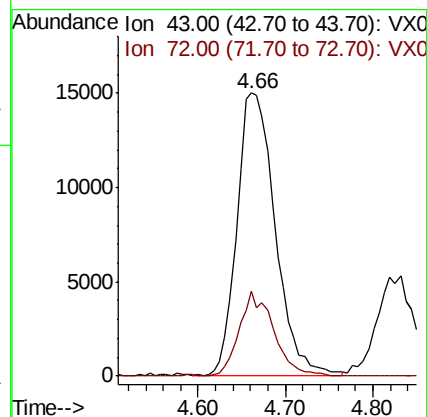
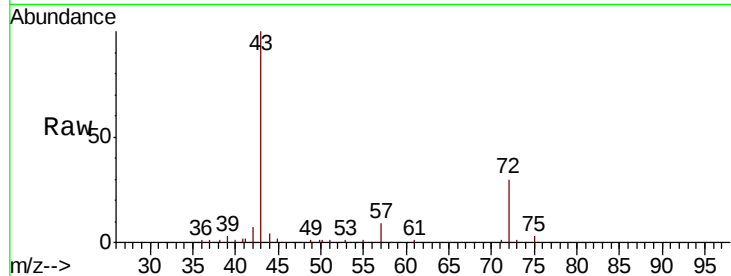
72 30.2 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 4.243 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012883.D

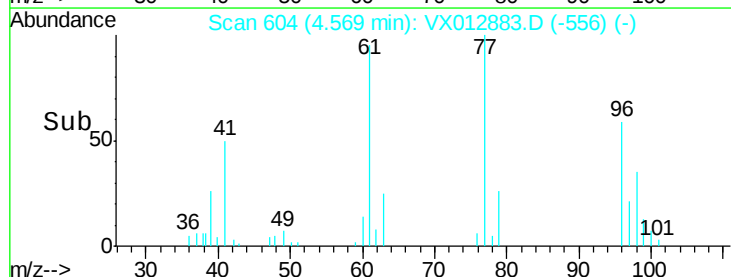
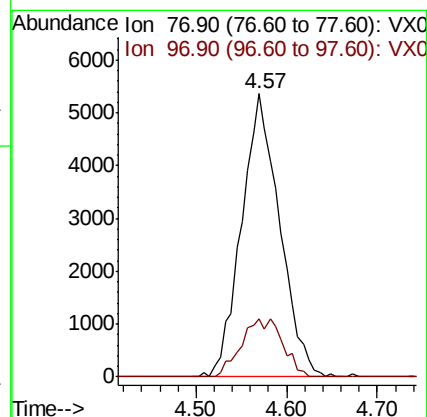
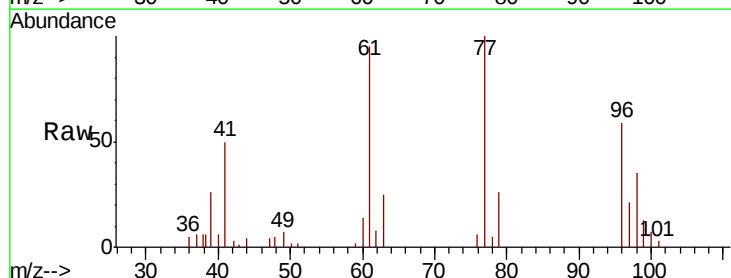
Acq: 08 Oct 2019 11:27

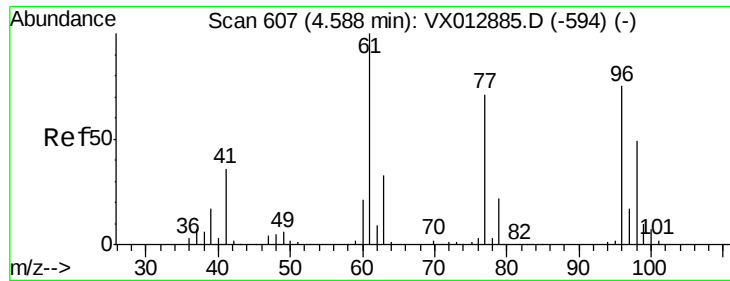
Tgt Ion: 77 Resp: 15626

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9





#27

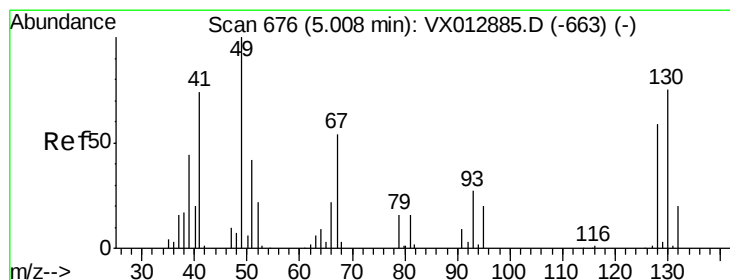
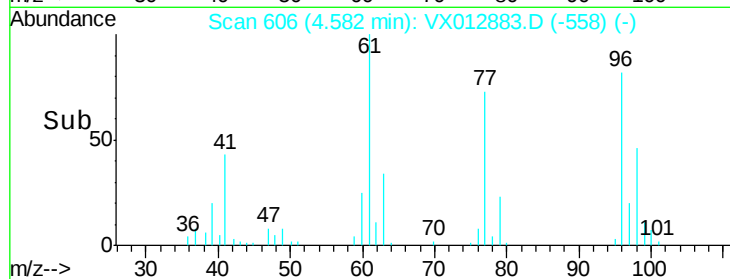
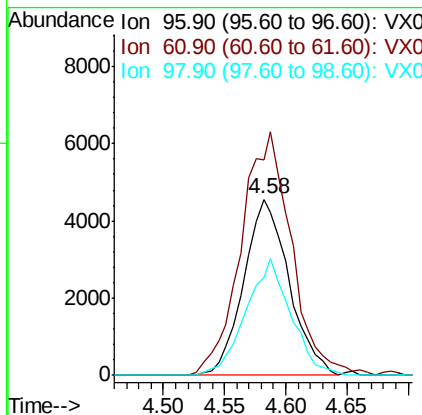
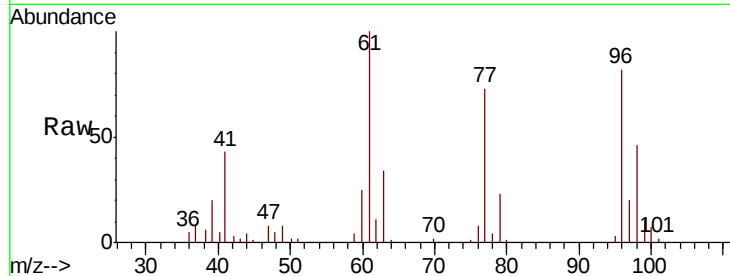
cis-1,2-Dichloroethene
Concen: 4.551 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	290.6
98	65.3	0.0	128.8

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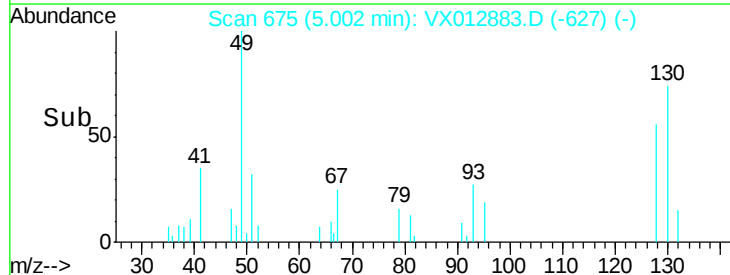
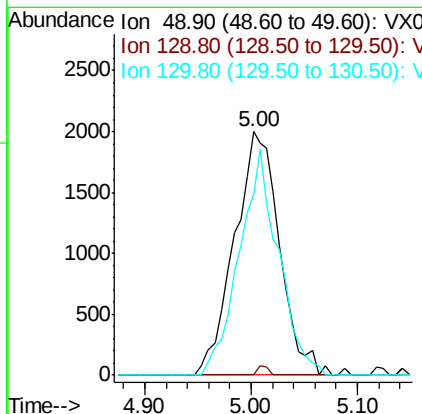
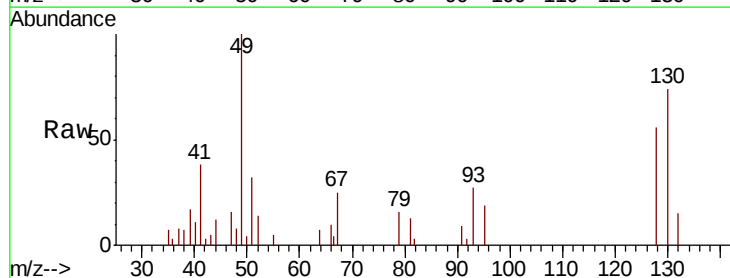
MMDadoda
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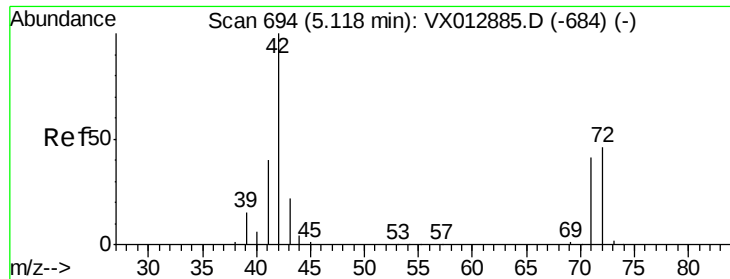


#28

Bromochloromethane
Concen: 4.011 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.2
130	80.6	62.1	93.1





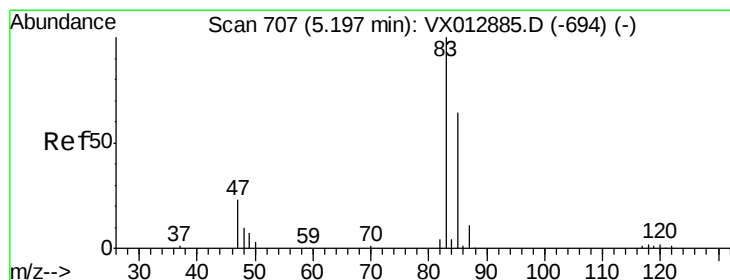
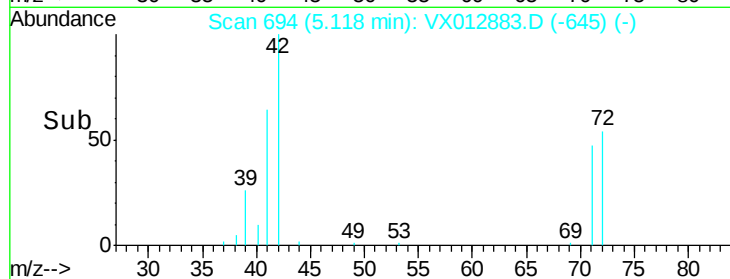
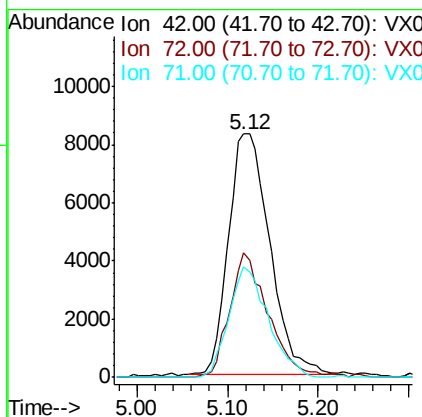
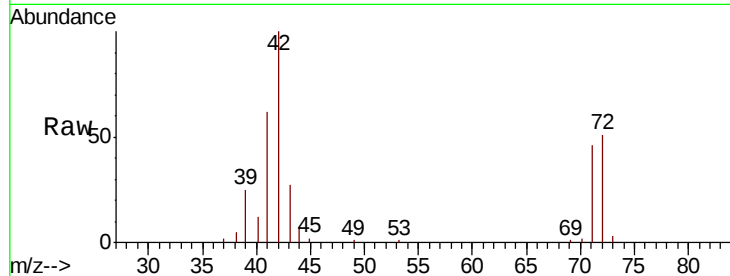
#29
Tetrahydrofuran
Concen: 21.030 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	36.9	55.3
71	43.8	33.5	50.3

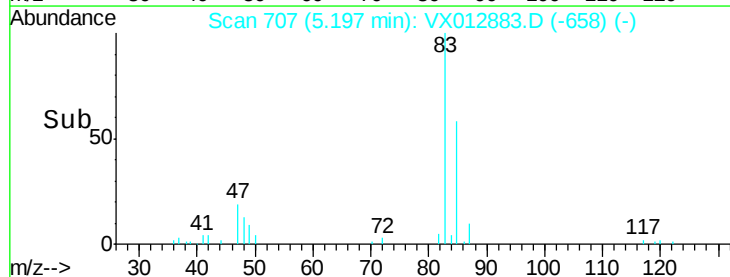
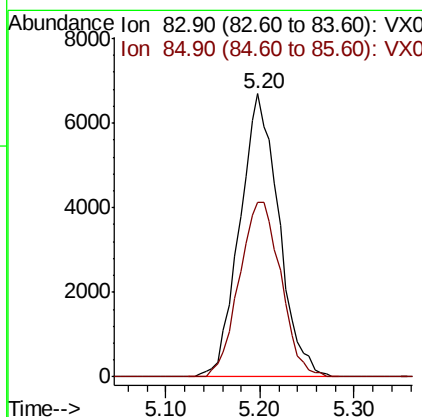
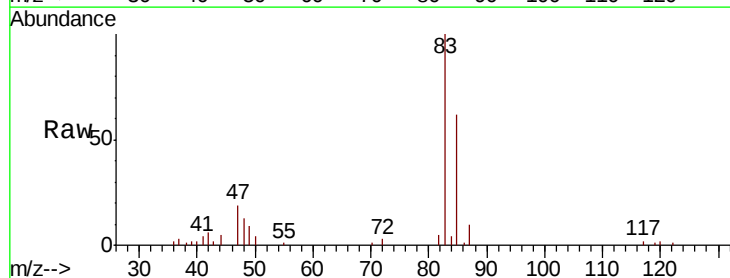
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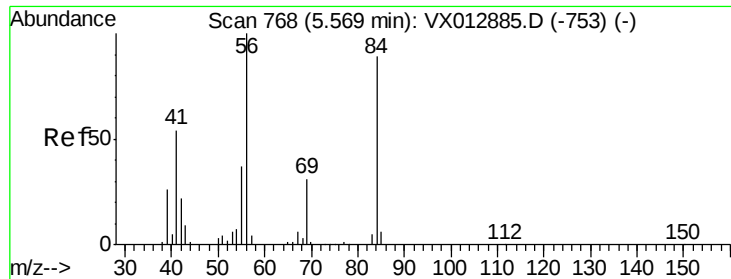
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#30
Chloroform
Concen: 4.545 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3





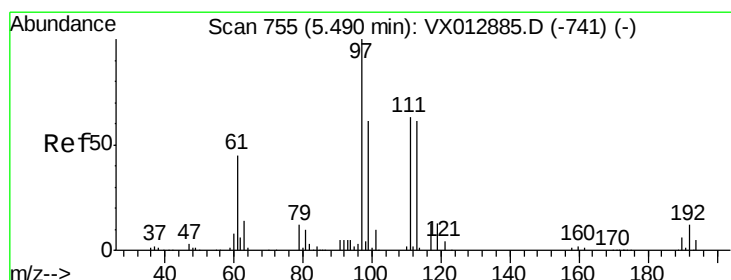
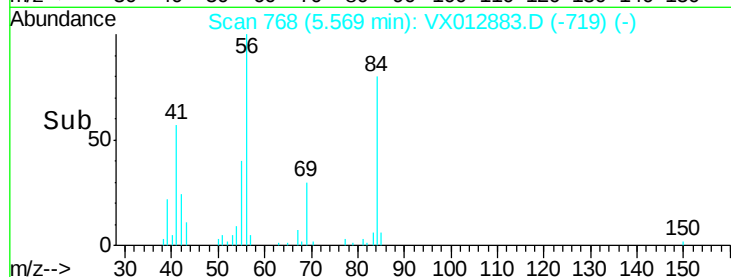
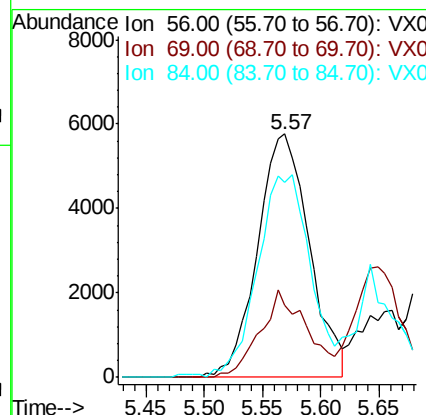
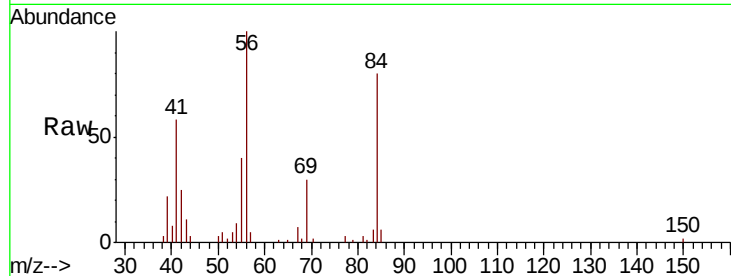
#31
Cyclohexane
Concen: 4.697 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.2	37.8
84	79.0	71.3	106.9

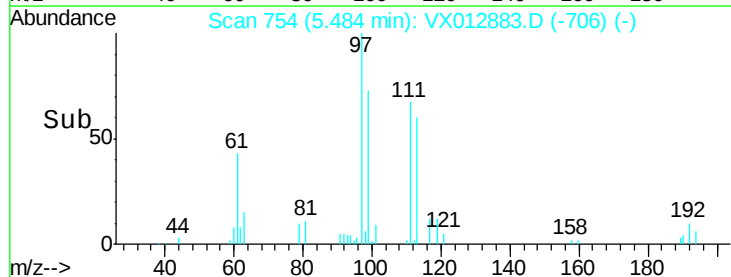
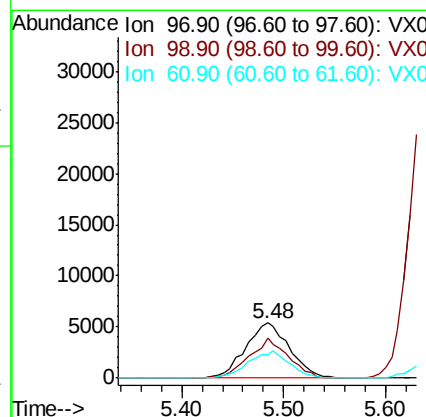
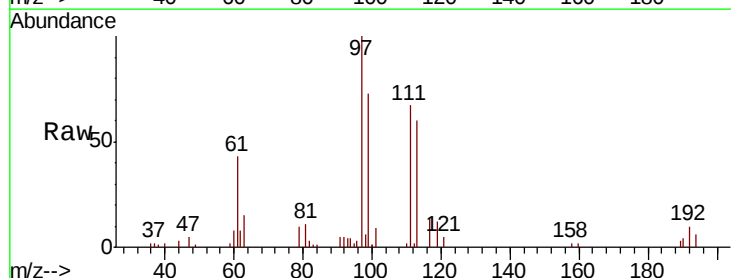
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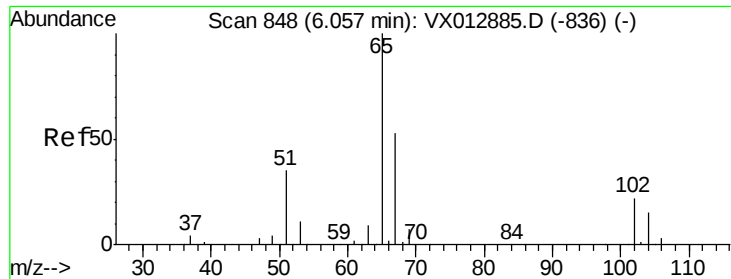
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#32
1,1,1-Trichloroethane
Concen: 4.292 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	46.2	35.0	52.4





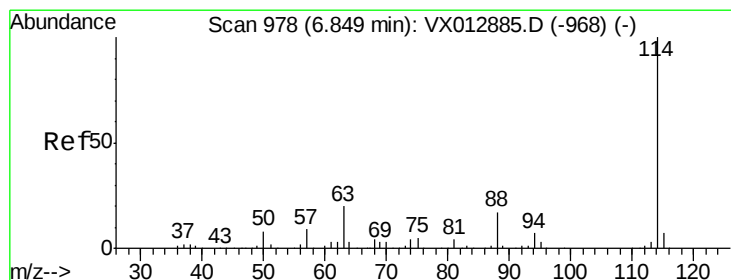
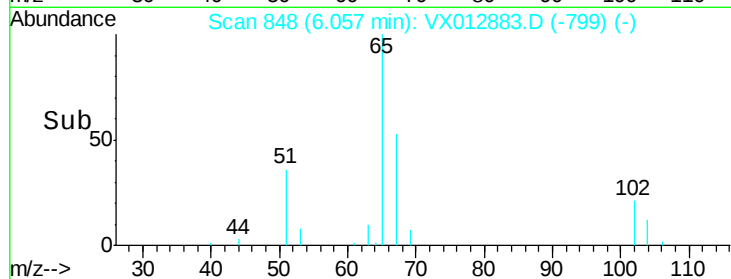
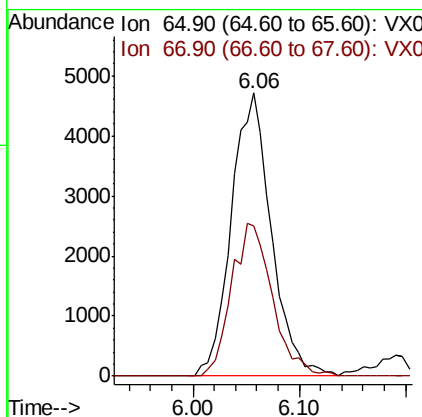
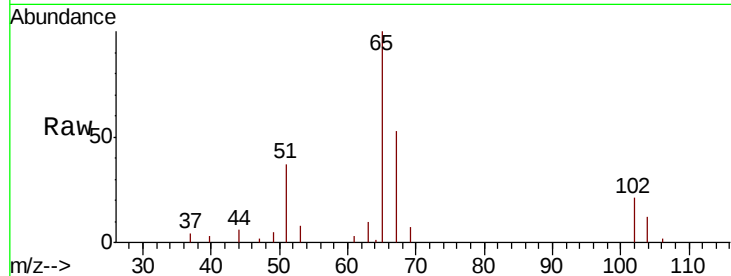
#33
 1,2-Dichloroethane-d4
 Concen: 4.603 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	104.4

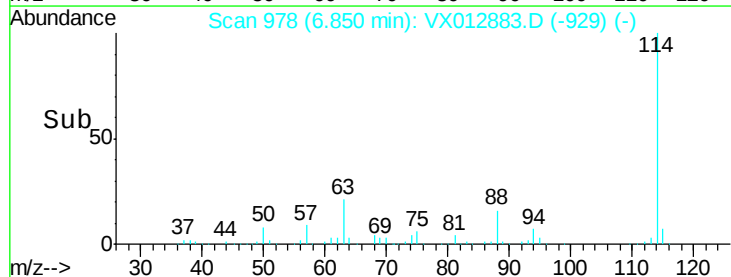
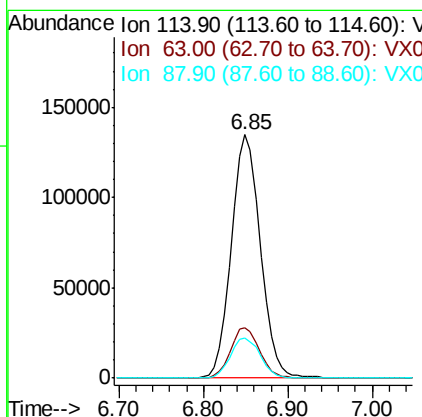
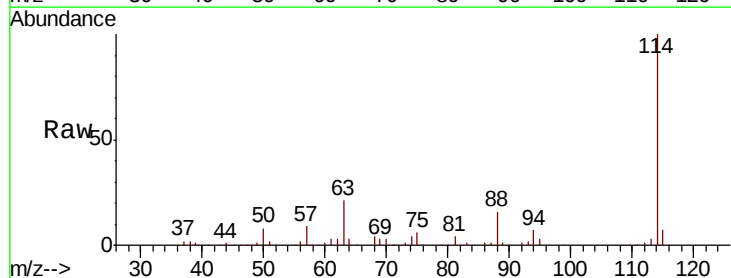
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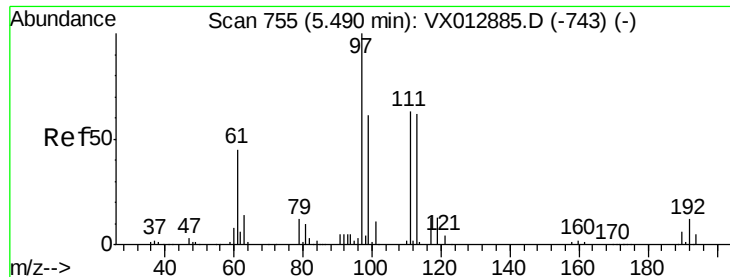
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	16.4	0.0	33.8





#35

Dibromofluoromethane

Concen: 4.889 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

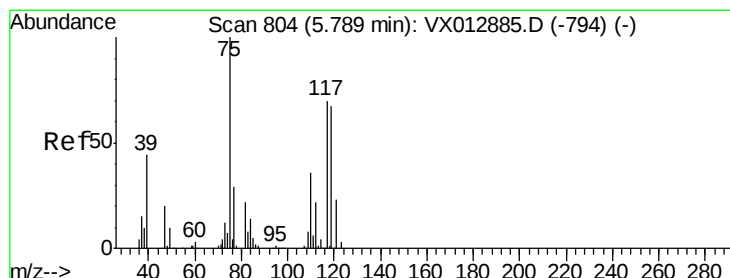
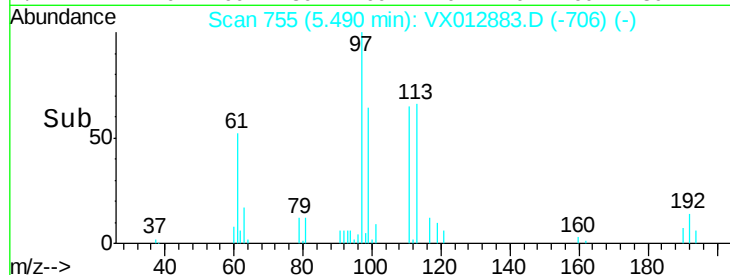
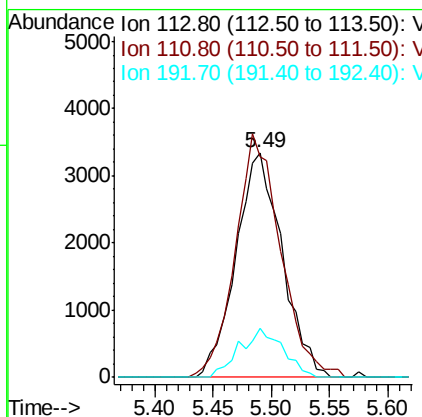
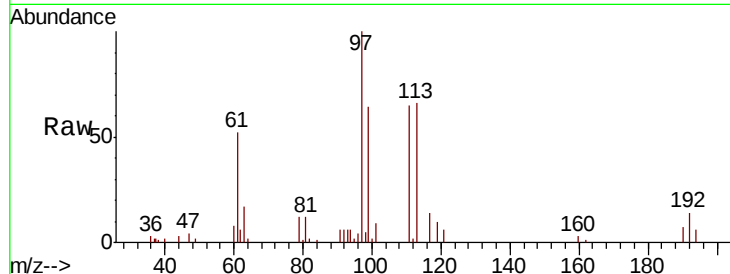
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	9225
Ion	Ratio	Lower	Upper
113	100		
111	105.9	83.2	124.8
192	20.4	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 4.603 ug/l

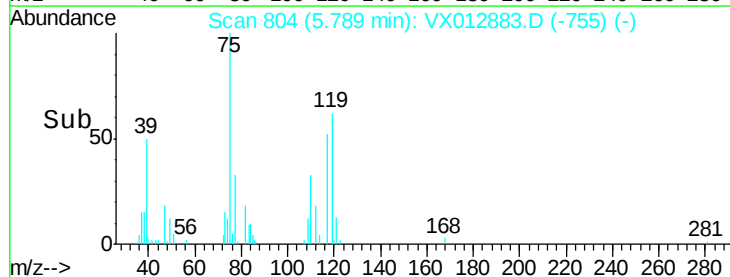
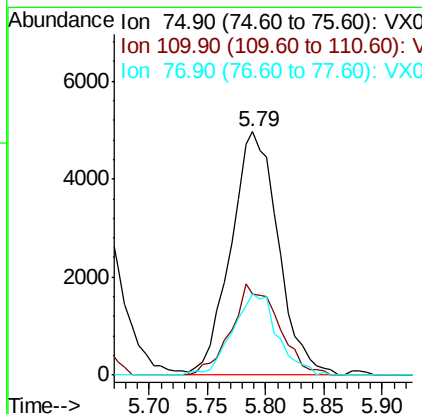
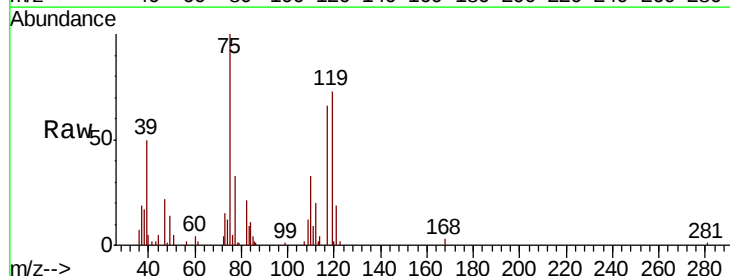
RT: 5.79 min Scan# 804

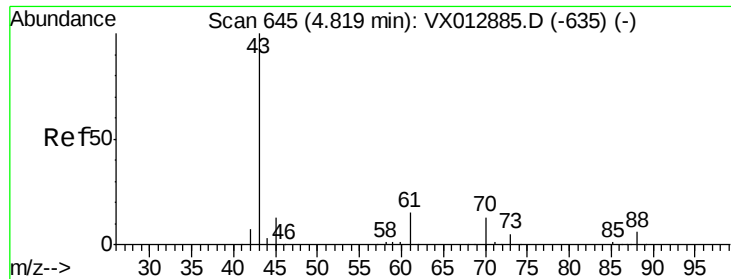
Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	75	Resp:	14048
Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.6	52.9
77	31.9	24.4	36.6





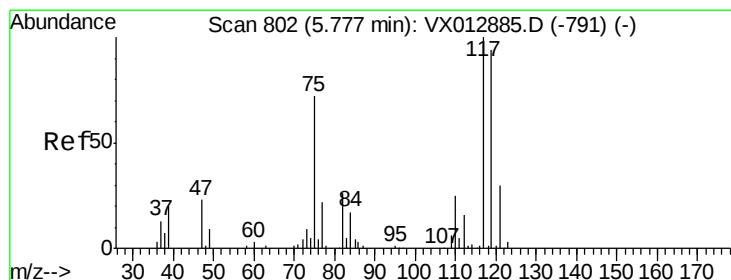
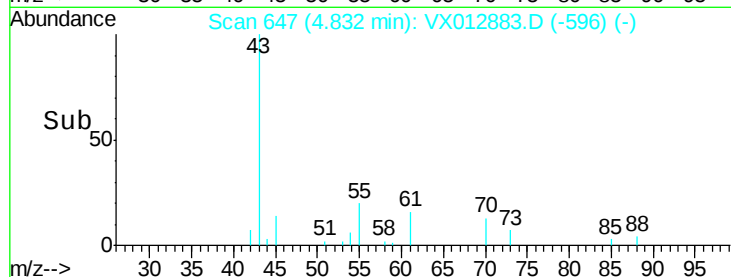
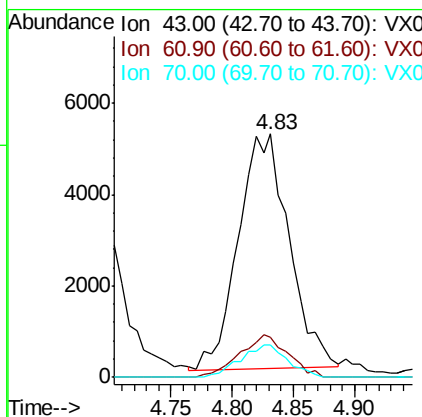
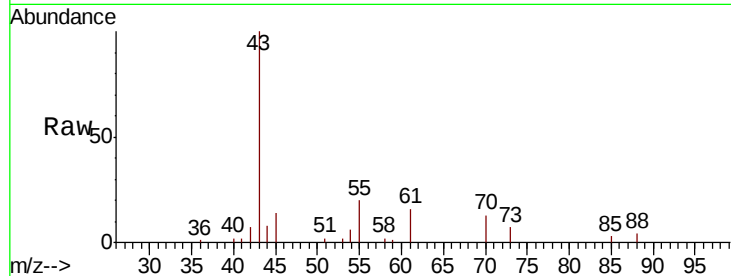
#37
Ethyl Acetate
Concen: 4.175 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.4	17.0#
70	13.0	9.8	14.6

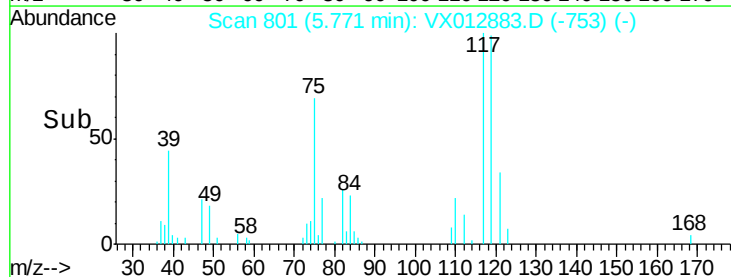
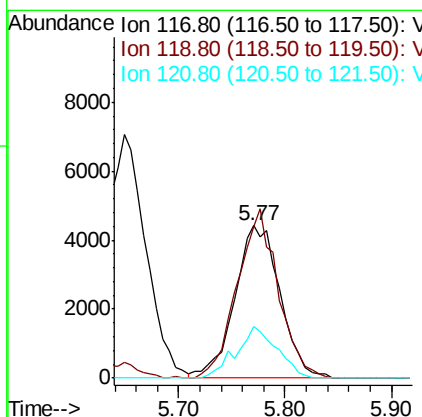
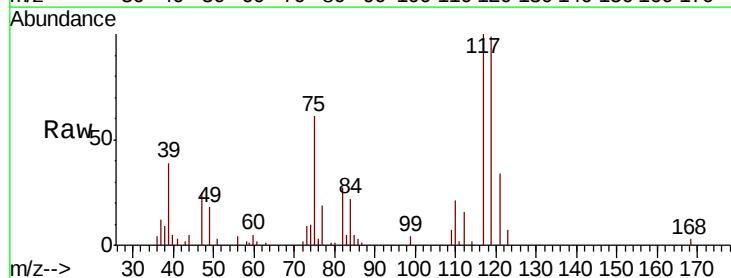
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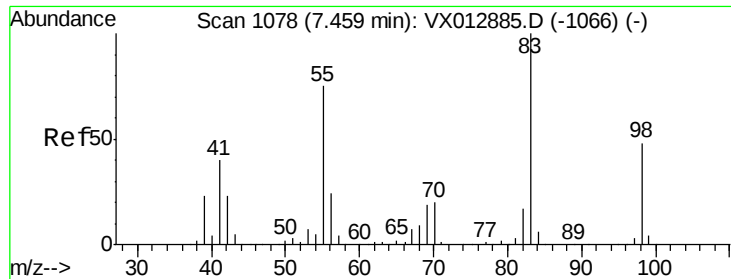
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#38
Carbon Tetrachloride
Concen: 4.303 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	74.5	111.7
121	34.1	24.2	36.4





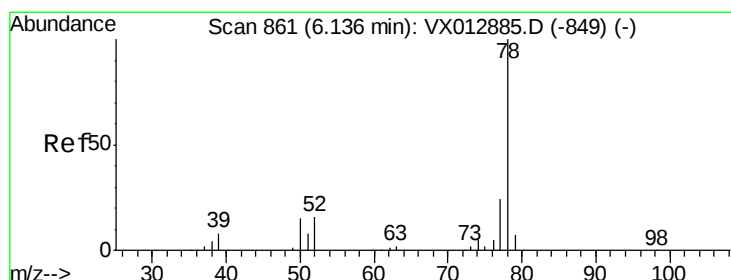
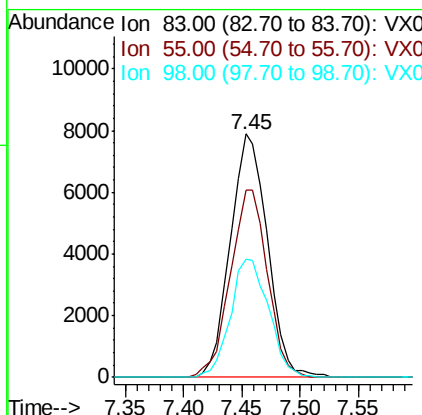
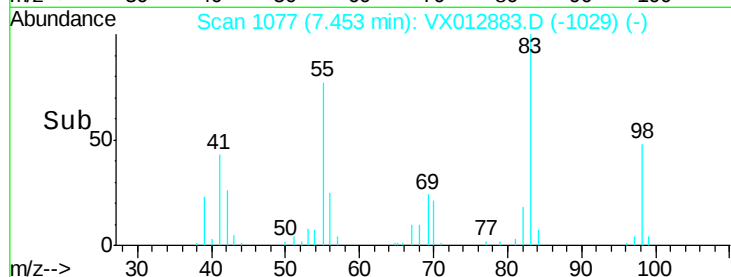
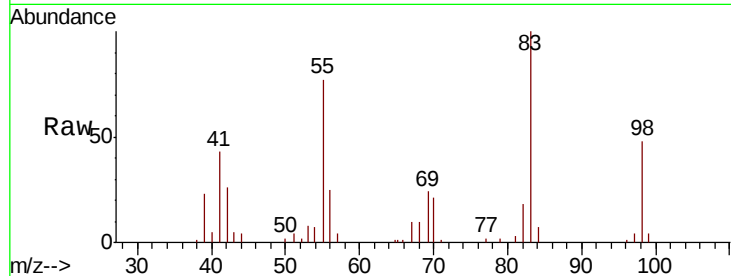
#39
Methvlcvclohexane
Concen: 4.738 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.2	90.4
98	48.5	38.5	57.7

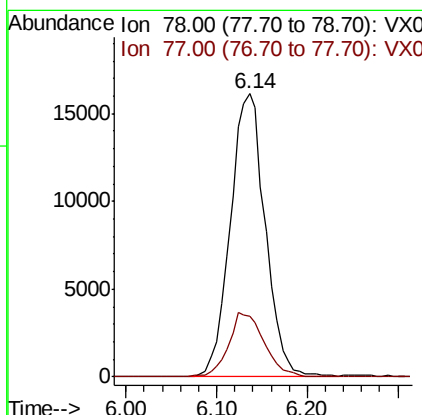
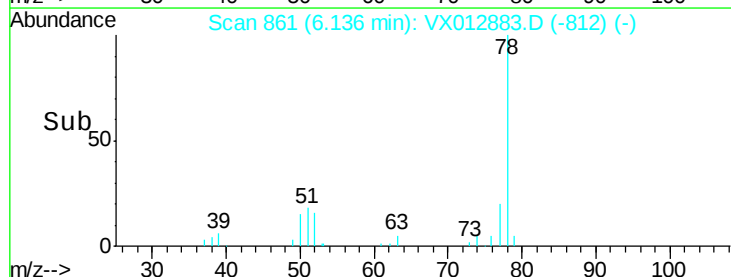
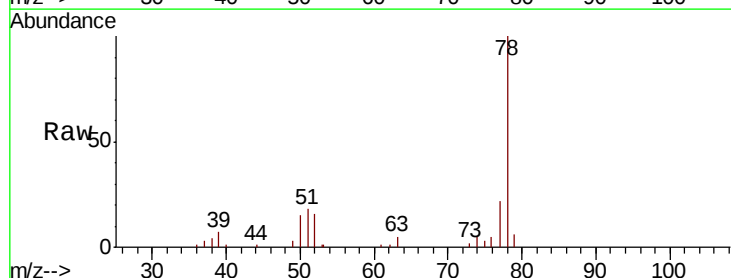
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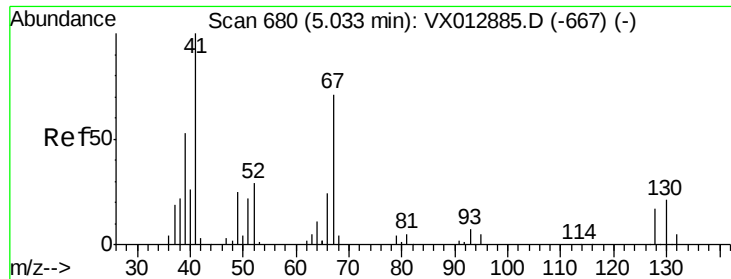
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#40
Benzene
Concen: 4.809 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.4





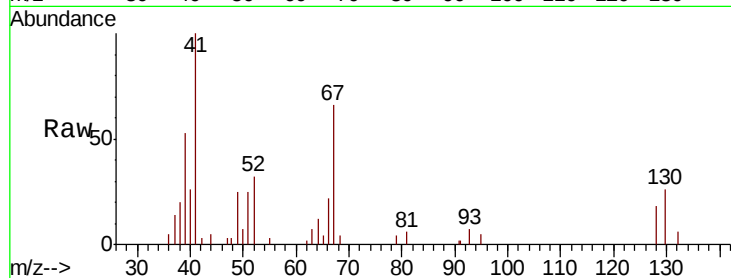
#41
Methacrylonitrile
Concen: 4.473 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

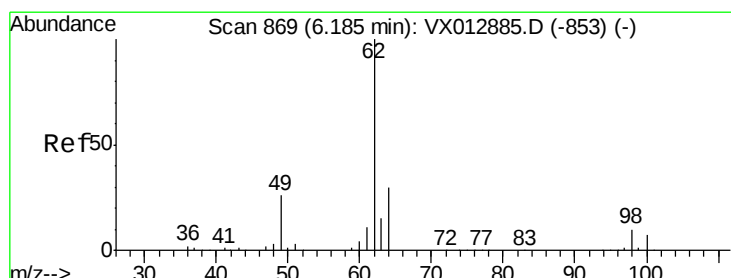
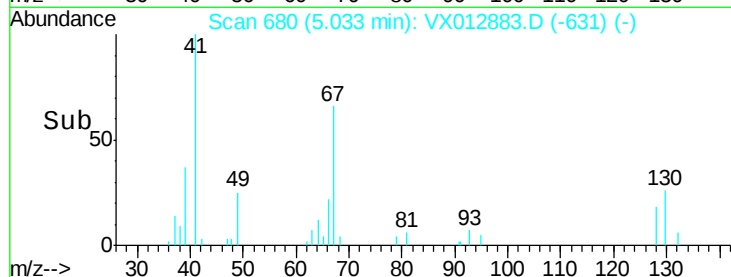
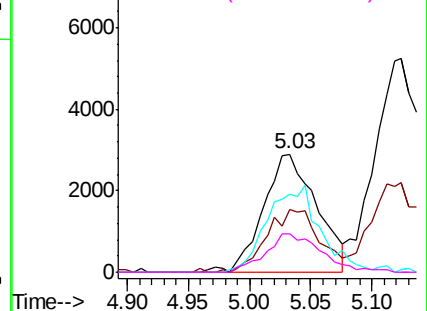
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	44.0	66.0	
67	72.3	58.5	87.7	
52	34.0	23.8	35.8	

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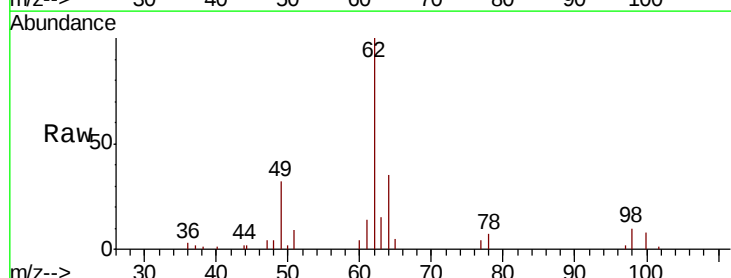


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

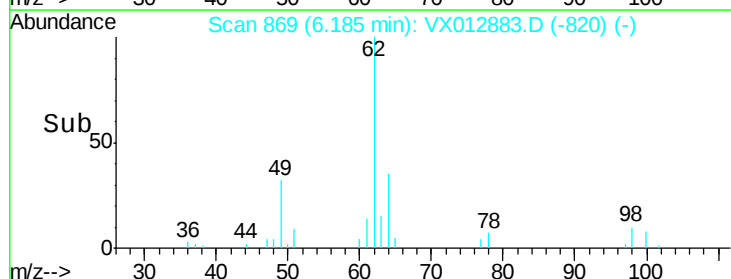
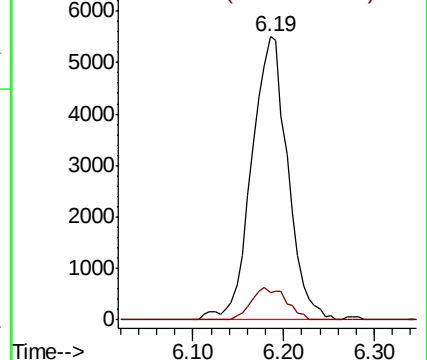


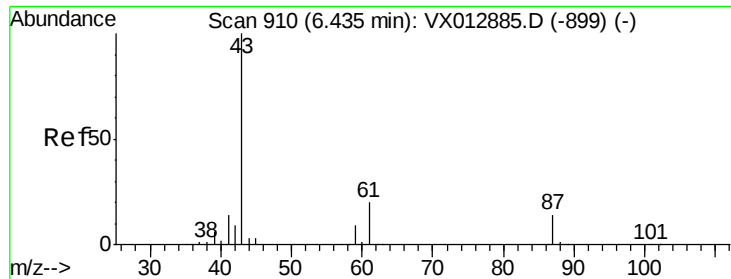
#42
1,2-Dichloroethane
Concen: 4.491 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.1	0.0	20.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





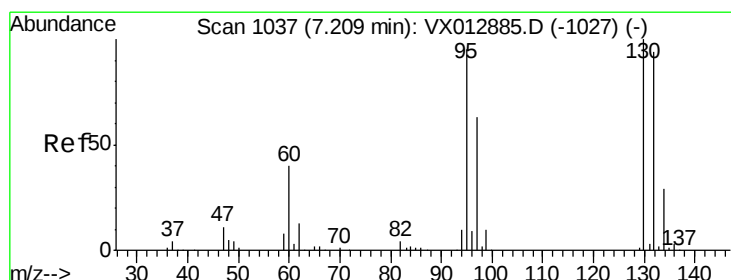
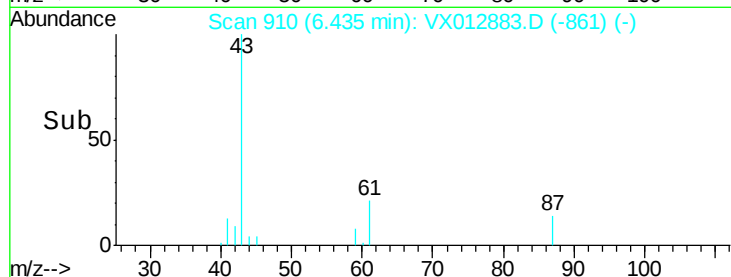
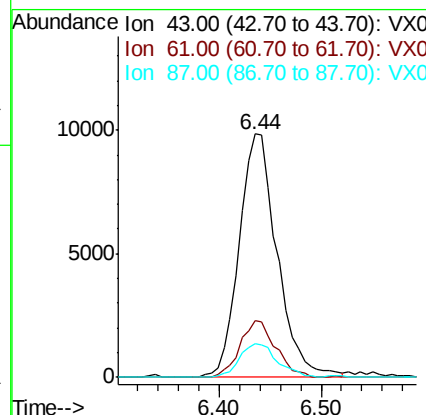
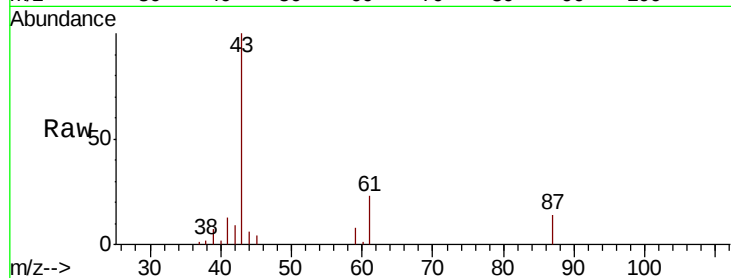
#43
Isopropyl Acetate
Concen: 4.321 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	16.6	24.8
87	13.7	11.0	16.6

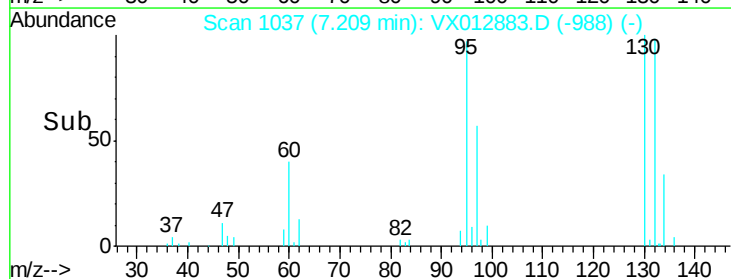
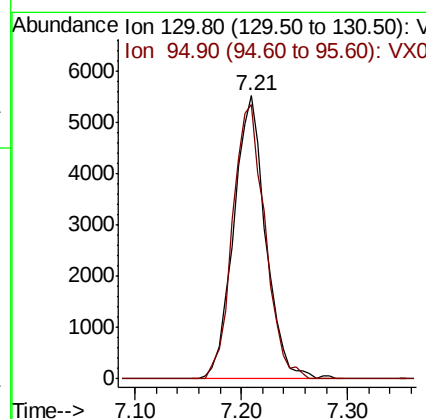
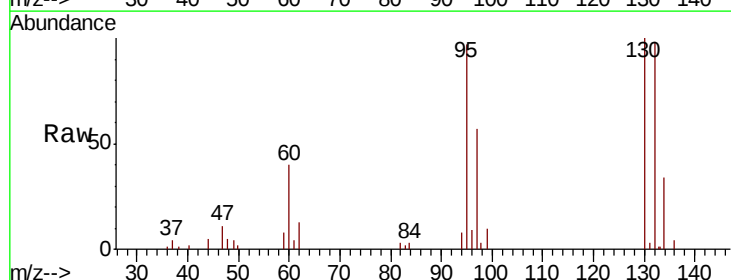
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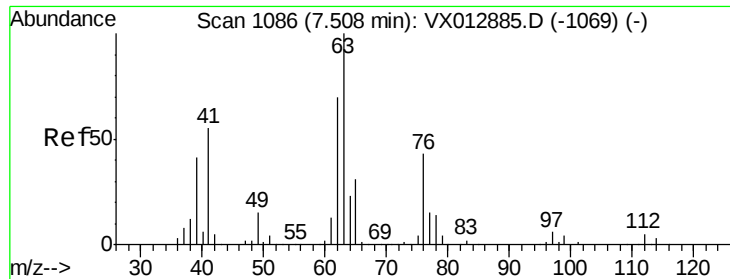
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#44
Trichloroethene
Concen: 5.048 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	189.2





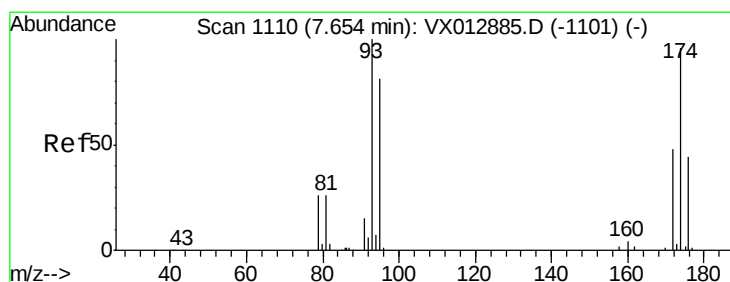
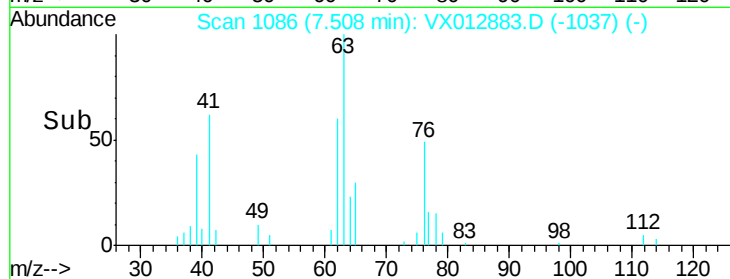
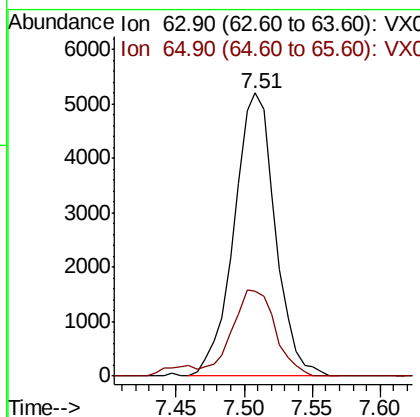
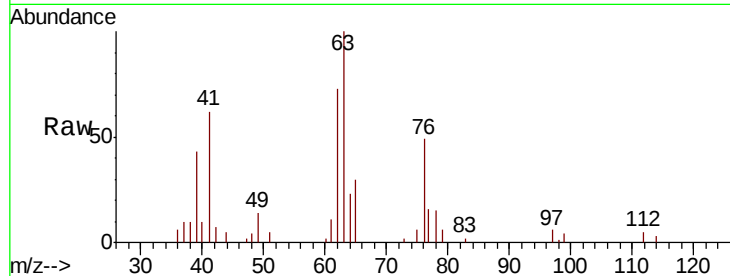
#45
 1,2-Dichloropropane
 Concen: 4.798 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11001
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0

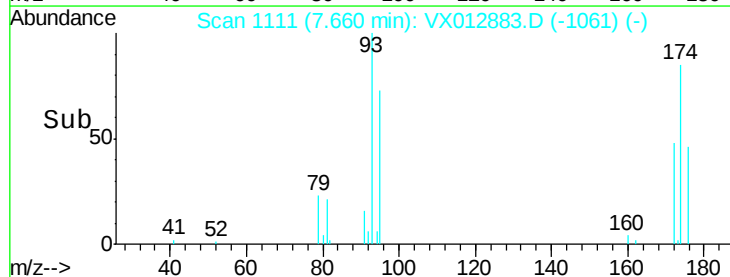
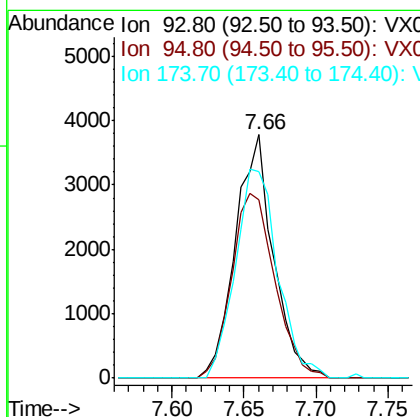
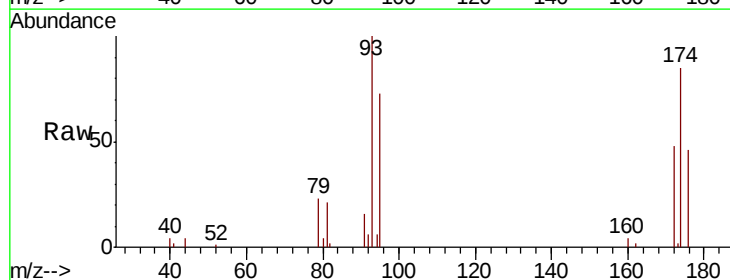
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#46
 Dibromomethane
 Concen: 4.461 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 93 Resp: 6954
 Ion Ratio Lower Upper
 93 100
 95 86.1 66.3 99.5
 174 95.3 77.8 116.6





#47

Bromodichloromethane

Concen: 4.098 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

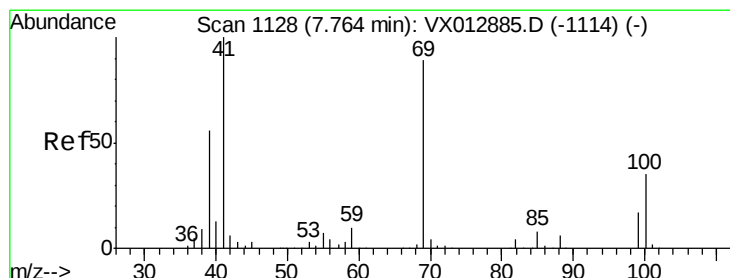
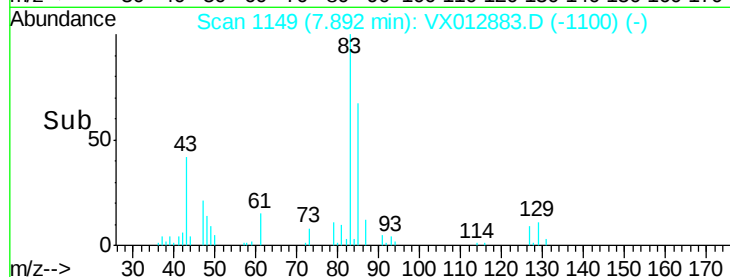
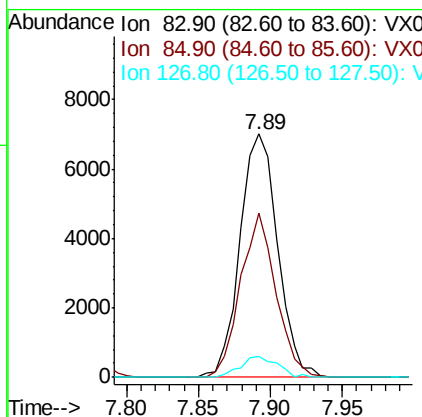
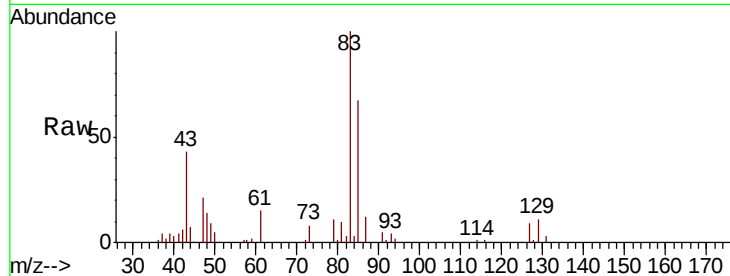
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12705
Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.4	78.6
127	8.7	6.6	10.0

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#48

Methyl methacrylate

Concen: 4.269 ug/l

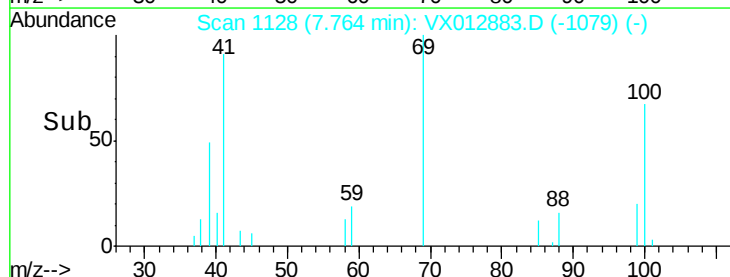
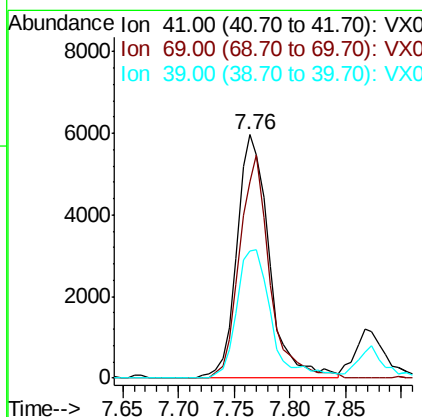
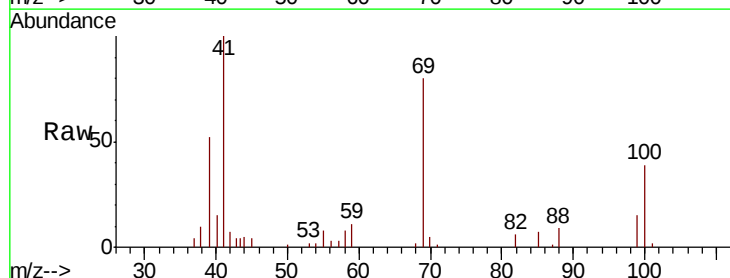
RT: 7.76 min Scan# 1128

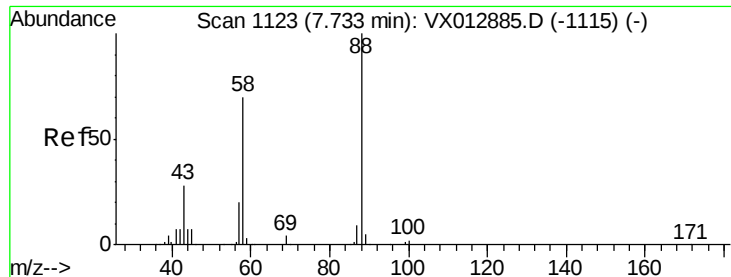
Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	41	Resp:	12024
Ion	Ratio	Lower	Upper
41	100		
69	85.3	68.7	103.1
39	56.2	44.3	66.5





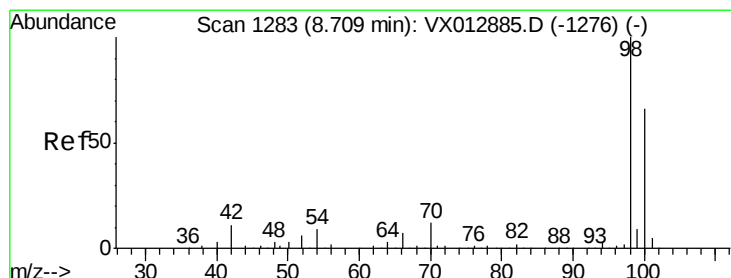
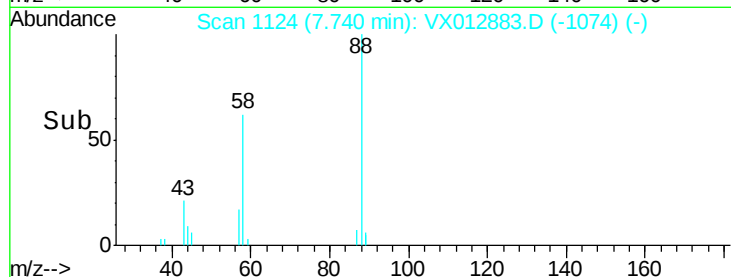
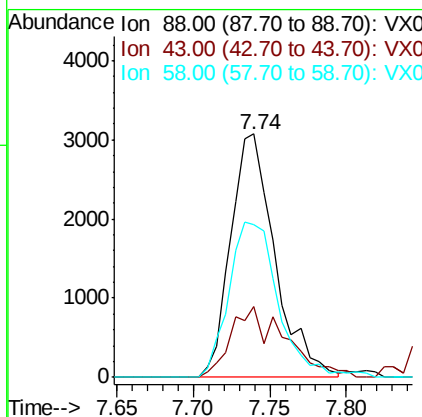
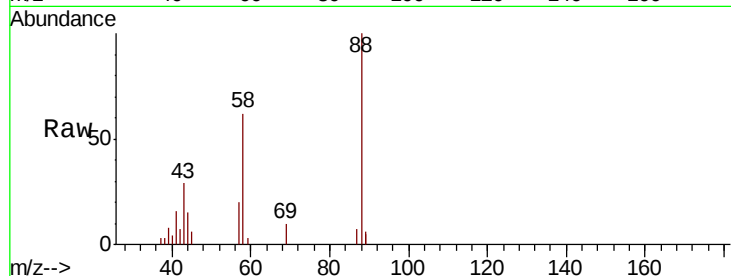
#49
1,4-Dioxane
Concen: 95.573 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.0	37.6
58	71.3	55.4	83.2

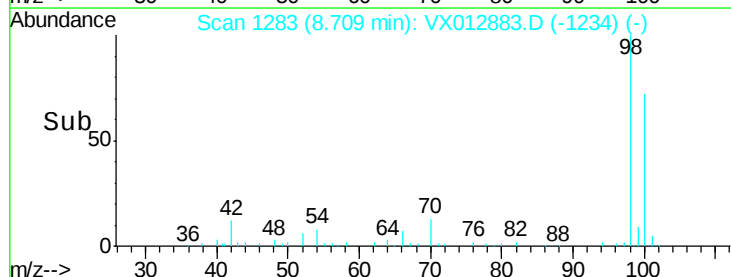
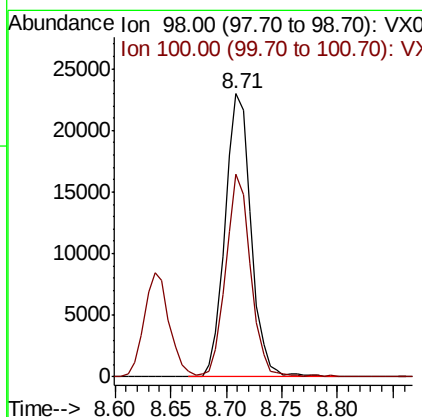
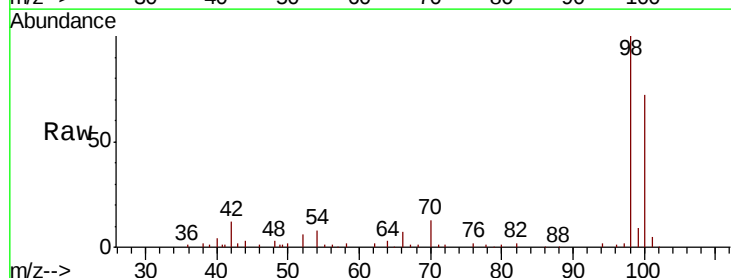
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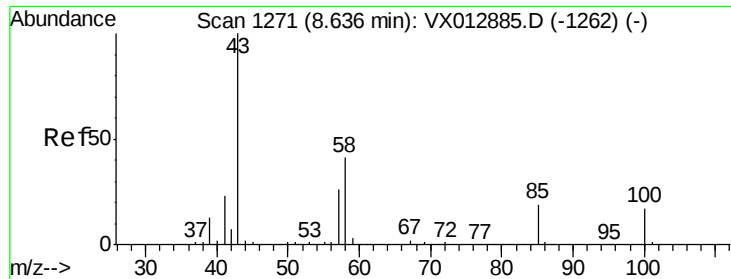
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#50
Toluene-d8
Concen: 5.082 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 22.644 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 82196

Ion Ratio Lower Upper

43 100

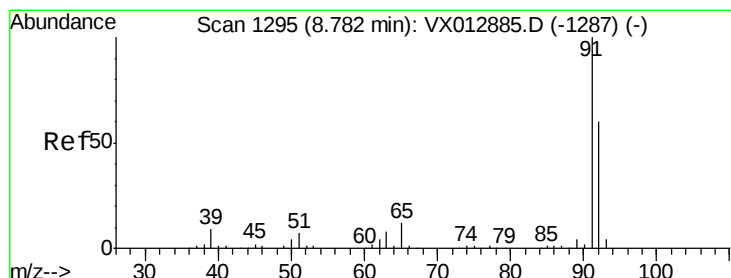
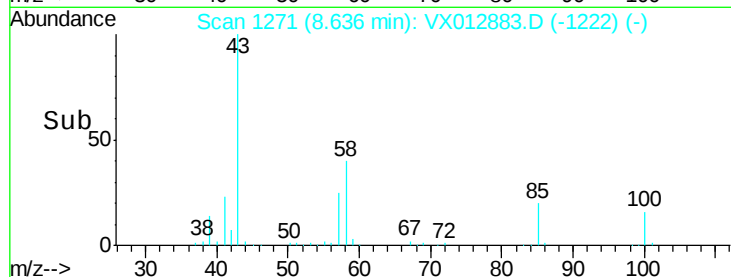
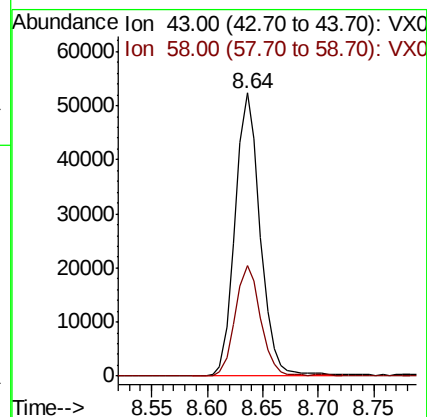
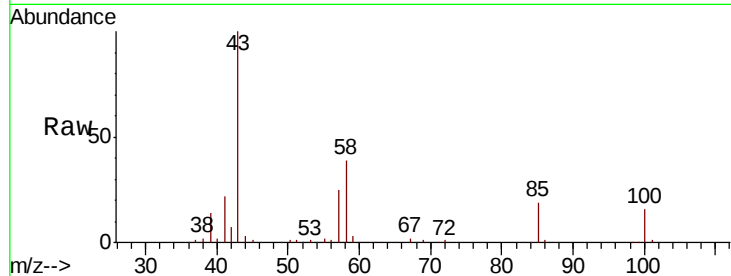
58 39.3 32.4 48.6

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#52

Toluene

Concen: 4.865 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012883.D

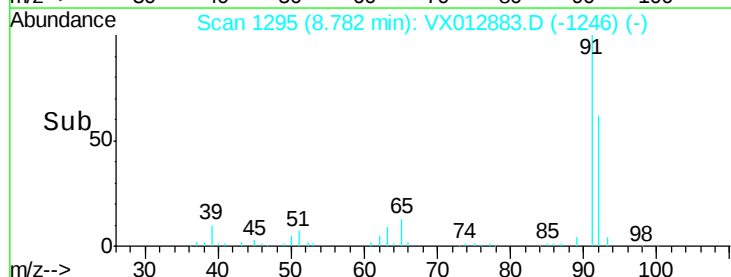
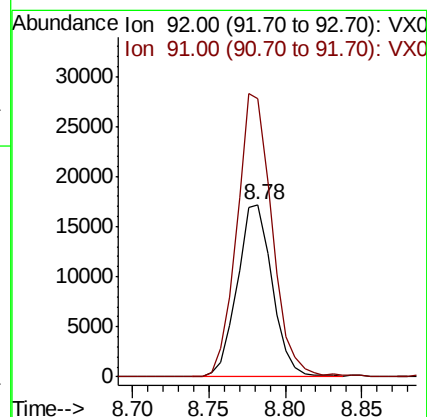
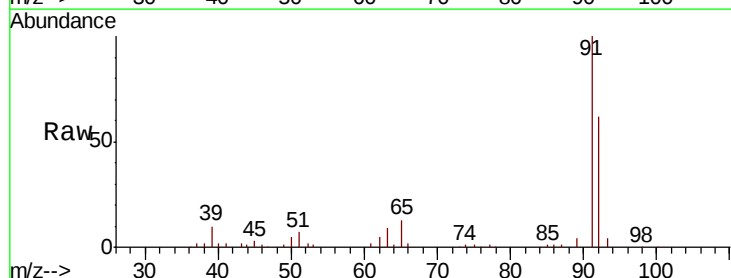
Acq: 08 Oct 2019 11:27

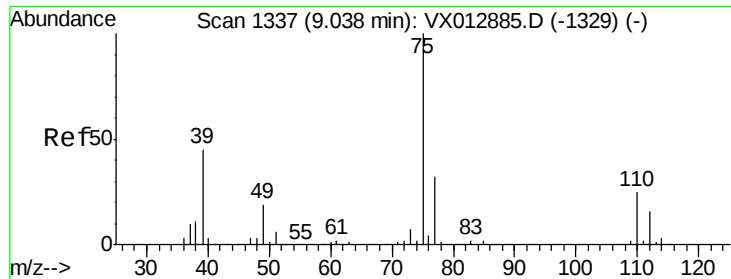
Tgt Ion: 92 Resp: 27372

Ion Ratio Lower Upper

92 100

91 165.1 135.9 203.9





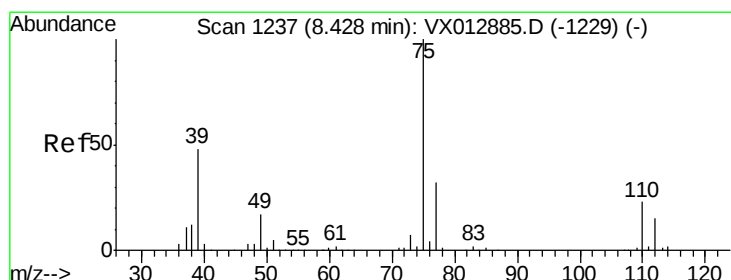
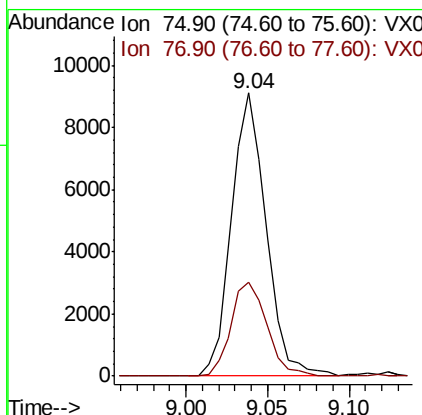
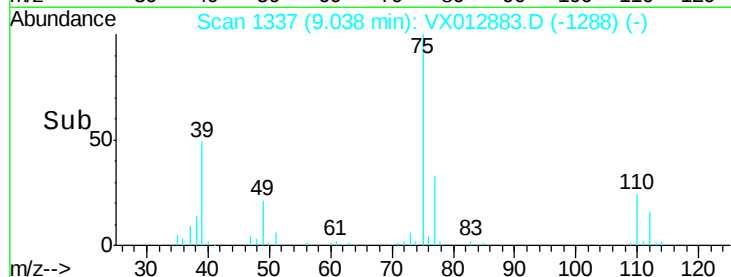
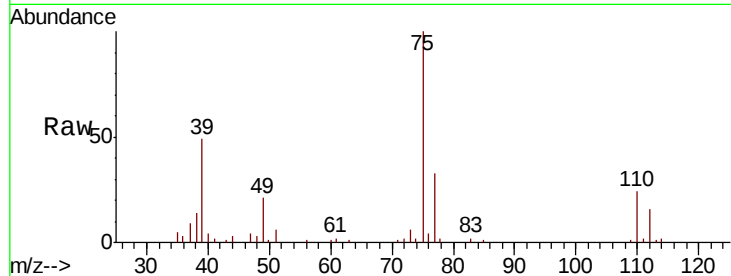
#53
t-1,3-Dichloropropene
Concen: 3.929 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13488
Ion Ratio Lower Upper
75 100
77 33.2 25.8 38.6

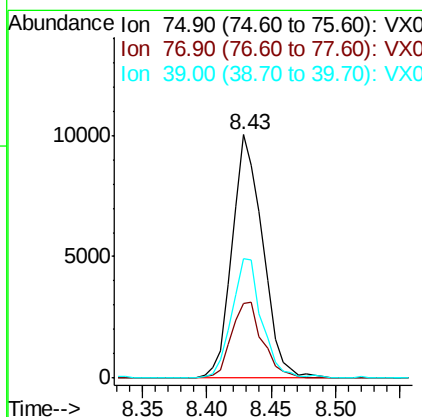
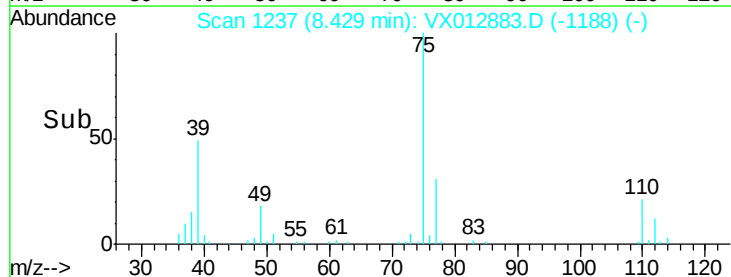
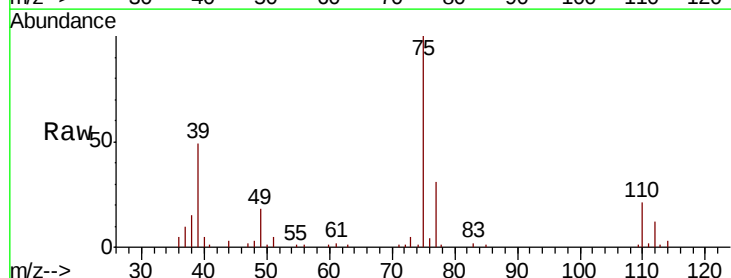
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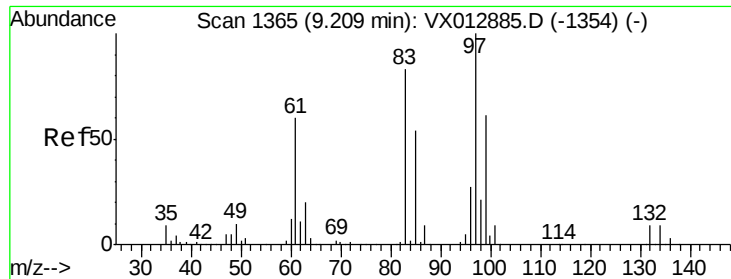
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#54
cis-1,3-Dichloropropene
Concen: 4.424 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 75 Resp: 16607
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.8
39 49.3 38.2 57.2





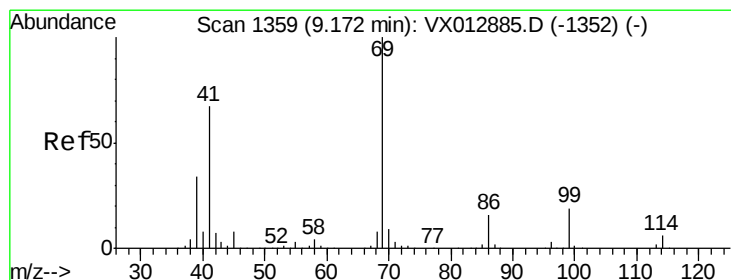
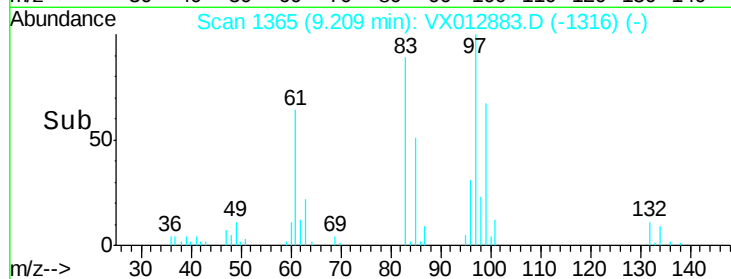
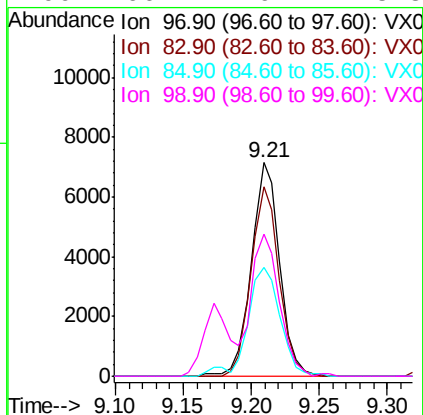
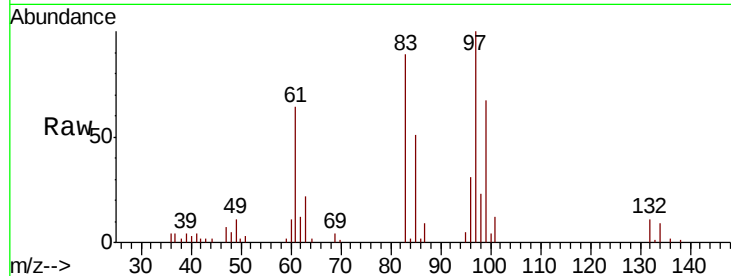
#55
 1,1,2-Trichloroethane
 Concen: 4.669 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10442
Ion	Ratio	Lower	Upper
97	100		
83	88.9	66.5	99.7
85	51.1	43.1	64.7
99	66.7	49.2	73.8

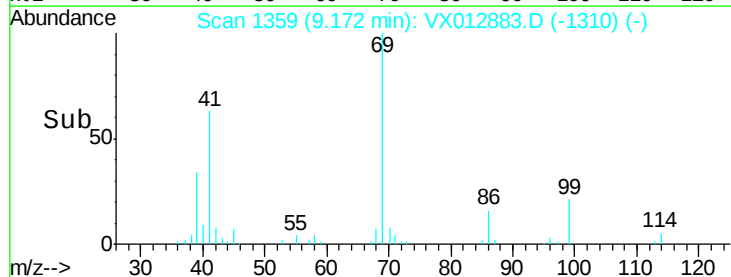
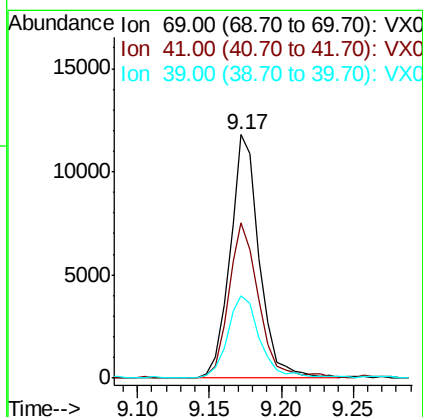
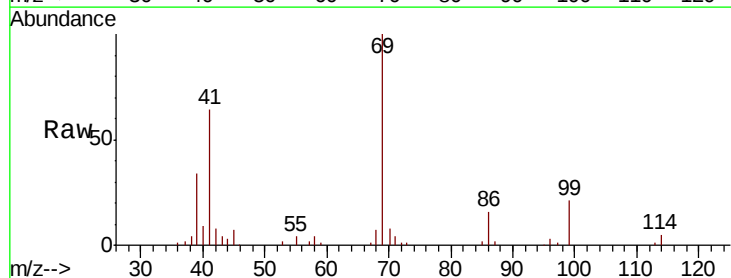
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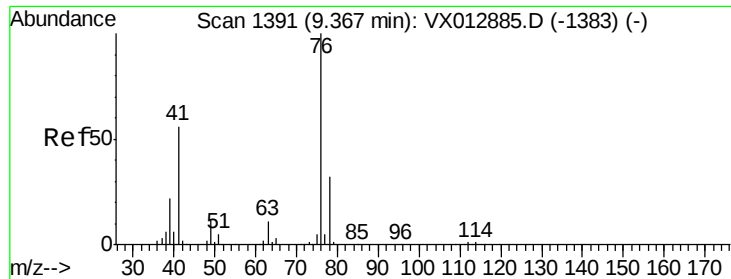
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#56
 Ethyl methacrylate
 Concen: 4.460 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion:	69	Resp:	16713
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.1	78.1
39	37.8	27.8	41.8





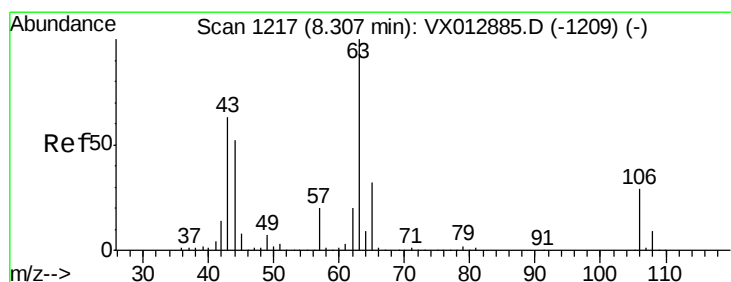
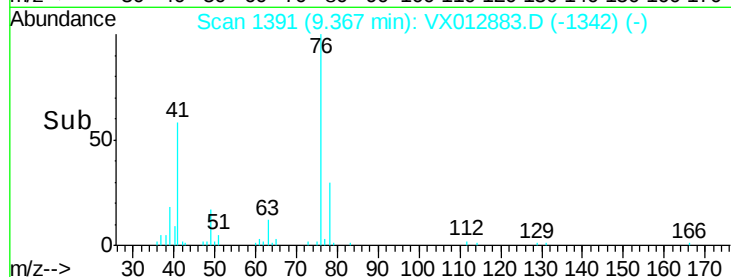
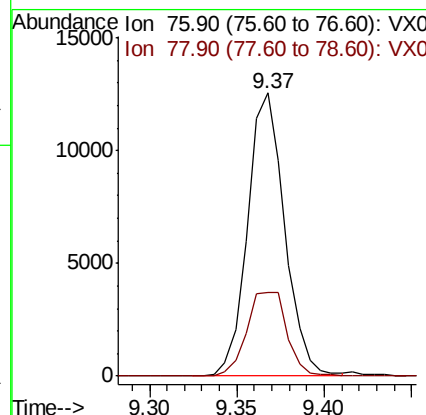
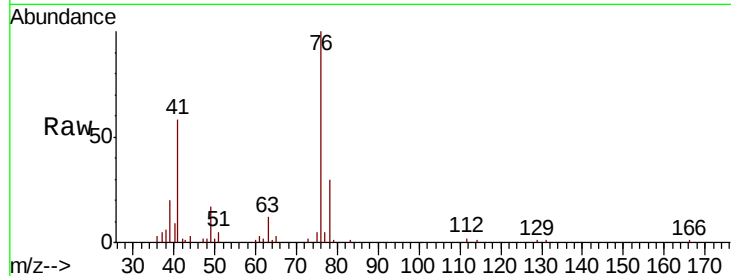
#57
 1,3-Dichloropropane
 Concen: 4.729 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

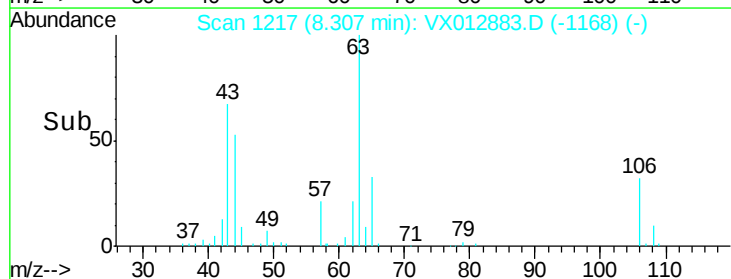
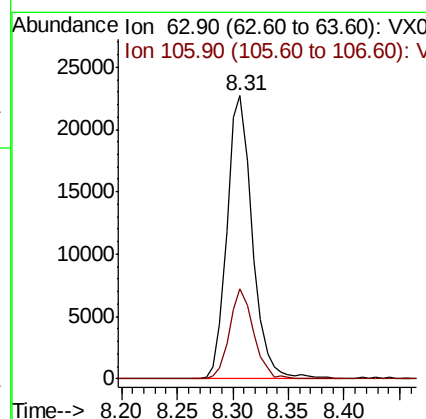
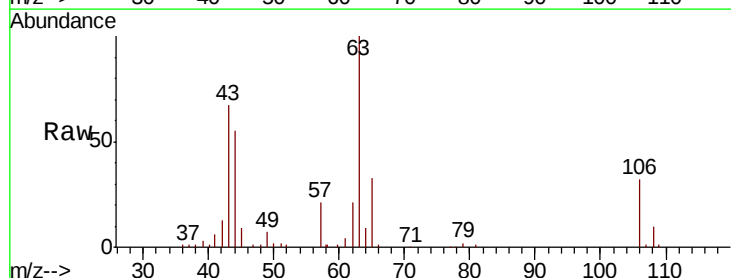
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#58
 2-Chloroethyl Vinyl ether
 Concen: 21.385 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.8	35.8





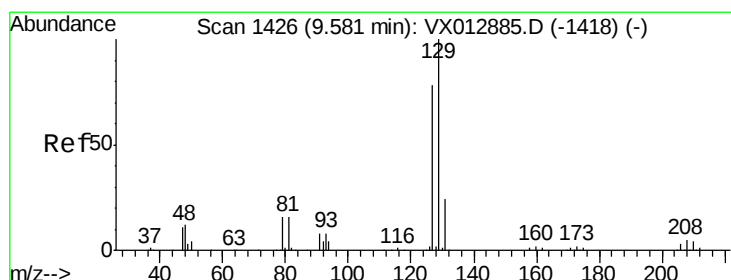
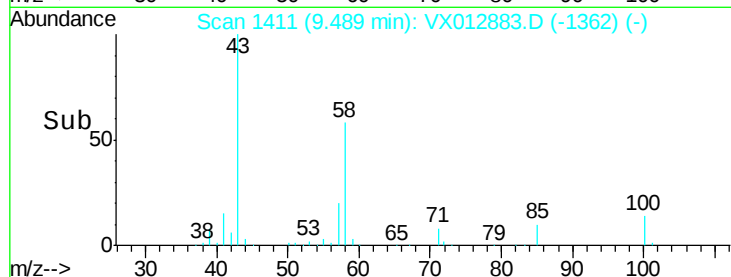
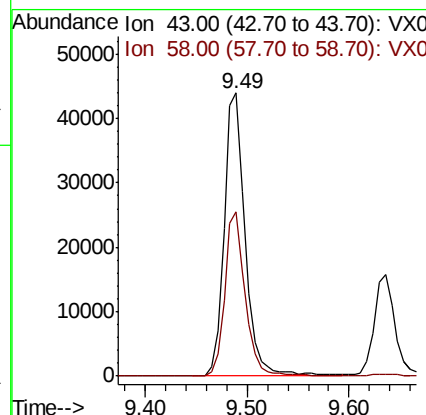
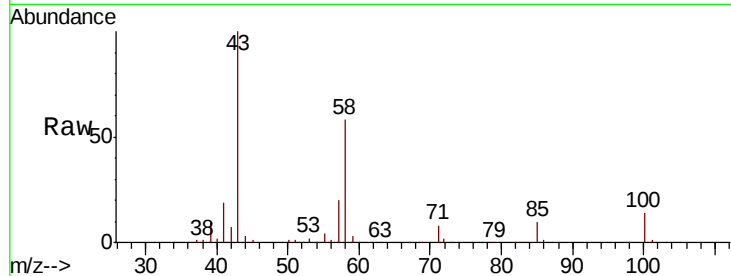
#59
2-Hexanone
Concen: 22.851 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 63362
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

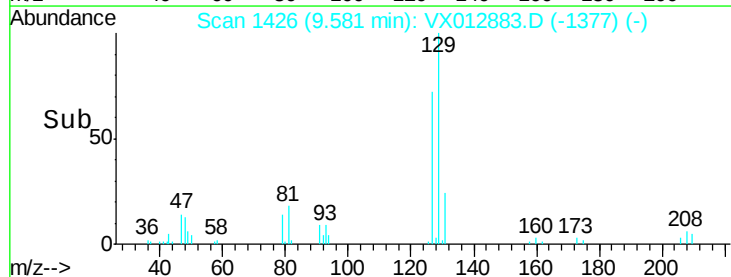
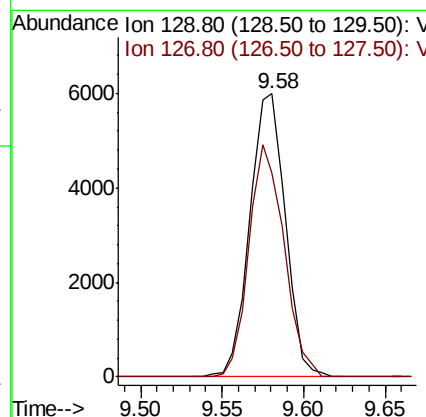
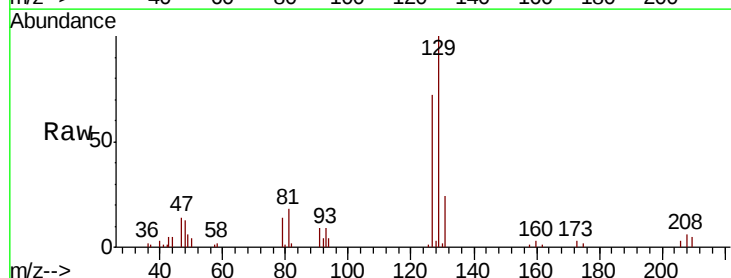
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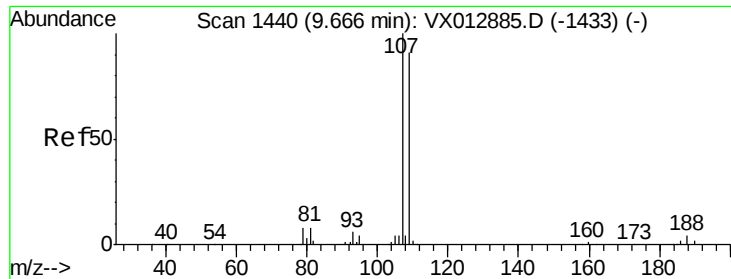
MMDadoda
10/9/2019 10:37:09 AM



#60
Dibromochloromethane
Concen: 4.027 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 129 Resp: 9126
Ion Ratio Lower Upper
129 100
127 80.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 4.801 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 11175

Ion Ratio Lower Upper

107 100

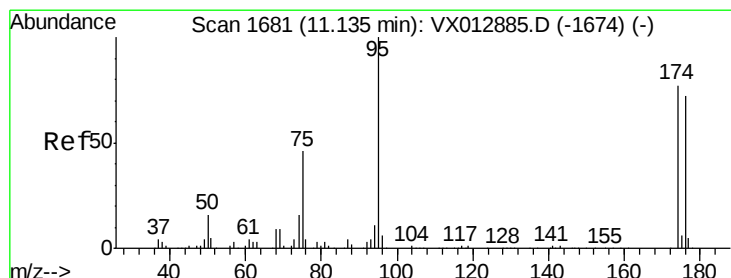
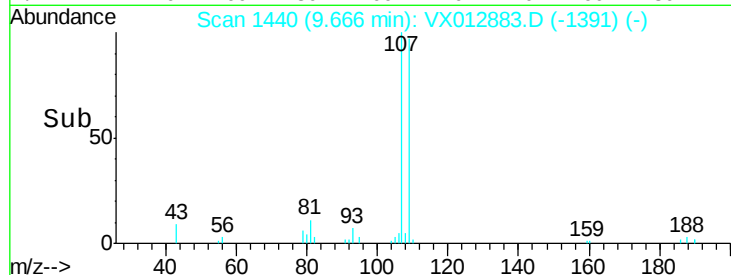
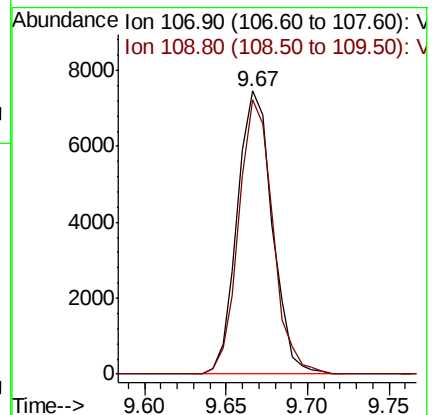
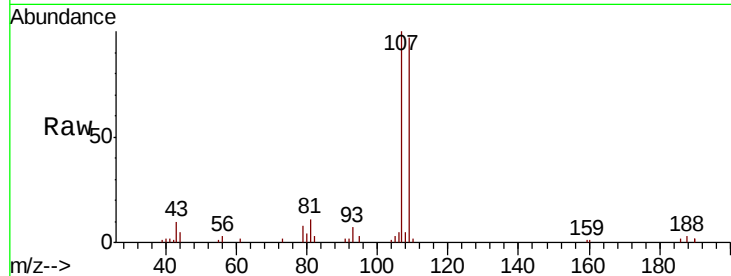
109 94.6 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 4.771 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

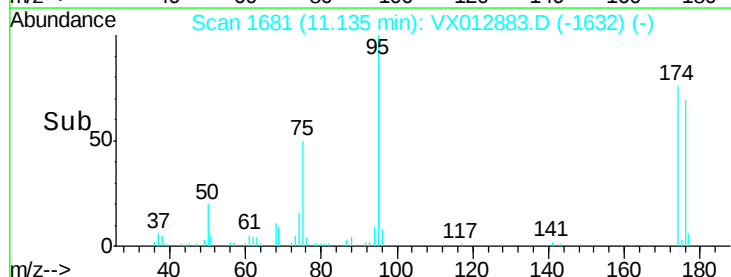
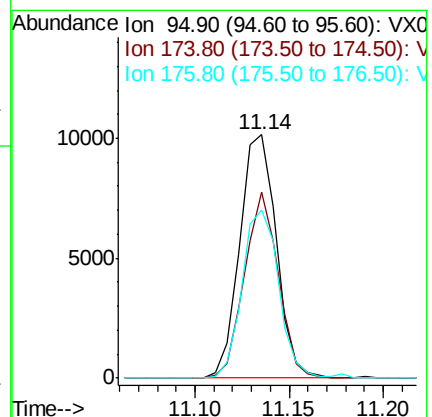
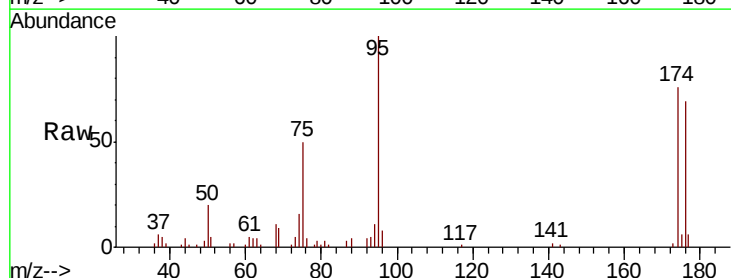
Tgt Ion: 95 Resp: 13666

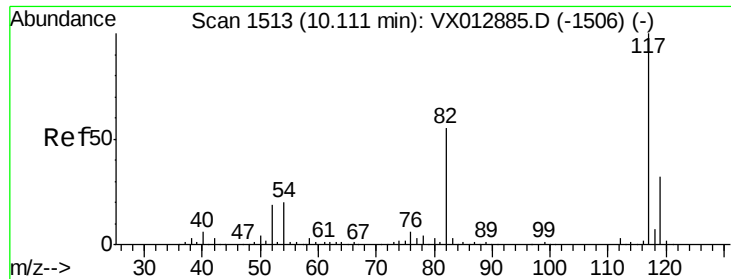
Ion Ratio Lower Upper

95 100

174 70.7 0.0 143.4

176 69.7 0.0 136.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:117 Resp: 280084

Ion Ratio Lower Upper

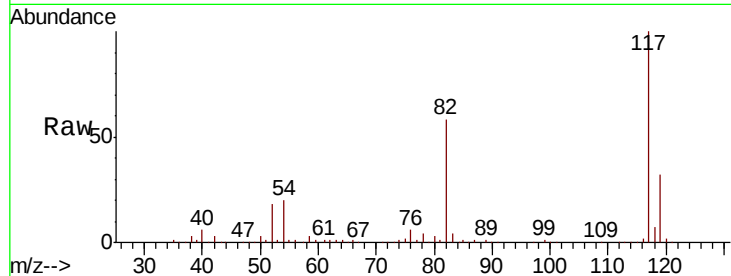
117 100

82 57.7 44.1 66.1

119 32.0 25.8 38.8

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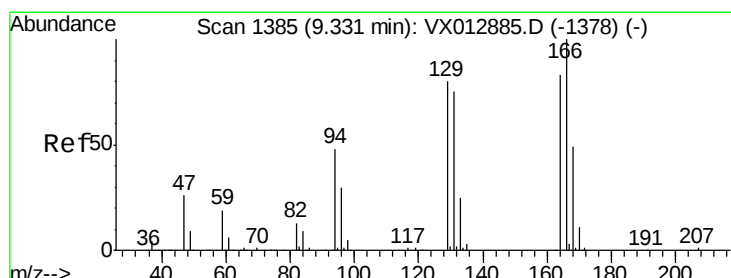
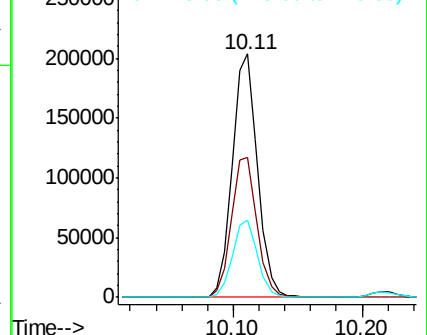
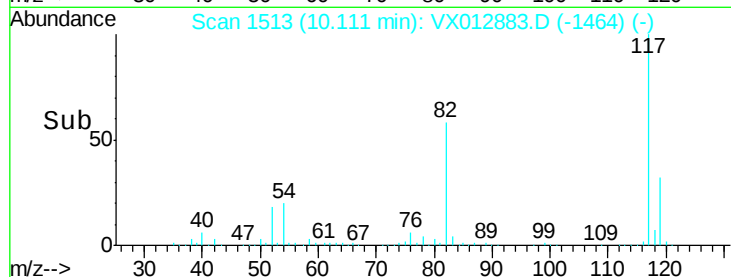
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.077 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:164 Resp: 10054

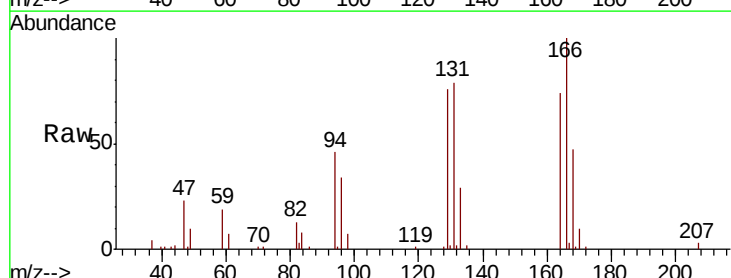
Ion Ratio Lower Upper

164 100

166 134.2 96.9 145.3

129 101.8 77.9 116.9

131 105.5 72.7 109.1

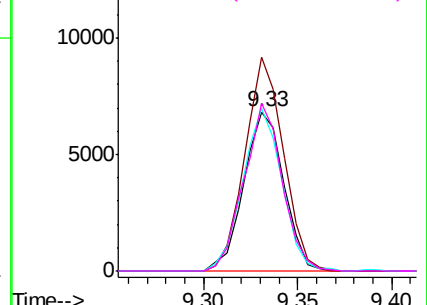
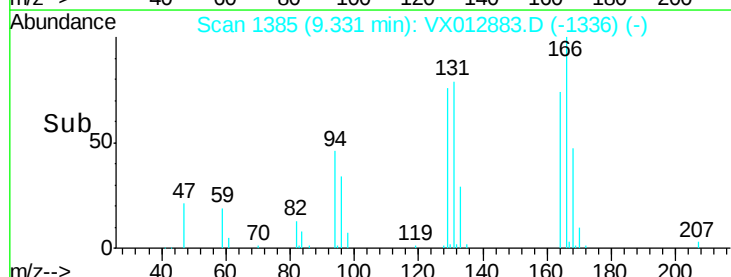


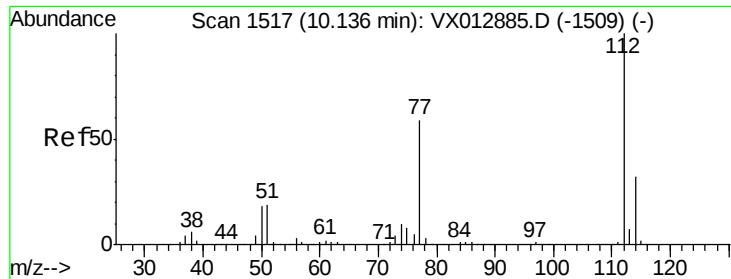
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





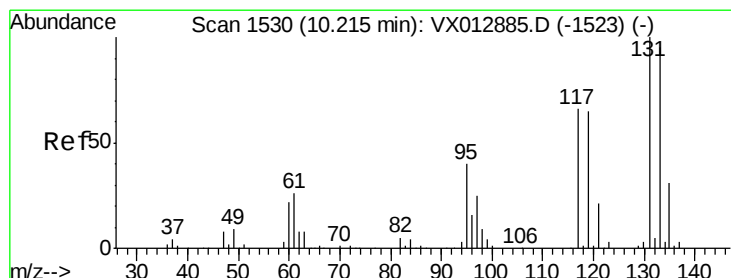
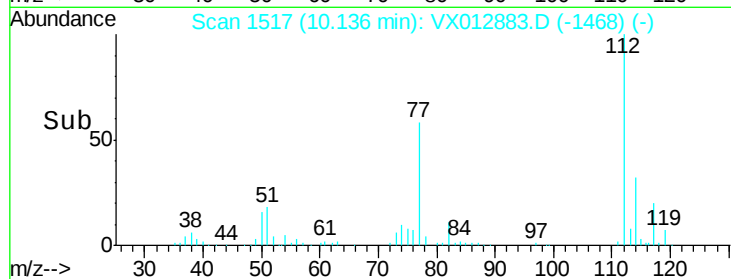
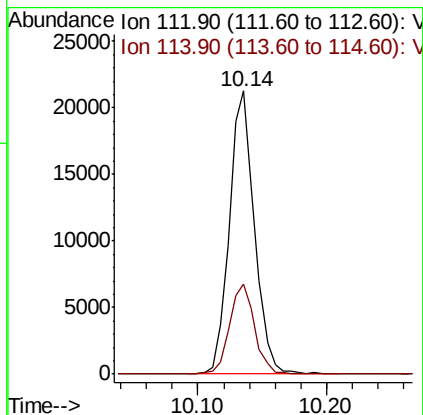
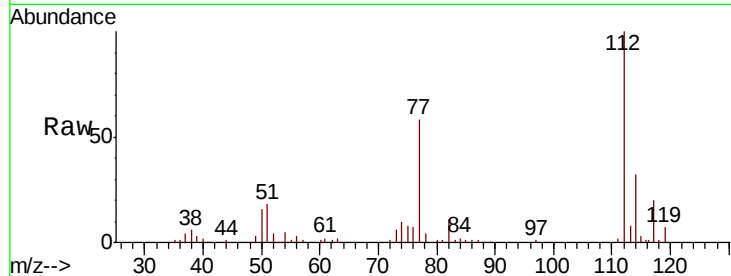
#65
Chlorobenzene
Concen: 4.906 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 29009
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

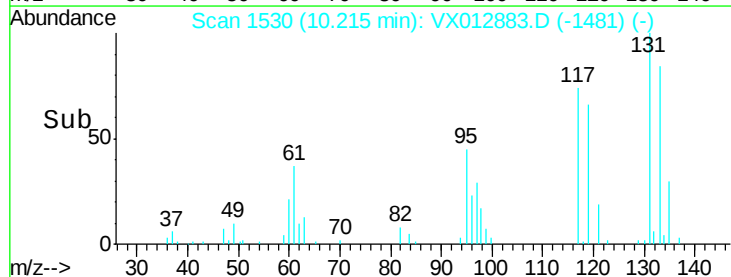
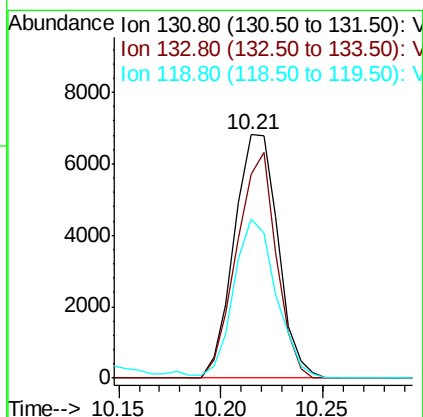
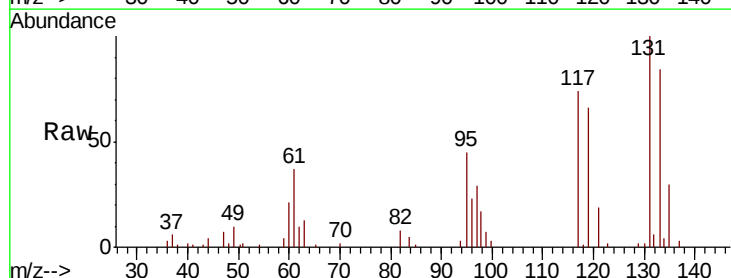
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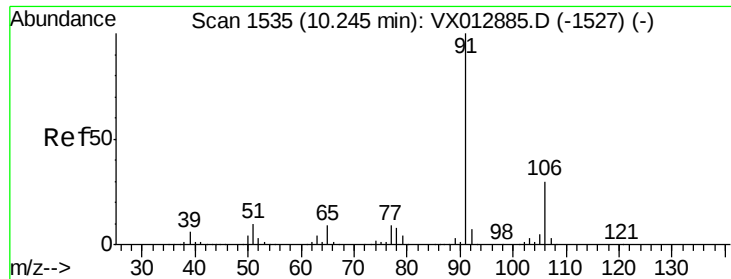
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.731 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion:131 Resp: 10134
Ion Ratio Lower Upper
131 100
133 84.1 47.2 141.6
119 63.1 32.6 98.0





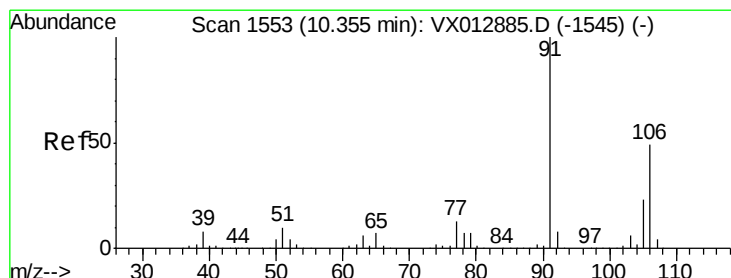
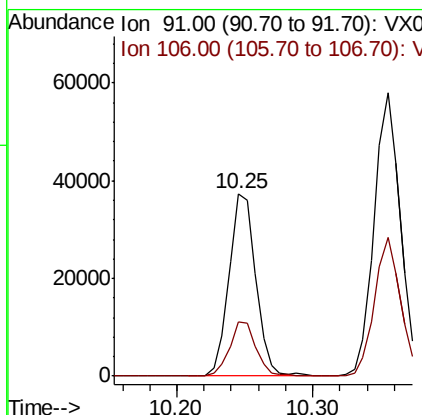
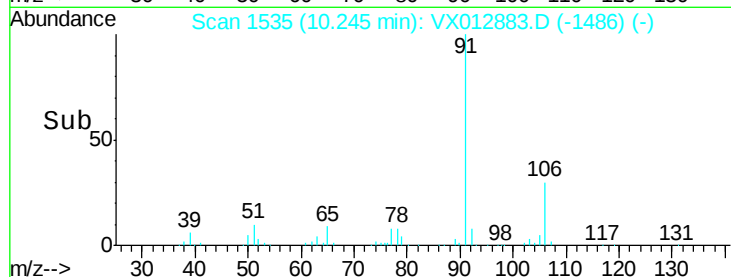
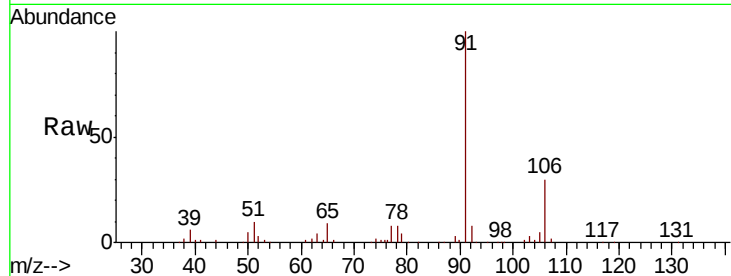
#67
Ethyl Benzene
Concen: 4.789 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 51339
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9

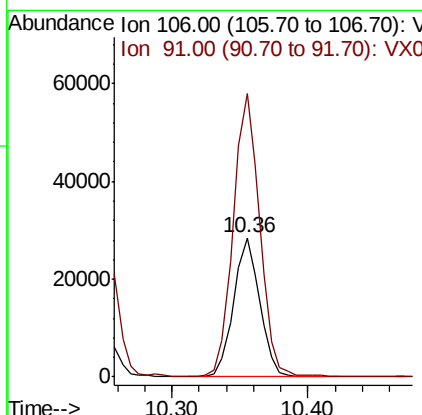
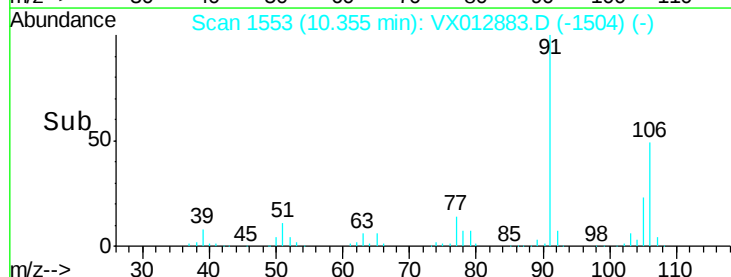
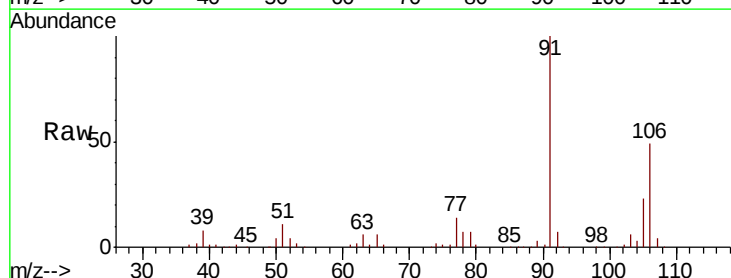
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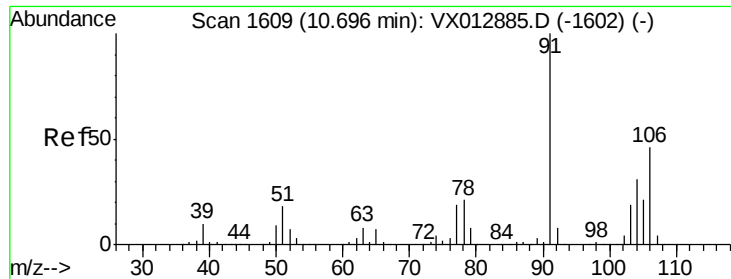
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#68
m/p-Xylenes
Concen: 9.493 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 106 Resp: 38092
Ion Ratio Lower Upper
106 100
91 207.1 165.3 247.9





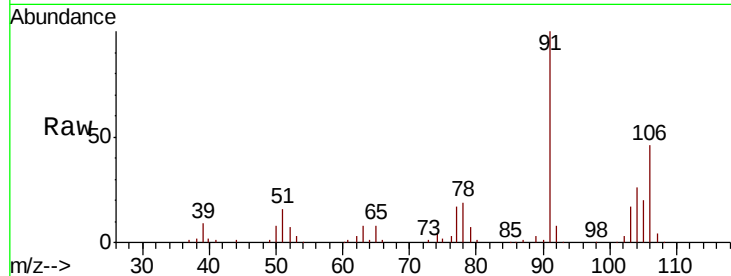
#69
o-Xylene
Concen: 4.801 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

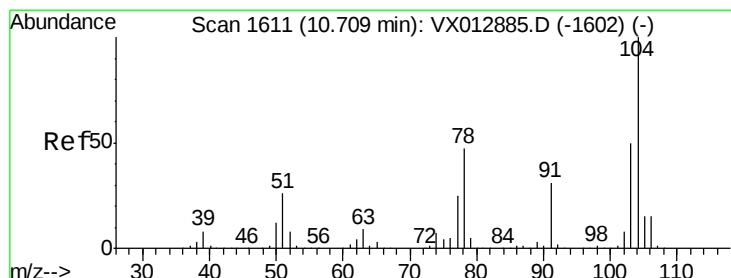
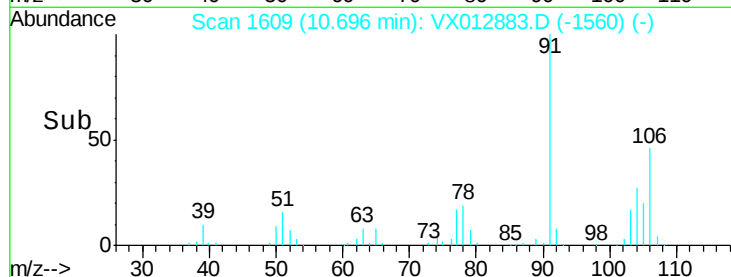
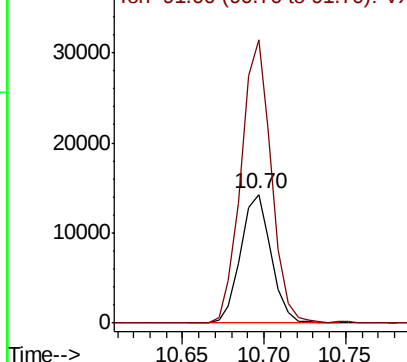
Tot Ion:106 Resp: 18667
Ion Ratio Lower Upper
106 100
91 217.9 109.1 327.3

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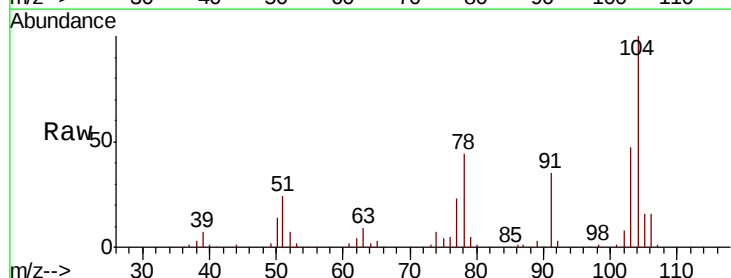


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

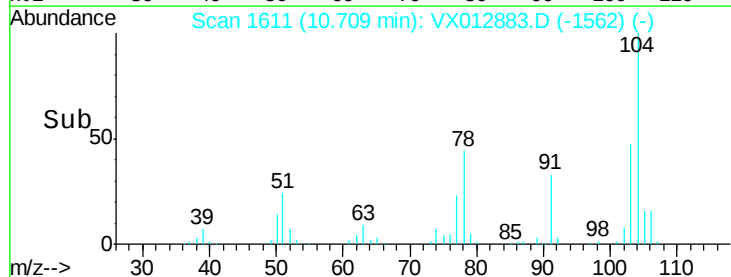
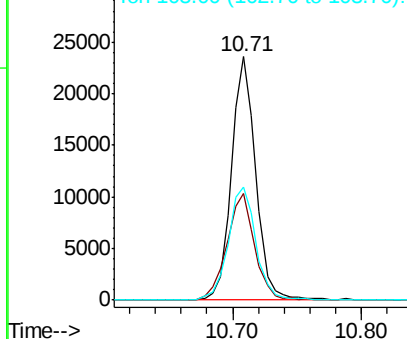


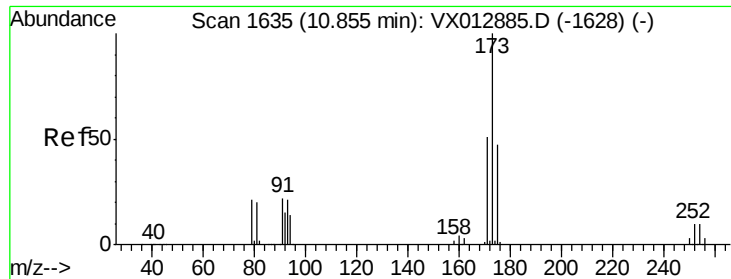
#70
Styrene
Concen: 4.757 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion:104 Resp: 31039
Ion Ratio Lower Upper
104 100
78 50.0 41.2 61.8
103 53.1 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





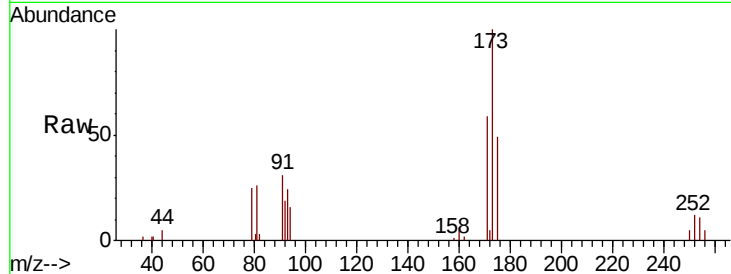
#71
Bromoform
Concen: 3.969 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

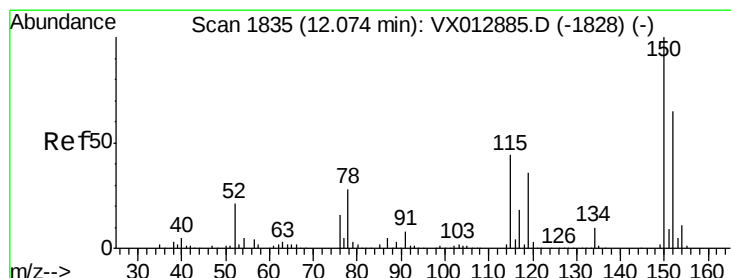
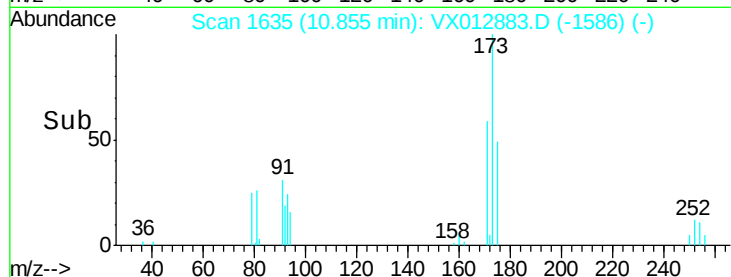
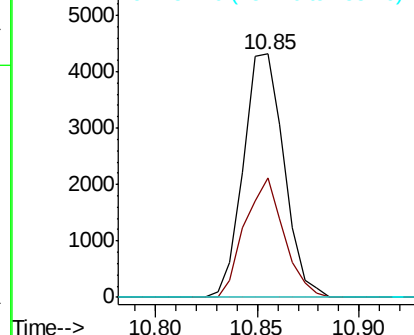
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.1	72.3
254	0.0	0.1	0.1#

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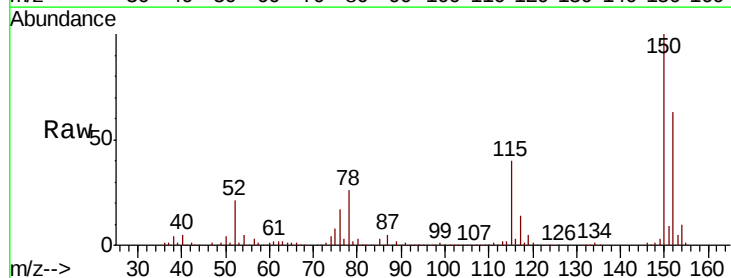


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

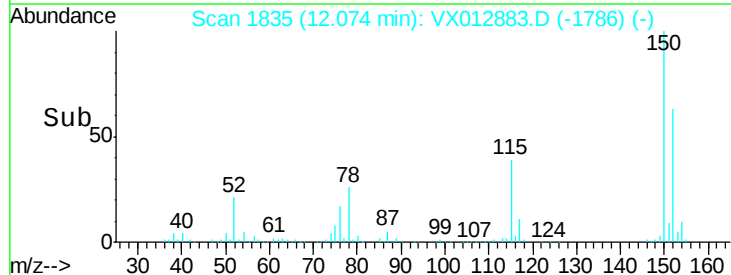
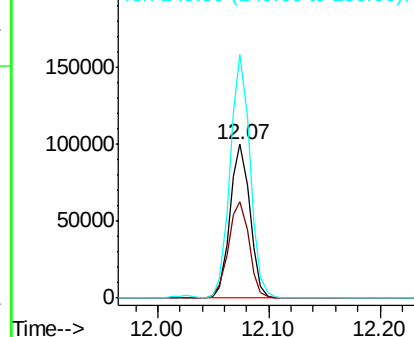


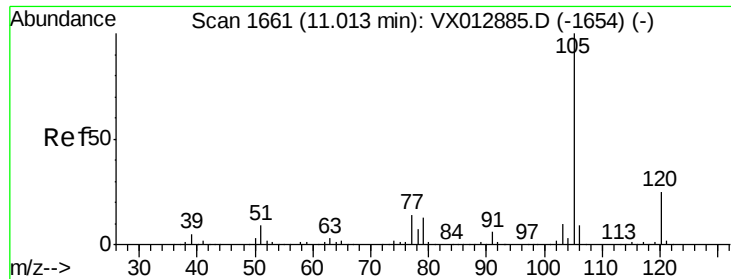
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.5	133.5
150	157.0	0.0	353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





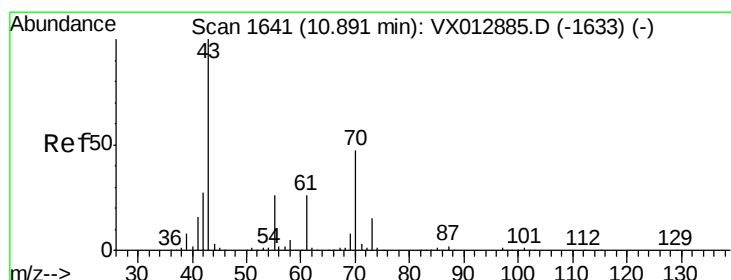
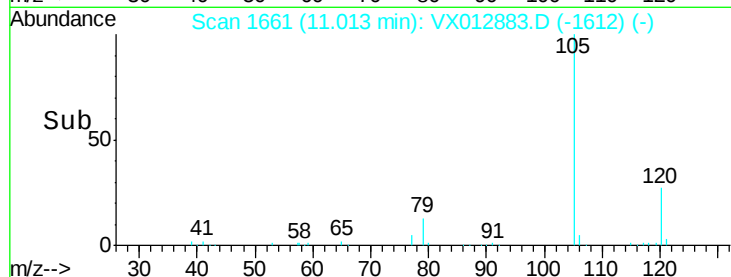
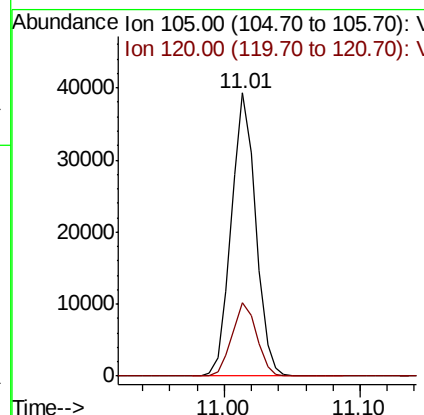
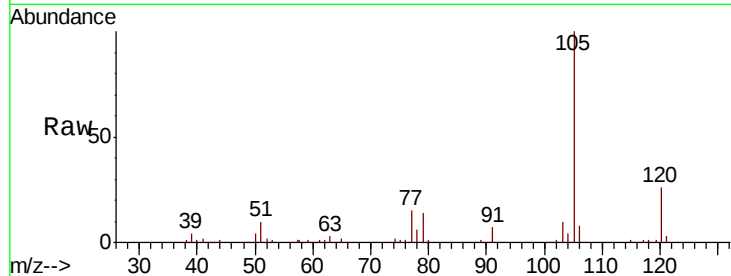
#73
Isopropylbenzene
Concen: 4.845 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 105 Resp: 49022
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0

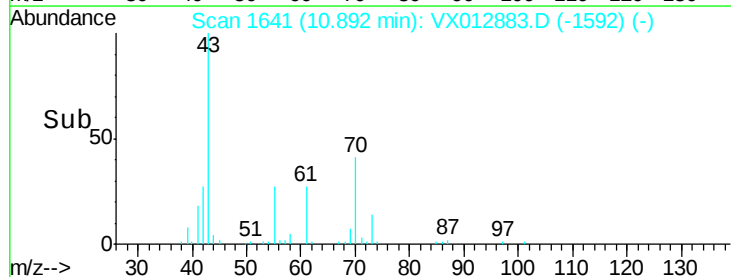
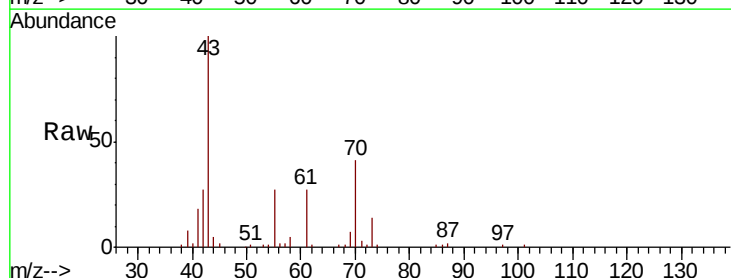
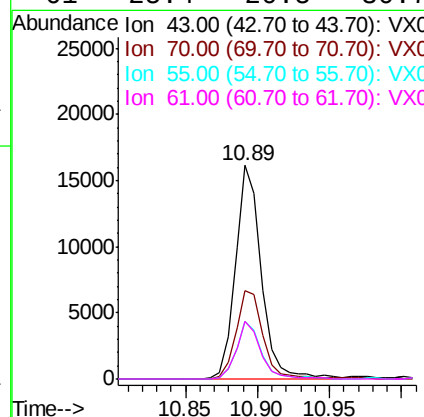
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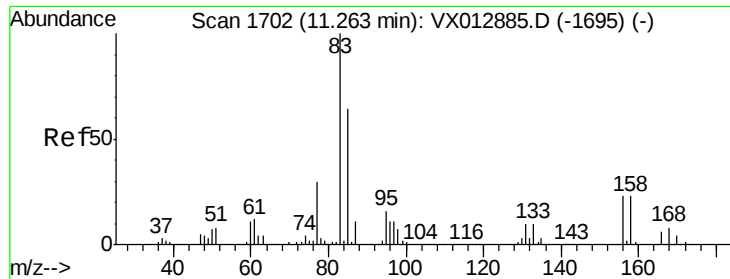
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#74
N-ethyl acetate
Concen: 4.288 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 43 Resp: 20358
Ion Ratio Lower Upper
43 100
70 43.1 36.4 54.6
55 25.7 20.2 30.2
61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.014 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

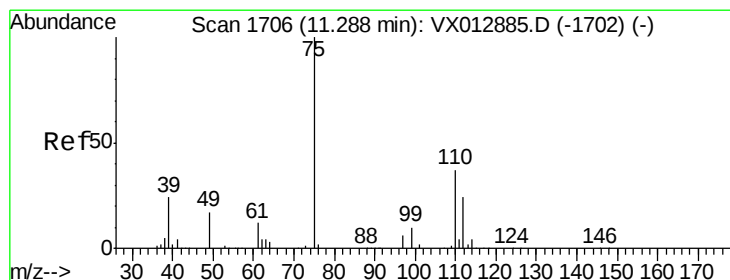
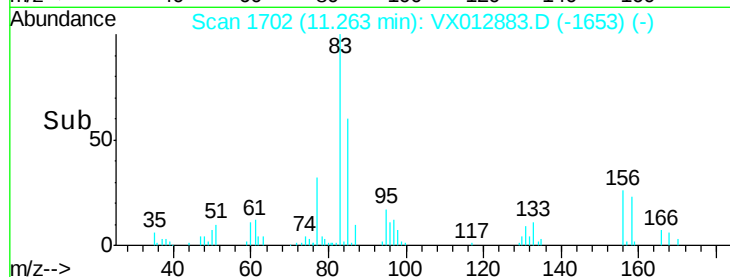
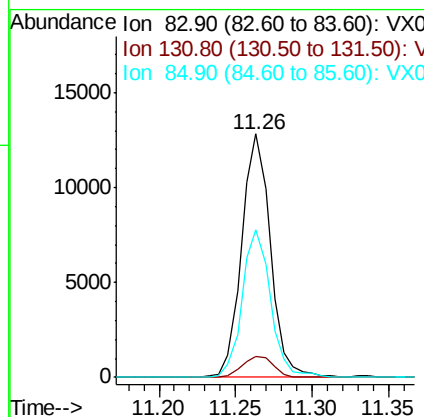
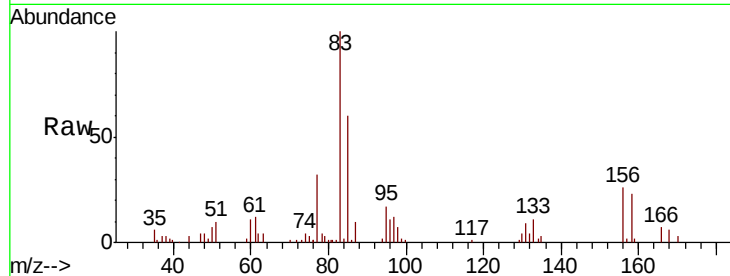
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16704
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.1	15.3
85	59.8	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 4.766 ug/l m

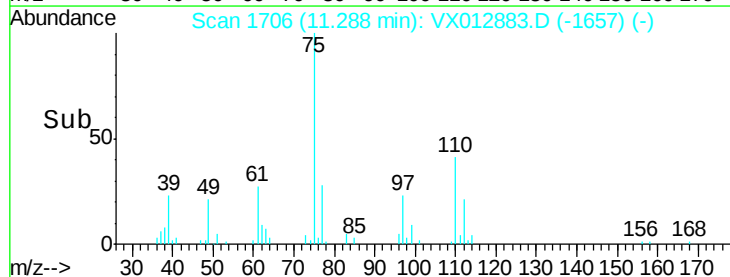
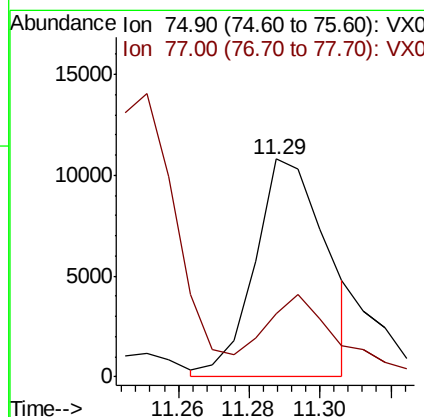
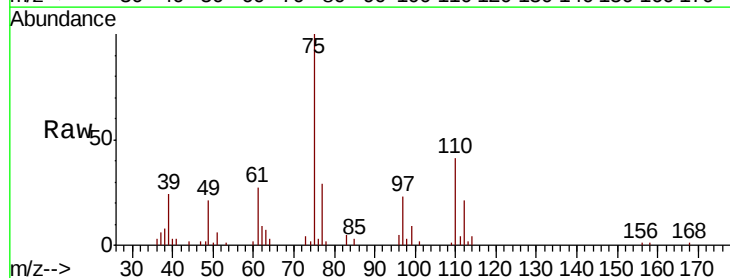
RT: 11.29 min Scan# 1706

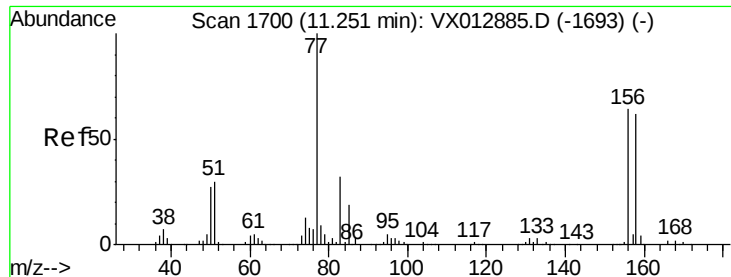
Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	75	Resp:	15137
Ion Ratio	Lower	Upper	
75	100		
77	38.6	22.9	68.8





#77

Bromobenzene

Concen: 5.114 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 11754

Ion Ratio Lower Upper

156 100

77 166.7 83.7 251.0

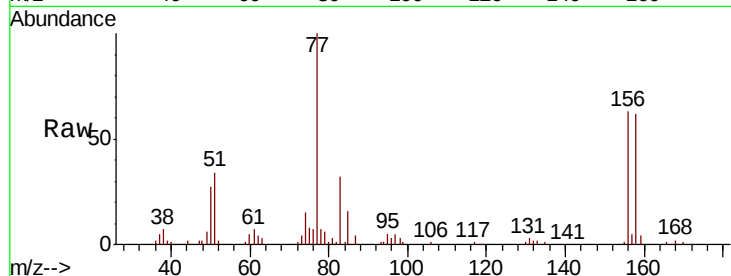
158 94.4 48.6 145.9

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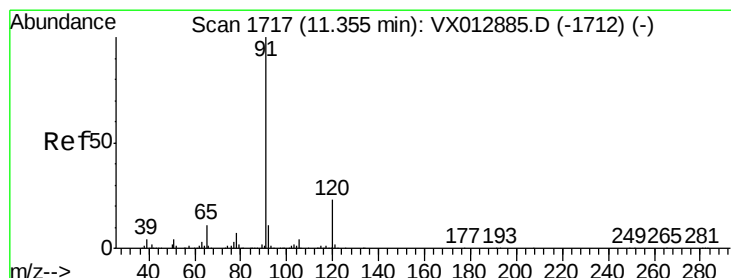
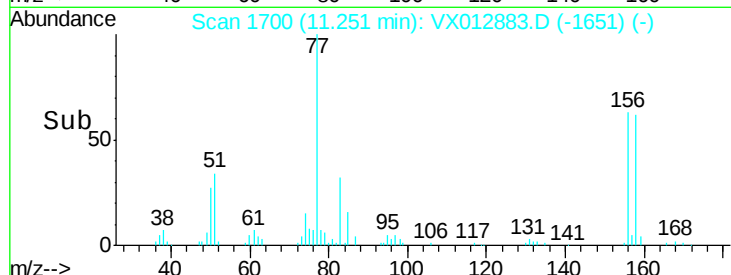
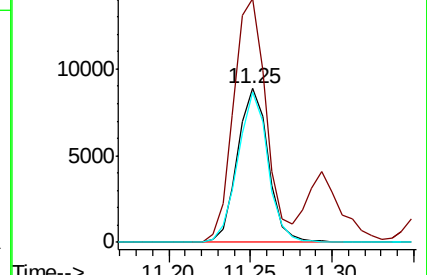
10/9/2019 10:37:09 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.611 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012883.D

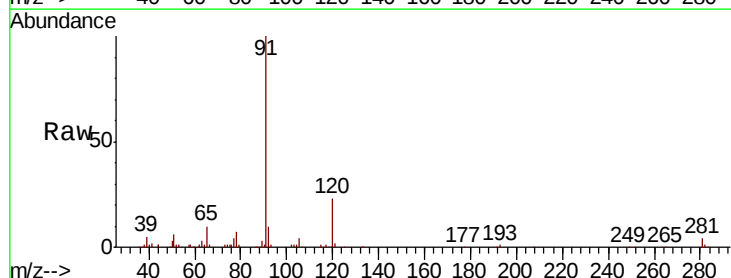
Acq: 08 Oct 2019 11:27

Tgt Ion: 91 Resp: 52256

Ion Ratio Lower Upper

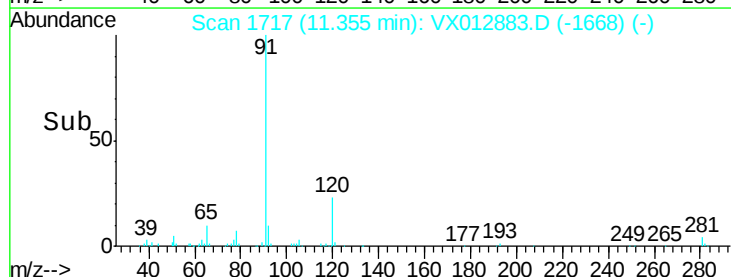
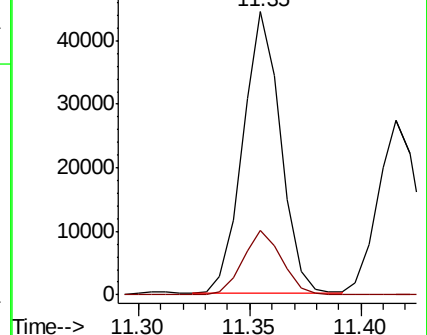
91 100

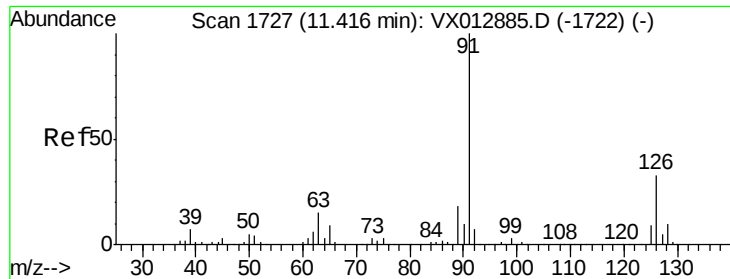
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





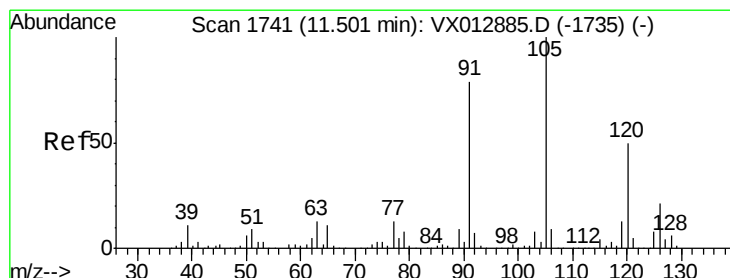
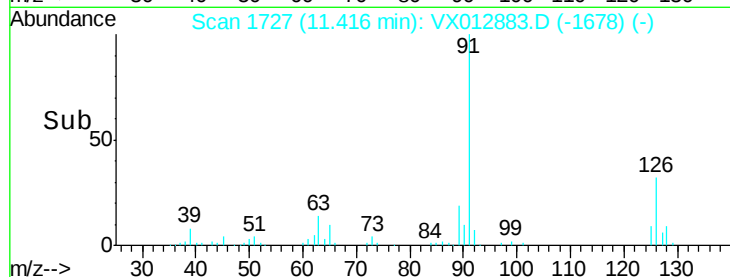
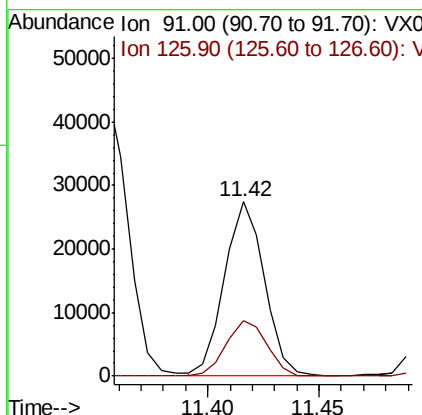
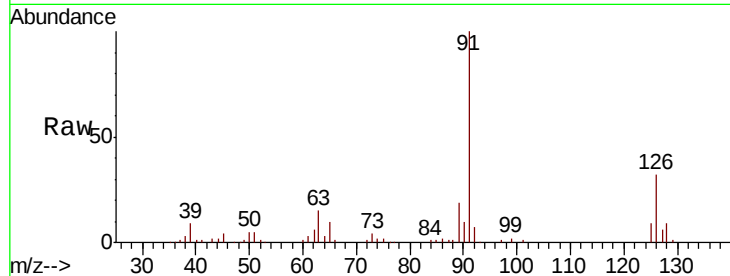
#79
 2-Chlorotoluene
 Concen: 4.805 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Tot Ion: 91 Resp: 34043
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.3 48.8

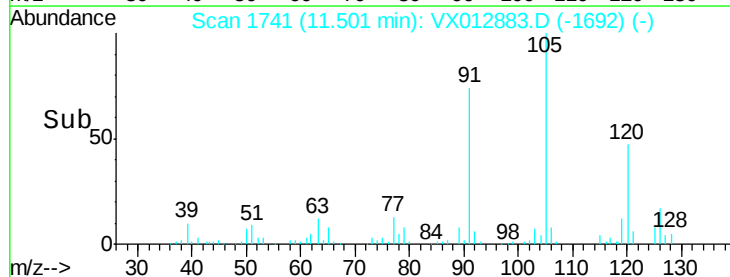
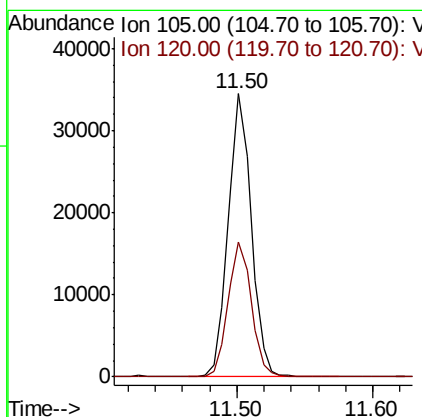
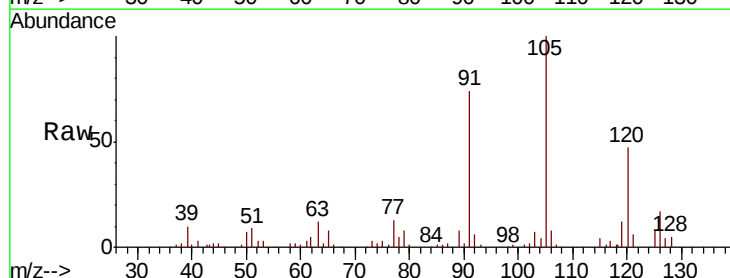
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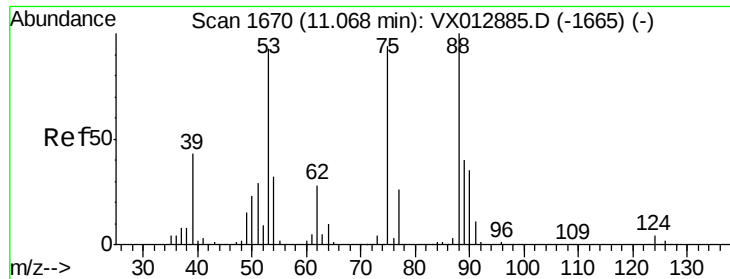
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.803 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 105 Resp: 40729
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.309 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 3732

Ion Ratio Lower Upper

75 100

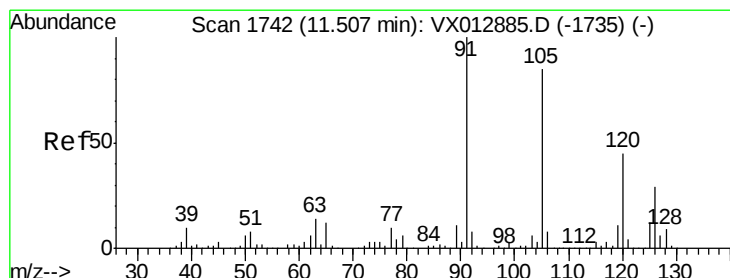
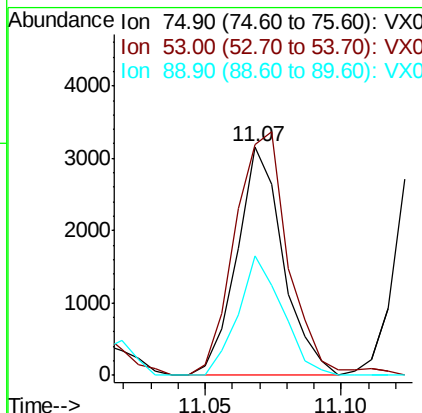
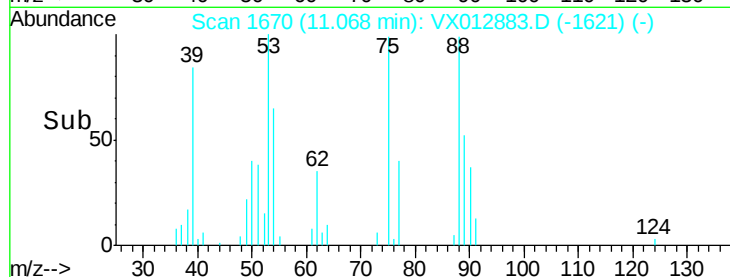
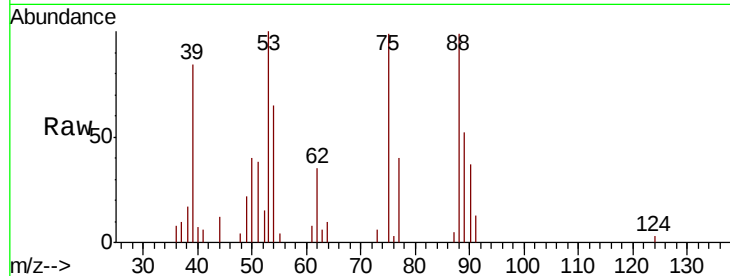
53 123.6 78.5 117.7#

89 50.0 37.4 56.2

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#82

4-Chlorotoluene

Concen: 4.732 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012883.D

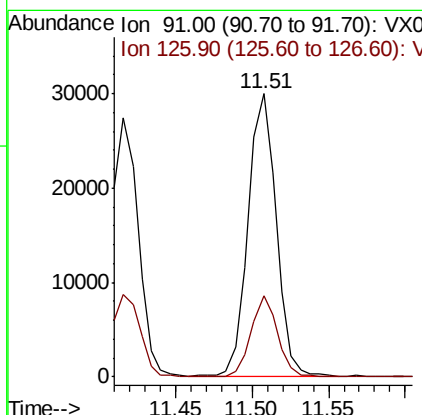
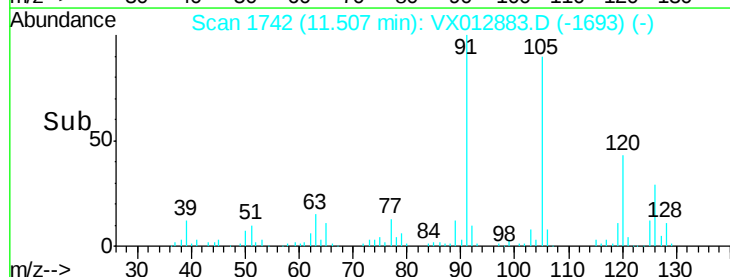
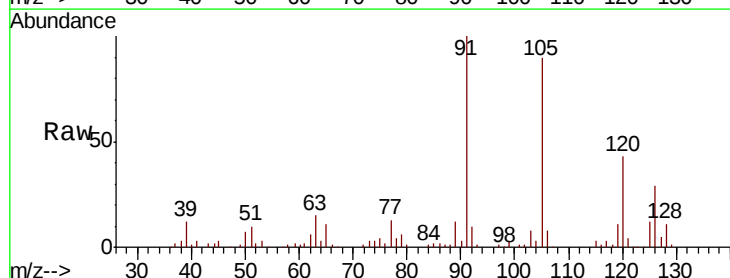
Acq: 08 Oct 2019 11:27

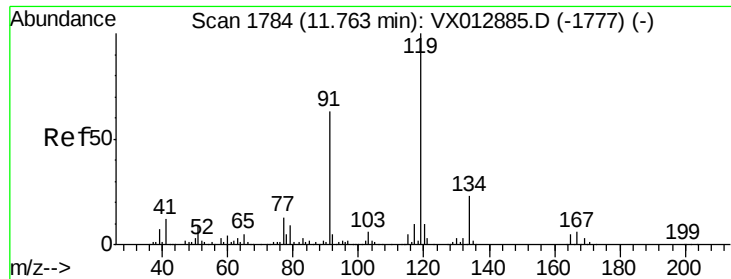
Tgt Ion: 91 Resp: 38247

Ion Ratio Lower Upper

91 100

126 27.2 14.2 42.6





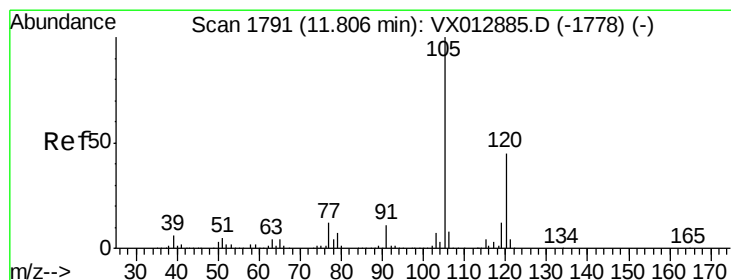
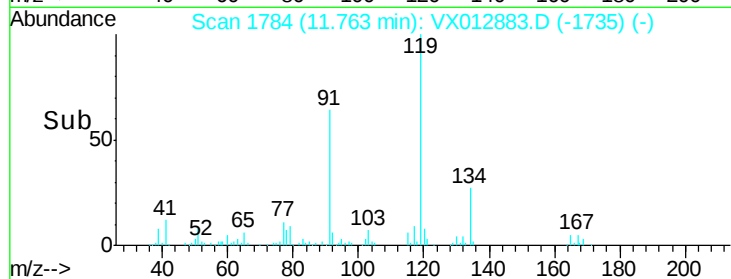
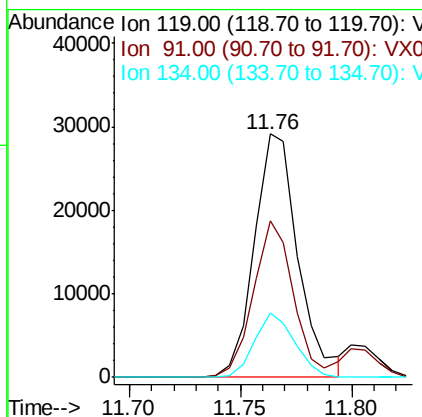
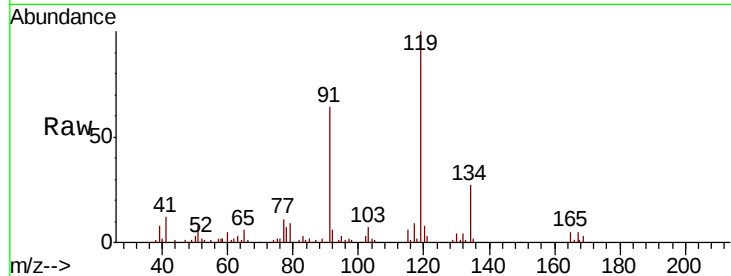
#83
tert-Butylbenzene
Concen: 4.840 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.3	87.9
134	24.5	11.5	34.4

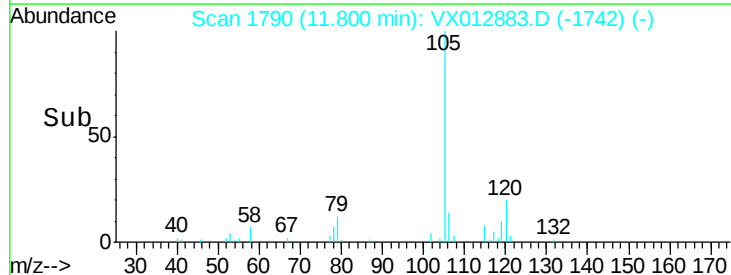
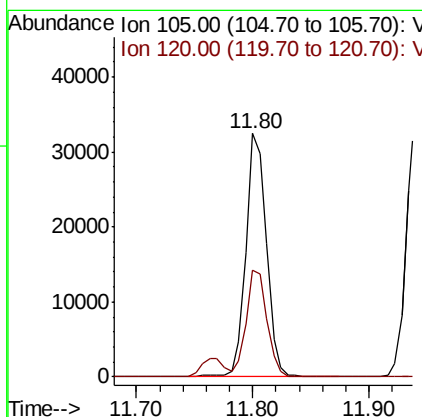
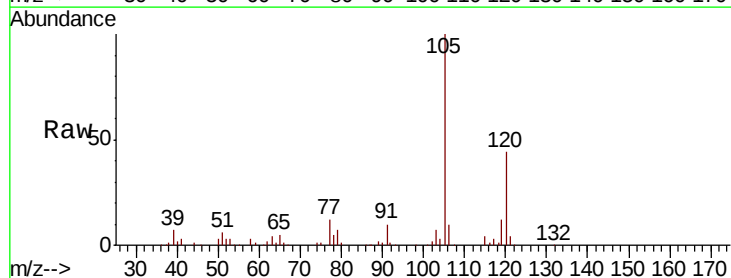
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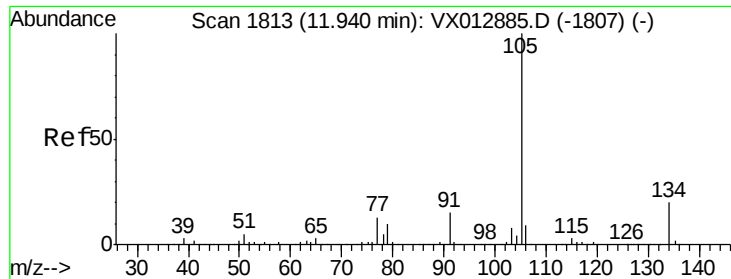
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.697 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.8	65.3





#85

sec-Butylbenzene

Concen: 4.802 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 45840

Ion Ratio Lower Upper

105 100

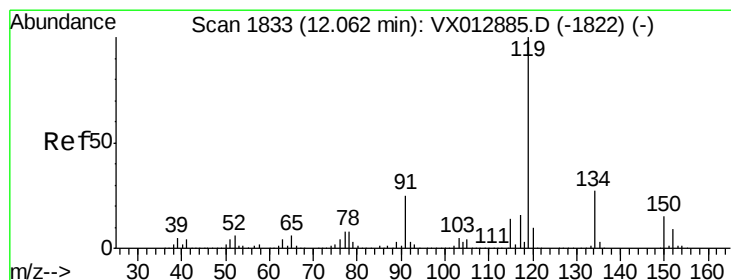
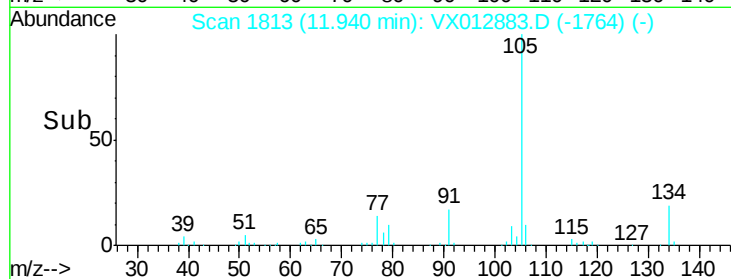
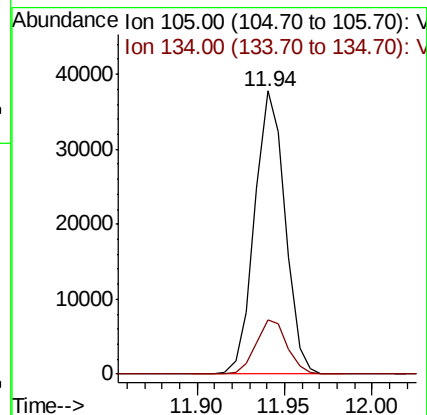
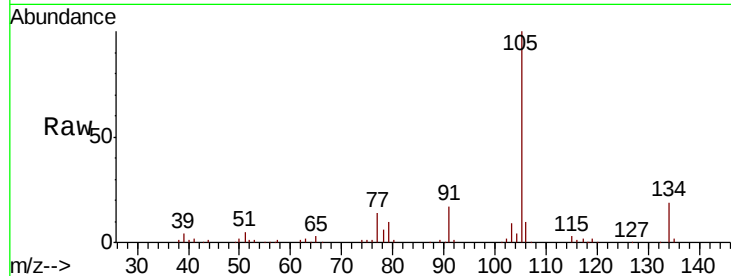
134 19.5 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 4.791 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

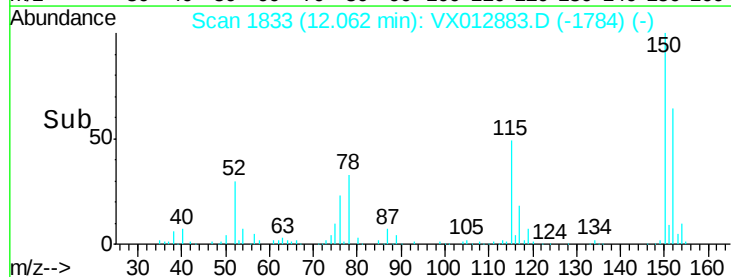
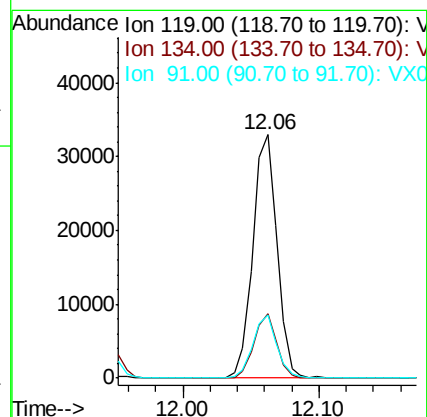
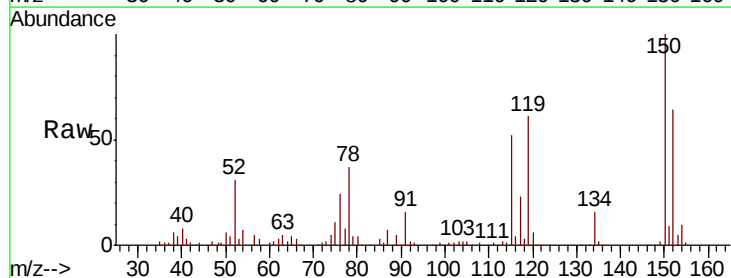
Tgt Ion:119 Resp: 41232

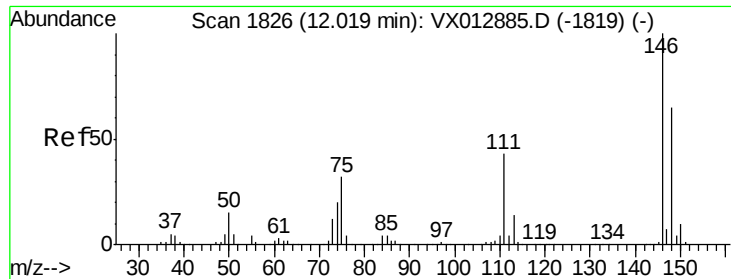
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 25.6 12.4 37.4





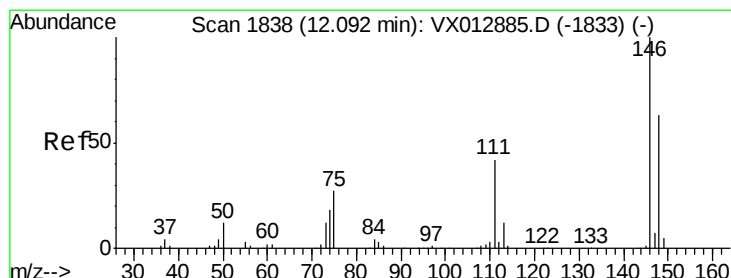
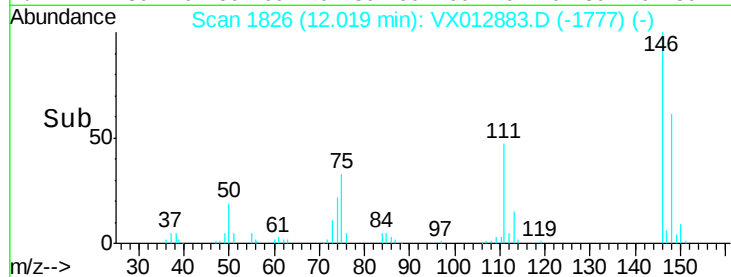
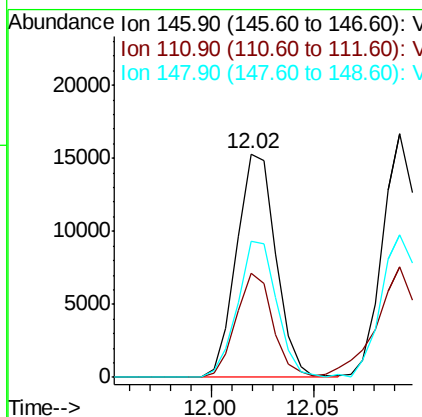
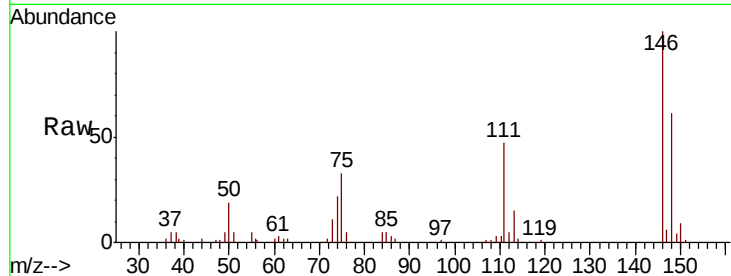
#87
 1,3-Dichlorobenzene
 Concen: 4.937 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	60.7	31.6	95.0

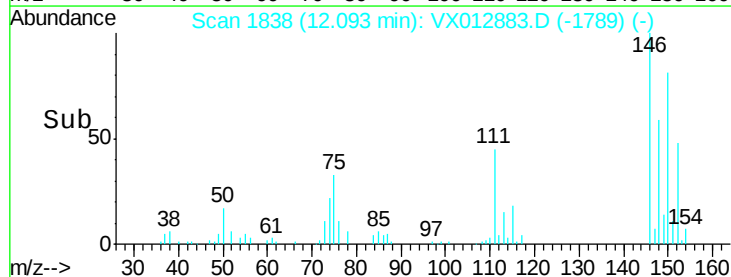
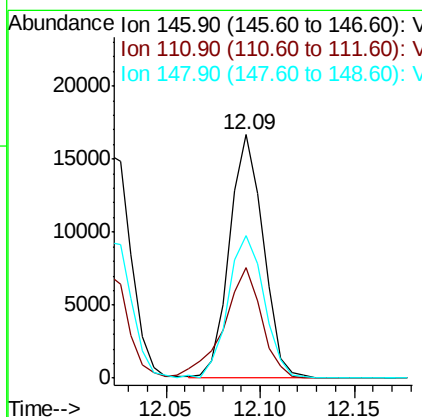
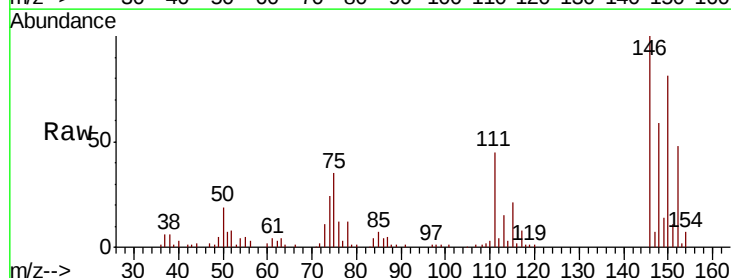
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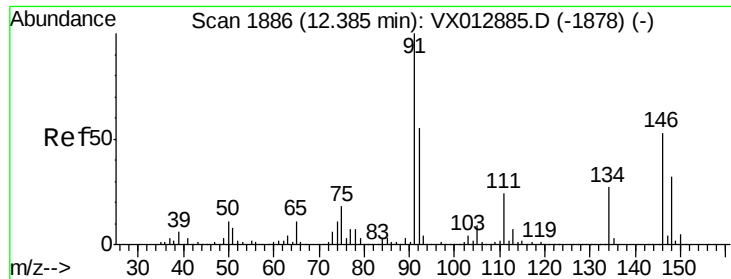
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#88
 1,4-Dichlorobenzene
 Concen: 4.933 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	21.4	64.3
148	63.2	32.1	96.5





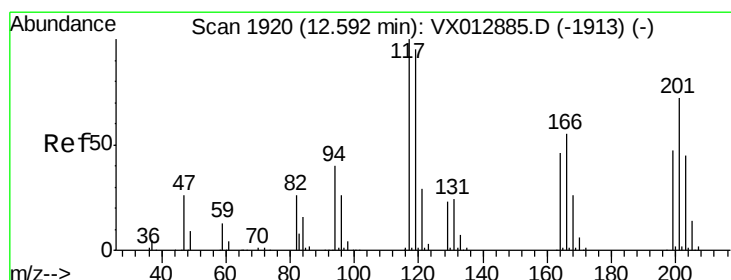
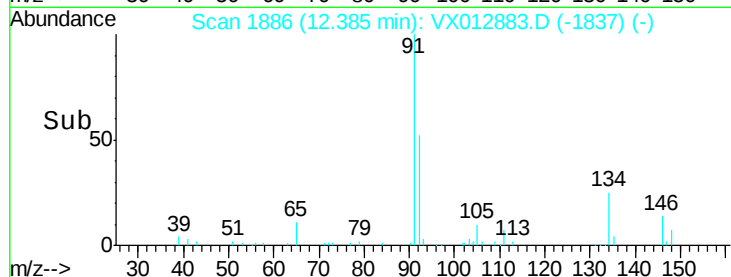
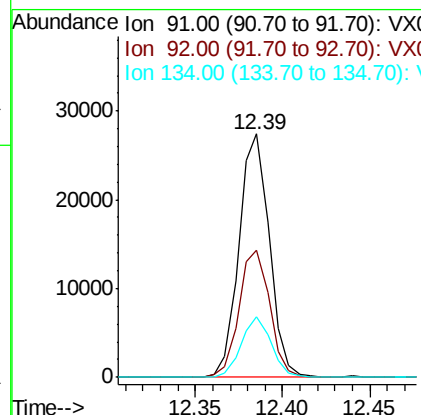
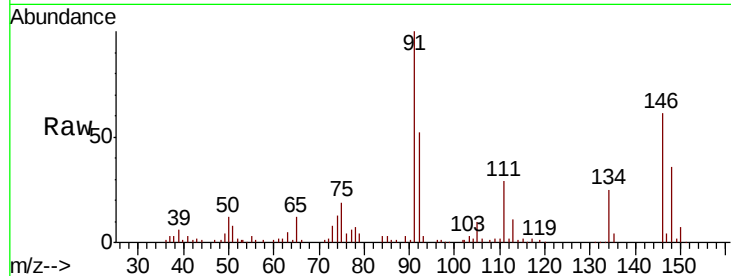
#89
n-Butylbenzene
Concen: 4.377 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.5	82.5
134	24.8	12.9	38.7

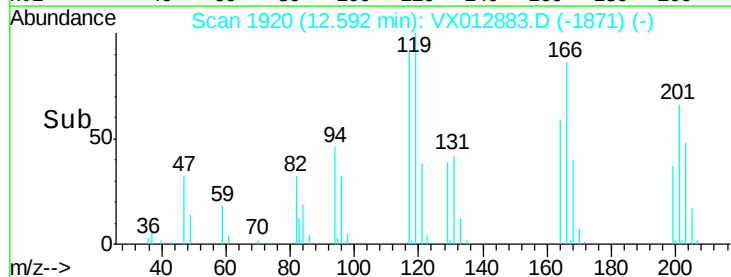
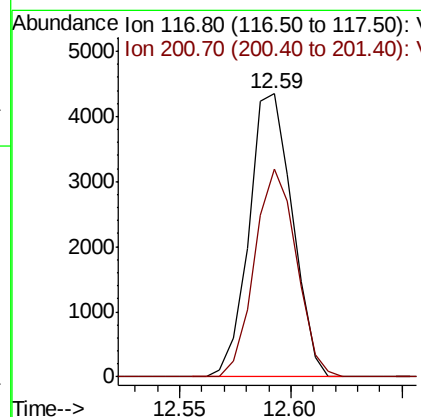
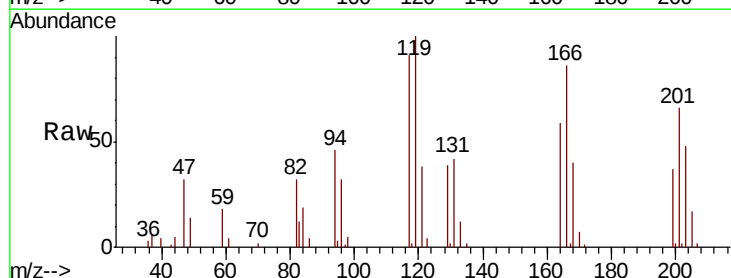
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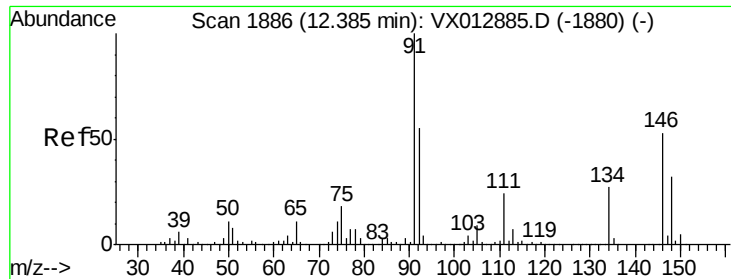
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#90
Hexachloroethane
Concen: 3.873 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	36.9	110.7





#91

1,2-Dichlorobenzene

Concen: 5.142 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_X

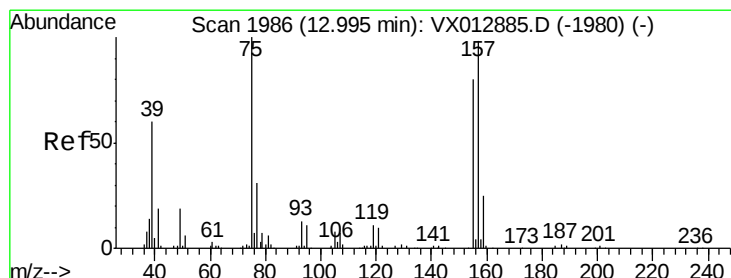
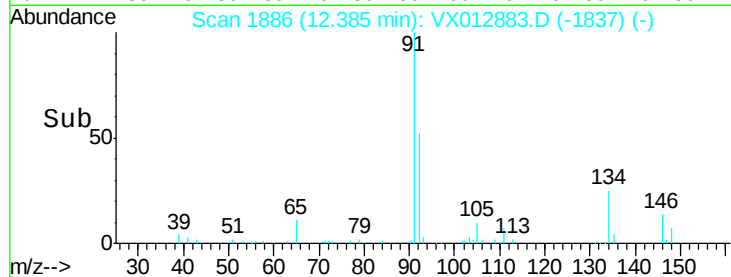
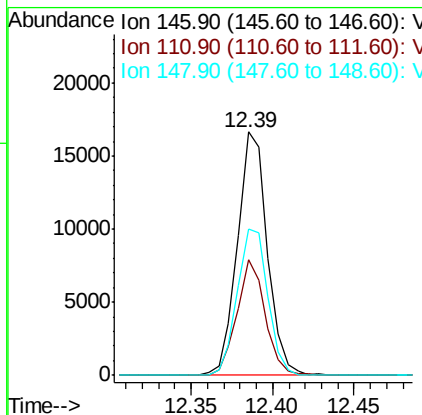
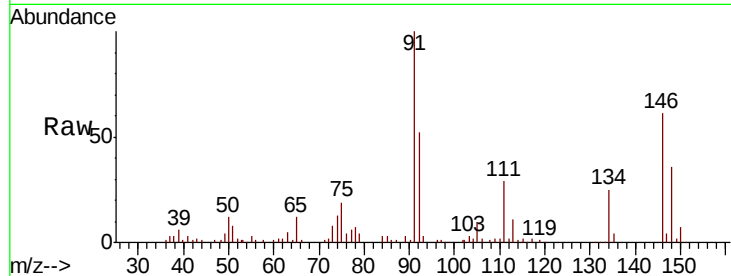
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	21279
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.7	68.0
148	61.6	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.463 ug/l

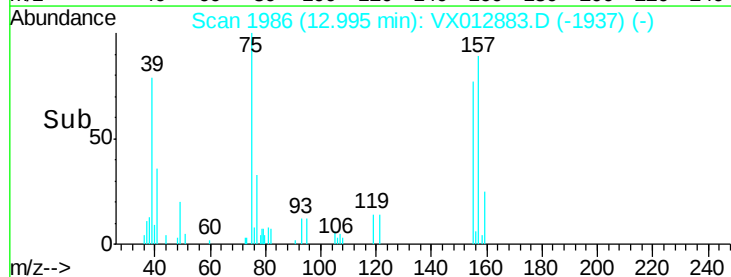
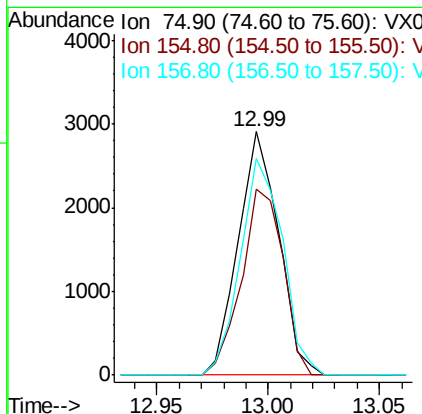
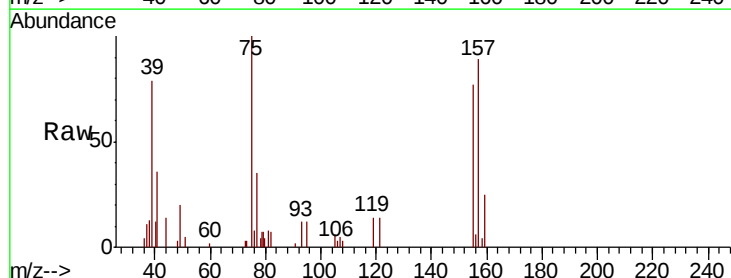
RT: 12.99 min Scan# 1986

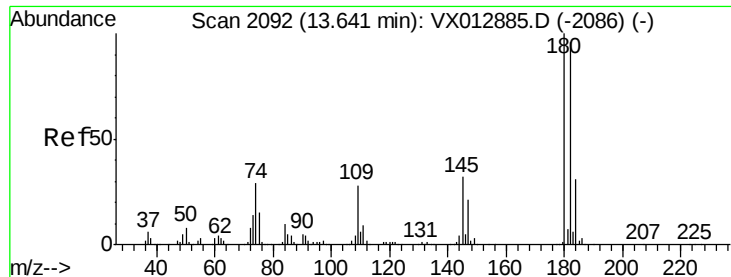
Delta R.T. 0.00 min

Lab File: VX012883.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	75	Resp:	3689
Ion	Ratio	Lower	Upper
75	100		
155	78.9	43.0	128.8
157	92.9	54.1	162.3





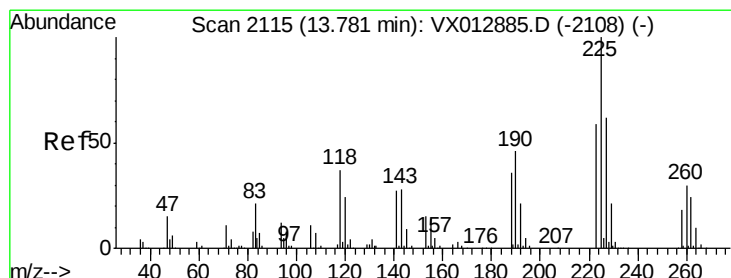
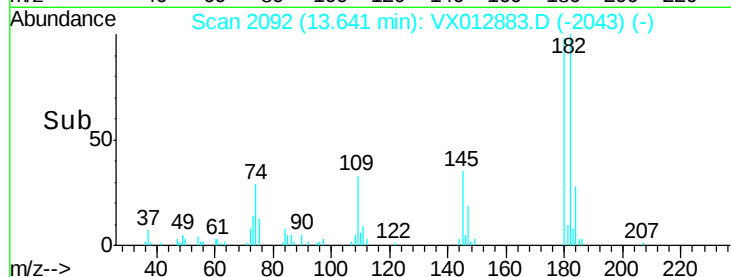
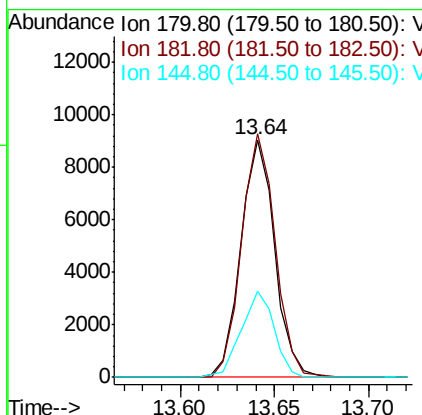
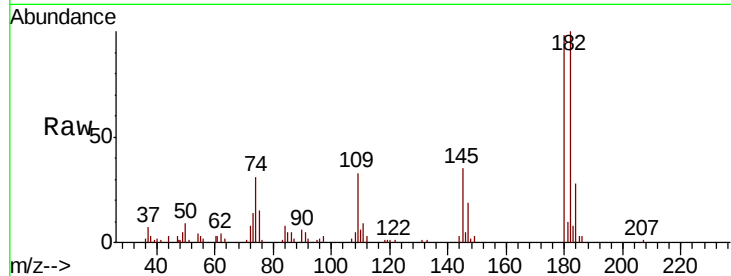
#93
 1,2,4-Trichlorobenzene
 Concen: 4.417 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	102.1	46.8	140.4	
145	35.5	16.2	48.6	

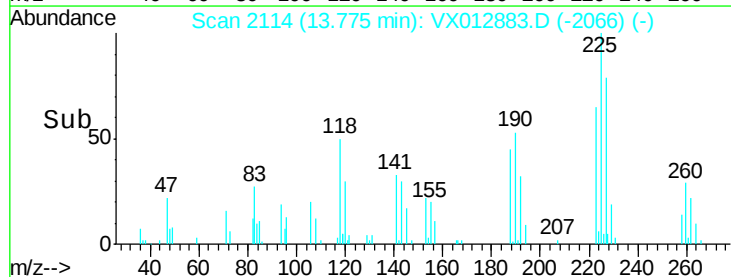
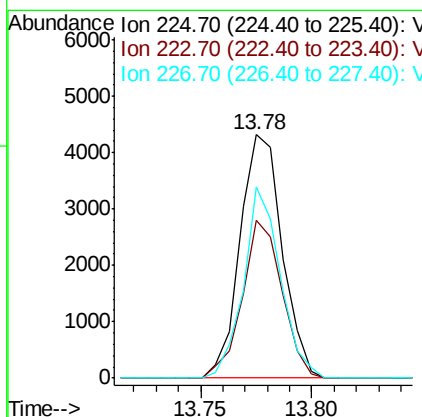
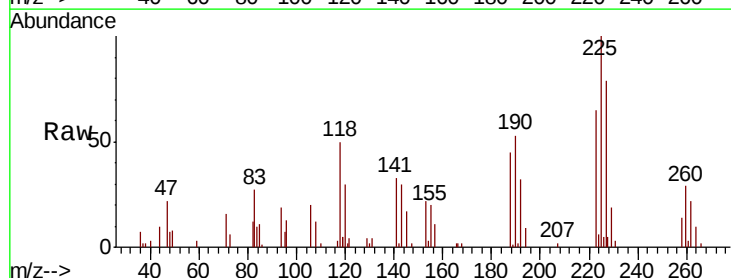
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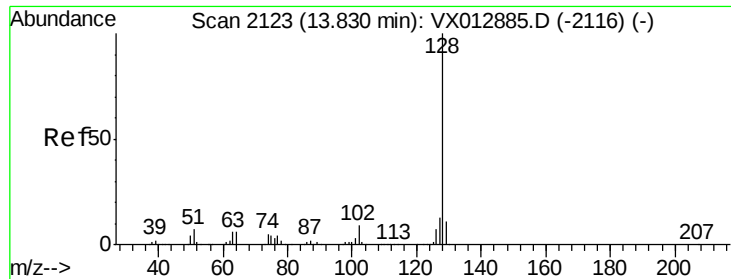
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#94
 Hexachlorobutadiene
 Concen: 5.169 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012883.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	31.1	93.2	
227	68.4	32.3	96.9	





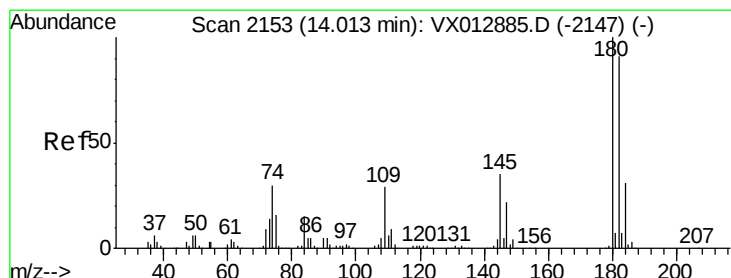
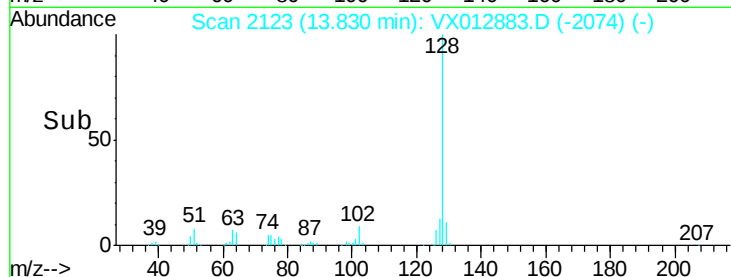
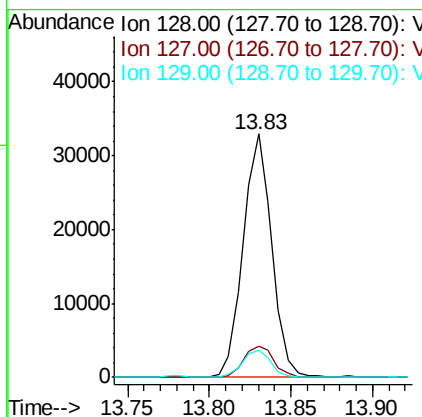
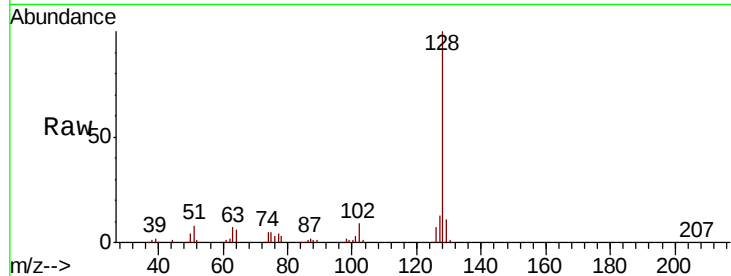
#95
Naphthalene
Concen: 4.440 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	11.1	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 4.966 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012883.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.5	142.5
145	33.2	17.4	52.3

