

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035192.D
 Acq On : 16 Jul 2020 13:52
 Operator : SY/AP
 Sample : VL0716ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

Quant Time: Jul 17 04:06:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1298993	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3101807	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	3628542	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2357185	8.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.99	85	1397989	7.679	ppbv	99
3) Chlorodifluoromethane	2.93	51	1342713	9.358	ppbv	97
4) Chloromethane	3.08	50	766349	9.476	ppbv	94
5) Vinyl Chloride	3.20	62	739075	8.552	ppbv	100
6) Bromomethane	3.42	94	462332	9.427	ppbv	95
7) Chloroethane	3.50	64	279348	9.144	ppbv	96
8) Dichlorotetrafluoroethane	3.13	85	1711797	8.579	ppbv	99
9) Propene	2.95	41	581221	10.719	ppbv	98
10) Heptane	8.10	43	1481007	10.639	ppbv	100
11) Trichlorofluoromethane	3.90	101	1749785	8.511	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1217923	8.436	ppbv	99
13) Ethanol	3.55	45	142860	8.275	ppbv	89
14) Bromoethene	3.69	108	567083	9.544	ppbv	98
15) Acetone	3.80	43	1390559	7.907	ppbv	99
16) 1,3-Butadiene	3.27	39	693534	10.274	ppbv	98
17) tert-Butyl alcohol	4.24	59	1558520	10.016	ppbv	99
18) 1,1-Dichloroethene	4.24	96	577673	9.037	ppbv	96
19) Isopropyl Alcohol	3.92	45	1041719	9.819	ppbv	# 98
20) Methylene Chloride	4.30	84	544131	7.111	ppbv	98
21) Allyl Chloride	4.37	41	956582	9.345	ppbv	99
22) trans-1,2-Dichloroethene	4.84	96	550602	8.627	ppbv	97
23) Vinyl Acetate	5.03	43	2037431	10.703	ppbv	97
24) 1,1-Dichloroethane	4.97	63	1512211	9.250	ppbv	99
25) Ethyl Acetate	5.64	43	2706892	9.918	ppbv	99
26) Hexane	5.65	57	1190367	9.892	ppbv	98
27) Carbon Disulfide	4.50	76	1521123	9.053	ppbv	100
28) Methyl tert-Butyl Ether	5.00	73	1899504	10.361	ppbv	99
29) Chloroform	5.72	83	1848571	9.163	ppbv	97
30) Cyclohexane	7.11	84	997227	11.200	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1217197	10.694	ppbv	99
32) 1,1,1-Trichloroethane	6.48	97	1845164	9.126	ppbv	99
34) 2-Butanone	5.20	43	1712106	10.341	ppbv	100
35) Carbon Tetrachloride	7.00	117	1867170	9.273	ppbv	98
36) Benzene	6.87	78	2368986	10.553	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1441579	9.568	ppbv	99
38) Trichloroethene	7.82	130	922322	10.083	ppbv	98
39) 1,2-Dichloropropane	7.60	63	920940	10.315	ppbv	97
40) 1,4-Dioxane	7.81	88	363303	10.222	ppbv	97
41) Tetrahydrofuran	6.01	42	938744	11.332	ppbv	99
42) Bromodichloromethane	7.78	83	1989401	9.888	ppbv	98
43) Methyl Methacrylate	8.00	69	1063748	11.209	ppbv	99

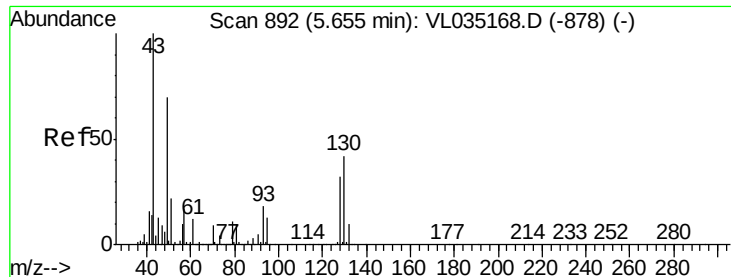
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035192.D
 Acq On : 16 Jul 2020 13:52
 Operator : SY/AP
 Sample : VL0716ABS01
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Instrument :
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 VL0716ABS01

Quant Time: Jul 17 04:06:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3999650	10.321	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1234394	12.381	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1421594	12.027	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	983444	10.064	ppbv	93
48) Dibromochloromethane	10.30	129	1649750	10.376	ppbv	100
49) Bromoform	13.05	173	1431198	10.290	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2503608	10.537	ppbv	100
51) 2-Hexanone	10.12	43	2026449	11.185	ppbv	100
52) Tetrachloroethene	11.22	164	851349	10.153	ppbv	95
53) Toluene	9.80	91	2712767	11.450	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1489336	10.270	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1244993	7.744	ppbv #	93
57) Chlorobenzene	12.15	112	2072668	7.750	ppbv	96
58) Ethyl Benzene	12.72	91	3610823	9.003	ppbv	98
59) m/p-Xylene	13.00	91	2738427	7.661	ppbv #	15
60) o-Xylene	13.70	91	2965321	8.315	ppbv	99
61) Styrene	13.54	104	2146219	9.739	ppbv	99
62) Isopropylbenzene	14.68	105	4415649	8.353	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2106367	7.068	ppbv	98
64) n-propylbenzene	15.57	120	1149642	8.419	ppbv	100
65) tert-Butylbenzene	16.76	119	3902449	8.220	ppbv	99
66) Benzyl Chloride	17.01	91	1540058	9.105	ppbv	100
67) sec-Butylbenzene	17.31	105	5516784	7.971	ppbv	99
69) p-Isopropyltoluene	17.67	119	4579458	8.442	ppbv	99
70) n-Butylbenzene	18.57	91	4719954	8.206	ppbv	99
71) 2-Chlorotoluene	15.46	91	3379345	8.449	ppbv	99
72) 4-Ethyltoluene	15.85	105	3498440	8.706	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3265255	8.427	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3401577	7.944	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	1938196	7.147	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1929090	7.654	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1848473	7.571	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1402901	7.271	ppbv	100
79) Naphthalene	22.22	128	2905483	10.486	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1153877	17.629	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1610259	9.173	ppbv	99

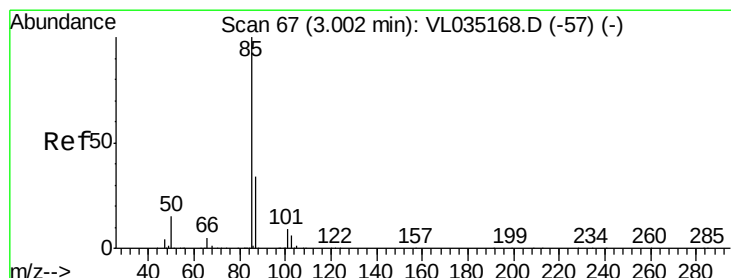
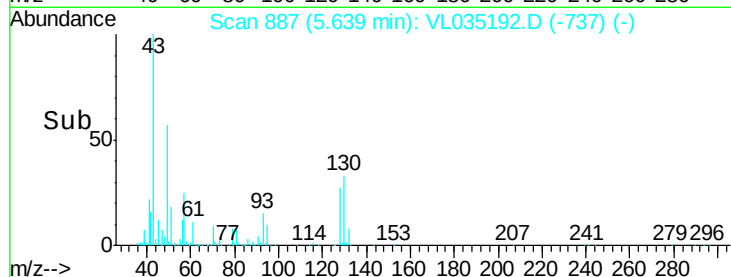
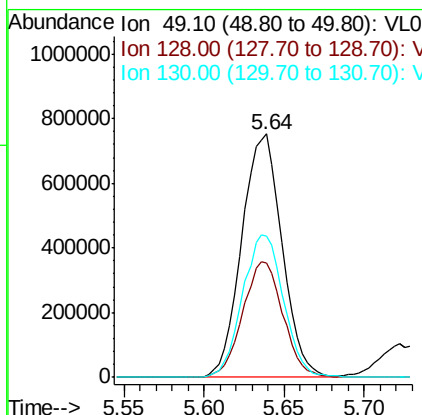
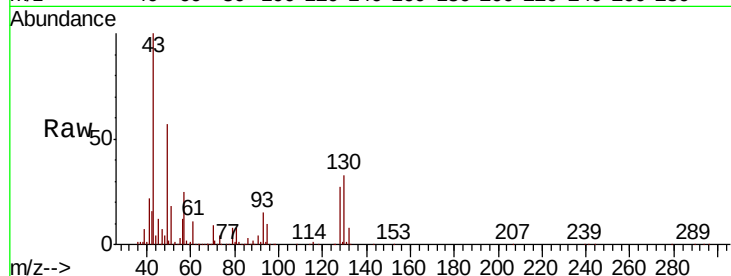
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

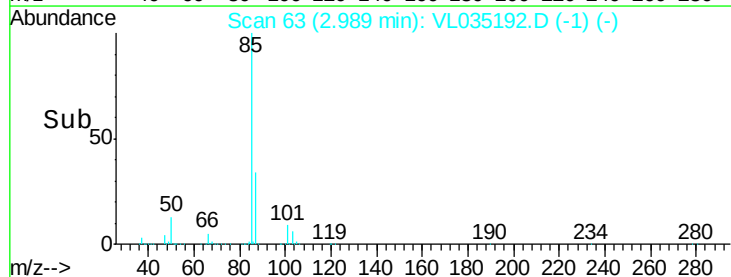
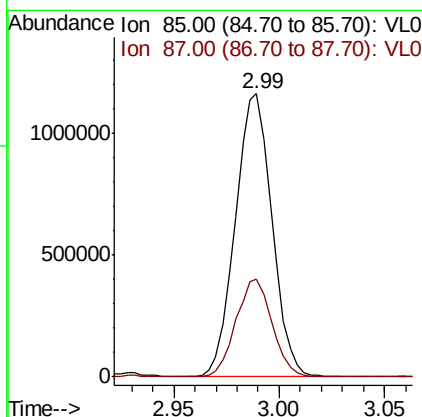
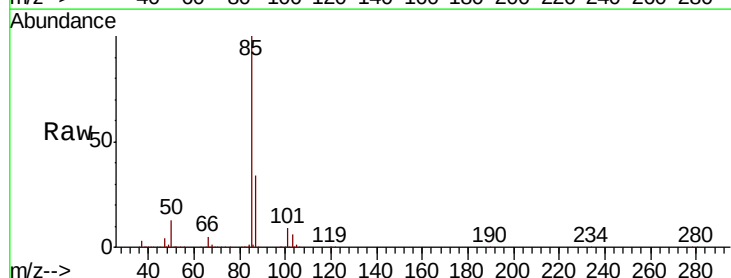
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

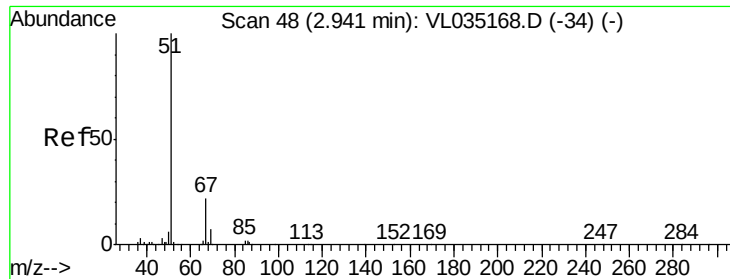
Tot Ion: 49 Resp: 1298993
 Ion Ratio Lower Upper
 49 100
 128 47.6 23.8 71.4
 130 59.9 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 7.679 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.01 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion: 85 Resp: 1397989
 Ion Ratio Lower Upper
 85 100
 87 34.5 27.0 40.6

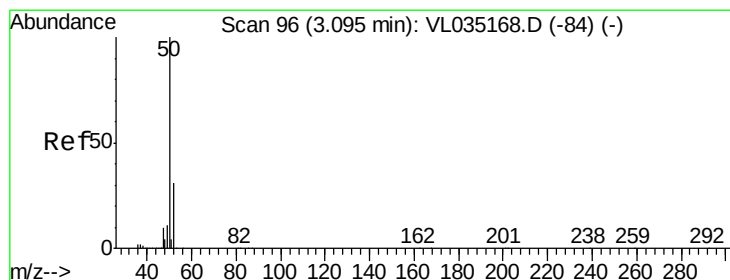
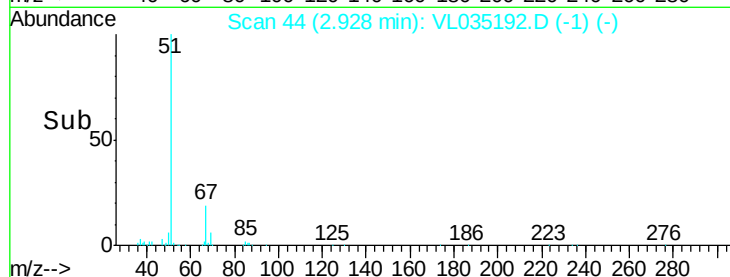
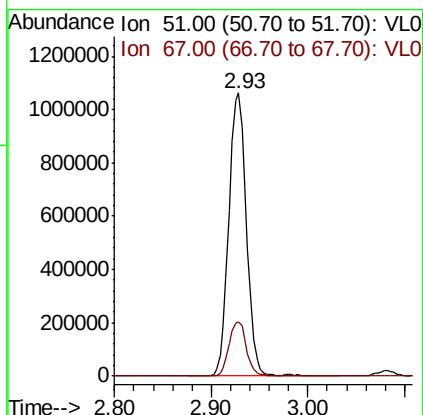
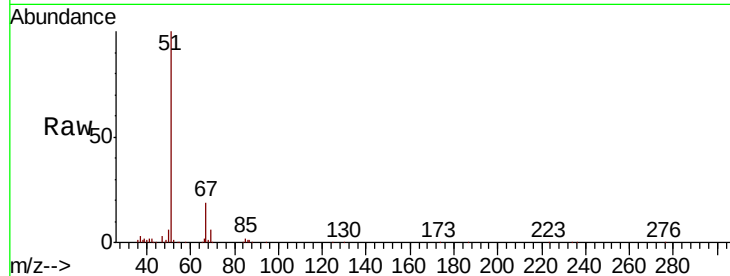




#3
Chlorodifluoromethane
Concen: 9.358 ppbv
RT: 2.93 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

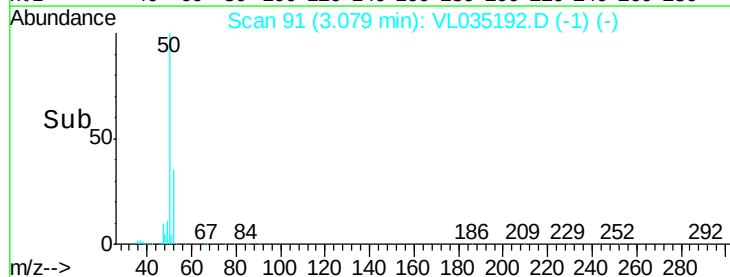
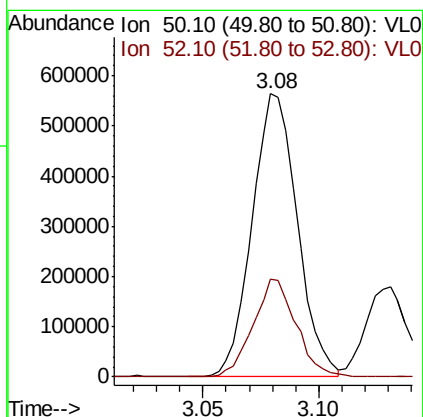
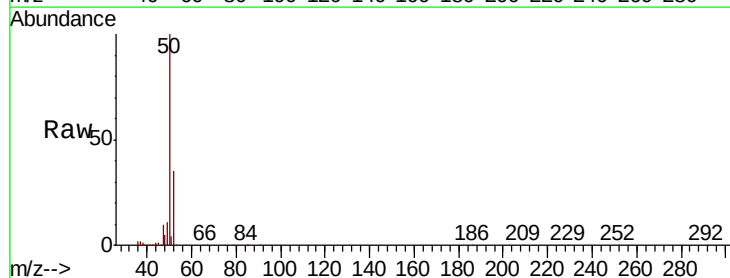
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

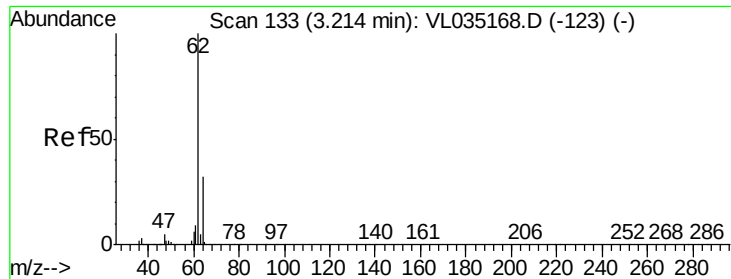
Tot Ion: 51 Resp: 1342713
Ion Ratio Lower Upper
51 100
67 19.2 16.6 24.8



#4
Chloromethane
Concen: 9.476 ppbv
RT: 3.08 min Scan# 91
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 50 Resp: 766349
Ion Ratio Lower Upper
50 100
52 34.8 25.0 37.6





#5

Vinyl Chloride

Concen: 8.552 ppbv

RT: 3.20 min Scan# 128

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

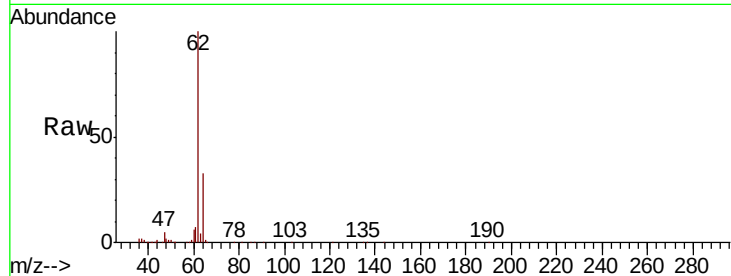
VL0716ABS01

Tot Ion: 62 Resp: 739075

Ion Ratio Lower Upper

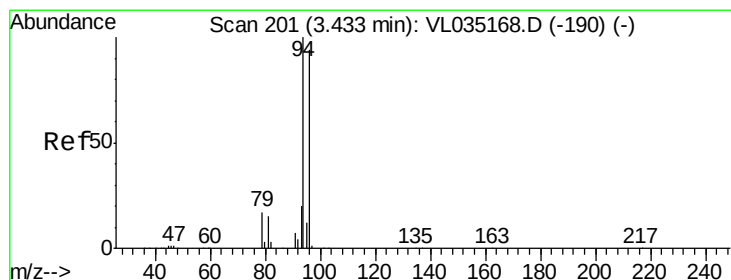
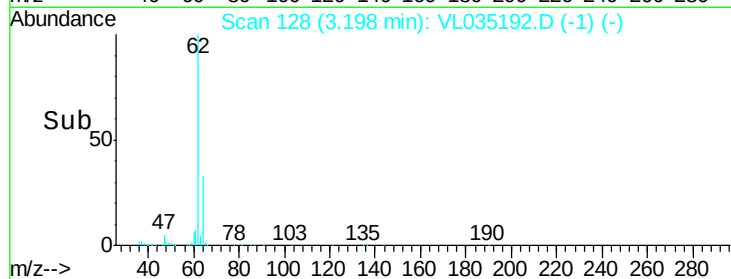
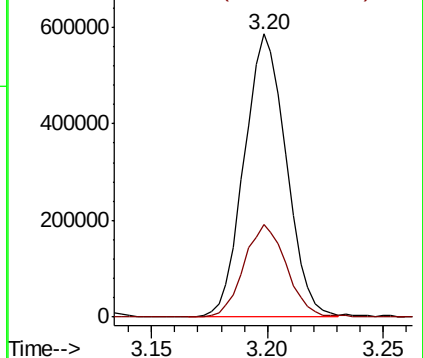
62 100

64 32.6 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.427 ppbv

RT: 3.42 min Scan# 196

Delta R.T. -0.02 min

Lab File: VL035192.D

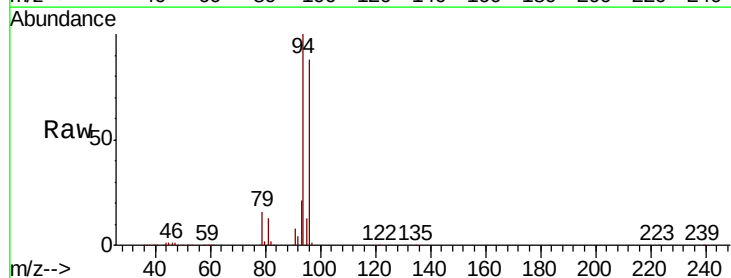
Acq: 16 Jul 2020 13:52

Tgt Ion: 94 Resp: 462332

Ion Ratio Lower Upper

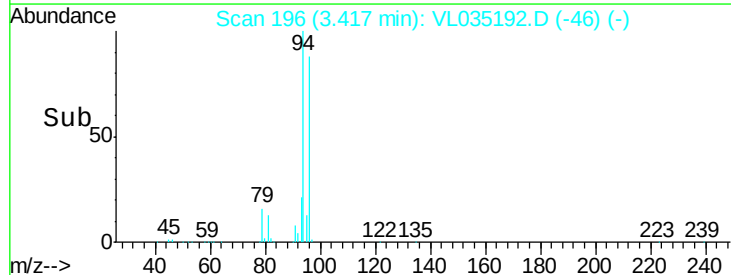
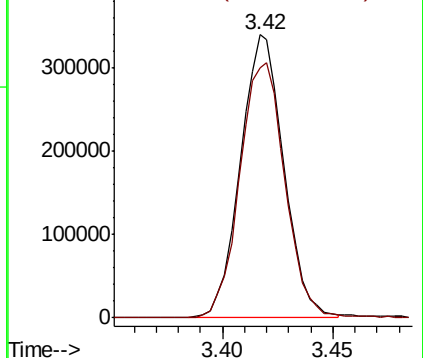
94 100

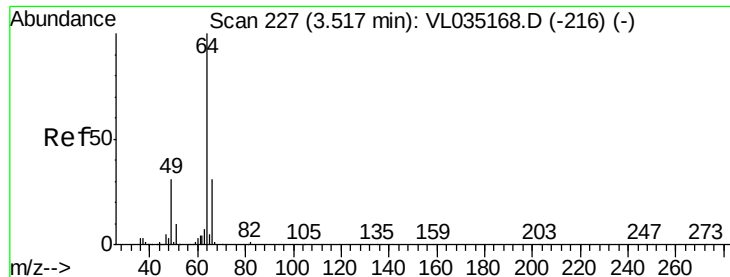
96 88.3 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.144 ppbv

RT: 3.50 min Scan# 223

Delta R.T. -0.01 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

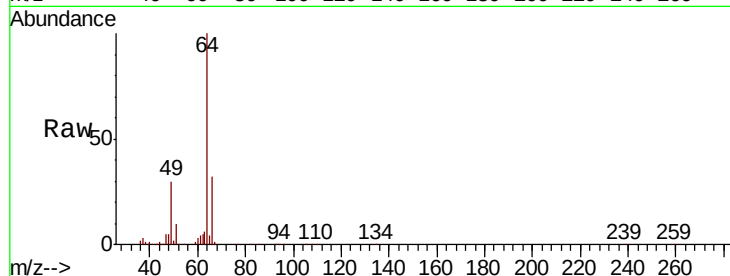
VL0716ABS01

Tot Ion: 64 Resp: 279348

Ion Ratio Lower Upper

64 100

66 32.8 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.50

200000

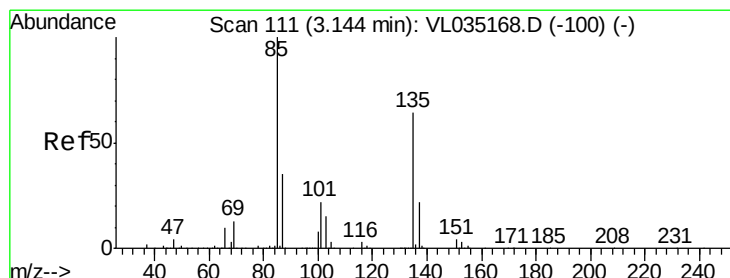
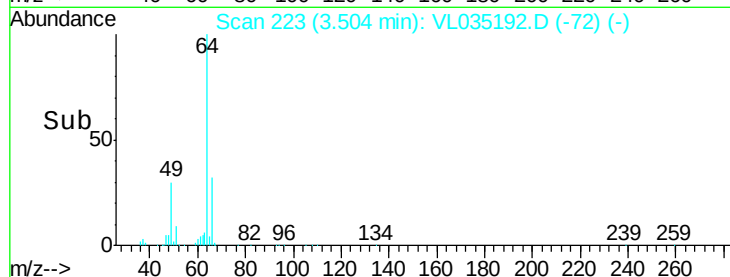
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.579 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035192.D

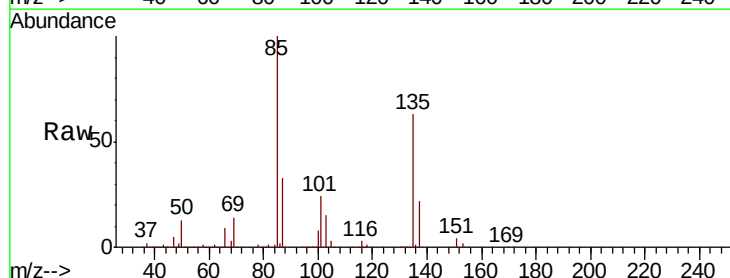
Acq: 16 Jul 2020 13:52

Tgt Ion: 85 Resp: 1711797

Ion Ratio Lower Upper

85 100

135 64.4 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

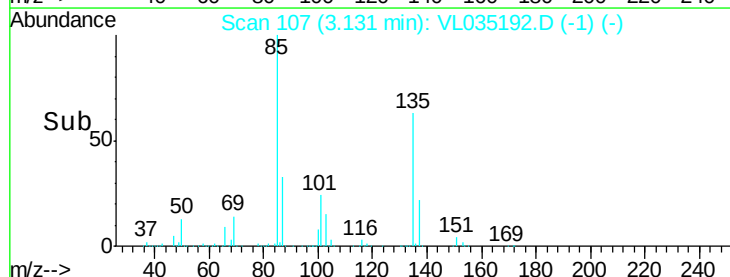
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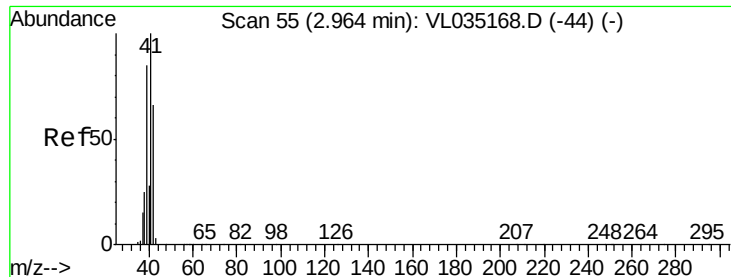
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500000

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Time-->





#9

Propene

Concen: 10.719 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

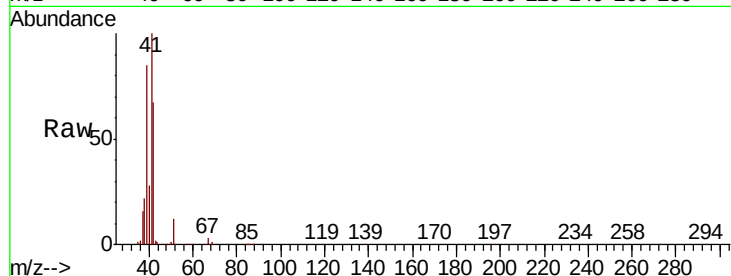
VL0716ABS01

Tot Ion: 41 Resp: 581221

Ion Ratio Lower Upper

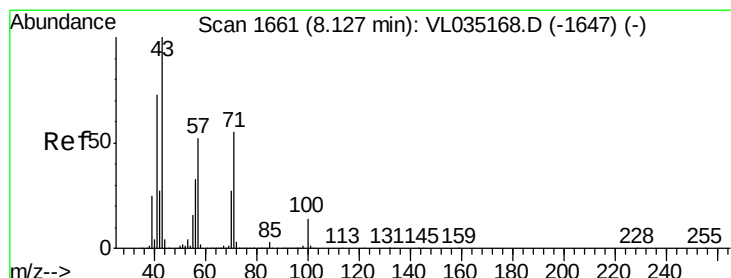
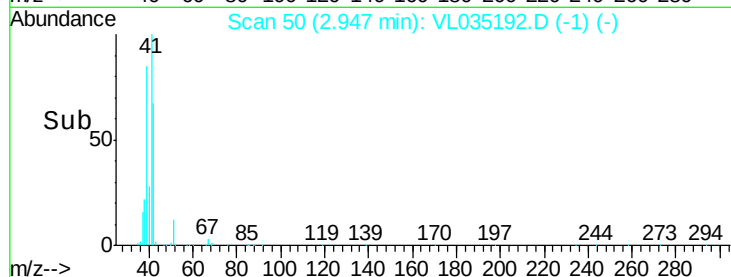
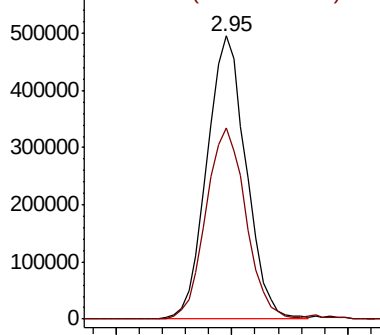
41 100

42 70.0 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.639 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL035192.D

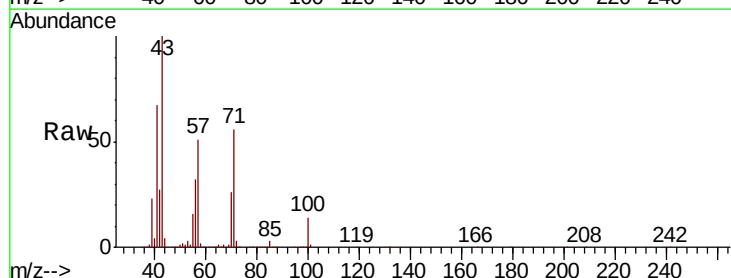
Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 1481007

Ion Ratio Lower Upper

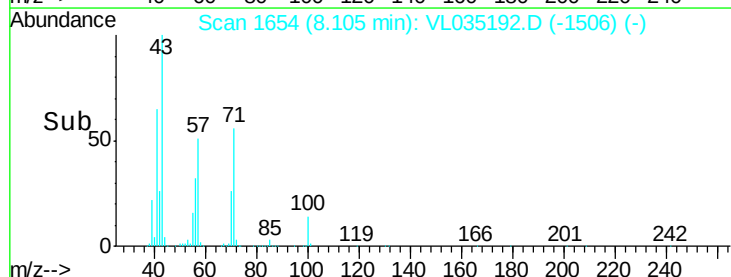
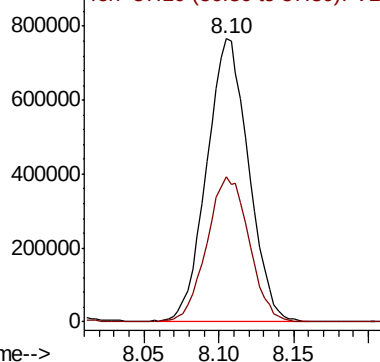
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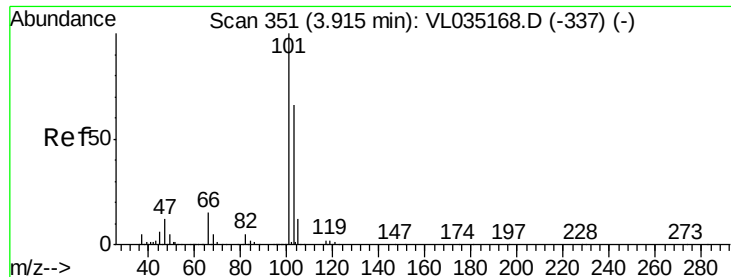
57 52.3 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.511 ppbv

RT: 3.90 min Scan# 346

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

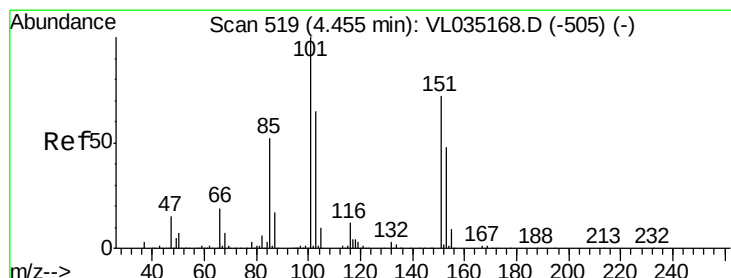
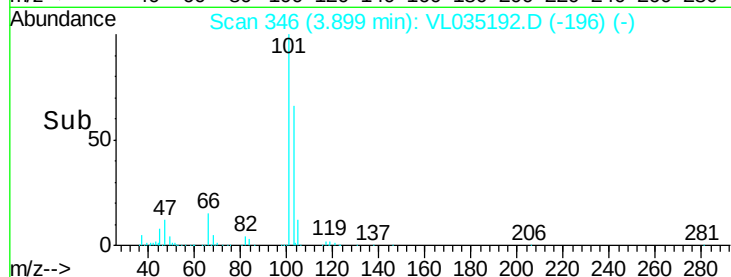
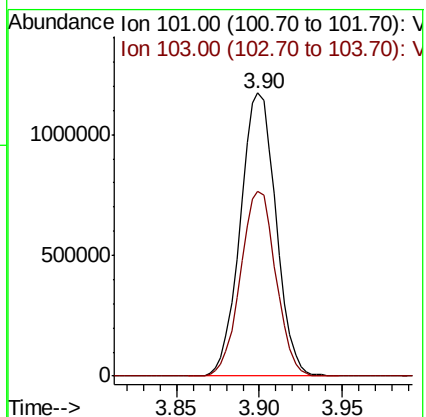
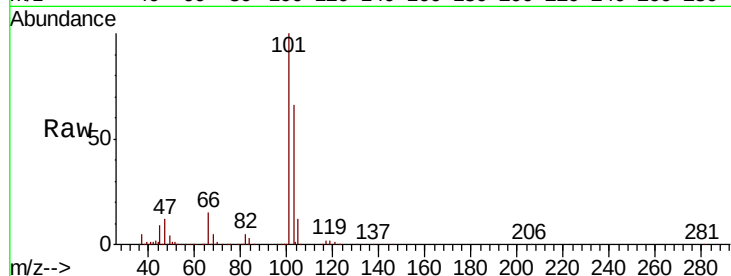
VL0716ABS01

Tot Ion:101 Resp: 1749785

Ion Ratio Lower Upper

101 100

103 65.5 53.1 79.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.436 ppbv

RT: 4.44 min Scan# 514

Delta R.T. -0.02 min

Lab File: VL035192.D

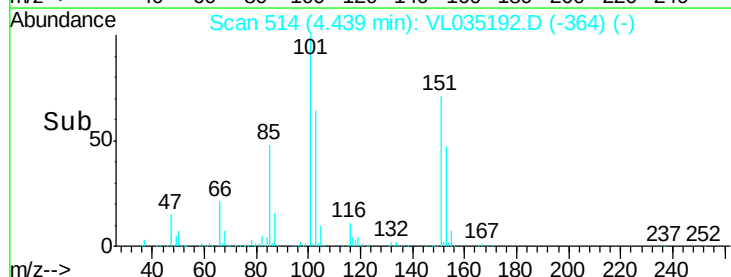
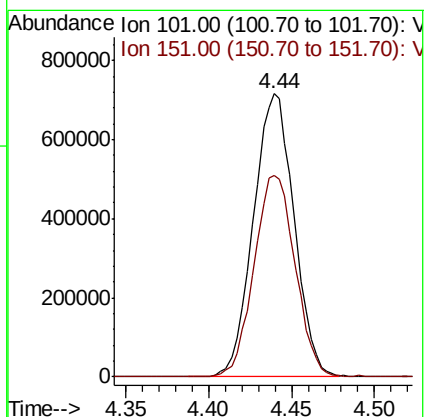
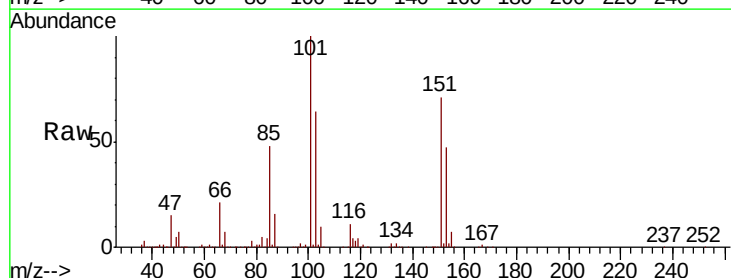
Acq: 16 Jul 2020 13:52

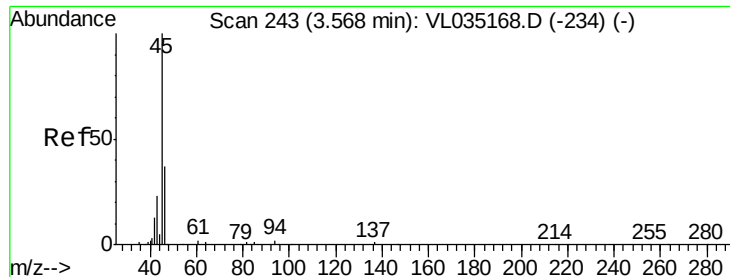
Tgt Ion:101 Resp: 1217923

Ion Ratio Lower Upper

101 100

151 72.2 57.0 85.4

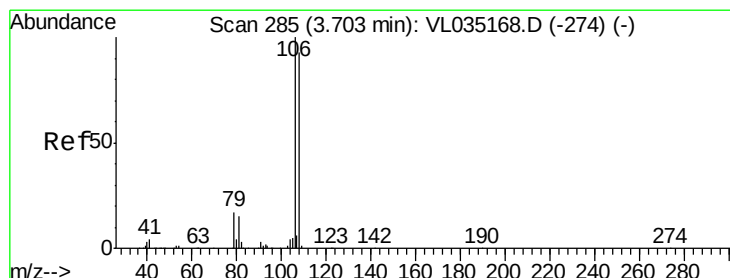
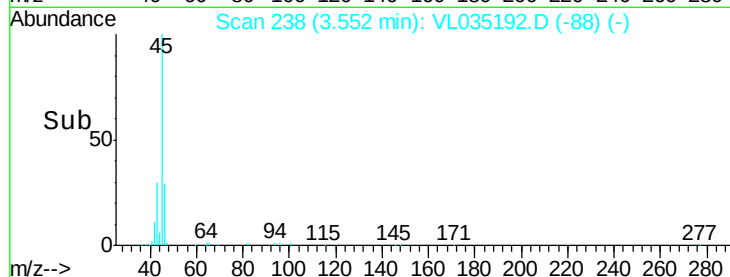
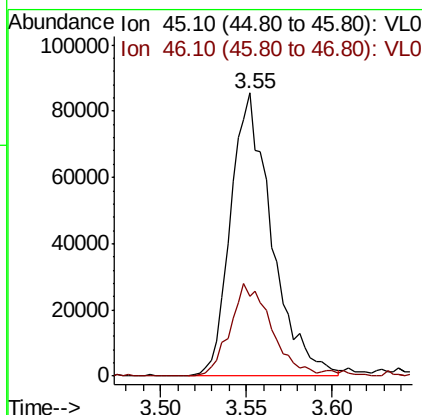
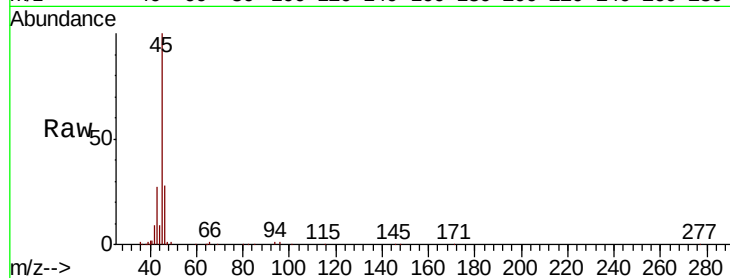




#13
Ethanol
Concen: 8.275 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

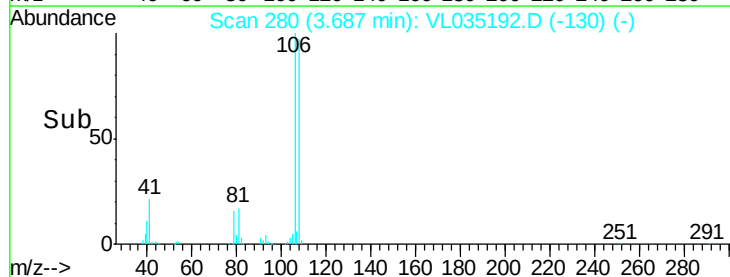
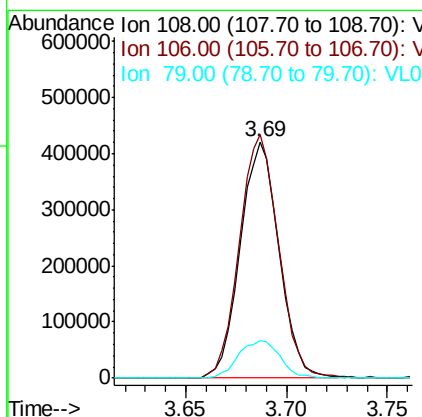
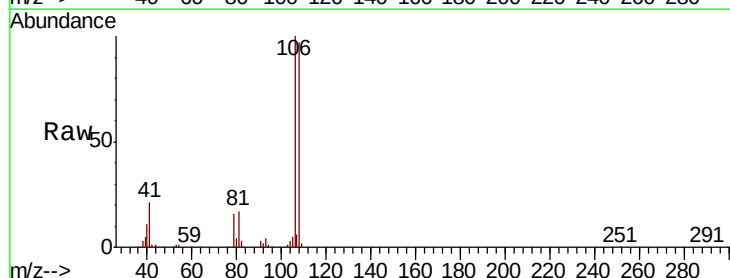
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

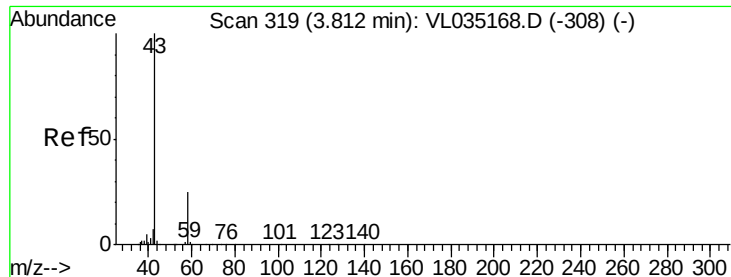
Tot Ion: 45 Resp: 142860
Ion Ratio Lower Upper
45 100
46 33.8 16.2 65.0



#14
Bromoethene
Concen: 9.544 ppbv
RT: 3.69 min Scan# 280
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 108 Resp: 567083
Ion Ratio Lower Upper
108 100
106 105.1 86.2 129.2
79 17.7 15.0 22.6





#15

Acetone

Concen: 7.907 ppbv

RT: 3.80 min Scan# 314

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

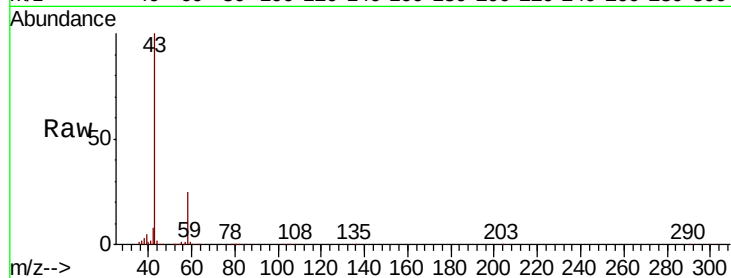
VL0716ABS01

Tot Ion: 43 Resp: 1390559

Ion Ratio Lower Upper

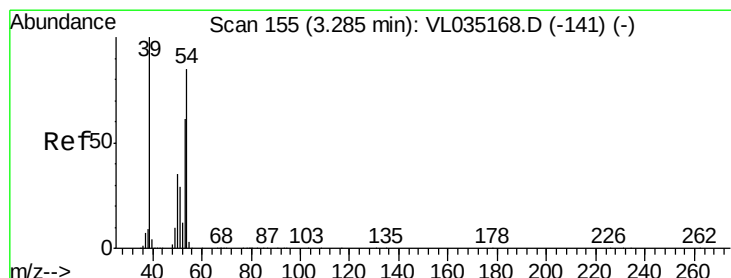
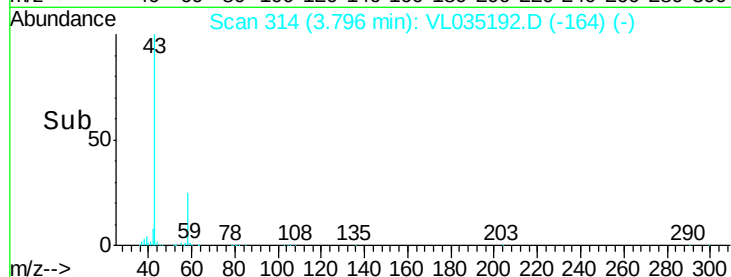
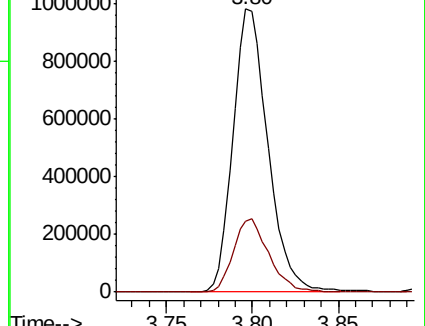
43 100

58 26.3 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.274 ppbv

RT: 3.27 min Scan# 150

Delta R.T. -0.02 min

Lab File: VL035192.D

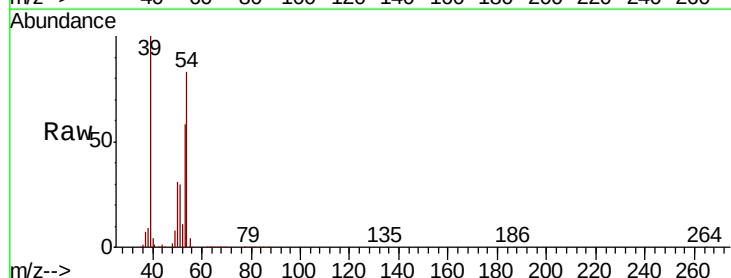
Acq: 16 Jul 2020 13:52

Tgt Ion: 39 Resp: 693534

Ion Ratio Lower Upper

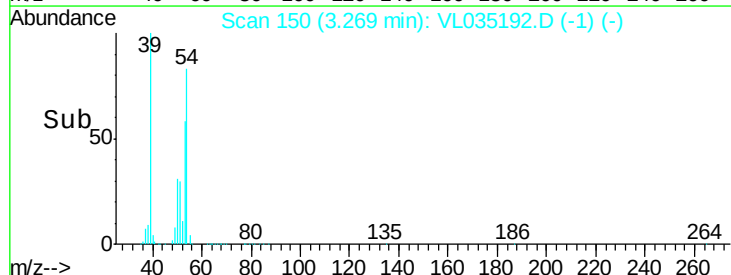
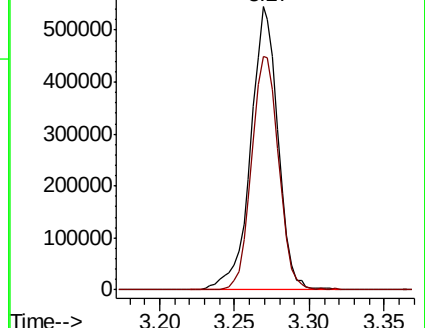
39 100

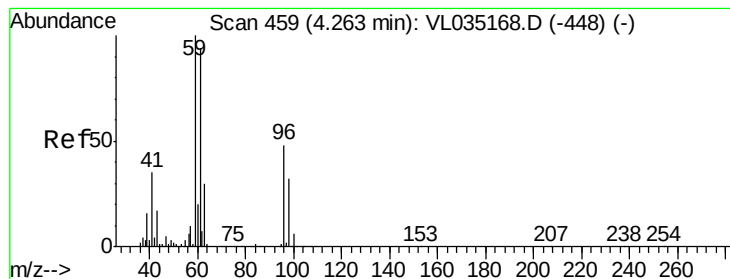
54 81.8 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.016 ppbv

RT: 4.24 min Scan# 453

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

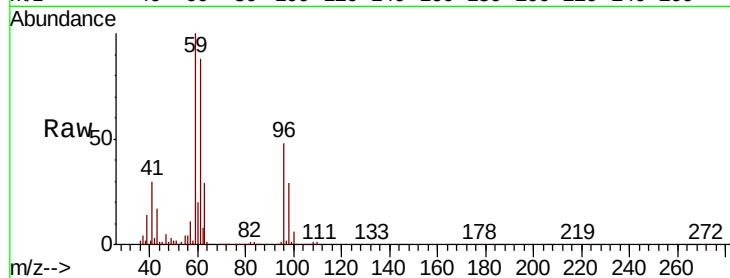
VL0716ABS01

Tot Ion: 59 Resp: 1558520

Ion Ratio Lower Upper

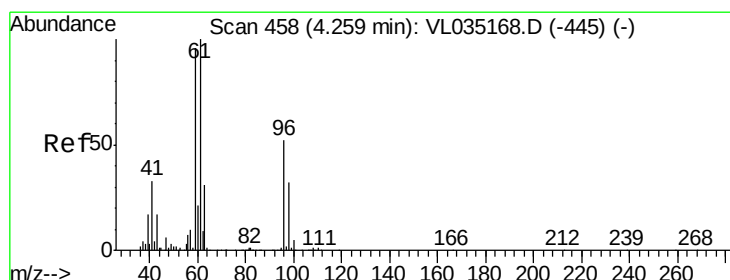
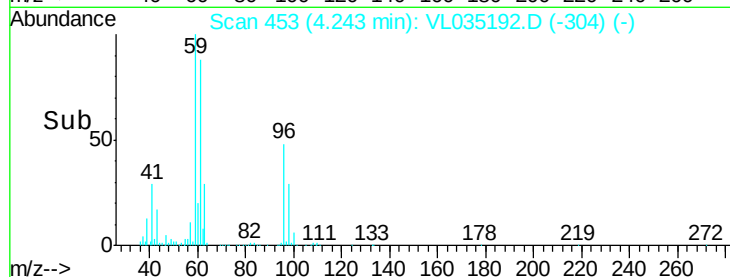
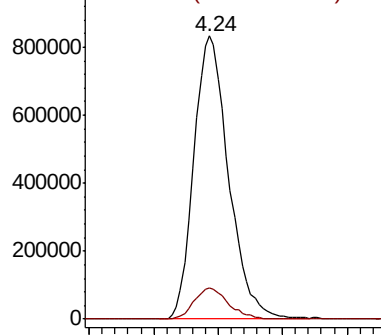
59 100

57 11.0 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.037 ppbv

RT: 4.24 min Scan# 453

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

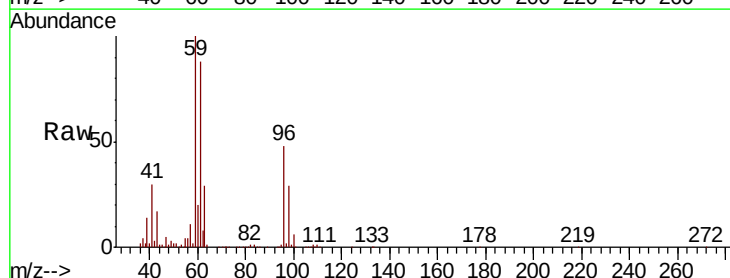
Tgt Ion: 96 Resp: 577673

Ion Ratio Lower Upper

96 100

61 183.4 152.9 229.3

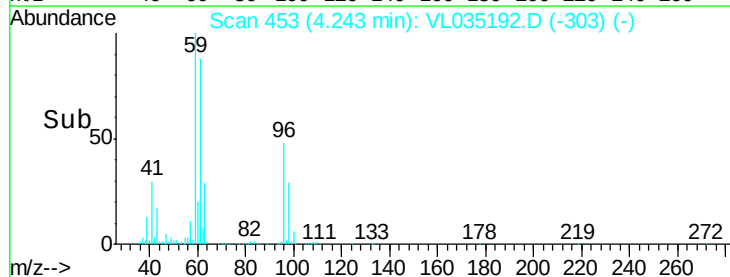
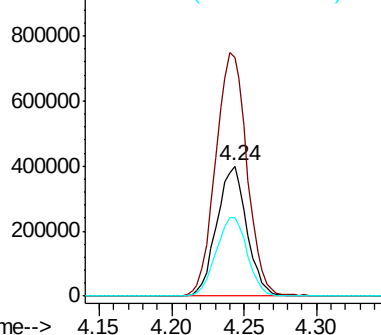
98 60.3 48.7 73.1

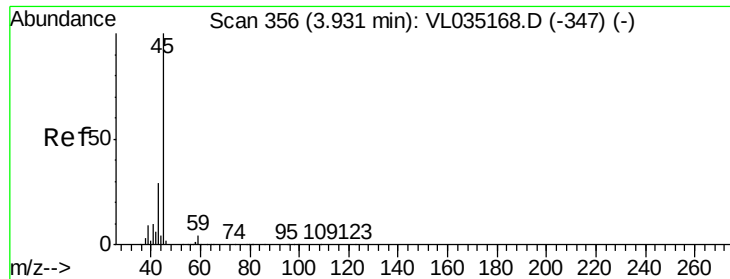


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.819 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

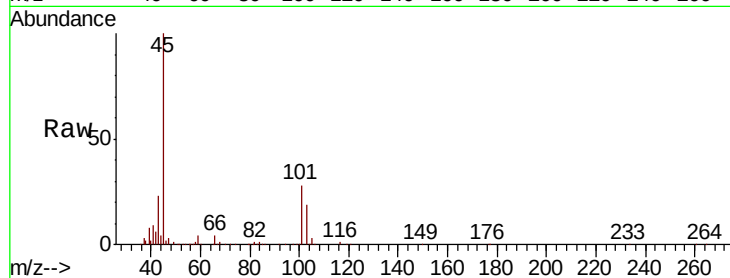
VL0716ABS01

Tot Ion: 45 Resp: 1041719

Ion Ratio Lower Upper

45 100

58 2.1 2.1 3.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

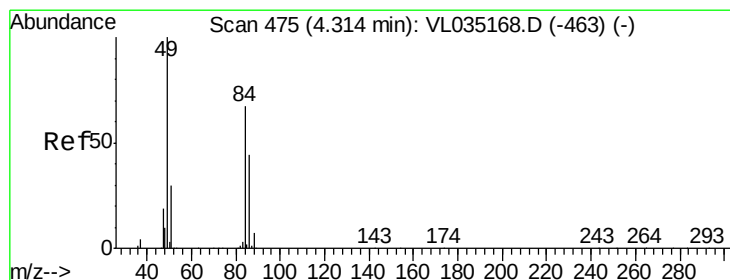
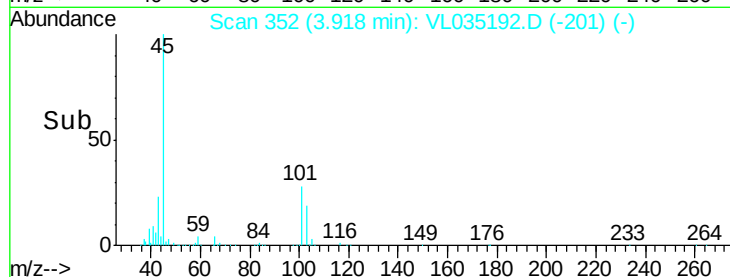
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.111 ppbv

RT: 4.30 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Tgt Ion: 84 Resp: 544131

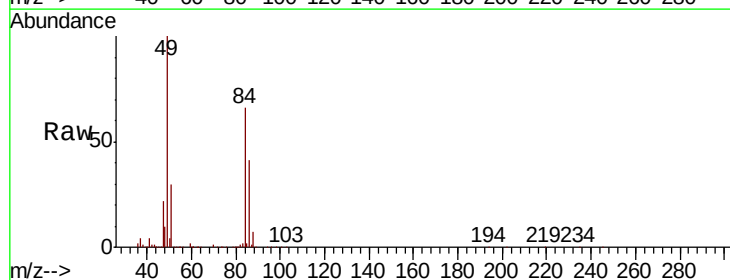
Ion Ratio Lower Upper

84 100

49 150.6 119.4 179.0

51 45.8 36.6 55.0

86 62.4 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

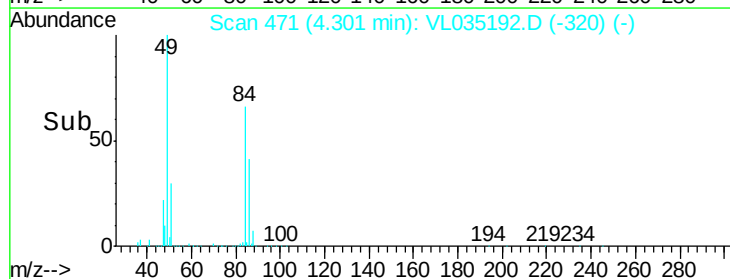
600000

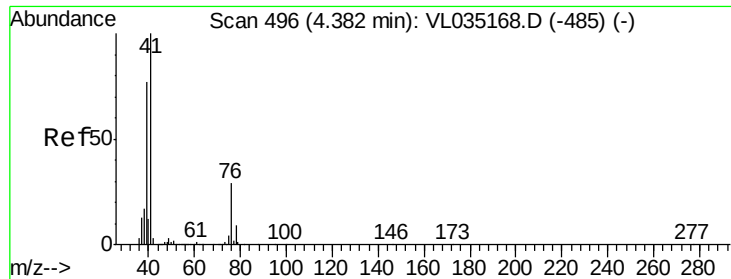
400000

200000

0

Time-->

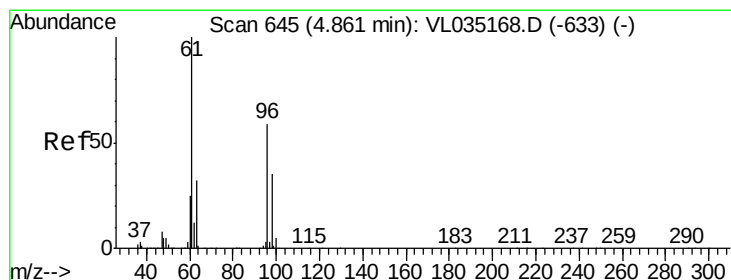
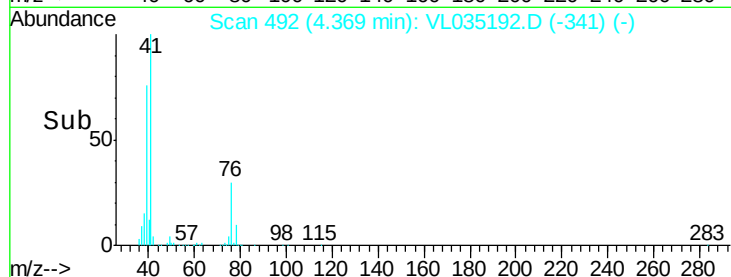
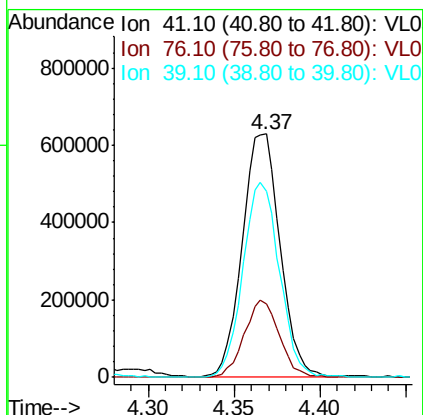
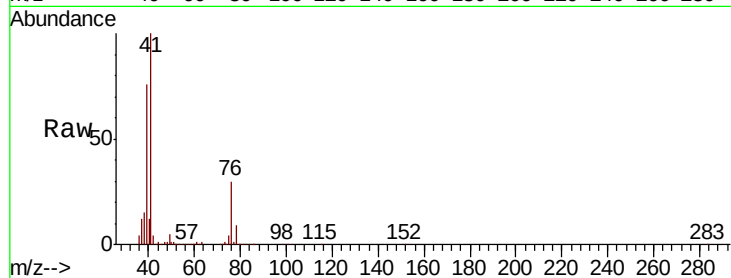




#21
Allvl Chloride
Concen: 9.345 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.01 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

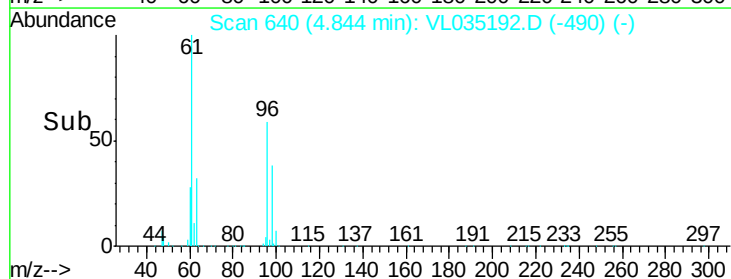
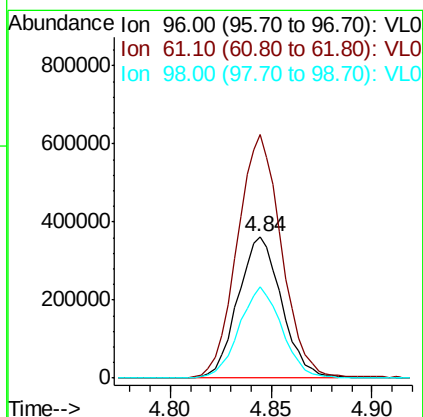
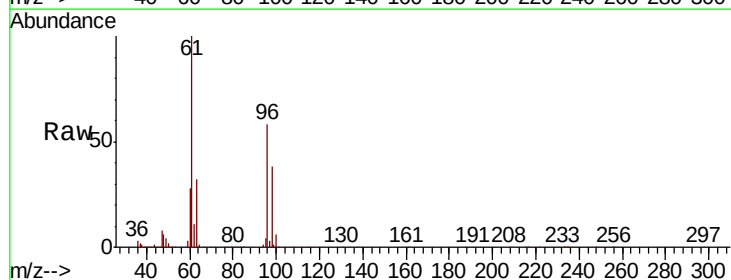
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

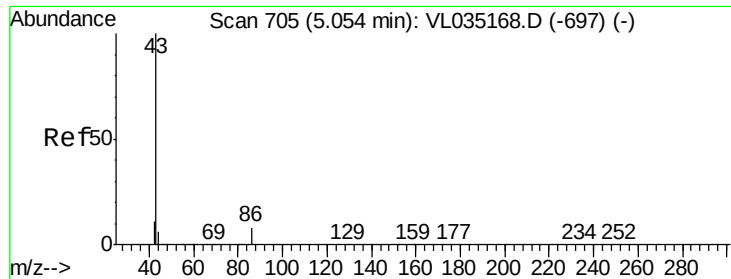
Tot Ion: 41 Resp: 956582
Ion Ratio Lower Upper
41 100
76 29.7 23.5 35.3
39 77.6 63.4 95.0



#22
trans-1,2-Dichloroethene
Concen: 8.627 ppbv
RT: 4.84 min Scan# 640
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 96 Resp: 550602
Ion Ratio Lower Upper
96 100
61 172.0 136.5 204.7
98 64.7 47.5 71.3





#23

Vinyl Acetate

Concen: 10.703 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

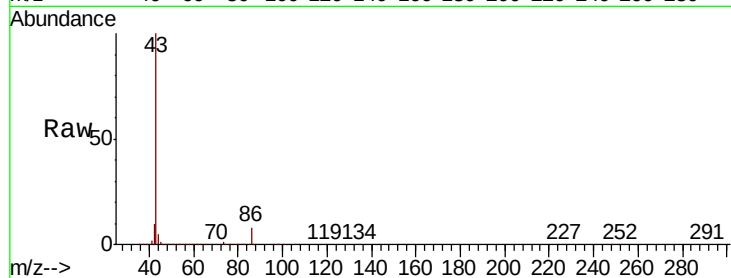
MSVOA_L

ClientSampleId :

VL0716ABS01

Tot Ion: 43 Resp: 2037431

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.8	9.1	13.7
44	5.2	4.6	6.8

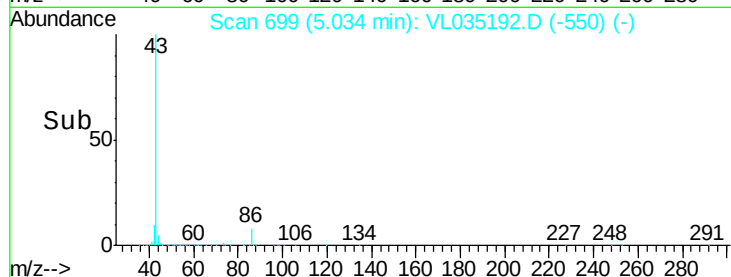


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->

5.03

1500000

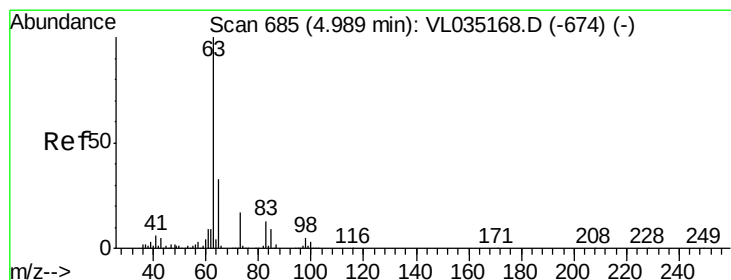
1000000

500000

0

5.00 5.05 5.10

Time-->



#24

1,1-Dichloroethane

Concen: 9.250 ppbv

RT: 4.97 min Scan# 679

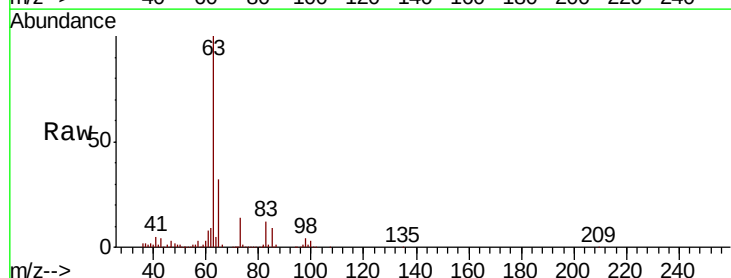
Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Tgt Ion: 63 Resp: 1512211

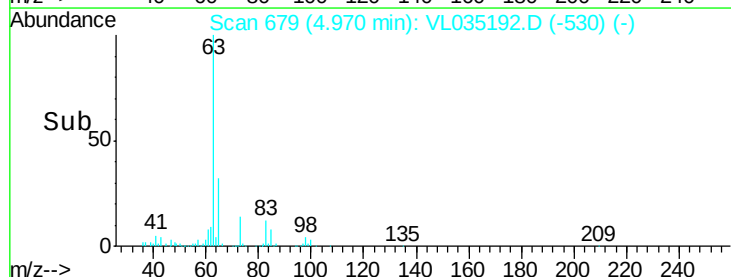
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.4	7.1
100	2.8	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

4.97

1200000

1000000

800000

600000

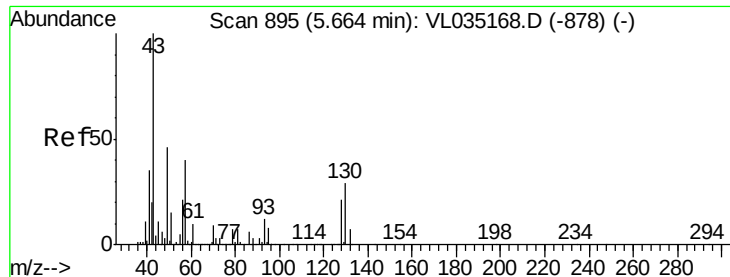
400000

200000

0

4.90 4.95 5.00

Time-->

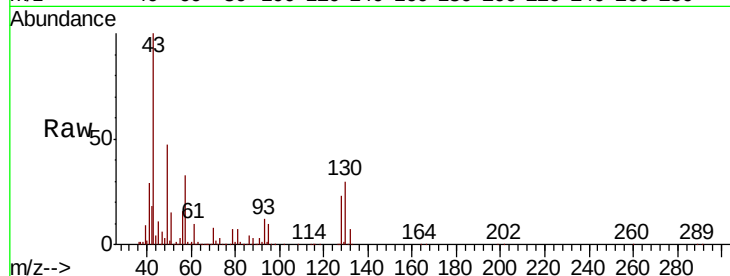


#25
Ethyl Acetate
Concen: 9.918 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

Tot Ion: 43 Resp: 2706892

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.5	12.7
61	9.7	8.1	12.1
70	7.6	6.3	9.5



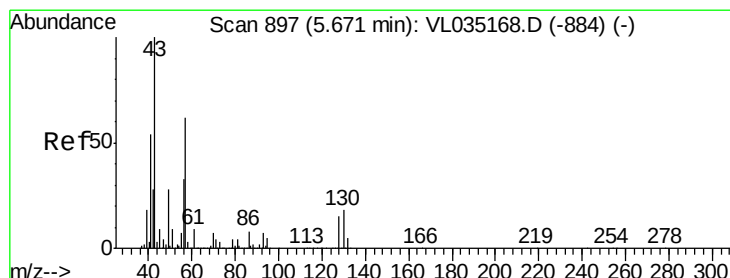
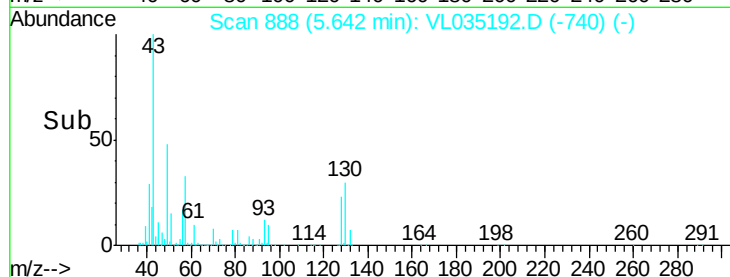
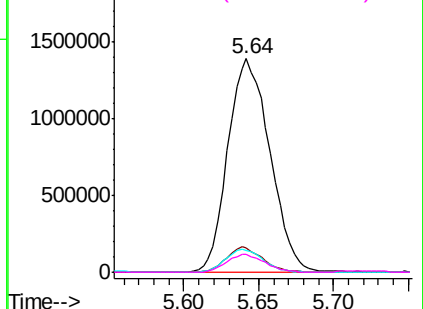
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

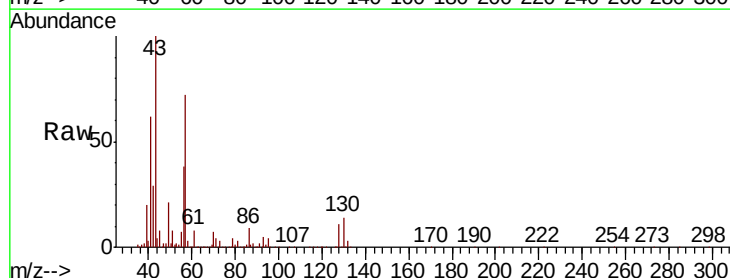
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.892 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 57 Resp: 1190367

Ion	Ratio	Lower	Upper
57	100		
41	90.4	72.9	109.3
43	228.2	179.5	269.3
56	52.8	42.9	64.3



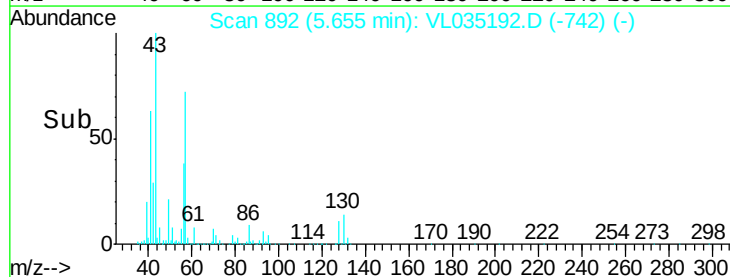
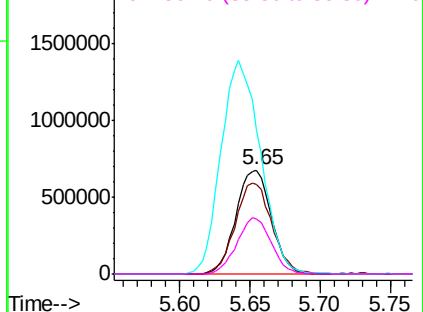
Abundance

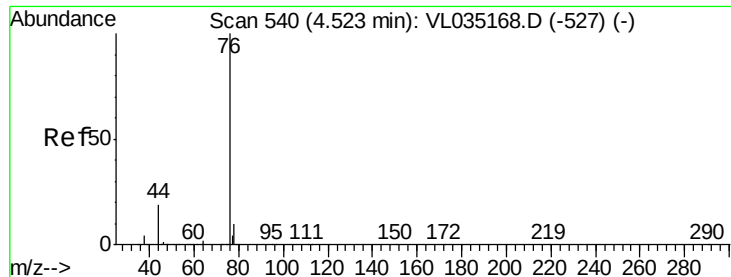
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.053 ppbv

RT: 4.50 min Scan# 534

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

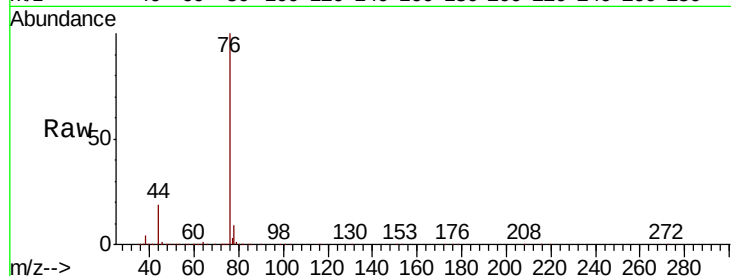
Tot Ion: 76 Resp: 1521123

Ion Ratio Lower Upper

76 100

44 18.6 14.9 22.3

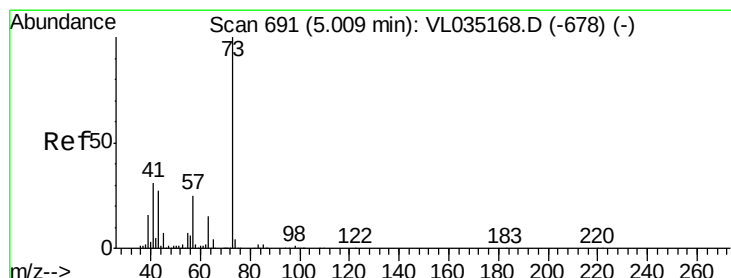
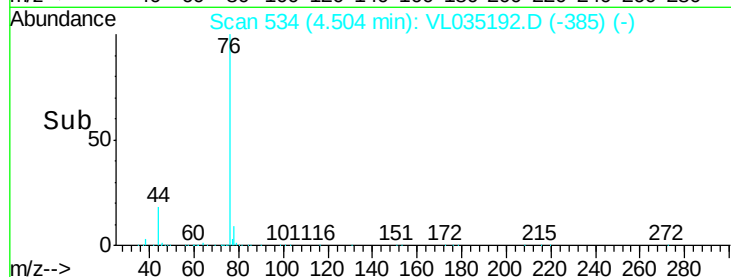
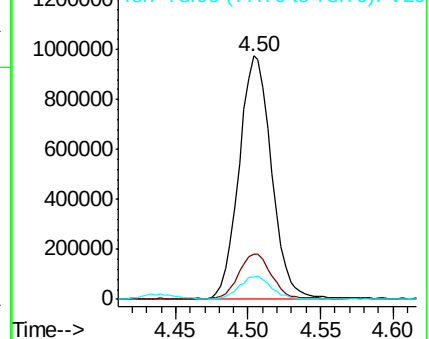
78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.361 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL035192.D

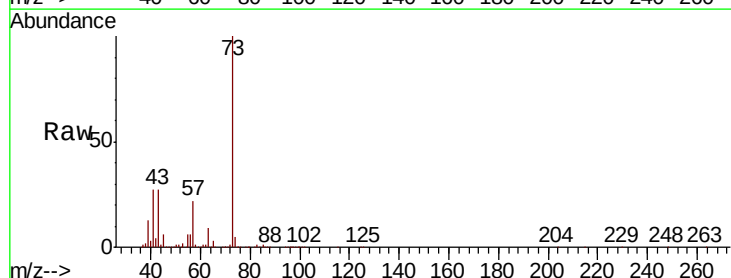
Acq: 16 Jul 2020 13:52

Tgt Ion: 73 Resp: 1899504

Ion Ratio Lower Upper

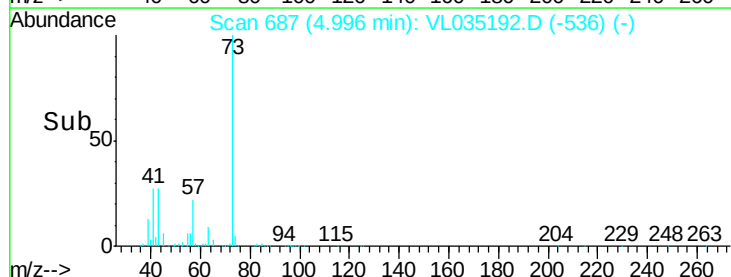
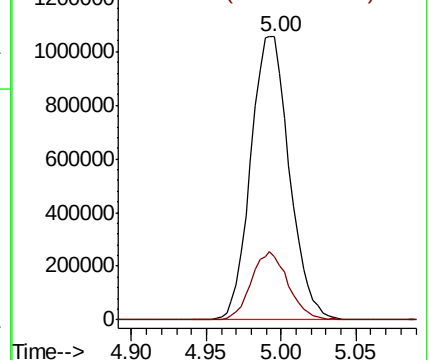
73 100

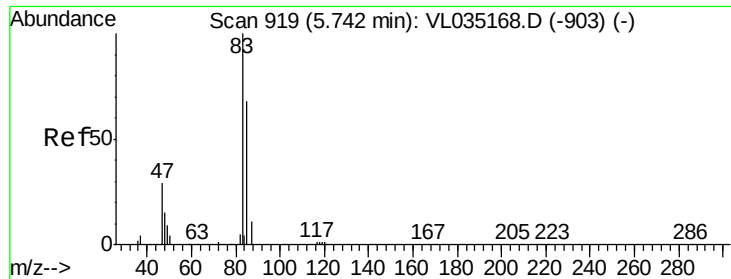
57 23.1 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

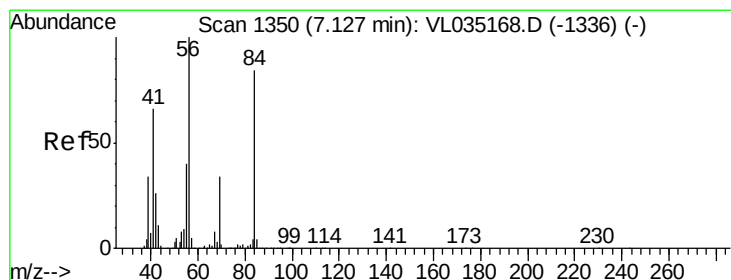
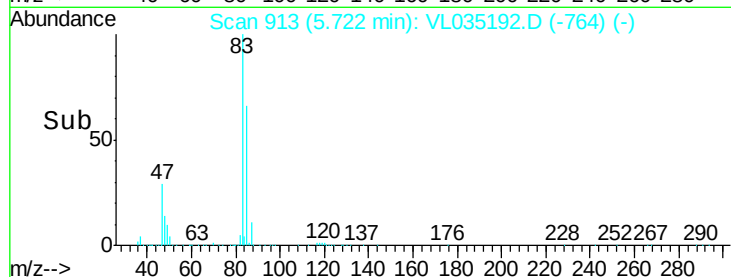
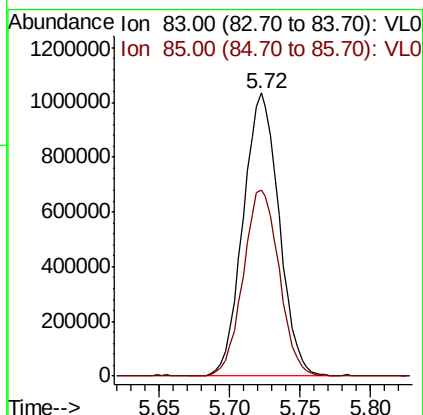
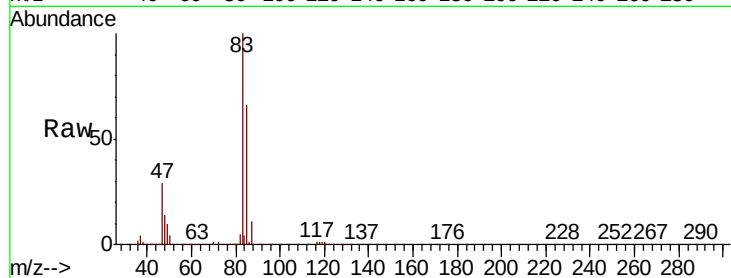




#29
Chloroform
Concen: 9.163 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

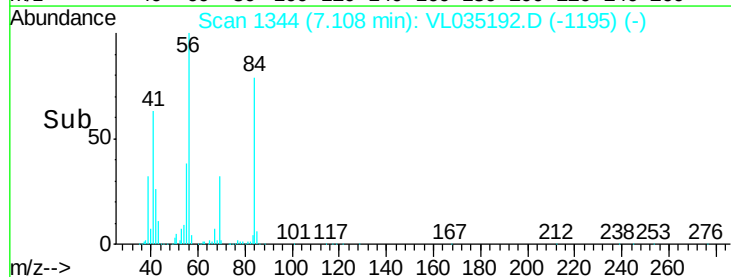
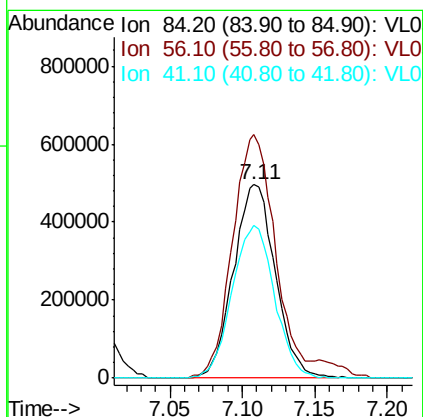
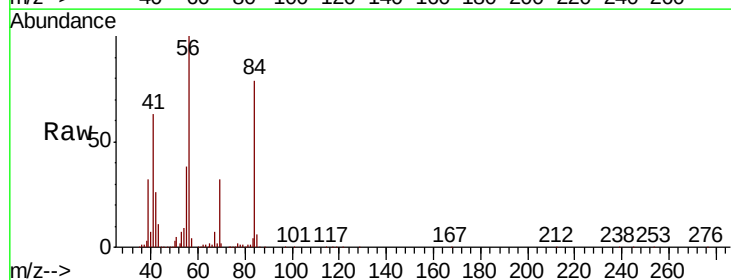
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

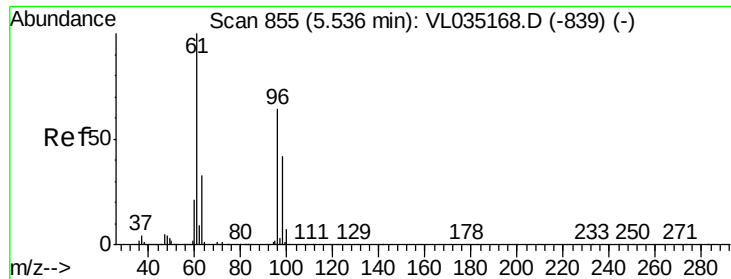
Tot Ion: 83 Resp: 1848571
Ion Ratio Lower Upper
83 100
85 65.6 54.3 81.5



#30
Cyclohexane
Concen: 11.200 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 84 Resp: 997227
Ion Ratio Lower Upper
84 100
56 134.1 105.6 158.4
41 79.9 64.9 97.3





#31

cis-1,2-Dichloroethene

Concen: 10.694 ppbv

RT: 5.52 min Scan# 849

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

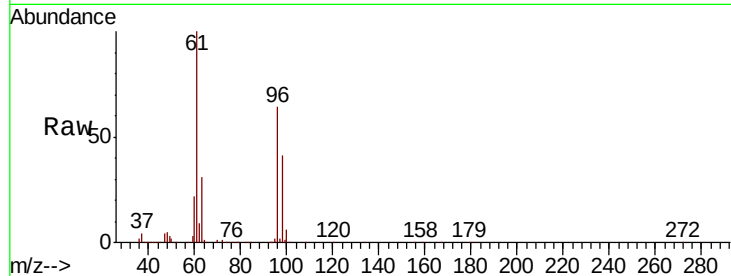
Tot Ion: 61 Resp: 1217197

Ion Ratio Lower Upper

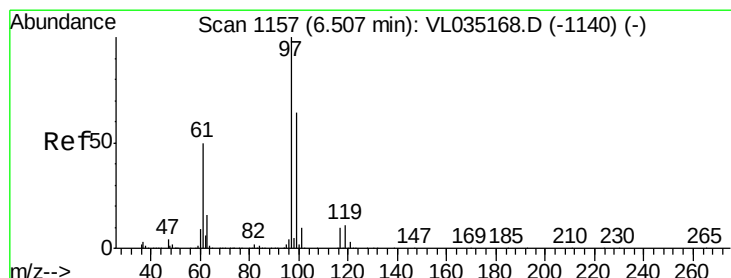
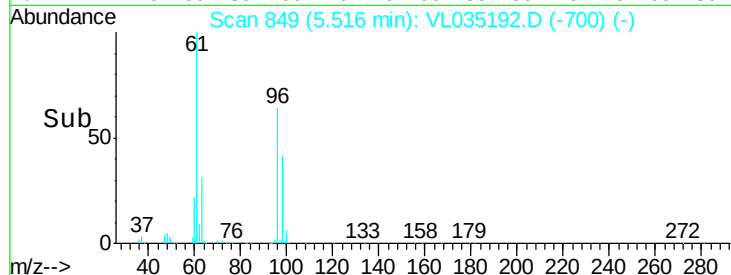
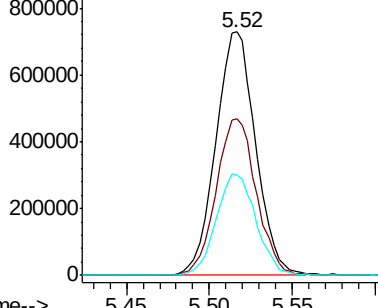
61 100

96 64.2 51.3 76.9

98 41.0 33.8 50.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.126 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

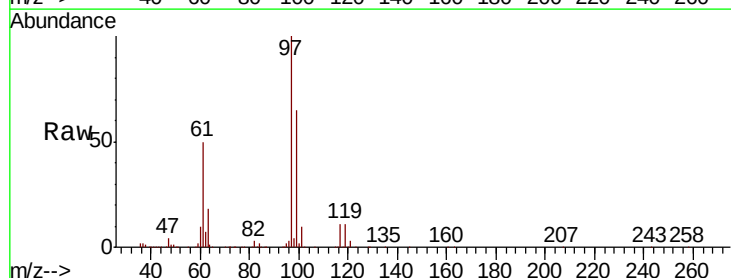
Tgt Ion: 97 Resp: 1845164

Ion Ratio Lower Upper

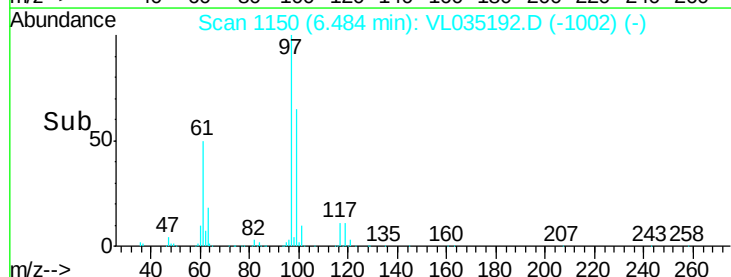
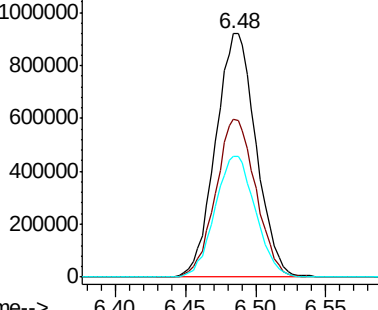
97 100

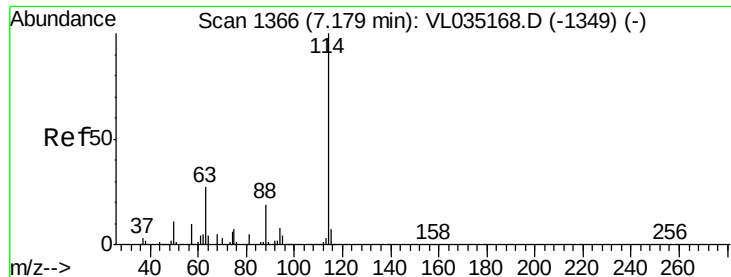
99 64.4 51.2 76.8

61 49.9 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



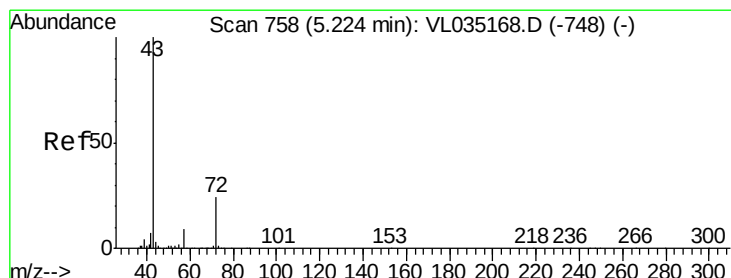
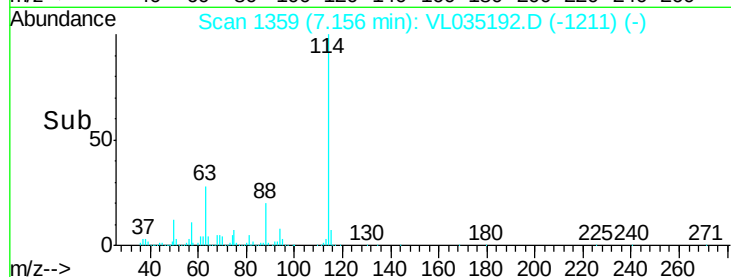
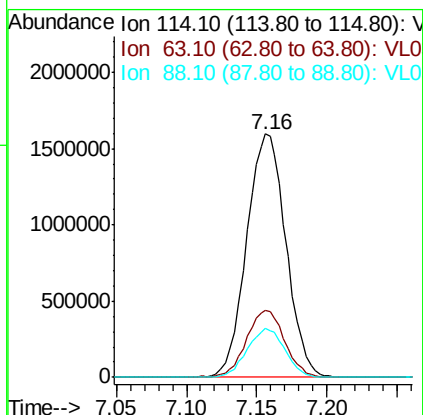
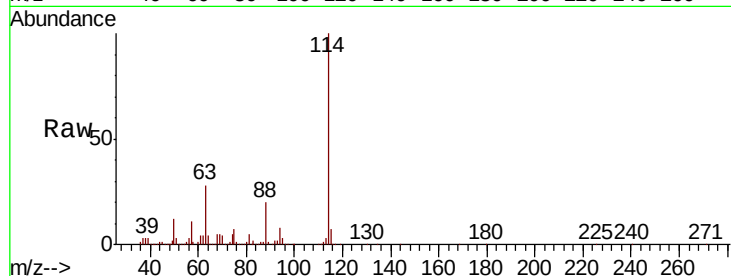


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

Tot Ion:114 Resp: 3101807

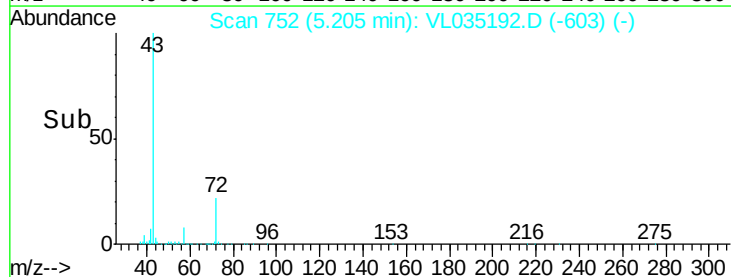
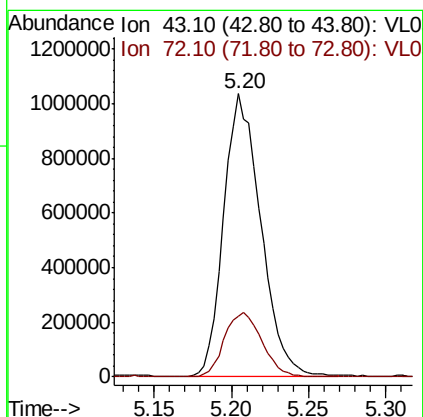
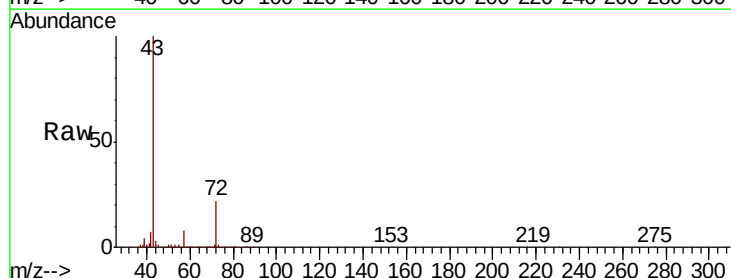
Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.0	33.0
88	19.4	15.4	23.0

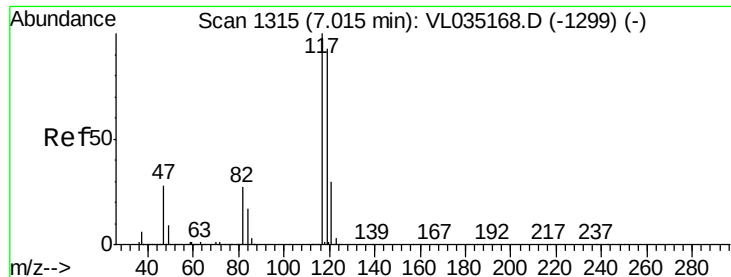


#34
 2-Butanone
 Concen: 10.341 ppbv
 RT: 5.20 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 1712106

Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.6	28.0





#35

Carbon Tetrachloride

Concen: 9.273 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

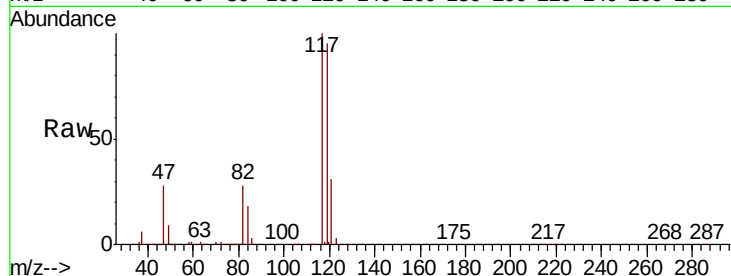
Tot Ion:117 Resp: 1867170

Ion Ratio Lower Upper

117 100

119 95.2 74.8 112.2

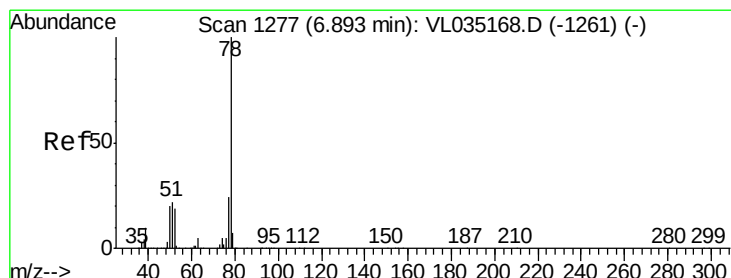
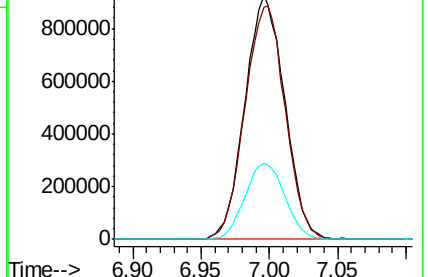
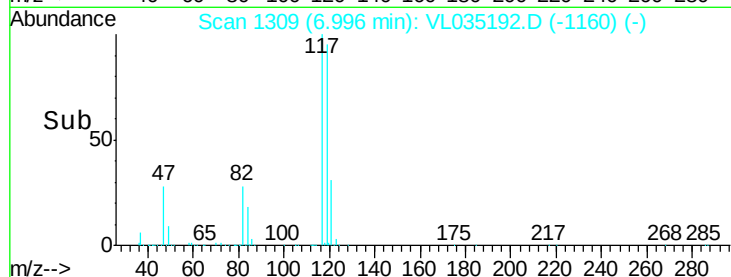
121 31.0 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.553 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

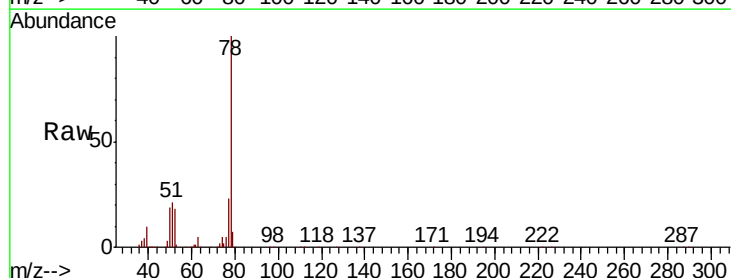
Tgt Ion: 78 Resp: 2368986

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

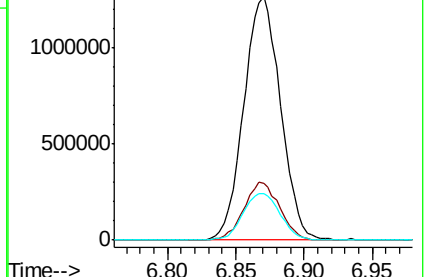
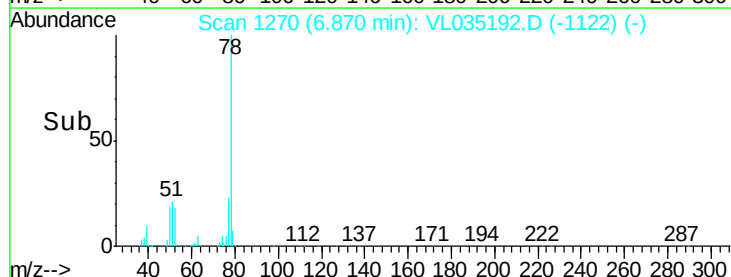
50 19.1 16.0 24.0

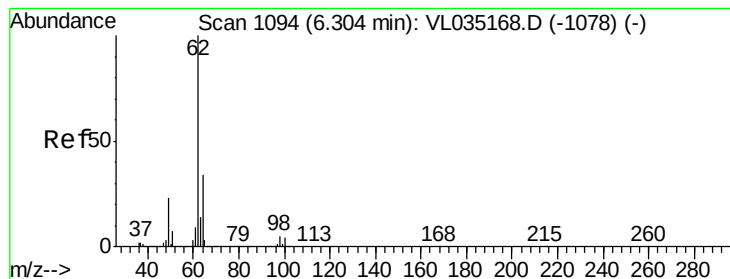


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.568 ppbv

RT: 6.28 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

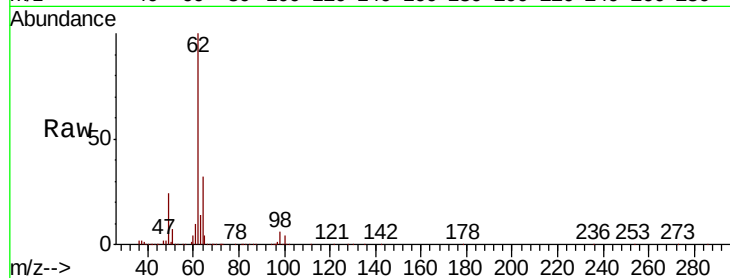
VL0716ABS01

Tot Ion: 62 Resp: 1441579

Ion Ratio Lower Upper

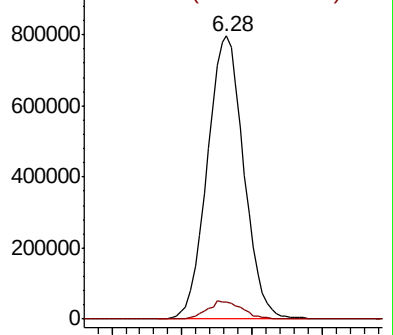
62 100

98 6.1 4.6 6.8

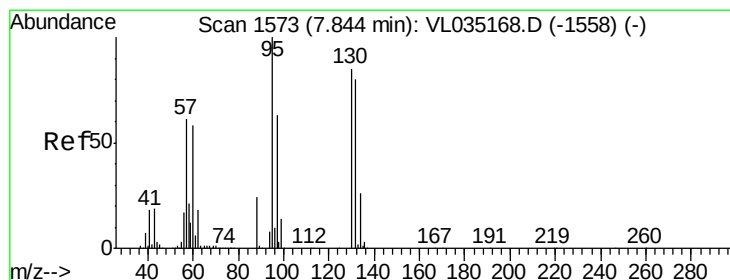
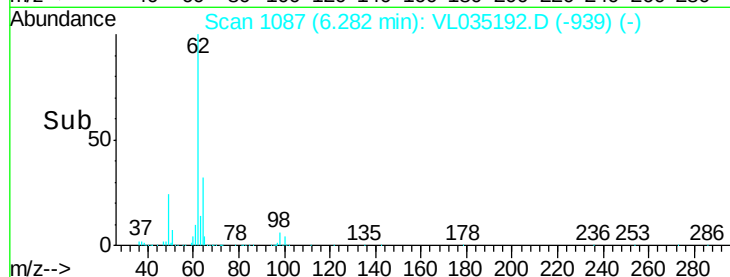


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time-->



#38

Trichloroethene

Concen: 10.083 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Tgt Ion:130 Resp: 922322

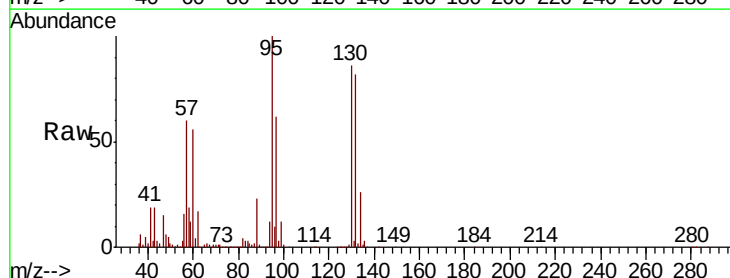
Ion Ratio Lower Upper

130 100

95 116.8 93.8 140.8

132 95.9 75.0 112.4

97 72.3 59.5 89.3

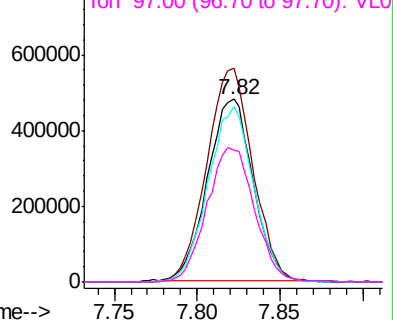


Abundance Ion 130.00 (129.70 to 130.70): V

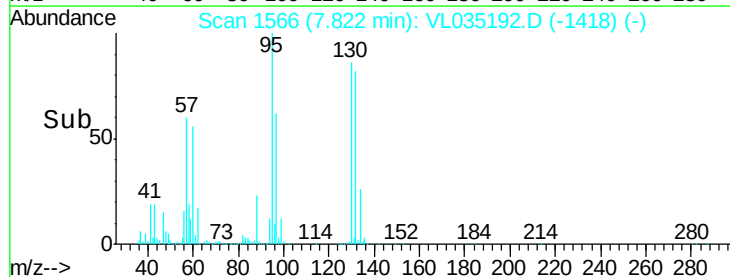
Ion 95.00 (94.70 to 95.70): VL0

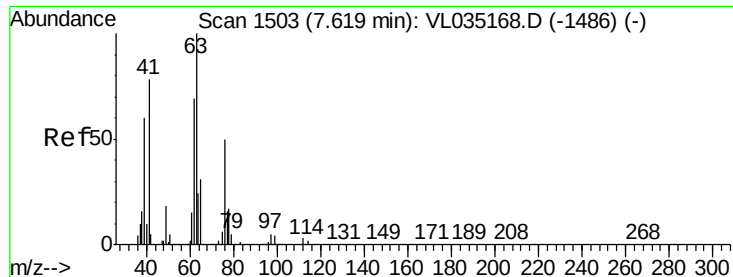
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



Time-->

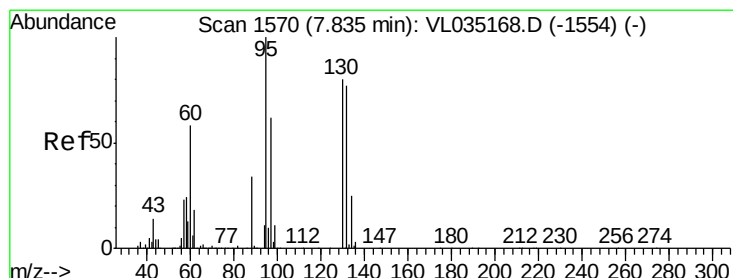
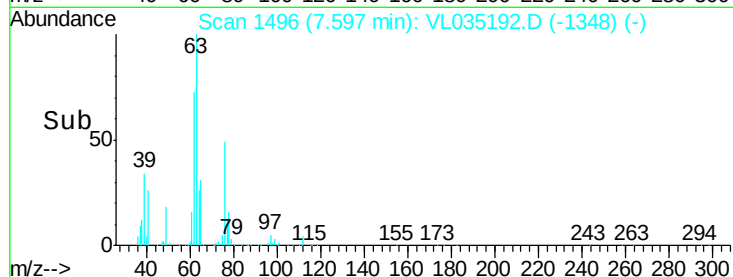
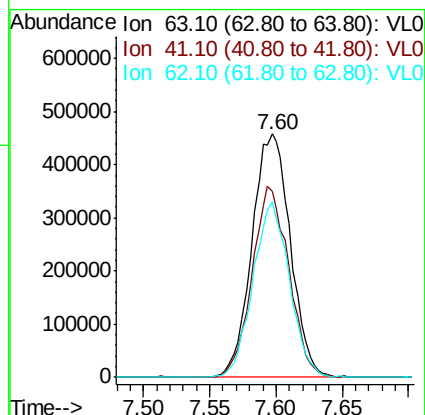
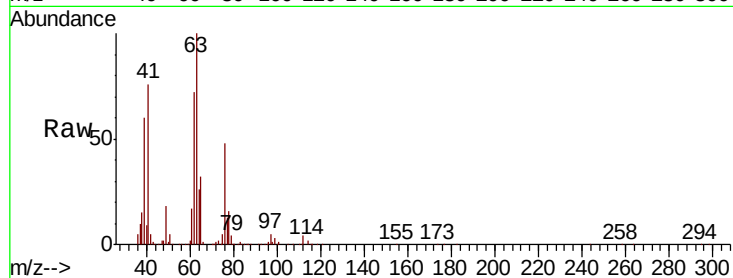




#39
 1,2-Dichloropropane
 Concen: 10.315 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

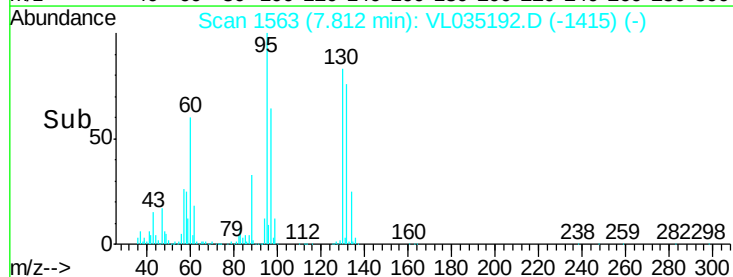
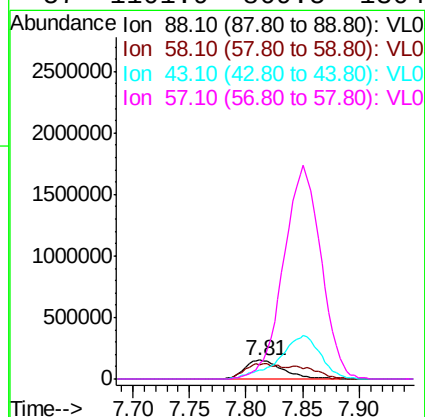
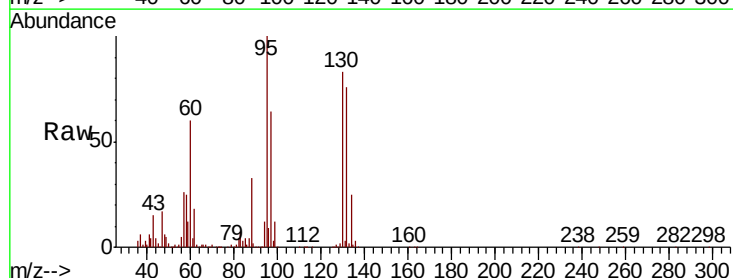
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

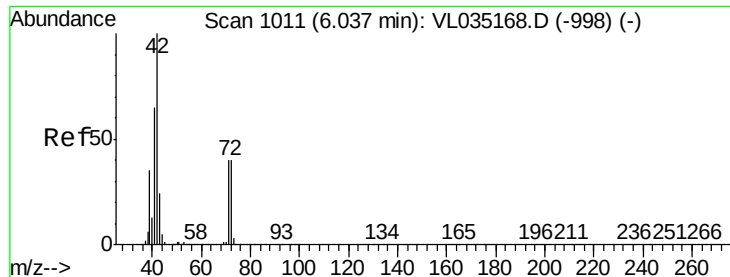
Tot Ion: 63 Resp: 920940
 Ion Ratio Lower Upper
 63 100
 41 76.3 62.6 94.0
 62 72.4 55.0 82.6



#40
 1,4-Dioxane
 Concen: 10.222 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion: 88 Resp: 363303
 Ion Ratio Lower Upper
 88 100
 58 130.1 100.2 150.4
 43 247.8 199.8 299.8
 57 1101.9 869.5 1304.3





#41

Tetrahydrofuran

Concen: 11.332 ppbv

RT: 6.01 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

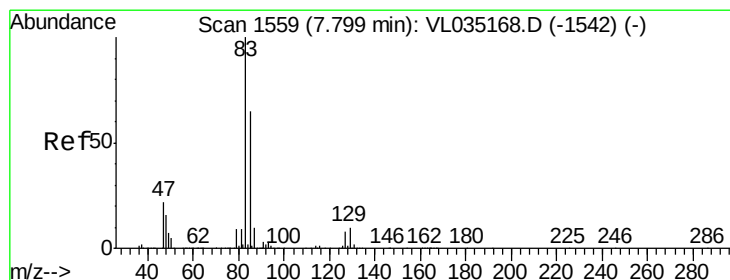
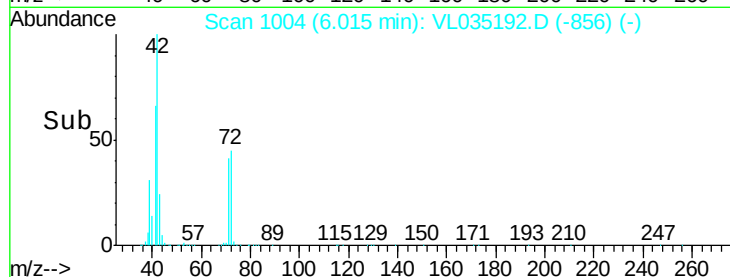
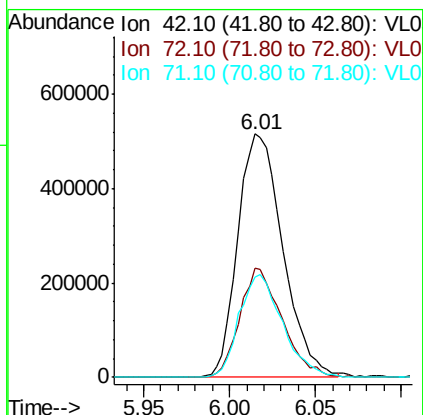
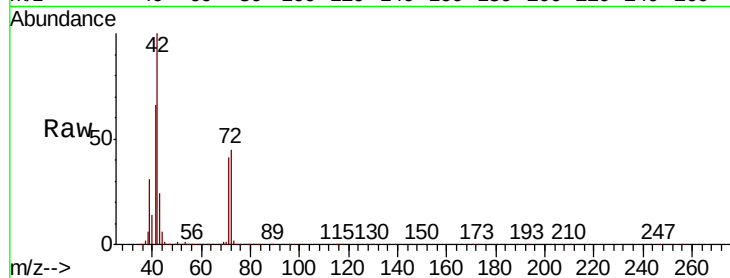
Tot Ion: 42 Resp: 938744

Ion Ratio Lower Upper

42 100

72 42.2 33.4 50.2

71 40.7 31.9 47.9



#42

Bromodichloromethane

Concen: 9.888 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

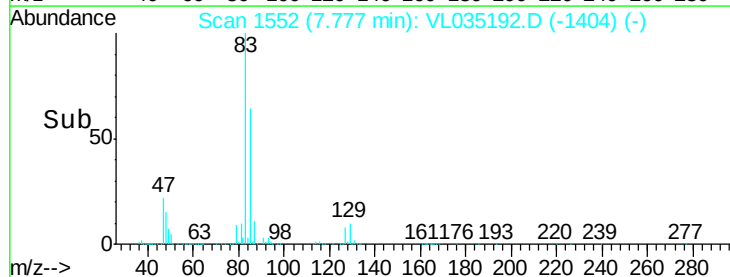
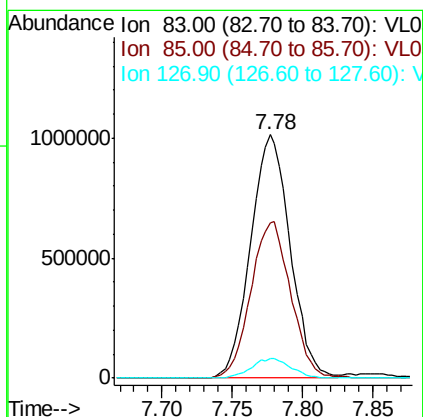
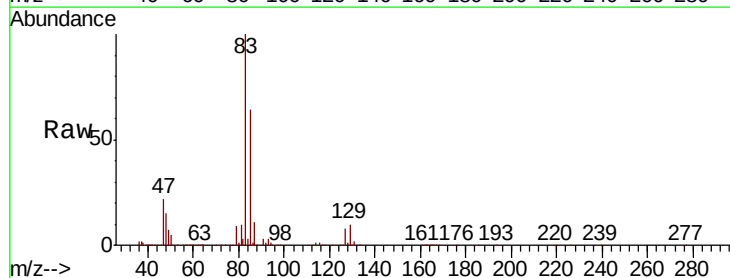
Tgt Ion: 83 Resp: 1989401

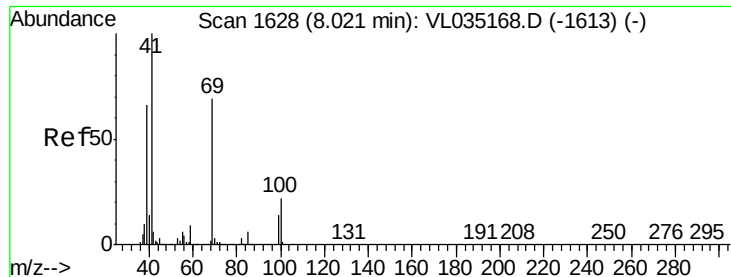
Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.4

127 7.9 6.3 9.5





#43

Methyl Methacrylate

Concen: 11.209 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

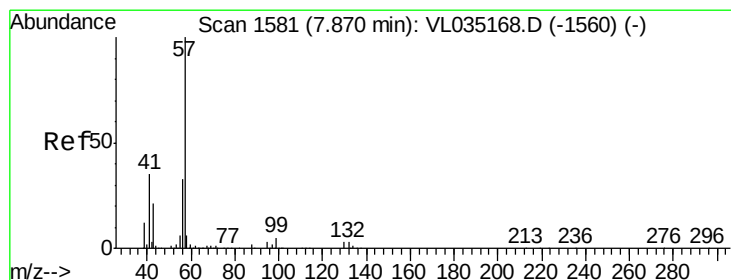
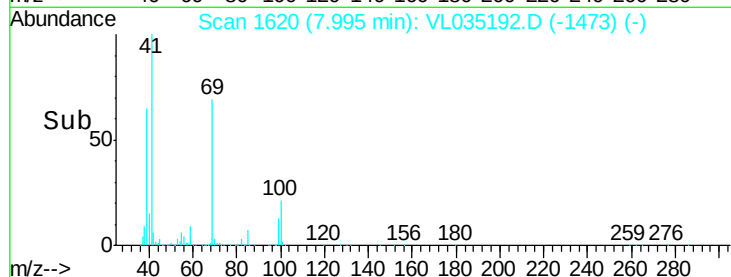
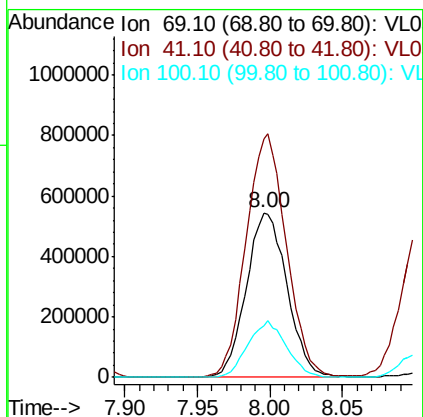
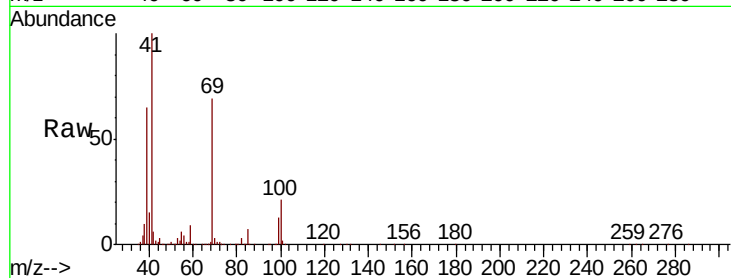
Tot Ion: 69 Resp: 1063748

Ion Ratio Lower Upper

69 100

41 146.0 116.3 174.5

100 32.6 25.6 38.4



#44

2,2,4-Trimethylpentane

Concen: 10.321 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

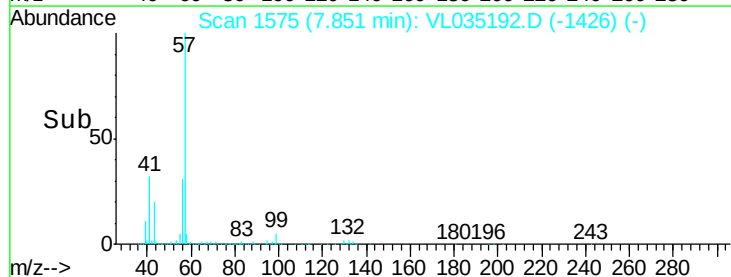
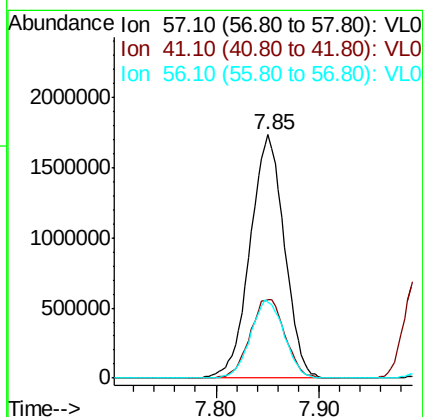
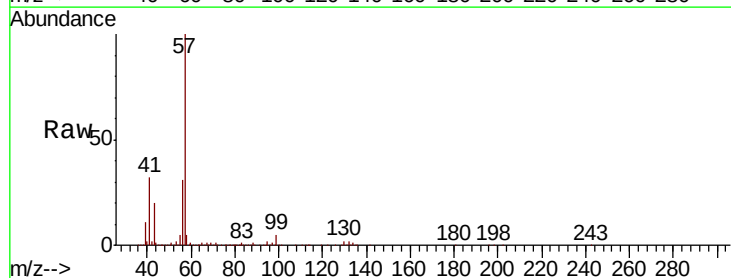
Tgt Ion: 57 Resp: 3999650

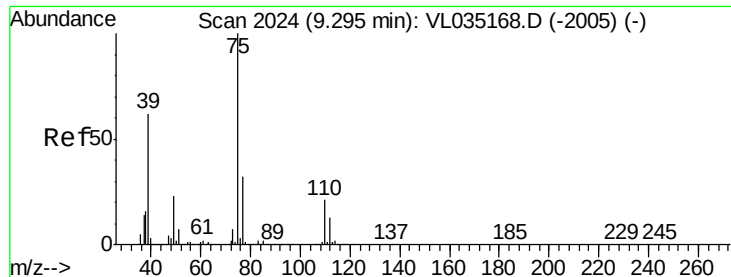
Ion Ratio Lower Upper

57 100

41 33.0 27.0 40.6

56 31.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.381 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

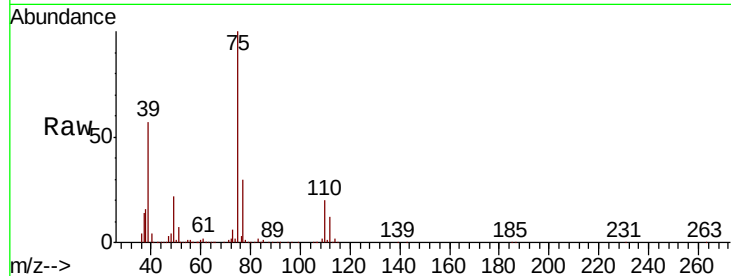
VL0716ABS01

Tot Ion: 75 Resp: 1234394

Ion Ratio Lower Upper

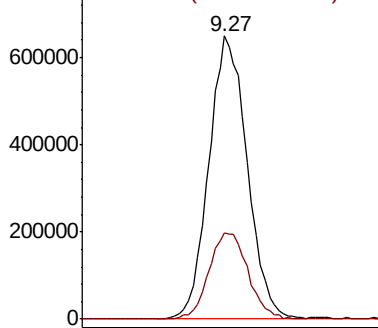
75 100

77 30.4 25.8 38.8

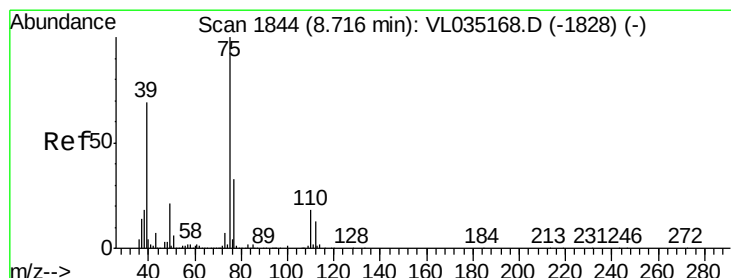
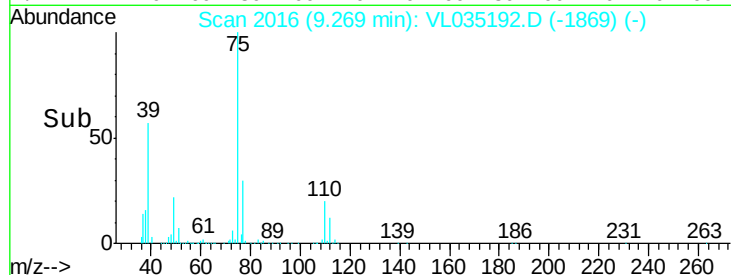


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.027 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

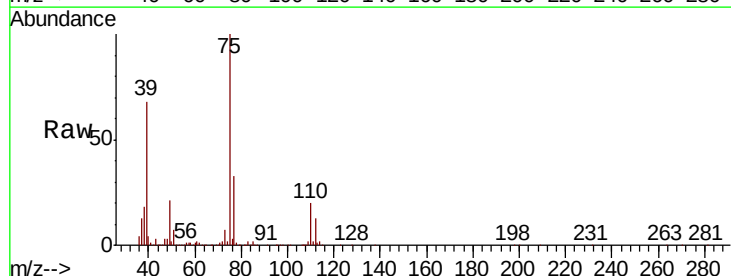
Tgt Ion: 75 Resp: 1421594

Ion Ratio Lower Upper

75 100

39 67.8 55.2 82.8

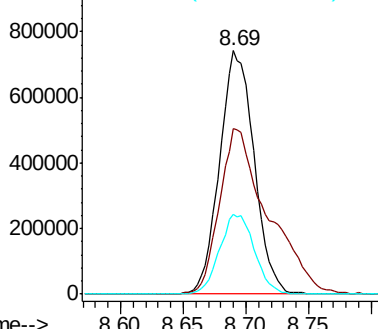
77 32.9 26.0 39.0



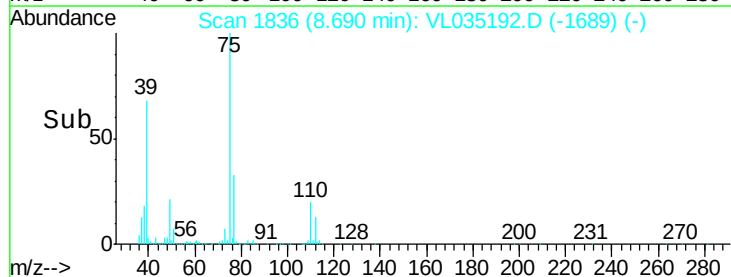
Abundance Ion 75.00 (74.70 to 75.70): VL0

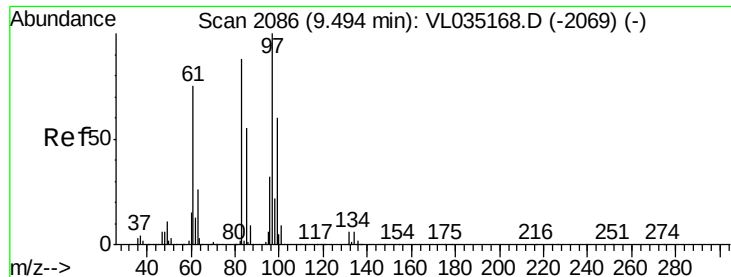
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->

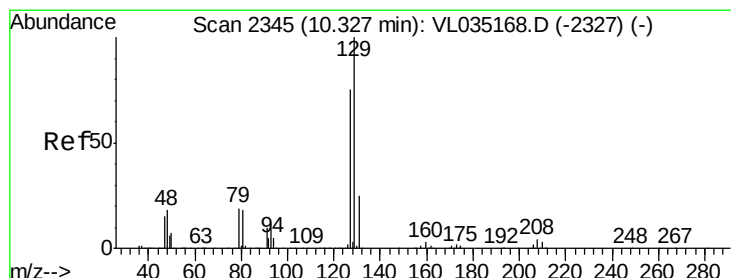
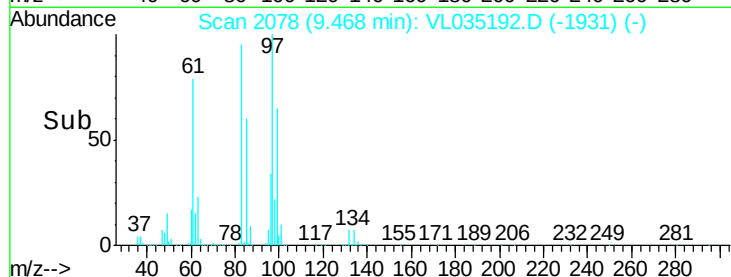
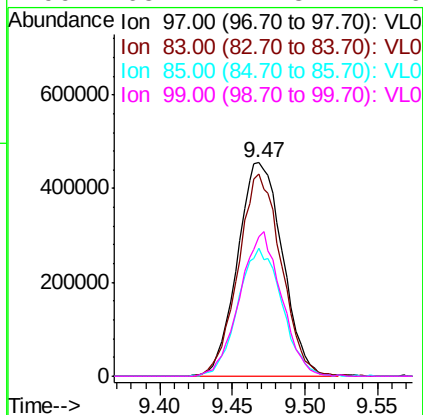
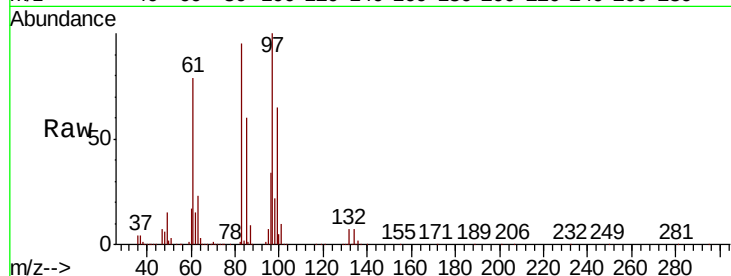




#47
 1,1,2-Trichloroethane
 Concen: 10.064 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

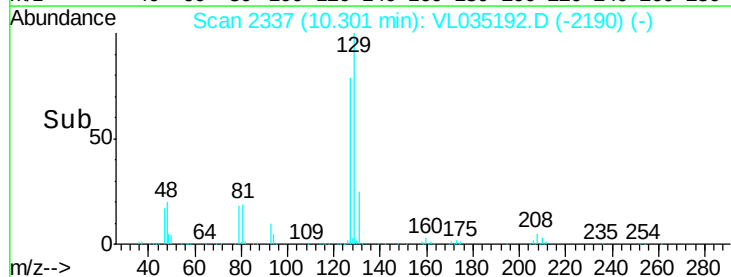
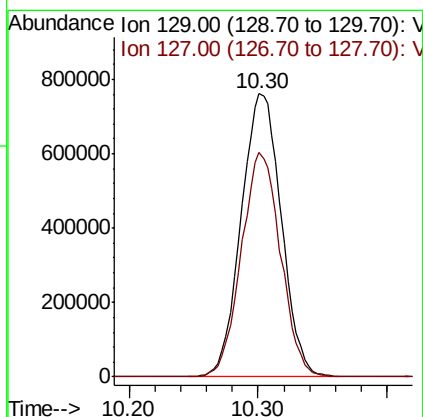
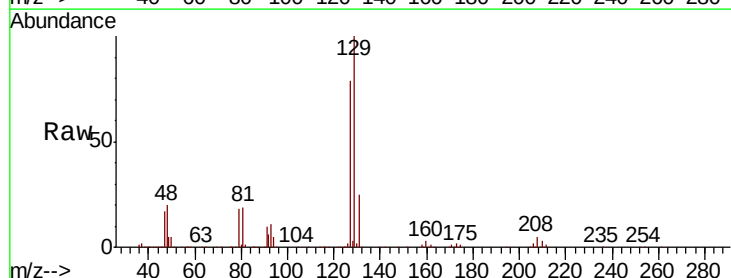
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

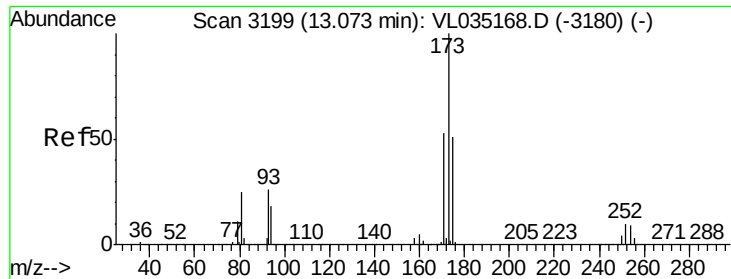
Tot Ion:	97	Resp:	983444
Ion	Ratio	Lower	Upper
97	100		
83	94.6	70.3	105.5
85	60.0	44.3	66.5
99	65.2	47.8	71.6



#48
 Dibromochloromethane
 Concen: 10.376 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion:	129	Resp:	1649750
Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.3





#49

Bromoform

Concen: 10.290 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

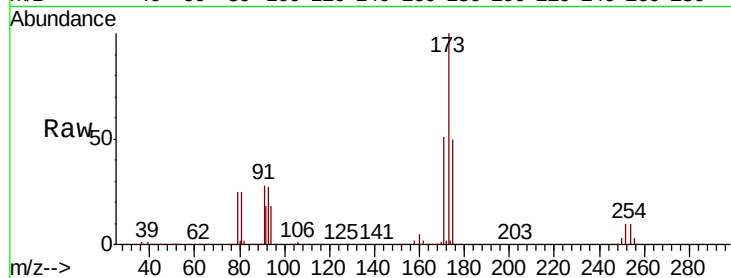
Tot Ion:173 Resp: 1431198

Ion Ratio Lower Upper

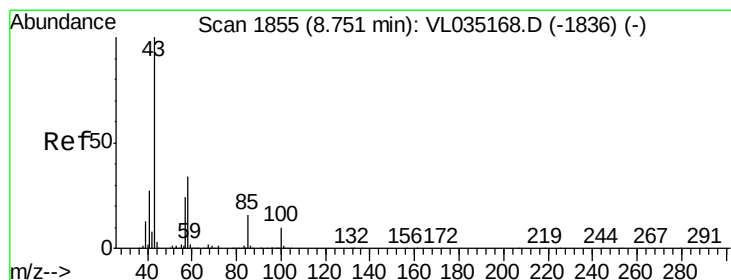
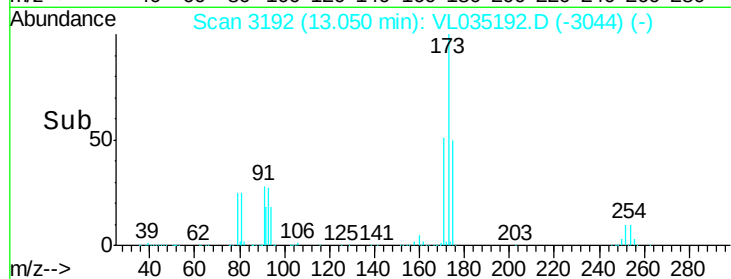
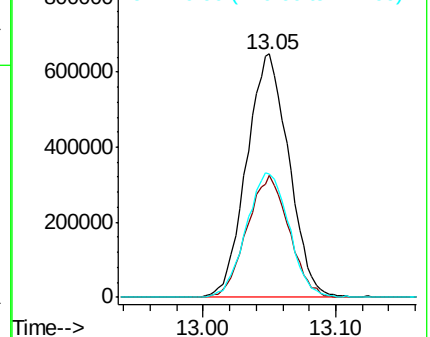
173 100

175 50.0 39.7 59.5

171 52.1 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.537 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.03 min

Lab File: VL035192.D

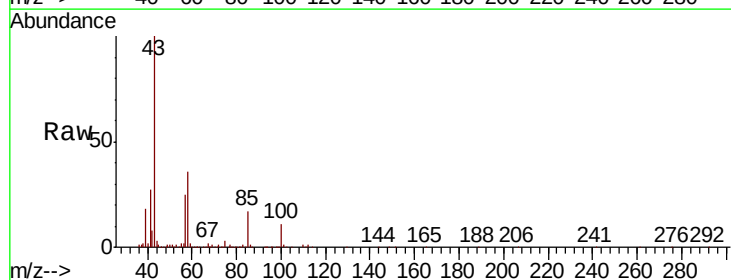
Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 2503608

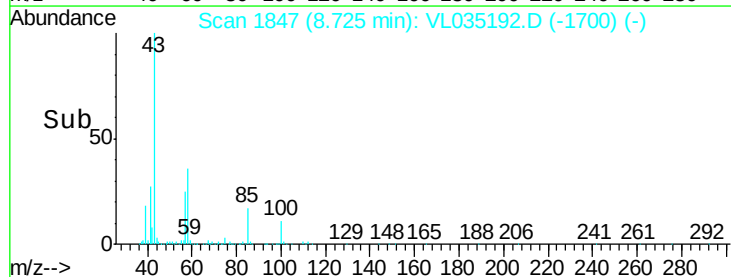
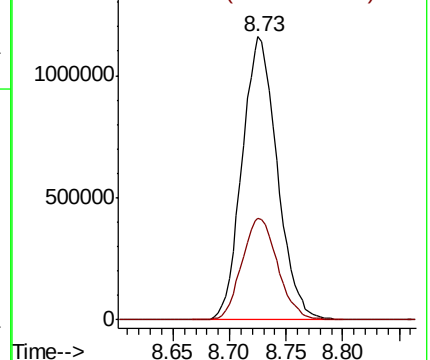
Ion Ratio Lower Upper

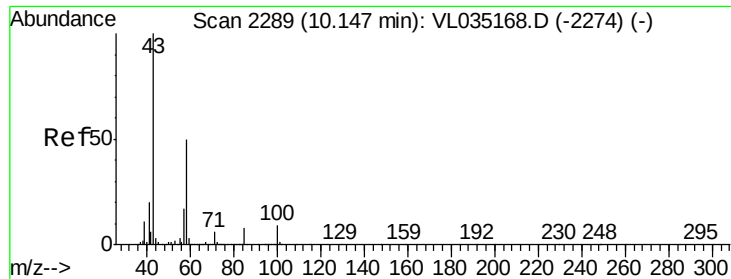
43 100

58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

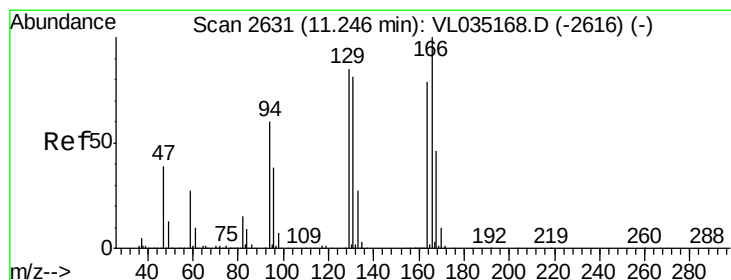
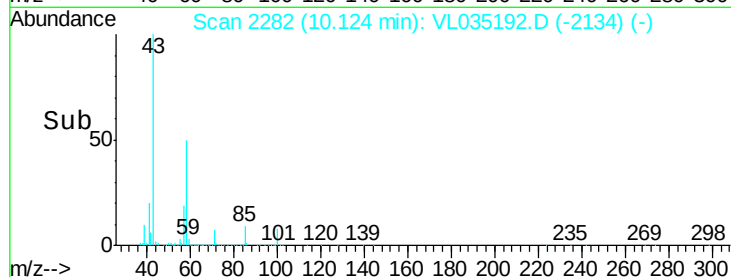
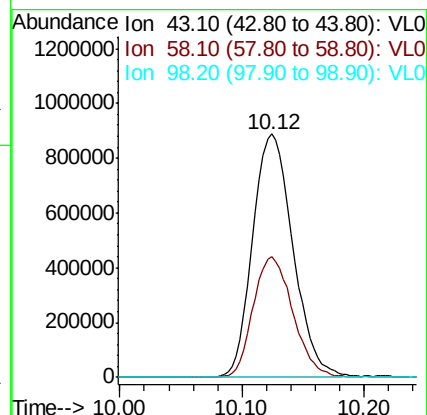
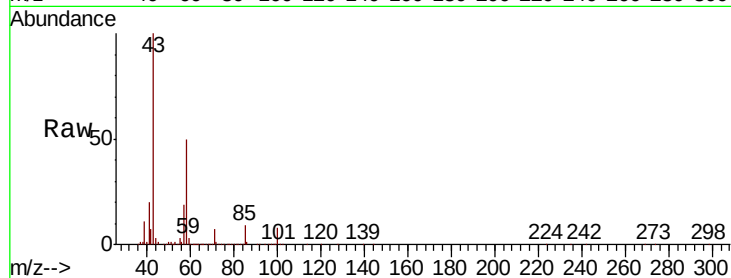




#51
2-Hexanone
Concen: 11.185 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

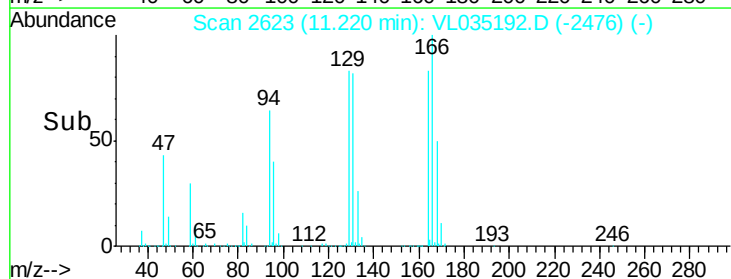
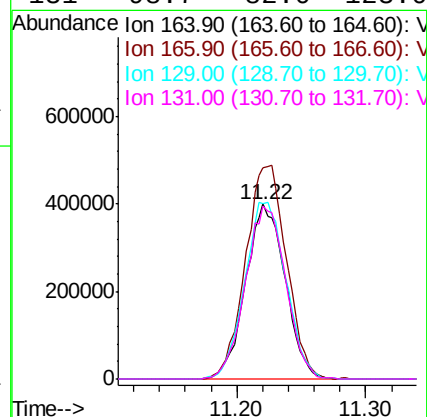
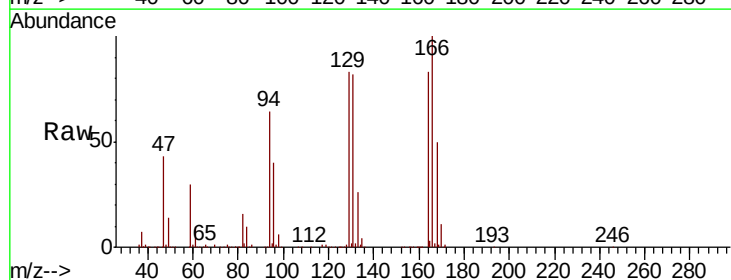
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

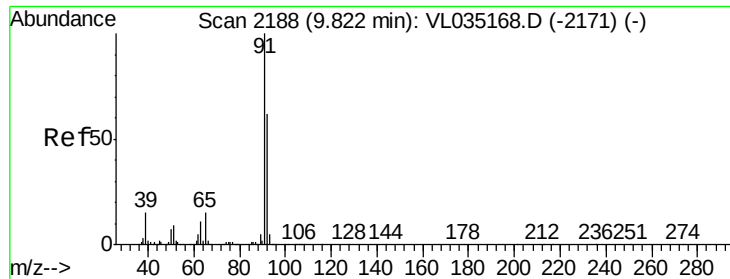
Tot Ion: 43 Resp: 2026449
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.153 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion:164 Resp: 851349
Ion Ratio Lower Upper
164 100
166 120.7 100.7 151.1
129 100.0 85.8 128.6
131 98.7 82.0 123.0





#53

Toluene

Concen: 11.450 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

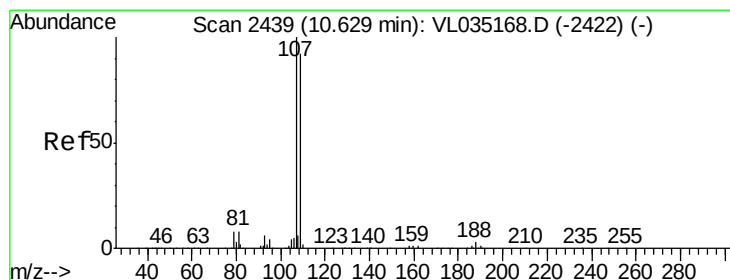
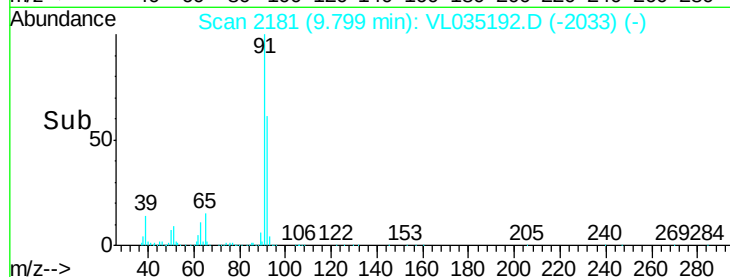
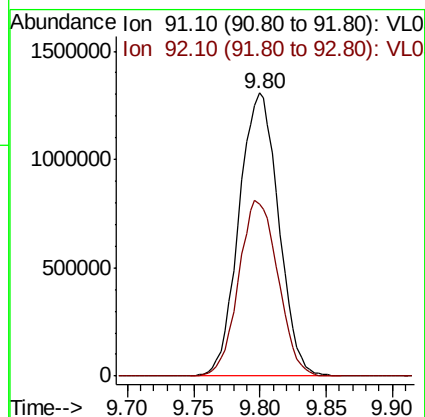
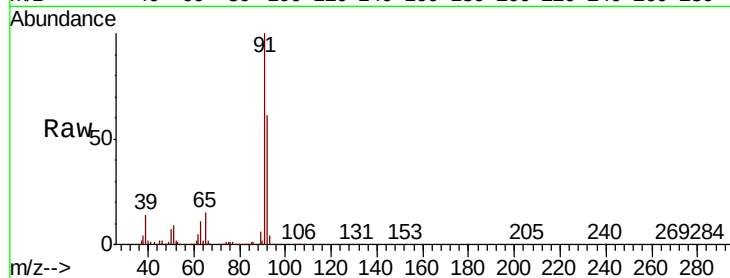
VL0716ABS01

Tot Ion: 91 Resp: 2712767

Ion Ratio Lower Upper

91 100

92 61.8 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.270 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.02 min

Lab File: VL035192.D

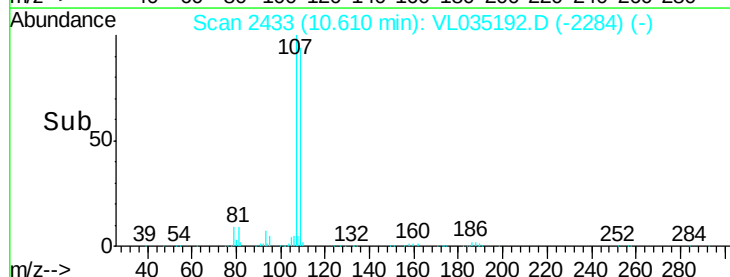
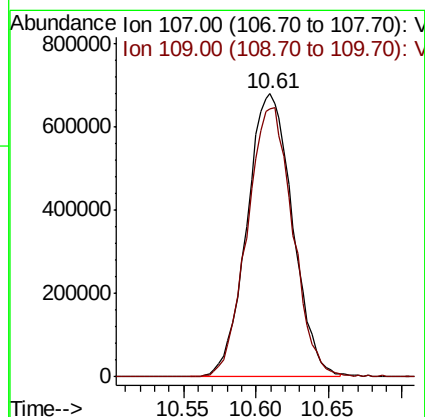
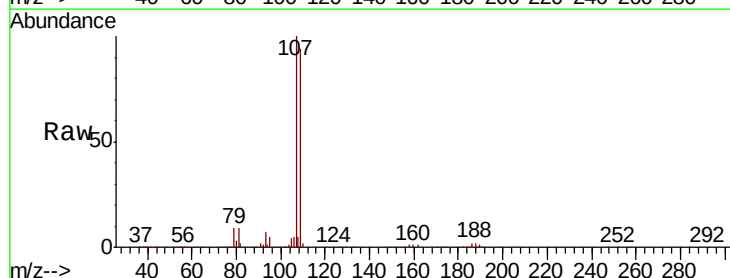
Acq: 16 Jul 2020 13:52

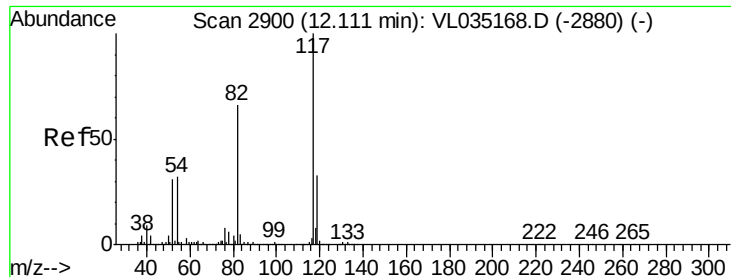
Tgt Ion: 107 Resp: 1489336

Ion Ratio Lower Upper

107 100

109 94.5 74.0 111.0

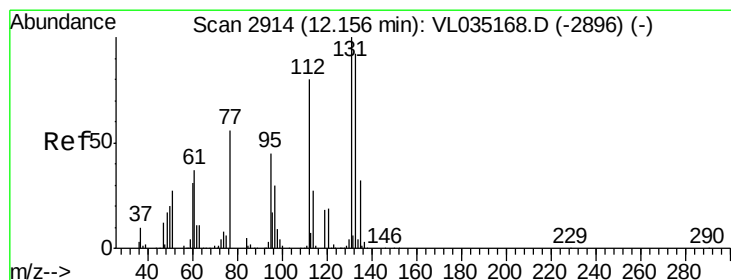
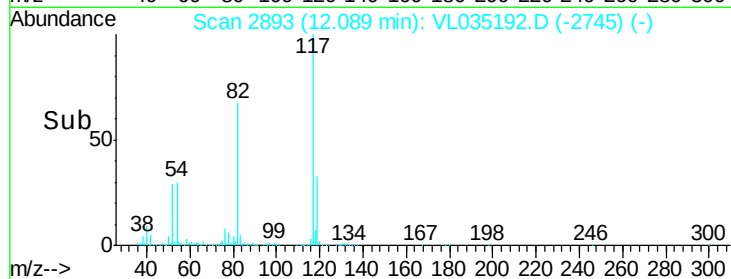
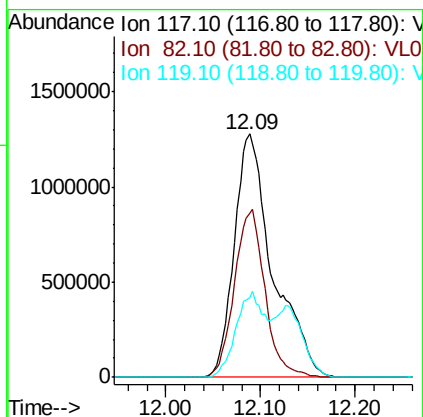
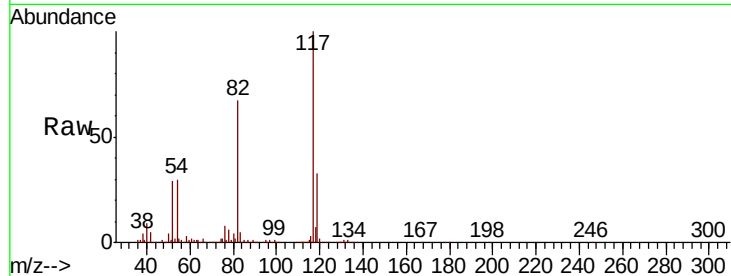




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

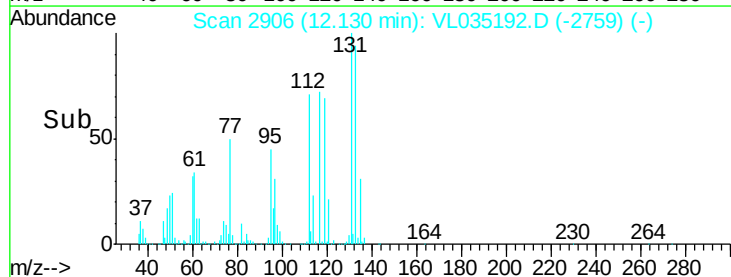
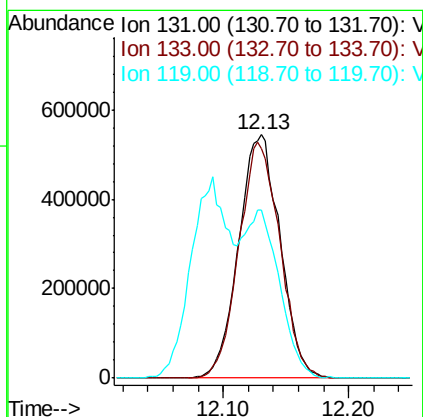
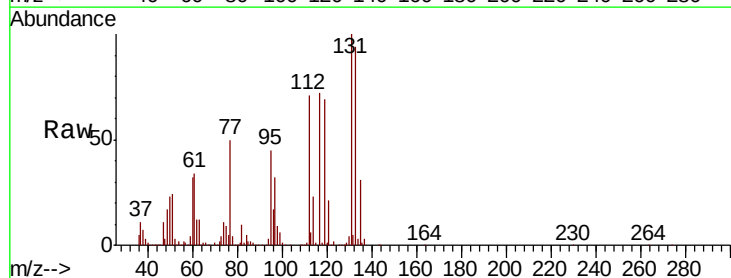
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

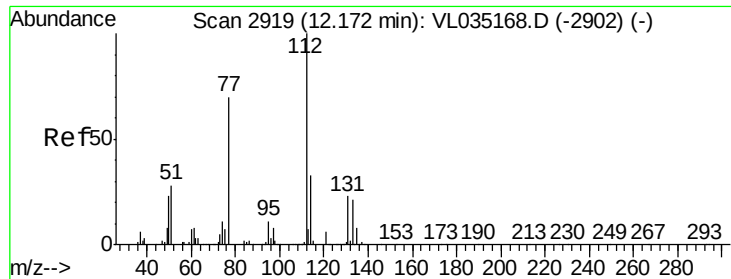
Tot Ion:117 Resp: 3628542
Ion Ratio Lower Upper
117 100
82 54.7 52.3 78.5
119 28.6 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.744 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion:131 Resp: 1244993
Ion Ratio Lower Upper
131 100
133 96.3 75.4 113.2
119 65.0 42.4 63.6#

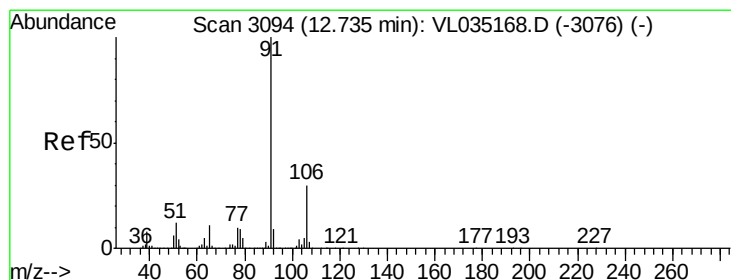
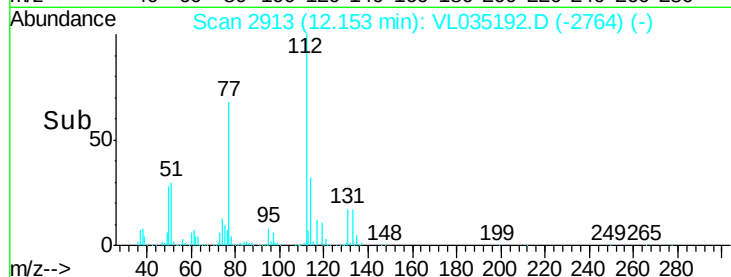
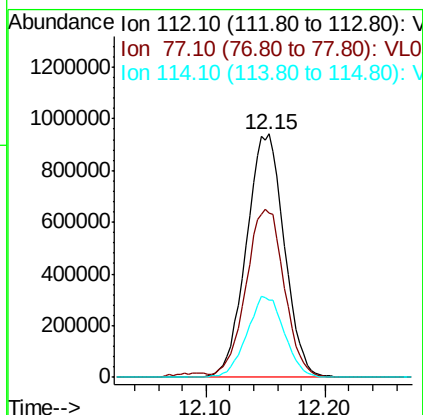
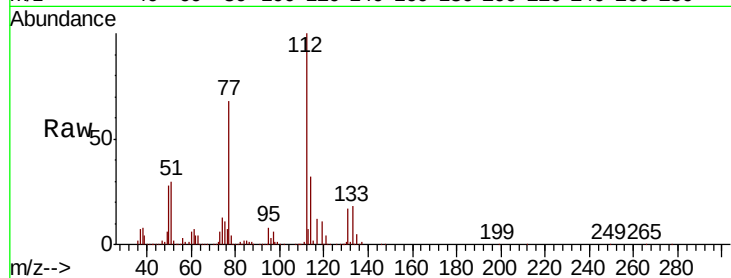




#57
Chlorobenzene
Concen: 7.750 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

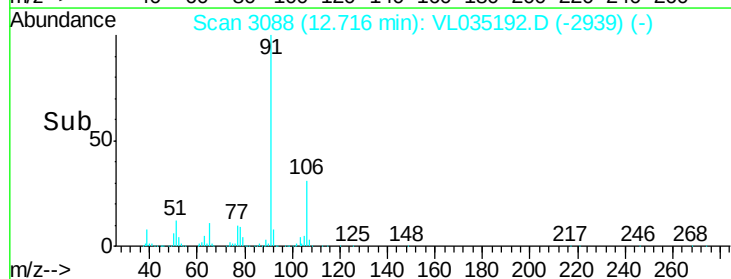
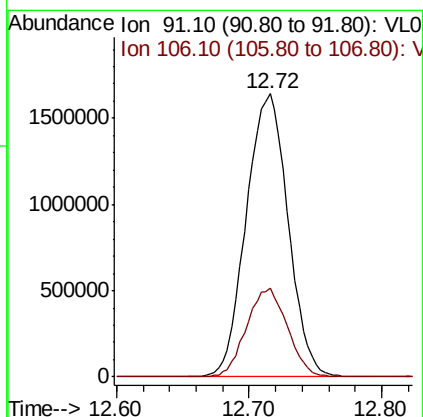
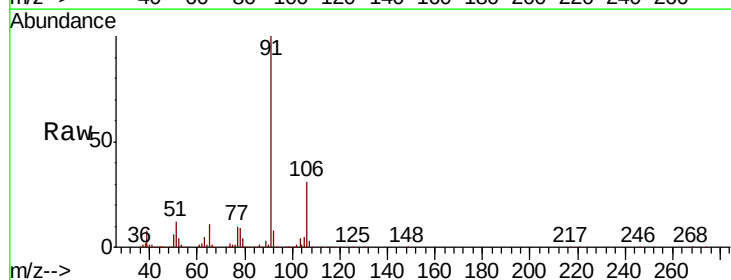
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

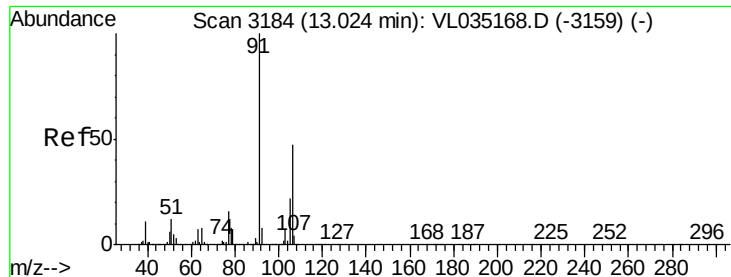
Tot Ion:112 Resp: 2072668
Ion Ratio Lower Upper
112 100
77 67.4 57.0 85.4
114 31.4 30.2 37.0



#58
Ethyl Benzene
Concen: 9.003 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 91 Resp: 3610823
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.2

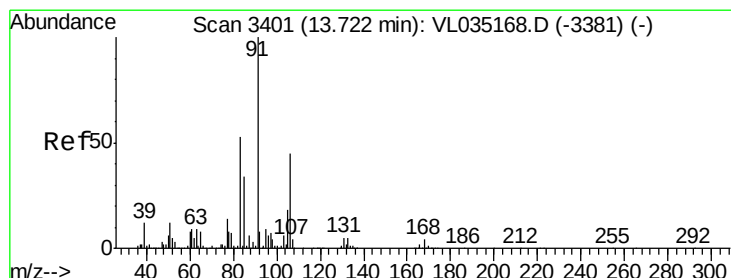
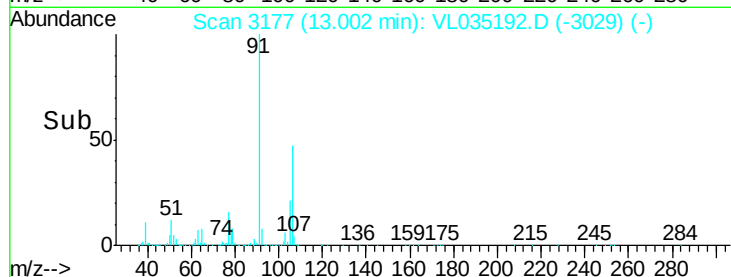
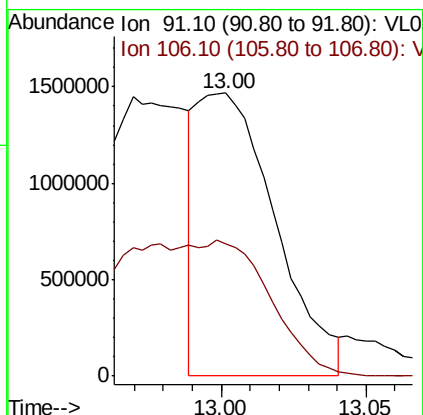
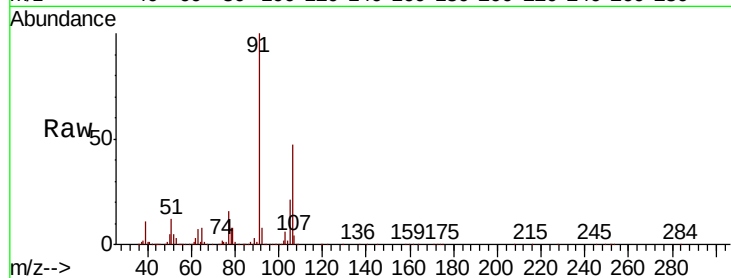




#59
m/p-Xylene
Concen: 7.661 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

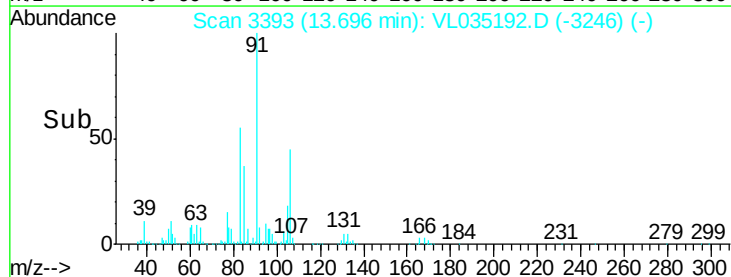
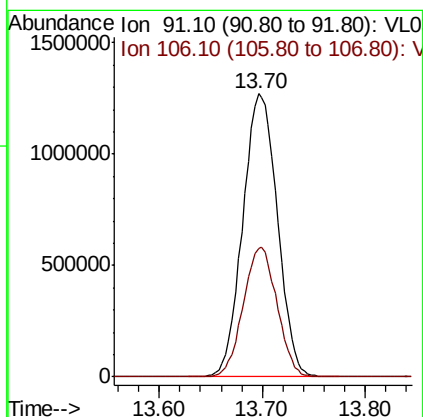
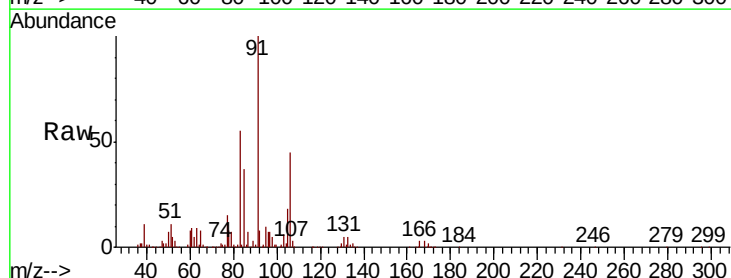
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

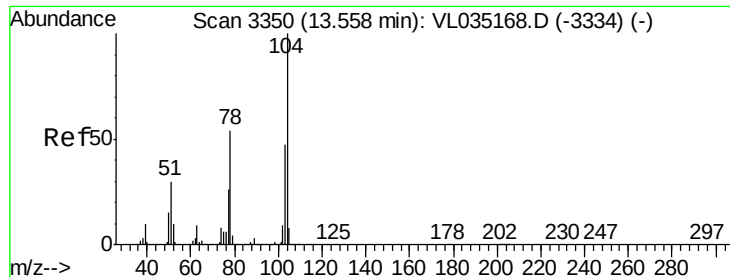
Tot Ion: 91 Resp: 2738427
Ion Ratio Lower Upper
91 100
106 100.9 36.2 54.2#



#60
o-Xylene
Concen: 8.315 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion: 91 Resp: 2965321
Ion Ratio Lower Upper
91 100
106 44.7 22.1 66.3





#61

Stvrene

Concen: 9.739 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

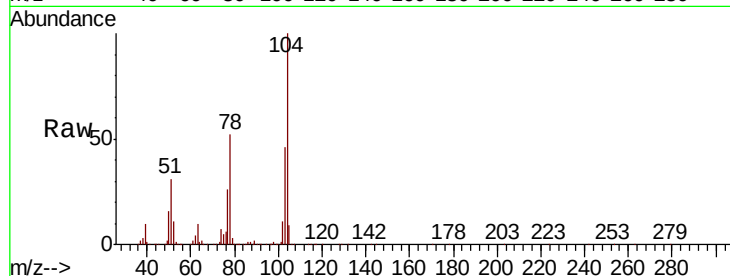
Tot Ion:104 Resp: 2146219

Ion Ratio Lower Upper

104 100

78 53.7 43.4 65.0

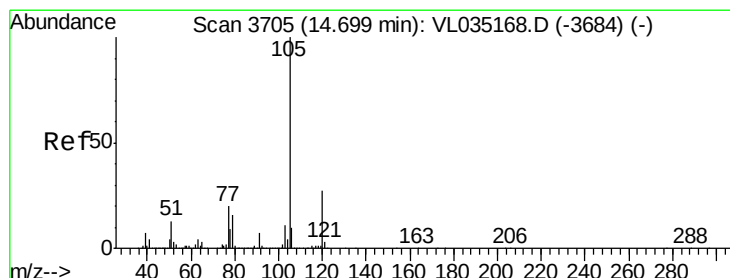
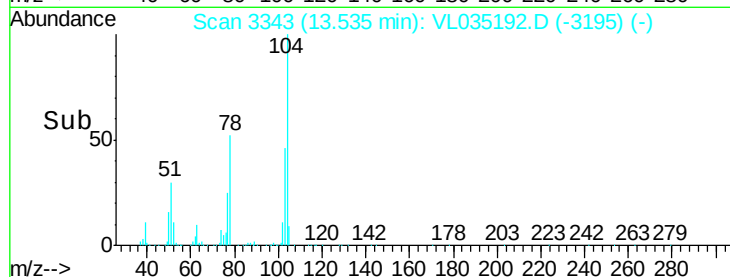
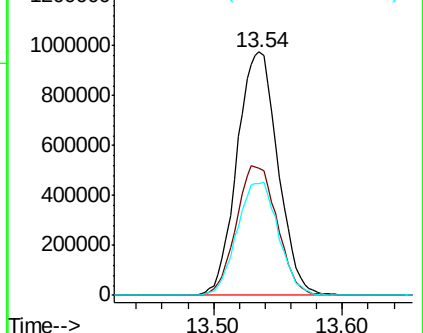
103 47.3 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.353 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.02 min

Lab File: VL035192.D

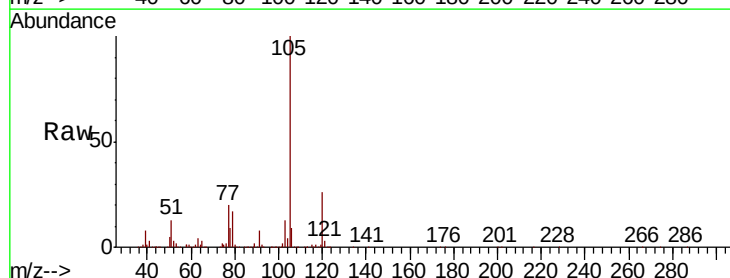
Acq: 16 Jul 2020 13:52

Tgt Ion:105 Resp: 4415649

Ion Ratio Lower Upper

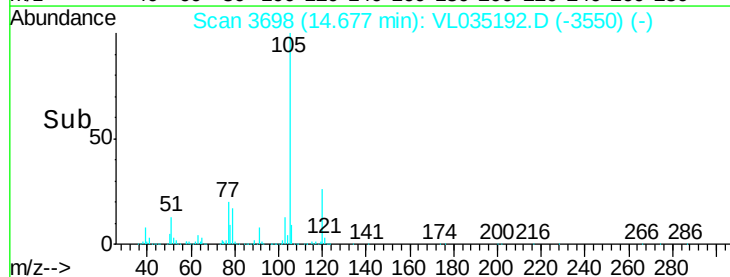
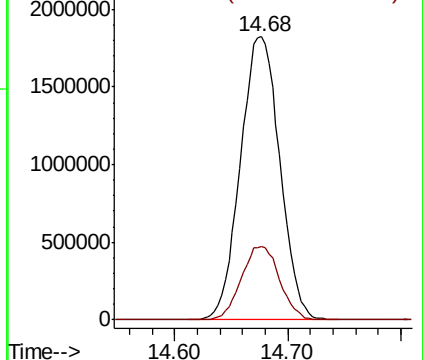
105 100

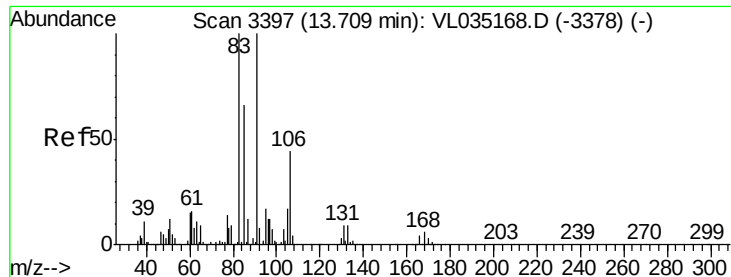
120 25.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

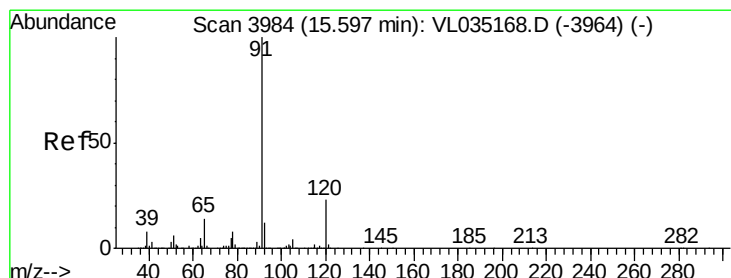
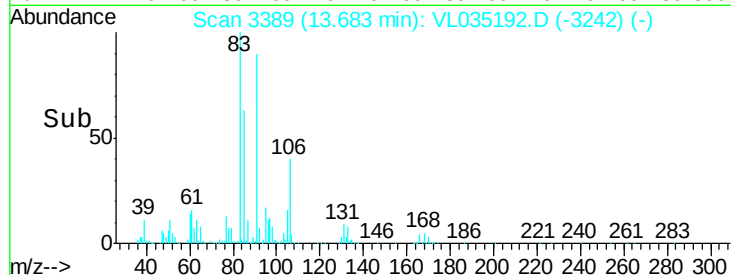
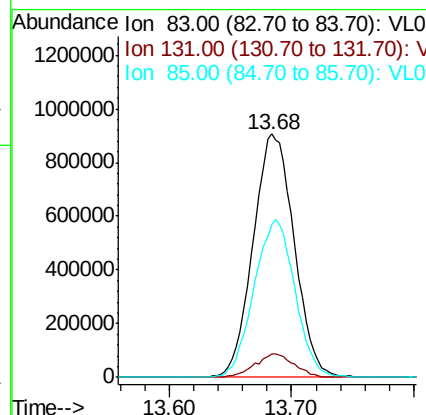
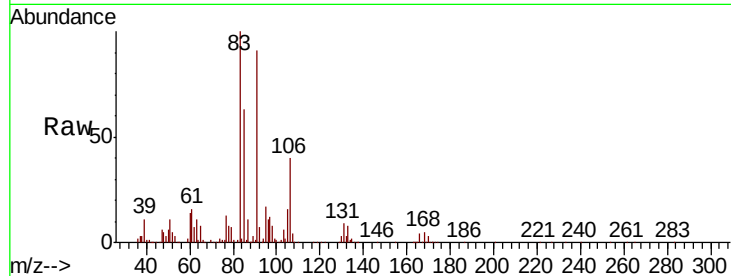




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.068 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

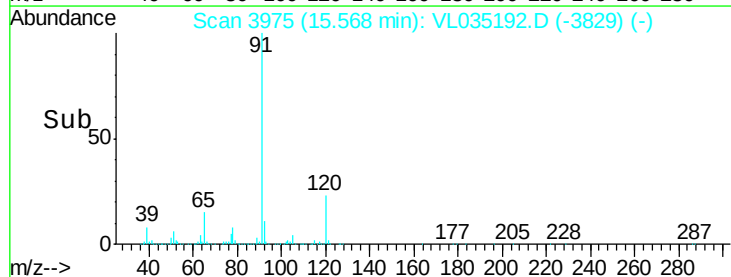
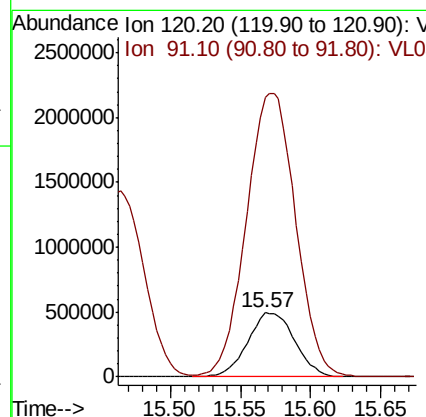
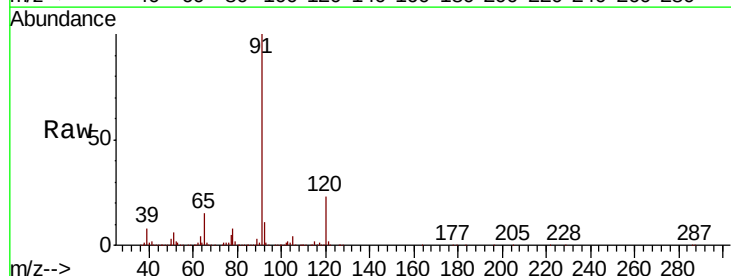
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

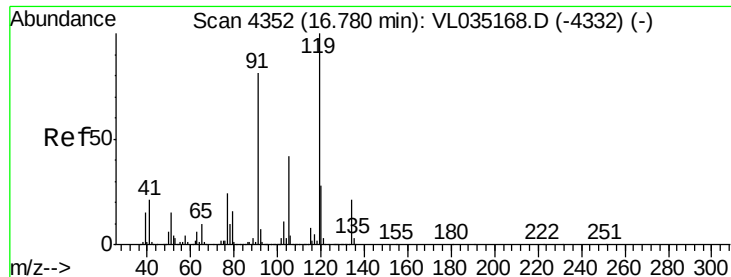
Tot Ion: 83 Resp: 2106367
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.6 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.419 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion:120 Resp: 1149642
 Ion Ratio Lower Upper
 120 100
 91 465.6 372.4 558.6





#65

tert-Butylbenzene

Concen: 8.220 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

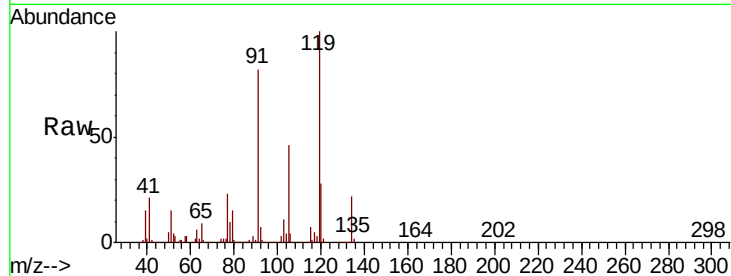
Tot Ion:119 Resp: 3902449

Ion Ratio Lower Upper

119 100

91 83.6 67.5 101.3

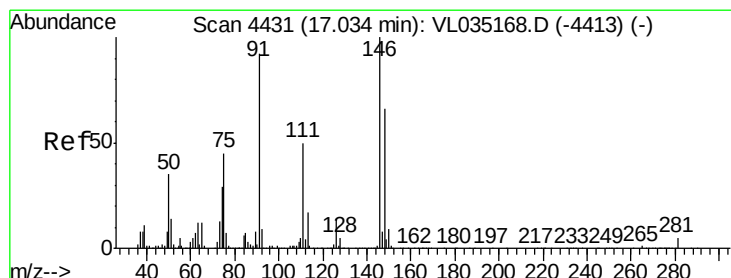
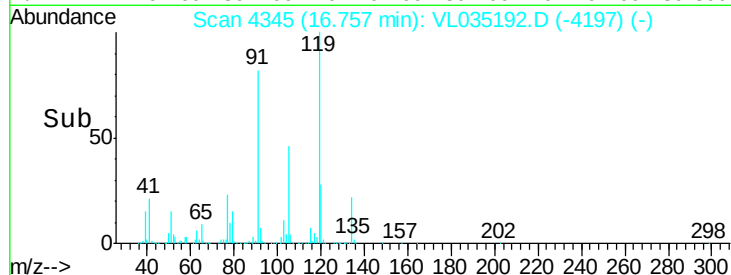
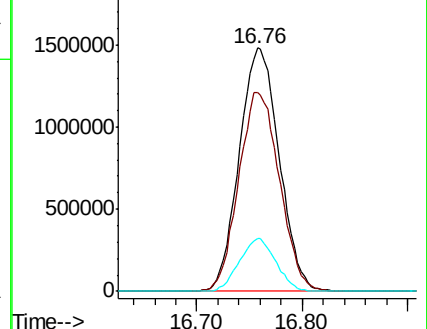
134 19.9 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.105 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

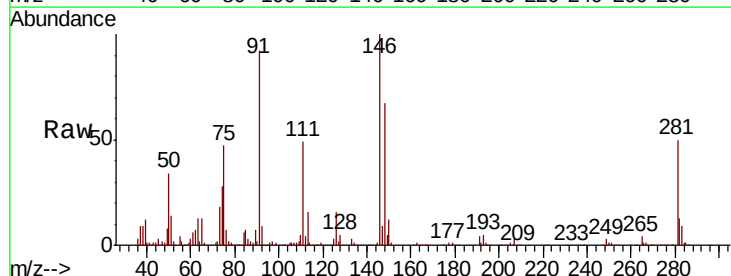
Tgt Ion: 91 Resp: 1540058

Ion Ratio Lower Upper

91 100

126 17.5 13.9 20.9

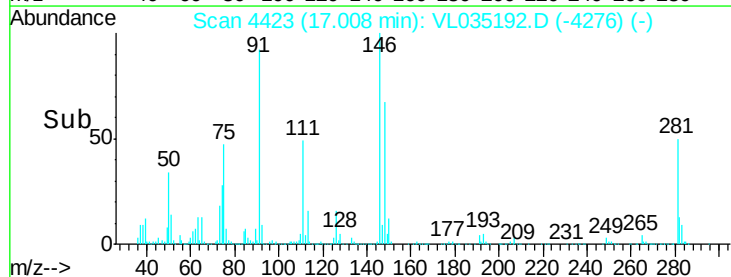
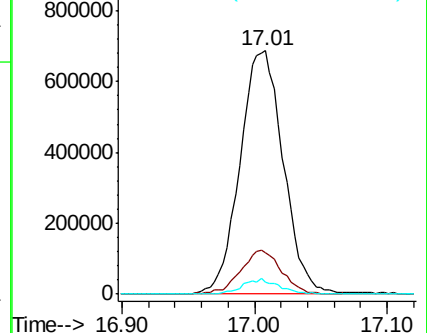
128 5.3 4.2 6.4

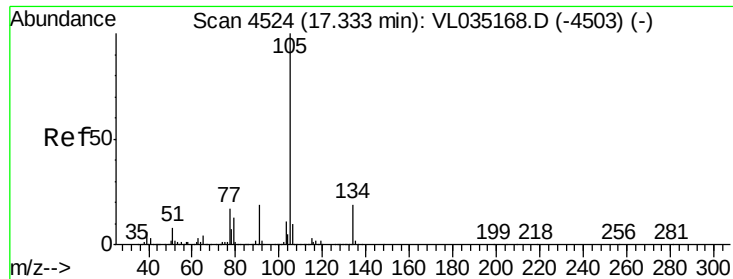


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.971 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

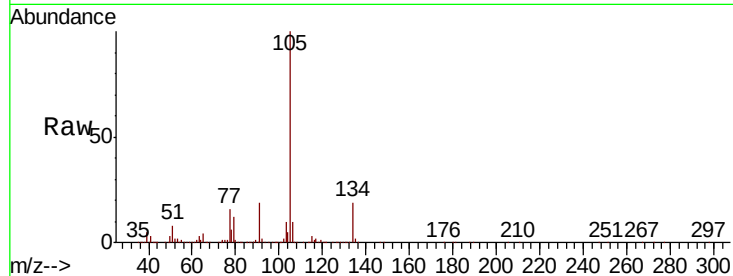
VL0716ABS01

Tot Ion:105 Resp: 5516784

Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

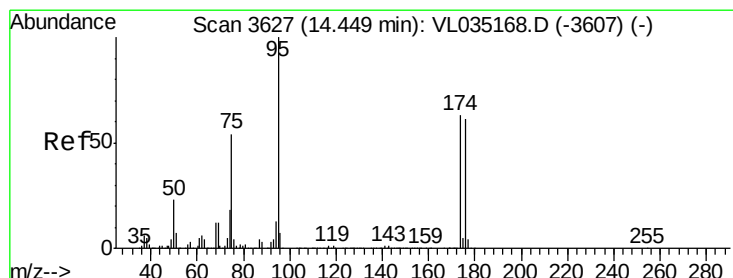
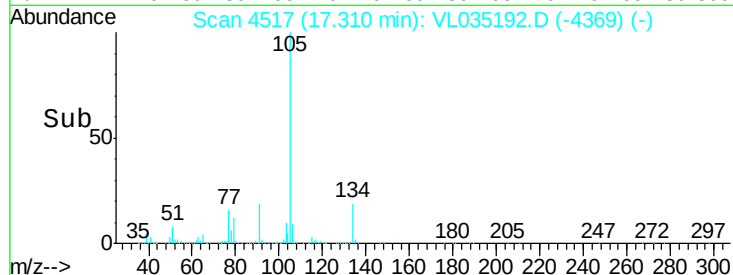
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.997 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

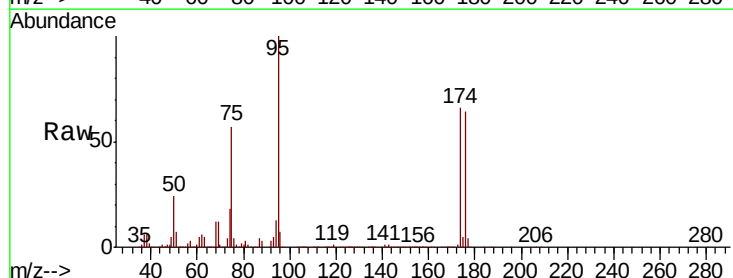
Tgt Ion: 95 Resp: 2357185

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

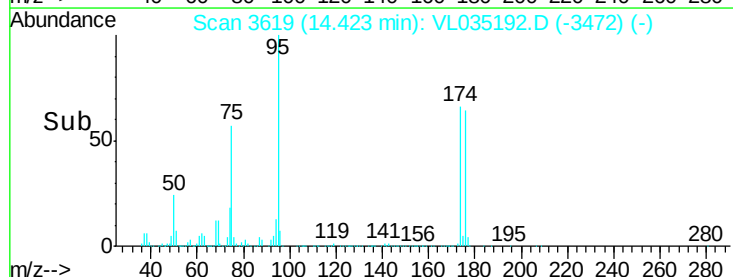
1000000

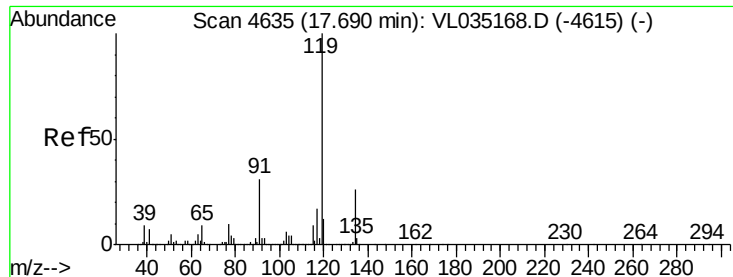
500000

0

14.30 14.40 14.50

Time-->

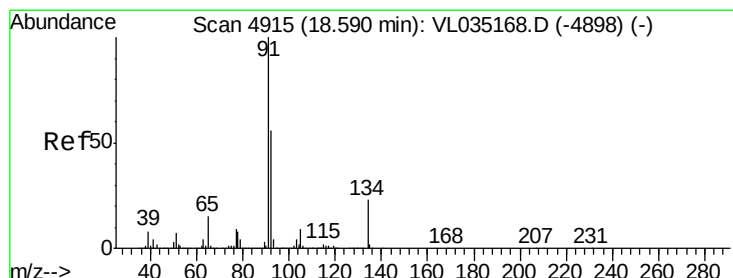
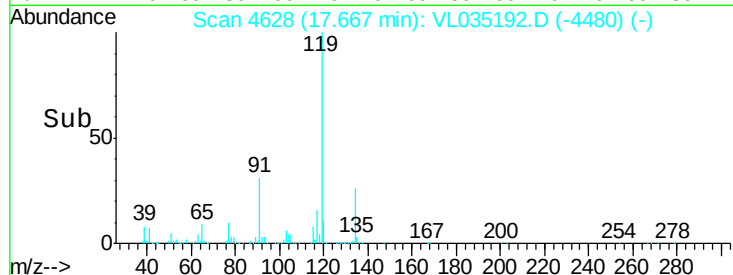
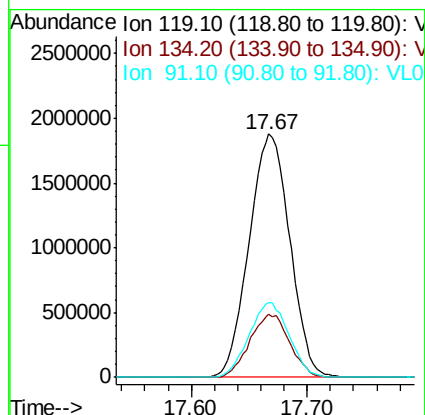
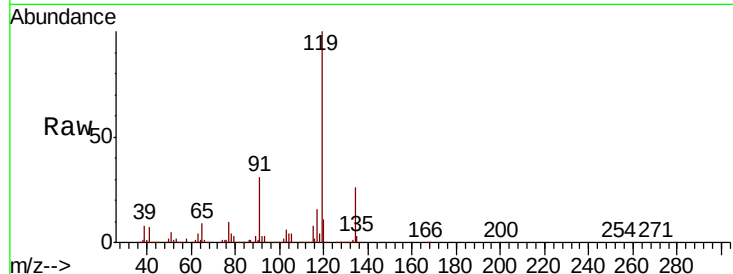




#69
 p-Isopropyltoluene
 Concen: 8.442 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

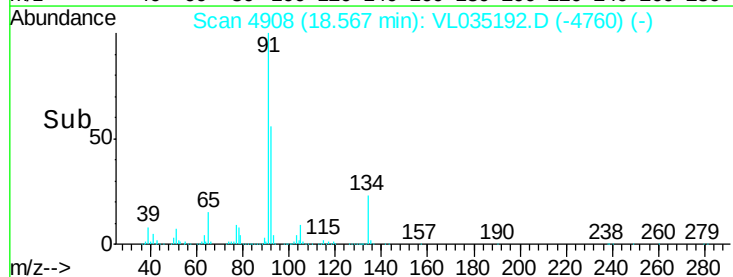
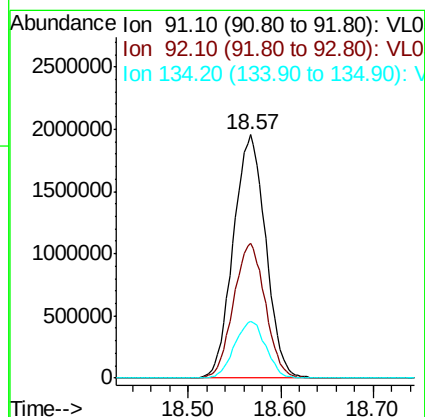
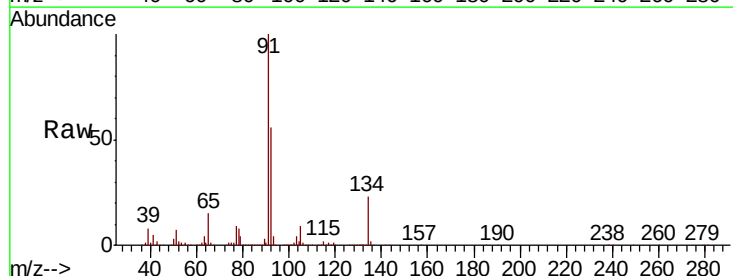
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

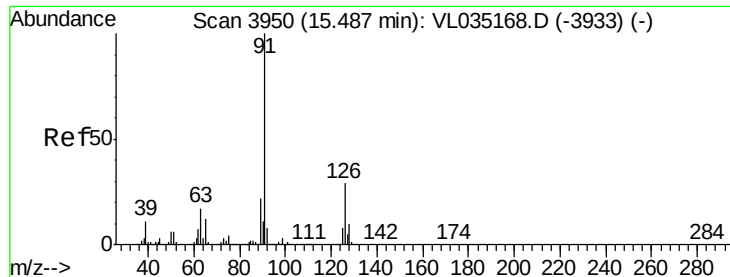
Tot Ion:119 Resp: 4579458
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.8 31.2
 91 30.5 24.9 37.3



#70
 n-Butylbenzene
 Concen: 8.206 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion: 91 Resp: 4719954
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.0 66.0
 134 22.7 18.0 27.0





#71

2-Chlorotoluene

Concen: 8.449 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

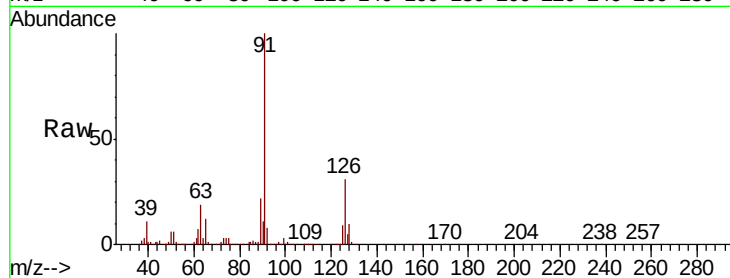
VL0716ABS01

Tot Ion: 91 Resp: 3379345

Ion Ratio Lower Upper

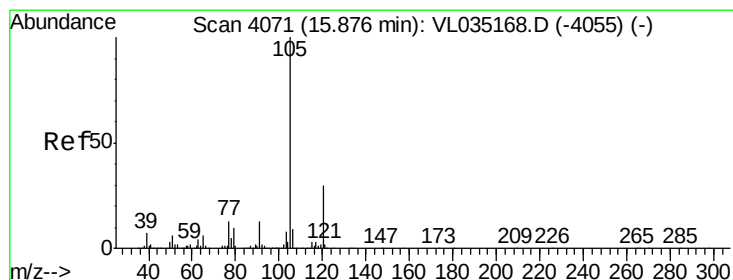
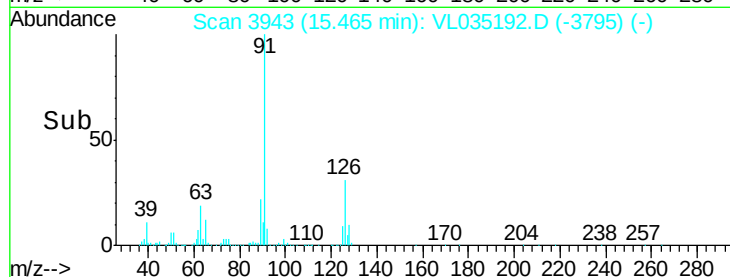
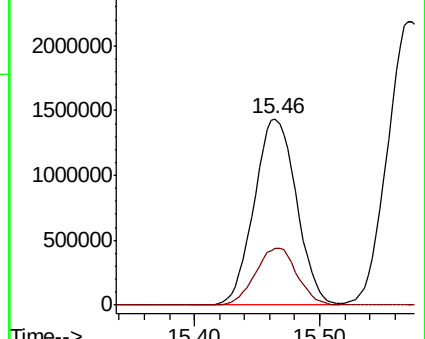
91 100

126 30.3 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.706 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Tgt Ion: 105 Resp: 3498440

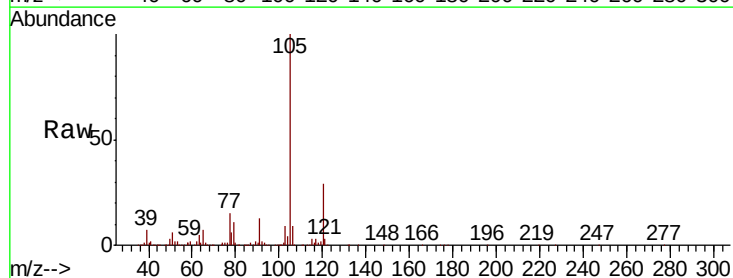
Ion Ratio Lower Upper

105 100

120 28.9 23.2 34.8

91 13.1 10.9 16.3

77 14.4 11.8 17.6

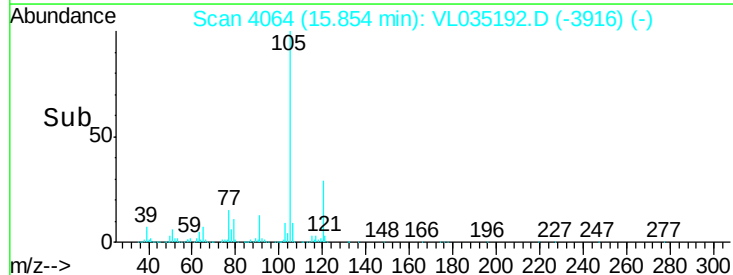
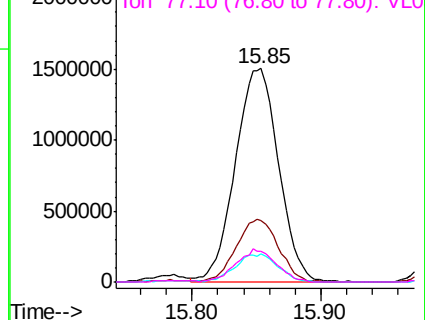


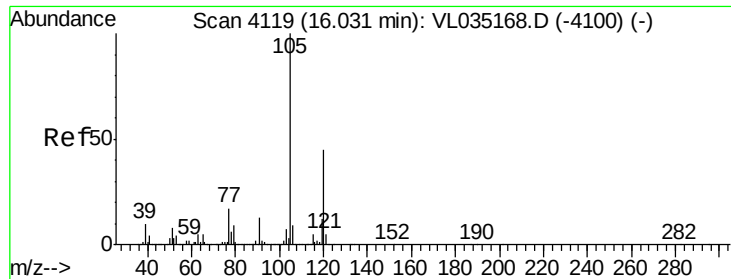
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

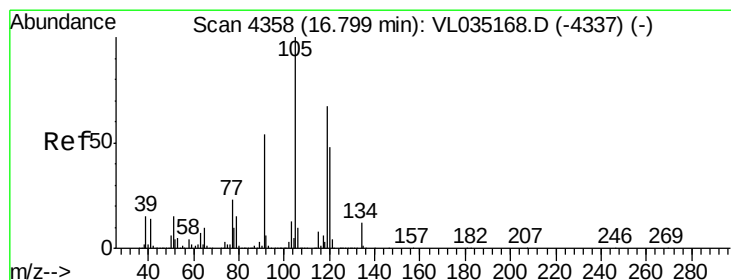
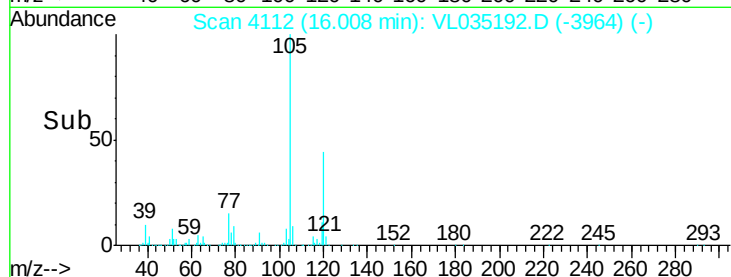
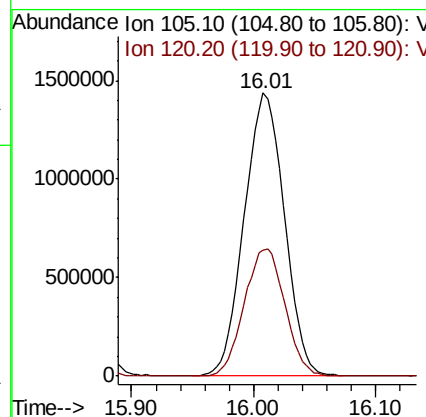
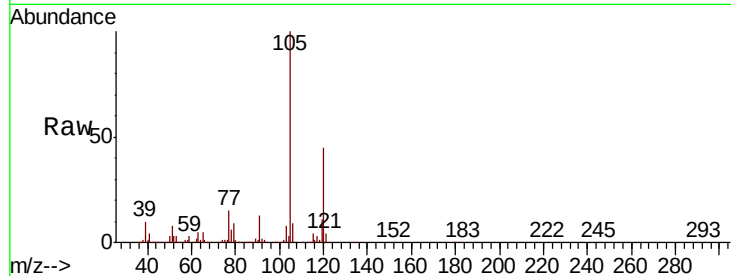




#73
 1,3,5-Trimethylbenzene
 Concen: 8.427 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

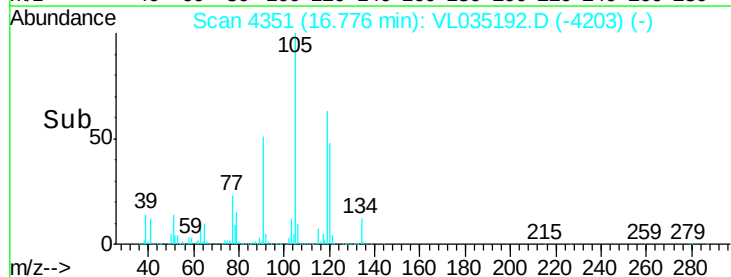
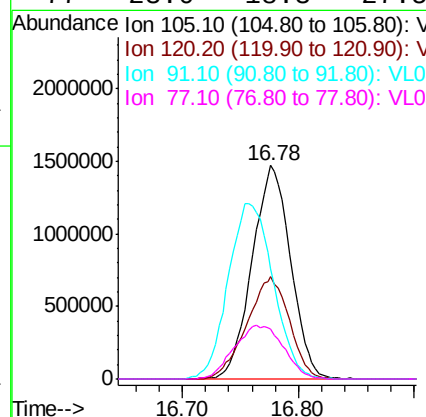
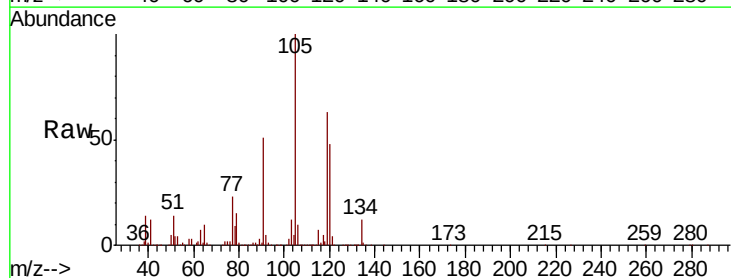
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

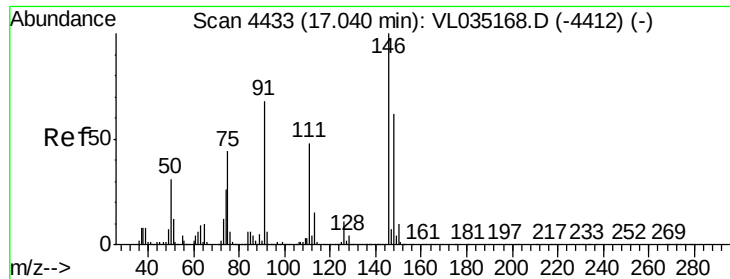
Tot Ion:105 Resp: 3265255
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.2 54.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.944 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion:105 Resp: 3401577
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.6 57.8
 91 51.2 43.6 65.4
 77 23.0 18.3 27.5

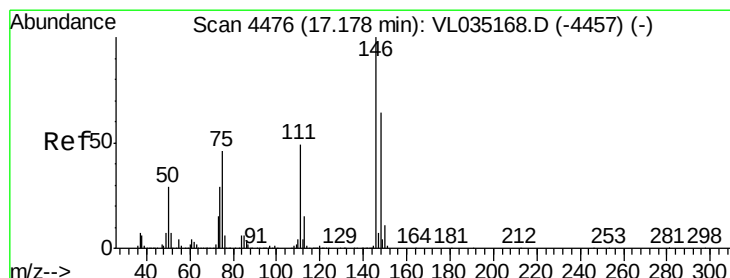
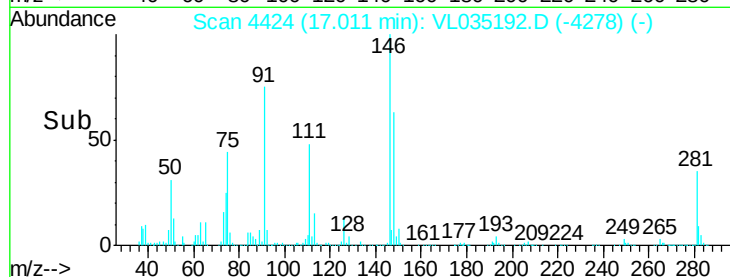
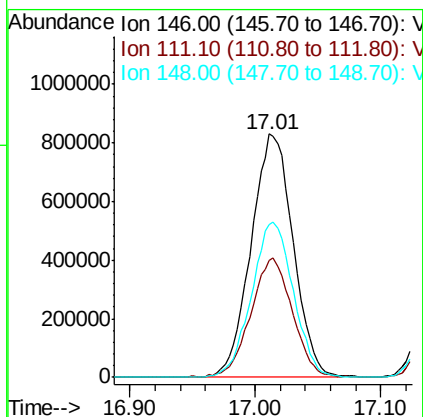
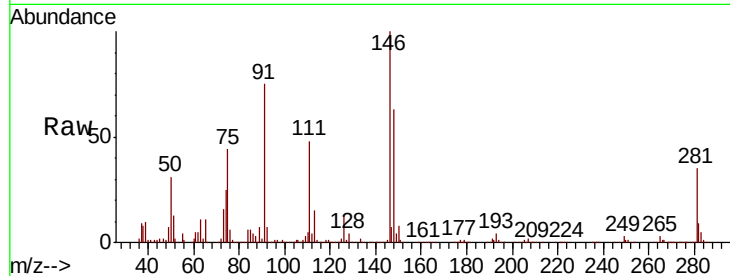




#75
 1,3-Dichlorobenzene
 Concen: 7.147 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

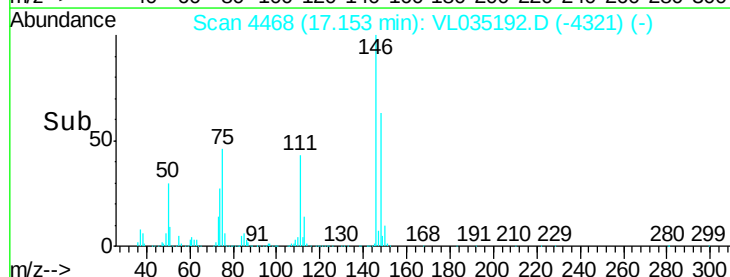
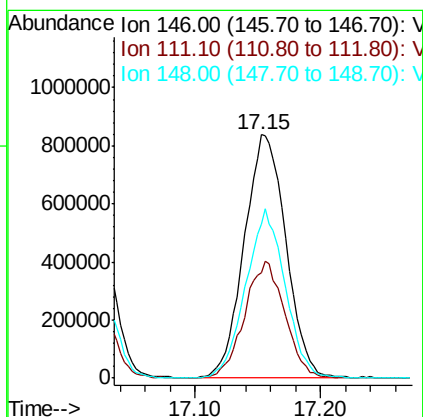
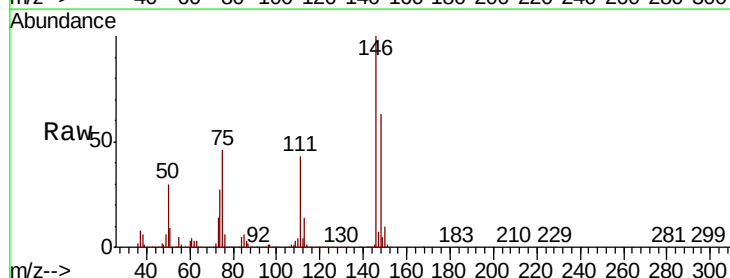
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

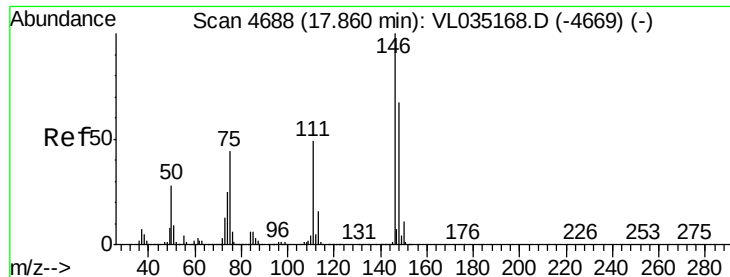
Tot Ion:146 Resp: 1938196
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.7 74.1
 148 63.8 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 7.654 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Tgt Ion:146 Resp: 1929090
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.8 71.2
 148 65.8 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 7.571 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

Instrument :

MSVOA_L

ClientSampleId :

VL0716ABS01

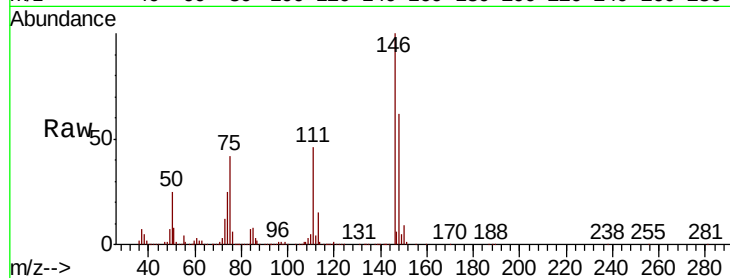
Tot Ion:146 Resp: 1848473

Ion Ratio Lower Upper

146 100

111 50.4 25.1 75.2

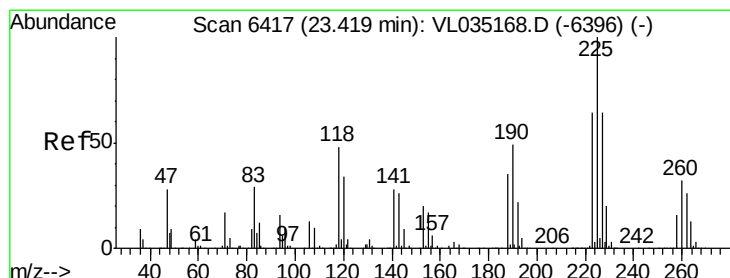
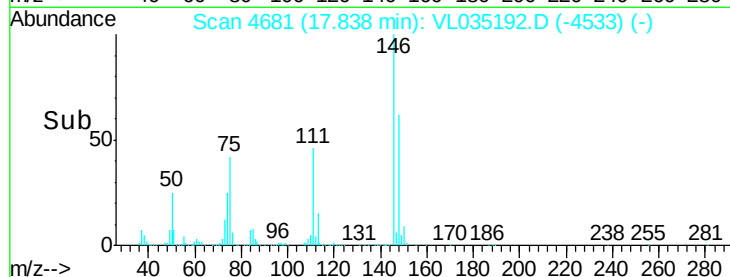
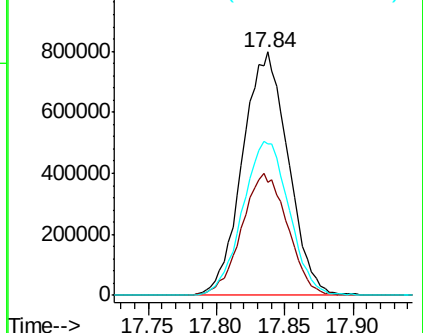
148 64.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.271 ppbv

RT: 23.40 min Scan# 6411

Delta R.T. -0.02 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

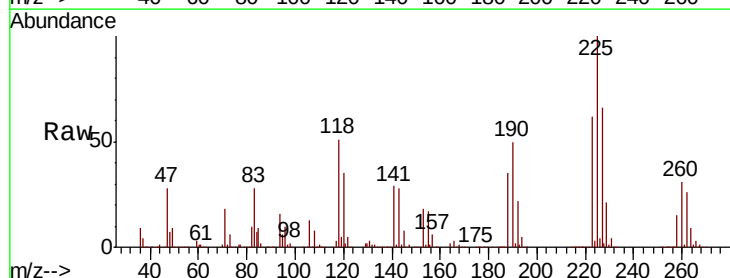
Tgt Ion:225 Resp: 1402901

Ion Ratio Lower Upper

225 100

223 62.9 50.2 75.2

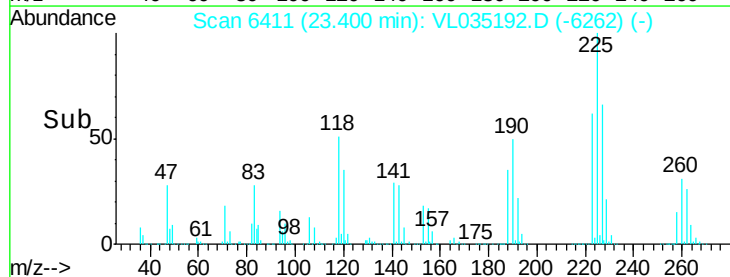
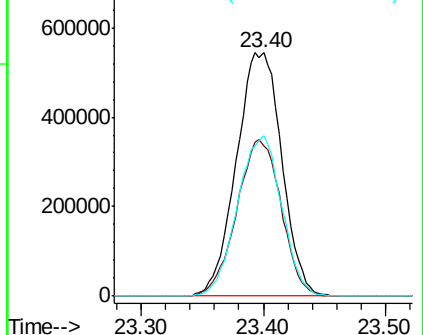
227 64.0 51.2 76.8

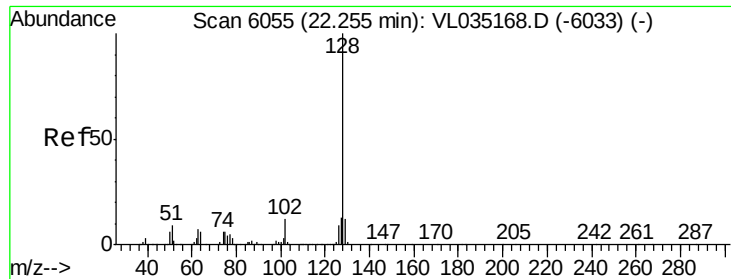


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

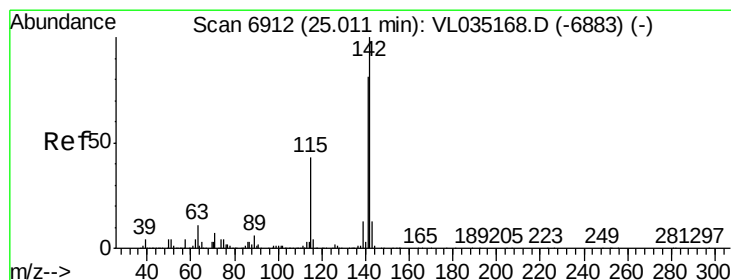
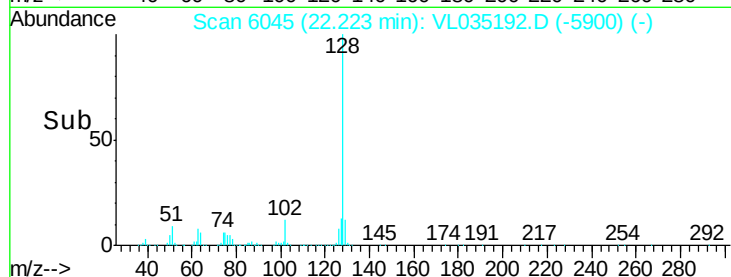
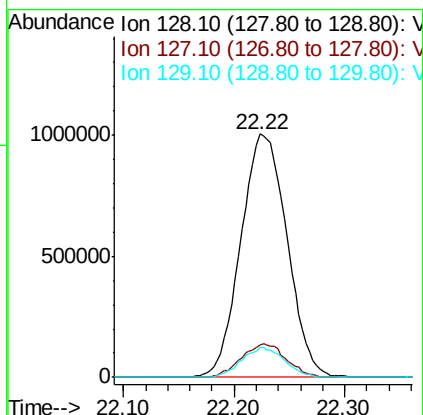
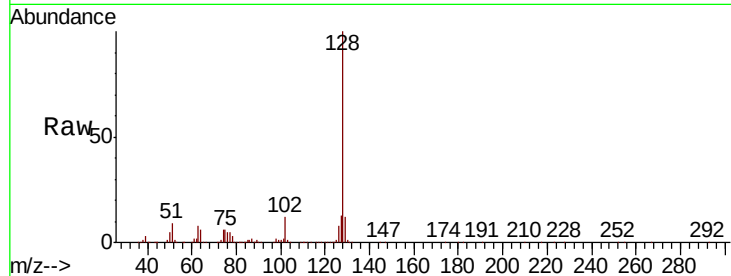




#79
Naphthalene
Concen: 10.486 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

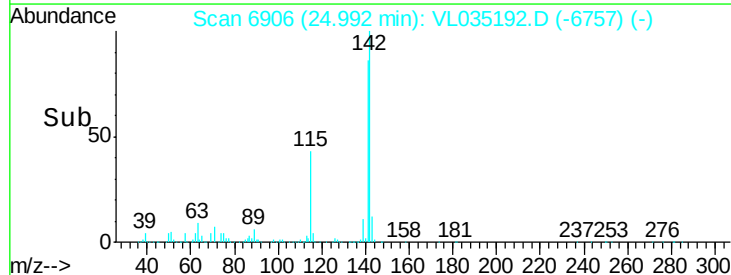
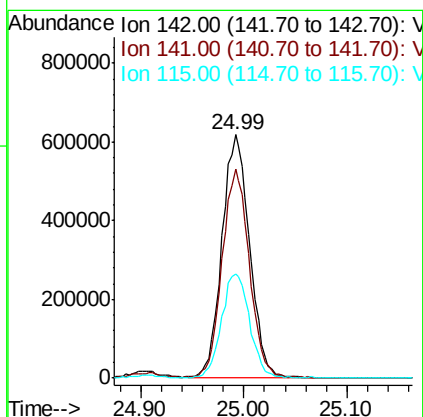
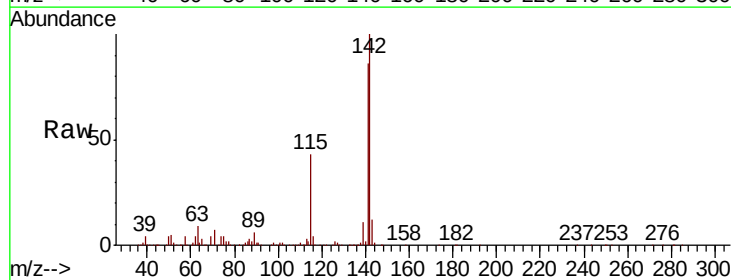
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

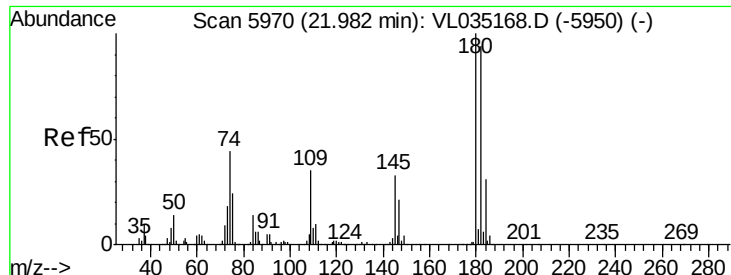
Tot Ion:128 Resp: 2905483
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 12.3 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 17.629 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

Tgt Ion:142 Resp: 1153877
Ion Ratio Lower Upper
142 100
141 85.1 68.2 102.4
115 44.0 34.4 51.6

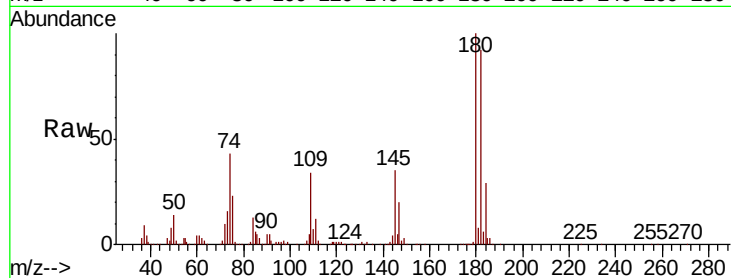




#81
 1,2,4-Trichlorobenzene
 Concen: 9.173 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	30.4	25.0	37.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

