

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037265.D
 Acq On : 30 Jun 2021 1:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 30 05:24:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1587567	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4692276	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	5411350	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3455979	8.43	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2566558	9.296 ppbv	98
3) Chlorodifluoromethane	2.98	51	2616615	8.476 ppbv	100
4) Chloromethane	3.14	50	858146	8.341 ppbv	100
5) Vinyl Chloride	3.25	62	935419	8.273 ppbv	96
6) Bromomethane	3.47	94	496674	7.363 ppbv	99
7) Chloroethane	3.55	64	327476	8.102 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2327159	8.216 ppbv	98
9) Propene	3.01	41	814721	8.254 ppbv	98
10) Heptane	8.11	43	2059221	8.614 ppbv	99
11) Trichlorofluoromethane	3.95	101	2428170	8.242 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1810439	8.718 ppbv	100
13) Ethanol	3.61	45	90598	5.934 ppbv	53
14) Bromoethene	3.74	108	731811	8.443 ppbv	99
15) Acetone	3.85	43	1326163	7.408 ppbv	96
16) 1,3-Butadiene	3.32	39	939537	8.877 ppbv	96
17) tert-Butyl alcohol	4.29	59	1396507	8.440 ppbv	99
18) 1,1-Dichloroethene	4.29	96	799405	8.687 ppbv	95
19) Isopropyl Alcohol	3.97	45	786568	7.254 ppbv	# 1
20) Methylene Chloride	4.34	84	672549	6.275 ppbv	98
21) Allyl Chloride	4.41	41	1116118	8.271 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	833881	9.157 ppbv	98
23) Vinyl Acetate	5.07	43	2088625	8.136 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1675148	8.105 ppbv	100
25) Ethyl Acetate	5.67	43	3155763	8.142 ppbv	99
26) Hexane	5.68	57	1544882	7.887 ppbv	97
27) Carbon Disulfide	4.55	76	1851581	9.648 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1731681	7.353 ppbv	99
29) Chloroform	5.75	83	2475886	8.182 ppbv	100
30) Cyclohexane	7.12	84	1373551	8.416 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556283	8.646 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2596250	8.018 ppbv	99
34) 2-Butanone	5.24	43	1388463	7.609 ppbv	99
35) Carbon Tetrachloride	7.01	117	2700772	8.582 ppbv	99
36) Benzene	6.89	78	3225616	8.501 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1886761	8.560 ppbv	99
38) Trichloroethene	7.83	130	1328069	7.363 ppbv	100
39) 1,2-Dichloropropane	7.61	63	1237542	8.777 ppbv	96
40) 1,4-Dioxane	7.83	88	317861	8.221 ppbv	79
41) Tetrahydrofuran	6.05	42	701152	8.272 ppbv	99
42) Bromodichloromethane	7.79	83	2660414	8.749 ppbv	99
43) Methyl Methacrylate	8.01	69	1243174	9.487 ppbv	99

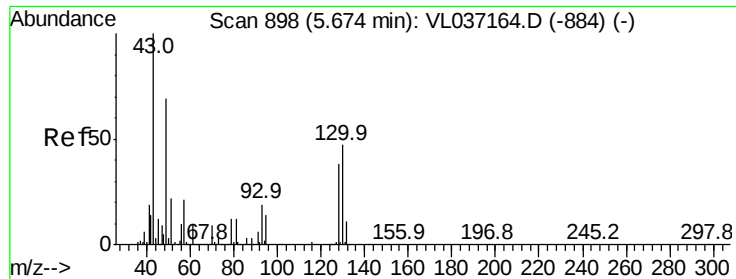
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037265.D
 Acq On : 30 Jun 2021 1:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 30 05:24:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5368147	8.402	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	895439	7.745	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1198913	7.581	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1388167	8.630	ppbv	98
48) Dibromochloromethane	10.30	129	2459214	9.685	ppbv	100
49) Bromoform	13.03	173	2084825	11.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2212029	8.825	ppbv	100
51) 2-Hexanone	10.13	43	1155840	9.478	ppbv #	97
52) Tetrachloroethene	11.22	164	1349811	7.656	ppbv	99
53) Toluene	9.80	91	3915658	8.639	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2023135	8.752	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1718041	7.262	ppbv #	55
57) Chlorobenzene	12.14	112	2967686	6.762	ppbv	98
58) Ethyl Benzene	12.70	91	5257442	7.057	ppbv	99
59) m/p-Xylene	12.99	91	4886942	7.741	ppbv #	47
60) o-Xylene	13.69	91	4208097	7.000	ppbv	99
61) Styrene	13.52	104	2313385	7.457	ppbv	98
62) Isopropylbenzene	14.66	105	6053998	7.083	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2923504	7.304	ppbv	99
64) n-propylbenzene	15.55	120	1609766	7.520	ppbv	96
65) tert-Butylbenzene	16.74	119	5461740	7.204	ppbv	99
66) Benzyl Chloride	16.98	91	58783	1.830	ppbv #	44
67) sec-Butylbenzene	17.29	105	7320564	7.241	ppbv	99
69) p-Isopropyltoluene	17.64	119	6322504	7.404	ppbv	99
70) n-Butylbenzene	18.54	91	6029630	7.630	ppbv	100
71) 2-Chlorotoluene	15.44	91	4469856	7.480	ppbv	99
72) 4-Ethyltoluene	15.83	105	5124057	7.503	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4620163	6.999	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4866644	7.155	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	3051612	7.379	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2950413	7.143	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	3015444	7.538	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2078766	6.044	ppbv	99
79) Naphthalene	22.19	128	3923585	6.919	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	788963	5.305	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2279582	6.966	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampled :

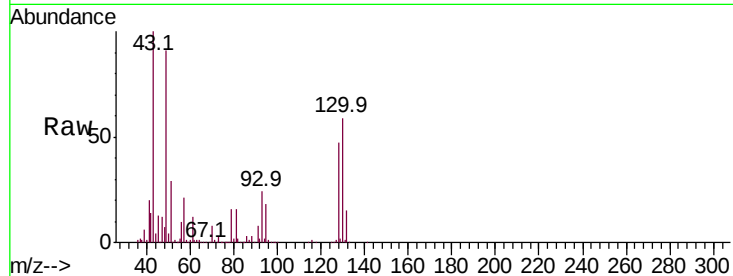
Tot Ion: 49 Resp: 1587567

Ion Ratio Lower Upper

49 100

128 57.6 29.3 88.0

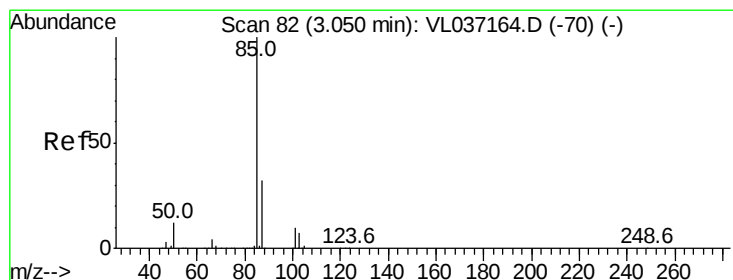
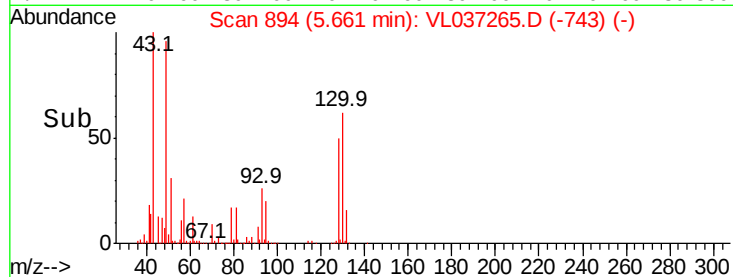
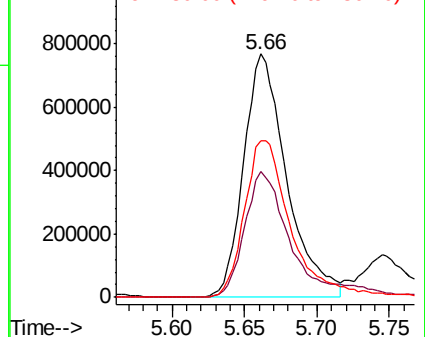
130 71.2 35.9 107.8



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: 9.296 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037265.D

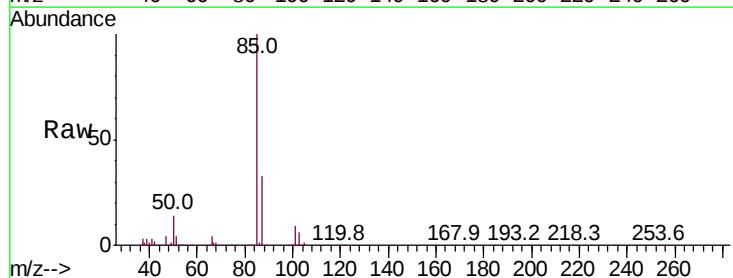
Acq: 30 Jun 2021 1:24

Tgt Ion: 85 Resp: 2566558

Ion Ratio Lower Upper

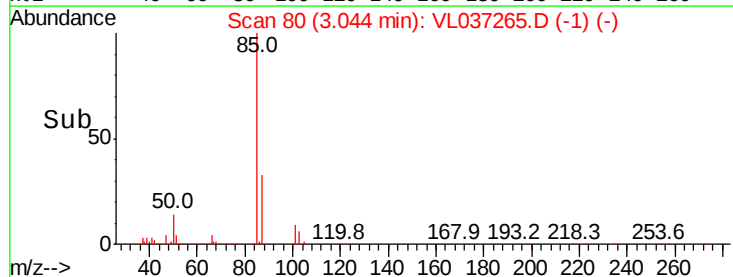
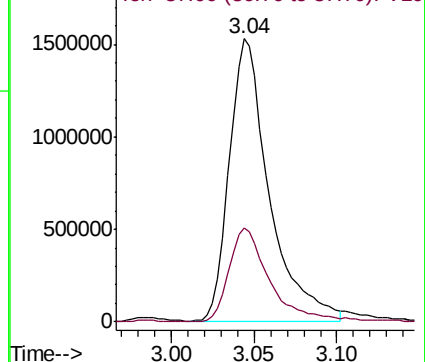
85 100

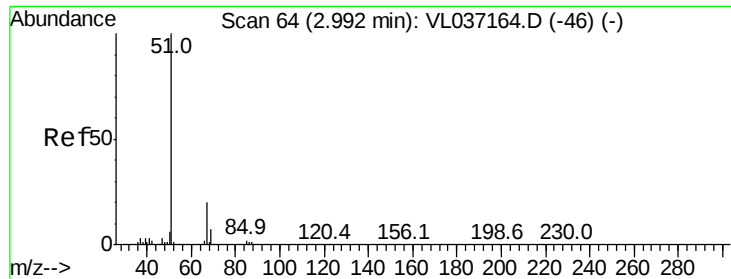
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.476 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

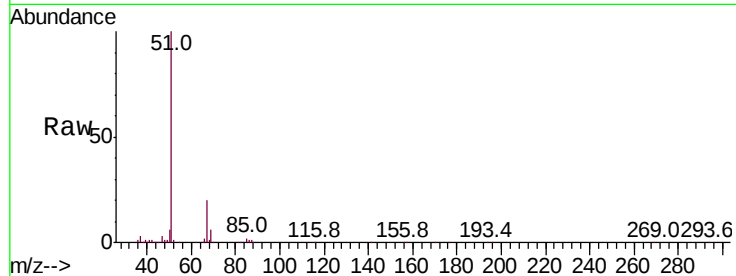
ClientSampleId :

Tot Ion: 51 Resp: 2616615

Ion Ratio Lower Upper

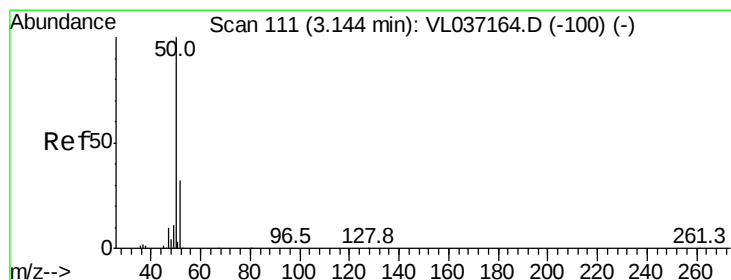
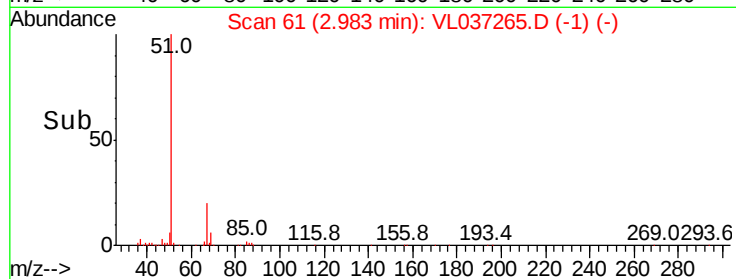
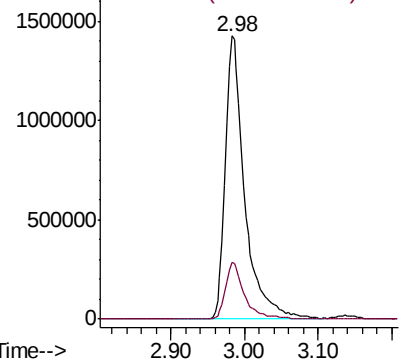
51 100

67 19.6 15.8 23.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.341 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037265.D

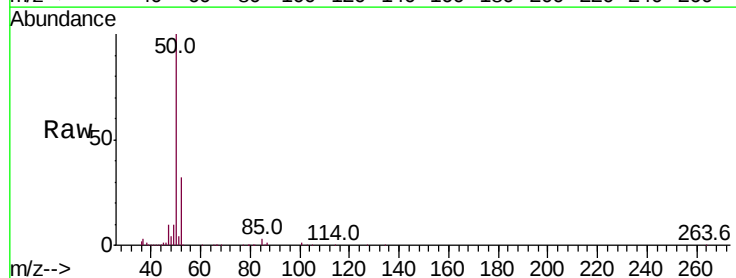
Acq: 30 Jun 2021 1:24

Tgt Ion: 50 Resp: 858146

Ion Ratio Lower Upper

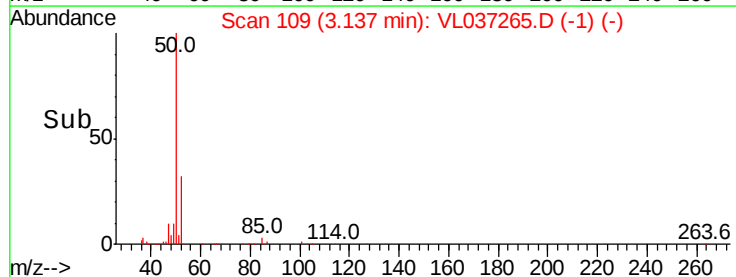
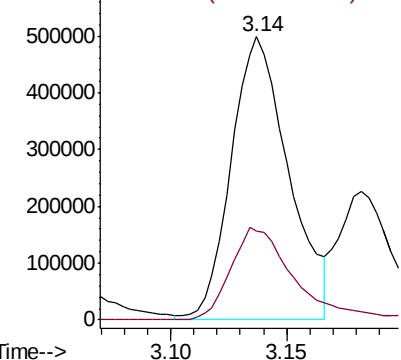
50 100

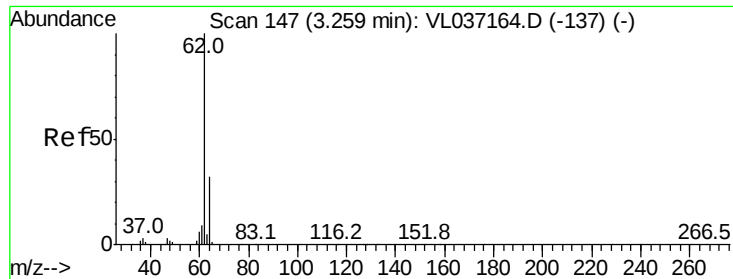
52 32.0 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.273 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

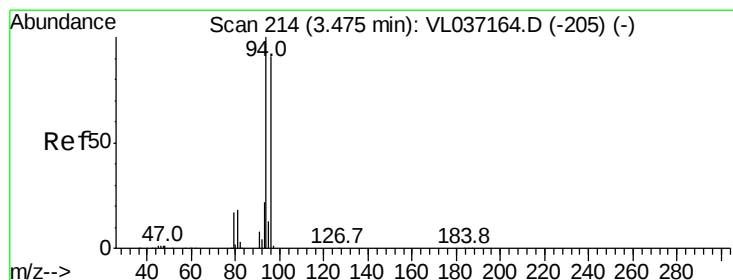
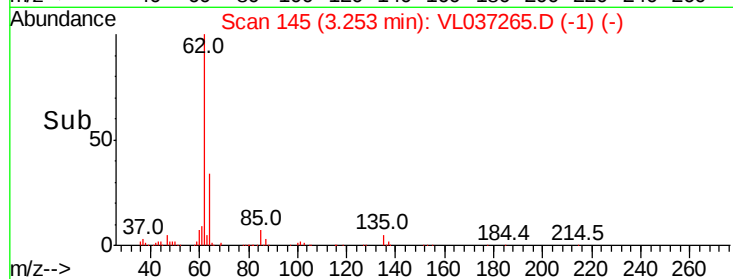
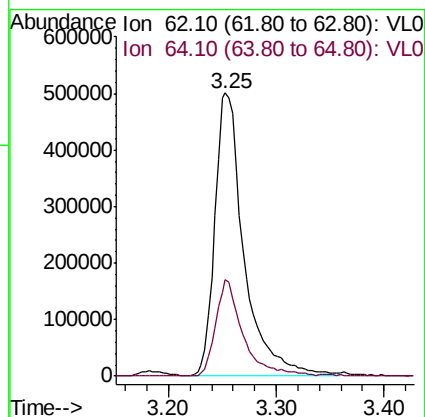
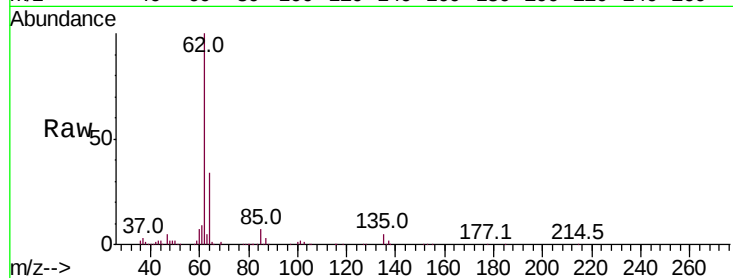
ClientSampled :

Tot Ion: 62 Resp: 935419

Ion Ratio Lower Upper

62 100

64 34.4 25.6 38.4



#6

Bromomethane

Concen: 7.363 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037265.D

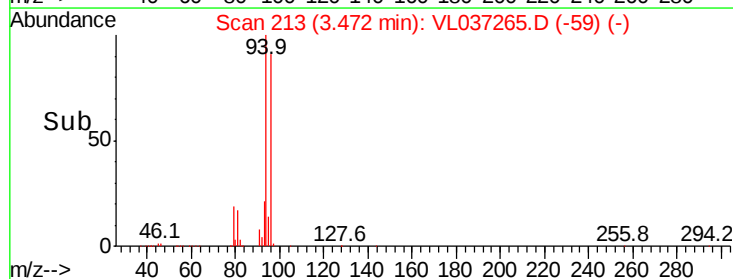
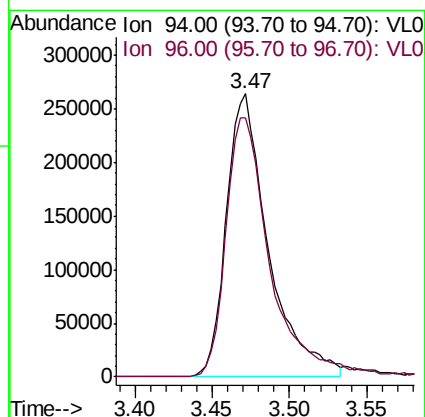
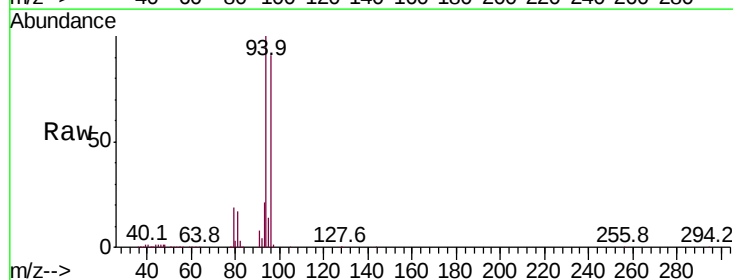
Acq: 30 Jun 2021 1:24

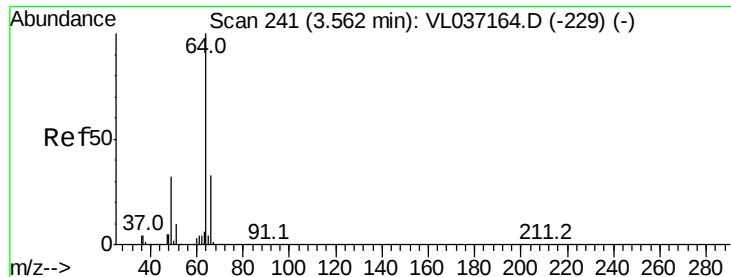
Tgt Ion: 94 Resp: 496674

Ion Ratio Lower Upper

94 100

96 91.3 72.6 108.8





#7

Chloroethane

Concen: 8.102 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

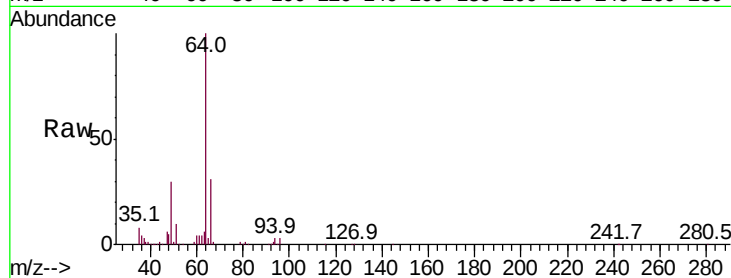
ClientSampleId :

Tot Ion: 64 Resp: 327476

Ion Ratio Lower Upper

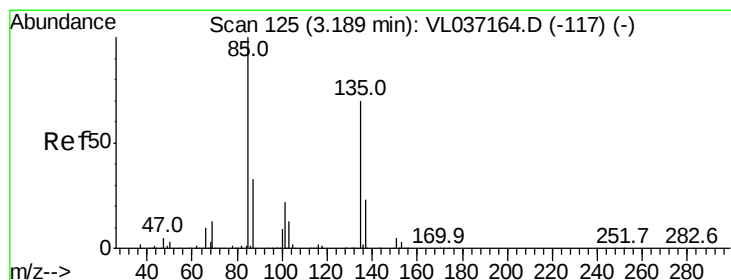
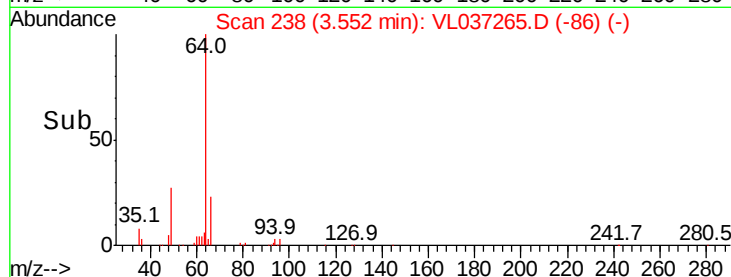
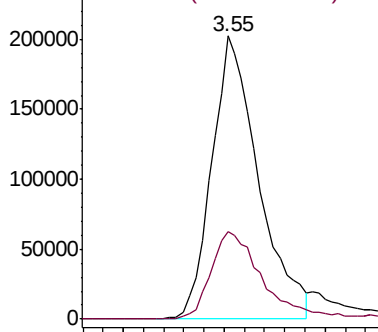
64 100

66 31.1 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.216 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037265.D

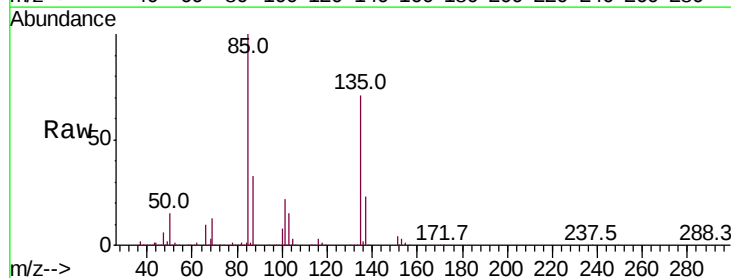
Acq: 30 Jun 2021 1:24

Tgt Ion: 85 Resp: 2327159

Ion Ratio Lower Upper

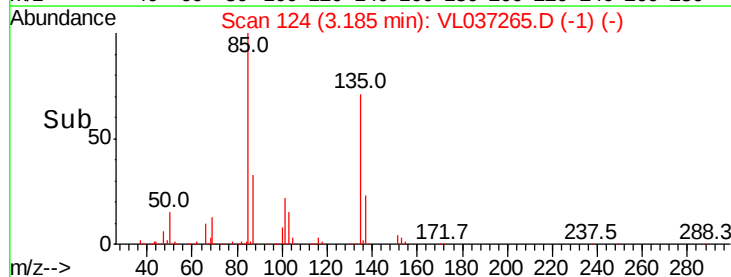
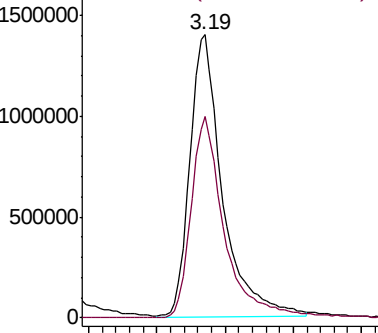
85 100

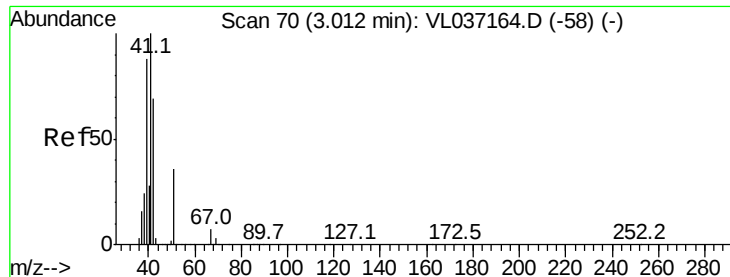
135 73.5 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.254 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

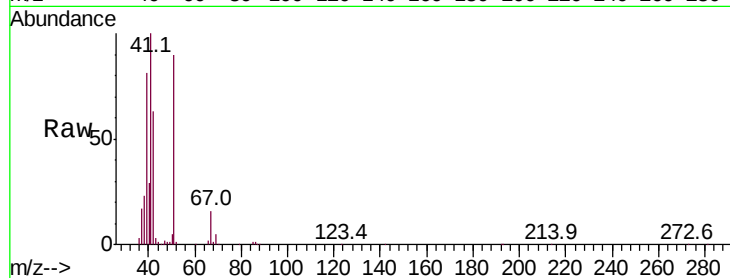
ClientSampleId :

Tot Ion: 41 Resp: 814721

Ion Ratio Lower Upper

41 100

42 66.3 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

500000

400000

300000

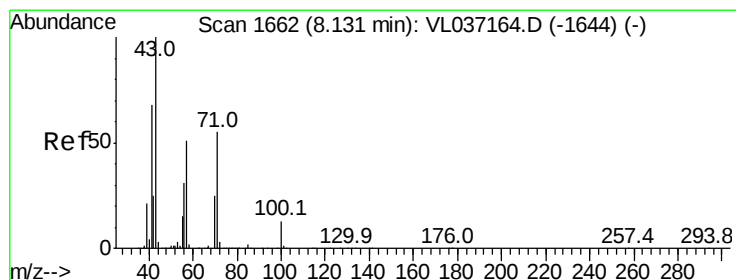
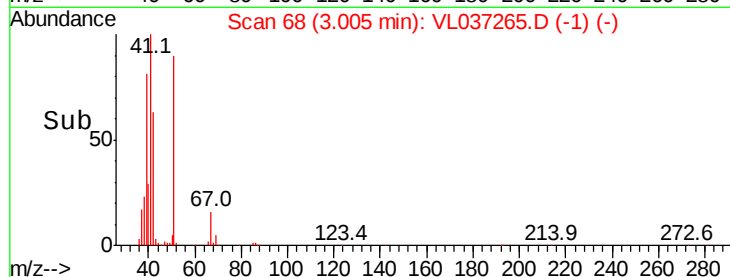
200000

100000

0

Time-->

2.95 3.00 3.05 3.10



#10

Heptane

Concen: 8.614 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL037265.D

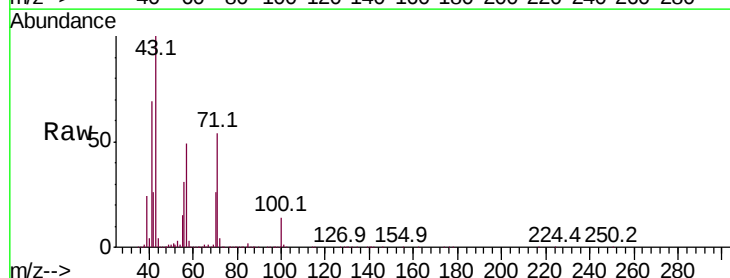
Acq: 30 Jun 2021 1:24

Tgt Ion: 43 Resp: 2059221

Ion Ratio Lower Upper

43 100

57 49.8 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

1000000

800000

600000

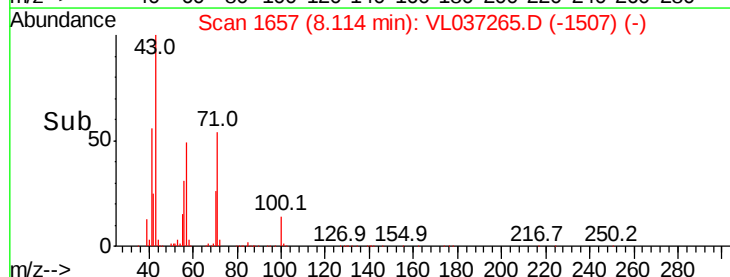
400000

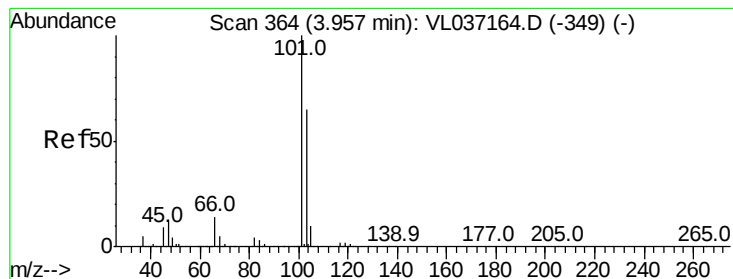
200000

0

Time-->

8.00 8.10 8.20





#11

Trichlorofluoromethane

Concen: 8.242 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

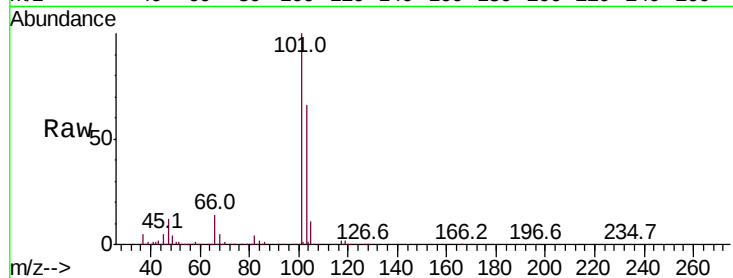
ClientSampleId :

Tot Ion:101 Resp: 2428170

Ion Ratio Lower Upper

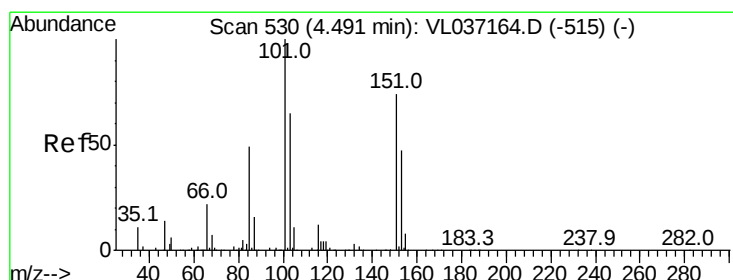
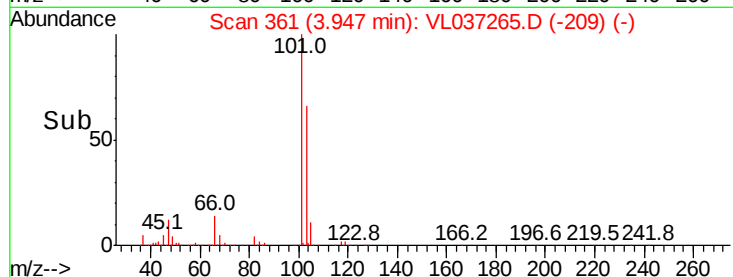
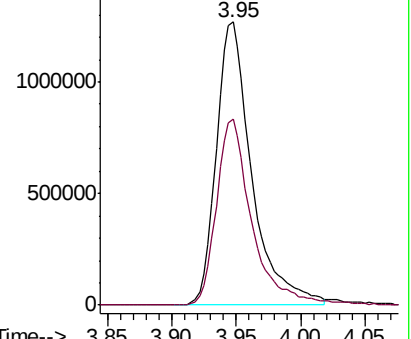
101 100

103 65.6 52.2 78.4



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: 8.718 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.01 min

Lab File: VL037265.D

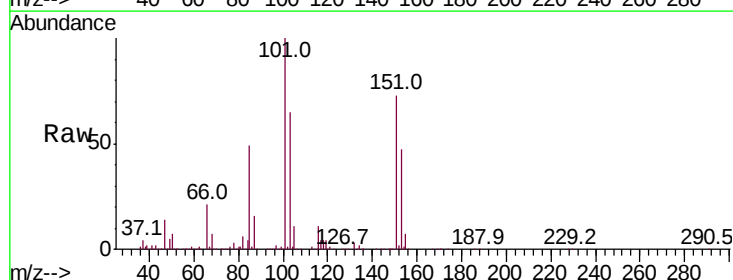
Acq: 30 Jun 2021 1:24

Tgt Ion:101 Resp: 1810439

Ion Ratio Lower Upper

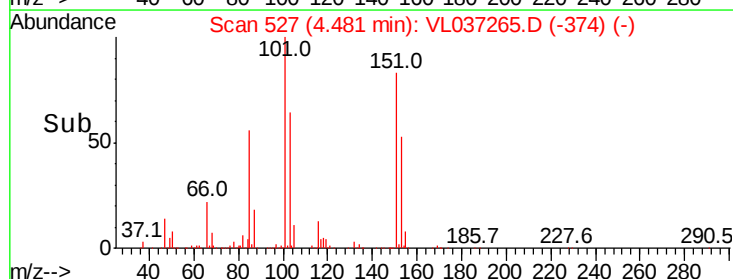
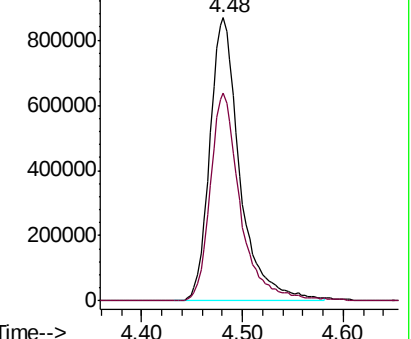
101 100

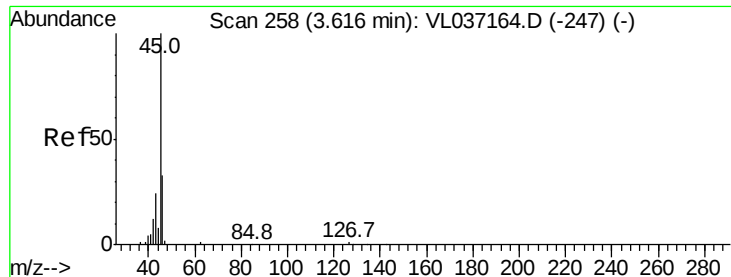
151 73.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.934 ppbv

RT: 3.61 min Scan# 257

Delta R.T. -0.00 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

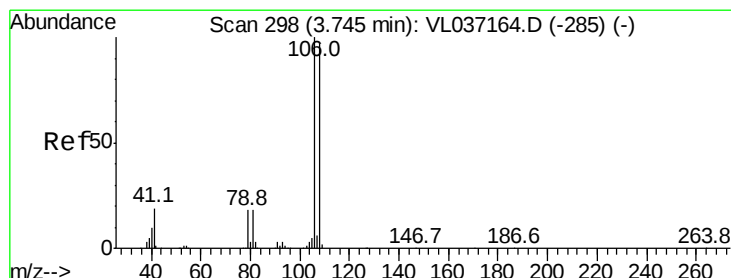
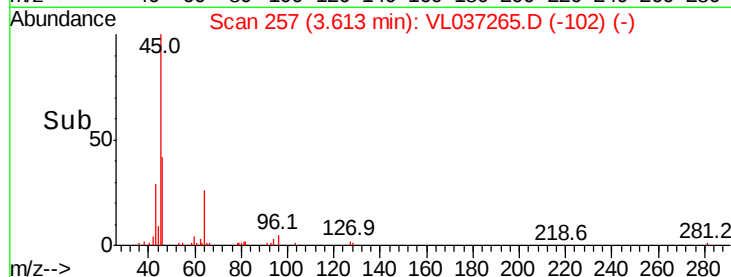
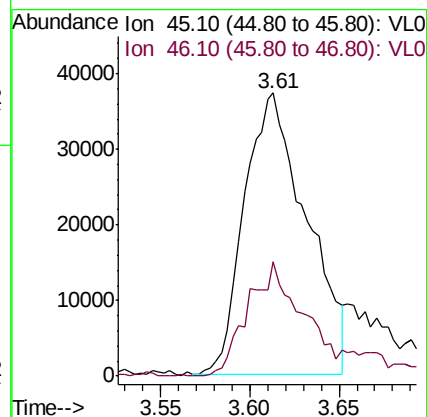
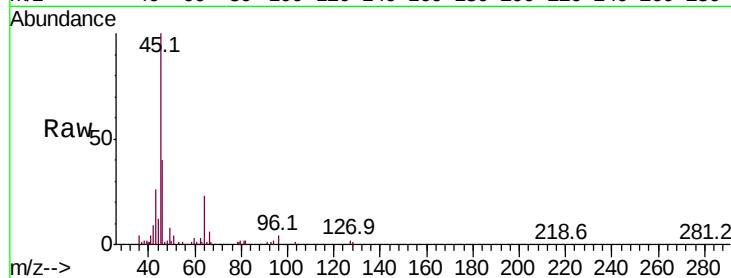
ClientSampleId :

Tot Ion: 45 Resp: 90598

Ion Ratio Lower Upper

45 100

46 42.8 34.2 137.0



#14

Bromoethene

Concen: 8.443 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

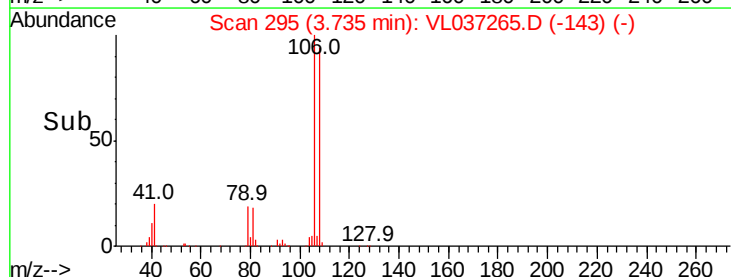
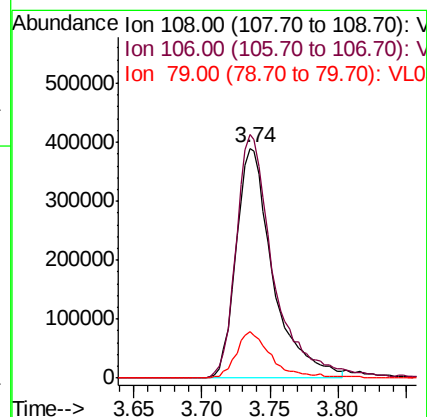
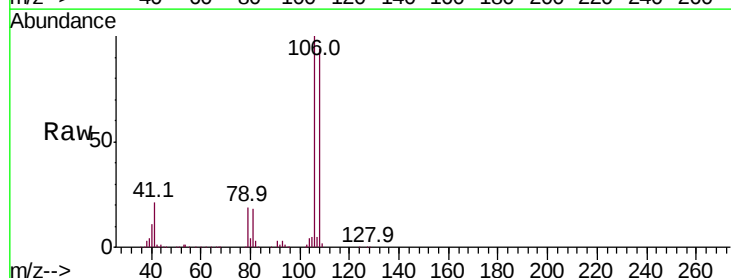
Tgt Ion: 108 Resp: 731811

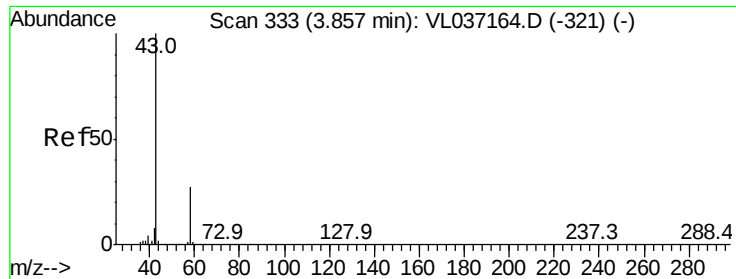
Ion Ratio Lower Upper

108 100

106 109.7 86.8 130.2

79 20.1 15.6 23.4

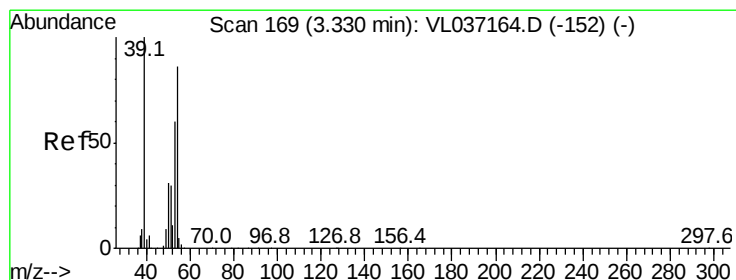
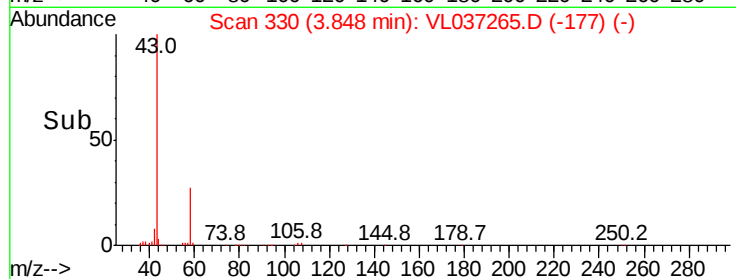
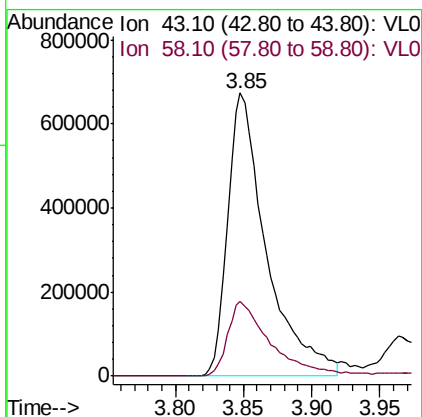
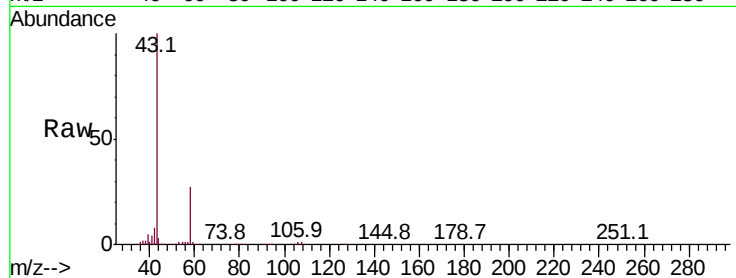




#15
Acetone
Concen: 7.408 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

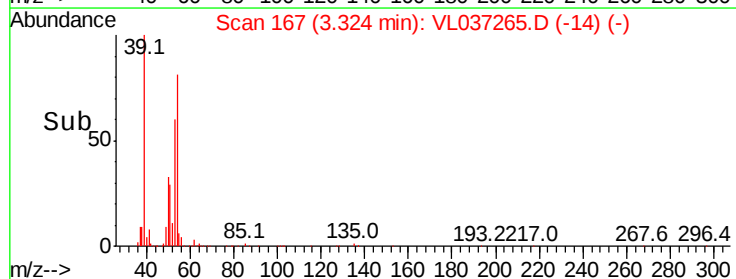
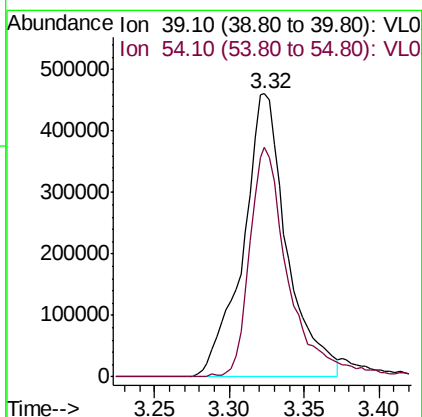
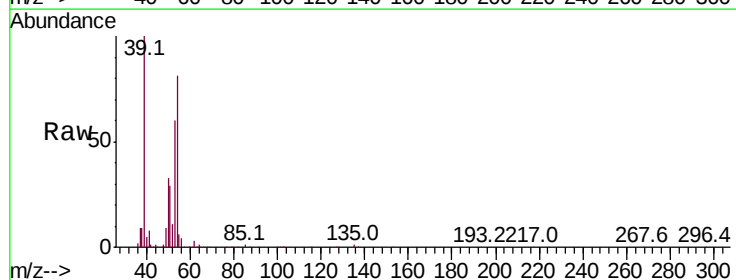
Instrument :
MSVOA_L
ClientSampleId :

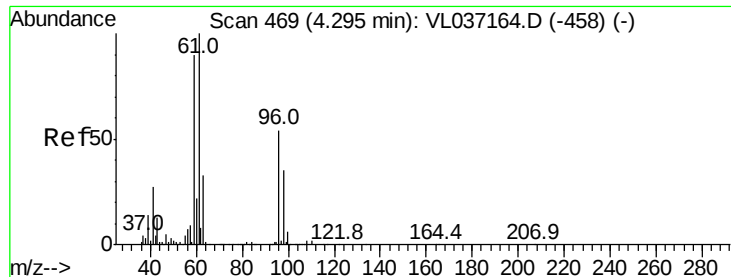
Tot Ion: 43 Resp: 1326163
Ion Ratio Lower Upper
43 100
58 31.7 23.7 35.5



#16
1,3-Butadiene
Concen: 8.877 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 39 Resp: 939537
Ion Ratio Lower Upper
39 100
54 73.0 61.2 91.8



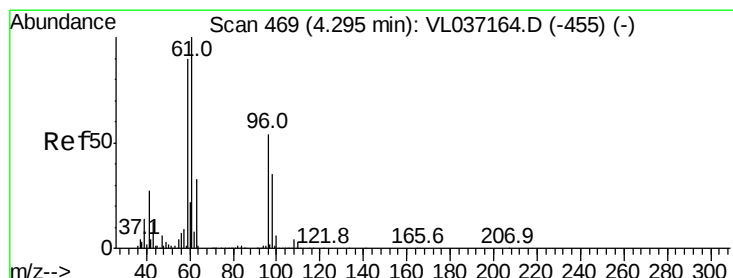
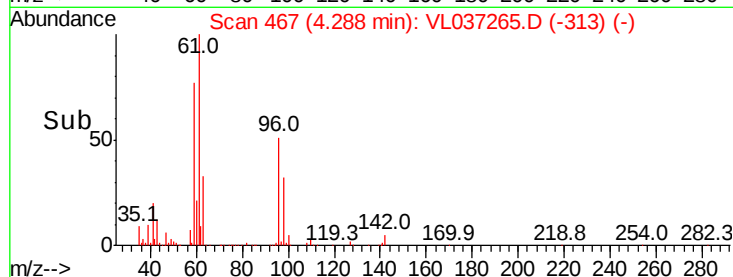
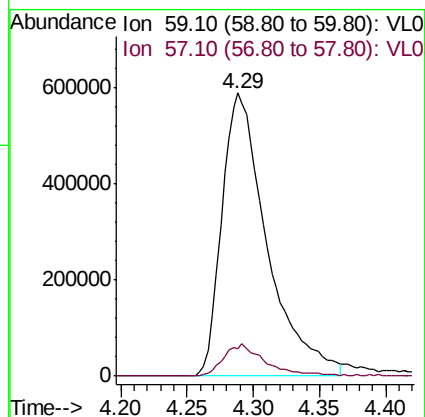
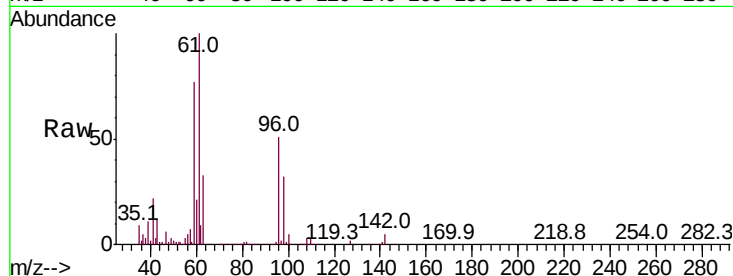


#17

tert-Butyl alcohol
 Concen: 8.440 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :

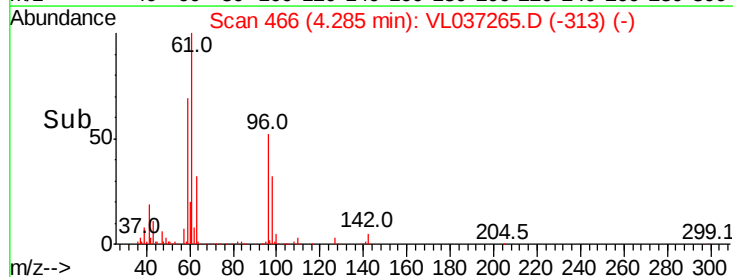
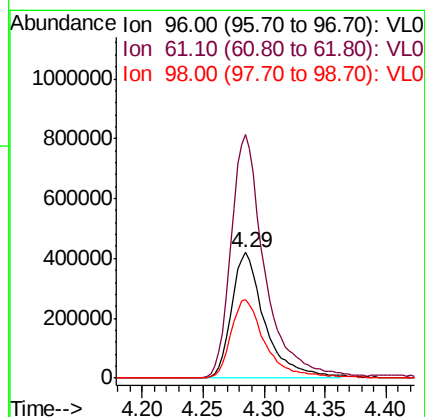
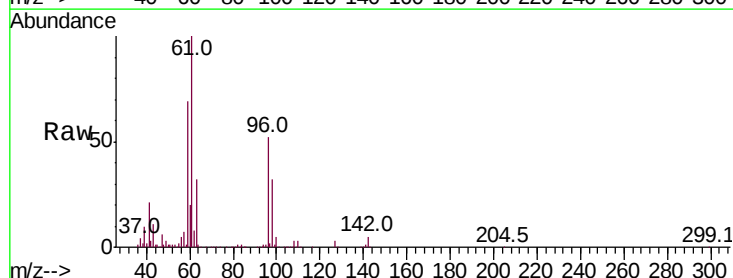
Tot Ion: 59 Resp: 1396507
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

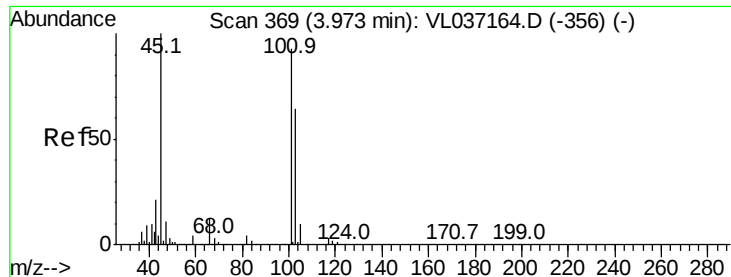


#18

1,1-Dichloroethene
 Concen: 8.687 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 96 Resp: 799405
 Ion Ratio Lower Upper
 96 100
 61 193.7 148.6 222.8
 98 62.4 51.9 77.9



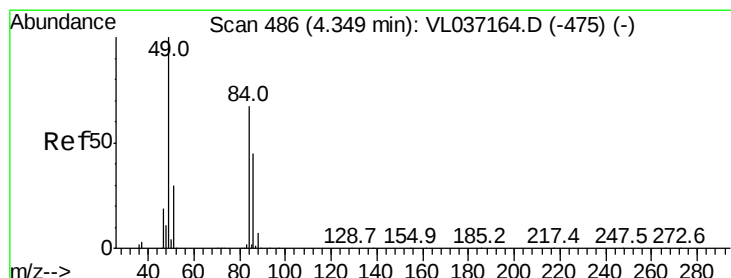
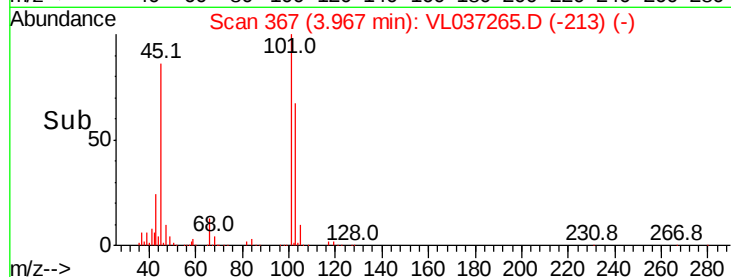
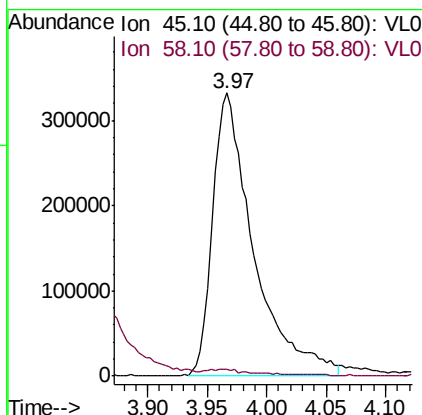
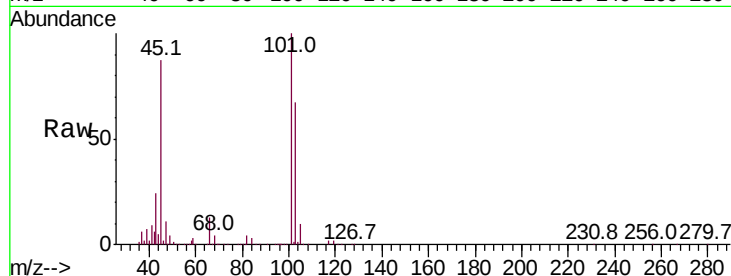


#19

Isopropyl Alcohol
 Concen: 7.254 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :

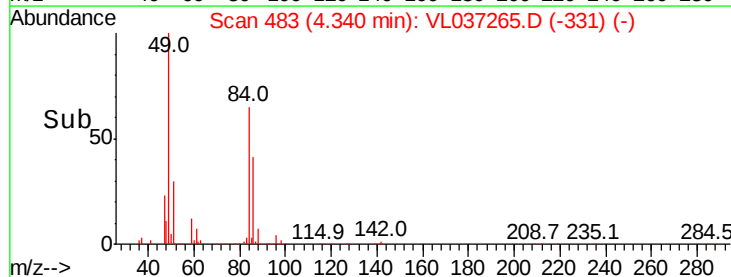
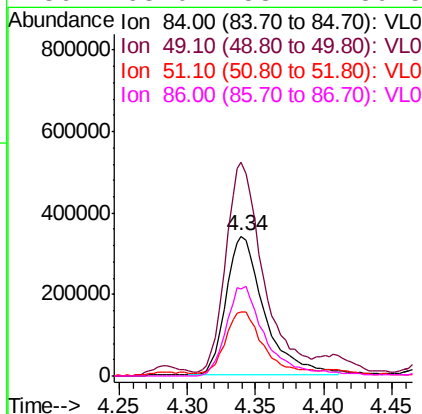
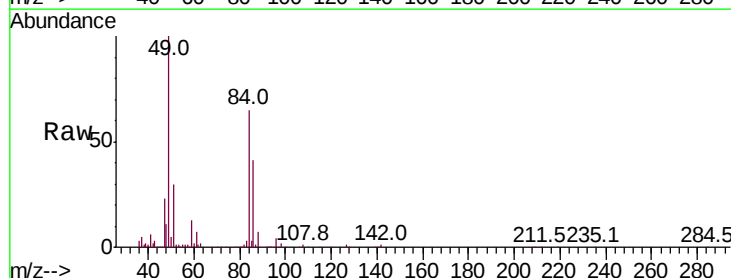
Tot Ion: 45 Resp: 786568
 Ion Ratio Lower Upper
 45 100
 58 53.5 2.4 3.6#

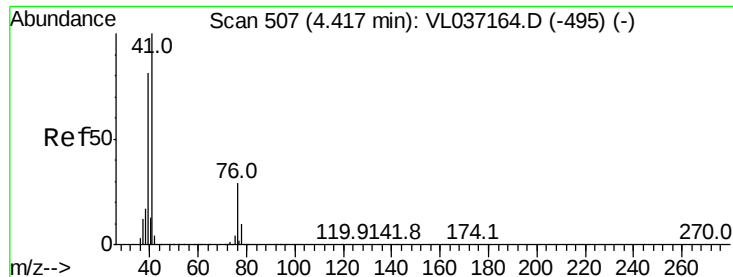


#20

Methylene Chloride
 Concen: 6.275 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 84 Resp: 672549
 Ion Ratio Lower Upper
 84 100
 49 150.1 119.7 179.5
 51 44.6 36.1 54.1
 86 63.0 53.7 80.5





#21

Allvl Chloride

Concen: 8.271 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

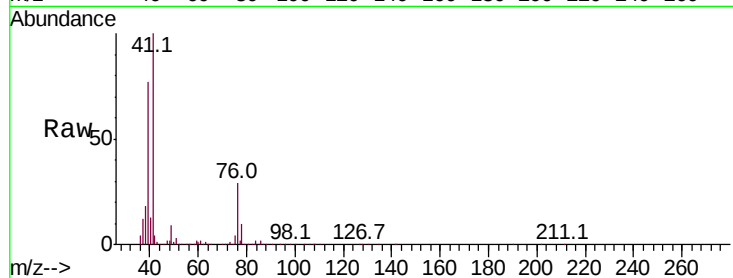
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1116118

Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.6	37.0
39	82.1	65.4	98.0

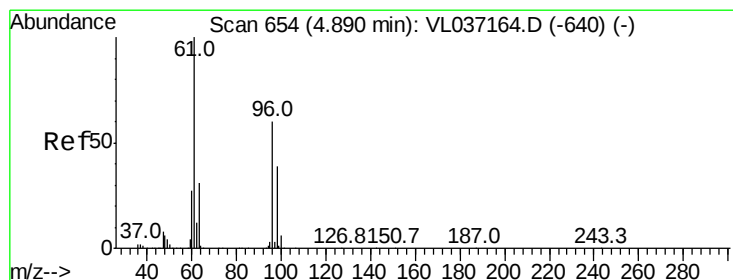
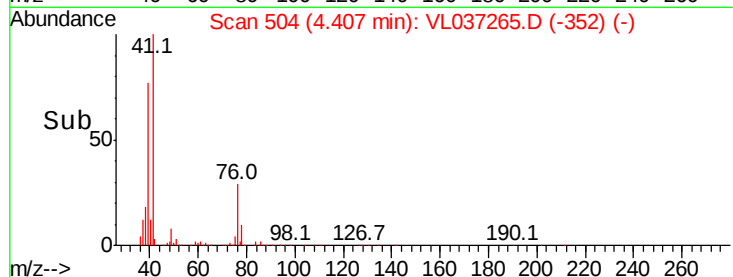
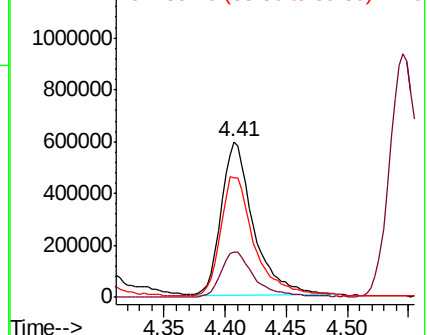


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.157 ppbv

RT: 4.88 min Scan# 651

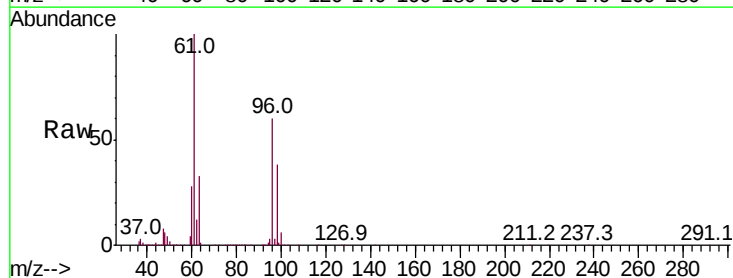
Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 96 Resp: 833881

Ion	Ratio	Lower	Upper
96	100		
61	165.5	133.9	200.9
98	62.7	52.9	79.3

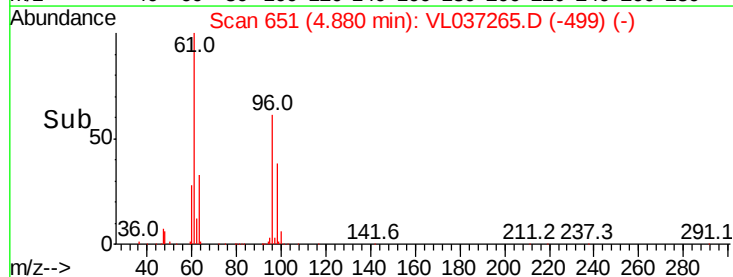
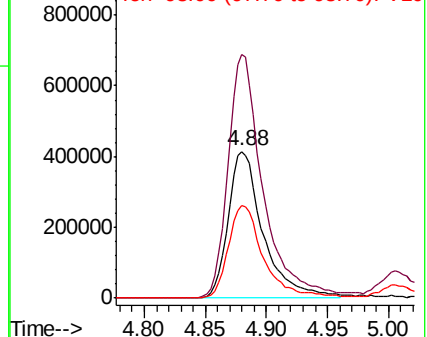


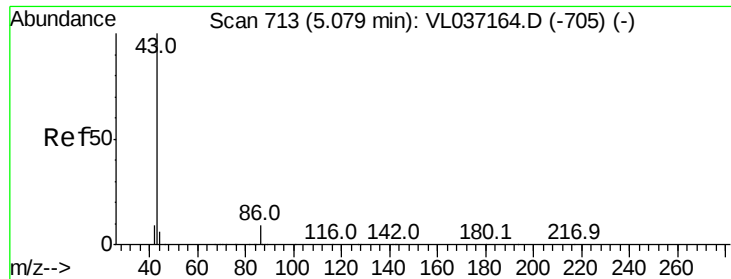
Abundance

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





#23

Vinyl Acetate

Concen: 8.136 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

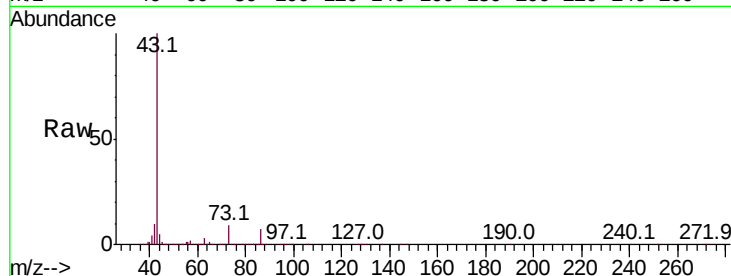
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

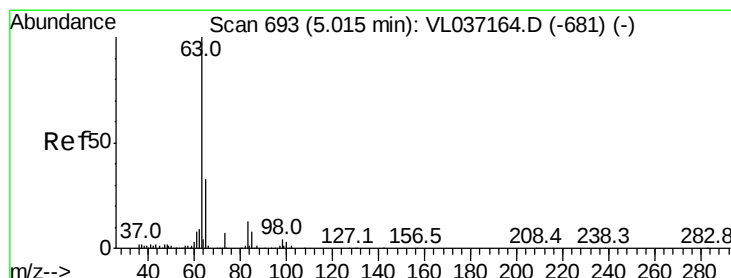
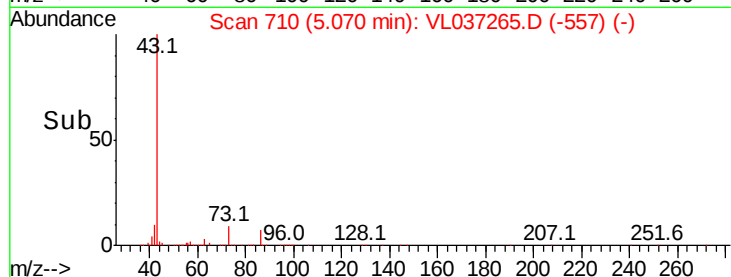
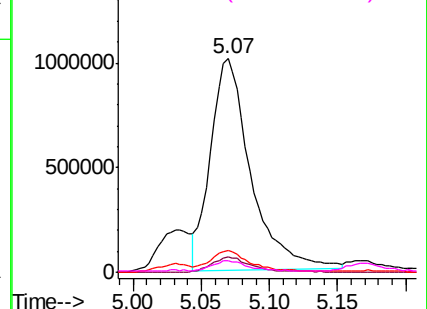
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2088625

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	10.0	8.2	12.2
44	4.5	4.2	6.4



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: 8.105 ppbv

RT: 5.01 min Scan# 690

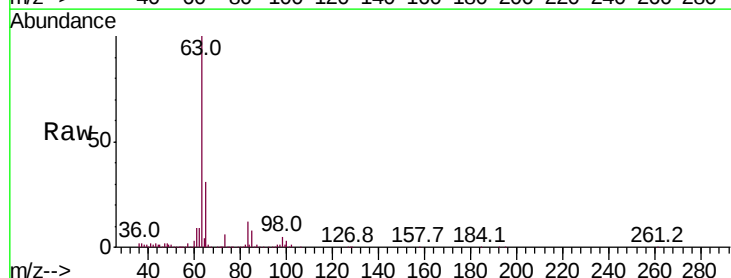
Delta R.T. -0.01 min

Lab File: VL037265.D

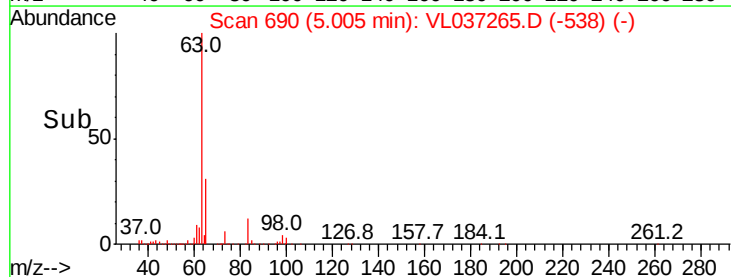
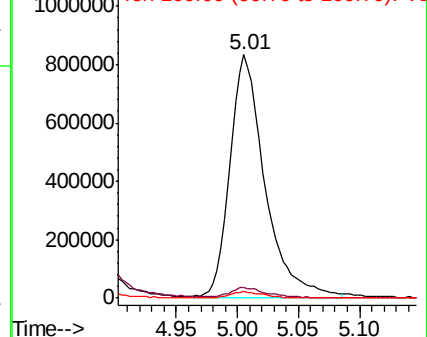
Acq: 30 Jun 2021 1:24

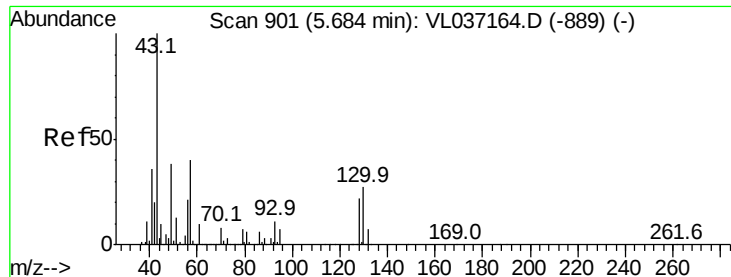
Tgt Ion: 63 Resp: 1675148

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.6	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.142 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

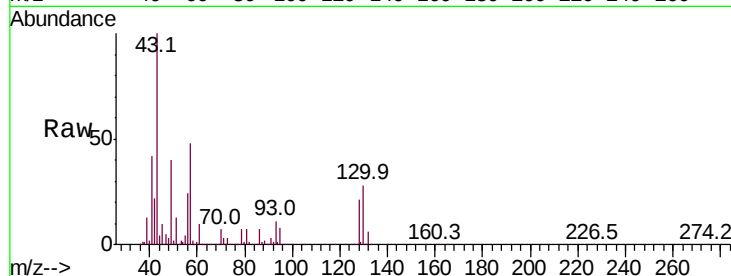
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3155763

Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.0	12.0
61	9.5	8.1	12.1
70	6.6	5.5	8.3



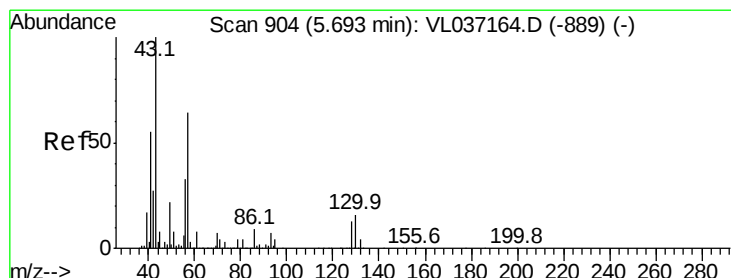
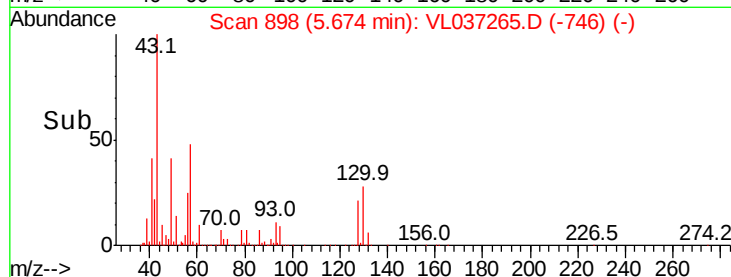
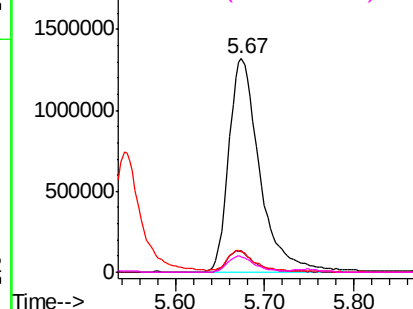
Abundance

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: 7.887 ppbv

RT: 5.68 min Scan# 900

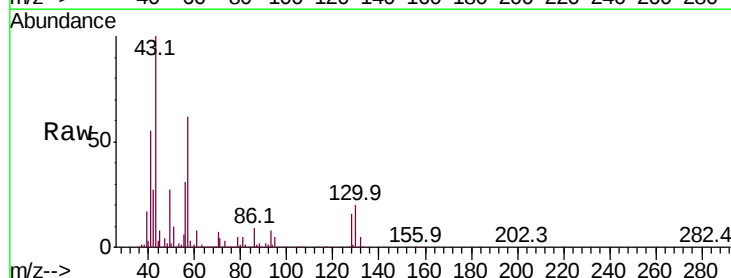
Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 57 Resp: 1544882

Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.5	110.3
43	206.2	170.7	256.1
56	52.3	42.4	63.6



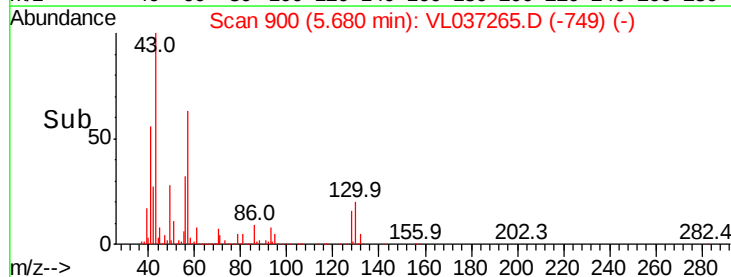
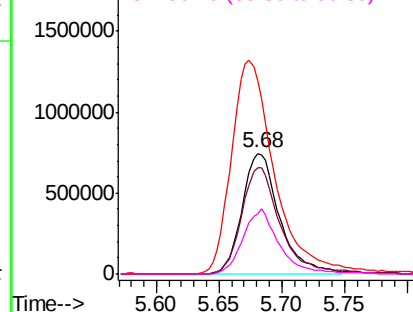
Abundance

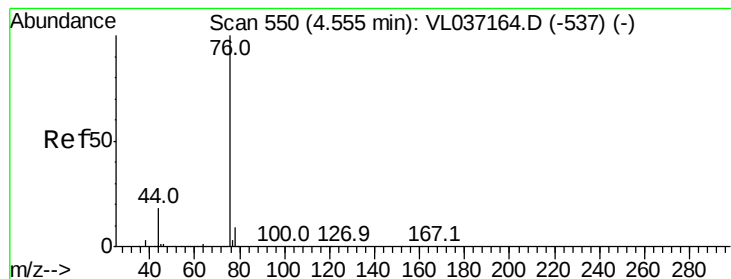
Ion 57.10 (56.80 to 57.80): VL0

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: 9.648 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

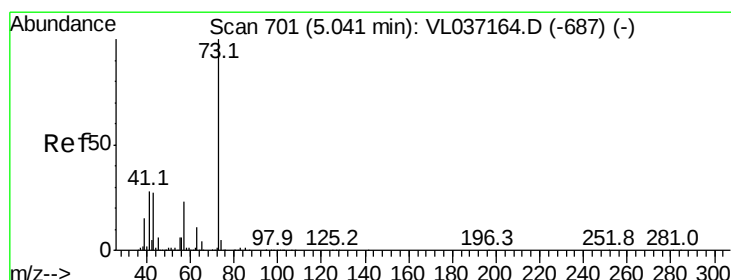
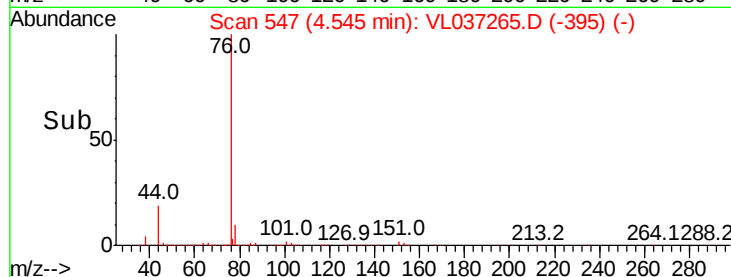
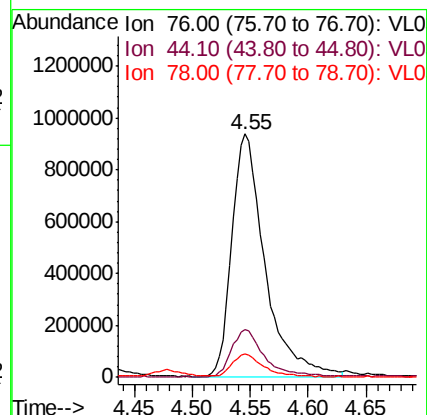
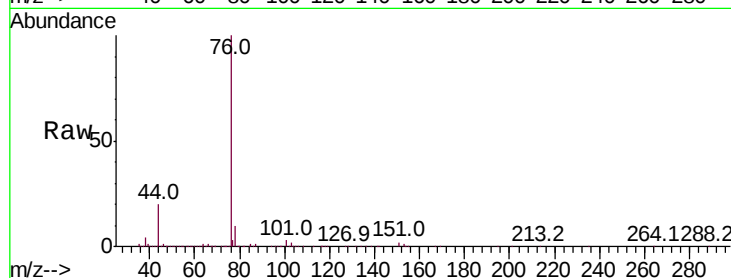
Tot Ion: 76 Resp: 1851581

Ion Ratio Lower Upper

76 100

44 19.7 15.4 23.2

78 9.5 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 7.353 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL037265.D

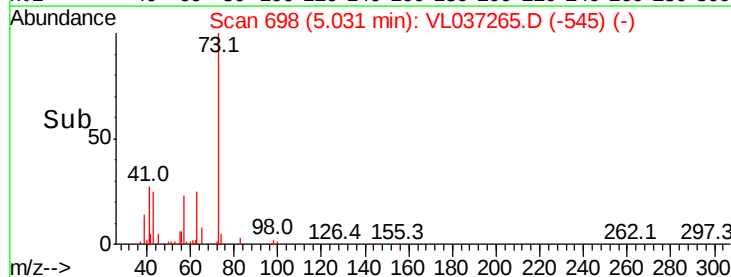
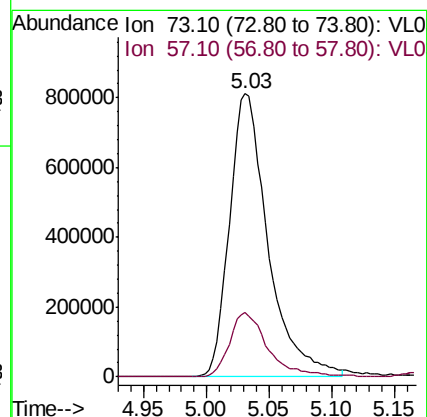
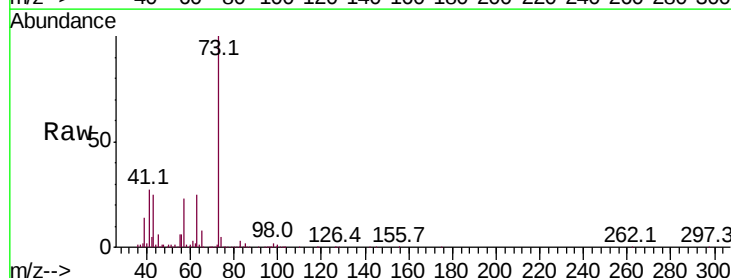
Acq: 30 Jun 2021 1:24

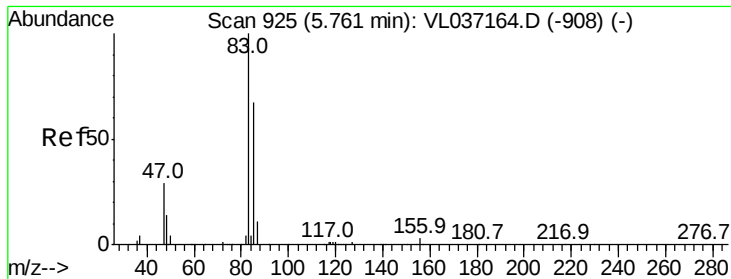
Tgt Ion: 73 Resp: 1731681

Ion Ratio Lower Upper

73 100

57 23.0 18.0 27.0

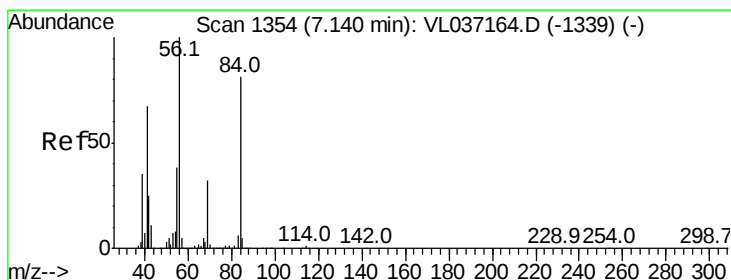
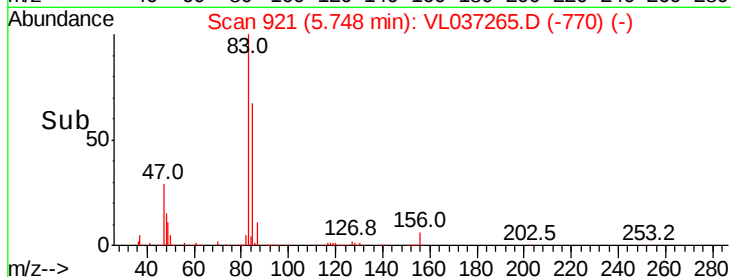
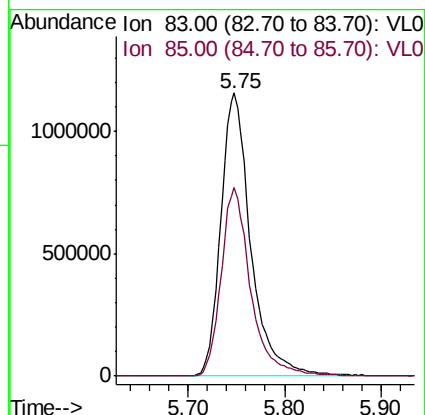
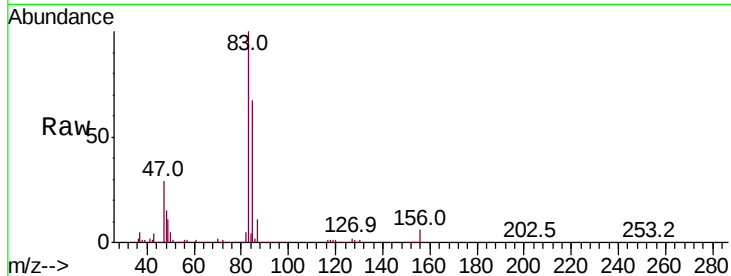




#29
Chloroform
Concen: 8.182 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

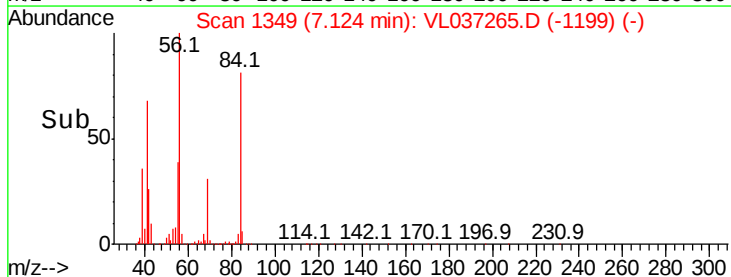
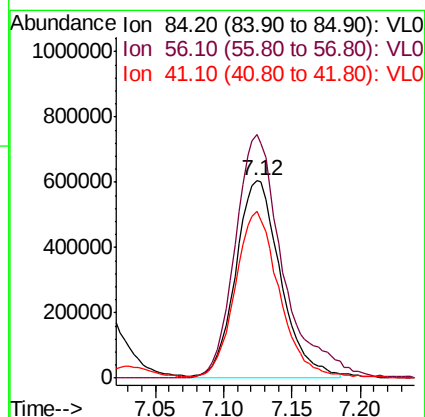
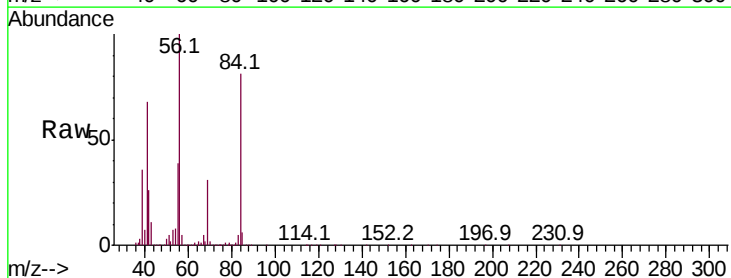
Instrument :
MSVOA_L
ClientSampleId :

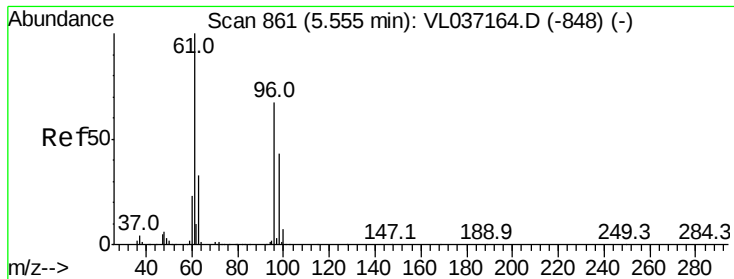
Tot Ion: 83 Resp: 2475886
Ion Ratio Lower Upper
83 100
85 66.8 53.6 80.4



#30
Cyclohexane
Concen: 8.416 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 84 Resp: 1373551
Ion Ratio Lower Upper
84 100
56 133.1 107.7 161.5
41 85.2 69.0 103.6



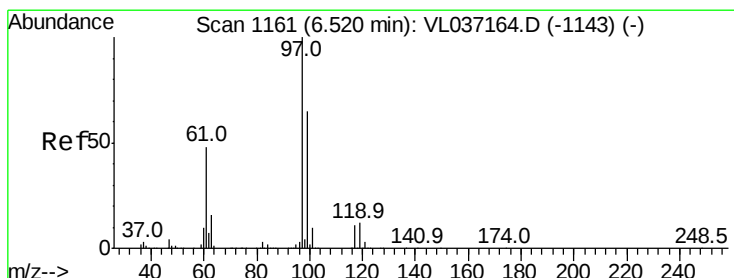
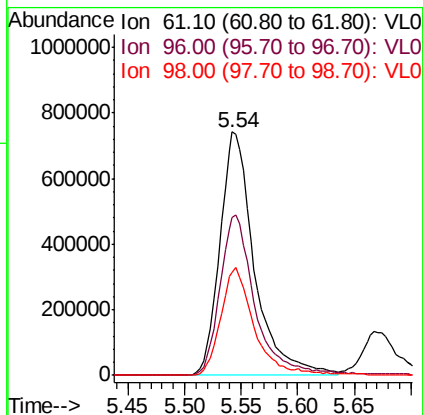
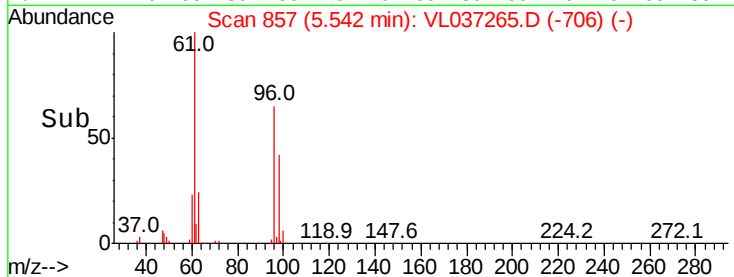
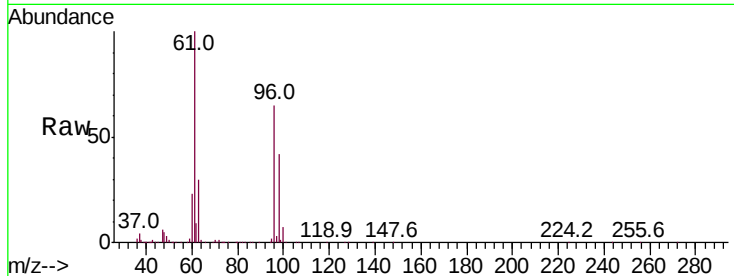


#31

cis-1,2-Dichloroethene
Concen: 8.646 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :

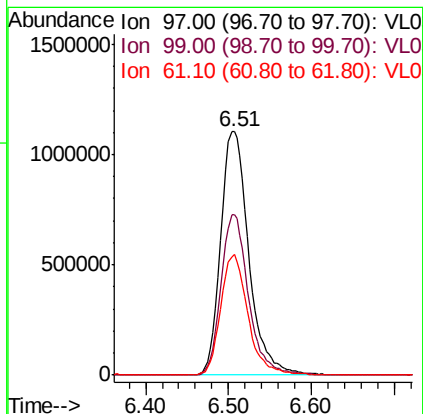
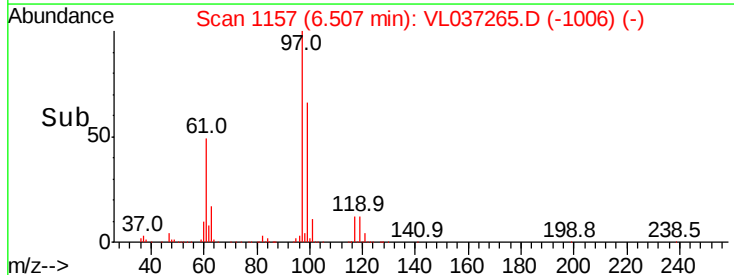
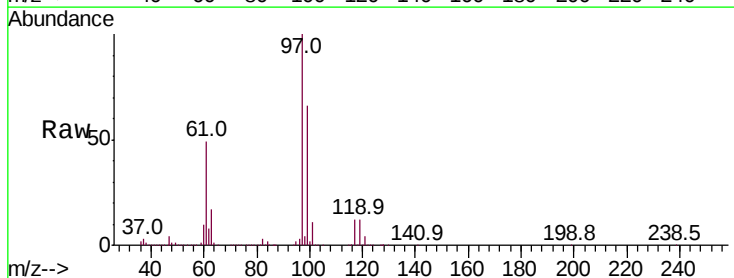
Tot Ion: 61 Resp: 1556283
Ion Ratio Lower Upper
61 100
96 65.2 53.6 80.4
98 42.5 34.7 52.1

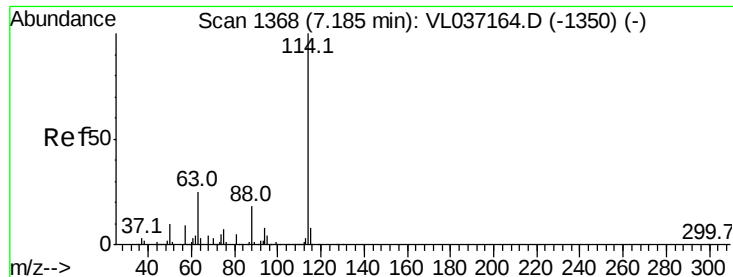


#32

1,1,1-Trichloroethane
Concen: 8.018 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 97 Resp: 2596250
Ion Ratio Lower Upper
97 100
99 64.8 52.2 78.4
61 47.9 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

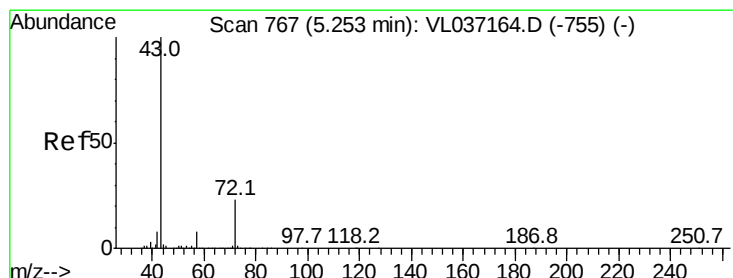
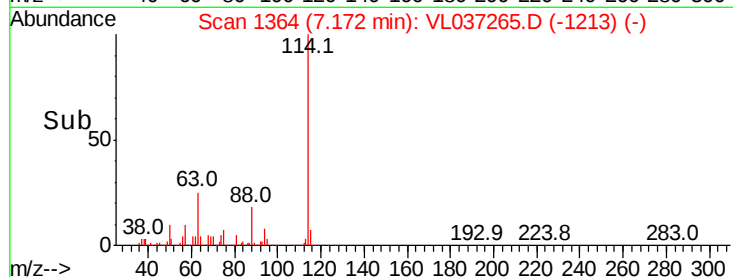
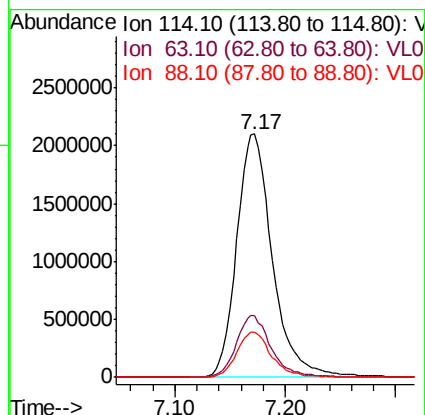
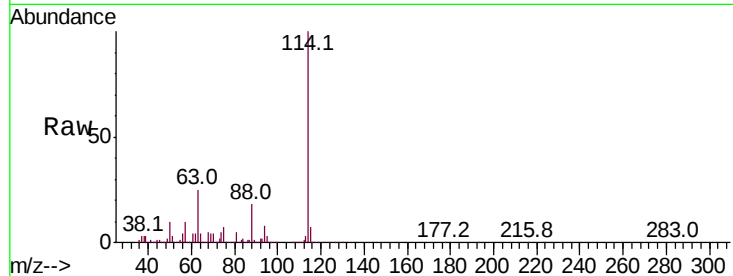
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4692276

Ion	Ratio	Lower	Upper
114	100		
63	25.3	19.6	29.4
88	18.5	14.2	21.2



#34

2-Butanone

Concen: 7.609 ppbv

RT: 5.24 min Scan# 763

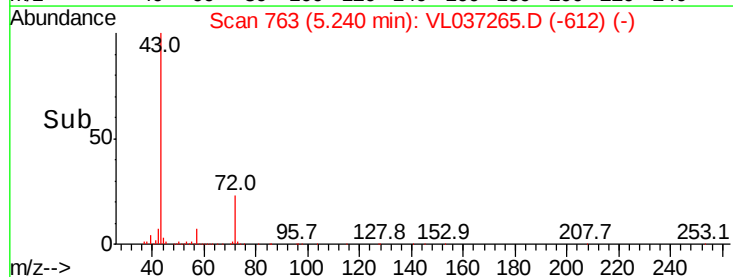
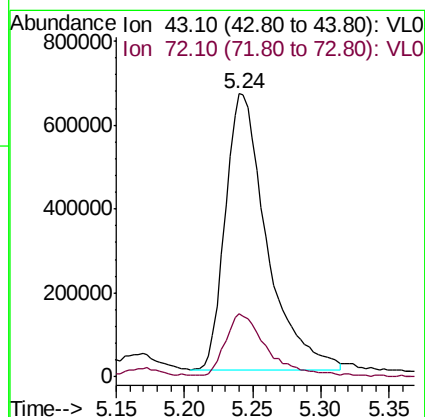
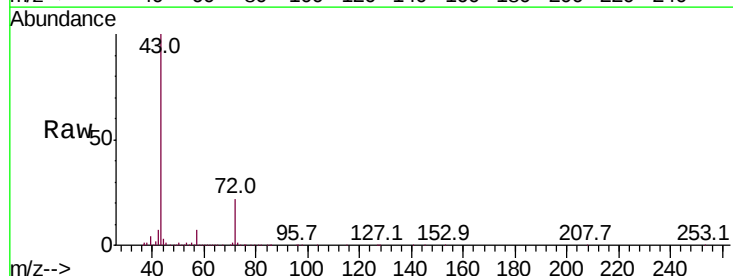
Delta R.T. -0.01 min

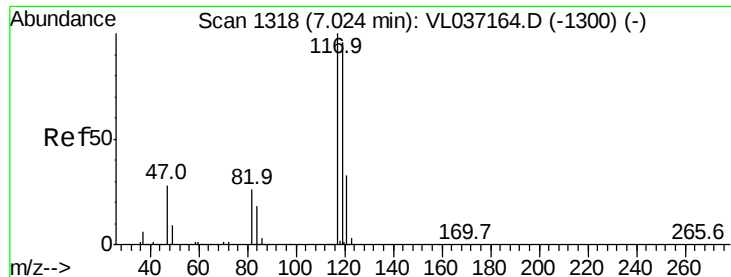
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 43 Resp: 1388463

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.9	28.3





#35

Carbon Tetrachloride

Concen: 8.582 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

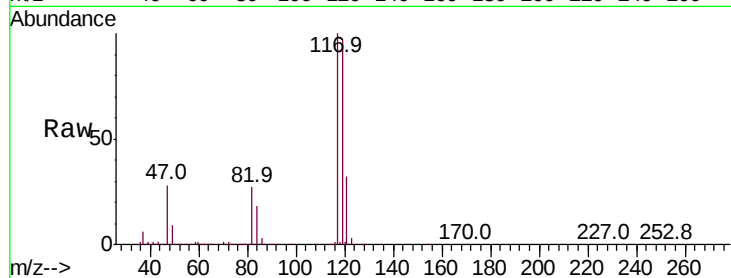
Tot Ion:117 Resp: 2700772

Ion Ratio Lower Upper

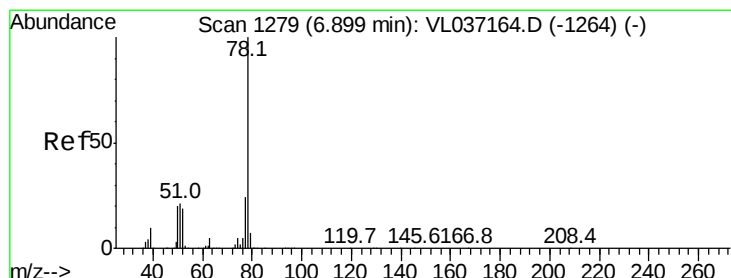
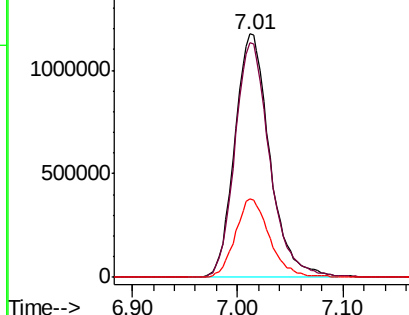
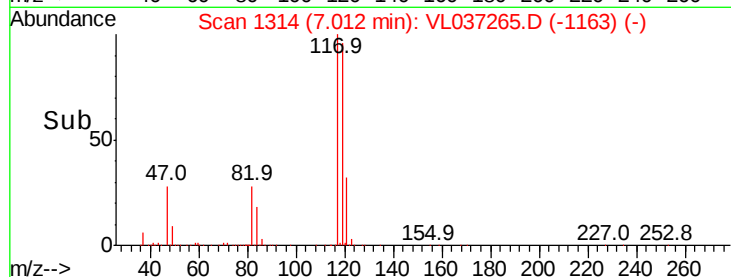
117 100

119 96.6 76.6 114.8

121 32.3 26.4 39.6



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: 8.501 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

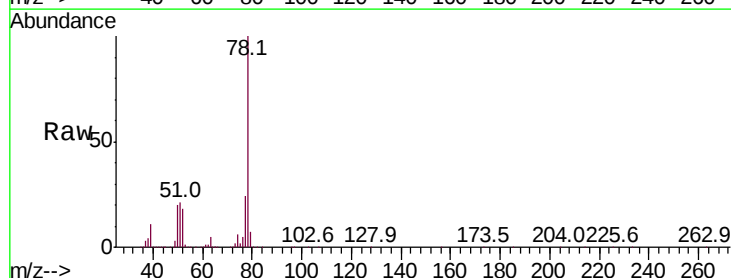
Tgt Ion: 78 Resp: 3225616

Ion Ratio Lower Upper

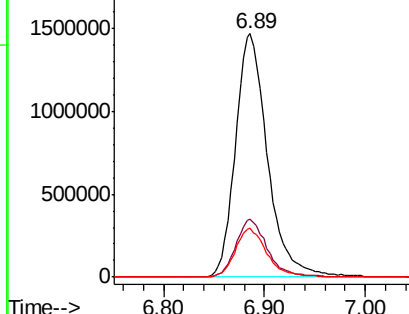
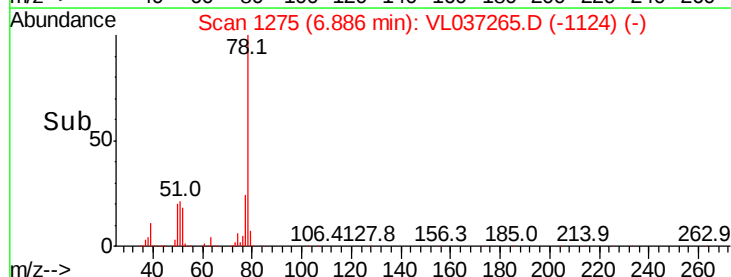
78 100

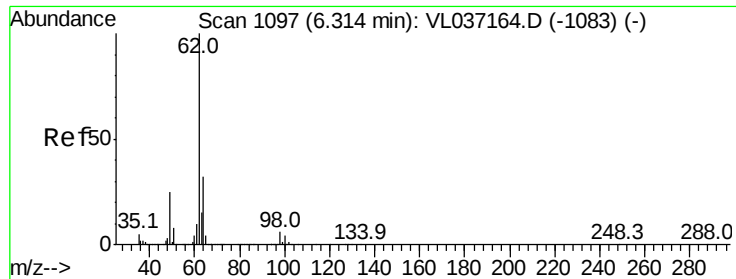
77 23.6 19.0 28.6

50 20.2 15.7 23.5



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: 8.560 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

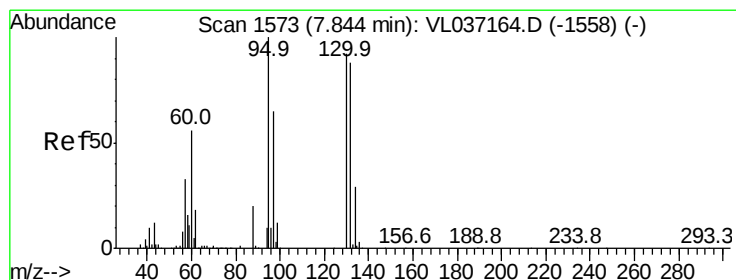
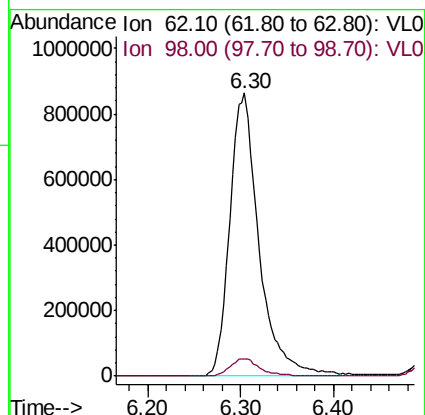
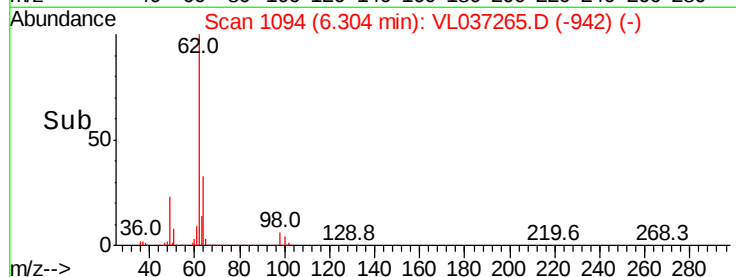
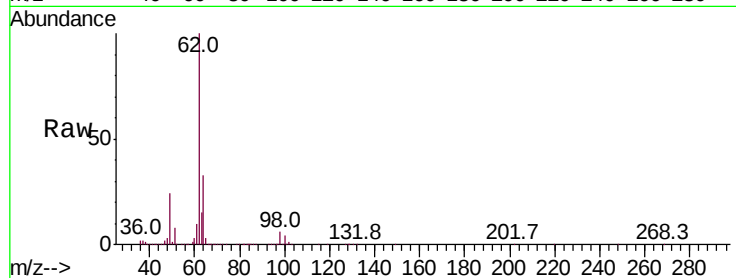
ClientSampleId :

Tot Ion: 62 Resp: 1886761

Ion Ratio Lower Upper

62 100

98 6.6 5.0 7.6



#38

Trichloroethene

Concen: 7.363 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 130 Resp: 1328069

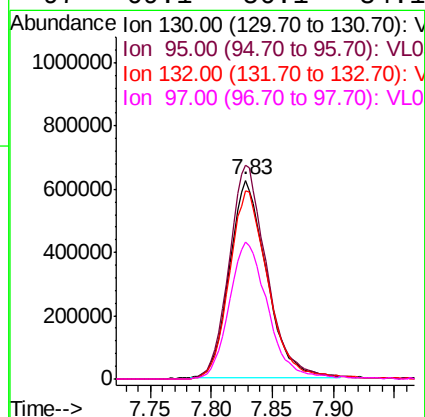
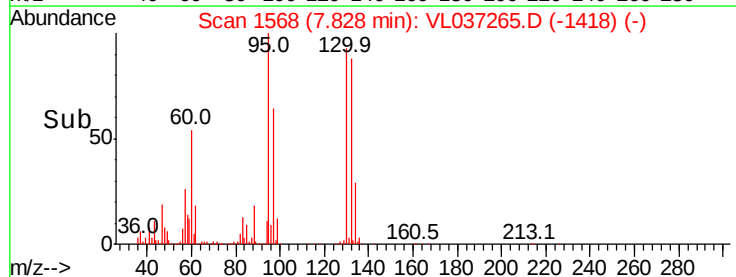
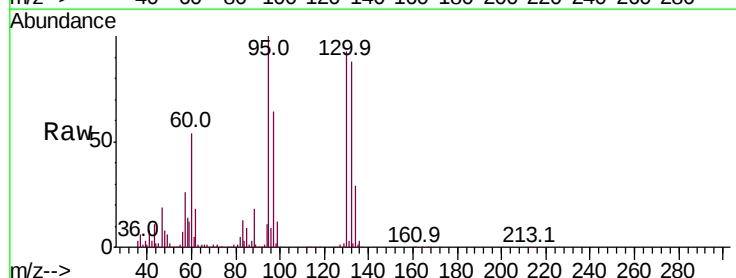
Ion Ratio Lower Upper

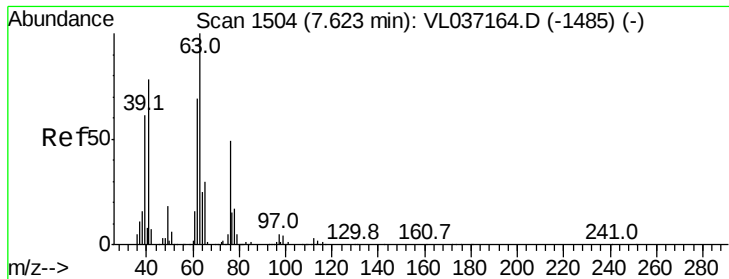
130 100

95 108.1 86.6 129.8

132 95.3 76.6 114.8

97 69.1 56.1 84.1





#39

1,2-Dichloropropane

Concen: 8.777 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

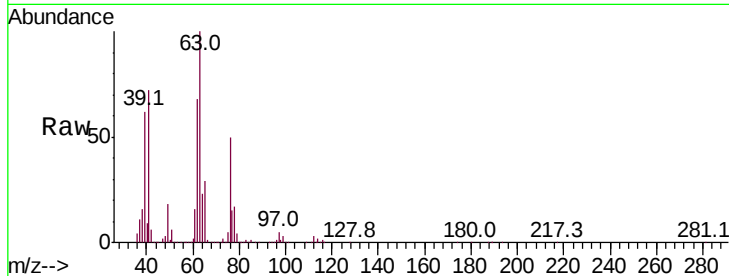
Tot Ion: 63 Resp: 1237542

Ion Ratio Lower Upper

63 100

41 71.9 62.0 93.0

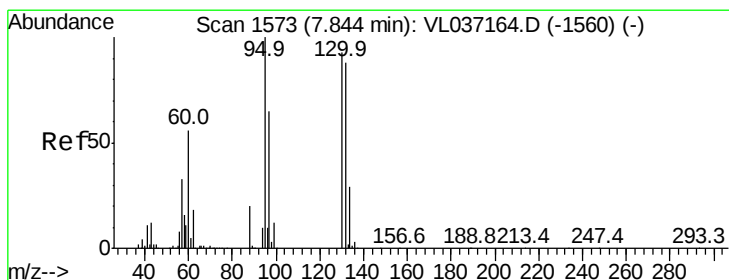
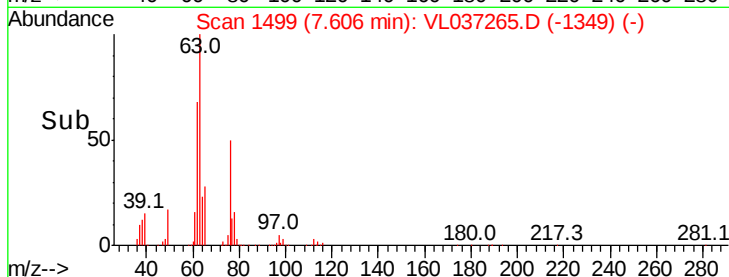
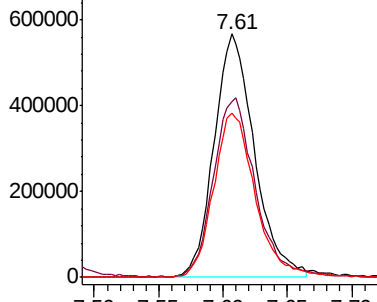
62 67.5 54.9 82.3



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: 8.221 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 88 Resp: 317861

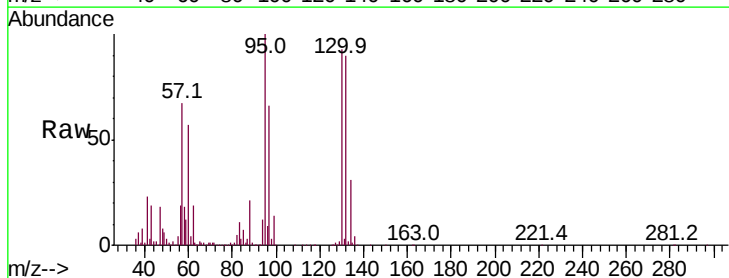
Ion Ratio Lower Upper

88 100

58 148.5 118.4 177.6

43 386.2 284.0 426.0

57 1688.1 1231.8 1847.6

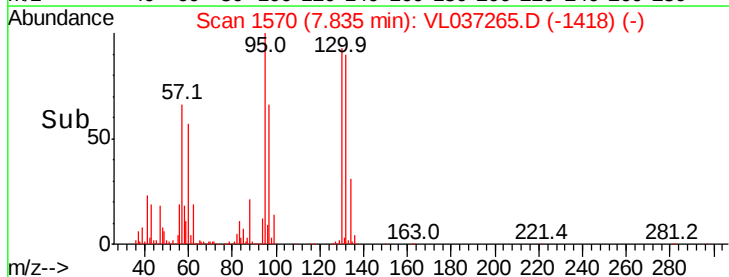
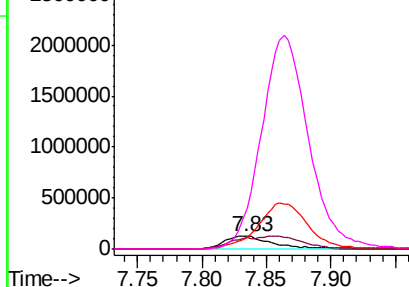


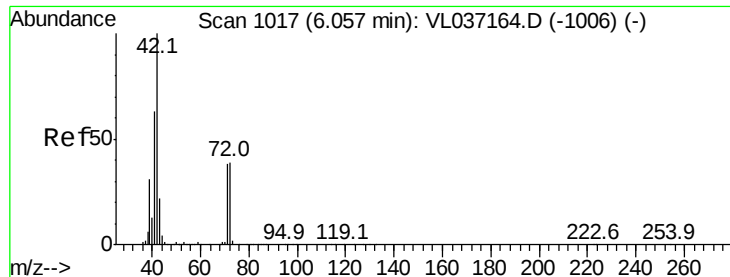
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 8.272 ppbv

RT: 6.05 min Scan# 1014

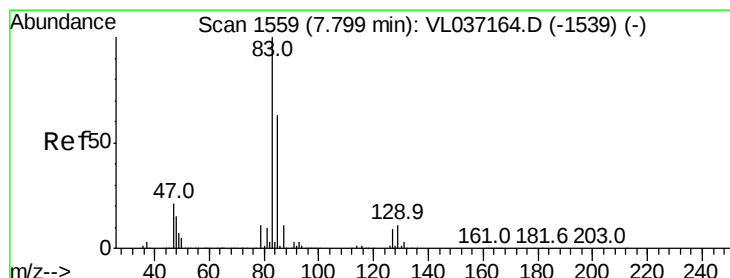
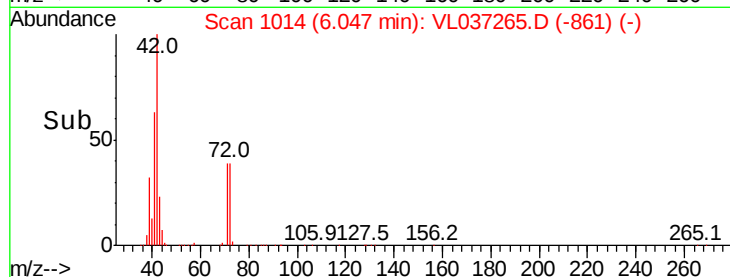
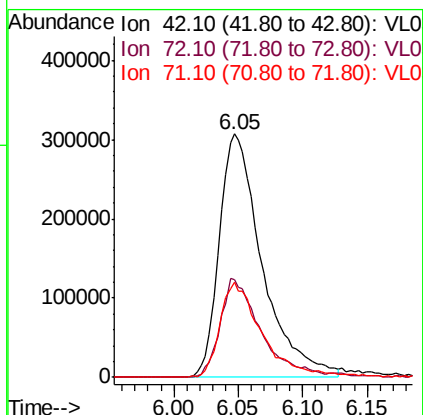
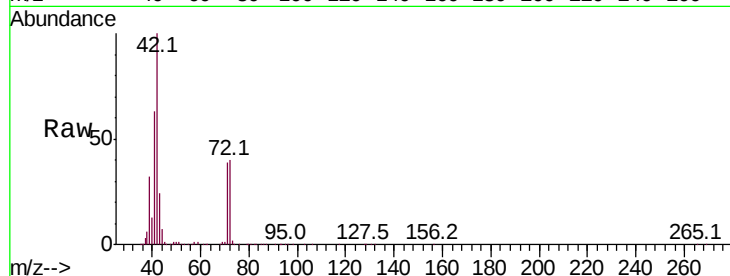
Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	42	Resp:	701152
Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.0	49.4
71	39.6	31.0	46.6



#42

Bromodichloromethane

Concen: 8.749 ppbv

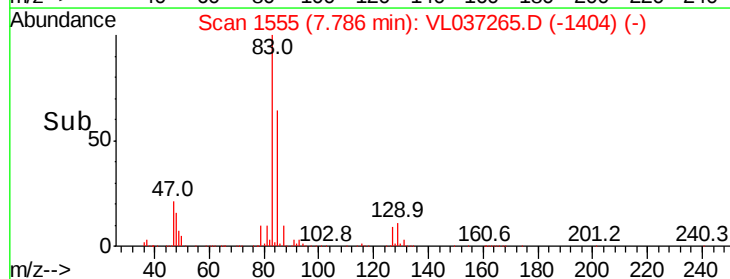
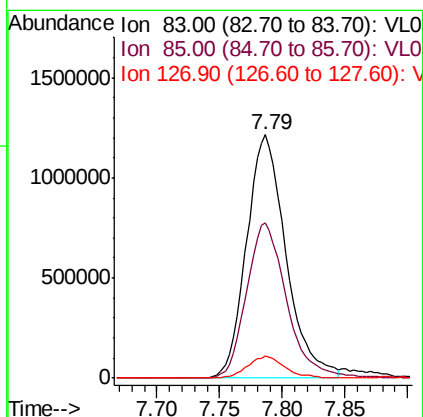
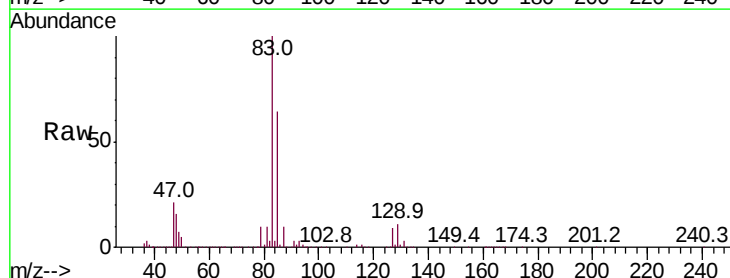
RT: 7.79 min Scan# 1555

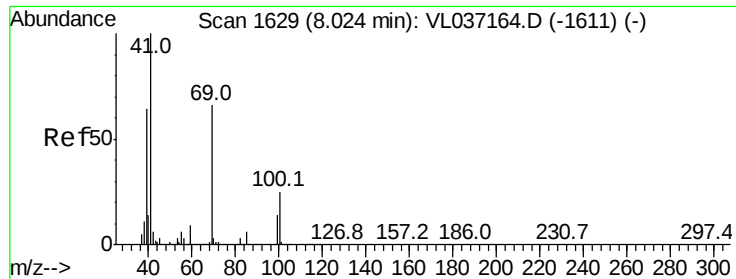
Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion:	83	Resp:	2660414
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	9.2	7.0	10.6

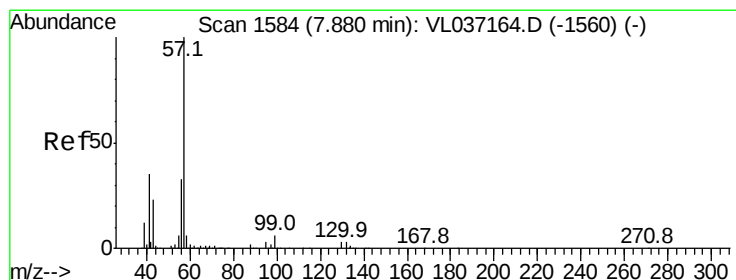
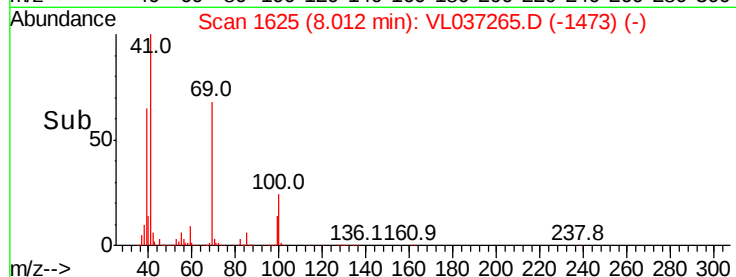
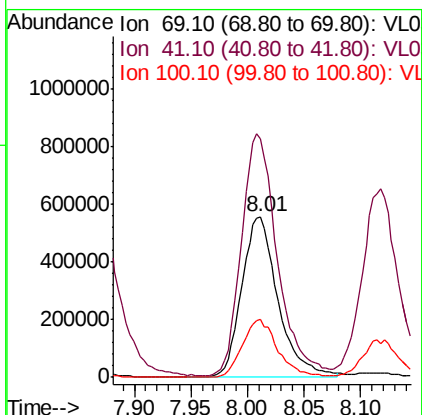
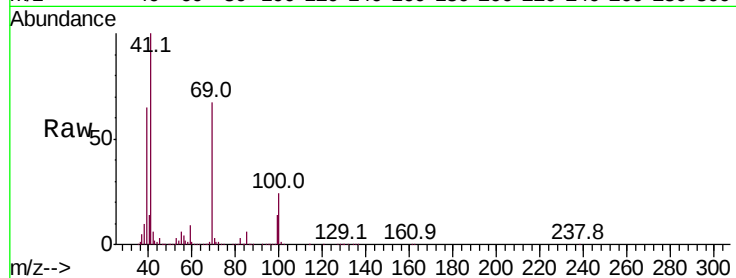




#43
Methvl Methacrylate
Concen: 9.487 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

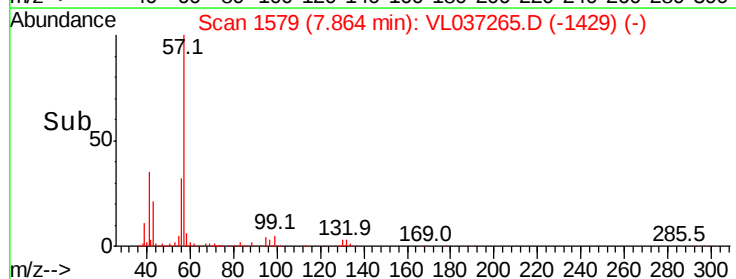
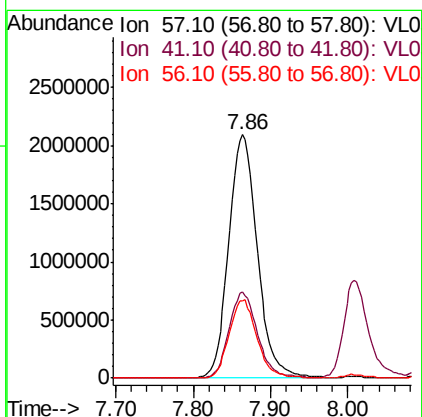
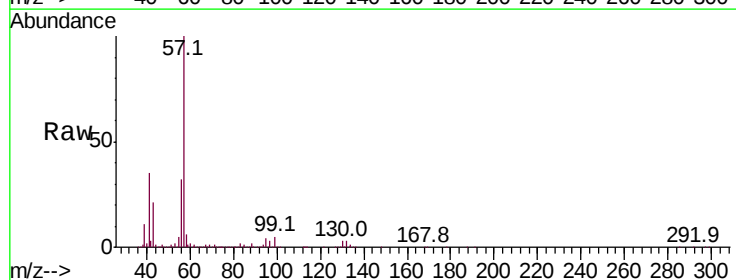
Instrument :
MSVOA_L
ClientSampleId :

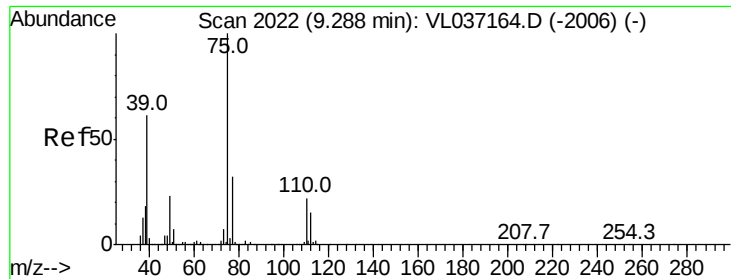
Tot Ion: 69 Resp: 1243174
Ion Ratio Lower Upper
69 100
41 150.6 119.4 179.0
100 35.1 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.402 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 57 Resp: 5368147
Ion Ratio Lower Upper
57 100
41 35.1 27.6 41.4
56 31.2 25.3 37.9

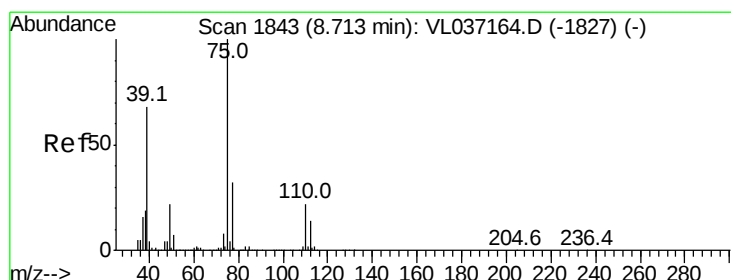
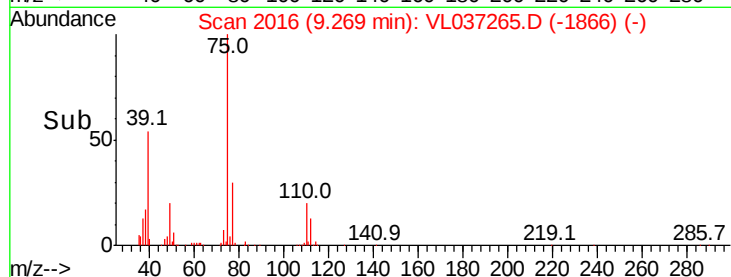
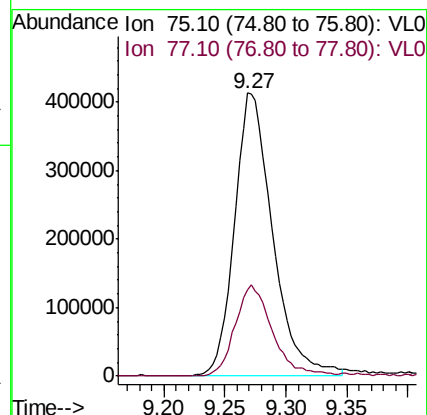
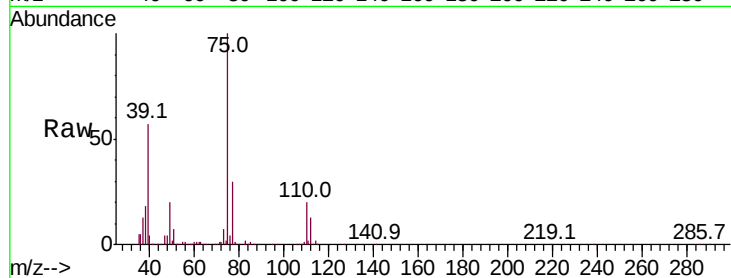




#45
 t-1,3-Dichloropropene
 Concen: 7.745 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

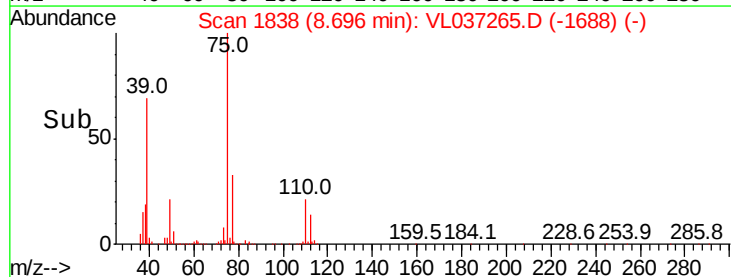
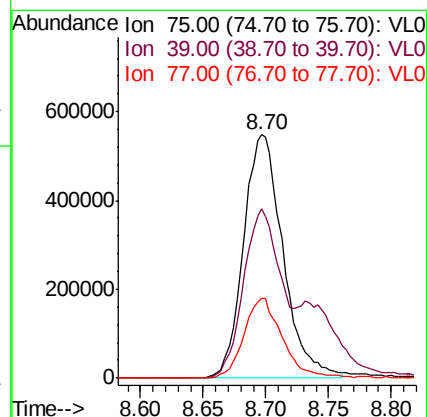
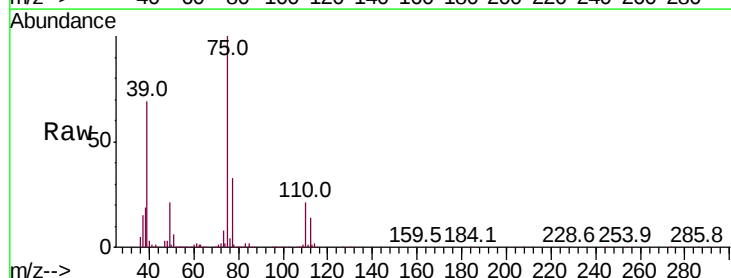
Instrument :
 MSVOA_L
 ClientSampleId :

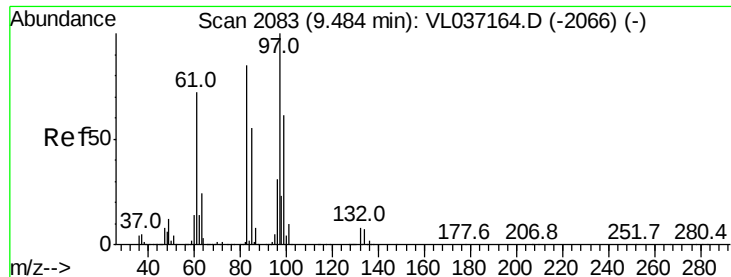
Tot Ion: 75 Resp: 895439
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 7.581 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 75 Resp: 1198913
 Ion Ratio Lower Upper
 75 100
 39 69.2 54.7 82.1
 77 32.8 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 8.630 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1388167

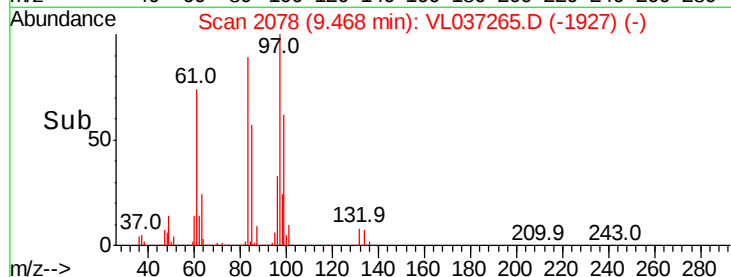
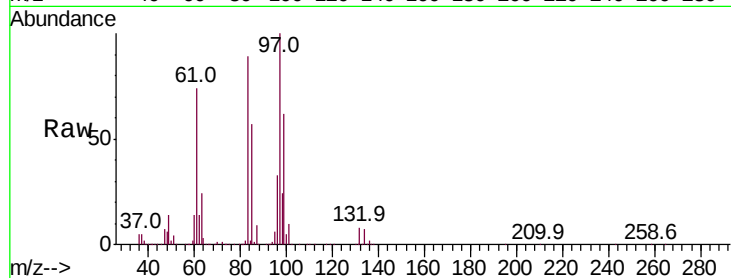
Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.3	102.5
85	56.5	44.1	66.1
99	61.5	48.6	72.8

97 100

83 88.6 68.3 102.5

85 56.5 44.1 66.1

99 61.5 48.6 72.8



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

800000

600000

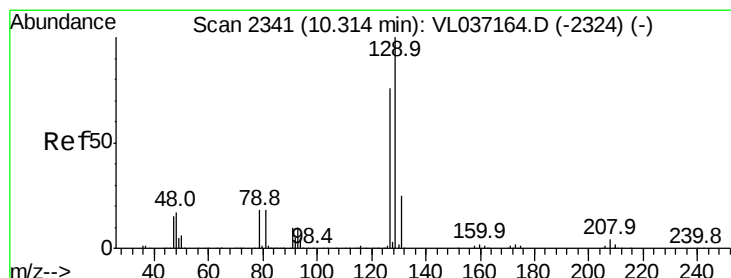
400000

200000

0

9.40 9.50

Time-->



#48

Dibromochloromethane

Concen: 9.685 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.02 min

Lab File: VL037265.D

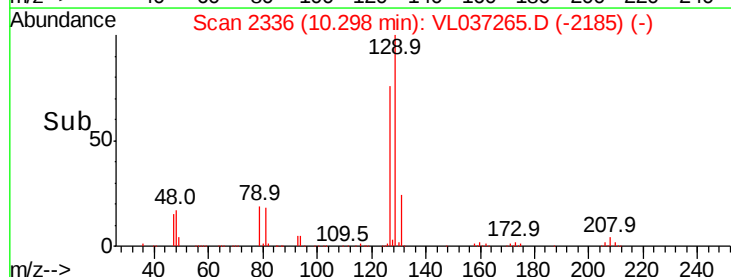
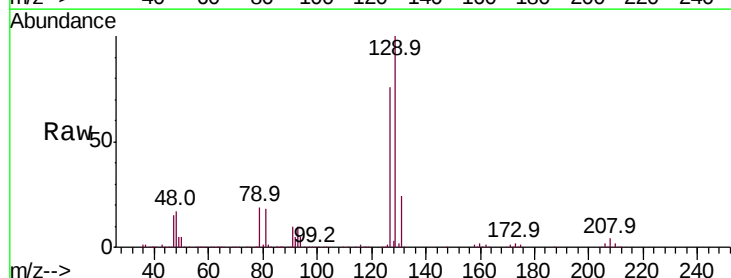
Acq: 30 Jun 2021 1:24

Tgt Ion: 129 Resp: 2459214

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.2

129 100

127 78.2 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

1200000

1000000

800000

600000

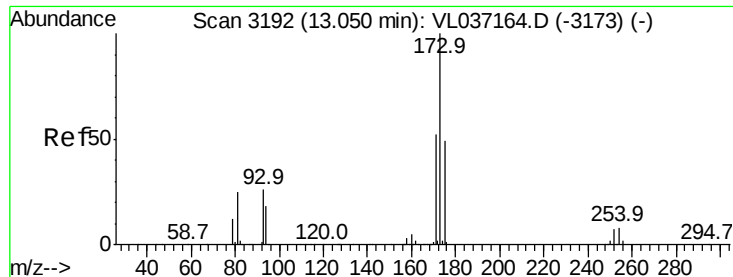
400000

200000

0

10.20 10.30 10.40

Time-->



#49

Bromoform

Concen: 11.021 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

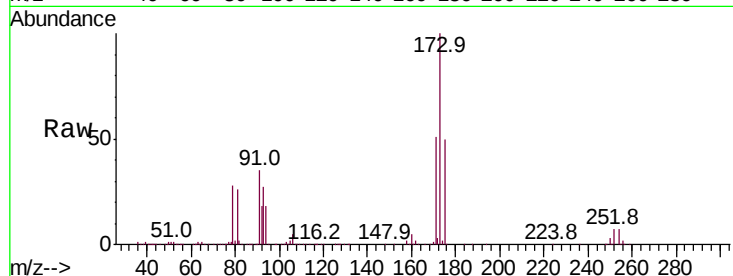
Tot Ion:173 Resp: 2084825

Ion Ratio Lower Upper

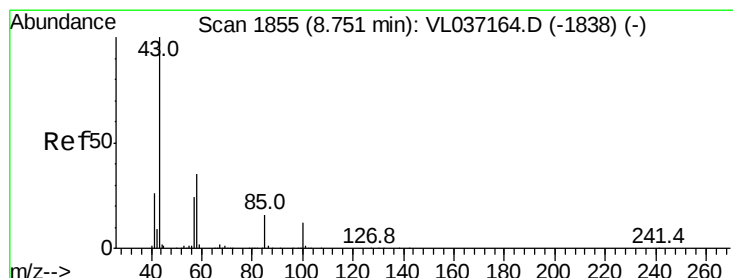
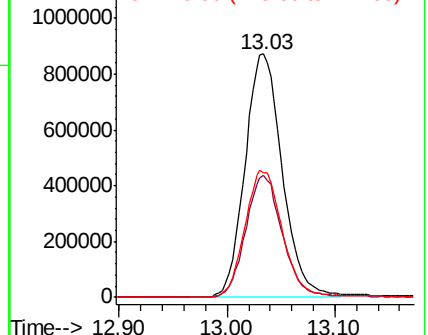
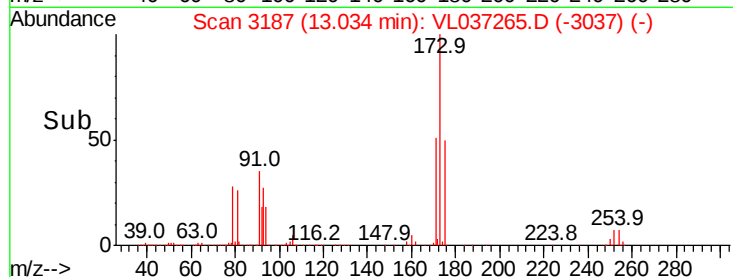
173 100

175 50.1 40.2 60.4

171 53.2 41.8 62.8



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: 8.825 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037265.D

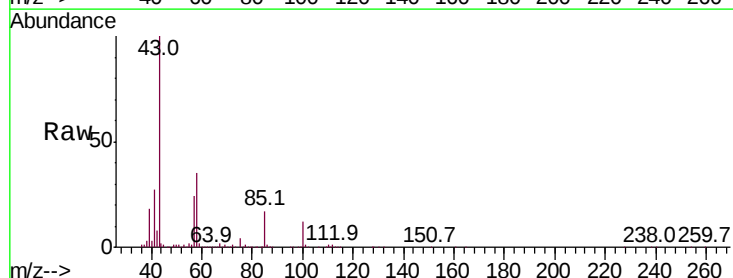
Acq: 30 Jun 2021 1:24

Tgt Ion: 43 Resp: 2212029

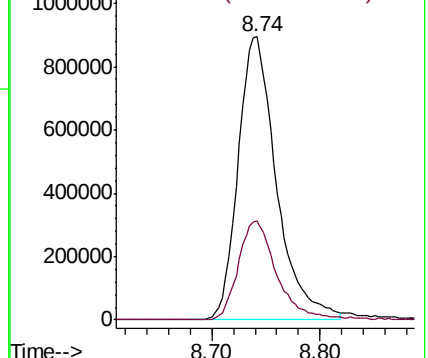
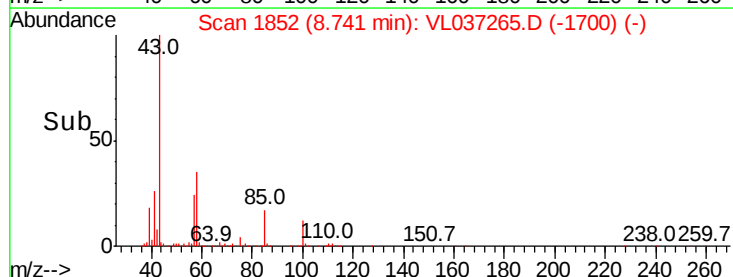
Ion Ratio Lower Upper

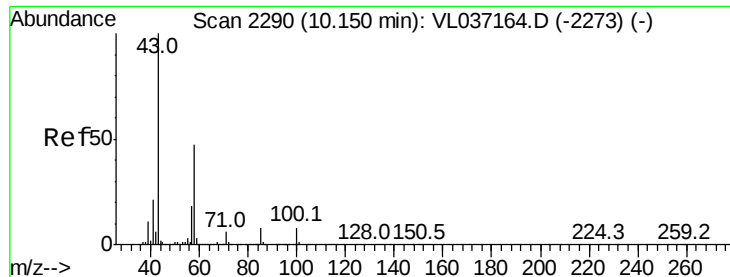
43 100

58 35.7 28.4 42.6



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

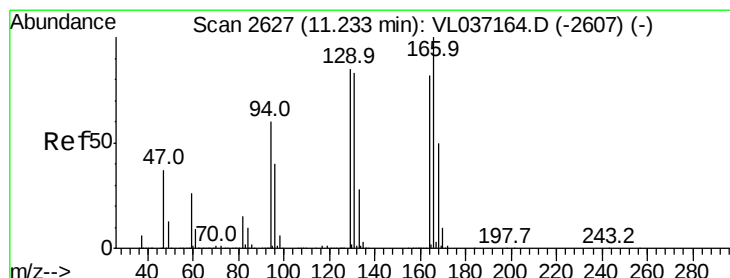
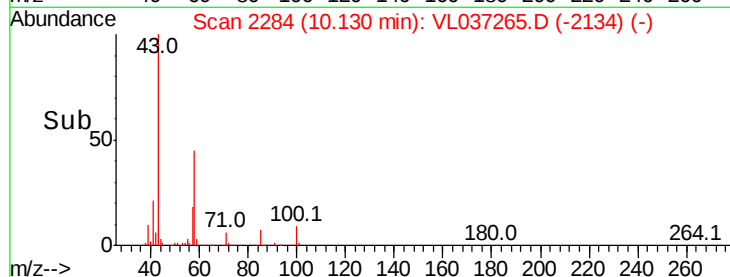
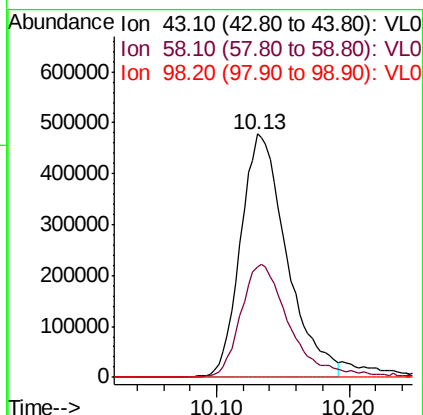
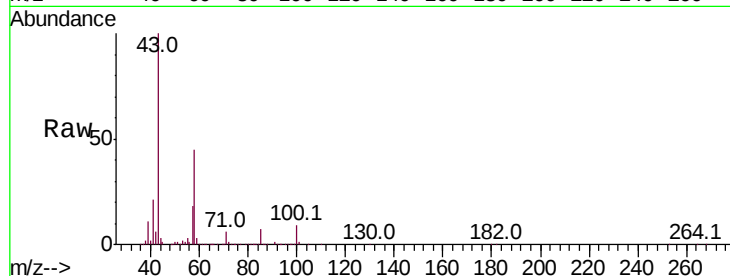




#51
2-Hexanone
Concen: 9.478 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

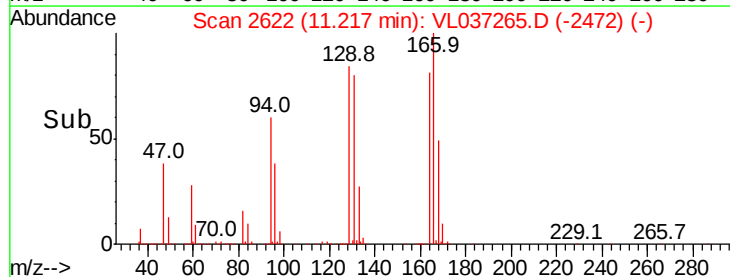
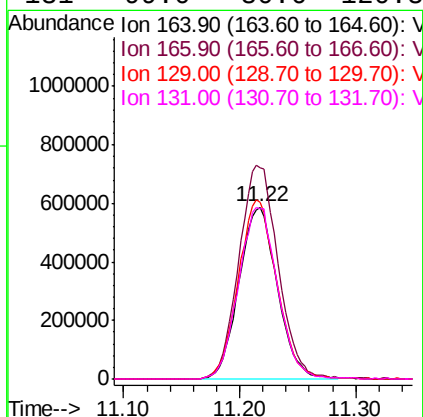
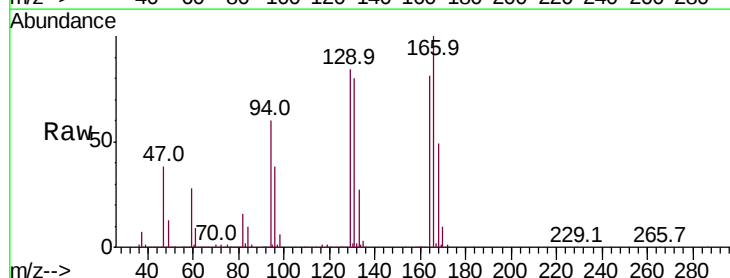
Instrument :
MSVOA_L
ClientSampleId :

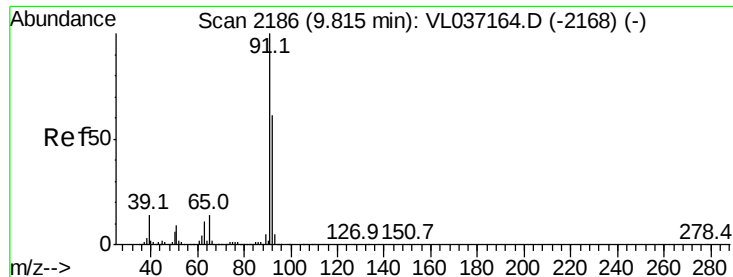
Tot Ion: 43 Resp: 1155840
Ion Ratio Lower Upper
43 100
58 50.1 38.4 57.6
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 7.656 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion:164 Resp: 1349811
Ion Ratio Lower Upper
164 100
166 123.0 97.6 146.4
129 102.8 82.9 124.3
131 99.0 80.6 120.8





#53

Toluene

Concen: 8.639 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

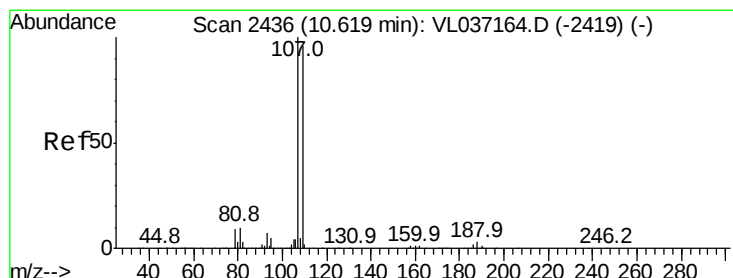
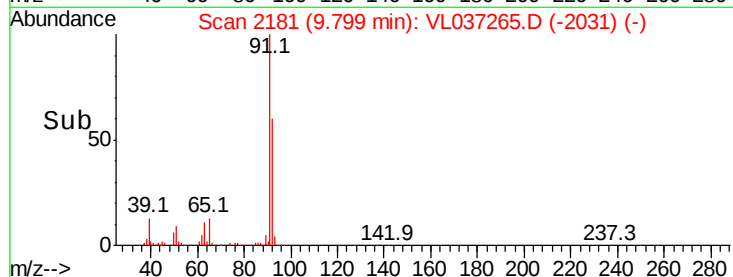
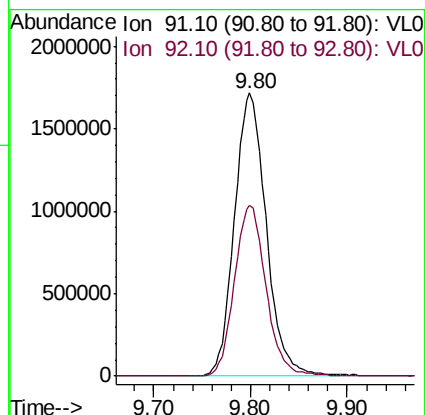
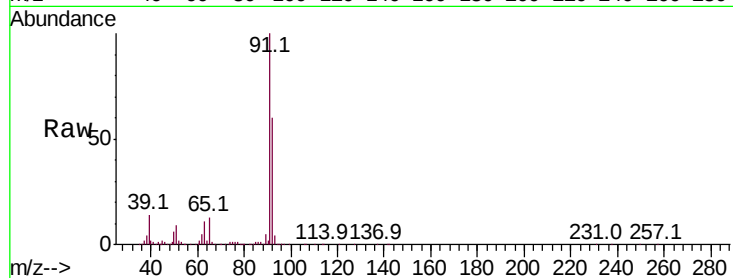
ClientSampled :

Tot Ion: 91 Resp: 3915658

Ion Ratio Lower Upper

91 100

92 60.2 48.3 72.5



#54

1,2-Dibromoethane

Concen: 8.752 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL037265.D

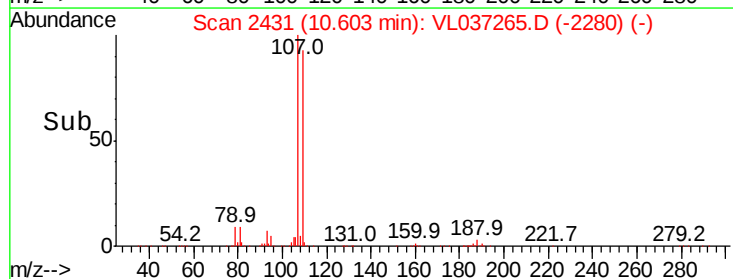
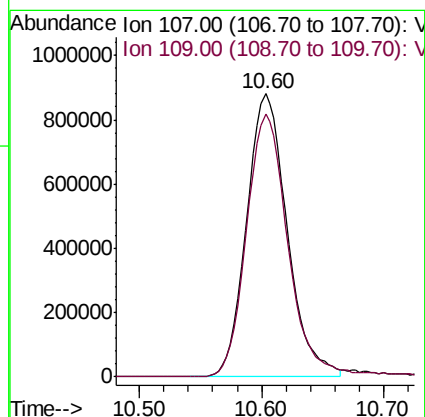
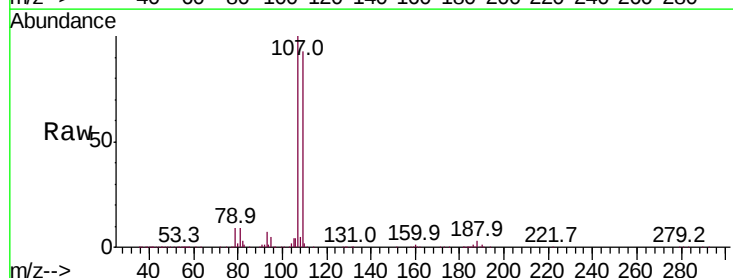
Acq: 30 Jun 2021 1:24

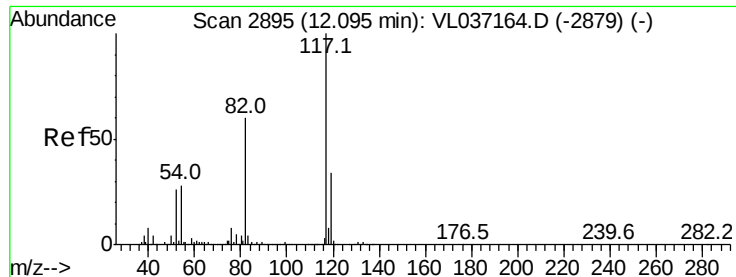
Tgt Ion: 107 Resp: 2023135

Ion Ratio Lower Upper

107 100

109 92.7 77.0 115.6

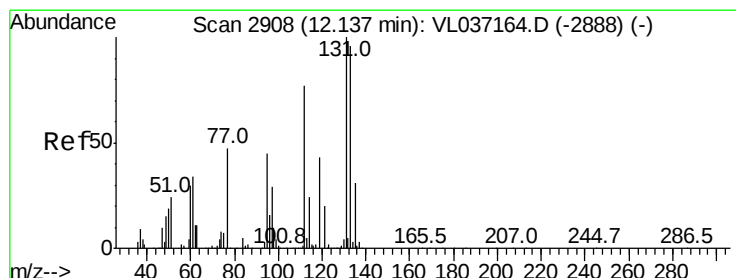
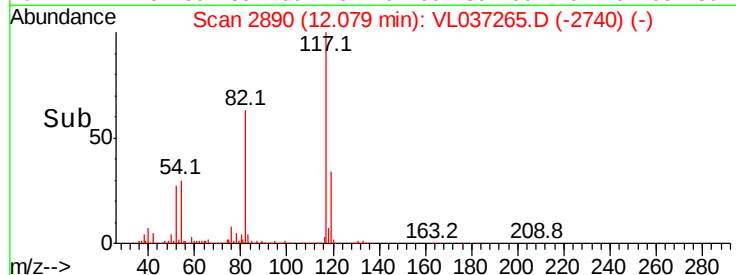
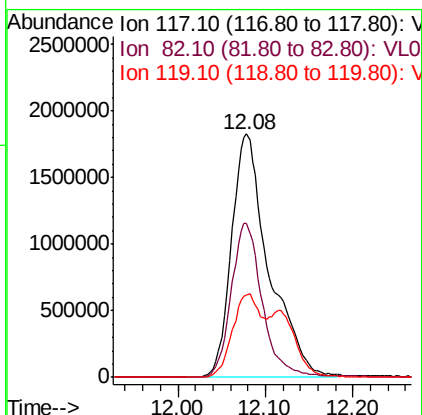
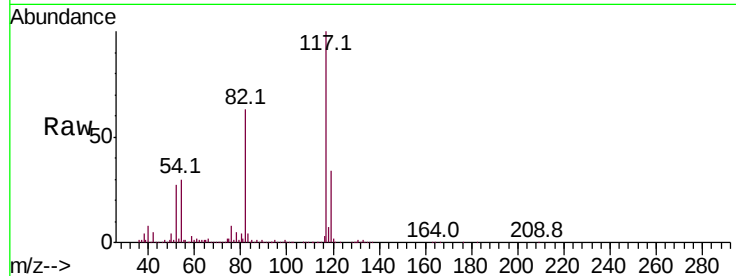




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

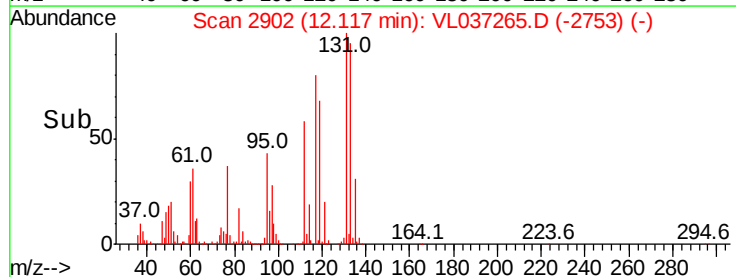
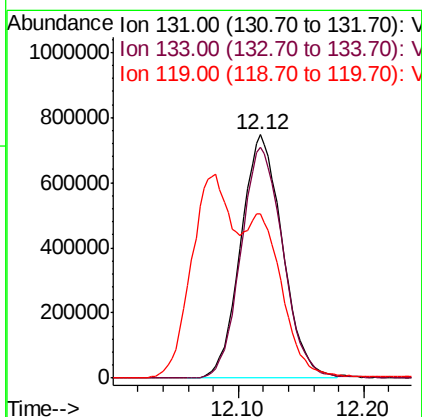
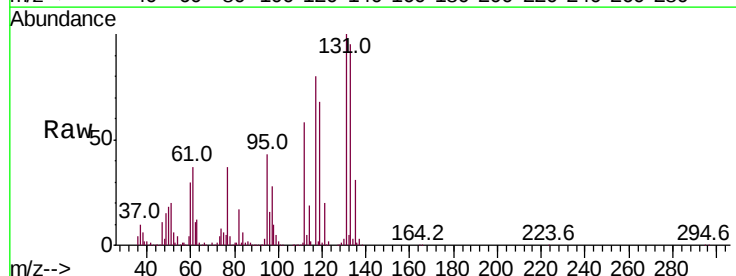
Instrument :
MSVOA_L
ClientSampled :

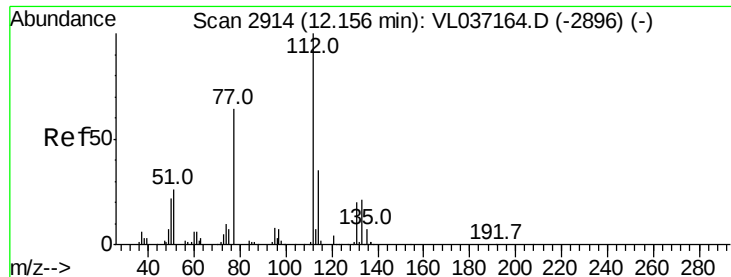
Tot Ion:117 Resp: 5411350
Ion Ratio Lower Upper
117 100
82 53.3 51.7 77.5
119 46.7 47.6 71.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.262 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion:131 Resp: 1718041
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 147.2 48.6 72.8#

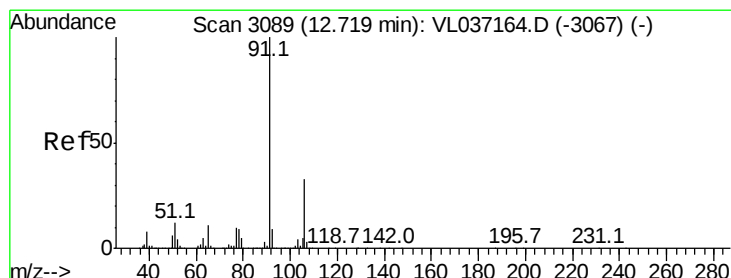
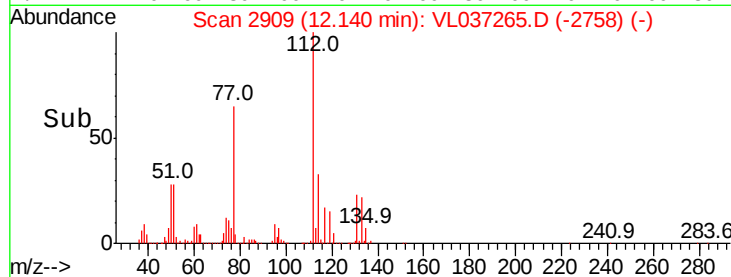
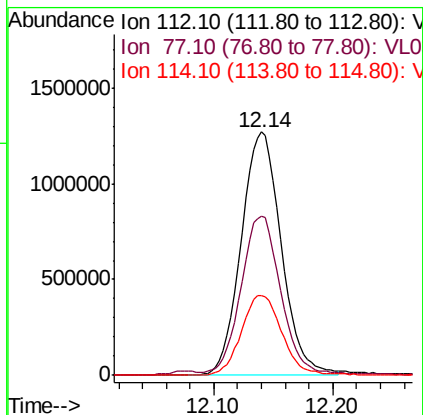
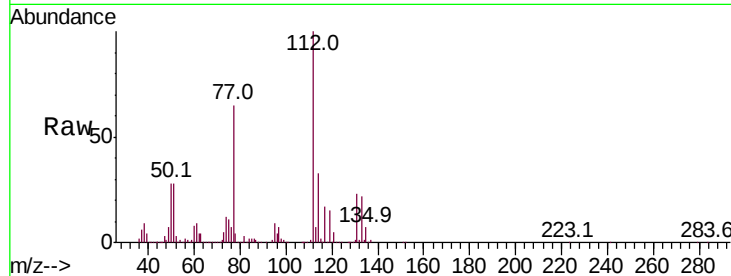




#57
Chlorobenzene
Concen: 6.762 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

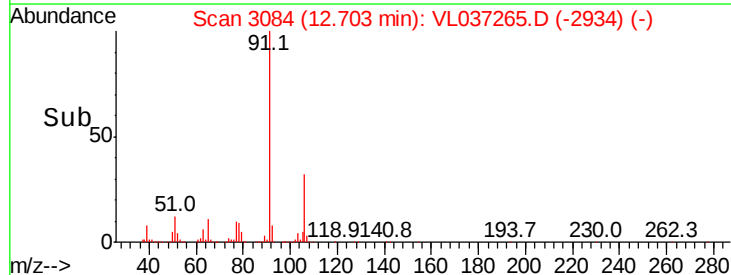
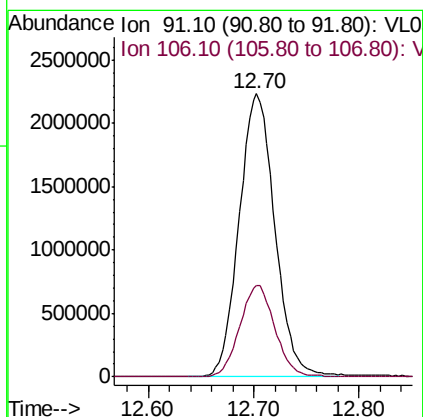
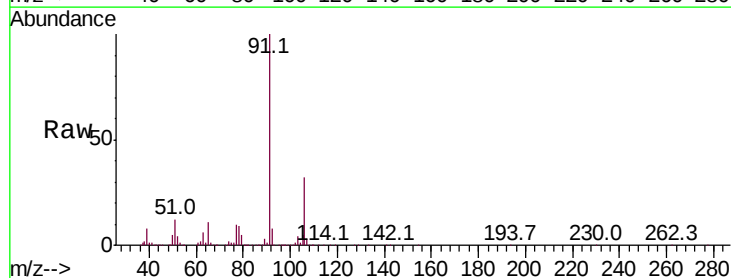
Instrument :
MSVOA_L
ClientSampleId :

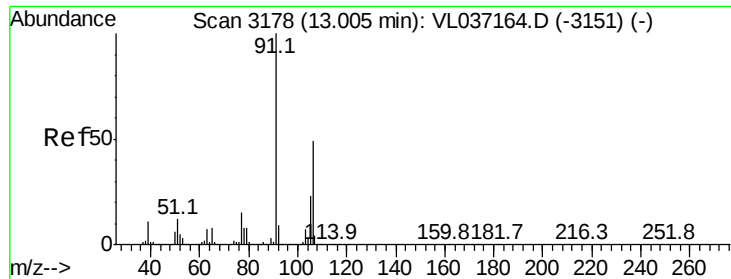
Tot Ion:112 Resp: 2967686
Ion Ratio Lower Upper
112 100
77 64.1 52.2 78.4
114 33.0 31.1 38.1



#58
Ethyl Benzene
Concen: 7.057 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 91 Resp: 5257442
Ion Ratio Lower Upper
91 100
106 32.1 26.3 39.5

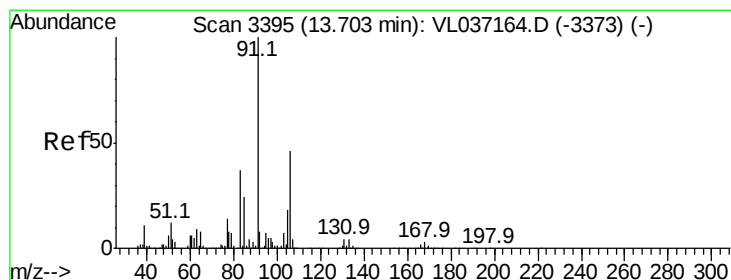
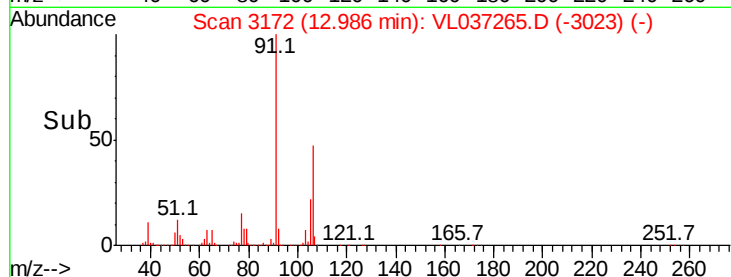
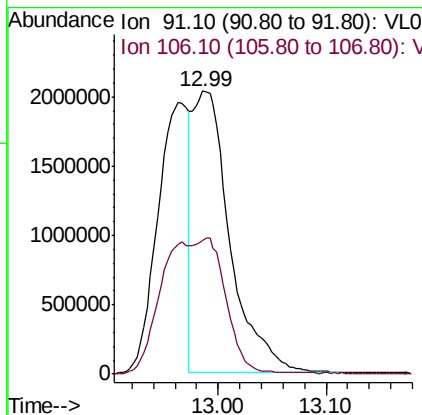
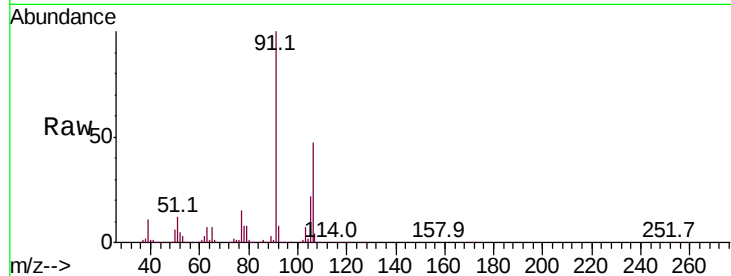




#59
m/p-Xylene
Concen: 7.741 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

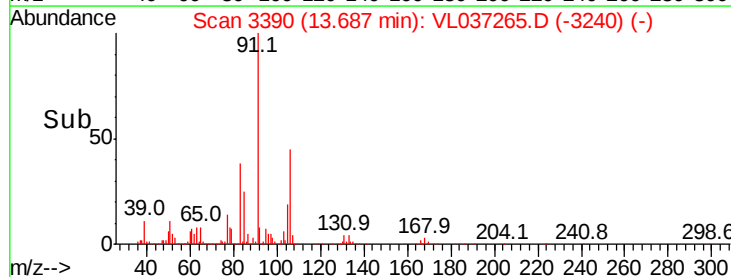
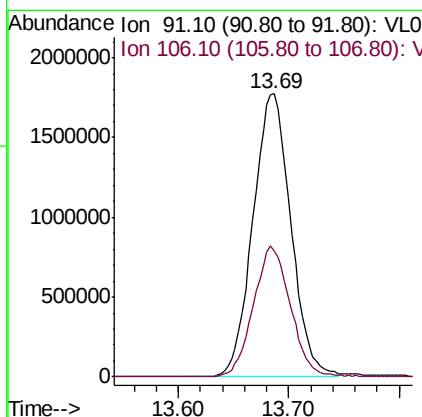
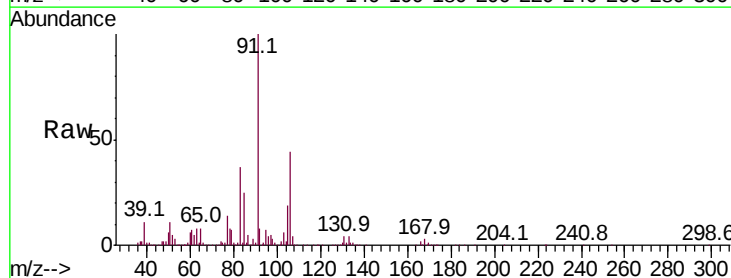
Instrument :
MSVOA_L
ClientSampleId :

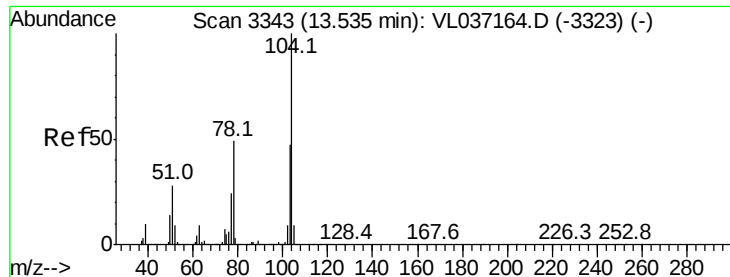
Tot Ion: 91 Resp: 4886942
Ion Ratio Lower Upper
91 100
106 81.6 37.0 55.4#



#60
o-Xylene
Concen: 7.000 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 91 Resp: 4208097
Ion Ratio Lower Upper
91 100
106 45.4 23.0 69.0





#61

Stvrene

Concen: 7.457 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

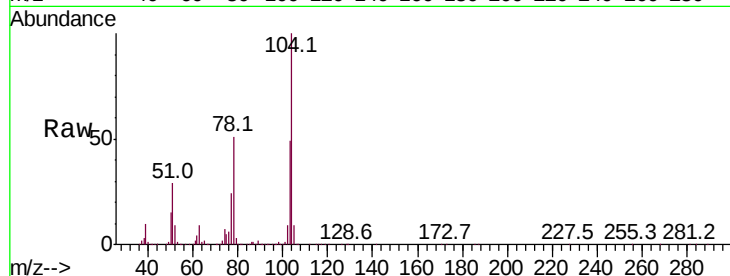
Tot Ion:104 Resp: 2313385

Ion Ratio Lower Upper

104 100

78 51.0 39.7 59.5

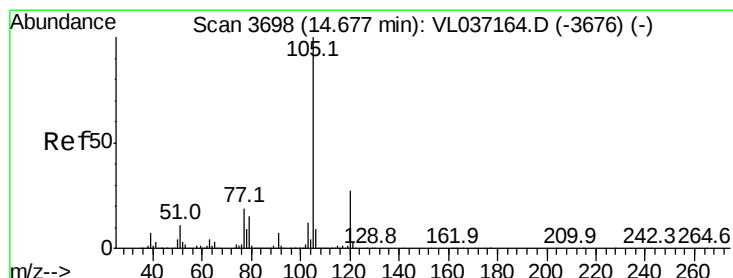
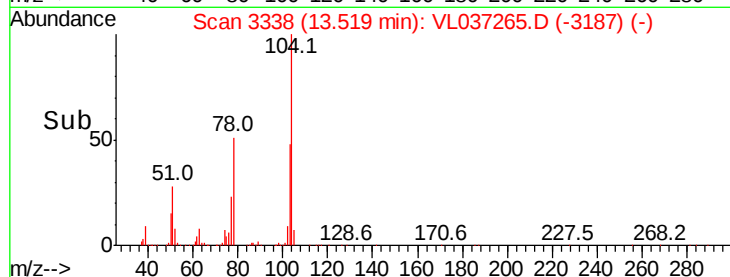
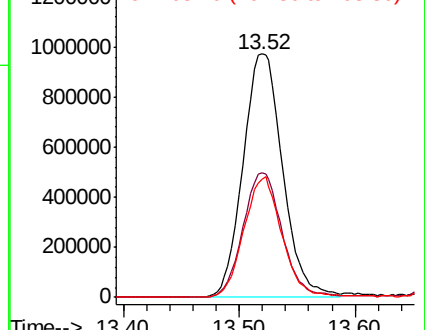
103 48.2 37.6 56.4



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: 7.083 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.02 min

Lab File: VL037265.D

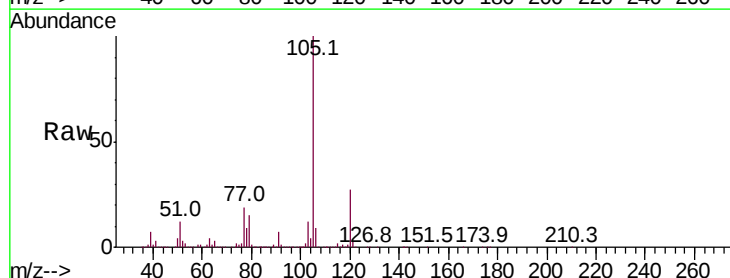
Acq: 30 Jun 2021 1:24

Tgt Ion:105 Resp: 6053998

Ion Ratio Lower Upper

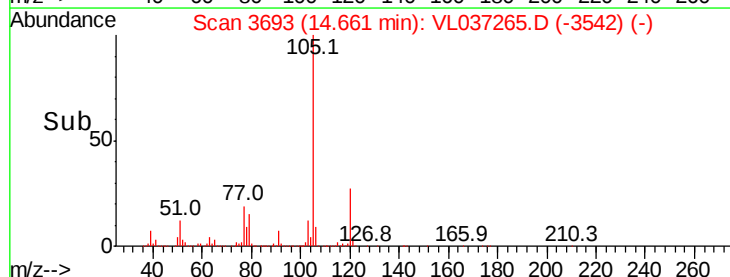
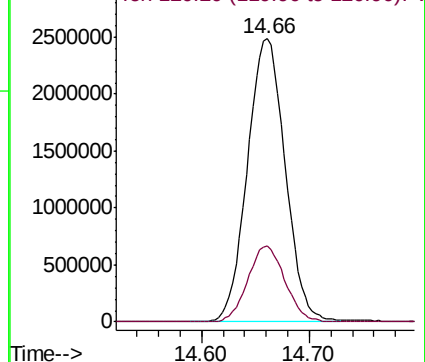
105 100

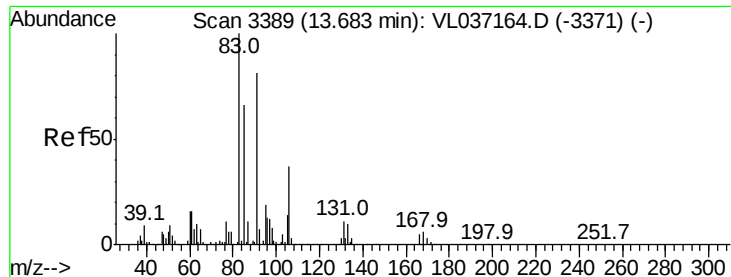
120 26.6 21.6 32.4



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: 7.304 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

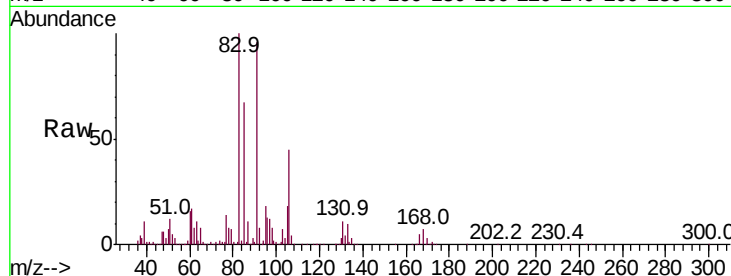
Tot Ion: 83 Resp: 2923504

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

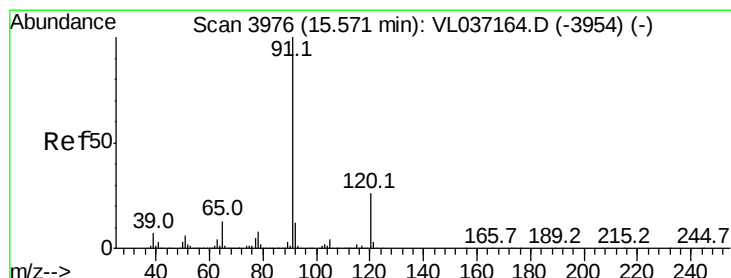
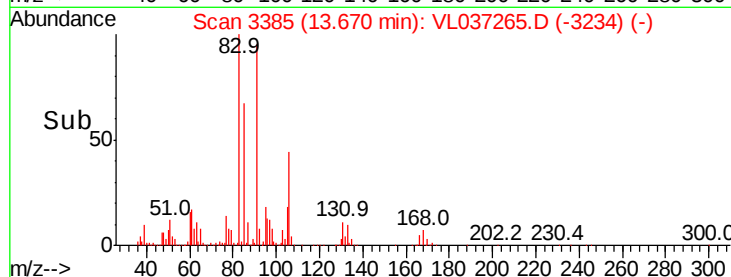
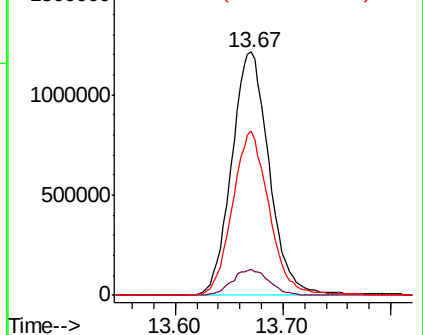
85 66.7 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.520 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.02 min

Lab File: VL037265.D

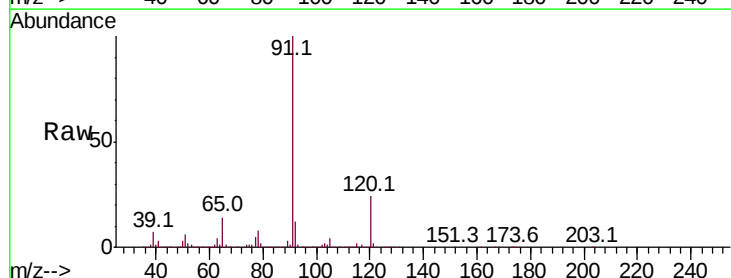
Acq: 30 Jun 2021 1:24

Tgt Ion:120 Resp: 1609766

Ion Ratio Lower Upper

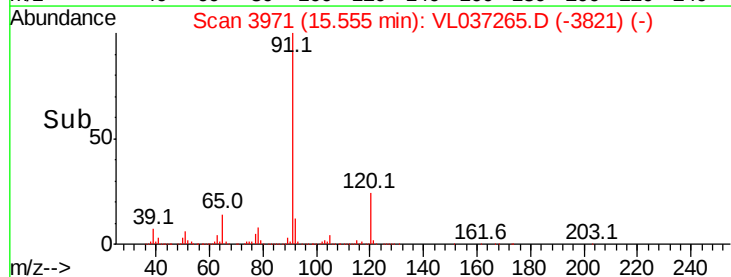
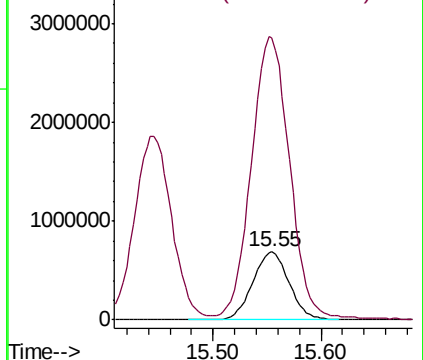
120 100

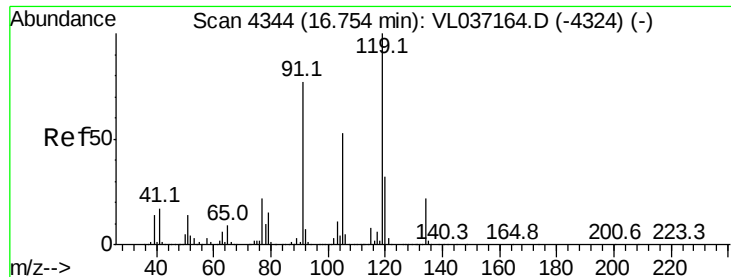
91 440.0 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.204 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampled :

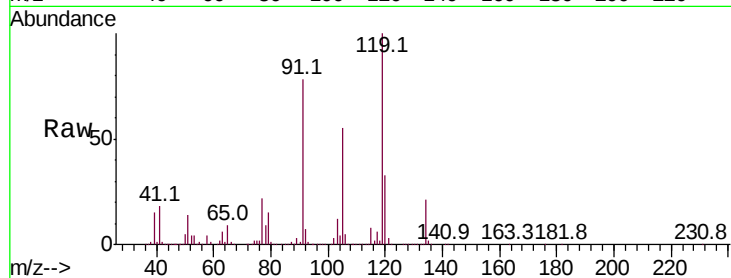
Tot Ion:119 Resp: 5461740

Ion Ratio Lower Upper

119 100

91 79.4 62.6 93.8

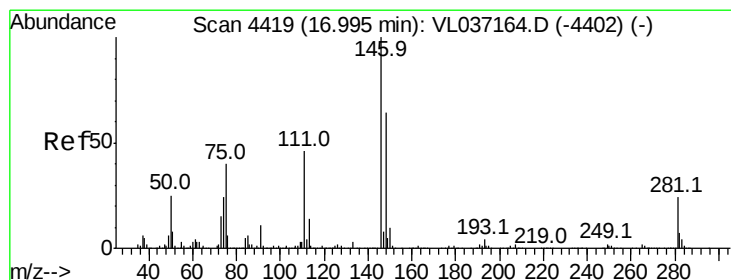
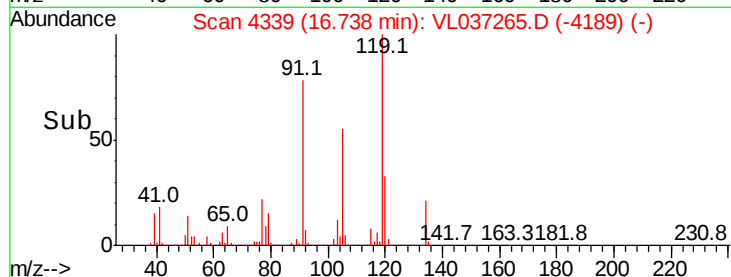
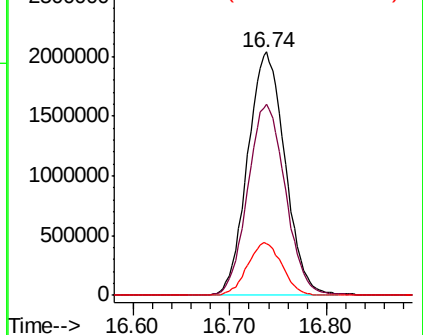
134 20.3 16.2 24.4



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: 1.830 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

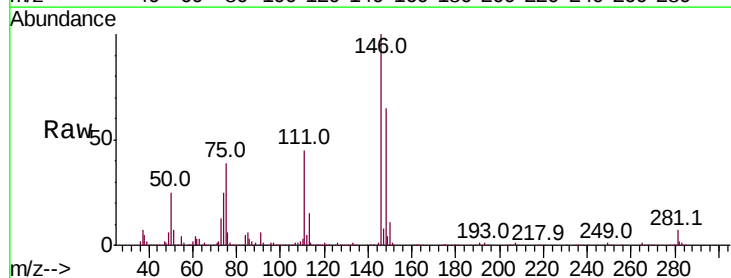
Tgt Ion: 91 Resp: 58783

Ion Ratio Lower Upper

91 100

126 48.6 15.5 23.3#

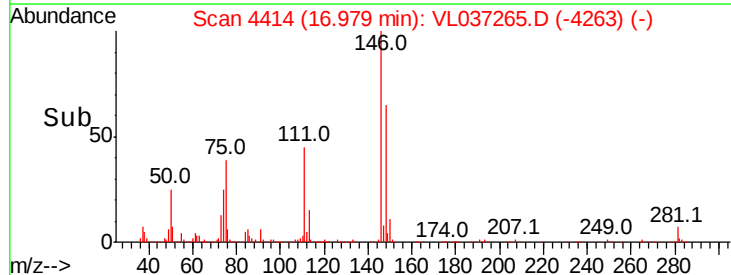
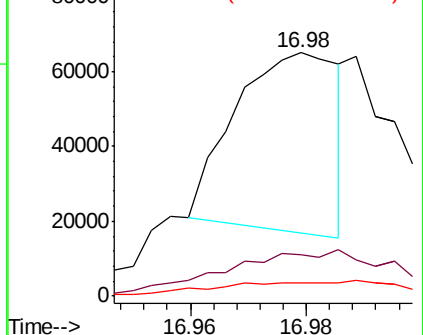
128 18.1 5.7 8.5#

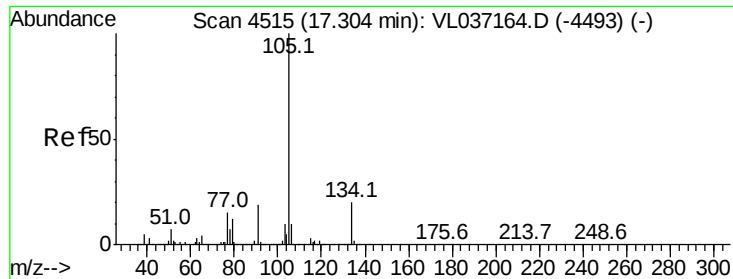


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.241 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

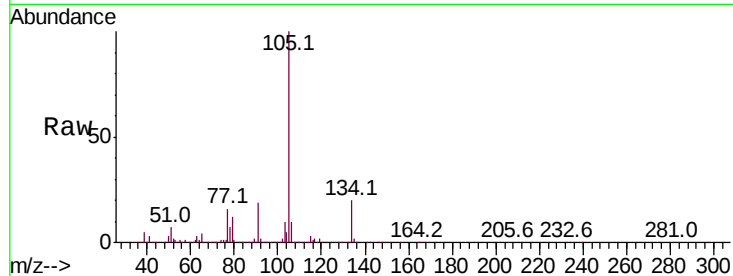
ClientSampleId :

Tot Ion:105 Resp: 7320564

Ion Ratio Lower Upper

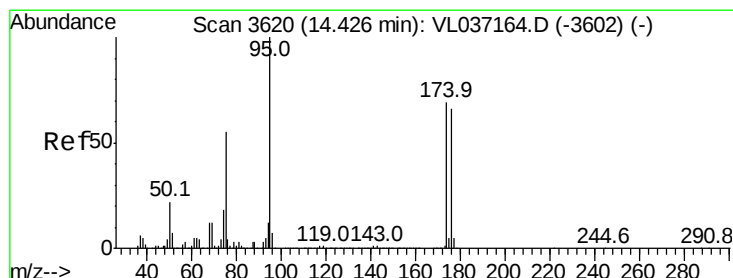
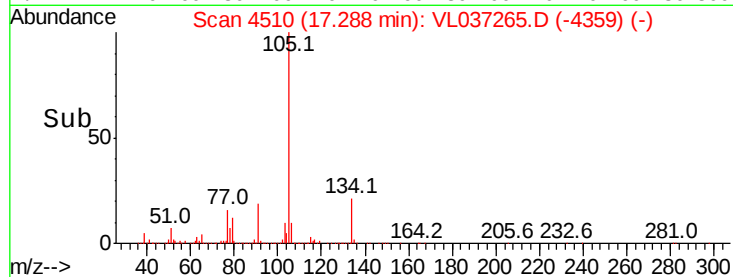
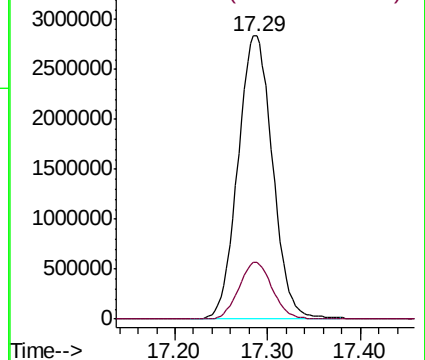
105 100

134 19.4 15.8 23.6



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: 8.428 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

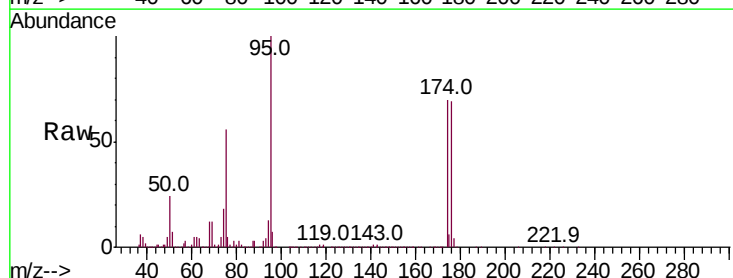
Tgt Ion: 95 Resp: 3455979

Ion Ratio Lower Upper

95 100

174 72.1 57.0 85.4

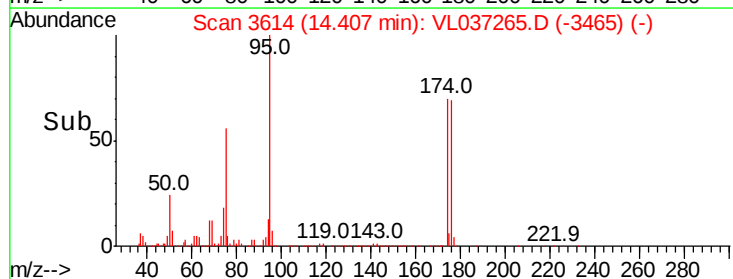
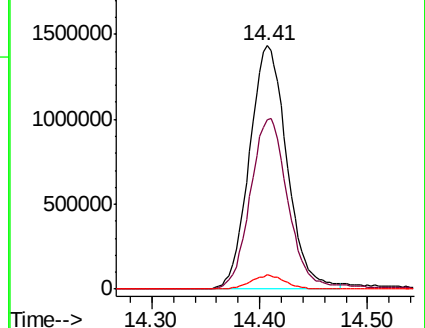
175 5.6 4.4 6.6

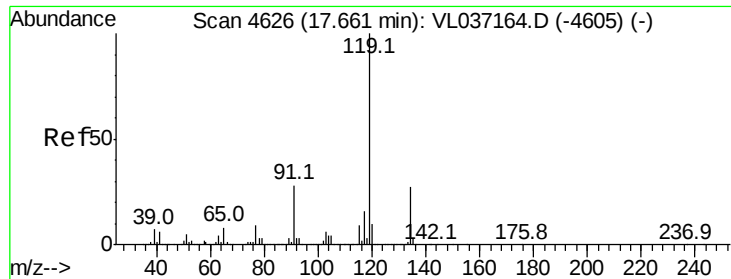


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



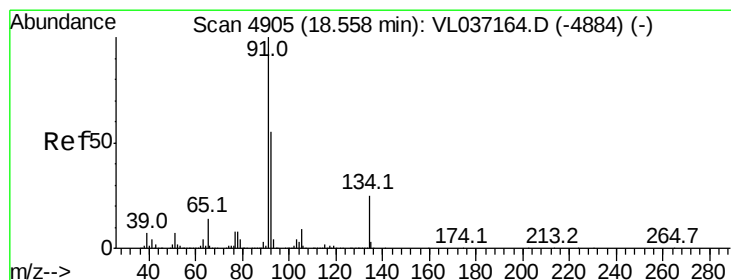
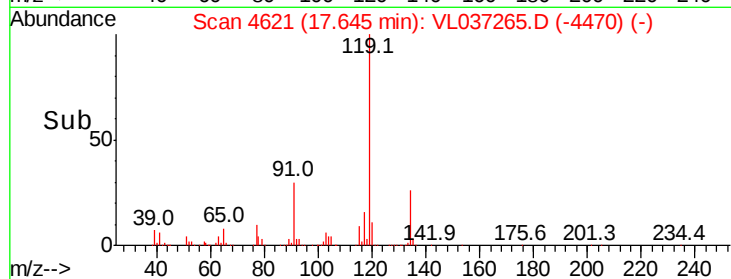
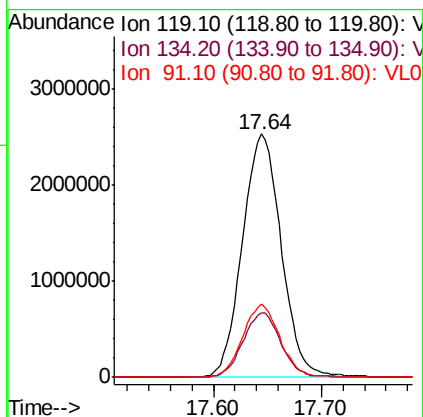
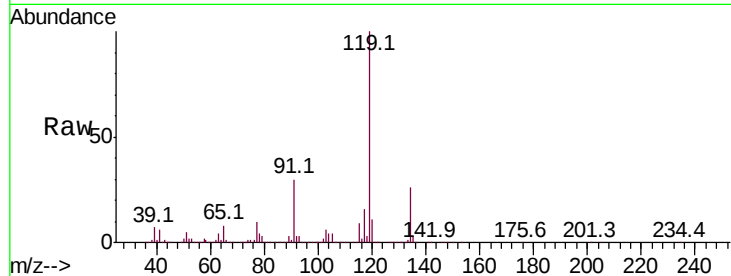


#69
 p-Isopropyltoluene
 Concen: 7.404 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6322504

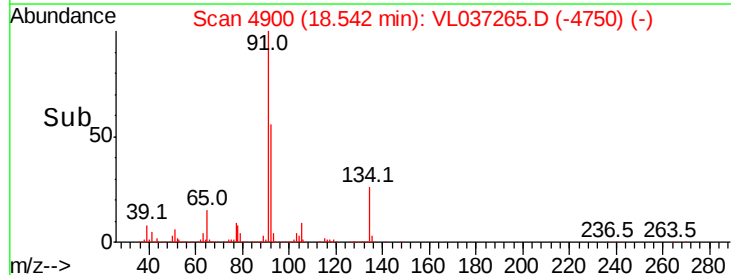
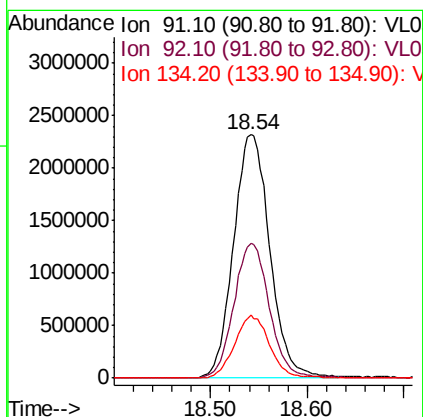
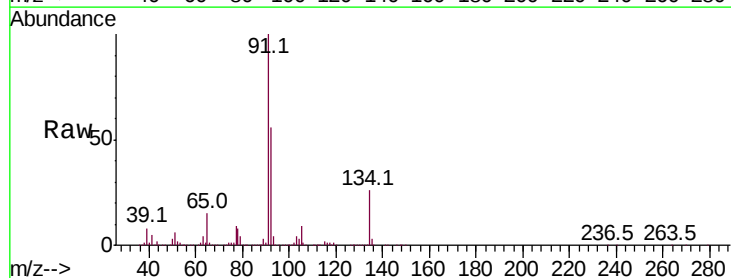
Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.8	22.6	34.0

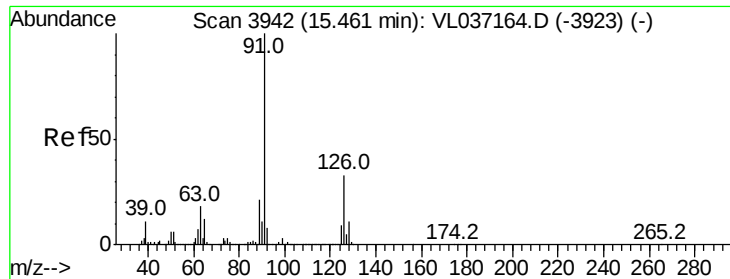


#70
 n-Butylbenzene
 Concen: 7.630 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 91 Resp: 6029630

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	25.0	20.2	30.4

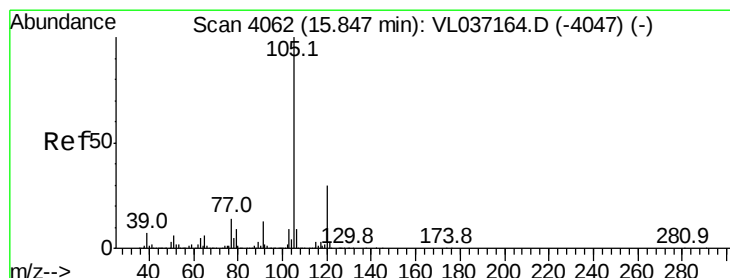
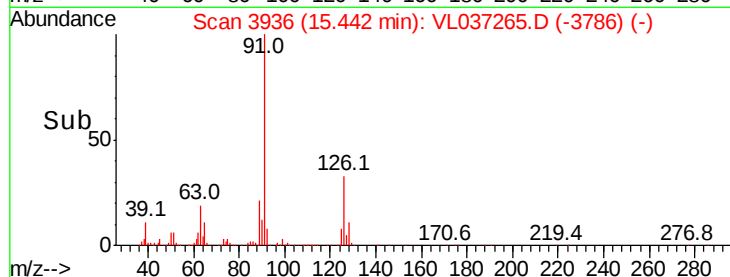
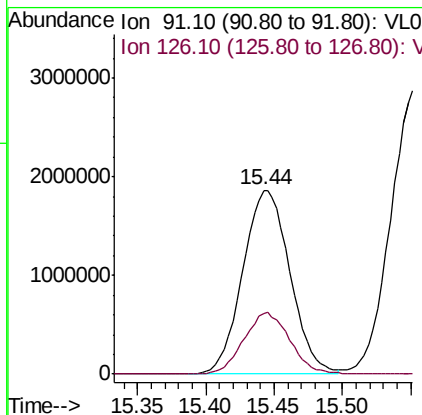
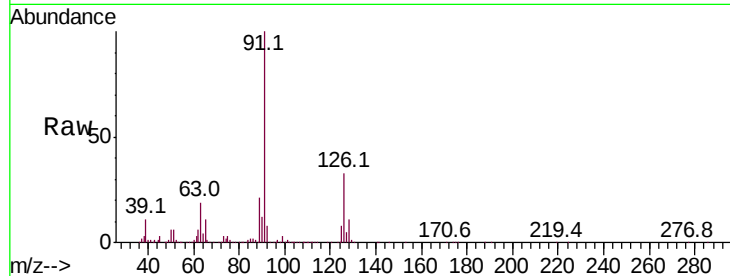




#71
 2-Chlorotoluene
 Concen: 7.480 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

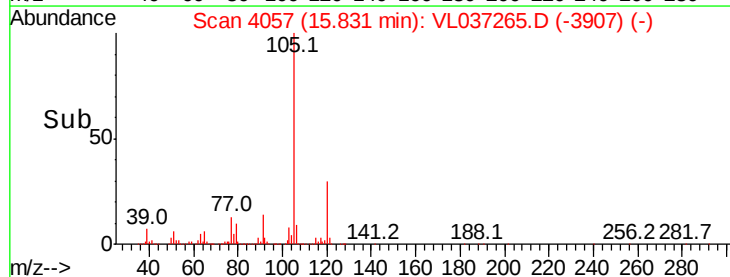
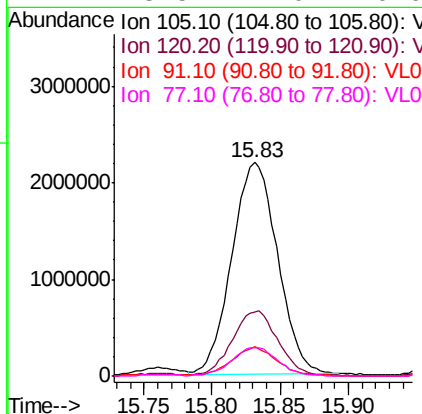
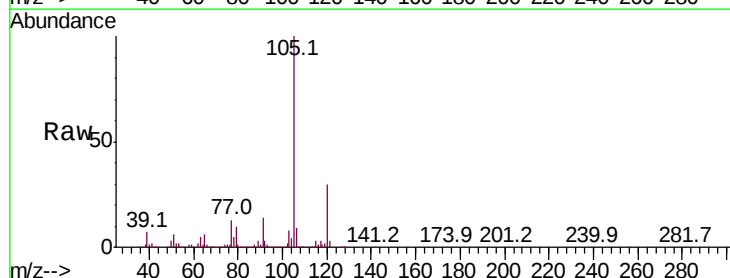
Instrument :
 MSVOA_L
 ClientSampleId :

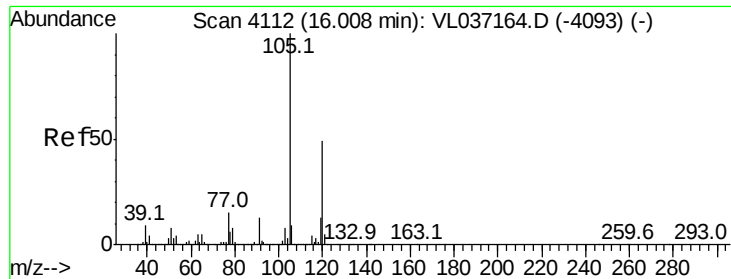
Tot Ion: 91 Resp: 4469856
 Ion Ratio Lower Upper
 91 100
 126 33.0 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 7.503 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 105 Resp: 5124057
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.7 37.1
 91 13.0 10.2 15.4
 77 13.5 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 6.999 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

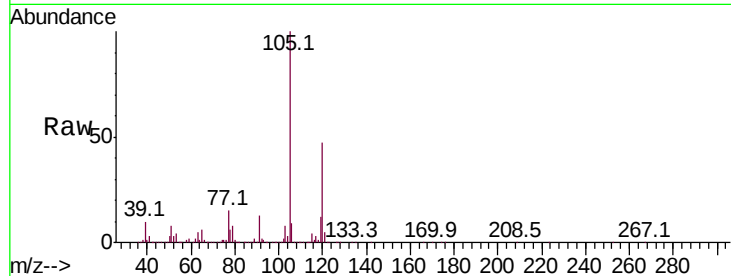
ClientSampled :

Tot Ion:105 Resp: 4620163

Ion Ratio Lower Upper

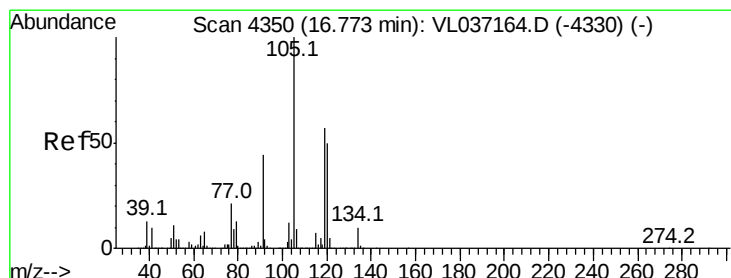
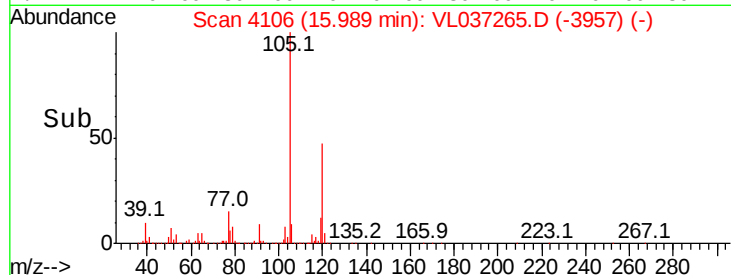
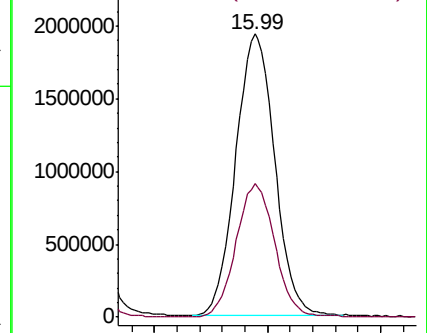
105 100

120 47.4 39.4 59.2



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: 7.155 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion:105 Resp: 4866644

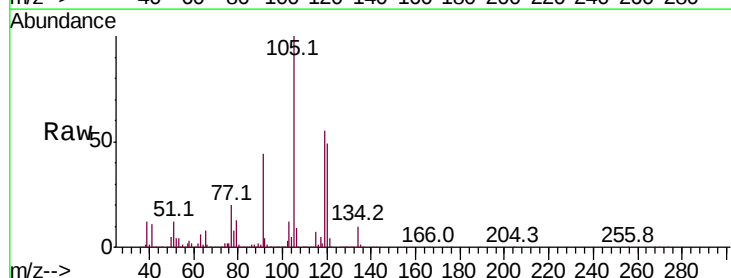
Ion Ratio Lower Upper

105 100

120 48.8 39.8 59.8

91 43.6 37.0 55.4

77 20.3 17.0 25.4

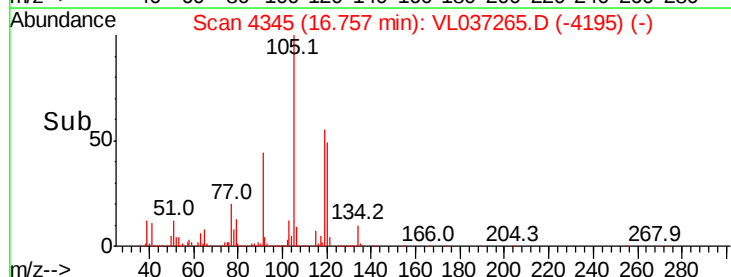
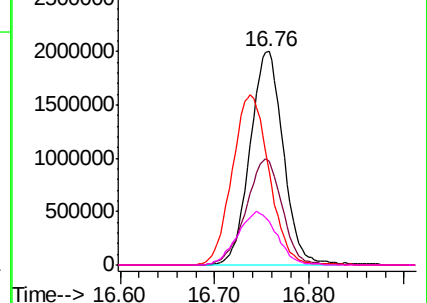


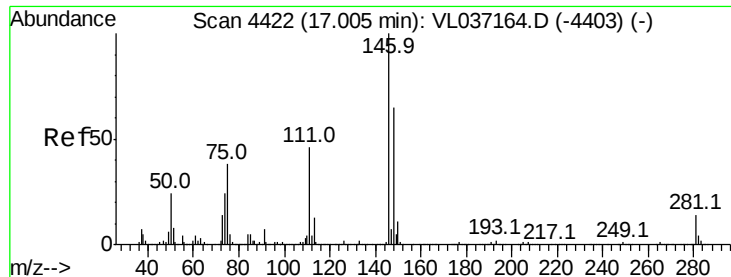
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.379 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

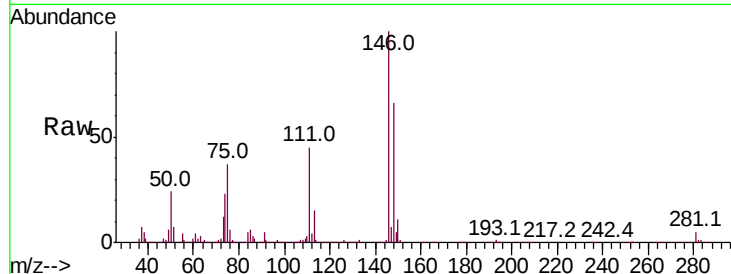
Tot Ion:146 Resp: 3051612

Ion Ratio Lower Upper

146 100

111 45.5 22.2 66.6

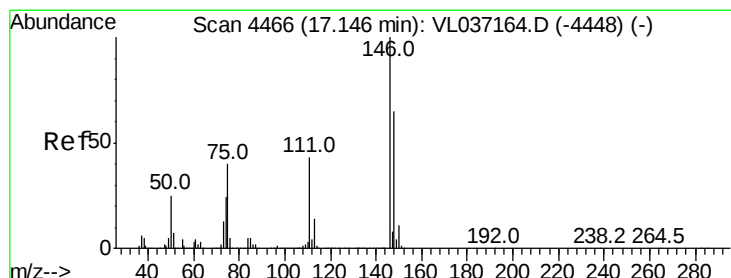
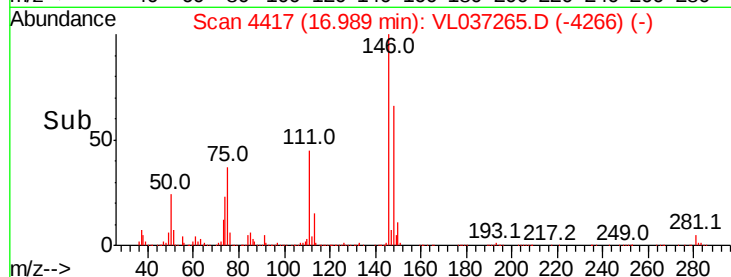
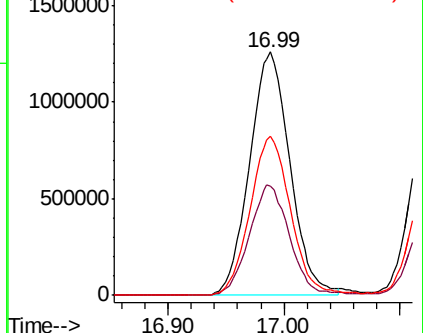
148 65.9 32.4 97.2



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



#76

1,4-Dichlorobenzene

Concen: 7.143 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

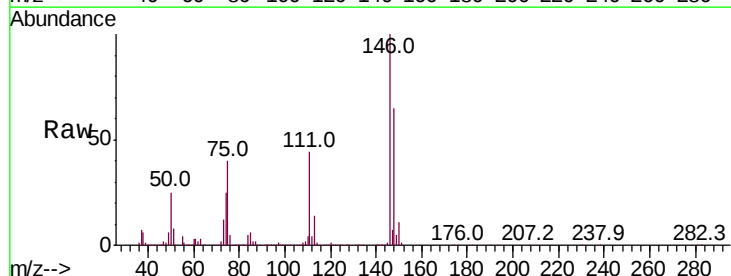
Tgt Ion:146 Resp: 2950413

Ion Ratio Lower Upper

146 100

111 45.2 22.7 68.0

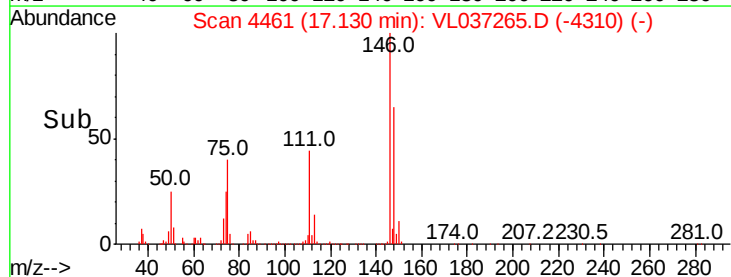
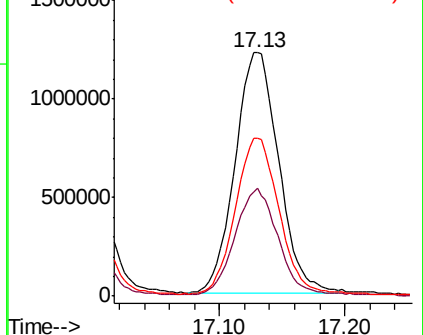
148 67.6 33.7 101.1

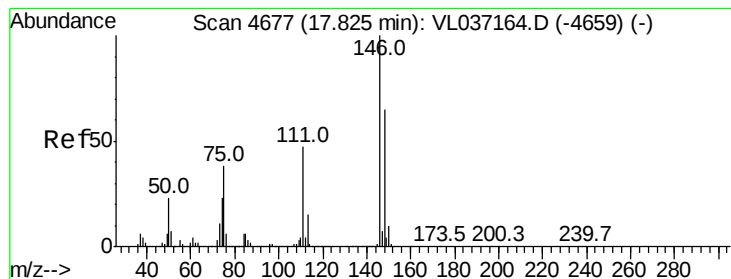


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.538 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

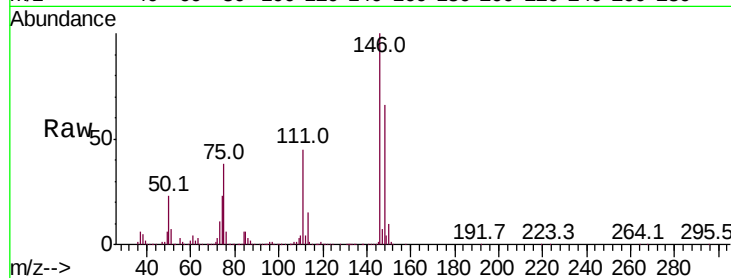
Tot Ion:146 Resp: 3015444

Ion Ratio Lower Upper

146 100

111 46.6 23.3 69.8

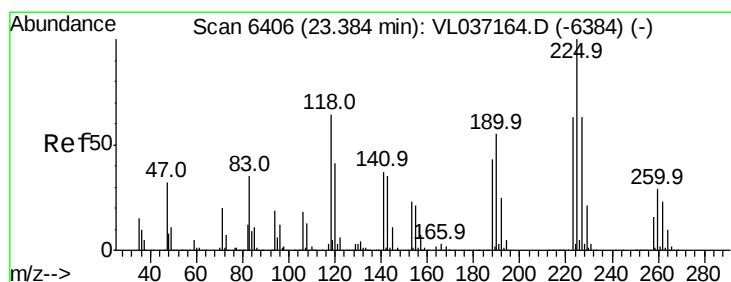
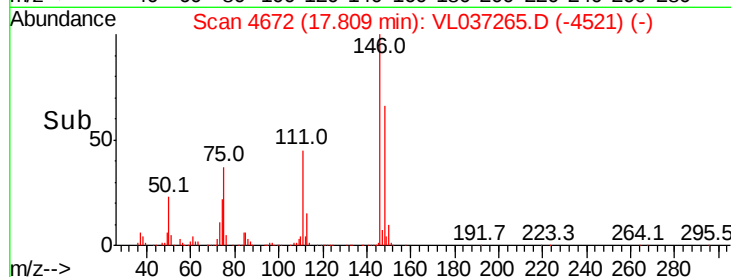
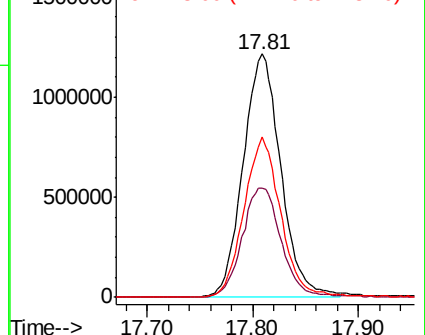
148 64.4 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.044 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

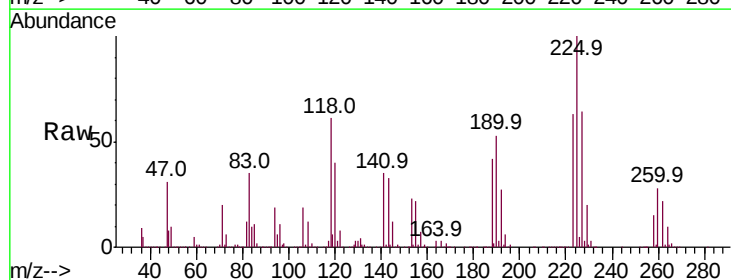
Tgt Ion:225 Resp: 2078766

Ion Ratio Lower Upper

225 100

223 63.8 51.8 77.8

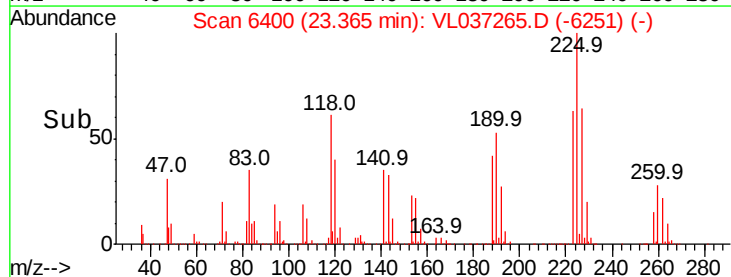
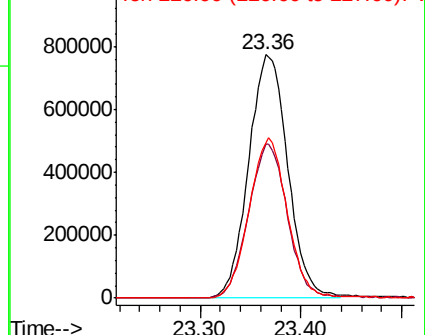
227 64.6 51.4 77.0

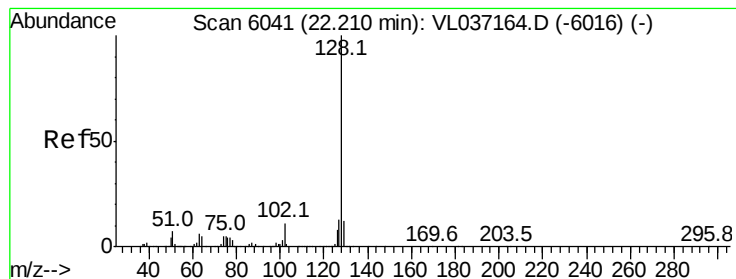


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.919 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

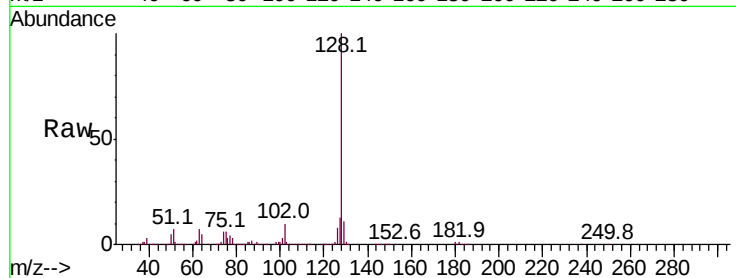
Tot Ion:128 Resp: 3923585

Ion Ratio Lower Upper

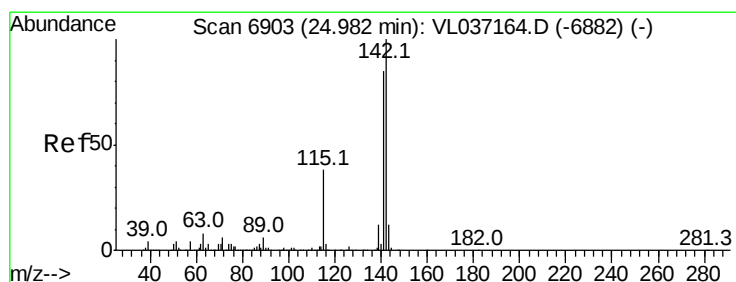
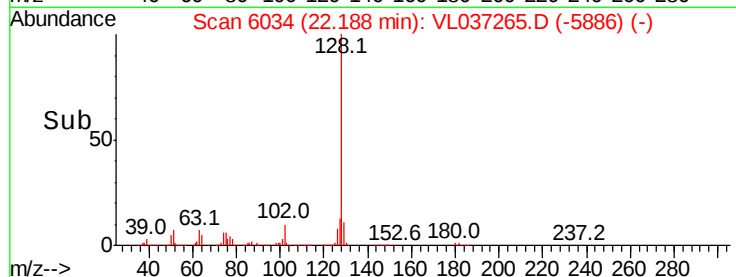
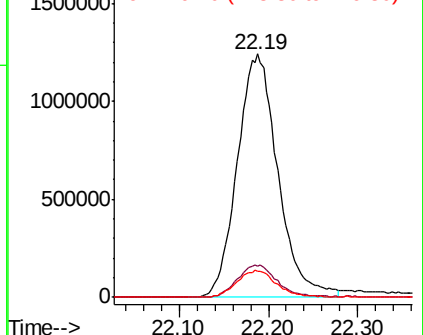
128 100

127 12.8 10.7 16.1

129 10.6 9.3 13.9



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: 5.305 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

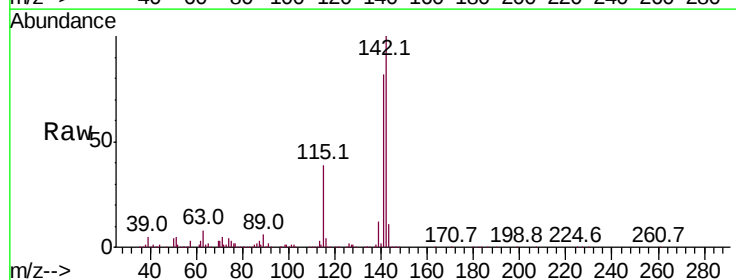
Tgt Ion:142 Resp: 788963

Ion Ratio Lower Upper

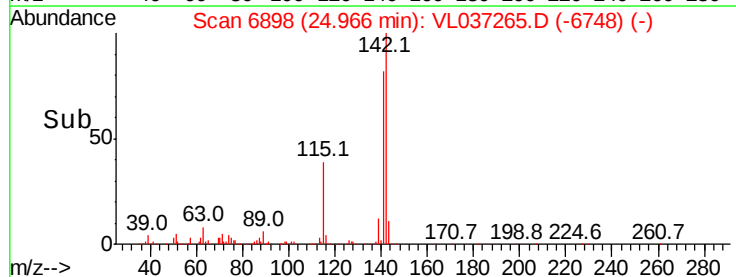
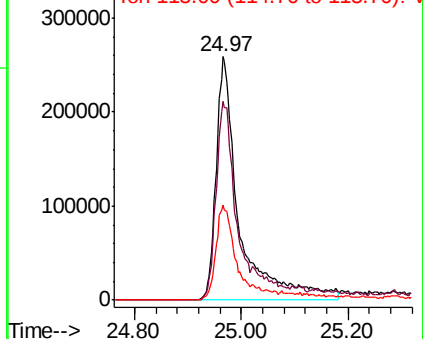
142 100

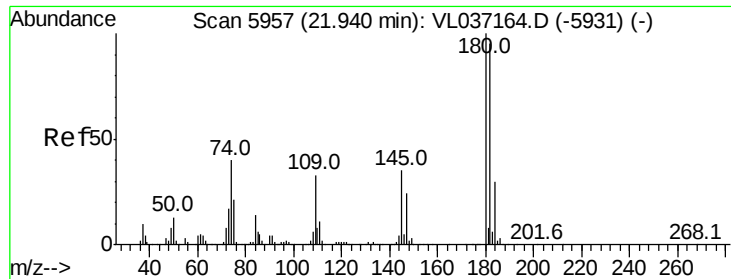
141 76.2 63.7 95.5

115 37.7 30.6 45.8



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

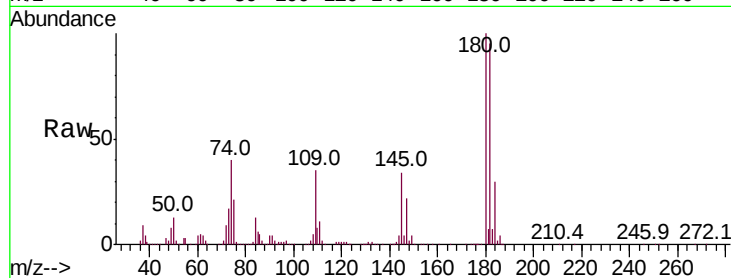




#81
 1,2,4-Trichlorobenzene
 Concen: 6.966 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2279582
 Ion Ratio Lower Upper
 180 100
 182 99.7 79.3 118.9
 184 31.5 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

