Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052522\
Data File : VL039127.D
Acq On : 26 May 2022 9:25
Operator : SY/AP
Sample : N2957-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VP-1DL

Quant Time: May 27 04:25:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1024602	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2236873	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.05	117	1988476	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1623764	10.31	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	18440	0.115	ppbv		93
3) Chlorodifluoromethane	2.98	51	10436	0.082	ppbv	#	89
4) Chloromethane	3.13	50	3457	0.054	ppbv		91
10) Heptane	8.09	43	8068	0.059	ppbv	#	27
13) Ethanol	3.60	45	20154	5.129	ppbv		98
15) Acetone	3.83	43	411303	4.256	ppbv		96
16) 1,3-Butadiene	3.33	39	2406	0.043	ppbv	#	1
20) Methylene Chloride	4.33	84	97565	2.678	ppbv		96
23) Vinyl Acetate	5.05	43	3049	0.040	ppbv	#	1
25) Ethyl Acetate	5.66	43	55592	0.240	ppbv	#	78
26) Hexane	5.66	57	77246	0.752	ppbv	#	39
27) Carbon Disulfide	4.53	76	10822	0.111	ppbv	#	31
29) Chloroform	5.73	83	62166	0.374	ppbv		90
34) 2-Butanone	5.23	43	22856	0.200	ppbv	#	8
36) Benzene	6.86	78	27357	0.143	ppbv	#	92
39) 1,2-Dichloropropane	7.15	63	655429	8.800	ppbv	#	27
44) 2,2,4-Trimethylpentane	7.84	57	11818	0.035	ppbv	#	20
52) Tetrachloroethene	11.18	164	22582	0.330	ppbv		87
53) Toluene	9.76	91	50433	0.235	ppbv	#	21
57) Chlorobenzene	12.11	112	6713	0.045	ppbv	#	61
58) Ethyl Benzene	12.68	91	31158	0.109	ppbv		91
59) m/p-Xylene	12.96	91	18699	0.077	ppbv	#	33
60) o-Xylene	13.64	91	14231	0.062	ppbv	#	32
72) 4-Ethyltoluene	15.79	105	9432	0.036	ppbv	#	55
74) 1,2,4-Trimethylbenzene	16.72	105	37374	0.145	ppbv	#	72

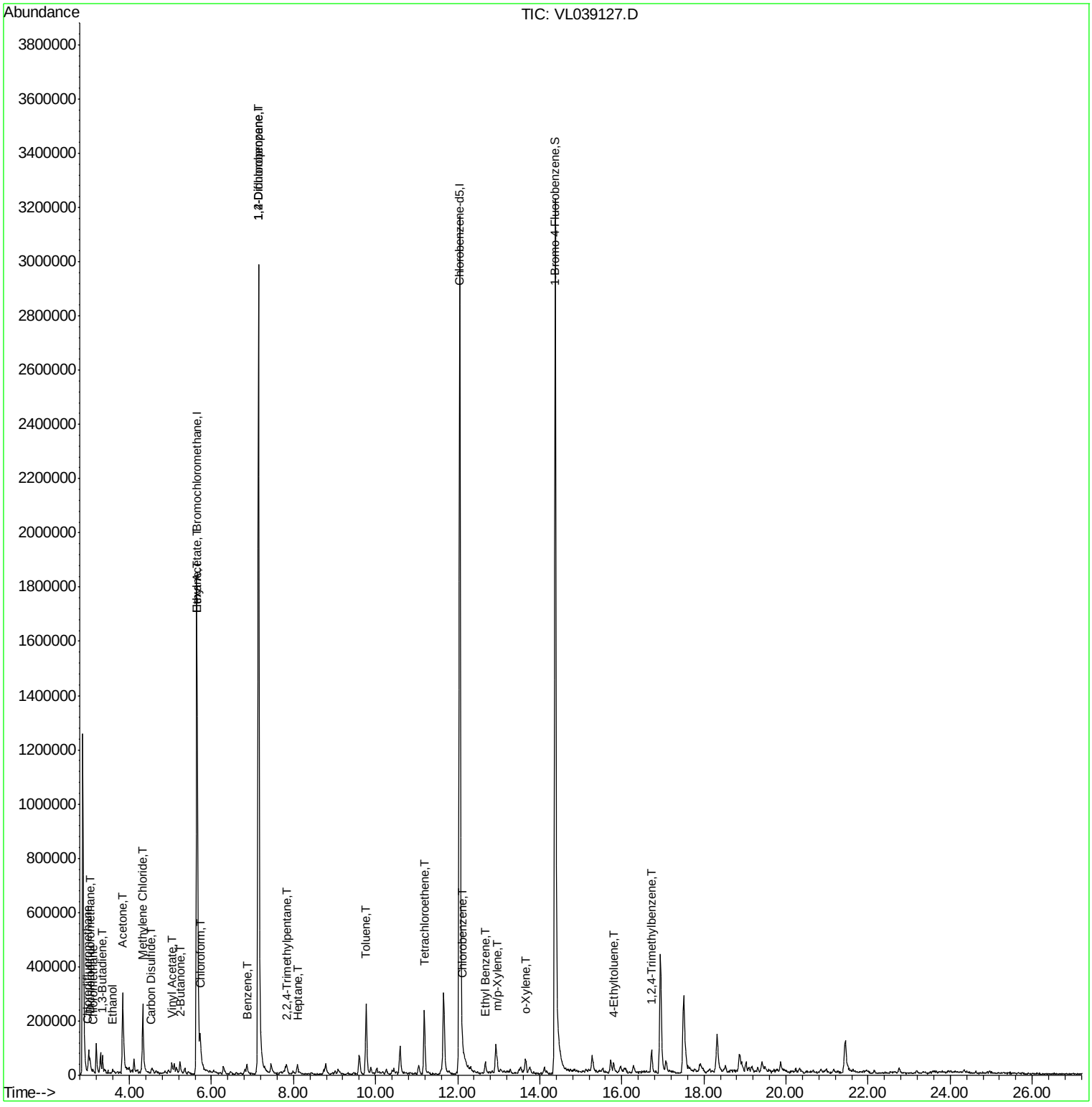
(#) = qualifier out of range (m) = manual integration (+) = signals summed

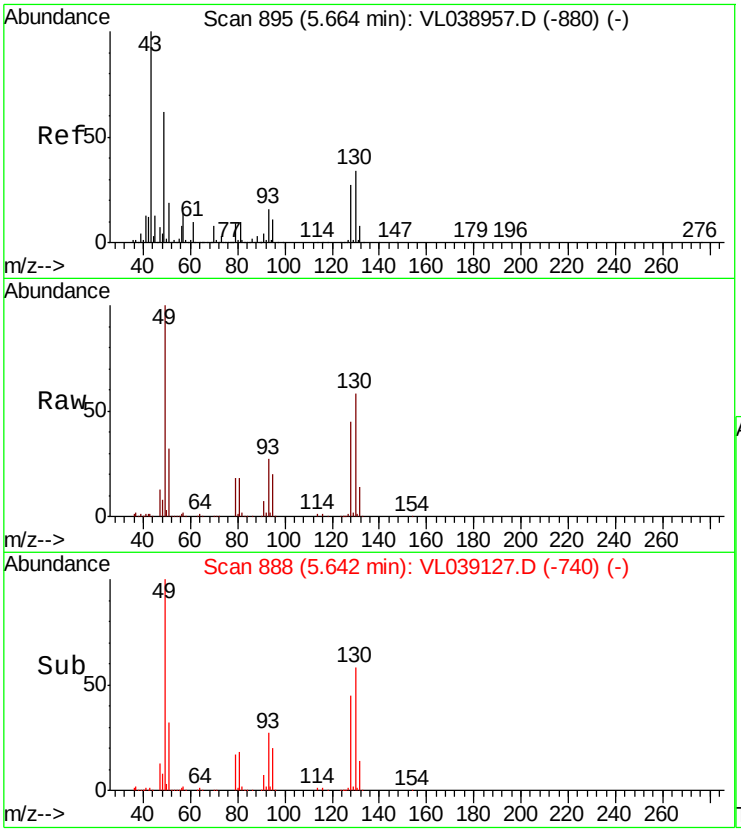
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052522\
Data File : VL039127.D
Acq On : 26 May 2022 9:25
Operator : SY/AP
Sample : N2957-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Quant Time: May 27 04:25:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



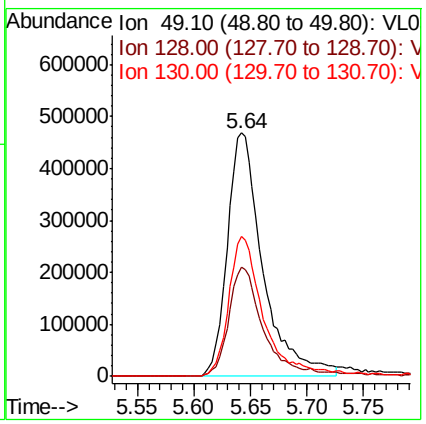


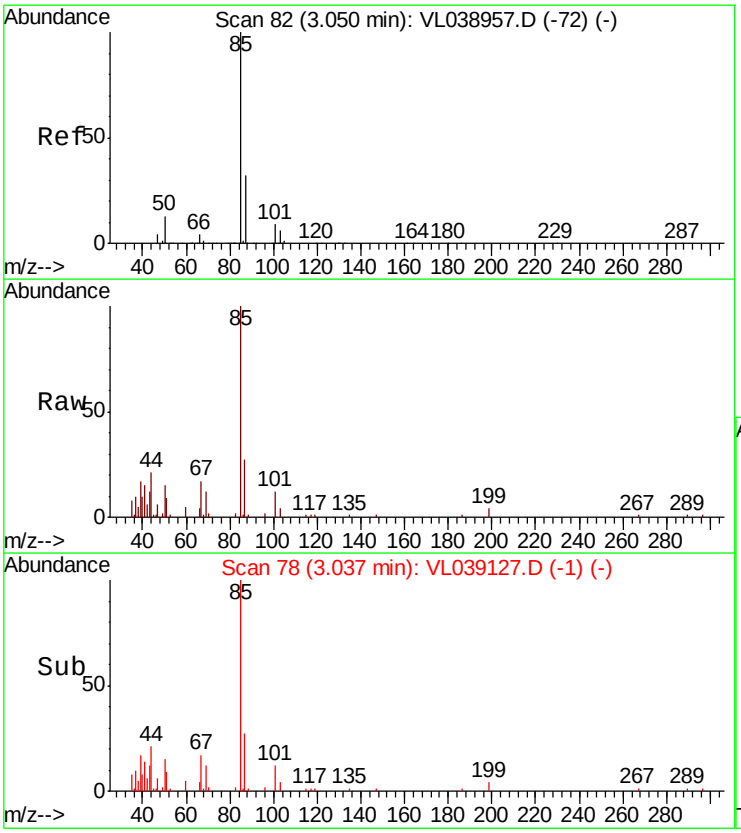
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 49 Resp: 1024602

Ion	Ratio	Lower	Upper
49	100		
128	45.5	23.3	69.8
130	58.7	29.8	89.3

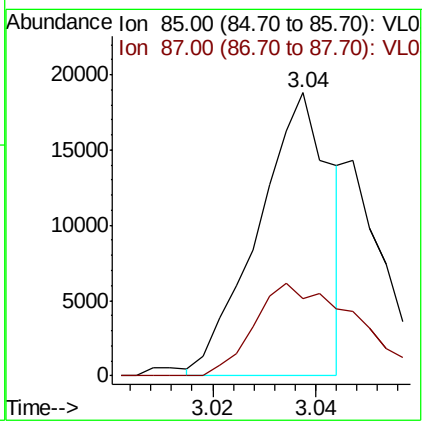


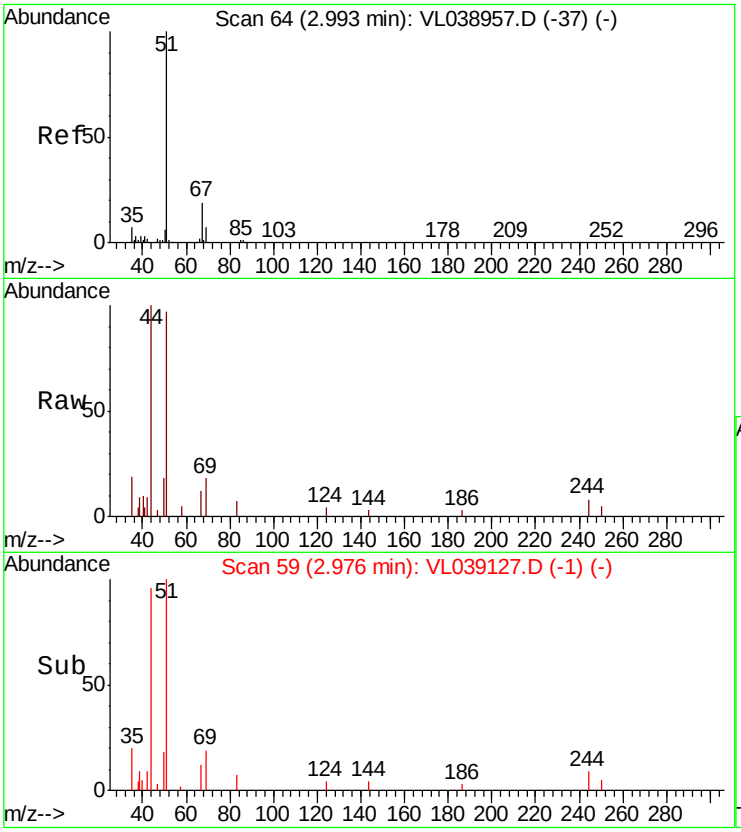


#2
Dichlorodifluoromethane
Concen: 0.115 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 85 Resp: 18440

Ion	Ratio	Lower	Upper
85	100		
87	28.1	25.7	38.5



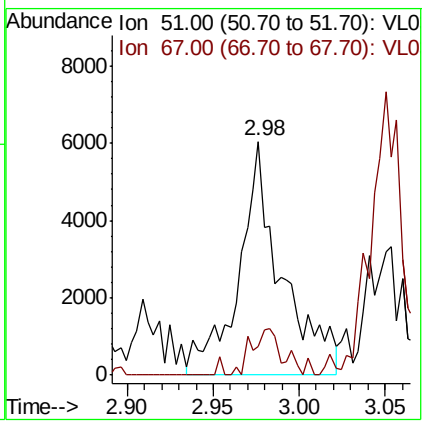


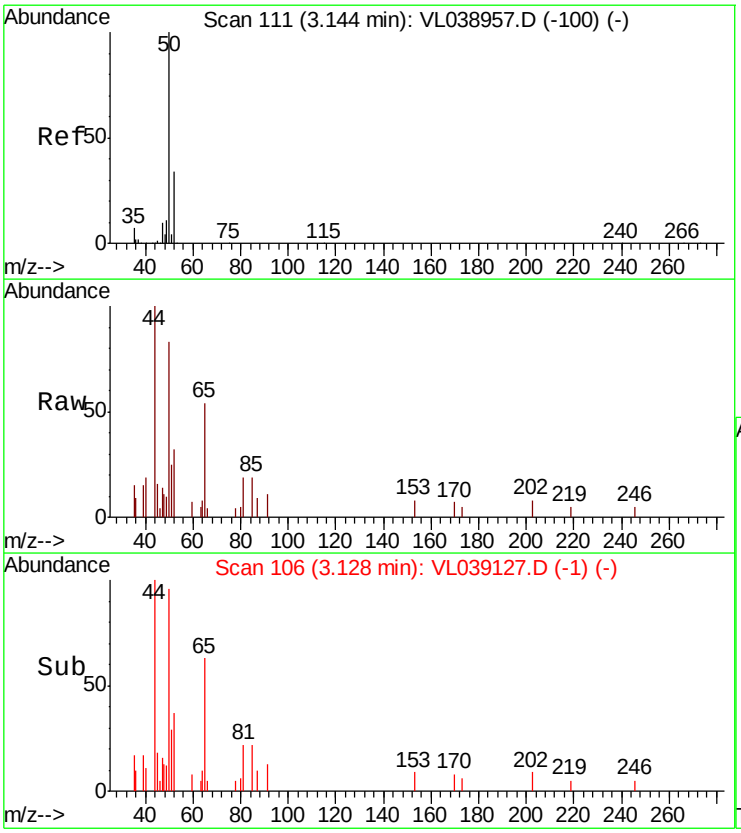
#3
Chlorodifluoromethane
Concen: 0.082 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 51 Resp: 10436

Ion	Ratio	Lower	Upper
51	100		
67	14.8	15.8	23.8#

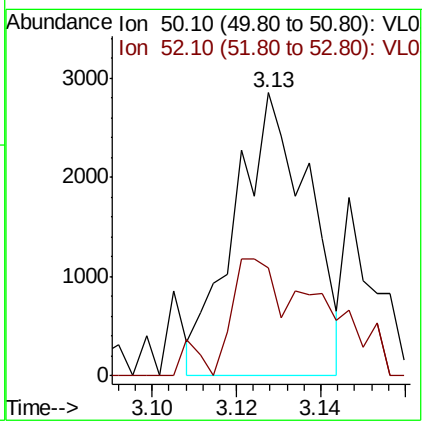


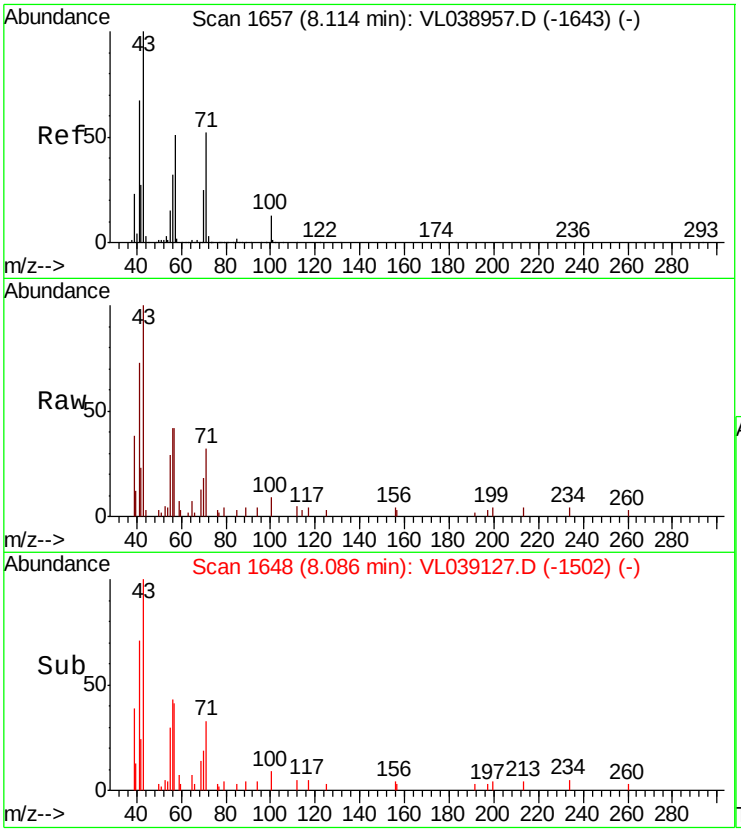


#4
Chloromethane
Concen: 0.054 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 50 Resp: 3457

Ion	Ratio	Lower	Upper
50	100		
52	28.7	27.3	40.9



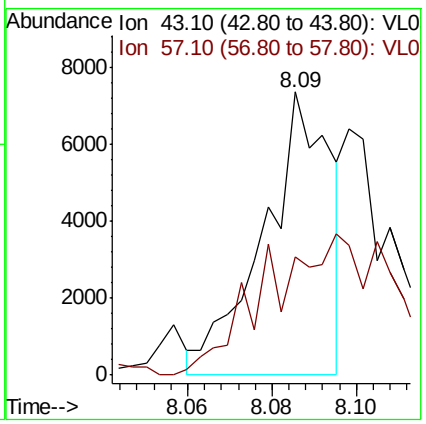


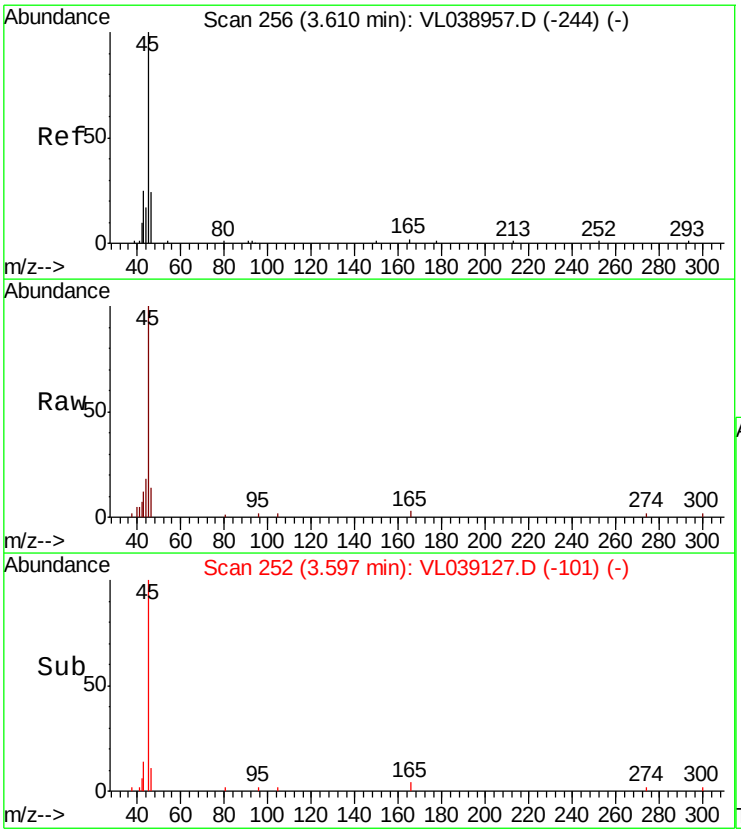
#10
Heptane
Concen: 0.059 ppbv
RT: 8.09
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 43 Resp: 8068

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.5	60.7#

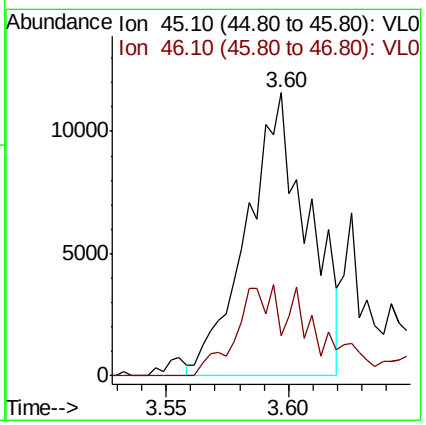


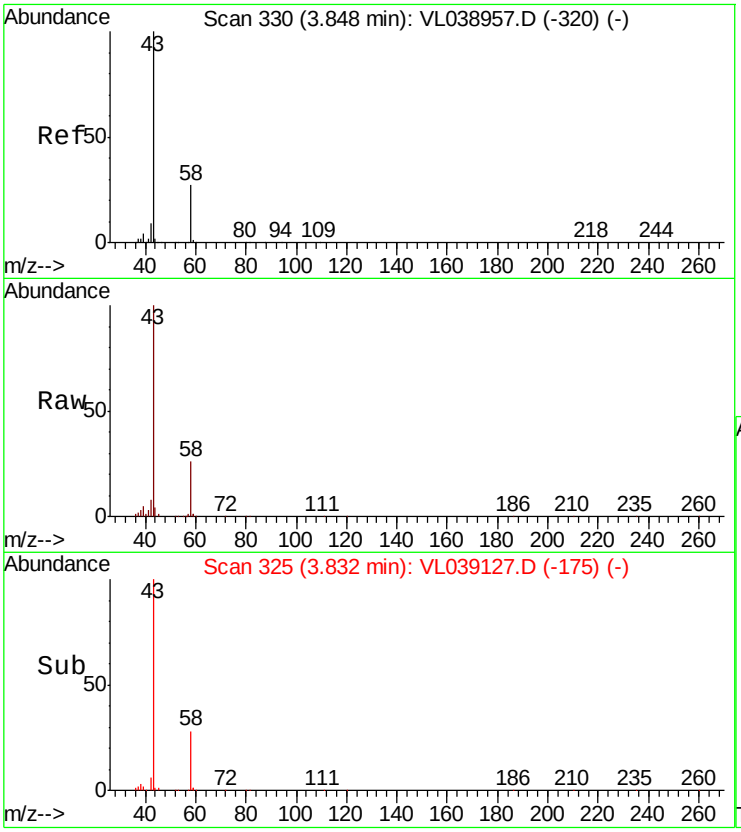


#13
Ethanol
Concen: 5.129 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 45 Resp: 20154

Ion	Ratio	Lower	Upper
45	100		
46	43.8	18.0	72.2



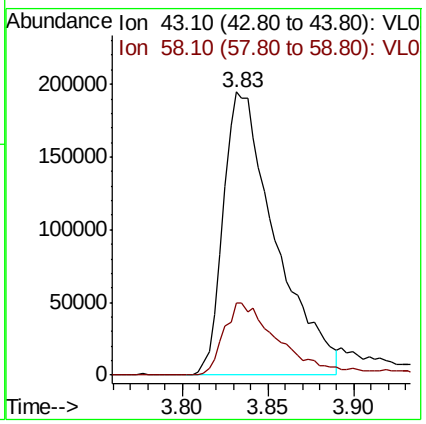


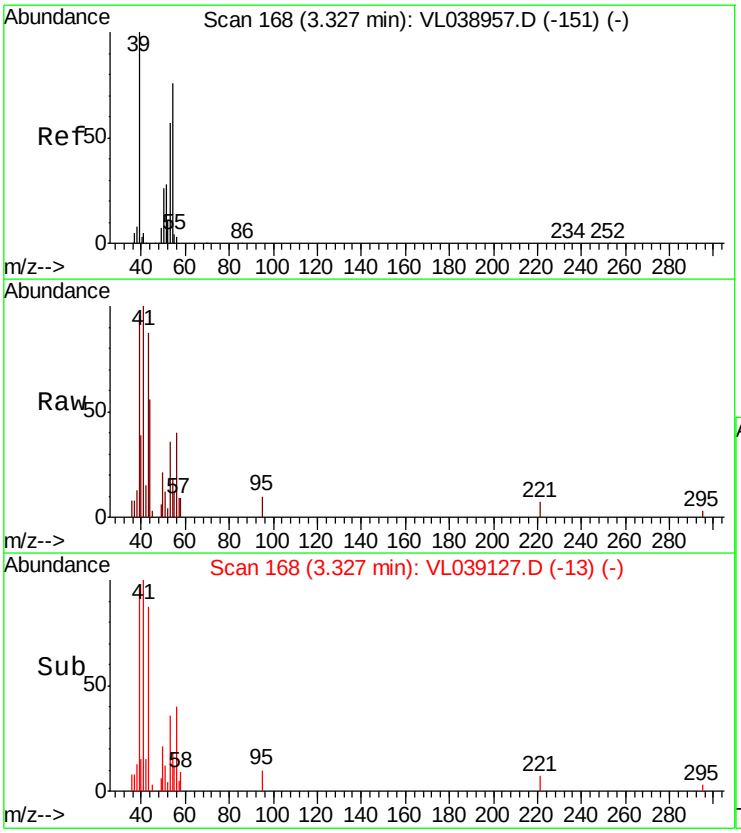
#15
Acetone
Concen: 4.256 ppbv
RT: 3.83
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 43 Resp: 411303

Ion	Ratio	Lower	Upper
43	100		
58	28.9	21.3	31.9

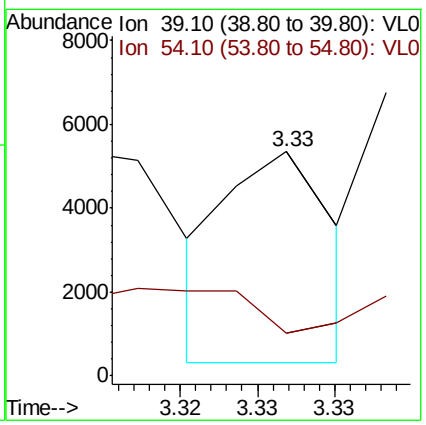


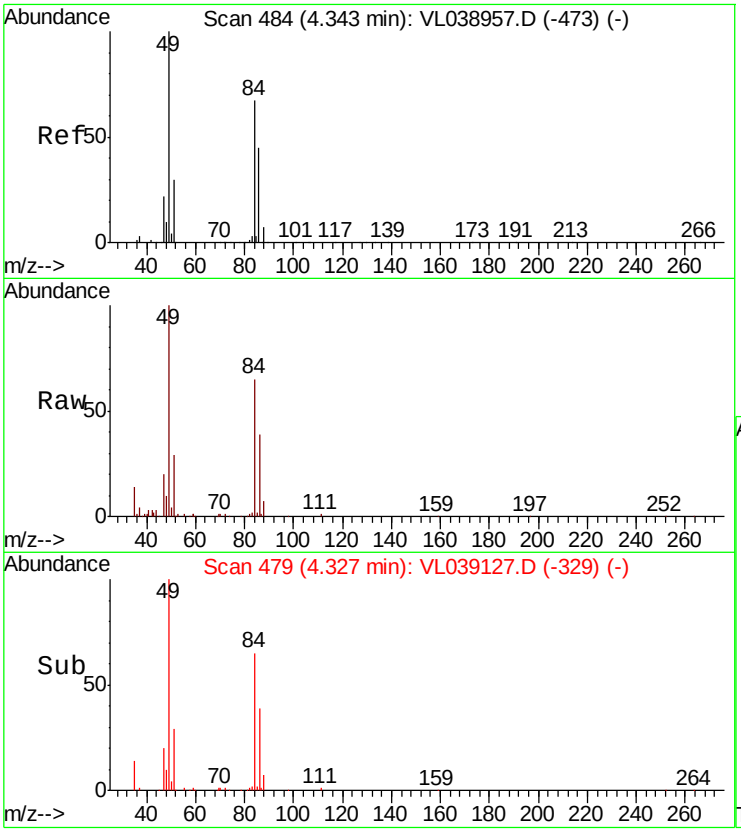


#16
1,3-Butadiene
Concen: 0.043 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 39 Resp: 2406

Ion	Ratio	Lower	Upper
39	100		
54	194.3	65.2	97.8#



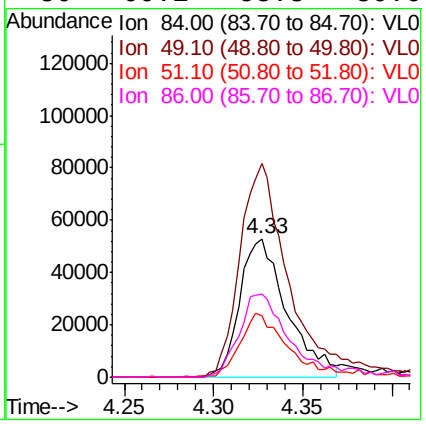


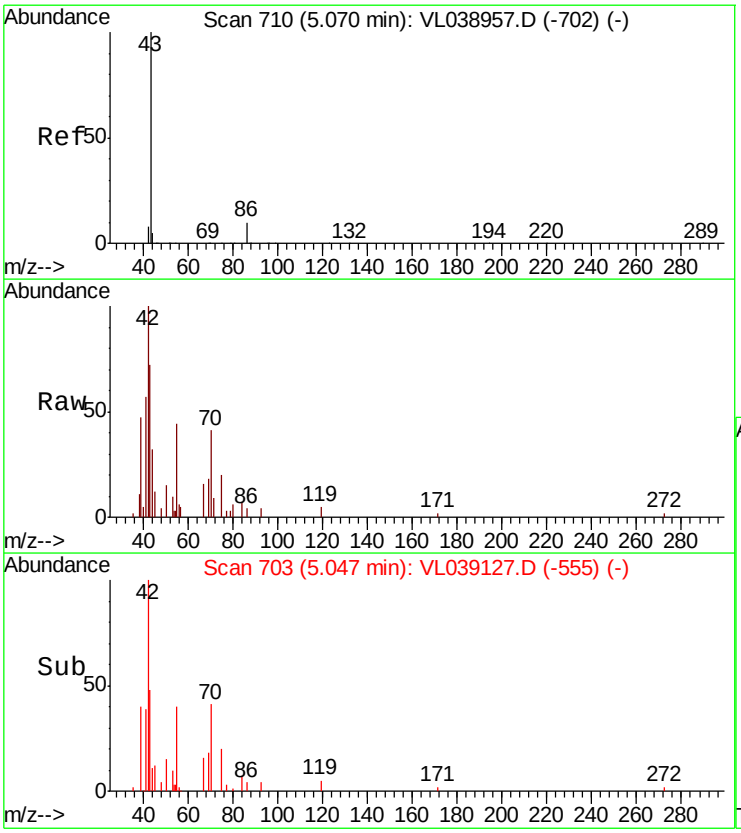
#20
Methylene Chloride
Concen: 2.678 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 84 Resp: 97565

Ion	Ratio	Lower	Upper
84	100		
49	154.0	119.9	179.9
51	43.4	35.7	53.5
86	60.1	53.8	80.6

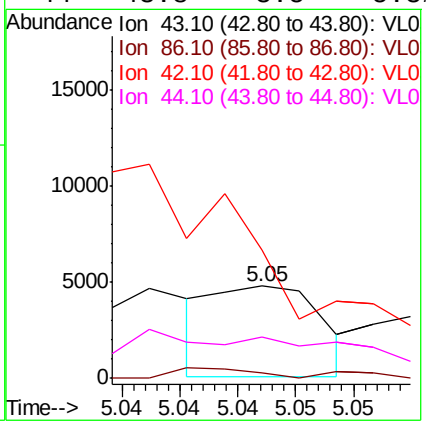


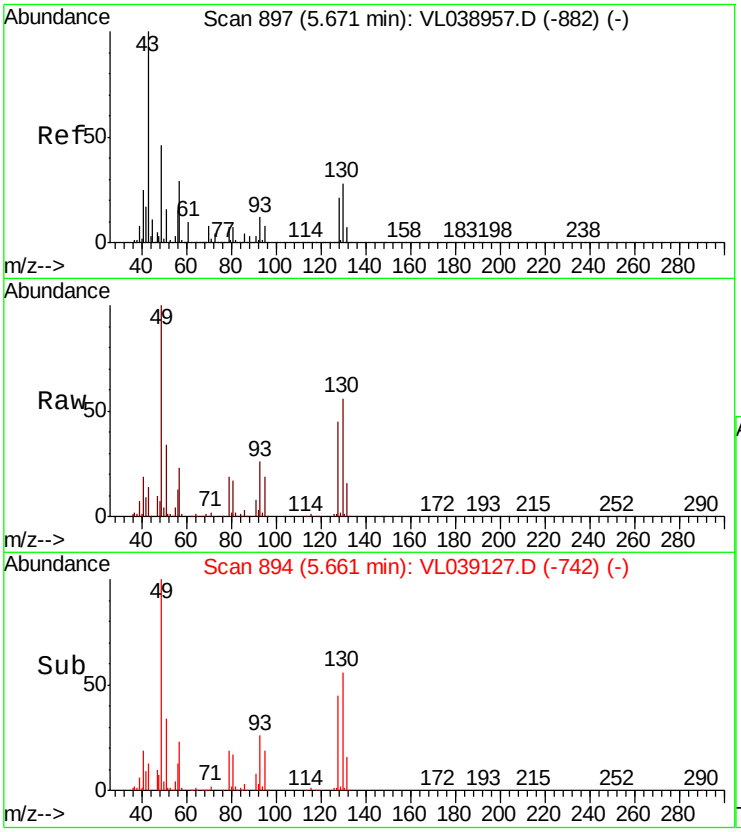


#23
Vinyl Acetate
Concen: 0.040 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.02 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 43 Resp: 3049

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	9.8#
42	108.4	8.1	12.1#
44	43.8	3.5	5.3#



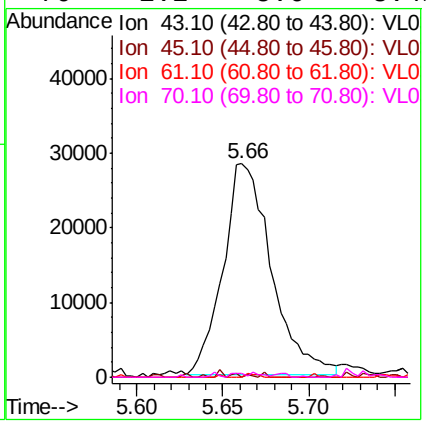


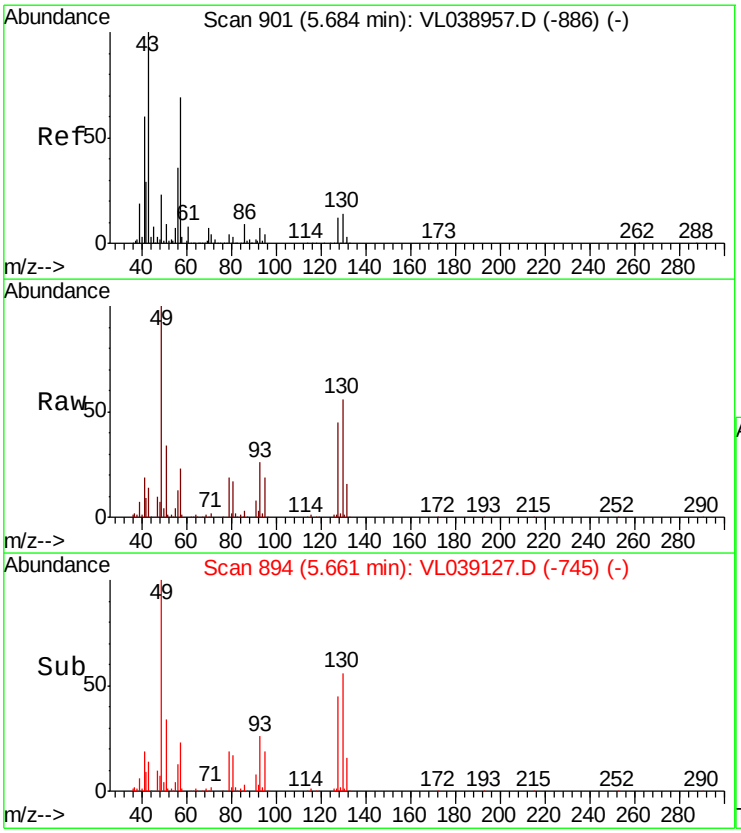
#25
Ethyl Acetate
Concen: 0.240 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument : MSVOA_L
ClientSampleId : VP-1DL

Tgt Ion: 43 Resp: 55592

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.1	12.1#
61	0.4	7.8	11.6#
70	2.2	5.6	8.4#

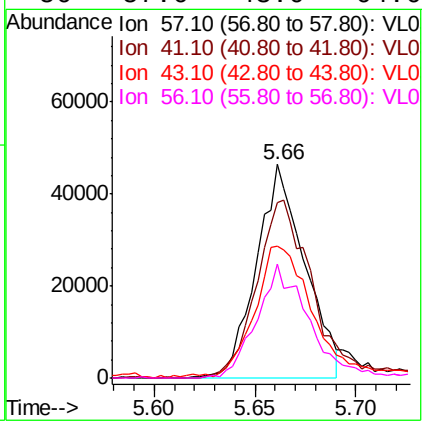


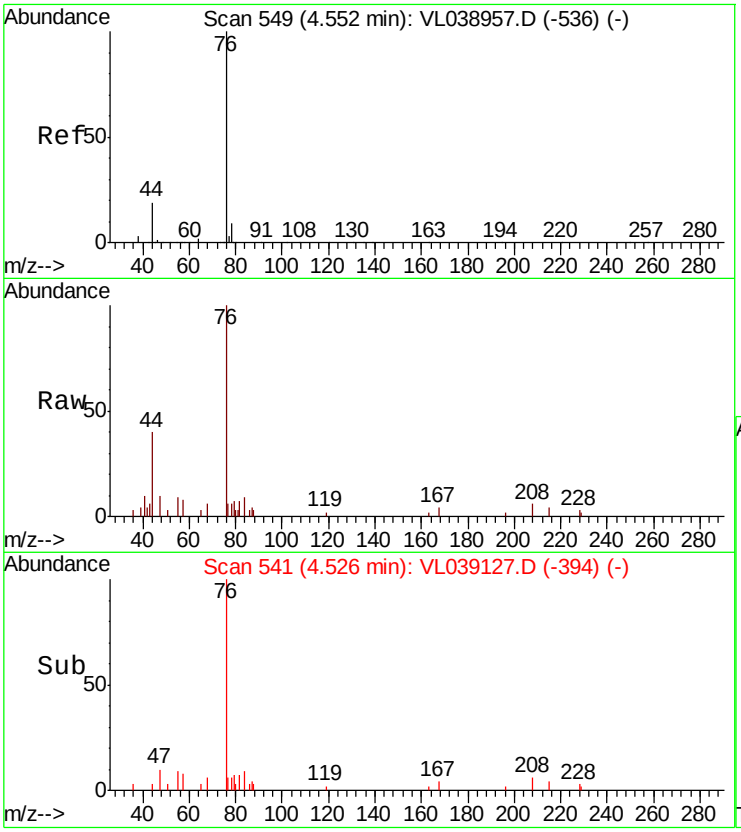


#26
Hexane
Concen: 0.752 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 57 Resp: 77246

Ion	Ratio	Lower	Upper
57	100		
41	98.6	75.2	112.8
43	77.5	190.8	286.2#
56	57.6	43.0	64.6



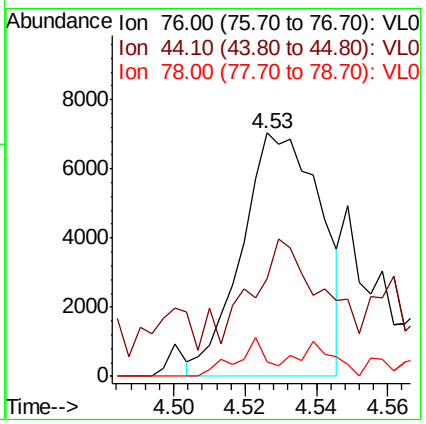


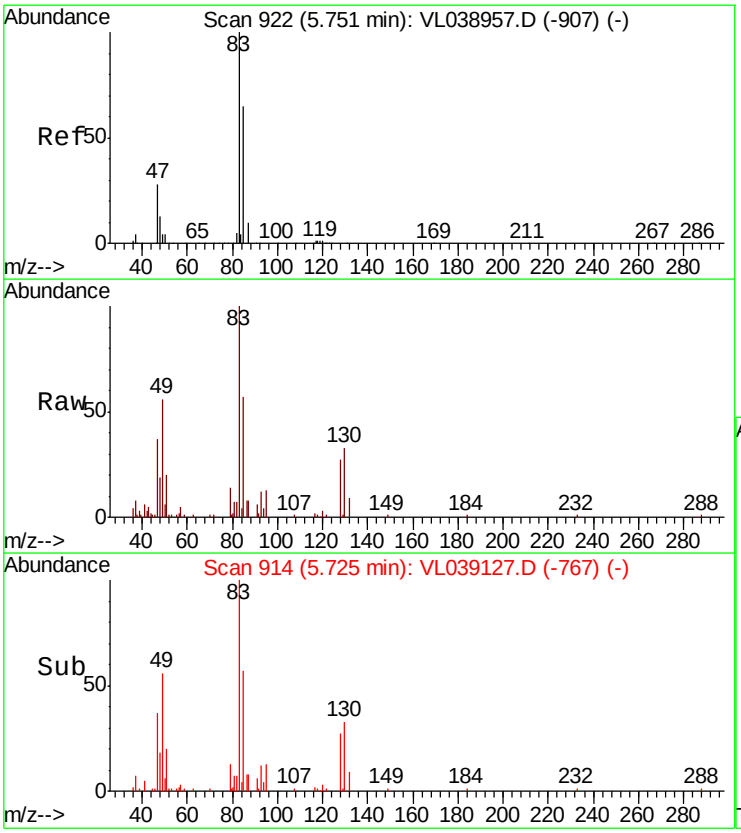
#27
Carbon Disulfide
Concen: 0.111 ppbv
RT: 4.53
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 76 Resp: 10822

Ion	Ratio	Lower	Upper
76	100		
44	60.1	15.3	22.9#
78	21.2	8.2	12.2#

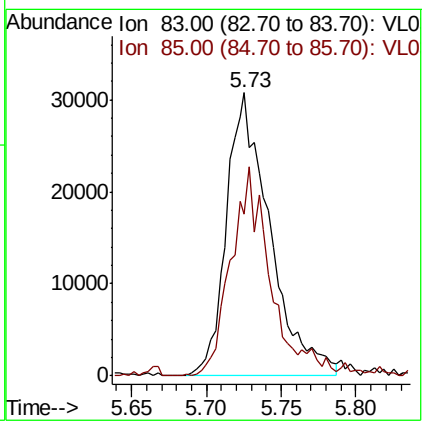


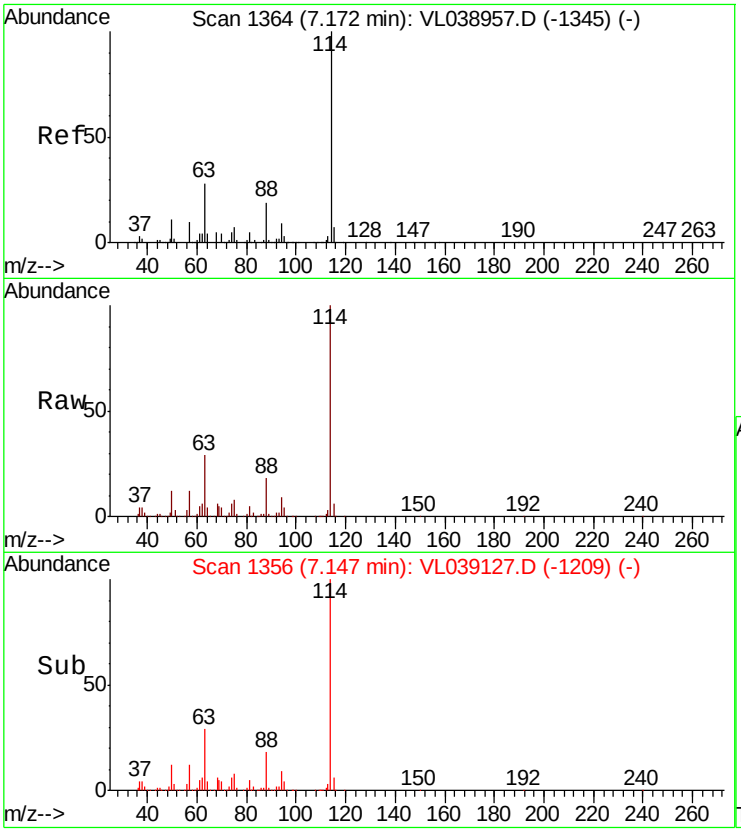


#29
Chloroform
Concen: 0.374 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 83 Resp: 62166

Ion	Ratio	Lower	Upper
83	100		
85	56.9	51.8	77.6



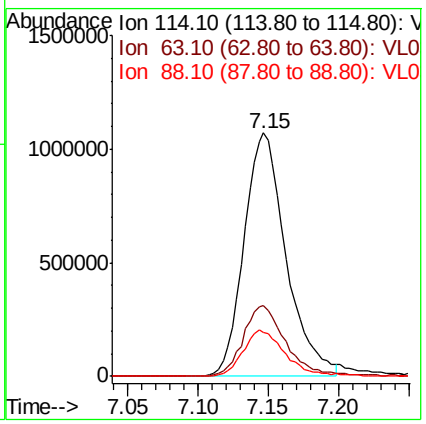


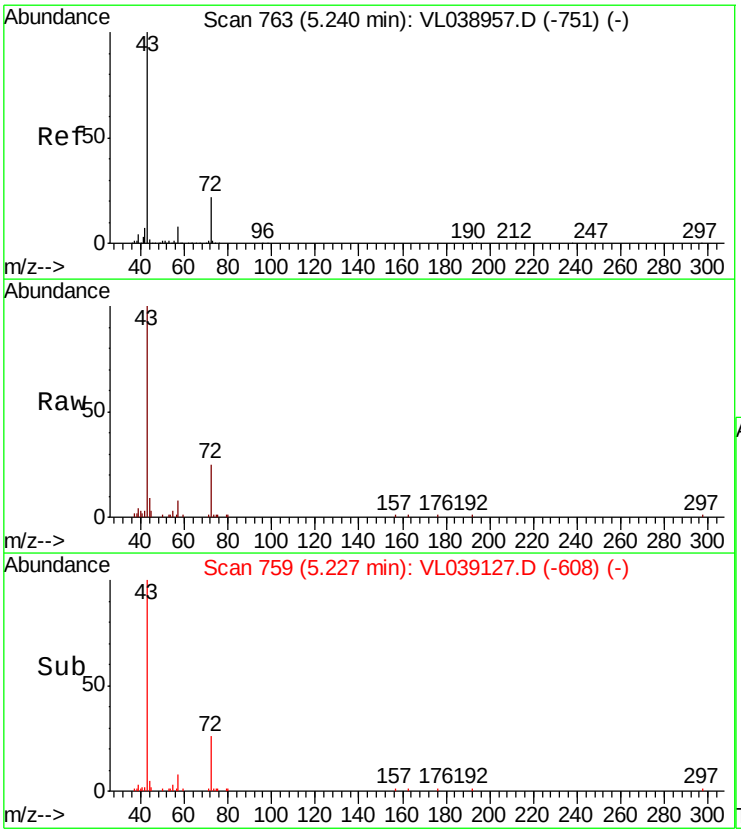
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:114 Resp: 2236873

Ion	Ratio	Lower	Upper
114	100		
63	30.1	22.6	33.8
88	19.7	15.4	23.0

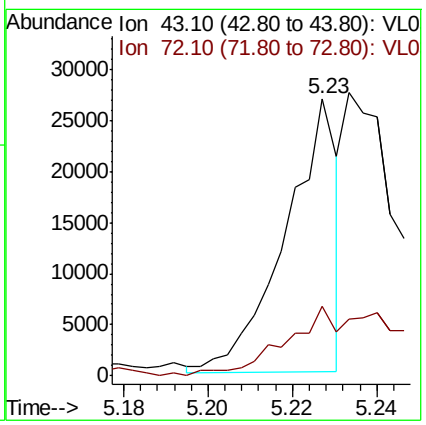


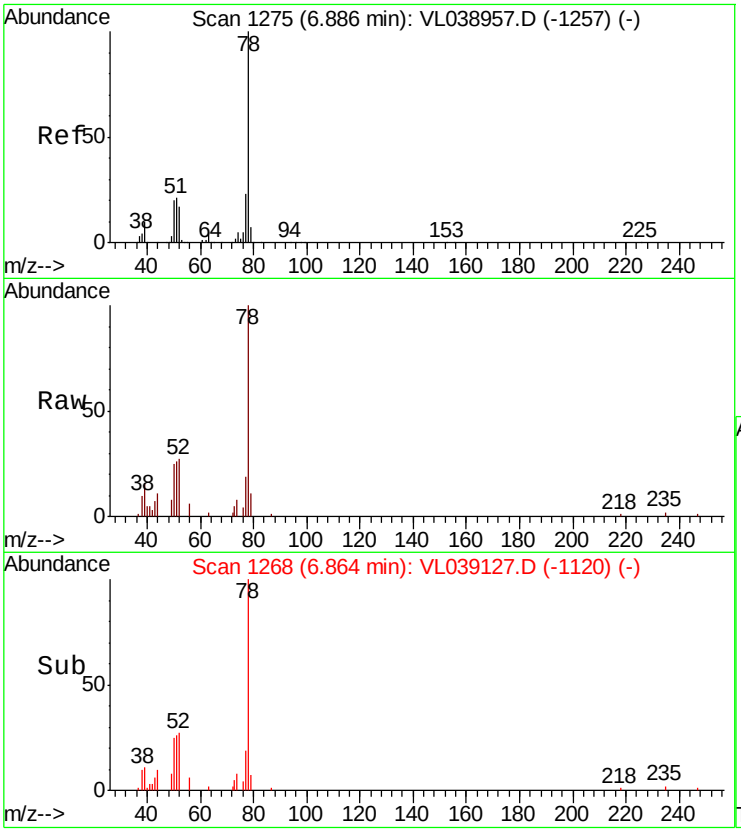


#34
2-Butanone
Concen: 0.200 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.01 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 43 Resp: 22856

Ion	Ratio	Lower	Upper
43	100		
72	66.4	17.8	26.6#



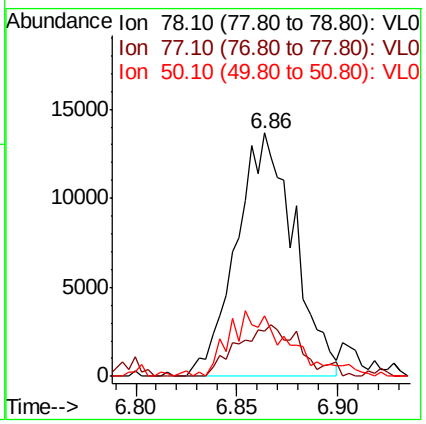


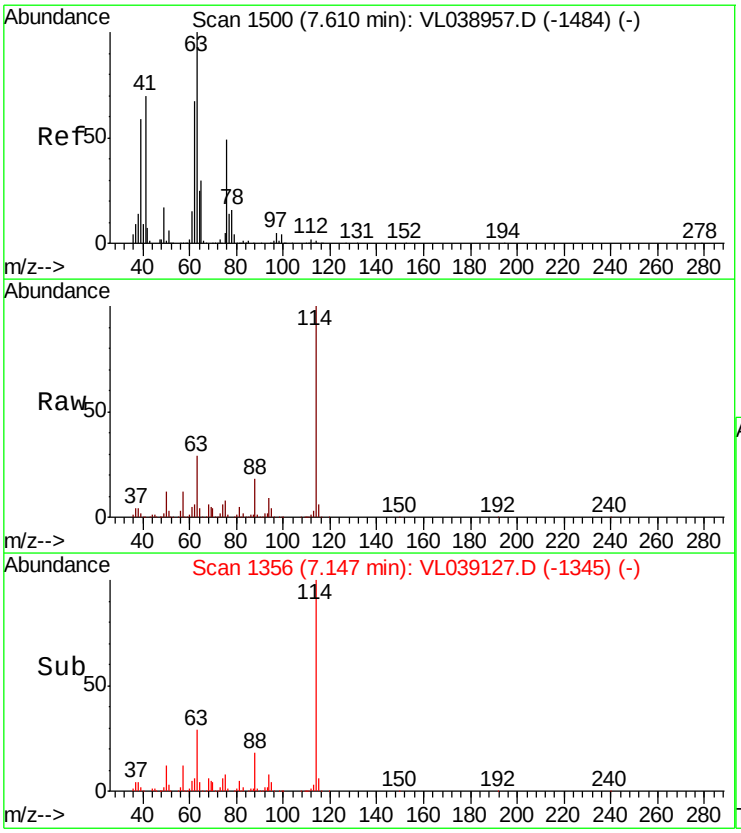
#36
Benzene
Concen: 0.143 ppbv
RT: 6.86
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 78 Resp: 27357

Ion	Ratio	Lower	Upper
78	100		
77	18.6	18.6	28.0#
50	22.2	15.6	23.4

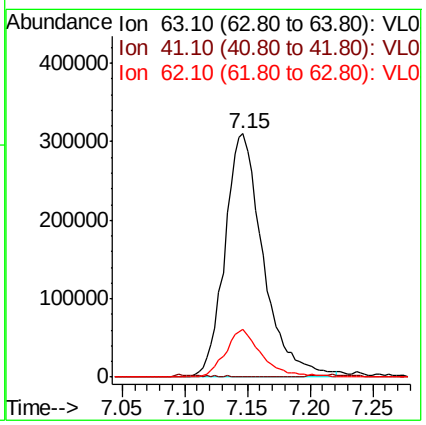


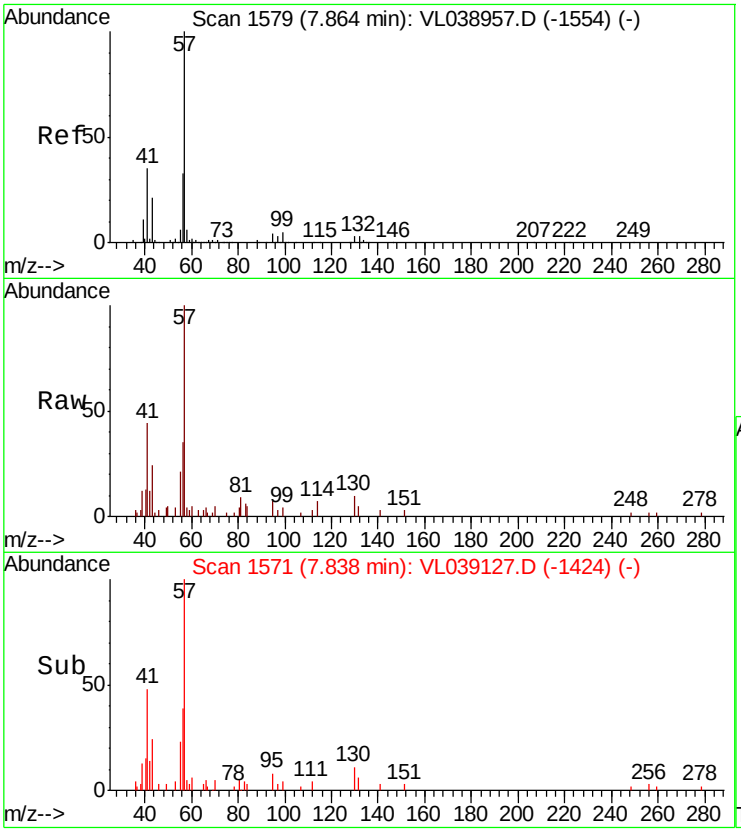


#39
1,2-Dichloropropane
Concen: 8.800 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.46 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 63 Resp: 655429

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	19.6	53.8	80.6#



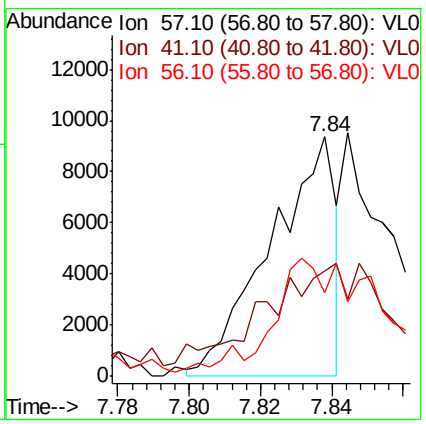


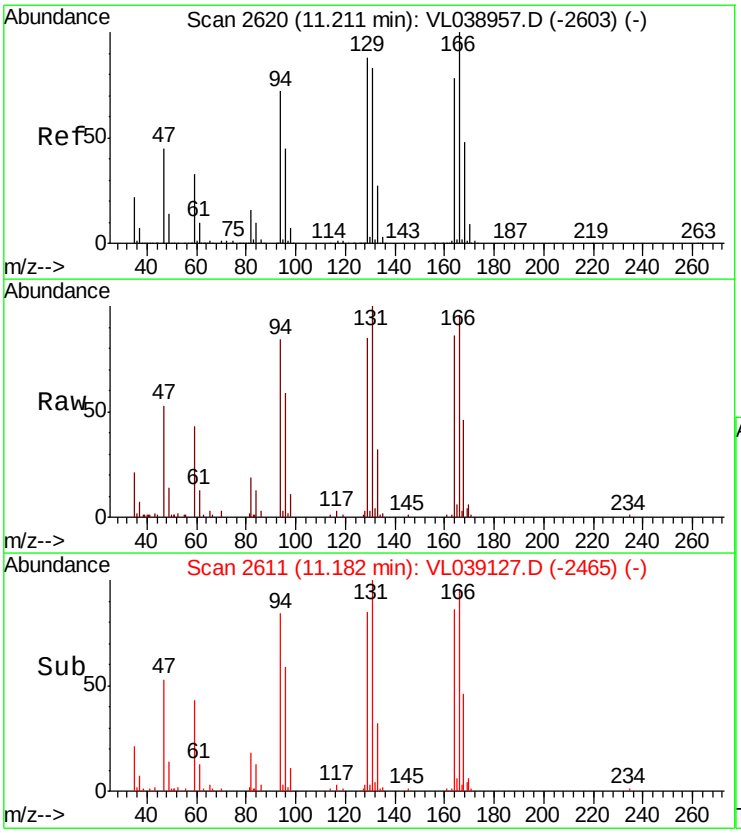
#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 57 Resp: 11818

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.3	39.5#
56	87.4	24.6	37.0#

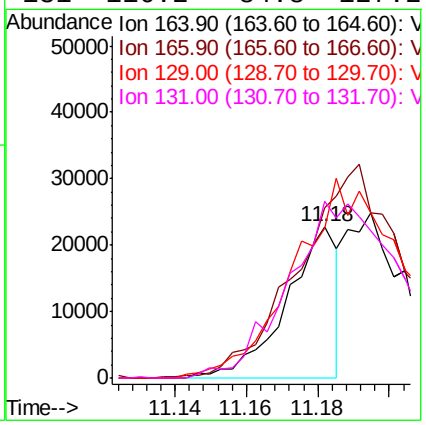


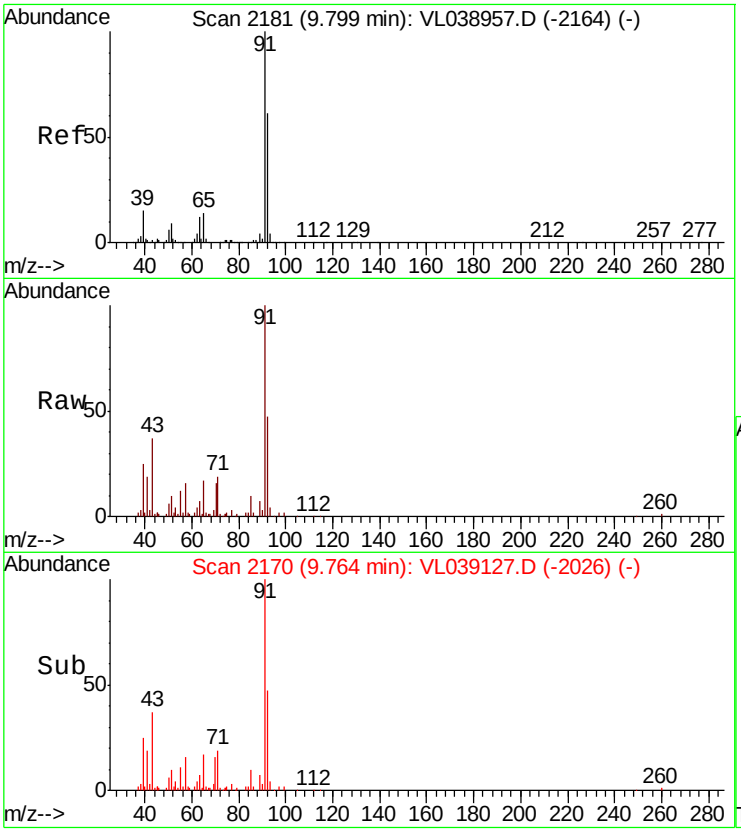


#52
Tetrachloroethene
Concen: 0.330 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.03 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion:164 Resp: 22582

Ion	Ratio	Lower	Upper
164	100		
166	110.2	102.5	153.7
129	99.0	90.1	135.1
131	116.2	84.8	127.2



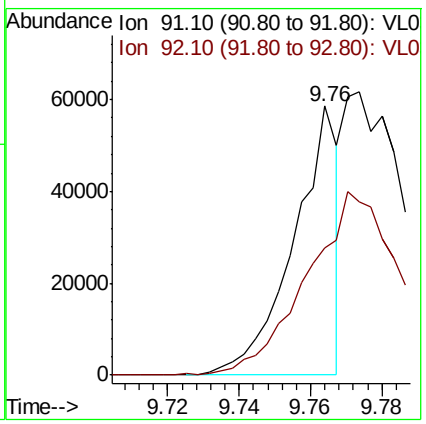


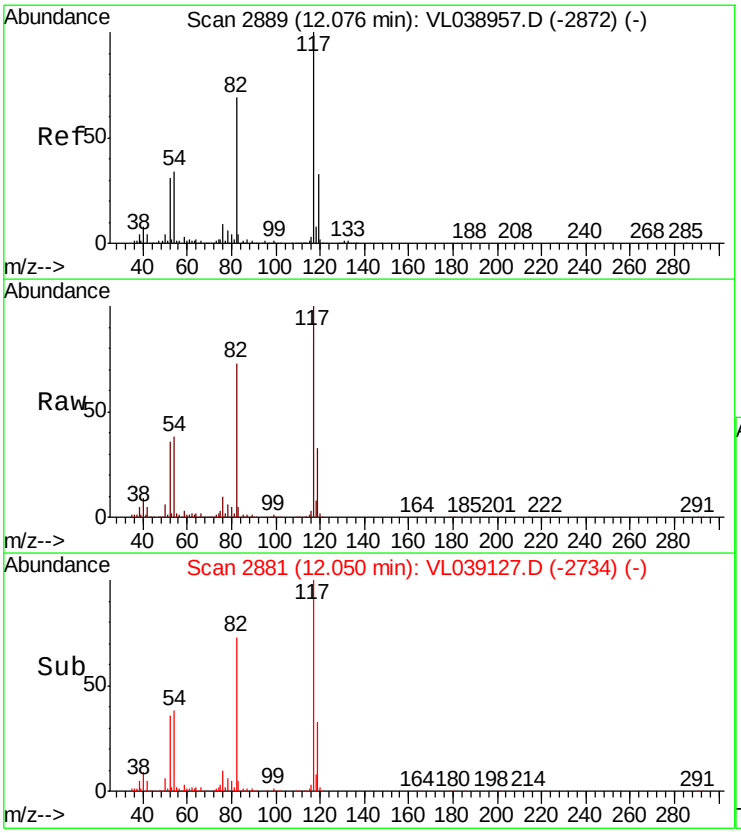
#53
Toluene
Concen: 0.235 ppbv
RT: 9.76
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 50433

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#

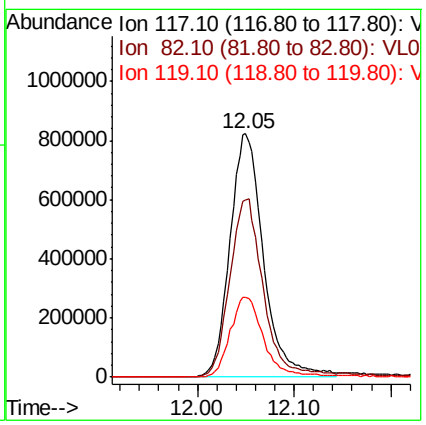


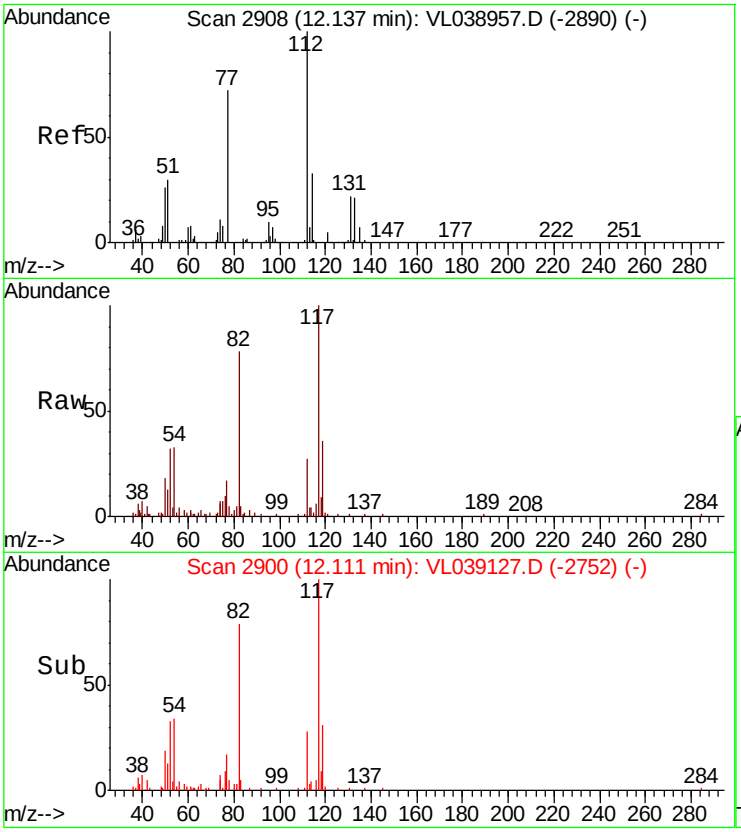


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.03 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion:117 Resp: 1988476

Ion	Ratio	Lower	Upper
117	100		
82	74.8	57.0	85.6
119	33.4	27.2	40.8



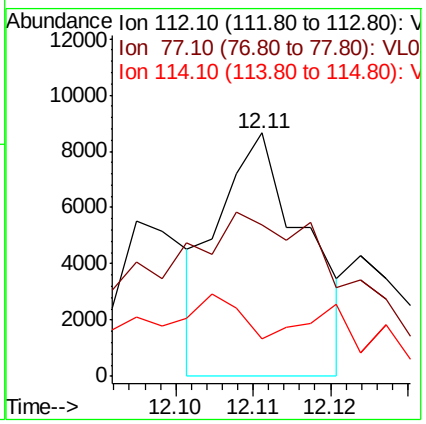


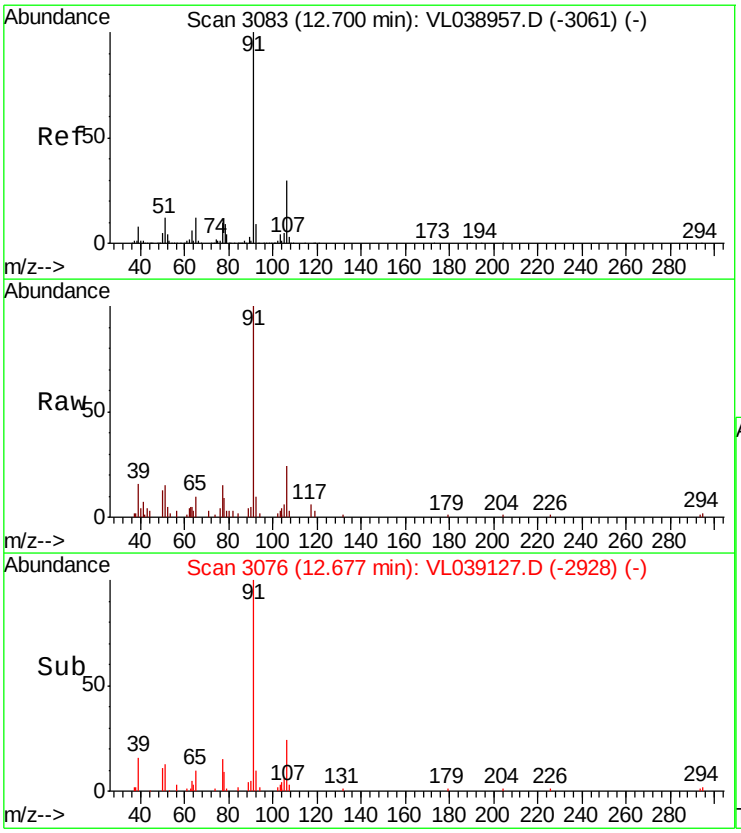
#57
Chlorobenzene
Concen: 0.045 ppbv
RT: 12.11
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:112 Resp: 6713

Ion	Ratio	Lower	Upper
112	100		
77	47.4	57.7	86.5#
114	0.0	30.1	36.7#

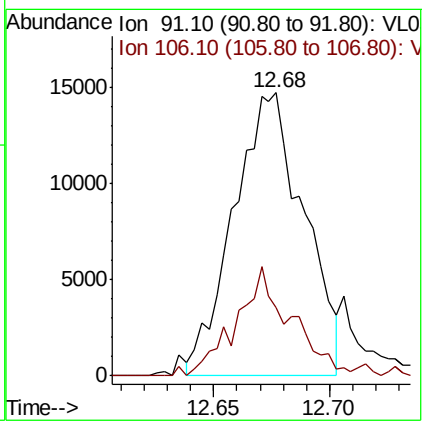


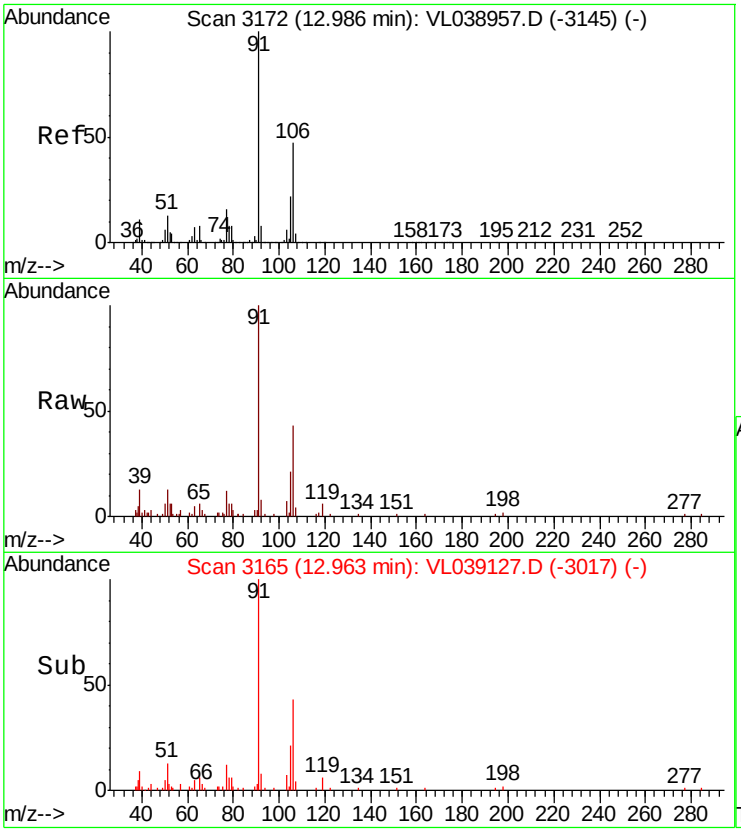


#58
Ethyl Benzene
Concen: 0.109 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.02 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 91 Resp: 31158

Ion	Ratio	Lower	Upper
91	100		
106	25.2	24.2	36.4



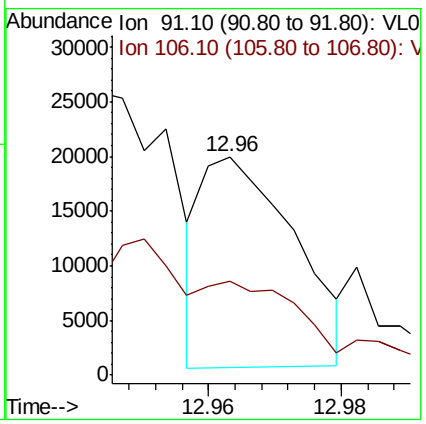


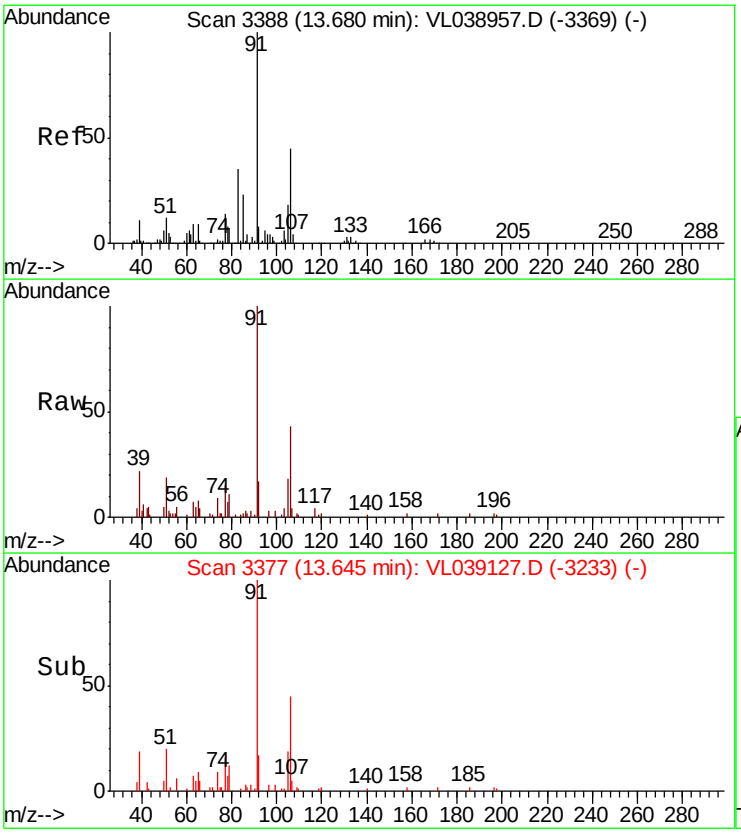
#59
m/p-Xylene
Concen: 0.077 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 18699

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#

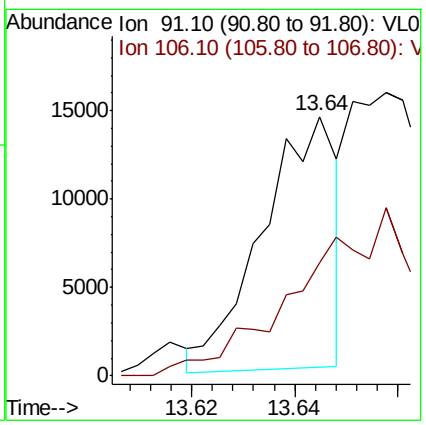


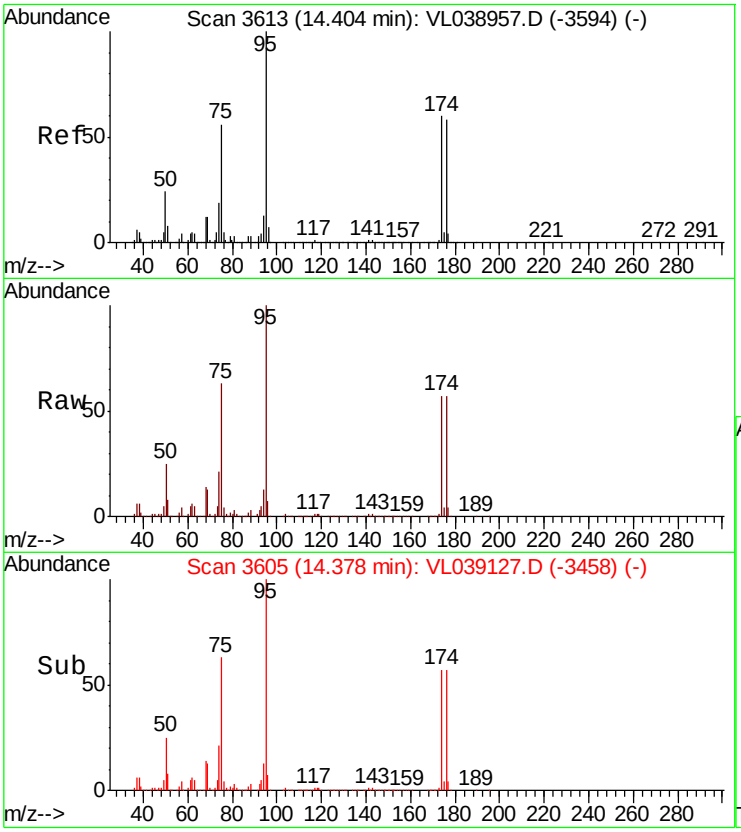


#60
o-Xylene
Concen: 0.062 ppbv
RT: 13.64 min Scan# 3377
Delta R.T. -0.04 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion: 91 Resp: 14231

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.2	66.6#



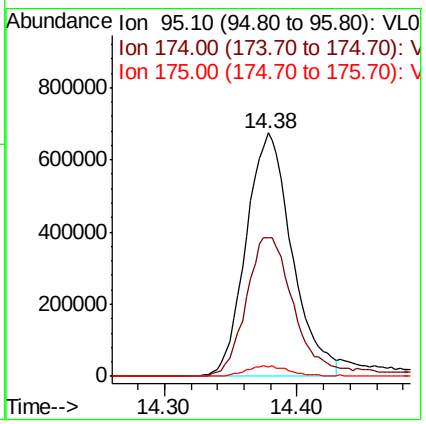


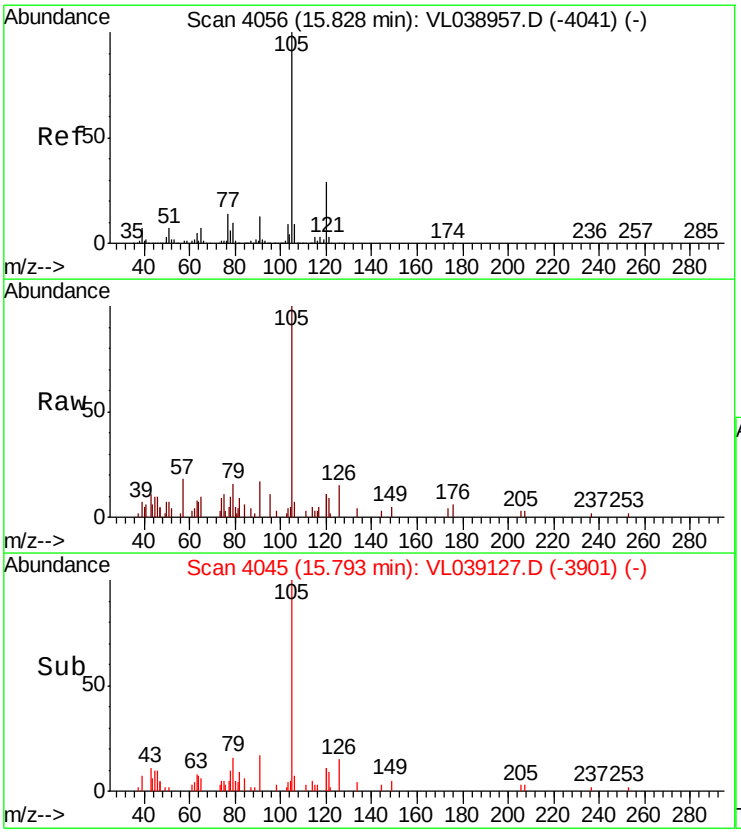
#68
1-Bromo-4-Fluorobenzene
Concen: 10.311 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 26 May 2022 9:25

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 95 Resp: 1623764

Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.8	76.2
175	4.6	3.8	5.6

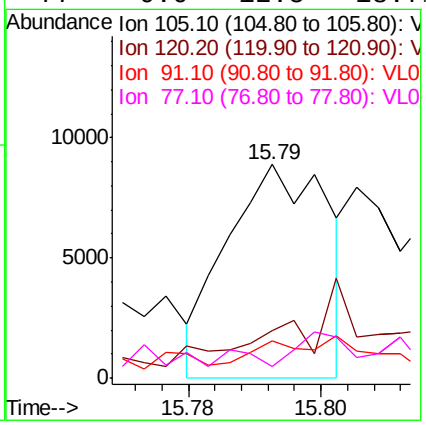


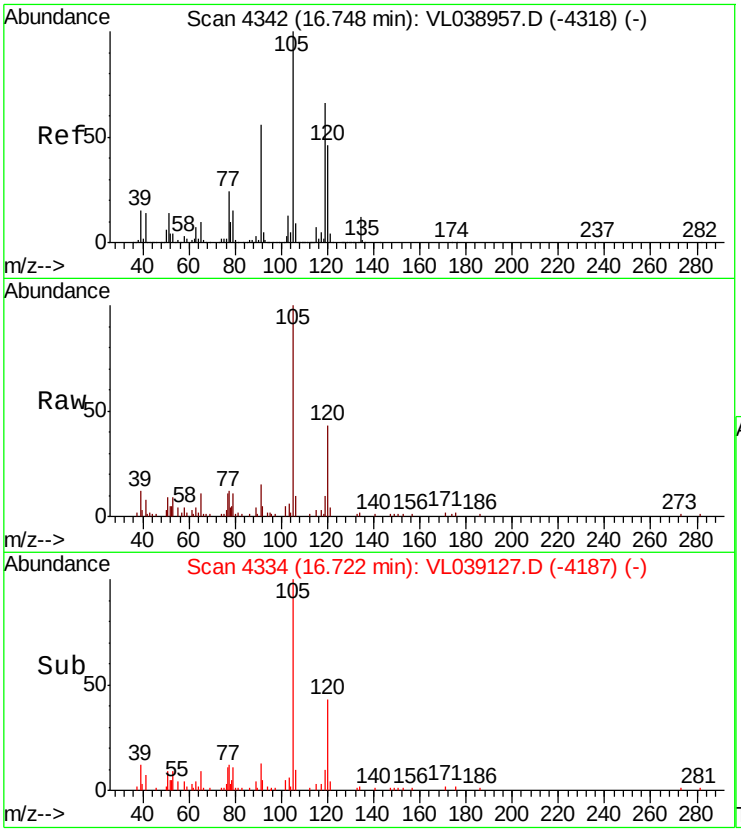


#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 15.79 min Scan# 4045
Delta R.T. -0.04 min
Lab File: VL039127.D
Acq: 26 May 2022 9:25

Tgt Ion:105 Resp: 9432

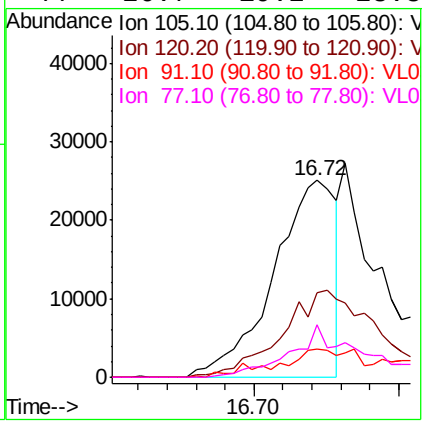
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	12.5	18.7#





#74
1,2,4-Trimethylbenzene
Concen: 0.145 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 26 May 2022 9:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:105 Resp: 37374

Ion	Ratio	Lower	Upper
105	100		
120	43.0	36.9	55.3
91	14.6	45.0	67.4#
77	26.7	19.2	28.8