Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030322\
Data File : VL038518.D
Acq On : 3 Mar 2022 17:54
Operator : SY/AP
Sample : N1791-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 04 04:34:05 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	818465	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	1813785	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	1561125	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1276655	9.88	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	32750	0.253	ppbv		94
3) Chlorodifluoromethane	2.89	51	8456	0.059	ppbv		97
4) Chloromethane	3.13	50	34780	0.693	ppbv		94
9) Propene	3.01	41	64290	1.347	ppbv		85
10) Heptane	8.11	43	4875	0.042	ppbv	#	28
11) Trichlorofluoromethane	3.94	101	26207	0.211	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5405	0.059	ppbv		87
13) Ethanol	3.59	45	3569958	749.632	ppbv		89
15) Acetone	3.84	43	651240	9.357	ppbv		95
16) 1,3-Butadiene	3.30	39	8787	0.189	ppbv		82
17) tert-Butyl alcohol	4.29	59	14039	0.202	ppbv	#	72
19) Isopropyl Alcohol	3.96	45	352815	8.754	ppbv	#	93
20) Methylene Chloride	4.33	84	90174	2.615	ppbv		98
21) Allyl Chloride	4.29	41	8127	0.138	ppbv	#	85
23) Vinyl Acetate	5.05	43	34111	0.370	ppbv	#	60
25) Ethyl Acetate	5.67	43	113386	0.606	ppbv	#	84
26) Hexane	5.67	57	130528	1.541	ppbv	#	46
29) Chloroform	5.73	83	97216	0.703	ppbv		98
34) 2-Butanone	5.24	43	48144	0.844	ppbv		97
36) Benzene	6.87	78	42785	0.268	ppbv	#	93
38) Trichloroethene	7.81	130	5360	0.092	ppbv		94
39) 1,2-Dichloropropane	7.15	63	502793	7.906	ppbv	#	25
53) Toluene	9.79	91	105503	0.609	ppbv		98
59) m/p-Xylene	12.98	91	7336	0.040	ppbv	#	33
60) o-Xylene	13.67	91	8774	0.051	ppbv		82
74) 1,2,4-Trimethylbenzene	16.73	105	5843	0.032	ppbv	#	58

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030322\
Data File : VL038518.D
Acq On : 3 Mar 2022 17:54
Operator : SY/AP
Sample : N1791-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 04 04:34:05 2022
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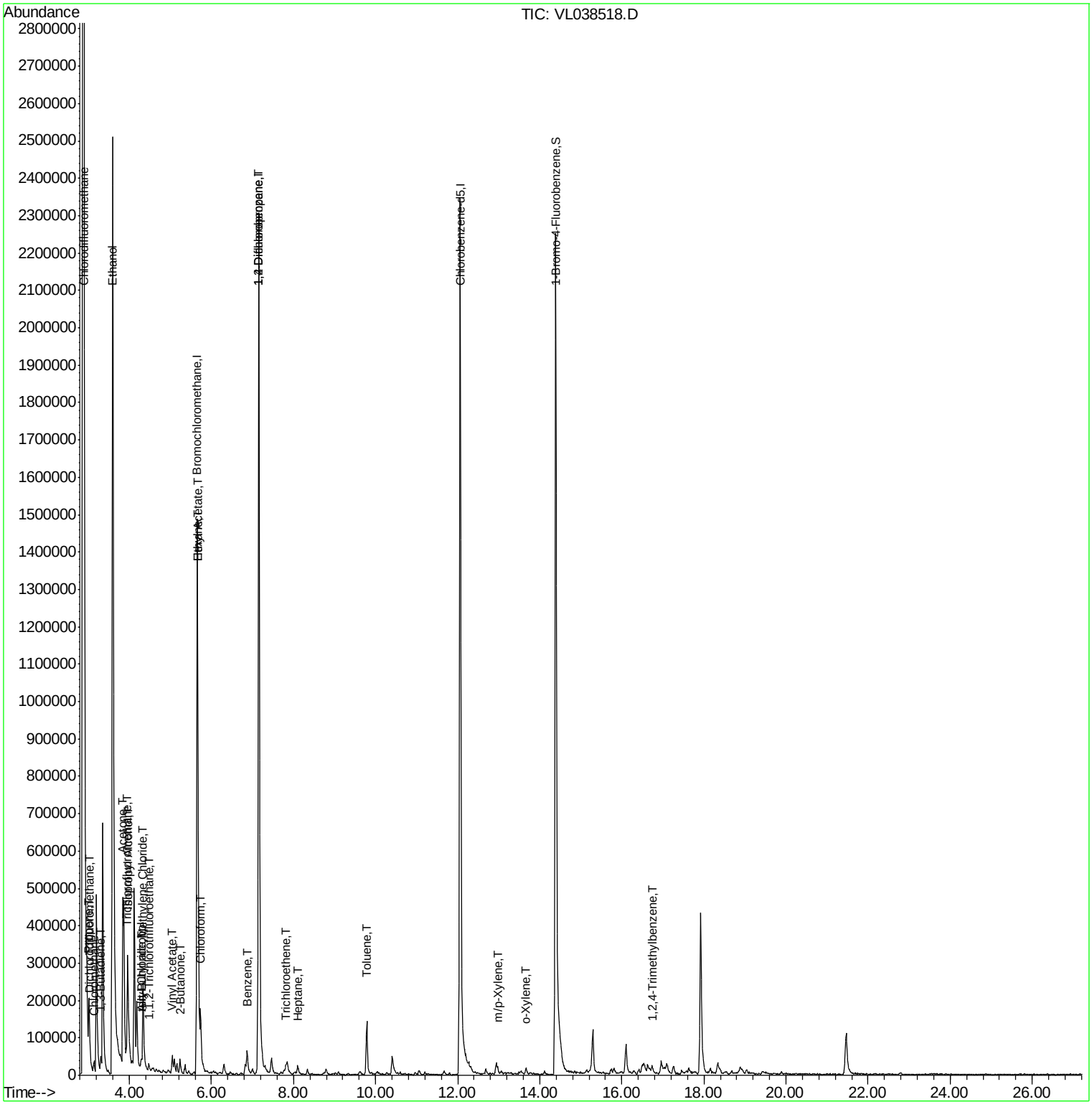
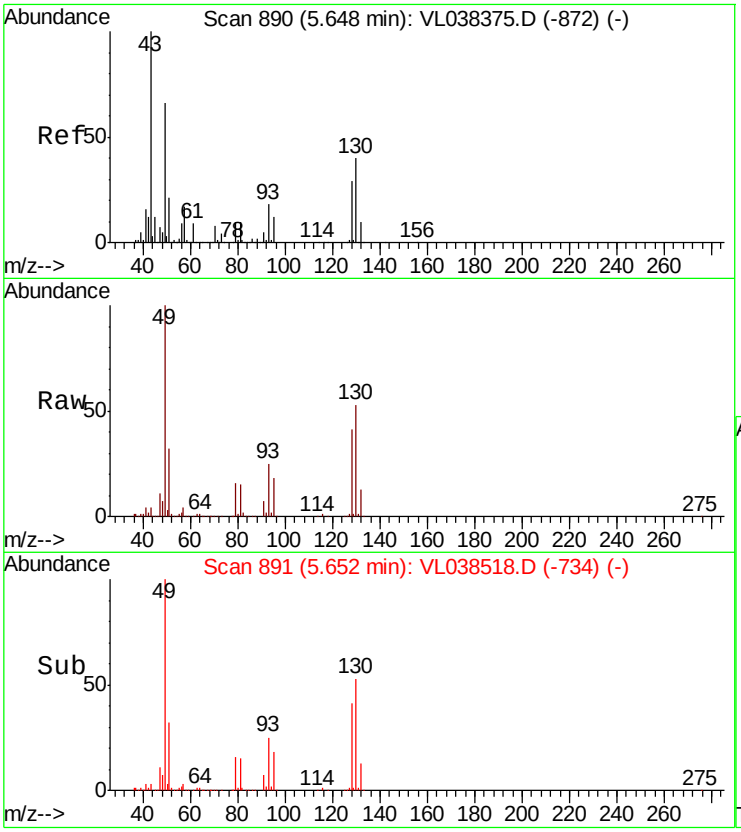


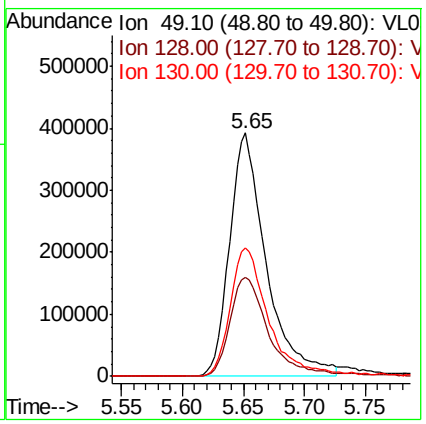


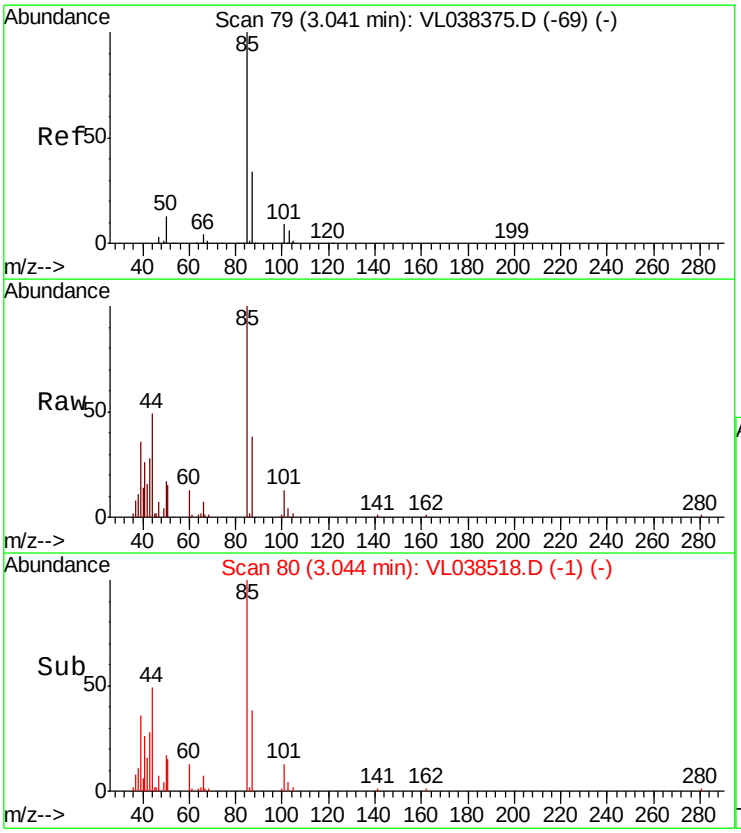
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 818465

Ion	Ratio	Lower	Upper
49	100		
128	44.1	24.3	72.9
130	57.0	30.1	90.5

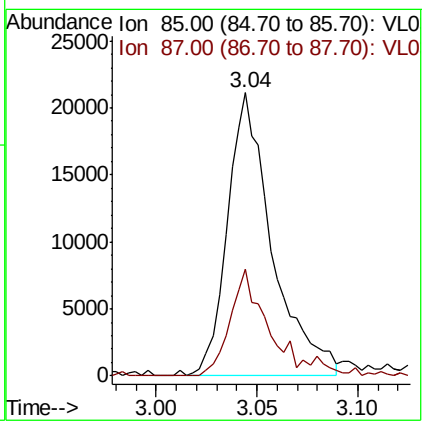


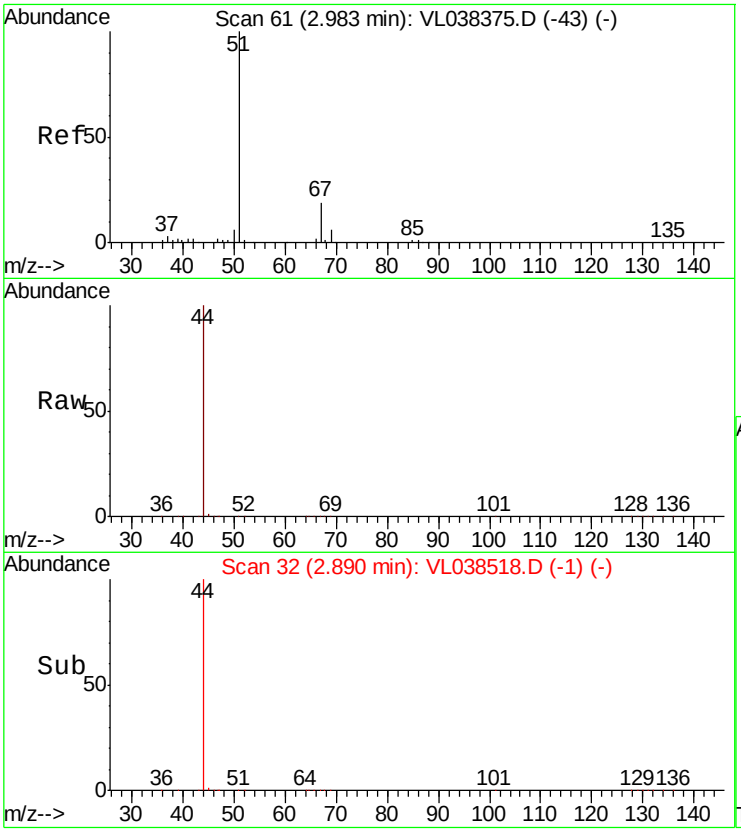


#2
Dichlorodifluoromethane
Concen: 0.253 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 85 Resp: 32750

Ion	Ratio	Lower	Upper
85	100		
87	37.5	27.4	41.0



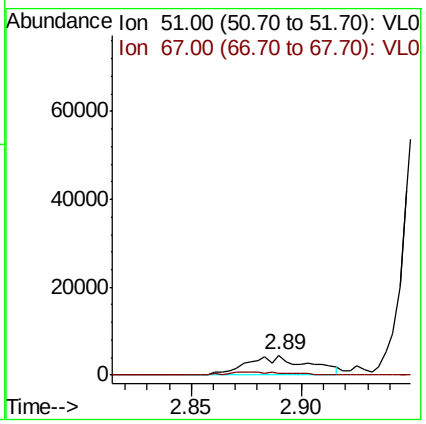


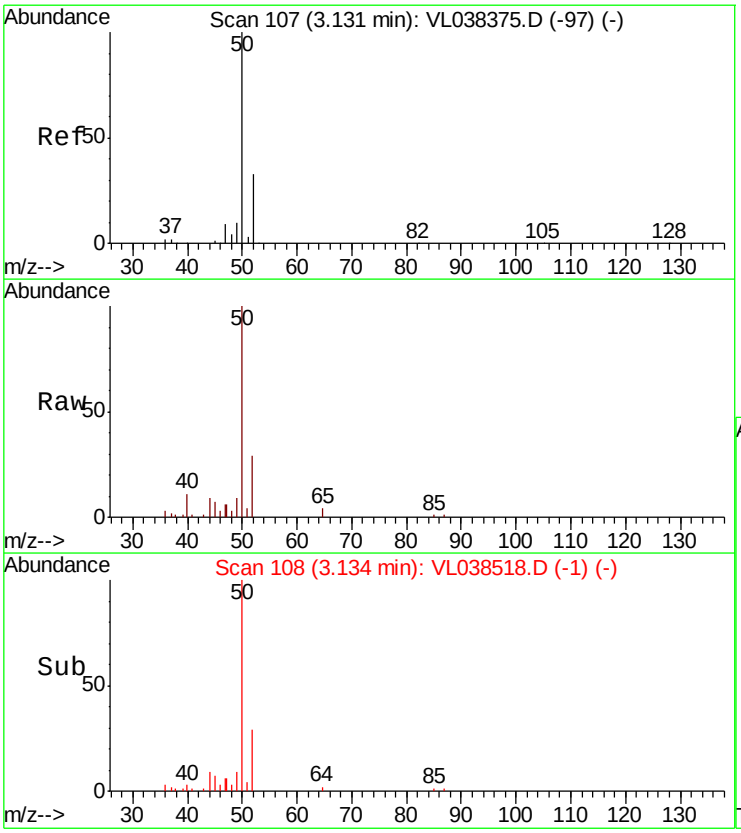
#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.89
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 8456

Ion	Ratio	Lower	Upper
51	100		
67	16.8	14.7	22.1

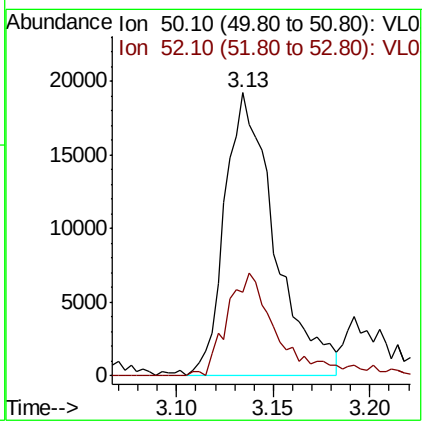


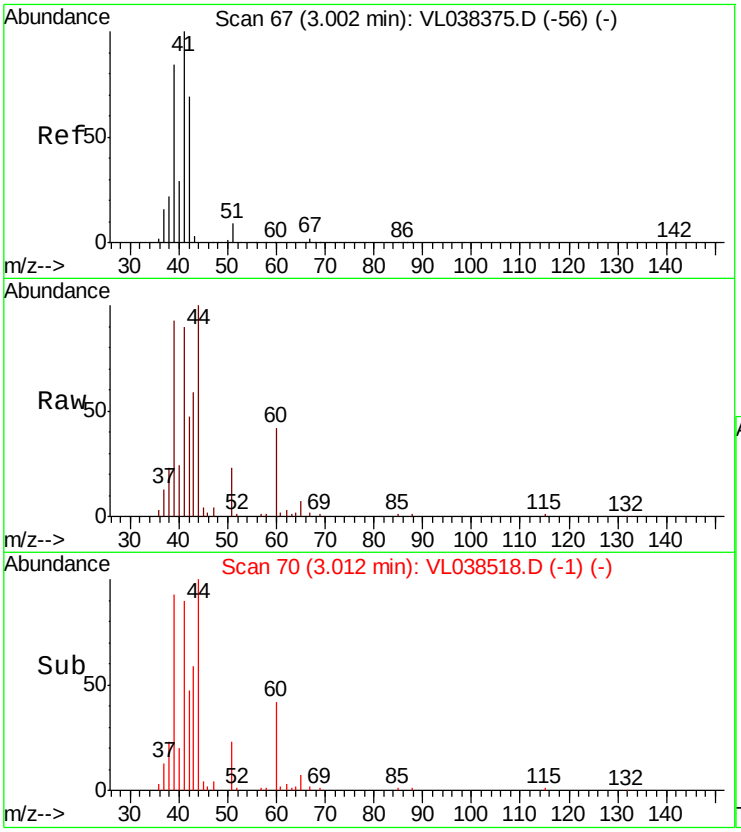


#4
Chloromethane
Concen: 0.693 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 50 Resp: 34780

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.5	39.7



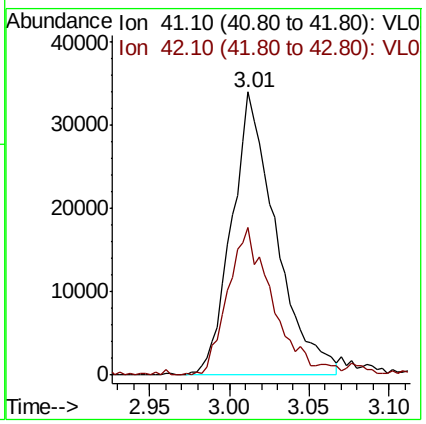


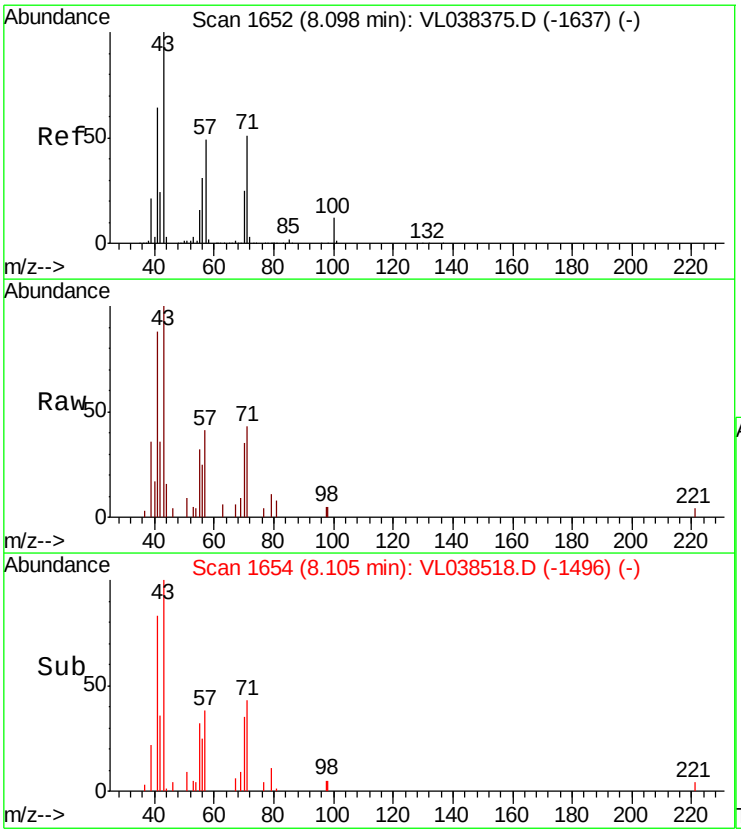
#9
Propene
Concen: 1.347 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 64290

Ion	Ratio	Lower	Upper
41	100		
42	55.8	54.6	82.0

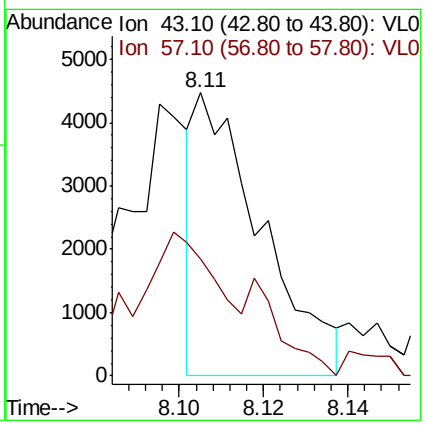


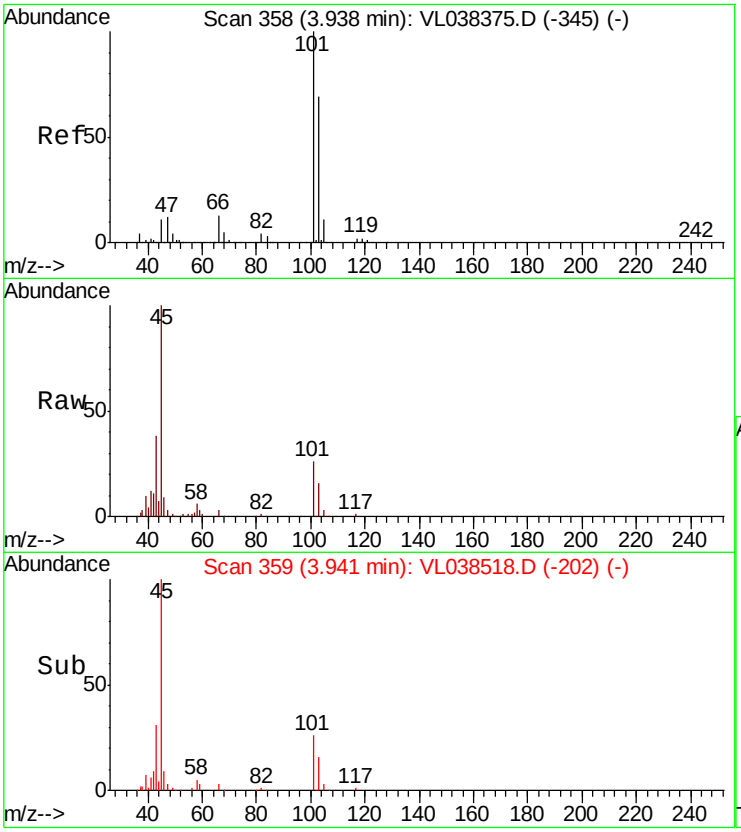


#10
Heptane
Concen: 0.042 ppbv
RT: 8.11 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 43 Resp: 4875

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.8#



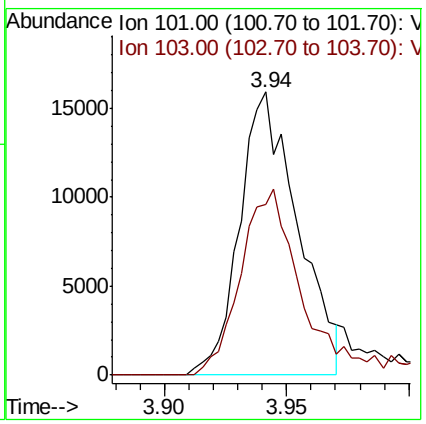


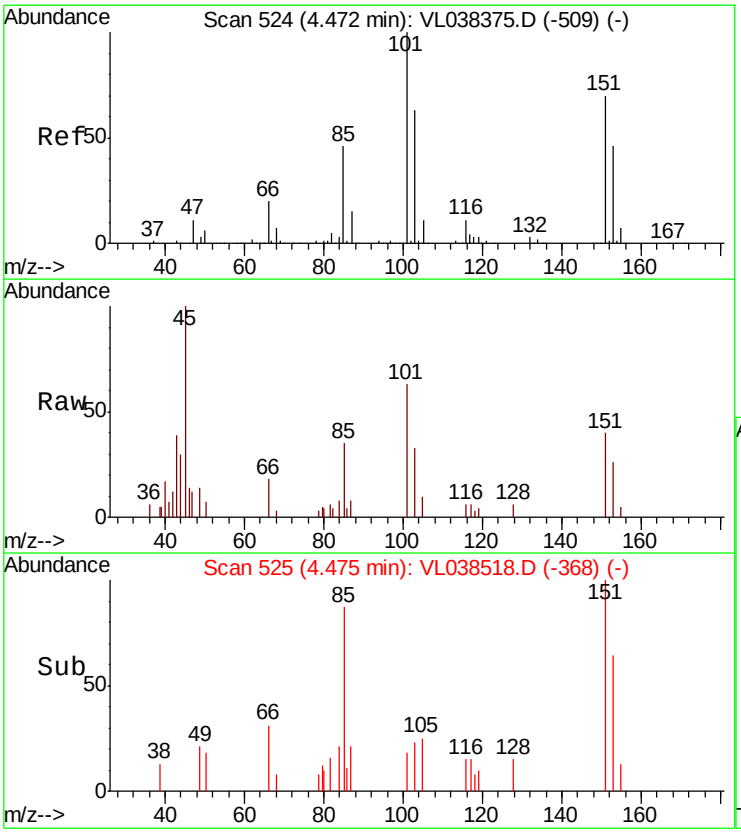
#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 26207

Ion	Ratio	Lower	Upper
101	100		
103	60.5	55.0	82.4

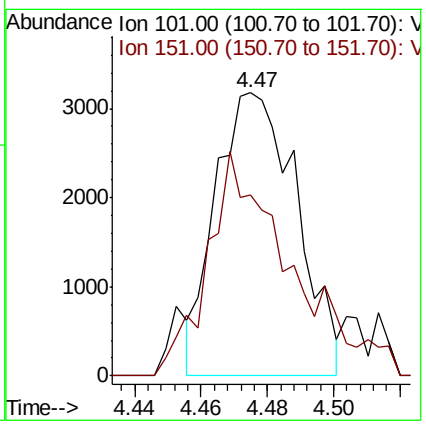


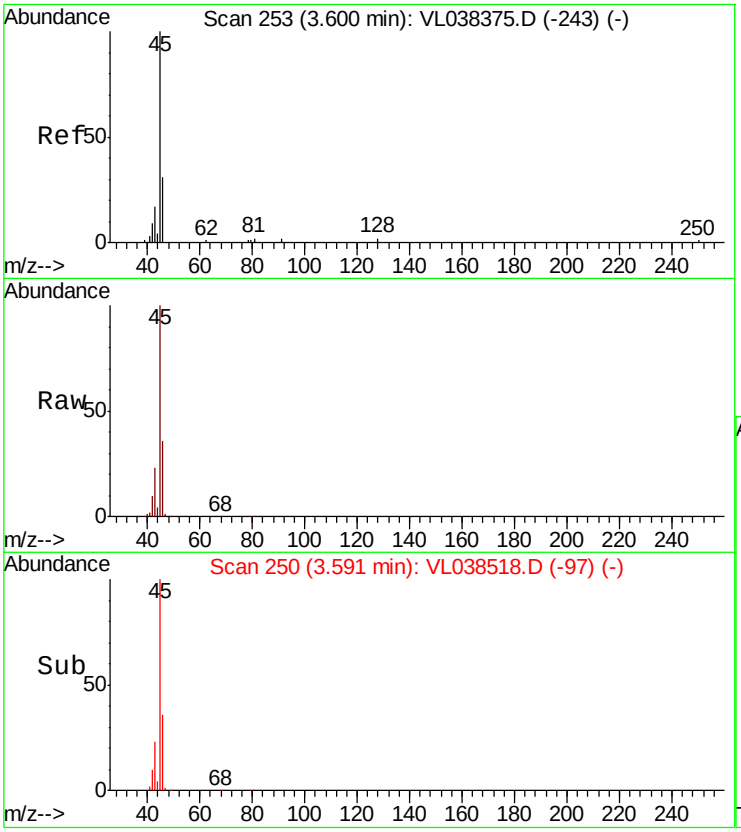


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.47 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion:101 Resp: 5405

Ion	Ratio	Lower	Upper
101	100		
151	80.9	55.9	83.9



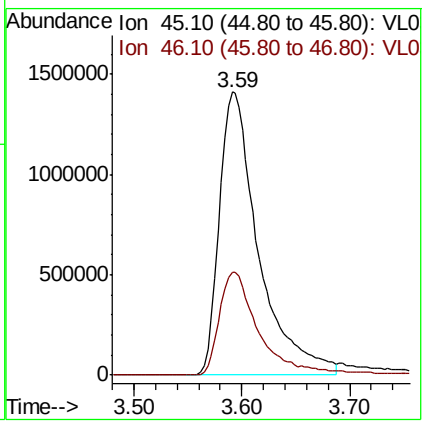


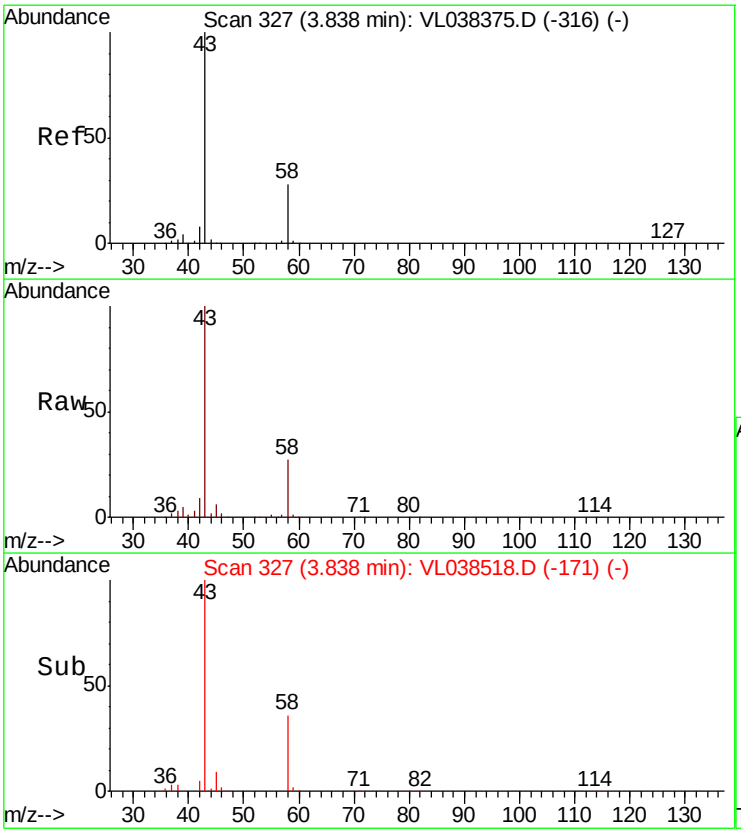
#13
Ethanol
Concen: 749.632 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 3569958

Ion	Ratio	Lower	Upper
45	100		
46	38.4	18.2	72.8

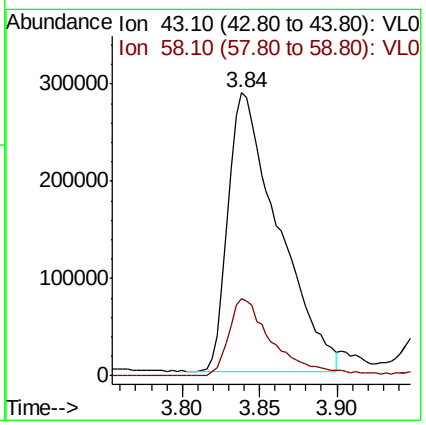


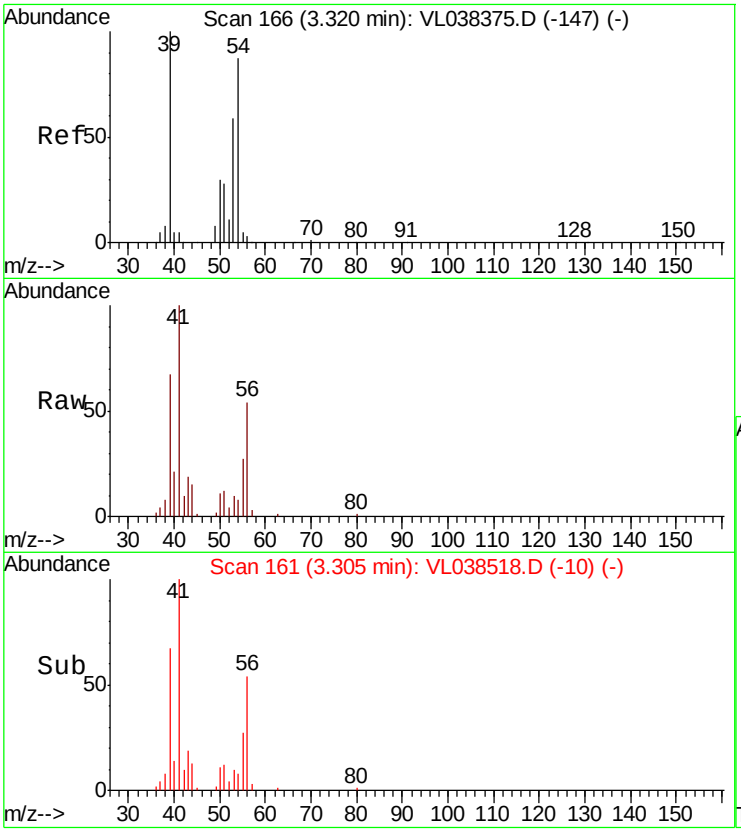


#15
Acetone
Concen: 9.357 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 43 Resp: 651240

Ion	Ratio	Lower	Upper
43	100		
58	24.6	21.7	32.5



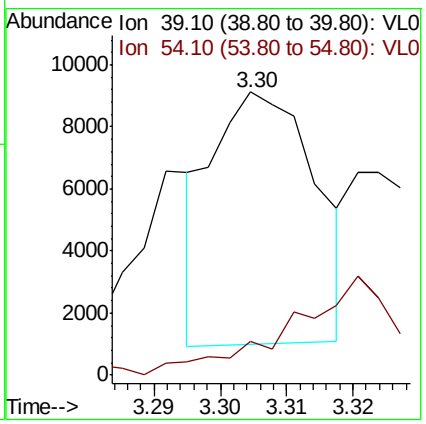


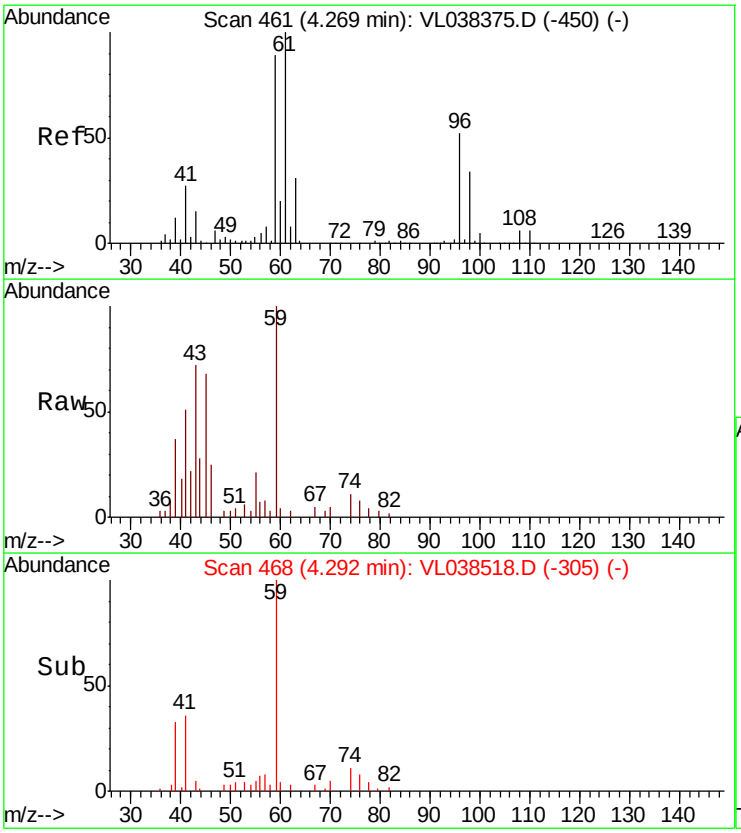
#16
1,3-Butadiene
Concen: 0.189 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 8787

Ion	Ratio	Lower	Upper
39	100		
54	90.4	60.3	90.5

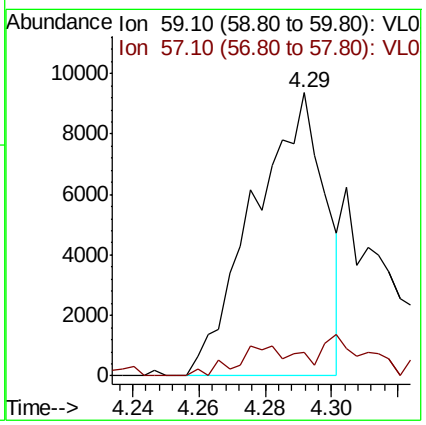


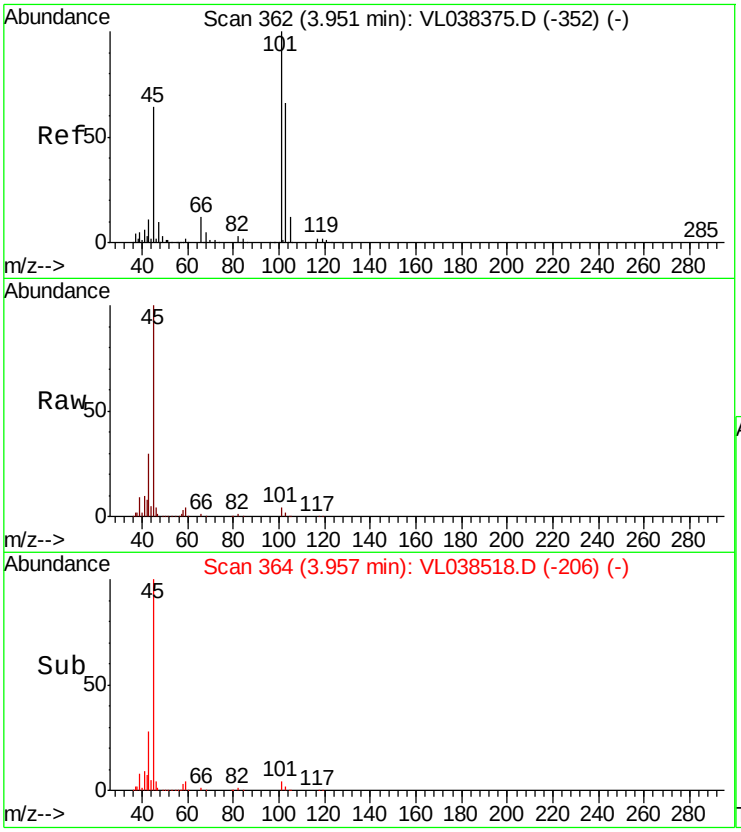


#17
tert-Butyl alcohol
Concen: 0.202 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 59 Resp: 14039

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#



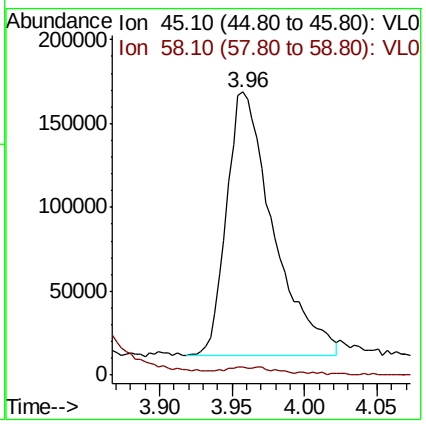


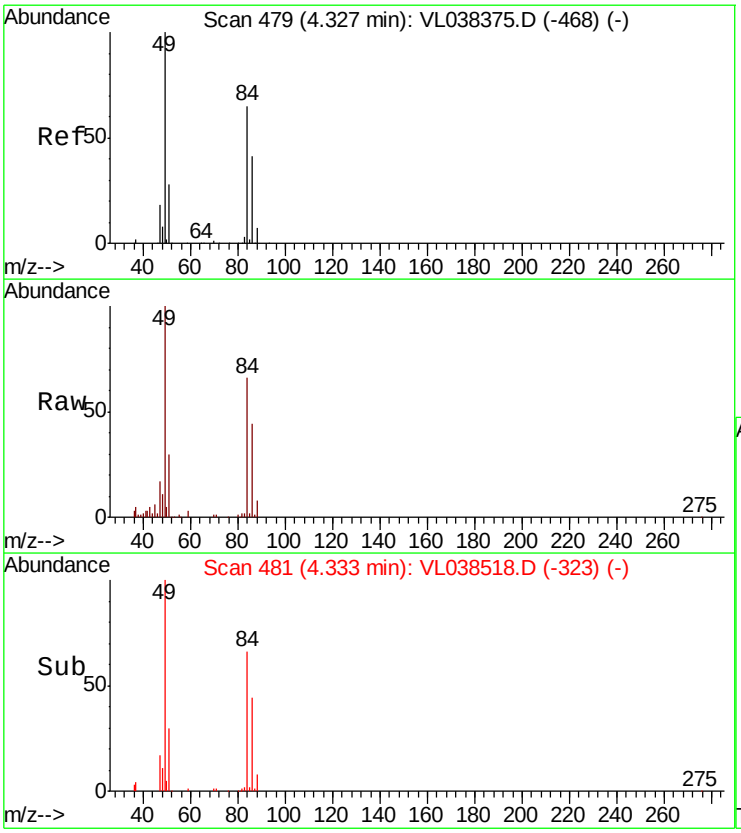
#19
Isopropyl Alcohol
Concen: 8.754 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 352815

Ion	Ratio	Lower	Upper
45	100		
58	4.6	1.8	2.8#

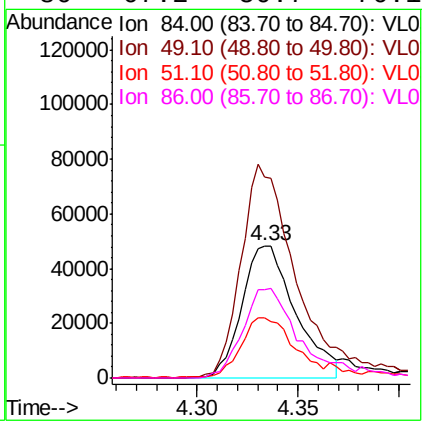


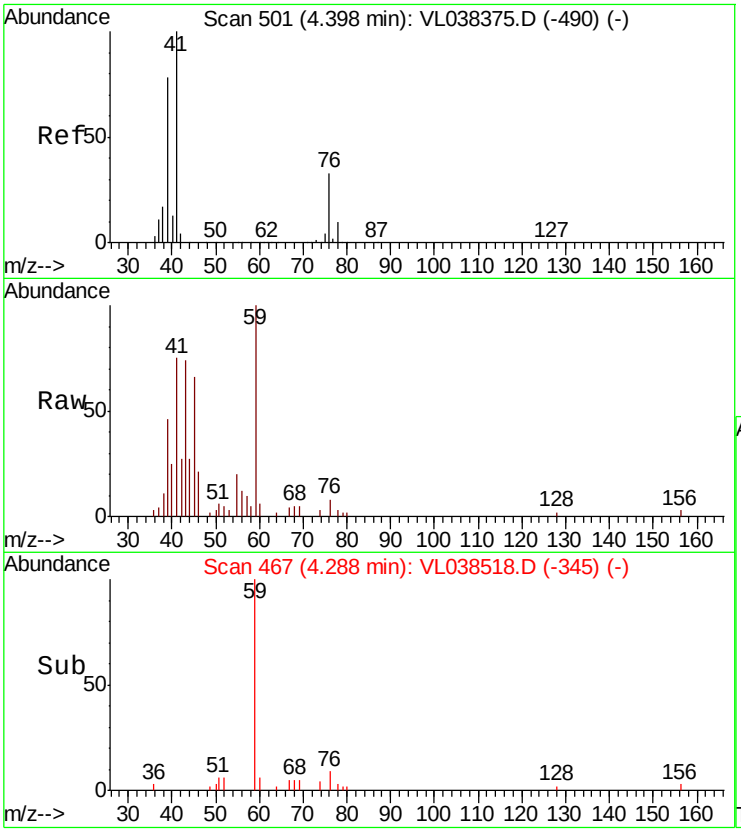


#20
Methylene Chloride
Concen: 2.615 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 84 Resp: 90174

Ion	Ratio	Lower	Upper
84	100		
49	151.9	122.4	183.6
51	44.4	33.3	49.9
86	67.2	50.7	76.1



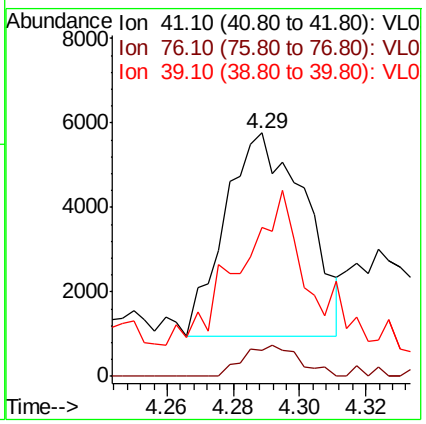


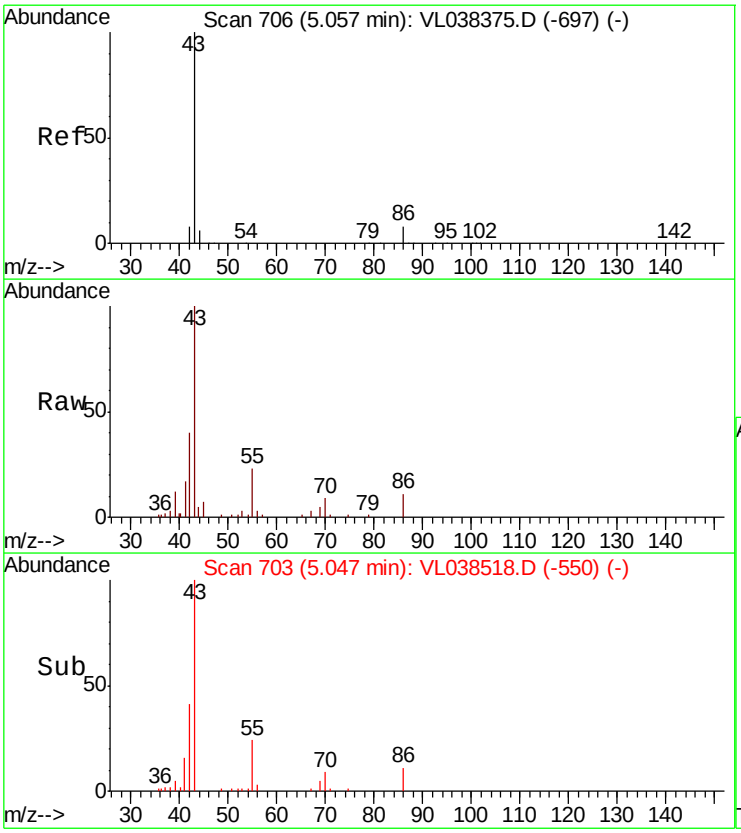
#21
Allyl Chloride
Concen: 0.138 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 8127

Ion	Ratio	Lower	Upper
41	100		
76	10.6	25.4	38.0#
39	73.7	63.0	94.6

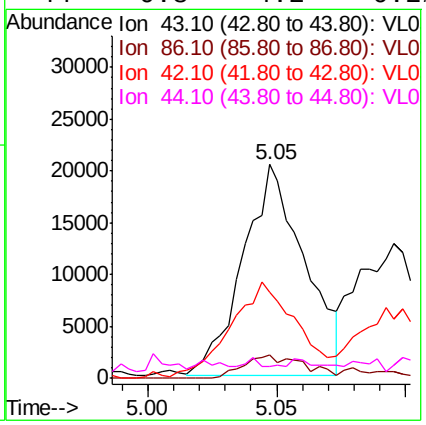


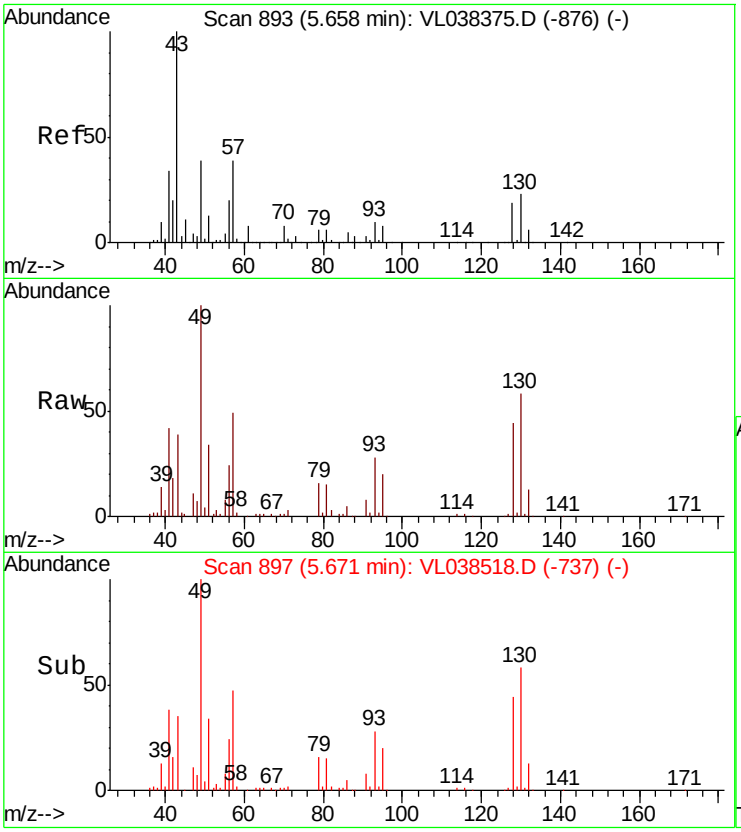


#23
Vinyl Acetate
Concen: 0.370 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 43 Resp: 34111

Ion	Ratio	Lower	Upper
43	100		
86	10.8	5.8	8.6#
42	37.4	7.4	11.0#
44	0.8	4.2	6.2#



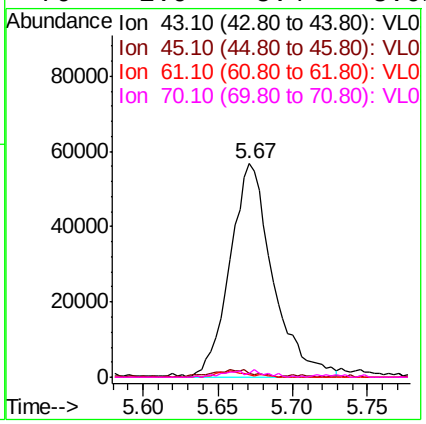


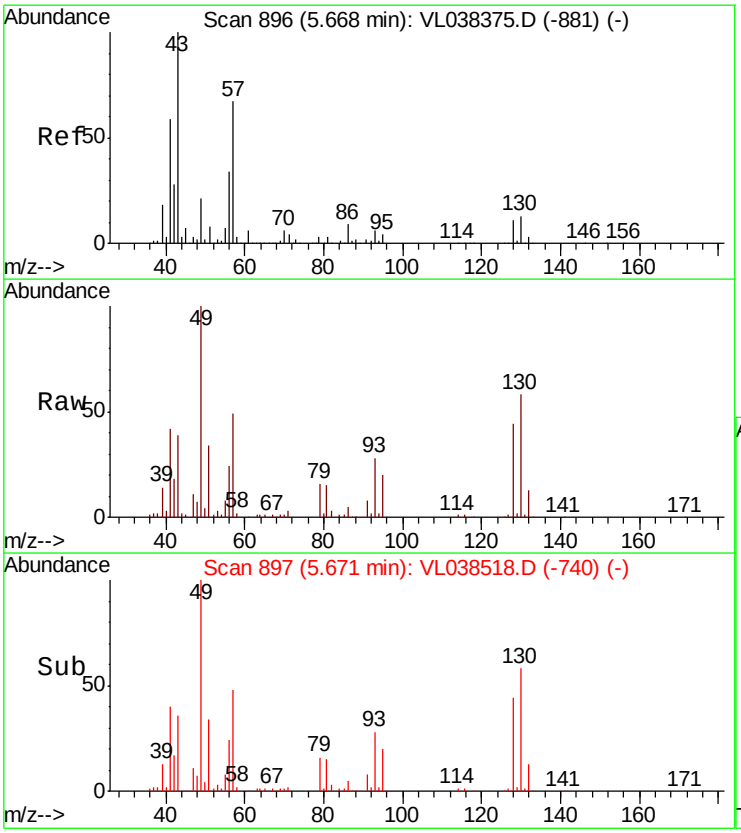
#25
Ethyl Acetate
Concen: 0.606 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 113386

Ion	Ratio	Lower	Upper
43	100		
45	3.6	7.8	11.6#
61	2.2	7.5	11.3#
70	2.9	5.4	8.0#

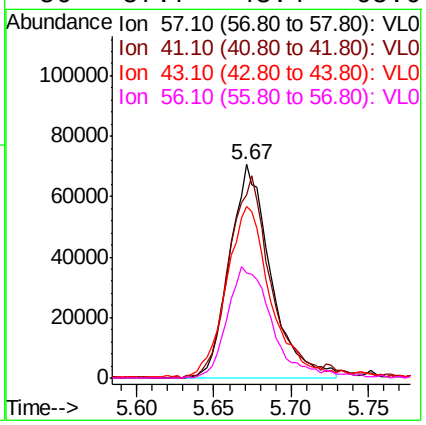


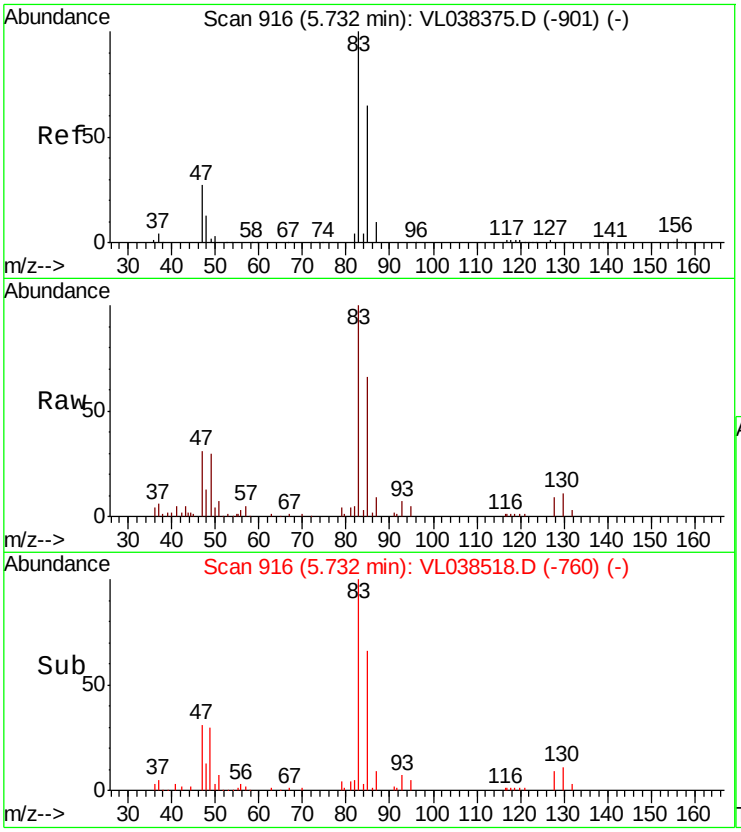


#26
Hexane
Concen: 1.541 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 57 Resp: 130528

Ion	Ratio	Lower	Upper
57	100		
41	100.2	73.1	109.7
43	88.9	181.0	271.4#
56	57.7	43.4	65.0



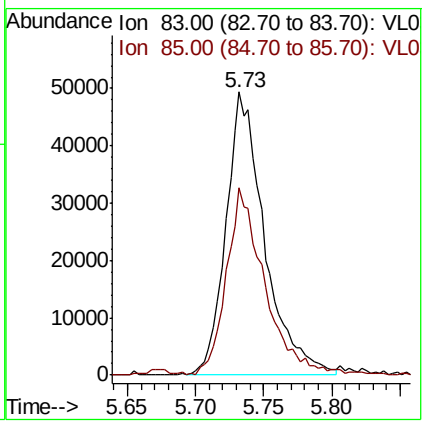


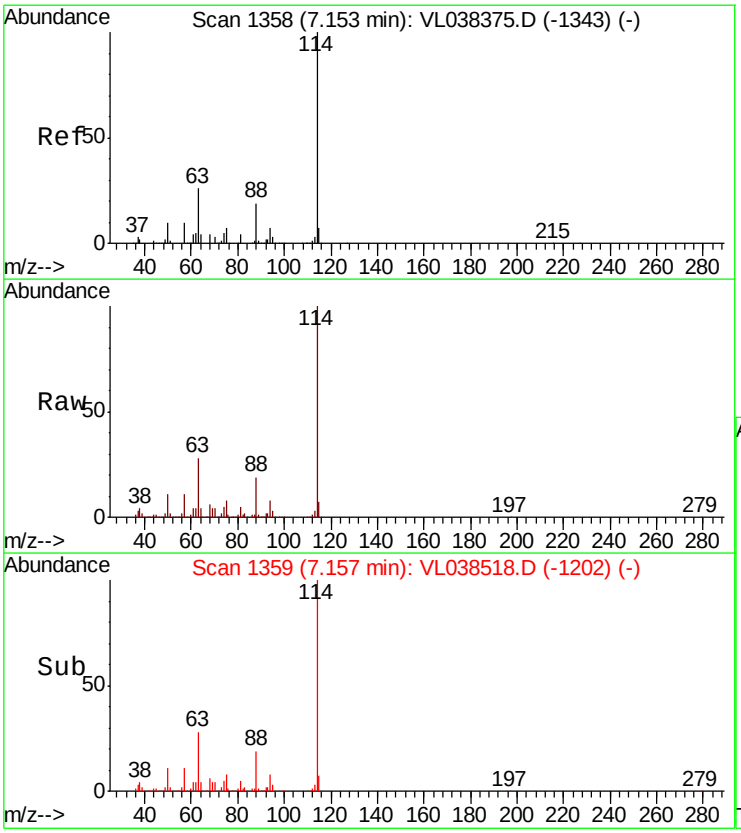
#29
Chloroform
Concen: 0.703 ppbv
RT: 5.73
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 97216

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4

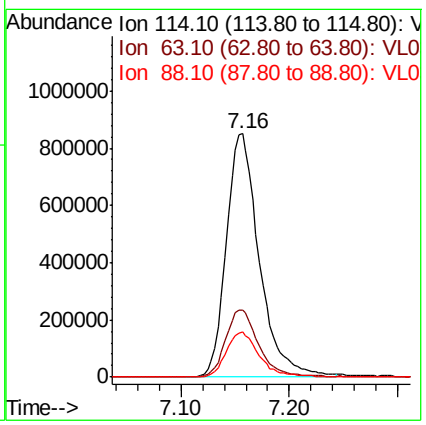


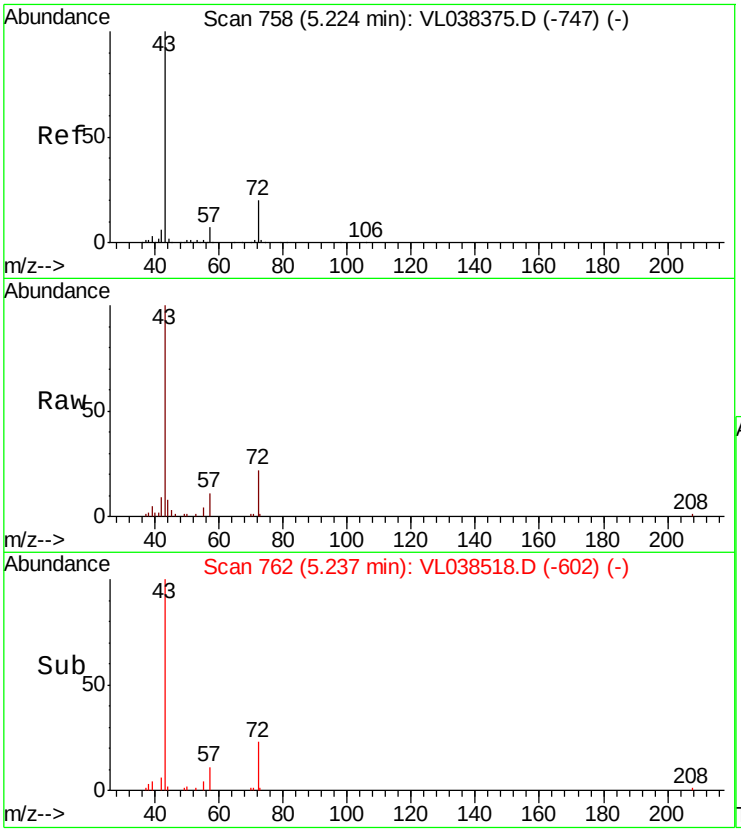


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion:114 Resp: 1813785

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.2
88	18.8	15.2	22.8



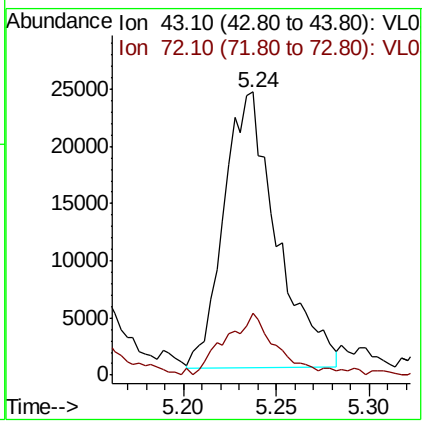


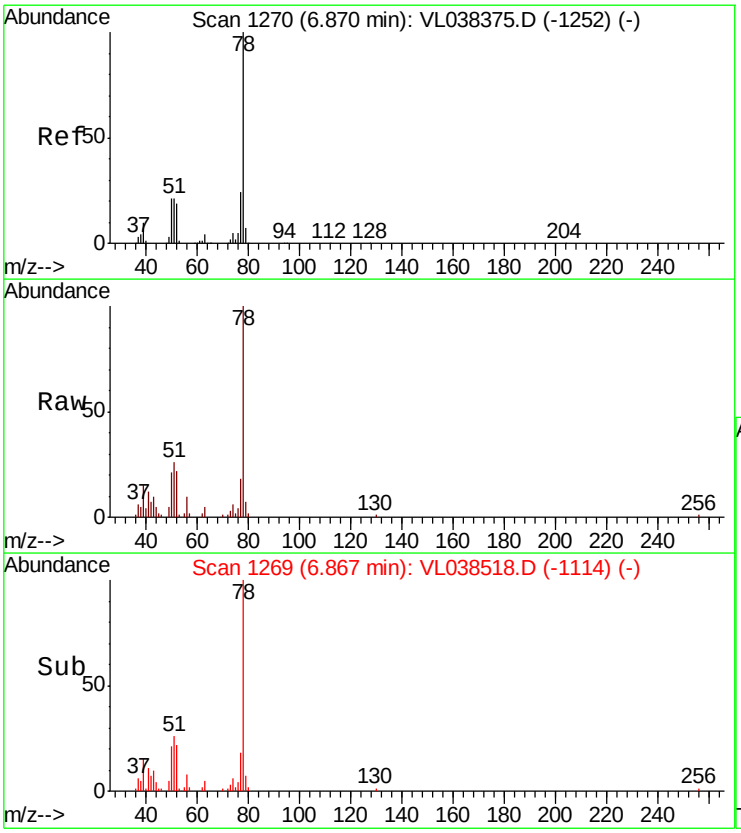
#34
2-Butanone
Concen: 0.844 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 48144

Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.4	26.2

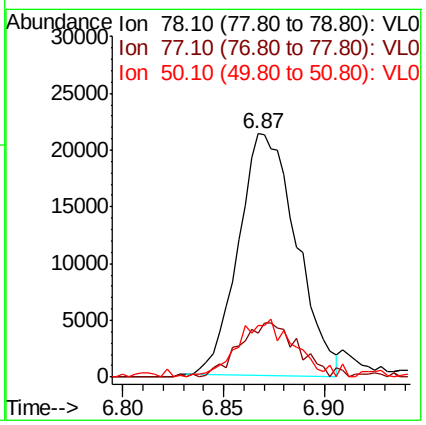


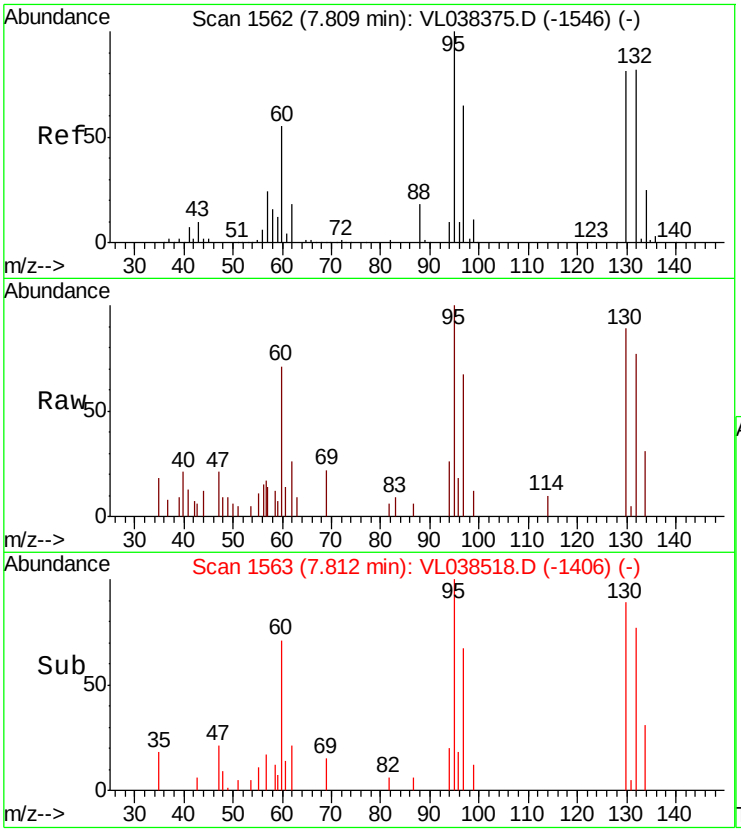


#36
Benzene
Concen: 0.268 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 78 Resp: 42785

Ion	Ratio	Lower	Upper
78	100		
77	18.4	19.0	28.6#
50	21.4	16.6	24.8



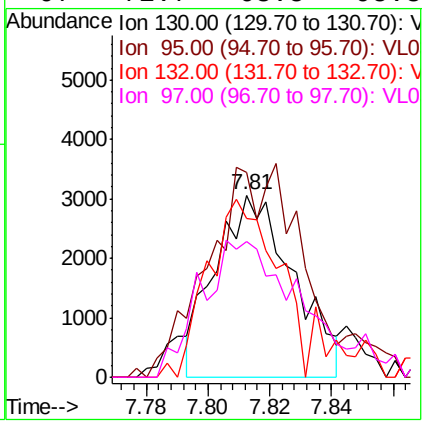


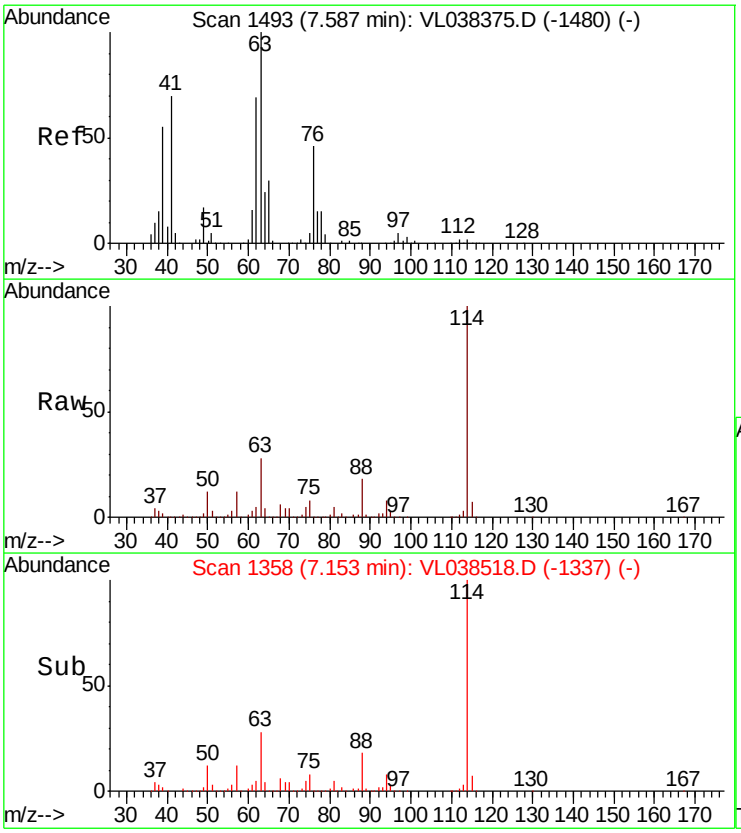
#38
Trichloroethene
Concen: 0.092 ppbv
RT: 7.81
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 5360

Ion	Ratio	Lower	Upper
130	100		
95	122.1	98.1	147.1
132	89.3	80.3	120.5
97	72.7	63.5	95.3

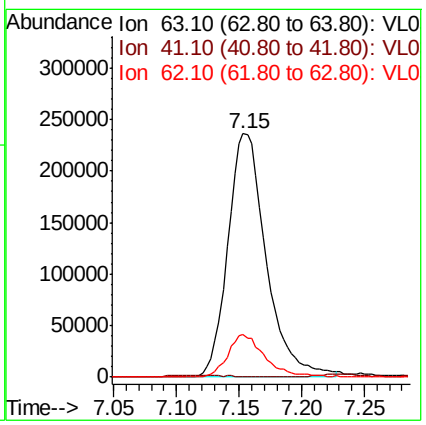


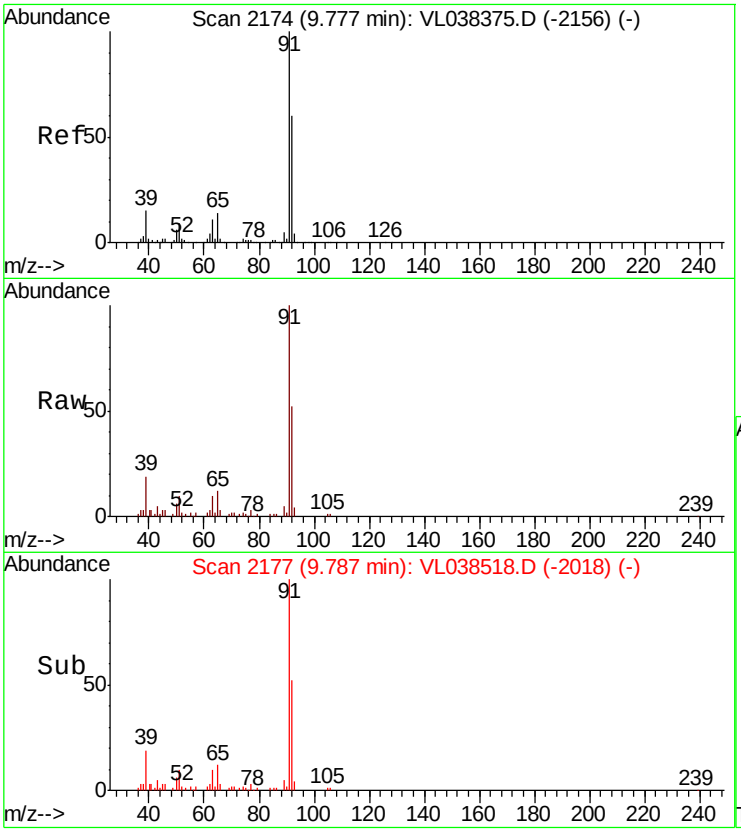


#39
1,2-Dichloropropane
Concen: 7.906 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.43 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 63 Resp: 502793

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.4	55.5	83.3#



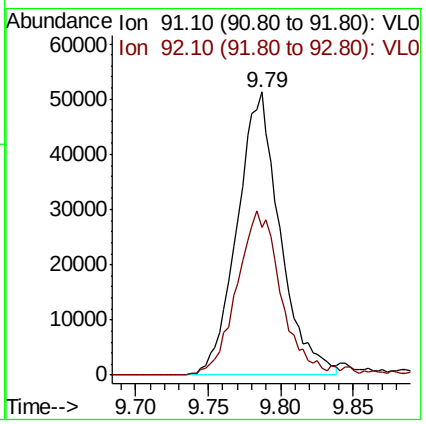


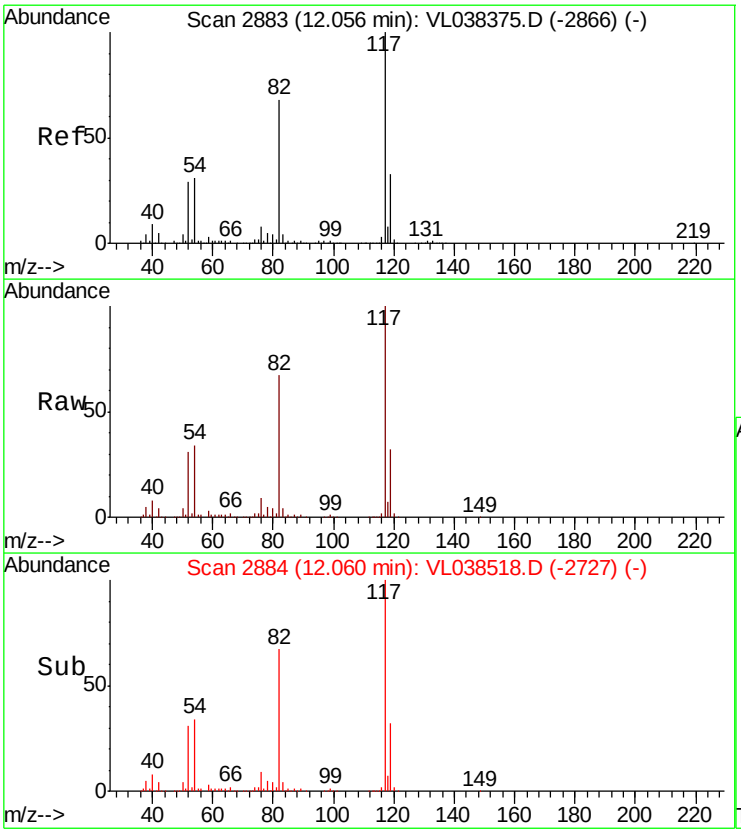
#53
Toluene
Concen: 0.609 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 105503

Ion	Ratio	Lower	Upper
91	100		
92	61.9	48.2	72.4

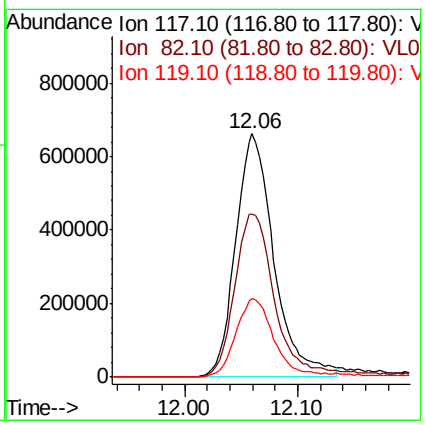


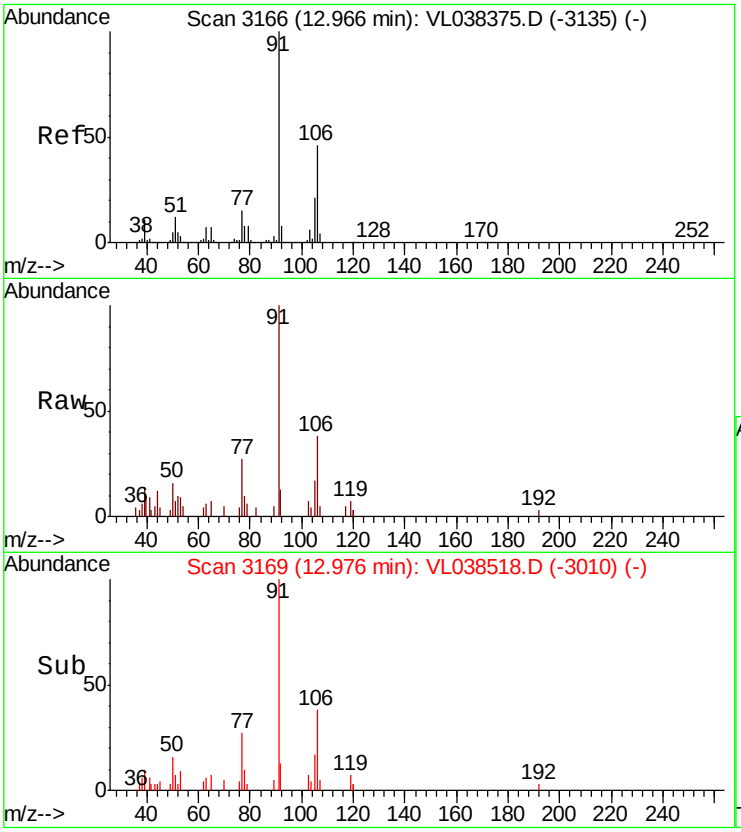


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion:117 Resp: 1561125

Ion	Ratio	Lower	Upper
117	100		
82	74.8	54.9	82.3
119	34.6	46.1	69.1#



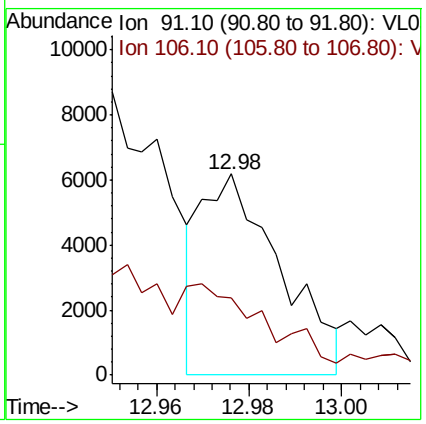


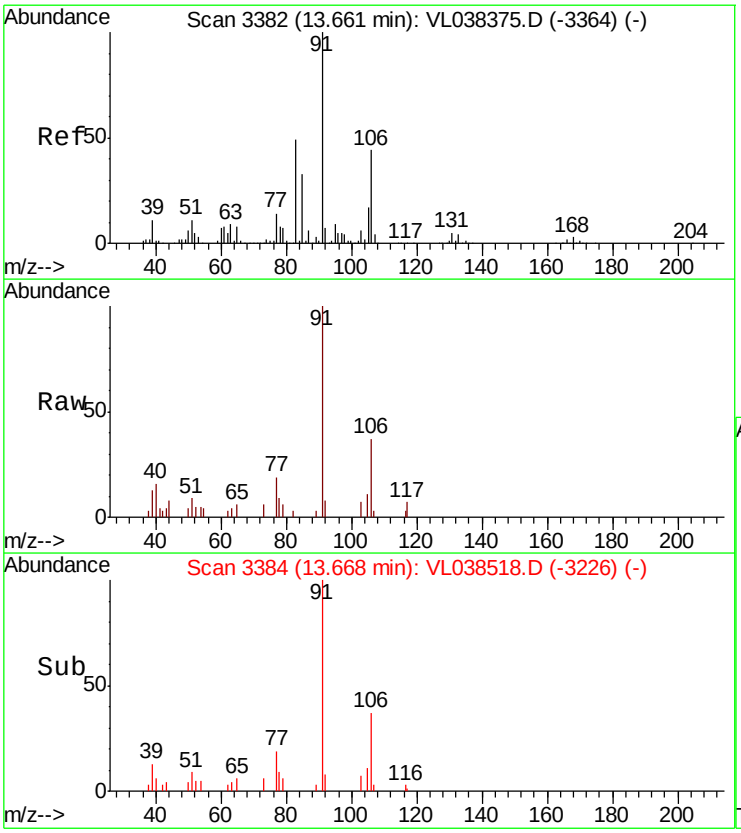
#59
m/p-Xylene
Concen: 0.040 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 7336

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

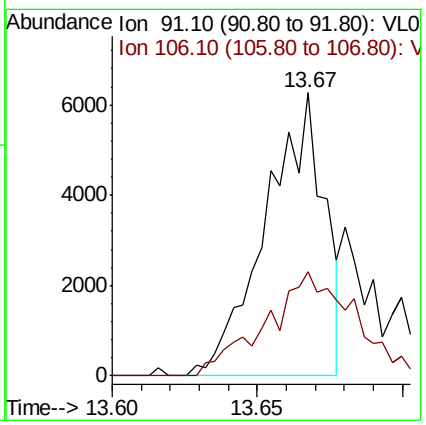


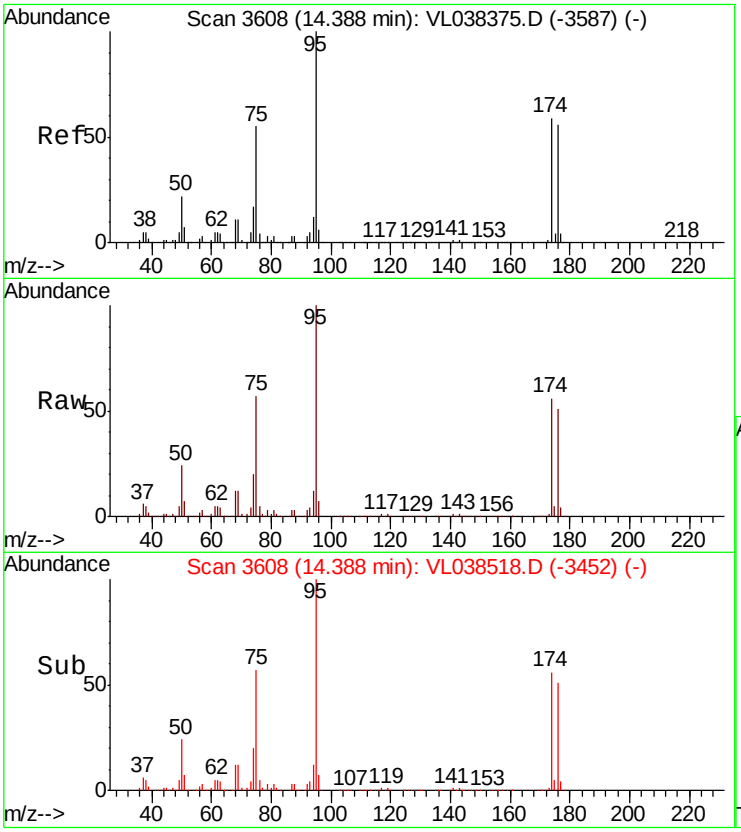


#60
o-Xylene
Concen: 0.051 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. 0.01 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion: 91 Resp: 8774

Ion	Ratio	Lower	Upper
91	100		
106	55.3	21.9	65.5



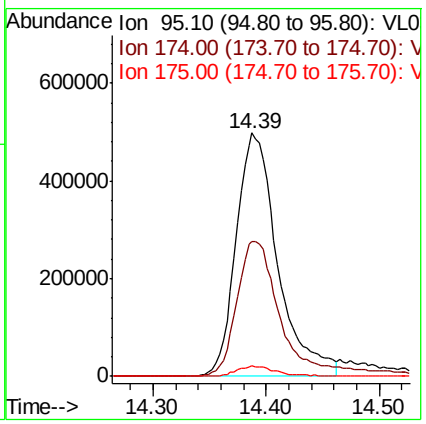


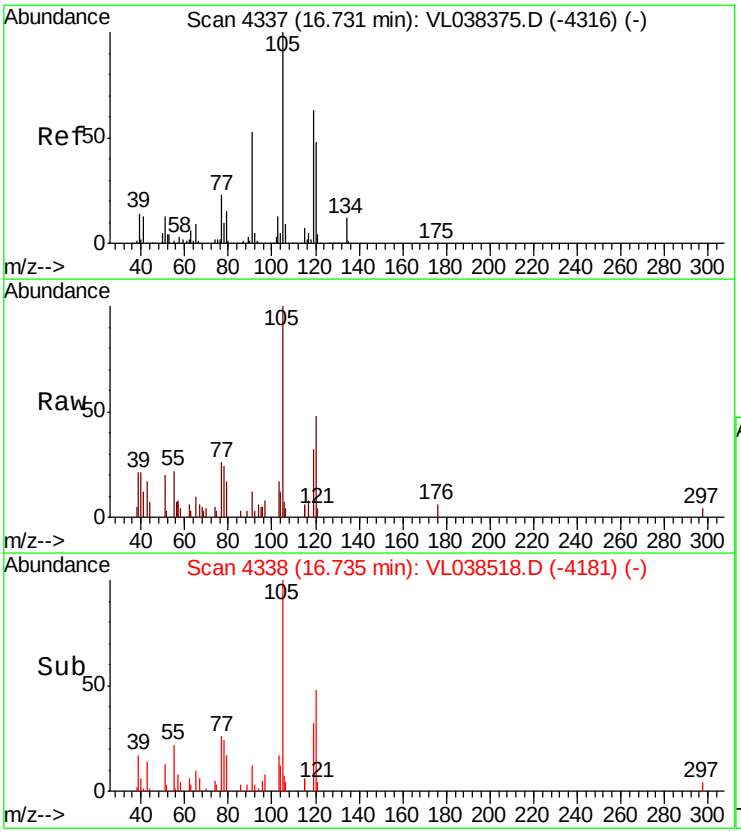
#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 3 Mar 2022 17:54

Instrument :
MSVOA_L
ClientSampleId :

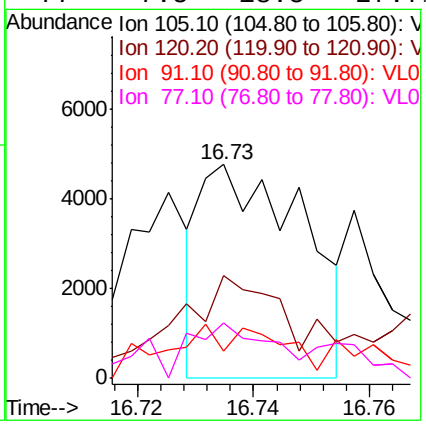
Tgt Ion: 95 Resp: 1276655

Ion	Ratio	Lower	Upper
95	100		
174	61.4	49.0	73.4
175	4.6	3.6	5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.032 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.00 min
Lab File: VL038518.D
Acq: 3 Mar 2022 17:54

Tgt Ion:105 Resp: 5843

Ion	Ratio	Lower	Upper
105	100		
120	40.3	38.2	57.4
91	0.0	42.7	64.1#
77	7.5	18.5	27.7#