

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038128.D
 Acq On : 29 Nov 2021 10:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 30 05:14:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	978461	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2921885	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	3317075	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2080096	8.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1328723	8.221	ppbv 100
3) Chlorodifluoromethane	3.00	51	2078941	10.117	ppbv 98
4) Chloromethane	3.15	50	695831	9.948	ppbv 99
5) Vinyl Chloride	3.27	62	715565	10.428	ppbv 99
6) Bromomethane	3.49	94	388193	10.560	ppbv 96
7) Chloroethane	3.57	64	237466	9.751	ppbv 90
8) Dichlorotetrafluoroethane	3.20	85	1669035	10.381	ppbv 95
9) Propene	3.02	41	687646	9.087	ppbv 96
10) Heptane	8.13	43	1771006	9.469	ppbv 100
11) Trichlorofluoromethane	3.96	101	1678362	10.919	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1233432	11.344	ppbv 97
13) Ethanol	3.62	45	39531	5.406	ppbv 74
14) Bromoethene	3.75	108	510006	10.475	ppbv 98
15) Acetone	3.86	43	834224	9.834	ppbv 98
16) 1,3-Butadiene	3.34	39	681957	10.304	ppbv 96
17) tert-Butyl alcohol	4.30	59	1014183	9.855	ppbv 99
18) 1,1-Dichloroethene	4.30	96	533605	10.698	ppbv 98
19) Isopropyl Alcohol	3.98	45	540865	8.824	ppbv # 98
20) Methylene Chloride	4.35	84	475776	10.013	ppbv 97
21) Allyl Chloride	4.42	41	820954	10.455	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	578472	11.450	ppbv 97
23) Vinyl Acetate	5.08	43	1363456	11.102	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1143809	11.185	ppbv 98
25) Ethyl Acetate	5.69	43	2652297	9.407	ppbv 99
26) Hexane	5.70	57	1253028	9.220	ppbv 98
27) Carbon Disulfide	4.56	76	1315694	10.808	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1268919	10.992	ppbv 99
29) Chloroform	5.76	83	2012547	10.048	ppbv 97
30) Cyclohexane	7.14	84	1146790	9.295	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1077764	8.337	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2082074	10.243	ppbv 99
34) 2-Butanone	5.25	43	888943	7.545	ppbv 99
35) Carbon Tetrachloride	7.03	117	2121208	10.332	ppbv 99
36) Benzene	6.90	78	2775990	9.524	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1569775	11.152	ppbv 98
38) Trichloroethene	7.84	130	984559	8.955	ppbv 96
39) 1,2-Dichloropropane	7.62	63	1099004	9.830	ppbv 95
40) 1,4-Dioxane	7.84	88	264973	9.097	ppbv # 1
41) Tetrahydrofuran	6.06	42	672280	9.192	ppbv 99
42) Bromodichloromethane	7.80	83	2248159	10.505	ppbv 100
43) Methyl Methacrylate	8.02	69	1029501	10.324	ppbv 98

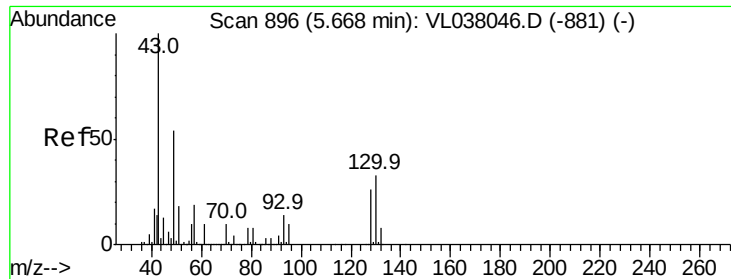
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038128.D
 Acq On : 29 Nov 2021 10:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 30 05:14:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4534161	9.298	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	925202	11.567	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1172278	10.836	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1111652	9.494	ppbv	97
48) Dibromochloromethane	10.31	129	1820273	10.208	ppbv	97
49) Bromoform	13.05	173	1307292	10.247	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1825438	10.202	ppbv	99
51) 2-Hexanone	10.14	43	834458	9.913	ppbv #	99
52) Tetrachloroethene	11.23	164	911895	8.456	ppbv	95
53) Toluene	9.81	91	3128685	9.330	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1618251	9.784	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1157912	7.690	ppbv	98
57) Chlorobenzene	12.15	112	2172649	7.308	ppbv	96
58) Ethyl Benzene	12.72	91	4087324	7.455	ppbv	98
59) m/p-Xylene	13.00	91	3079414	6.672	ppbv #	22
60) o-Xylene	13.70	91	3140815	7.336	ppbv	97
61) Styrene	13.53	104	1726793	7.523	ppbv	97
62) Isopropylbenzene	14.67	105	4313266	7.097	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2222516	6.989	ppbv	100
64) n-propylbenzene	15.56	120	1120147	7.235	ppbv	96
65) tert-Butylbenzene	16.75	119	3655356	6.827	ppbv	97
66) Benzyl Chloride	17.00	91	190822	7.032	ppbv #	96
67) sec-Butylbenzene	17.29	105	5125638	6.870	ppbv	99
69) p-Isopropyltoluene	17.66	119	4123920	7.066	ppbv	98
70) n-Butylbenzene	18.55	91	4084952	7.321	ppbv	99
71) 2-Chlorotoluene	15.46	91	3219470	7.246	ppbv	98
72) 4-Ethyltoluene	15.84	105	3694640	7.443	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3218321	7.099	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	3319509	7.105	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	1839650	7.169	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1768628	6.849	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1710460	6.884	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	947444	6.107	ppbv	98
79) Naphthalene	22.20	128	1766787	7.181	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	382429	7.253	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	979438	6.928	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 29 Nov 2021 10:07

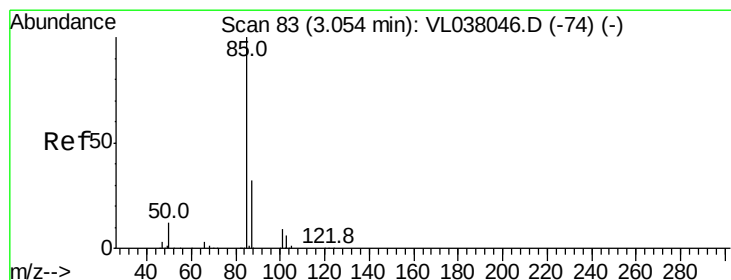
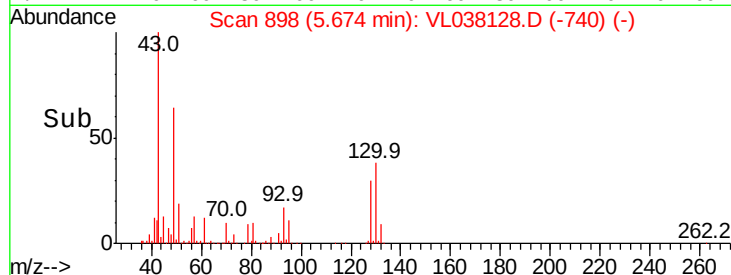
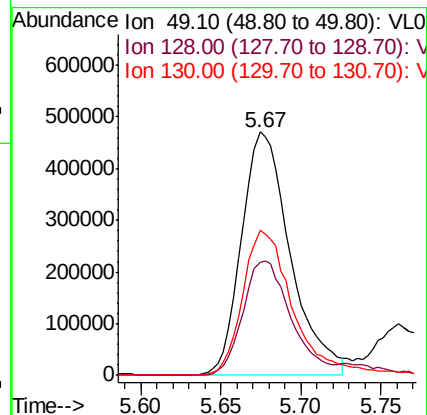
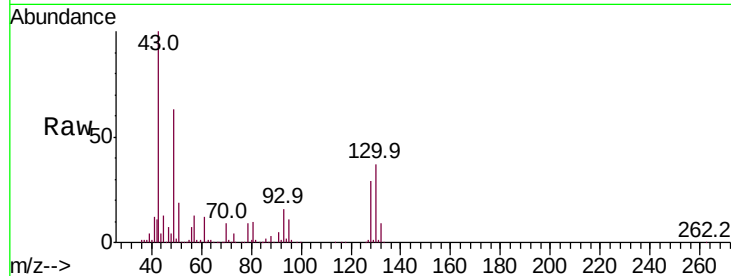
Tot Ion: 49 Resp: 978461

Ion Ratio Lower Upper

49 100

128 52.3 26.5 79.5

130 63.2 32.5 97.4



#2

Dichlorodifluoromethane

Concen: 8.221 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL038128.D

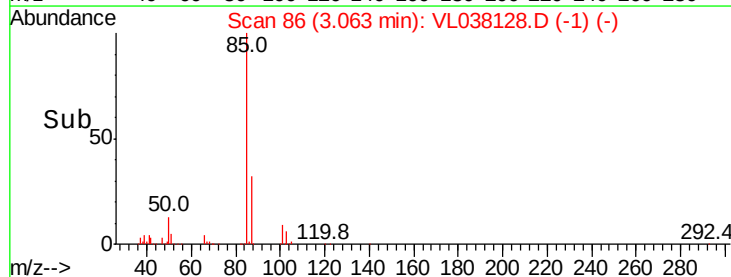
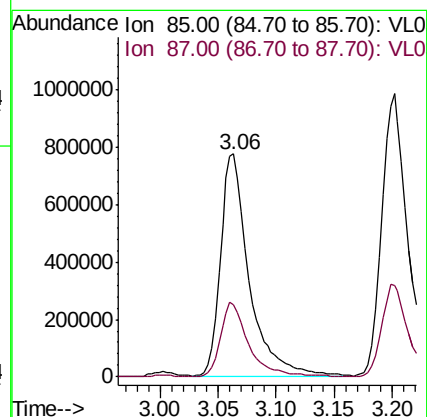
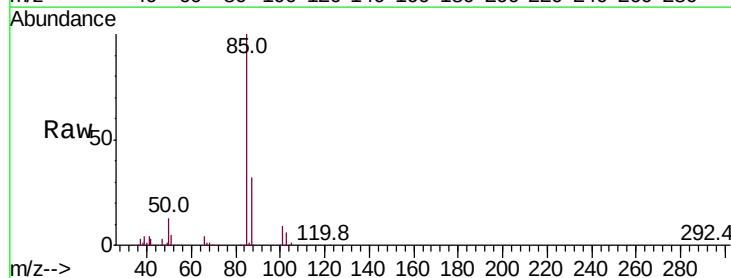
Acq: 29 Nov 2021 10:07

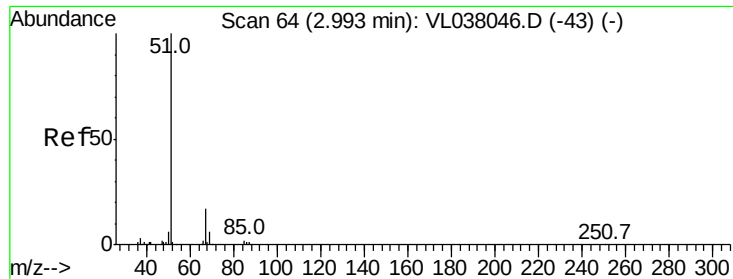
Tgt Ion: 85 Resp: 1328723

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6





#3

Chlorodifluoromethane

Concen: 10.117 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

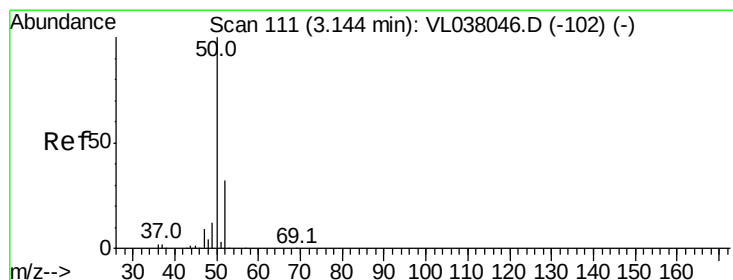
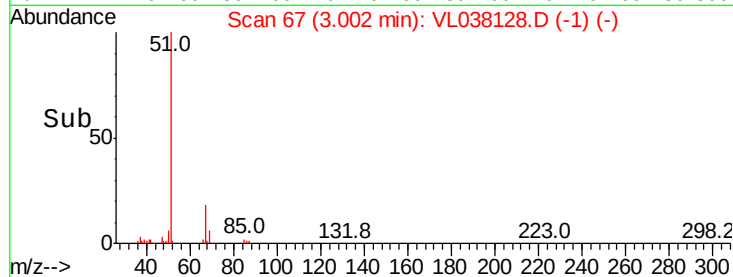
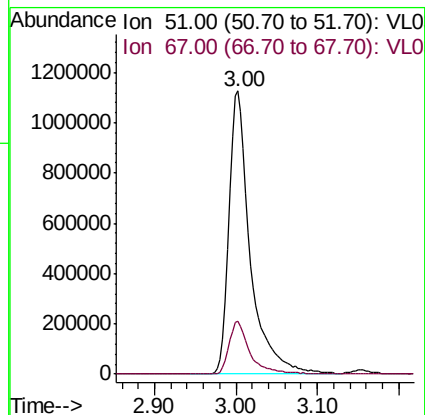
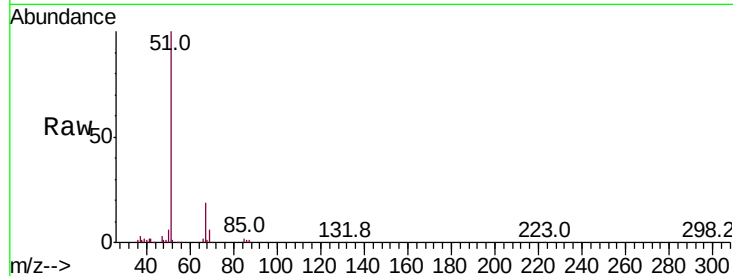
Acq: 29 Nov 2021 10:07

Tot Ion: 51 Resp: 2078941

Ion Ratio Lower Upper

51 100

67 18.3 13.8 20.8



#4

Chloromethane

Concen: 9.948 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL038128.D

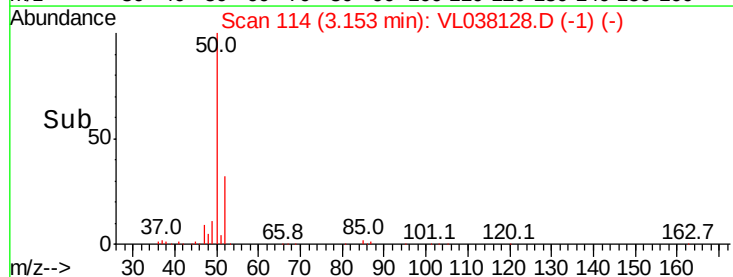
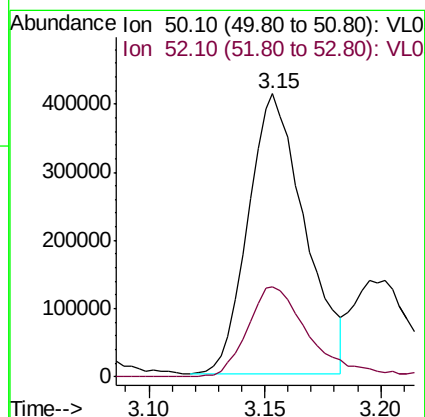
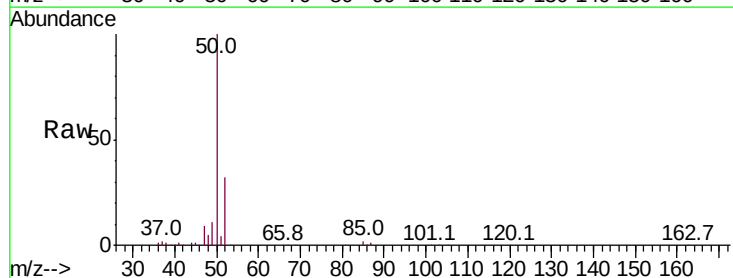
Acq: 29 Nov 2021 10:07

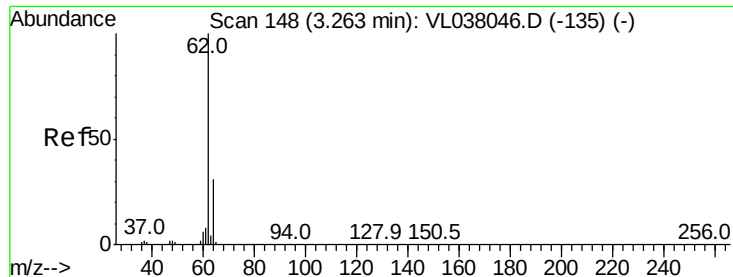
Tgt Ion: 50 Resp: 695831

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.0





#5

Vinyl Chloride

Concen: 10.428 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

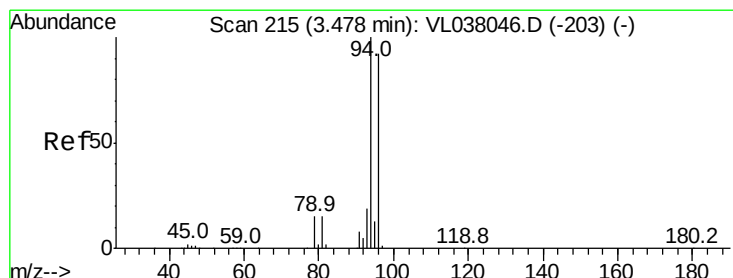
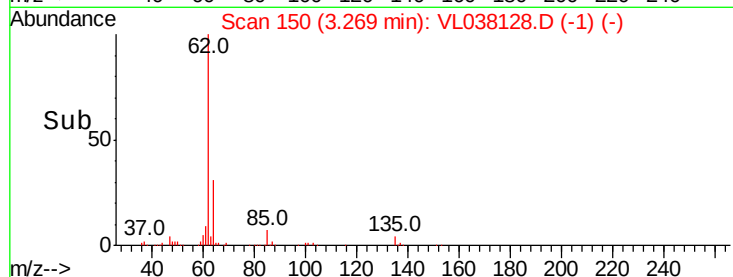
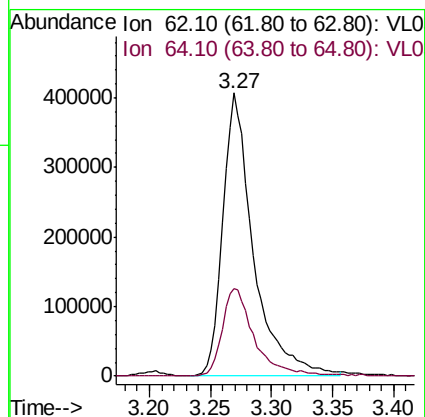
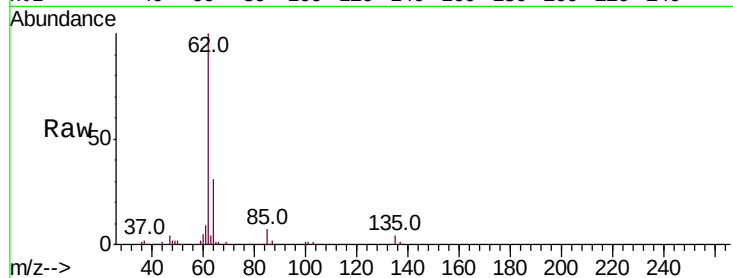
Acq: 29 Nov 2021 10:07 VSTDCCC010

Tot Ion: 62 Resp: 715565

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7



#6

Bromomethane

Concen: 10.560 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL038128.D

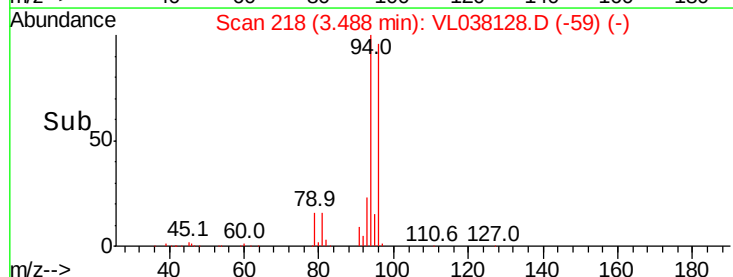
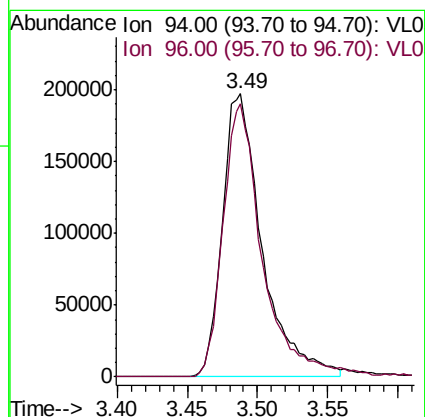
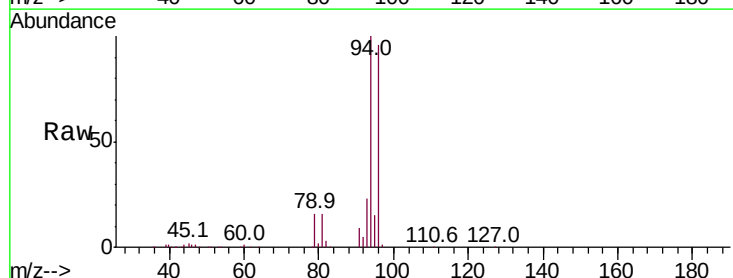
Acq: 29 Nov 2021 10:07

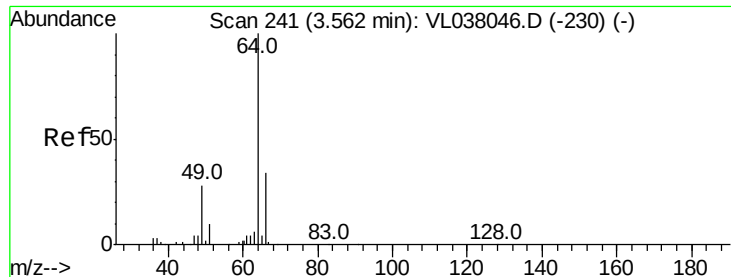
Tgt Ion: 94 Resp: 388193

Ion Ratio Lower Upper

94 100

96 96.4 73.9 110.9





#7

Chloroethane

Concen: 9.751 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

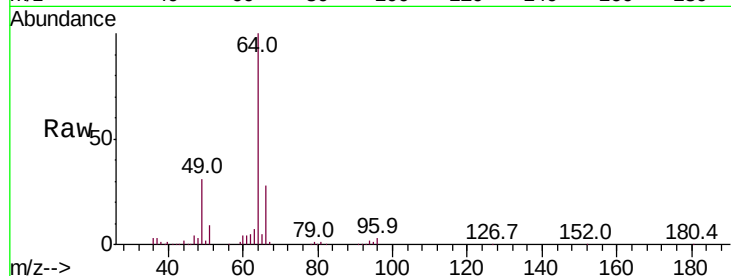
Acq: 29 Nov 2021 10:07

Tot Ion: 64 Resp: 237466

Ion Ratio Lower Upper

64 100

66 28.5 27.2 40.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

50000

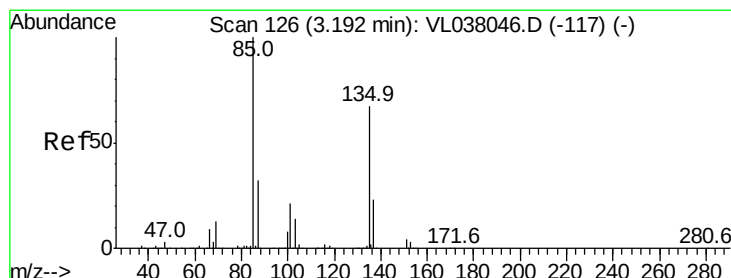
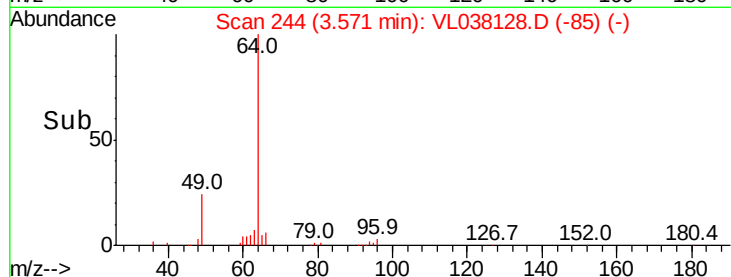
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.381 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038128.D

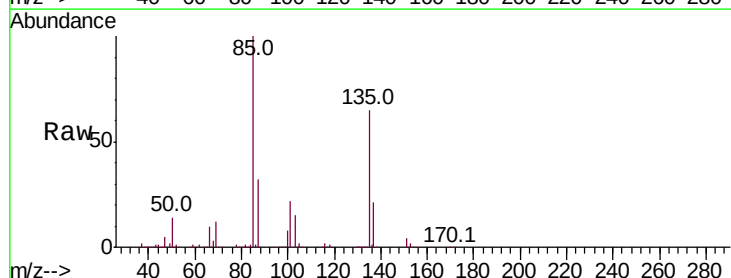
Acq: 29 Nov 2021 10:07

Tgt Ion: 85 Resp: 1669035

Ion Ratio Lower Upper

85 100

135 68.4 57.9 86.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

400000

200000

0

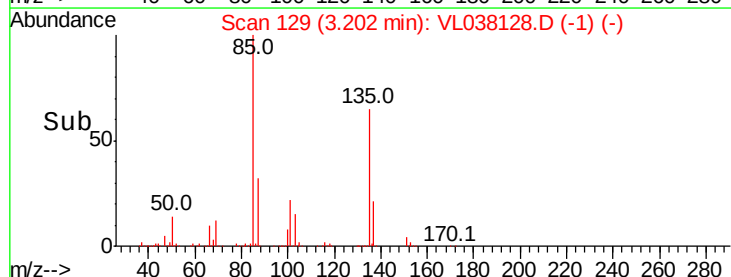
3.15

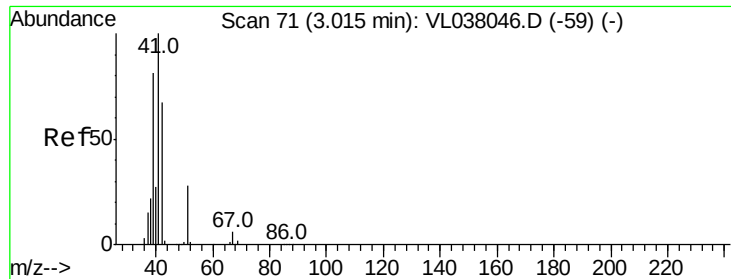
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 9.087 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: VSTDCCC010

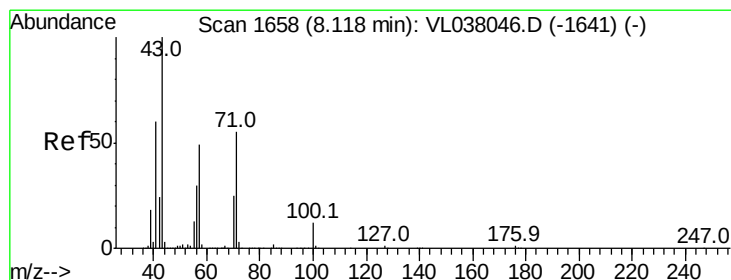
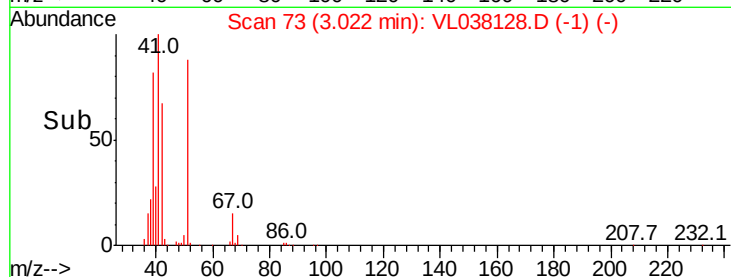
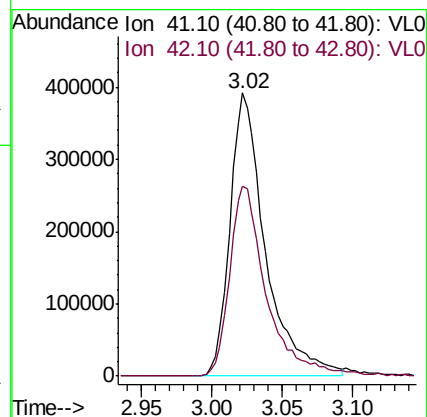
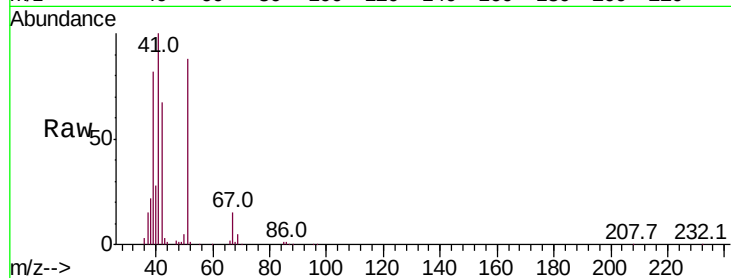
Acq: 29 Nov 2021 10:07

Tot Ion: 41 Resp: 687646

Ion Ratio Lower Upper

41 100

42 70.3 53.8 80.8



#10

Heptane

Concen: 9.469 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL038128.D

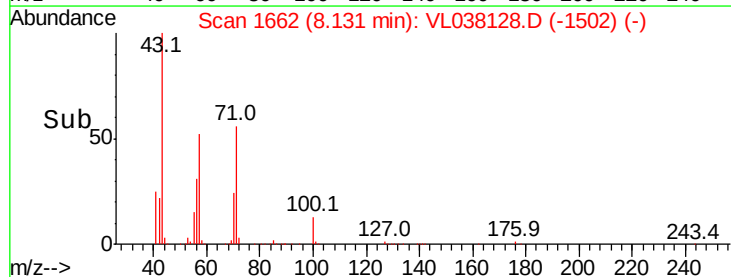
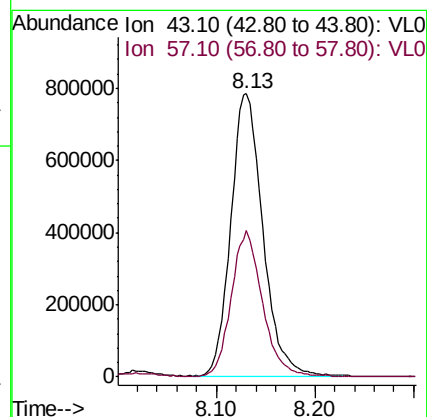
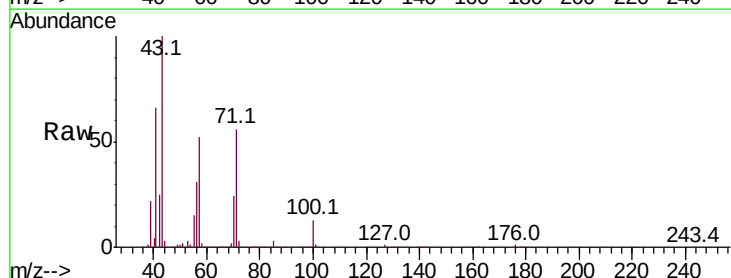
Acq: 29 Nov 2021 10:07

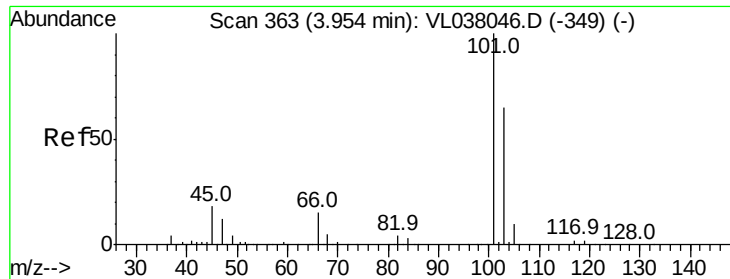
Tgt Ion: 43 Resp: 1771006

Ion Ratio Lower Upper

43 100

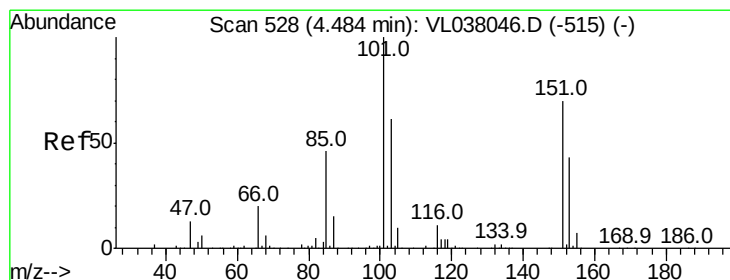
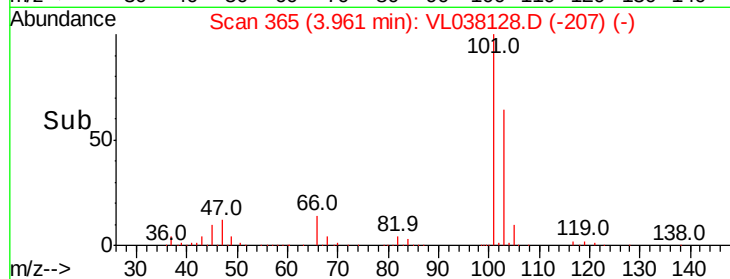
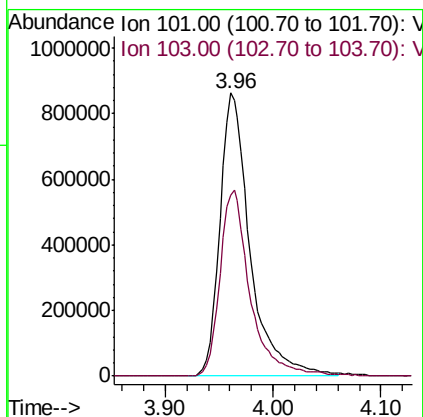
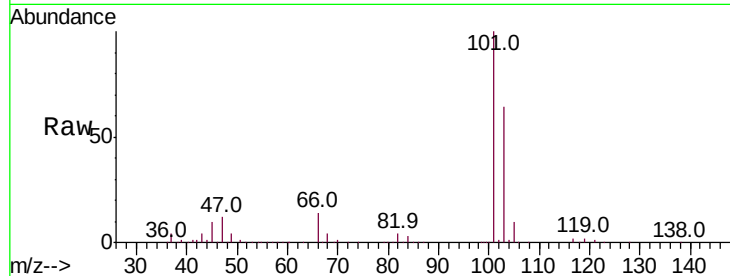
57 50.4 40.4 60.6





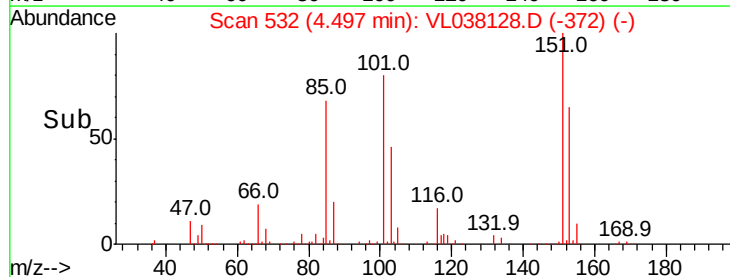
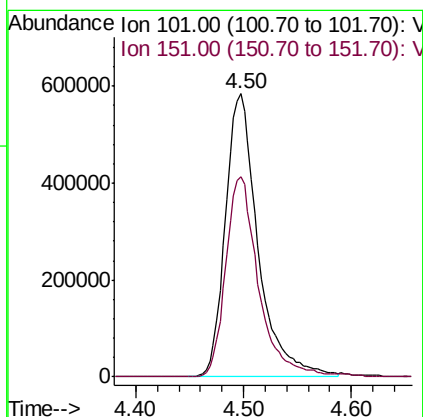
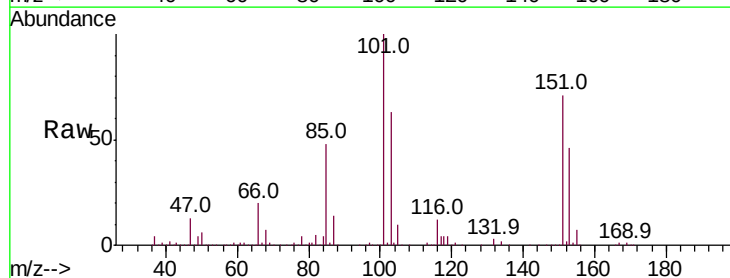
#11
 Trichlorofluoromethane
 Concen: 10.919 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Nov 2021 10:07

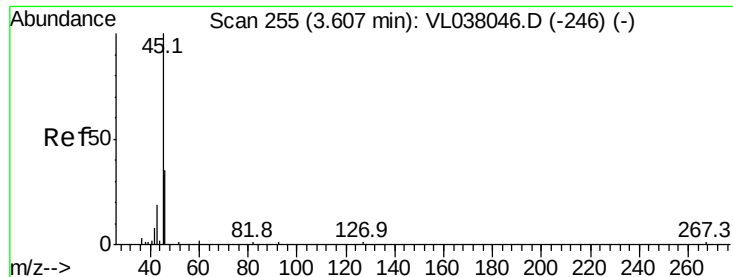
Tot Ion:101 Resp: 1678362
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.344 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

Tgt Ion:101 Resp: 1233432
 Ion Ratio Lower Upper
 101 100
 151 71.5 59.0 88.4





#13

Ethanol

Concen: 5.406 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

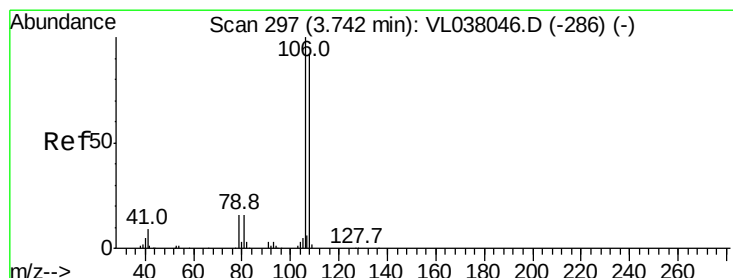
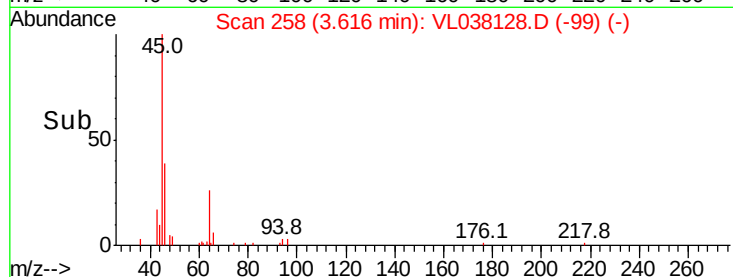
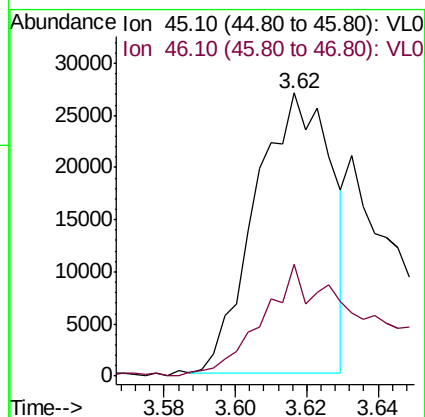
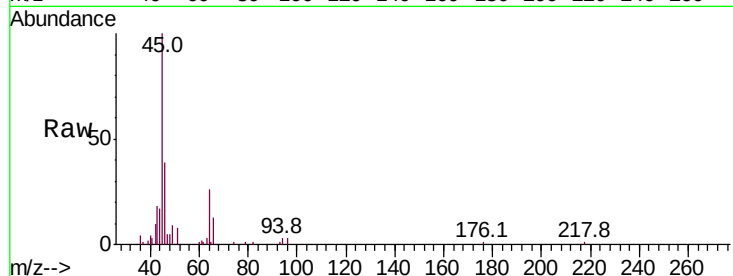
Acq: 29 Nov 2021 10:07 VSTDCCC010

Tot Ion: 45 Resp: 39531

Ion Ratio Lower Upper

45 100

46 60.7 17.6 70.2



#14

Bromoethene

Concen: 10.475 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

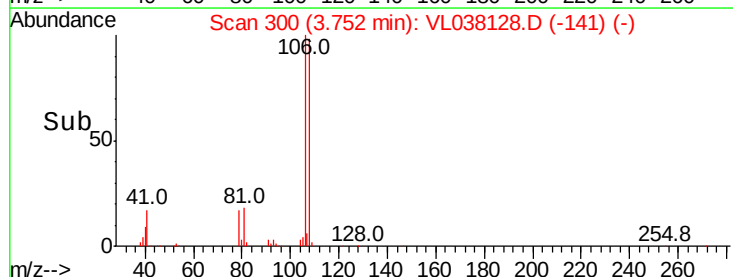
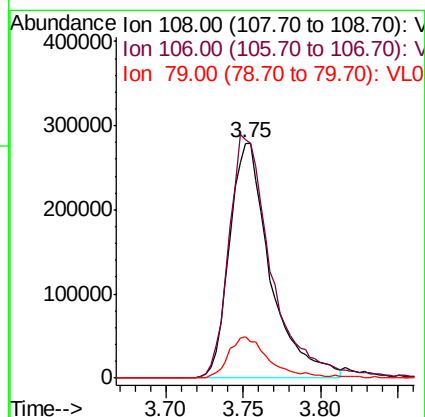
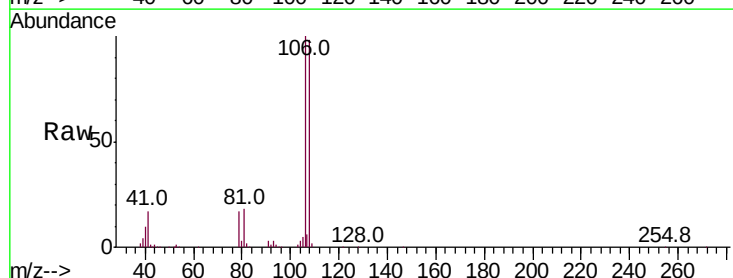
Tgt Ion: 108 Resp: 510006

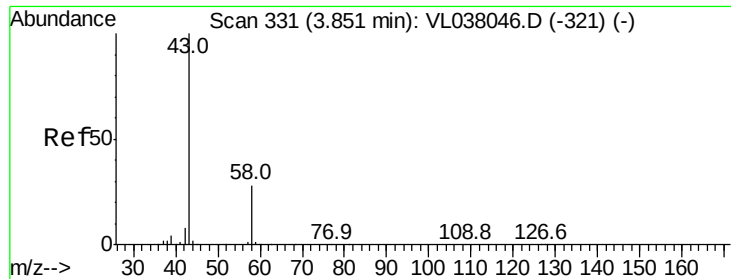
Ion Ratio Lower Upper

108 100

106 109.4 89.4 134.0

79 18.4 14.1 21.1





#15

Acetone

Concen: 9.834 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

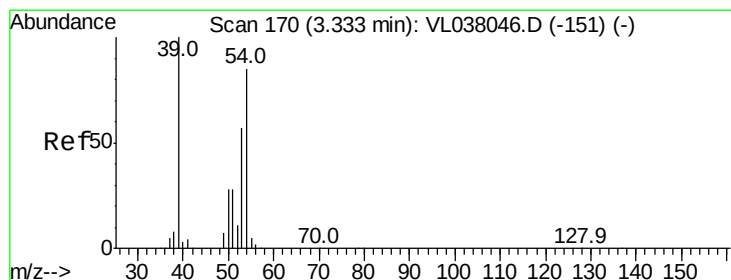
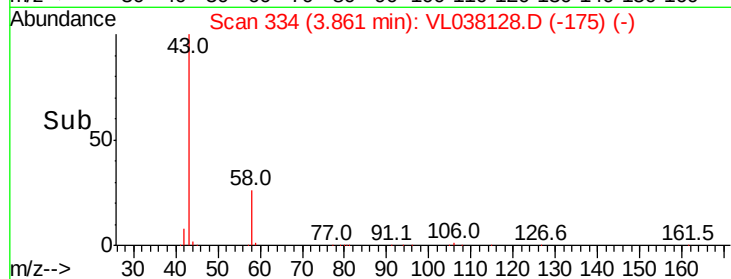
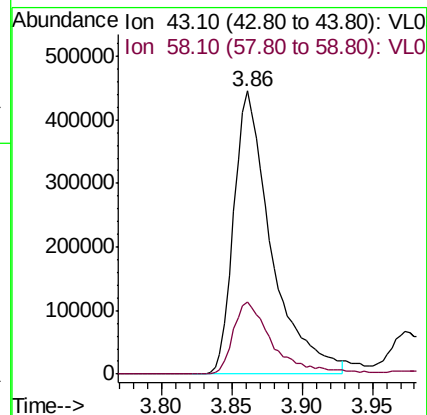
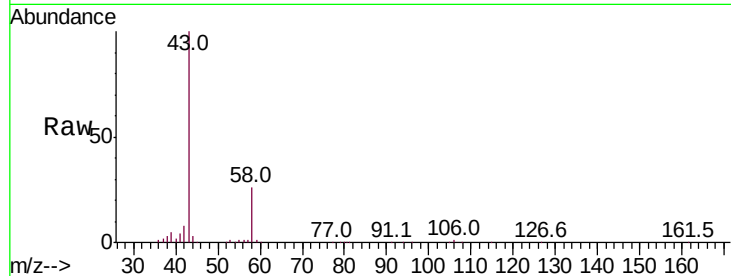
Acq: 29 Nov 2021 10:07

Tot Ion: 43 Resp: 834224

Ion Ratio Lower Upper

43 100

58 27.1 22.4 33.6



#16

1,3-Butadiene

Concen: 10.304 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL038128.D

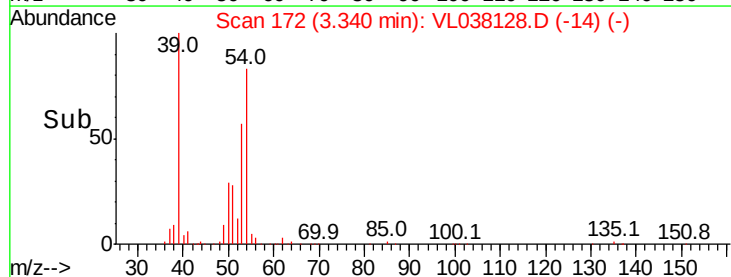
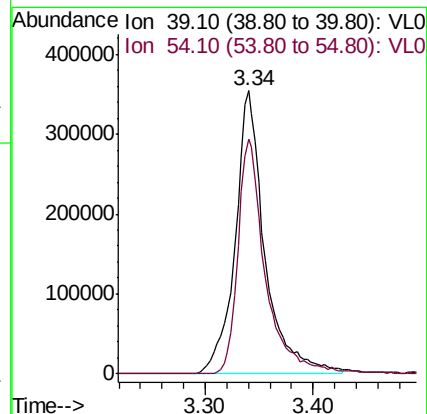
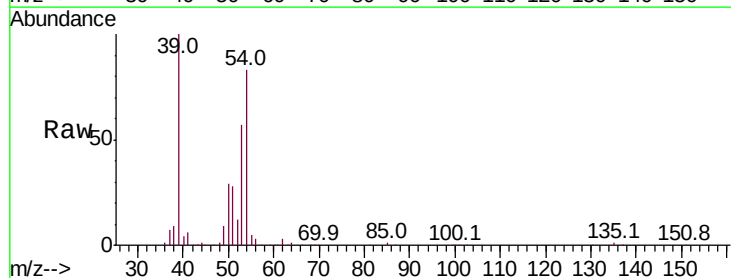
Acq: 29 Nov 2021 10:07

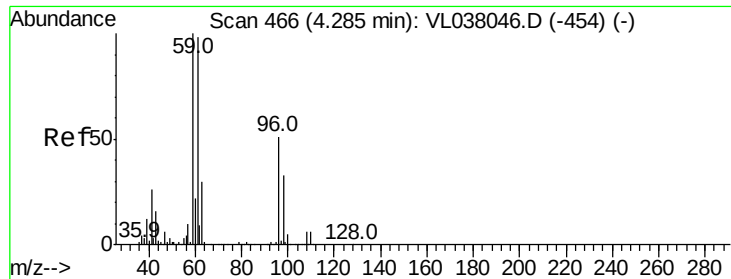
Tgt Ion: 39 Resp: 681957

Ion Ratio Lower Upper

39 100

54 77.3 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.855 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

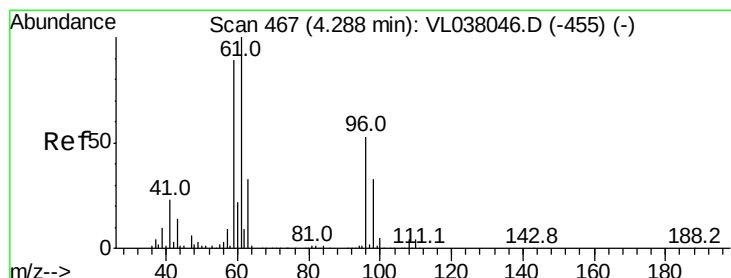
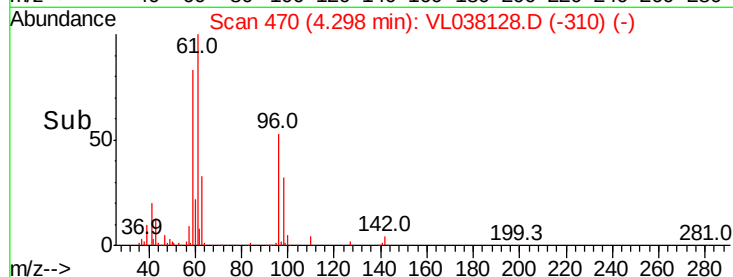
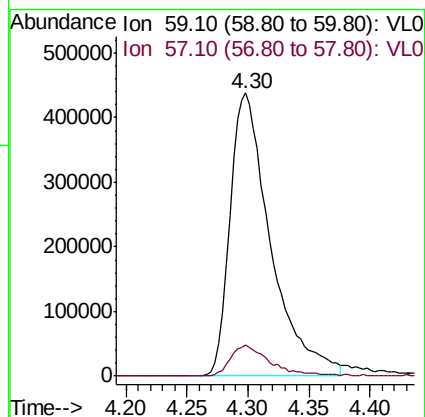
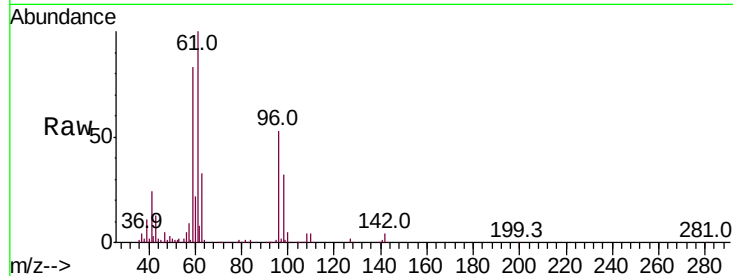
Acq: 29 Nov 2021 10:07

Tot Ion: 59 Resp: 1014183

Ion Ratio Lower Upper

59 100

57 11.4 8.6 13.0



#18

1,1-Dichloroethene

Concen: 10.698 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

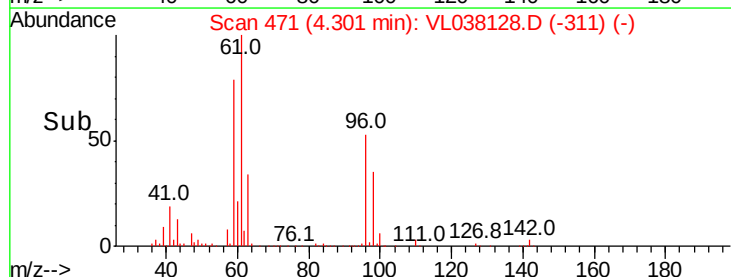
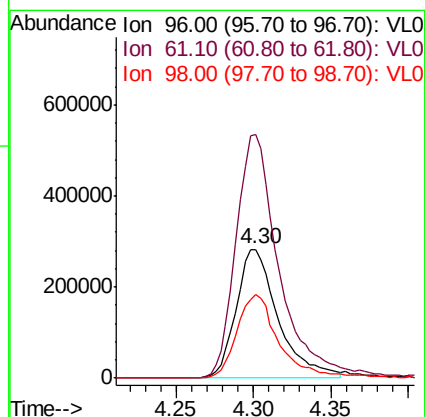
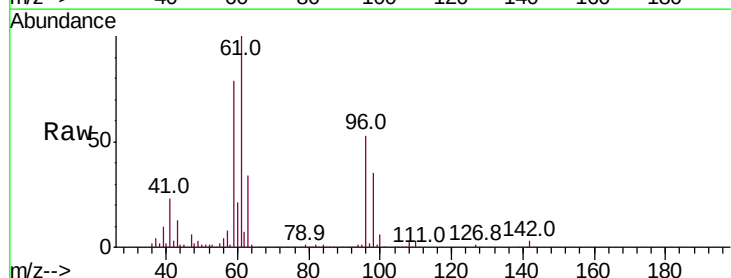
Tgt Ion: 96 Resp: 533605

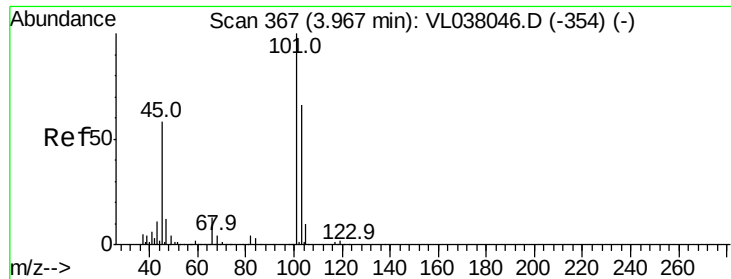
Ion Ratio Lower Upper

96 100

61 188.8 149.8 224.8

98 65.2 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.824 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

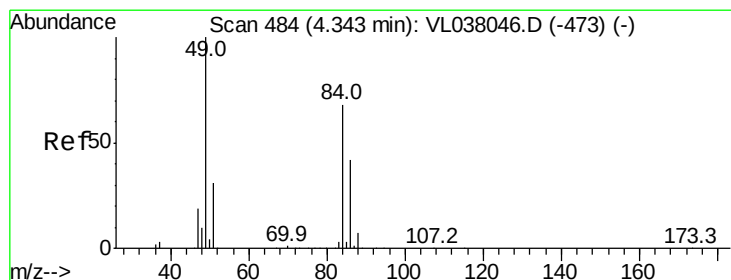
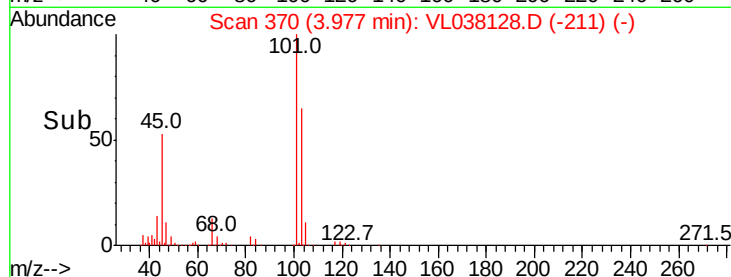
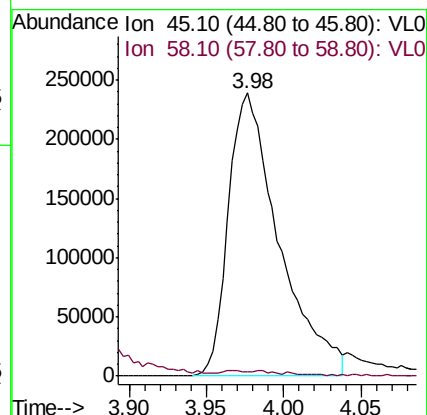
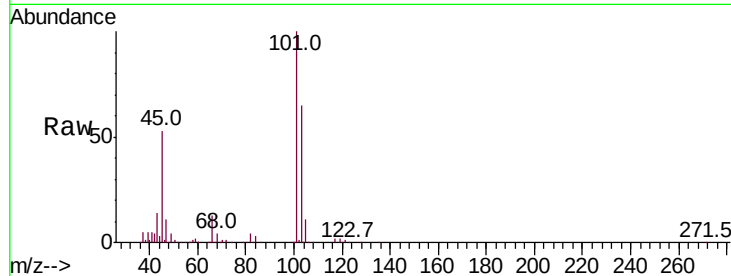
Acq: 29 Nov 2021 10:07

Tot Ion: 45 Resp: 540865

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.0#



#20

Methylene Chloride

Concen: 10.013 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 84 Resp: 475776

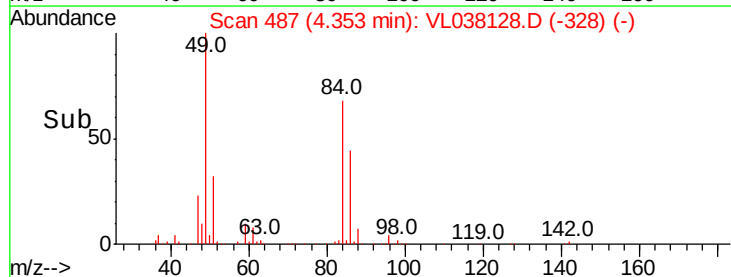
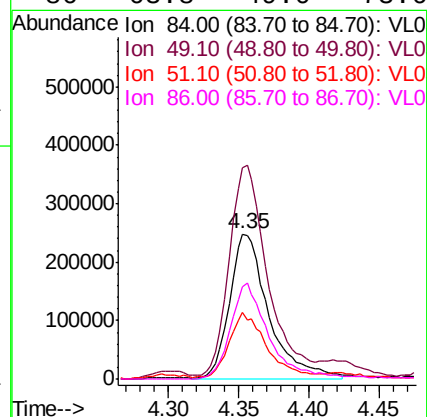
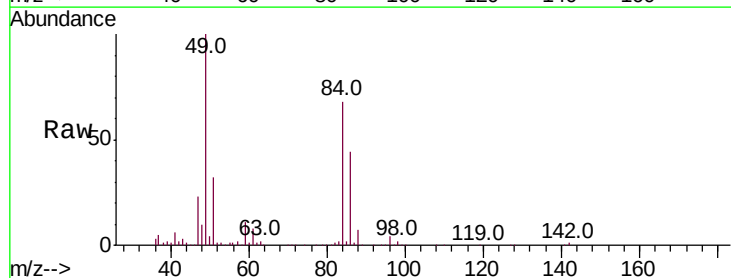
Ion Ratio Lower Upper

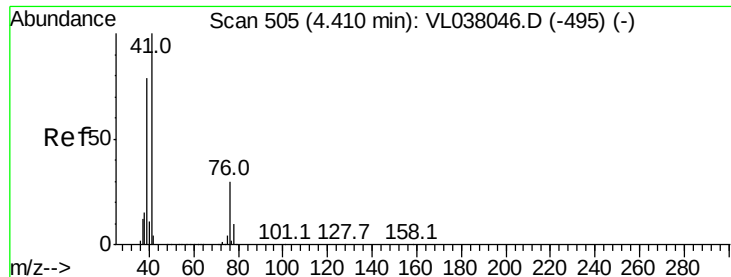
84 100

49 144.2 118.2 177.2

51 45.2 36.8 55.2

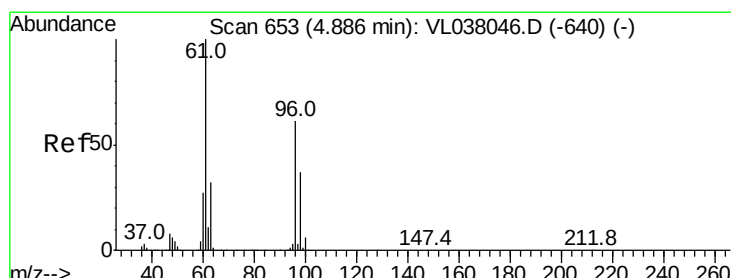
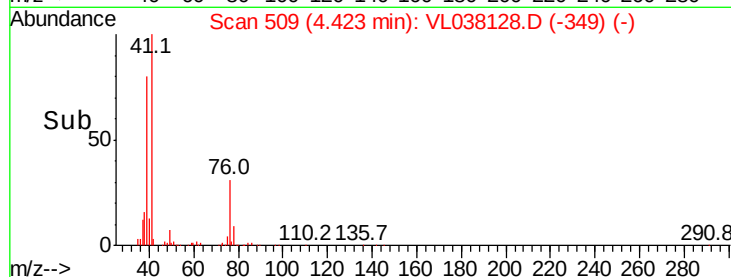
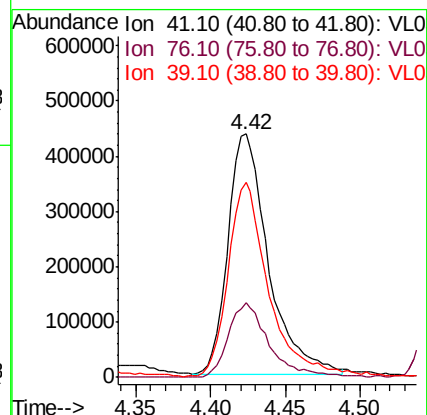
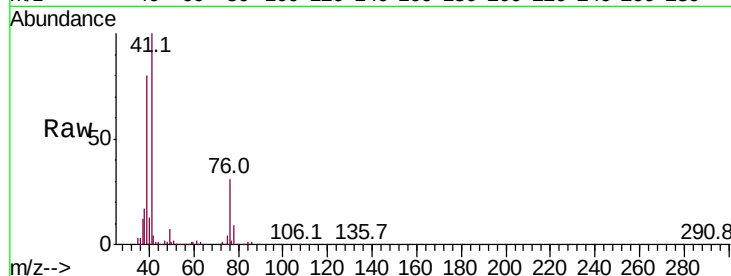
86 63.8 49.0 73.6





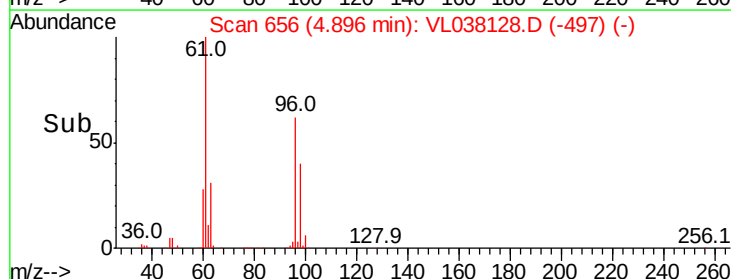
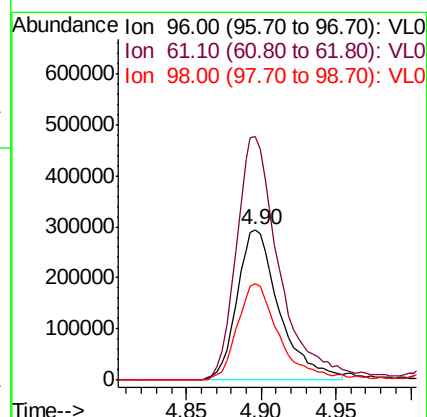
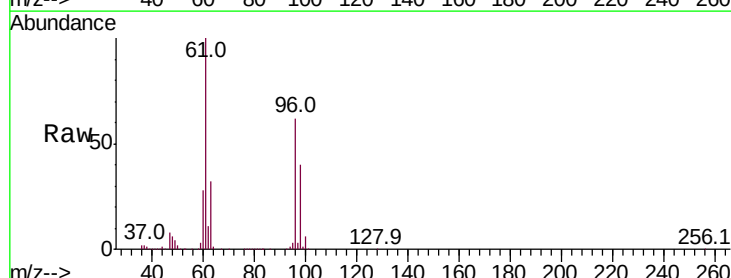
#21
 Allvl Chloride
 Concen: 10.455 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 29 Nov 2021 10:07

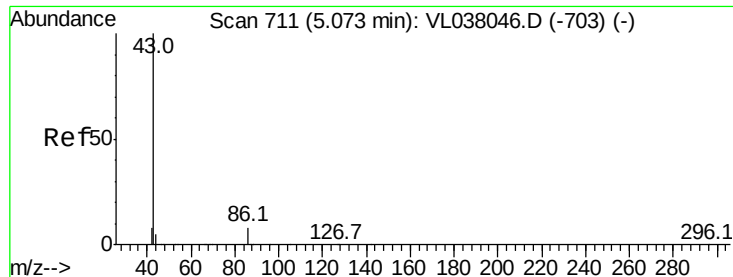
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.6	36.8
39	80.3	63.4	95.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.450 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	131.6	197.4
98	64.4	48.4	72.6





#23

Vinyl Acetate

Concen: 11.102 ppbv

RT: 5.08 Instrument: MSVOA_1

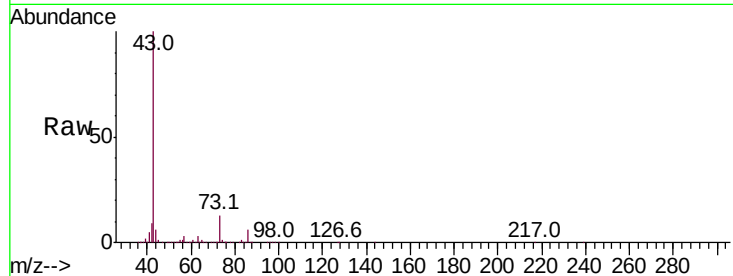
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 29 Nov 2021 10:07

Tot Ion: 43 Resp: 1363456

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.3	7.9
42	9.1	7.0	10.6
44	5.1	4.0	6.0

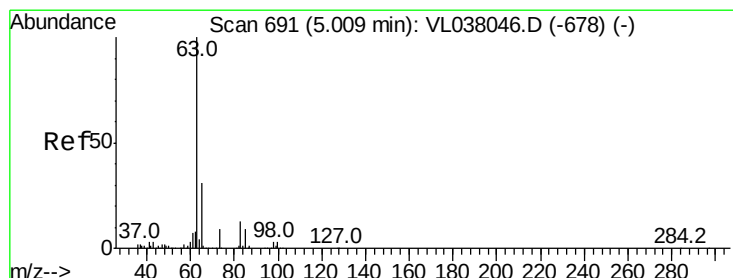
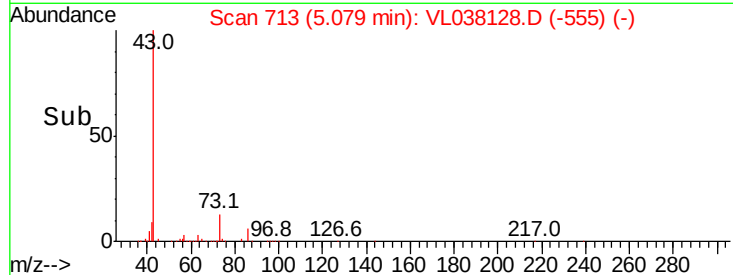
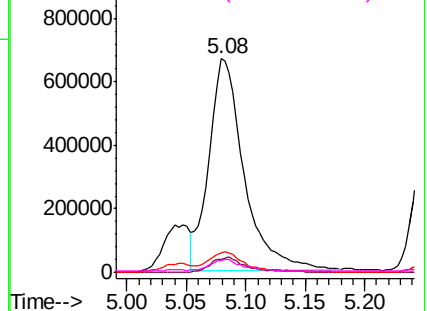


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.185 ppbv

RT: 5.02 min Scan# 694

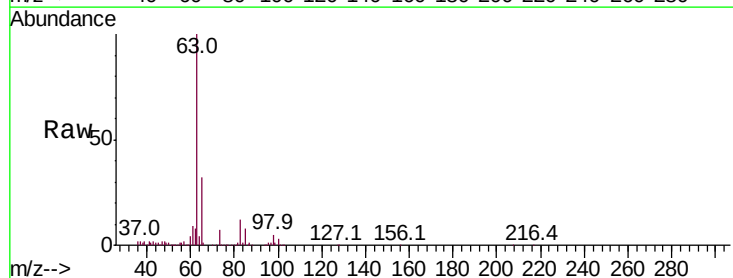
Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 63 Resp: 1143809

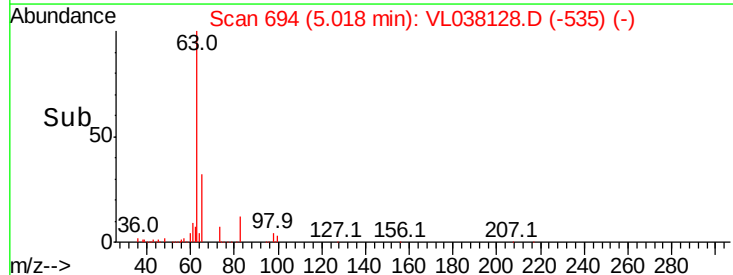
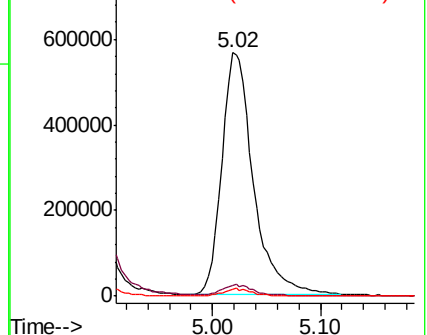
Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.4
100	2.8	1.4	4.0

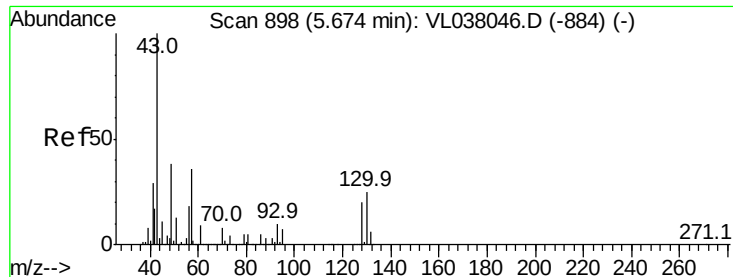


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

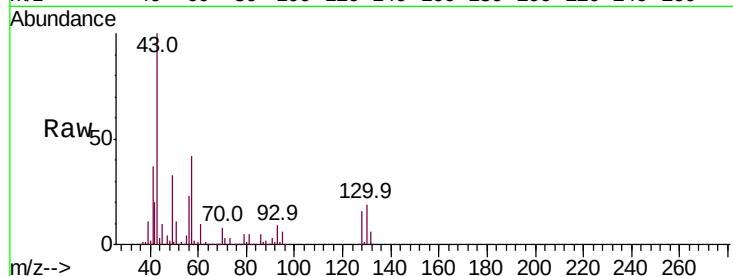




#25
Ethyl Acetate
Concen: 9.407 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Nov 2021 10:07

Tot Ion: 43 Resp: 2652297

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	10.0	7.8	11.6
70	7.0	5.8	8.8



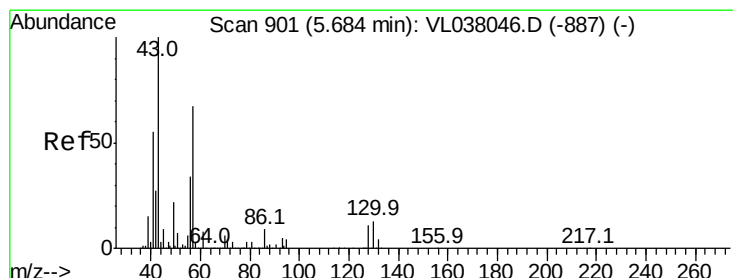
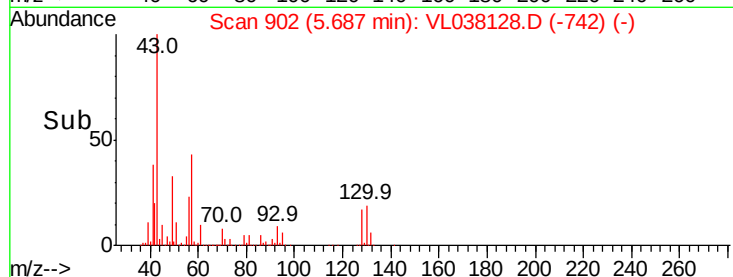
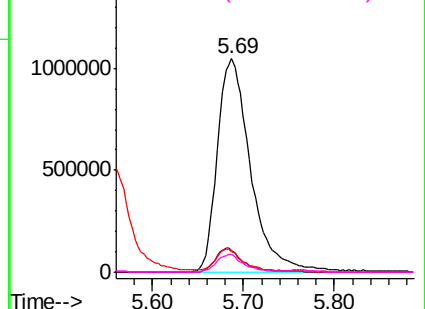
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

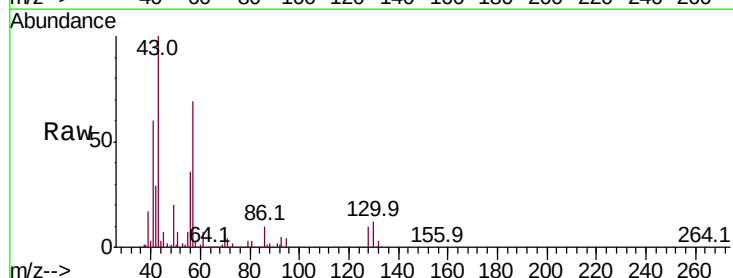
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.220 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tgt Ion: 57 Resp: 1253028

Ion	Ratio	Lower	Upper
57	100		
41	89.3	71.4	107.2
43	214.5	174.6	261.8
56	53.3	43.2	64.8



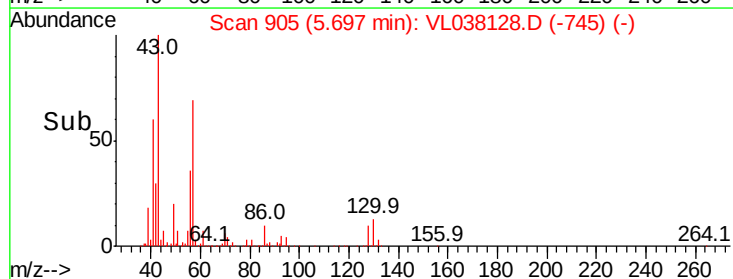
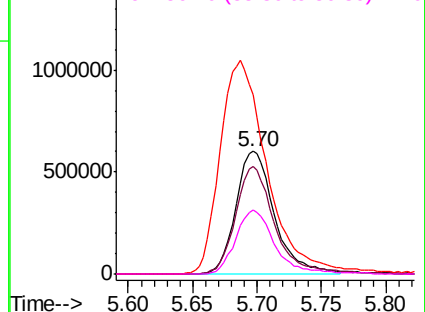
Abundance

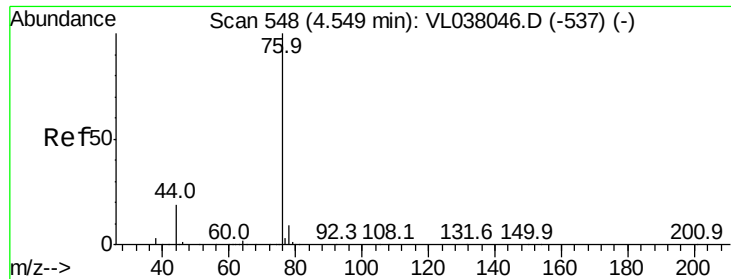
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.808 ppbv

RT: 4.56 Instrument: MSVOA_1

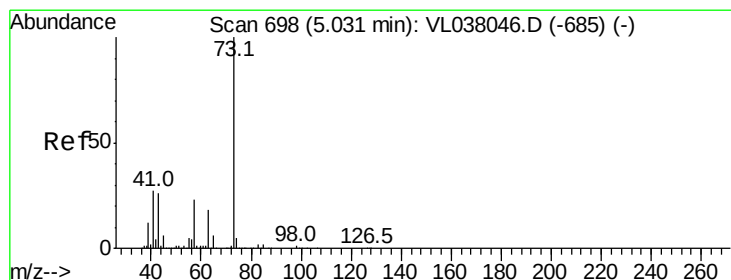
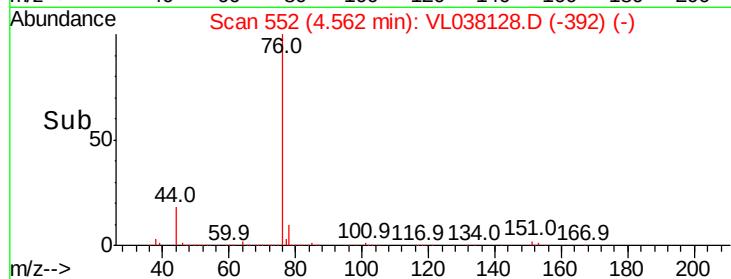
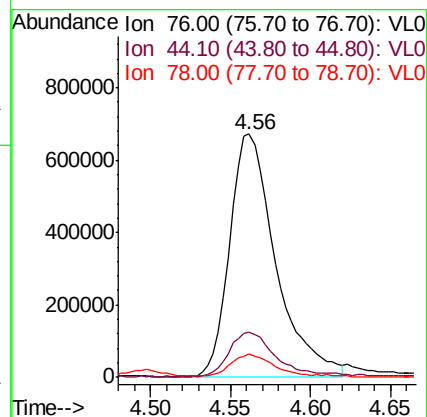
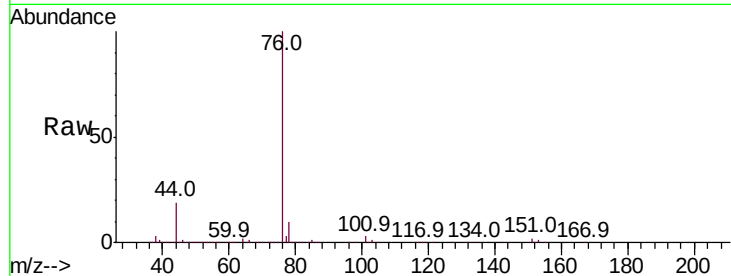
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 29 Nov 2021 10:07

Tot Ion: 76 Resp: 1315694

Ion	Ratio	Lower	Upper
76	100		
44	19.8	14.9	22.3
78	9.8	7.6	11.4



#28

Methyl tert-Butyl Ether

Concen: 10.992 ppbv

RT: 5.04 min Scan# 701

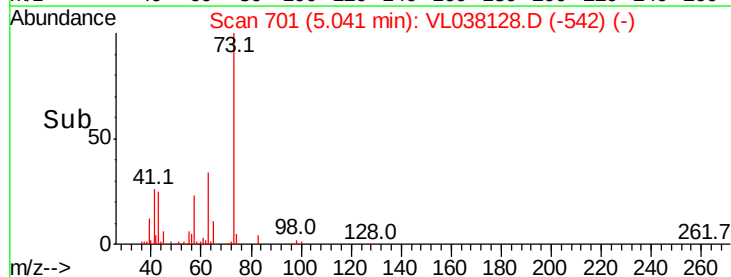
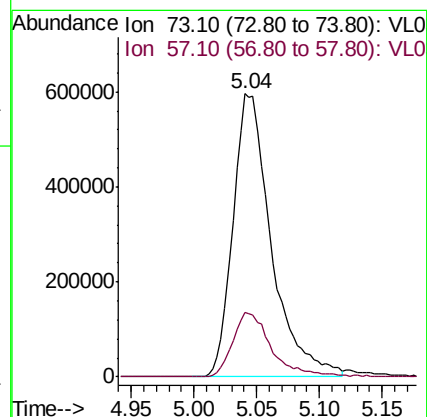
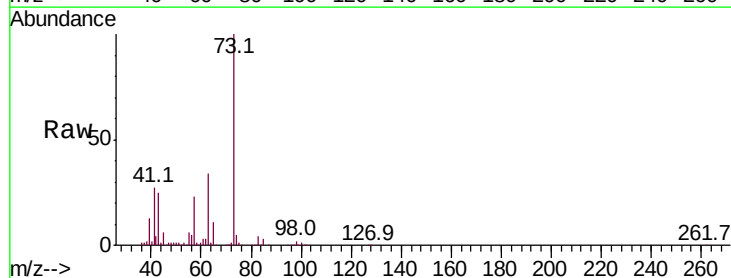
Delta R.T. 0.01 min

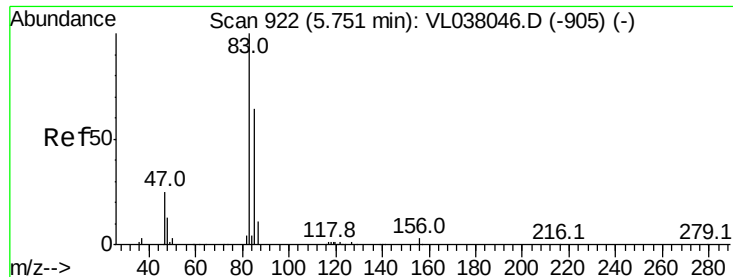
Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 73 Resp: 1268919

Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.0	28.4





#29

Chloroform

Concen: 10.048 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

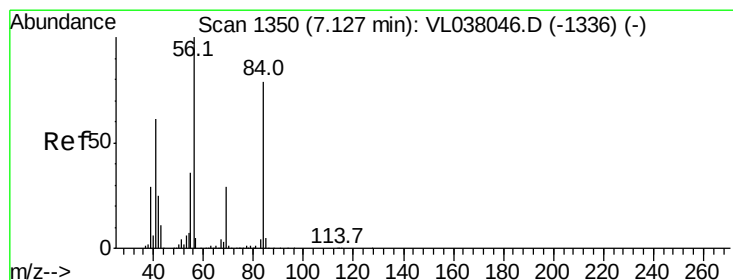
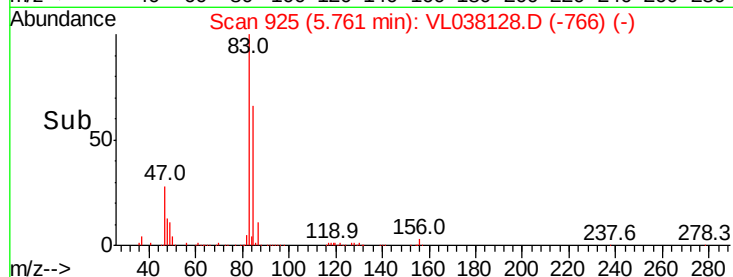
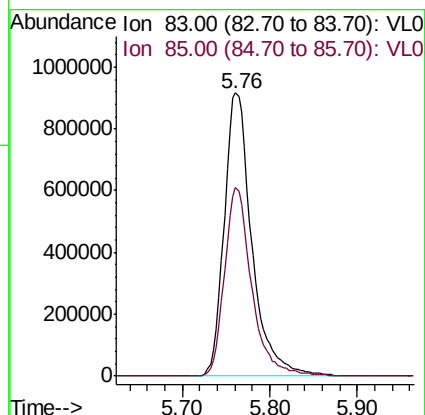
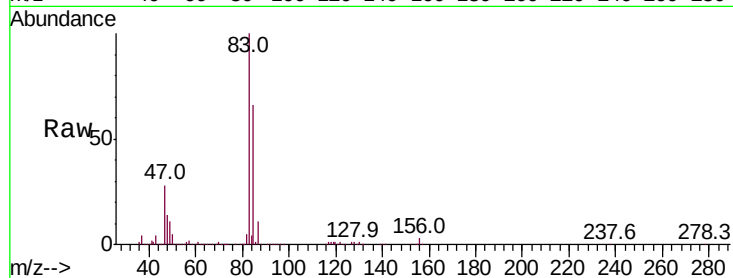
Acq: 29 Nov 2021 10:07

Tot Ion: 83 Resp: 2012547

Ion Ratio Lower Upper

83 100

85 66.2 51.0 76.6



#30

Cyclohexane

Concen: 9.295 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

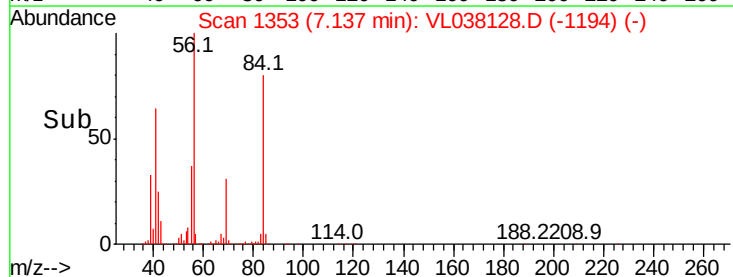
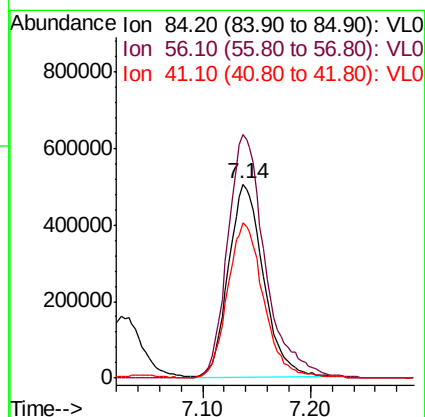
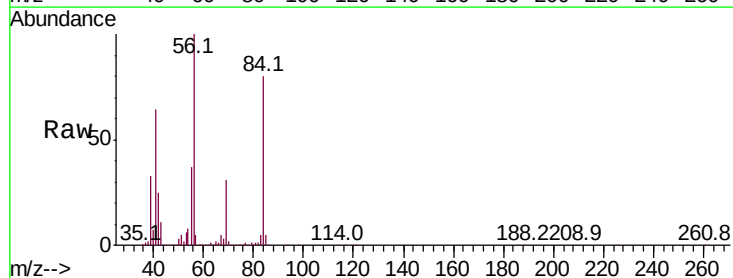
Tgt Ion: 84 Resp: 1146790

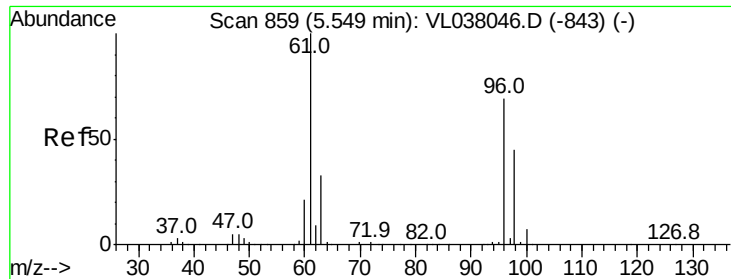
Ion Ratio Lower Upper

84 100

56 135.1 108.1 162.1

41 82.6 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.337 ppbv

RT: 5.56

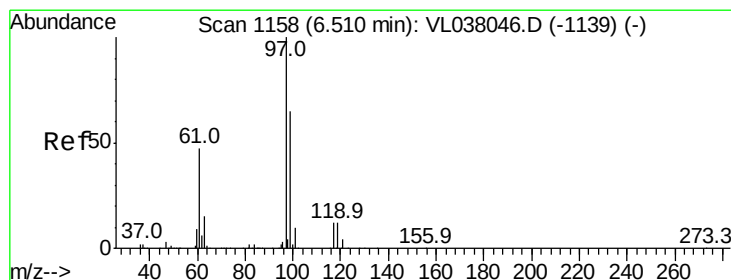
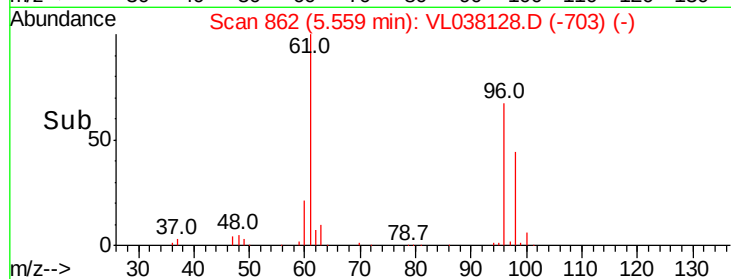
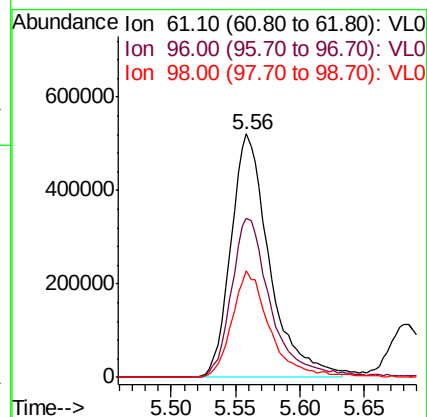
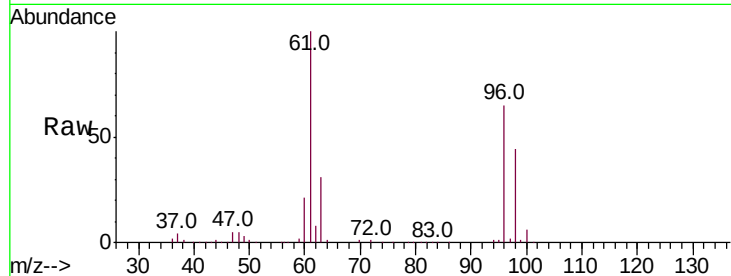
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07

Tot Ion: 61 Resp: 1077764

Ion	Ratio	Lower	Upper
61	100		
96	65.5	55.4	83.2
98	43.9	35.7	53.5



#32

1,1,1-Trichloroethane

Concen: 10.243 ppbv

RT: 6.52 min Scan# 1161

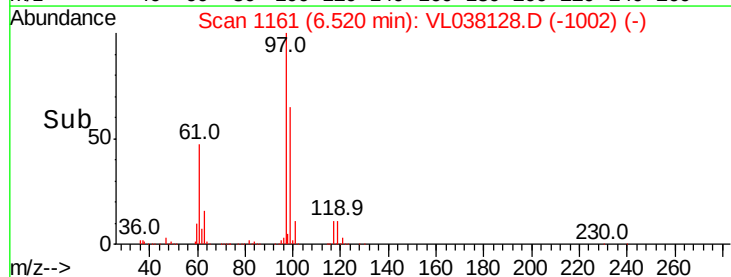
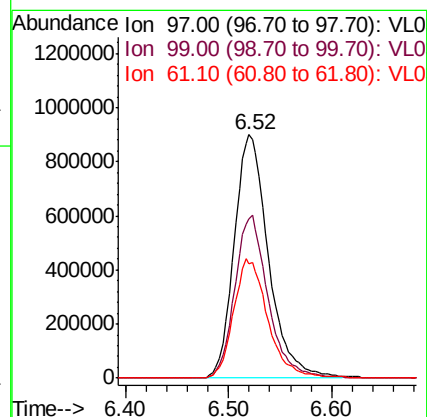
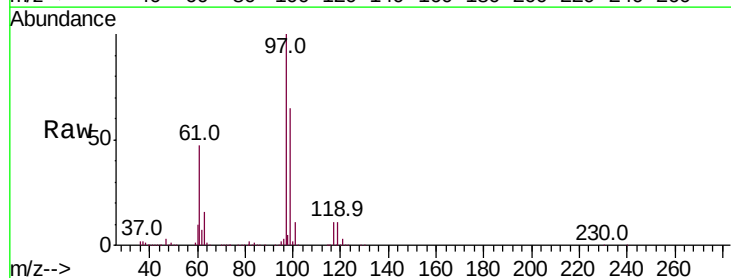
Delta R.T. 0.01 min

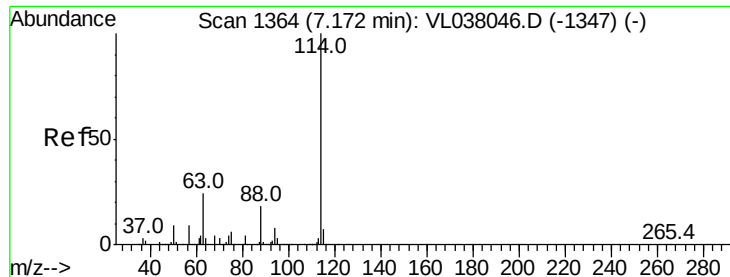
Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 97 Resp: 2082074

Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.4
61	49.2	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 29 Nov 2021 10:07

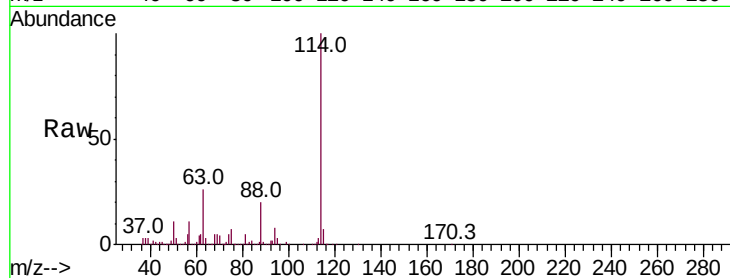
Tot Ion:114 Resp: 2921885

Ion Ratio Lower Upper

114 100

63 26.6 19.7 29.5

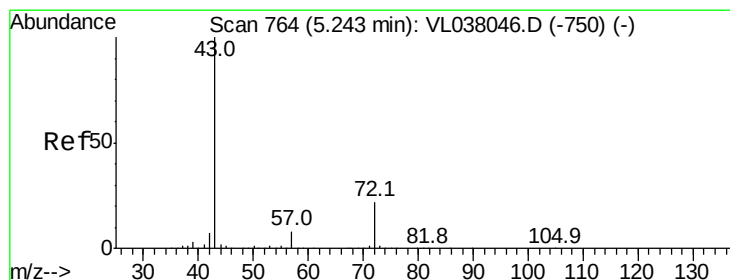
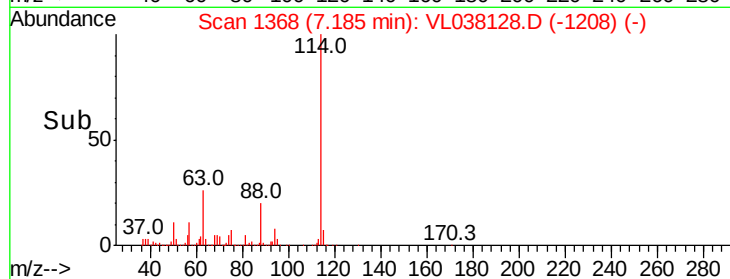
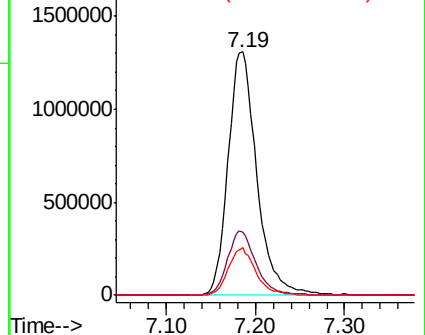
88 18.7 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 7.545 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.01 min

Lab File: VL038128.D

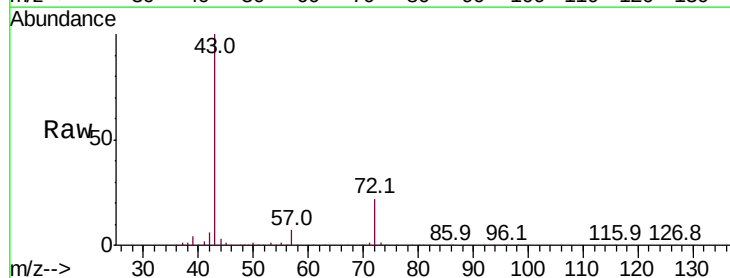
Acq: 29 Nov 2021 10:07

Tgt Ion: 43 Resp: 888943

Ion Ratio Lower Upper

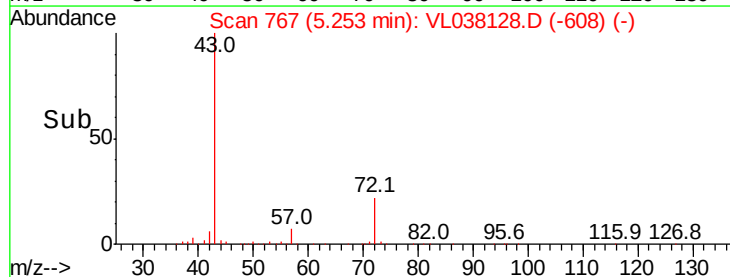
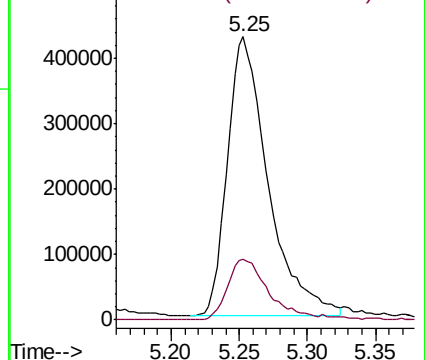
43 100

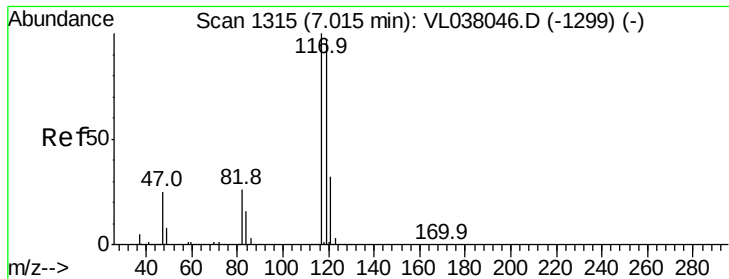
72 22.8 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

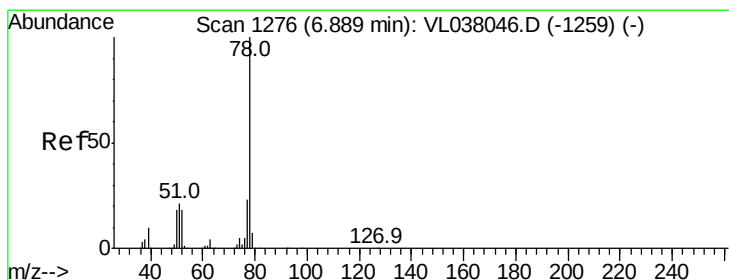
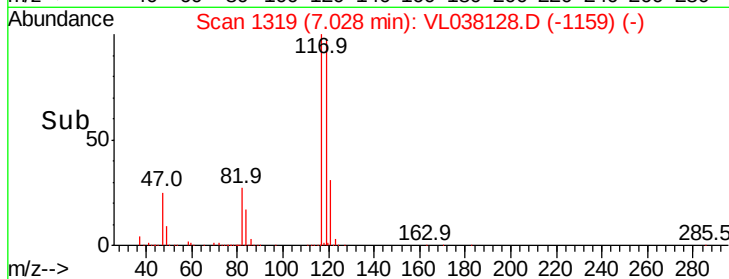
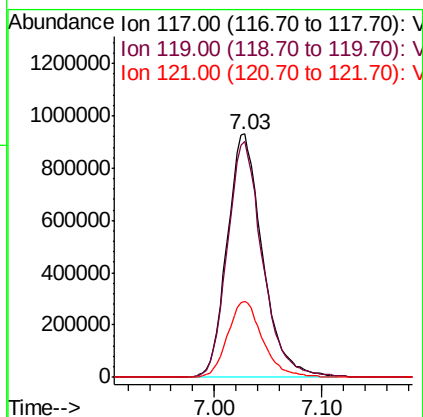
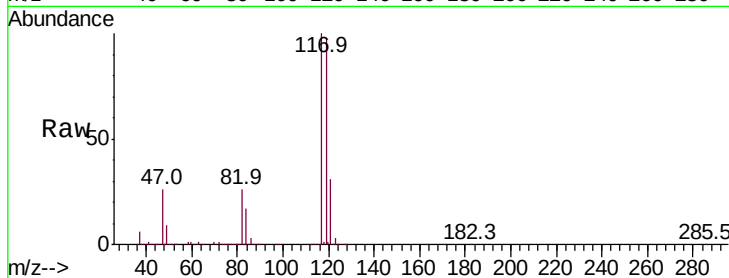
Ion 72.10 (71.80 to 72.80): VL0





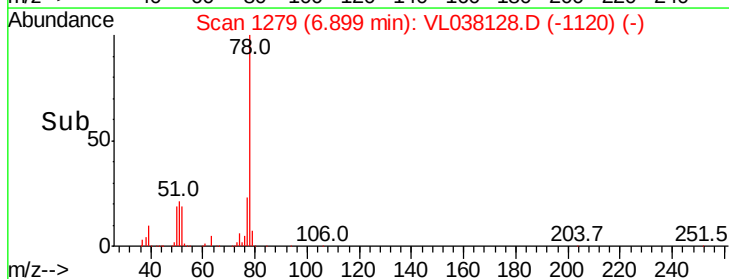
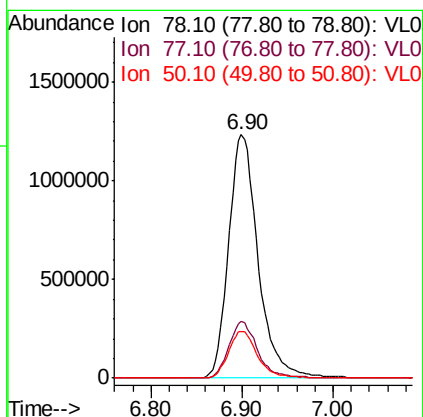
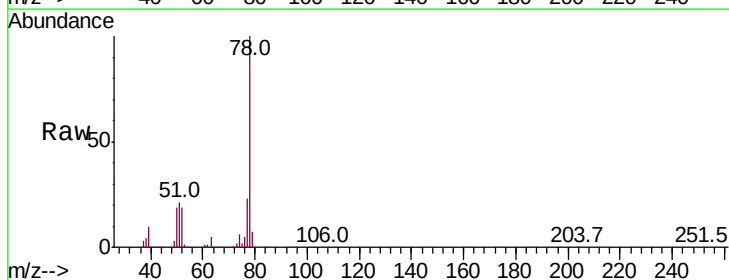
#35
Carbon Tetrachloride
Concen: 10.332 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Nov 2021 10:07

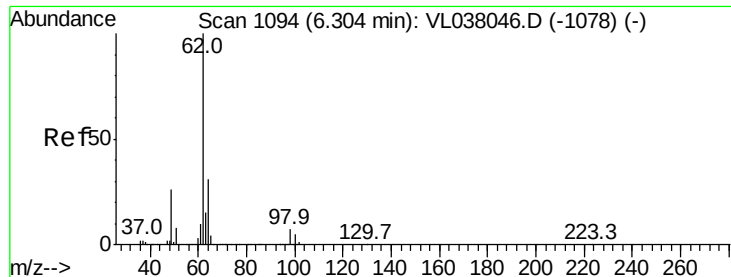
Tot Ion:117 Resp: 2121208
Ion Ratio Lower Upper
117 100
119 96.8 77.7 116.5
121 31.0 25.6 38.4



#36
Benzene
Concen: 9.524 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tgt Ion: 78 Resp: 2775990
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.4
50 19.0 14.7 22.1





#37

1,2-Dichloroethane

Concen: 11.152 ppbv

RT: 6.31 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

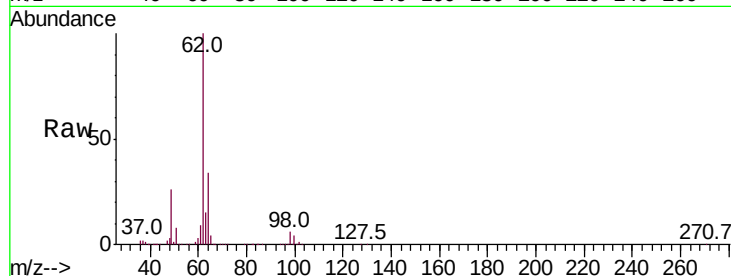
Acq: 29 Nov 2021 10:07

Tot Ion: 62 Resp: 1569775

Ion Ratio Lower Upper

62 100

98 6.4 5.8 8.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

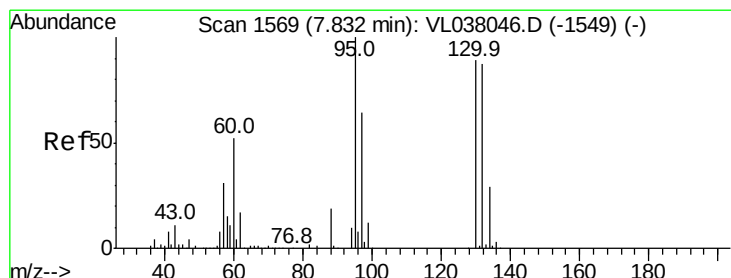
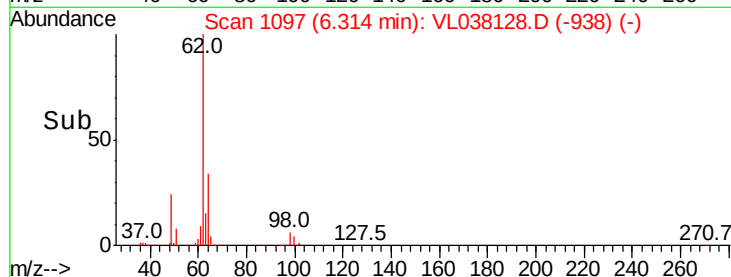
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.955 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion:130 Resp: 984559

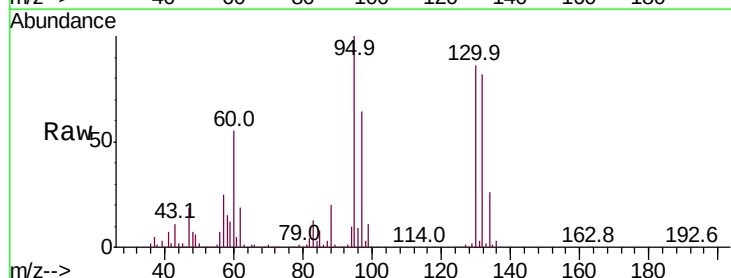
Ion Ratio Lower Upper

130 100

95 116.8 89.4 134.2

132 95.2 78.2 117.2

97 74.7 57.0 85.4



Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

800000

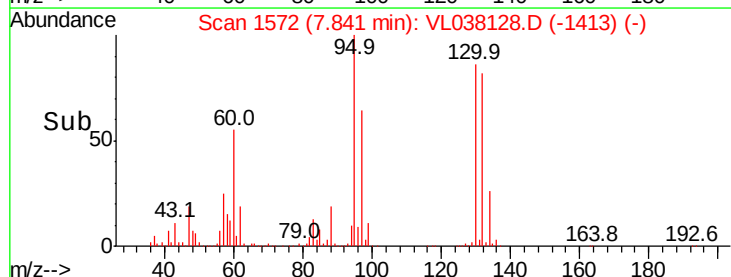
600000

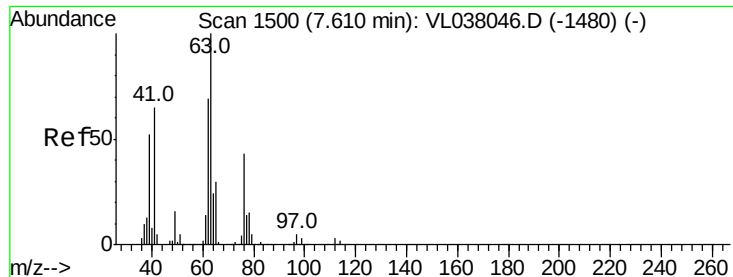
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.830 ppbv

RT: 7.62

Instrument: MSVOA_1

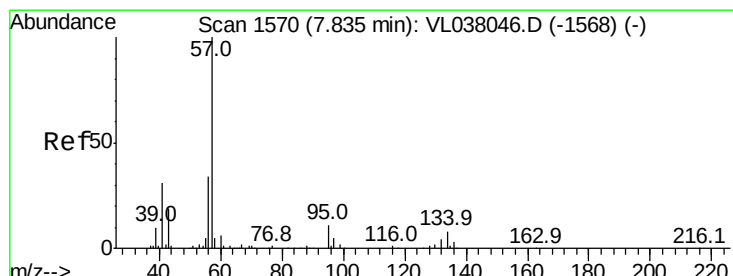
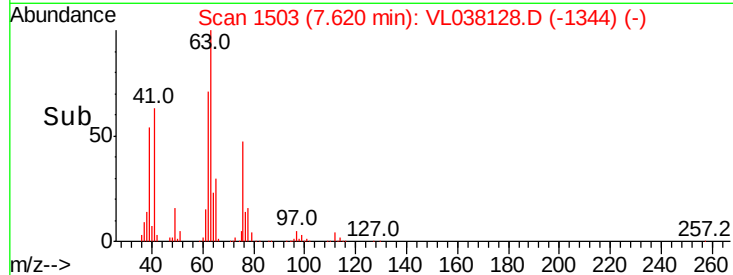
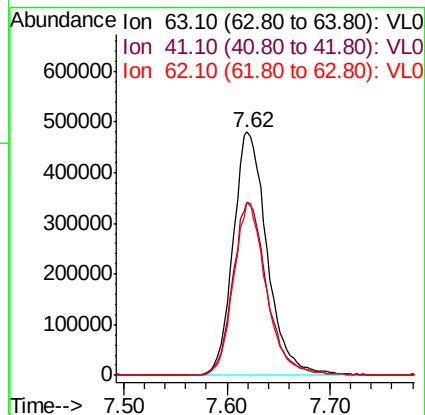
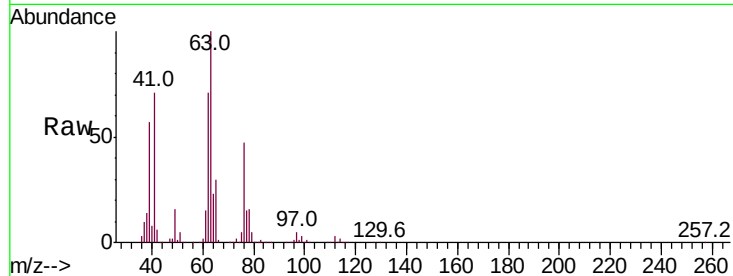
Delta R.T. 0.01

Lab File: ClientSampleId: VSTDCCC010

Acq: 29 Nov 2021 10:07

Tot Ion: 63 Resp: 1099004

Ion	Ratio	Lower	Upper
63	100		
41	71.0	52.3	78.5
62	71.1	55.1	82.7



#40

1,4-Dioxane

Concen: 9.097 ppbv

RT: 7.84 min Scan# 1572

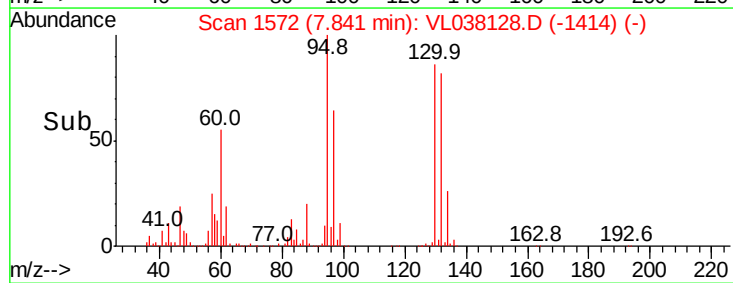
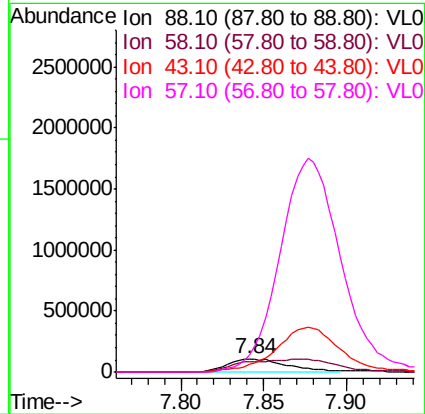
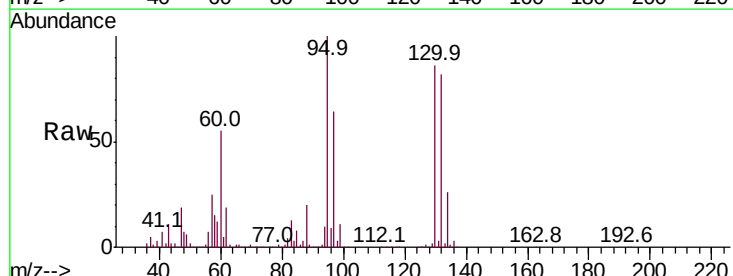
Delta R.T. 0.01 min

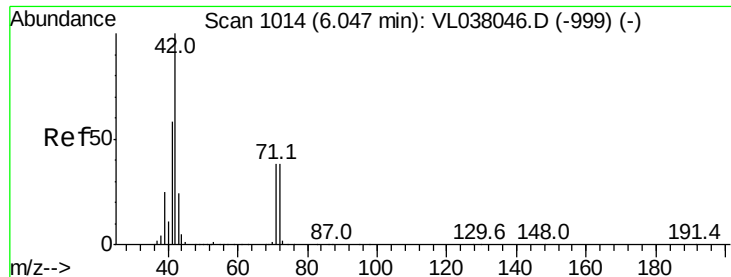
Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 88 Resp: 264973

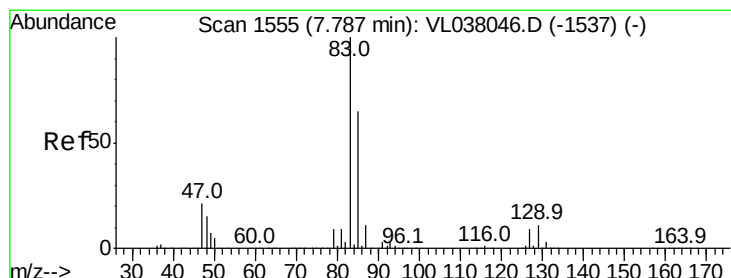
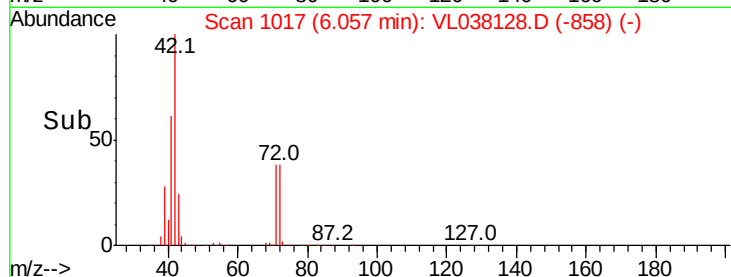
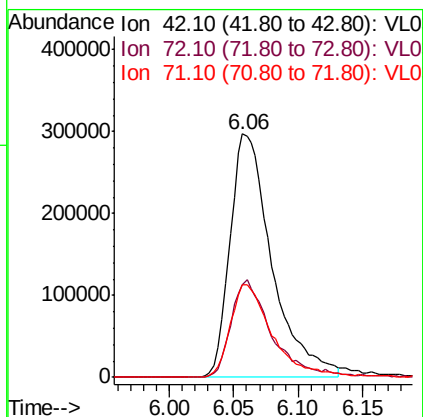
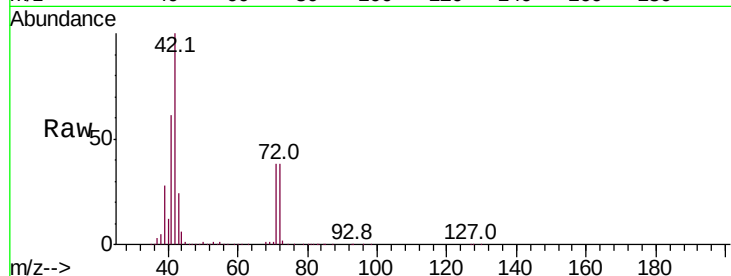
Ion	Ratio	Lower	Upper
88	100		
58	0.0	229.2	343.8#
43	0.0	553.3	829.9#
57	0.0	2513.8	3770.8#





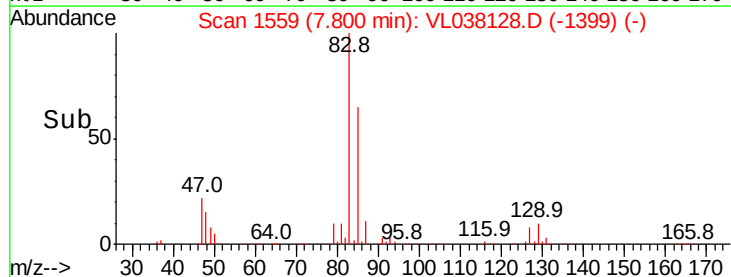
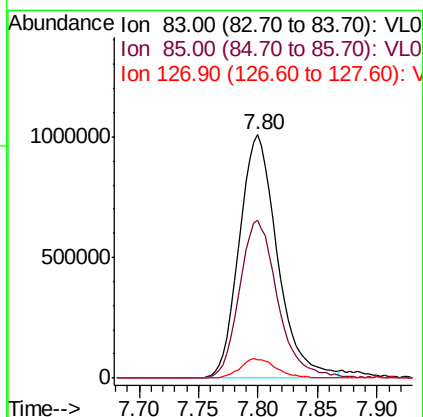
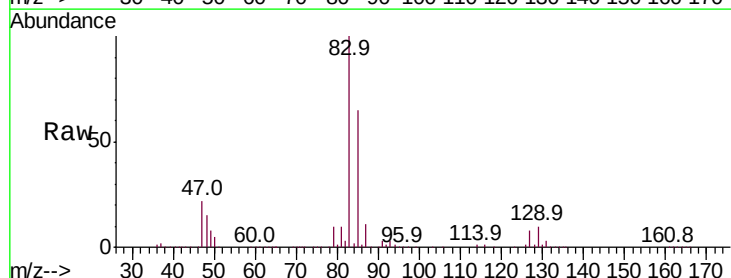
#41
Tetrahydrofuran
Concen: 9.192 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Nov 2021 10:07

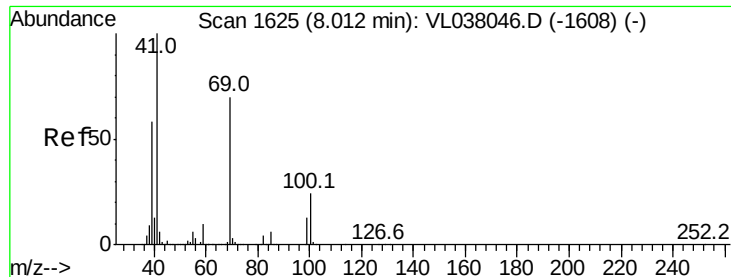
Tot Ion: 42 Resp: 672280
Ion Ratio Lower Upper
42 100
72 39.5 31.7 47.5
71 39.0 30.6 46.0



#42
Bromodichloromethane
Concen: 10.505 ppbv
RT: 7.80 min Scan# 1559
Delta R.T.: 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tgt Ion: 83 Resp: 2248159
Ion Ratio Lower Upper
83 100
85 65.1 51.9 77.9
127 7.7 6.8 10.2





#43

Methyl Methacrylate

Concen: 10.324 ppbv

RT: 8.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07 VSTDCCC010

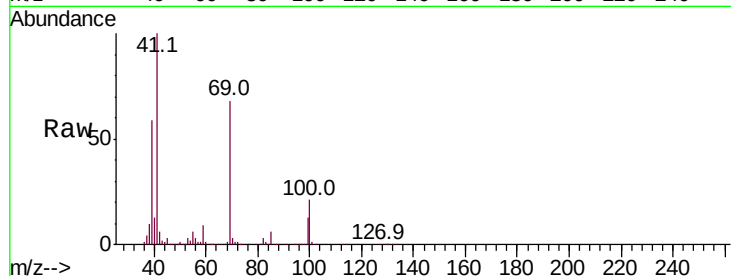
Tot Ion: 69 Resp: 1029501

Ion Ratio Lower Upper

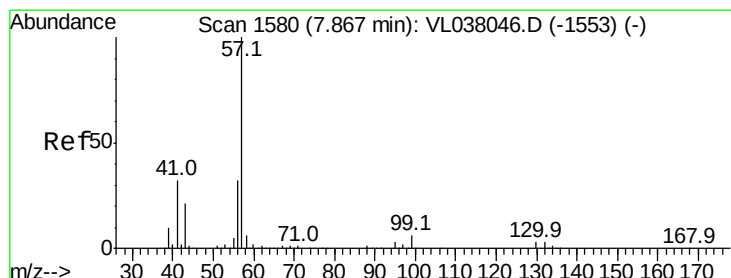
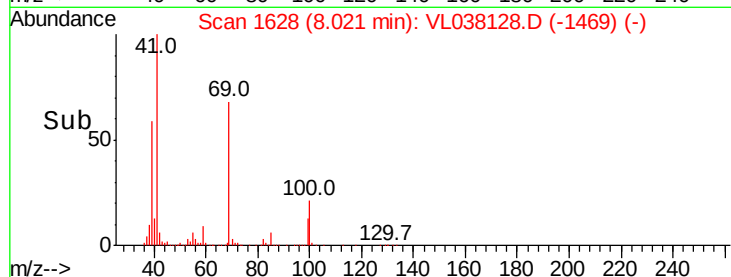
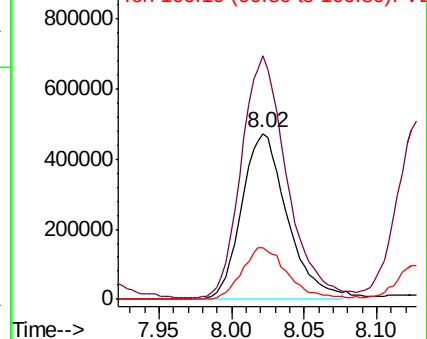
69 100

41 148.0 116.7 175.1

100 31.5 27.3 40.9



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.298 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

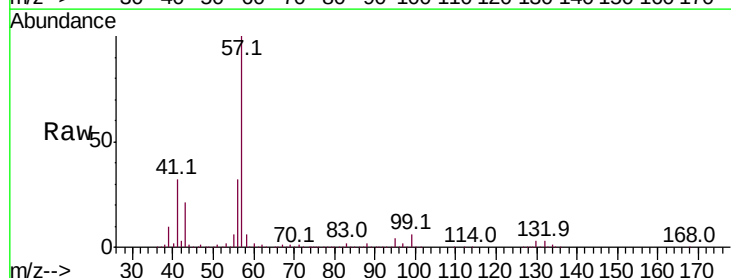
Tgt Ion: 57 Resp: 4534161

Ion Ratio Lower Upper

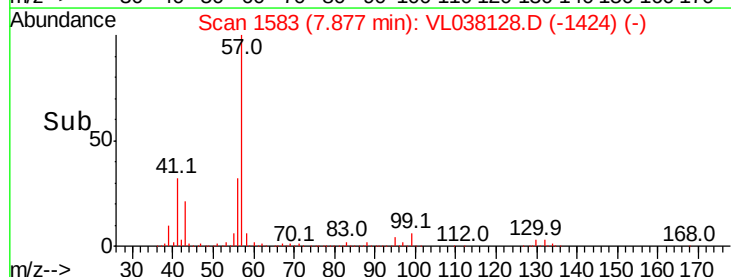
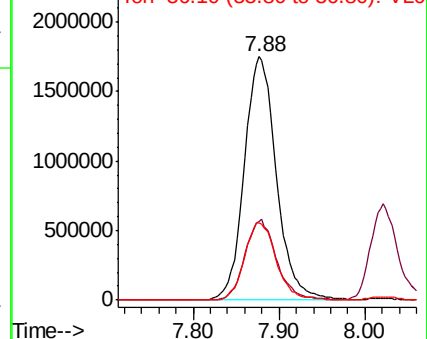
57 100

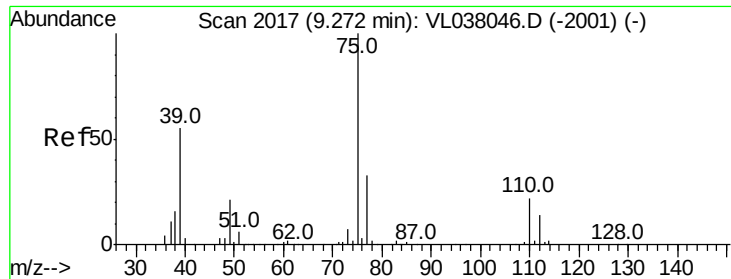
41 32.6 25.8 38.6

56 31.5 25.6 38.4



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





#45

t-1,3-Dichloropropene

Concen: 11.567 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

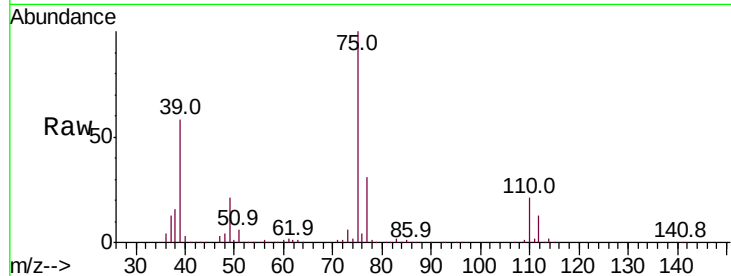
Acq: 29 Nov 2021 10:07

Tot Ion: 75 Resp: 925202

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

500000

400000

300000

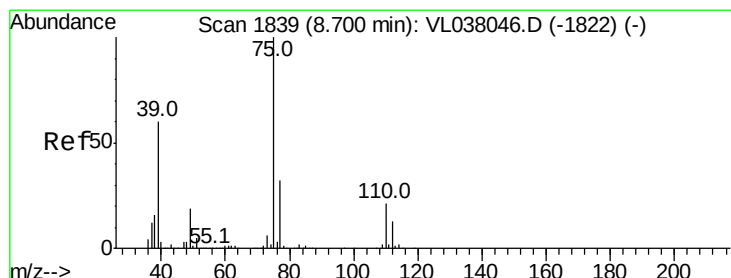
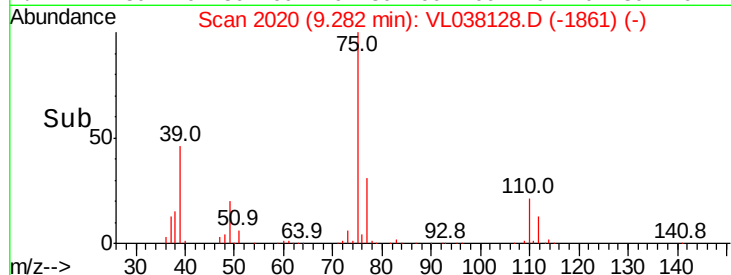
200000

100000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.836 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

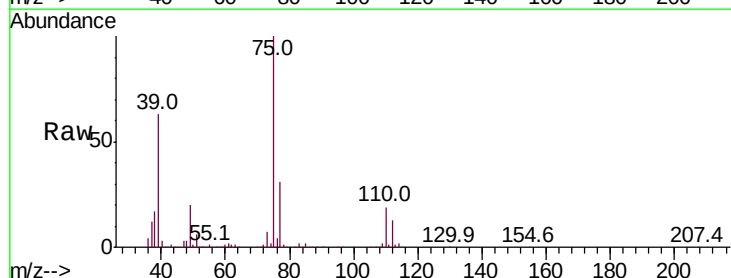
Tgt Ion: 75 Resp: 1172278

Ion Ratio Lower Upper

75 100

39 63.3 47.8 71.8

77 31.0 25.5 38.3



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

600000

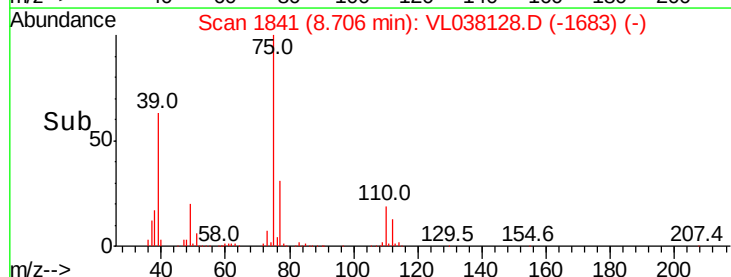
400000

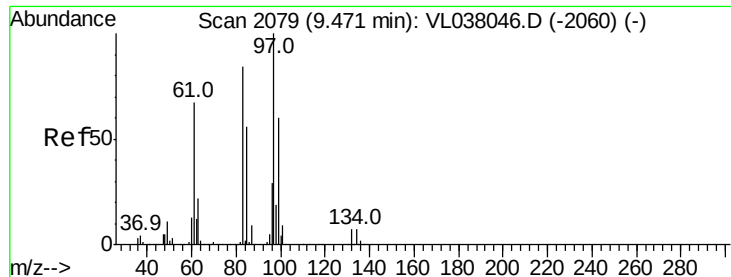
200000

0

8.60 8.70 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.494 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07 VSTDCCC010

Tot Ion: 97 Resp: 1111652

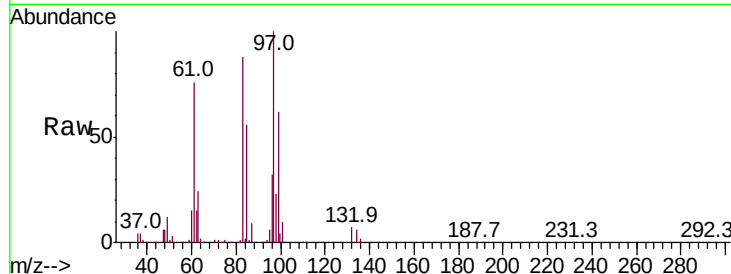
Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.8	100.2
85	56.0	44.9	67.3
99	62.4	48.0	72.0

97 100

83 88.3 66.8 100.2

85 56.0 44.9 67.3

99 62.4 48.0 72.0

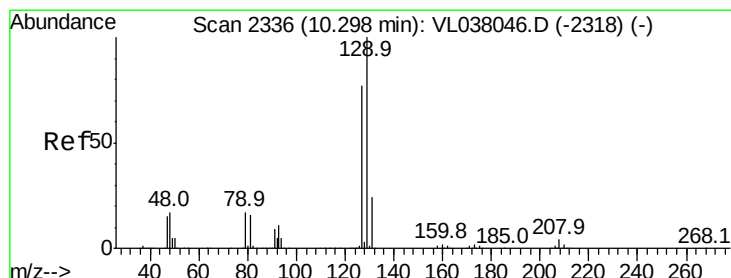
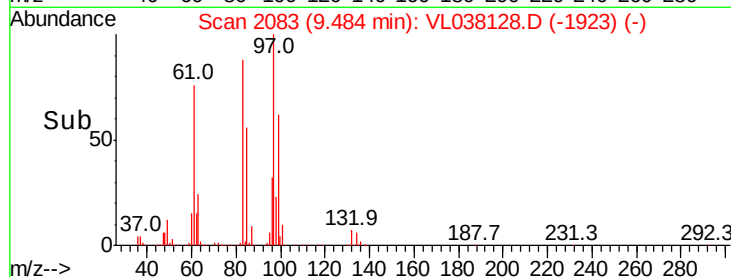
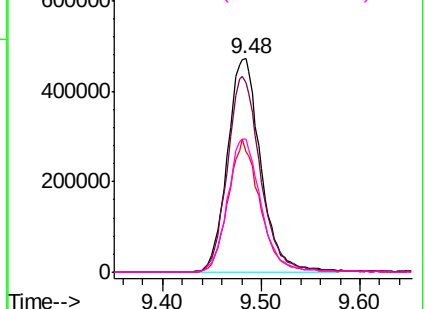


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.208 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. 0.01 min

Lab File: VL038128.D

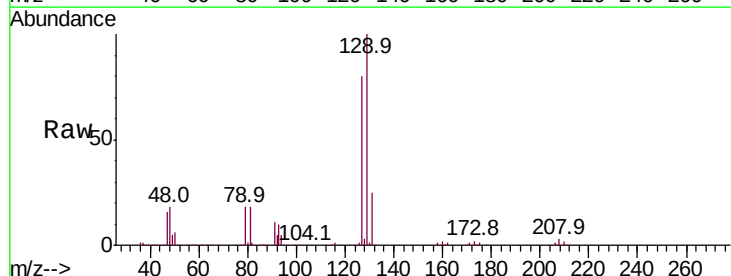
Acq: 29 Nov 2021 10:07

Tgt Ion: 129 Resp: 1820273

Ion	Ratio	Lower	Upper
129	100		
127	81.1	39.4	118.1

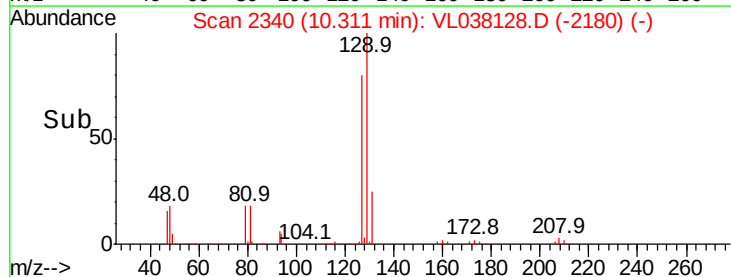
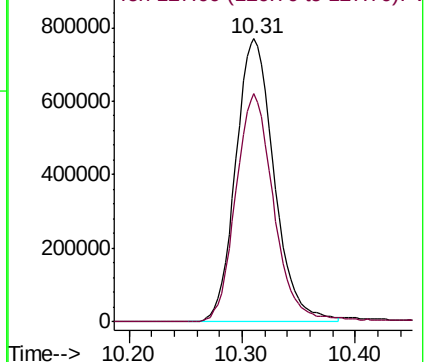
129 100

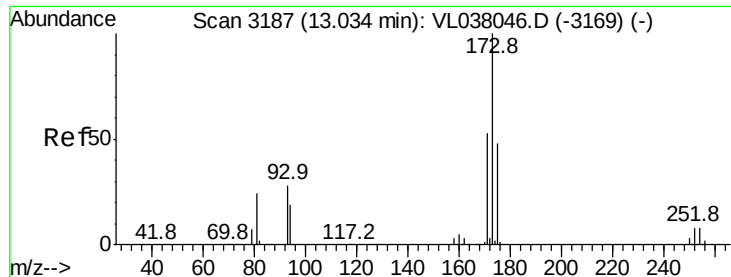
127 81.1 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.247 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Nov 2021 10:07

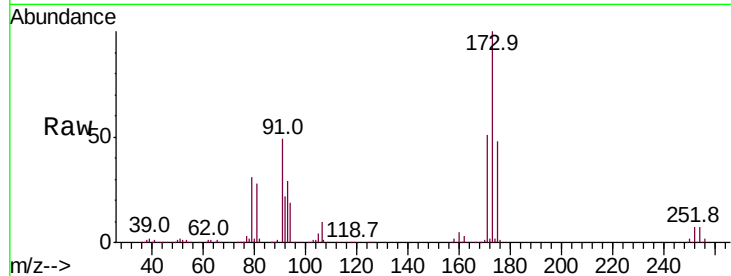
Tot Ion:173 Resp: 1307292

Ion Ratio Lower Upper

173 100

175 51.5 42.5 63.7

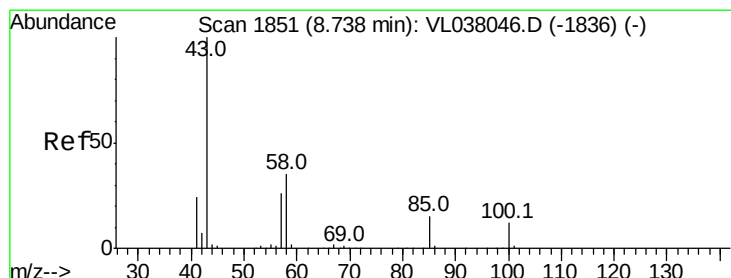
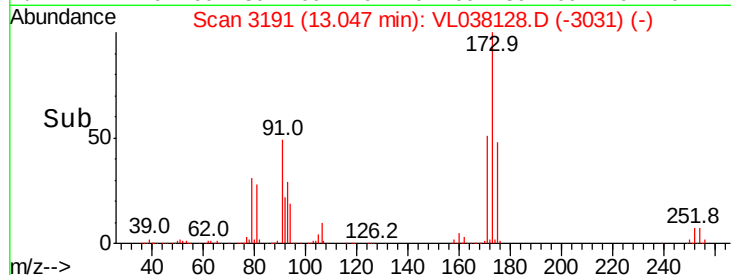
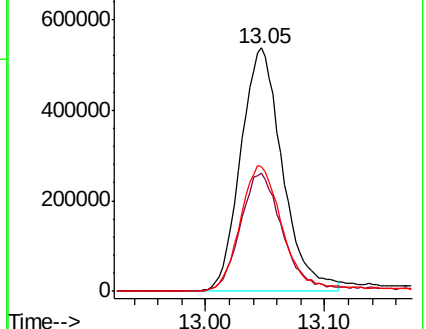
171 55.7 44.0 66.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.202 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL038128.D

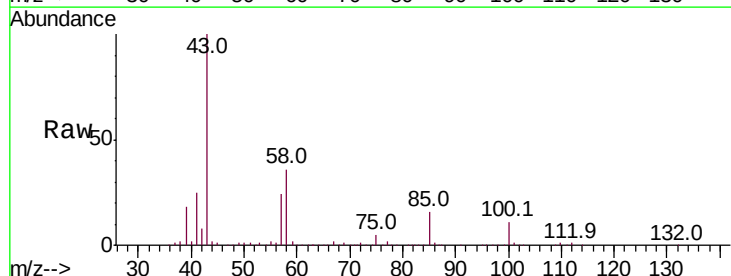
Acq: 29 Nov 2021 10:07

Tgt Ion: 43 Resp: 1825438

Ion Ratio Lower Upper

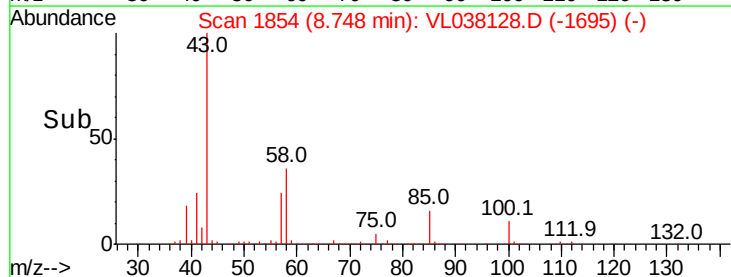
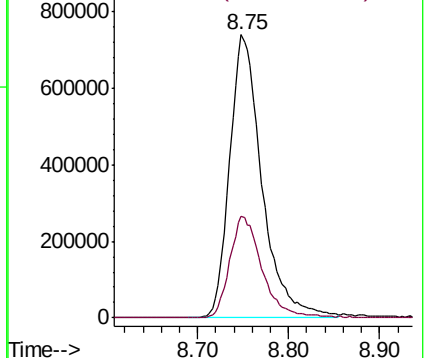
43 100

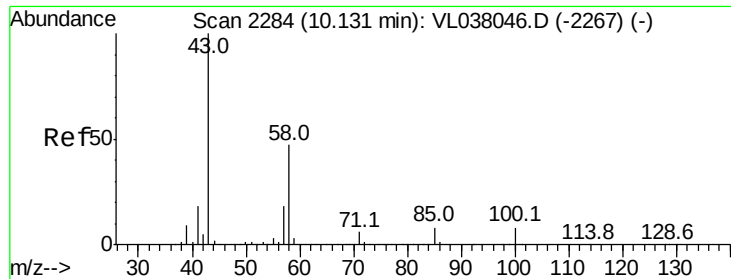
58 36.2 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.913 ppbv

RT: 10.14

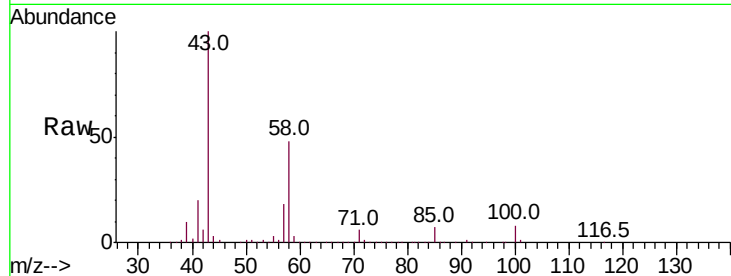
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

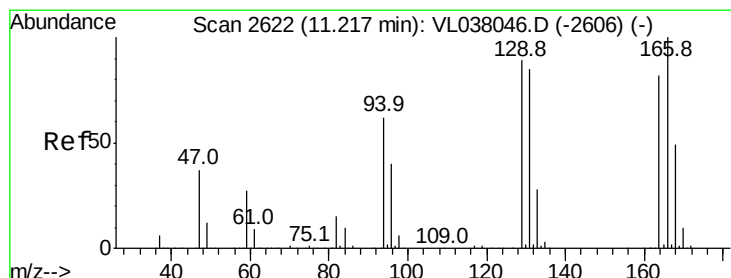
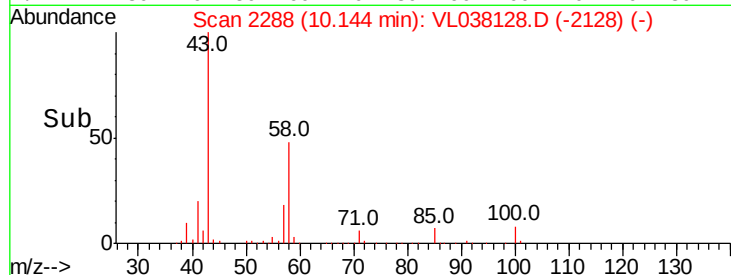
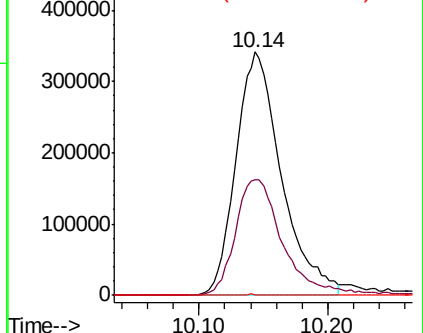
Acq: 29 Nov 2021 10:07

Tot Ion: 43 Resp: 834458

Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.1	61.7
98	0.3	0.1	0.1#



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



#52

Tetrachloroethene

Concen: 8.456 ppbv

RT: 11.23 min Scan# 2626

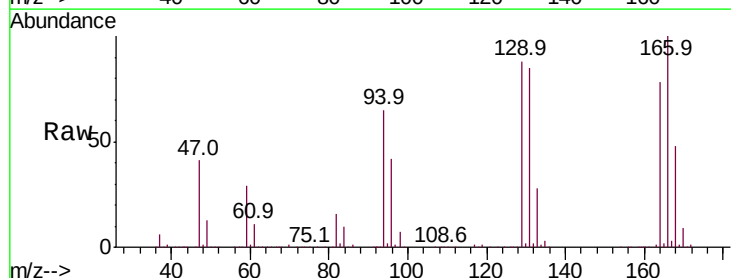
Delta R.T. 0.01 min

Lab File: VL038128.D

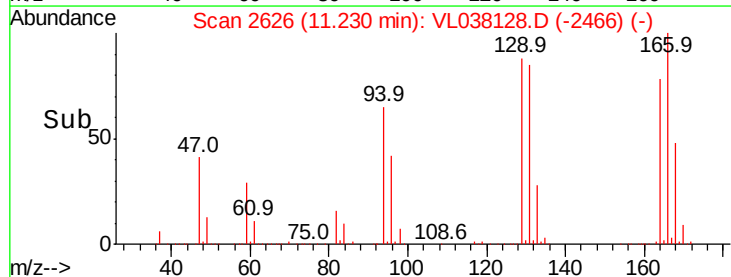
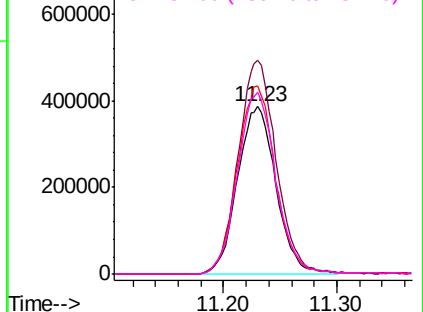
Acq: 29 Nov 2021 10:07

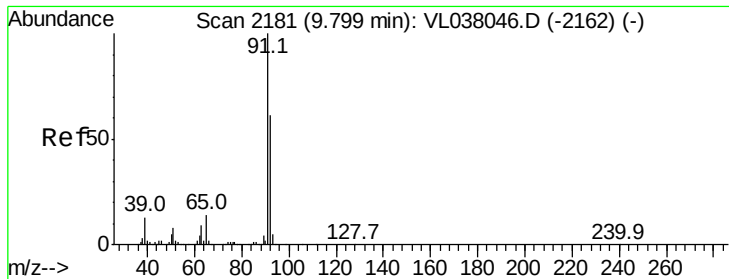
Tgt Ion: 164 Resp: 911895

Ion	Ratio	Lower	Upper
164	100		
166	127.6	97.2	145.8
129	112.1	86.9	130.3
131	108.4	82.8	124.2



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





#53

Toluene

Concen: 9.330 ppbv

RT: 9.81 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

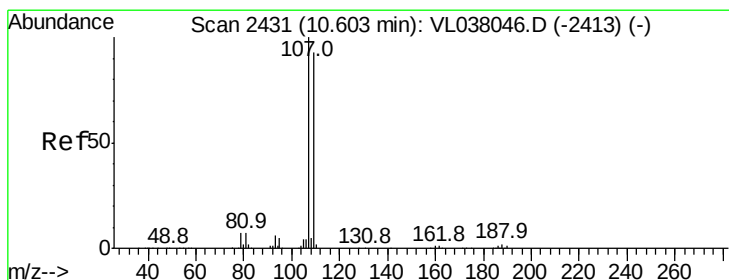
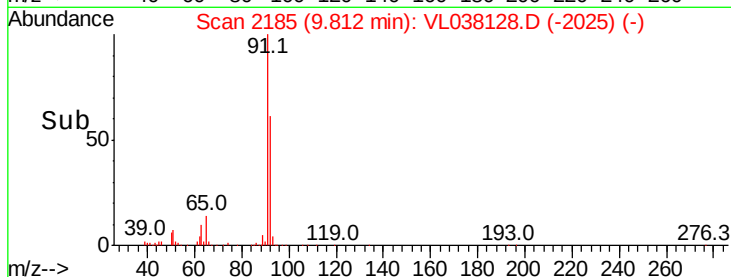
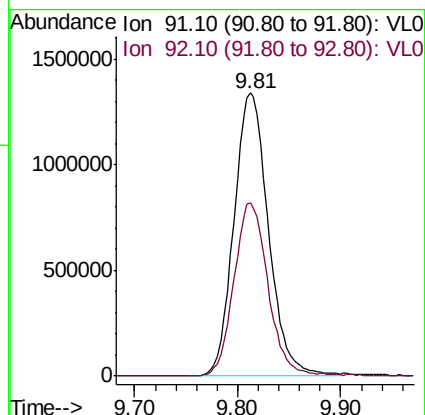
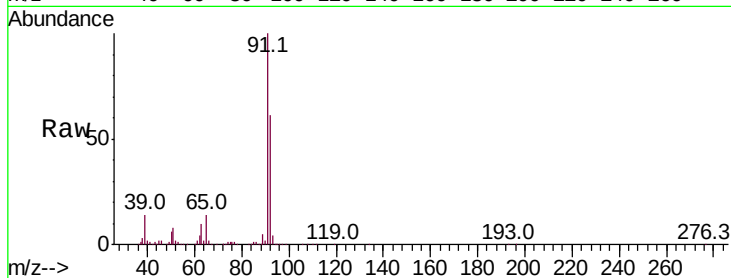
Acq: 29 Nov 2021 10:07

Tot Ion: 91 Resp: 3128685

Ion Ratio Lower Upper

91 100

92 61.0 49.7 74.5



#54

1,2-Dibromoethane

Concen: 9.784 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL038128.D

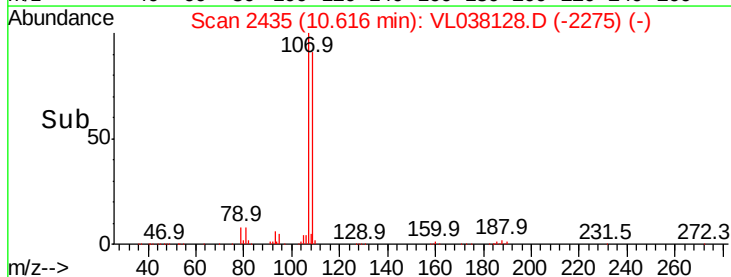
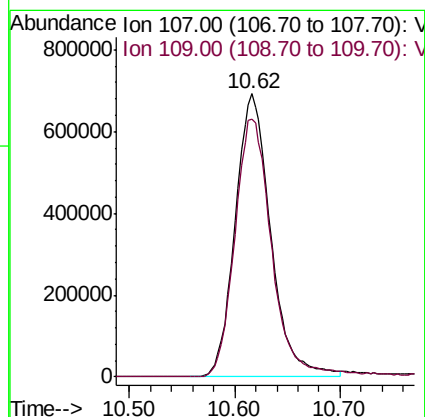
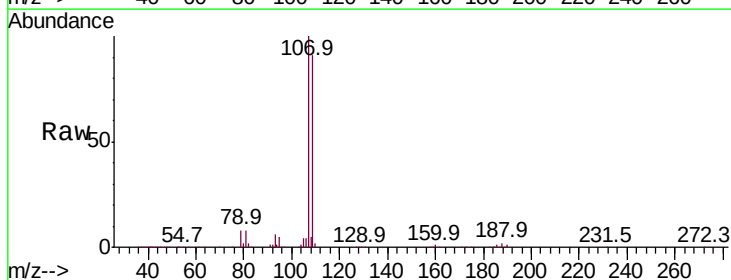
Acq: 29 Nov 2021 10:07

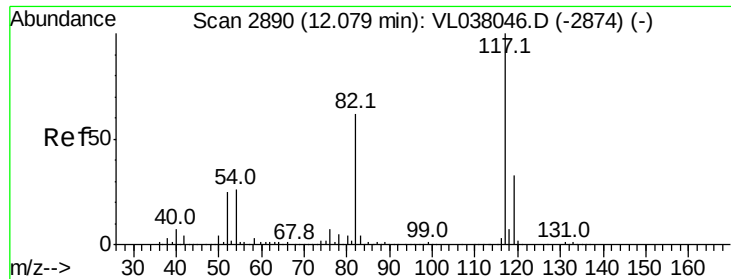
Tgt Ion: 107 Resp: 1618251

Ion Ratio Lower Upper

107 100

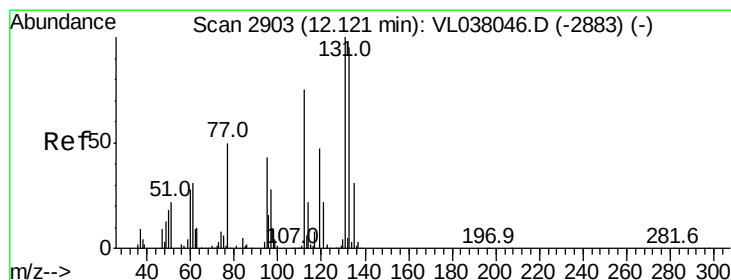
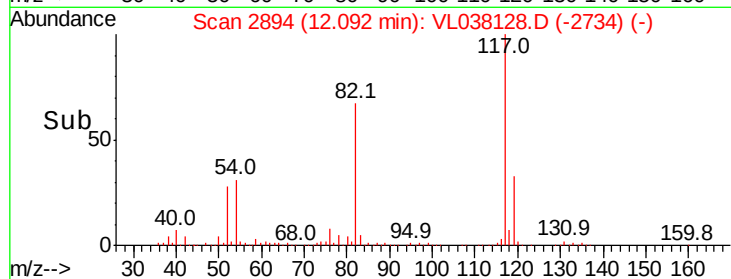
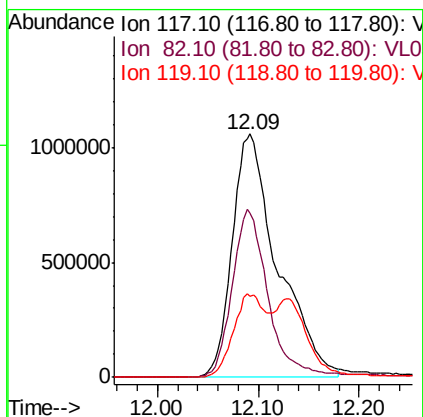
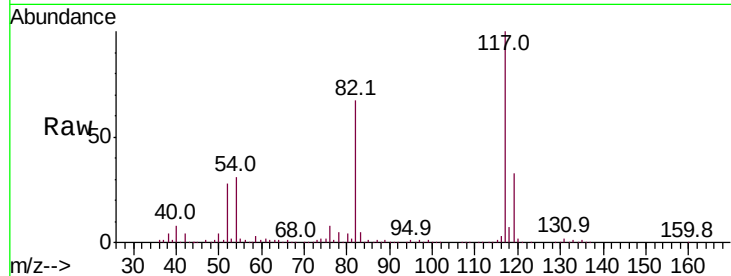
109 91.2 74.6 111.8





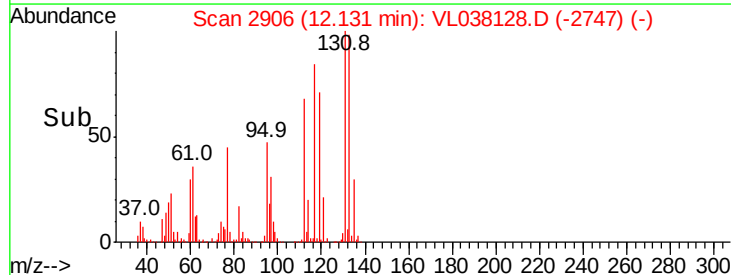
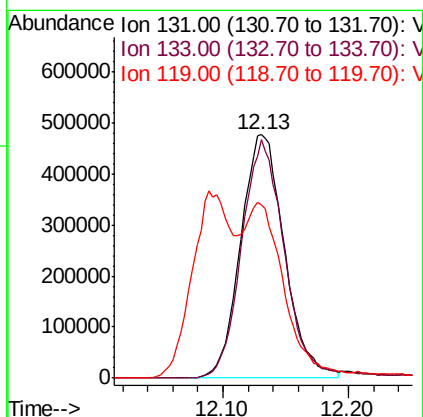
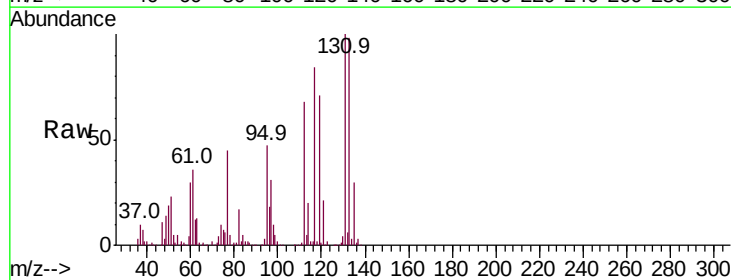
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 29 Nov 2021 10:07

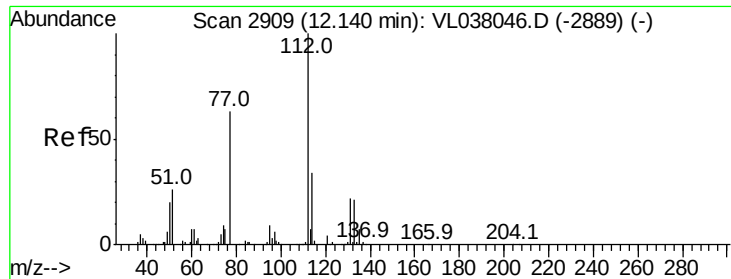
Tot Ion:117 Resp: 3317075
 Ion Ratio Lower Upper
 117 100
 82 56.2 52.8 79.2
 119 24.6 26.8 40.2#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.690 ppbv
 RT: 12.13 min Scan# 2906
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

Tgt Ion:131 Resp: 1157912
 Ion Ratio Lower Upper
 131 100
 133 99.2 78.8 118.2
 119 66.9 56.3 84.5

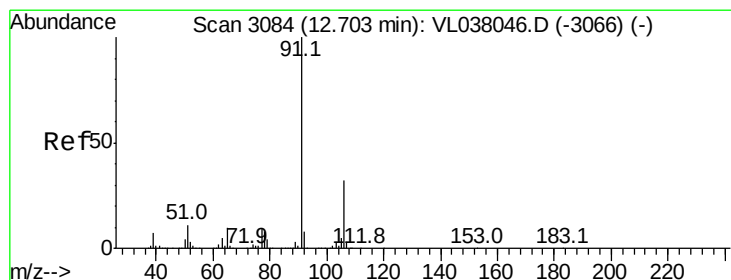
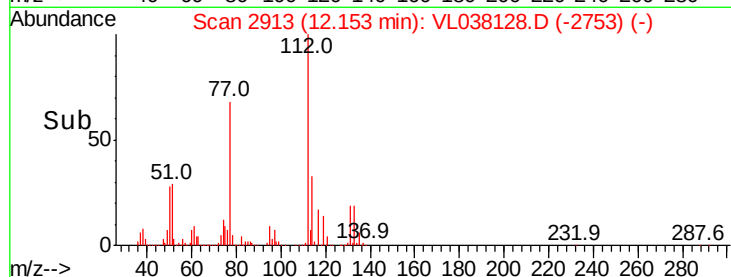
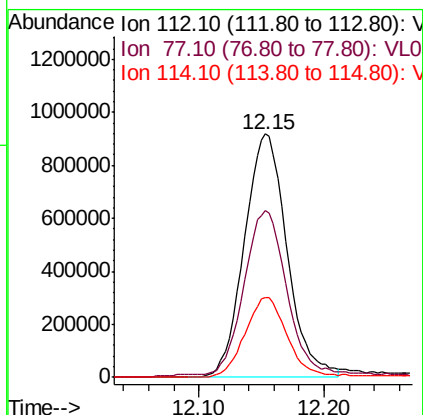
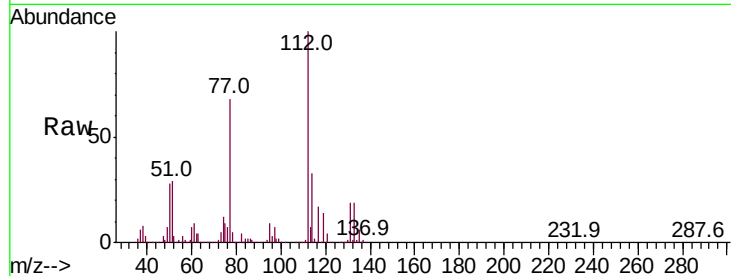




#57
Chlorobenzene
Concen: 7.308 ppbv
RT: 12.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Nov 2021 10:07

Tot Ion: 112 Resp: 2172649

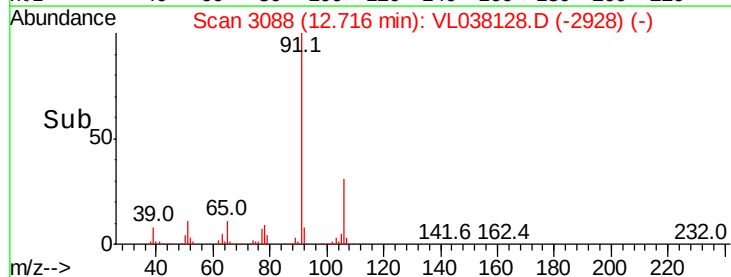
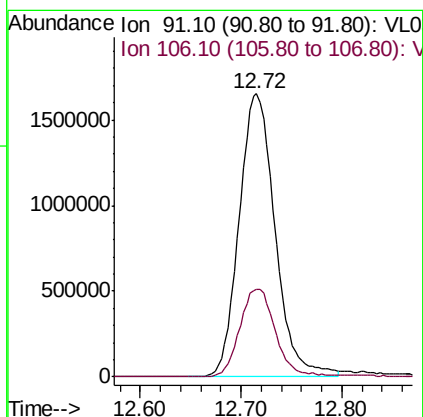
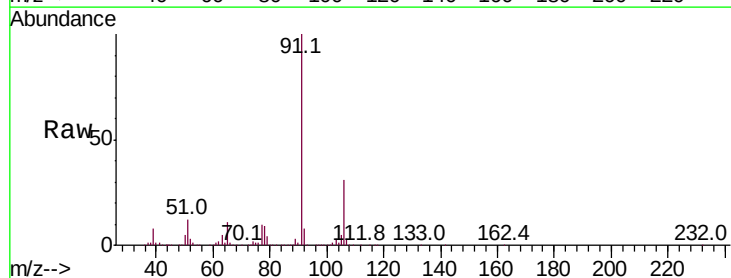
Ion	Ratio	Lower	Upper
112	100		
77	67.1	50.3	75.5
114	32.8	30.7	37.5

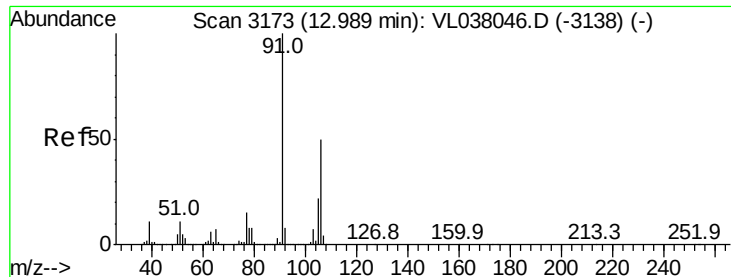


#58
Ethyl Benzene
Concen: 7.455 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tgt Ion: 91 Resp: 4087324

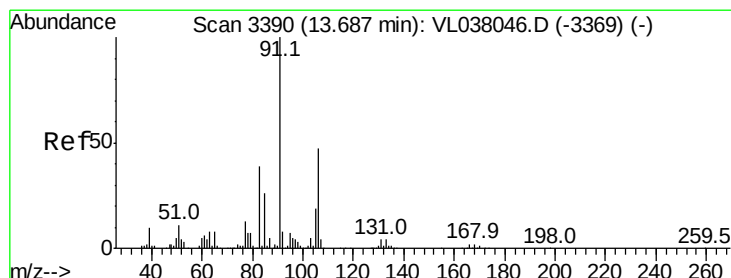
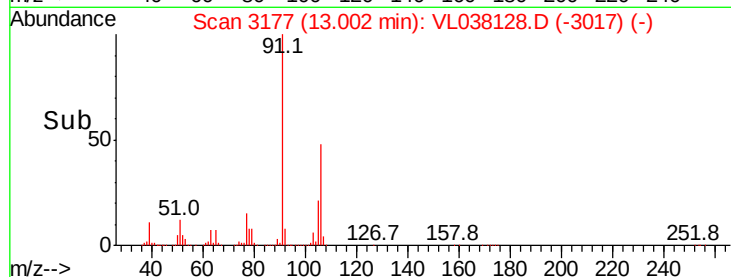
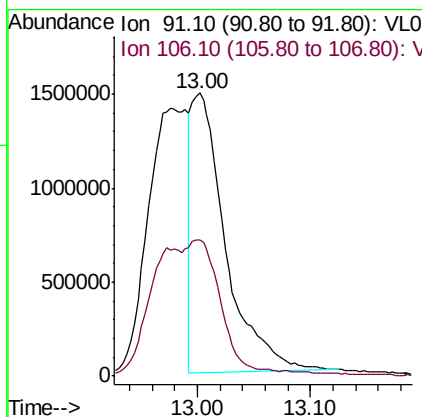
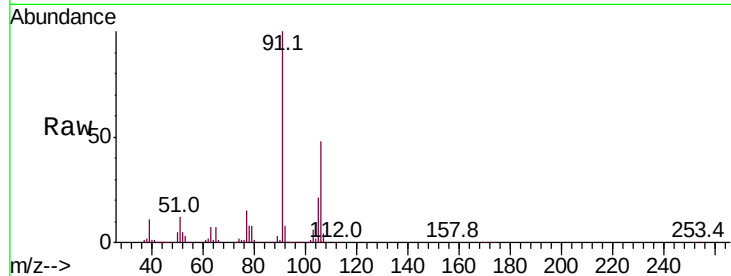
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.8	38.6





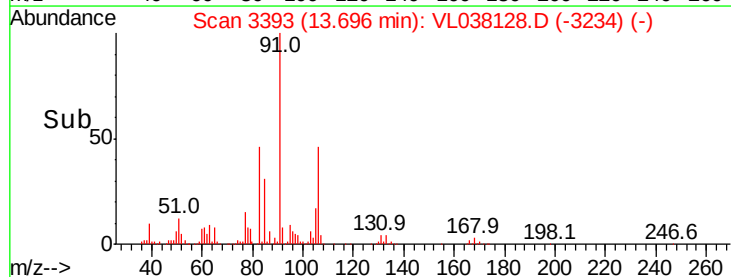
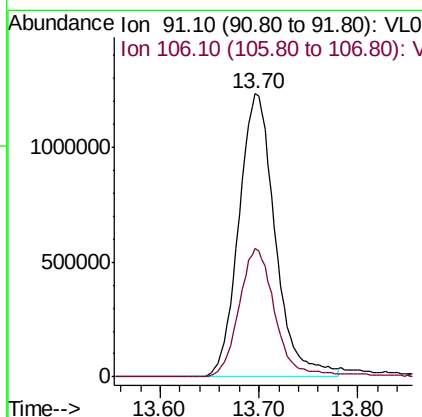
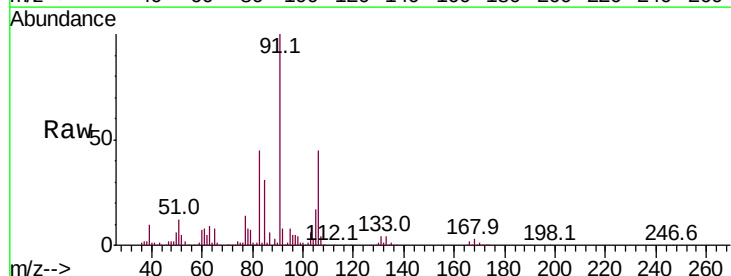
#59
m/p-Xylene
Concen: 6.672 ppbv
RT: 13.00
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 29 Nov 2021 10:07

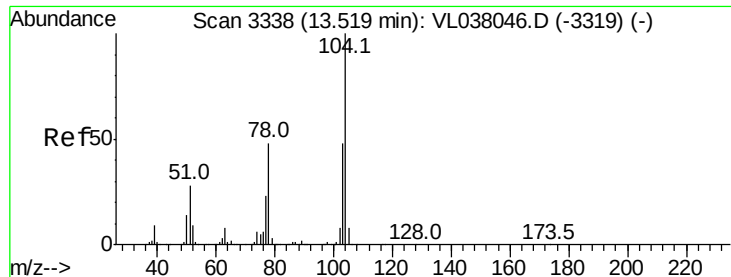
Tot Ion: 91 Resp: 3079414
Ion Ratio Lower Upper
91 100
106 99.8 38.1 57.1#



#60
o-Xylene
Concen: 7.336 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tgt Ion: 91 Resp: 3140815
Ion Ratio Lower Upper
91 100
106 46.1 24.2 72.6

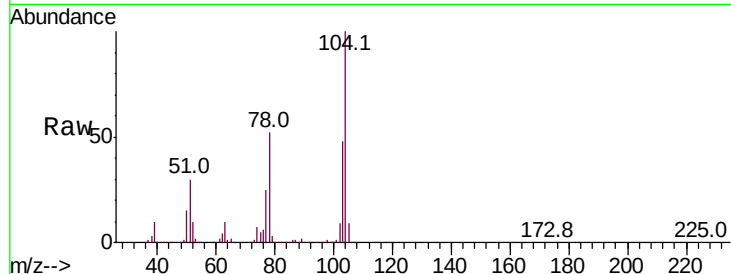




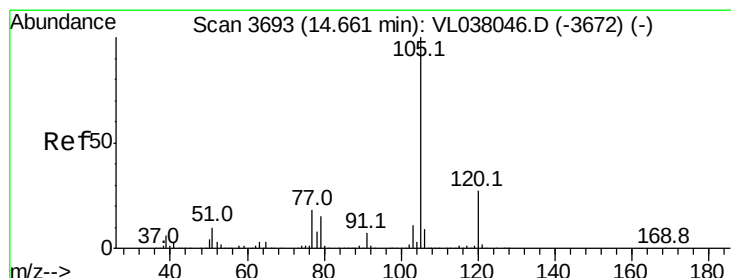
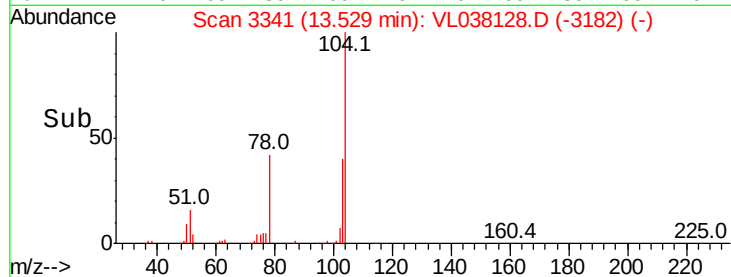
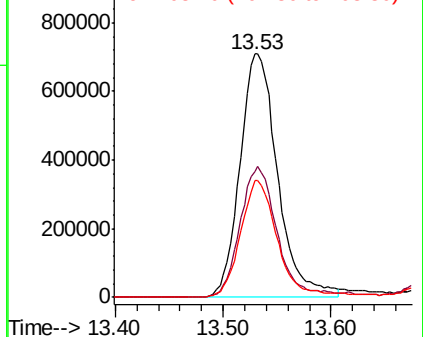
#61
Stvrene
Concen: 7.523 ppbv
RT: 13.53 min
Delta R.T. 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

Tot Ion:104 Resp: 1726793

Ion	Ratio	Lower	Upper
104	100		
78	53.8	39.8	59.6
103	48.1	38.2	57.2



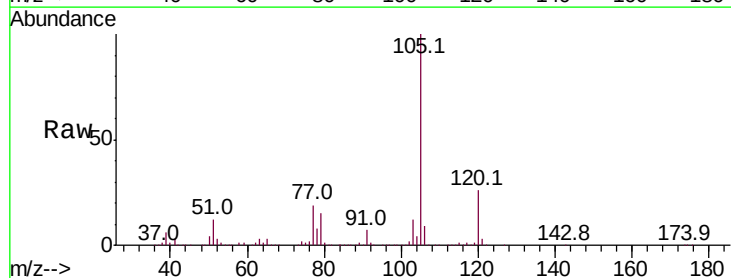
Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V



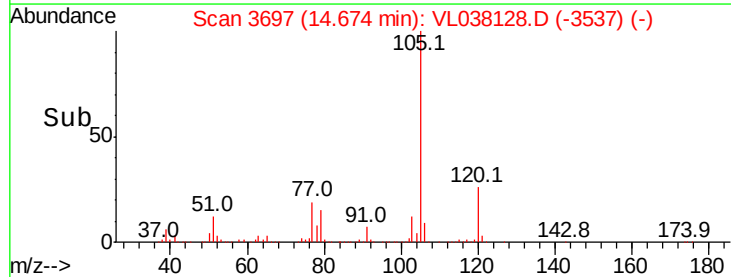
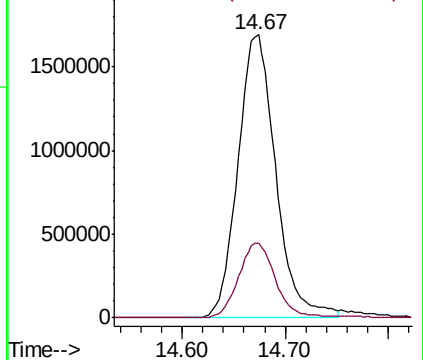
#62
Isopropylbenzene
Concen: 7.097 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL038128.D
Acq: 29 Nov 2021 10:07

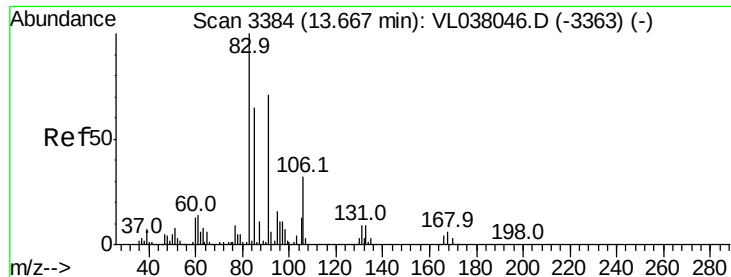
Tgt Ion:105 Resp: 4313266

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.8	32.6



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: 6.989 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07

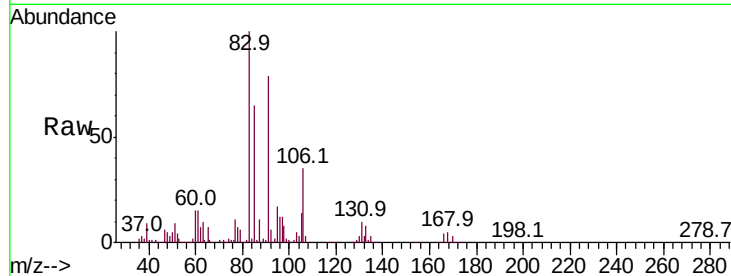
Tot Ion: 83 Resp: 2222516

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

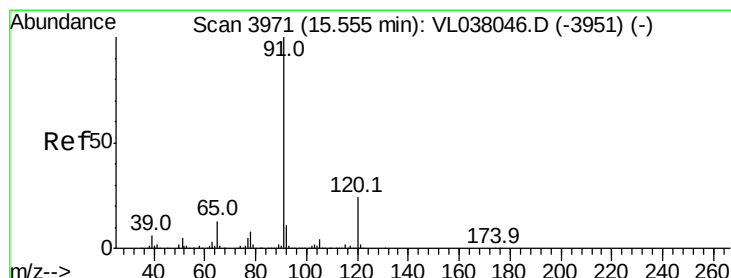
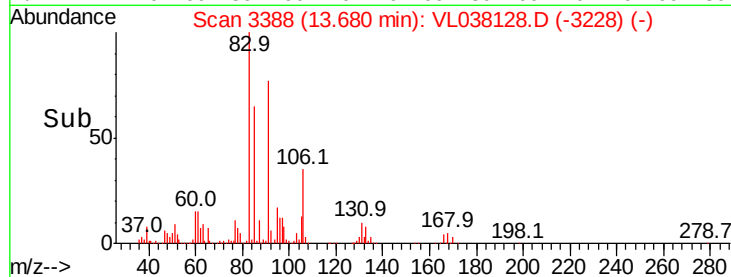
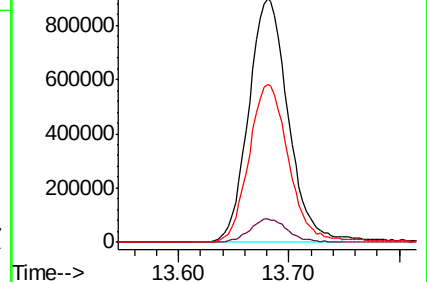
85 66.7 33.4 100.1



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: 7.235 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL038128.D

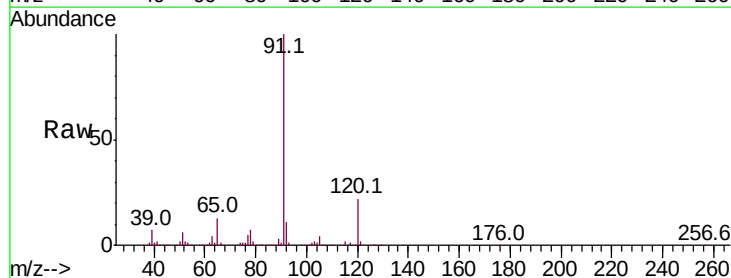
Acq: 29 Nov 2021 10:07

Tgt Ion:120 Resp: 1120147

Ion Ratio Lower Upper

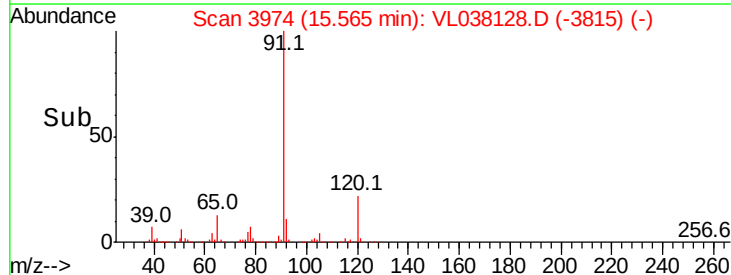
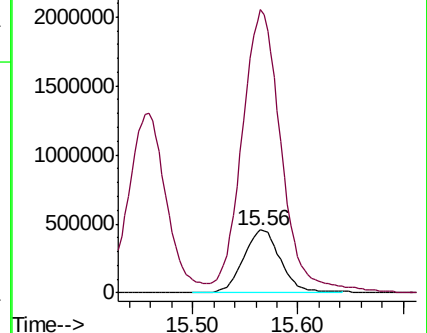
120 100

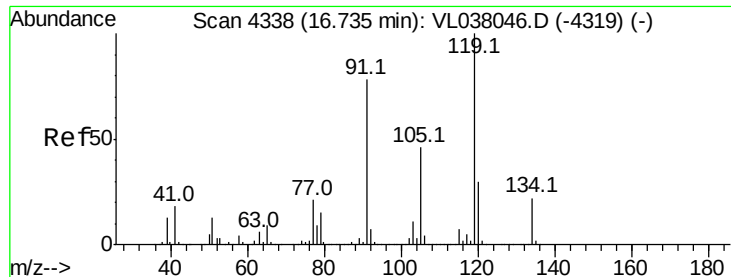
91 475.0 371.7 557.5



Abundance Ion 120.20 (119.90 to 120.90): V

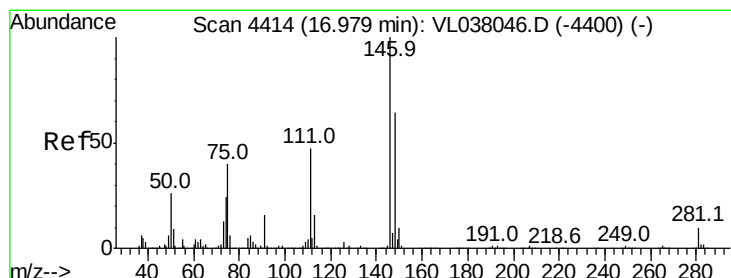
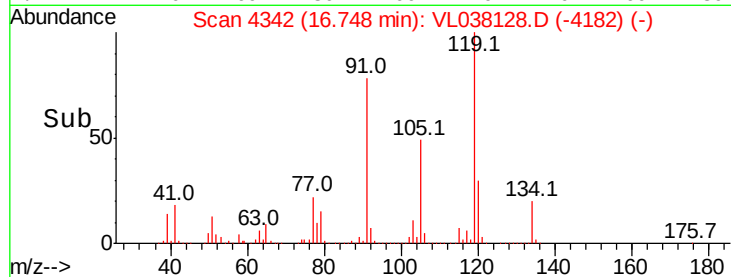
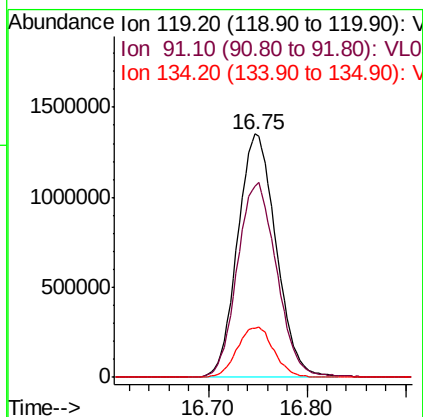
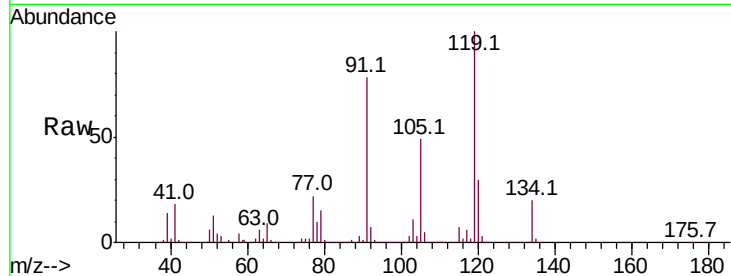
Ion 91.10 (90.80 to 91.80): VL0





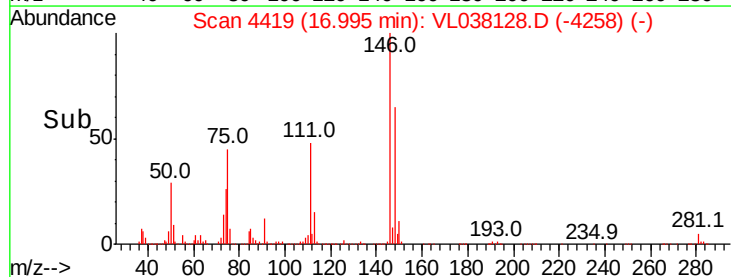
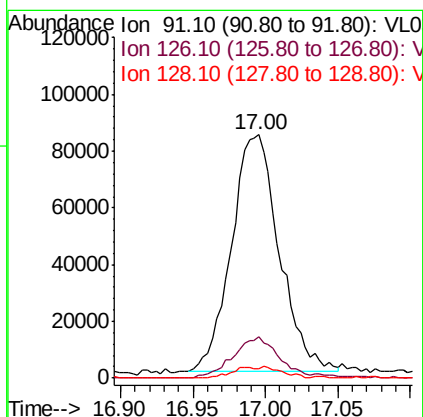
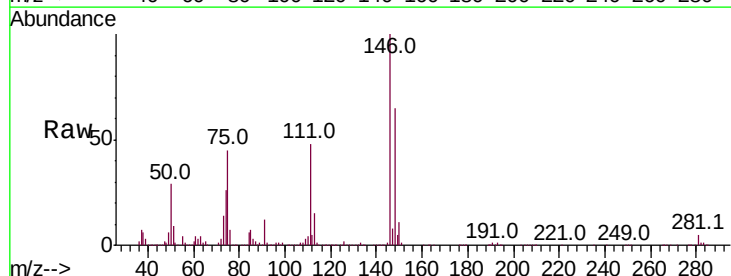
#65
 tert-Butylbenzene
 Concen: 6.827 ppbv
 RT: 16.75 min
 Delta R.T. 0.02 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

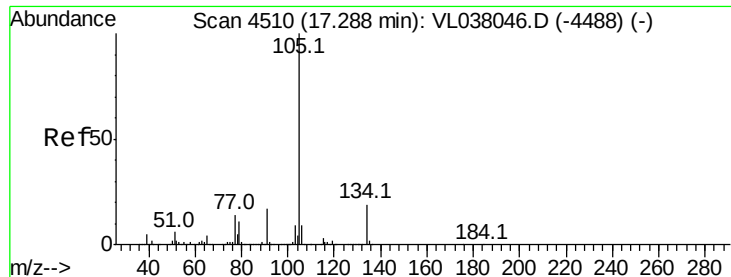
Tot Ion: 119 Resp: 3655356
 Ion Ratio Lower Upper
 119 100
 91 82.1 63.2 94.8
 134 19.9 16.1 24.1



#66
 Benzyl Chloride
 Concen: 7.032 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.02 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

Tgt Ion: 91 Resp: 190822
 Ion Ratio Lower Upper
 91 100
 126 17.7 15.5 23.3
 128 5.3 5.6 8.4#





#67

sec-Butylbenzene

Concen: 6.870 ppbv

RT: 17.29

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

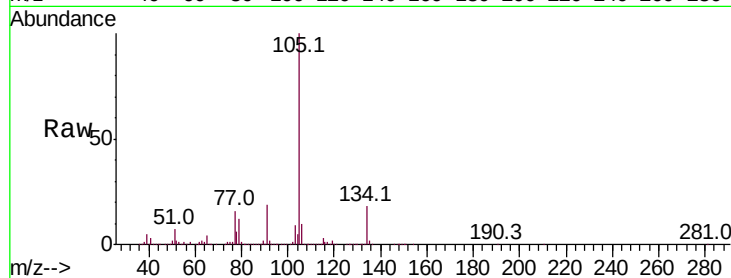
Acq: 29 Nov 2021 10:07

Tot Ion: 105 Resp: 5125638

Ion Ratio Lower Upper

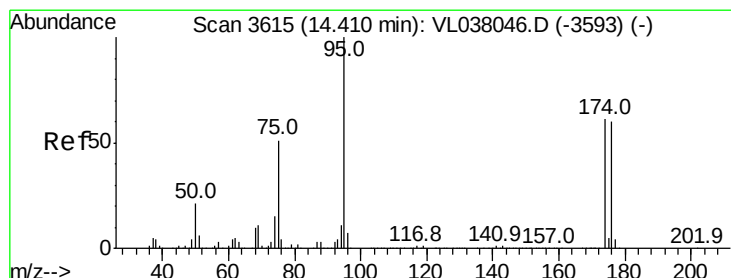
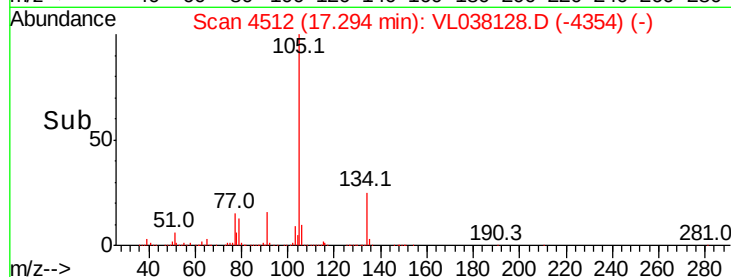
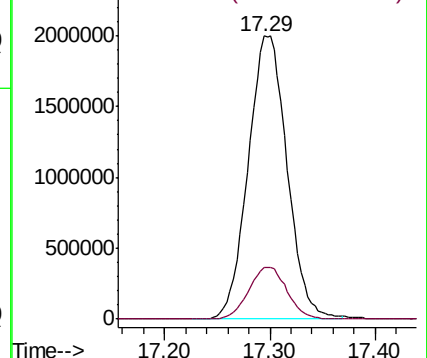
105 100

134 18.1 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.694 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

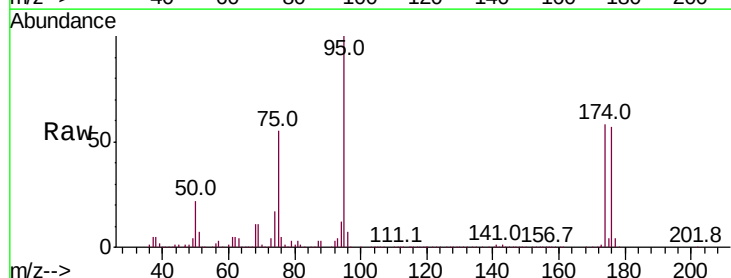
Tgt Ion: 95 Resp: 2080096

Ion Ratio Lower Upper

95 100

174 63.7 53.1 79.7

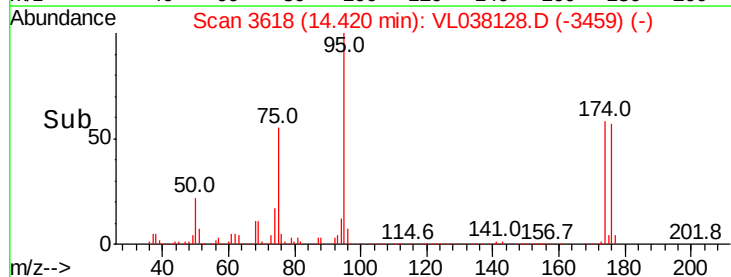
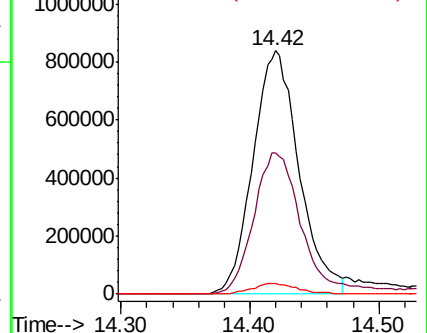
175 4.8 4.0 6.0

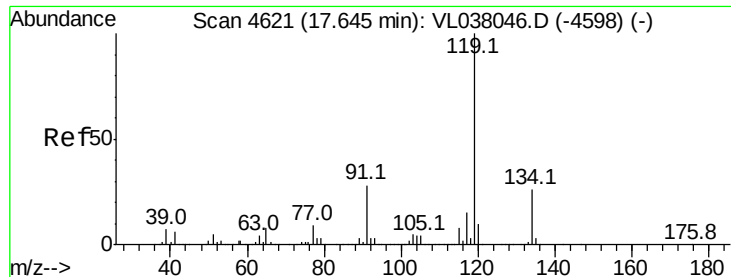


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.066 ppbv

RT: 17.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07

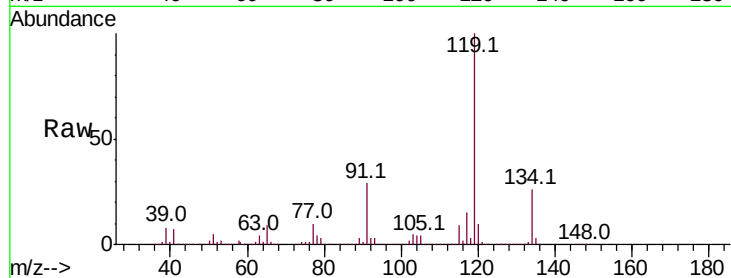
Tot Ion:119 Resp: 4123920

Ion Ratio Lower Upper

119 100

134 25.6 20.6 30.8

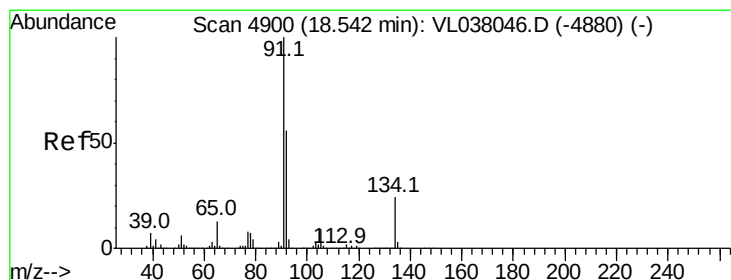
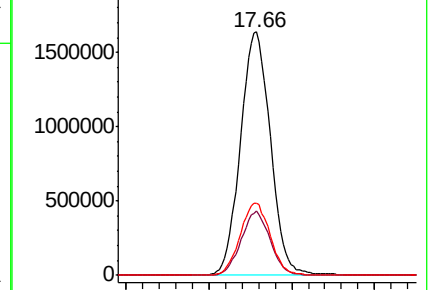
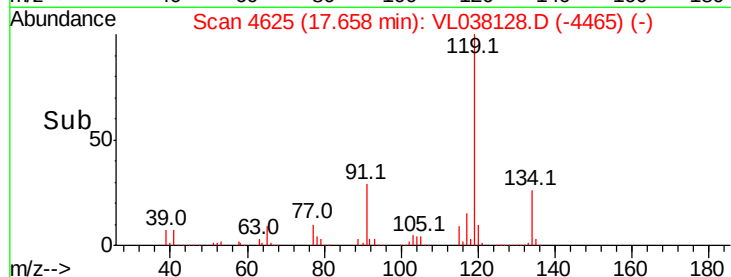
91 29.6 22.2 33.4



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: 7.321 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

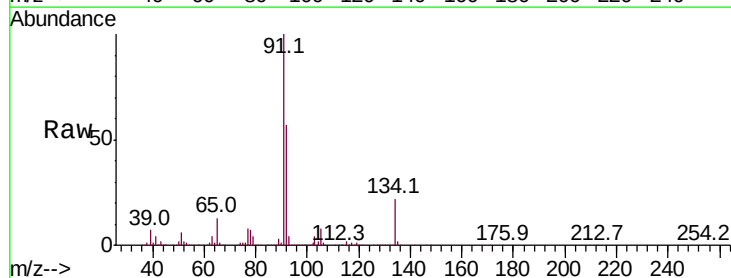
Tgt Ion: 91 Resp: 4084952

Ion Ratio Lower Upper

91 100

92 54.8 44.1 66.1

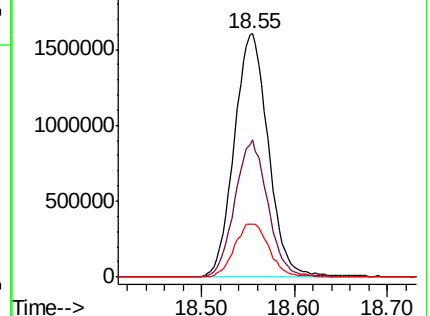
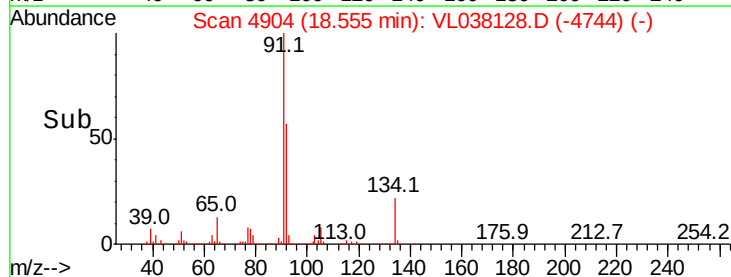
134 22.3 18.9 28.3

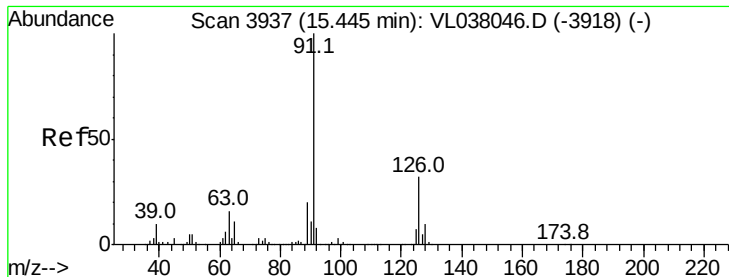


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.246 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

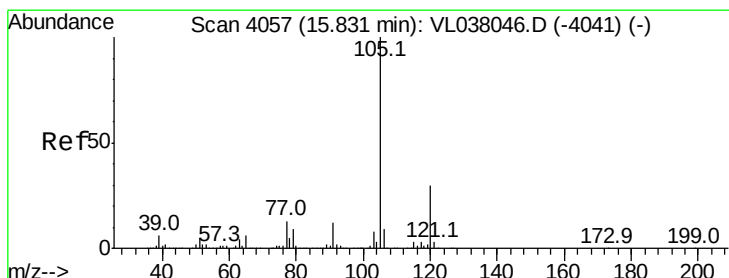
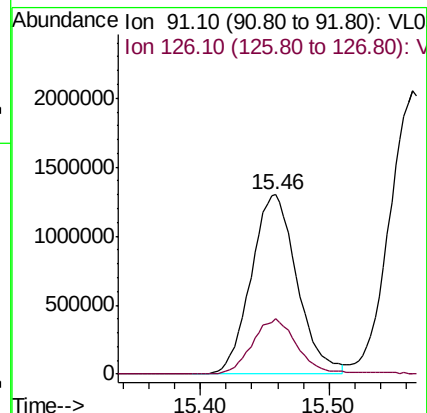
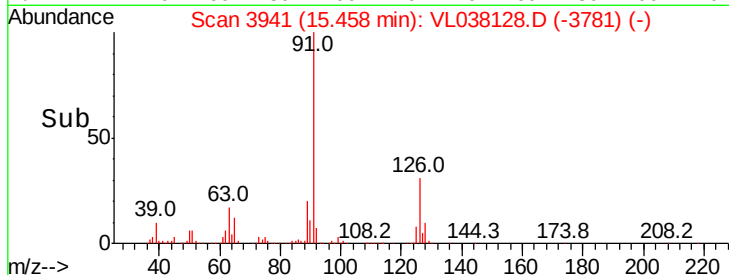
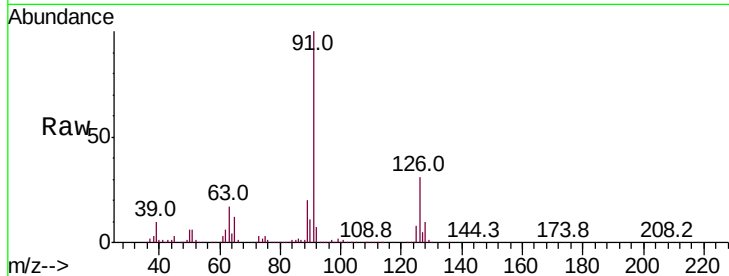
Acq: 29 Nov 2021 10:07

Tot Ion: 91 Resp: 3219470

Ion Ratio Lower Upper

91 100

126 31.4 13.1 52.3



#72

4-Ethyltoluene

Concen: 7.443 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.01 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

Tgt Ion: 105 Resp: 3694640

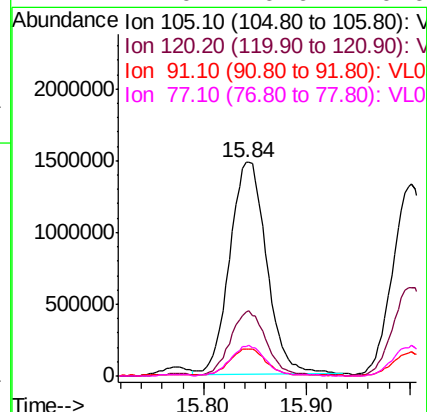
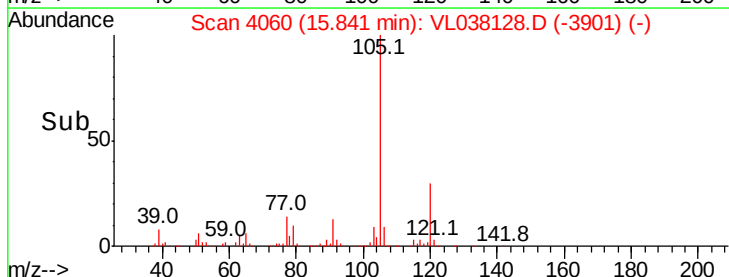
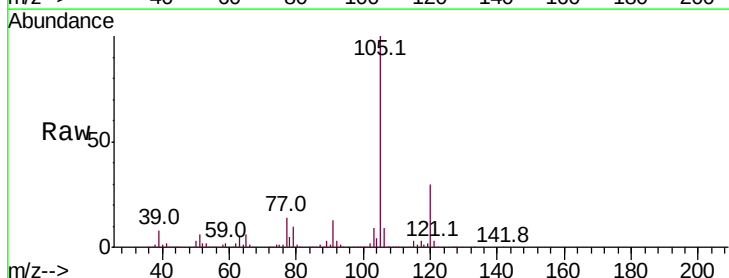
Ion Ratio Lower Upper

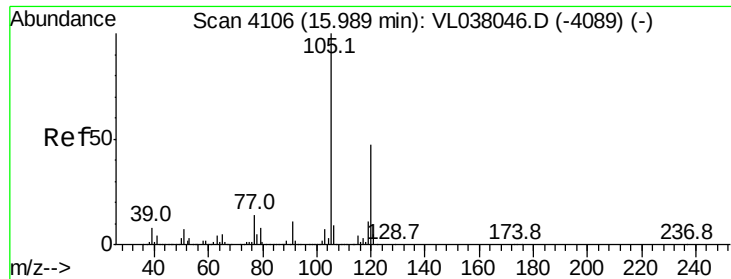
105 100

120 30.1 25.1 37.7

91 12.5 9.7 14.5

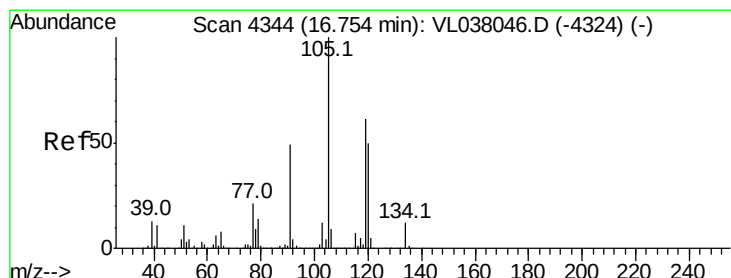
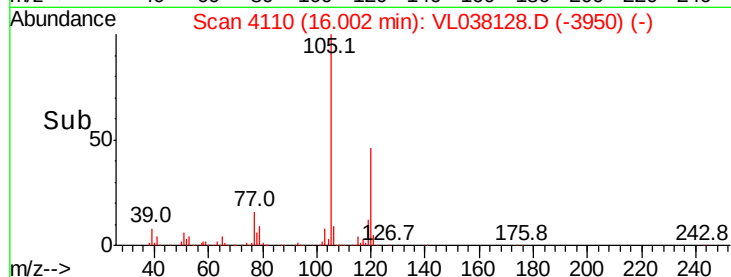
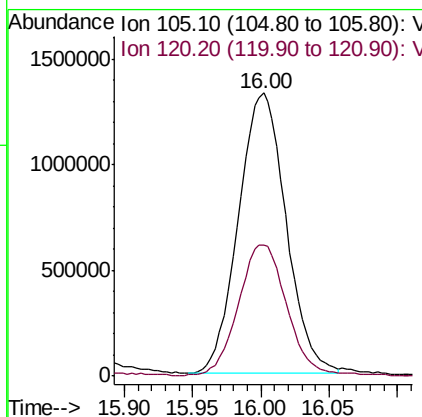
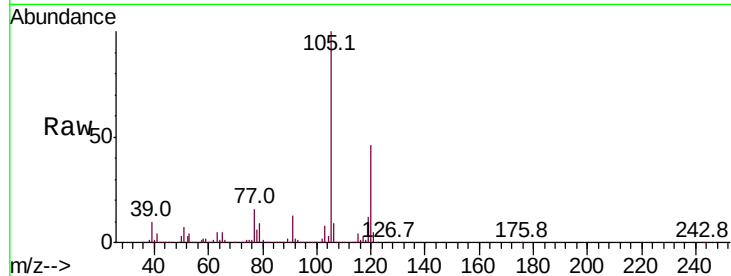
77 14.0 10.6 16.0





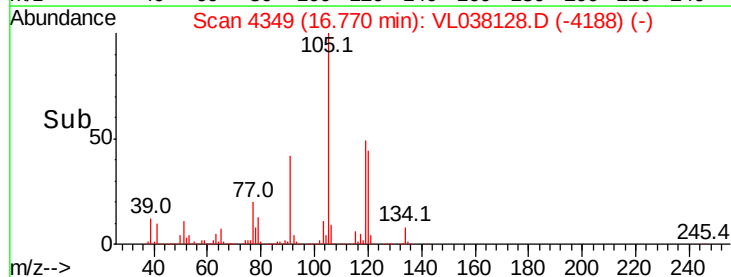
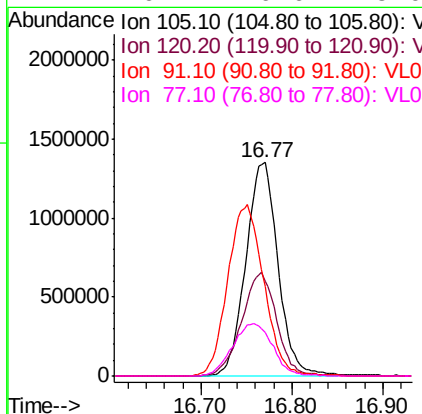
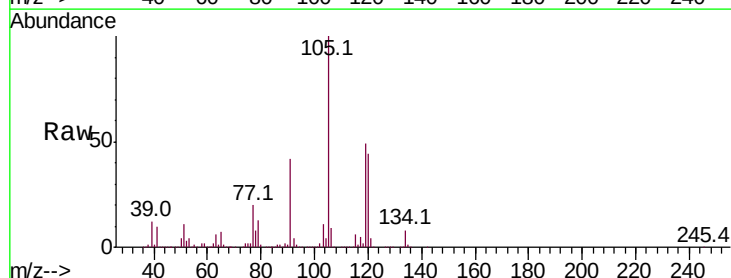
#73
 1,3,5-Trimethylbenzene
 Concen: 7.099 ppbv
 RT: 16.00
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 29 Nov 2021 10:07

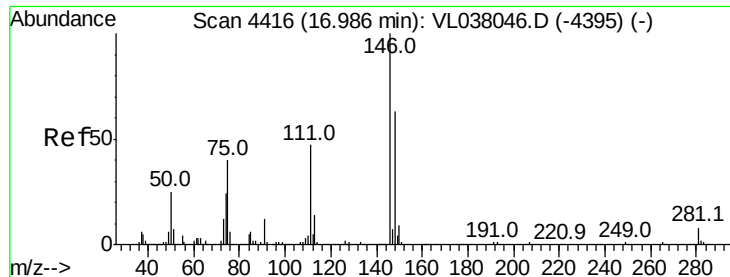
Tot Ion:105 Resp: 3218321
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.105 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.02 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

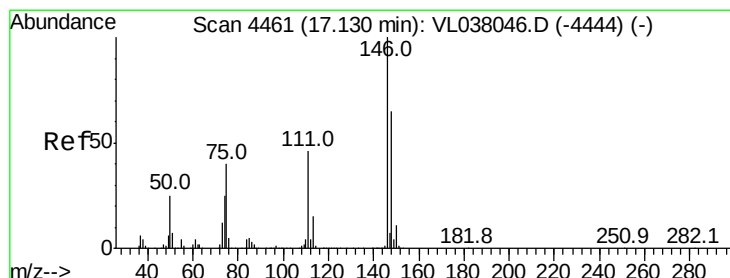
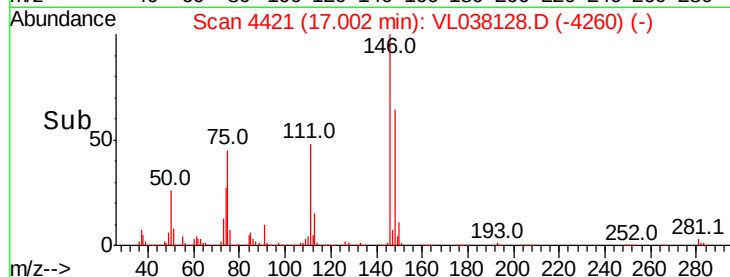
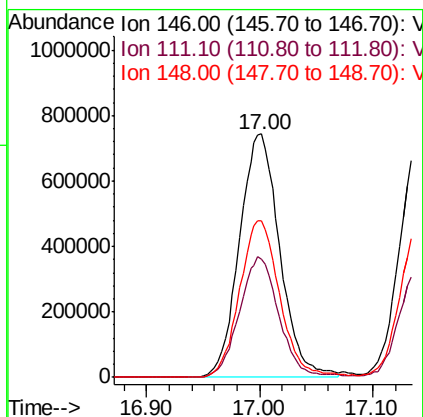
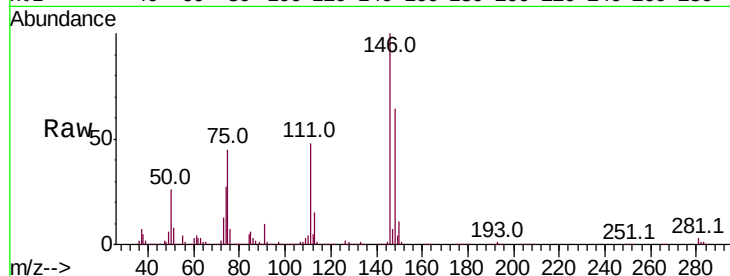
Tgt Ion:105 Resp: 3319509
 Ion Ratio Lower Upper
 105 100
 120 44.3 40.1 60.1
 91 41.8 39.8 59.8
 77 20.4 16.6 25.0





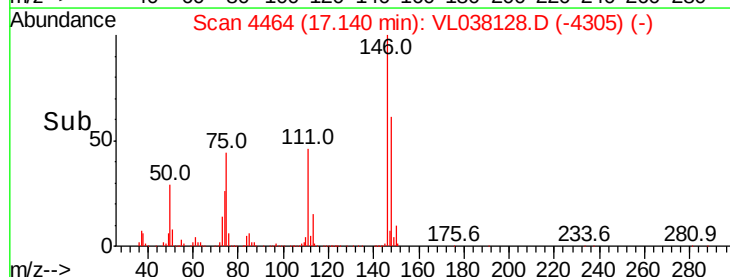
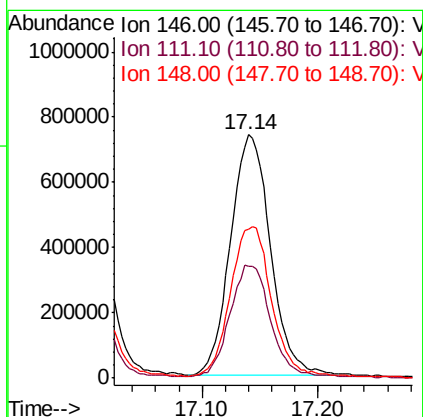
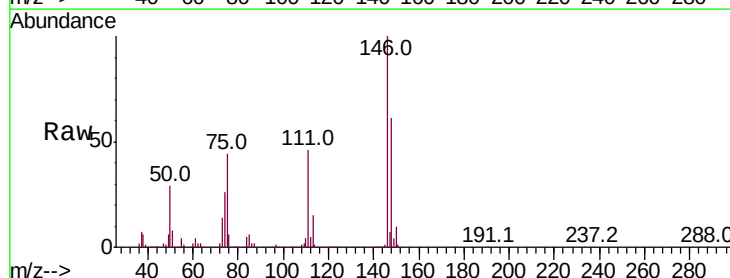
#75
 1,3-Dichlorobenzene
 Concen: 7.169 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 29 Nov 2021 10:07

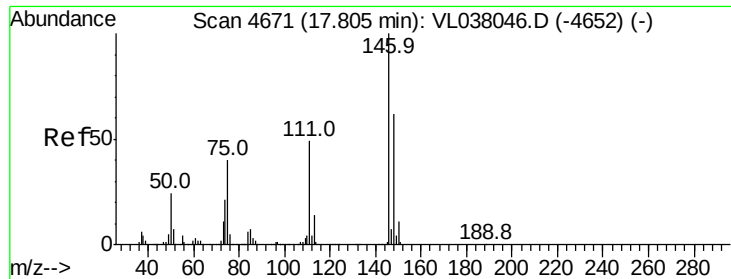
Tot Ion:146 Resp: 1839650
 Ion Ratio Lower Upper
 146 100
 111 48.8 23.5 70.6
 148 64.1 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 6.849 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

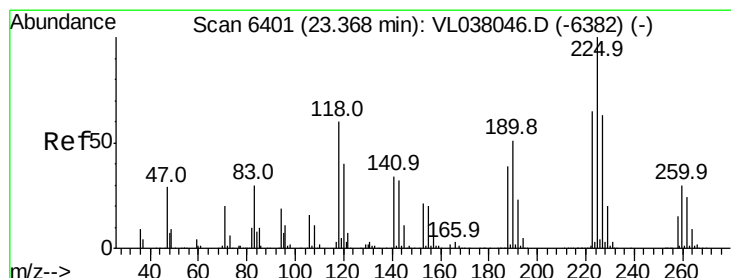
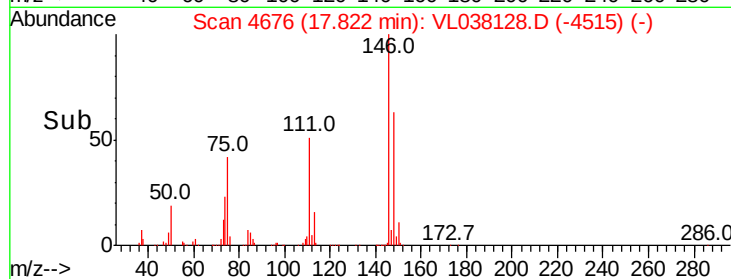
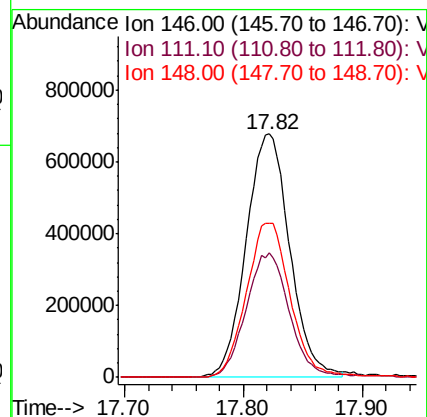
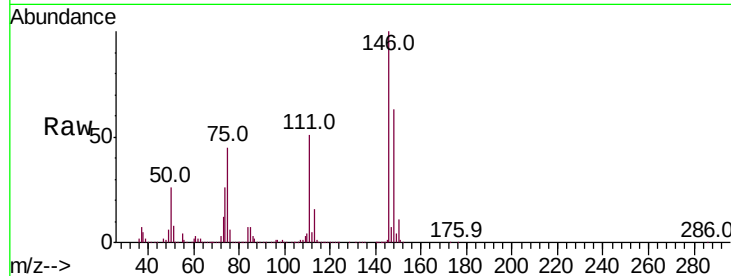
Tgt Ion:146 Resp: 1768628
 Ion Ratio Lower Upper
 146 100
 111 49.0 23.8 71.5
 148 66.4 33.2 99.6





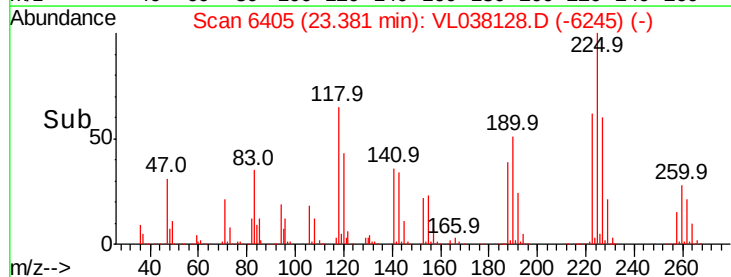
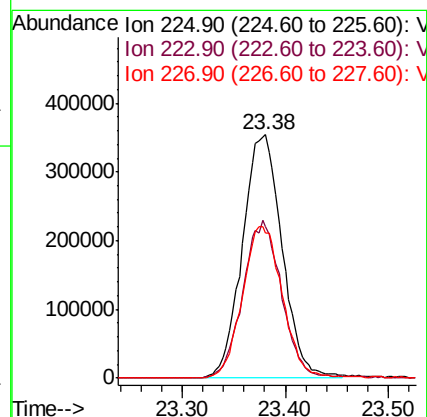
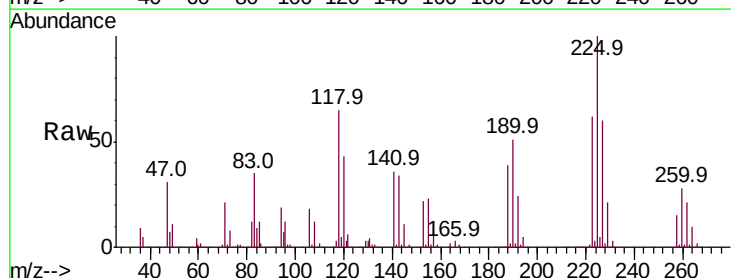
#77
 1,2-Dichlorobenzene
 Concen: 6.884 ppbv
 RT: 17.82 min
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

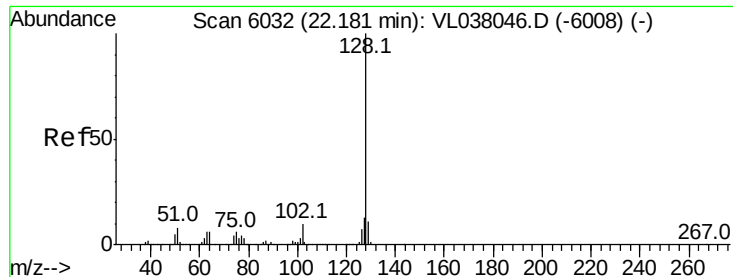
Tot Ion:146 Resp: 1710460
 Ion Ratio Lower Upper
 146 100
 111 51.4 24.8 74.4
 148 64.5 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.107 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.01 min
 Lab File: VL038128.D
 Acq: 29 Nov 2021 10:07

Tgt Ion:225 Resp: 947444
 Ion Ratio Lower Upper
 225 100
 223 64.2 52.3 78.5
 227 63.3 52.4 78.6





#79

Naphthalene

Concen: 7.181 ppbv

RT: 22.20

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:07

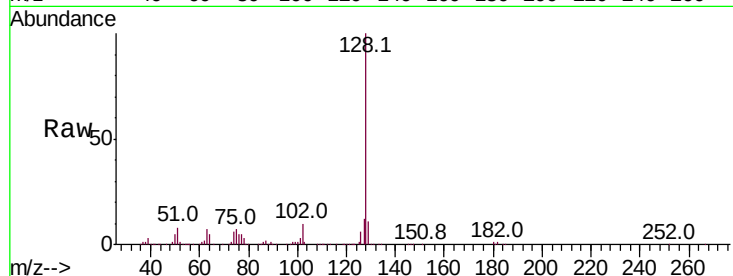
Tot Ion:128 Resp: 1766787

Ion Ratio Lower Upper

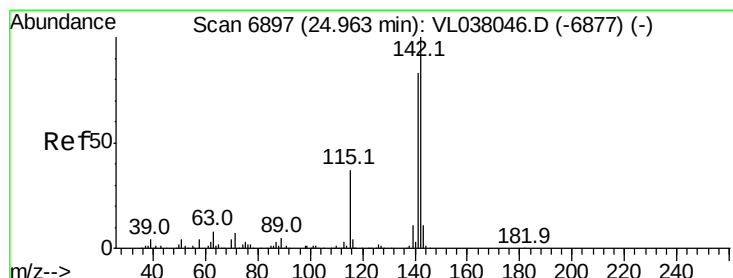
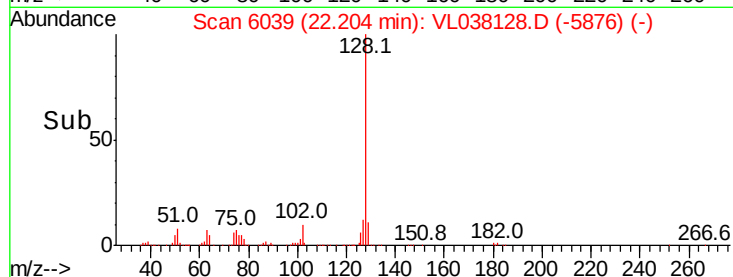
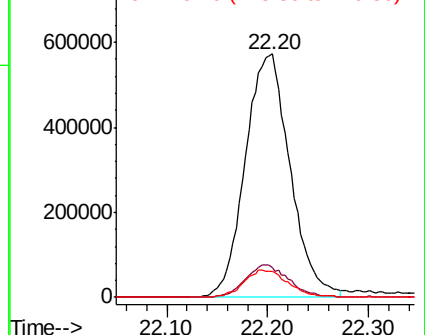
128 100

127 12.5 10.4 15.6

129 10.7 8.9 13.3



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



#80

Naphthalene, 2-methyl-

Concen: 7.253 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.02 min

Lab File: VL038128.D

Acq: 29 Nov 2021 10:07

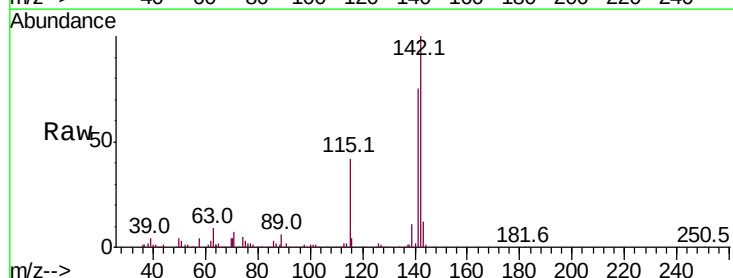
Tgt Ion:142 Resp: 382429

Ion Ratio Lower Upper

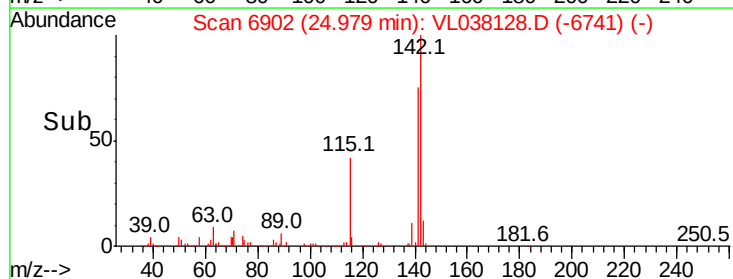
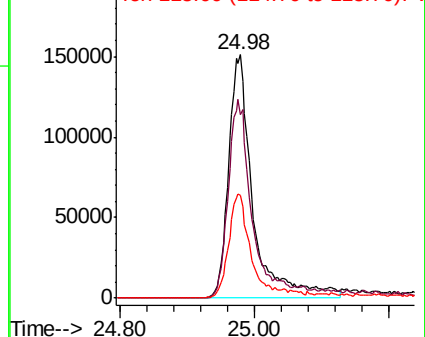
142 100

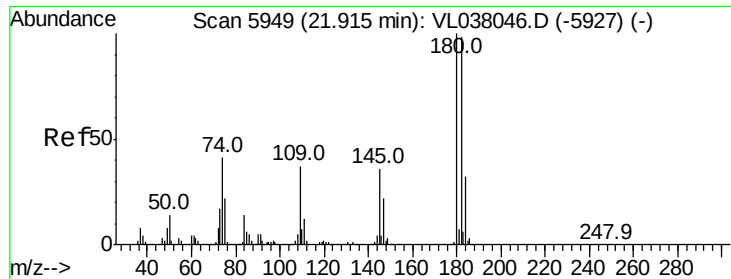
141 87.9 67.3 100.9

115 38.9 28.9 43.3



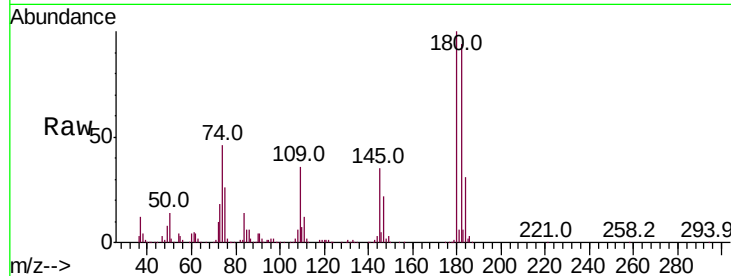
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.928 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 29 Nov 2021 10:07

Tot Ion:	180	Resp:	979438
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.4	116.2
184	31.2	25.0	37.4



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

