

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035446.D
 Acq On : 18 Aug 2020 17:12
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 02:42:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1064801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4872559	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	6408709	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3601458	8.03	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1733517	8.784	ppbv	99
3) Chlorodifluoromethane	2.99	51	1257786	9.421	ppbv #	91
4) Chloromethane	3.14	50	669916	9.631	ppbv	96
5) Vinyl Chloride	3.26	62	796855	9.586	ppbv	95
6) Bromomethane	3.48	94	705387	9.703	ppbv	99
7) Chloroethane	3.56	64	289497	9.454	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2310553	9.143	ppbv #	58
9) Propene	3.01	41	498422	9.288	ppbv	100
10) Heptane	8.15	43	1361406	9.676	ppbv #	79
11) Trichlorofluoromethane	3.96	101	2902319	9.372	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2174275	9.422	ppbv #	77
13) Ethanol	3.61	45	122369	6.224	ppbv	99
14) Bromoethene	3.75	108	983776	9.647	ppbv #	95
15) Acetone	3.86	43	1026395	8.375	ppbv #	83
16) 1,3-Butadiene	3.33	39	482659	9.711	ppbv #	66
17) tert-Butyl alcohol	4.30	59	1534943	9.690	ppbv	98
18) 1,1-Dichloroethene	4.30	96	989356	9.710	ppbv #	60
19) Isopropyl Alcohol	3.98	45	792422	9.381	ppbv #	97
20) Methylene Chloride	4.35	84	776010	7.848	ppbv #	65
21) Allyl Chloride	4.42	41	627659	10.078	ppbv #	82
22) trans-1,2-Dichloroethene	4.90	96	1061163	9.759	ppbv #	62
23) Vinyl Acetate	5.09	43	1714592	9.786	ppbv #	94
24) 1,1-Dichloroethane	5.02	63	1670464	9.554	ppbv #	93
25) Ethyl Acetate	5.69	43	2182980	9.153	ppbv #	93
26) Hexane	5.70	57	1237775	9.197	ppbv #	76
27) Carbon Disulfide	4.56	76	2044943	10.512	ppbv #	86
28) Methyl tert-Butyl Ether	5.05	73	2320852	9.440	ppbv	92
29) Chloroform	5.77	83	2579635	9.540	ppbv	99
30) Cyclohexane	7.15	84	1477345	9.894	ppbv #	61
31) cis-1,2-Dichloroethene	5.56	61	1379410	9.745	ppbv #	63
32) 1,1,1-Trichloroethane	6.53	97	2641569	10.424	ppbv #	90
34) 2-Butanone	5.26	43	1537895	9.447	ppbv #	74
35) Carbon Tetrachloride	7.04	117	2848991	10.994	ppbv	98
36) Benzene	6.92	78	3331803	9.317	ppbv #	93
37) 1,2-Dichloroethane	6.33	62	1587496	9.713	ppbv #	90
38) Trichloroethene	7.86	130	1879161	9.446	ppbv #	83
39) 1,2-Dichloropropane	7.64	63	1119775	9.501	ppbv #	85
40) 1,4-Dioxane	7.85	88	603125	9.394	ppbv #	24
41) Tetrahydrofuran	6.07	42	893030	9.945	ppbv #	63
42) Bromodichloromethane	7.82	83	2763674	10.105	ppbv #	98
43) Methyl Methacrylate	8.04	69	1394726	9.973	ppbv #	59

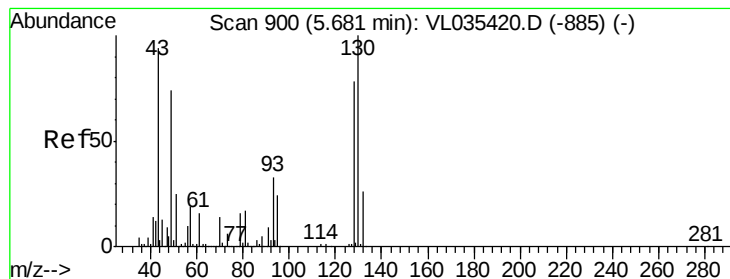
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035446.D
 Acq On : 18 Aug 2020 17:12
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 02:42:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	4268804	9.141	ppbv #	93
45) t-1,3-Dichloropropene	9.31	75	1594645	11.070	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1911600	10.652	ppbv #	75
47) 1,1,2-Trichloroethane	9.51	97	1685071	9.572	ppbv	93
48) Dibromochloromethane	10.34	129	3113799	10.544	ppbv	99
49) Bromoform	13.08	173	3122813	10.976	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2270860	9.724	ppbv #	81
51) 2-Hexanone	10.16	43	1950993	9.912	ppbv #	79
52) Tetrachloroethene	11.26	164	2048694	9.392	ppbv #	83
53) Toluene	9.83	91	4339247	9.421	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2732510	9.557	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2411277	7.932	ppbv	98
57) Chlorobenzene	12.18	112	3837575	7.174	ppbv #	81
58) Ethyl Benzene	12.75	91	5708026	7.378	ppbv #	84
59) m/p-Xylene	13.03	91	4718635	7.215	ppbv #	1
60) o-Xylene	13.73	91	4698569	7.392	ppbv	86
61) Styrene	13.57	104	3991549	7.772	ppbv #	90
62) Isopropylbenzene	14.71	105	7352973	7.059	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.72	83	3295798	7.219	ppbv	97
64) n-propylbenzene	15.60	120	2475335	7.709	ppbv #	45
65) tert-Butylbenzene	16.79	119	7223502	7.136	ppbv #	82
66) Benzyl Chloride	17.03	91	2431540	9.986	ppbv #	89
67) sec-Butylbenzene	17.34	105	9160866	6.876	ppbv #	82
69) p-Isopropyltoluene	17.70	119	8349542	7.063	ppbv #	89
70) n-Butylbenzene	18.59	91	7930756	7.103	ppbv #	90
71) 2-Chlorotoluene	15.49	91	5613371	7.427	ppbv	77
72) 4-Ethyltoluene	15.88	105	6214489	7.450	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.04	105	5829971	7.512	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.81	105	6050571	7.175	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	4687131	7.196	ppbv	92
76) 1,4-Dichlorobenzene	17.18	146	4730328	7.369	ppbv	91
77) 1,2-Dichlorobenzene	17.86	146	4676653	7.330	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	3584572	7.106	ppbv	98
79) Naphthalene	22.25	128	8560374	7.208	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	4012518	8.176	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.98	180	5260955	7.349	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

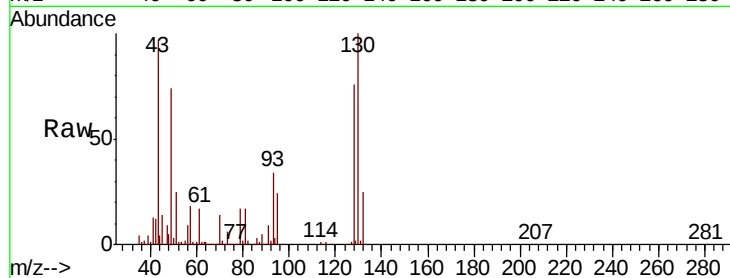
Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1064801

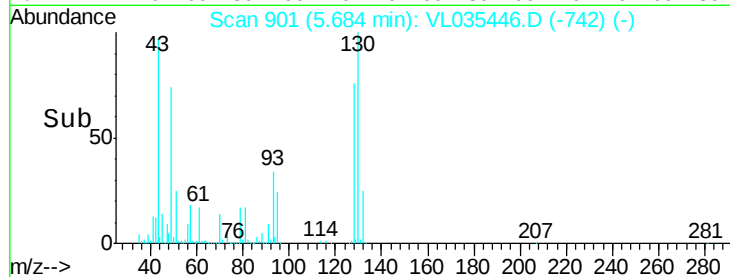
Ion	Ratio	Lower	Upper
49	100		
128	103.9	20.9	62.7#
130	135.2	26.7	80.1#



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: 8.784 ppbv

RT: 3.05 min Scan# 82

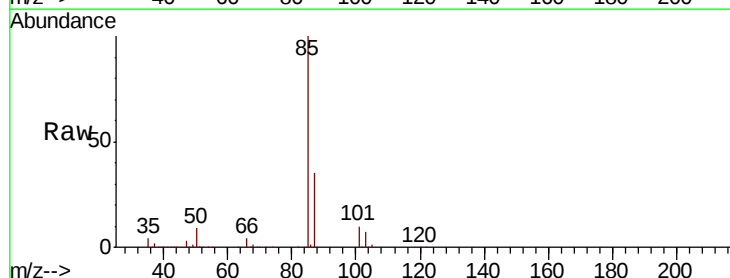
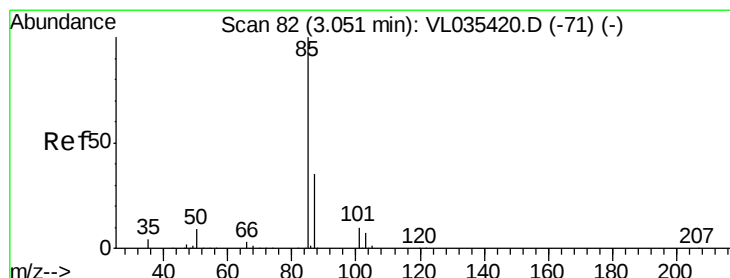
Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

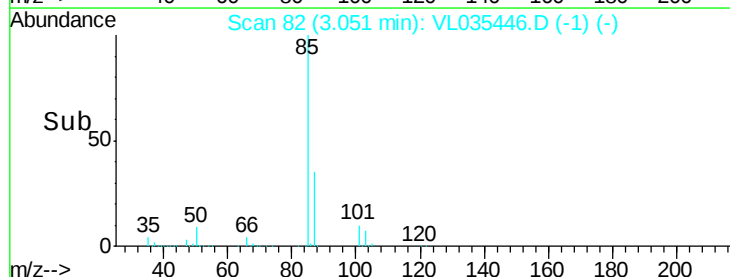
Tgt Ion: 85 Resp: 1733517

Ion	Ratio	Lower	Upper
85	100		
87	34.7	27.1	40.7

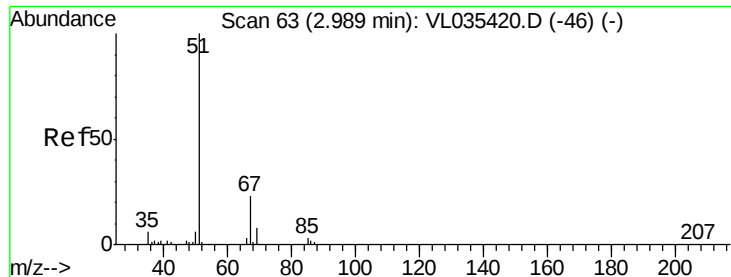


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.421 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

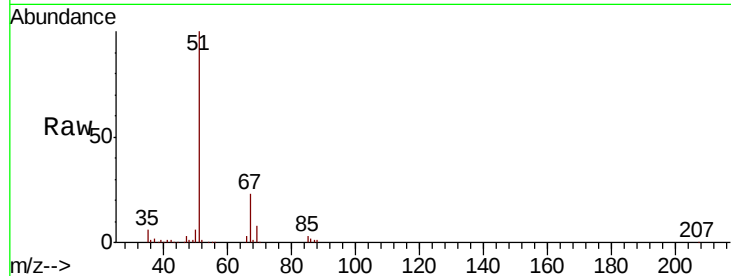
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1257786

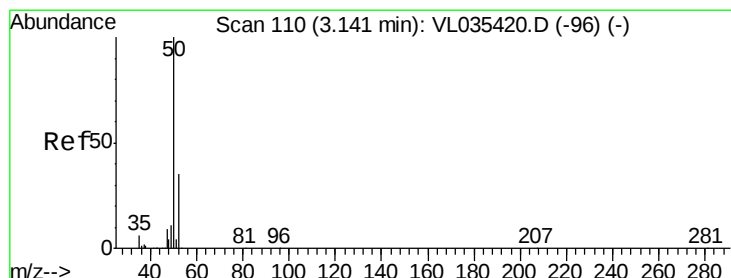
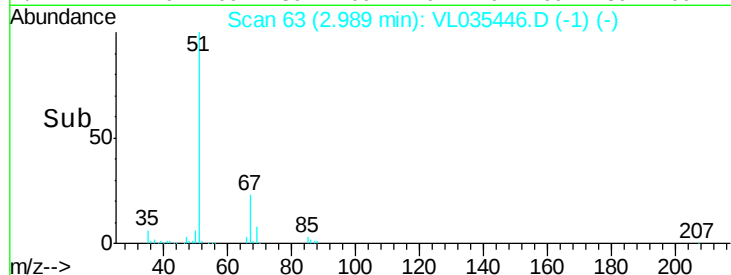
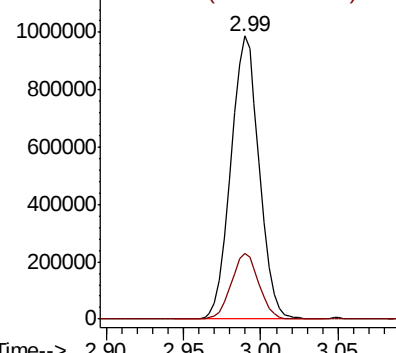
Ion Ratio Lower Upper

51 100

67 22.7 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.631 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035446.D

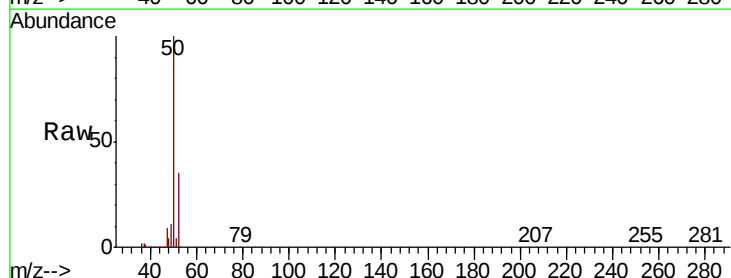
Acq: 18 Aug 2020 17:12

Tgt Ion: 50 Resp: 669916

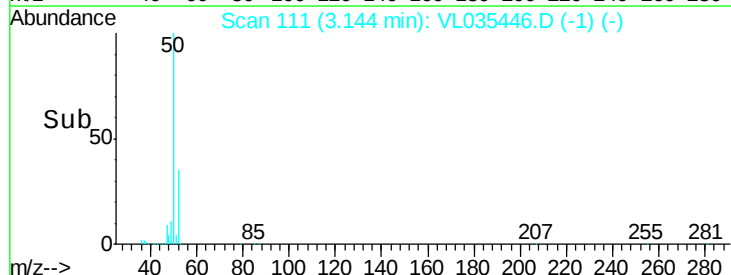
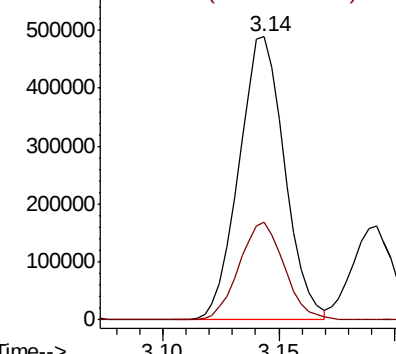
Ion Ratio Lower Upper

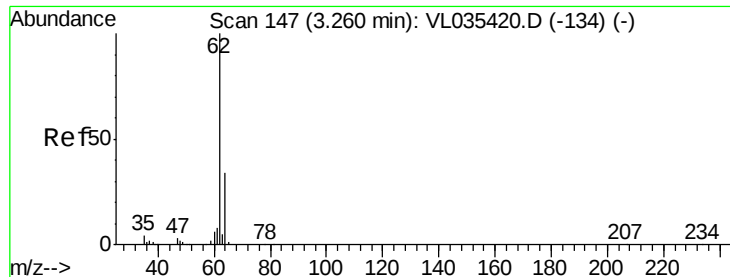
50 100

52 34.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.586 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

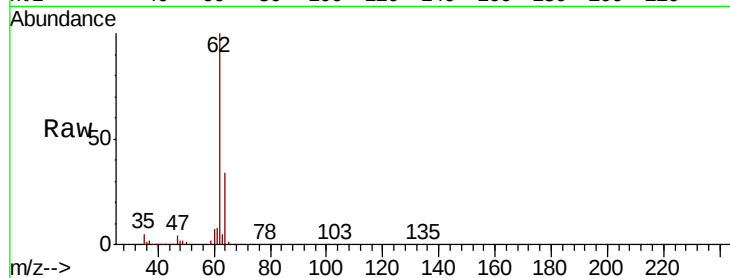
ClientSampleId :

Tot Ion: 62 Resp: 796855

Ion Ratio Lower Upper

62 100

64 34.1 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

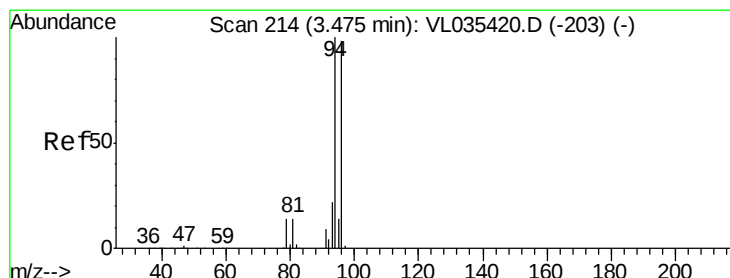
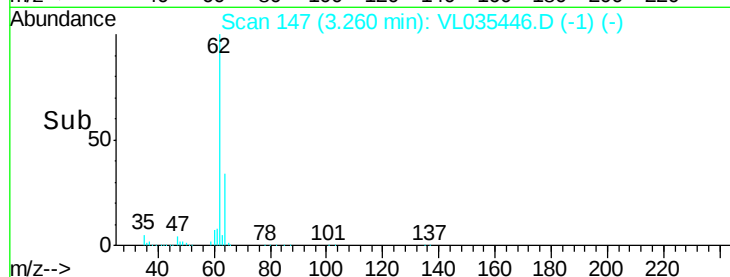
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.703 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035446.D

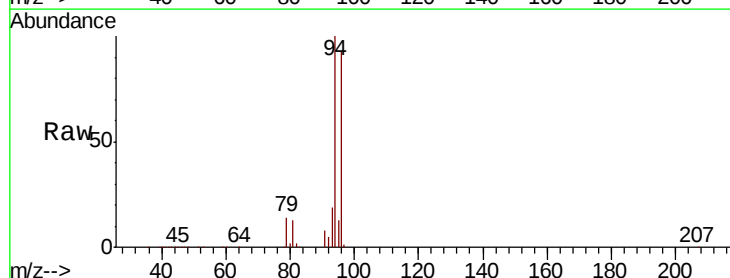
Acq: 18 Aug 2020 17:12

Tgt Ion: 94 Resp: 705387

Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

600000

500000

400000

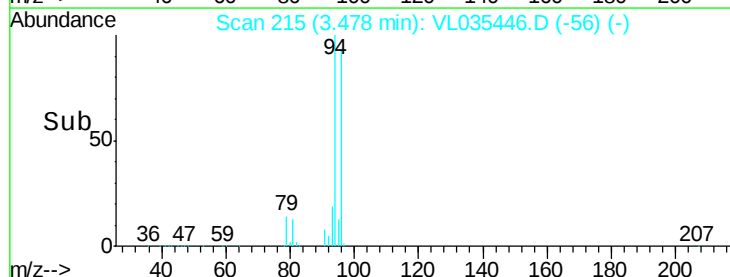
300000

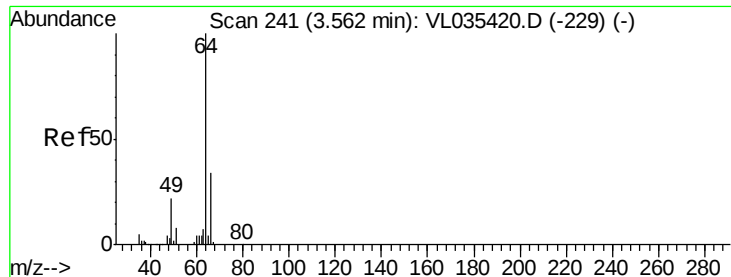
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.454 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

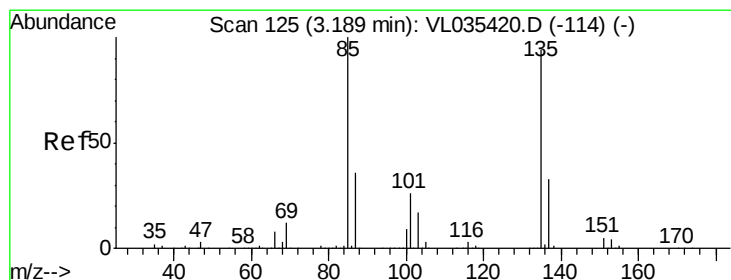
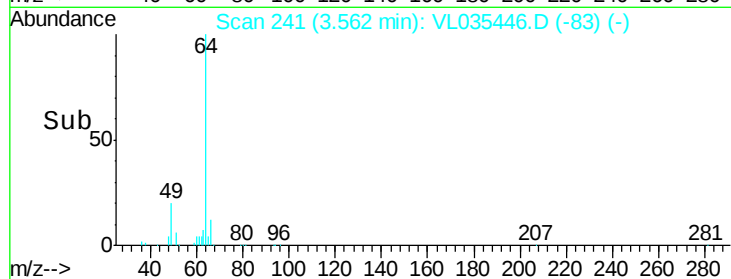
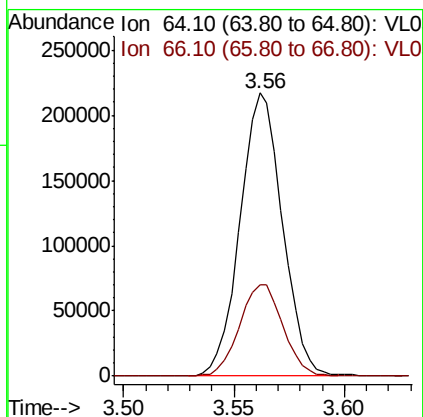
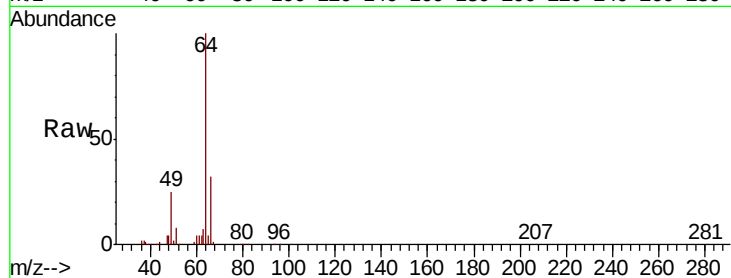
ClientSampleId :

Tot Ion: 64 Resp: 289497

Ion Ratio Lower Upper

64 100

66 32.3 24.5 36.7



#8

Dichlorotetrafluoroethane

Concen: 9.143 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL035446.D

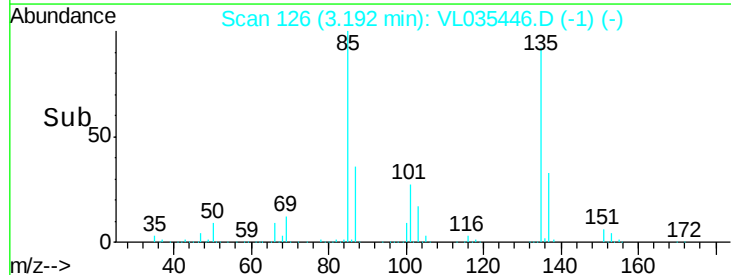
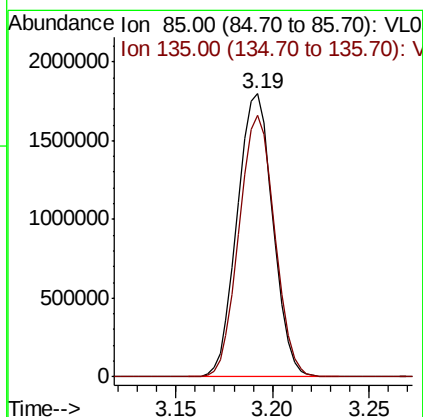
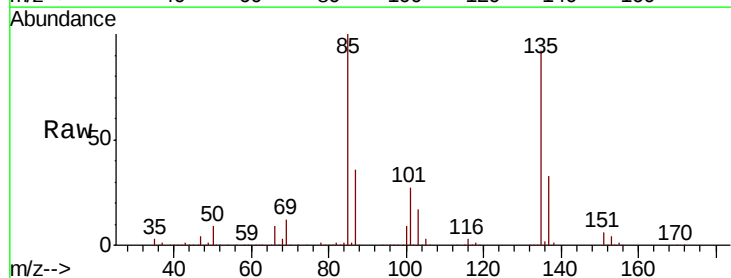
Acq: 18 Aug 2020 17:12

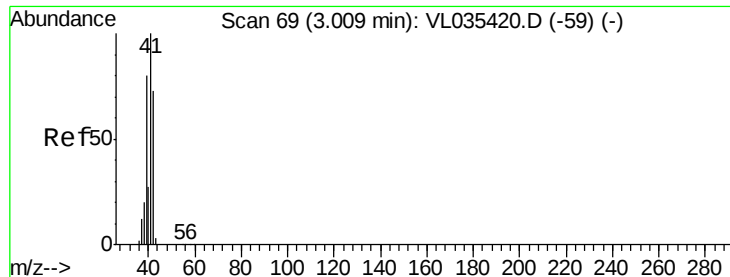
Tgt Ion: 85 Resp: 2310553

Ion Ratio Lower Upper

85 100

135 92.5 48.6 72.8#





#9

Propene

Concen: 9.288 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

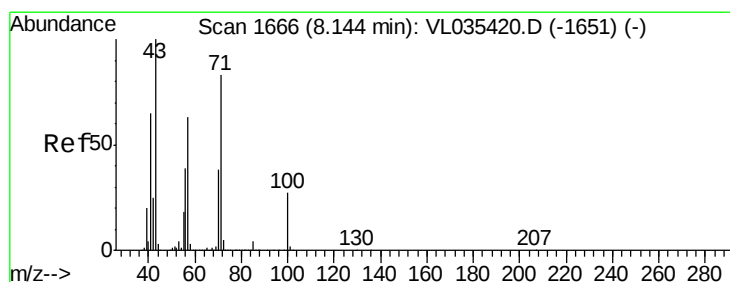
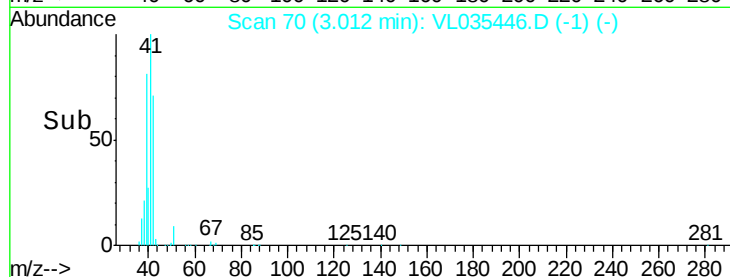
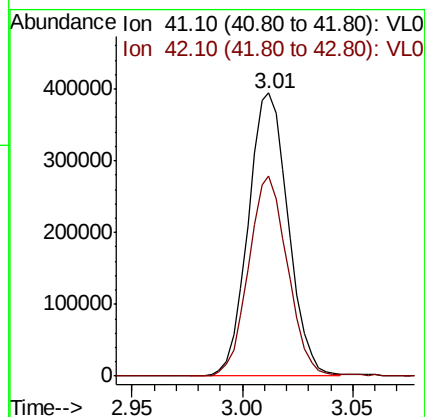
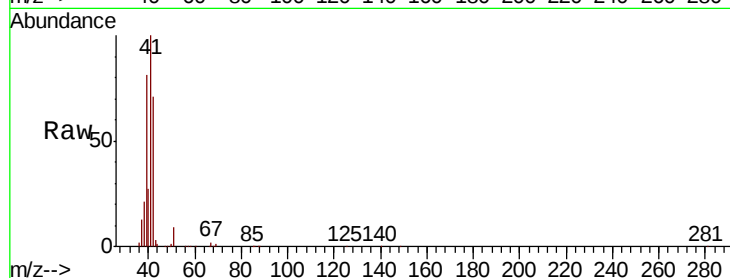
ClientSampleId :

Tot Ion: 41 Resp: 498422

Ion Ratio Lower Upper

41 100

42 69.5 55.5 83.3



#10

Heptane

Concen: 9.676 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035446.D

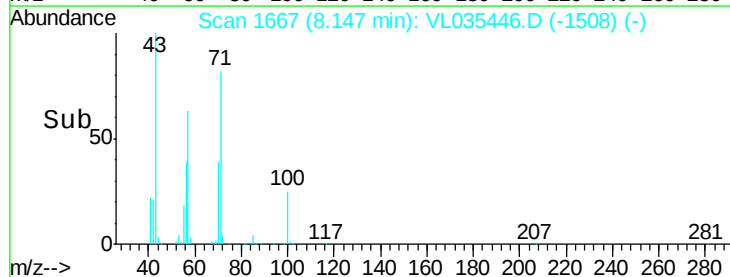
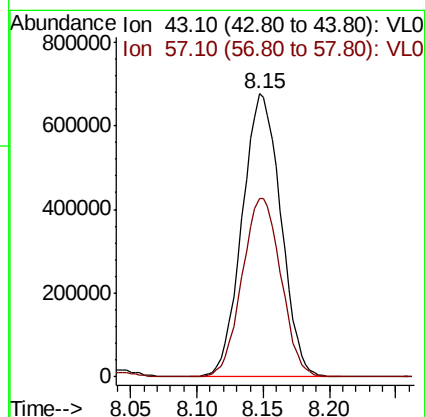
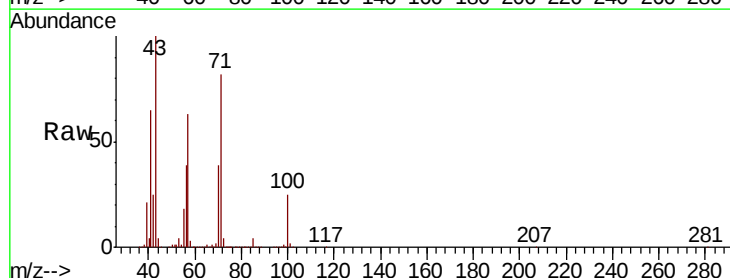
Acq: 18 Aug 2020 17:12

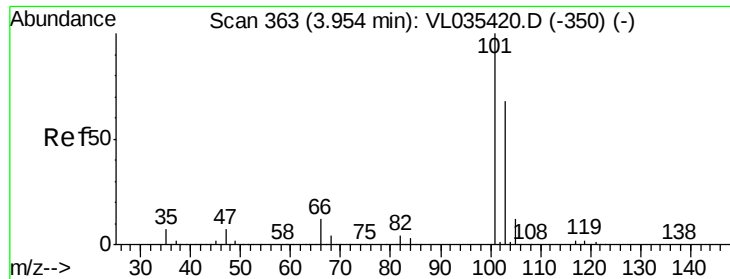
Tgt Ion: 43 Resp: 1361406

Ion Ratio Lower Upper

43 100

57 64.1 39.8 59.6#

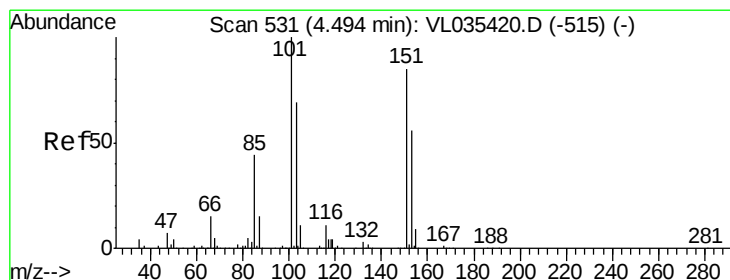
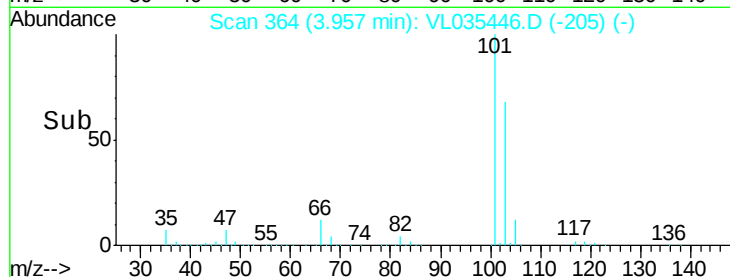
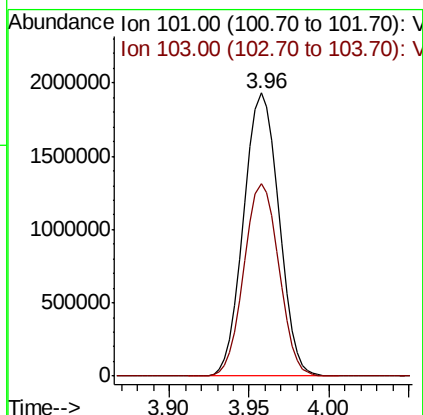
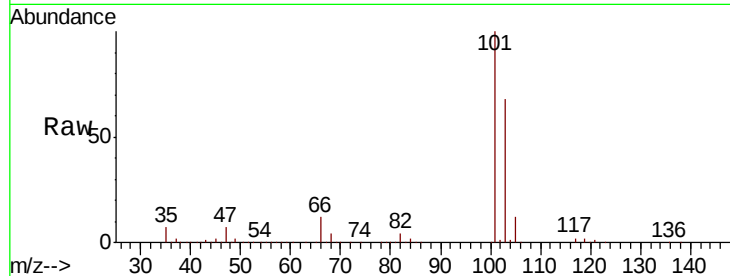




#11
 Trichlorofluoromethane
 Concen: 9.372 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

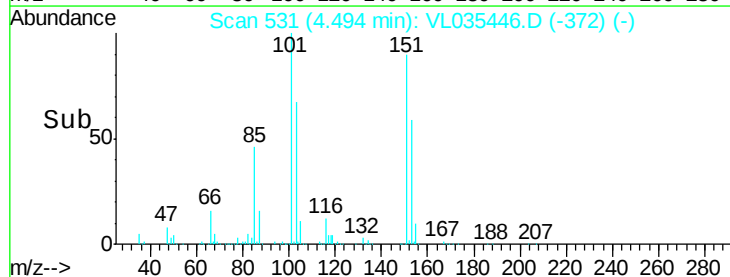
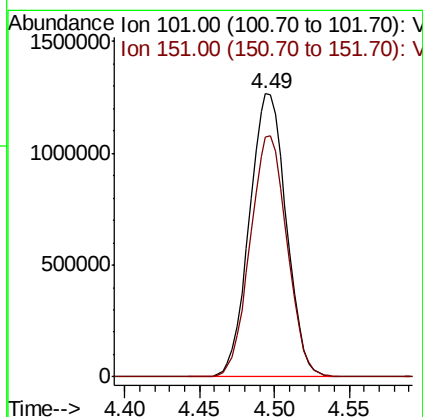
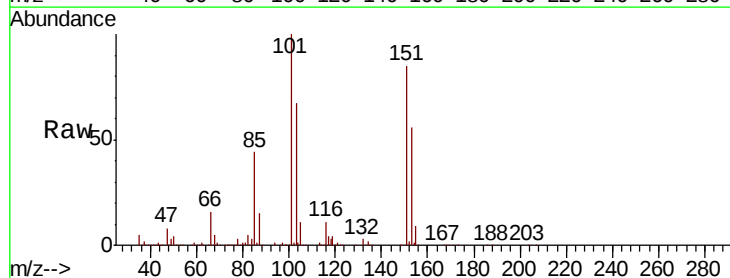
Instrument :
 MSVOA_L
 ClientSampleId :

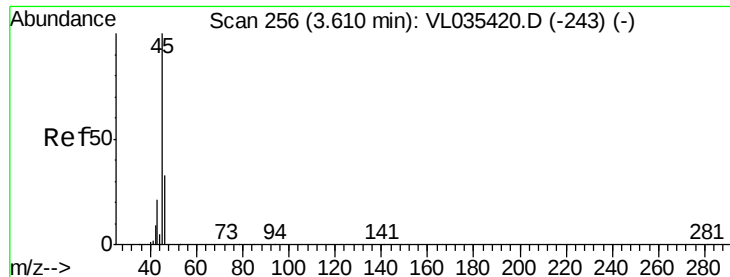
Tot Ion:101 Resp: 2902319
 Ion Ratio Lower Upper
 101 100
 103 68.2 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.422 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion:101 Resp: 2174275
 Ion Ratio Lower Upper
 101 100
 151 85.5 53.6 80.4#





#13

Ethanol

Concen: 6.224 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

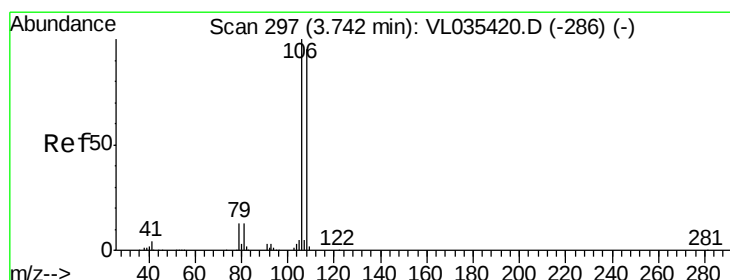
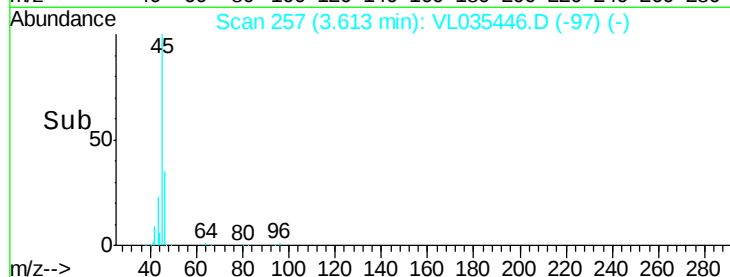
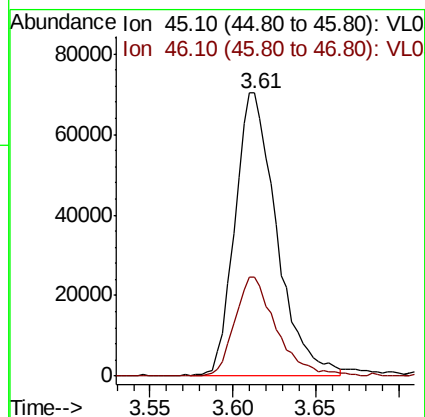
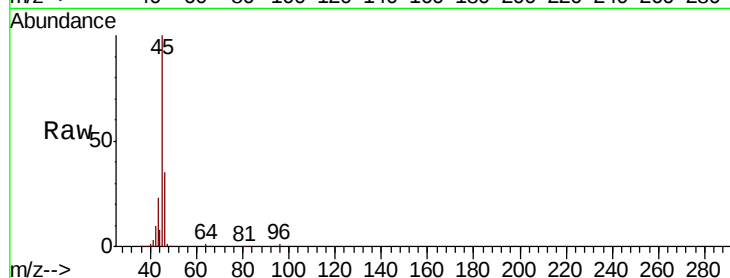
ClientSampleId :

Tot Ion: 45 Resp: 122369

Ion Ratio Lower Upper

45 100

46 35.7 14.2 56.6



#14

Bromoethene

Concen: 9.647 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

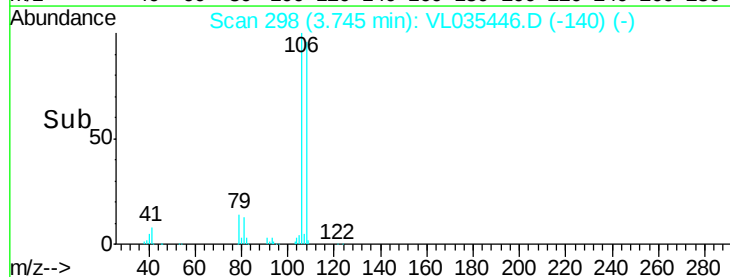
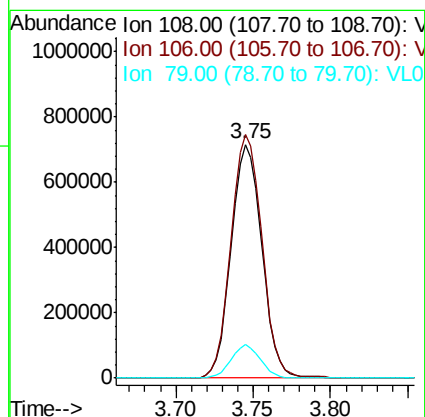
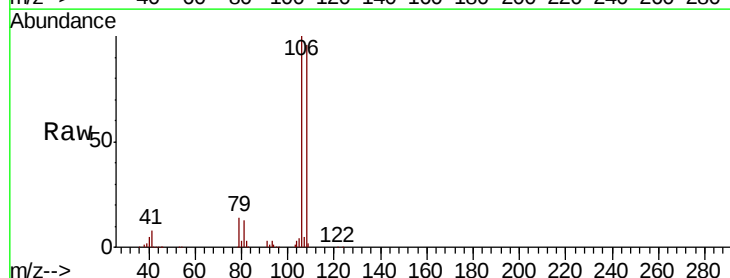
Tgt Ion: 108 Resp: 983776

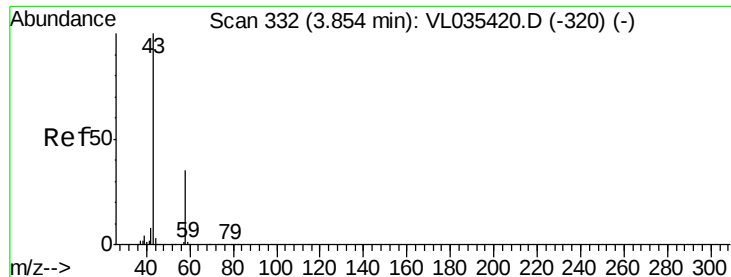
Ion Ratio Lower Upper

108 100

106 105.4 86.7 130.1

79 13.9 16.8 25.2#





#15

Acetone

Concen: 8.375 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

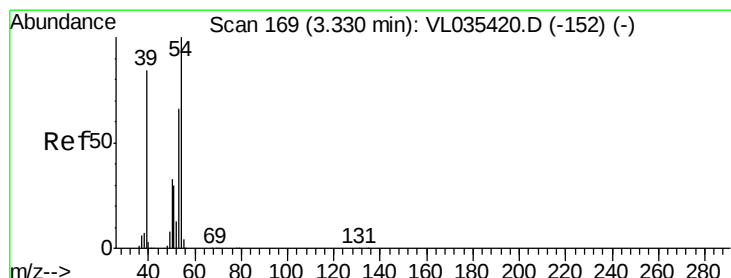
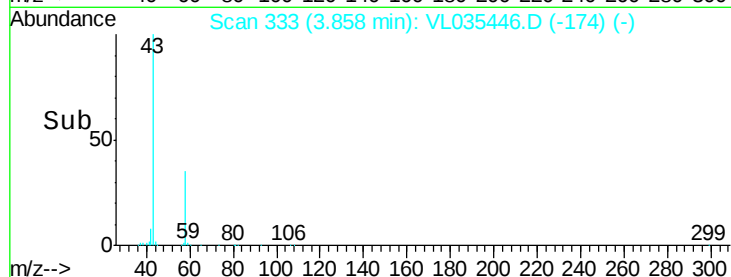
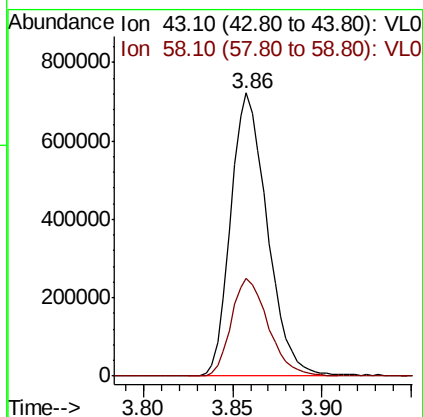
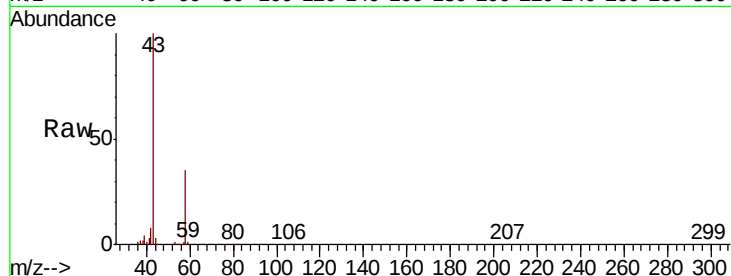
ClientSampleId :

Tot Ion: 43 Resp: 1026395

Ion Ratio Lower Upper

43 100

58 35.2 21.0 31.6#



#16

1,3-Butadiene

Concen: 9.711 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035446.D

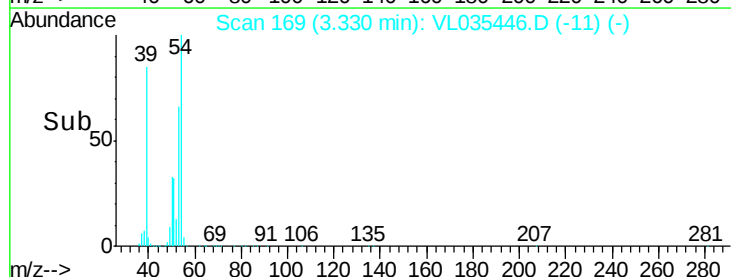
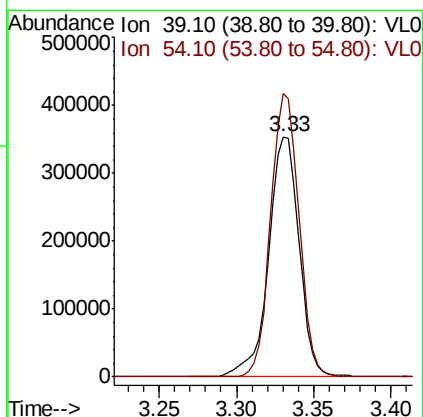
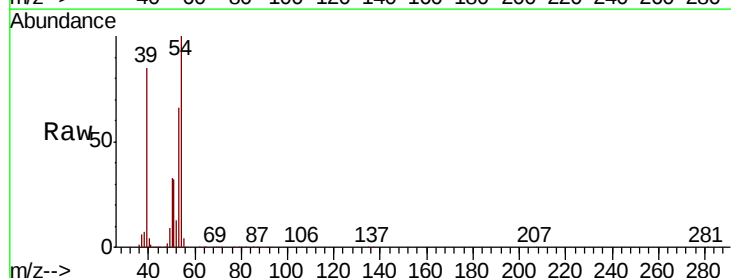
Acq: 18 Aug 2020 17:12

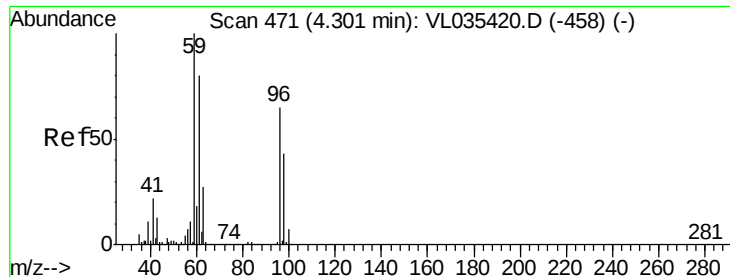
Tgt Ion: 39 Resp: 482659

Ion Ratio Lower Upper

39 100

54 110.5 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 9.690 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

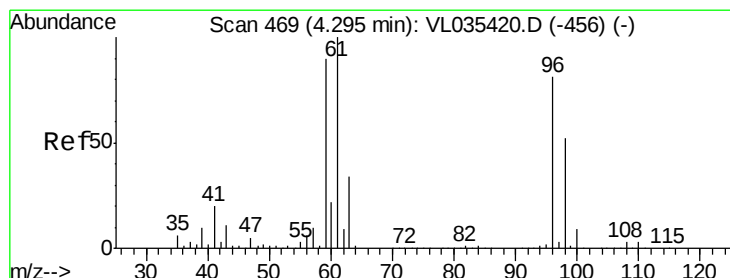
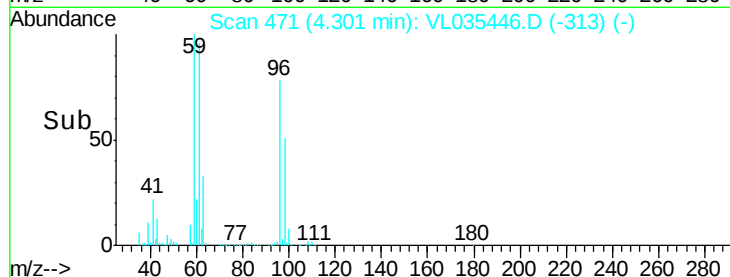
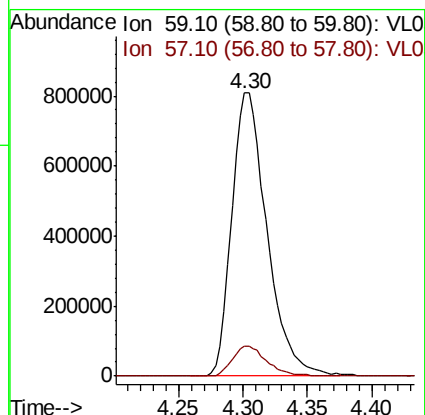
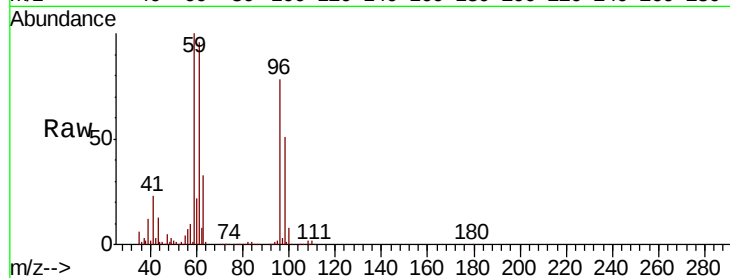
ClientSampleId :

Tot Ion: 59 Resp: 1534943

Ion Ratio Lower Upper

59 100

57 10.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.710 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

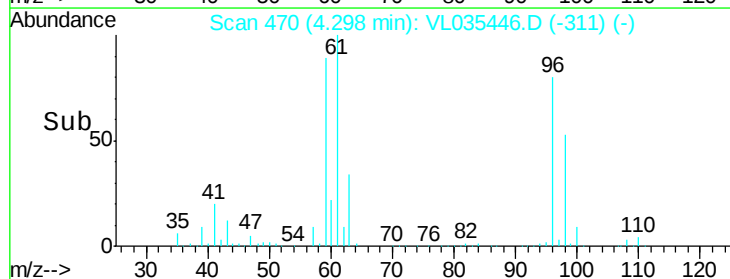
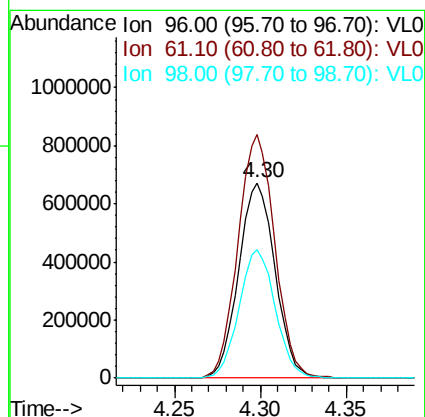
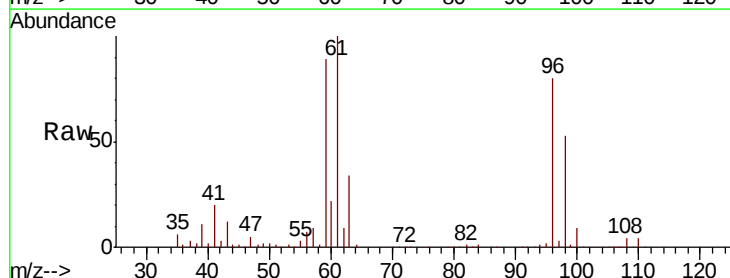
Tgt Ion: 96 Resp: 989356

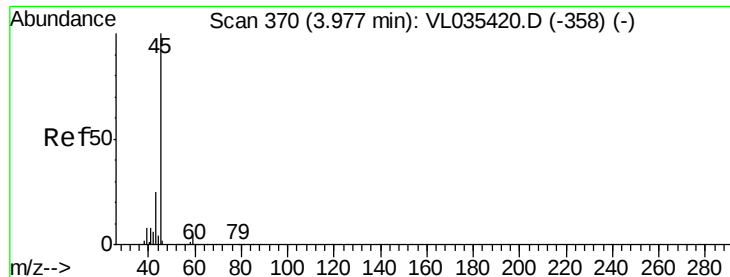
Ion Ratio Lower Upper

96 100

61 124.6 161.8 242.6#

98 65.8 49.3 73.9





#19

Isopropyl Alcohol

Concen: 9.381 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

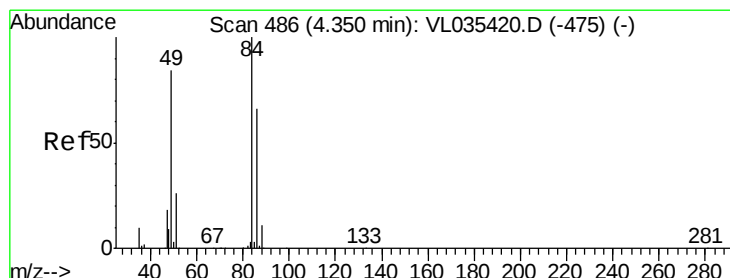
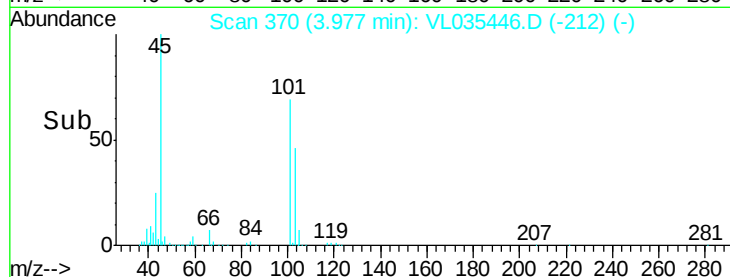
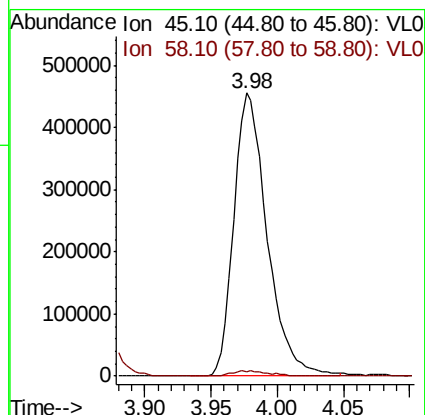
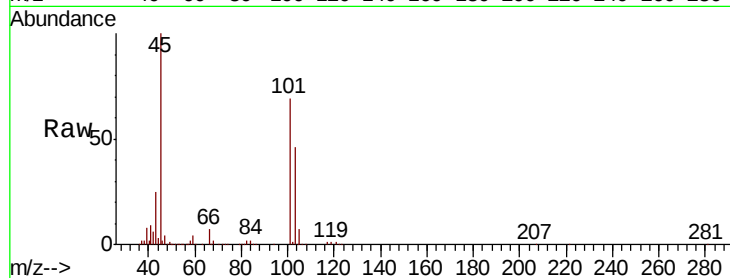
ClientSampled :

Tot Ion: 45 Resp: 792422

Ion Ratio Lower Upper

45 100

58 2.4 1.0 1.6#



#20

Methylene Chloride

Concen: 7.848 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 84 Resp: 776010

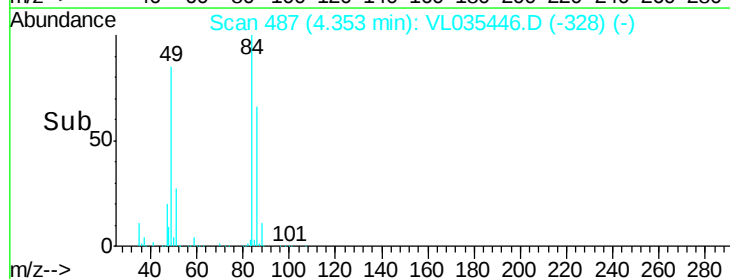
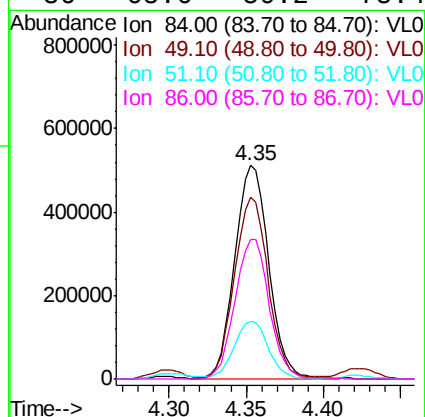
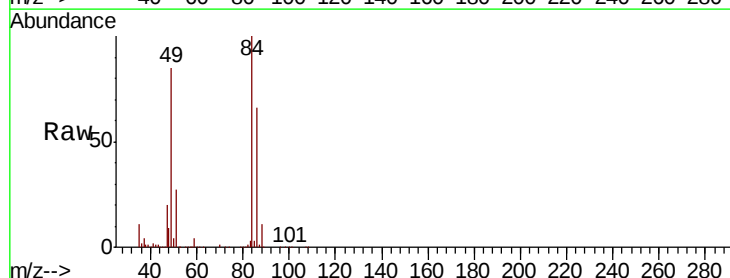
Ion Ratio Lower Upper

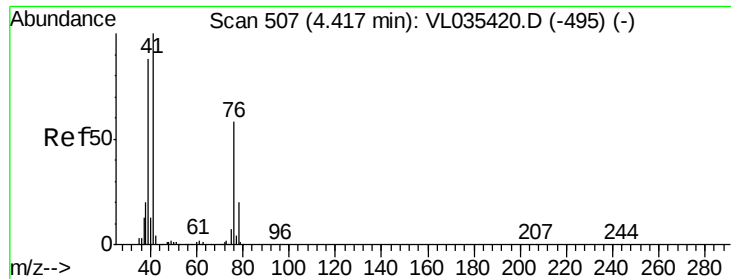
84 100

49 84.3 118.6 177.8#

51 26.2 36.4 54.6#

86 65.6 50.2 75.4

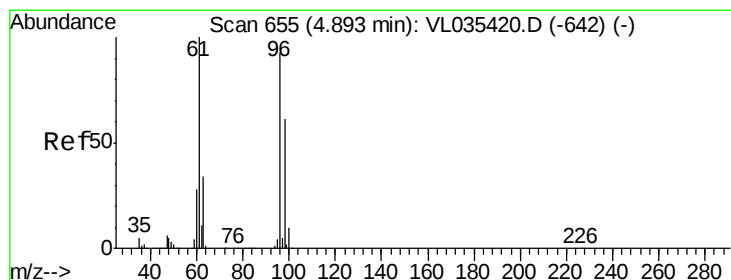
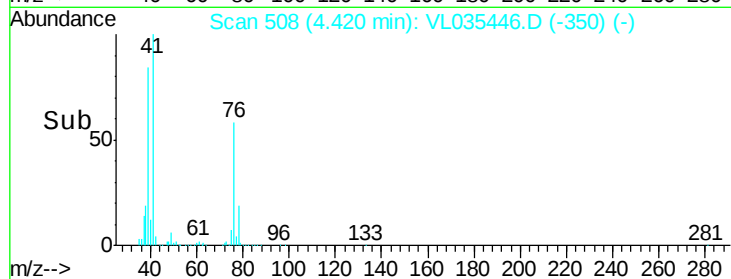
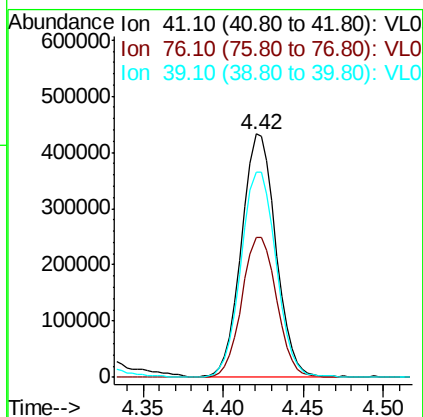
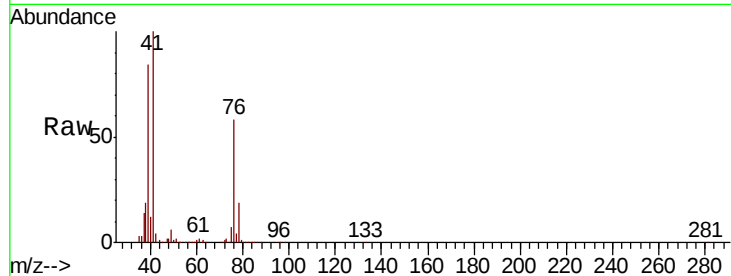




#21
 Allvl Chloride
 Concen: 10.078 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

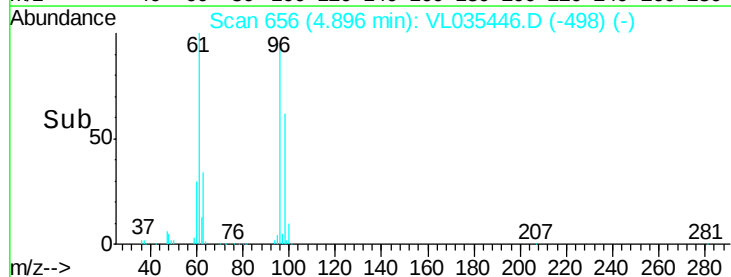
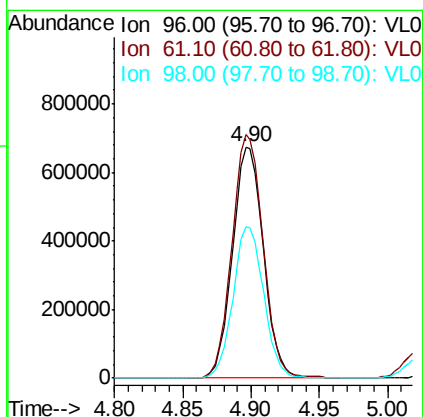
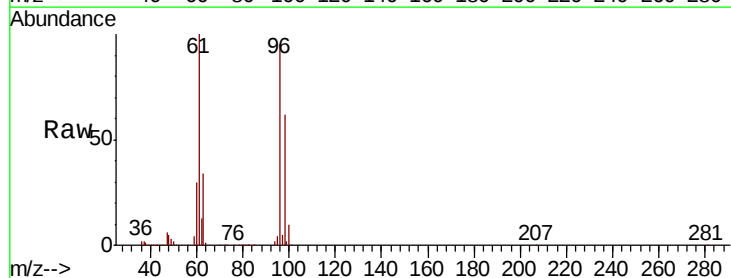
Instrument :
 MSVOA_L
 ClientSampled :

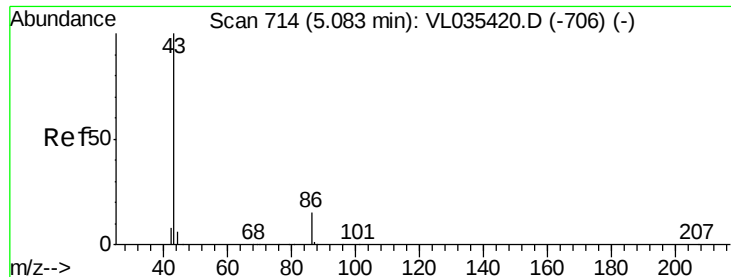
Tot Ion: 41 Resp: 627659
 Ion Ratio Lower Upper
 41 100
 76 59.0 22.8 34.2#
 39 87.0 66.2 99.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.759 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 96 Resp: 1061163
 Ion Ratio Lower Upper
 96 100
 61 105.2 142.2 213.2#
 98 65.3 51.8 77.8





#23

Vinyl Acetate

Concen: 9.786 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

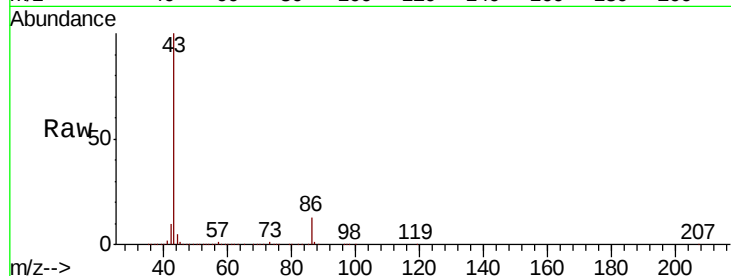
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 1714592

Ion	Ratio	Lower	Upper
43	100		
86	13.1	6.5	9.7#
42	9.8	8.3	12.5
44	4.9	4.0	6.0

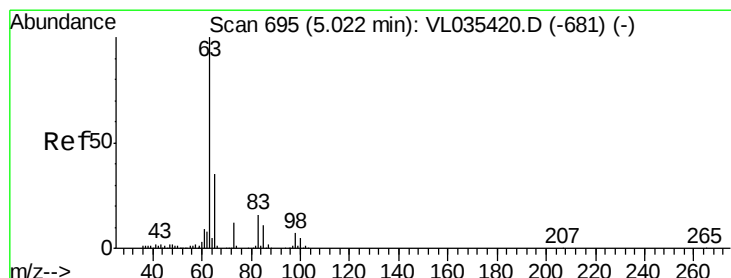
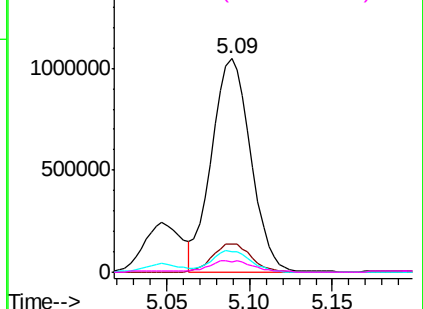
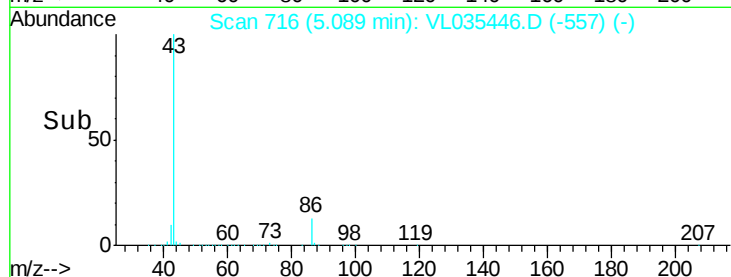


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 9.554 ppbv

RT: 5.02 min Scan# 696

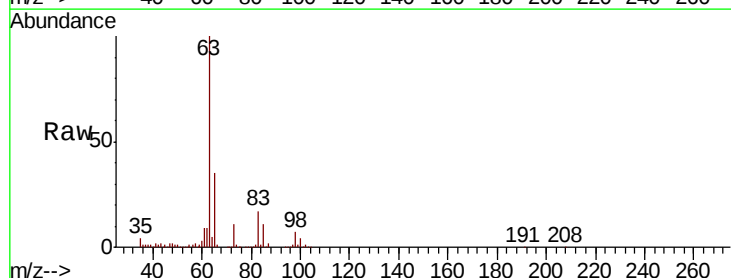
Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 63 Resp: 1670464

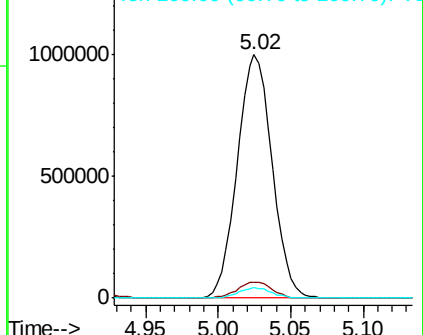
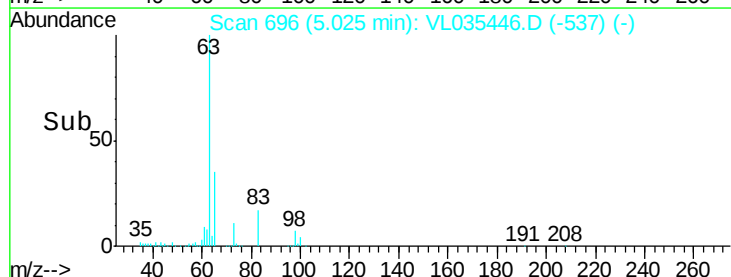
Ion	Ratio	Lower	Upper
63	100		
98	6.7	2.1	6.5#
100	4.3	1.3	3.8#

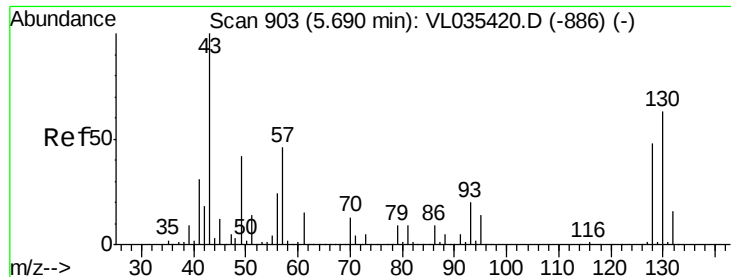


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.153 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

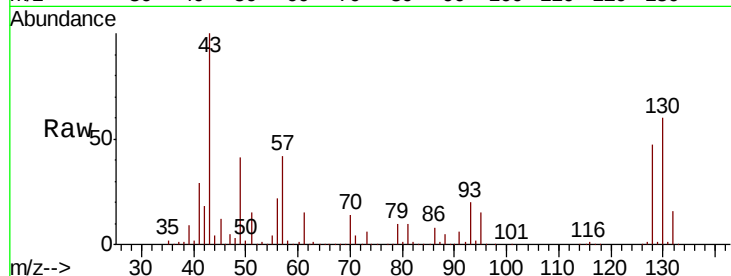
Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2182980

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	13.2	7.6	11.4#
70	11.9	6.0	9.0#



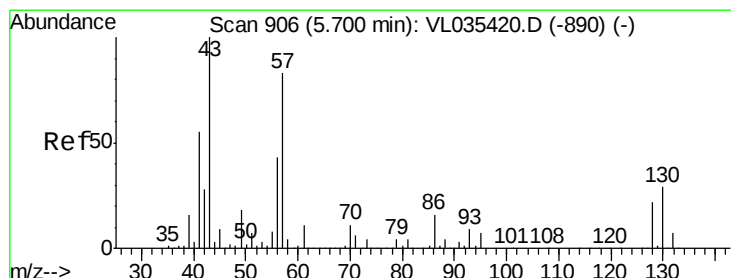
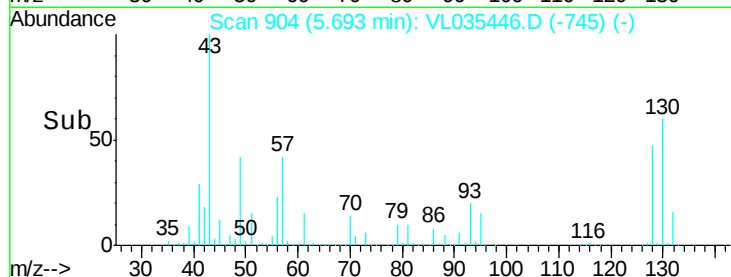
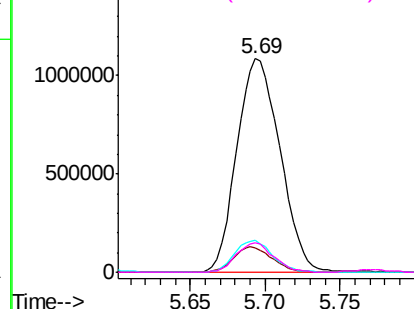
Abundance

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: 9.197 ppbv

RT: 5.70 min Scan# 907

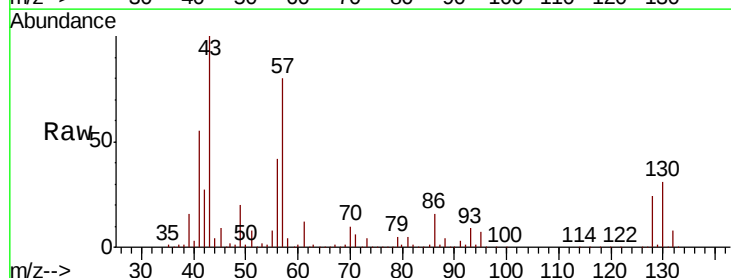
Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 57 Resp: 1237775

Ion	Ratio	Lower	Upper
57	100		
41	71.6	75.5	113.3#
43	177.5	181.7	272.5#
56	52.3	42.4	63.6



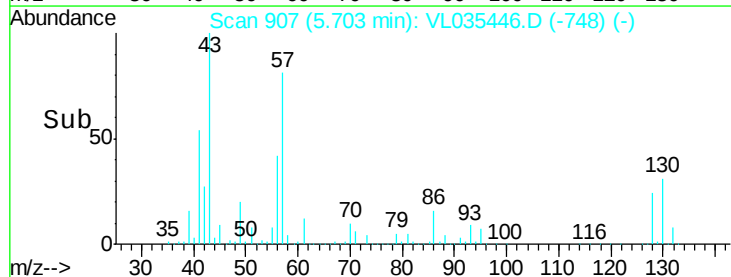
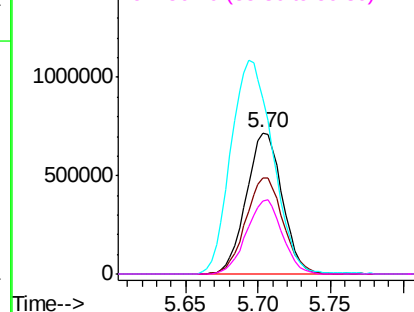
Abundance

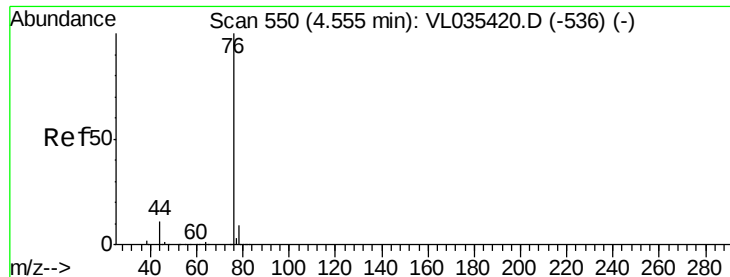
Ion 57.10 (56.80 to 57.80): VL0

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: 10.512 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

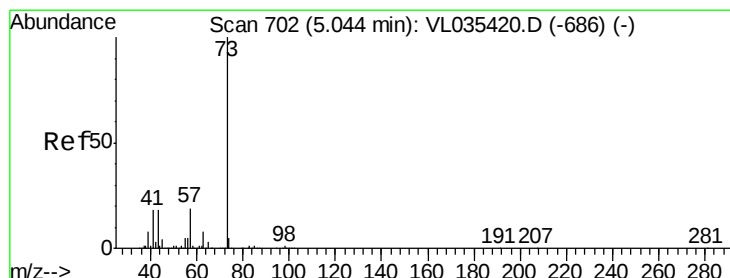
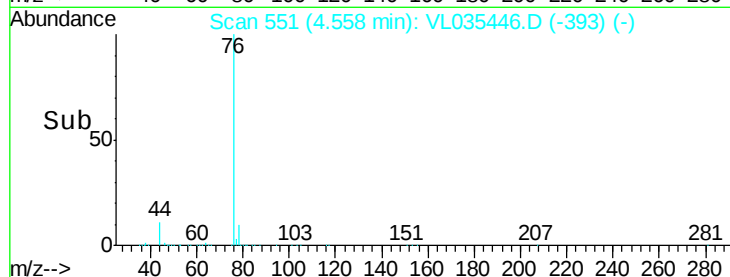
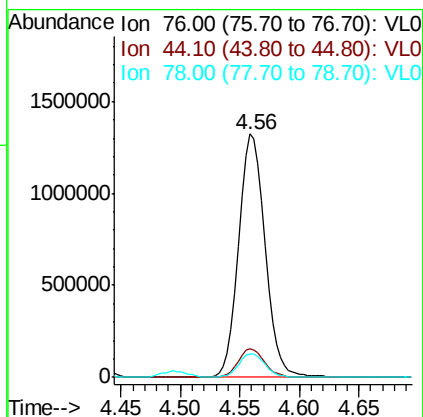
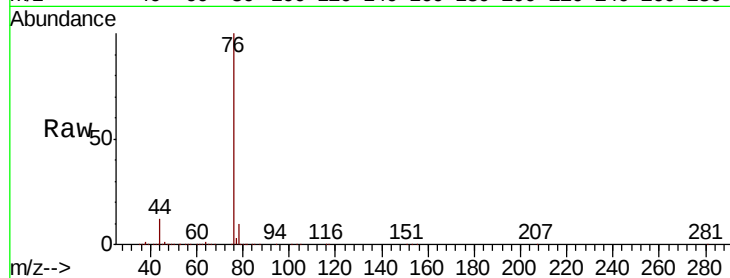
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 2044943

Ion	Ratio	Lower	Upper
76	100		
44	11.6	16.8	25.2#
78	9.6	7.3	10.9



#28

Methyl tert-Butyl Ether

Concen: 9.440 ppbv

RT: 5.05 min Scan# 703

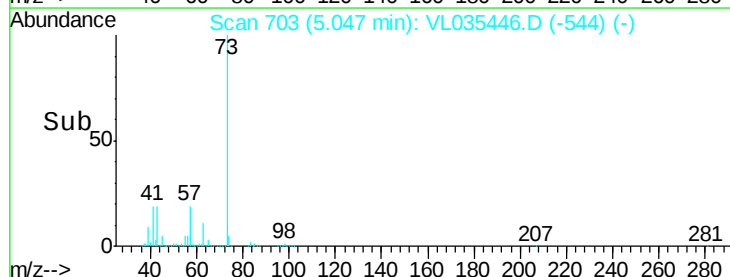
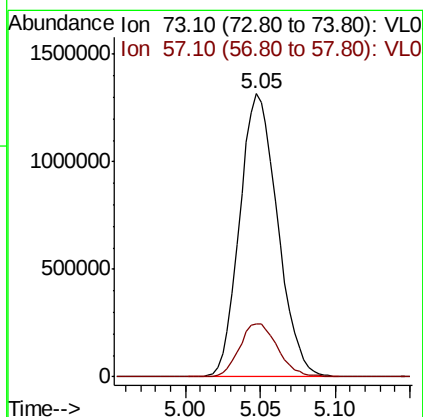
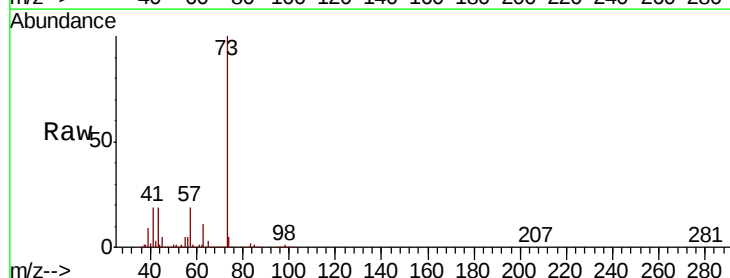
Delta R.T. 0.01 min

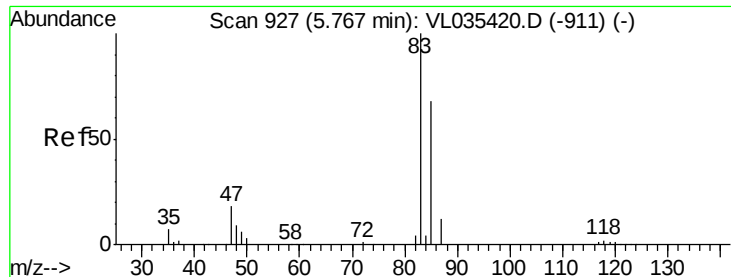
Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 73 Resp: 2320852

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.3	27.5

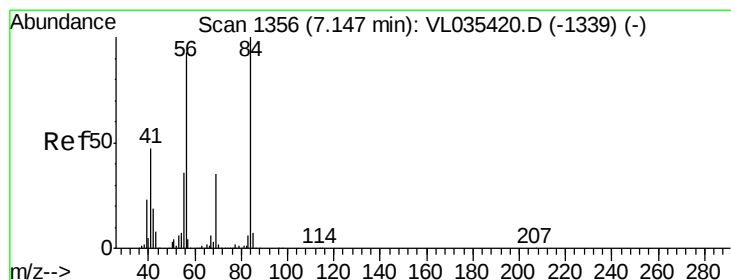
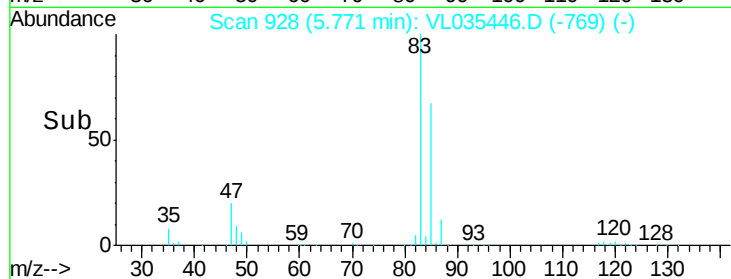
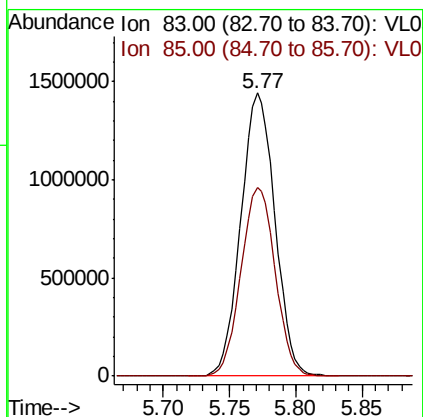
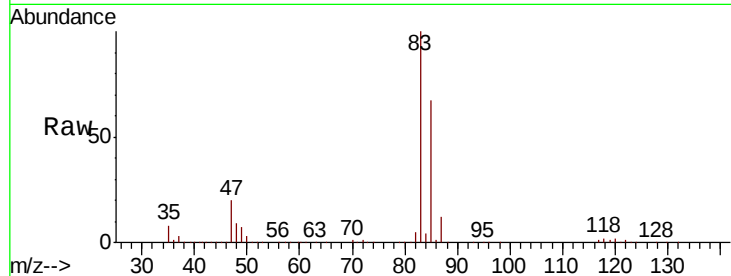




#29
Chloroform
Concen: 9.540 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

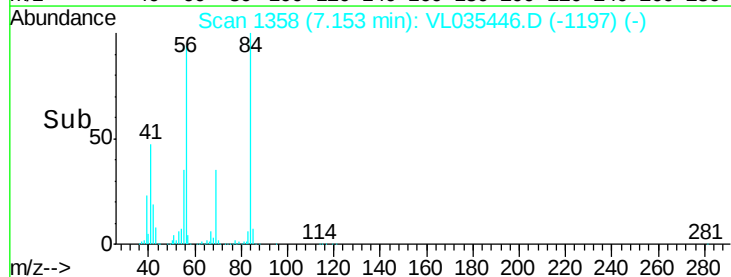
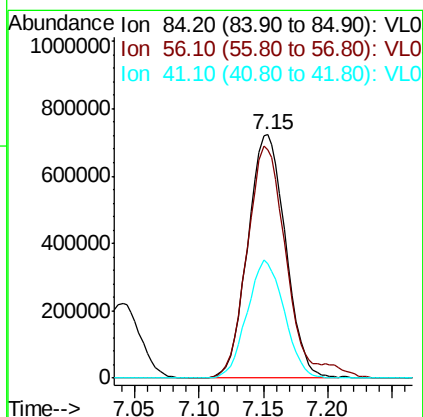
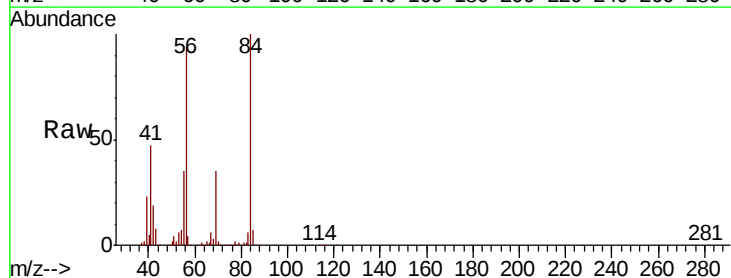
Instrument :
MSVOA_L
ClientSampleId :

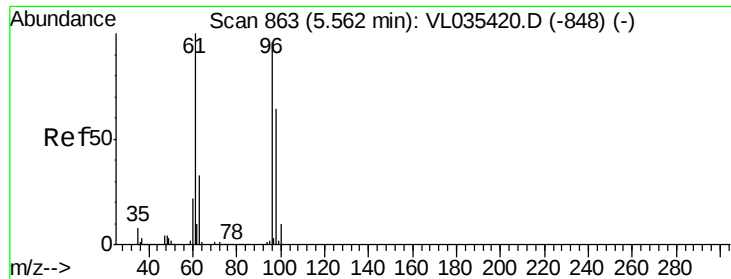
Tot Ion: 83 Resp: 2579635
Ion Ratio Lower Upper
83 100
85 66.6 52.7 79.1



#30
Cyclohexane
Concen: 9.894 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 84 Resp: 1477345
Ion Ratio Lower Upper
84 100
56 99.7 114.9 172.3#
41 47.5 72.3 108.5#



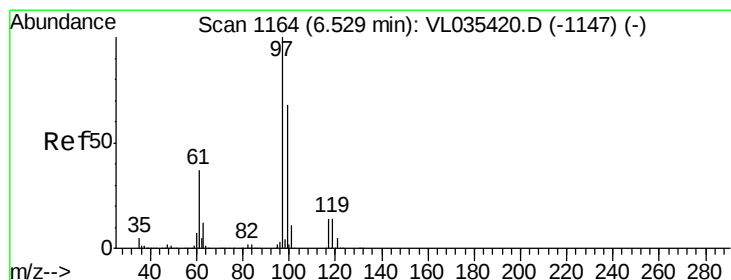
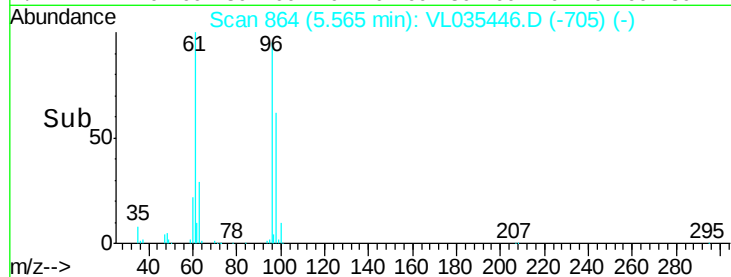
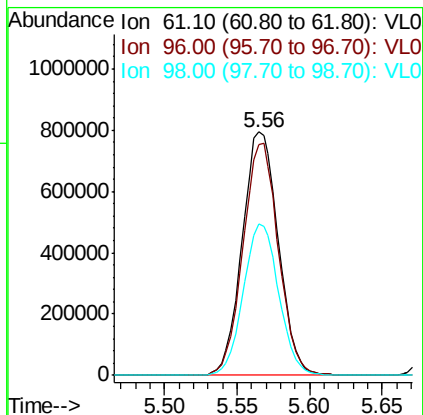
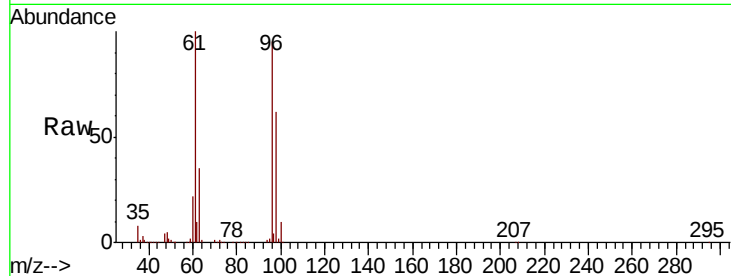


#31

cis-1,2-Dichloroethene
 Concen: 9.745 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampled :

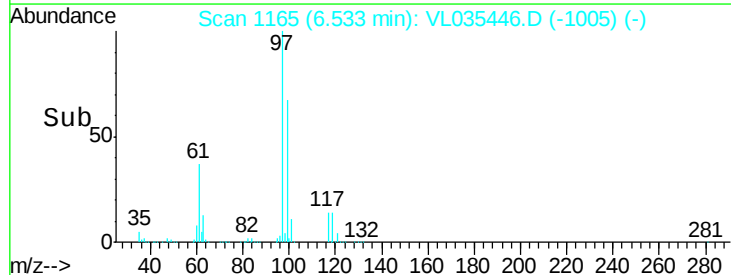
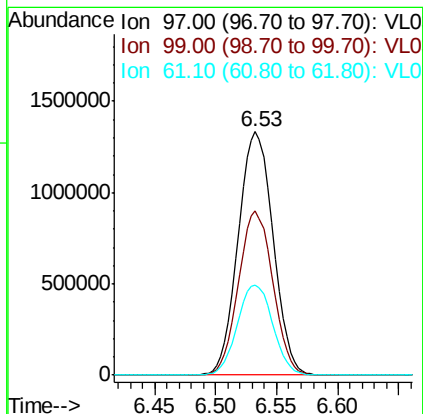
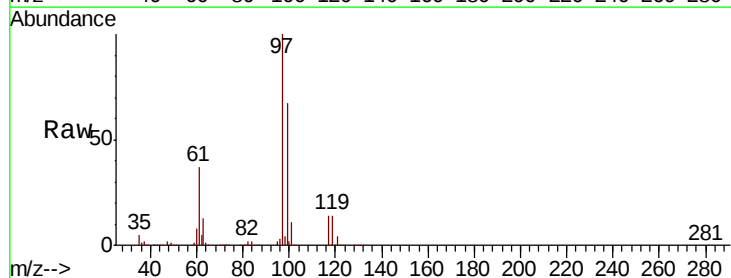
Tot Ion: 61 Resp: 1379410
 Ion Ratio Lower Upper
 61 100
 96 94.9 51.4 77.0#
 98 62.1 32.9 49.3#

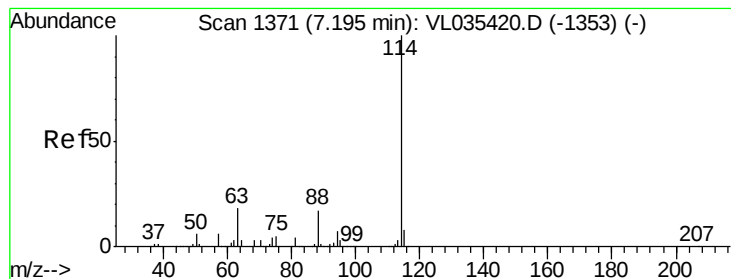


#32

1,1,1-Trichloroethane
 Concen: 10.424 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 97 Resp: 2641569
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.4 77.0
 61 37.6 41.0 61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

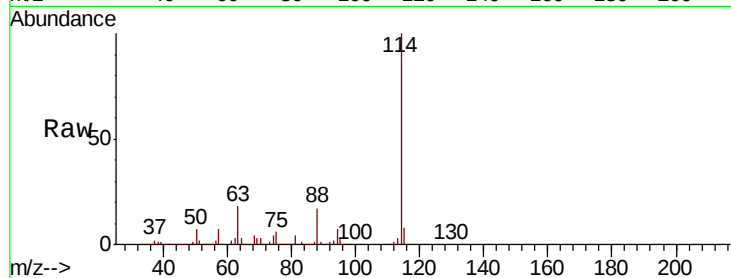
Tot Ion:114 Resp: 4872559

Ion Ratio Lower Upper

114 100

63 17.9 23.1 34.7#

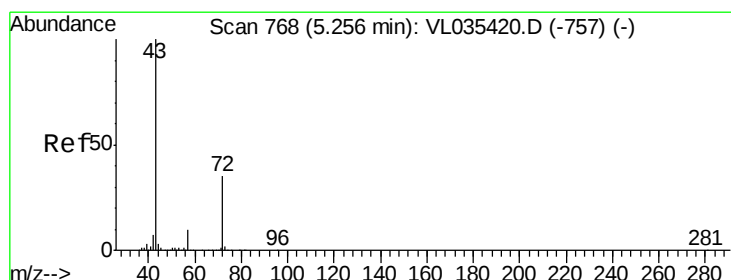
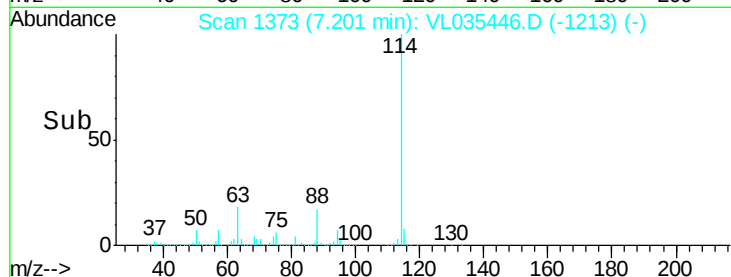
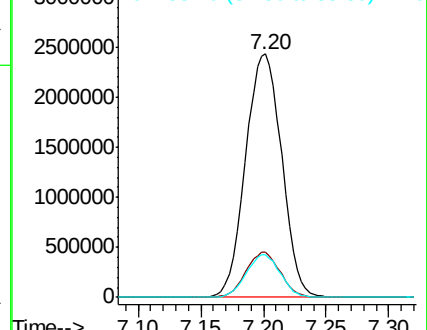
88 16.5 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.447 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035446.D

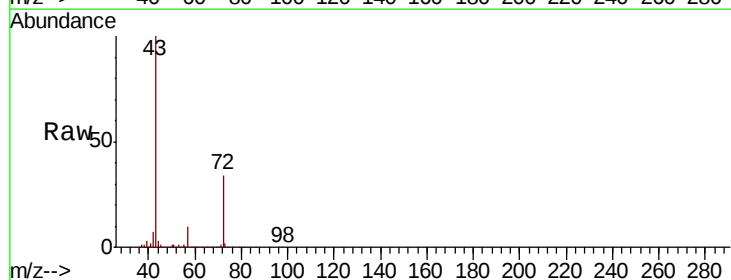
Acq: 18 Aug 2020 17:12

Tgt Ion: 43 Resp: 1537895

Ion Ratio Lower Upper

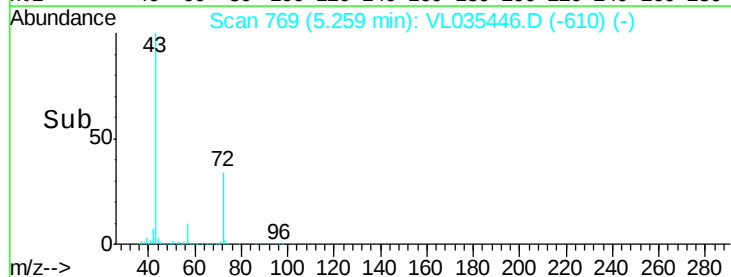
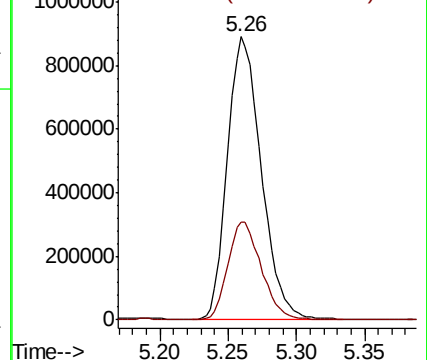
43 100

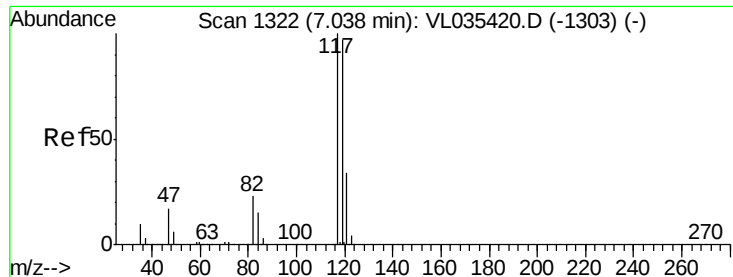
72 34.3 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.994 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

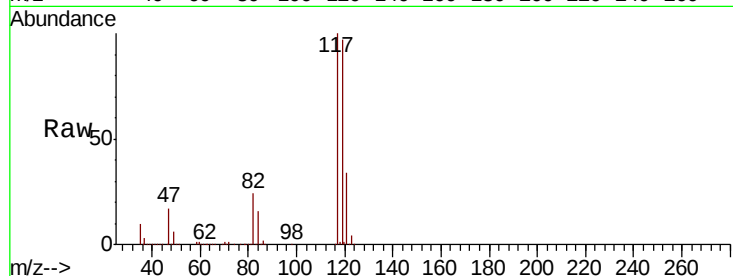
Tot Ion:117 Resp: 2848991

Ion Ratio Lower Upper

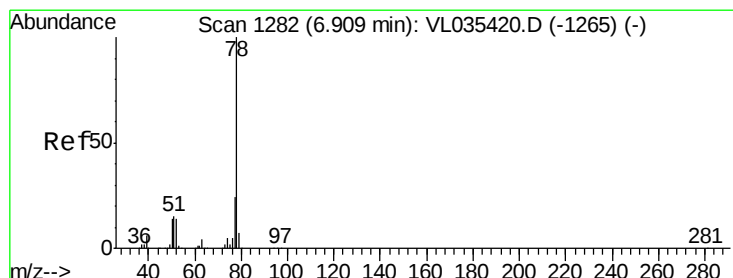
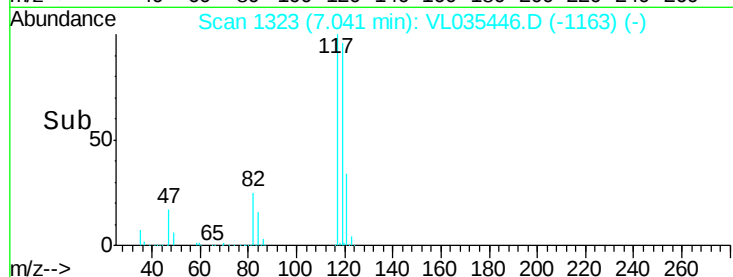
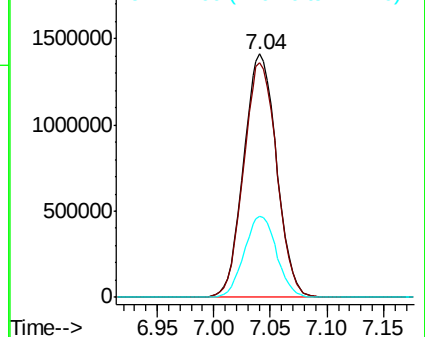
117 100

119 96.6 76.1 114.1

121 33.6 25.5 38.3



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: 9.317 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

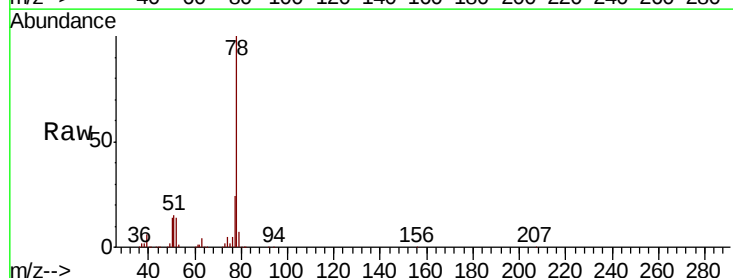
Tgt Ion: 78 Resp: 3331803

Ion Ratio Lower Upper

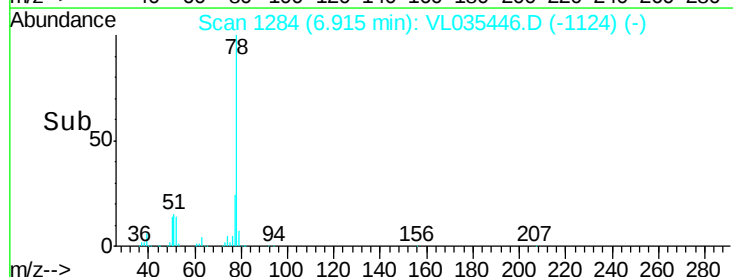
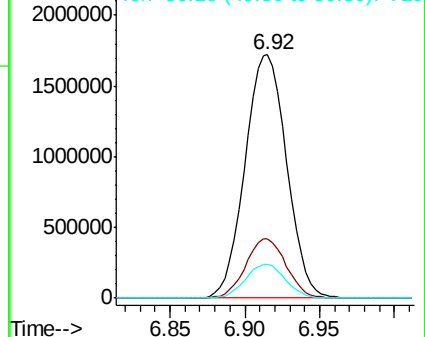
78 100

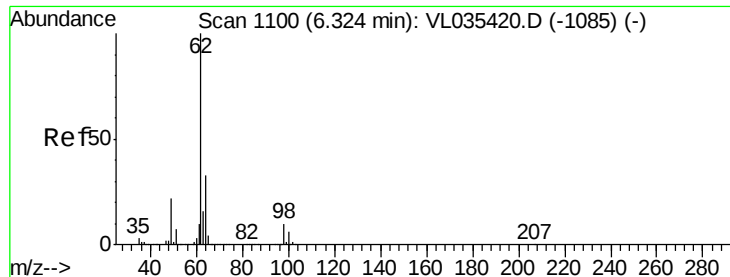
77 24.1 19.6 29.4

50 13.7 16.3 24.5#



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

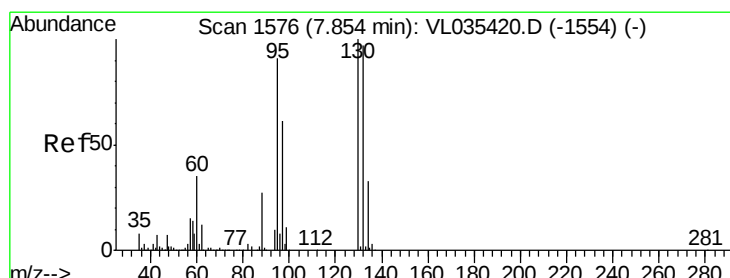
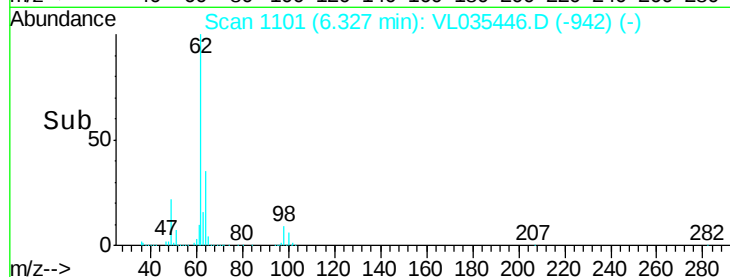
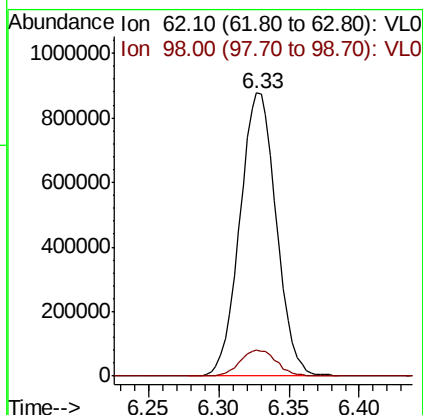
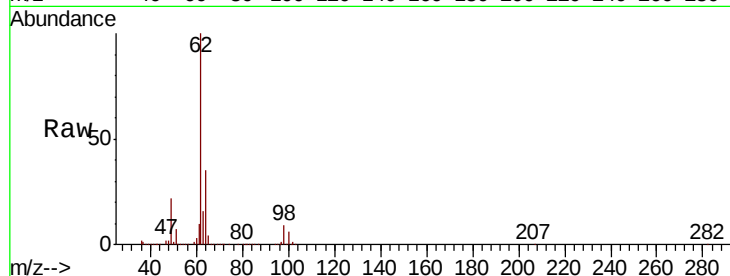




#37
 1,2-Dichloroethane
 Concen: 9.713 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

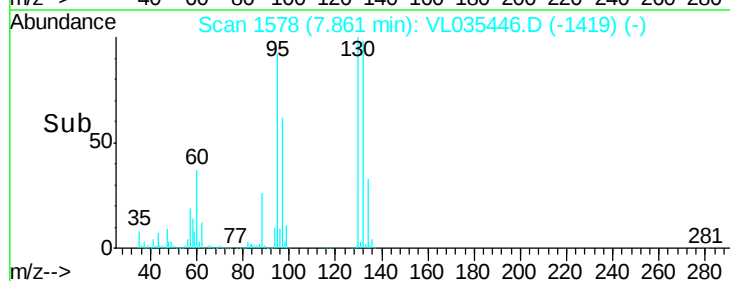
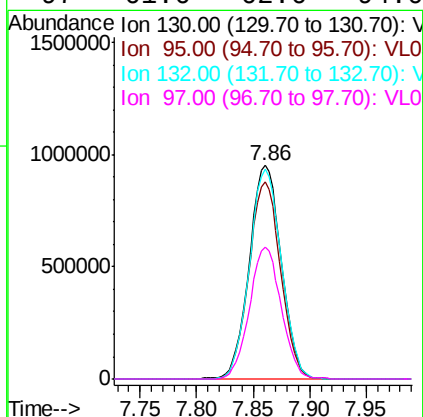
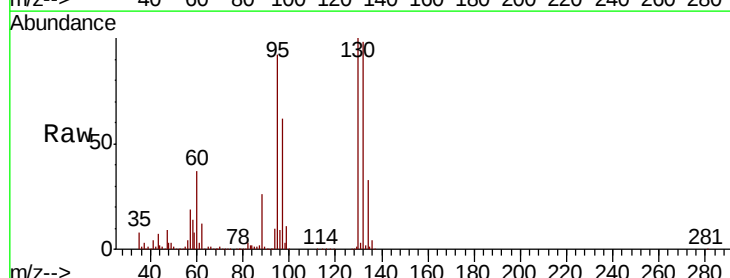
Instrument :
 MSVOA_L
 ClientSampleId :

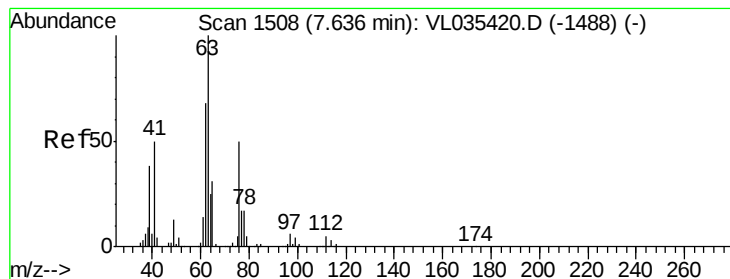
Tot Ion: 62 Resp: 1587496
 Ion Ratio Lower Upper
 62 100
 98 9.3 4.6 7.0#



#38
 Trichloroethene
 Concen: 9.446 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 130 Resp: 1879161
 Ion Ratio Lower Upper
 130 100
 95 92.3 95.8 143.8#
 132 98.1 74.3 111.5
 97 61.6 62.6 94.0#





#39

1,2-Dichloropropane

Concen: 9.501 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

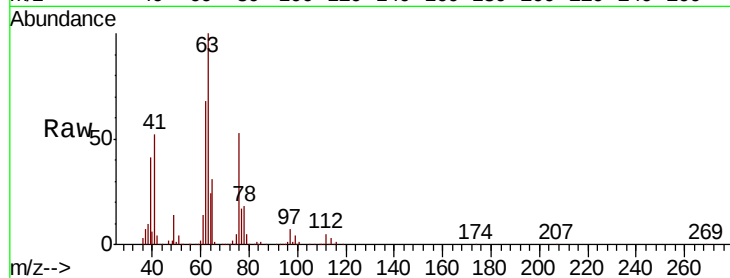
Tot Ion: 63 Resp: 1119775

Ion Ratio Lower Upper

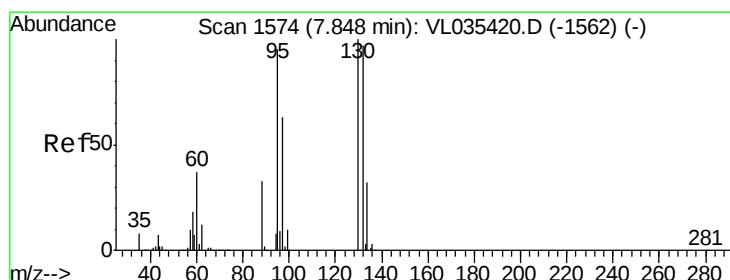
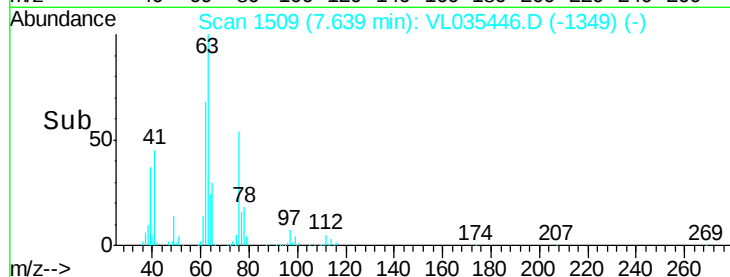
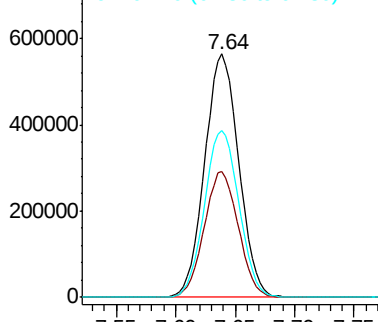
63 100

41 51.8 61.1 91.7#

62 68.3 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.394 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 88 Resp: 603125

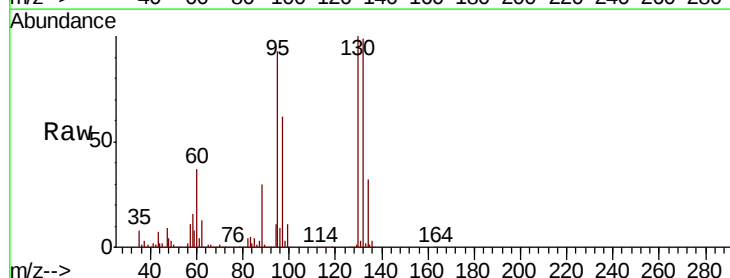
Ion Ratio Lower Upper

88 100

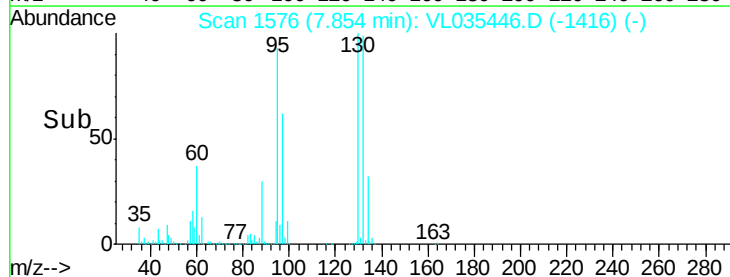
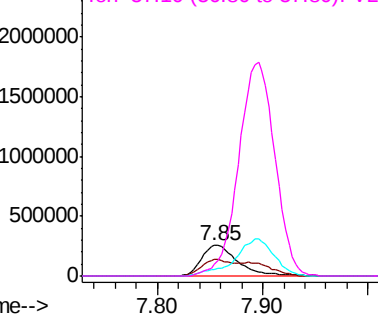
58 86.3 106.6 160.0#

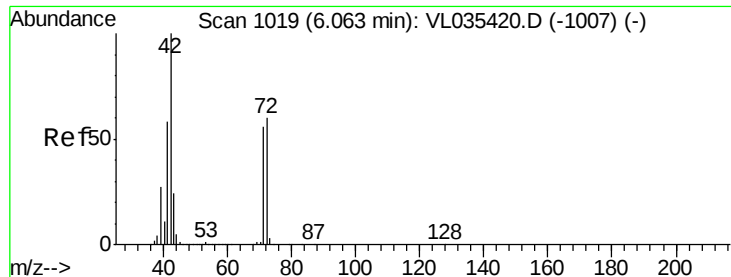
43 131.9 209.7 314.5#

57 708.5 873.3 1309.9#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.945 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

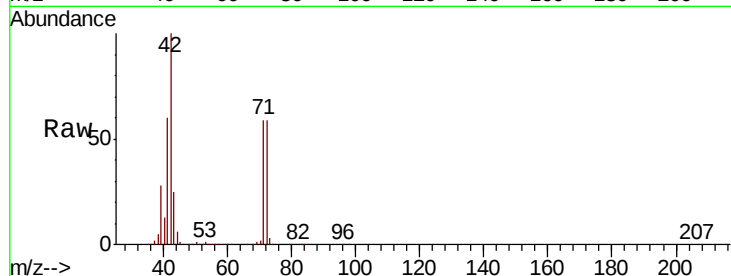
Tot Ion: 42 Resp: 893030

Ion Ratio Lower Upper

42 100

72 59.3 29.4 44.2#

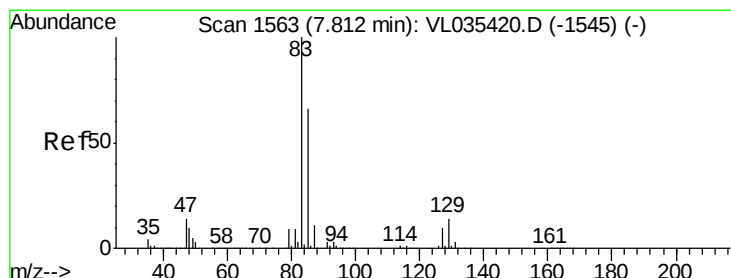
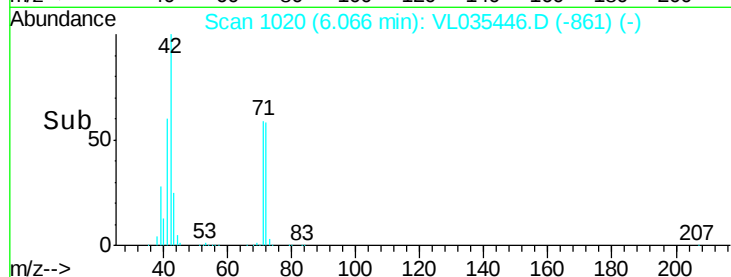
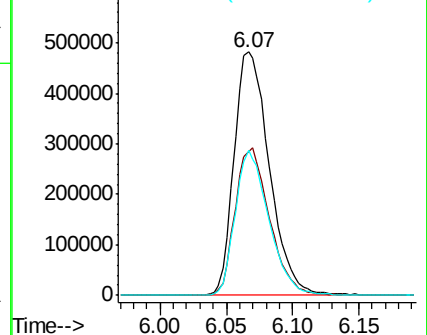
71 56.9 28.9 43.3#



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: 10.105 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

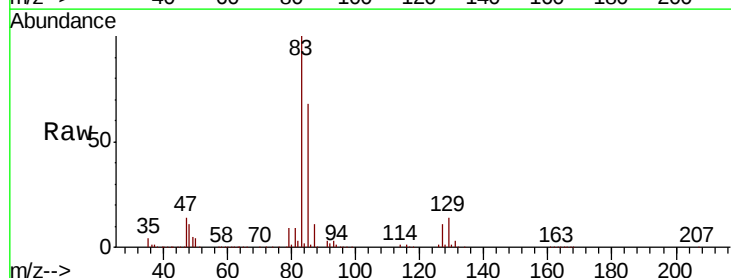
Tgt Ion: 83 Resp: 2763674

Ion Ratio Lower Upper

83 100

85 67.5 54.8 82.2

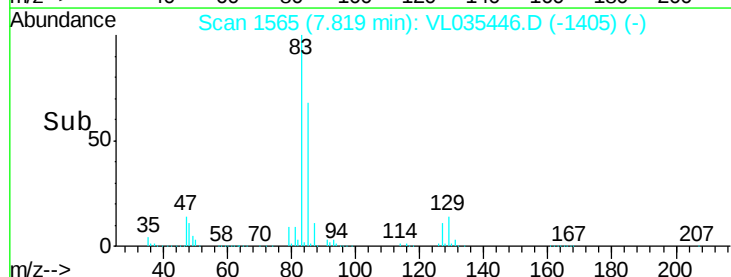
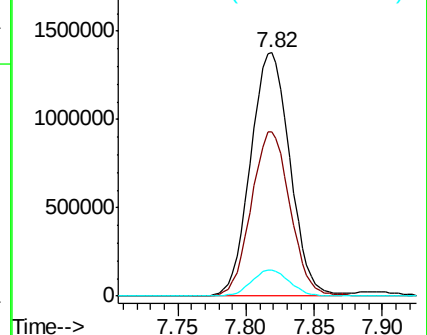
127 10.8 6.1 9.1#

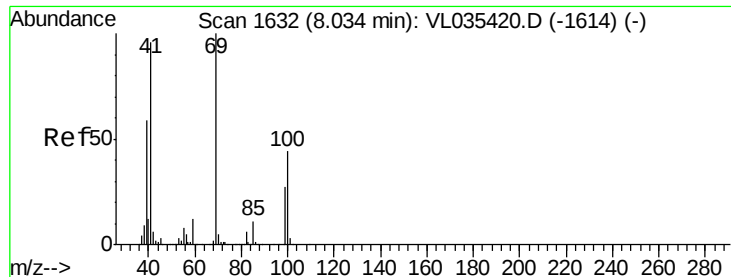


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

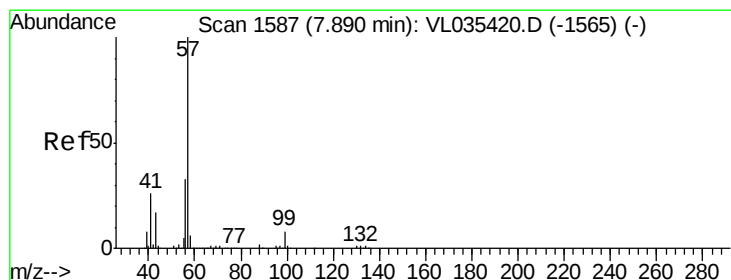
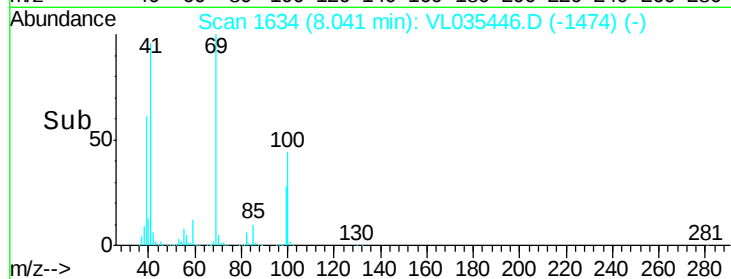
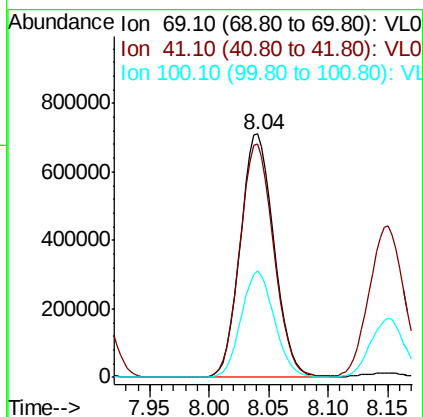
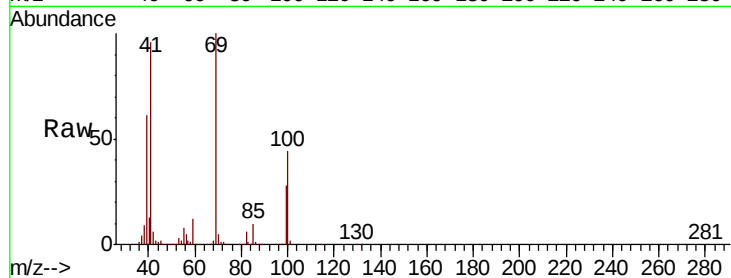




#43
Methvl Methacrylate
Concen: 9.973 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

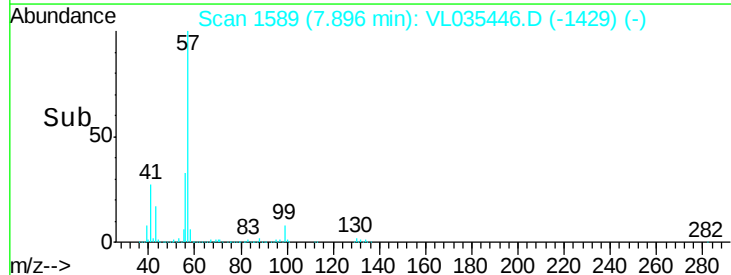
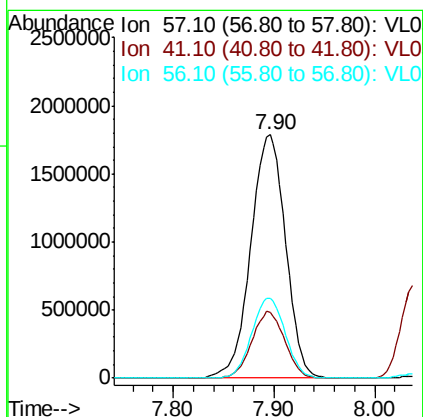
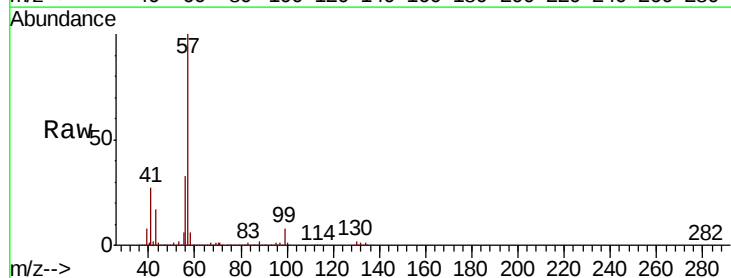
Instrument :
MSVOA_L
ClientSampleId :

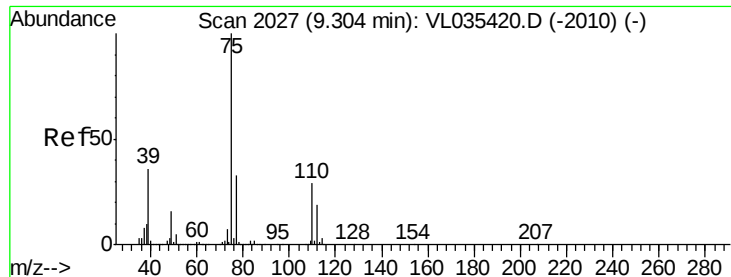
Tot Ion: 69 Resp: 1394726
Ion Ratio Lower Upper
69 100
41 96.6 123.4 185.0#
100 42.8 24.2 36.4#



#44
2,2,4-Trimethylpentane
Concen: 9.141 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 57 Resp: 4268804
Ion Ratio Lower Upper
57 100
41 25.9 27.2 40.8#
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.070 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

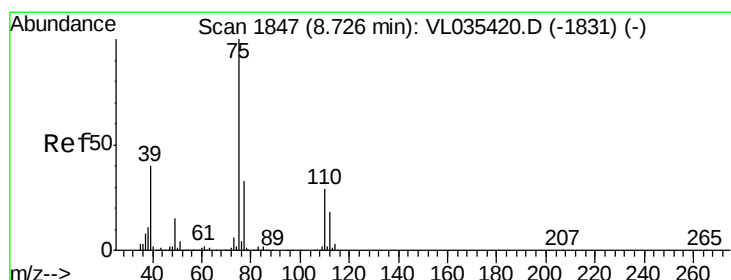
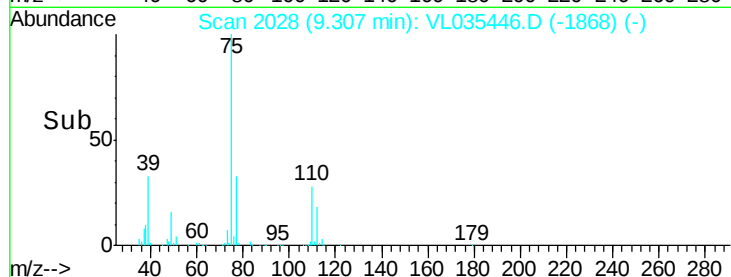
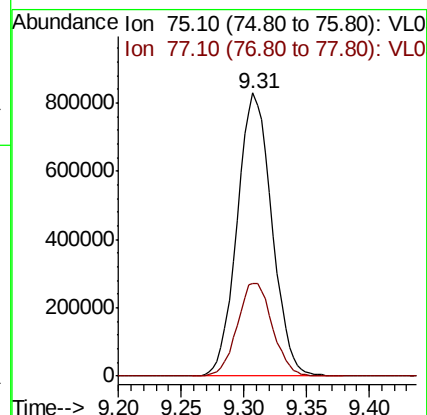
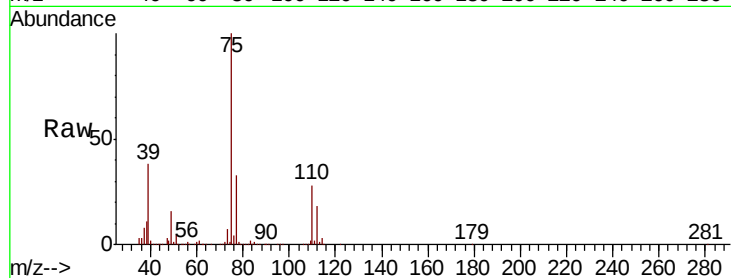
ClientSampled :

Tot Ion: 75 Resp: 1594645

Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 10.652 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

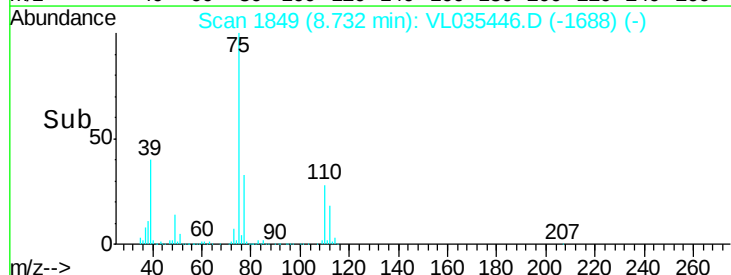
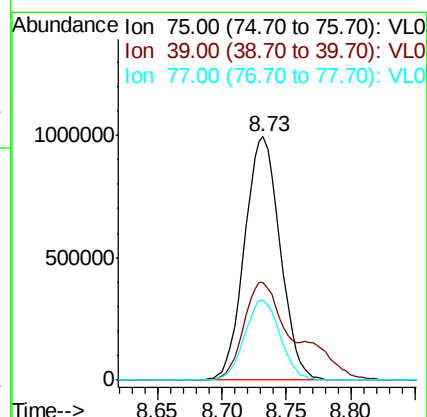
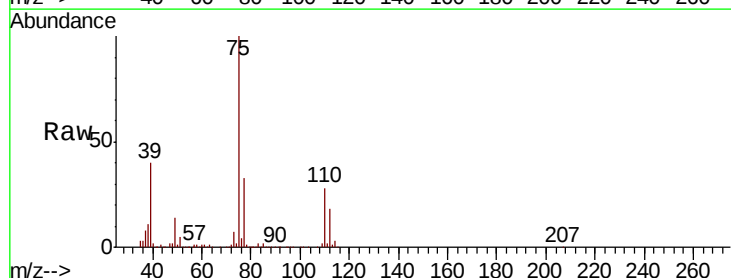
Tgt Ion: 75 Resp: 1911600

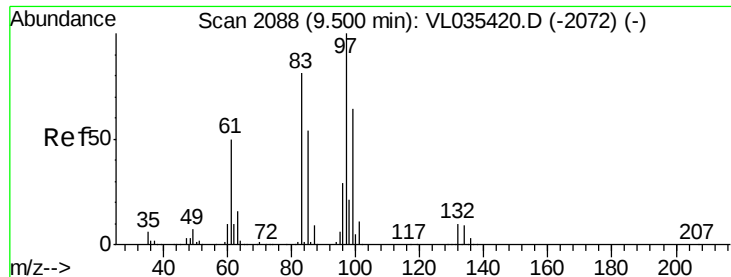
Ion Ratio Lower Upper

75 100

39 39.9 55.8 83.6#

77 32.6 25.6 38.4



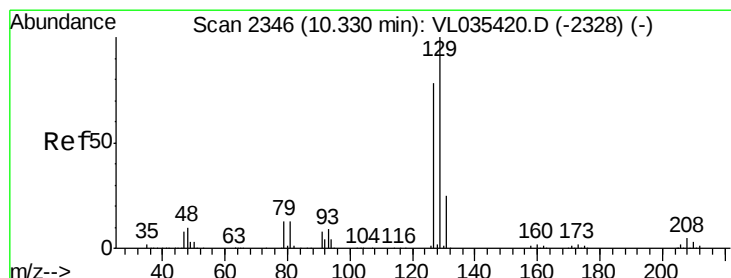
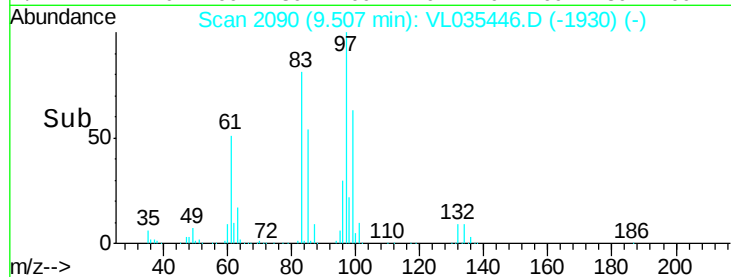
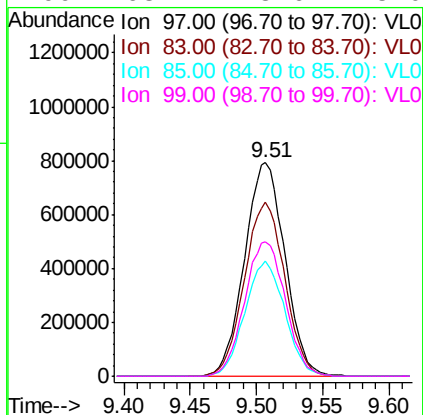
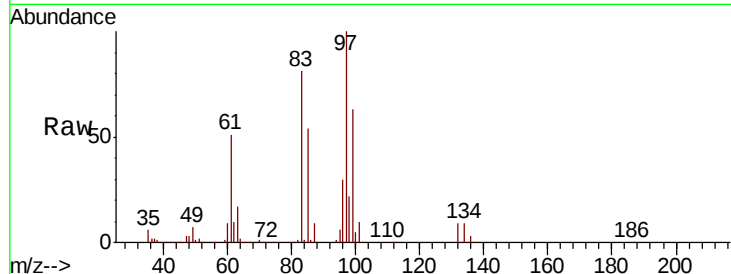


#47
 1,1,2-Trichloroethane
 Concen: 9.572 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1685071

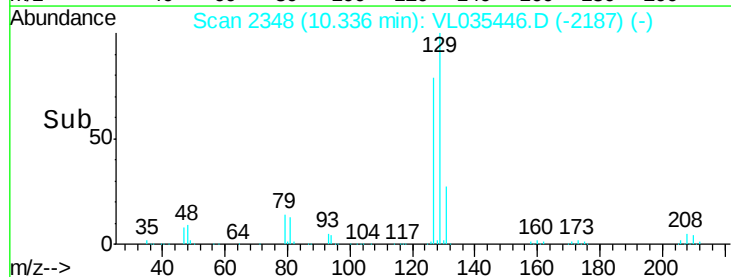
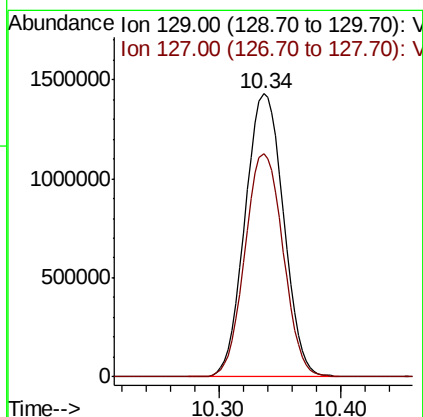
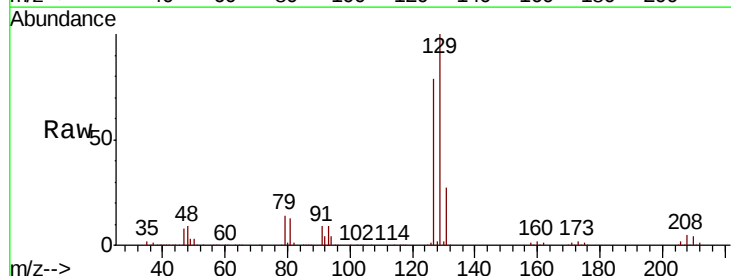
Ion	Ratio	Lower	Upper
97	100		
83	81.3	72.1	108.1
85	54.2	46.8	70.2
99	63.1	48.6	73.0

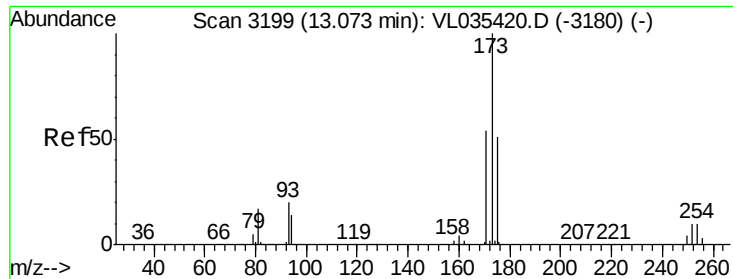


#48
 Dibromochloromethane
 Concen: 10.544 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 129 Resp: 3113799

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.5





#49

Bromoform

Concen: 10.976 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

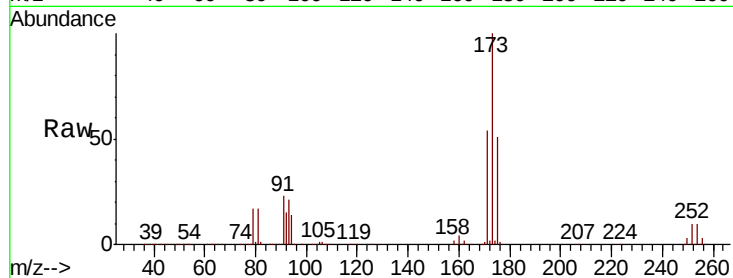
Tot Ion:173 Resp: 3122813

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

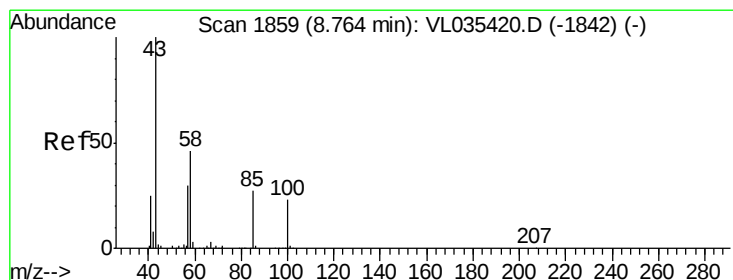
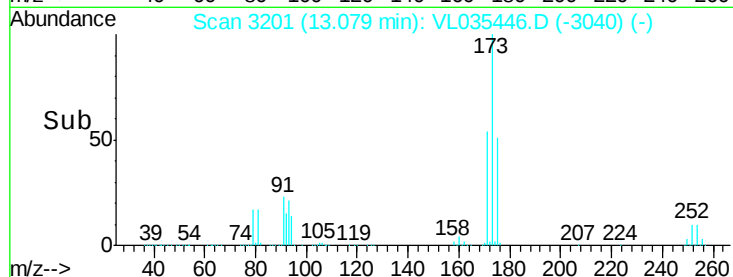
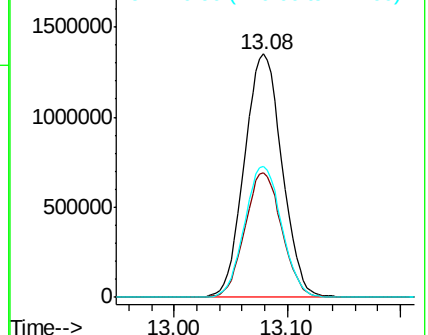
171 53.4 42.4 63.6



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: 9.724 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL035446.D

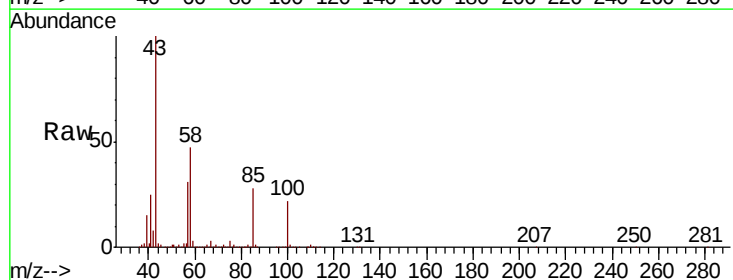
Acq: 18 Aug 2020 17:12

Tgt Ion: 43 Resp: 2270860

Ion Ratio Lower Upper

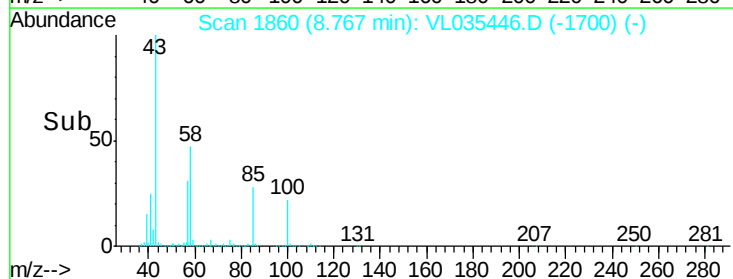
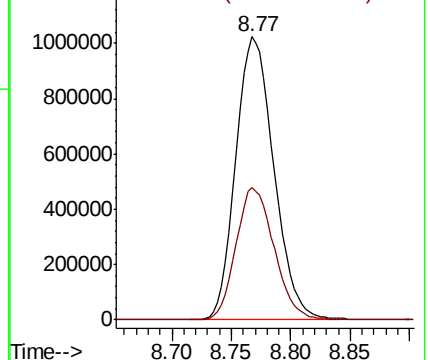
43 100

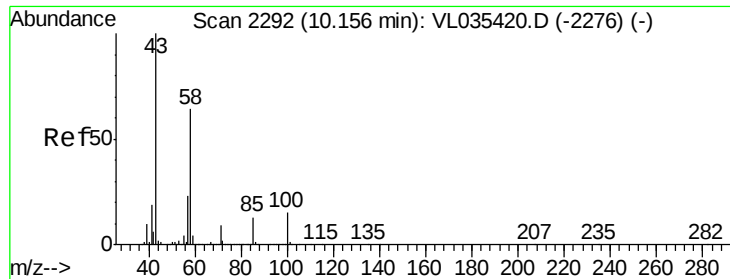
58 46.9 28.7 43.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.912 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

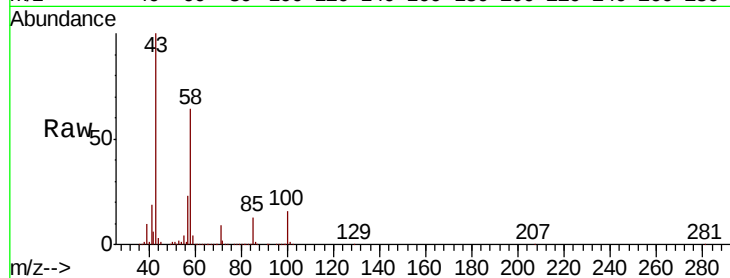
Tot Ion: 43 Resp: 1950993

Ion Ratio Lower Upper

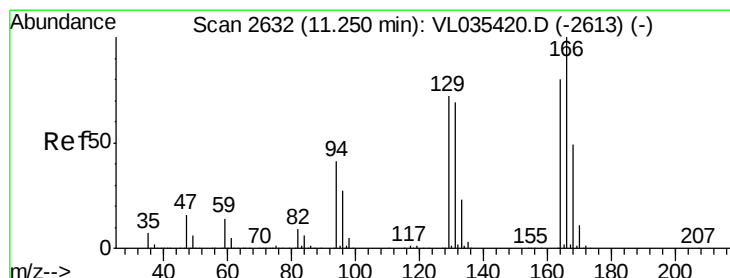
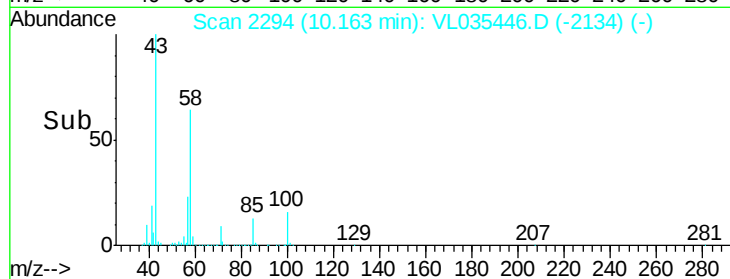
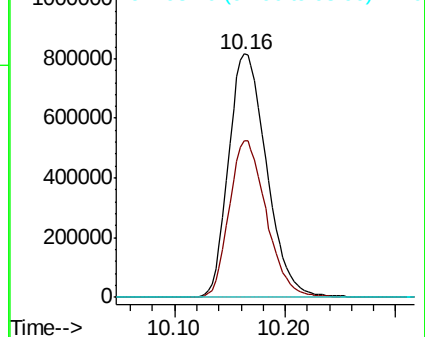
43 100

58 62.9 38.6 58.0#

98 0.4 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.392 ppbv

RT: 11.26 min Scan# 2634

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 164 Resp: 2048694

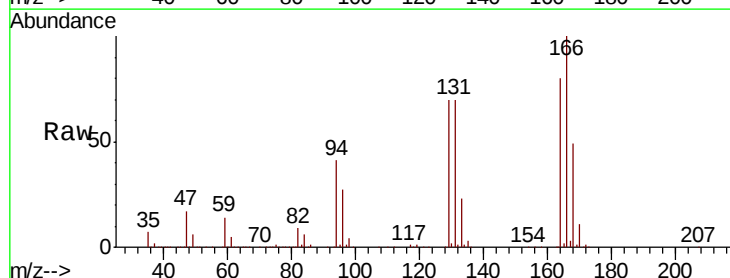
Ion Ratio Lower Upper

164 100

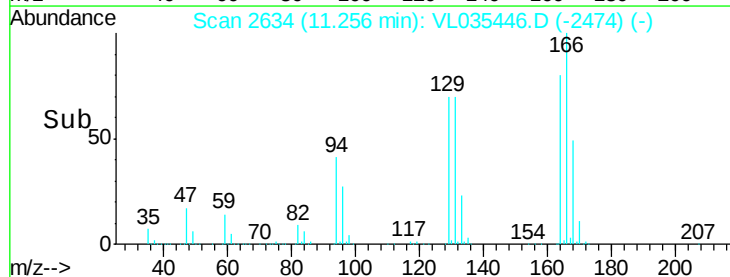
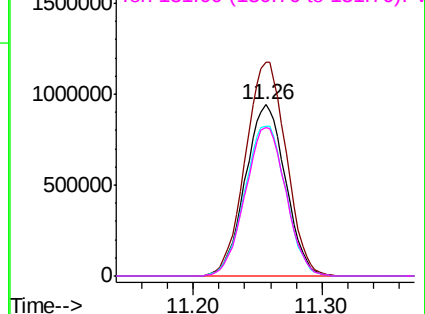
166 124.7 103.4 155.0

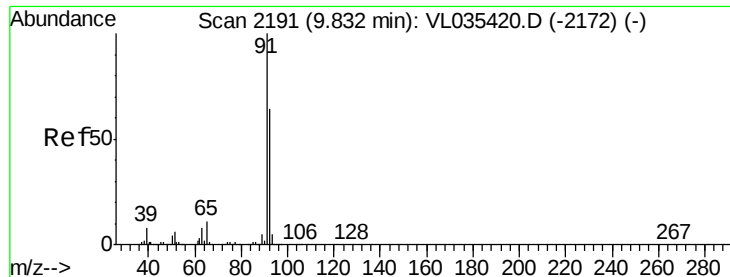
129 87.8 90.2 135.4#

131 86.8 91.7 137.5#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.421 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

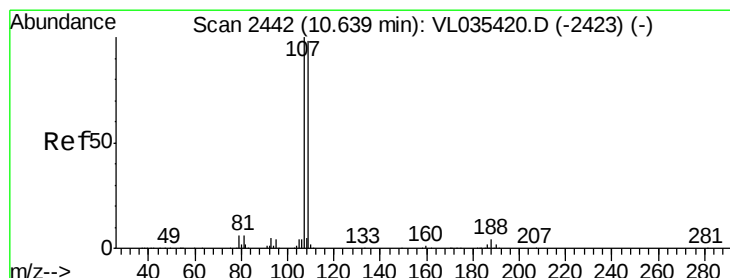
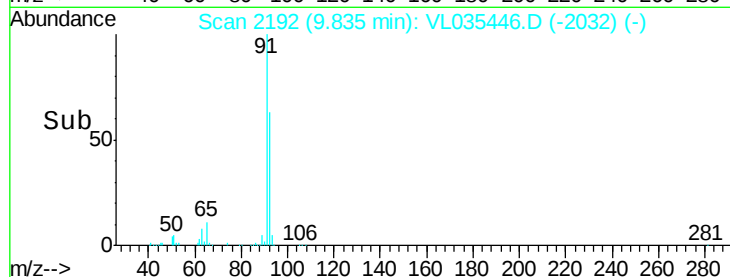
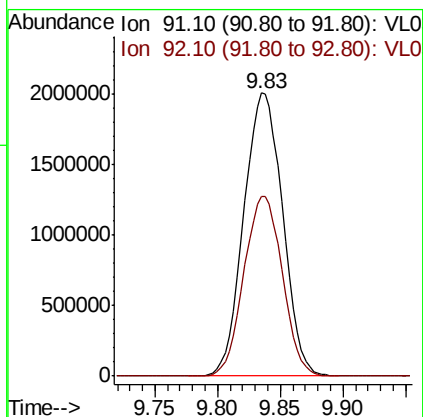
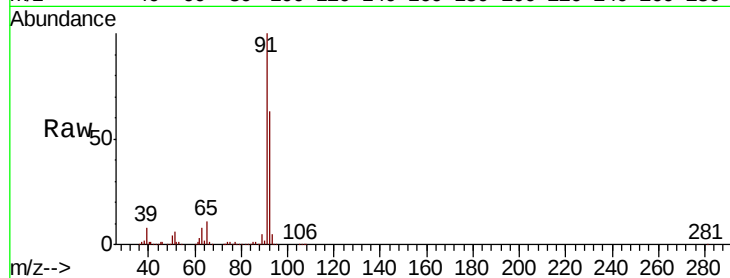
ClientSampleId :

Tot Ion: 91 Resp: 4339247

Ion Ratio Lower Upper

91 100

92 62.8 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.557 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035446.D

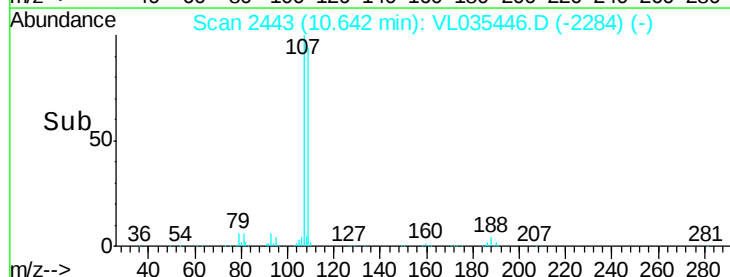
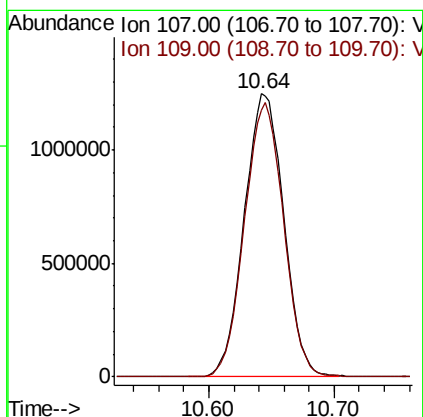
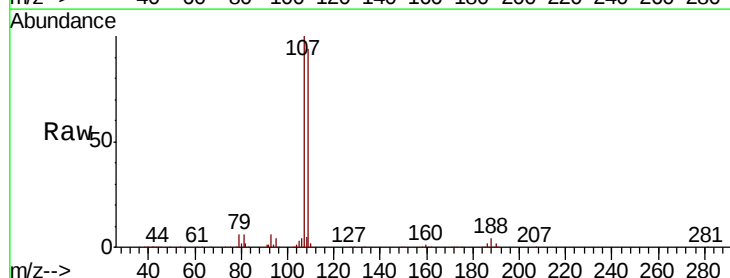
Acq: 18 Aug 2020 17:12

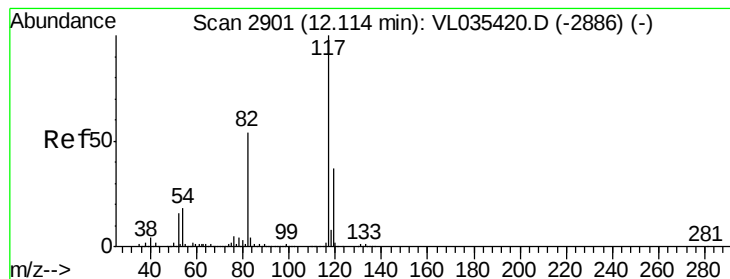
Tgt Ion:107 Resp: 2732510

Ion Ratio Lower Upper

107 100

109 94.0 75.1 112.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampled :

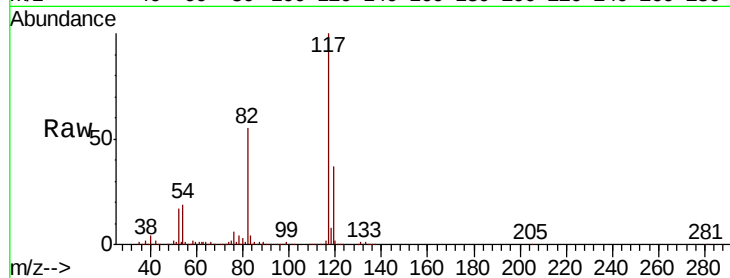
Tot Ion:117 Resp: 6408709

Ion Ratio Lower Upper

117 100

82 42.2 57.4 86.0#

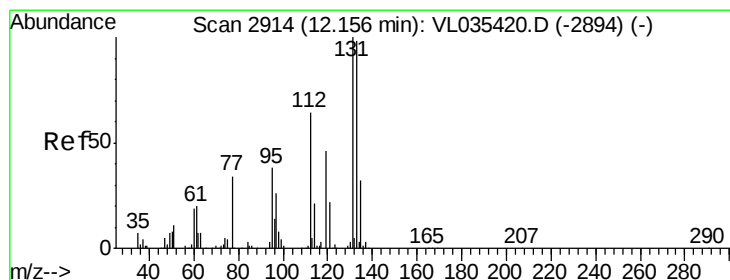
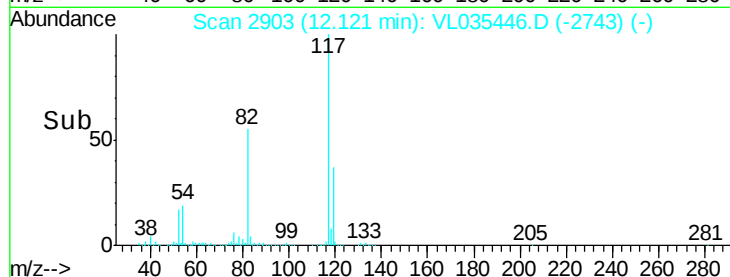
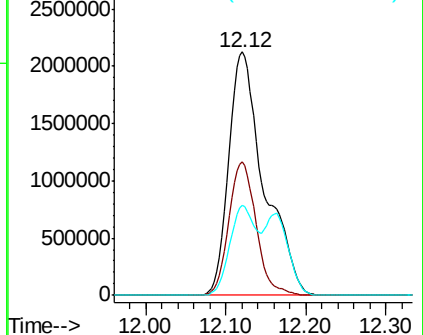
119 26.3 28.4 42.6#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.932 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

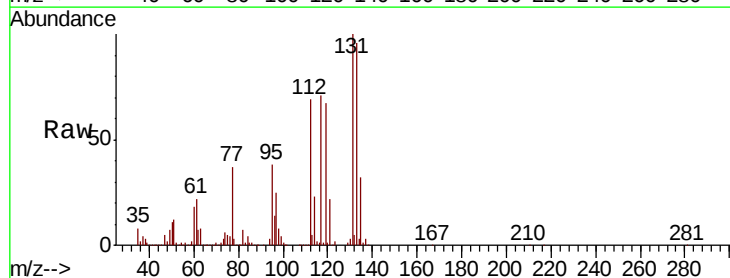
Tgt Ion:131 Resp: 2411277

Ion Ratio Lower Upper

131 100

133 96.2 76.1 114.1

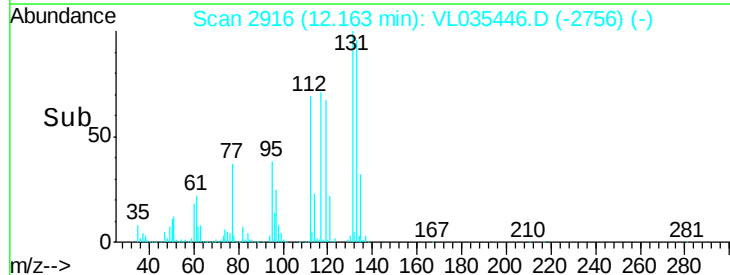
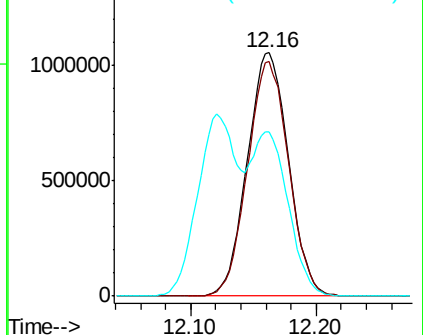
119 60.6 50.7 76.1

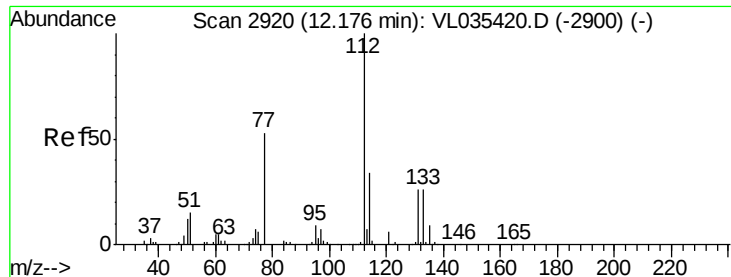


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

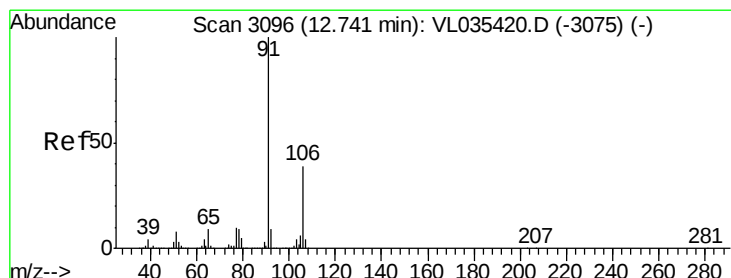
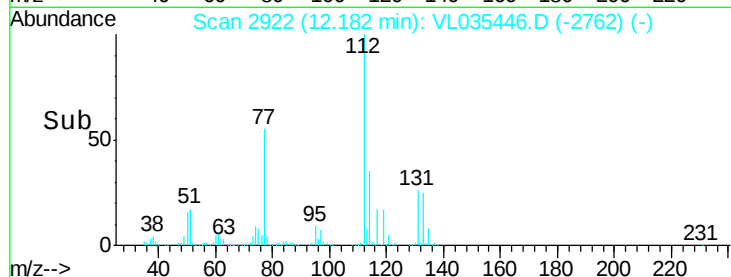
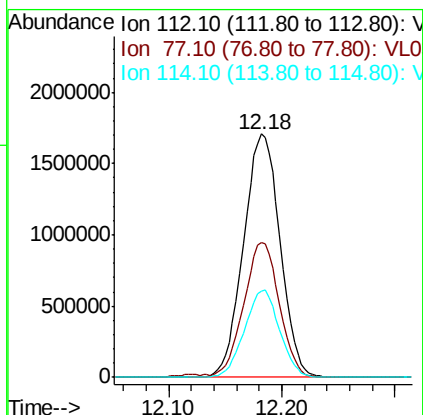
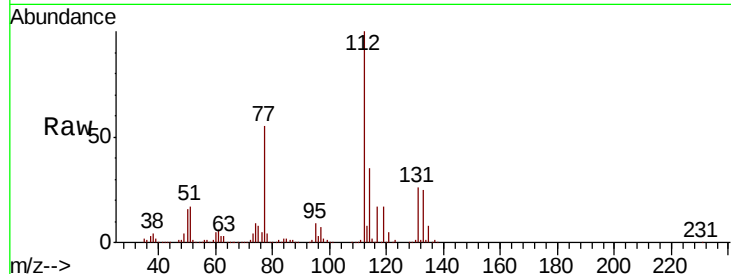




#57
Chlorobenzene
Concen: 7.174 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.01 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

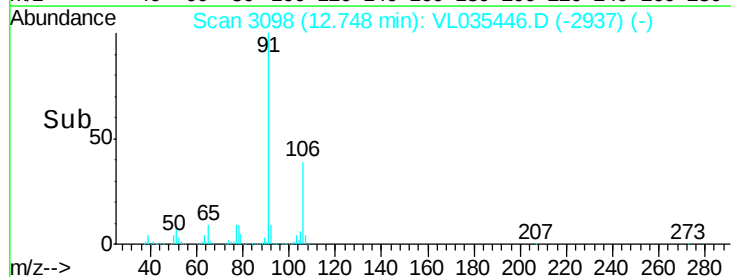
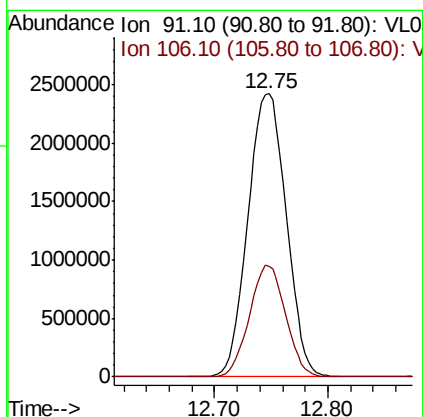
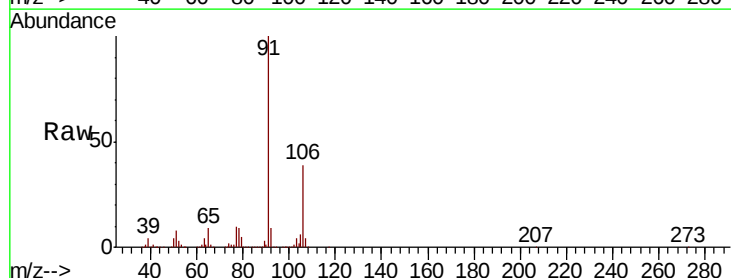
Instrument :
MSVOA_L
ClientSampleId :

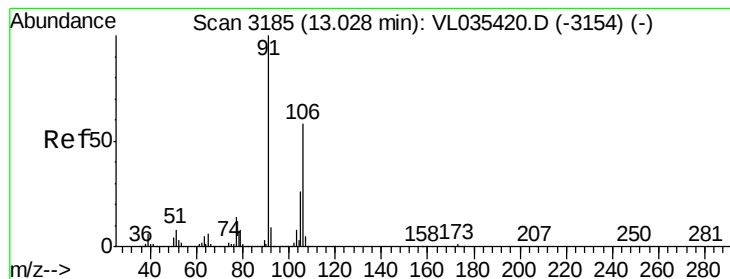
Tot Ion:112 Resp: 3837575
Ion Ratio Lower Upper
112 100
77 55.3 60.6 91.0#
114 35.2 28.5 34.9#



#58
Ethyl Benzene
Concen: 7.378 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.02 min
Lab File: VL035446.D
Acq: 18 Aug 2020 17:12

Tgt Ion: 91 Resp: 5708026
Ion Ratio Lower Upper
91 100
106 39.0 24.1 36.1#





#59

m/p-Xylene

Concen: 7.215 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

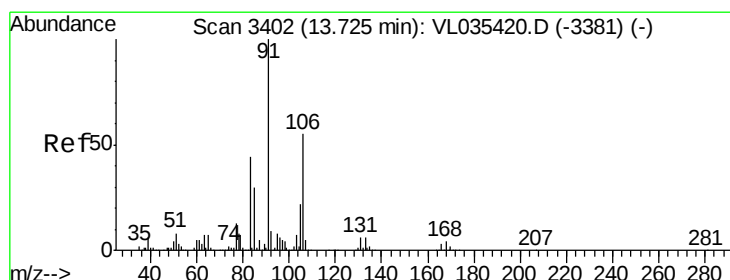
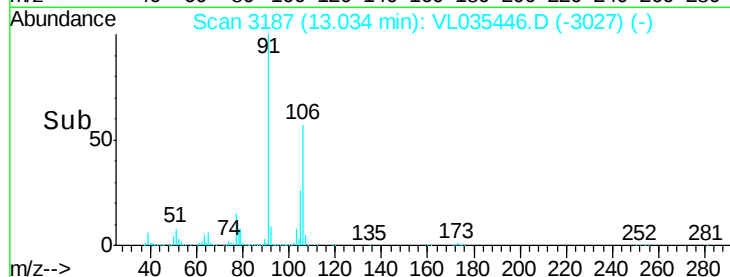
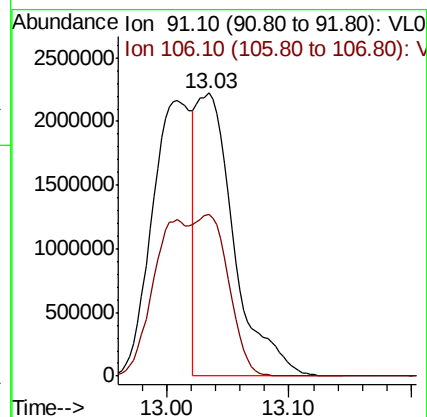
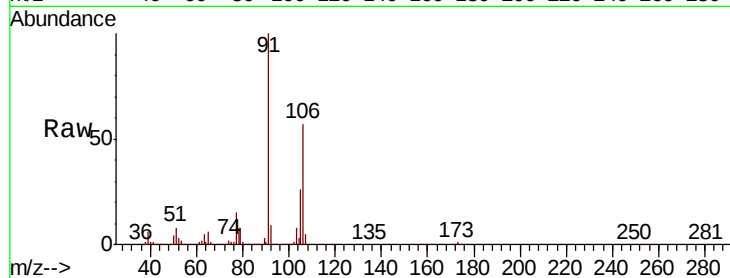
ClientSampleId :

Tot Ion: 91 Resp: 4718635

Ion Ratio Lower Upper

91 100

106 107.5 34.0 51.0#



#60

o-Xylene

Concen: 7.392 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. 0.02 min

Lab File: VL035446.D

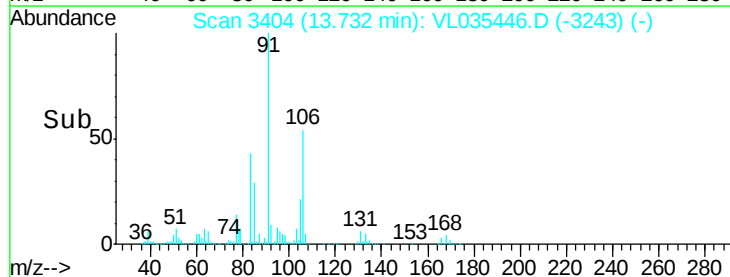
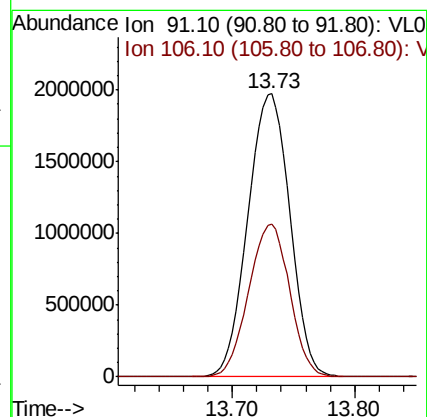
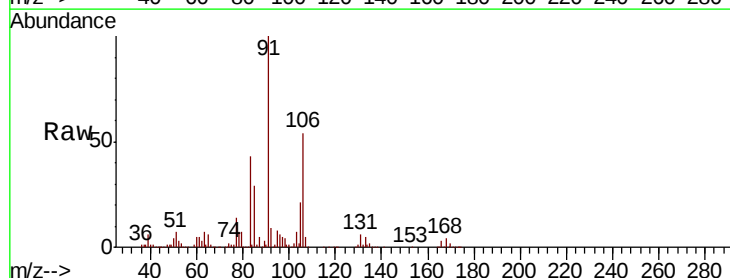
Acq: 18 Aug 2020 17:12

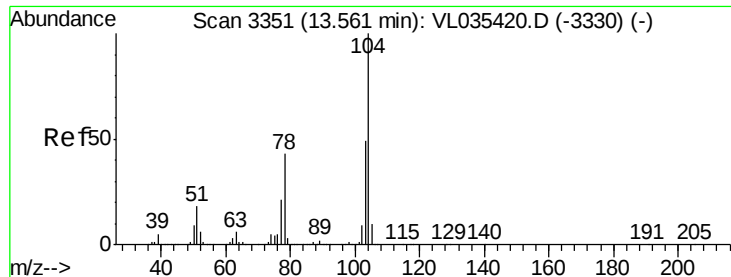
Tgt Ion: 91 Resp: 4698569

Ion Ratio Lower Upper

91 100

106 52.8 21.8 65.3





#61

Stvrene

Concen: 7.772 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

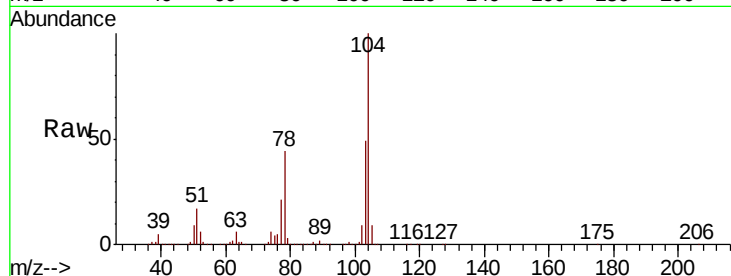
Tot Ion:104 Resp: 3991549

Ion Ratio Lower Upper

104 100

78 43.5 45.4 68.2#

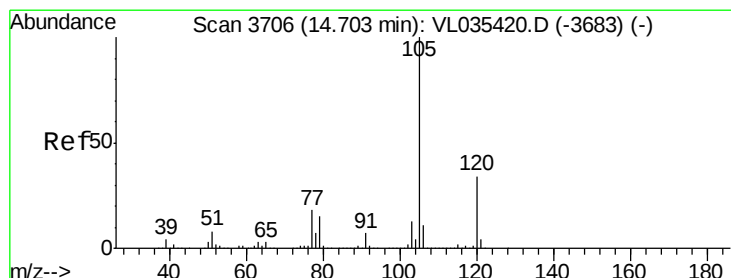
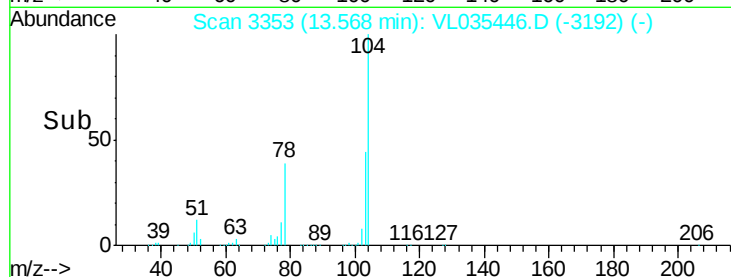
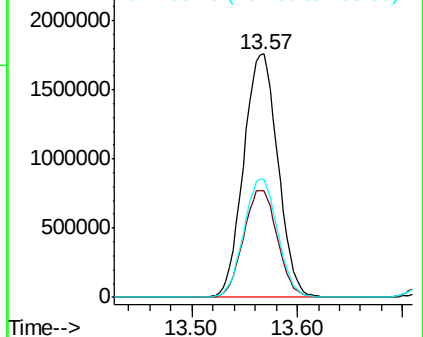
103 47.8 37.8 56.8



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: 7.059 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL035446.D

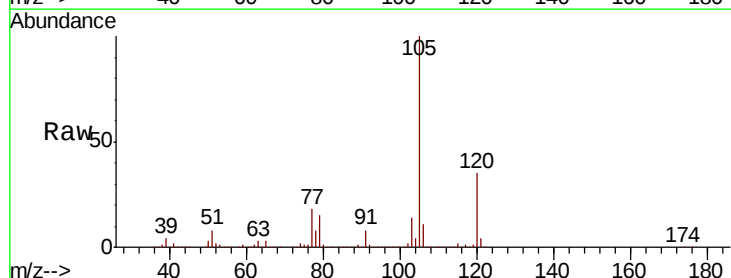
Acq: 18 Aug 2020 17:12

Tgt Ion:105 Resp: 7352973

Ion Ratio Lower Upper

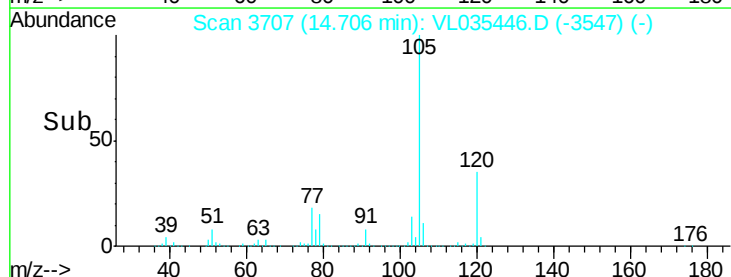
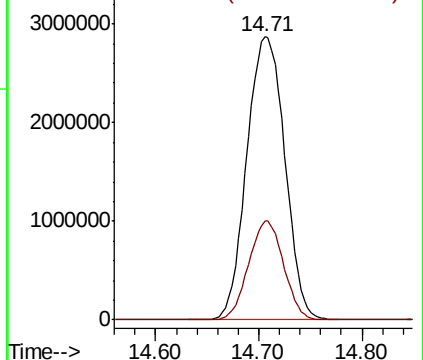
105 100

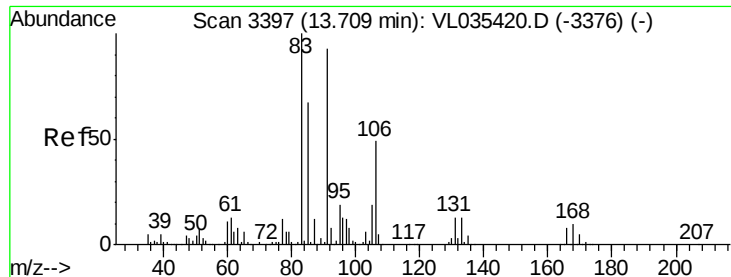
120 32.2 20.3 30.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

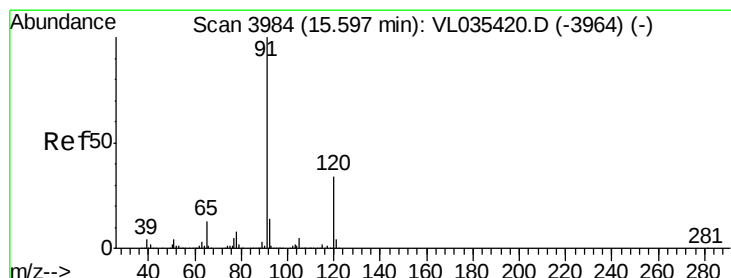
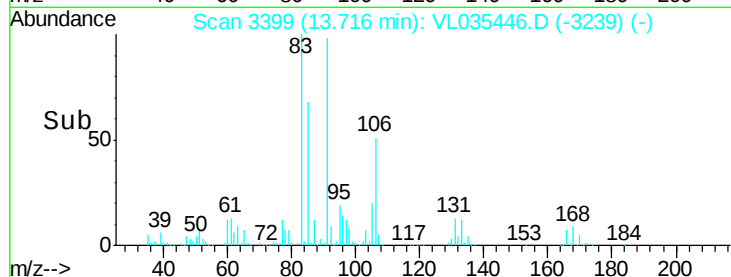
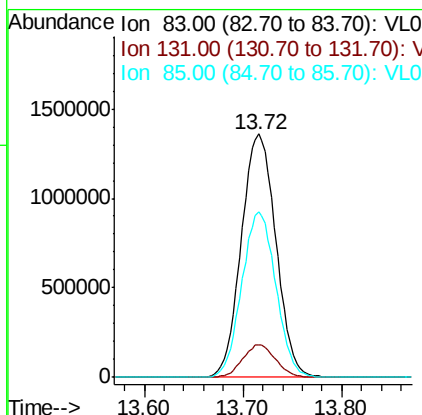
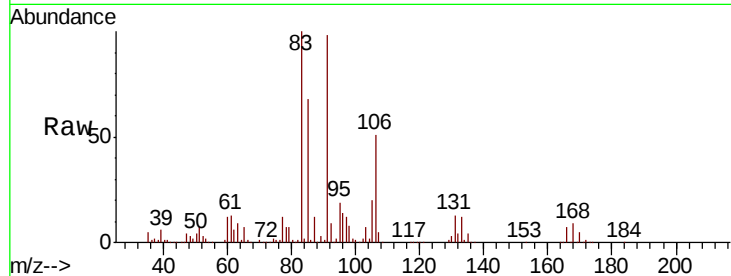




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.219 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

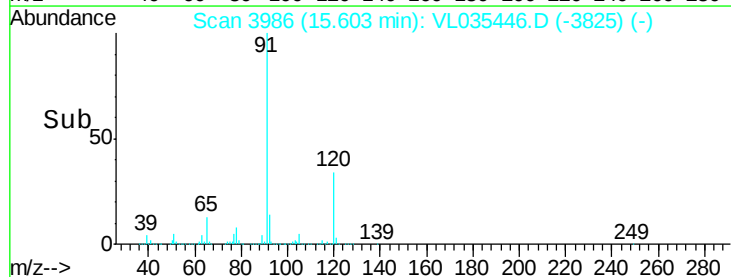
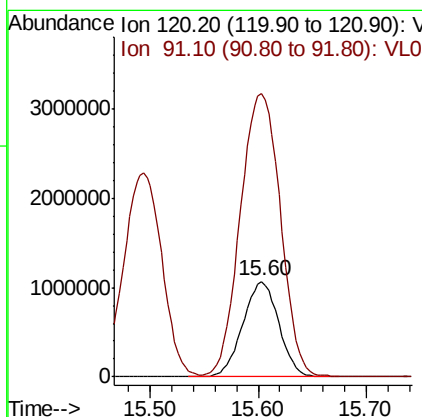
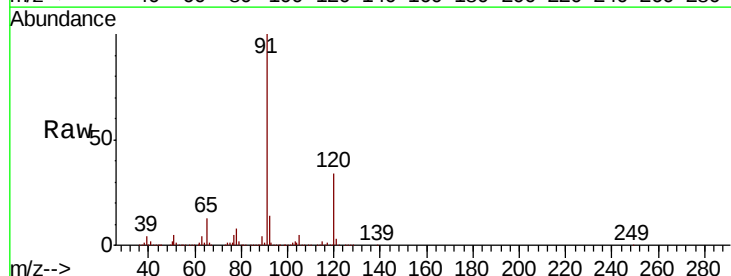
Instrument :
 MSVOA_L
 ClientSampled :

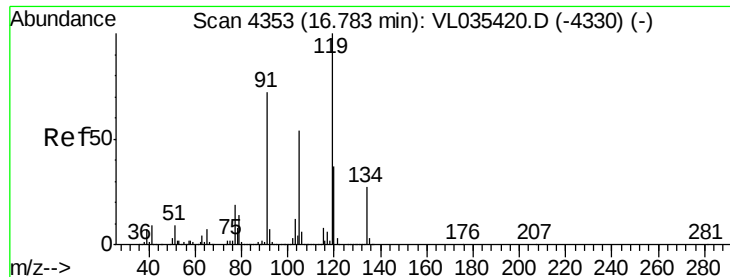
Tot Ion: 83 Resp: 3295798
 Ion Ratio Lower Upper
 83 100
 131 12.8 4.5 13.4
 85 67.0 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.709 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion:120 Resp: 2475335
 Ion Ratio Lower Upper
 120 100
 91 332.8 385.5 578.3#





#65

tert-Butylbenzene

Concen: 7.136 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

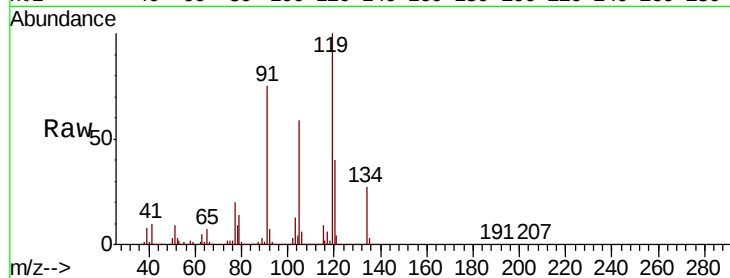
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 7223502

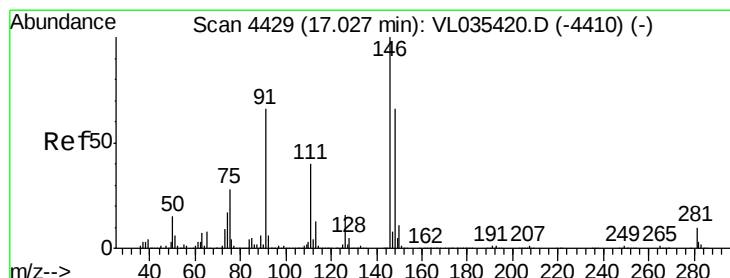
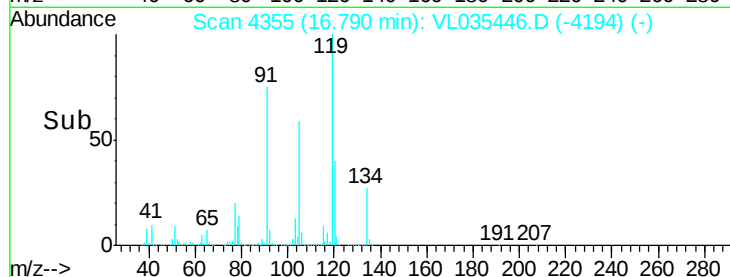
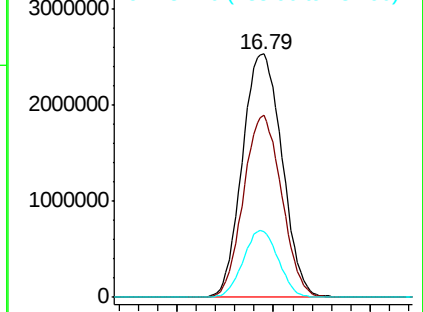
Ion	Ratio	Lower	Upper
119	100		
91	71.9	72.0	108.0#
134	24.4	15.7	23.5#



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: 9.986 ppbv

RT: 17.03 min Scan# 4431

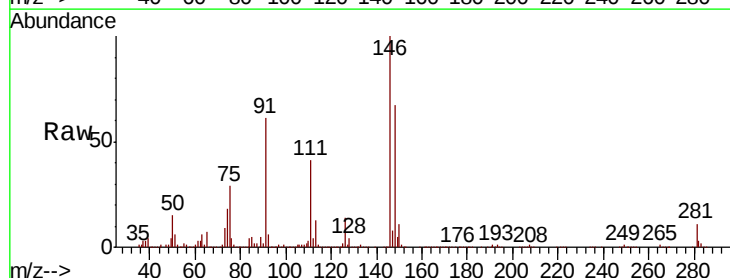
Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion: 91 Resp: 2431540

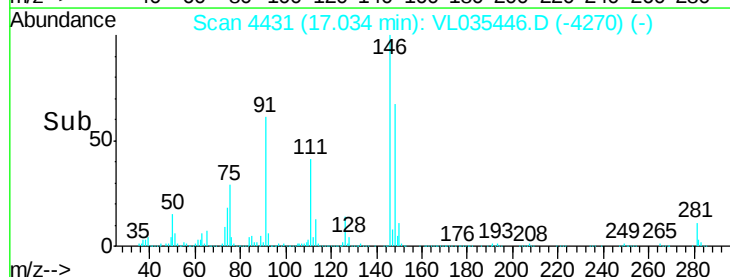
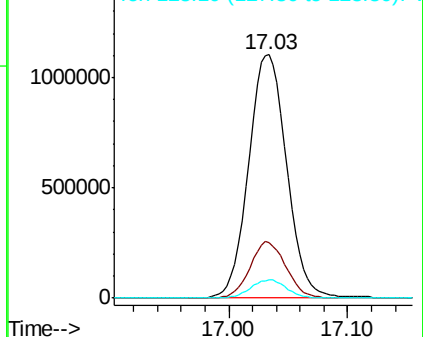
Ion	Ratio	Lower	Upper
91	100		
126	22.1	13.3	19.9#
128	7.2	4.1	6.1#

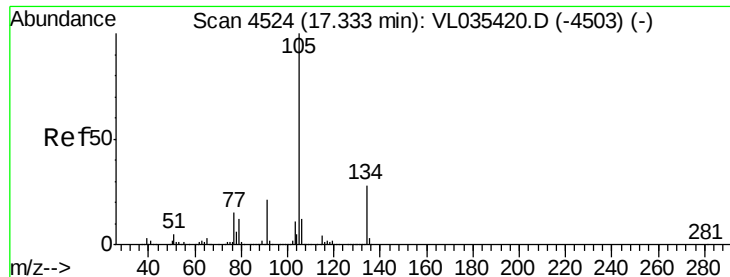


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.876 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

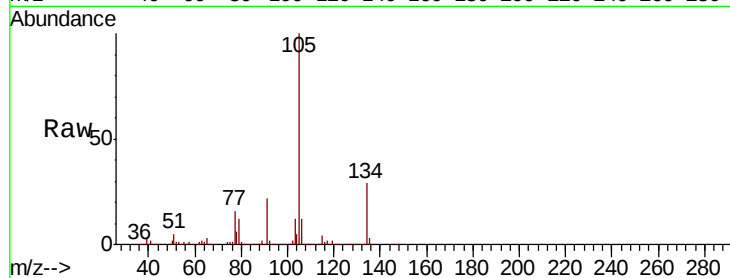
ClientSampleId :

Tot Ion:105 Resp: 9160866

Ion Ratio Lower Upper

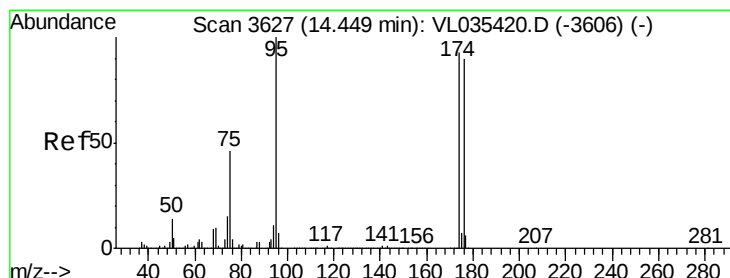
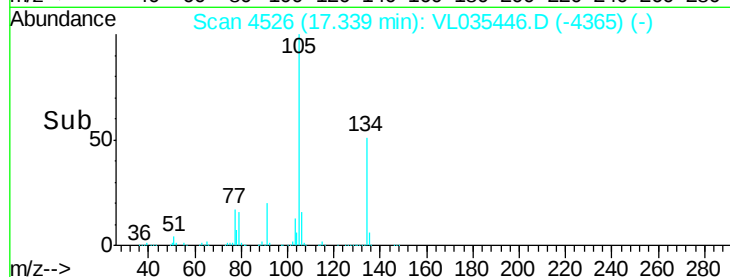
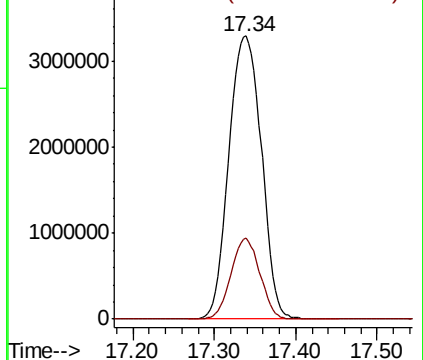
105 100

134 25.4 14.1 21.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.027 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

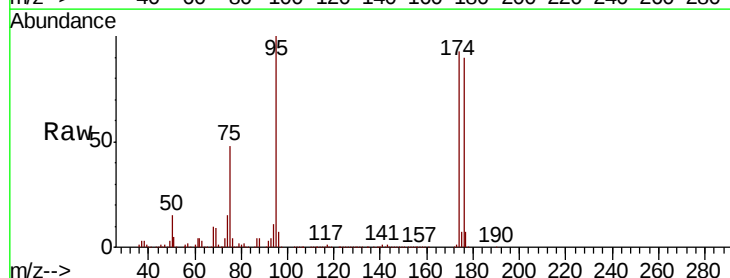
Tgt Ion: 95 Resp: 3601458

Ion Ratio Lower Upper

95 100

174 93.9 44.0 66.0#

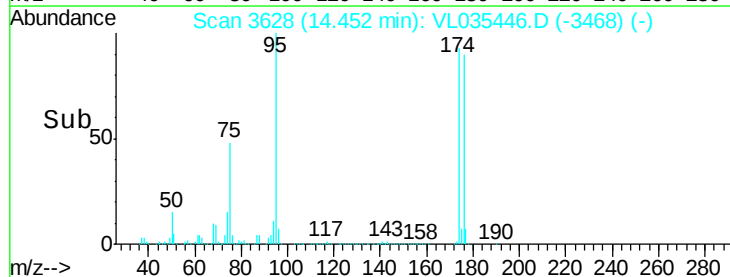
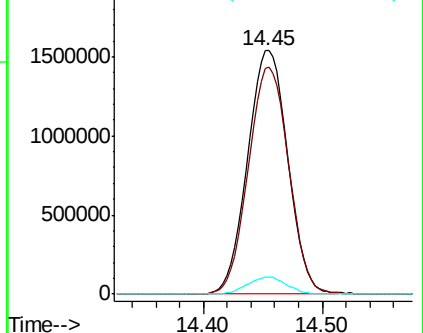
175 6.9 3.2 4.8#

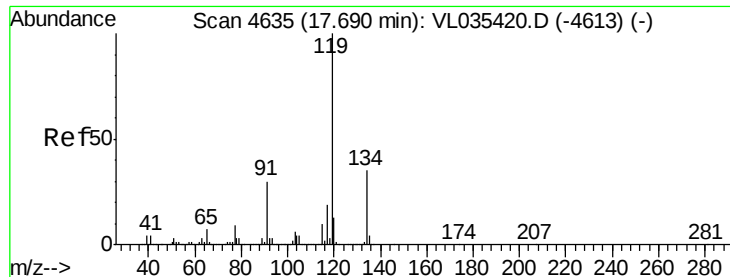


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

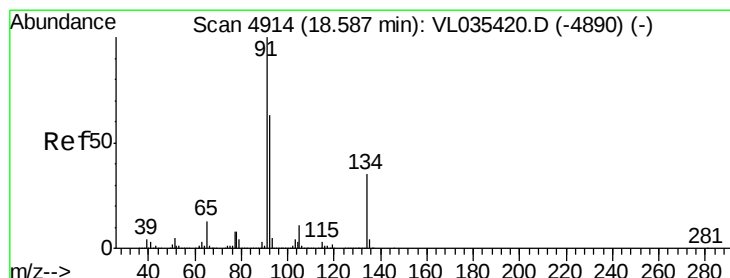
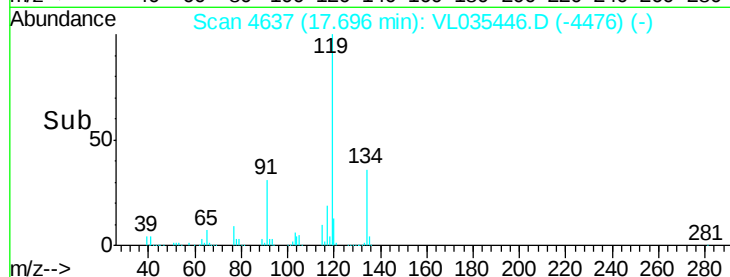
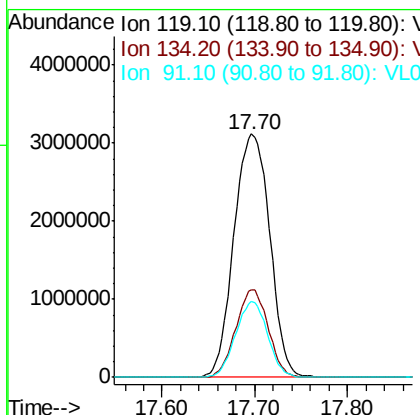
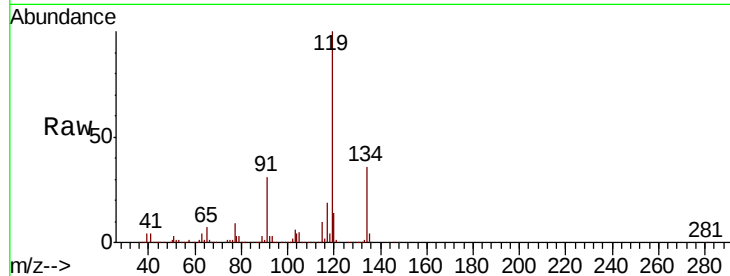




#69
 p-Isopropyltoluene
 Concen: 7.063 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

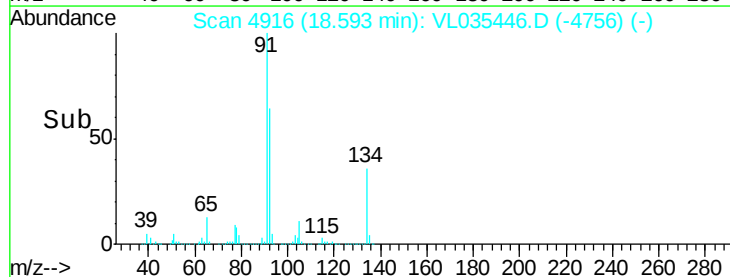
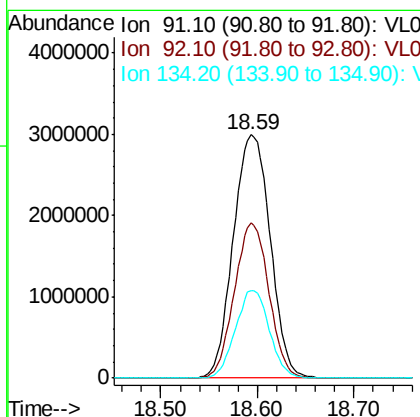
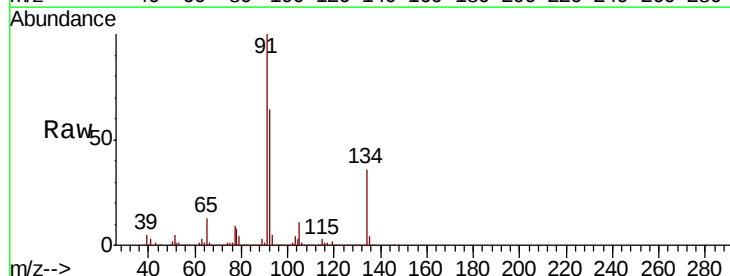
Instrument :
 MSVOA_L
 ClientSampleId :

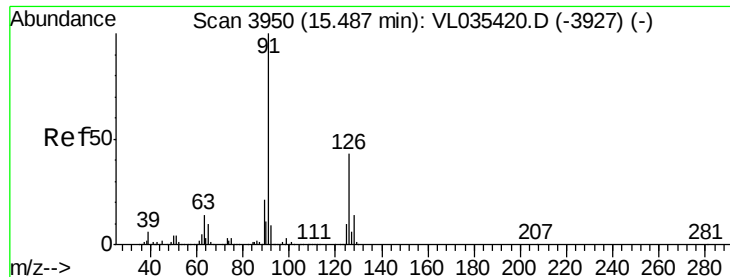
Tot Ion:119 Resp: 8349542
 Ion Ratio Lower Upper
 119 100
 134 32.6 20.6 30.8#
 91 28.0 26.6 39.8



#70
 n-Butylbenzene
 Concen: 7.103 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.01 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Tgt Ion: 91 Resp: 7930756
 Ion Ratio Lower Upper
 91 100
 92 59.7 44.8 67.2
 134 33.2 17.3 25.9#





#71

2-Chlorotoluene

Concen: 7.427 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

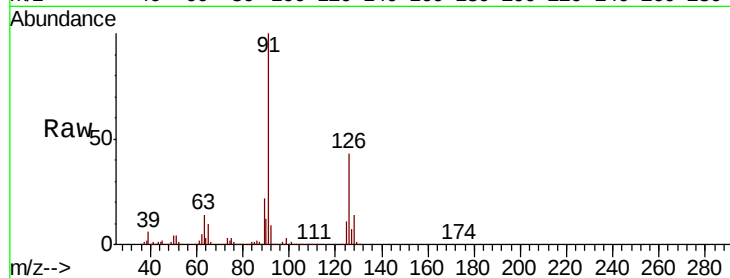
ClientSampleId :

Tot Ion: 91 Resp: 5613371

Ion Ratio Lower Upper

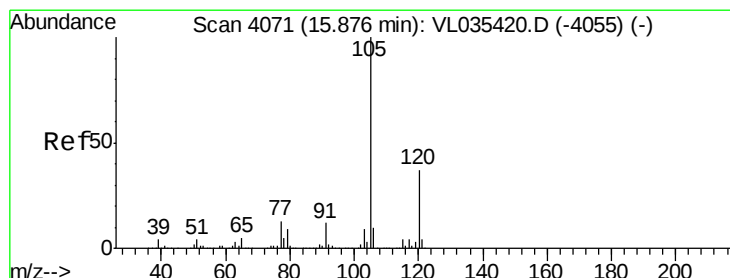
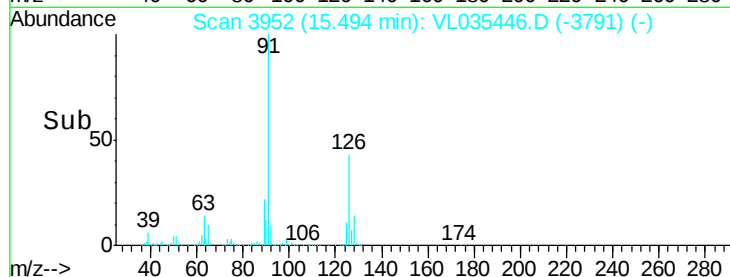
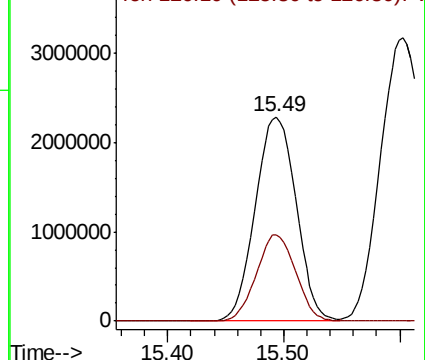
91 100

126 40.7 11.4 45.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.450 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion:105 Resp: 6214489

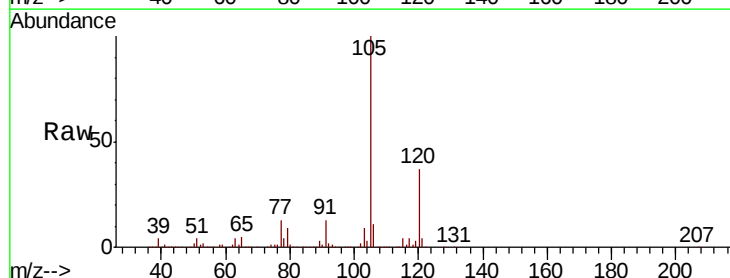
Ion Ratio Lower Upper

105 100

120 35.5 22.7 34.1#

91 12.2 10.8 16.2

77 12.0 11.9 17.9

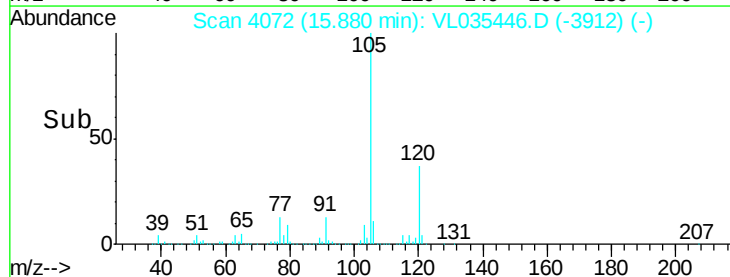
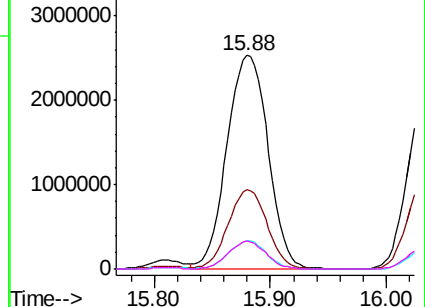


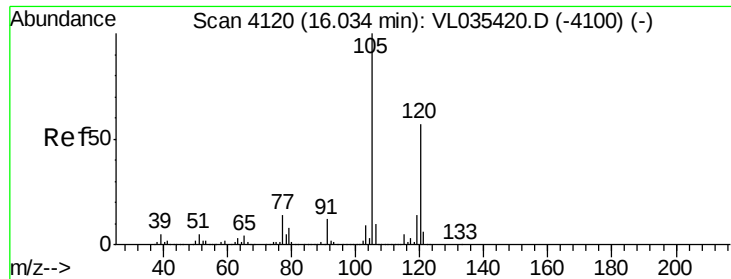
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.512 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

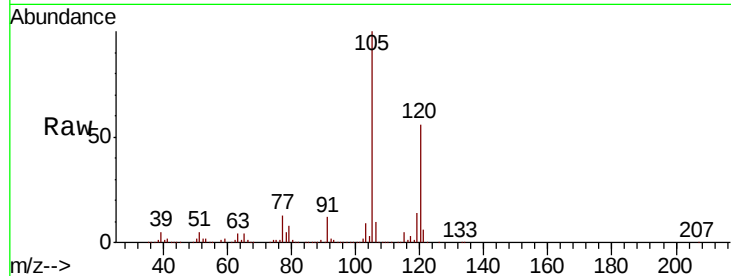
ClientSampleId :

Tot Ion:105 Resp: 5829971

Ion Ratio Lower Upper

105 100

120 56.0 35.6 53.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.04

2500000

2000000

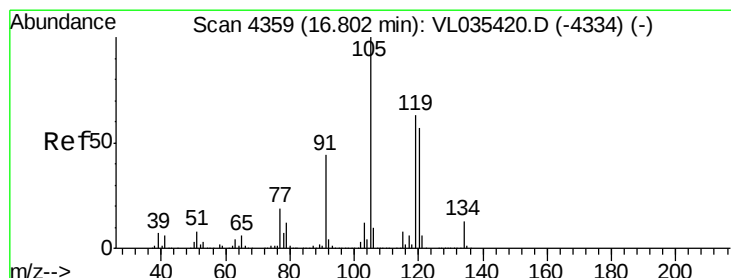
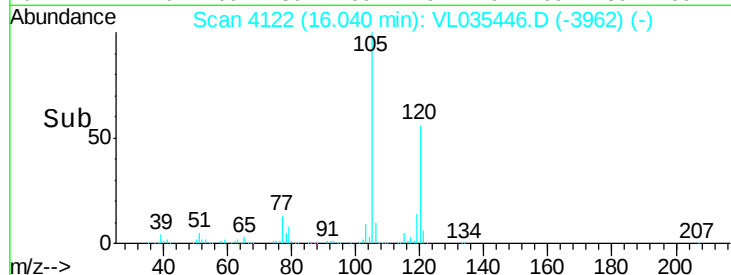
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.175 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Tgt Ion:105 Resp: 6050571

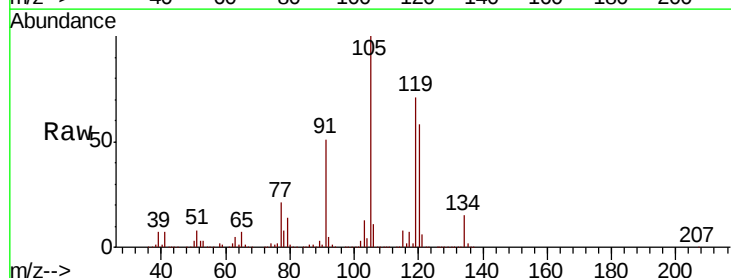
Ion Ratio Lower Upper

105 100

120 58.0 37.8 56.8#

91 50.6 40.0 60.0

77 20.6 18.8 28.2



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

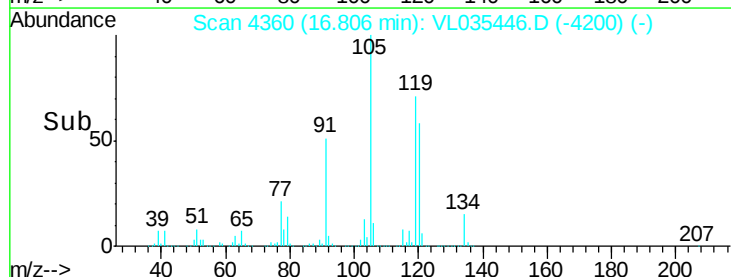
3000000

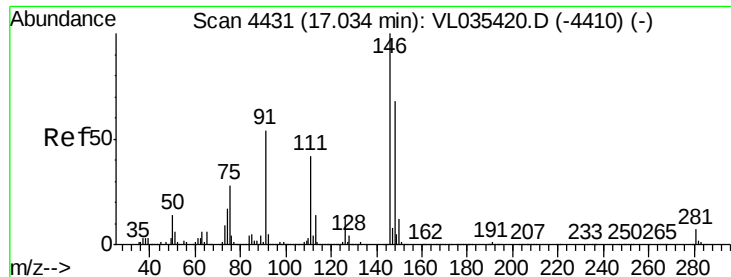
2000000

1000000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.196 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

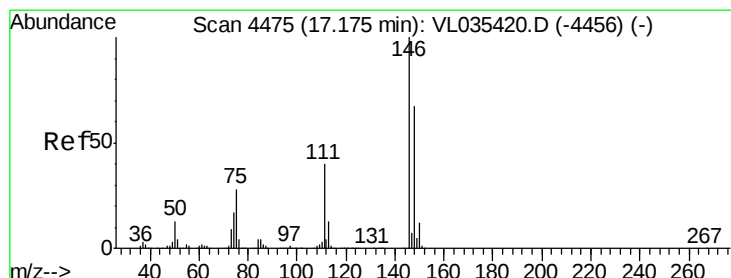
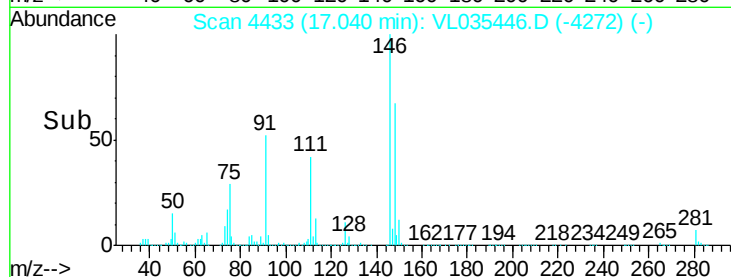
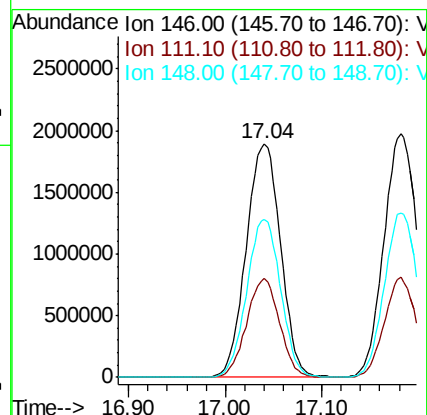
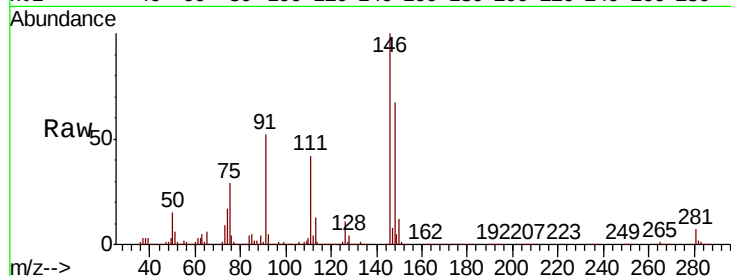
Tot Ion:146 Resp: 4687131

Ion Ratio Lower Upper

146 100

111 40.4 25.6 76.8

148 66.7 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.369 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

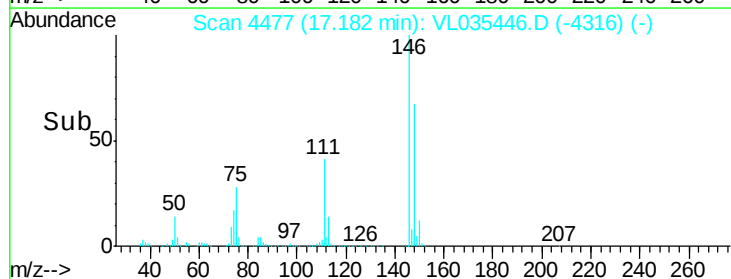
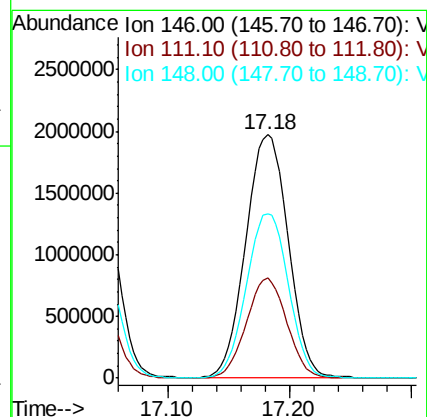
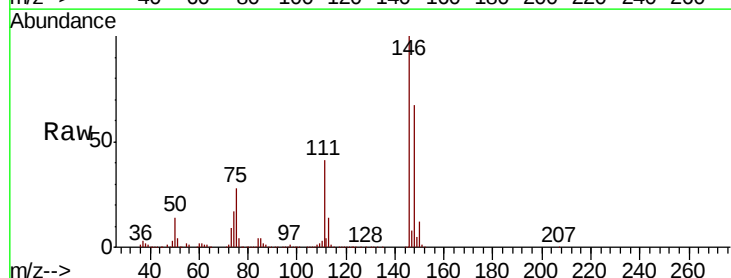
Tgt Ion:146 Resp: 4730328

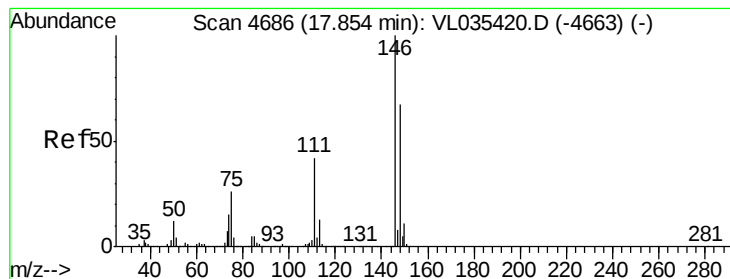
Ion Ratio Lower Upper

146 100

111 39.5 24.8 74.4

148 67.5 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 7.330 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampled :

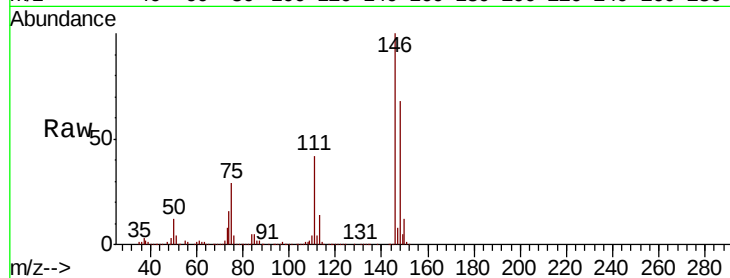
Tot Ion:146 Resp: 4676653

Ion Ratio Lower Upper

146 100

111 41.6 26.3 78.9

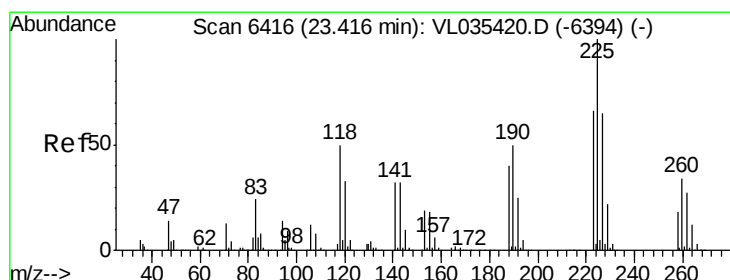
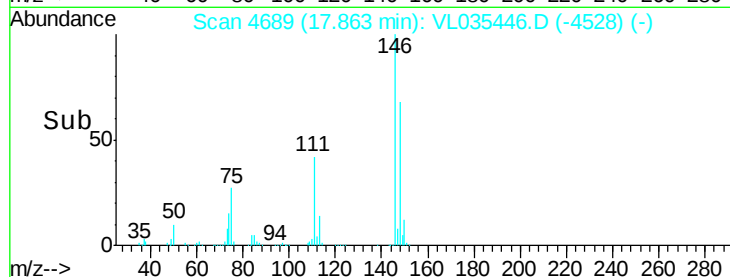
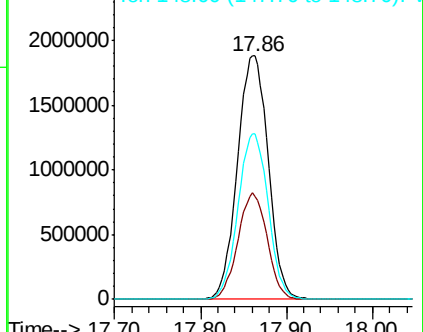
148 66.7 32.0 96.0



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: 7.106 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.02 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

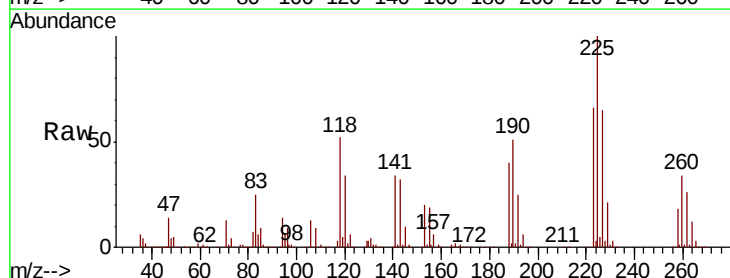
Tgt Ion:225 Resp: 3584572

Ion Ratio Lower Upper

225 100

223 64.8 50.3 75.5

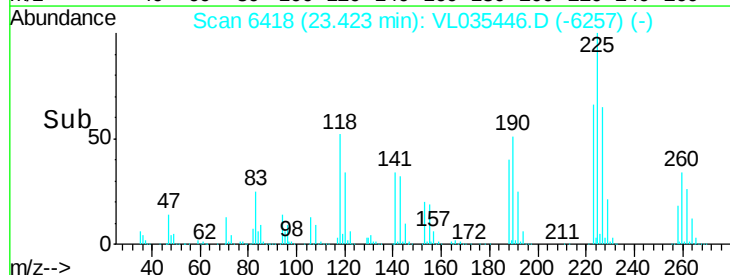
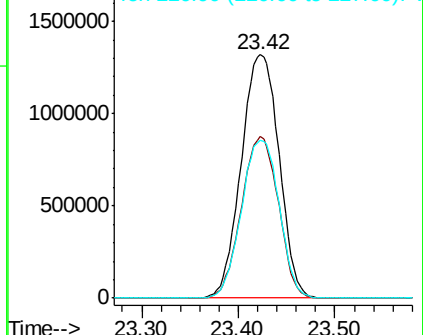
227 64.8 51.0 76.6

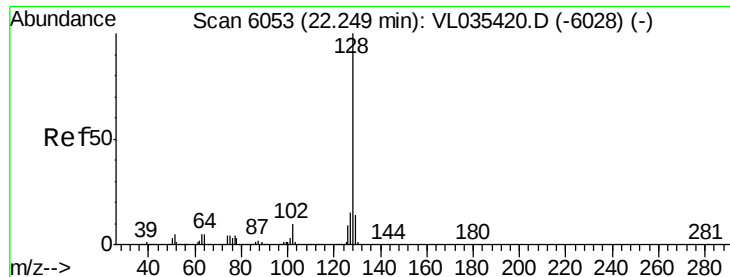


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.208 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

Instrument :

MSVOA_L

ClientSampleId :

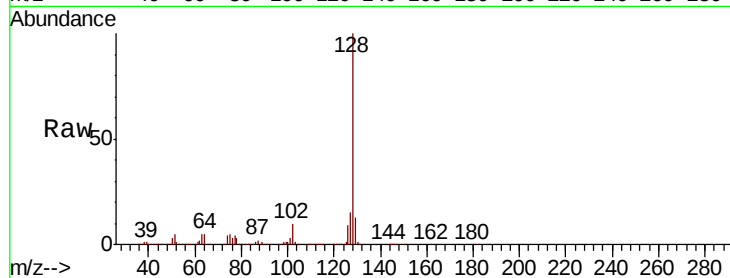
Tot Ion:128 Resp: 8560374

Ion Ratio Lower Upper

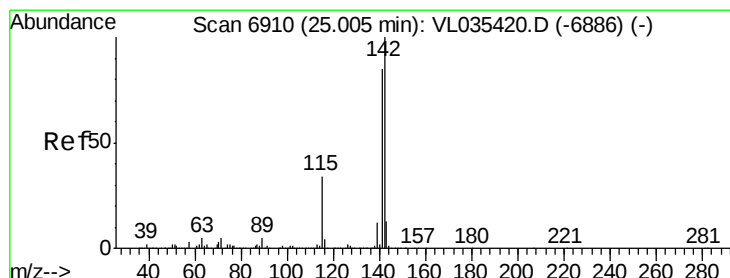
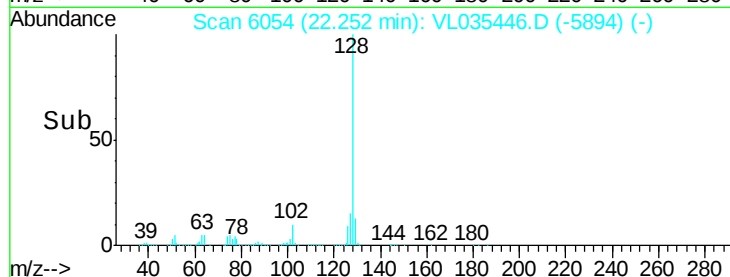
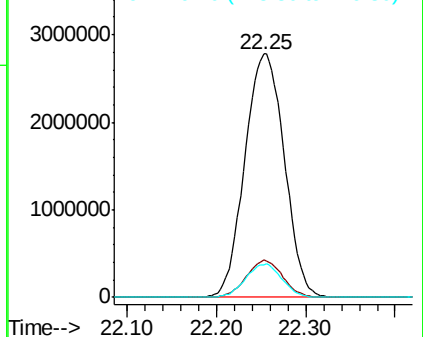
128 100

127 15.2 11.4 17.0

129 13.5 9.5 14.3



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 8.176 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.01 min

Lab File: VL035446.D

Acq: 18 Aug 2020 17:12

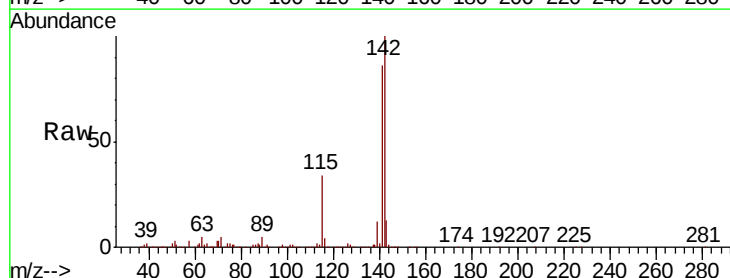
Tgt Ion:142 Resp: 4012518

Ion Ratio Lower Upper

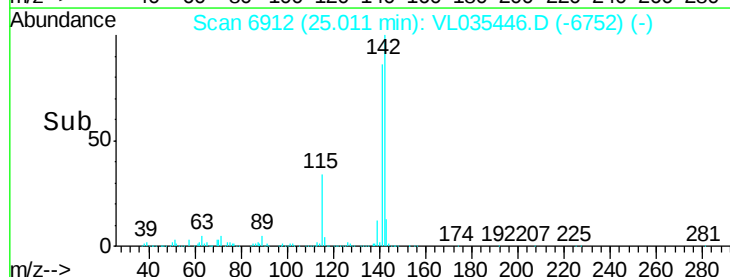
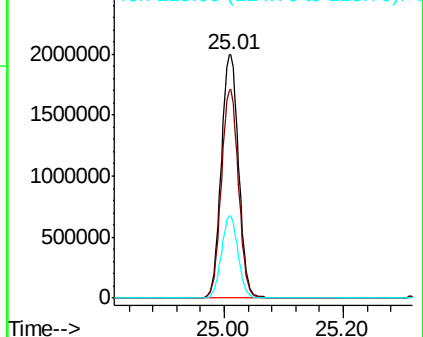
142 100

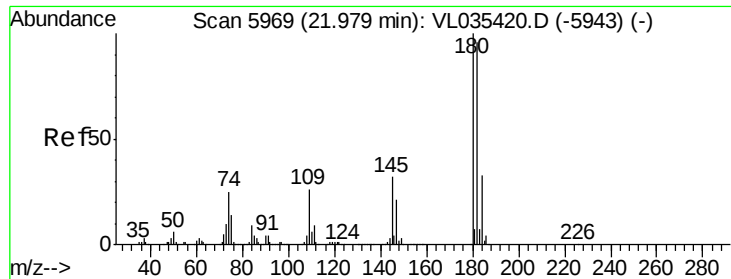
141 84.7 67.1 100.7

115 32.5 36.1 54.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.349 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.02 min
 Lab File: VL035446.D
 Acq: 18 Aug 2020 17:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 5260955
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 115.0
 184 32.5 24.8 37.2

