Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038209.D
Acq On : 17 Dec 2021 4:17
Operator : SY/AP
Sample : M5117-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 04:08:45 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	769545	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2316345	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2014241	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1379393	9.49	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	26895	0.212	ppbv		93
3) Chlorodifluoromethane	3.00	51	43681	0.270	ppbv	#	87
4) Chloromethane	3.15	50	24438	0.444	ppbv		98
9) Propene	3.03	41	36457	0.613	ppbv		83
10) Heptane	8.12	43	7882	0.054	ppbv	#	13
11) Trichlorofluoromethane	3.96	101	12703	0.105	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	3978	0.047	ppbv	#	63
13) Ethanol	3.61	45	30327	5.273	ppbv	#	28
15) Acetone	3.86	43	386014	5.786	ppbv		97
16) 1,3-Butadiene	3.33	39	1911	0.037	ppbv	#	67
19) Isopropyl Alcohol	3.98	45	50994	1.058	ppbv	#	95
20) Methylene Chloride	4.35	84	377139	10.092	ppbv		95
23) Vinyl Acetate	5.08	43	10879	0.113	ppbv	#	62
25) Ethyl Acetate	5.70	43	250990	1.132	ppbv	#	79
26) Hexane	5.69	57	350708	3.281	ppbv	#	44
30) Cyclohexane	7.14	84	3673	0.038	ppbv	#	1
34) 2-Butanone	5.26	43	68965	0.738	ppbv	#	62
35) Carbon Tetrachloride	7.02	117	5467	0.034	ppbv	#	90
36) Benzene	6.90	78	41415	0.179	ppbv	#	92
39) 1,2-Dichloropropane	7.18	63	539125	6.083	ppbv	#	26
41) Tetrahydrofuran	6.07	42	34200	0.590	ppbv	#	81
53) Toluene	9.81	91	179043	0.673	ppbv		100
59) m/p-Xylene	13.00	91	11586	0.041	ppbv	#	29
60) o-Xylene	13.69	91	11488	0.044	ppbv	#	40
74) 1,2,4-Trimethylbenzene	16.77	105	16493	0.058	ppbv	#	64

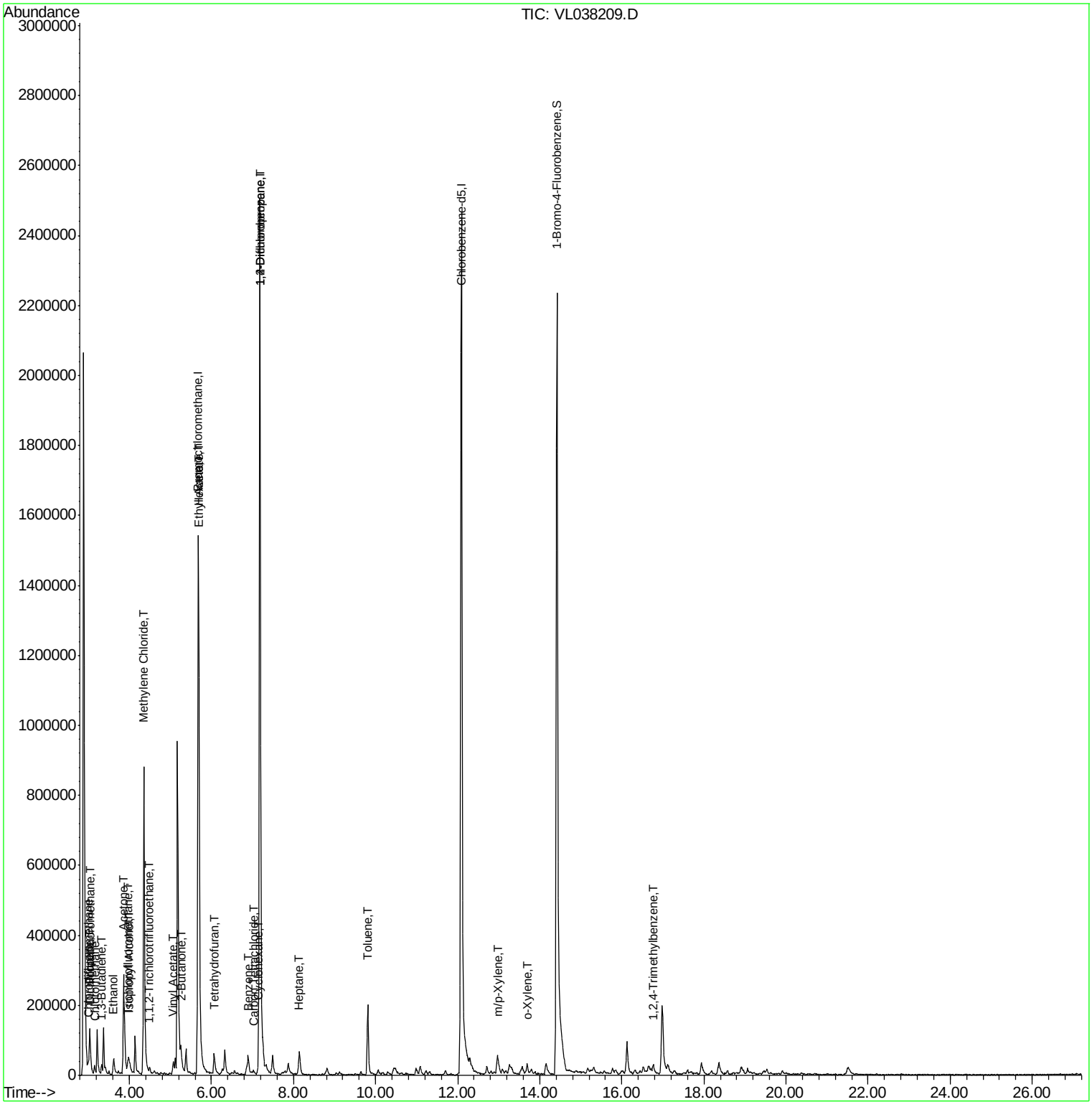
(#) = qualifier out of range (m) = manual integration (+) = signals summed

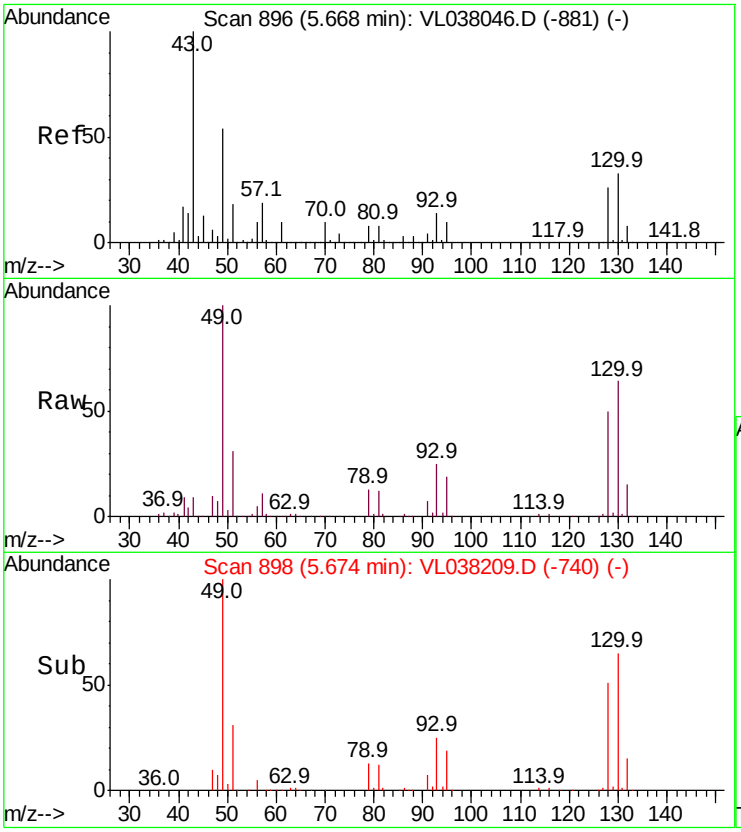
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038209.D
Acq On : 17 Dec 2021 4:17
Operator : SY/AP
Sample : M5117-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 04:08:45 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration



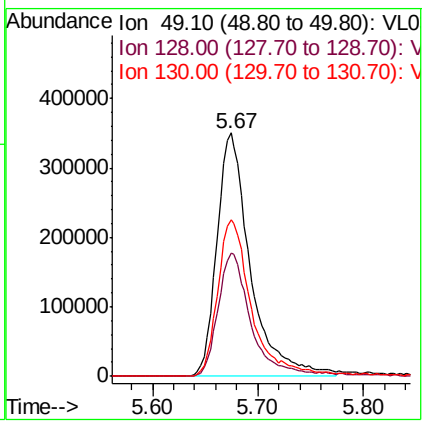


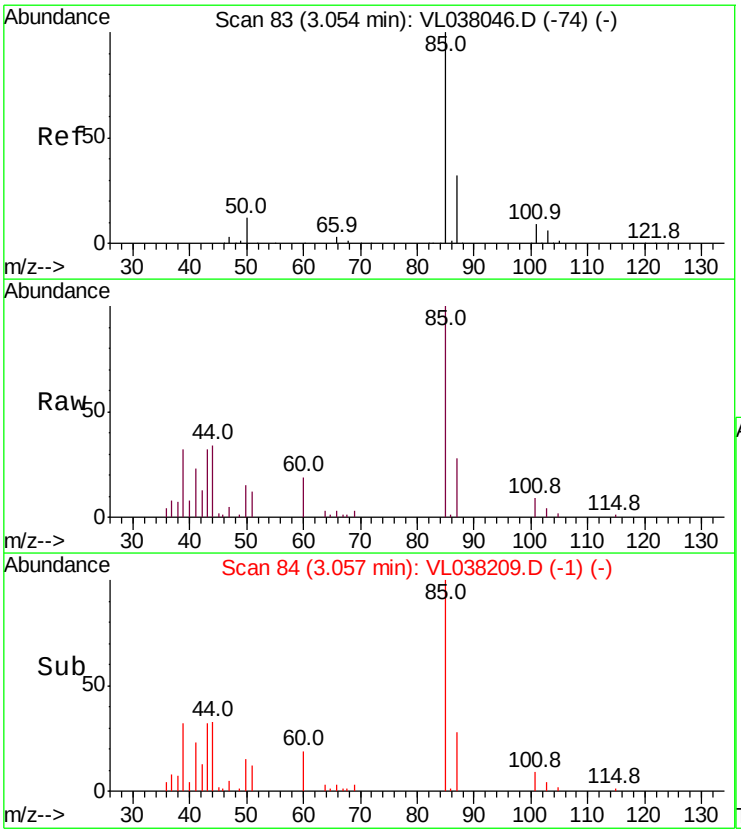
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 769545

Ion	Ratio	Lower	Upper
49	100		
128	51.6	26.5	79.5
130	67.0	32.5	97.4

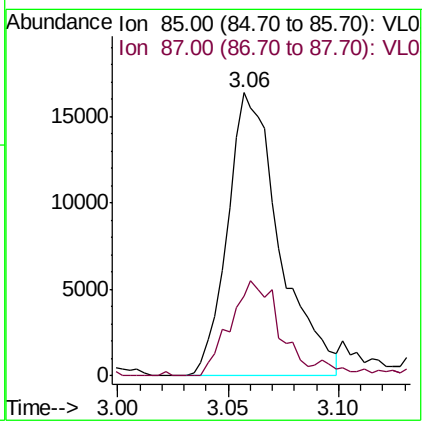


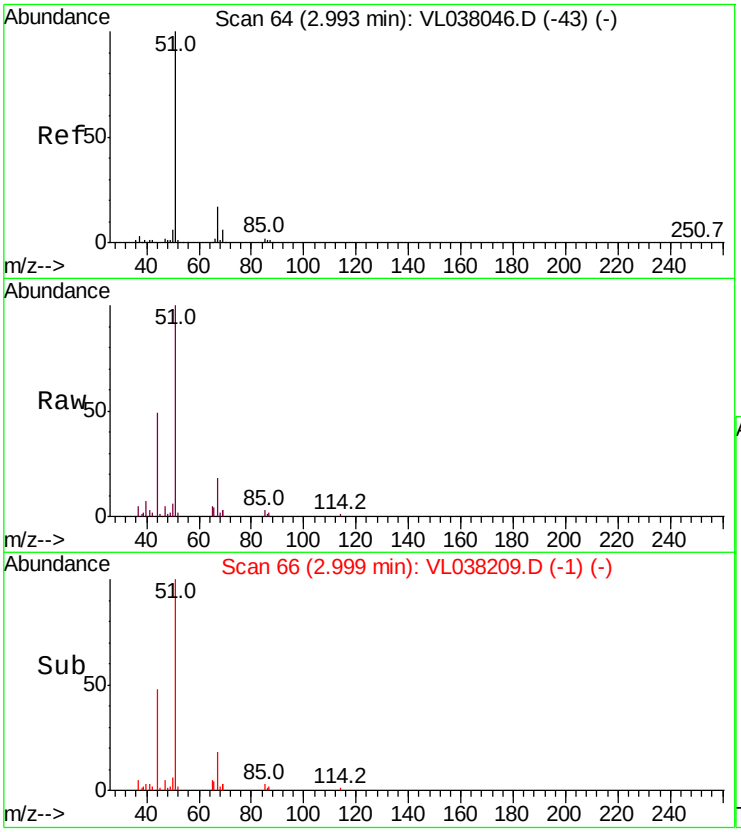


#2
Dichlorodifluoromethane
Concen: 0.212 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.00 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 85 Resp: 26895

Ion	Ratio	Lower	Upper
85	100		
87	28.3	25.8	38.6



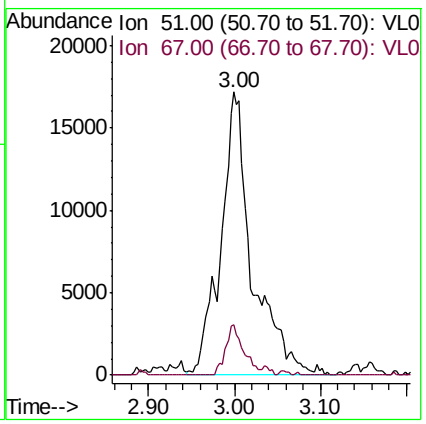


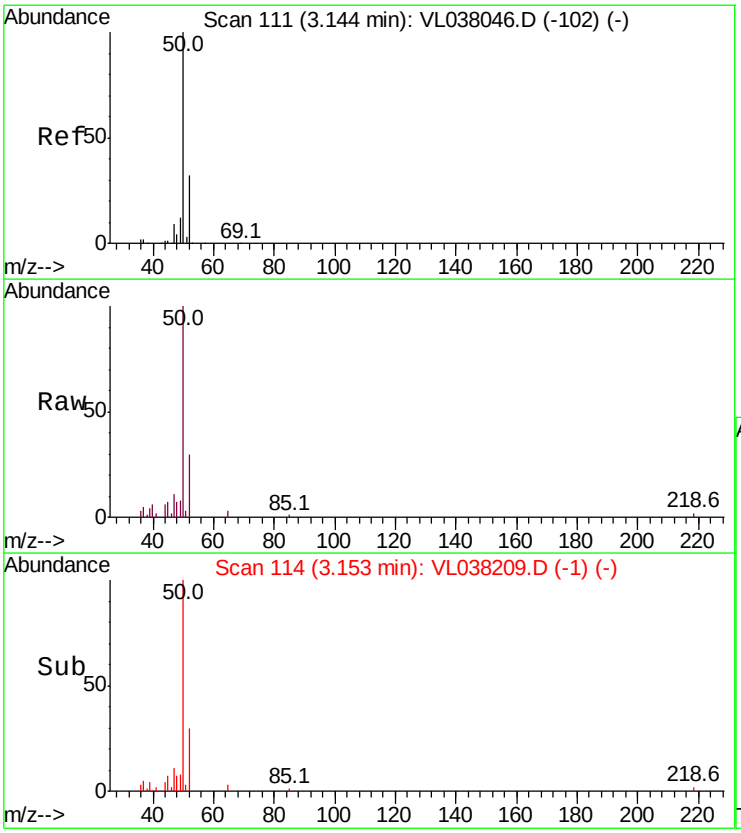
#3
Chlorodifluoromethane
Concen: 0.270 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 43681

Ion	Ratio	Lower	Upper
51	100		
67	11.4	13.8	20.8#

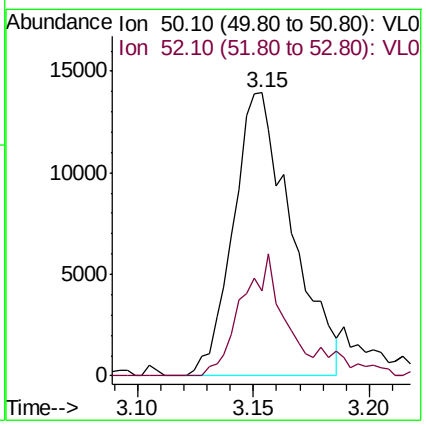


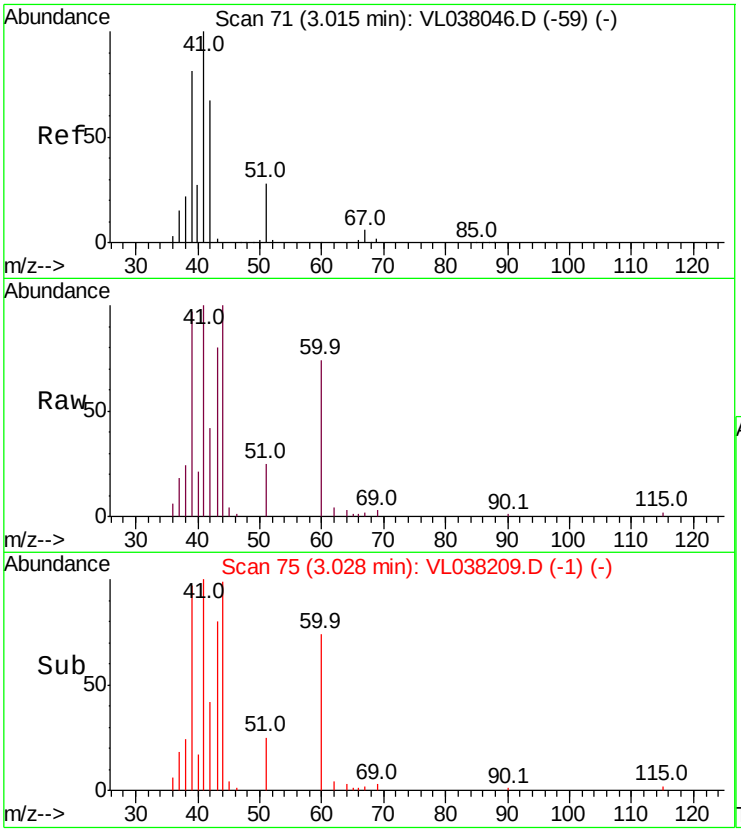


#4
Chloromethane
Concen: 0.444 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 50 Resp: 24438

Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.4	38.0



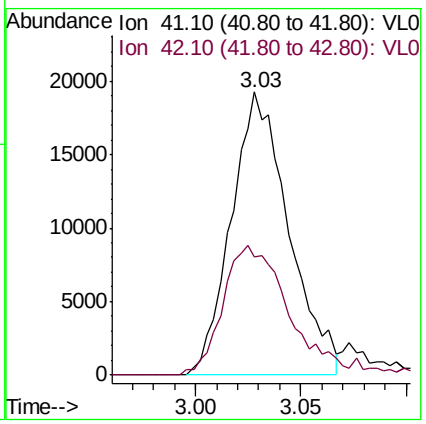


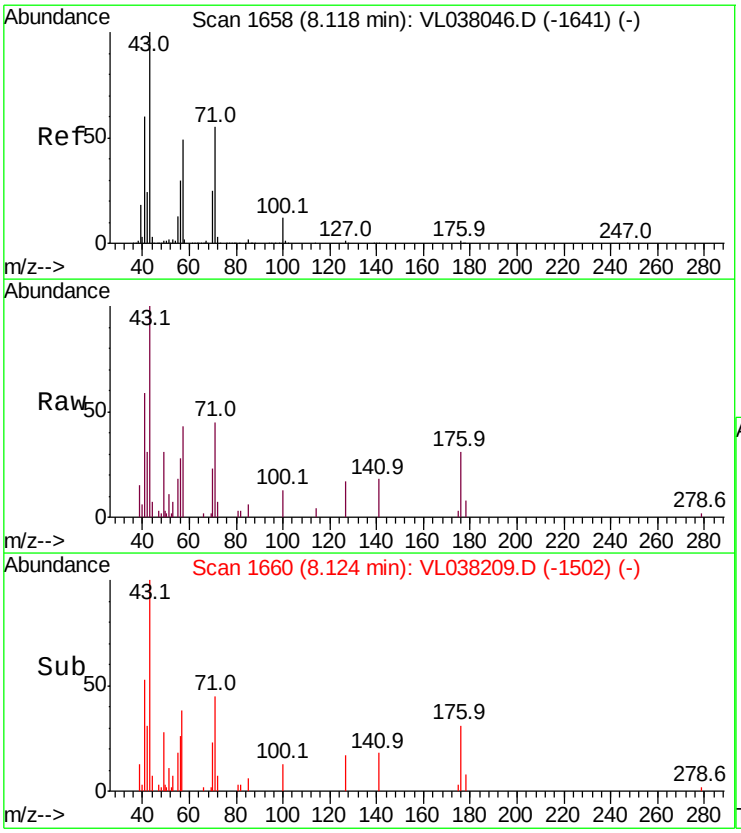
#9
Propene
Concen: 0.613 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 36457

Ion	Ratio	Lower	Upper
41	100		
42	53.9	53.8	80.8

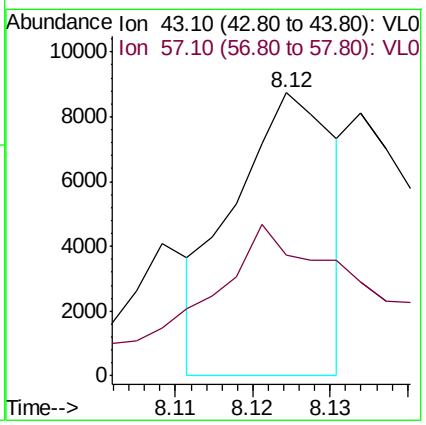


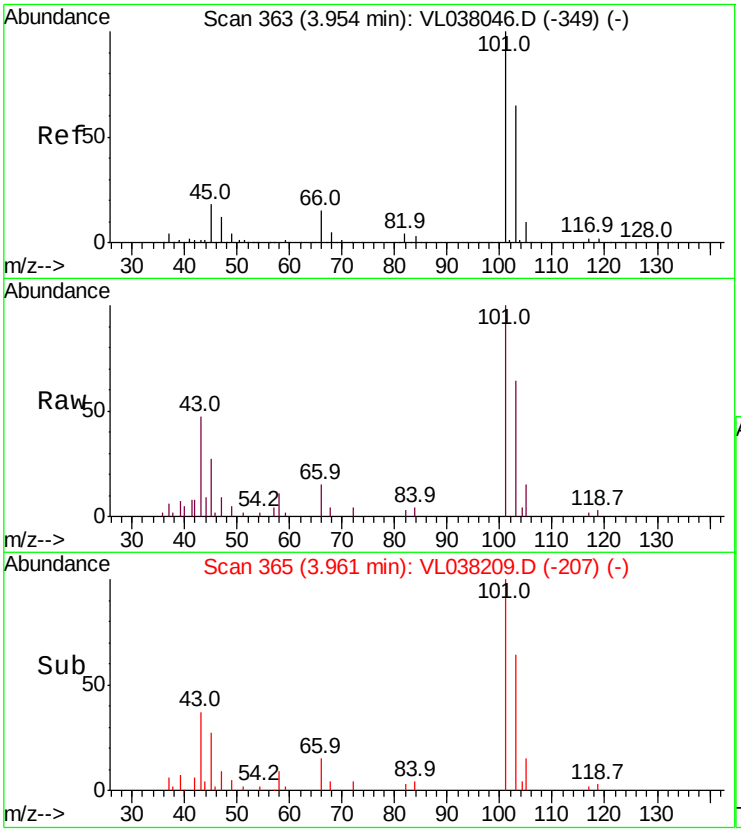


#10
Heptane
Concen: 0.054 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 43 Resp: 7882

Ion	Ratio	Lower	Upper
43	100		
57	110.5	40.4	60.6#



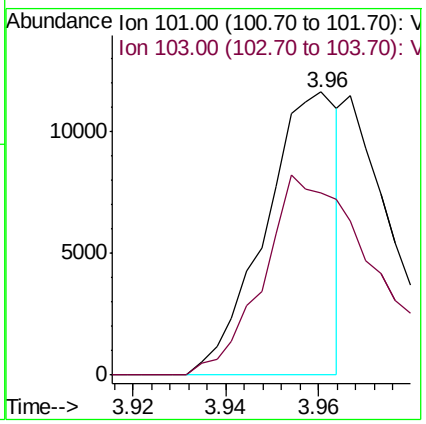


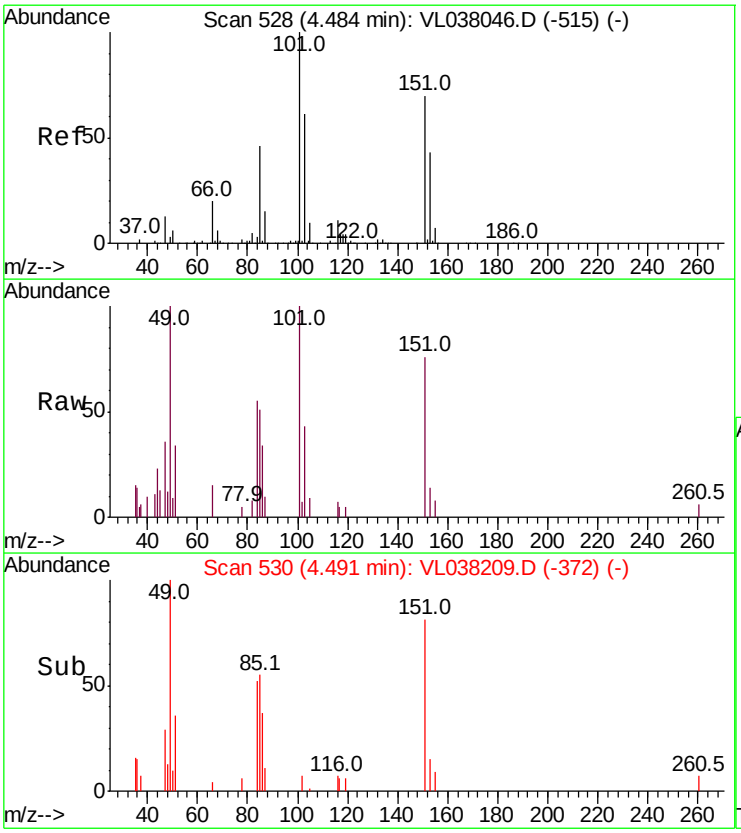
#11
Trichlorofluoromethane
Concen: 0.105 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 12703

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

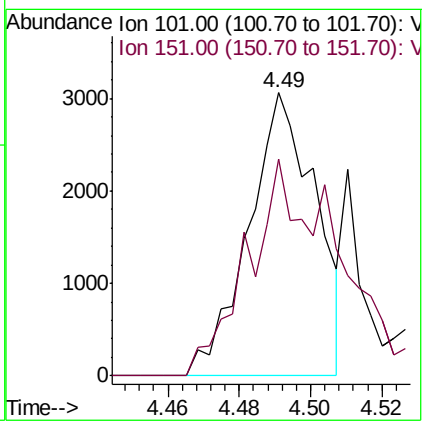


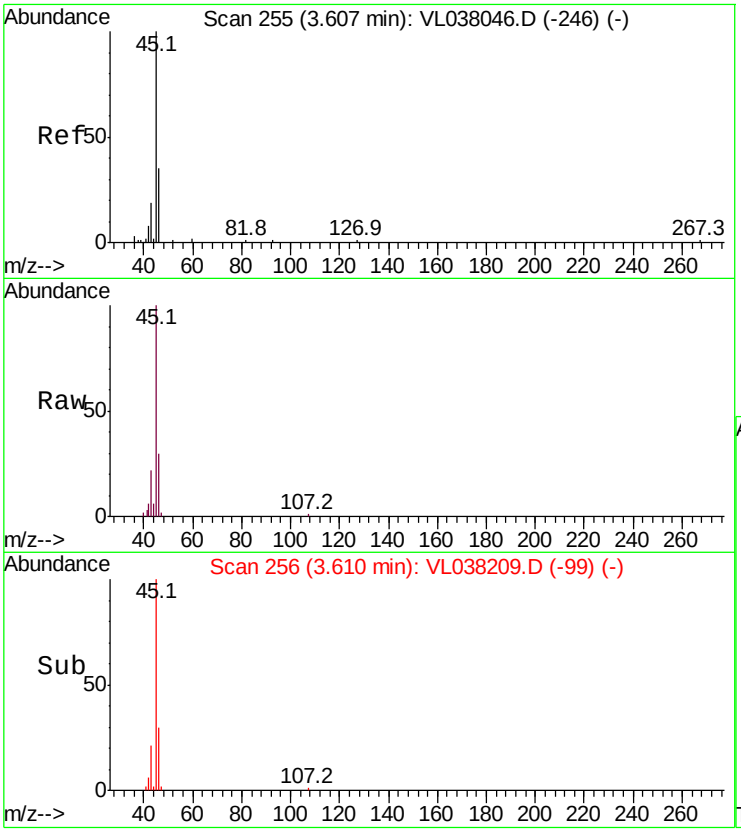


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.047 ppbv
RT: 4.49 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion:101 Resp: 3978

Ion	Ratio	Lower	Upper
101	100		
151	105.1	59.0	88.4#



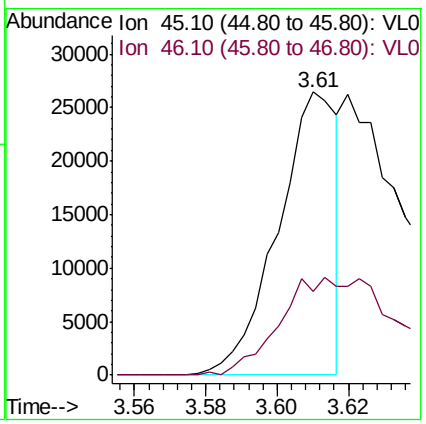


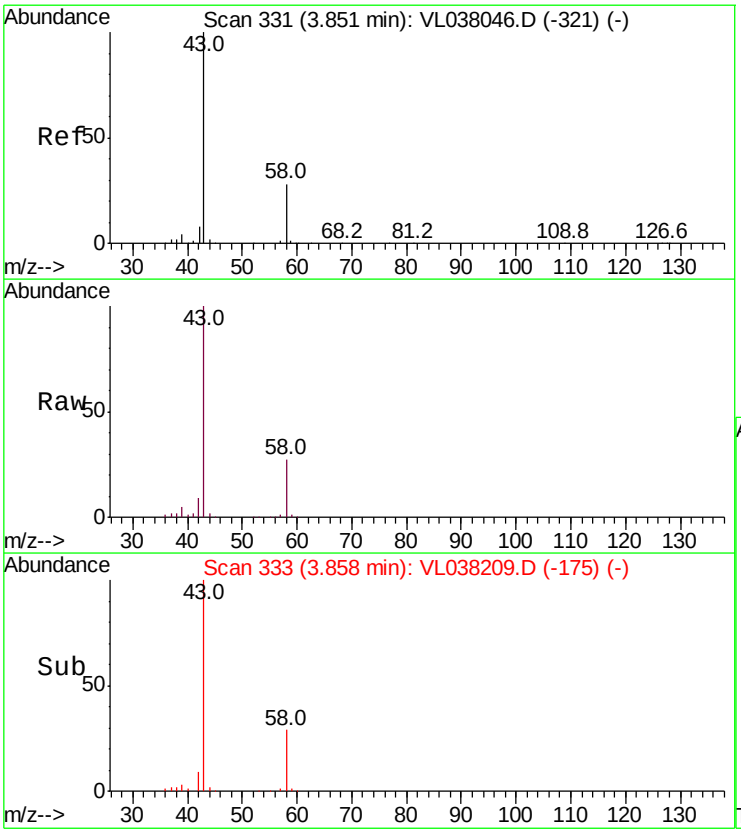
#13
Ethanol
Concen: 5.273 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 30327

Ion	Ratio	Lower	Upper
45	100		
46	90.5	17.6	70.2#

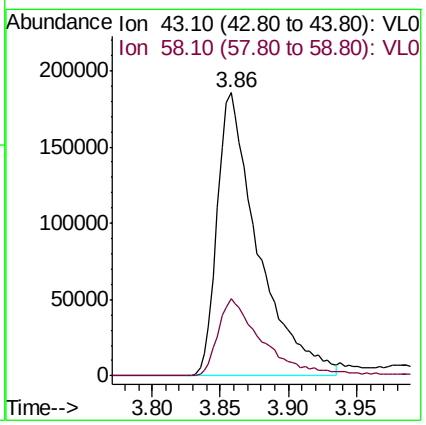


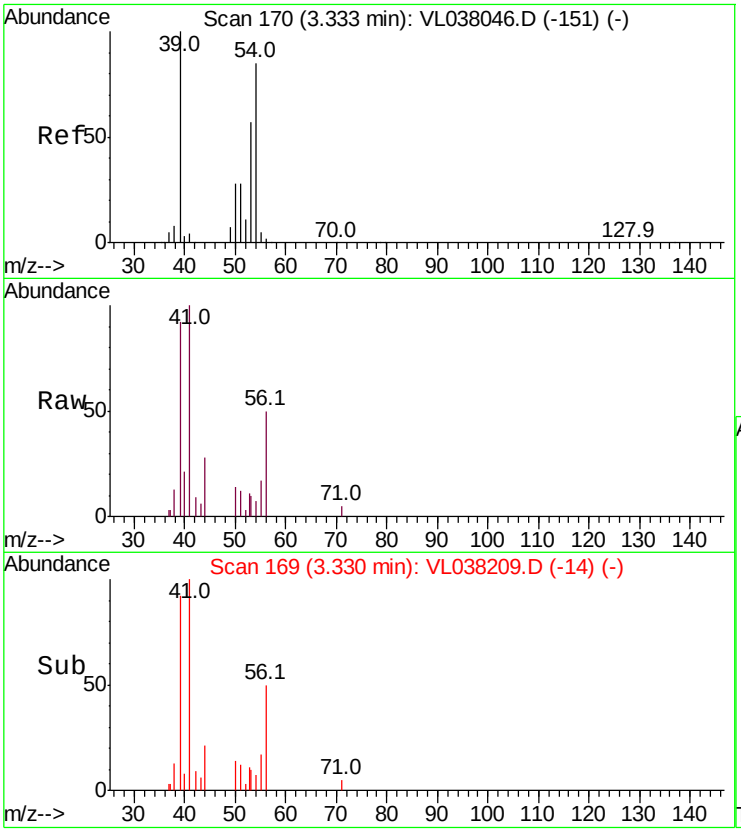


#15
Acetone
Concen: 5.786 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 43 Resp: 386014

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.4	33.6



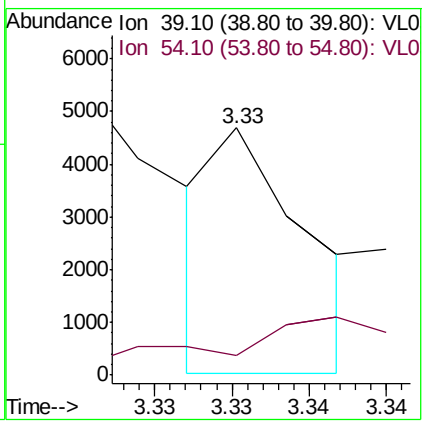


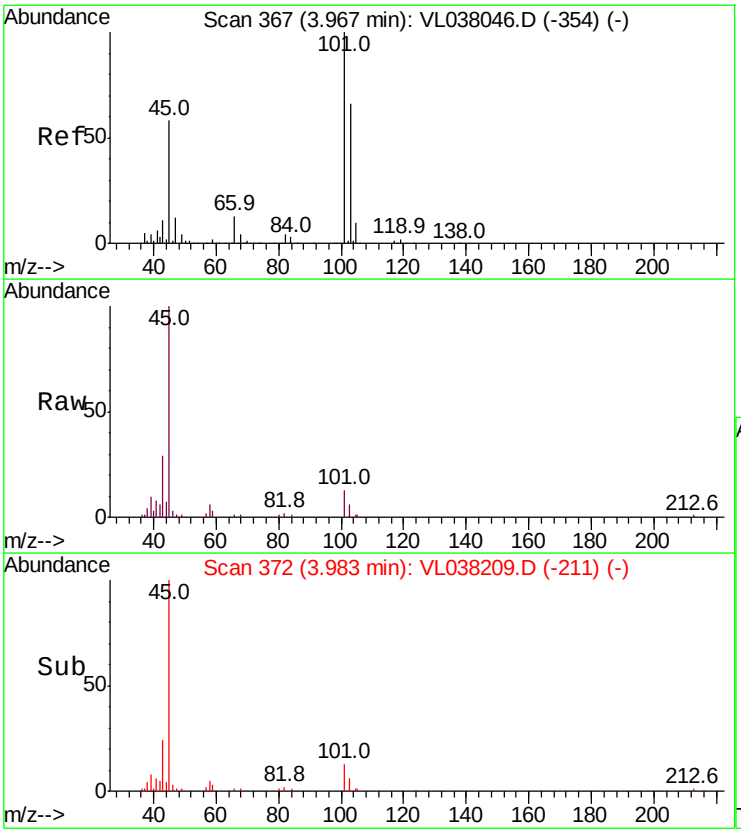
#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 3.33
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 1911

Ion	Ratio	Lower	Upper
39	100		
54	109.3	64.4	96.6#

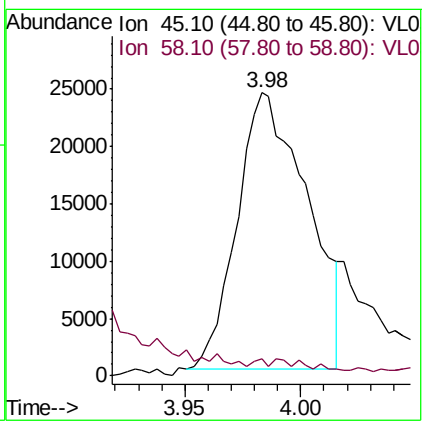


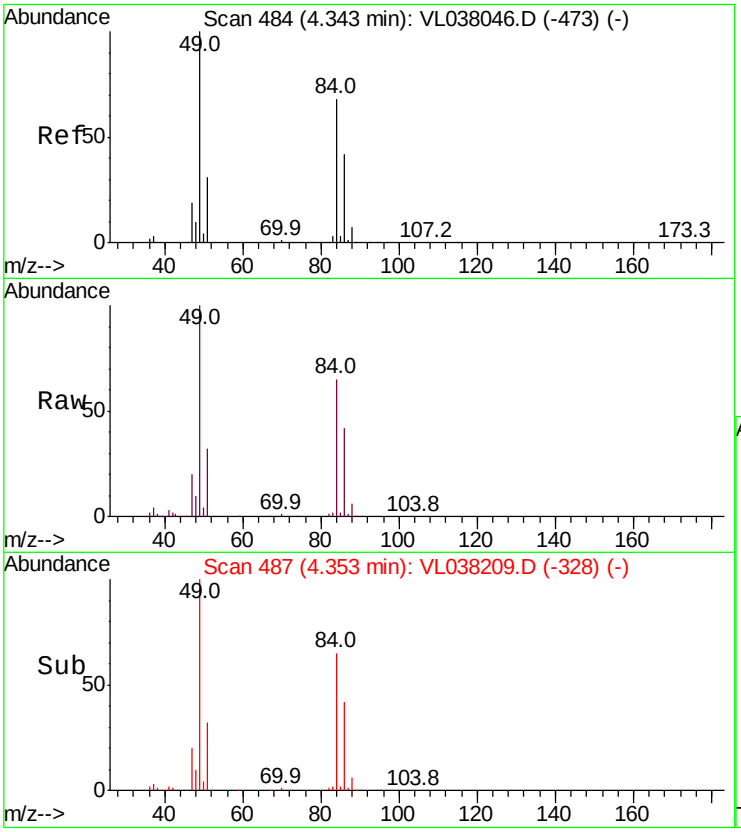


#19
Isopropyl Alcohol
Concen: 1.058 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.02 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 45 Resp: 50994

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#



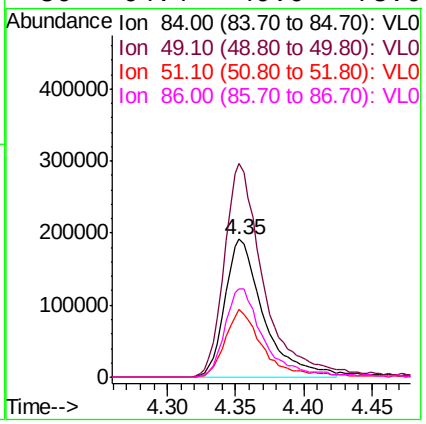


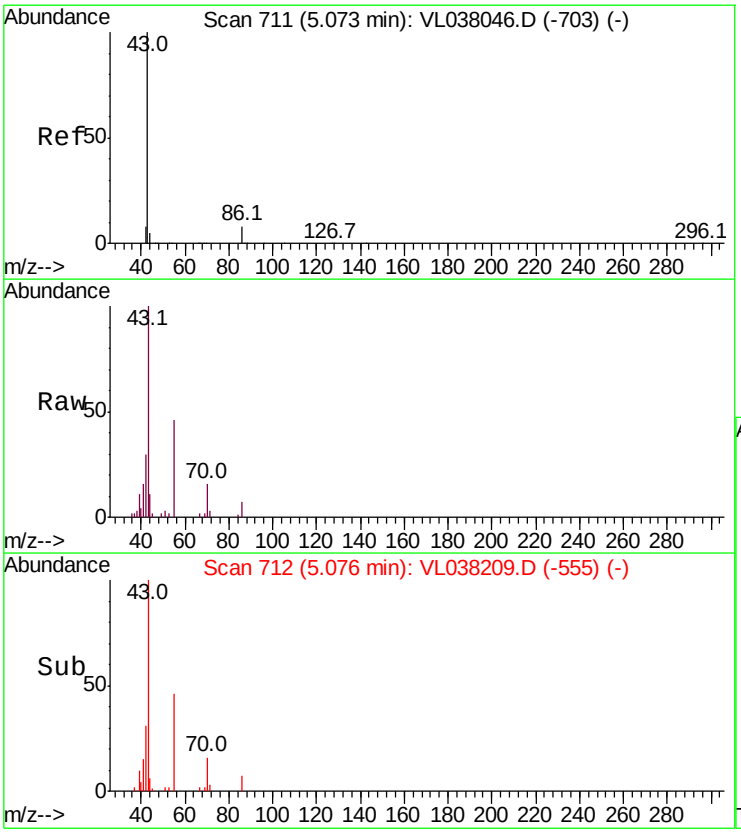
#20
Methylene Chloride
Concen: 10.092 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 377139

Ion	Ratio	Lower	Upper
84	100		
49	154.9	118.2	177.2
51	48.9	36.8	55.2
86	64.4	49.0	73.6

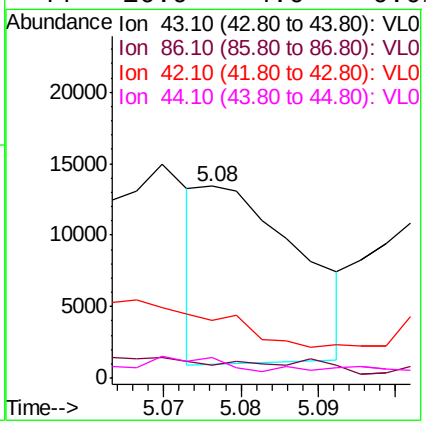


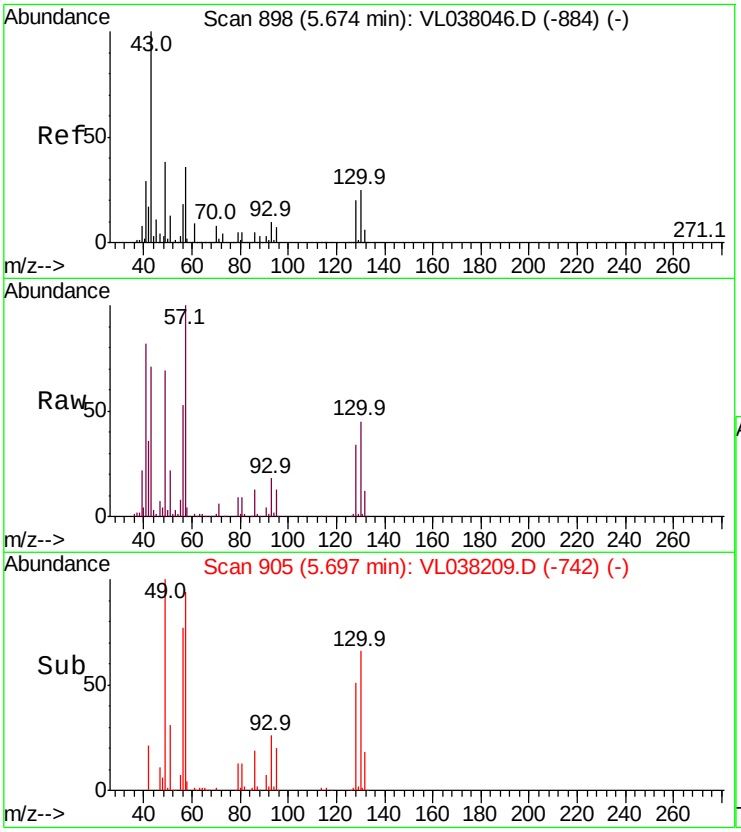


#23
Vinyl Acetate
Concen: 0.113 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.00 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 43 Resp: 10879

Ion	Ratio	Lower	Upper
43	100		
86	0.7	5.3	7.9#
42	28.5	7.0	10.6#
44	16.9	4.0	6.0#



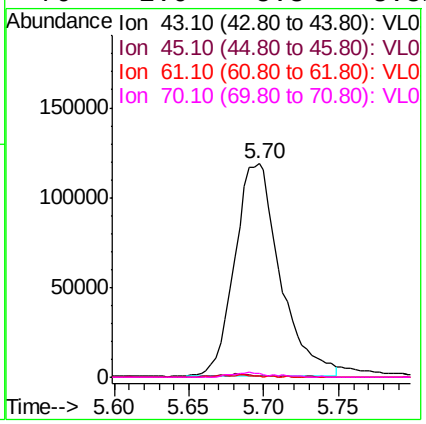


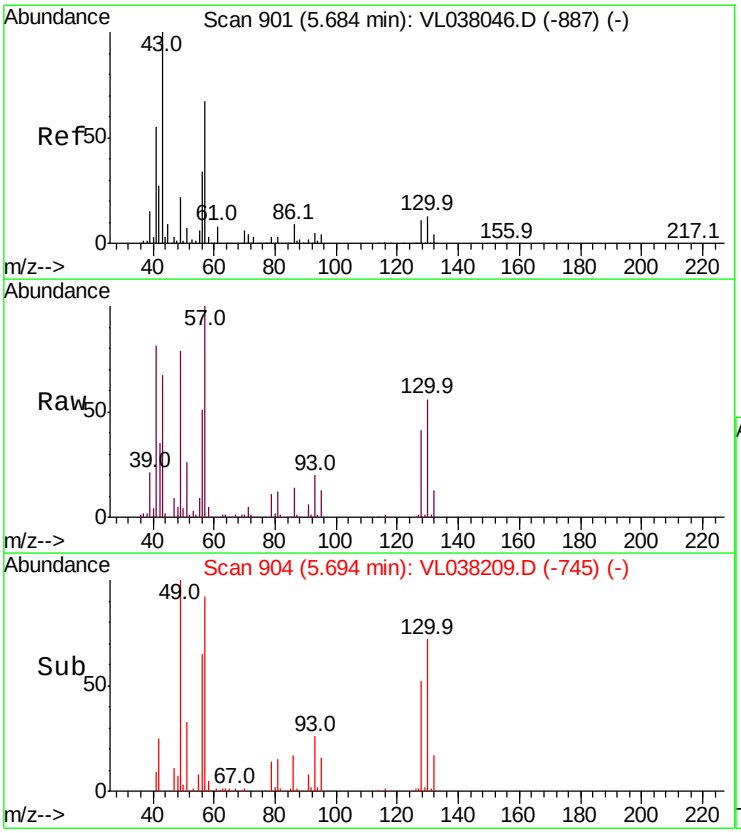
#25
Ethyl Acetate
Concen: 1.132 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 250990

Ion	Ratio	Lower	Upper
43	100		
45	1.6	7.9	11.9#
61	1.0	7.8	11.6#
70	2.0	5.8	8.8#

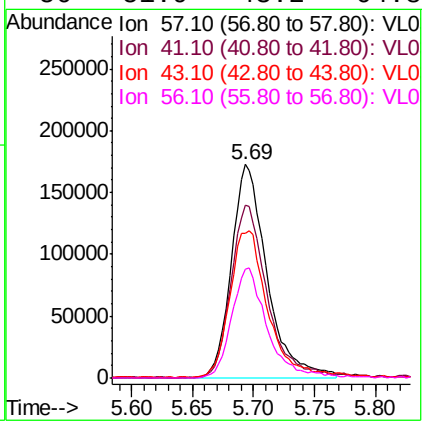


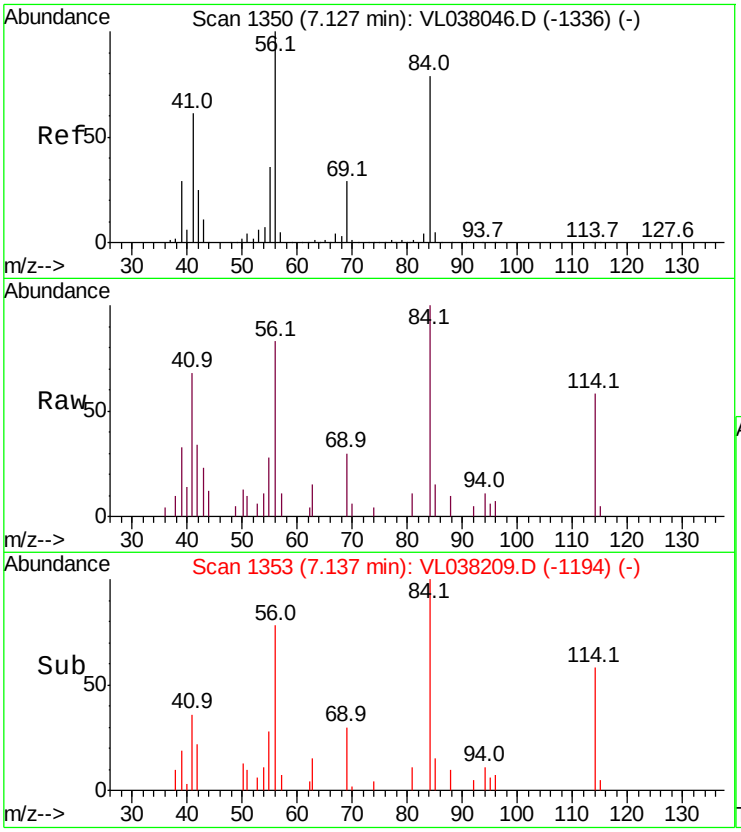


#26
Hexane
Concen: 3.281 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 57 Resp: 350708

Ion	Ratio	Lower	Upper
57	100		
41	83.9	71.4	107.2
43	74.0	174.6	261.8#
56	51.9	43.2	64.8



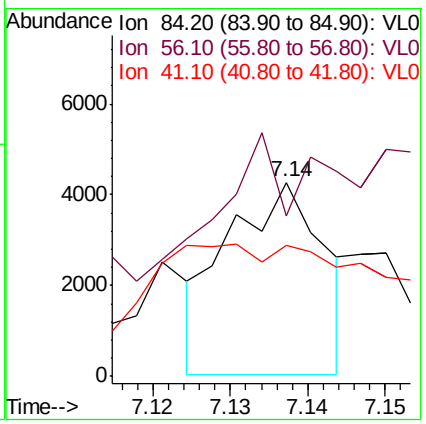


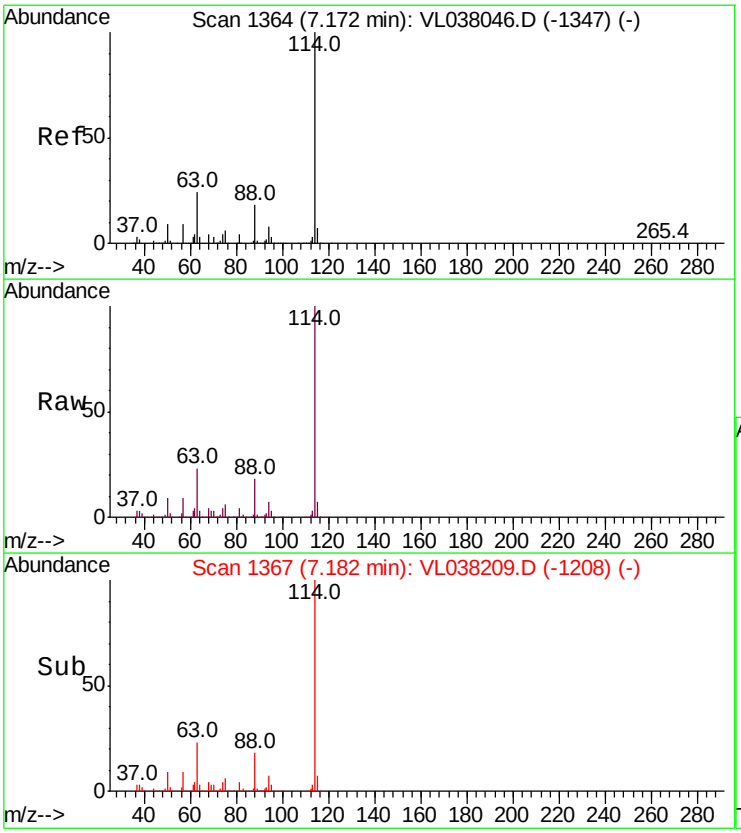
#30
Cyclohexane
Concen: 0.038 ppbv
RT: 7.14
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3673

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.1	162.1#
41	198.9	64.4	96.6#

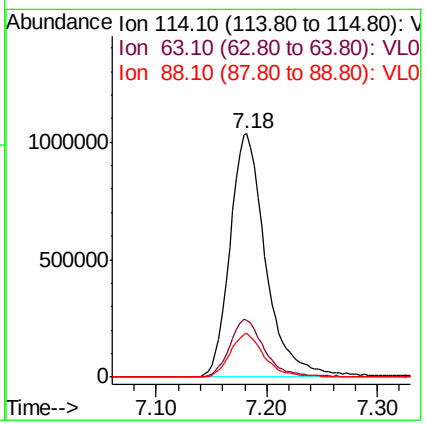


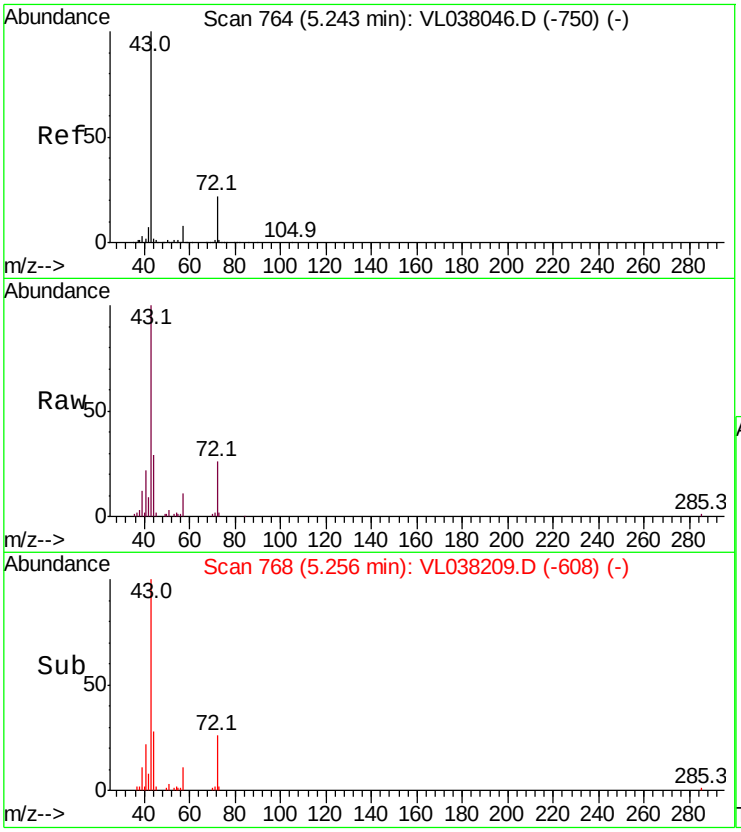


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion:114 Resp: 2316345

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.7	29.5
88	17.6	14.4	21.6



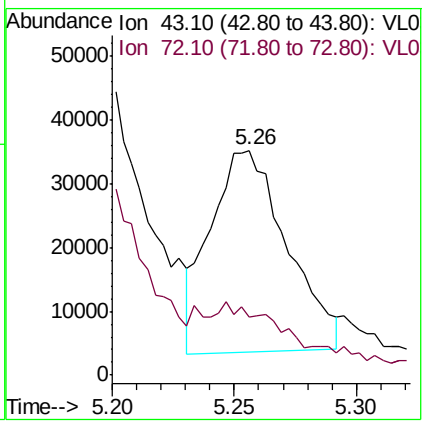


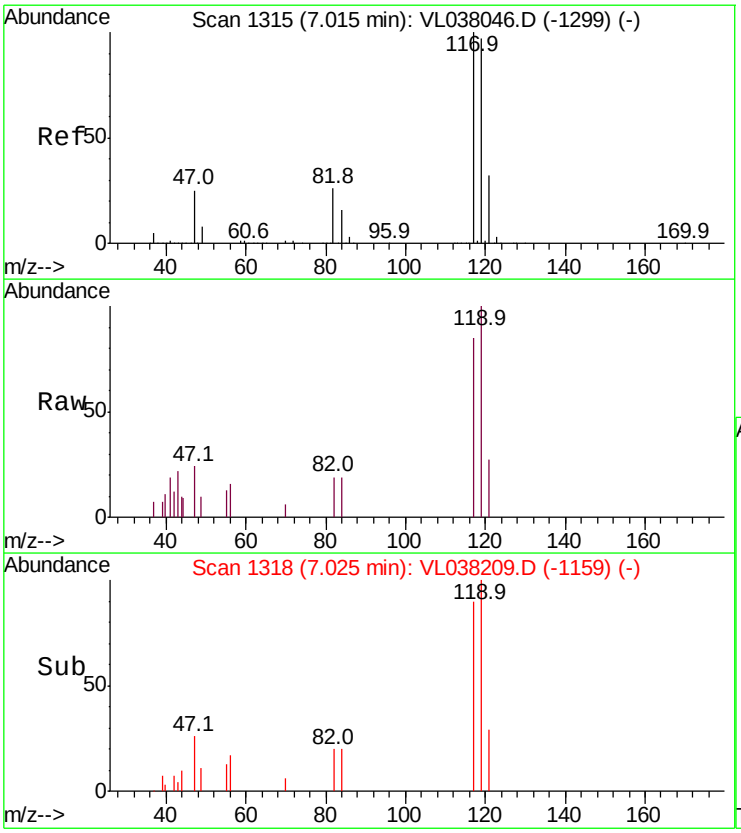
#34
2-Butanone
Concen: 0.738 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 68965

Ion	Ratio	Lower	Upper
43	100		
72	42.0	18.8	28.2#

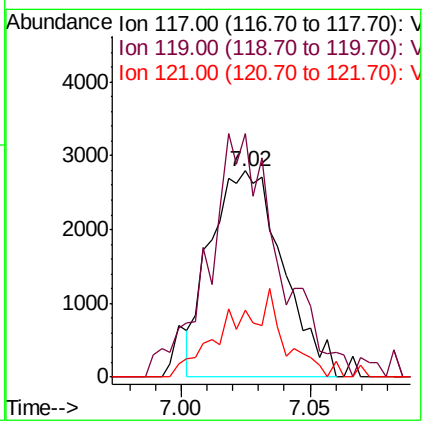


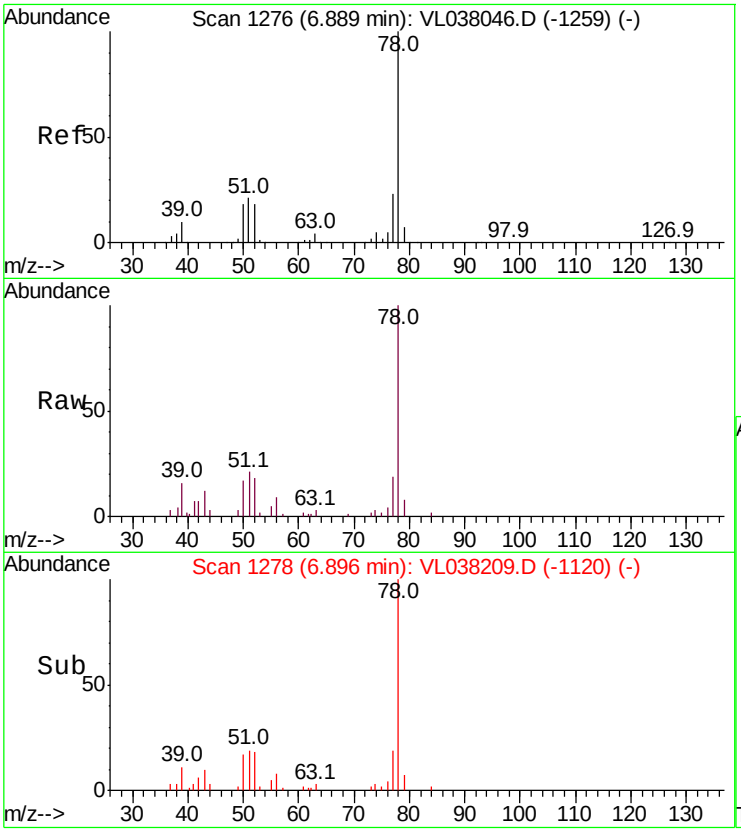


#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion:117 Resp: 5467

Ion	Ratio	Lower	Upper
117	100		
119	105.8	77.7	116.5
121	24.4	25.6	38.4#



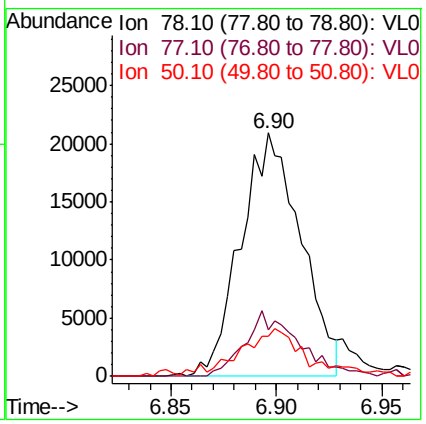


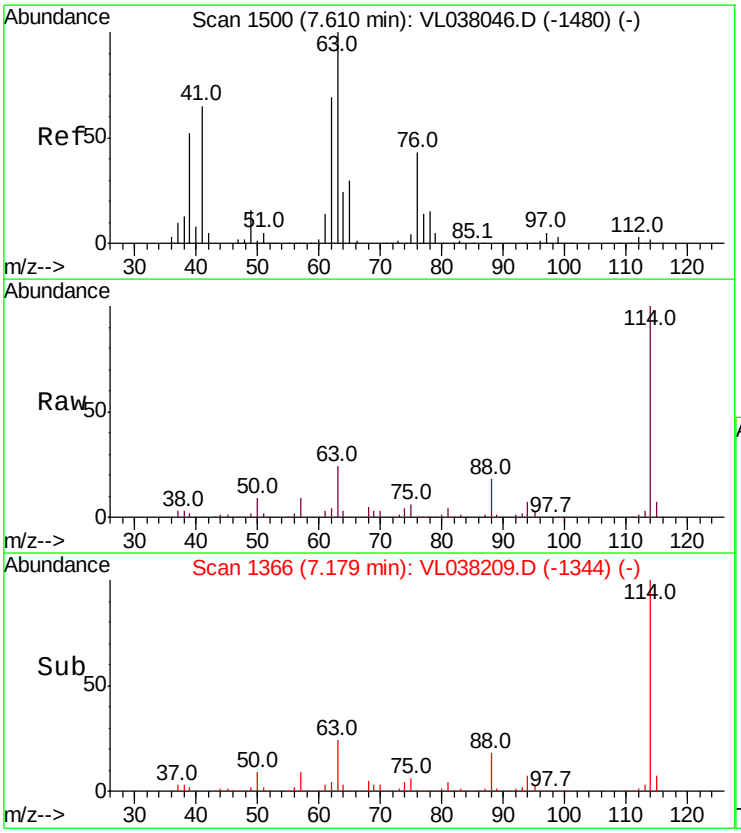
#36
Benzene
Concen: 0.179 ppbv
RT: 6.90
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 41415

Ion	Ratio	Lower	Upper
78	100		
77	19.3	18.2	27.4
50	13.9	14.7	22.1#

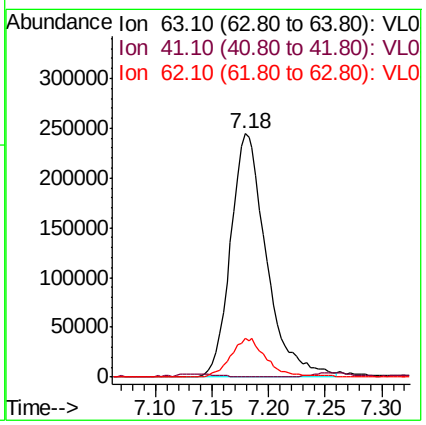


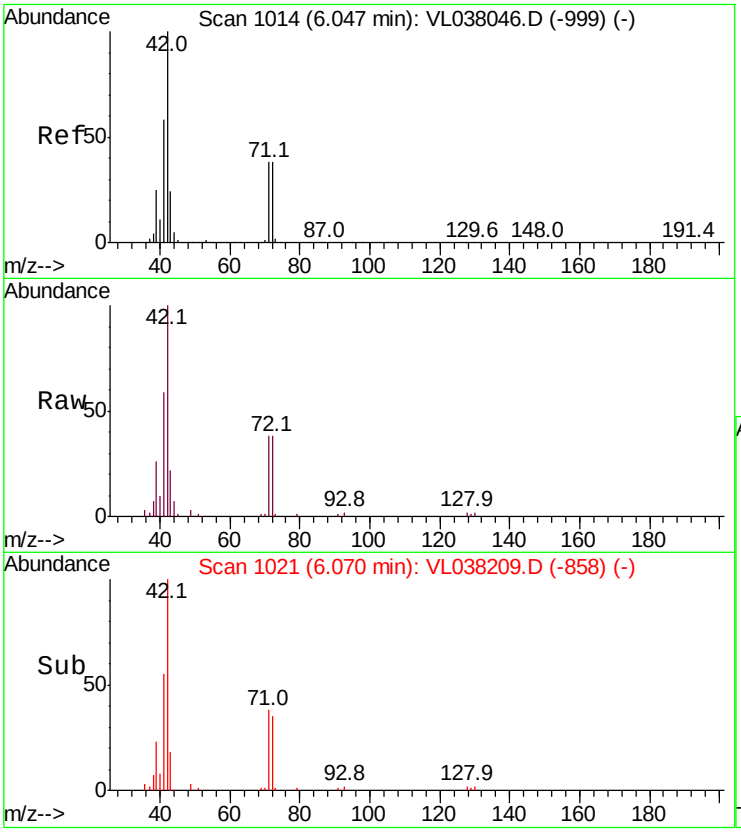


#39
1,2-Dichloropropane
Concen: 6.083 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 63 Resp: 539125

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	15.8	55.1	82.7#



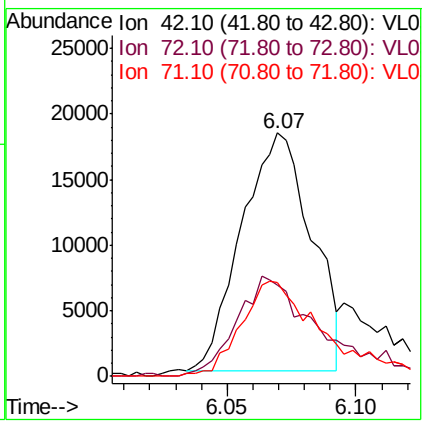


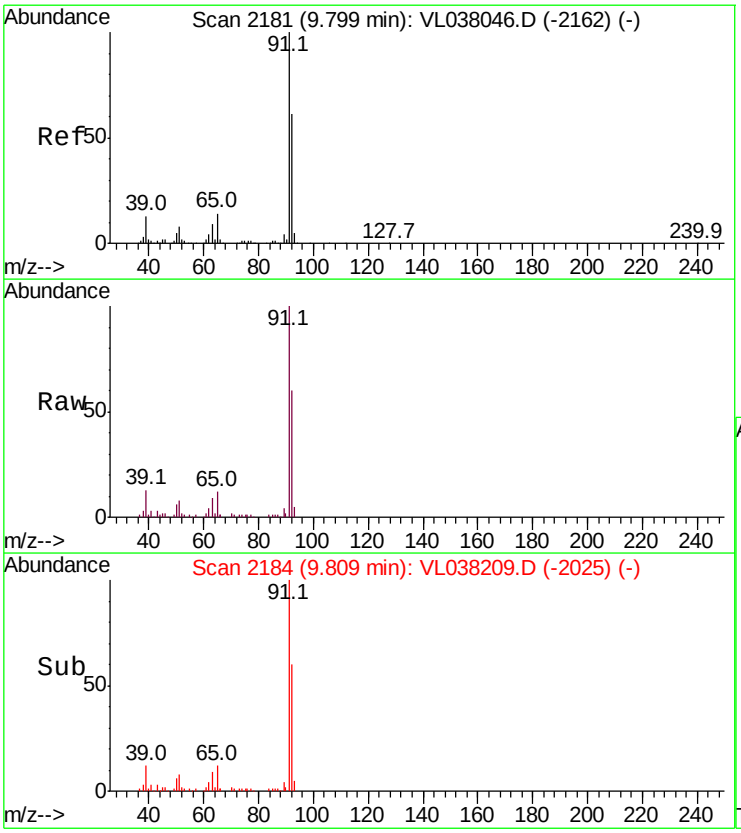
#41
Tetrahydrofuran
Concen: 0.590 ppbv
RT: 6.07
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 34200

Ion	Ratio	Lower	Upper
42	100		
72	50.2	31.7	47.5#
71	51.2	30.6	46.0#

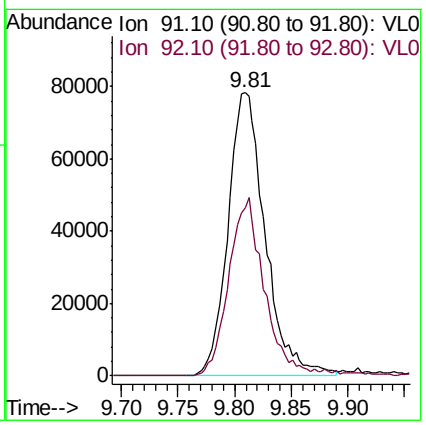


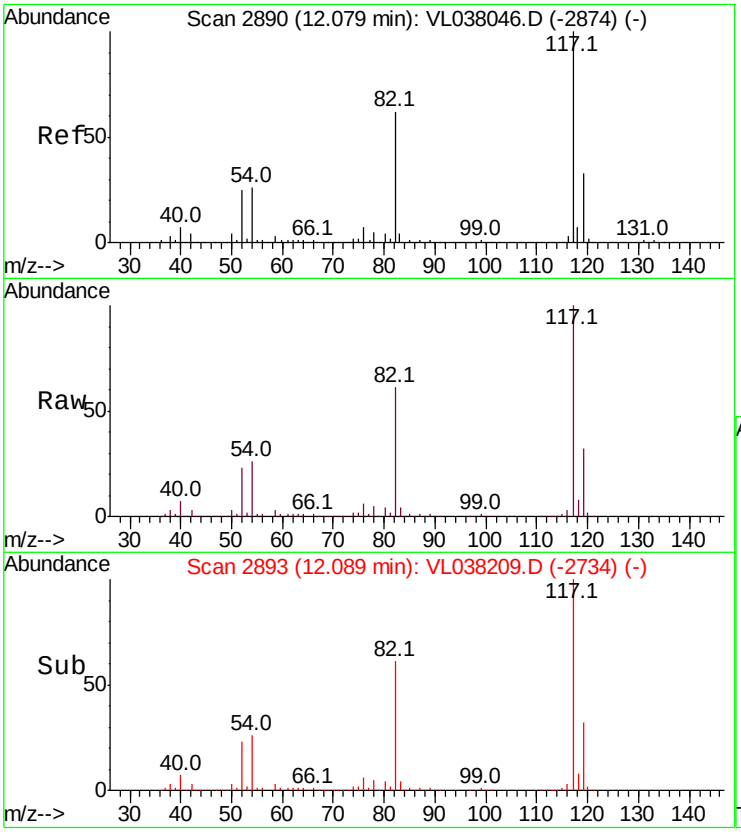


#53
Toluene
Concen: 0.673 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 91 Resp: 179043

Ion	Ratio	Lower	Upper
91	100		
92	61.7	49.7	74.5



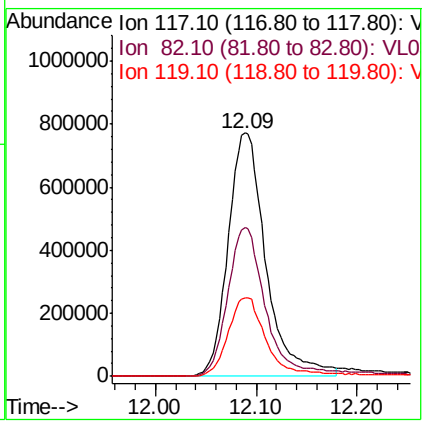


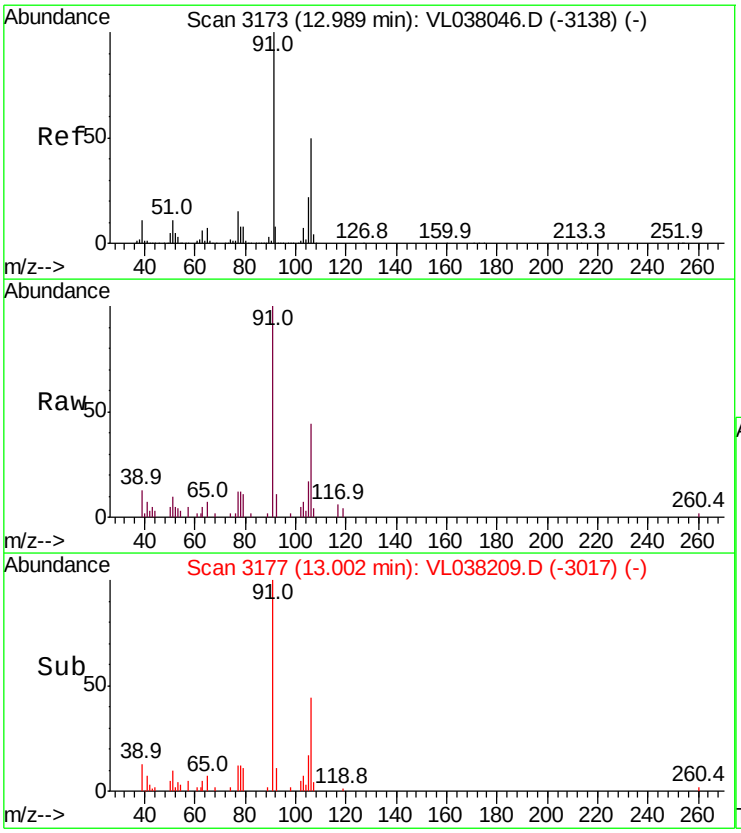
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2014241

Ion	Ratio	Lower	Upper
117	100		
82	63.4	52.8	79.2
119	34.1	26.8	40.2

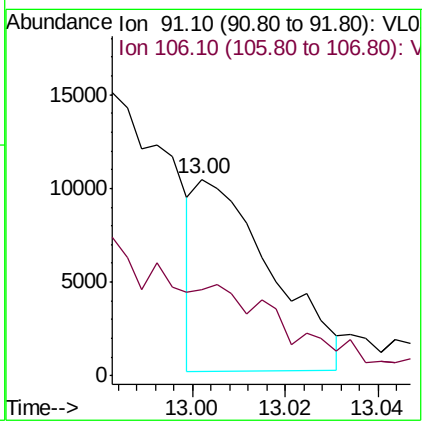


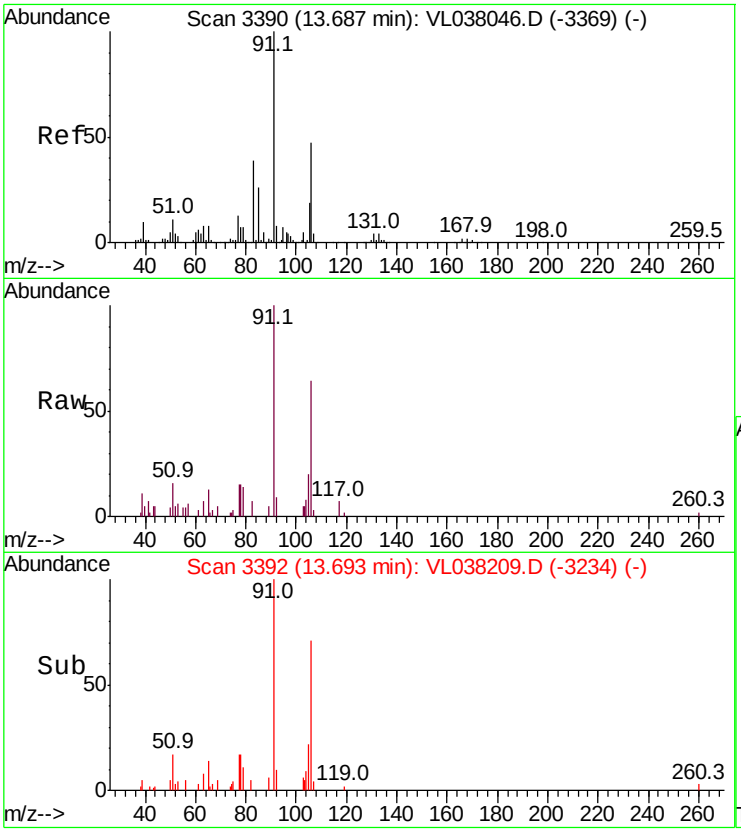


#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 91 Resp: 11586

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.1	57.1#



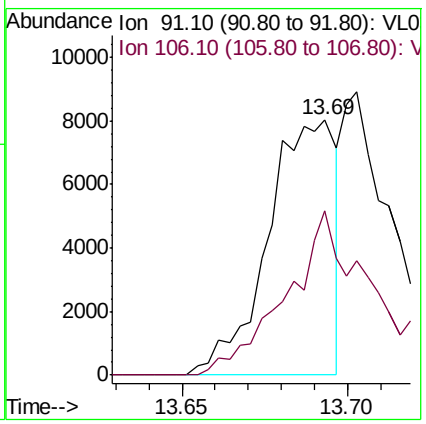


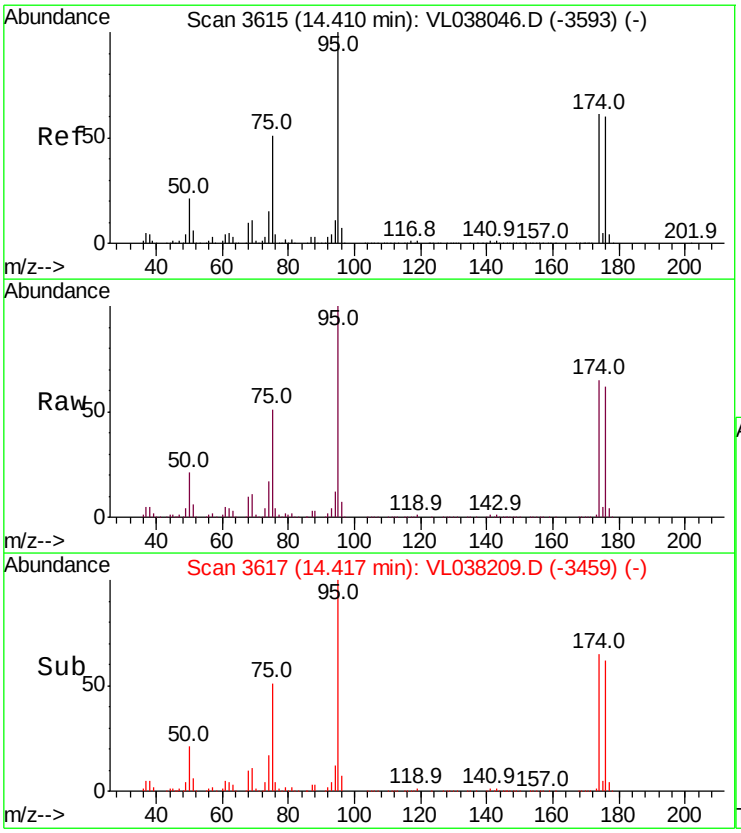
#60
o-Xylene
Concen: 0.044 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 11488

Ion	Ratio	Lower	Upper
91	100		
106	89.4	24.2	72.6#

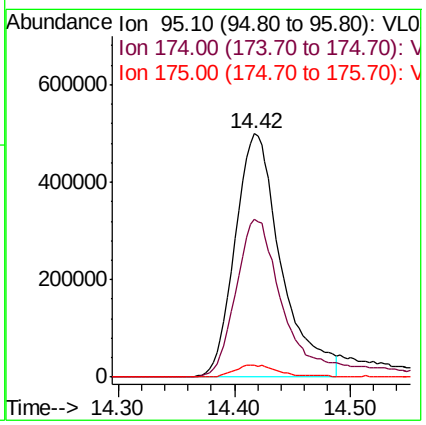


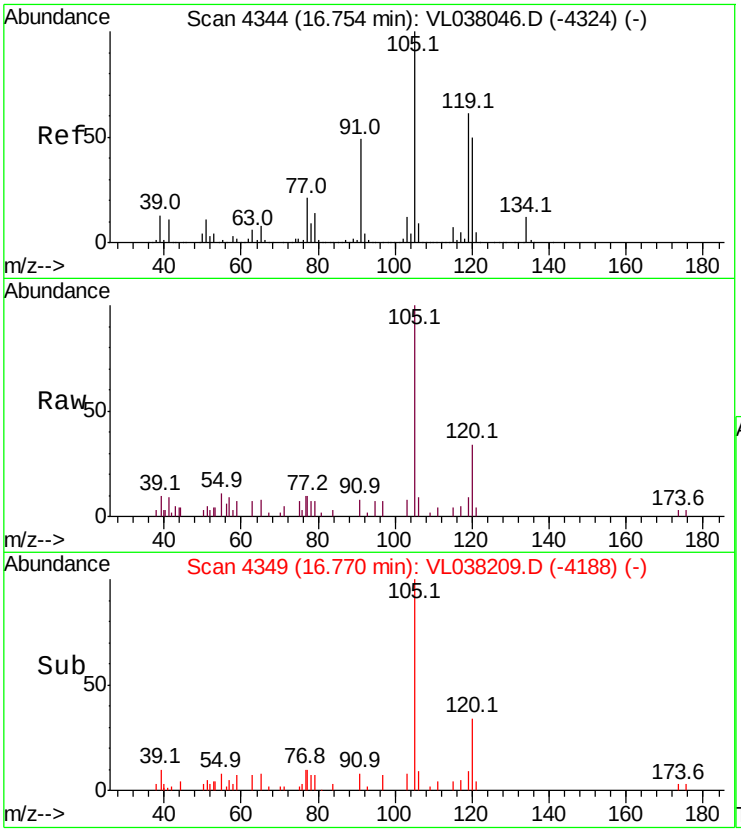


#68
1-Bromo-4-Fluorobenzene
Concen: 9.494 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.01 min
Lab File: VL038209.D
Acq: 17 Dec 2021 4:17

Tgt Ion: 95 Resp: 1379393

Ion	Ratio	Lower	Upper
95	100		
174	72.6	53.1	79.7
175	4.9	4.0	6.0





#74
1,2,4-Trimethylbenzene
Concen: 0.058 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 17 Dec 2021 4:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 16493

Ion	Ratio	Lower	Upper
105	100		
120	37.6	40.1	60.1#
91	5.1	39.8	59.8#
77	16.1	16.6	25.0#