Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
Data File : VL038237.D
Acq On : 29 Dec 2021 17:59
Operator : SY/AP
Sample : M5217-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 29 19:58:04 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	667920	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1797414	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	1469146	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1165135	10.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	30849	0.245	ppbv		94
3) Chlorodifluoromethane	2.97	51	1269485	9.045	ppbv	#	62
4) Chloromethane	3.15	50	11953	0.246	ppbv	#	86
9) Propene	3.21	41	87098	1.787	ppbv		97
10) Heptane	8.13	43	32237	0.261	ppbv		98
11) Trichlorofluoromethane	3.96	101	23918	0.207	ppbv		98
13) Ethanol	3.64	45	1215758	147.147	ppbv	#	100
15) Acetone	3.86	43	605227	9.029	ppbv		90
16) 1,3-Butadiene	3.32	39	20778	0.455	ppbv	#	56
17) tert-Butyl alcohol	4.33	59	3187	0.043	ppbv	#	71
19) Isopropyl Alcohol	4.01	45	31722	0.759	ppbv	#	1
20) Methylene Chloride	4.35	84	5572305	147.236	ppbv		96
21) Allyl Chloride	4.41	41	5444	0.096	ppbv	#	26
23) Vinyl Acetate	5.07	43	3914	0.043	ppbv	#	1
25) Ethyl Acetate	5.69	43	1938771	10.675	ppbv	#	76
26) Hexane	5.69	57	2748925	30.168	ppbv	#	45
27) Carbon Disulfide	4.56	76	2757	0.034	ppbv	#	1
29) Chloroform	5.76	83	40457	0.299	ppbv		97
30) Cyclohexane	7.13	84	9199	0.114	ppbv	#	1
34) 2-Butanone	5.26	43	25938	0.480	ppbv	#	49
35) Carbon Tetrachloride	7.02	117	6803	0.061	ppbv	#	74
36) Benzene	6.90	78	120968	0.722	ppbv		94
38) Trichloroethene	7.84	130	1955	0.031	ppbv	#	46
39) 1,2-Dichloropropane	7.18	63	472124	7.317	ppbv	#	25
41) Tetrahydrofuran	6.32	42	43926	1.110	ppbv	#	37
44) 2,2,4-Trimethylpentane	7.87	57	104716	0.368	ppbv		93
51) 2-Hexanone	10.14	43	1602	0.034	ppbv	#	1
52) Tetrachloroethene	11.22	164	2359	0.038	ppbv	#	75
53) Toluene	9.81	91	236882	1.224	ppbv		100
58) Ethyl Benzene	12.72	91	23353	0.102	ppbv		98
59) m/p-Xylene	12.97	91	156344	0.802	ppbv		98
60) o-Xylene	13.69	91	52821	0.292	ppbv		97
61) Styrene	13.53	104	2841	0.031	ppbv	#	1
62) Isopropylbenzene	14.67	105	7800	0.031	ppbv		97
74) 1,2,4-Trimethylbenzene	16.77	105	48971	0.250	ppbv	#	74
79) Naphthalene	22.21	128	3235	0.032	ppbv	#	87

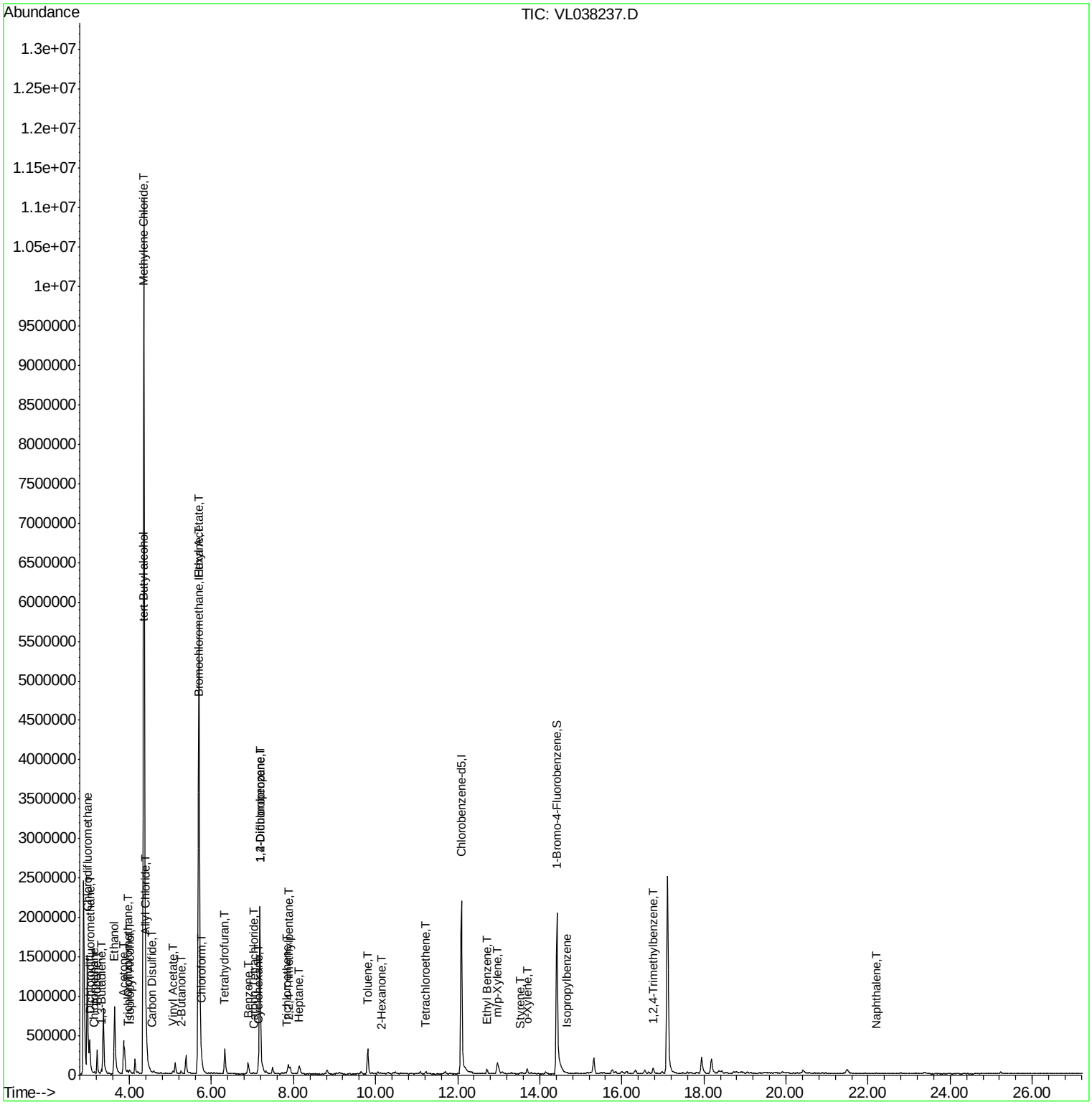
(#) = qualifier out of range (m) = manual integration (+) = signals summed

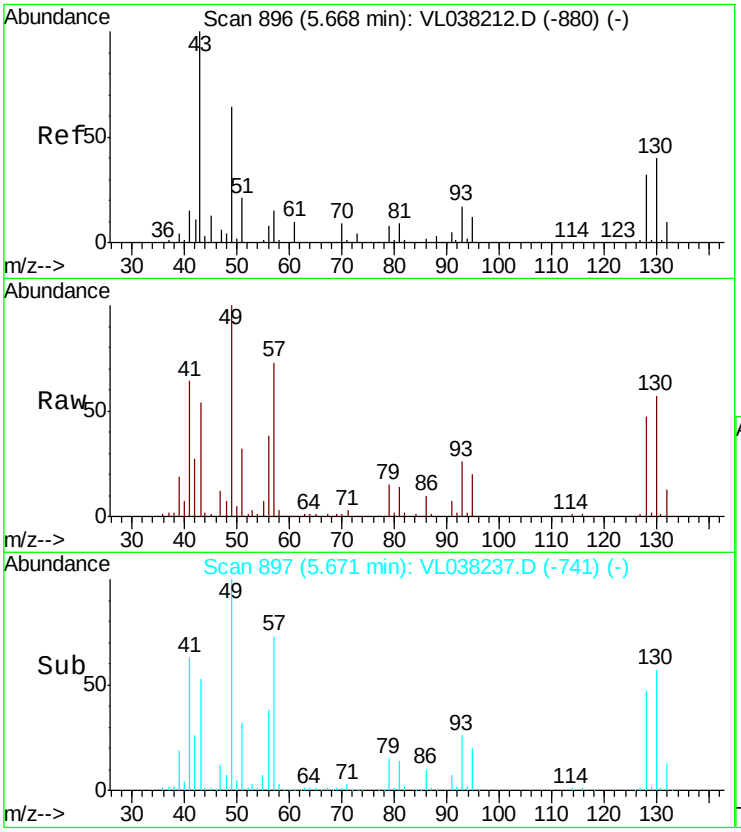
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
Data File : VL038237.D
Acq On : 29 Dec 2021 17:59
Operator : SY/AP
Sample : M5217-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 29 19:58:04 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration



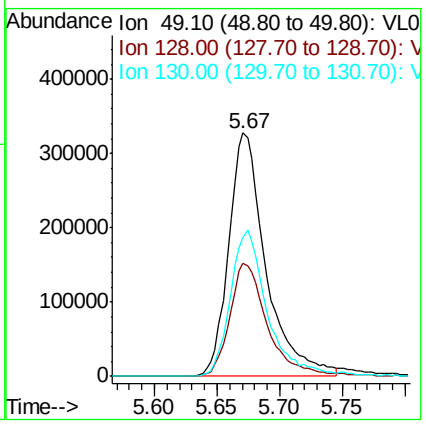


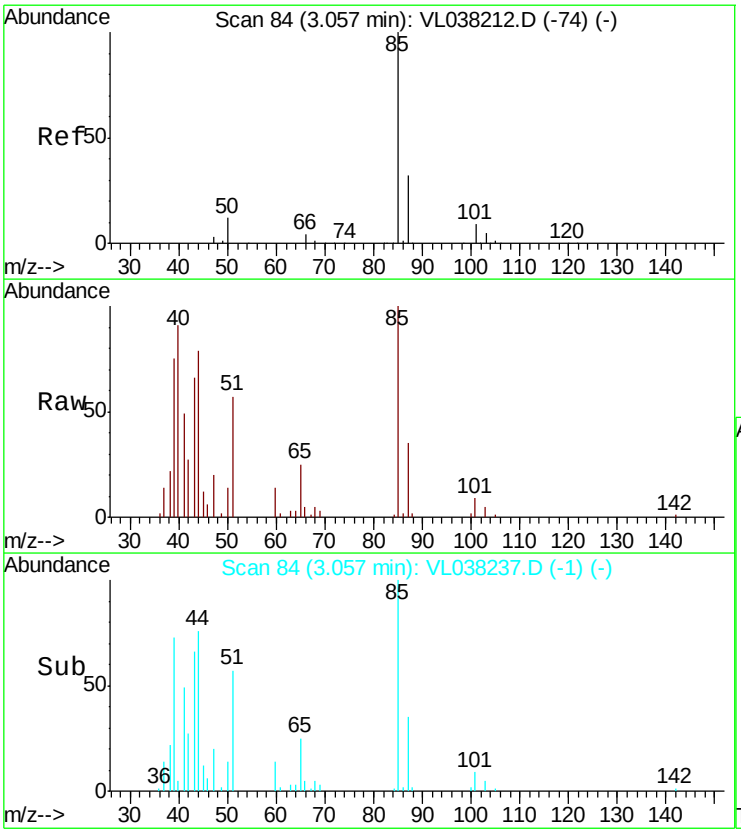
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 667920

Ion	Ratio	Lower	Upper
49	100		
128	48.3	26.9	80.6
130	61.3	32.3	96.9

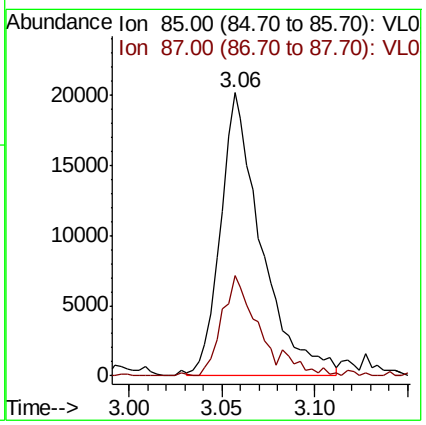


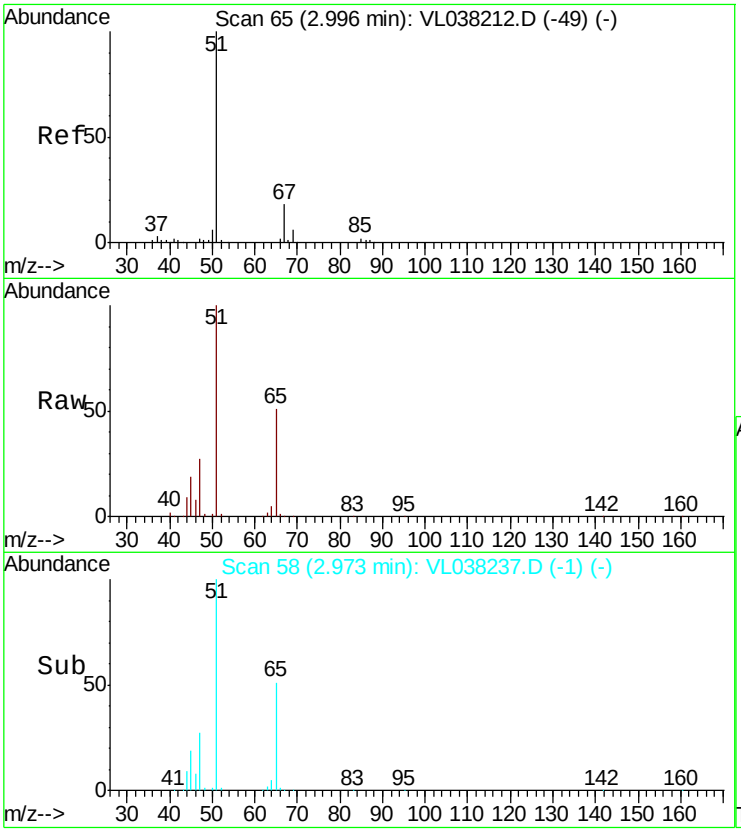


#2
Dichlorodifluoromethane
Concen: 0.245 ppbv
RT: 3.06 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 85 Resp: 30849

Ion	Ratio	Lower	Upper
85	100		
87	34.9	25.4	38.2



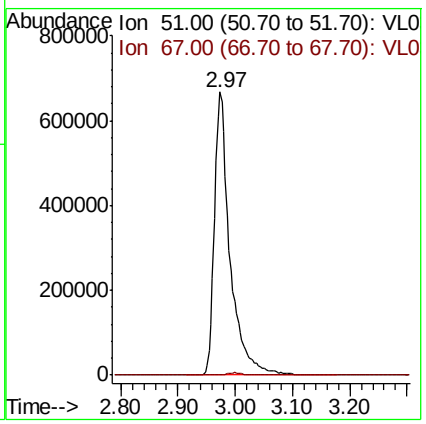


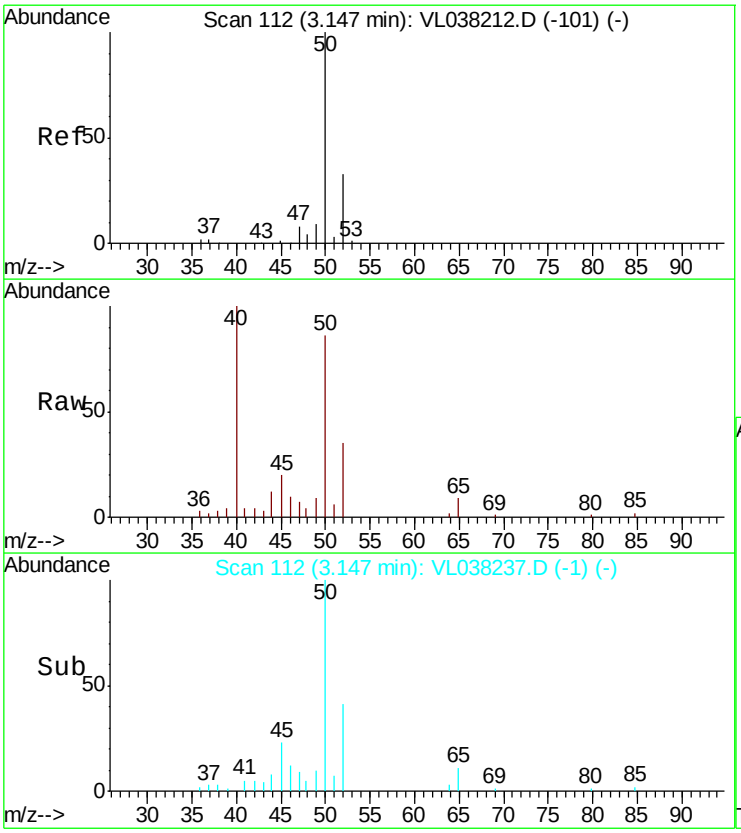
#3
Chlorodifluoromethane
Concen: 9.045 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1269485

Ion	Ratio	Lower	Upper
51	100		
67	0.9	14.0	21.0#

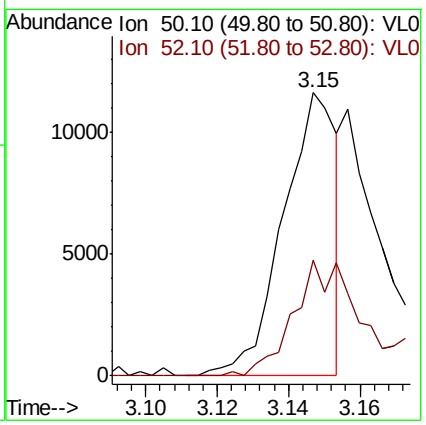


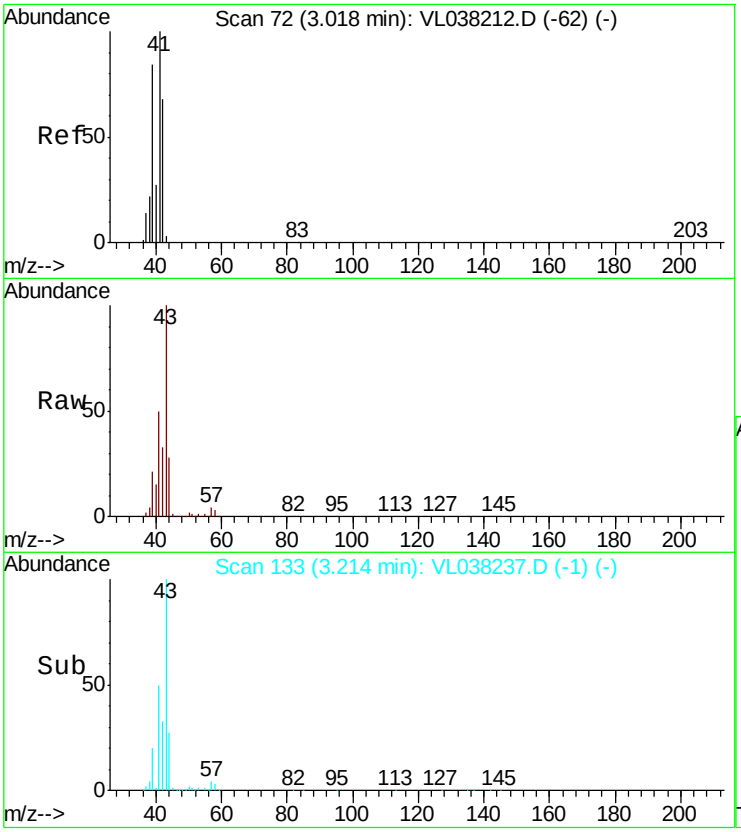


#4
Chloromethane
Concen: 0.246 ppbv
RT: 3.15 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 50 Resp: 11953

Ion	Ratio	Lower	Upper
50	100		
52	40.7	26.2	39.2#



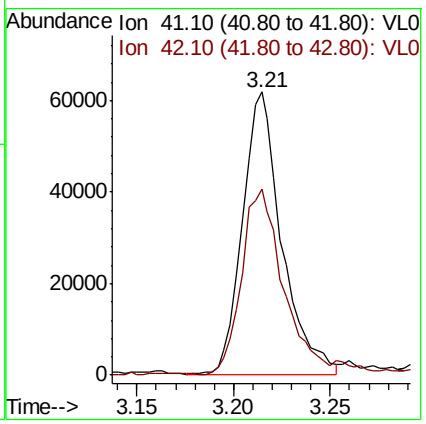


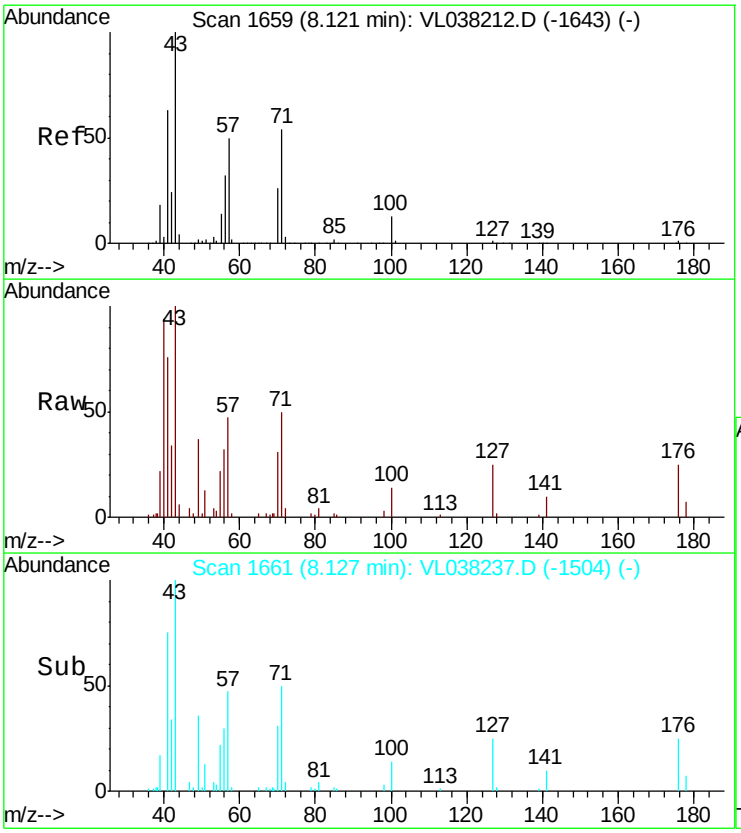
#9
Propene
Concen: 1.787 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 87098

Ion	Ratio	Lower	Upper
41	100		
42	71.7	55.5	83.3

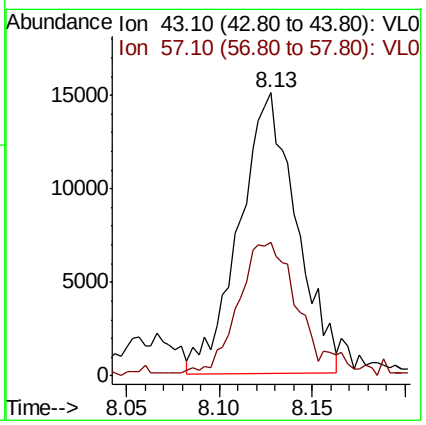


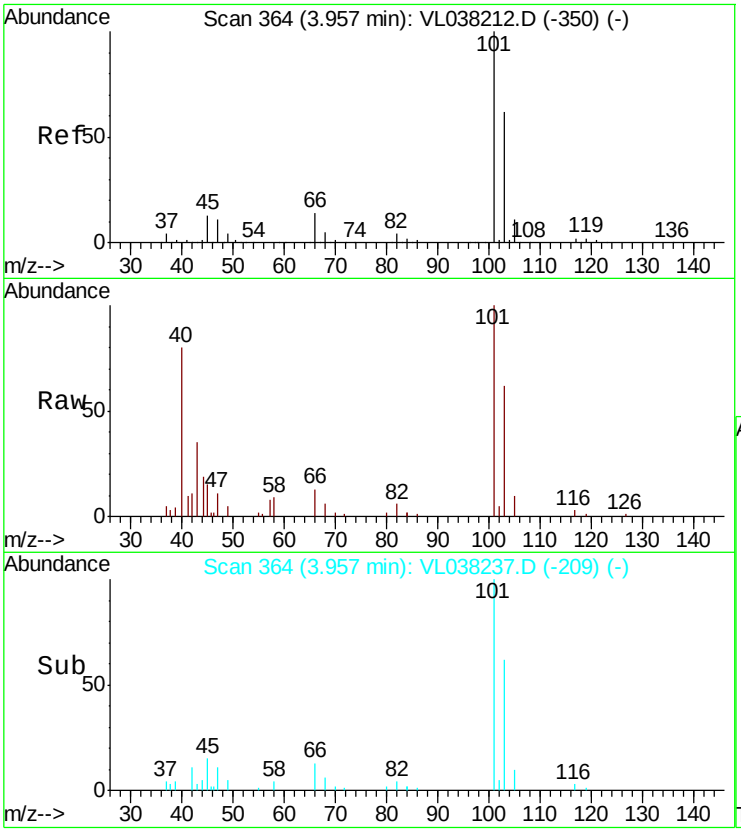


#10
Heptane
Concen: 0.261 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 43 Resp: 32237

Ion	Ratio	Lower	Upper
43	100		
57	52.1	40.3	60.5



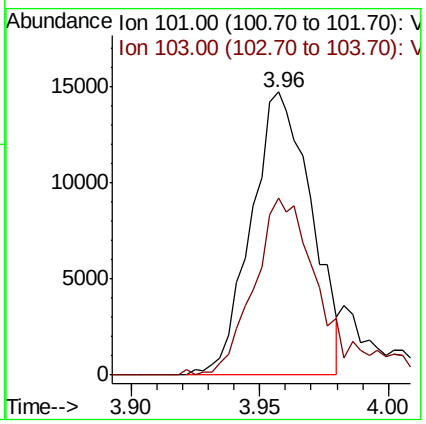


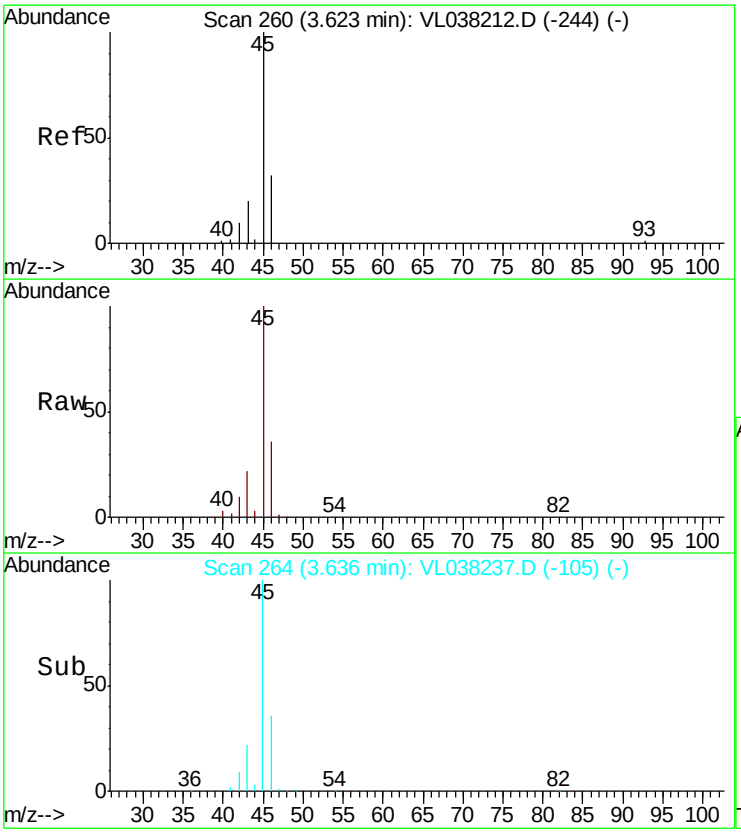
#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 23918

Ion	Ratio	Lower	Upper
101	100		
103	60.7	49.9	74.9

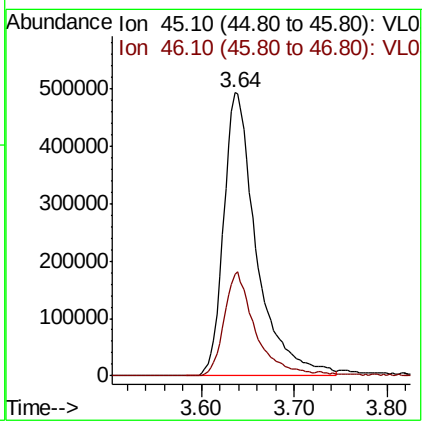


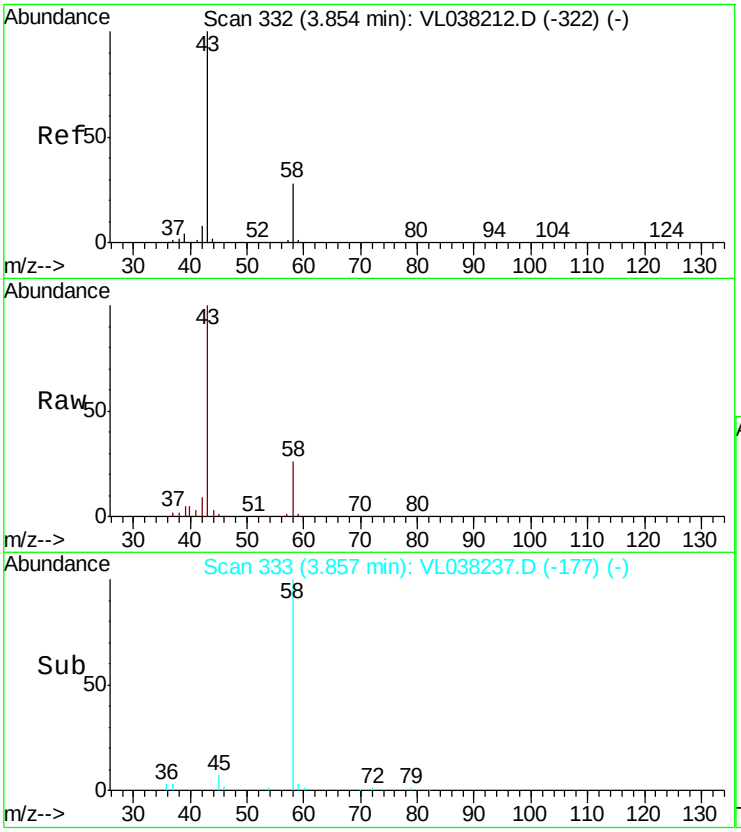


#13
Ethanol
Concen: 147.147 ppbv
RT: 3.64 min Scan# 264
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 45 Resp: 1215758

Ion	Ratio	Lower	Upper
45	100		
46	36.3	0.0	0.0#



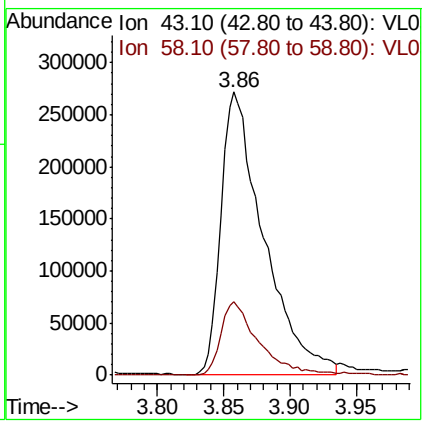


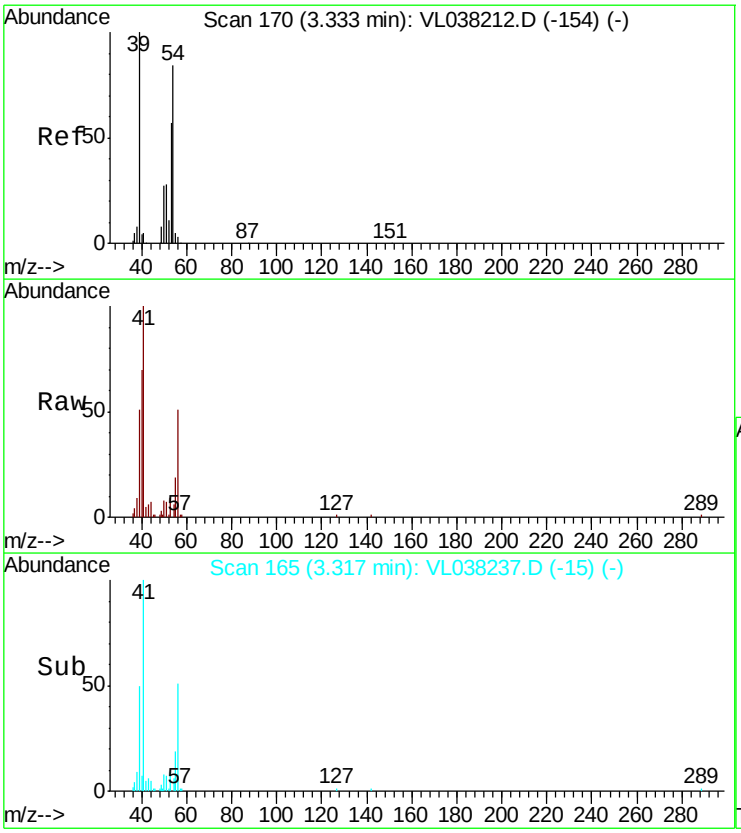
#15
Acetone
Concen: 9.029 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 605227

Ion	Ratio	Lower	Upper
43	100		
58	23.6	23.3	34.9

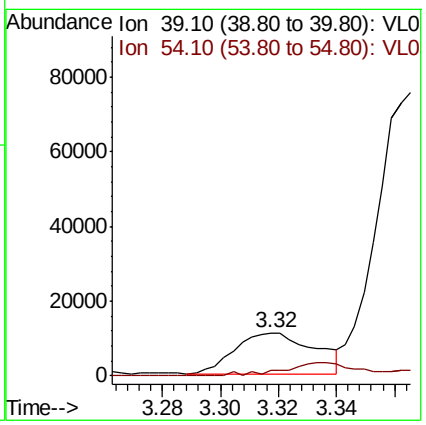


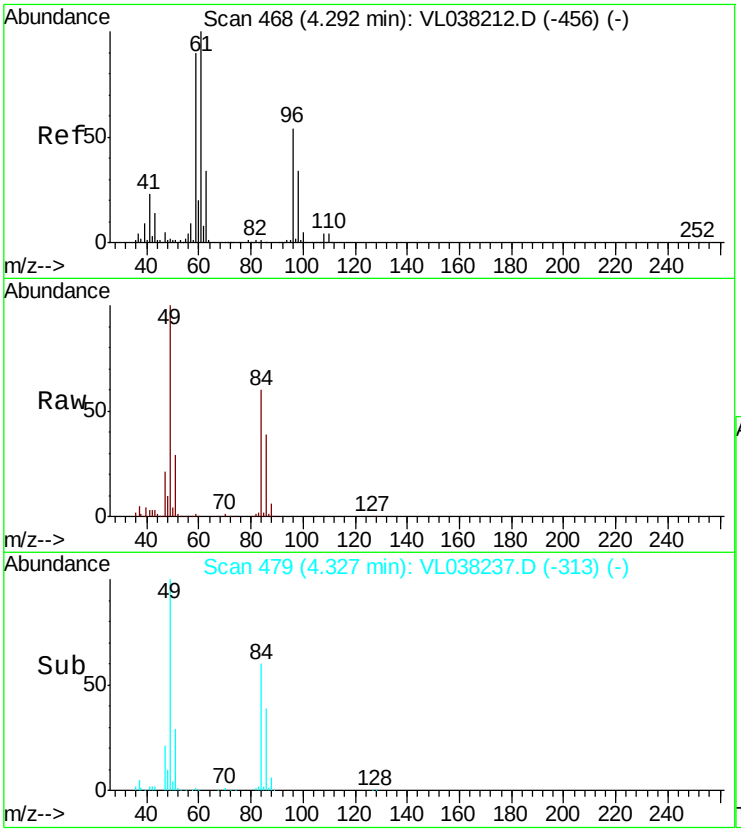


#16
1,3-Butadiene
Concen: 0.455 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.02 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 39 Resp: 20778

Ion	Ratio	Lower	Upper
39	100		
54	40.0	62.9	94.3#



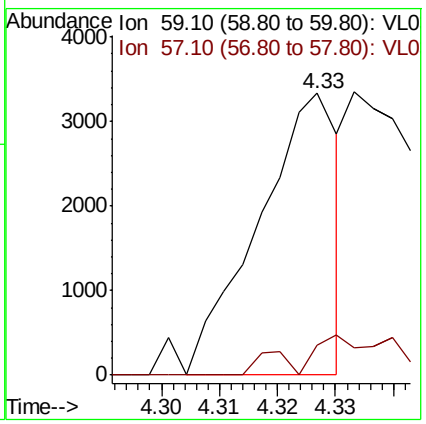


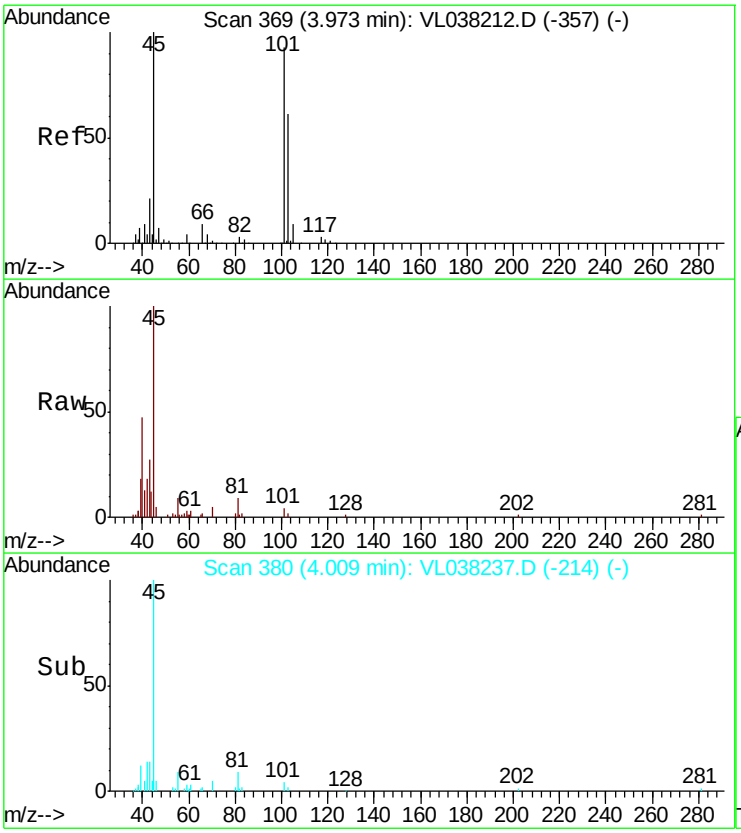
#17
tert-Butyl alcohol
Concen: 0.043 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 3187

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

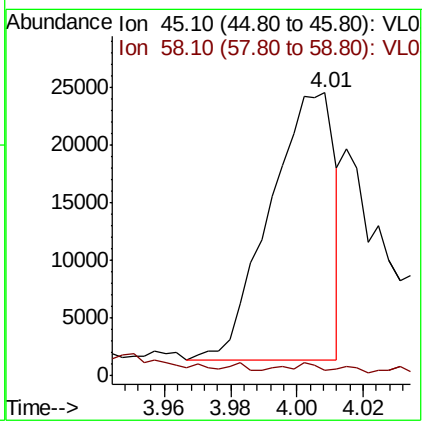


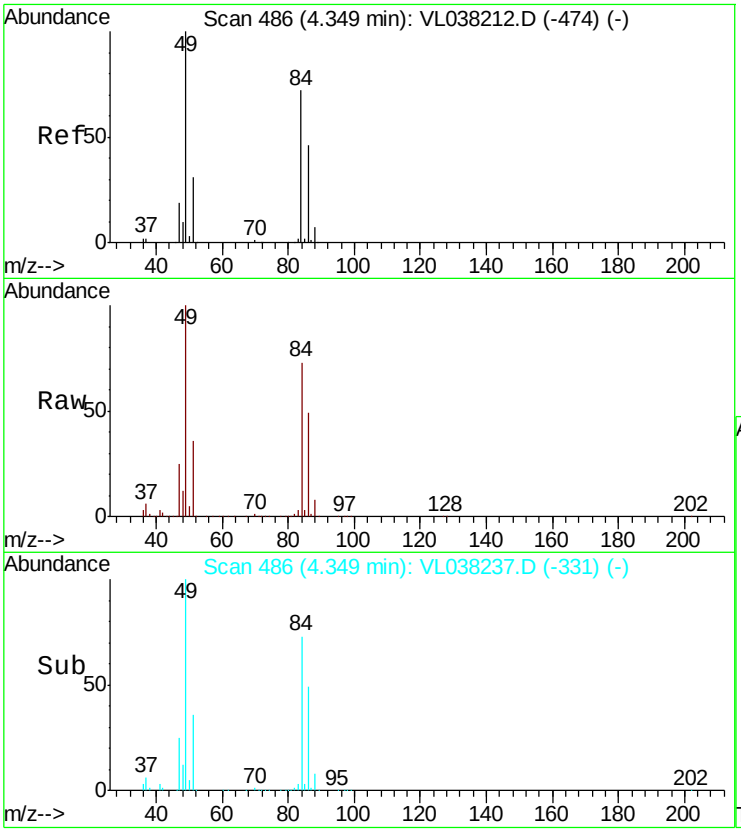


#19
Isopropyl Alcohol
Concen: 0.759 ppbv
RT: 4.01 min Scan# 380
Delta R.T. 0.04 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 45 Resp: 31722

Ion	Ratio	Lower	Upper
45	100		
58	452.8	32.4	48.6#



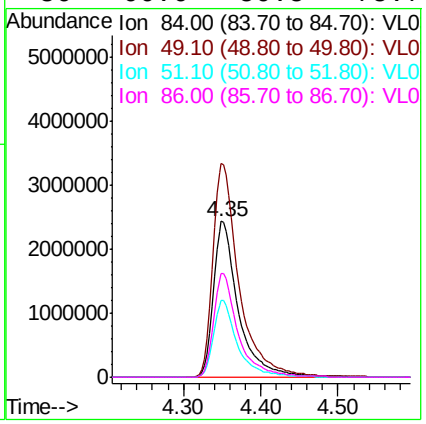


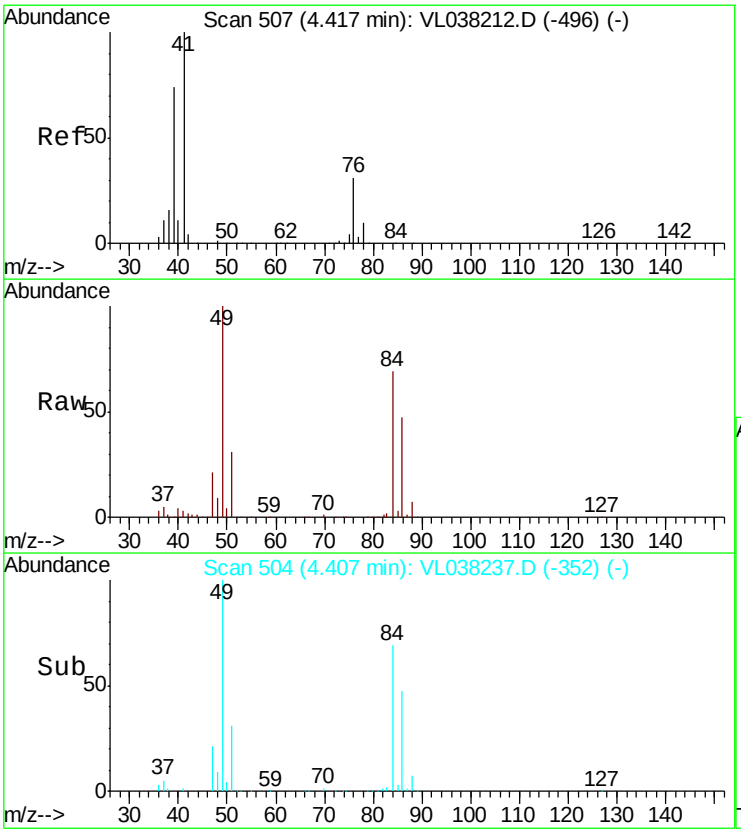
#20
Methylene Chloride
Concen: 147.236 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5572305

Ion	Ratio	Lower	Upper
84	100		
49	136.8	110.6	166.0
51	49.0	34.2	51.2
86	66.6	50.5	75.7

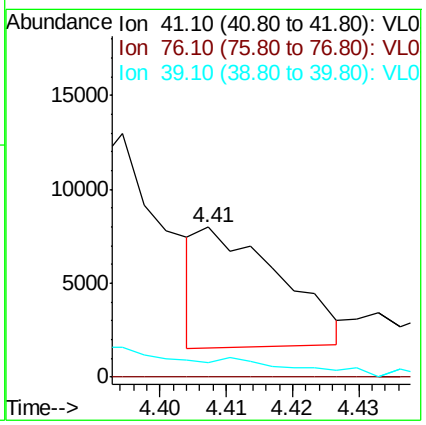


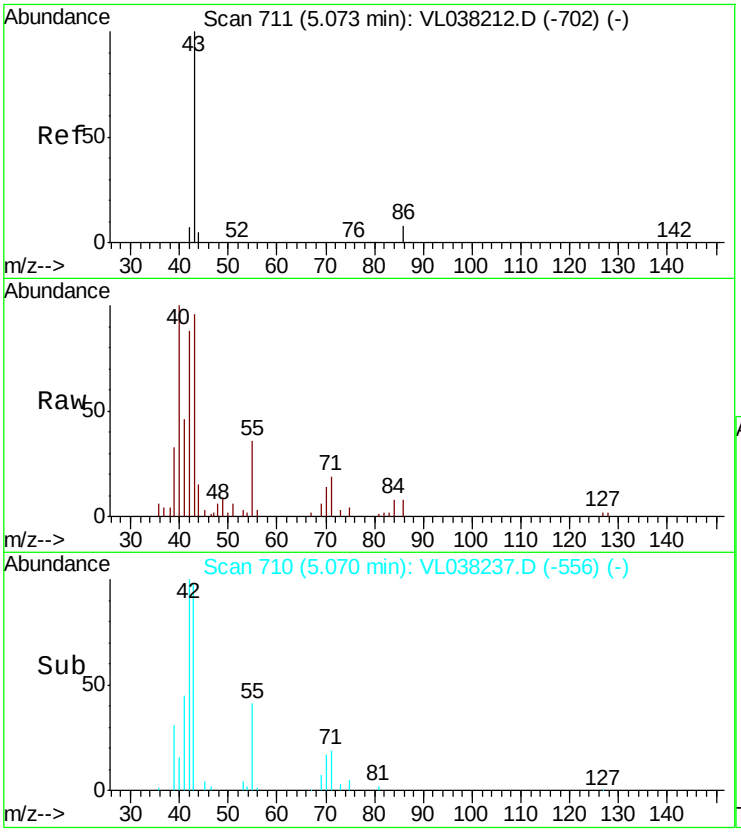


#21
Allyl Chloride
Concen: 0.096 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 41 Resp: 5444

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	10.4	66.1	99.1#



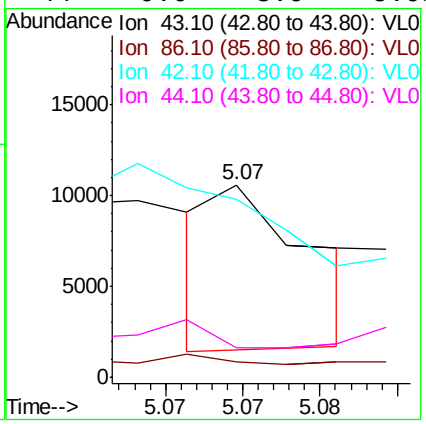


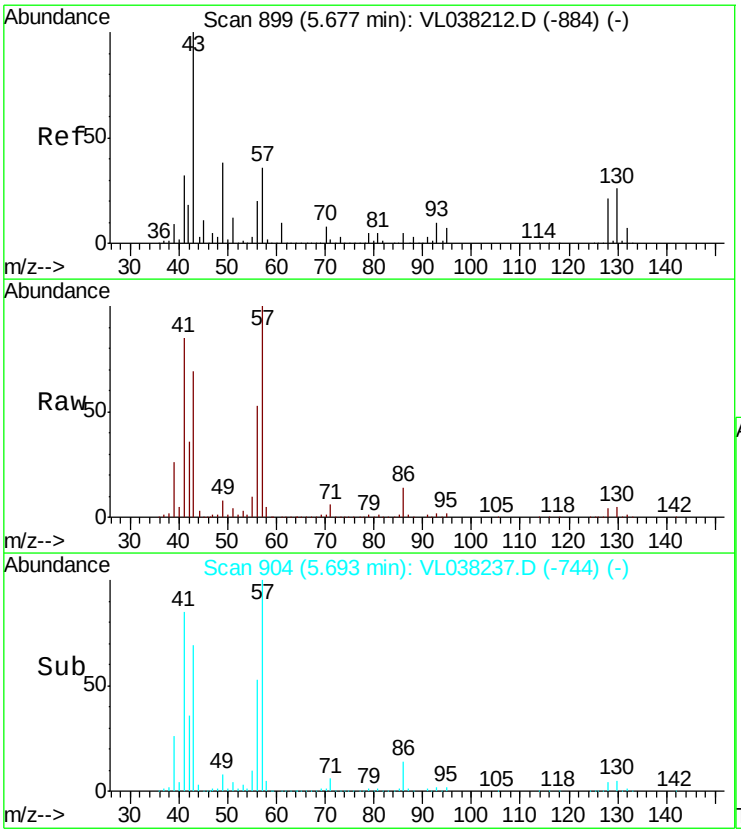
#23
Vinyl Acetate
Concen: 0.043 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3914

Ion	Ratio	Lower	Upper
43	100		
86	1.5	5.6	8.4#
42	105.7	7.0	10.4#
44	0.0	3.9	5.9#

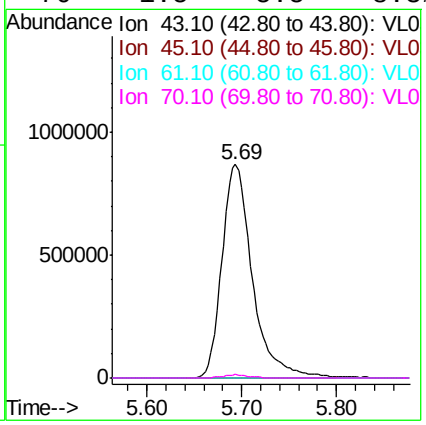


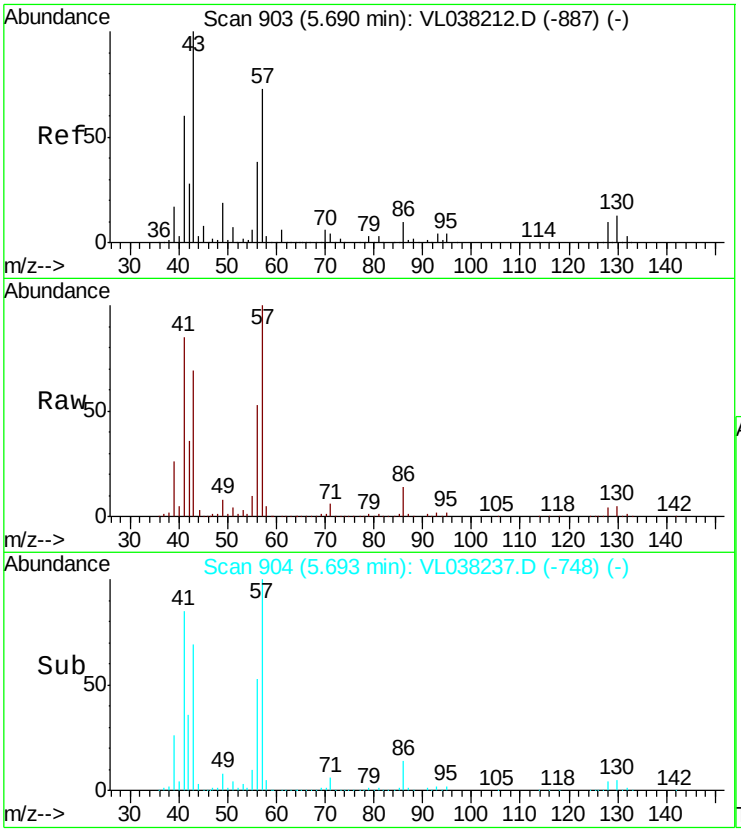


#25
Ethyl Acetate
Concen: 10.675 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 43 Resp: 1938771

Ion	Ratio	Lower	Upper
43	100		
45	0.3	7.9	11.9#
61	0.2	8.1	12.1#
70	1.5	5.5	8.3#



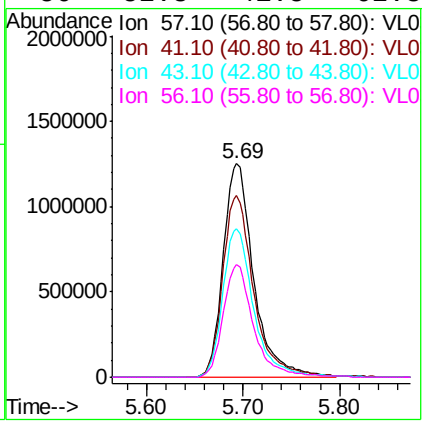


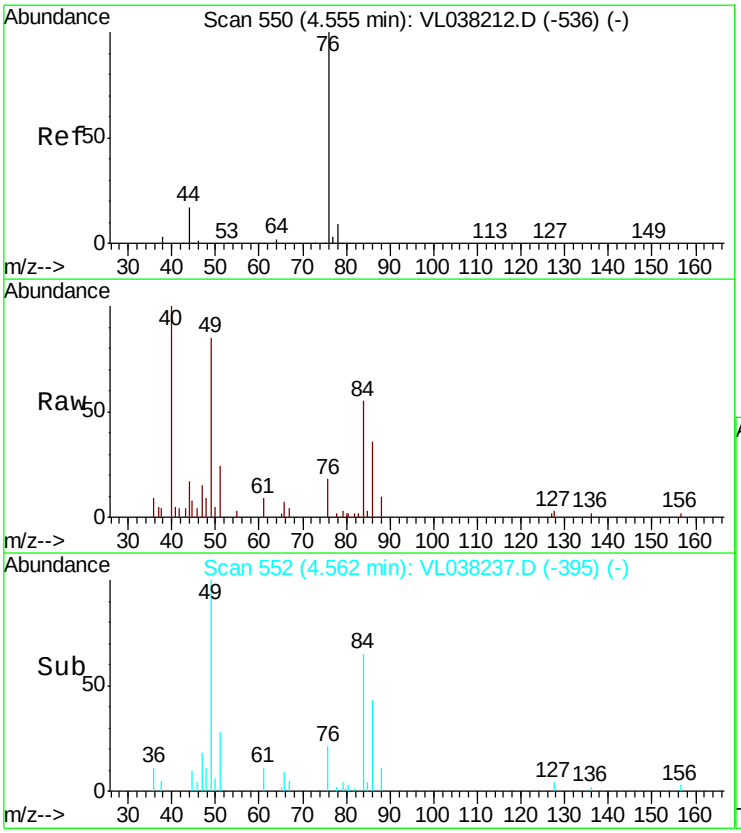
#26
Hexane
Concen: 30.168 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 2748925

Ion	Ratio	Lower	Upper
57	100		
41	87.1	69.0	103.6
43	71.0	171.2	256.8#
56	52.8	41.5	62.3

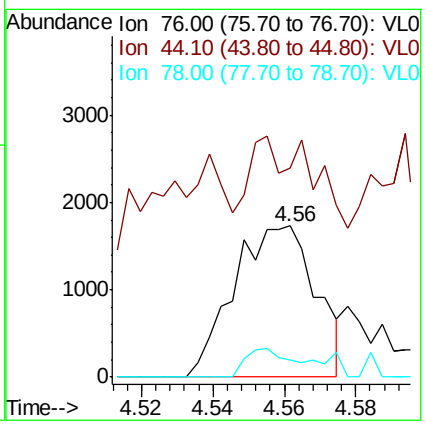


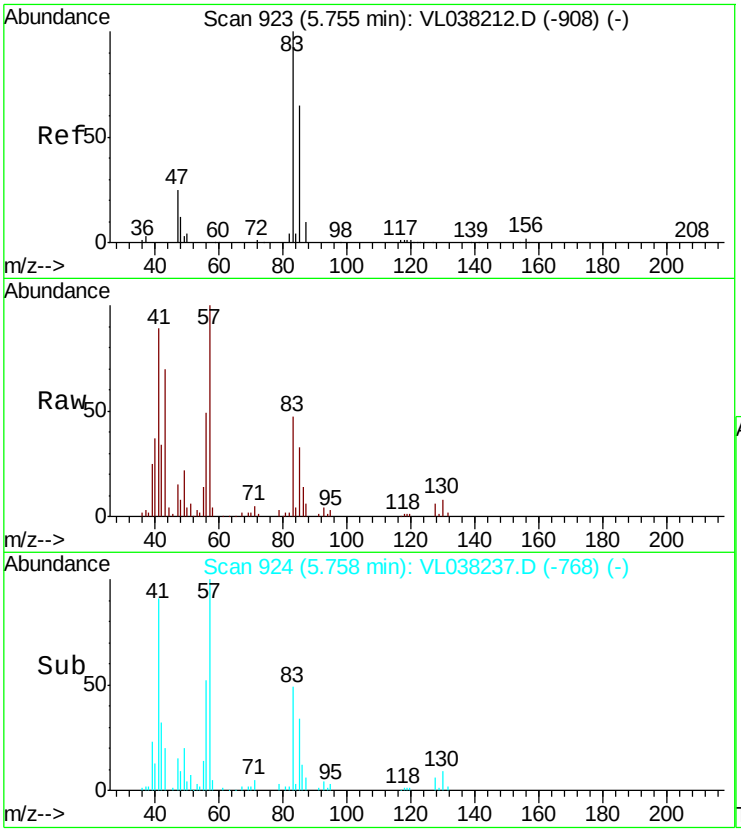


#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 76 Resp: 2757

Ion	Ratio	Lower	Upper
76	100		
44	116.9	14.2	21.4#
78	16.4	7.7	11.5#



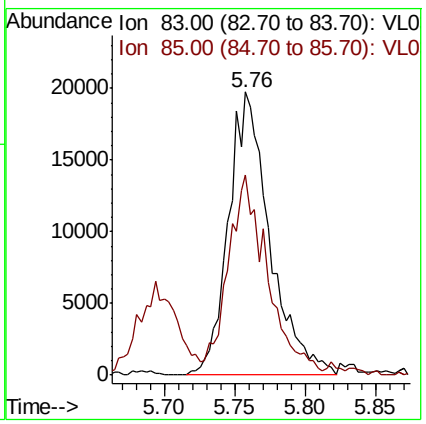


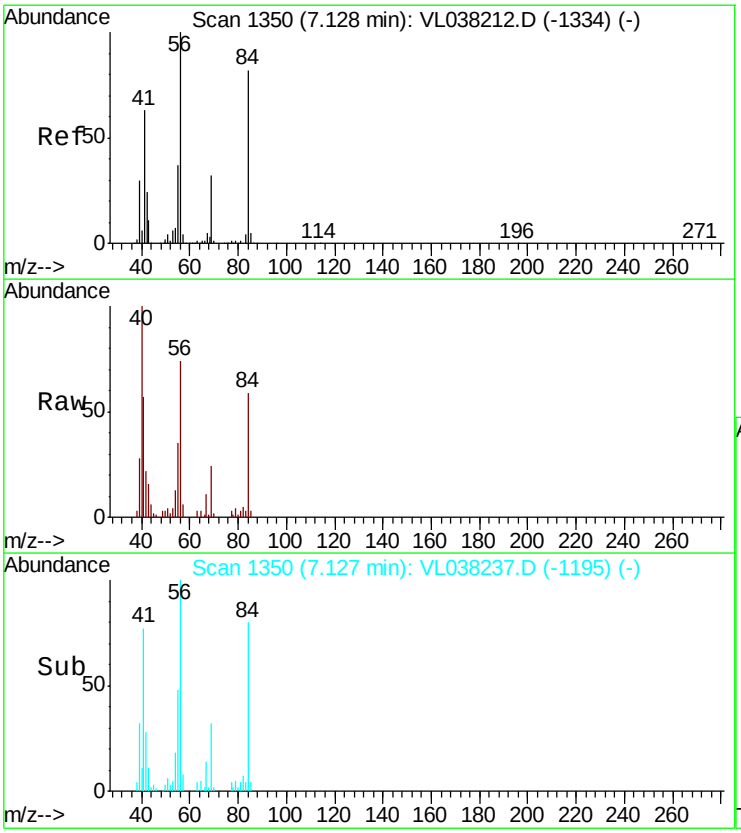
#29
Chloroform
Concen: 0.299 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 40457

Ion	Ratio	Lower	Upper
83	100		
85	68.0	52.2	78.4

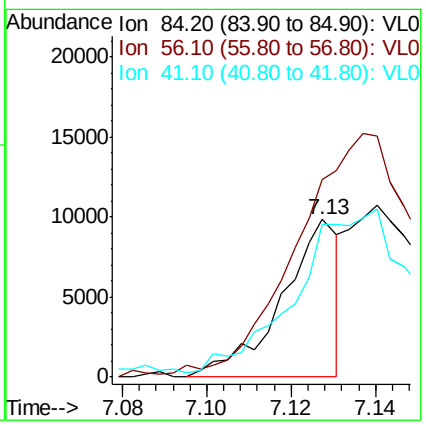


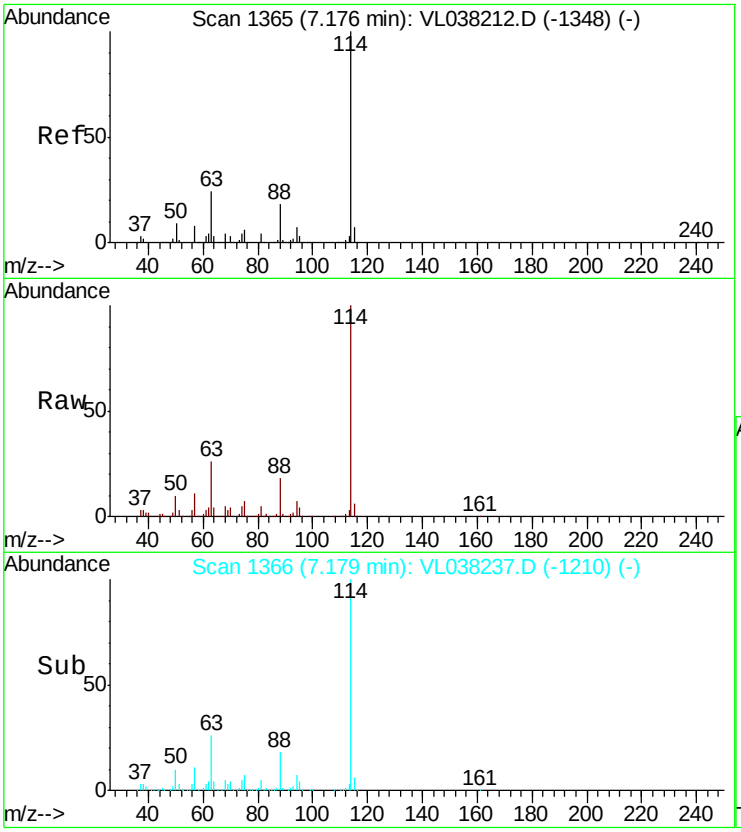


#30
Cyclohexane
Concen: 0.114 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 84 Resp: 9199

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.2	157.8#
41	0.0	63.2	94.8#



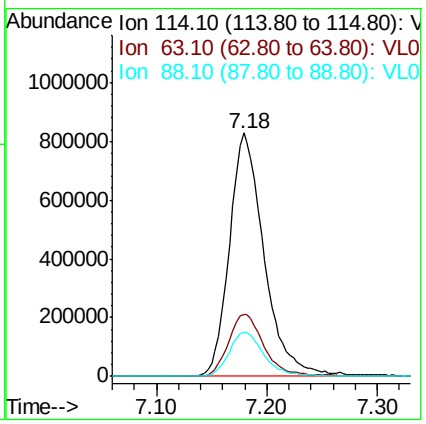


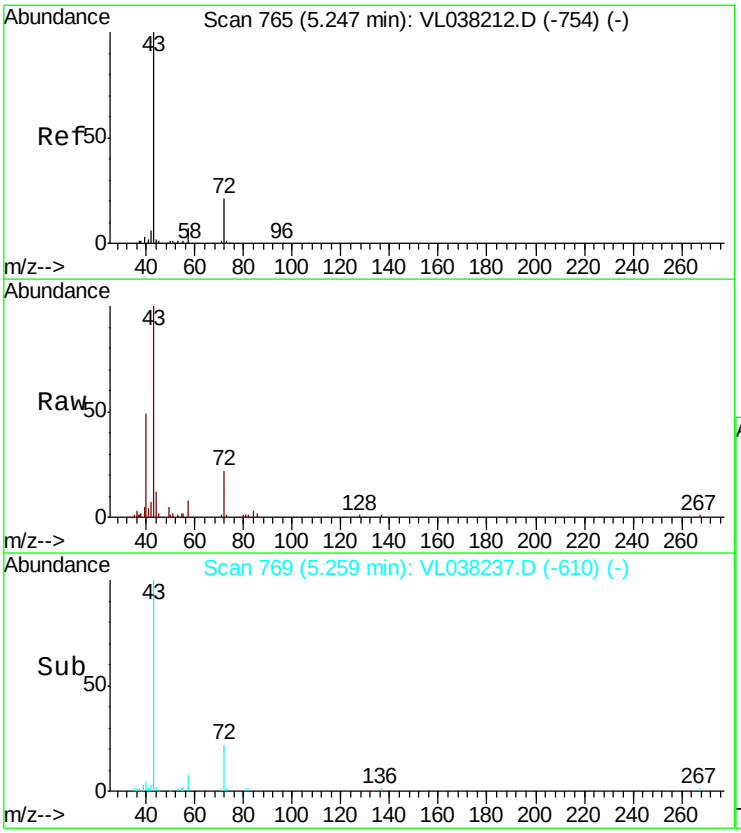
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1797414

Ion	Ratio	Lower	Upper
114	100		
63	26.7	19.7	29.5
88	18.7	14.3	21.5

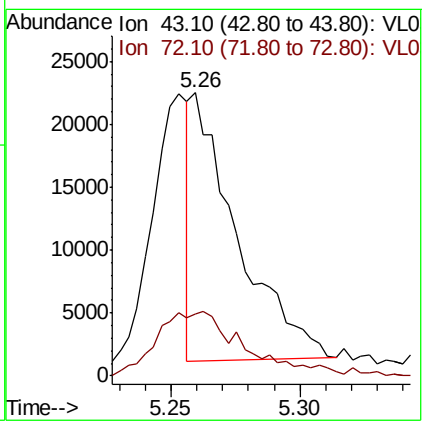


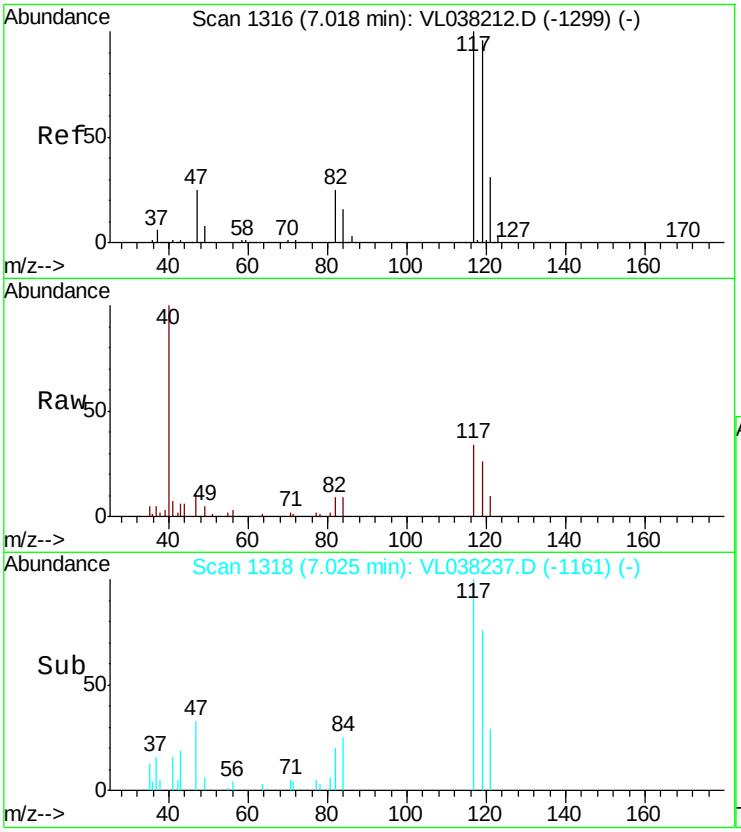


#34
2-Butanone
Concen: 0.480 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 43 Resp: 25938

Ion	Ratio	Lower	Upper
43	100		
72	47.4	18.3	27.5#



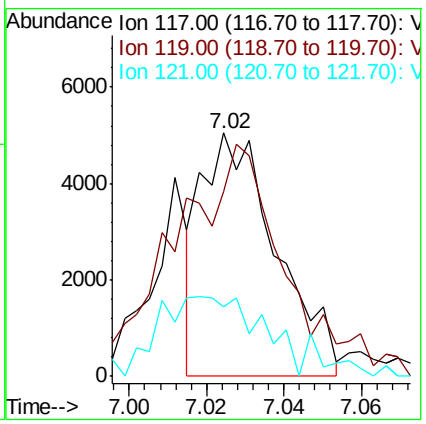


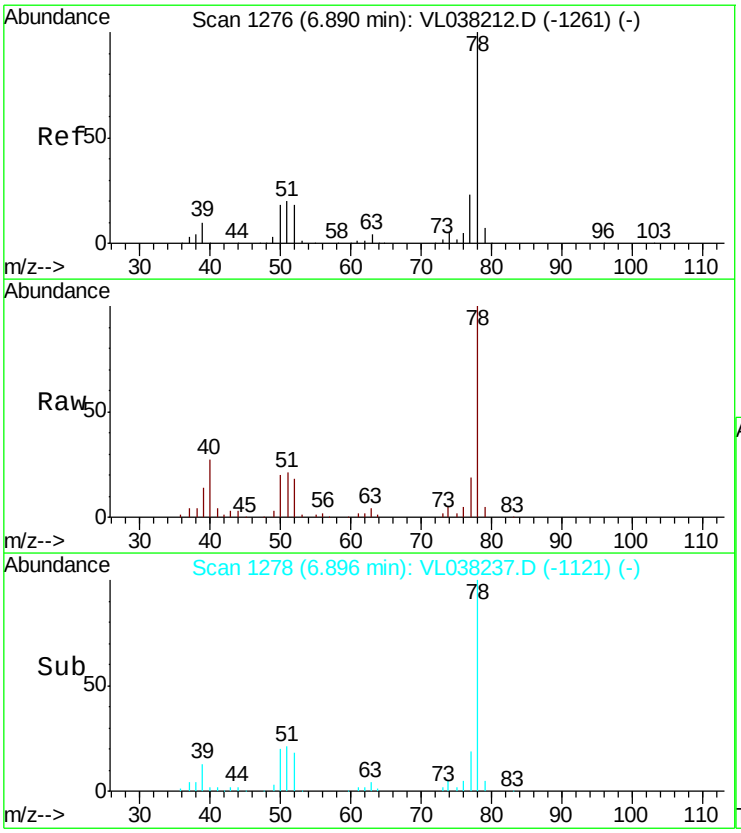
#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 6803

Ion	Ratio	Lower	Upper
117	100		
119	66.5	76.7	115.1#
121	24.8	25.0	37.4#

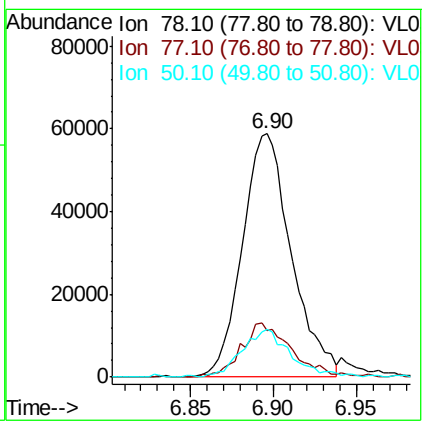


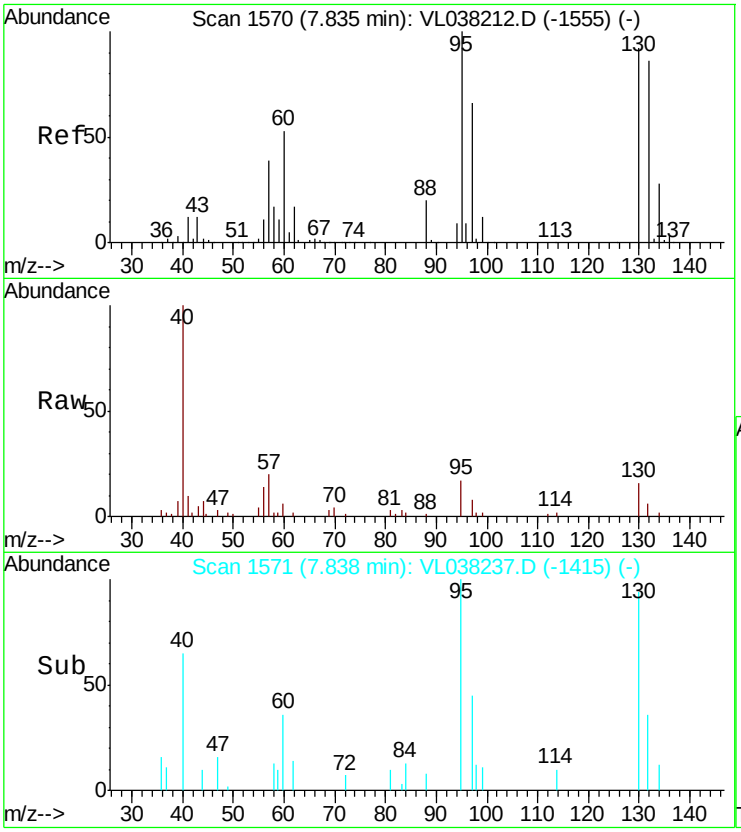


#36
Benzene
Concen: 0.722 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 78 Resp: 120968

Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.2	27.4
50	18.9	14.3	21.5



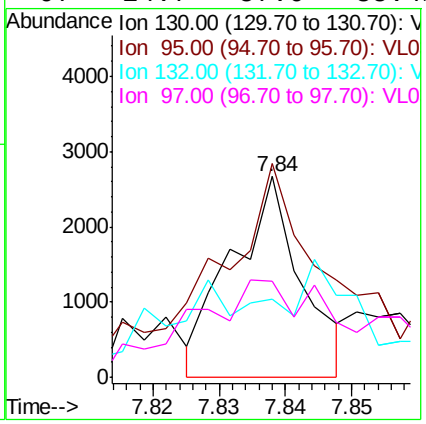


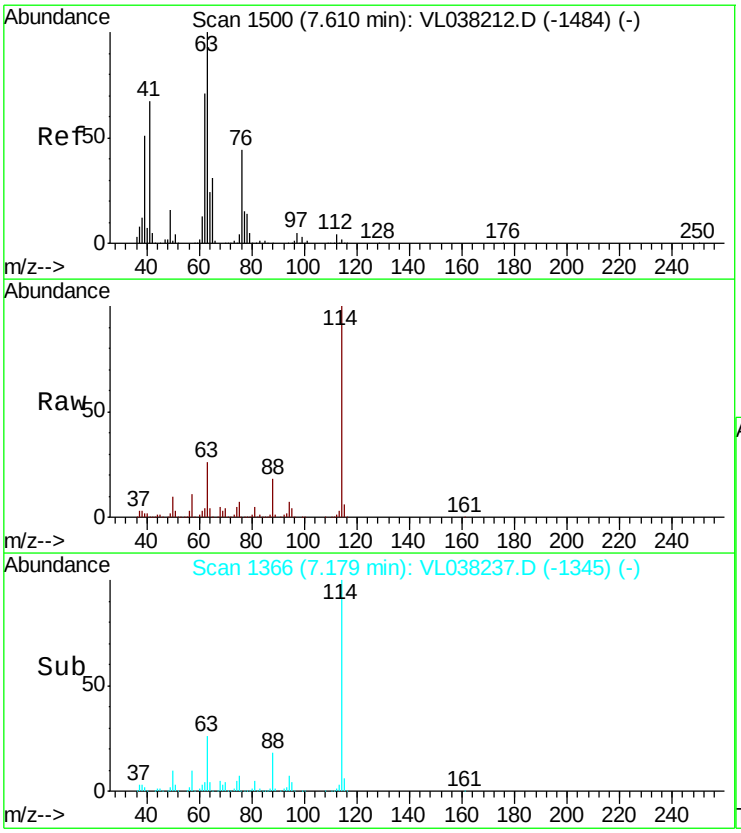
#38
Trichloroethene
Concen: 0.031 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 1955

Ion	Ratio	Lower	Upper
130	100		
95	81.5	87.0	130.4#
132	12.7	75.1	112.7#
97	24.7	57.0	85.4#

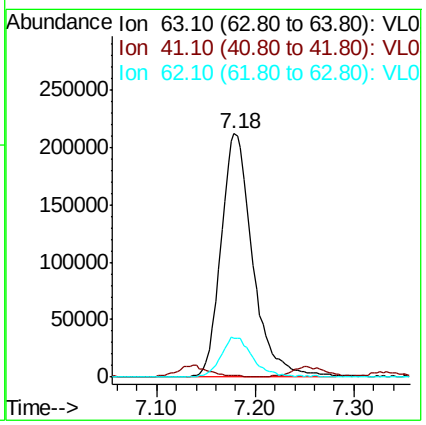


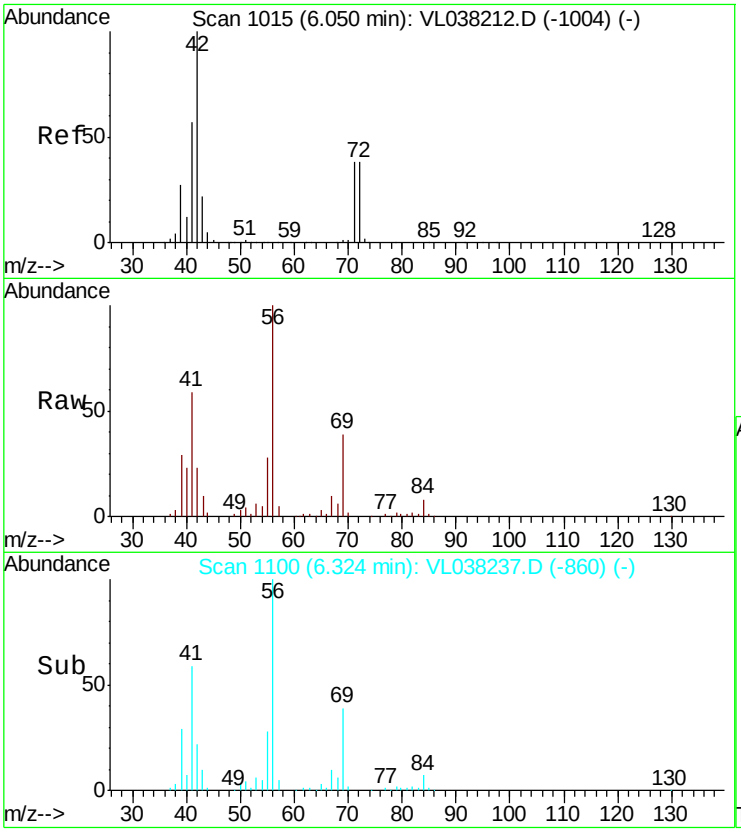


#39
1,2-Dichloropropane
Concen: 7.317 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 63 Resp: 472124

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.4	80.2#
62	16.1	56.5	84.7#



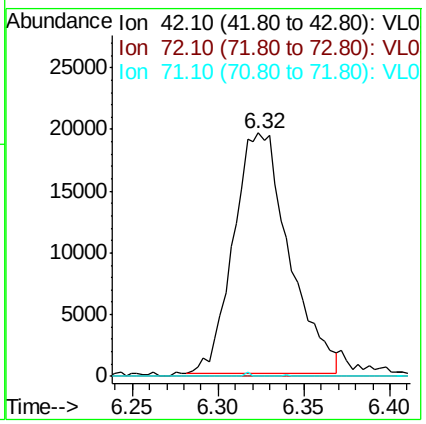


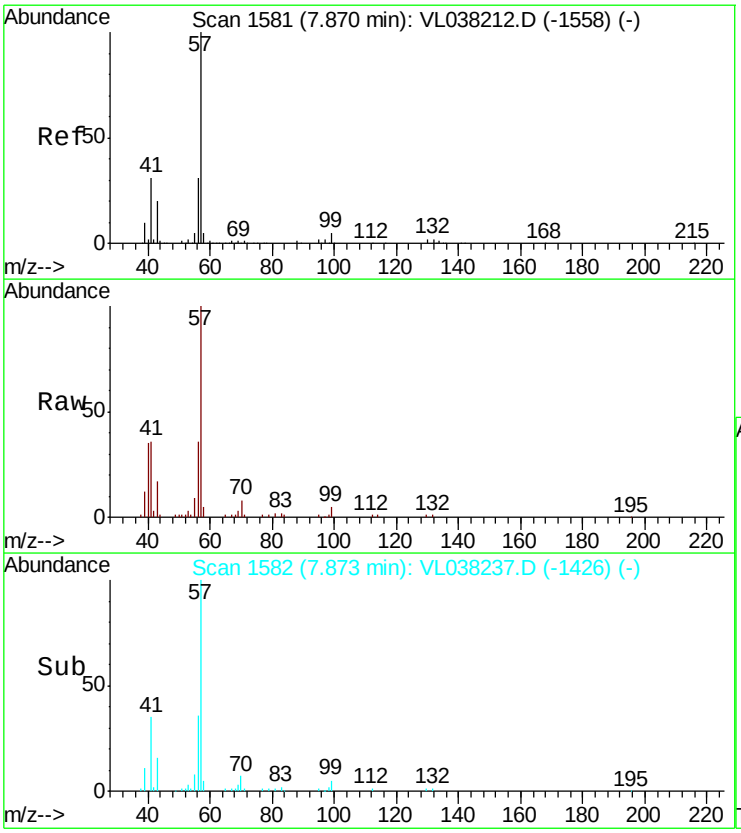
#41
Tetrahydrofuran
Concen: 1.110 ppbv
RT: 6.32
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 43926

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	30.0	45.0#

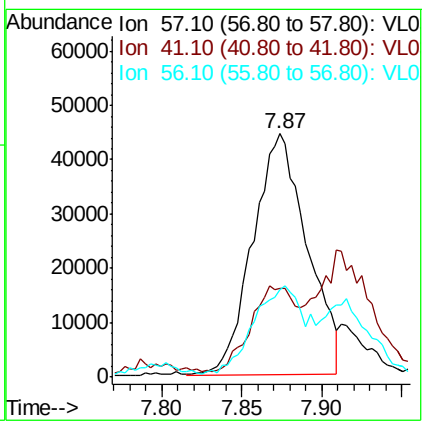


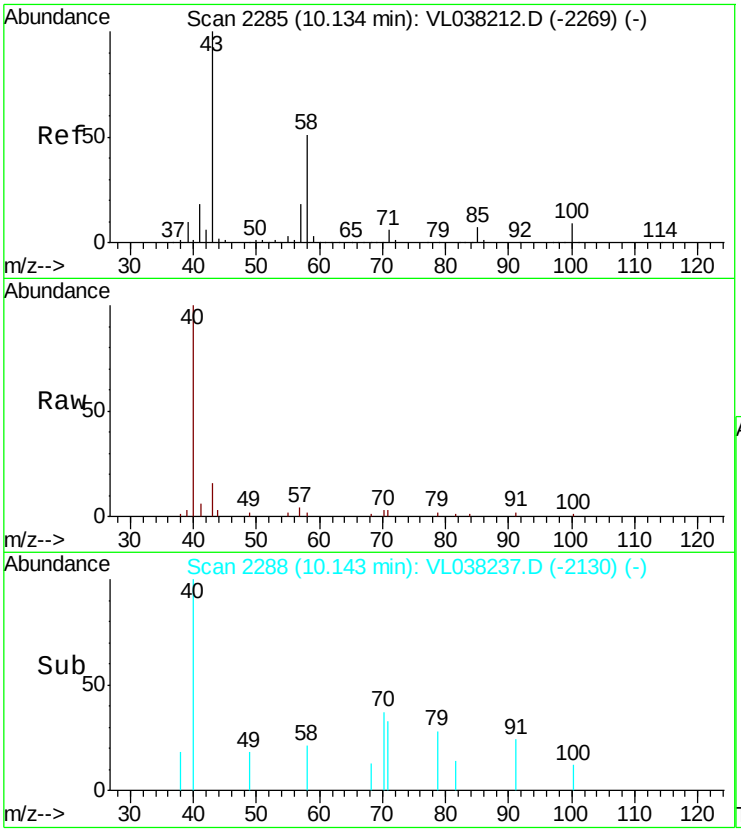


#44
2,2,4-Trimethylpentane
Concen: 0.368 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 57 Resp: 104716

Ion	Ratio	Lower	Upper
57	100		
41	33.2	24.9	37.3
56	36.7	24.8	37.2



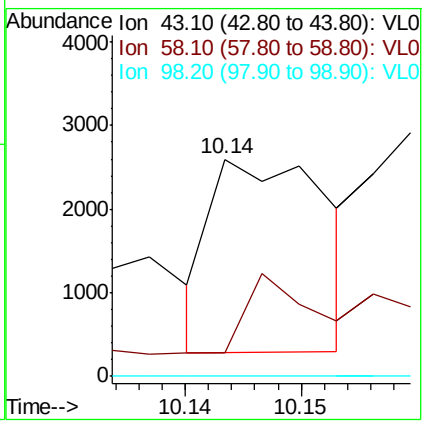


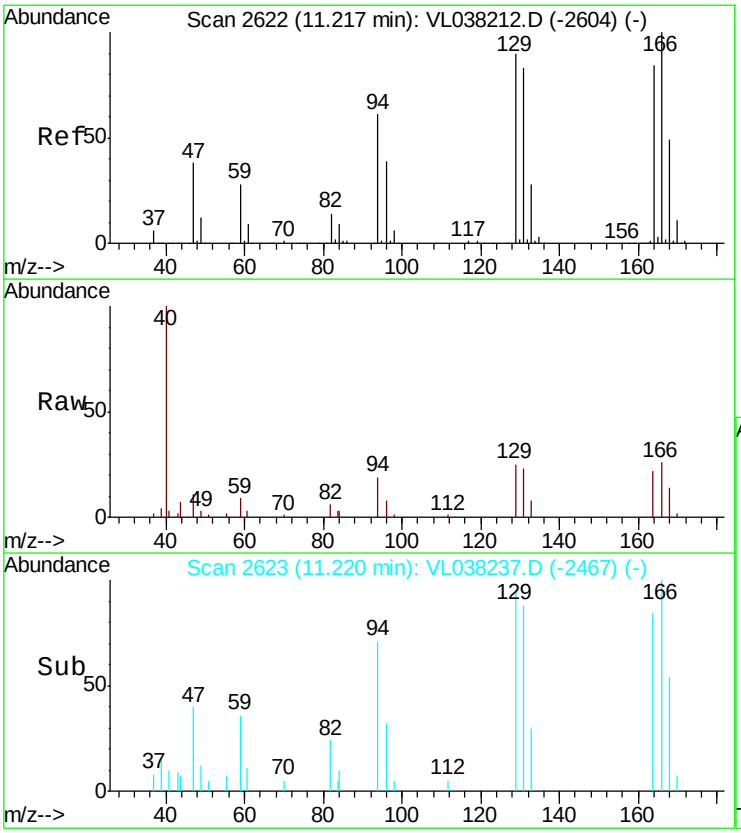
#51
2-Hexanone
Concen: 0.034 ppbv
RT: 10.14
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1602

Ion	Ratio	Lower	Upper
43	100		
58	211.9	40.8	61.2#
98	0.0	0.0	0.0

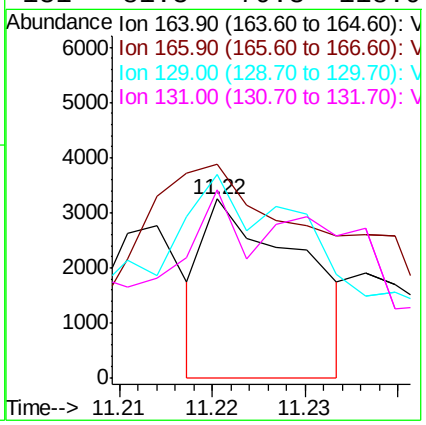


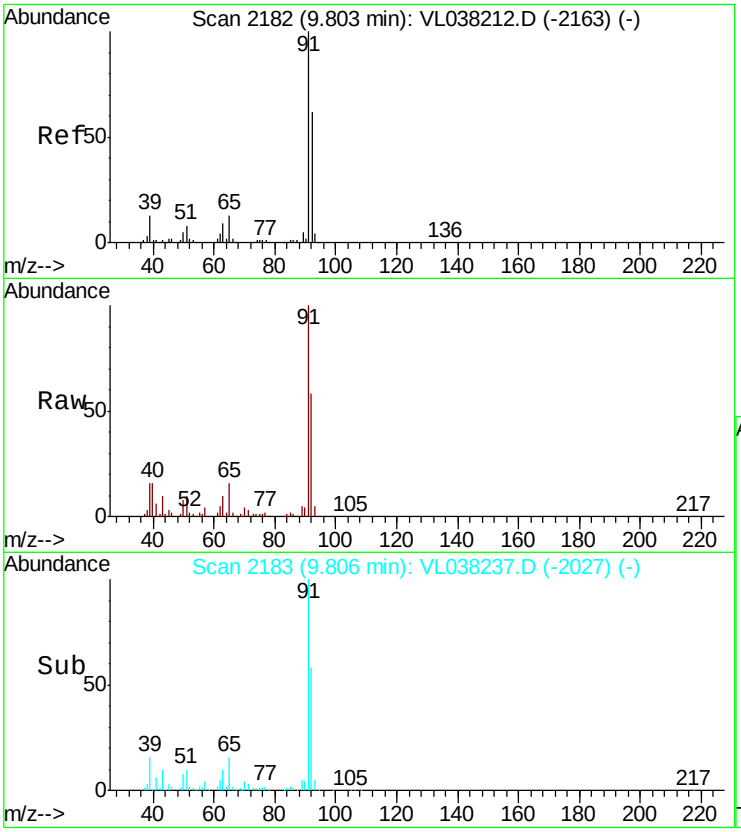


#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion:164 Resp: 2359

Ion	Ratio	Lower	Upper
164	100		
166	73.8	95.6	143.4#
129	120.7	85.8	128.8
131	81.3	79.3	118.9



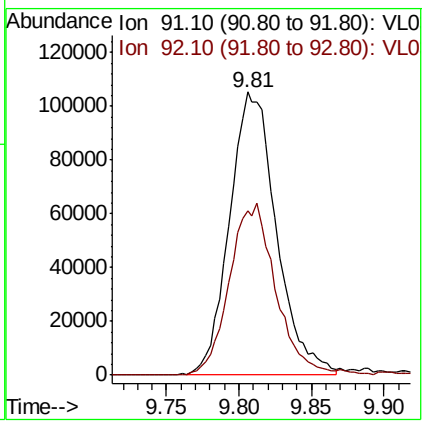


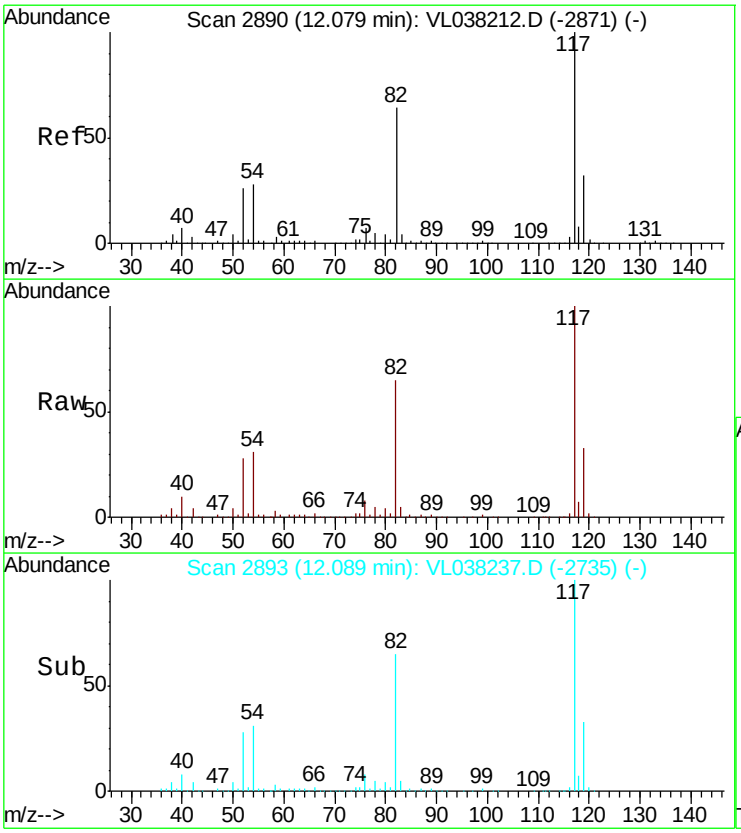
#53
Toluene
Concen: 1.224 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 236882

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.9	73.3

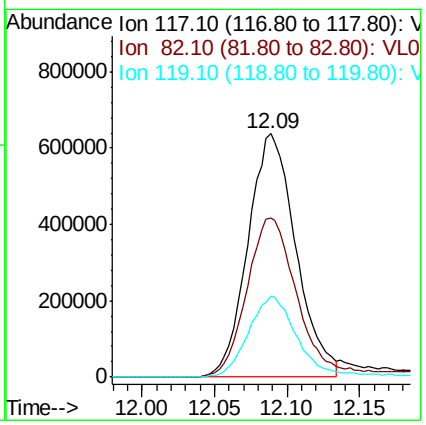


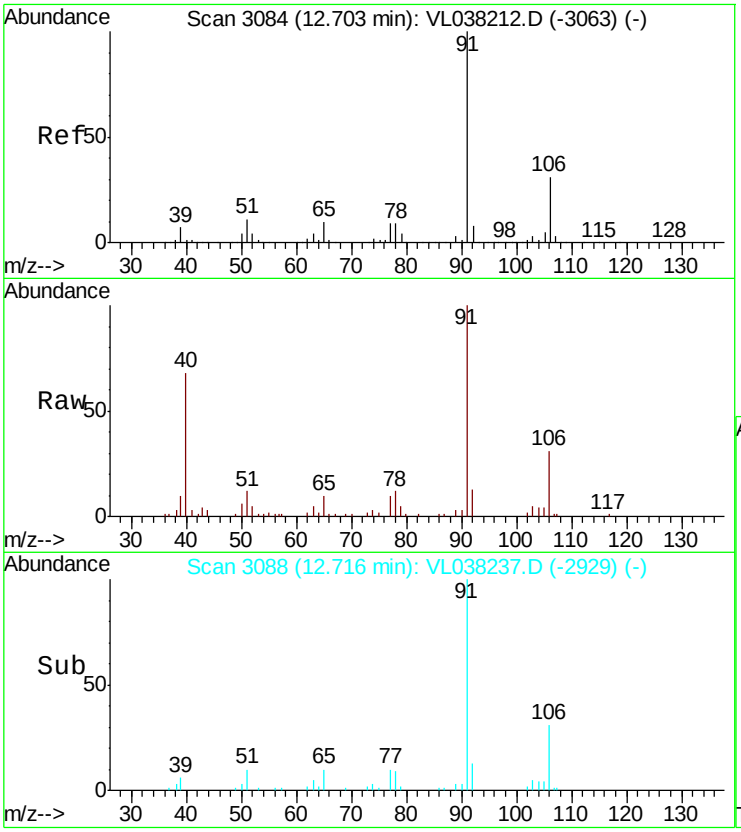


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion:117 Resp: 1469146

Ion	Ratio	Lower	Upper
117	100		
82	74.0	53.3	79.9
119	35.5	25.5	38.3



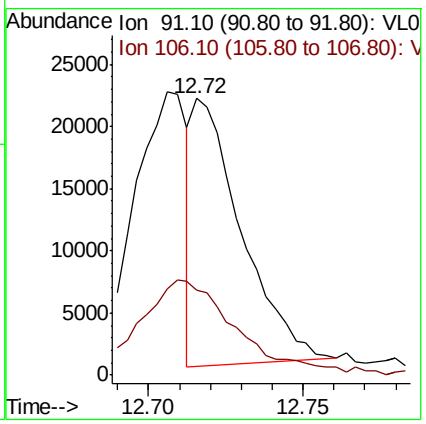


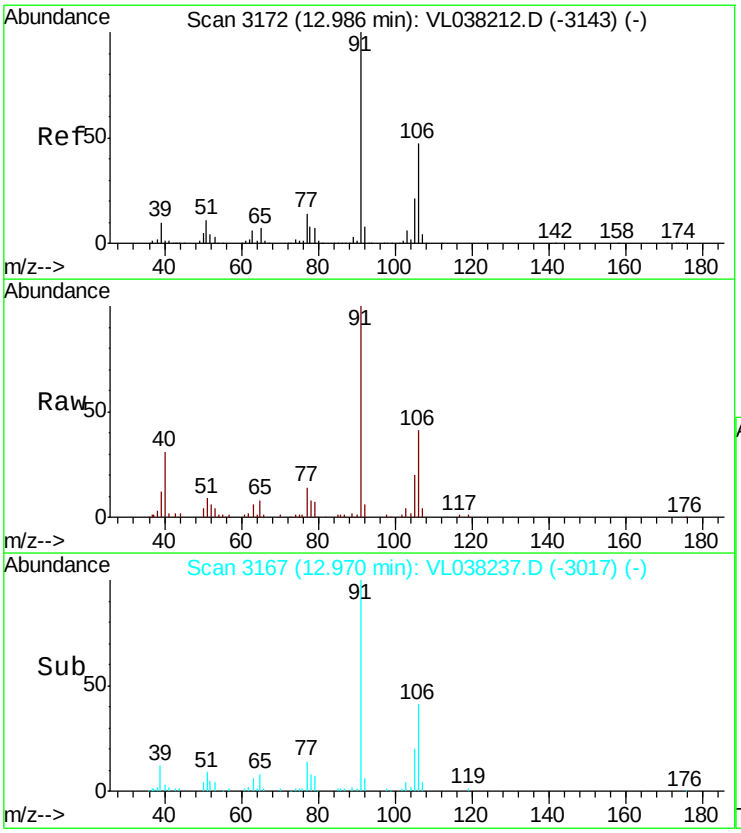
#58
Ethyl Benzene
Concen: 0.102 ppbv
RT: 12.72
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 23353

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.0	37.4

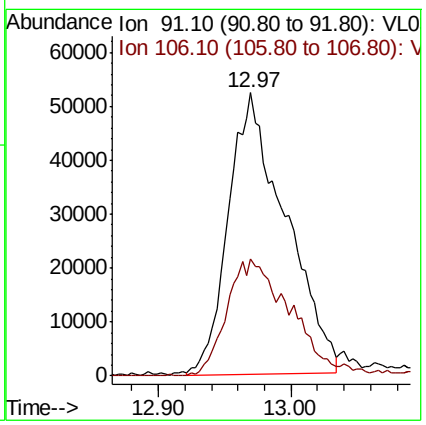


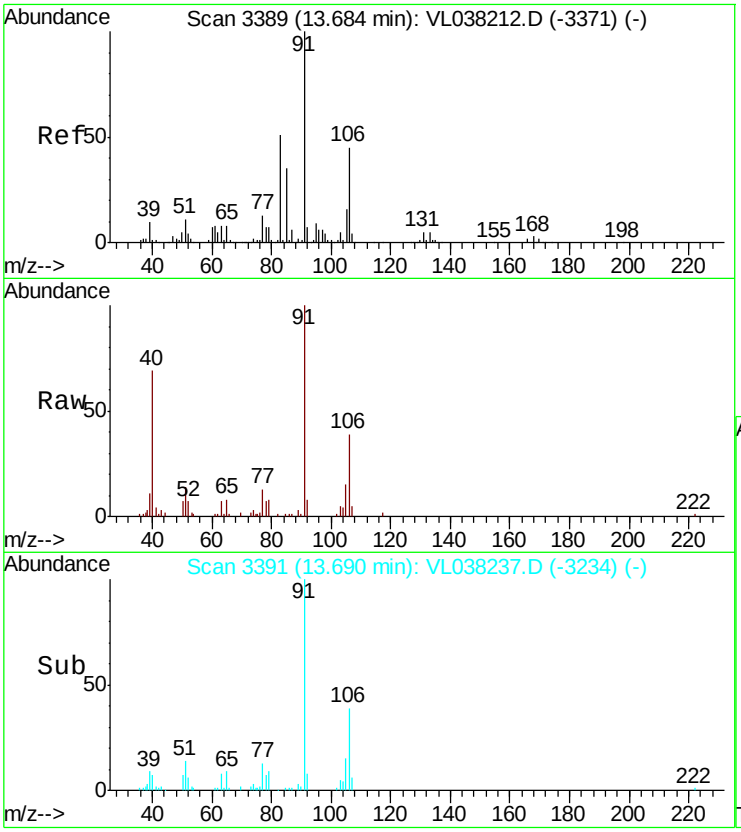


#59
m/p-Xylene
Concen: 0.802 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 91 Resp: 156344

Ion	Ratio	Lower	Upper
91	100		
106	47.7	36.9	55.3



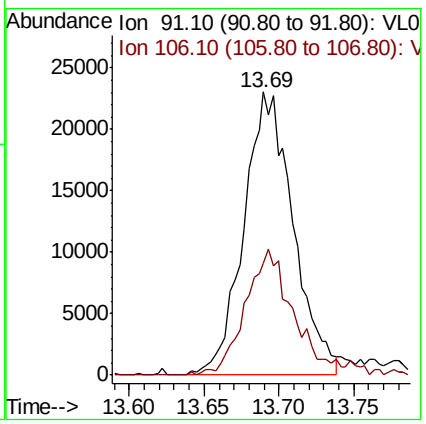


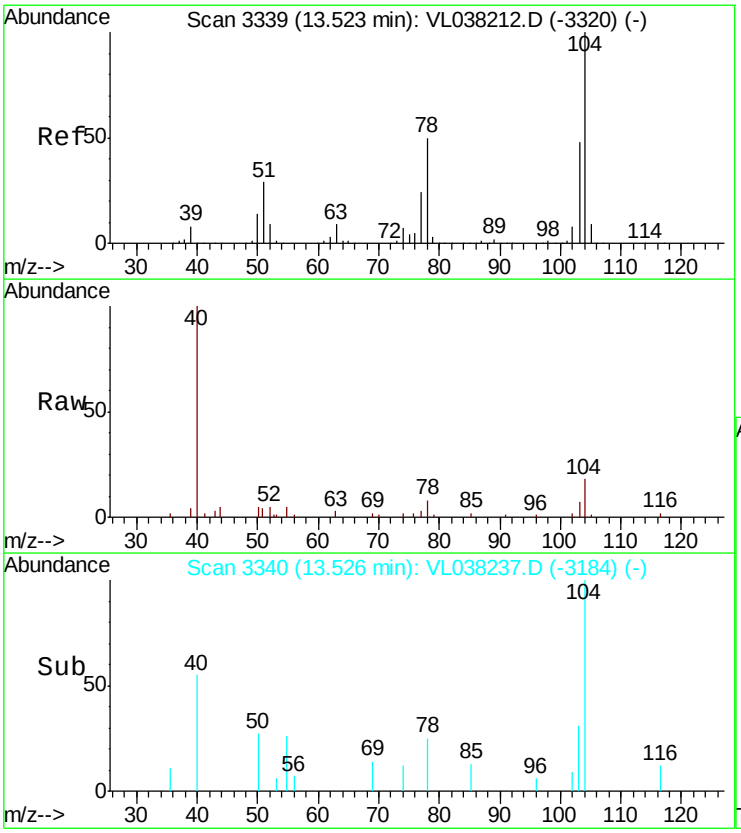
#60
o-Xylene
Concen: 0.292 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 52821

Ion	Ratio	Lower	Upper
91	100		
106	45.1	23.5	70.5

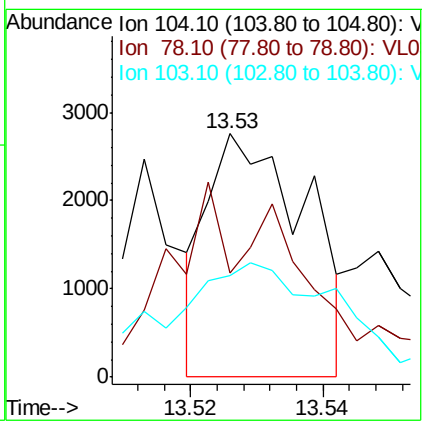


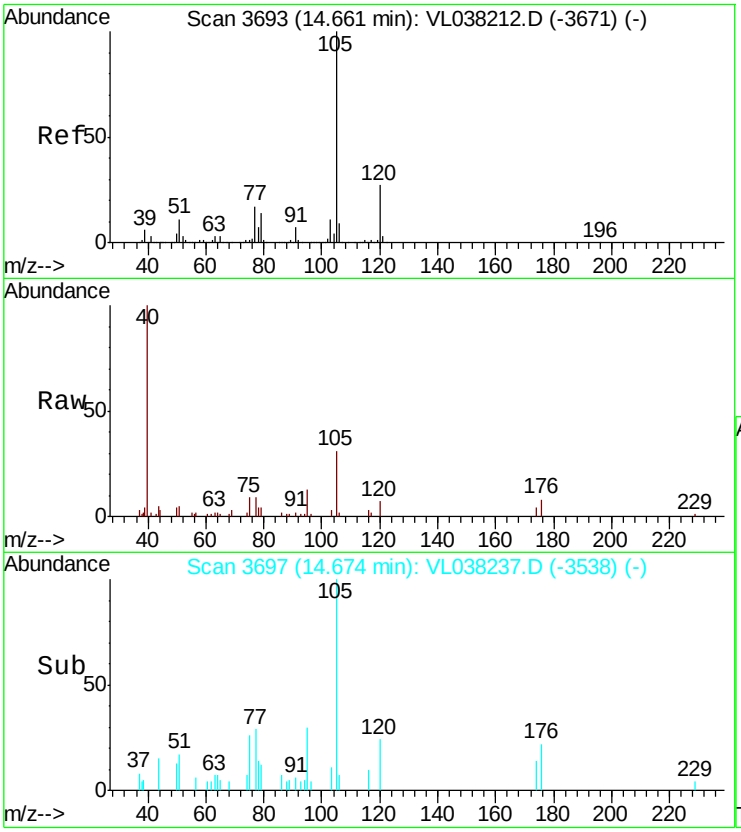


#61
Styrene
Concen: 0.031 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion:104 Resp: 2841

Ion	Ratio	Lower	Upper
104	100		
78	134.2	41.0	61.6#
103	100.0	38.0	57.0#



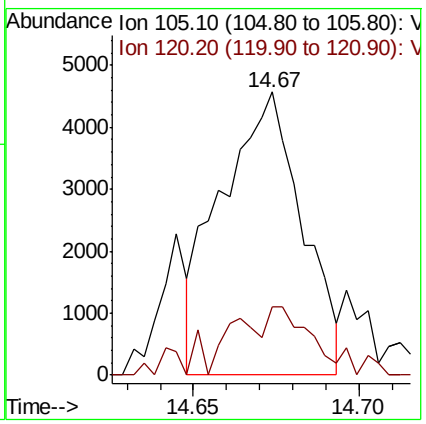


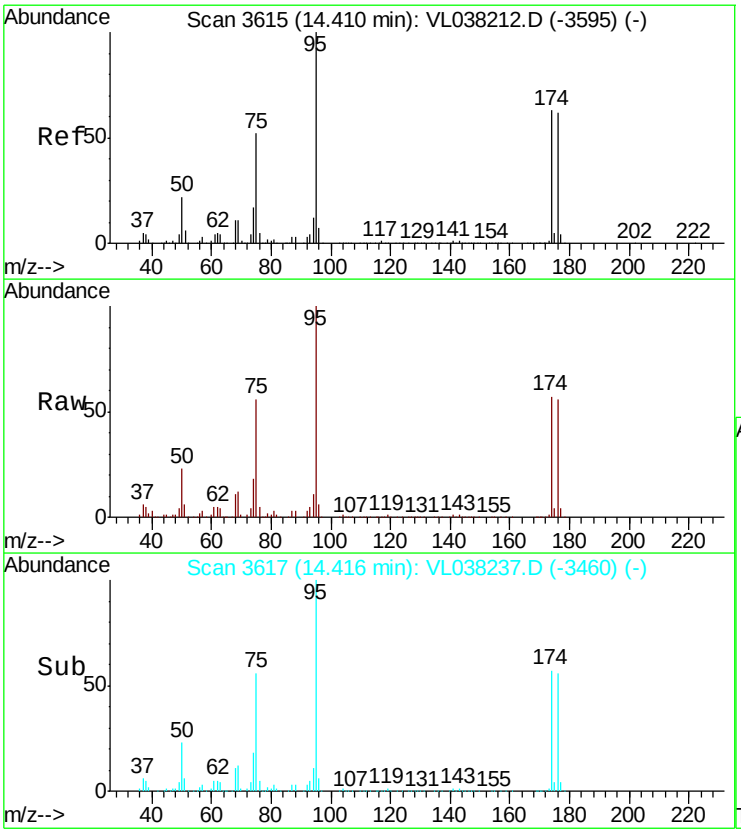
#62
Isopropylbenzene
Concen: 0.031 ppbv
RT: 14.67
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 7800

Ion	Ratio	Lower	Upper
105	100		
120	27.8	21.0	31.6

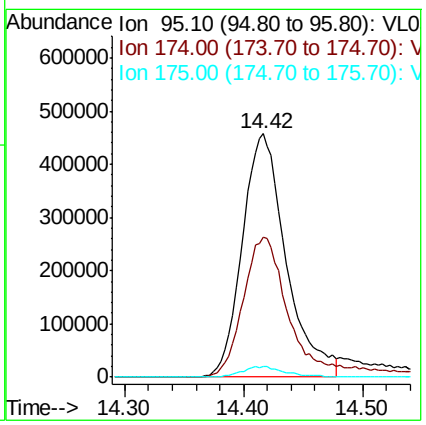


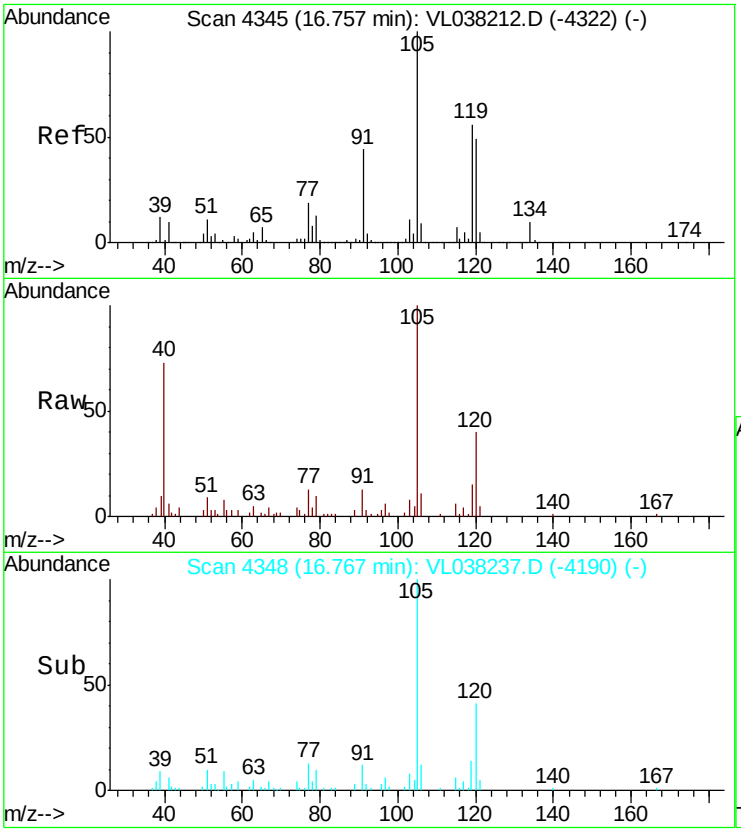


#68
1-Bromo-4-Fluorobenzene
Concen: 10.291 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.01 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion: 95 Resp: 1165135

Ion	Ratio	Lower	Upper
95	100		
174	64.6	54.6	81.8
175	4.7	4.1	6.1



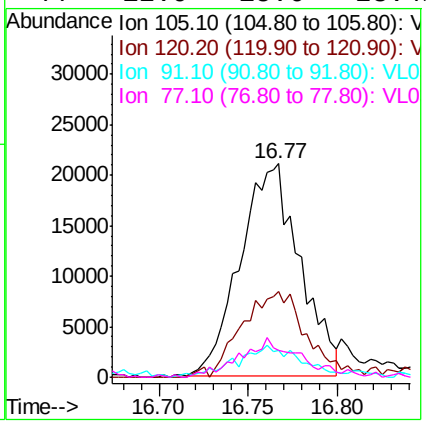


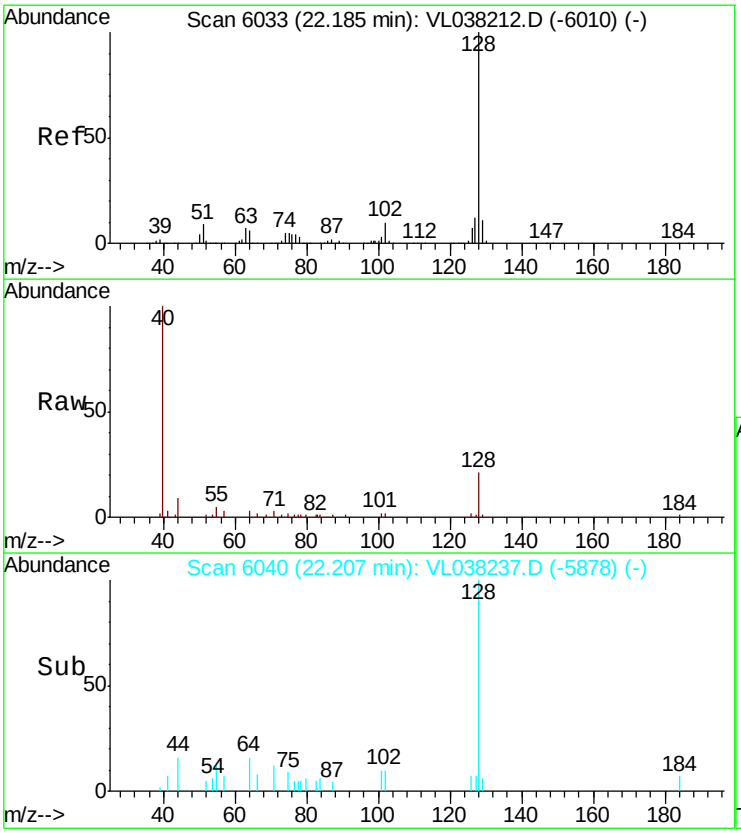
#74
1,2,4-Trimethylbenzene
Concen: 0.250 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 29 Dec 2021 17:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 48971

Ion	Ratio	Lower	Upper
105	100		
120	40.6	39.4	59.2
91	13.6	35.0	52.4#
77	12.9	15.6	23.4#





#79
Naphthalene
Concen: 0.032 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. 0.02 min
Lab File: VL038237.D
Acq: 29 Dec 2021 17:59

Tgt Ion:128 Resp: 3235

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.6	14.4
129	1.7	9.2	13.8#