Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
Data File : VL038244.D
Acq On : 29 Dec 2021 22:34
Operator : SY/AP
Sample : M5252-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Dec 30 06:22:16 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	640643	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1626705	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	1398818	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1116385	10.36	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	30891	0.256	ppbv		95
3) Chlorodifluoromethane	3.00	51	59391	0.441	ppbv	#	81
4) Chloromethane	3.15	50	18968	0.406	ppbv		97
7) Chloroethane	3.56	64	482	0.031	ppbv	#	88
9) Propene	3.21	41	39832	0.852	ppbv		95
10) Heptane	8.13	43	7259	0.061	ppbv	#	61
11) Trichlorofluoromethane	3.96	101	309268	2.790	ppbv		100
13) Ethanol	3.61	45	1849185	233.342	ppbv	#	100
15) Acetone	3.85	43	4577987	71.202	ppbv		99
16) 1,3-Butadiene	3.32	39	2226	0.051	ppbv	#	68
19) Isopropyl Alcohol	3.97	45	1106092	27.581	ppbv	#	1
20) Methylene Chloride	4.35	84	105164	2.897	ppbv		93
23) Vinyl Acetate	5.07	43	9338	0.107	ppbv	#	37
25) Ethyl Acetate	5.68	43	114590	0.658	ppbv	#	96
26) Hexane	5.69	57	64215	0.735	ppbv		88
34) 2-Butanone	5.26	43	17811	0.364	ppbv	#	86
35) Carbon Tetrachloride	7.01	117	4143	0.041	ppbv		88
36) Benzene	6.89	78	35667	0.235	ppbv		99
38) Trichloroethene	7.83	130	33625	0.582	ppbv		98
39) 1,2-Dichloropropane	7.18	63	442306	7.574	ppbv	#	25
41) Tetrahydrofuran	6.06	42	1381	0.039	ppbv	#	81
44) 2,2,4-Trimethylpentane	7.87	57	25409	0.099	ppbv	#	64
52) Tetrachloroethene	11.22	164	111430	1.990	ppbv		98
53) Toluene	9.80	91	26891	0.154	ppbv	#	22
58) Ethyl Benzene	12.71	91	13441	0.062	ppbv		95
59) m/p-Xylene	13.00	91	16055	0.087	ppbv	#	30
60) o-Xylene	13.69	91	12623	0.073	ppbv	#	33
61) Styrene	13.52	104	3139	0.036	ppbv	#	32
62) Isopropylbenzene	14.66	105	14185	0.059	ppbv		94
74) 1,2,4-Trimethylbenzene	16.76	105	6531	0.035	ppbv	#	77

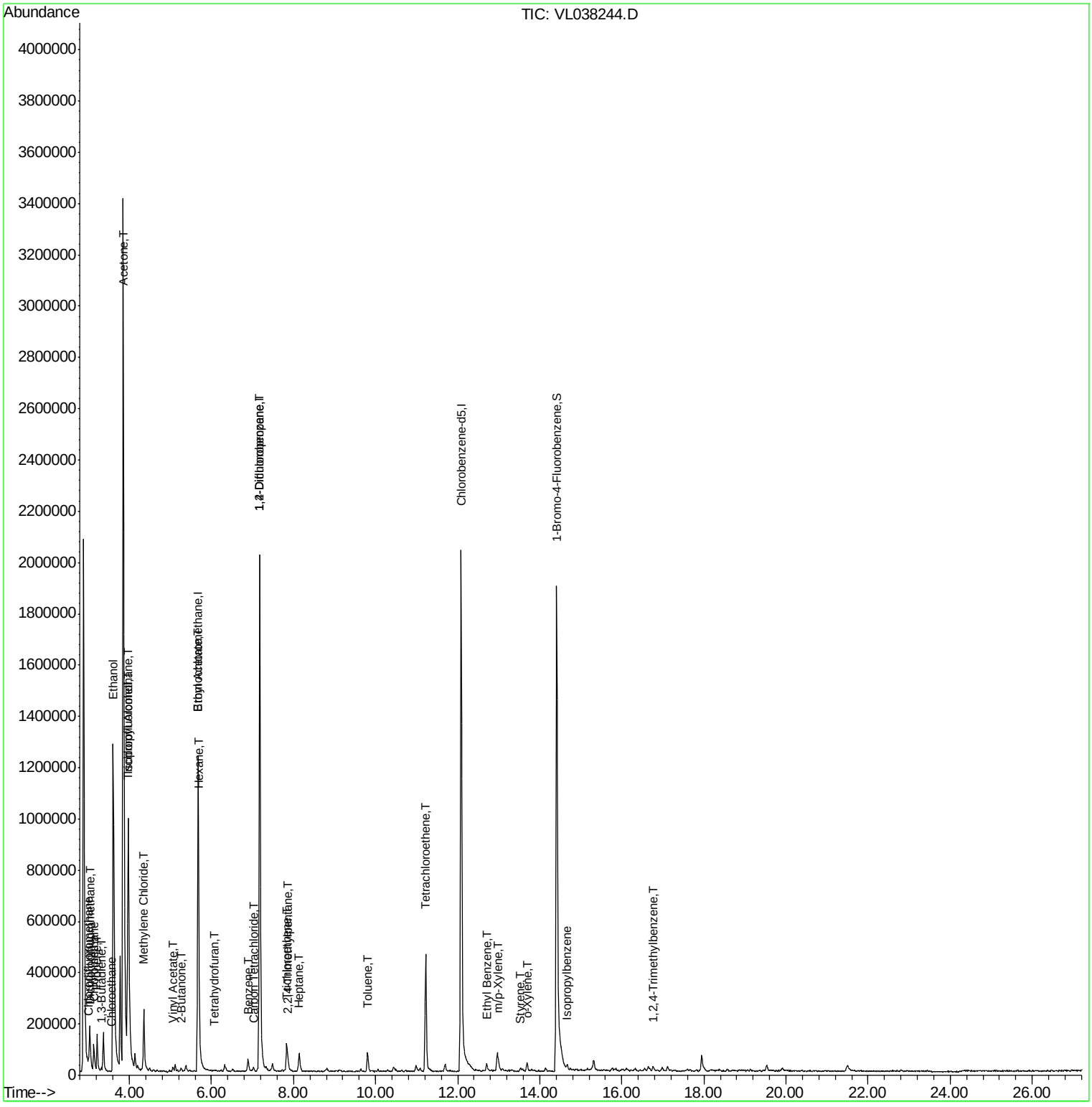
(#) = qualifier out of range (m) = manual integration (+) = signals summed

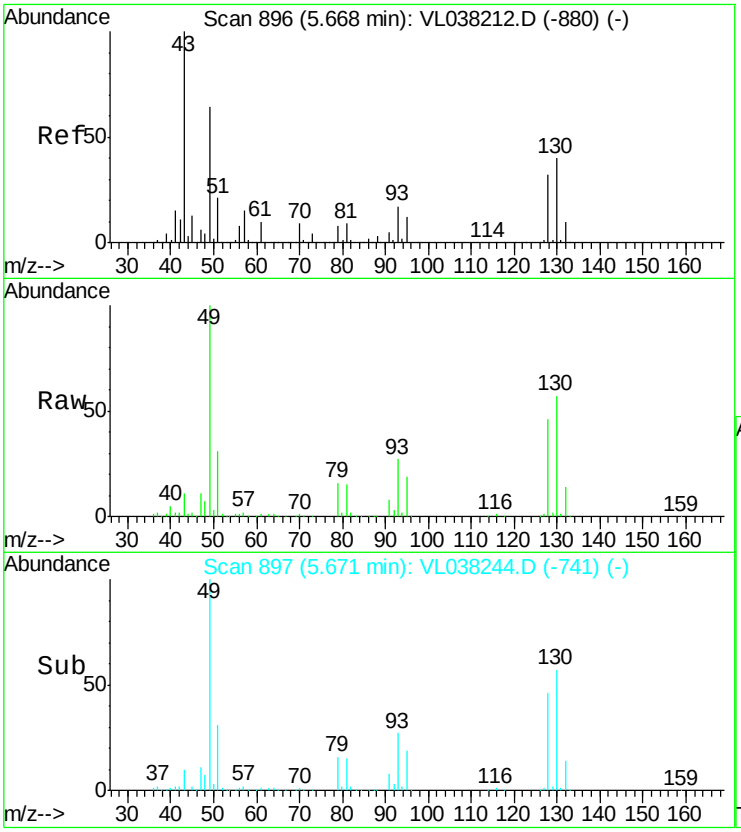
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
Data File : VL038244.D
Acq On : 29 Dec 2021 22:34
Operator : SY/AP
Sample : M5252-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Dec 30 06:22:16 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration



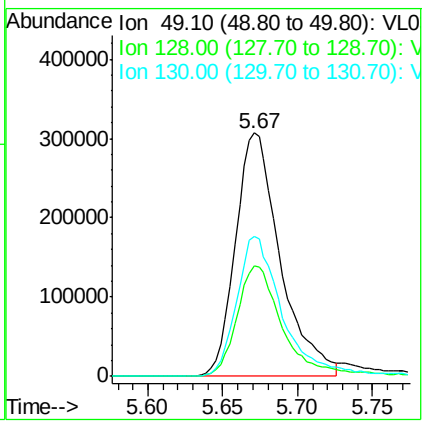


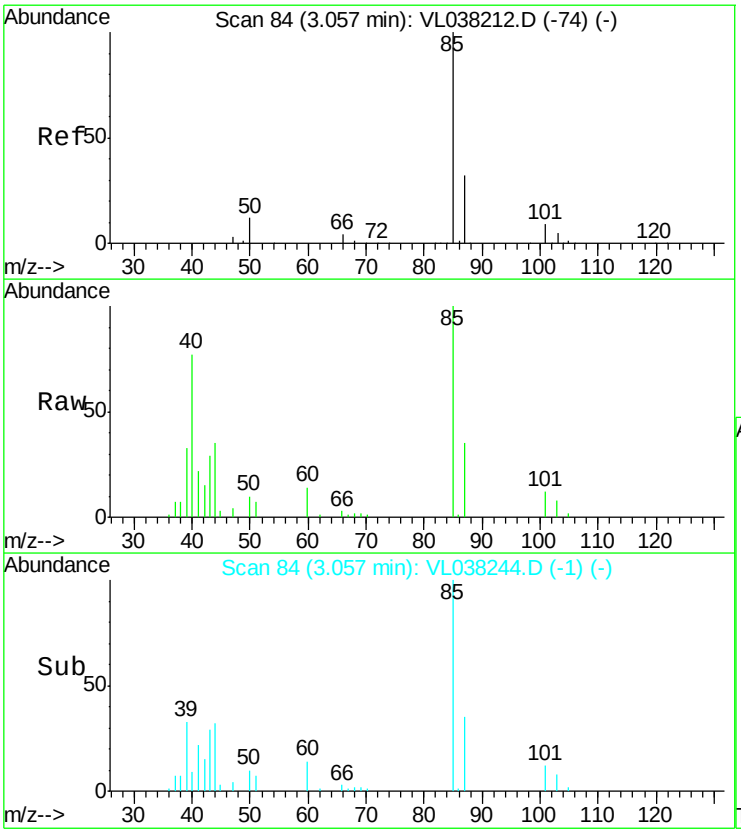
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 640643

Ion	Ratio	Lower	Upper
49	100		
128	47.5	26.9	80.6
130	60.2	32.3	96.9

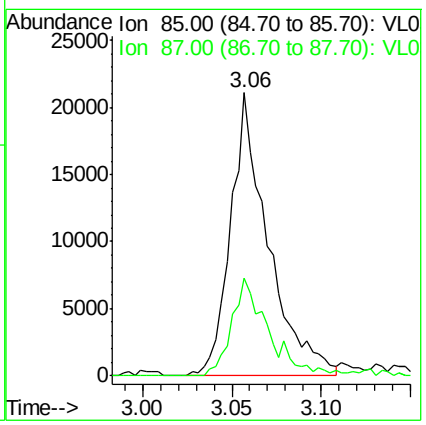


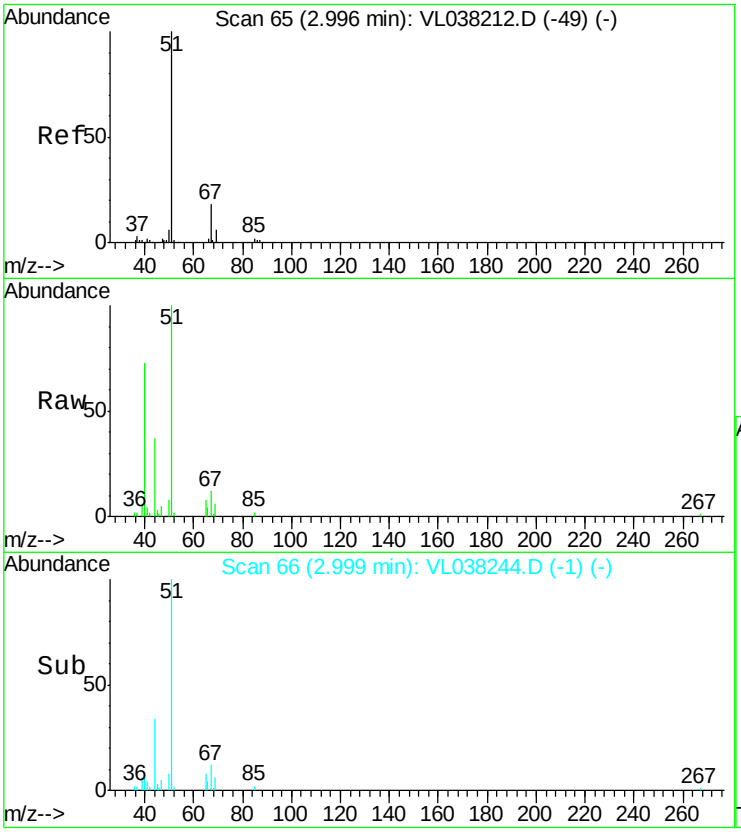


#2
Dichlorodifluoromethane
Concen: 0.256 ppbv
RT: 3.06 min Scan# 84
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 85 Resp: 30891

Ion	Ratio	Lower	Upper
85	100		
87	34.5	25.4	38.2



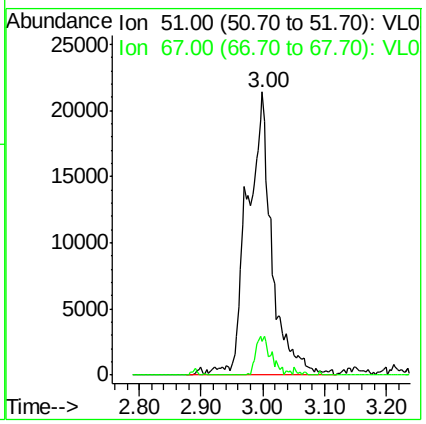


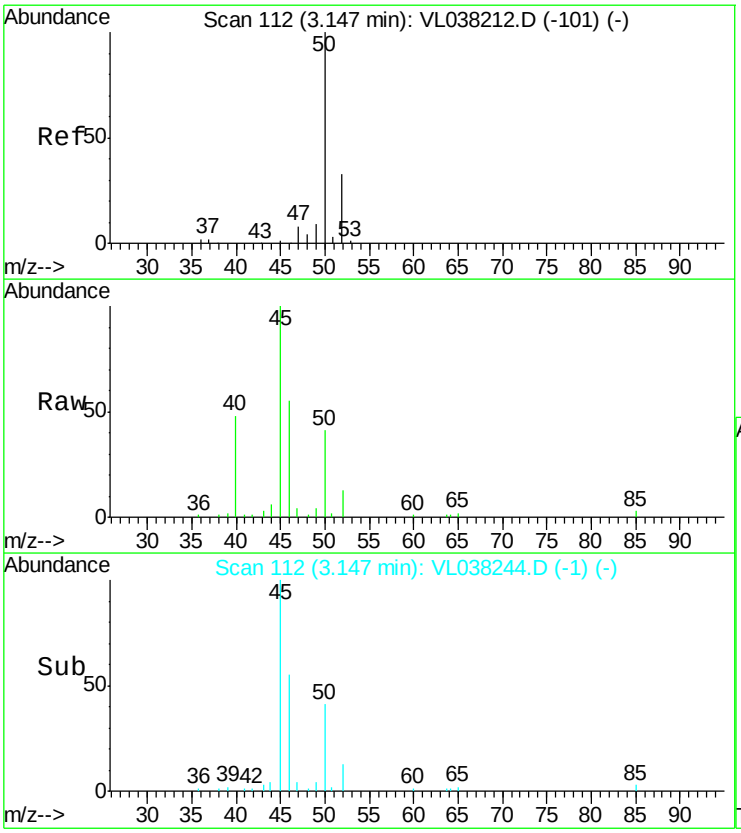
#3
Chlorodifluoromethane
Concen: 0.441 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 59391

Ion	Ratio	Lower	Upper
51	100		
67	9.3	14.0	21.0#

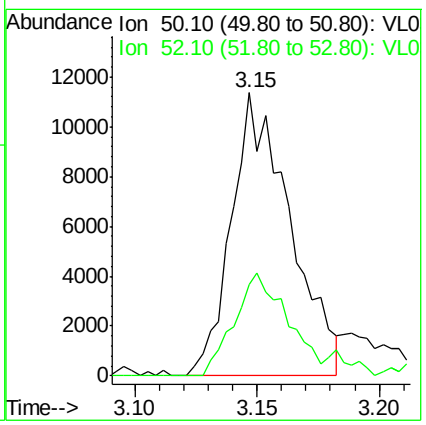


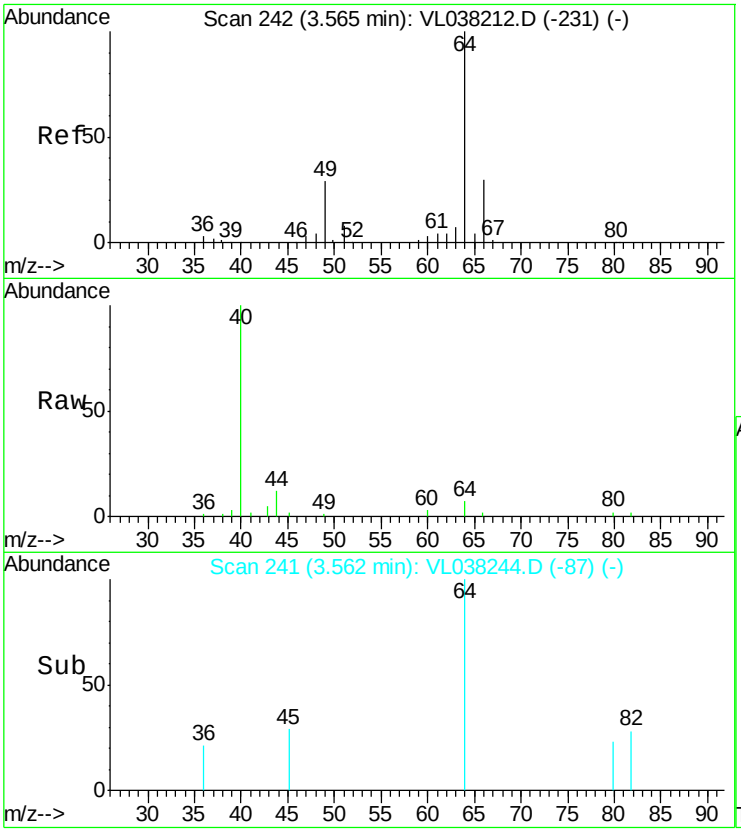


#4
Chloromethane
Concen: 0.406 ppbv
RT: 3.15 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 50 Resp: 18968

Ion	Ratio	Lower	Upper
50	100		
52	30.9	26.2	39.2



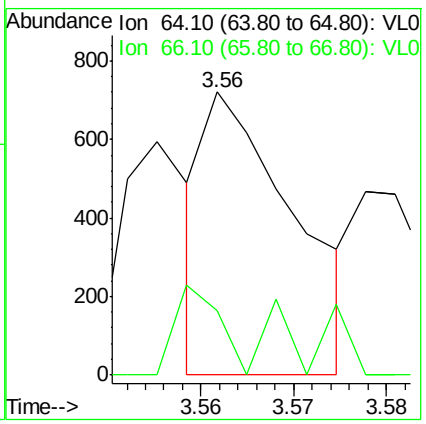


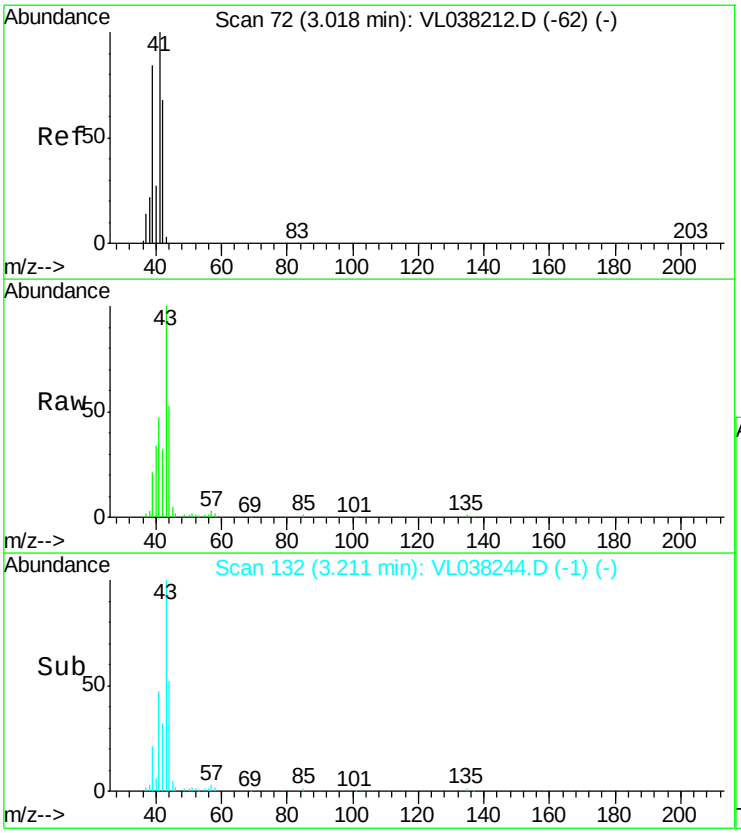
#7
Chloroethane
Concen: 0.031 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 64 Resp: 482

Ion	Ratio	Lower	Upper
64	100		
66	22.9	23.6	35.4#

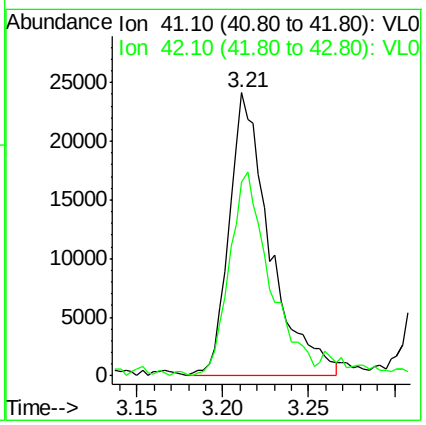


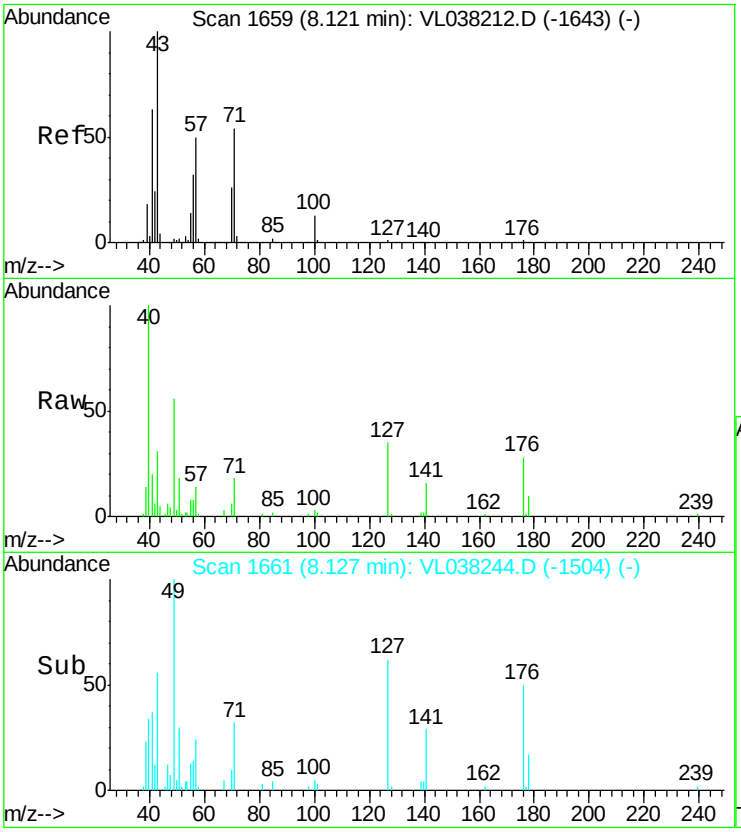


#9
Propene
Concen: 0.852 ppbv
RT: 3.21 min Scan# 132
Delta R.T. 0.19 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 41 Resp: 39832

Ion	Ratio	Lower	Upper
41	100		
42	73.3	55.5	83.3



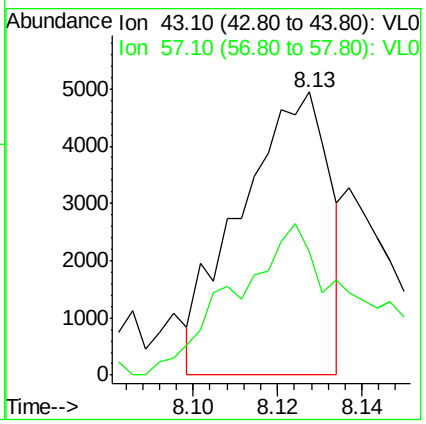


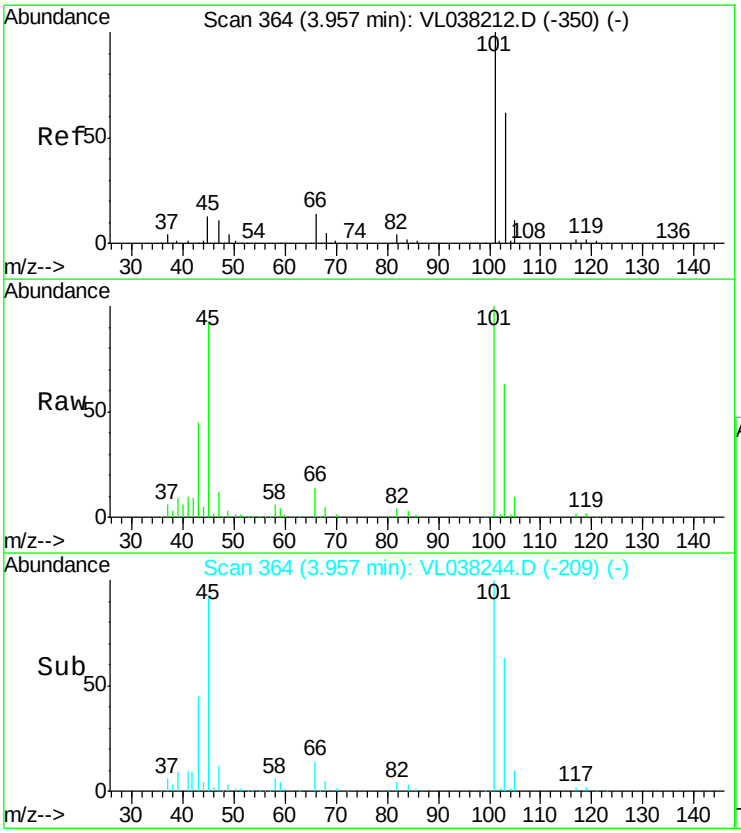
#10
Heptane
Concen: 0.061 ppbv
RT: 8.13
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 7259

Ion	Ratio	Lower	Upper
43	100		
57	77.6	40.3	60.5#

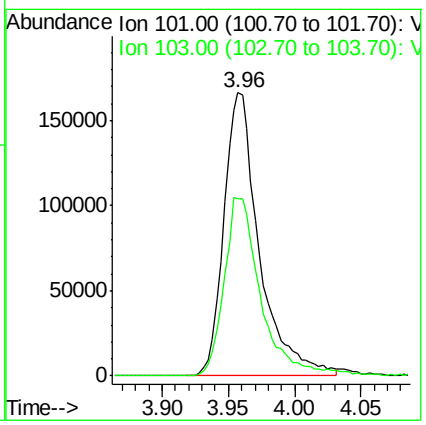


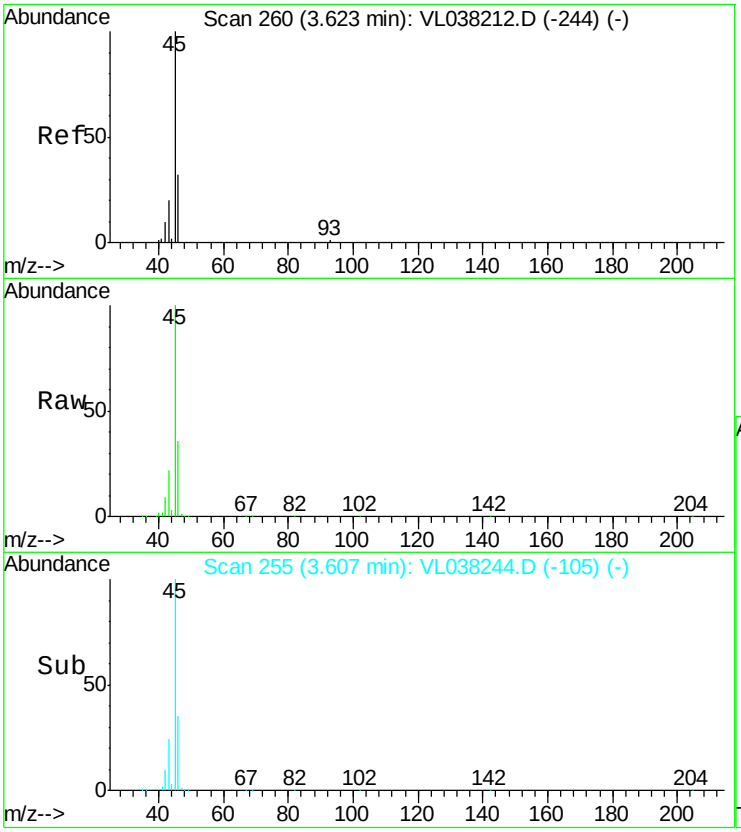


#11
Trichlorofluoromethane
Concen: 2.790 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion:101 Resp: 309268

Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.9	74.9



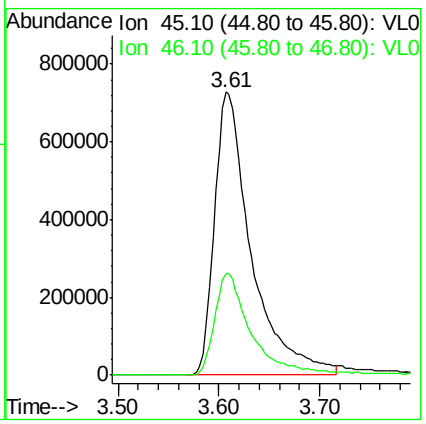


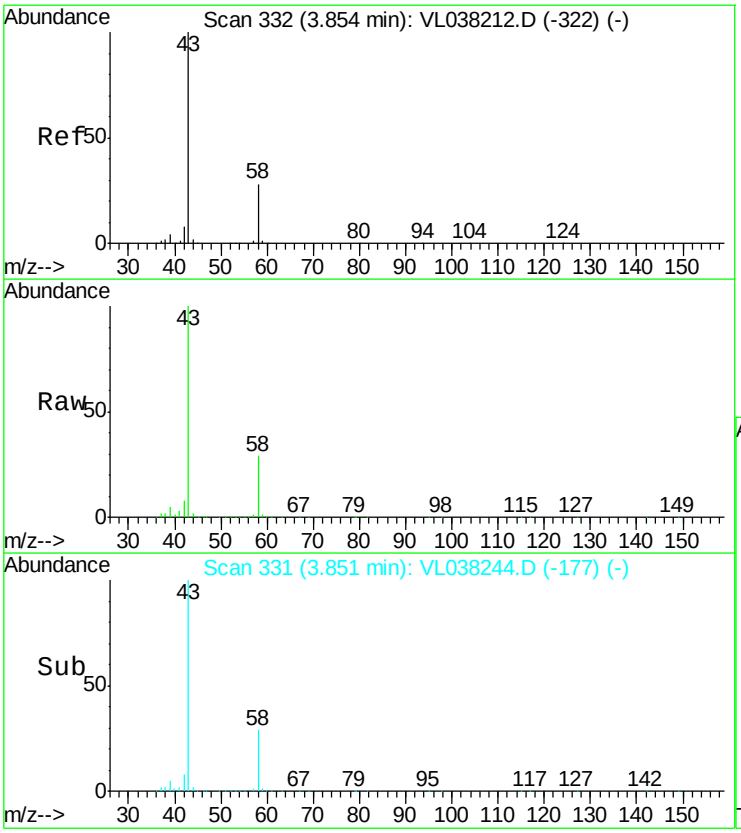
#13
Ethanol
Concen: 233.342 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 45 Resp: 1849185

Ion	Ratio	Lower	Upper
45	100		
46	36.7	0.0	0.0#

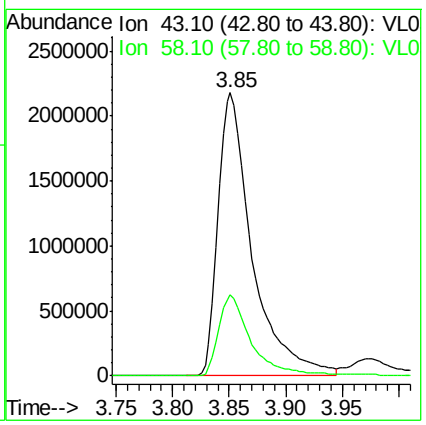


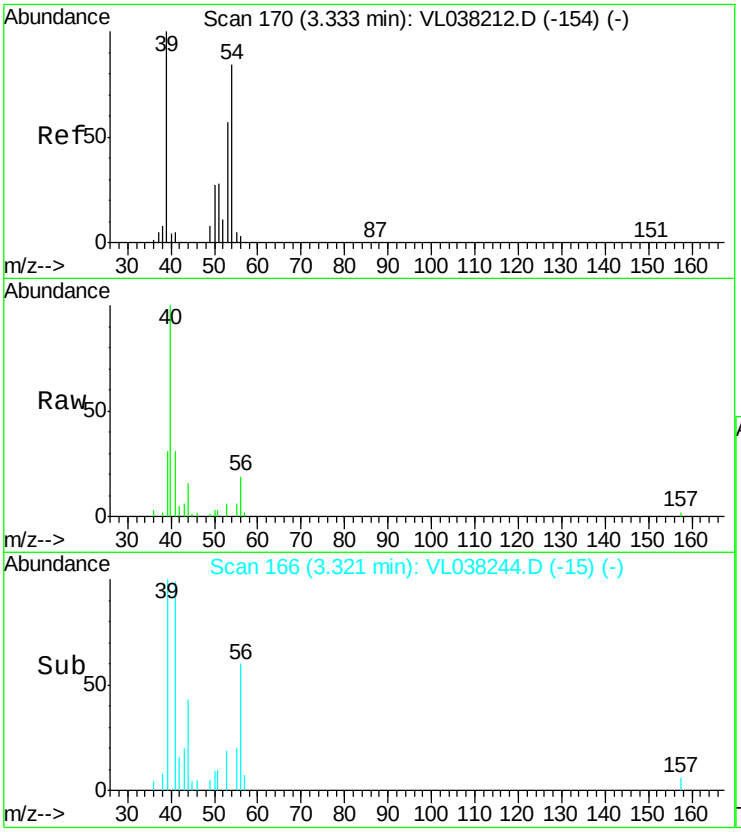


#15
Acetone
Concen: 71.202 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 43 Resp: 4577987

Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.3	34.9



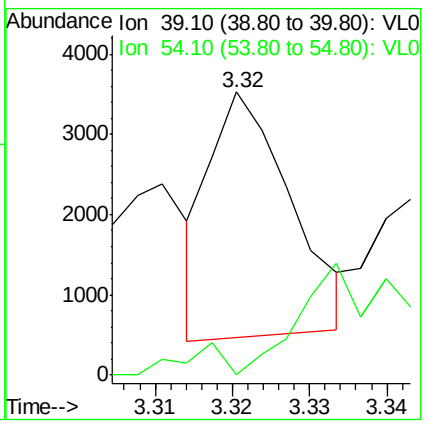


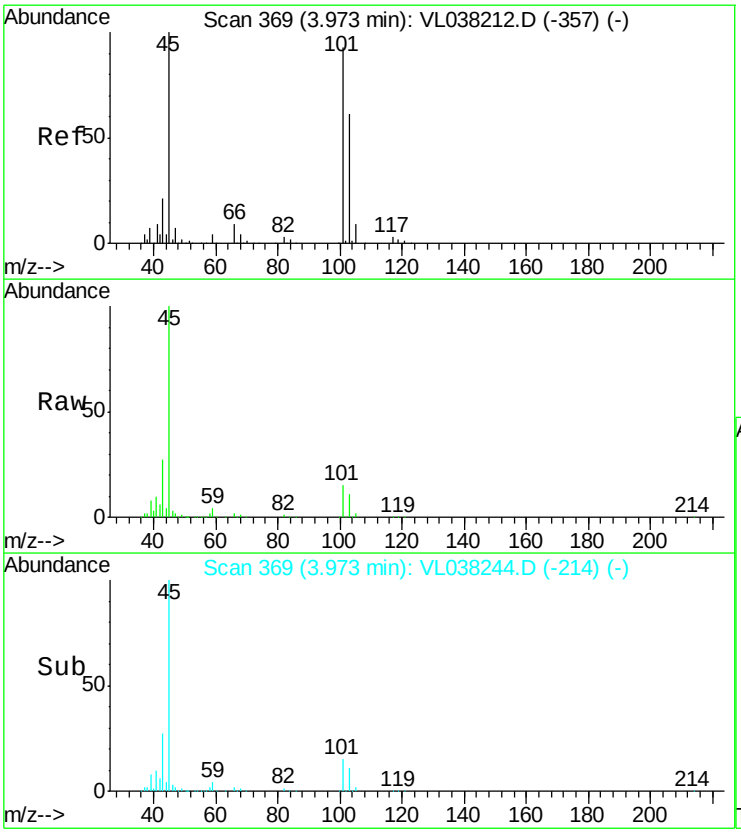
#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 39 Resp: 2226

Ion	Ratio	Lower	Upper
39	100		
54	106.9	62.9	94.3#

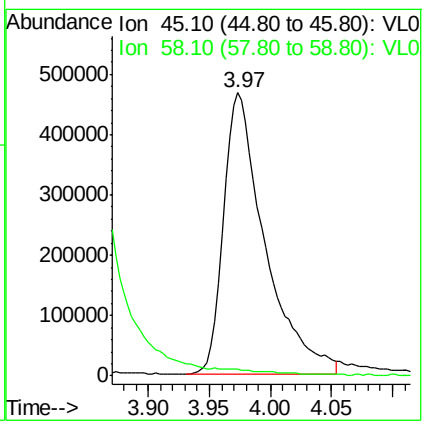


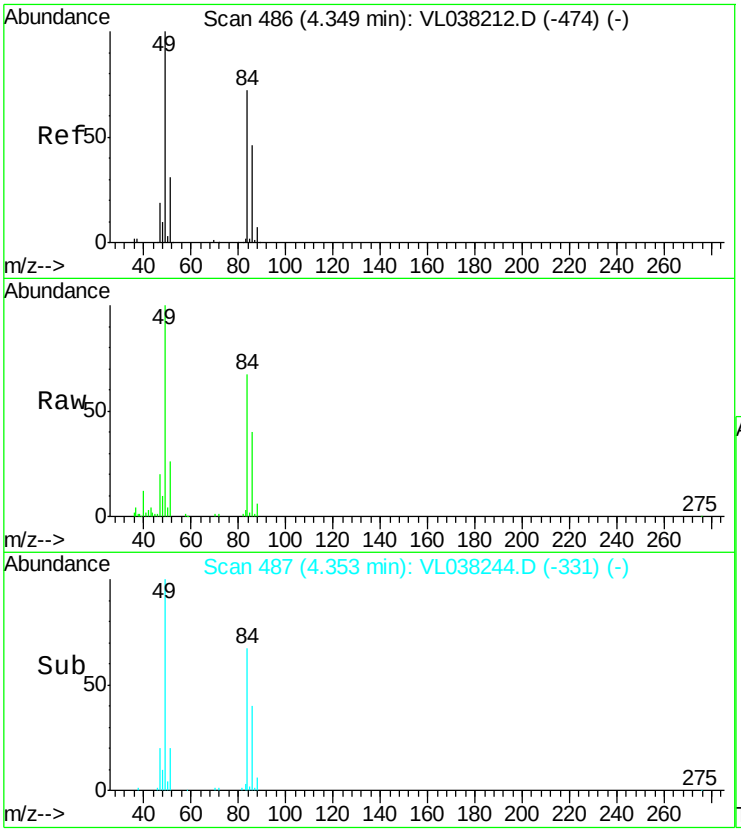


#19
Isopropyl Alcohol
Concen: 27.581 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 45 Resp: 1106092

Ion	Ratio	Lower	Upper
45	100		
58	118.1	32.4	48.6#



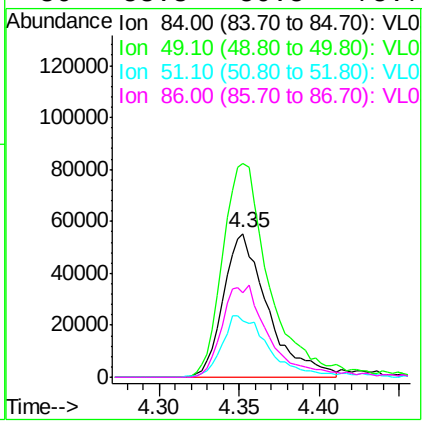


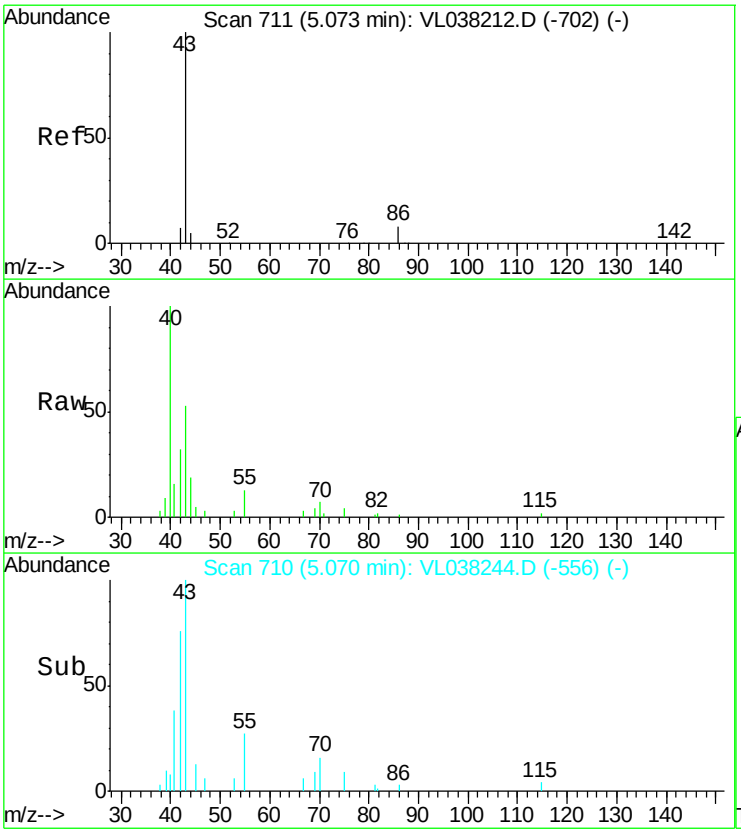
#20
Methylene Chloride
Concen: 2.897 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 105164

Ion	Ratio	Lower	Upper
84	100		
49	148.5	110.6	166.0
51	38.7	34.2	51.2
86	58.8	50.5	75.7

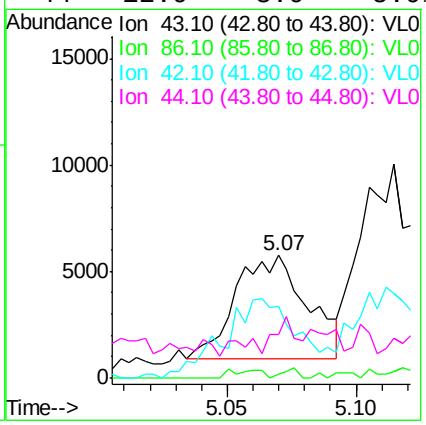


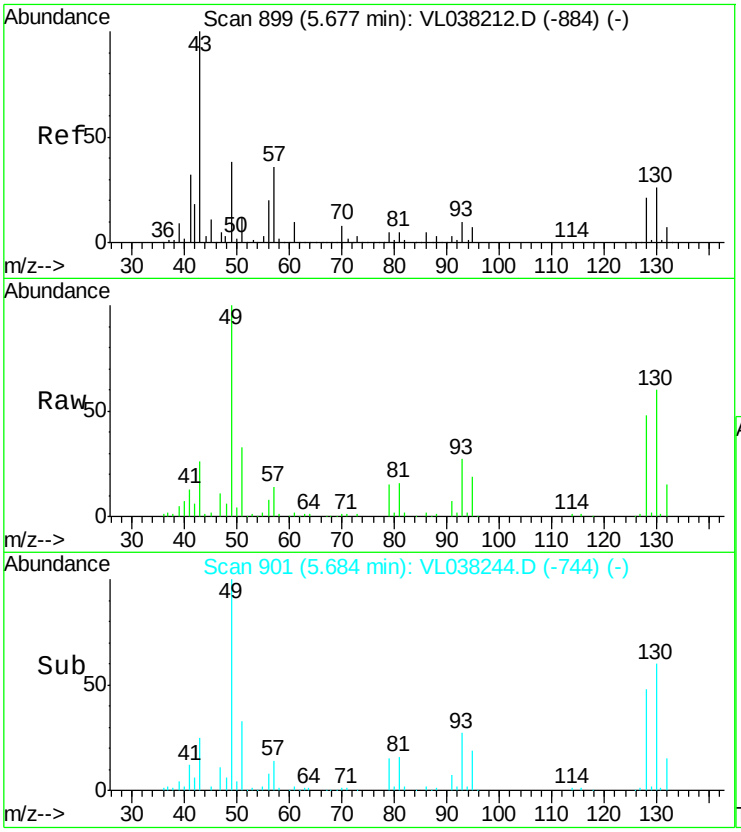


#23
Vinyl Acetate
Concen: 0.107 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 43 Resp: 9338

Ion	Ratio	Lower	Upper
43	100		
86	3.2	5.6	8.4#
42	54.5	7.0	10.4#
44	12.9	3.9	5.9#



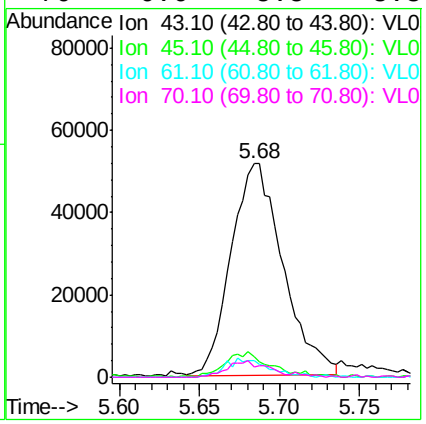


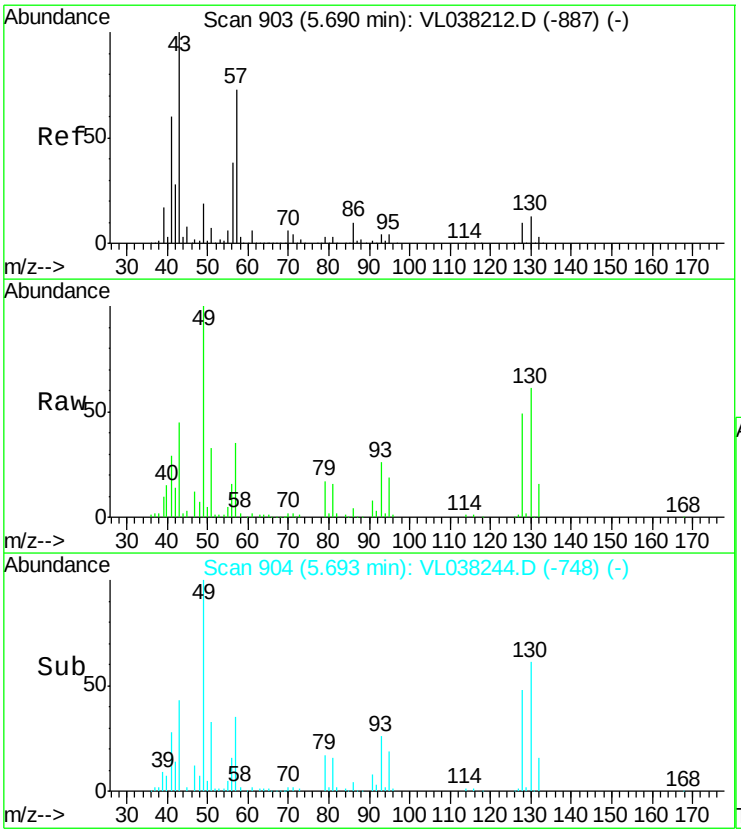
#25
Ethyl Acetate
Concen: 0.658 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 114590

Ion	Ratio	Lower	Upper
43	100		
45	10.9	7.9	11.9
61	7.8	8.1	12.1#
70	6.6	5.5	8.3

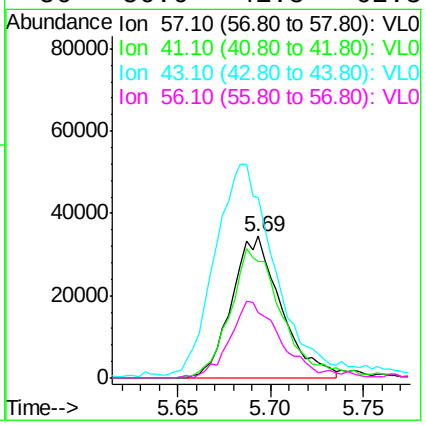


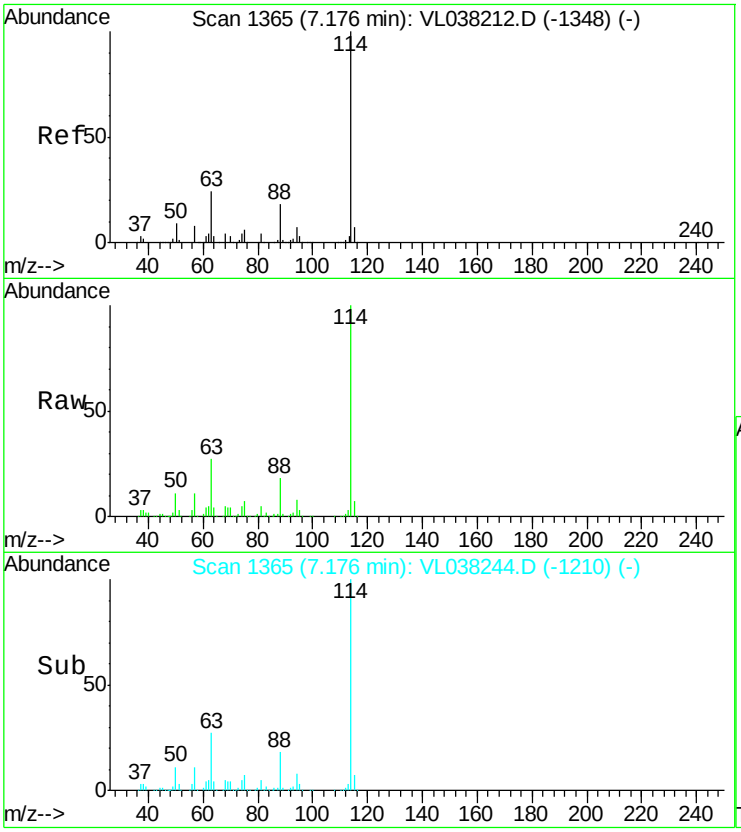


#26
Hexane
Concen: 0.735 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 57 Resp: 64215

Ion	Ratio	Lower	Upper
57	100		
41	99.4	69.0	103.6
43	194.4	171.2	256.8
56	56.6	41.5	62.3



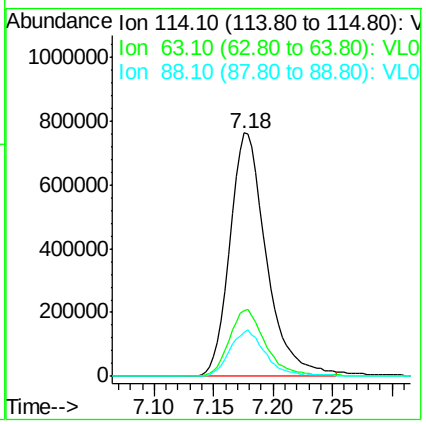


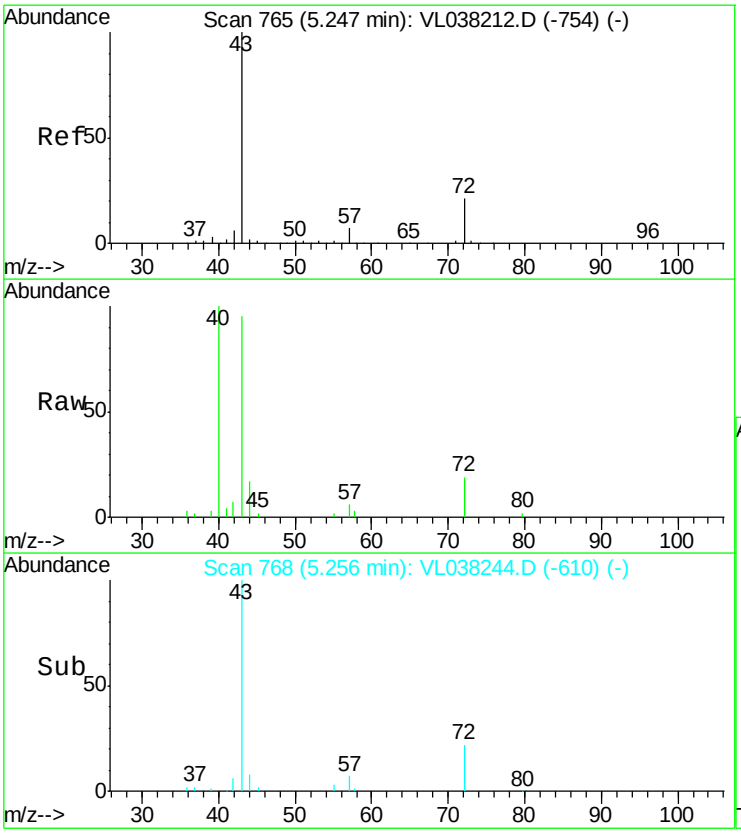
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:114 Resp: 1626705

Ion	Ratio	Lower	Upper
114	100		
63	27.7	19.7	29.5
88	19.0	14.3	21.5

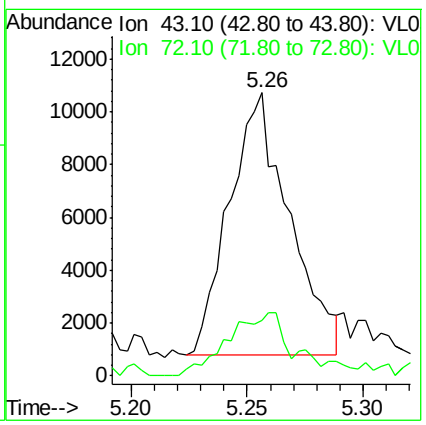


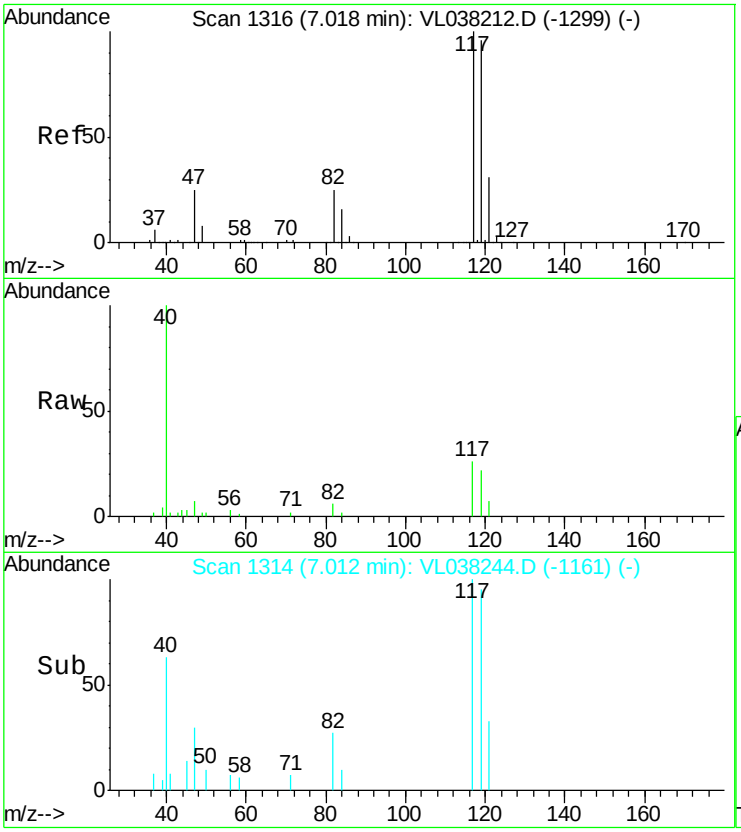


#34
2-Butanone
Concen: 0.364 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 43 Resp: 17811

Ion	Ratio	Lower	Upper
43	100		
72	29.9	18.3	27.5#



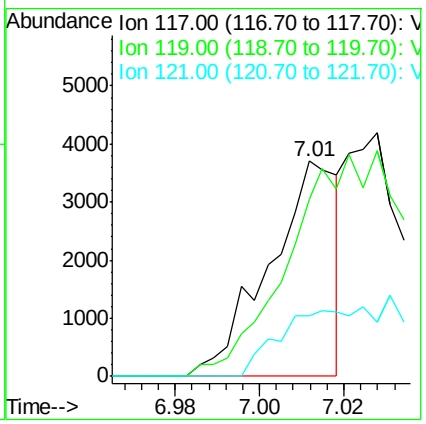


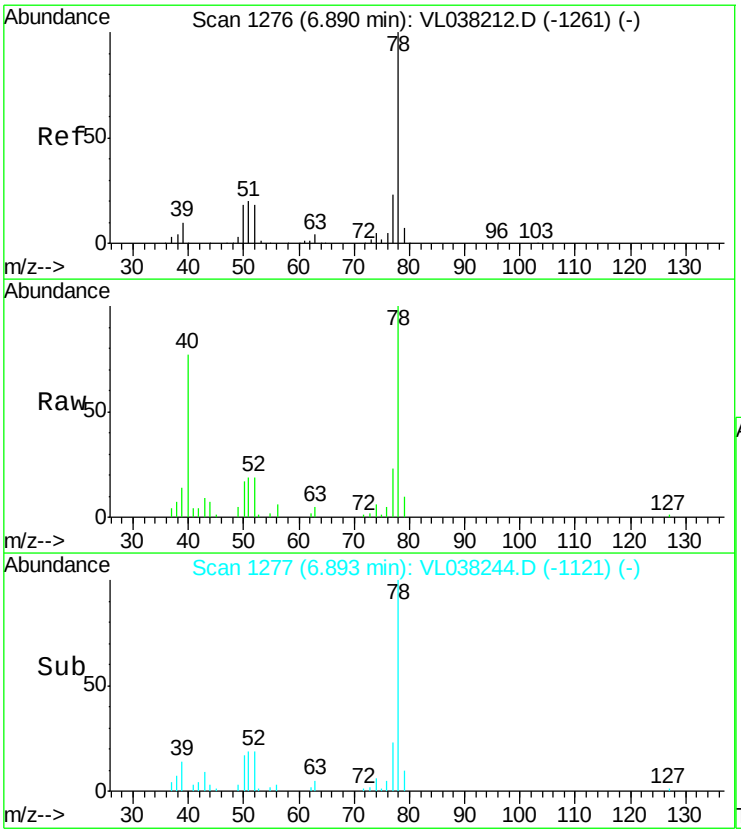
#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.01
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 4143

Ion	Ratio	Lower	Upper
117	100		
119	82.4	76.7	115.1
121	28.5	25.0	37.4

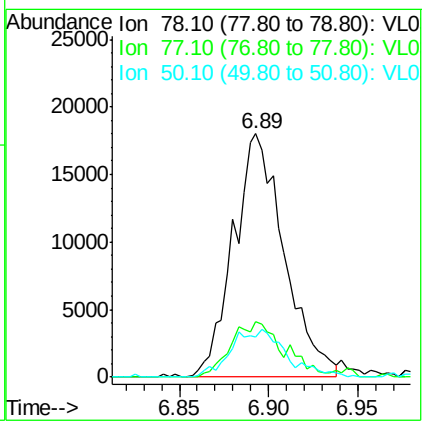


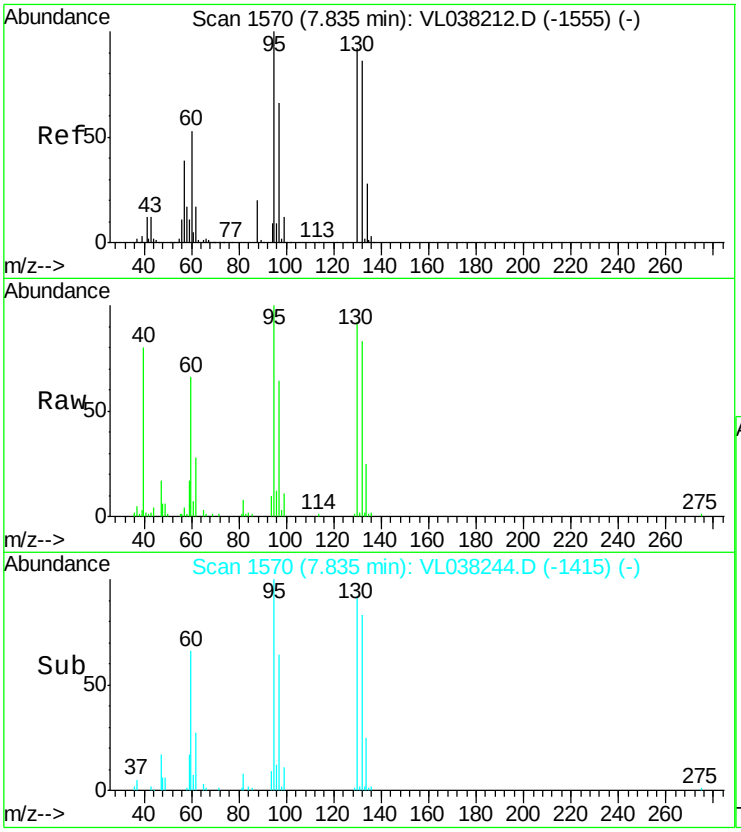


#36
Benzene
Concen: 0.235 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 78 Resp: 35667

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.4
50	16.5	14.3	21.5



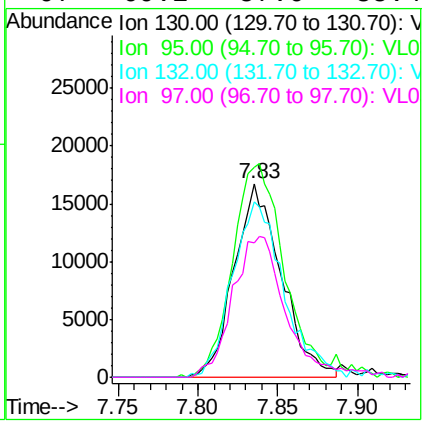


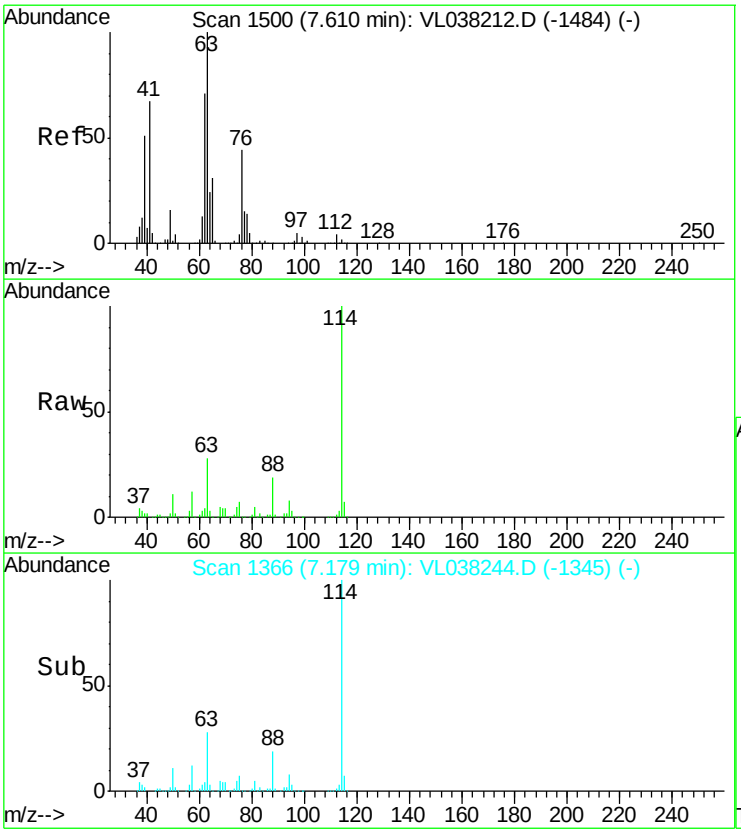
#38
Trichloroethene
Concen: 0.582 ppbv
RT: 7.83
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:130 Resp: 33625

Ion	Ratio	Lower	Upper
130	100		
95	108.8	87.0	130.4
132	90.6	75.1	112.7
97	69.2	57.0	85.4

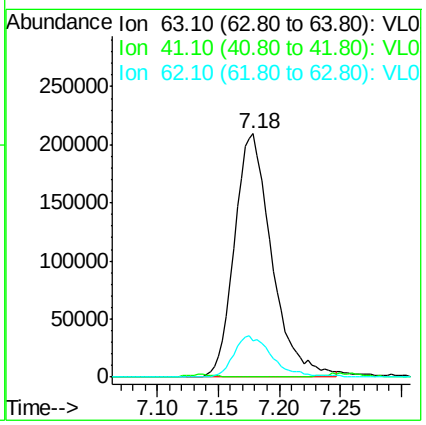


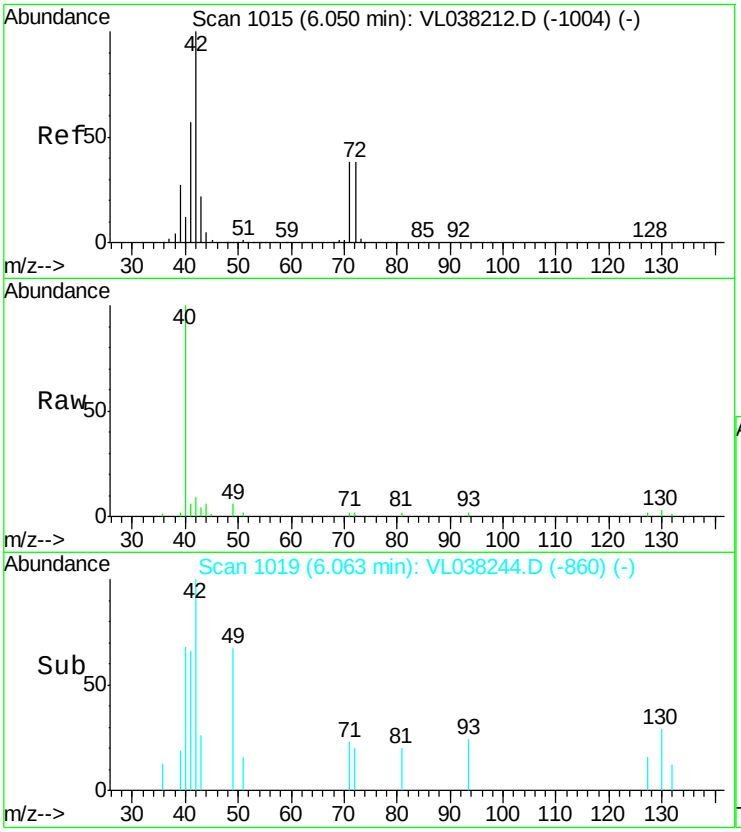


#39
1,2-Dichloropropane
Concen: 7.574 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 63 Resp: 442306

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.4	80.2#
62	14.7	56.5	84.7#



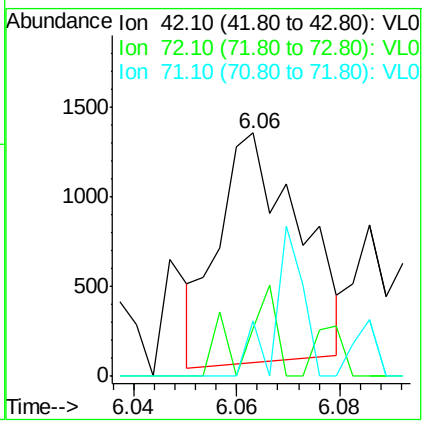


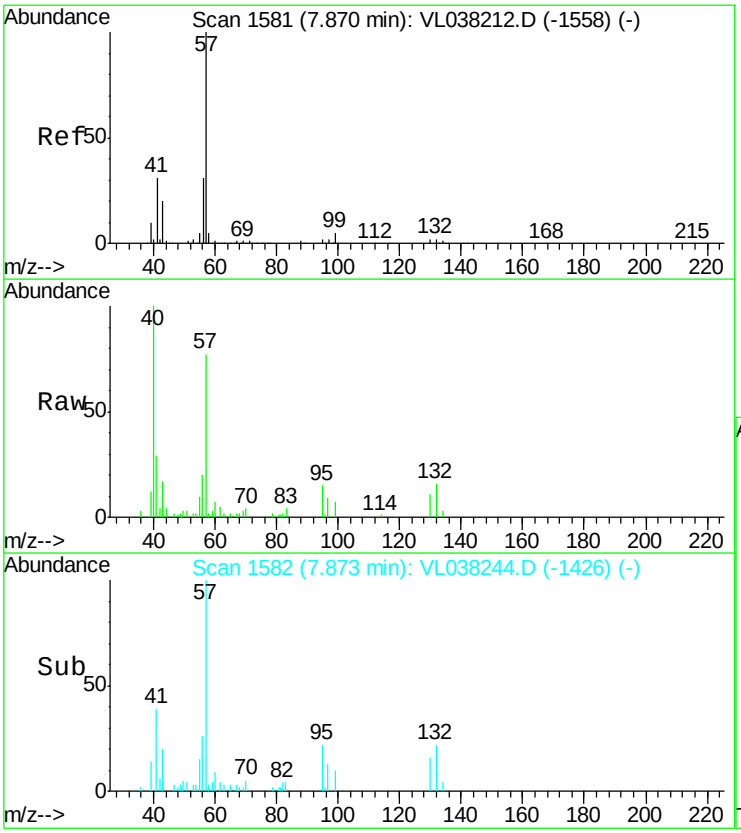
#41
Tetrahydrofuran
Concen: 0.039 ppbv
RT: 6.06
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 42 Resp: 1381

Ion	Ratio	Lower	Upper
42	100		
72	23.4	31.4	47.0#
71	30.1	30.0	45.0

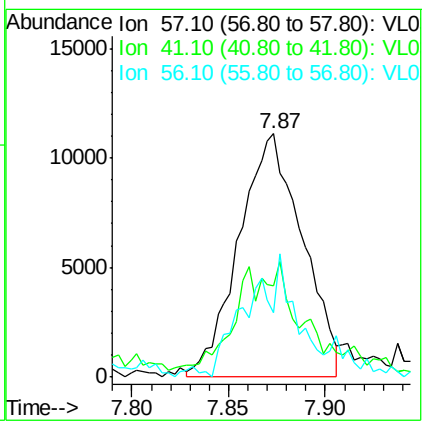


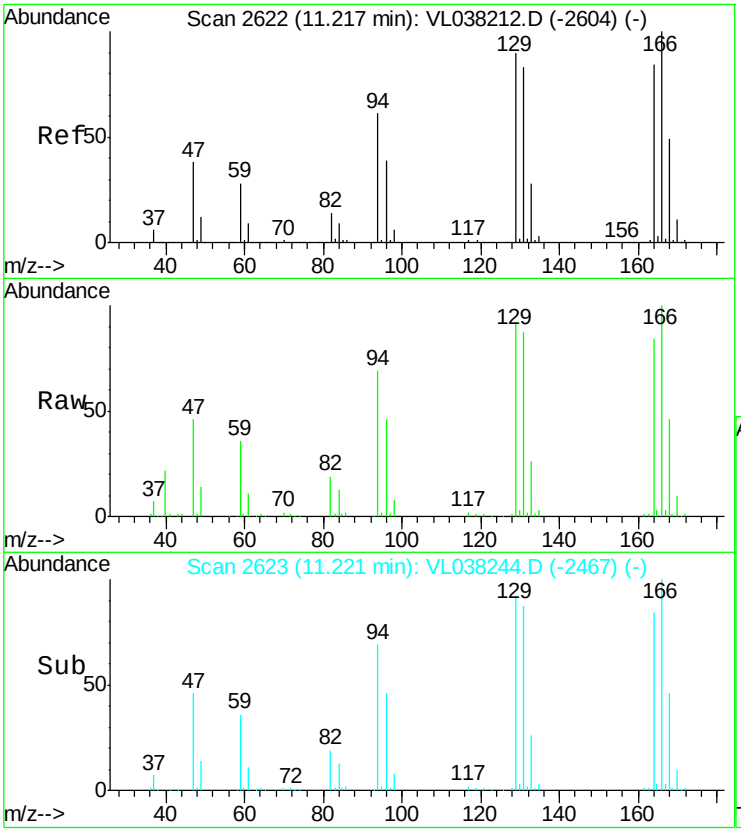


#44
2,2,4-Trimethylpentane
Concen: 0.099 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 57 Resp: 25409

Ion	Ratio	Lower	Upper
57	100		
41	55.6	24.9	37.3#
56	45.7	24.8	37.2#



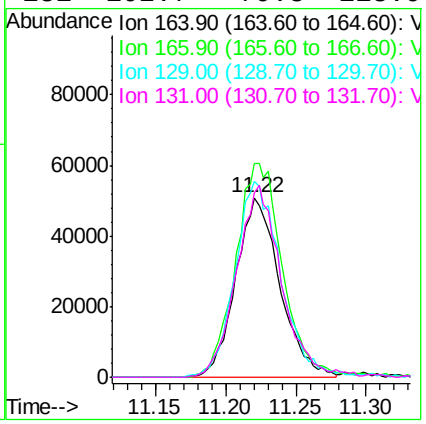


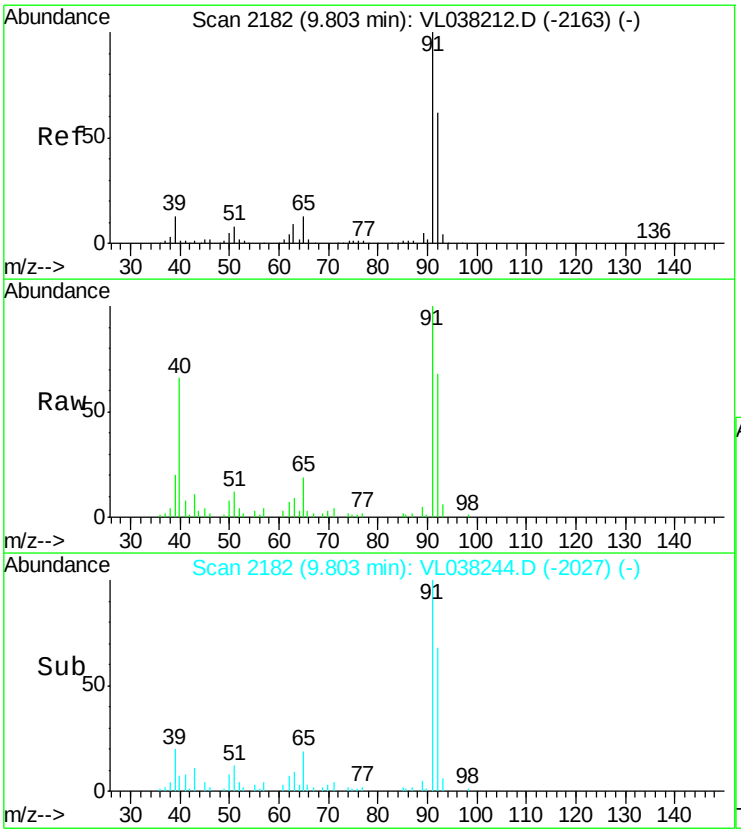
#52
Tetrachloroethene
Concen: 1.990 ppbv
RT: 11.22
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:164 Resp: 111430

Ion	Ratio	Lower	Upper
164	100		
166	119.0	95.6	143.4
129	108.8	85.8	128.8
131	102.7	79.3	118.9

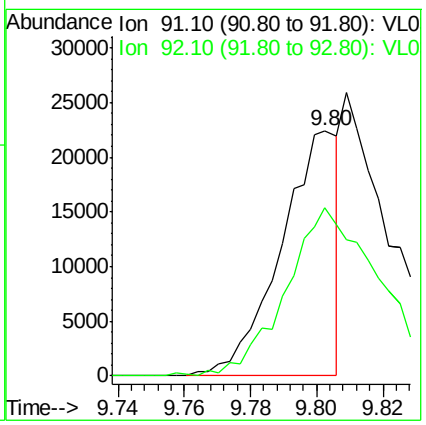


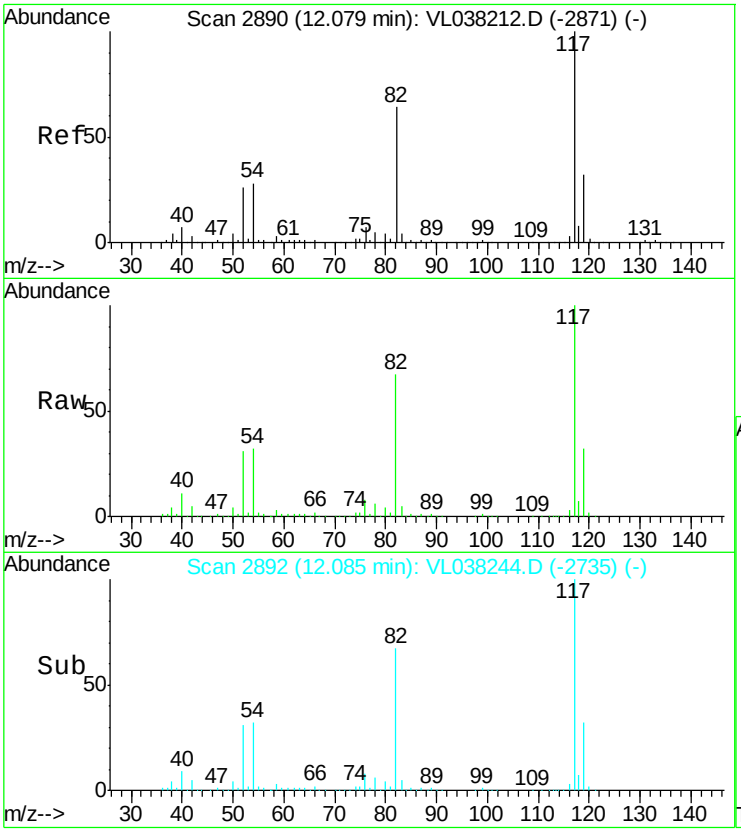


#53
Toluene
Concen: 0.154 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 91 Resp: 26891

Ion	Ratio	Lower	Upper
91	100		
92	120.9	48.9	73.3#



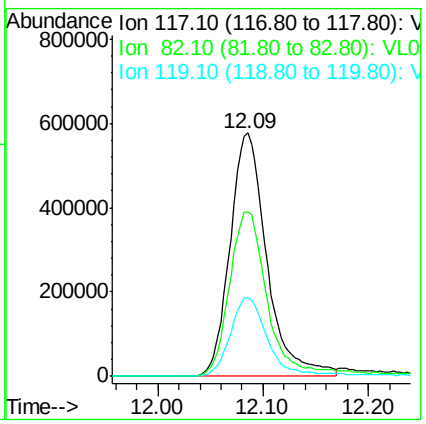


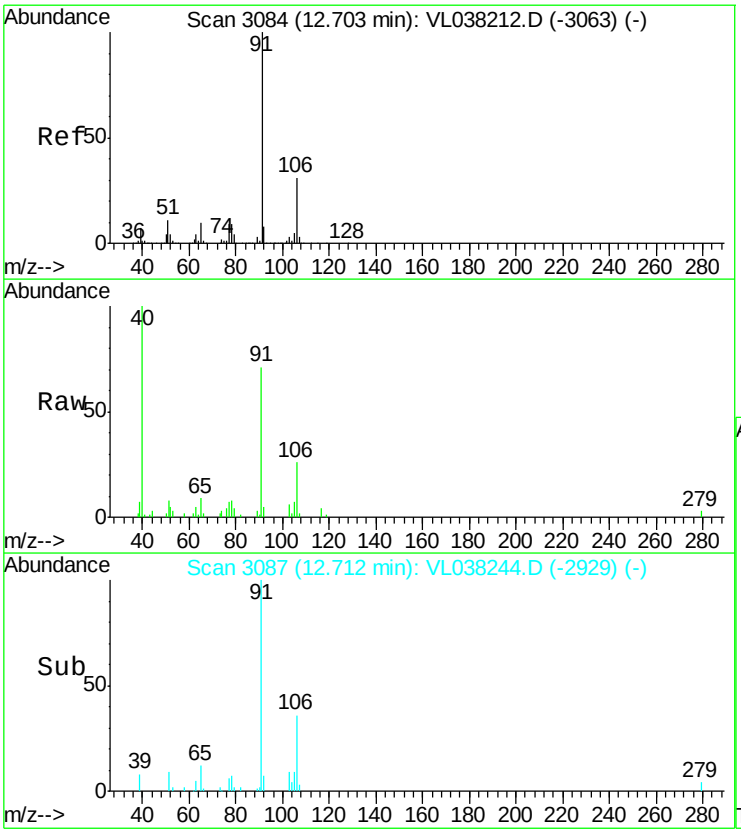
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 1398818

Ion	Ratio	Lower	Upper
117	100		
82	71.9	53.3	79.9
119	33.2	25.5	38.3

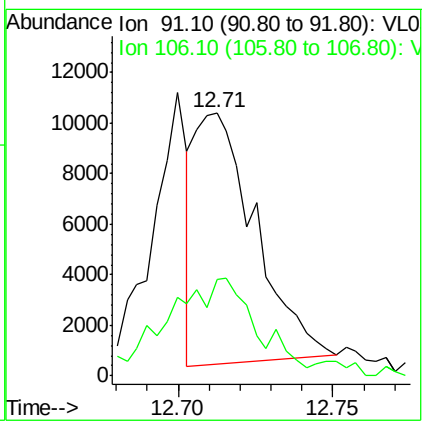


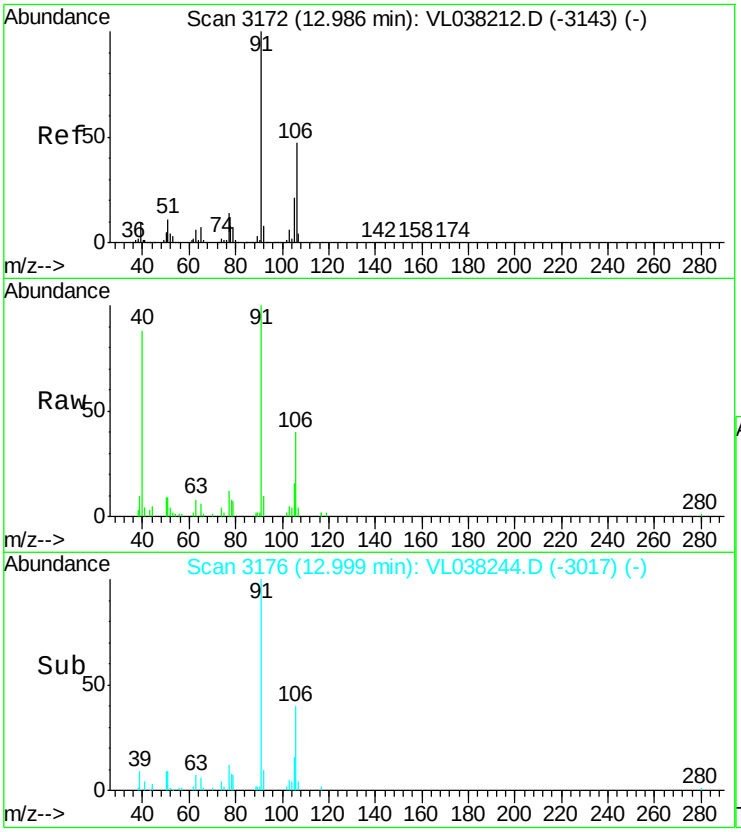


#58
Ethyl Benzene
Concen: 0.062 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.01 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 91 Resp: 13441

Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.0	37.4



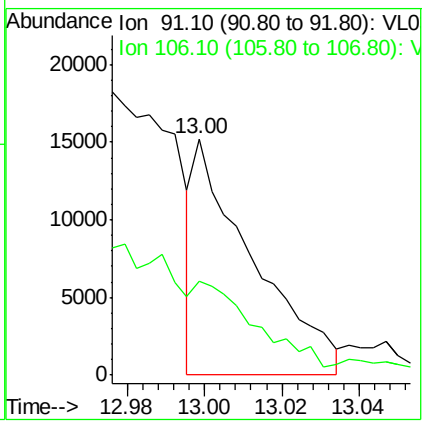


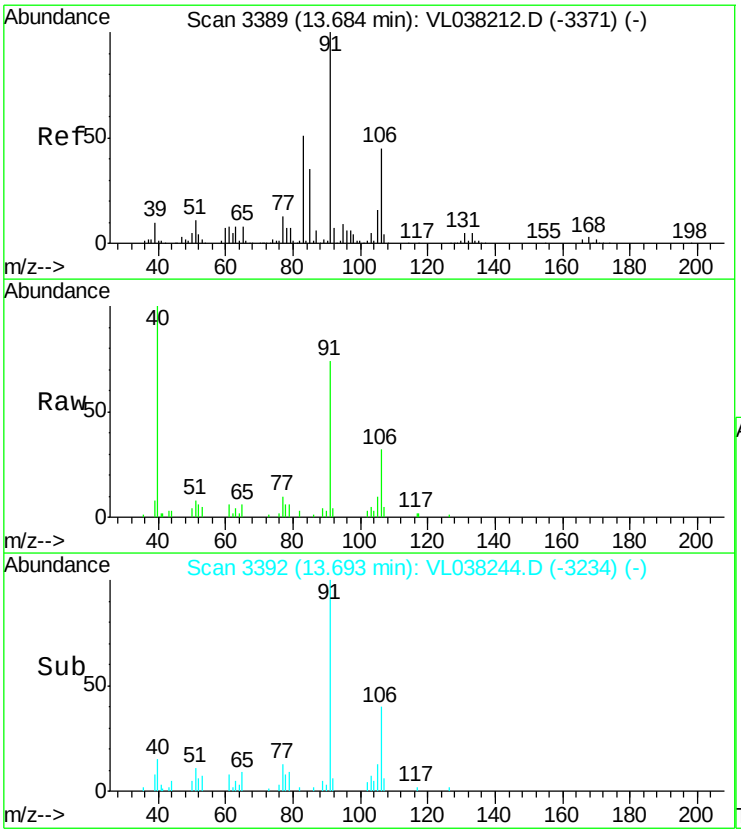
#59
m/p-Xylene
Concen: 0.087 ppbv
RT: 13.00
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 16055

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.9	55.3#

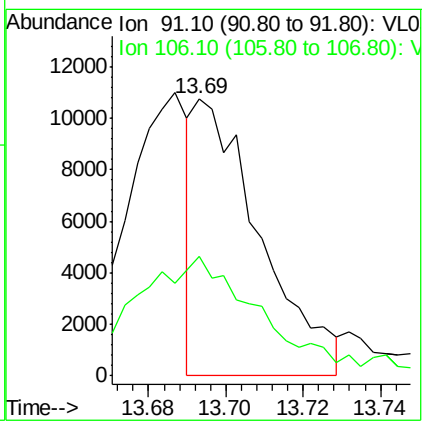


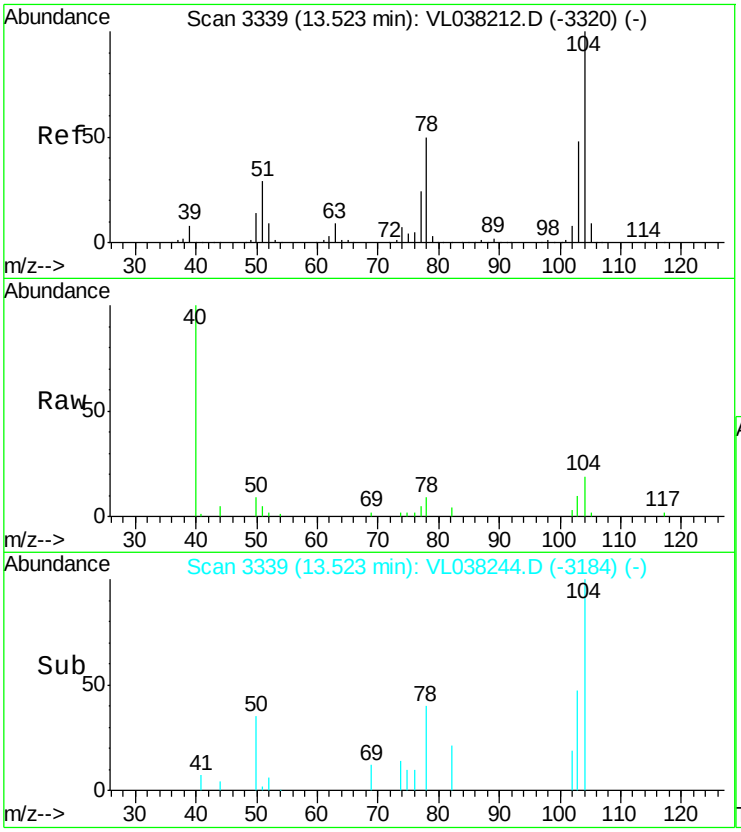


#60
o-Xylene
Concen: 0.073 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion: 91 Resp: 12623

Ion	Ratio	Lower	Upper
91	100		
106	91.6	23.5	70.5#



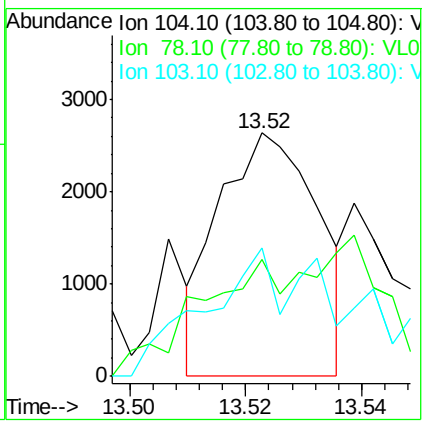


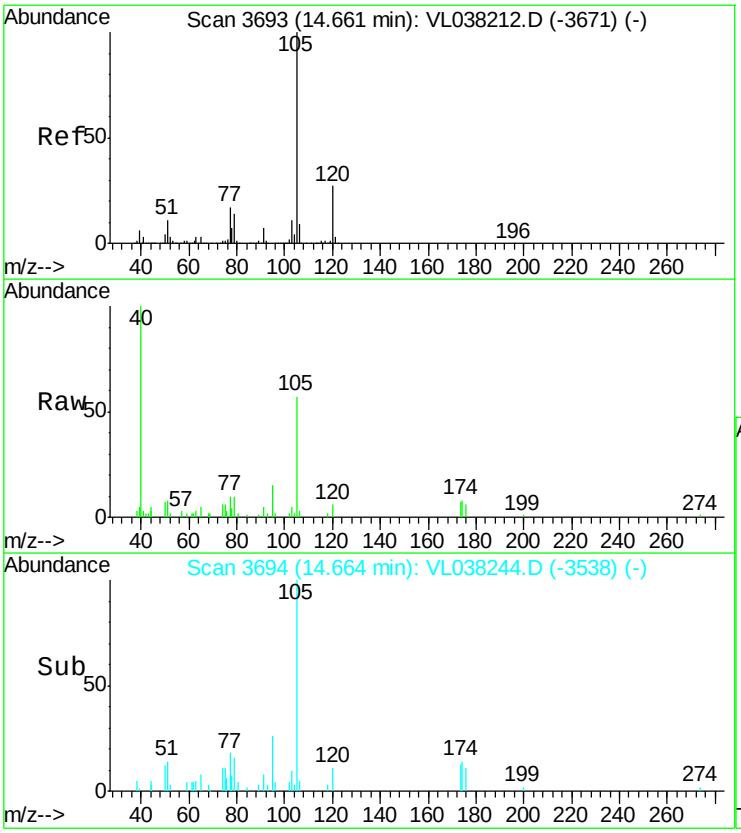
#61
Styrene
Concen: 0.036 ppbv
RT: 13.52
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:104 Resp: 3139

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.0	61.6#
103	88.9	38.0	57.0#

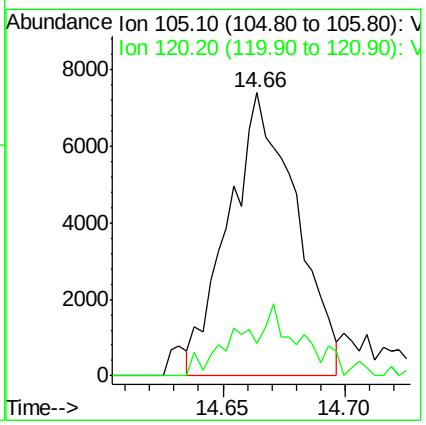


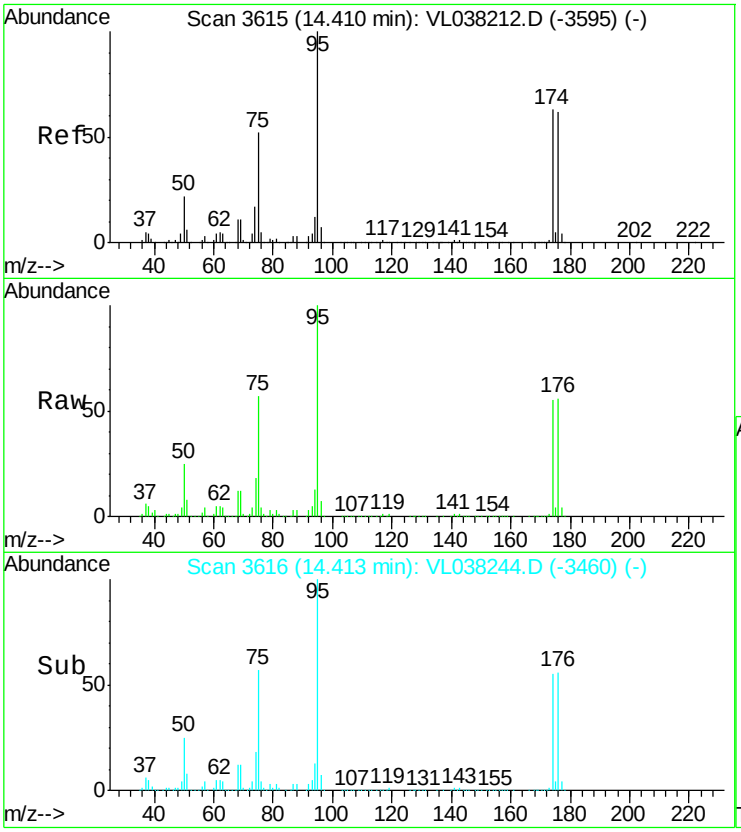


#62
Isopropylbenzene
Concen: 0.059 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion:105 Resp: 14185

Ion	Ratio	Lower	Upper
105	100		
120	23.0	21.0	31.6



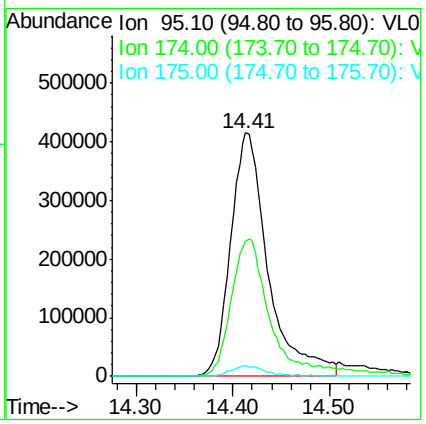


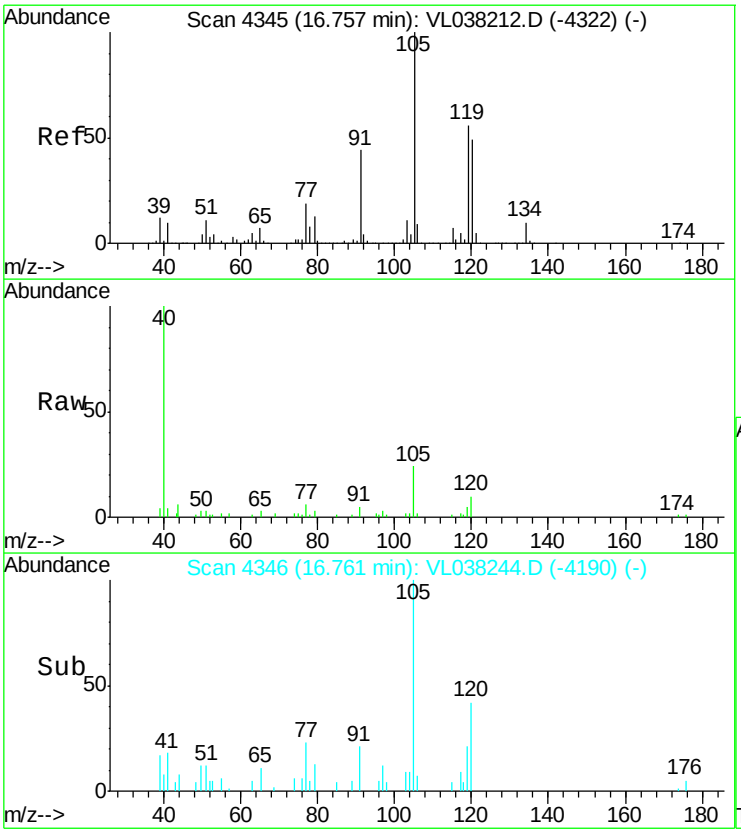
#68
1-Bromo-4-Fluorobenzene
Concen: 10.357 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 29 Dec 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 95 Resp: 1116385

Ion	Ratio	Lower	Upper
95	100		
174	61.7	54.6	81.8
175	4.3	4.1	6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.035 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL038244.D
Acq: 29 Dec 2021 22:34

Tgt Ion:105 Resp: 6531

Ion	Ratio	Lower	Upper
105	100		
120	39.6	39.4	59.2
91	19.7	35.0	52.4#
77	26.1	15.6	23.4#