

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037219.D
 Acq On : 22 Jun 2021 16:33
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:40:20 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	5.69	49	1616968	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	4800922	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5501891	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3435739	8.24	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2524545	8.977	ppbv 100
3) Chlorodifluoromethane	3.00	51	2700230	8.588	ppbv 100
4) Chloromethane	3.15	50	897865	8.569	ppbv 98
5) Vinyl Chloride	3.27	62	1010332	8.773	ppbv 100
6) Bromomethane	3.49	94	547856	7.974	ppbv 99
7) Chloroethane	3.57	64	361722	8.787	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2562531	8.883	ppbv 98
9) Propene	3.02	41	864674	8.601	ppbv 100
10) Heptane	8.14	43	2214564	9.096	ppbv 99
11) Trichlorofluoromethane	3.96	101	2689884	8.964	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1955046	9.243	ppbv 98
13) Ethanol	3.62	45	82391	5.298	ppbv 64
14) Bromoethene	3.75	108	807872	9.151	ppbv 100
15) Acetone	3.86	43	1315060	7.212	ppbv 99
16) 1,3-Butadiene	3.34	39	980517	9.096	ppbv 100
17) tert-Butyl alcohol	4.31	59	1609281	9.549	ppbv 99
18) 1,1-Dichloroethene	4.30	96	864738	9.226	ppbv 99
19) Isopropyl Alcohol	3.99	45	852289	7.717	ppbv 99
20) Methylene Chloride	4.36	84	727954	6.668	ppbv 99
21) Allyl Chloride	4.43	41	1220070	8.877	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	877515	9.461	ppbv 98
23) Vinyl Acetate	5.09	43	2057682	7.870	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1781107	8.461	ppbv 99
25) Ethyl Acetate	5.70	43	3467985	8.785	ppbv 99
26) Hexane	5.70	57	1675836	8.400	ppbv 99
27) Carbon Disulfide	4.57	76	2057147	10.524	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1932798	8.058	ppbv 98
29) Chloroform	5.77	83	2749630	8.922	ppbv 98
30) Cyclohexane	7.15	84	1509912	9.083	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1678927	9.158	ppbv 97
32) 1,1,1-Trichloroethane	6.53	97	2881857	8.738	ppbv 100
34) 2-Butanone	5.26	43	1559557	8.353	ppbv 98
35) Carbon Tetrachloride	7.04	117	3089749	9.595	ppbv 99
36) Benzene	6.91	78	3483613	8.973	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2075485	9.203	ppbv 100
38) Trichloroethene	7.85	130	1476542	8.001	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1340327	9.291	ppbv 99
40) 1,4-Dioxane	7.86	88	320468	8.101	ppbv 62
41) Tetrahydrofuran	6.07	42	804188	9.273	ppbv 99
42) Bromodichloromethane	7.81	83	2938970	9.446	ppbv 98
43) Methyl Methacrylate	8.03	69	1269189	9.466	ppbv 99

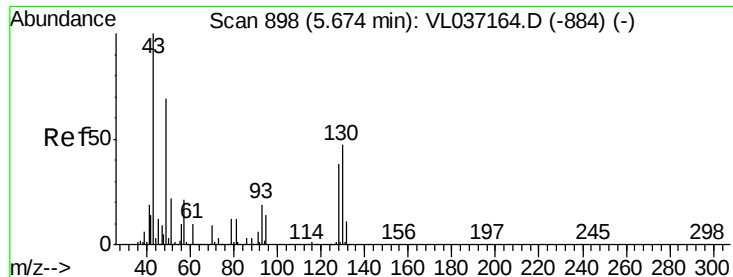
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037219.D
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 Operator : SY/AP
 Sample : VL0622ABS01
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Quant Time: Jun 23 01:40:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 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	7.89	57	5777443	8.838	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	924680	7.817	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1215490	7.512	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1492489	9.069	ppbv	97
48) Dibromochloromethane	10.33	129	2700274	10.394	ppbv	99
49) Bromoform	13.06	173	2243067	11.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462220	9.601	ppbv	100
51) 2-Hexanone	10.16	43	1287158	10.315	ppbv	99
52) Tetrachloroethene	11.24	164	1446973	8.021	ppbv	97
53) Toluene	9.83	91	4210298	9.079	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2195981	9.284	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1836866	7.636	ppbv #	59
57) Chlorobenzene	12.17	112	3176379	7.119	ppbv	98
58) Ethyl Benzene	12.73	91	5630962	7.434	ppbv	99
59) m/p-Xylene	13.01	91	4754239	7.407	ppbv #	34
60) o-Xylene	13.71	91	4496641	7.357	ppbv	100
61) Styrene	13.55	104	2569978	8.148	ppbv	99
62) Isopropylbenzene	14.69	105	6323760	7.276	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3007552	7.391	ppbv	99
64) n-propylbenzene	15.58	120	1694827	7.787	ppbv	99
65) tert-Butylbenzene	16.77	119	5708244	7.405	ppbv	100
66) Benzyl Chloride	17.01	91	192361	5.889	ppbv	95
67) sec-Butylbenzene	17.32	105	7580258	7.375	ppbv	100
69) p-Isopropyltoluene	17.67	119	6601665	7.604	ppbv	100
70) n-Butylbenzene	18.57	91	6257987	7.788	ppbv	99
71) 2-Chlorotoluene	15.47	91	4620117	7.604	ppbv	99
72) 4-Ethyltoluene	15.86	105	5466377	7.873	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4940933	7.362	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5128827	7.417	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3105494	7.386	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3015258	7.180	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2999437	7.374	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1989840	5.690	ppbv	100
79) Naphthalene	22.22	128	3842952	6.665	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	835456	5.525	ppbv	93
81) 1,2,4-Trichlorobenzene	21.95	180	2244130	6.745	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

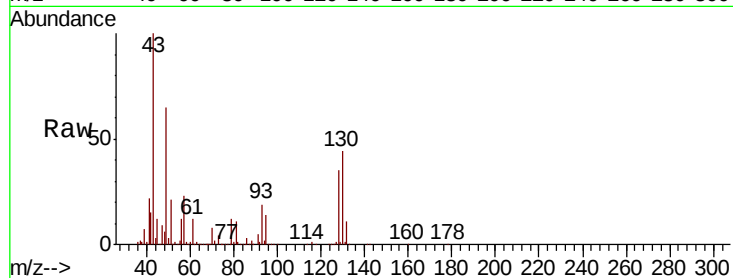
Tot Ion: 49 Resp: 1616968

Ion Ratio Lower Upper

49 100

128 58.3 29.3 88.0

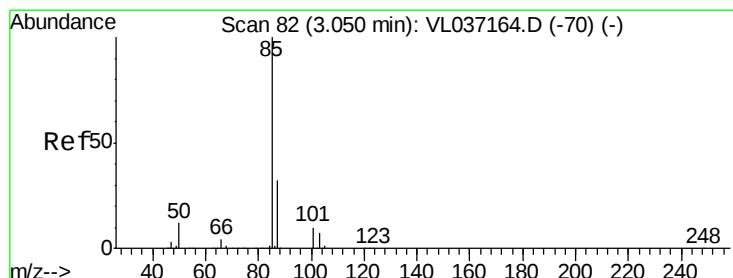
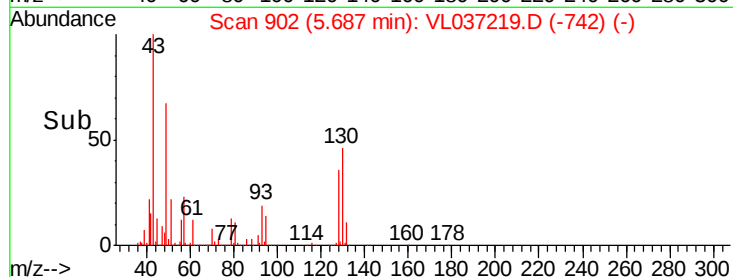
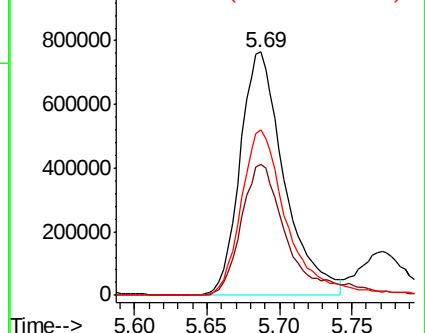
130 71.9 35.9 107.8



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: 8.977 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL037219.D

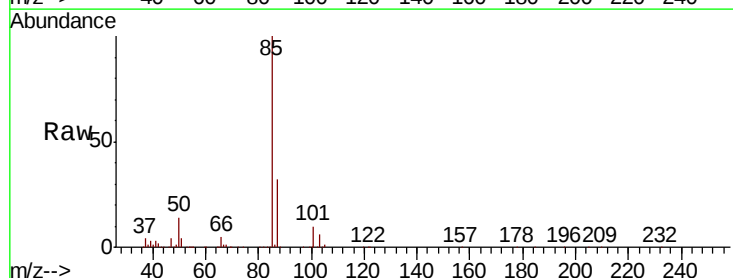
Acq: 22 Jun 2021 16:33

Tgt Ion: 85 Resp: 2524545

Ion Ratio Lower Upper

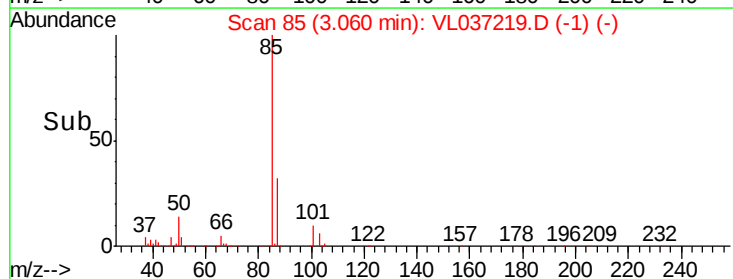
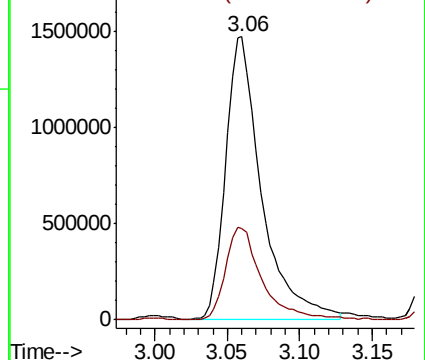
85 100

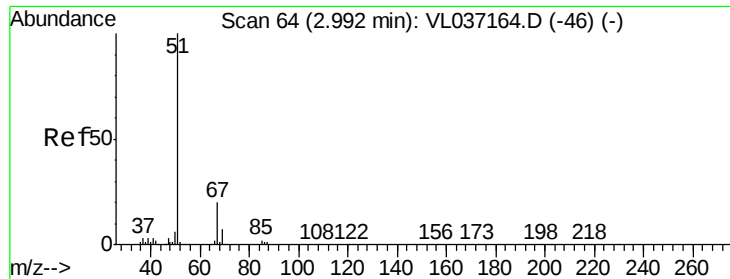
87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.588 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

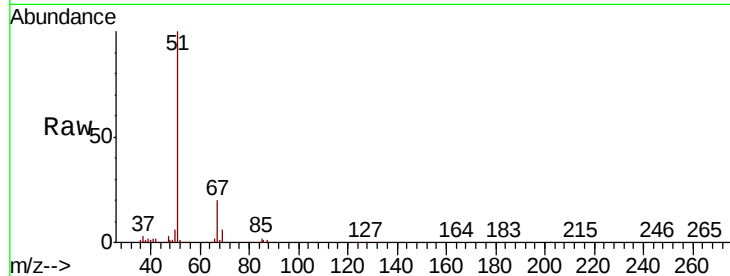
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2700230

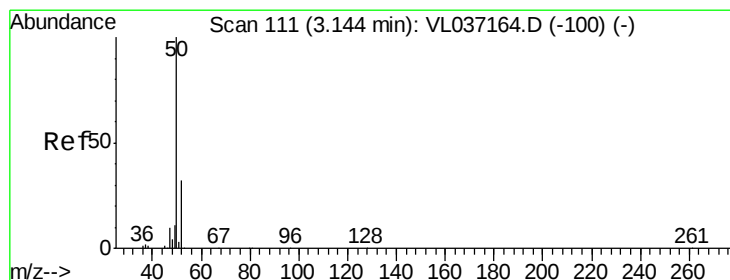
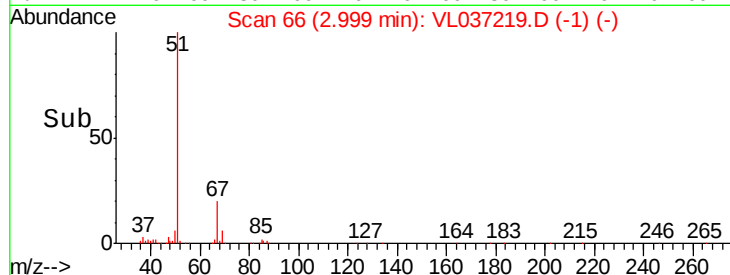
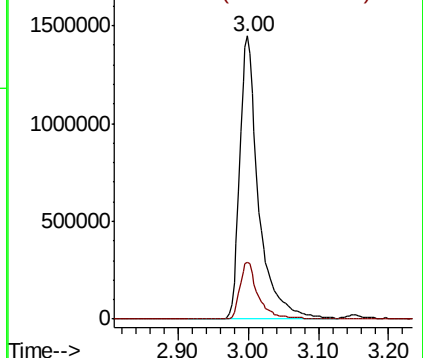
Ion Ratio Lower Upper

51 100

67 19.8 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: 8.569 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037219.D

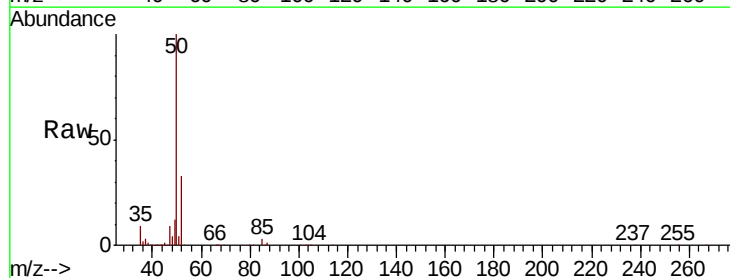
Acq: 22 Jun 2021 16:33

Tgt Ion: 50 Resp: 897865

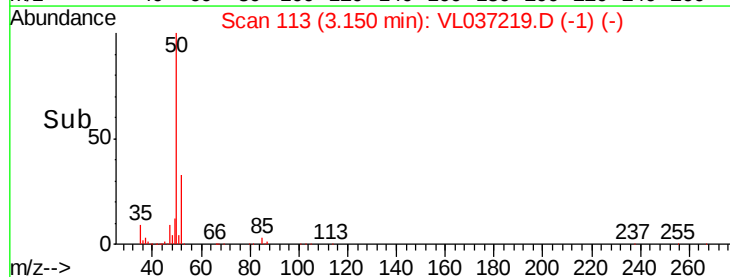
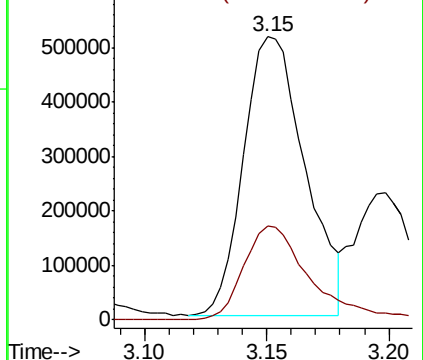
Ion Ratio Lower Upper

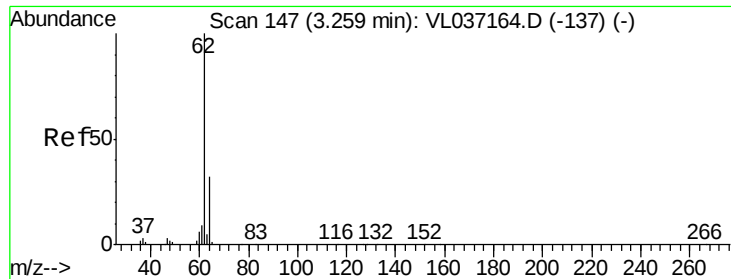
50 100

52 33.4 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: 8.773 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

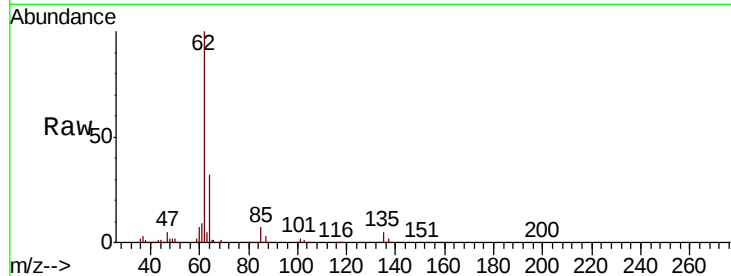
ClientSampleId :

Tot Ion: 62 Resp: 1010332

Ion Ratio Lower Upper

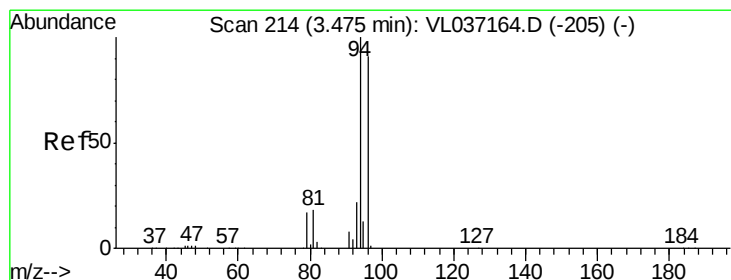
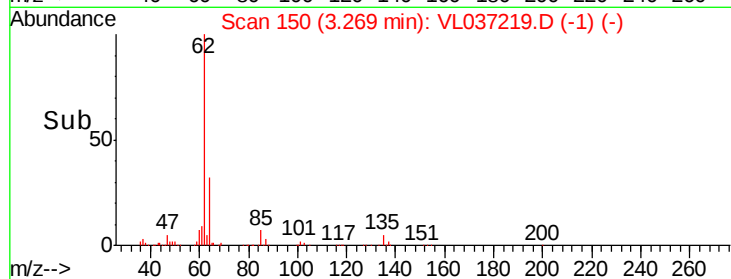
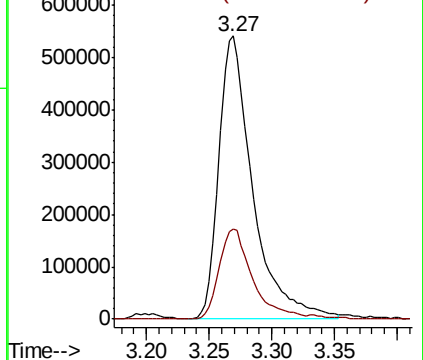
62 100

64 32.1 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 7.974 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL037219.D

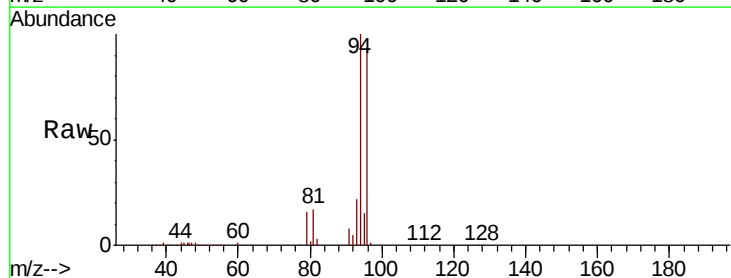
Acq: 22 Jun 2021 16:33

Tgt Ion: 94 Resp: 547856

Ion Ratio Lower Upper

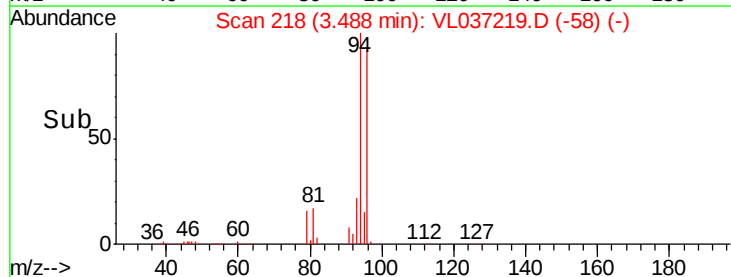
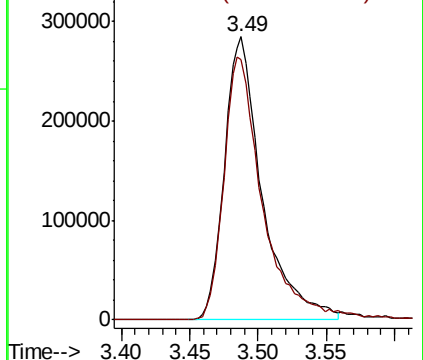
94 100

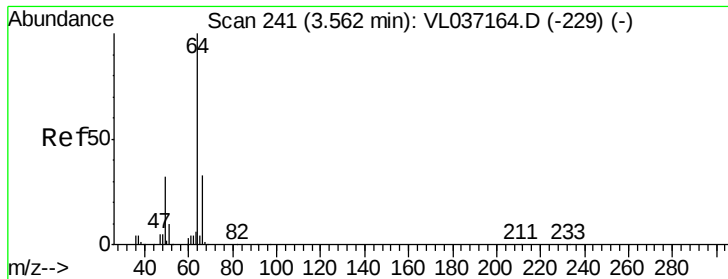
96 91.9 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.787 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

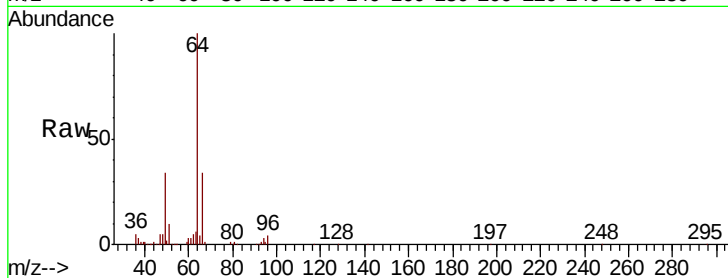
ClientSampleId :

Tot Ion: 64 Resp: 361722

Ion Ratio Lower Upper

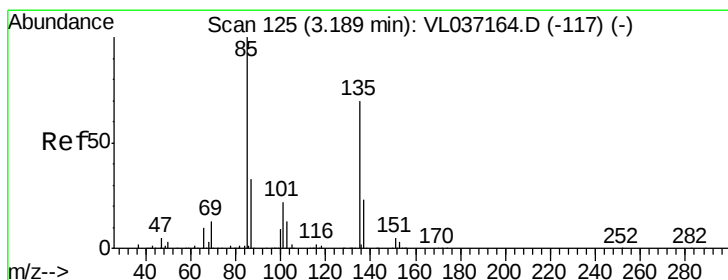
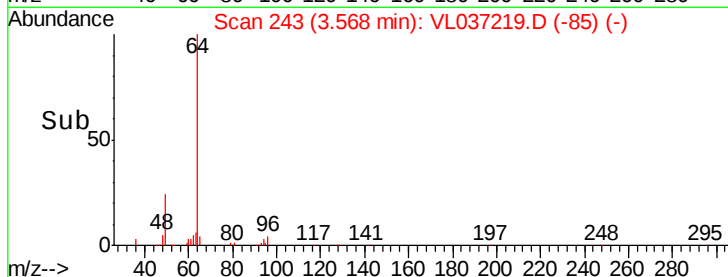
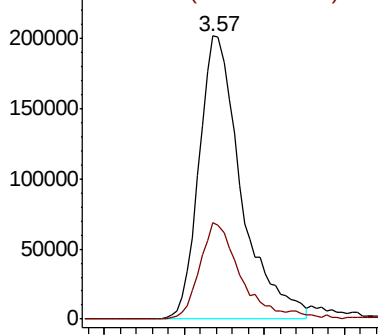
64 100

66 34.1 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: 8.883 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037219.D

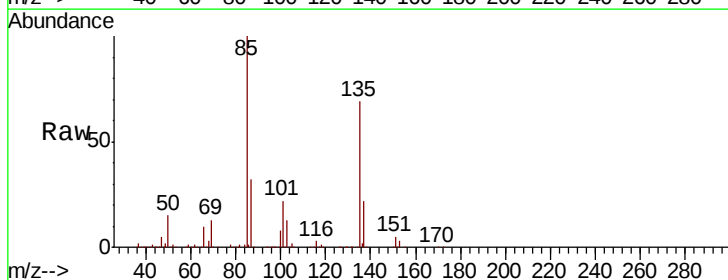
Acq: 22 Jun 2021 16:33

Tgt Ion: 85 Resp: 2562531

Ion Ratio Lower Upper

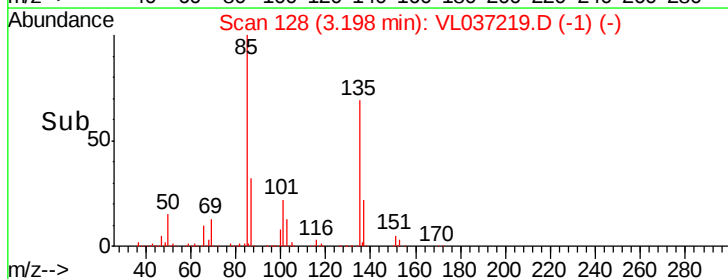
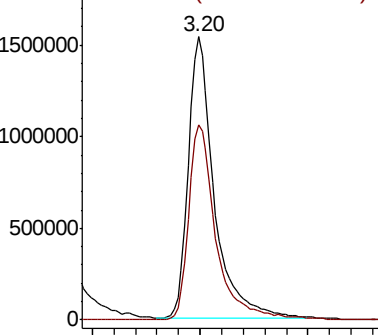
85 100

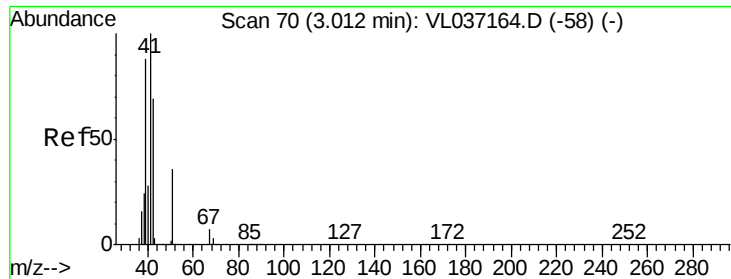
135 73.7 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

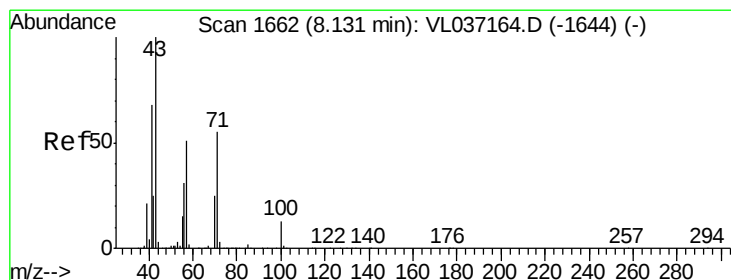
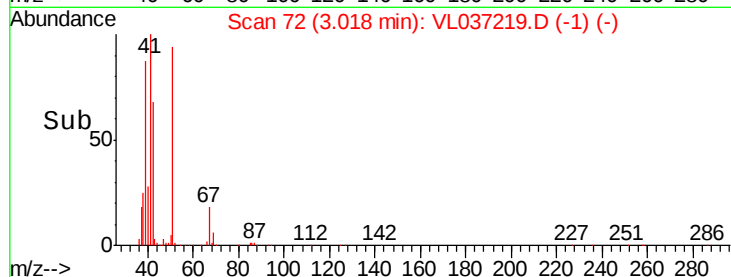
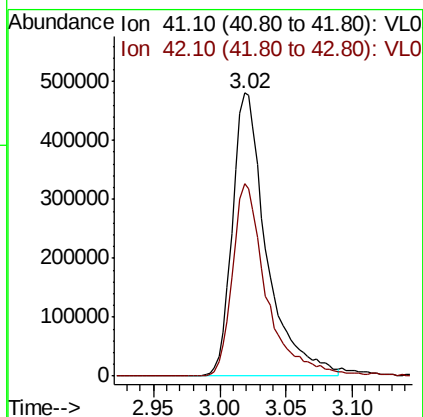
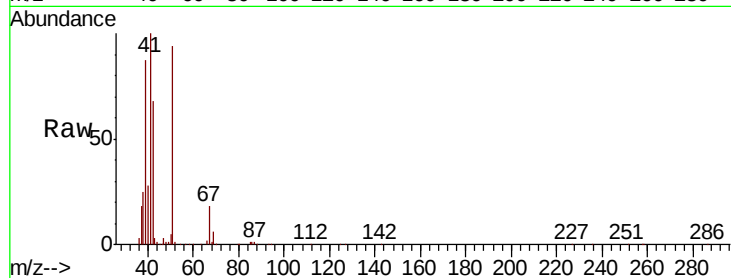




#9
 Propene
 Concen: 8.601 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

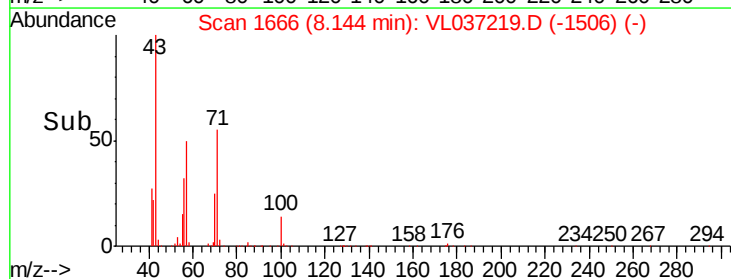
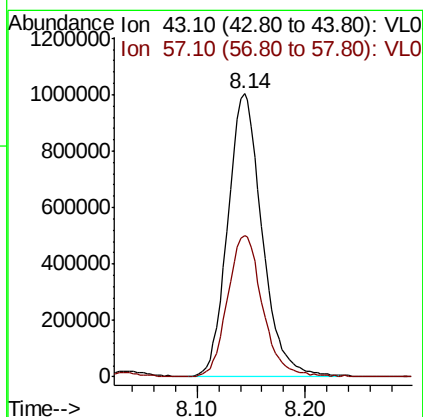
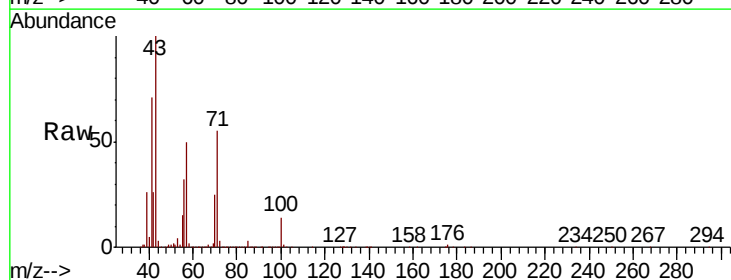
Instrument :
 MSVOA_L
 ClientSampleId :

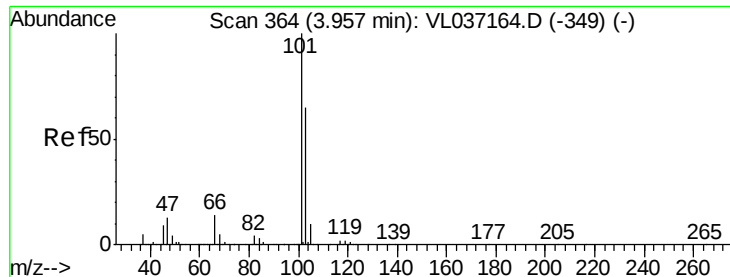
Tot Ion: 41 Resp: 864674
 Ion Ratio Lower Upper
 41 100
 42 68.2 54.5 81.7



#10
 Heptane
 Concen: 9.096 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 43 Resp: 2214564
 Ion Ratio Lower Upper
 43 100
 57 51.3 40.6 61.0





#11

Trichlorofluoromethane

Concen: 8.964 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

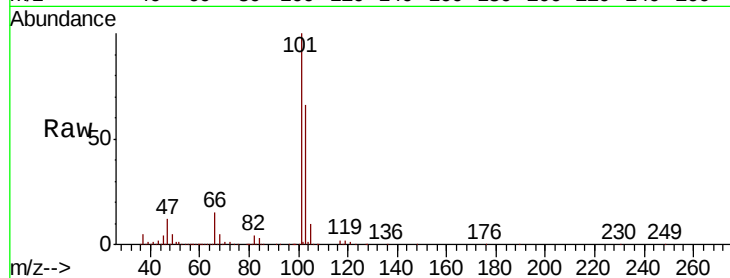
ClientSampleId :

Tot Ion:101 Resp: 2689884

Ion Ratio Lower Upper

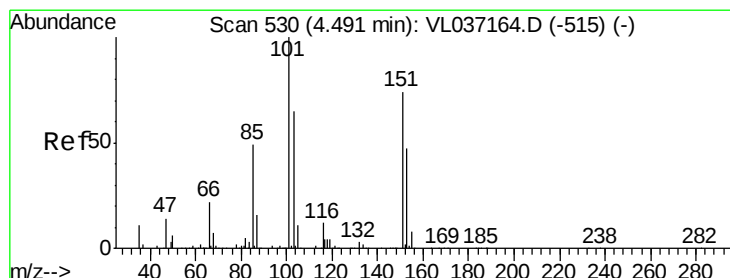
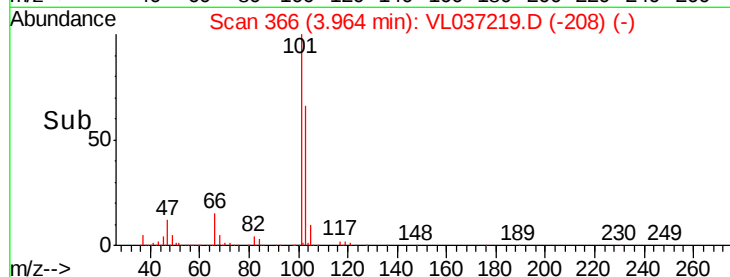
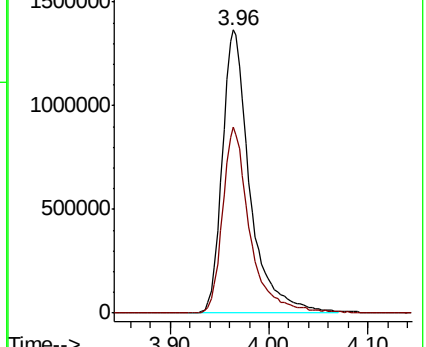
101 100

103 65.7 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: 9.243 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.01 min

Lab File: VL037219.D

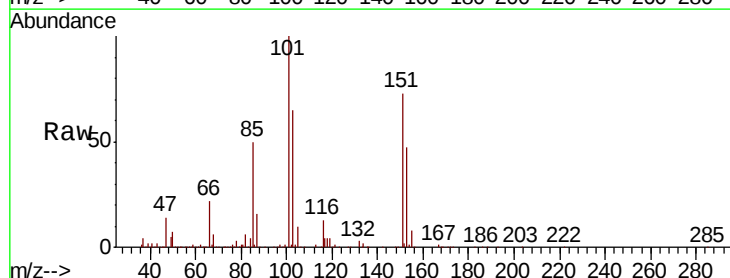
Acq: 22 Jun 2021 16:33

Tgt Ion:101 Resp: 1955046

Ion Ratio Lower Upper

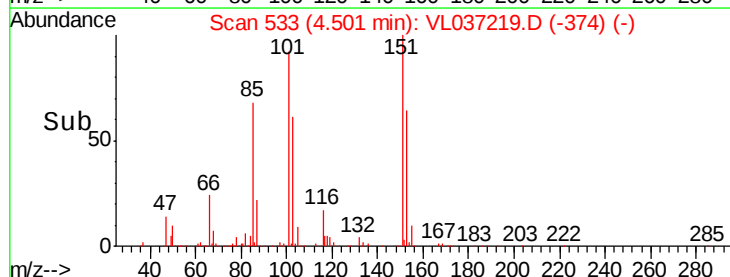
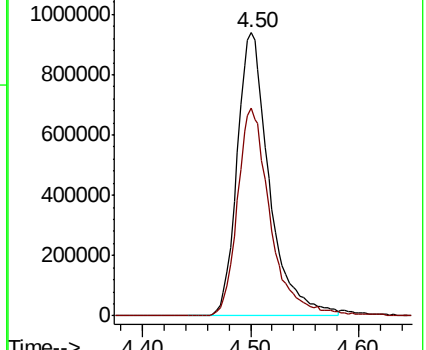
101 100

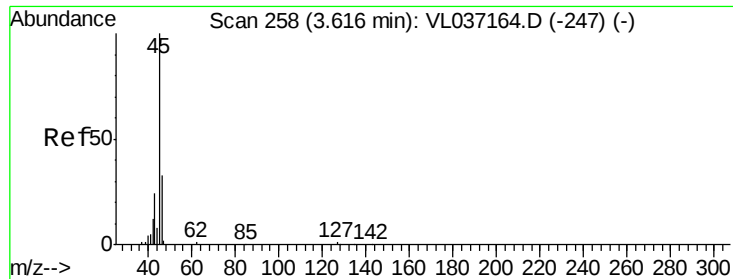
151 75.6 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

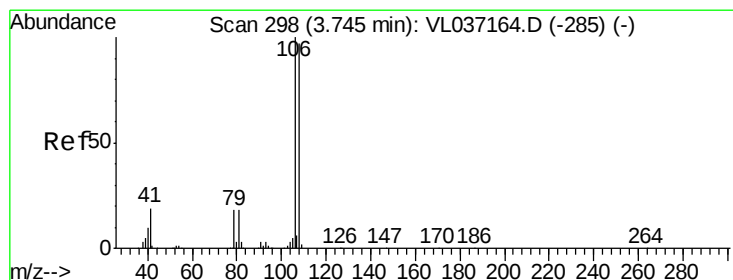
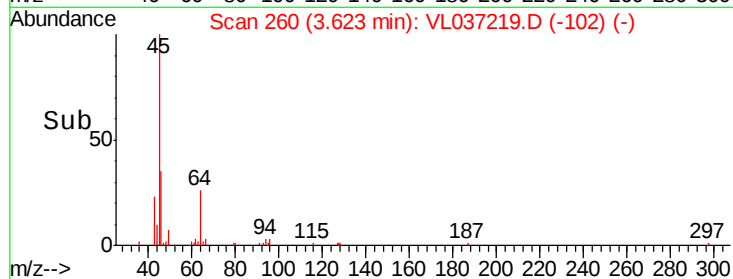
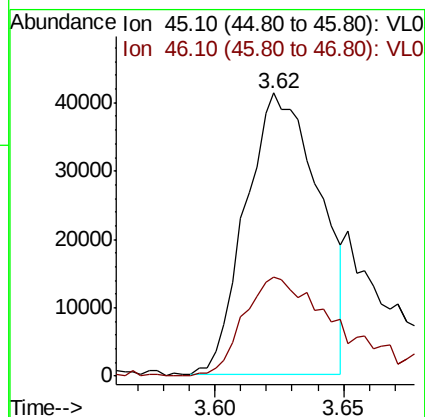
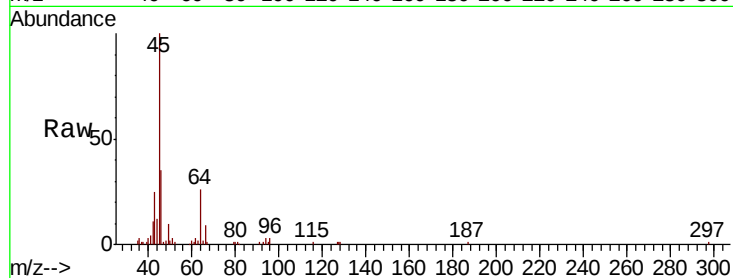




#13
Ethanol
Concen: 5.298 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

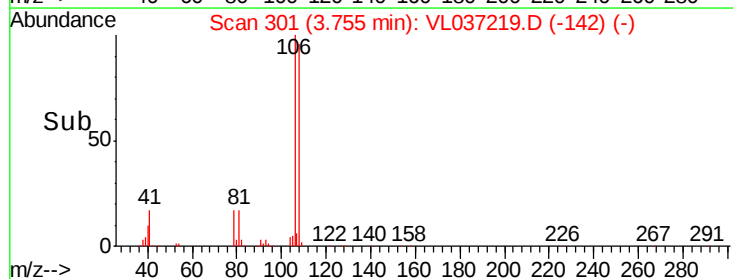
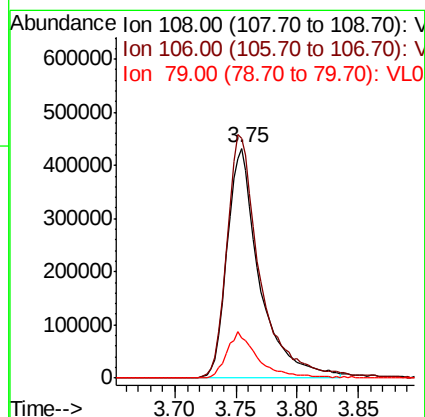
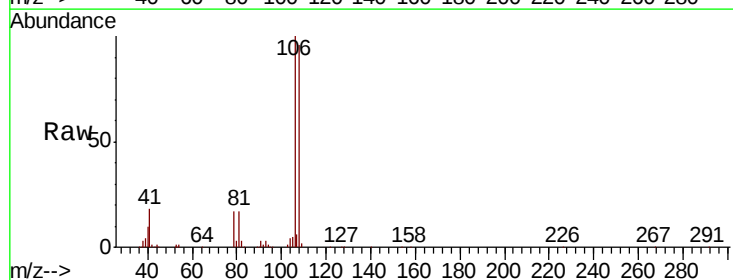
Instrument :
MSVOA_L
ClientSampled :

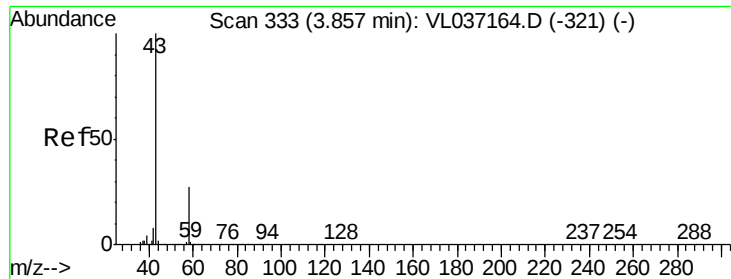
Tot Ion: 45 Resp: 82391
Ion Ratio Lower Upper
45 100
46 52.9 34.2 137.0



#14
Bromoethene
Concen: 9.151 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 108 Resp: 807872
Ion Ratio Lower Upper
108 100
106 108.9 86.8 130.2
79 19.9 15.6 23.4

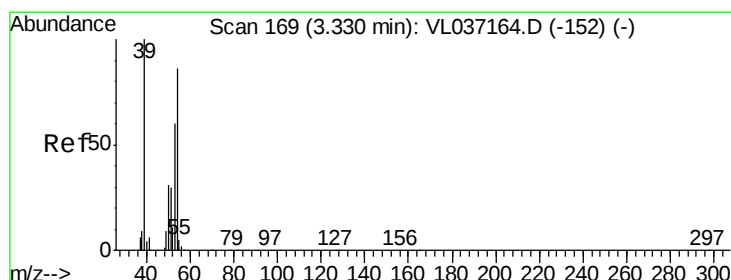
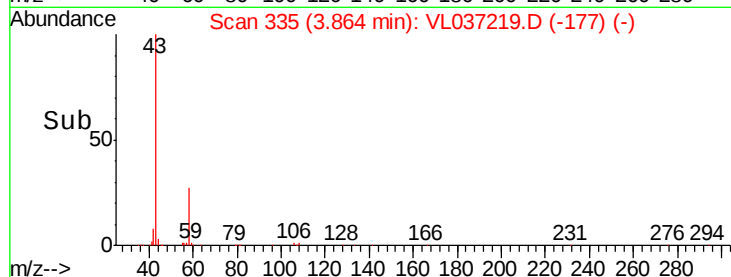
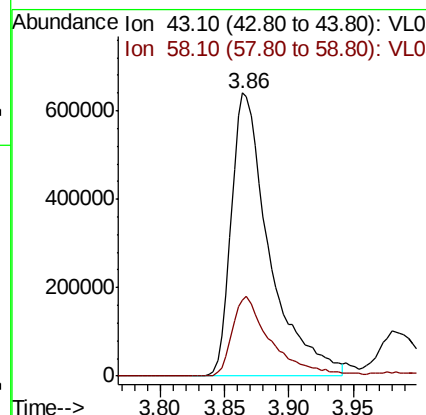
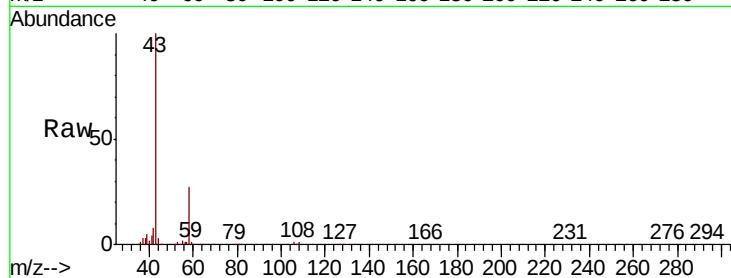




#15
Acetone
Concen: 7.212 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

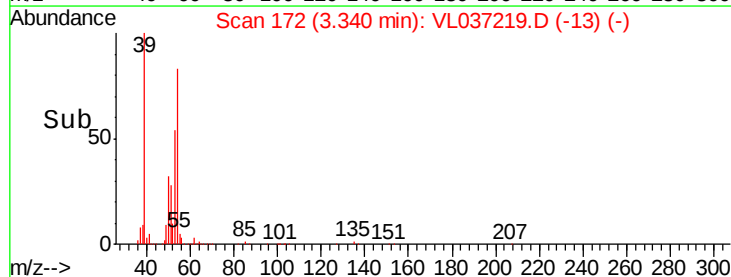
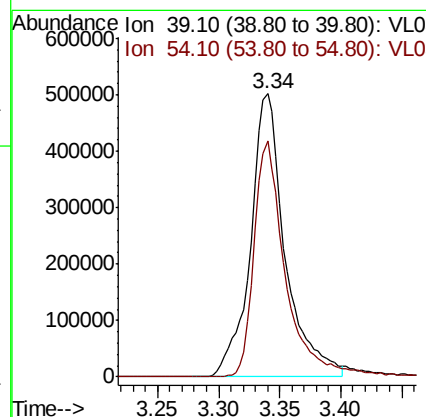
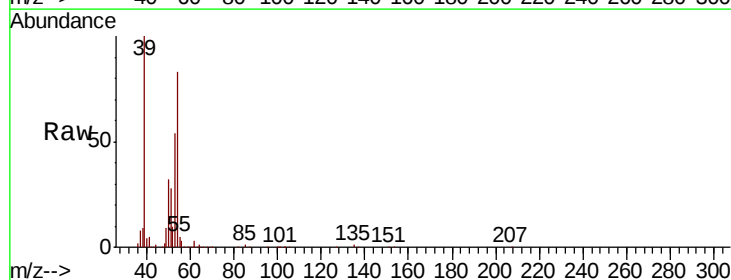
Instrument :
MSVOA_L
ClientSampleId :

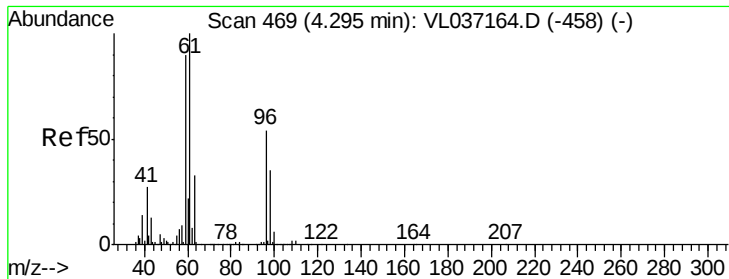
Tot Ion: 43 Resp: 1315060
Ion Ratio Lower Upper
43 100
58 29.1 23.7 35.5



#16
1,3-Butadiene
Concen: 9.096 ppbv
RT: 3.34 min Scan# 172
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 39 Resp: 980517
Ion Ratio Lower Upper
39 100
54 76.3 61.2 91.8

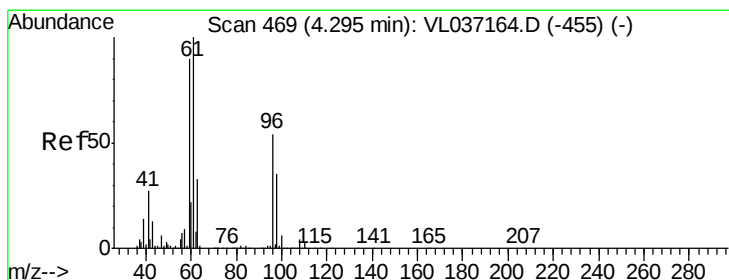
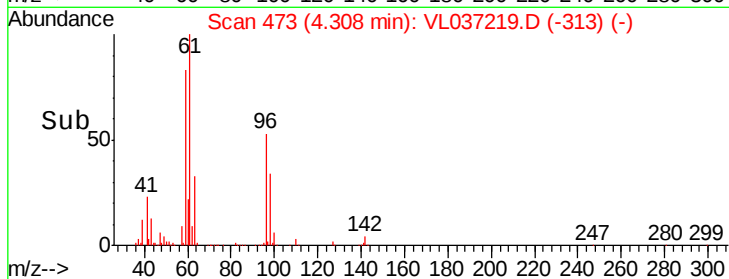
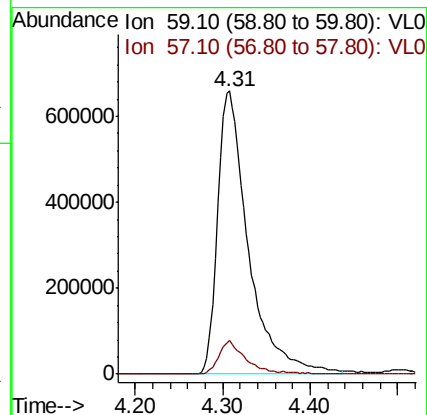
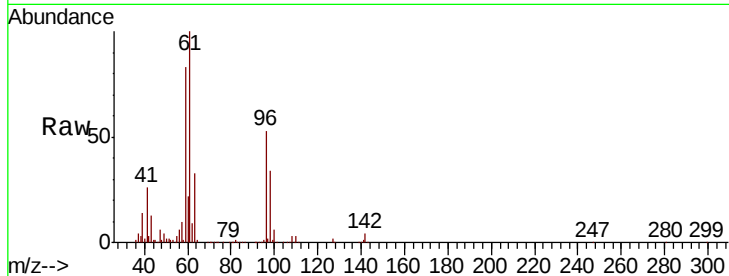




#17
tert-Butyl alcohol
Concen: 9.549 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

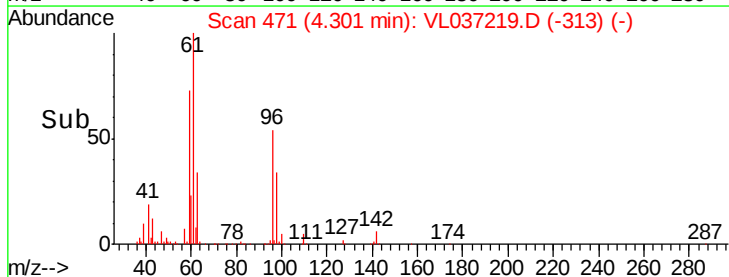
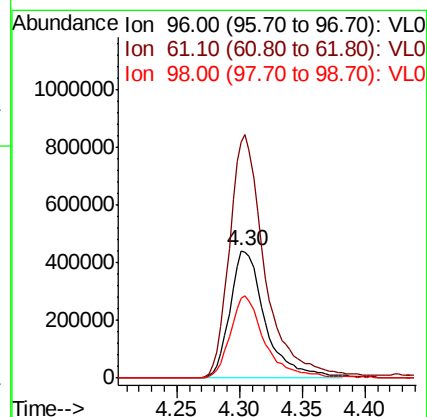
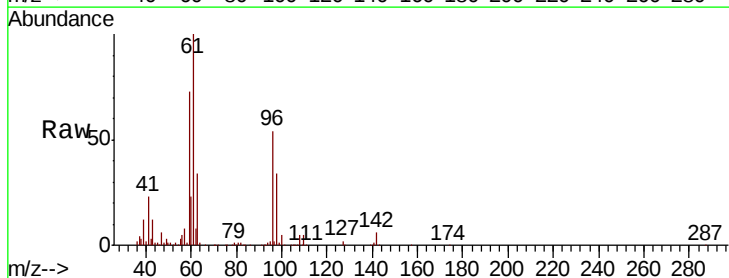
Instrument :
MSVOA_L
ClientSampleId :

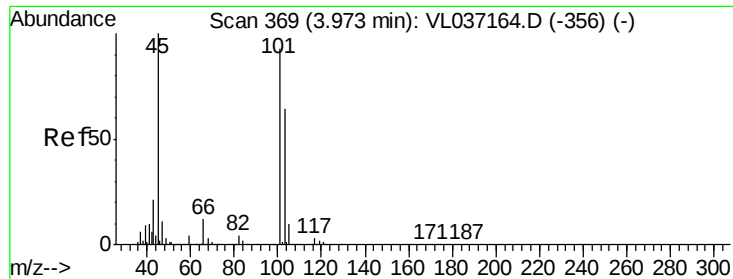
Tot Ion: 59 Resp: 1609281
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2



#18
1,1-Dichloroethene
Concen: 9.226 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 96 Resp: 864738
Ion Ratio Lower Upper
96 100
61 185.3 148.6 222.8
98 62.3 51.9 77.9

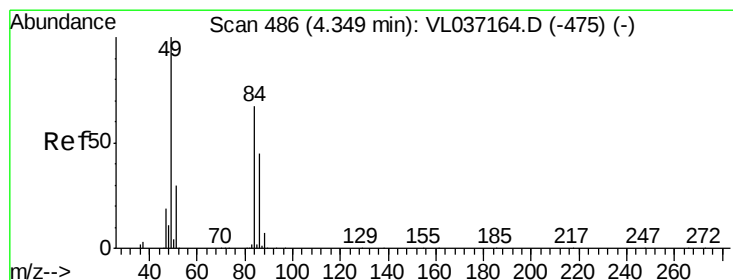
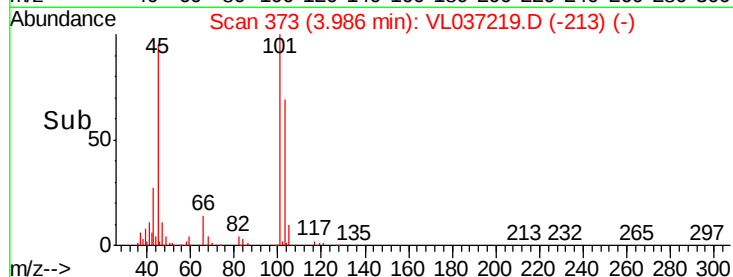
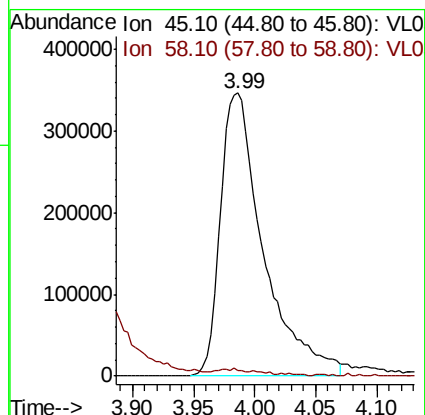
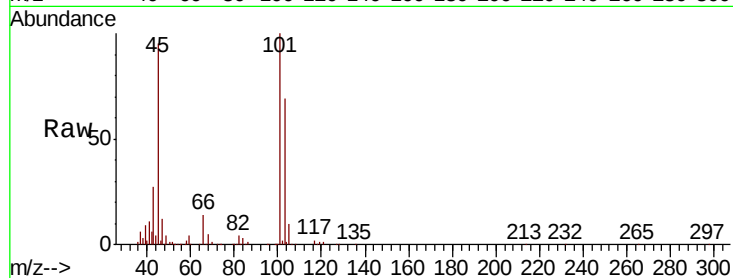




#19
Isopropyl Alcohol
Concen: 7.717 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

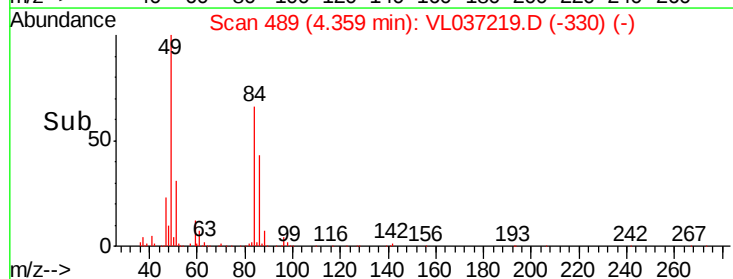
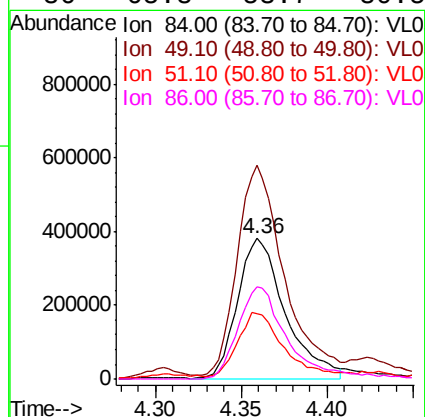
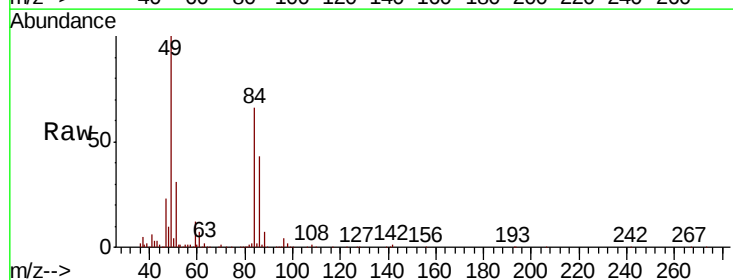
Instrument :
MSVOA_L
ClientSampleId :

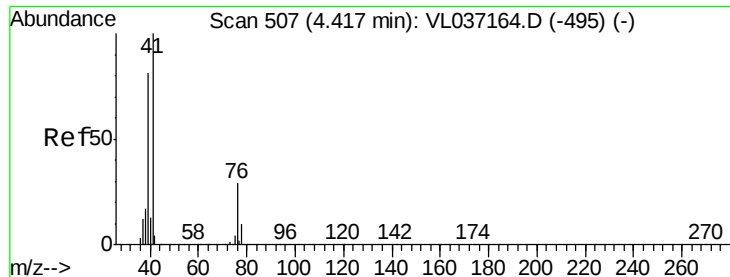
Tot Ion: 45 Resp: 852289
Ion Ratio Lower Upper
45 100
58 2.6 2.4 3.6



#20
Methylene Chloride
Concen: 6.668 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 84 Resp: 727954
Ion Ratio Lower Upper
84 100
49 149.4 119.7 179.5
51 44.2 36.1 54.1
86 65.8 53.7 80.5





#21

Allvl Chloride

Concen: 8.877 ppbv

RT: 4.43 min Scan# 510

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampled :

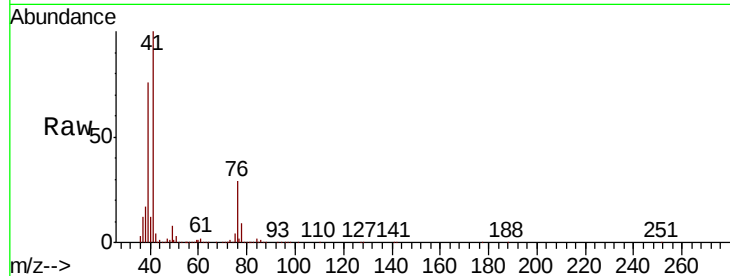
Tot Ion: 41 Resp: 1220070

Ion Ratio Lower Upper

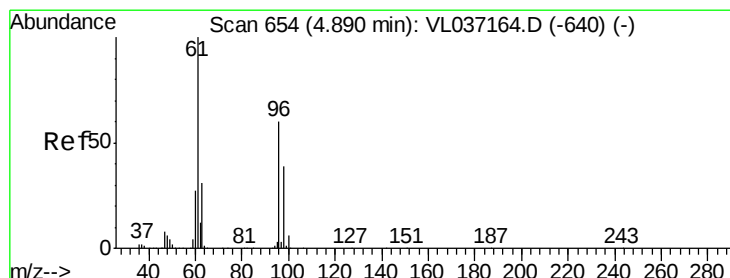
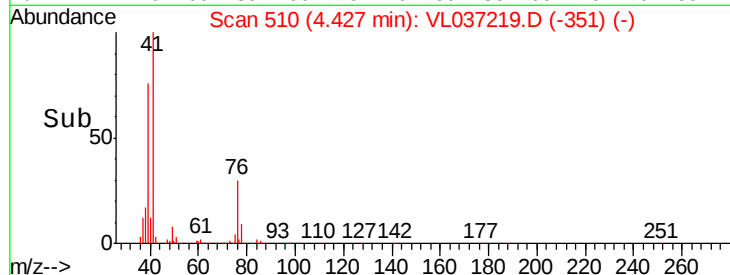
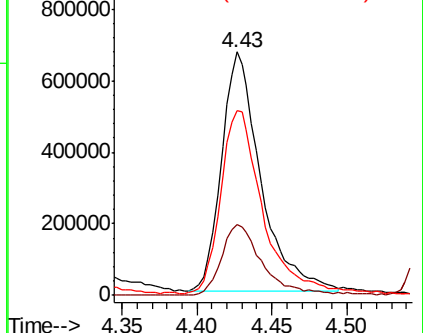
41 100

76 31.3 24.6 37.0

39 82.6 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: 9.461 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

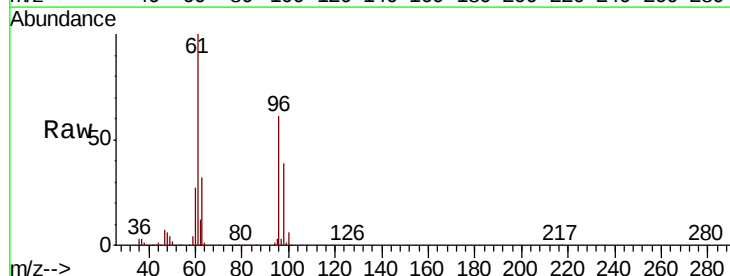
Tgt Ion: 96 Resp: 877515

Ion Ratio Lower Upper

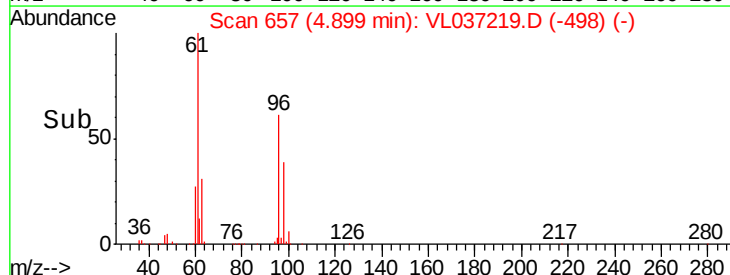
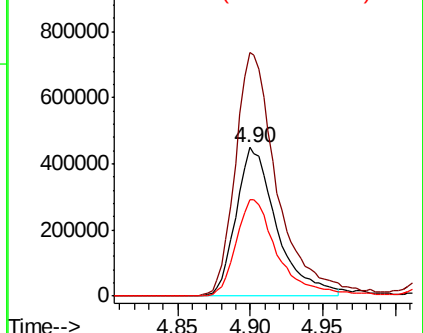
96 100

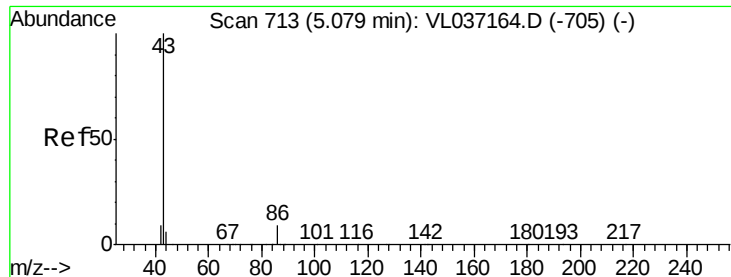
61 164.0 133.9 200.9

98 64.7 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: 7.870 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

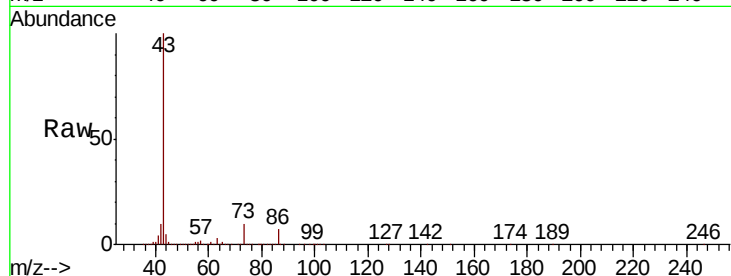
Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

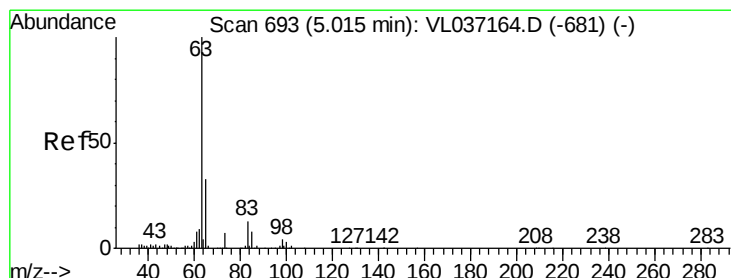
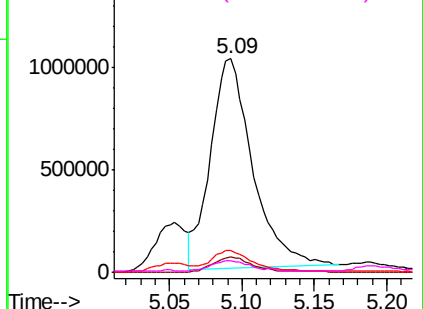
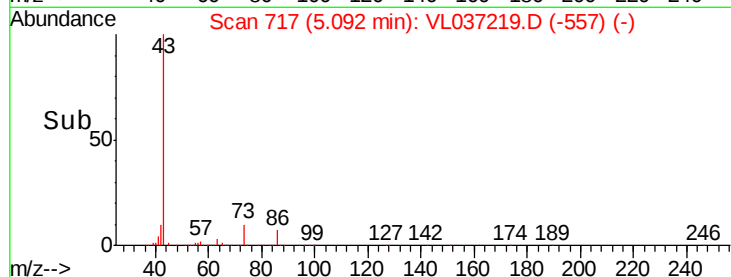
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2057682

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	10.1	8.2	12.2
44	4.8	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: 8.461 ppbv

RT: 5.03 min Scan# 697

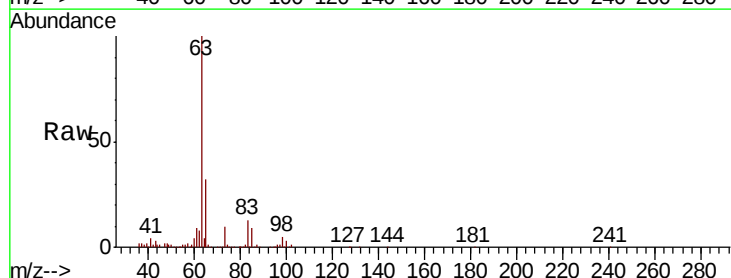
Delta R.T. 0.01 min

Lab File: VL037219.D

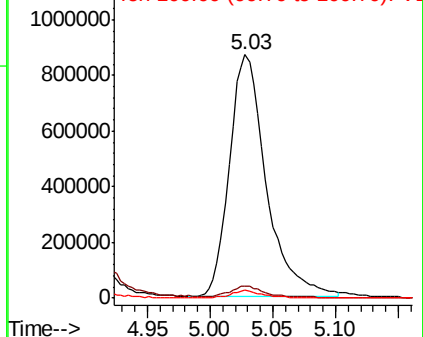
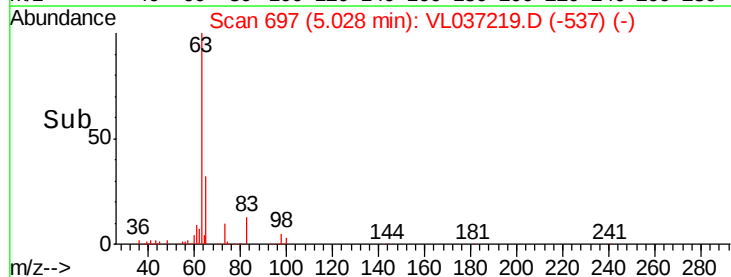
Acq: 22 Jun 2021 16:33

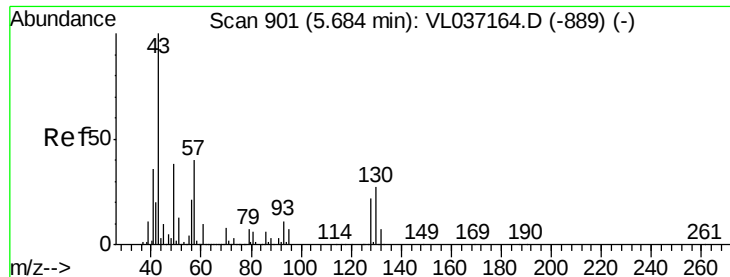
Tgt Ion: 63 Resp: 1781107

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.5
100	3.0	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

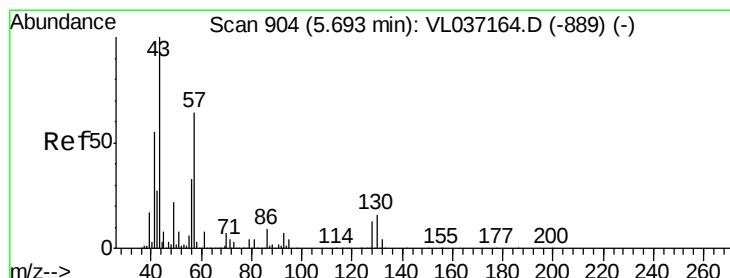
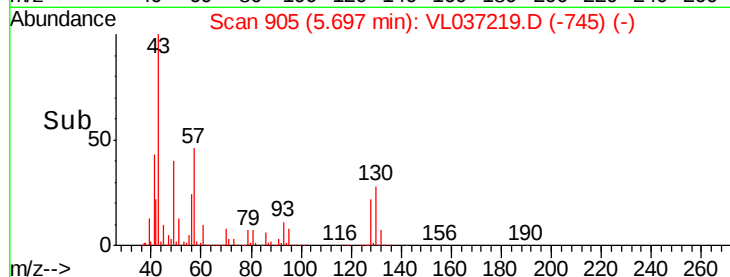
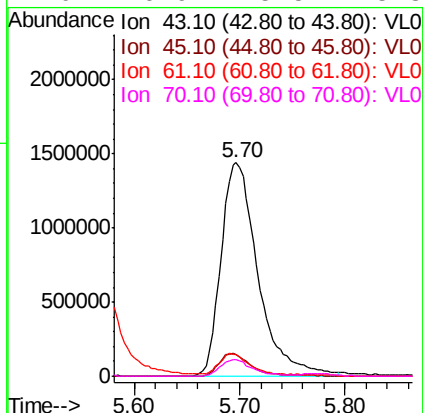
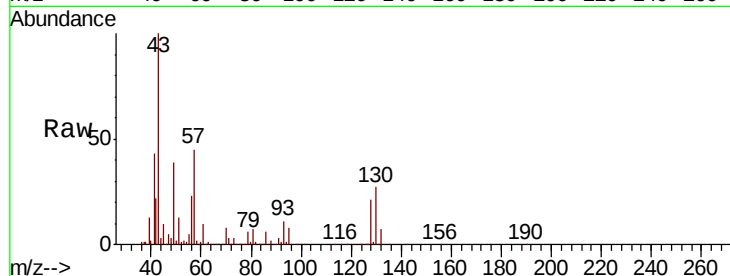




#25
Ethyl Acetate
Concen: 8.785 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

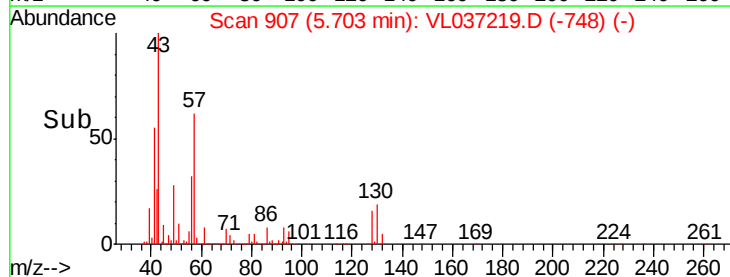
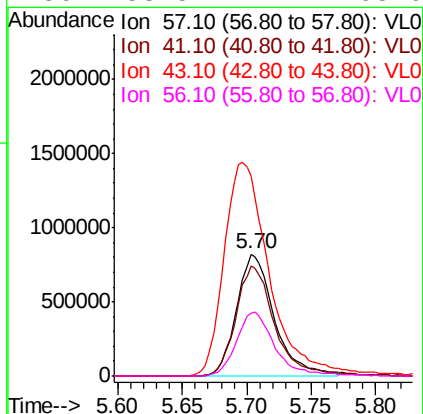
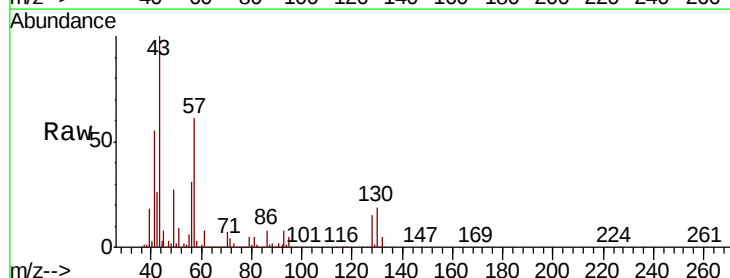
Instrument :
MSVOA_L
ClientSampleId :

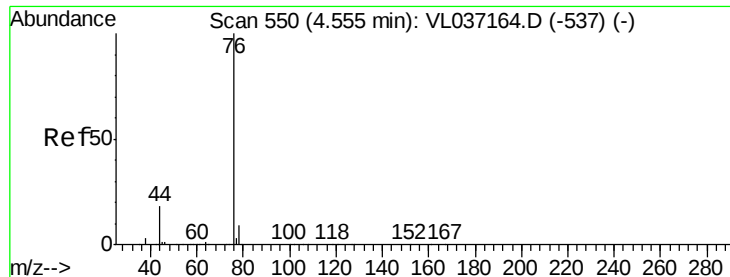
Tot Ion:	43	Resp:	3467985
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.8	8.1	12.1
70	6.9	5.5	8.3



#26
Hexane
Concen: 8.400 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion:	57	Resp:	1675836
Ion	Ratio	Lower	Upper
57	100		
41	93.5	73.5	110.3
43	211.9	170.7	256.1
56	53.5	42.4	63.6





#27

Carbon Disulfide

Concen: 10.524 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

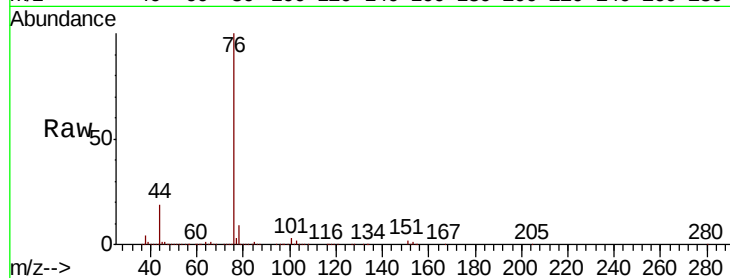
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 2057147

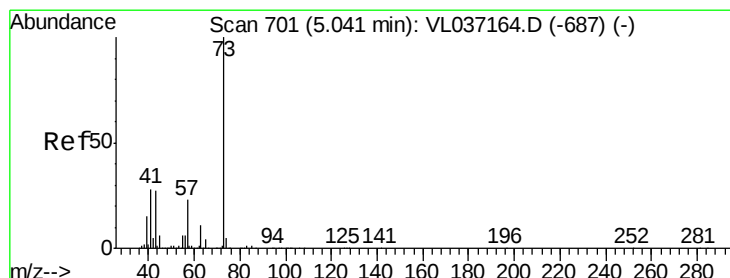
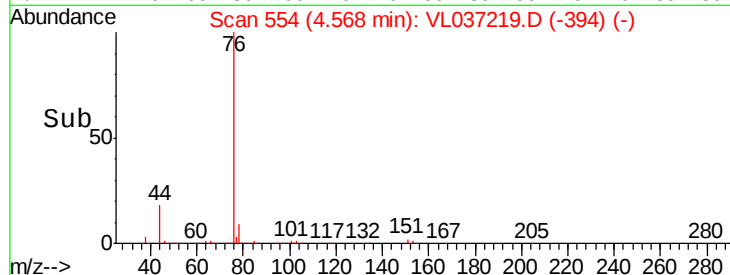
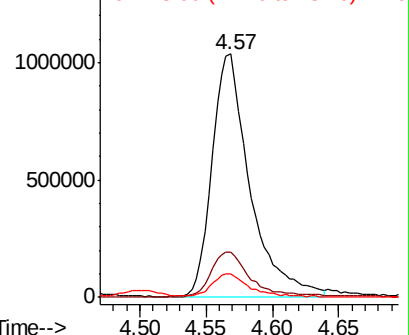
Ion	Ratio	Lower	Upper
76	100		
44	19.9	15.4	23.2
78	9.5	8.0	12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.058 ppbv

RT: 5.05 min Scan# 704

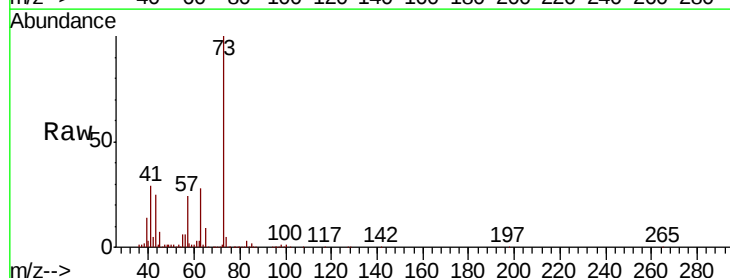
Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

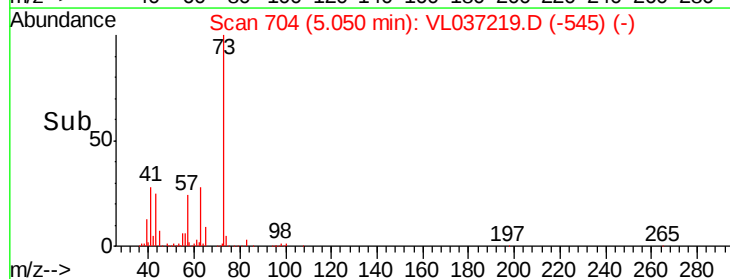
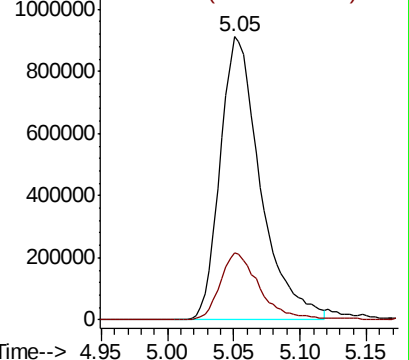
Tgt Ion: 73 Resp: 1932798

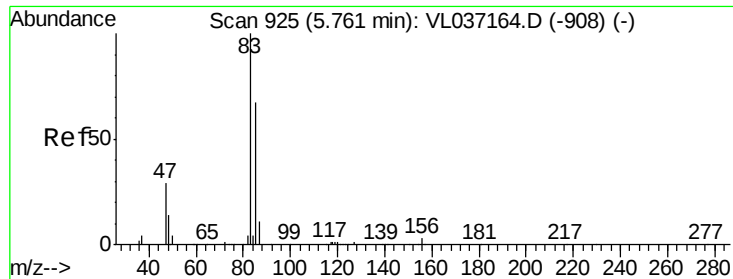
Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.0	27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

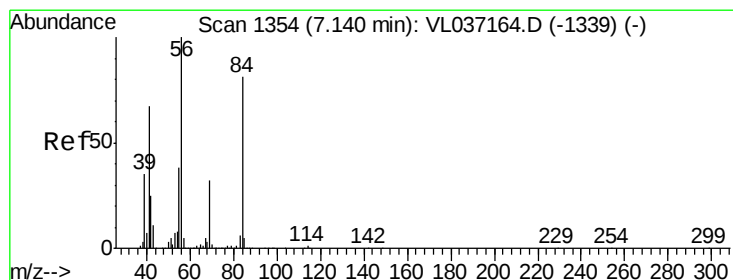
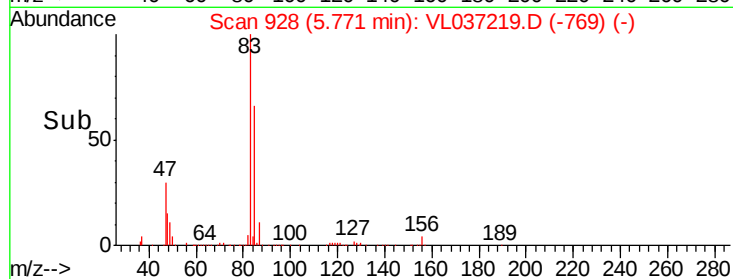
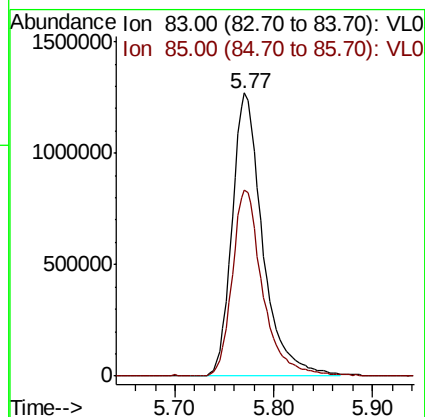
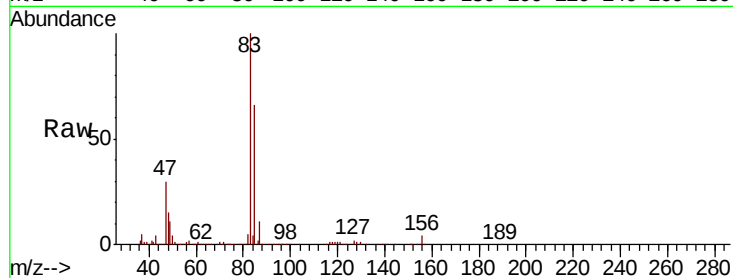




#29
Chloroform
Concen: 8.922 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

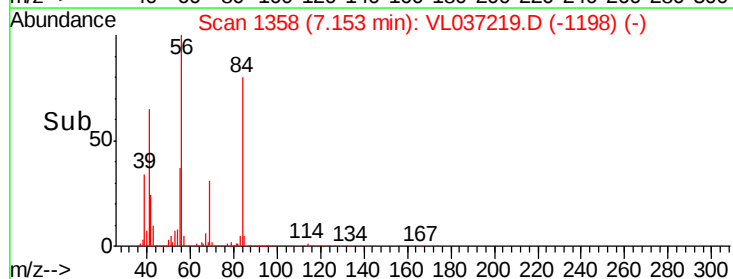
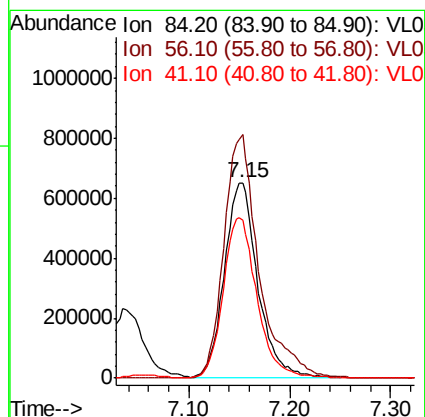
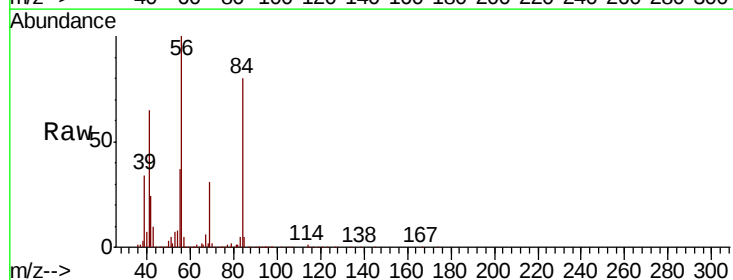
Instrument :
MSVOA_L
ClientSampled :

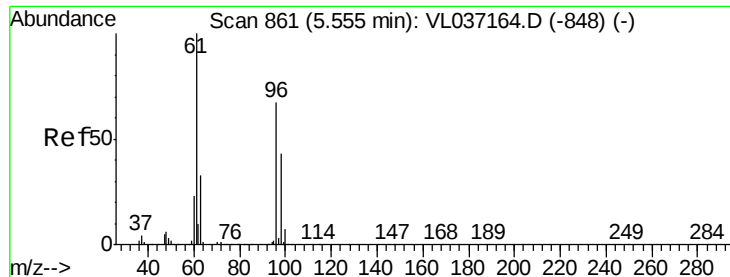
Tot Ion: 83 Resp: 2749630
Ion Ratio Lower Upper
83 100
85 65.8 53.6 80.4



#30
Cyclohexane
Concen: 9.083 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 84 Resp: 1509912
Ion Ratio Lower Upper
84 100
56 131.4 107.7 161.5
41 83.2 69.0 103.6



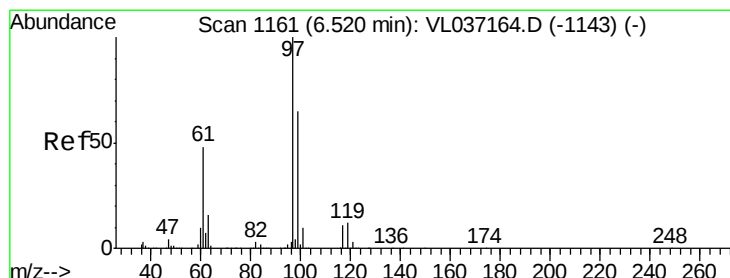
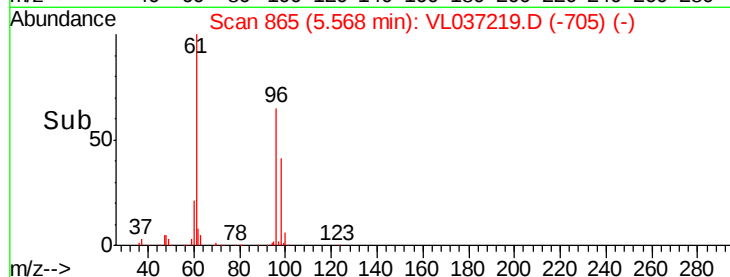
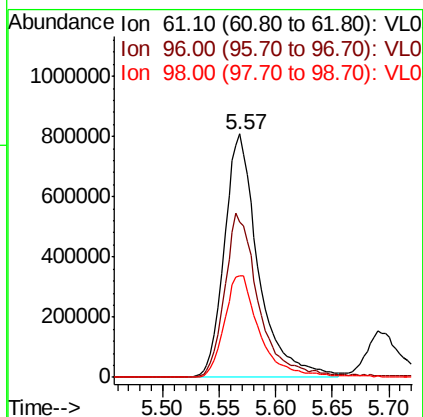
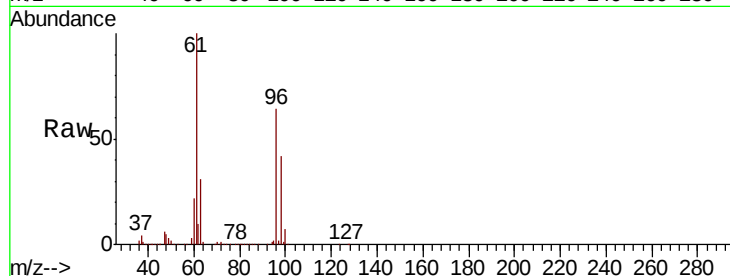


#31
 cis-1,2-Dichloroethene
 Concen: 9.158 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1678927

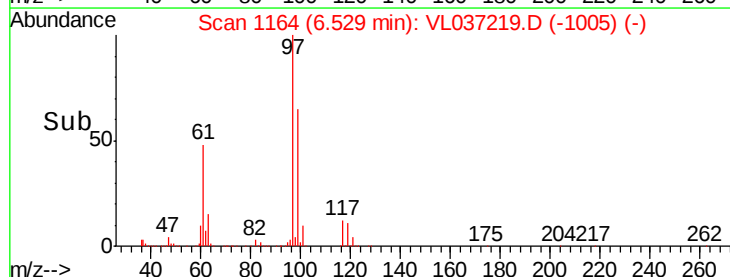
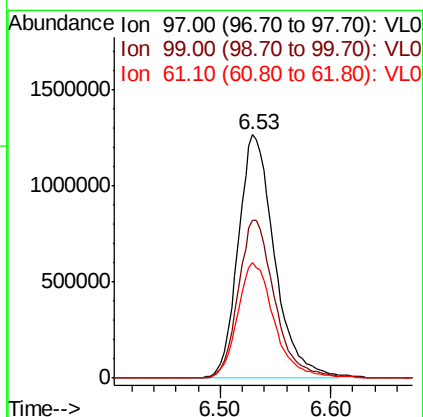
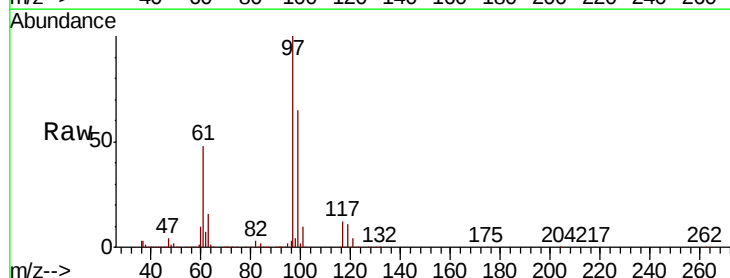
Ion	Ratio	Lower	Upper
61	100		
96	64.0	53.6	80.4
98	41.8	34.7	52.1

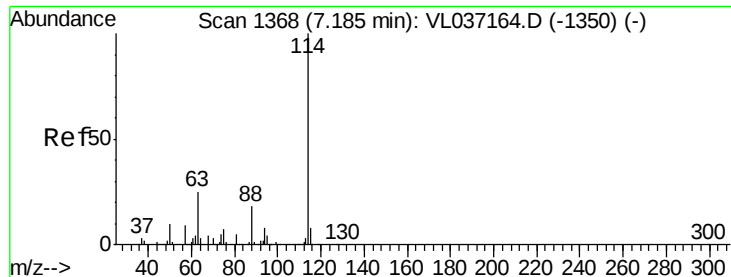


#32
 1,1,1-Trichloroethane
 Concen: 8.738 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 97 Resp: 2881857

Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.2	78.4
61	48.1	38.8	58.2

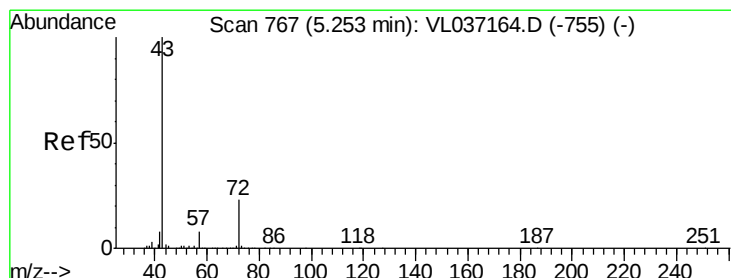
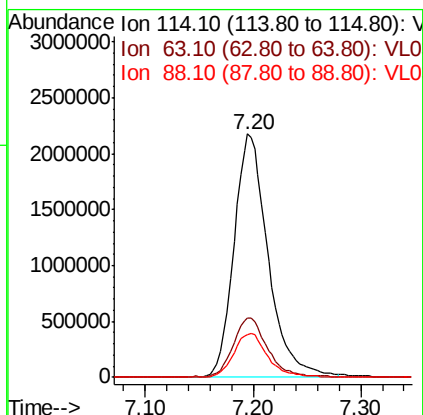
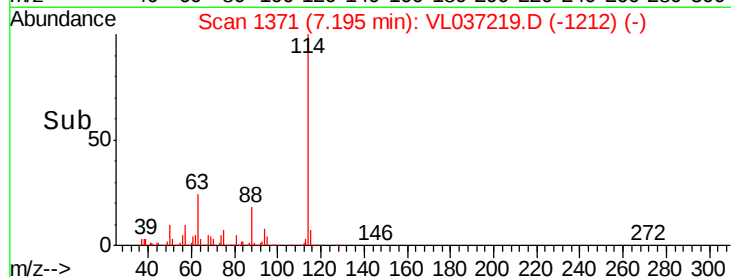
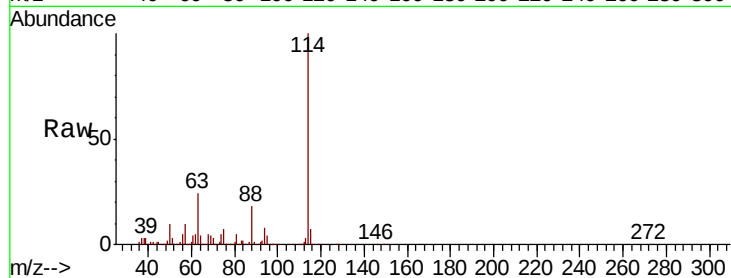




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

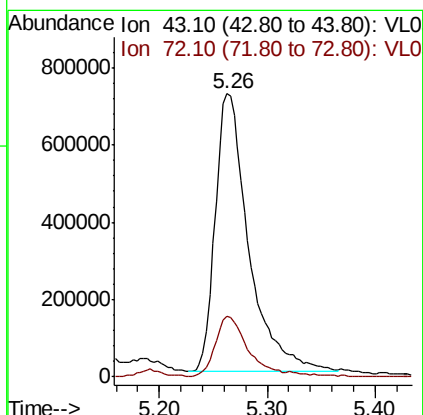
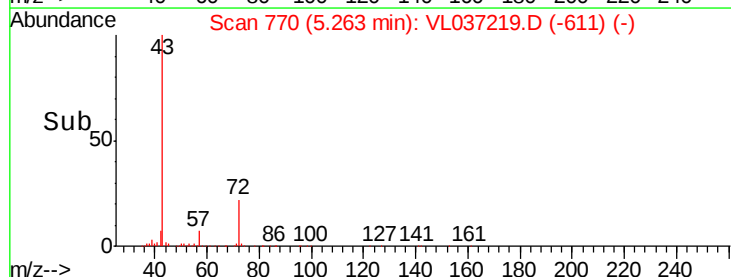
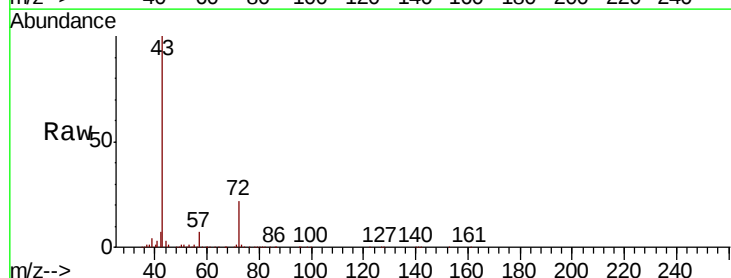
Instrument :
 MSVOA_L
 ClientSampleId :

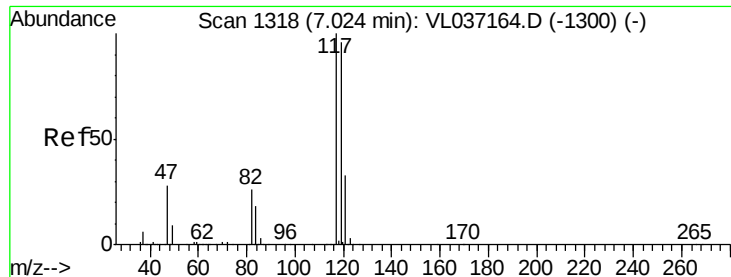
Tot Ion:114 Resp: 4800922
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.6 29.4
 88 18.3 14.2 21.2



#34
 2-Butanone
 Concen: 8.353 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 43 Resp: 1559557
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.9 28.3





#35

Carbon Tetrachloride

Concen: 9.595 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

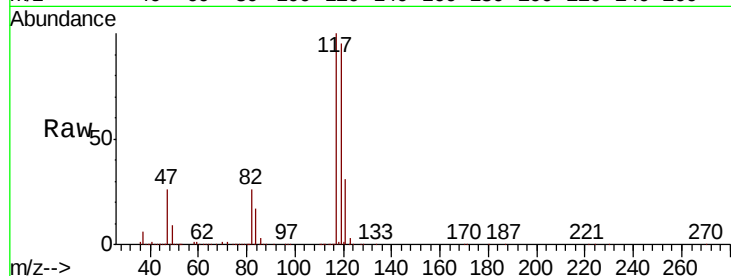
Tot Ion:117 Resp: 3089749

Ion Ratio Lower Upper

117 100

119 95.5 76.6 114.8

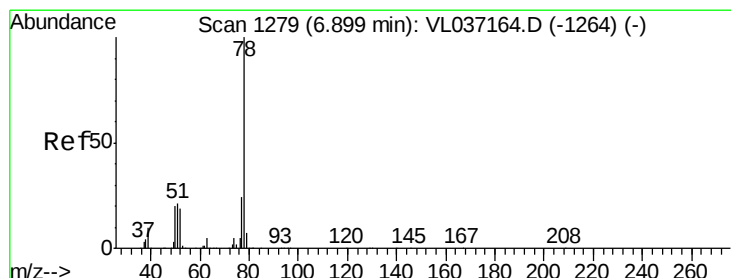
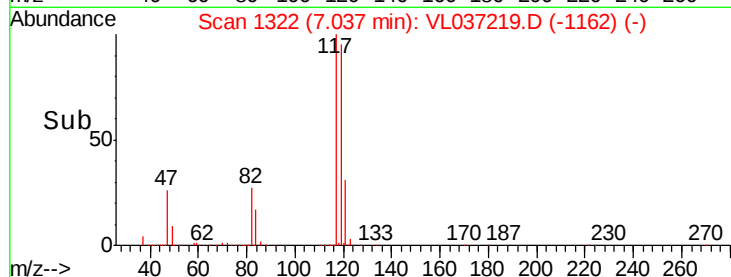
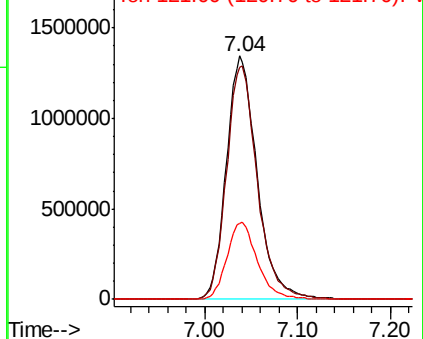
121 30.9 26.4 39.6



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: 8.973 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

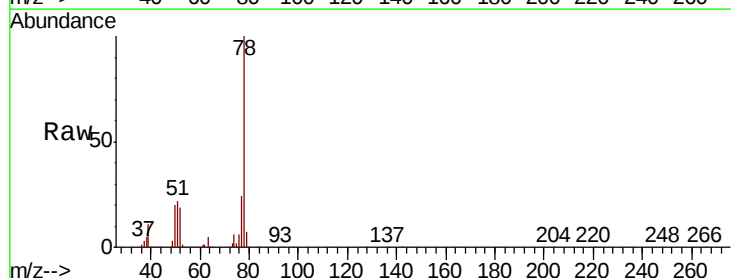
Tgt Ion: 78 Resp: 3483613

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

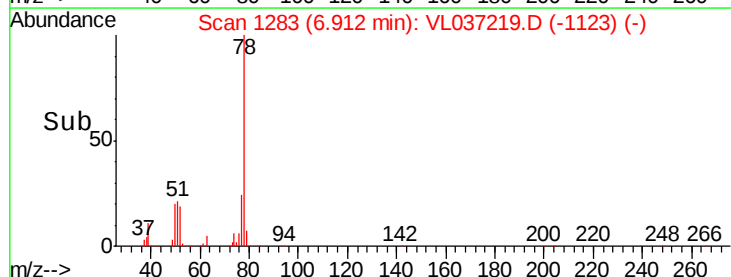
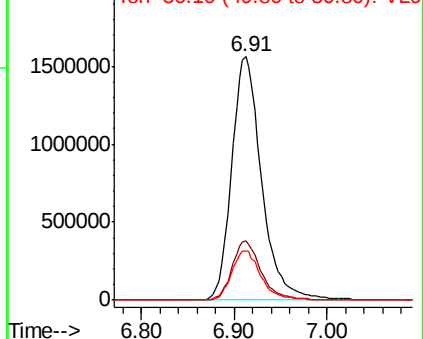
50 20.4 15.7 23.5

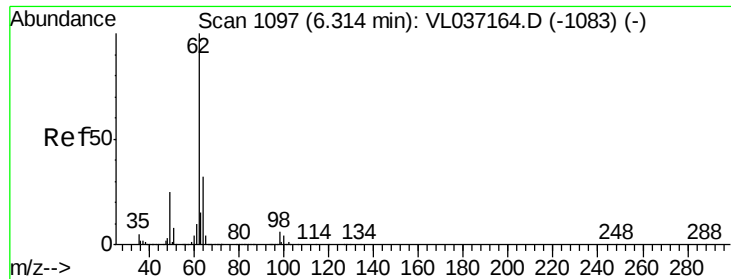


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

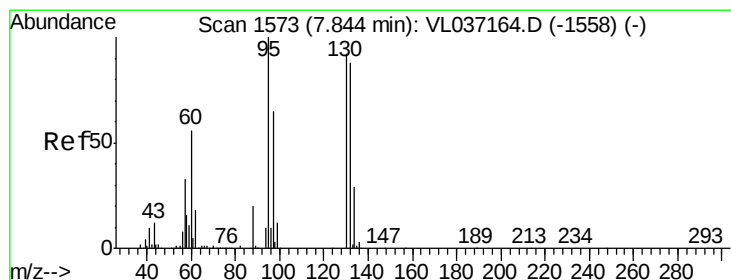
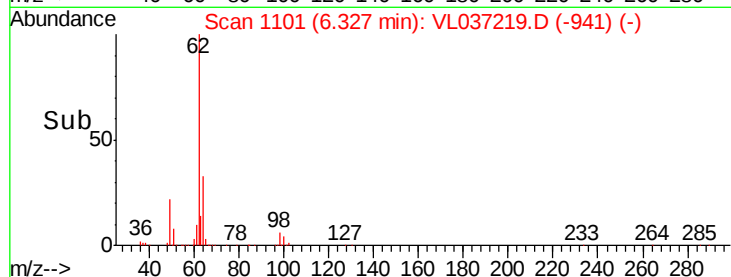
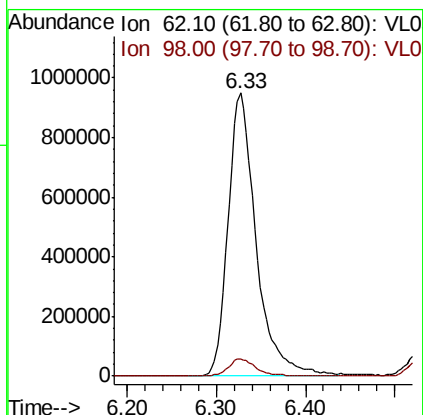
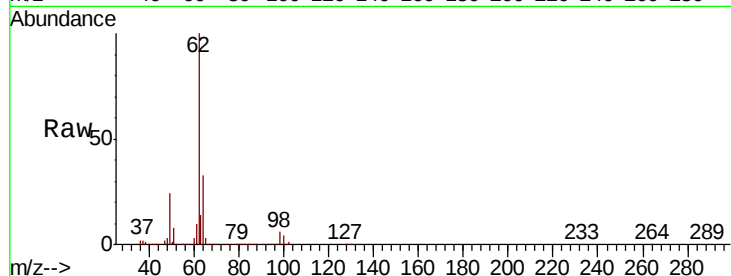




#37
 1,2-Dichloroethane
 Concen: 9.203 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

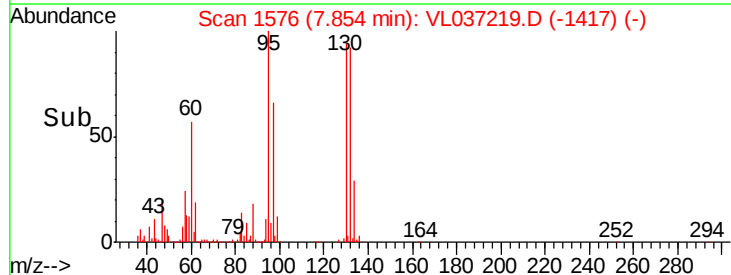
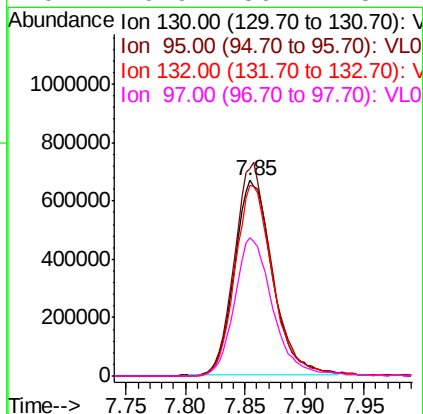
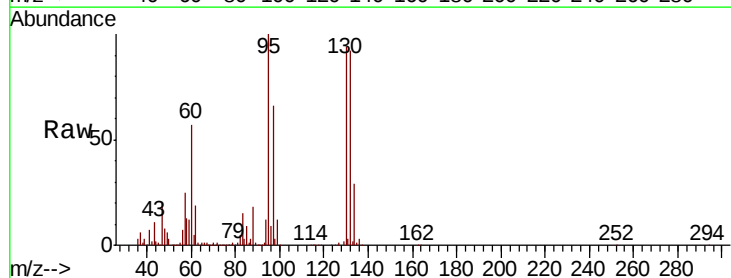
Instrument :
 MSVOA_L
 ClientSampleId :

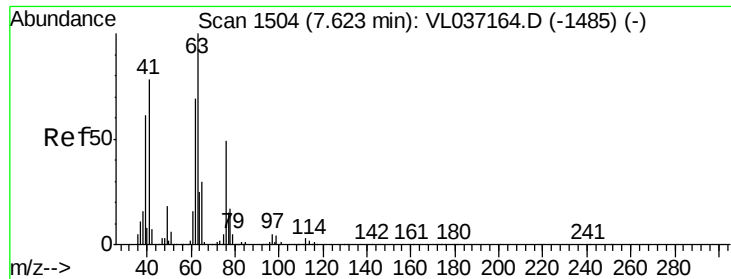
Tot Ion: 62 Resp: 2075485
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.0 7.6



#38
 Trichloroethene
 Concen: 8.001 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion:130 Resp: 1476542
 Ion Ratio Lower Upper
 130 100
 95 106.8 86.6 129.8
 132 98.3 76.6 114.8
 97 70.9 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.291 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

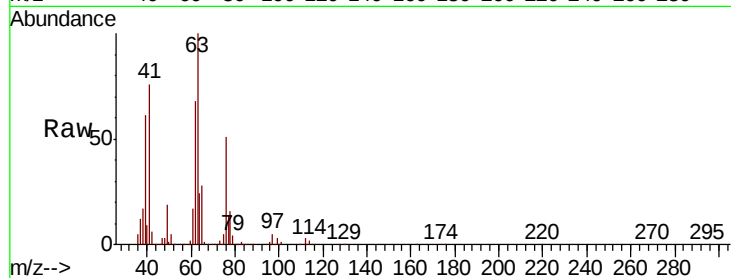
Tot Ion: 63 Resp: 1340327

Ion Ratio Lower Upper

63 100

41 76.0 62.0 93.0

62 67.8 54.9 82.3

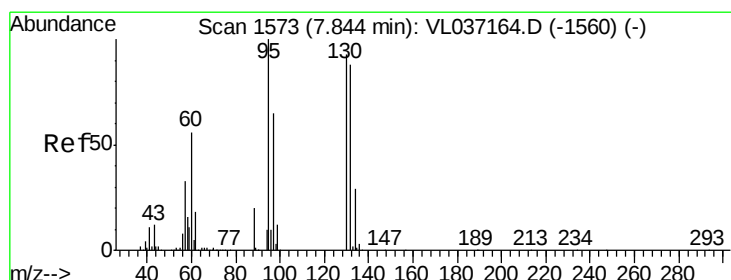
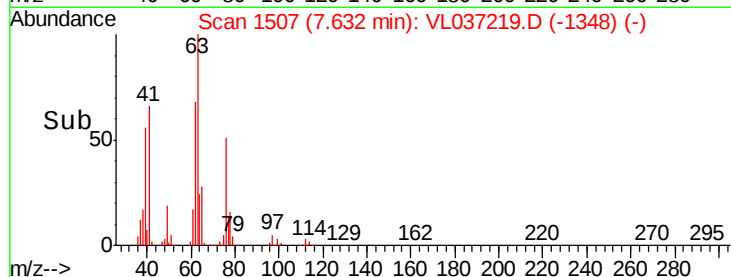
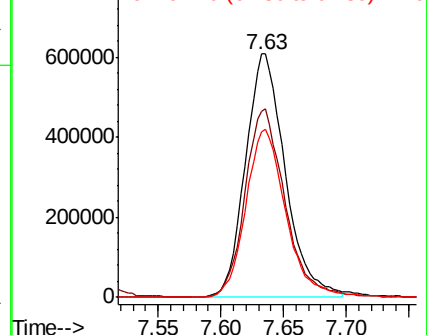


Abundance

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: 8.101 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tgt Ion: 88 Resp: 320468

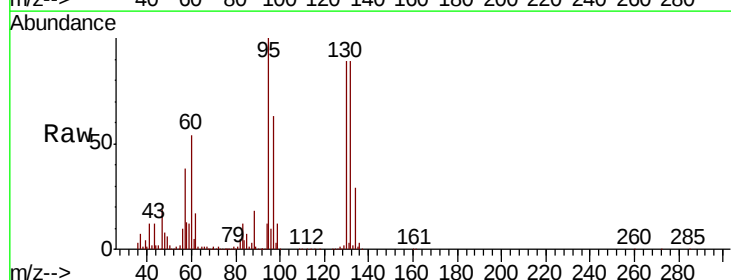
Ion Ratio Lower Upper

88 100

58 158.1 118.4 177.6

43 414.1 284.0 426.0

57 1804.5 1231.8 1847.6



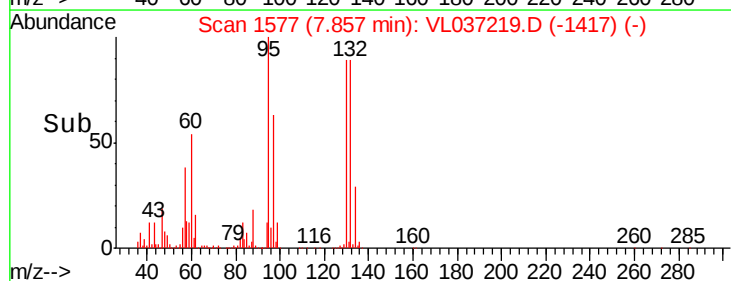
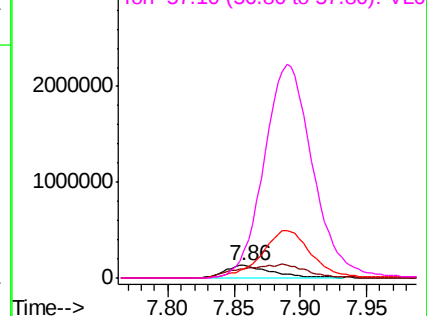
Abundance

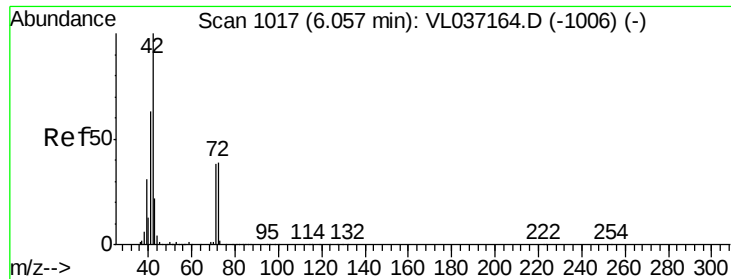
Ion 88.10 (87.80 to 88.80): VL0

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

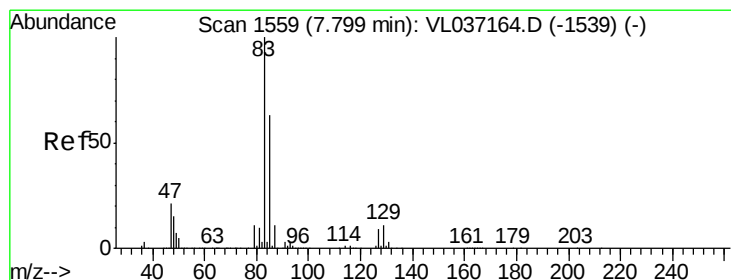
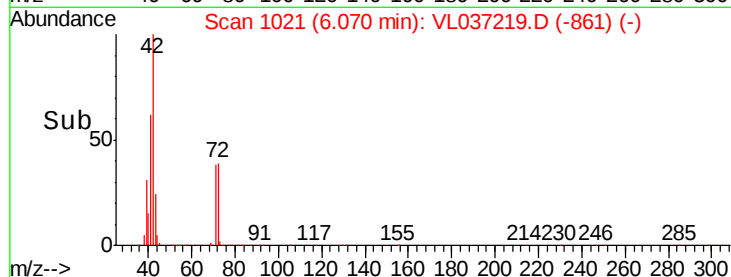
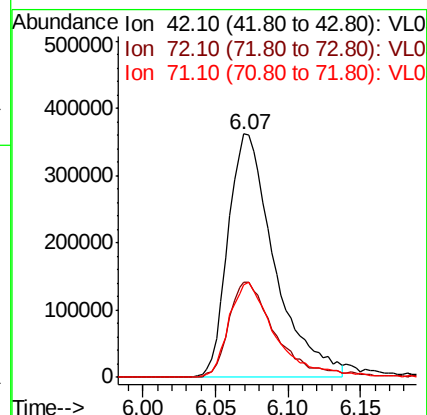
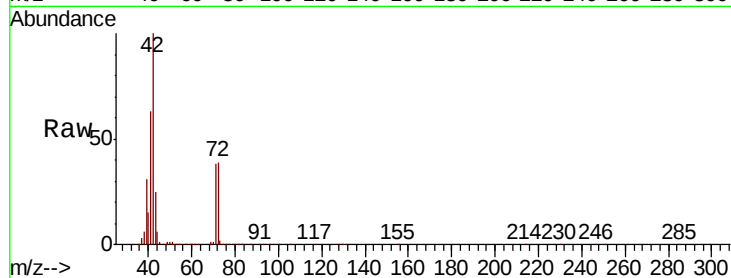




#41
Tetrahydrofuran
Concen: 9.273 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

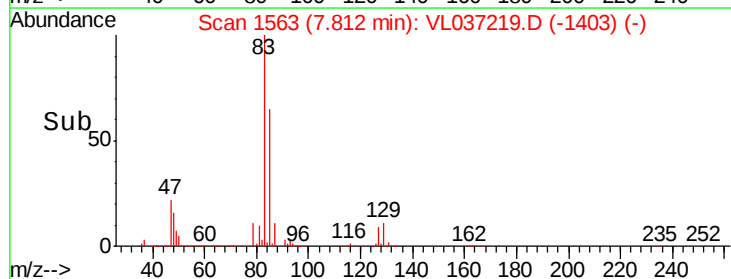
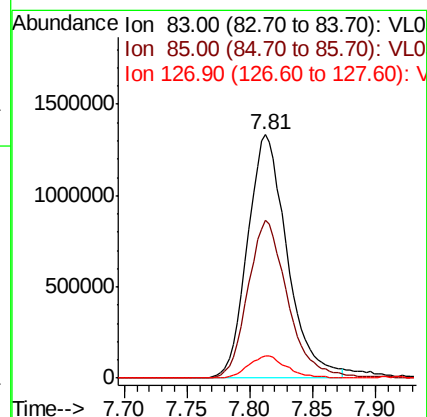
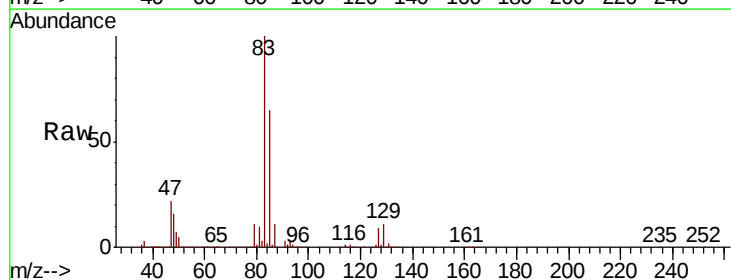
Instrument :
MSVOA_L
ClientSampleId :

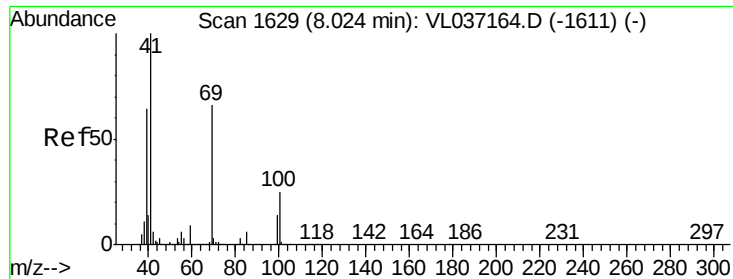
Tot Ion: 42 Resp: 804188
Ion Ratio Lower Upper
42 100
72 40.7 33.0 49.4
71 39.8 31.0 46.6



#42
Bromodichloromethane
Concen: 9.446 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 83 Resp: 2938970
Ion Ratio Lower Upper
83 100
85 64.9 50.8 76.2
127 8.9 7.0 10.6





#43

Methvl Methacrvlate

Concen: 9.466 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.01 min

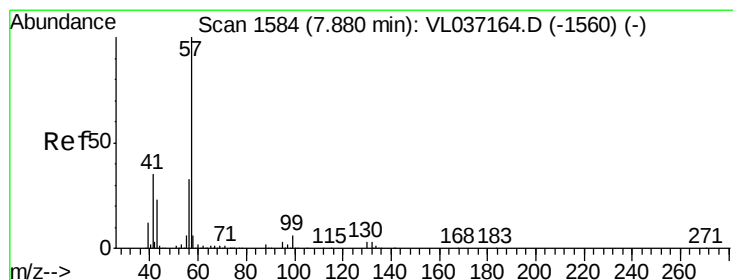
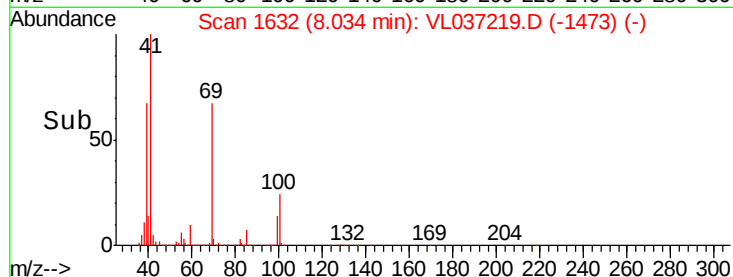
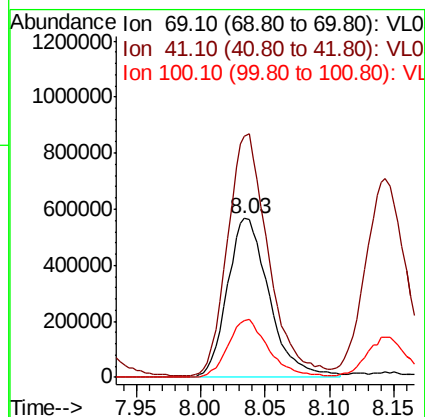
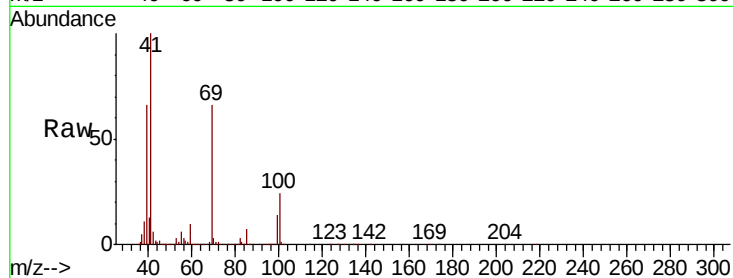
Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1269189

Ion	Ratio	Lower	Upper
69	100		
41	150.5	119.4	179.0
100	35.7	28.6	43.0



#44

2,2,4-Trimethylpentane

Concen: 8.838 ppbv

RT: 7.89 min Scan# 1587

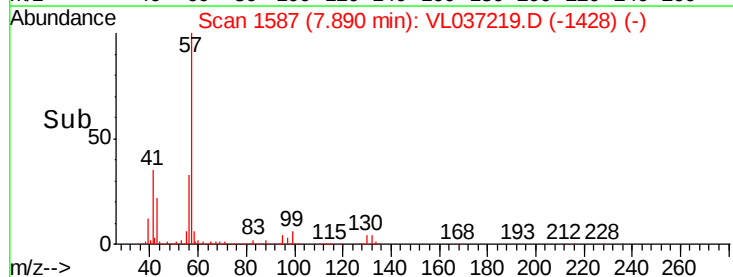
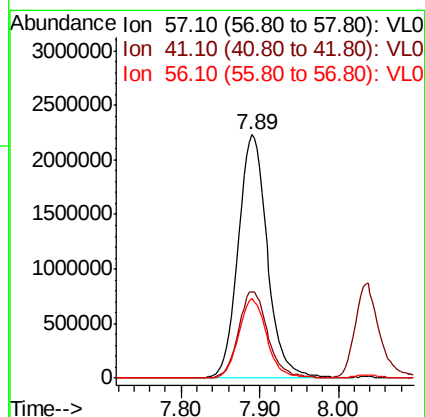
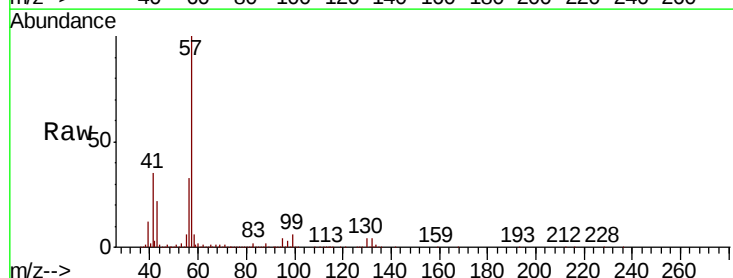
Delta R.T. 0.01 min

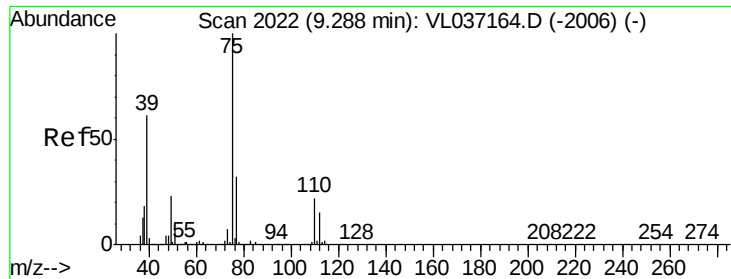
Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tgt Ion: 57 Resp: 5777443

Ion	Ratio	Lower	Upper
57	100		
41	35.6	27.6	41.4
56	31.5	25.3	37.9

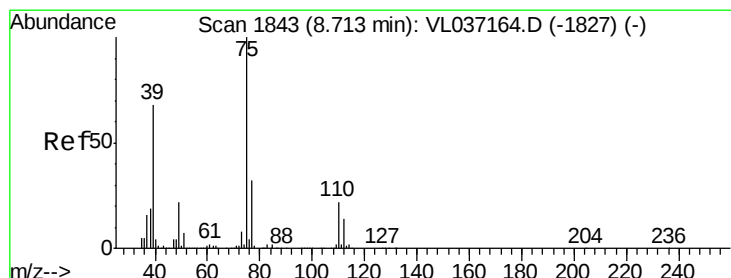
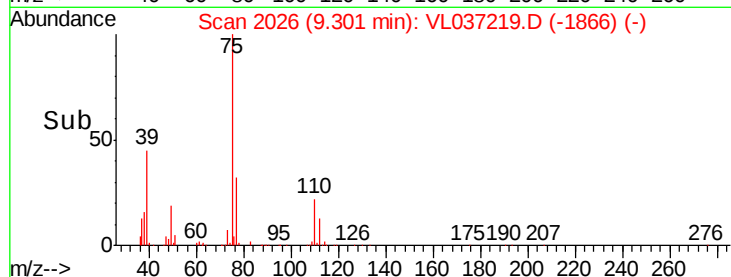
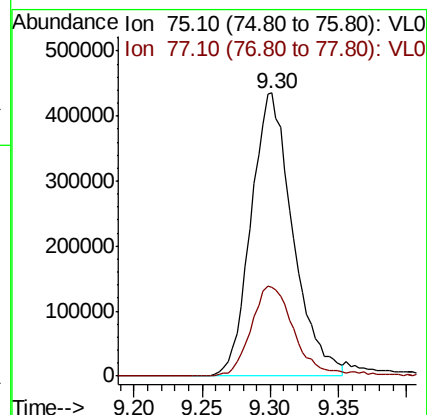
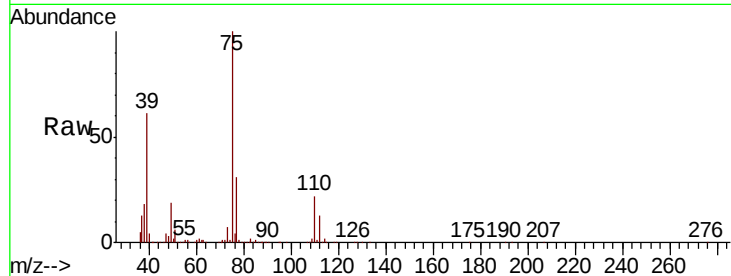




#45
 t-1,3-Dichloropropene
 Concen: 7.817 ppbv
 RT: 9.30 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

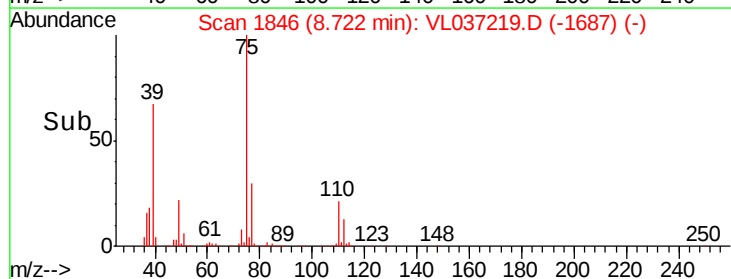
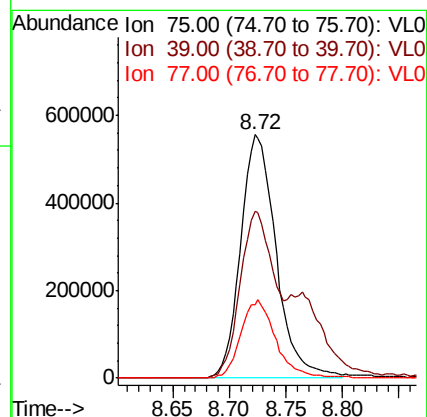
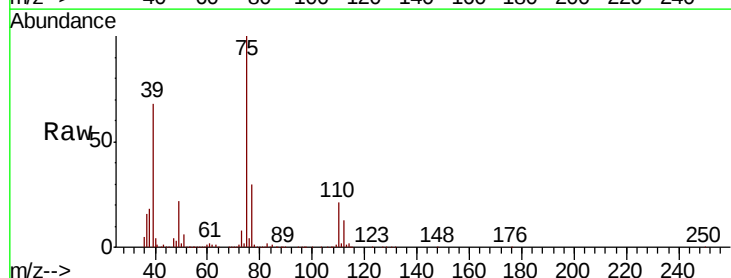
Instrument :
 MSVOA_L
 ClientSampleId :

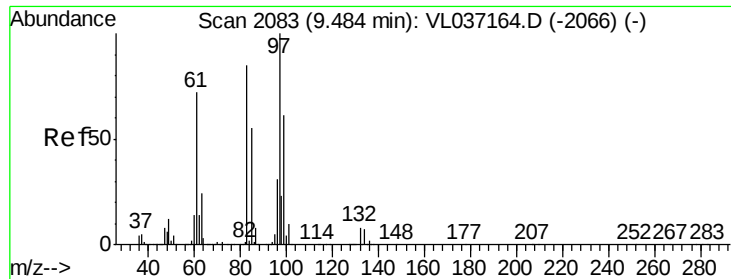
Tot Ion: 75 Resp: 924680
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 7.512 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 75 Resp: 1215490
 Ion Ratio Lower Upper
 75 100
 39 68.4 54.7 82.1
 77 30.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.069 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 97 Resp: 1492489

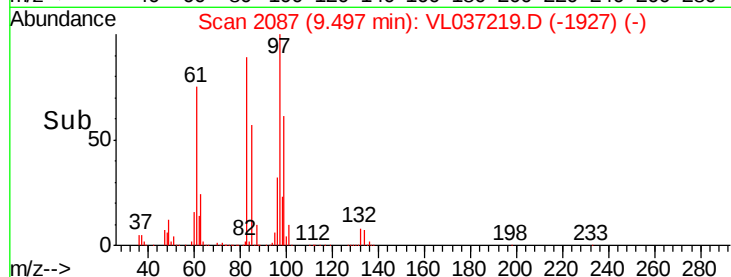
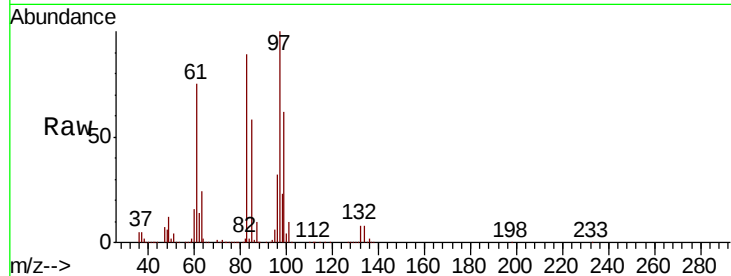
Ion Ratio Lower Upper

97 100

83 89.2 68.3 102.5

85 57.5 44.1 66.1

99 61.5 48.6 72.8

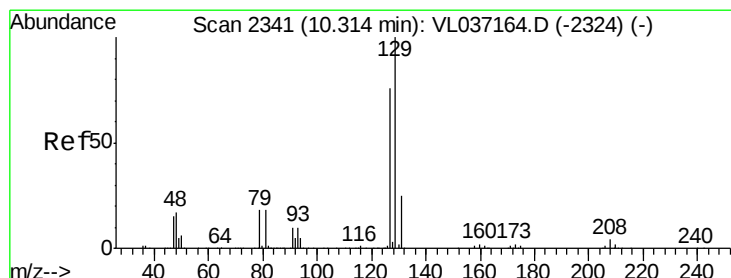
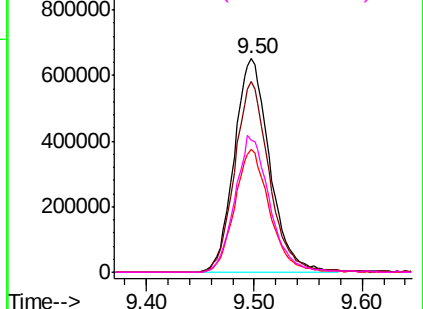


Abundance Ion 97.00 (96.70 to 97.70): VL0

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



#48

Dibromochloromethane

Concen: 10.394 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. 0.01 min

Lab File: VL037219.D

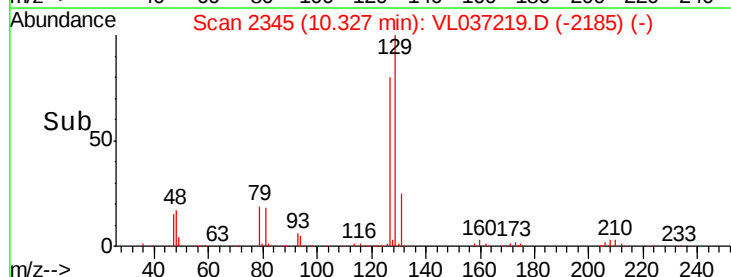
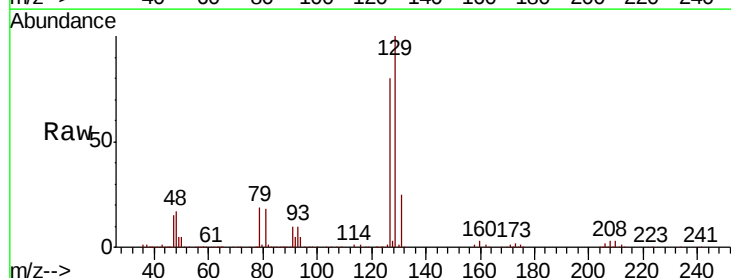
Acq: 22 Jun 2021 16:33

Tgt Ion: 129 Resp: 2700274

Ion Ratio Lower Upper

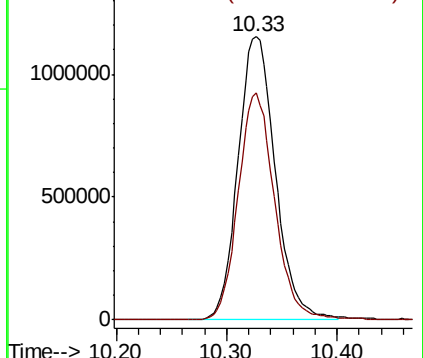
129 100

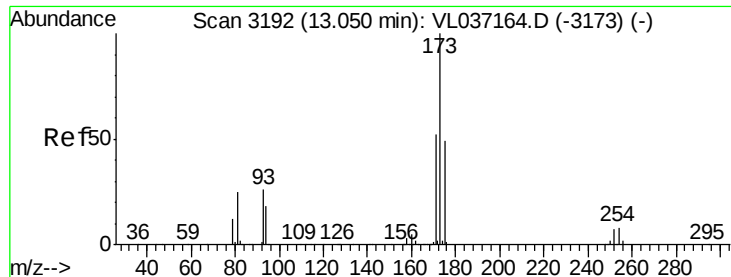
127 79.0 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.589 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

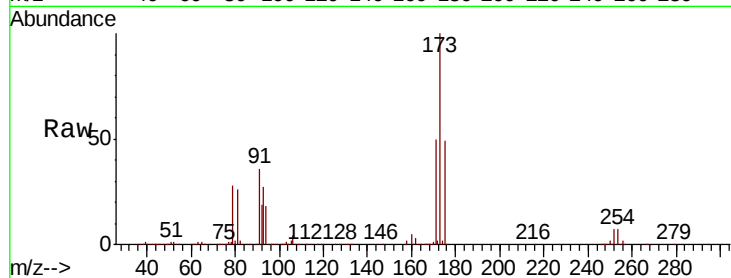
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 2243067

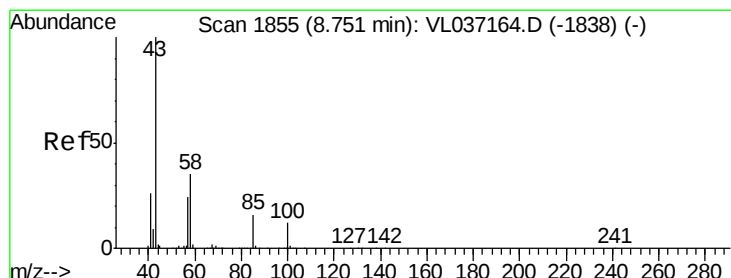
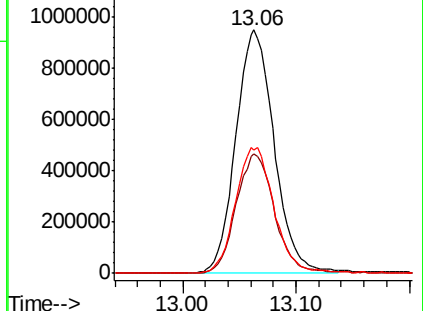
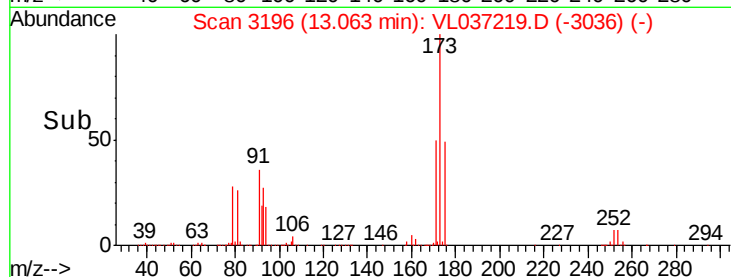
Ion	Ratio	Lower	Upper
173	100		
175	50.0	40.2	60.4
171	52.8	41.8	62.8



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: 9.601 ppbv

RT: 8.76 min Scan# 1859

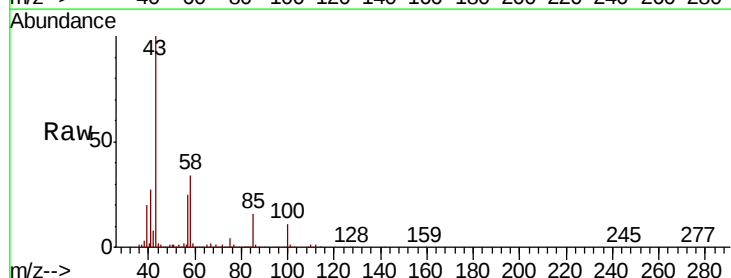
Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

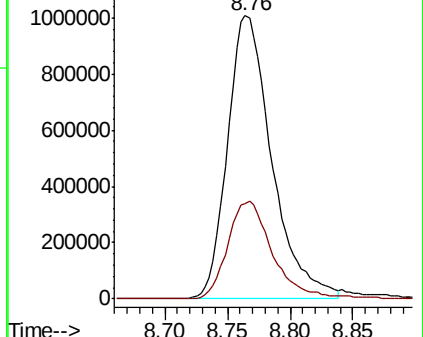
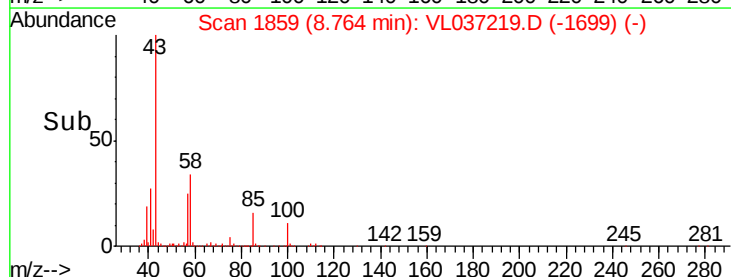
Tgt Ion: 43 Resp: 2462220

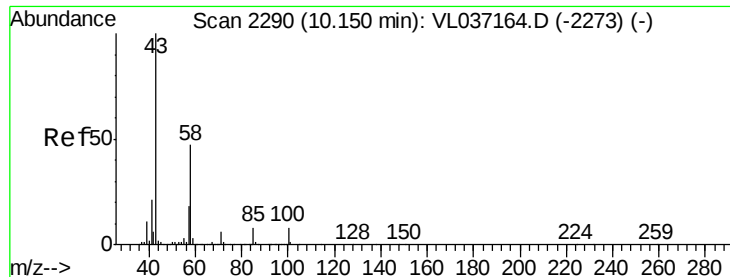
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.4	42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

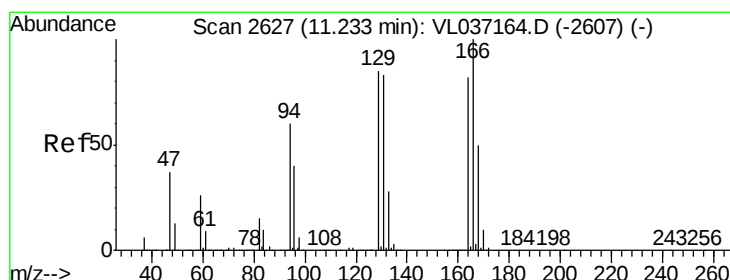
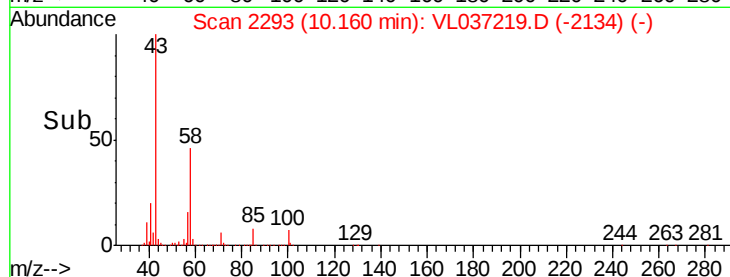
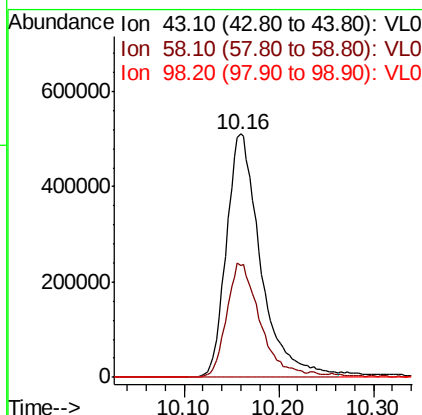
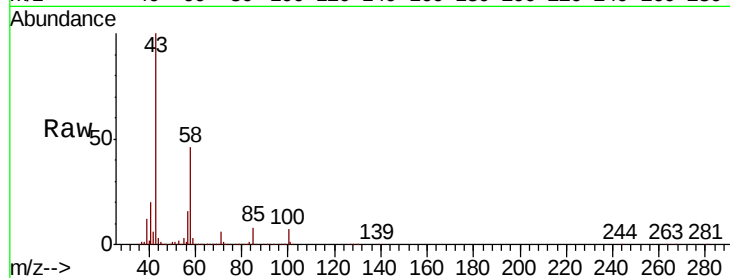




#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

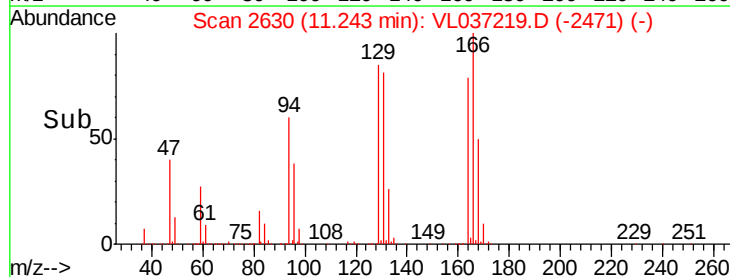
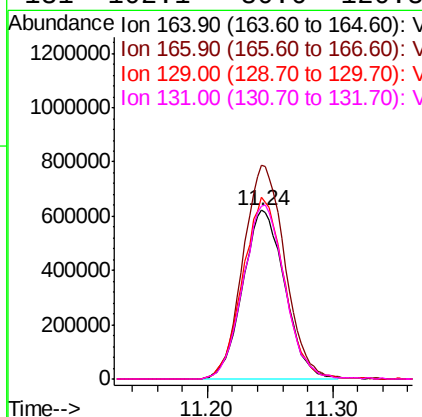
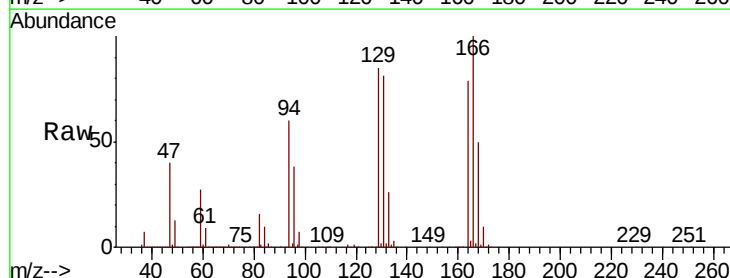
Instrument :
MSVOA_L
ClientSampleId :

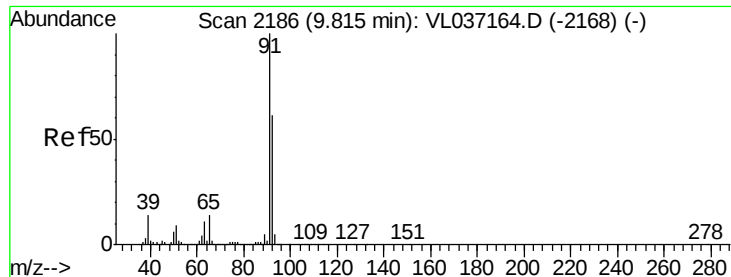
Tot Ion: 43 Resp: 1287158
Ion Ratio Lower Upper
43 100
58 47.5 38.4 57.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 8.021 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 164 Resp: 1446973
Ion Ratio Lower Upper
164 100
166 126.6 97.6 146.4
129 107.4 82.9 124.3
131 102.1 80.6 120.8





#53

Toluene

Concen: 9.079 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

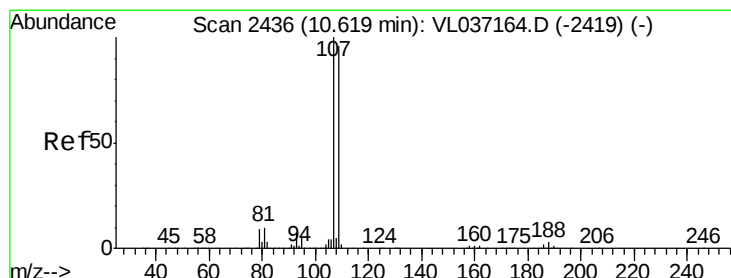
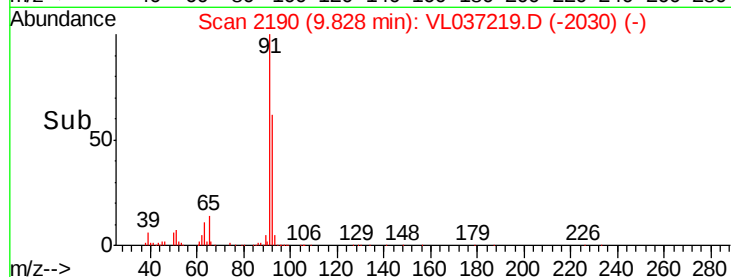
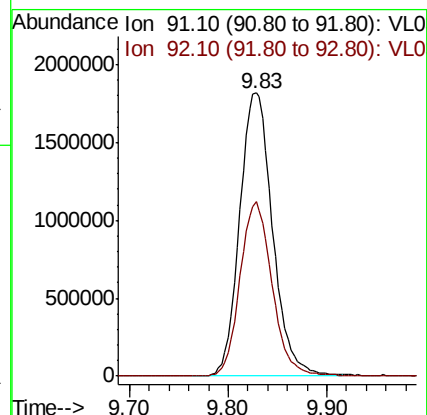
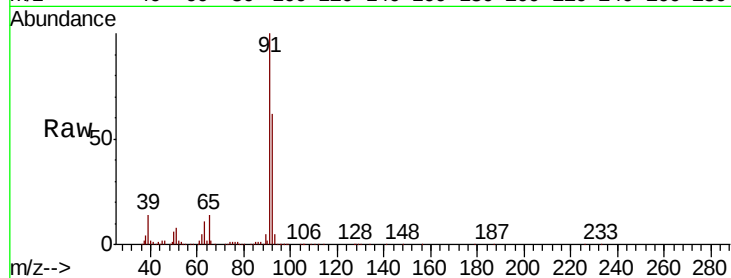
ClientSampleId :

Tot Ion: 91 Resp: 4210298

Ion Ratio Lower Upper

91 100

92 60.3 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.284 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL037219.D

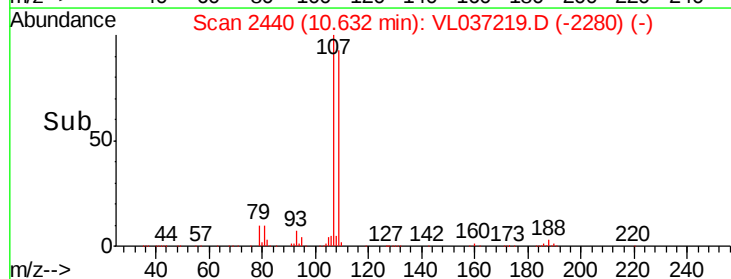
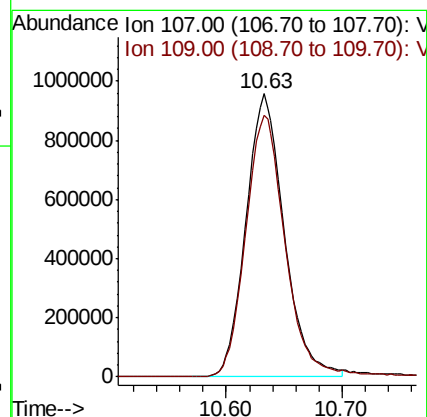
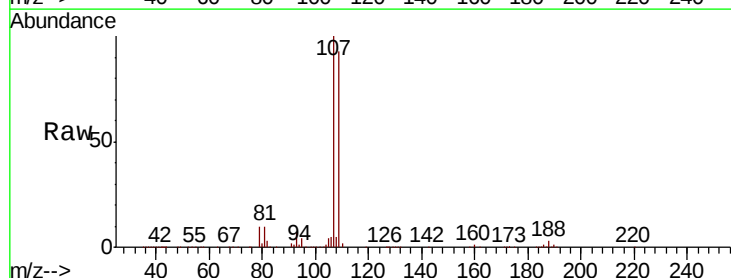
Acq: 22 Jun 2021 16:33

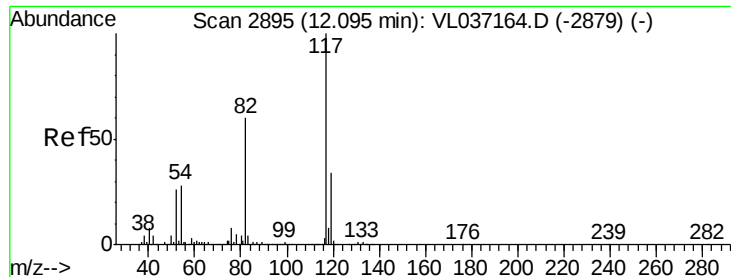
Tgt Ion: 107 Resp: 2195981

Ion Ratio Lower Upper

107 100

109 92.6 77.0 115.6

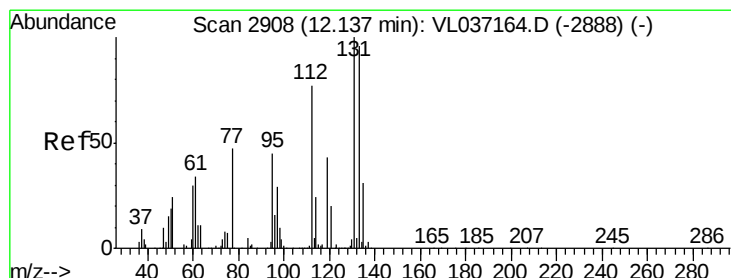
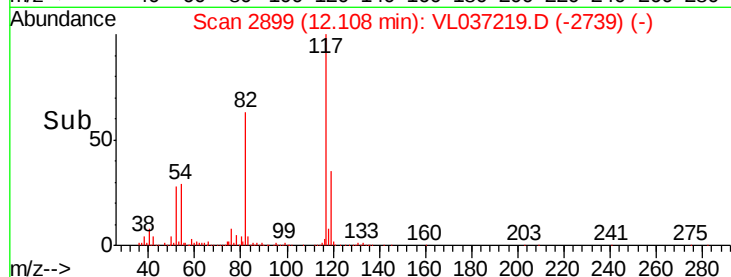
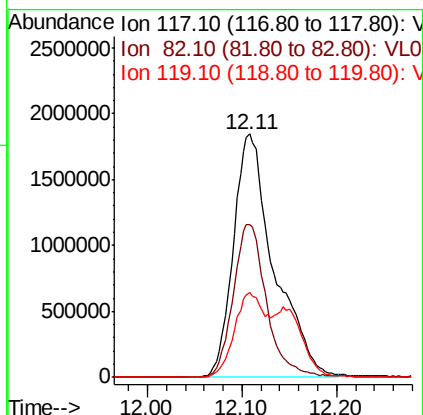
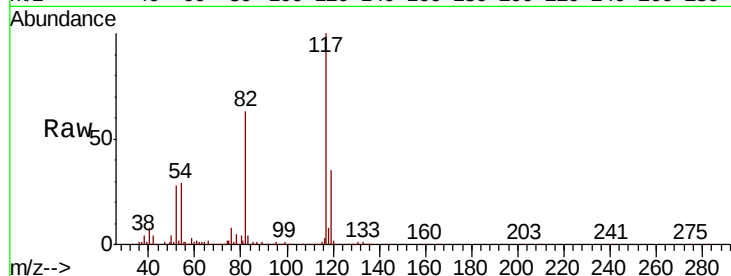




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

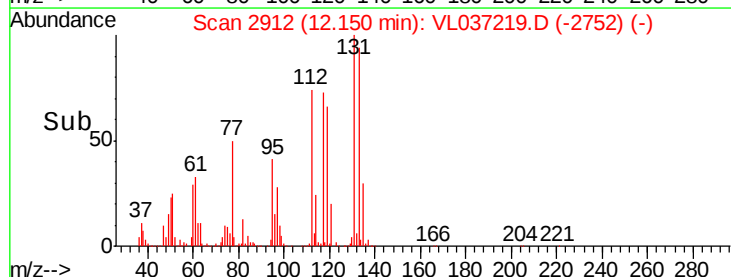
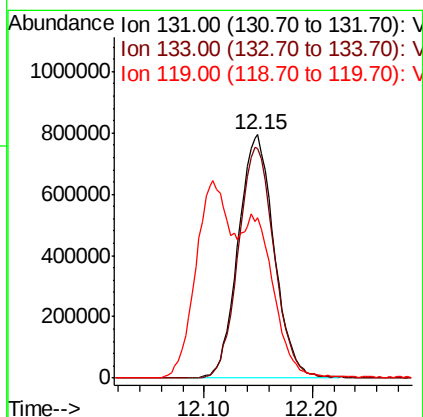
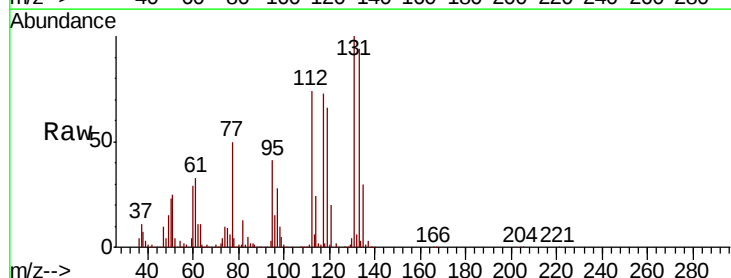
Instrument :
MSVOA_L
ClientSampleId :

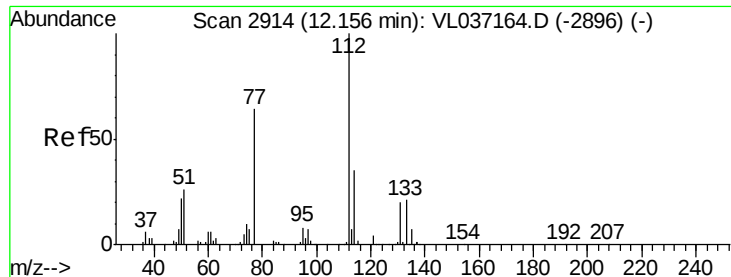
Tot Ion:117 Resp: 5501891
Ion Ratio Lower Upper
117 100
82 52.2 51.7 77.5
119 47.3 47.6 71.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.636 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion:131 Resp: 1836866
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 141.7 48.6 72.8#

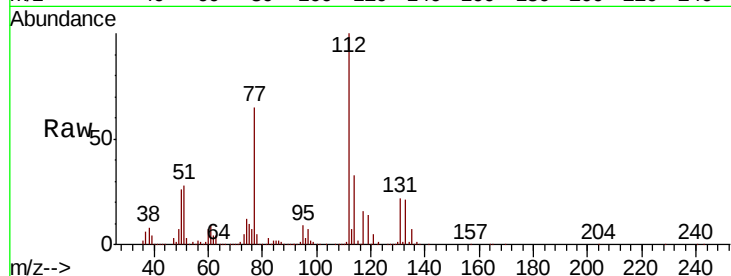




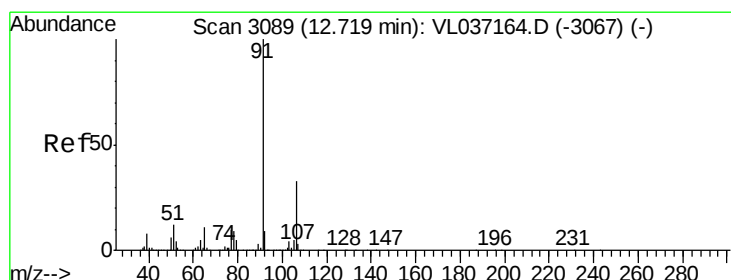
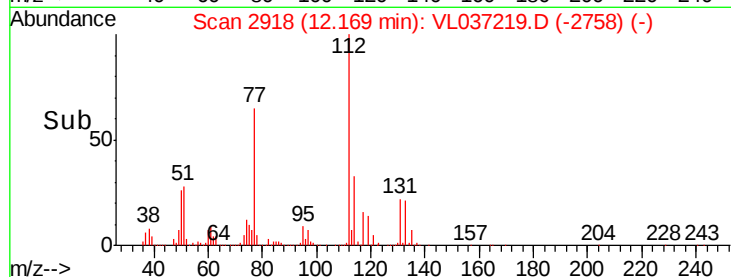
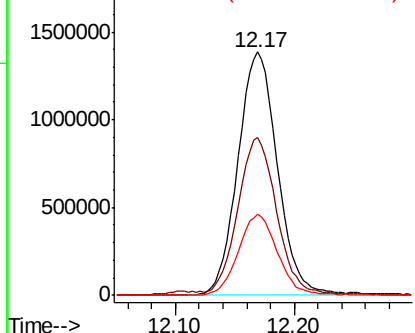
#57
Chlorobenzene
Concen: 7.119 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3176379
Ion Ratio Lower Upper
112 100
77 64.2 52.2 78.4
114 33.1 31.1 38.1

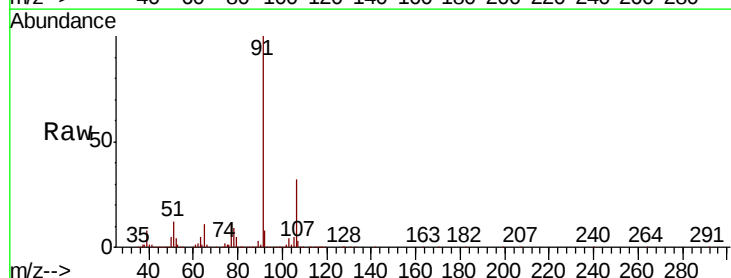


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

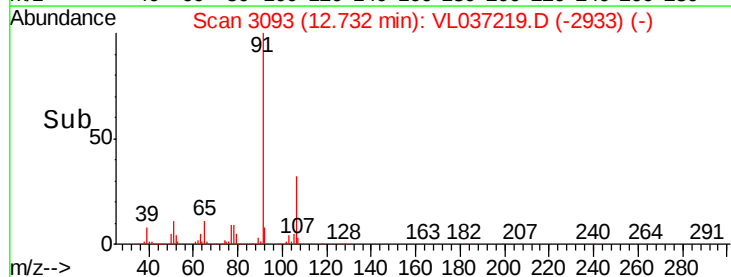
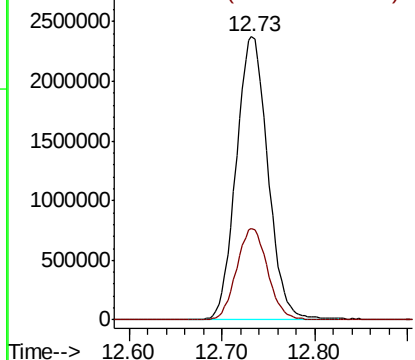


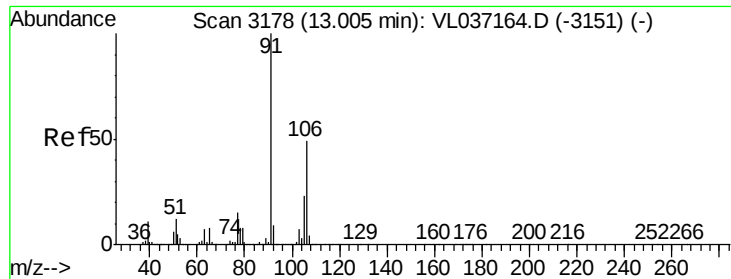
#58
Ethyl Benzene
Concen: 7.434 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 91 Resp: 5630962
Ion Ratio Lower Upper
91 100
106 32.1 26.3 39.5



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

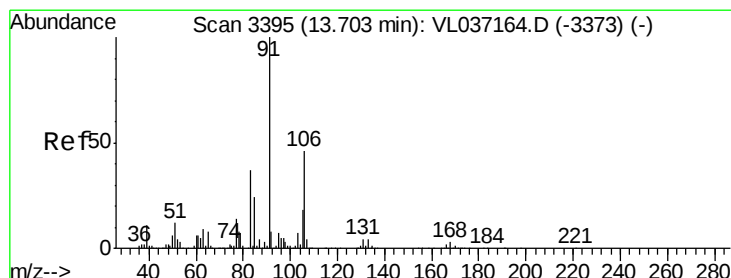
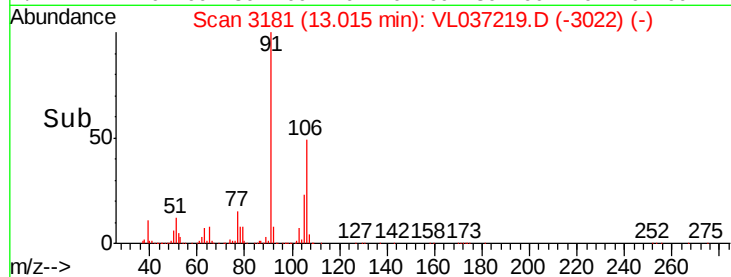
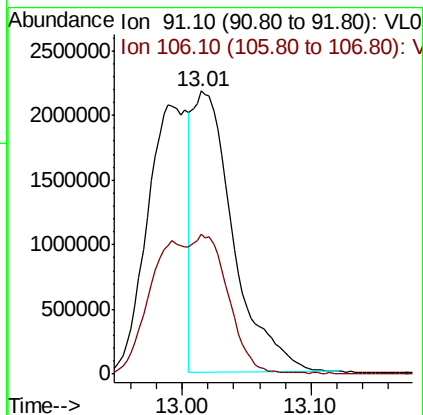
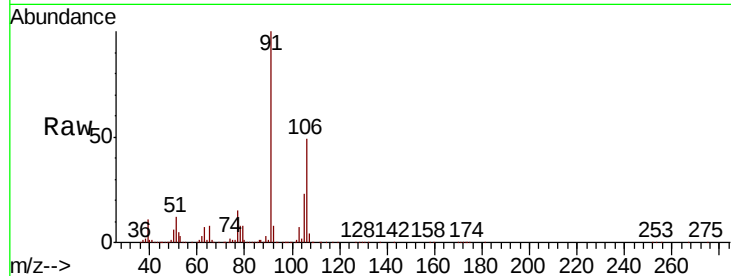




#59
m/p-Xylene
Concen: 7.407 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

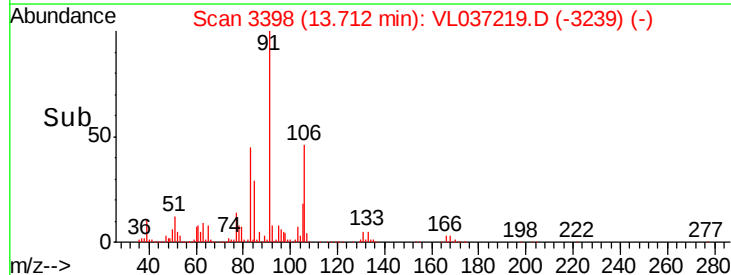
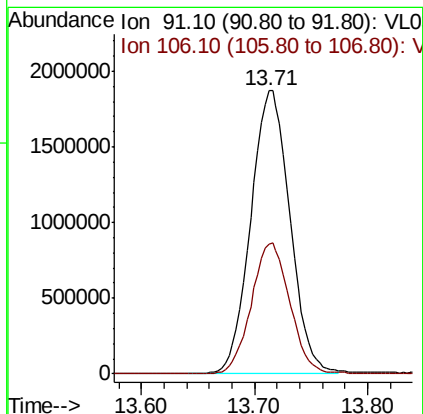
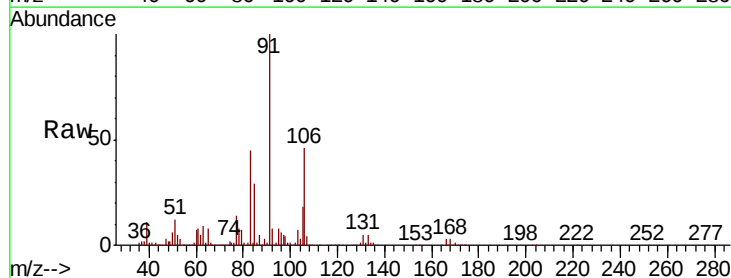
Instrument :
MSVOA_L
ClientSampleId :

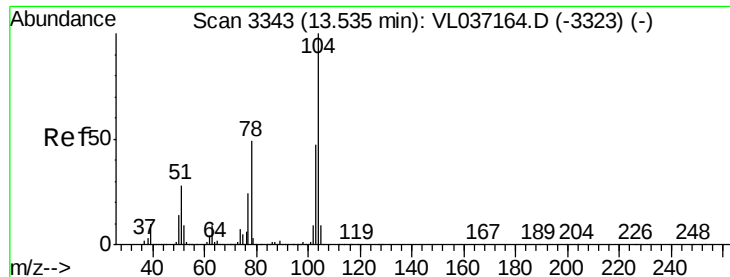
Tot Ion: 91 Resp: 4754239
Ion Ratio Lower Upper
91 100
106 90.2 37.0 55.4#



#60
o-Xylene
Concen: 7.357 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 91 Resp: 4496641
Ion Ratio Lower Upper
91 100
106 45.8 23.0 69.0





#61

Stvrene

Concen: 8.148 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.02 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampled :

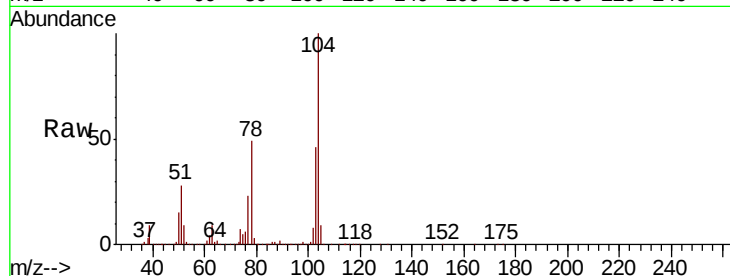
Tot Ion:104 Resp: 2569978

Ion Ratio Lower Upper

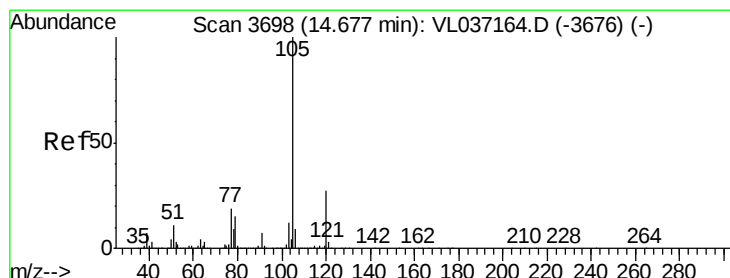
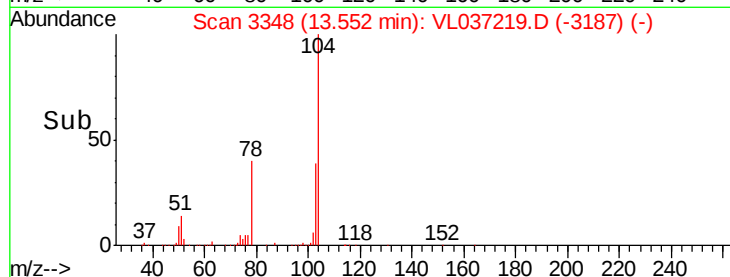
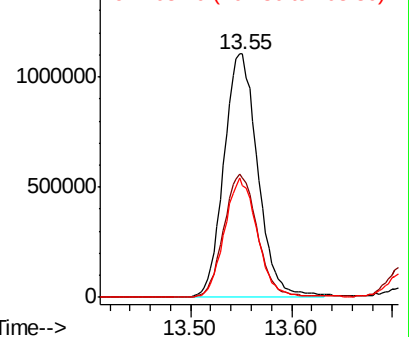
104 100

78 50.5 39.7 59.5

103 47.9 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V
1500000
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.276 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL037219.D

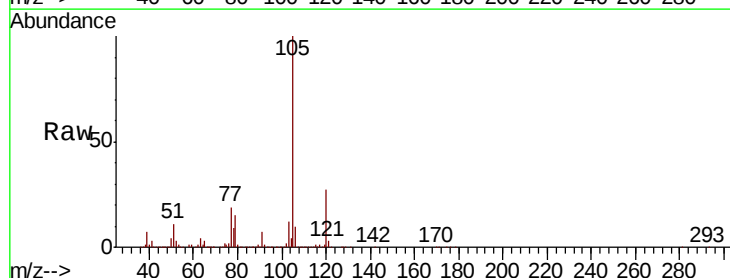
Acq: 22 Jun 2021 16:33

Tgt Ion:105 Resp: 6323760

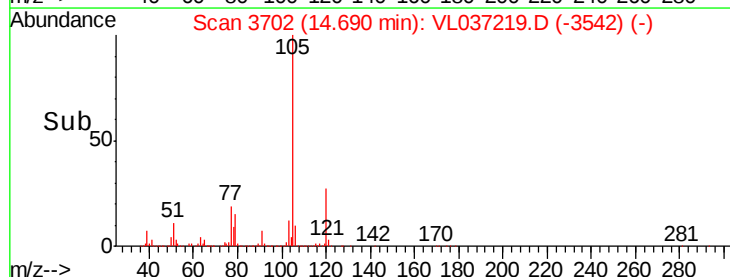
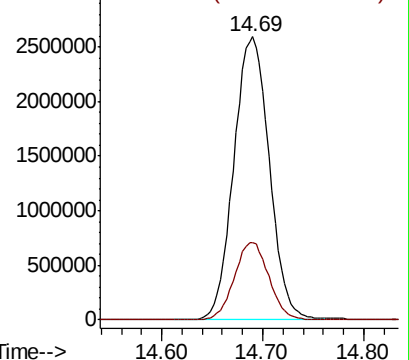
Ion Ratio Lower Upper

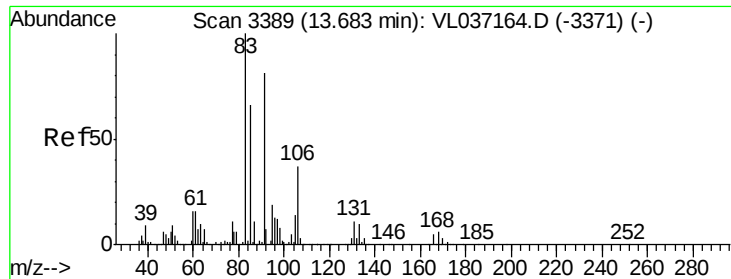
105 100

120 26.8 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V
3000000
Ion 120.20 (119.90 to 120.90): V

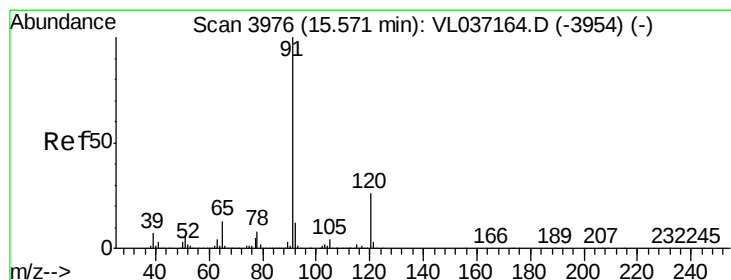
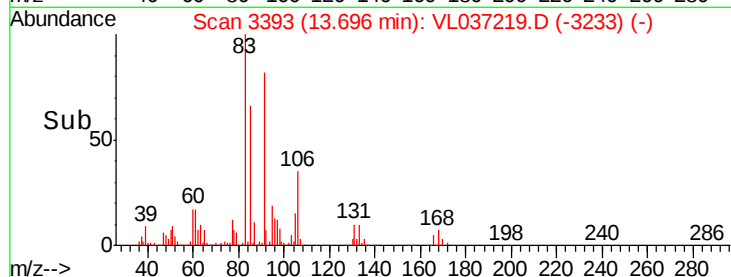
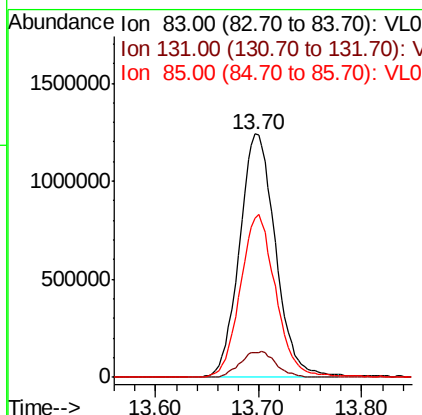
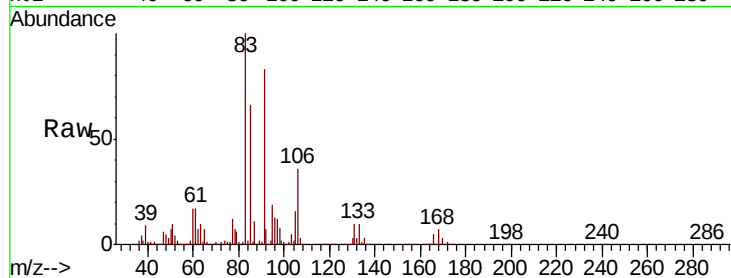




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.391 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

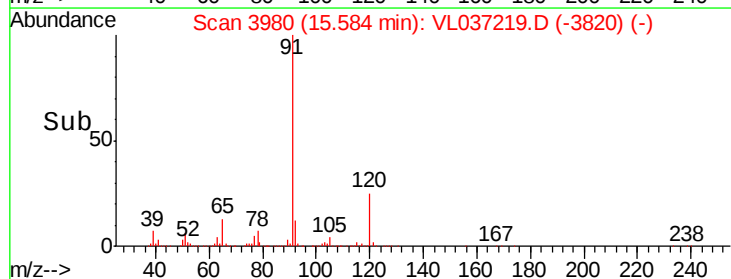
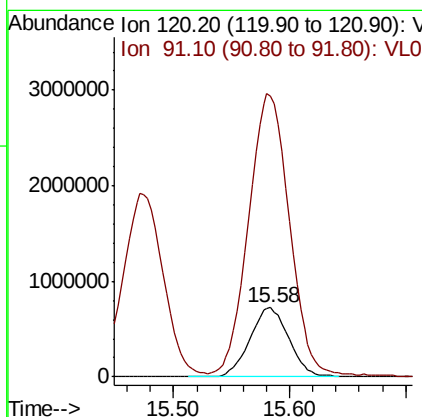
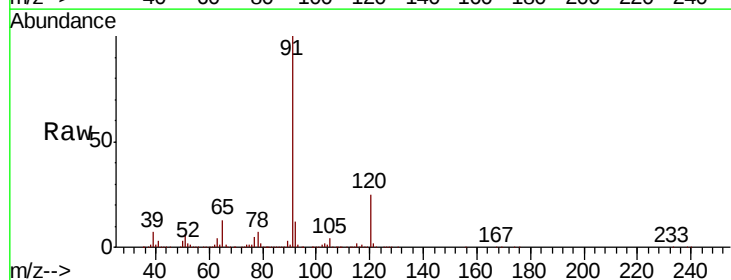
Instrument :
 MSVOA_L
 ClientSampleId :

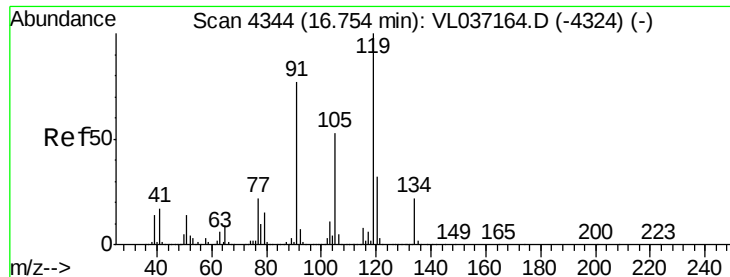
Tot Ion: 83 Resp: 3007552
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 66.6 33.1 99.2



#64
 n-propylbenzene
 Concen: 7.787 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion:120 Resp: 1694827
 Ion Ratio Lower Upper
 120 100
 91 431.5 343.3 514.9

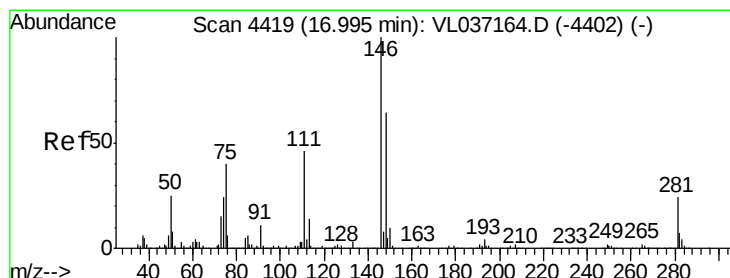
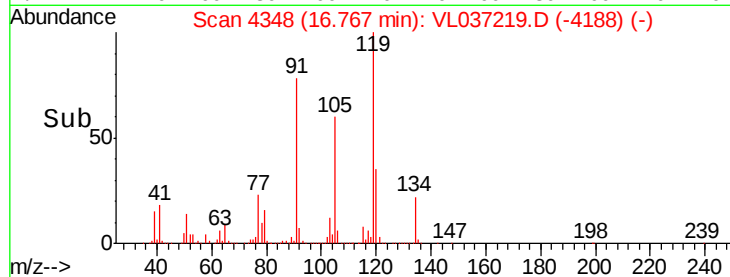
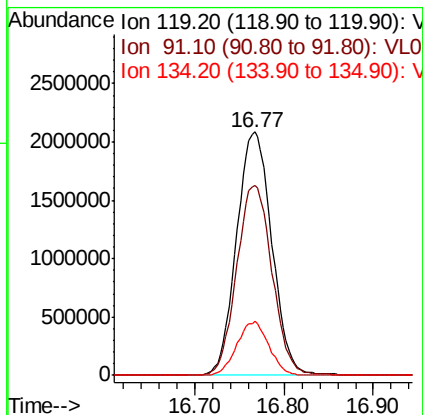
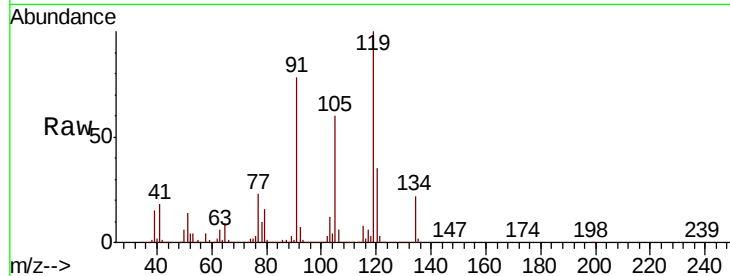




#65
tert-Butylbenzene
Concen: 7.405 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

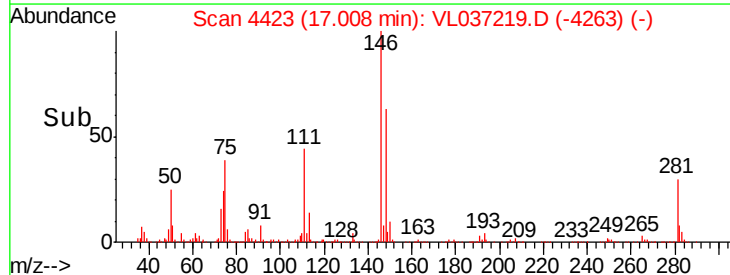
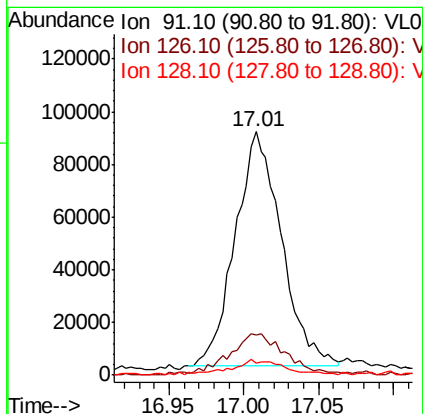
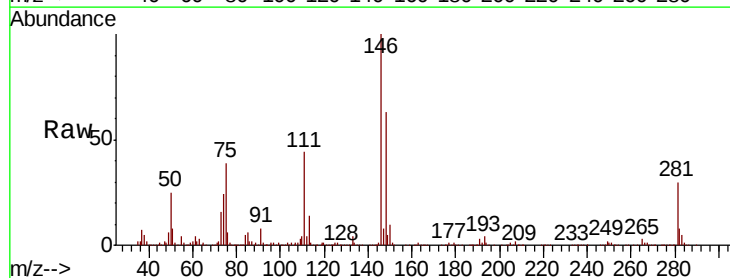
Instrument :
MSVOA_L
ClientSampled :

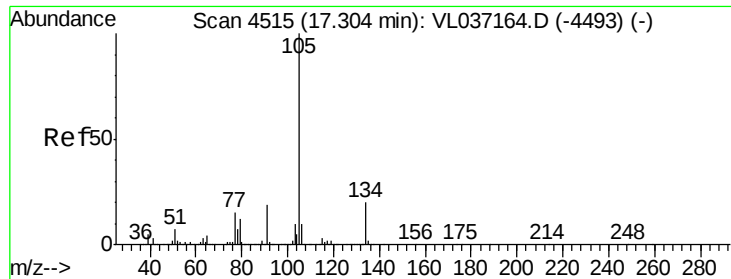
Tot Ion:119 Resp: 5708244
Ion Ratio Lower Upper
119 100
91 78.6 62.6 93.8
134 20.2 16.2 24.4



#66
Benzyl Chloride
Concen: 5.889 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 91 Resp: 192361
Ion Ratio Lower Upper
91 100
126 21.8 15.5 23.3
128 7.9 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.375 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

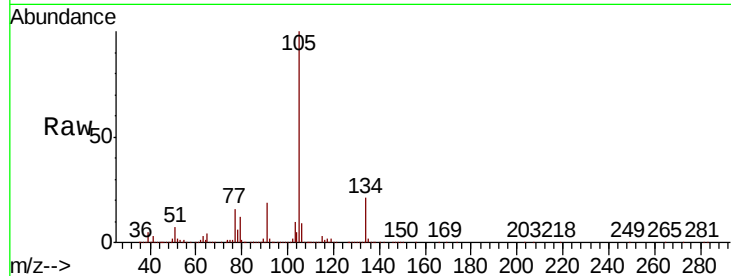
ClientSampleId :

Tot Ion:105 Resp: 7580258

Ion Ratio Lower Upper

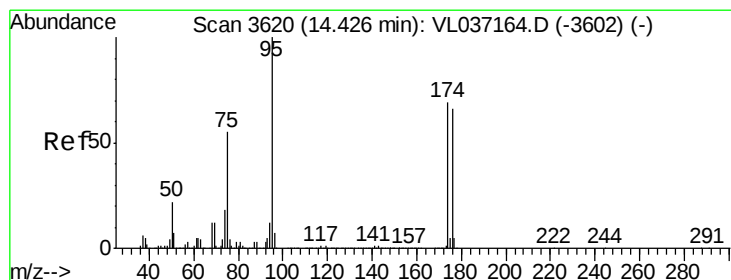
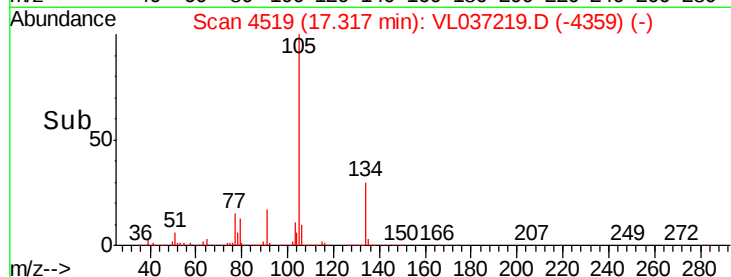
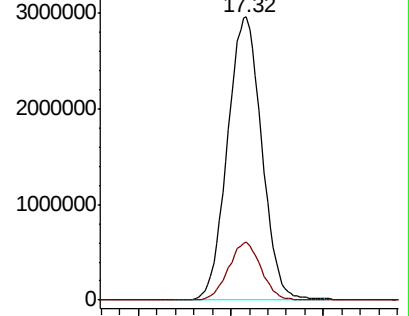
105 100

134 19.7 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: 8.241 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

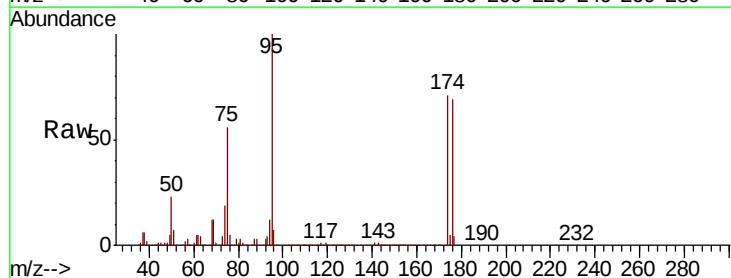
Tgt Ion: 95 Resp: 3435739

Ion Ratio Lower Upper

95 100

174 71.5 57.0 85.4

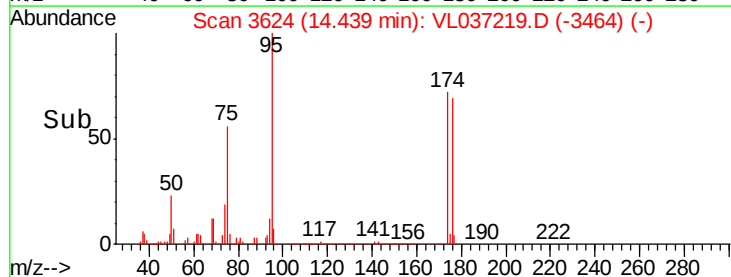
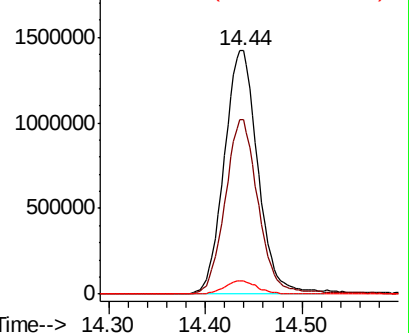
175 5.4 4.4 6.6

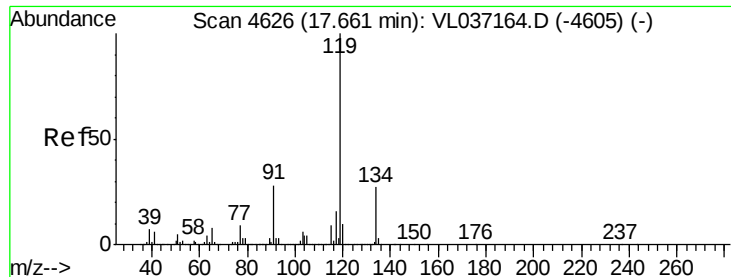


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.604 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

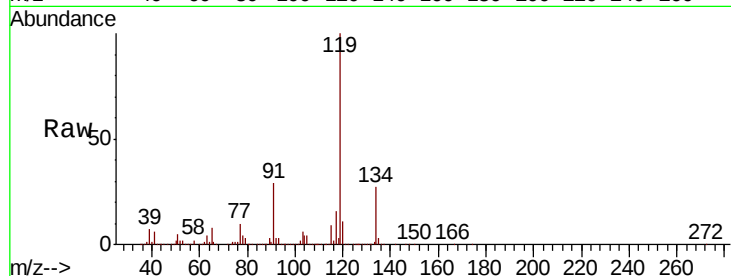
Tot Ion:119 Resp: 6601665

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.9	31.3
91	28.6	22.6	34.0

119 100

134 26.2 20.9 31.3

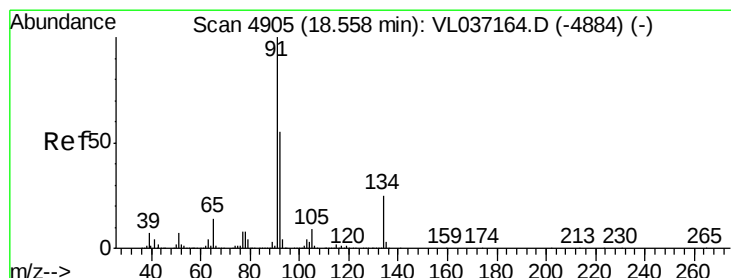
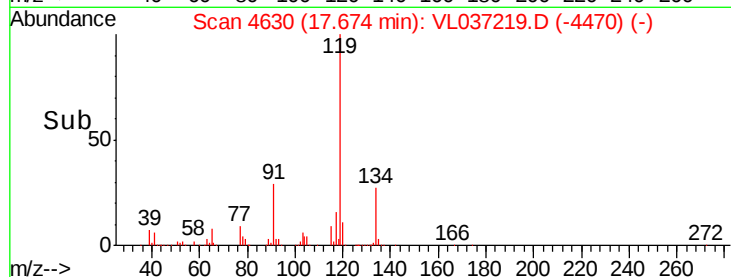
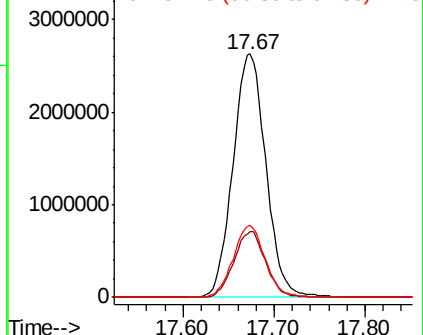
91 28.6 22.6 34.0



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.788 ppbv

RT: 18.57 min Scan# 4909

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

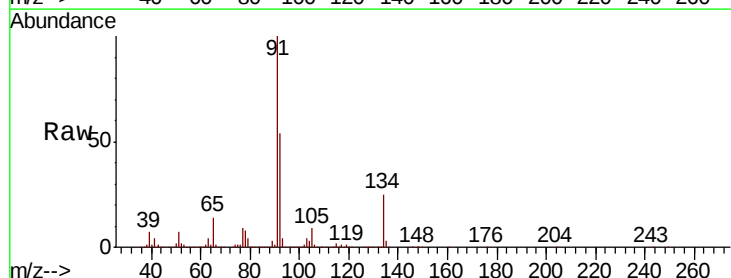
Tgt Ion: 91 Resp: 6257987

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	25.0	20.2	30.4

91 100

92 54.6 44.0 66.0

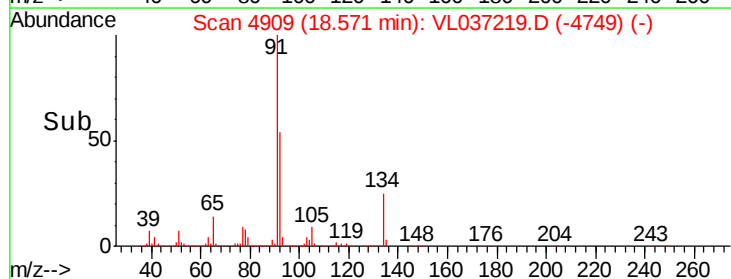
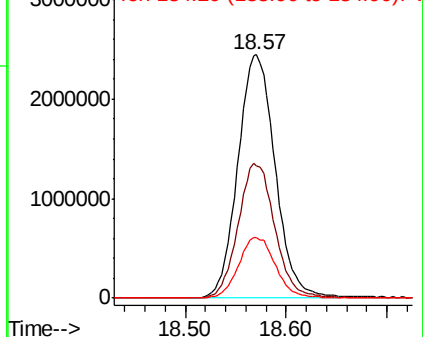
134 25.0 20.2 30.4

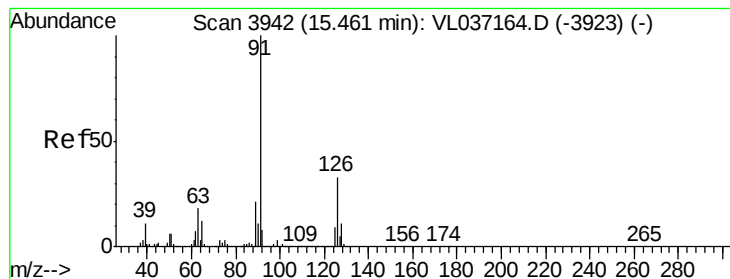


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

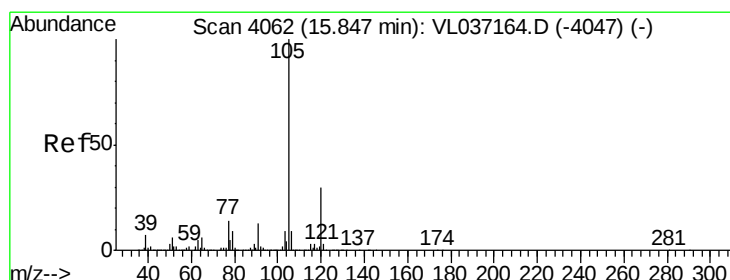
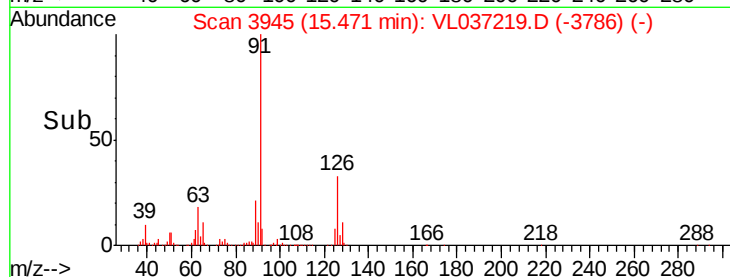
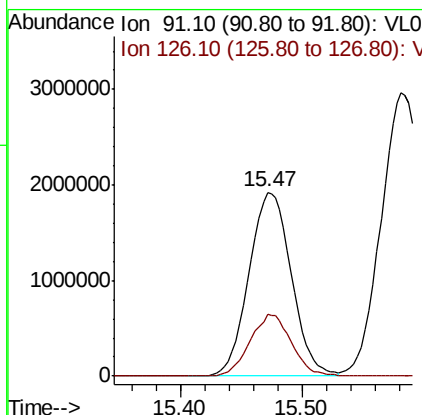
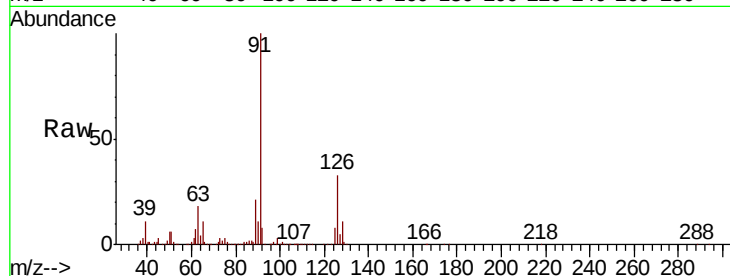




#71
 2-Chlorotoluene
 Concen: 7.604 ppbv
 RT: 15.47 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

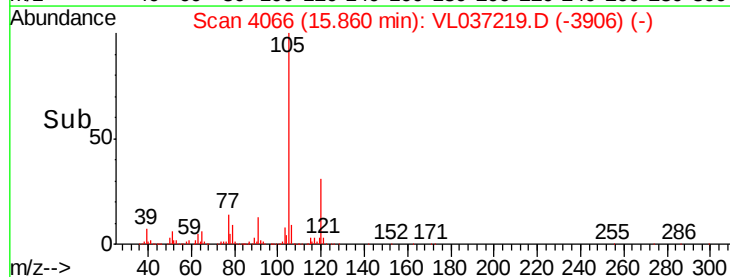
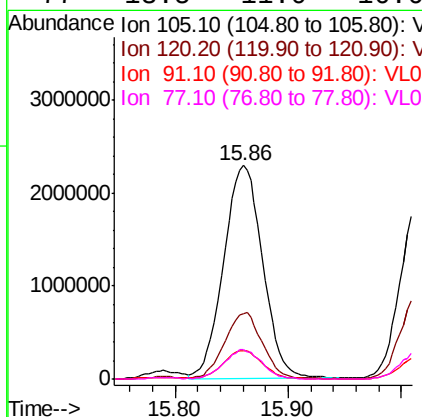
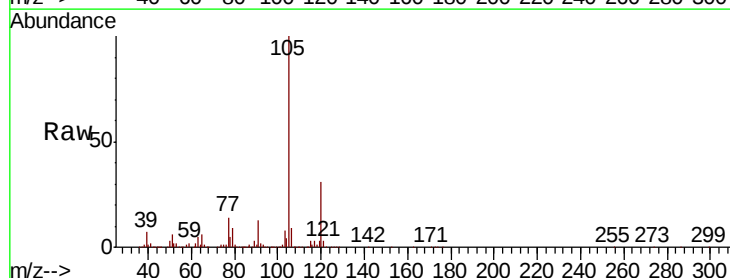
Instrument :
 MSVOA_L
 ClientSampleId :

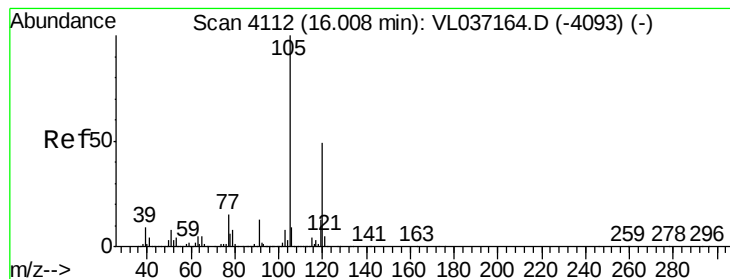
Tot Ion: 91 Resp: 4620117
 Ion Ratio Lower Upper
 91 100
 126 33.3 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 7.873 ppbv
 RT: 15.86 min Scan# 4066
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 105 Resp: 5466377
 Ion Ratio Lower Upper
 105 100
 120 30.5 24.7 37.1
 91 13.0 10.2 15.4
 77 13.5 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 7.362 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

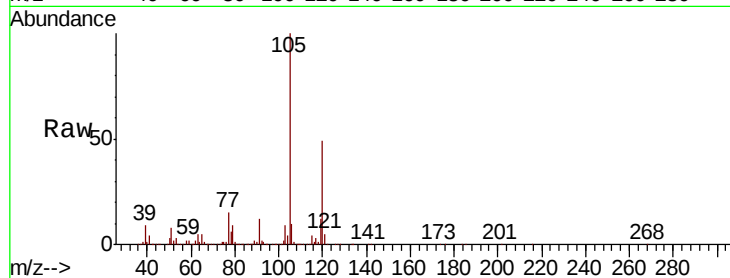
ClientSampleId :

Tot Ion:105 Resp: 4940933

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

2000000

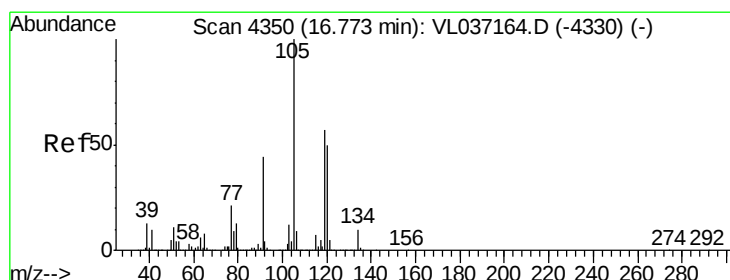
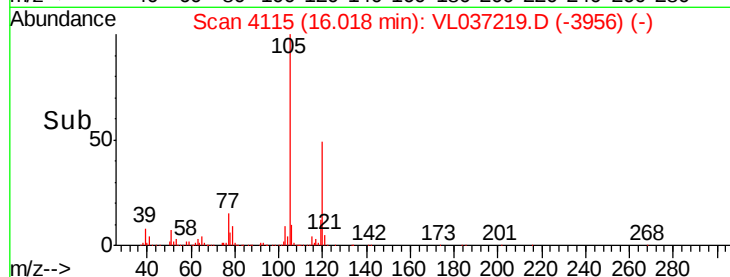
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.417 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tgt Ion:105 Resp: 5128827

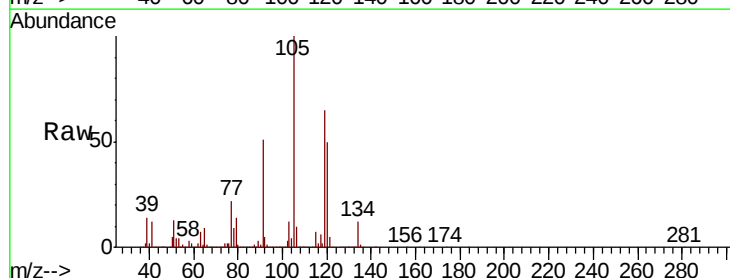
Ion Ratio Lower Upper

105 100

120 50.3 39.8 59.8

91 50.2 37.0 55.4

77 21.7 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

3000000

2500000

2000000

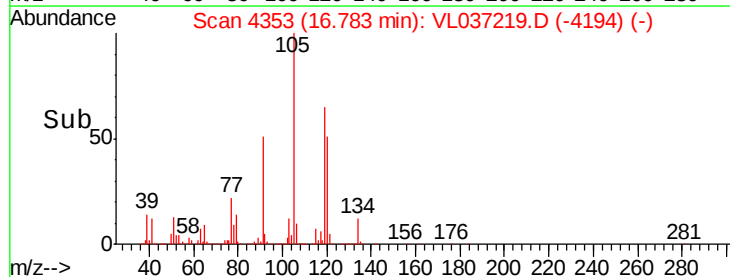
1500000

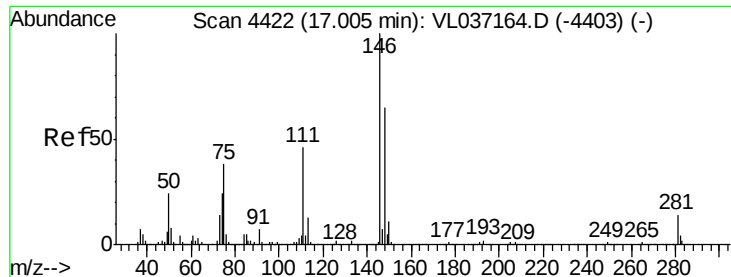
1000000

500000

0

Time--> 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 7.386 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

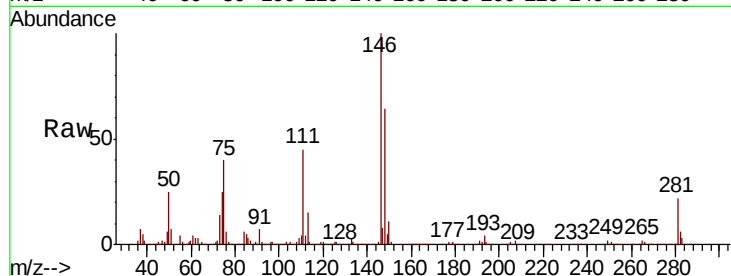
Tot Ion:146 Resp: 3105494

Ion Ratio Lower Upper

146 100

111 45.2 22.2 66.6

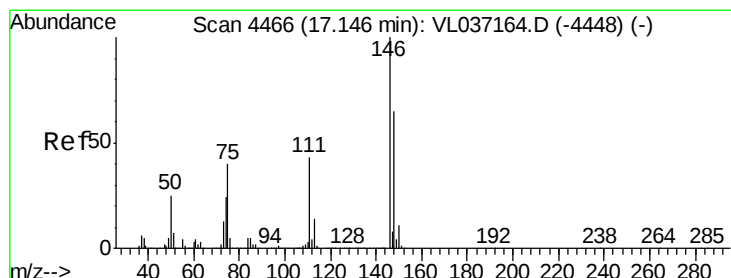
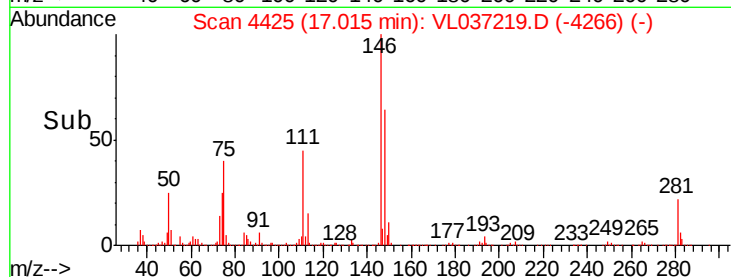
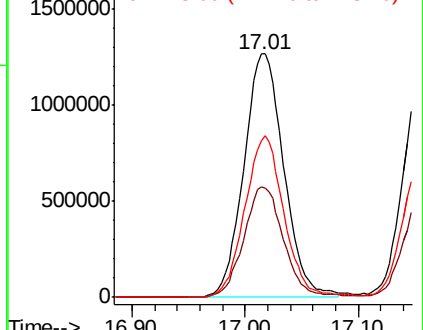
148 65.0 32.4 97.2



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: 7.180 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

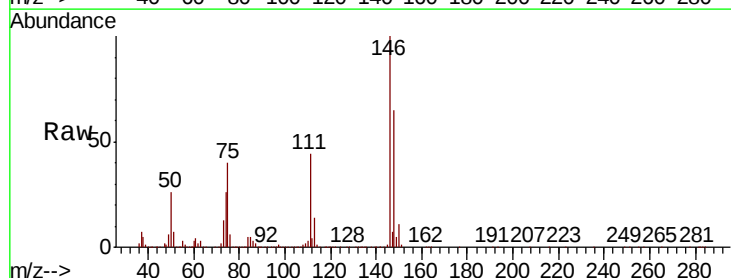
Tgt Ion:146 Resp: 3015258

Ion Ratio Lower Upper

146 100

111 45.4 22.7 68.0

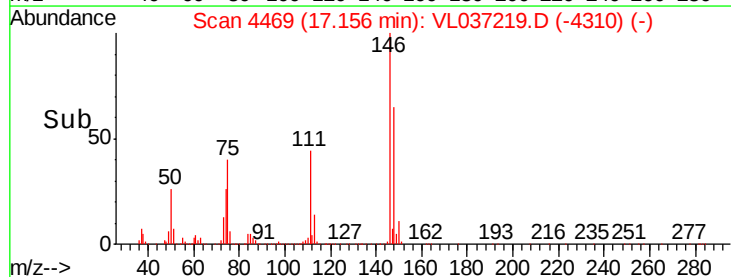
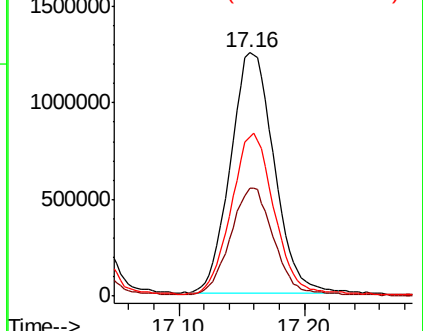
148 67.7 33.7 101.1

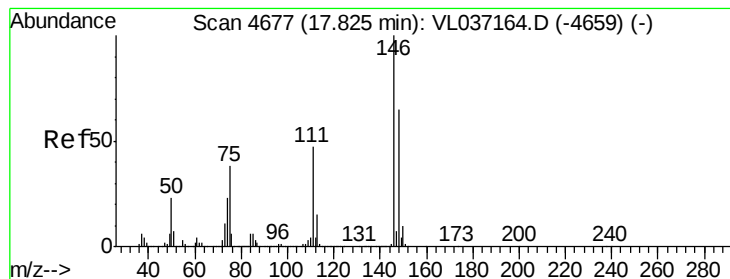


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.374 ppbv

RT: 17.83 min Scan# 4680

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

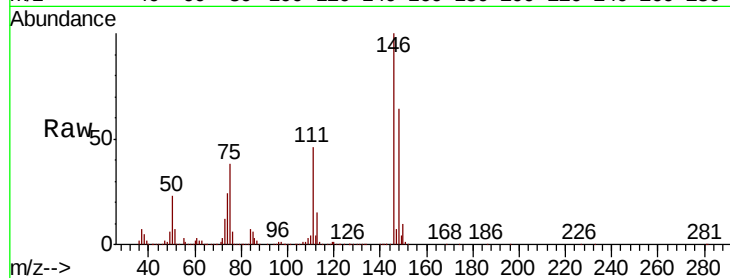
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2999437

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.8
148	65.7	32.4	97.0

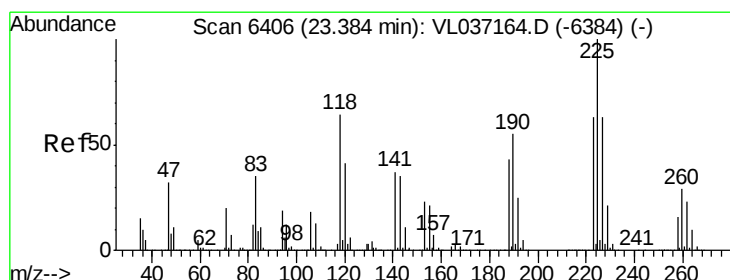
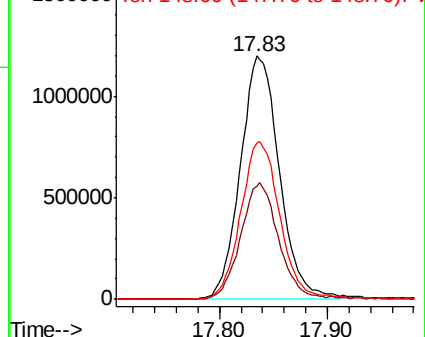
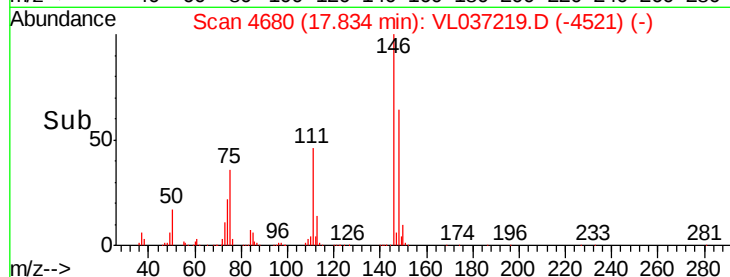


Abundance

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: 5.690 ppbv

RT: 23.39 min Scan# 6409

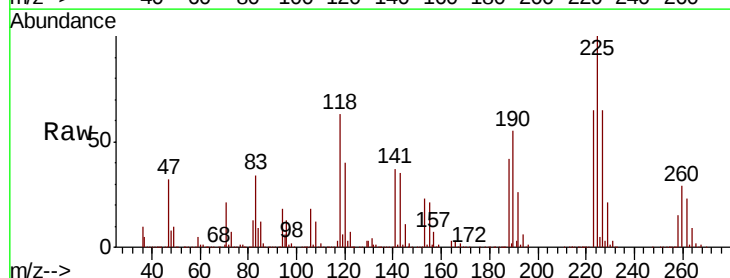
Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tgt Ion:225 Resp: 1989840

Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.8	77.8
227	64.6	51.4	77.0

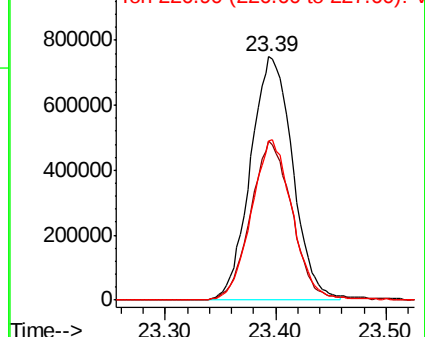
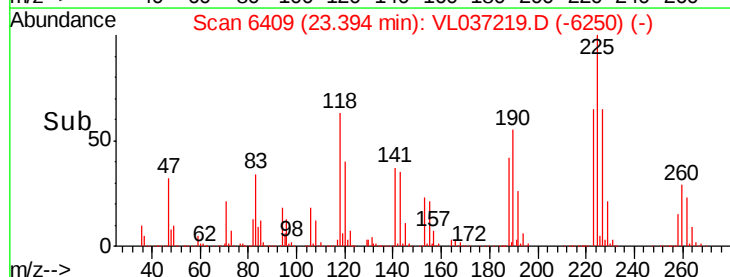


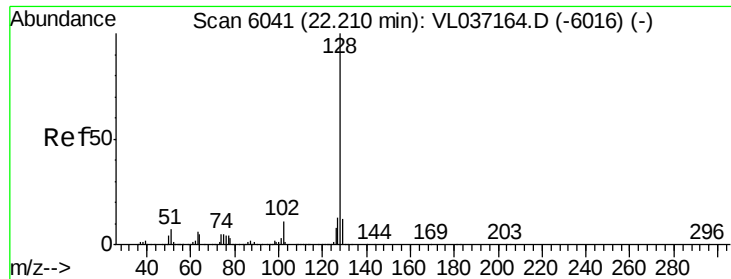
Abundance

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: 6.665 ppbv

RT: 22.22 min Scan# 6044

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

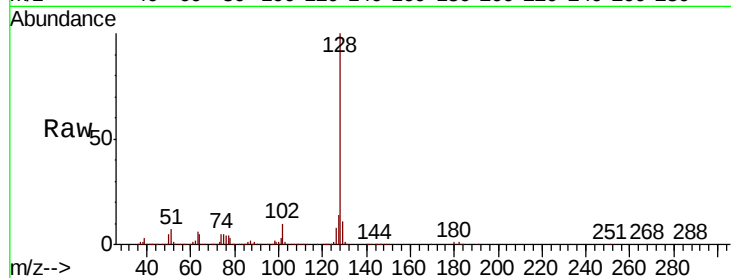
Tot Ion:128 Resp: 3842952

Ion Ratio Lower Upper

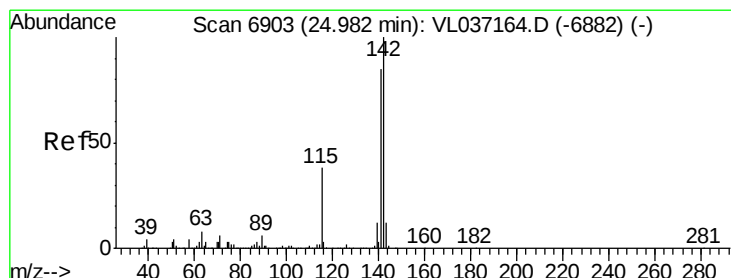
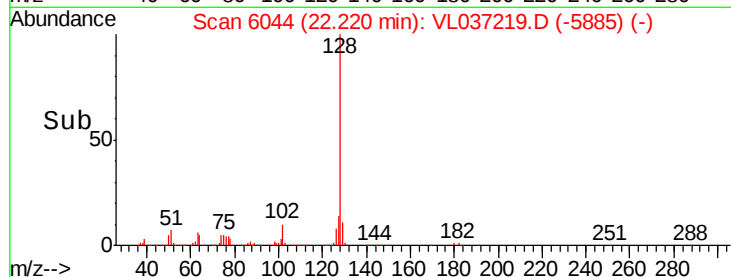
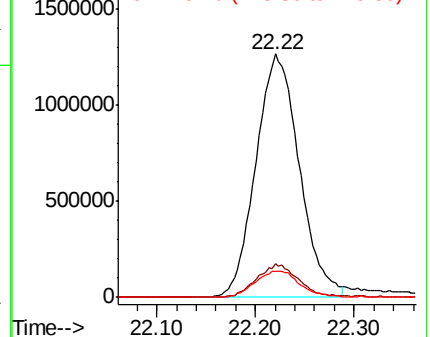
128 100

127 13.6 10.7 16.1

129 10.7 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: 5.525 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

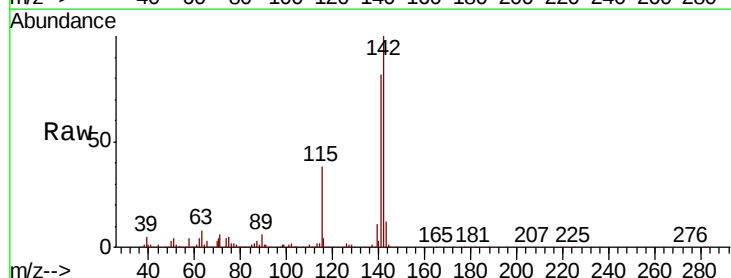
Tgt Ion:142 Resp: 835456

Ion Ratio Lower Upper

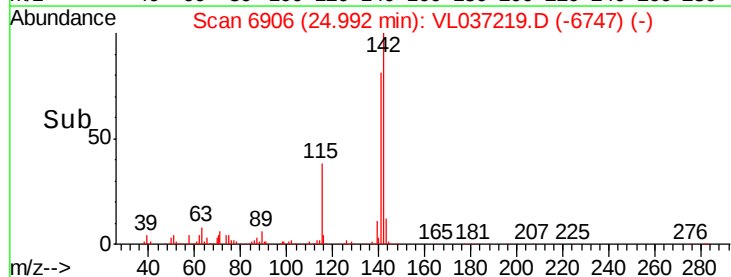
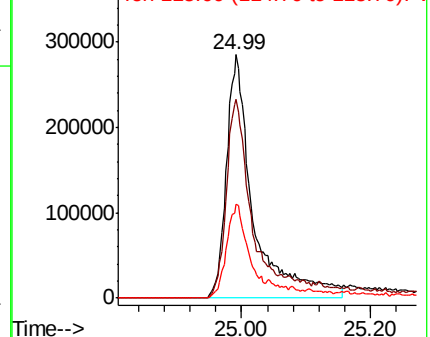
142 100

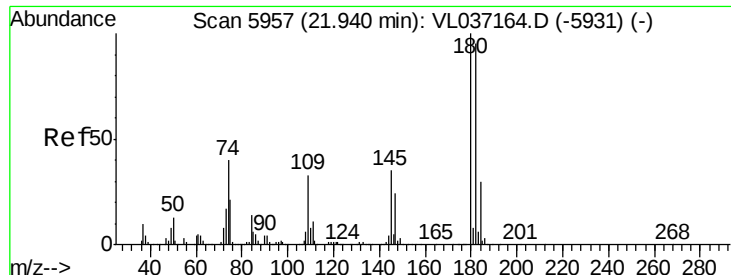
141 88.1 63.7 95.5

115 38.6 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

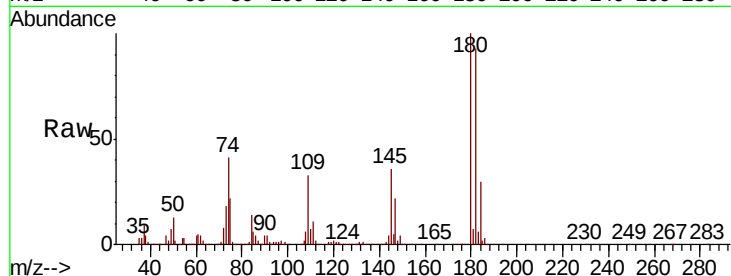




#81
 1,2,4-Trichlorobenzene
 Concen: 6.745 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2244130
 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

