

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 06:00:31 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	3023833m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2357185	9.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds

					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

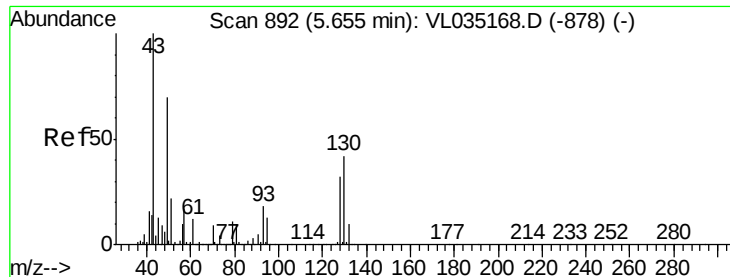
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035192.D
 Acq On : 16 Jul 2020 13:52
 Operator : SY/AP
 Sample : VL0716ABS01
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Quant Time: Jul 17 06:00:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
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Internal 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	9.293	ppbv #	93
57) Chlorobenzene	12.15	112	2072668	9.300	ppbv	96
58) Ethyl Benzene	12.72	91	3610823	10.804	ppbv	98
59) m/p-Xylene	13.00	91	5972730m	20.051	ppbv	
60) o-Xylene	13.70	91	2965321	9.978	ppbv	99
61) Styrene	13.54	104	2146219	11.687	ppbv	99
62) Isopropylbenzene	14.68	105	4415649	10.024	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2106367	8.482	ppbv	98
64) n-propylbenzene	15.57	120	1149642	10.103	ppbv	100
65) tert-Butylbenzene	16.76	119	3902449	9.864	ppbv	99
66) Benzyl Chloride	17.01	91	1540058	10.926	ppbv	100
67) sec-Butylbenzene	17.31	105	5516784	9.565	ppbv	99
69) p-Isopropyltoluene	17.67	119	4579458	10.130	ppbv	99
70) n-Butylbenzene	18.57	91	4719954	9.847	ppbv	99
71) 2-Chlorotoluene	15.46	91	3379345	10.138	ppbv	99
72) 4-Ethyltoluene	15.85	105	3498440	10.447	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3265255	10.112	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	3401577	9.532	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	1938196	8.576	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1929090	9.185	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1848473	9.085	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1402901	8.725	ppbv	100
79) Naphthalene	22.22	128	2905483	12.582	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1153877	21.154	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1610259	11.007	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

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VL0716ABS01

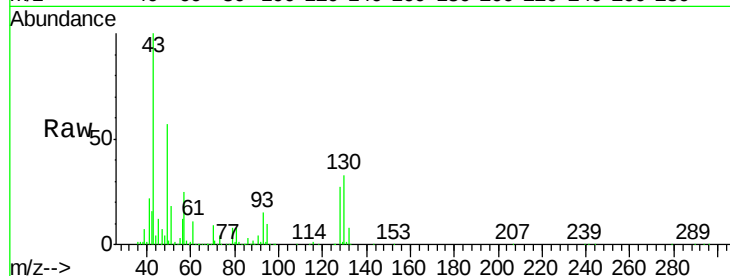
Tot Ion: 49 Resp: 1298993

Ion Ratio Lower Upper

49 100

128 47.6 23.8 71.4

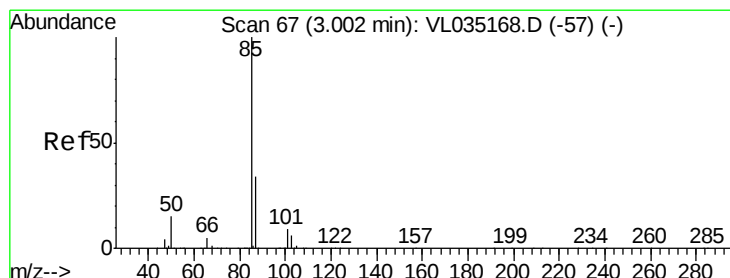
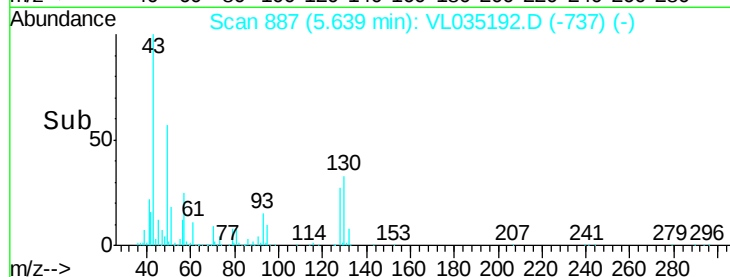
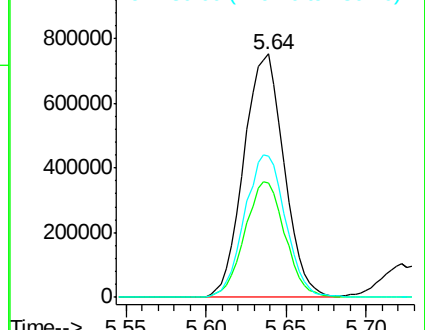
130 59.9 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.679 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035192.D

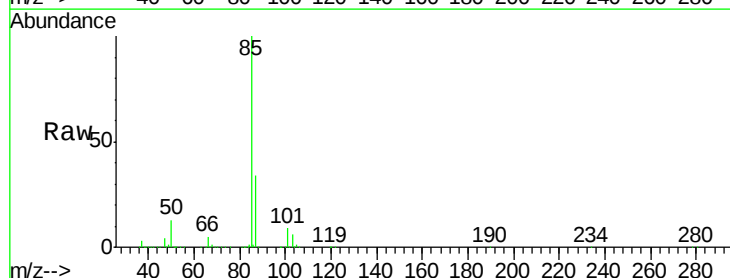
Acq: 16 Jul 2020 13:52

Tgt Ion: 85 Resp: 1397989

Ion Ratio Lower Upper

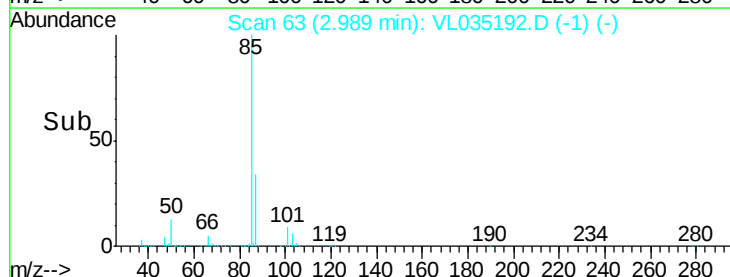
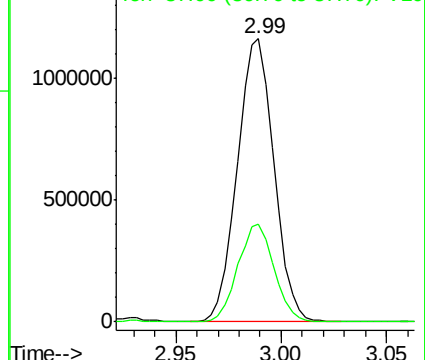
85 100

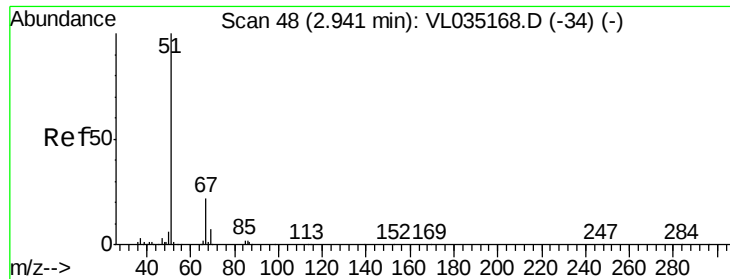
87 34.5 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#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 :

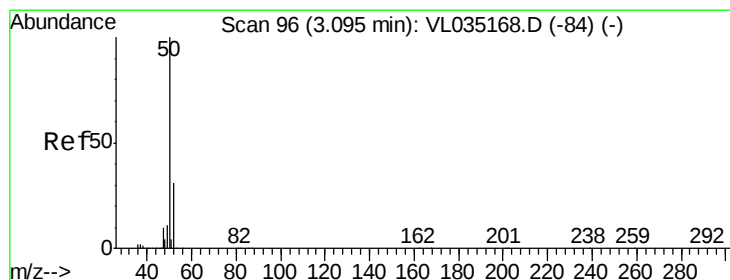
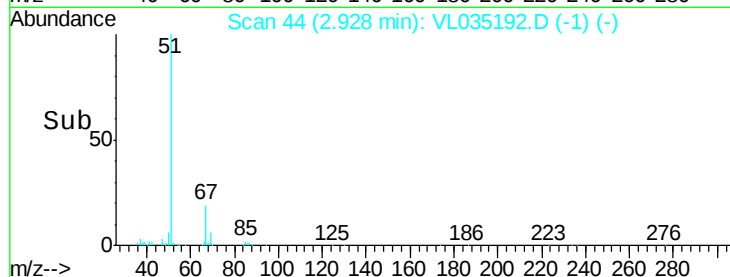
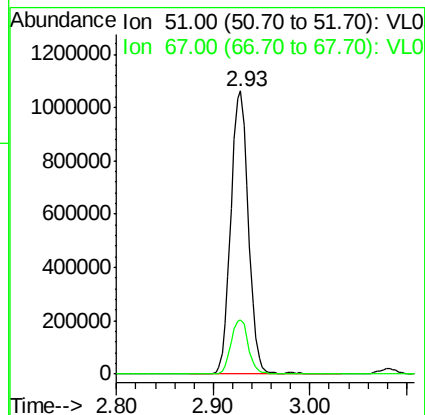
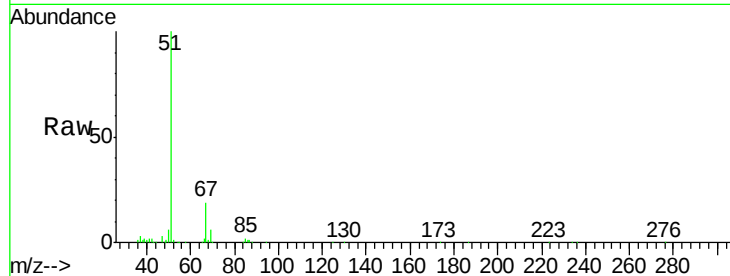
VL0716ABS01

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

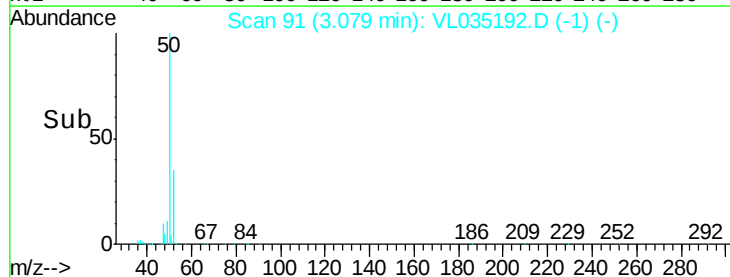
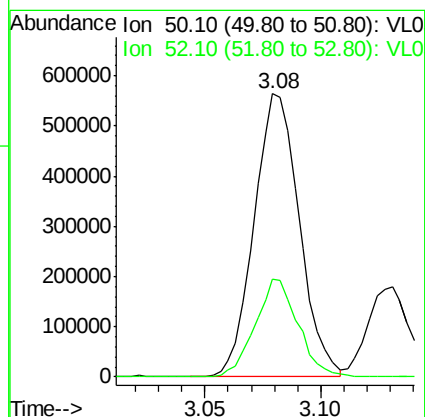
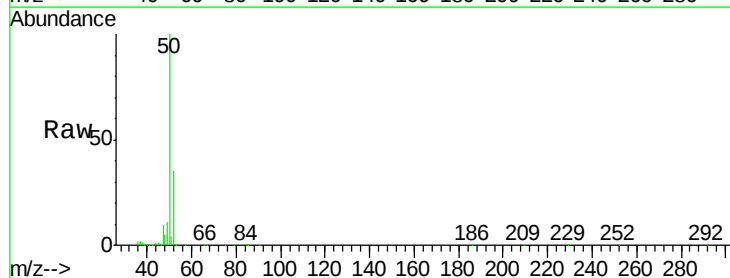
Acq: 16 Jul 2020 13:52

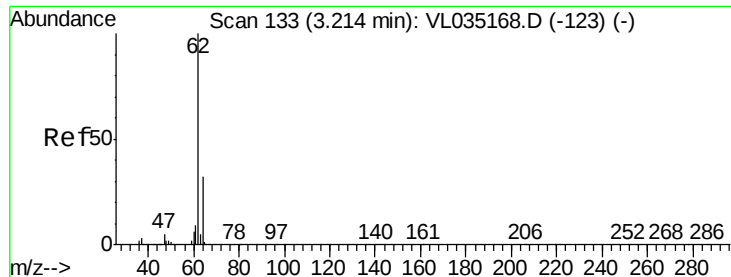
Tgt Ion: 50 Resp: 766349

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 :

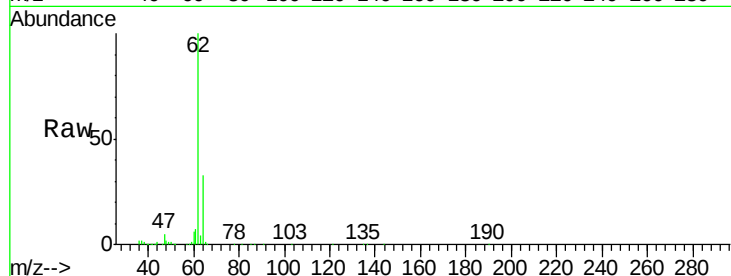
VL0716ABS01

Tot Ion: 62 Resp: 739075

Ion Ratio Lower Upper

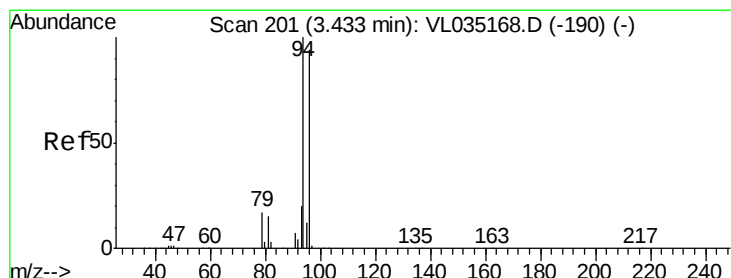
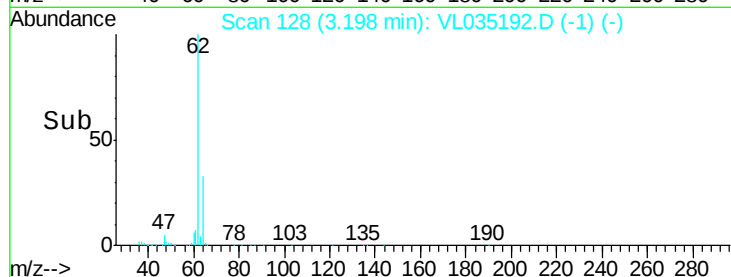
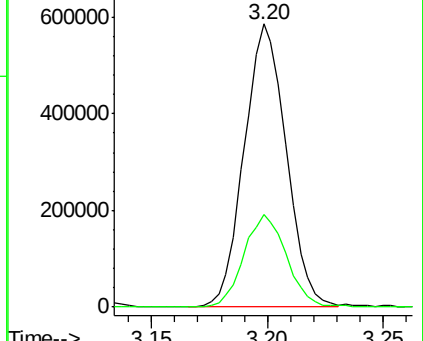
62 100

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

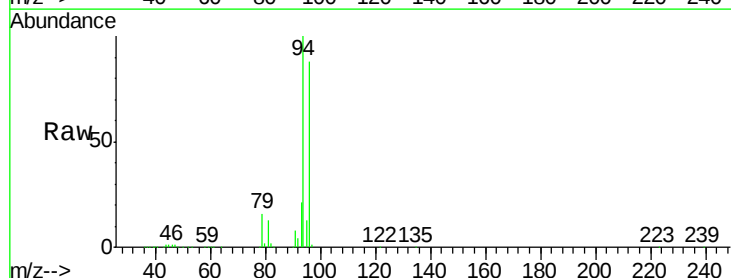
Acq: 16 Jul 2020 13:52

Tgt Ion: 94 Resp: 462332

Ion Ratio Lower Upper

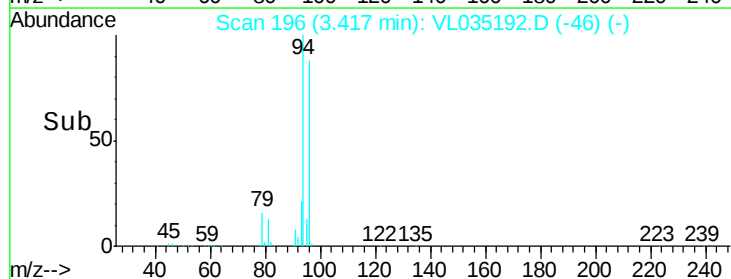
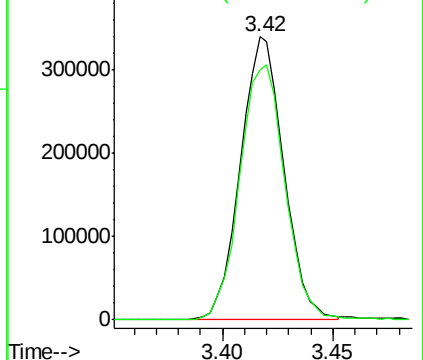
94 100

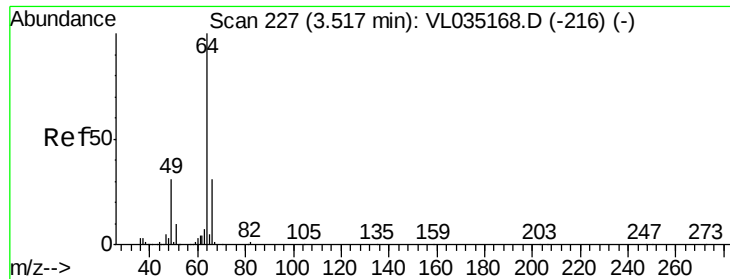
96 88.3 74.8 112.2



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 :

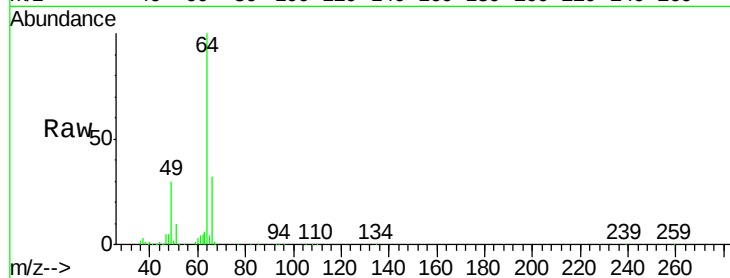
VL0716ABS01

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

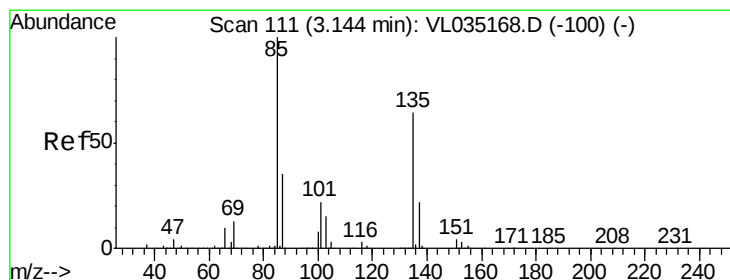
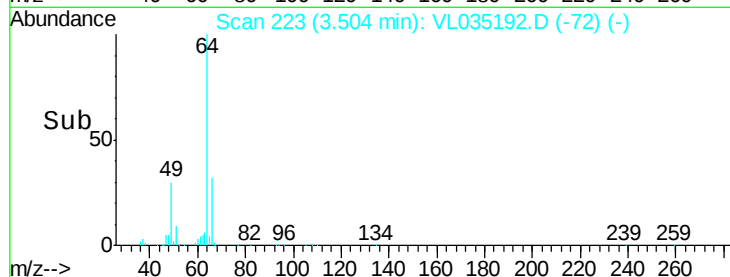
150000

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

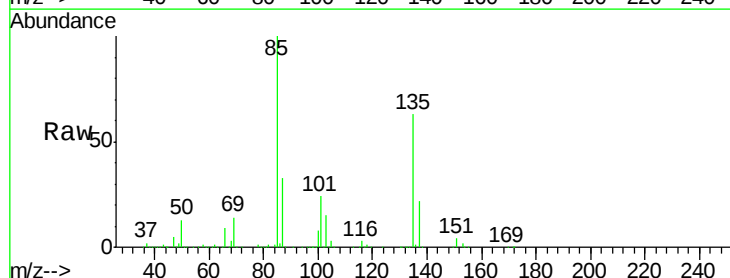
Acq: 16 Jul 2020 13:52

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

3.13

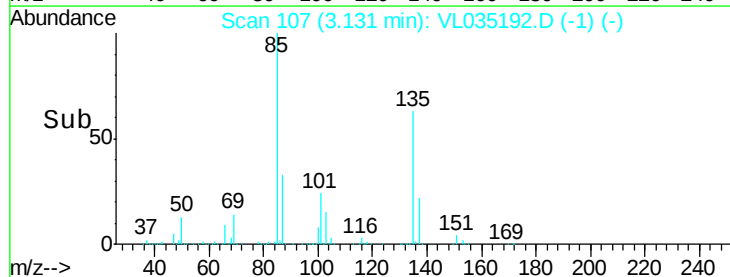
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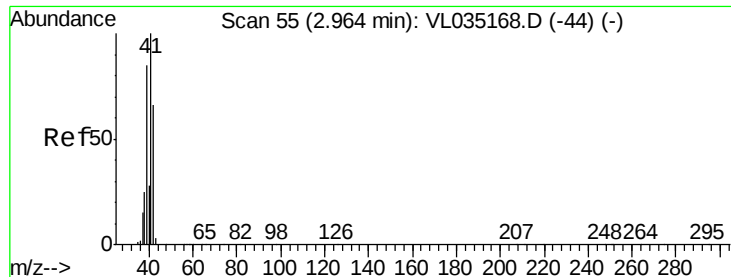
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Time-->





#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

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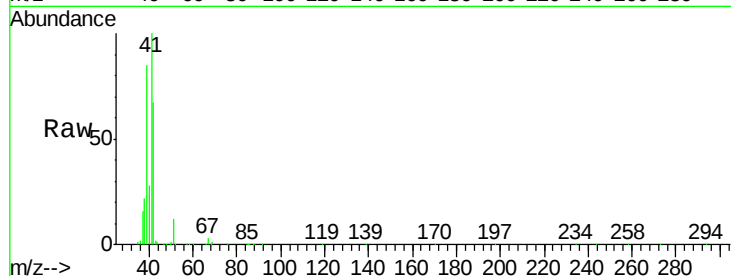
VL0716ABS01

Tot Ion: 41 Resp: 581221

Ion Ratio Lower Upper

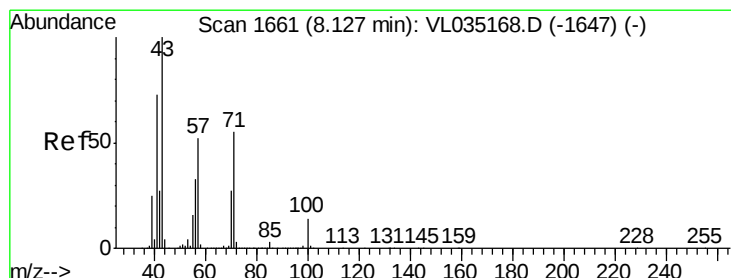
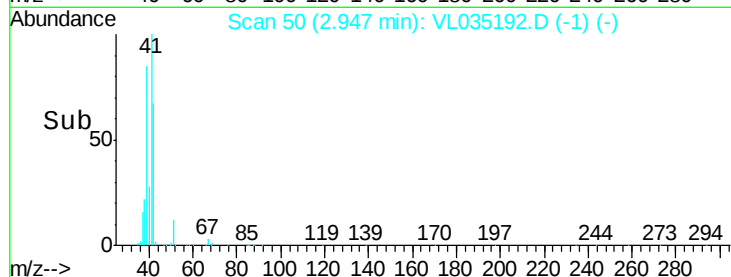
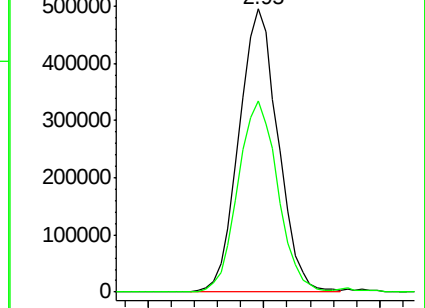
41 100

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

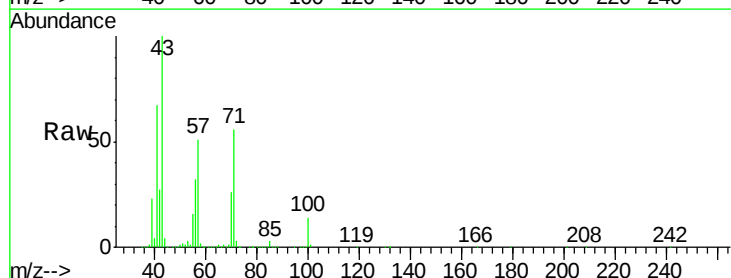
Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 1481007

Ion Ratio Lower Upper

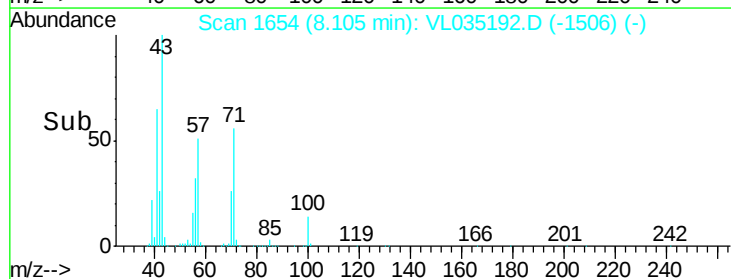
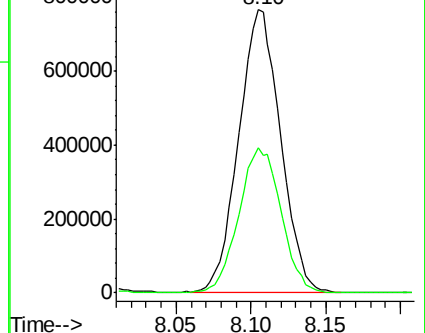
43 100

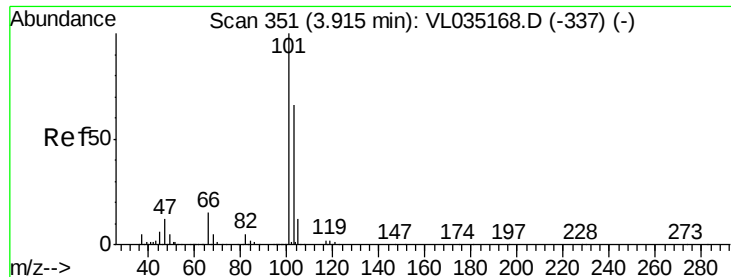
57 52.3 41.8 62.6



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 :

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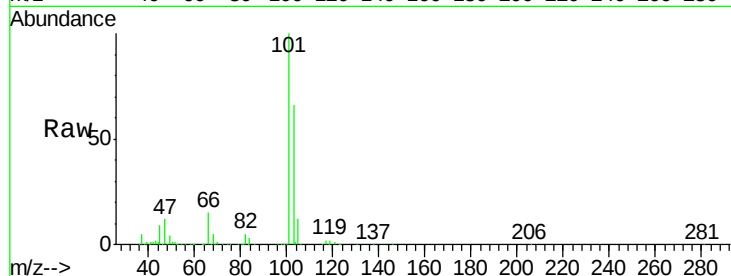
VL0716ABS01

Tot Ion:101 Resp: 1749785

Ion Ratio Lower Upper

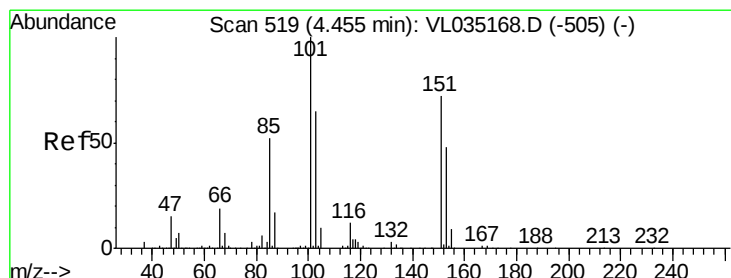
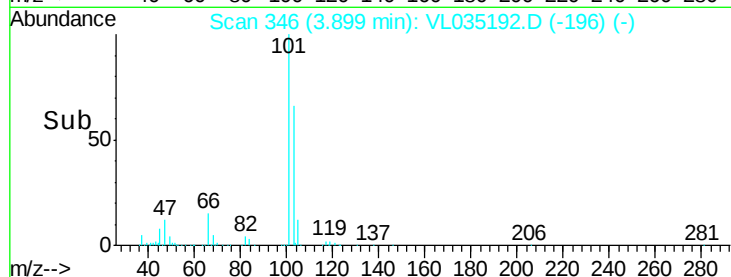
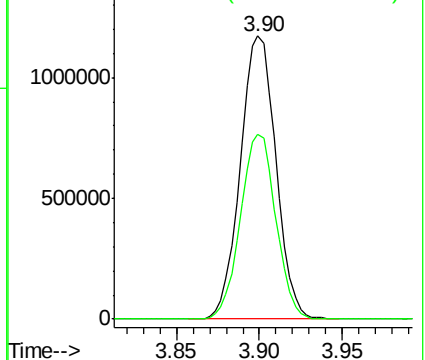
101 100

103 65.5 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#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

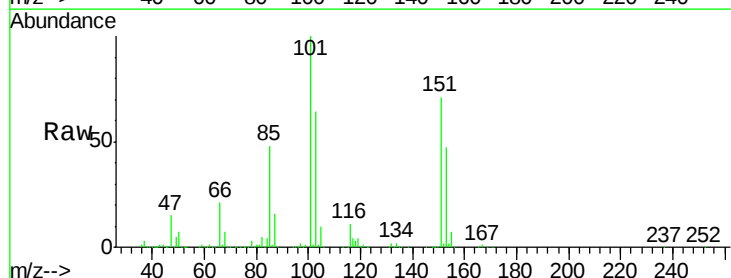
Acq: 16 Jul 2020 13:52

Tgt Ion:101 Resp: 1217923

Ion Ratio Lower Upper

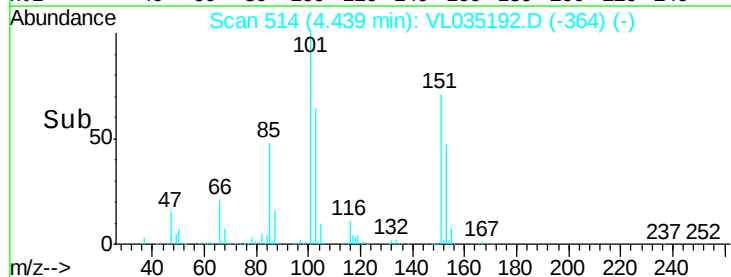
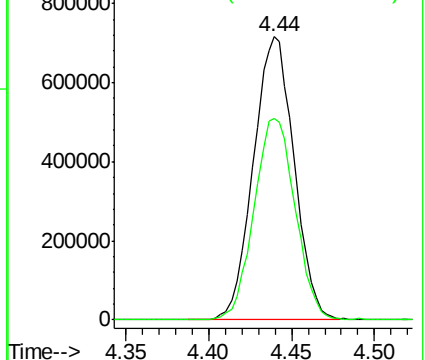
101 100

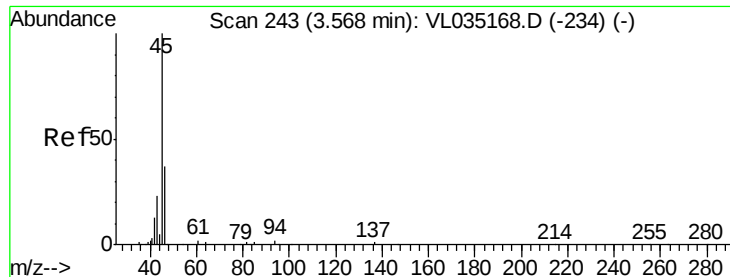
151 72.2 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#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 :

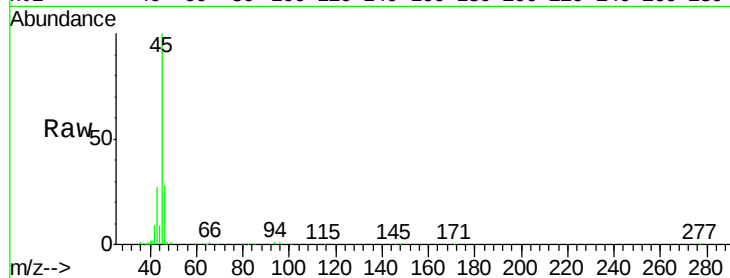
VL0716ABS01

Tot Ion: 45 Resp: 142860

Ion Ratio Lower Upper

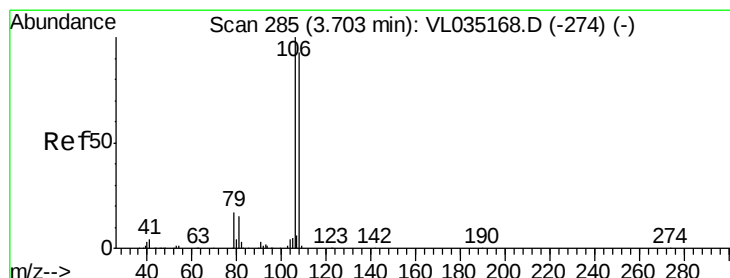
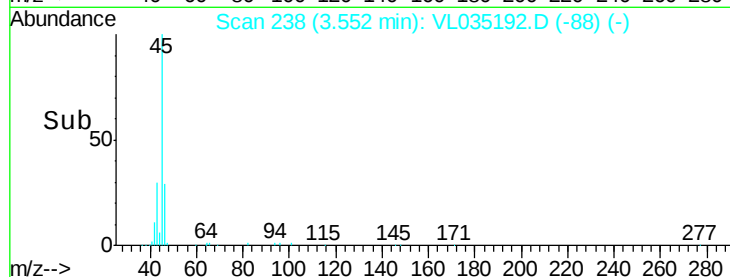
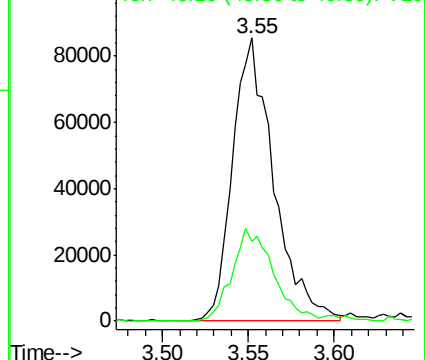
45 100

46 33.8 16.2 65.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#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

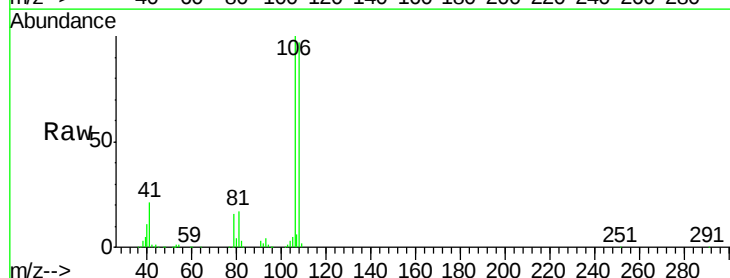
Tgt Ion: 108 Resp: 567083

Ion Ratio Lower Upper

108 100

106 105.1 86.2 129.2

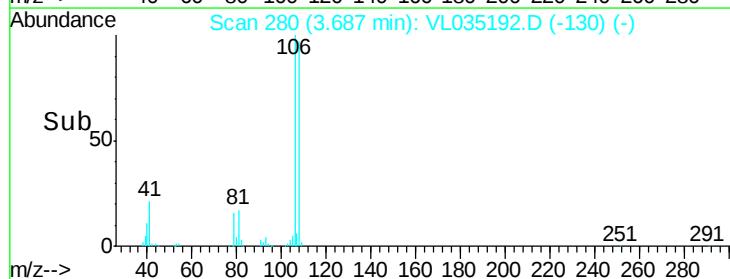
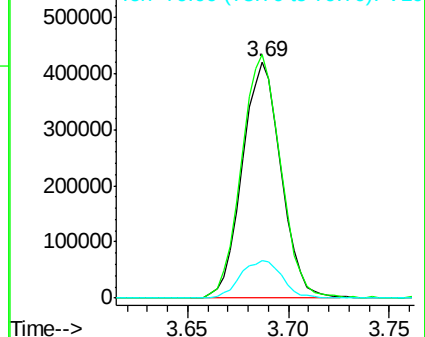
79 17.7 15.0 22.6

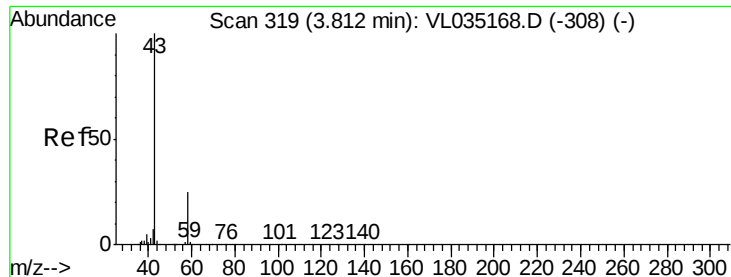


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#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 :

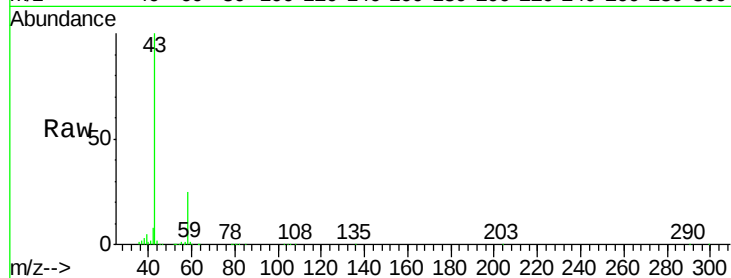
VL0716ABS01

Tot Ion: 43 Resp: 1390559

Ion Ratio Lower Upper

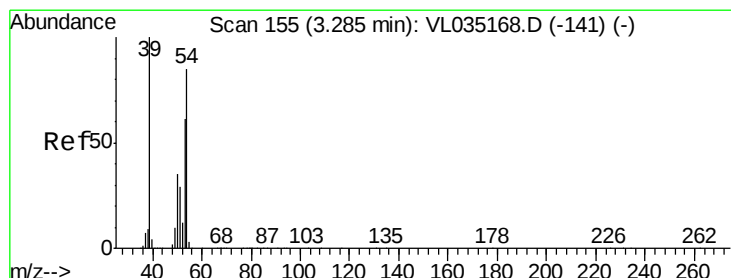
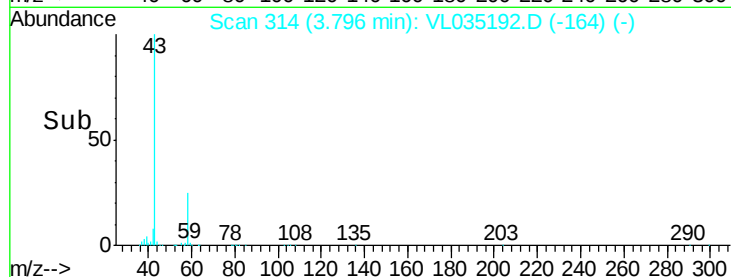
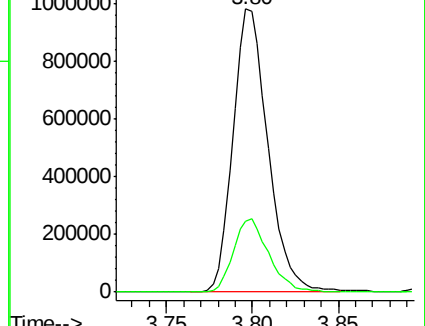
43 100

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

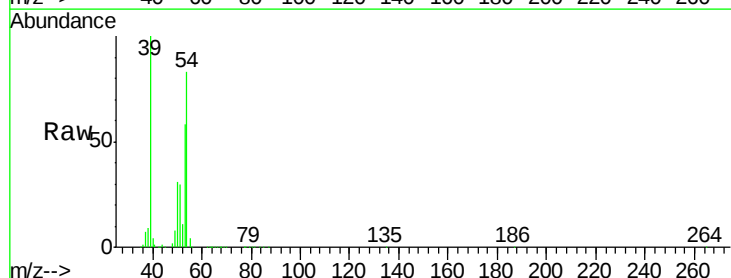
Acq: 16 Jul 2020 13:52

Tgt Ion: 39 Resp: 693534

Ion Ratio Lower Upper

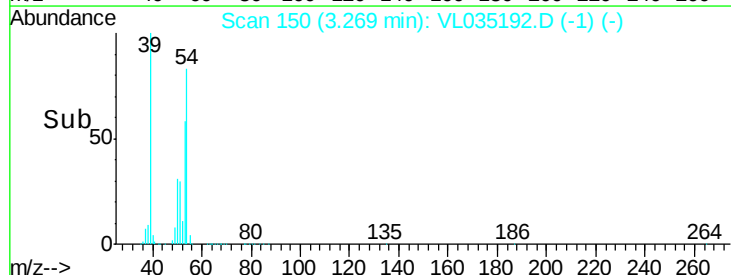
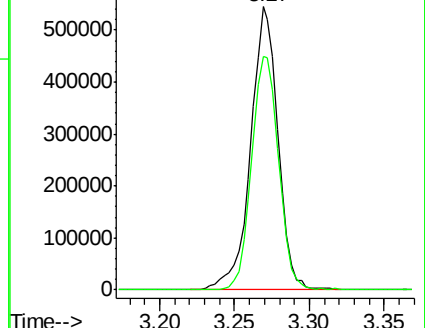
39 100

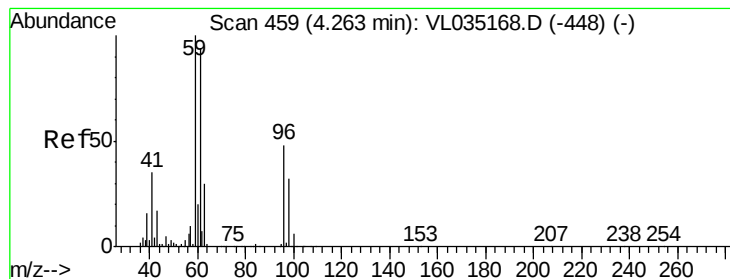
54 81.8 67.2 100.8



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

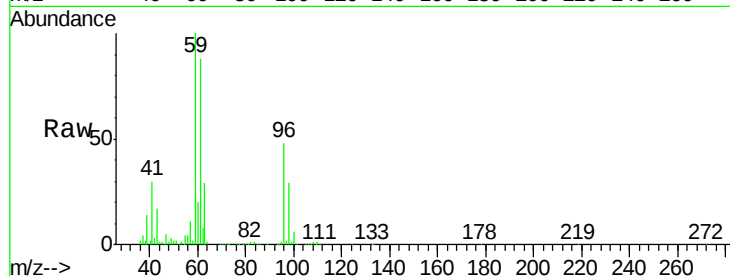
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

Tot Ion: 59 Resp: 1558520

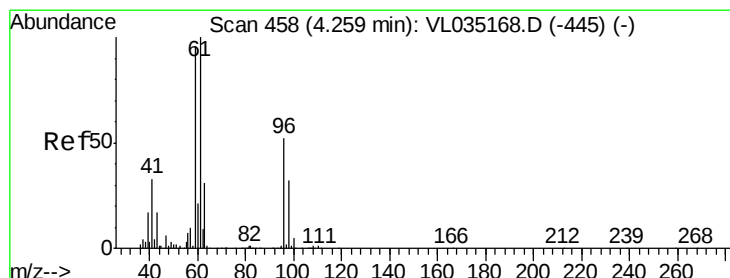
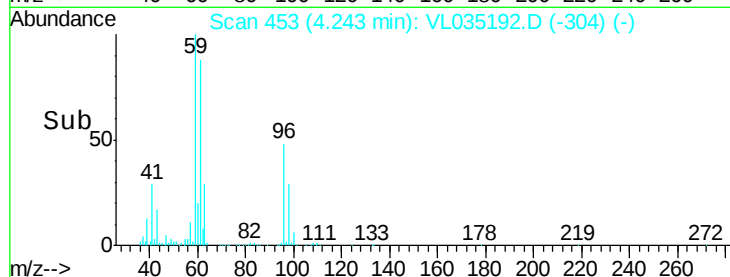
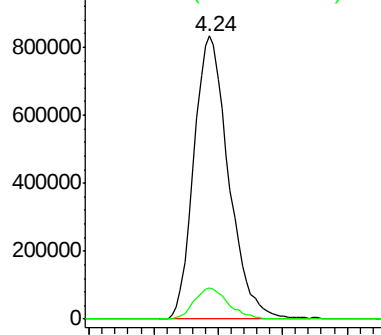
Ion Ratio Lower Upper

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

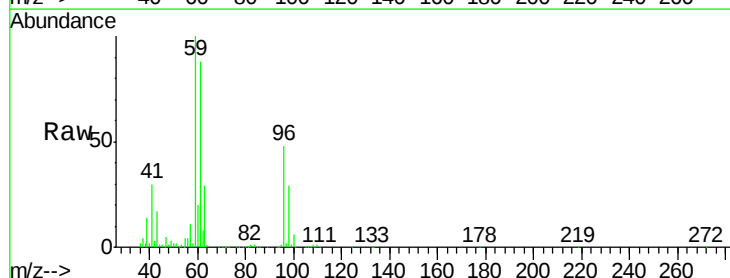
Tgt Ion: 96 Resp: 577673

Ion Ratio Lower Upper

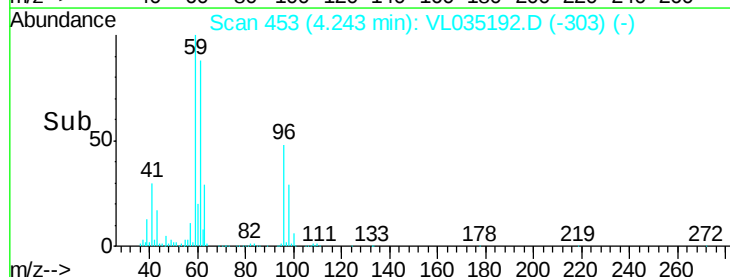
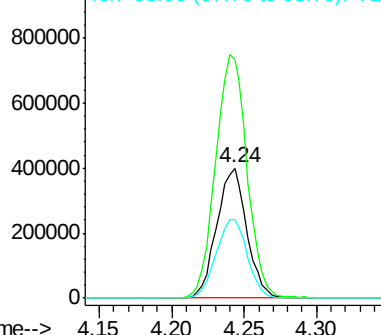
96 100

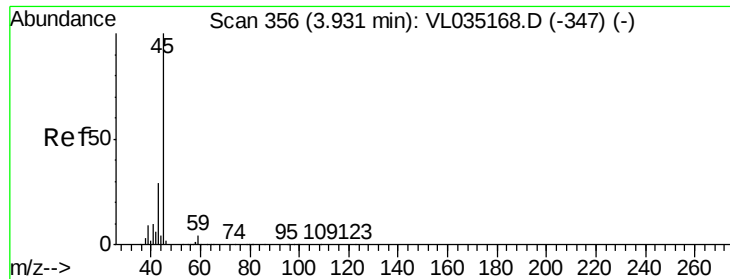
61 183.4 152.9 229.3

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 :

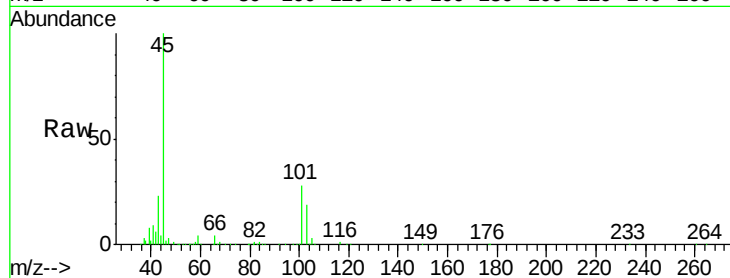
VL0716ABS01

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

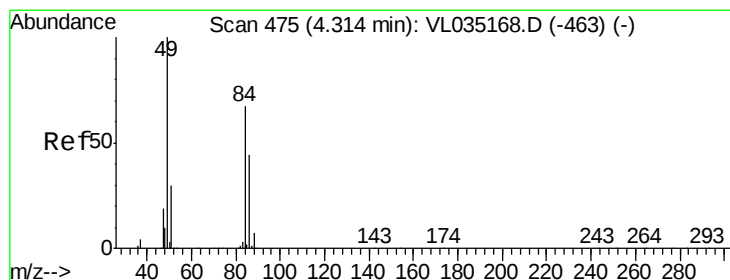
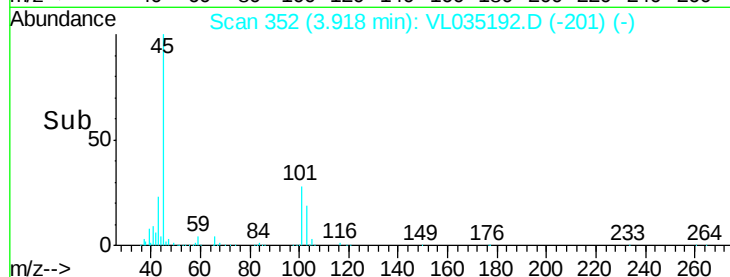
400000

200000

0

3.85 3.90 3.95 4.00

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

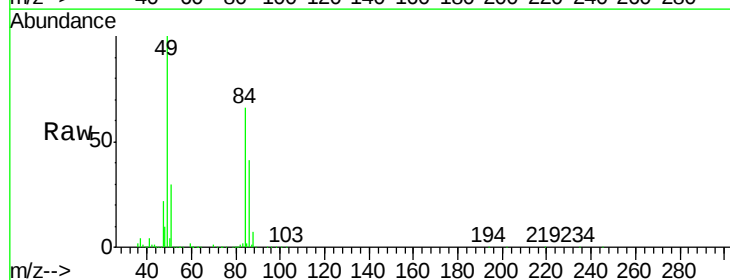
Ion Ratio Lower Upper

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

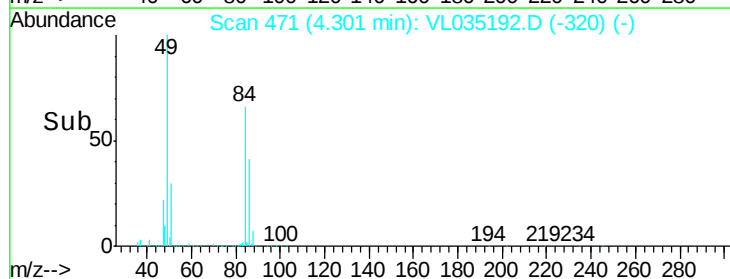
400000

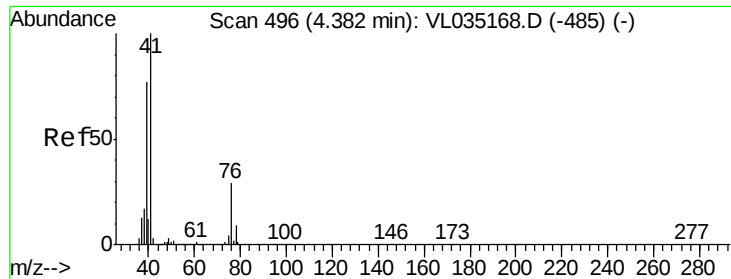
200000

0

4.25 4.30 4.35

Time-->

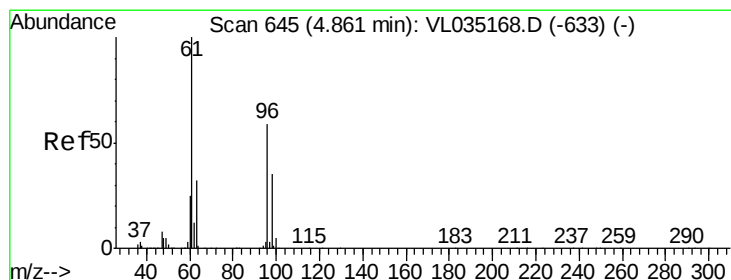
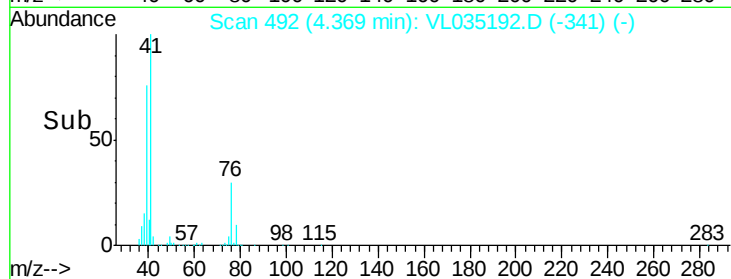
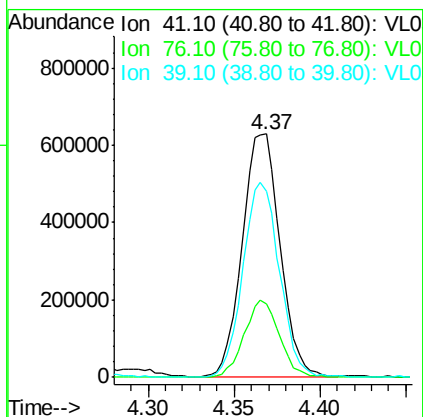
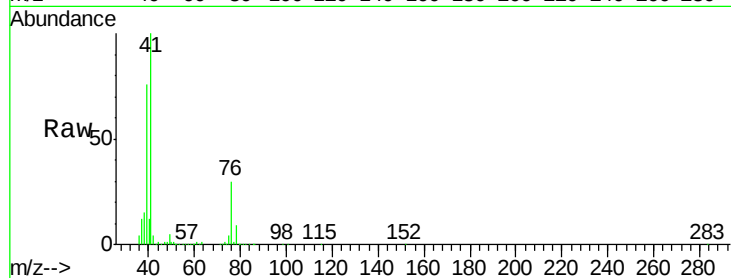




#21
Allvl Chloride
Concen: 9.345 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.01 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

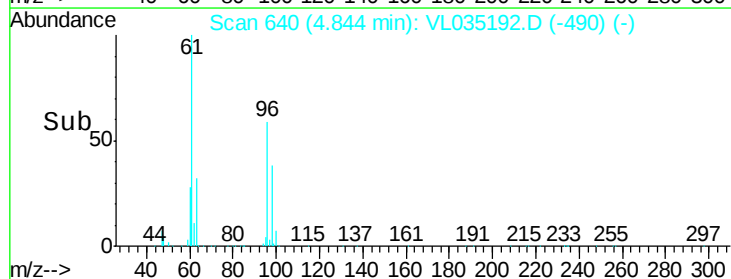
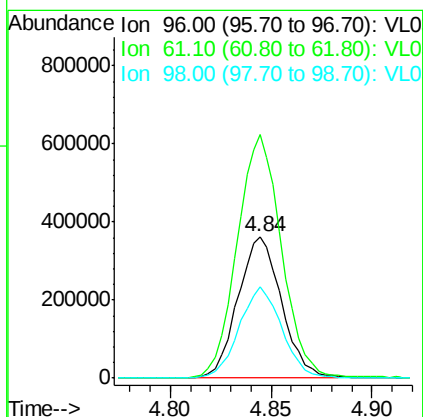
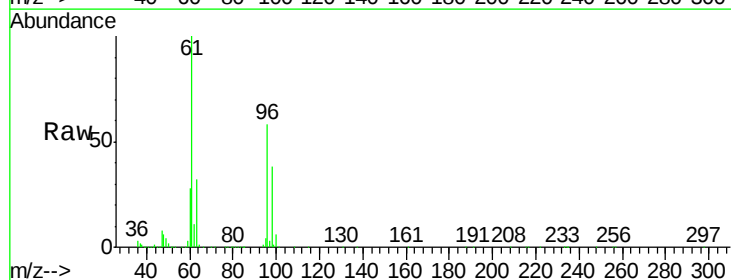
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

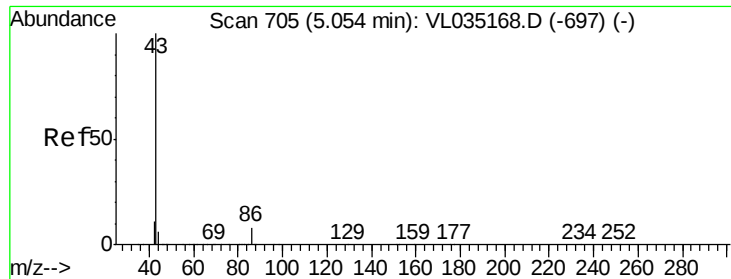
Tot Ion: 41 Resp: 956582
Ion Ratio Lower Upper
41 100
76 29.7 23.5 35.3
39 77.6 63.4 95.0



#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



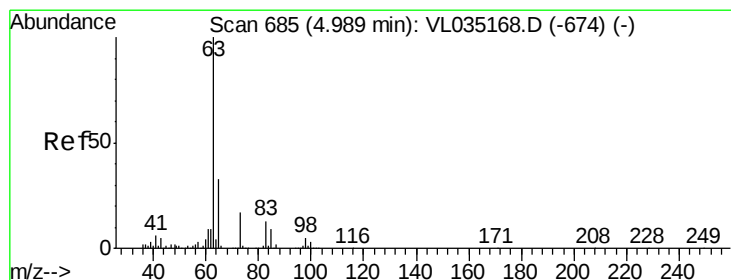
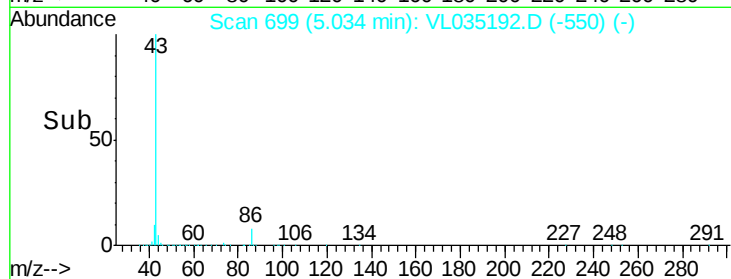
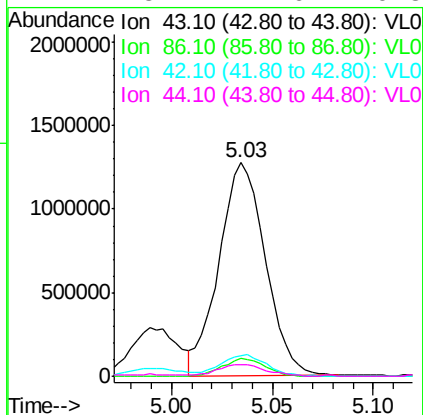
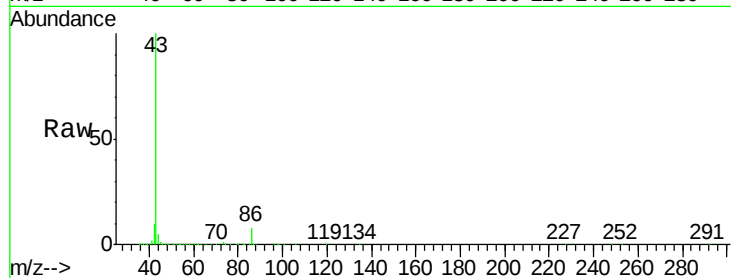


#23
 Vinyl Acetate
 Concen: 10.703 ppbv
 RT: 5.03 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

Tot Ion: 43 Resp: 2037431

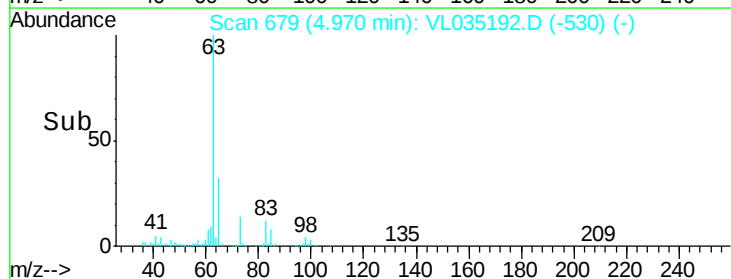
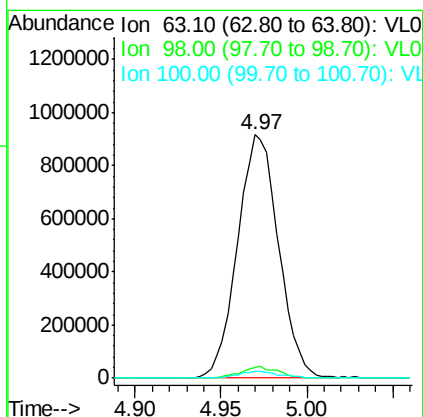
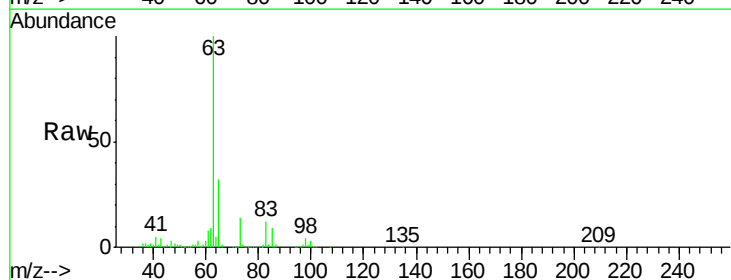
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.8	9.1	13.7
44	5.2	4.6	6.8

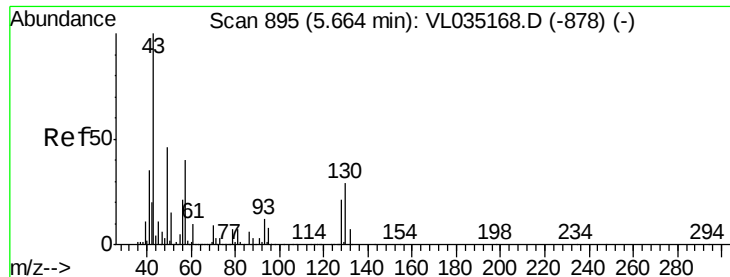


#24
 1,1-Dichloroethane
 Concen: 9.250 ppbv
 RT: 4.97 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

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





#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 :

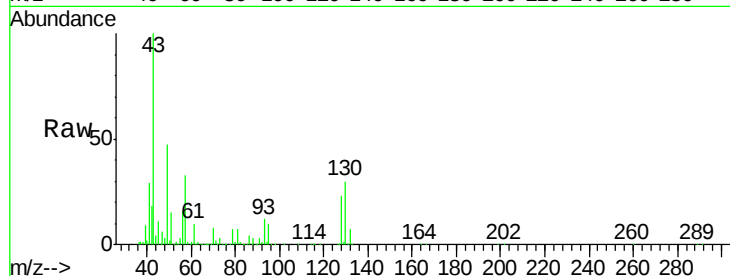
MSVOA_L

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

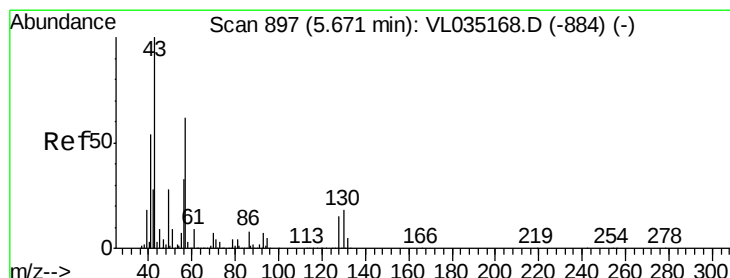
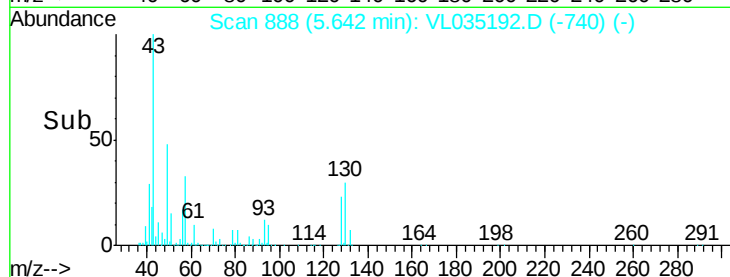
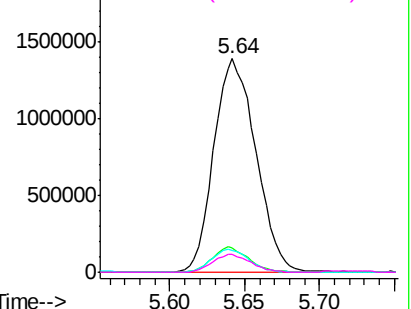


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

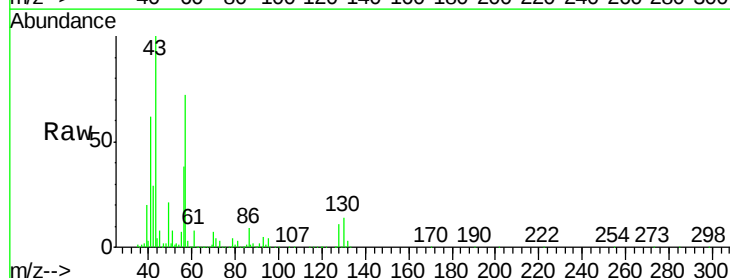
Delta R.T. -0.02 min

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

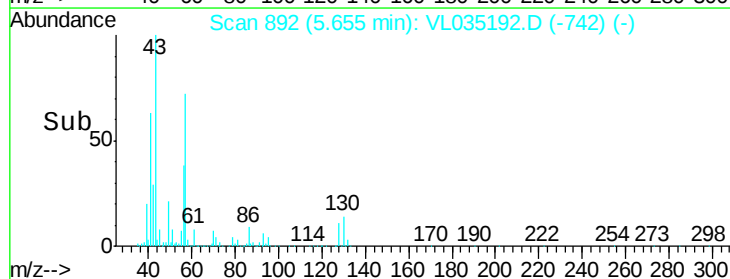
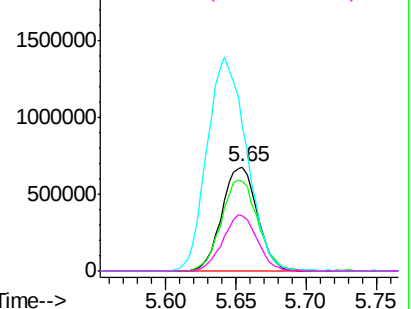


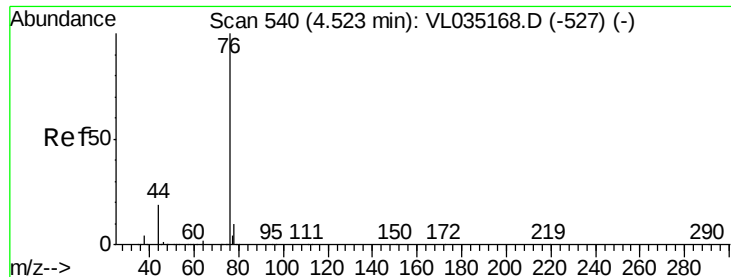
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

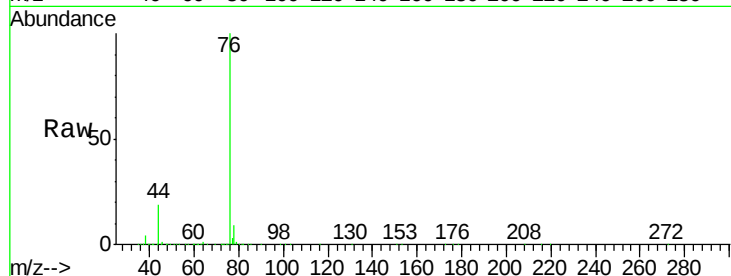
Tot Ion: 76 Resp: 1521123

Ion Ratio Lower Upper

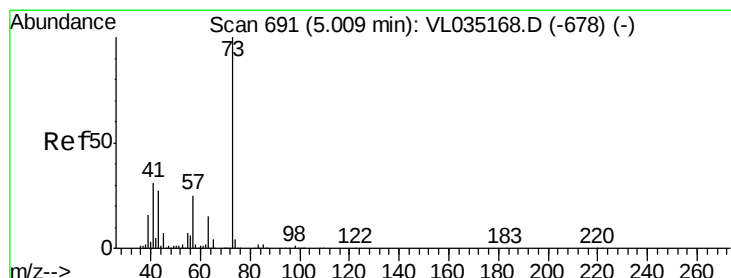
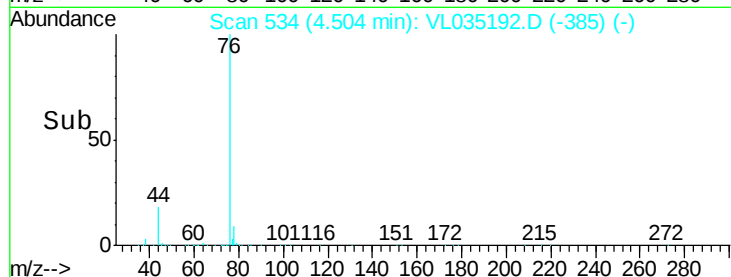
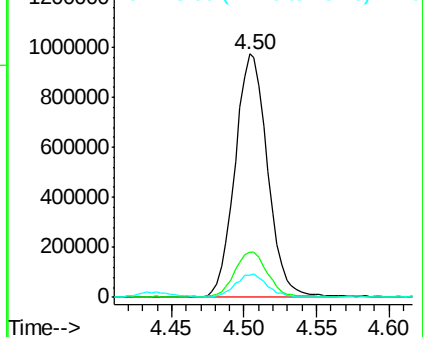
76 100

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

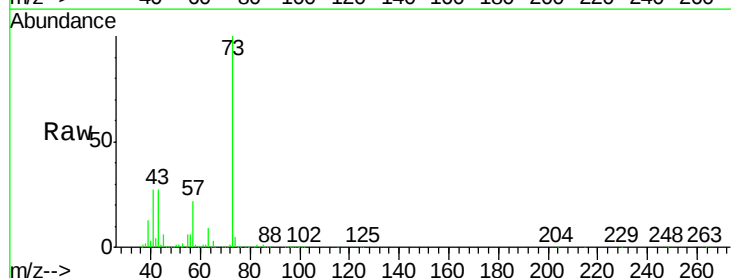
Acq: 16 Jul 2020 13:52

Tgt Ion: 73 Resp: 1899504

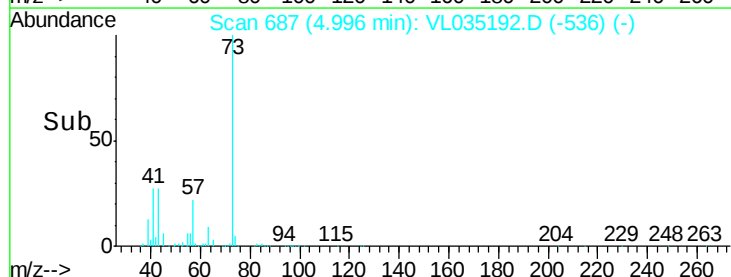
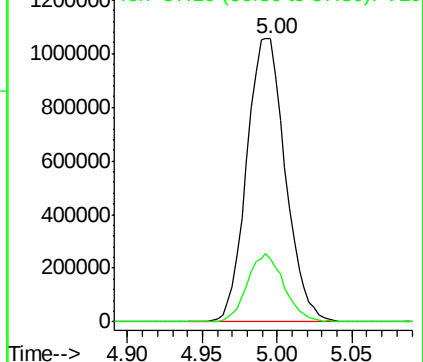
Ion Ratio Lower Upper

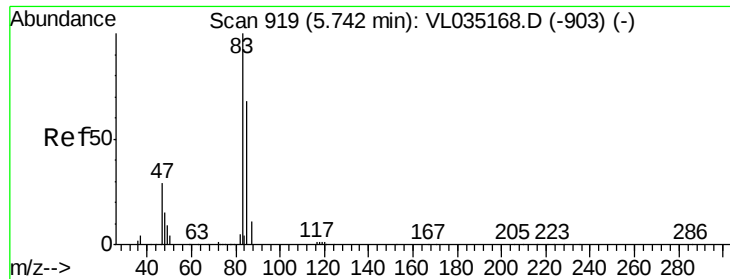
73 100

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 :

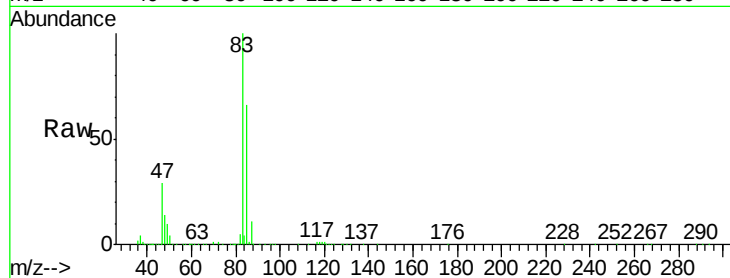
VL0716ABS01

Tot Ion: 83 Resp: 1848571

Ion Ratio Lower Upper

83 100

85 65.6 54.3 81.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1200000

1000000

800000

600000

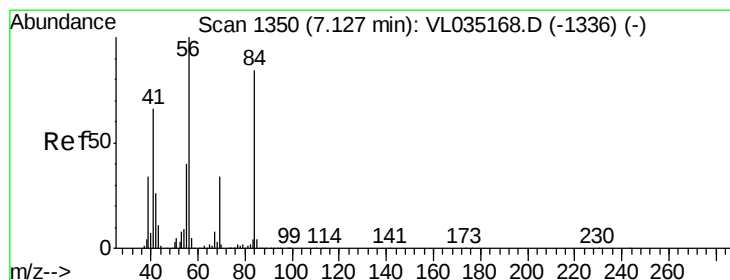
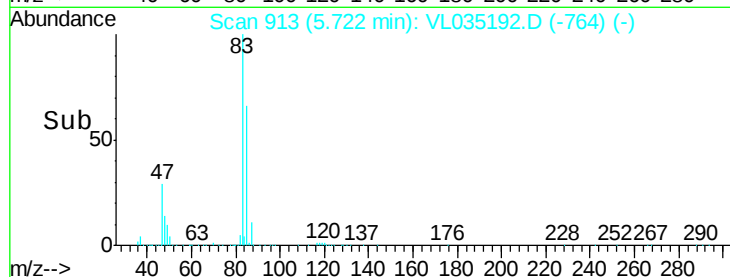
400000

200000

0

5.65 5.70 5.75 5.80

Time-->



#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

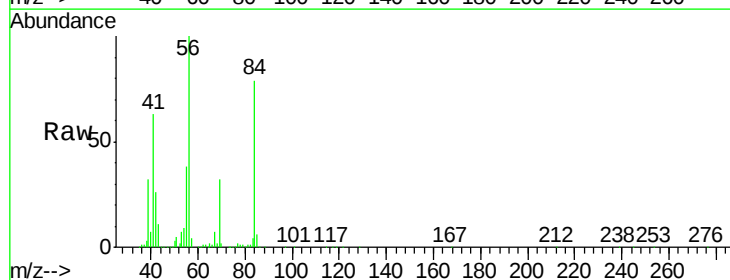
Tgt Ion: 84 Resp: 997227

Ion Ratio Lower Upper

84 100

56 134.1 105.6 158.4

41 79.9 64.9 97.3



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

600000

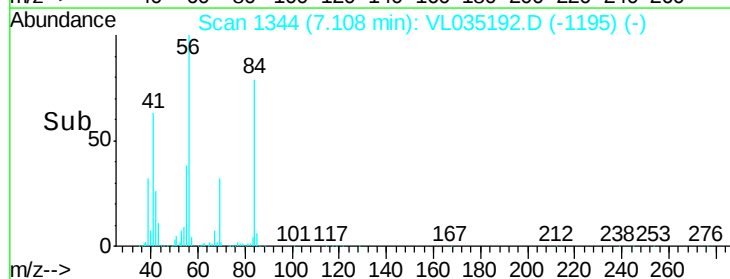
400000

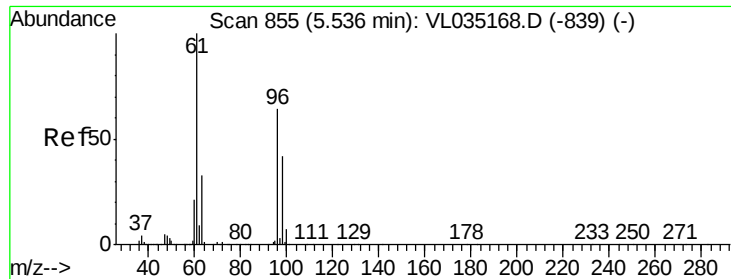
200000

0

7.05 7.10 7.15 7.20

Time-->





#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

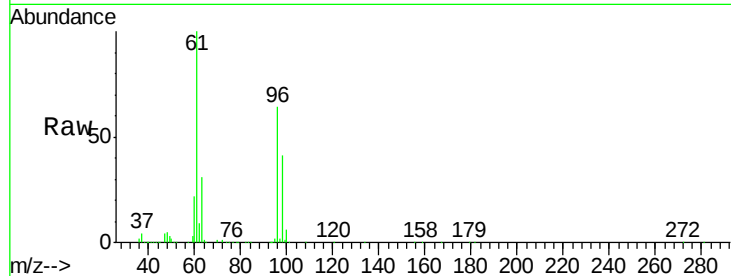
Tot Ion: 61 Resp: 1217197

Ion Ratio Lower Upper

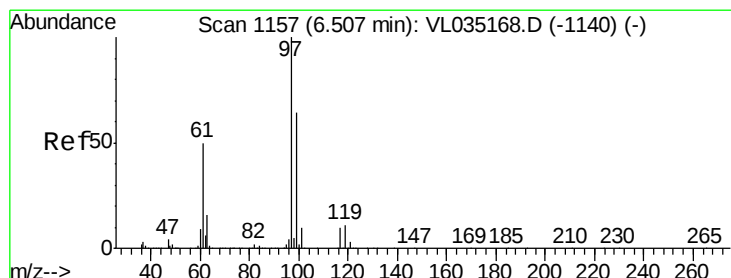
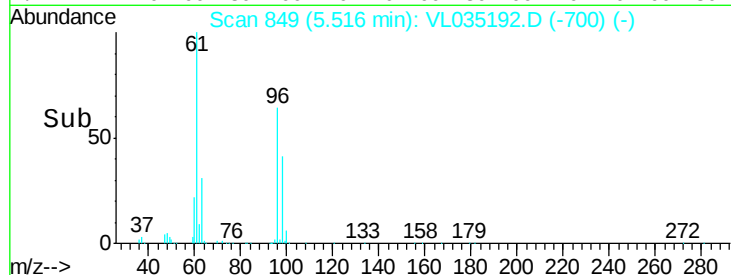
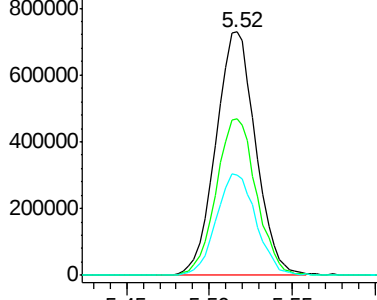
61 100

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

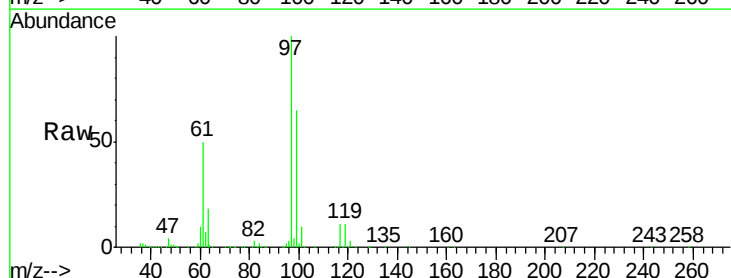
Tgt Ion: 97 Resp: 1845164

Ion Ratio Lower Upper

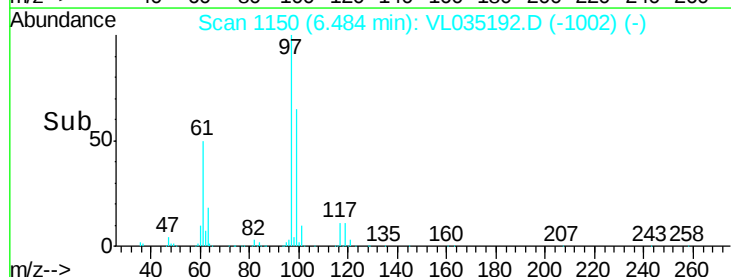
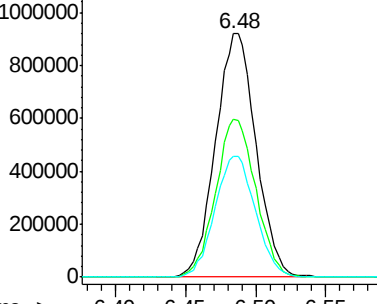
97 100

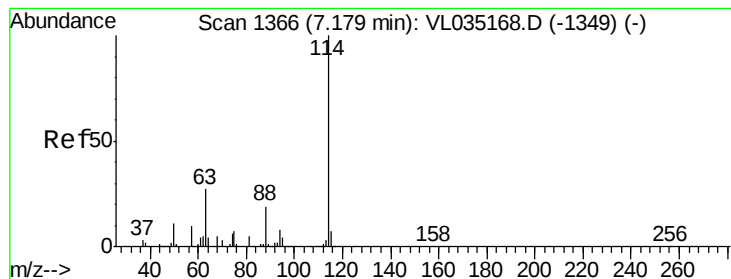
99 64.4 51.2 76.8

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

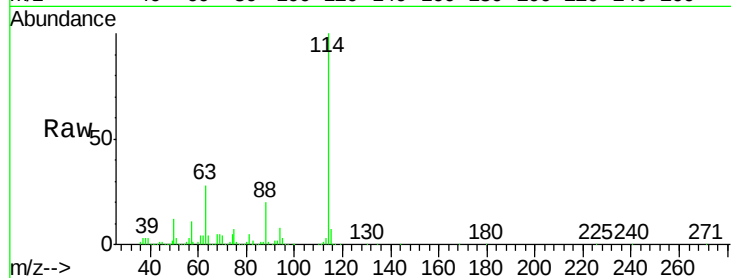
Tot Ion:114 Resp: 3101807

Ion Ratio Lower Upper

114 100

63 27.2 22.0 33.0

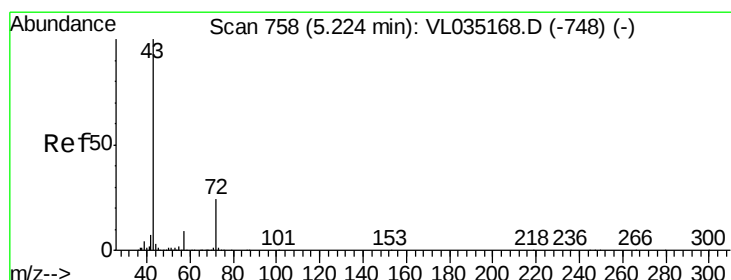
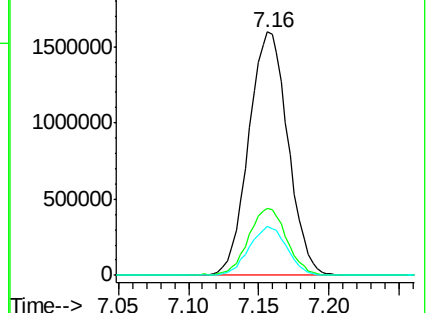
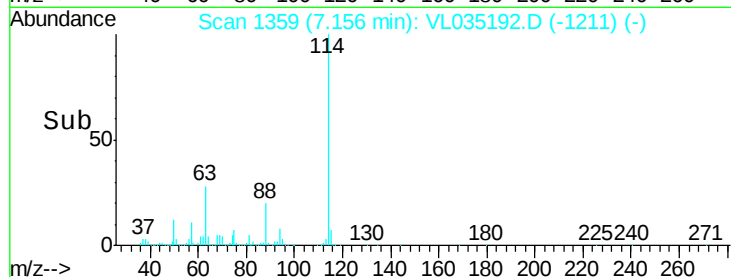
88 19.4 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.341 ppbv

RT: 5.20 min Scan# 752

Delta R.T. -0.02 min

Lab File: VL035192.D

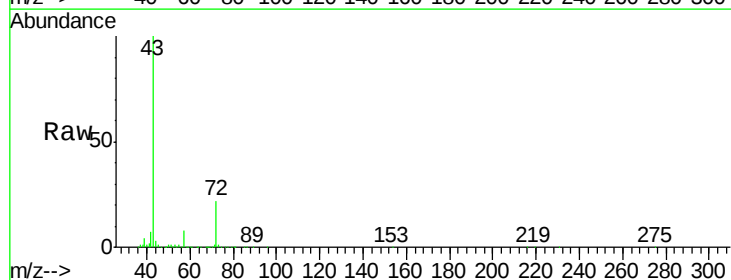
Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 1712106

Ion Ratio Lower Upper

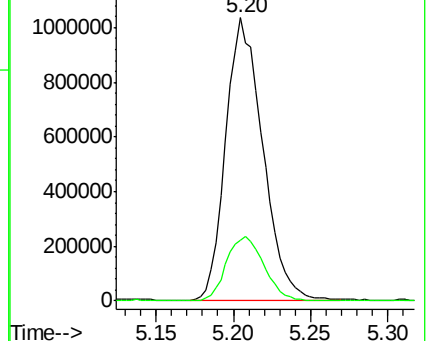
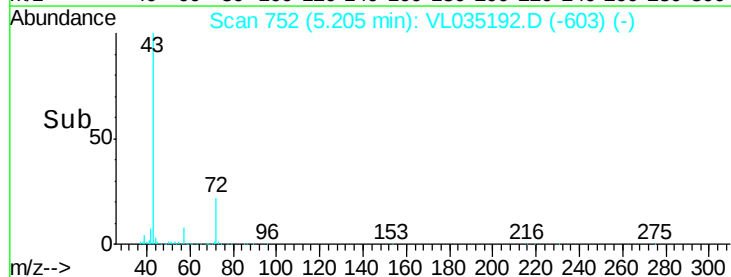
43 100

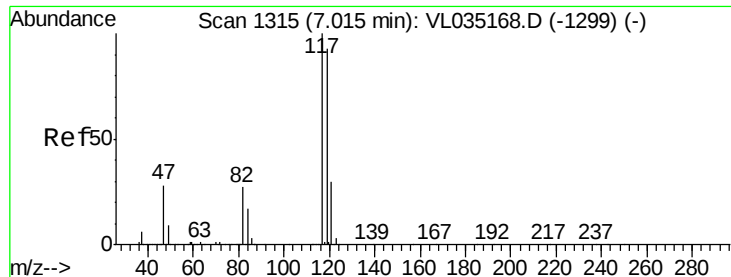
72 23.4 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#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

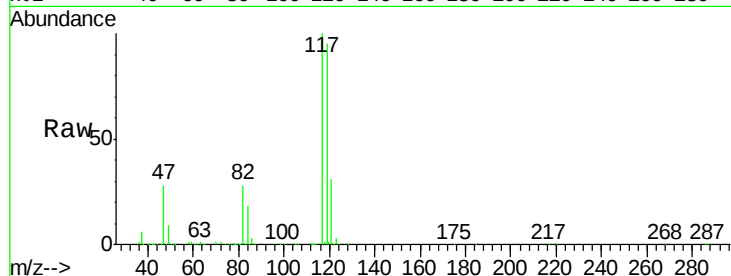
Tot Ion:117 Resp: 1867170

Ion Ratio Lower Upper

117 100

119 95.2 74.8 112.2

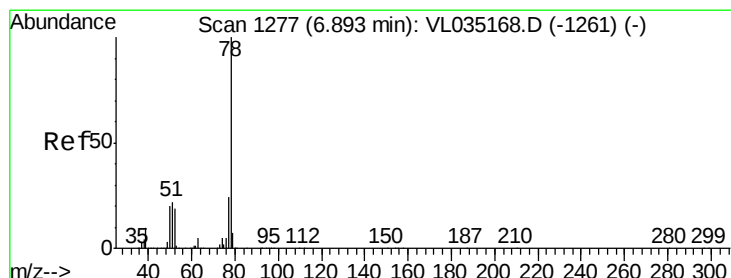
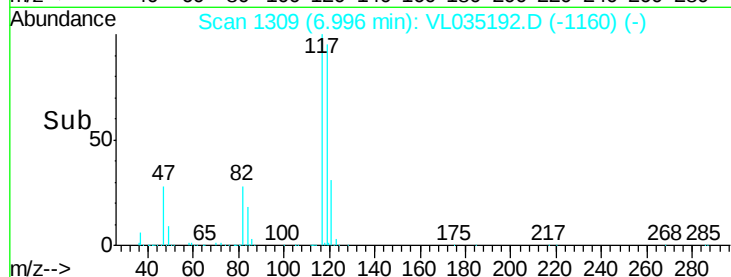
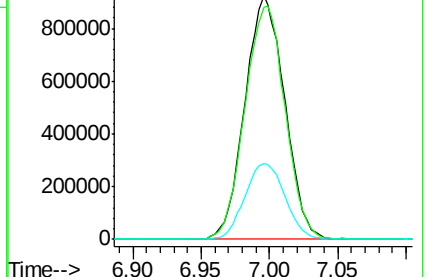
121 31.0 24.2 36.2



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

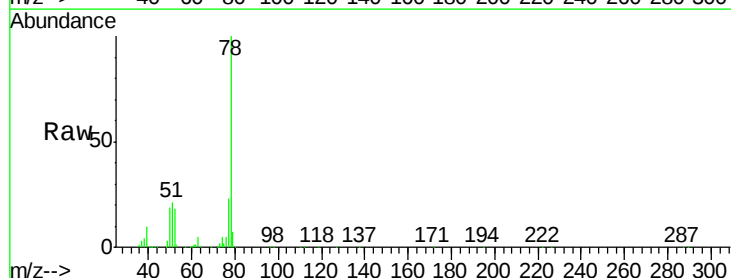
Tgt Ion: 78 Resp: 2368986

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

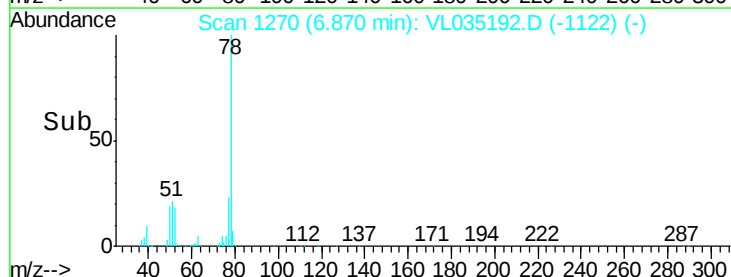
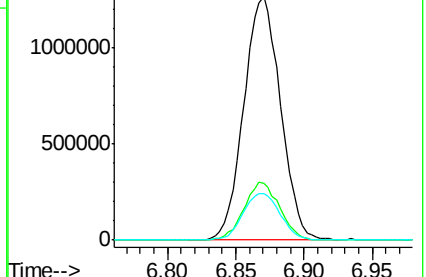
50 19.1 16.0 24.0

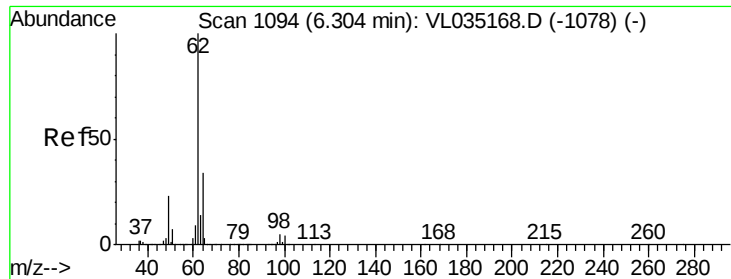


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

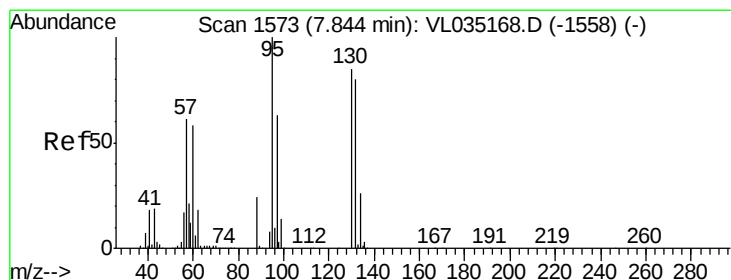
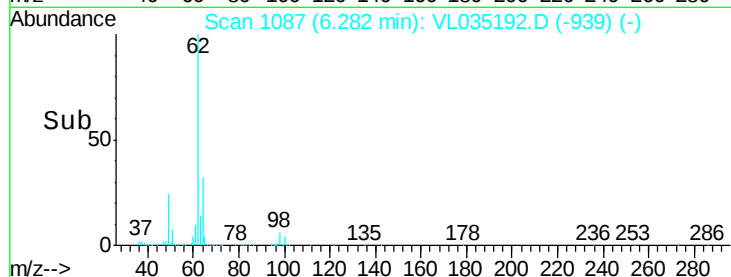
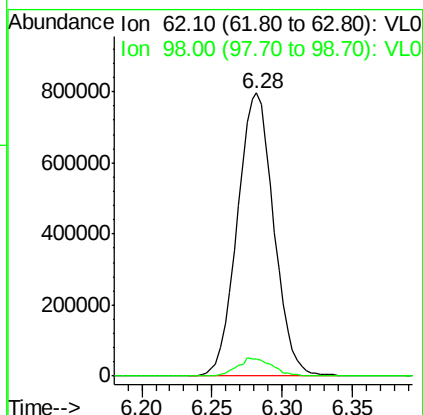
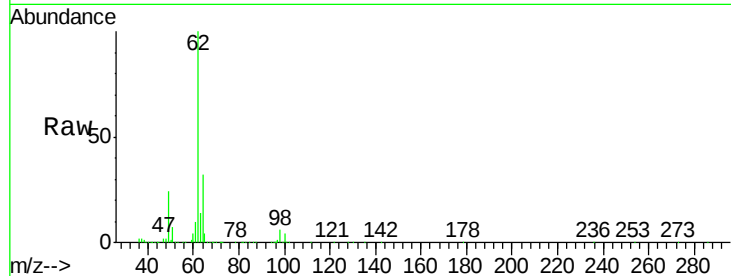




#37
 1,2-Dichloroethane
 Concen: 9.568 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

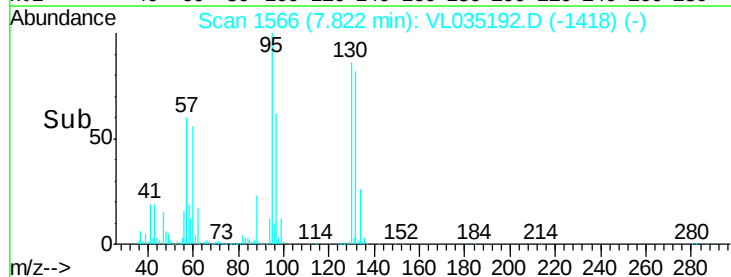
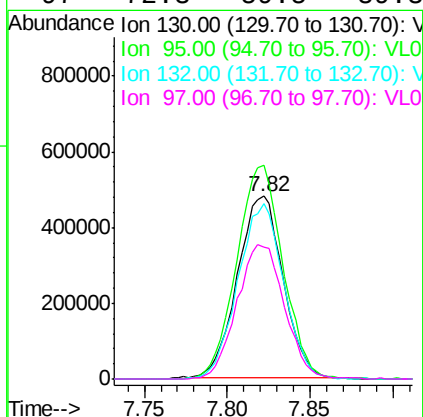
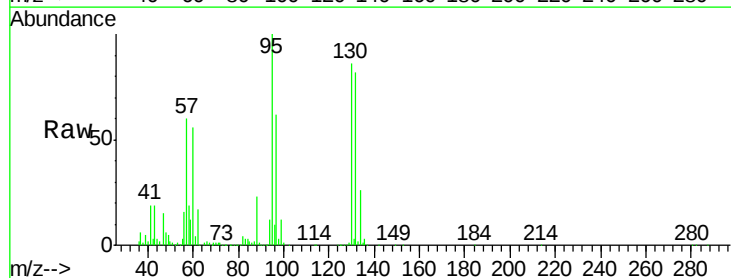
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

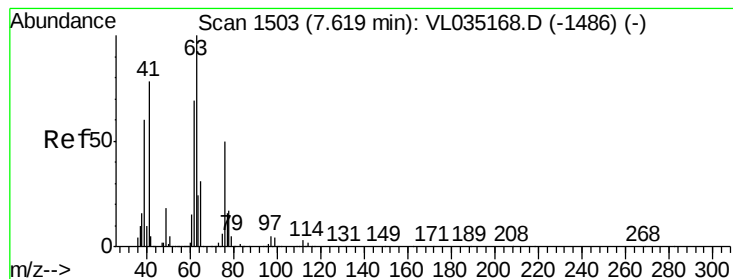
Tot Ion: 62 Resp: 1441579
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.6 6.8



#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





#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

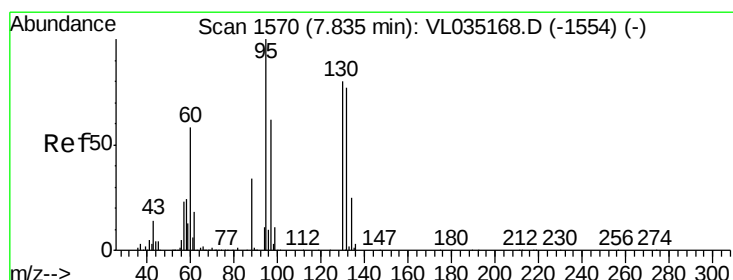
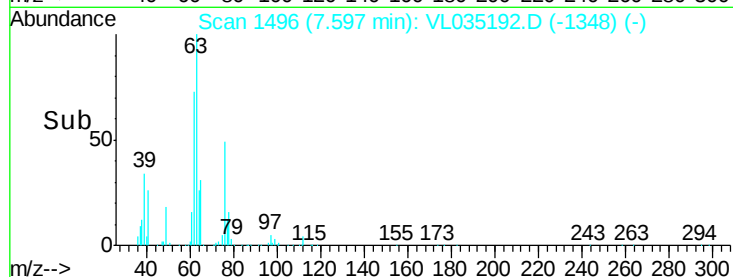
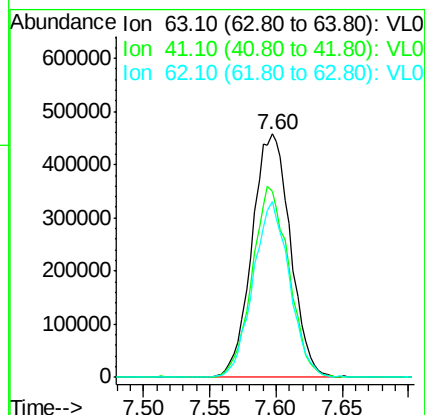
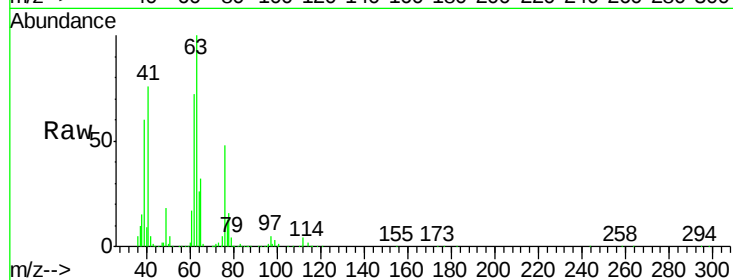
Tot Ion: 63 Resp: 920940

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

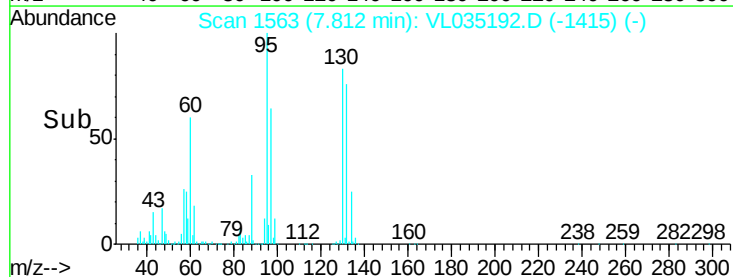
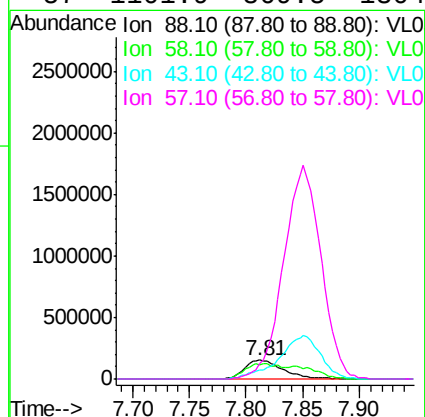
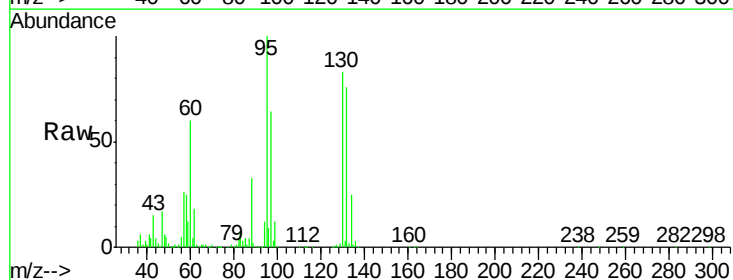
Ion Ratio Lower Upper

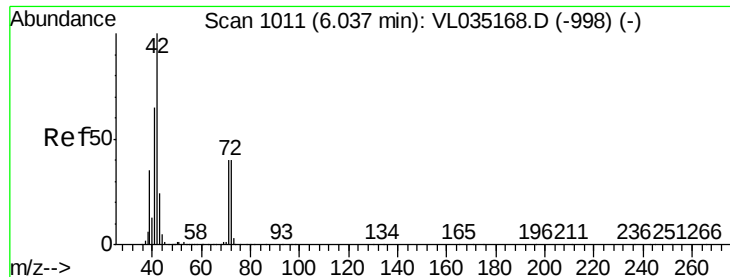
88 100

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

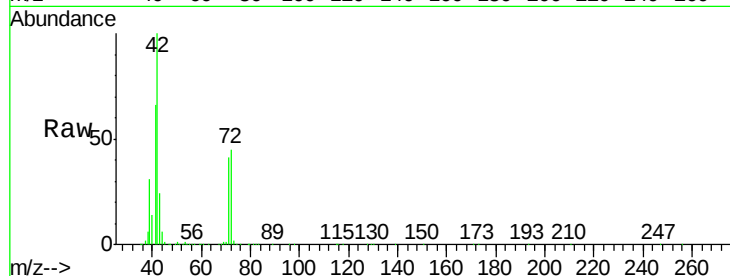
Tot Ion: 42 Resp: 938744

Ion Ratio Lower Upper

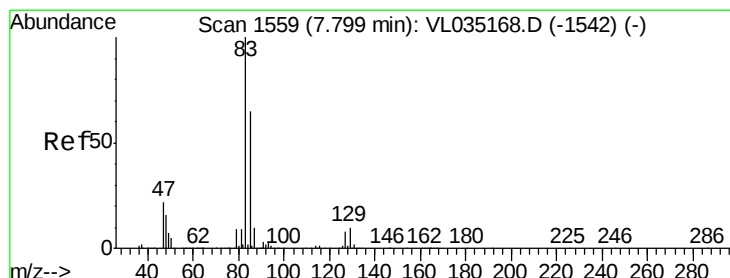
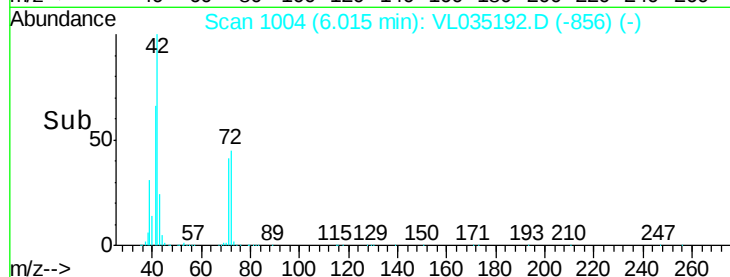
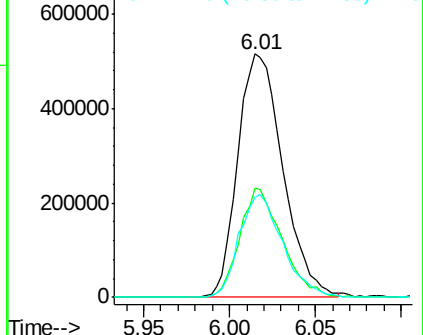
42 100

72 42.2 33.4 50.2

71 40.7 31.9 47.9



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#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

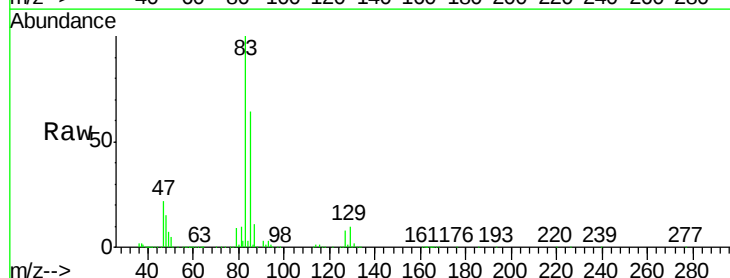
Tgt Ion: 83 Resp: 1989401

Ion Ratio Lower Upper

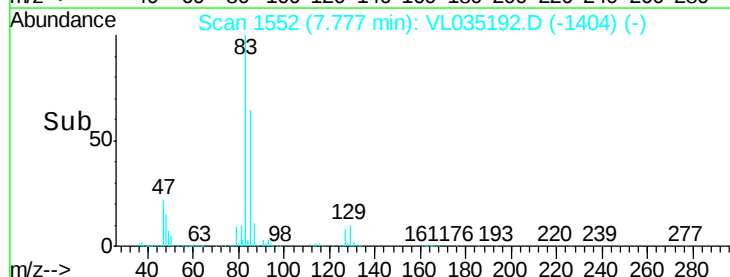
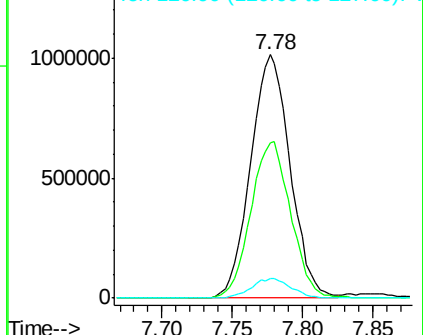
83 100

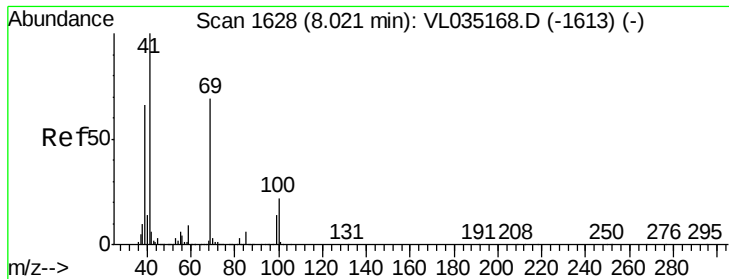
85 64.0 52.2 78.4

127 7.9 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

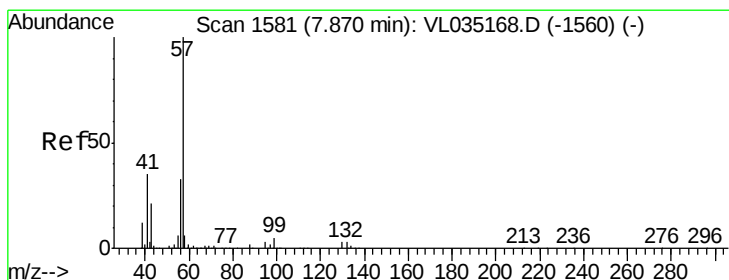
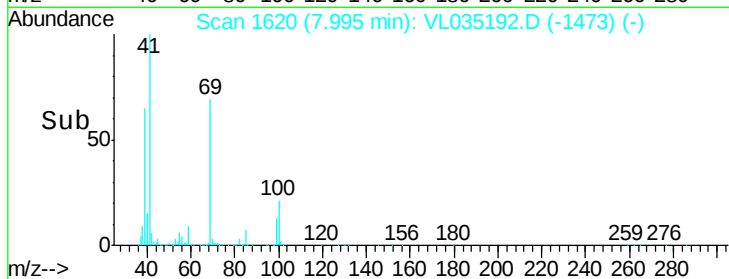
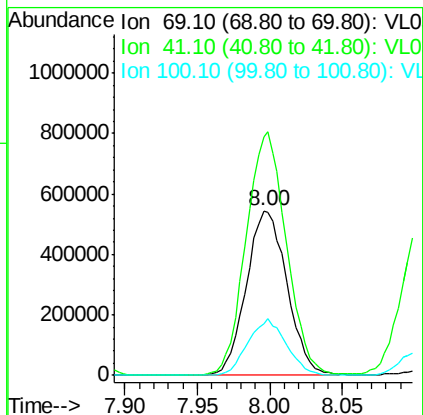
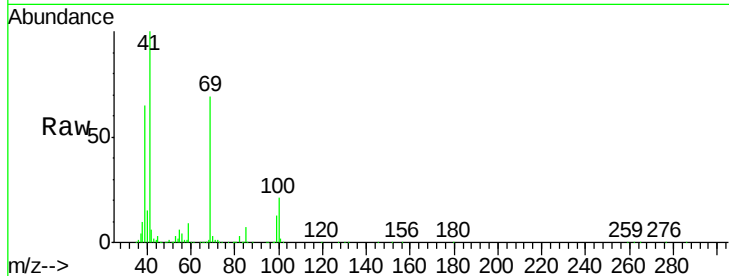




#43
Methvl Methacrvlate
Concen: 11.209 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

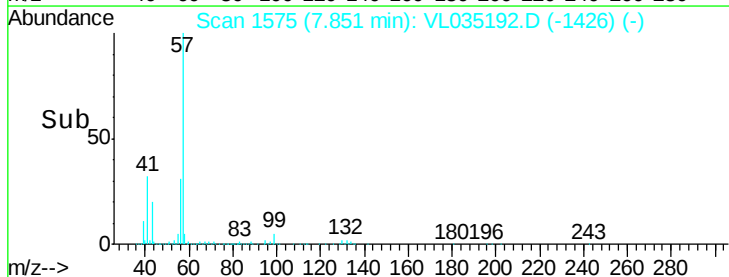
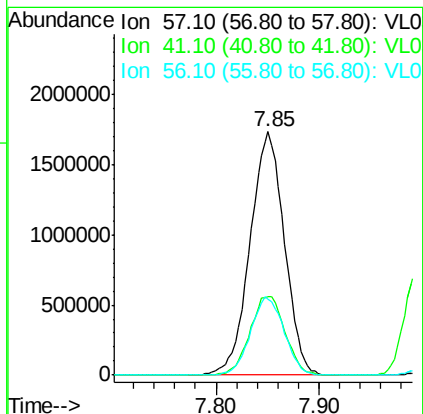
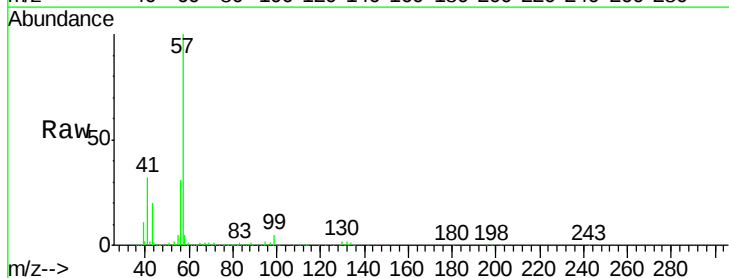
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

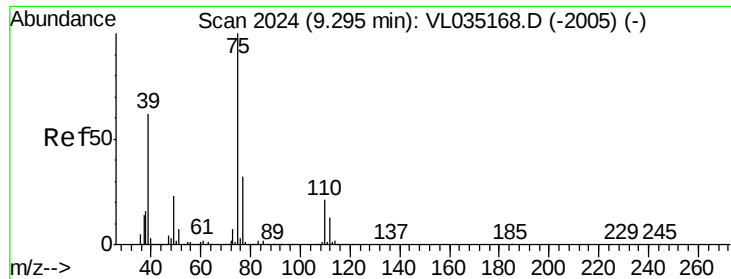
Tot Ion: 69 Resp: 1063748
Ion Ratio Lower Upper
69 100
41 146.0 116.3 174.5
100 32.6 25.6 38.4



#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 :

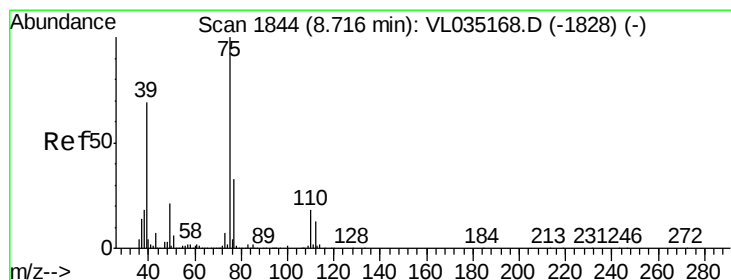
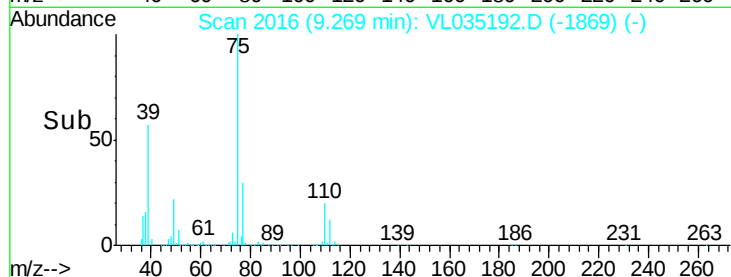
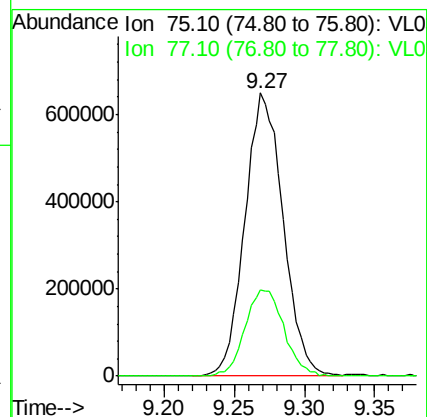
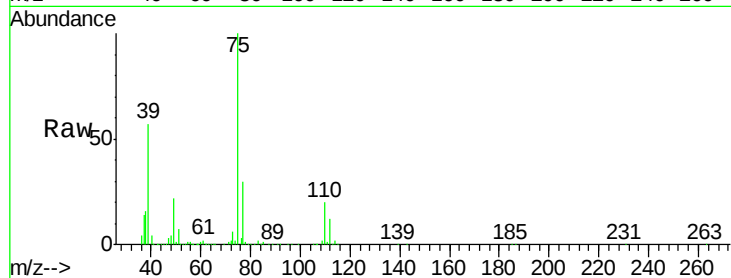
VL0716ABS01

Tot Ion: 75 Resp: 1234394

Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8



#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

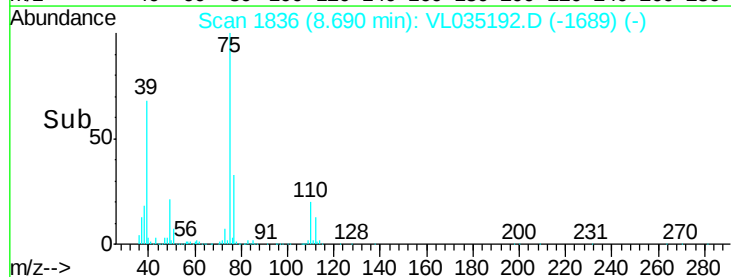
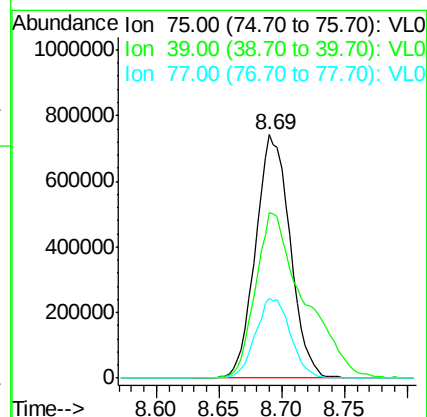
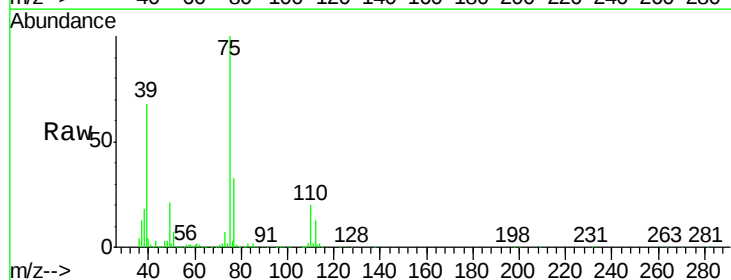
Tgt Ion: 75 Resp: 1421594

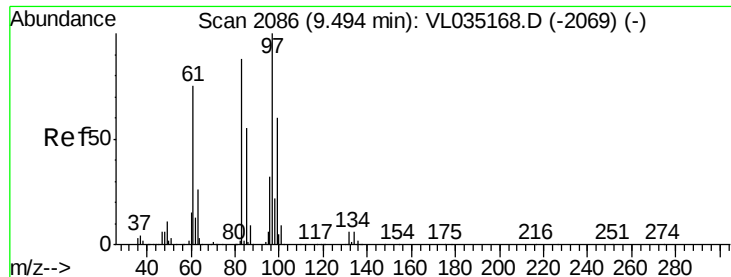
Ion Ratio Lower Upper

75 100

39 67.8 55.2 82.8

77 32.9 26.0 39.0





#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

97 100

83 94.6 70.3 105.5

85 60.0 44.3 66.5

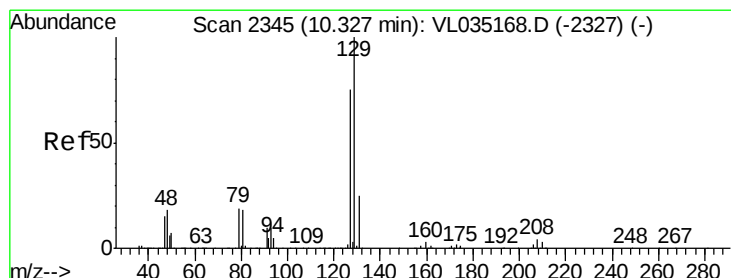
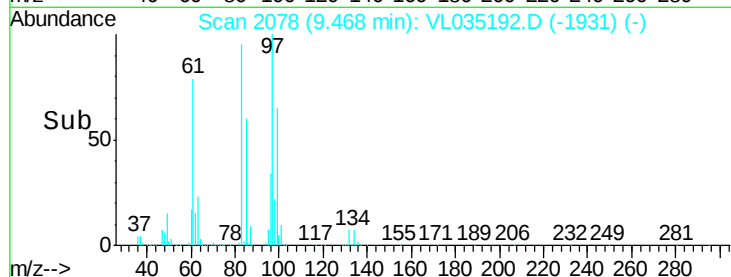
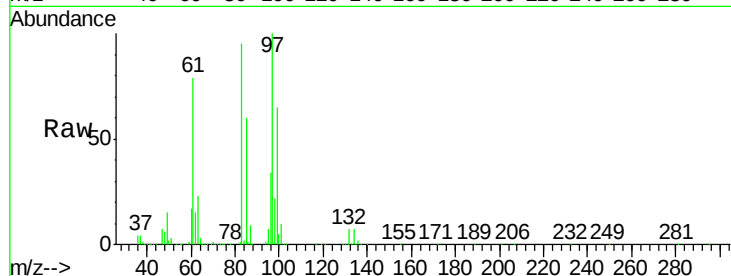
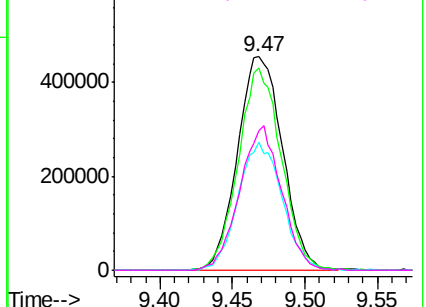
99 65.2 47.8 71.6

Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#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

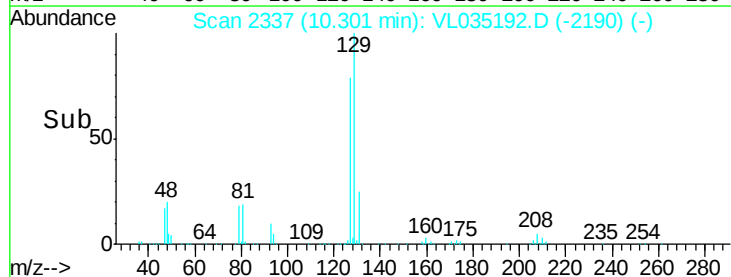
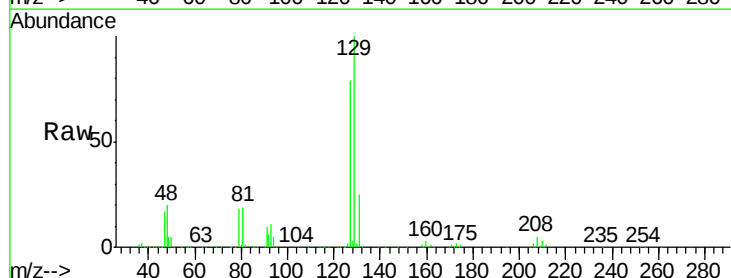
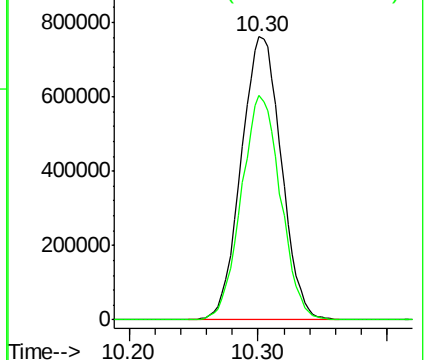
Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.8	116.3

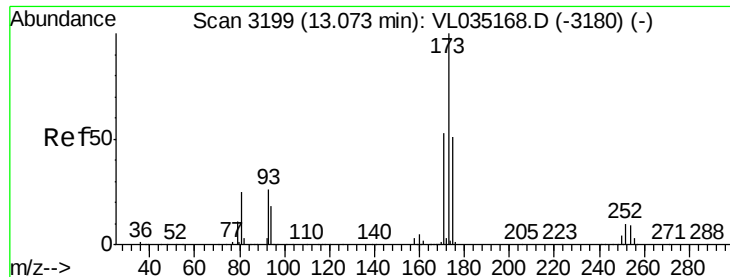
129 100

127 77.5 38.8 116.3

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#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

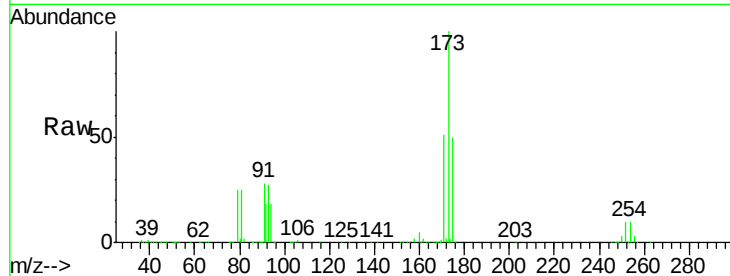
Tot Ion:173 Resp: 1431198

Ion Ratio Lower Upper

173 100

175 50.0 39.7 59.5

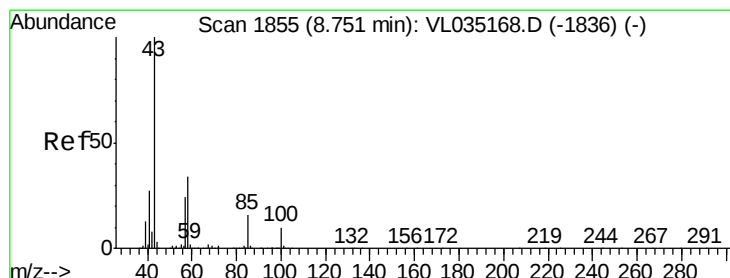
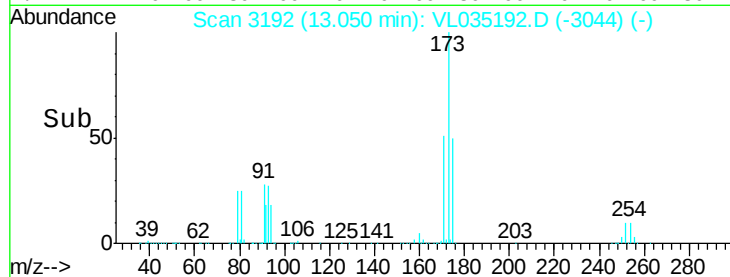
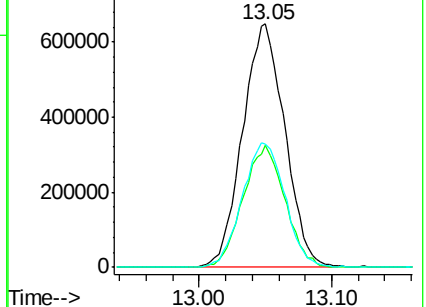
171 52.1 41.6 62.4



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

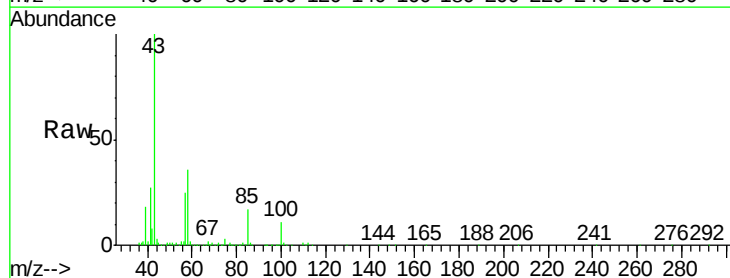
Acq: 16 Jul 2020 13:52

Tgt Ion: 43 Resp: 2503608

Ion Ratio Lower Upper

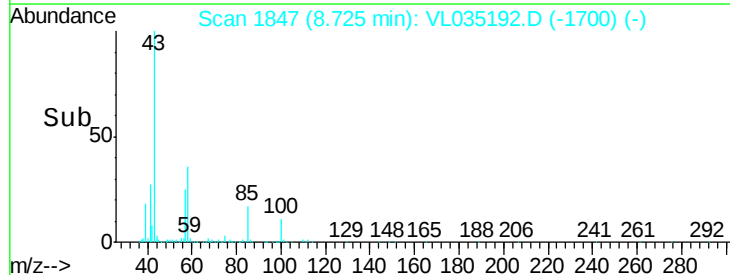
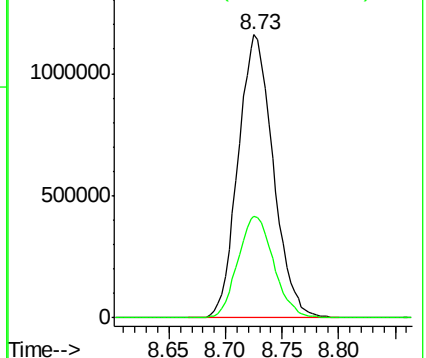
43 100

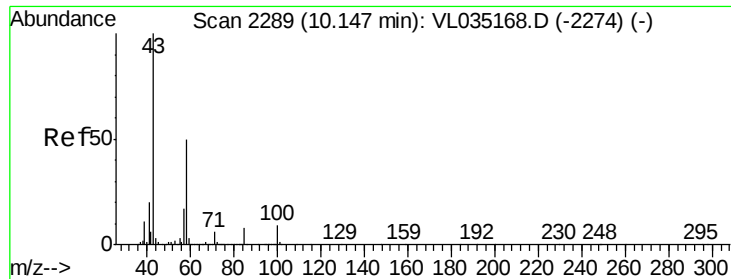
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

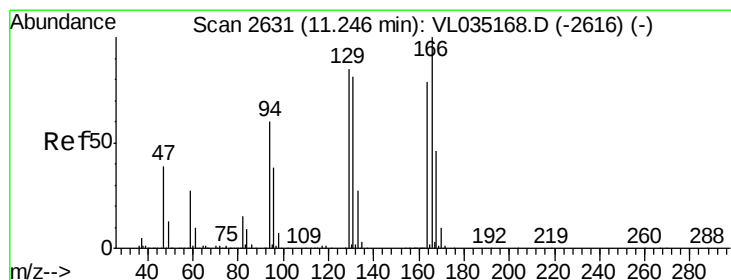
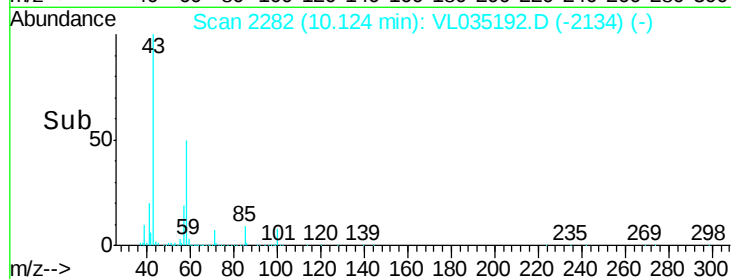
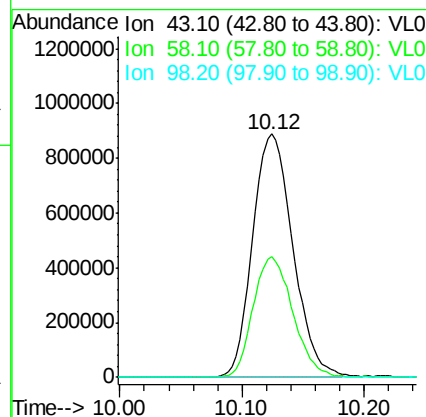
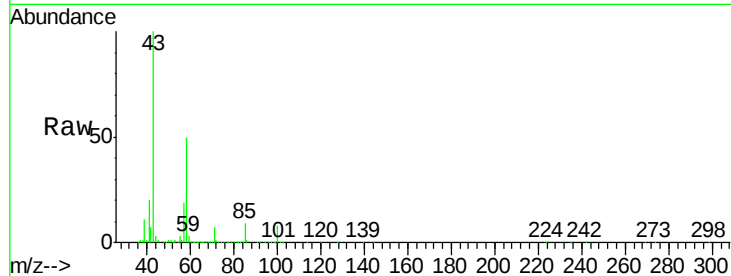




#51
2-Hexanone
Concen: 11.185 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

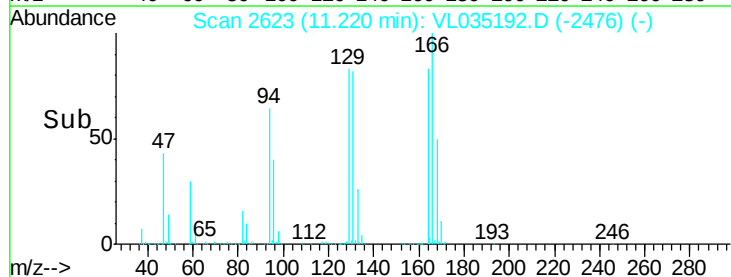
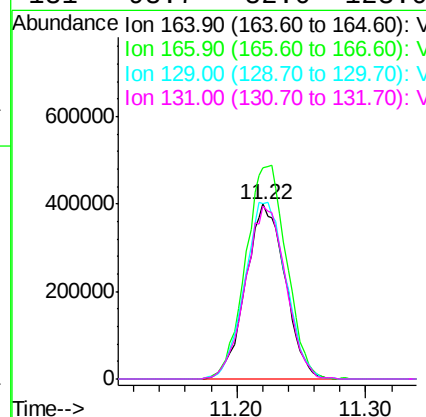
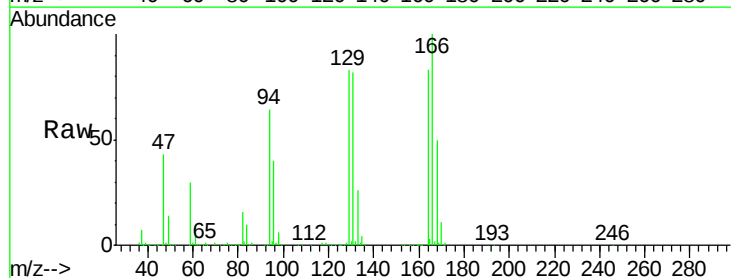
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

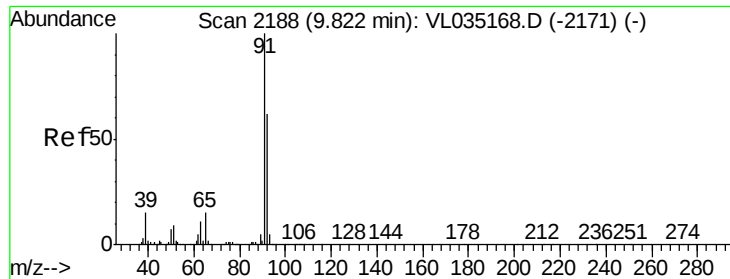
Tot Ion: 43 Resp: 2026449
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.4 0.3 0.5



#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 :

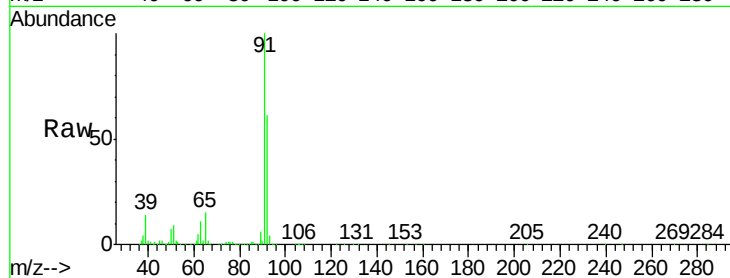
VL0716ABS01

Tot Ion: 91 Resp: 2712767

Ion Ratio Lower Upper

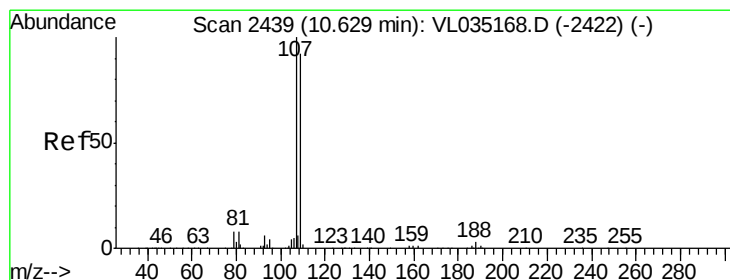
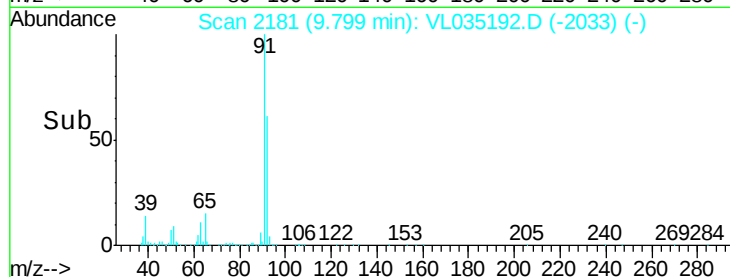
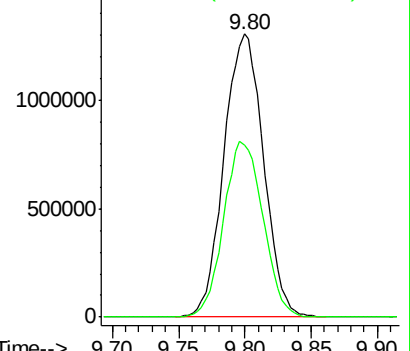
91 100

92 61.8 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.270 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.02 min

Lab File: VL035192.D

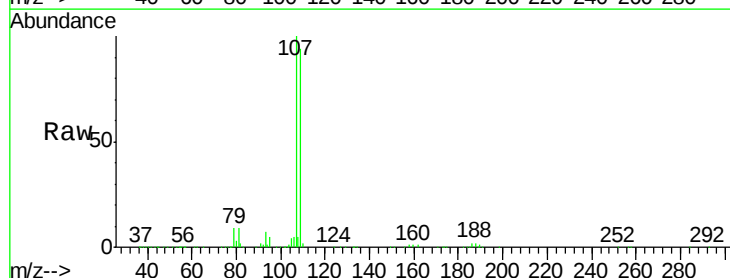
Acq: 16 Jul 2020 13:52

Tgt Ion: 107 Resp: 1489336

Ion Ratio Lower Upper

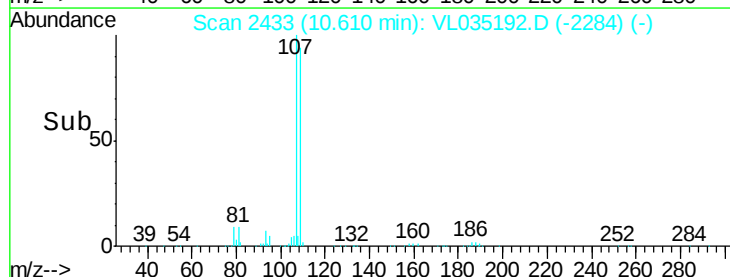
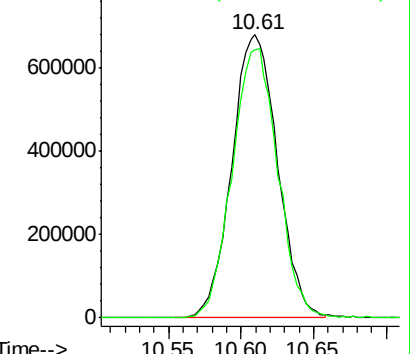
107 100

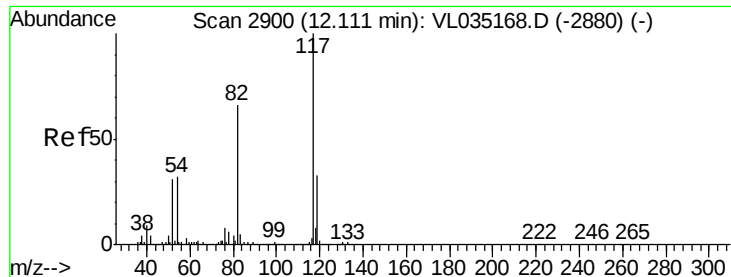
109 94.5 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

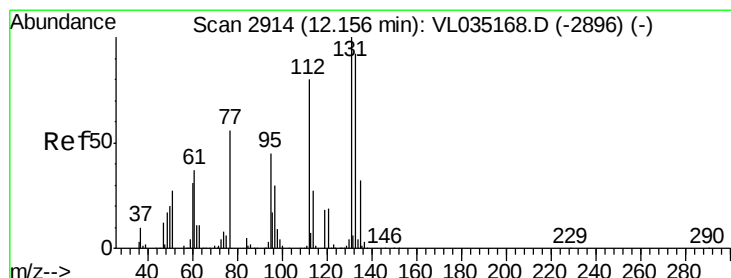
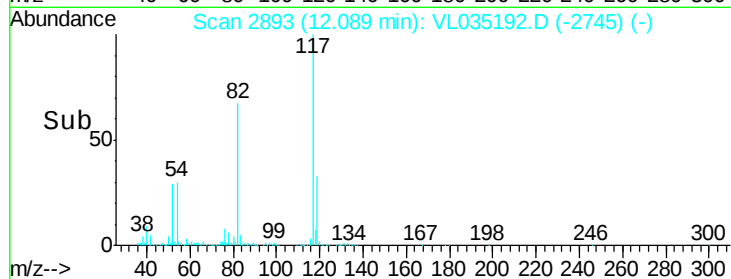
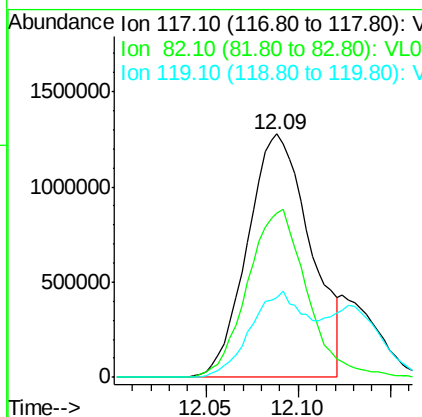
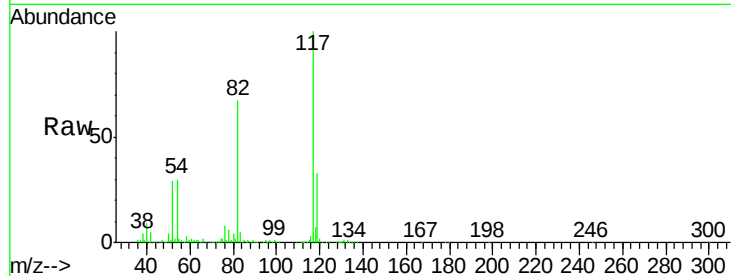




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

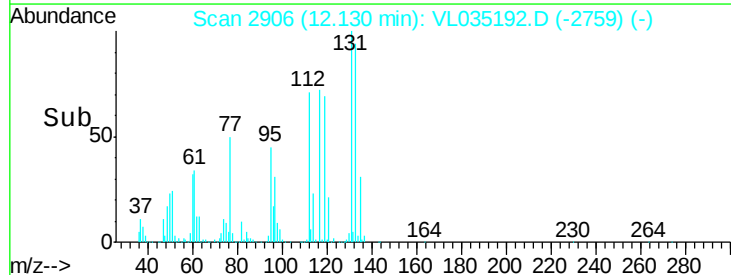
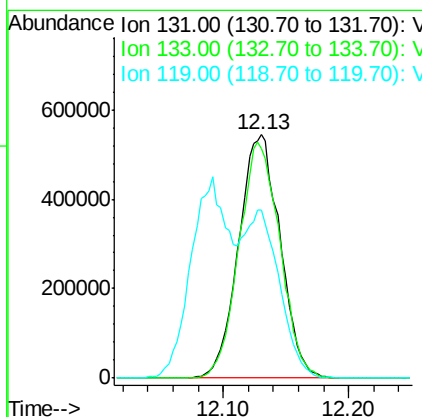
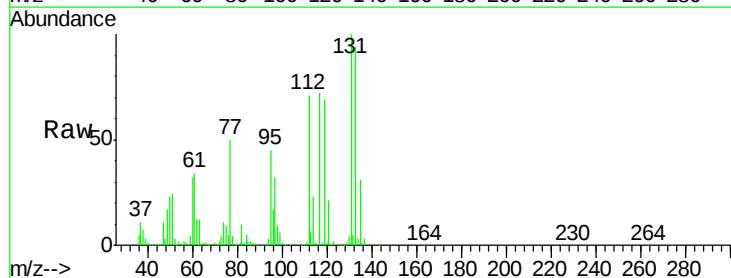
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

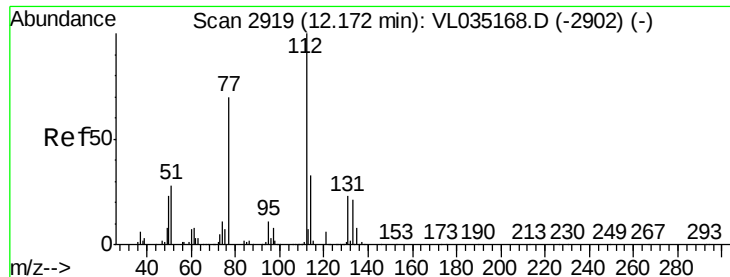
Tot Ion:117 Resp: 3023833
Ion Ratio Lower Upper
117 100
82 65.7 52.3 78.5
119 34.3 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.293 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#

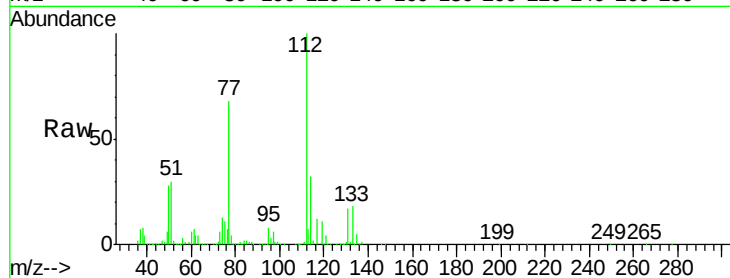




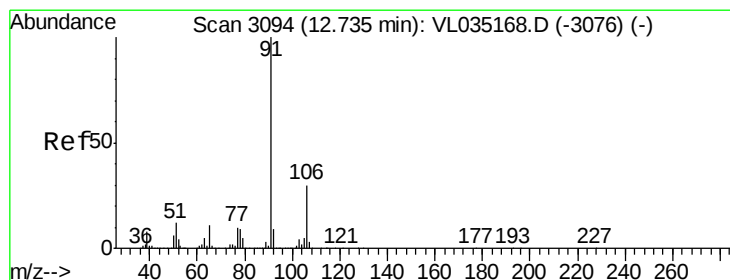
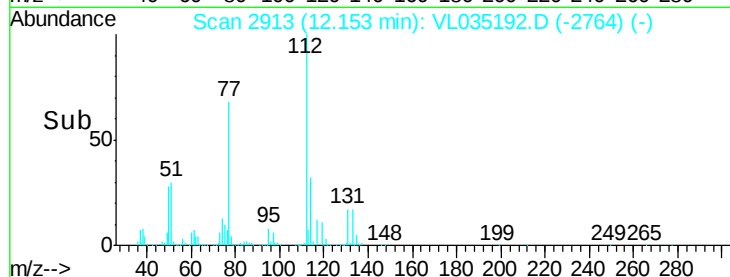
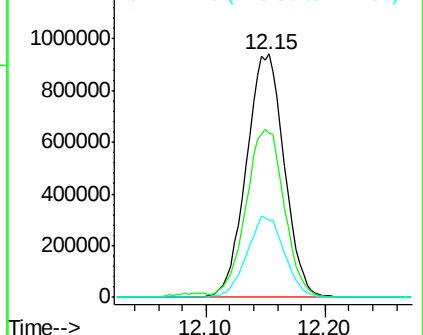
#57
Chlorobenzene
Concen: 9.300 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

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

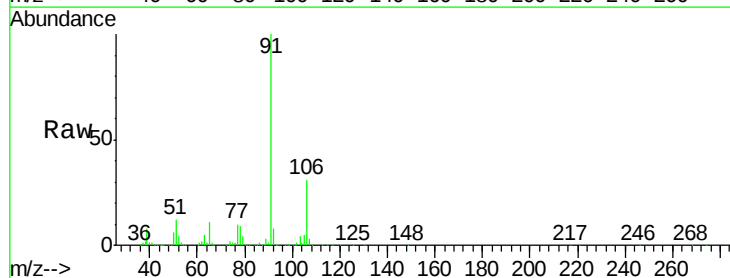


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

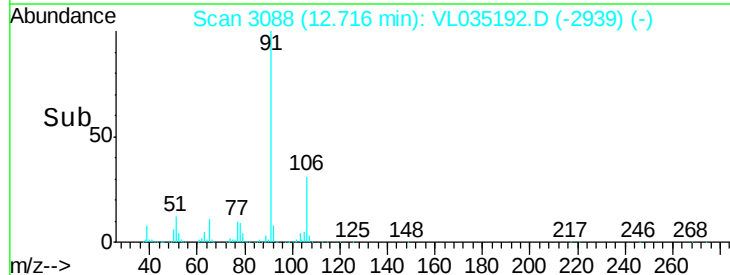
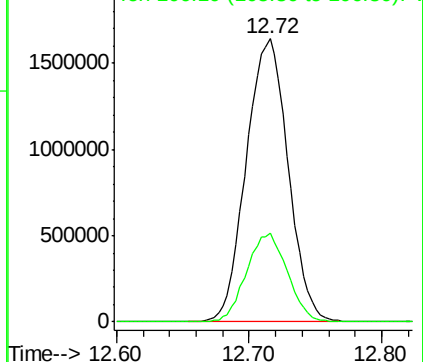


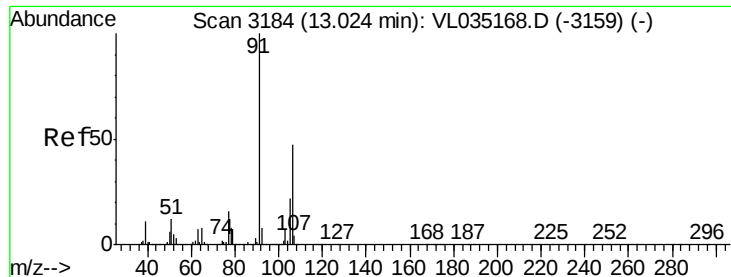
#58
Ethyl Benzene
Concen: 10.804 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.02 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

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



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 20.051 ppbv m

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 :

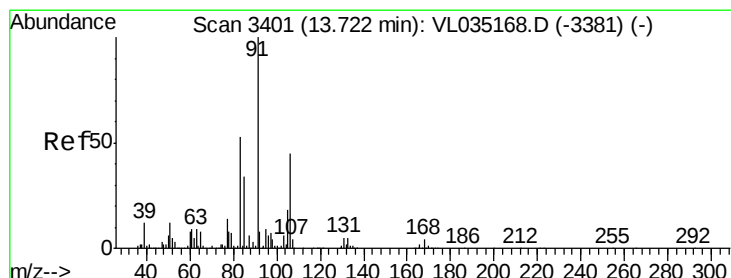
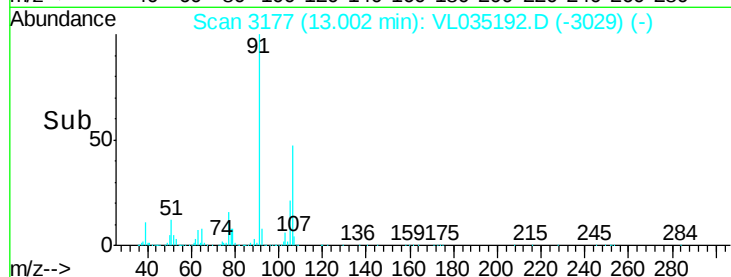
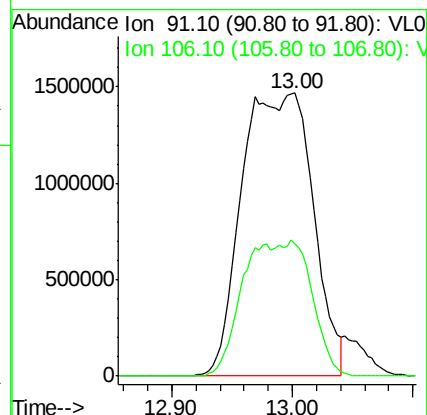
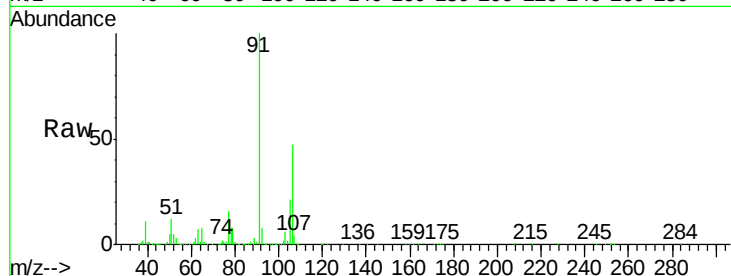
VL0716ABS01

Tot Ion: 91 Resp: 5972730

Ion Ratio Lower Upper

91 100

106 46.3 36.2 54.2



#60

o-Xylene

Concen: 9.978 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.03 min

Lab File: VL035192.D

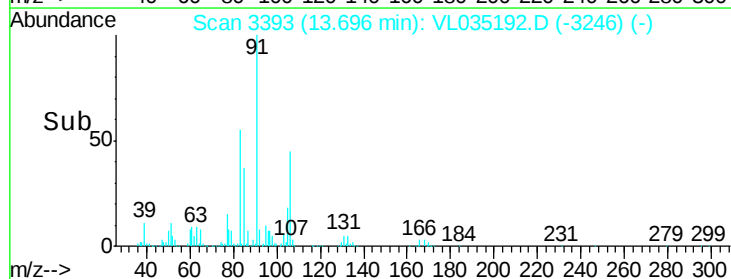
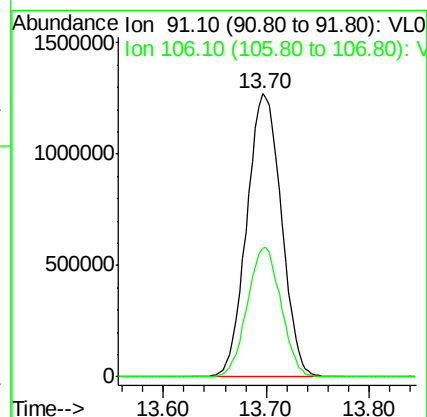
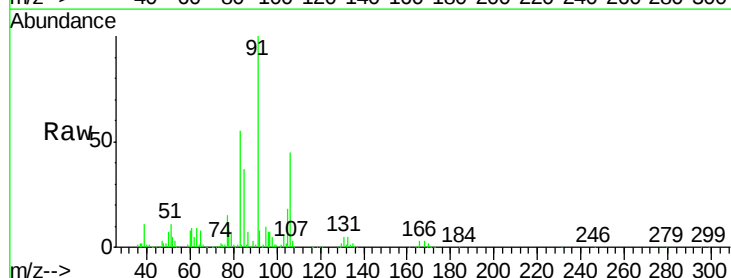
Acq: 16 Jul 2020 13:52

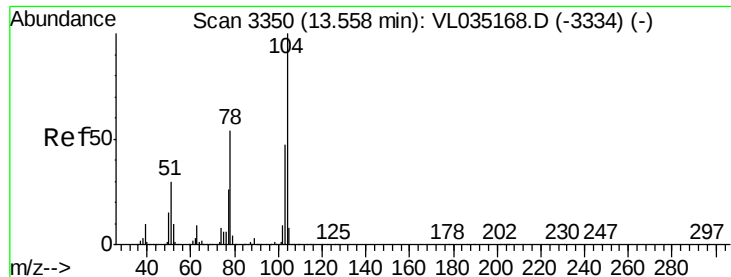
Tgt Ion: 91 Resp: 2965321

Ion Ratio Lower Upper

91 100

106 44.7 22.1 66.3





#61

Stvrene

Concen: 11.687 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

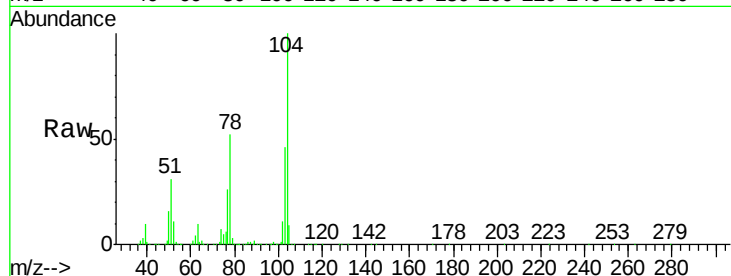
Tot Ion:104 Resp: 2146219

Ion Ratio Lower Upper

104 100

78 53.7 43.4 65.0

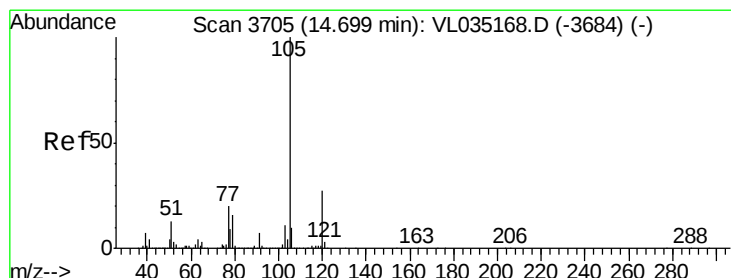
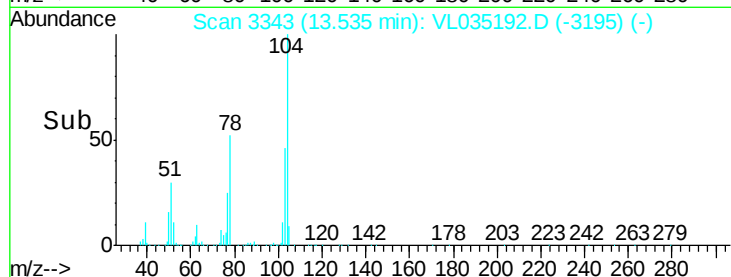
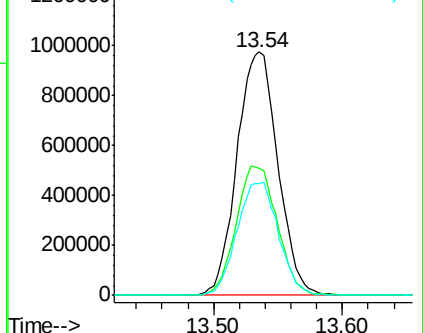
103 47.3 37.4 56.0



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: 10.024 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.02 min

Lab File: VL035192.D

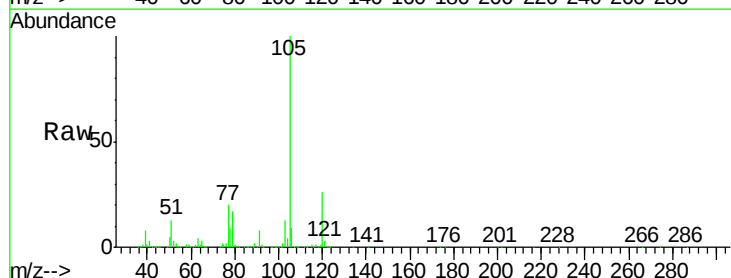
Acq: 16 Jul 2020 13:52

Tgt Ion:105 Resp: 4415649

Ion Ratio Lower Upper

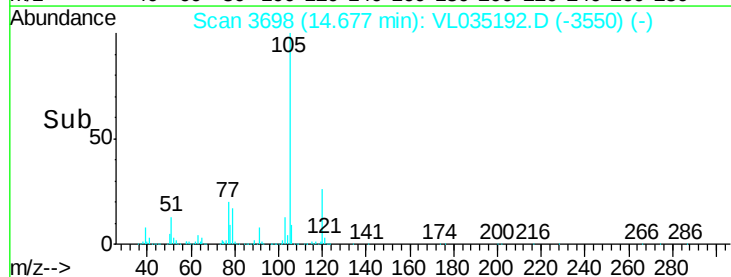
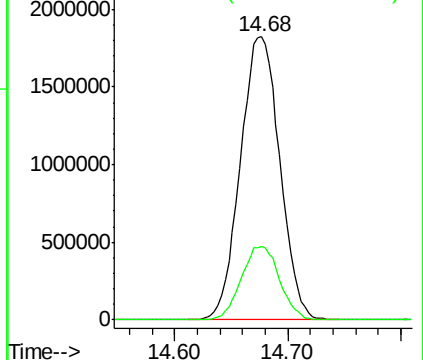
105 100

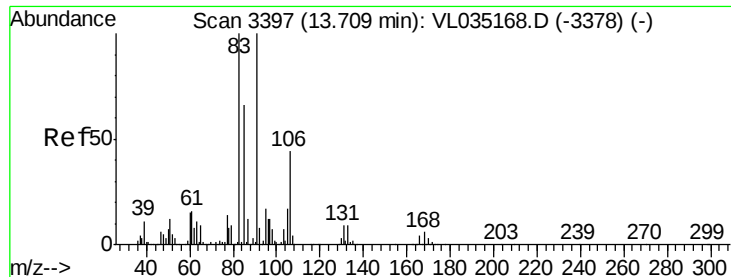
120 25.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

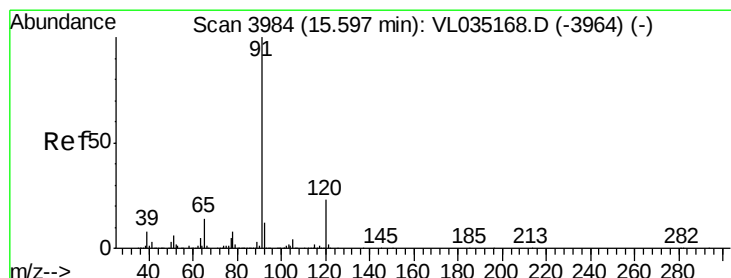
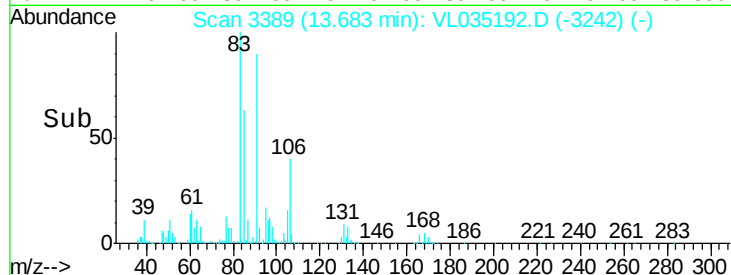
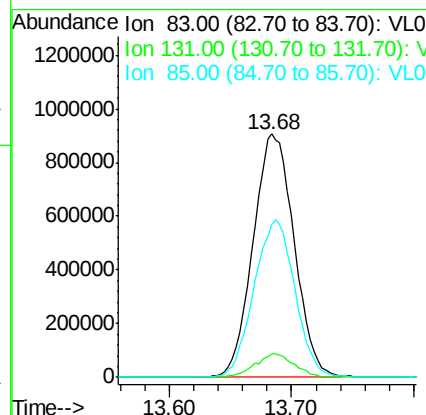
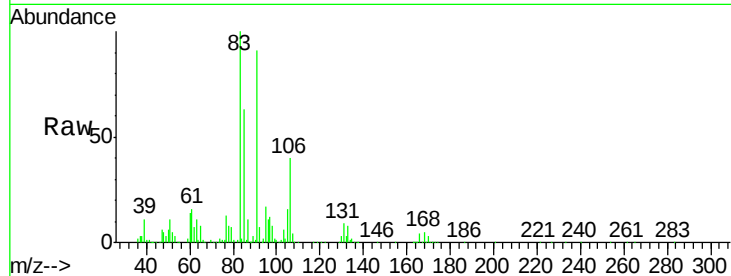




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.482 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

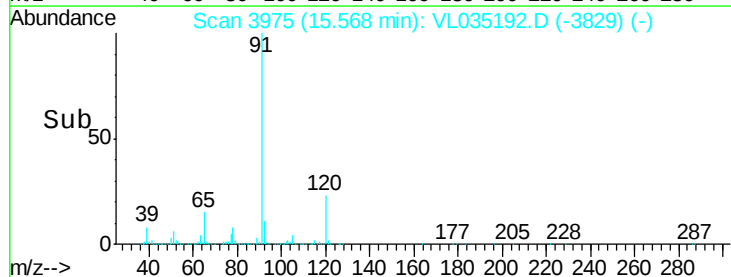
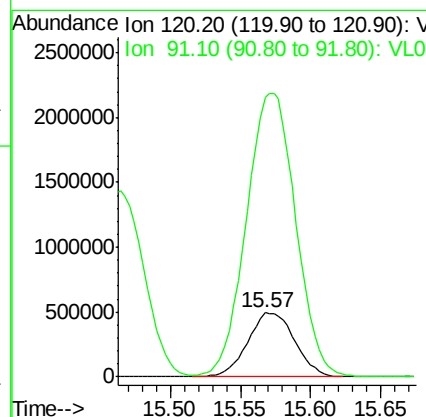
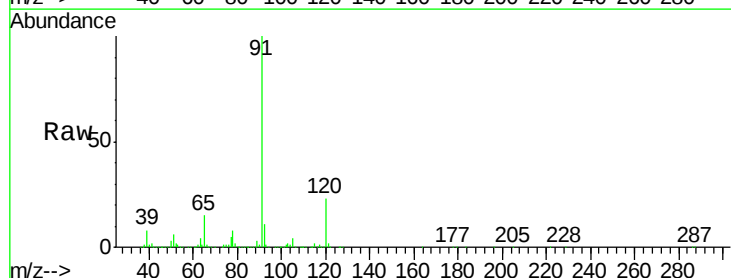
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

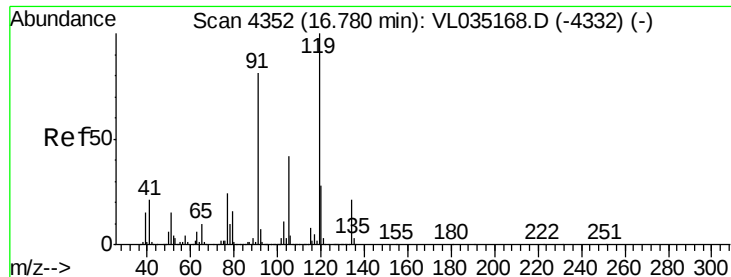
Tot Ion: 83 Resp: 2106367
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.6 33.0 99.0



#64
 n-propylbenzene
 Concen: 10.103 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: 9.864 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

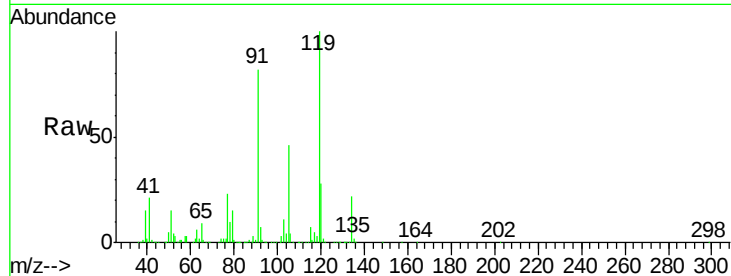
Tot Ion:119 Resp: 3902449

Ion Ratio Lower Upper

119 100

91 83.6 67.5 101.3

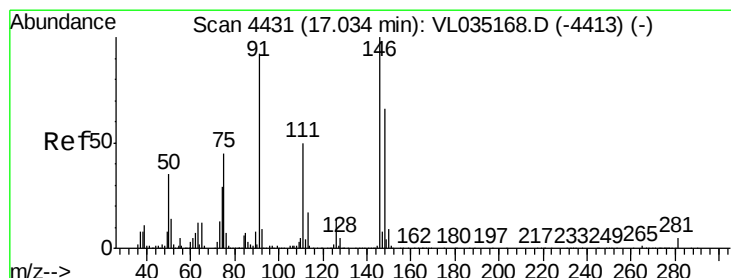
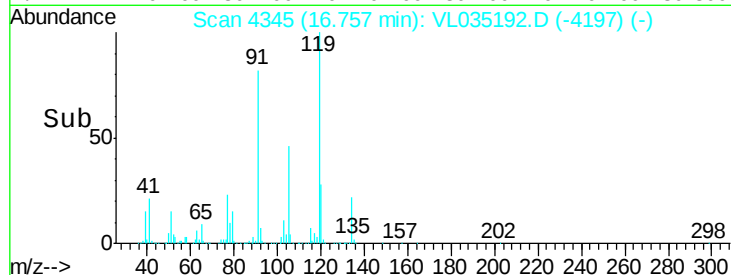
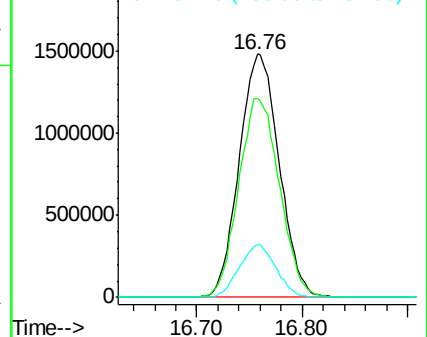
134 19.9 16.0 24.0



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: 10.926 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

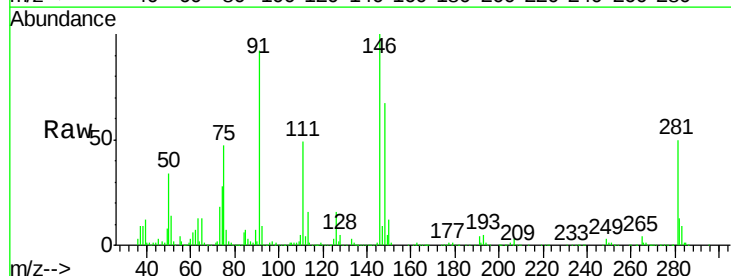
Tgt Ion: 91 Resp: 1540058

Ion Ratio Lower Upper

91 100

126 17.5 13.9 20.9

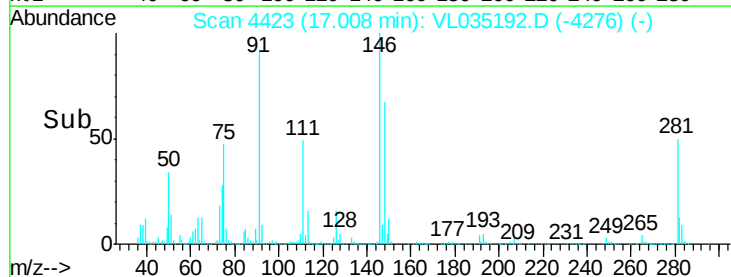
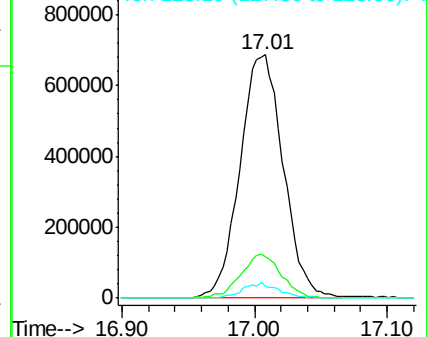
128 5.3 4.2 6.4

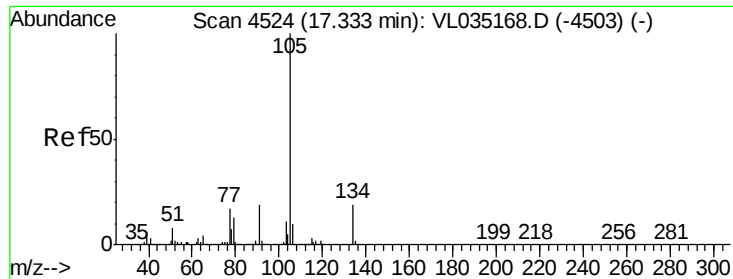


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.565 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 :

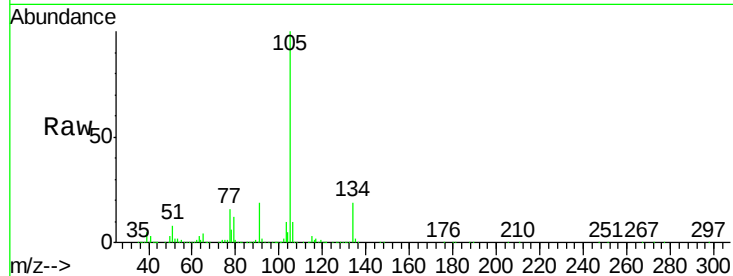
VL0716ABS01

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

17.31

2500000

2000000

1500000

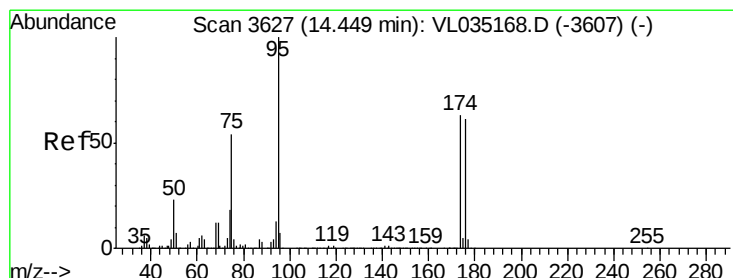
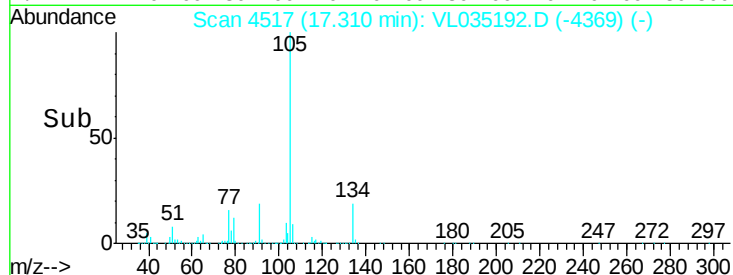
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.596 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.03 min

Lab File: VL035192.D

Acq: 16 Jul 2020 13:52

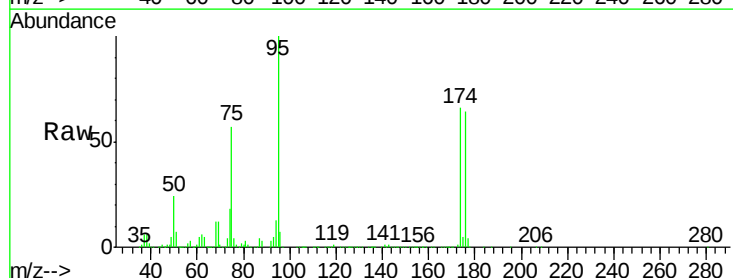
Tgt Ion: 95 Resp: 2357185

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

14.42

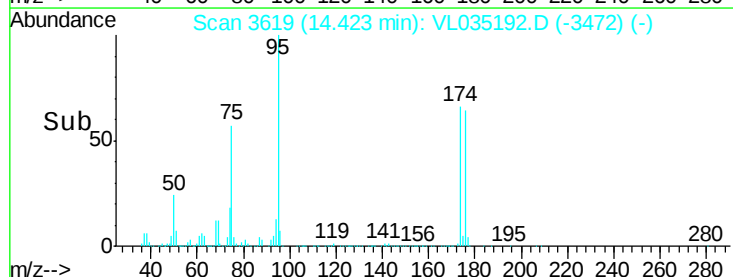
1000000

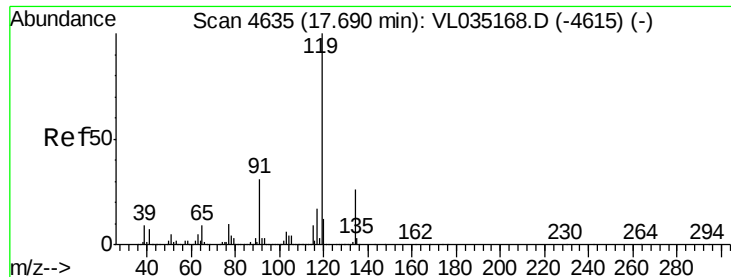
500000

0

Time-->

14.30 14.40 14.50

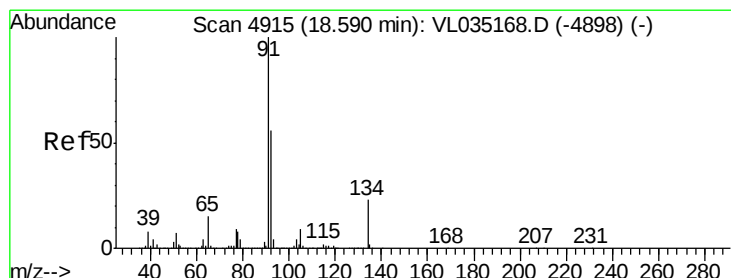
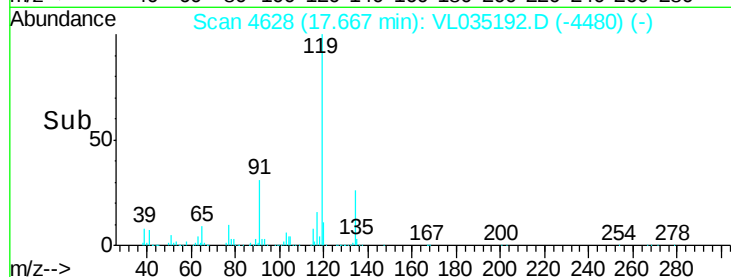
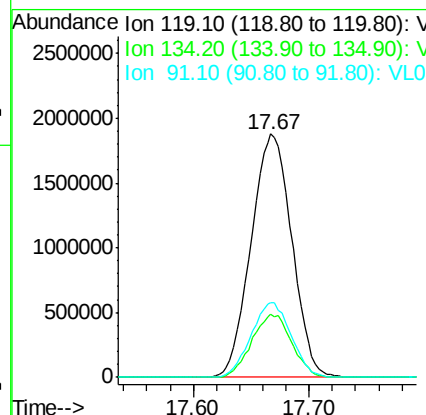
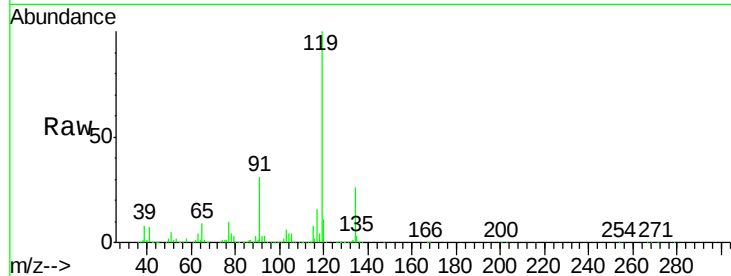




#69
 p-Isopropyltoluene
 Concen: 10.130 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

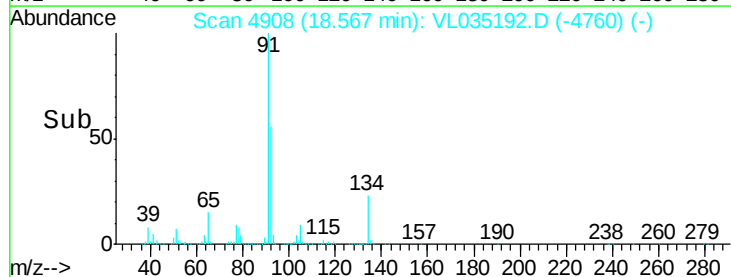
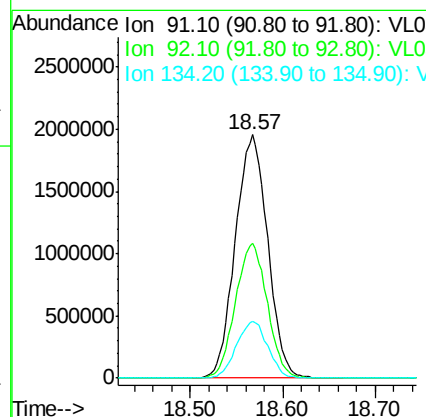
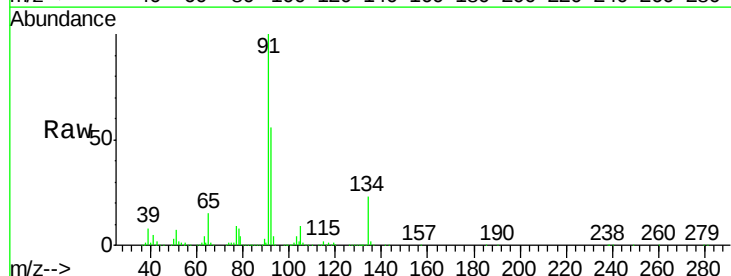
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

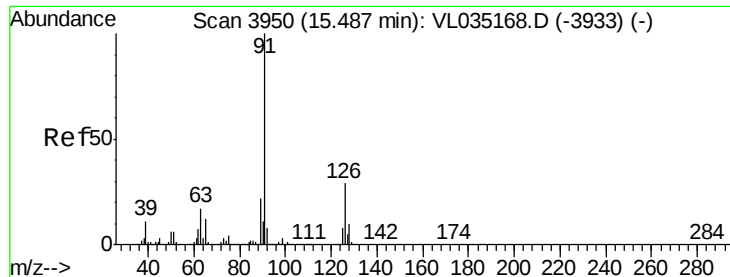
Tot Ion:119 Resp: 4579458
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.8 31.2
 91 30.5 24.9 37.3



#70
 n-Butylbenzene
 Concen: 9.847 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

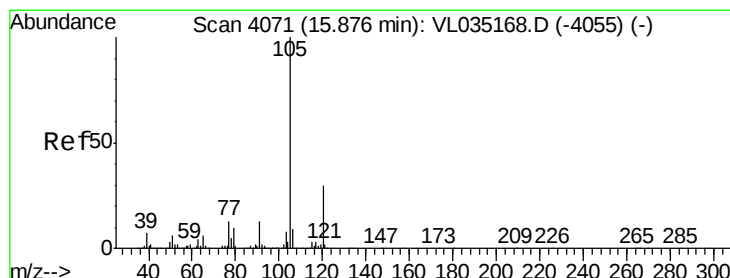
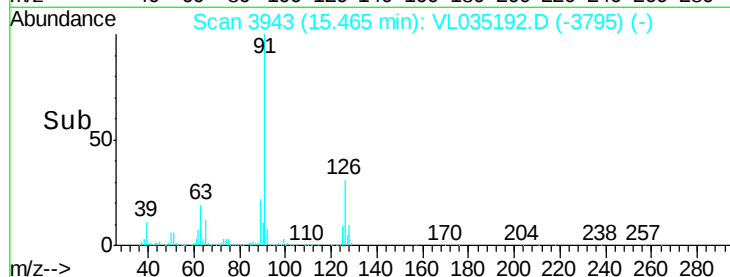
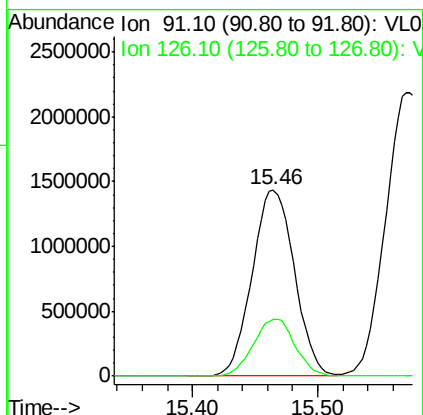
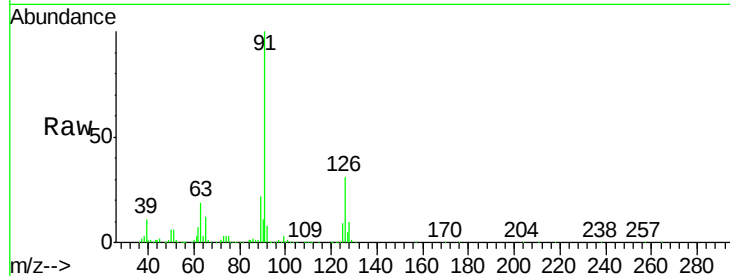




#71
 2-Chlorotoluene
 Concen: 10.138 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.02 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

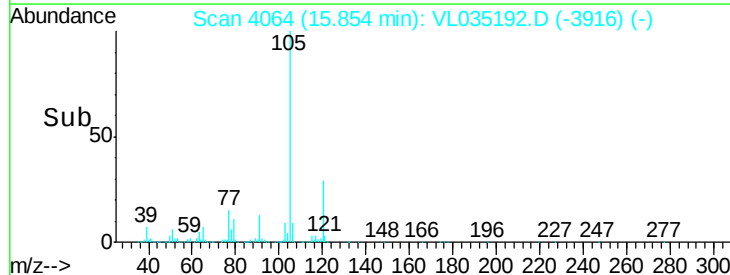
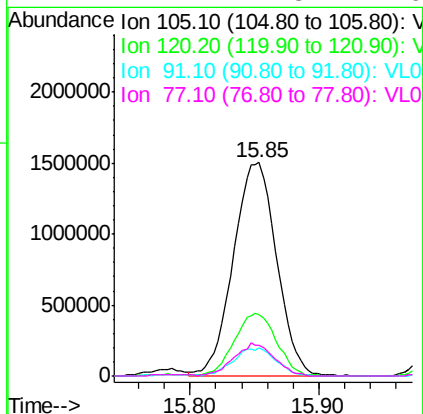
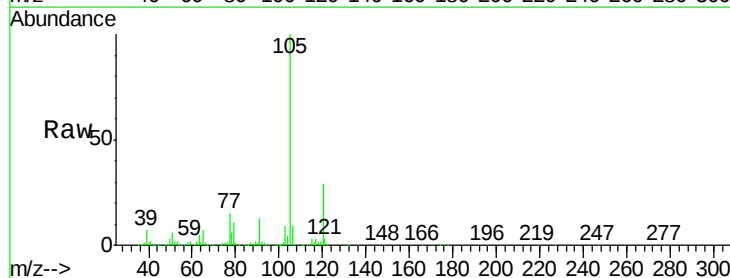
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

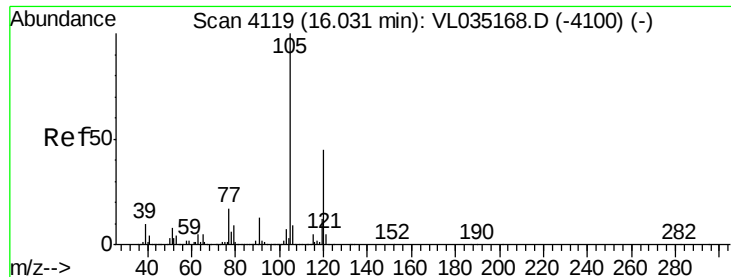
Tot Ion: 91 Resp: 3379345
 Ion Ratio Lower Upper
 91 100
 126 30.3 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 10.447 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





#73

1,3,5-Trimethylbenzene

Concen: 10.112 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 :

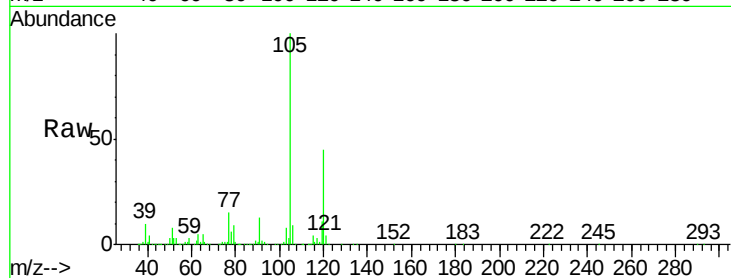
VL0716ABS01

Tot Ion:105 Resp: 3265255

Ion Ratio Lower Upper

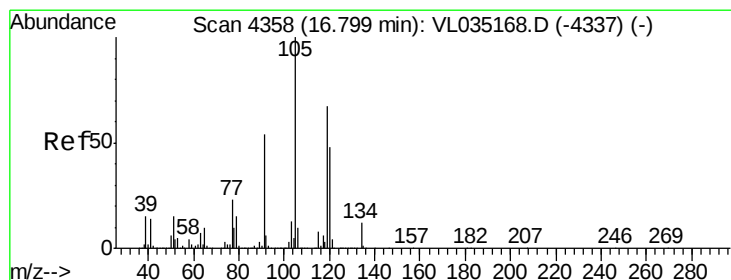
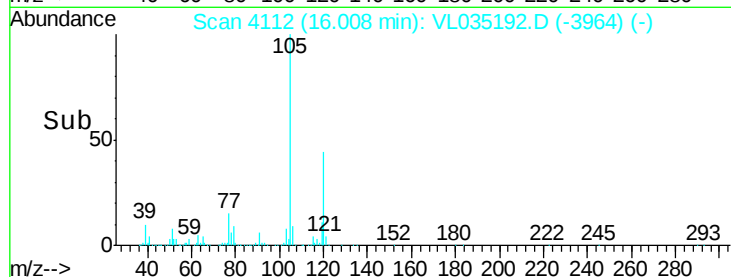
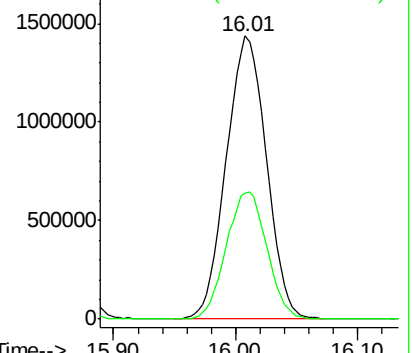
105 100

120 44.5 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.532 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

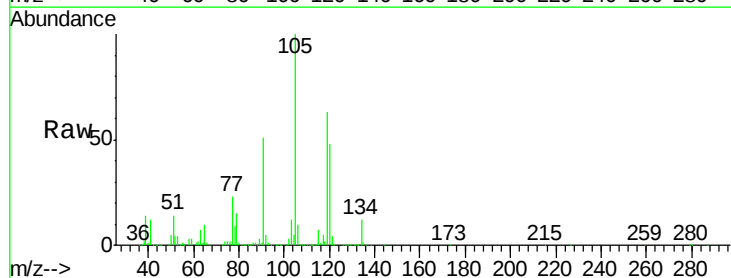
Ion Ratio Lower Upper

105 100

120 48.0 38.6 57.8

91 51.2 43.6 65.4

77 23.0 18.3 27.5

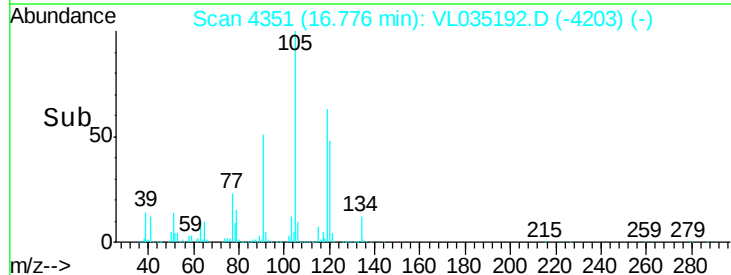
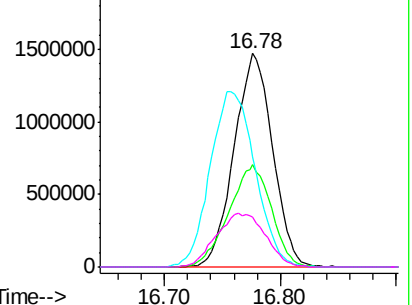


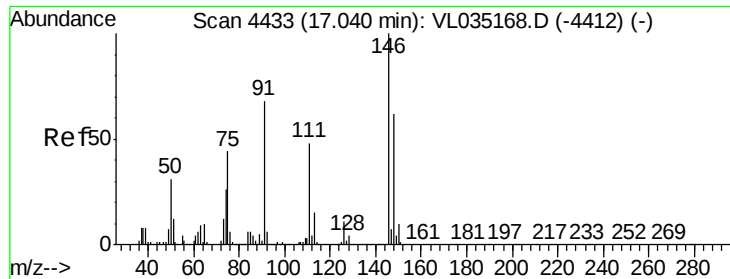
Abundance Ion 105.10 (104.80 to 105.80): V

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

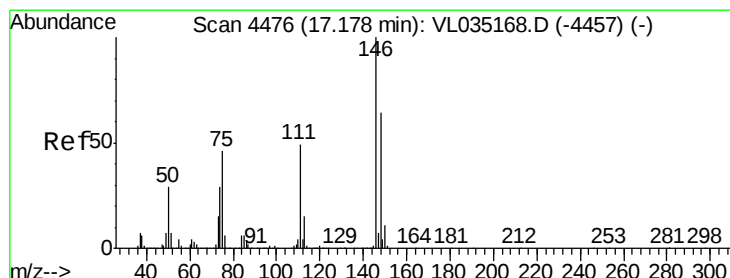
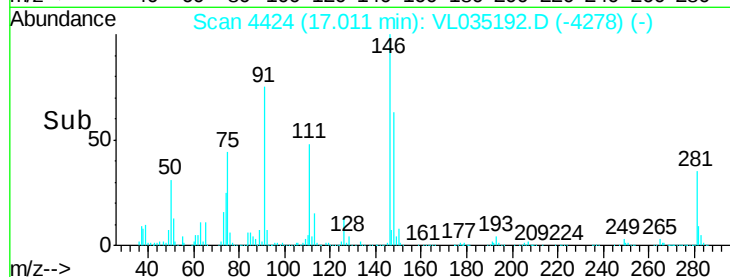
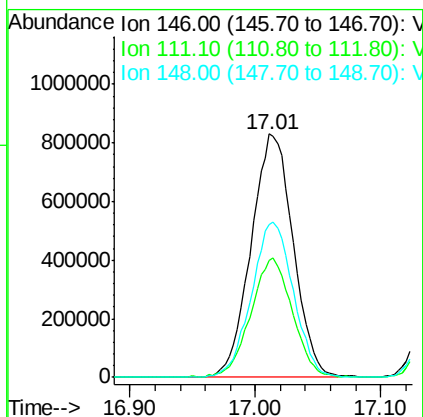
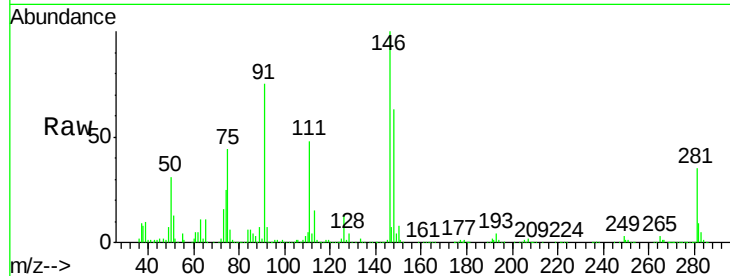




#75
 1,3-Dichlorobenzene
 Concen: 8.576 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.03 min
 Lab File: VL035192.D
 Acq: 16 Jul 2020 13:52

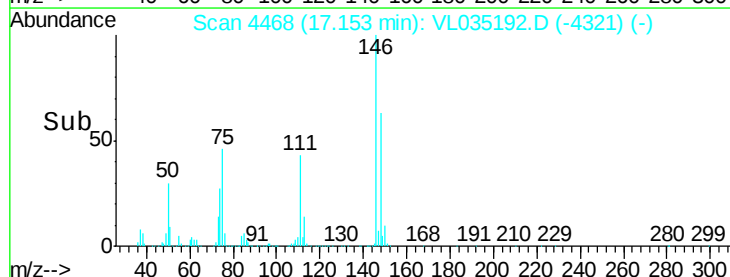
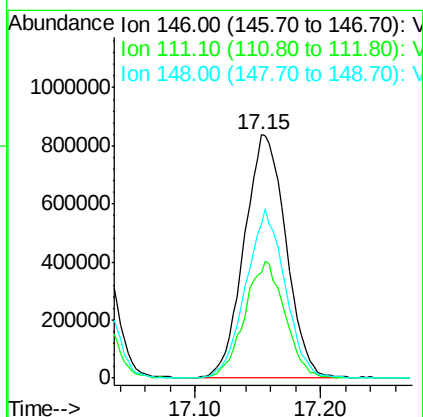
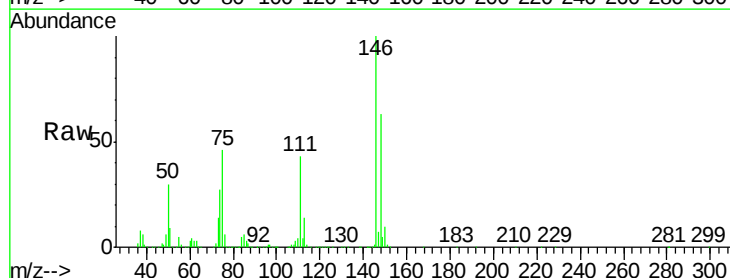
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0716ABS01

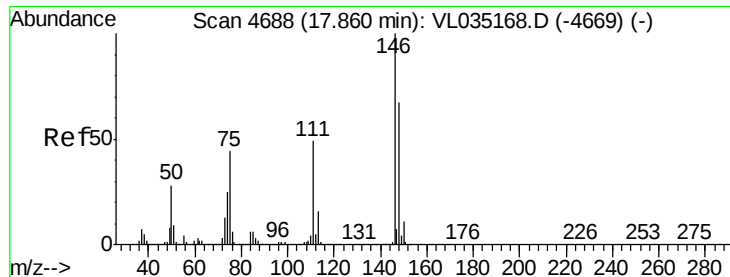
Tot Ion:146 Resp: 1938196
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.7 74.1
 148 63.8 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 9.185 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: 9.085 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.02 min

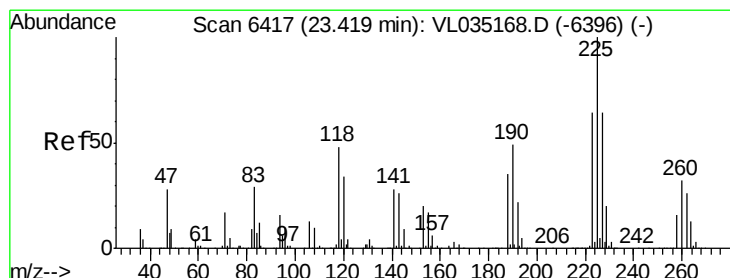
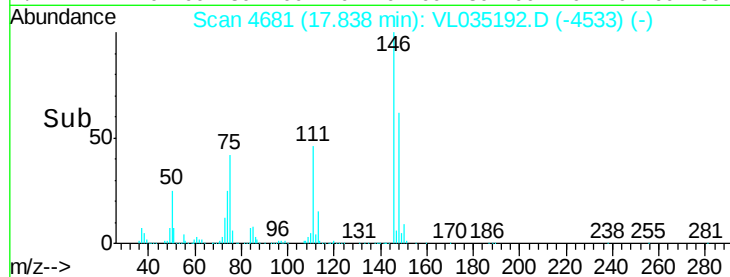
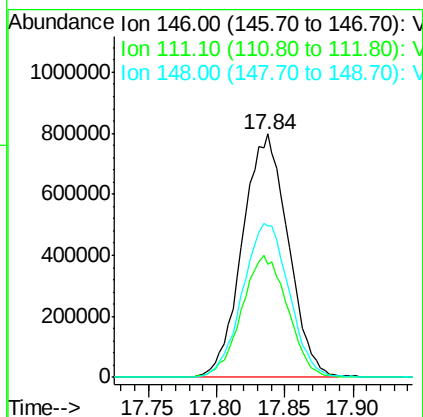
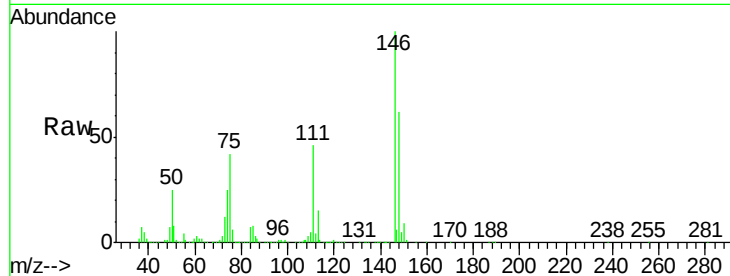
Lab File: VL035192.D

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.725 ppbv

RT: 23.40 min Scan# 6411

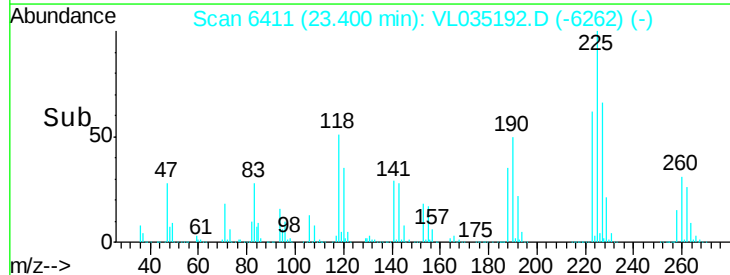
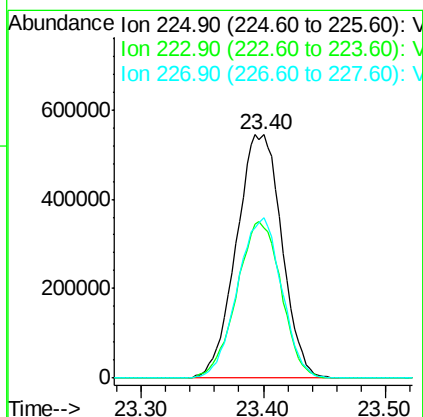
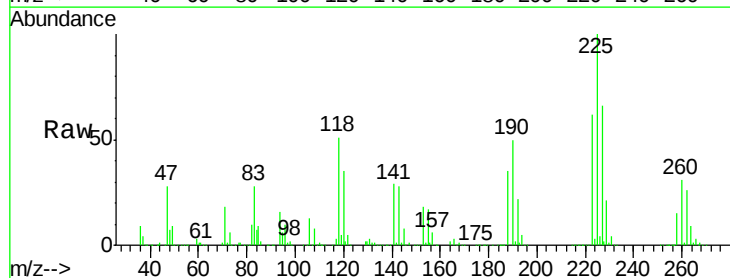
Delta R.T. -0.02 min

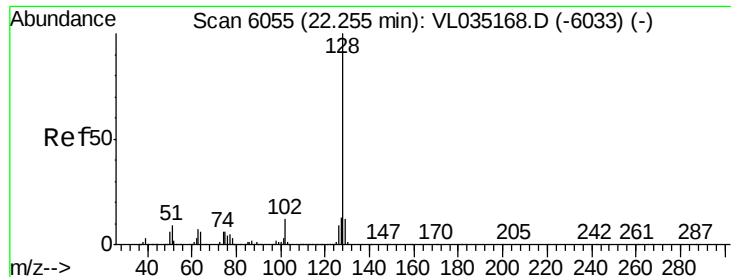
Lab File: VL035192.D

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

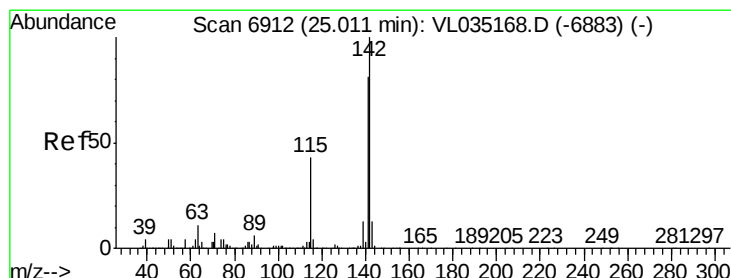
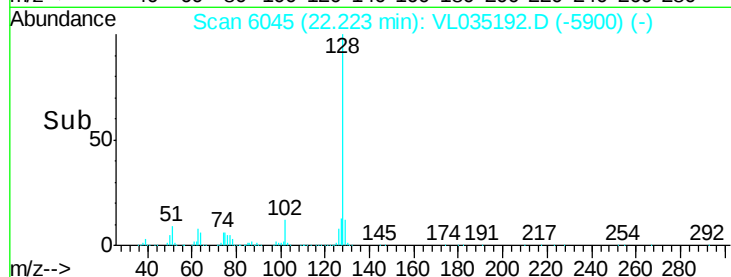
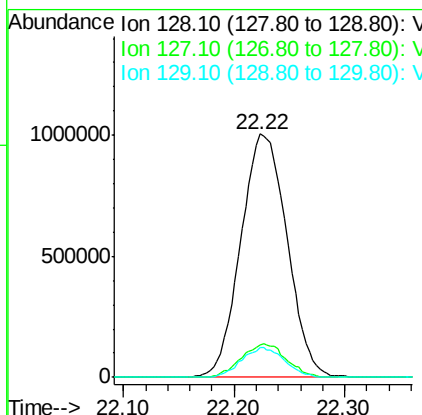
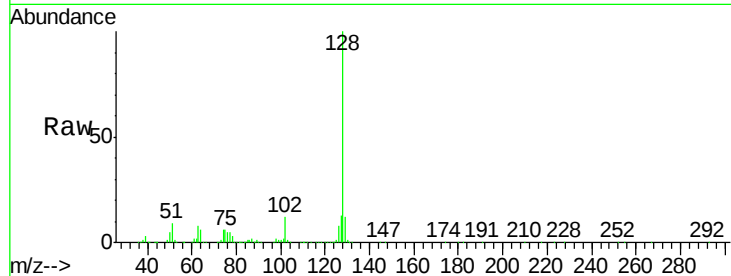




#79
Naphthalene
Concen: 12.582 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.03 min
Lab File: VL035192.D
Acq: 16 Jul 2020 13:52

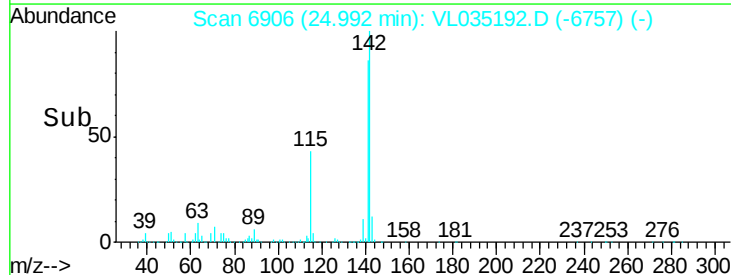
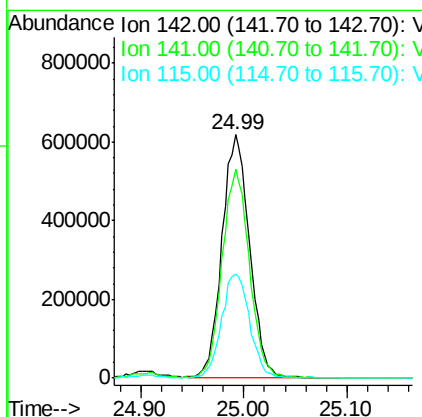
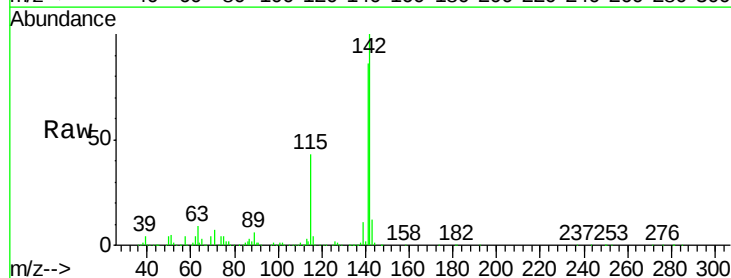
Instrument :
MSVOA_L
ClientSampleId :
VL0716ABS01

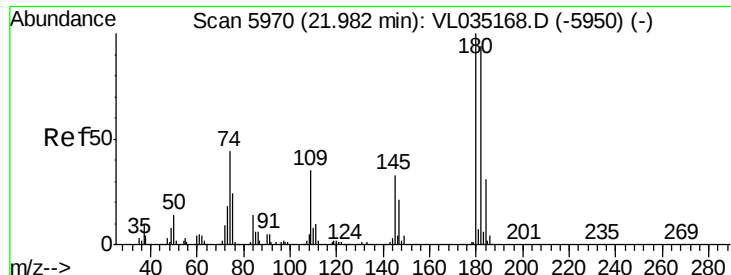
Tot Ion:128 Resp: 2905483
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 12.3 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 21.154 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: 11.007 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:	180	Resp:	1610259
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	30.4	25.0	37.6

