Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032822\
Data File : VL038790.D
Acq On : 29 Mar 2022 3:38
Operator : SY/AP
Sample : N2136-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Mar 29 06:14:06 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	5.66	49	908620	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	2594473	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2318161	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1640329	9.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	77210	0.632	ppbv		96
3) Chlorodifluoromethane	2.99	51	77063	0.803	ppbv	#	83
4) Chloromethane	3.14	50	31763	0.603	ppbv		98
9) Propene	3.02	41	52116	1.125	ppbv	#	82
10) Heptane	8.12	43	3810	0.034	ppbv	#	26
11) Trichlorofluoromethane	3.95	101	10846	0.101	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	3559	0.043	ppbv	#	10
13) Ethanol	3.60	45	148693	29.094	ppbv		97
15) Acetone	3.85	43	360774	4.602	ppbv		97
16) 1,3-Butadiene	3.33	39	1602	0.036	ppbv	#	1
17) tert-Butyl alcohol	4.32	59	2442	0.036	ppbv	#	73
19) Isopropyl Alcohol	3.97	45	84720	1.949	ppbv	#	1
20) Methylene Chloride	4.35	84	12339	0.374	ppbv	#	94
23) Vinyl Acetate	5.06	43	36221	0.477	ppbv	#	70
25) Ethyl Acetate	5.68	43	45516	0.231	ppbv	#	96
26) Hexane	5.69	57	37796	0.428	ppbv	#	61
34) 2-Butanone	5.25	43	72435	0.705	ppbv	#	87
35) Carbon Tetrachloride	7.01	117	6030	0.040	ppbv	#	63
36) Benzene	6.88	78	60592	0.303	ppbv		98
39) 1,2-Dichloropropane	7.17	63	563827	7.203	ppbv	#	28
44) 2,2,4-Trimethylpentane	7.86	57	30154	0.090	ppbv	#	76
52) Tetrachloroethene	11.21	164	8057	0.110	ppbv	#	80
53) Toluene	9.79	91	154848	0.720	ppbv		99
59) m/p-Xylene	12.99	91	7905	0.033	ppbv	#	30
74) 1,2,4-Trimethylbenzene	16.75	105	14589	0.055	ppbv	#	70

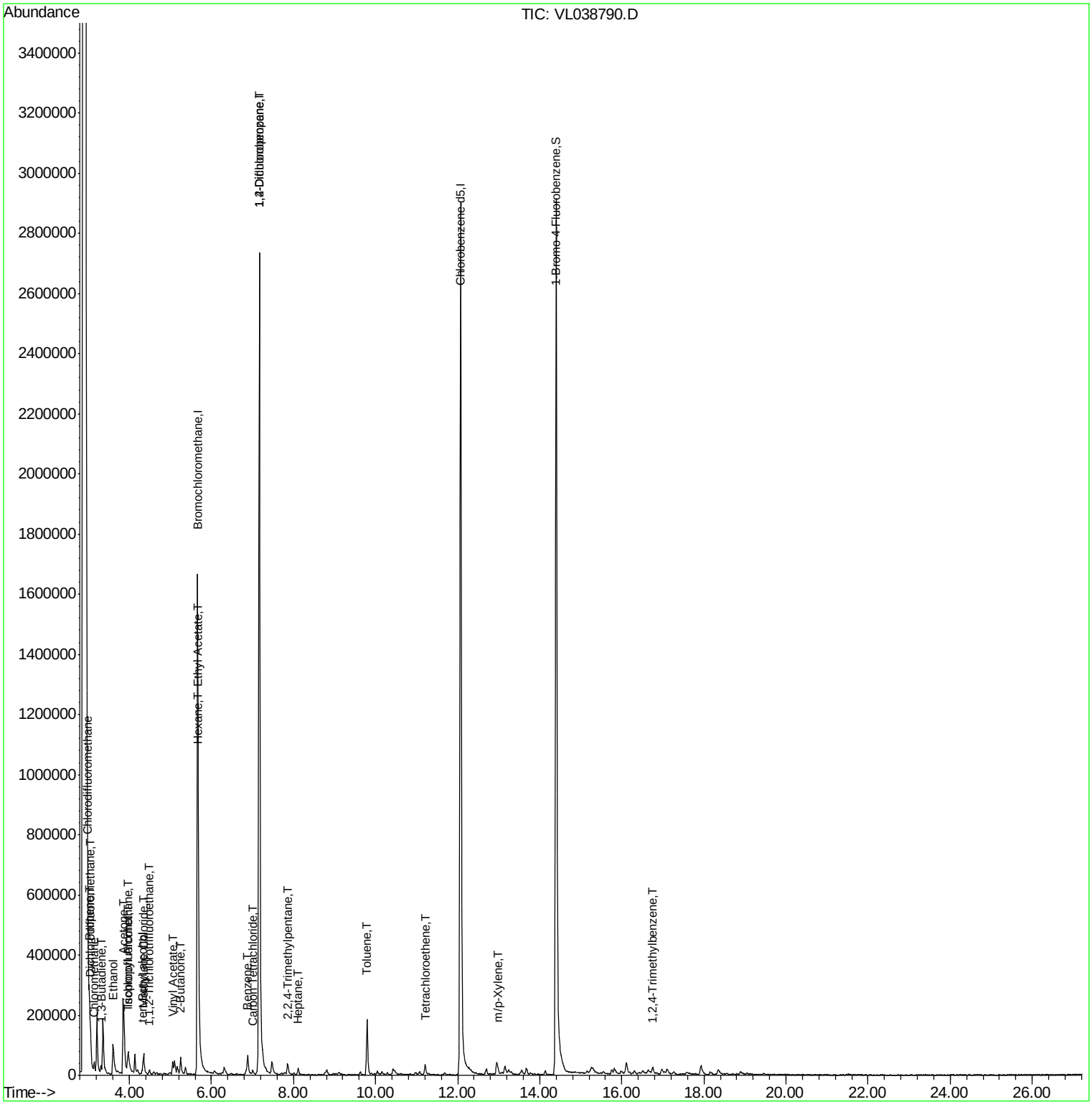
(#) = qualifier out of range (m) = manual integration (+) = signals summed

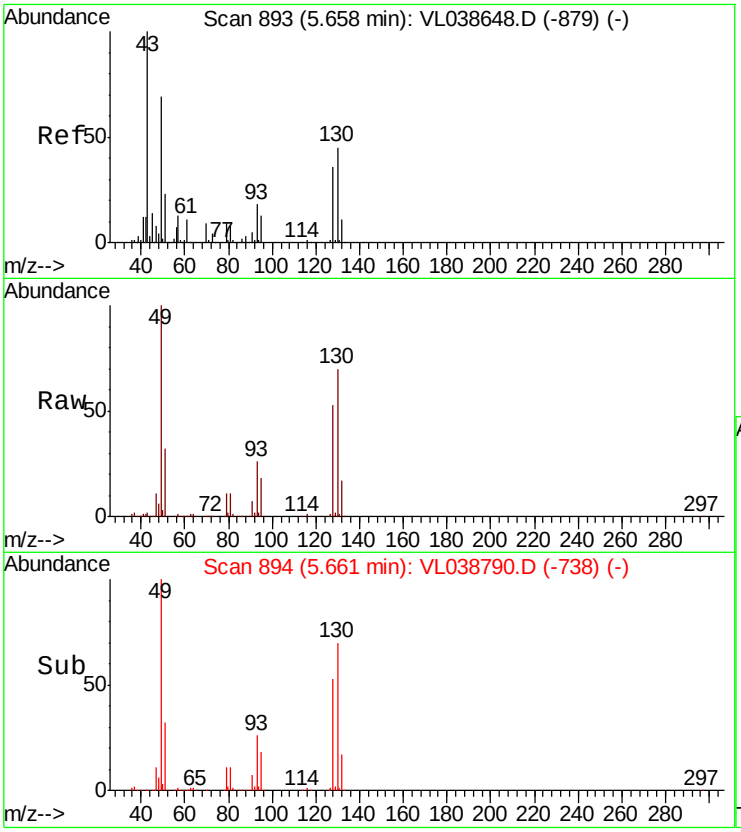
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032822\
Data File : VL038790.D
Acq On : 29 Mar 2022 3:38
Operator : SY/AP
Sample : N2136-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 29 06:14:06 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



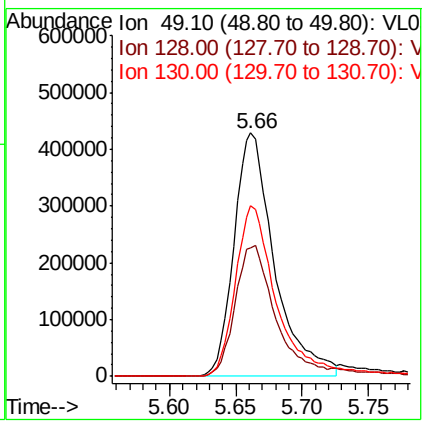


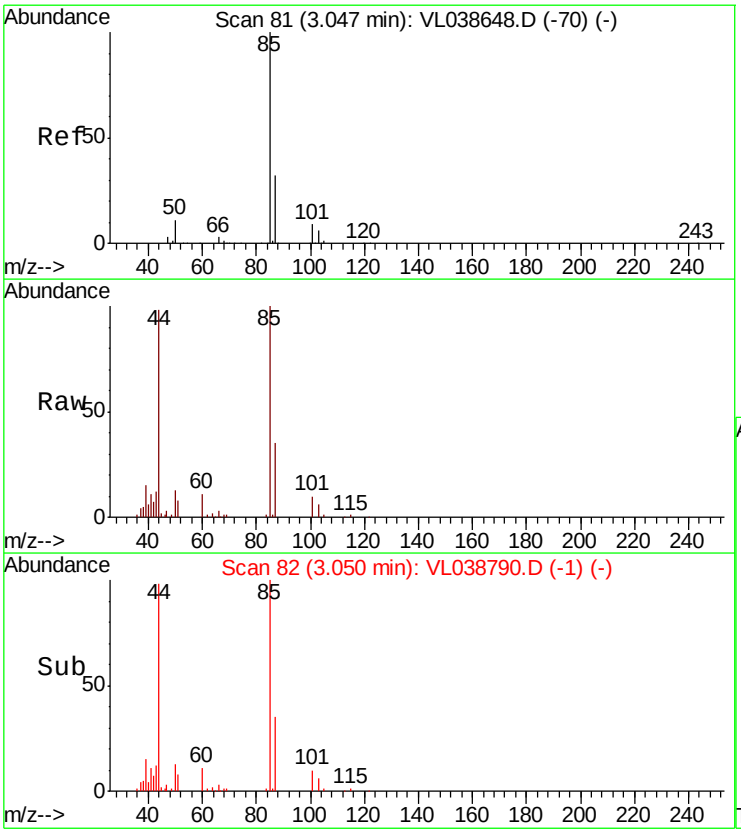
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 908620

Ion	Ratio	Lower	Upper
49	100		
128	58.2	26.2	78.6
130	75.3	33.7	101.1

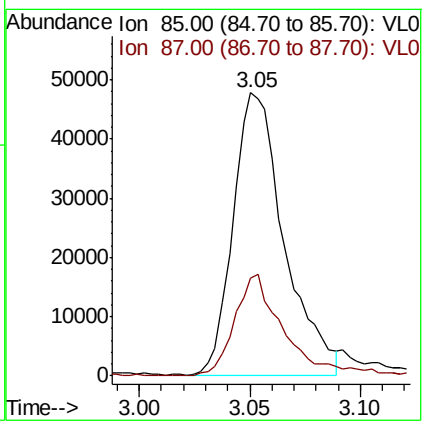


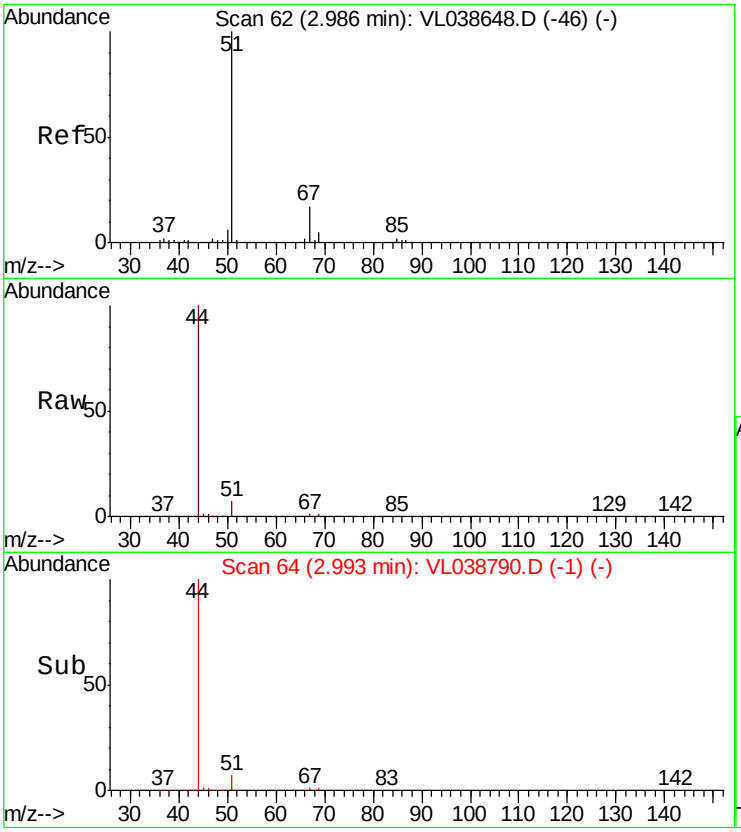


#2
Dichlorodifluoromethane
Concen: 0.632 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 85 Resp: 77210

Ion	Ratio	Lower	Upper
85	100		
87	34.6	26.0	39.0



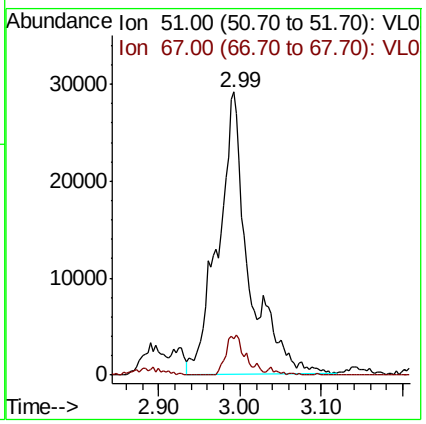


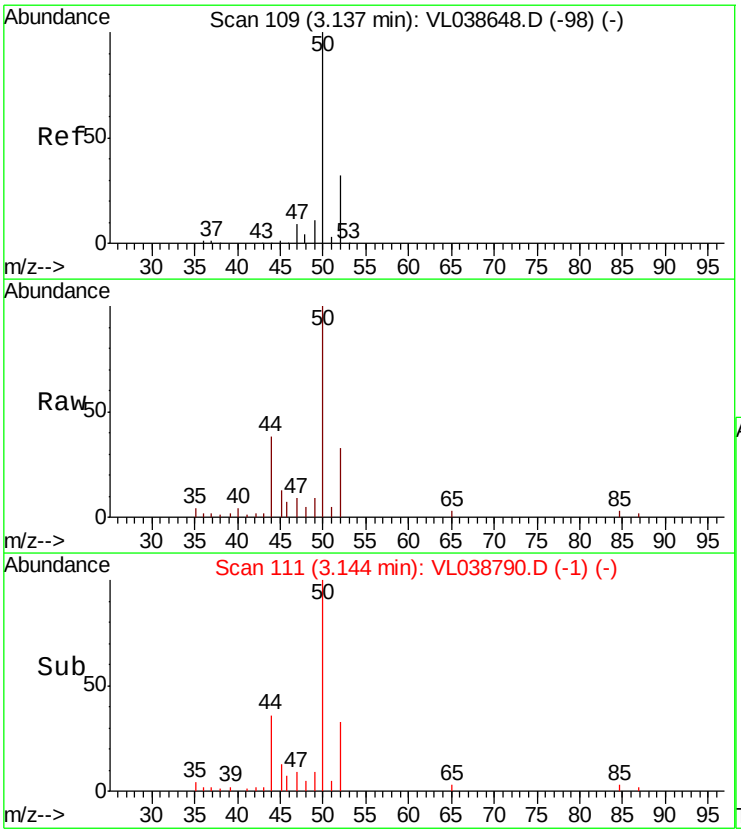
#3
Chlorodifluoromethane
Concen: 0.803 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 77063

Ion	Ratio	Lower	Upper
51	100		
67	10.1	14.1	21.1#

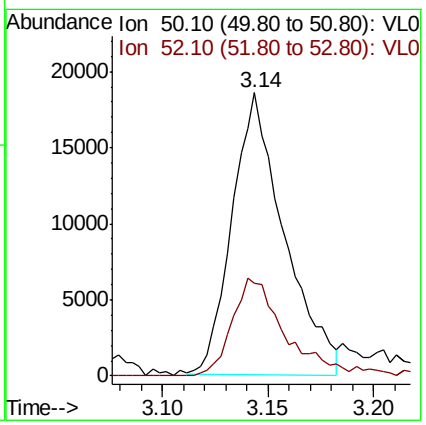


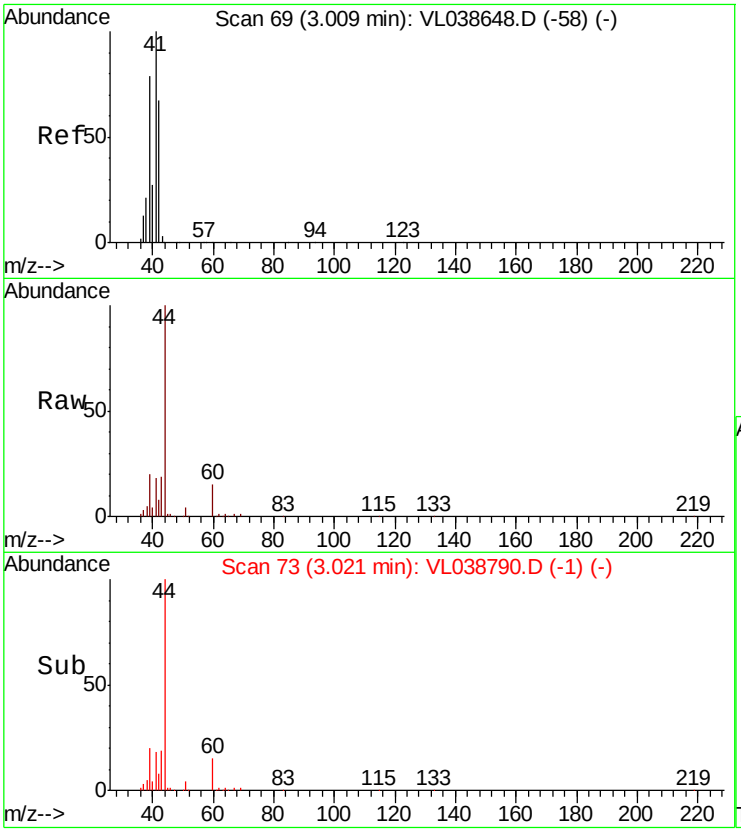


#4
Chloromethane
Concen: 0.603 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 50 Resp: 31763

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.5	38.3



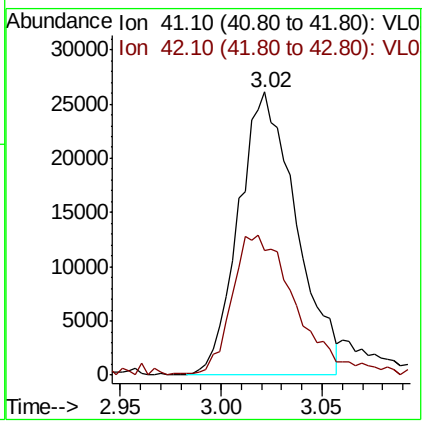


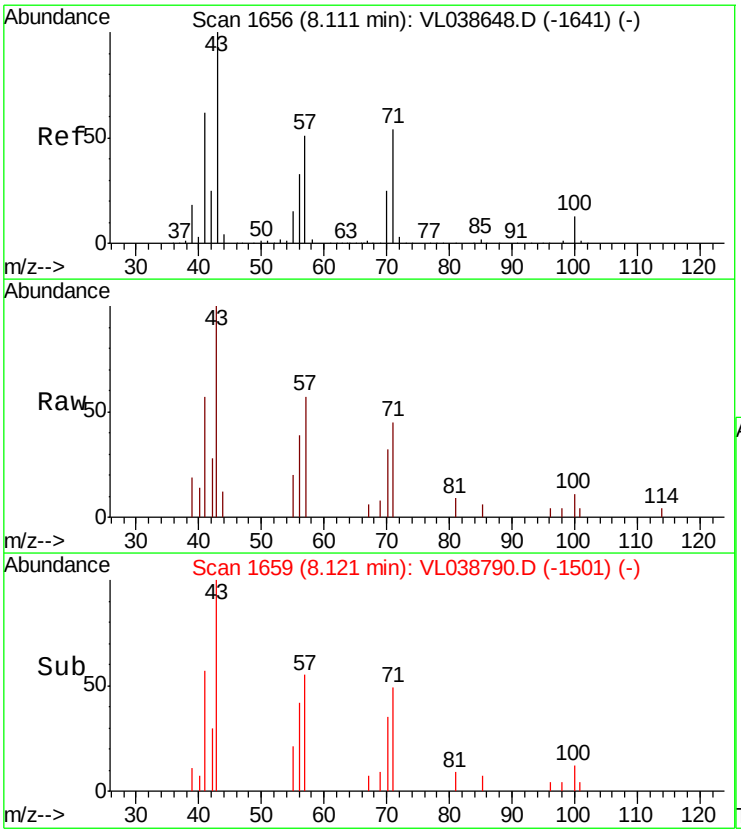
#9
Propene
Concen: 1.125 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 52116

Ion	Ratio	Lower	Upper
41	100		
42	55.5	56.2	84.4#

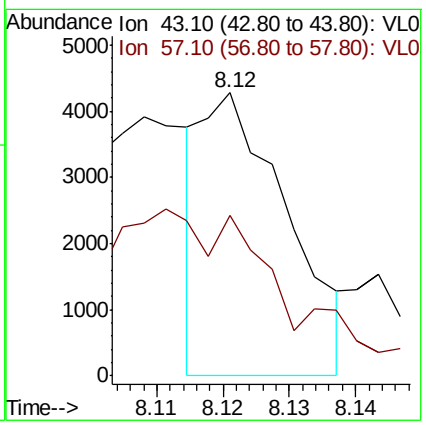


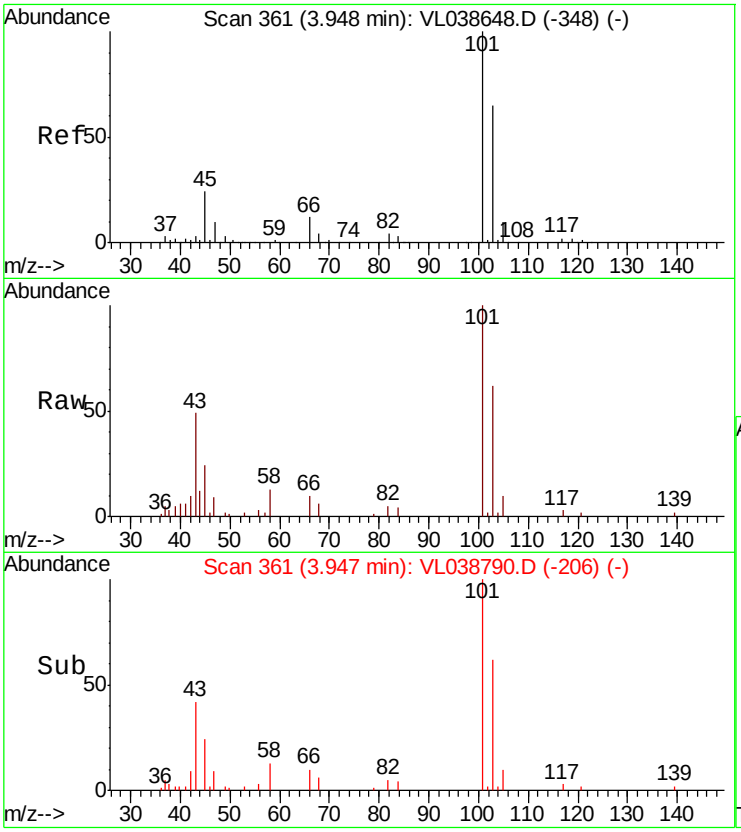


#10
Heptane
Concen: 0.034 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 43 Resp: 3810

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.2#



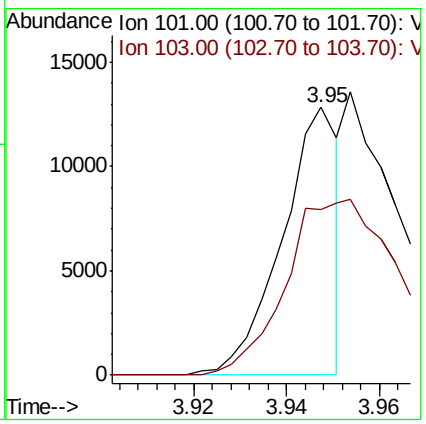


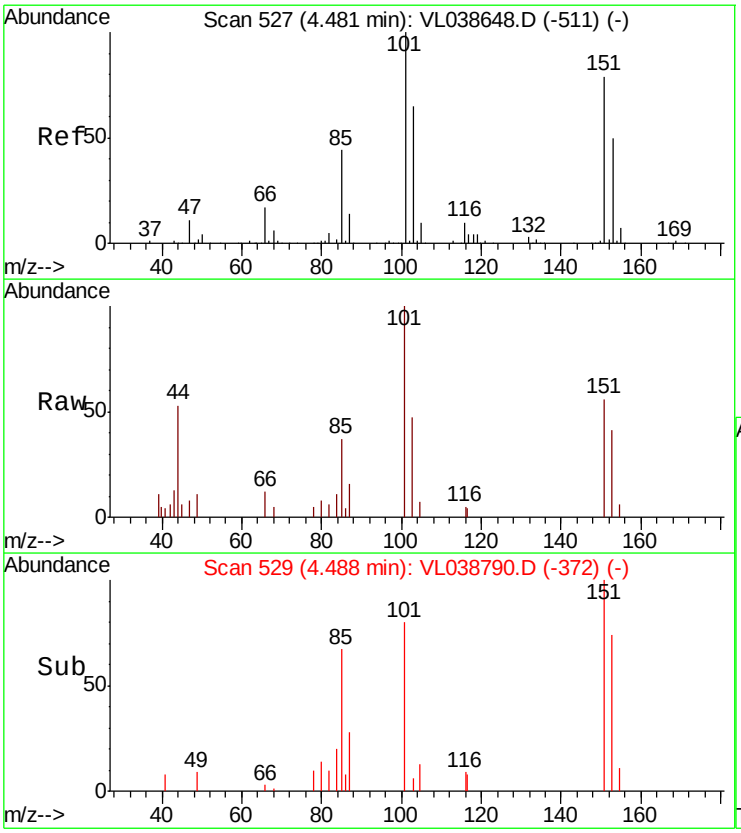
#11
Trichlorofluoromethane
Concen: 0.101 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 10846

Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.9	77.9

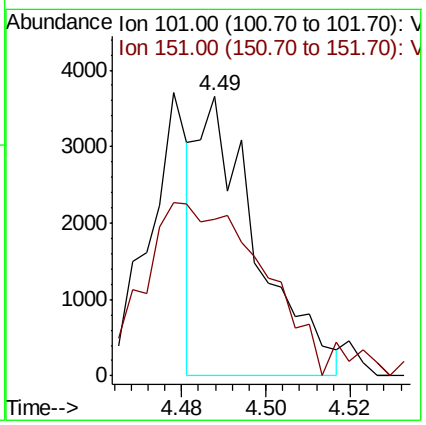


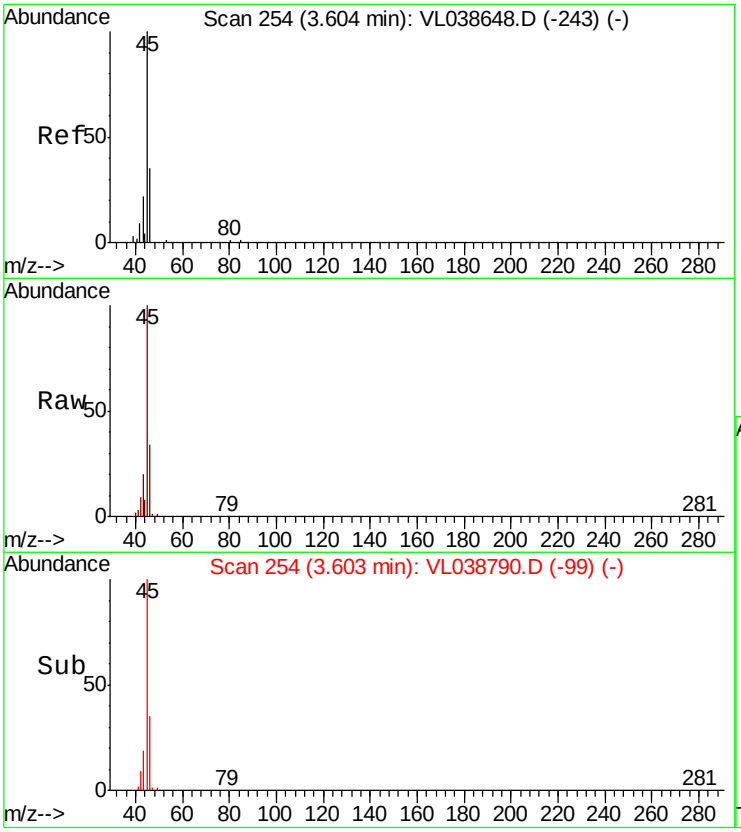


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.043 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.01 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:101 Resp: 3559

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#



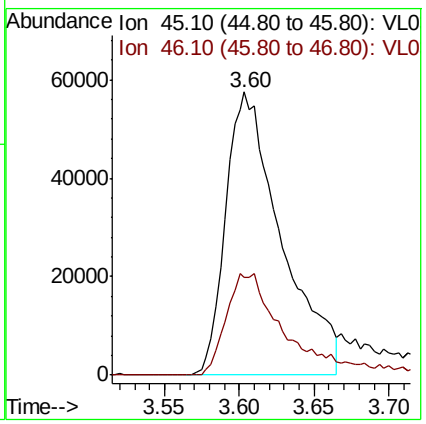


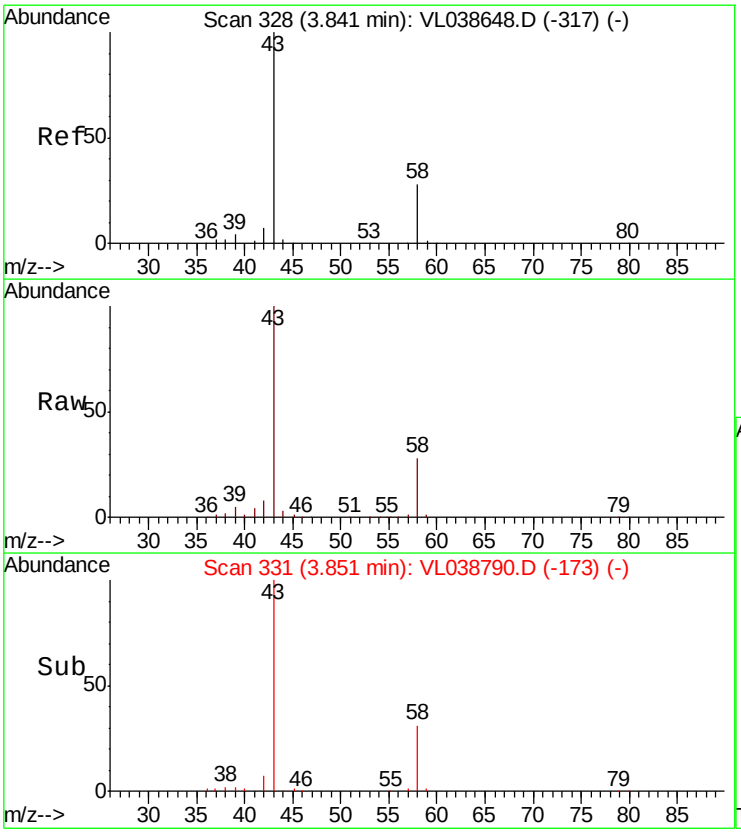
#13
Ethanol
Concen: 29.094 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 148693

Ion	Ratio	Lower	Upper
45	100		
46	39.4	15.1	60.5

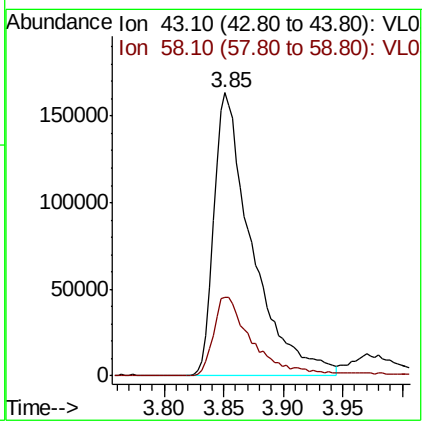


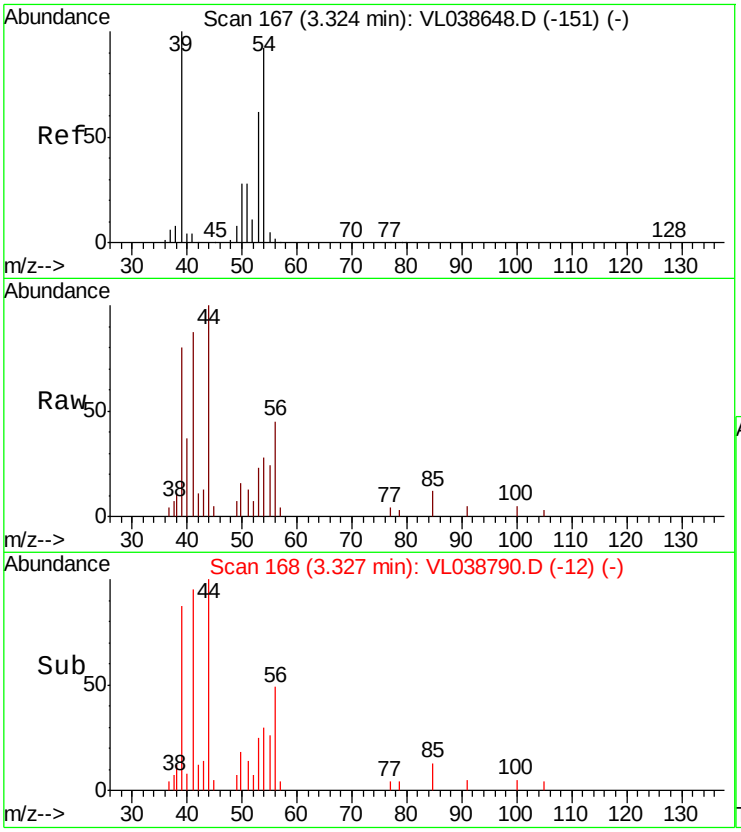


#15
Acetone
Concen: 4.602 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 43 Resp: 360774

Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.3	34.9



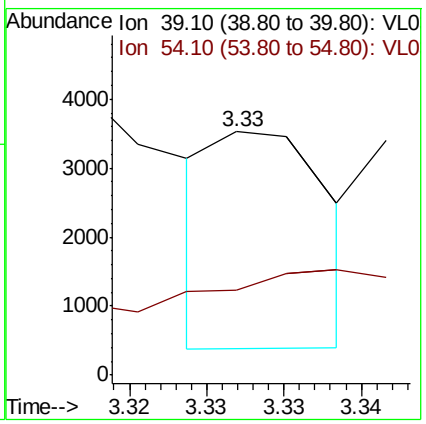


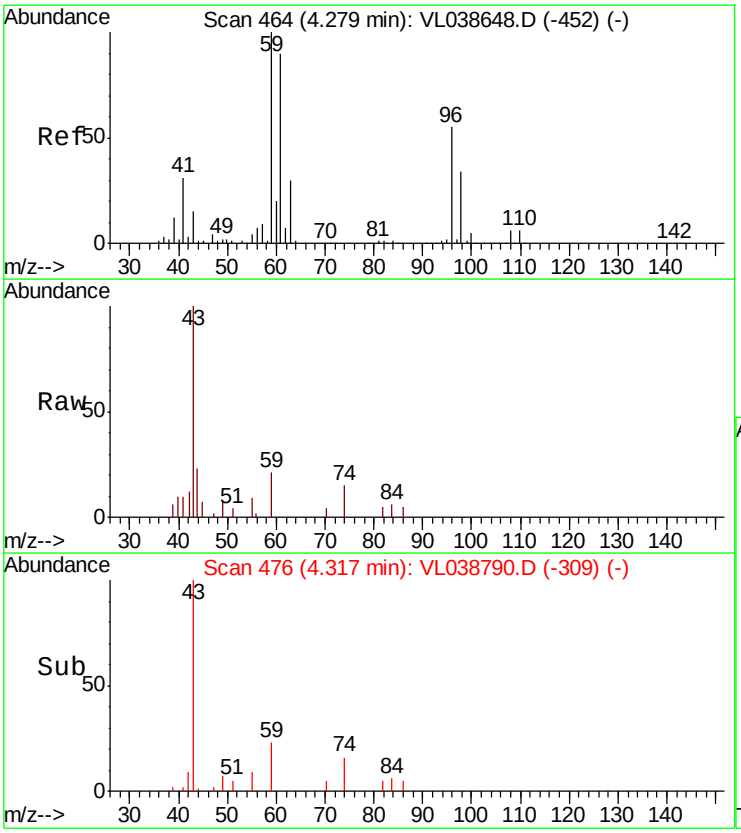
#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 3.33
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 39 Resp: 1602

Ion	Ratio	Lower	Upper
39	100		
54	229.0	69.1	103.7#

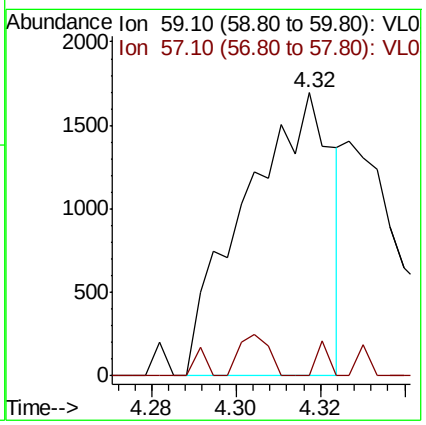


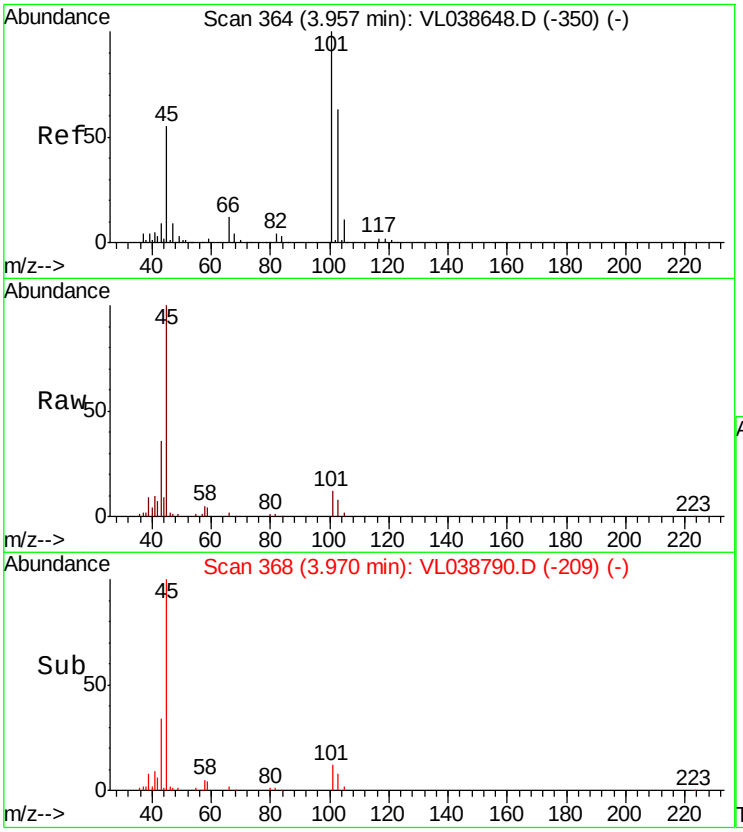


#17
tert-Butyl alcohol
Concen: 0.036 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 59 Resp: 2442

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



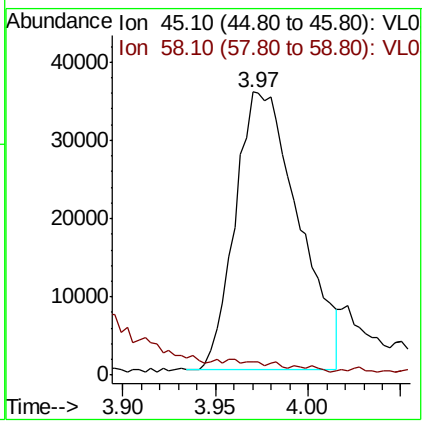


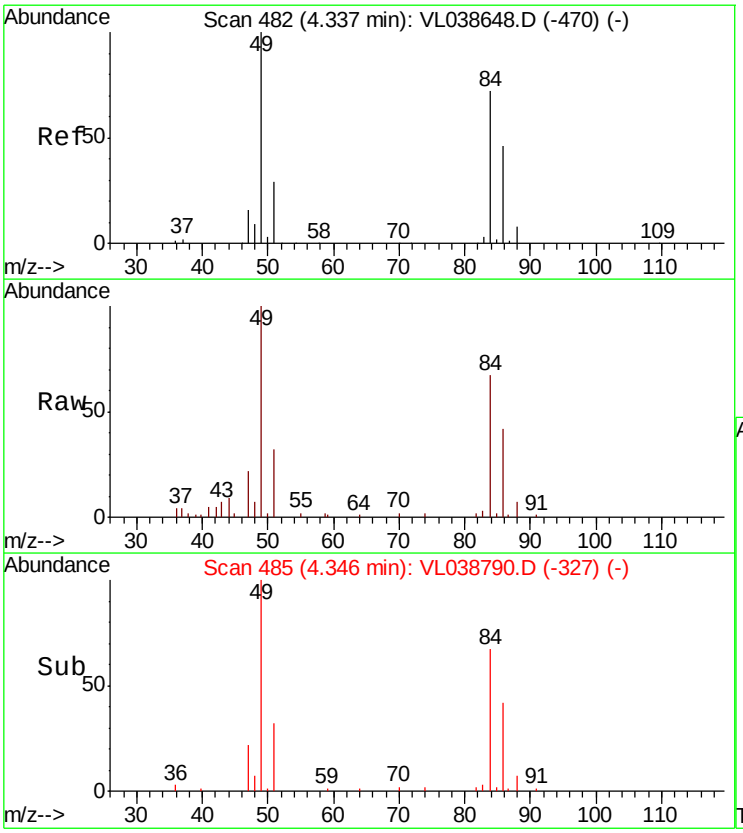
#19
Isopropyl Alcohol
Concen: 1.949 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 84720

Ion	Ratio	Lower	Upper
45	100		
58	129.7	2.3	3.5#

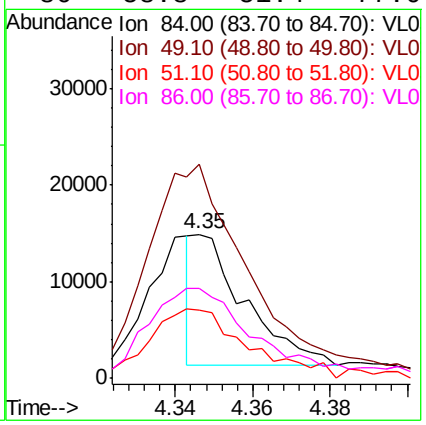


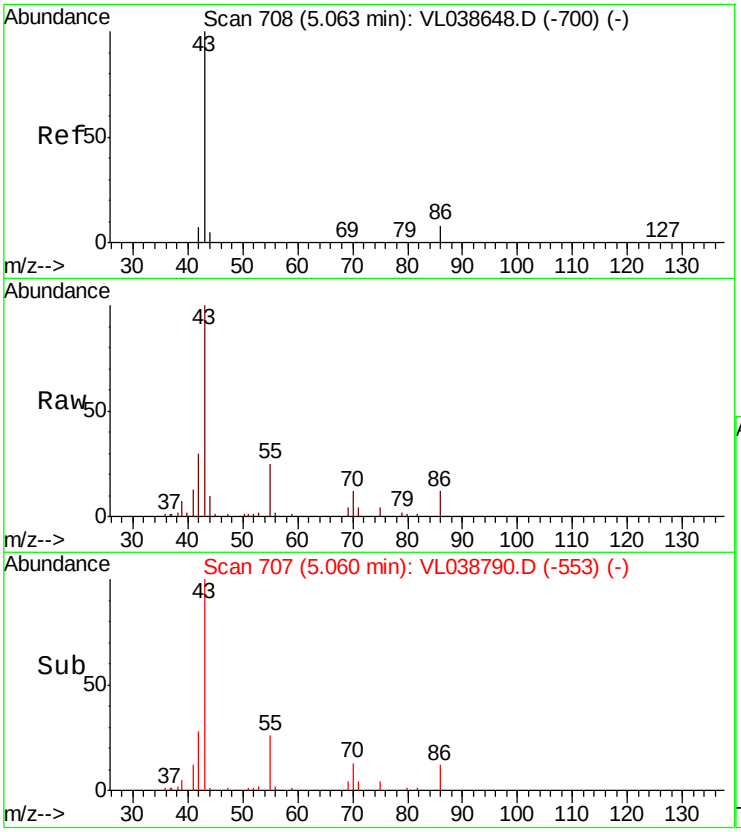


#20
Methylene Chloride
Concen: 0.374 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 84 Resp: 12339

Ion	Ratio	Lower	Upper
84	100		
49	142.8	111.2	166.8
51	51.3	32.8	49.2#
86	58.8	51.4	77.0



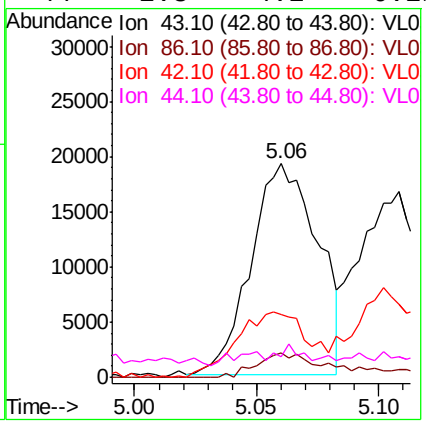


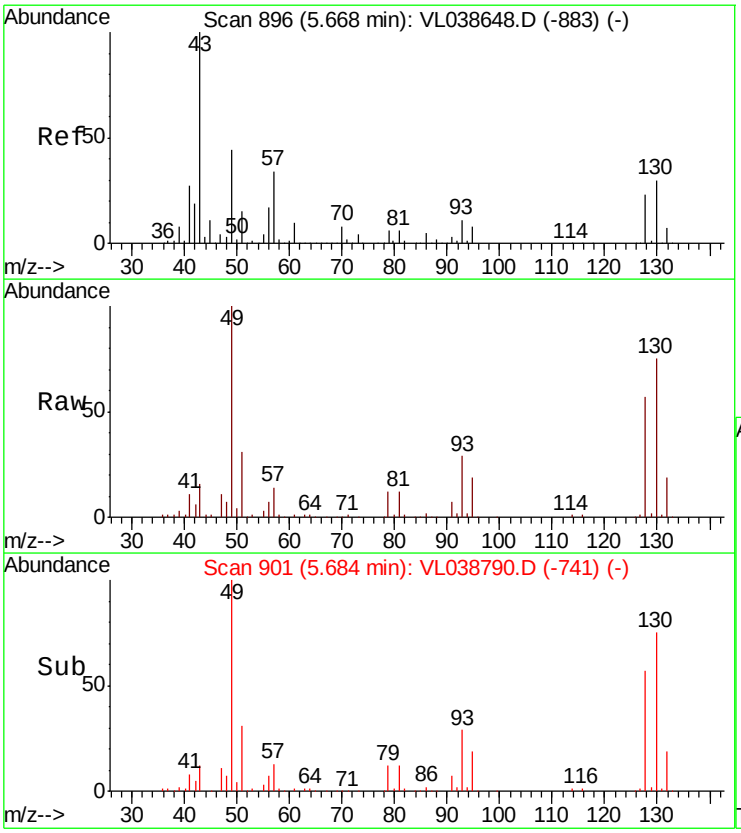
#23
Vinyl Acetate
Concen: 0.477 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 36221

Ion	Ratio	Lower	Upper
43	100		
86	11.7	5.6	8.4#
42	28.7	6.8	10.2#
44	2.3	4.2	6.2#

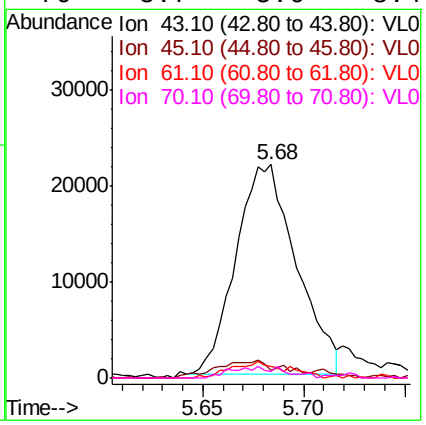


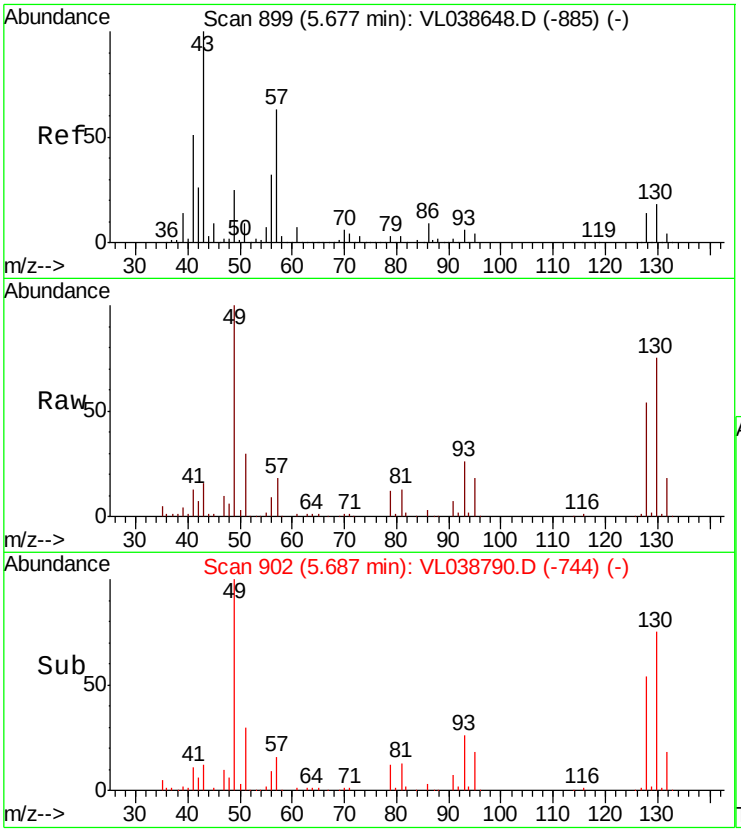


#25
Ethyl Acetate
Concen: 0.231 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 43 Resp: 45516

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	7.4	8.3	12.5#
70	5.7	5.6	8.4



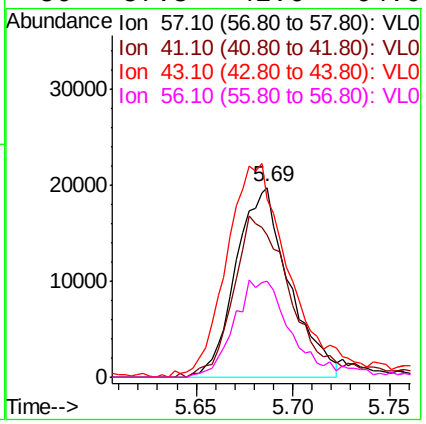


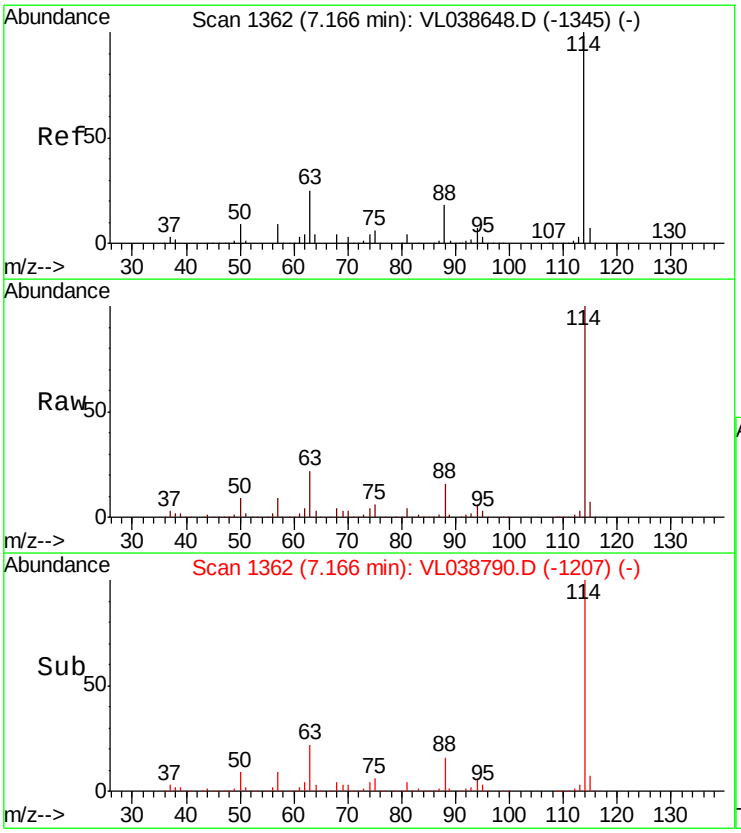
#26
Hexane
Concen: 0.428 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 37796

Ion	Ratio	Lower	Upper
57	100		
41	96.6	67.0	100.4
43	138.4	184.2	276.2#
56	57.3	42.6	64.0

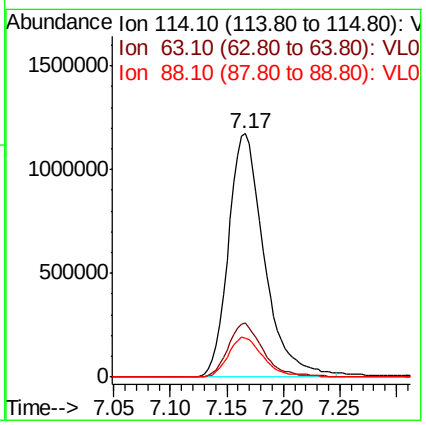


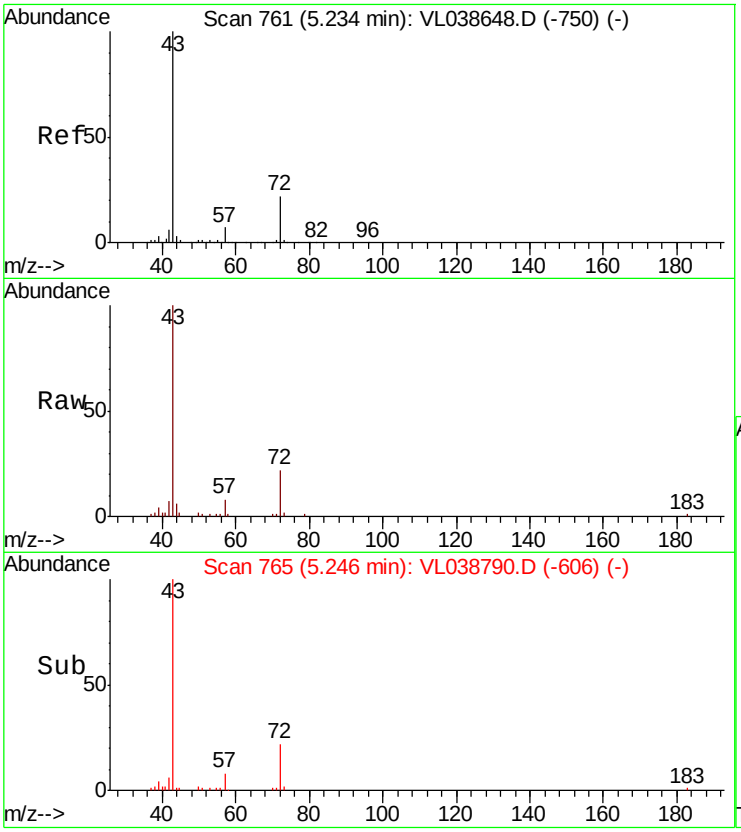


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:114 Resp: 2594473

Ion	Ratio	Lower	Upper
114	100		
63	22.2	19.4	29.0
88	16.5	13.9	20.9



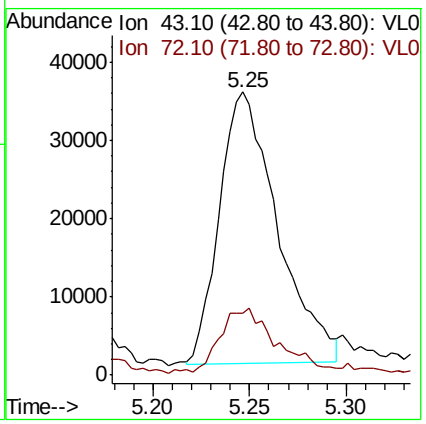


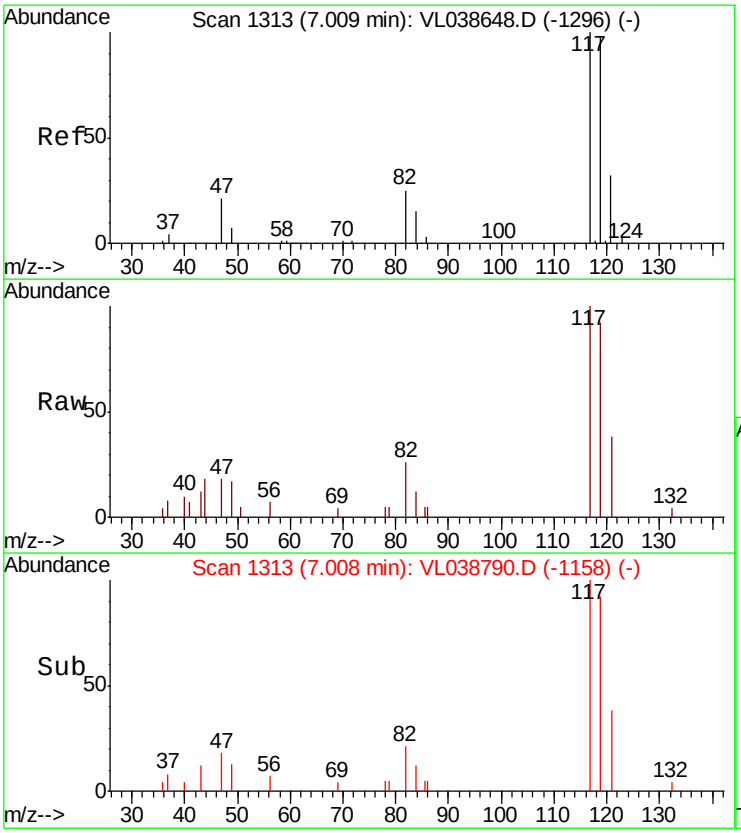
#34
2-Butanone
Concen: 0.705 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 72435

Ion	Ratio	Lower	Upper
43	100		
72	28.5	17.8	26.8#

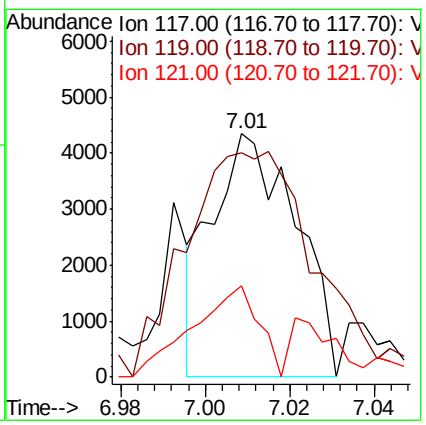


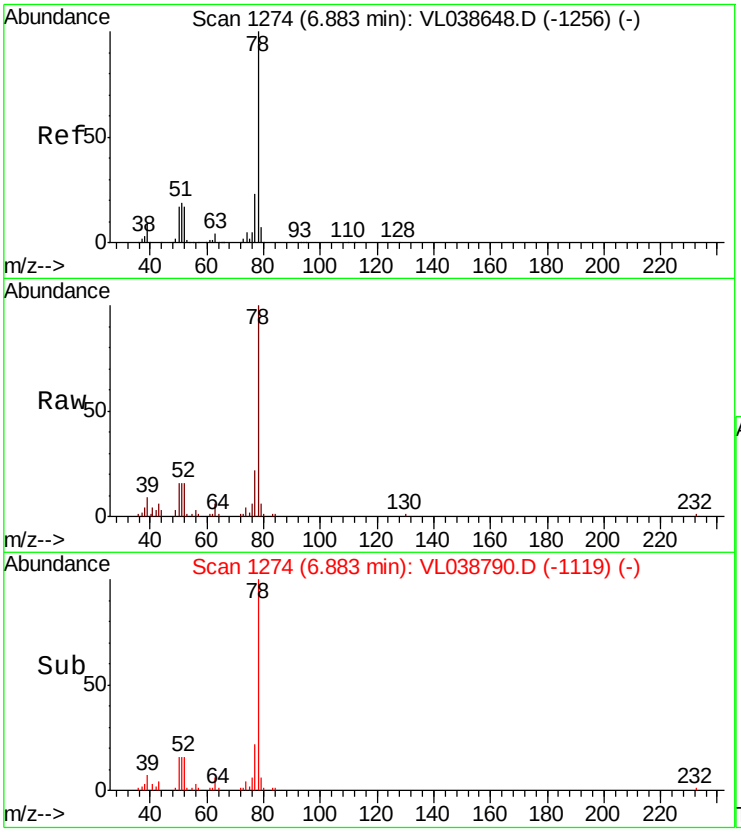


#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:117 Resp: 6030

Ion	Ratio	Lower	Upper
117	100		
119	55.8	78.1	117.1#
121	21.5	25.8	38.6#



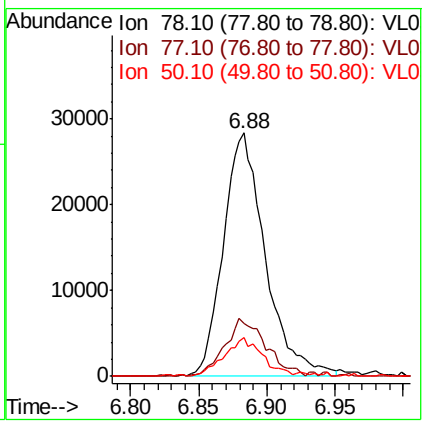


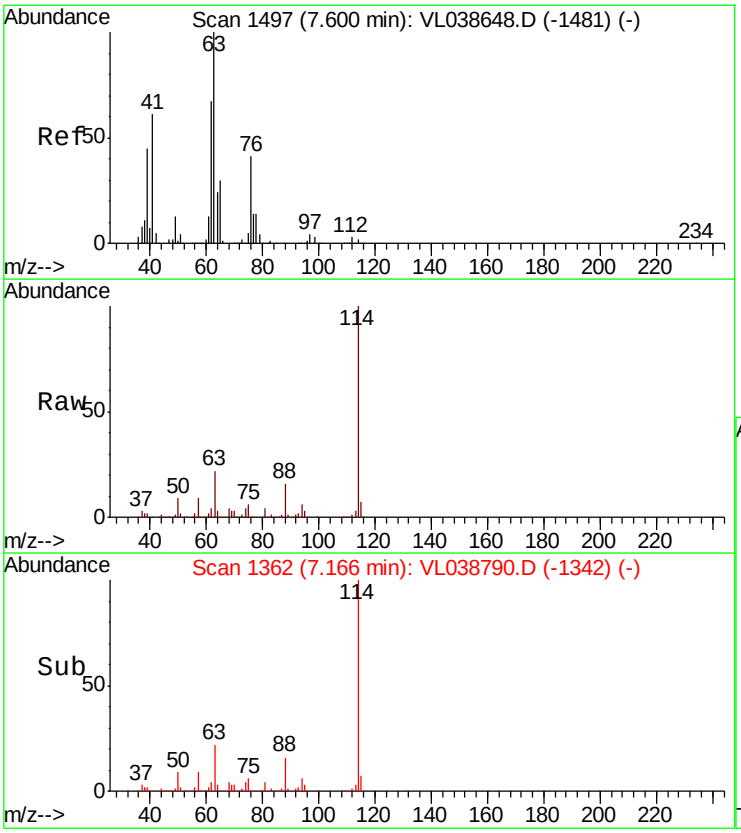
#36
Benzene
Concen: 0.303 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 78 Resp: 60592

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.1	27.1
50	15.7	13.6	20.4

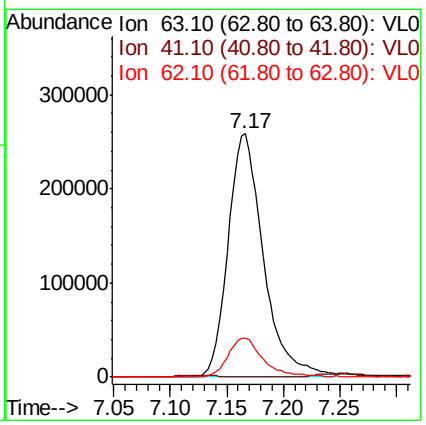


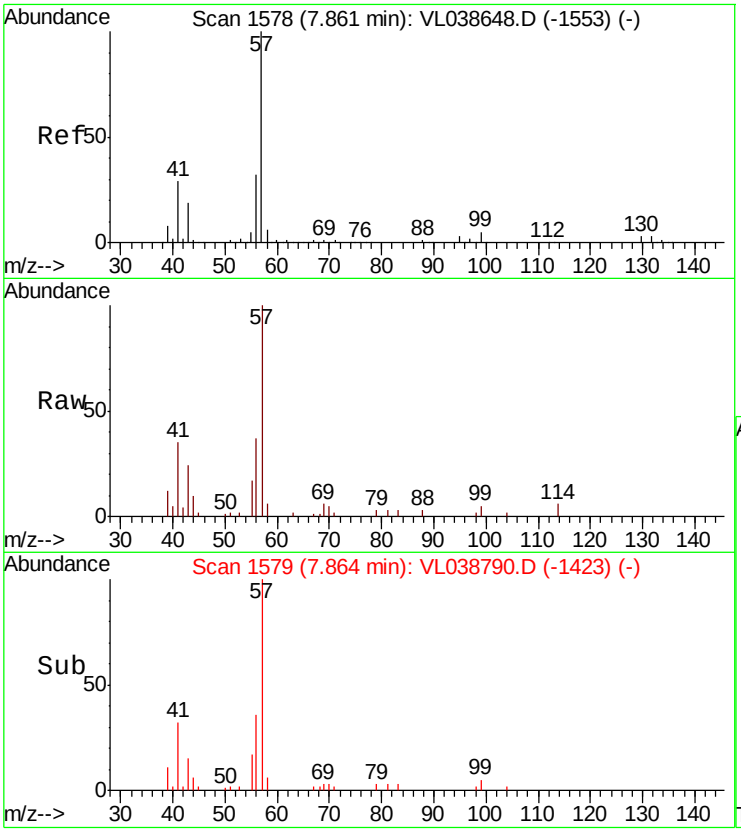


#39
1,2-Dichloropropane
Concen: 7.203 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.43 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 63 Resp: 563827

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	16.0	53.9	80.9#



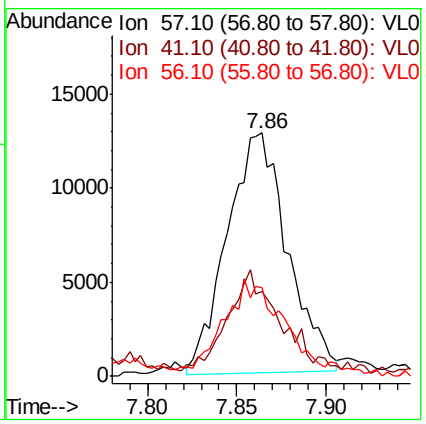


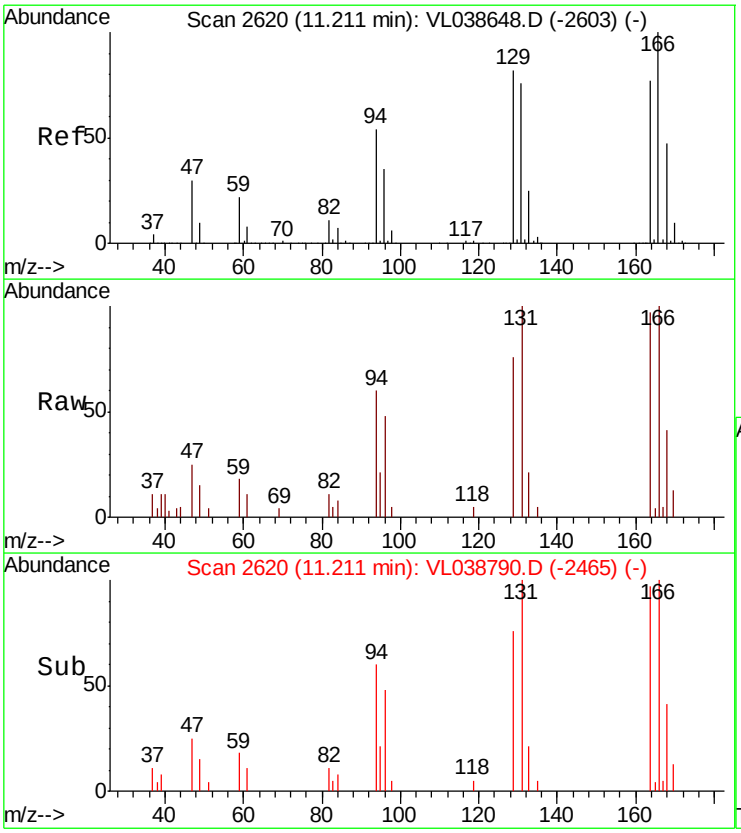
#44
2,2,4-Trimethylpentane
Concen: 0.090 ppbv
RT: 7.86
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 30154

Ion	Ratio	Lower	Upper
57	100		
41	44.0	23.0	34.4#
56	42.9	25.3	37.9#

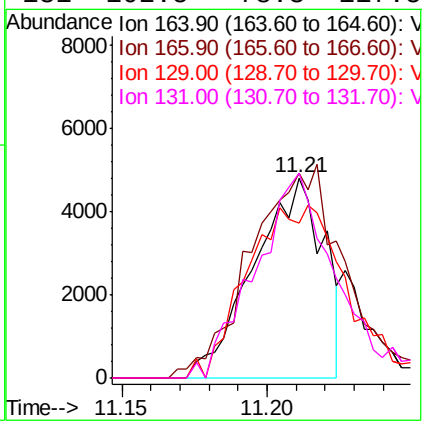


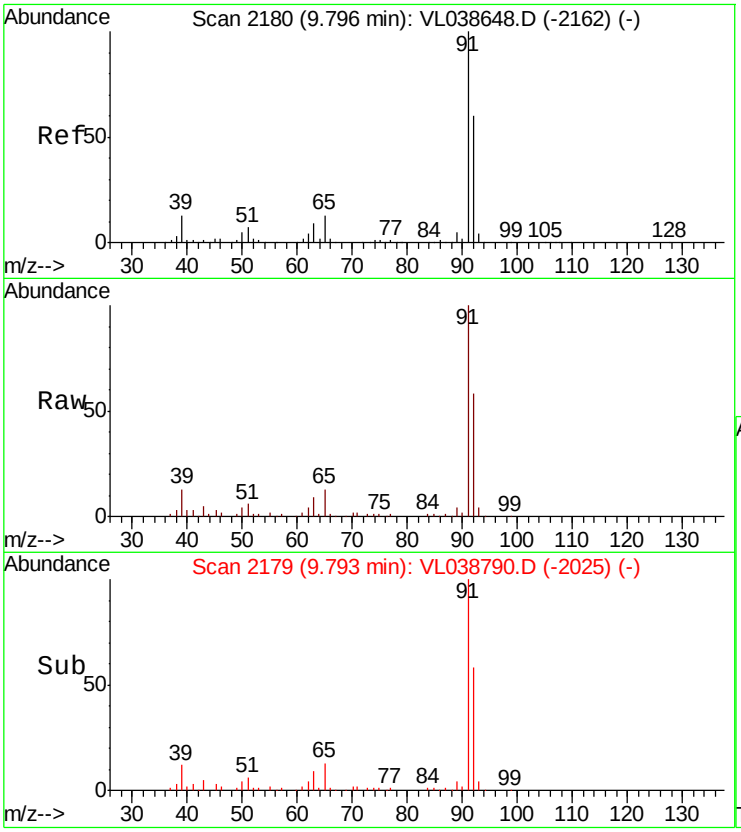


#52
Tetrachloroethene
Concen: 0.110 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:164 Resp: 8057

Ion	Ratio	Lower	Upper
164	100		
166	98.4	103.3	154.9#
129	77.8	85.2	127.8#
131	102.5	78.3	117.5



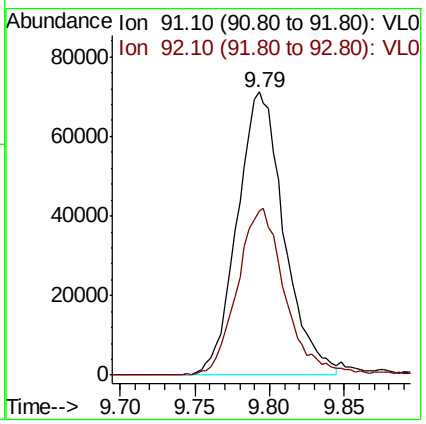


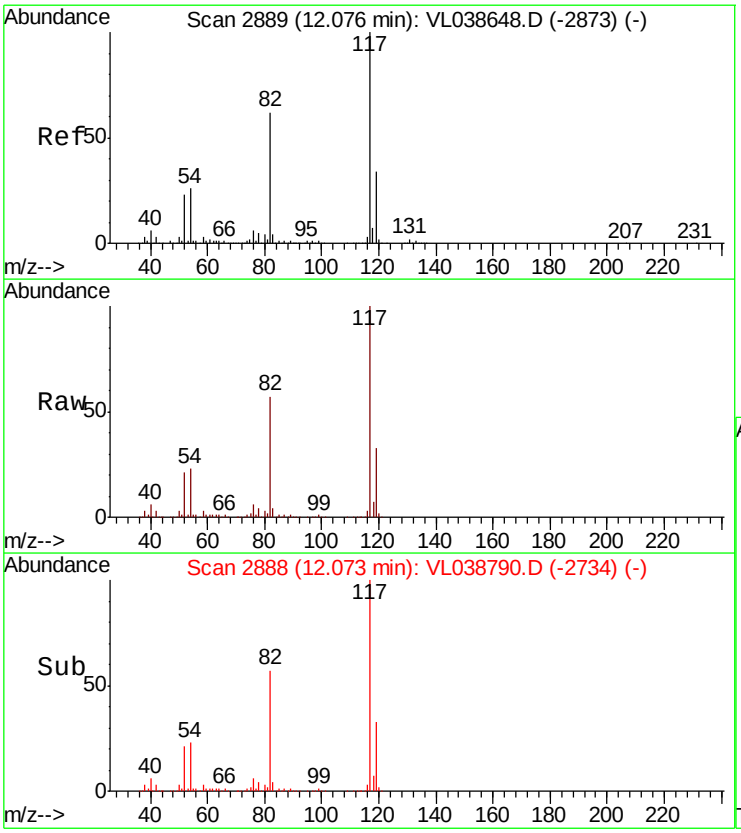
#53
Toluene
Concen: 0.720 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 154848

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.7	73.1

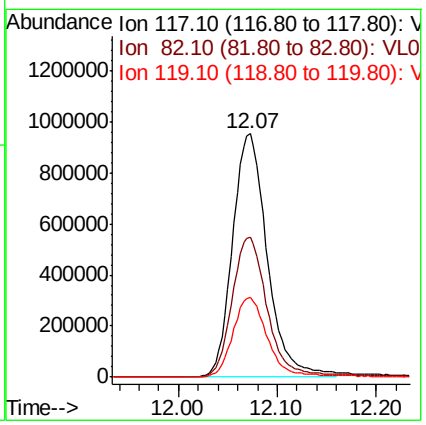


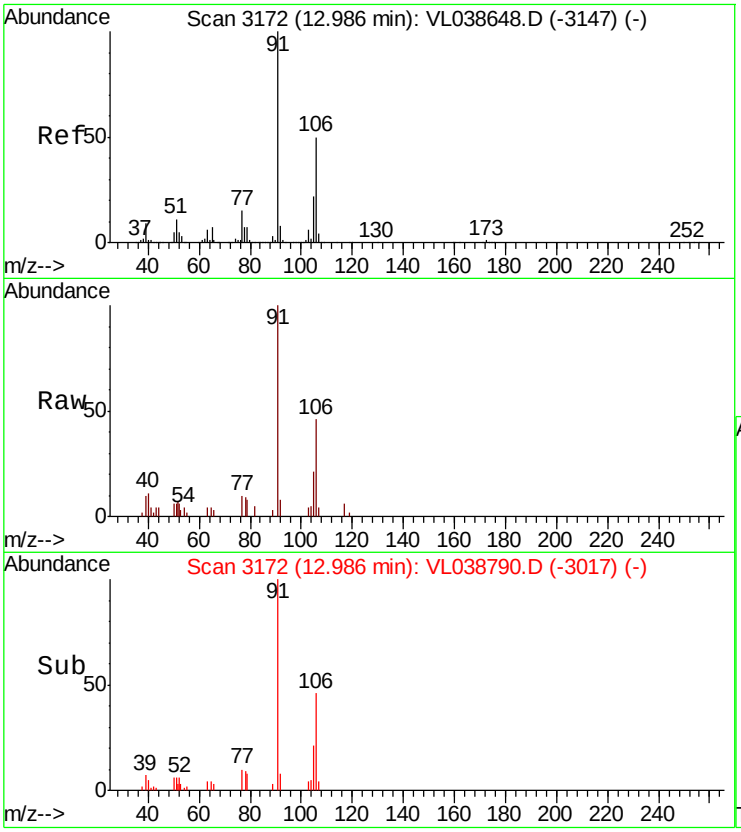


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion:117 Resp: 2318161

Ion	Ratio	Lower	Upper
117	100		
82	59.7	51.6	77.4
119	33.3	26.9	40.3



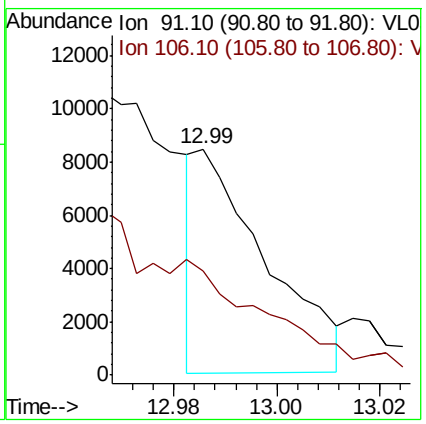


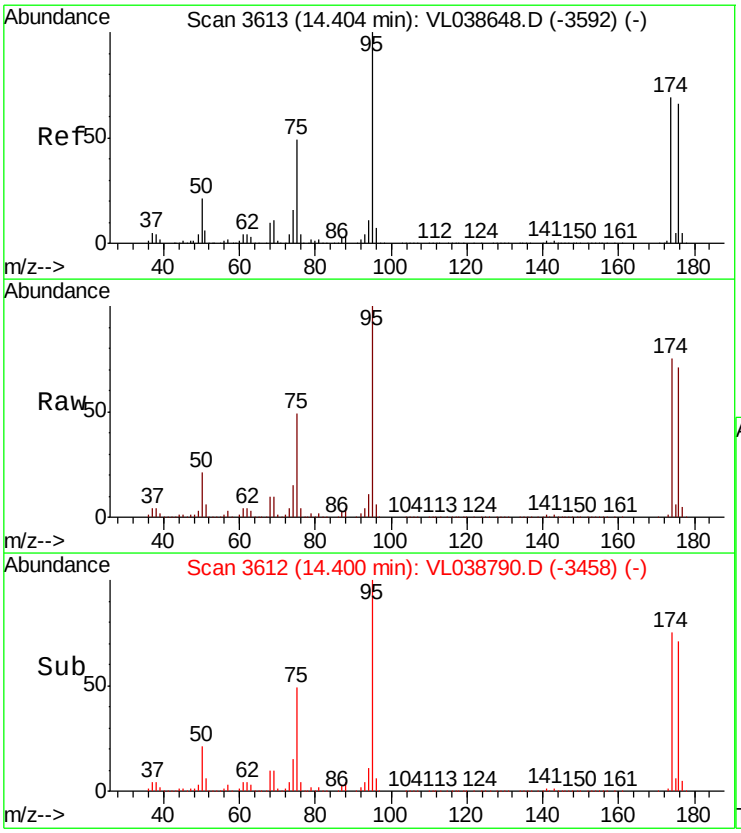
#59
m/p-Xylene
Concen: 0.033 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 7905

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#

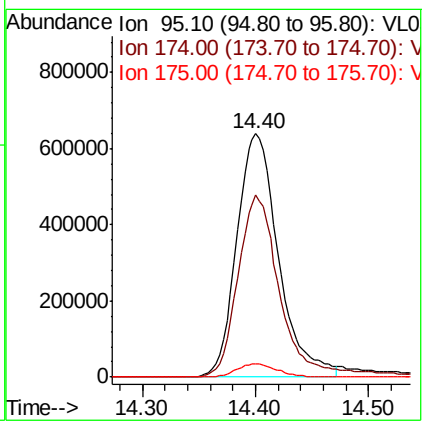


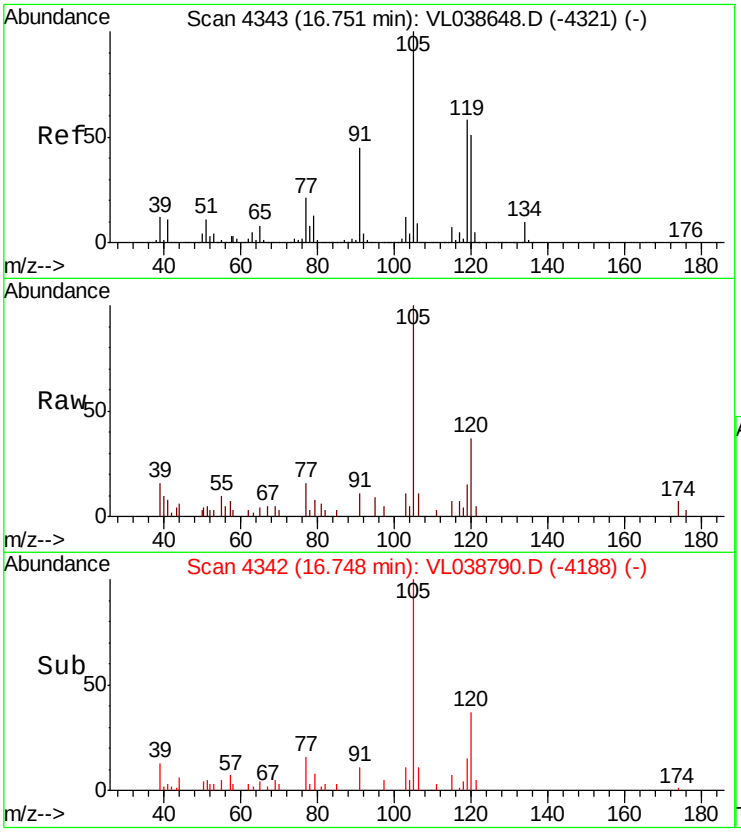


#68
1-Bromo-4-Fluorobenzene
Concen: 9.229 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.00 min
Lab File: VL038790.D
Acq: 29 Mar 2022 3:38

Tgt Ion: 95 Resp: 1640329

Ion	Ratio	Lower	Upper
95	100		
174	77.6	56.1	84.1
175	5.8	4.2	6.2





#74
1,2,4-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 29 Mar 2022 3:38

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:105 Resp: 14589

Ion	Ratio	Lower	Upper
105	100		
120	37.5	40.5	60.7#
91	11.4	35.9	53.9#
77	15.9	16.6	25.0#