

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092419\
 Data File : VX012647.D
 Acq On : 24 Sep 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 9:29:28 AM

Quant Time: Sep 25 07:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	323556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	291336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	138875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	138856	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	5.48	113	102464	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	8.71	98	395264	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	11.14	95	158746	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	92661	45.840	ug/l	100
3) Chloromethane	1.32	50	106438	45.855	ug/l	100
4) Vinyl Chloride	1.40	62	113807	49.328	ug/l	98
5) Bromomethane	1.62	94	42696	47.068	ug/l	100
6) Chloroethane	1.71	64	69779	44.864	ug/l	95
7) Trichlorofluoromethane	1.92	101	157937	48.757	ug/l	97
8) Diethyl Ether	2.18	74	65802	49.569	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	98594	49.973	ug/l	96
10) Methyl Iodide	2.50	142	104395	50.204	ug/l	94
11) Tert butyl alcohol	3.04	59	172161	263.390	ug/l	100
12) 1,1-Dichloroethene	2.36	96	99379	51.440	ug/l	98
13) Acrolein	2.28	56	84853	233.734	ug/l	100
14) Allyl chloride	2.72	41	192277	50.164	ug/l	98
15) Acrylonitrile	3.13	53	343425	258.976	ug/l	98
16) Acetone	2.44	43	300623	216.909	ug/l	98
17) Carbon Disulfide	2.56	76	249597	46.084	ug/l	99
18) Methyl Acetate	2.76	43	166545	51.034	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	382578	52.318	ug/l	99
20) Methylene Chloride	2.84	84	115977	49.475	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	107607	50.276	ug/l	99
22) Diisopropyl ether	3.84	45	384994	51.982	ug/l	98
23) Vinyl Acetate	3.80	43	1680408	258.724	ug/l	98
24) 1,1-Dichloroethane	3.69	63	206029	51.176	ug/l	98
25) 2-Butanone	4.66	43	491443	247.300	ug/l	97
26) 2,2-Dichloropropane	4.57	77	160147	44.726	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	126831	51.071	ug/l	94
28) Bromochloromethane	5.00	49	74387	50.887	ug/l	100
29) Tetrahydrofuran	5.12	42	321461	265.401	ug/l	98
30) Chloroform	5.20	83	207070	50.274	ug/l	100
31) Cyclohexane	5.57	56	187823	51.570	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	184496	50.541	ug/l	99
36) 1,1-Dichloropropene	5.79	75	157016	50.346	ug/l	98
37) Ethyl Acetate	4.82	43	189253	51.905	ug/l	98
38) Carbon Tetrachloride	5.78	117	152745	48.214	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187030	49.814	ug/l	96
40) Benzene	6.13	78	463060	50.463	ug/l	98
41) Methacrylonitrile	5.03	41	103814	50.747	ug/l	95
42) 1,2-Dichloroethane	6.18	62	175862	50.469	ug/l	99
43) Isopropyl Acetate	6.43	43	307845	50.488	ug/l	98
44) Trichloroethene	7.20	130	117052	49.897	ug/l	93
45) 1,2-Dichloropropane	7.51	63	121062	51.531	ug/l	98
46) Dibromomethane	7.65	93	80711	50.459	ug/l	95
47) Bromodichloromethane	7.89	83	157355	49.221	ug/l	98
48) Methyl methacrylate	7.76	41	150447	51.458	ug/l	95
49) 1,4-Dioxane	7.73	88	69463	1047.475	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	973218	258.569	ug/l	97
52) Toluene	8.78	92	294358	51.039	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	183582	51.902	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	193937	50.218	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	118426	51.649	ug/l	97
56) Ethyl methacrylate	9.17	69	203872	52.925	ug/l	94
57) 1,3-Dichloropropane	9.37	76	206114	51.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	468893	271.176	ug/l	99
59) 2-Hexanone	9.49	43	757392	262.892	ug/l	96
60) Dibromochloromethane	9.58	129	118752	51.162	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125194	52.464	ug/l	100
64) Tetrachloroethene	9.33	164	103753	51.078	ug/l	95
65) Chlorobenzene	10.14	112	306864	50.019	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	112219	50.485	ug/l	98
67) Ethyl Benzene	10.25	91	572864	51.483	ug/l	99
68) m/p-Xylenes	10.35	106	423683	101.645	ug/l	98
69) o-Xylene	10.70	106	208159	51.610	ug/l	99
70) Styrene	10.71	104	364847	53.960	ug/l	99
71) Bromoform	10.85	173	79773	51.541	ug/l	100
73) Isopropylbenzene	11.01	105	554704	49.042	ug/l	100
74) N-amyl acetate	10.89	43	277309	51.391	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	185019	49.391	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	181822m	49.494	ug/l	
77) Bromobenzene	11.25	156	126285	49.331	ug/l	97
78) n-propylbenzene	11.35	91	635305	49.890	ug/l	99
79) 2-Chlorotoluene	11.42	91	383761	48.310	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	478333	50.430	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	61620	48.070	ug/l	95
82) 4-Chlorotoluene	11.51	91	448170	49.491	ug/l	98
83) tert-Butylbenzene	11.77	119	444413	48.571	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	482638	50.441	ug/l	99
85) sec-Butylbenzene	11.94	105	534168	50.194	ug/l	99
86) p-Isopropyltoluene	12.06	119	496386	51.693	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	232829	50.539	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	236113	50.719	ug/l	98
89) n-Butylbenzene	12.39	91	435316	51.446	ug/l	99
90) Hexachloroethane	12.59	117	82942	48.449	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	234273	50.794	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	49451	52.773	ug/l	97

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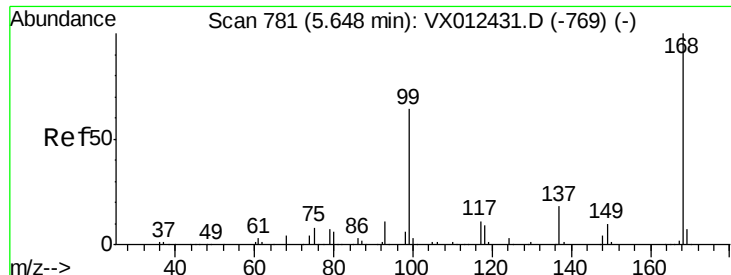
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	150916	53.654	ug/l	97
94) Hexachlorobutadiene	13.78	225	61562	50.875	ug/l	99
95) Naphthalene	13.83	128	589723	57.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	154551	54.851	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 179685

Ion Ratio Lower Upper

168 100

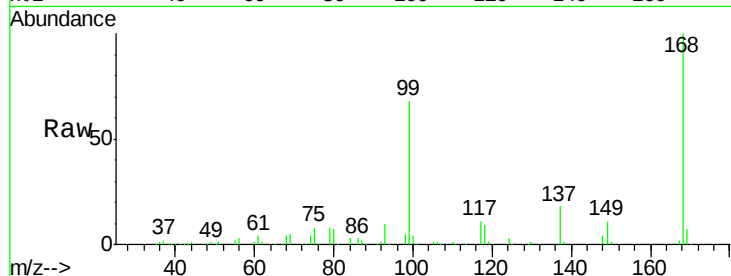
99 68.0 51.4 77.2

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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

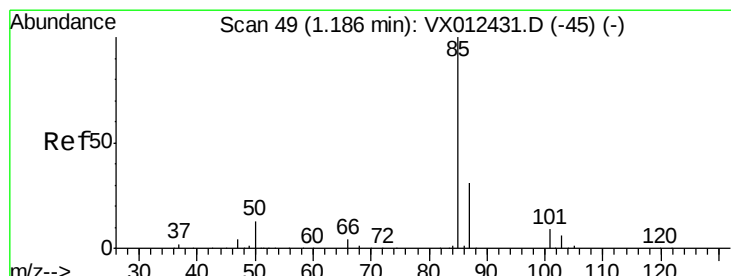
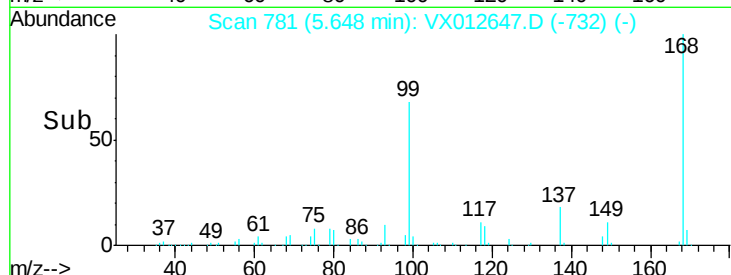
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.840 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012647.D

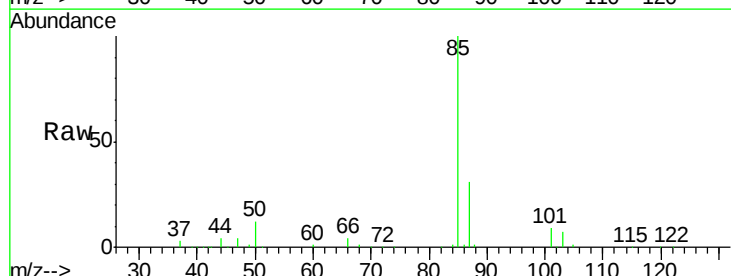
Acq: 24 Sep 2019 20:48

Tgt Ion: 85 Resp: 92661

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

60000

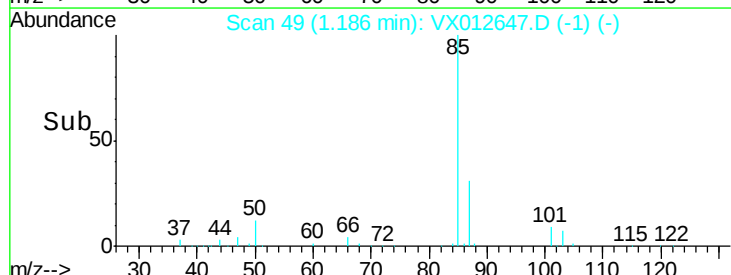
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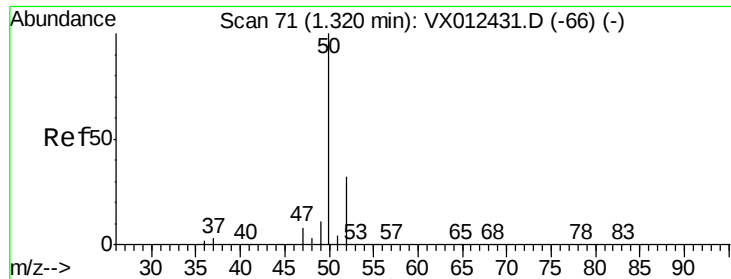
20000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 45.855 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106438

Ion Ratio Lower Upper

50 100

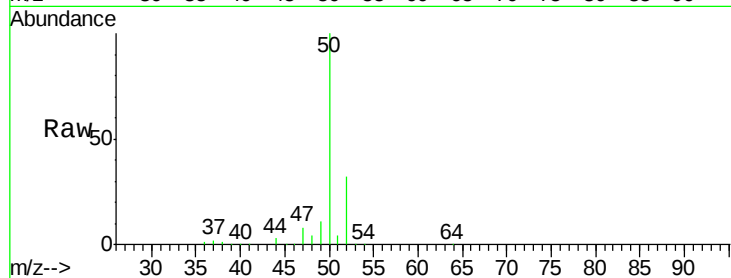
52 31.9 25.7 38.5

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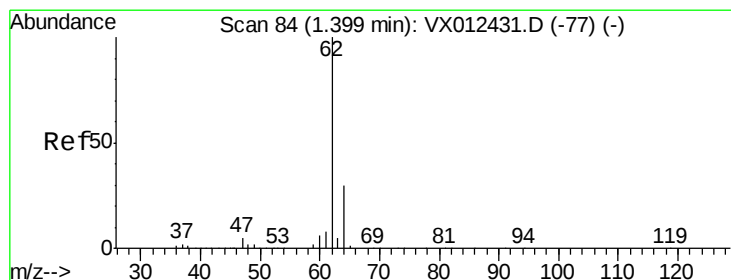
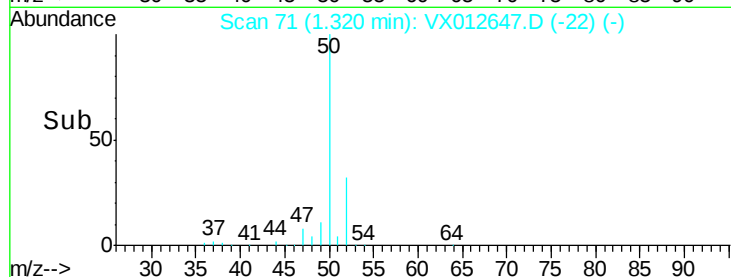
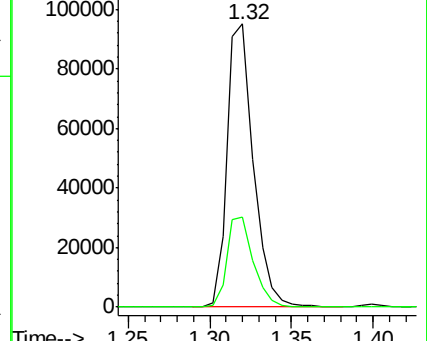
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.328 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012647.D

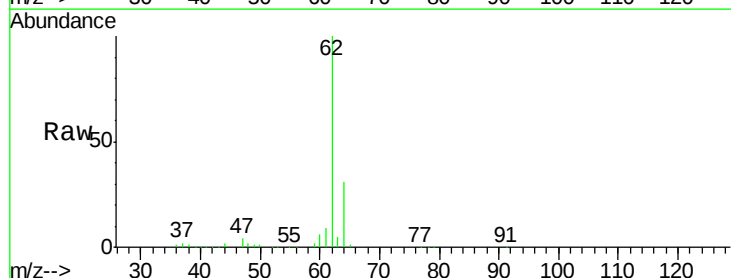
Acq: 24 Sep 2019 20:48

Tgt Ion: 62 Resp: 113807

Ion Ratio Lower Upper

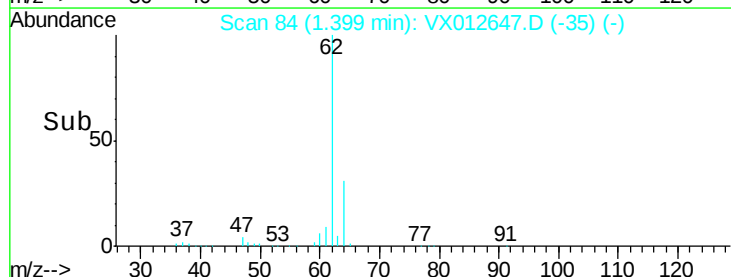
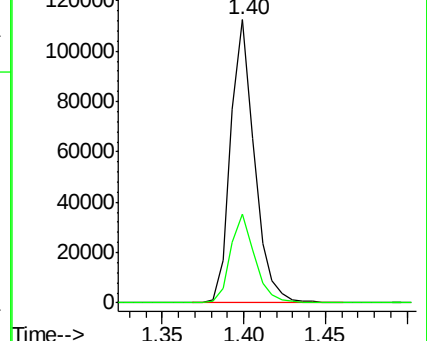
62 100

64 31.0 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.068 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 42696

Ion Ratio Lower Upper

94 100

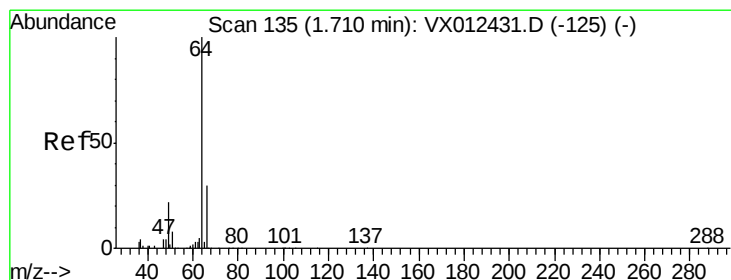
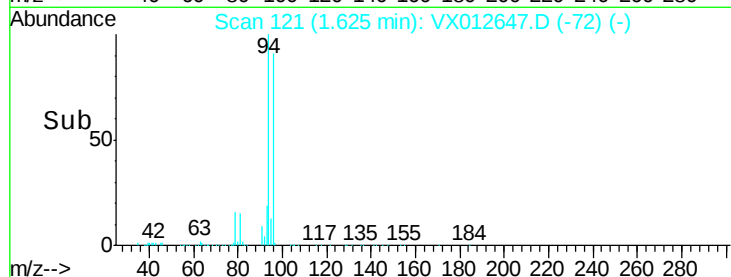
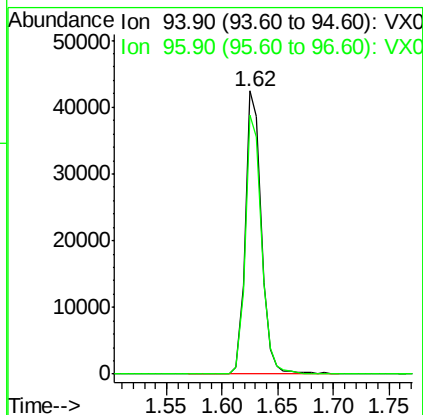
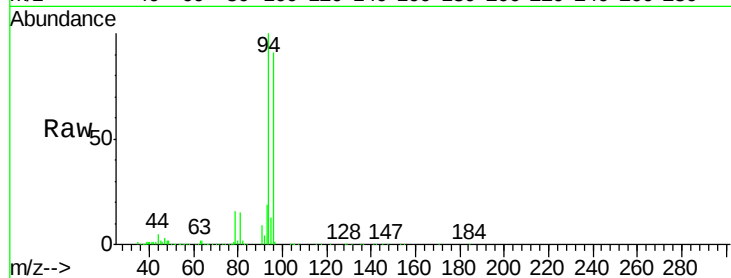
96 91.3 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 44.864 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012647.D

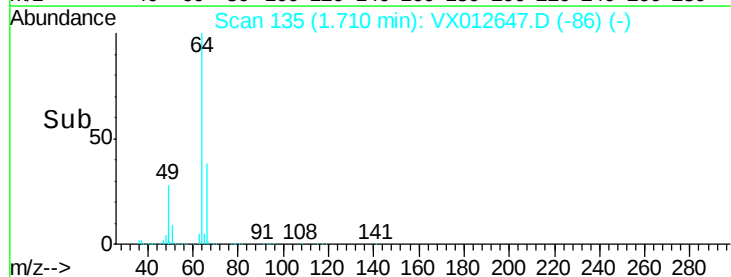
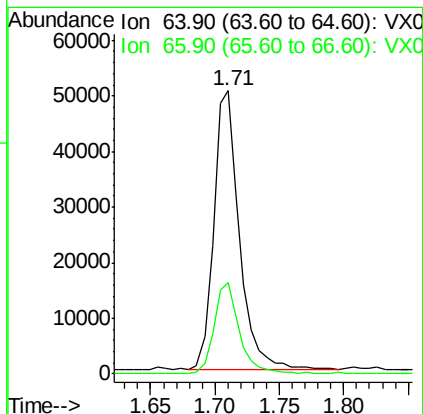
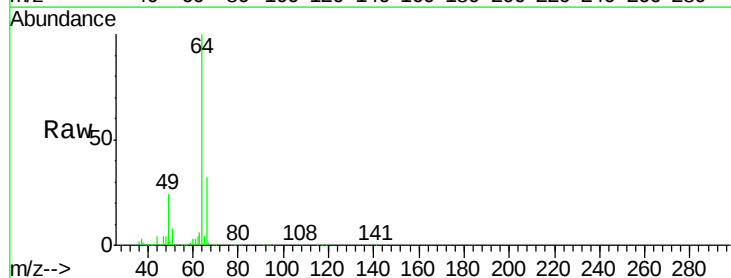
Acq: 24 Sep 2019 20:48

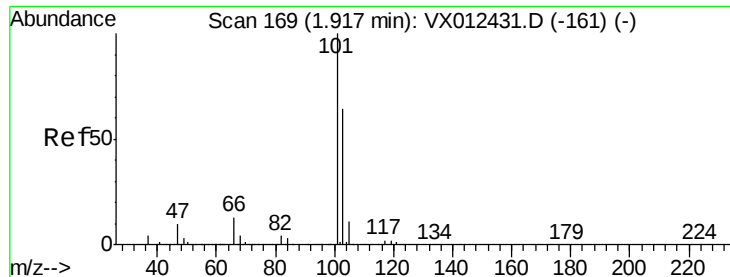
Tgt Ion: 64 Resp: 69779

Ion Ratio Lower Upper

64 100

66 32.5 24.0 36.0





#7

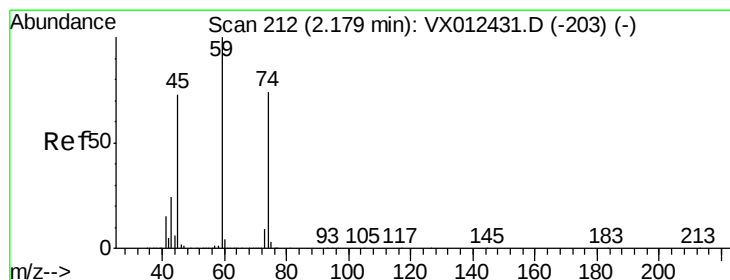
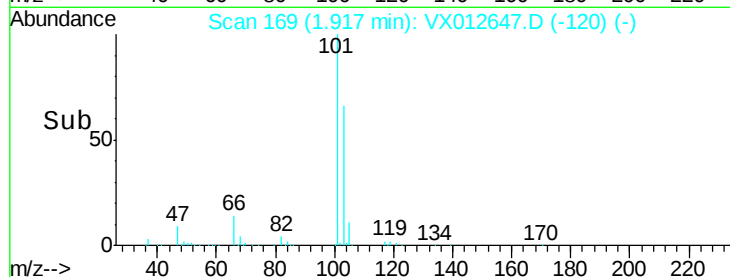
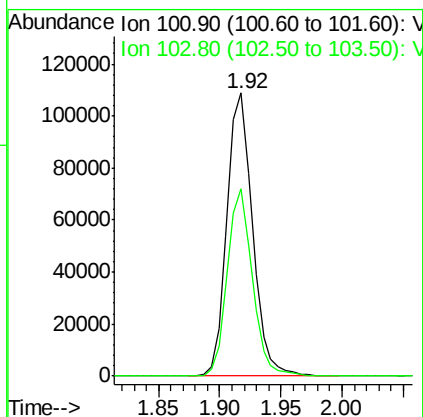
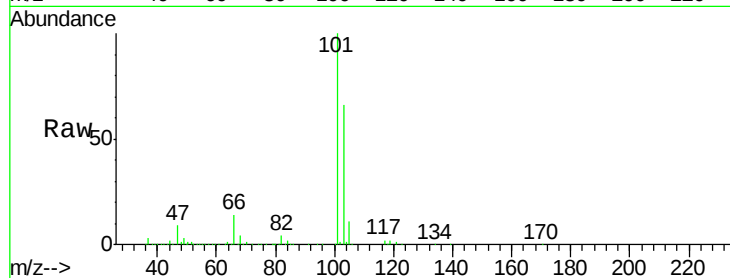
Trichlorofluoromethane
Concen: 48.757 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.0	76.4

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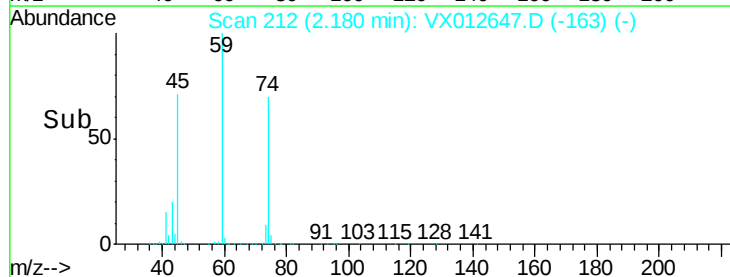
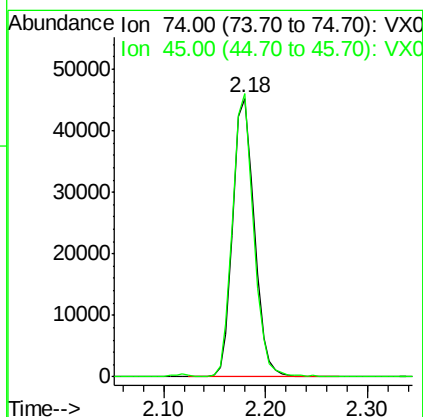
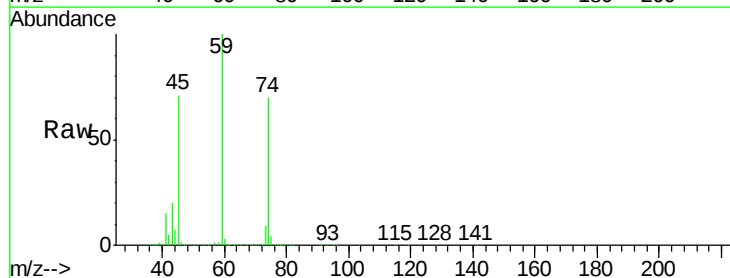
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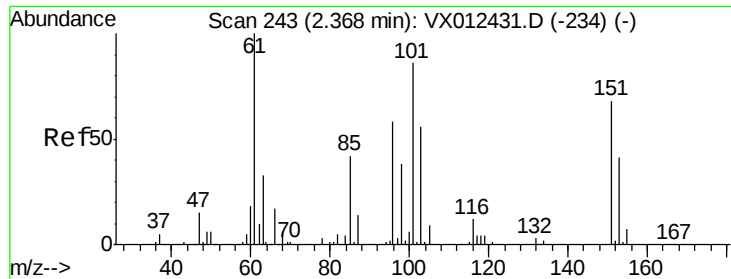


#8

Diethyl Ether
Concen: 49.569 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.973 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012647.D

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MSVOA_X

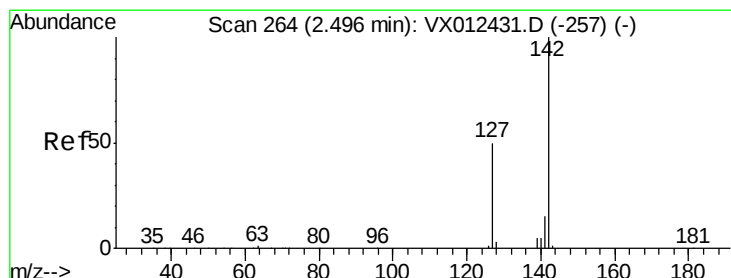
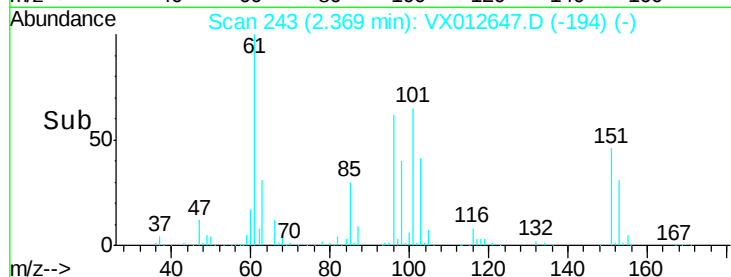
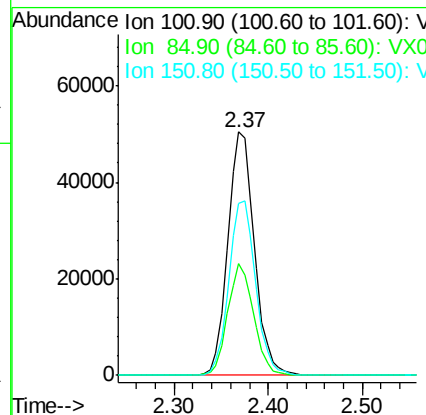
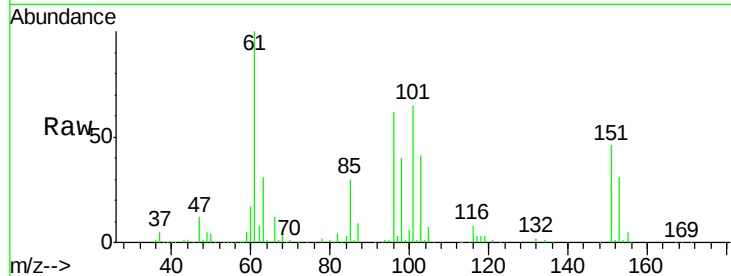
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98594
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.3	55.9
151	72.3	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.204 ug/l

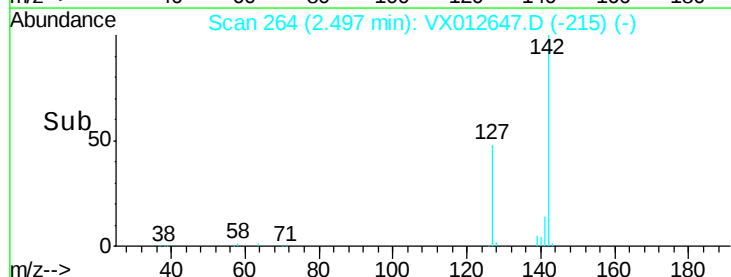
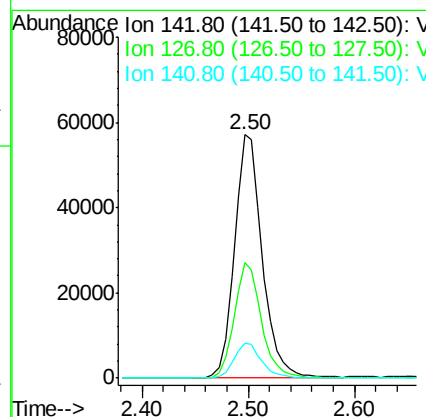
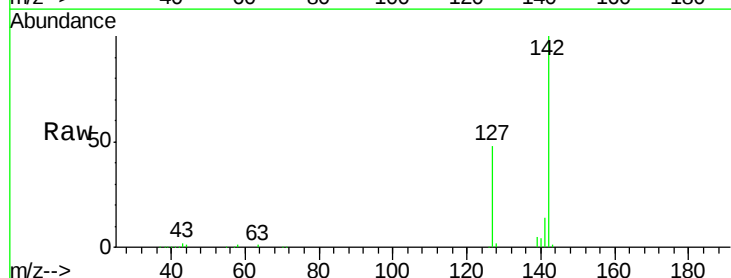
RT: 2.50 min Scan# 264

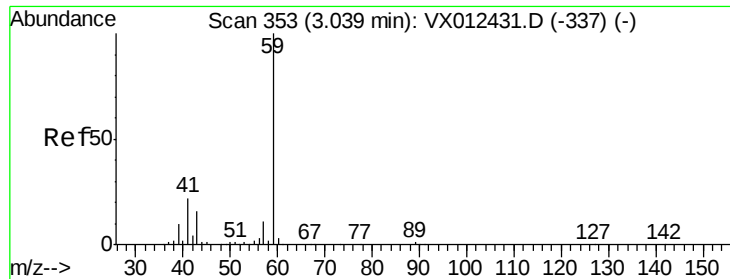
Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion:	142	Resp:	104395
Ion Ratio	Lower	Upper	
142	100		
127	46.5	40.8	61.2
141	14.2	12.1	18.1





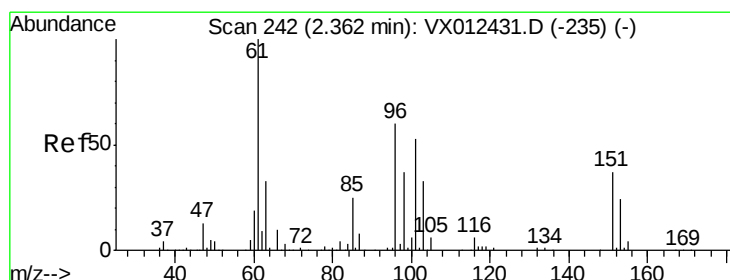
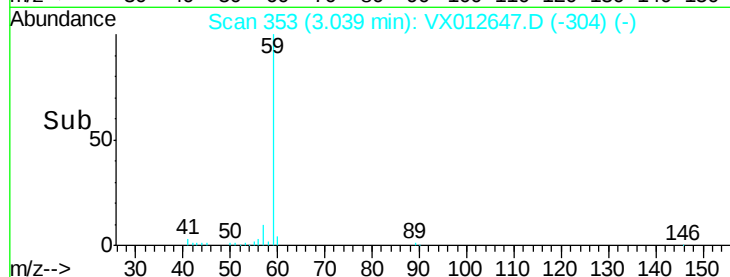
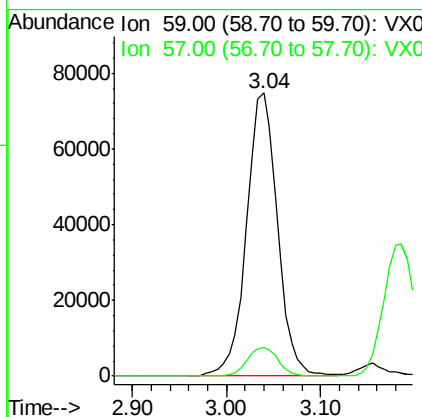
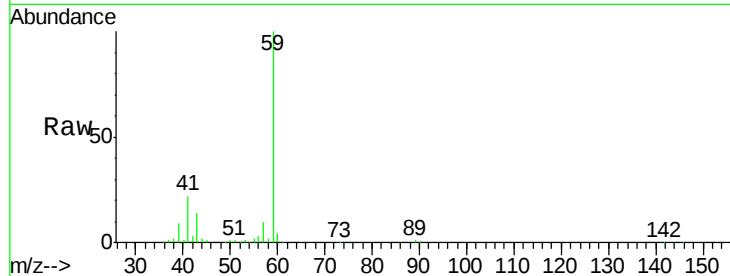
#11
Tert butyl alcohol
Concen: 263.390 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 172161
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

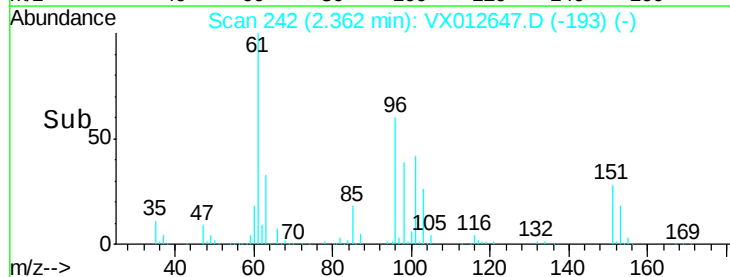
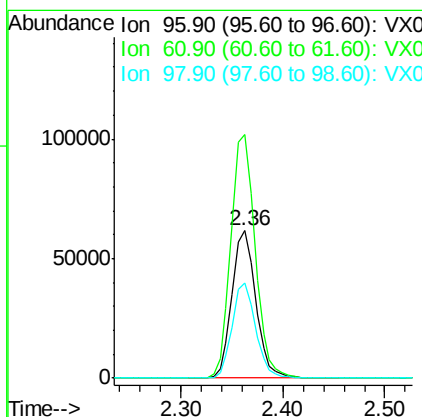
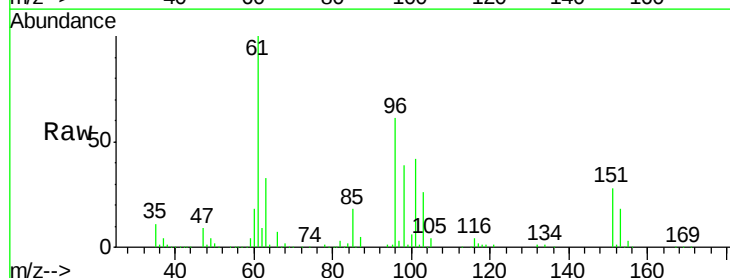
Manual Integrations
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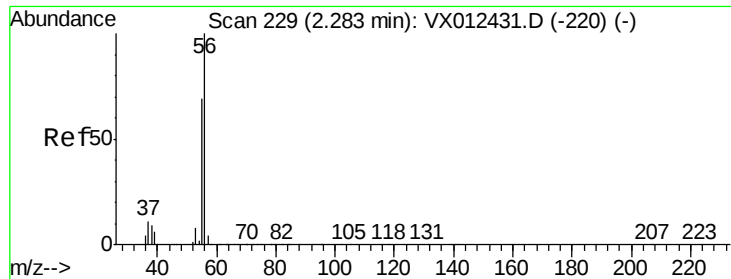
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#12
1,1-Dichloroethene
Concen: 51.440 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion: 96 Resp: 99379
Ion Ratio Lower Upper
96 100
61 165.1 133.8 200.6
98 64.3 49.9 74.9





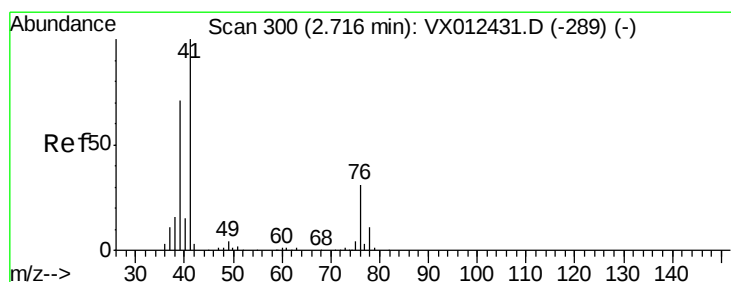
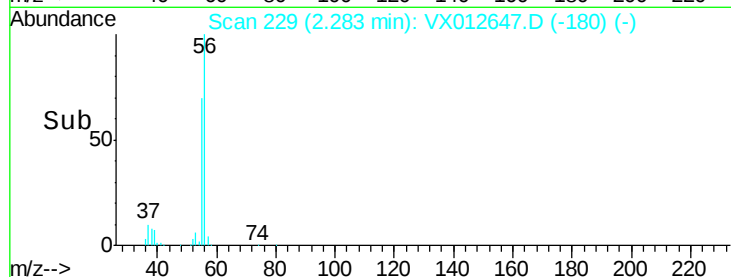
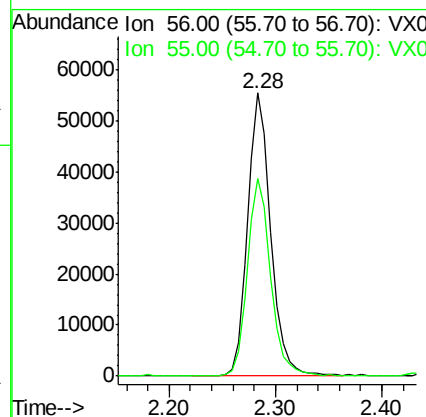
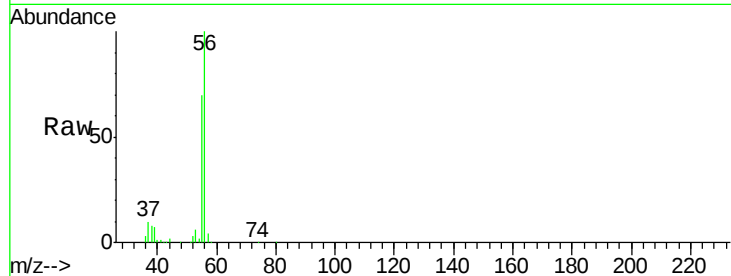
#13
Acrolein
Concen: 233.734 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.8	83.8

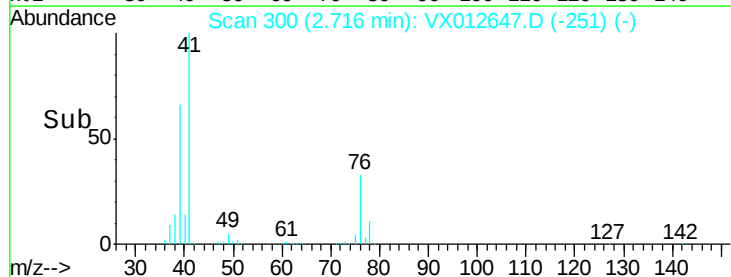
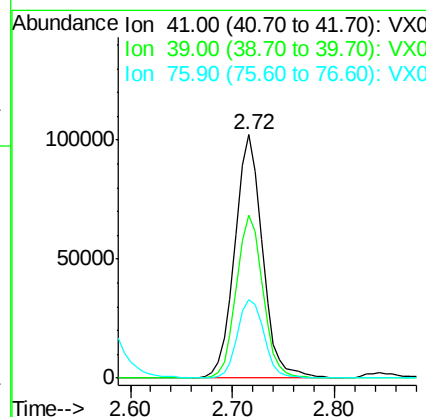
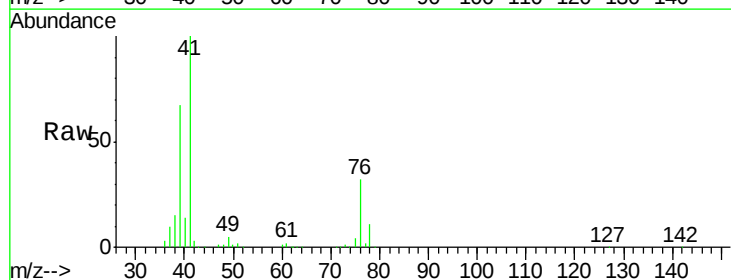
Manual Integrations
APPROVED

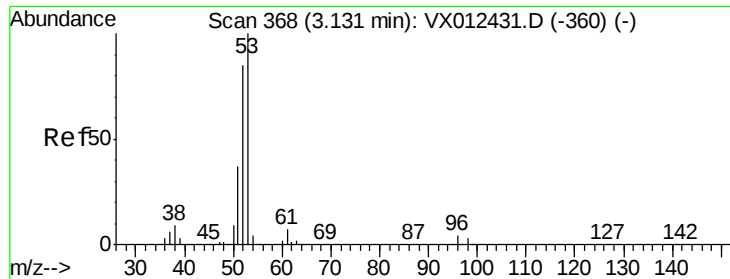
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#14
Allyl chloride
Concen: 50.164 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	51.3	76.9
76	31.2	22.6	33.8





#15

Acrylonitrile

Concen: 258.976 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

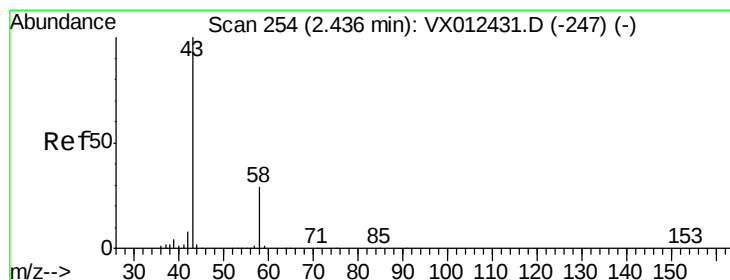
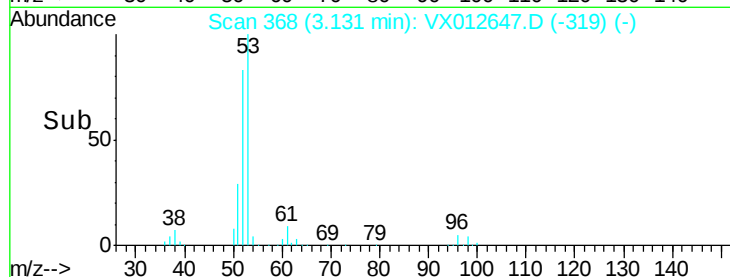
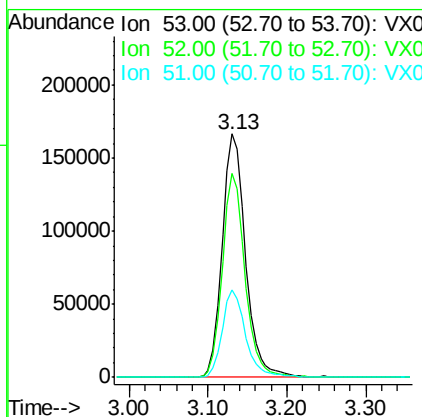
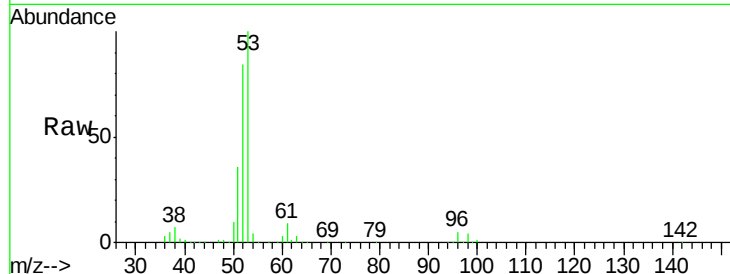
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	343425
Ion Ratio		Lower	Upper
53	100		
52	81.5	67.0	100.4
51	35.9	29.6	44.4

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#16

Acetone

Concen: 216.909 ug/l

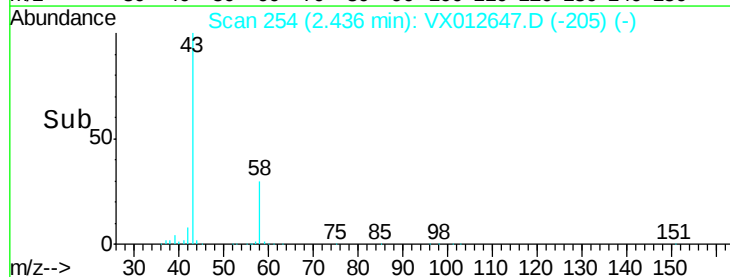
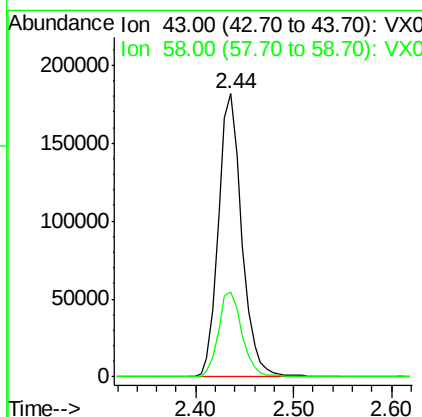
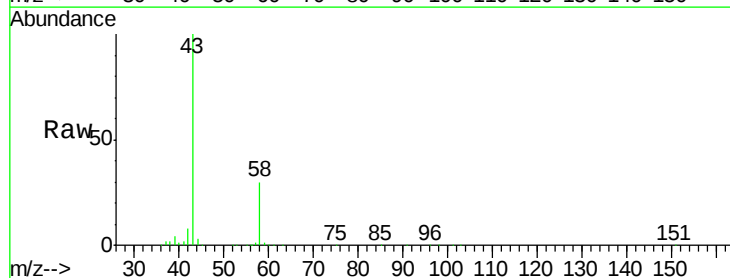
RT: 2.44 min Scan# 254

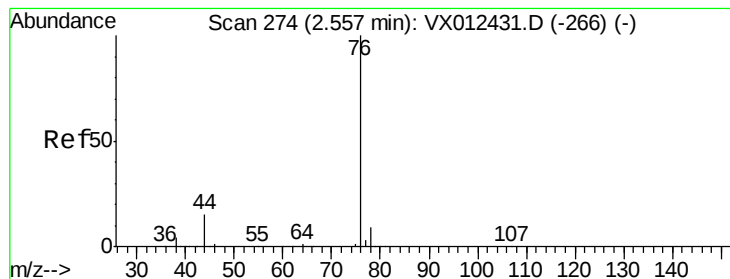
Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion:	43	Resp:	300623
Ion Ratio		Lower	Upper
43	100		
58	30.2	23.3	34.9





#17

Carbon Disulfide

Concen: 46.084 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 249597

Ion Ratio Lower Upper

76 100

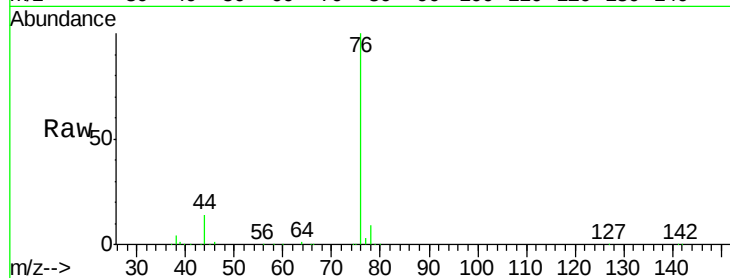
78 8.6 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

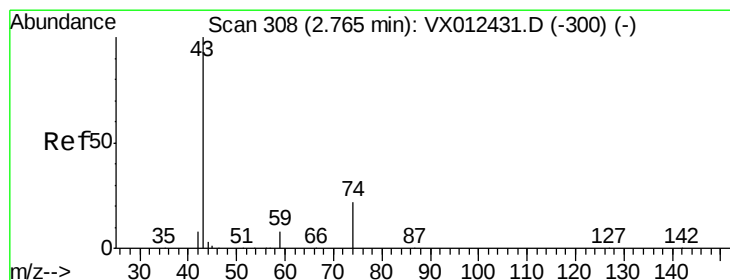
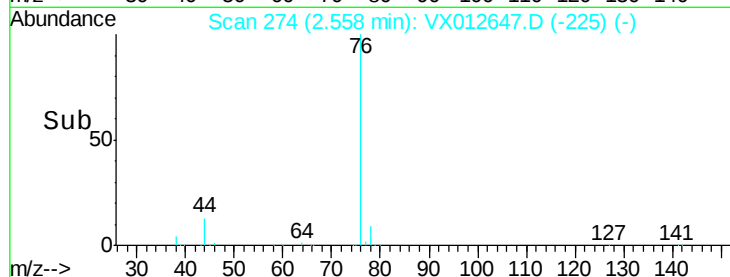
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.034 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012647.D

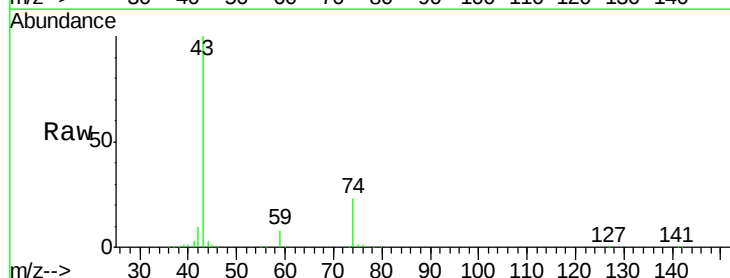
Acq: 24 Sep 2019 20:48

Tgt Ion: 43 Resp: 166545

Ion Ratio Lower Upper

43 100

74 23.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

100000

80000

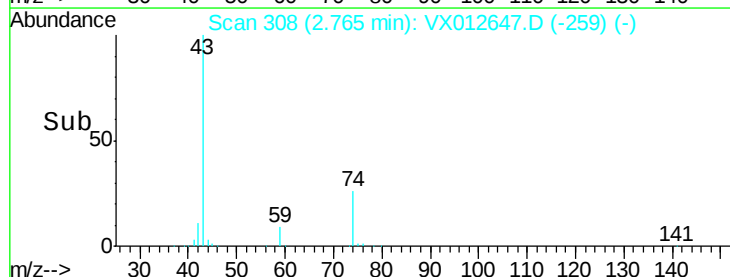
60000

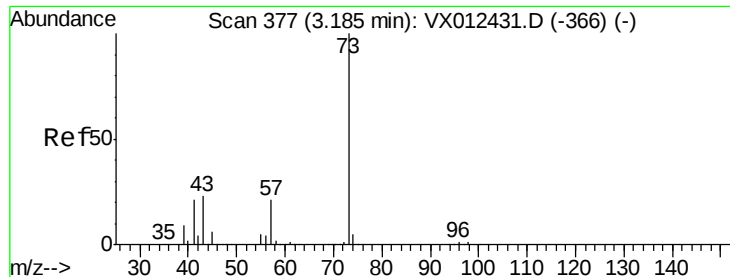
40000

20000

0

Time-->





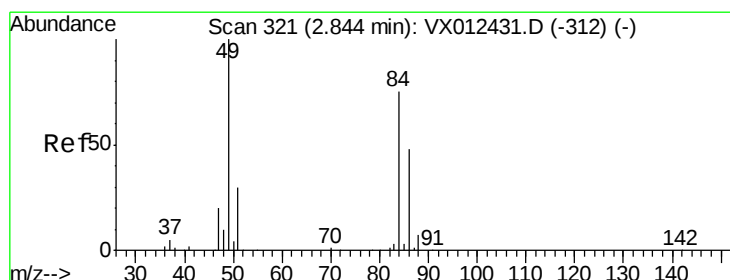
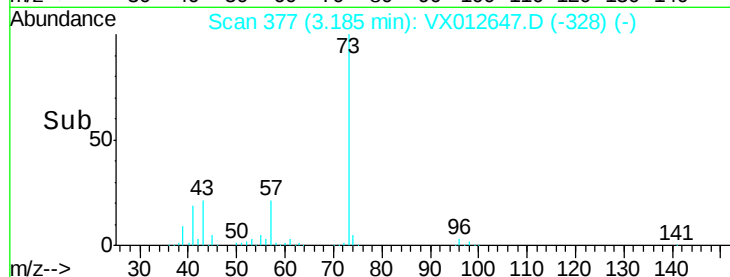
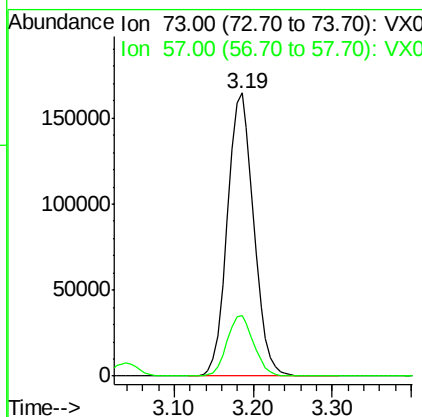
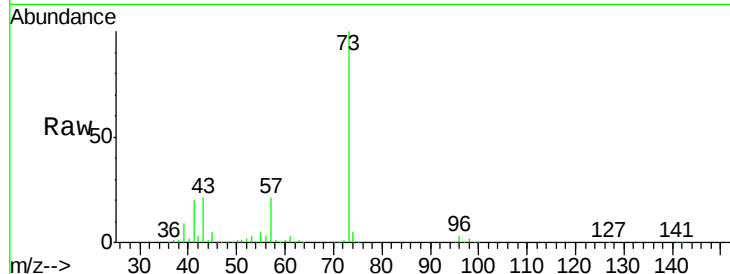
#19
Methyl tert-butyl Ether
Concen: 52.318 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	382578
Ion Ratio	Lower	Upper	
73	100		
57	21.2	16.8	25.2

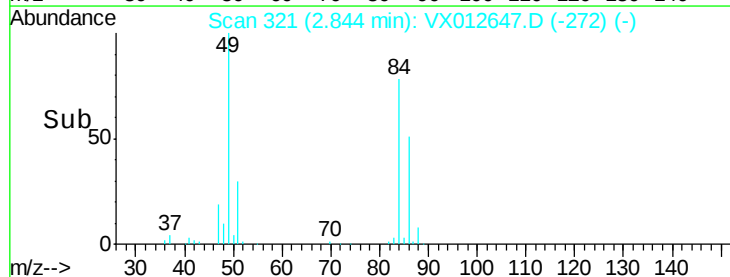
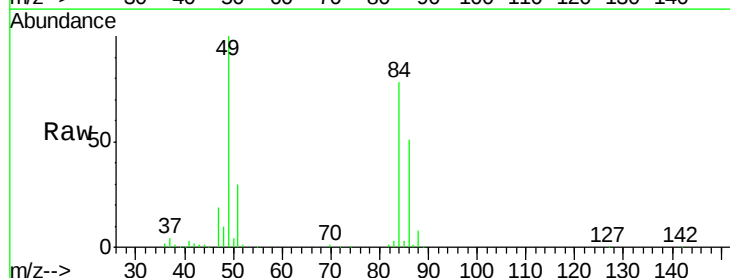
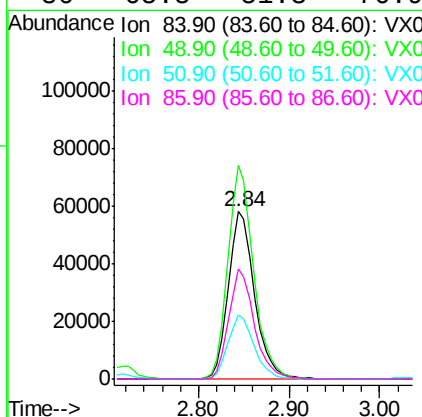
Manual Integrations
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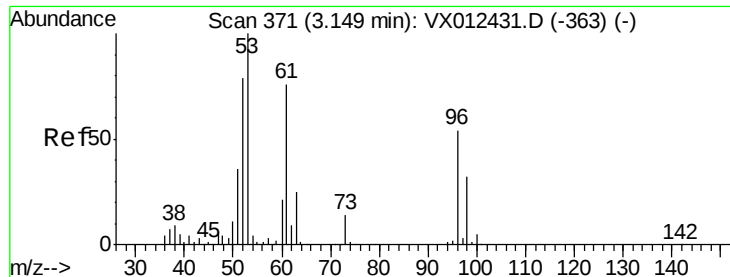
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#20
Methylene Chloride
Concen: 49.475 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	84	Resp	115977
Ion Ratio	Lower	Upper	
84	100		
49	127.6	106.8	160.2
51	38.5	32.3	48.5
86	65.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.276 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

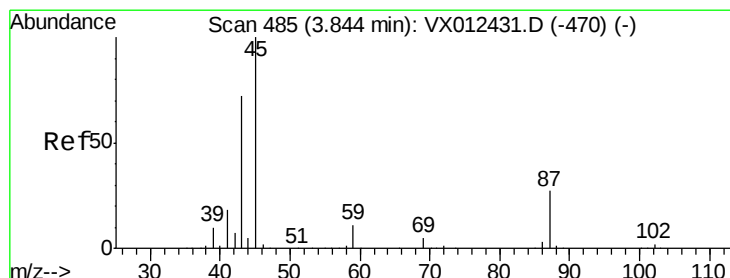
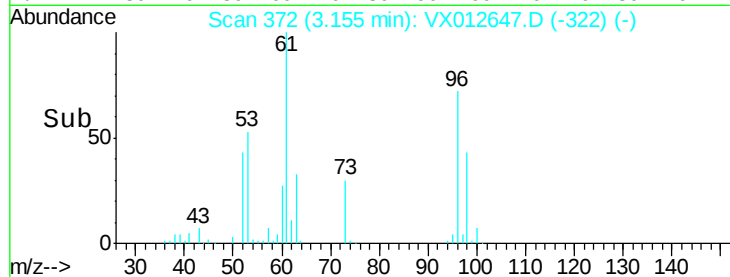
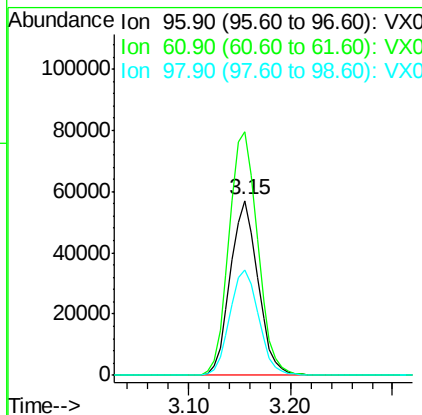
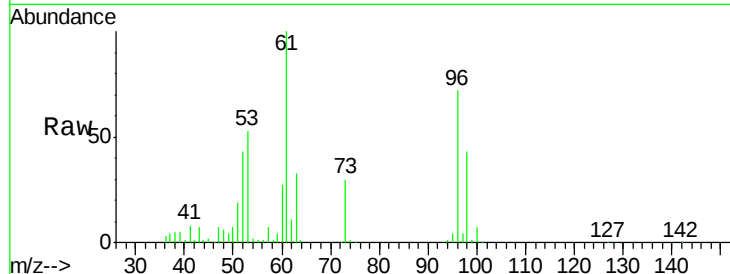
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	107607
Ion Ratio	Lower	Upper	
96	100		
61	139.3	112.0	168.0
98	60.5	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.982 ug/l

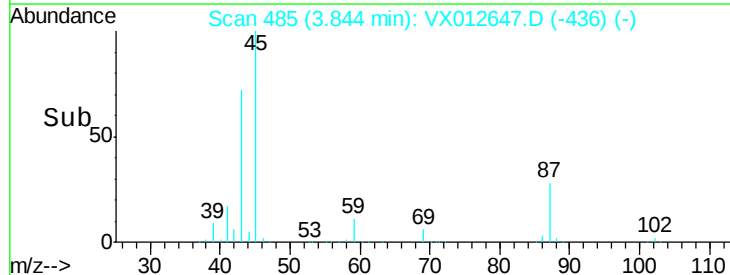
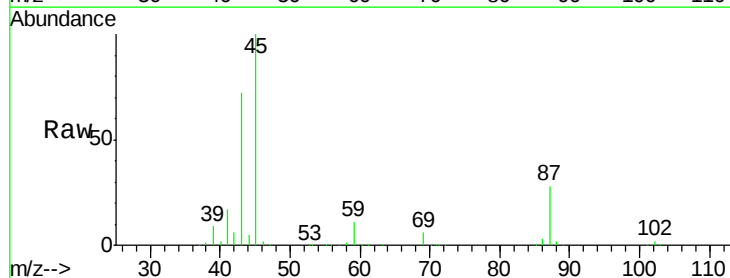
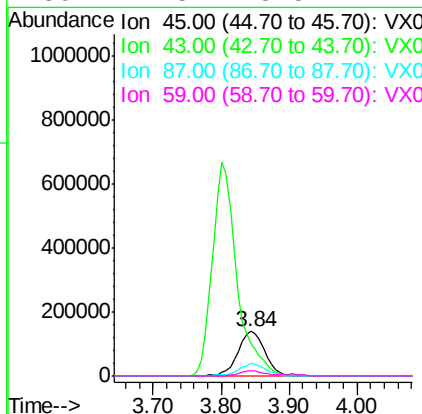
RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion:	45	Resp:	384994
Ion Ratio	Lower	Upper	
45	100		
43	71.2	57.8	86.8
87	27.6	21.3	31.9
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 258.724 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1680408

Ion Ratio Lower Upper

43 100

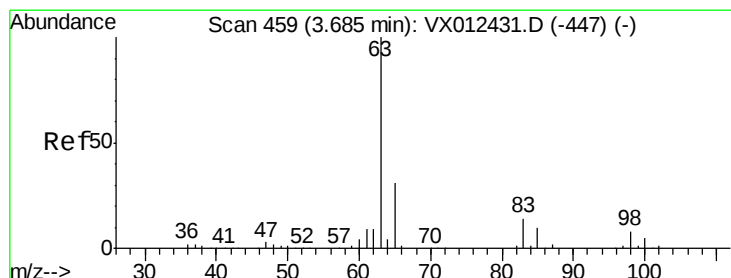
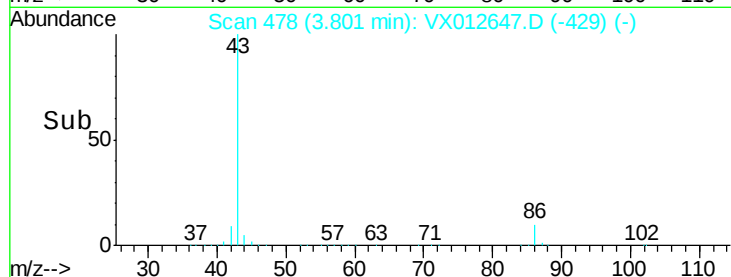
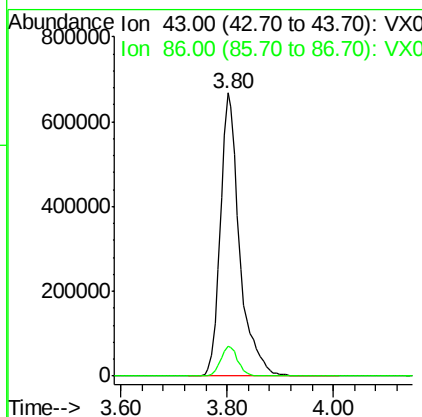
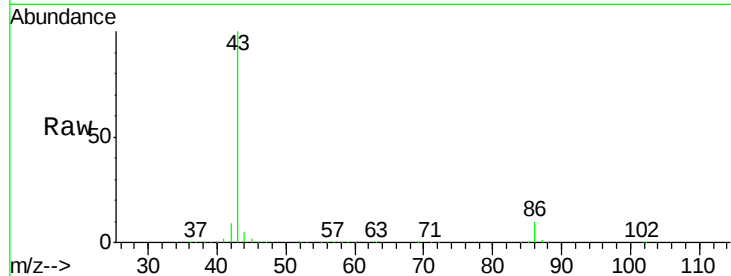
86 10.4 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 51.176 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

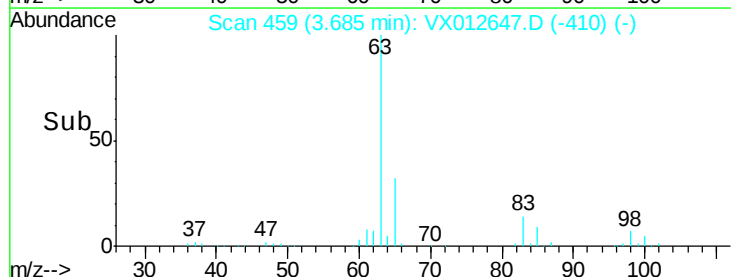
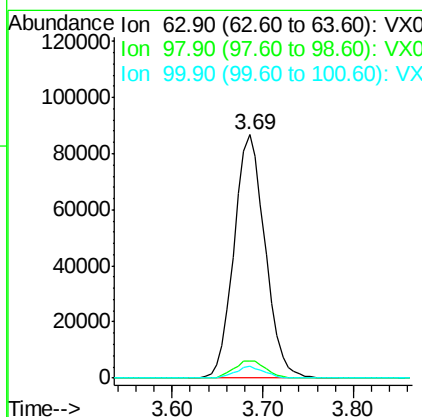
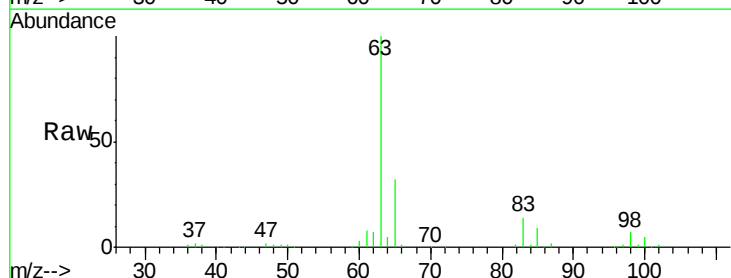
Tgt Ion: 63 Resp: 206029

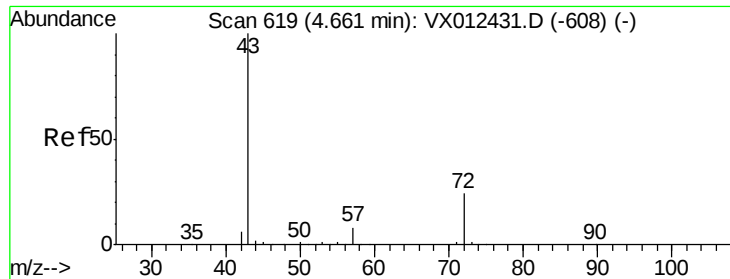
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 5.0 2.3 6.9





#25

2-Butanone

Concen: 247.300 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 491443

Ion Ratio Lower Upper

43 100

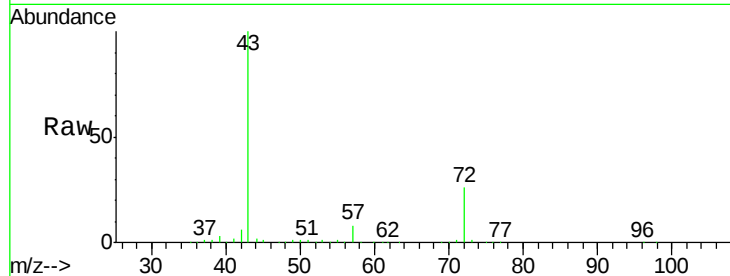
72 25.4 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

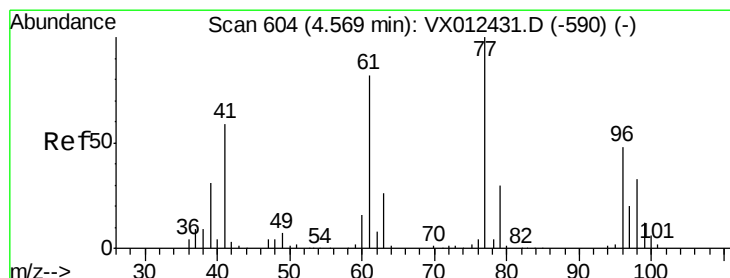
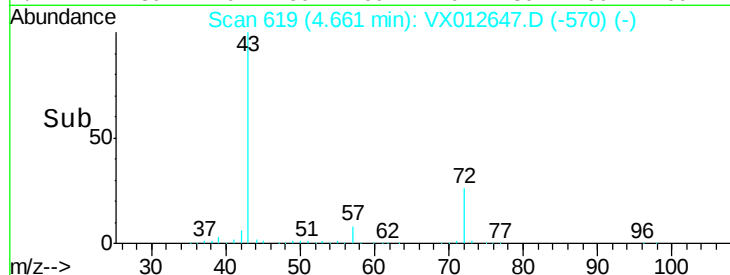
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.726 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012647.D

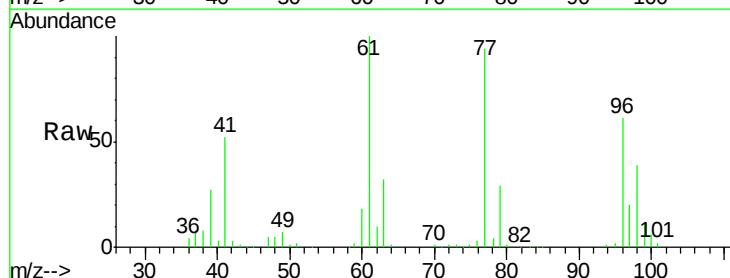
Acq: 24 Sep 2019 20:48

Tgt Ion: 77 Resp: 160147

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

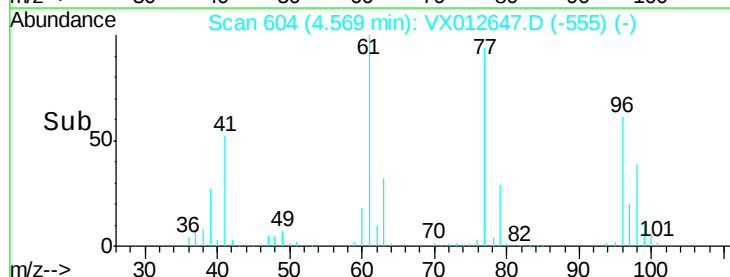
20000

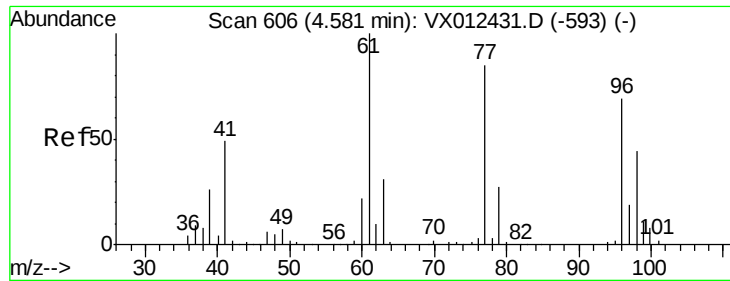
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

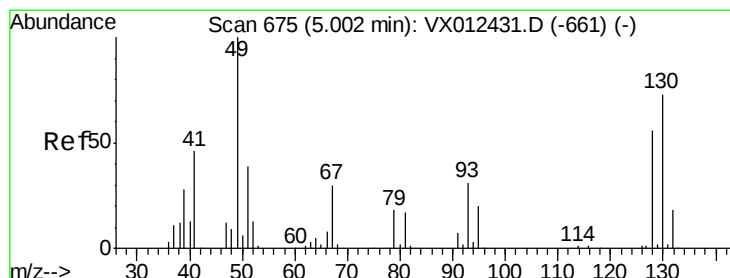
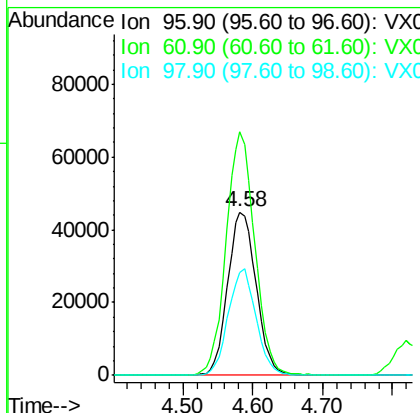
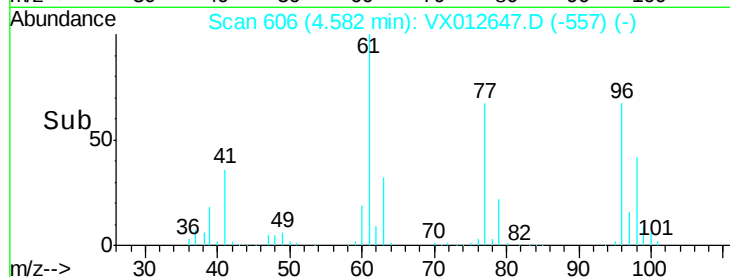
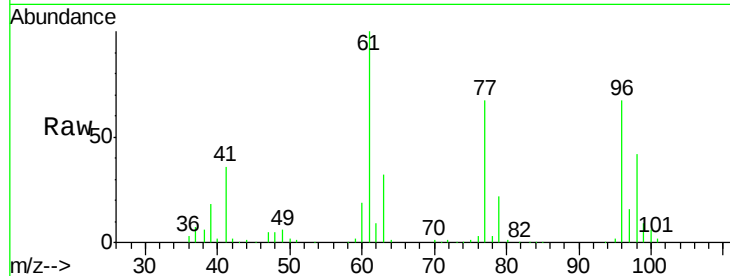
cis-1,2-Dichloroethene
Concen: 51.071 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126831		
61	149.7	0.0	319.4	
98	63.8	0.0	130.6	

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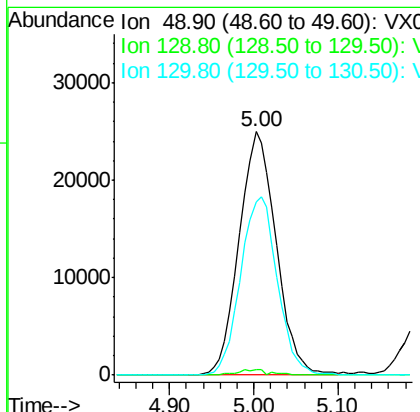
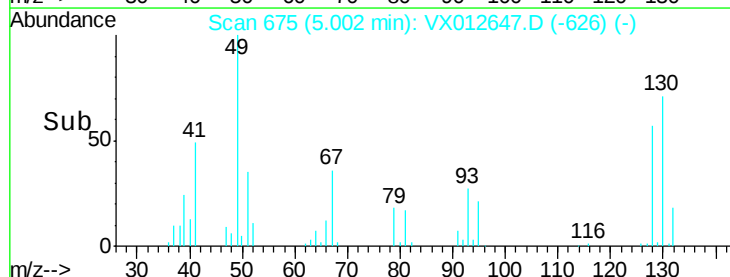
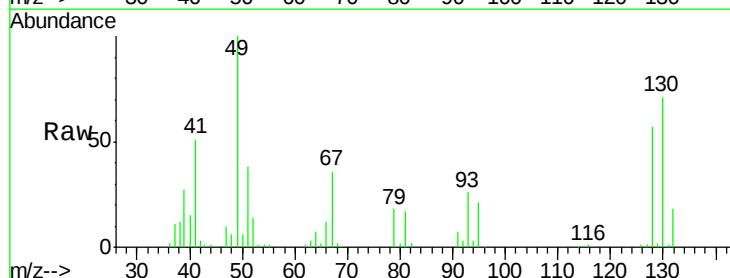
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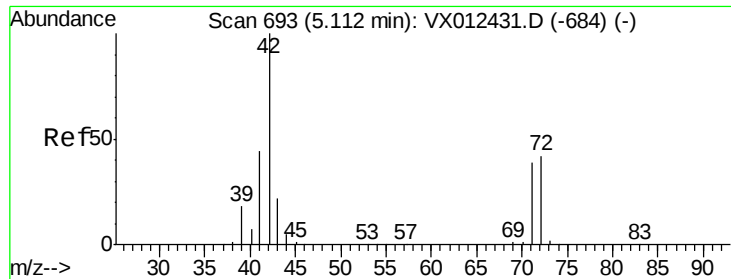


#28

Bromochloromethane
Concen: 50.887 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74387		
129	1.4	0.0	3.8	
130	72.6	58.2	87.4	





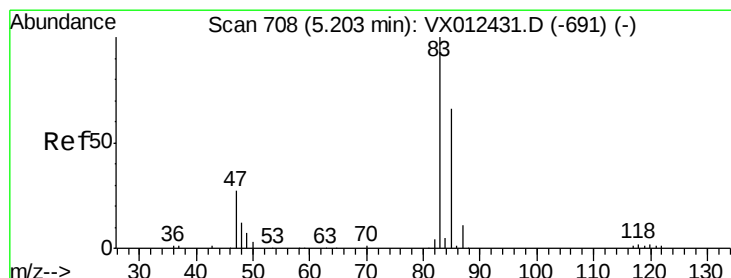
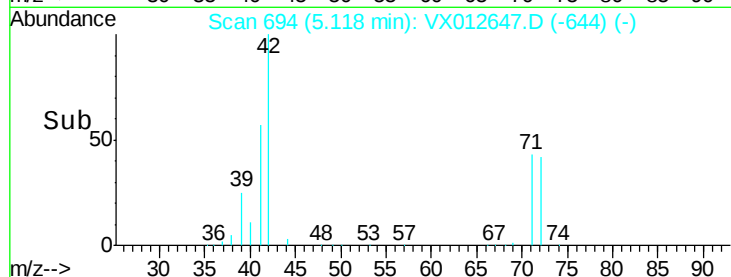
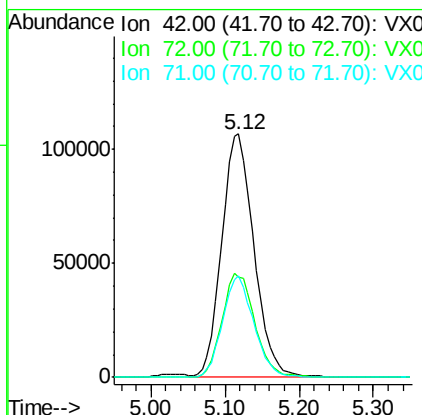
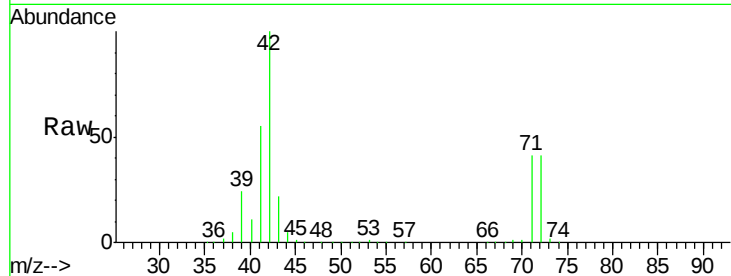
#29
Tetrahydrofuran
Concen: 265.401 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.0	51.0
71	40.6	31.5	47.3

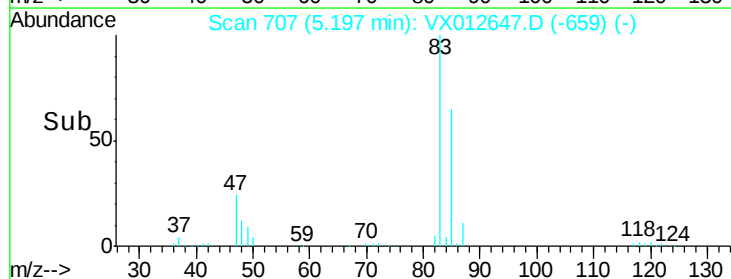
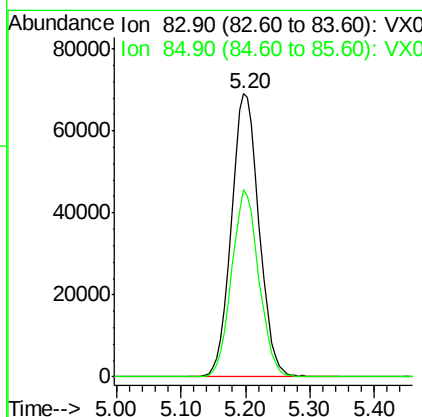
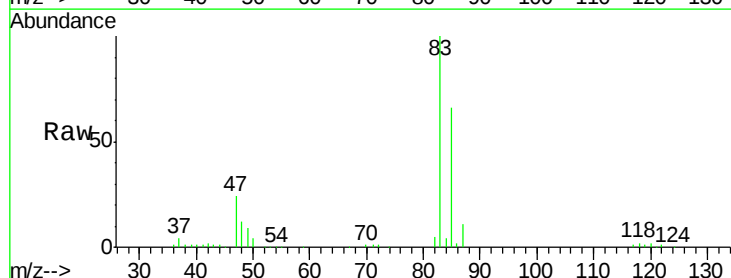
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APPROVED

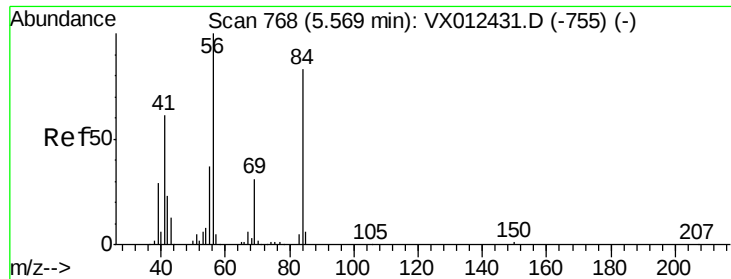
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#30
Chloroform
Concen: 50.274 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.0	79.4





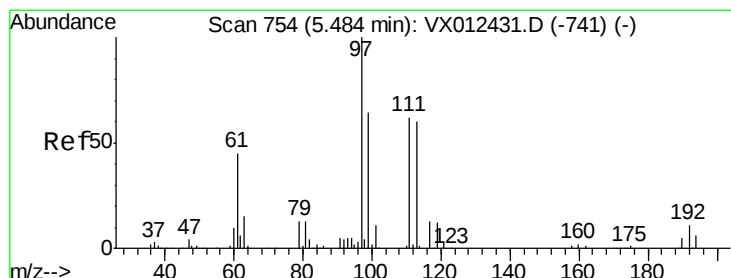
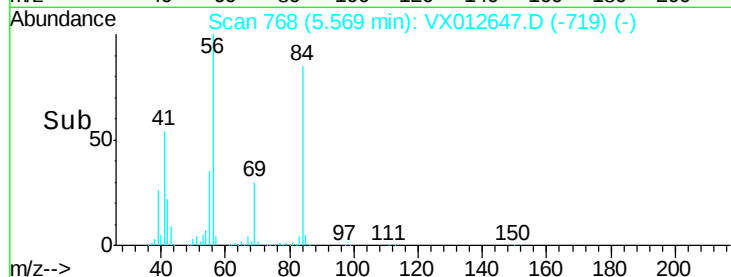
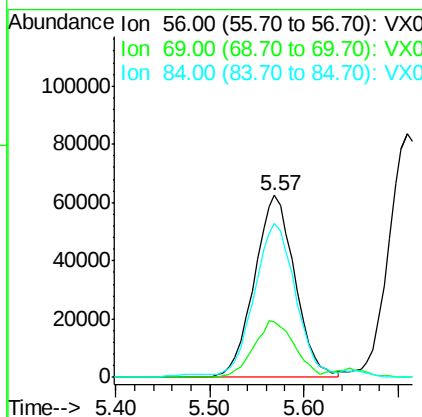
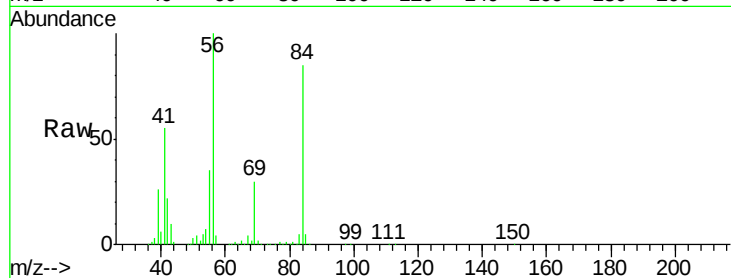
#31
Cyclohexane
Concen: 51.570 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	83.3	66.4	99.6

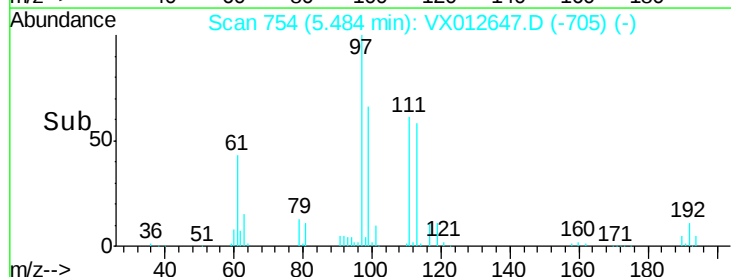
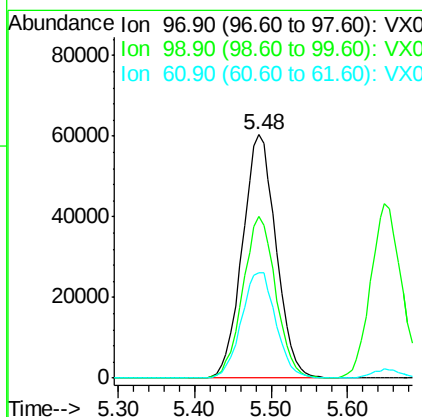
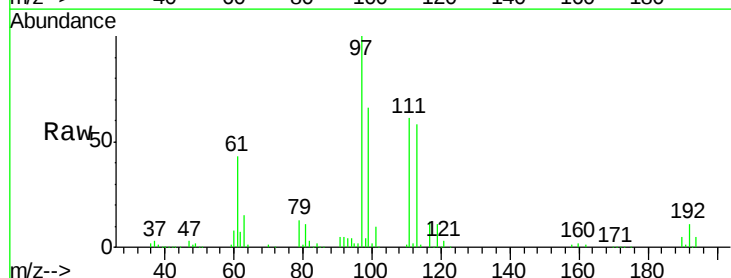
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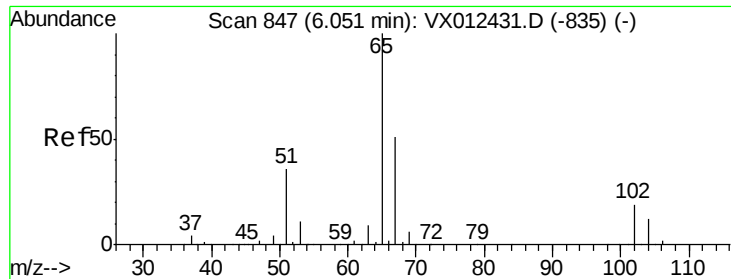
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#32
1,1,1-Trichloroethane
Concen: 50.541 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.6	36.1	54.1





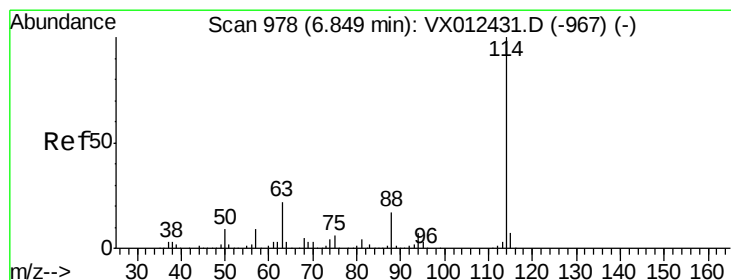
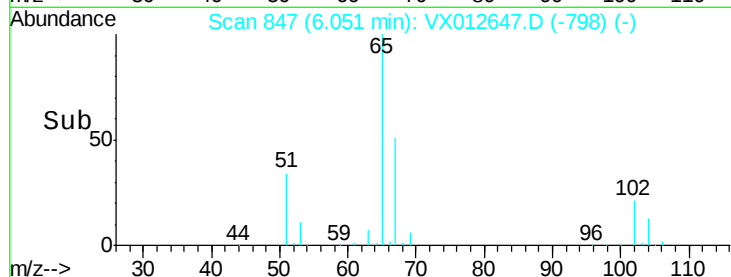
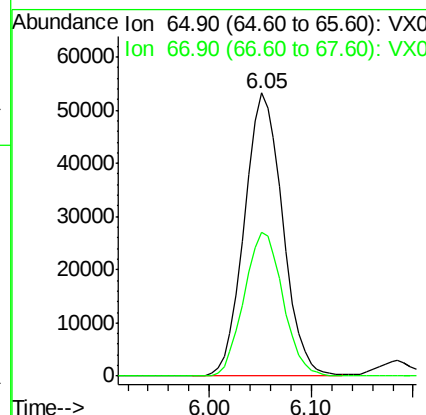
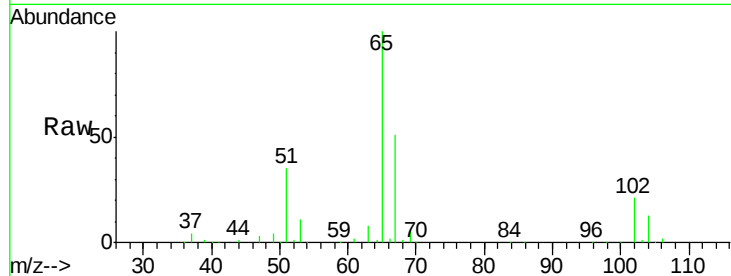
#33
 1,2-Dichloroethane-d4
 Concen: 53.068 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138856		
67	51.6	0.0	101.2	

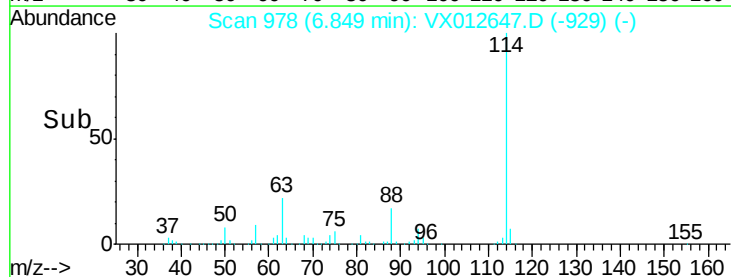
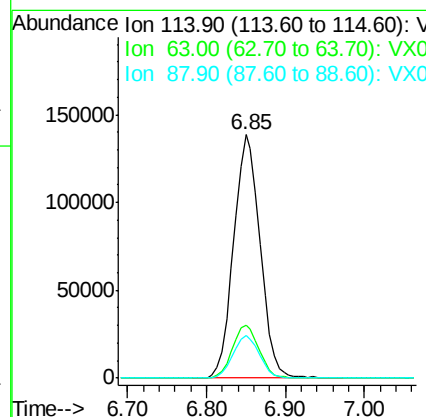
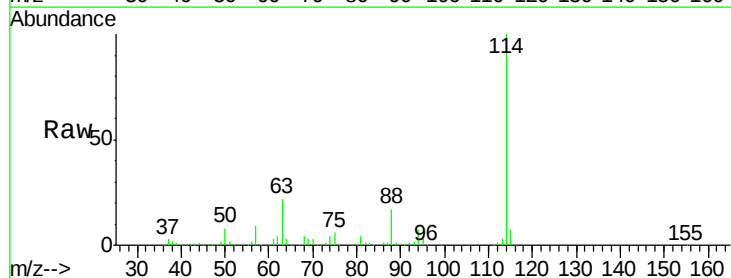
Manual Integrations
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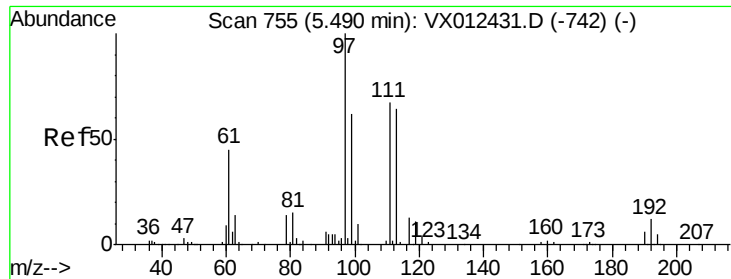
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323556		
63	21.7	0.0	43.2	
88	17.4	0.0	33.2	





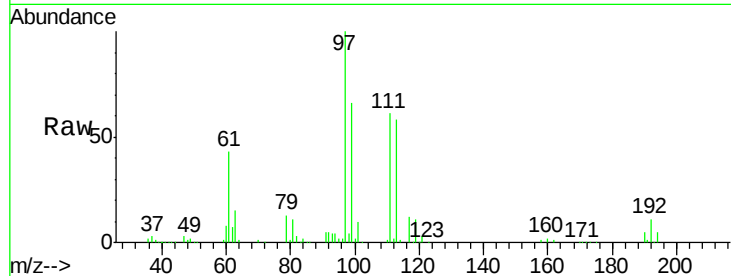
#35
Dibromofluoromethane
Concen: 53.175 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102464		
111	103.7	83.4	125.2	
192	18.2	14.4	21.6	

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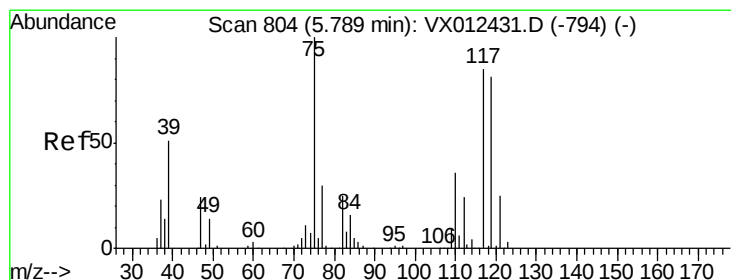
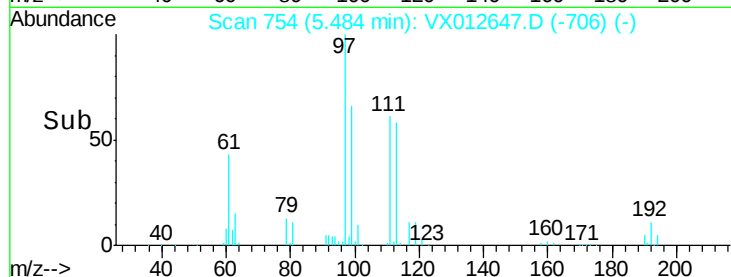
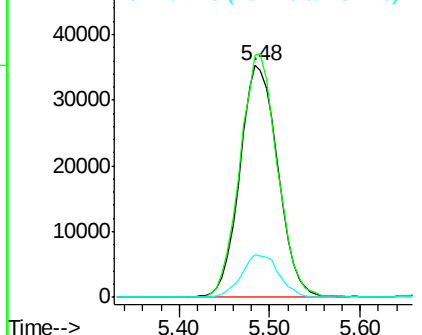


Abundance

Ion 112.80 (112.50 to 113.50): V

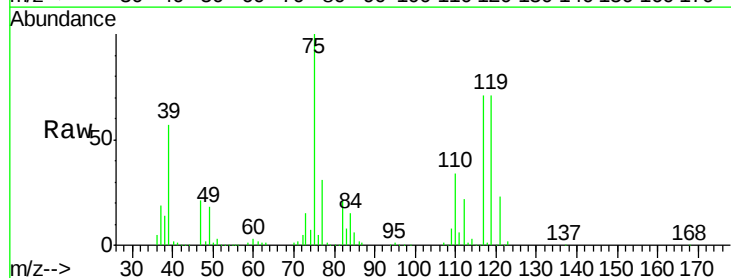
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 50.346 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157016		
110	34.2	16.7	50.0	
77	31.2	24.2	36.2	

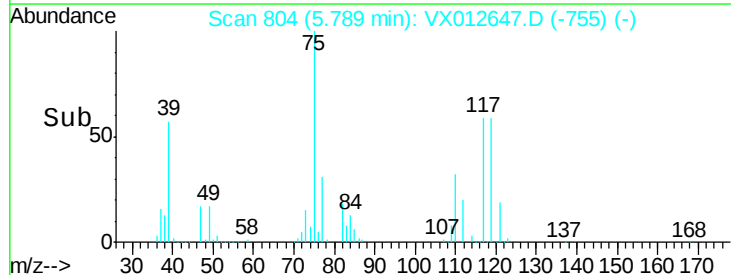
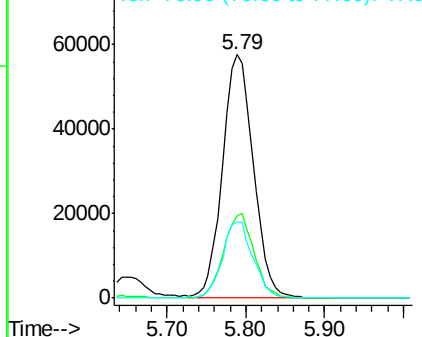


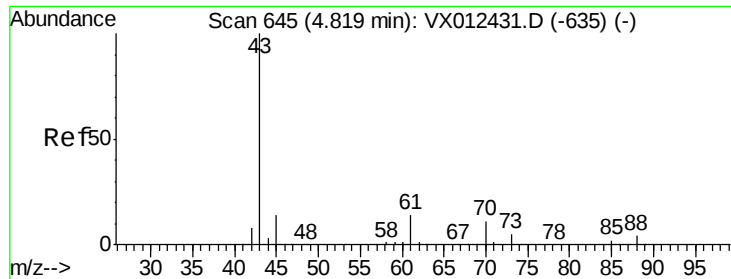
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





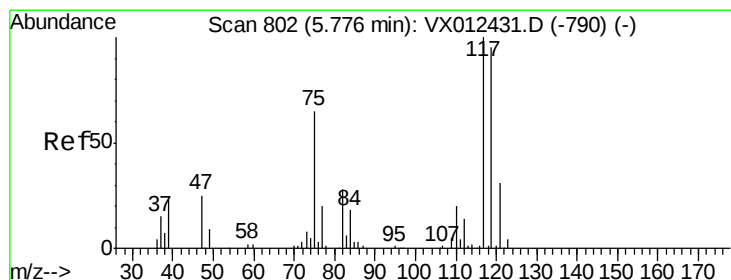
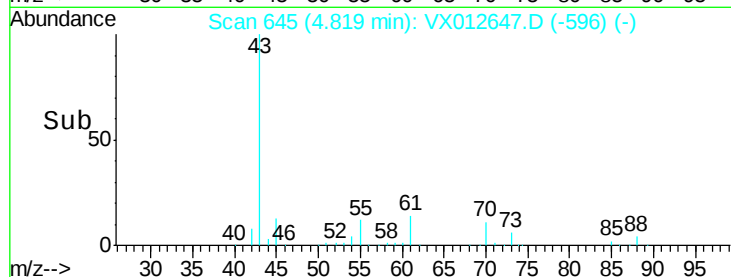
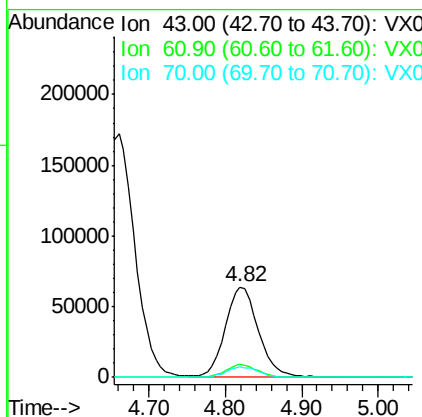
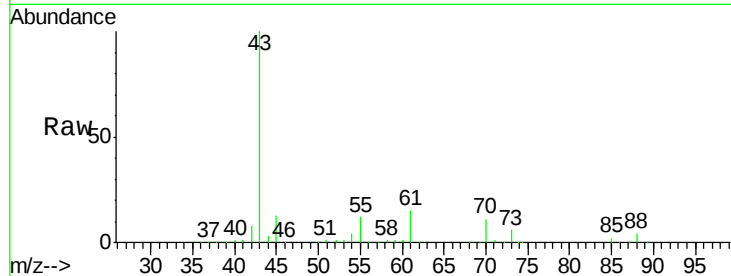
#37
Ethyl Acetate
Concen: 51.905 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	189253
Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.4
70	11.2	8.7	13.1

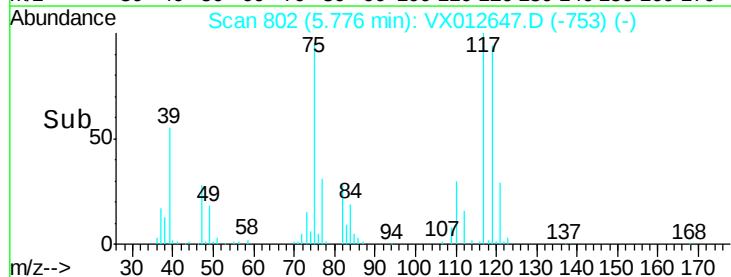
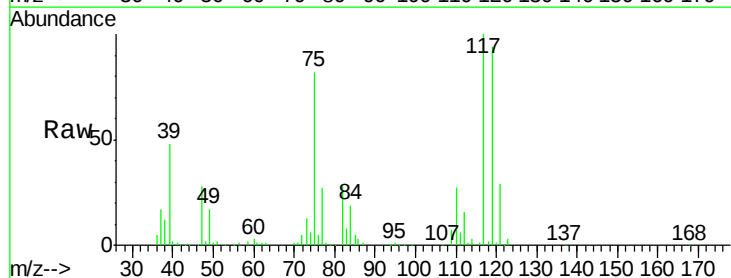
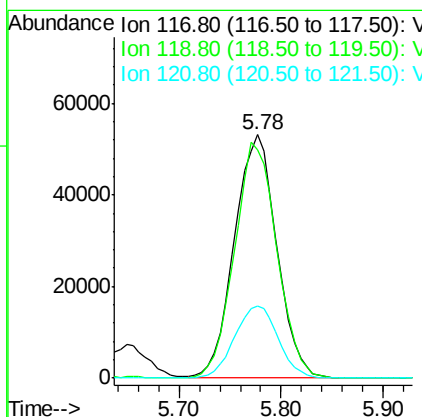
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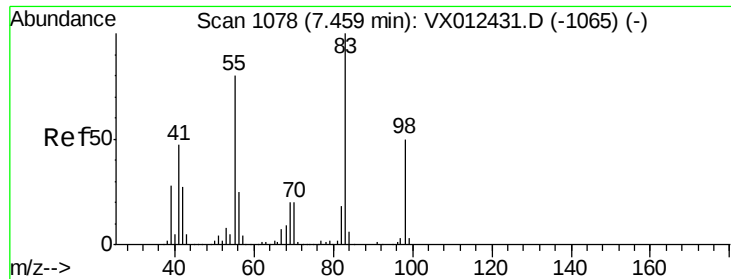
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#38
Carbon Tetrachloride
Concen: 48.214 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion:	117	Resp:	152745
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	29.5	24.2	36.4





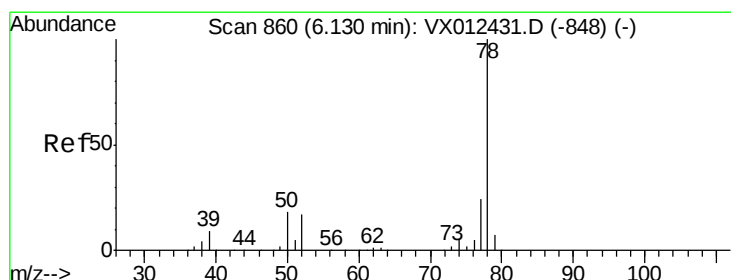
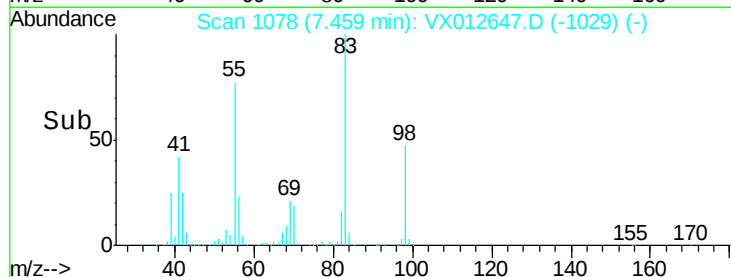
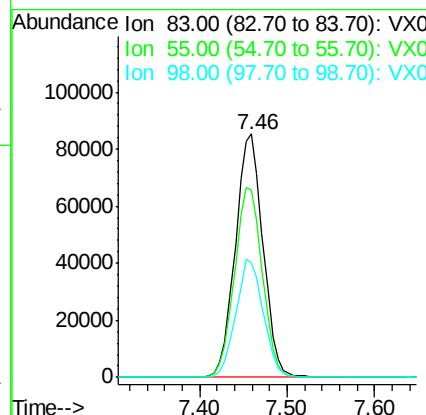
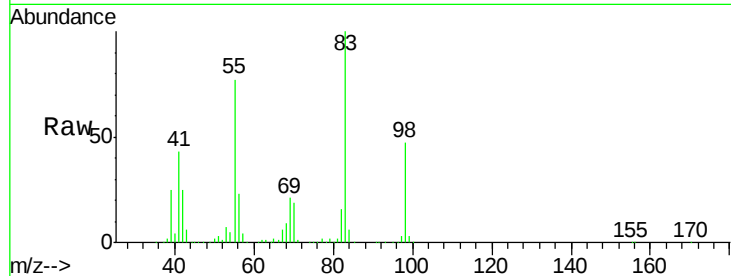
#39
Methvlcvclohexane
Concen: 49.814 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	187030
Ion Ratio	100	Lower	Upper
83	100		
55	76.8	64.4	96.6
98	46.9	40.1	60.1

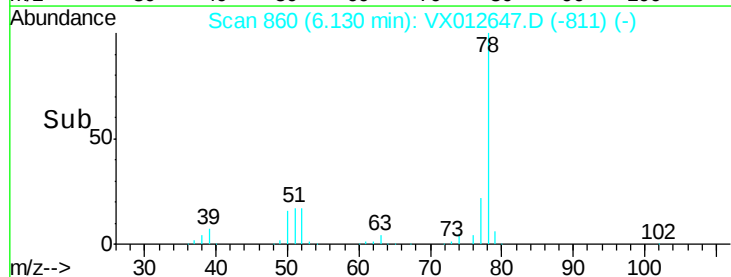
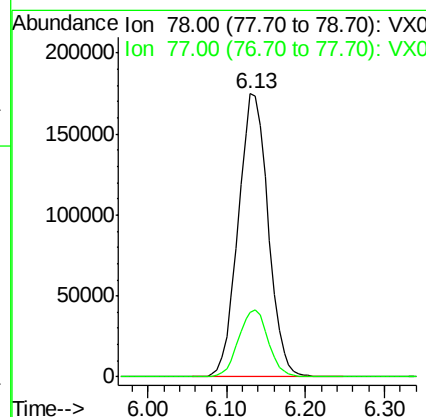
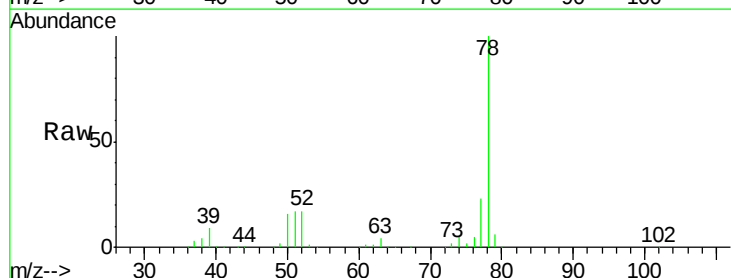
Manual Integrations
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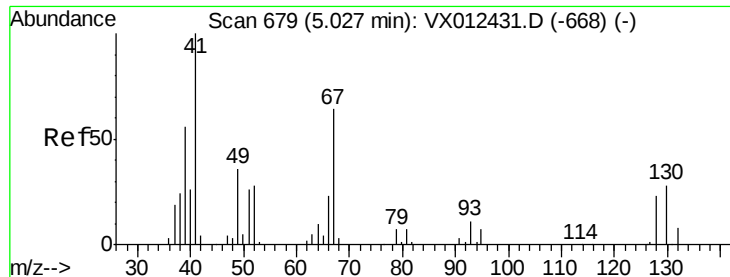
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#40
Benzene
Concen: 50.463 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	78	Resp	463060
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	19.2	28.8





#41

Methacrylonitrile

Concen: 50.747 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

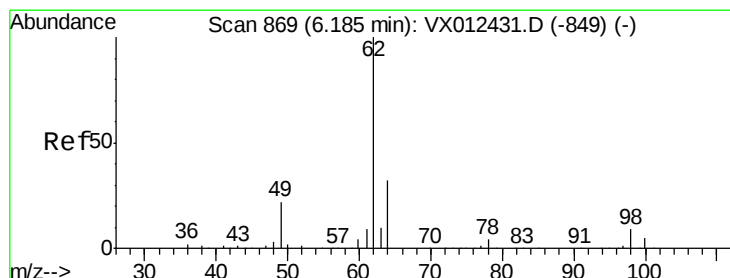
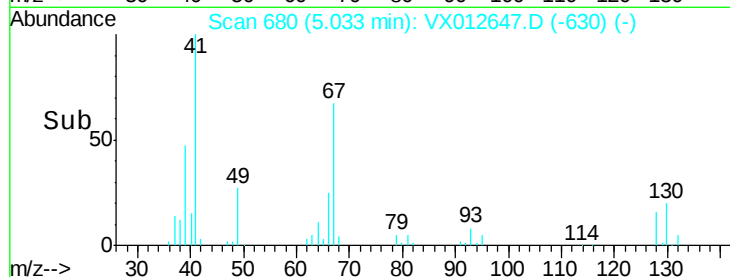
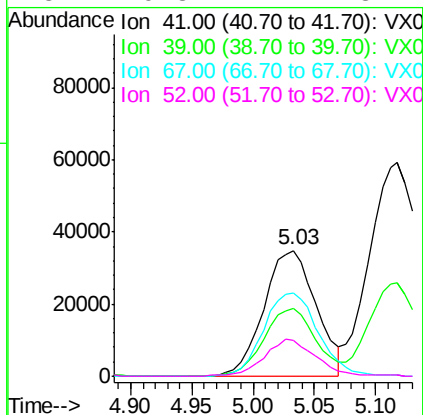
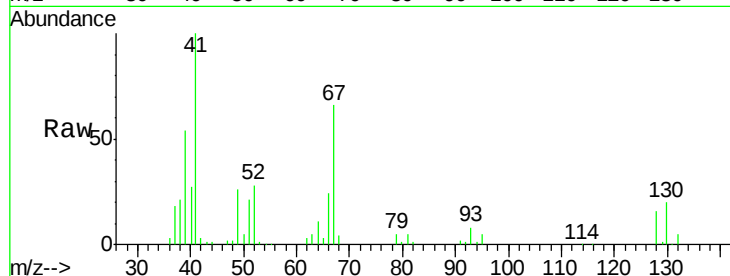
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	46.0	69.0	
67	69.4	52.2	78.2	
52	29.3	22.7	34.1	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.469 ug/l

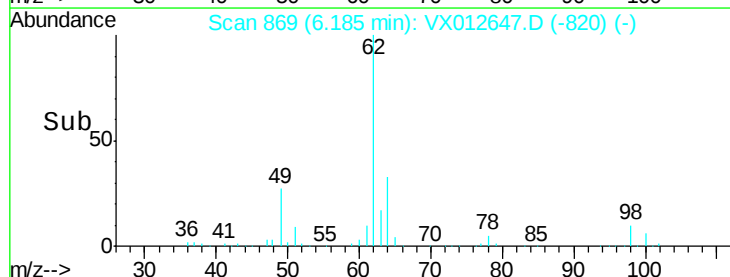
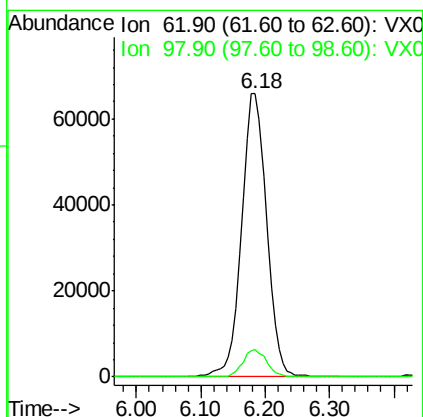
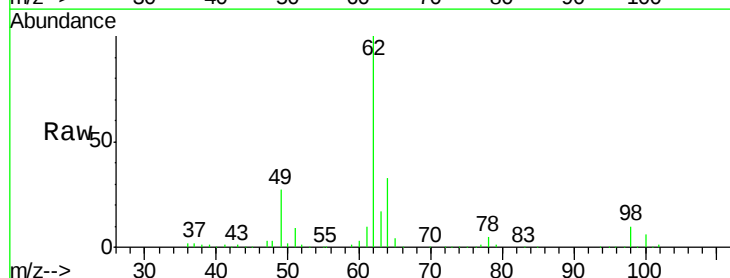
RT: 6.18 min Scan# 869

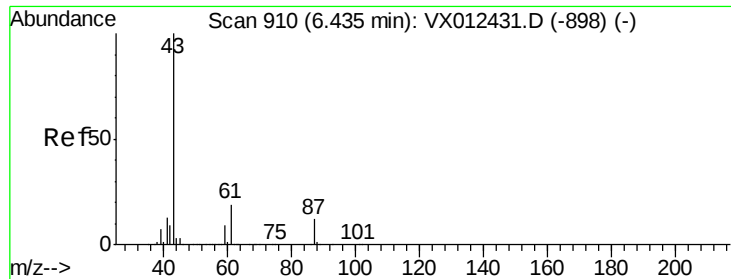
Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	17.8	





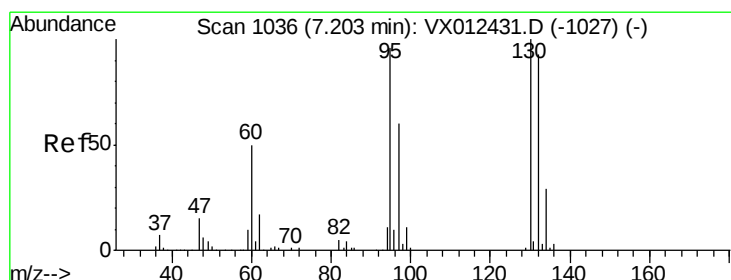
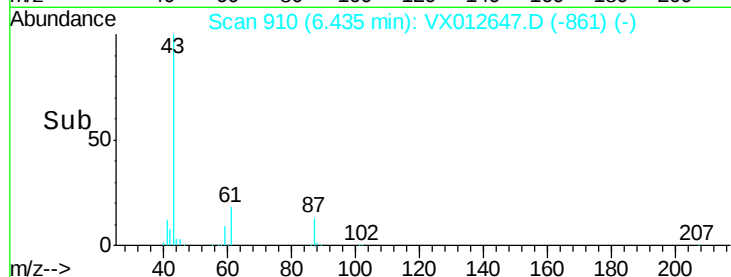
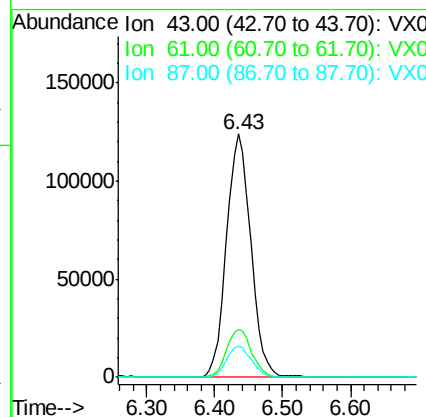
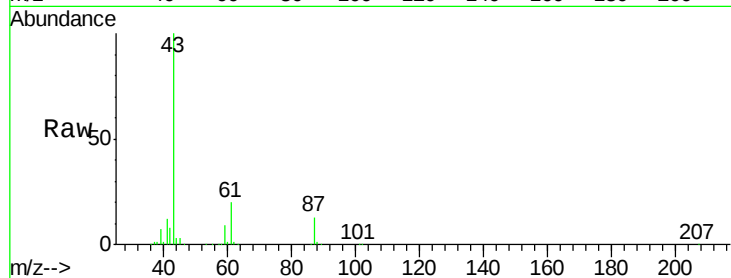
#43
Isopropyl Acetate
Concen: 50.488 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.4	23.0
87	13.1	9.8	14.8

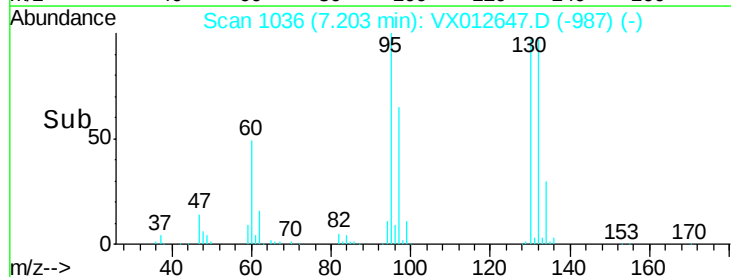
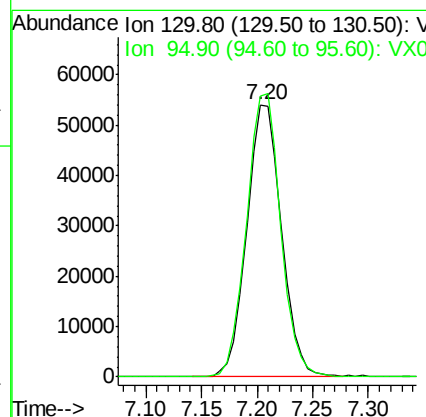
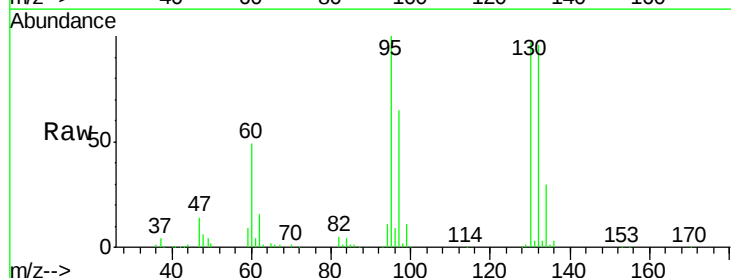
Manual Integrations
APPROVED

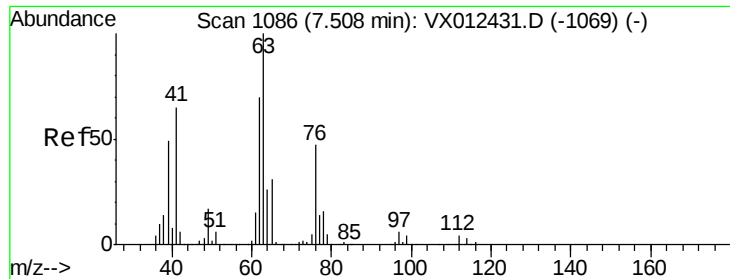
MMDadoda
9/25/2019 9:29:28 AM



#44
Trichloroethene
Concen: 49.897 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	193.0





#45

1,2-Dichloropropane

Concen: 51.531 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 121062

Ion Ratio Lower Upper

63 100

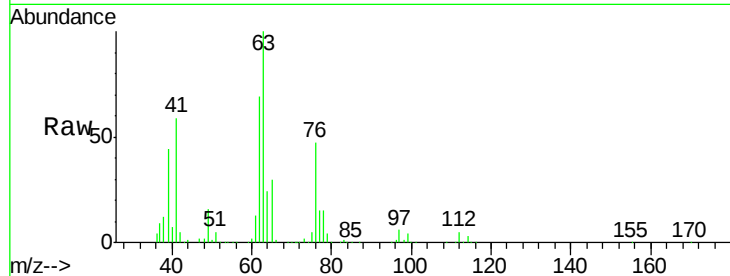
65 30.1 25.0 37.6

Manual Integrations

APPROVED

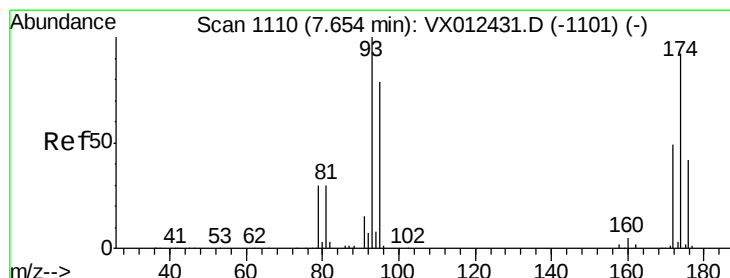
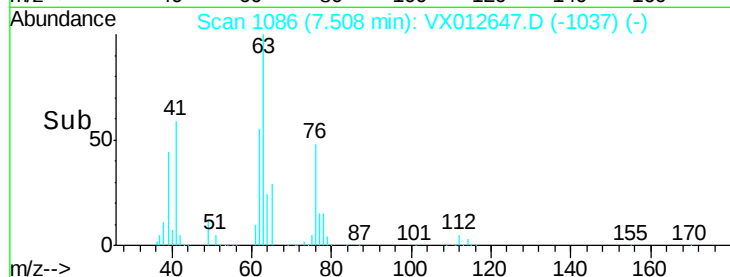
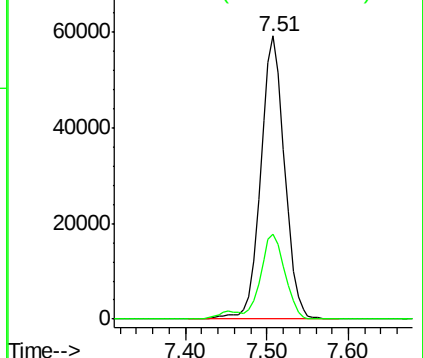
MMDadoda

9/25/2019 9:29:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.459 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

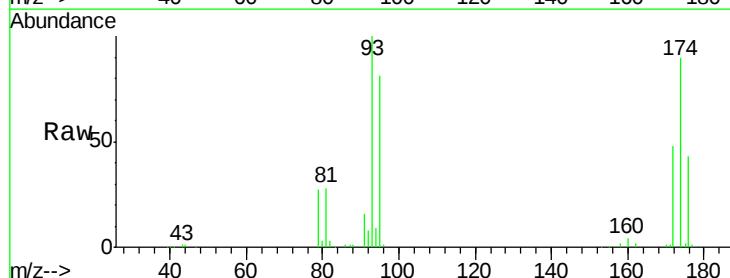
Tgt Ion: 93 Resp: 80711

Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

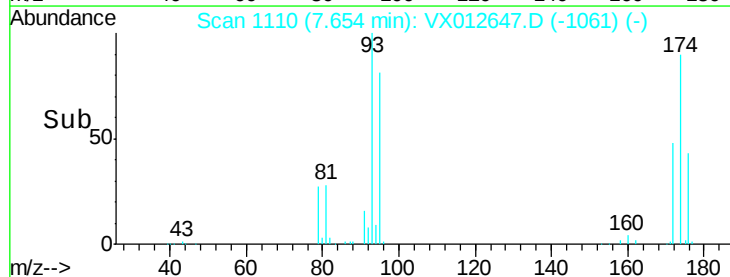
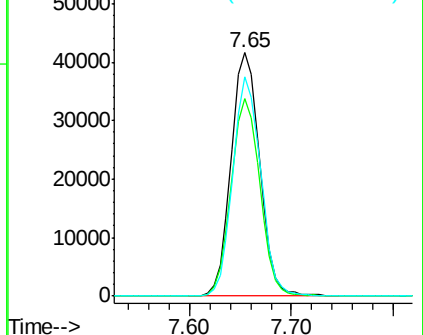
174 88.2 77.4 116.0

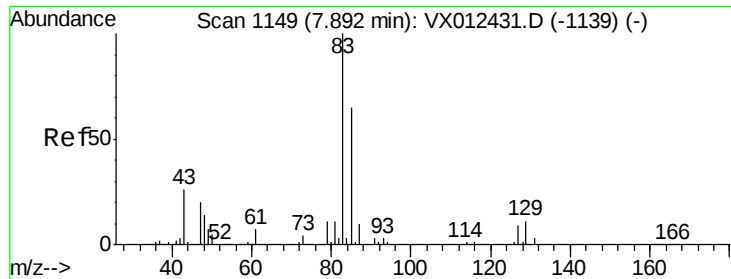


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





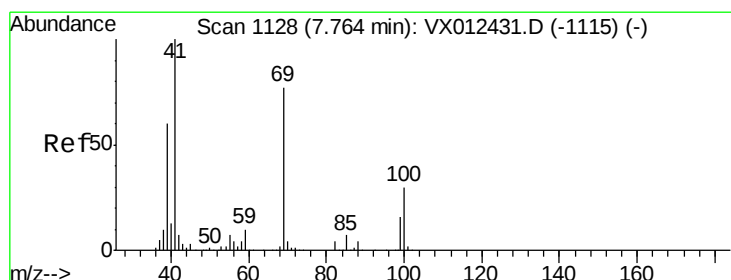
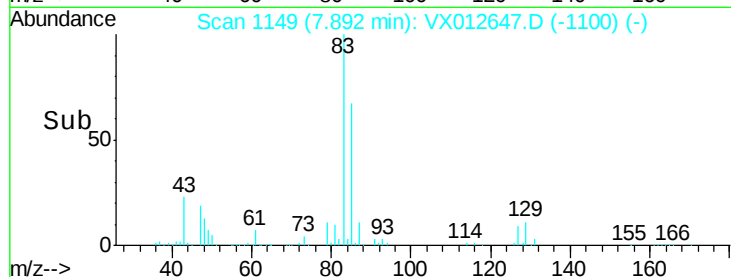
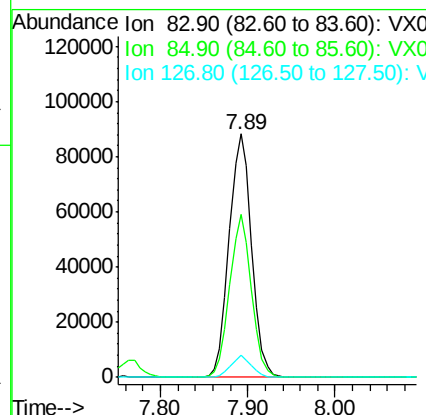
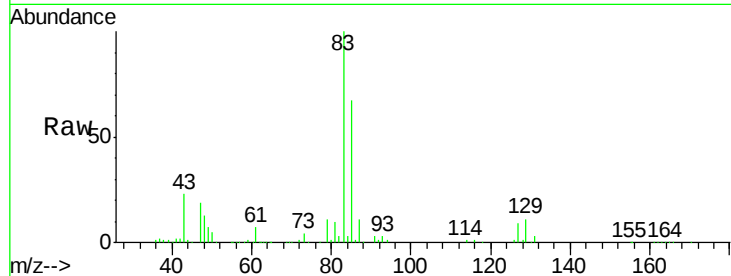
#47
Bromodichloromethane
Concen: 49.221 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157355		
85	66.7	51.8	77.6	
127	8.9	7.3	10.9	

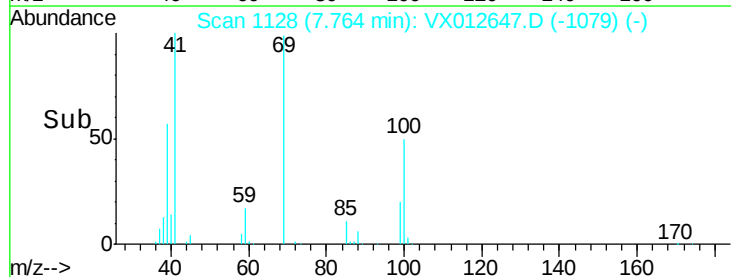
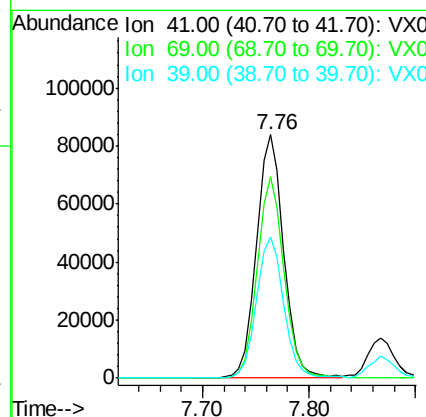
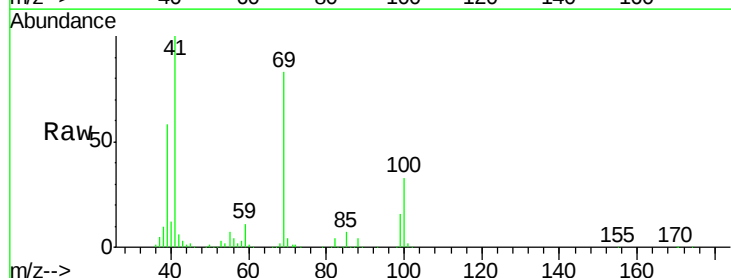
Manual Integrations
APPROVED

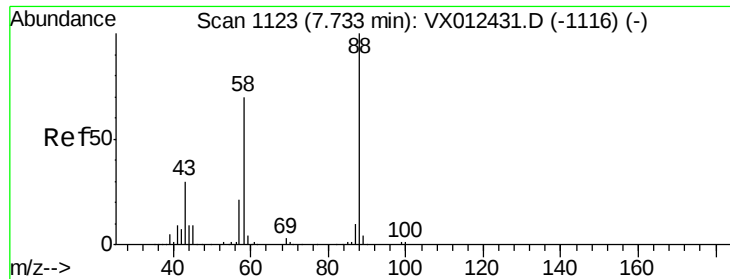
MMDadoda
9/25/2019 9:29:28 AM



#48
Methyl methacrylate
Concen: 51.458 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	150447		
69	82.0	59.9	89.9	
39	58.5	47.8	71.6	





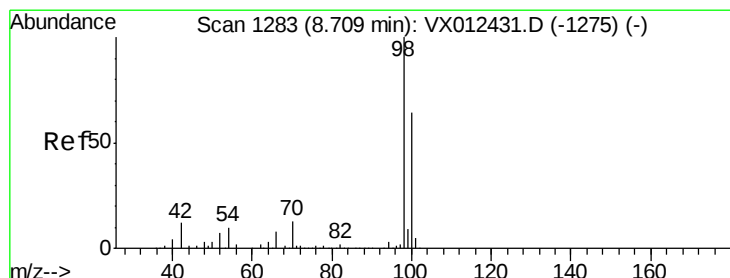
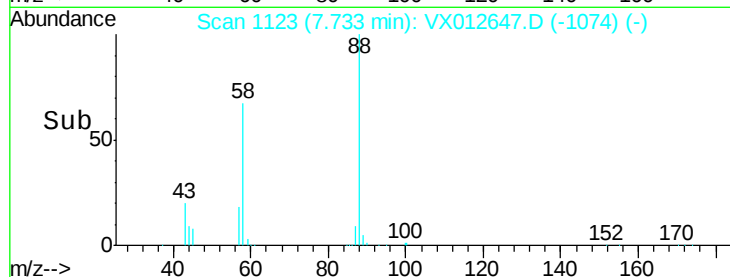
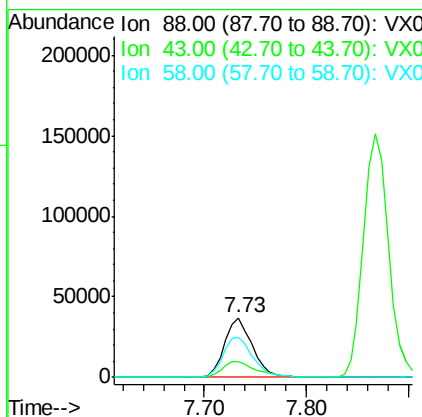
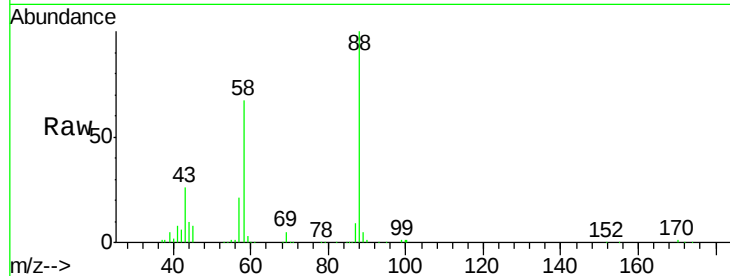
#49
1,4-Dioxane
Concen: 1047.475 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	69463		
43	33.2	29.4	44.0	
58	72.8	57.5	86.3	

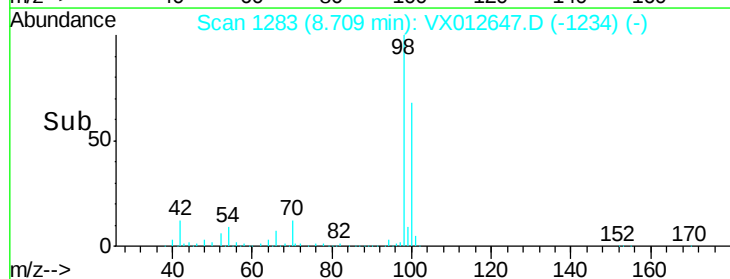
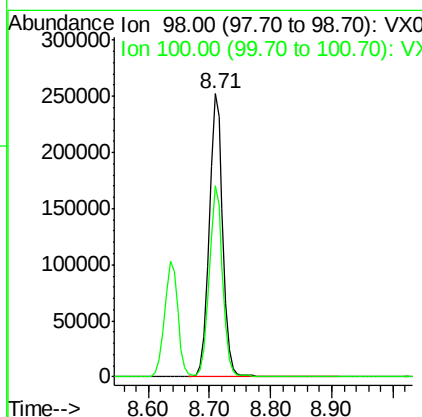
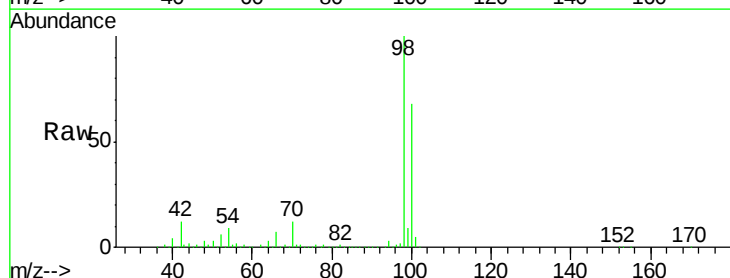
Manual Integrations
APPROVED

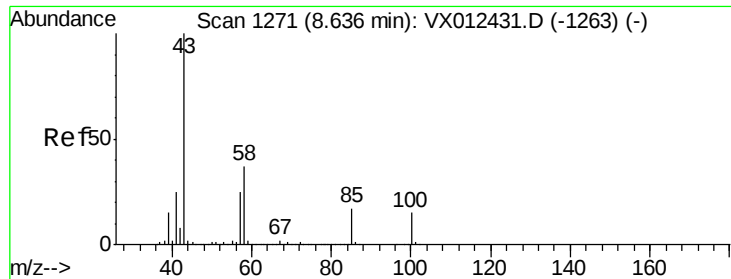
MMDadoda
9/25/2019 9:29:28 AM



#50
Toluene-d8
Concen: 53.265 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	395264		
100	66.4	53.4	80.2	





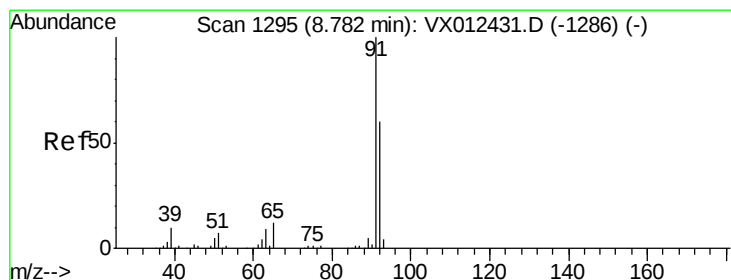
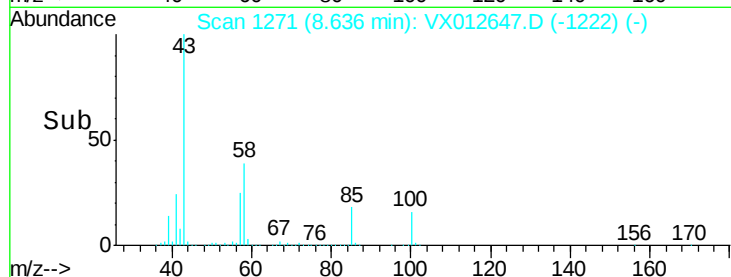
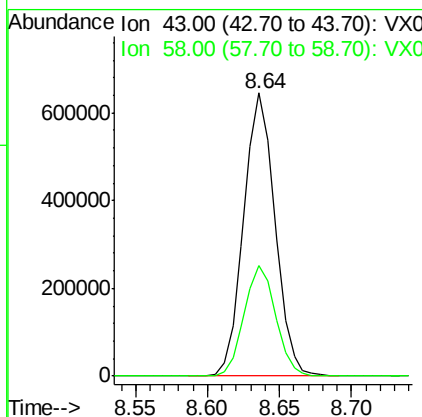
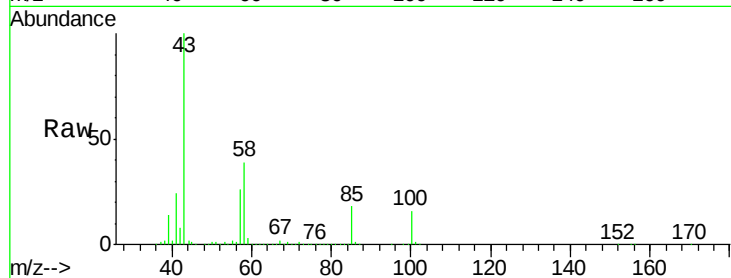
#51
4-Methyl-2-Pentanone
Concen: 258.569 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	29.8	44.6

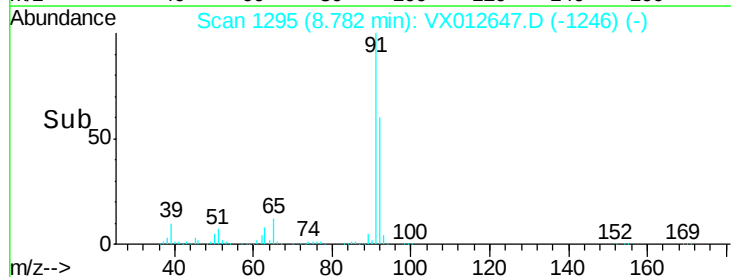
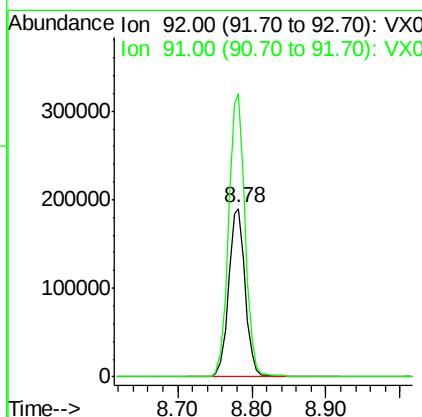
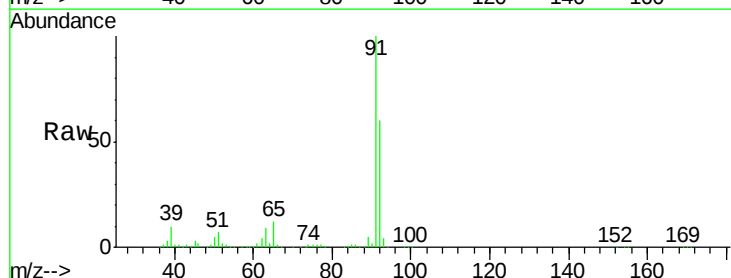
Manual Integrations
APPROVED

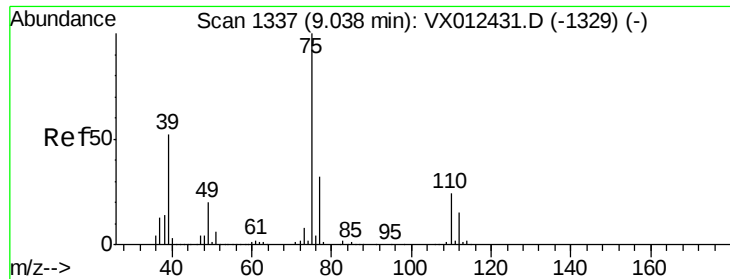
MMDadoda
9/25/2019 9:29:28 AM



#52
Toluene
Concen: 51.039 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.5	135.4	203.0





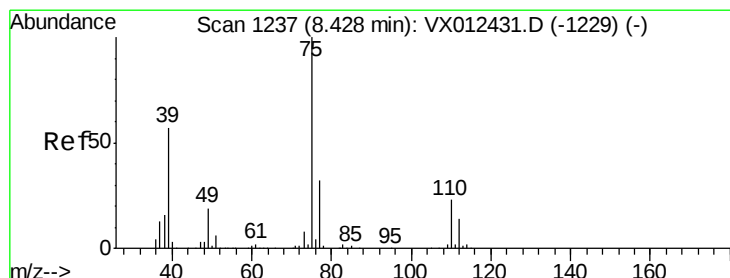
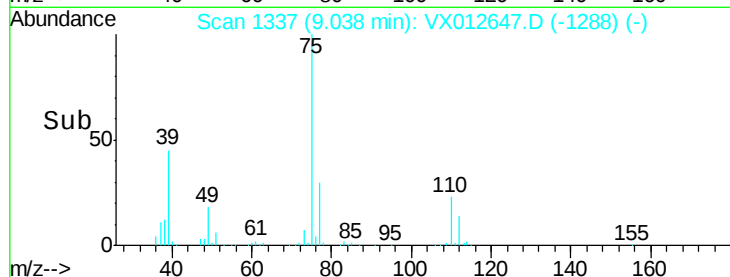
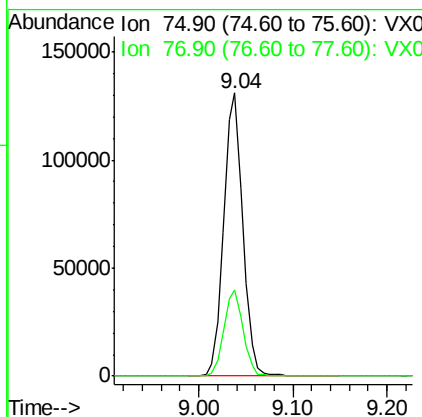
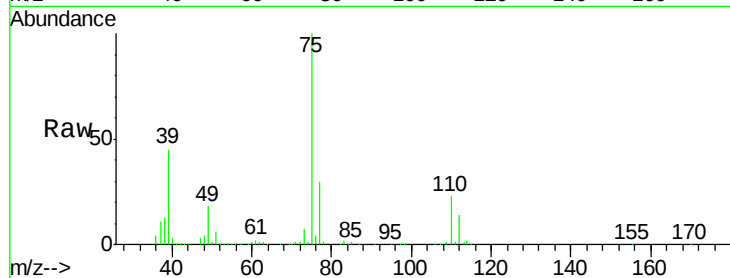
#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.2	37.8

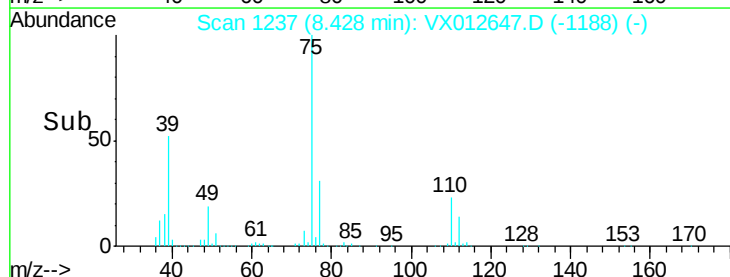
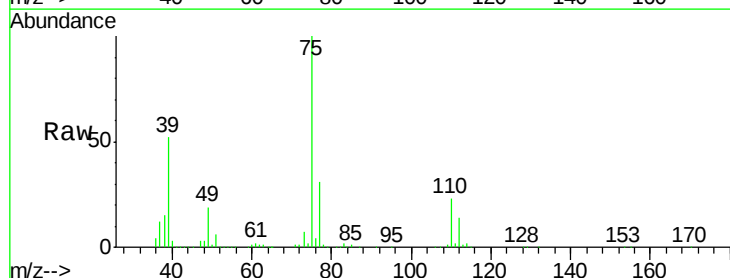
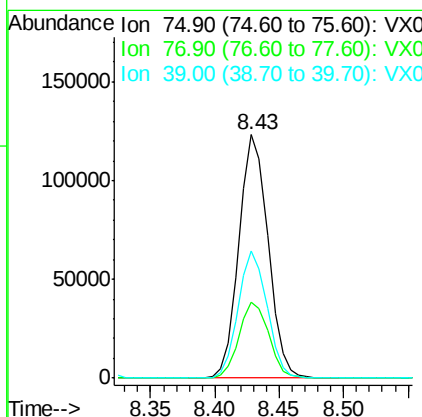
Manual Integrations
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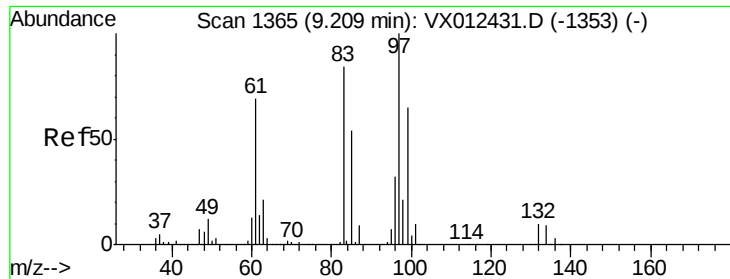
MMDadoda
9/25/2019 9:29:28 AM



#54
cis-1,3-Dichloropropene
Concen: 50.218 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8
39	52.0	45.5	68.3





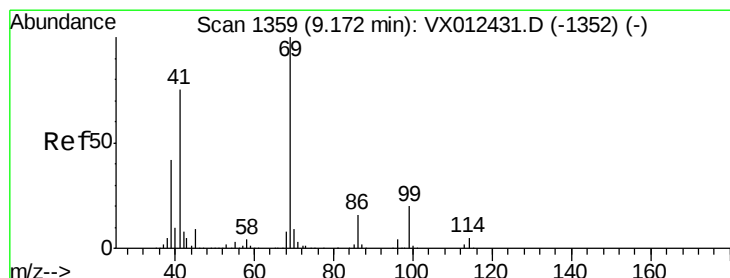
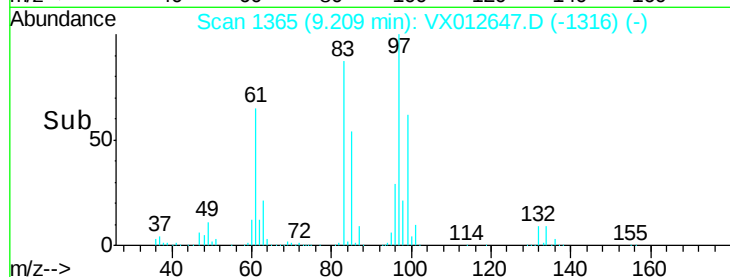
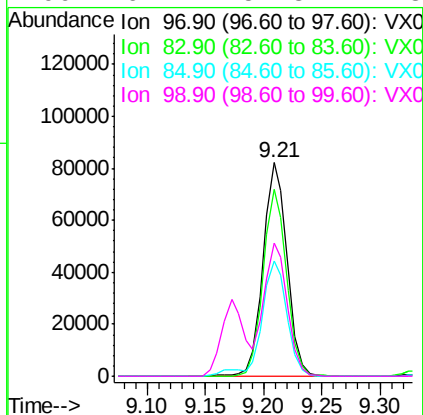
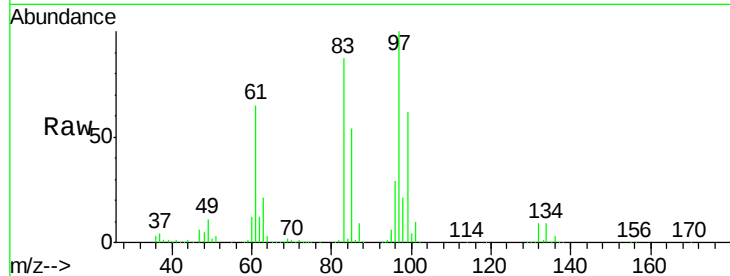
#55
 1,1,2-Trichloroethane
 Concen: 51.649 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	118426
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.4	101.2
85	54.0	43.5	65.3
99	62.2	51.8	77.8

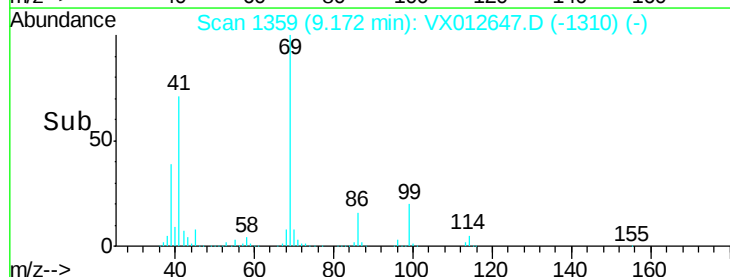
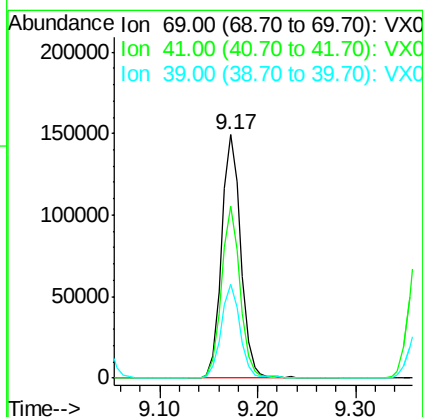
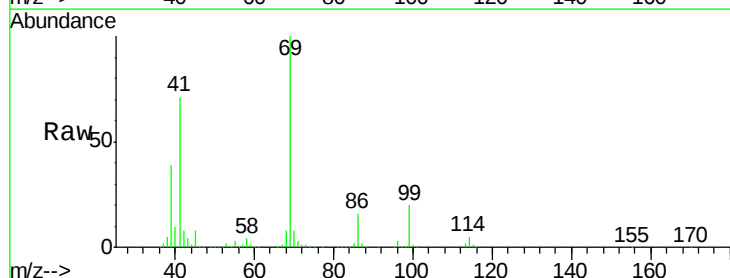
Manual Integrations
 APPROVED

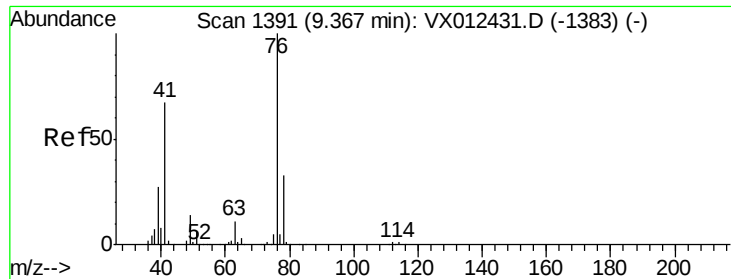
MMDadoda
 9/25/2019 9:29:28 AM



#56
 Ethyl methacrylate
 Concen: 52.925 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion:	69	Resp:	203872
Ion	Ratio	Lower	Upper
69	100		
41	68.1	58.4	87.6
39	37.5	33.4	50.0





#57

1,3-Dichloropropane

Concen: 51.362 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 206114

Ion Ratio Lower Upper

76 100

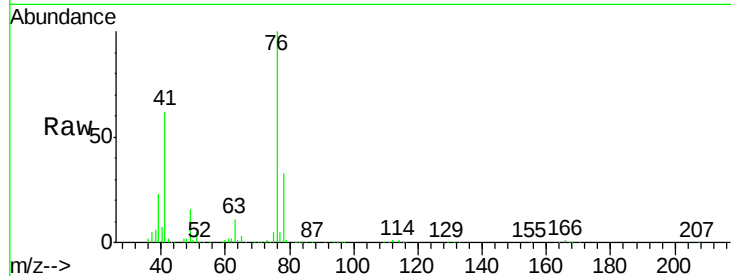
78 31.9 26.2 39.2

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

9.37

150000

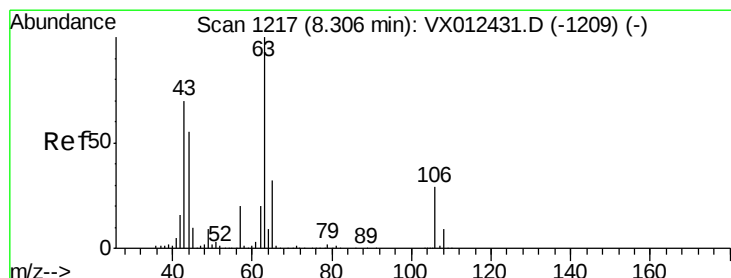
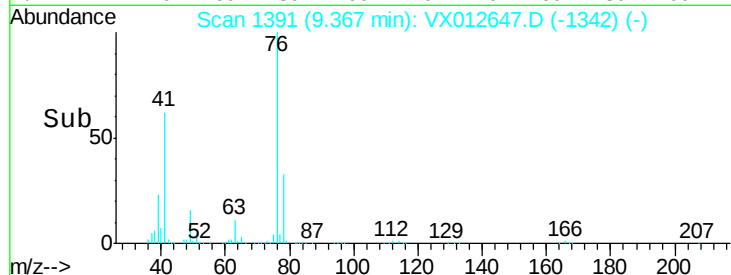
100000

50000

0

Time-->

9.30 9.35 9.40 9.45 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 271.176 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012647.D

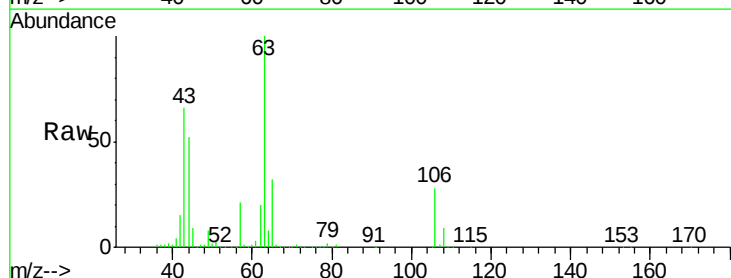
Acq: 24 Sep 2019 20:48

Tgt Ion: 63 Resp: 468893

Ion Ratio Lower Upper

63 100

106 28.9 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

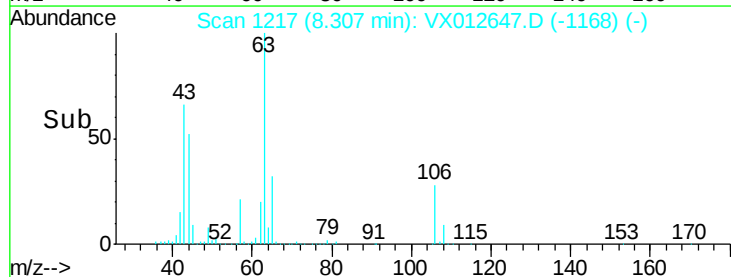
200000

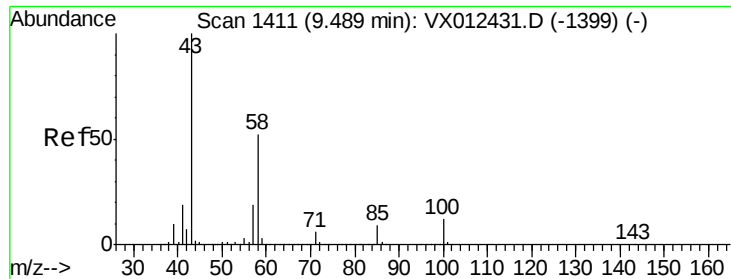
100000

0

Time-->

8.20 8.30 8.40





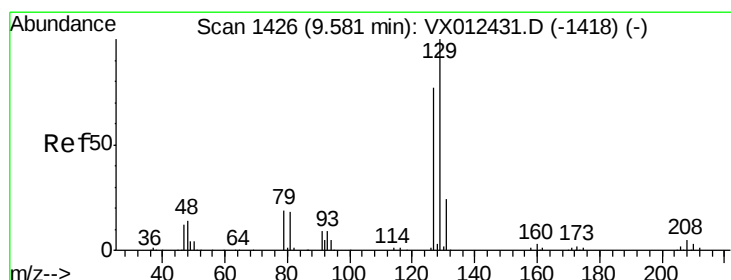
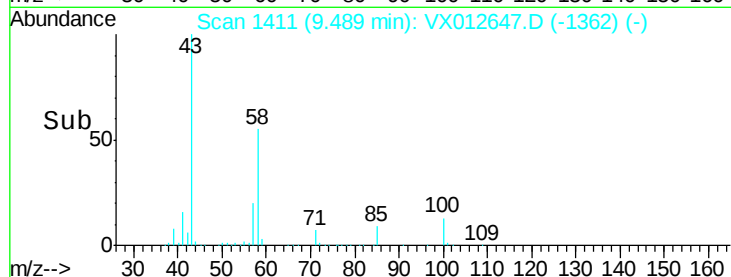
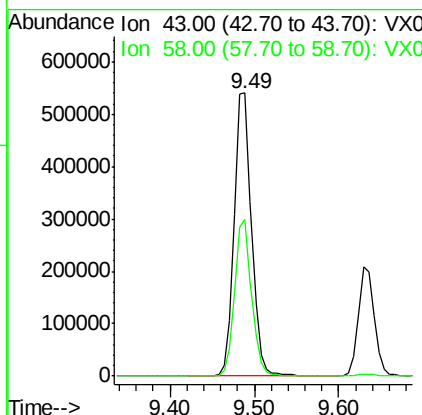
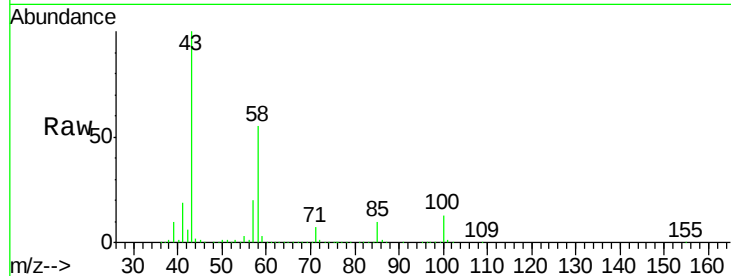
#59
2-Hexanone
Concen: 262.892 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 757392
Ion Ratio Lower Upper
43 100
58 53.9 25.7 77.1

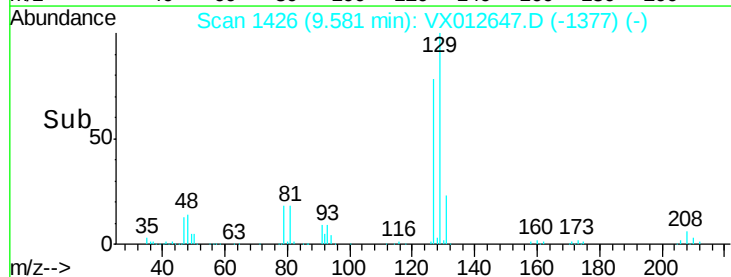
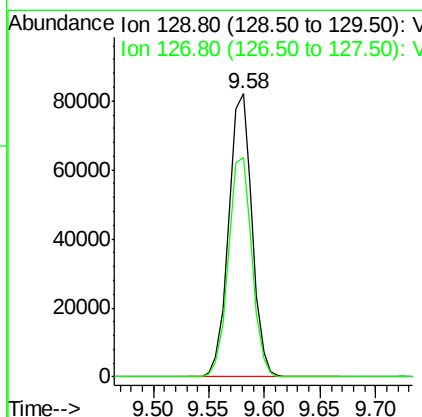
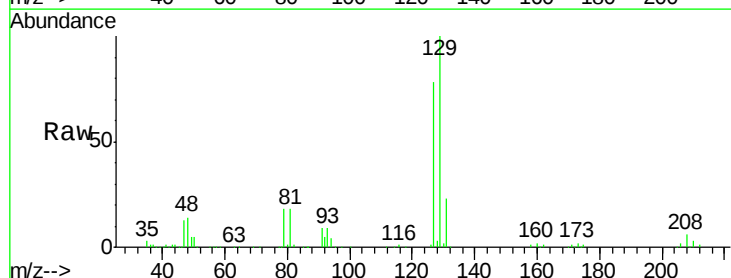
Manual Integrations
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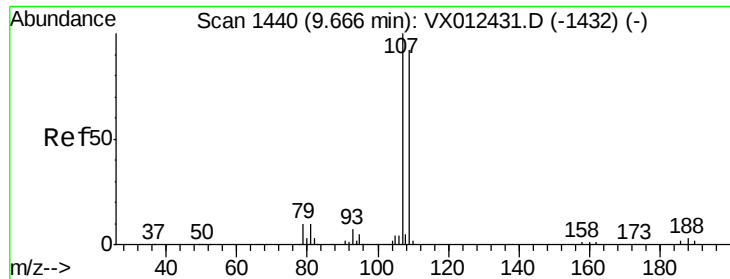
MMDadoda
9/25/2019 9:29:28 AM



#60
Dibromochloromethane
Concen: 51.162 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion:129 Resp: 118752
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.464 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 125194

Ion Ratio Lower Upper

107 100

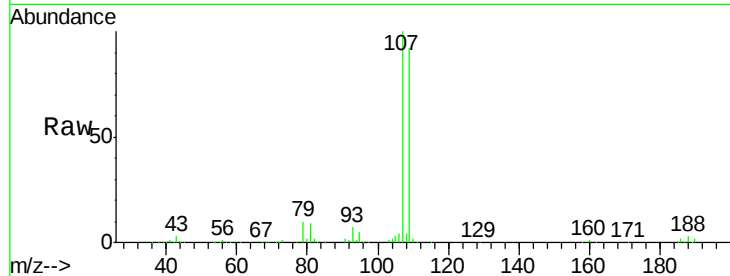
109 93.1 74.7 112.1

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

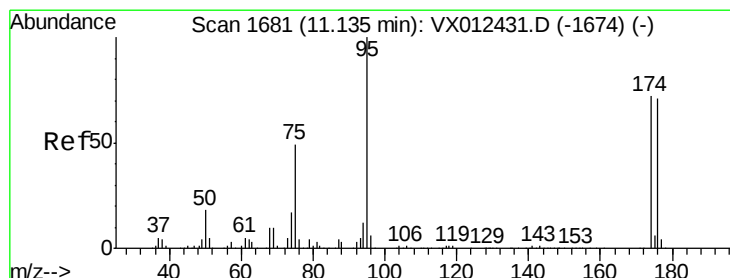
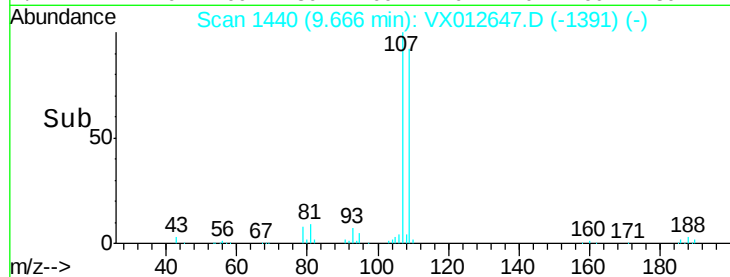
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.405 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

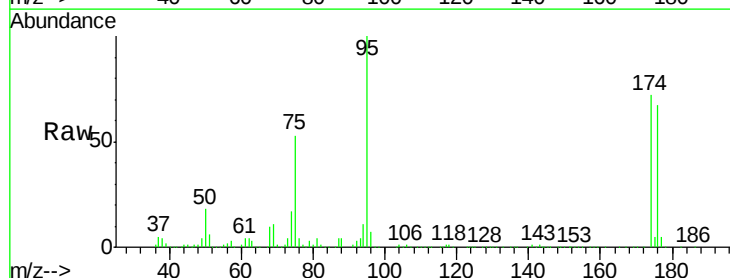
Tgt Ion: 95 Resp: 158746

Ion Ratio Lower Upper

95 100

174 68.2 0.0 140.0

176 64.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

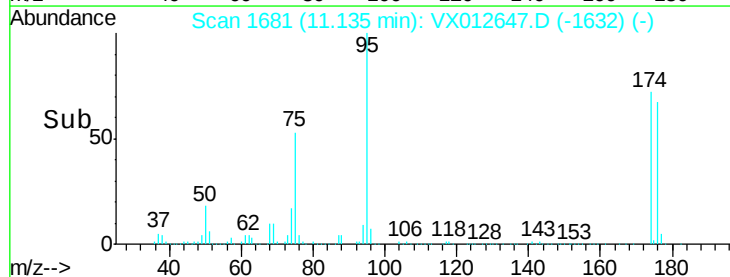
150000

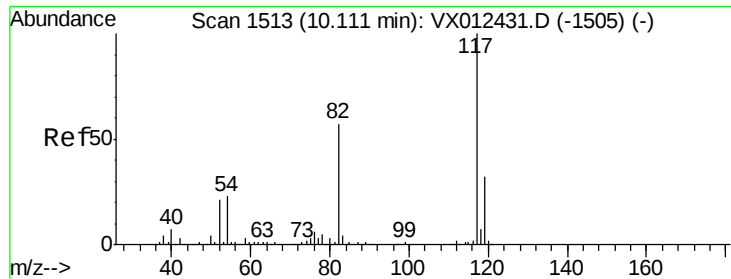
100000

50000

0

Time-->





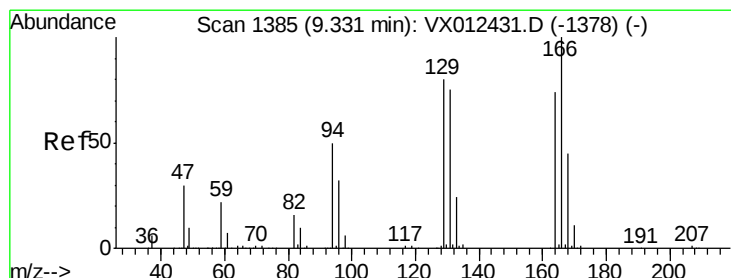
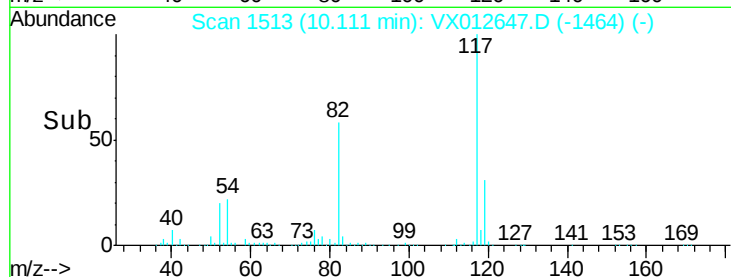
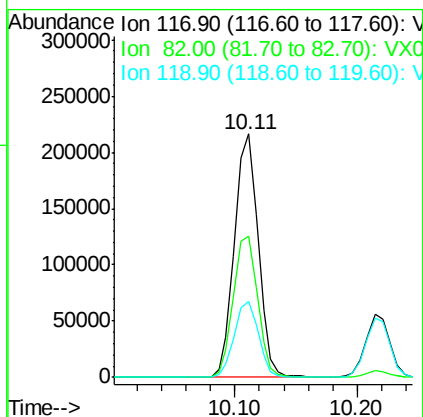
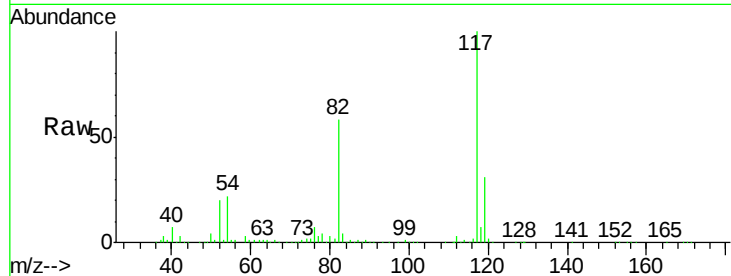
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291336		
82	58.0	45.9	68.9	
119	31.4	25.3	37.9	

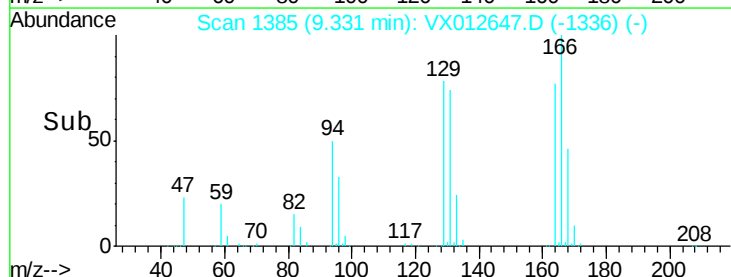
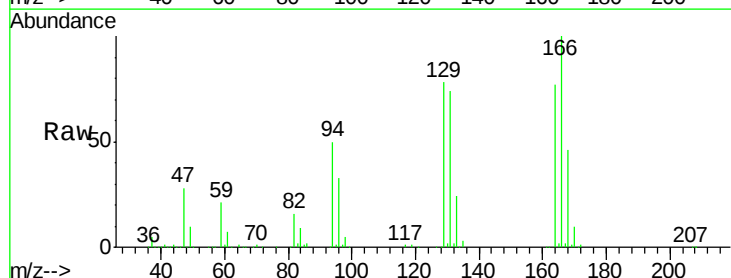
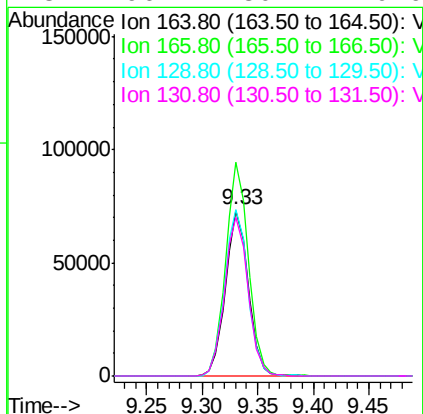
Manual Integrations
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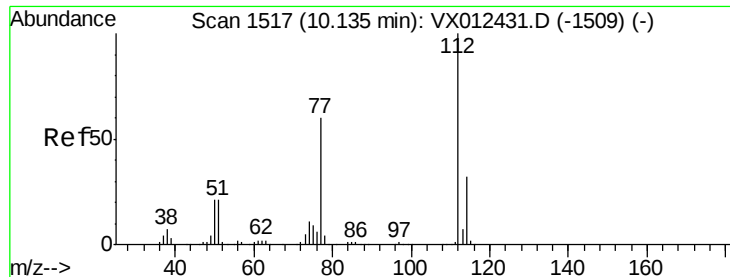
MMDadoda
9/25/2019 9:29:28 AM



#64
Tetrachloroethene
Concen: 51.078 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103753		
166	129.2	107.8	161.6	
129	100.9	86.2	129.2	
131	96.1	80.4	120.6	





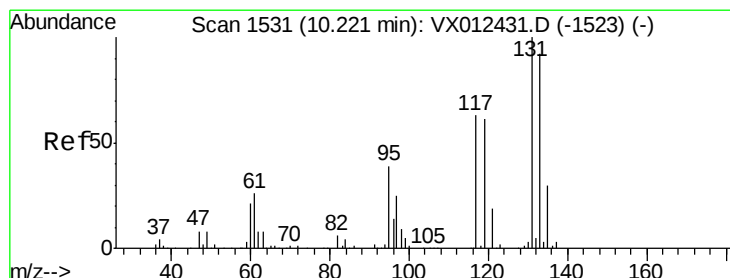
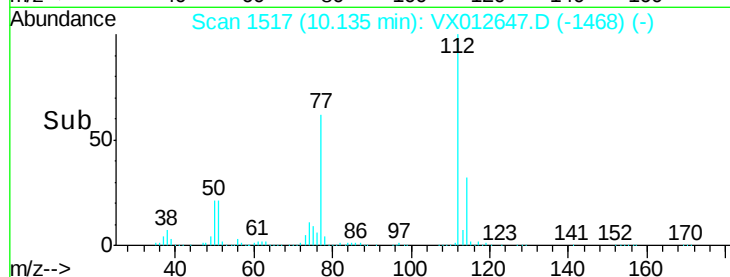
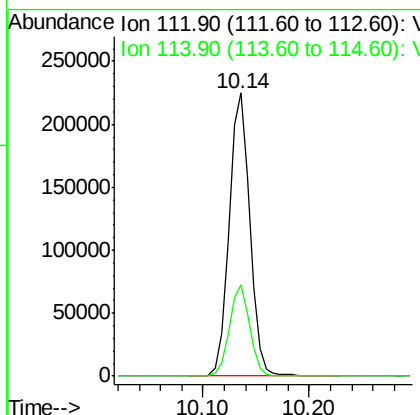
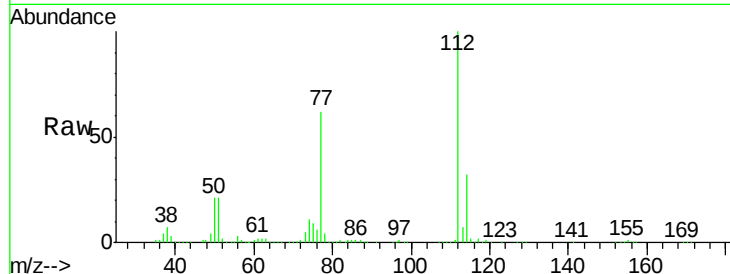
#65
Chlorobenzene
Concen: 50.019 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 306864
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

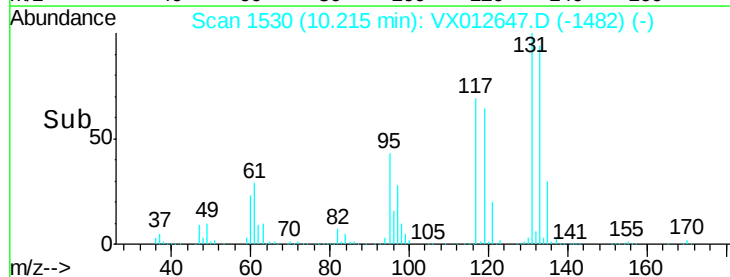
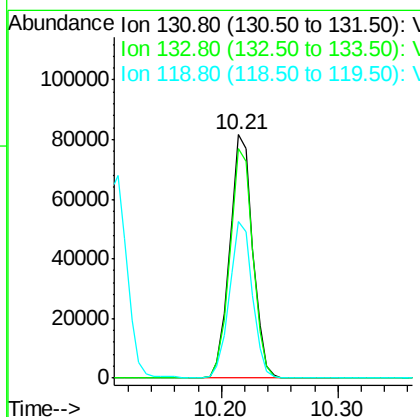
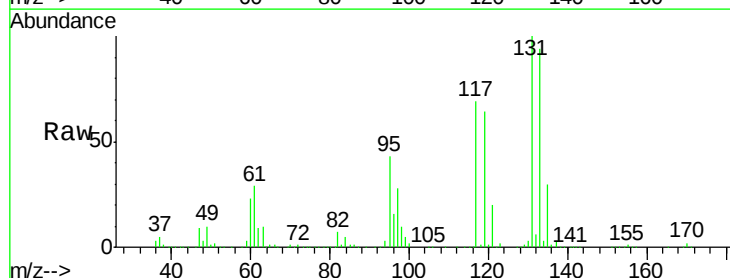
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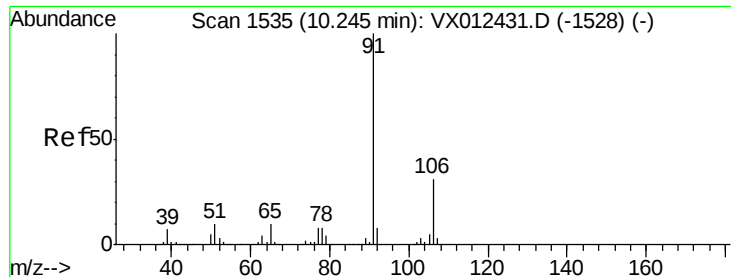
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.485 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion:131 Resp: 112219
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 64.4 31.3 93.8





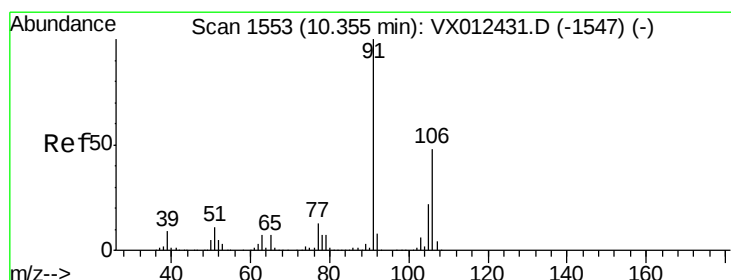
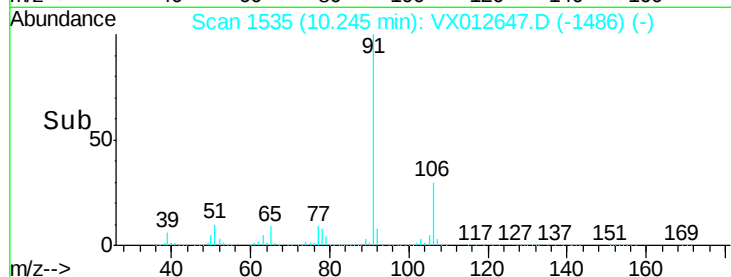
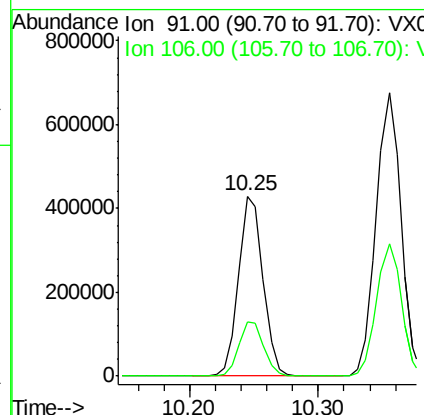
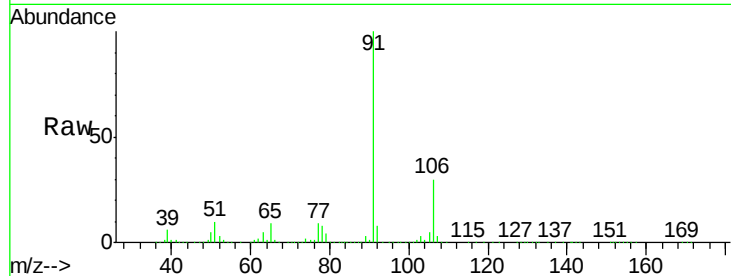
#67
Ethyl Benzene
Concen: 51.483 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	37.0

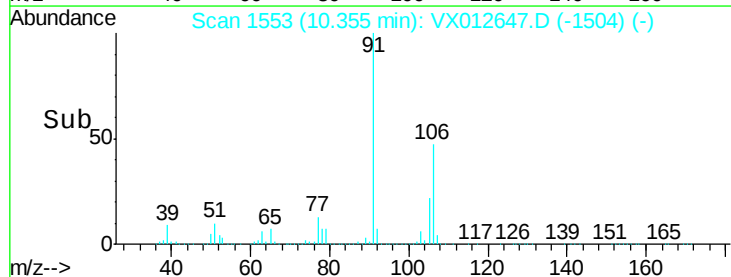
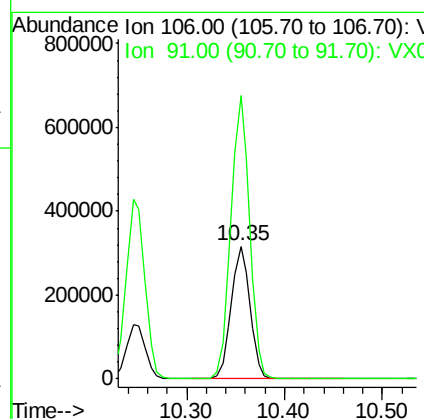
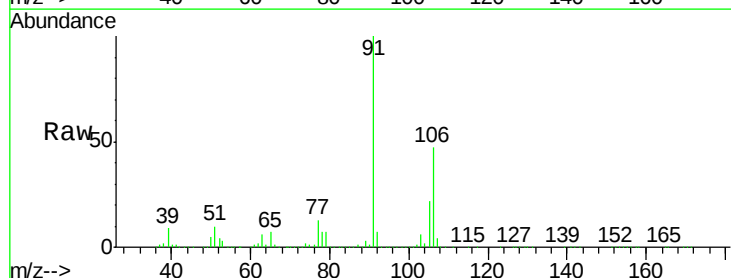
Manual Integrations
APPROVED

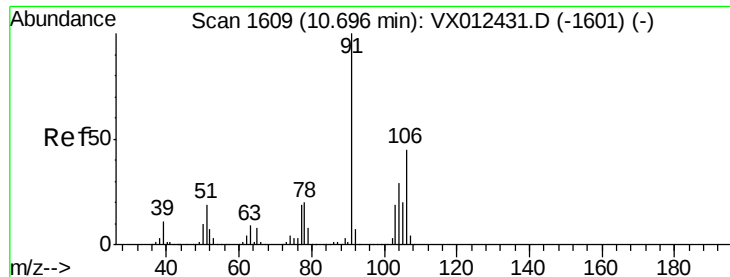
MMDadoda
9/25/2019 9:29:28 AM



#68
m/p-Xylenes
Concen: 101.645 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.8	166.6	250.0





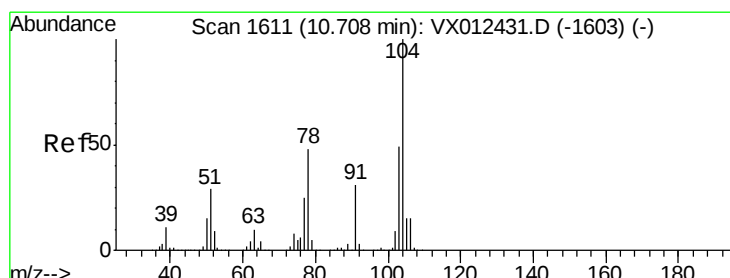
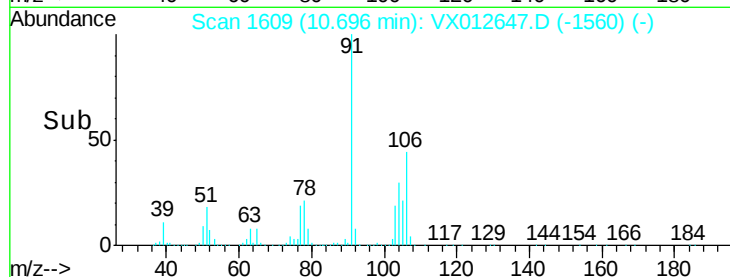
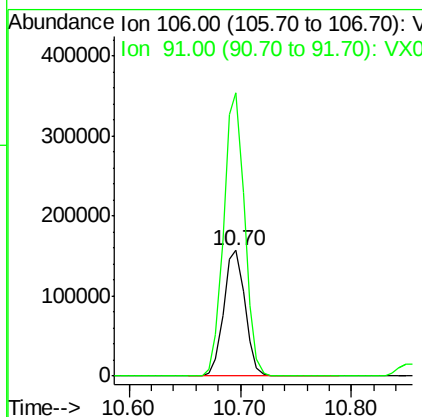
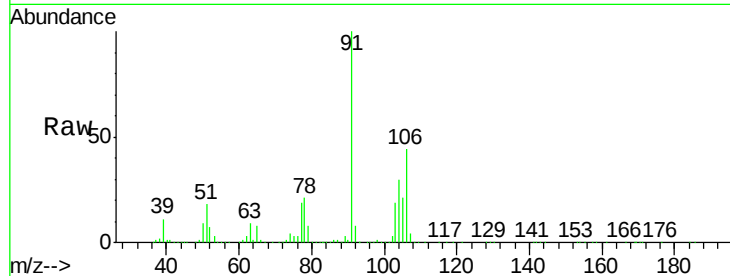
#69
o-Xylene
Concen: 51.610 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	208159		
91	220.9	109.4	328.2	

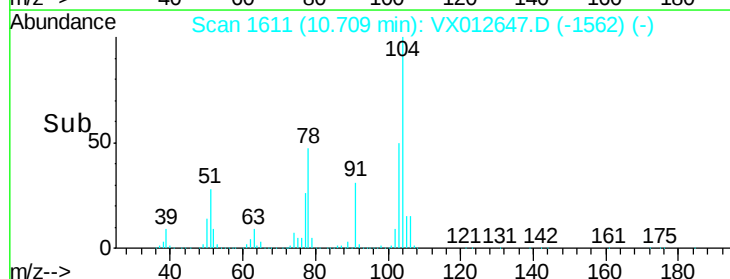
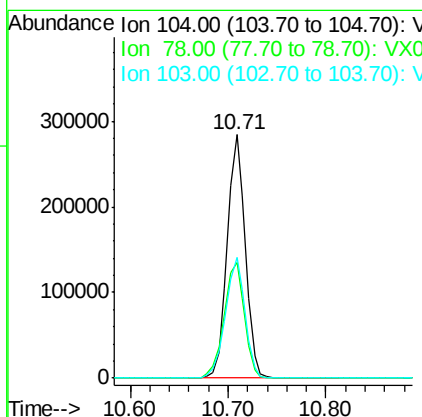
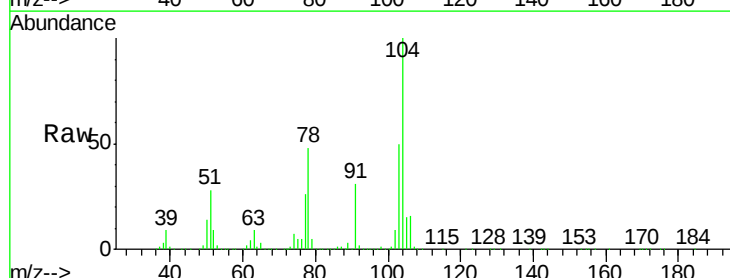
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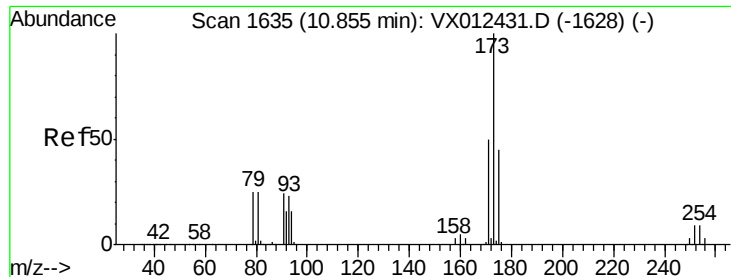
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#70
Styrene
Concen: 53.960 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	364847		
78	53.5	43.4	65.2	
103	53.7	43.3	64.9	





#71

Bromoform

Concen: 51.541 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 79773

Ion Ratio Lower Upper

173 100

175 47.3 23.7 71.1

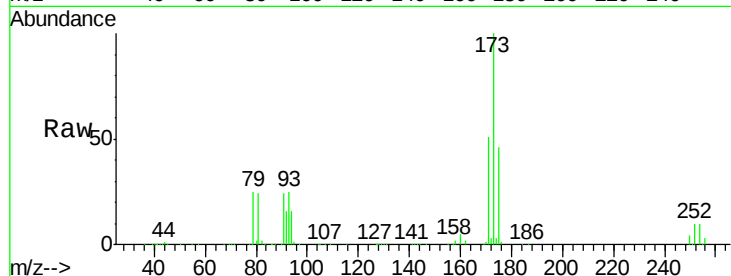
254 0.1 0.1 0.1

Manual Integrations

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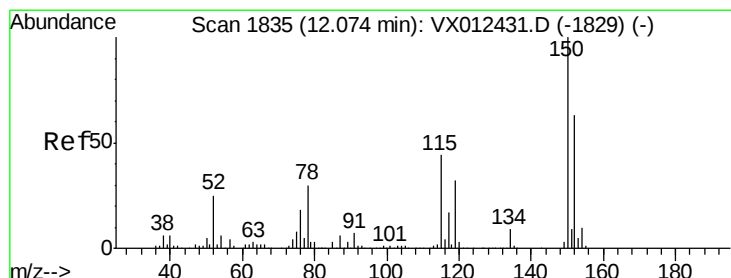
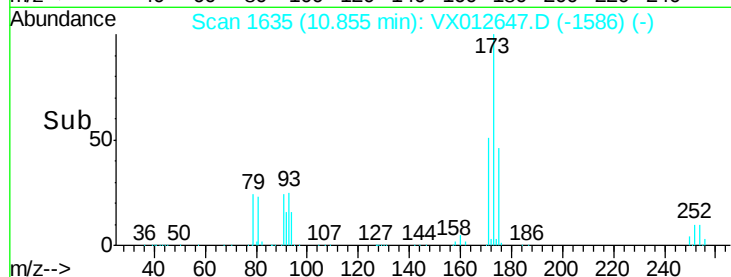
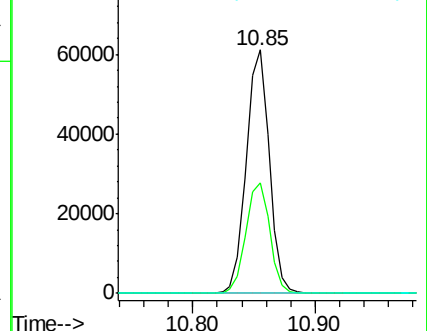
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX012647.D

Acq: 24 Sep 2019 20:48

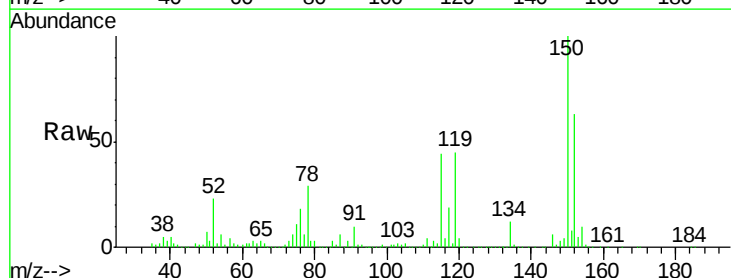
Tgt Ion:152 Resp: 138875

Ion Ratio Lower Upper

152 100

115 90.0 44.1 132.3

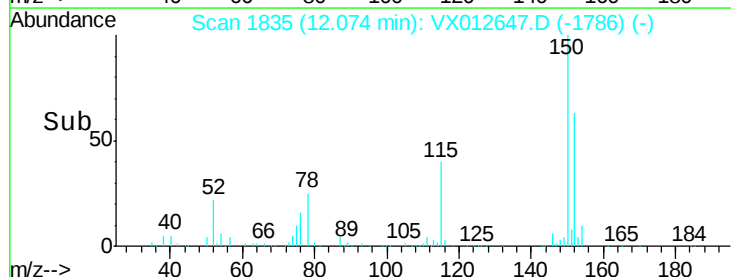
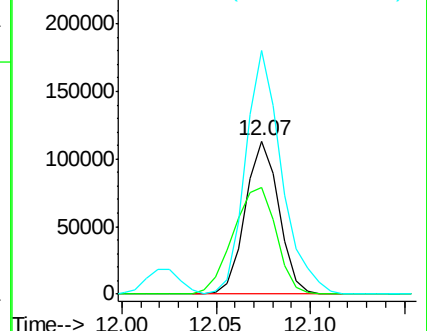
150 173.1 0.0 343.8

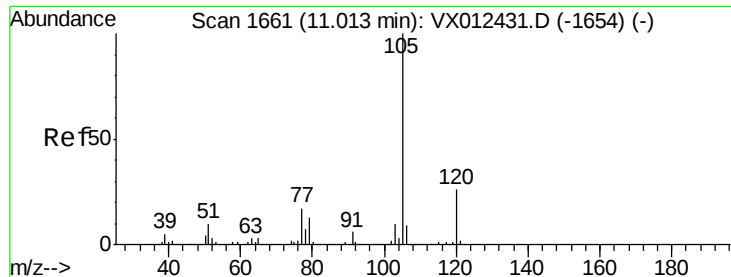


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.042 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 554704

Ion Ratio Lower Upper

105 100

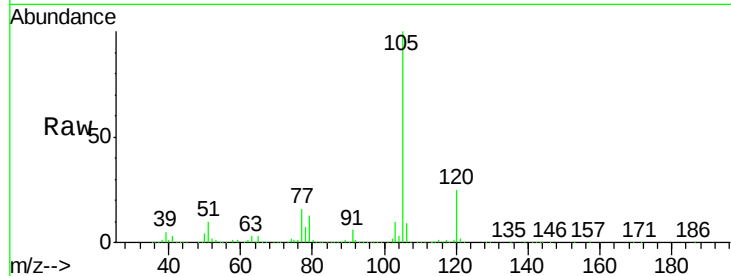
120 25.6 12.9 38.7

Manual Integrations

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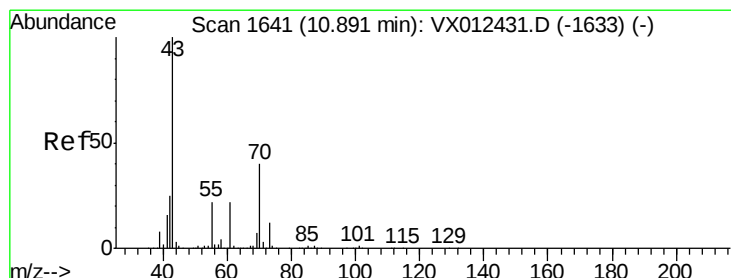
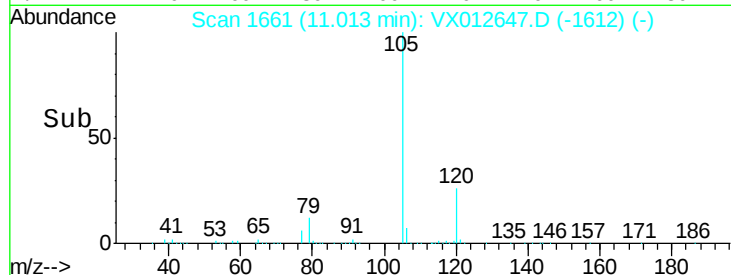
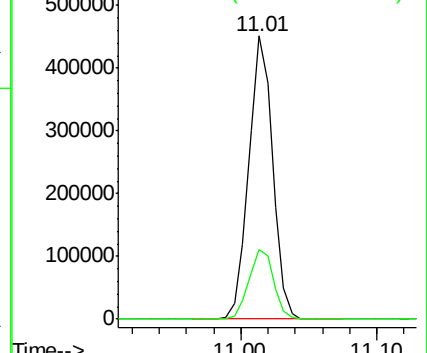
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.391 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion: 43 Resp: 277309

Ion Ratio Lower Upper

43 100

70 42.9 32.4 48.6

55 23.8 18.2 27.4

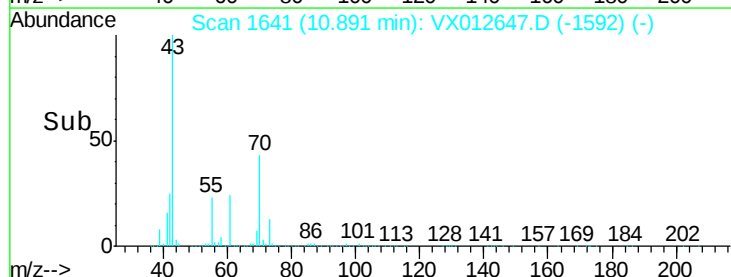
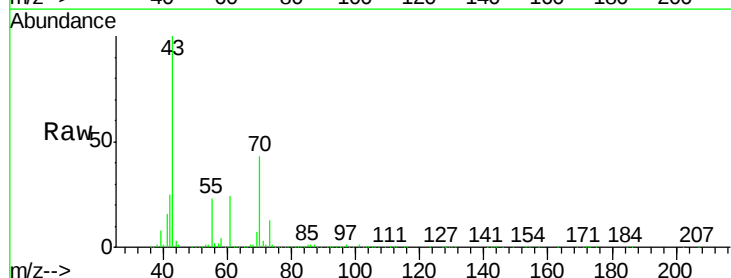
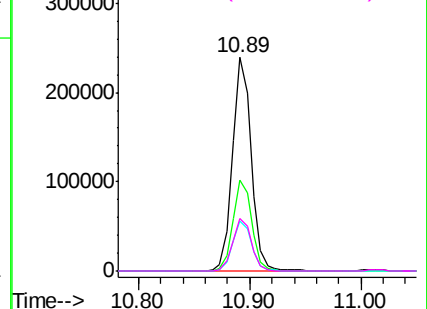
61 24.7 18.5 27.7

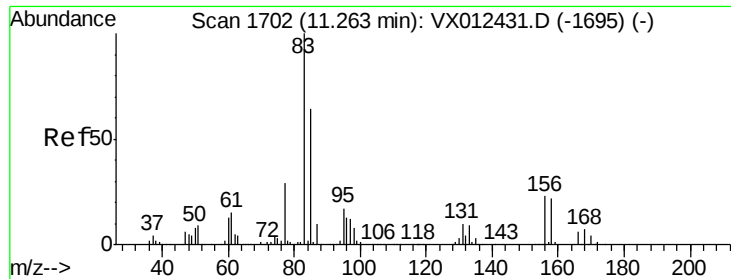
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.391 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 185019

Ion Ratio Lower Upper

83 100

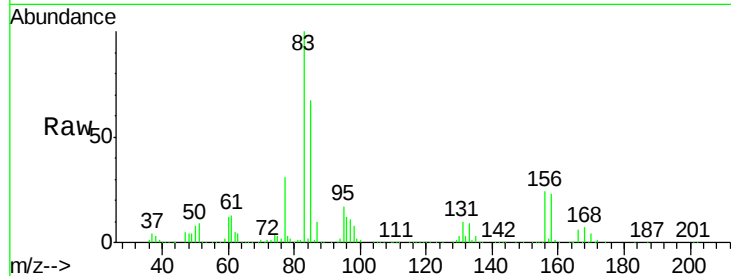
131 10.3 5.2 15.6

85 65.0 32.0 96.0

Manual Integrations
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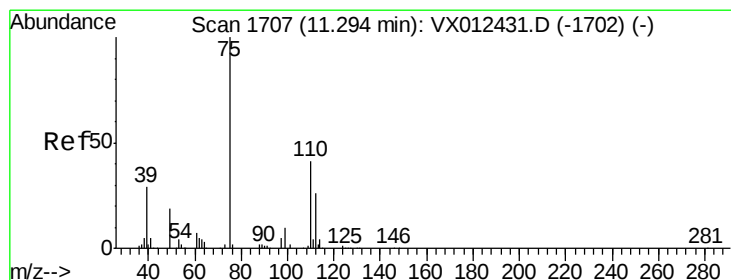
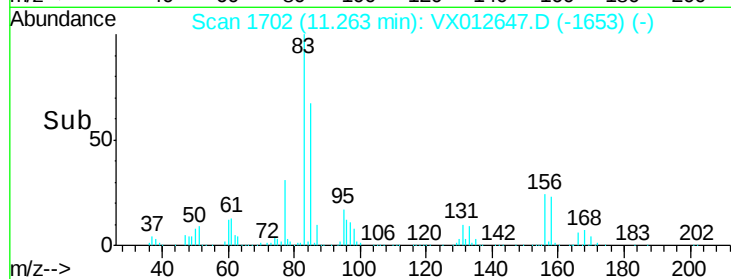
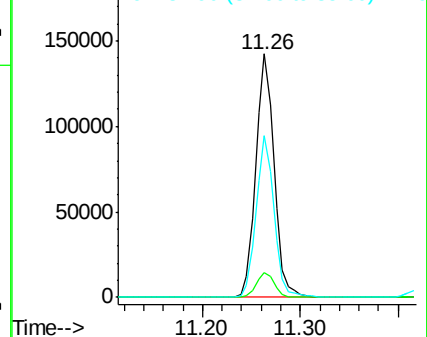
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.494 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012647.D

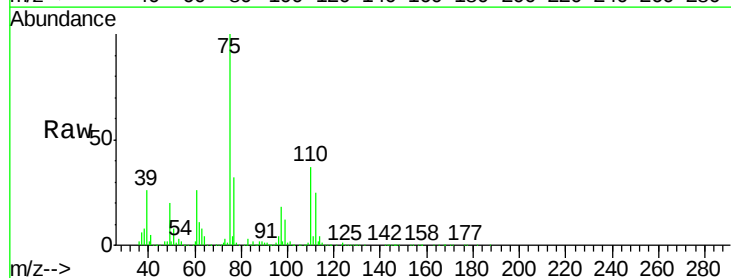
Acq: 24 Sep 2019 20:48

Tgt Ion: 75 Resp: 181822

Ion Ratio Lower Upper

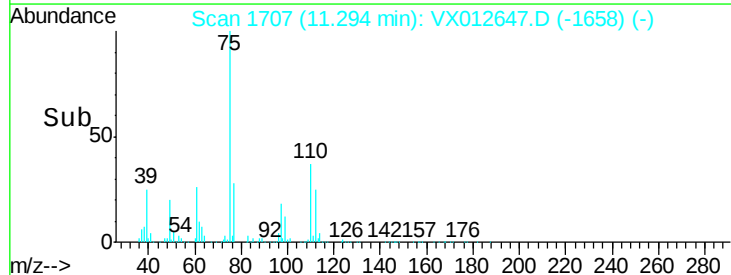
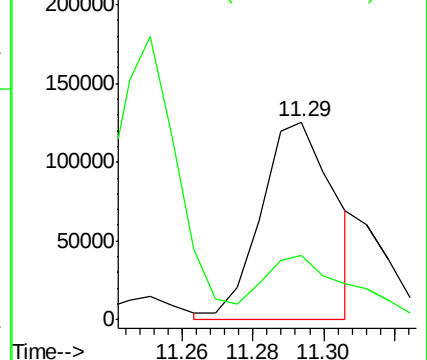
75 100

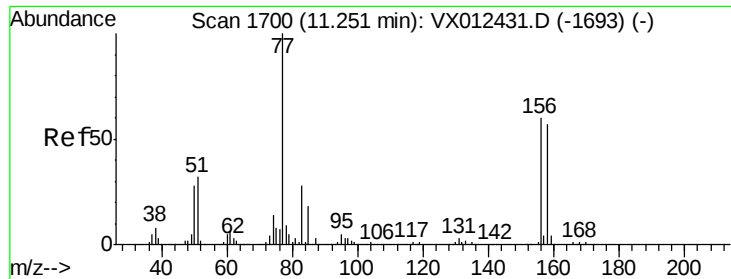
77 38.3 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.331 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

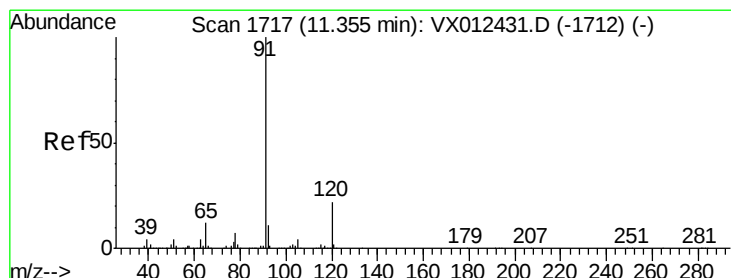
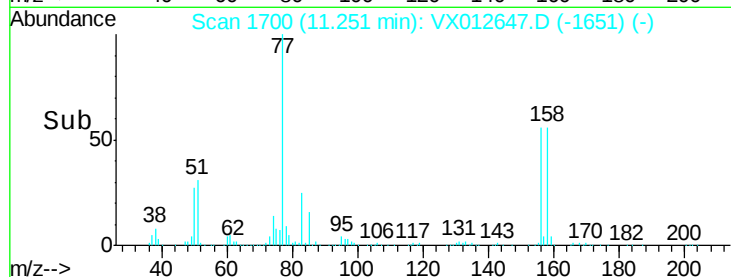
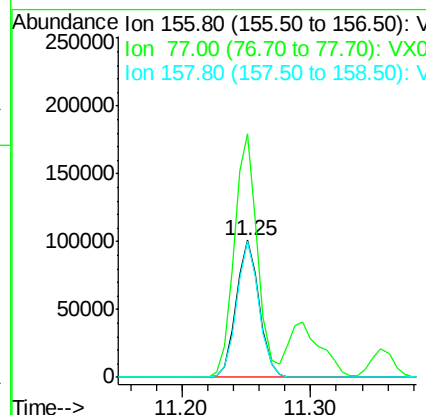
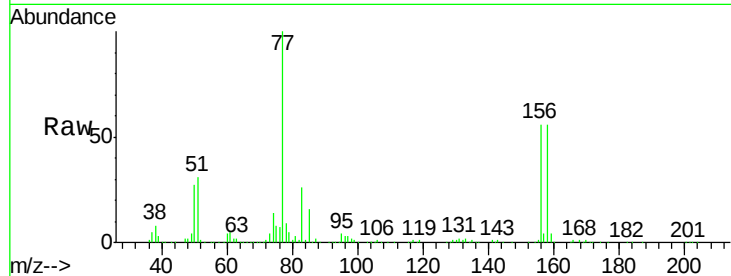
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	126285
Ion Ratio	Lower	Upper	
156	100		
77	179.5	87.3	261.8
158	96.5	48.5	145.6

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#78

n-propylbenzene

Concen: 49.890 ug/l

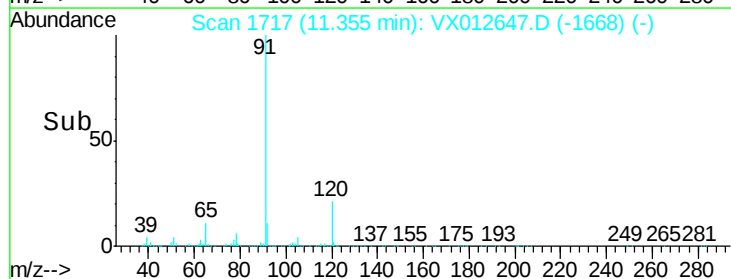
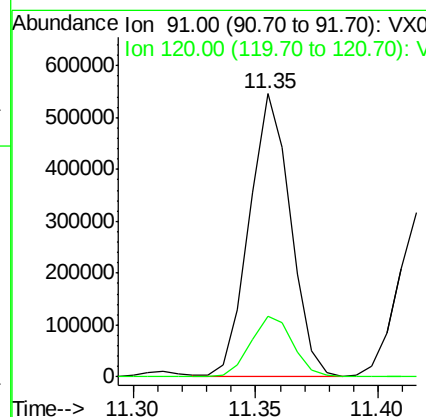
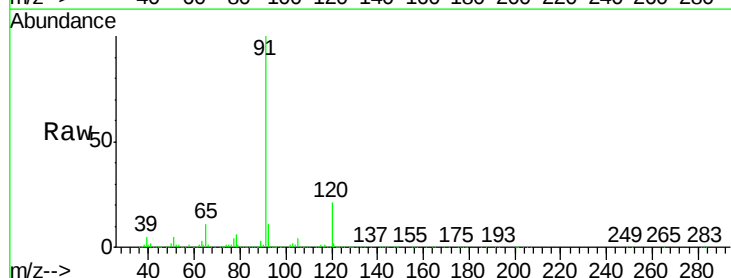
RT: 11.35 min Scan# 1717

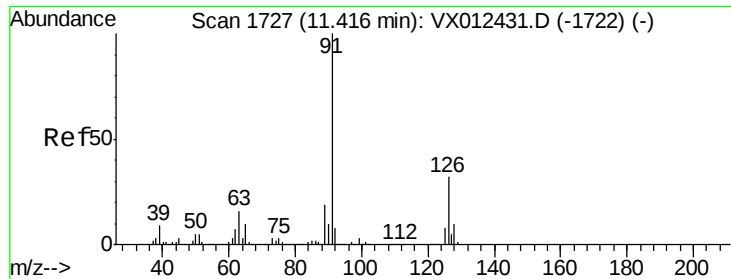
Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion:	91	Resp:	635305
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.8





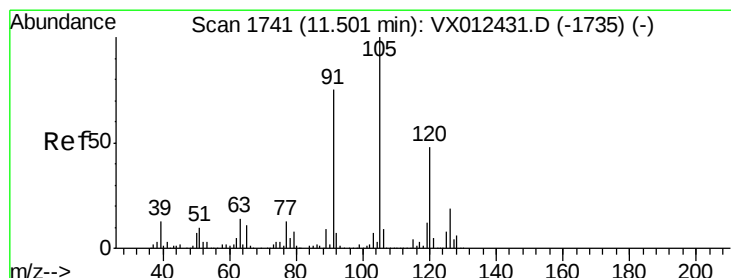
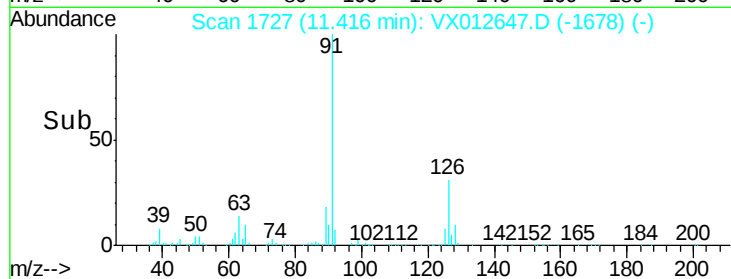
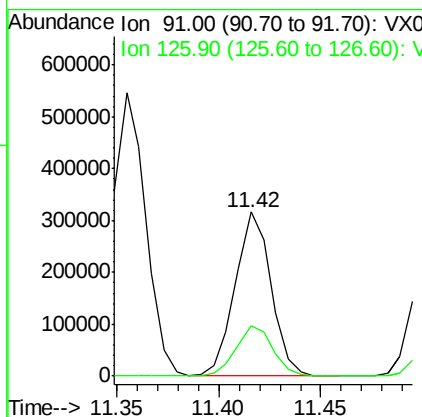
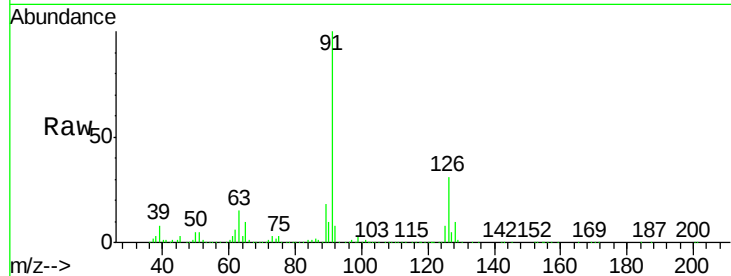
#79
 2-Chlorotoluene
 Concen: 48.310 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.4

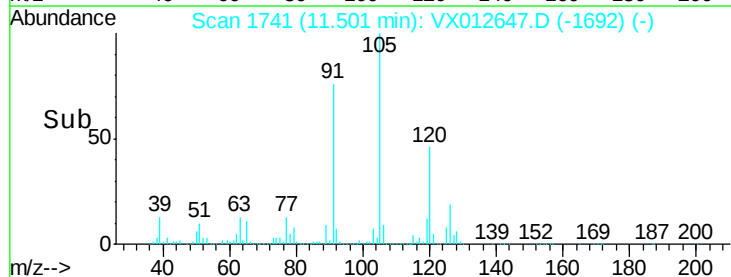
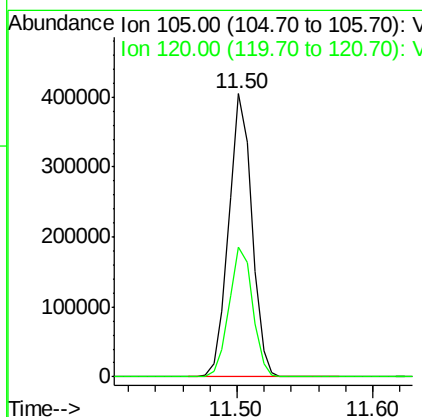
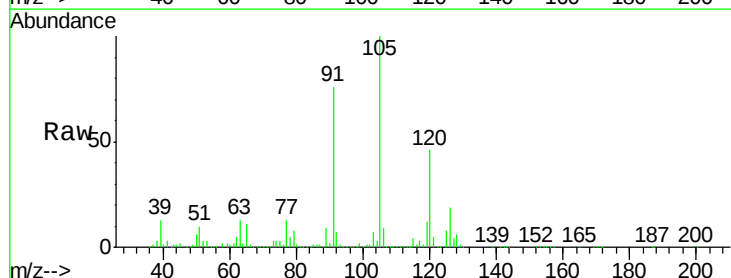
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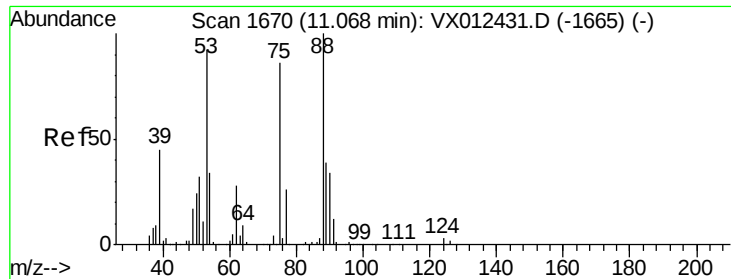
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.430 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.3	72.8





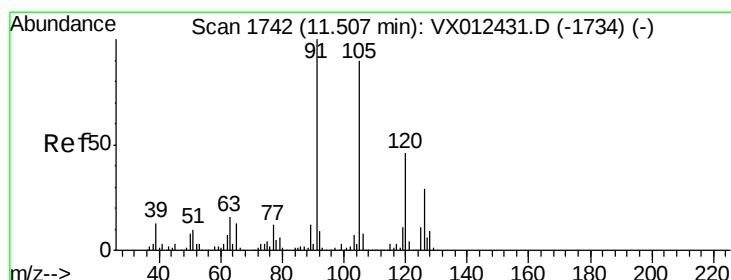
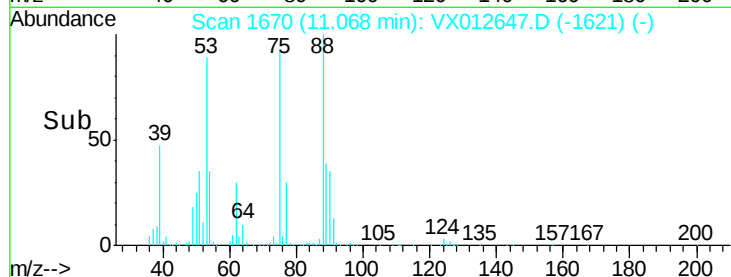
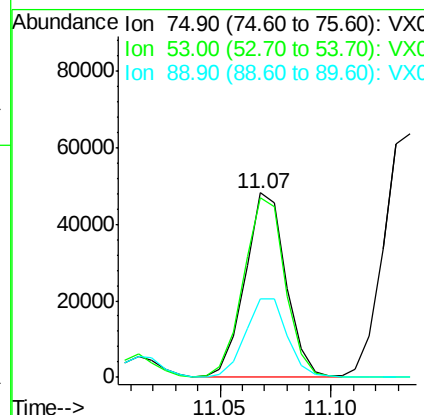
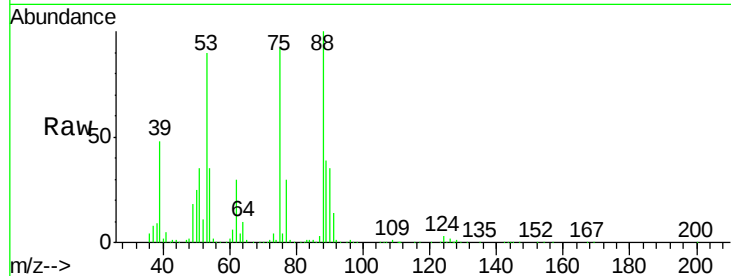
#81
trans-1,4-Dichloro-2-butene
Concen: 48.070 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	83.6	125.4
89	43.9	36.3	54.5

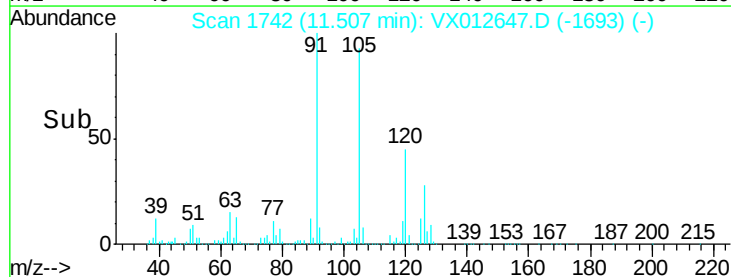
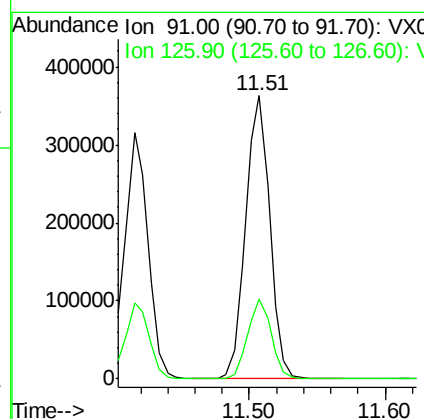
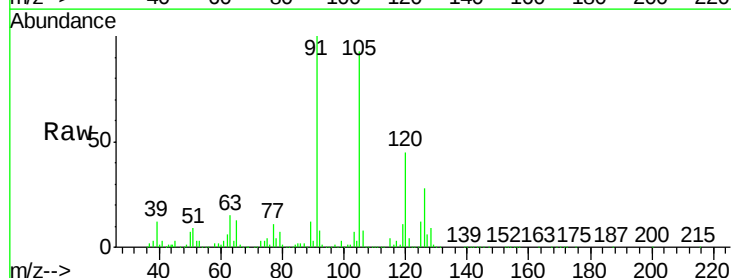
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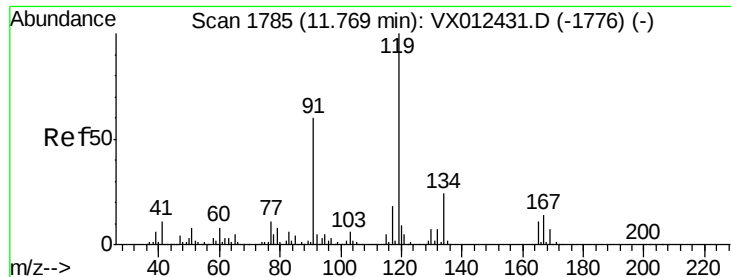
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#82
4-Chlorotoluene
Concen: 49.491 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.4	43.0





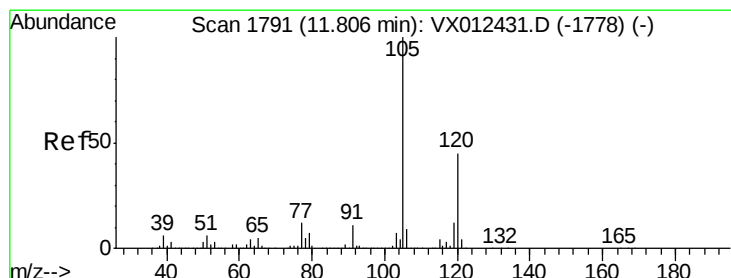
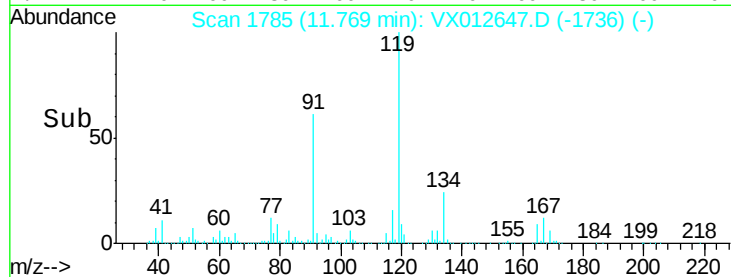
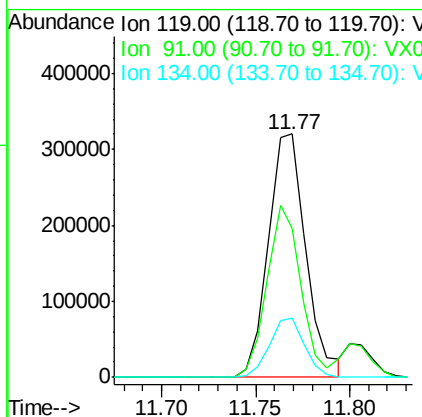
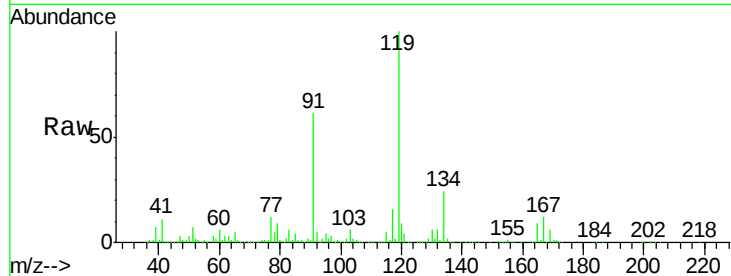
#83
 tert-Butylbenzene
 Concen: 48.571 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	444413		
91	63.2	30.0	90.0	
134	22.8	11.3	33.9	

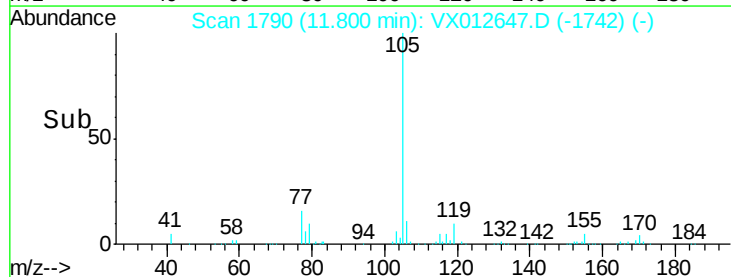
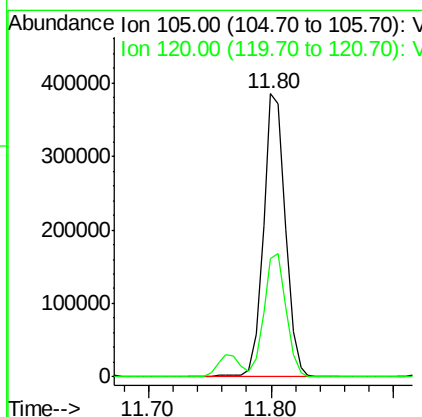
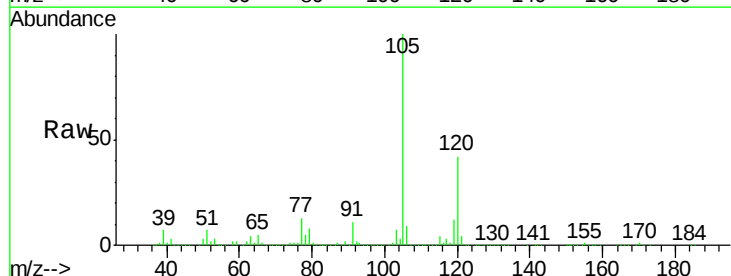
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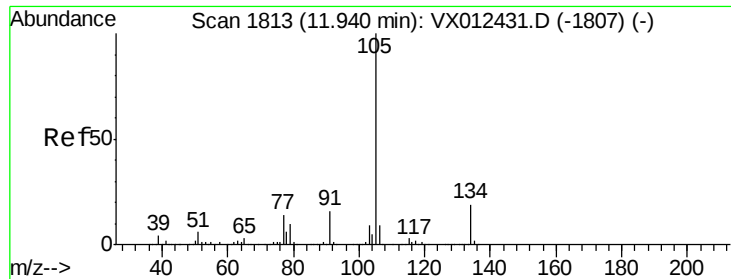
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.441 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	482638		
120	43.5	22.2	66.6	





#85

sec-Butylbenzene

Concen: 50.194 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 534168

Ion Ratio Lower Upper

105 100

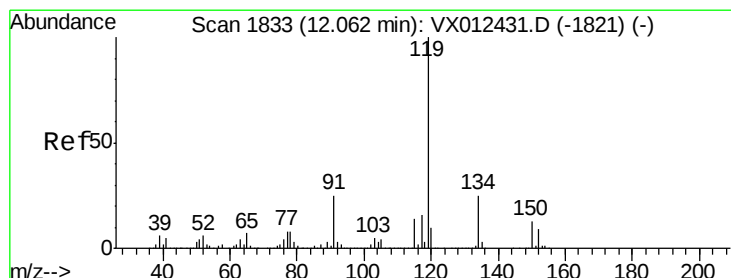
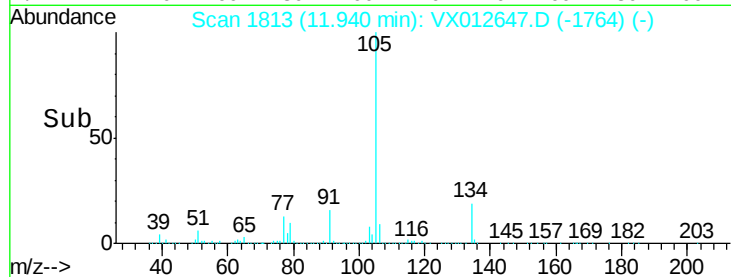
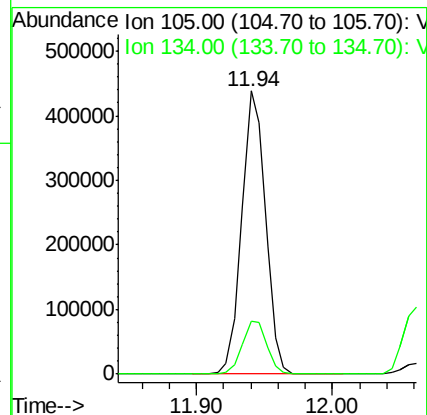
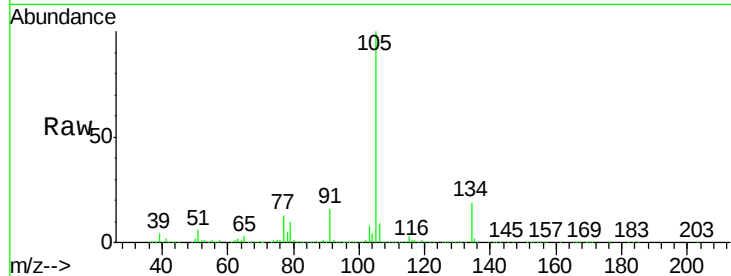
134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 51.693 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

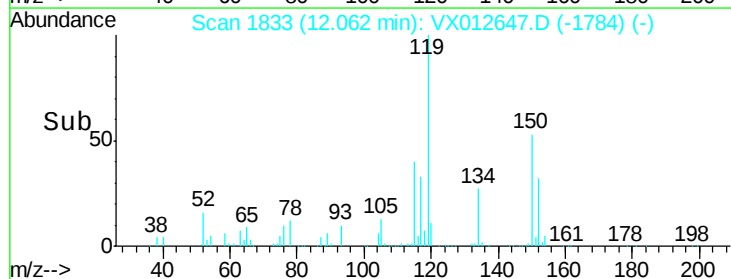
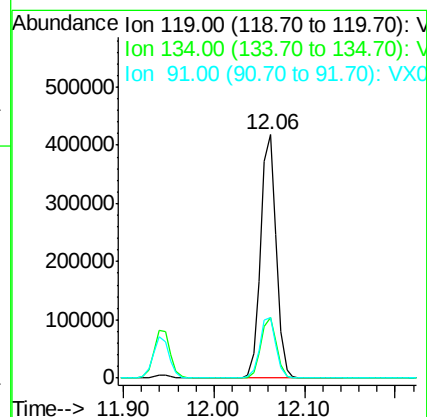
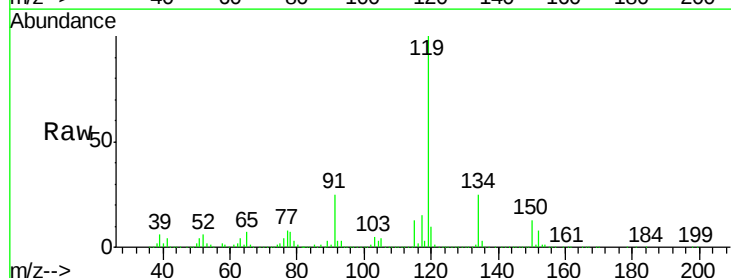
Tgt Ion:119 Resp: 496386

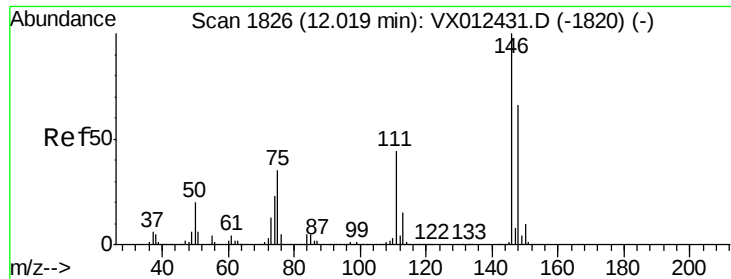
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 25.5 12.8 38.4





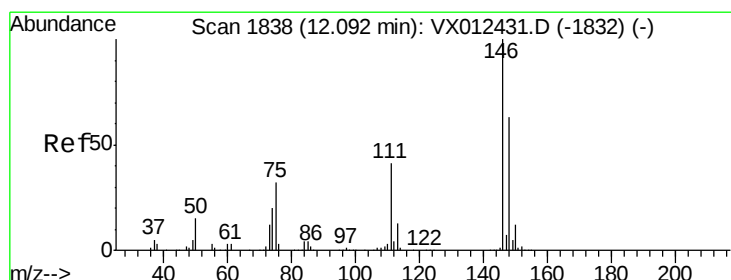
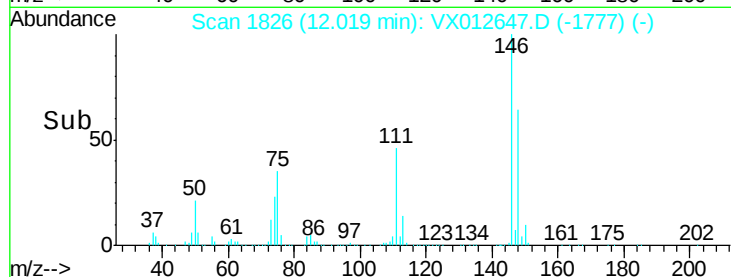
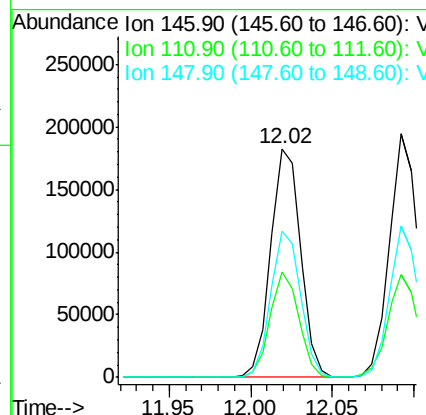
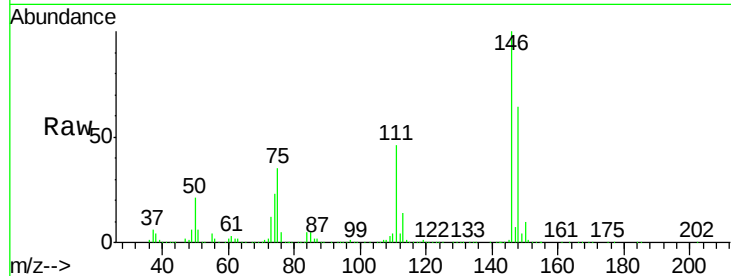
#87
 1,3-Dichlorobenzene
 Concen: 50.539 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232829		
111	44.5	21.3	64.0	
148	63.7	32.4	97.2	

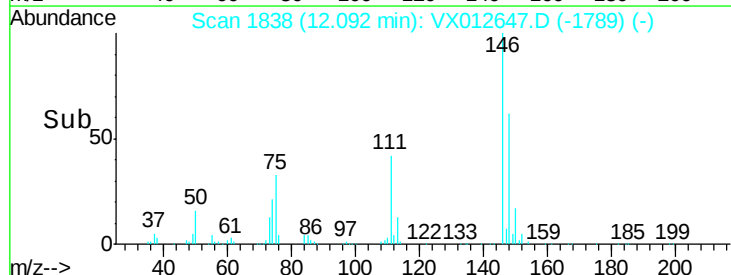
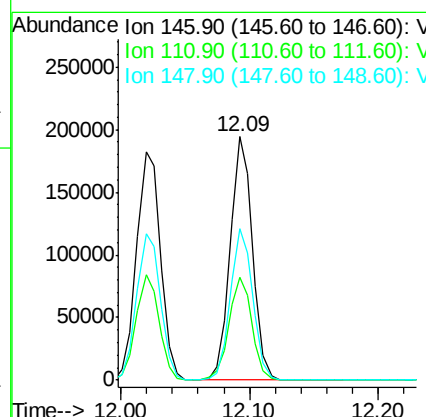
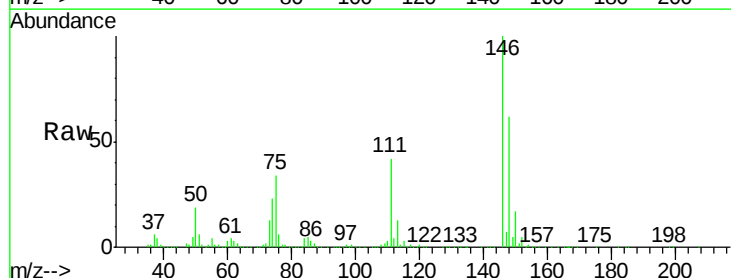
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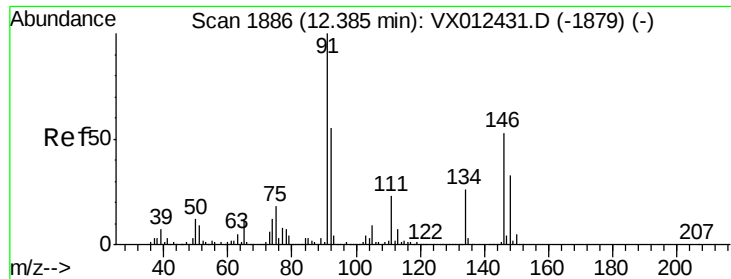
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#88
 1,4-Dichlorobenzene
 Concen: 50.719 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236113		
111	43.3	21.1	63.3	
148	63.1	32.1	96.5	





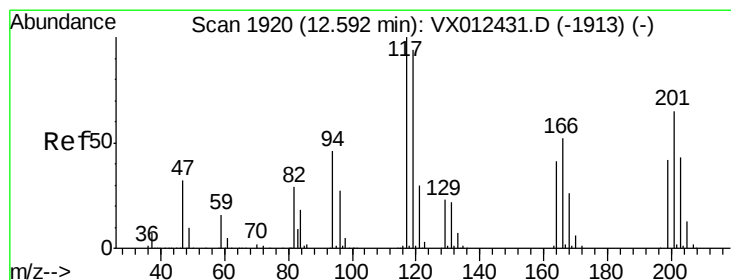
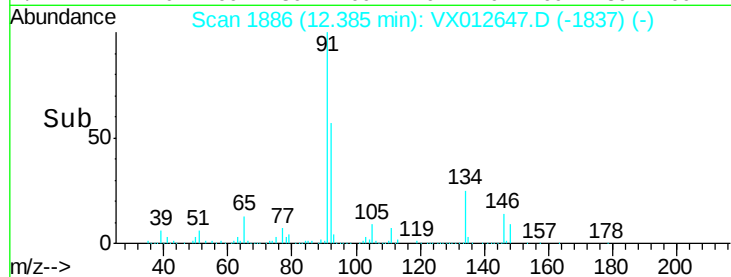
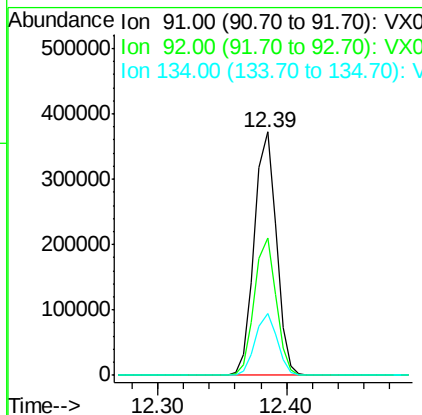
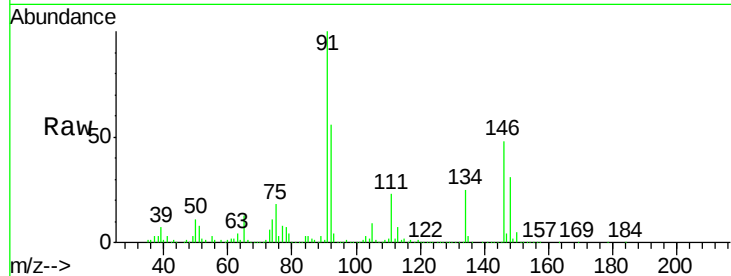
#89
n-Butylbenzene
Concen: 51.446 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.7	83.0
134	25.1	12.9	38.6

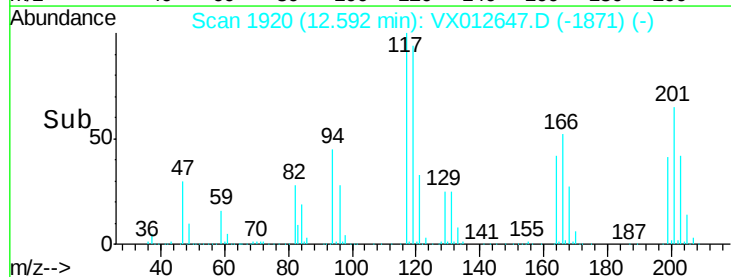
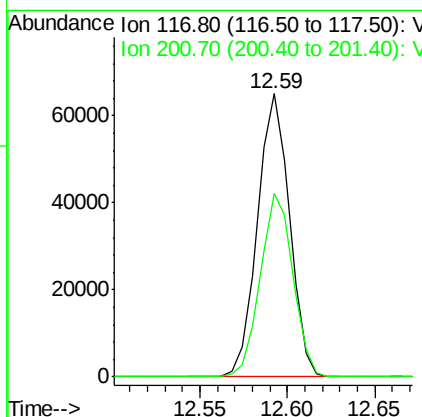
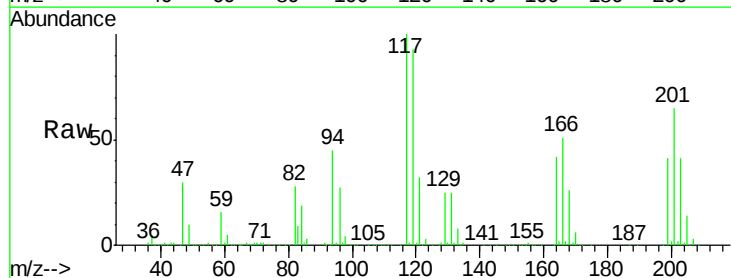
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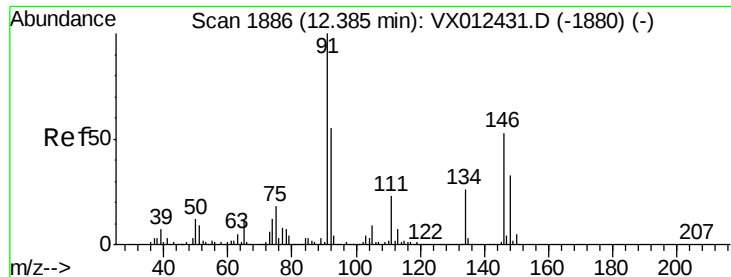
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#90
Hexachloroethane
Concen: 48.449 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 50.794 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Instrument :

MSVOA_X

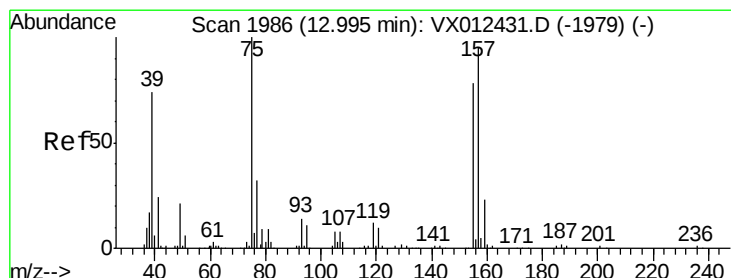
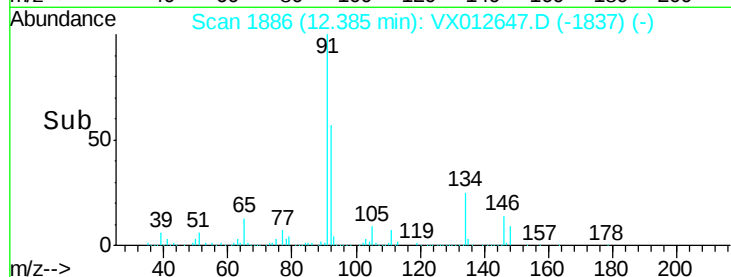
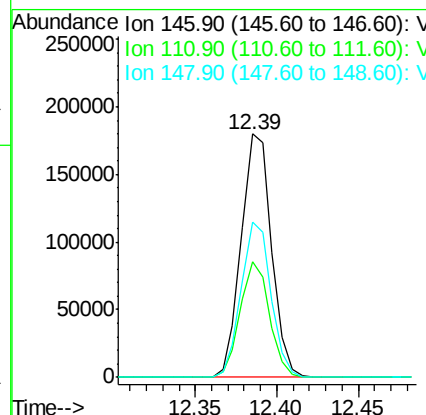
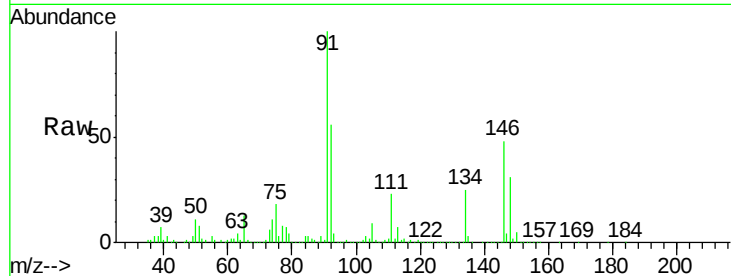
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	234273
Ion Ratio	Lower	Upper	
146	100		
111	45.9	22.1	66.1
148	62.9	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.773 ug/l

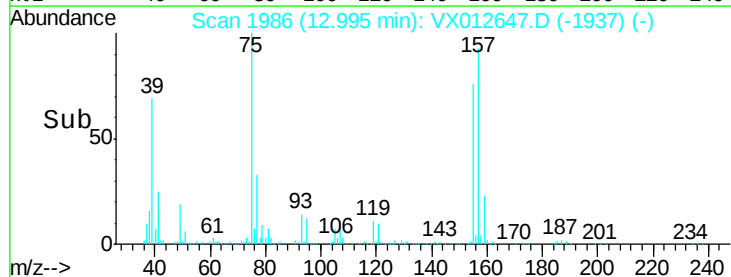
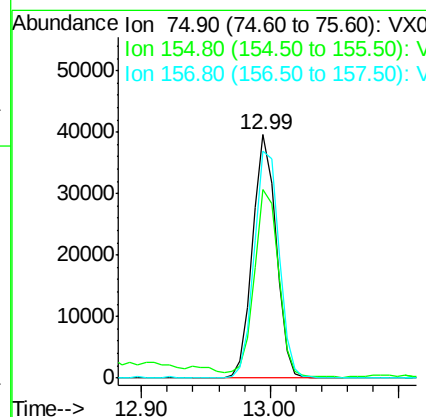
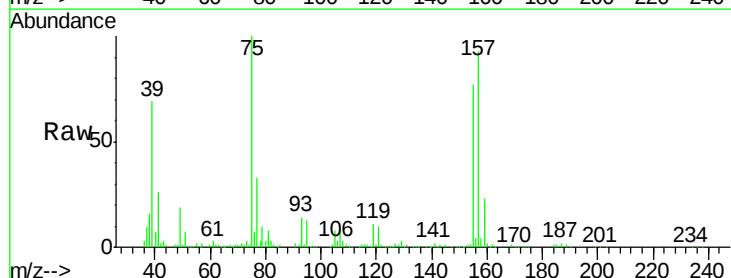
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012647.D

Acq: 24 Sep 2019 20:48

Tgt Ion:	75	Resp:	49451
Ion Ratio	Lower	Upper	
75	100		
155	79.8	38.6	115.8
157	98.5	50.6	151.9





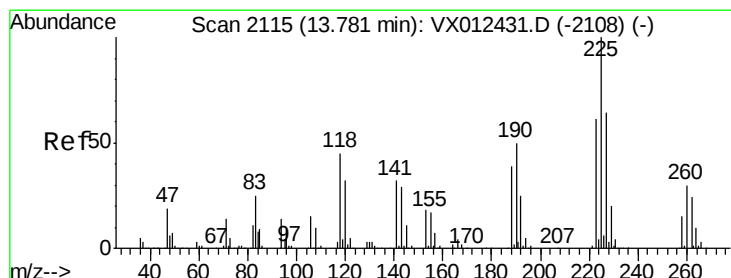
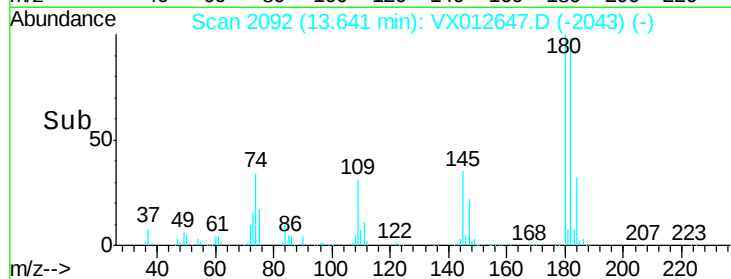
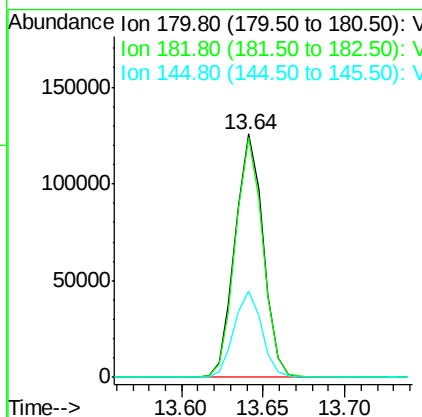
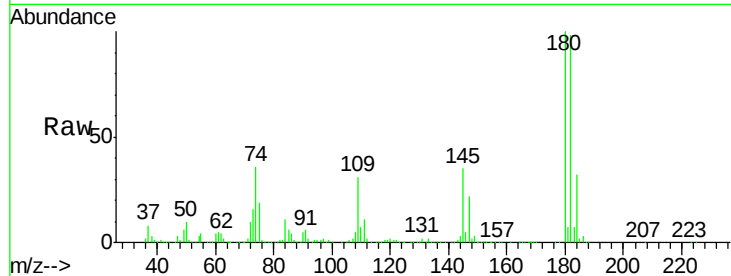
#93
 1,2,4-Trichlorobenzene
 Concen: 53.654 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150916		
182	96.6	47.0	141.0	
145	35.0	16.8	50.4	

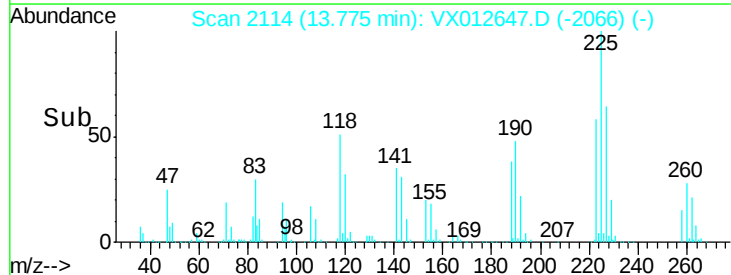
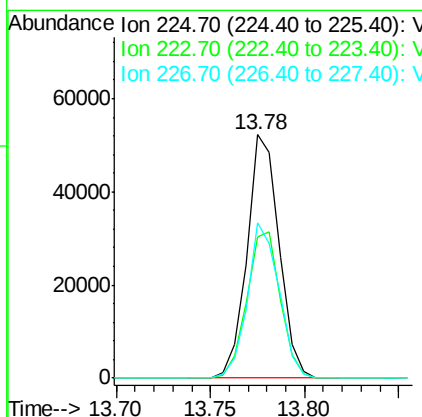
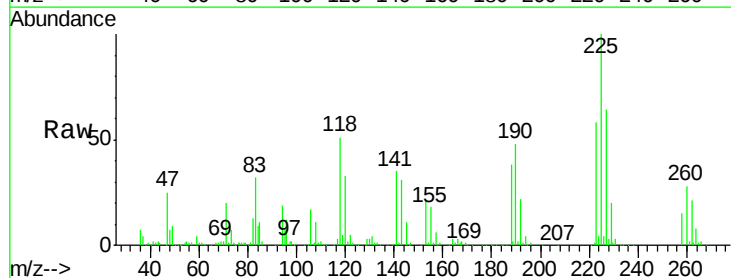
Manual Integrations
 APPROVED

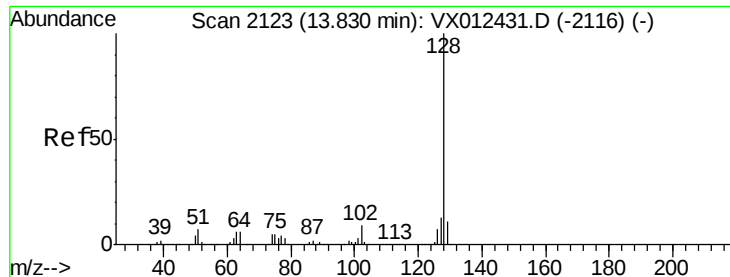
MMDadoda
 9/25/2019 9:29:28 AM



#94
 Hexachlorobutadiene
 Concen: 50.875 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012647.D
 Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61562		
223	63.1	32.0	96.2	
227	62.8	31.9	95.5	





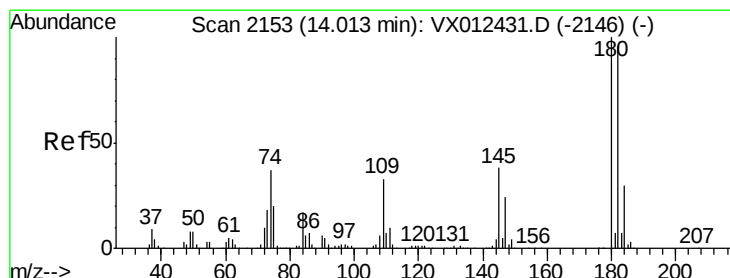
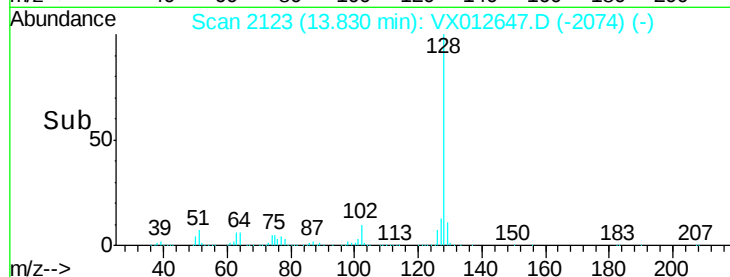
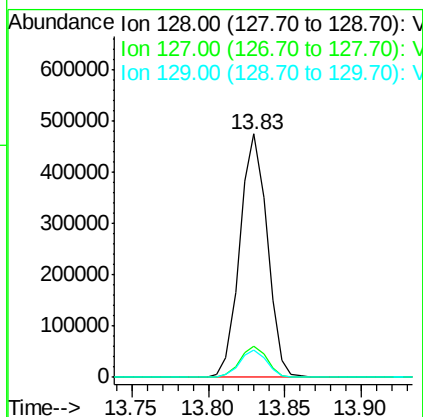
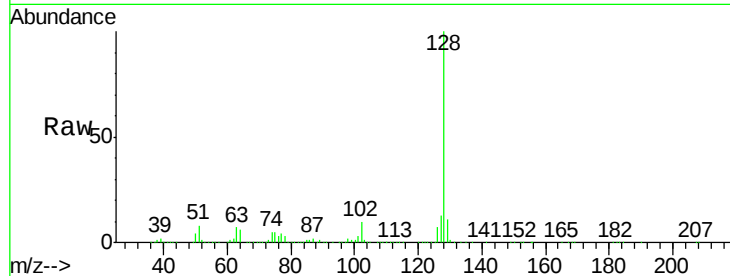
#95
Naphthalene
Concen: 57.948 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/25/2019 9:29:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.851 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012647.D
Acq: 24 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.3
145	36.9	18.0	54.0

