Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
Data File : VL038763.D
Acq On : 25 Mar 2022 13:02
Operator : SY/AP
Sample : N2096-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-01-(SB-14)

Quant Time: Mar 26 10:17:04 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

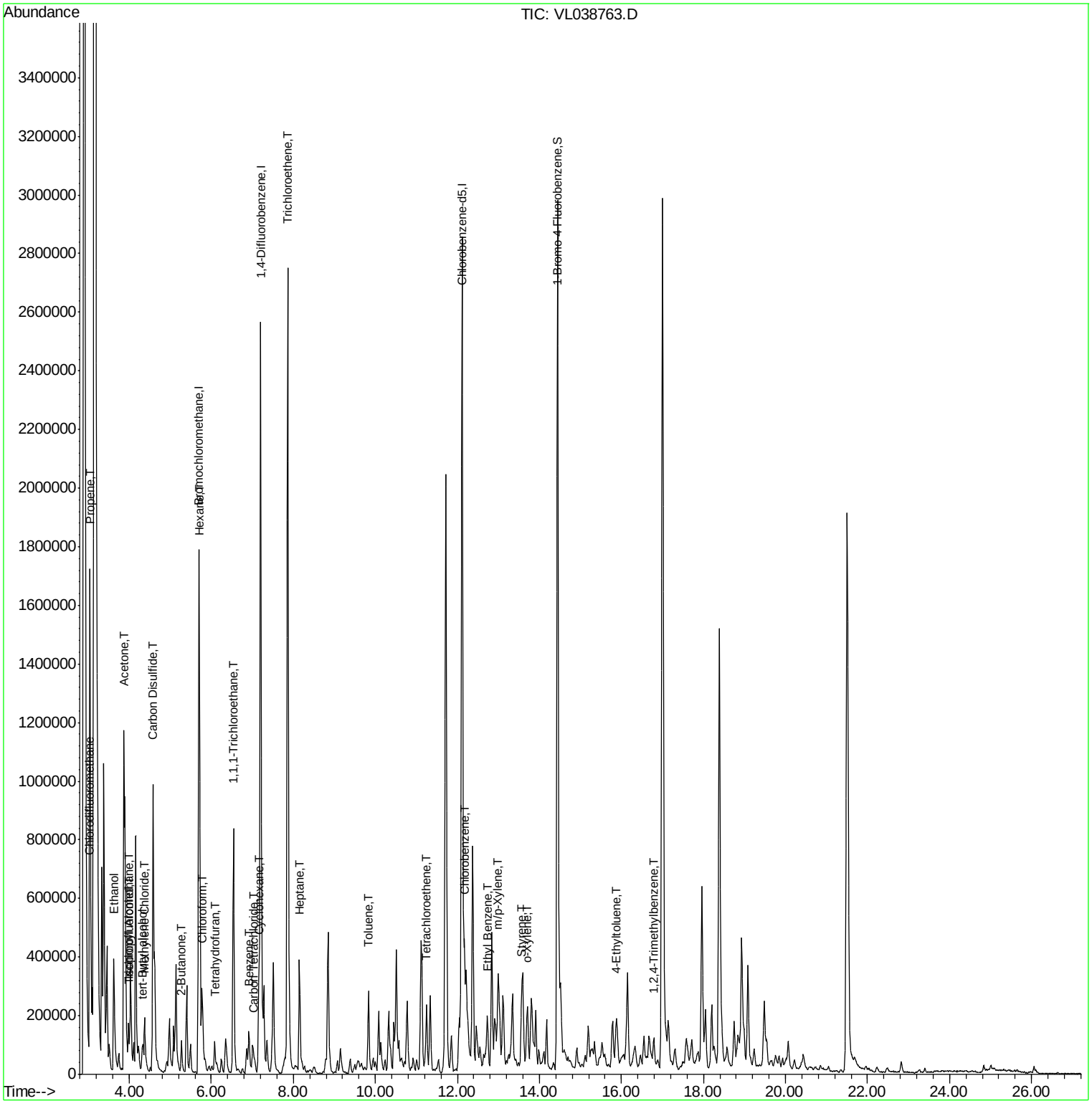
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	808828	10.00	ppbv		0.04
33) 1,4-Difluorobenzene	7.20	114	2237274	10.00	ppbv		0.04
55) Chlorobenzene-d5	12.11	117	2094079	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1644763	10.24	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.01	51	26963	0.32	ppbv	#	91
9) Propene	3.03	41	616198	14.94	ppbv		91
10) Heptane	8.15	43	163915	1.66	ppbv		96
11) Trichlorofluoromethane	3.97	101	31818	0.33	ppbv		99
13) Ethanol	3.62	45	559325	122.94	ppbv		99
15) Acetone	3.87	43	1728134	24.76	ppbv		97
17) tert-Butyl alcohol	4.32	59	71325	1.17	ppbv	#	93
19) Isopropyl Alcohol	3.99	45	141622	3.66	ppbv	#	1
20) Methylene Chloride	4.37	84	72177	2.46	ppbv		98
26) Hexane	5.71	57	313545	3.99	ppbv	#	45
27) Carbon Disulfide	4.58	76	1491860	19.33	ppbv		99
29) Chloroform	5.78	83	186615	1.48	ppbv		97
30) Cyclohexane	7.16	84	116311	1.70	ppbv	#	83
32) 1,1,1-Trichloroethane	6.54	97	539052	4.44	ppbv		99
34) 2-Butanone	5.27	43	138254	1.56	ppbv		97
35) Carbon Tetrachloride	7.05	117	18576	0.14	ppbv	#	86
36) Benzene	6.92	78	123978	0.72	ppbv		98
38) Trichloroethene	7.86	130	1007357	13.93	ppbv		98
41) Tetrahydrofuran	6.09	42	70400m	1.07	ppbv		
52) Tetrachloroethene	11.25	164	48836	0.77	ppbv		92
53) Toluene	9.83	91	220811	1.19	ppbv		99
57) Chlorobenzene	12.18	112	43896	0.29	ppbv	#	63
58) Ethyl Benzene	12.74	91	105241	0.43	ppbv		98
59) m/p-Xylene	13.00	91	302464	1.41	ppbv		94
60) o-Xylene	13.72	91	109876	0.54	ppbv		96
61) Styrene	13.55	104	28237	0.26	ppbv	#	89
72) 4-Ethyltoluene	15.87	105	33494	0.14	ppbv	#	83
74) 1,2,4-Trimethylbenzene	16.79	105	67407	0.28	ppbv	#	74

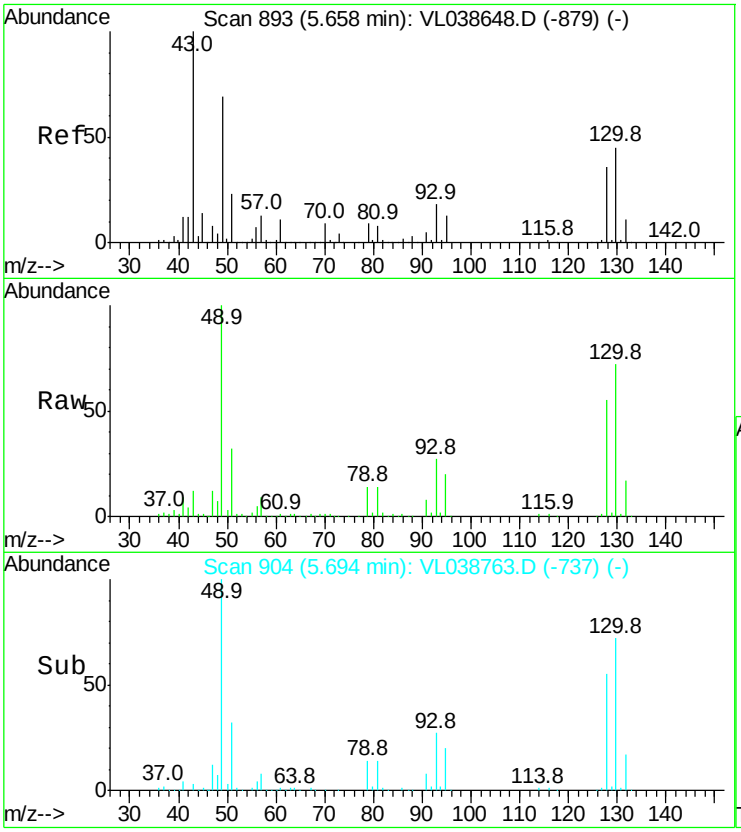
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
Data File : VL038763.D
Acq On : 25 Mar 2022 13:02
Operator : SY/AP
Sample : N2096-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Quant Time: Mar 26 10:17:04 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



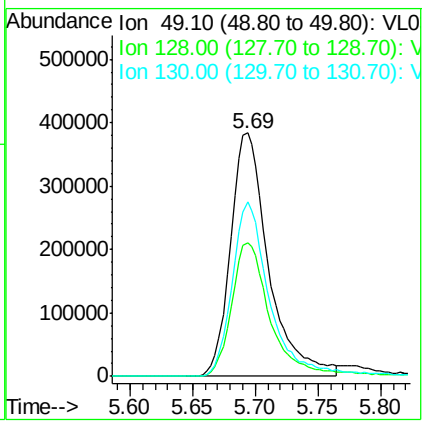


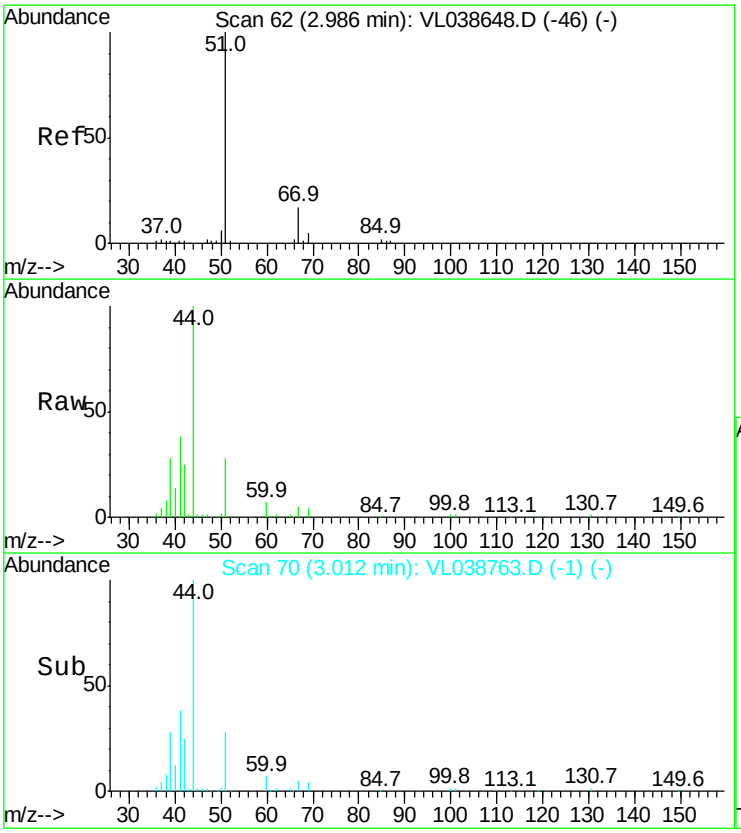
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 49 Resp: 808828

Ion	Ratio	Lower	Upper
49	100		
128	57.1	26.2	78.6
130	73.2	33.7	101.1

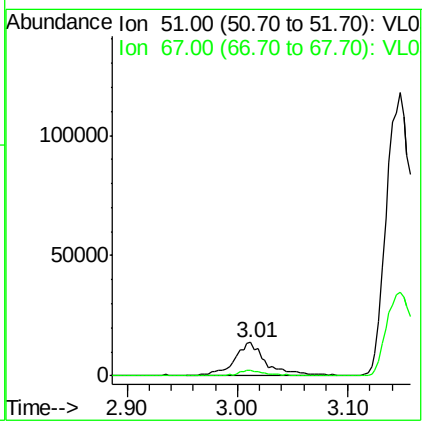


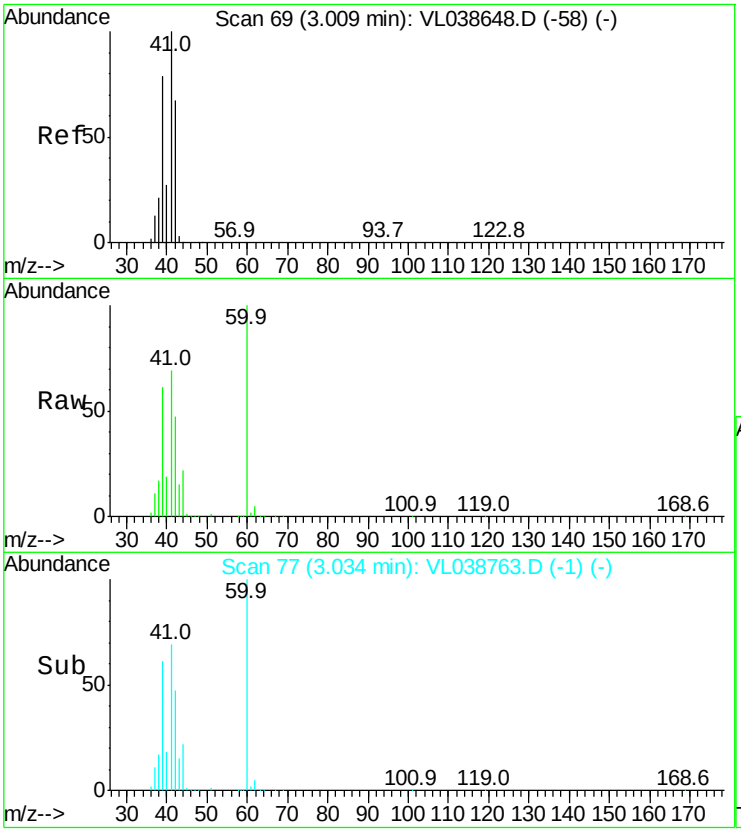


#3
Chlorodifluoromethane
Concen: 0.32 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.03 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 51 Resp: 26963

Ion	Ratio	Lower	Upper
51	100		
67	13.7	14.1	21.1#



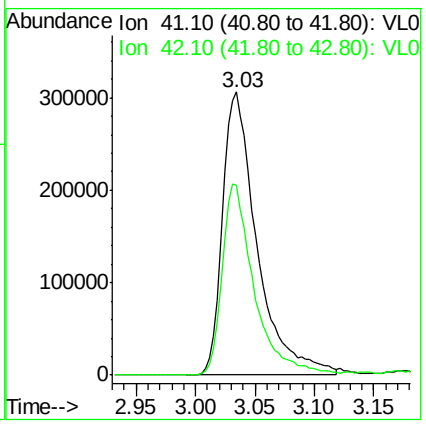


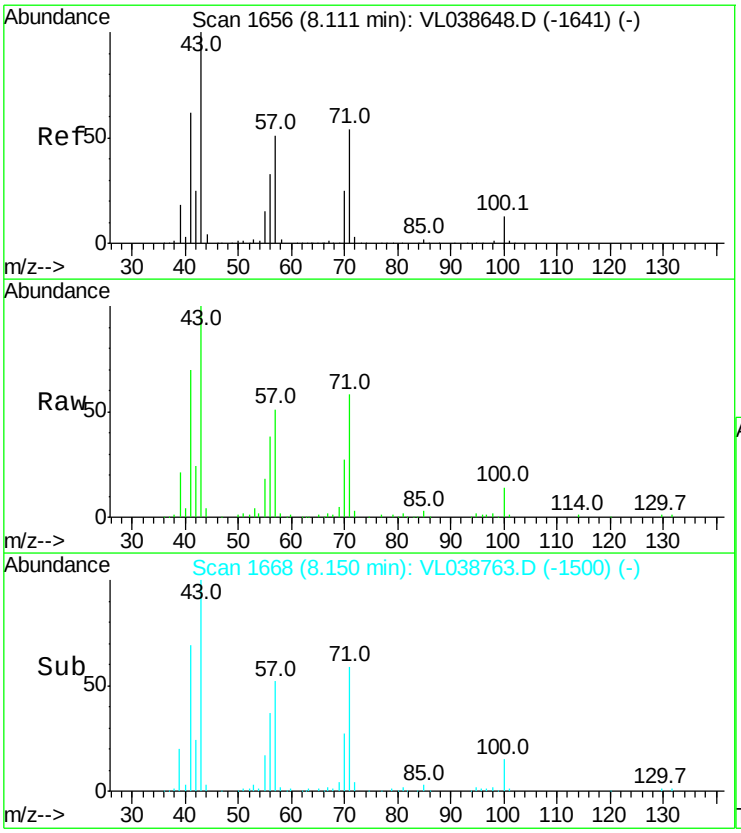
#9
Propene
Concen: 14.94 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 41 Resp: 616198

Ion	Ratio	Lower	Upper
41	100		
42	63.3	56.2	84.4

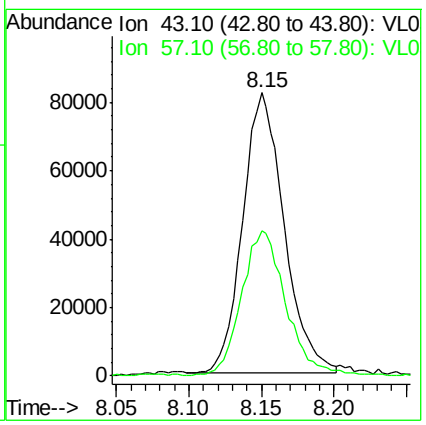


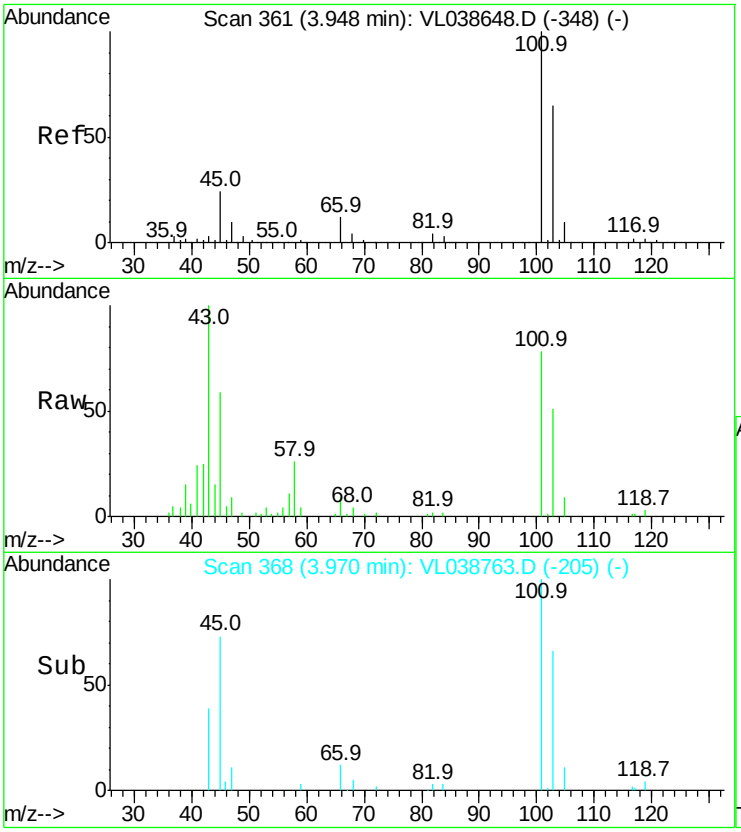


#10
Heptane
Concen: 1.66 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 43 Resp: 163915

Ion	Ratio	Lower	Upper
43	100		
57	54.8	41.4	62.2



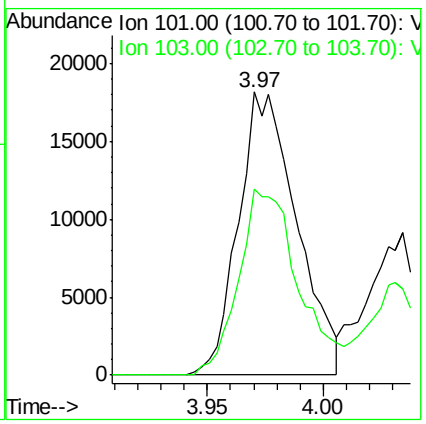


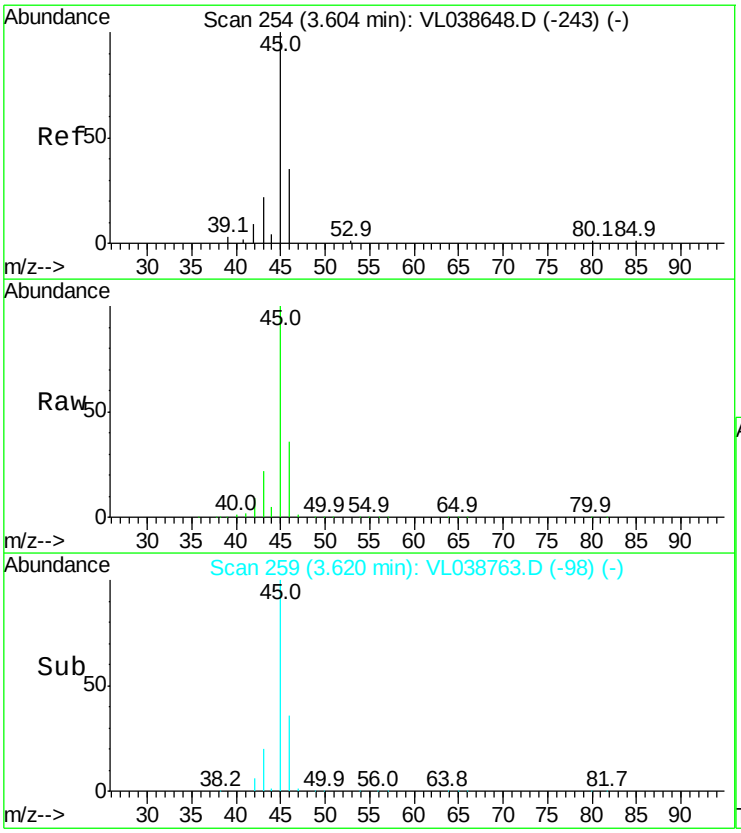
#11
Trichlorofluoromethane
Concen: 0.33 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion:101 Resp: 31818

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.9	77.9

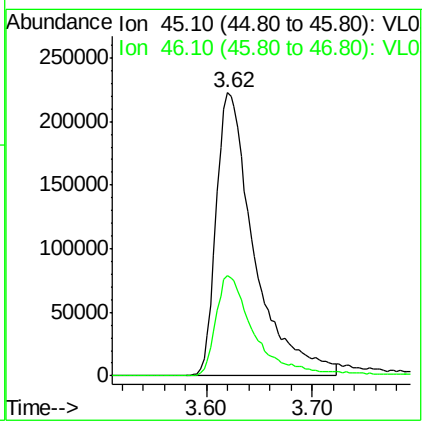


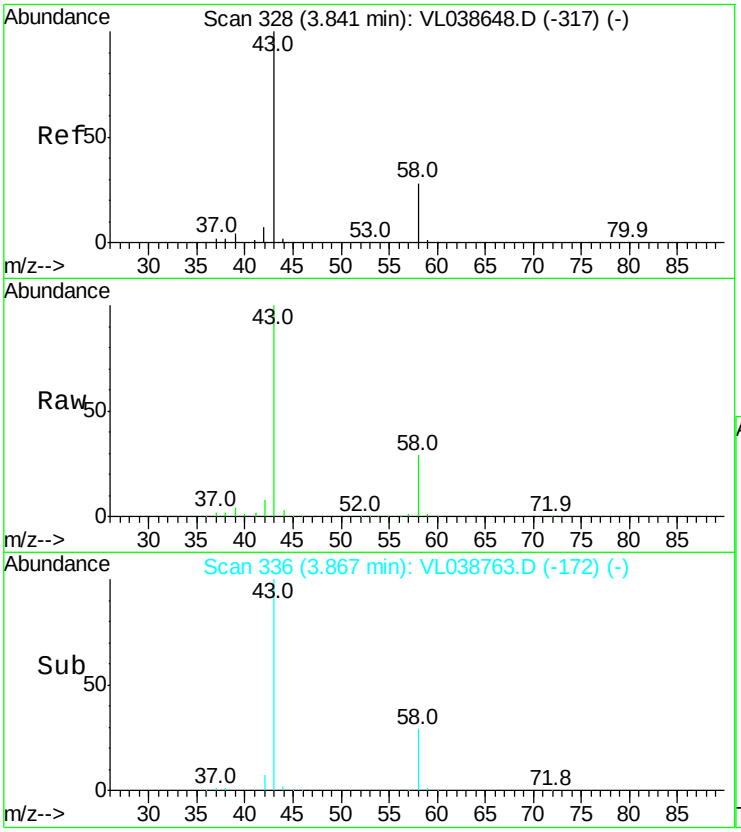


#13
Ethanol
Concen: 122.94 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 45 Resp: 559325

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.1	60.5



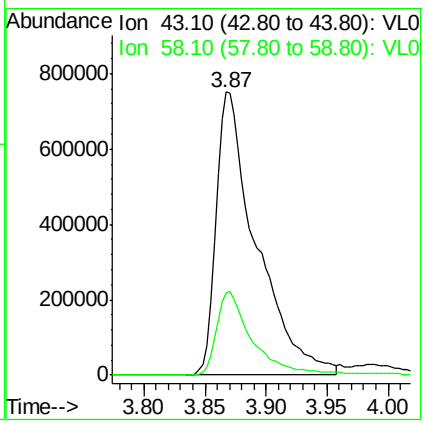


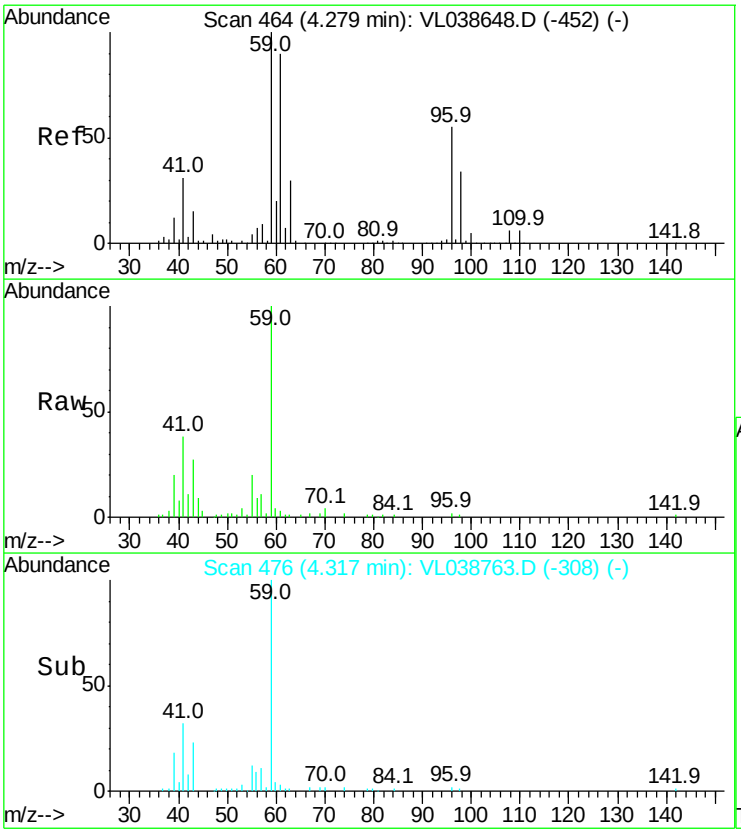
#15
Acetone
Concen: 24.76 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 43 Resp: 1728134

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.3	34.9

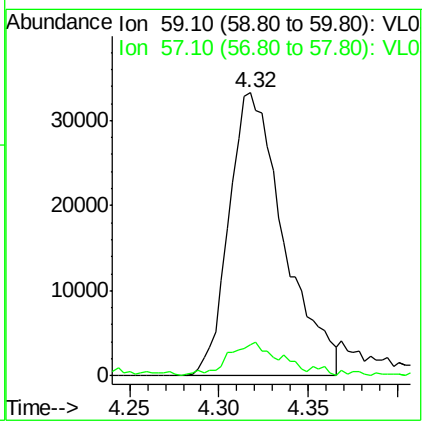


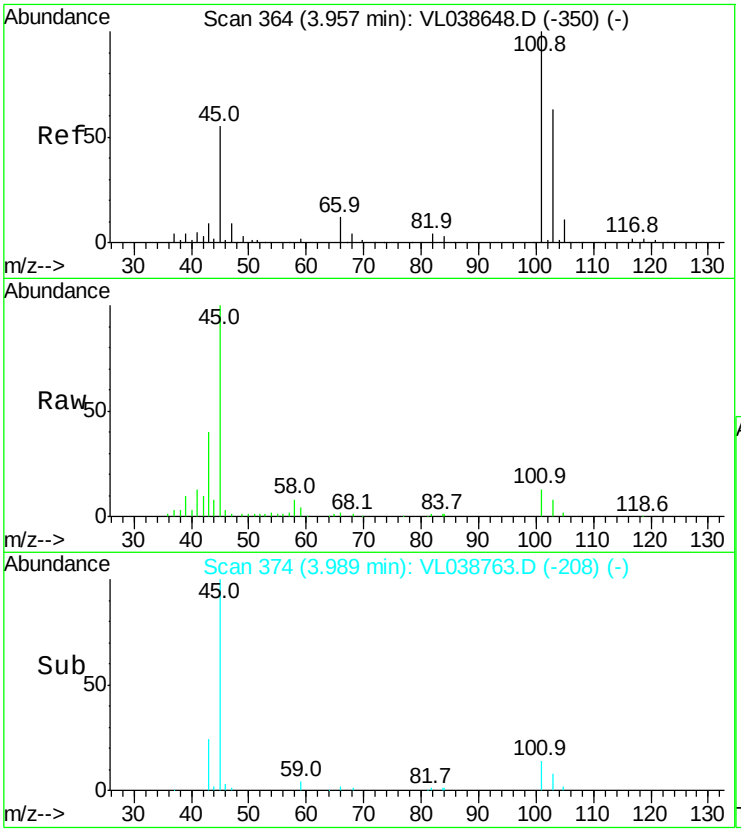


#17
tert-Butyl alcohol
Concen: 1.17 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 59 Resp: 71325

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.2	12.2#



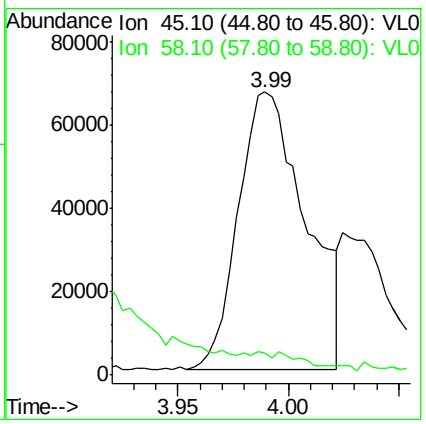


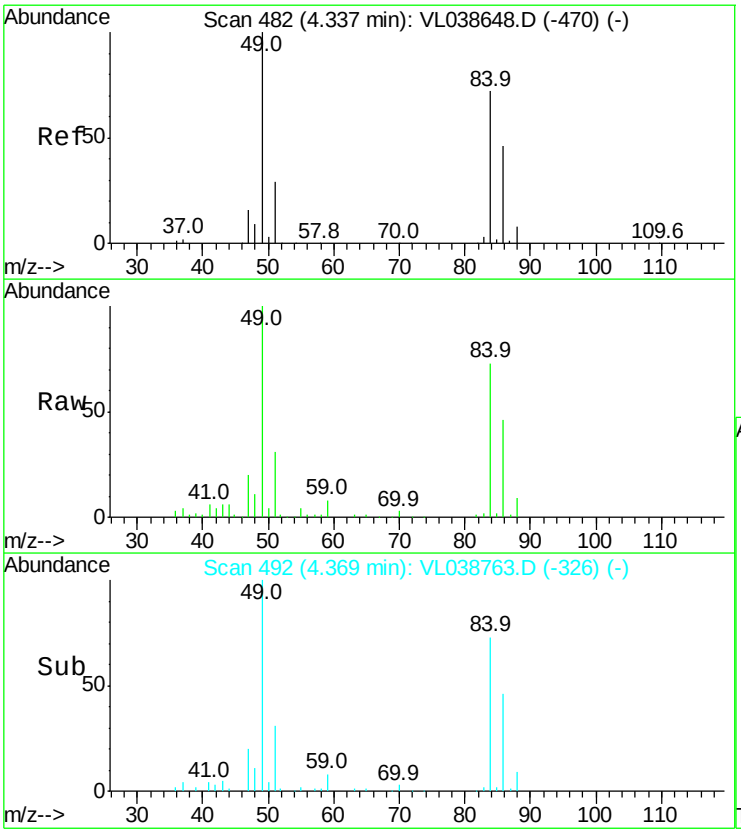
#19
Isopropyl Alcohol
Concen: 3.66 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 45 Resp: 141622

Ion	Ratio	Lower	Upper
45	100		
58	336.9	2.3	3.5#

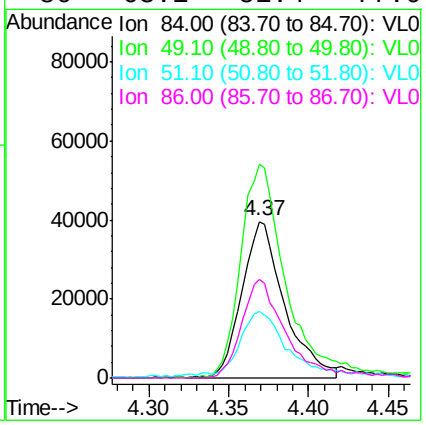


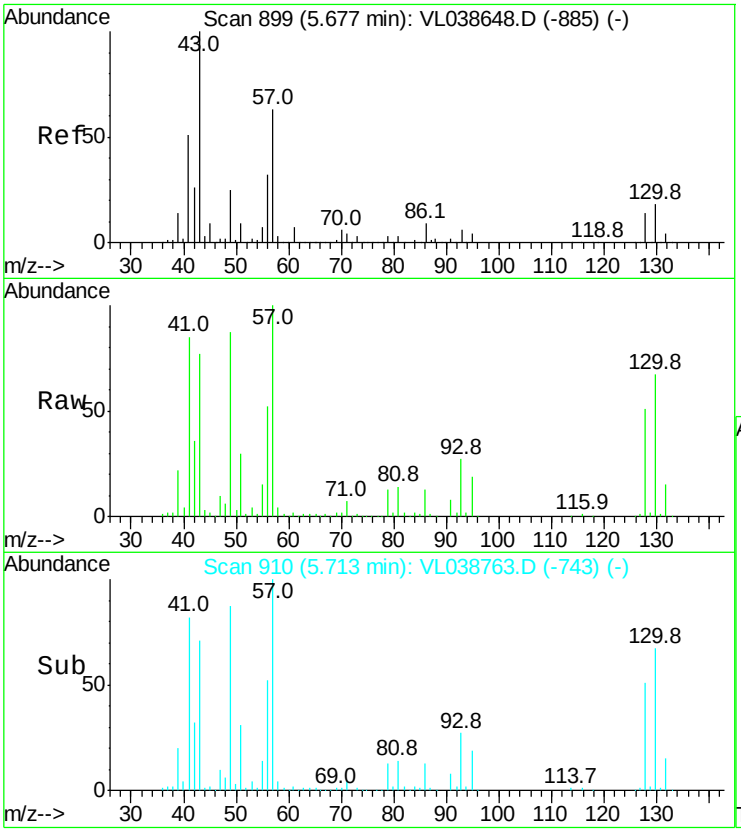


#20
Methylene Chloride
Concen: 2.46 ppbv
RT: 4.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 84 Resp: 72177

Ion	Ratio	Lower	Upper
84	100		
49	136.6	111.2	166.8
51	41.6	32.8	49.2
86	63.1	51.4	77.0



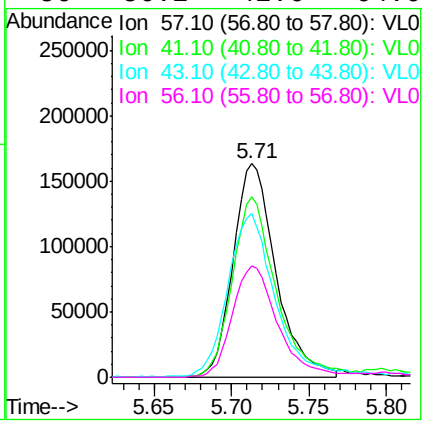


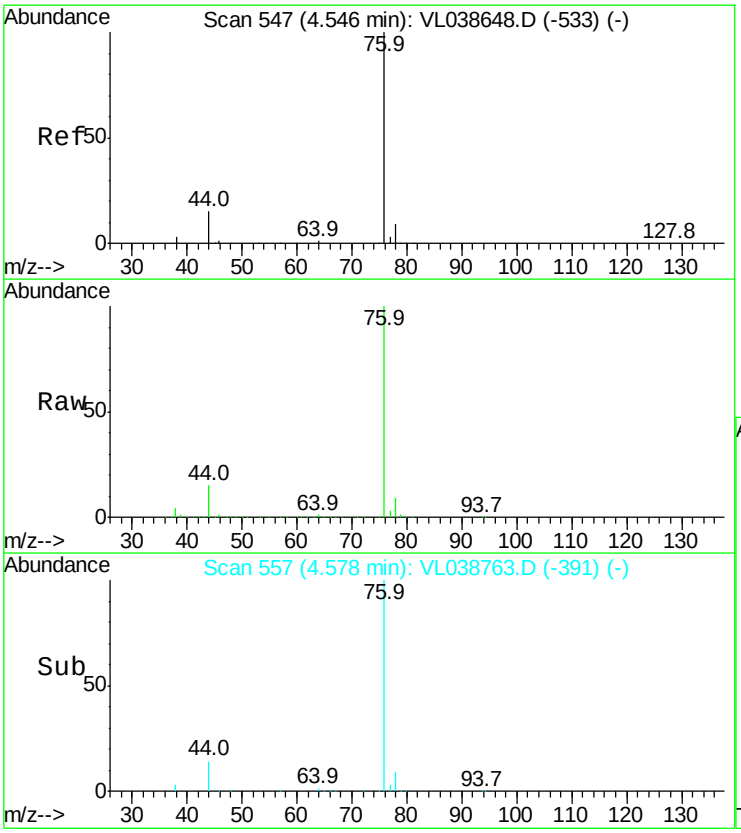
#26
Hexane
Concen: 3.99 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 57 Resp: 313545

Ion	Ratio	Lower	Upper
57	100		
41	87.9	67.0	100.4
43	89.1	184.2	276.2#
56	56.2	42.6	64.0

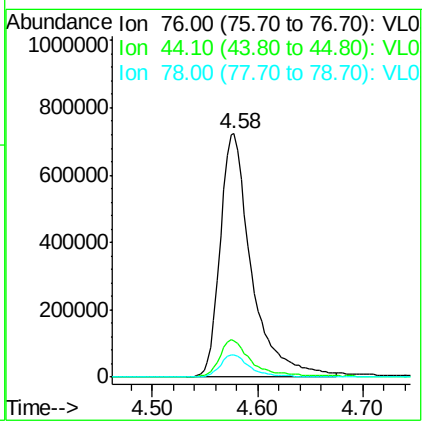


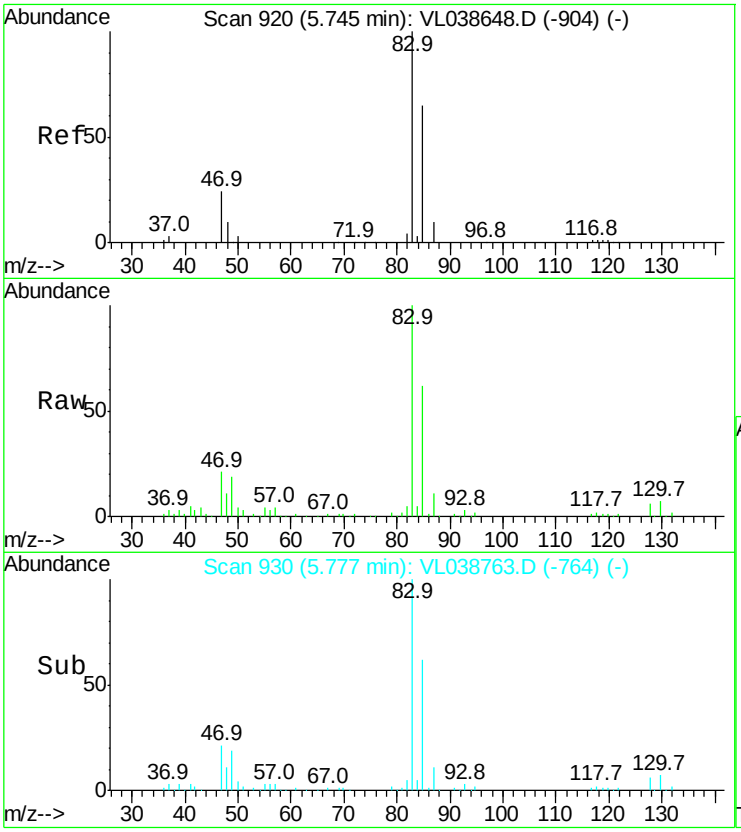


#27
Carbon Disulfide
Concen: 19.33 ppbv
RT: 4.58 min Scan# 557
Delta R.T. 0.03 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 76 Resp: 1491860

Ion	Ratio	Lower	Upper
76	100		
44	15.6	12.4	18.6
78	9.1	7.8	11.8



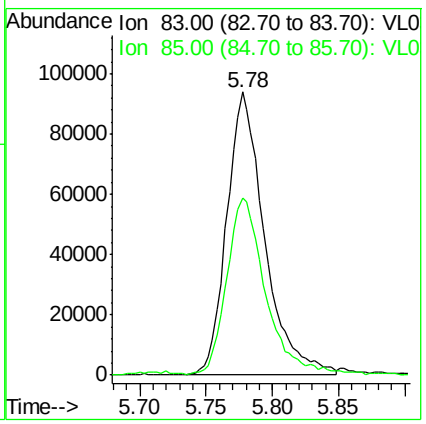


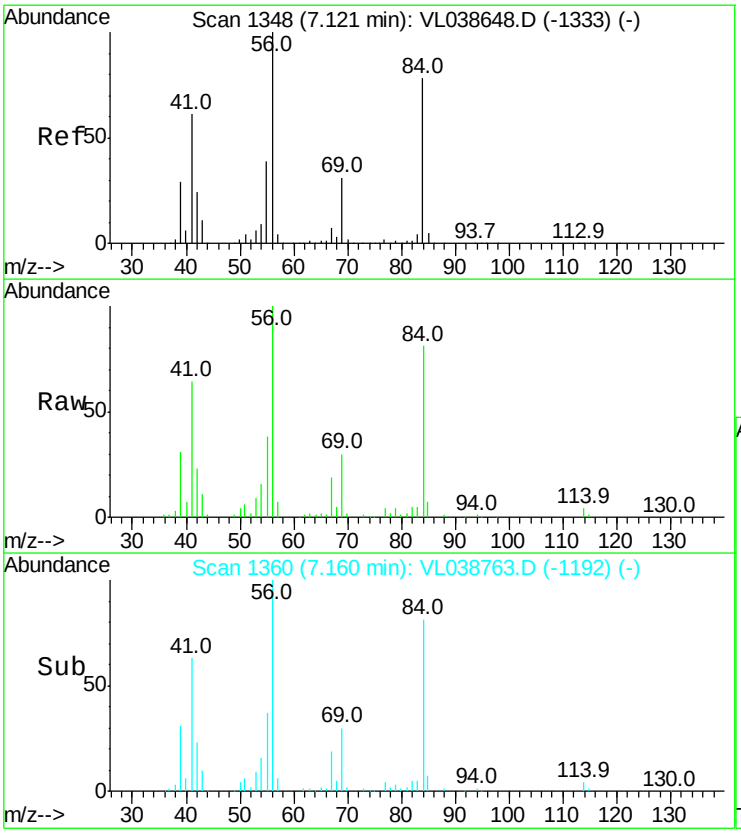
#29
Chloroform
Concen: 1.48 ppbv
RT: 5.78
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 83 Resp: 186615

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.7	77.5

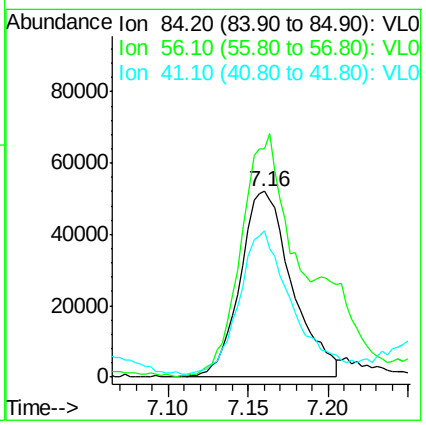


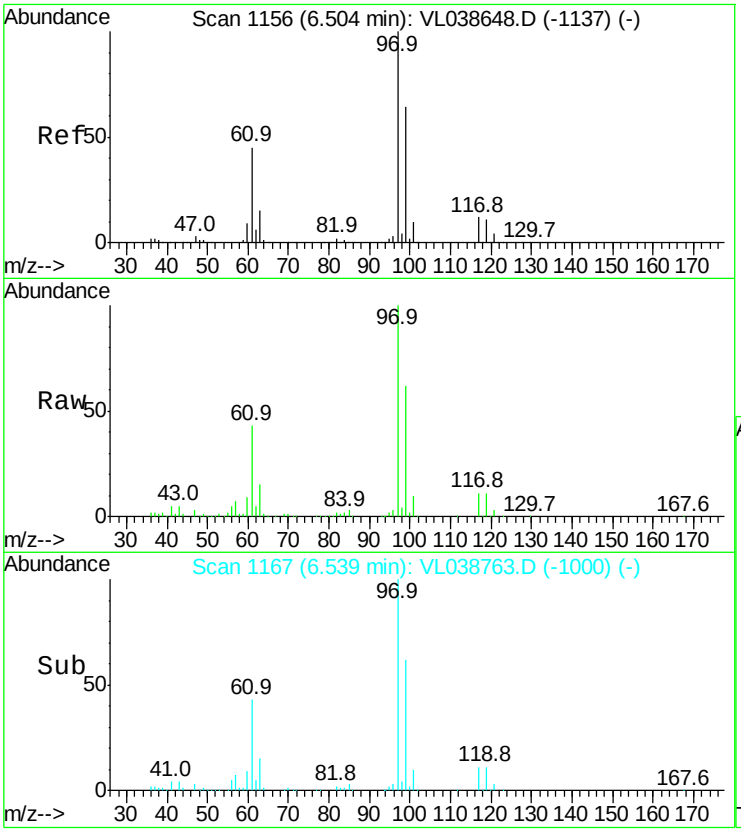


#30
Cyclohexane
Concen: 1.70 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 84 Resp: 116311

Ion	Ratio	Lower	Upper
84	100		
56	166.2	108.2	162.4#
41	78.4	61.8	92.6



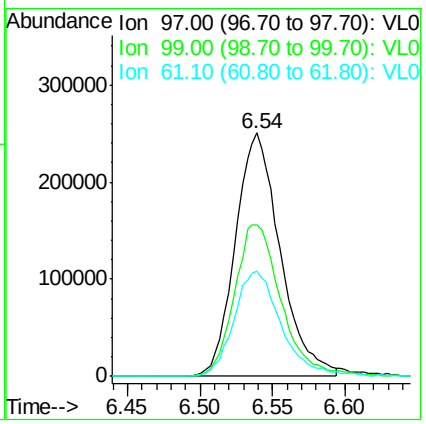


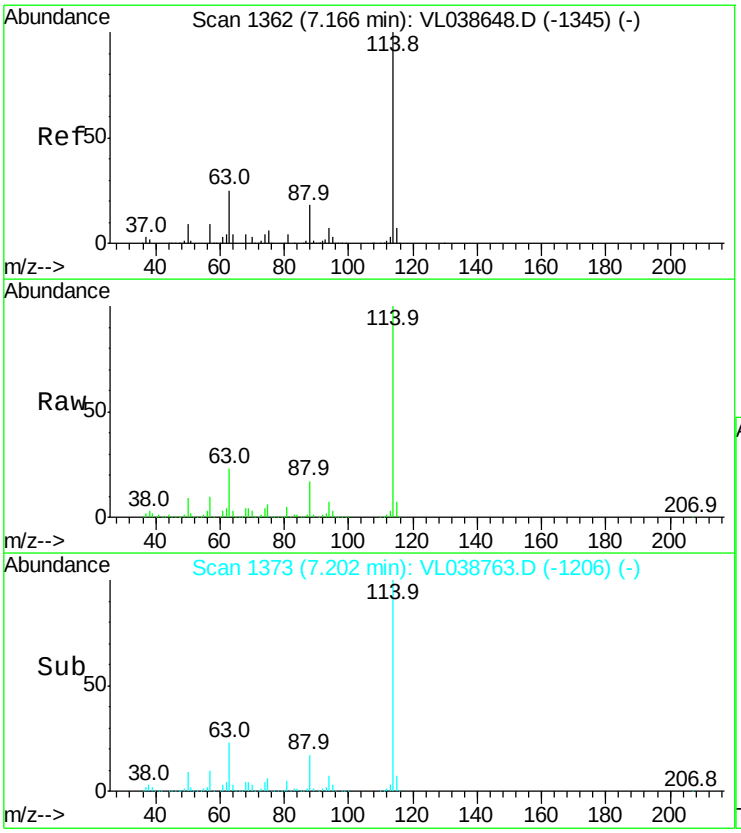
#32
1,1,1-Trichloroethane
Concen: 4.44 ppbv
RT: 6.54
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 97 Resp: 539052

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.8
61	45.4	36.7	55.1

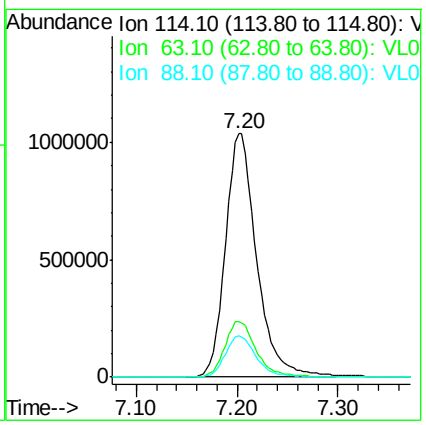


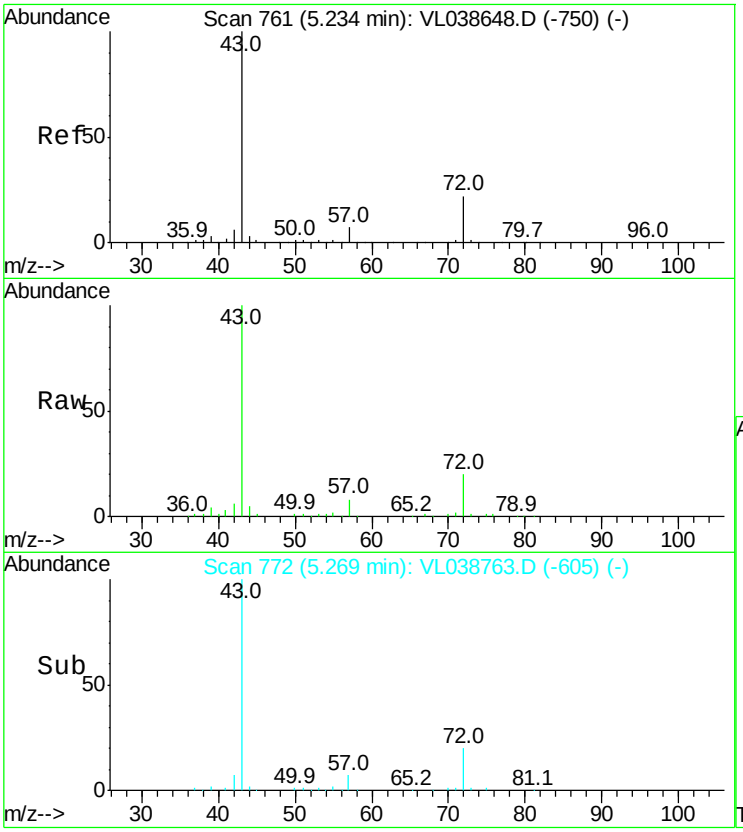


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:114 Resp: 2237274

Ion	Ratio	Lower	Upper
114	100		
63	23.3	19.4	29.0
88	17.0	13.9	20.9



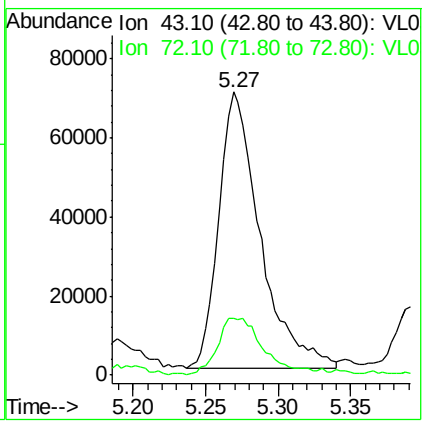


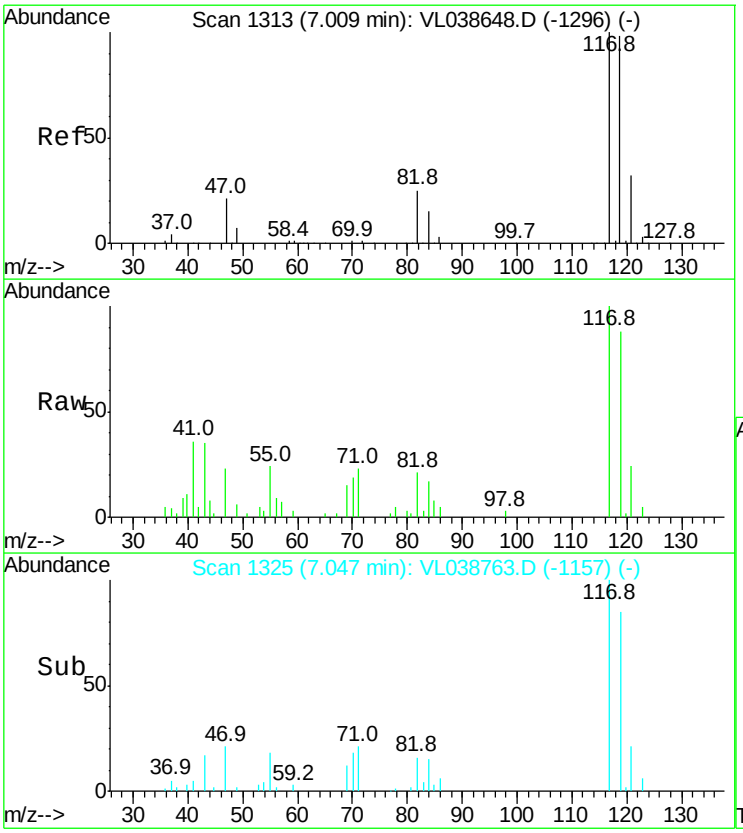
#34
2-Butanone
Concen: 1.56 ppbv
RT: 5.27
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 43 Resp: 138254

Ion	Ratio	Lower	Upper
43	100		
72	23.6	17.8	26.8

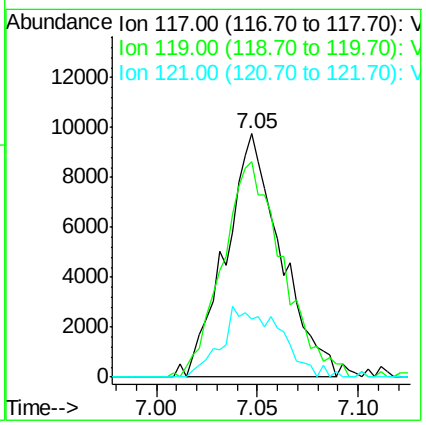


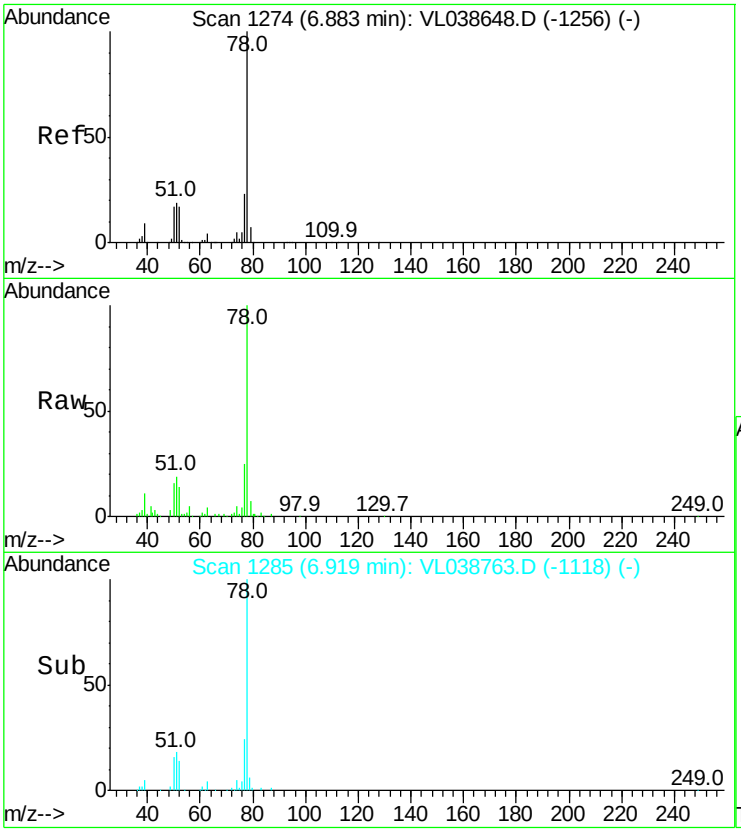


#35
Carbon Tetrachloride
Concen: 0.14 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:117 Resp: 18576

Ion	Ratio	Lower	Upper
117	100		
119	84.1	78.1	117.1
121	23.8	25.8	38.6#



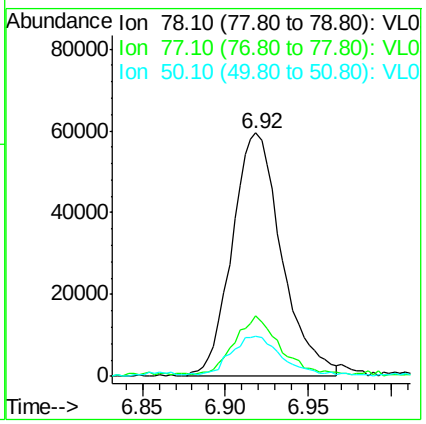


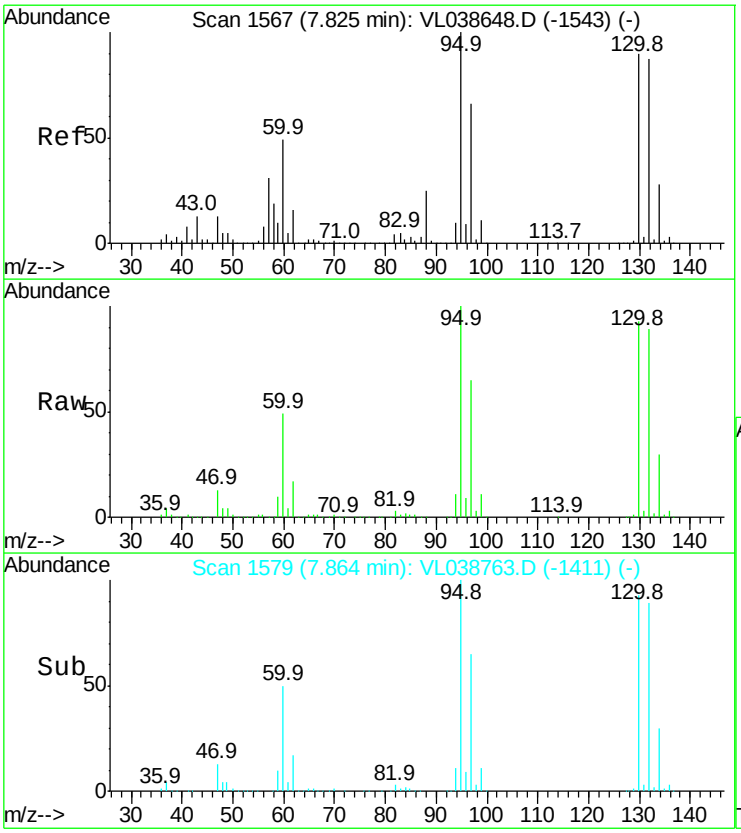
#36
Benzene
Concen: 0.72 ppbv
RT: 6.92
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 78 Resp: 123978

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	15.8	13.6	20.4

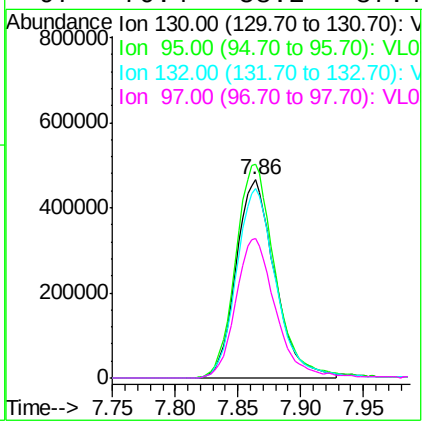


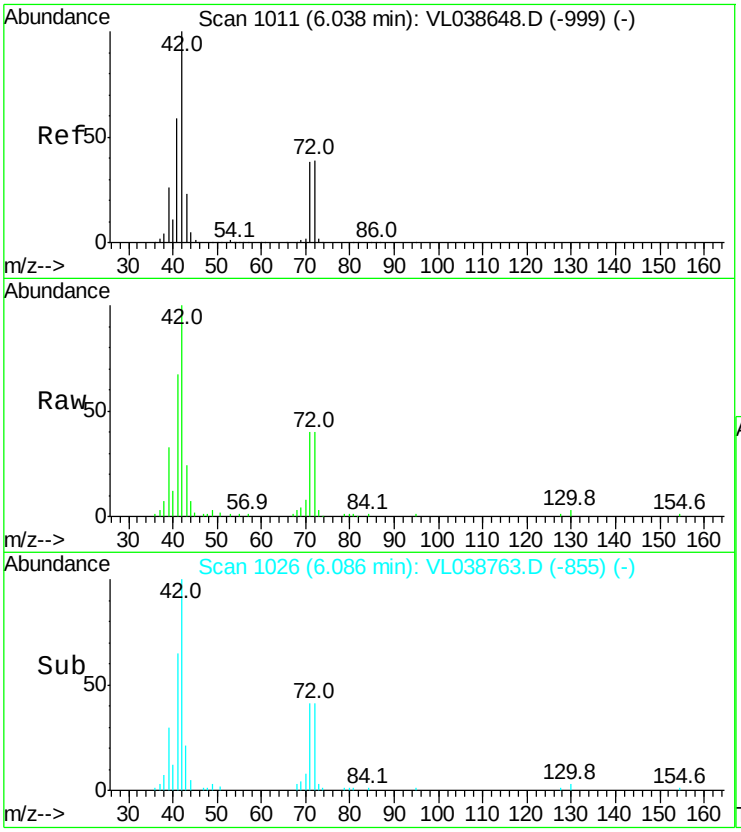


#38
Trichloroethene
Concen: 13.93 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:130 Resp: 1007357

Ion	Ratio	Lower	Upper
130	100		
95	107.6	88.9	133.3
132	95.7	77.4	116.0
97	70.4	58.2	87.4



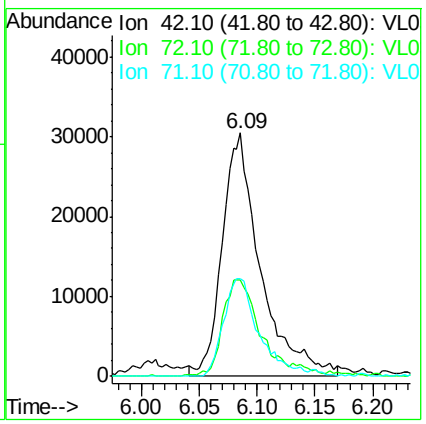


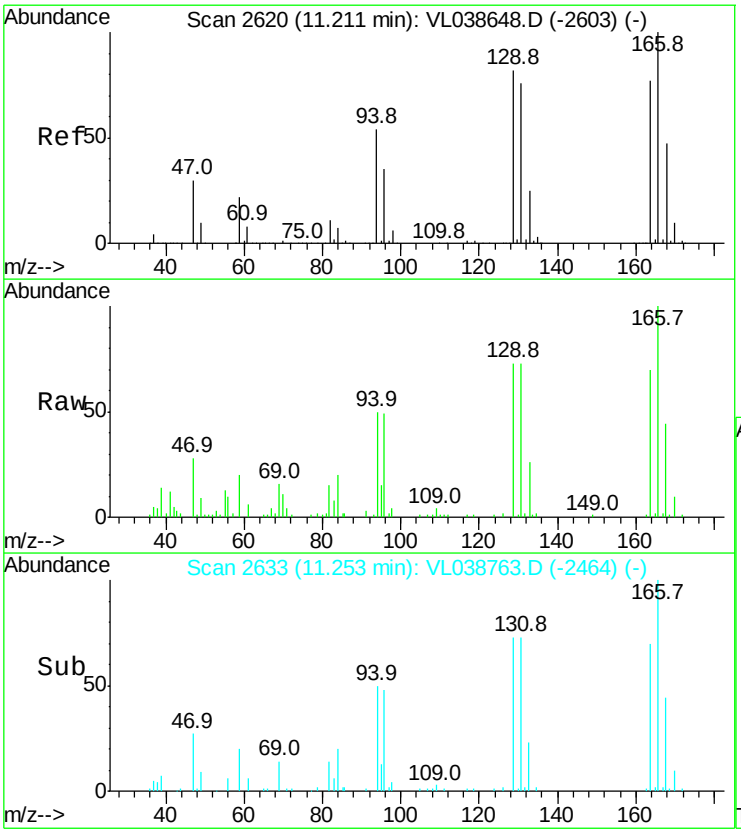
#41
Tetrahydrofuran
Concen: 1.07 ppbv m
RT: 6.09
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 42 Resp: 70400

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

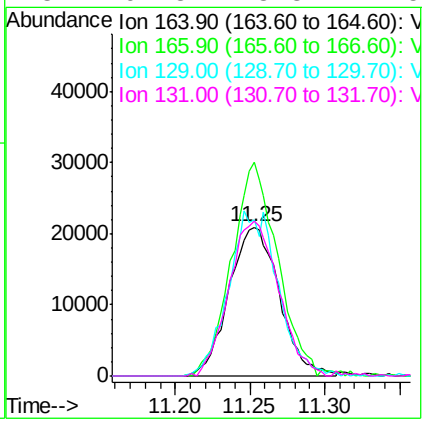


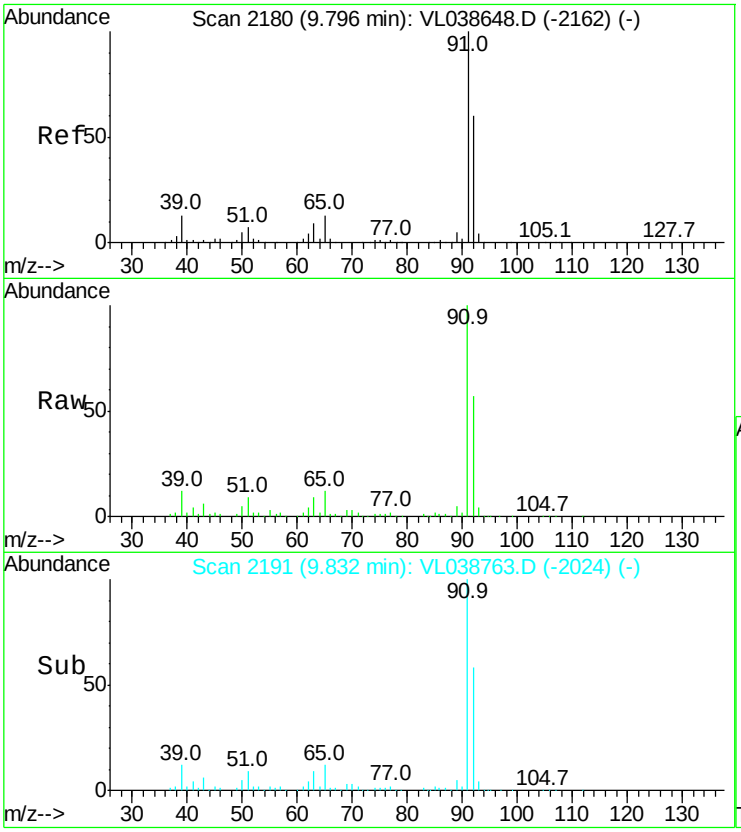


#52
Tetrachloroethene
Concen: 0.77 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:164 Resp: 48836

Ion	Ratio	Lower	Upper
164	100		
166	142.3	103.3	154.9
129	103.8	85.2	127.8
131	107.3	78.3	117.5



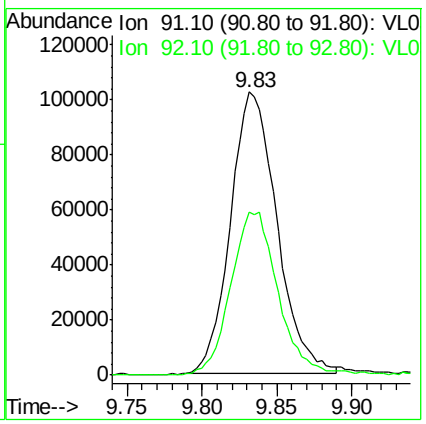


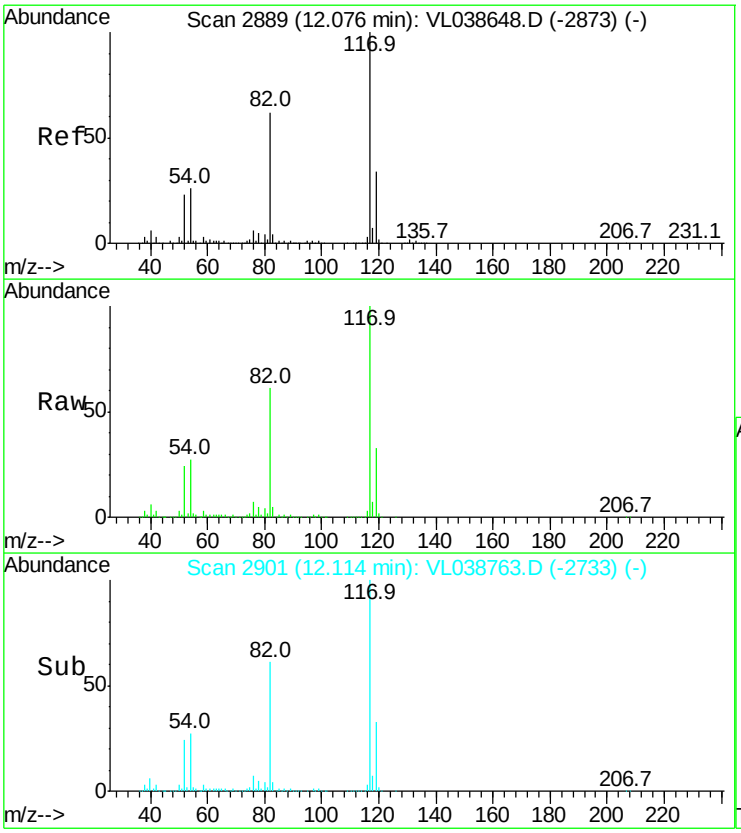
#53
Toluene
Concen: 1.19 ppbv
RT: 9.83
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 91 Resp: 220811

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.7	73.1

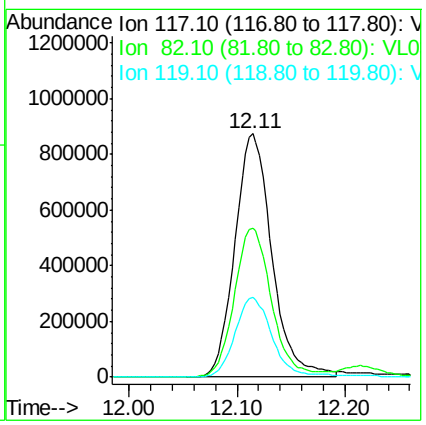


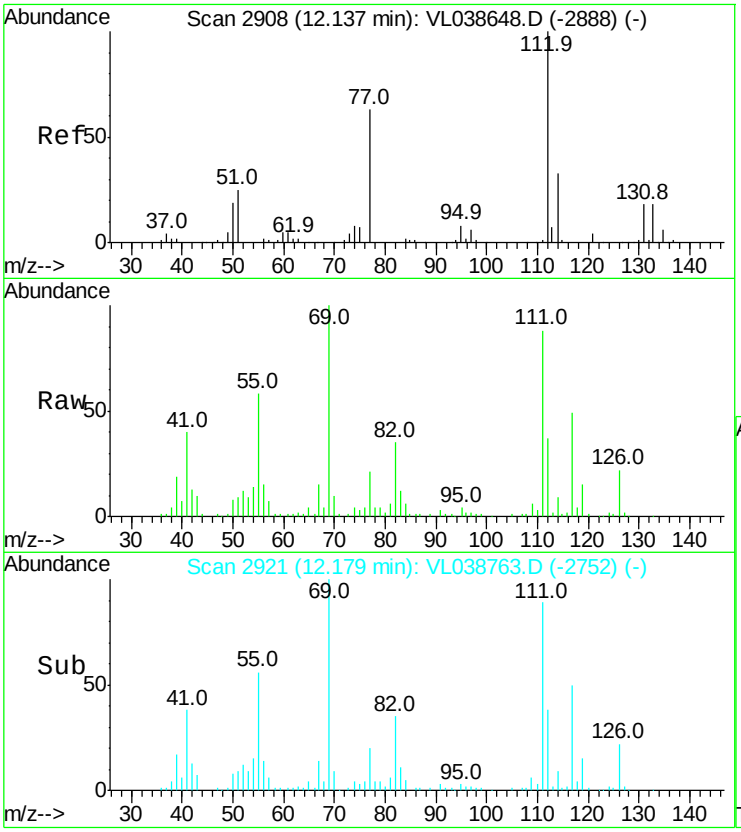


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:117 Resp: 2094079

Ion	Ratio	Lower	Upper
117	100		
82	61.8	51.6	77.4
119	34.0	26.9	40.3



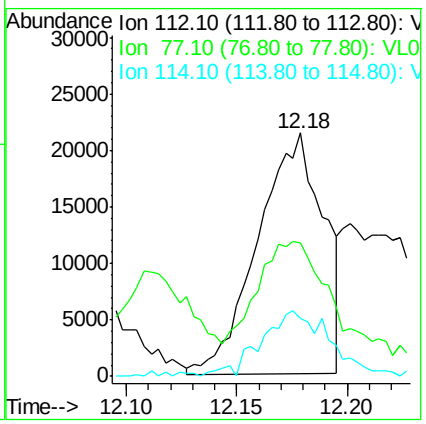


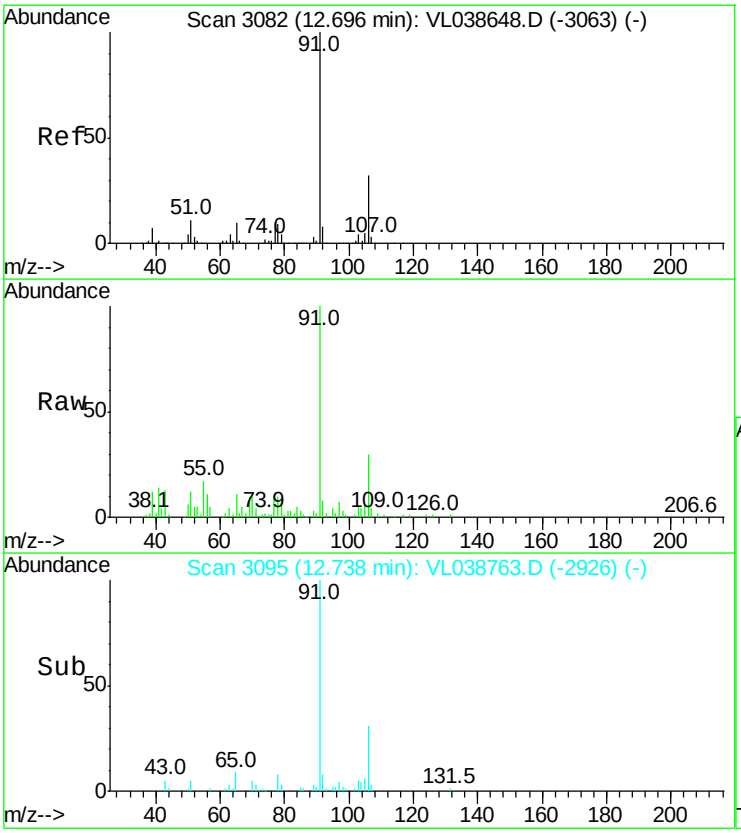
#57
Chlorobenzene
Concen: 0.29 ppbv
RT: 12.18
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion:112 Resp: 43896

Ion	Ratio	Lower	Upper
112	100		
77	27.5	51.0	76.6#
114	23.0	29.8	36.4#

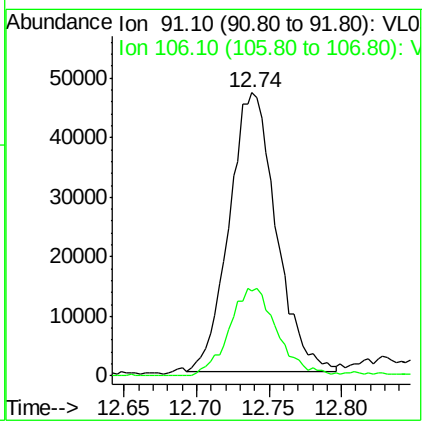


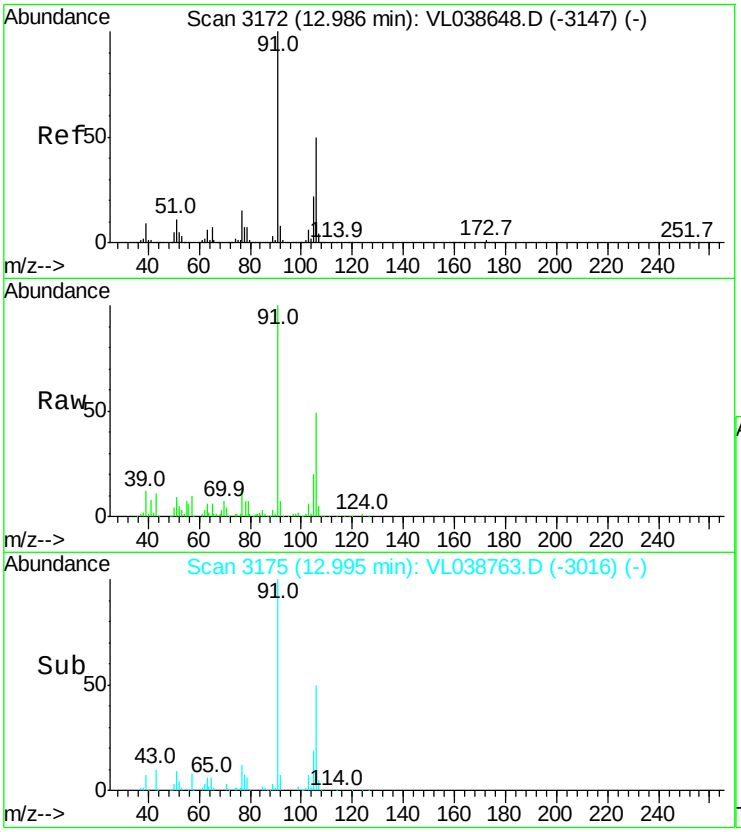


#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 91 Resp: 105241

Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.4	38.0



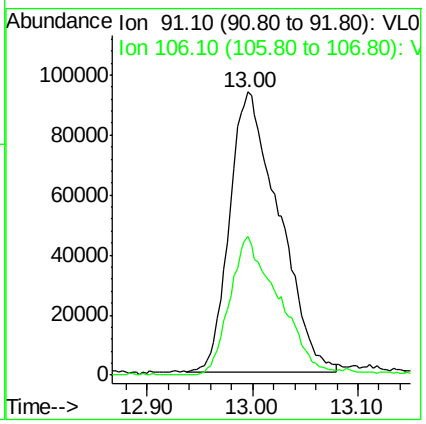


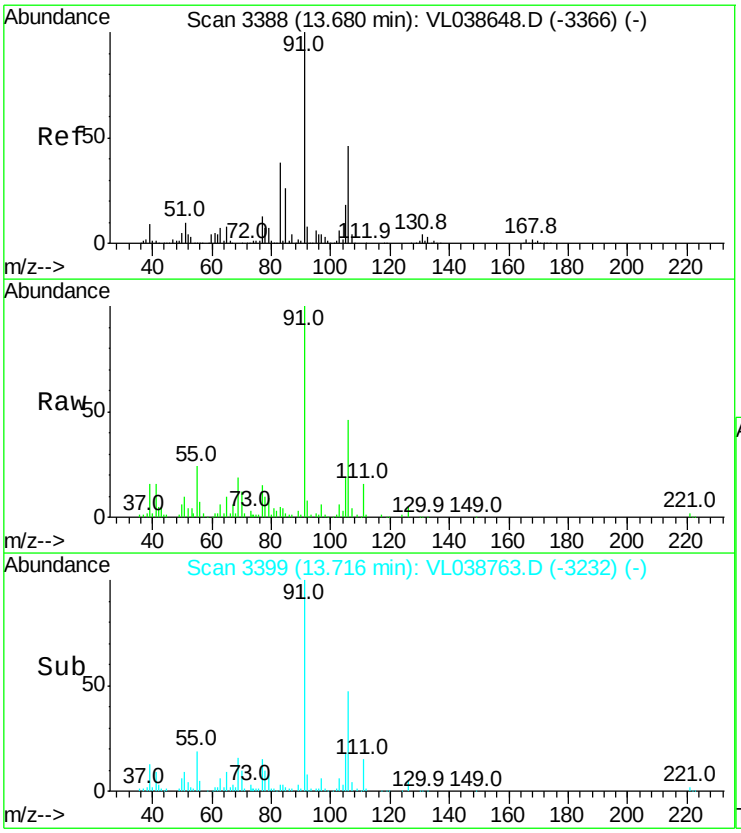
#59
m/p-Xylene
Concen: 1.41 ppbv
RT: 13.00
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion: 91 Resp: 302464

Ion	Ratio	Lower	Upper
91	100		
106	50.5	37.2	55.8

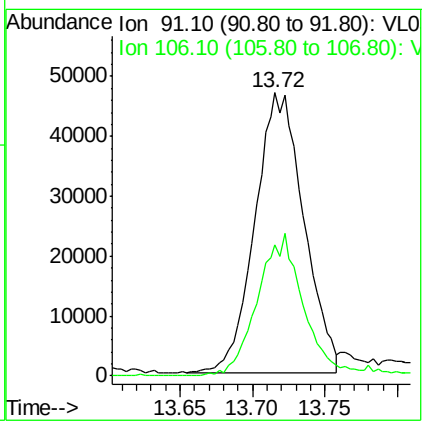


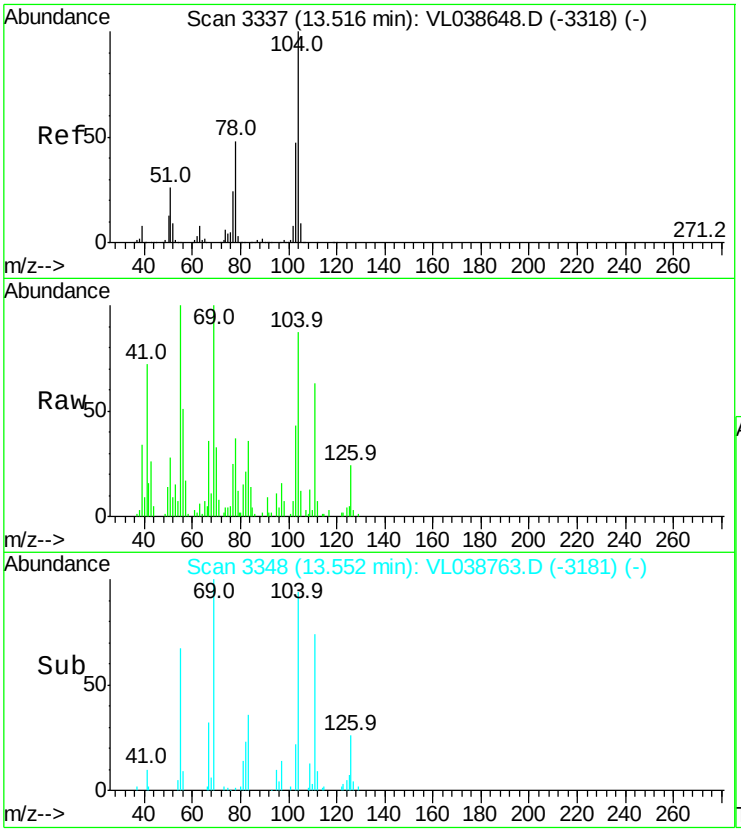


#60
o-Xylene
Concen: 0.54 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 91 Resp: 109876

Ion	Ratio	Lower	Upper
91	100		
106	49.4	23.5	70.5



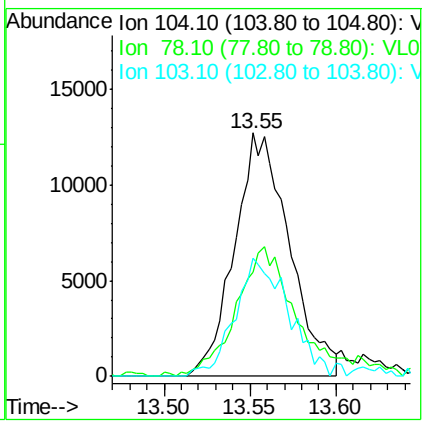


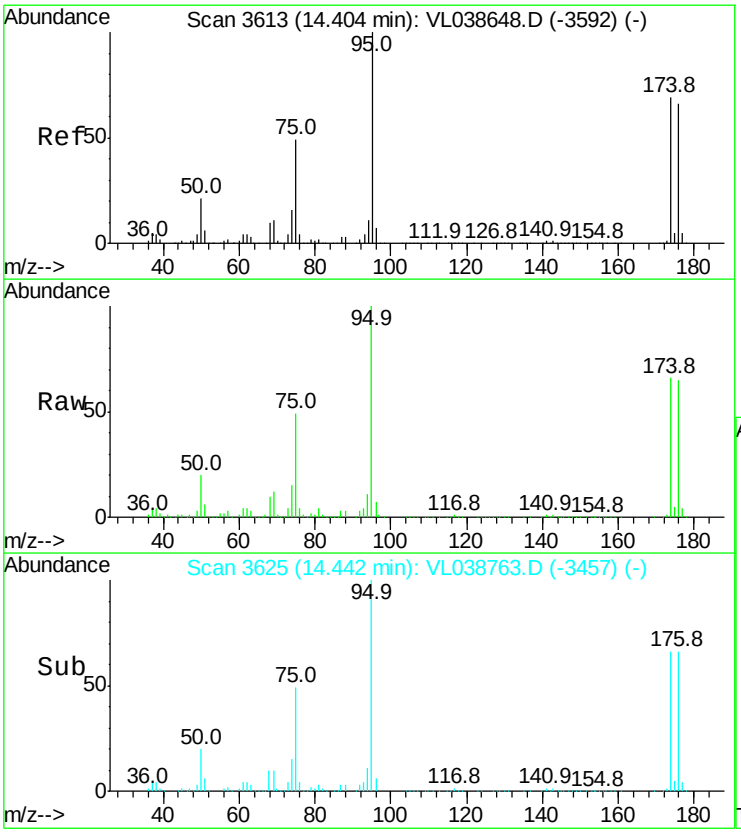
#61
Styrene
Concen: 0.26 ppbv
RT: 13.55
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion:104 Resp: 28237

Ion	Ratio	Lower	Upper
104	100		
78	62.4	39.0	58.4#
103	46.9	37.8	56.8

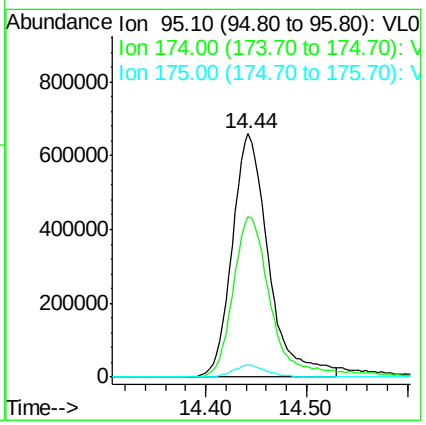


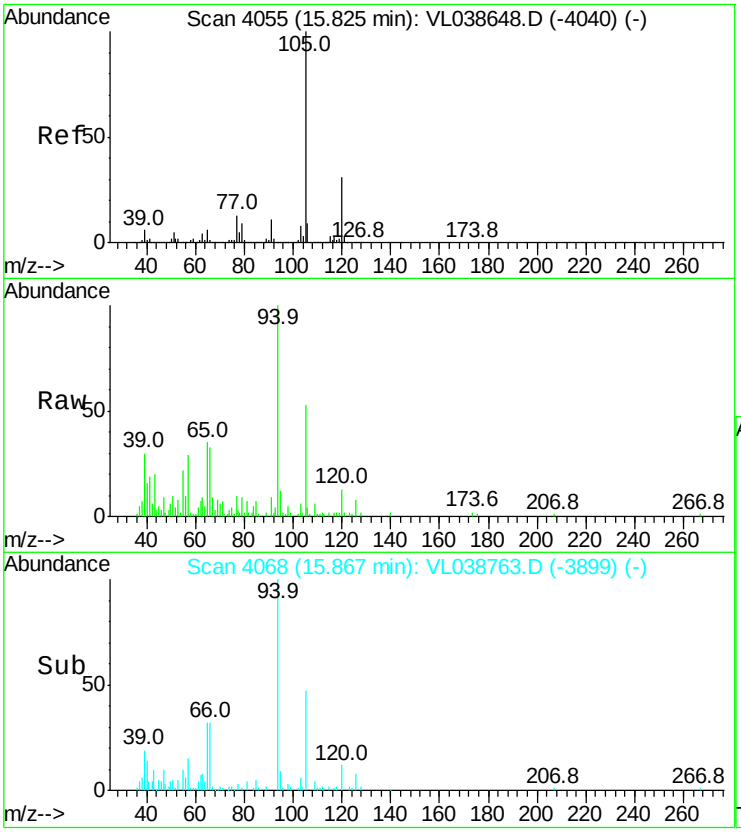


#68
1-Bromo-4-Fluorobenzene
Concen: 10.24 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion: 95 Resp: 1644763

Ion	Ratio	Lower	Upper
95	100		
174	70.6	56.1	84.1
175	5.0	4.2	6.2



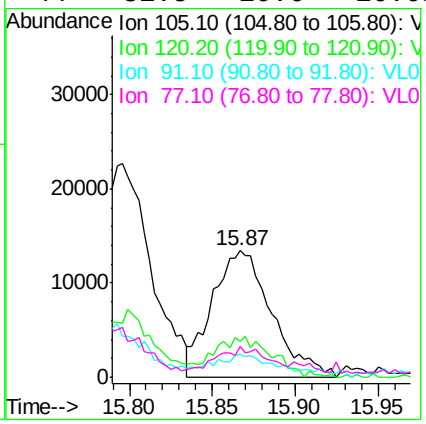


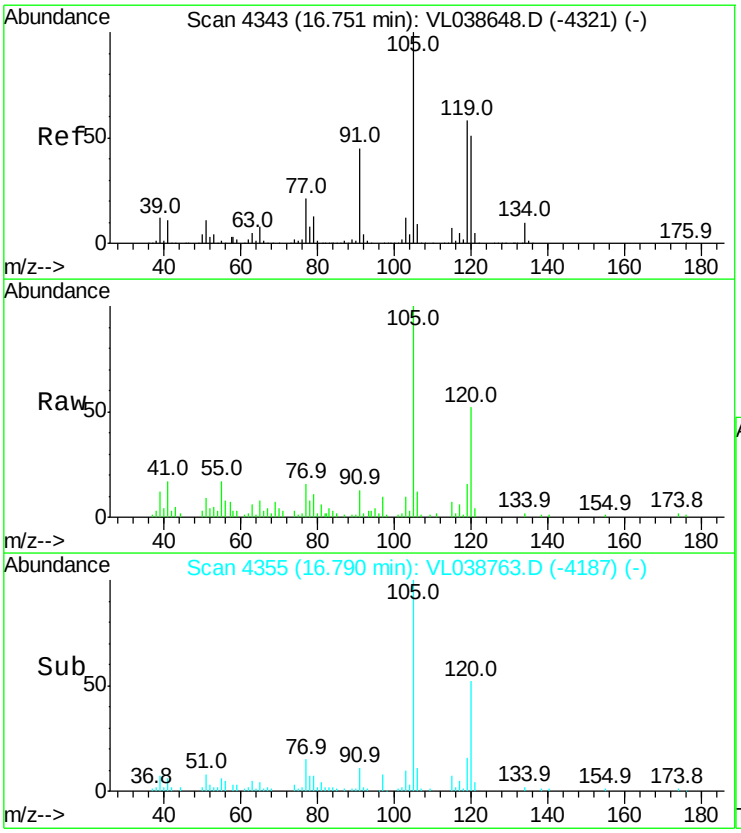
#72
4-Ethyltoluene
Concen: 0.14 ppbv
RT: 15.87
Delta R.T
Lab File:
Acq: 25 Mar 2022 13:02

Instrument :
MSVOA_L
ClientSampleId :
SV-01-(SB-14)

Tgt Ion:105 Resp: 33494

Ion	Ratio	Lower	Upper
105	100		
120	31.5	24.9	37.3
91	23.2	9.8	14.6#
77	31.5	10.6	16.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.28 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.04 min
Lab File: VL038763.D
Acq: 25 Mar 2022 13:02

Tgt Ion:105 Resp: 67407

Ion	Ratio	Lower	Upper
105	100		
120	56.5	40.5	60.7
91	11.1	35.9	53.9#
77	14.7	16.6	25.0#