Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
Data File : VL038419.D
Acq On : 23 Feb 2022 22:29
Operator : SY/AP
Sample : N1605-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-3

Quant Time: Feb 24 07:31:11 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	5.65	49	792383	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.15	114	1945227	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	1652306	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1283333	9.39	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	12703	0.10	ppbv		99
3) Chlorodifluoromethane	2.98	51	43080	0.31	ppbv	#	87
4) Chloromethane	3.14	50	27555	0.57	ppbv		100
9) Propene	3.01	41	88617	1.92	ppbv	#	70
10) Heptane	8.10	43	94725	0.84	ppbv		96
11) Trichlorofluoromethane	3.93	101	9549	0.08	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3987	0.05	ppbv	#	42
13) Ethanol	3.59	45	3384007	733.98	ppbv		87
15) Acetone	3.84	43	292675	4.34	ppbv	#	55
16) 1,3-Butadiene	3.30	39	11122	0.25	ppbv	#	12
17) tert-Butyl alcohol	3.96	59	248667	3.70	ppbv		98
19) Isopropyl Alcohol	3.96	45	6938708	177.82	ppbv	#	96
20) Methylene Chloride	4.33	84	32991	0.99	ppbv		95
21) Allyl Chloride	4.58	41	9282	0.16	ppbv	#	20
23) Vinyl Acetate	5.04	43	72348	0.81	ppbv	#	41
25) Ethyl Acetate	5.67	43	421622	2.33	ppbv	#	81
26) Hexane	5.67	57	560025	6.83	ppbv	#	45
29) Chloroform	5.74	83	14292	0.11	ppbv		99
34) 2-Butanone	5.23	43	93270	1.52	ppbv		98
36) Benzene	6.87	78	135258	0.79	ppbv		97
39) 1,2-Dichloropropane	7.15	63	507596	7.44	ppbv	#	25
41) Tetrahydrofuran	5.67	42	212315	5.14	ppbv	#	52
42) Bromodichloromethane	7.77	83	4383	0.03	ppbv	#	68
44) 2,2,4-Trimethylpentane	7.85	57	87772	0.30	ppbv	#	85
50) 4-Methyl-2-Pentanone	8.72	43	5048	0.05	ppbv	#	50
53) Toluene	9.78	91	1003484	5.40	ppbv		99
58) Ethyl Benzene	12.68	91	34498	0.15	ppbv		92
59) m/p-Xylene	12.97	91	15604	0.08	ppbv	#	33
60) o-Xylene	13.66	91	18340	0.10	ppbv	#	58
74) 1,2,4-Trimethylbenzene	16.73	105	20898	0.11	ppbv	#	65

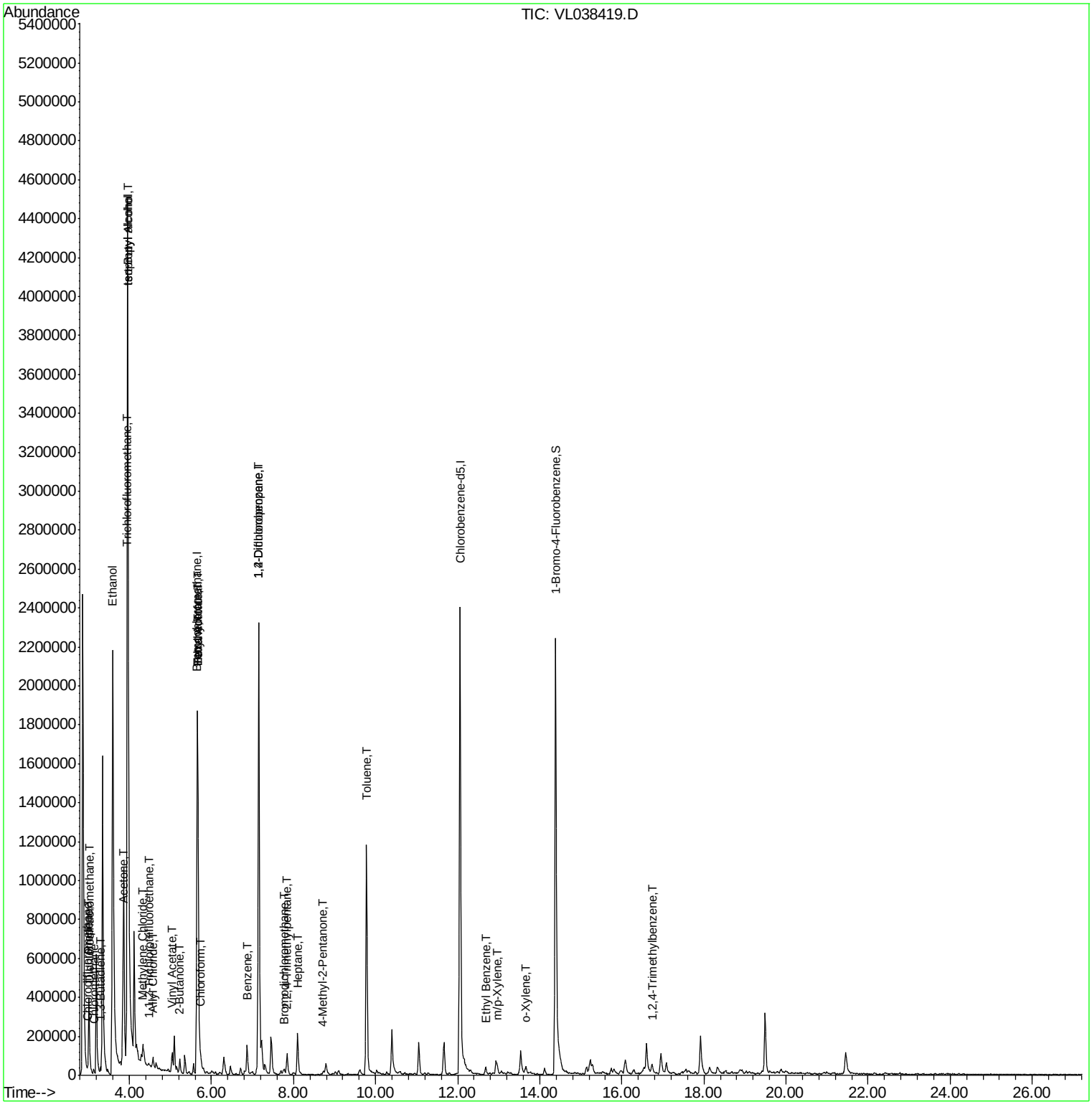
(#) = qualifier out of range (m) = manual integration (+) = signals summed

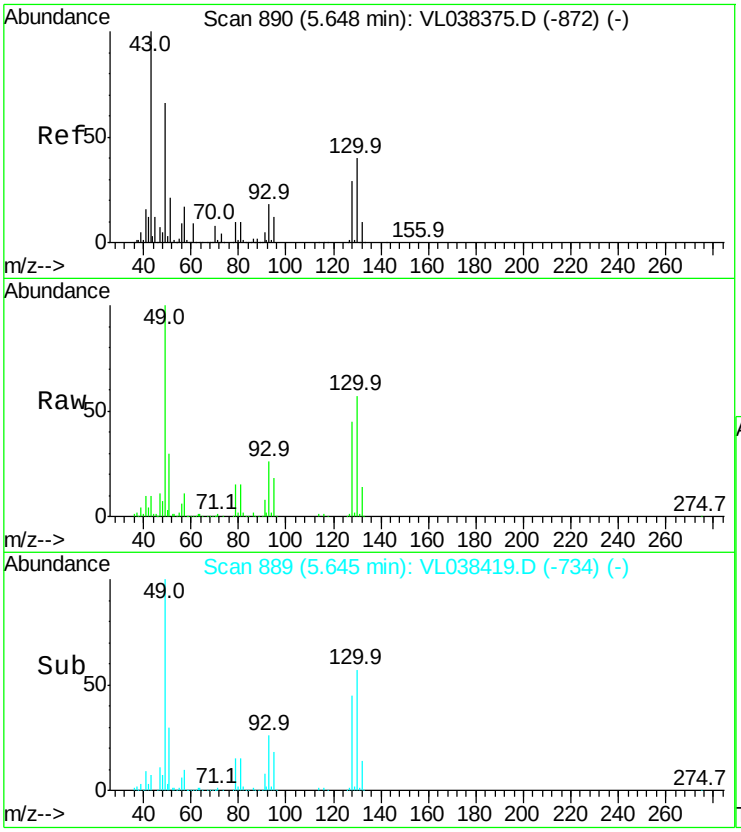
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
Data File : VL038419.D
Acq On : 23 Feb 2022 22:29
Operator : SY/AP
Sample : N1605-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Quant Time: Feb 24 07:31:11 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



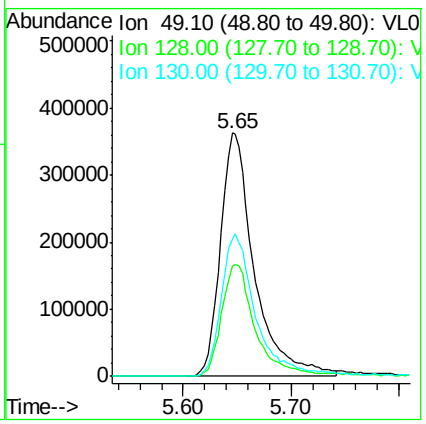


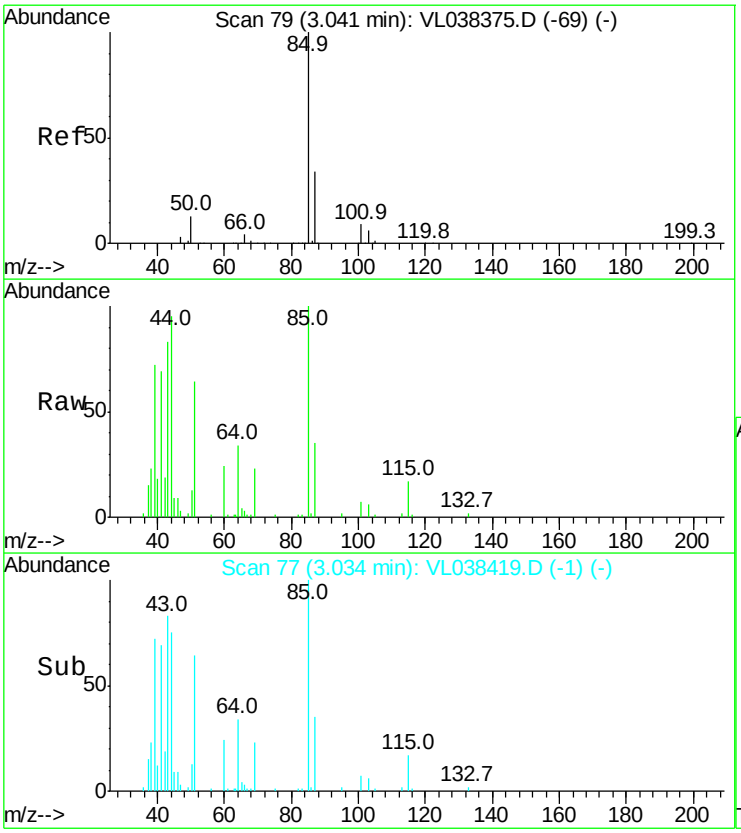
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 49 Resp: 792383

Ion	Ratio	Lower	Upper
49	100		
128	46.6	24.3	72.9
130	60.8	30.1	90.5

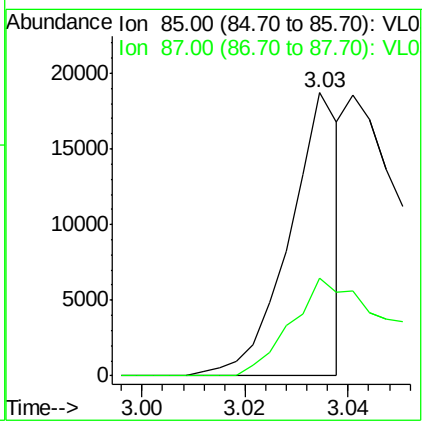


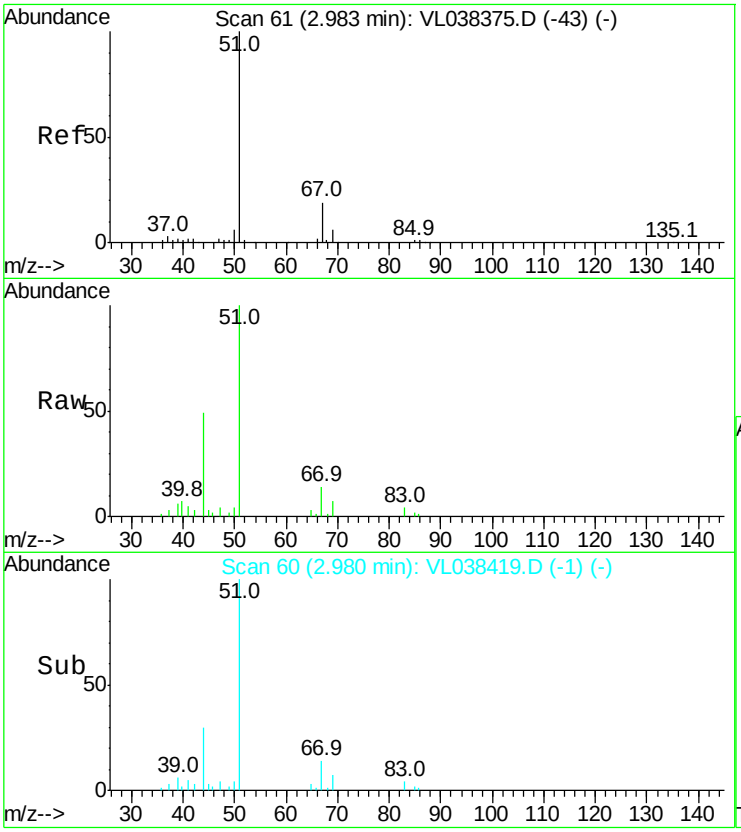


#2
Dichlorodifluoromethane
Concen: 0.10 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 85 Resp: 12703

Ion	Ratio	Lower	Upper
85	100		
87	34.5	27.4	41.0



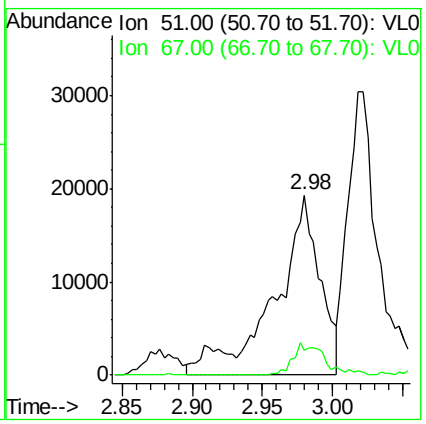


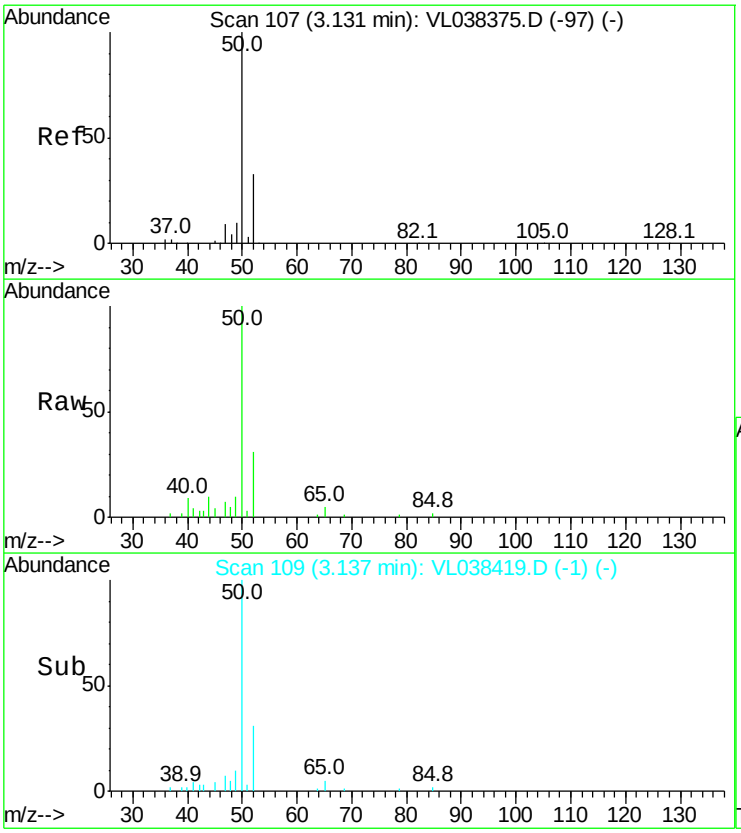
#3
Chlorodifluoromethane
Concen: 0.31 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 51 Resp: 43080

Ion	Ratio	Lower	Upper
51	100		
67	12.4	14.7	22.1#

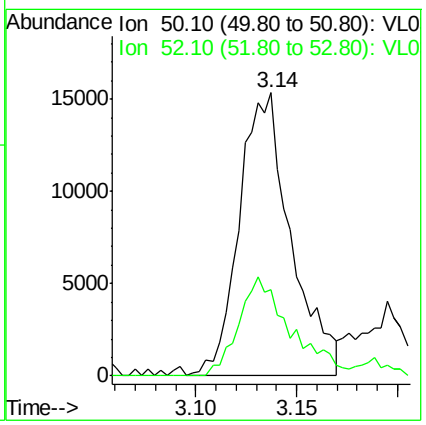


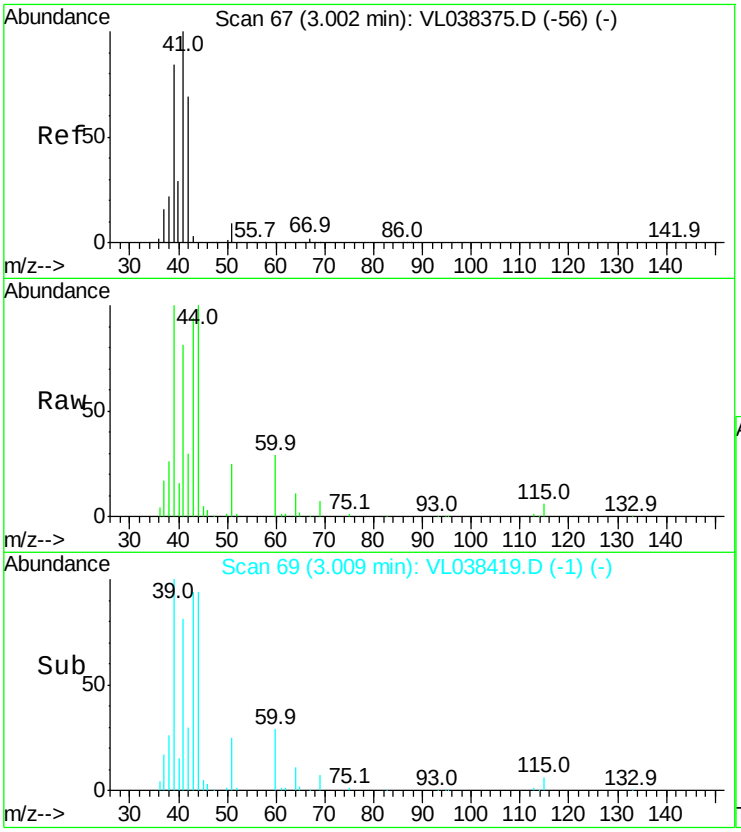


#4
Chloromethane
Concen: 0.57 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.01 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 50 Resp: 27555

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.5	39.7



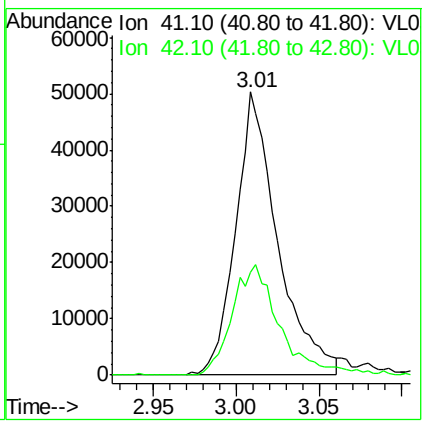


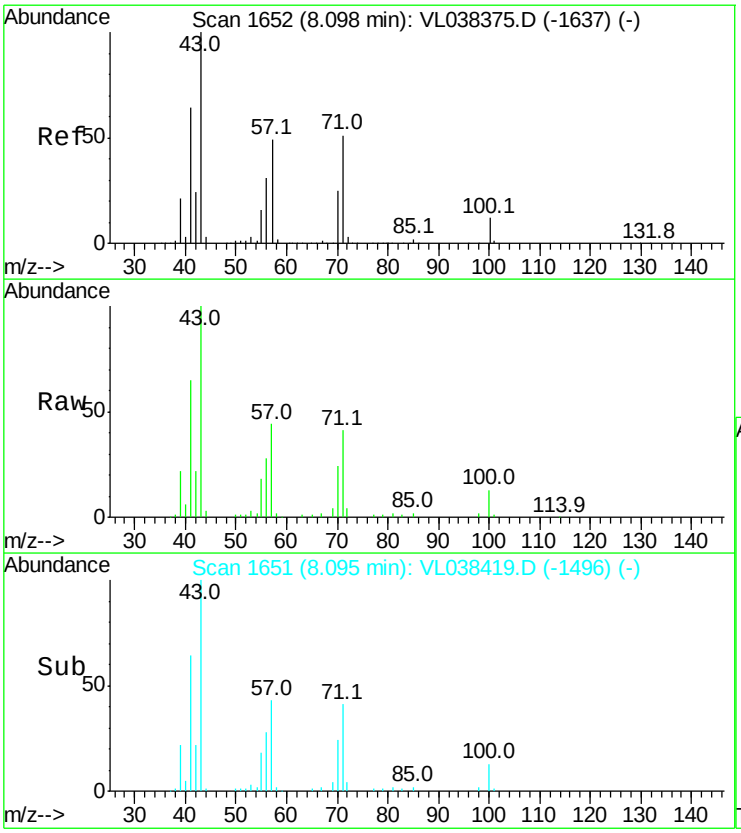
#9
Propene
Concen: 1.92 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 41 Resp: 88617

Ion	Ratio	Lower	Upper
41	100		
42	44.4	54.6	82.0#

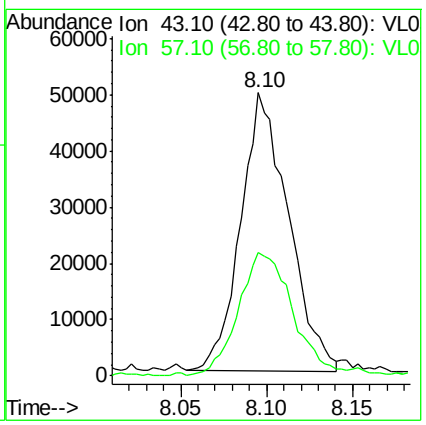


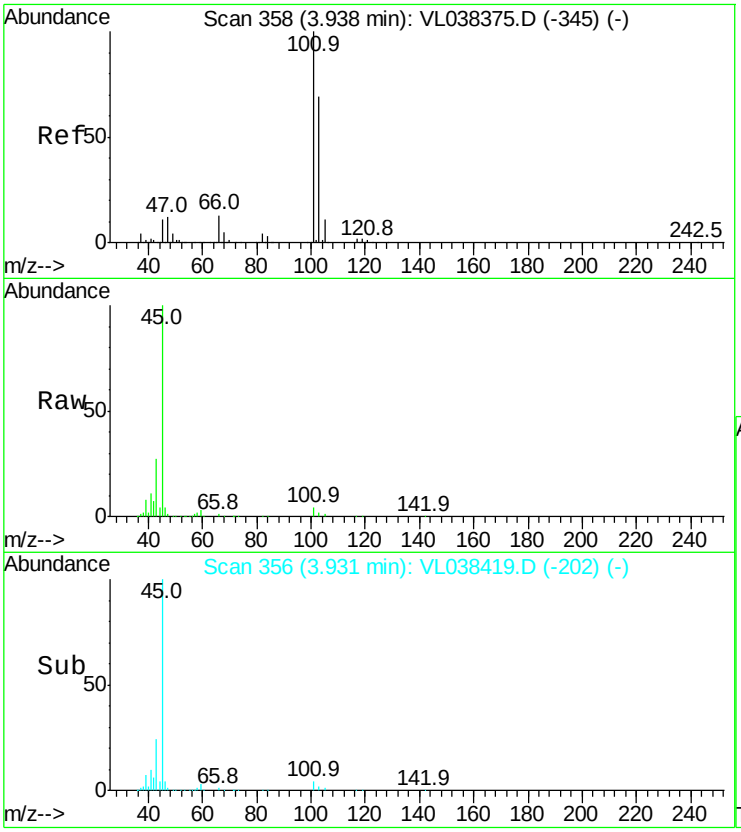


#10
Heptane
Concen: 0.84 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 43 Resp: 94725

Ion	Ratio	Lower	Upper
43	100		
57	52.7	39.8	59.8



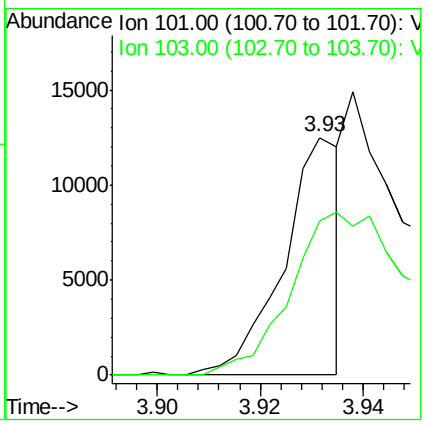


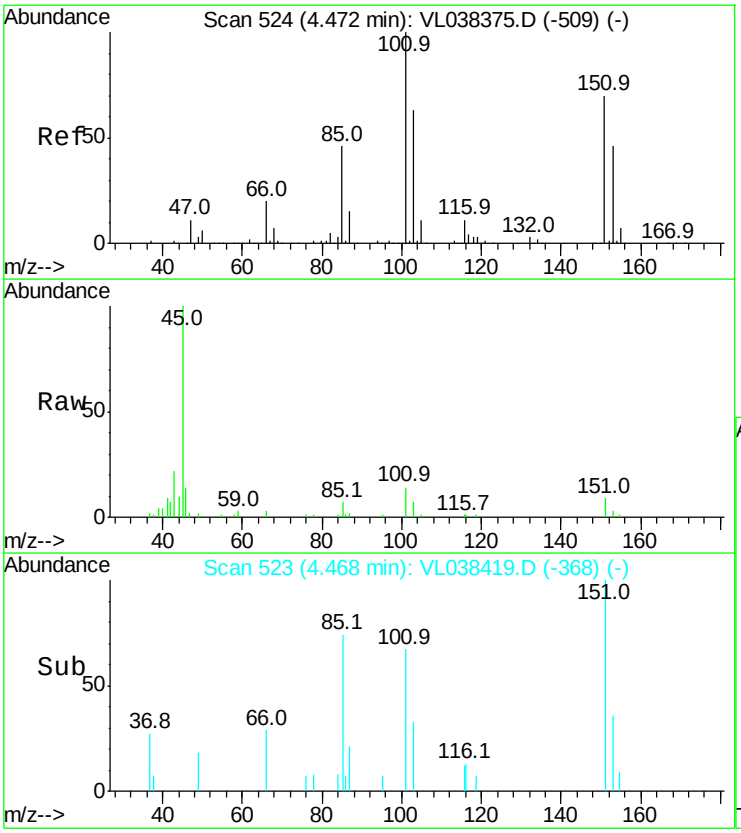
#11
Trichlorofluoromethane
Concen: 0.08 ppbv
RT: 3.93
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion:101 Resp: 9549

Ion	Ratio	Lower	Upper
101	100		
103	65.0	55.0	82.4

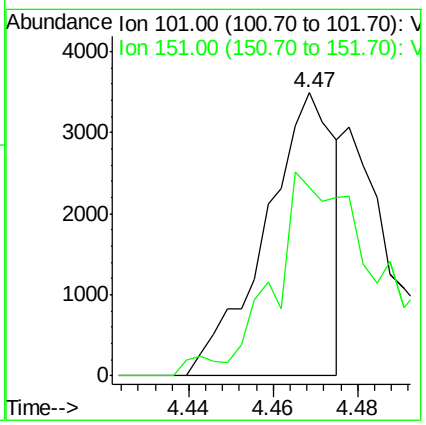


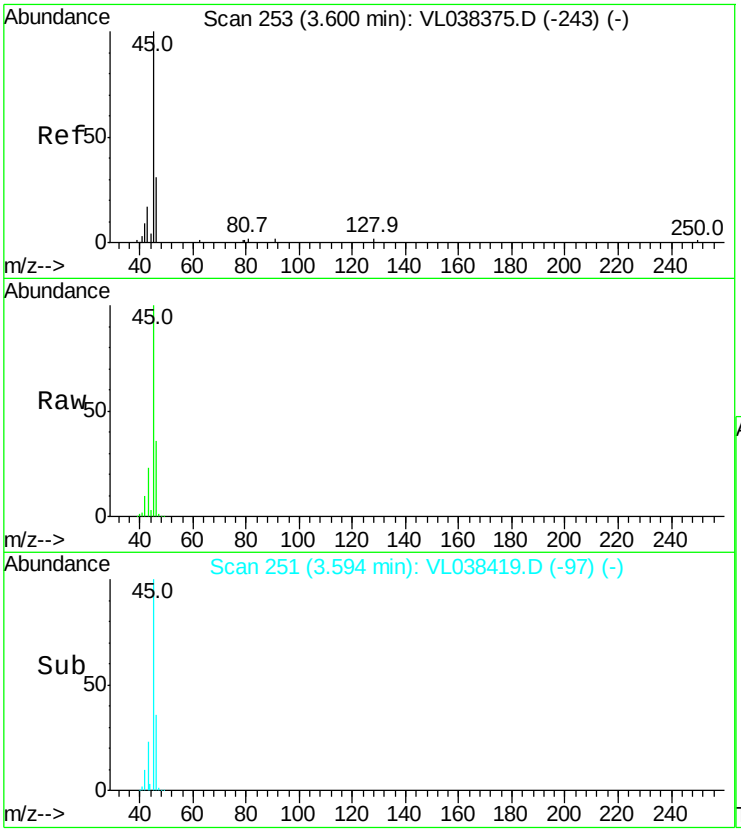


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 4.47 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion:101 Resp: 3987

Ion	Ratio	Lower	Upper
101	100		
151	117.7	55.9	83.9#



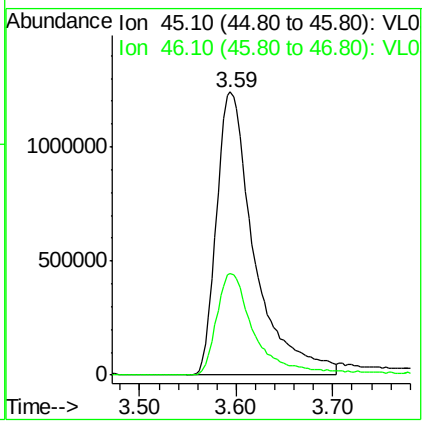


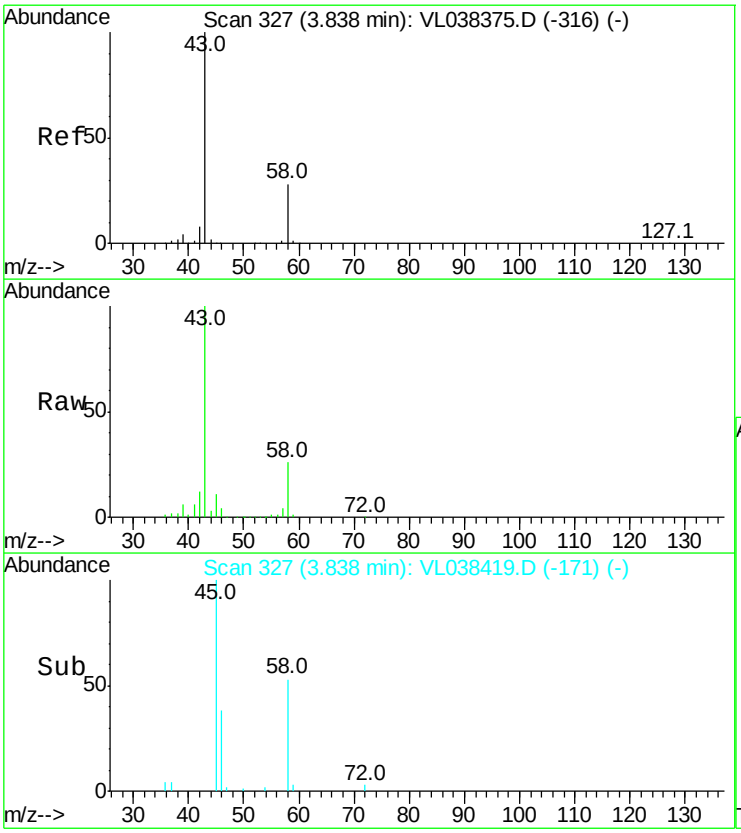
#13
Ethanol
Concen: 733.98 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 45 Resp: 3384007

Ion	Ratio	Lower	Upper
45	100		
46	37.2	18.2	72.8

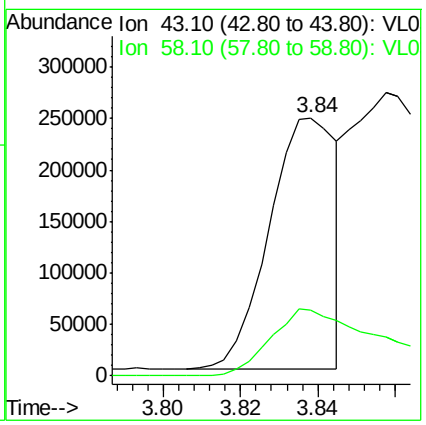


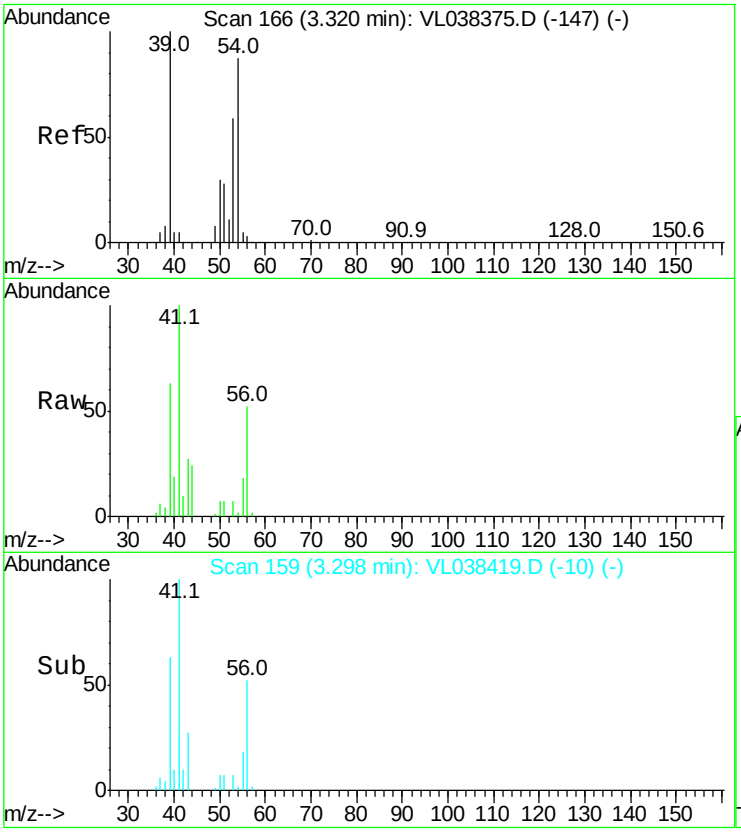


#15
Acetone
Concen: 4.34 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 43 Resp: 292675

Ion	Ratio	Lower	Upper
43	100		
58	50.5	21.7	32.5#



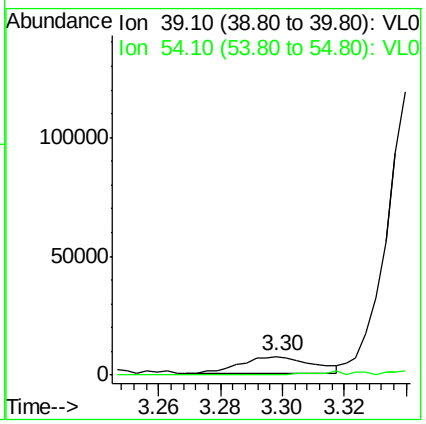


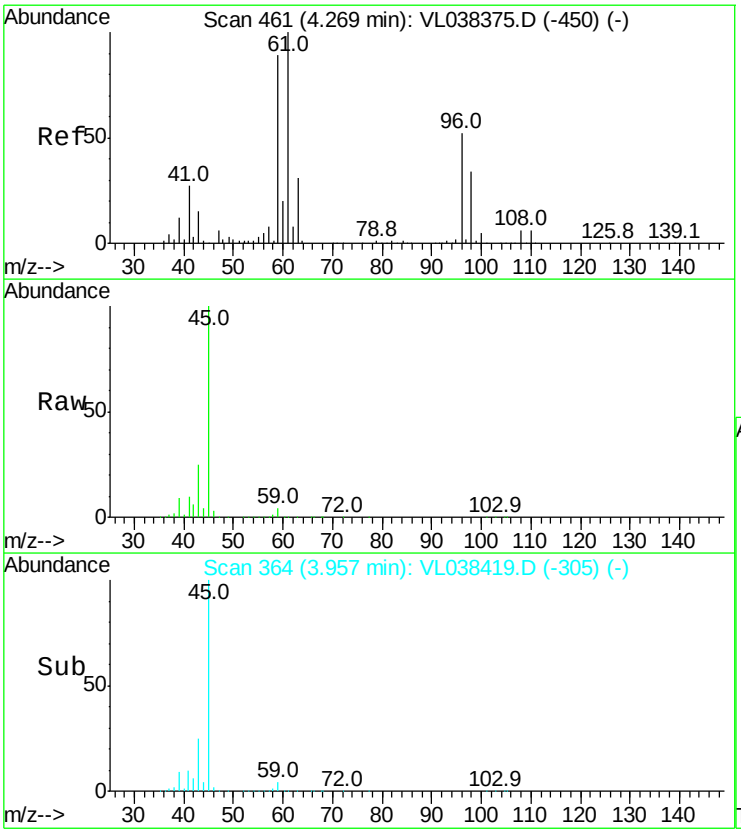
#16
1,3-Butadiene
Concen: 0.25 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 39 Resp: 11122

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.3	90.5#

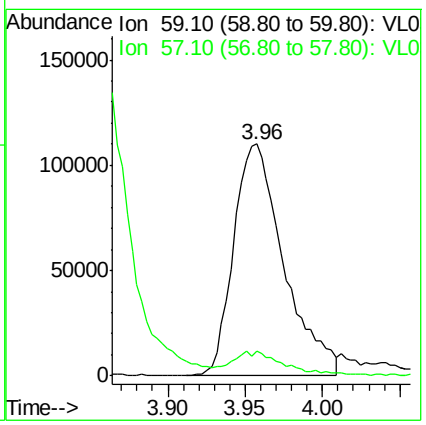


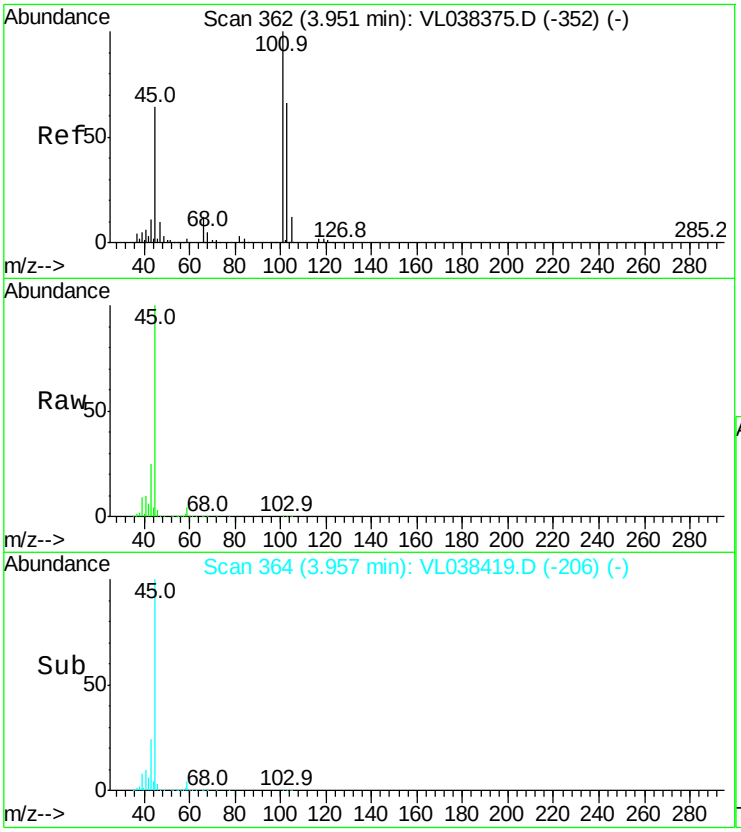


#17
tert-Butyl alcohol
Concen: 3.70 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.31 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 59 Resp: 248667

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.4	12.6



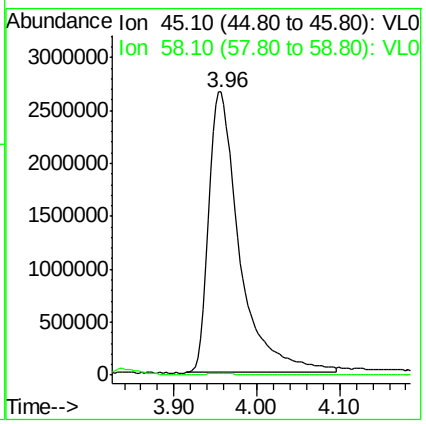


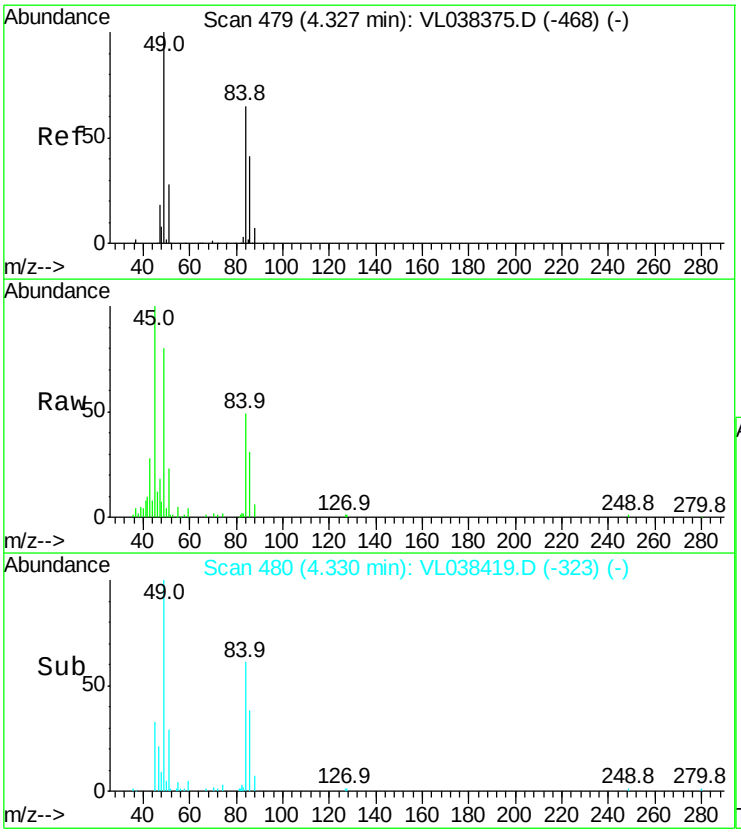
#19
Isopropyl Alcohol
Concen: 177.82 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 45 Resp: 6938708

Ion	Ratio	Lower	Upper
45	100		
58	0.9	1.8	2.8#

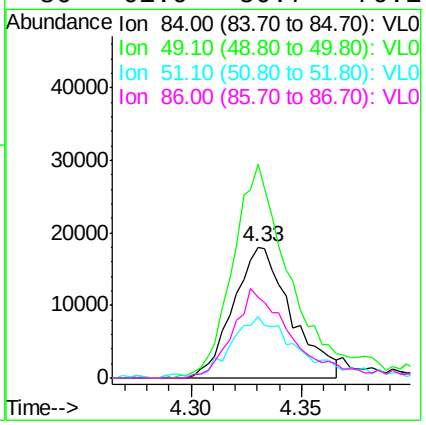


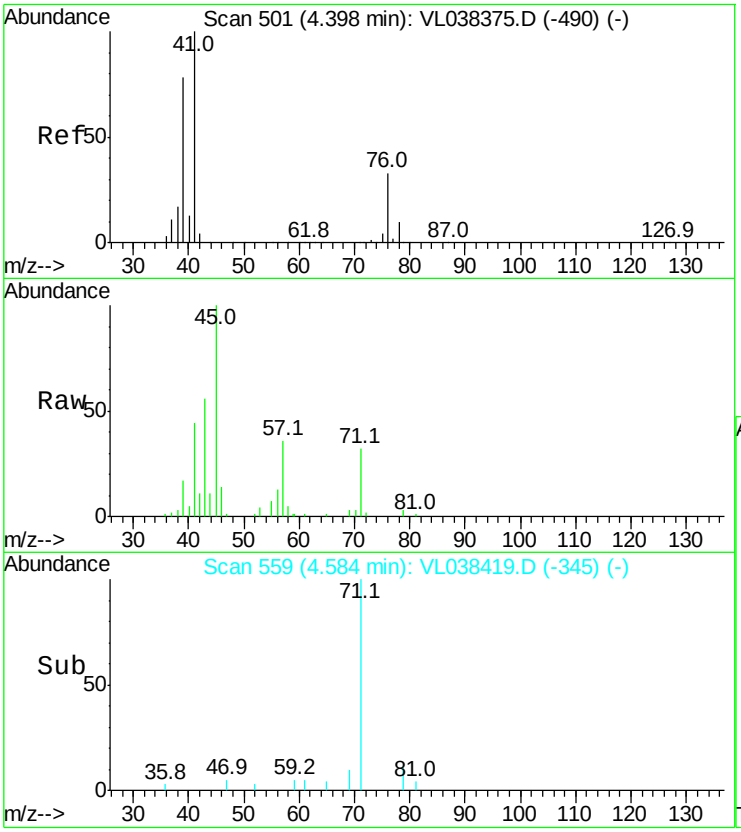


#20
Methylene Chloride
Concen: 0.99 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 84 Resp: 32991

Ion	Ratio	Lower	Upper
84	100		
49	160.7	122.4	183.6
51	45.7	33.3	49.9
86	61.9	50.7	76.1



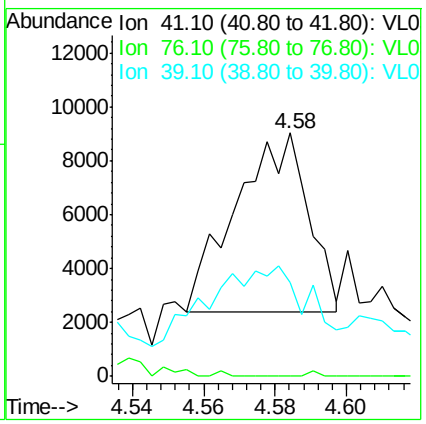


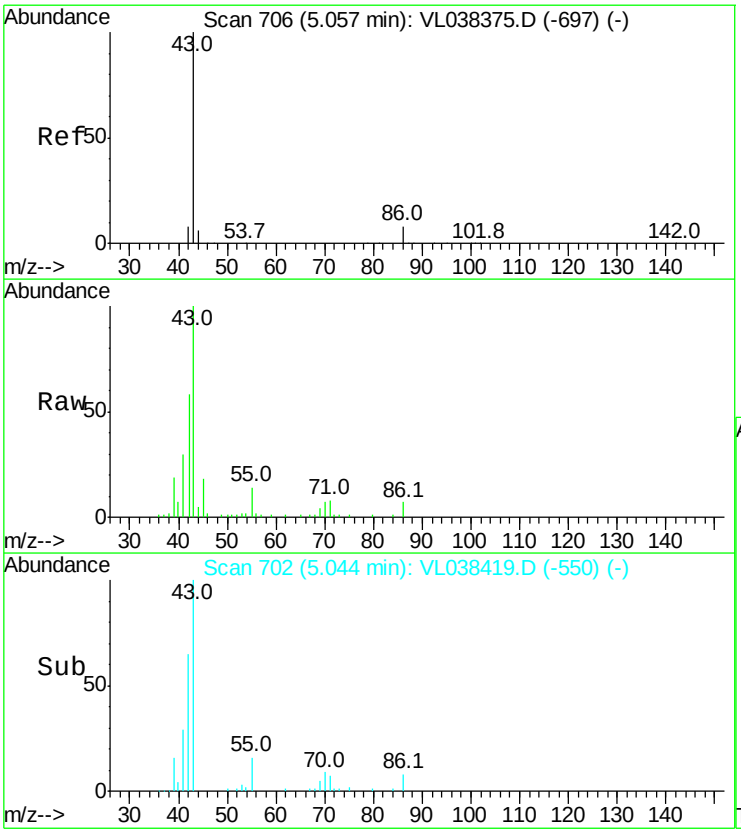
#21
Allyl Chloride
Concen: 0.16 ppbv
RT: 4.58
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 41 Resp: 9282

Ion	Ratio	Lower	Upper
41	100		
76	0.4	25.4	38.0#
39	0.0	63.0	94.6#

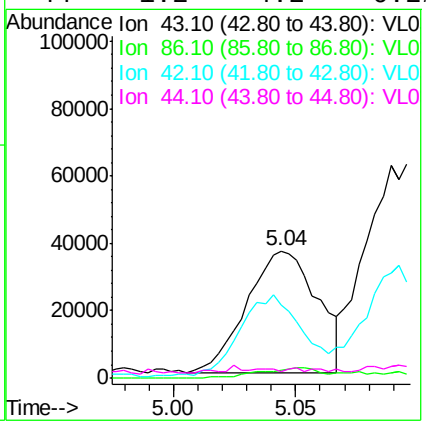


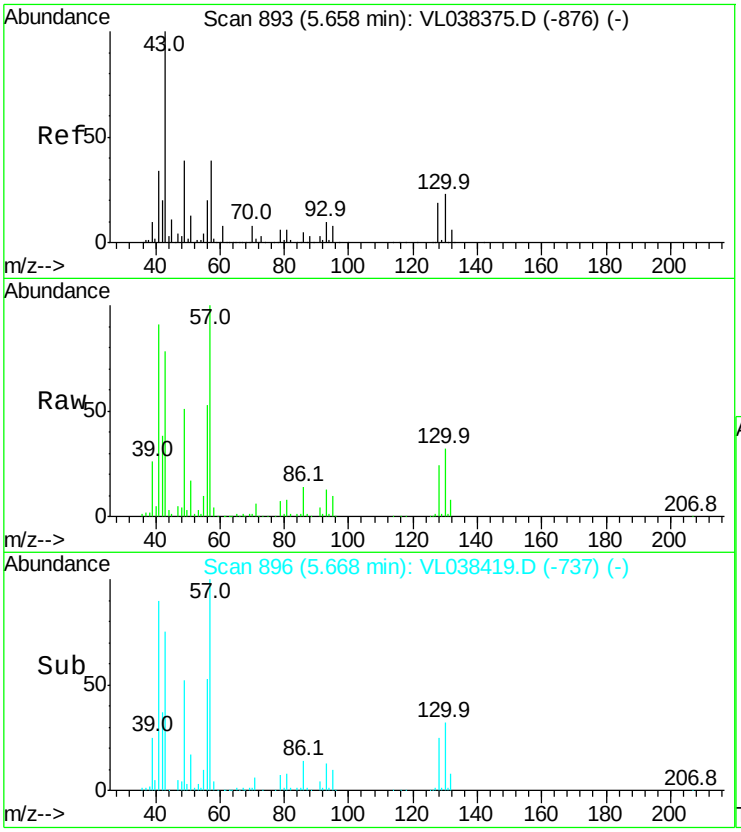


#23
Vinyl Acetate
Concen: 0.81 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 43 Resp: 72348

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	57.0	7.4	11.0#
44	1.2	4.2	6.2#



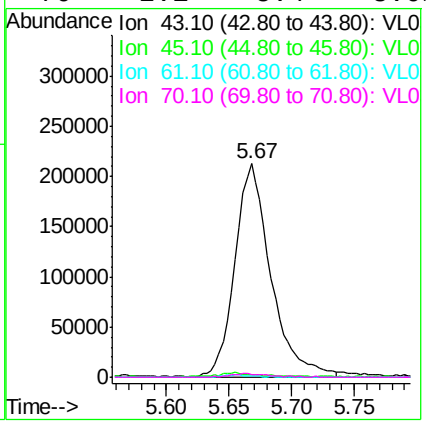


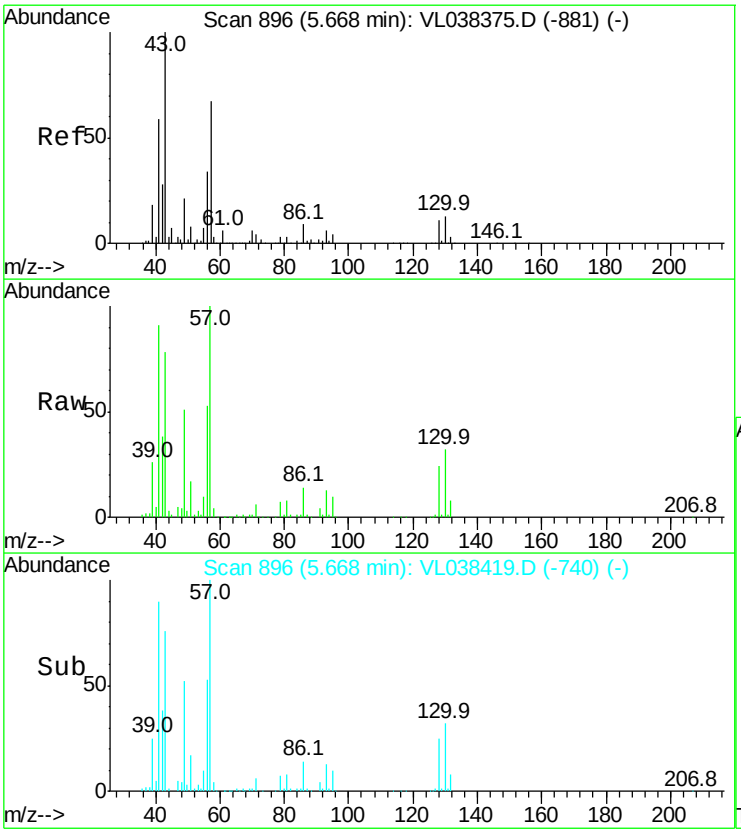
#25
Ethyl Acetate
Concen: 2.33 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 43 Resp: 421622

Ion	Ratio	Lower	Upper
43	100		
45	2.3	7.8	11.6#
61	1.1	7.5	11.3#
70	2.1	5.4	8.0#

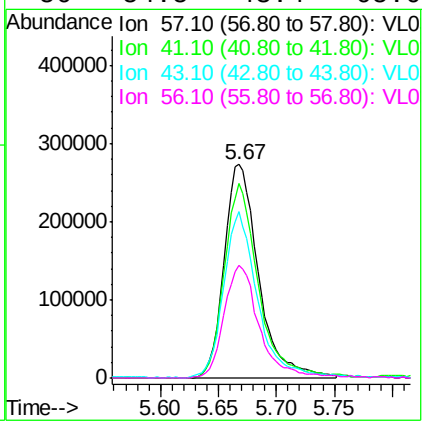


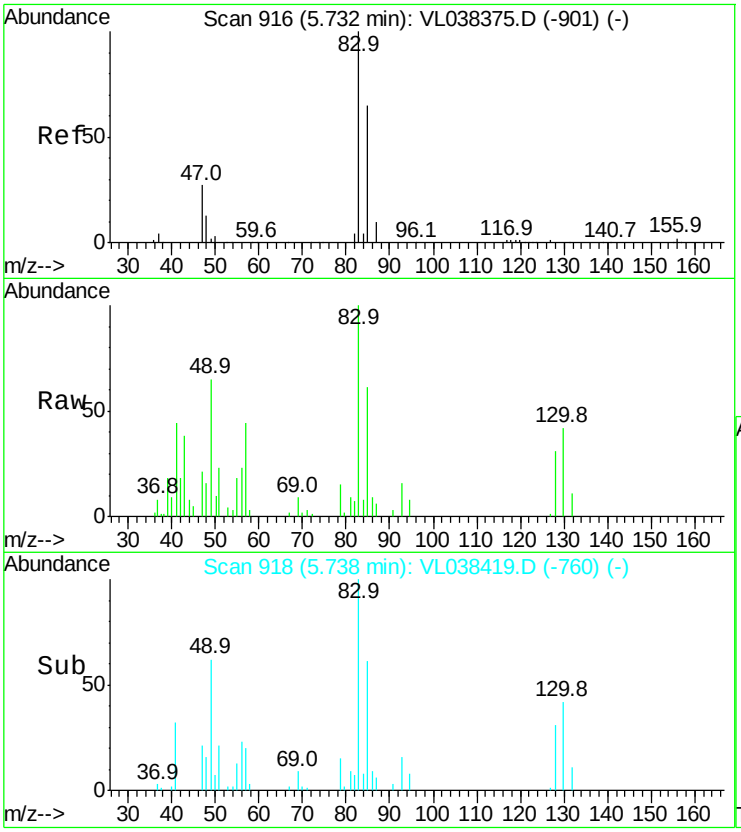


#26
Hexane
Concen: 6.83 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 57 Resp: 560025

Ion	Ratio	Lower	Upper
57	100		
41	91.2	73.1	109.7
43	78.4	181.0	271.4#
56	54.5	43.4	65.0



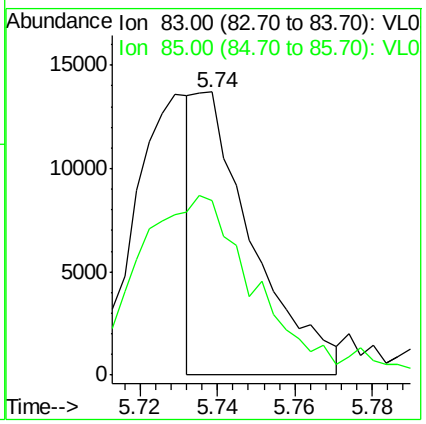


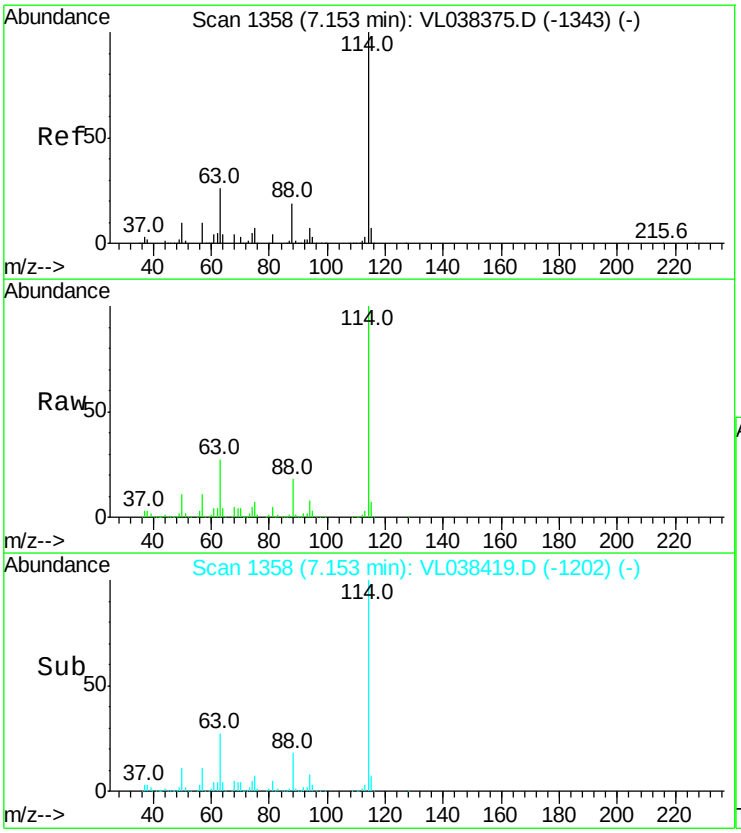
#29
Chloroform
Concen: 0.11 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 83 Resp: 14292

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4

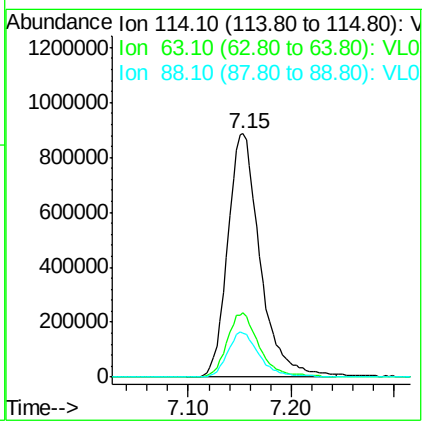


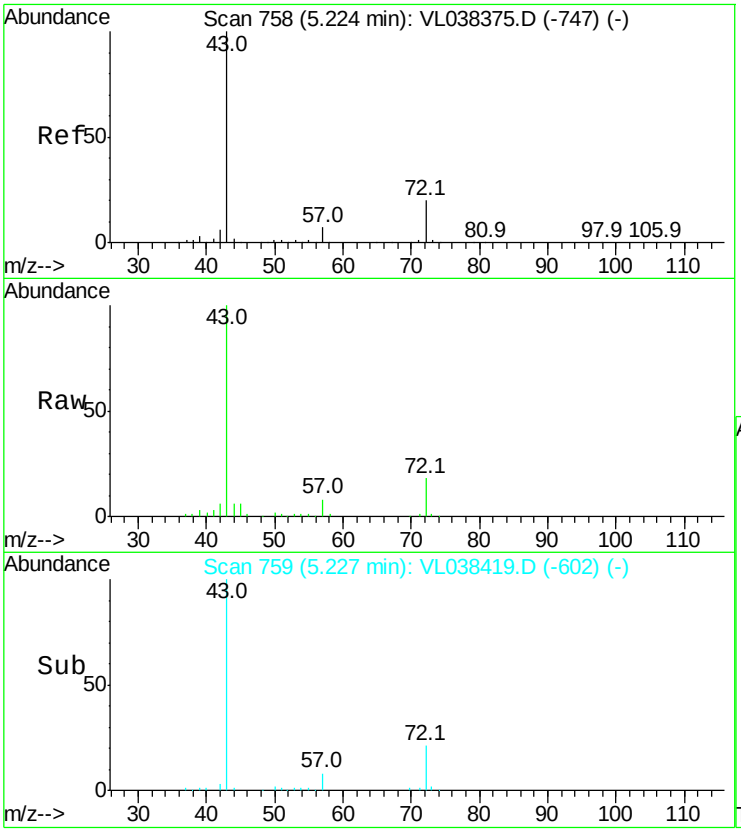


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion:114 Resp: 1945227

Ion	Ratio	Lower	Upper
114	100		
63	26.6	22.2	33.2
88	18.5	15.2	22.8



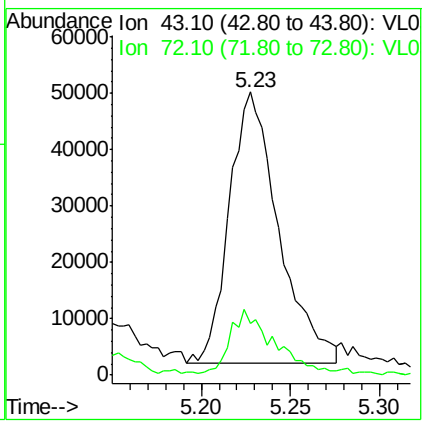


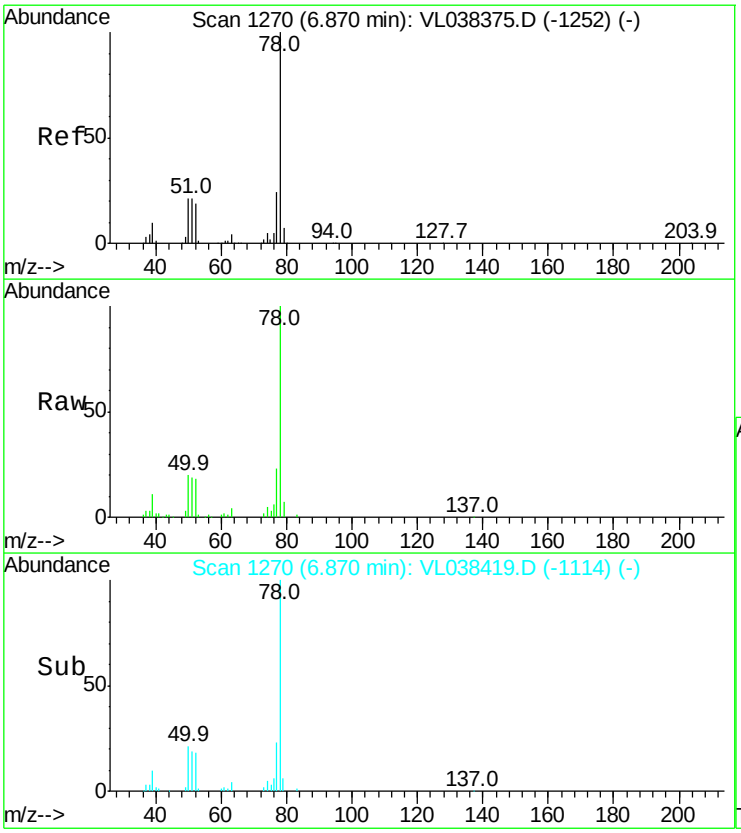
#34
2-Butanone
Concen: 1.52 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 43 Resp: 93270

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.4	26.2

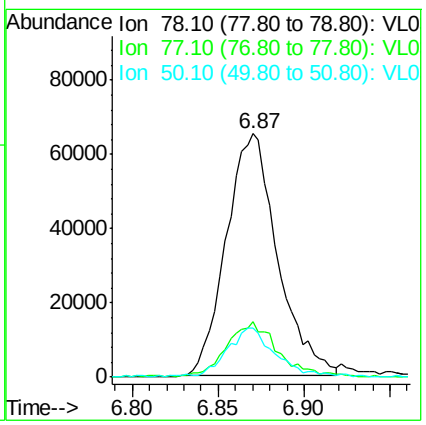


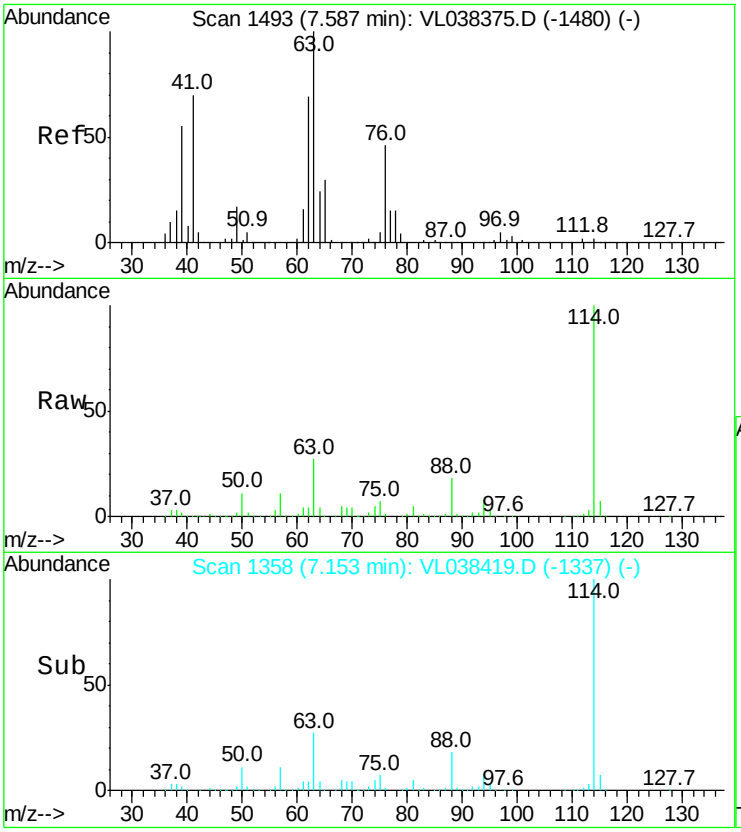


#36
Benzene
Concen: 0.79 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 78 Resp: 135258

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.6
50	19.9	16.6	24.8



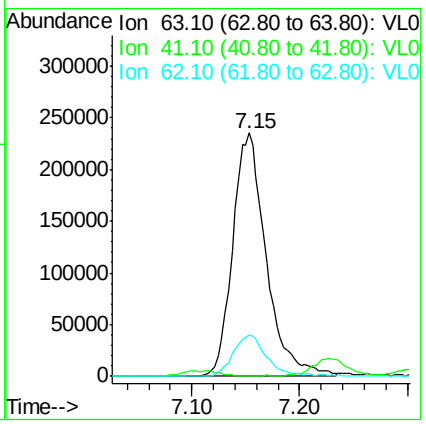


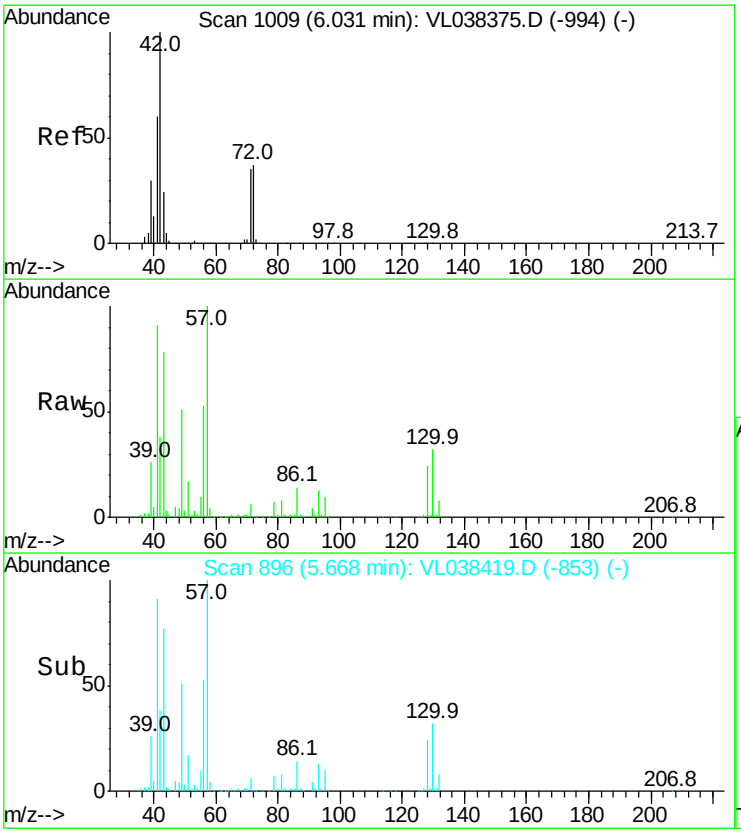
#39
1,2-Dichloropropane
Concen: 7.44 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 63 Resp: 507596

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.8	55.5	83.3#

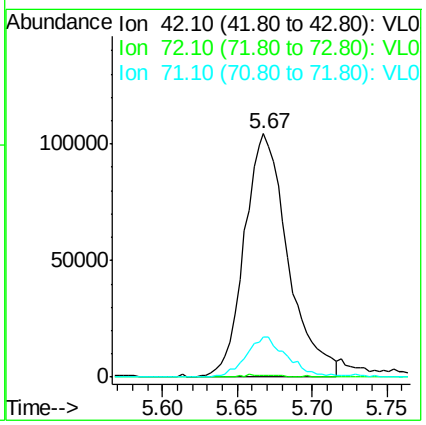


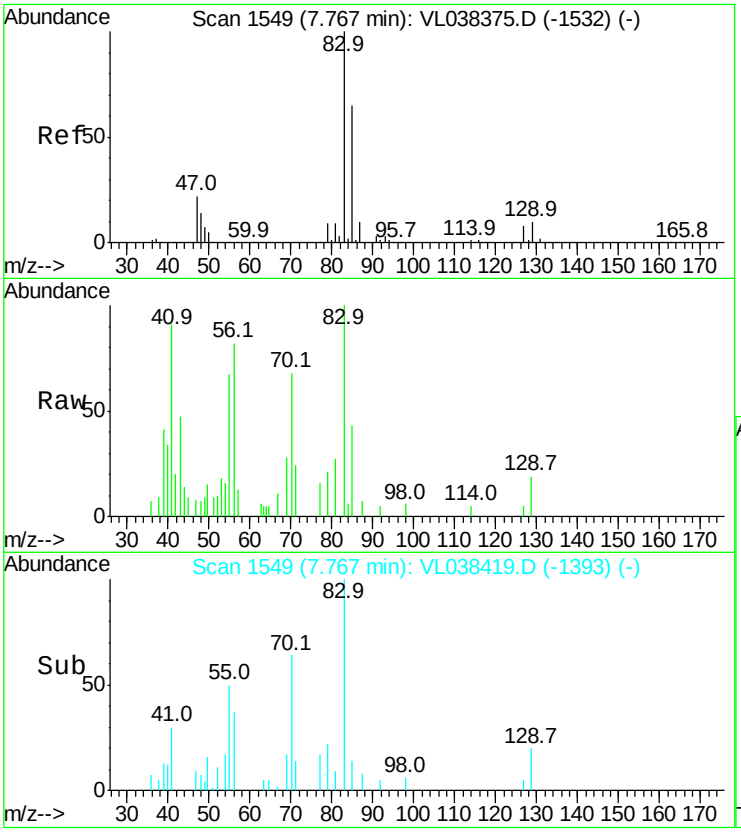


#41
Tetrahydrofuran
Concen: 5.14 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.36 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 42 Resp: 212315

Ion	Ratio	Lower	Upper
42	100		
72	0.8	29.9	44.9#
71	16.2	28.6	42.8#



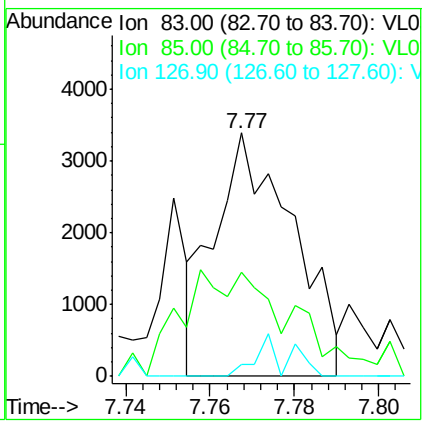


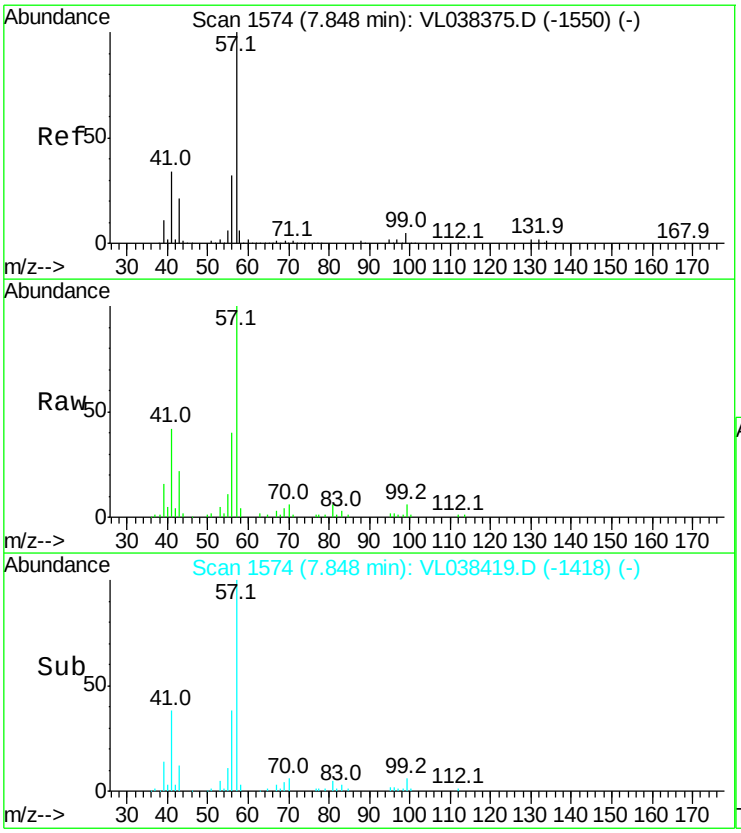
#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 7.77
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 83 Resp: 4383

Ion	Ratio	Lower	Upper
83	100		
85	37.2	52.2	78.4#
127	5.8	6.2	9.4#

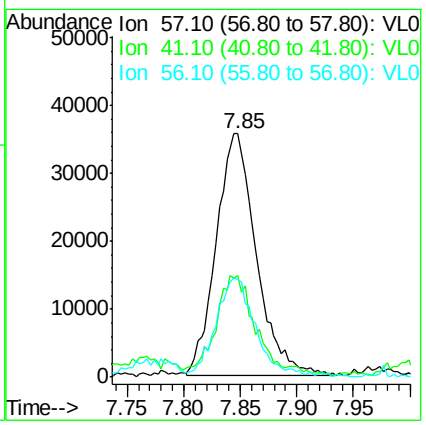


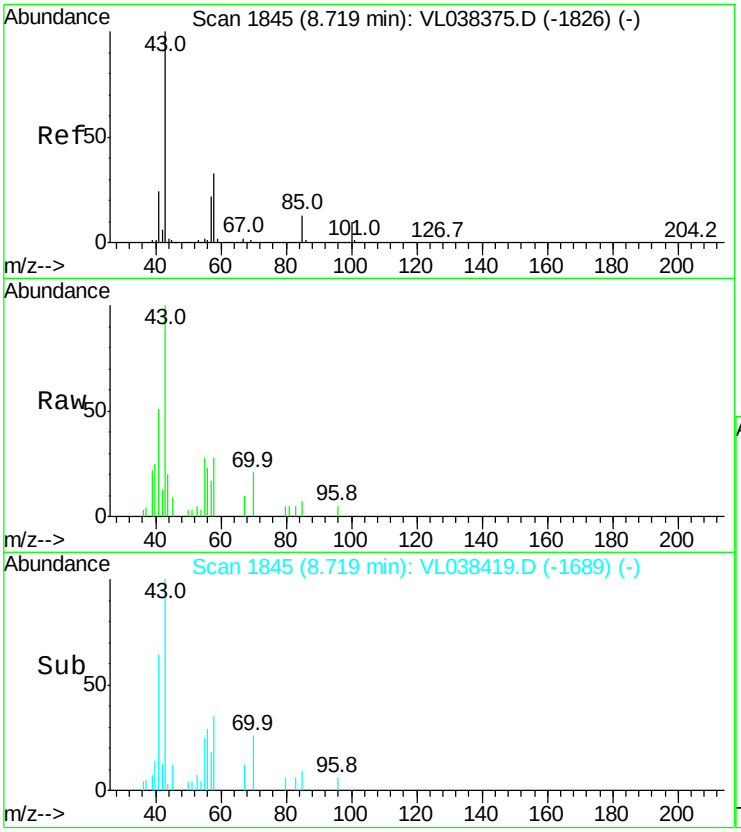


#44
2,2,4-Trimethylpentane
Concen: 0.30 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 57 Resp: 87772

Ion	Ratio	Lower	Upper
57	100		
41	41.4	26.6	39.8#
56	40.4	25.0	37.6#



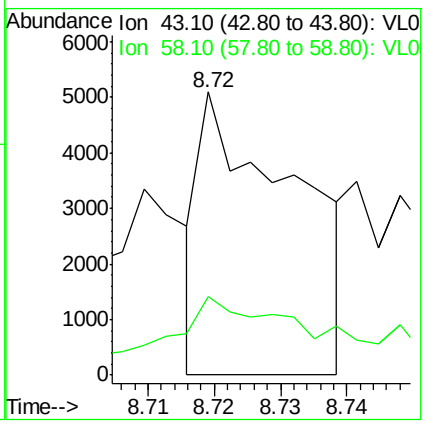


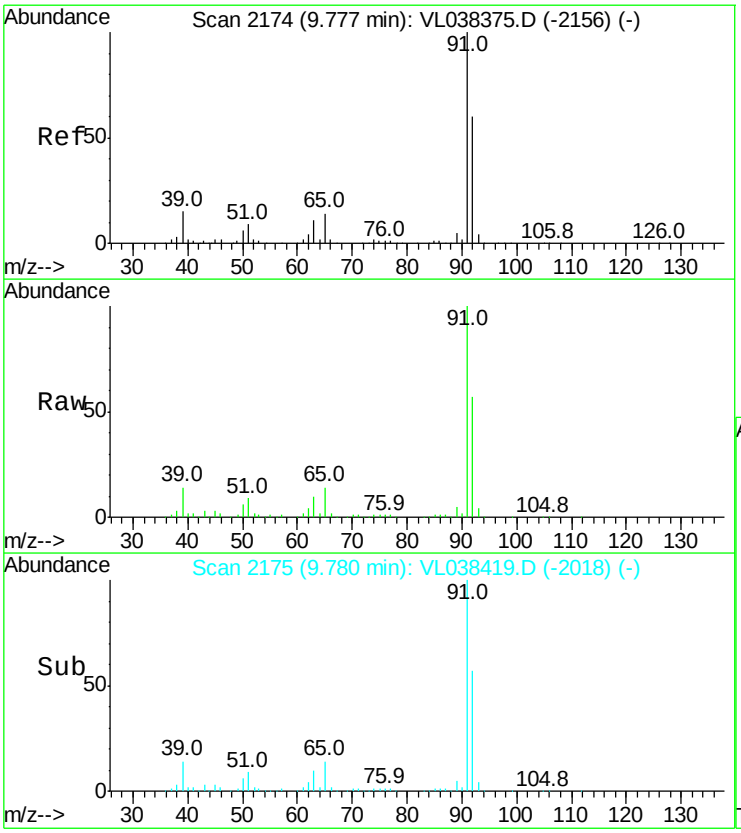
#50
4-Methyl-2-Pentanone
Concen: 0.05 ppbv
RT: 8.72
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 43 Resp: 5048

Ion	Ratio	Lower	Upper
43	100		
58	63.3	27.7	41.5#

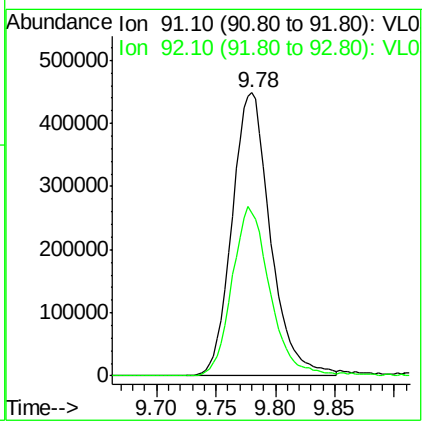


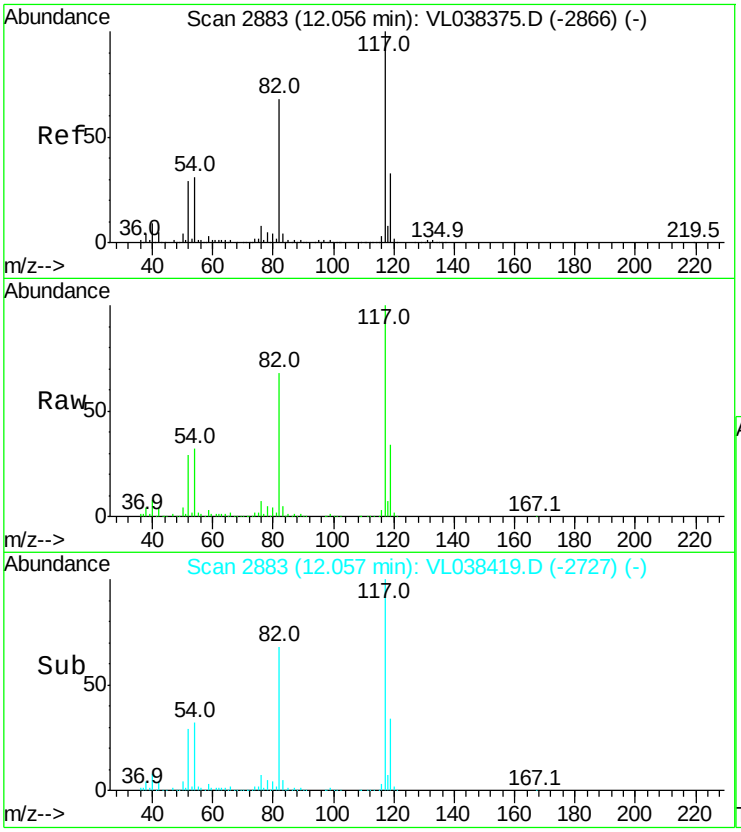


#53
Toluene
Concen: 5.40 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 91 Resp: 1003484

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.2	72.4



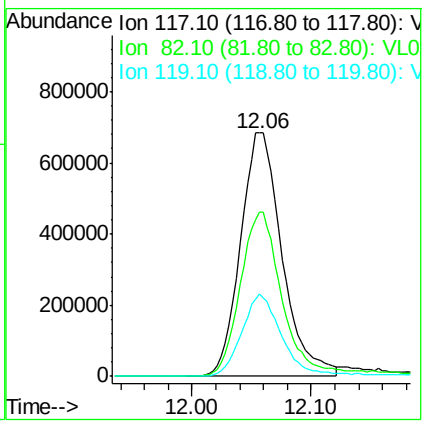


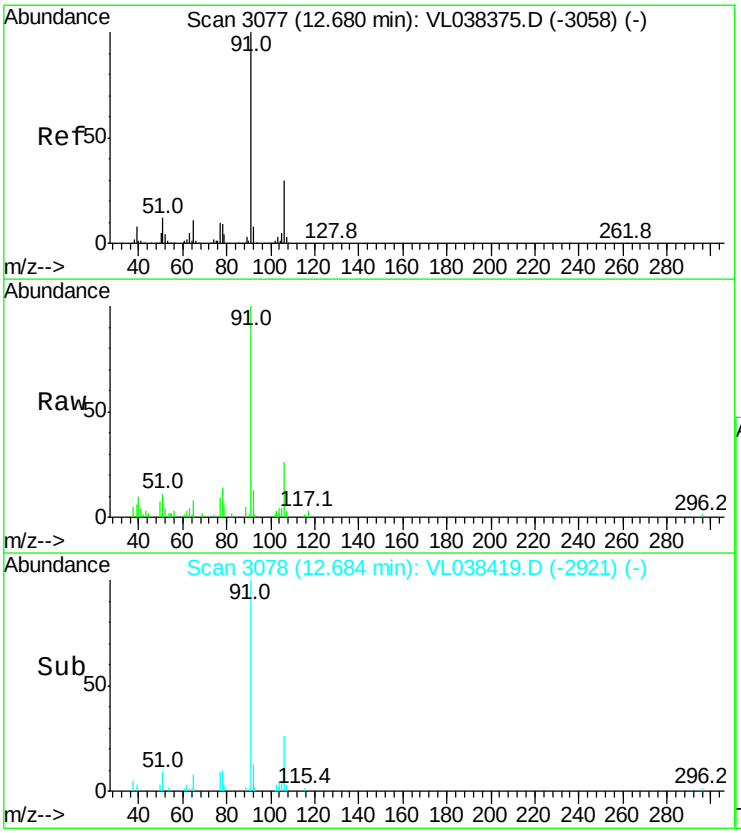
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion:117 Resp: 1652306

Ion	Ratio	Lower	Upper
117	100		
82	72.0	54.9	82.3
119	34.0	46.1	69.1#

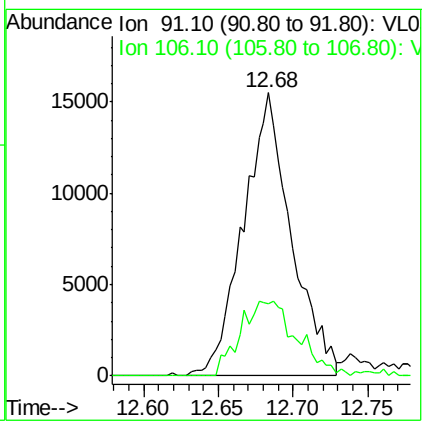


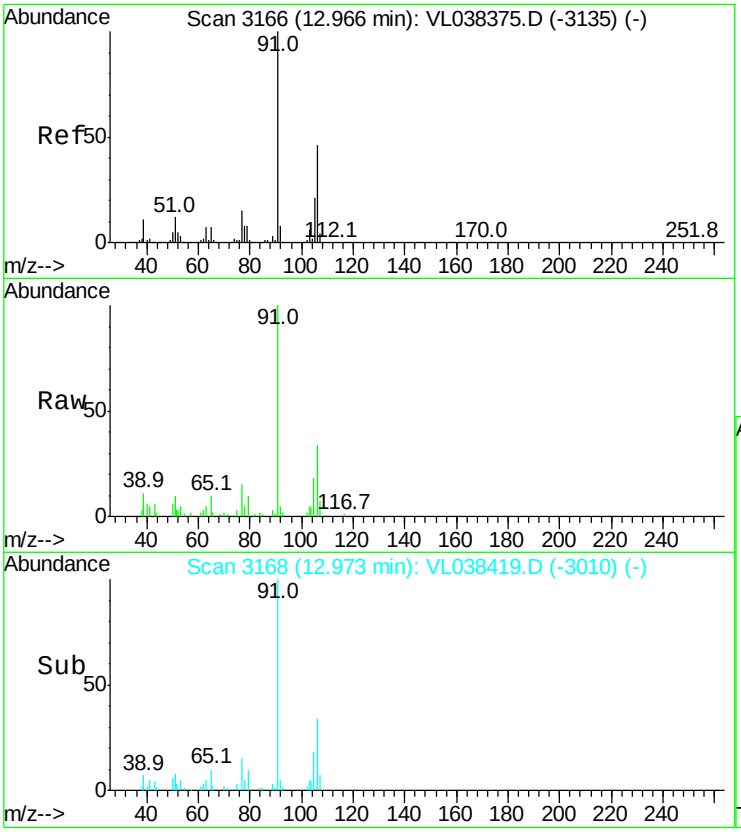


#58
Ethyl Benzene
Concen: 0.15 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 91 Resp: 34498

Ion	Ratio	Lower	Upper
91	100		
106	25.5	24.0	36.0



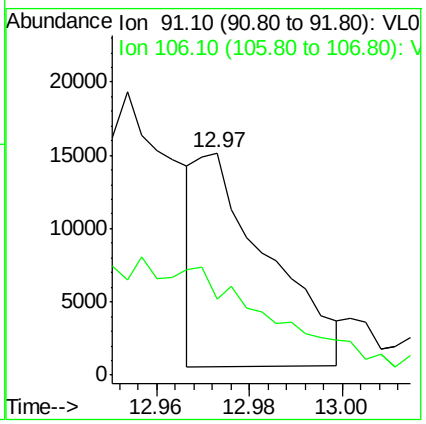


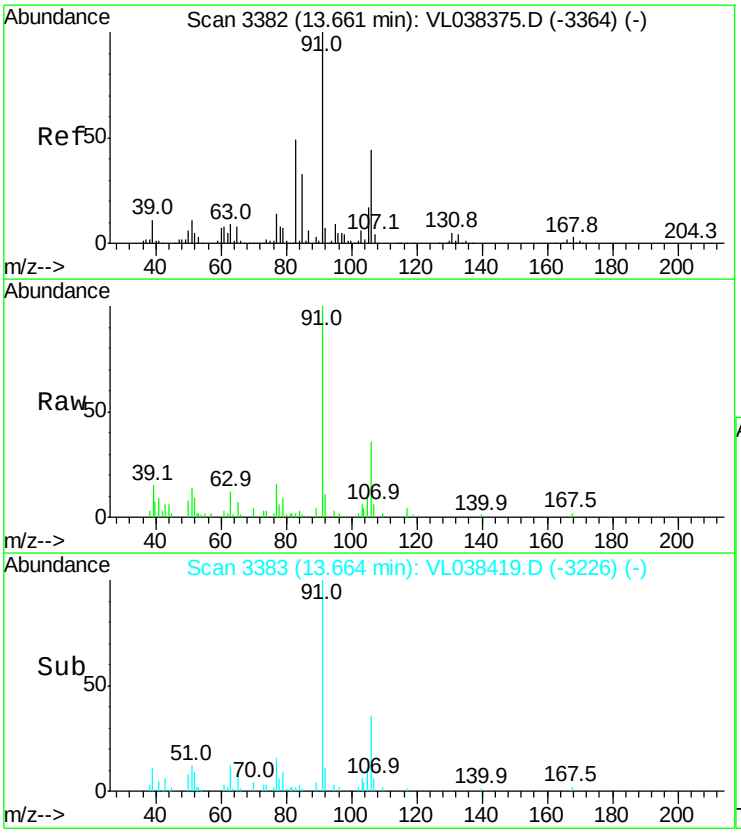
#59
m/p-Xylene
Concen: 0.08 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 91 Resp: 15604

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

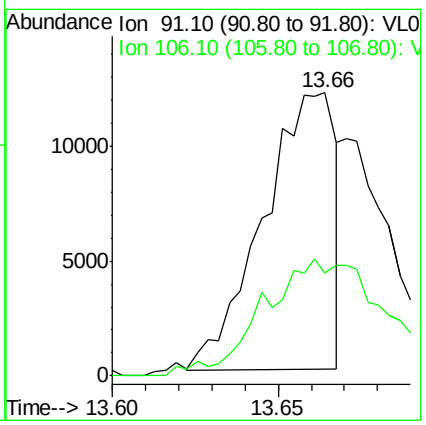


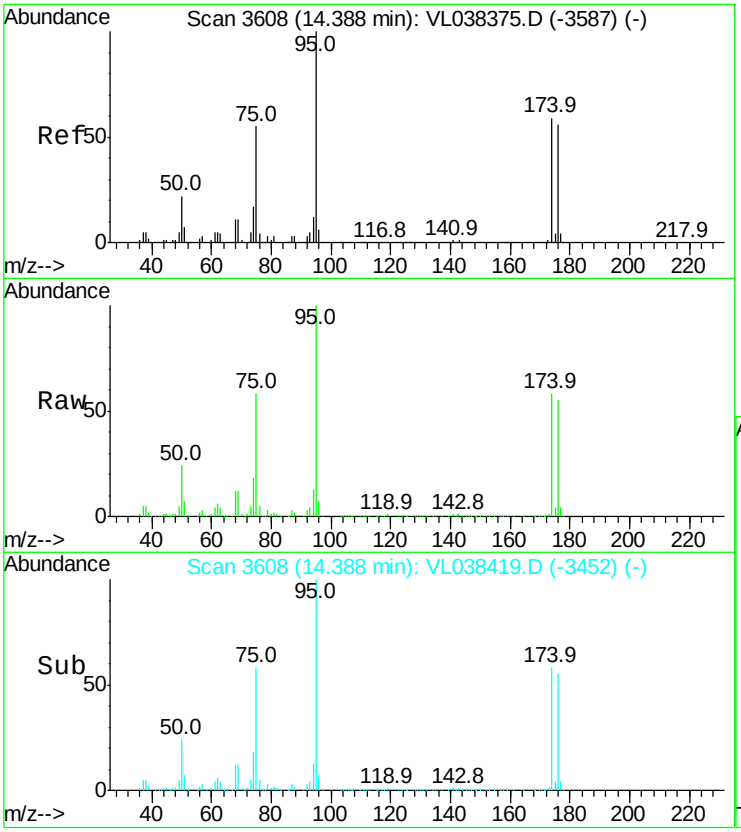


#60
o-Xylene
Concen: 0.10 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion: 91 Resp: 18340

Ion	Ratio	Lower	Upper
91	100		
106	70.6	21.9	65.5#



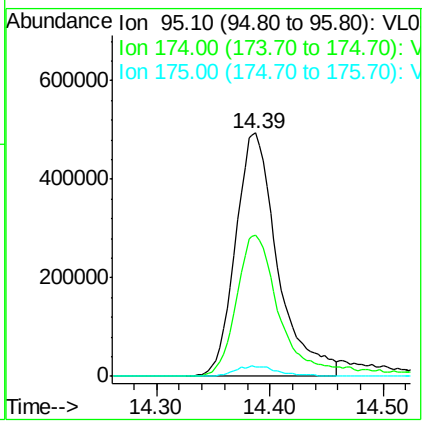


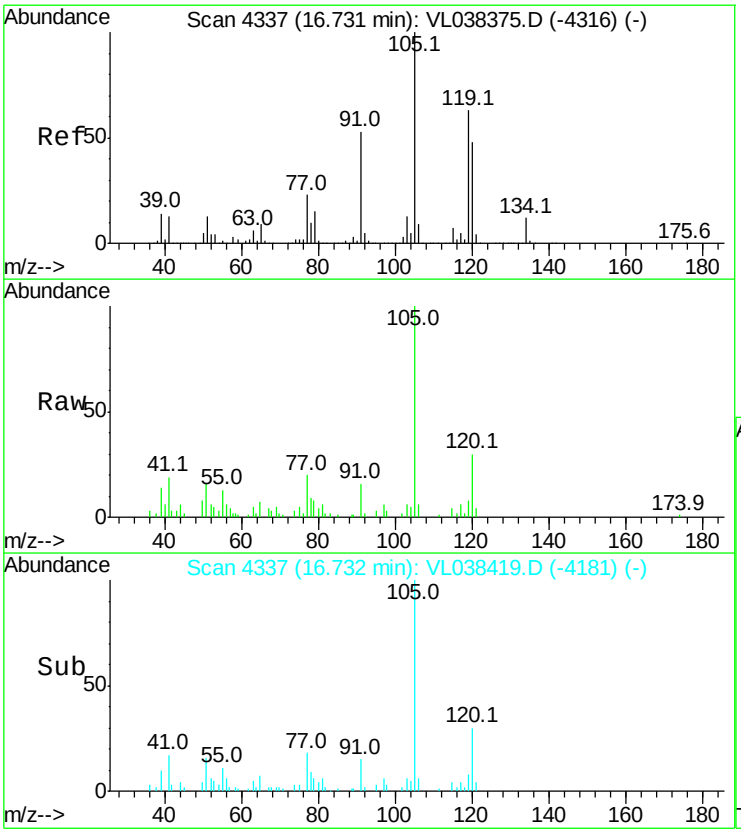
#68
1-Bromo-4-Fluorobenzene
Concen: 9.39 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 23 Feb 2022 22:29

Instrument :
MSVOA_L
ClientSampleId :
IA-3

Tgt Ion: 95 Resp: 1283333

Ion	Ratio	Lower	Upper
95	100		
174	62.8	49.0	73.4
175	4.3	3.6	5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.11 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. 0.00 min
Lab File: VL038419.D
Acq: 23 Feb 2022 22:29

Tgt Ion:105 Resp: 20898

Ion	Ratio	Lower	Upper
105	100		
120	29.6	38.2	57.4#
91	13.6	42.7	64.1#
77	20.8	18.5	27.7