Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039087.D
Acq On : 23 May 2022 16:23
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: May 24 05:57:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1075560	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2520782	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2202932	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1901026	10.90	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	87662	0.520	ppbv	94
3) Chlorodifluoromethane	2.99	51	58878	0.441	ppbv	99
4) Chloromethane	3.14	50	18426	0.276	ppbv	93
5) Vinyl Chloride	3.25	62	27115	0.444	ppbv	93
6) Bromomethane	3.47	94	13827	0.480	ppbv	91
7) Chloroethane	3.55	64	9816	0.481	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	64903	0.425	ppbv	97
9) Propene	3.01	41	24508	0.420	ppbv	99
10) Heptane	8.10	43	46477	0.325	ppbv	94
11) Trichlorofluoromethane	3.94	101	37564	0.260	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	45760	0.459	ppbv	97
13) Ethanol	3.61	45	1084	0.263	ppbv #	1
14) Bromoethene	3.73	108	16699	0.407	ppbv	83
15) Acetone	3.86	43	53026	0.523	ppbv #	84
16) 1,3-Butadiene	3.32	39	10320	0.177	ppbv #	9
18) 1,1-Dichloroethene	4.28	96	17717	0.413	ppbv	92
20) Methylene Chloride	4.34	84	8694	0.227	ppbv #	16
21) Allyl Chloride	4.40	41	27197	0.393	ppbv #	80
22) trans-1,2-Dichloroethene	4.88	96	18764	0.405	ppbv #	77
23) Vinyl Acetate	5.07	43	38555	0.480	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	39228	0.424	ppbv	99
25) Ethyl Acetate	5.68	43	63360	0.261	ppbv #	85
26) Hexane	5.67	57	40564	0.376	ppbv	95
27) Carbon Disulfide	4.54	76	21243	0.207	ppbv #	61
28) Methyl tert-Butyl Ether	5.03	73	24675	0.301	ppbv #	55
29) Chloroform	5.74	83	37636	0.216	ppbv	100
30) Cyclohexane	7.12	84	28835	0.319	ppbv	86
31) cis-1,2-Dichloroethene	5.54	61	34151	0.311	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	68122	0.390	ppbv	95
34) 2-Butanone	5.25	43	38676	0.301	ppbv #	80
35) Carbon Tetrachloride	7.00	117	63375	0.382	ppbv	88
36) Benzene	6.87	78	65710	0.305	ppbv	96
37) 1,2-Dichloroethane	6.29	62	56296	0.422	ppbv	100
38) Trichloroethene	7.82	130	33311	0.347	ppbv	91
39) 1,2-Dichloropropane	7.60	63	20805	0.248	ppbv	88
41) Tetrahydrofuran	6.05	42	11067	0.128	ppbv #	1
42) Bromodichloromethane	7.78	83	29200	0.160	ppbv	86
43) Methyl Methacrylate	7.99	69	4162	0.048	ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	63210	0.167	ppbv #	43
45) t-1,3-Dichloropropene	9.26	75	9932	0.117	ppbv	92
46) cis-1,3-Dichloropropene	8.68	75	22750	0.202	ppbv	88

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039087.D
Acq On : 23 May 2022 16:23
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Quant Time: May 24 05:57:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.45	97	9723	0.111 ppbv #	27
48) Dibromochloromethane	10.28	129	30560	0.215 ppbv #	49
49) Bromoform	13.02	173	29957	0.276 ppbv	93
50) 4-Methyl-2-Pentanone	8.74	43	53855	0.239 ppbv #	79
51) 2-Hexanone	10.12	43	9028	0.055 ppbv #	28
52) Tetrachloroethene	11.19	164	11766	0.153 ppbv #	73
53) Toluene	9.79	91	75783	0.313 ppbv	96
54) 1,2-Dibromoethane	10.59	107	39529	0.333 ppbv	85
56) 1,1,1,2-Tetrachloroethane	12.10	131	24136	0.250 ppbv #	9
57) Chlorobenzene	12.13	112	31448	0.190 ppbv	98
58) Ethyl Benzene	12.96	91	15027	0.047 ppbv	92
59) m/p-Xylene	12.97	91	10445	0.039 ppbv #	1
60) o-Xylene	13.67	91	91398	0.359 ppbv	95
61) Styrene	13.51	104	19482	0.143 ppbv #	1
62) Isopropylbenzene	14.65	105	136957	0.368 ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	28168	0.188 ppbv #	19
64) n-propylbenzene	15.54	120	8533	0.095 ppbv #	1
65) tert-Butylbenzene	16.72	119	119180	0.365 ppbv	90
66) Benzyl Chloride	16.97	91	3673	0.086 ppbv #	69
67) sec-Butylbenzene	17.27	105	159578	0.342 ppbv	98
69) p-Isopropyltoluene	17.63	119	65550	0.174 ppbv #	48
70) n-Butylbenzene	18.53	91	132224	0.330 ppbv	98
71) 2-Chlorotoluene	15.43	91	100439	0.350 ppbv	99
72) 4-Ethyltoluene	15.82	105	93999	0.324 ppbv #	91
73) 1,3,5-Trimethylbenzene	15.97	105	33494	0.128 ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	97448	0.341 ppbv #	87
75) 1,3-Dichlorobenzene	16.96	146	18333	0.117 ppbv #	22
76) 1,4-Dichlorobenzene	17.11	146	24426	0.158 ppbv #	1
77) 1,2-Dichlorobenzene	17.79	146	31057	0.200 ppbv #	25
78) Hexachloro-1,3-Butadiene	23.35	225	28533	0.200 ppbv #	13
79) Naphthalene	22.17	128	30565	0.132 ppbv #	94
80) Naphthalene,2-methyl-	25.05	142	2904	0.041 ppbv	96
81) 1,2,4-Trichlorobenzene	21.89	180	22649	0.166 ppbv #	25

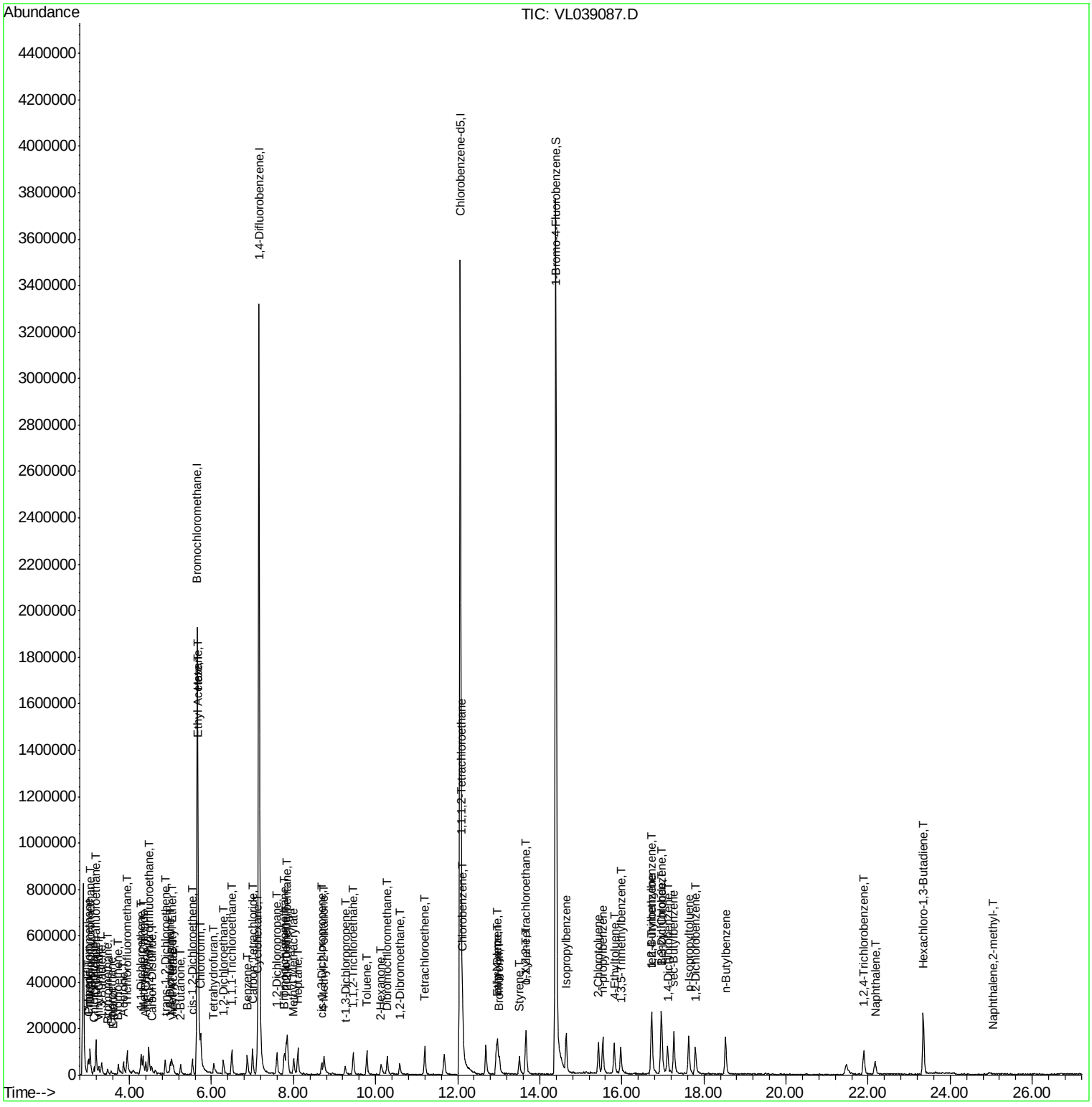
(#) = qualifier out of range (m) = manual integration (+) = signals summed

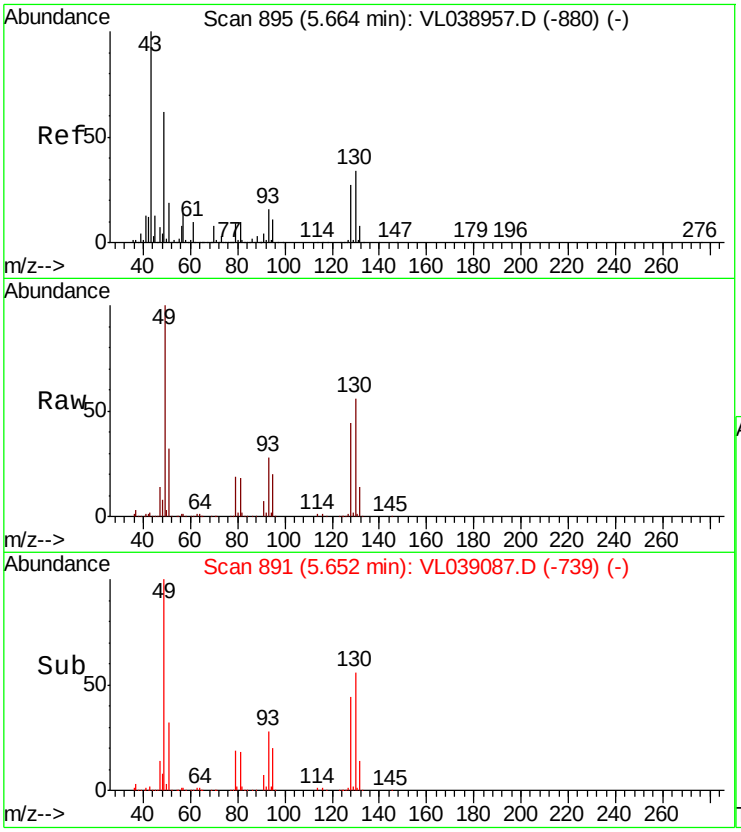
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039087.D
Acq On : 23 May 2022 16:23
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Quant Time: May 24 05:57:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



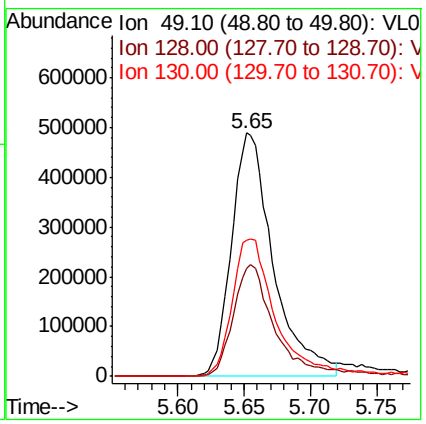


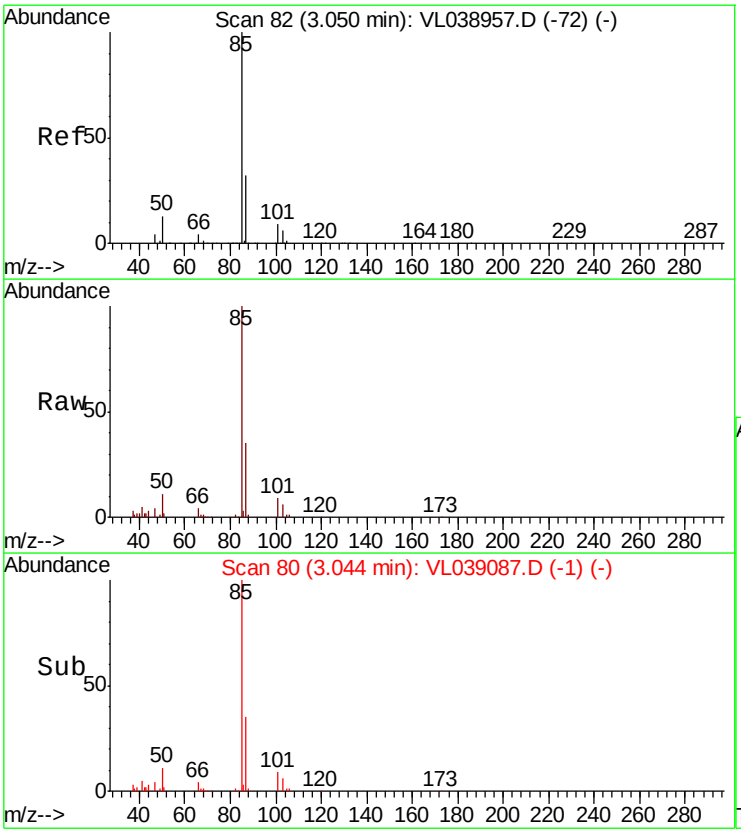
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 49 Resp: 1075560

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.3	69.8
130	61.0	29.8	89.3

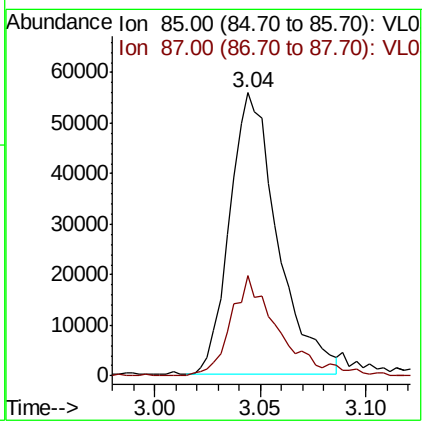


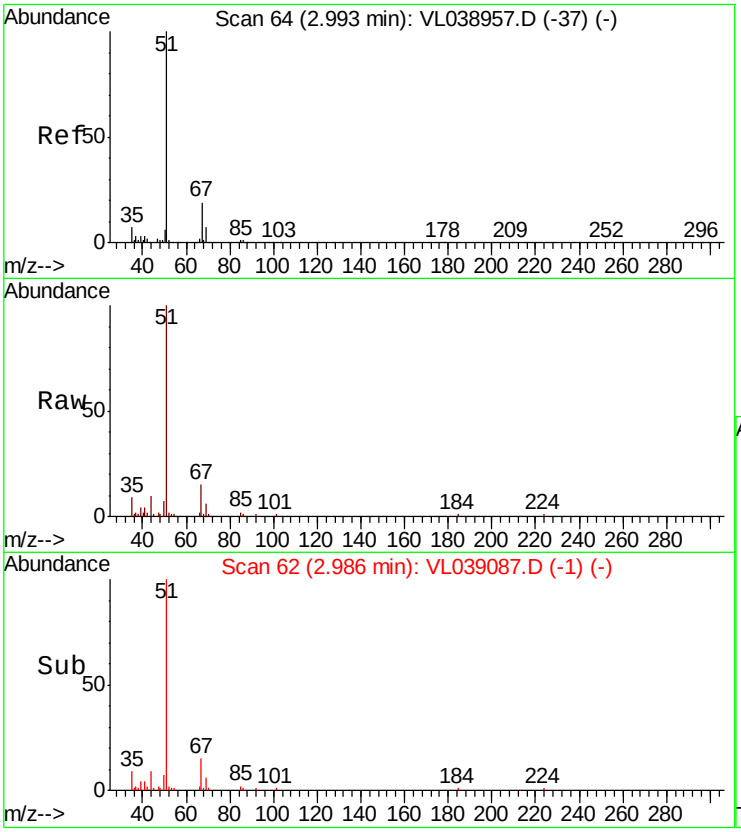


#2
Dichlorodifluoromethane
Concen: 0.520 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 85 Resp: 87662

Ion	Ratio	Lower	Upper
85	100		
87	35.6	25.7	38.5



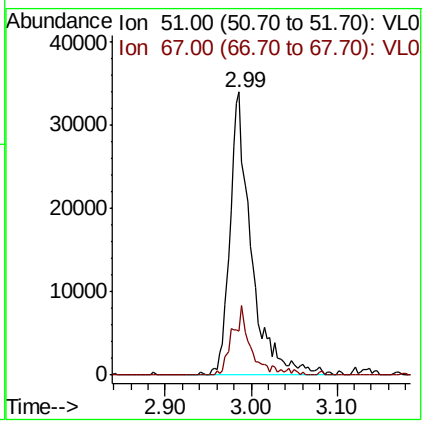


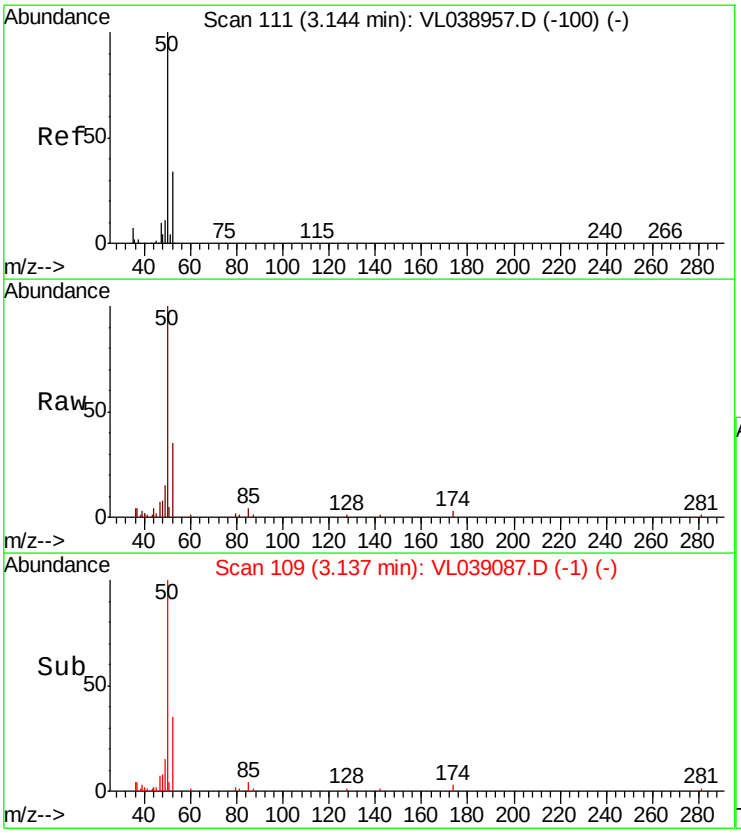
#3
Chlorodifluoromethane
Concen: 0.441 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 51 Resp: 58878

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.8	23.8

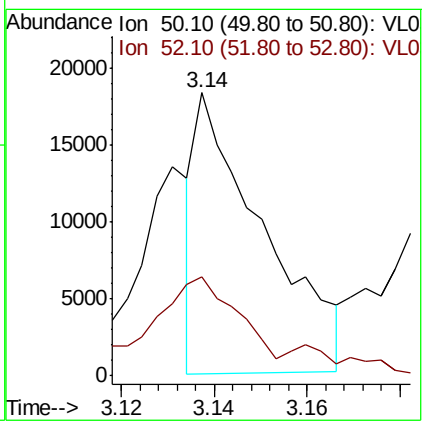


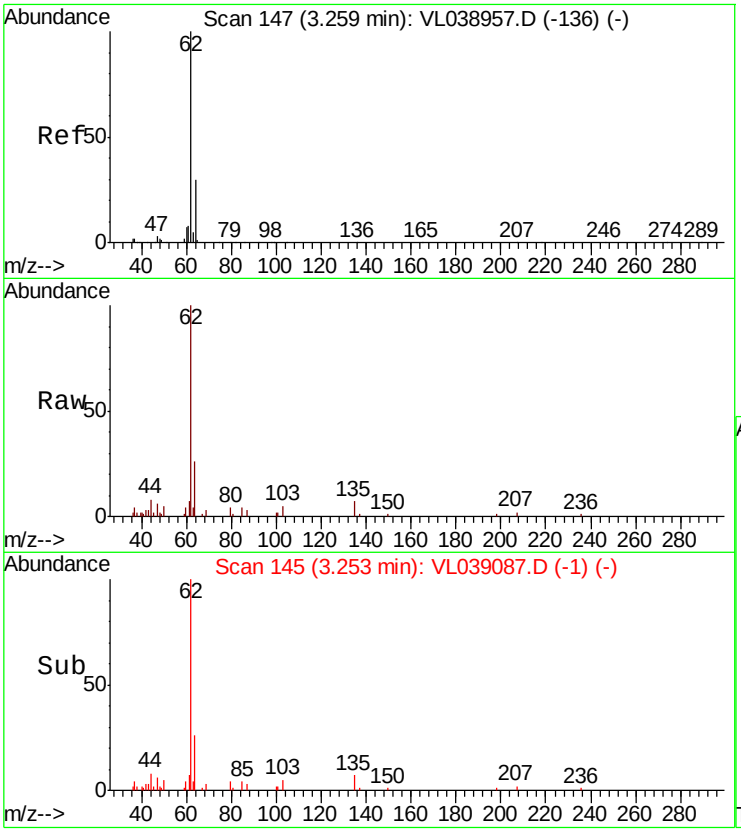


#4
Chloromethane
Concen: 0.276 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 50 Resp: 18426

Ion	Ratio	Lower	Upper
50	100		
52	38.0	27.3	40.9



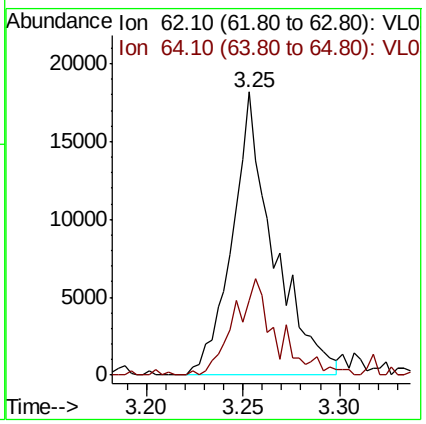


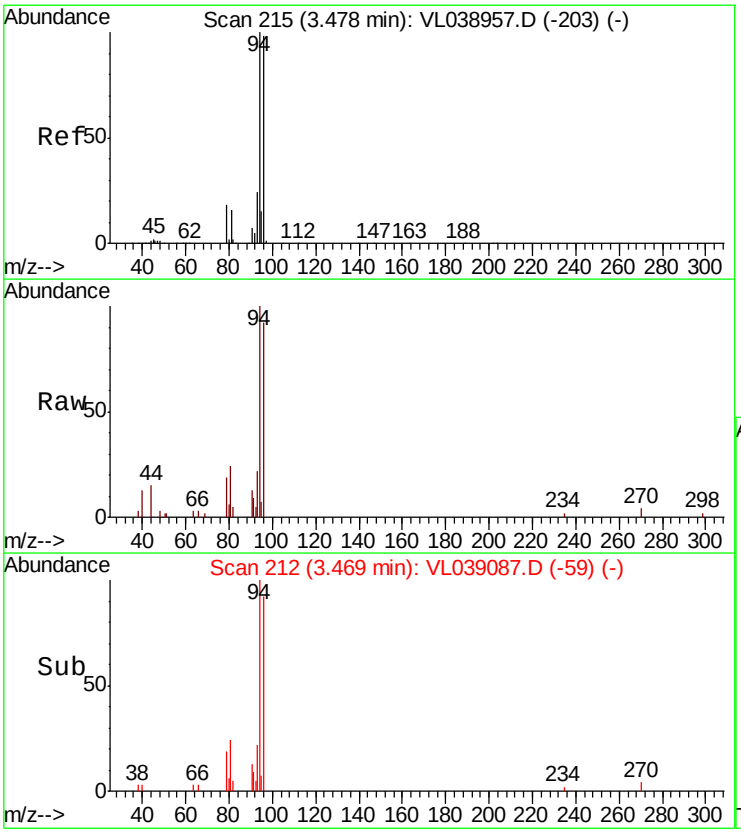
#5
Vinyl Chloride
Concen: 0.444 ppbv
RT: 3.25
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 27115

Ion	Ratio	Lower	Upper
62	100		
64	26.5	24.2	36.4

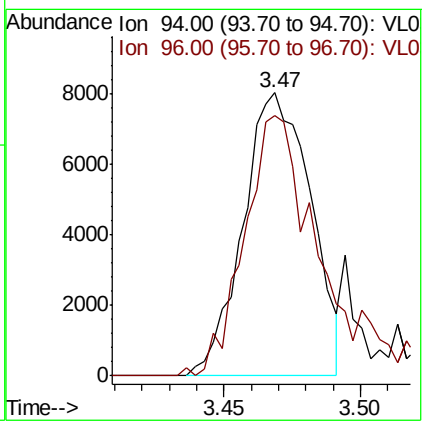


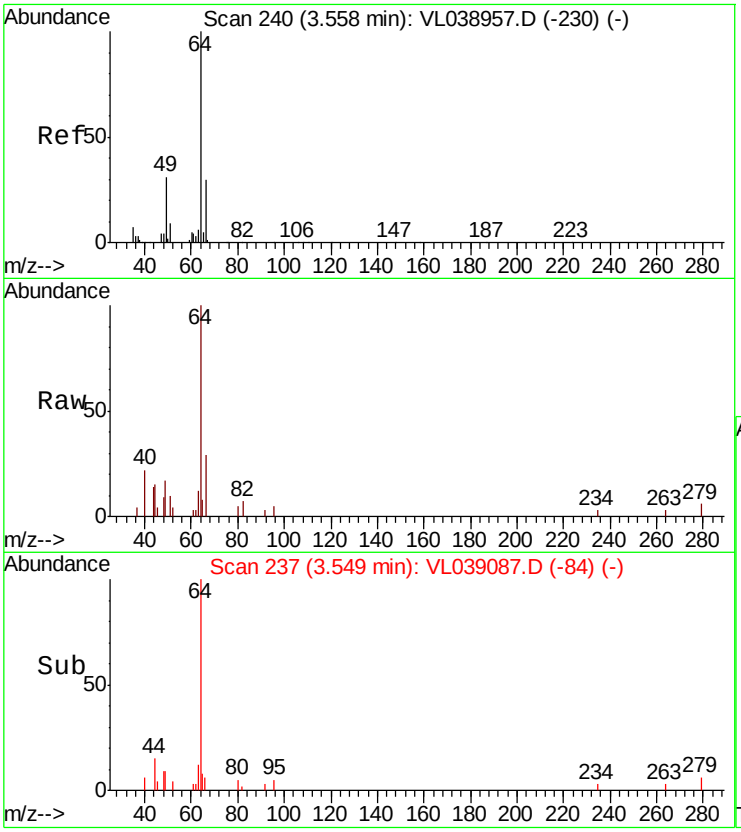


#6
Bromomethane
Concen: 0.480 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 94 Resp: 13827

Ion	Ratio	Lower	Upper
94	100		
96	89.0	78.1	117.1



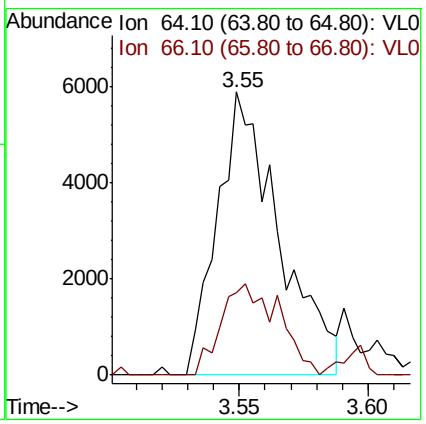


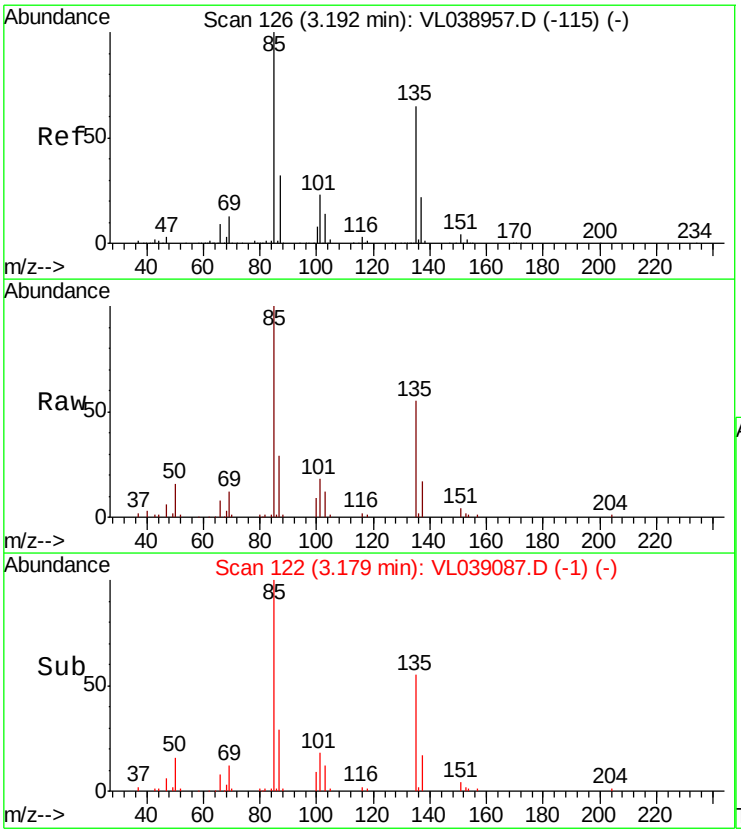
#7
Chloroethane
Concen: 0.481 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 64 Resp: 9816

Ion	Ratio	Lower	Upper
64	100		
66	27.1	23.8	35.8

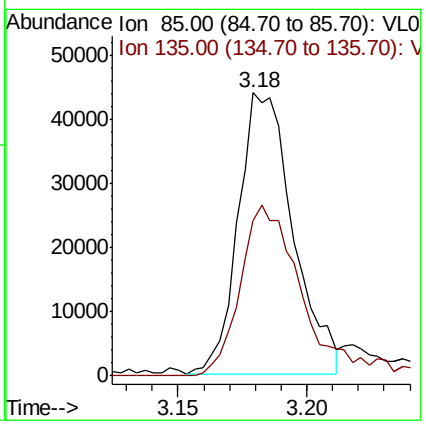


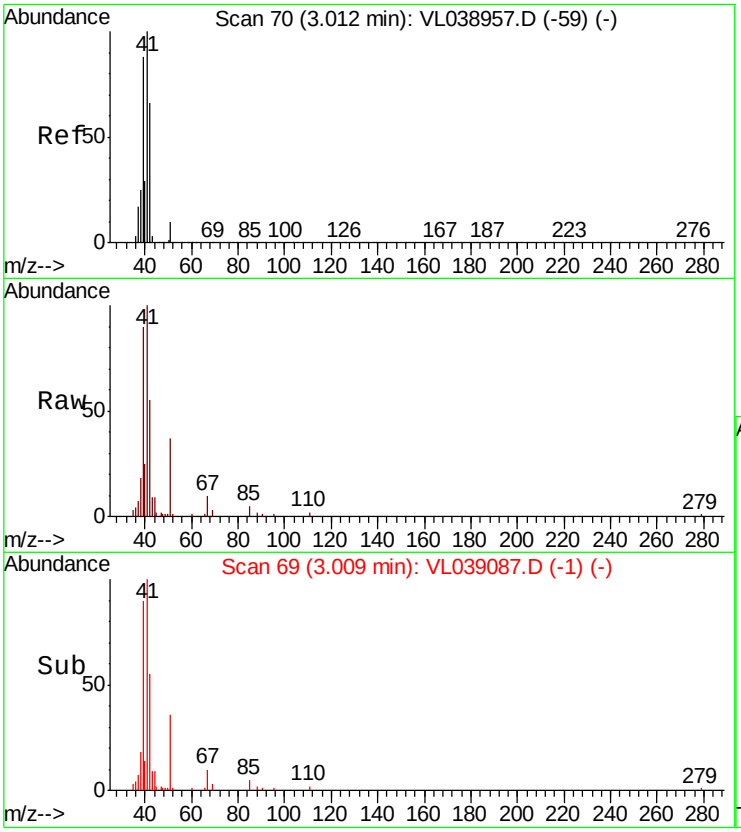


#8
Dichlorotetrafluoroethane
Concen: 0.425 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 85 Resp: 64903

Ion	Ratio	Lower	Upper
85	100		
135	69.0	53.6	80.4



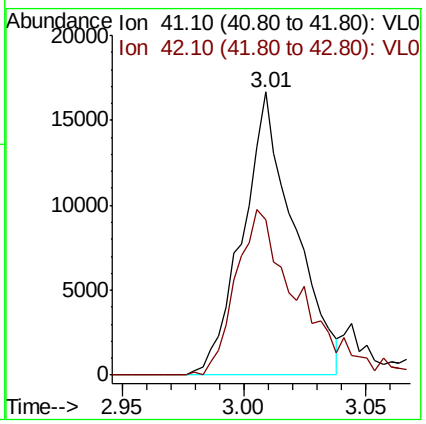


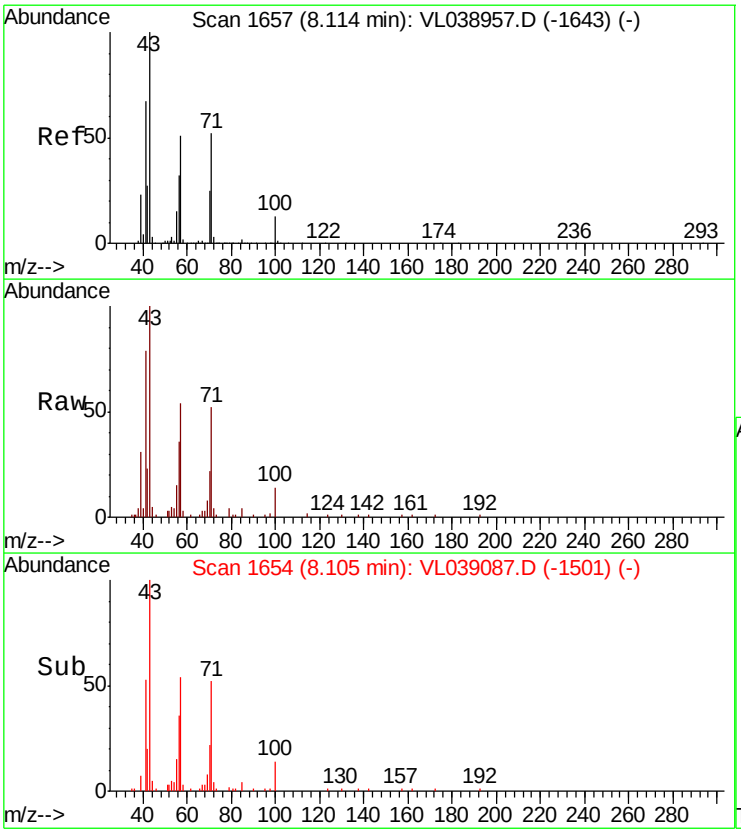
#9
Propene
Concen: 0.420 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 41 Resp: 24508

Ion	Ratio	Lower	Upper
41	100		
42	73.9	58.3	87.5

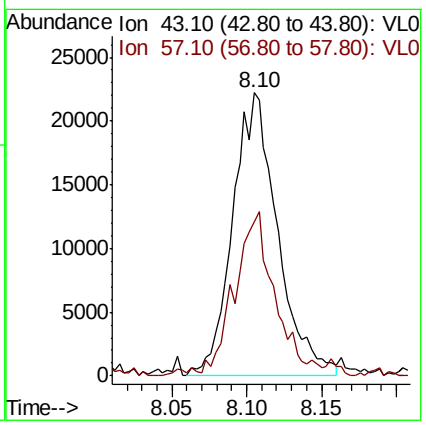


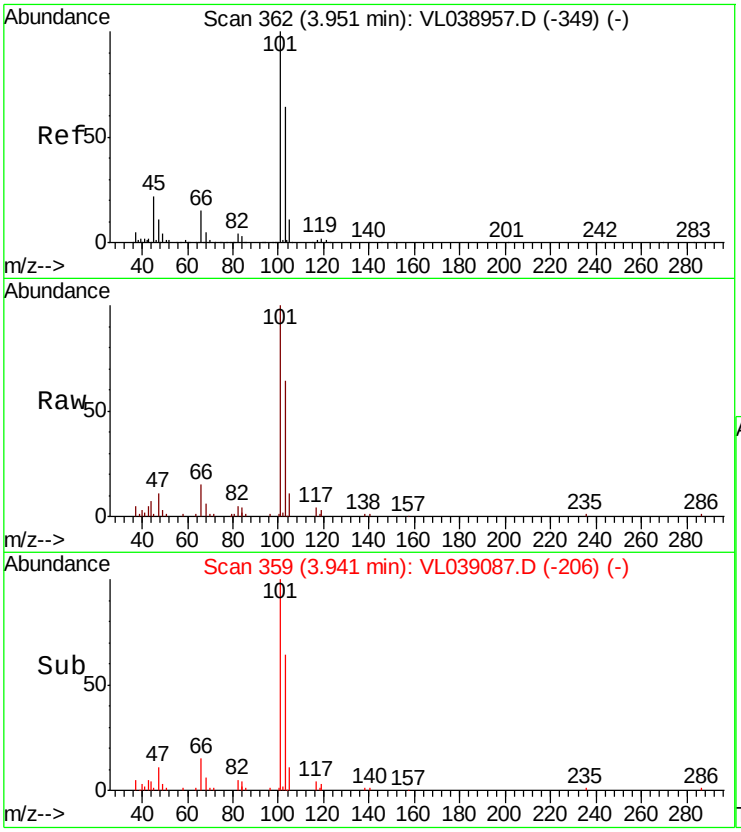


#10
Heptane
Concen: 0.325 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 43 Resp: 46477

Ion	Ratio	Lower	Upper
43	100		
57	54.5	40.5	60.7



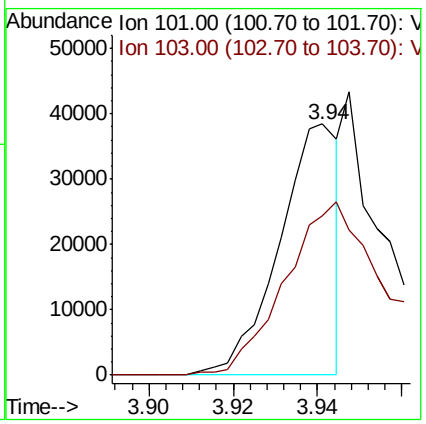


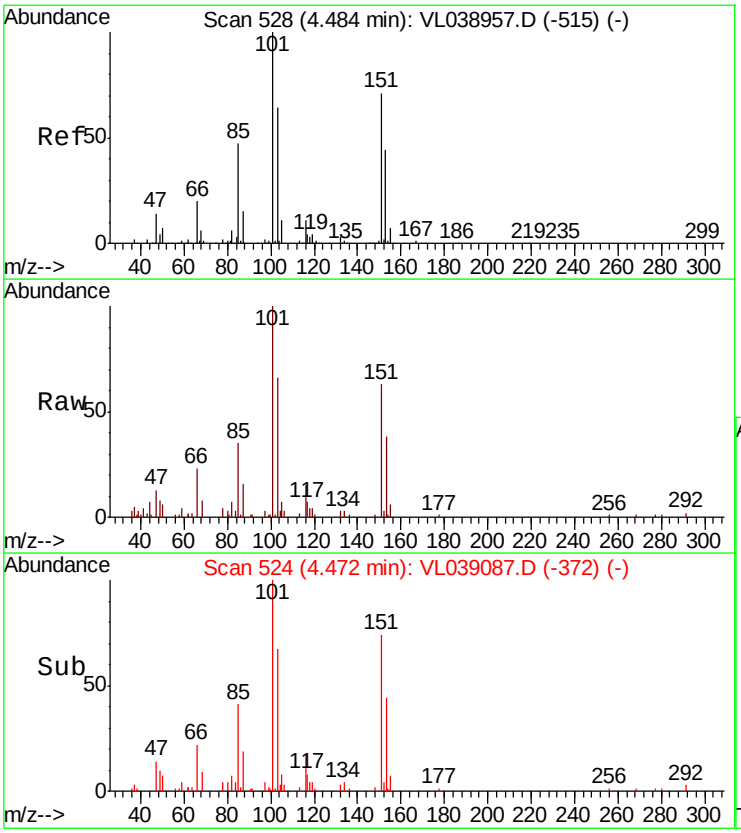
#11
Trichlorofluoromethane
Concen: 0.260 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:101 Resp: 37564

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.5	77.3

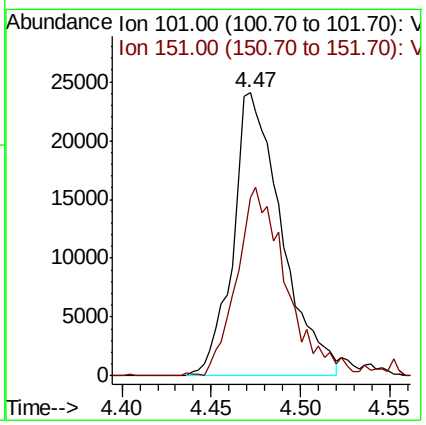


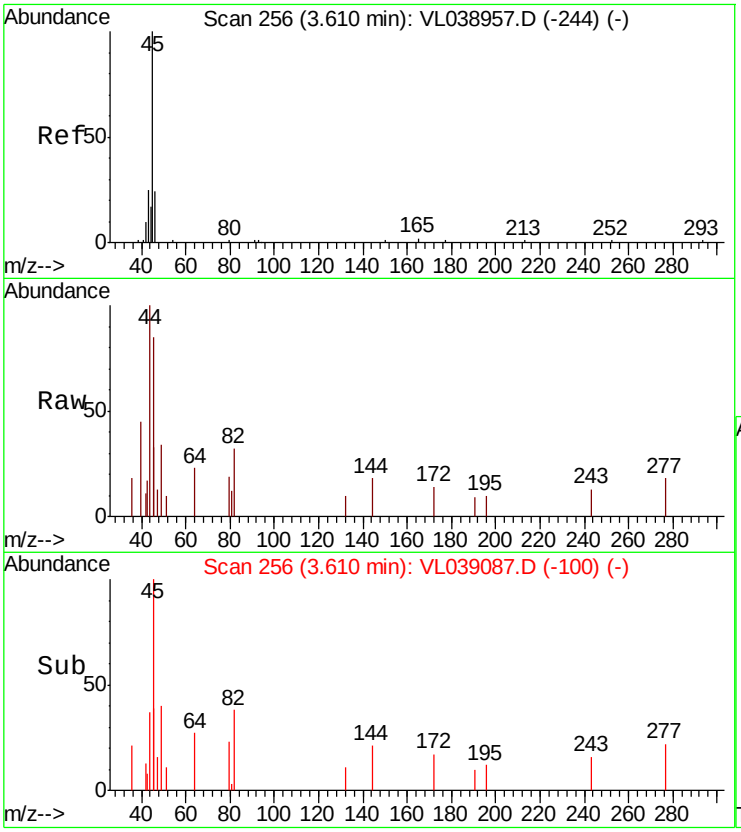


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.459 ppbv
RT: 4.47 min Scan# 524
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:101 Resp: 45760

Ion	Ratio	Lower	Upper
101	100		
151	71.4	55.4	83.0



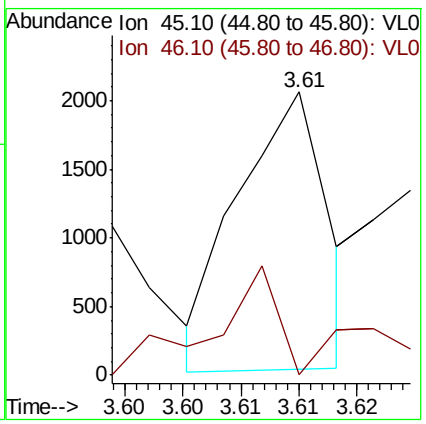


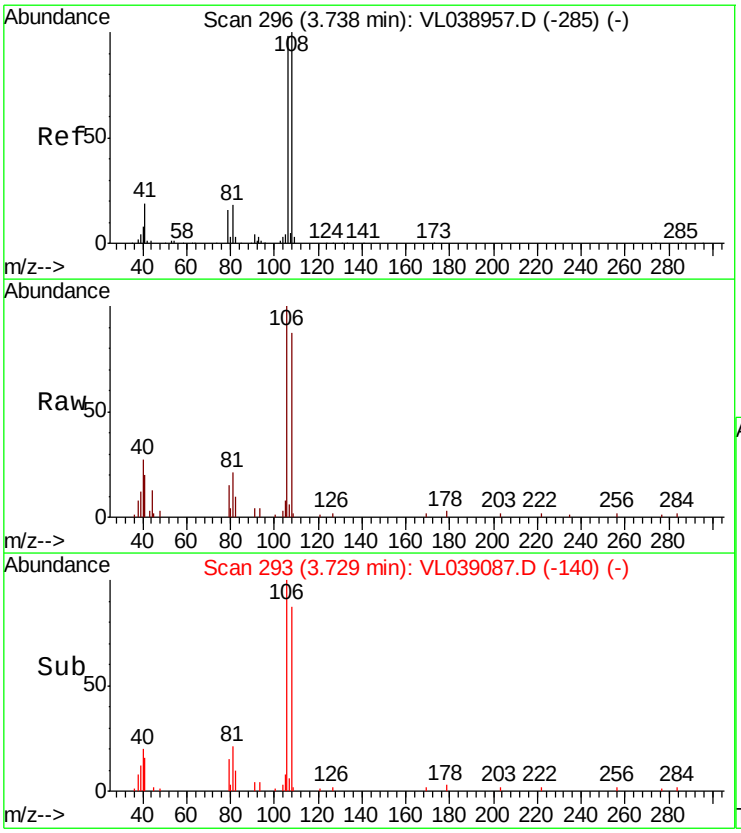
#13
Ethanol
Concen: 0.263 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 45 Resp: 1084

Ion	Ratio	Lower	Upper
45	100		
46	129.2	18.0	72.2#

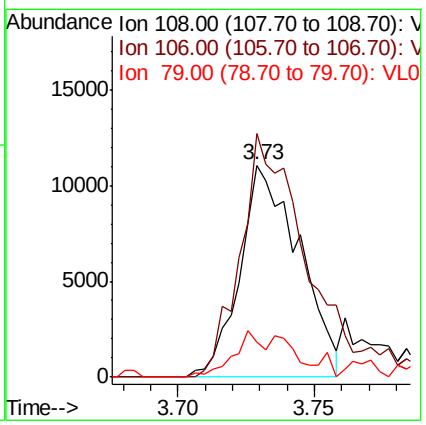


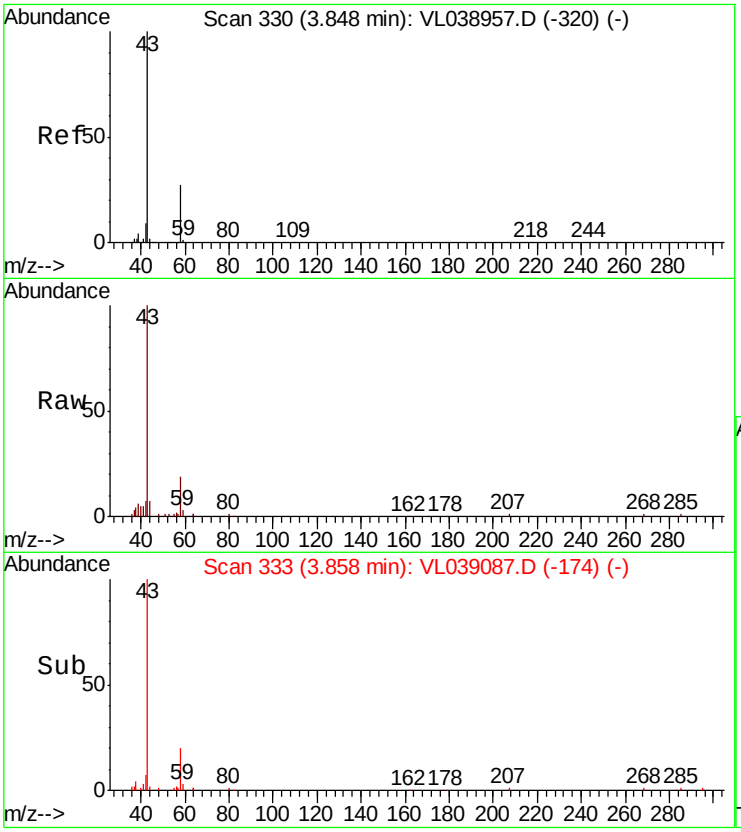


#14
Bromoethene
Concen: 0.407 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:108 Resp: 16699

Ion	Ratio	Lower	Upper
108	100		
106	132.7	90.3	135.5
79	21.8	14.9	22.3



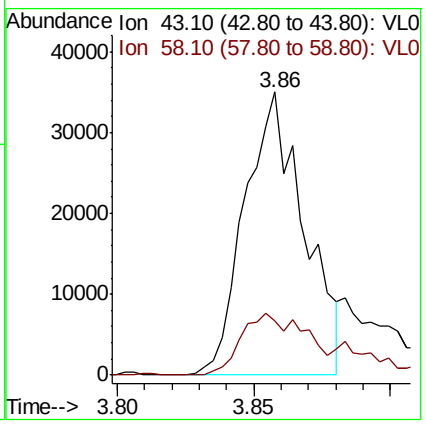


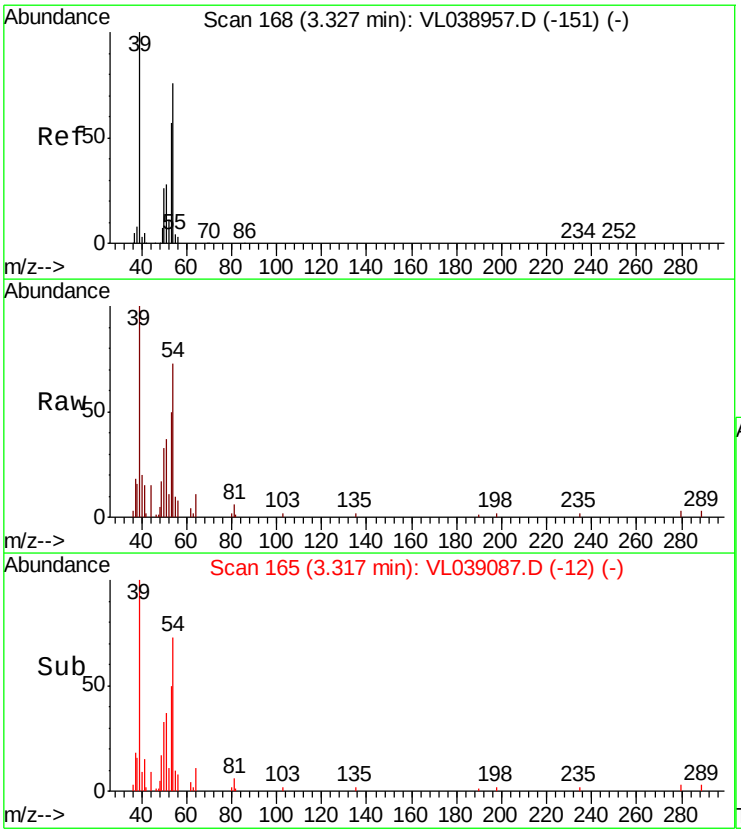
#15
Acetone
Concen: 0.523 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 53026

Ion	Ratio	Lower	Upper
43	100		
58	34.8	21.3	31.9#

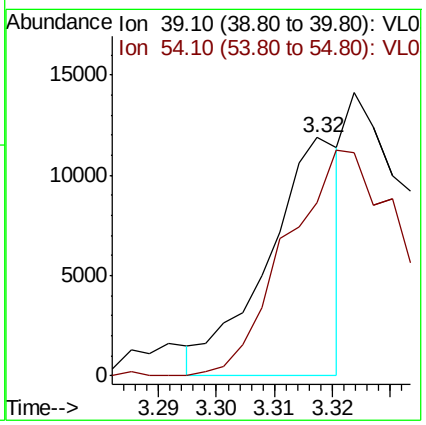


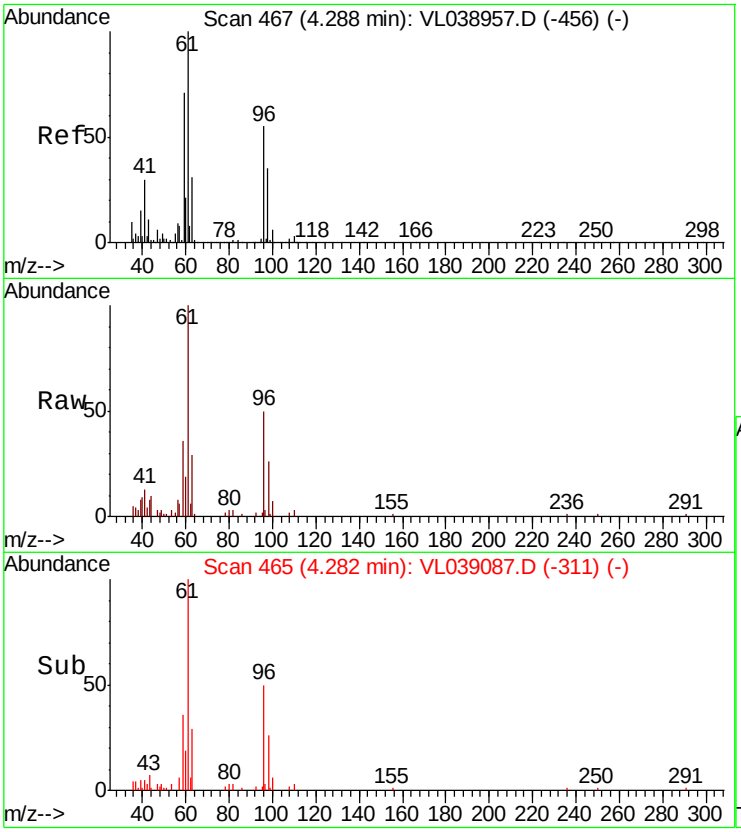


#16
1,3-Butadiene
Concen: 0.177 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 39 Resp: 10320

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.2	97.8#



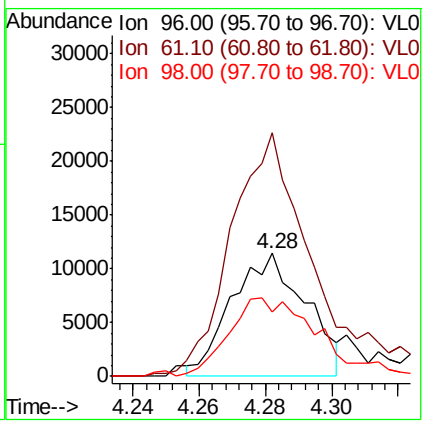


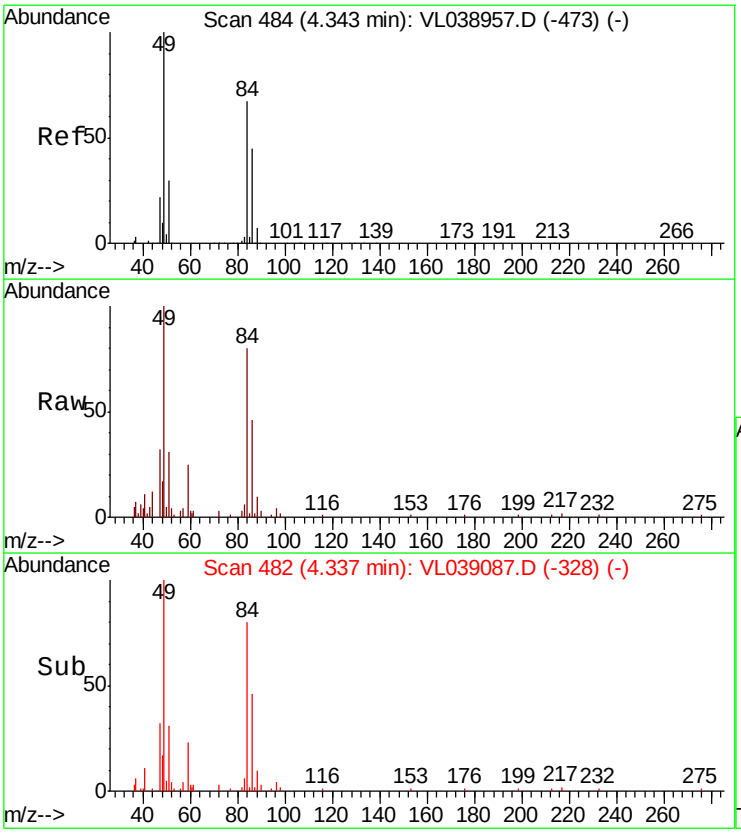
#18
1,1-Dichloroethene
Concen: 0.413 ppbv
RT: 4.28
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 96 Resp: 17717

Ion	Ratio	Lower	Upper
96	100		
61	190.7	146.3	219.5
98	51.2	50.6	75.8

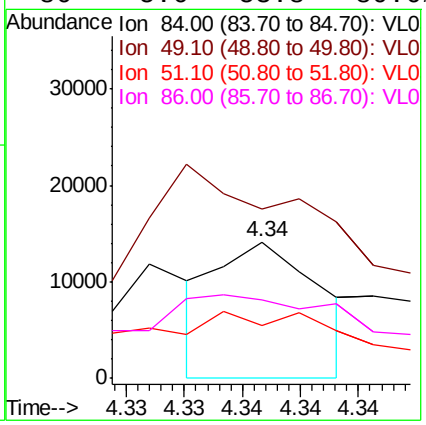


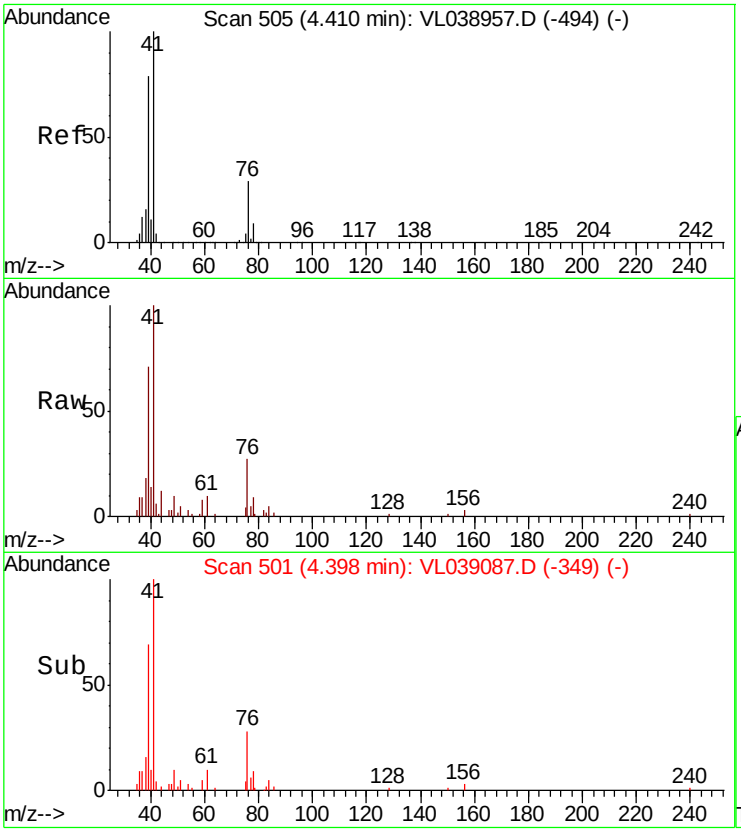


#20
Methylene Chloride
Concen: 0.227 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 84 Resp: 8694

Ion	Ratio	Lower	Upper
84	100		
49	23.9	119.9	179.9#
51	15.6	35.7	53.5#
86	5.6	53.8	80.6#



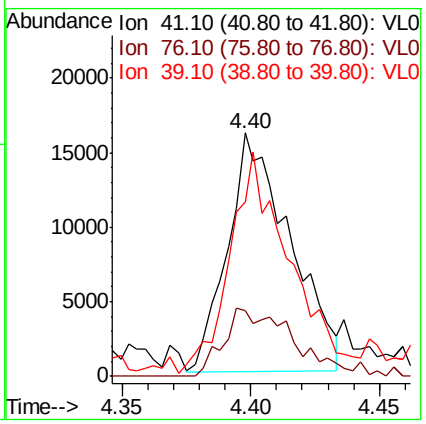


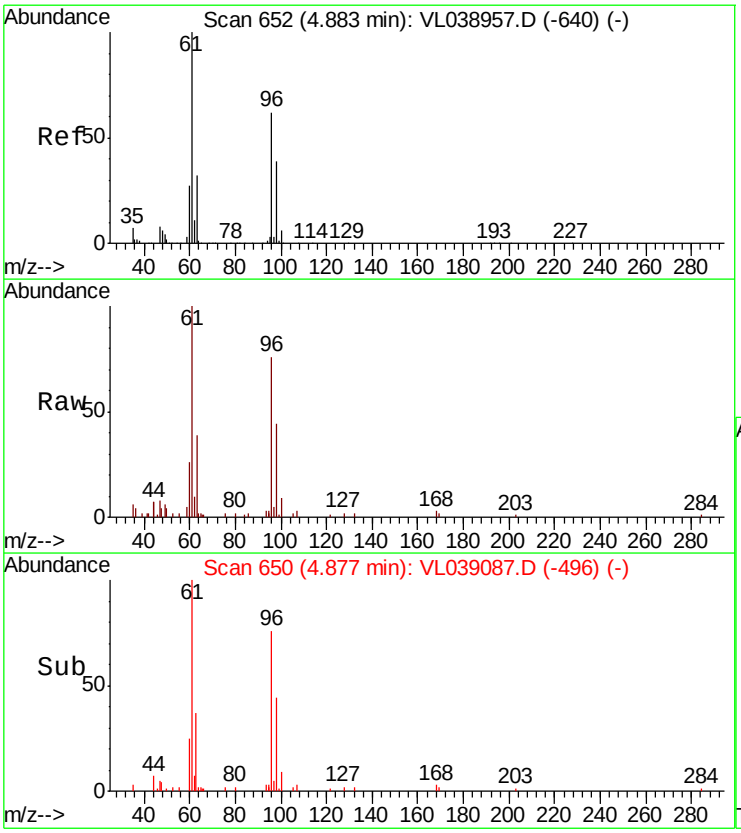
#21
Allvl Chloride
Concen: 0.393 ppbv
RT: 4.40
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 41 Resp: 27197

Ion	Ratio	Lower	Upper
41	100		
76	32.5	24.2	36.4
39	103.3	63.8	95.8#

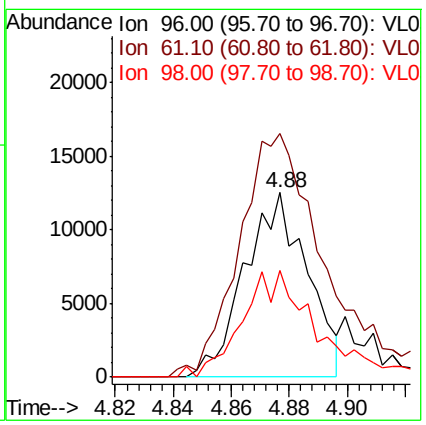


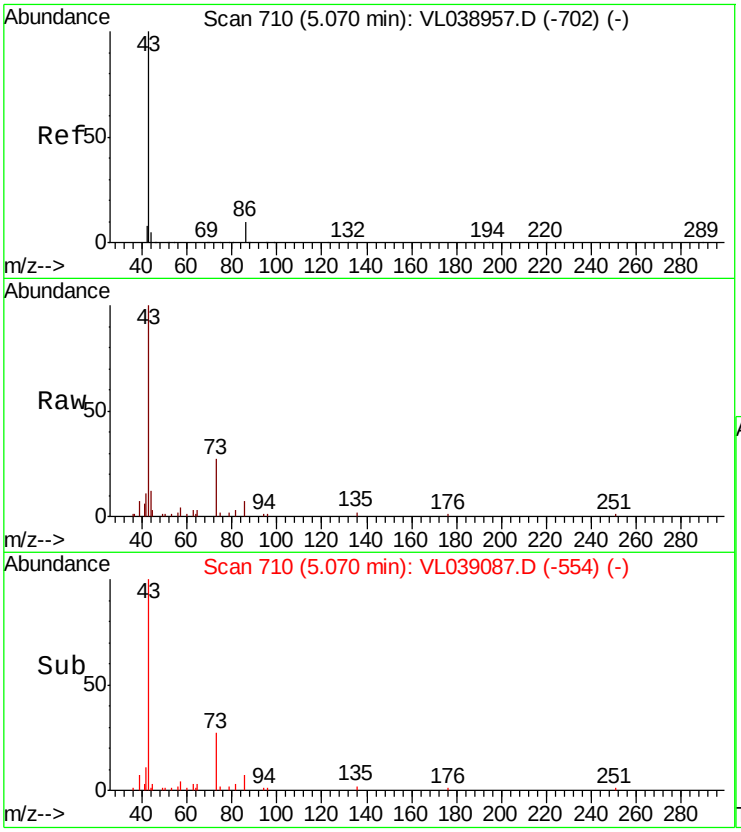


#22
trans-1,2-Dichloroethene
Concen: 0.405 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 96 Resp: 18764

Ion	Ratio	Lower	Upper
96	100		
61	125.2	128.2	192.2#
98	52.4	50.1	75.1



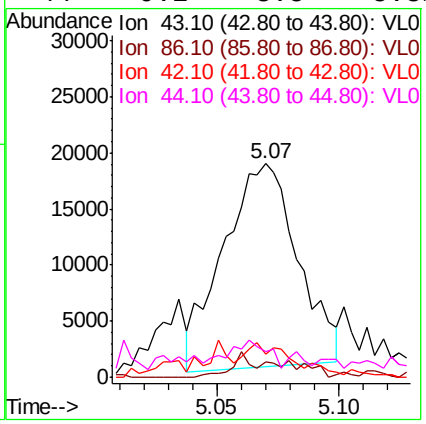


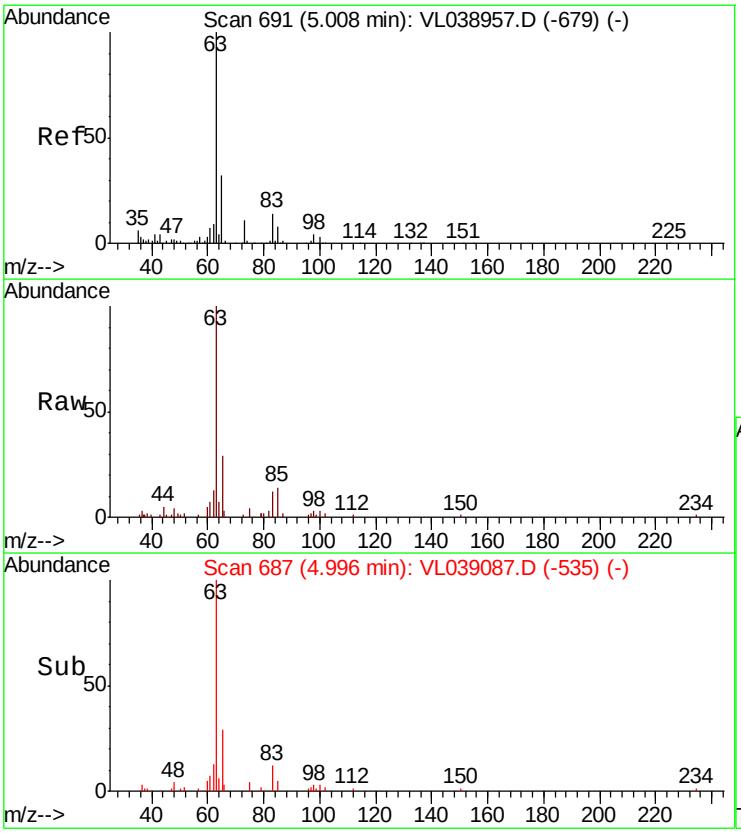
#23
Vinyl Acetate
Concen: 0.480 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 38555

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.6	9.8
42	10.6	8.1	12.1
44	9.2	3.5	5.3#

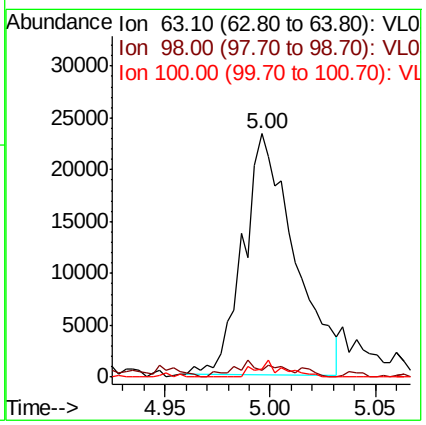


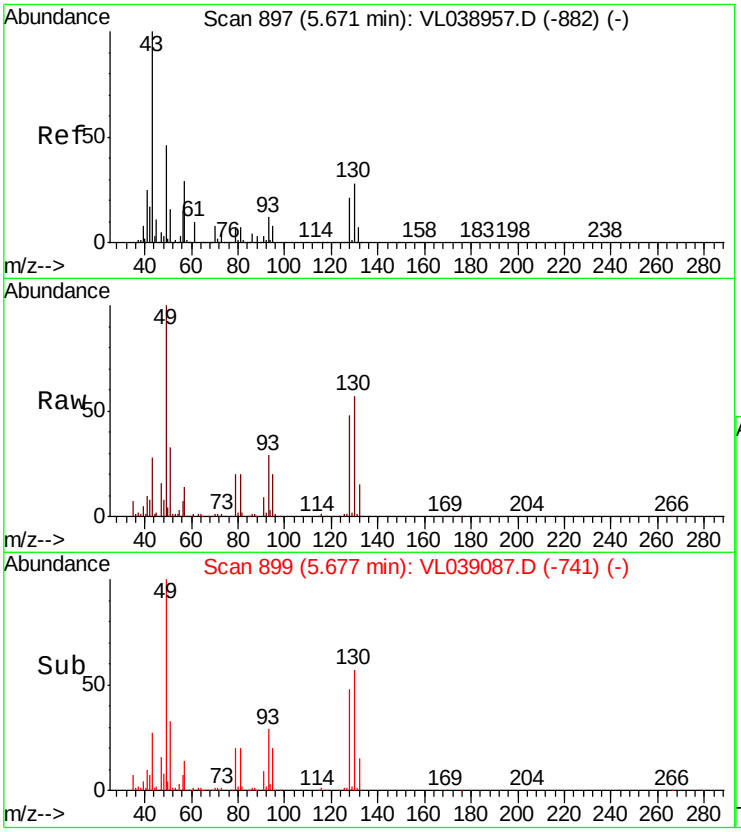


#24
1,1-Dichloroethane
Concen: 0.424 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 63 Resp: 39228

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	3.4	1.4	4.2



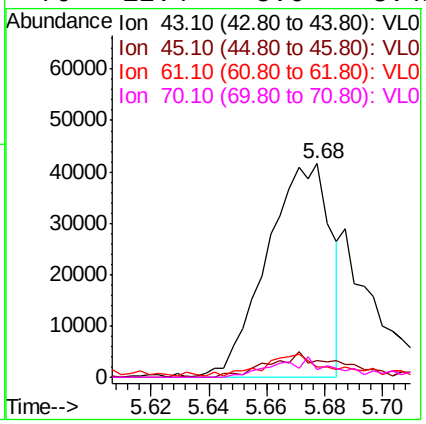


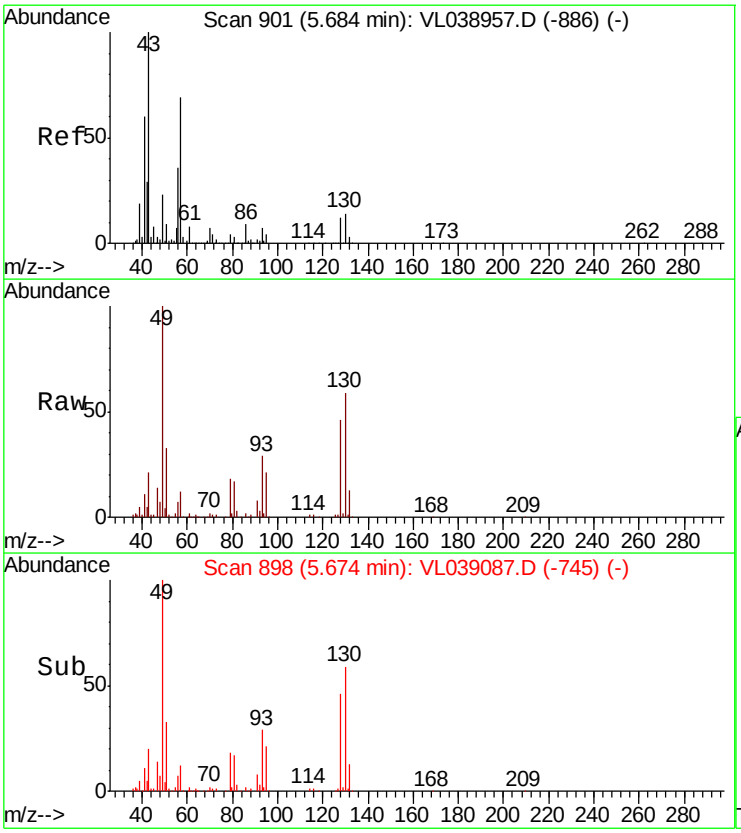
#25
Ethyl Acetate
Concen: 0.261 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 63360

Ion	Ratio	Lower	Upper
43	100		
45	16.7	8.1	12.1#
61	14.0	7.8	11.6#
70	12.4	5.6	8.4#

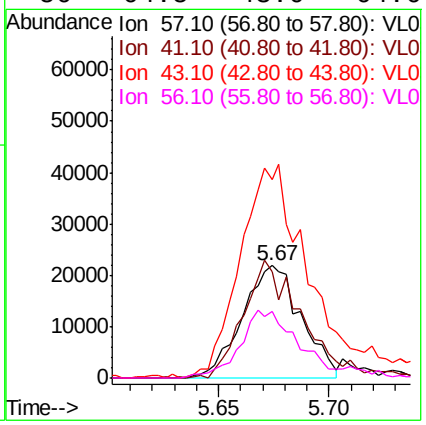


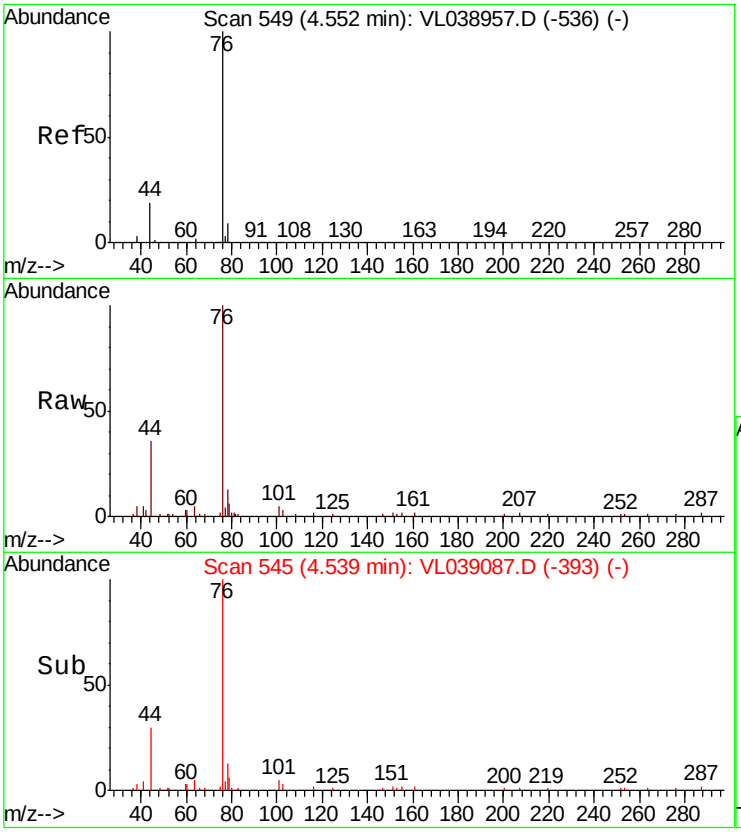


#26
Hexane
Concen: 0.376 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 57 Resp: 40564

Ion	Ratio	Lower	Upper
57	100		
41	106.0	75.2	112.8
43	238.9	190.8	286.2
56	64.5	43.0	64.6



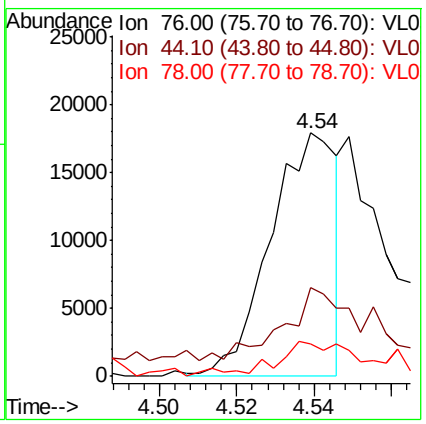


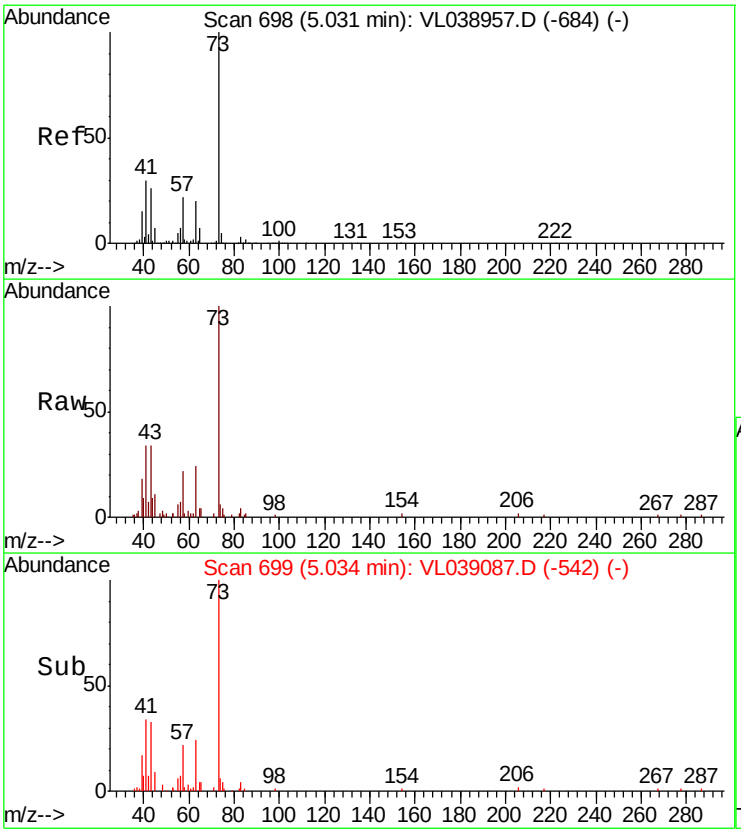
#27
Carbon Disulfide
Concen: 0.207 ppbv
RT: 4.54
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 76 Resp: 21243

Ion	Ratio	Lower	Upper
76	100		
44	39.0	15.3	22.9#
78	21.6	8.2	12.2#

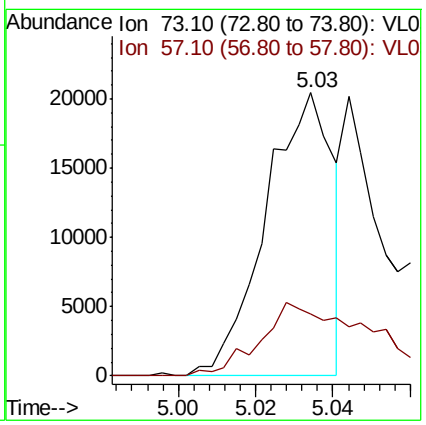


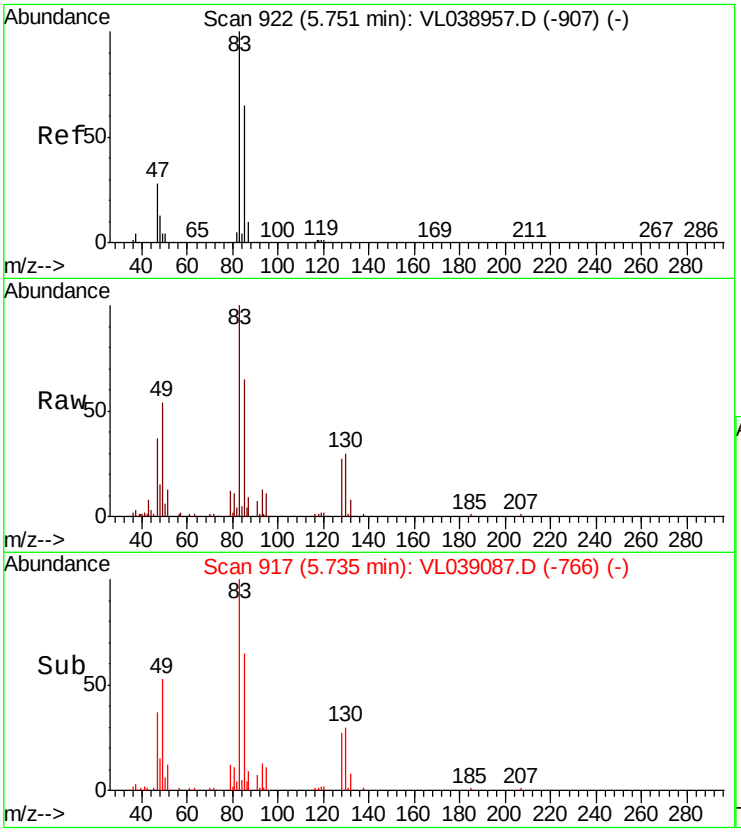


#28
Methyl tert-Butyl Ether
Concen: 0.301 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 73 Resp: 24675

Ion	Ratio	Lower	Upper
73	100		
57	45.3	18.8	28.2#



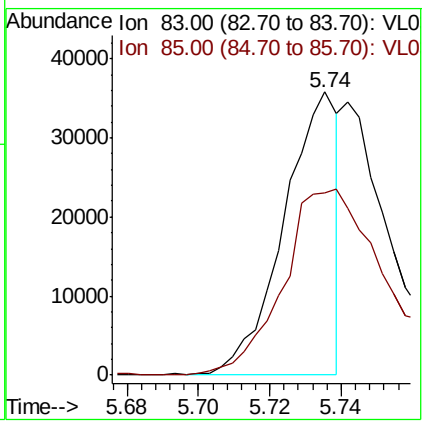


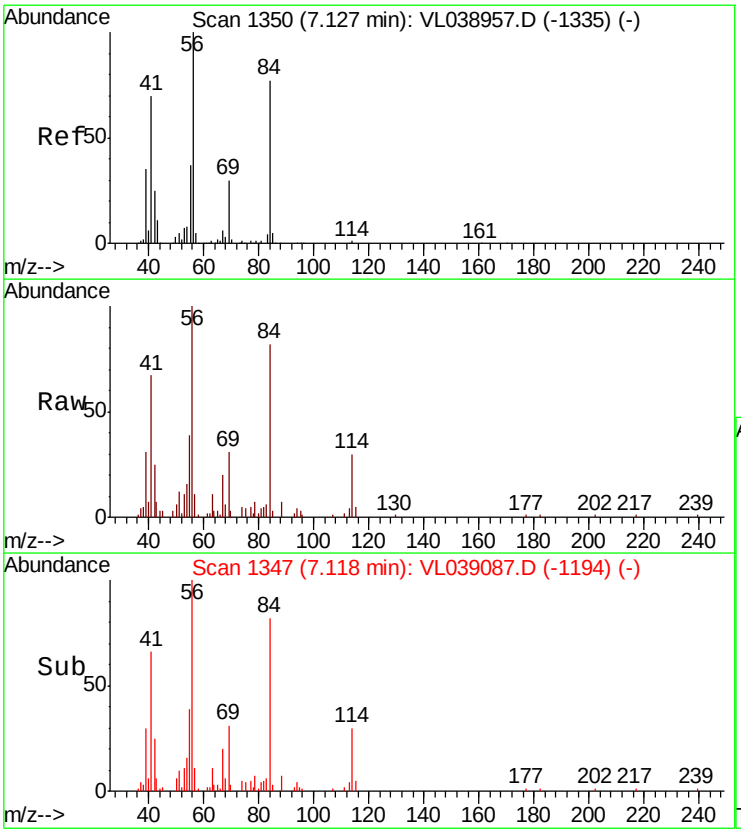
#29
Chloroform
Concen: 0.216 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 37636

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6

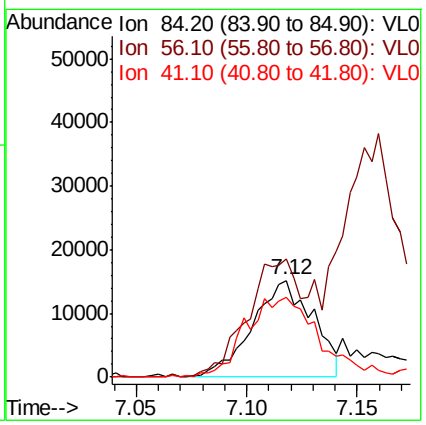


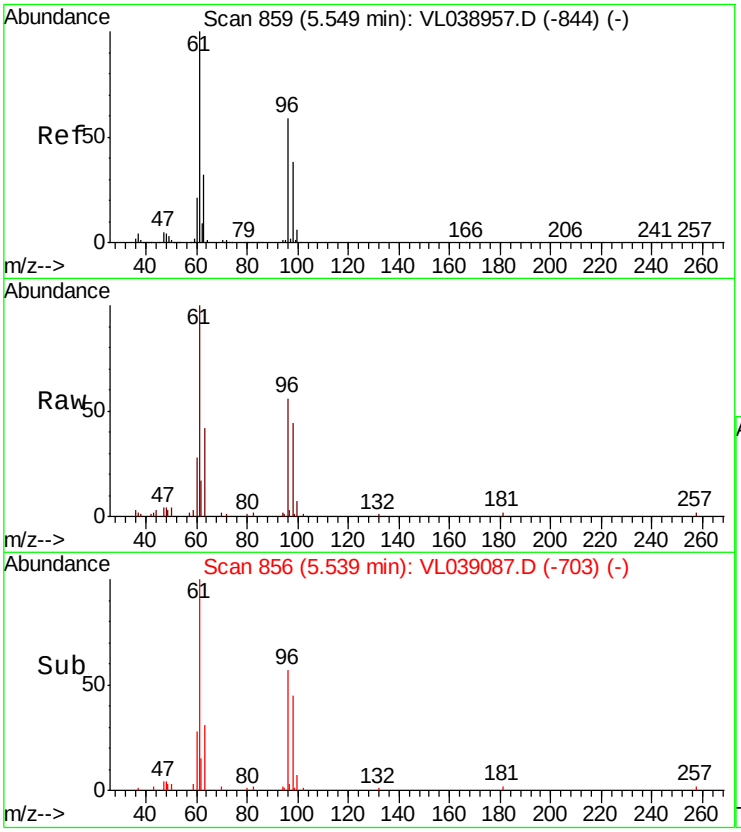


#30
Cyclohexane
Concen: 0.319 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 84 Resp: 28835

Ion	Ratio	Lower	Upper
84	100		
56	127.2	115.3	172.9
41	103.6	72.0	108.0



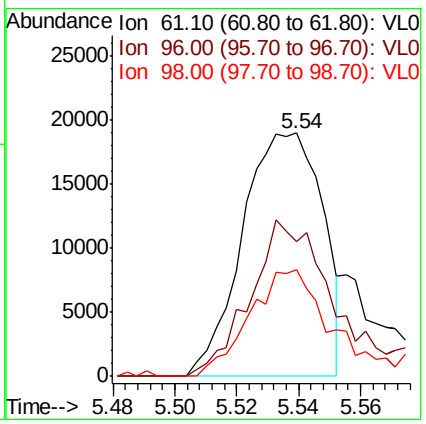


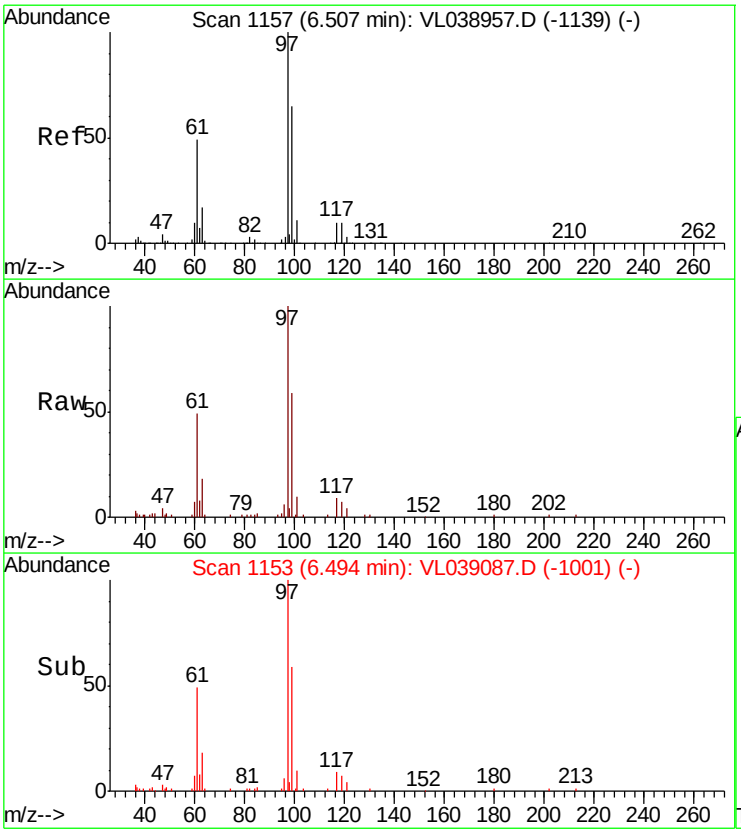
#31
cis-1,2-Dichloroethene
Concen: 0.311 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 61 Resp: 34151

Ion	Ratio	Lower	Upper
61	100		
96	58.8	47.4	71.0
98	44.0	30.6	45.8

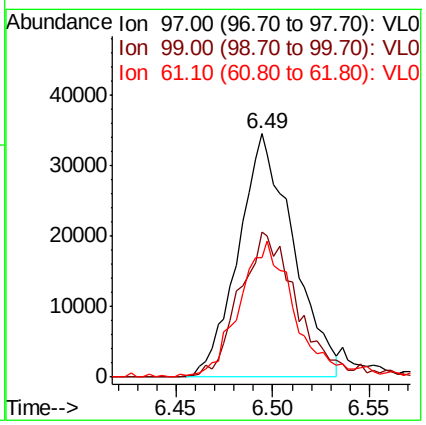


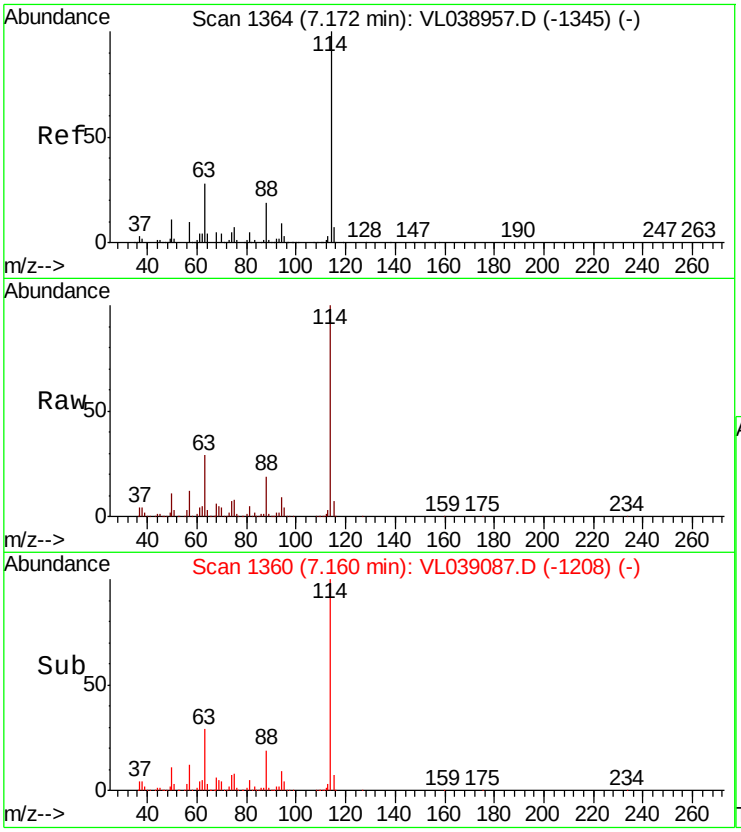


#32
1,1,1-Trichloroethane
Concen: 0.390 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 97 Resp: 68122

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	57.8	40.9	61.3



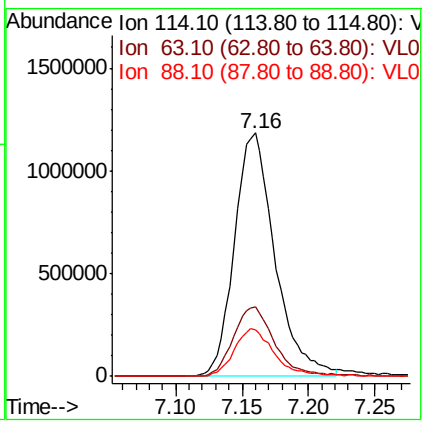


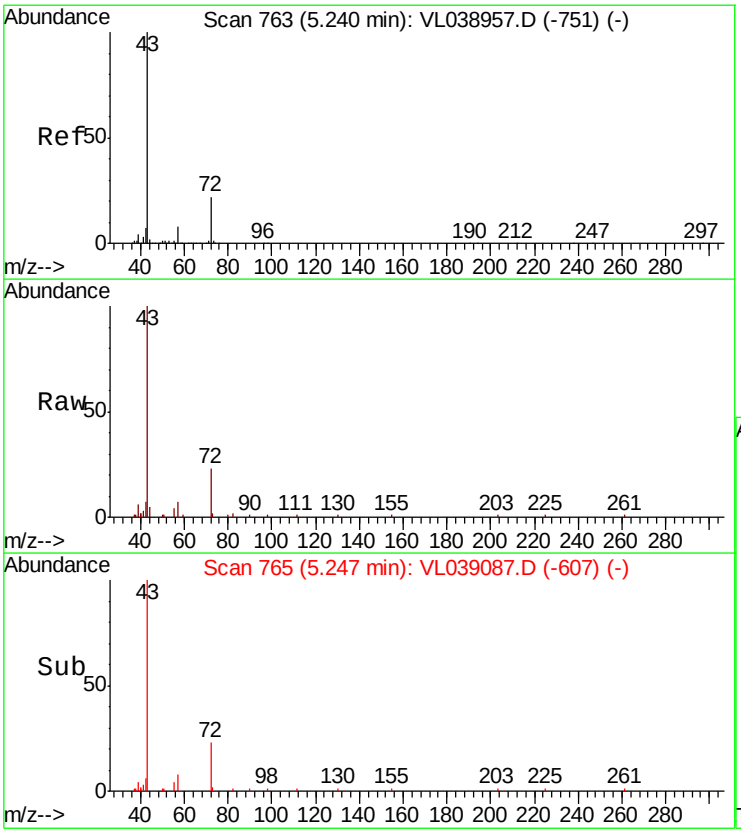
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:114 Resp: 2520782

Ion	Ratio	Lower	Upper
114	100		
63	29.5	22.6	33.8
88	19.7	15.4	23.0

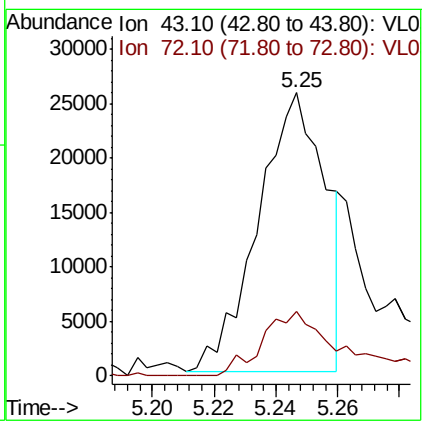


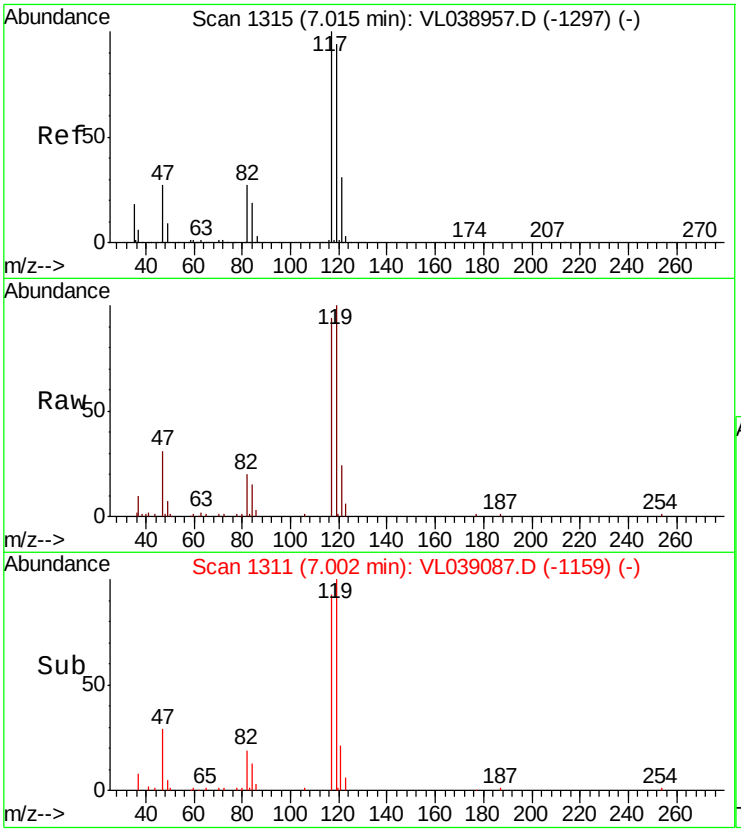


#34
2-Butanone
Concen: 0.301 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 43 Resp: 38676

Ion	Ratio	Lower	Upper
43	100		
72	31.8	17.8	26.6#



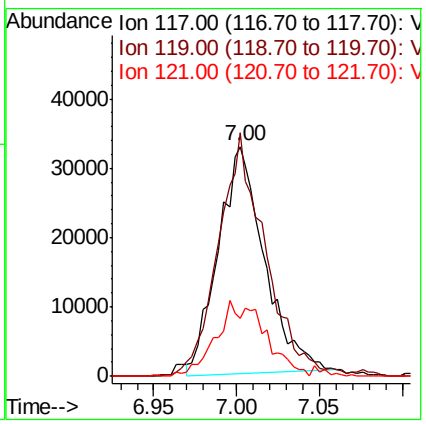


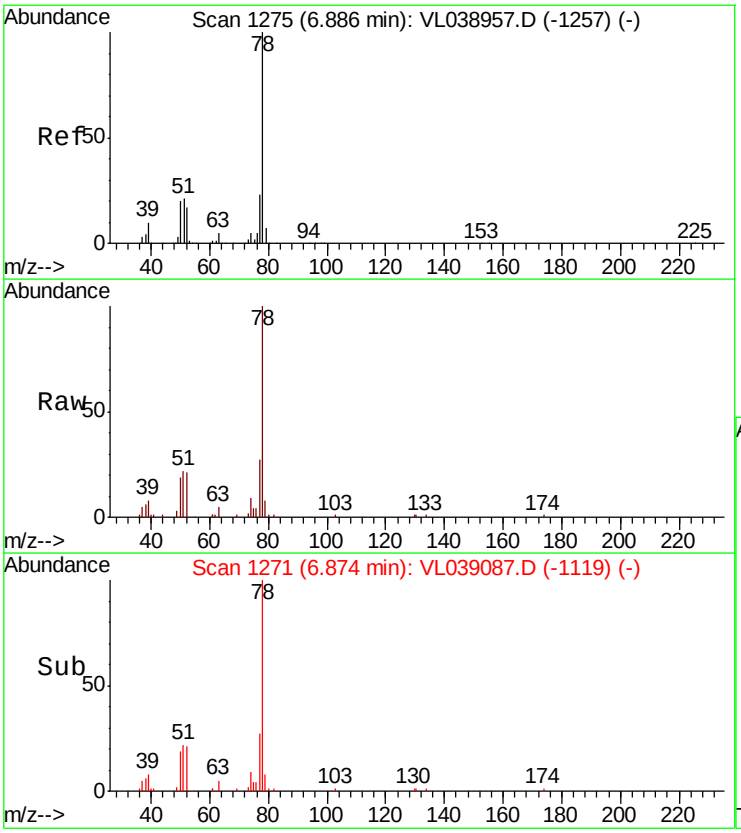
#35
Carbon Tetrachloride
Concen: 0.382 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:117 Resp: 63375

Ion	Ratio	Lower	Upper
117	100		
119	105.9	75.2	112.8
121	24.7	24.6	37.0

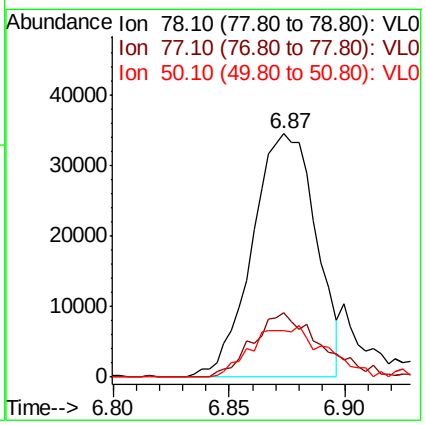


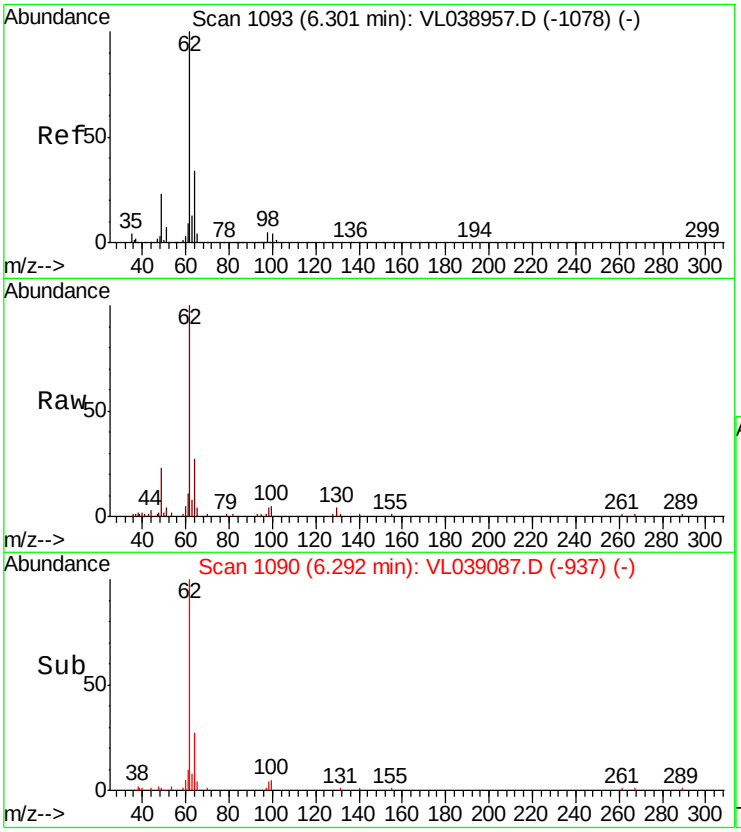


#36
Benzene
Concen: 0.305 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 78 Resp: 65710

Ion	Ratio	Lower	Upper
78	100		
77	26.7	18.6	28.0
50	19.0	15.6	23.4



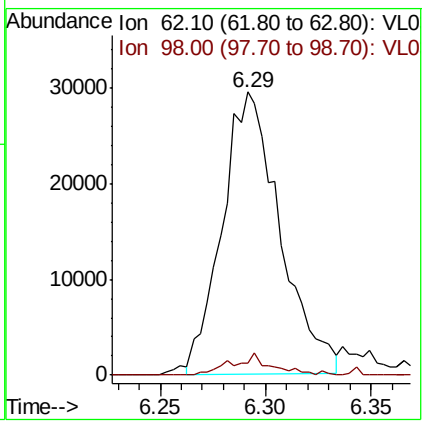


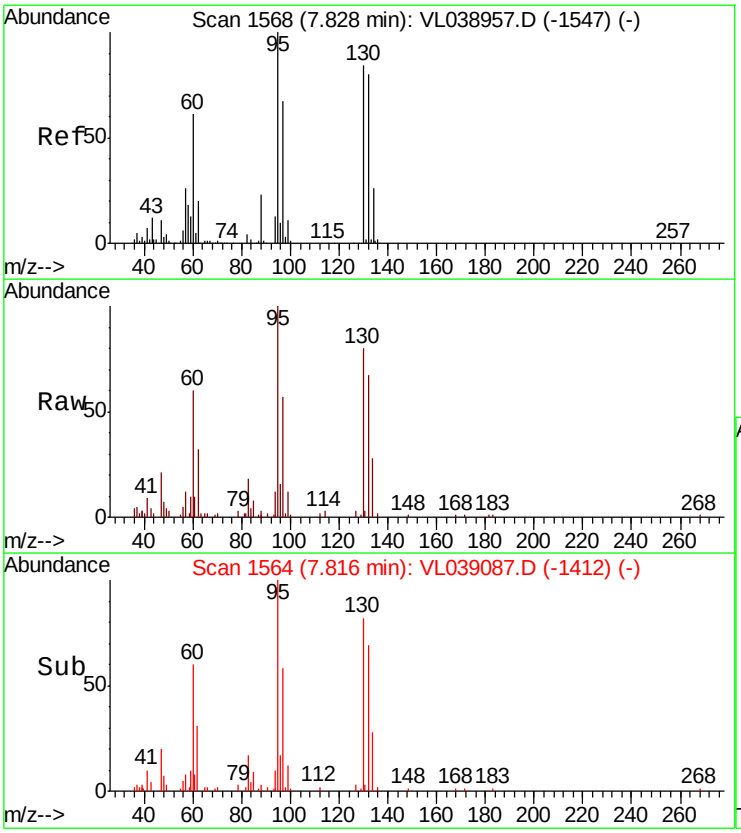
#37
1,2-Dichloroethane
Concen: 0.422 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 56296

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

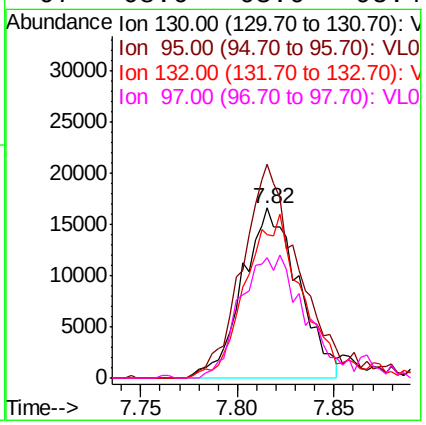


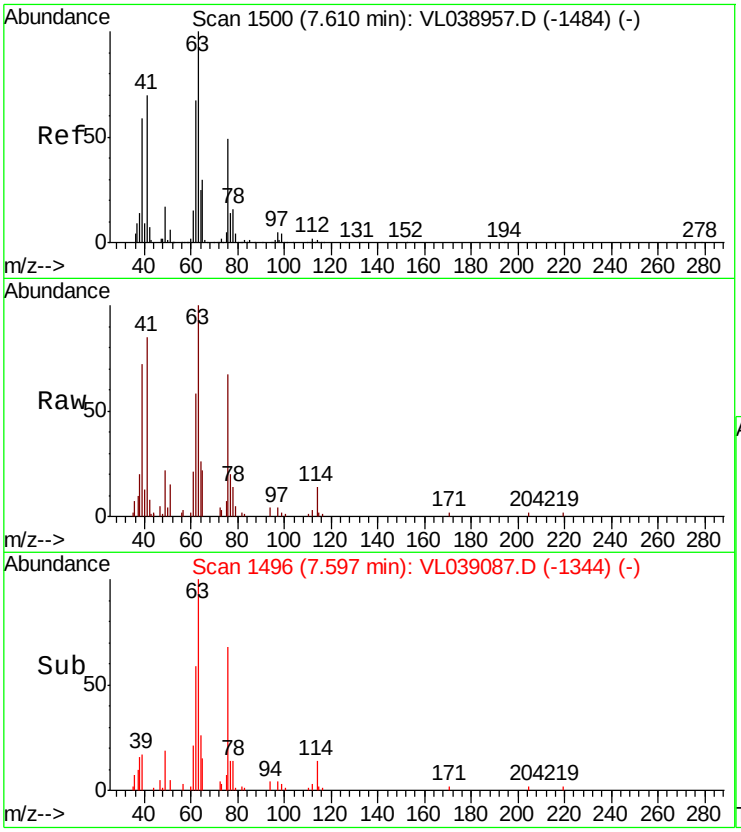


#38
Trichloroethene
Concen: 0.347 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:130 Resp: 33311

Ion	Ratio	Lower	Upper
130	100		
95	121.4	94.8	142.2
132	81.7	75.8	113.8
97	68.6	63.6	95.4



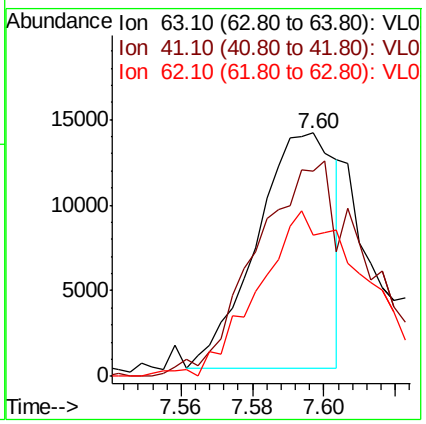


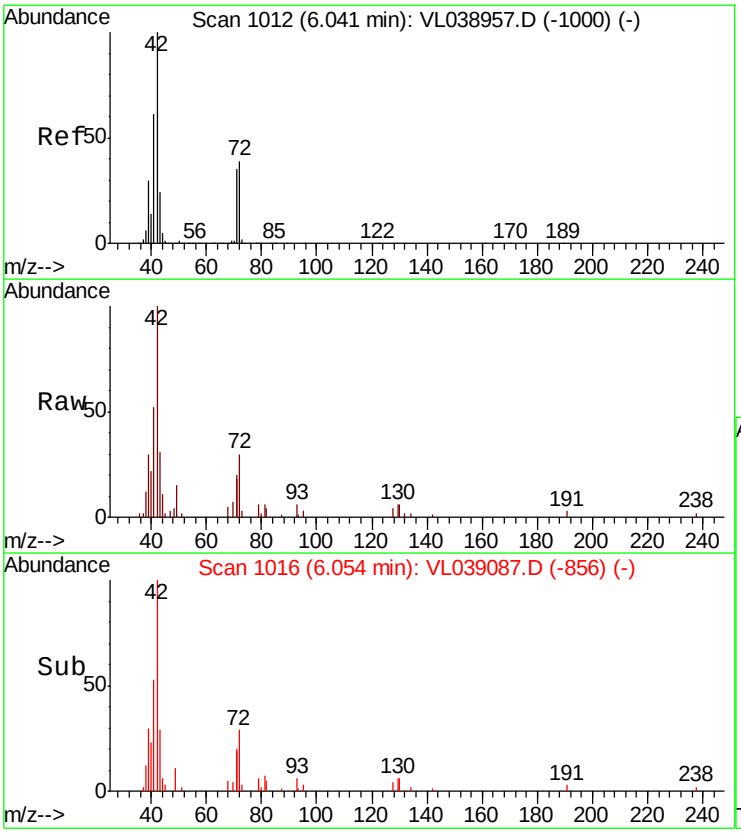
#39
1,2-Dichloropropane
Concen: 0.248 ppbv
RT: 7.60
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 63 Resp: 20805

Ion	Ratio	Lower	Upper
63	100		
41	80.0	55.9	83.9
62	57.2	53.8	80.6

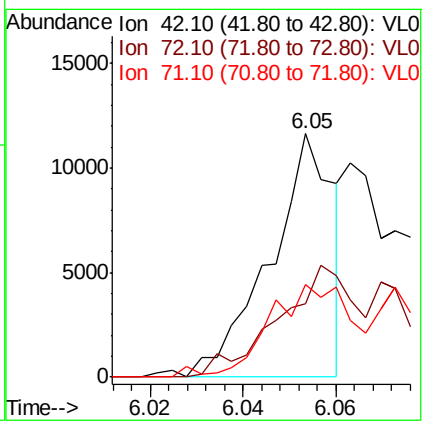


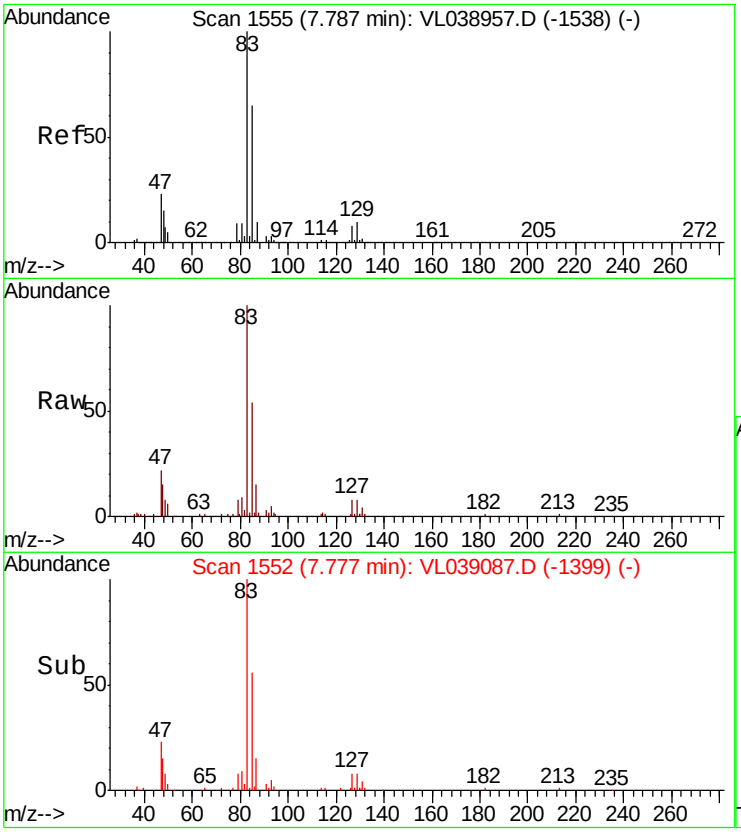


#41
Tetrahydrofuran
Concen: 0.128 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 42 Resp: 11067

Ion	Ratio	Lower	Upper
42	100		
72	107.1	31.8	47.6#
71	108.6	30.6	45.8#



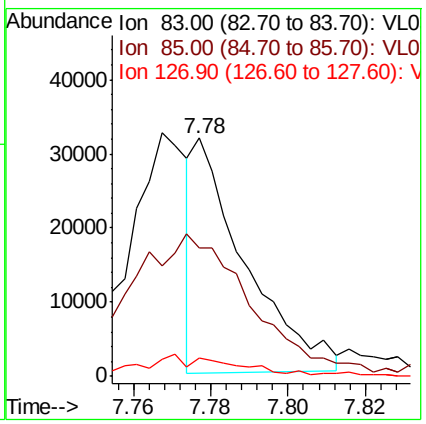


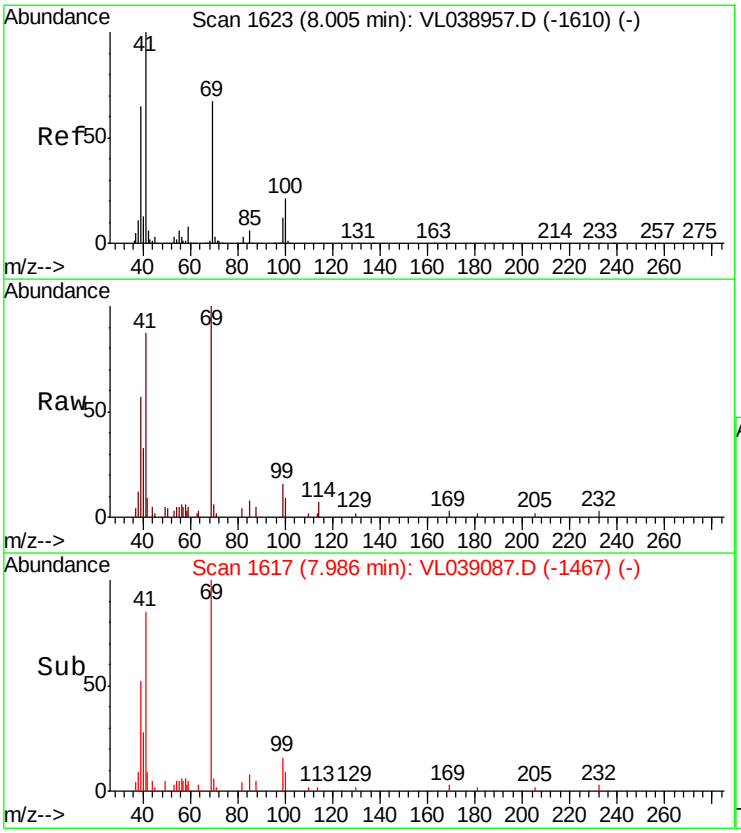
#42
Bromodichloromethane
Concen: 0.160 ppbv
RT: 7.78
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 29200

Ion	Ratio	Lower	Upper
83	100		
85	52.9	52.0	78.0
127	7.3	6.0	9.0

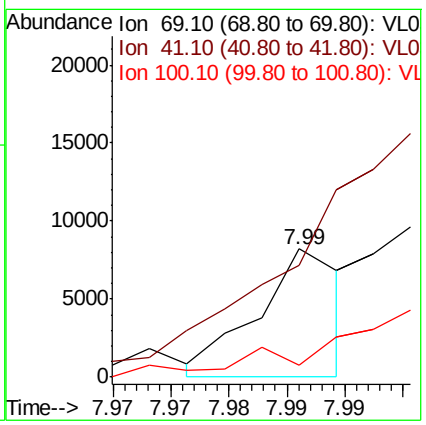


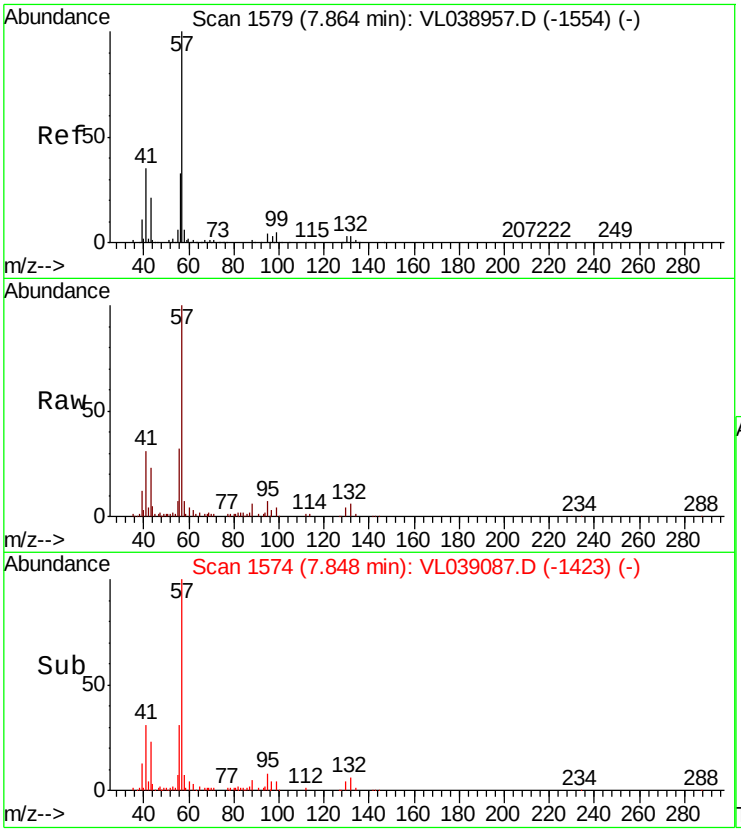


#43
Methyl Methacrylate
Concen: 0.048 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.02 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 69 Resp: 4162

Ion	Ratio	Lower	Upper
69	100		
41	0.0	121.9	182.9#
100	0.0	24.6	36.8#



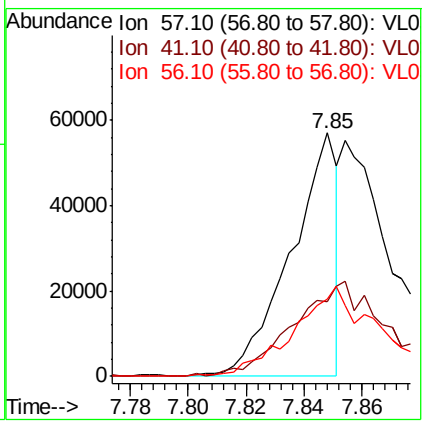


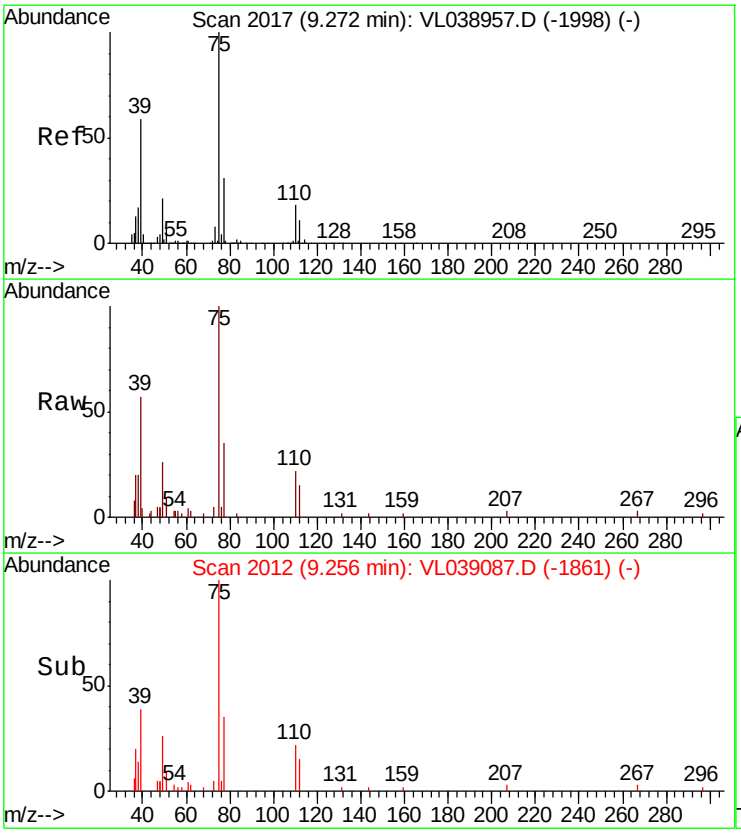
#44
2,2,4-Trimethylpentane
Concen: 0.167 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 57 Resp: 63210

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.3	39.5#
56	0.0	24.6	37.0#

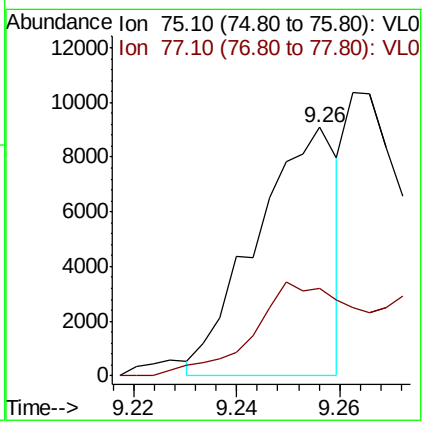


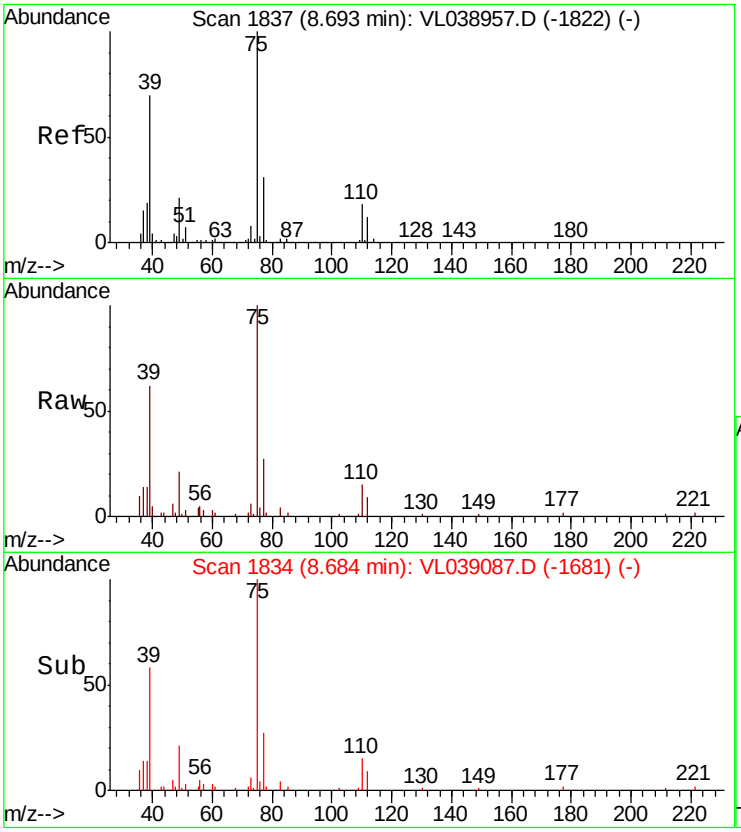


#45
t-1,3-Dichloropropene
Concen: 0.117 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.02 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 75 Resp: 9932

Ion	Ratio	Lower	Upper
75	100		
77	35.2	24.6	37.0



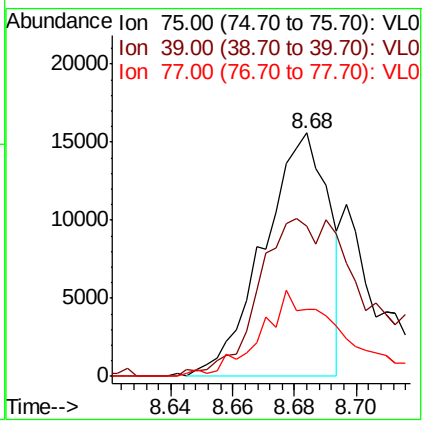


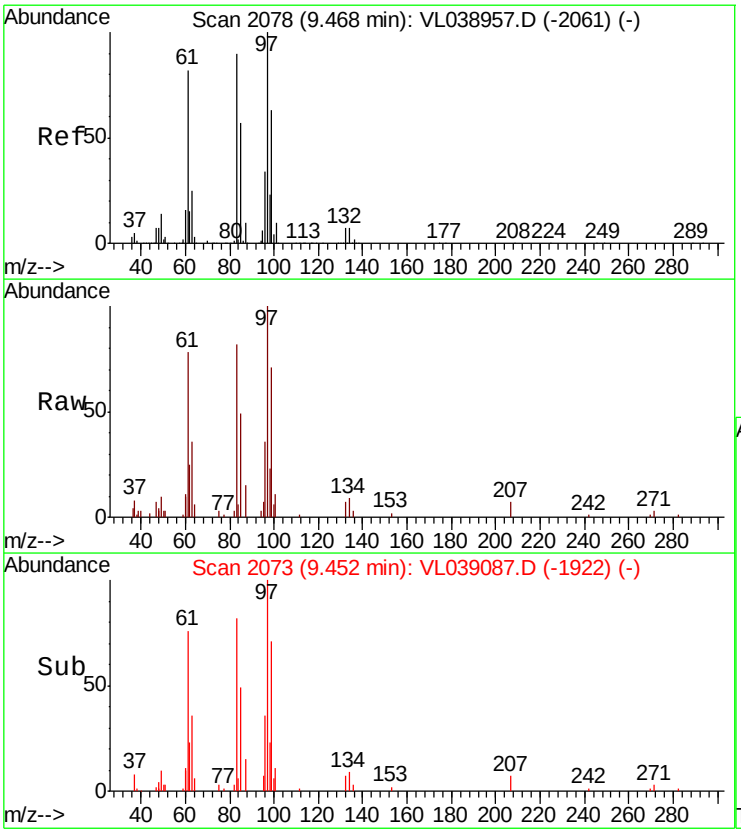
#46
cis-1,3-Dichloropropene
Concen: 0.202 ppbv
RT: 8.68
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 75 Resp: 22750

Ion	Ratio	Lower	Upper
75	100		
39	58.8	55.8	83.6
77	26.3	24.8	37.2

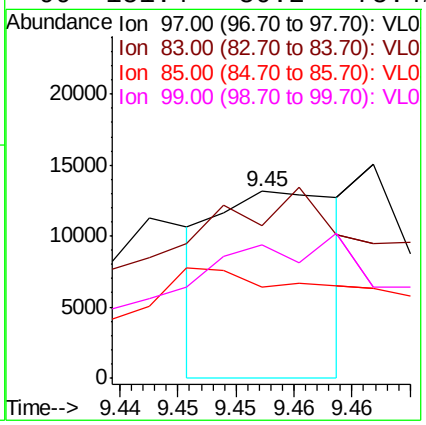


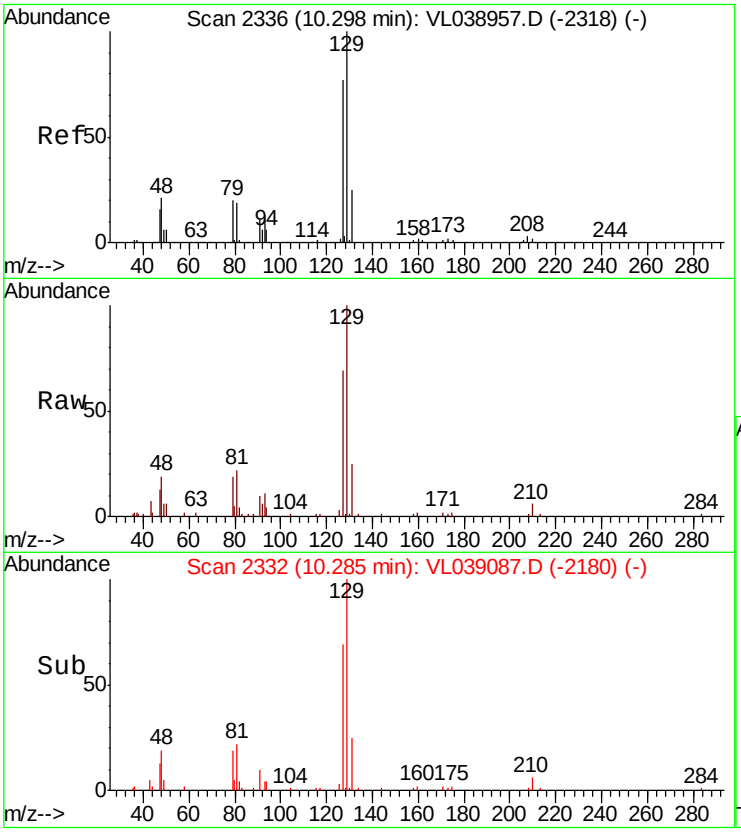


#47
1,1,2-Trichloroethane
Concen: 0.111 ppbv
RT: 9.45 min Scan# 2073
Delta R.T. -0.02 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 97 Resp: 9723

Ion	Ratio	Lower	Upper
97	100		
83	52.0	72.0	108.0#
85	0.0	45.7	68.5#
99	151.4	50.2	75.4#



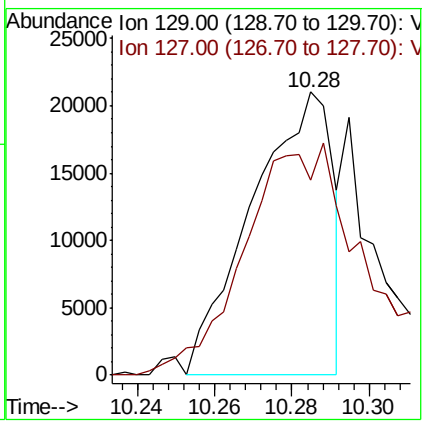


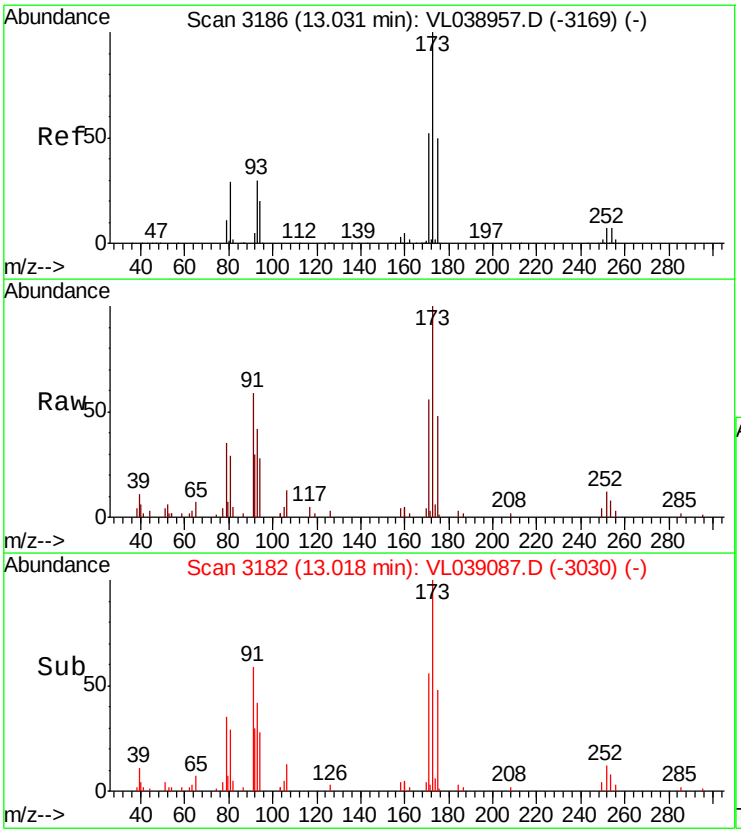
#48
Dibromochloromethane
Concen: 0.215 ppbv
RT: 10.28
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:129 Resp: 30560

Ion	Ratio	Lower	Upper
129	100		
127	123.5	39.3	117.9#

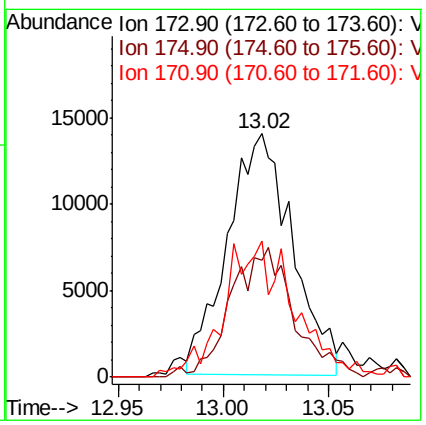


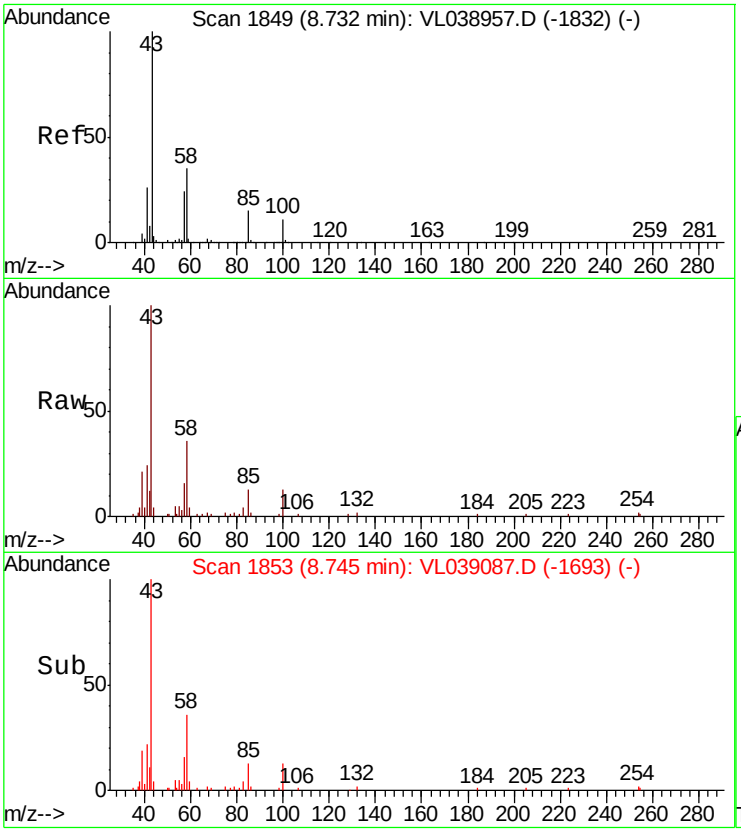


#49
Bromoform
Concen: 0.276 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:173 Resp: 29957

Ion	Ratio	Lower	Upper
173	100		
175	53.7	41.0	61.6
171	60.8	42.6	64.0



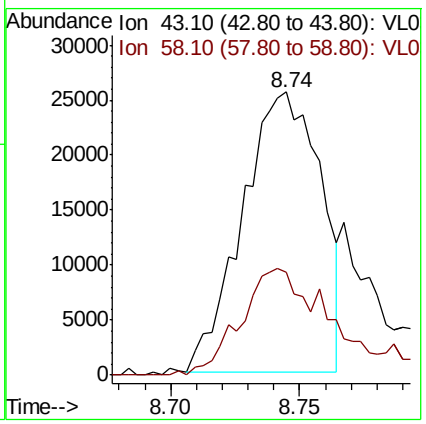


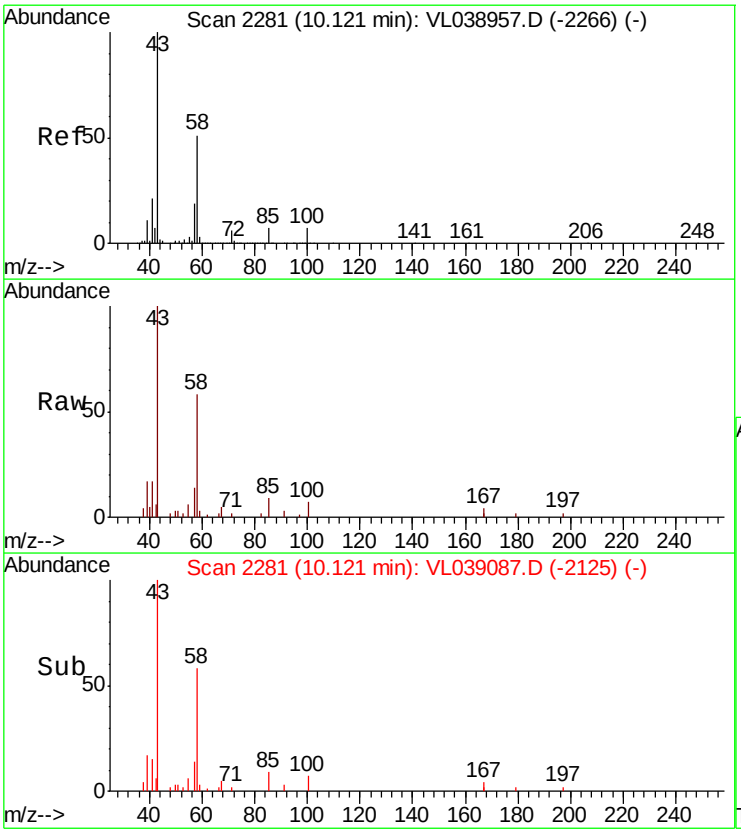
#50
4-Methyl-2-Pentanone
Concen: 0.239 ppbv
RT: 8.74
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 53855

Ion	Ratio	Lower	Upper
43	100		
58	48.0	28.4	42.6#

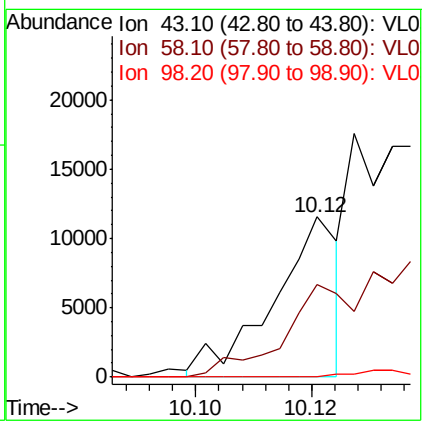


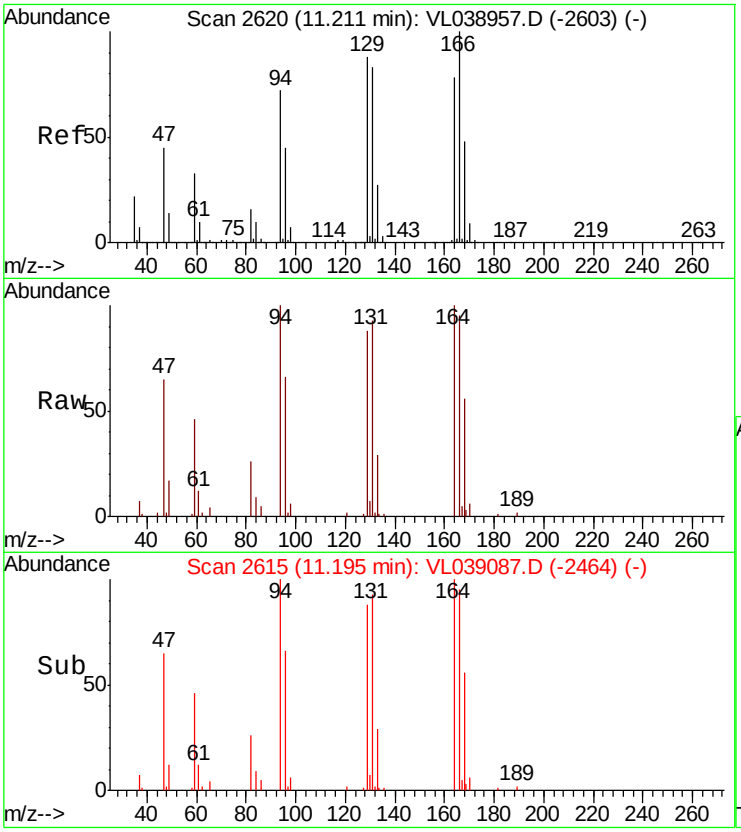


#51
2-Hexanone
Concen: 0.055 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 43 Resp: 9028

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.3	58.9#
98	0.0	0.2	0.2#



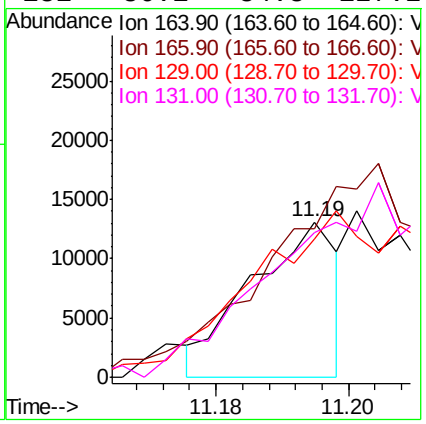


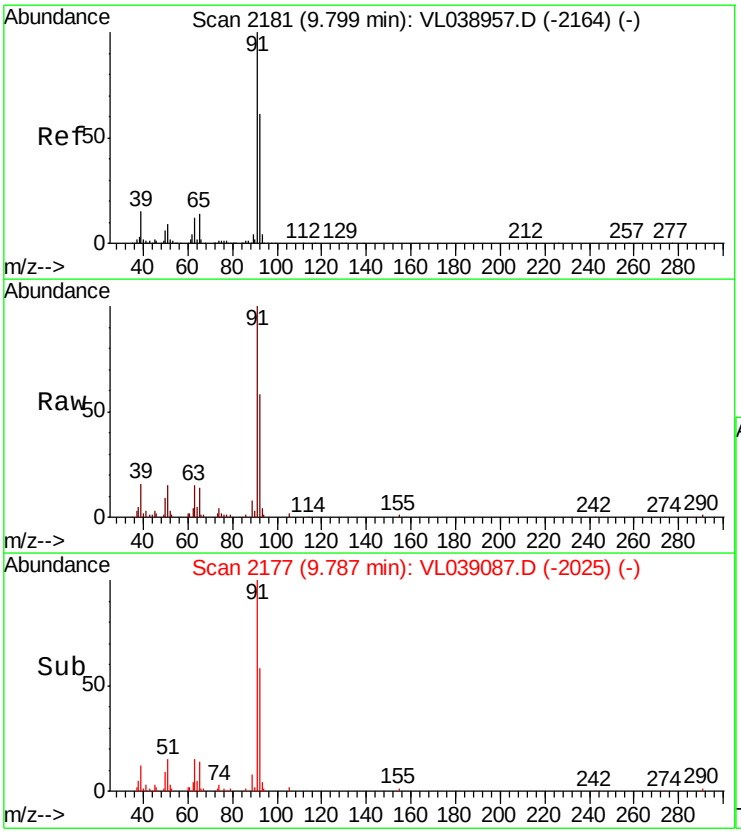
#52
Tetrachloroethene
Concen: 0.153 ppbv
RT: 11.19
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:164 Resp: 11766

Ion	Ratio	Lower	Upper
164	100		
166	91.0	102.5	153.7#
129	80.7	90.1	135.1#
131	86.1	84.8	127.2

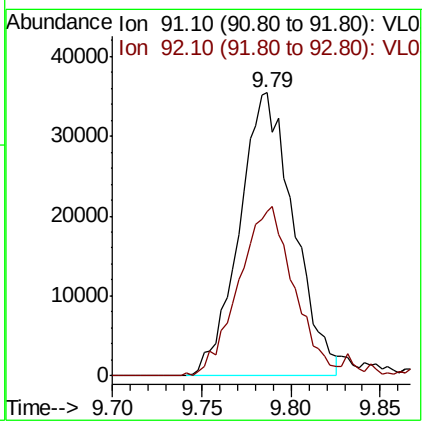


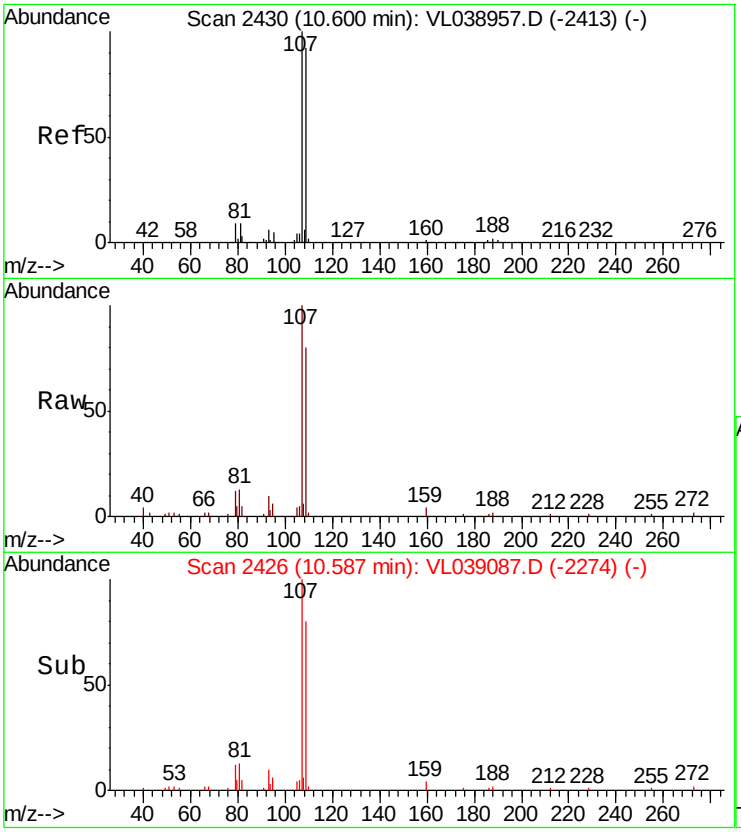


#53
Toluene
Concen: 0.313 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 91 Resp: 75783

Ion	Ratio	Lower	Upper
91	100		
92	63.1	48.2	72.2



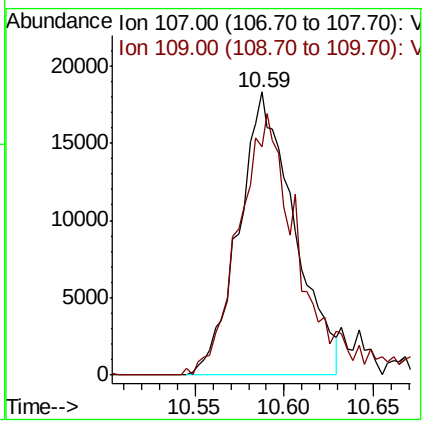


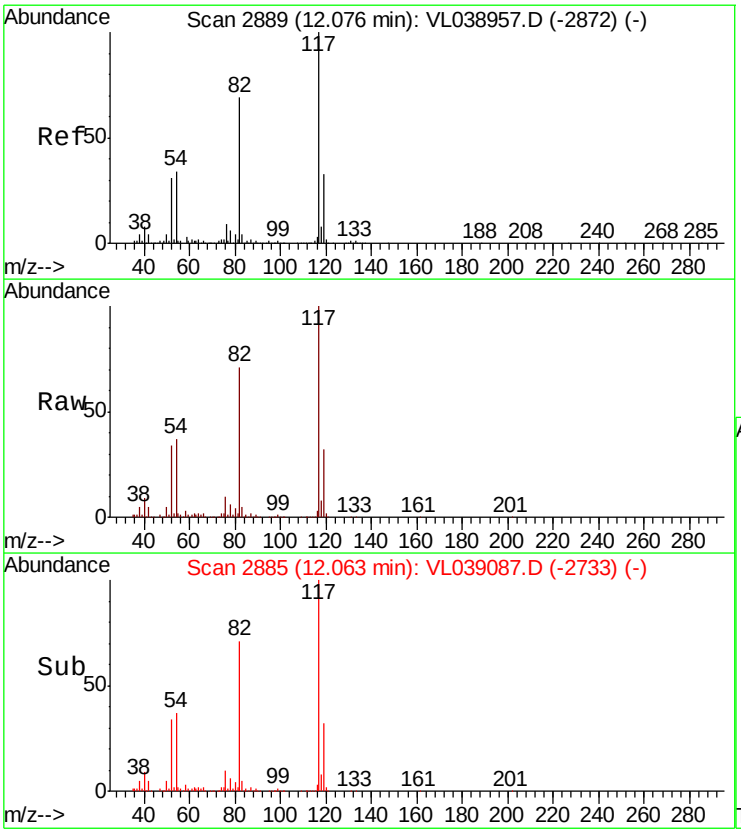
#54
1,2-Dibromoethane
Concen: 0.333 ppbv
RT: 10.59
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:107 Resp: 39529

Ion	Ratio	Lower	Upper
107	100		
109	78.1	73.8	110.8

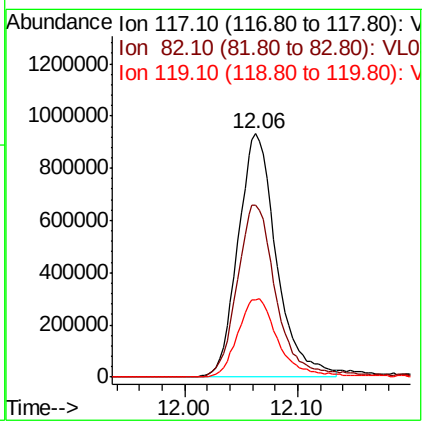


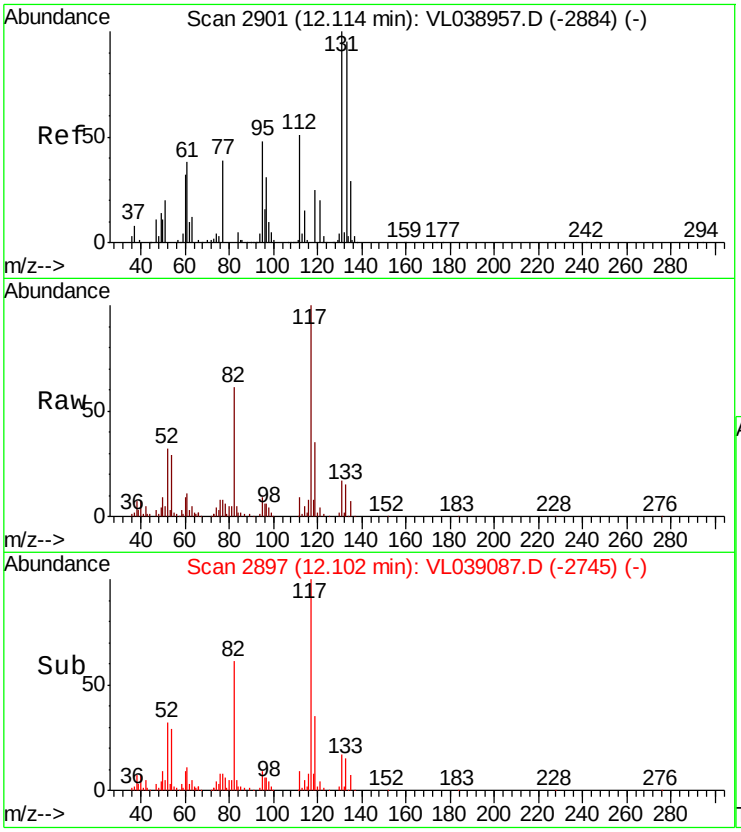


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:117 Resp: 2202932

Ion	Ratio	Lower	Upper
117	100		
82	74.3	57.0	85.6
119	34.2	27.2	40.8



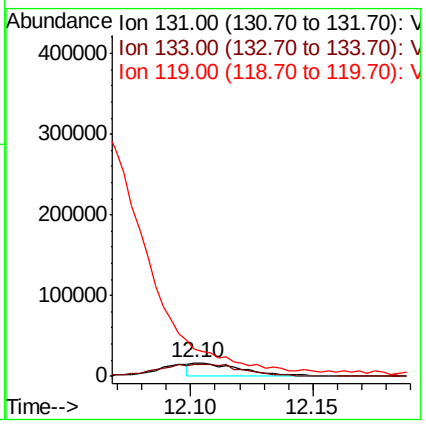


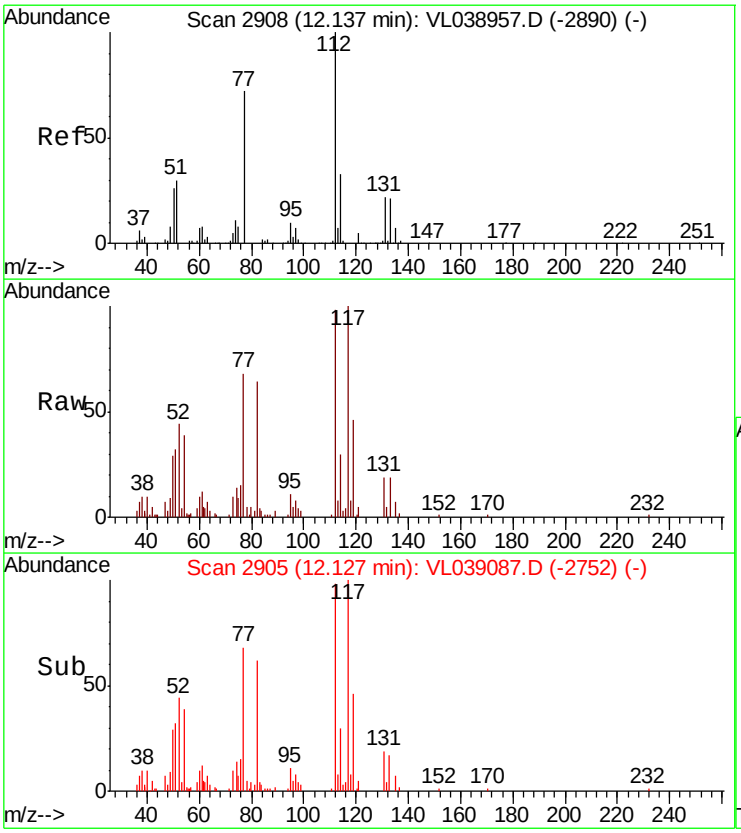
#56
1,1,1,2-Tetrachloroethane
Concen: 0.250 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:131 Resp: 24136

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.9	115.3#
119	0.0	47.4	71.0#

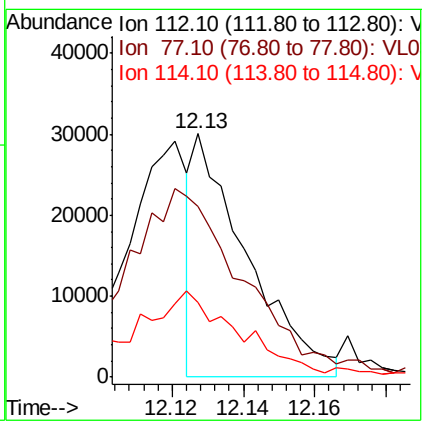


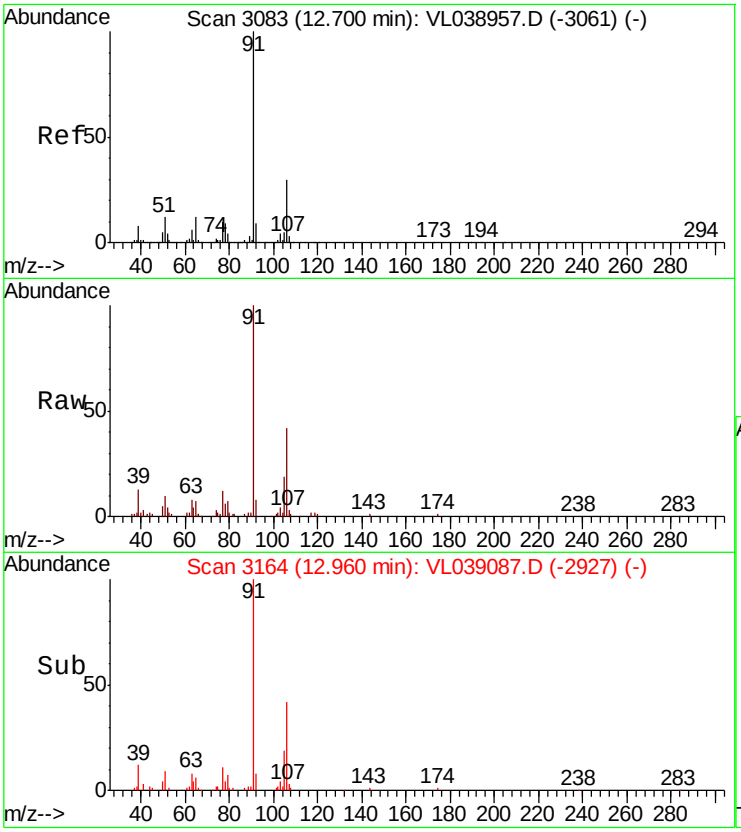


#57
Chlorobenzene
Concen: 0.190 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:112 Resp: 31448

Ion	Ratio	Lower	Upper
112	100		
77	70.5	57.7	86.5
114	32.3	30.1	36.7



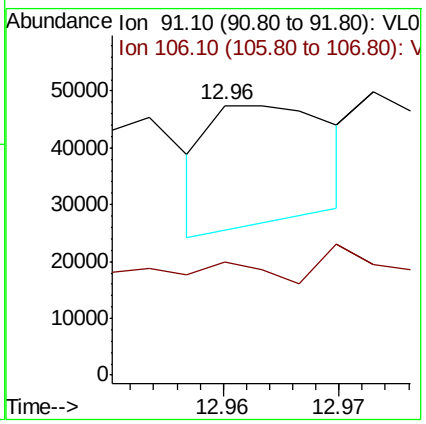


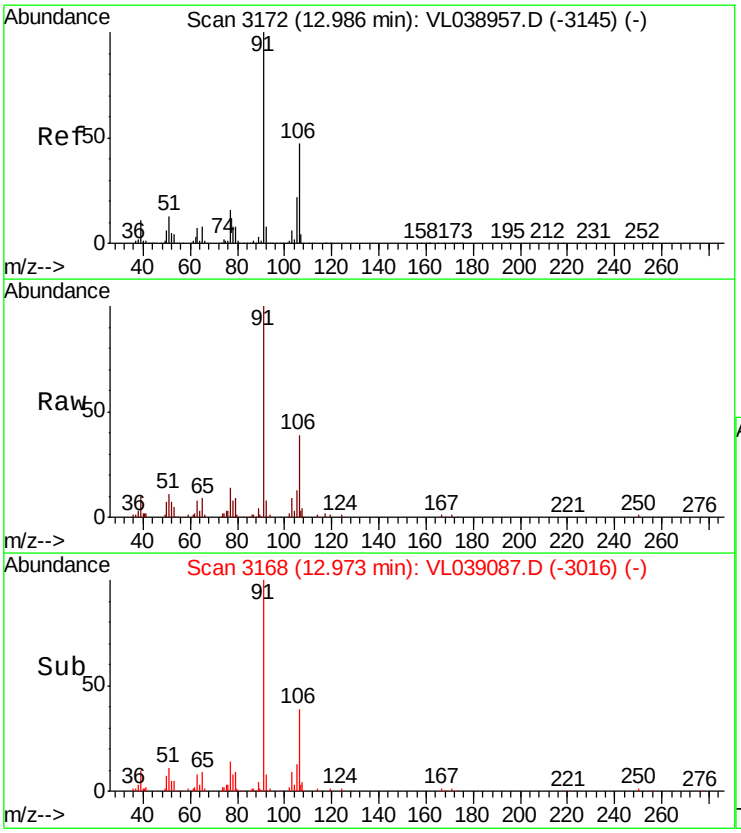
#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 15027

Ion	Ratio	Lower	Upper
91	100		
106	25.8	24.2	36.4

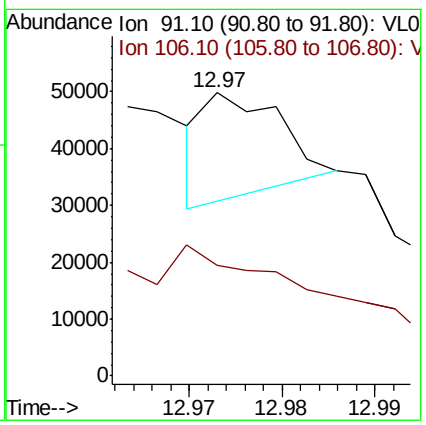


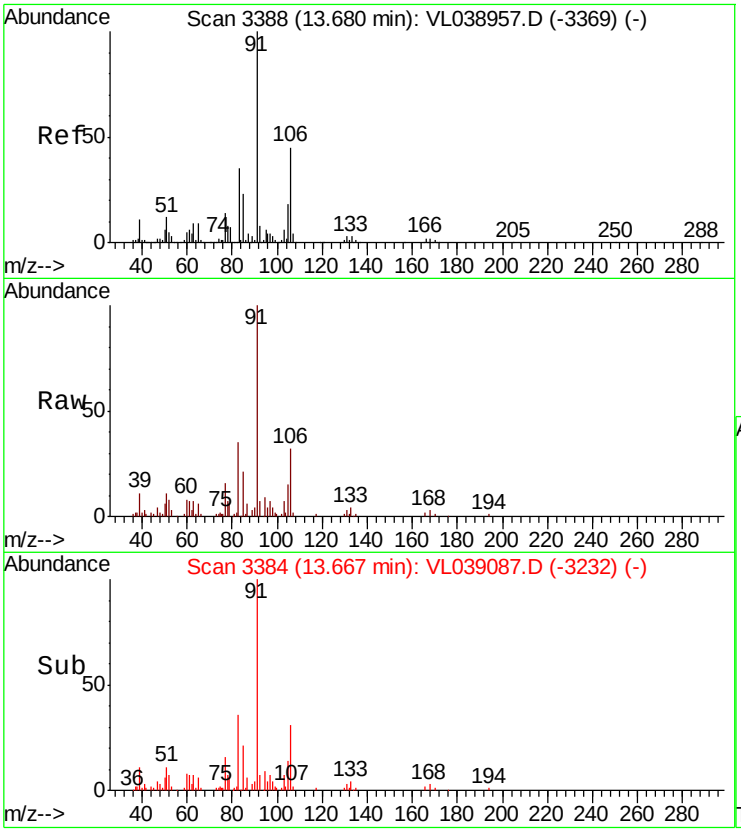


#59
m/p-Xylene
Concen: 0.039 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 91 Resp: 10445

Ion	Ratio	Lower	Upper
91	100		
106	760.1	34.6	52.0#



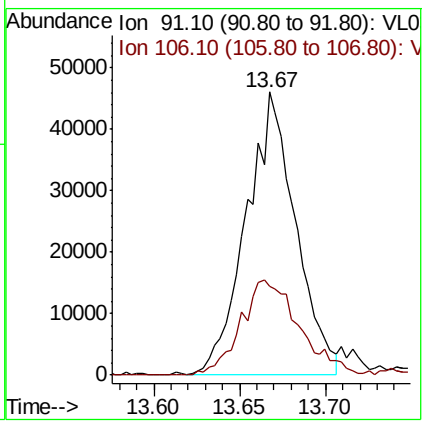


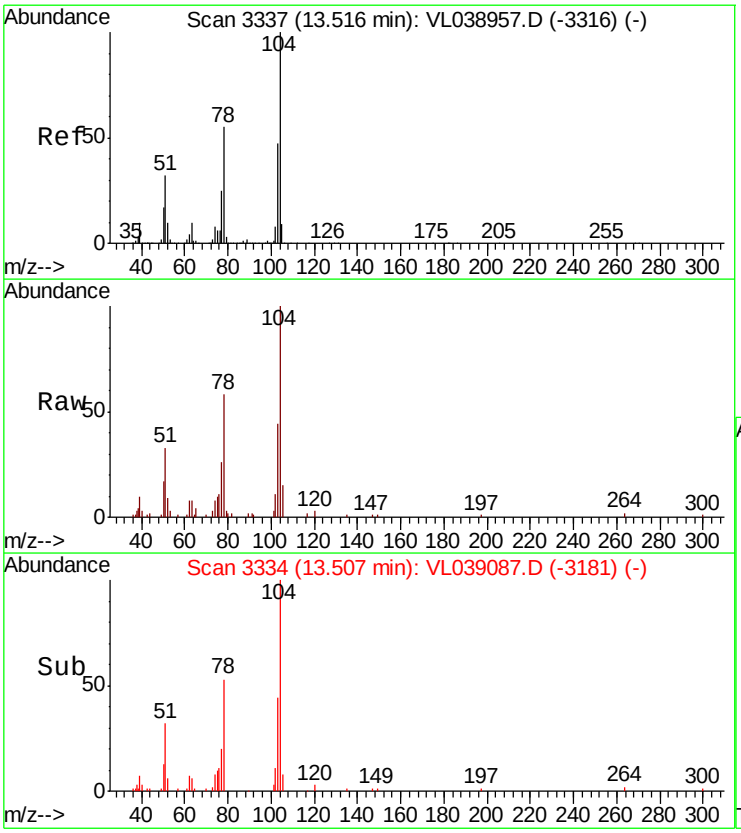
#60
o-Xylene
Concen: 0.359 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 91398

Ion	Ratio	Lower	Upper
91	100		
106	41.5	22.2	66.6

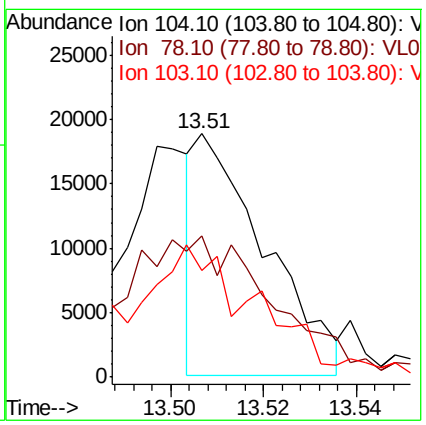


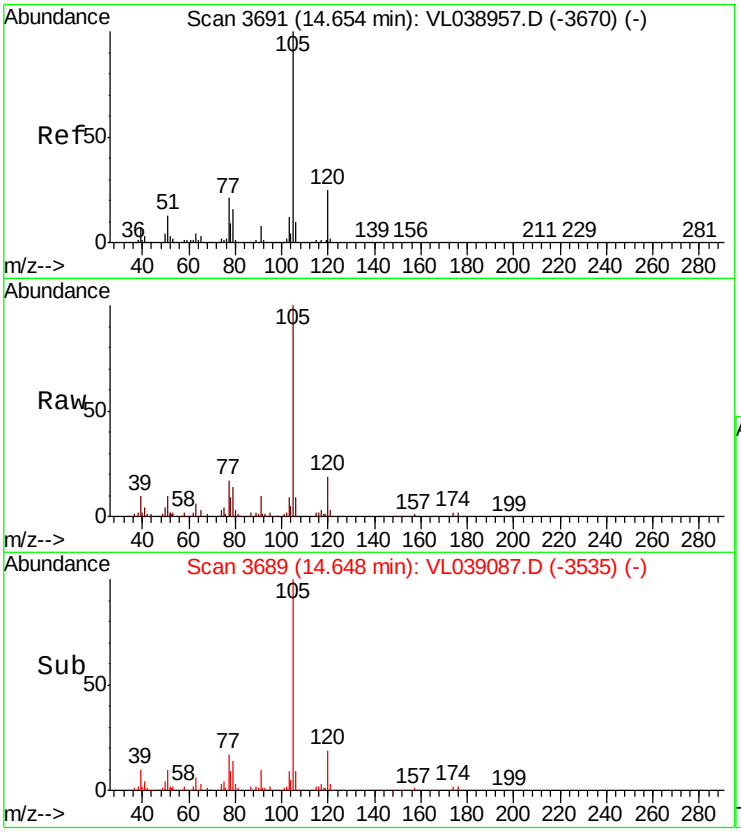


#61
Styrene
Concen: 0.143 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:104 Resp: 19482

Ion	Ratio	Lower	Upper
104	100		
78	138.5	46.4	69.6#
103	108.8	39.3	58.9#



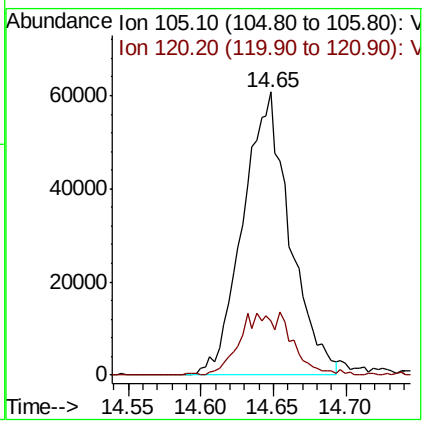


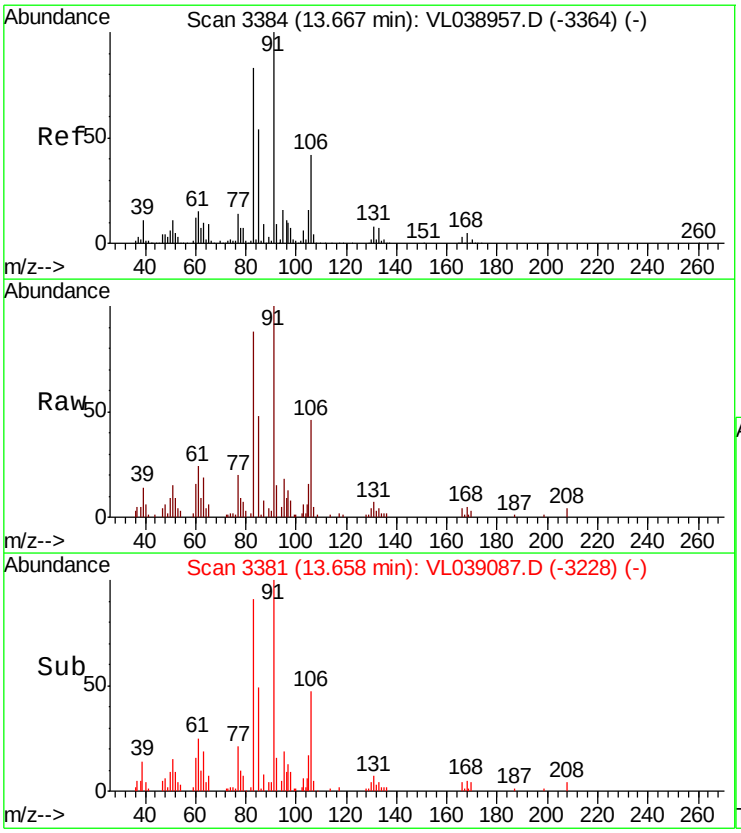
#62
Isopropylbenzene
Concen: 0.368 ppbv
RT: 14.65
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 136957

Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.5	30.7

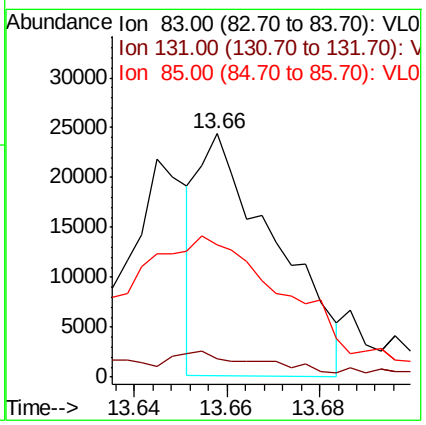


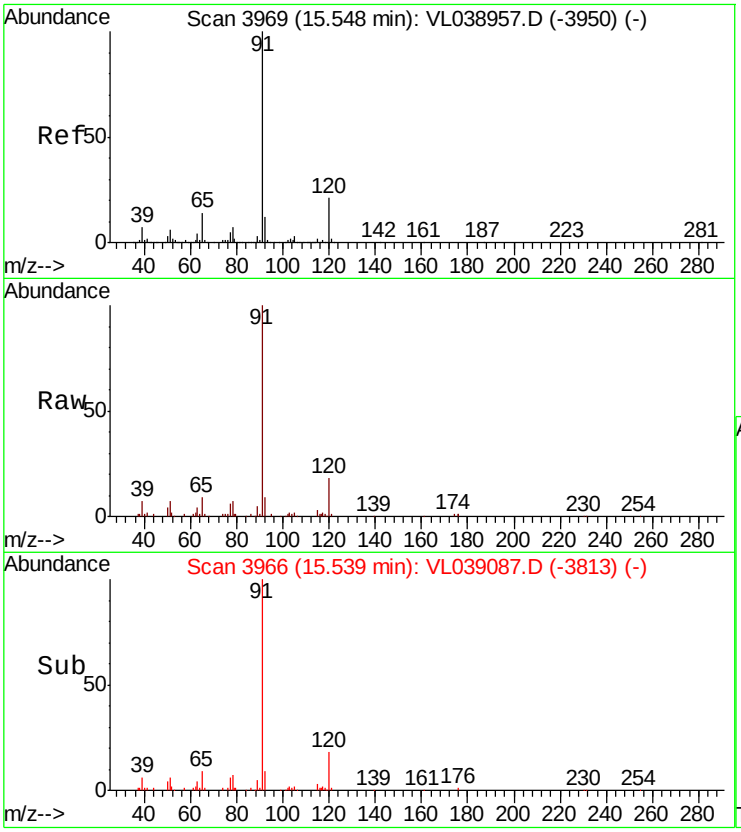


#63
1,1,2,2-Tetrachloroethane
Concen: 0.188 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 83 Resp: 28168

Ion	Ratio	Lower	Upper
83	100		
131	21.1	4.5	13.7#
85	134.8	32.8	98.3#



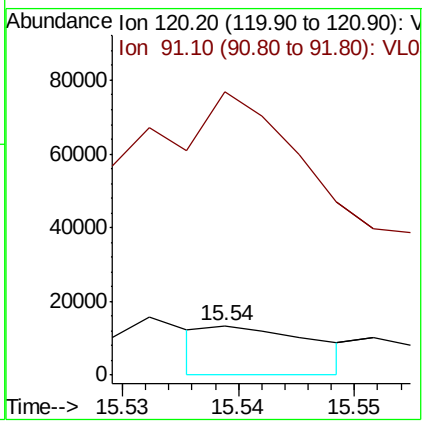


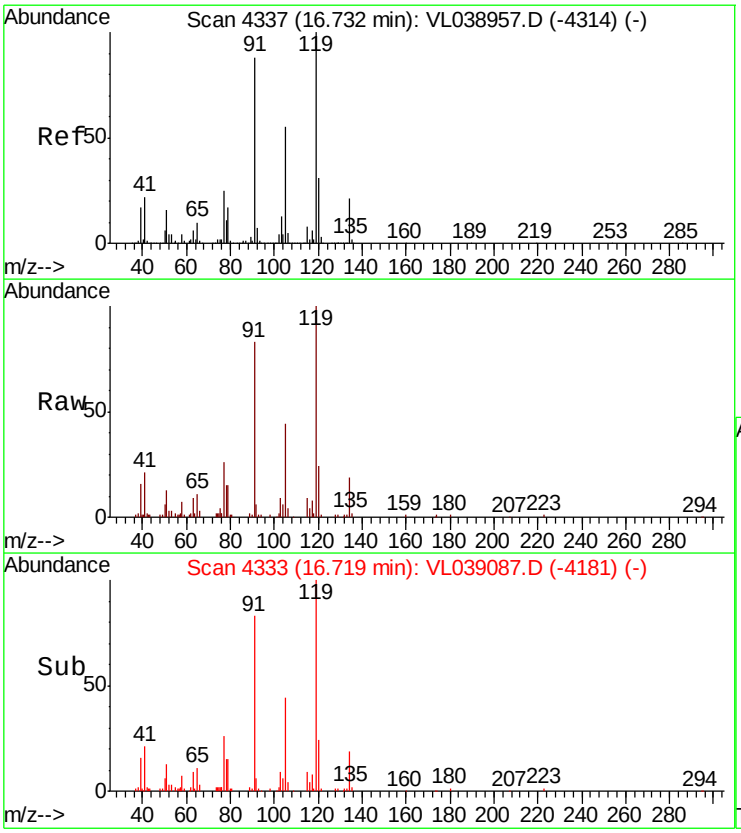
#64
n-propylbenzene
Concen: 0.095 ppbv
RT: 15.54
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:120 Resp: 8533

Ion	Ratio	Lower	Upper
120	100		
91	2115.8	400.6	601.0#

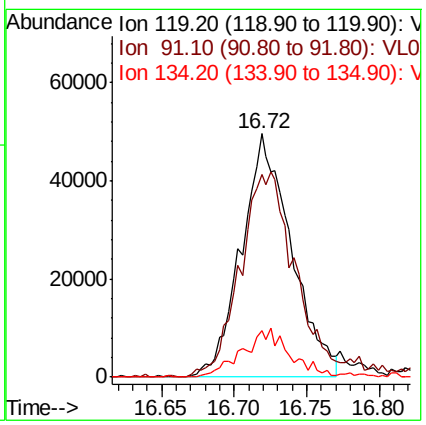


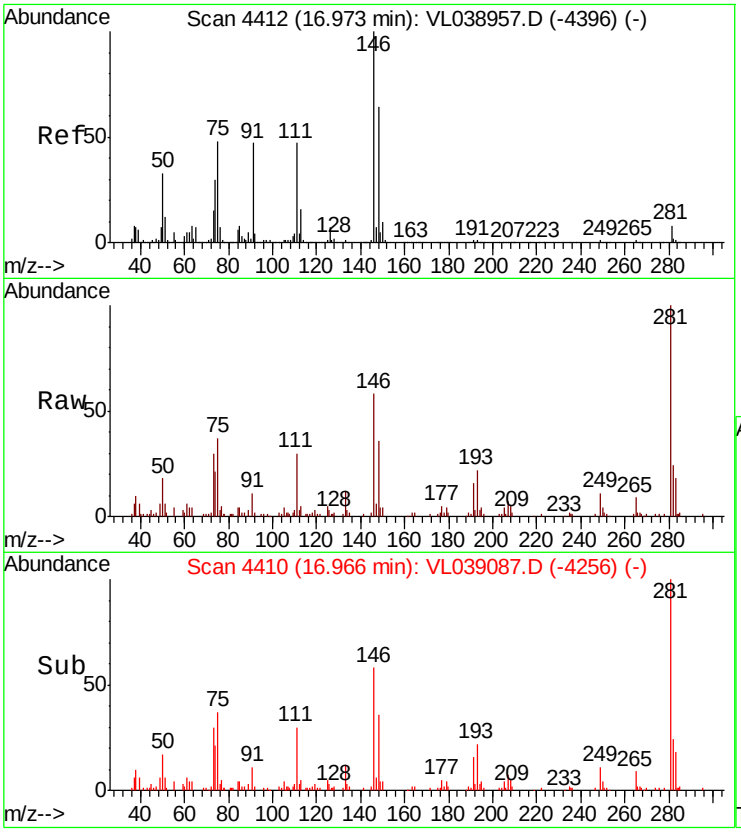


#65
tert-Butylbenzene
Concen: 0.365 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:119 Resp: 119180

Ion	Ratio	Lower	Upper
119	100		
91	97.9	69.4	104.2
134	19.5	15.8	23.8



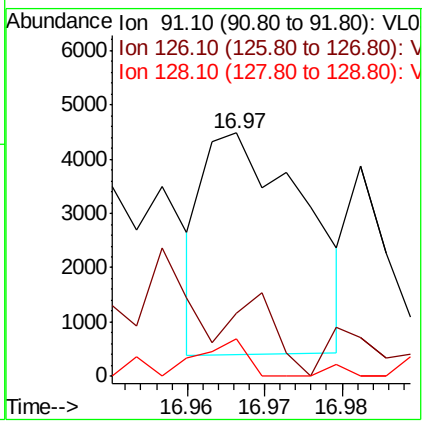


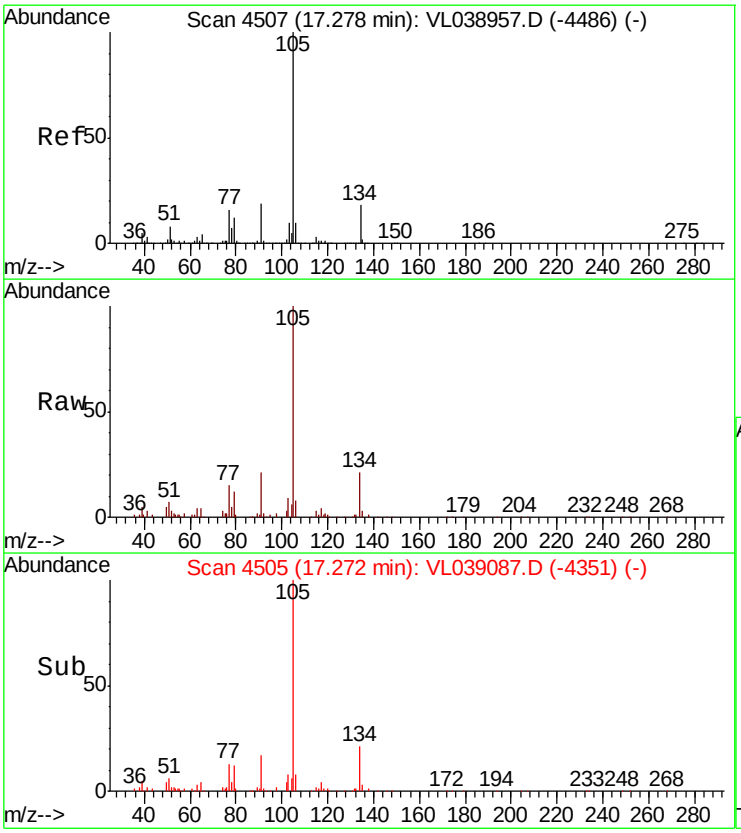
#66
Benzyl Chloride
Concen: 0.086 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 3673

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	17.6#
128	10.9	4.2	6.2#

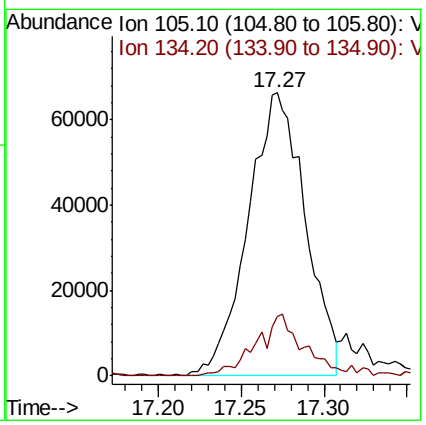


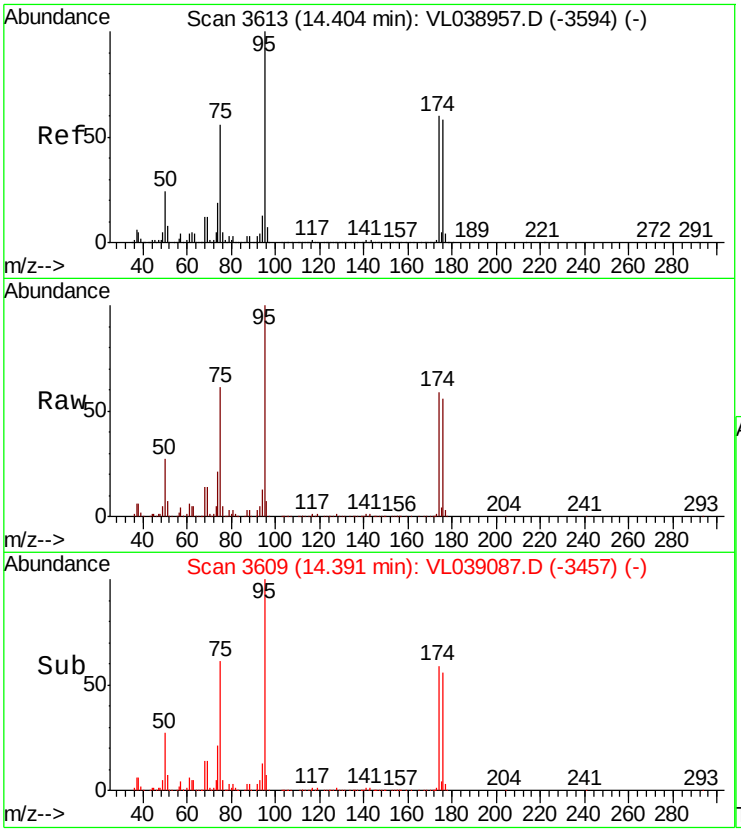


#67
sec-Butylbenzene
Concen: 0.342 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:105 Resp: 159578

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.2	21.4



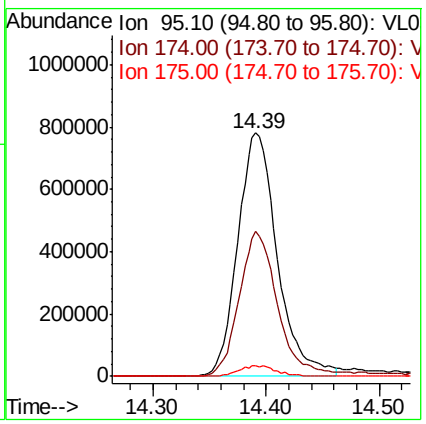


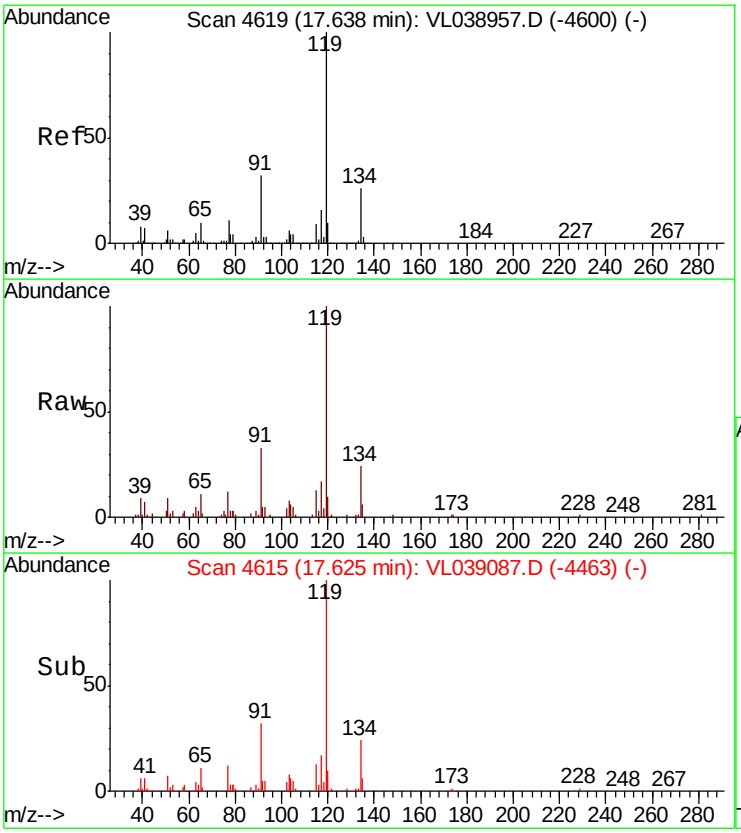
#68
1-Bromo-4-Fluorobenzene
Concen: 10.897 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 95 Resp: 1901026

Ion	Ratio	Lower	Upper
95	100		
174	60.7	50.8	76.2
175	4.4	3.8	5.6

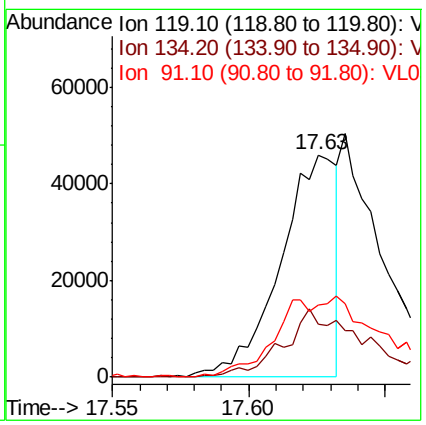


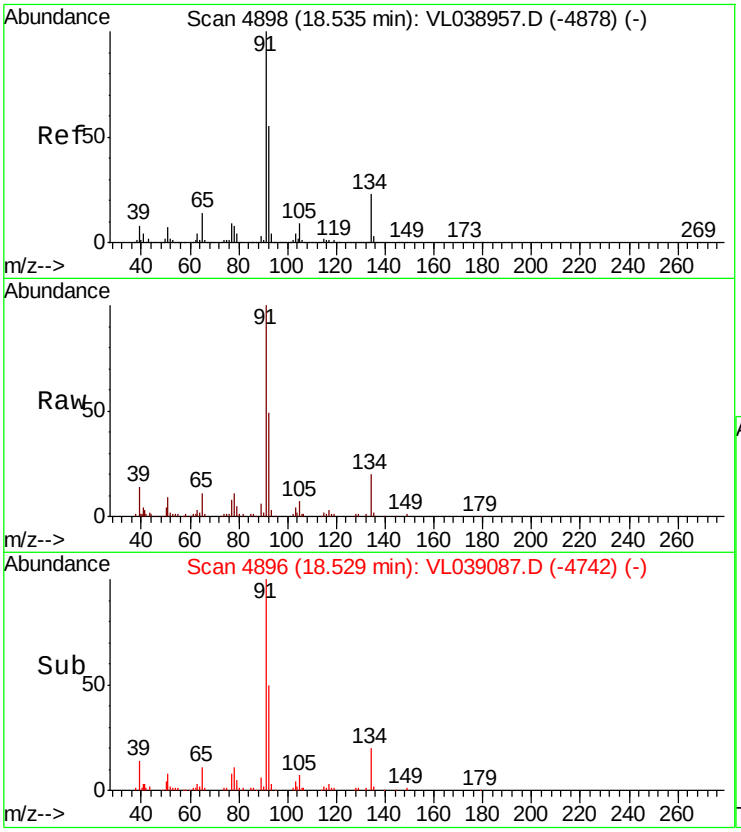


#69
p-Isopropyltoluene
Concen: 0.174 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:119 Resp: 65550

Ion	Ratio	Lower	Upper
119	100		
134	48.8	20.0	30.0#
91	0.0	24.8	37.2#



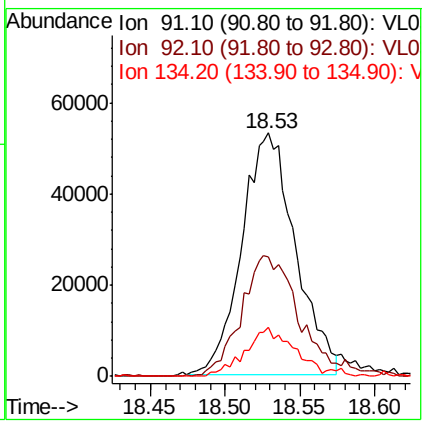


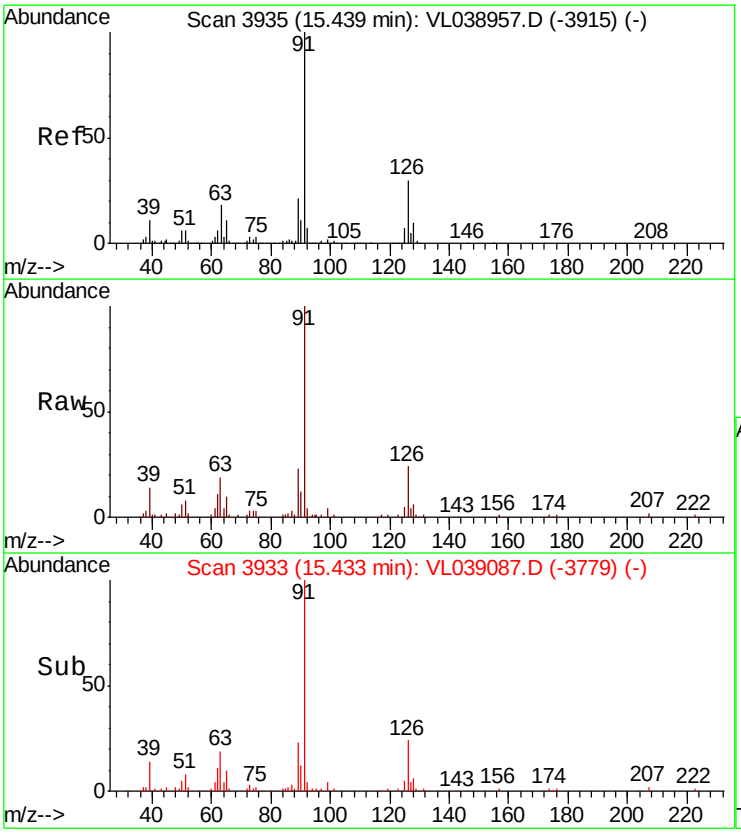
#70
n-Butylbenzene
Concen: 0.330 ppbv
RT: 18.53
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 132224

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.1	64.7
134	19.1	17.0	25.4

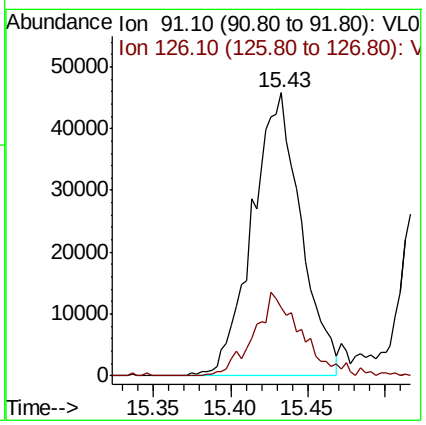


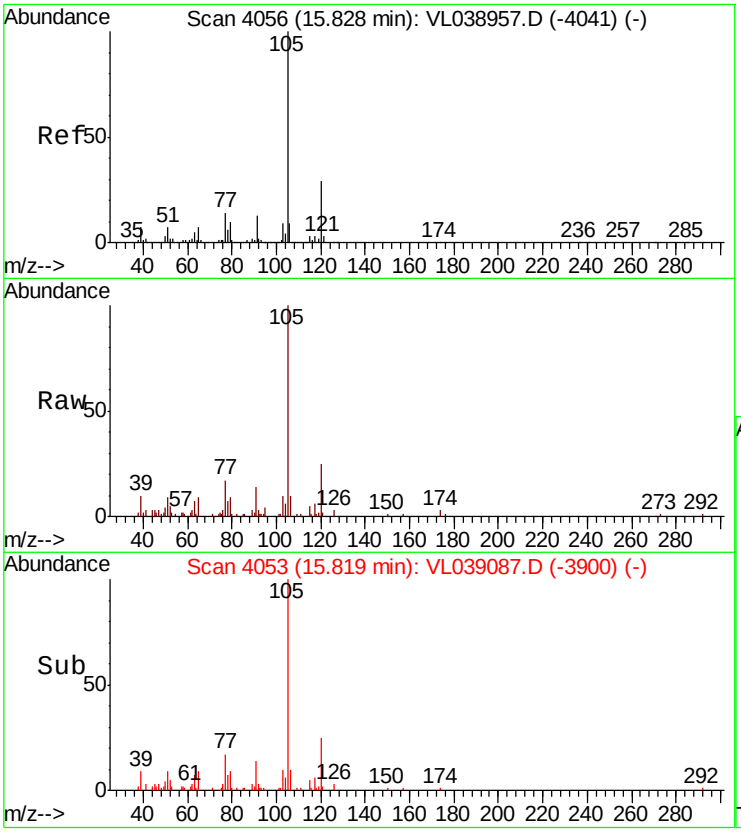


#71
2-Chlorotoluene
Concen: 0.350 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion: 91 Resp: 100439

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.9	47.5



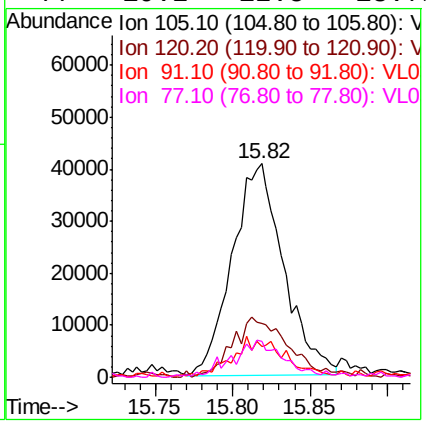


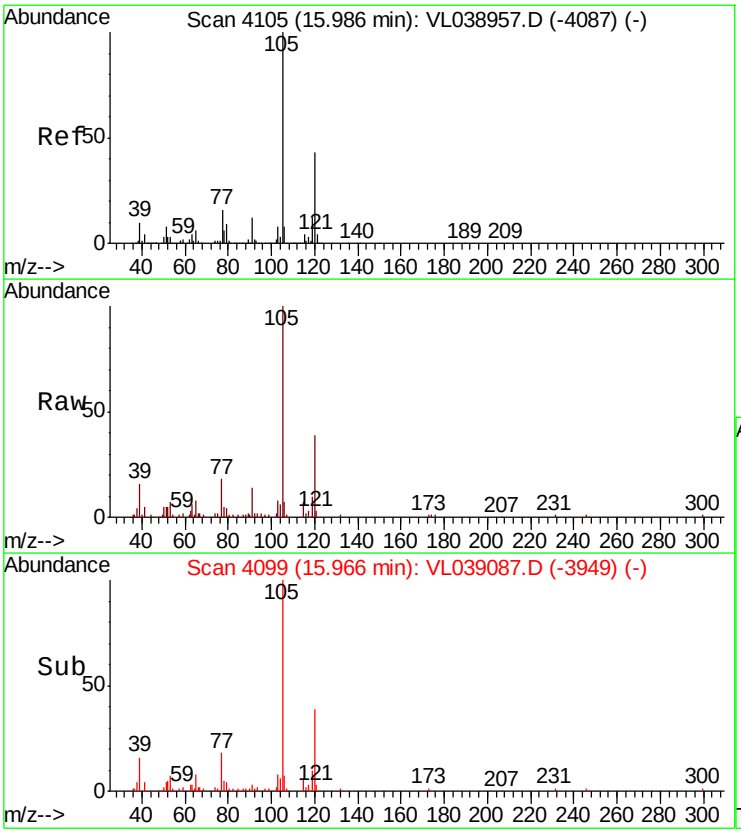
#72
4-Ethyltoluene
Concen: 0.324 ppbv
RT: 15.82
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 93999

Ion	Ratio	Lower	Upper
105	100		
120	31.3	23.4	35.0
91	21.2	10.6	16.0#
77	19.2	12.5	18.7#

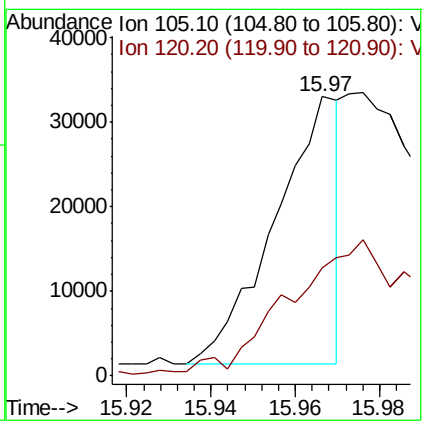


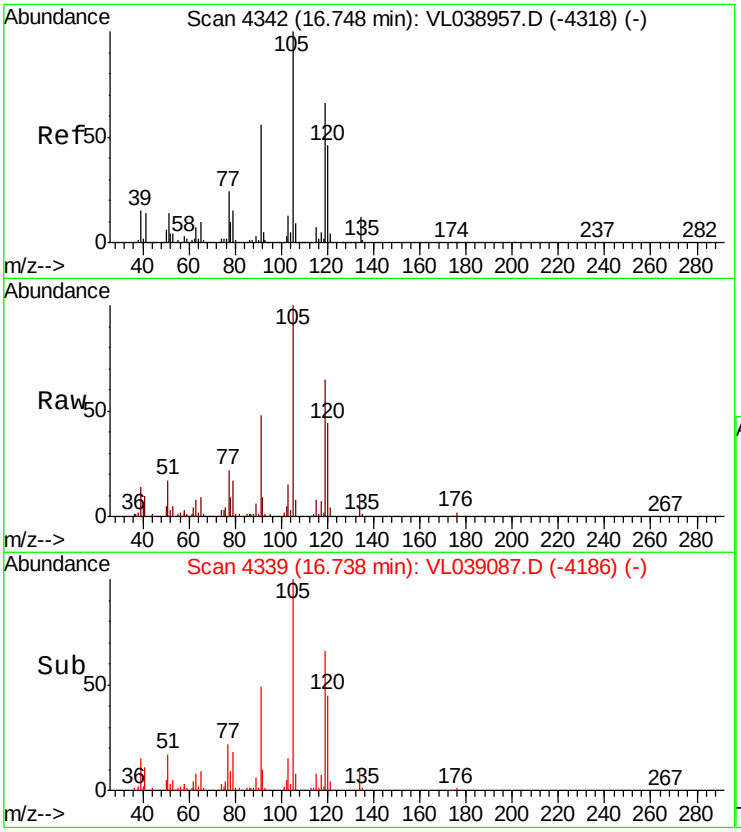


#73
1,3,5-Trimethylbenzene
Concen: 0.128 ppbv
RT: 15.97 min Scan# 4099
Delta R.T. -0.02 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:105 Resp: 33494

Ion	Ratio	Lower	Upper
105	100		
120	42.6	34.4	51.6



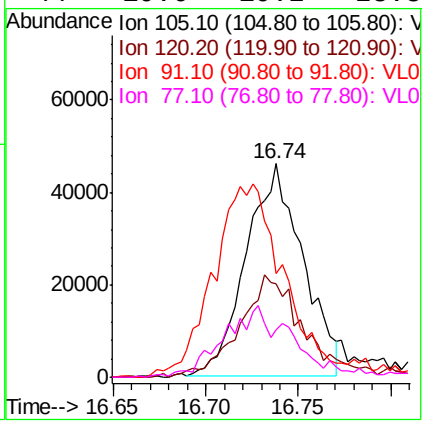


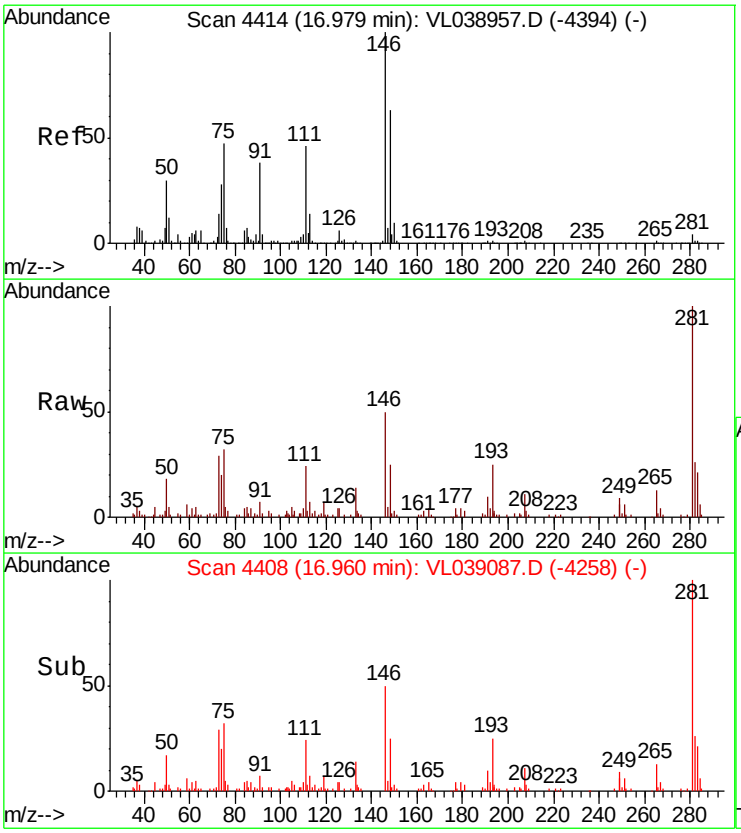
#74
1,2,4-Trimethylbenzene
Concen: 0.341 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 97448

Ion	Ratio	Lower	Upper
105	100		
120	41.3	36.9	55.3
91	41.8	45.0	67.4#
77	19.6	19.2	28.8

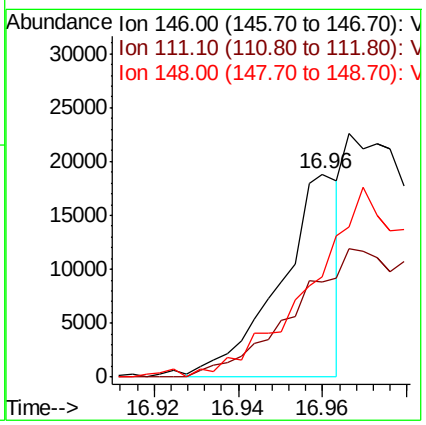


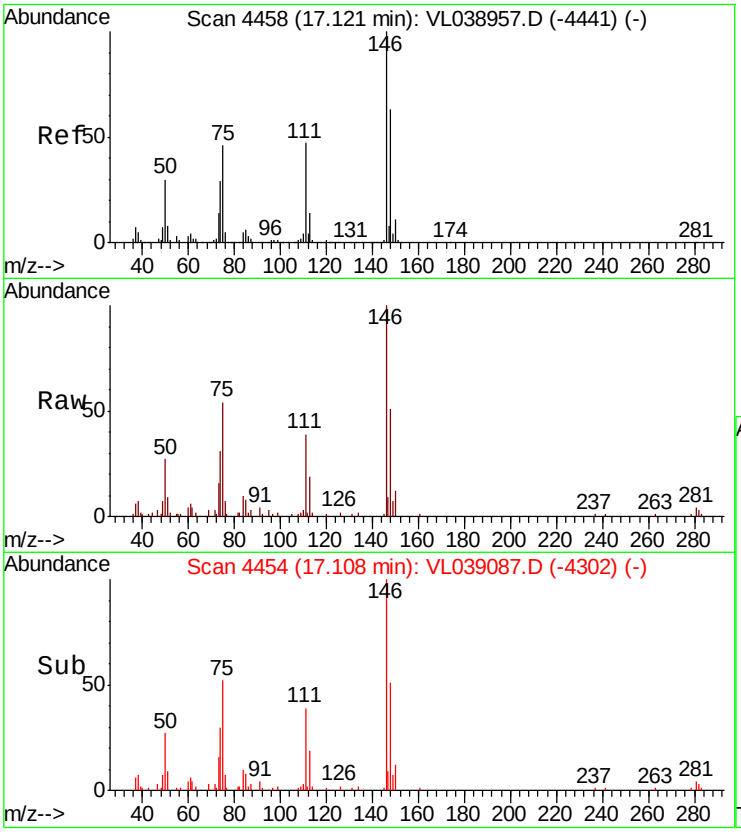


#75
1,3-Dichlorobenzene
Concen: 0.117 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.02 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:146 Resp: 18333

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.2#
148	0.0	32.4	97.2#



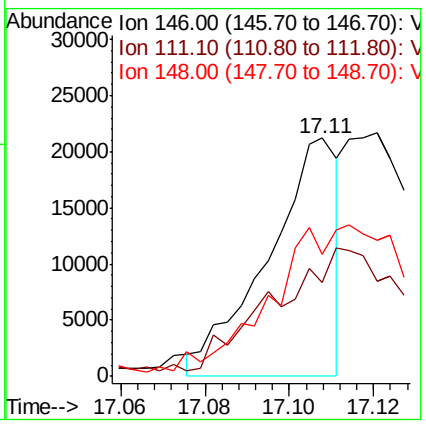


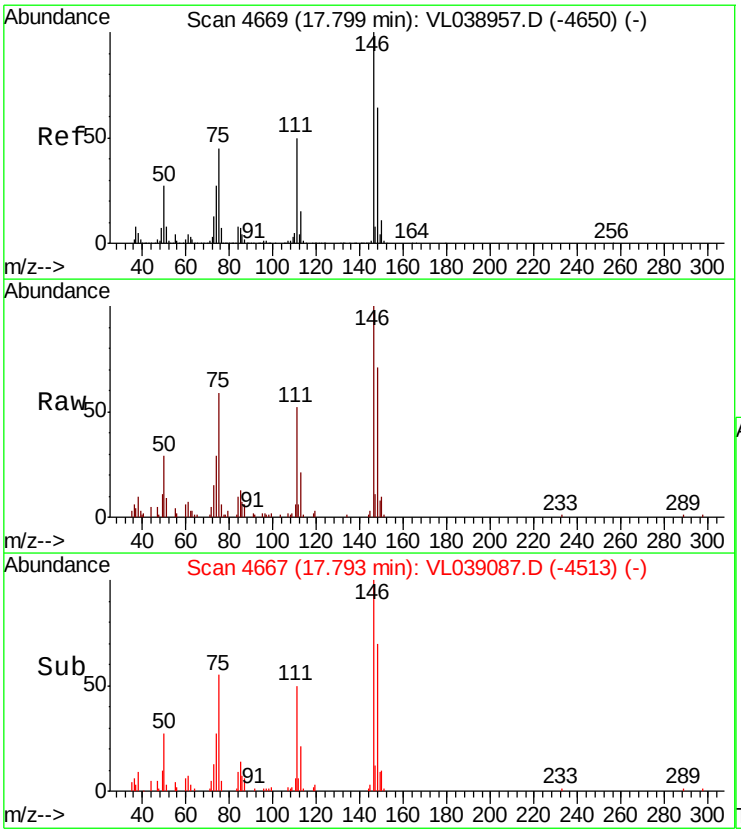
#76
1,4-Dichlorobenzene
Concen: 0.158 ppbv
RT: 17.11
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 24426

Ion	Ratio	Lower	Upper
146	100		
111	124.7	23.6	71.0#
148	149.6	32.2	96.6#

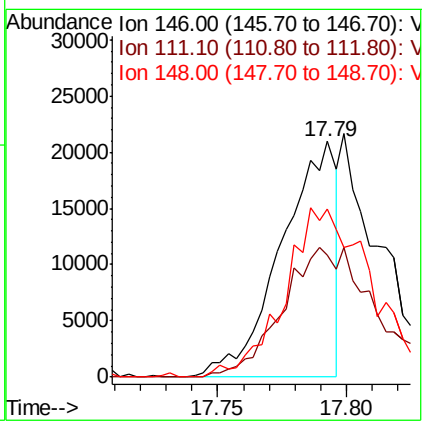


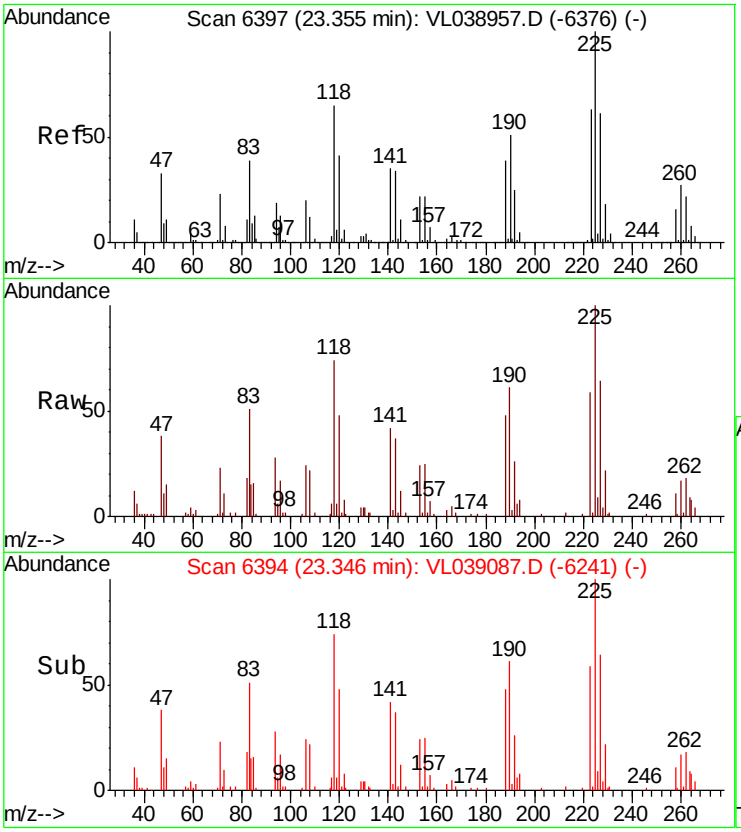


#77
1,2-Dichlorobenzene
Concen: 0.200 ppbv
RT: 17.79 min Scan# 4667
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:146 Resp: 31057

Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.3	75.9#
148	125.4	32.3	96.9#



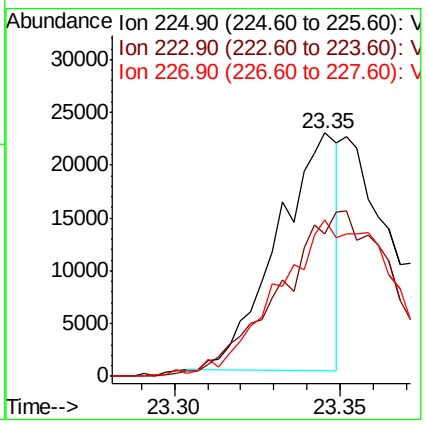


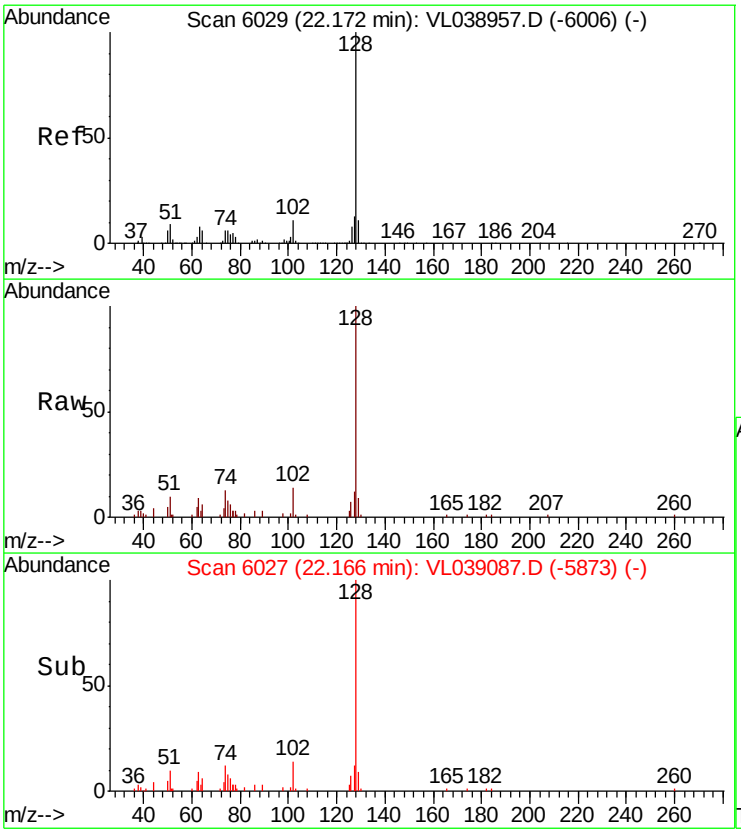
#78
Hexachloro-1,3-Butadiene
Concen: 0.200 ppbv
RT: 23.35
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:225 Resp: 28533

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.4	77.0#
227	136.2	51.4	77.0#

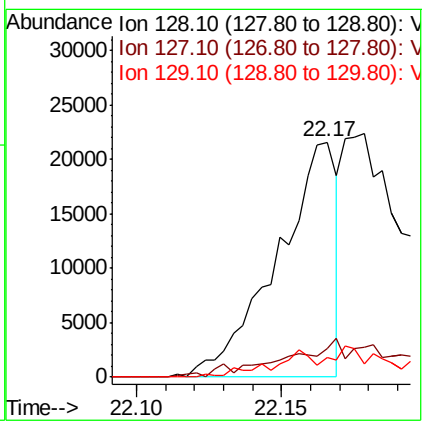


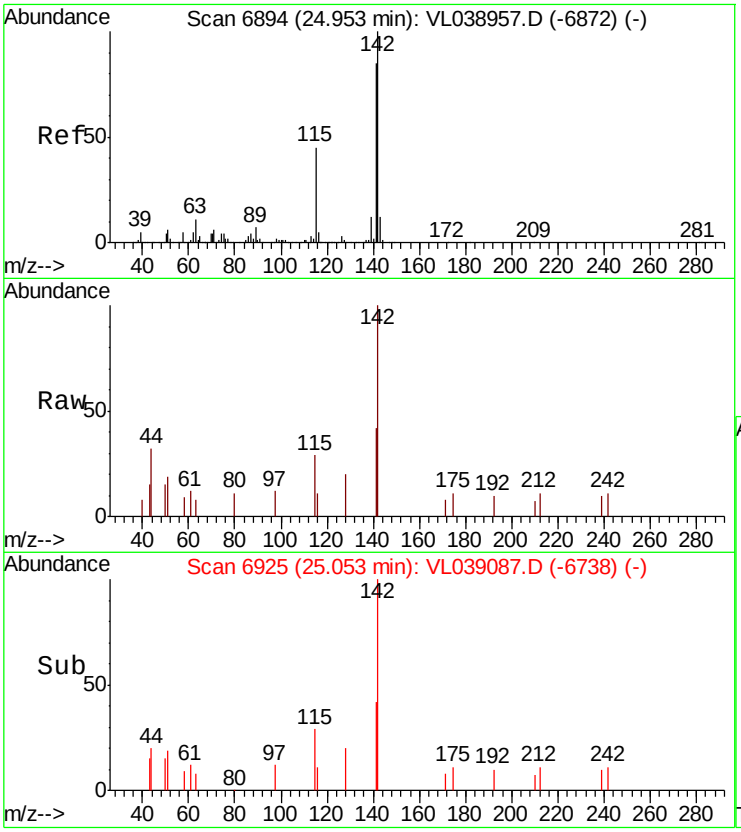


#79
Naphthalene
Concen: 0.132 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:128 Resp: 30565

Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	8.5	8.9	13.3#



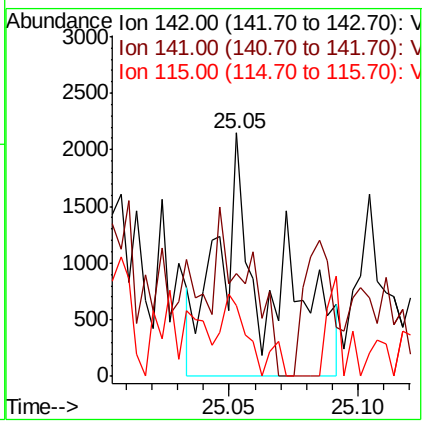


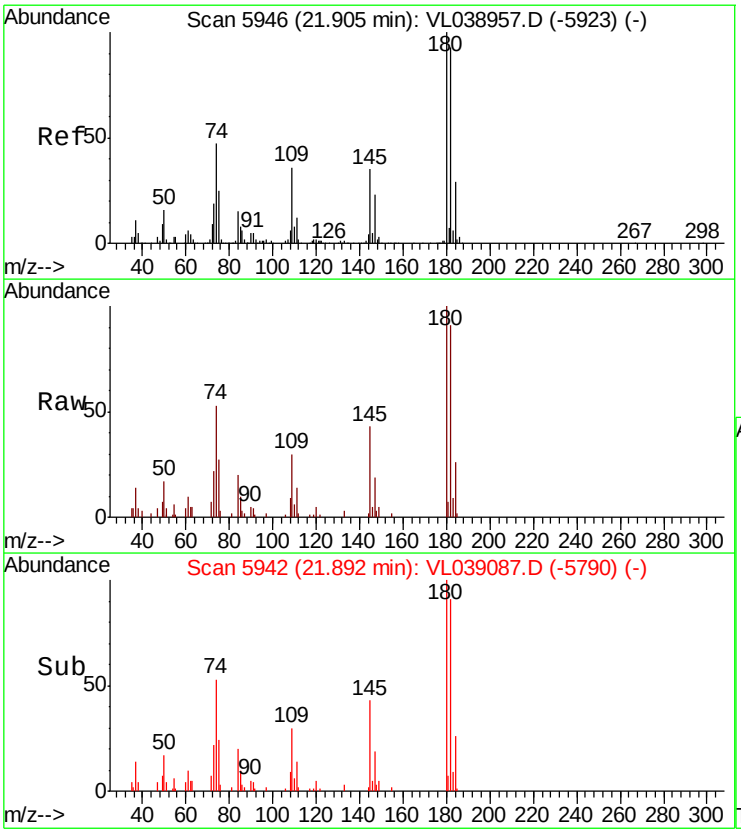
#80
Naphthalene,2-methyl-
Concen: 0.041 ppbv
RT: 25.05
Delta R.T
Lab File:
Acq: 23 May 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:142 Resp: 2904

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	37.9	35.1	52.7





#81
1,2,4-Trichlorobenzene
Concen: 0.166 ppbv
RT: 21.89 min Scan# 5942
Delta R.T. -0.01 min
Lab File: VL039087.D
Acq: 23 May 2022 16:23

Tgt Ion:180 Resp: 22649

Ion	Ratio	Lower	Upper
180	100		
182	178.2	78.4	117.6#
184	61.4	24.4	36.6#