

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037281.D
 Acq On : 27 Jul 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 06:43:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1343796	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3891898	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3572644	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2729757	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	280517	1.183 ppbv	95
3) Chlorodifluoromethane	2.99	51	273695	1.038 ppbv	100
4) Chloromethane	3.14	50	90900	1.036 ppbv	100
5) Vinyl Chloride	3.26	62	89632	0.938 ppbv	99
6) Bromomethane	3.48	94	57360	1.015 ppbv	95
7) Chloroethane	3.56	64	33566	0.964 ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	252196	1.040 ppbv	97
9) Propene	3.01	41	85560	1.019 ppbv	93
10) Heptane	8.12	43	192852	0.945 ppbv	97
11) Trichlorofluoromethane	3.95	101	253258	1.000 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	192107	1.074 ppbv	96
13) Ethanol	3.62	45	3382	0.266 ppbv #	1
14) Bromoethene	3.74	108	71980	0.970 ppbv	94
15) Acetone	3.86	43	296193	1.901 ppbv #	79
16) 1,3-Butadiene	3.33	39	52394	0.579 ppbv #	12
17) tert-Butyl alcohol	4.31	59	138648	0.984 ppbv #	93
18) 1,1-Dichloroethene	4.29	96	76782	0.966 ppbv	98
19) Isopropyl Alcohol	3.98	45	40038	0.442 ppbv #	67
20) Methylene Chloride	4.35	84	100713	1.090 ppbv	94
21) Allyl Chloride	4.41	41	116730	1.002 ppbv	93
22) trans-1,2-Dichloroethene	4.89	96	72442	0.924 ppbv	96
23) Vinyl Acetate	5.08	43	266461	1.219 ppbv #	99
24) 1,1-Dichloroethane	5.01	63	185145	1.044 ppbv	96
25) Ethyl Acetate	5.69	43	319266	0.964 ppbv	98
26) Hexane	5.69	57	171141	1.026 ppbv	94
27) Carbon Disulfide	4.56	76	146680	0.890 ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	197370	0.984 ppbv	97
29) Chloroform	5.75	83	261577	1.007 ppbv	98
30) Cyclohexane	7.13	84	131052	0.942 ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	137964	0.897 ppbv #	93
32) 1,1,1-Trichloroethane	6.52	97	267848	0.969 ppbv	99
34) 2-Butanone	5.26	43	168171	1.089 ppbv #	89
35) Carbon Tetrachloride	7.02	117	274432	1.038 ppbv	96
36) Benzene	6.89	78	324863	1.026 ppbv	97
37) 1,2-Dichloroethane	6.31	62	180462	0.968 ppbv	98
38) Trichloroethene	7.84	130	130156	0.864 ppbv	99
39) 1,2-Dichloropropane	7.62	63	117792	1.001 ppbv	90
42) Bromodichloromethane	7.79	83	242321	0.951 ppbv #	98
43) Methyl Methacrylate	8.02	69	97926	0.894 ppbv	91
44) 2,2,4-Trimethylpentane	7.87	57	557663	1.042 ppbv	100
45) t-1,3-Dichloropropene	9.28	75	36817	0.390 ppbv	98

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 Data File : VL037281.D
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 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

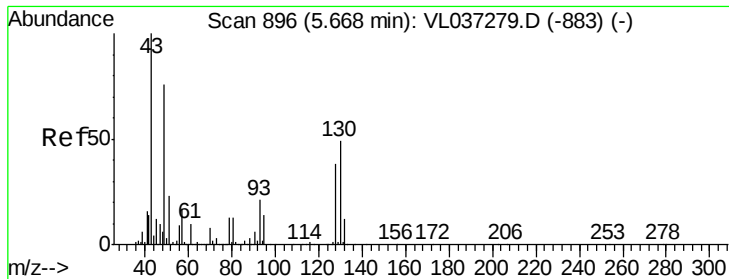
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 06:43:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.71	75	110574	0.853	ppbv #	95
47) 1,1,2-Trichloroethane	9.48	97	129643	0.962	ppbv	96
48) Dibromochloromethane	10.30	129	89483	0.418	ppbv #	10
49) Bromoform	13.04	173	139157	0.861	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	94804	0.447	ppbv #	40
51) 2-Hexanone	10.16	43	74087	0.713	ppbv #	82
52) Tetrachloroethene	11.23	164	138140	0.941	ppbv	93
53) Toluene	9.81	91	361697	0.953	ppbv	97
54) 1,2-Dibromoethane	10.61	107	195169	1.006	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	161756	1.020	ppbv #	1
57) Chlorobenzene	12.15	112	151716	0.518	ppbv	93
58) Ethyl Benzene	12.72	91	508148	1.024	ppbv	98
59) m/p-Xylene	12.99	91	73333	0.174	ppbv #	31
60) o-Xylene	13.70	91	434398	1.078	ppbv	99
61) Styrene	13.54	104	90163	0.438	ppbv #	13
62) Isopropylbenzene	14.67	105	617308	1.077	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	170823	0.635	ppbv #	43
64) n-propylbenzene	15.57	120	147511	1.031	ppbv	80
65) tert-Butylbenzene	16.75	119	565455	1.106	ppbv	96
66) Benzyl Chloride	16.75	91	453846	20.841	ppbv #	67
67) sec-Butylbenzene	17.30	105	751534	1.104	ppbv	99
69) p-Isopropyltoluene	17.66	119	627730	1.093	ppbv	98
70) n-Butylbenzene	18.56	91	565408	1.065	ppbv	99
71) 2-Chlorotoluene	15.45	91	438647	1.091	ppbv	98
72) 4-Ethyltoluene	15.85	105	480760	1.047	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	461177	1.039	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	521318	1.140	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	169548	0.611	ppbv #	37
76) 1,4-Dichlorobenzene	17.15	146	260105	0.940	ppbv	92
77) 1,2-Dichlorobenzene	17.82	146	272166	1.010	ppbv	93
78) Hexachloro-1,3-Butadiene	23.38	225	229605	1.025	ppbv	98
79) Naphthalene	22.21	128	181820	0.508	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	71180	0.828	ppbv #	76
81) 1,2,4-Trichlorobenzene	21.94	180	172349	0.821	ppbv #	76

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampled :

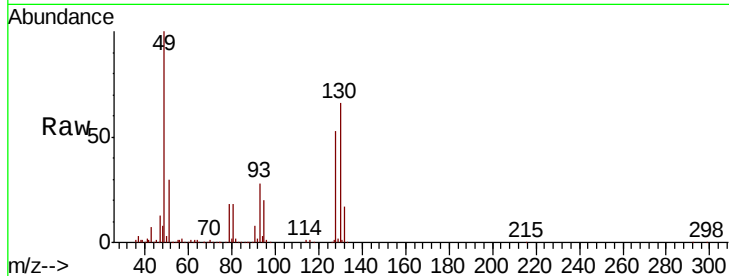
Tot Ion: 49 Resp: 1343796

Ion Ratio Lower Upper

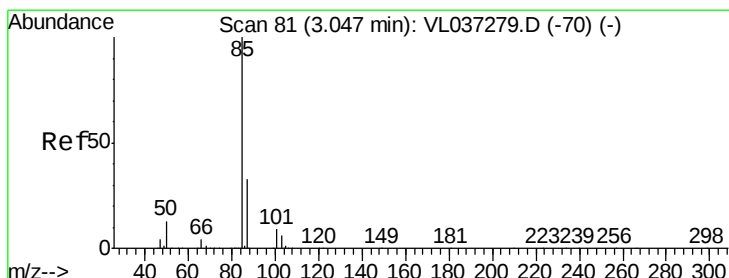
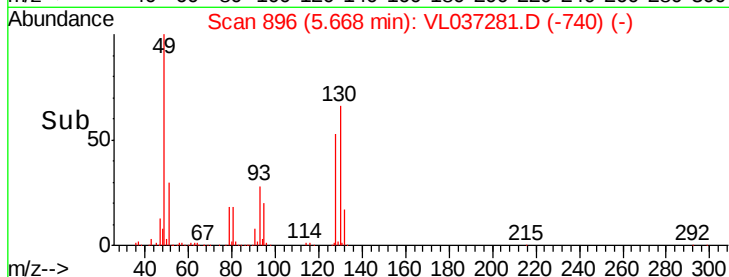
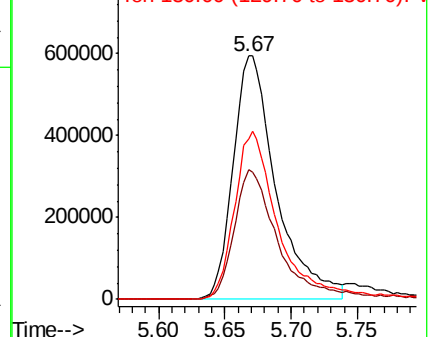
49 100

128 55.5 28.4 85.2

130 71.5 34.8 104.5



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: 1.183 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037281.D

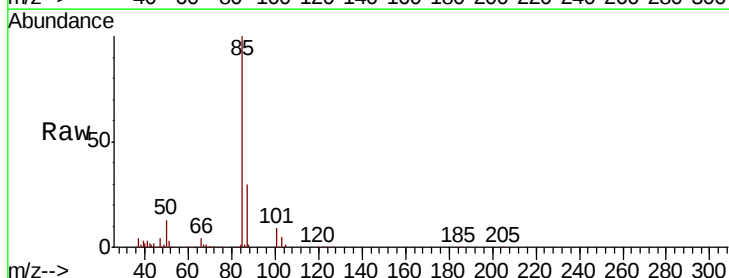
Acq: 27 Jul 2021 3:53

Tgt Ion: 85 Resp: 280517

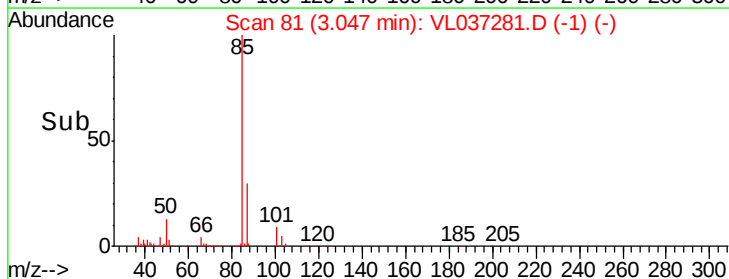
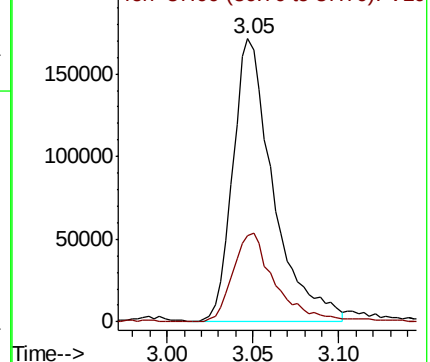
Ion Ratio Lower Upper

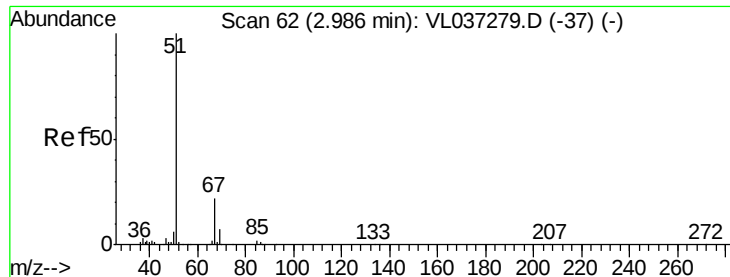
85 100

87 30.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

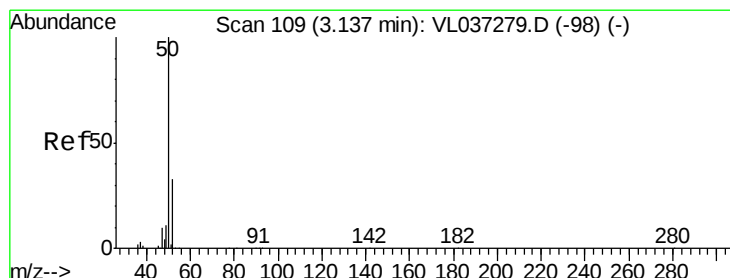
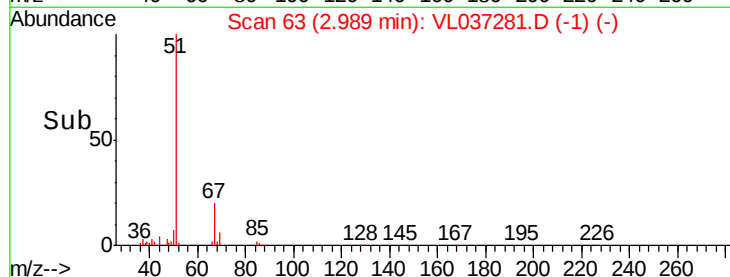
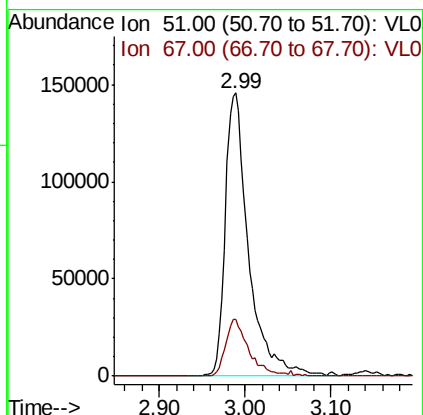
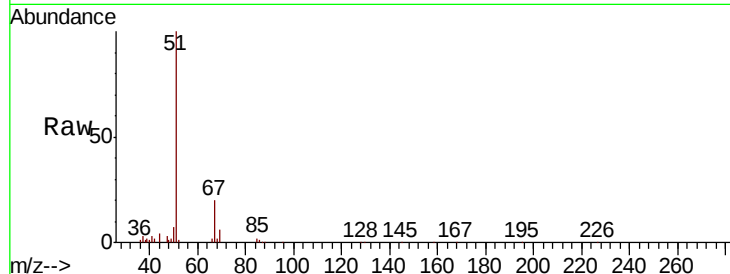




#3
 Chlorodifluoromethane
 Concen: 1.038 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

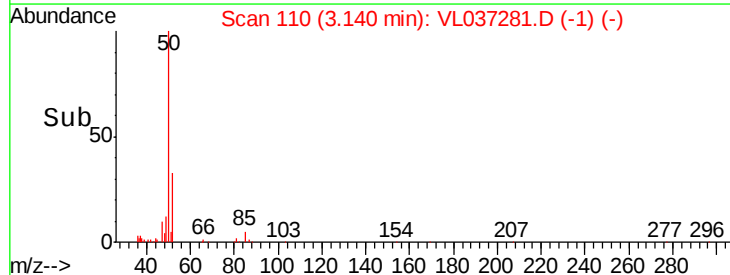
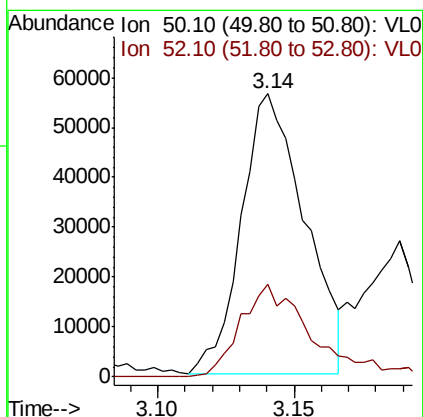
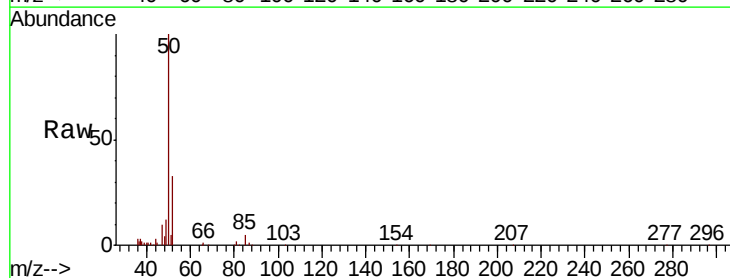
Instrument :
 MSVOA_L
 ClientSampleId :

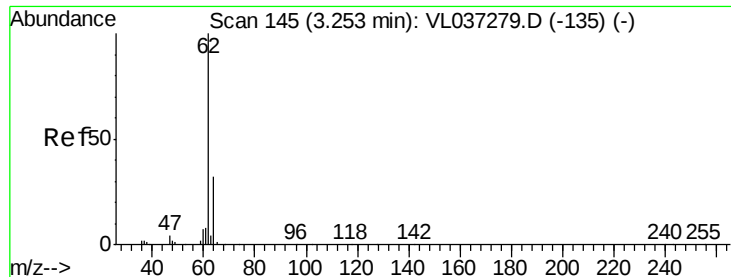
Tot Ion: 51 Resp: 273695
 Ion Ratio Lower Upper
 51 100
 67 20.4 16.2 24.4



#4
 Chloromethane
 Concen: 1.036 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion: 50 Resp: 90900
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.4 39.6





#5

Vinyl Chloride

Concen: 0.938 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

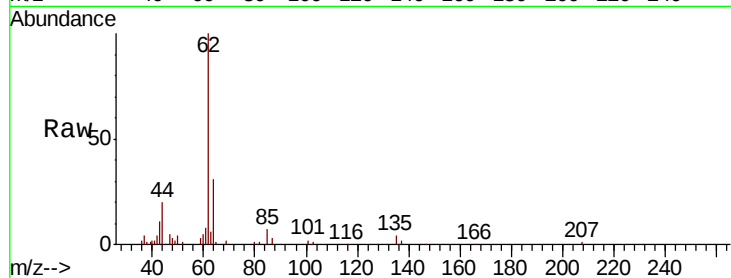
ClientSampleId :

Tot Ion: 62 Resp: 89632

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

60000

50000

40000

30000

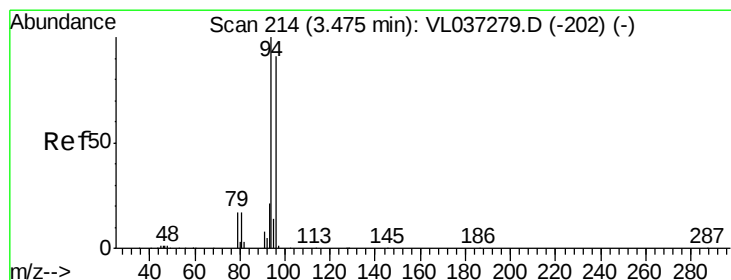
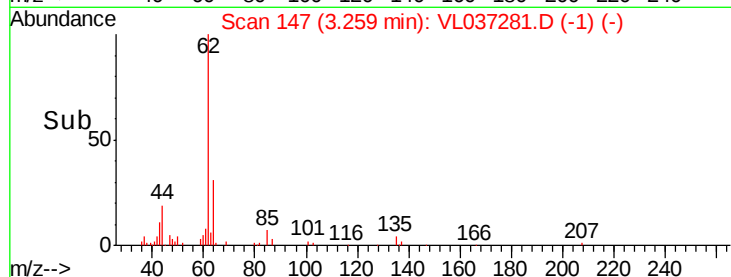
20000

10000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 1.015 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037281.D

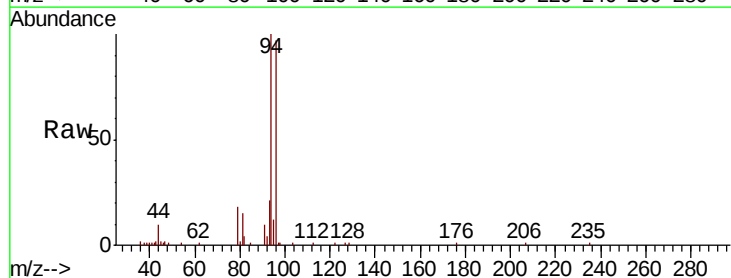
Acq: 27 Jul 2021 3:53

Tgt Ion: 94 Resp: 57360

Ion Ratio Lower Upper

94 100

96 96.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

30000

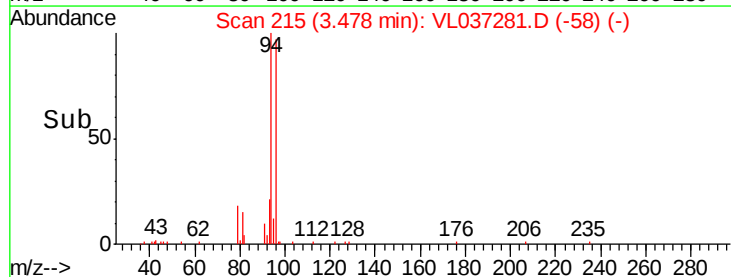
20000

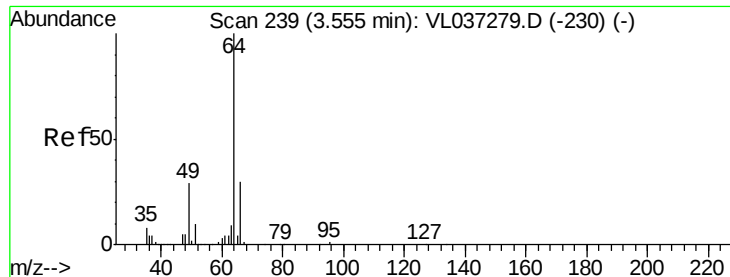
10000

0

Time-->

3.45 3.50 3.55





#7

Chloroethane

Concen: 0.964 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

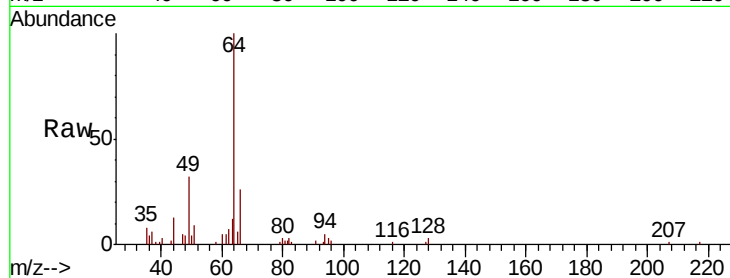
ClientSampled :

Tot Ion: 64 Resp: 33566

Ion Ratio Lower Upper

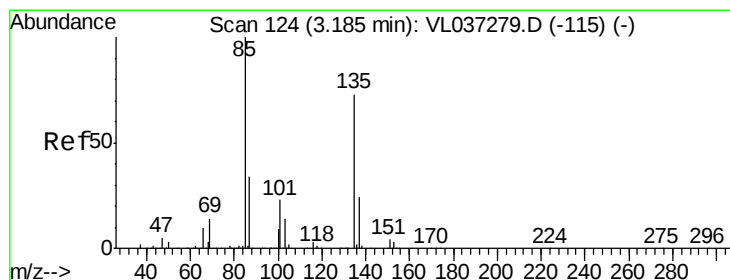
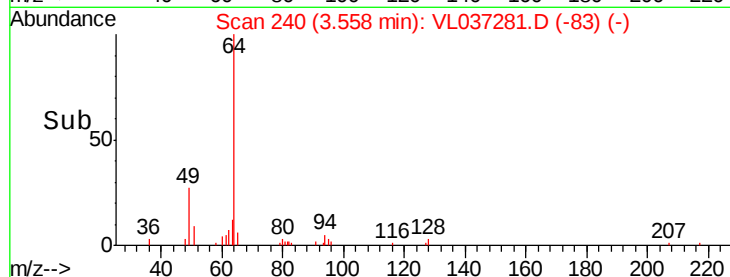
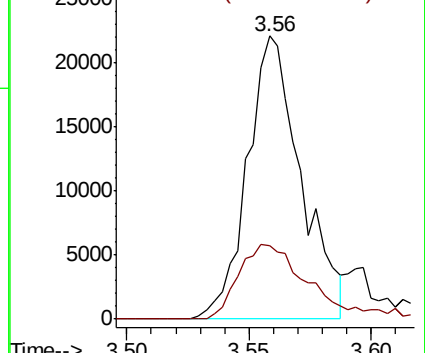
64 100

66 26.1 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.040 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037281.D

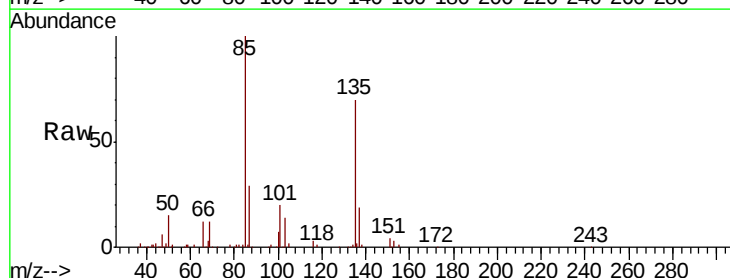
Acq: 27 Jul 2021 3:53

Tgt Ion: 85 Resp: 252196

Ion Ratio Lower Upper

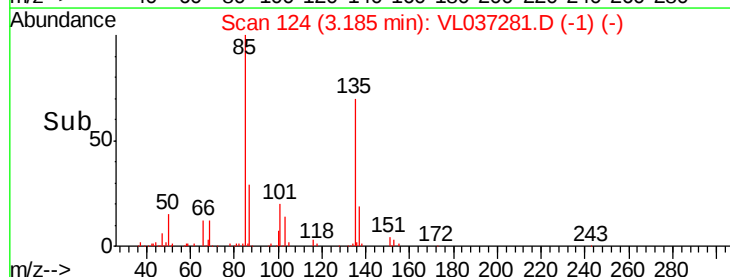
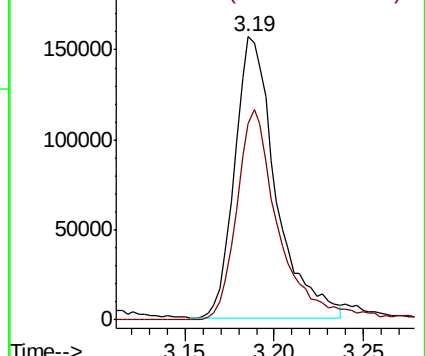
85 100

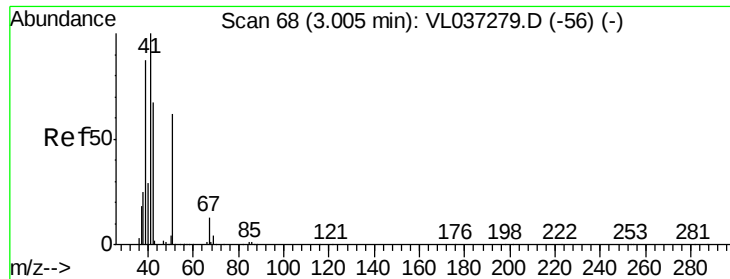
135 77.7 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.019 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

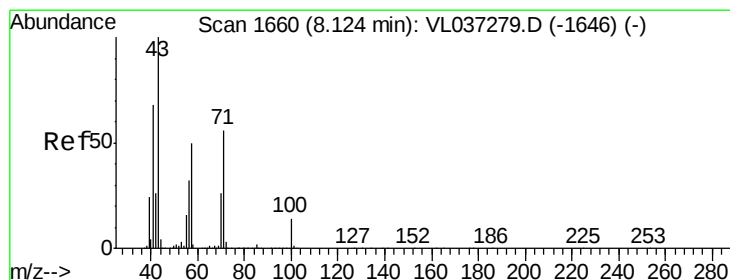
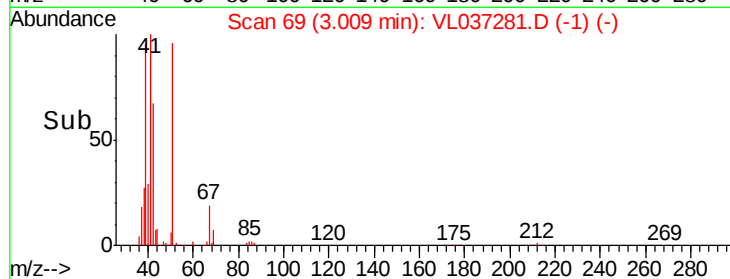
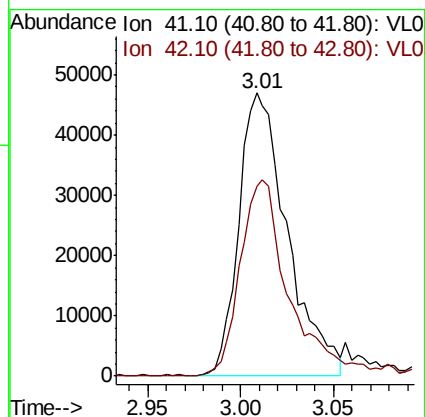
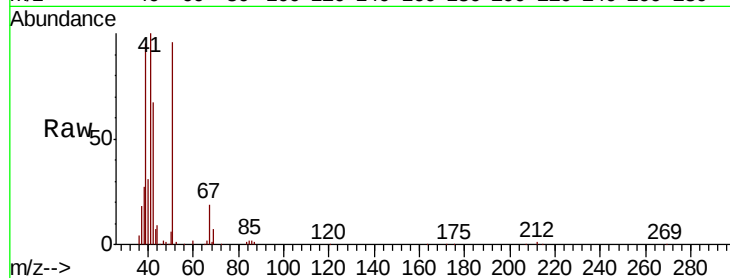
ClientSampleId :

Tot Ion: 41 Resp: 85560

Ion Ratio Lower Upper

41 100

42 72.4 53.4 80.2



#10

Heptane

Concen: 0.945 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037281.D

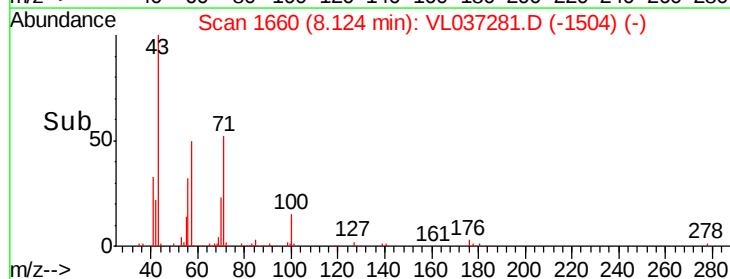
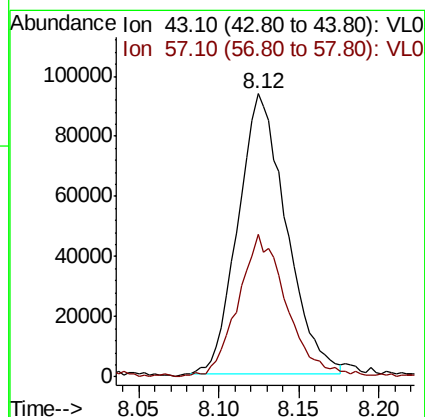
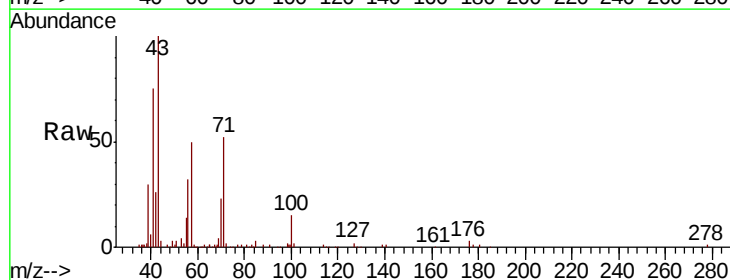
Acq: 27 Jul 2021 3:53

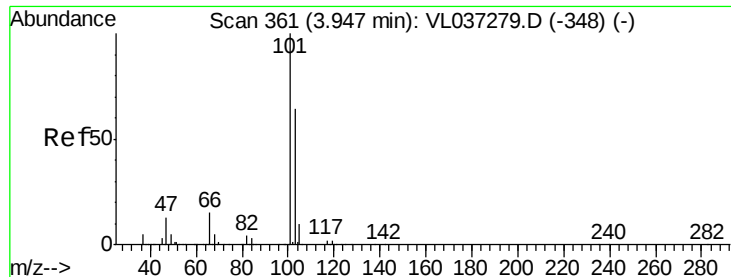
Tgt Ion: 43 Resp: 192852

Ion Ratio Lower Upper

43 100

57 52.2 40.1 60.1





#11

Trichlorofluoromethane

Concen: 1.000 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

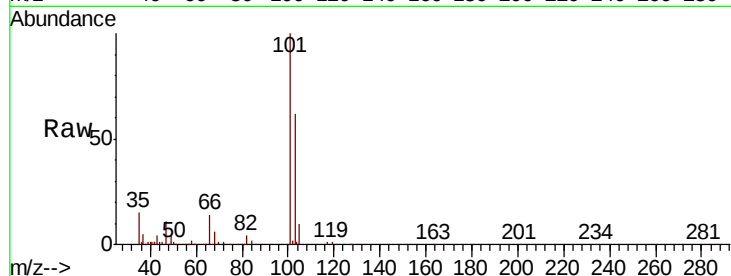
ClientSampleId :

Tot Ion:101 Resp: 253258

Ion Ratio Lower Upper

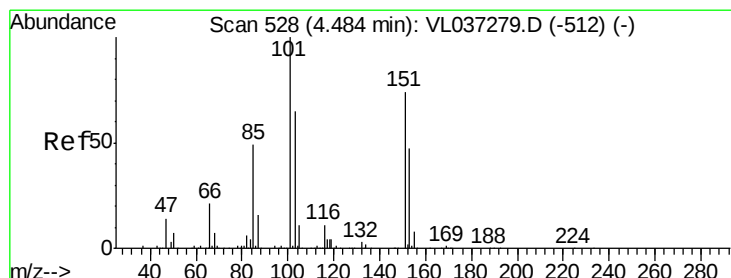
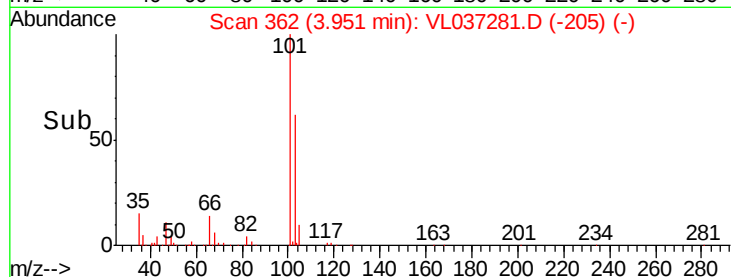
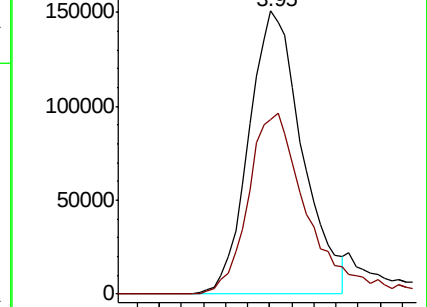
101 100

103 61.9 51.4 77.0



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: 1.074 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037281.D

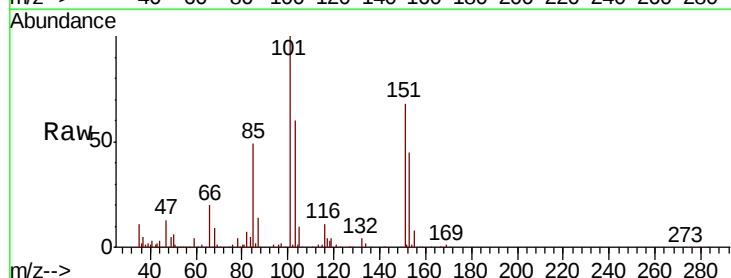
Acq: 27 Jul 2021 3:53

Tgt Ion:101 Resp: 192107

Ion Ratio Lower Upper

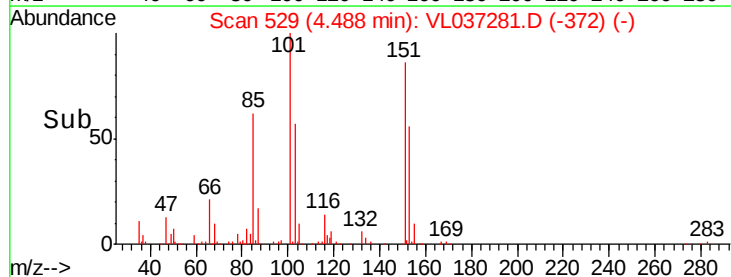
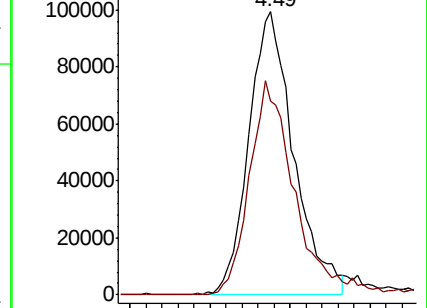
101 100

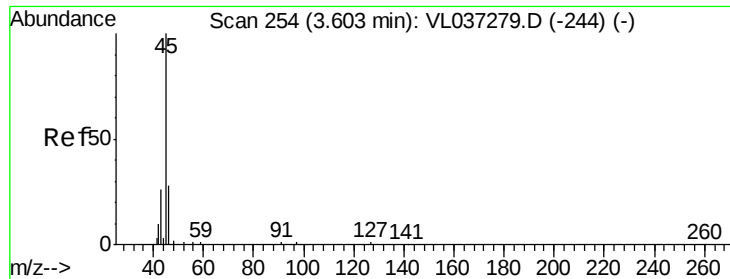
151 77.3 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

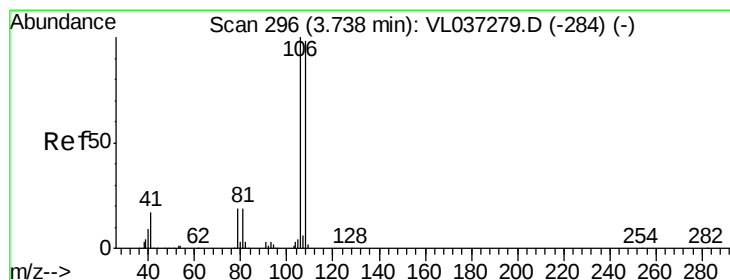
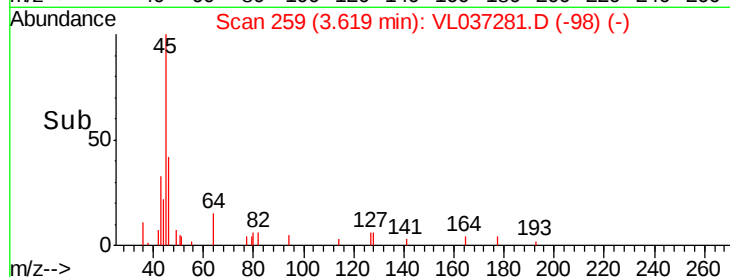
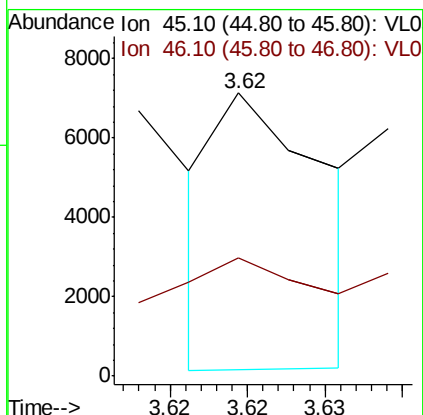
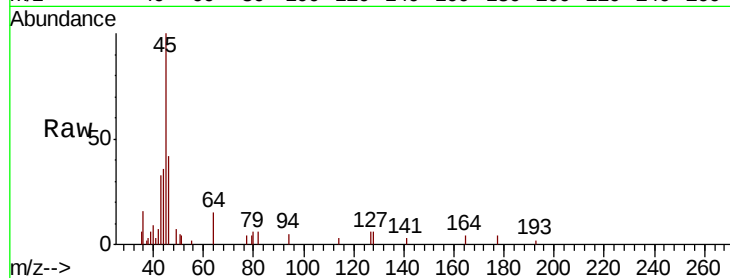




#13
Ethanol
Concen: 0.266 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

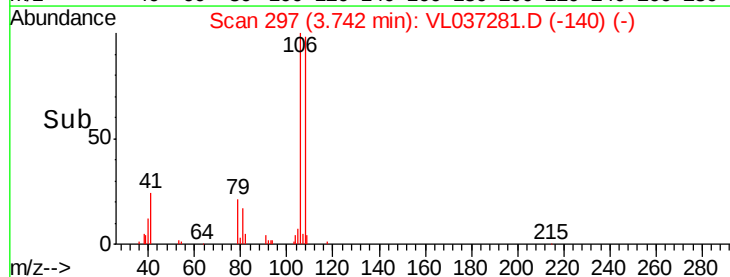
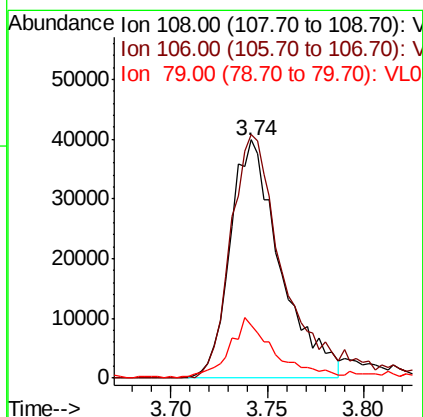
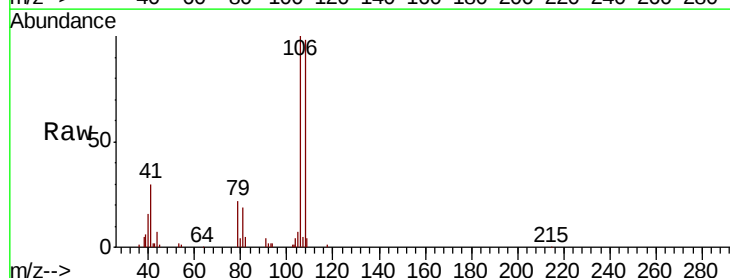
Instrument :
MSVOA_L
ClientSampleId :

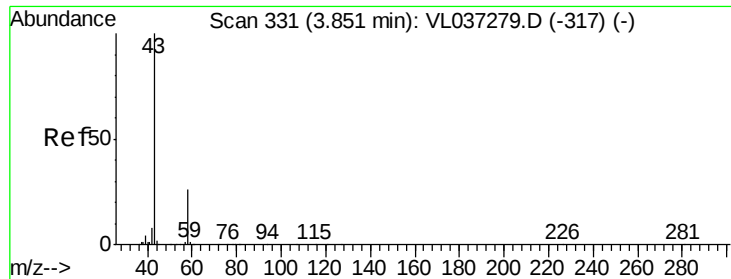
Tot Ion: 45 Resp: 3382
Ion Ratio Lower Upper
45 100
46 244.1 15.1 60.3#



#14
Bromoethene
Concen: 0.970 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 108 Resp: 71980
Ion Ratio Lower Upper
108 100
106 113.4 86.0 129.0
79 23.6 16.0 24.0

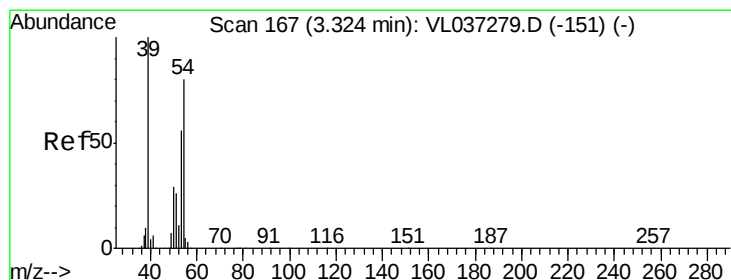
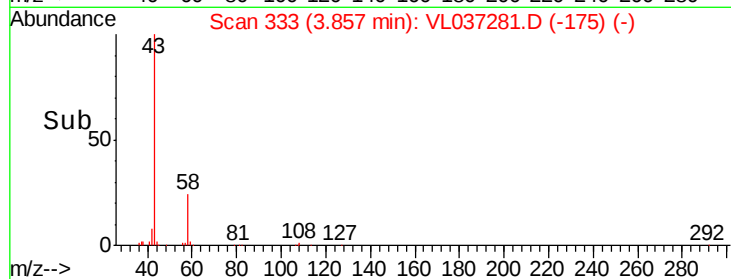
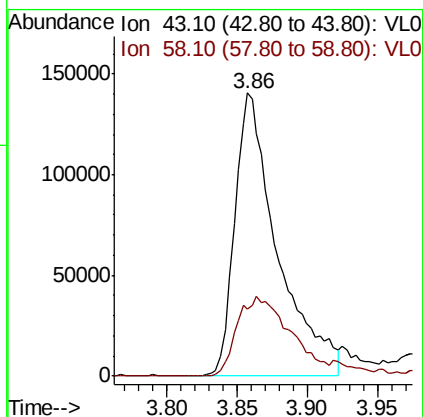
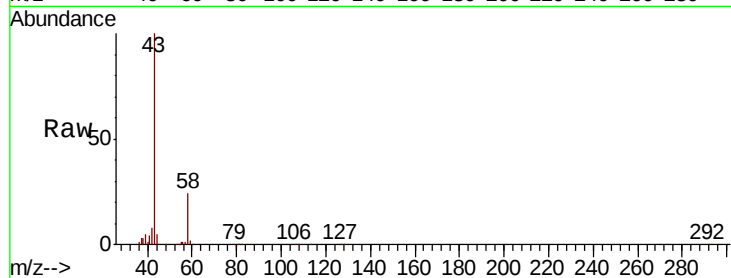




#15
Acetone
Concen: 1.901 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

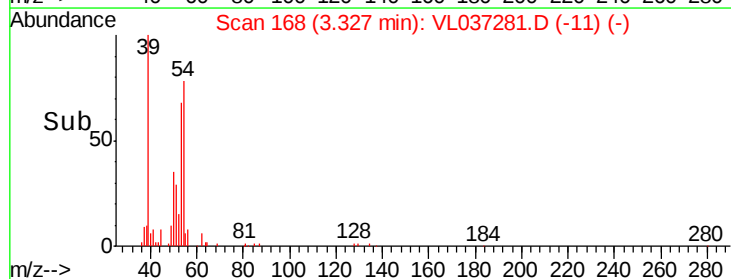
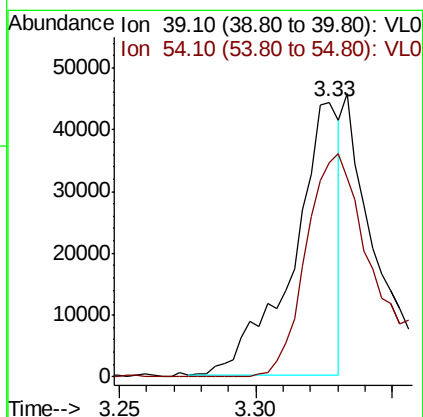
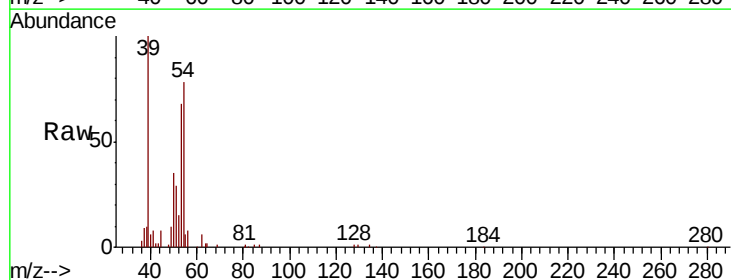
Instrument :
MSVOA_L
ClientSampleId :

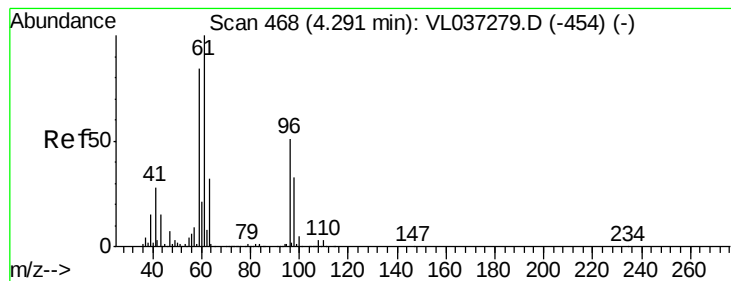
Tot Ion: 43 Resp: 296193
Ion Ratio Lower Upper
43 100
58 38.9 22.3 33.5#



#16
1,3-Butadiene
Concen: 0.579 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 39 Resp: 52394
Ion Ratio Lower Upper
39 100
54 0.0 60.4 90.6#



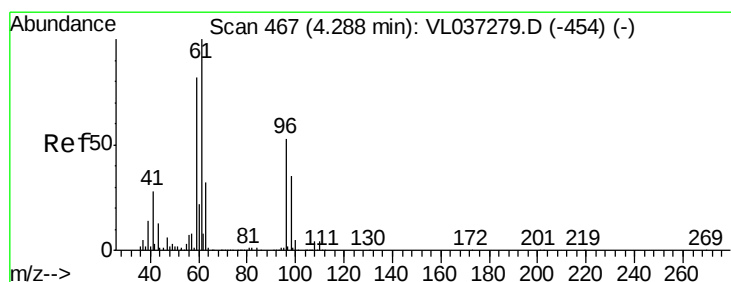
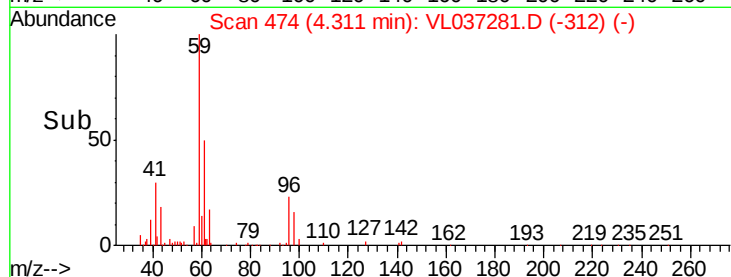
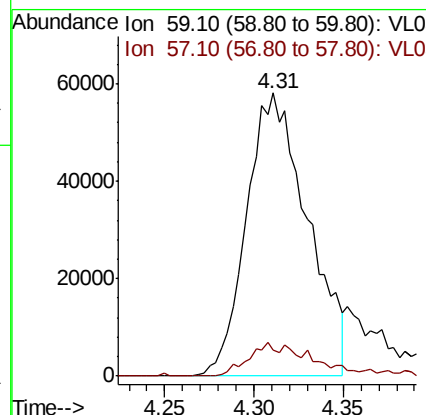
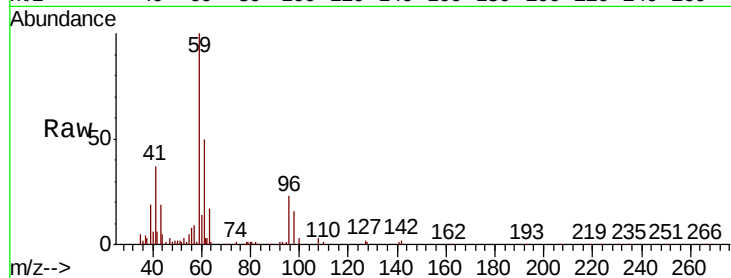


#17

tert-Butyl alcohol
 Concen: 0.984 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. 0.02 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :

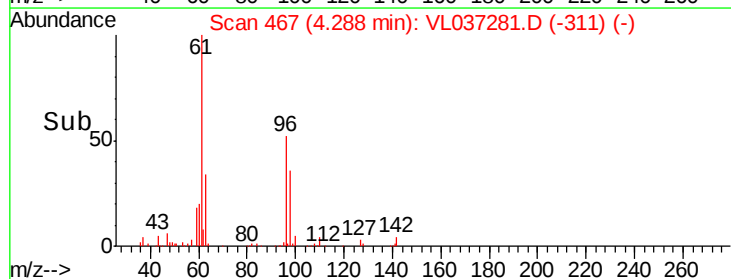
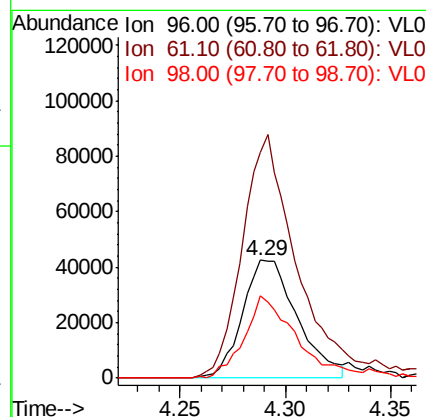
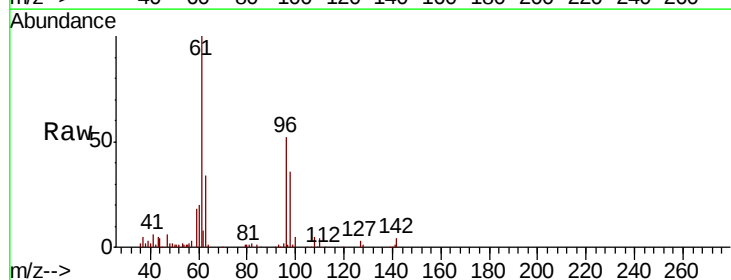
Tot Ion: 59 Resp: 138648
 Ion Ratio Lower Upper
 59 100
 57 13.3 8.6 13.0#

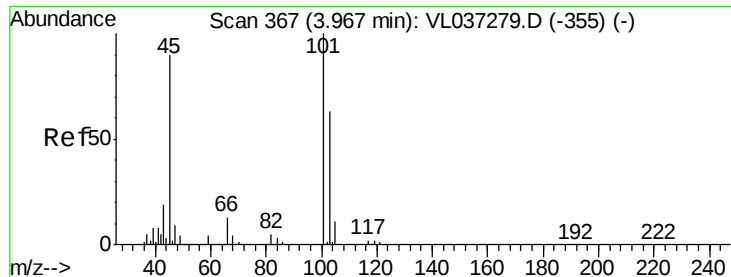


#18

1,1-Dichloroethene
 Concen: 0.966 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion: 96 Resp: 76782
 Ion Ratio Lower Upper
 96 100
 61 190.6 151.4 227.2
 98 69.7 52.4 78.6





#19

Isopropyl Alcohol

Concen: 0.442 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

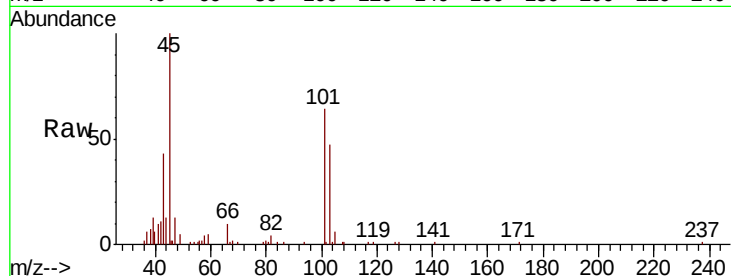
ClientSampleId :

Tot Ion: 45 Resp: 40038

Ion Ratio Lower Upper

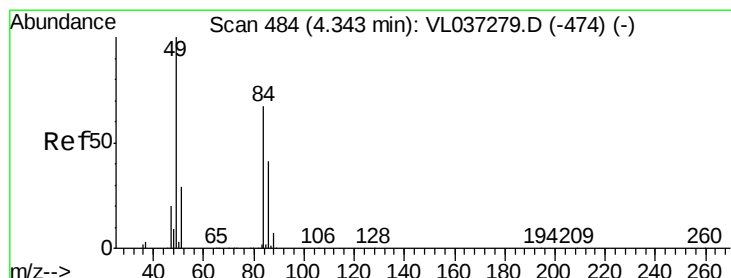
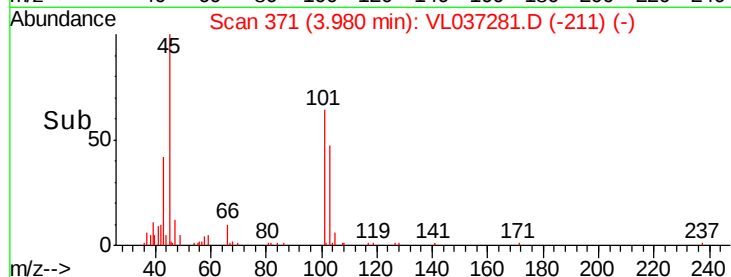
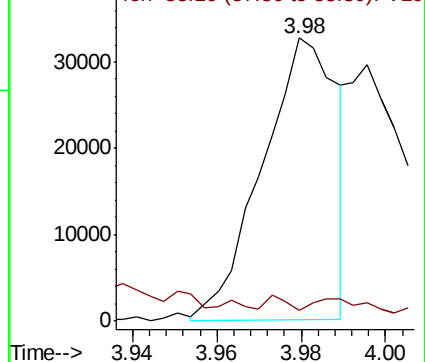
45 100

58 14.7 3.0 4.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.090 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion: 84 Resp: 100713

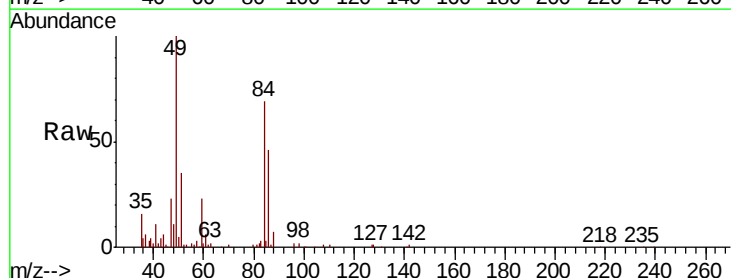
Ion Ratio Lower Upper

84 100

49 142.0 119.0 178.6

51 47.9 35.0 52.4

86 66.5 49.0 73.6

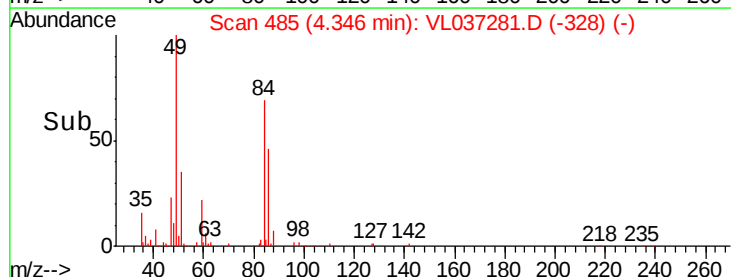
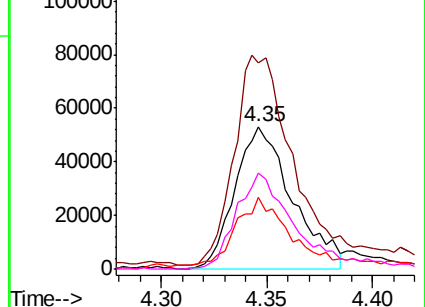


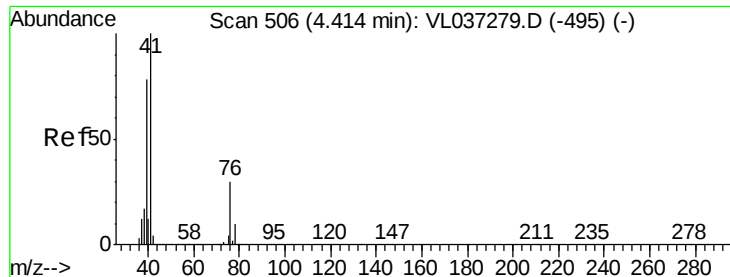
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

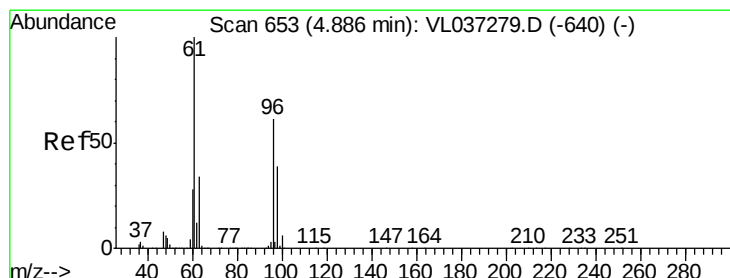
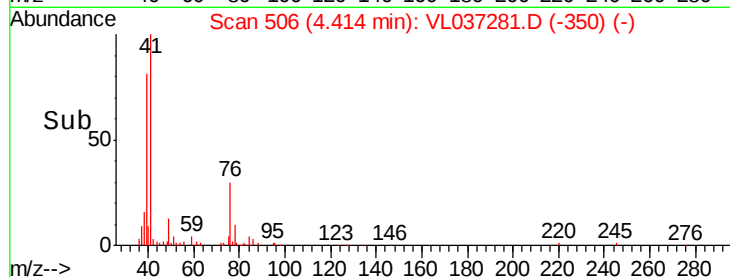
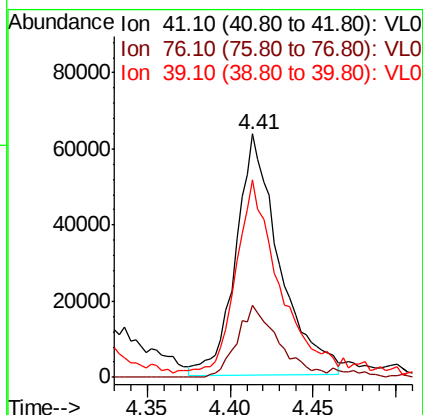
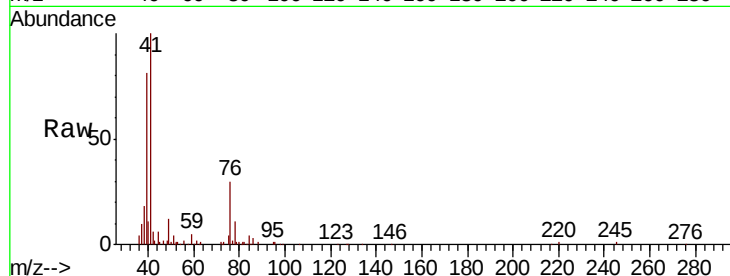




#21
Allvl Chloride
Concen: 1.002 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

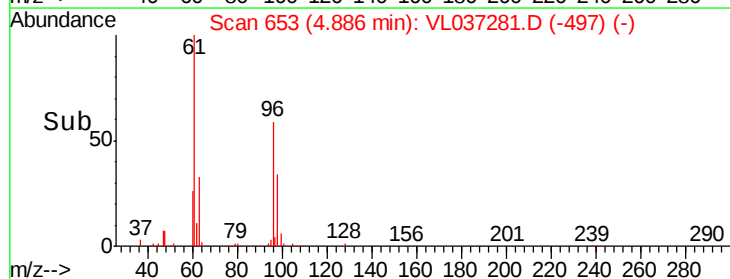
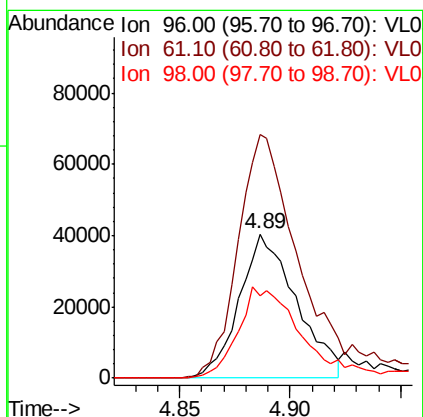
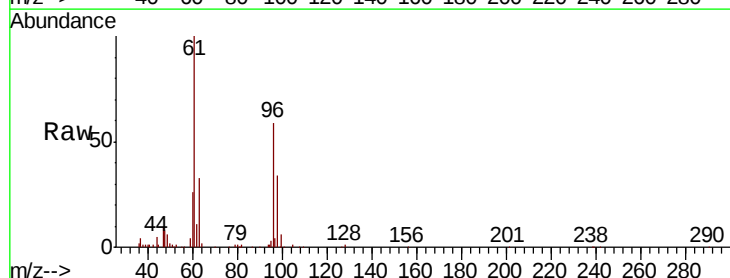
Instrument :
MSVOA_L
ClientSampleId :

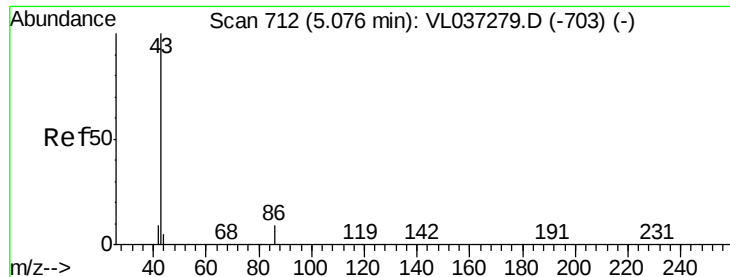
Tot Ion: 41 Resp: 116730
Ion Ratio Lower Upper
41 100
76 30.6 23.6 35.4
39 87.4 63.8 95.6



#22
trans-1,2-Dichloroethene
Concen: 0.924 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 96 Resp: 72442
Ion Ratio Lower Upper
96 100
61 168.0 131.8 197.6
98 57.4 51.4 77.2

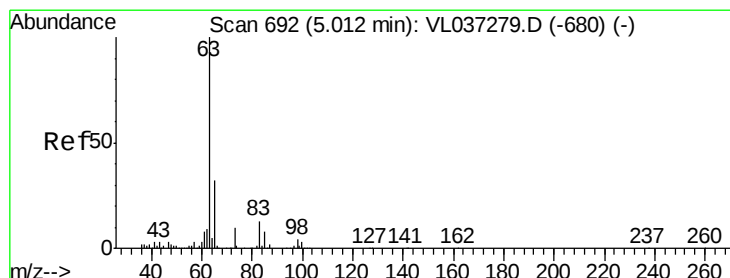
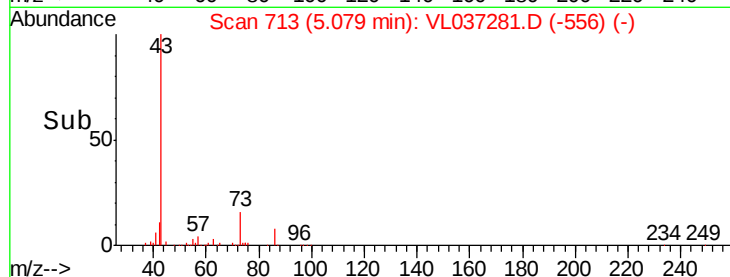
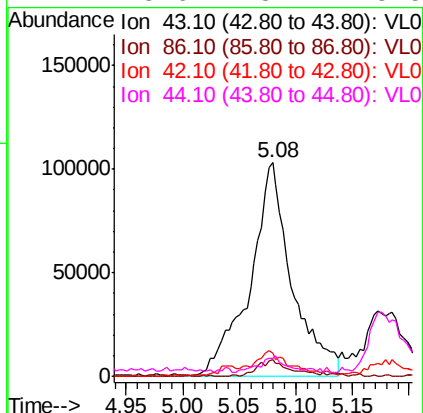
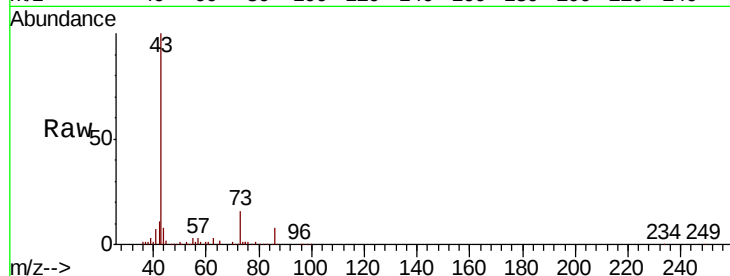




#23
 Vinyl Acetate
 Concen: 1.219 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

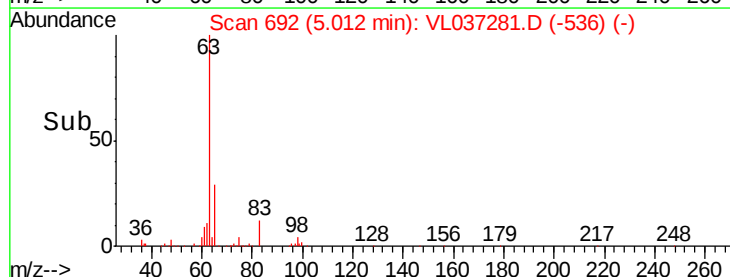
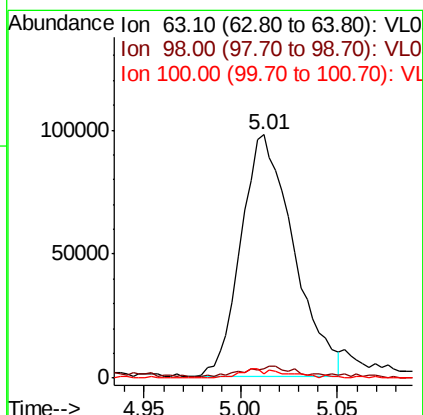
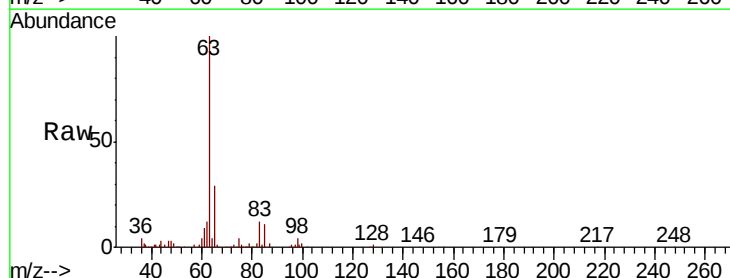
Instrument :
 MSVOA_L
 ClientSampleId :

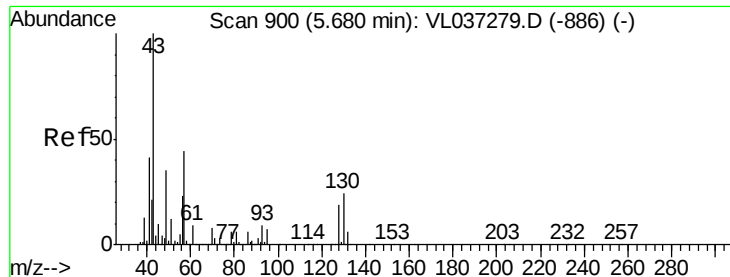
Tot Ion:	43	Resp:	266461
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.2	9.2
42	10.5	8.2	12.4
44	5.6	3.7	5.5#



#24
 1,1-Dichloroethane
 Concen: 1.044 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion:	63	Resp:	185145
Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.4	7.1
100	1.8	1.4	4.0

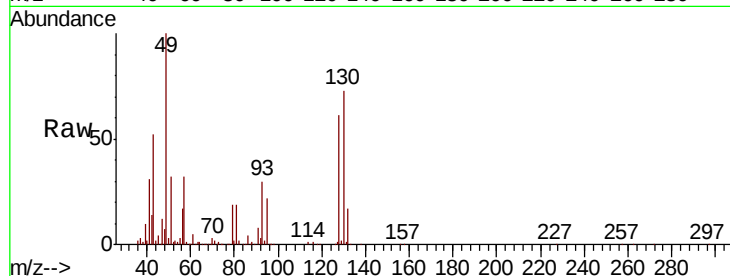




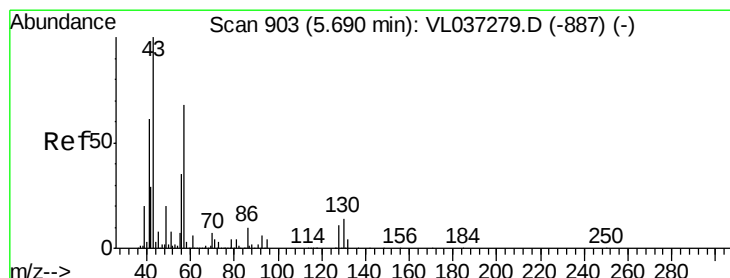
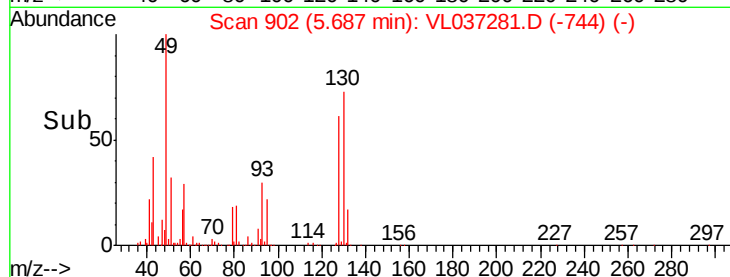
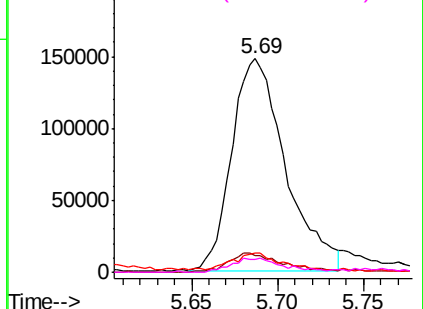
#25
Ethyl Acetate
Concen: 0.964 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	319266
Ion	Ratio	Lower	Upper
43	100		
45	8.9	7.8	11.6
61	9.3	8.0	12.0
70	7.0	5.4	8.2

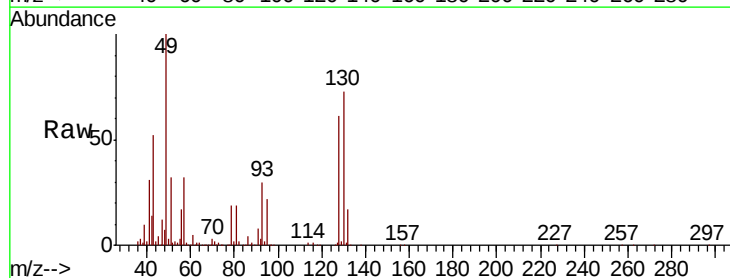


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

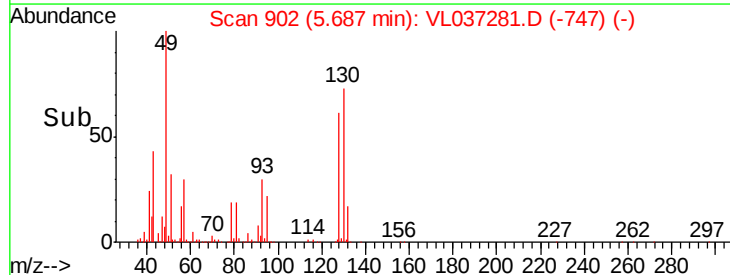
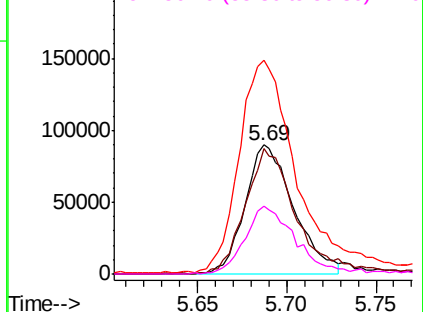


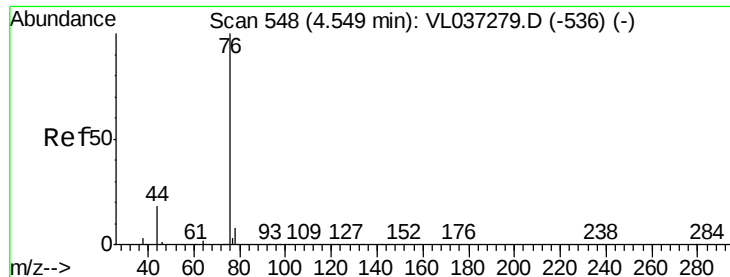
#26
Hexane
Concen: 1.026 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion:	57	Resp:	171141
Ion	Ratio	Lower	Upper
57	100		
41	105.9	75.7	113.5
43	209.7	172.2	258.2
56	56.8	42.9	64.3



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.890 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :

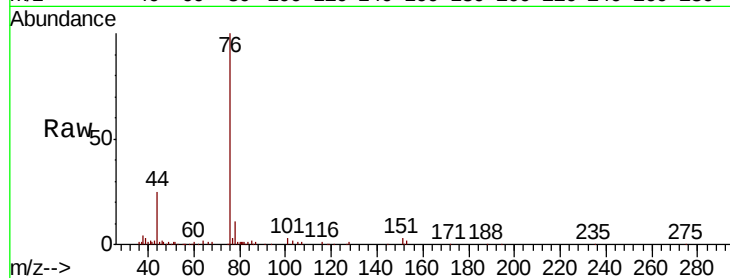
Tot Ion: 76 Resp: 146680

Ion Ratio Lower Upper

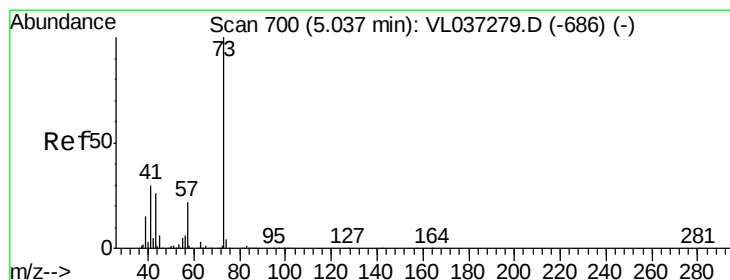
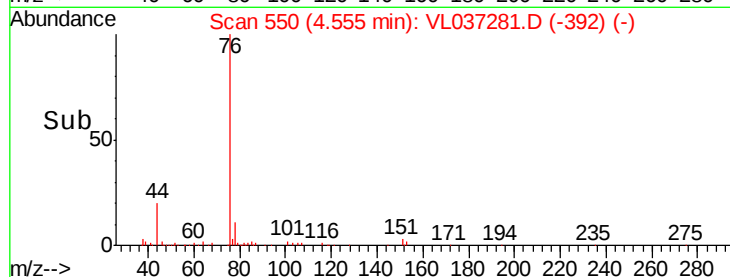
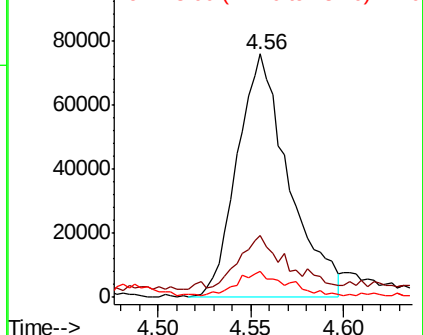
76 100

44 22.3 15.8 23.8

78 11.6 8.4 12.6



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: 0.984 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL037281.D

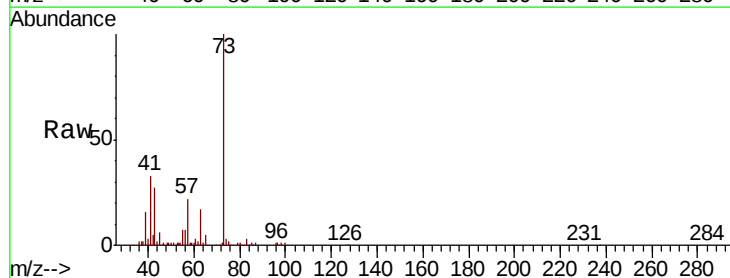
Acq: 27 Jul 2021 3:53

Tgt Ion: 73 Resp: 197370

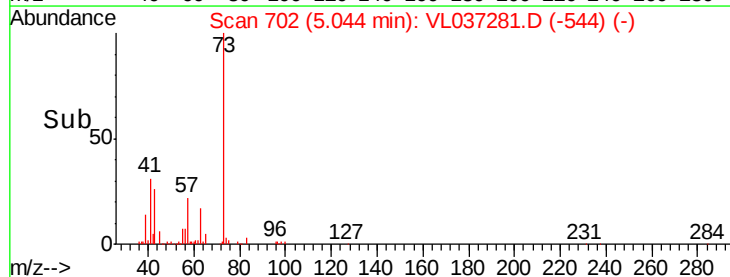
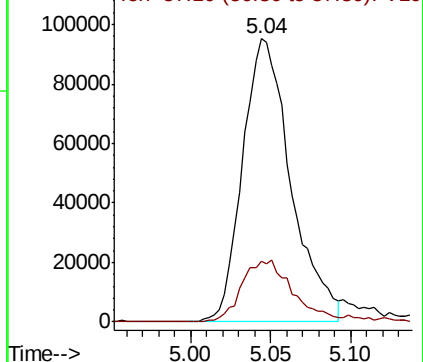
Ion Ratio Lower Upper

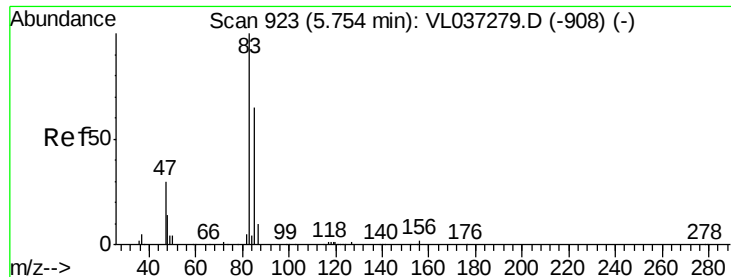
73 100

57 23.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

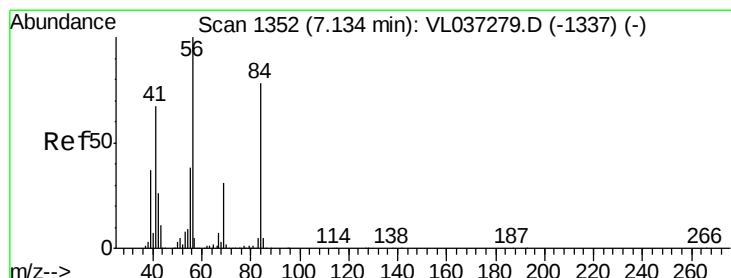
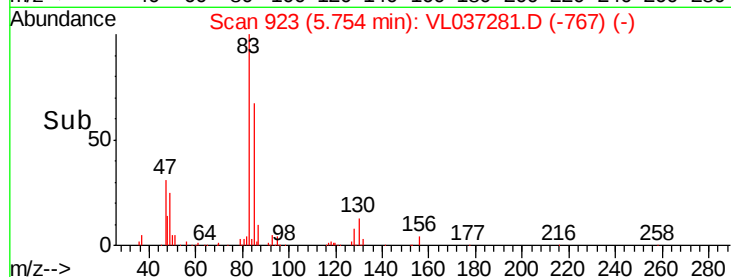
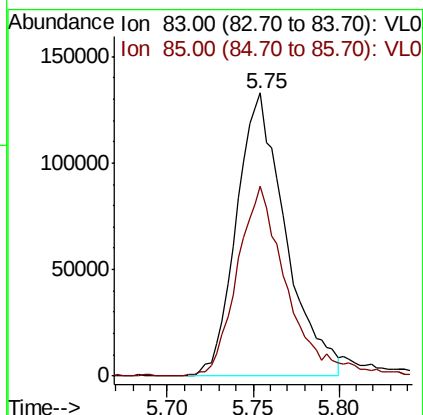
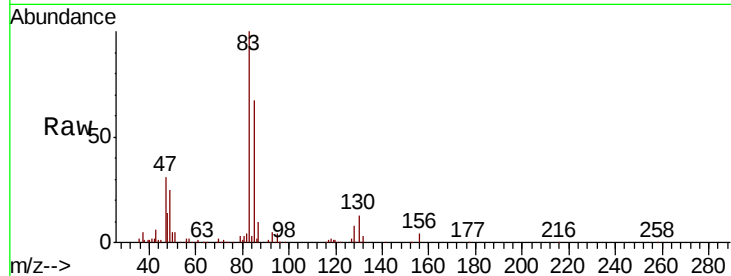




#29
Chloroform
Concen: 1.007 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

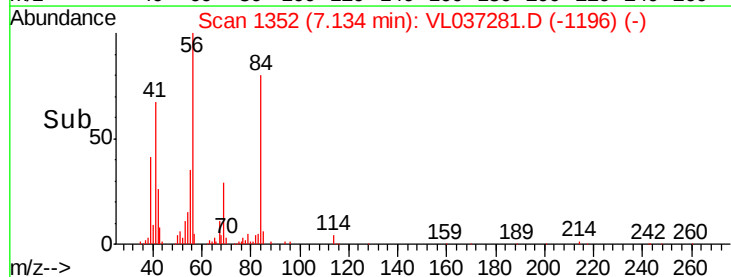
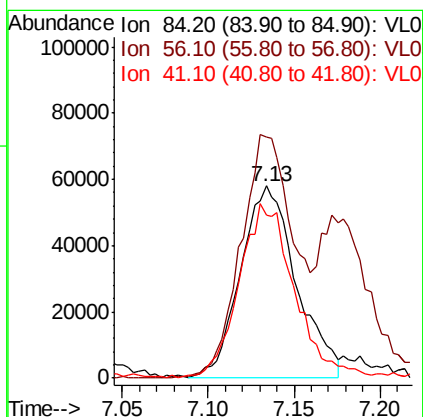
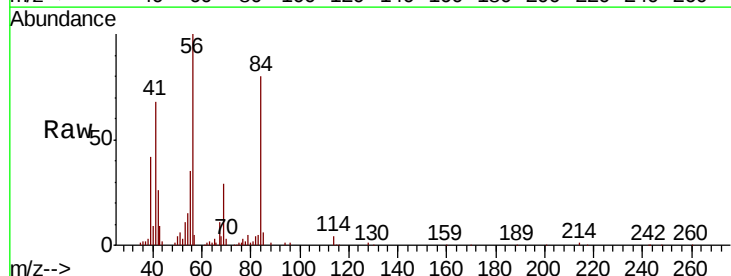
Instrument :
MSVOA_L
ClientSampleId :

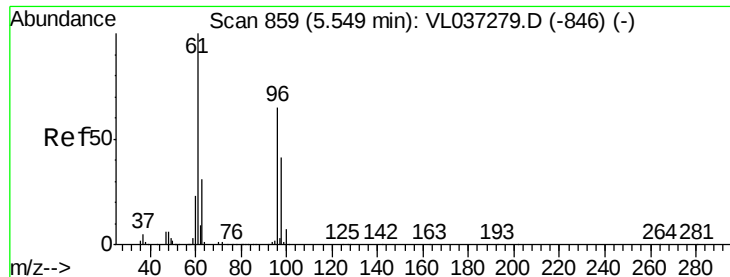
Tot Ion: 83 Resp: 261577
Ion Ratio Lower Upper
83 100
85 66.8 52.2 78.2



#30
Cyclohexane
Concen: 0.942 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 84 Resp: 131052
Ion Ratio Lower Upper
84 100
56 125.1 106.3 159.5
41 89.6 68.6 103.0





#31

cis-1,2-Dichloroethene

Concen: 0.897 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

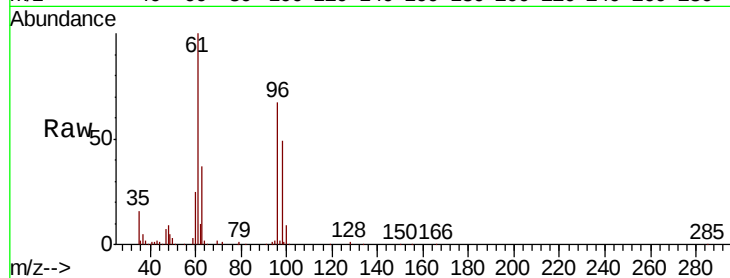
Tot Ion: 61 Resp: 137964

Ion Ratio Lower Upper

61 100

96 67.5 52.1 78.1

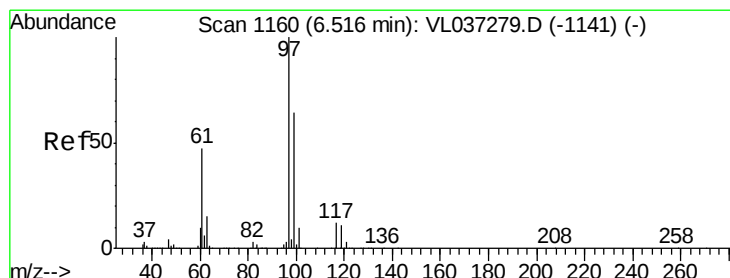
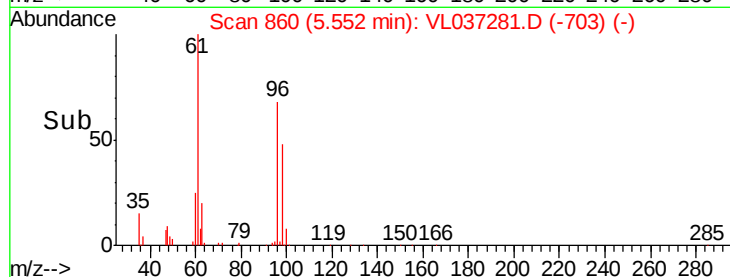
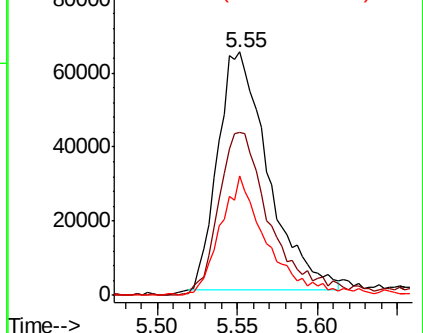
98 49.1 32.6 49.0#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.969 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

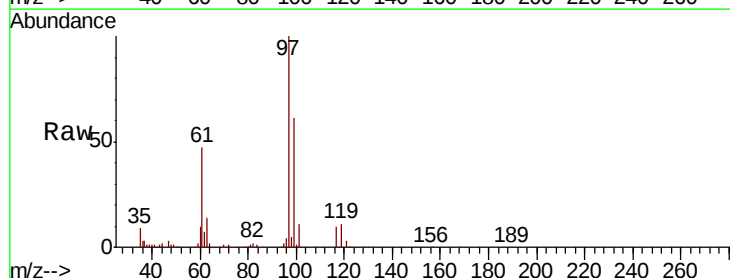
Tgt Ion: 97 Resp: 267848

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

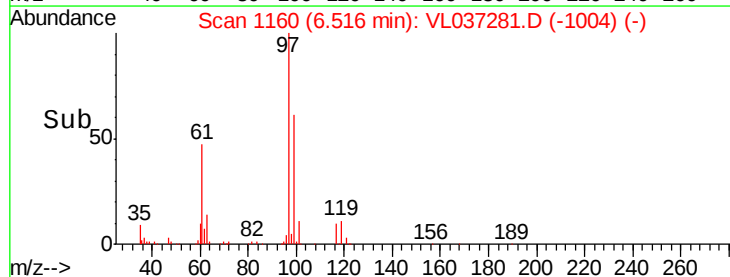
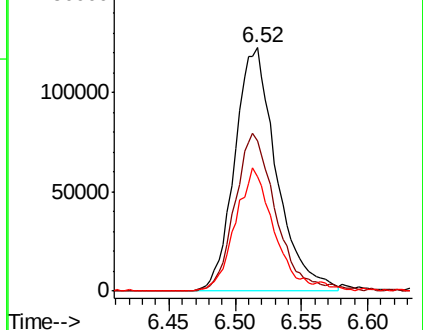
61 48.9 39.1 58.7

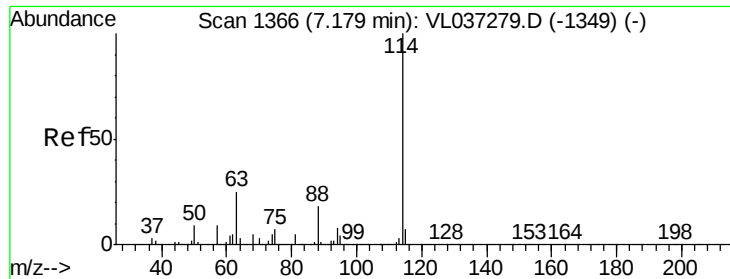


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

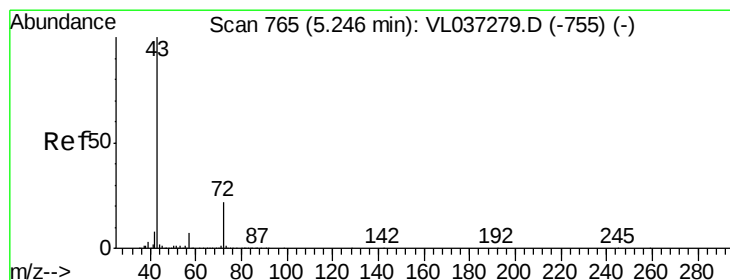
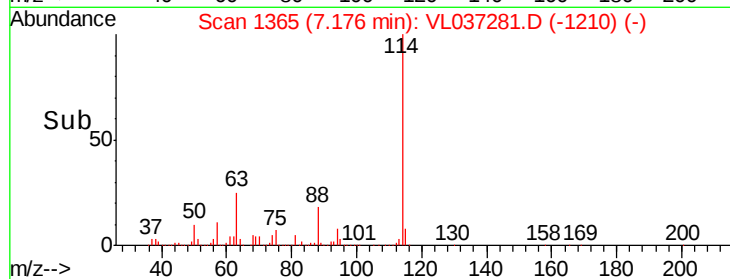
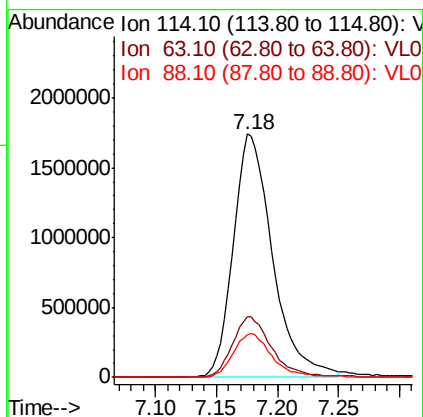
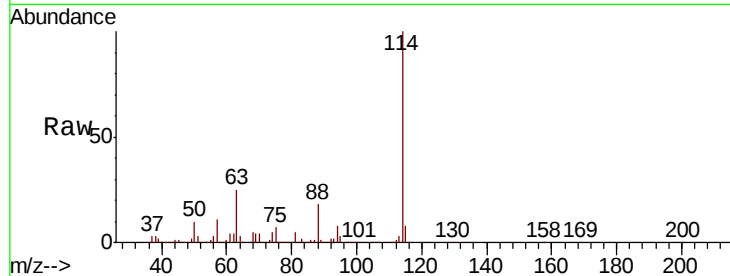




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

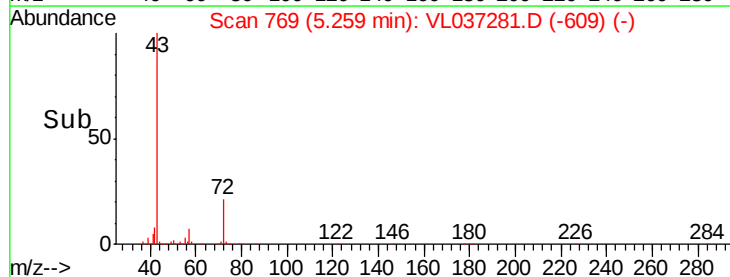
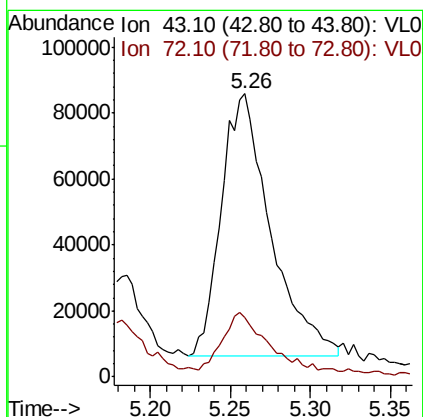
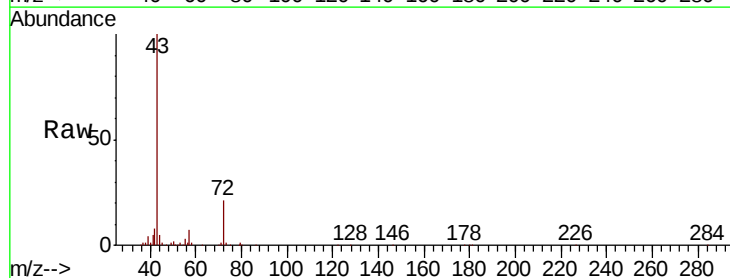
Instrument :
 MSVOA_L
 ClientSampleId :

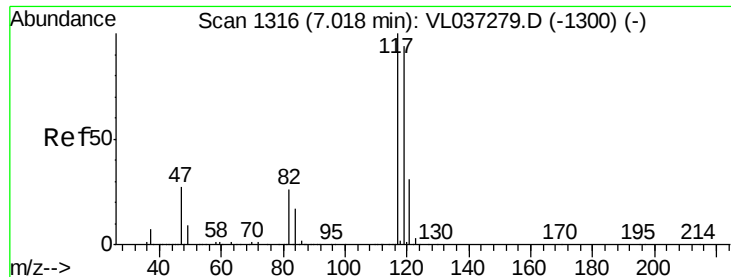
Tot Ion:114 Resp: 3891898
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.2 30.2
 88 17.9 14.2 21.4



#34
 2-Butanone
 Concen: 1.089 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion: 43 Resp: 168171
 Ion Ratio Lower Upper
 43 100
 72 27.5 17.9 26.9#

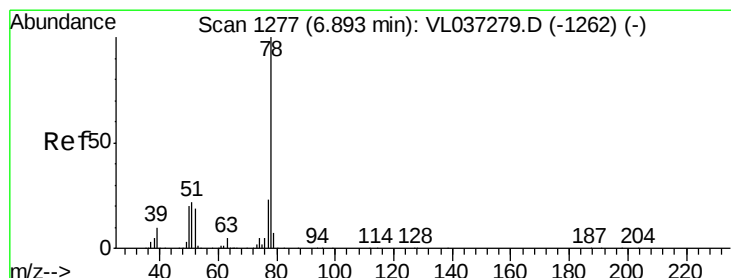
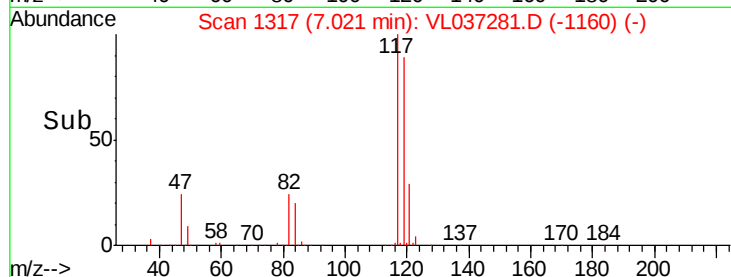
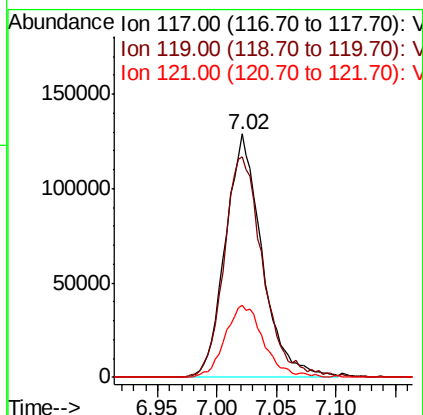
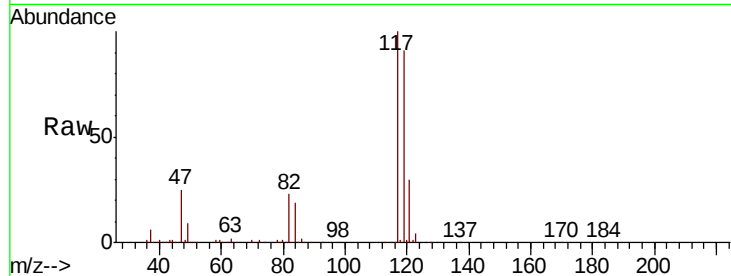




#35
Carbon Tetrachloride
Concen: 1.038 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

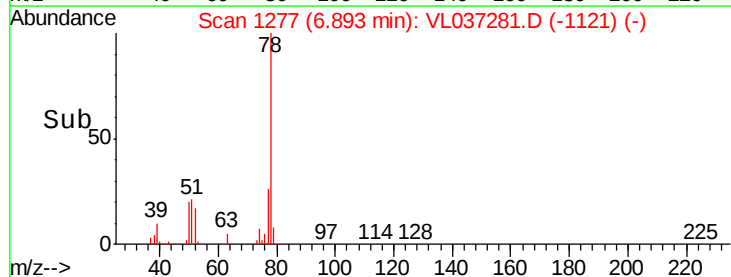
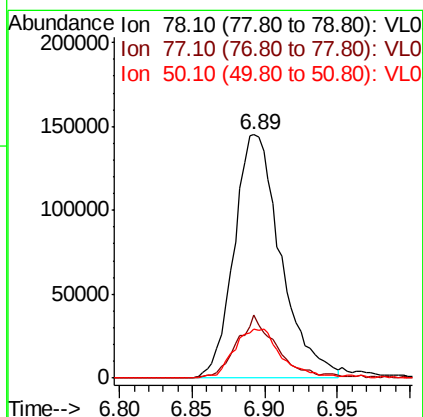
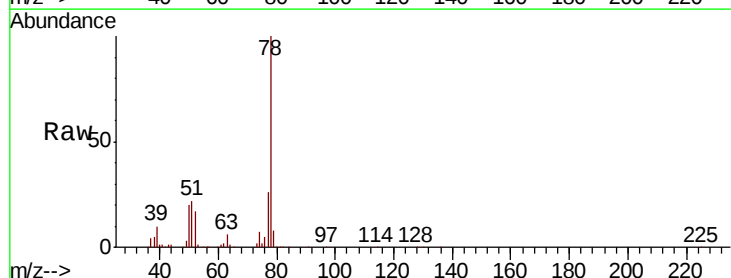
Instrument :
MSVOA_L
ClientSampleId :

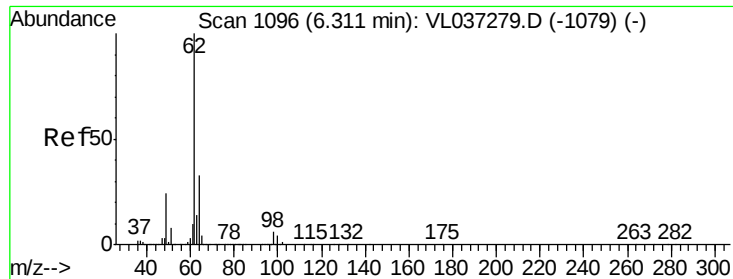
Tot Ion:117 Resp: 274432
Ion Ratio Lower Upper
117 100
119 90.4 75.4 113.0
121 29.5 24.8 37.2



#36
Benzene
Concen: 1.026 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 78 Resp: 324863
Ion Ratio Lower Upper
78 100
77 26.2 18.5 27.7
50 20.2 16.2 24.4

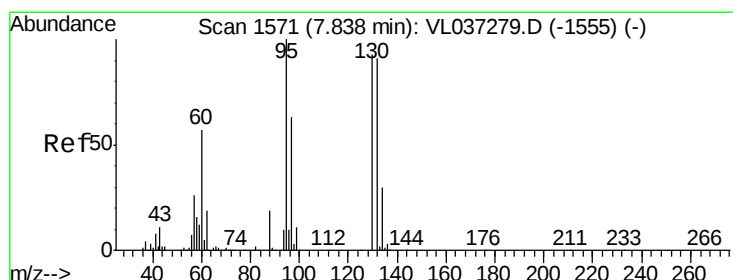
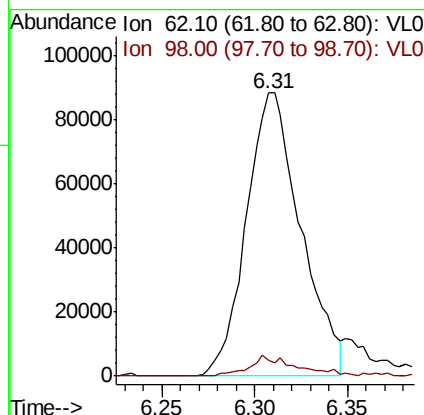
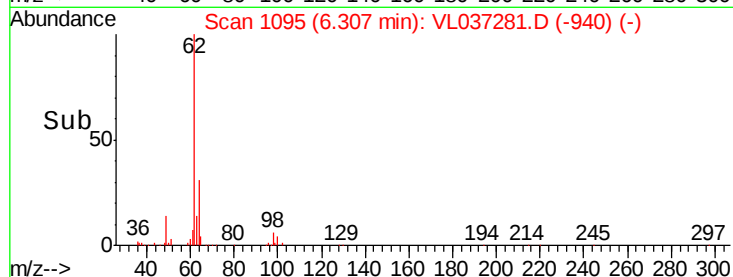
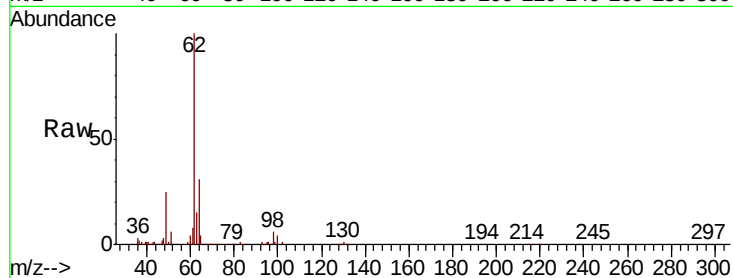




#37
 1,2-Dichloroethane
 Concen: 0.968 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

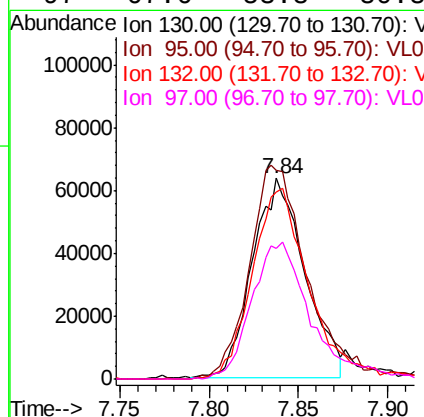
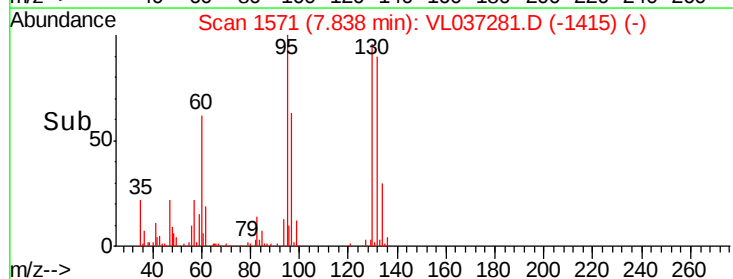
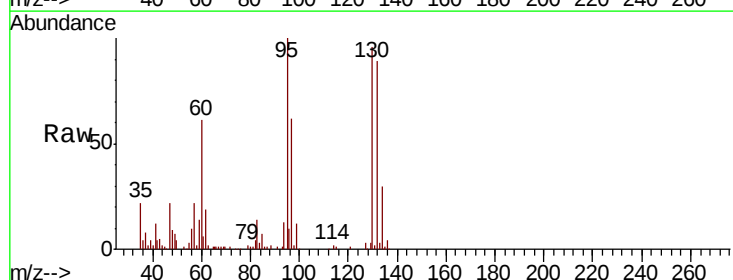
Instrument :
 MSVOA_L
 ClientSampleId :

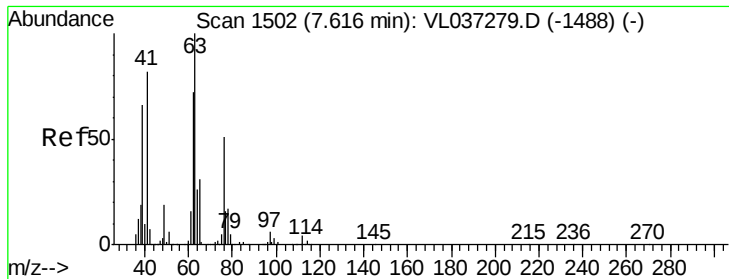
Tot Ion: 62 Resp: 180462
 Ion Ratio Lower Upper
 62 100
 98 6.8 4.9 7.3



#38
 Trichloroethene
 Concen: 0.864 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion: 130 Resp: 130156
 Ion Ratio Lower Upper
 130 100
 95 108.4 86.2 129.2
 132 96.6 78.0 117.0
 97 67.6 53.8 80.8

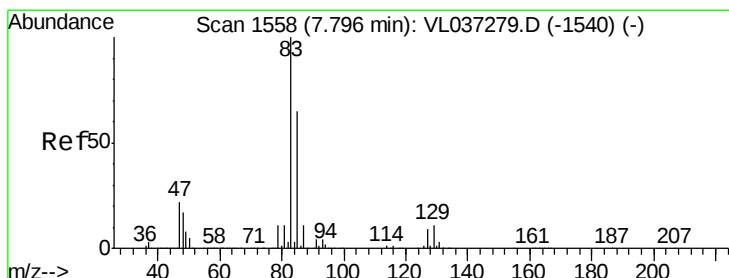
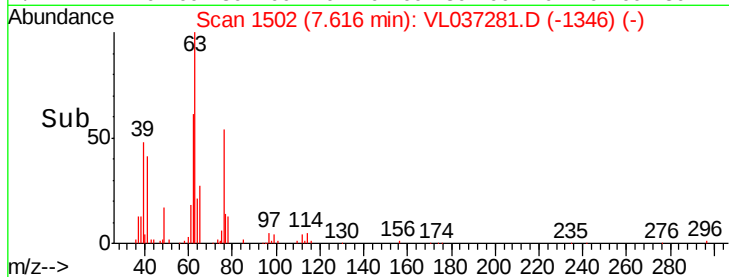
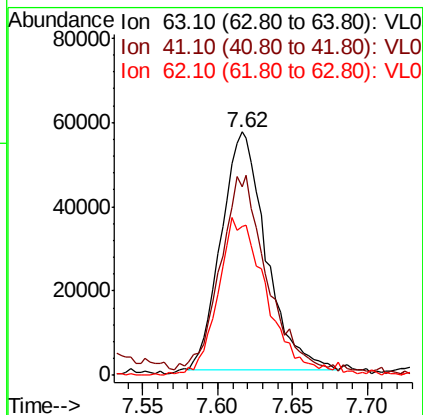
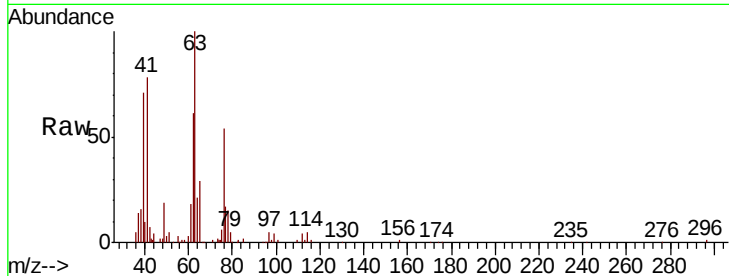




#39
 1,2-Dichloropropane
 Concen: 1.001 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

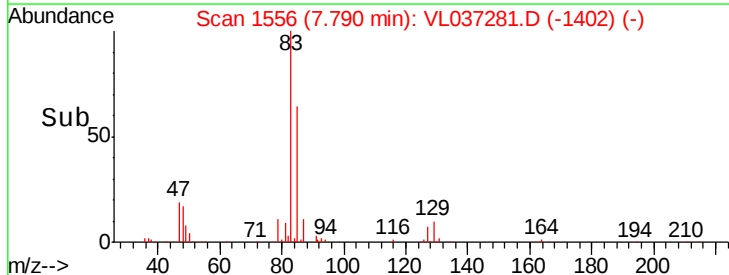
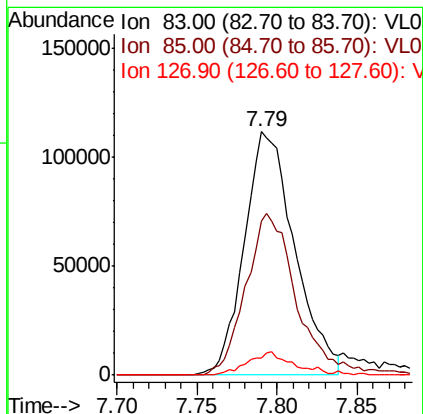
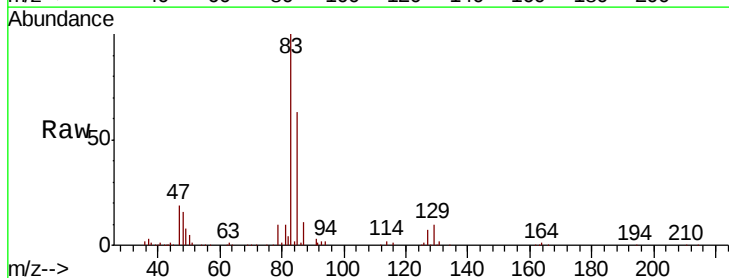
Instrument :
 MSVOA_L
 ClientSampleId :

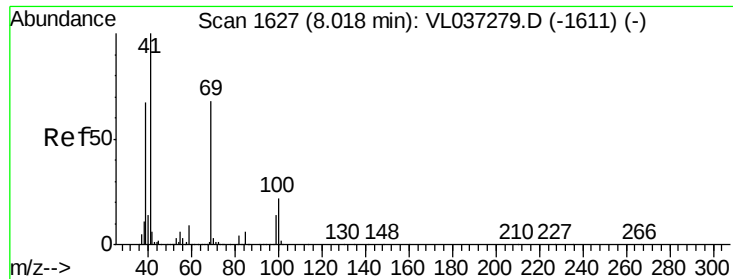
Tot Ion: 63 Resp: 117792
 Ion Ratio Lower Upper
 63 100
 41 76.7 65.6 98.4
 62 59.6 57.9 86.9



#42
 Bromodichloromethane
 Concen: 0.951 ppbv
 RT: 7.79 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion: 83 Resp: 242321
 Ion Ratio Lower Upper
 83 100
 85 63.1 51.7 77.5
 127 7.1 7.4 11.0#





#43

Methyl Methacrylate

Concen: 0.894 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

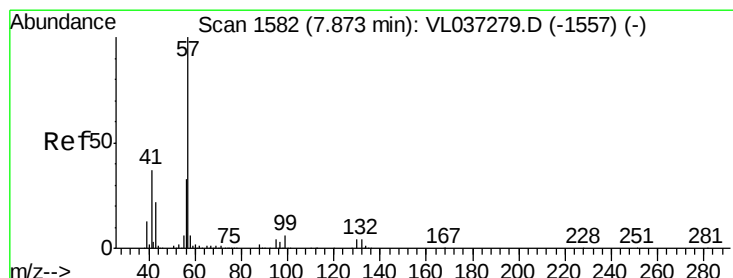
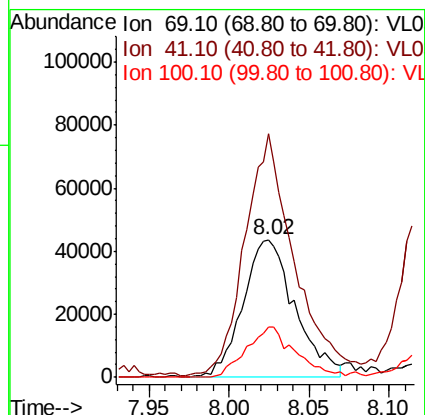
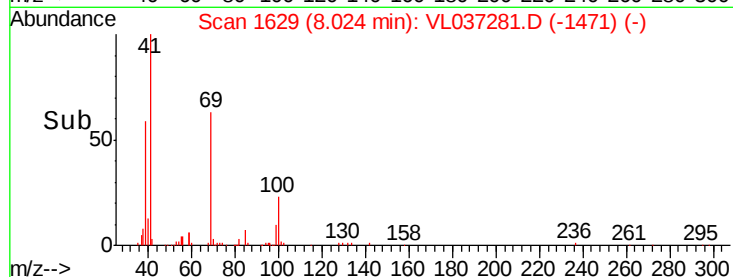
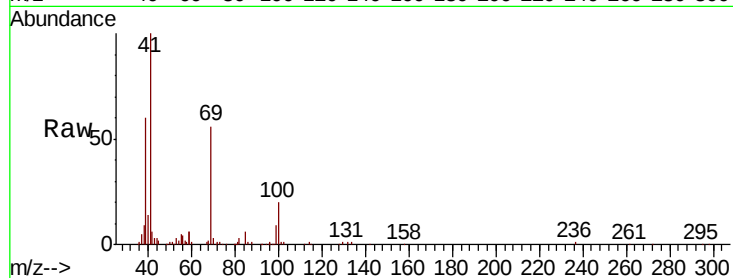
Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 97926

Ion	Ratio	Lower	Upper
69	100		
41	166.0	121.5	182.3
100	34.6	27.4	41.2



#44

2,2,4-Trimethylpentane

Concen: 1.042 ppbv

RT: 7.87 min Scan# 1581

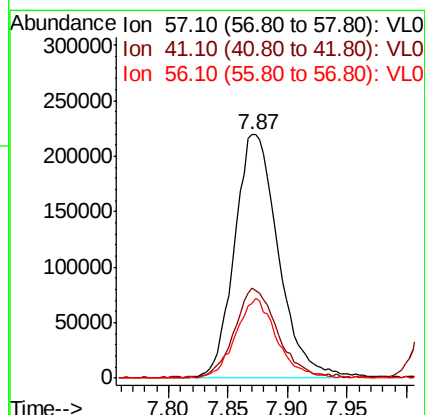
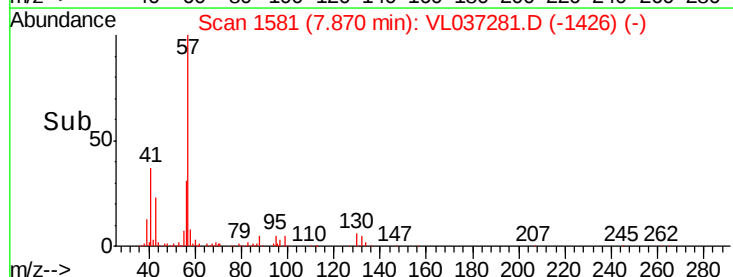
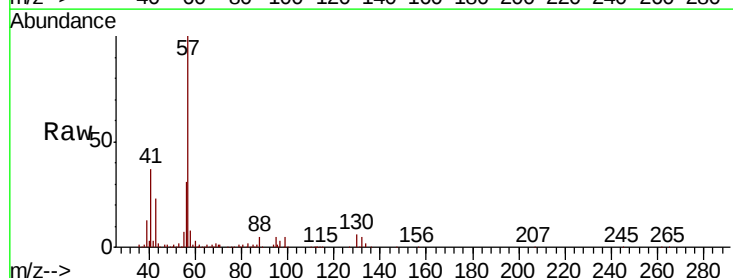
Delta R.T. -0.00 min

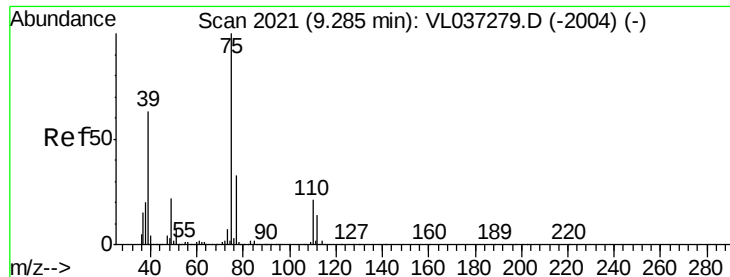
Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion: 57 Resp: 557663

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.9	43.3
56	31.4	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 0.390 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

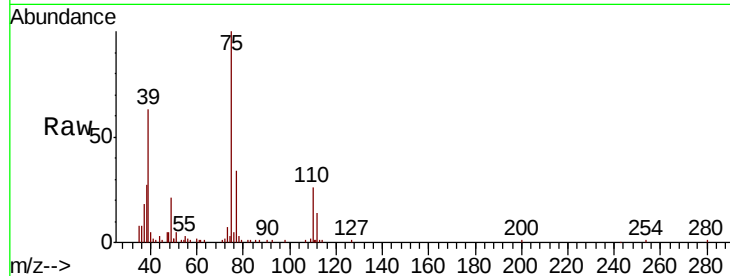
ClientSampleId :

Tot Ion: 75 Resp: 36817

Ion Ratio Lower Upper

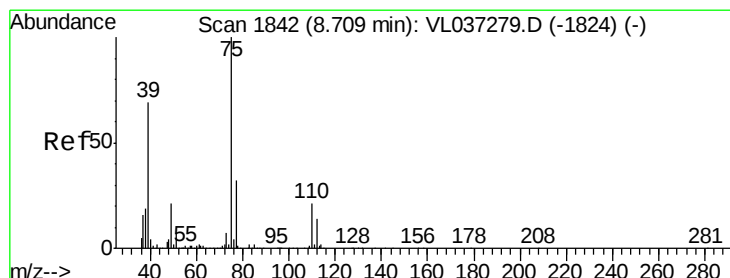
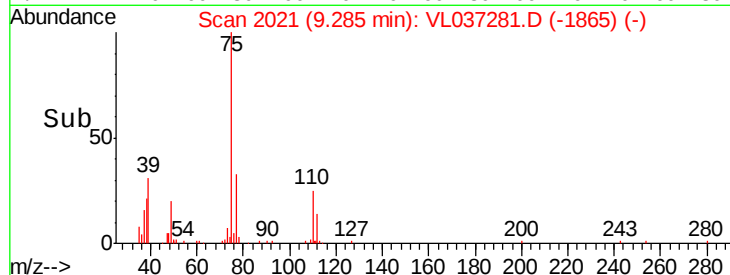
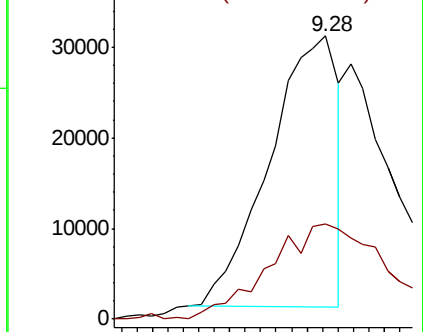
75 100

77 33.8 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.853 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

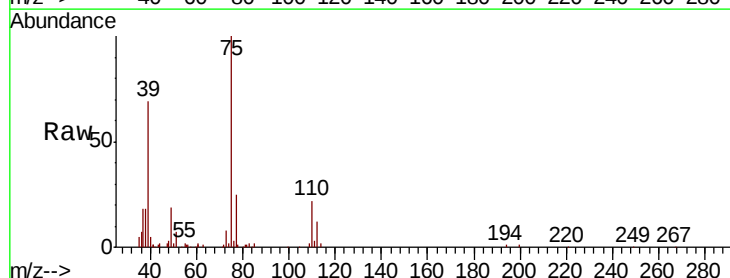
Tgt Ion: 75 Resp: 110574

Ion Ratio Lower Upper

75 100

39 67.3 55.3 82.9

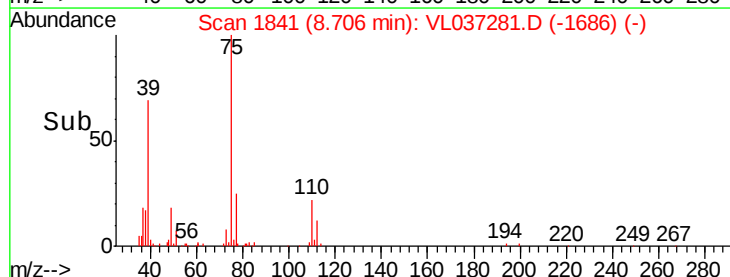
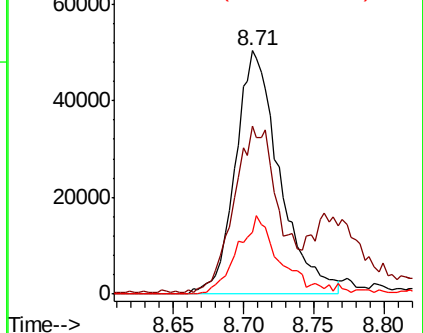
77 25.3 25.7 38.5#

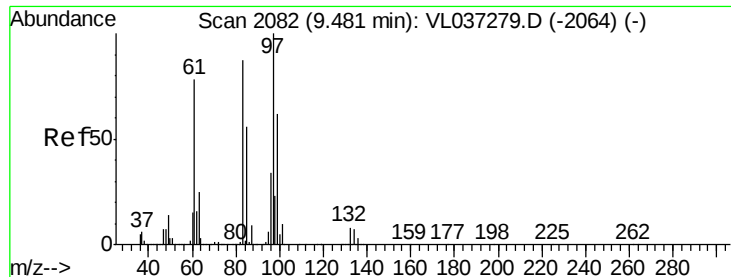


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

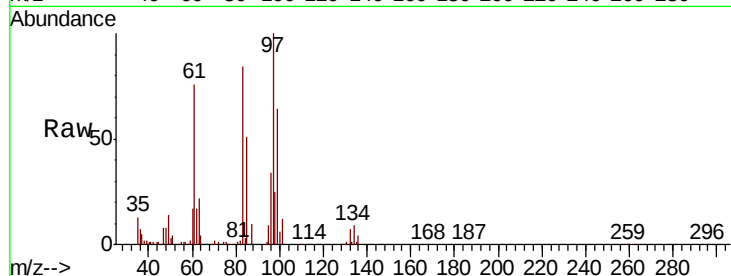




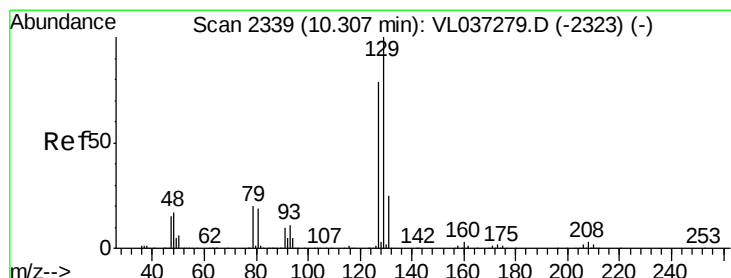
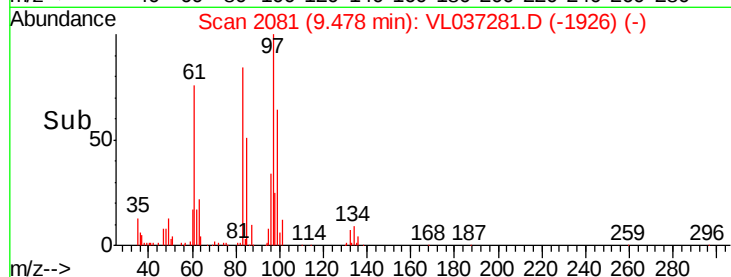
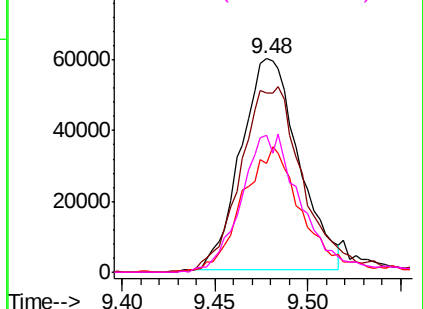
#47
 1,1,2-Trichloroethane
 Concen: 0.962 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	97	Resp:	129643
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.8
85	50.5	44.9	67.3
99	64.7	49.8	74.6

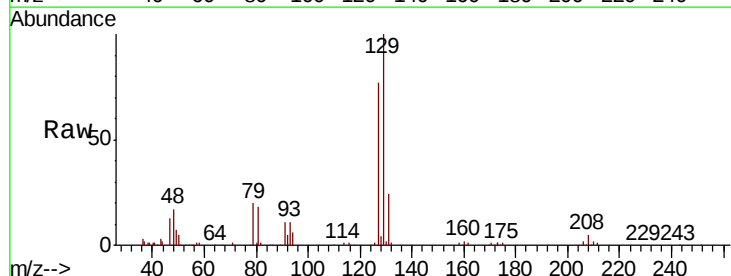


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

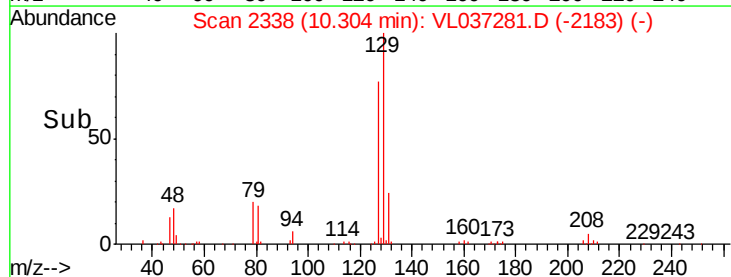
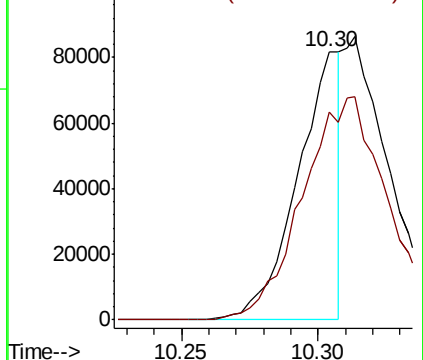


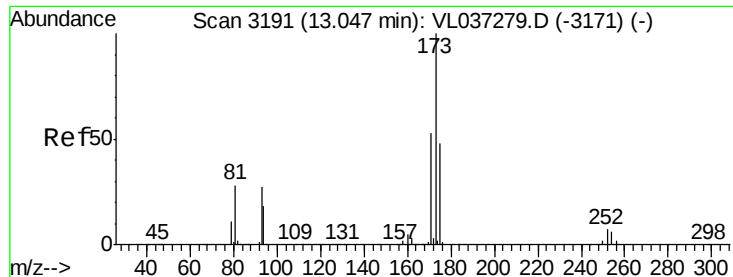
#48
 Dibromochloromethane
 Concen: 0.418 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion:	129	Resp:	89483
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.8#



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.861 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

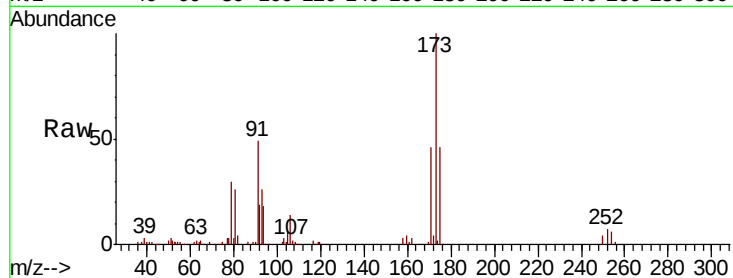
Tot Ion:173 Resp: 139157

Ion Ratio Lower Upper

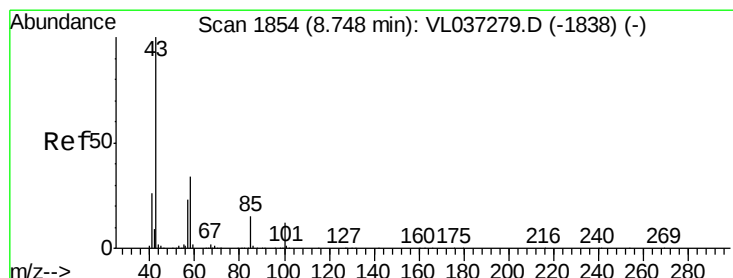
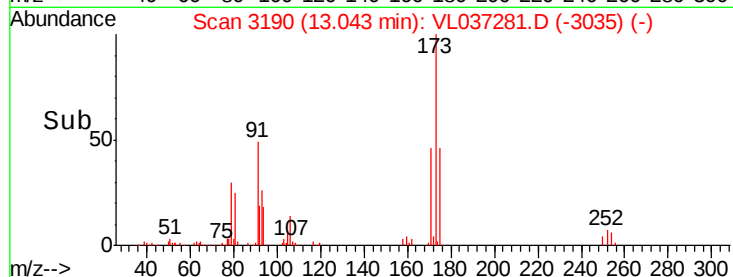
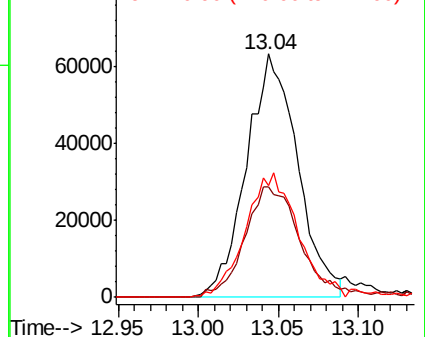
173 100

175 50.8 39.7 59.5

171 52.9 41.9 62.9



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: 0.447 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL037281.D

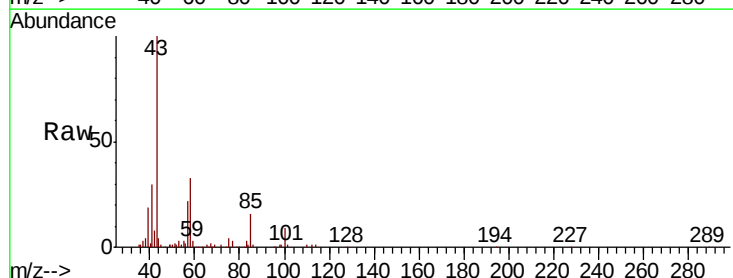
Acq: 27 Jul 2021 3:53

Tgt Ion: 43 Resp: 94804

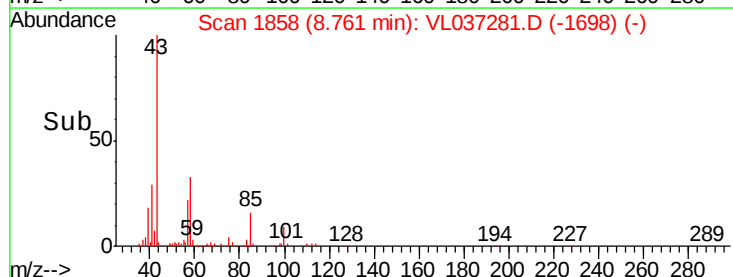
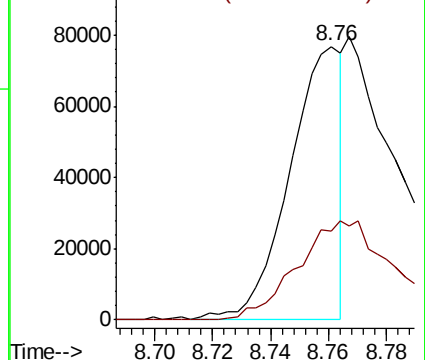
Ion Ratio Lower Upper

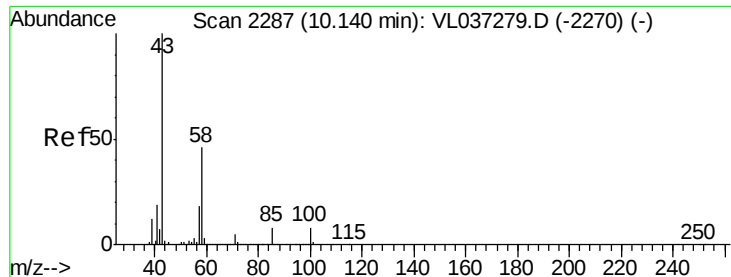
43 100

58 0.0 28.1 42.1#



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

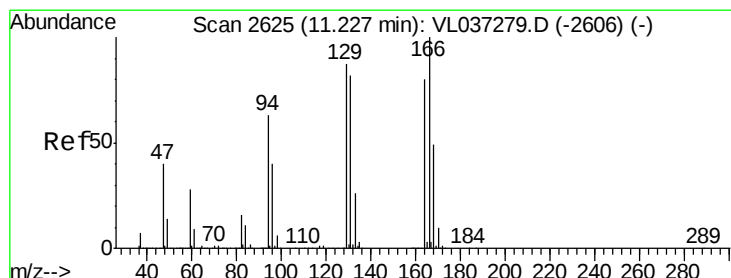
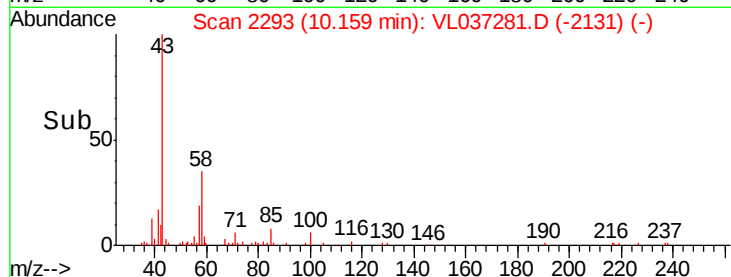
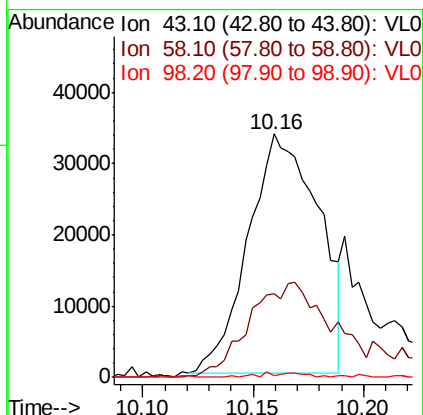
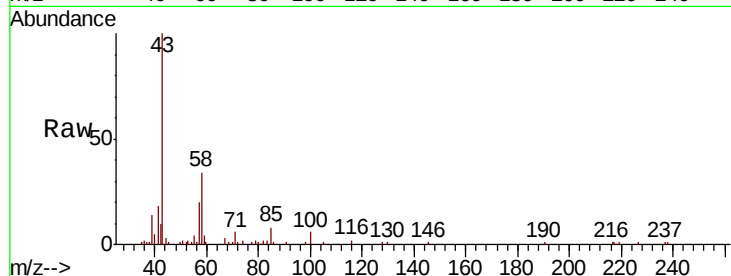




#51
2-Hexanone
Concen: 0.713 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

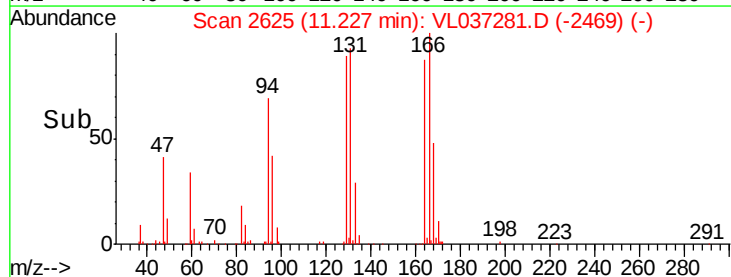
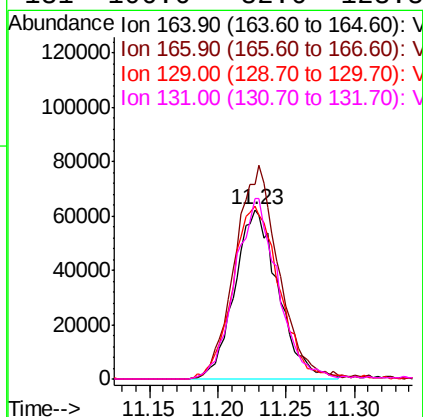
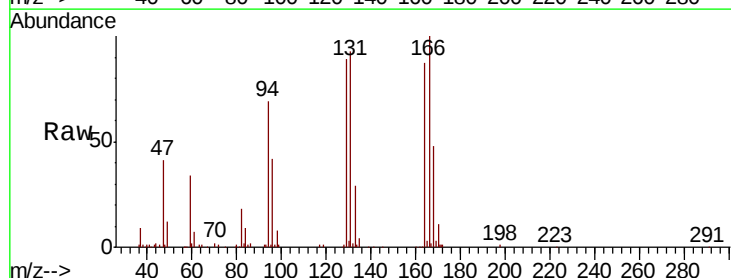
Instrument :
MSVOA_L
ClientSampleId :

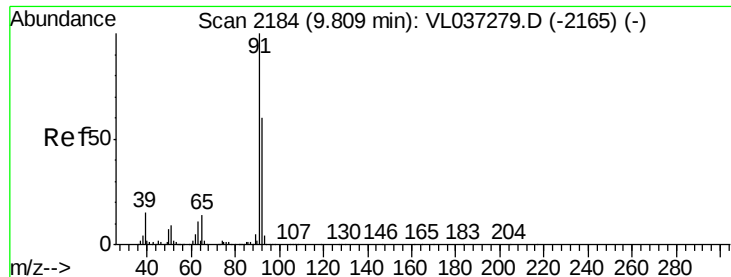
Tot Ion: 43 Resp: 74087
Ion Ratio Lower Upper
43 100
58 58.6 37.1 55.7#
98 1.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.941 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 164 Resp: 138140
Ion Ratio Lower Upper
164 100
166 114.5 100.6 151.0
129 102.1 87.8 131.6
131 106.6 82.6 123.8





#53

Toluene

Concen: 0.953 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

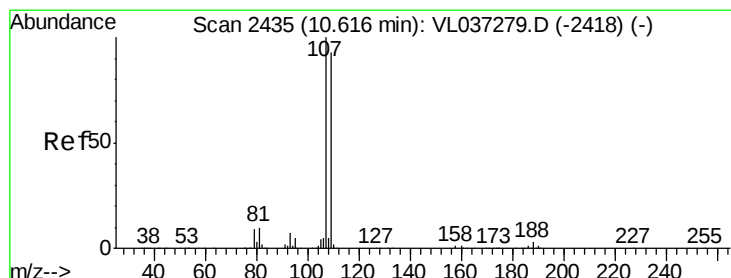
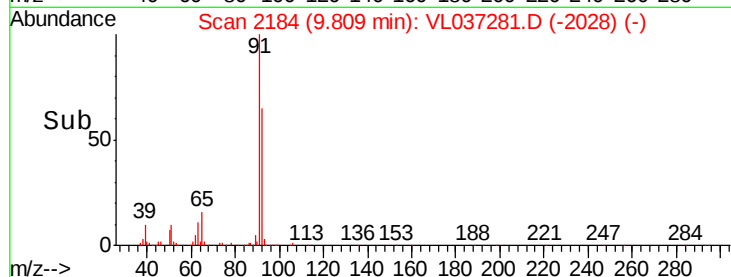
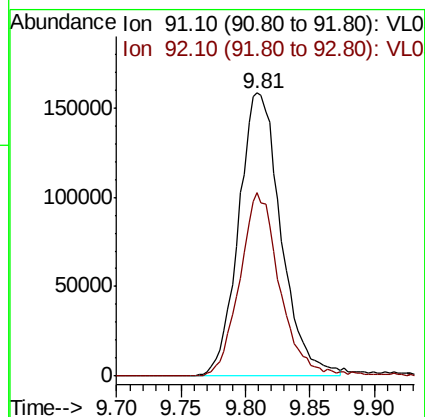
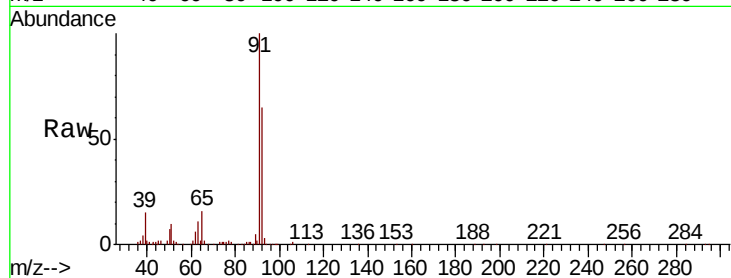
ClientSampleId :

Tot Ion: 91 Resp: 361697

Ion Ratio Lower Upper

91 100

92 62.0 48.1 72.1



#54

1,2-Dibromoethane

Concen: 1.006 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037281.D

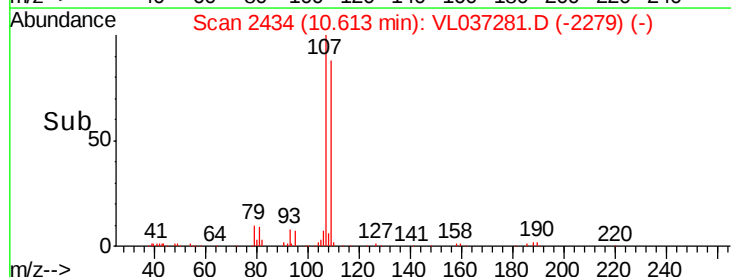
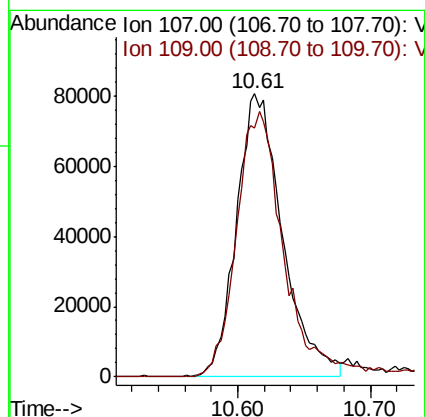
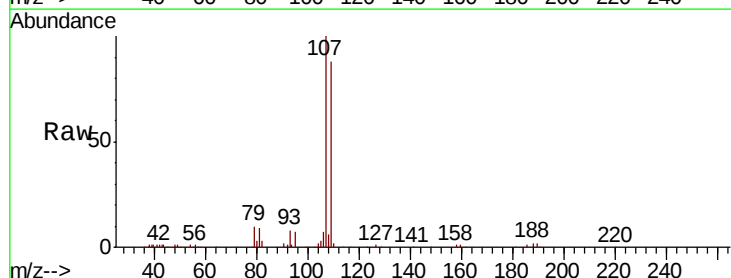
Acq: 27 Jul 2021 3:53

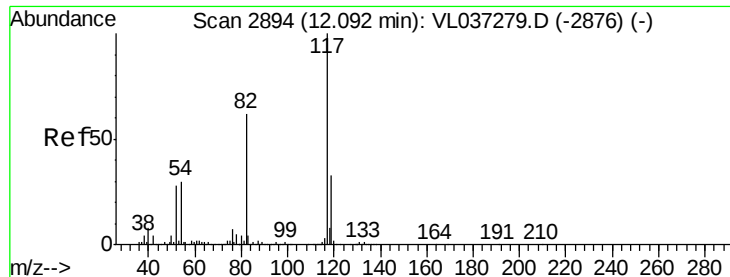
Tgt Ion: 107 Resp: 195169

Ion Ratio Lower Upper

107 100

109 87.6 74.2 111.4

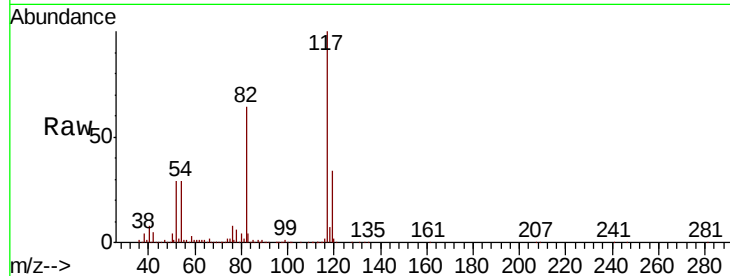




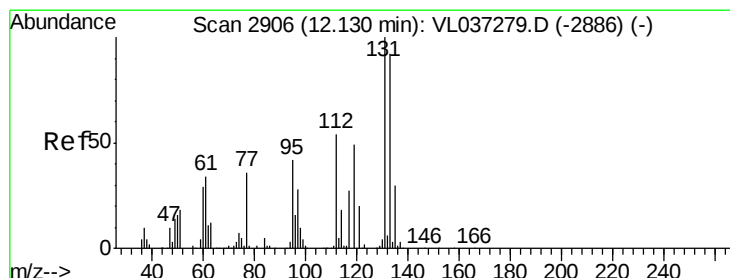
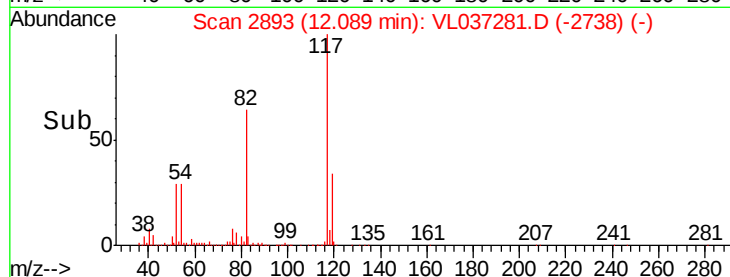
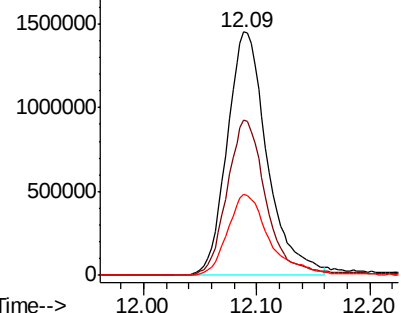
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3572644
Ion Ratio Lower Upper
117 100
82 63.5 52.3 78.5
119 35.8 26.5 39.7

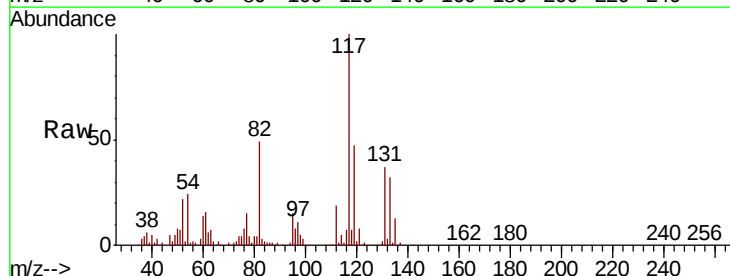


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

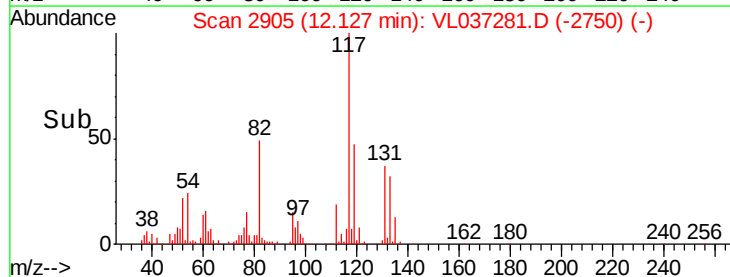
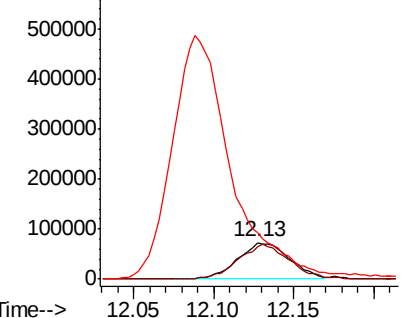


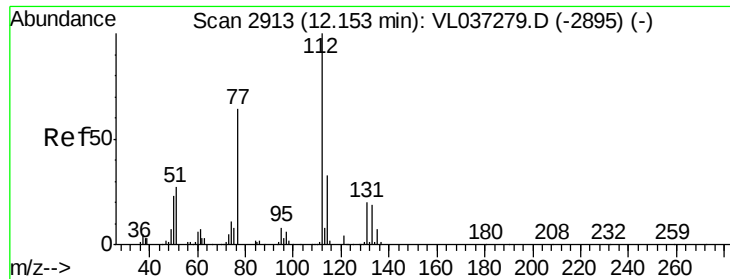
#56
1,1,1,2-Tetrachloroethane
Concen: 1.020 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion:131 Resp: 161756
Ion Ratio Lower Upper
131 100
133 95.9 76.4 114.6
119 795.6 106.1 159.1#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.518 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

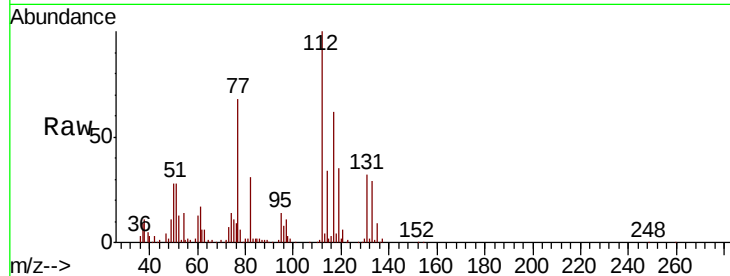
Tot Ion:112 Resp: 151716

Ion Ratio Lower Upper

112 100

77 57.3 51.7 77.5

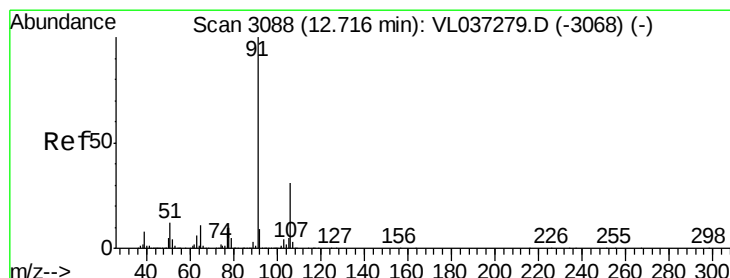
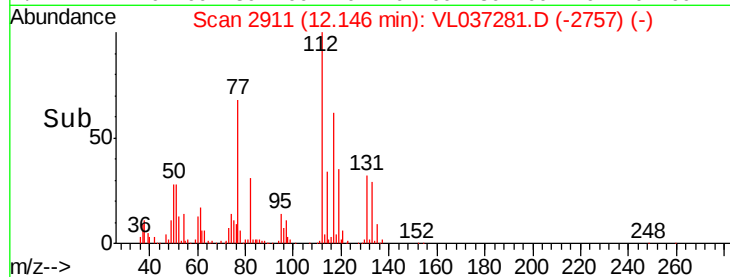
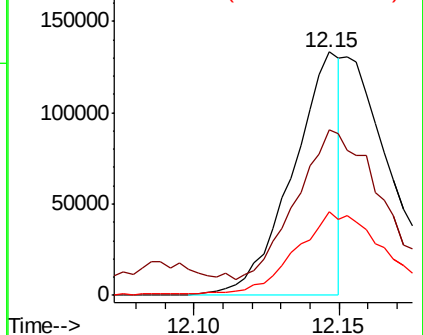
114 33.6 29.3 35.9



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: 1.024 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL037281.D

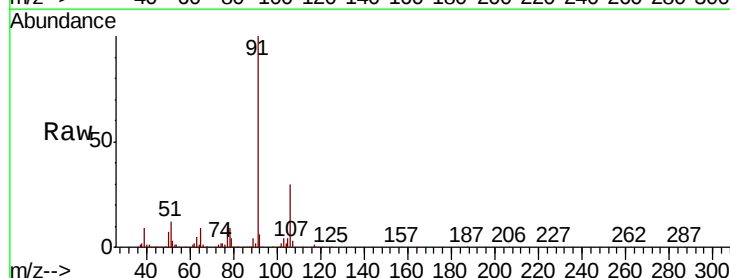
Acq: 27 Jul 2021 3:53

Tgt Ion: 91 Resp: 508148

Ion Ratio Lower Upper

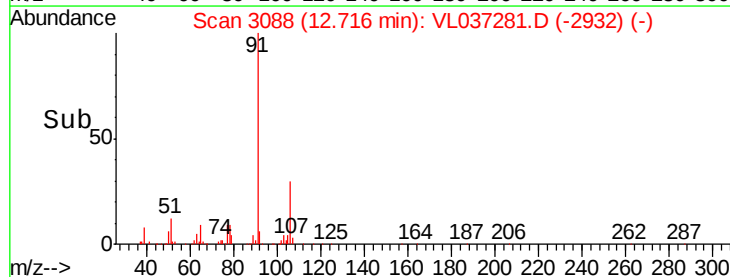
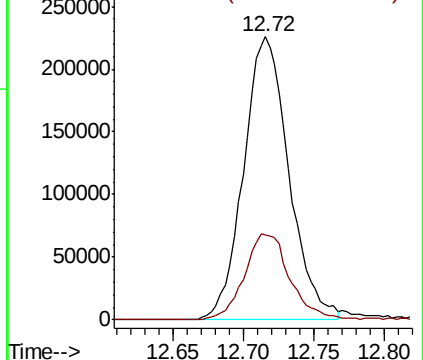
91 100

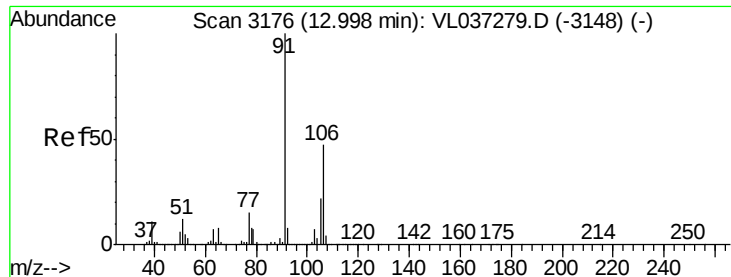
106 29.8 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

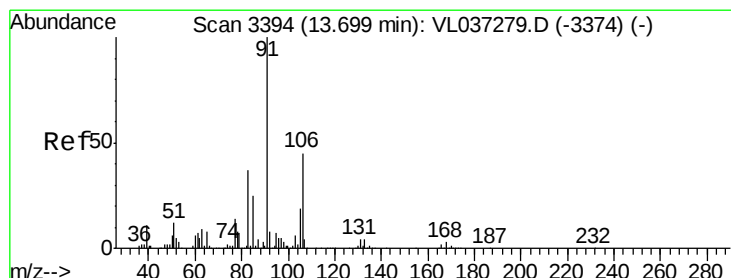
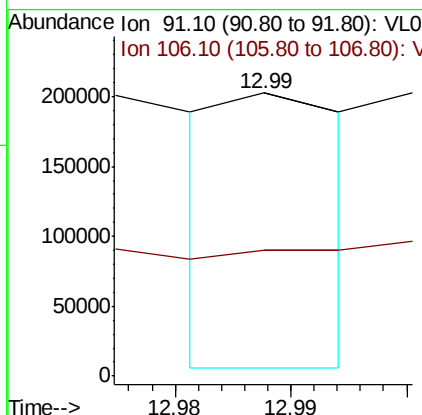
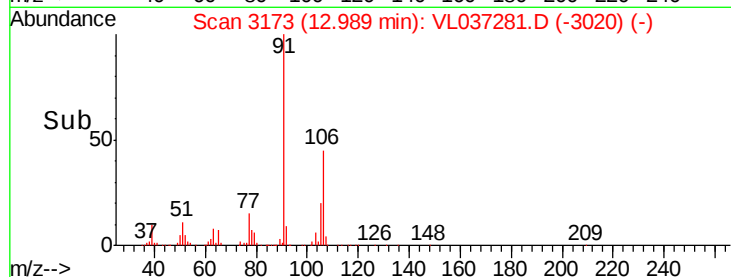
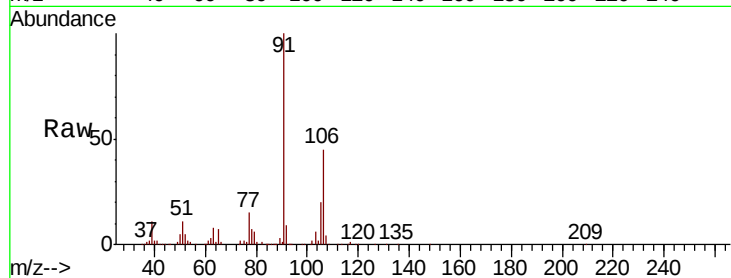




#59
m/p-Xylene
Concen: 0.174 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

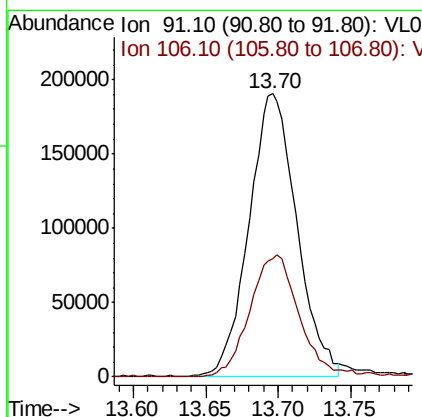
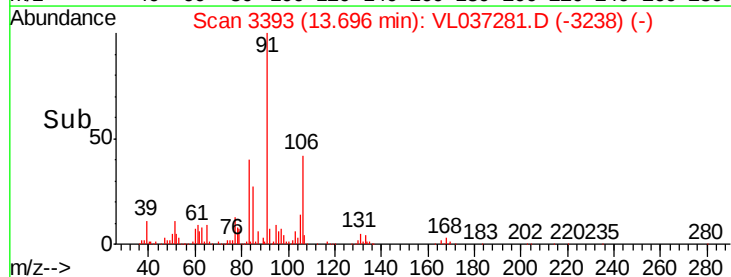
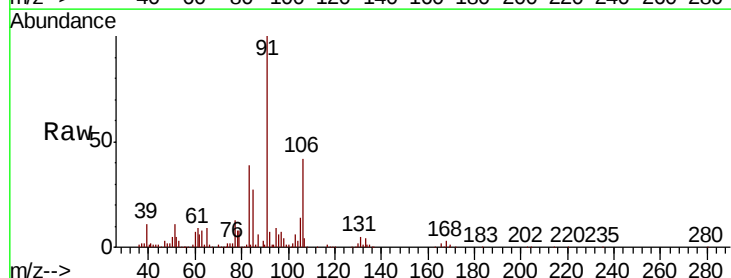
Instrument :
MSVOA_L
ClientSampled :

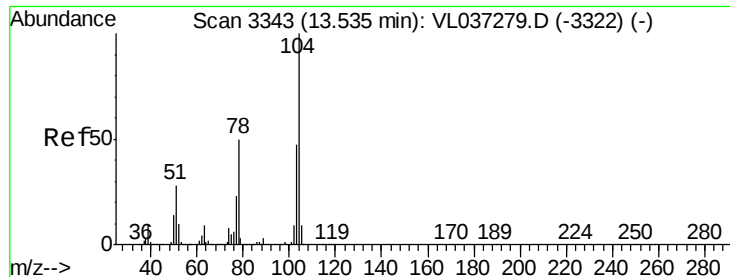
Tot Ion: 91 Resp: 73333
Ion Ratio Lower Upper
91 100
106 0.0 36.2 54.2#



#60
o-Xylene
Concen: 1.078 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 91 Resp: 434398
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.8





#61

Stvrene

Concen: 0.438 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

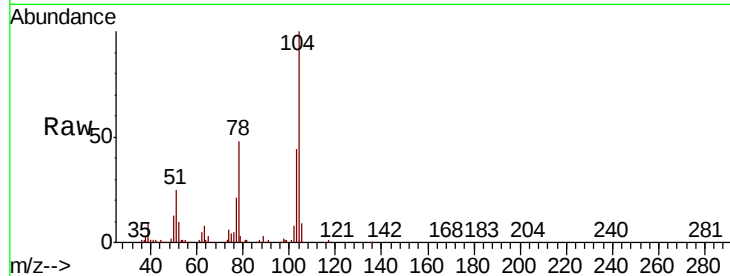
Tot Ion:104 Resp: 90163

Ion Ratio Lower Upper

104 100

78 115.6 41.8 62.6#

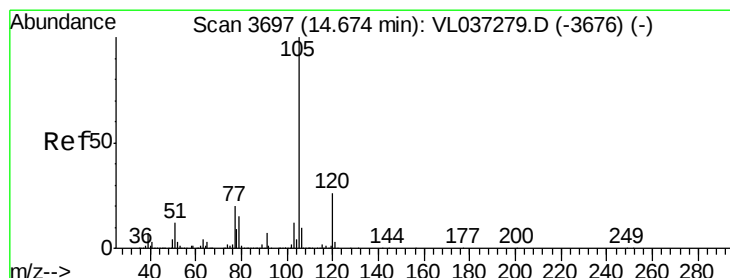
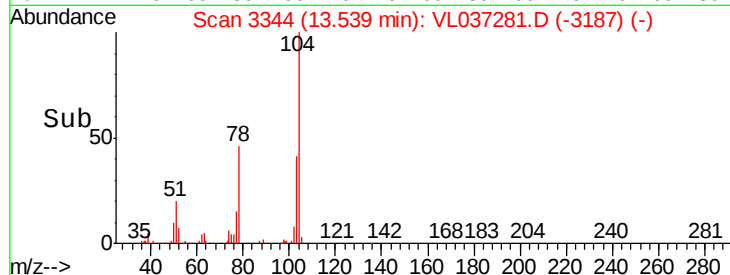
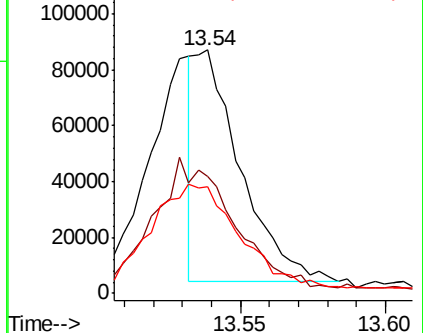
103 104.7 38.6 58.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.077 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL037281.D

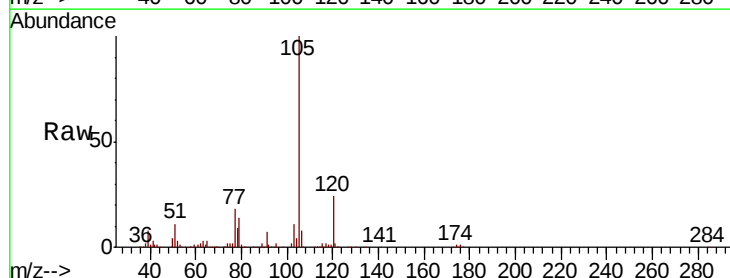
Acq: 27 Jul 2021 3:53

Tgt Ion:105 Resp: 617308

Ion Ratio Lower Upper

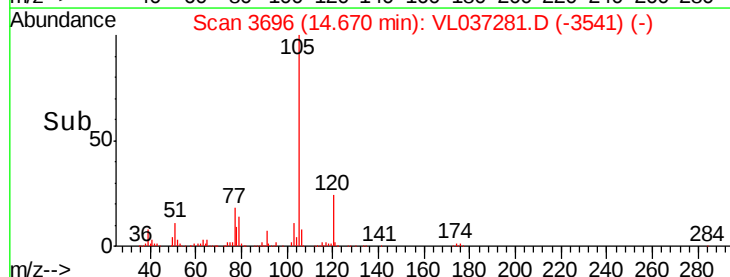
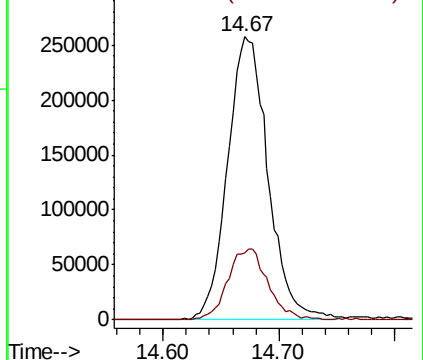
105 100

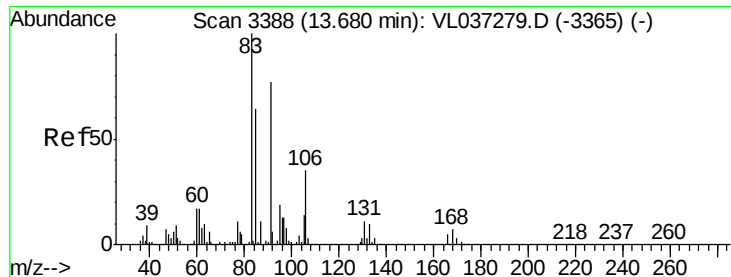
120 25.0 21.3 31.9



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: 0.635 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

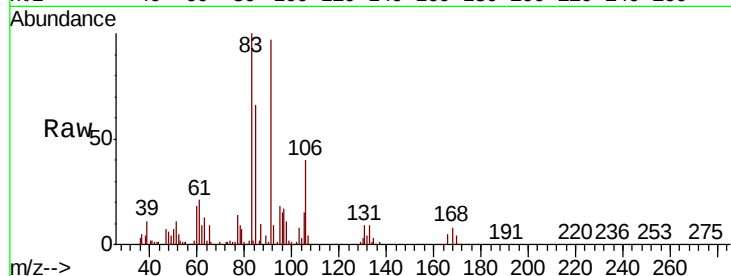
Tot Ion: 83 Resp: 170823

Ion Ratio Lower Upper

83 100

131 19.6 5.4 16.2#

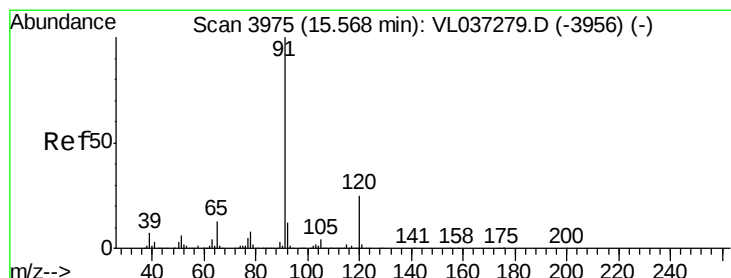
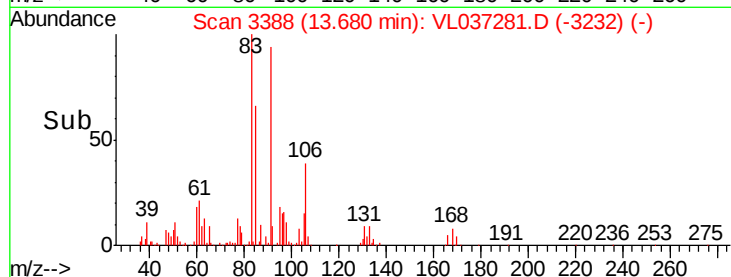
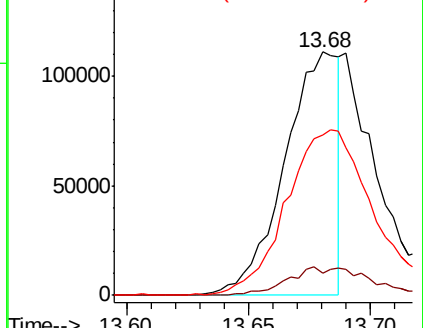
85 117.1 33.4 100.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 1.031 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL037281.D

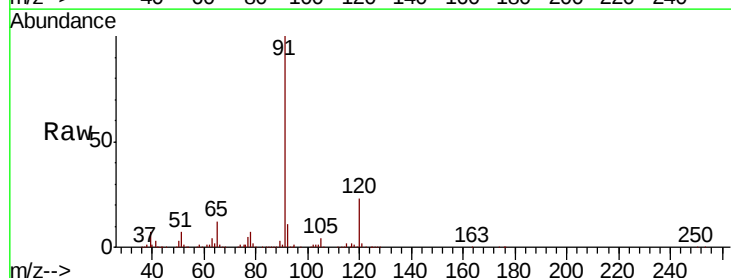
Acq: 27 Jul 2021 3:53

Tgt Ion:120 Resp: 147511

Ion Ratio Lower Upper

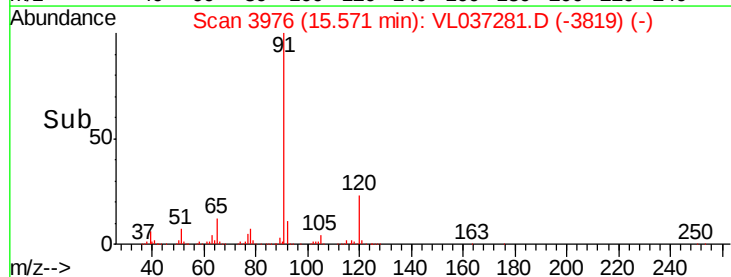
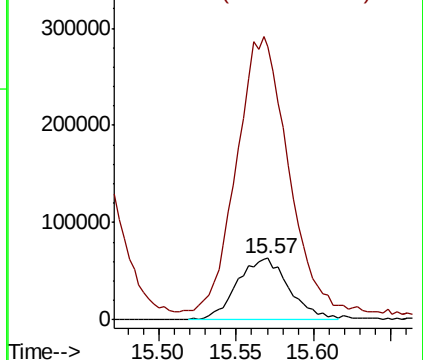
120 100

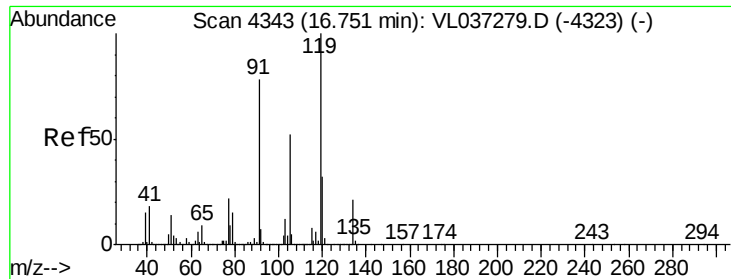
91 493.0 353.8 530.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

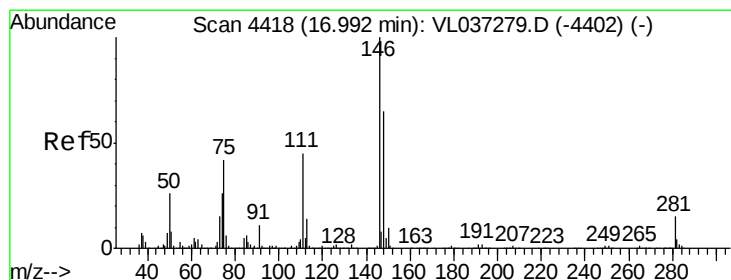
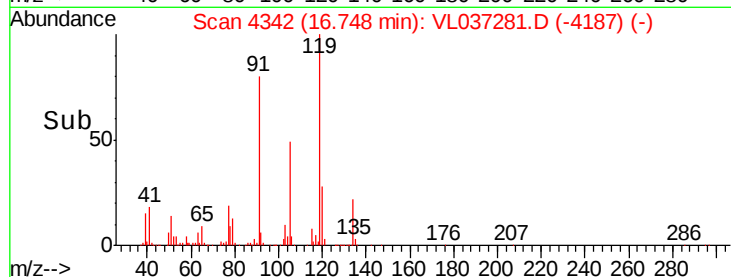
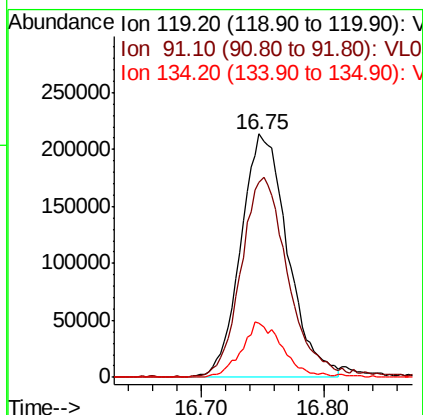
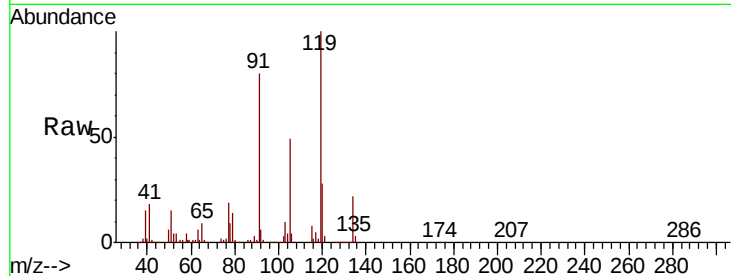




#65
tert-Butylbenzene
Concen: 1.106 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

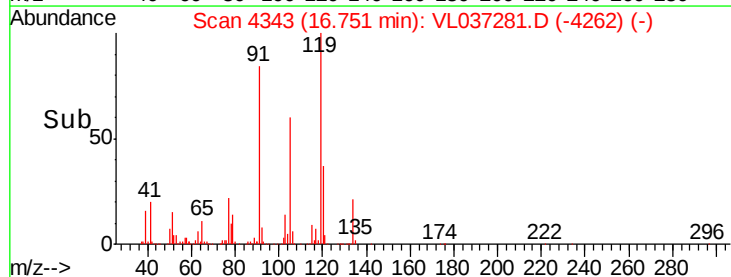
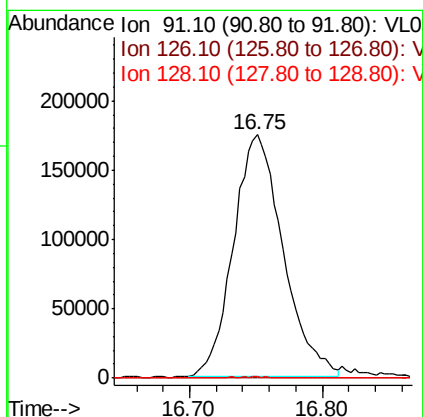
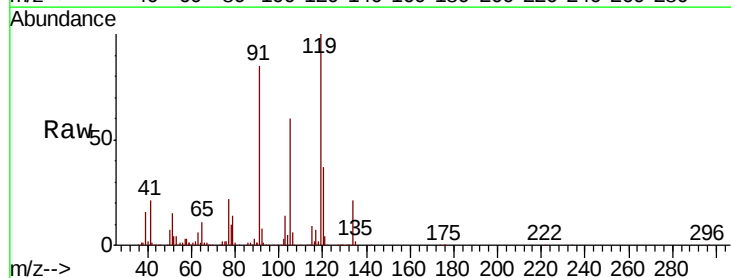
Instrument :
MSVOA_L
ClientSampleId :

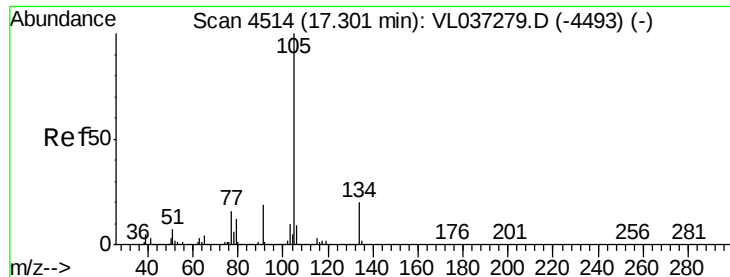
Tot Ion: 119 Resp: 565455
Ion Ratio Lower Upper
119 100
91 83.2 63.4 95.0
134 20.4 16.1 24.1



#66
Benzyl Chloride
Concen: 20.841 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.24 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 91 Resp: 453846
Ion Ratio Lower Upper
91 100
126 0.1 13.4 20.2#
128 0.4 4.5 6.7#





#67

sec-Butylbenzene

Concen: 1.104 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

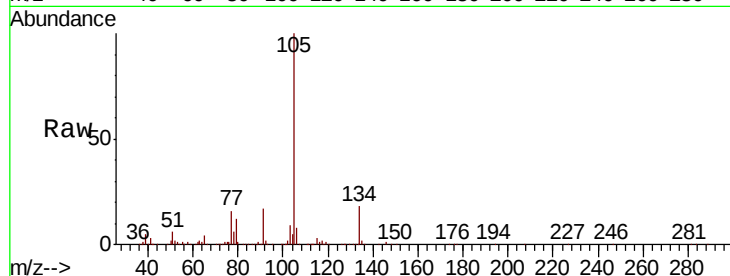
ClientSampleId :

Tot Ion:105 Resp: 751534

Ion Ratio Lower Upper

105 100

134 19.2 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.30

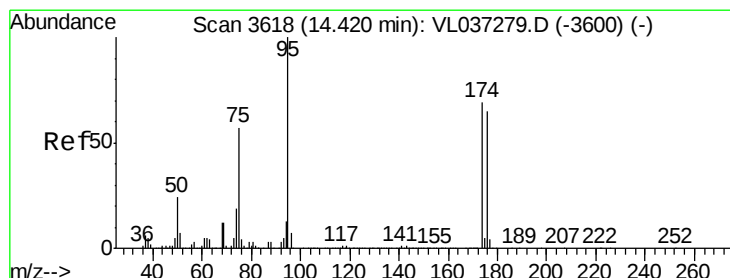
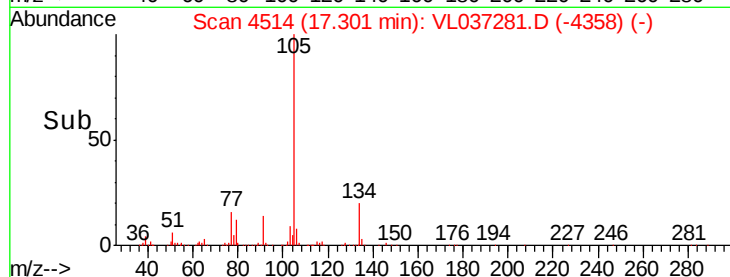
300000

200000

100000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.089 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

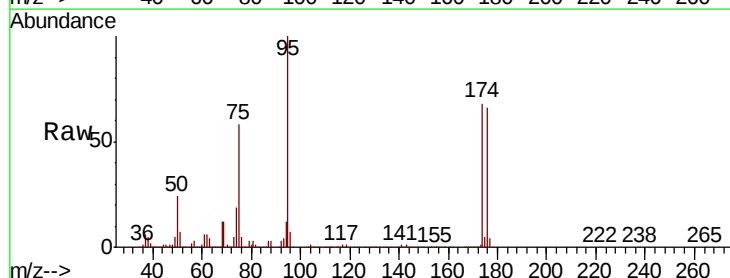
Tgt Ion: 95 Resp: 2729757

Ion Ratio Lower Upper

95 100

174 72.1 56.3 84.5

175 5.4 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.42

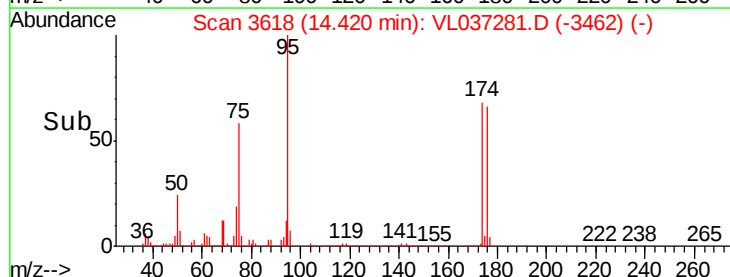
1500000

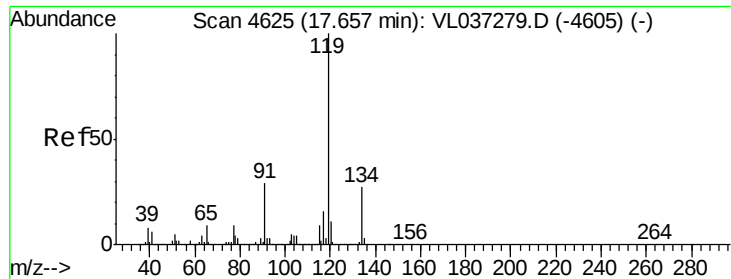
1000000

500000

0

Time--> 14.30 14.40 14.50

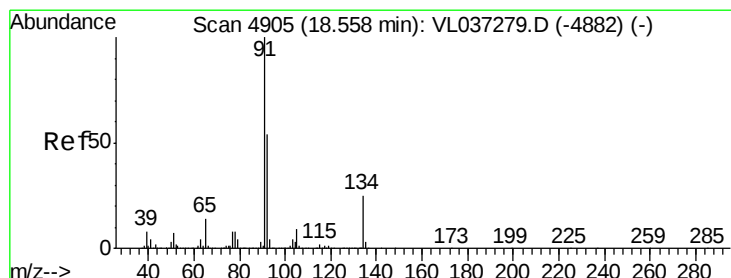
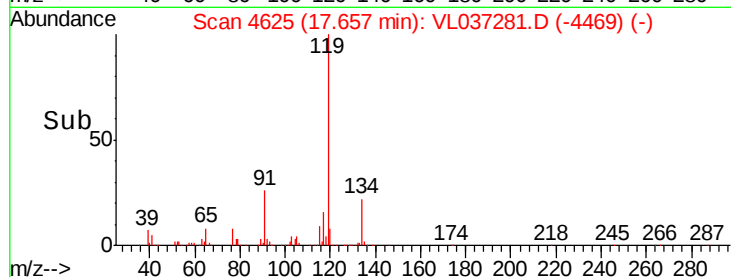
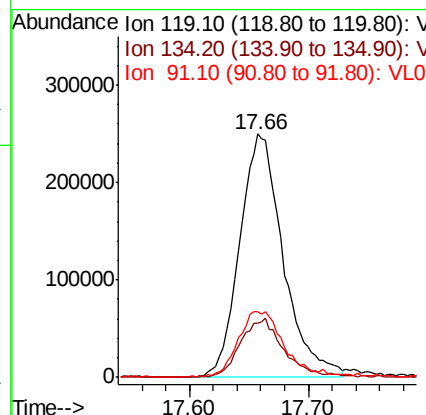
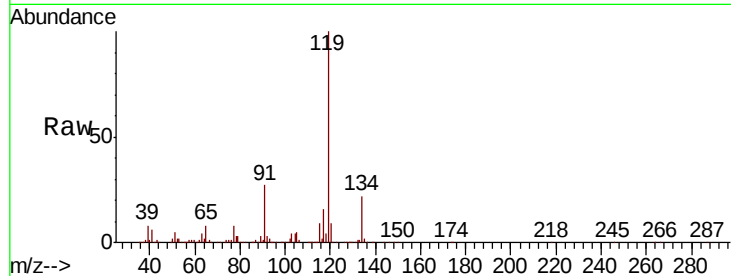




#69
 p-Isopropyltoluene
 Concen: 1.093 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

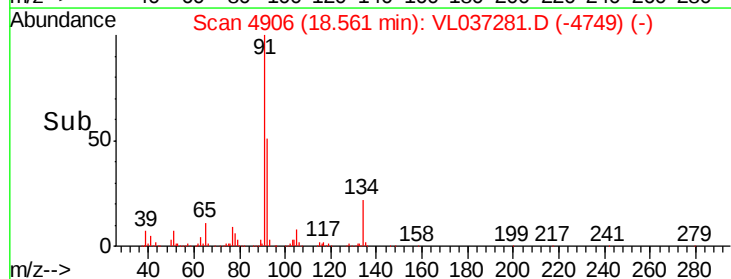
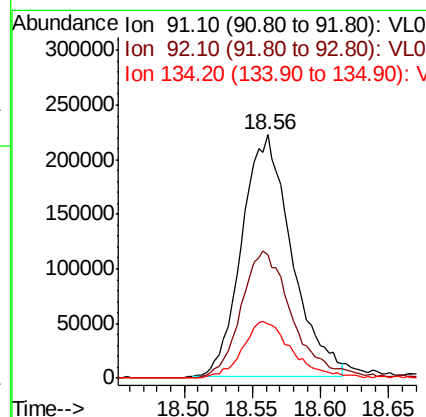
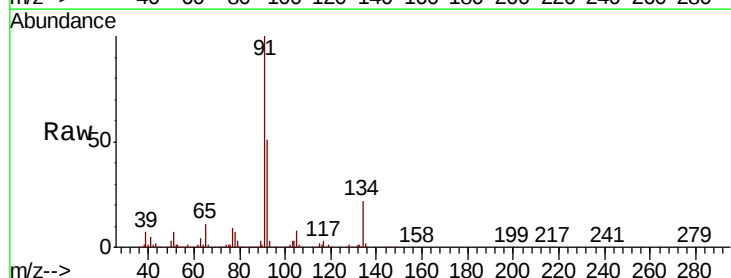
Instrument :
 MSVOA_L
 ClientSampleId :

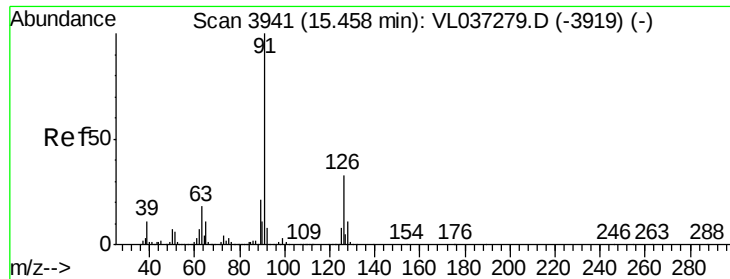
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.6	31.0
91	29.2	23.0	34.4



#70
 n-Butylbenzene
 Concen: 1.065 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.4	65.2
134	24.0	19.6	29.4

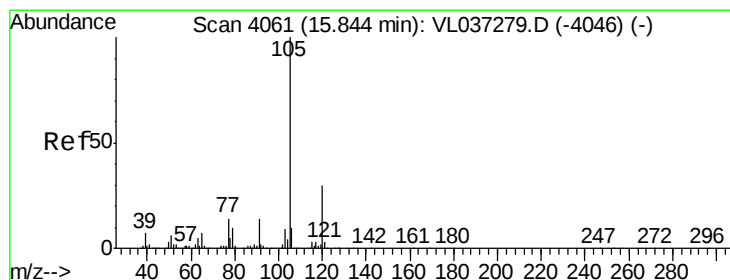
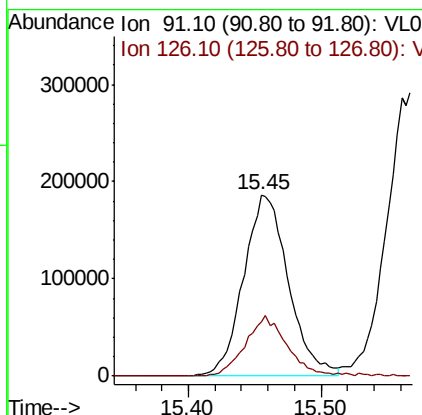
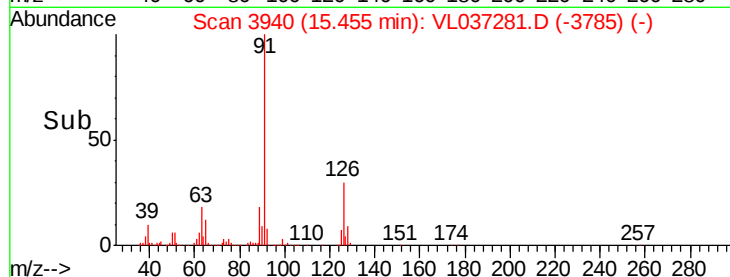
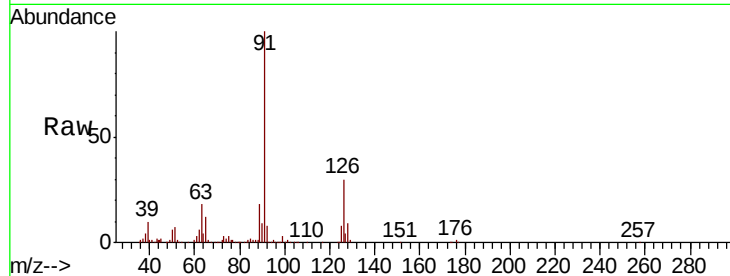




#71
2-Chlorotoluene
Concen: 1.091 ppbv
RT: 15.45 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

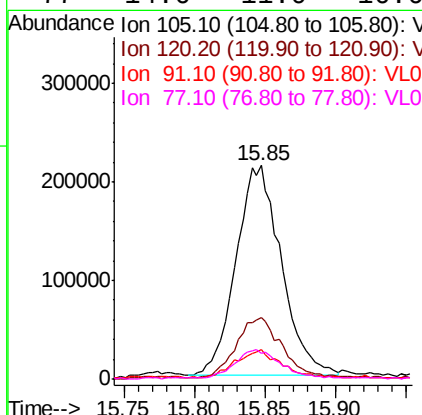
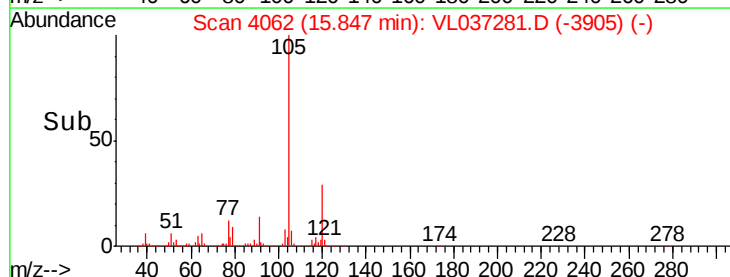
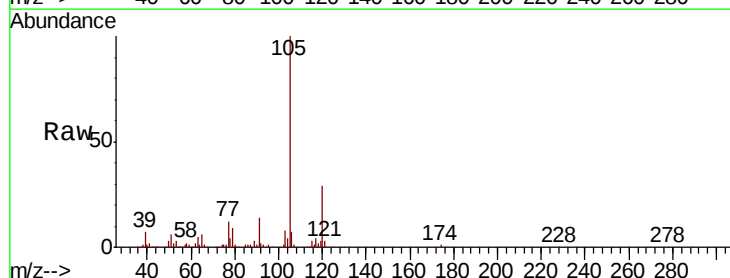
Instrument :
MSVOA_L
ClientSampleId :

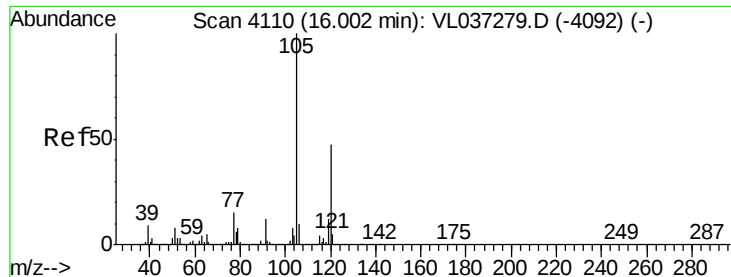
Tot Ion: 91 Resp: 438647
Ion Ratio Lower Upper
91 100
126 31.8 13.1 52.3



#72
4-Ethyltoluene
Concen: 1.047 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion: 105 Resp: 480760
Ion Ratio Lower Upper
105 100
120 30.9 24.3 36.5
91 13.6 10.5 15.7
77 14.6 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 1.039 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

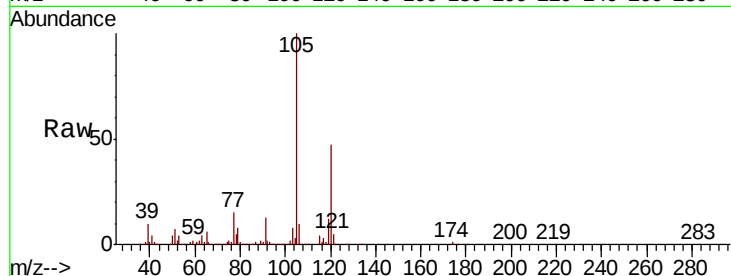
ClientSampleId :

Tot Ion:105 Resp: 461177

Ion Ratio Lower Upper

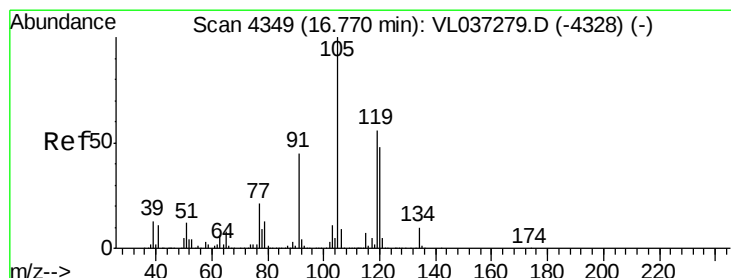
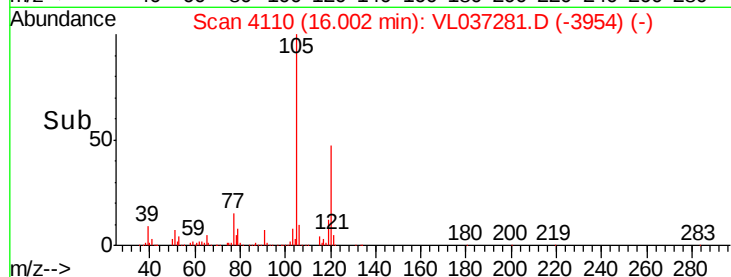
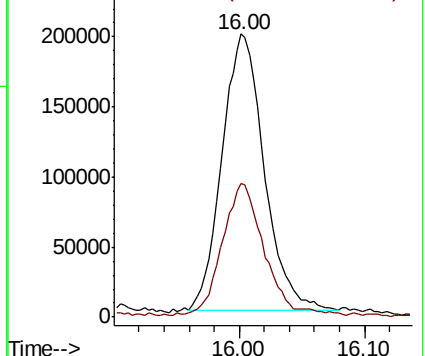
105 100

120 46.9 37.7 56.5



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: 1.140 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Tgt Ion:105 Resp: 521318

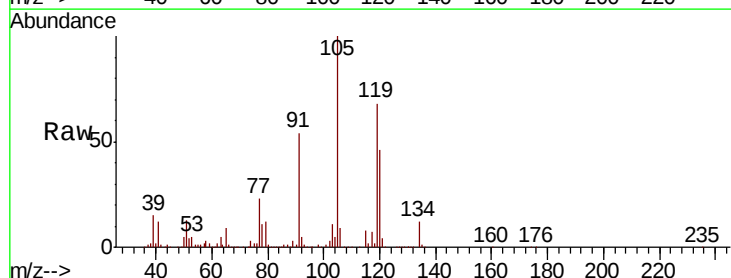
Ion Ratio Lower Upper

105 100

120 45.8 38.2 57.4

91 52.6 36.2 54.2

77 21.6 17.0 25.6

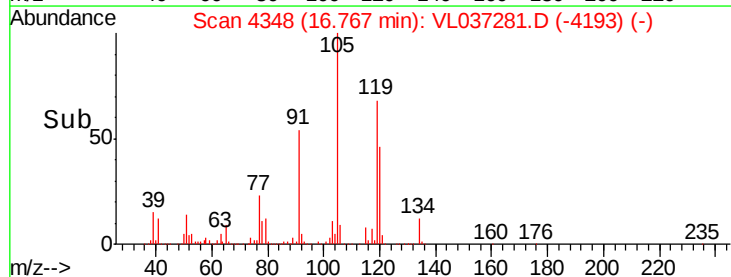
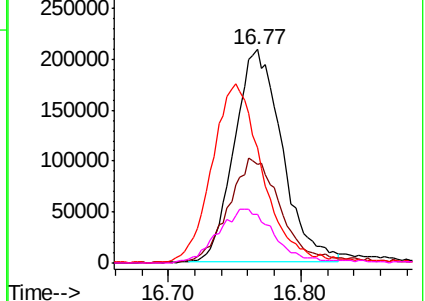


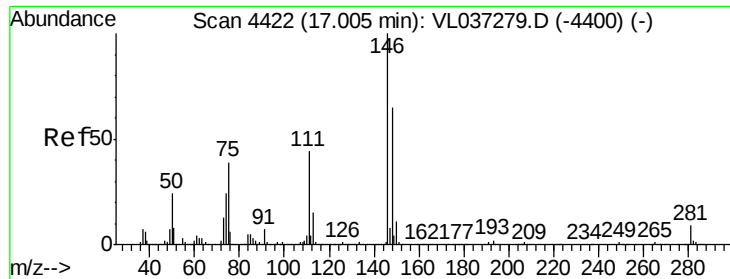
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 0.611 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

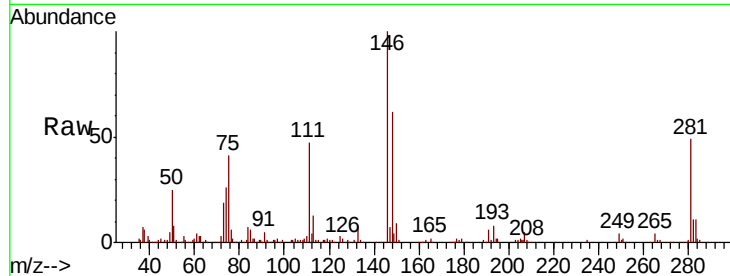
Tot Ion:146 Resp: 169548

Ion Ratio Lower Upper

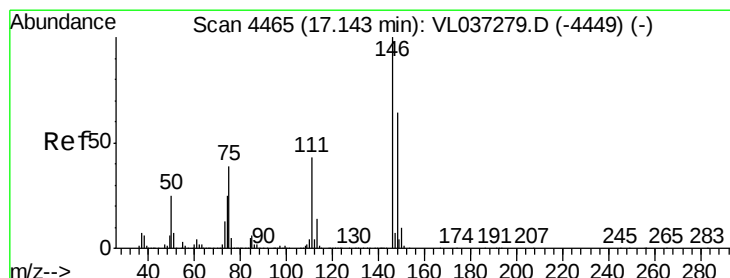
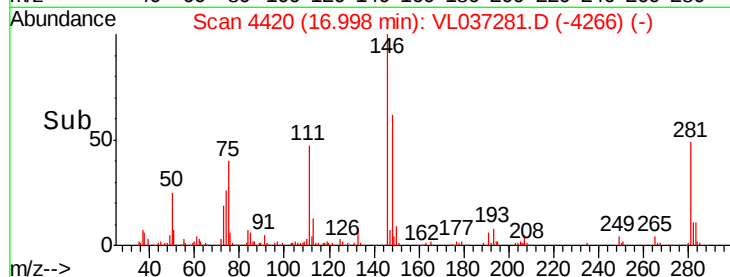
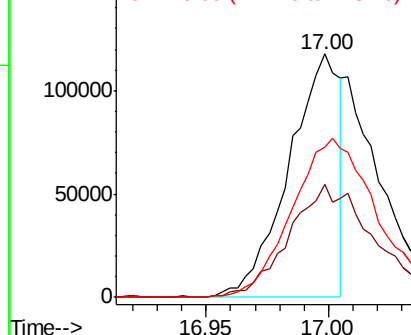
146 100

111 82.8 22.6 67.8#

148 117.3 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: 0.940 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.00 min

Lab File: VL037281.D

Acq: 27 Jul 2021 3:53

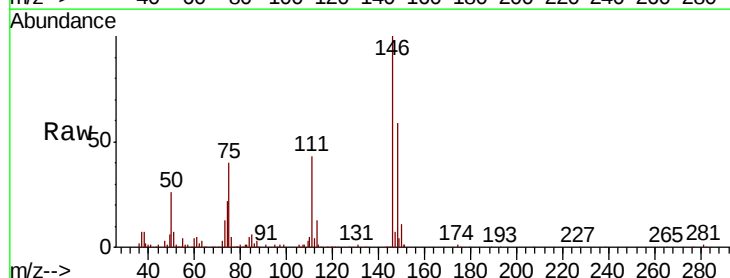
Tgt Ion:146 Resp: 260105

Ion Ratio Lower Upper

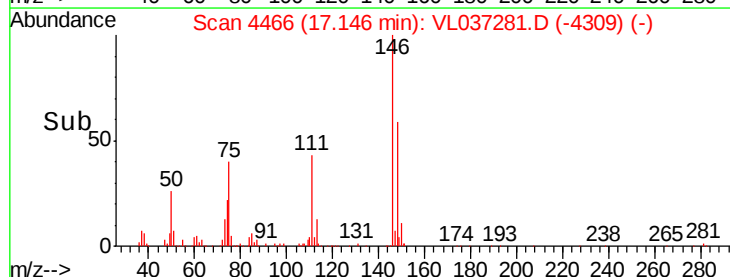
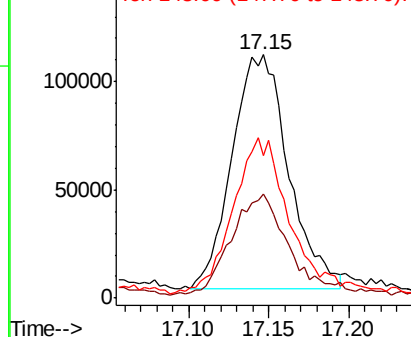
146 100

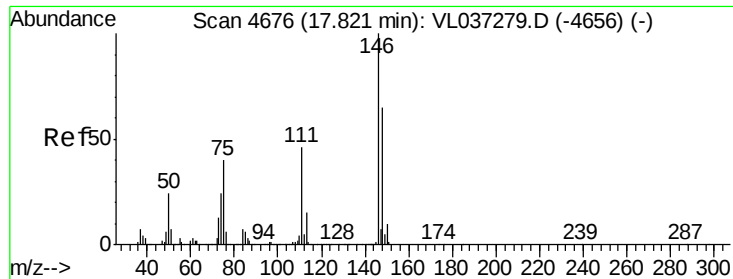
111 49.8 22.8 68.4

148 74.3 33.7 101.0



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

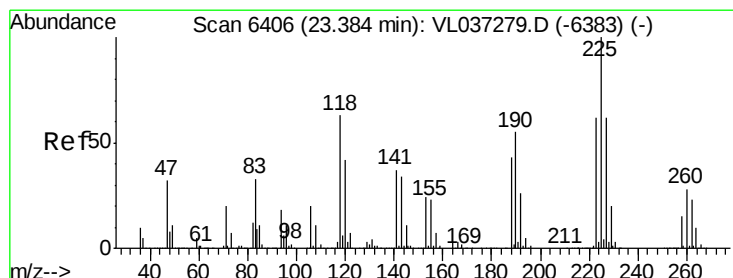
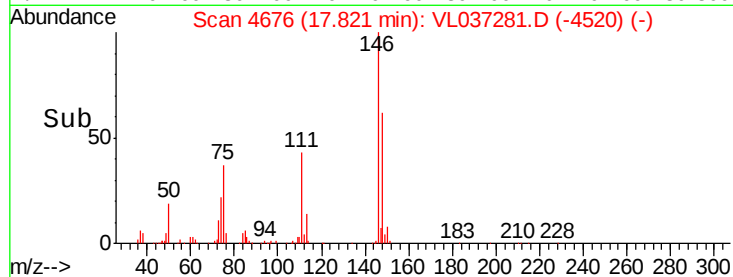
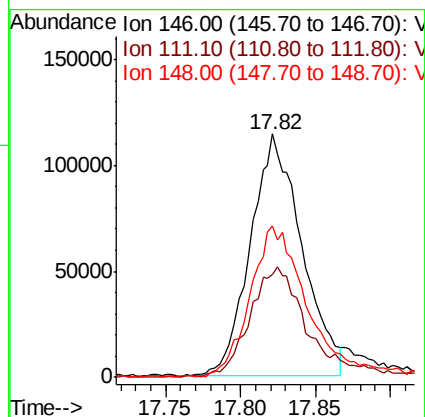
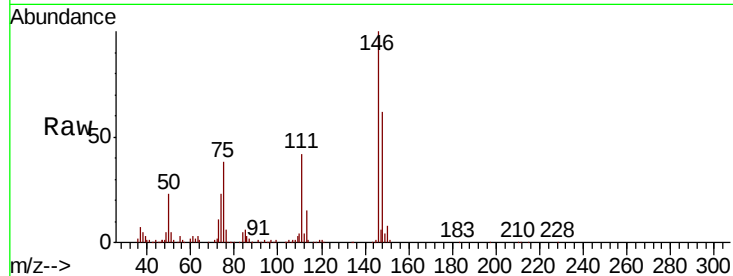




#77
 1,2-Dichlorobenzene
 Concen: 1.010 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

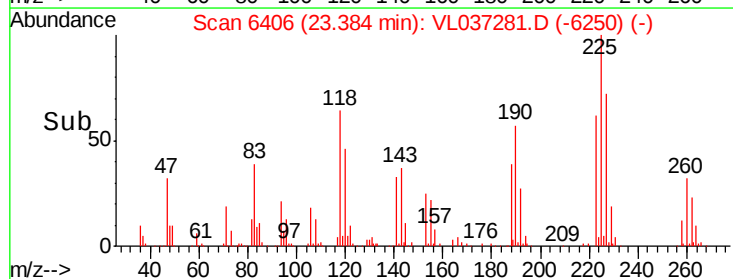
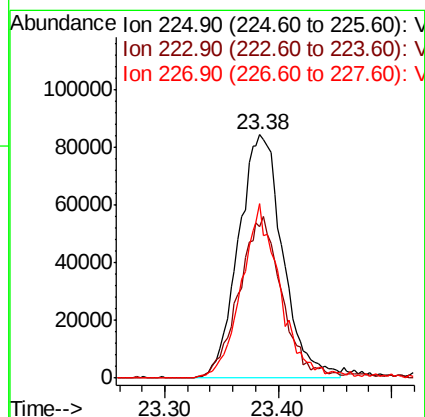
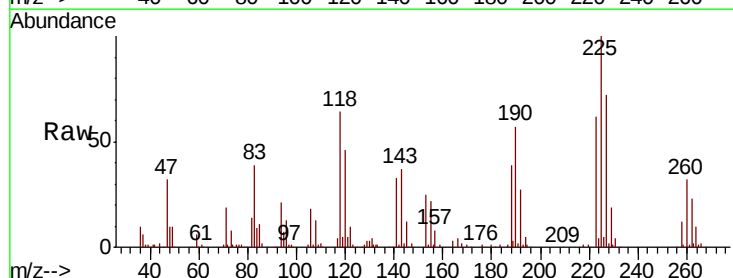
Instrument :
 MSVOA_L
 ClientSampleId :

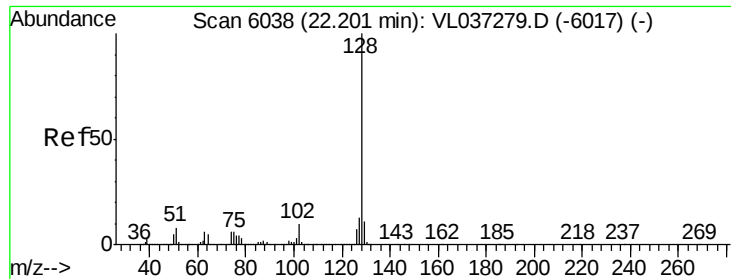
Tot Ion:146 Resp: 272166
 Ion Ratio Lower Upper
 146 100
 111 51.3 23.4 70.3
 148 70.1 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.025 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Tgt Ion:225 Resp: 229605
 Ion Ratio Lower Upper
 225 100
 223 66.3 51.4 77.2
 227 62.8 50.8 76.2

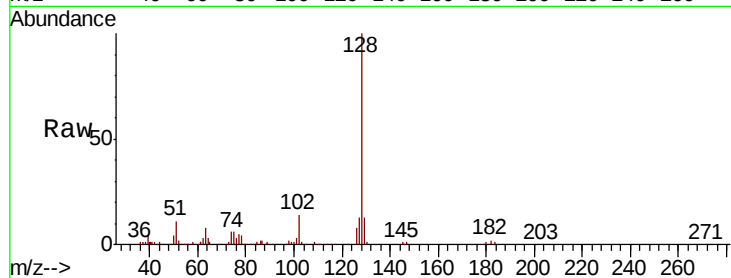




#79
Naphthalene
Concen: 0.508 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	12.8	9.0	13.4

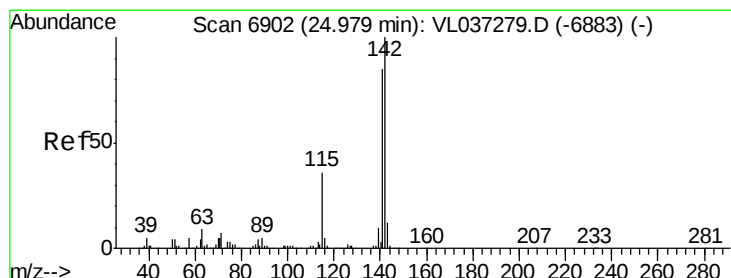
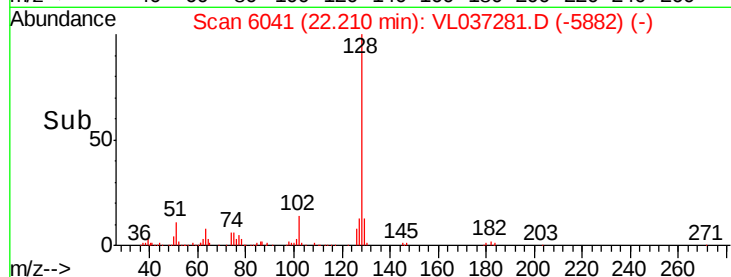
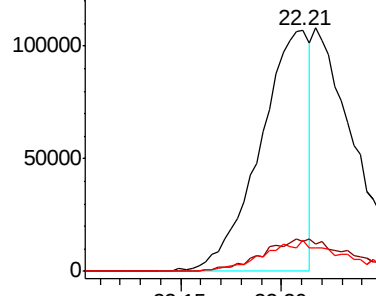


Abundance

Ion 128.10 (127.80 to 128.80): V

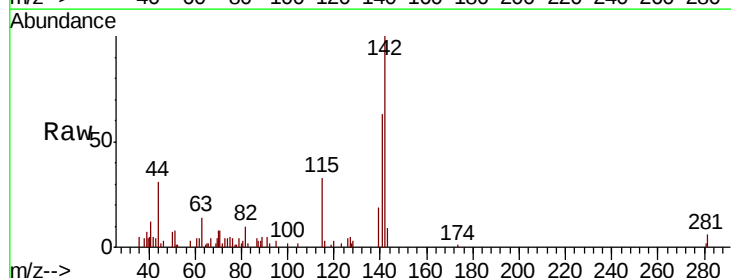
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 0.828 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037281.D
Acq: 27 Jul 2021 3:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	67.8	70.7	106.1#
115	22.7	31.4	47.0#

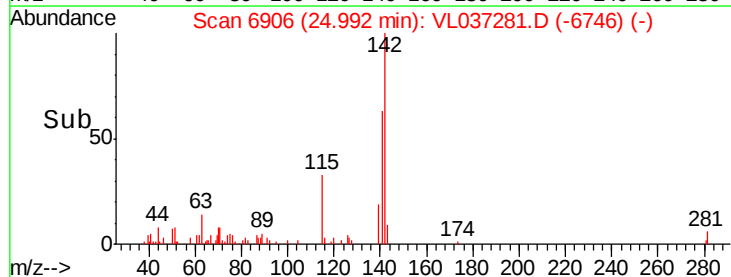
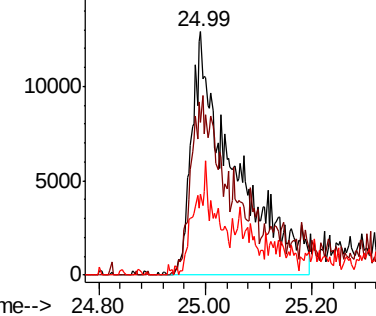


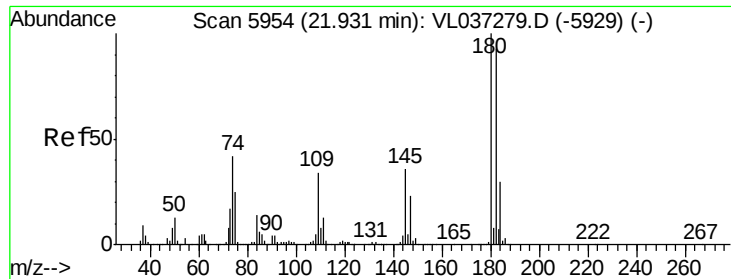
Abundance

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

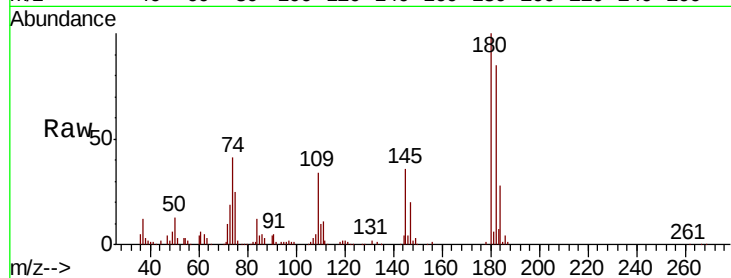




#81
 1,2,4-Trichlorobenzene
 Concen: 0.821 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL037281.D
 Acq: 27 Jul 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	126.4	79.3	118.9#
184	39.2	24.8	37.2#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

