Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038205.D
Acq On : 17 Dec 2021 1:37
Operator : SY/AP
Sample : M5119-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 05:11:27 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	5.68	49	811797	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2539372	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2154347	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1887405	12.15	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 121.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.00	51	5362	0.031	ppbv	#	79
4) Chloromethane	3.15	50	3692	0.064	ppbv		90
9) Propene	3.22	41	367294	5.850	ppbv		95
10) Heptane	8.13	43	1381709	8.904	ppbv		99
13) Ethanol	3.63	45	2854	0.470	ppbv	#	55
15) Acetone	3.87	43	217523	3.091	ppbv	#	89
16) 1,3-Butadiene	3.37	39	2287011	41.650	ppbv	#	11
19) Isopropyl Alcohol	3.99	45	201838	3.969	ppbv	#	5
20) Methylene Chloride	4.36	84	12585	0.319	ppbv		84
23) Vinyl Acetate	5.19	43	21660	0.213	ppbv	#	8
25) Ethyl Acetate	5.70	43	13599	0.058	ppbv	#	89
26) Hexane	5.69	57	12616	0.112	ppbv	#	55
30) Cyclohexane	7.15	84	3783	0.037	ppbv	#	1
31) cis-1,2-Dichloroethene	5.56	61	12979	0.121	ppbv		87
34) 2-Butanone	5.27	43	110225	1.076	ppbv		91
36) Benzene	6.90	78	8896	0.035	ppbv	#	96
38) Trichloroethene	7.84	130	54618	0.572	ppbv		87
39) 1,2-Dichloropropane	7.18	63	592593	6.099	ppbv	#	26
47) 1,1,2-Trichloroethane	9.58	97	51189	0.503	ppbv	#	56
50) 4-Methyl-2-Pentanone	8.77	43	183828	1.182	ppbv		97
51) 2-Hexanone	10.13	43	4624138	63.206	ppbv	#	27
52) Tetrachloroethene	11.24	164	1312297	14.001	ppbv		97
53) Toluene	9.82	91	66731	0.229	ppbv		99
57) Chlorobenzene	12.21	112	1335176	6.915	ppbv	#	32
58) Ethyl Benzene	12.73	91	3668728	10.303	ppbv		99
59) m/p-Xylene	12.98	91	5273293	17.593	ppbv		95
60) o-Xylene	13.70	91	1257591	4.523	ppbv		99
61) Styrene	13.70	104	26116	0.175	ppbv	#	1
62) Isopropylbenzene	14.67	105	15990	0.041	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.68	83	95263	0.461	ppbv	#	56

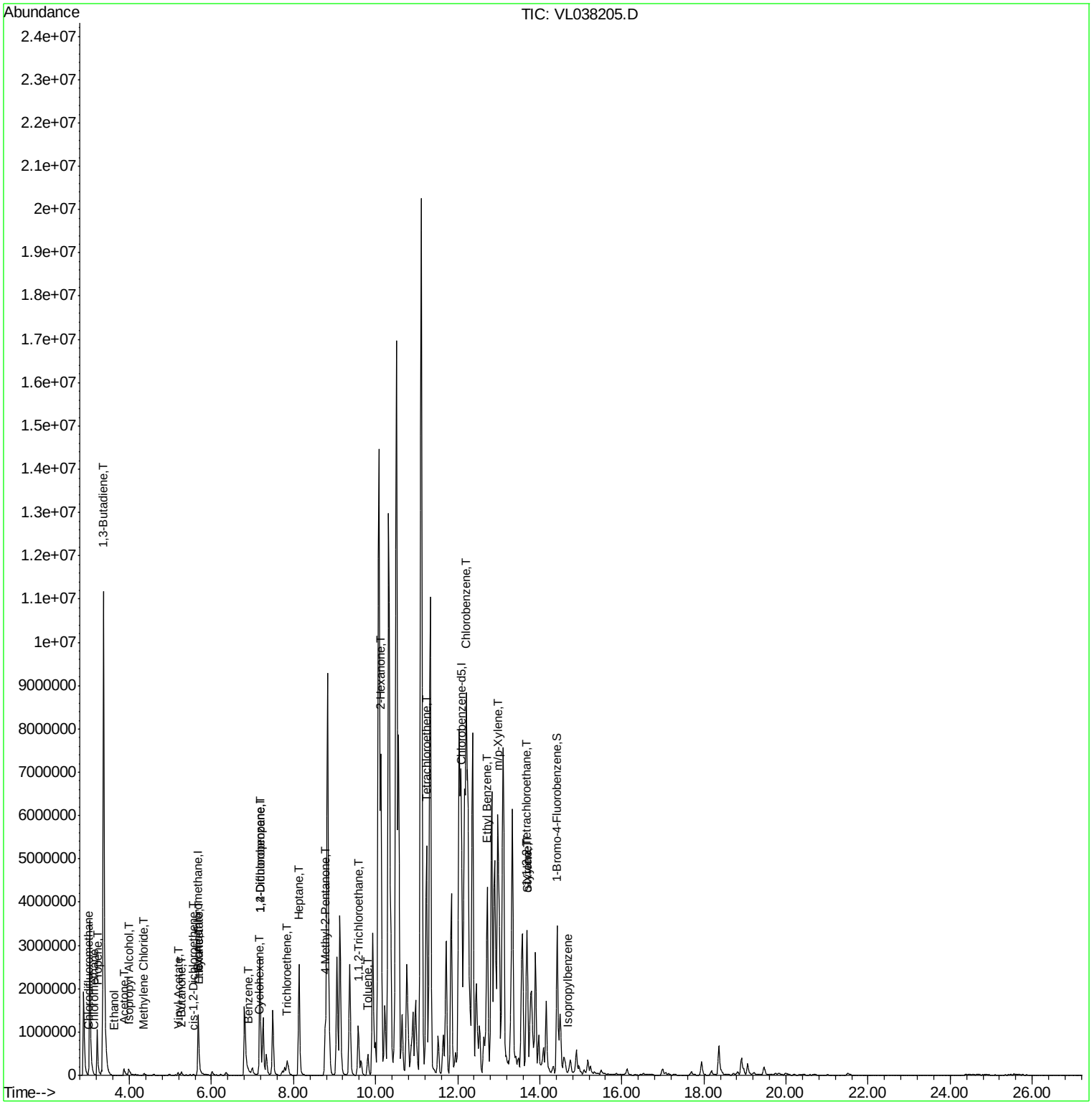
(#) = qualifier out of range (m) = manual integration (+) = signals summed

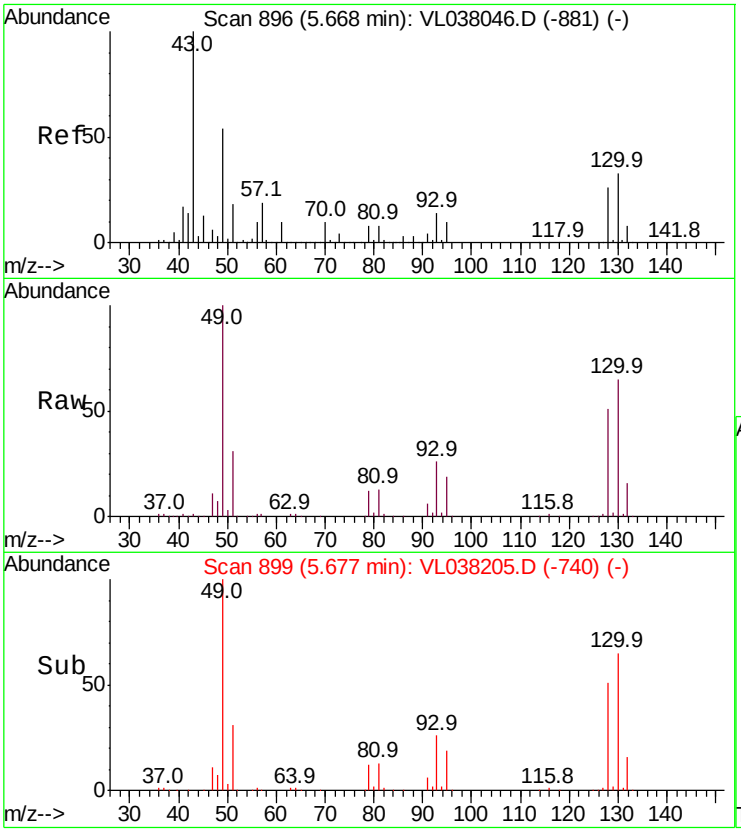
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121621\
Data File : VL038205.D
Acq On : 17 Dec 2021 1:37
Operator : SY/AP
Sample : M5119-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 05:11:27 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



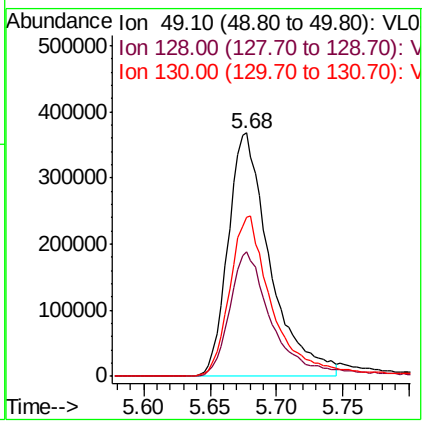


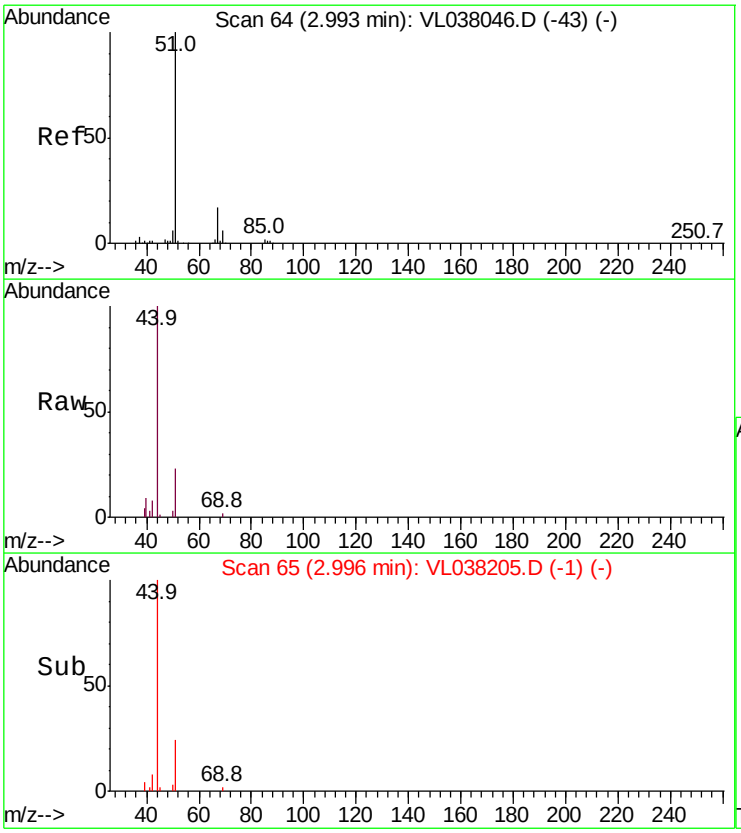
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 811797

Ion	Ratio	Lower	Upper
49	100		
128	53.8	26.5	79.5
130	69.6	32.5	97.4

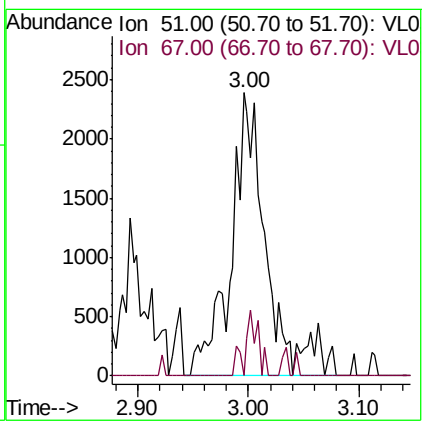


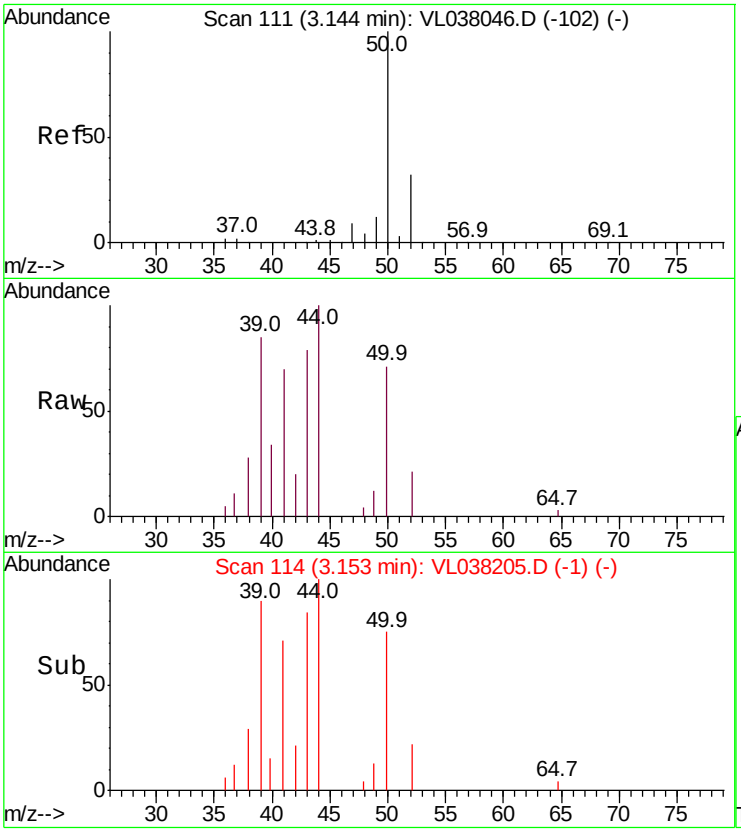


#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 51 Resp: 5362

Ion	Ratio	Lower	Upper
51	100		
67	8.3	13.8	20.8#



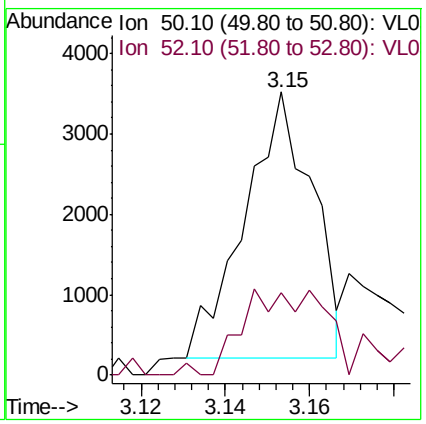


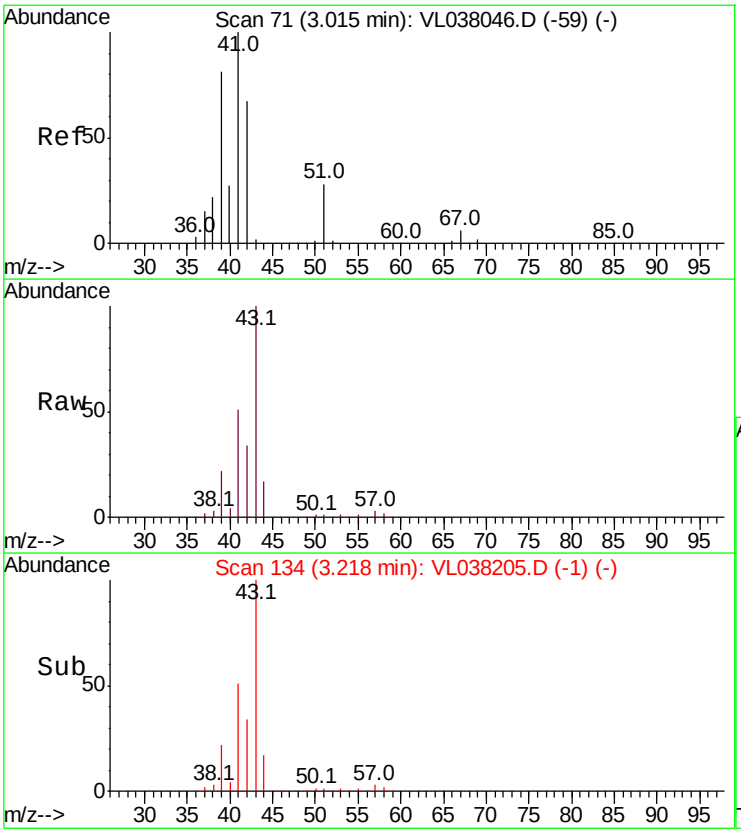
#4
Chloromethane
Concen: 0.064 ppbv
RT: 3.15
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 3692

Ion	Ratio	Lower	Upper
50	100		
52	26.1	25.4	38.0

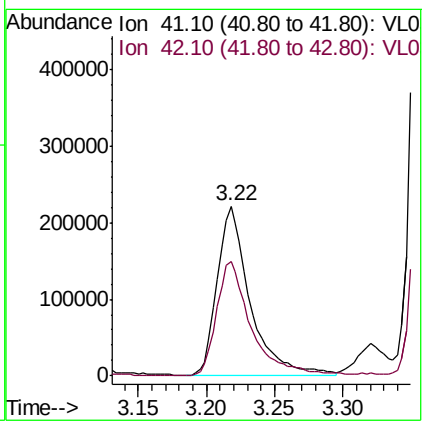


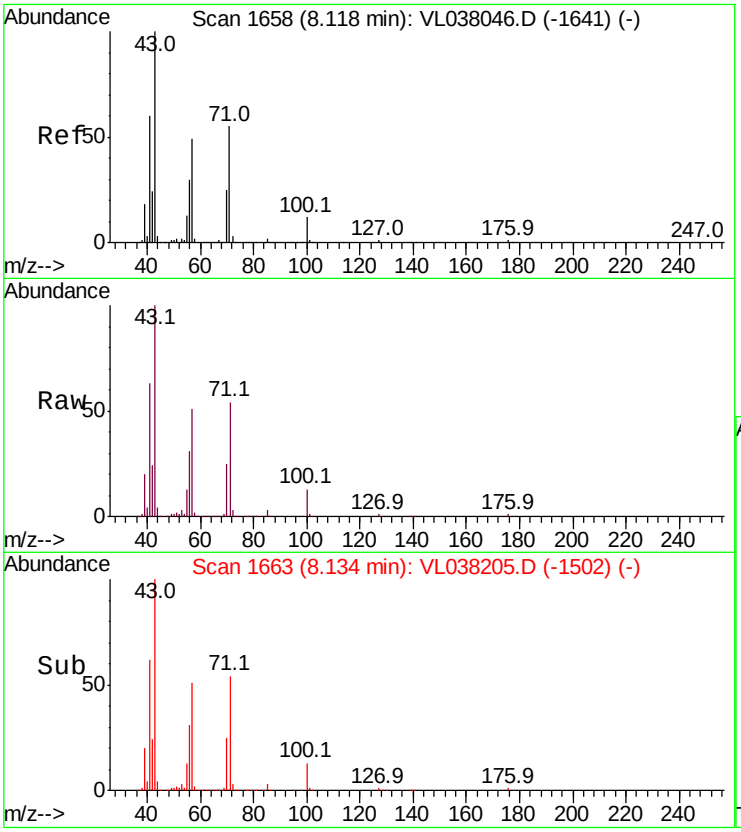


#9
Propene
Concen: 5.850 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.20 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 41 Resp: 367294

Ion	Ratio	Lower	Upper
41	100		
42	71.5	53.8	80.8



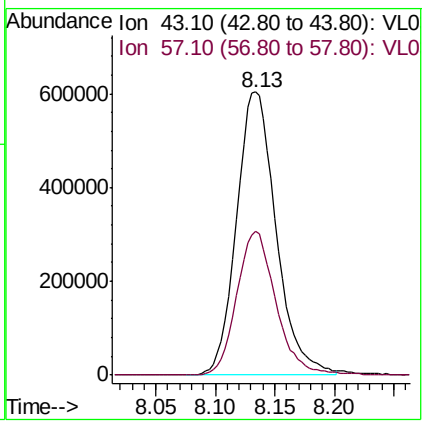


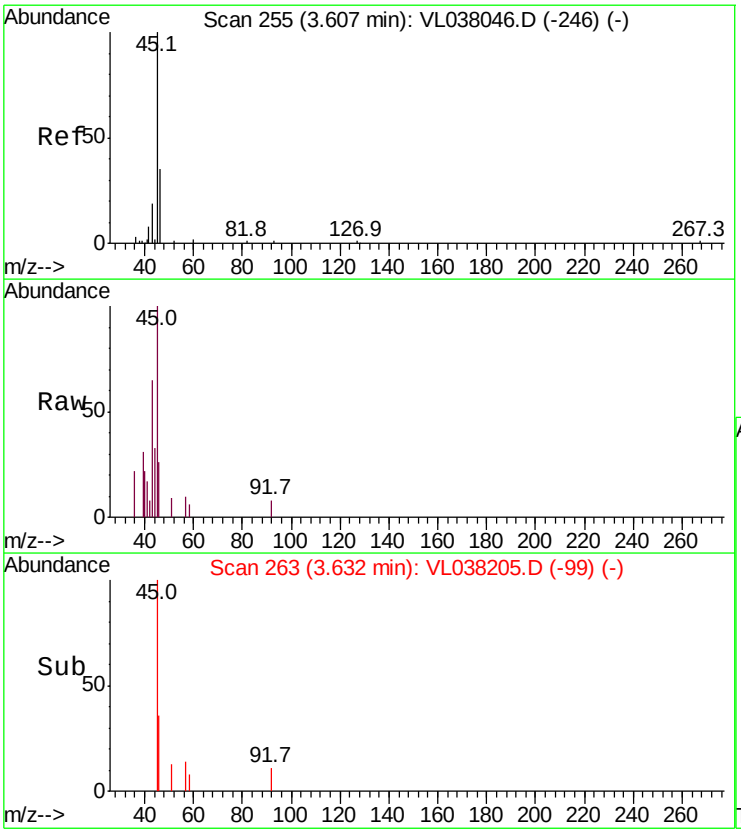
#10
Heptane
Concen: 8.904 ppbv
RT: 8.13
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1381709

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.4	60.6

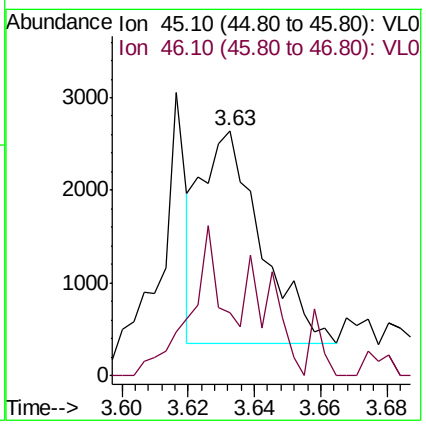


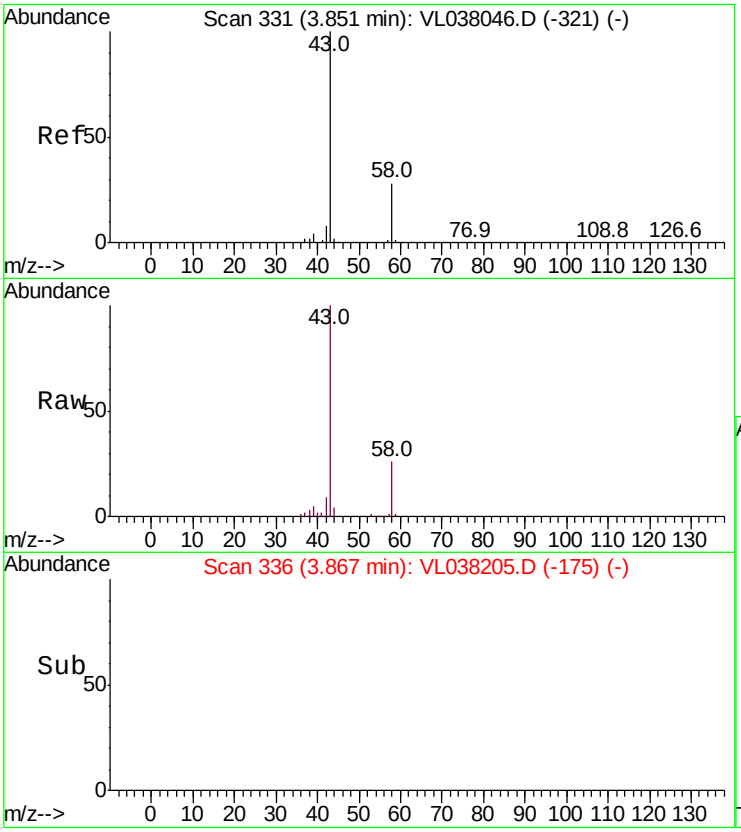


#13
Ethanol
Concen: 0.470 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.03 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 45 Resp: 2854

Ion	Ratio	Lower	Upper
45	100		
46	72.8	17.6	70.2#



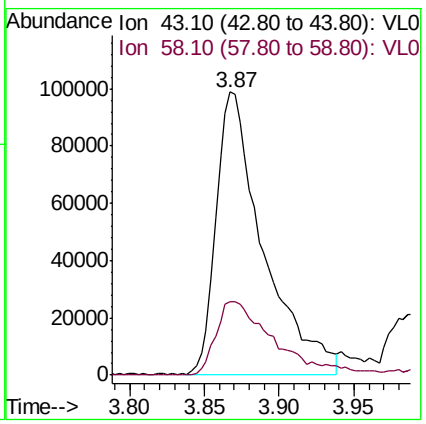


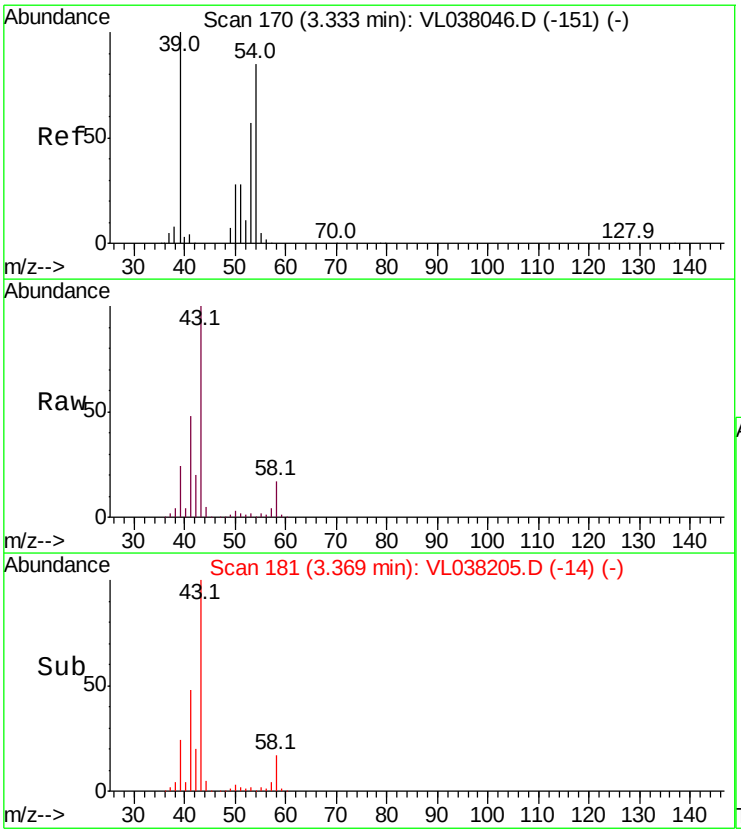
#15
Acetone
Concen: 3.091 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 217523

Ion	Ratio	Lower	Upper
43	100		
58	34.0	22.4	33.6#

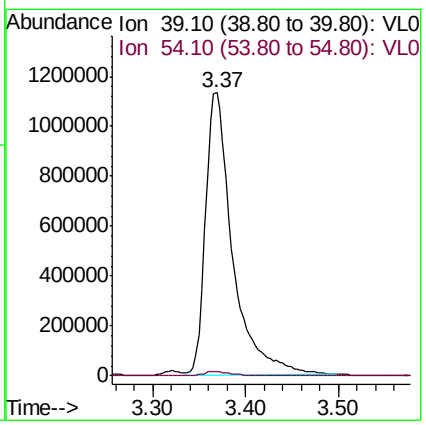


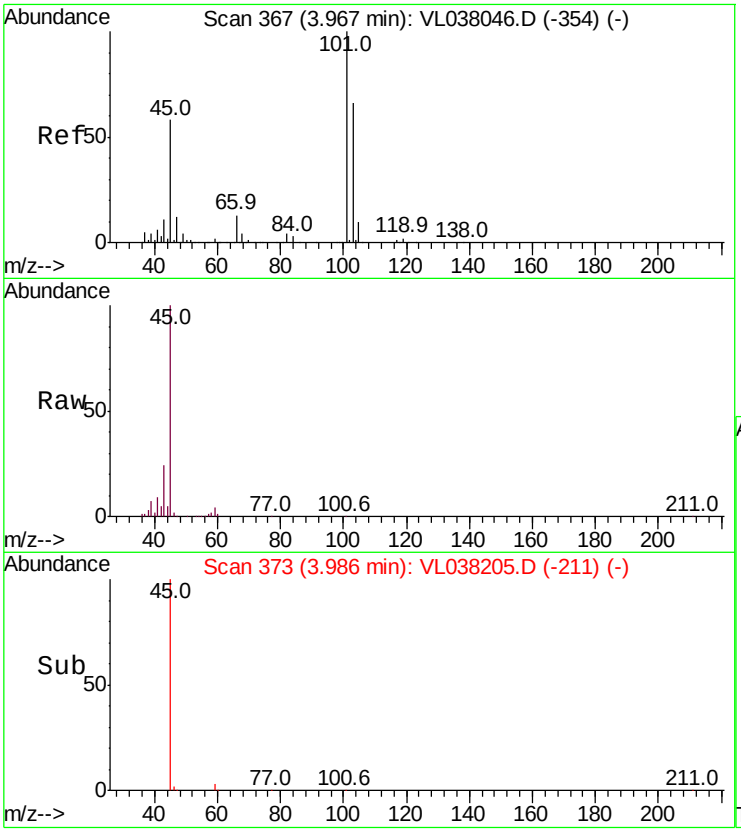


#16
1,3-Butadiene
Concen: 41.650 ppbv
RT: 3.37 min Scan# 181
Delta R.T. 0.04 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 39 Resp: 2287011

Ion	Ratio	Lower	Upper
39	100		
54	1.7	64.4	96.6#



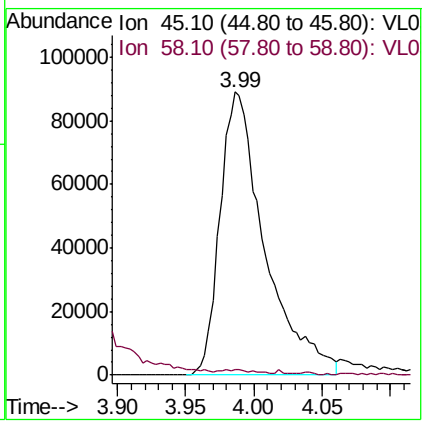


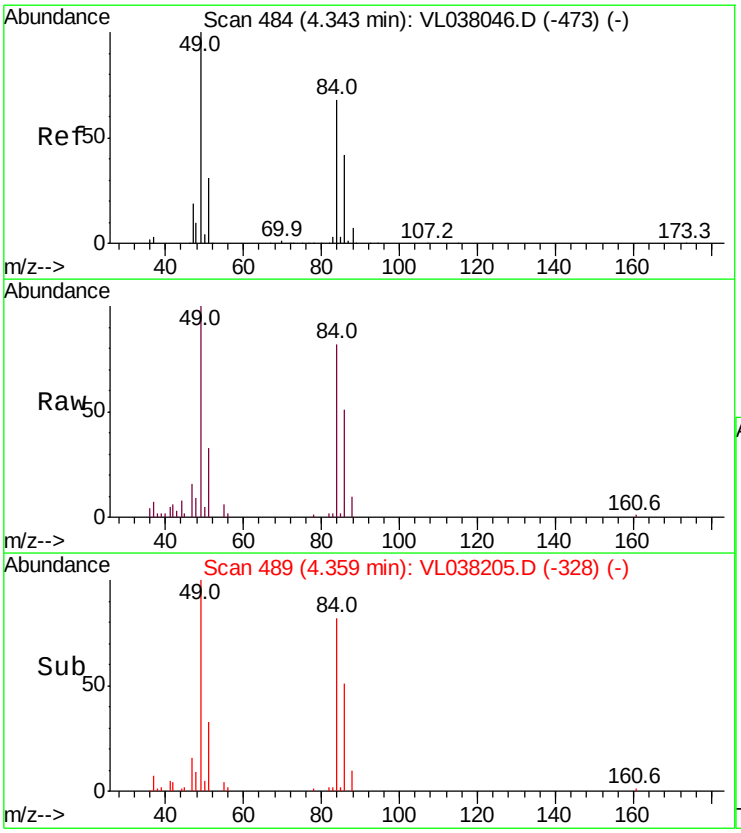
#19
Isopropyl Alcohol
Concen: 3.969 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 201838

Ion	Ratio	Lower	Upper
45	100		
58	36.7	1.4	2.0#

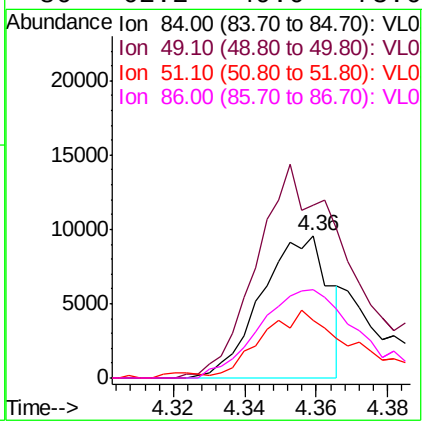


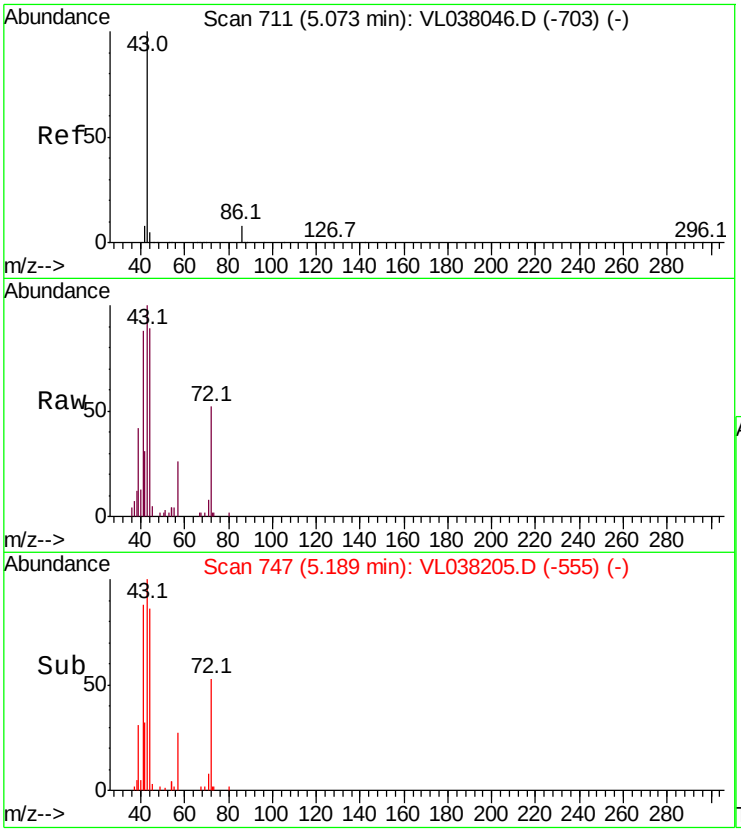


#20
Methylene Chloride
Concen: 0.319 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 84 Resp: 12585

Ion	Ratio	Lower	Upper
84	100		
49	119.3	118.2	177.2
51	37.1	36.8	55.2
86	62.2	49.0	73.6



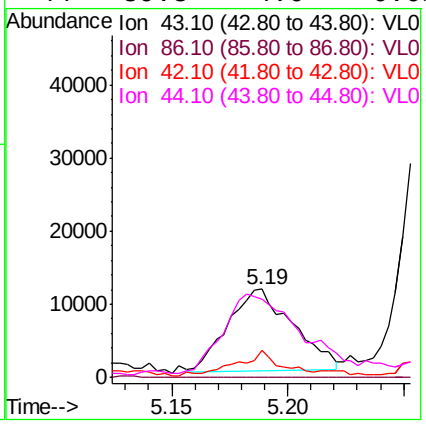


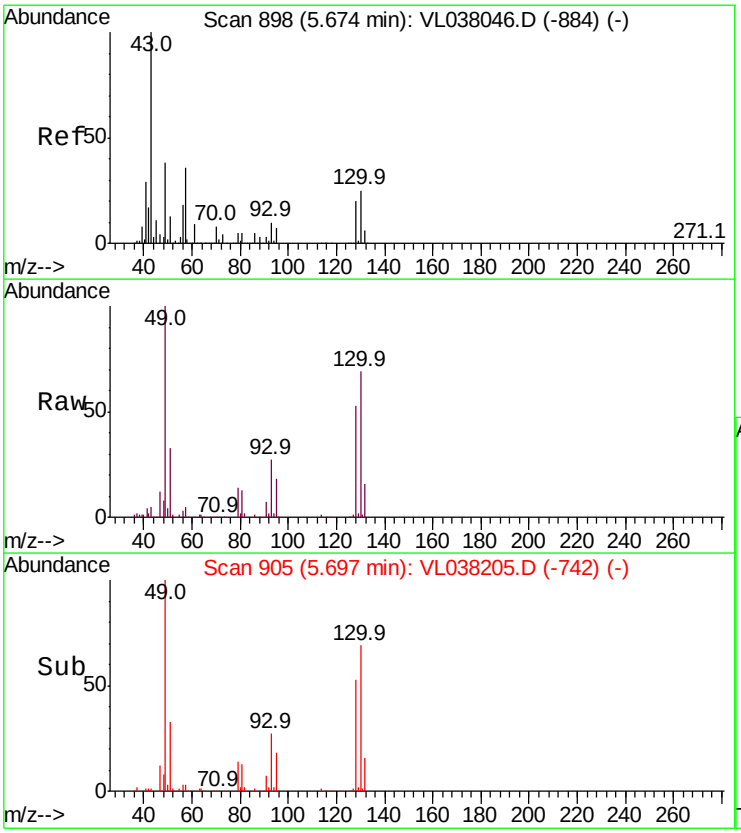
#23
Vinyl Acetate
Concen: 0.213 ppbv
RT: 5.19
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 21660

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.3	7.9#
42	27.9	7.0	10.6#
44	89.8	4.0	6.0#

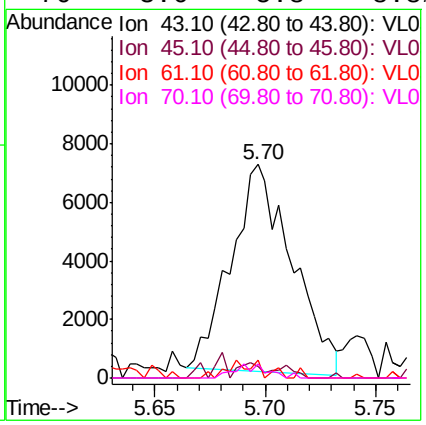


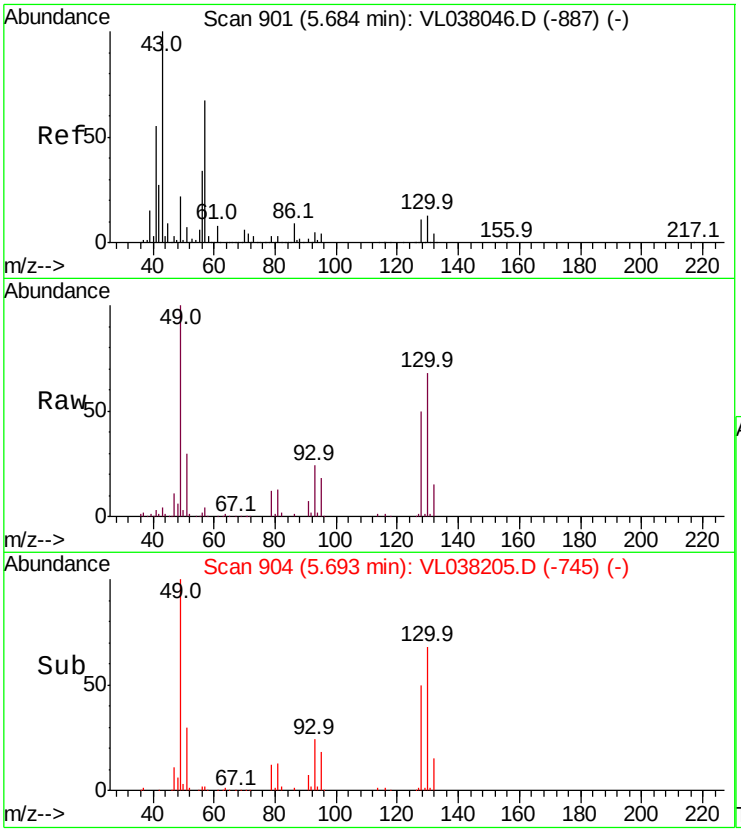


#25
Ethyl Acetate
Concen: 0.058 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 43 Resp: 13599

Ion	Ratio	Lower	Upper
43	100		
45	6.7	7.9	11.9#
61	5.0	7.8	11.6#
70	3.6	5.8	8.8#



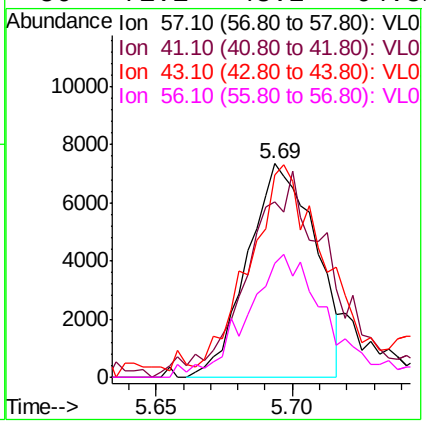


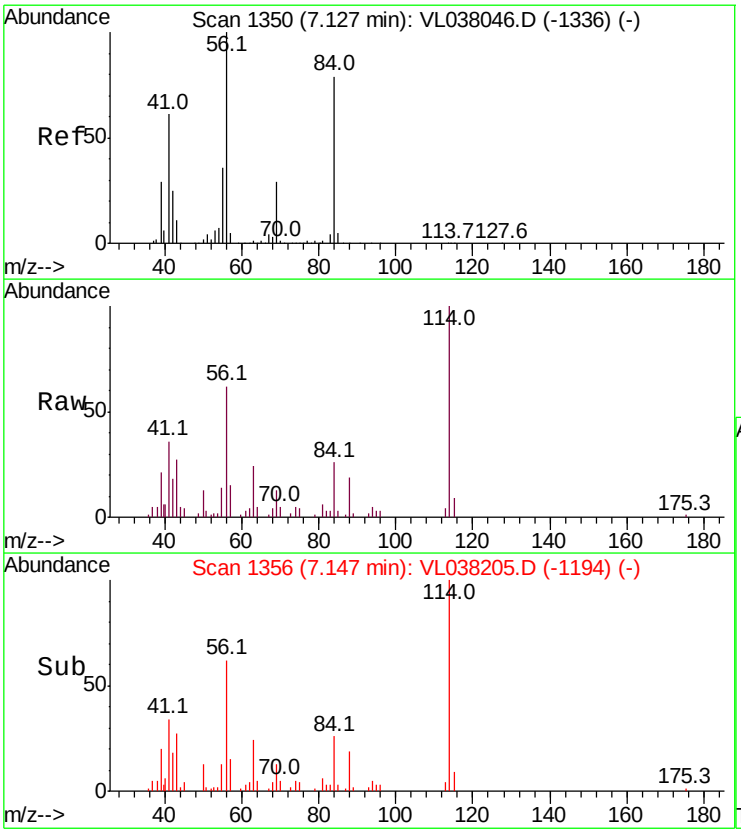
#26
Hexane
Concen: 0.112 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 12616

Ion	Ratio	Lower	Upper
57	100		
41	124.9	71.4	107.2#
43	132.7	174.6	261.8#
56	71.1	43.2	64.8#

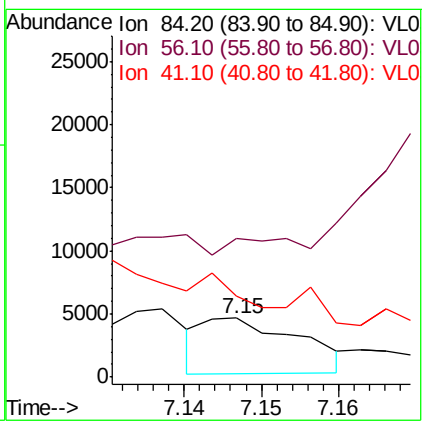


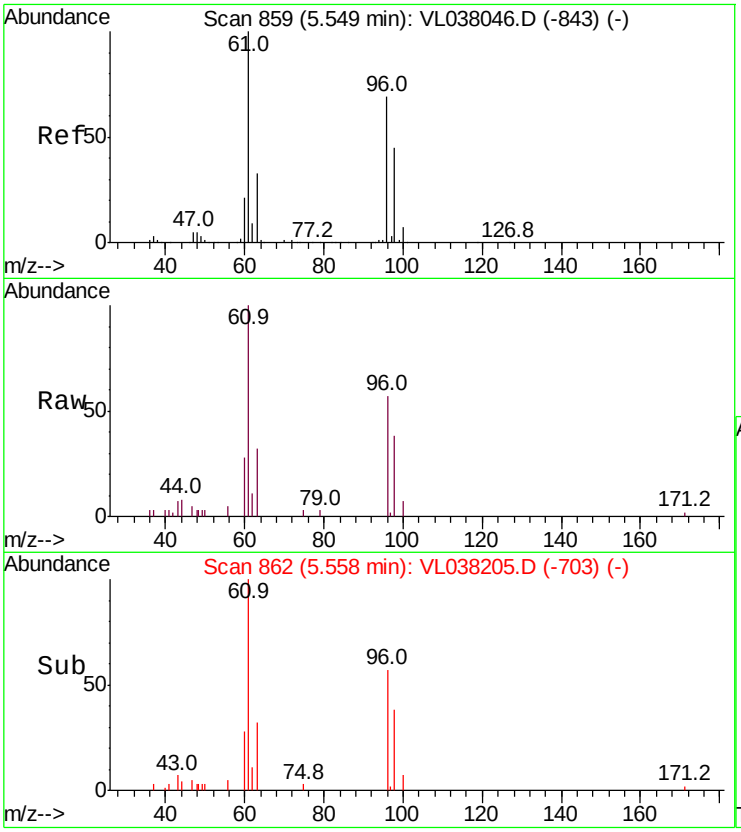


#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 84 Resp: 3783

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



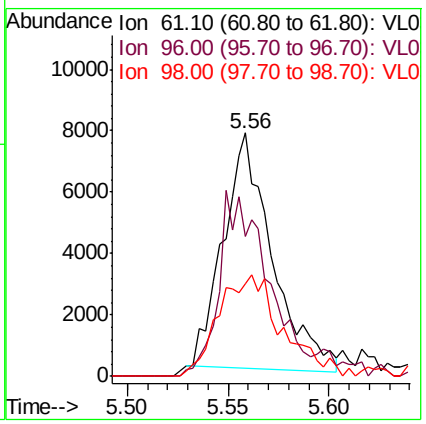


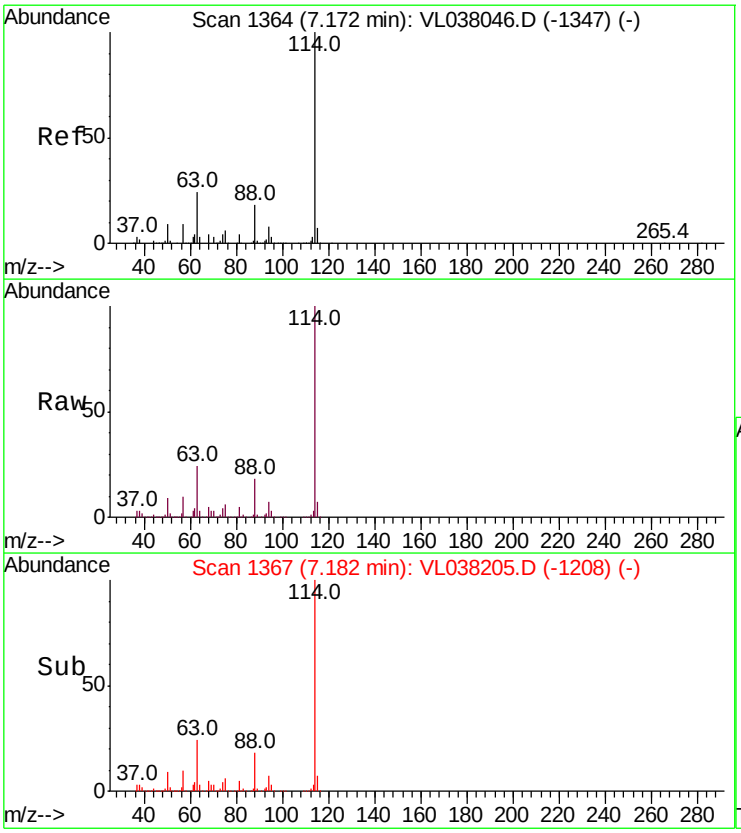
#31
cis-1,2-Dichloroethene
Concen: 0.121 ppbv
RT: 5.56
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 12979

Ion	Ratio	Lower	Upper
61	100		
96	57.3	55.4	83.2
98	37.7	35.7	53.5

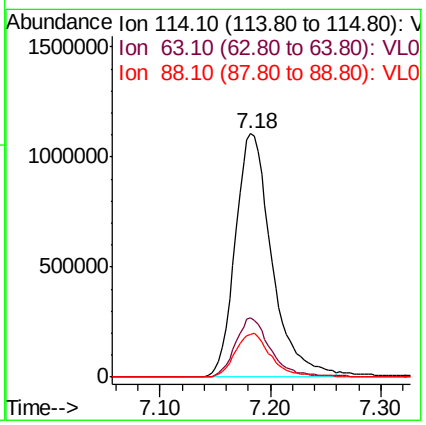


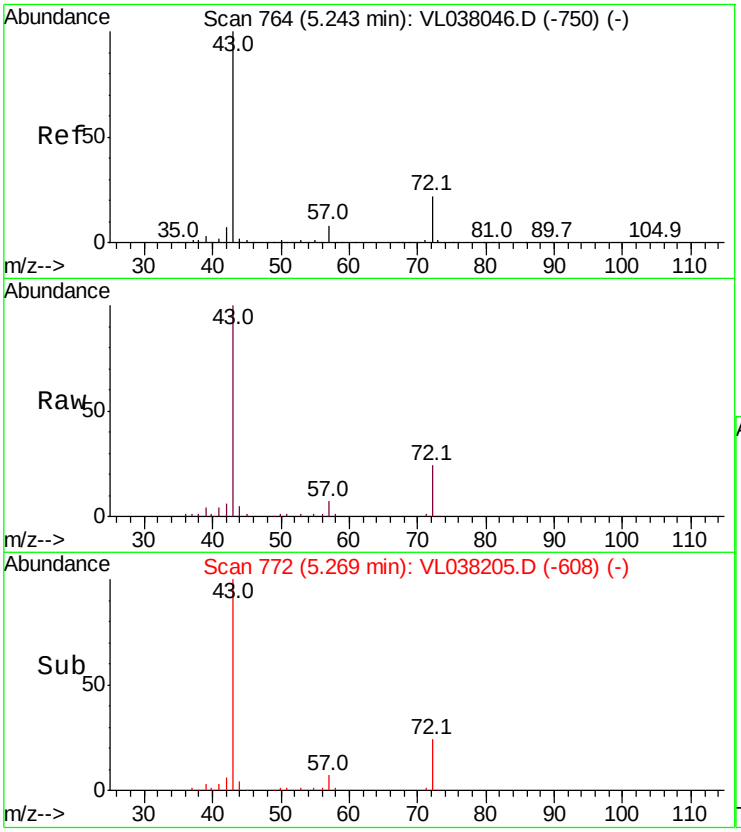


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion:114 Resp: 2539372

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.7	29.5
88	18.0	14.4	21.6



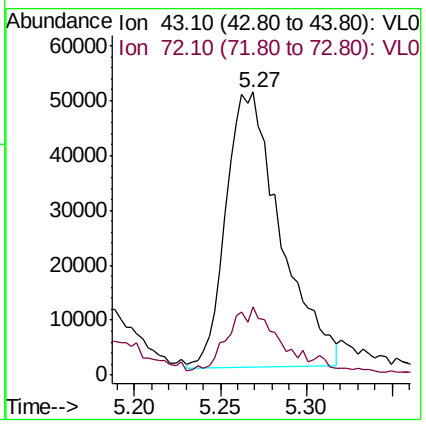


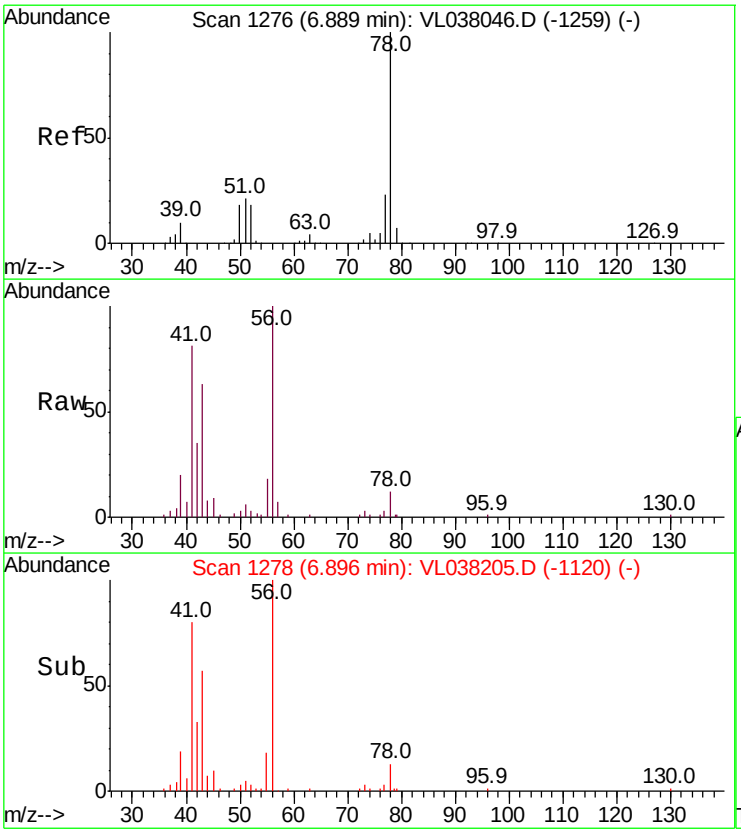
#34
2-Butanone
Concen: 1.076 ppbv
RT: 5.27
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 110225

Ion	Ratio	Lower	Upper
43	100		
72	28.1	18.8	28.2

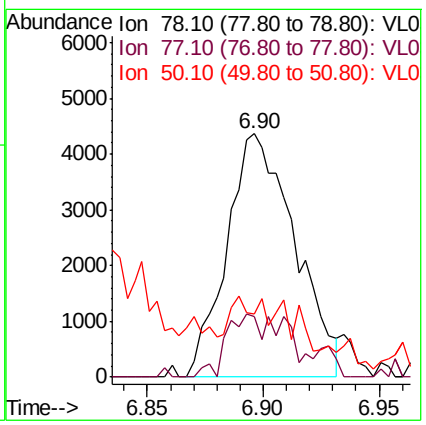


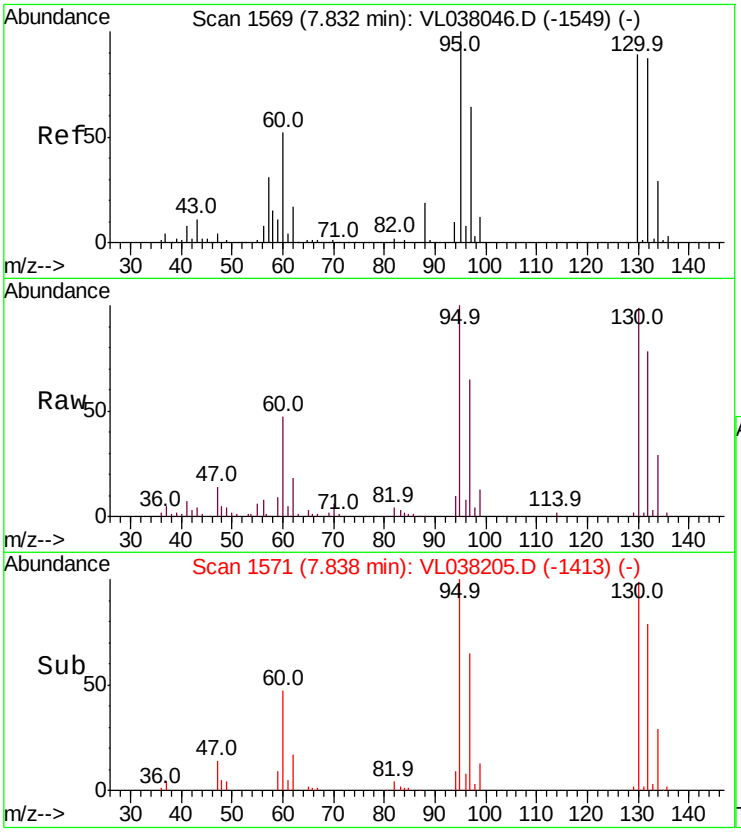


#36
Benzene
Concen: 0.035 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 78 Resp: 8896

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.4
50	14.2	14.7	22.1#



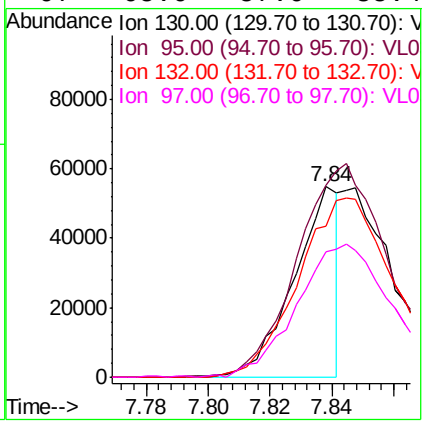


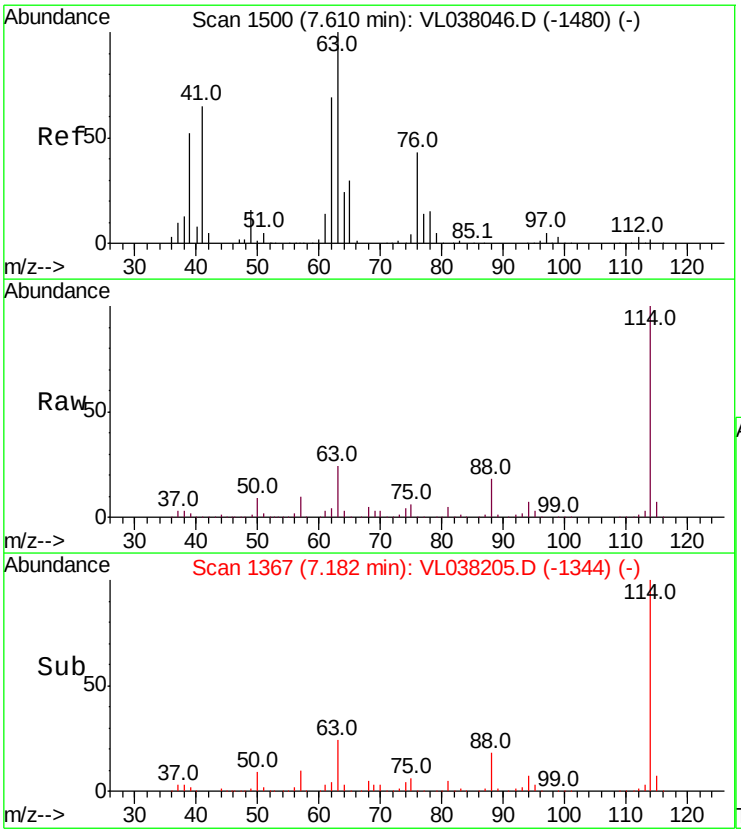
#38
Trichloroethene
Concen: 0.572 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 54618

Ion	Ratio	Lower	Upper
130	100		
95	100.7	89.4	134.2
132	79.1	78.2	117.2
97	65.0	57.0	85.4

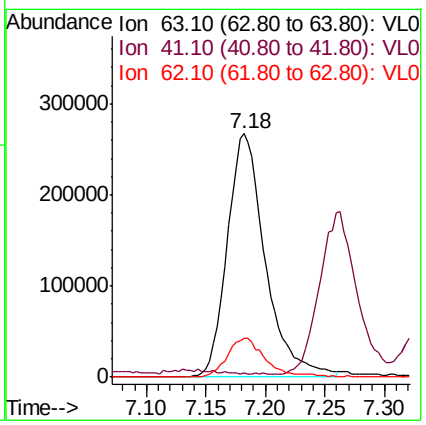


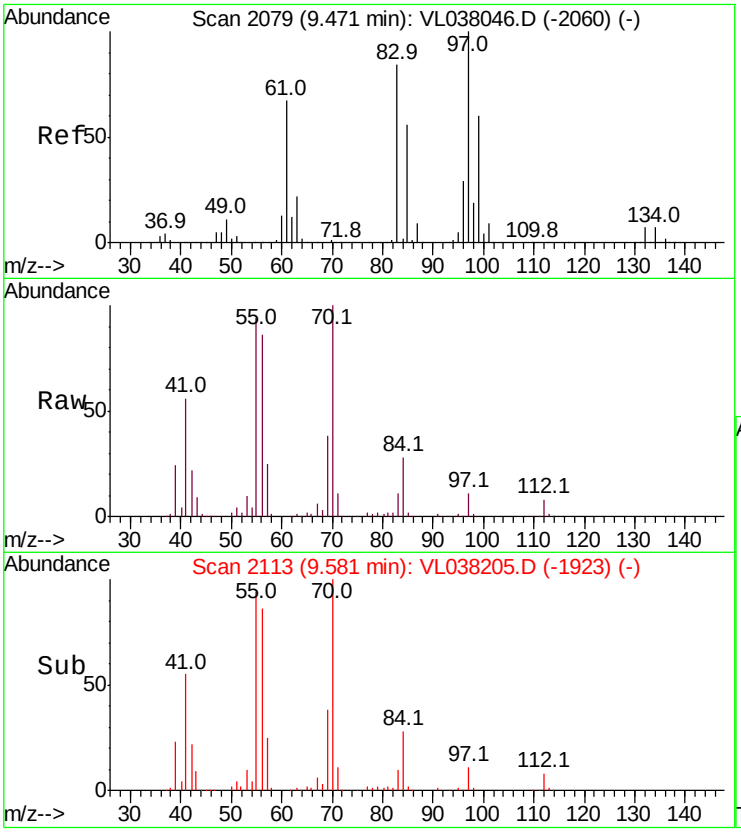


#39
1,2-Dichloropropane
Concen: 6.099 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.43 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 63 Resp: 592593

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	15.9	55.1	82.7#



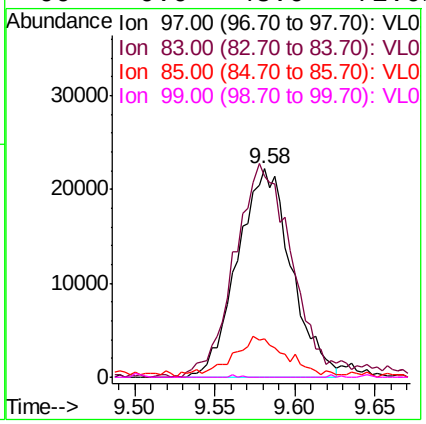


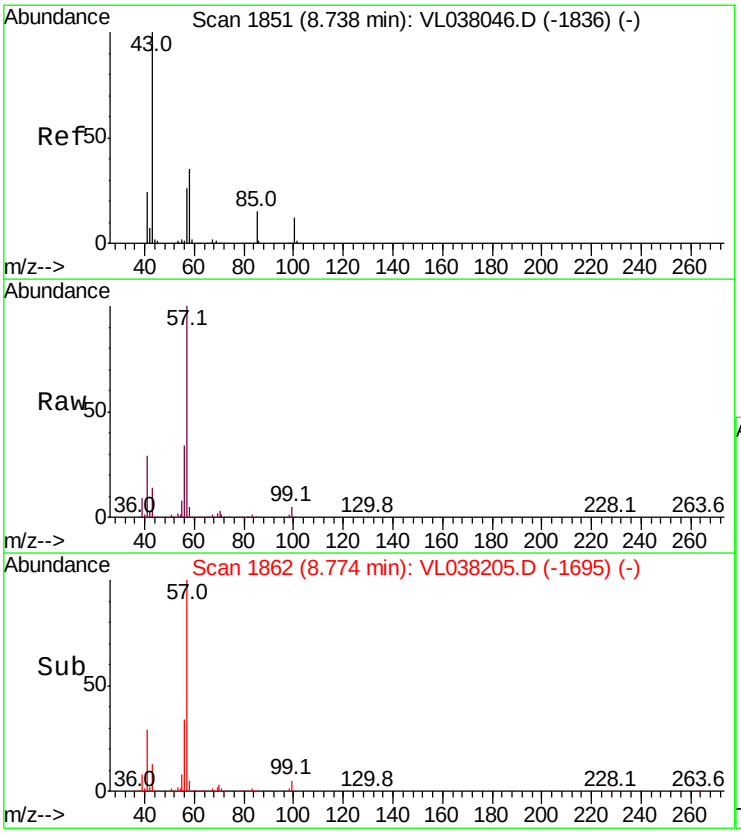
#47
1,1,2-Trichloroethane
Concen: 0.503 ppbv
RT: 9.58
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 51189

Ion	Ratio	Lower	Upper
97	100		
83	94.1	66.8	100.2
85	17.0	44.9	67.3#
99	0.0	48.0	72.0#

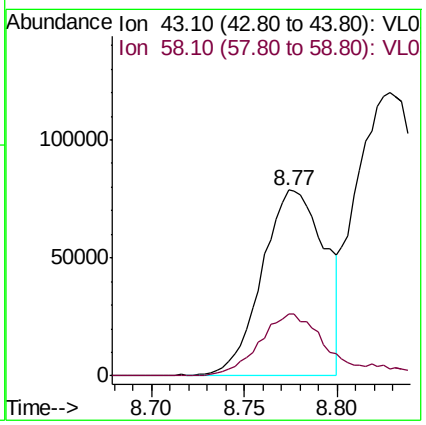


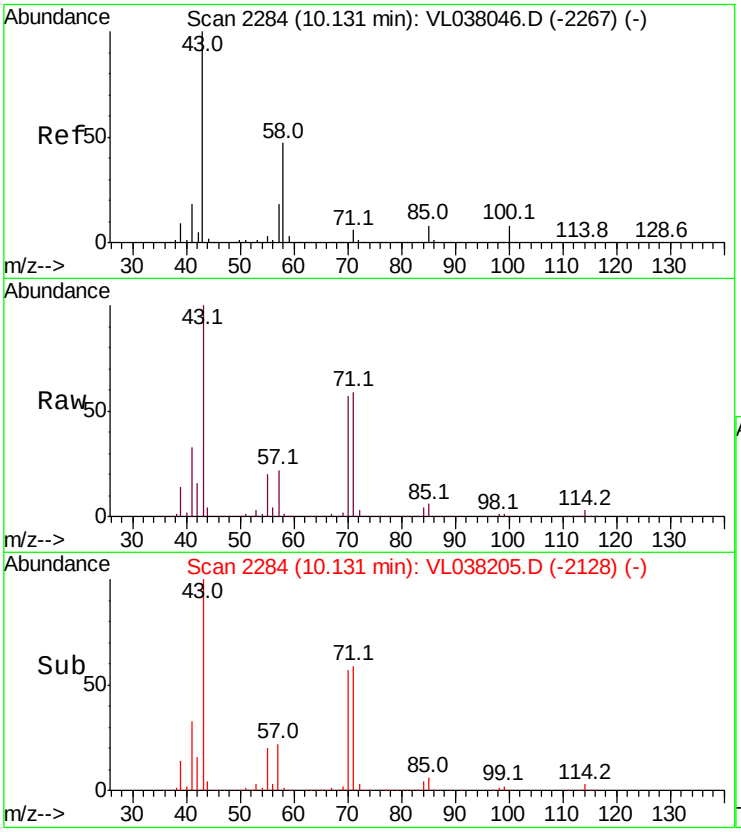


#50
4-Methyl-2-Pentanone
Concen: 1.182 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 43 Resp: 183828

Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.4	44.2



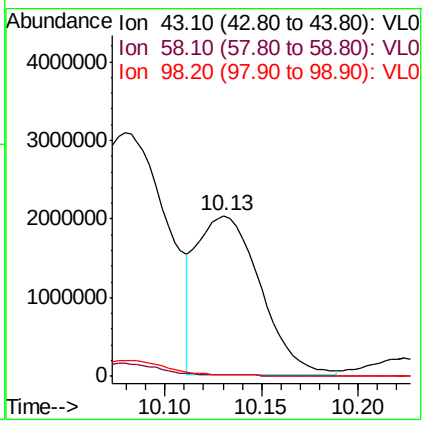


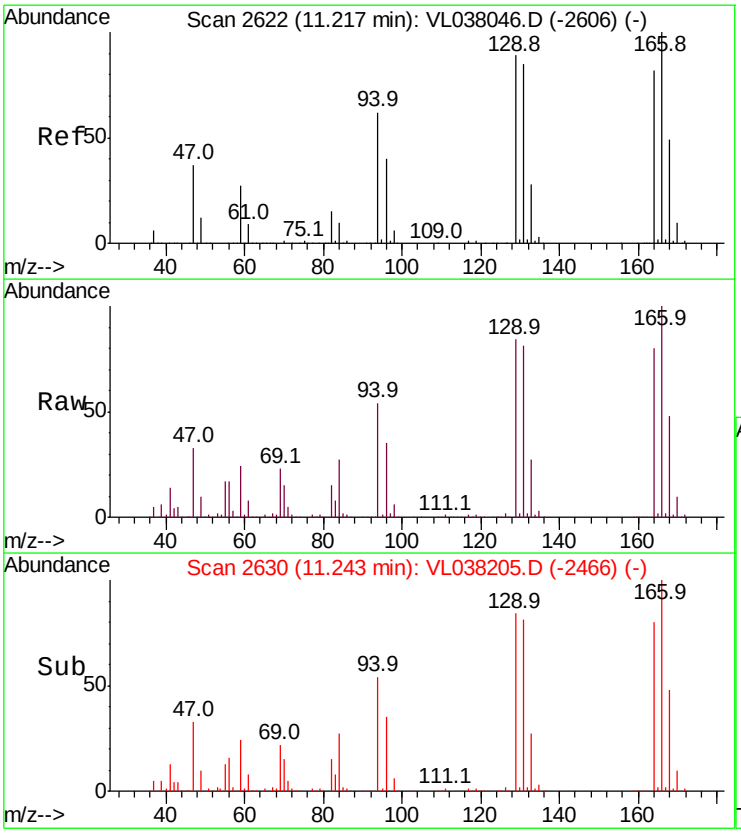
#51
2-Hexanone
Concen: 63.206 ppbv
RT: 10.13
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 4624138

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

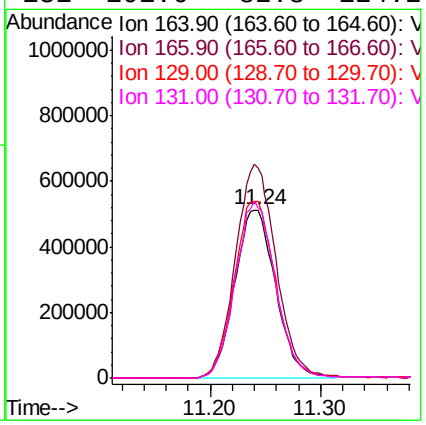


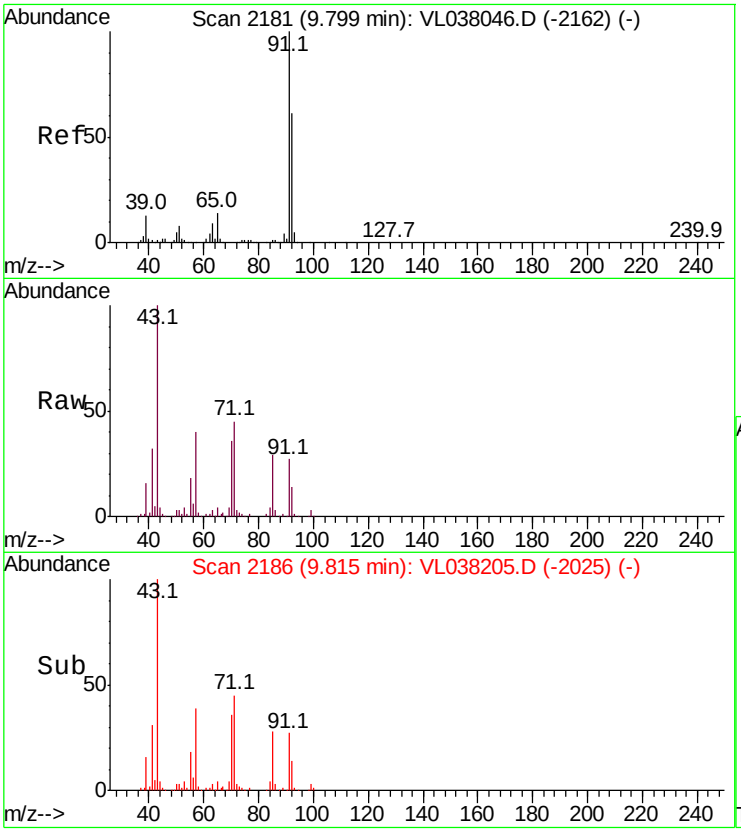


#52
Tetrachloroethene
Concen: 14.001 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion:164 Resp: 1312297

Ion	Ratio	Lower	Upper
164	100		
166	124.8	97.2	145.8
129	105.2	86.9	130.3
131	101.6	82.8	124.2



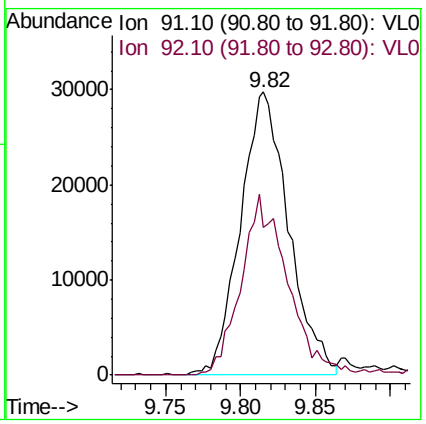


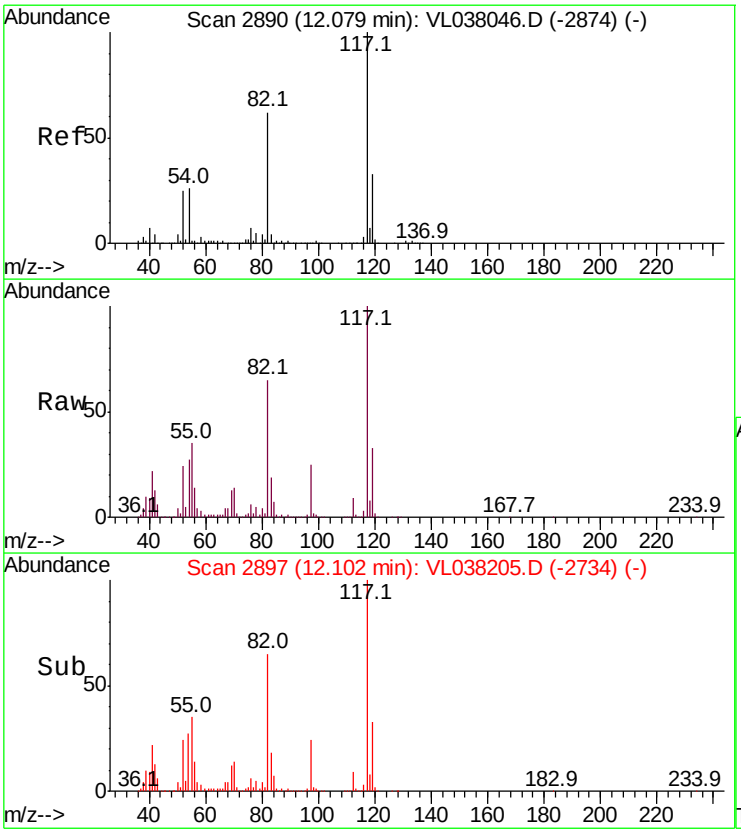
#53
Toluene
Concen: 0.229 ppbv
RT: 9.82
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 66731

Ion	Ratio	Lower	Upper
91	100		
92	63.2	49.7	74.5

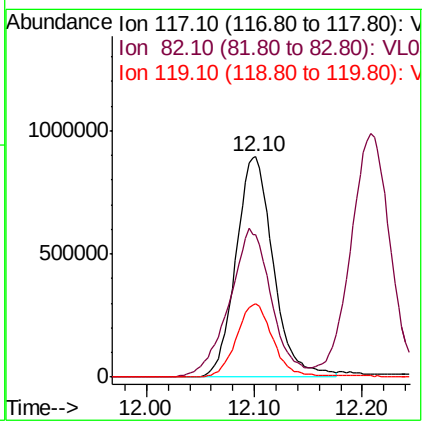


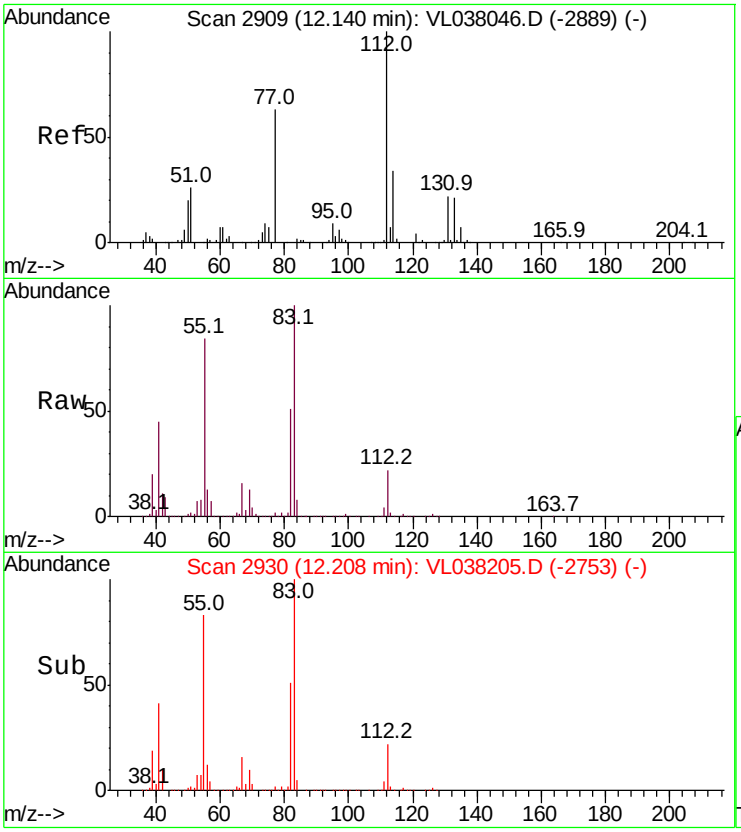


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion:117 Resp: 2154347

Ion	Ratio	Lower	Upper
117	100		
82	76.3	52.8	79.2
119	33.5	26.8	40.2



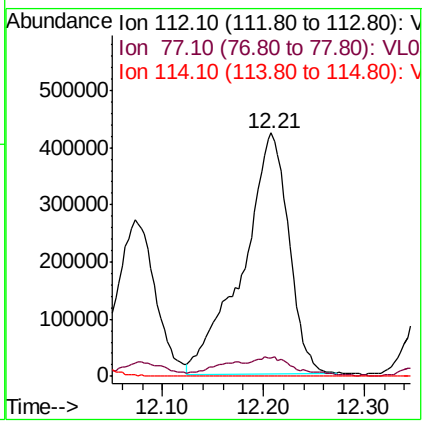


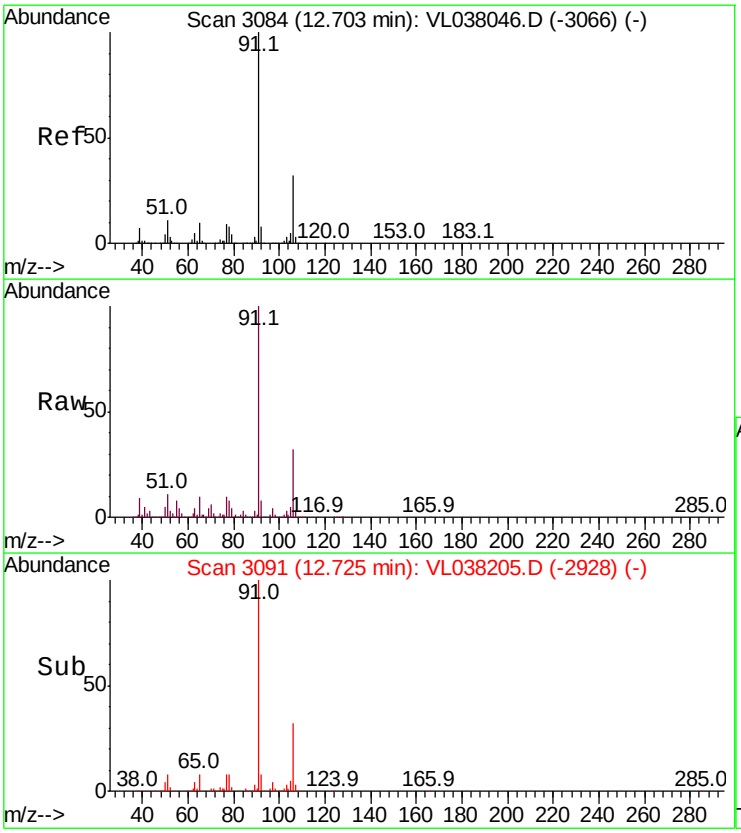
#57
Chlorobenzene
Concen: 6.915 ppbv
RT: 12.21
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1335176

Ion	Ratio	Lower	Upper
112	100		
77	6.5	50.3	75.5#
114	0.3	30.7	37.5#

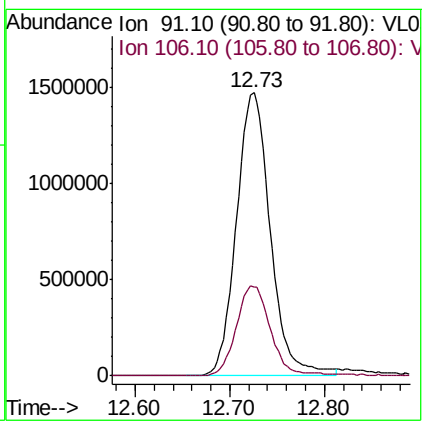


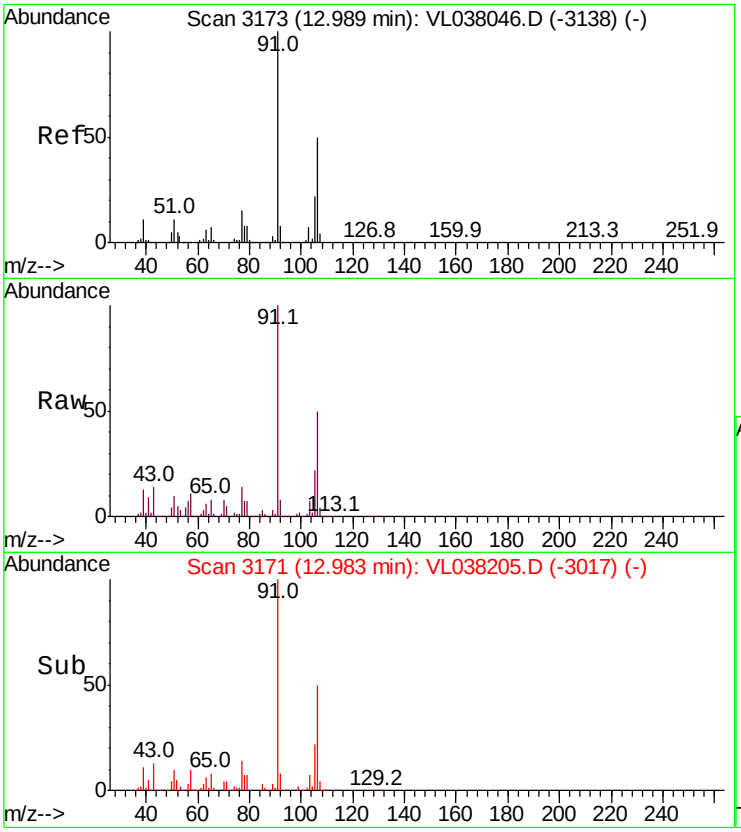


#58
Ethyl Benzene
Concen: 10.303 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 91 Resp: 3668728

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.8	38.6



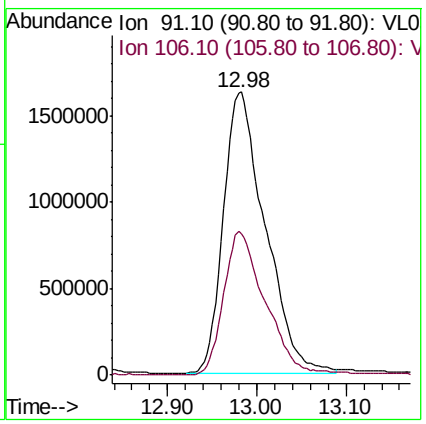


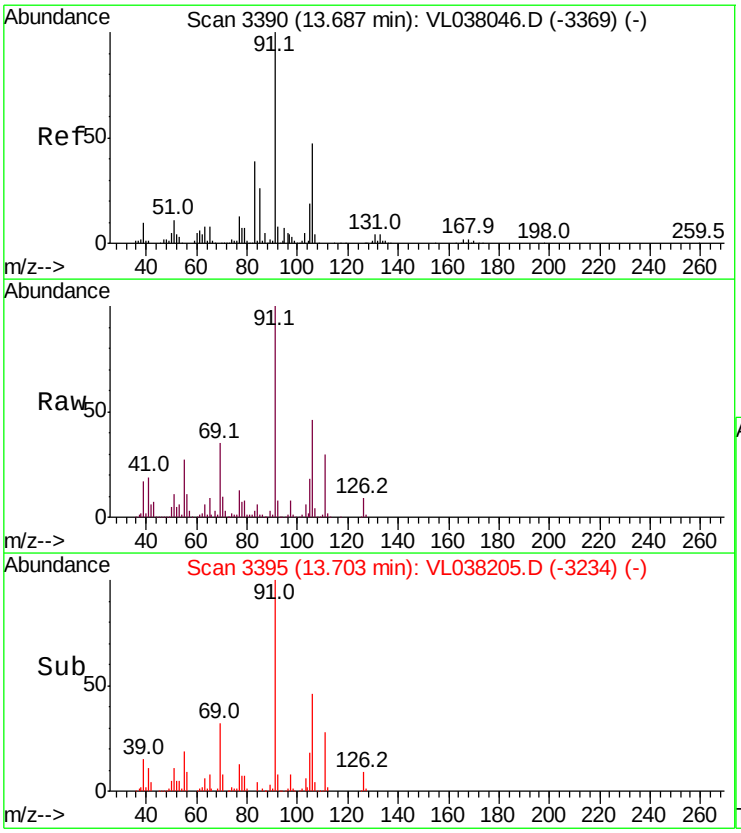
#59
m/p-Xylene
Concen: 17.593 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 5273293

Ion	Ratio	Lower	Upper
91	100		
106	50.8	38.1	57.1

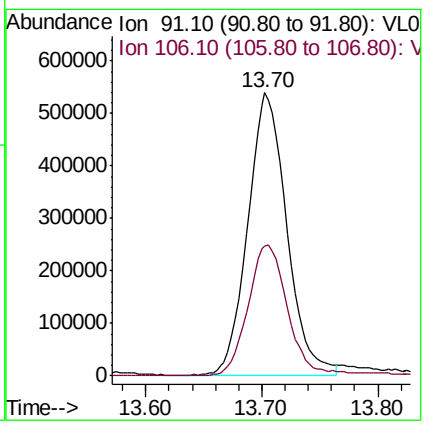


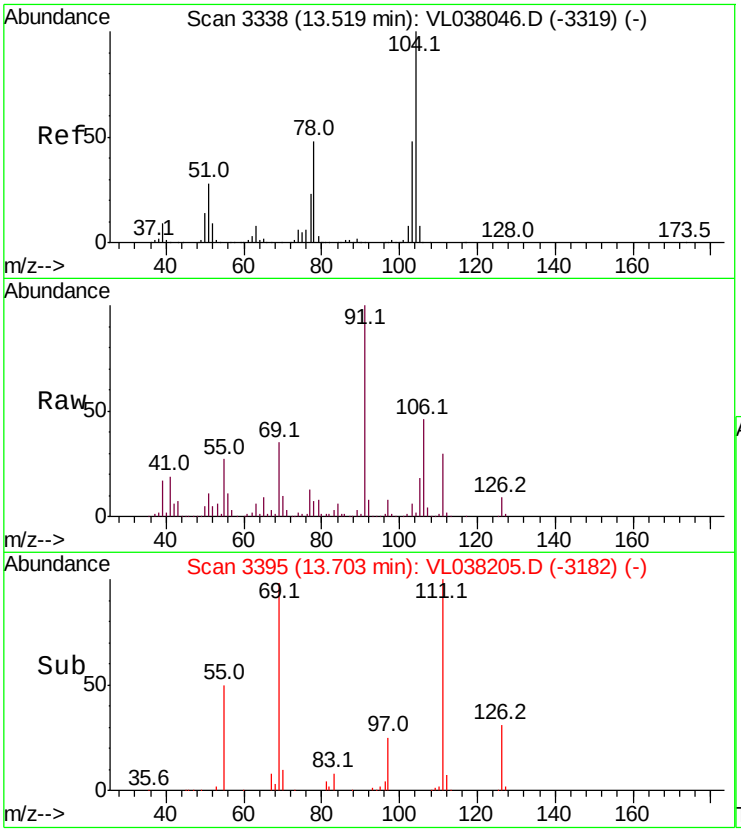


#60
o-Xylene
Concen: 4.523 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.02 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 91 Resp: 1257591

Ion	Ratio	Lower	Upper
91	100		
106	49.2	24.2	72.6



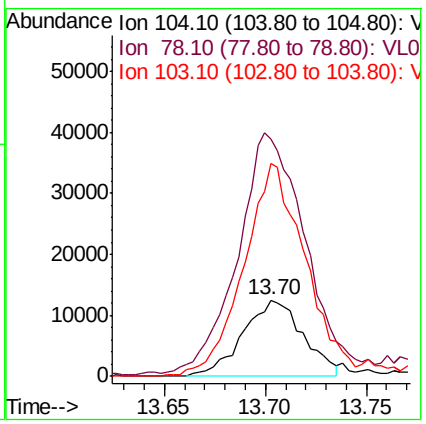


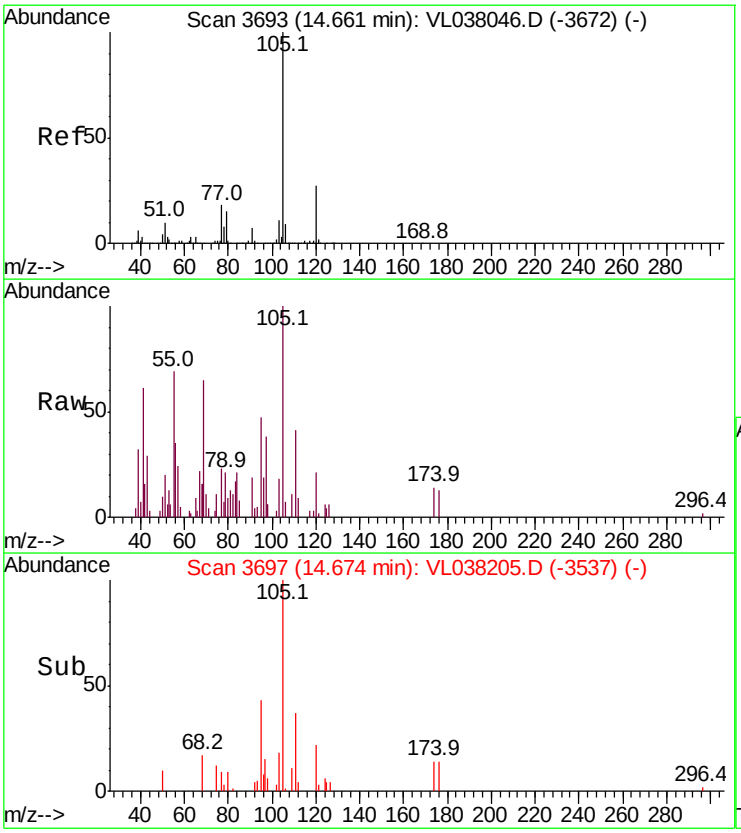
#61
Stvrene
Concen: 0.175 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 26116

Ion	Ratio	Lower	Upper
104	100		
78	359.8	39.8	59.6#
103	301.7	38.2	57.2#

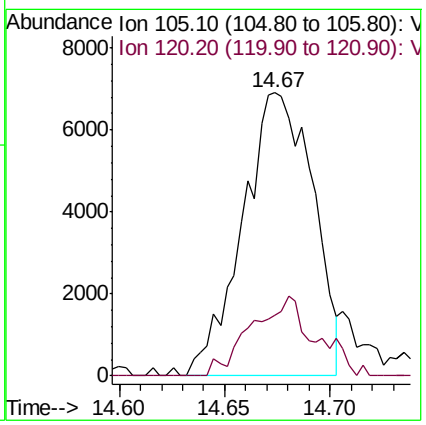


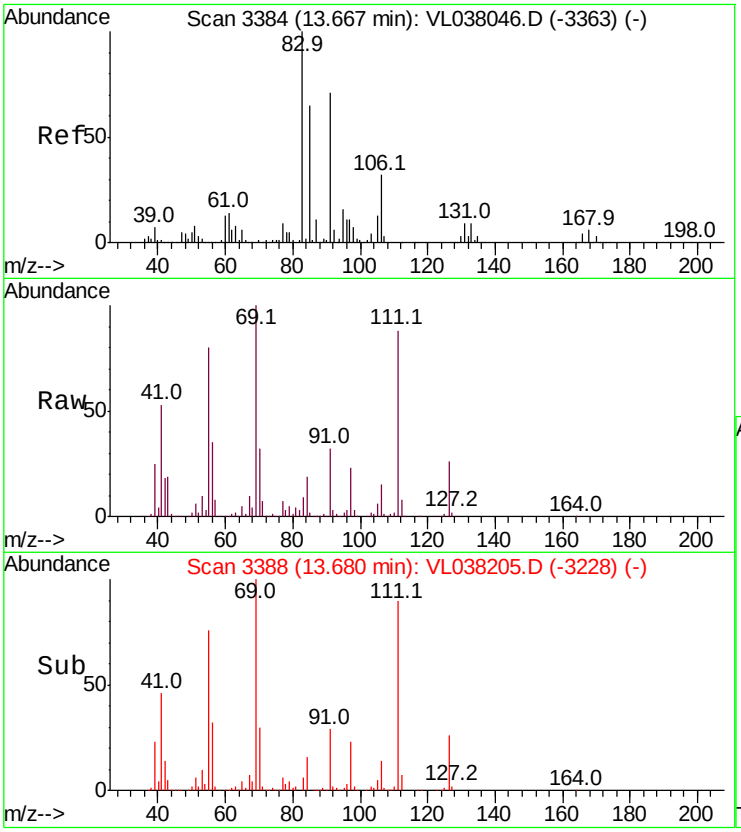


#62
Isopropylbenzene
Concen: 0.041 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion:105 Resp: 15990

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.8	32.6



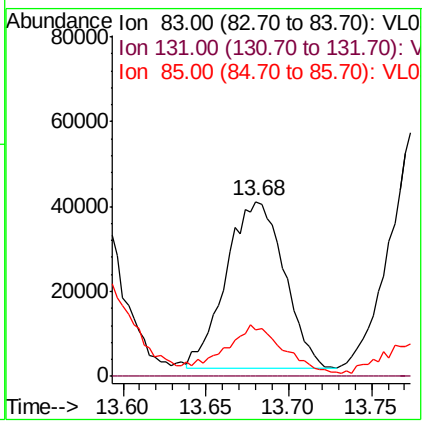


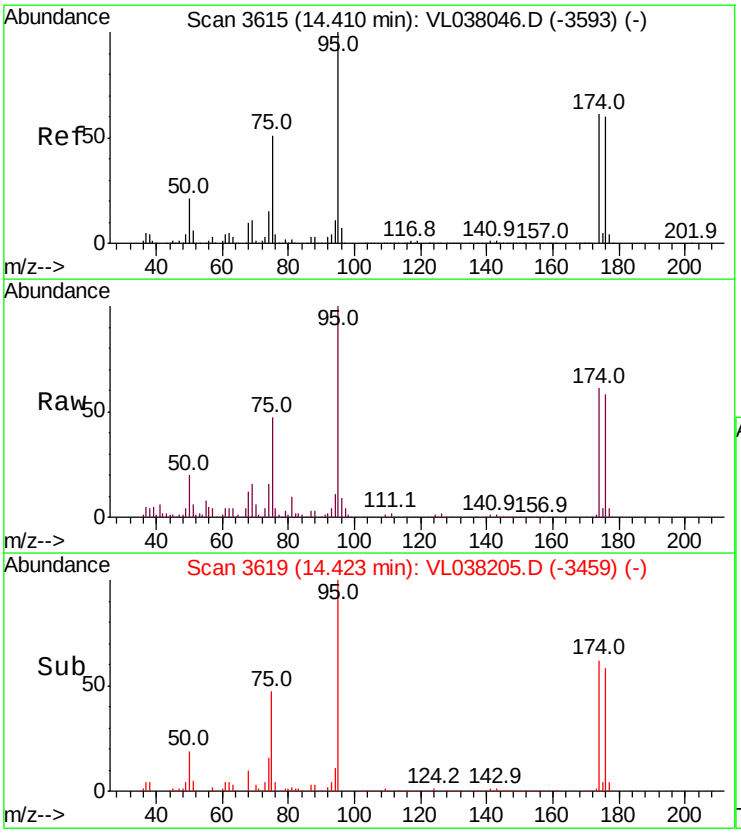
#63
1,1,2,2-Tetrachloroethane
Concen: 0.461 ppbv
RT: 13.68
Delta R.T
Lab File:
Acq: 17 Dec 2021 1:37

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 95263

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	29.6	33.4	100.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 12.146 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL038205.D
Acq: 17 Dec 2021 1:37

Tgt Ion: 95 Resp: 1887405

Ion	Ratio	Lower	Upper
95	100		
174	60.9	53.1	79.7
175	4.6	4.0	6.0