Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038207.D
Acq On : 17 Dec 2021 2:57
Operator : SY/AP
Sample : M5119-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 04:08:27 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	816490	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2497191	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2133714	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1710605	11.11	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	14942132	110.790	ppbv	#	63
3) Chlorodifluoromethane	3.00	51	306485	1.787	ppbv		96
4) Chloromethane	3.15	50	32529	0.557	ppbv	#	57
5) Vinyl Chloride	3.27	62	3561	0.062	ppbv		95
7) Chloroethane	3.56	64	723	0.036	ppbv	#	41
8) Dichlorotetrafluoroethane	3.06	85	14942132	111.372	ppbv	#	13
9) Propene	3.21	41	622773	9.862	ppbv		84
10) Heptane	8.13	43	819022	5.248	ppbv		100
11) Trichlorofluoromethane	3.96	101	5050	0.039	ppbv		86
13) Ethanol	3.61	45	13846	2.269	ppbv	#	50
15) Acetone	3.85	43	1013683	14.319	ppbv		92
16) 1,3-Butadiene	3.32	39	437050	7.914	ppbv	#	39
17) tert-Butyl alcohol	4.30	59	3174	0.037	ppbv	#	71
19) Isopropyl Alcohol	3.98	45	454481	8.885	ppbv	#	1
20) Methylene Chloride	4.35	84	162625	4.101	ppbv		99
23) Vinyl Acetate	5.11	43	11856	0.116	ppbv	#	44
25) Ethyl Acetate	5.69	43	120655	0.513	ppbv	#	88
26) Hexane	5.70	57	123535	1.089	ppbv	#	54
27) Carbon Disulfide	4.56	76	4342	0.043	ppbv	#	64
30) Cyclohexane	7.13	84	3714	0.036	ppbv	#	1
34) 2-Butanone	5.25	43	437641	4.346	ppbv		96
36) Benzene	6.90	78	71872	0.289	ppbv		95
39) 1,2-Dichloropropane	7.18	63	572394	5.990	ppbv	#	27
43) Methyl Methacrylate	8.02	69	20619	0.242	ppbv		81
47) 1,1,2-Trichloroethane	9.57	97	15820	0.158	ppbv	#	61
50) 4-Methyl-2-Pentanone	8.77	43	100672	0.658	ppbv		93
51) 2-Hexanone	10.12	43	3298755	45.851	ppbv	#	27
53) Toluene	9.81	91	104507	0.365	ppbv		98
57) Chlorobenzene	12.20	112	965492	5.049	ppbv	#	32
58) Ethyl Benzene	12.72	91	3789156	10.744	ppbv		100
59) m/p-Xylene	12.98	91	5706041	19.221	ppbv		93
60) o-Xylene	13.70	91	1340756	4.868	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.67	83	72701	0.355	ppbv	#	54
69) p-Isopropyltoluene	17.65	119	17891	0.048	ppbv	#	46

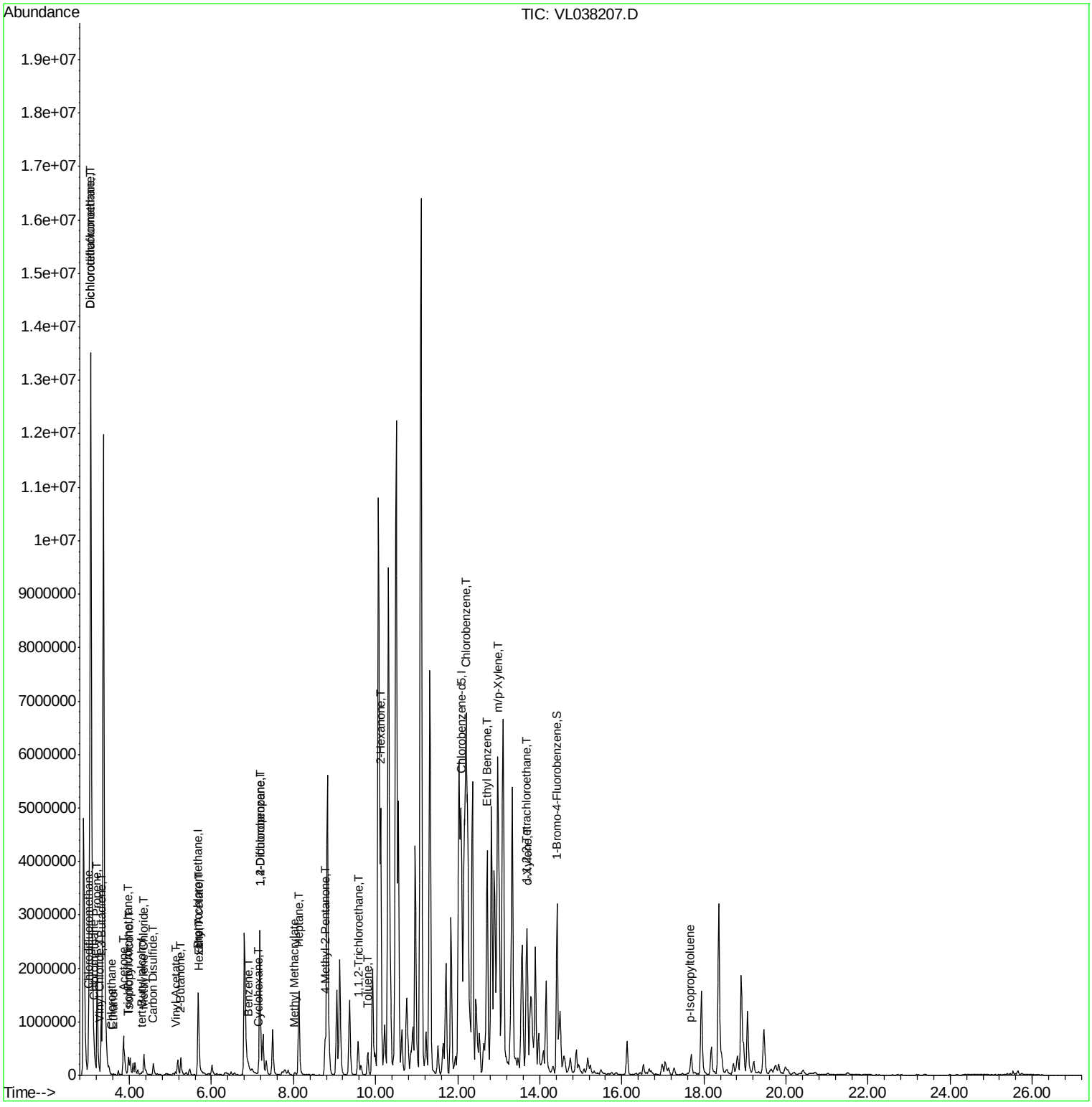
(#) = qualifier out of range (m) = manual integration (+) = signals summed

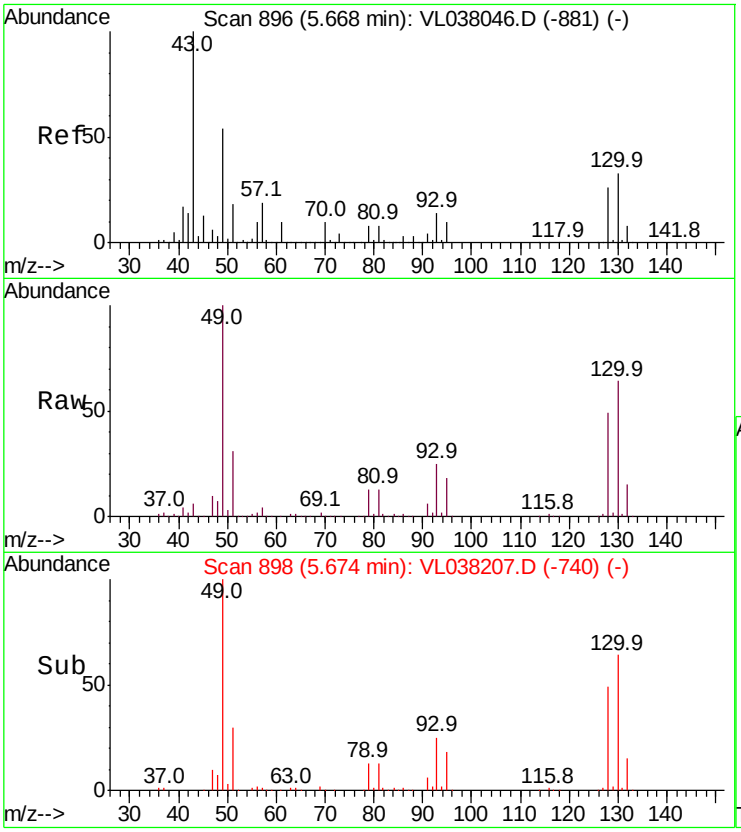
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038207.D
Acq On : 17 Dec 2021 2:57
Operator : SY/AP
Sample : M5119-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 04:08:27 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



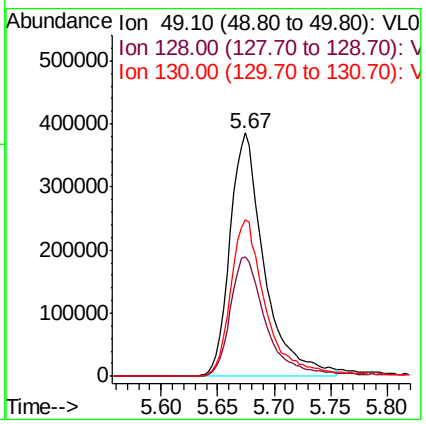


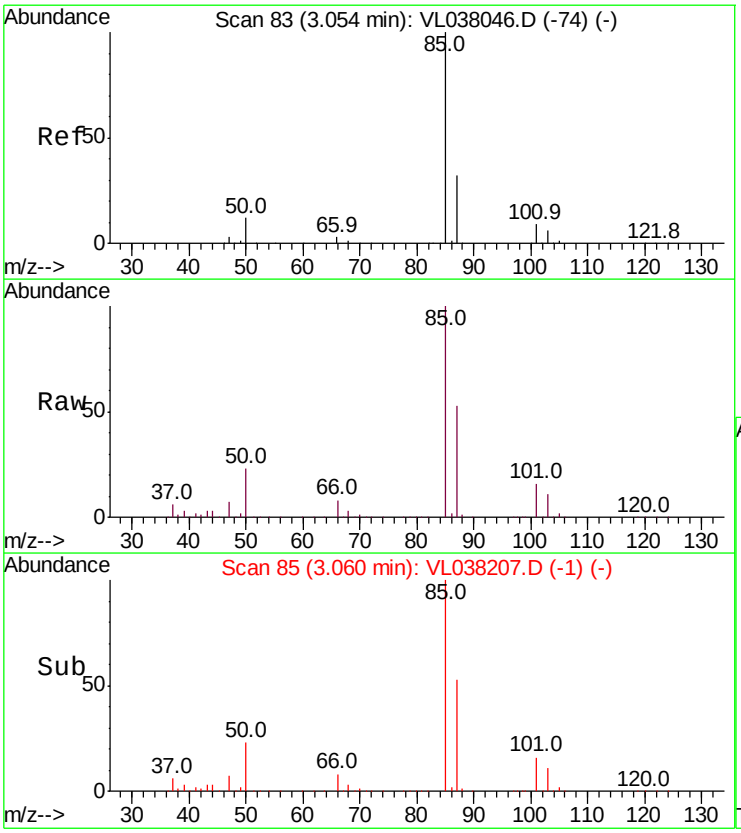
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 816490

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.5	79.5
130	67.1	32.5	97.4

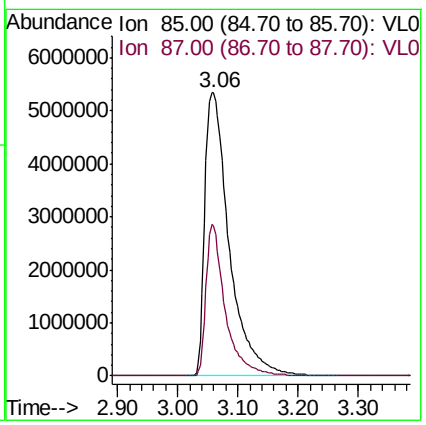


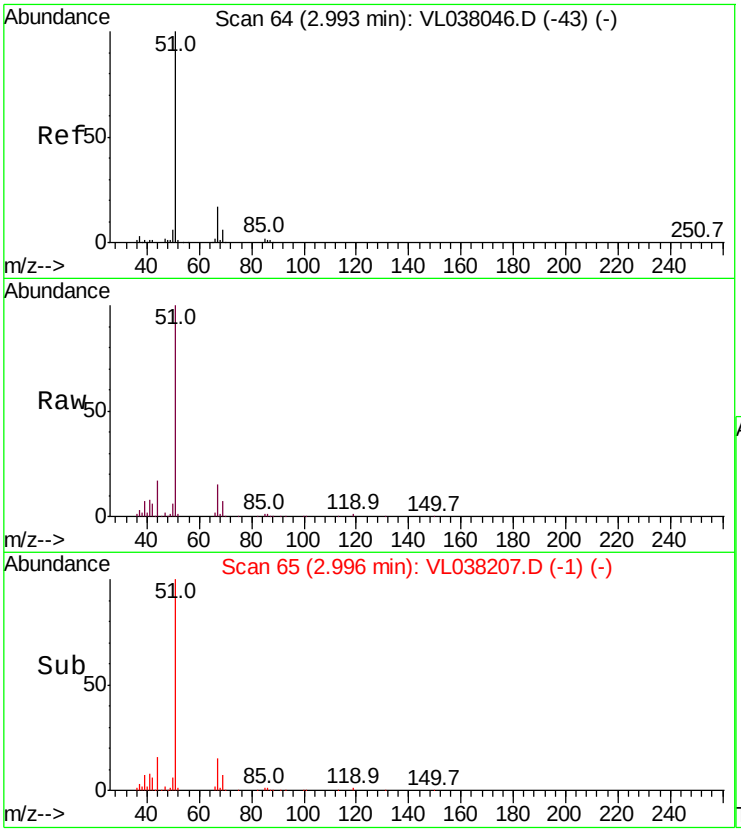


#2
Dichlorodifluoromethane
Concen: 110.790 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 85 Resp:14942132

Ion	Ratio	Lower	Upper
85	100		
87	53.1	25.8	38.6#



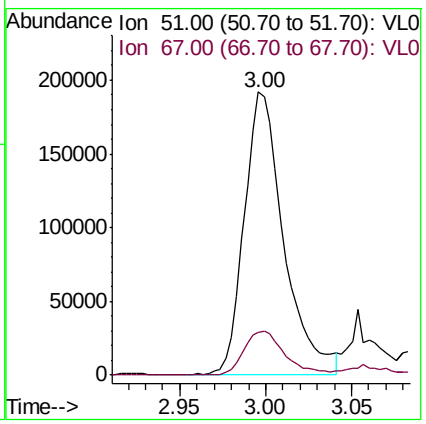


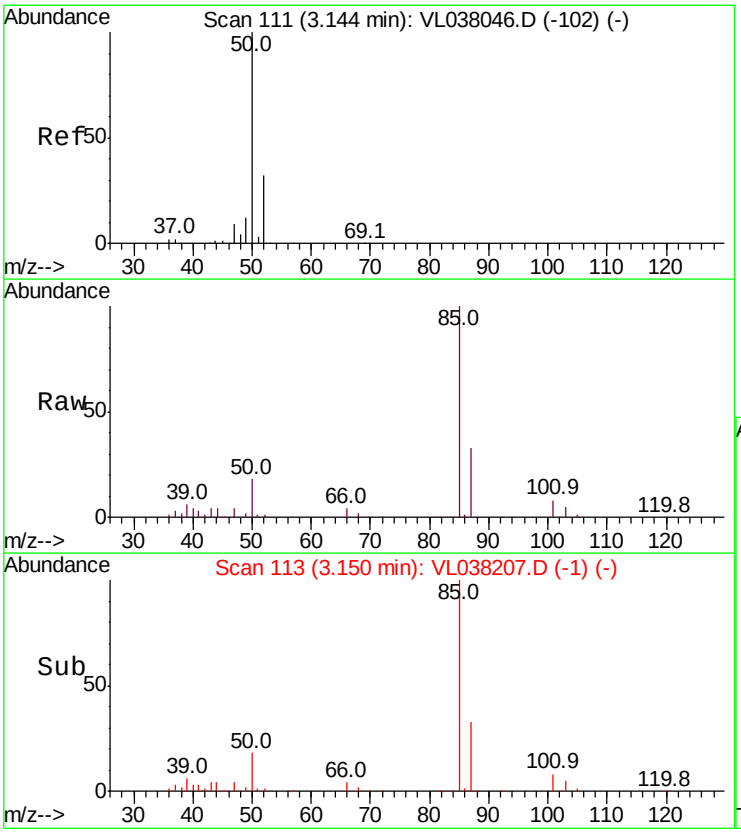
#3
Chlorodifluoromethane
Concen: 1.787 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 306485

Ion	Ratio	Lower	Upper
51	100		
67	15.8	13.8	20.8

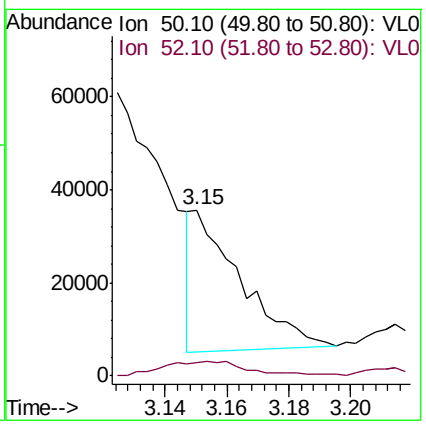


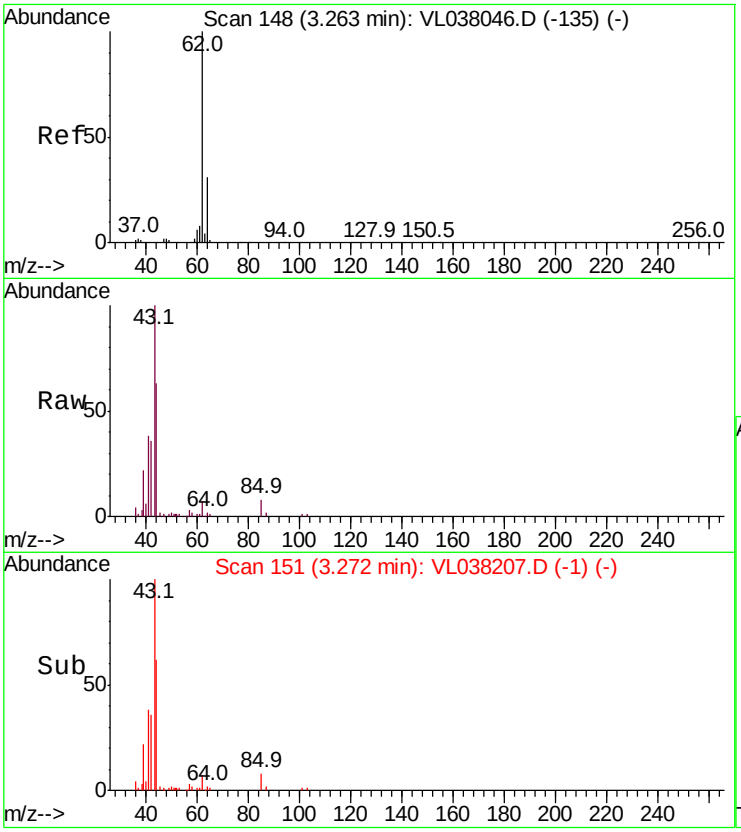


#4
Chloromethane
Concen: 0.557 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 50 Resp: 32529

Ion	Ratio	Lower	Upper
50	100		
52	7.8	25.4	38.0#



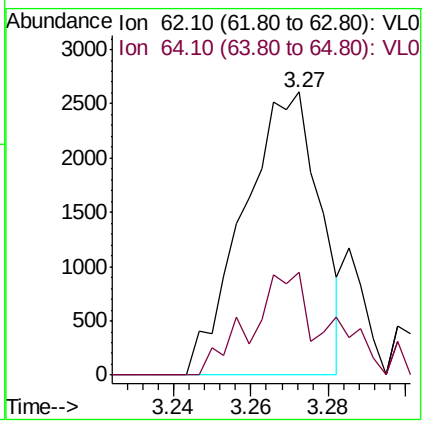


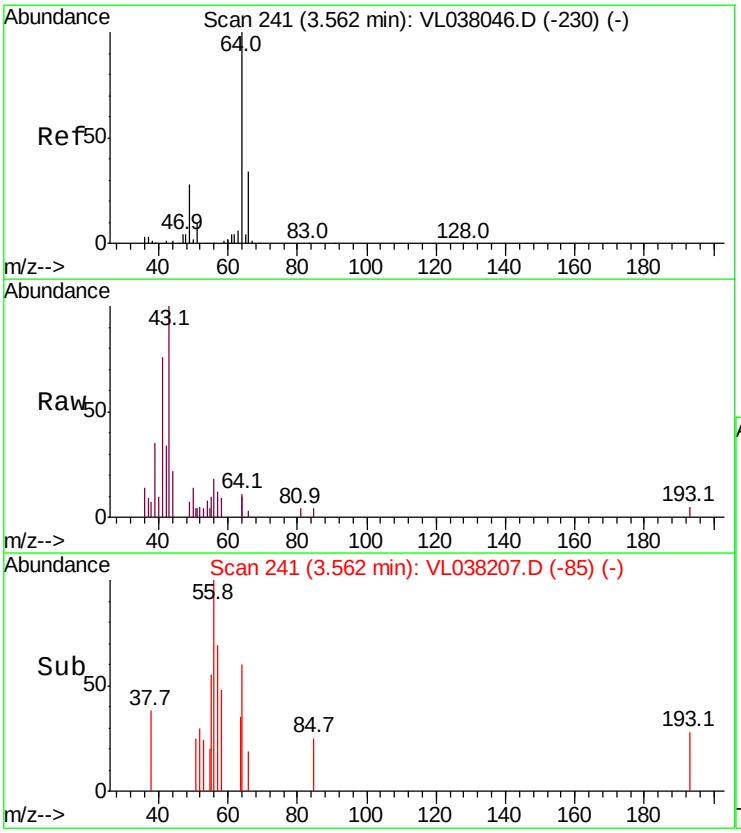
#5
Vinyl Chloride
Concen: 0.062 ppbv
RT: 3.27
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 3561

Ion	Ratio	Lower	Upper
62	100		
64	34.1	25.1	37.7

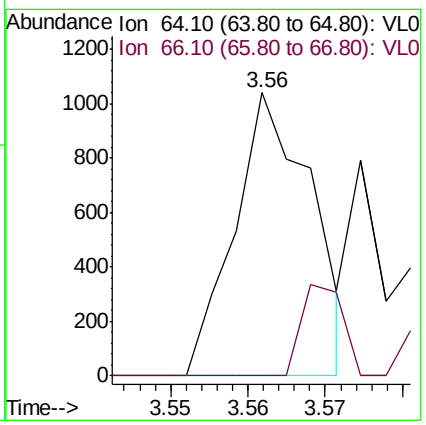


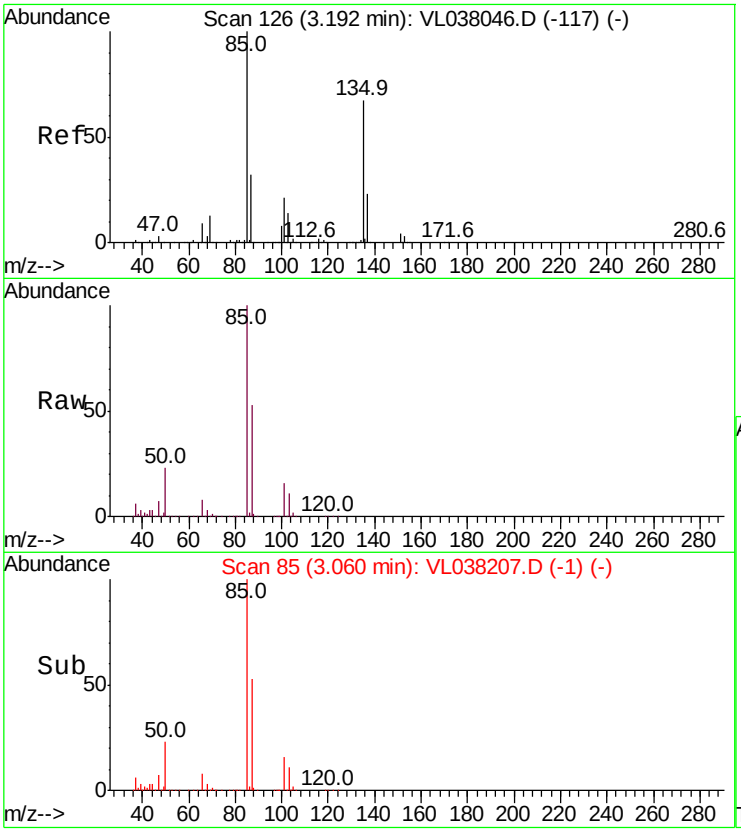


#7
Chloroethane
Concen: 0.036 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 64 Resp: 723

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.2	40.8#



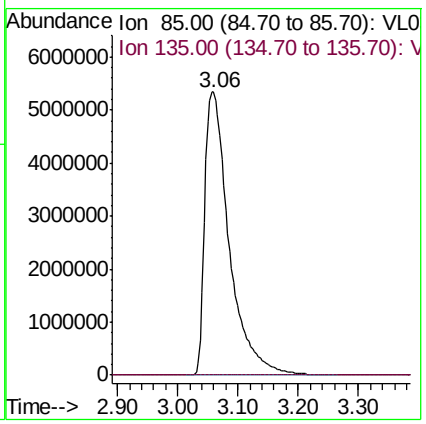


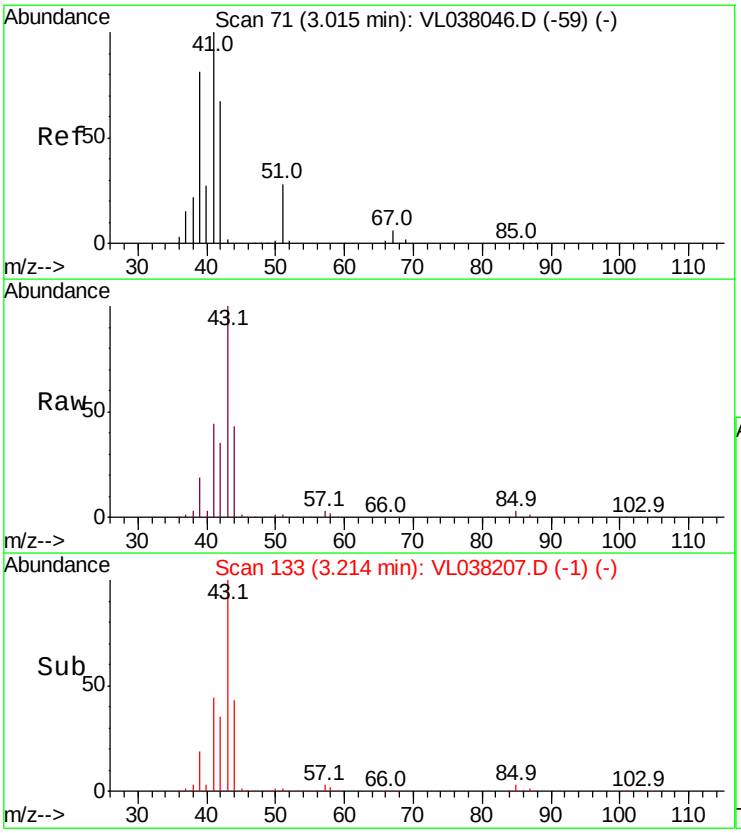
#8
Dichlorotetrafluoroethane
Concen: 111.372 ppbv
RT: 3.06
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp:14942132

Ion	Ratio	Lower	Upper
85	100		
135	0.0	57.9	86.9#

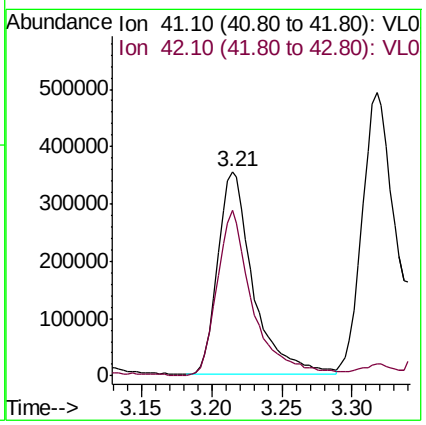


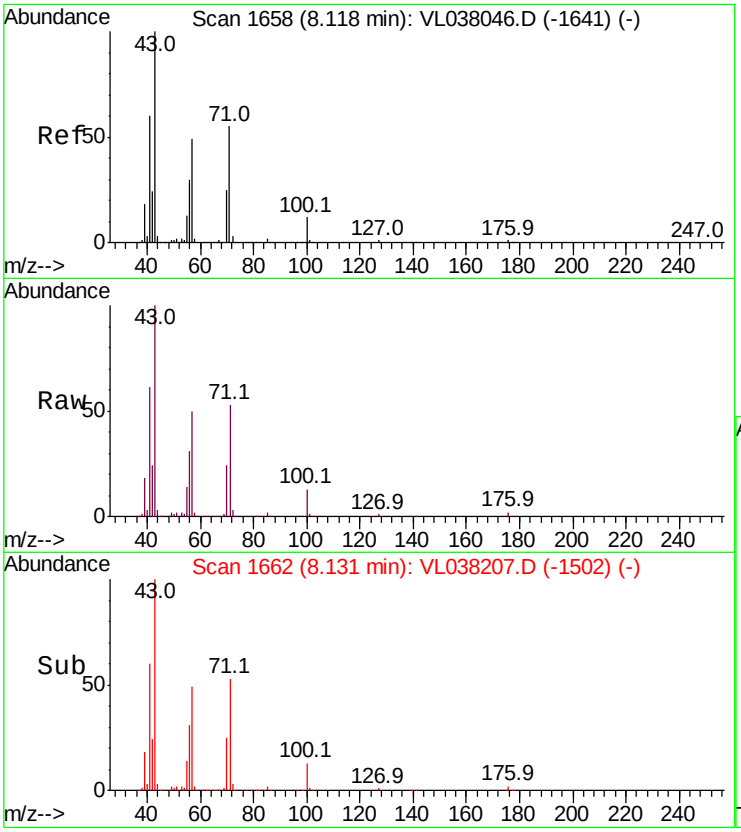


#9
Propene
Concen: 9.862 ppbv
RT: 3.21 min Scan# 133
Delta R.T. 0.20 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 41 Resp: 622773

Ion	Ratio	Lower	Upper
41	100		
42	79.8	53.8	80.8



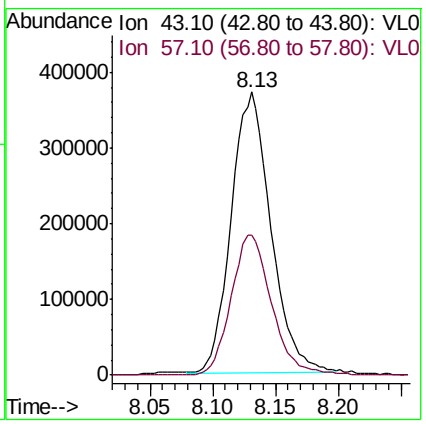


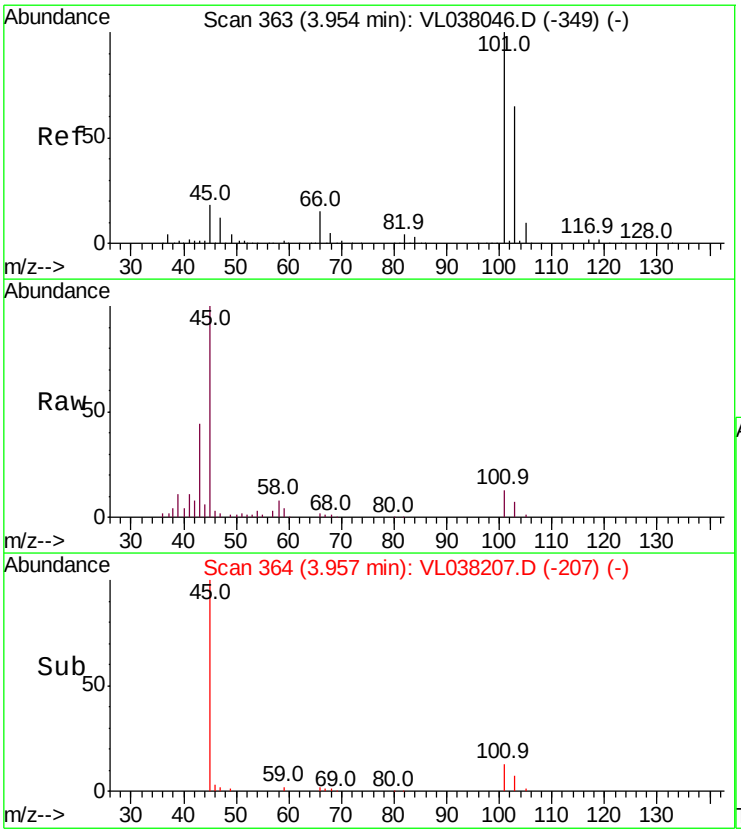
#10
Heptane
Concen: 5.248 ppbv
RT: 8.13
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 819022

Ion	Ratio	Lower	Upper
43	100		
57	50.7	40.4	60.6

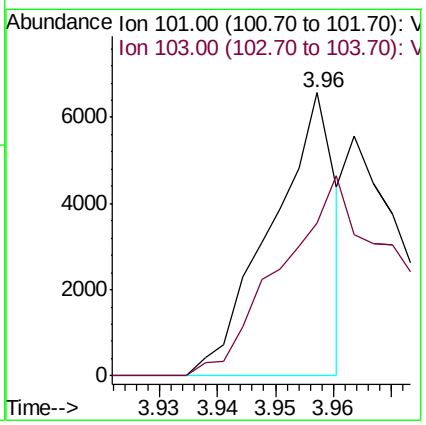


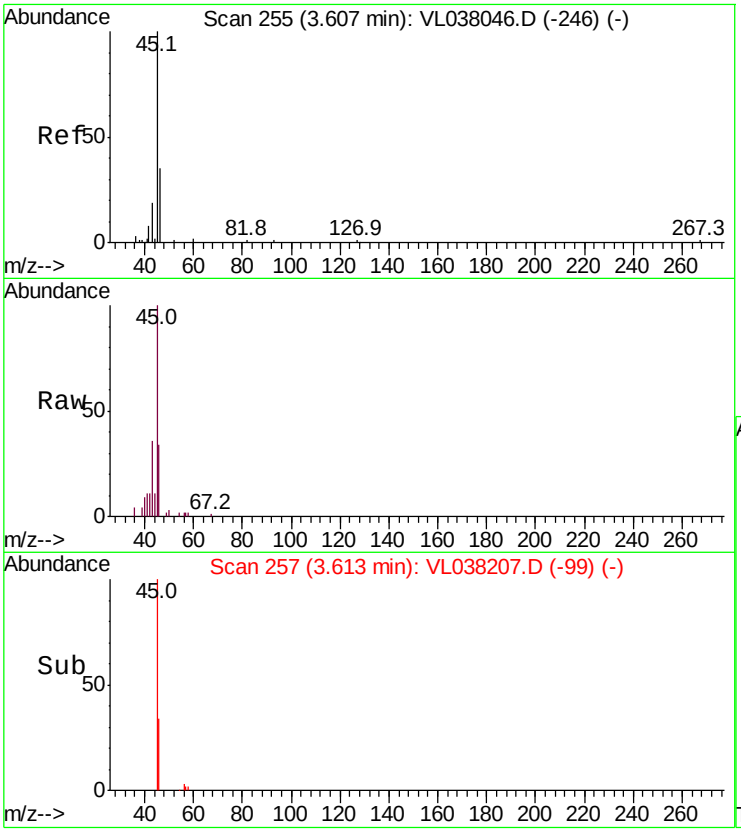


#11
Trichlorofluoromethane
Concen: 0.039 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion:101 Resp: 5050

Ion	Ratio	Lower	Upper
101	100		
103	53.8	51.8	77.6



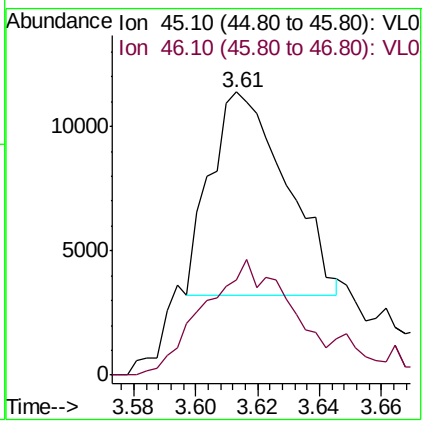


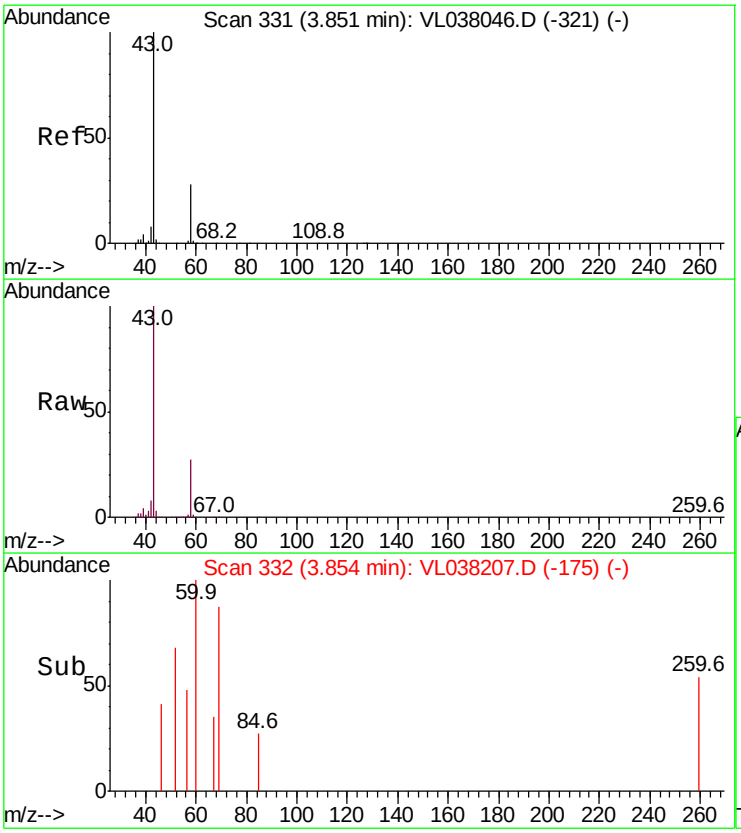
#13
Ethanol
Concen: 2.269 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 13846

Ion	Ratio	Lower	Upper
45	100		
46	75.9	17.6	70.2#

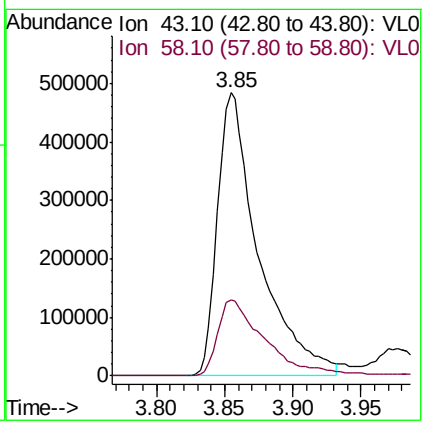


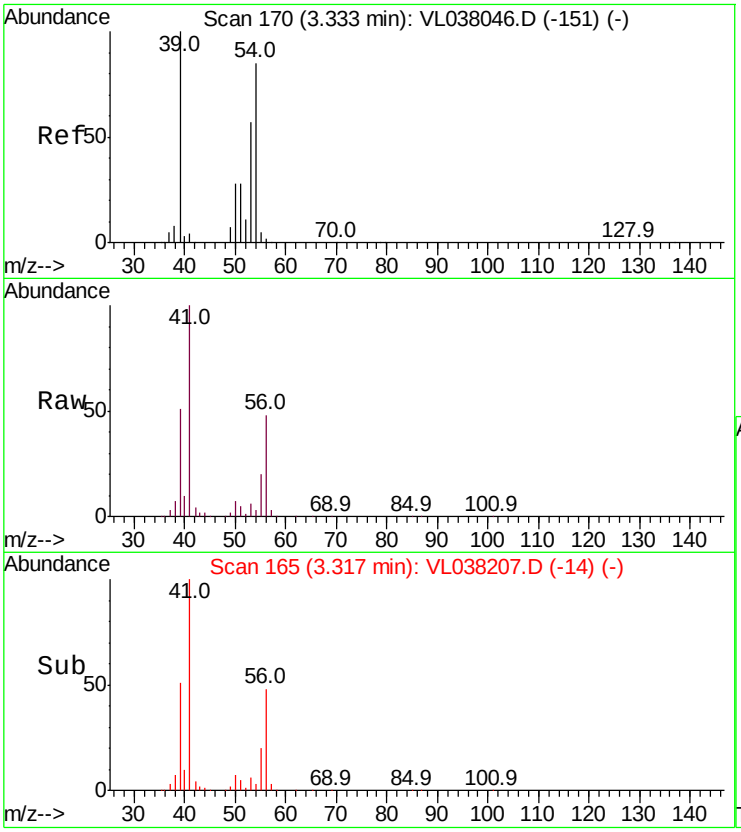


#15
Acetone
Concen: 14.319 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 43 Resp: 1013683

Ion	Ratio	Lower	Upper
43	100		
58	32.2	22.4	33.6



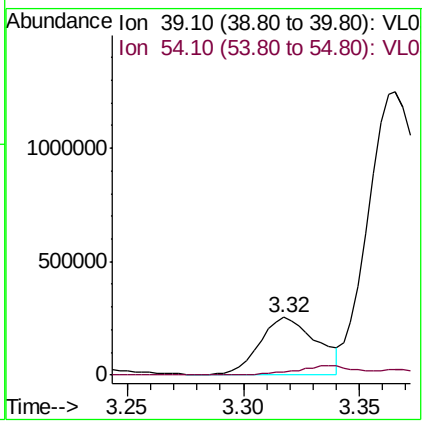


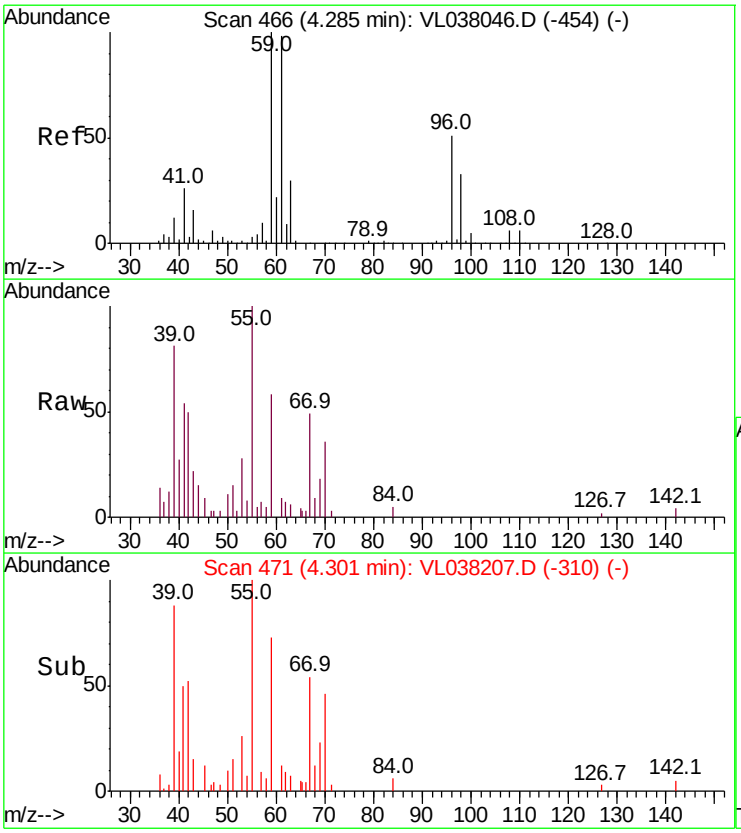
#16
1,3-Butadiene
Concen: 7.914 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 437050

Ion	Ratio	Lower	Upper
39	100		
54	26.3	64.4	96.6#

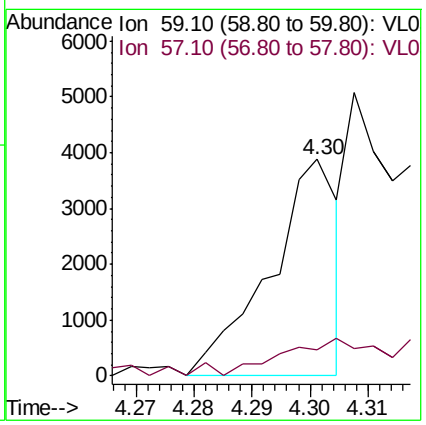


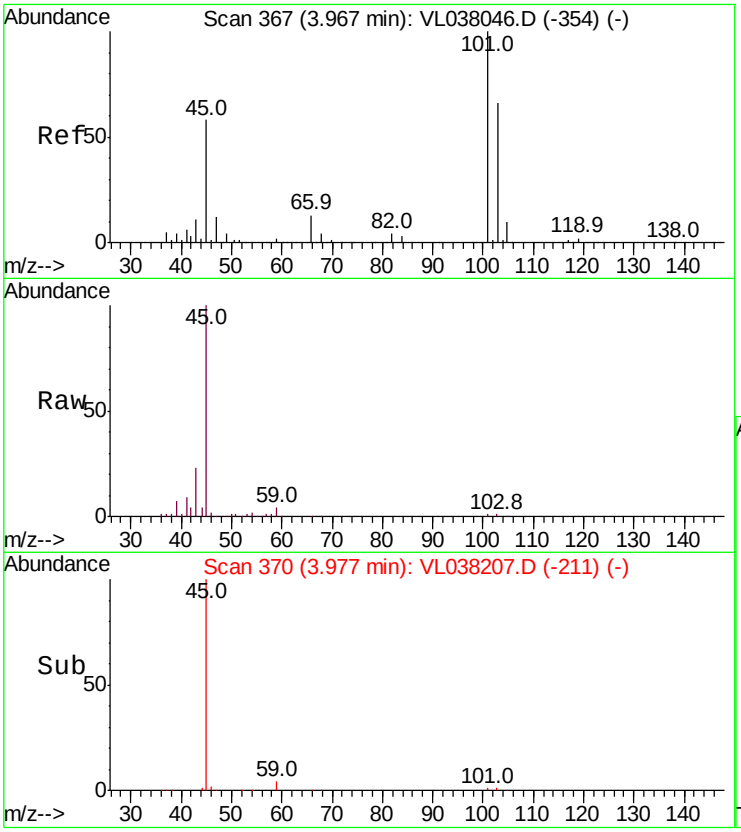


#17
tert-Butyl alcohol
Concen: 0.037 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.02 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 59 Resp: 3174

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#



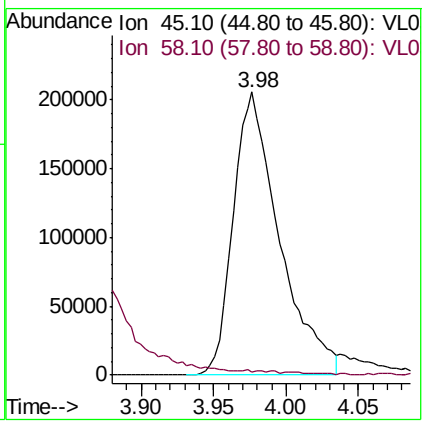


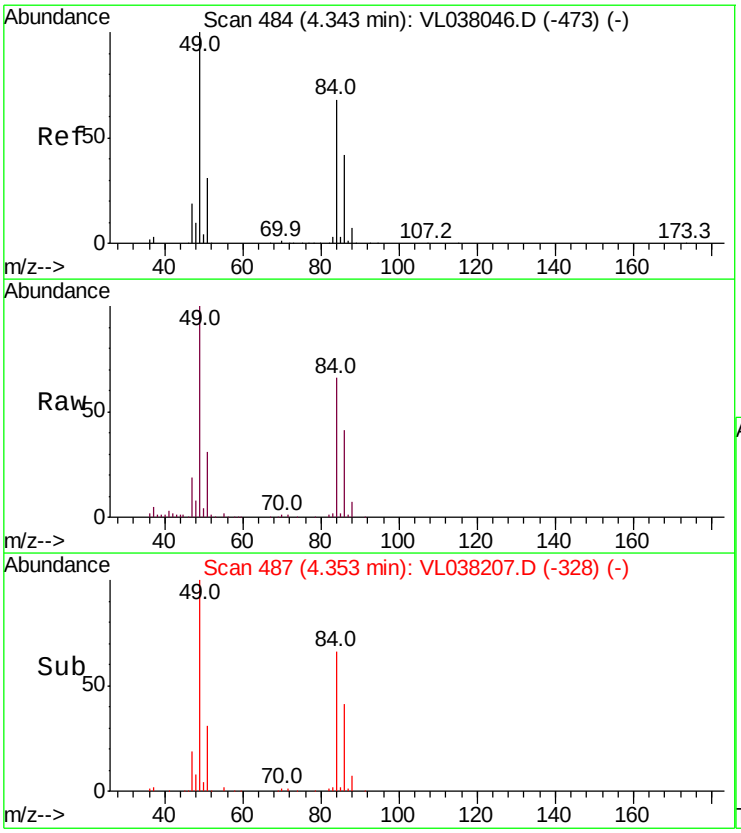
#19
Isopropyl Alcohol
Concen: 8.885 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 454481

Ion	Ratio	Lower	Upper
45	100		
58	71.9	1.4	2.0#

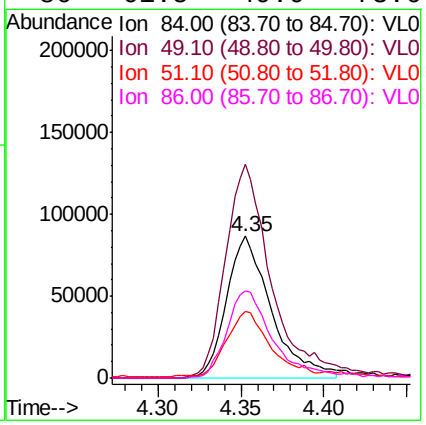


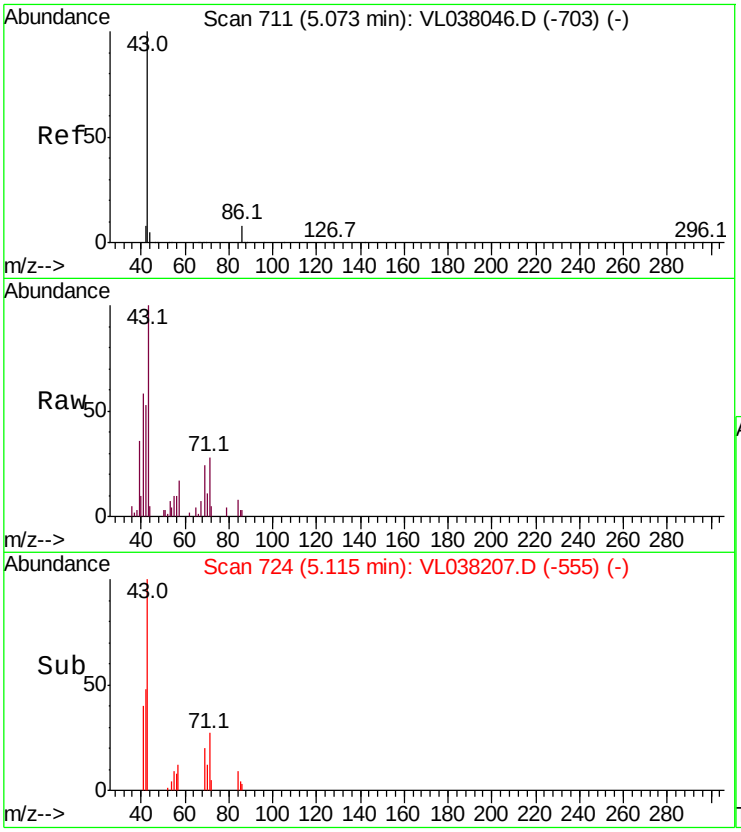


#20
Methylene Chloride
Concen: 4.101 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 84 Resp: 162625

Ion	Ratio	Lower	Upper
84	100		
49	149.8	118.2	177.2
51	46.3	36.8	55.2
86	61.5	49.0	73.6



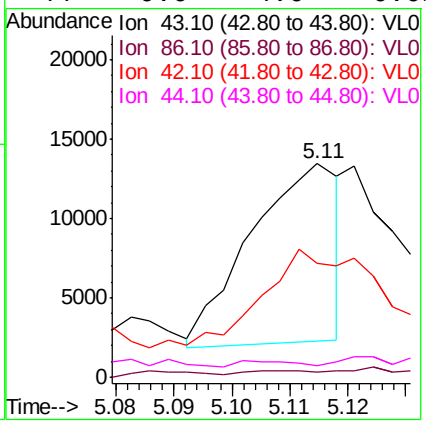


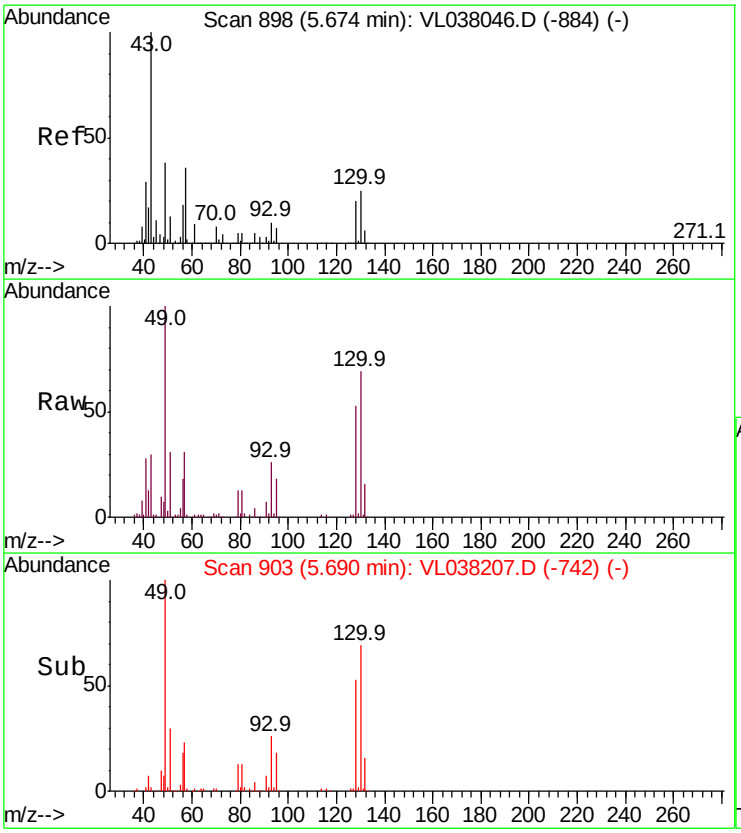
#23
Vinyl Acetate
Concen: 0.116 ppbv
RT: 5.11
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 11856

Ion	Ratio	Lower	Upper
43	100		
86	0.2	5.3	7.9#
42	47.1	7.0	10.6#
44	0.0	4.0	6.0#

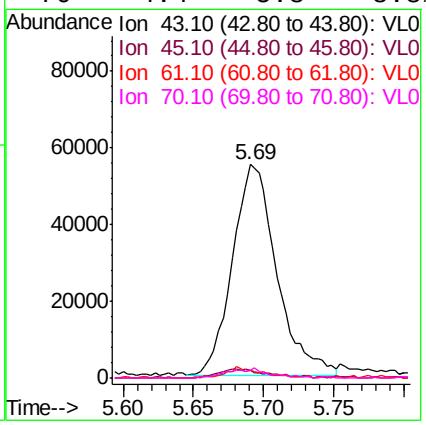


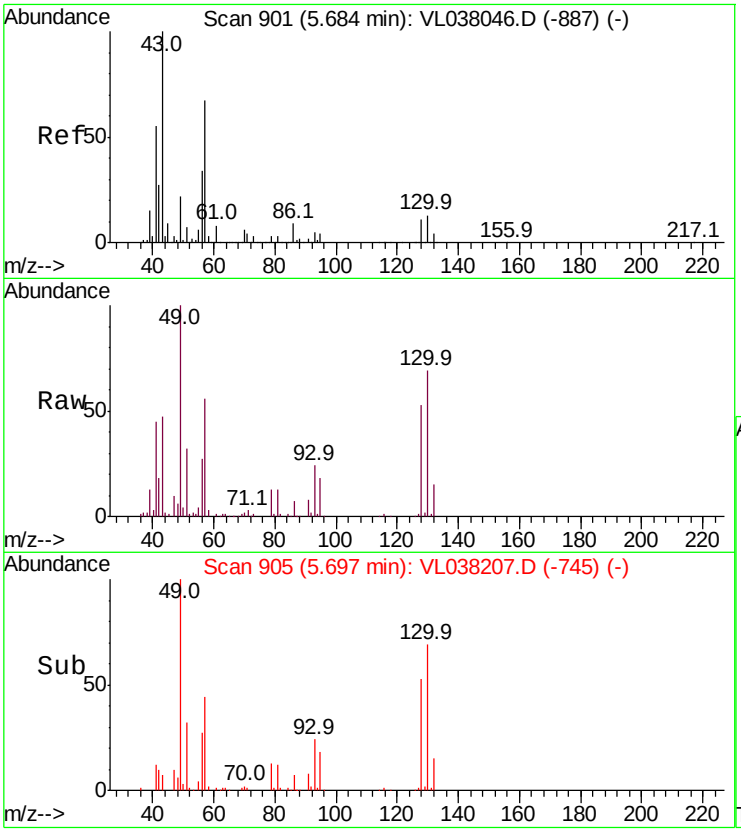


#25
Ethyl Acetate
Concen: 0.513 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 43 Resp: 120655

Ion	Ratio	Lower	Upper
43	100		
45	4.9	7.9	11.9#
61	4.6	7.8	11.6#
70	4.4	5.8	8.8#



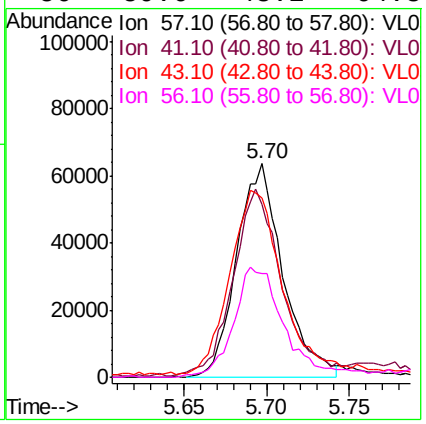


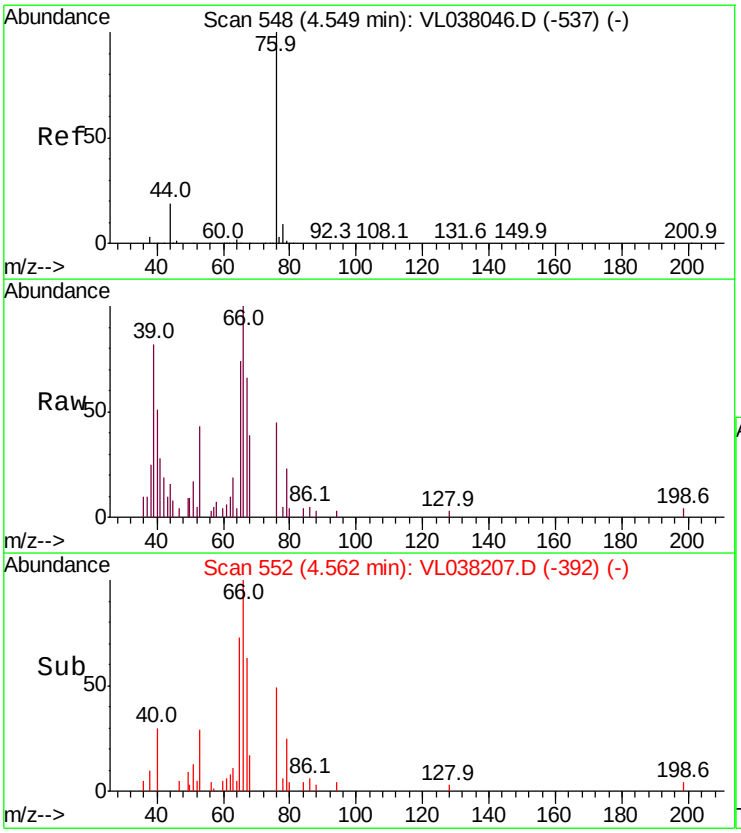
#26
Hexane
Concen: 1.089 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 123535

Ion	Ratio	Lower	Upper
57	100		
41	90.8	71.4	107.2
43	100.3	174.6	261.8#
56	59.6	43.2	64.8

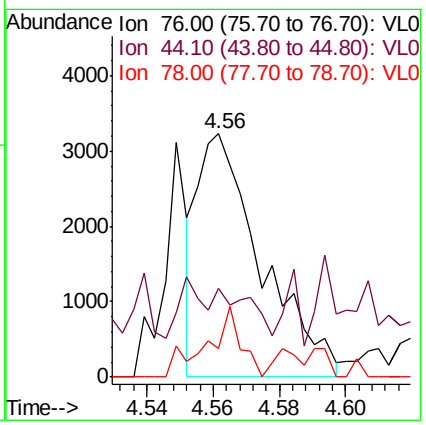


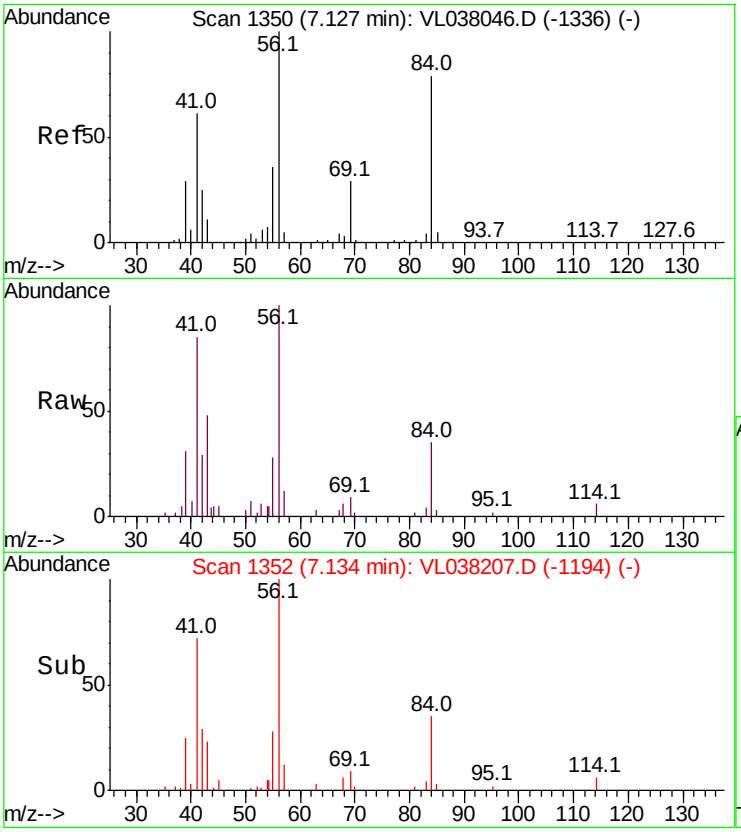


#27
Carbon Disulfide
Concen: 0.043 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 76 Resp: 4342

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.9	22.3#
78	19.0	7.6	11.4#



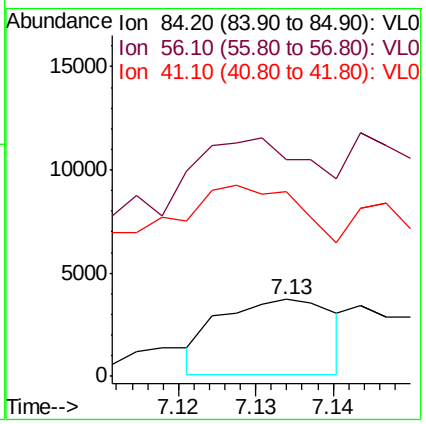


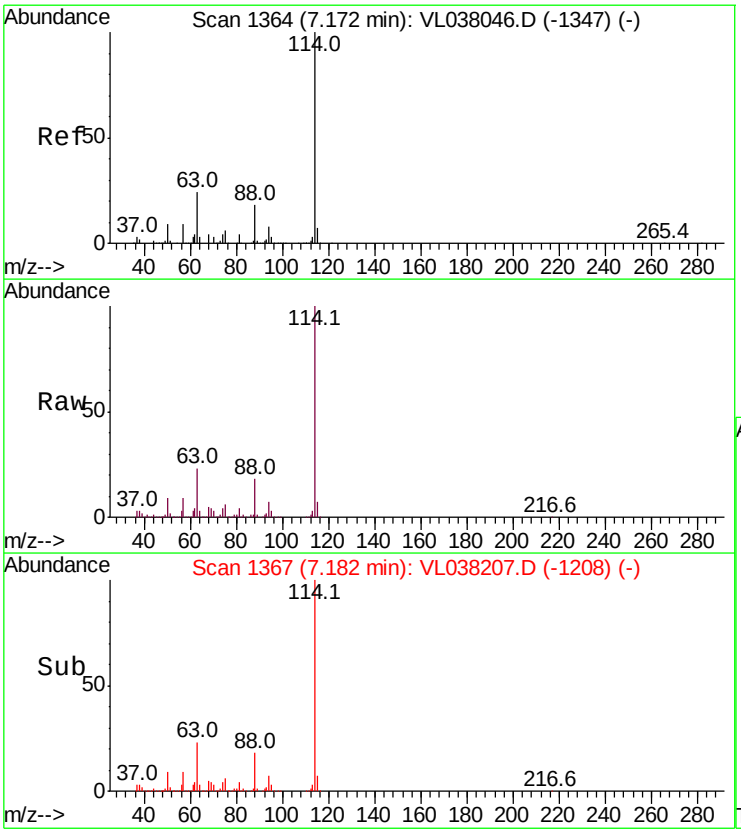
#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.13
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3714

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

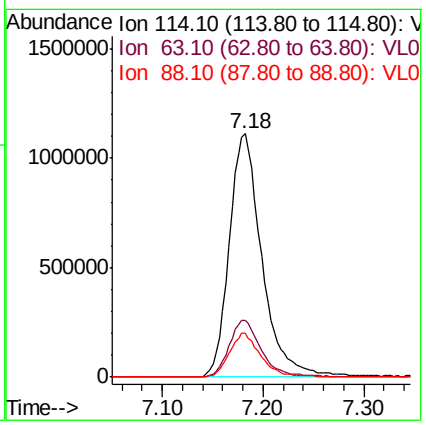


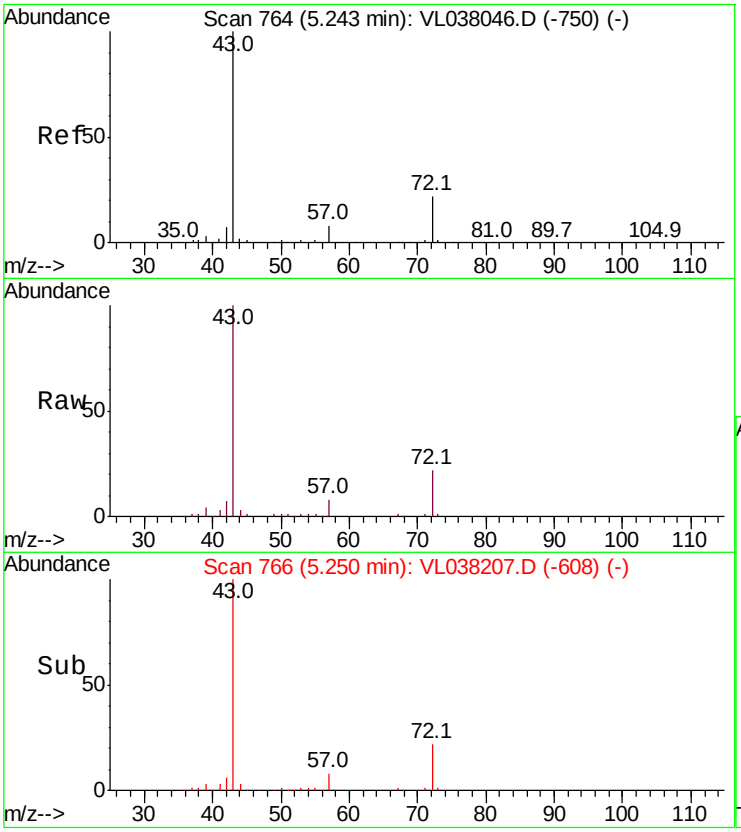


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion:114 Resp: 2497191

Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.7	29.5
88	17.6	14.4	21.6



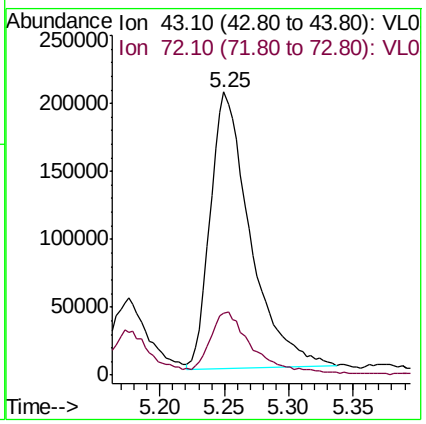


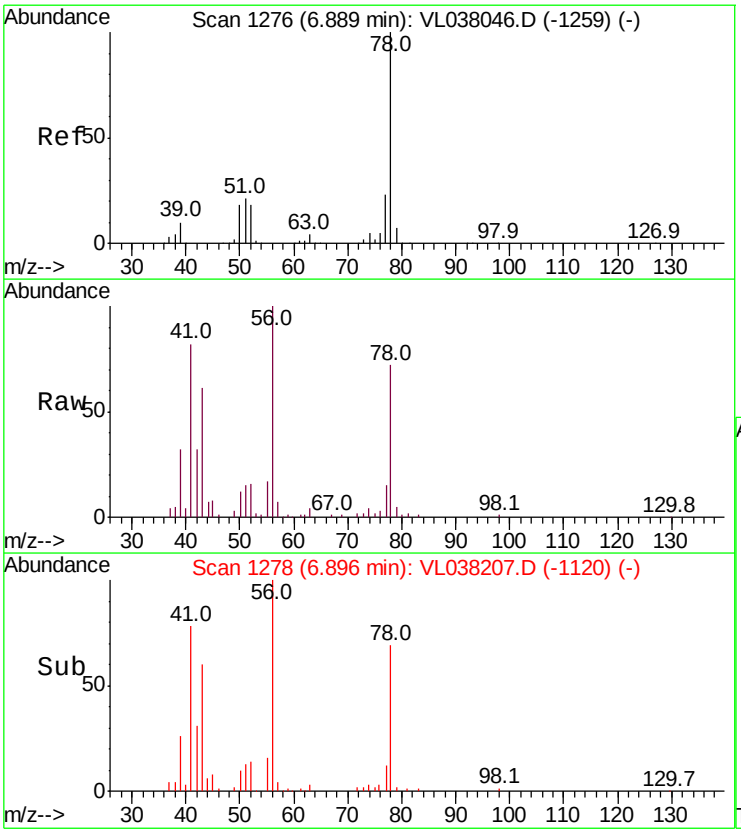
#34
2-Butanone
Concen: 4.346 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 437641

Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.8	28.2

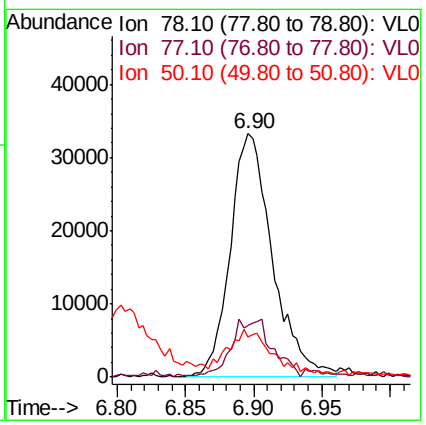


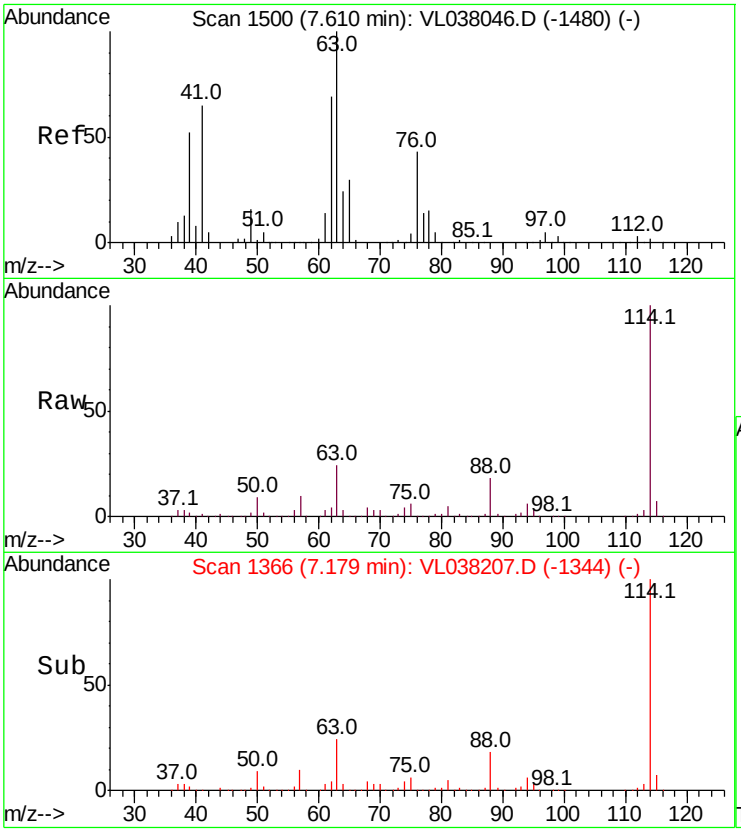


#36
Benzene
Concen: 0.289 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 78 Resp: 71872

Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.2	27.4
50	15.6	14.7	22.1



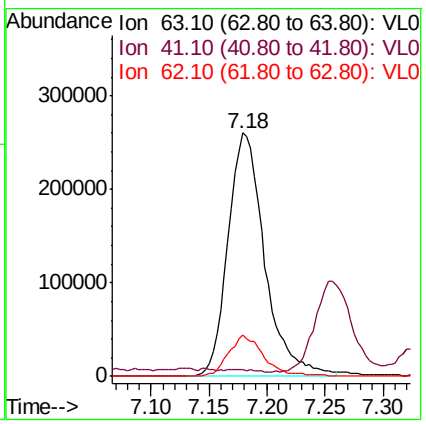


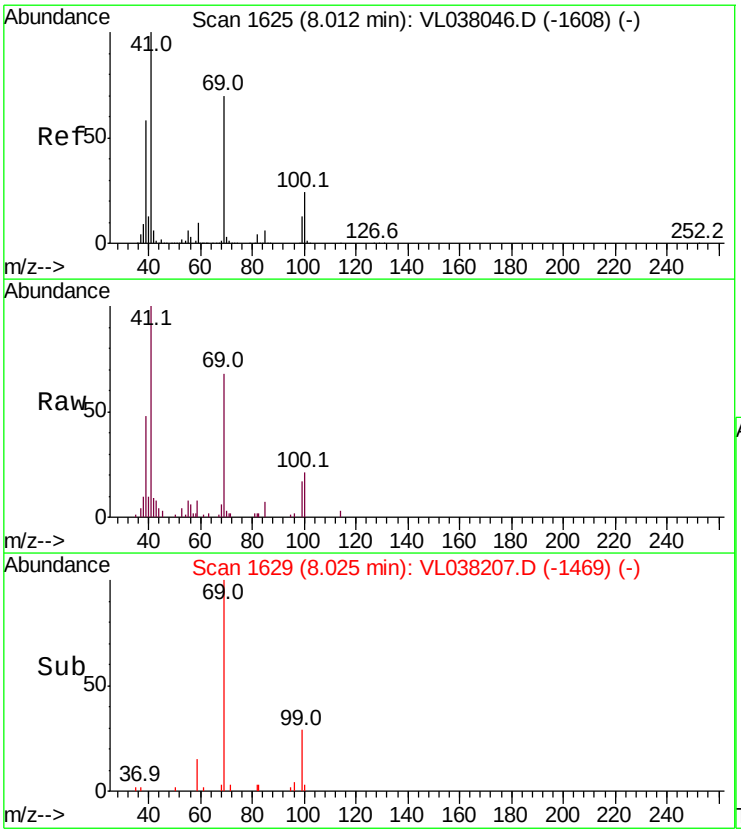
#39
1,2-Dichloropropane
Concen: 5.990 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 572394

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	16.8	55.1	82.7#

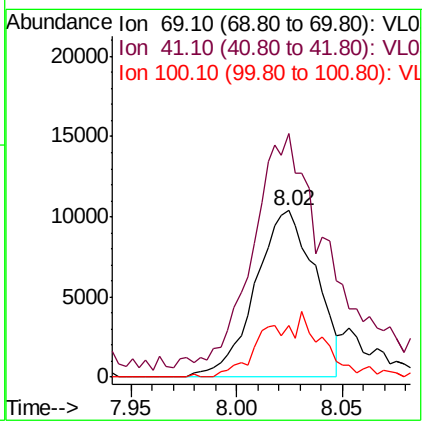


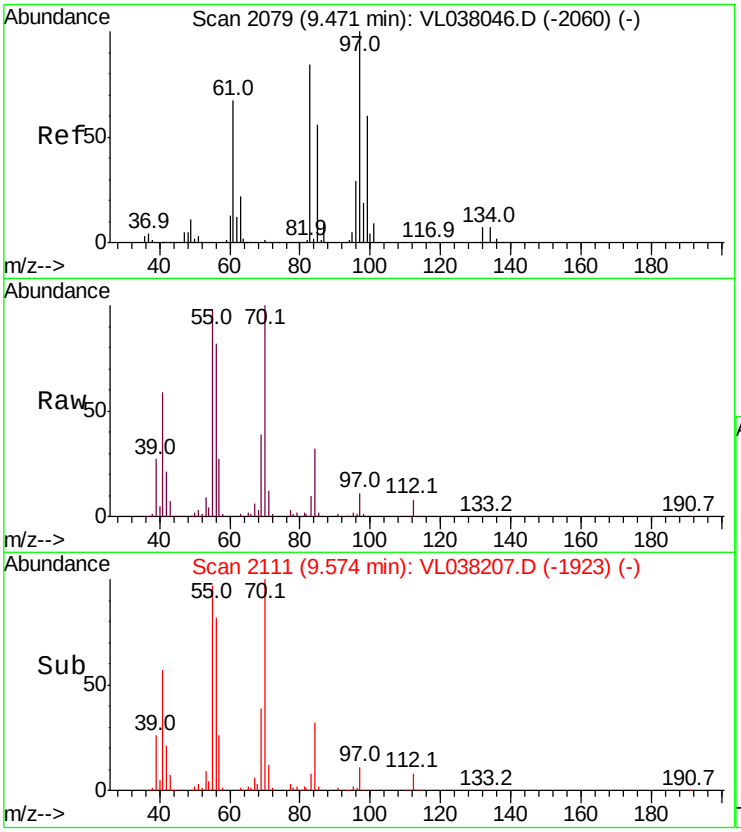


#43
Methyl Methacrylate
Concen: 0.242 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 69 Resp: 20619

Ion	Ratio	Lower	Upper
69	100		
41	173.0	116.7	175.1
100	38.8	27.3	40.9



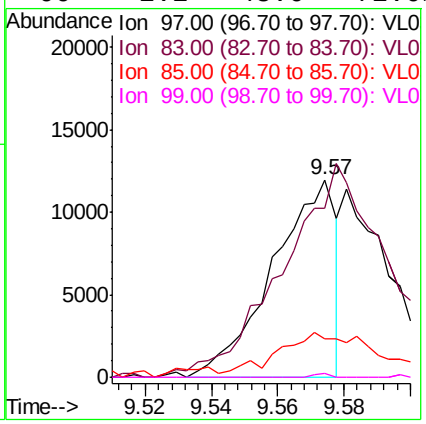


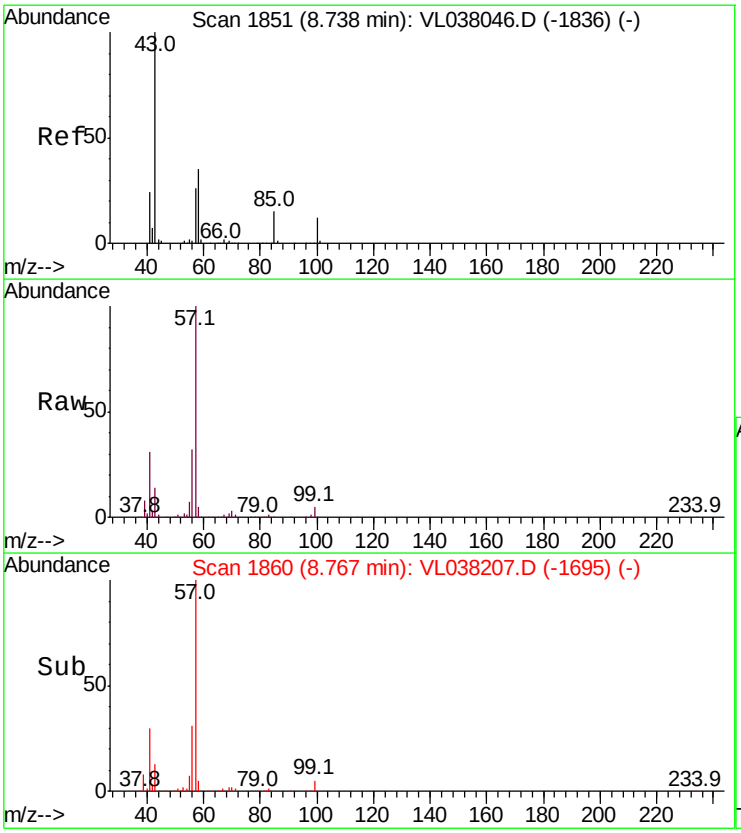
#47
1,1,2-Trichloroethane
Concen: 0.158 ppbv
RT: 9.57
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 15820

Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.8	100.2
85	15.6	44.9	67.3#
99	2.2	48.0	72.0#

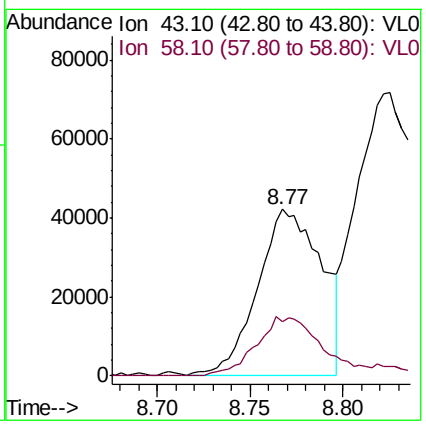


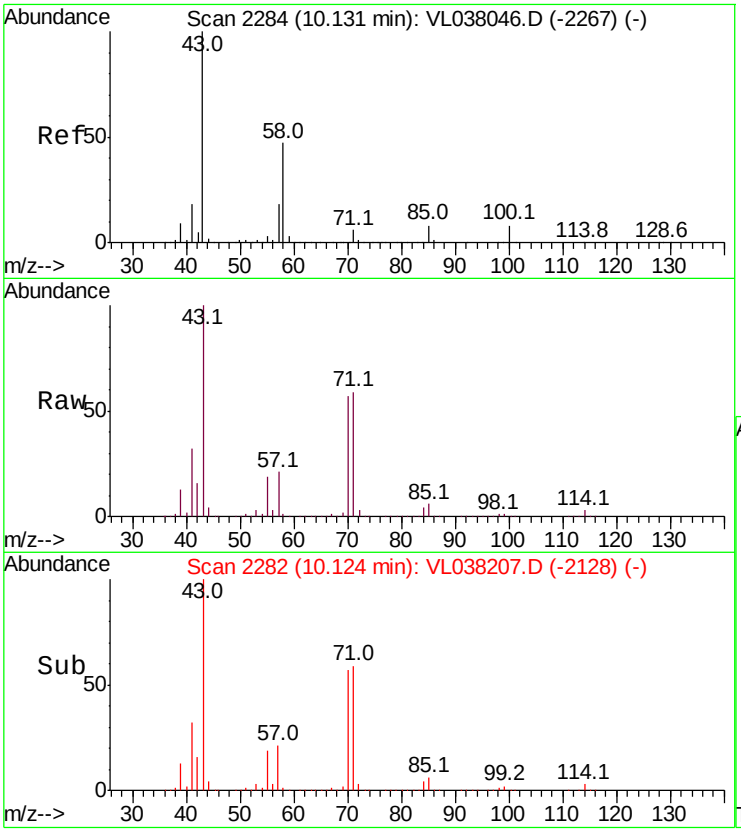


#50
4-Methyl-2-Pentanone
Concen: 0.658 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.03 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 43 Resp: 100672

Ion	Ratio	Lower	Upper
43	100		
58	40.7	29.4	44.2



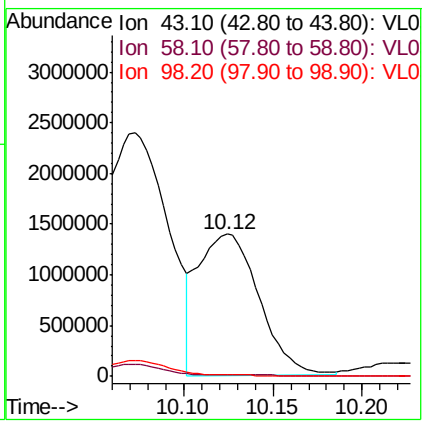


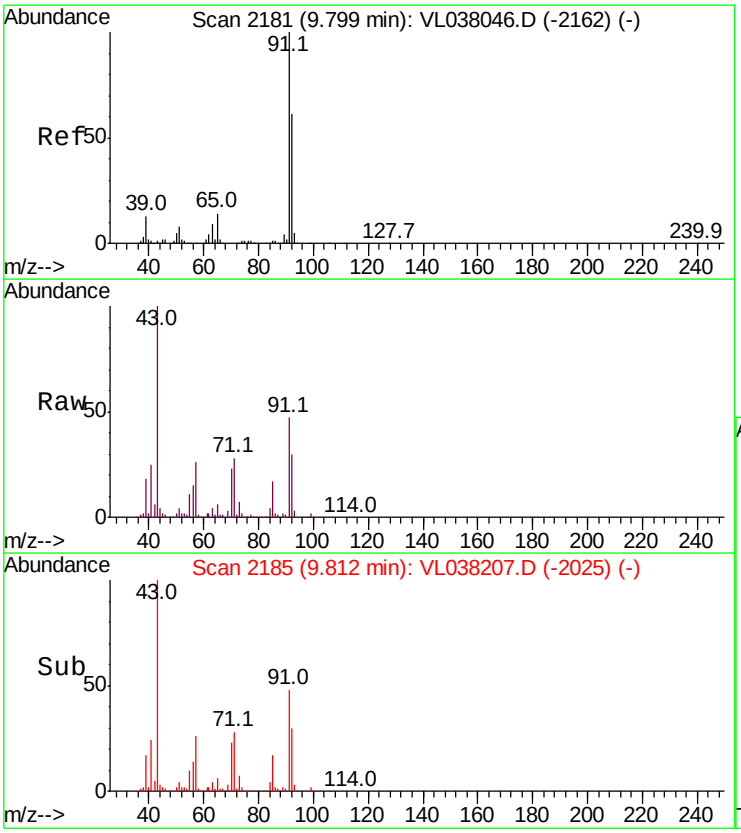
#51
2-Hexanone
Concen: 45.851 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3298755

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
98	0.0	0.1	0.1#

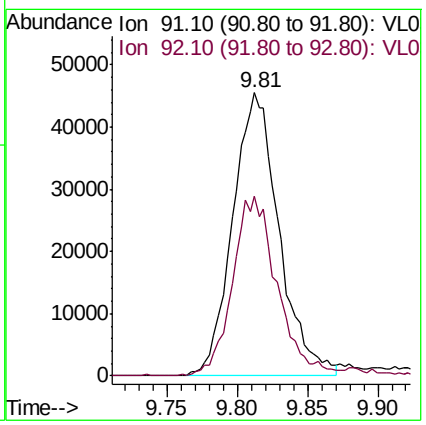


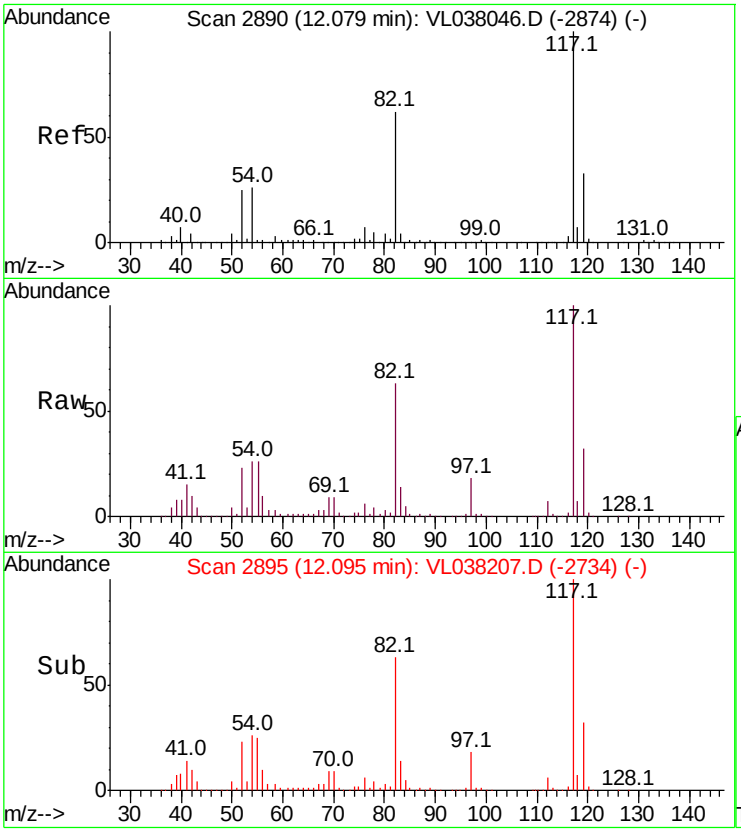


#53
Toluene
Concen: 0.365 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 91 Resp: 104507

Ion	Ratio	Lower	Upper
91	100		
92	64.0	49.7	74.5



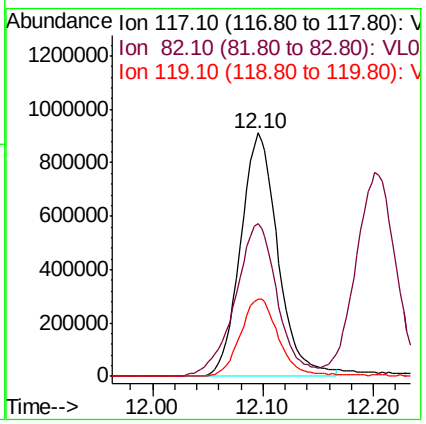


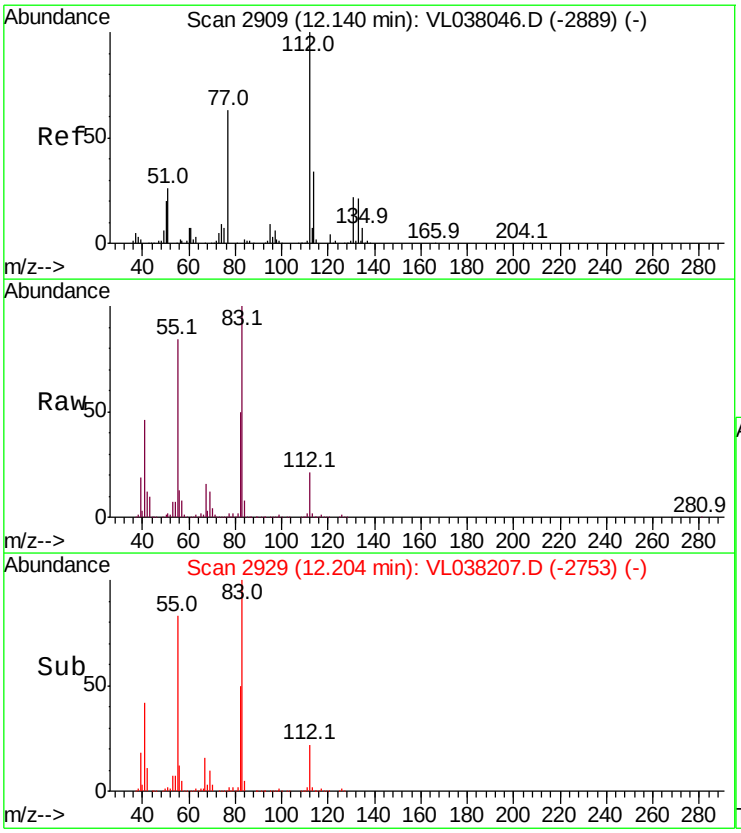
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2133714

Ion	Ratio	Lower	Upper
117	100		
82	71.8	52.8	79.2
119	33.5	26.8	40.2

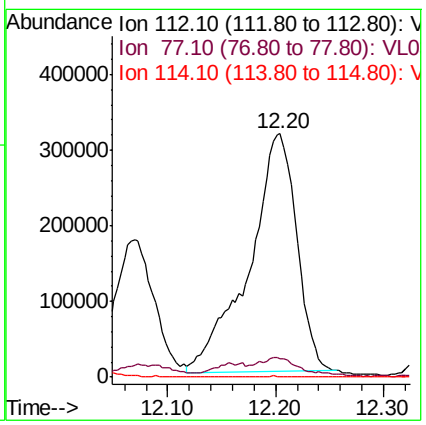


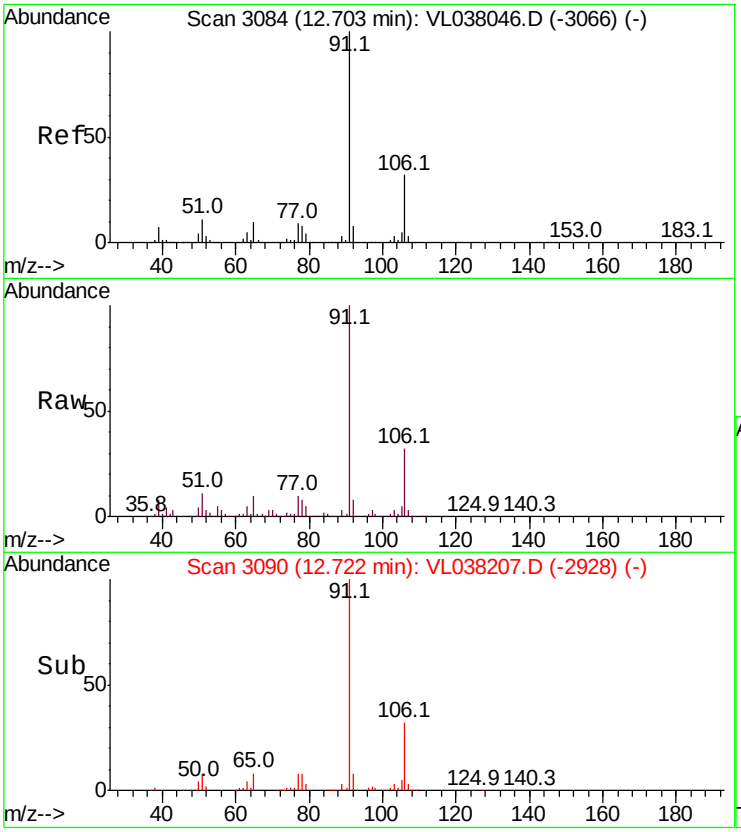


#57
Chlorobenzene
Concen: 5.049 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. 0.06 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion:112 Resp: 965492

Ion	Ratio	Lower	Upper
112	100		
77	6.5	50.3	75.5#
114	0.1	30.7	37.5#



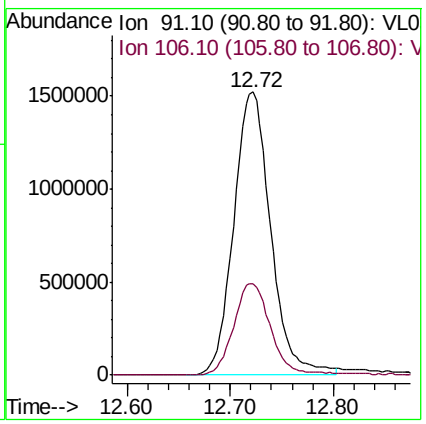


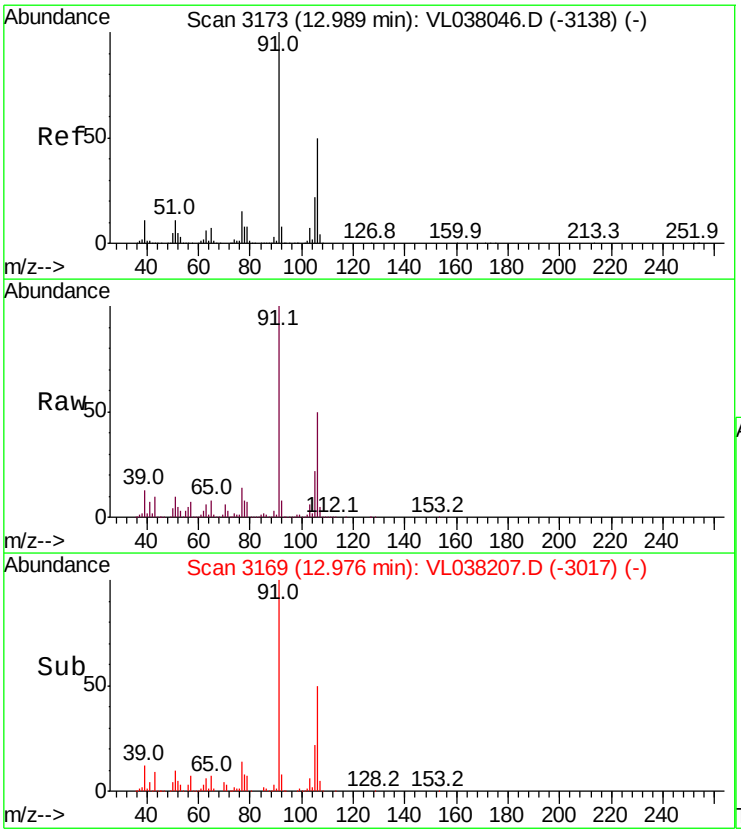
#58
Ethyl Benzene
Concen: 10.744 ppbv
RT: 12.72
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3789156

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.8	38.6

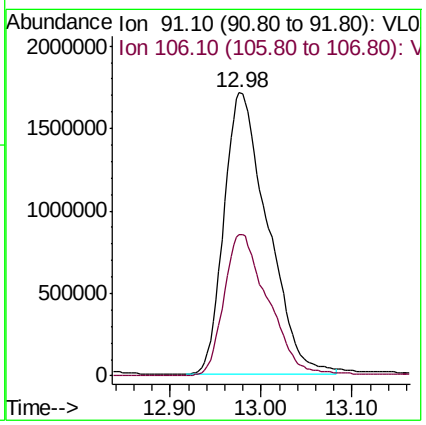


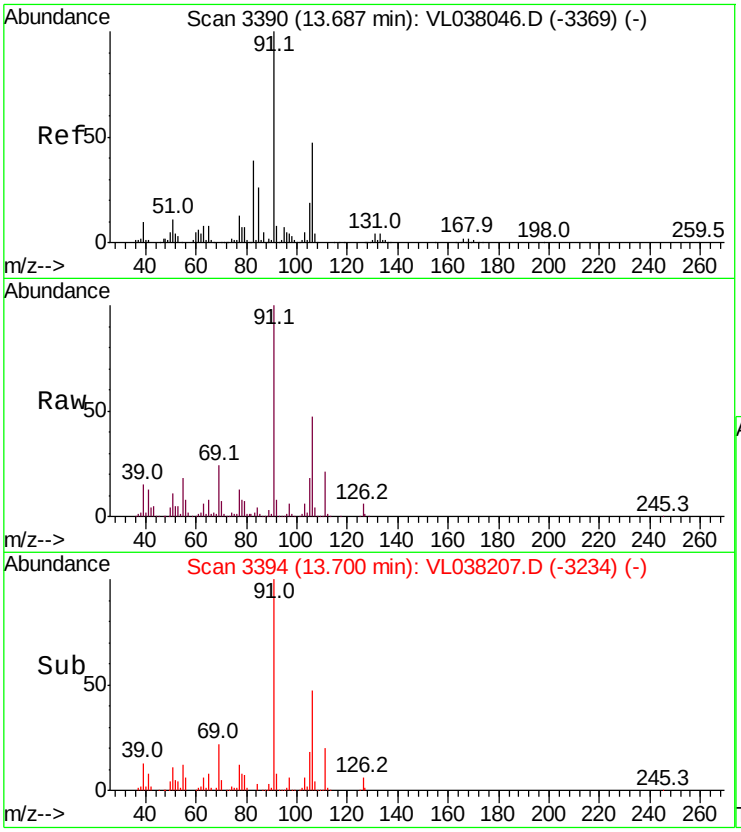


#59
m/p-Xylene
Concen: 19.221 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 91 Resp: 5706041

Ion	Ratio	Lower	Upper
91	100		
106	52.3	38.1	57.1



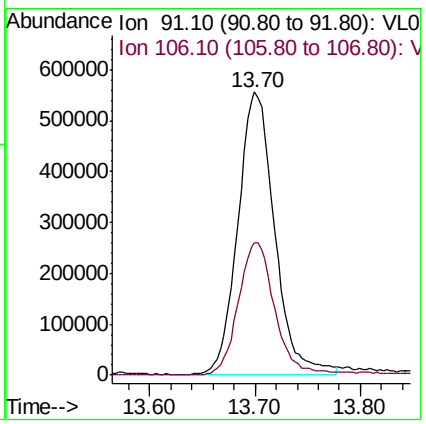


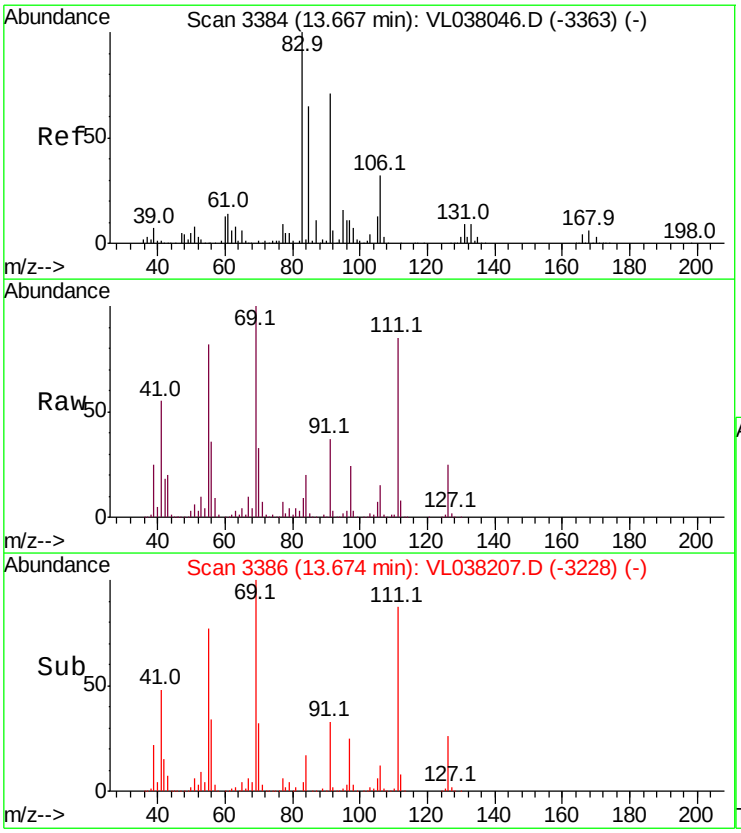
#60
o-Xylene
Concen: 4.868 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1340756

Ion	Ratio	Lower	Upper
91	100		
106	48.0	24.2	72.6

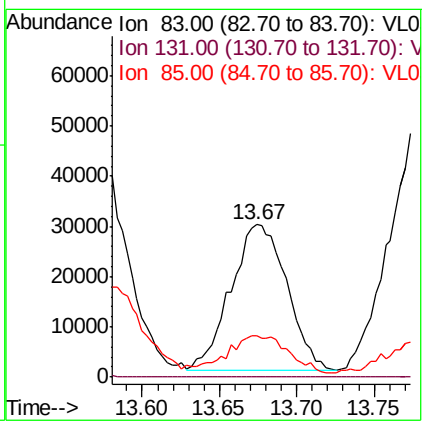


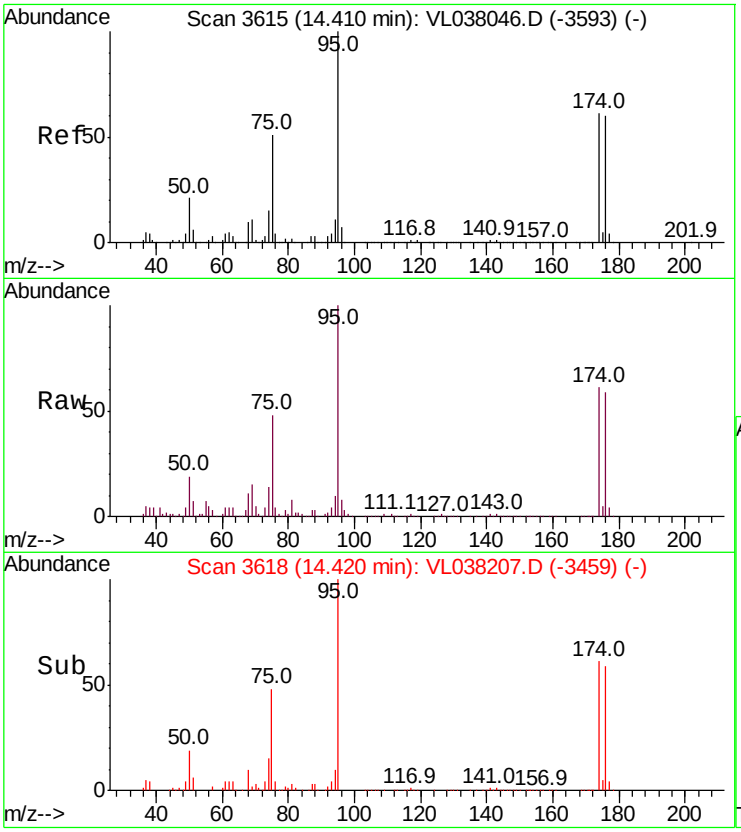


#63
1,1,2,2-Tetrachloroethane
Concen: 0.355 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion: 83 Resp: 72701

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	27.4	33.4	100.1#



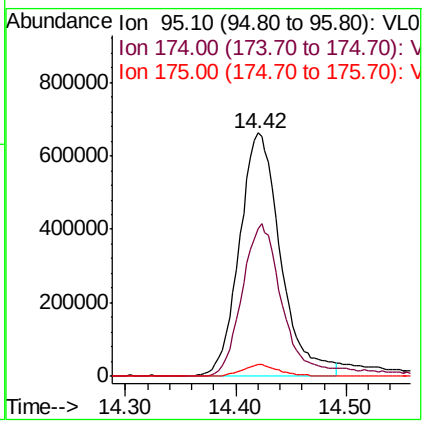


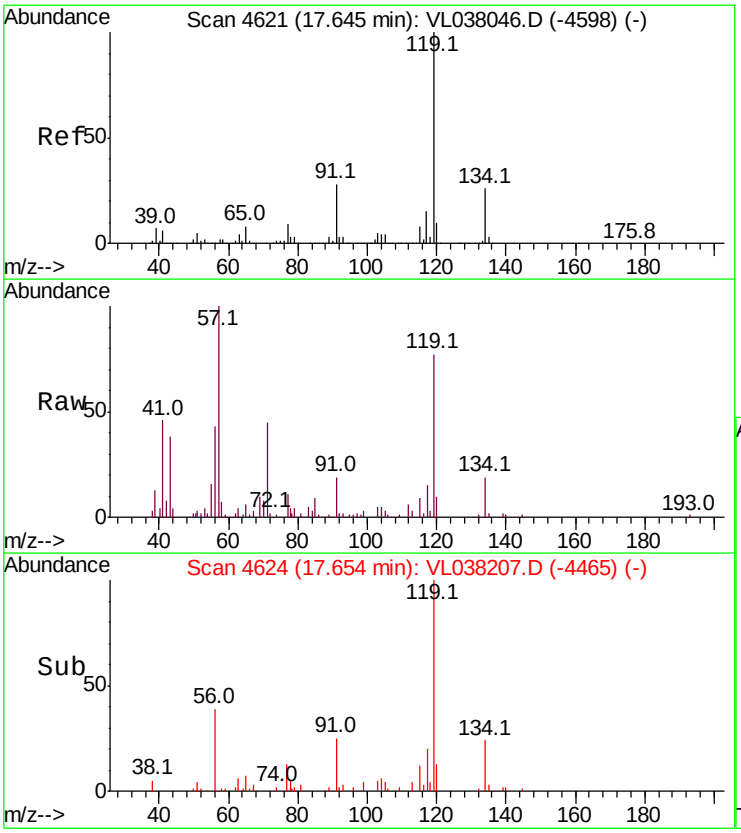
#68
1-Bromo-4-Fluorobenzene
Concen: 11.114 ppbv
RT: 14.42
Delta R.T
Lab File:
Acq: 17 Dec 2021 2:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1710605

Ion	Ratio	Lower	Upper
95	100		
174	65.1	53.1	79.7
175	4.5	4.0	6.0





#69
p-Isopropyltoluene
Concen: 0.048 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. 0.01 min
Lab File: VL038207.D
Acq: 17 Dec 2021 2:57

Tgt Ion:119 Resp: 17891

Ion	Ratio	Lower	Upper
119	100		
134	44.7	20.6	30.8#
91	63.7	22.2	33.4#