Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022422\
Data File : VL038436.D
Acq On : 24 Feb 2022 16:10
Operator : SY/AP
Sample : N1605-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-2

Quant Time: Feb 25 00:43:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	723815	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.14	114	1846410	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.04	117	1632675	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.37	95	1266039	9.37	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	23499	0.20	ppbv		100
3) Chlorodifluoromethane	2.97	51	53241	0.42	ppbv	#	80
4) Chloromethane	3.13	50	21043	0.47	ppbv		97
9) Propene	3.00	41	106388	2.52	ppbv	#	69
10) Heptane	8.09	43	60109	0.59	ppbv		97
11) Trichlorofluoromethane	3.93	101	23570	0.21	ppbv		88
12) 1,1,2-Trichlorotrifluoroet	4.46	101	4358	0.05	ppbv	#	57
13) Ethanol	3.58	45	3833482	910.23	ppbv		89
15) Acetone	3.83	43	332592	5.40	ppbv	#	58
16) 1,3-Butadiene	3.29	39	10851	0.26	ppbv	#	12
17) tert-Butyl alcohol	4.27	59	7765	0.13	ppbv	#	1
19) Isopropyl Alcohol	3.94	45	4613415	129.43	ppbv	#	97
20) Methylene Chloride	4.32	84	31524	1.03	ppbv		88
21) Allyl Chloride	4.35	41	4807	0.09	ppbv	#	1
23) Vinyl Acetate	5.03	43	107960	1.32	ppbv	#	65
25) Ethyl Acetate	5.65	43	368951	2.23	ppbv	#	84
26) Hexane	5.66	57	448069	5.98	ppbv	#	47
29) Chloroform	5.72	83	19257	0.16	ppbv		99
30) Cyclohexane	7.10	84	5965	0.10	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	5356	0.07	ppbv	#	33
34) 2-Butanone	5.21	43	95283	1.64	ppbv	#	90
35) Carbon Tetrachloride	6.98	117	4567	0.04	ppbv		95
36) Benzene	6.86	78	114232	0.70	ppbv		97
39) 1,2-Dichloropropane	7.14	63	510435	7.88	ppbv	#	25
41) Tetrahydrofuran	6.29	42	9715	0.25	ppbv	#	38
44) 2,2,4-Trimethylpentane	7.83	57	34622	0.12	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.71	43	4306	0.04	ppbv	#	40
53) Toluene	9.76	91	1023803	5.80	ppbv		99
58) Ethyl Benzene	12.66	91	16490	0.07	ppbv		92
59) m/p-Xylene	12.93	91	48544	0.25	ppbv	#	33
60) o-Xylene	13.64	91	14664	0.08	ppbv	#	32
61) Styrene	13.48	104	6373	0.08	ppbv	#	25
73) 1,3,5-Trimethylbenzene	15.96	105	5495	0.03	ppbv	#	64
74) 1,2,4-Trimethylbenzene	16.71	105	7130	0.04	ppbv	#	67

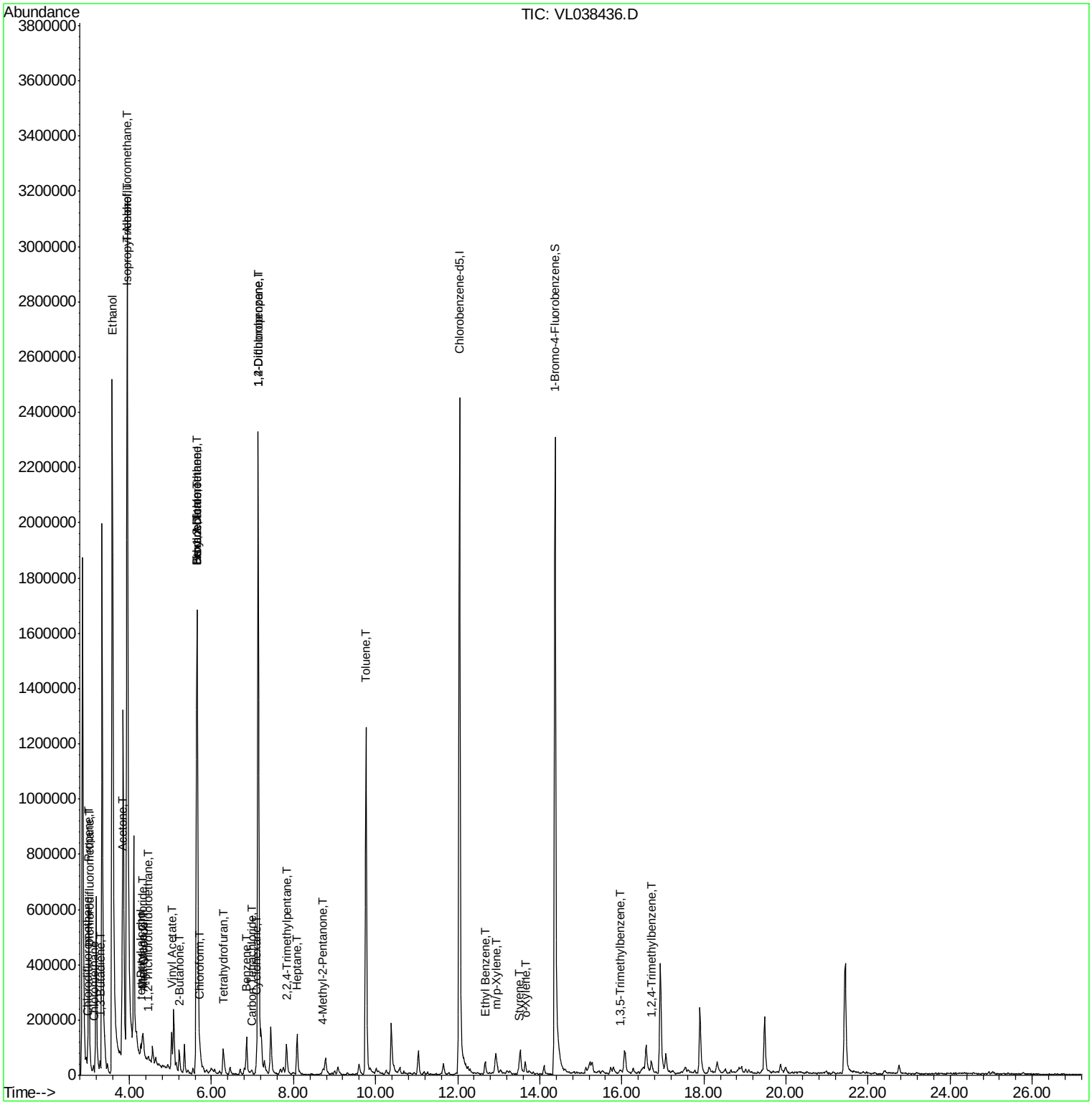
(#) = qualifier out of range (m) = manual integration (+) = signals summed

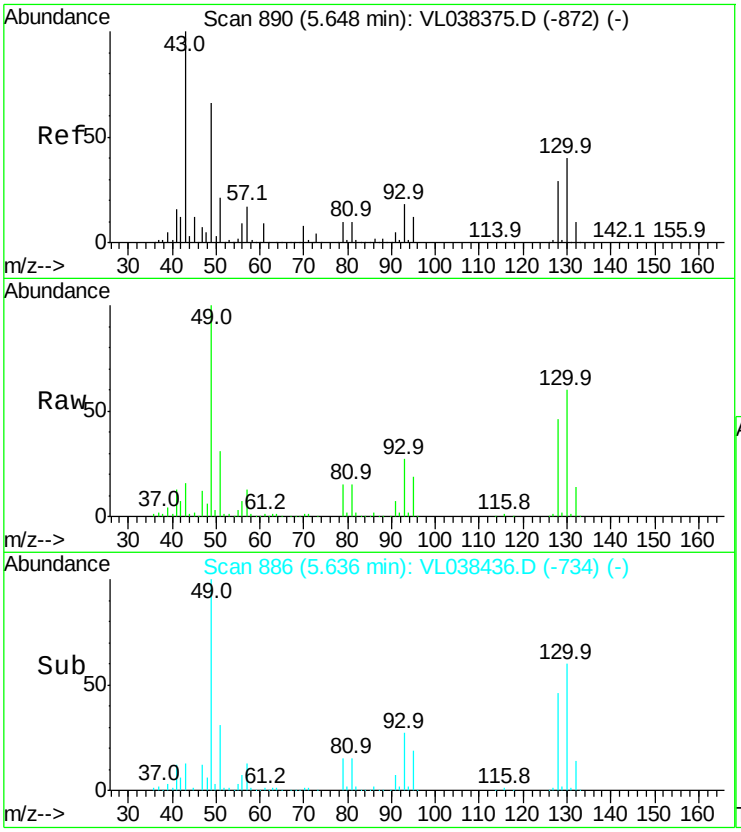
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022422\
Data File : VL038436.D
Acq On : 24 Feb 2022 16:10
Operator : SY/AP
Sample : N1605-07
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Feb 25 00:43:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



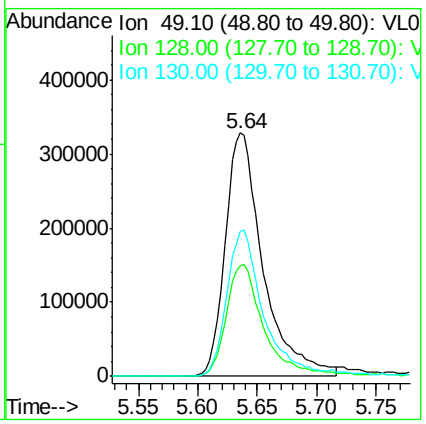


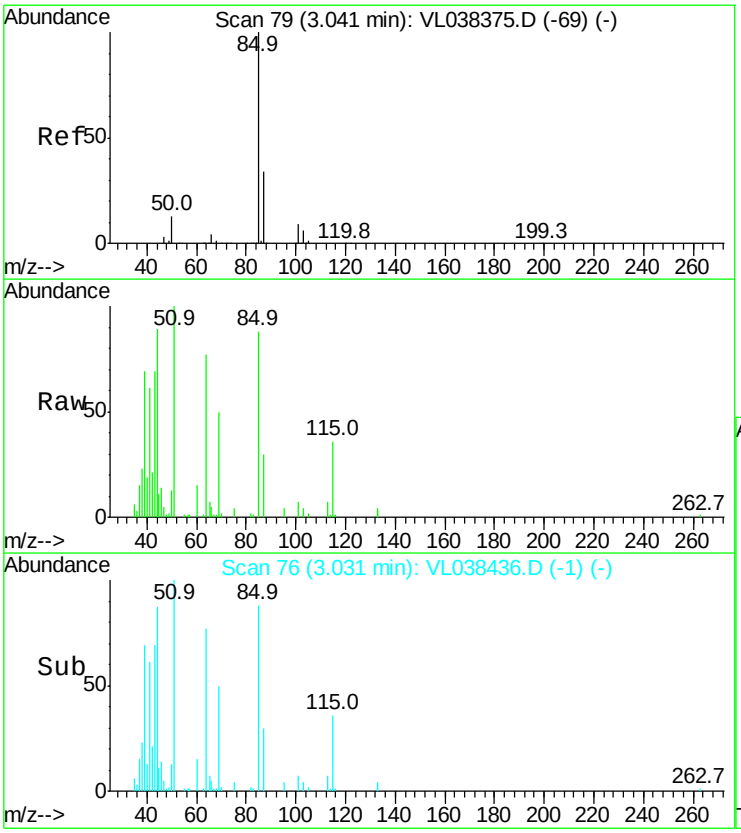
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.64
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 49 Resp: 723815

Ion	Ratio	Lower	Upper
49	100		
128	46.0	24.3	72.9
130	59.8	30.1	90.5

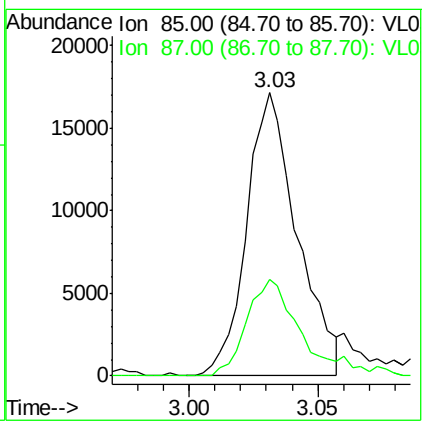


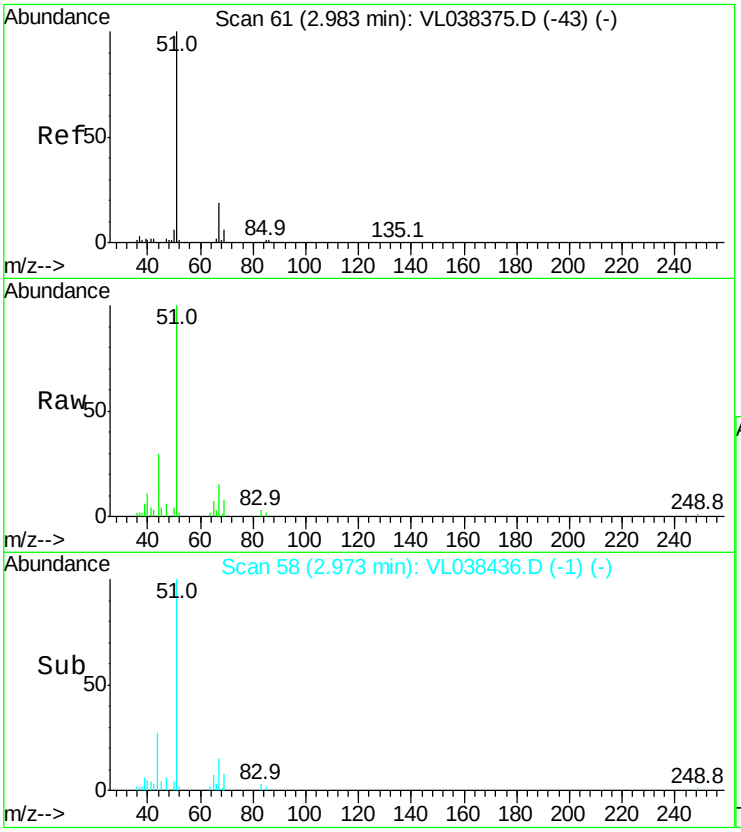


#2
Dichlorodifluoromethane
Concen: 0.20 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 85 Resp: 23499

Ion	Ratio	Lower	Upper
85	100		
87	34.2	27.4	41.0



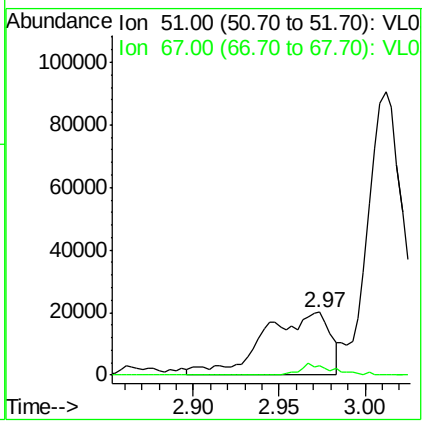


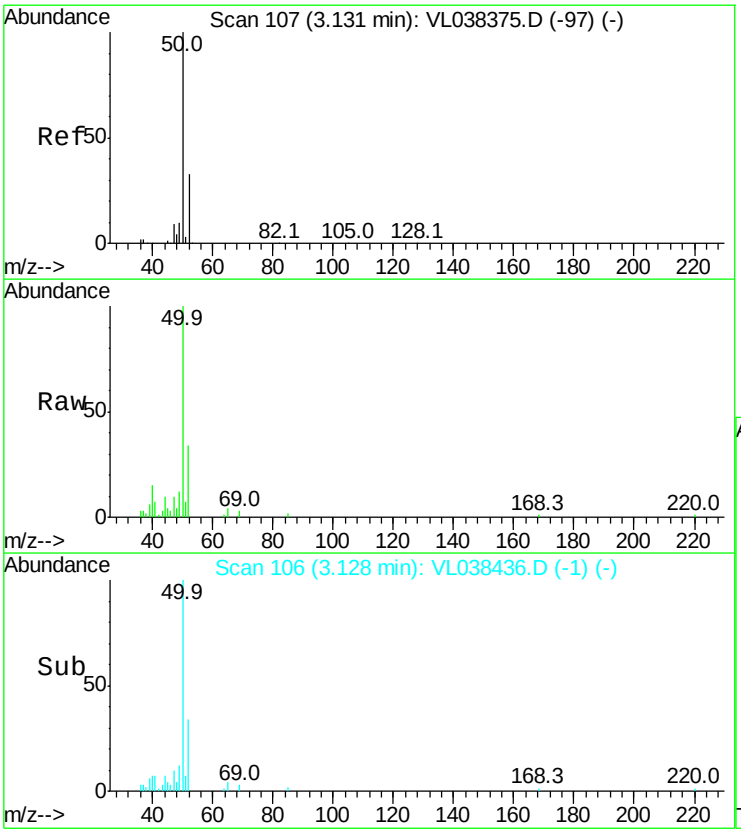
#3
Chlorodifluoromethane
Concen: 0.42 ppbv
RT: 2.97
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 51 Resp: 53241

Ion	Ratio	Lower	Upper
51	100		
67	9.7	14.7	22.1#

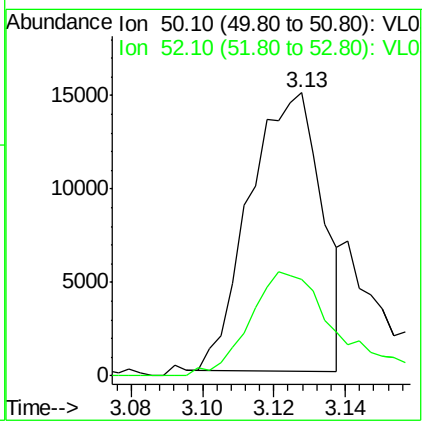


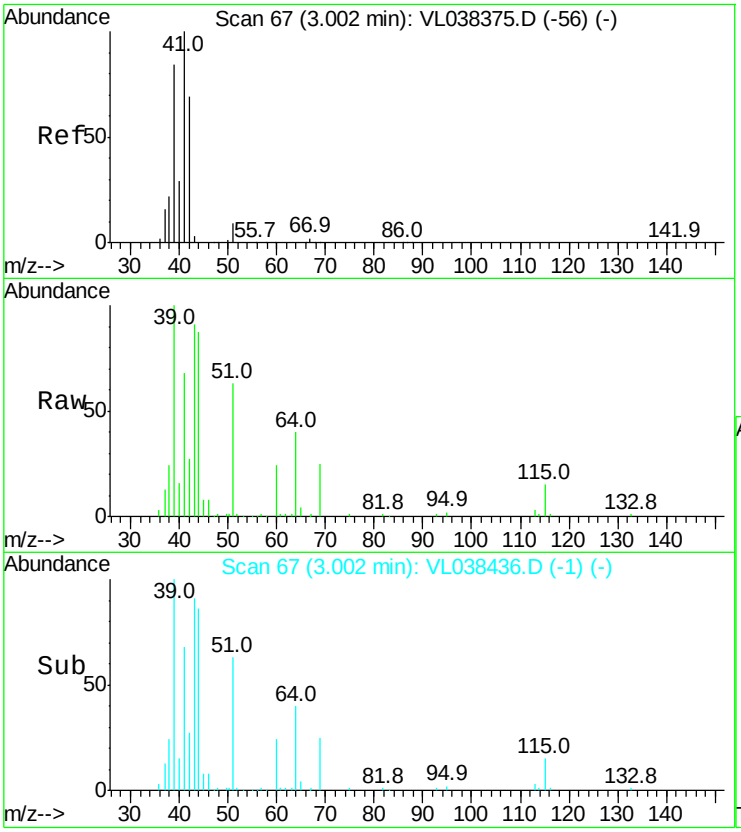


#4
Chloromethane
Concen: 0.47 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.00 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 50 Resp: 21043

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.5	39.7



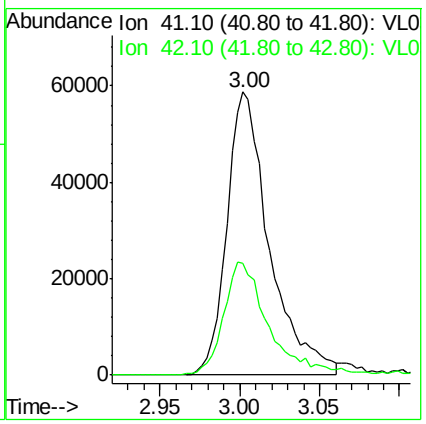


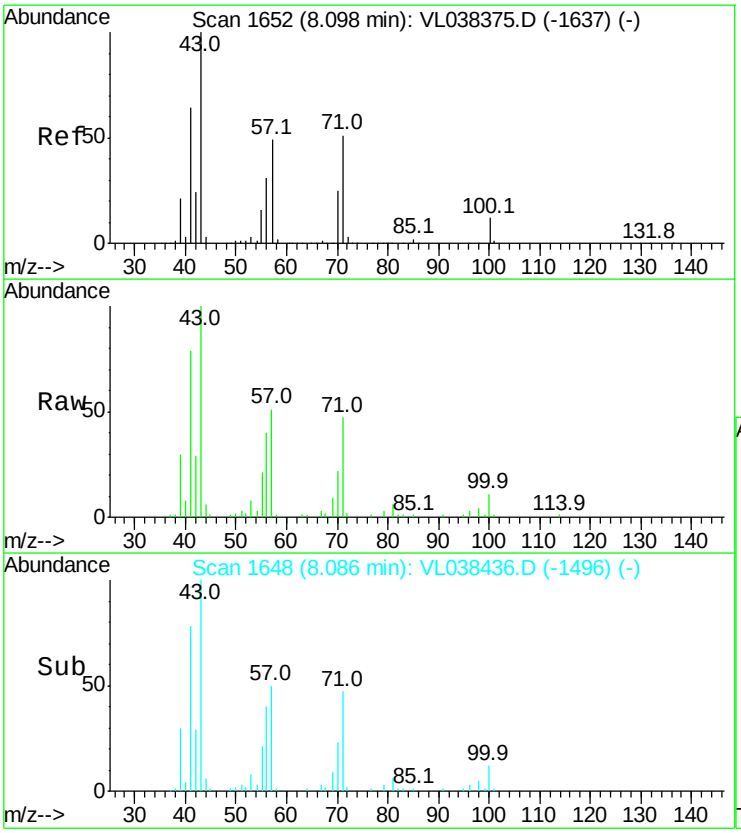
#9
Propene
Concen: 2.52 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 41 Resp: 106388

Ion	Ratio	Lower	Upper
41	100		
42	43.6	54.6	82.0#

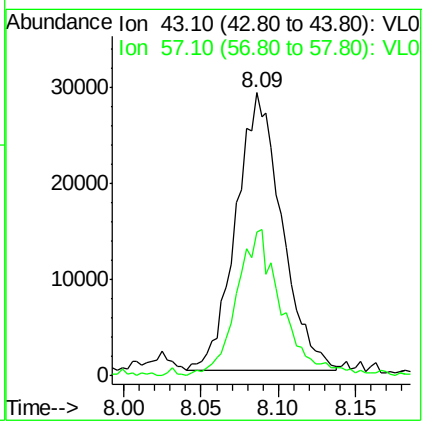


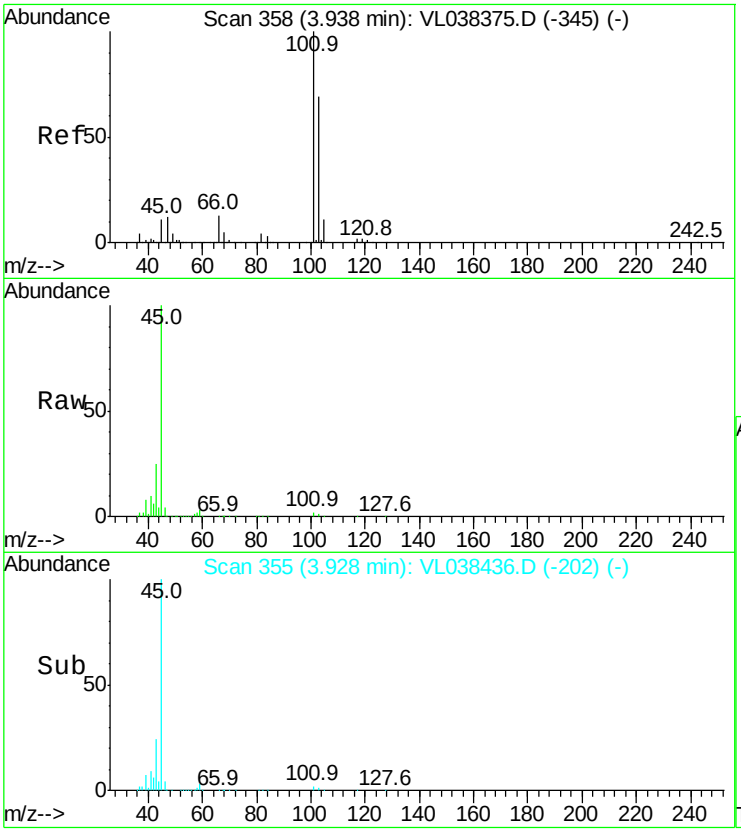


#10
Heptane
Concen: 0.59 ppbv
RT: 8.09 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 43 Resp: 60109

Ion	Ratio	Lower	Upper
43	100		
57	52.1	39.8	59.8



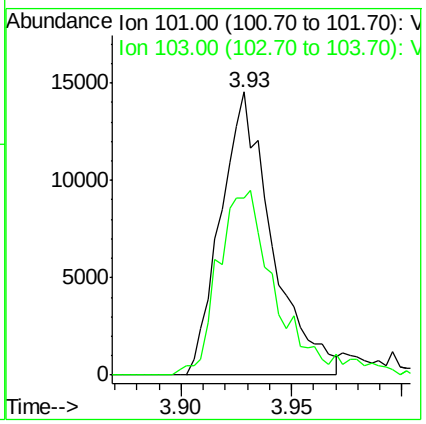


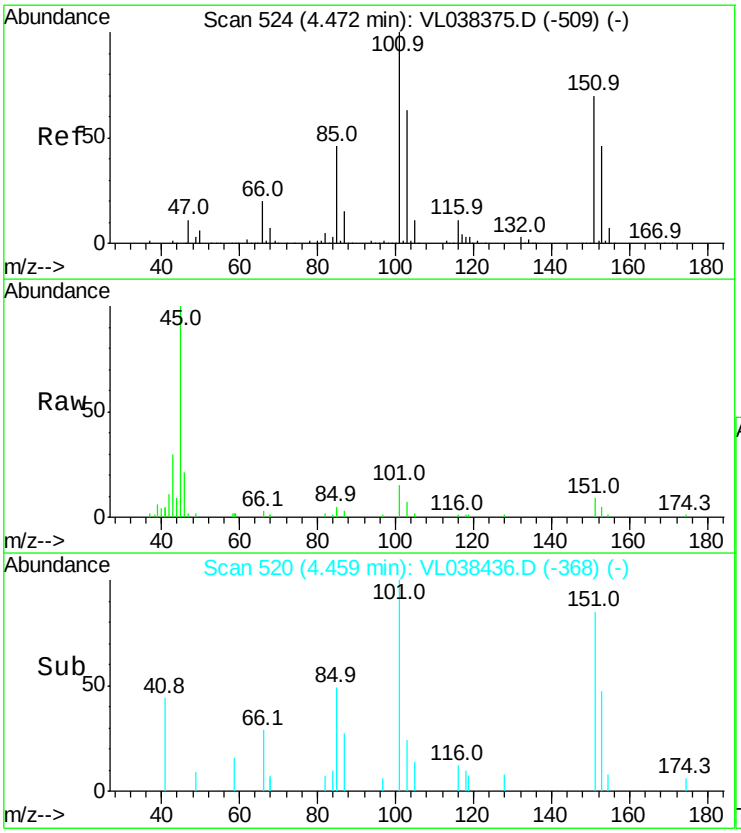
#11
Trichlorofluoromethane
Concen: 0.21 ppbv
RT: 3.93
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion:101 Resp: 23570

Ion	Ratio	Lower	Upper
101	100		
103	59.1	55.0	82.4

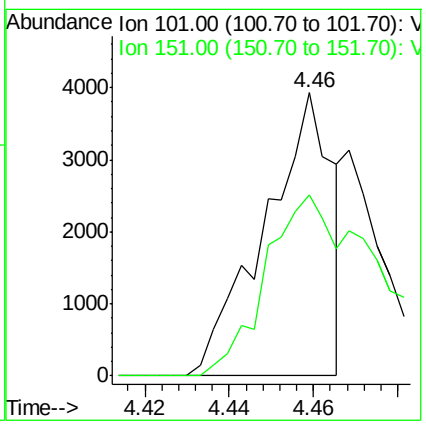


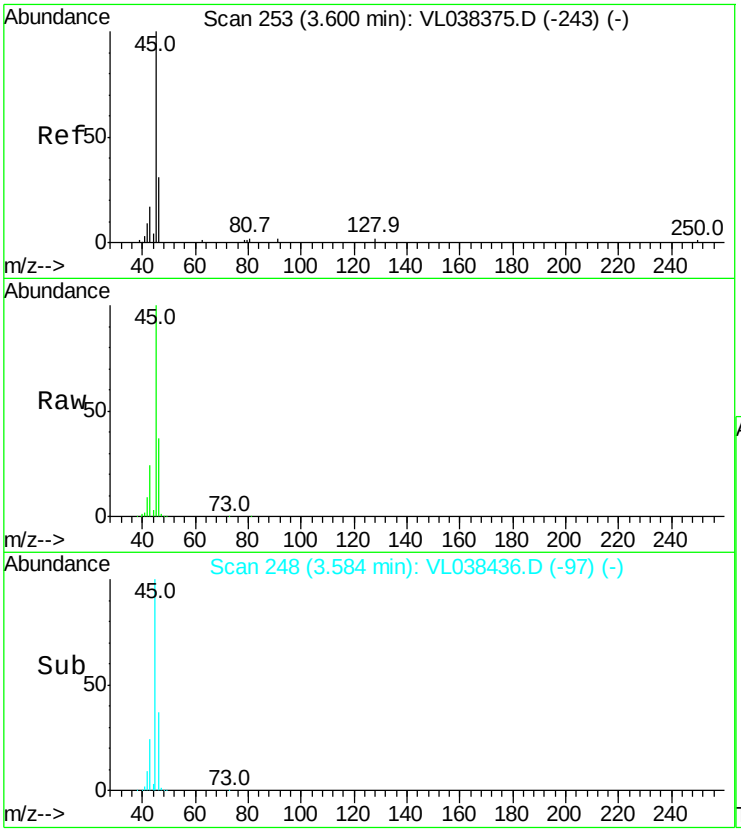


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 4.46 min Scan# 520
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion:101 Resp: 4358

Ion	Ratio	Lower	Upper
101	100		
151	105.0	55.9	83.9#



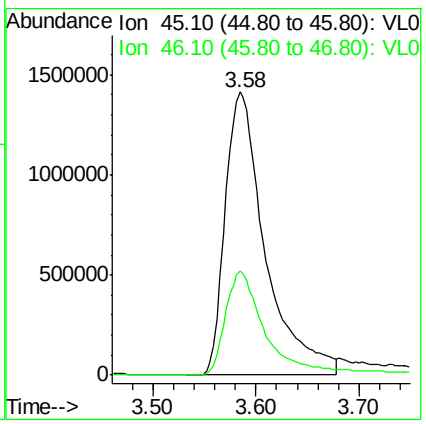


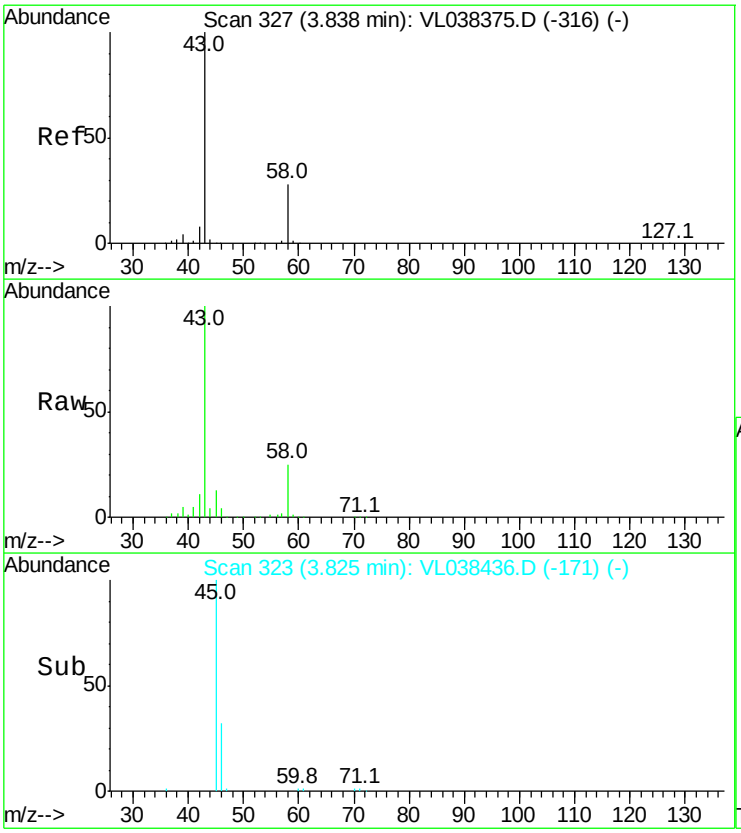
#13
Ethanol
Concen: 910.23 ppbv
RT: 3.58
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 45 Resp: 3833482

Ion	Ratio	Lower	Upper
45	100		
46	38.1	18.2	72.8

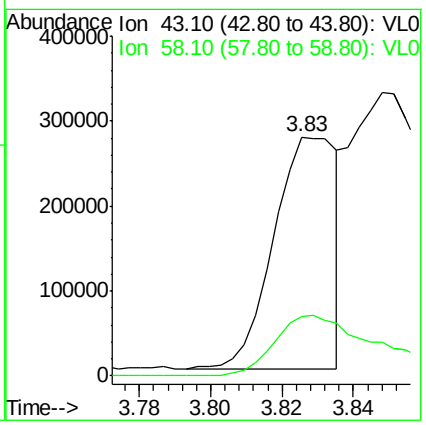


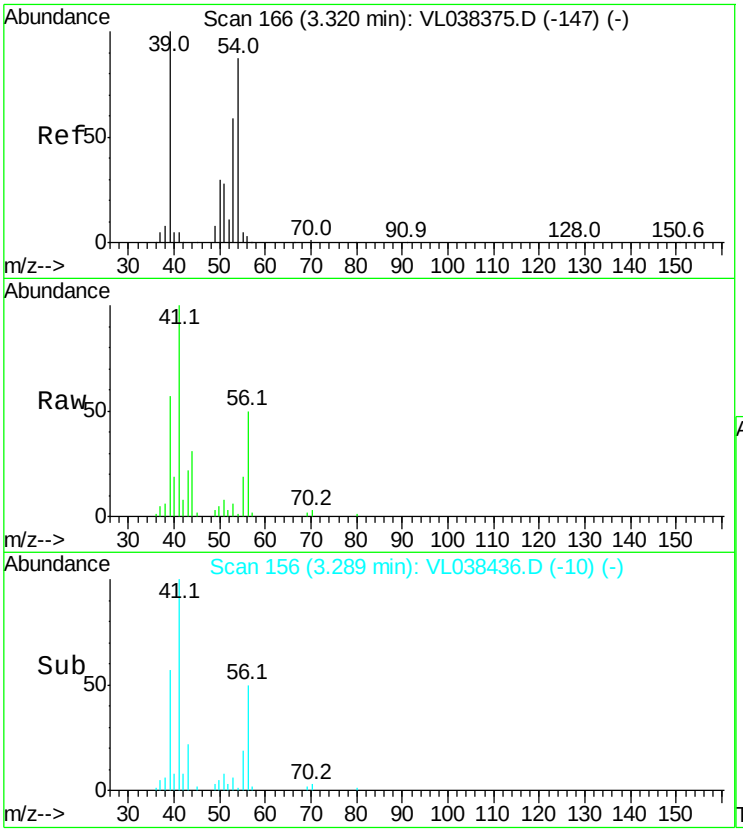


#15
Acetone
Concen: 5.40 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 43 Resp: 332592

Ion	Ratio	Lower	Upper
43	100		
58	48.7	21.7	32.5#



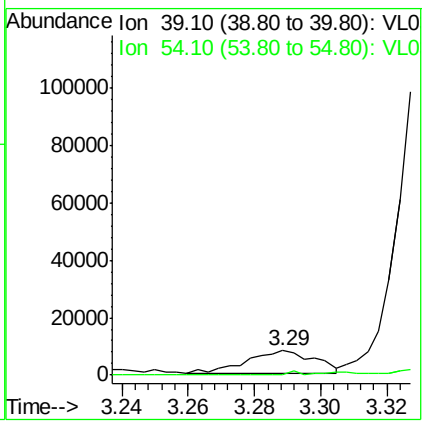


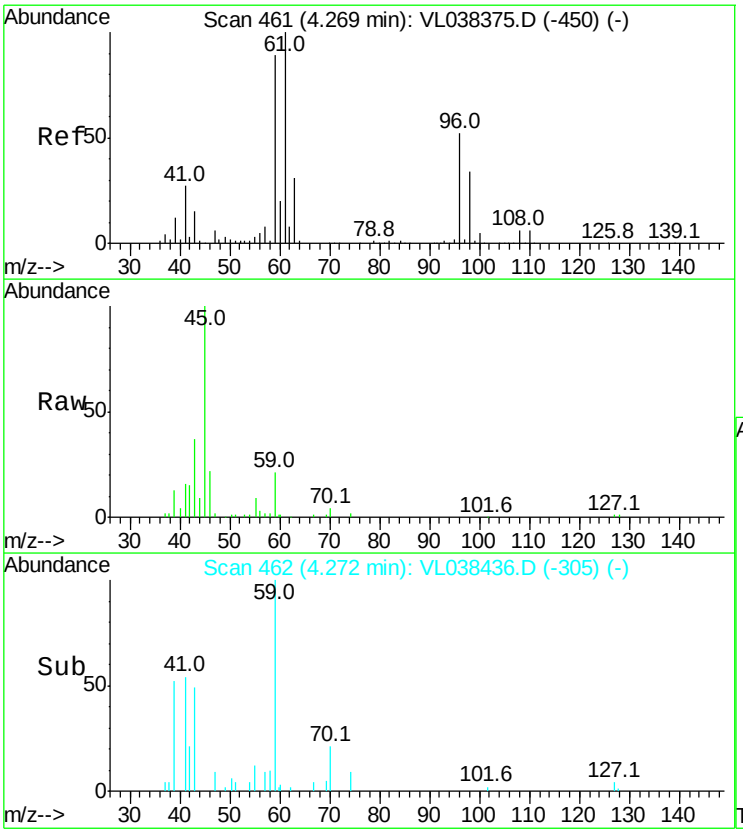
#16
1,3-Butadiene
Concen: 0.26 ppbv
RT: 3.29
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 39 Resp: 10851

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.3	90.5#

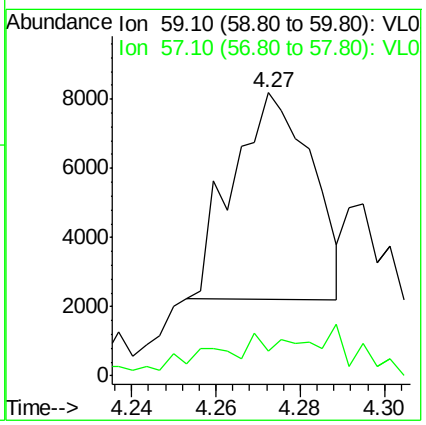


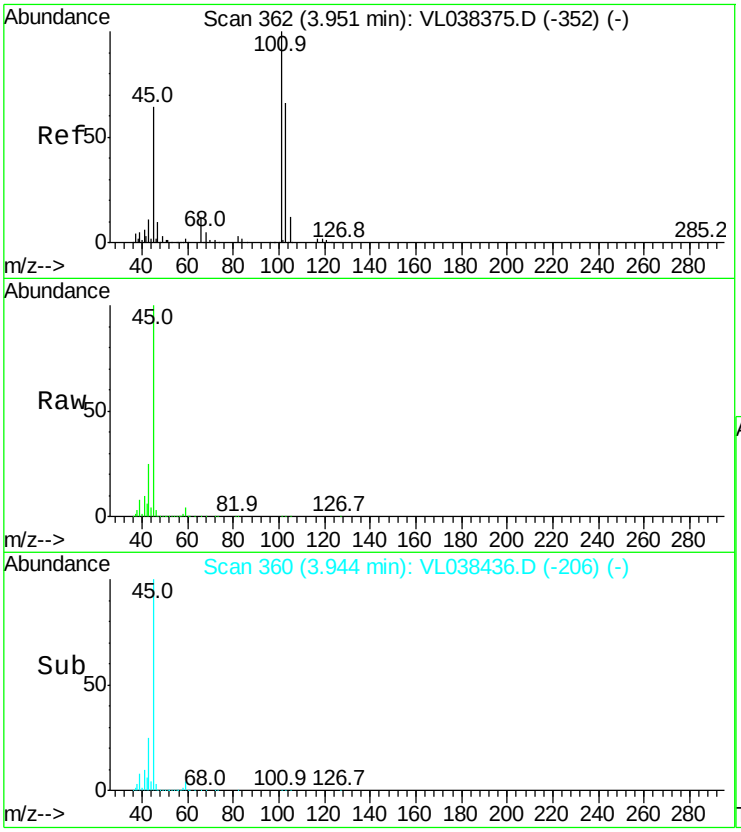


#17
tert-Butyl alcohol
Concen: 0.13 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 59 Resp: 7765

Ion	Ratio	Lower	Upper
59	100		
57	877.7	8.4	12.6#



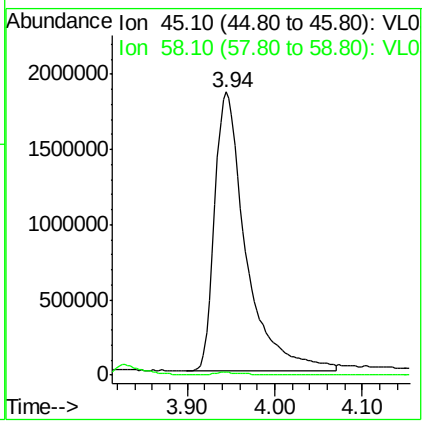


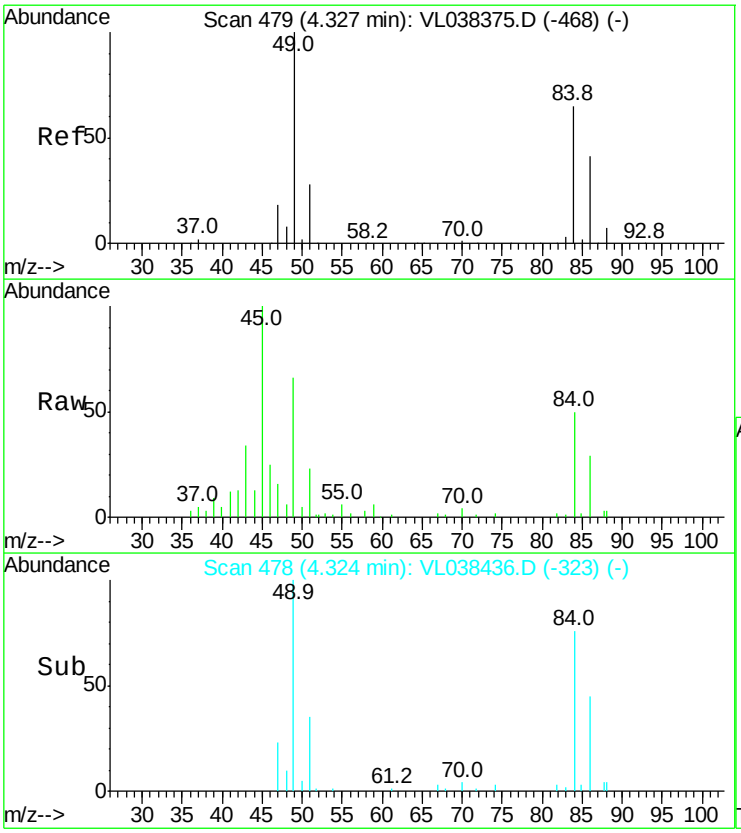
#19
Isopropyl Alcohol
Concen: 129.43 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 45 Resp: 4613415

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.8	2.8#

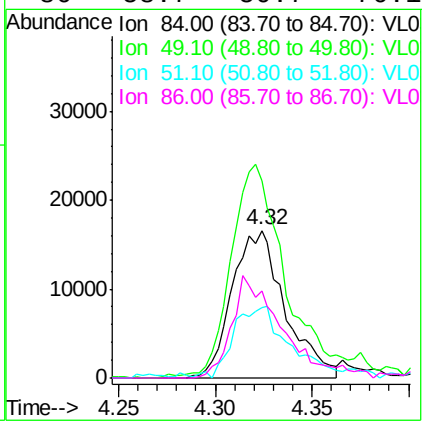


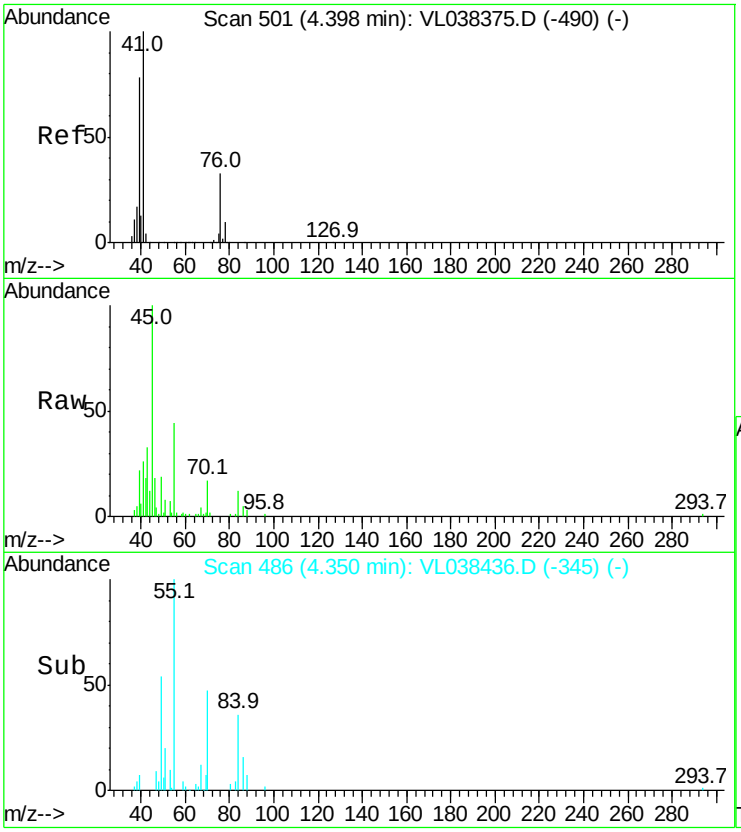


#20
Methylene Chloride
Concen: 1.03 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 84 Resp: 31524

Ion	Ratio	Lower	Upper
84	100		
49	131.4	122.4	183.6
51	45.1	33.3	49.9
86	58.7	50.7	76.1



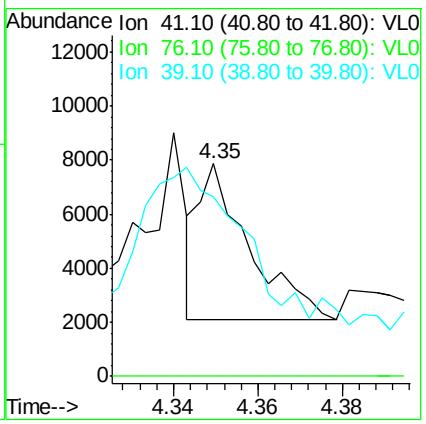


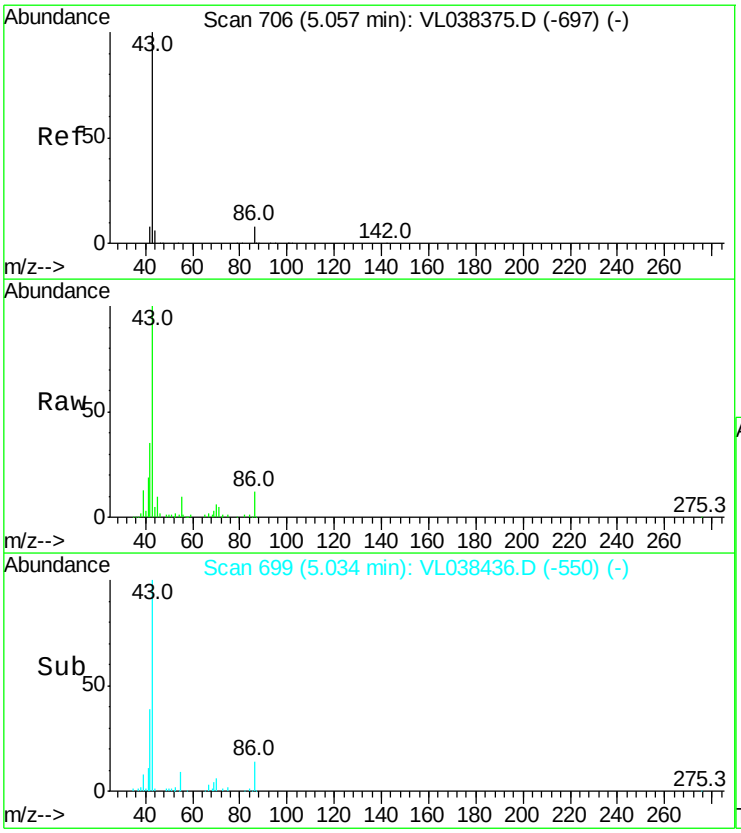
#21
Allyl Chloride
Concen: 0.09 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 41 Resp: 4807

Ion	Ratio	Lower	Upper
41	100		
76	6.2	25.4	38.0#
39	316.0	63.0	94.6#

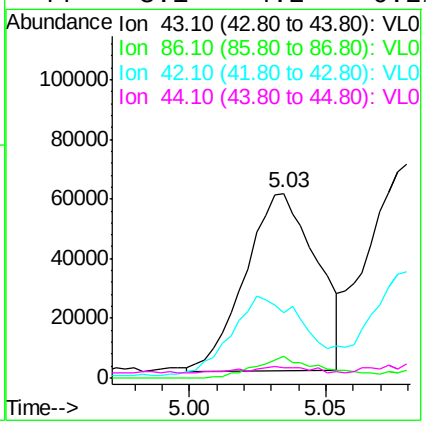


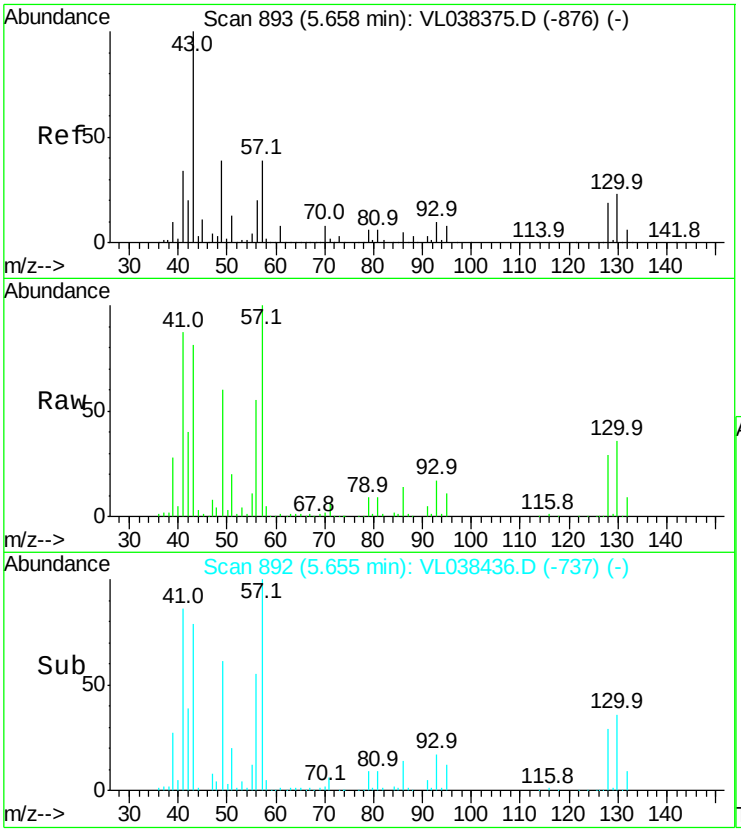


#23
Vinyl Acetate
Concen: 1.32 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.02 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 43 Resp: 107960

Ion	Ratio	Lower	Upper
43	100		
86	12.2	5.8	8.6#
42	33.7	7.4	11.0#
44	3.1	4.2	6.2#



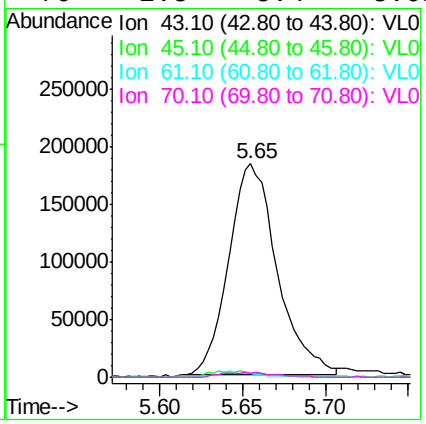


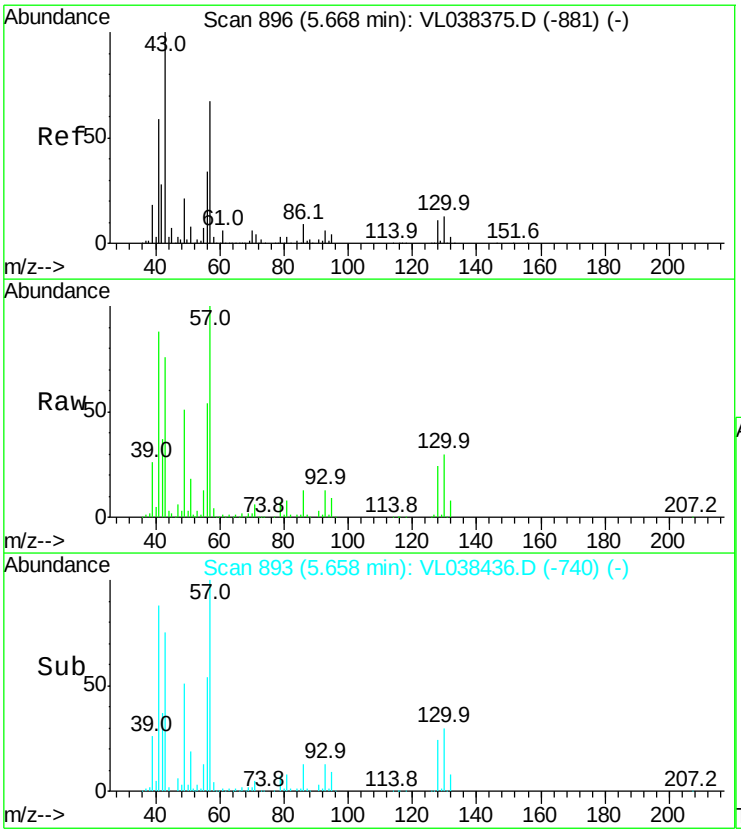
#25
Ethyl Acetate
Concen: 2.23 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 43 Resp: 368951

Ion	Ratio	Lower	Upper
43	100		
45	3.7	7.8	11.6#
61	2.4	7.5	11.3#
70	2.8	5.4	8.0#

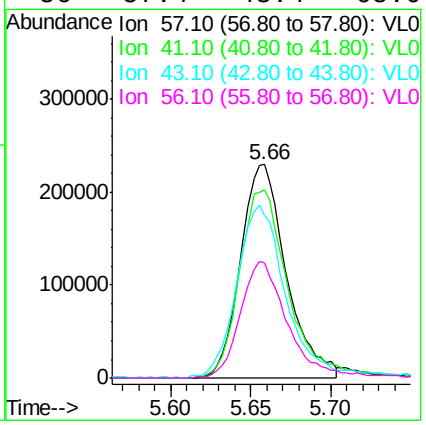


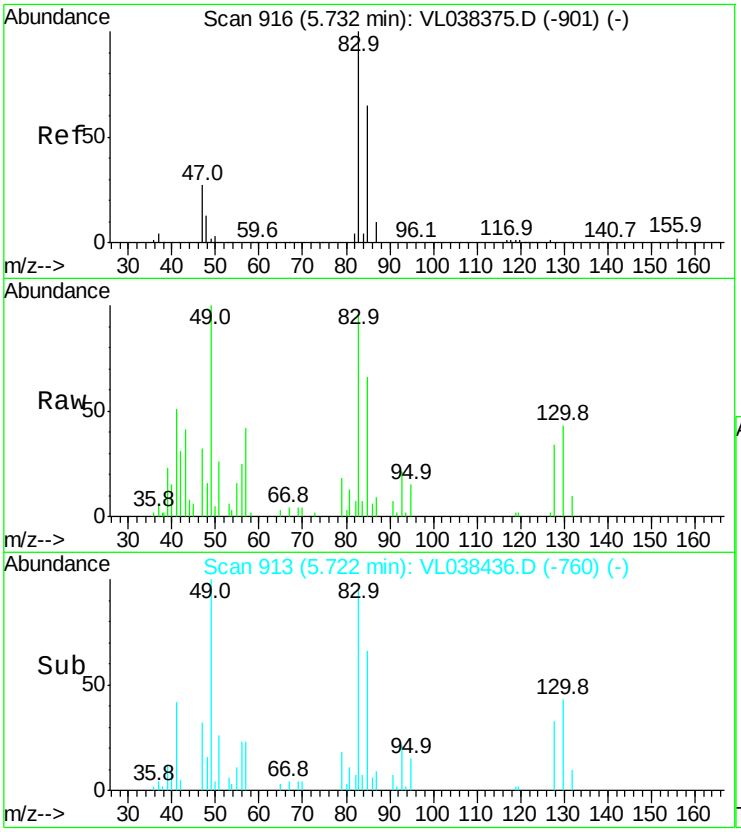


#26
Hexane
Concen: 5.98 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 57 Resp: 448069

Ion	Ratio	Lower	Upper
57	100		
41	95.5	73.1	109.7
43	89.5	181.0	271.4#
56	57.4	43.4	65.0



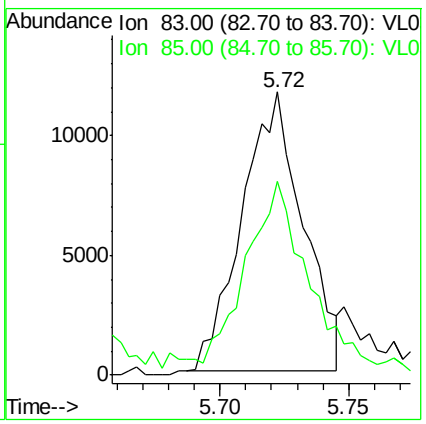


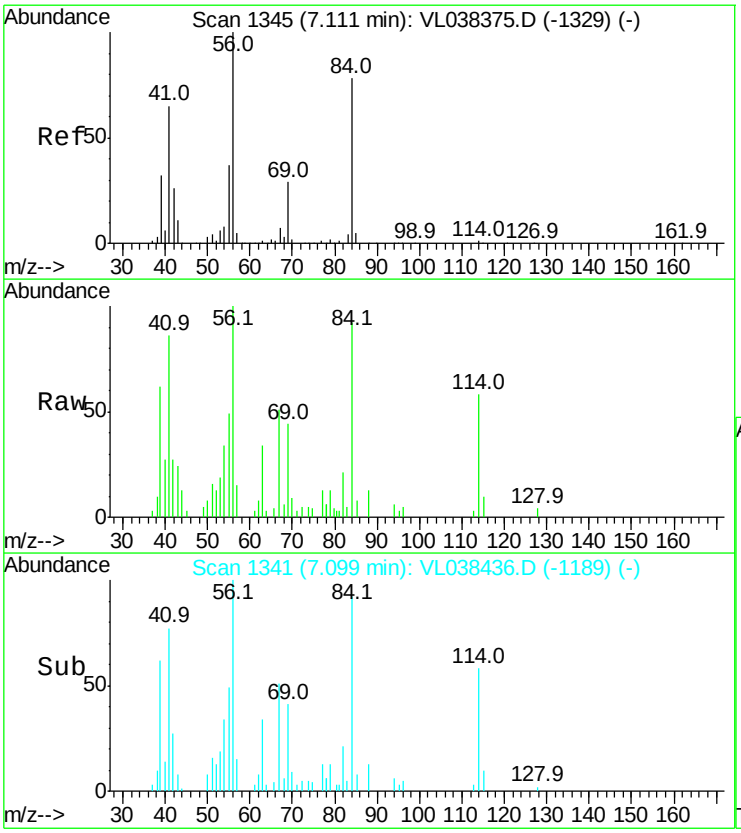
#29
Chloroform
Concen: 0.16 ppbv
RT: 5.72
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 83 Resp: 19257

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4

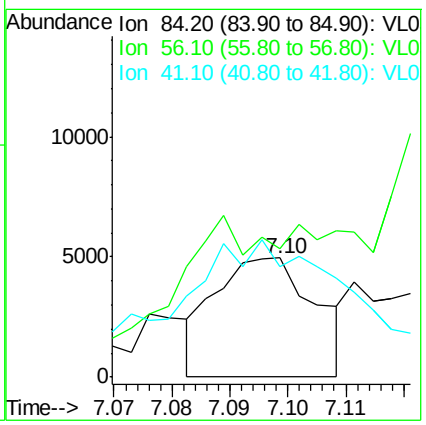


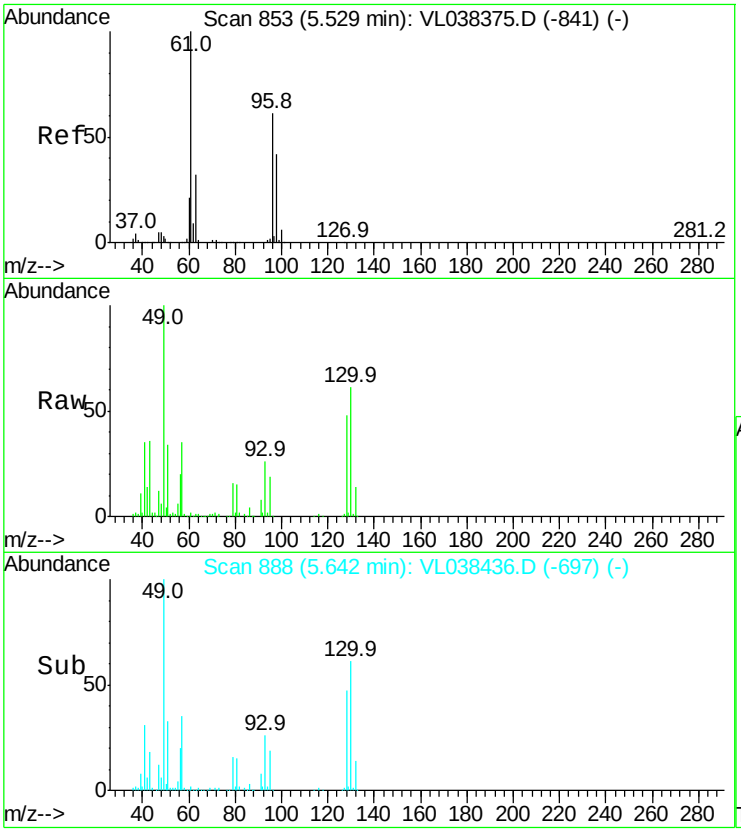


#30
Cyclohexane
Concen: 0.10 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 84 Resp: 5965

Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	208.7	74.3	111.5#



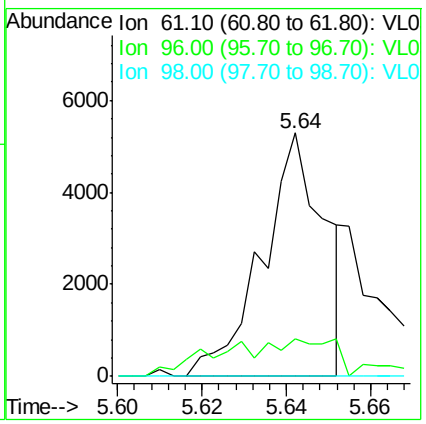


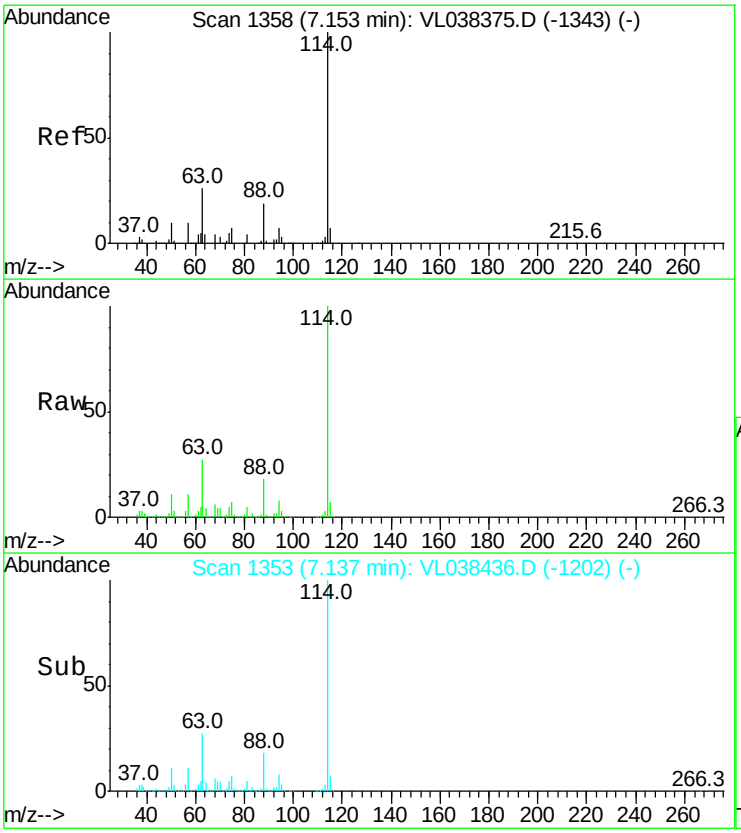
#31
cis-1,2-Dichloroethene
Concen: 0.07 ppbv
RT: 5.64
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 61 Resp: 5356

Ion	Ratio	Lower	Upper
61	100		
96	8.9	48.6	73.0#
98	0.0	33.2	49.8#

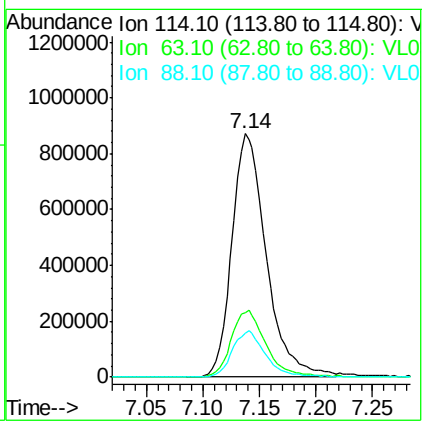


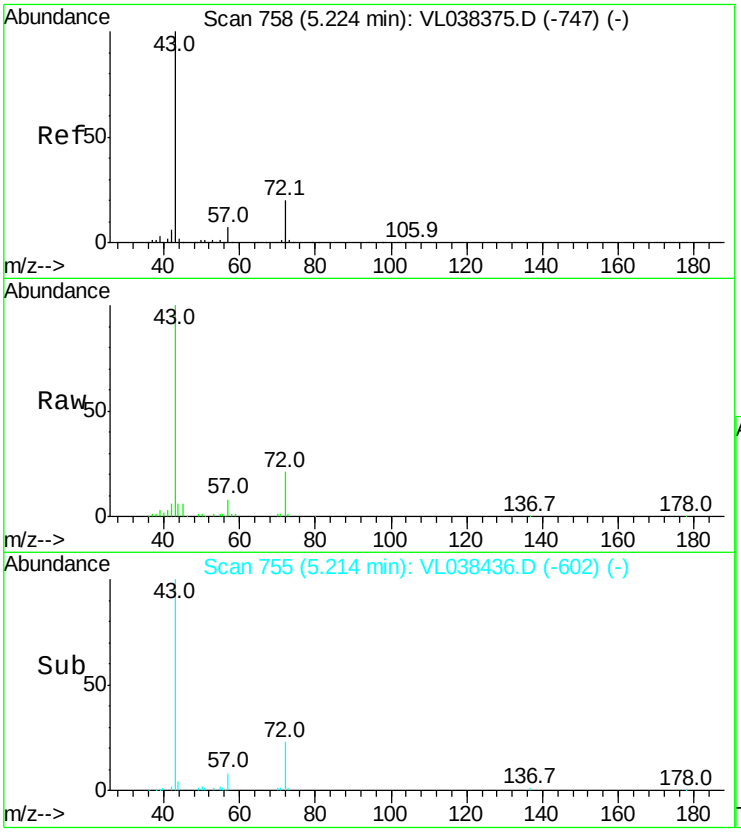


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion:114 Resp: 1846410

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.2
88	18.8	15.2	22.8



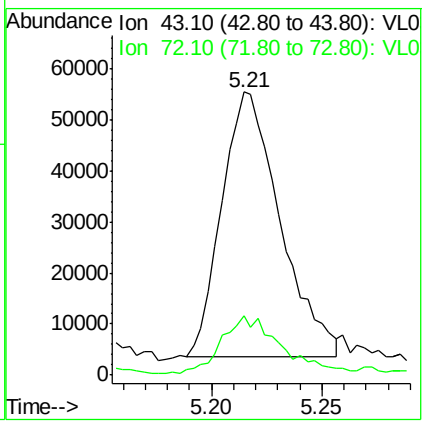


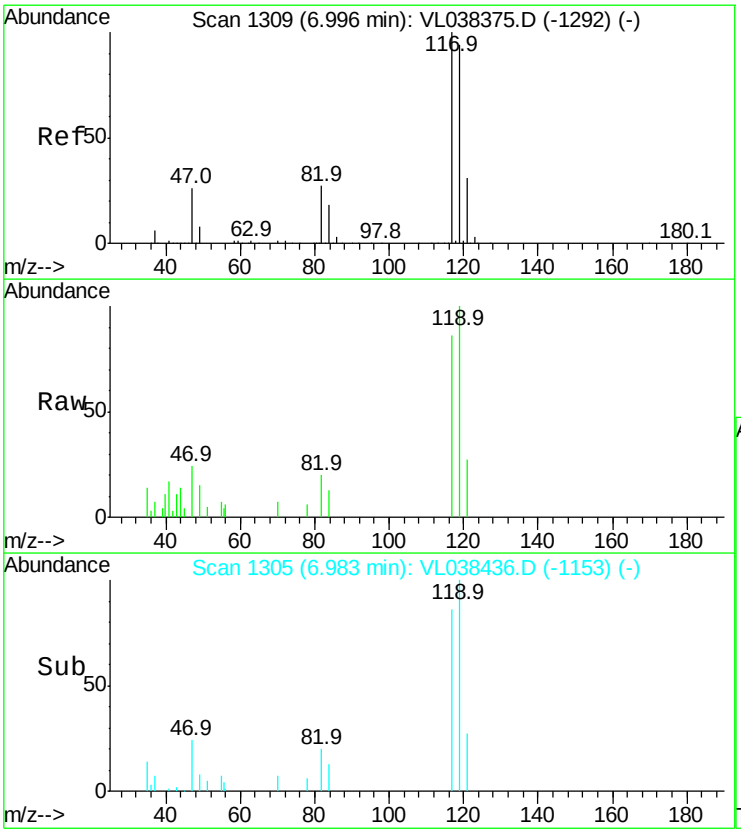
#34
2-Butanone
Concen: 1.64 ppbv
RT: 5.21
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 43 Resp: 95283

Ion	Ratio	Lower	Upper
43	100		
72	26.7	17.4	26.2#

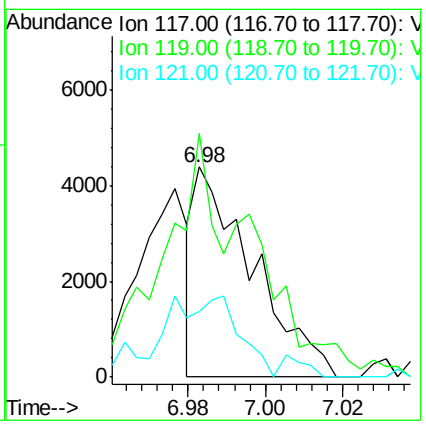


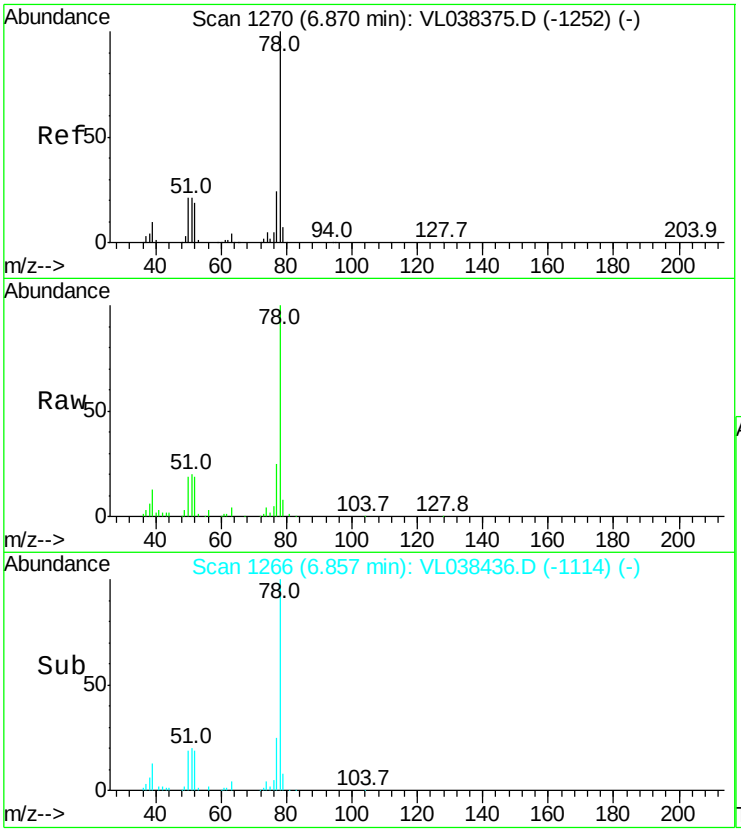


#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 6.98 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion:117 Resp: 4567

Ion	Ratio	Lower	Upper
117	100		
119	99.6	74.9	112.3
121	31.5	24.8	37.2



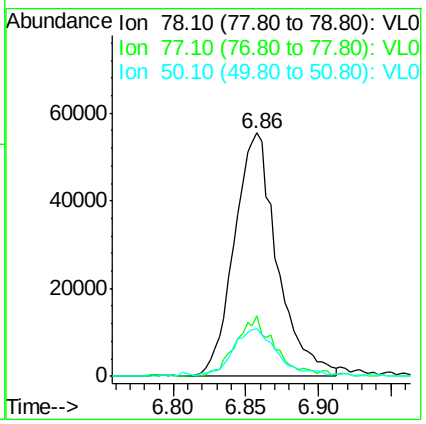


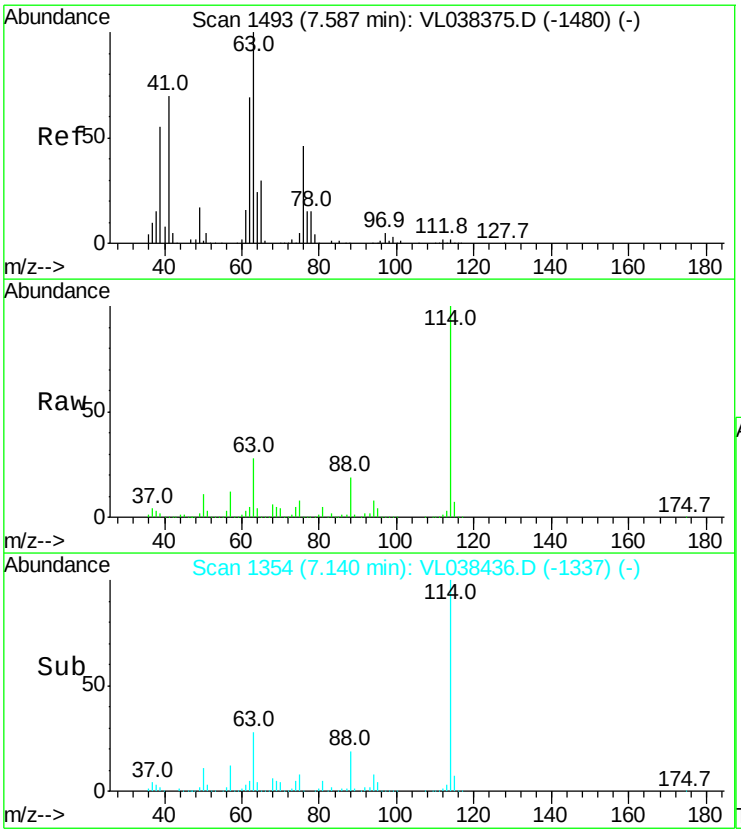
#36
Benzene
Concen: 0.70 ppbv
RT: 6.86
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 78 Resp: 114232

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6
50	18.4	16.6	24.8

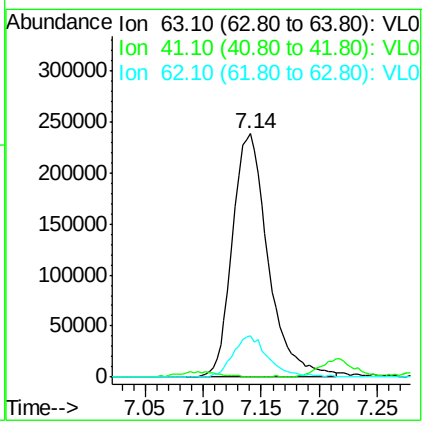


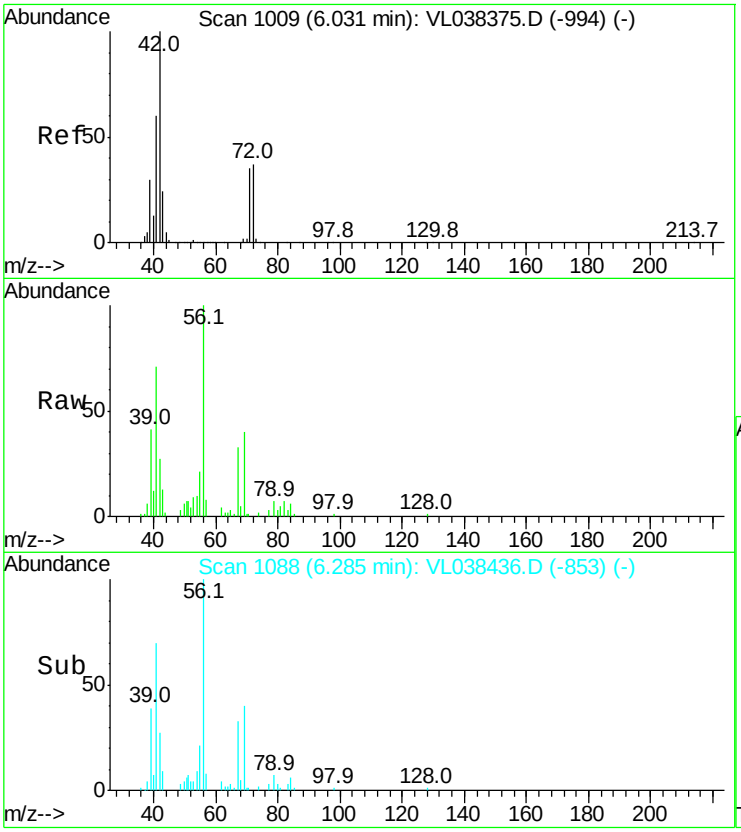


#39
1,2-Dichloropropane
Concen: 7.88 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 63 Resp: 510435

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.2	55.5	83.3#



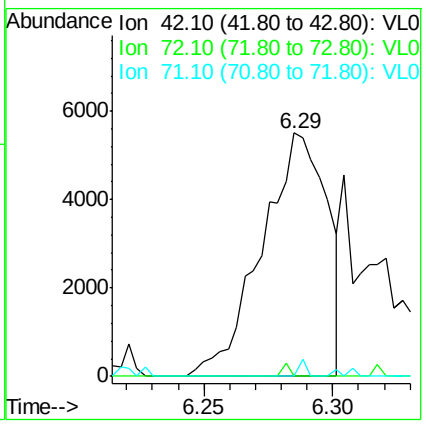


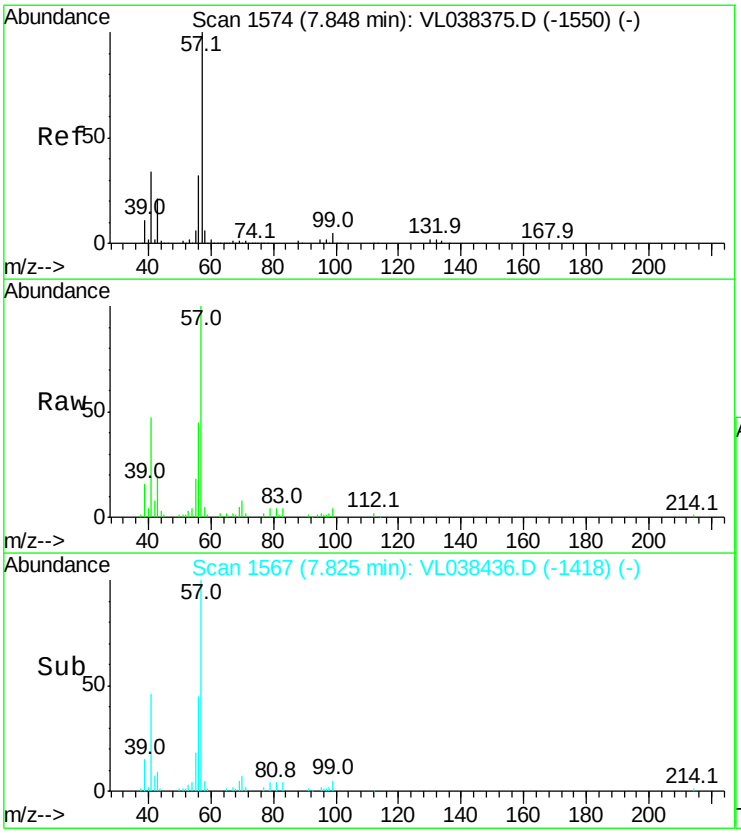
#41
Tetrahydrofuran
Concen: 0.25 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 42 Resp: 9715

Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.9	44.9#
71	0.0	28.6	42.8#

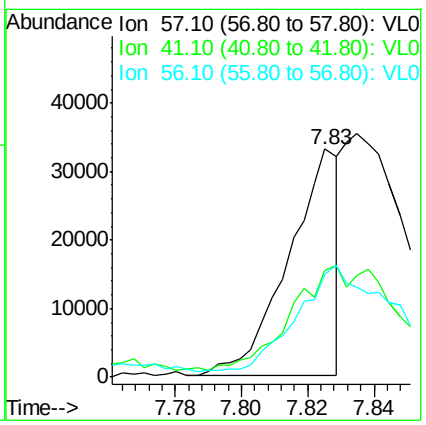


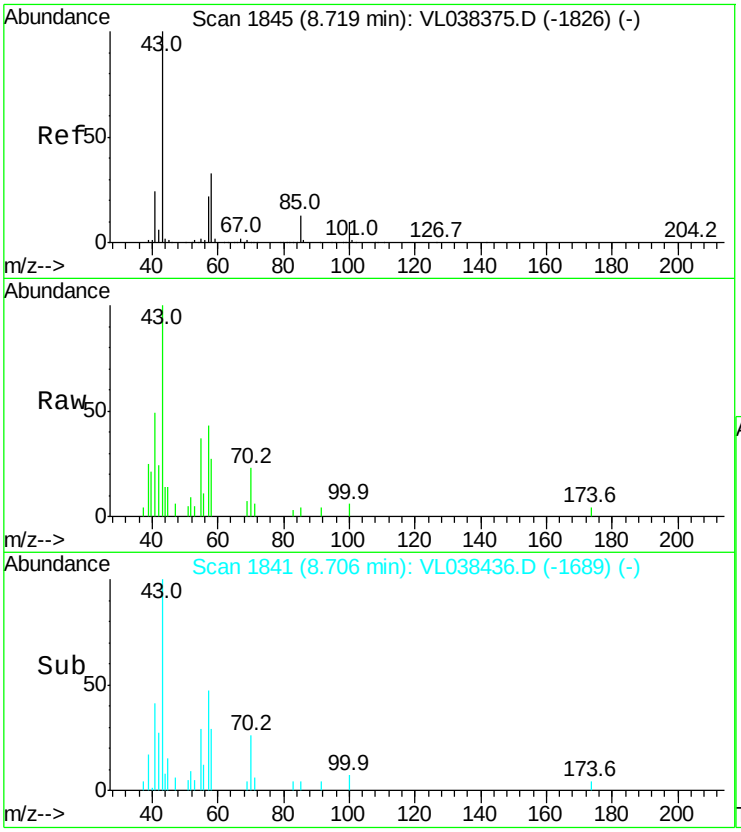


#44
2,2,4-Trimethylpentane
Concen: 0.12 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 57 Resp: 34622

Ion	Ratio	Lower	Upper
57	100		
41	113.9	26.6	39.8#
56	110.9	25.0	37.6#



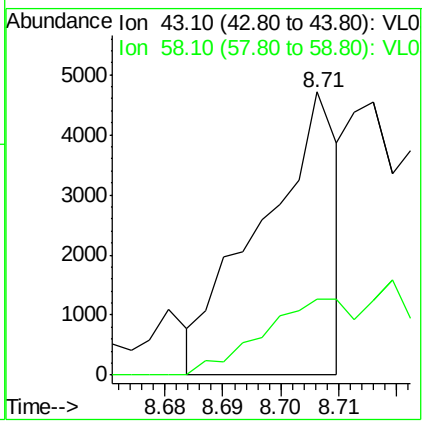


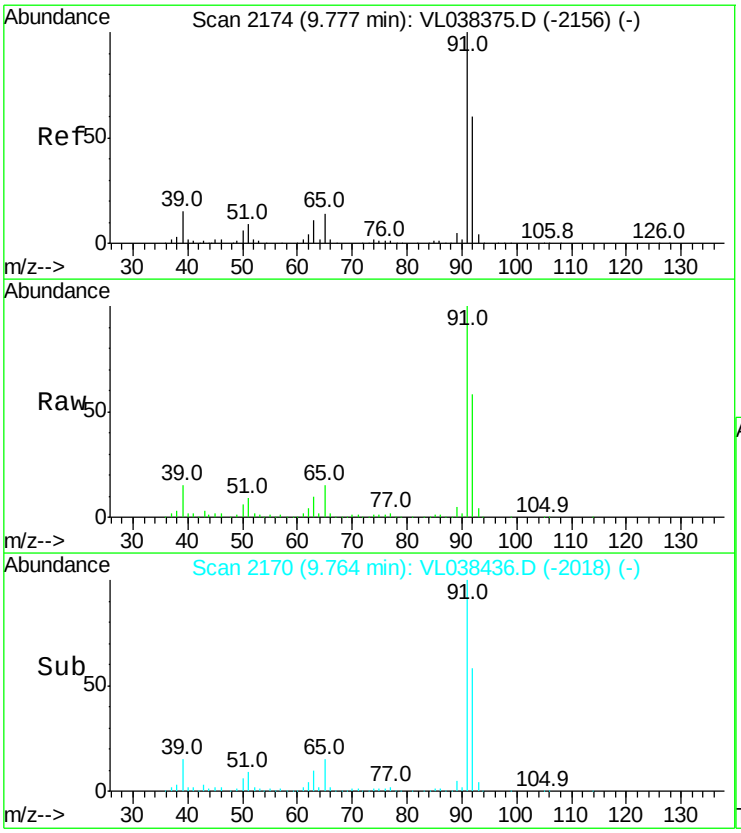
#50
4-Methyl-2-Pentanone
Concen: 0.04 ppbv
RT: 8.71
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 43 Resp: 4306

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.7	41.5#

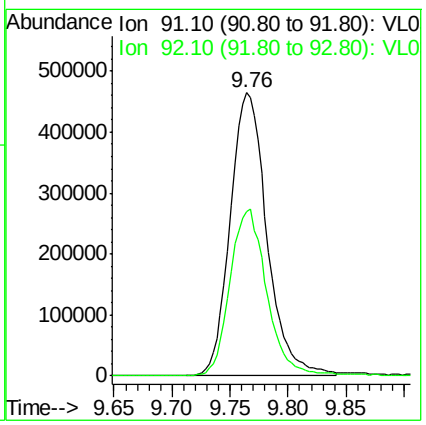


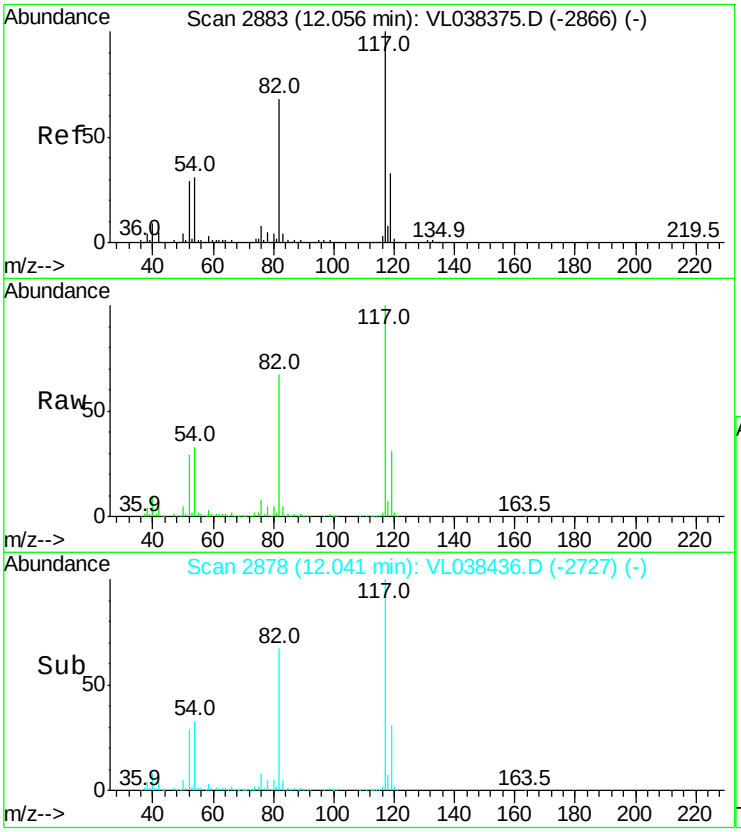


#53
Toluene
Concen: 5.80 ppbv
RT: 9.76 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 91 Resp: 1023803

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.2	72.4



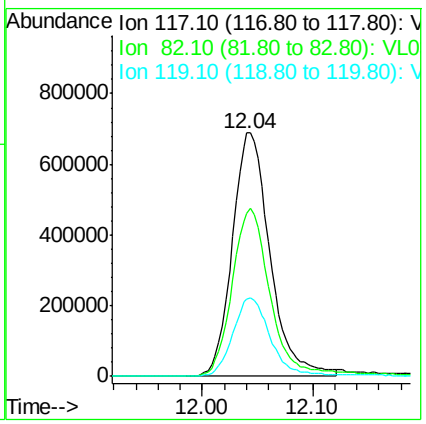


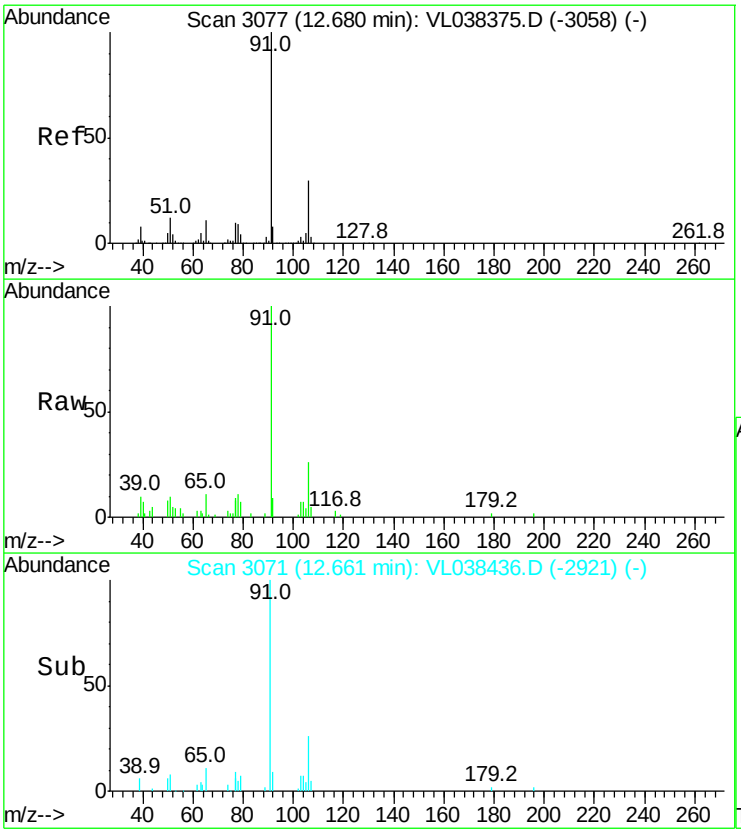
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.04
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion:117 Resp: 1632675

Ion	Ratio	Lower	Upper
117	100		
82	71.8	54.9	82.3
119	33.3	46.1	69.1#

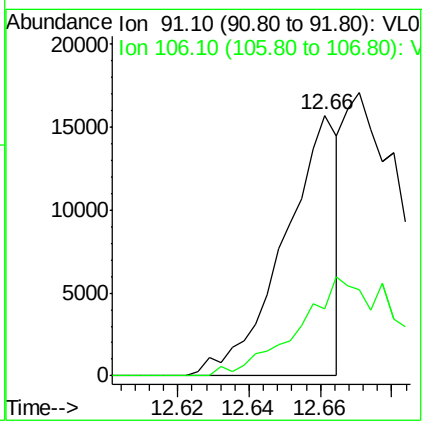


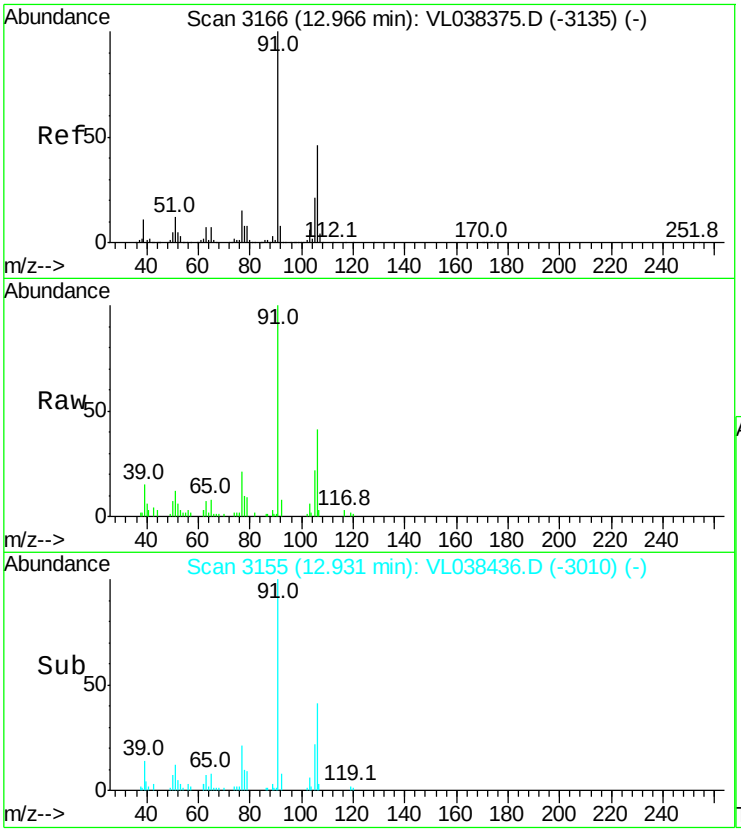


#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 12.66 min Scan# 3071
Delta R.T. -0.02 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 91 Resp: 16490

Ion	Ratio	Lower	Upper
91	100		
106	25.7	24.0	36.0



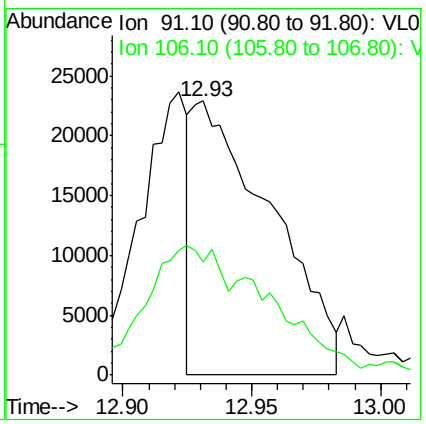


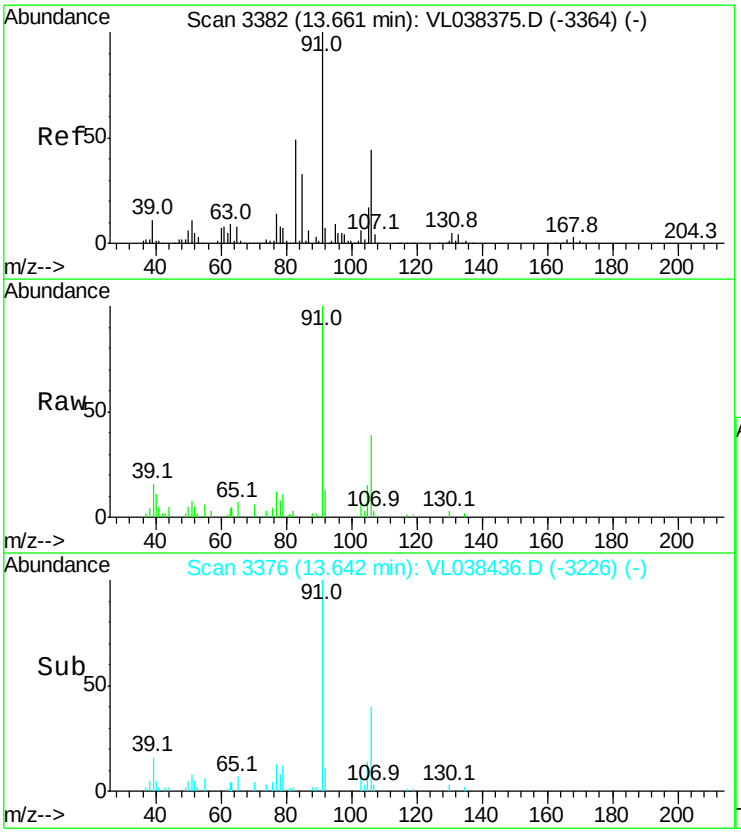
#59
m/p-Xylene
Concen: 0.25 ppbv
RT: 12.93
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 91 Resp: 48544

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

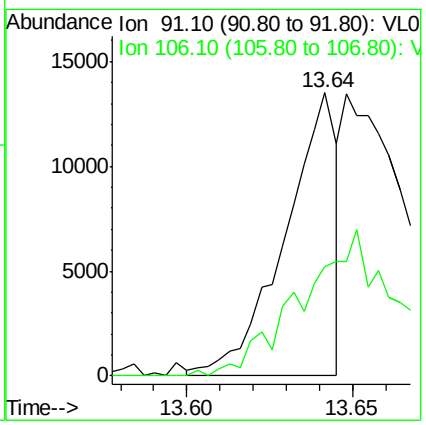


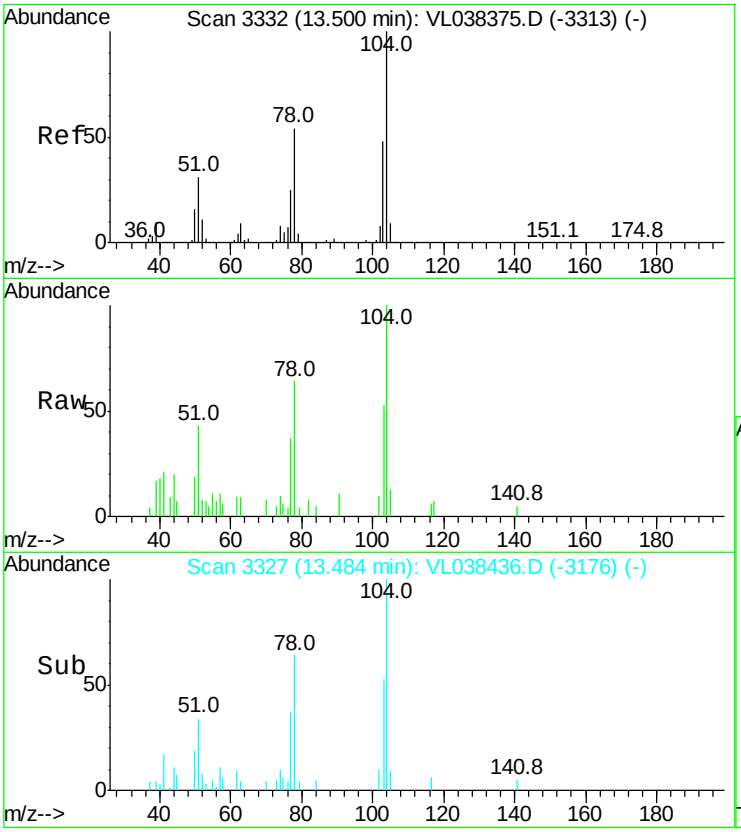


#60
o-Xylene
Concen: 0.08 ppbv
RT: 13.64 min Scan# 3376
Delta R.T. -0.02 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 91 Resp: 14664

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#



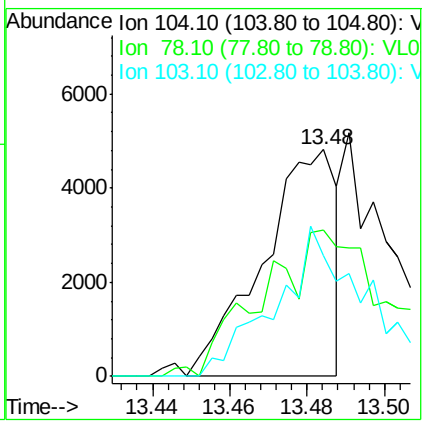


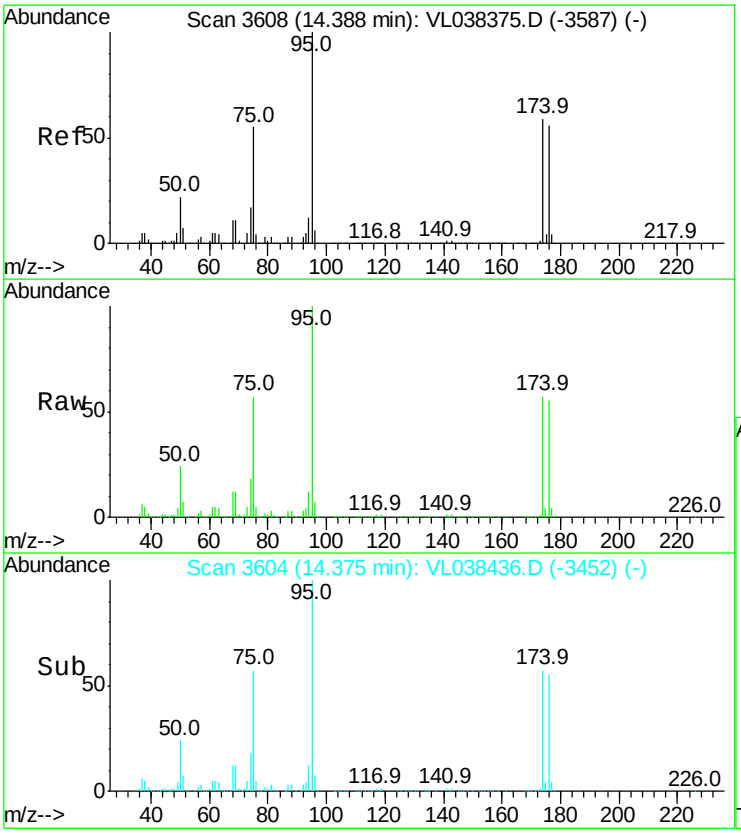
#61
Styrene
Concen: 0.08 ppbv
RT: 13.48
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion:104 Resp: 6373

Ion	Ratio	Lower	Upper
104	100		
78	114.0	44.2	66.4#
103	94.6	38.4	57.6#

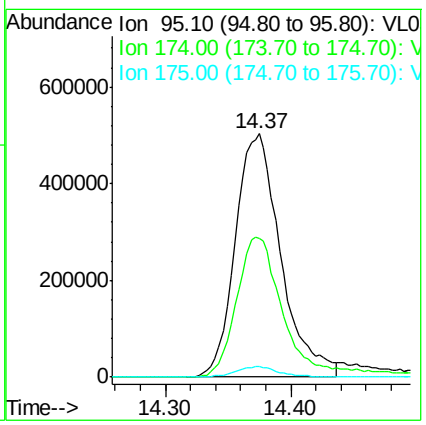


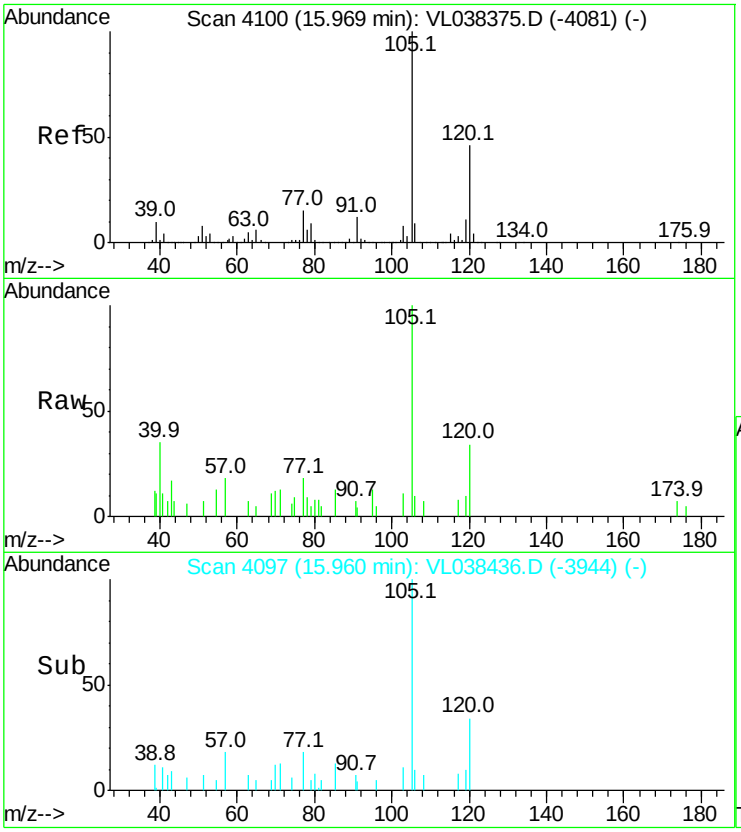


#68
1-Bromo-4-Fluorobenzene
Concen: 9.37 ppbv
RT: 14.37 min Scan# 3604
Delta R.T. -0.01 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 95 Resp: 1266039

Ion	Ratio	Lower	Upper
95	100		
174	61.9	49.0	73.4
175	4.3	3.6	5.4



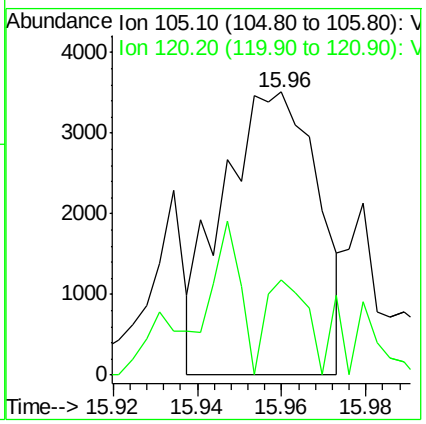


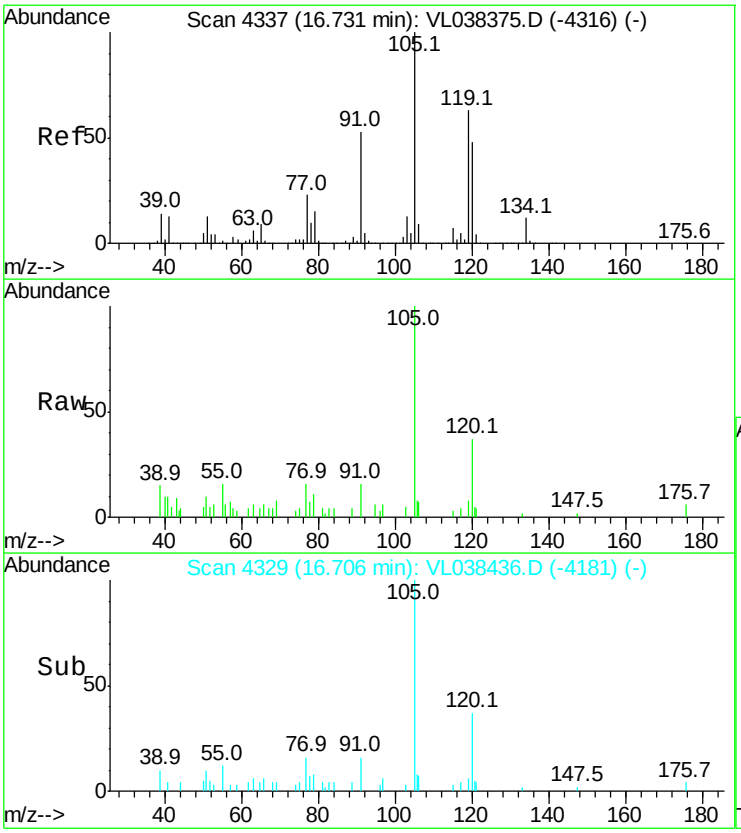
#73
1,3,5-Trimethylbenzene
Concen: 0.03 ppbv
RT: 15.96
Delta R.T
Lab File:
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion:105 Resp: 5495

Ion	Ratio	Lower	Upper
105	100		
120	22.2	36.6	55.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.04 ppbv
RT: 16.71 min Scan# 4329
Delta R.T. -0.03 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion:105 Resp: 7130

Ion	Ratio	Lower	Upper
105	100		
120	36.1	38.2	57.4#
91	14.5	42.7	64.1#
77	14.6	18.5	27.7#