Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040722\
Data File : VL038853.D
Acq On : 7 Apr 2022 22:48
Operator : SY/AP
Sample : N2273-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1160-1-SG-2DL

Quant Time: Apr 11 05:16:47 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1194603	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.20	114	2997614	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.12	117	2580154	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	2048238	10.47	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	10304	0.061	ppbv		97
3) Chlorodifluoromethane	3.01	51	7023	0.048	ppbv		100
9) Propene	3.23	41	63760	0.827	ppbv		99
10) Heptane	8.15	43	85746	0.441	ppbv		95
13) Ethanol	3.63	45	132336	28.231	ppbv	#	100
15) Acetone	3.87	43	14100864	118.561	ppbv		91
16) 1,3-Butadiene	3.38	39	762692	11.217	ppbv	#	11
17) tert-Butyl alcohol	3.91	59	9585	0.090	ppbv	#	72
19) Isopropyl Alcohol	3.99	45	104197	1.714	ppbv	#	100
20) Methylene Chloride	4.37	84	30145	0.699	ppbv	#	85
25) Ethyl Acetate	5.72	43	51445	0.170	ppbv	#	95
26) Hexane	5.71	57	52000	0.379	ppbv	#	56
30) Cyclohexane	7.16	84	14403	0.119	ppbv	#	10
34) 2-Butanone	5.27	43	17329	0.146	ppbv	#	46
36) Benzene	6.92	78	27994	0.103	ppbv		99
39) 1,2-Dichloropropane	7.20	63	773501	7.416	ppbv	#	27
44) 2,2,4-Trimethylpentane	7.90	57	164158	0.356	ppbv	#	79
50) 4-Methyl-2-Pentanone	8.78	43	83351	0.313	ppbv		93
51) 2-Hexanone	9.83	43	1845190	9.191	ppbv	#	27
52) Tetrachloroethene	11.26	164	4331	0.045	ppbv	#	61
53) Toluene	9.84	91	213842	0.679	ppbv		99
58) Ethyl Benzene	12.74	91	232836	0.604	ppbv		89
59) m/p-Xylene	13.00	91	737116	2.276	ppbv		99
60) o-Xylene	13.72	91	244809	0.808	ppbv		91
71) 2-Chlorotoluene	15.59	91	52543	0.154	ppbv	#	42
72) 4-Ethyltoluene	15.87	105	35836	0.099	ppbv	#	42
73) 1,3,5-Trimethylbenzene	16.02	105	55512	0.171	ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.79	105	137873	0.401	ppbv	#	64

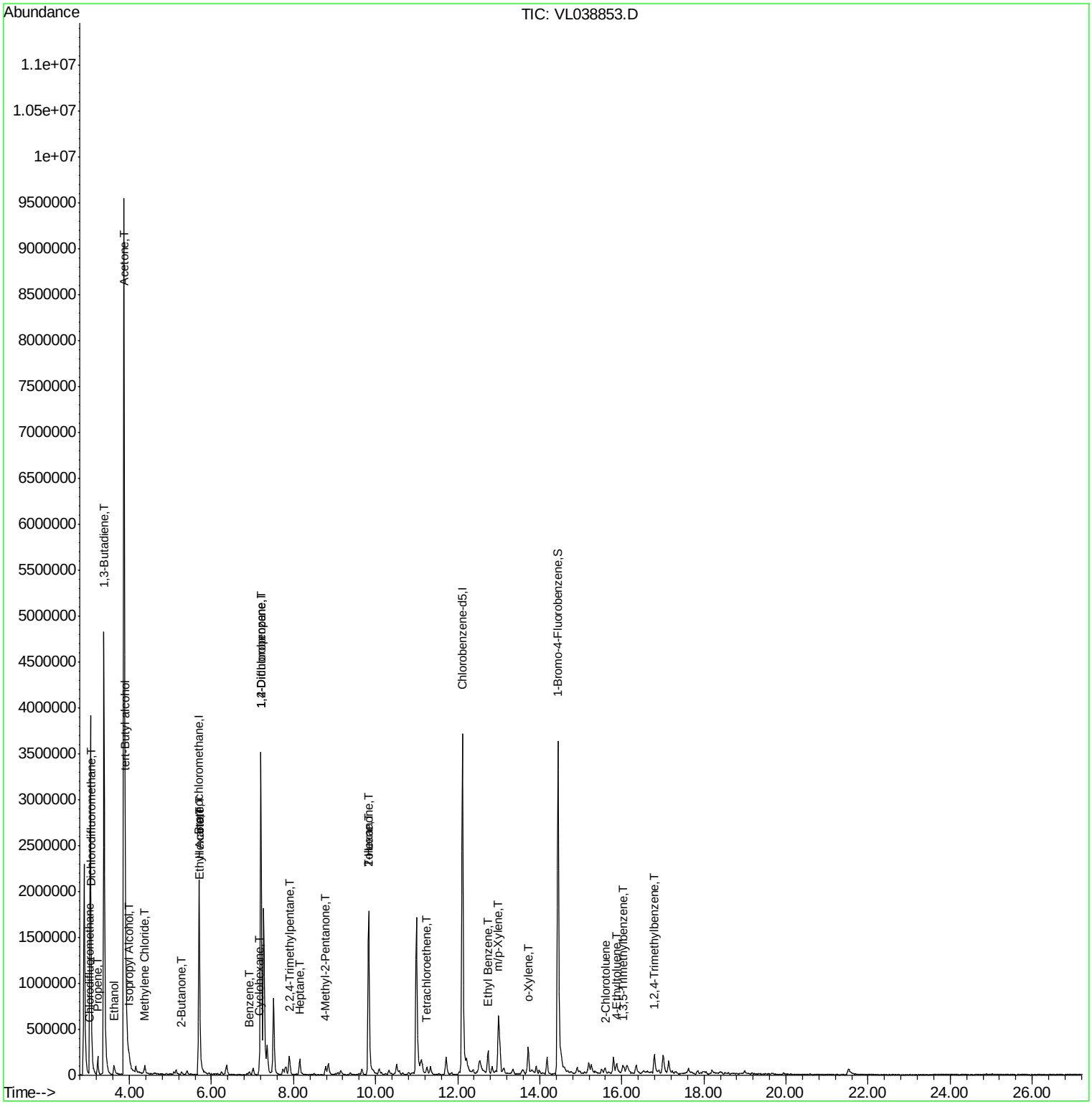
(#) = qualifier out of range (m) = manual integration (+) = signals summed

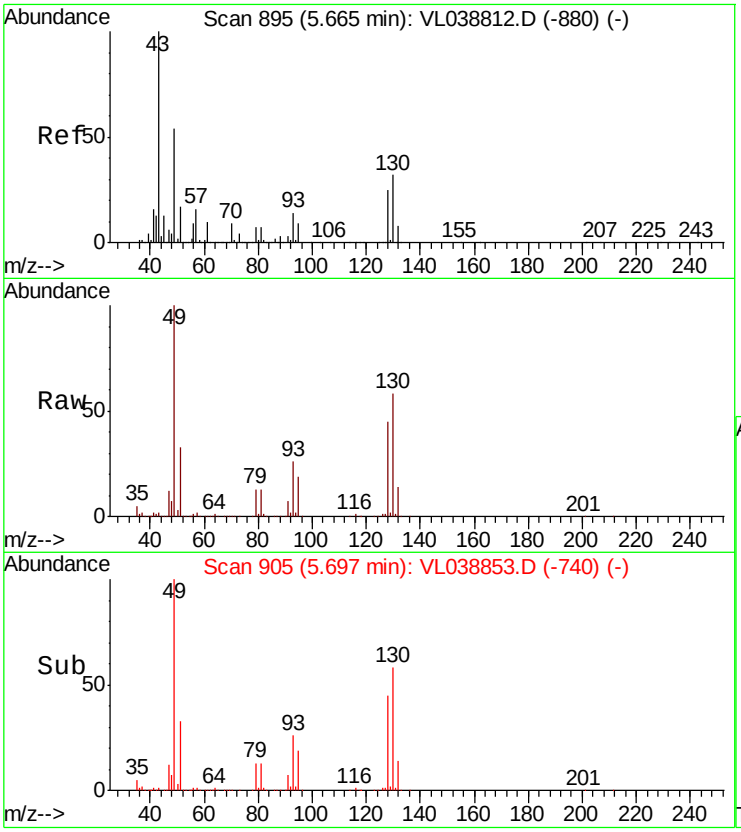
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040722\
Data File : VL038853.D
Acq On : 7 Apr 2022 22:48
Operator : SY/AP
Sample : N2273-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Quant Time: Apr 11 05:16:47 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration



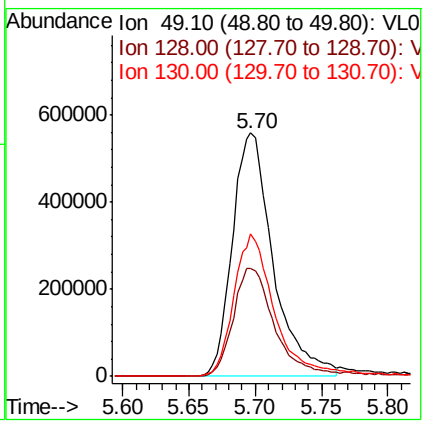


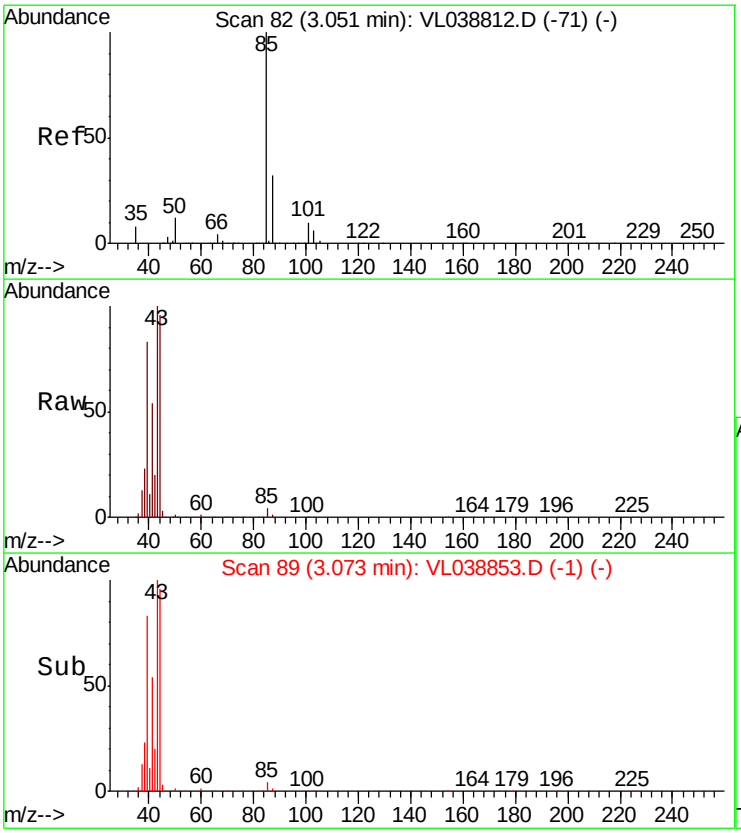
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 49 Resp: 1194603

Ion	Ratio	Lower	Upper
49	100		
128	47.0	24.1	72.3
130	59.9	30.9	92.8

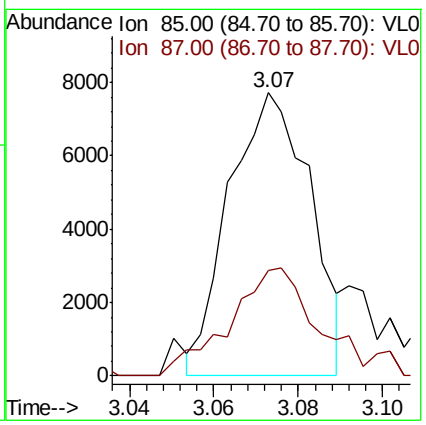


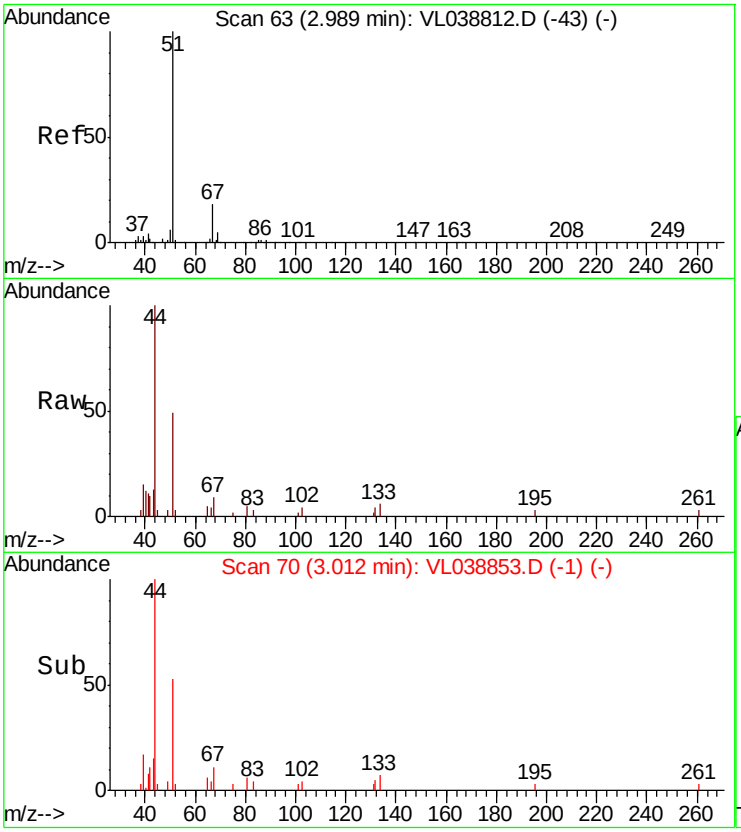


#2
Dichlorodifluoromethane
Concen: 0.061 ppbv
RT: 3.07 min Scan# 89
Delta R.T. 0.02 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 85 Resp: 10304

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.9	38.9



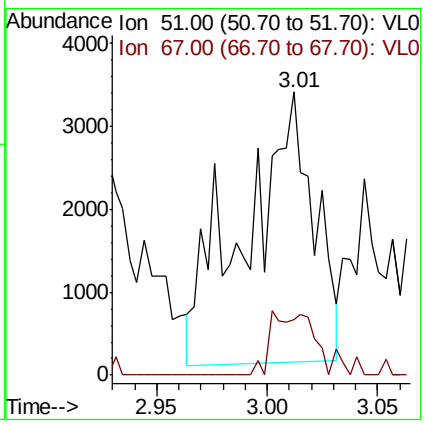


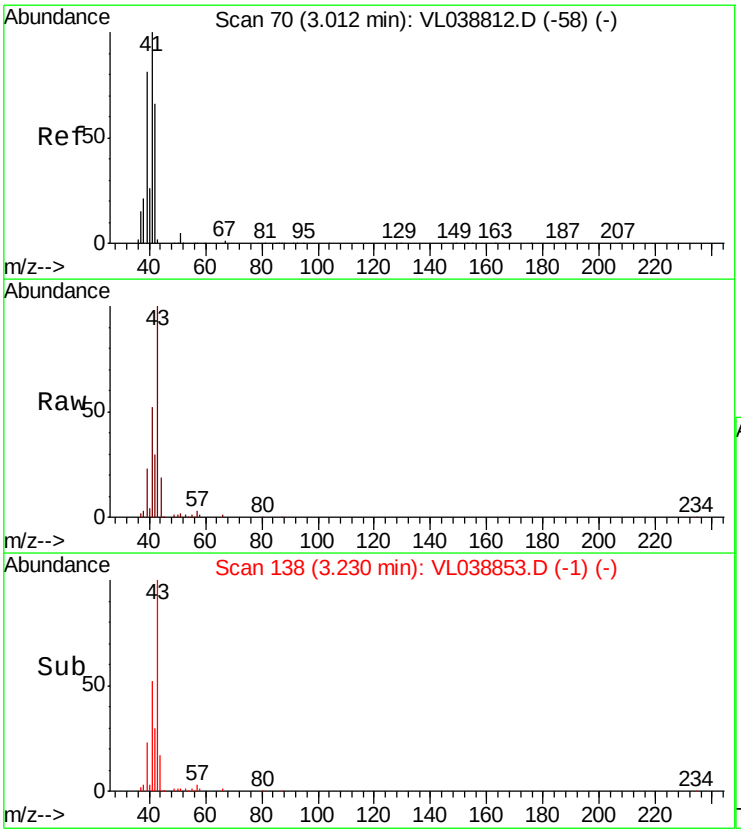
#3
Chlorodifluoromethane
Concen: 0.048 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 51 Resp: 7023

Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.4	20.0

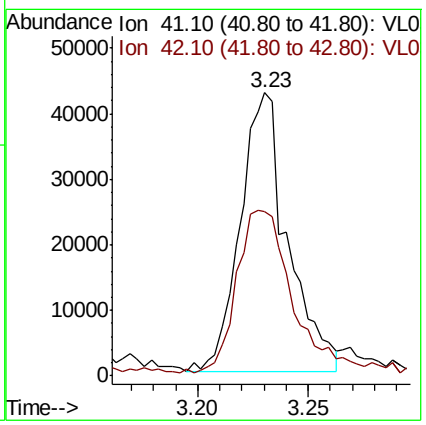


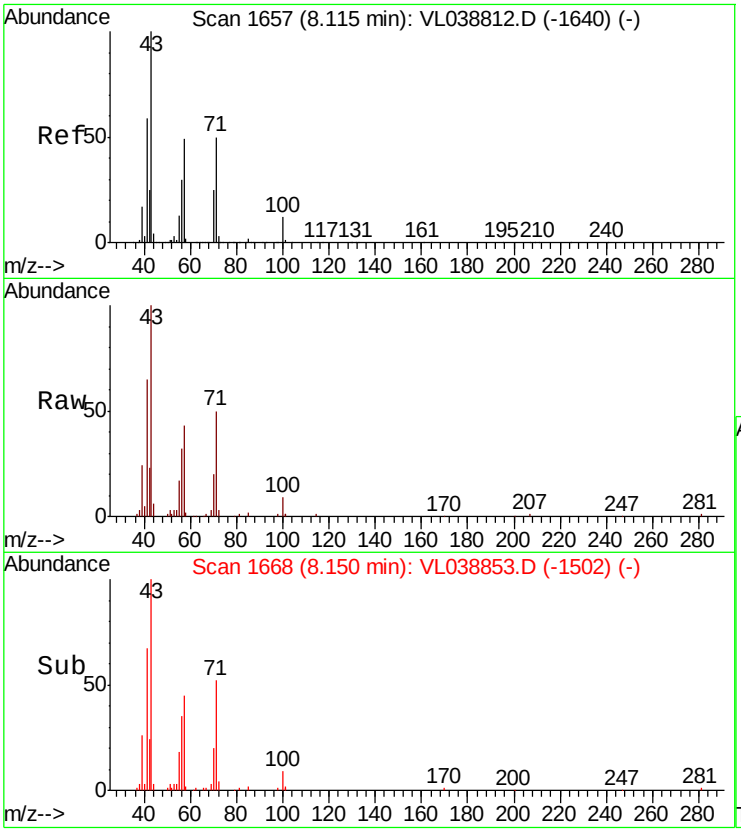


#9
Propene
Concen: 0.827 ppbv
RT: 3.23 min Scan# 138
Delta R.T. 0.22 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 41 Resp: 63760

Ion	Ratio	Lower	Upper
41	100		
42	66.8	54.2	81.4



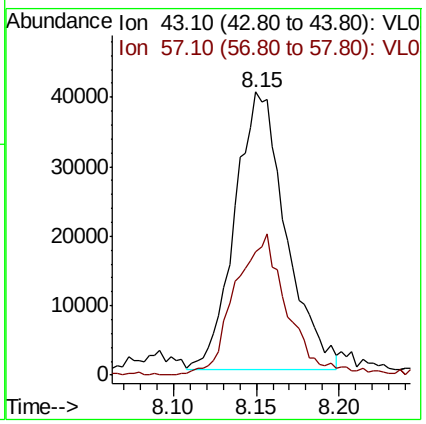


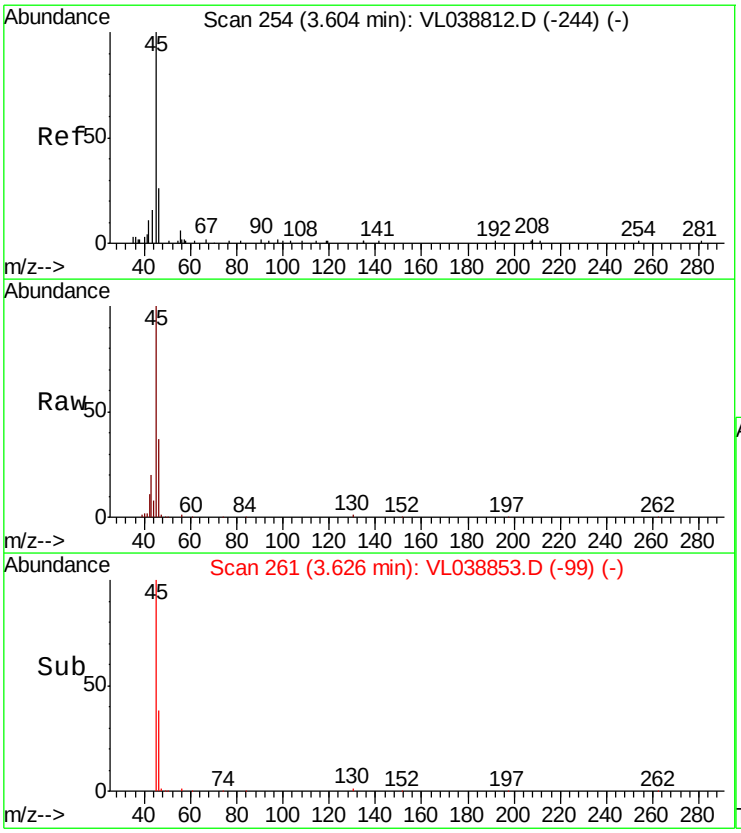
#10
Heptane
Concen: 0.441 ppbv
RT: 8.15
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 43 Resp: 85746

Ion	Ratio	Lower	Upper
43	100		
57	52.8	39.3	58.9

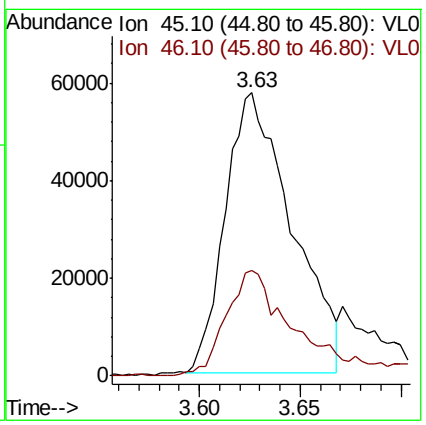


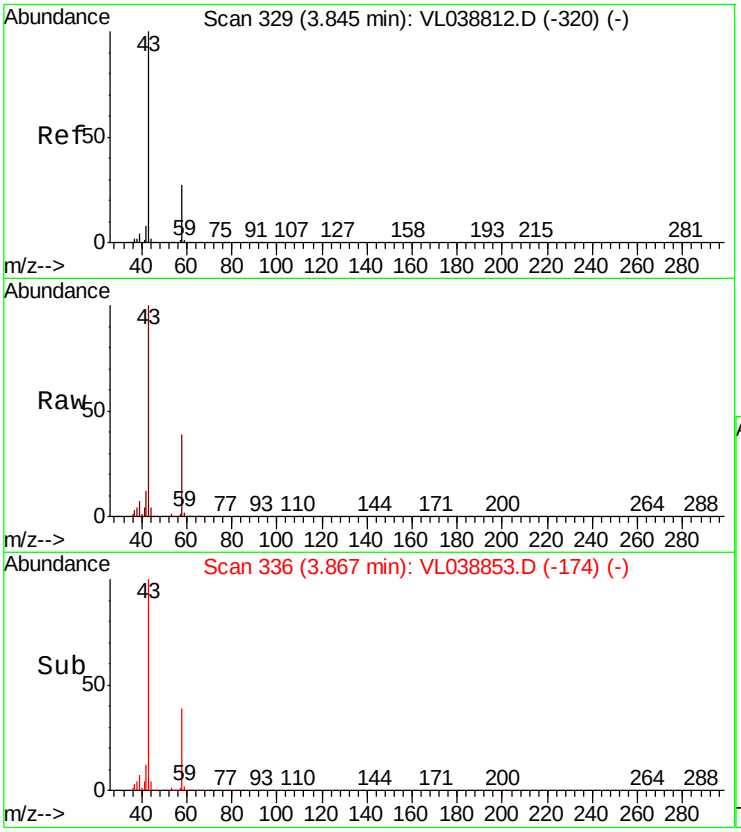


#13
Ethanol
Concen: 28.231 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 45 Resp: 132336

Ion	Ratio	Lower	Upper
45	100		
46	43.3	0.0	0.0#



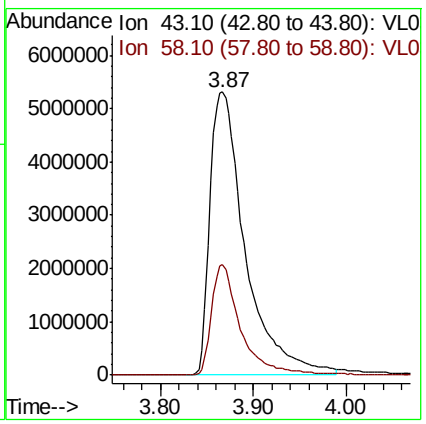


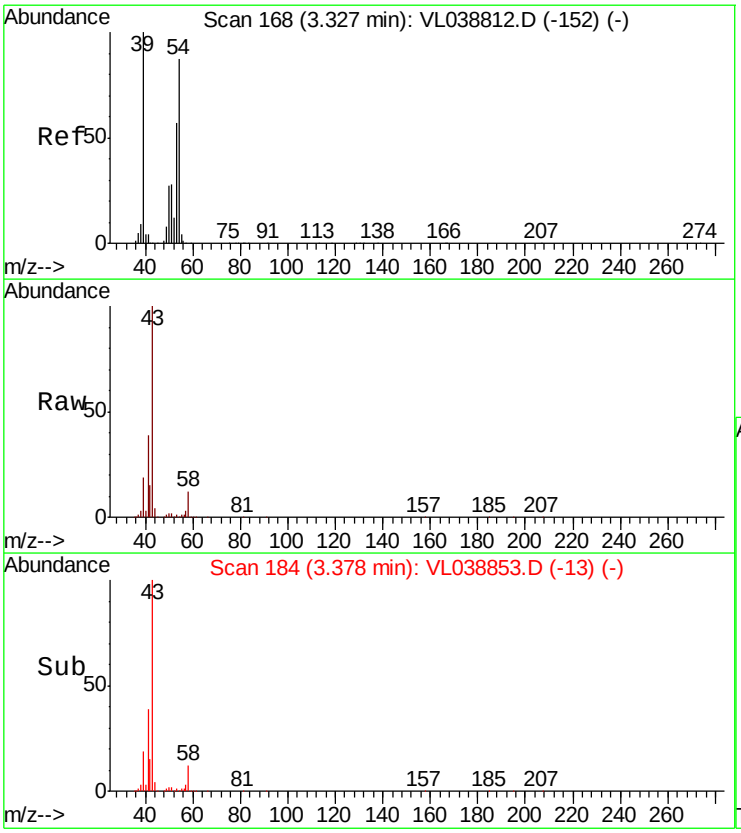
#15
Acetone
Concen: 118.561 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 43 Resp:14100864

Ion	Ratio	Lower	Upper
43	100		
58	32.7	22.5	33.7

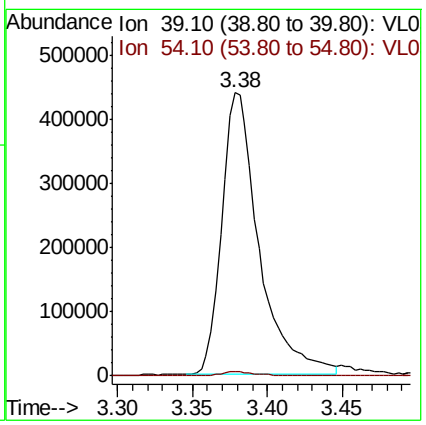


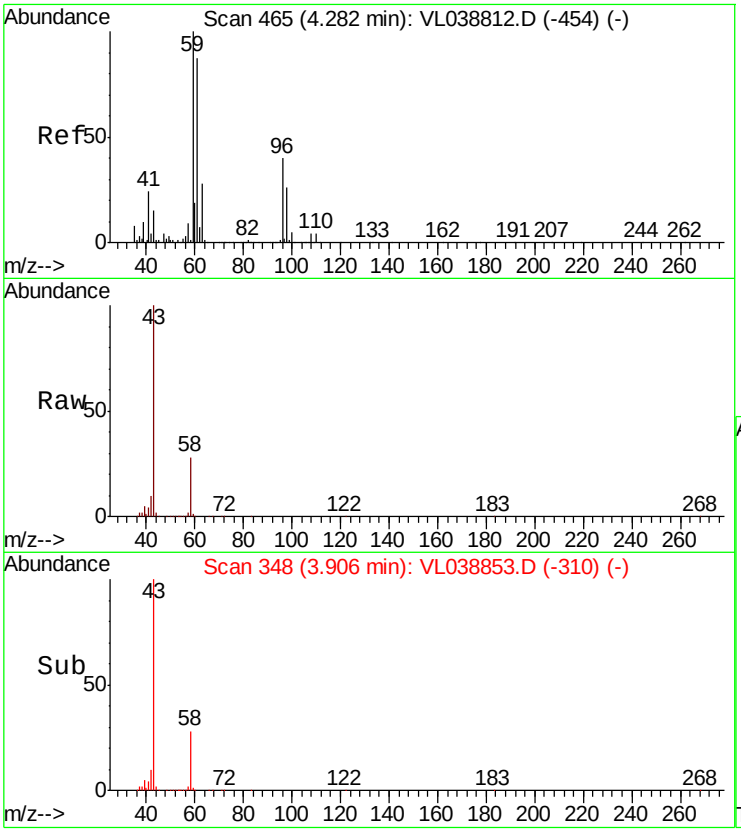


#16
1,3-Butadiene
Concen: 11.217 ppbv
RT: 3.38 min Scan# 184
Delta R.T. 0.05 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 39 Resp: 762692

Ion	Ratio	Lower	Upper
39	100		
54	1.8	64.8	97.2#



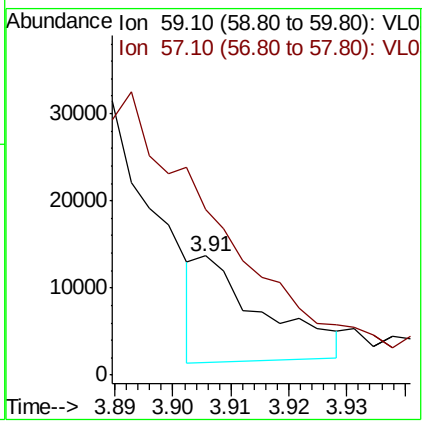


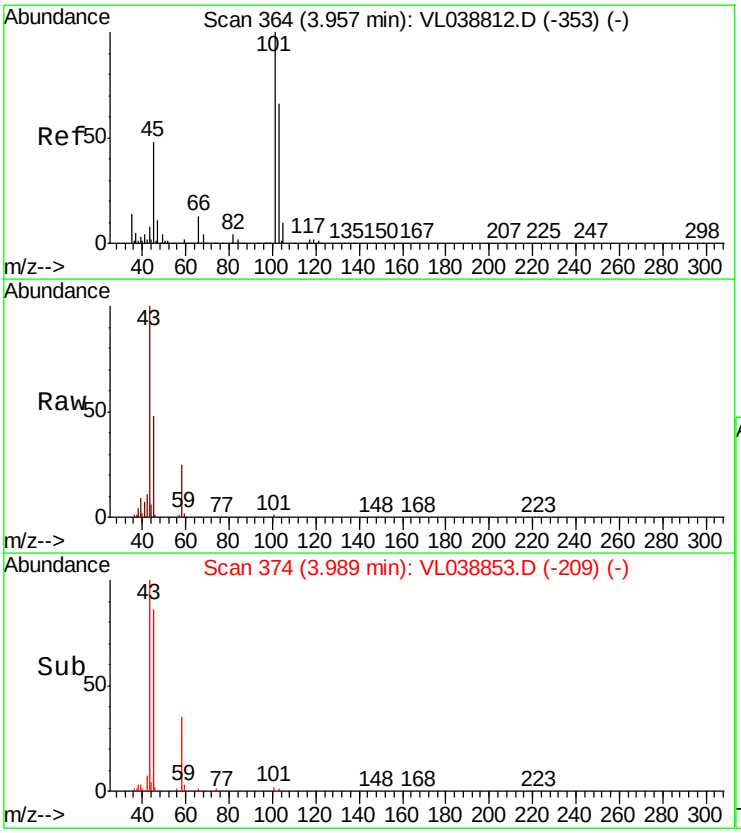
#17
tert-Butyl alcohol
Concen: 0.090 ppbv
RT: 3.91
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 59 Resp: 9585

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

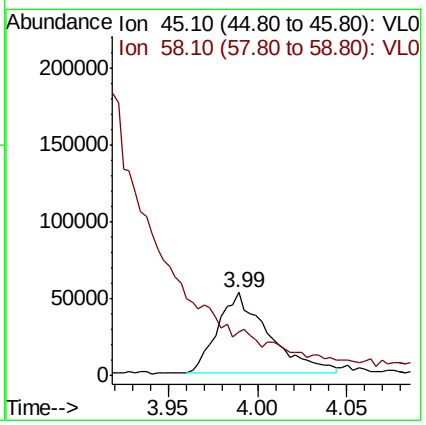


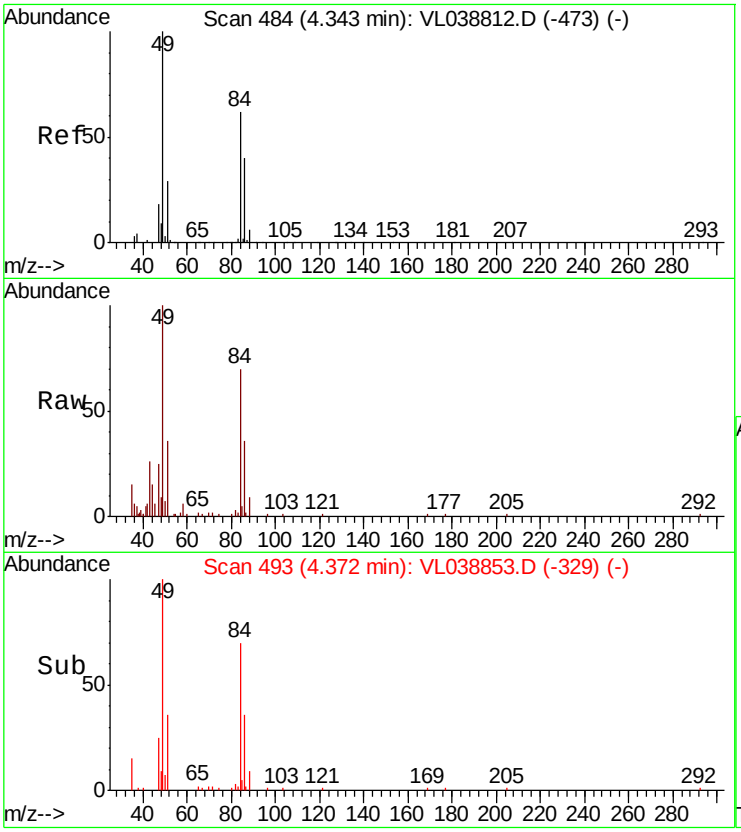


#19
Isopropyl Alcohol
Concen: 1.714 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 45 Resp: 104197

Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0



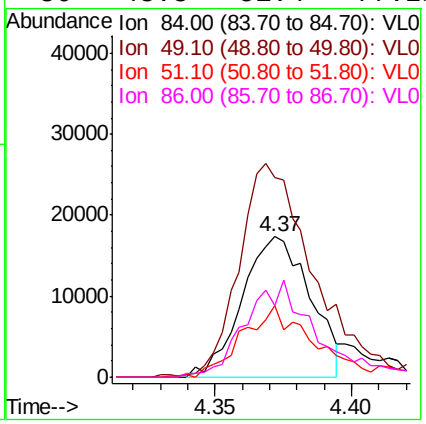


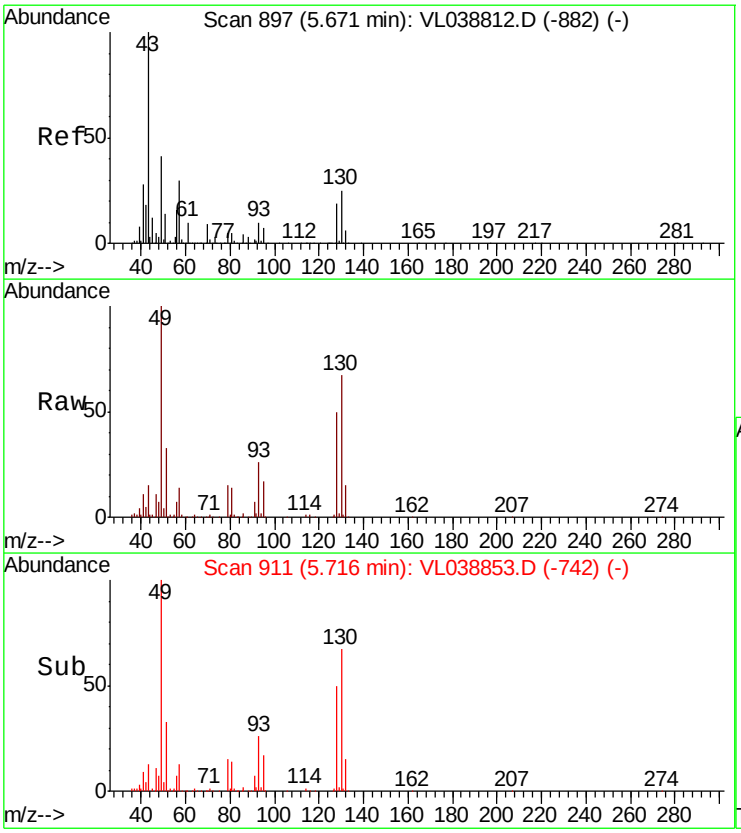
#20
Methylene Chloride
Concen: 0.699 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 84 Resp: 30145

Ion	Ratio	Lower	Upper
84	100		
49	140.4	129.4	194.0
51	49.0	37.4	56.2
86	48.3	51.4	77.2#

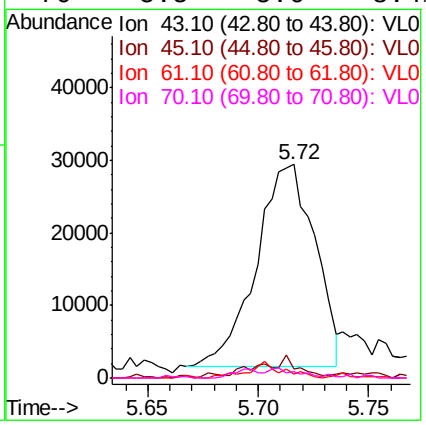


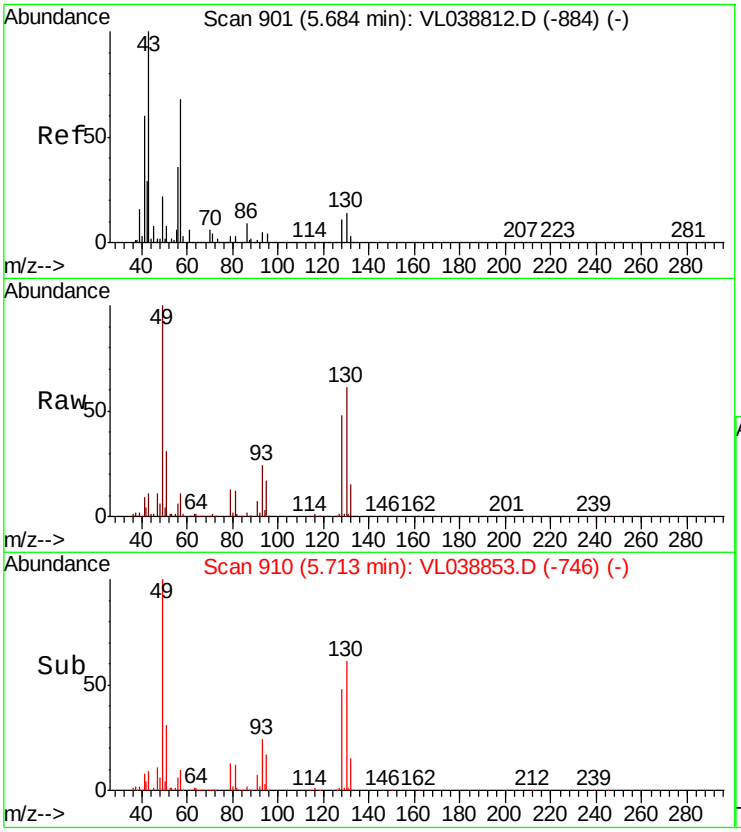


#25
Ethyl Acetate
Concen: 0.170 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 43 Resp: 51445

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	5.9	7.9	11.9#
70	5.5	5.6	8.4#



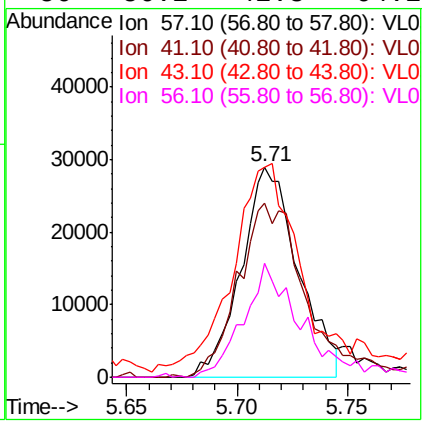


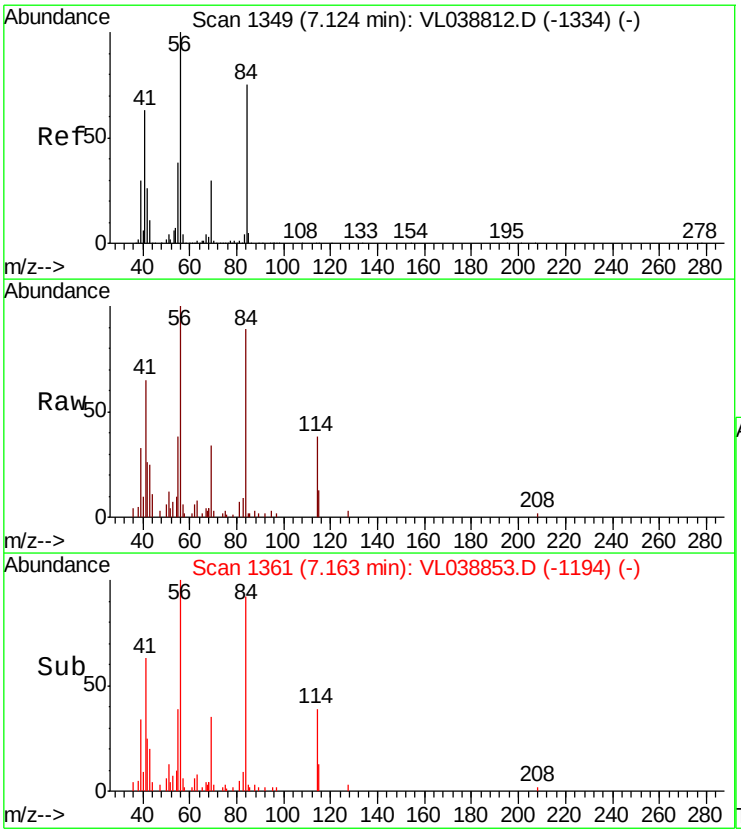
#26
Hexane
Concen: 0.379 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 57 Resp: 52000

Ion	Ratio	Lower	Upper
57	100		
41	100.4	72.0	108.0
43	124.6	186.6	280.0#
56	56.2	42.8	64.2

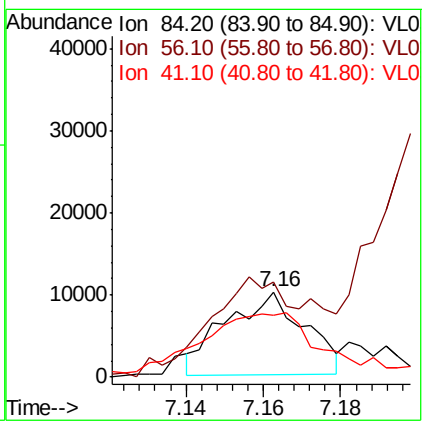


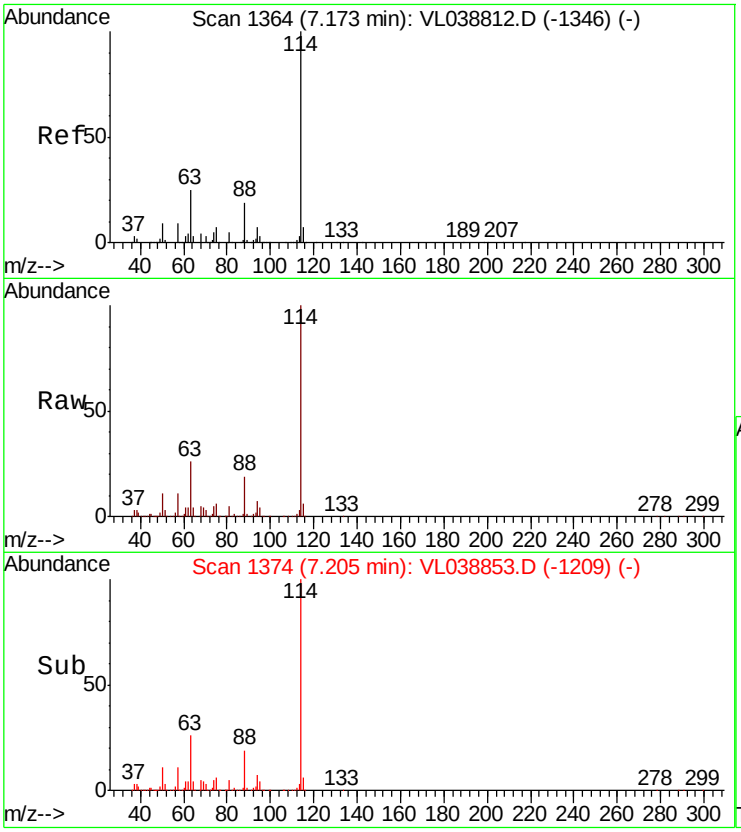


#30
Cyclohexane
Concen: 0.119 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 84 Resp: 14403

Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.4	171.6#
41	128.2	69.0	103.4#



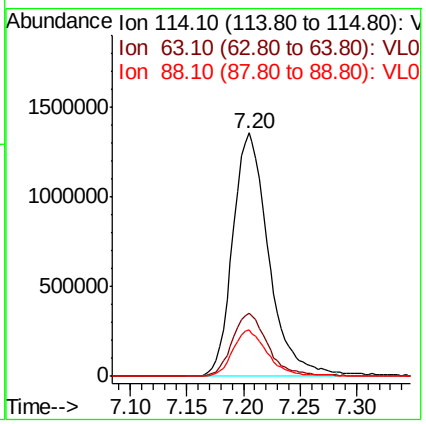


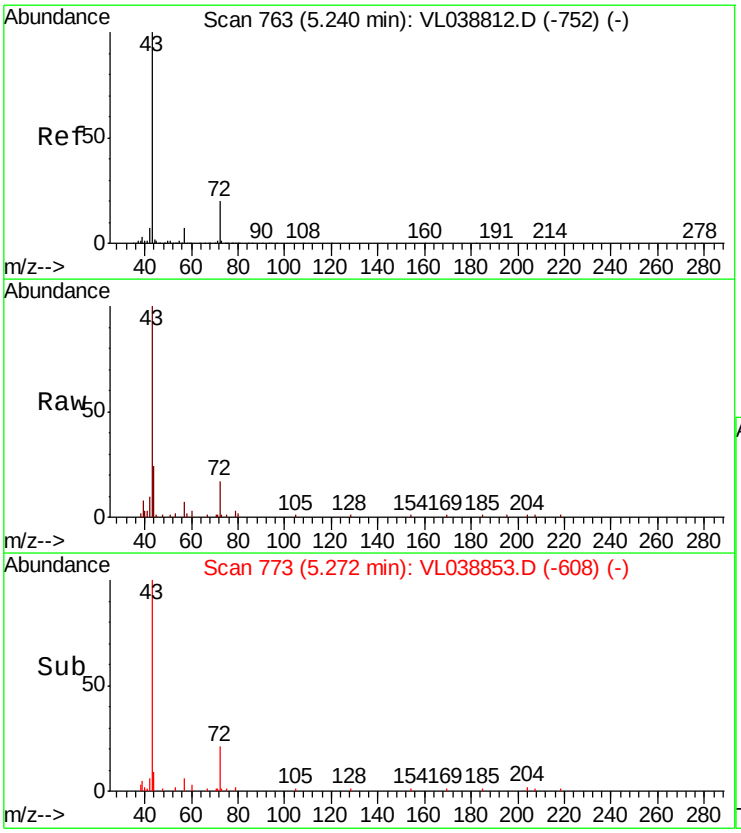
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion:114 Resp: 2997614

Ion	Ratio	Lower	Upper
114	100		
63	26.2	19.8	29.8
88	18.8	14.2	21.4

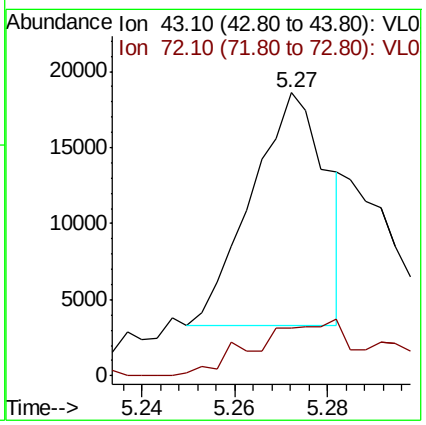


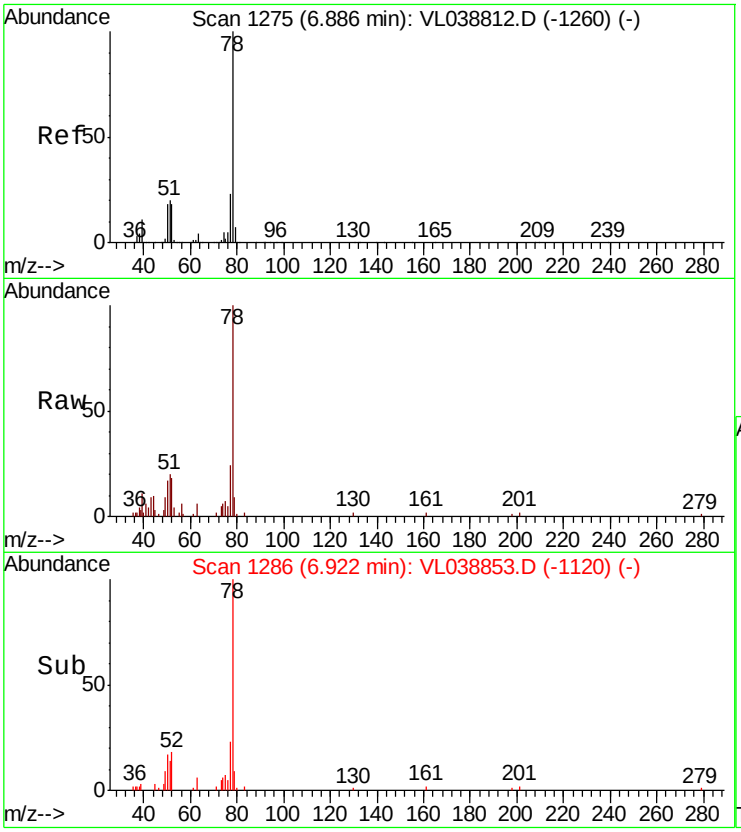


#34
2-Butanone
Concen: 0.146 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.03 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 43 Resp: 17329

Ion	Ratio	Lower	Upper
43	100		
72	46.6	16.9	25.3#



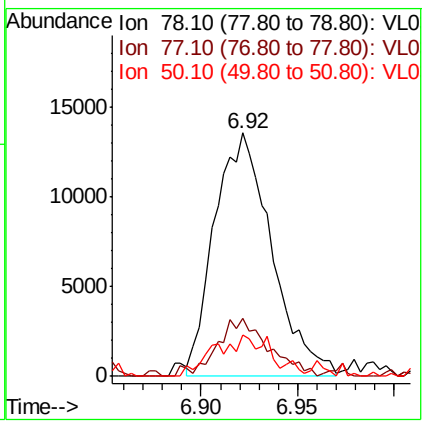


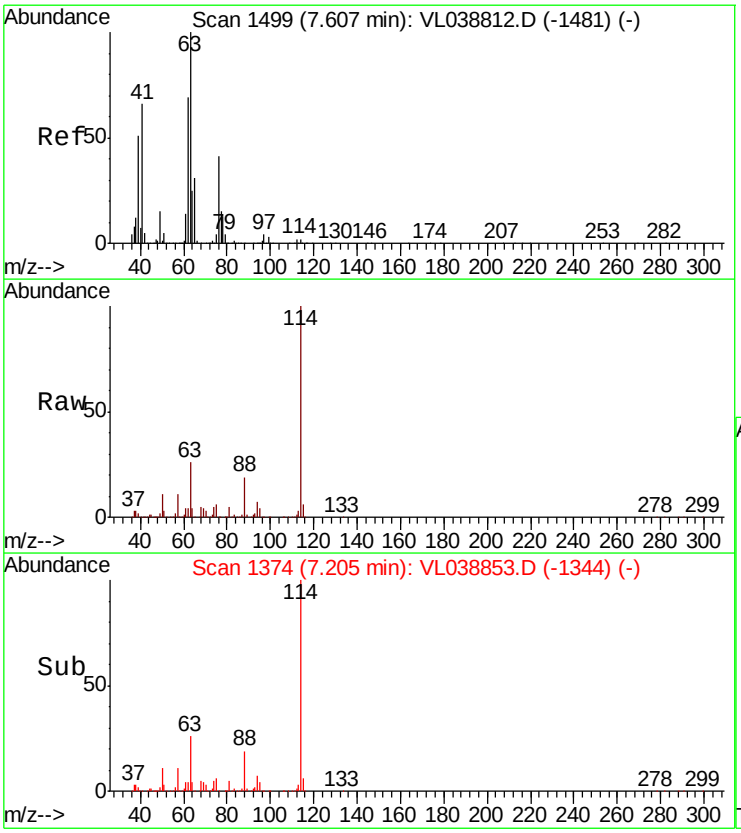
#36
Benzene
Concen: 0.103 ppbv
RT: 6.92
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 78 Resp: 27994

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.2	27.2
50	17.2	14.0	21.0

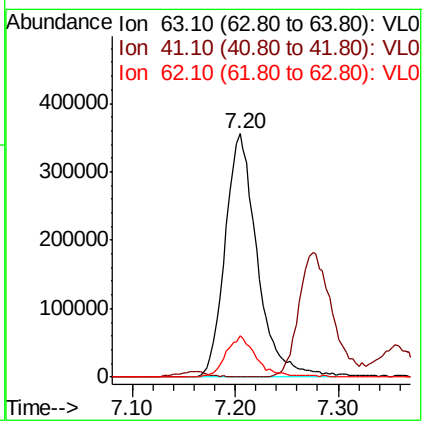


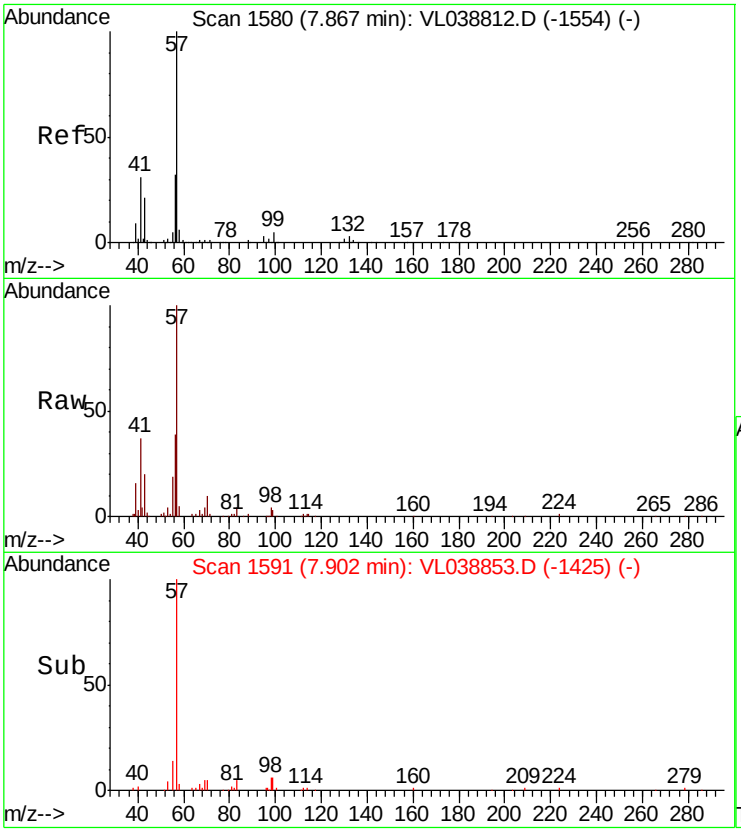


#39
1,2-Dichloropropane
Concen: 7.416 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. -0.40 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 63 Resp: 773501

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	17.0	55.0	82.4#



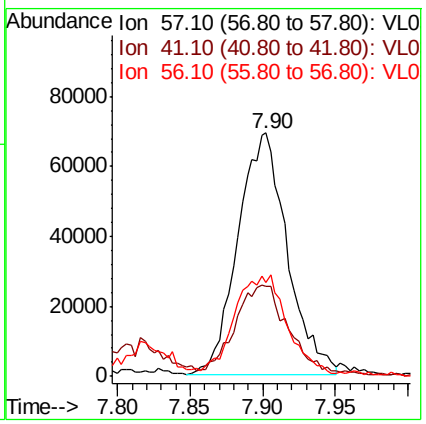


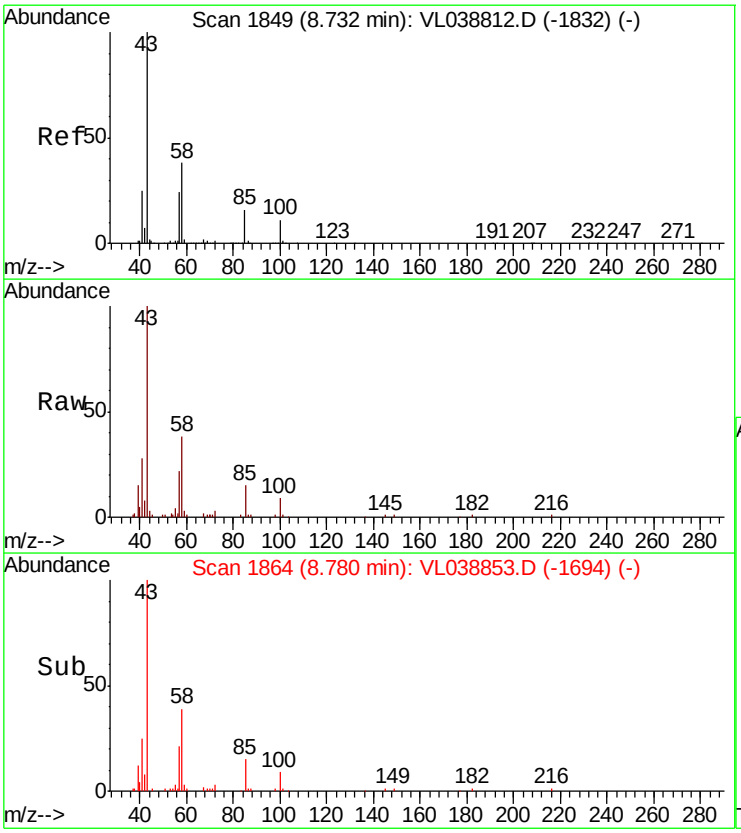
#44
2,2,4-Trimethylpentane
Concen: 0.356 ppbv
RT: 7.90
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 57 Resp: 164158

Ion	Ratio	Lower	Upper
57	100		
41	41.6	25.0	37.4#
56	44.5	25.3	37.9#

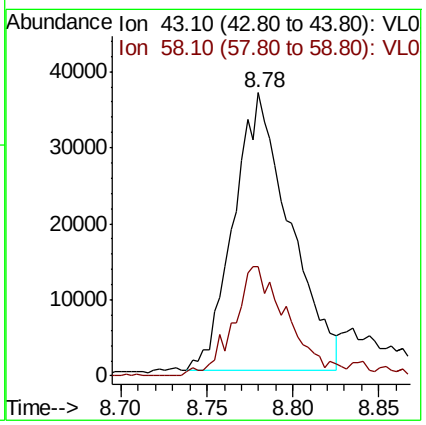


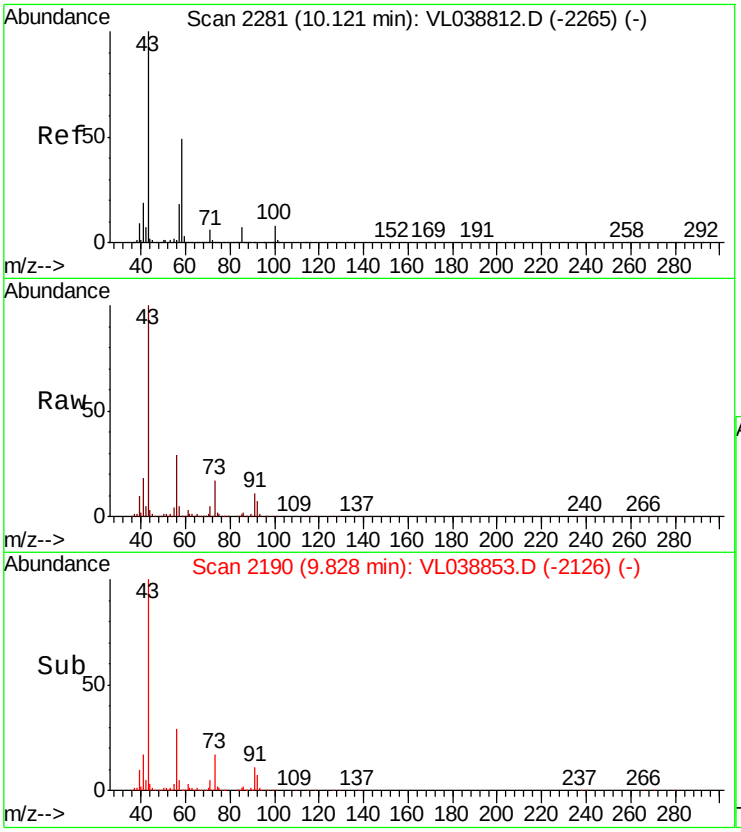


#50
4-Methyl-2-Pentanone
Concen: 0.313 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.05 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 43 Resp: 83351

Ion	Ratio	Lower	Upper
43	100		
58	40.5	29.0	43.6



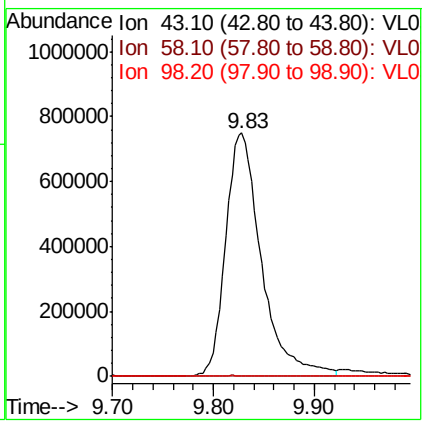


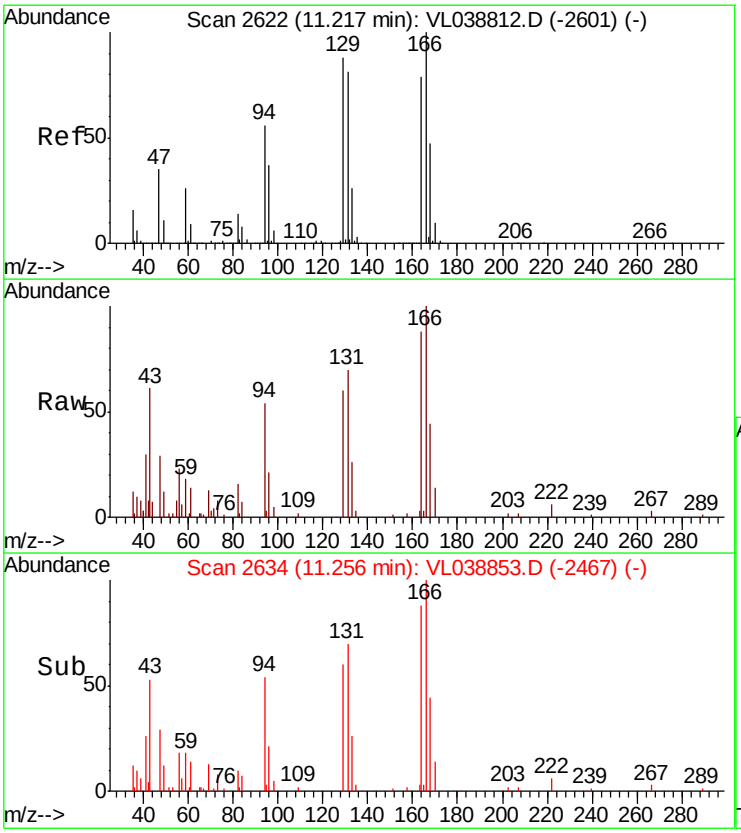
#51
2-Hexanone
Concen: 9.191 ppbv
RT: 9.83
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 43 Resp: 1845190

Ion	Ratio	Lower	Upper
43	100		
58	0.4	41.4	62.0#
98	0.0	0.1	0.1#

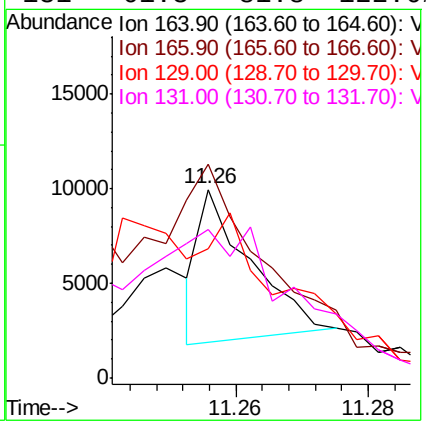


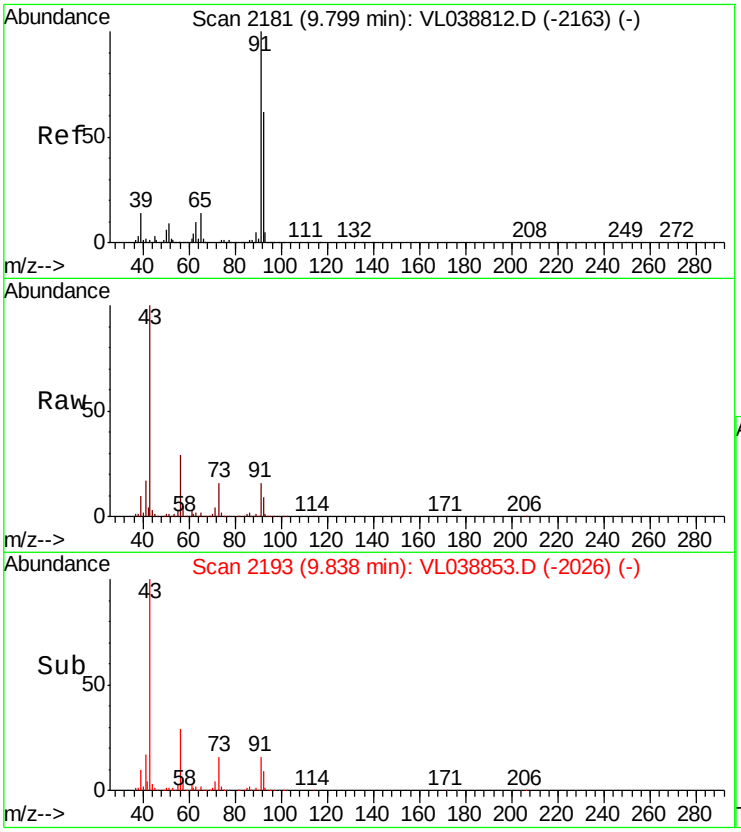


#52
Tetrachloroethene
Concen: 0.045 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion:164 Resp: 4331

Ion	Ratio	Lower	Upper
164	100		
166	104.9	101.0	151.6
129	47.2	88.7	133.1#
131	61.3	81.8	122.6#



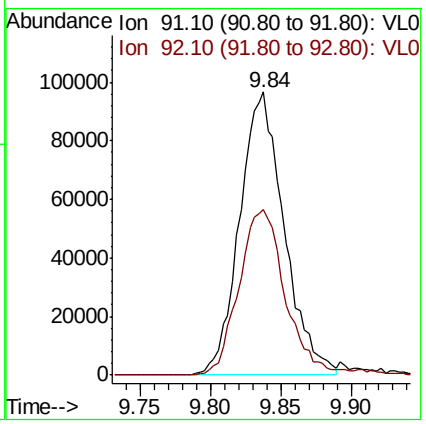


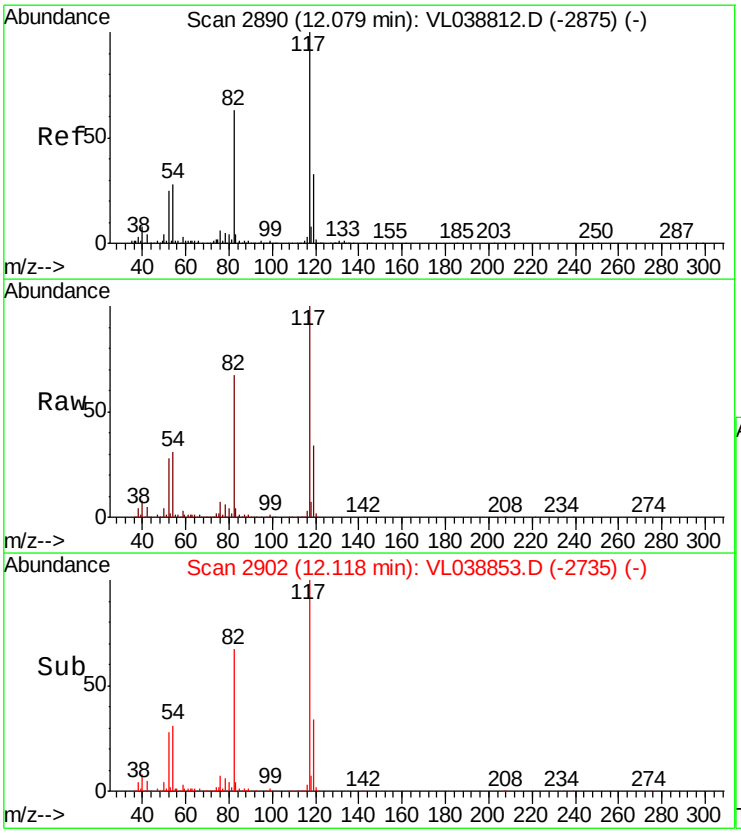
#53
Toluene
Concen: 0.679 ppbv
RT: 9.84
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 91 Resp: 213842

Ion	Ratio	Lower	Upper
91	100		
92	61.9	49.2	73.8

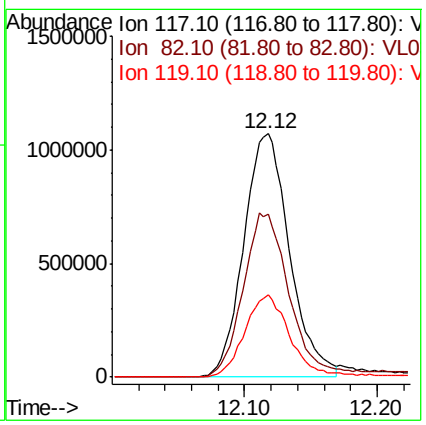


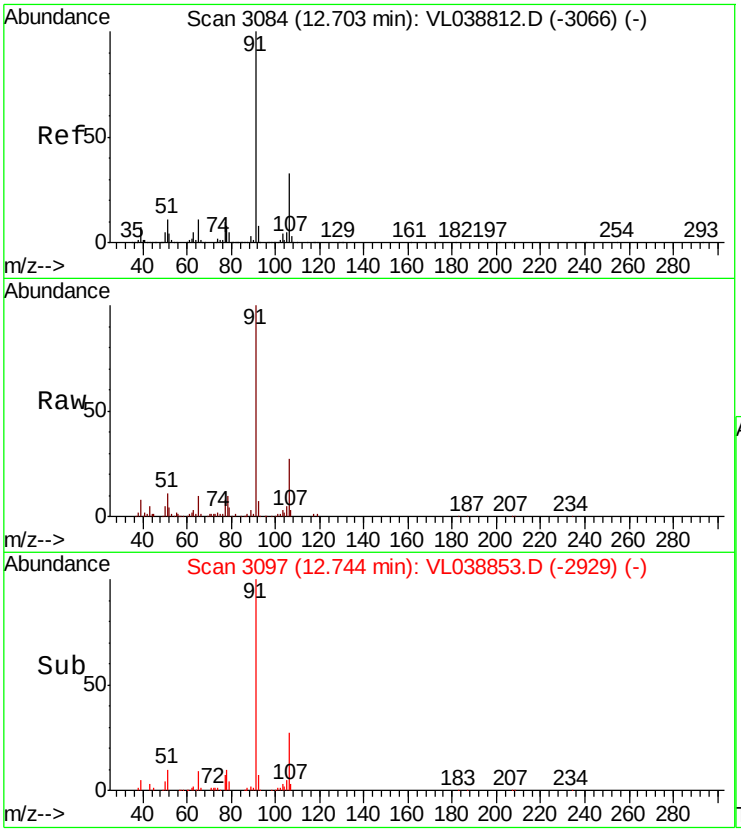


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion:117 Resp: 2580154

Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.0	79.6
119	34.2	24.9	37.3



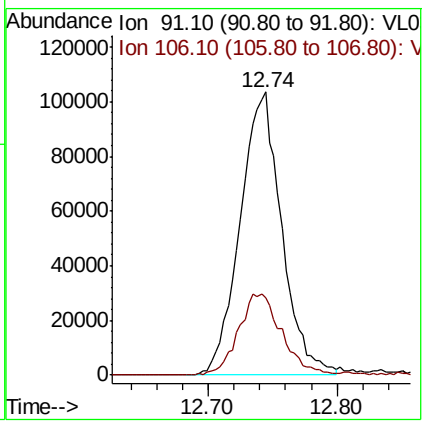


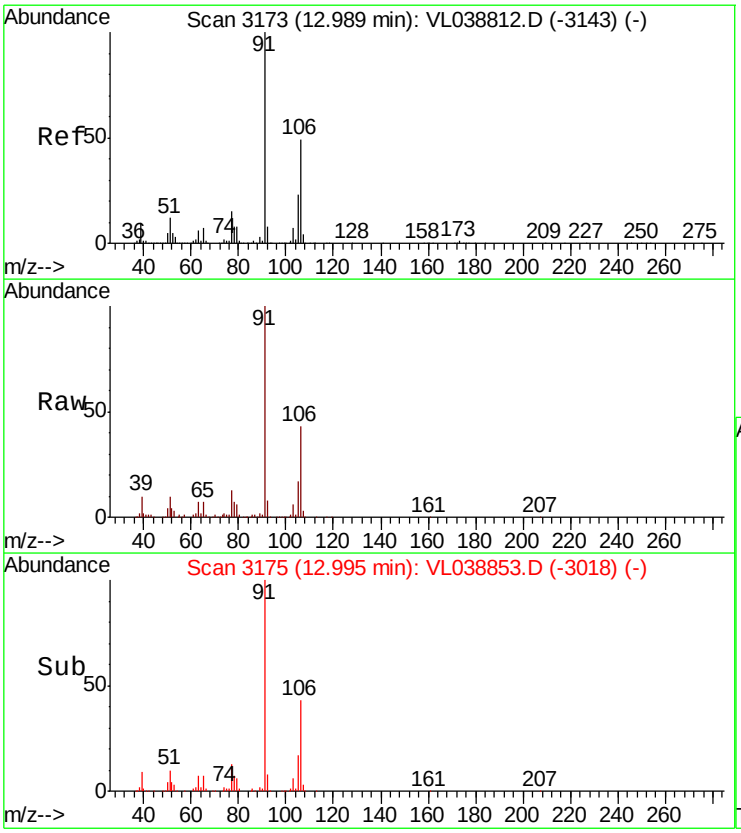
#58
Ethyl Benzene
Concen: 0.604 ppbv
RT: 12.74
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 91 Resp: 232836

Ion	Ratio	Lower	Upper
91	100		
106	27.4	26.7	40.1

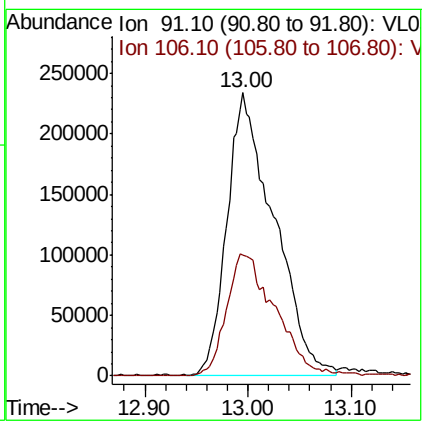


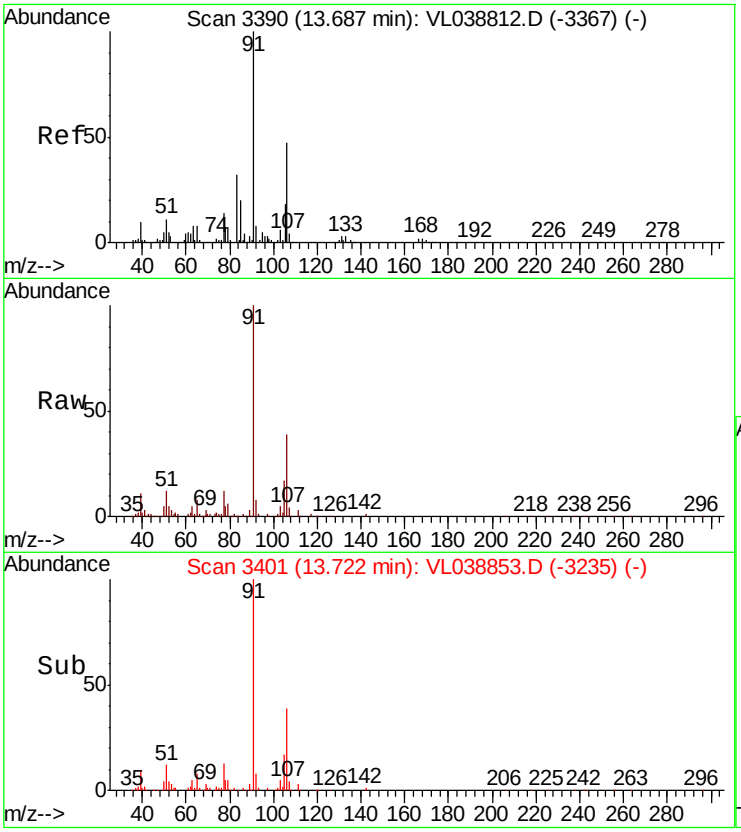


#59
m/p-Xylene
Concen: 2.276 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 91 Resp: 737116

Ion	Ratio	Lower	Upper
91	100		
106	45.8	37.1	55.7



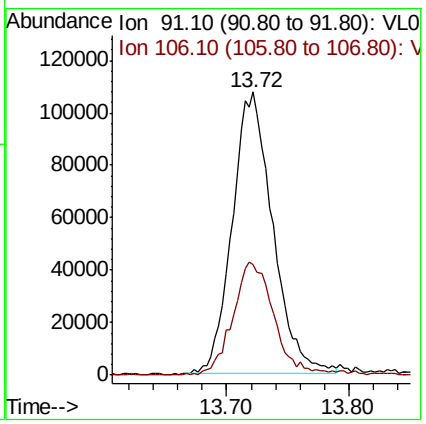


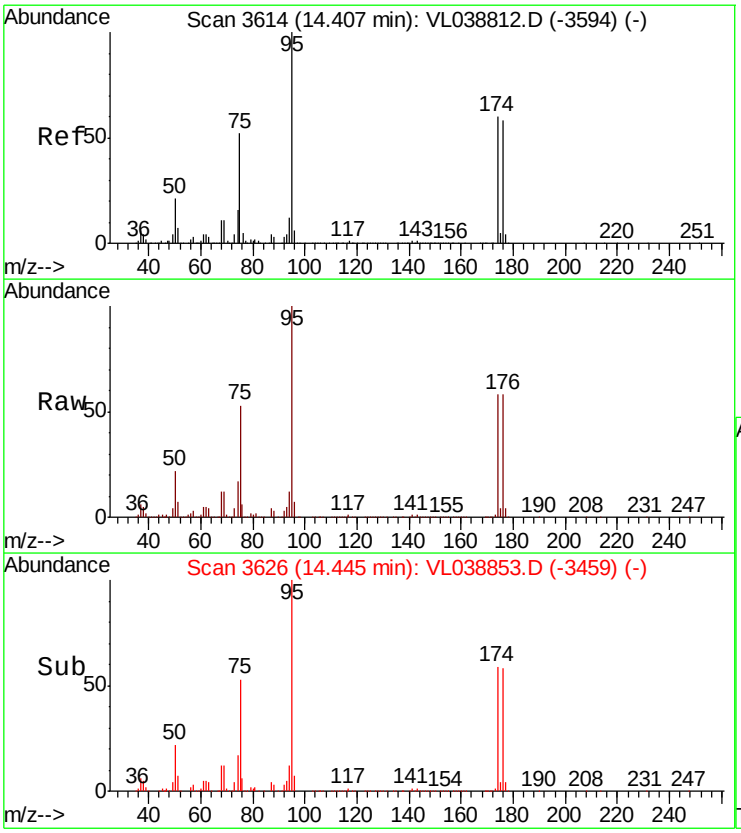
#60
o-Xylene
Concen: 0.808 ppbv
RT: 13.72
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 91 Resp: 244809

Ion	Ratio	Lower	Upper
91	100		
106	41.5	23.8	71.4

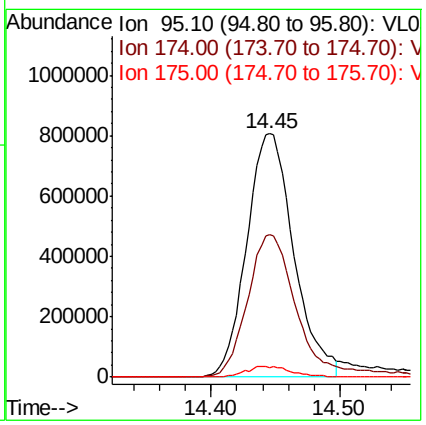


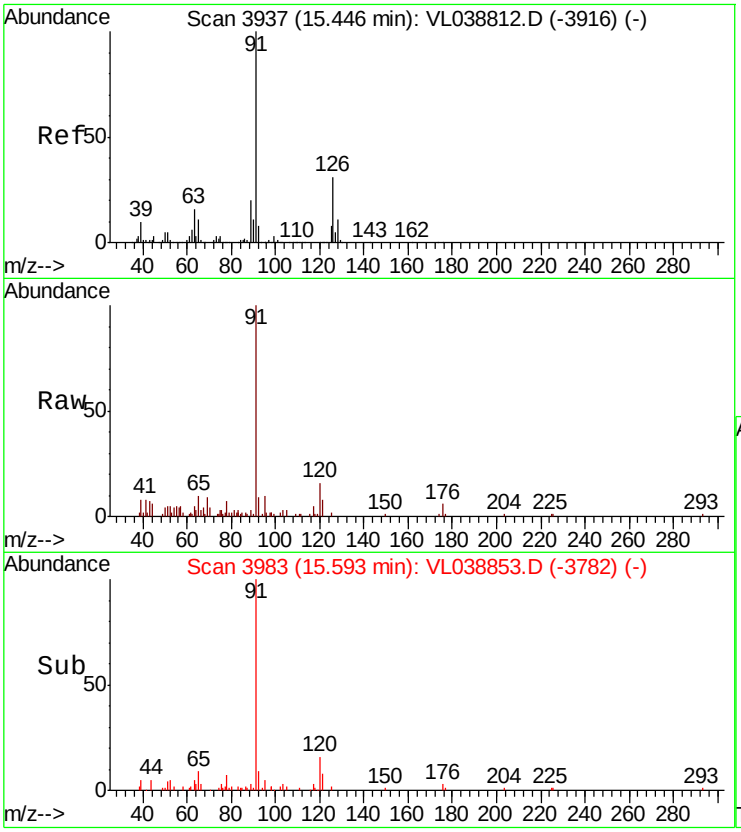


#68
1-Bromo-4-Fluorobenzene
Concen: 10.466 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 95 Resp: 2048238

Ion	Ratio	Lower	Upper
95	100		
174	63.8	52.0	78.0
175	4.3	4.0	6.0



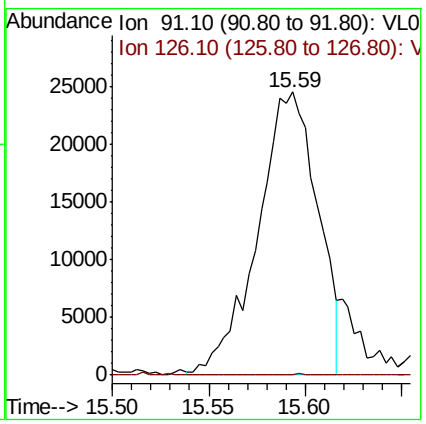


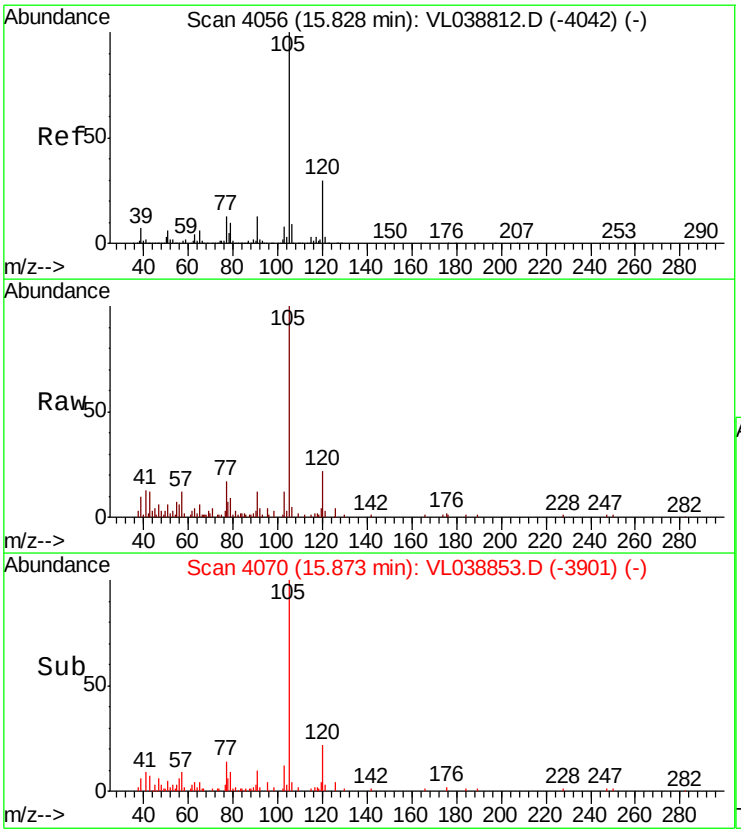
#71
2-Chlorotoluene
Concen: 0.154 ppbv
RT: 15.59
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion: 91 Resp: 52543

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.0	51.8#

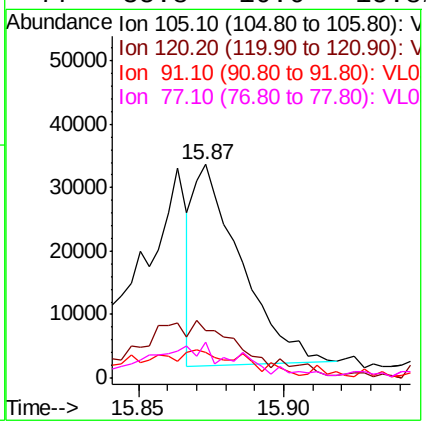


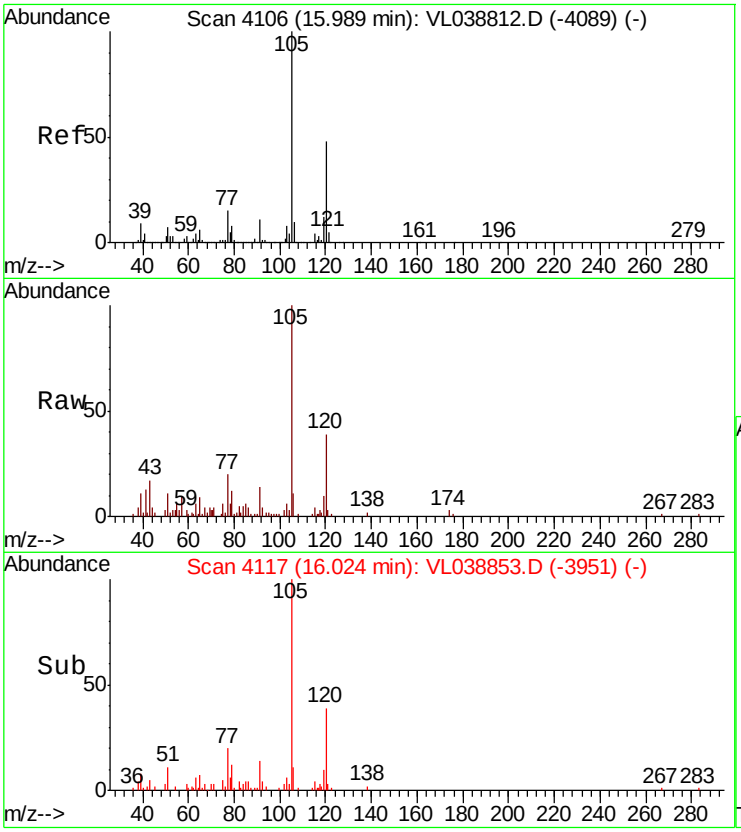


#72
4-Ethyltoluene
Concen: 0.099 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion:105 Resp: 35836

Ion	Ratio	Lower	Upper
105	100		
120	60.4	24.3	36.5#
91	36.9	9.4	14.2#
77	35.8	10.6	15.8#



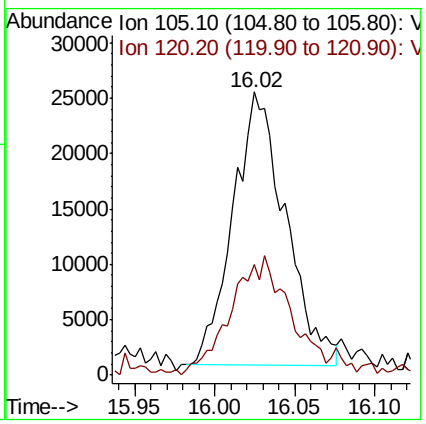


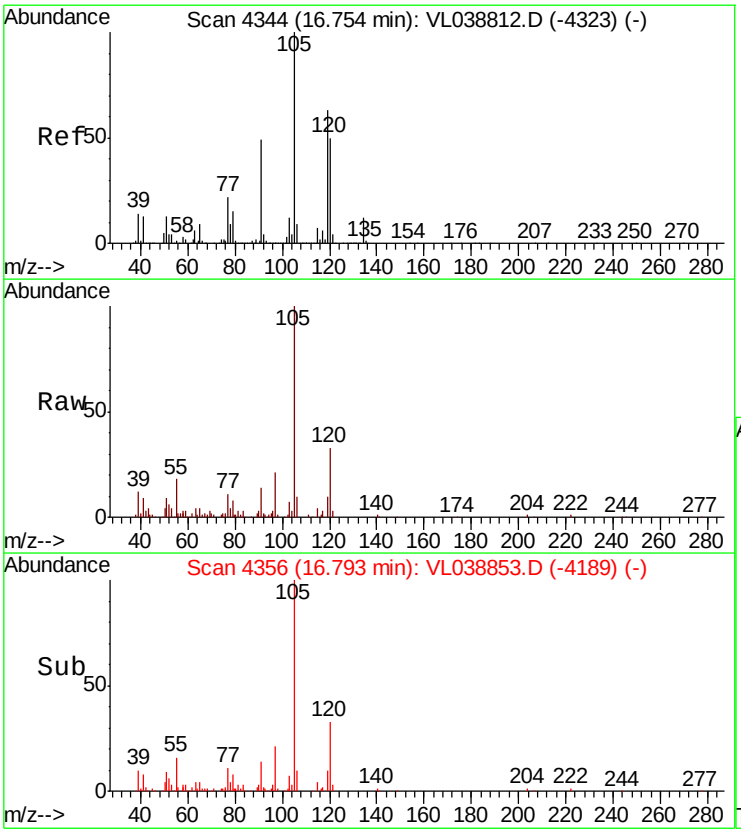
#73
1,3,5-Trimethylbenzene
Concen: 0.171 ppbv
RT: 16.02
Delta R.T
Lab File:
Acq: 7 Apr 2022 22:48

Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Tgt Ion:105 Resp: 55512

Ion	Ratio	Lower	Upper
105	100		
120	38.5	38.7	58.1#





#74
1,2,4-Trimethylbenzene
Concen: 0.401 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion:105 Resp: 137873

Ion	Ratio	Lower	Upper
105	100		
120	32.3	39.8	59.8#
91	13.8	39.4	59.0#
77	10.5	17.3	25.9#