Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038721.D
Acq On : 23 Mar 2022 18:31
Operator : SY/AP
Sample : N2047-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P99

Quant Time: Mar 24 04:34:39 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	727677	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	1940241	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	1859827	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1329780	9.33	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	28049	0.287	ppbv		97
3) Chlorodifluoromethane	2.98	51	40796	0.531	ppbv	#	90
4) Chloromethane	3.14	50	9127	0.216	ppbv		91
9) Propene	3.01	41	32424	0.874	ppbv	#	41
11) Trichlorofluoromethane	3.94	101	25941	0.300	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2124	0.032	ppbv	#	1
13) Ethanol	3.60	45	128416	31.375	ppbv		95
15) Acetone	3.84	43	822105	13.093	ppbv	#	89
16) 1,3-Butadiene	3.30	39	77056	2.162	ppbv	#	16
19) Isopropyl Alcohol	3.97	45	29807	0.856	ppbv	#	91
20) Methylene Chloride	4.34	84	104209	3.940	ppbv		99
23) Vinyl Acetate	5.05	43	44419	0.731	ppbv	#	83
25) Ethyl Acetate	5.67	43	46911	0.297	ppbv	#	82
26) Hexane	5.67	57	62357	0.881	ppbv	#	39
27) Carbon Disulfide	4.54	76	6073	0.087	ppbv	#	68
29) Chloroform	5.74	83	47116	0.416	ppbv		94
30) Cyclohexane	7.11	84	1999	0.032	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	4076	0.061	ppbv	#	82
32) 1,1,1-Trichloroethane	6.50	97	3282	0.030	ppbv		96
34) 2-Butanone	5.23	43	785623	10.230	ppbv		94
36) Benzene	6.88	78	19768	0.132	ppbv		96
38) Trichloroethene	7.82	130	22184	0.354	ppbv	#	90
39) 1,2-Dichloropropane	7.16	63	443438	7.575	ppbv	#	29
41) Tetrahydrofuran	6.05	42	2326	0.041	ppbv	#	20
51) 2-Hexanone	10.12	43	58897	0.574	ppbv	#	99
52) Tetrachloroethene	11.22	164	6510874	118.815	ppbv		96
53) Toluene	9.79	91	58331	0.363	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.10	131	3776	0.049	ppbv	#	8
59) m/p-Xylene	12.98	91	6391	0.034	ppbv	#	30
65) tert-Butylbenzene	16.96	119	133837	0.549	ppbv	#	26
75) 1,3-Dichlorobenzene	16.98	146	5863	0.044	ppbv	#	23
79) Naphthalene	22.17	128	7771	0.048	ppbv	#	93
80) Naphthalene,2-methyl-	24.95	142	2144	0.049	ppbv	#	44

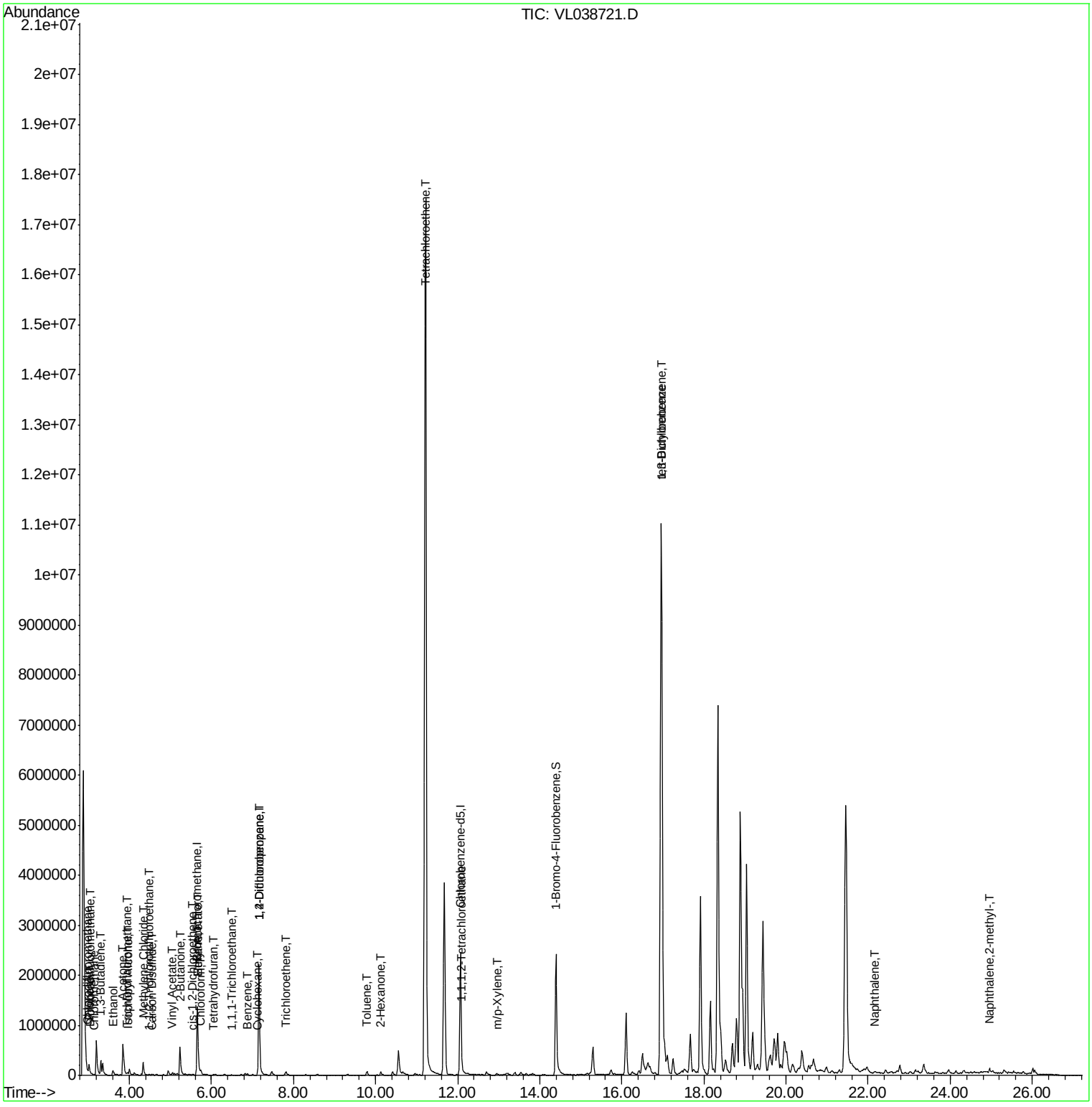
(#) = qualifier out of range (m) = manual integration (+) = signals summed

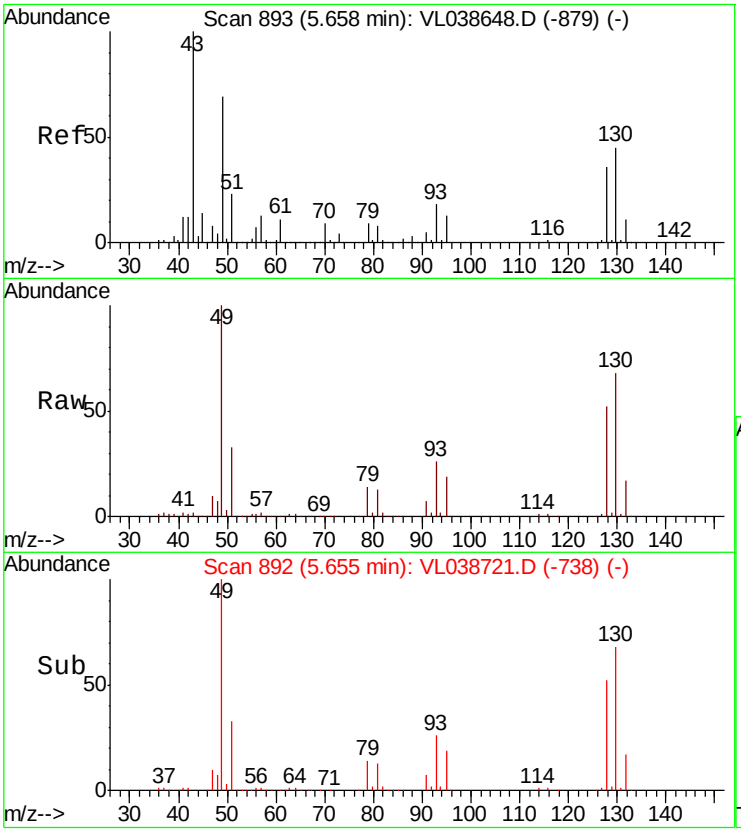
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038721.D
Acq On : 23 Mar 2022 18:31
Operator : SY/AP
Sample : N2047-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Quant Time: Mar 24 04:34:39 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



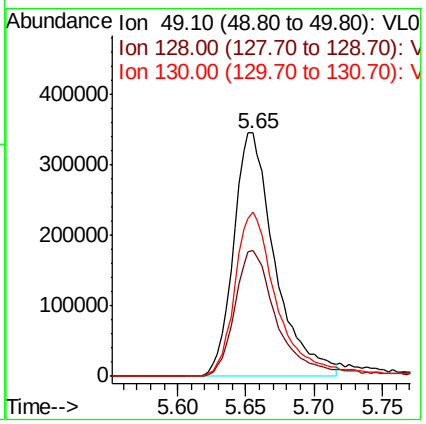


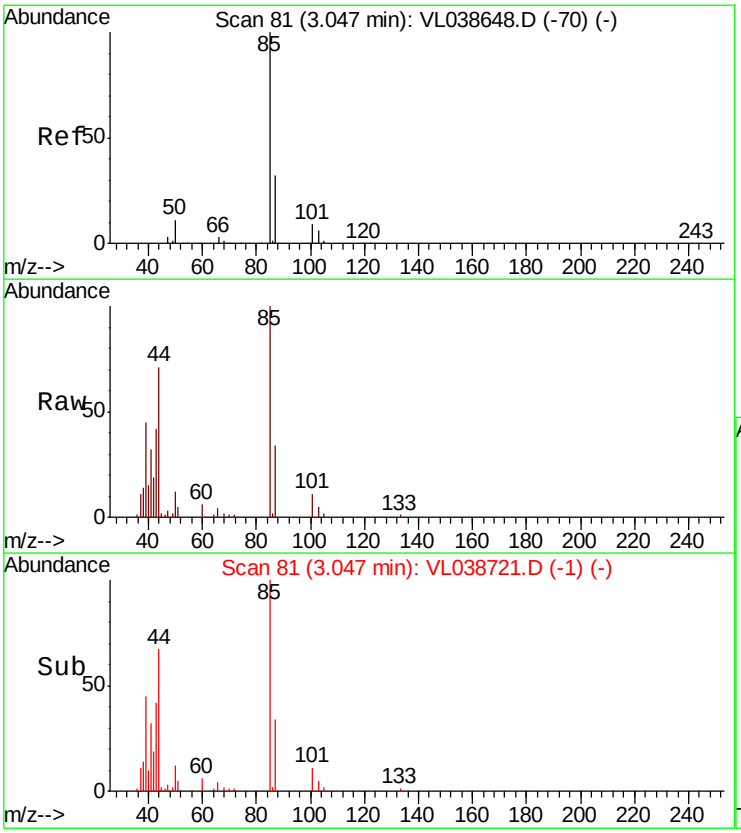
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 49 Resp: 727677

Ion	Ratio	Lower	Upper
49	100		
128	55.3	26.2	78.6
130	72.0	33.7	101.1

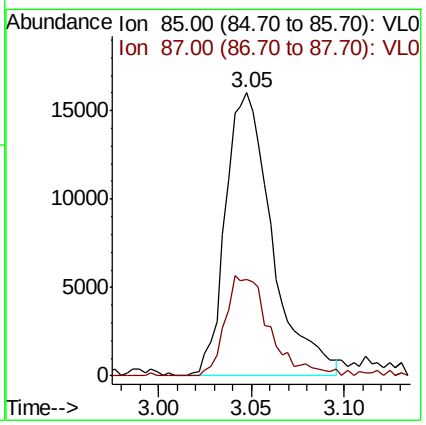


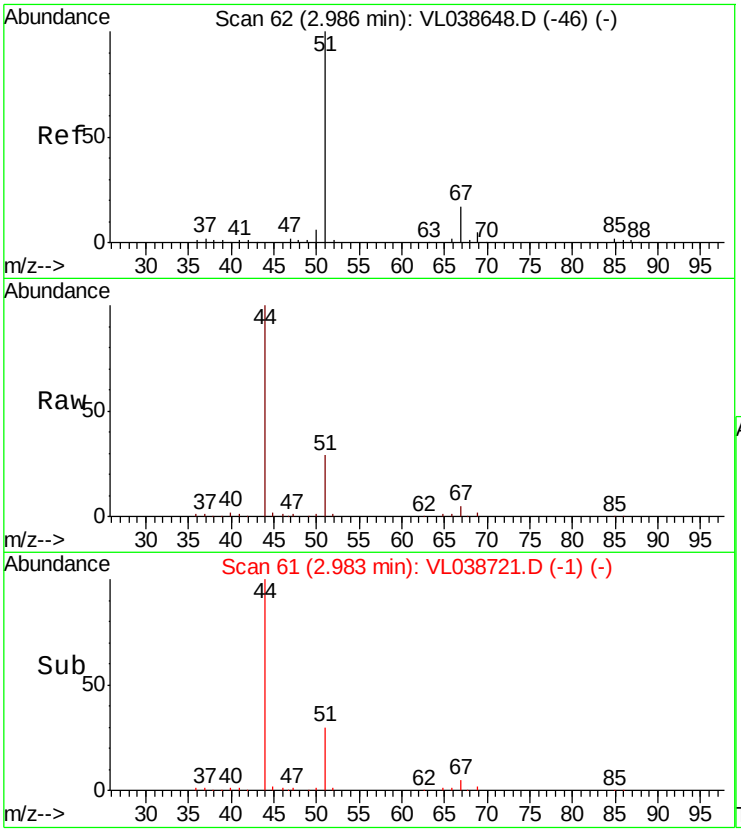


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 85 Resp: 28049

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.0	39.0



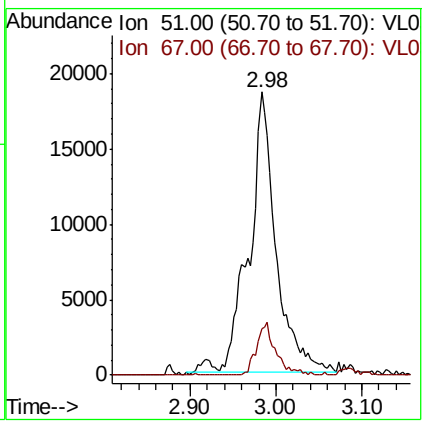


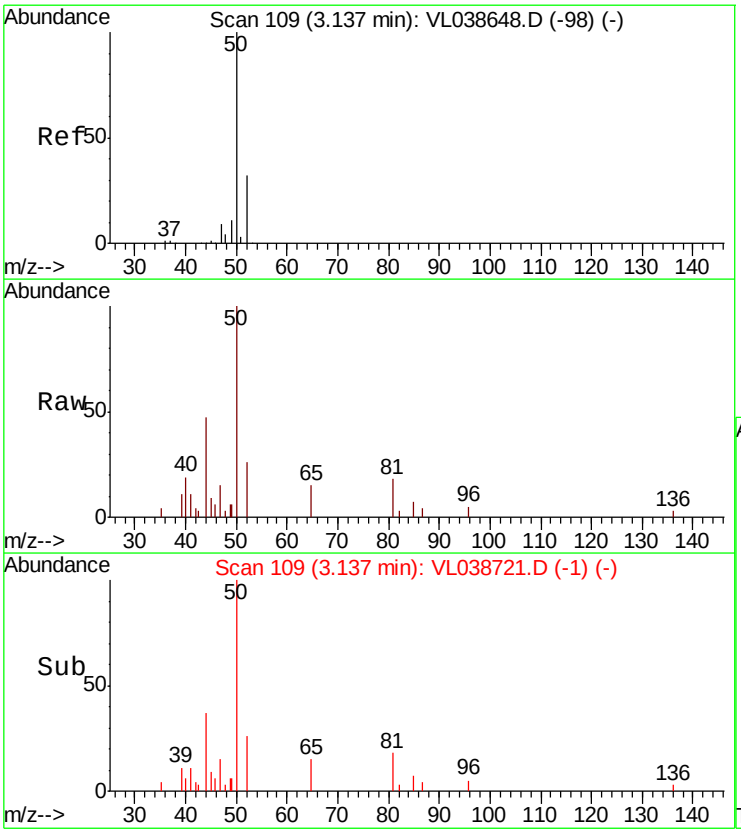
#3
Chlorodifluoromethane
Concen: 0.531 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 51 Resp: 40796

Ion	Ratio	Lower	Upper
51	100		
67	13.4	14.1	21.1#

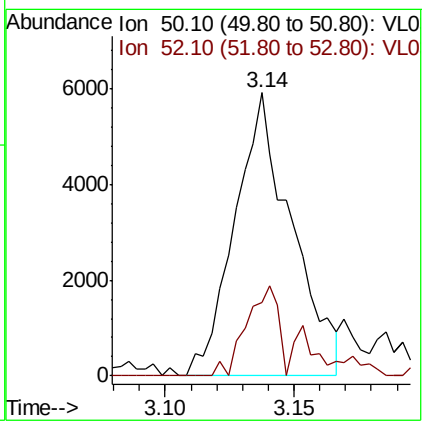


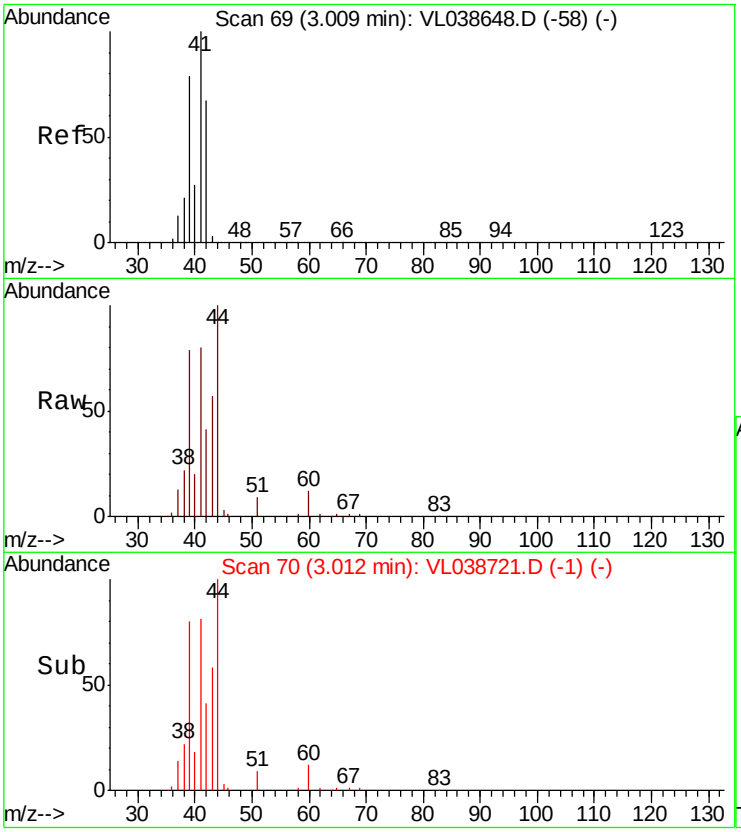


#4
Chloromethane
Concen: 0.216 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 50 Resp: 9127

Ion	Ratio	Lower	Upper
50	100		
52	27.1	25.5	38.3



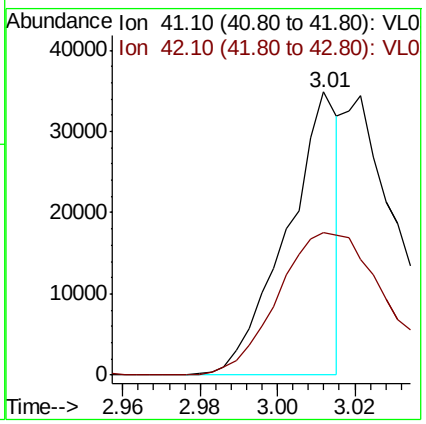


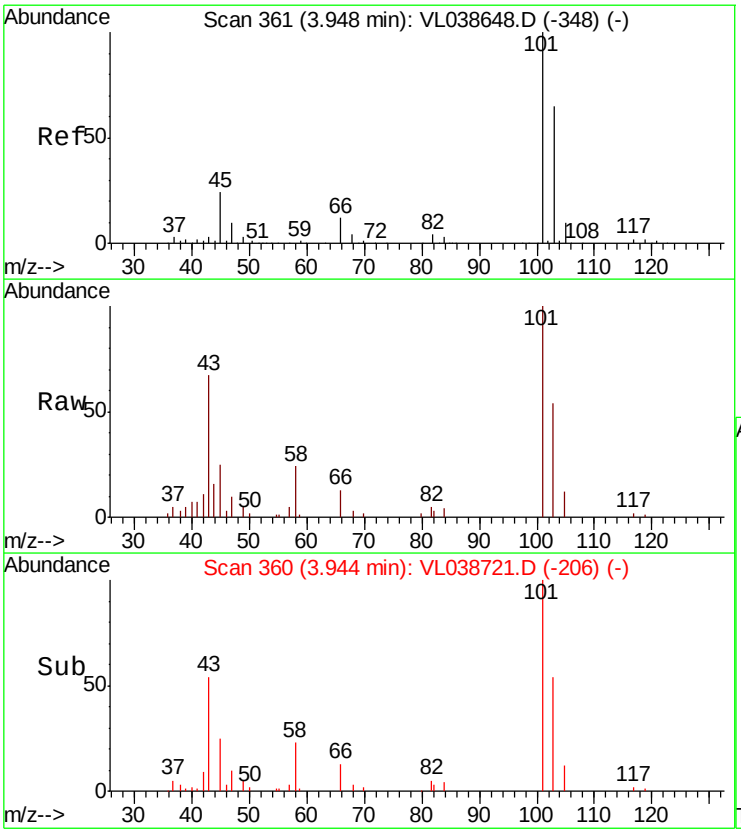
#9
Propene
Concen: 0.874 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 41 Resp: 32424

Ion	Ratio	Lower	Upper
41	100		
42	118.8	56.2	84.4#

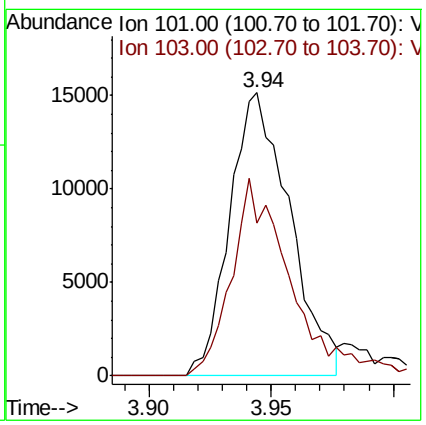


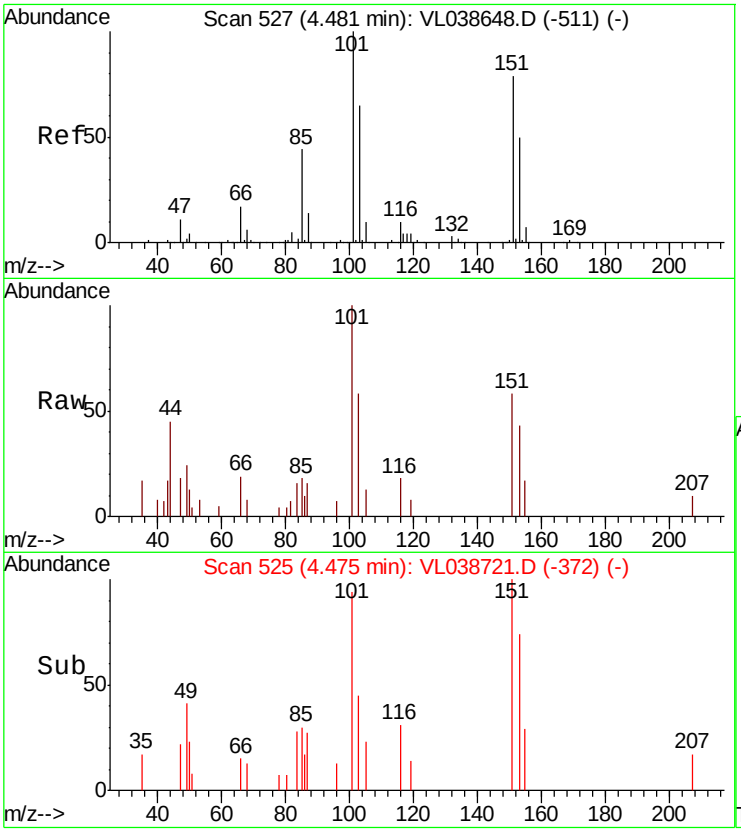


#11
Trichlorofluoromethane
Concen: 0.300 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion:101 Resp: 25941

Ion	Ratio	Lower	Upper
101	100		
103	54.2	51.9	77.9



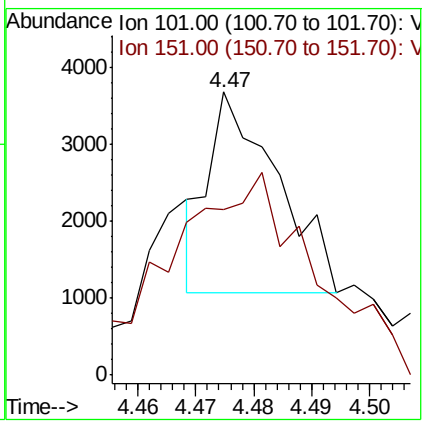


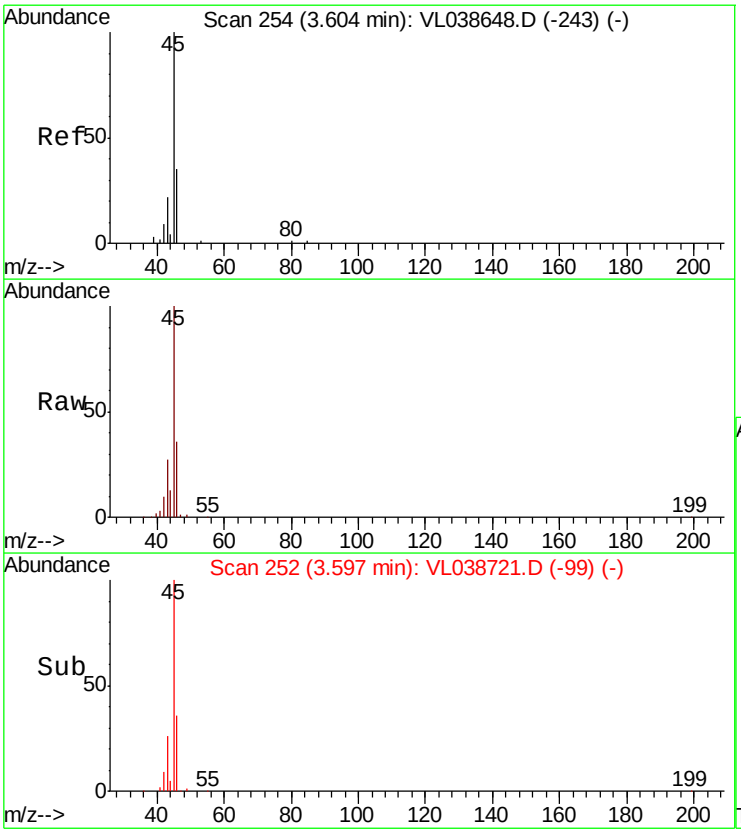
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.032 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:101 Resp: 2124

Ion	Ratio	Lower	Upper
101	100		
151	220.1	62.9	94.3#

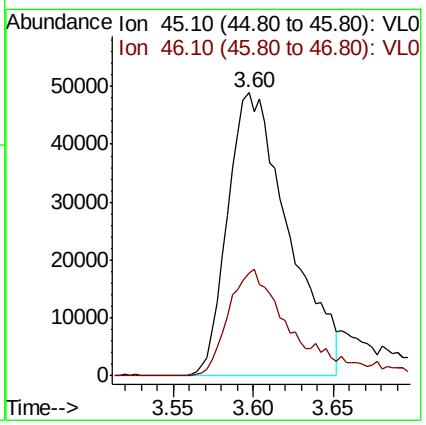


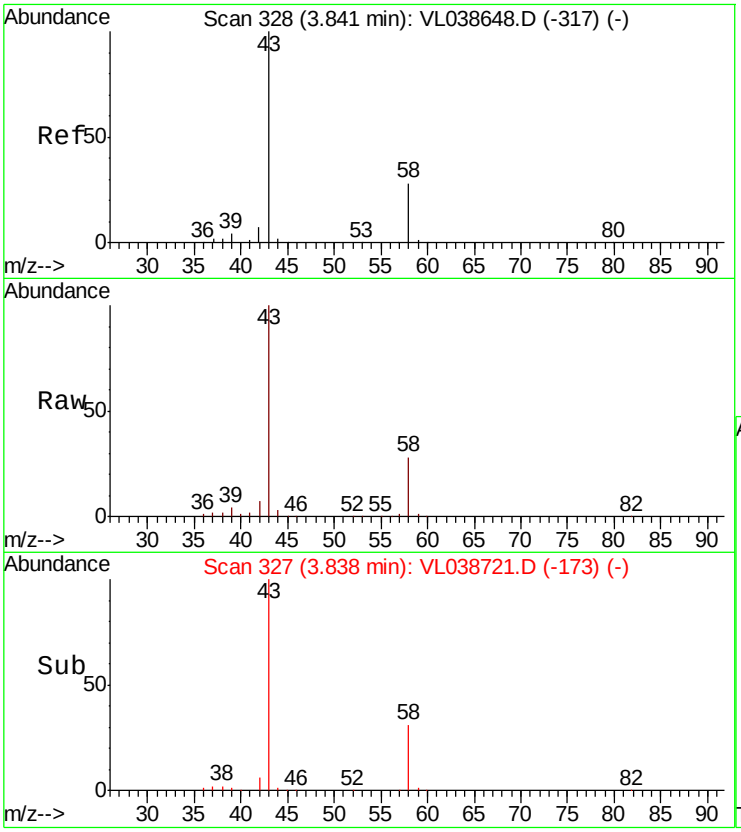


#13
Ethanol
Concen: 31.375 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 45 Resp: 128416

Ion	Ratio	Lower	Upper
45	100		
46	40.8	15.1	60.5



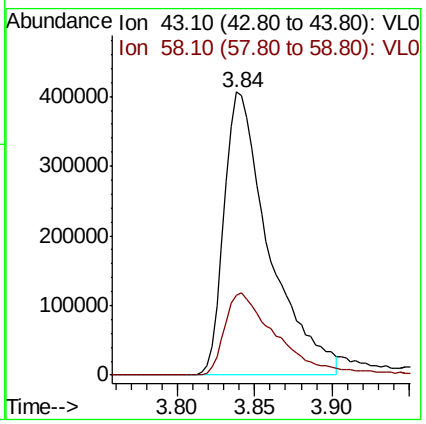


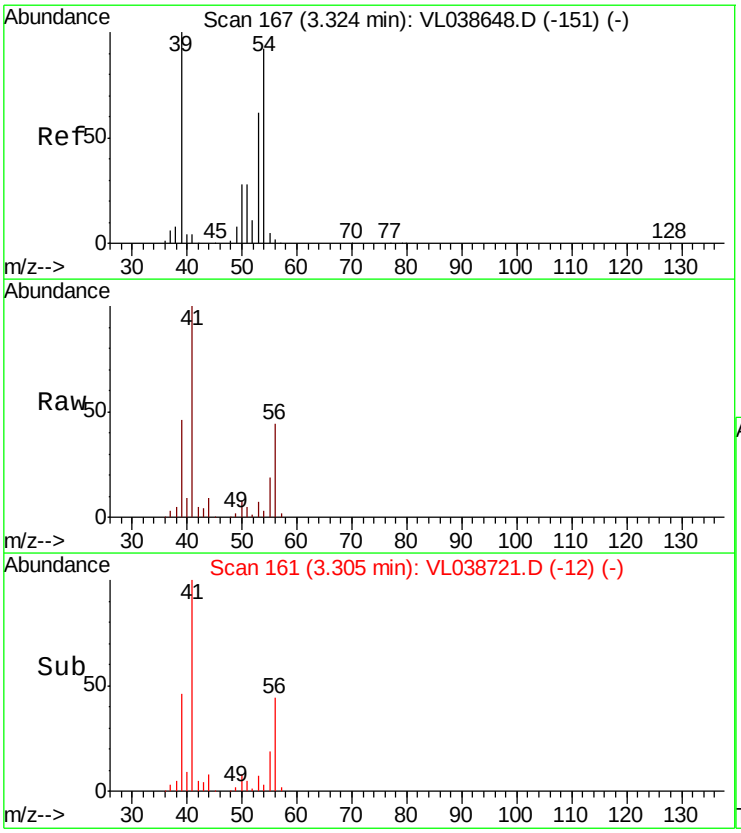
#15
Acetone
Concen: 13.093 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 43 Resp: 822105

Ion	Ratio	Lower	Upper
43	100		
58	35.2	23.3	34.9#

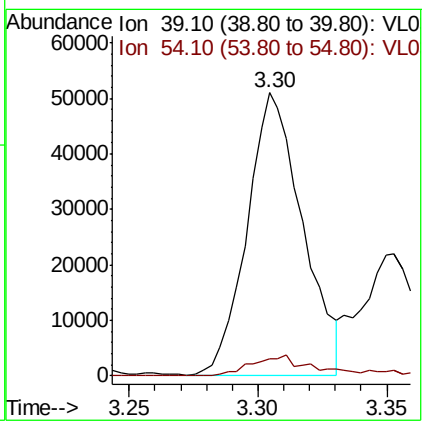


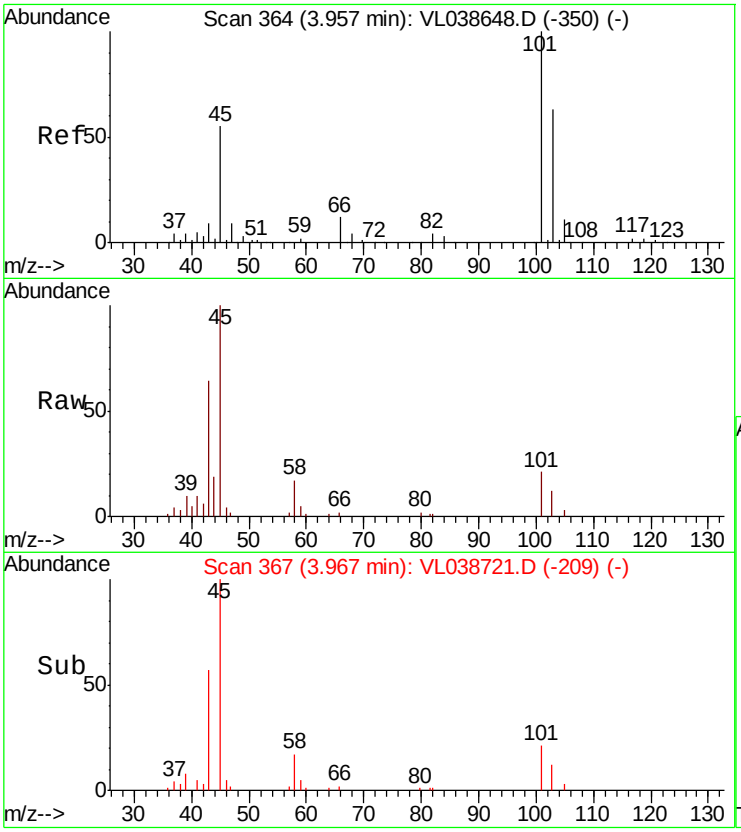


#16
1,3-Butadiene
Concen: 2.162 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 39 Resp: 77056

Ion	Ratio	Lower	Upper
39	100		
54	9.4	69.1	103.7#



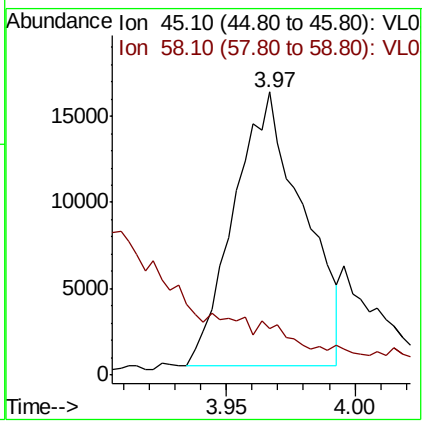


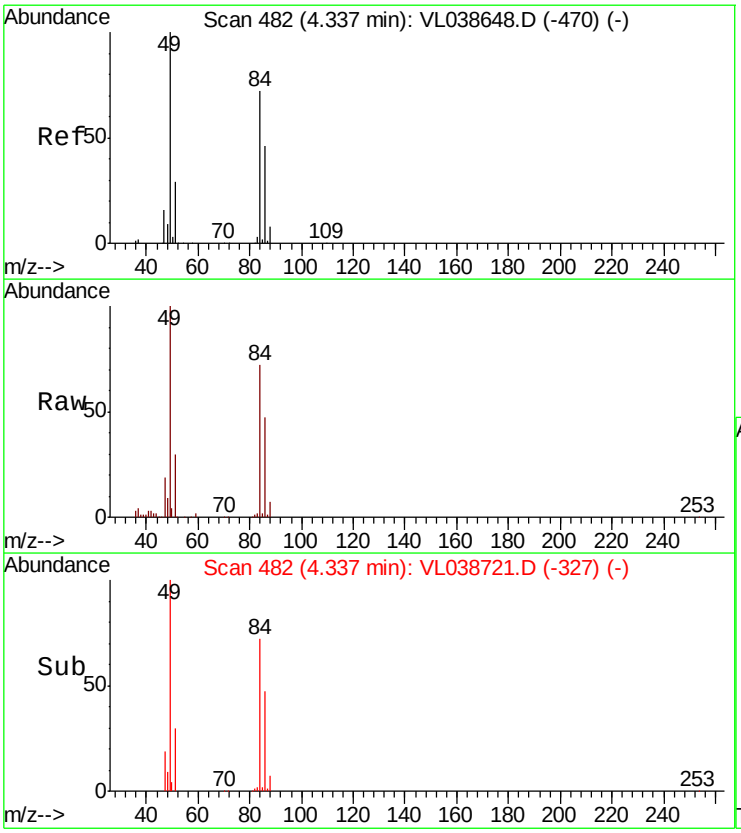
#19
Isopropyl Alcohol
Concen: 0.856 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 45 Resp: 29807

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#

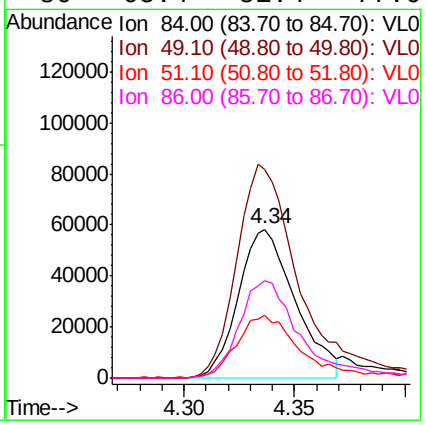


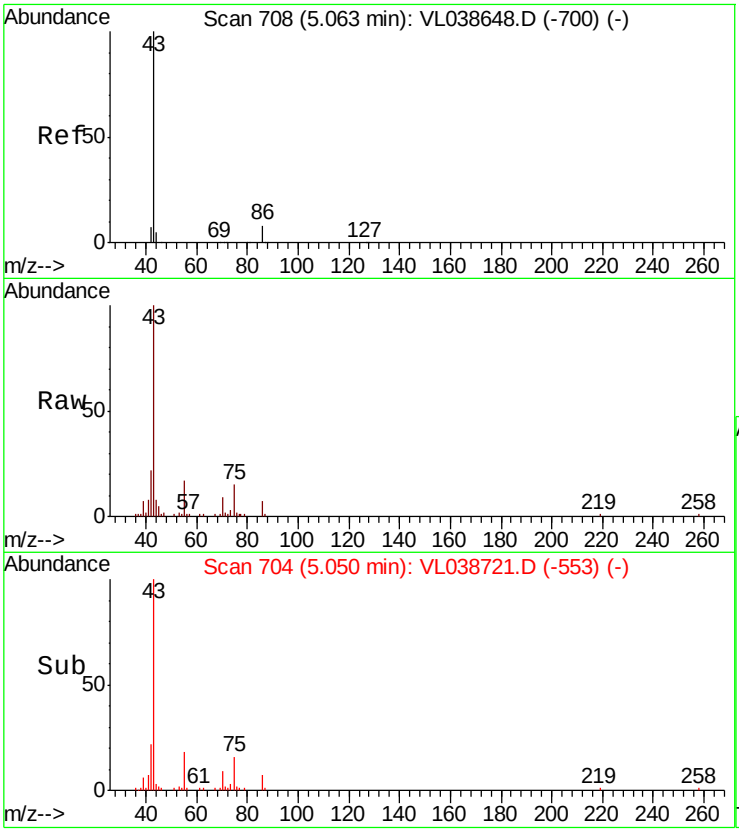


#20
Methylene Chloride
Concen: 3.940 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 84 Resp: 104209

Ion	Ratio	Lower	Upper
84	100		
49	138.9	111.2	166.8
51	41.5	32.8	49.2
86	65.4	51.4	77.0



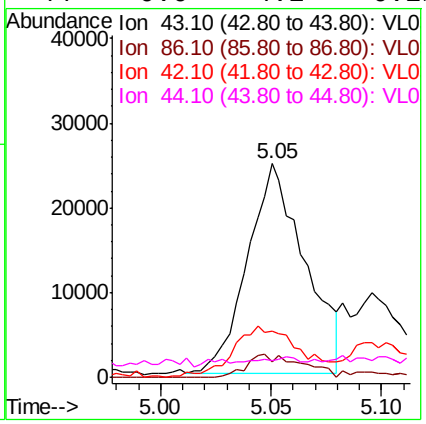


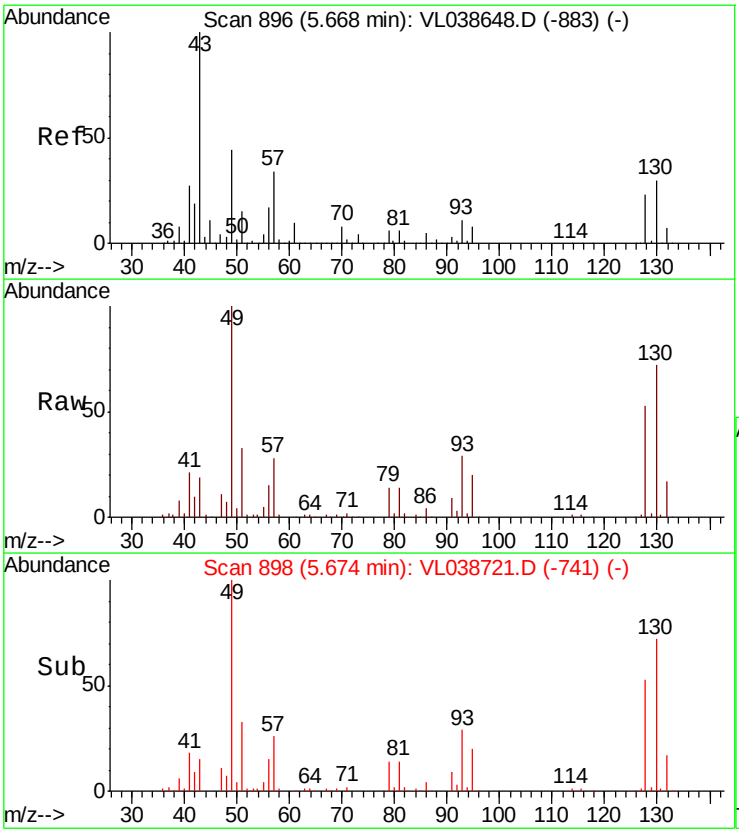
#23
Vinyl Acetate
Concen: 0.731 ppbv
RT: 5.05
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 43 Resp: 44419

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.6	8.4
42	19.8	6.8	10.2#
44	0.0	4.2	6.2#

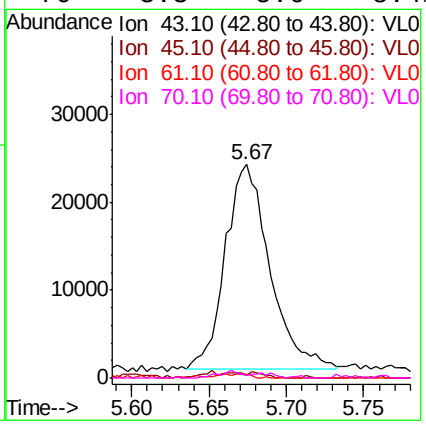


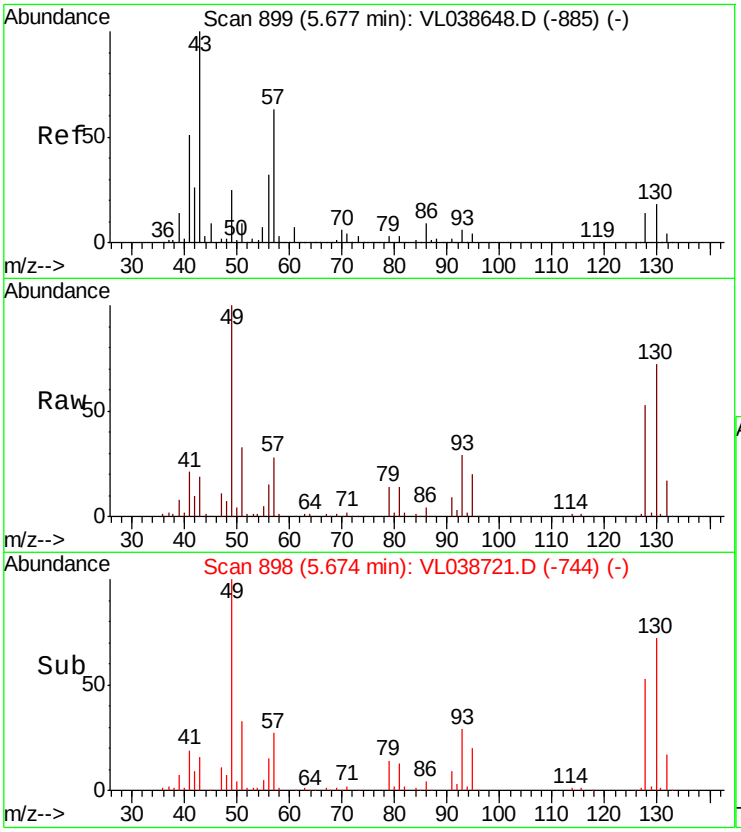


#25
Ethyl Acetate
Concen: 0.297 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 43 Resp: 46911

Ion	Ratio	Lower	Upper
43	100		
45	3.8	8.2	12.4#
61	1.9	8.3	12.5#
70	3.3	5.6	8.4#



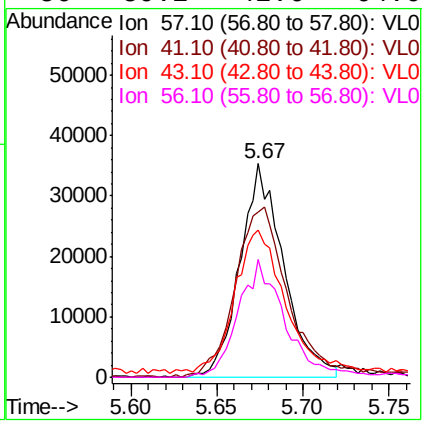


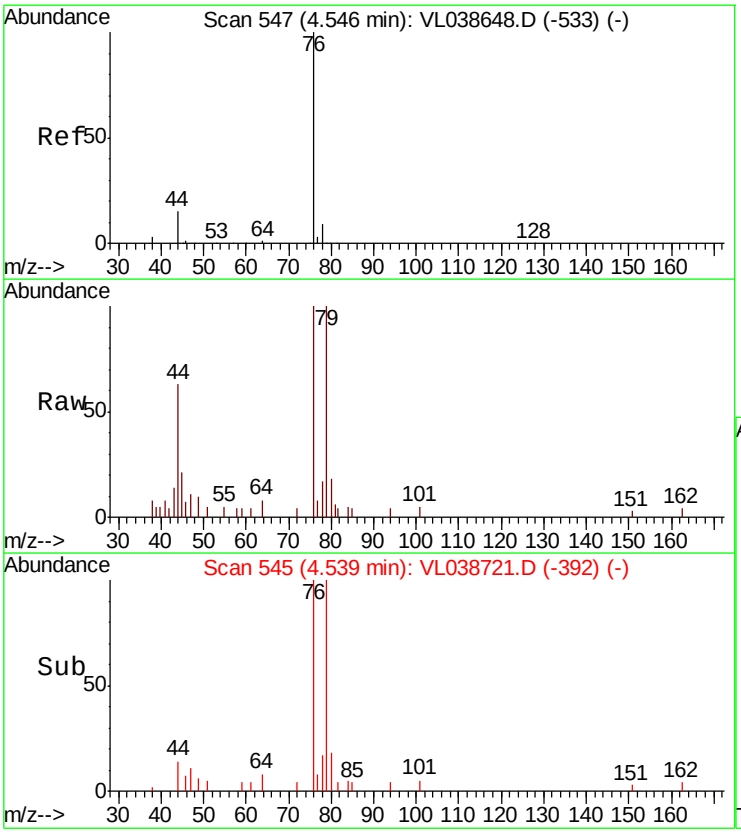
#26
Hexane
Concen: 0.881 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 57 Resp: 62357

Ion	Ratio	Lower	Upper
57	100		
41	98.6	67.0	100.4
43	82.2	184.2	276.2#
56	59.2	42.6	64.0

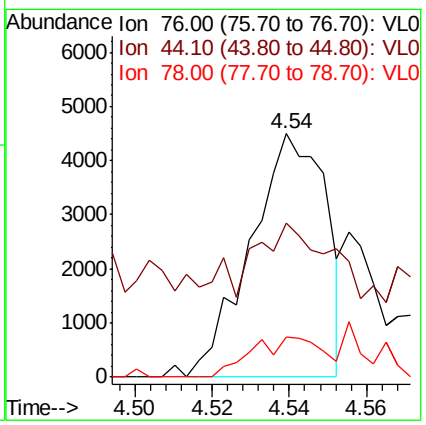


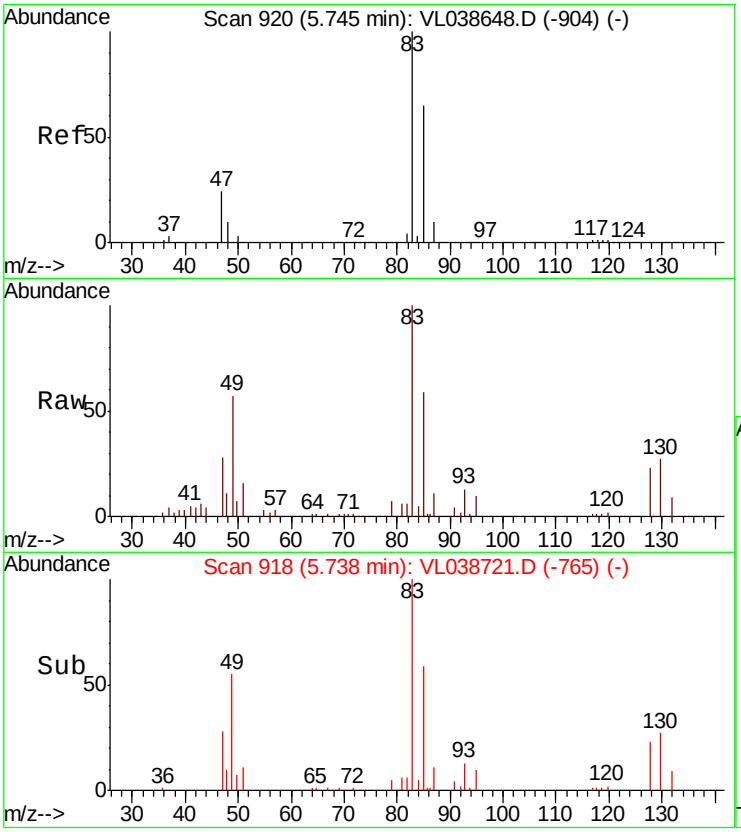


#27
Carbon Disulfide
Concen: 0.087 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 76 Resp: 6073

Ion	Ratio	Lower	Upper
76	100		
44	30.6	12.4	18.6#
78	0.0	7.8	11.8#



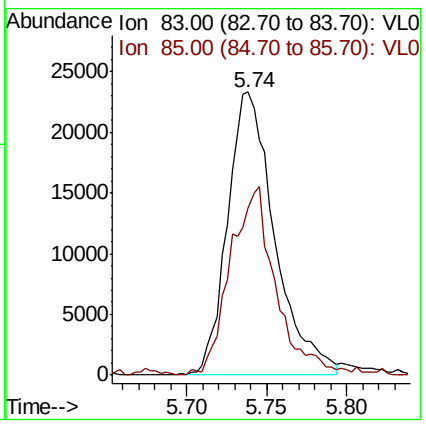


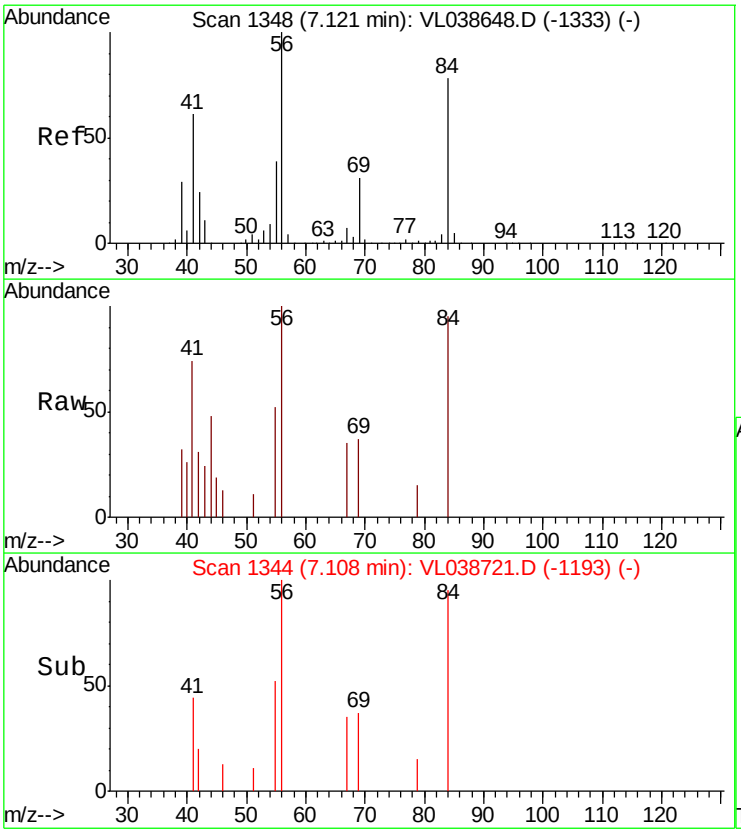
#29
Chloroform
Concen: 0.416 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 83 Resp: 47116

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.7	77.5

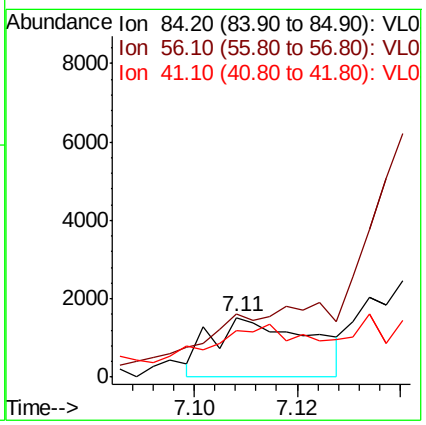


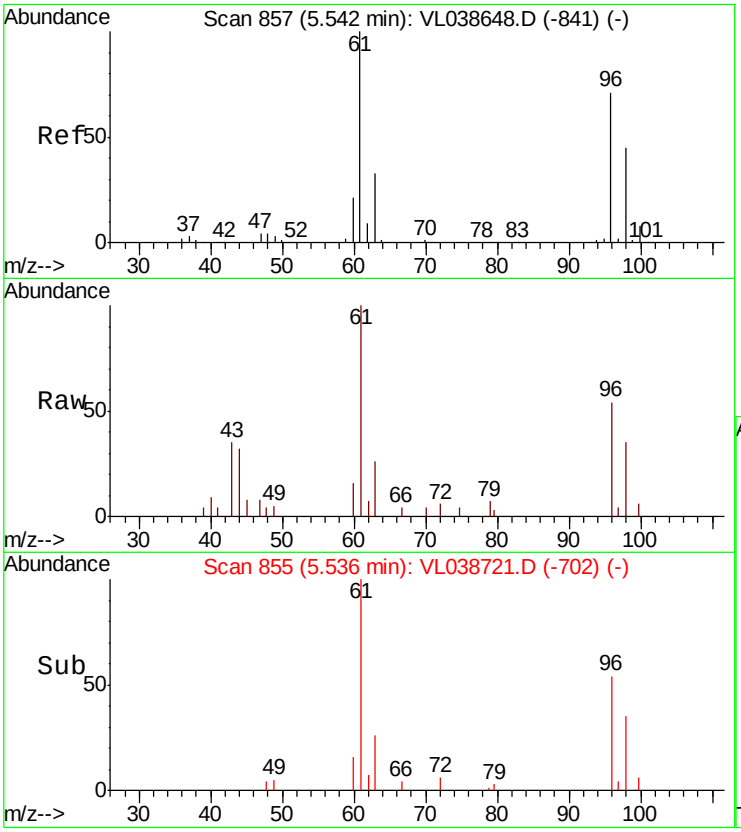


#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 84 Resp: 1999

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.2	162.4#
41	170.5	61.8	92.6#



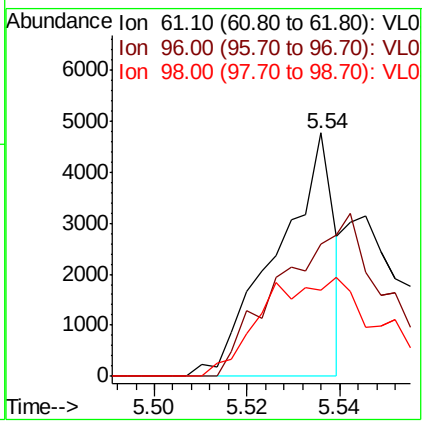


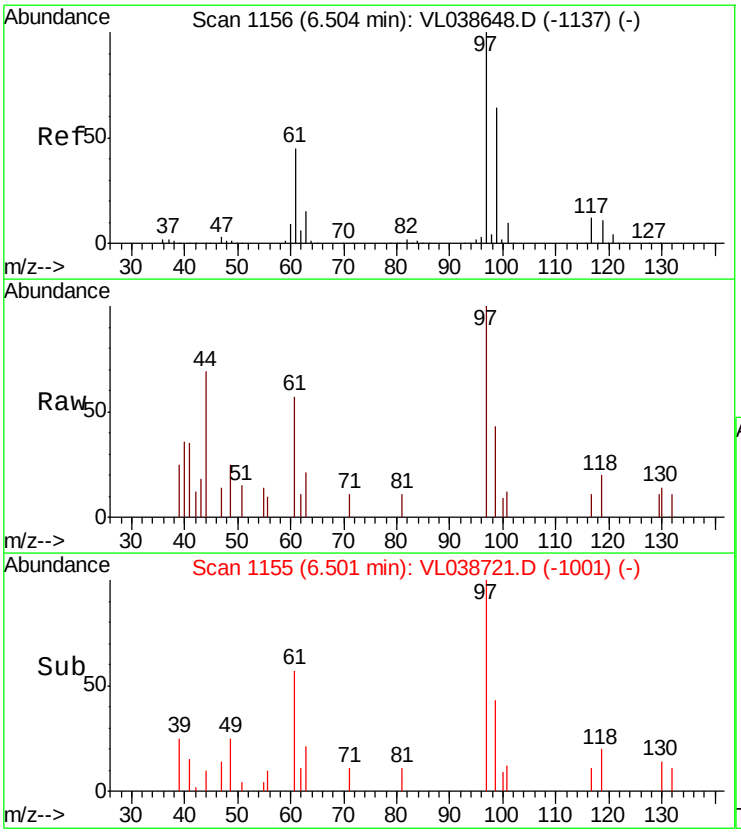
#31
cis-1,2-Dichloroethene
Concen: 0.061 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 61 Resp: 4076

Ion	Ratio	Lower	Upper
61	100		
96	54.2	56.6	84.8#
98	35.2	36.3	54.5#

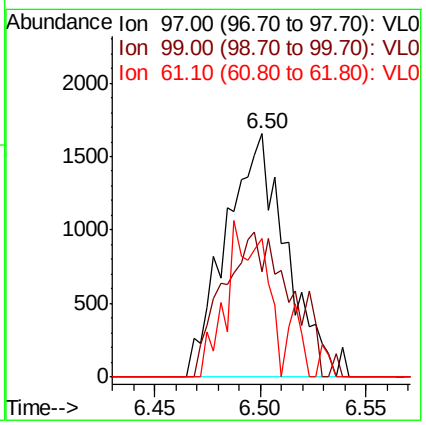


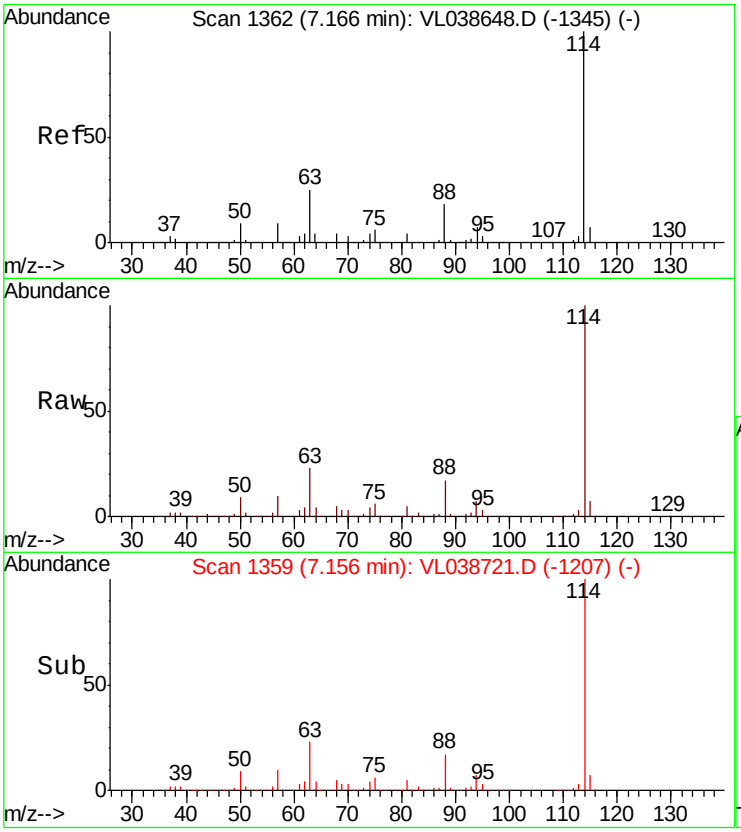


#32
1,1,1-Trichloroethane
Concen: 0.030 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 97 Resp: 3282

Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.8	77.8
61	49.5	36.7	55.1



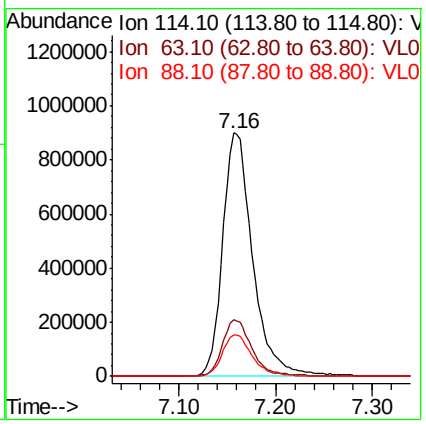


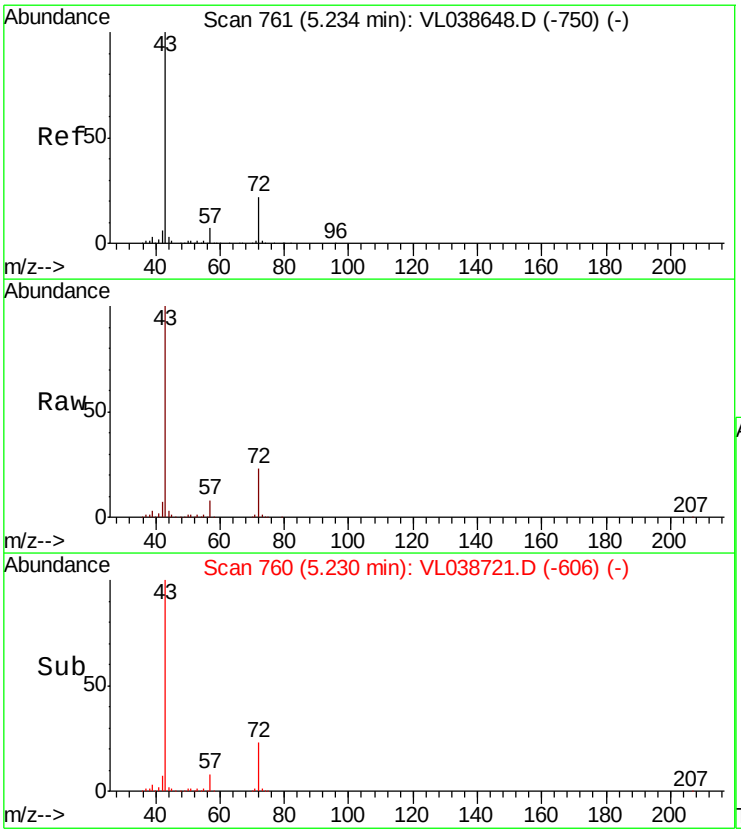
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:114 Resp: 1940241

Ion	Ratio	Lower	Upper
114	100		
63	23.2	19.4	29.0
88	17.3	13.9	20.9

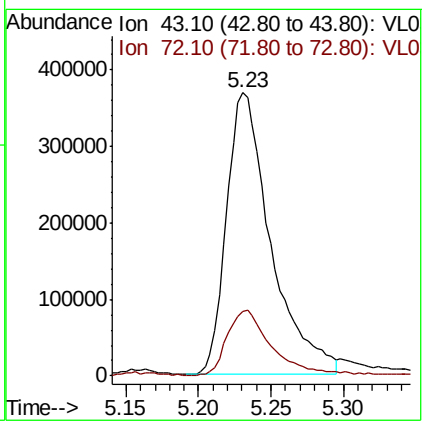


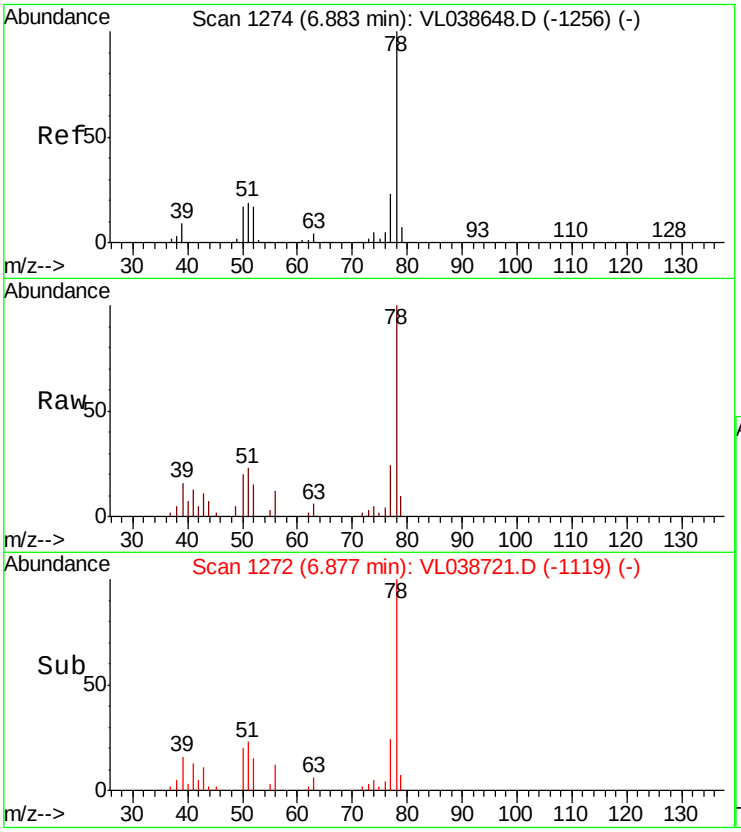


#34
2-Butanone
Concen: 10.230 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.00 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 43 Resp: 785623

Ion	Ratio	Lower	Upper
43	100		
72	25.2	17.8	26.8



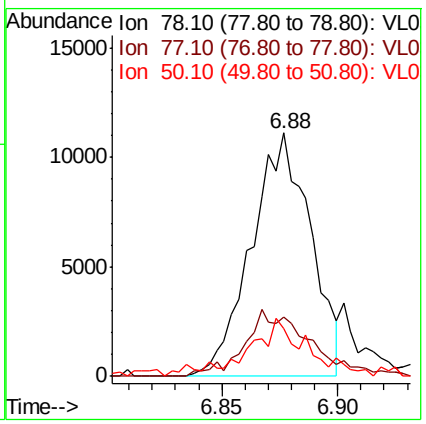


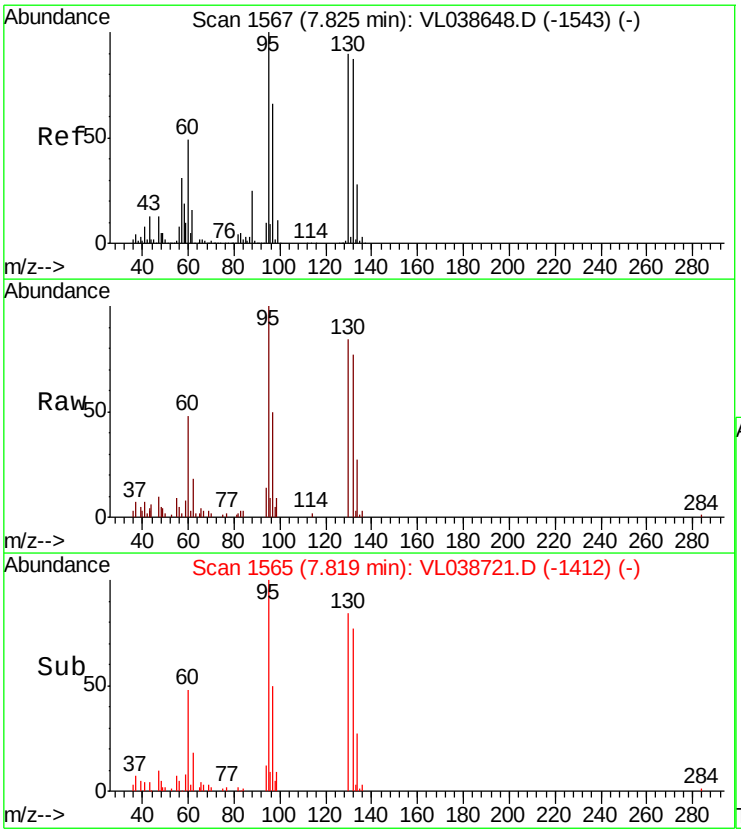
#36
Benzene
Concen: 0.132 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 78 Resp: 19768

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.1	27.1
50	15.1	13.6	20.4

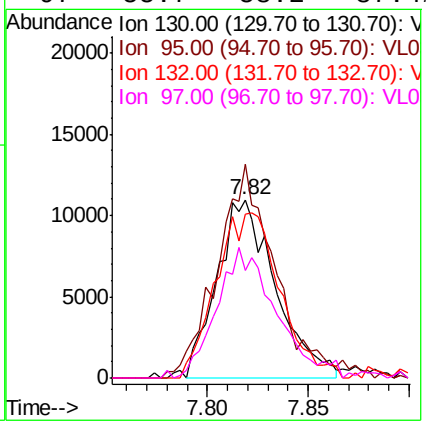


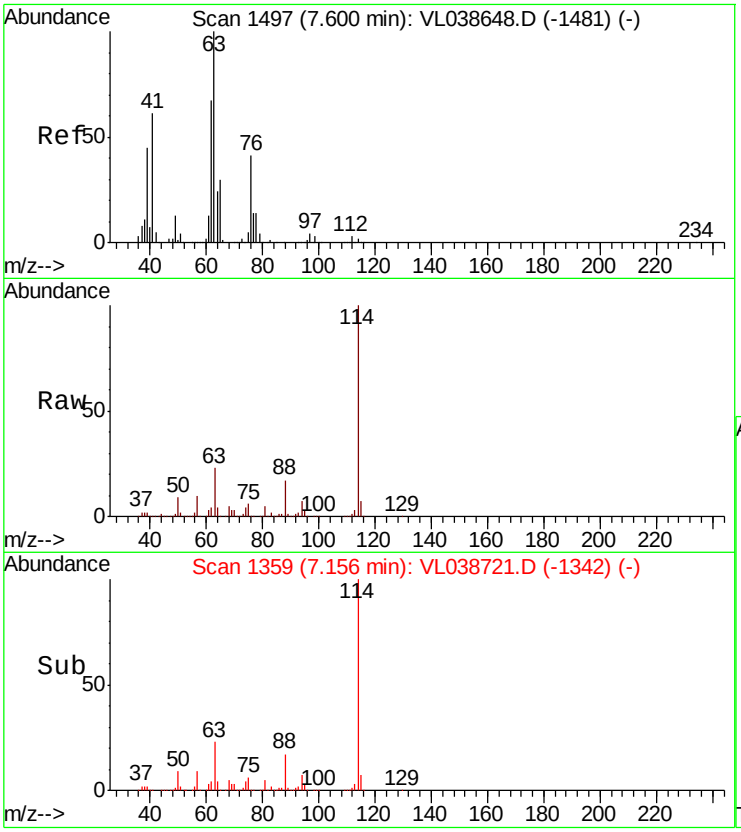


#38
Trichloroethene
Concen: 0.354 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion:130 Resp: 22184

Ion	Ratio	Lower	Upper
130	100		
95	113.5	88.9	133.3
132	85.6	77.4	116.0
97	55.7	58.2	87.4#



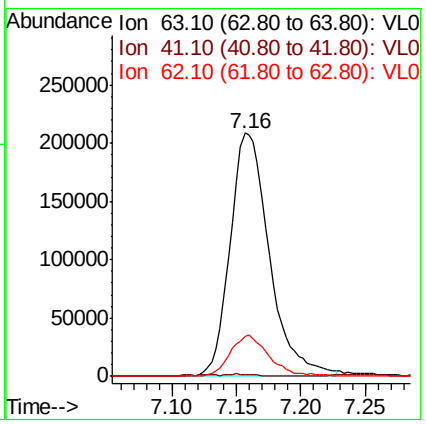


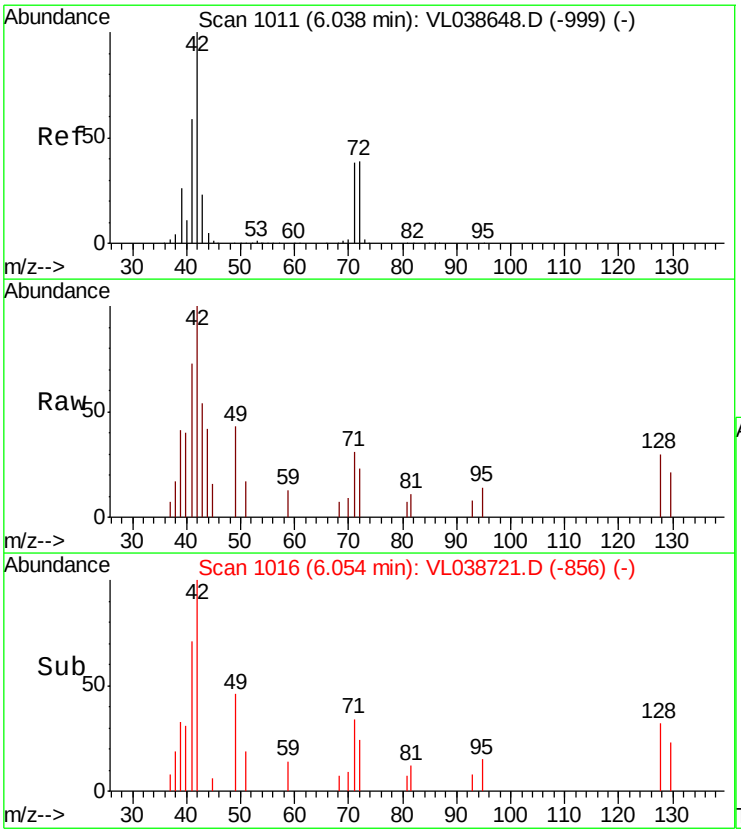
#39
1,2-Dichloropropane
Concen: 7.575 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 63 Resp: 443438

Ion	Ratio	Lower	Upper
63	100		
41	0.2	49.0	73.6#
62	16.5	53.9	80.9#

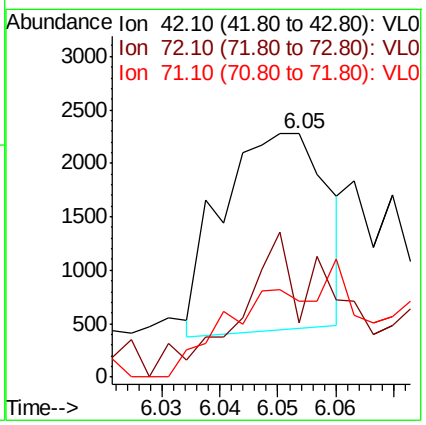


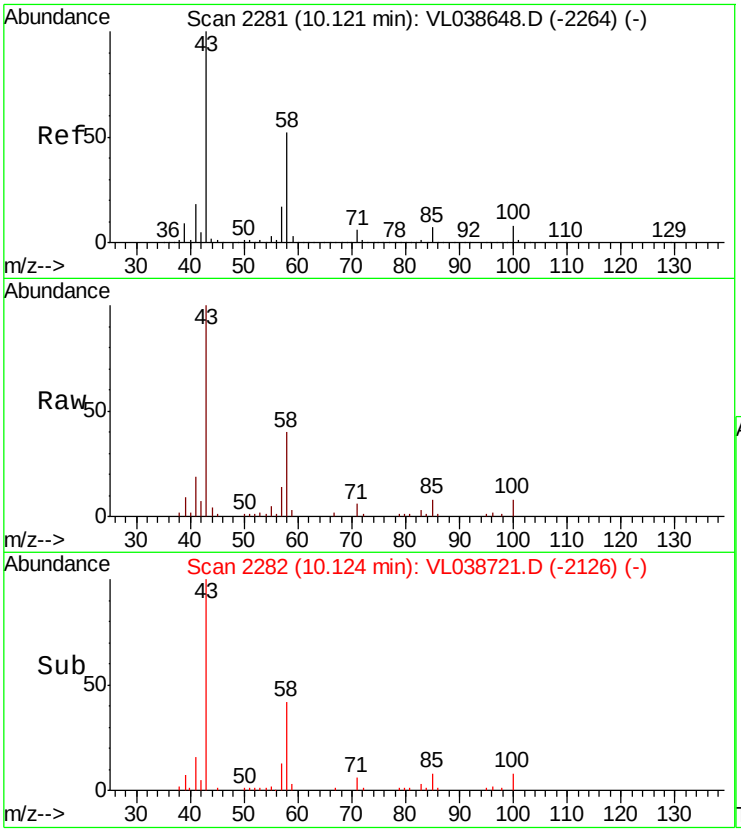


#41
Tetrahydrofuran
Concen: 0.041 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 42 Resp: 2326

Ion	Ratio	Lower	Upper
42	100		
72	100.5	32.5	48.7#
71	0.0	31.4	47.2#



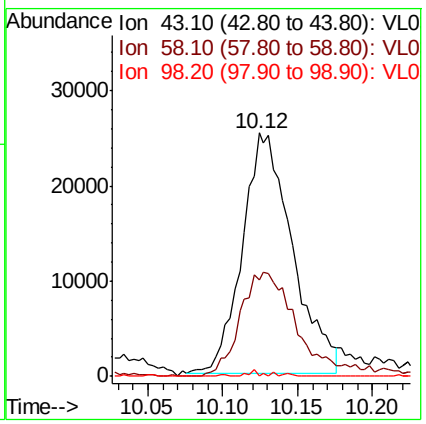


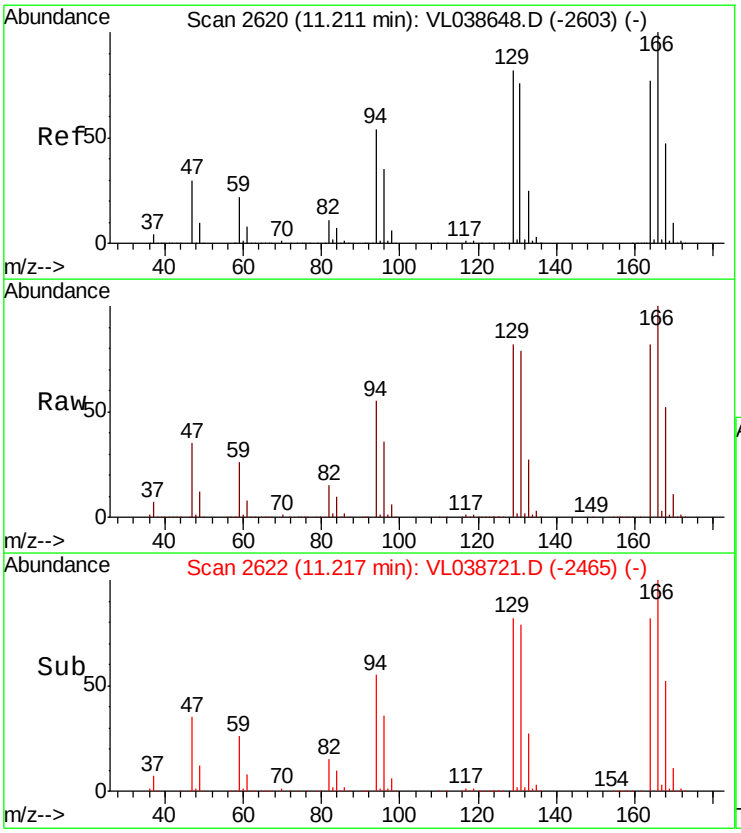
#51
2-Hexanone
Concen: 0.574 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 43 Resp: 58897

Ion	Ratio	Lower	Upper
43	100		
58	51.0	41.2	61.8
98	1.0	0.2	0.4#

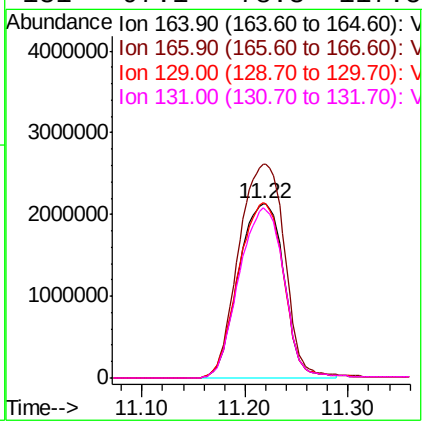


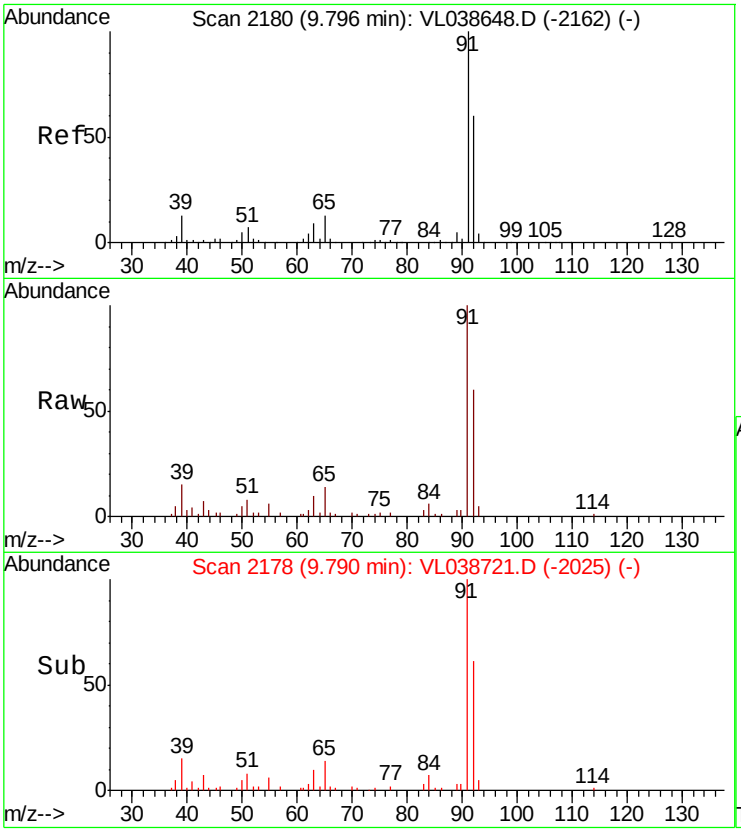


#52
Tetrachloroethene
Concen: 118.815 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion:164 Resp: 6510874

Ion	Ratio	Lower	Upper
164	100		
166	122.3	103.3	154.9
129	100.1	85.2	127.8
131	97.1	78.3	117.5



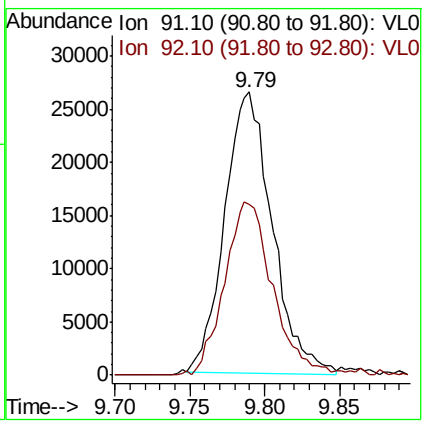


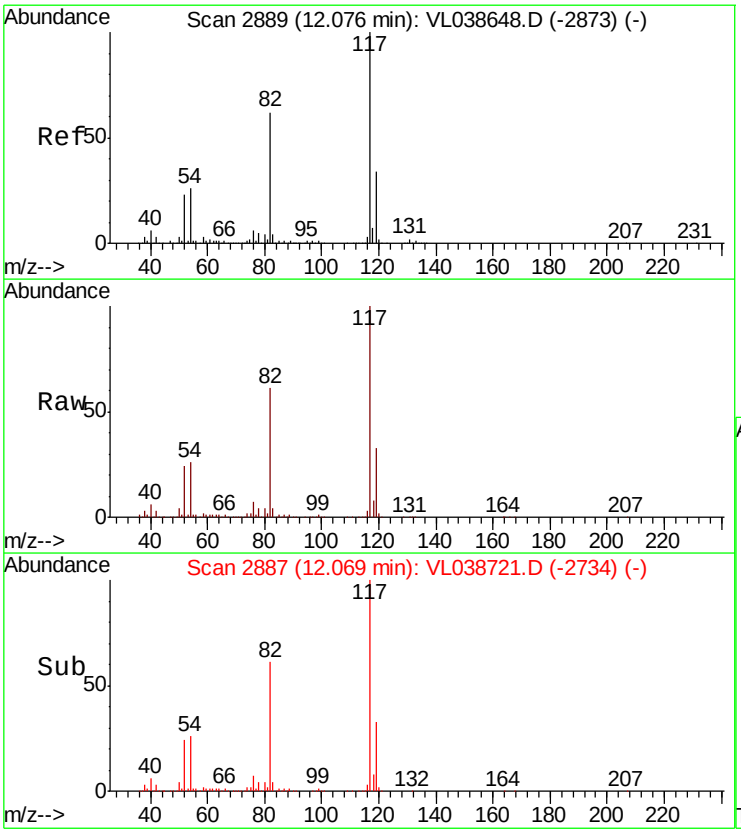
#53
Toluene
Concen: 0.363 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion: 91 Resp: 58331

Ion	Ratio	Lower	Upper
91	100		
92	63.4	48.7	73.1

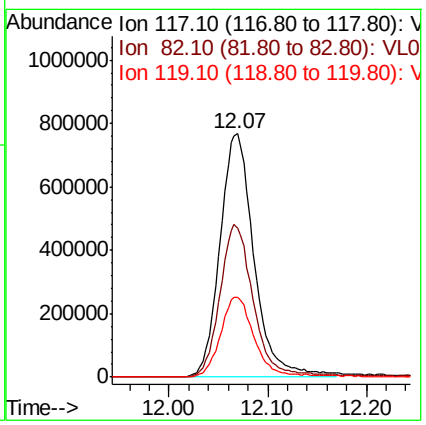


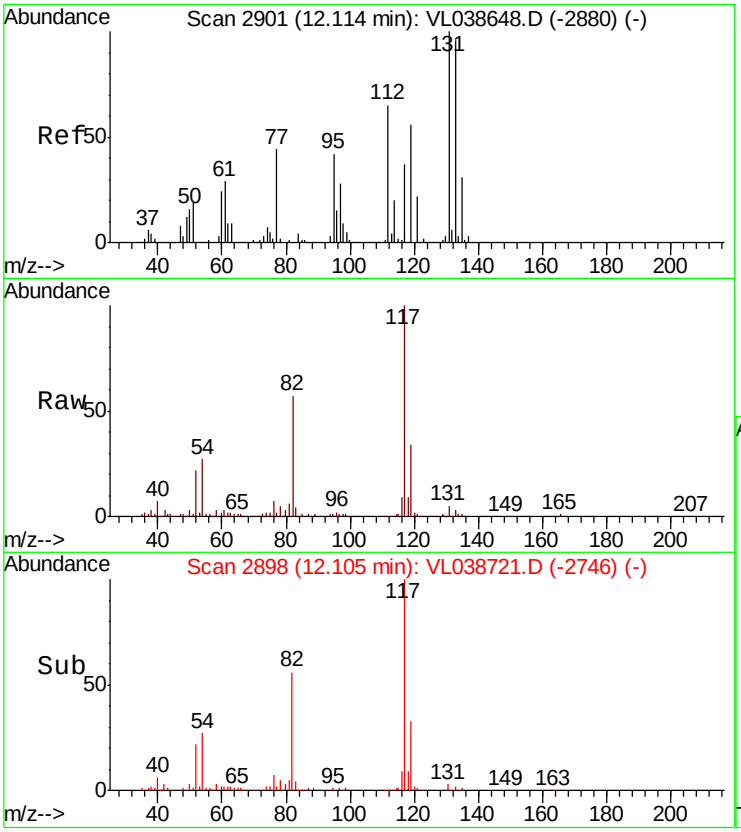


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion:117 Resp: 1859827

Ion	Ratio	Lower	Upper
117	100		
82	63.6	51.6	77.4
119	33.5	26.9	40.3



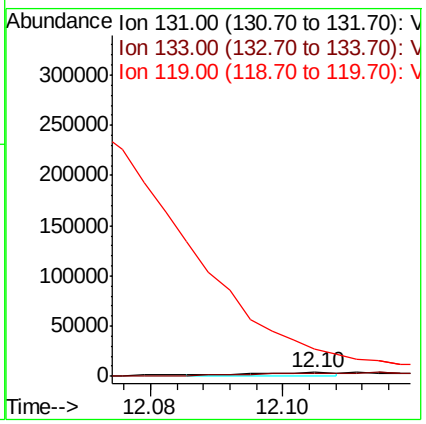


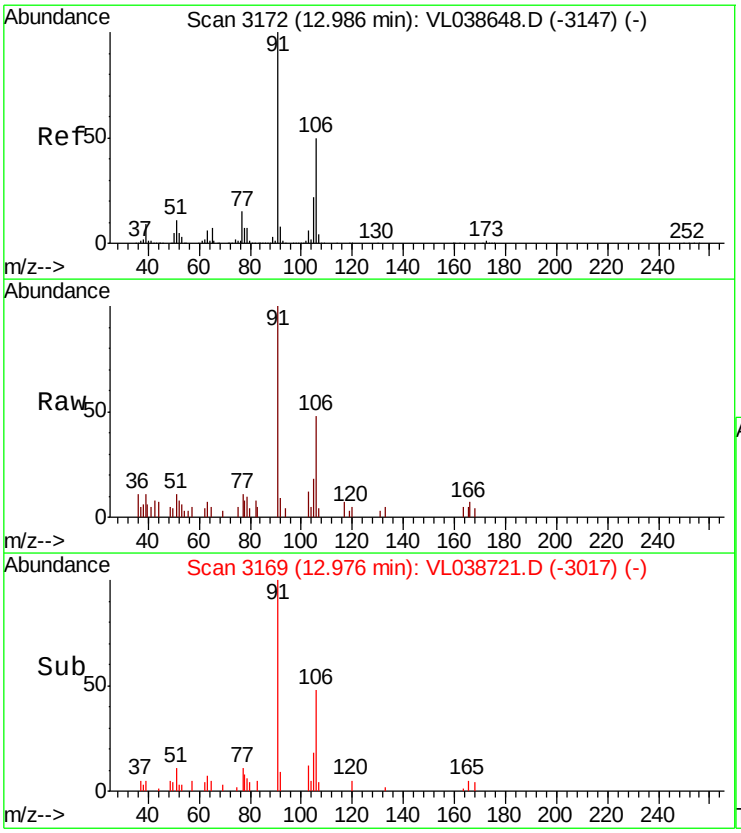
#56
1,1,1,2-Tetrachloroethane
Concen: 0.049 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:131 Resp: 3776

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.3	115.9#
119	0.0	53.0	79.6#

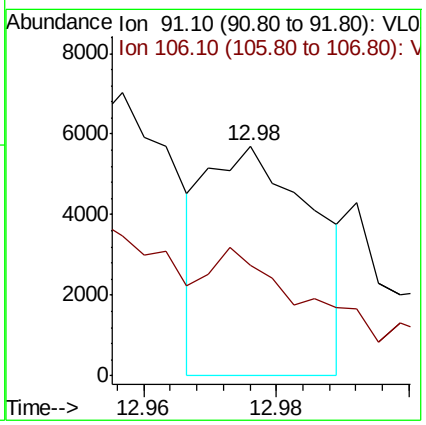


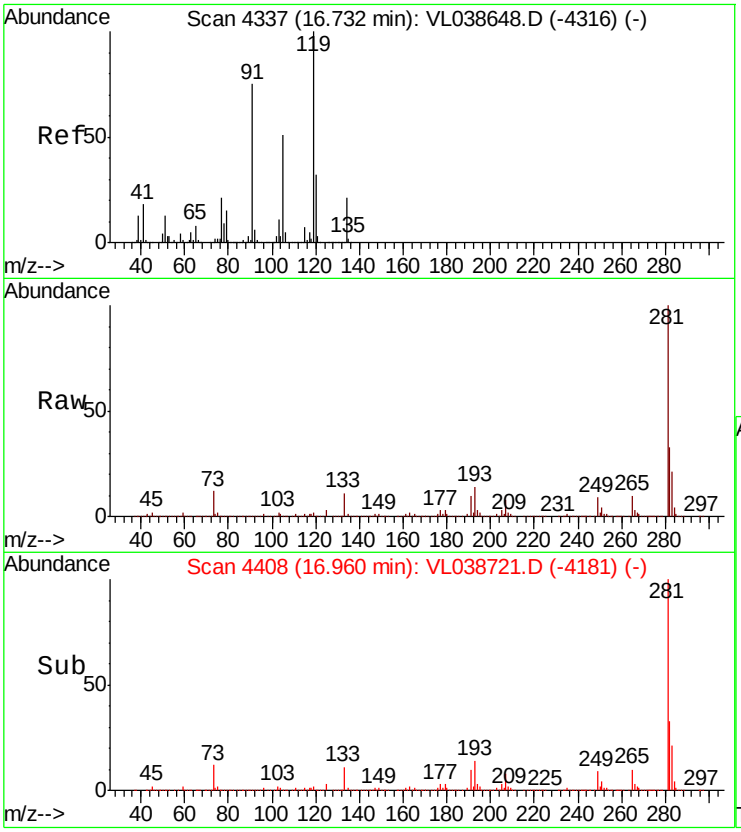


#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 91 Resp: 6391

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#



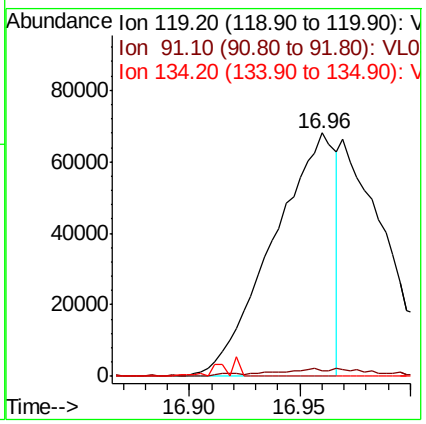


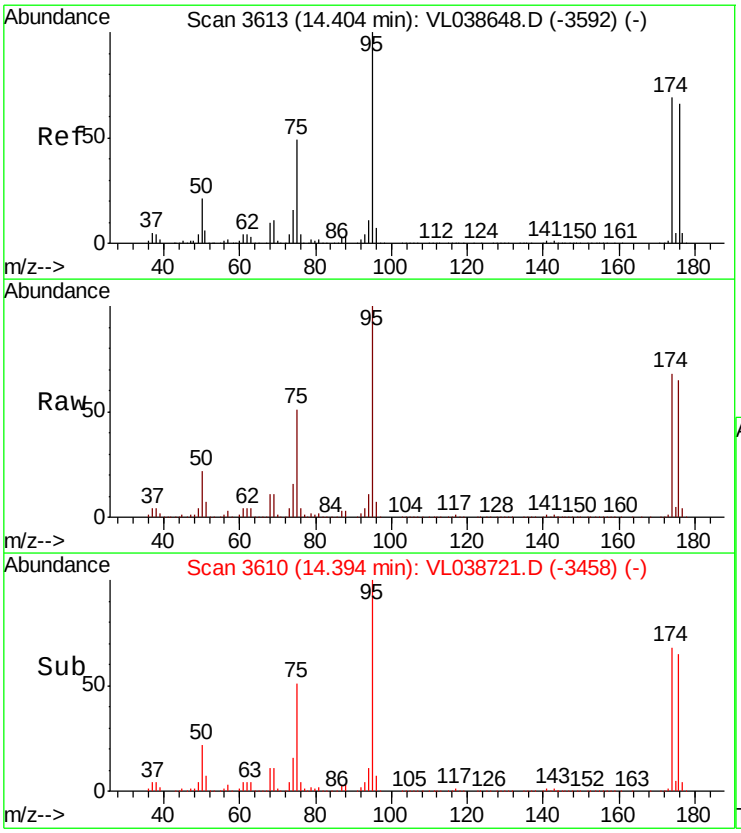
#65
tert-Butylbenzene
Concen: 0.549 ppbv
RT: 16.96
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:119 Resp: 133837

Ion	Ratio	Lower	Upper
119	100		
91	5.4	61.2	91.8#
134	1.2	16.3	24.5#

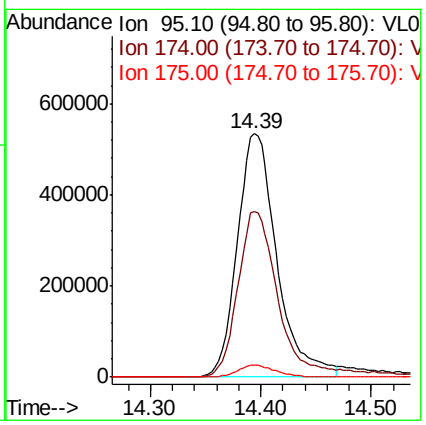


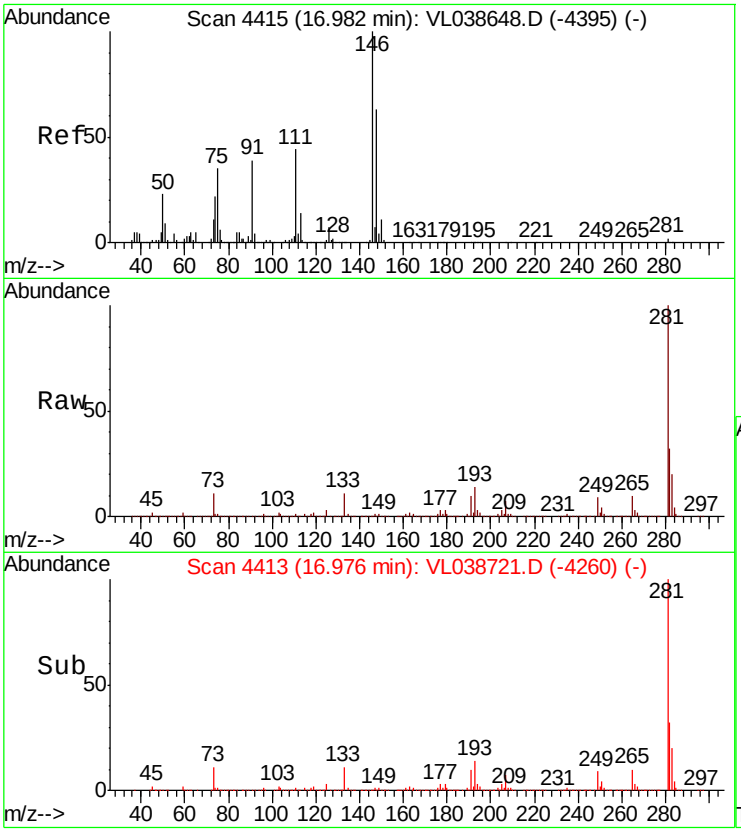


#68
1-Bromo-4-Fluorobenzene
Concen: 9.326 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion: 95 Resp: 1329780

Ion	Ratio	Lower	Upper
95	100		
174	72.4	56.1	84.1
175	5.2	4.2	6.2



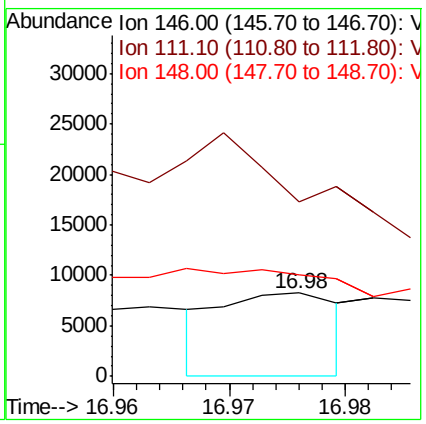


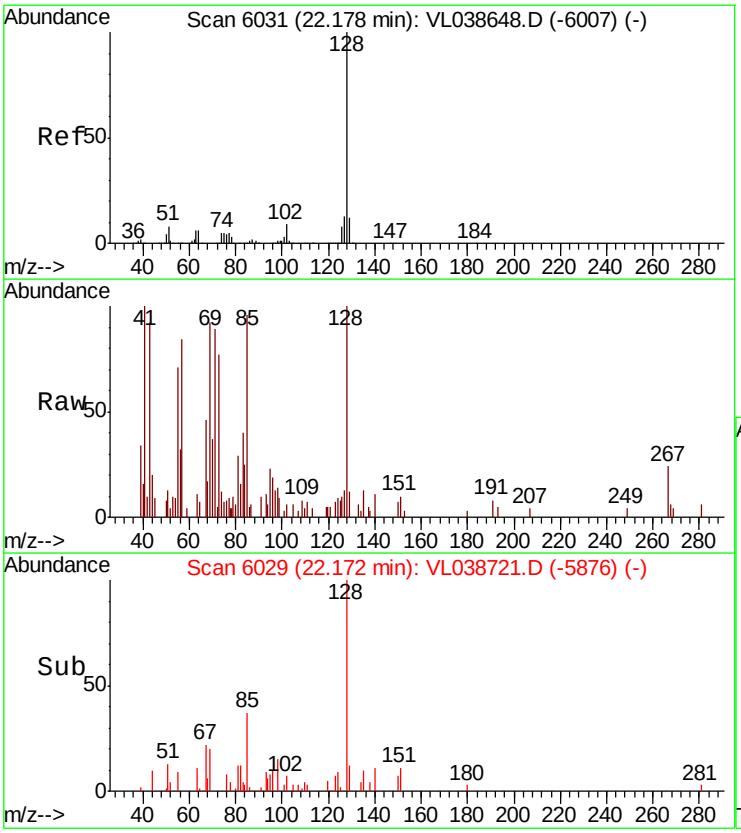
#75
1,3-Dichlorobenzene
Concen: 0.044 ppbv
RT: 16.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:146 Resp: 5863

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.2	66.6#
148	0.0	32.5	97.5#

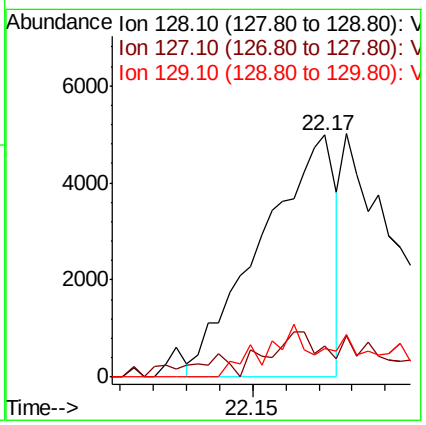


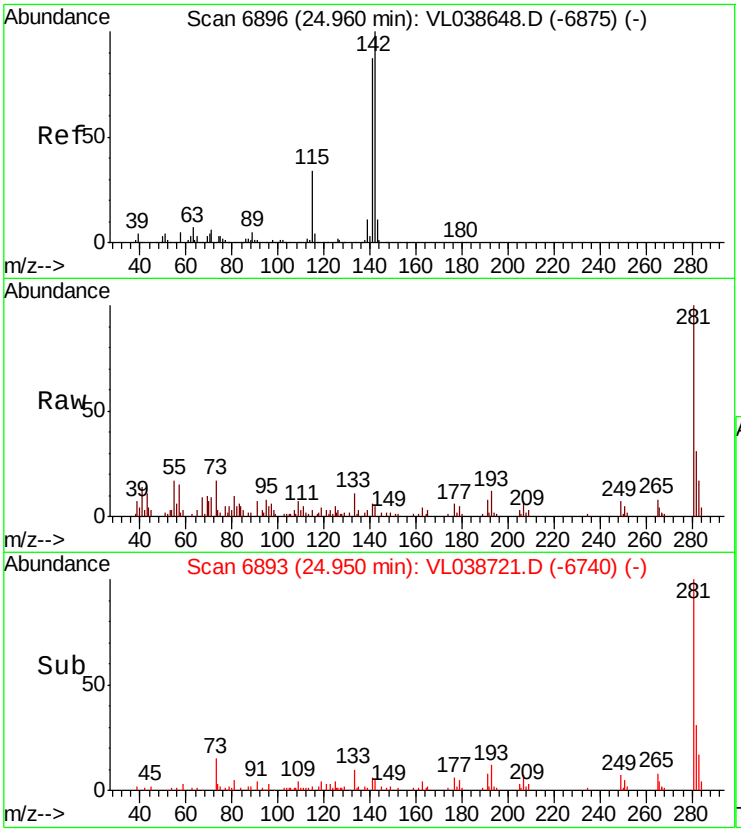


#79
Naphthalene
Concen: 0.048 ppbv
RT: 22.17 min Scan# 6029
Delta R.T. -0.01 min
Lab File: VL038721.D
Acq: 23 Mar 2022 18:31

Tgt Ion:128 Resp: 7771

Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.2	15.4#
129	12.3	9.2	13.8





#80
Naphthalene,2-methyl-
Concen: 0.049 ppbv
RT: 24.95
Delta R.T
Lab File:
Acq: 23 Mar 2022 18:31

Instrument :
MSVOA_L
ClientSampleId :
C0P99

Tgt Ion:142 Resp: 2144

Ion	Ratio	Lower	Upper
142	100		
141	109.7	66.4	99.6#
115	102.5	27.8	41.6#