Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038738.D
Acq On : 24 Mar 2022 5:48
Operator : SY/AP
Sample : N2051-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 24 07:52:31 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	737051	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2002445	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	1799243	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1315577	9.54	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	28652	0.289	ppbv		94
3) Chlorodifluoromethane	2.99	51	22707	0.292	ppbv		95
4) Chloromethane	3.15	50	7528	0.176	ppbv	#	85
9) Propene	3.01	41	78892	2.099	ppbv		99
11) Trichlorofluoromethane	3.95	101	24341	0.278	ppbv		88
12) 1,1,2-Trichlorotrifluoroet	4.48	101	5223	0.078	ppbv	#	70
13) Ethanol	3.61	45	123552	29.803	ppbv		95
15) Acetone	3.85	43	1729434	27.193	ppbv		90
16) 1,3-Butadiene	3.31	39	188719	5.229	ppbv	#	13
17) tert-Butyl alcohol	4.30	59	40594	0.731	ppbv	#	93
19) Isopropyl Alcohol	3.97	45	23298	0.661	ppbv	#	1
20) Methylene Chloride	4.35	84	123817	4.622	ppbv		96
21) Allyl Chloride	4.35	41	5311	0.116	ppbv	#	23
23) Vinyl Acetate	5.06	43	18075	0.294	ppbv	#	86
25) Ethyl Acetate	5.69	43	56326	0.352	ppbv	#	79
26) Hexane	5.69	57	80910	1.129	ppbv	#	37
27) Carbon Disulfide	4.55	76	7717	0.110	ppbv	#	81
29) Chloroform	5.75	83	1224412	10.669	ppbv		100
34) 2-Butanone	5.24	43	1358359	17.139	ppbv		99
36) Benzene	6.89	78	21609	0.140	ppbv	#	92
39) 1,2-Dichloropropane	7.17	63	458118	7.583	ppbv	#	29
51) 2-Hexanone	10.14	43	126652	1.197	ppbv	#	95
52) Tetrachloroethene	11.22	164	85207	1.507	ppbv		89
53) Toluene	9.81	91	52395	0.316	ppbv		96
65) tert-Butylbenzene	16.96	119	60712	0.257	ppbv	#	25
66) Benzyl Chloride	16.99	91	1514	0.034	ppbv	#	65
67) sec-Butylbenzene	16.97	105	21588	0.064	ppbv		95
75) 1,3-Dichlorobenzene	17.00	146	27641	0.212	ppbv	#	23

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

Quantitation Report (Not Reviewed)

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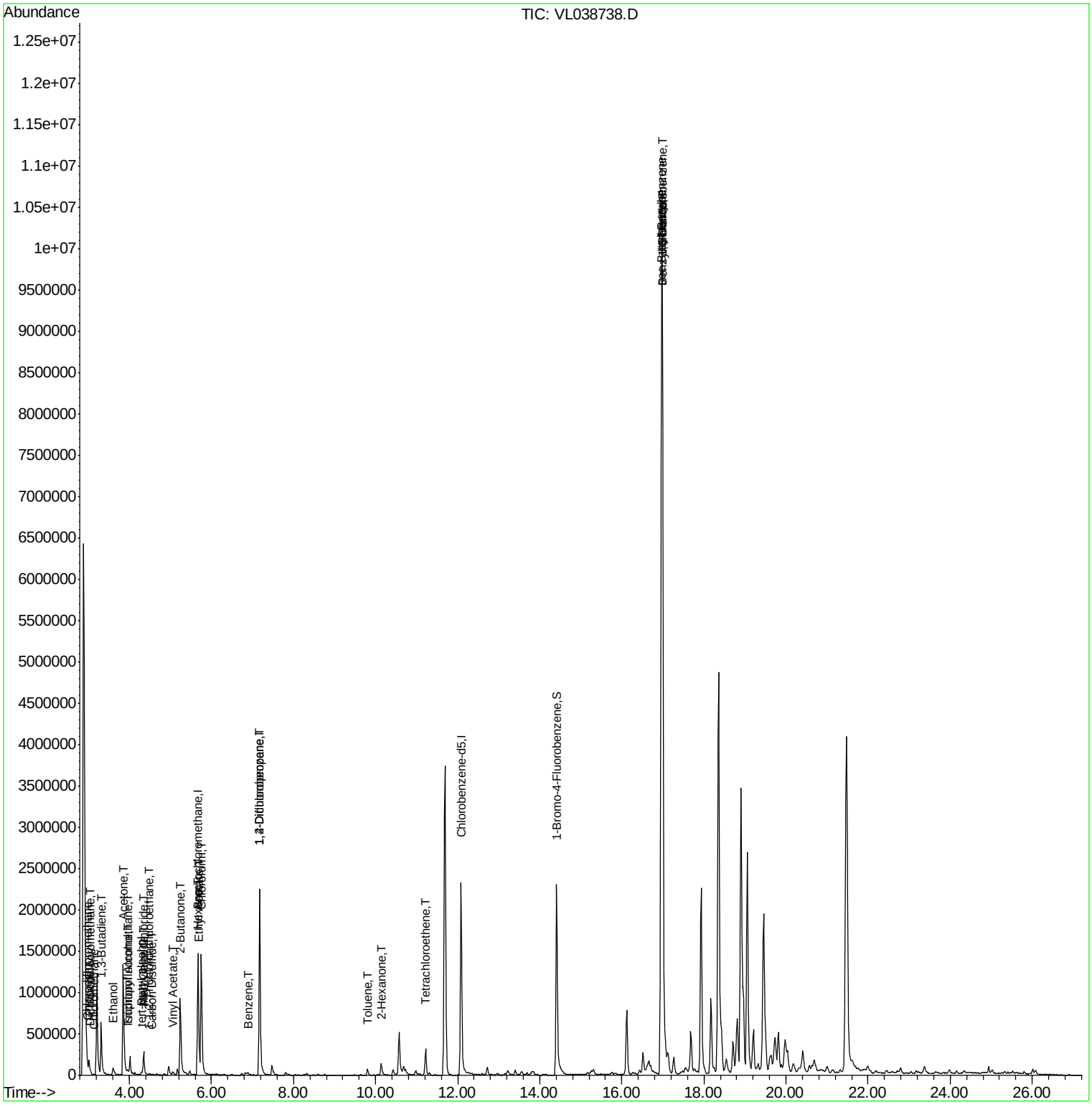
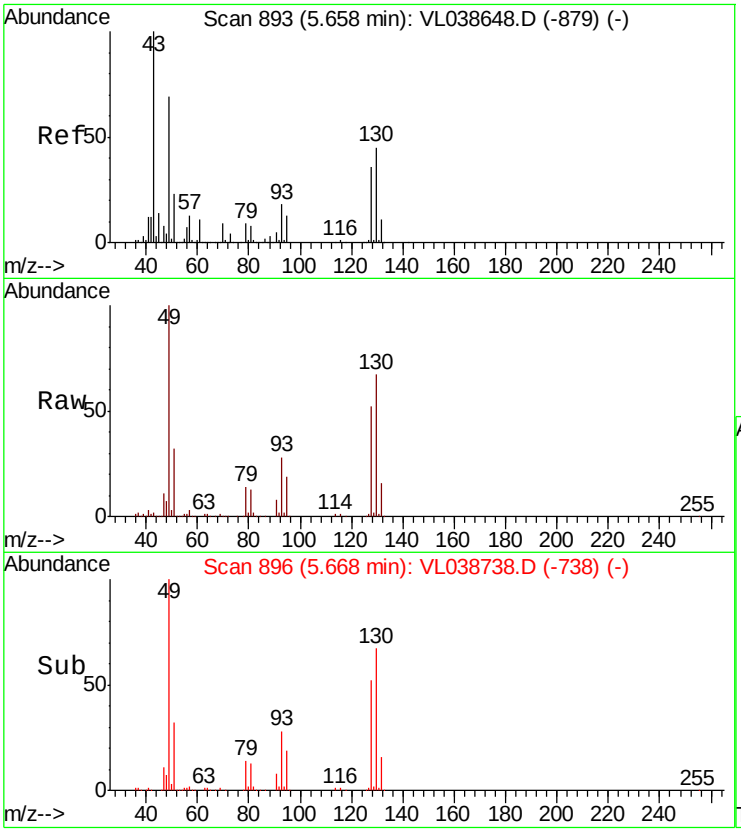
Data File : VL038738.D
Acq On : 24 Mar 2022 5:48
Operator : SY/AP
Sample : N2051-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 24 07:52:31 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



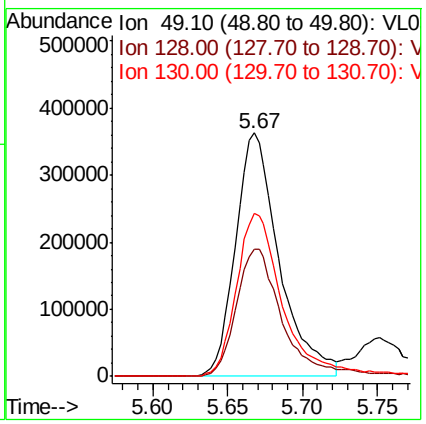


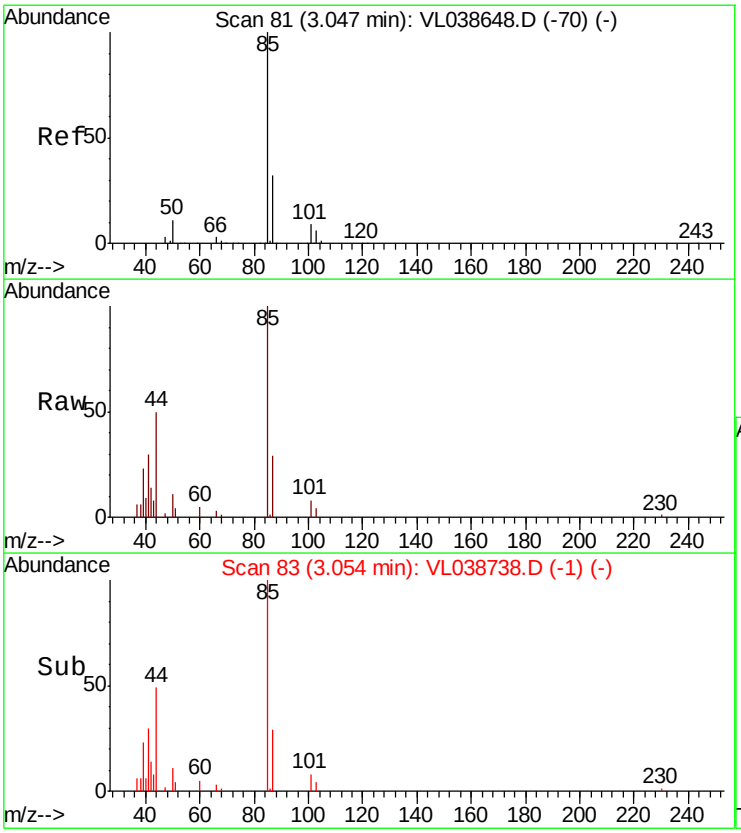
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 737051

Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.2	78.6
130	73.5	33.7	101.1

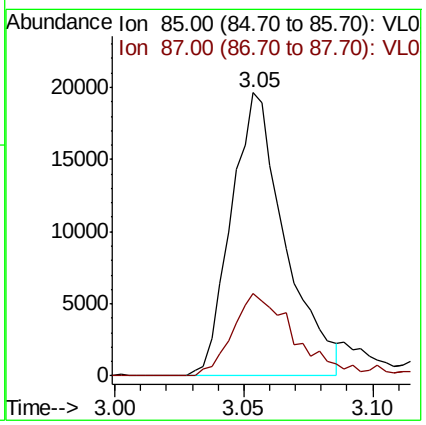


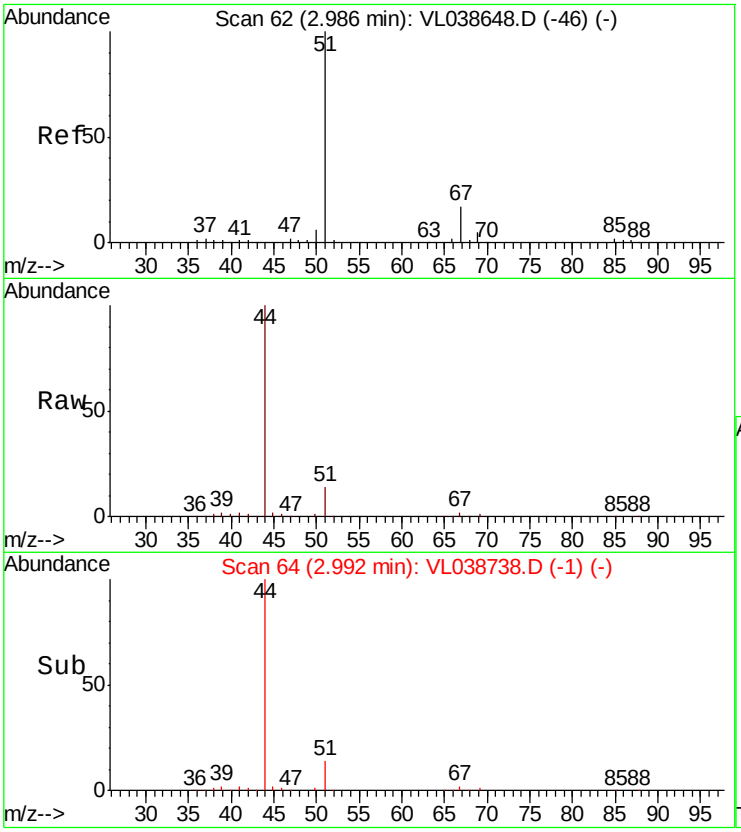


#2
Dichlorodifluoromethane
Concen: 0.289 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 85 Resp: 28652

Ion	Ratio	Lower	Upper
85	100		
87	29.2	26.0	39.0



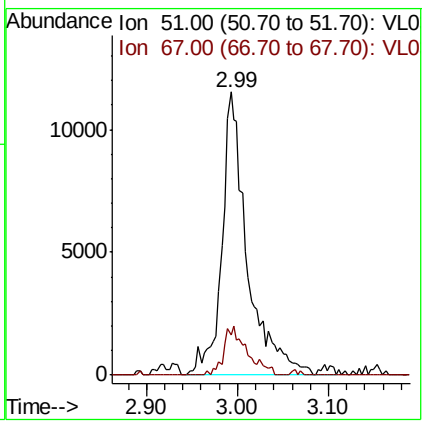


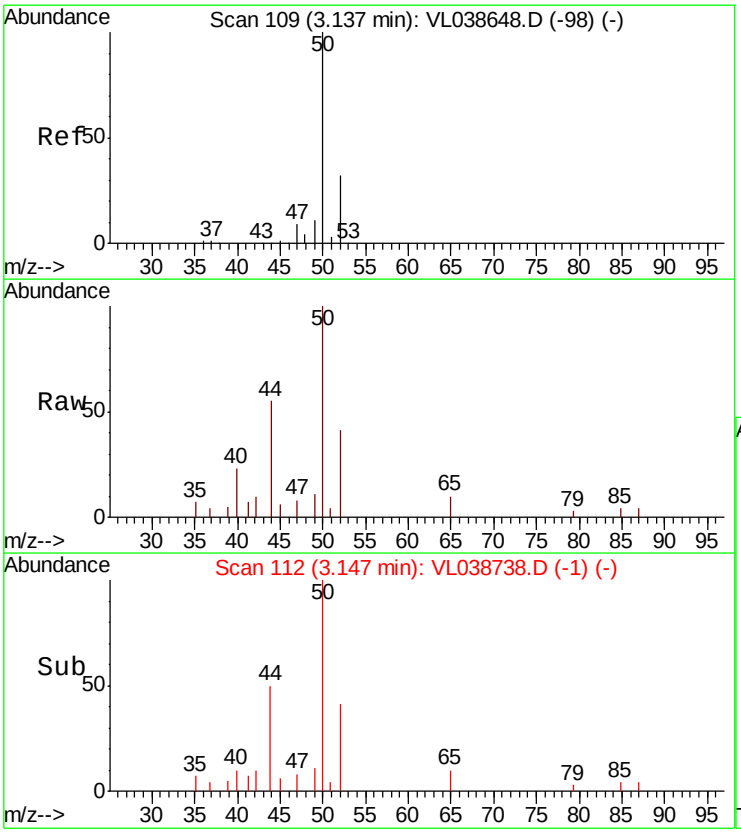
#3
Chlorodifluoromethane
Concen: 0.292 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 22707

Ion	Ratio	Lower	Upper
51	100		
67	15.5	14.1	21.1

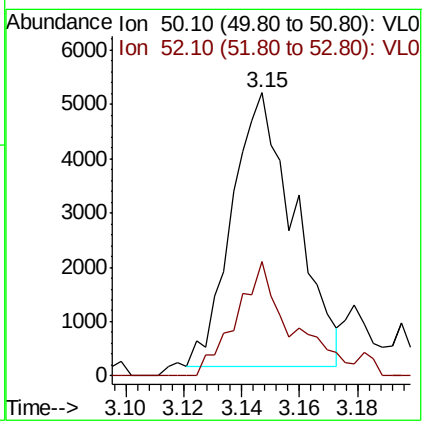


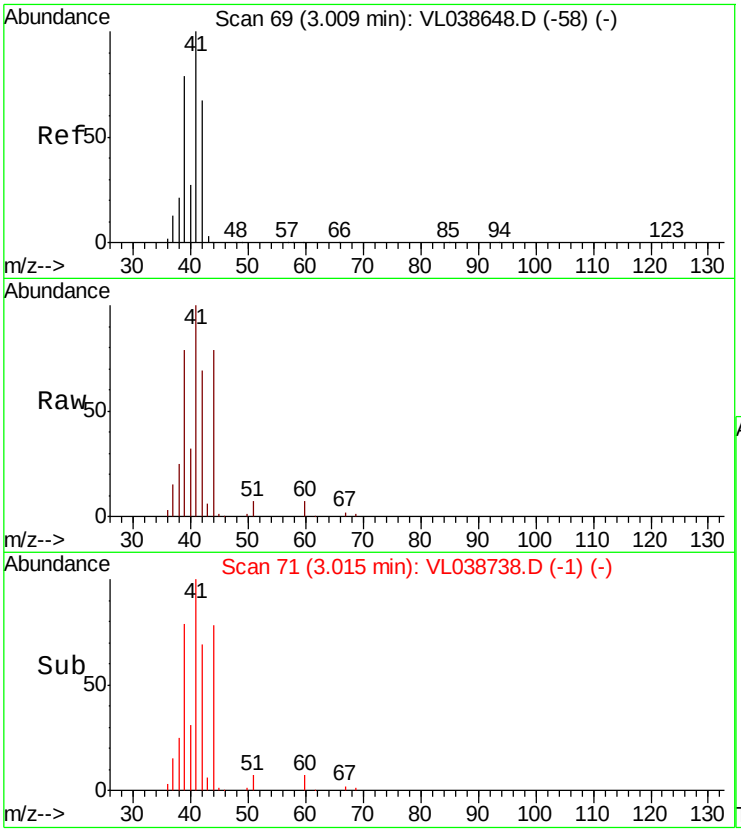


#4
Chloromethane
Concen: 0.176 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 50 Resp: 7528

Ion	Ratio	Lower	Upper
50	100		
52	40.4	25.5	38.3#



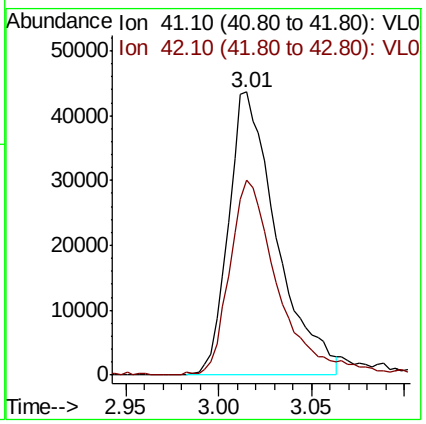


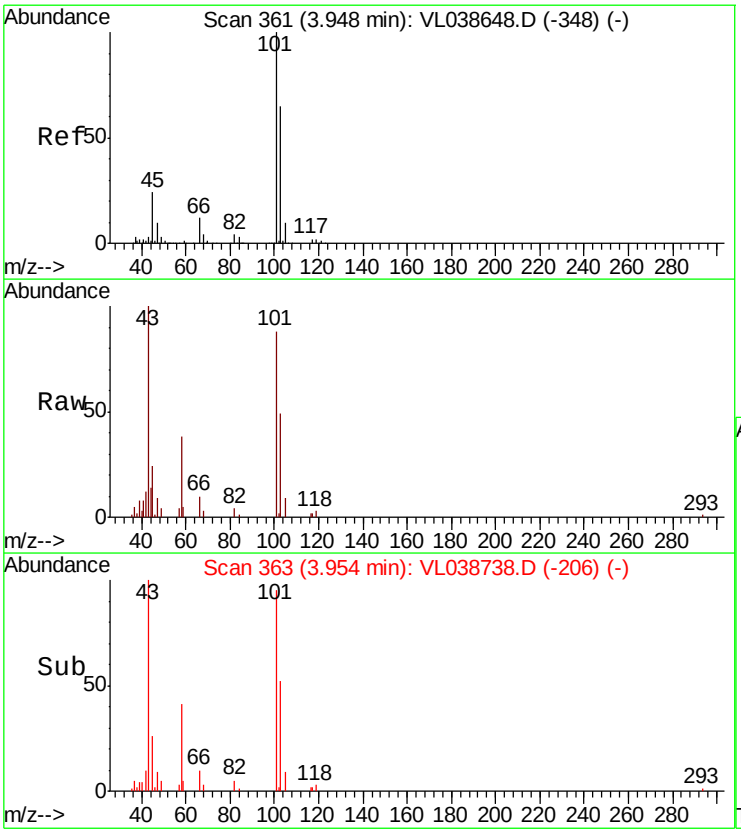
#9
Propene
Concen: 2.099 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 78892

Ion	Ratio	Lower	Upper
41	100		
42	70.9	56.2	84.4

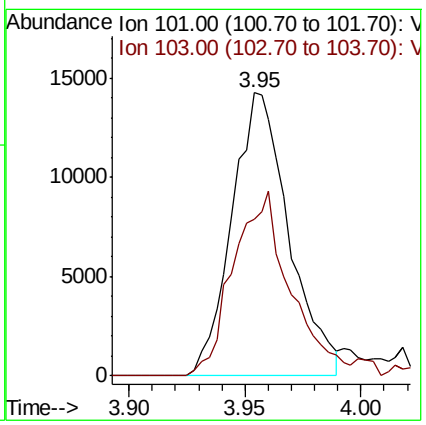


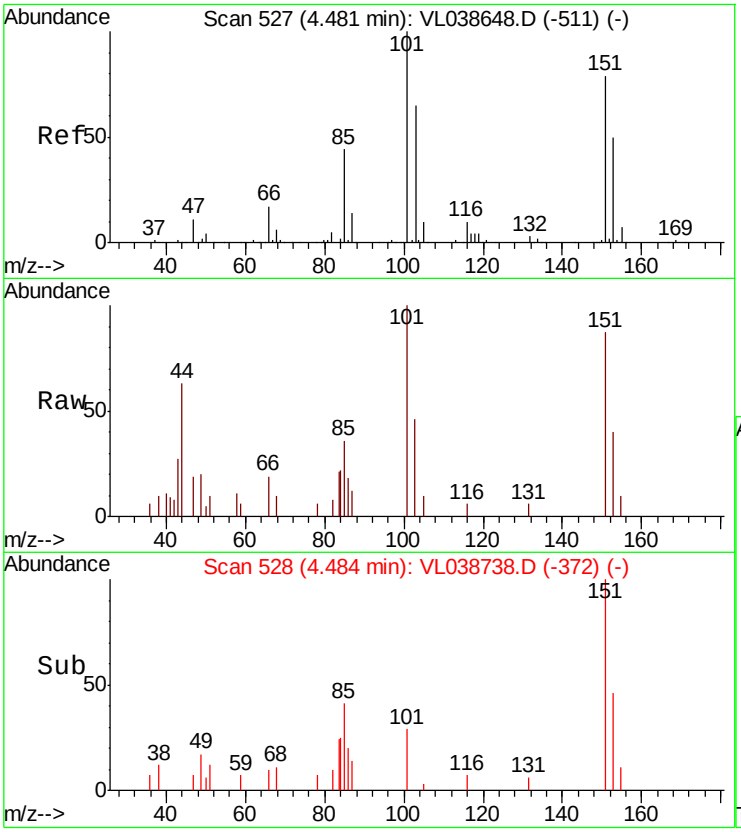


#11
Trichlorofluoromethane
Concen: 0.278 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion:101 Resp: 24341

Ion	Ratio	Lower	Upper
101	100		
103	55.3	51.9	77.9



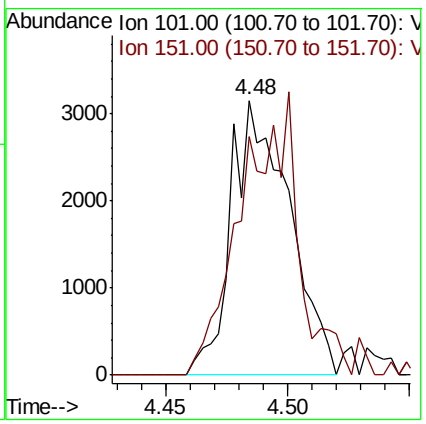


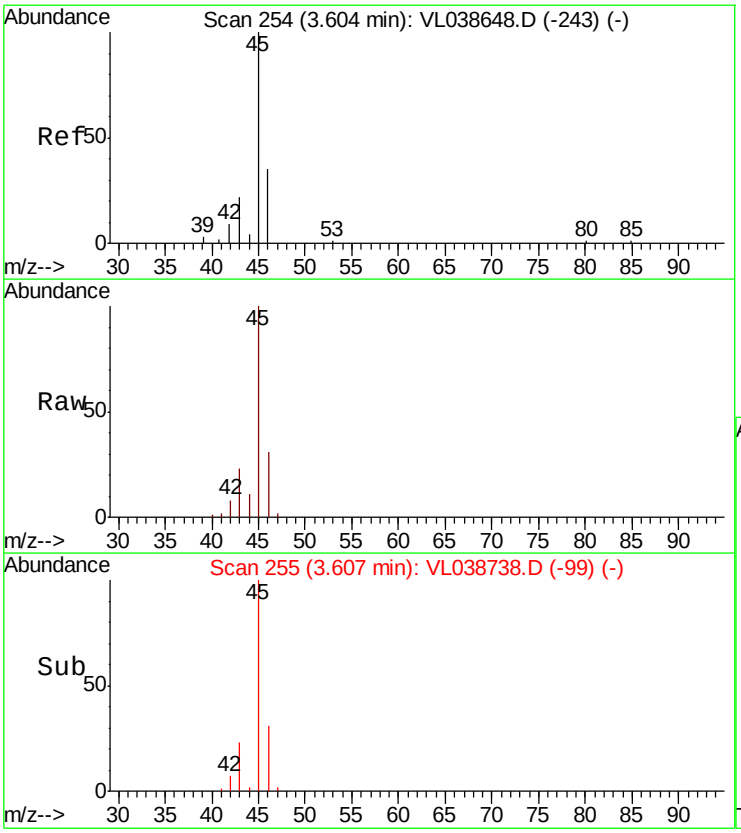
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 5223

Ion	Ratio	Lower	Upper
101	100		
151	105.0	62.9	94.3#

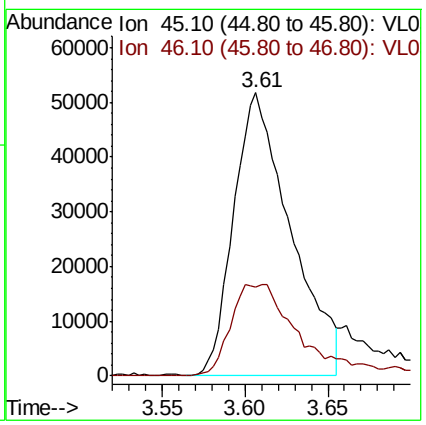


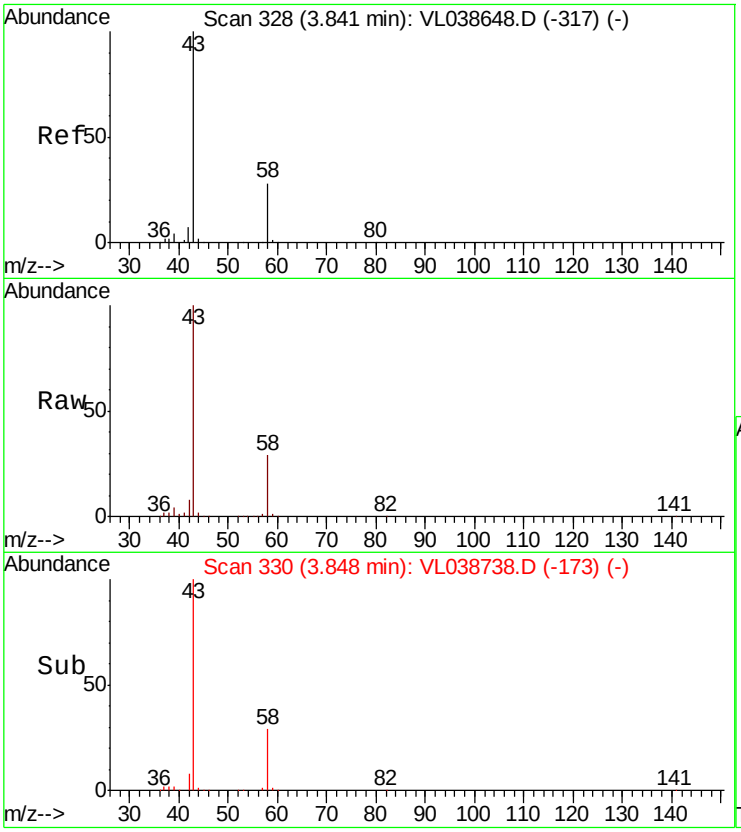


#13
Ethanol
Concen: 29.803 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.00 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 45 Resp: 123552

Ion	Ratio	Lower	Upper
45	100		
46	40.7	15.1	60.5



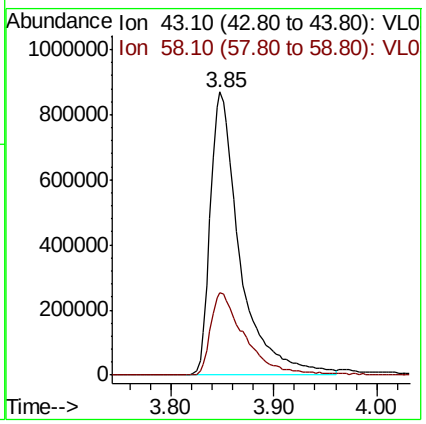


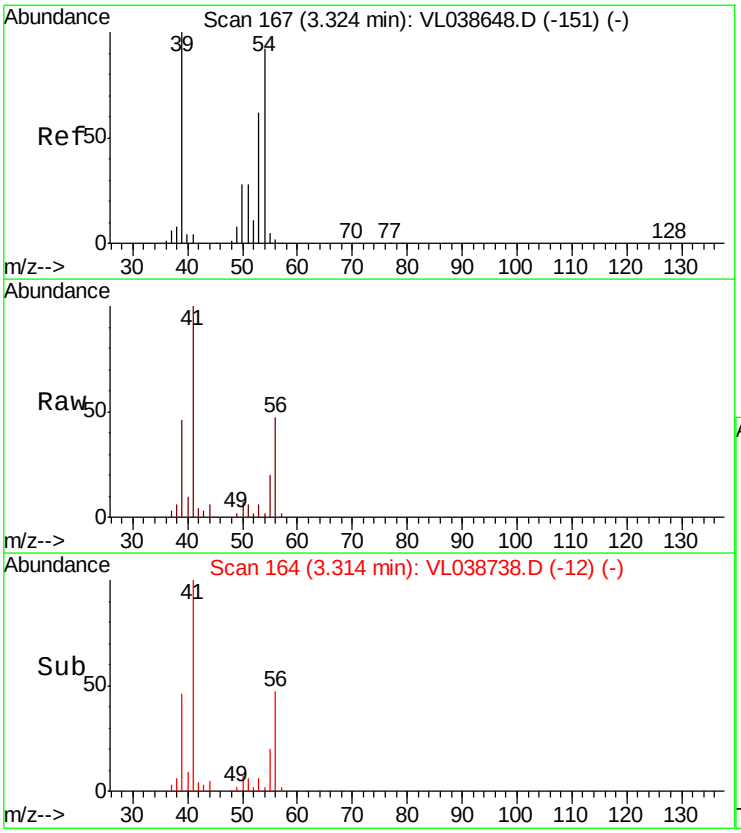
#15
Acetone
Concen: 27.193 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1729434

Ion	Ratio	Lower	Upper
43	100		
58	34.7	23.3	34.9

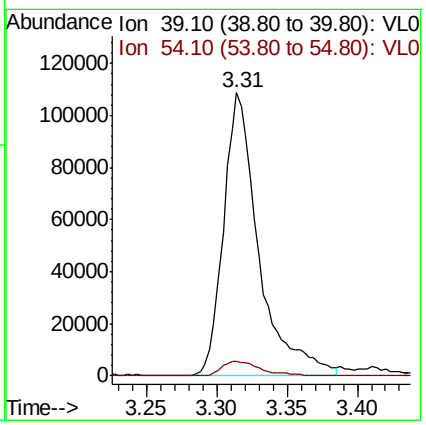


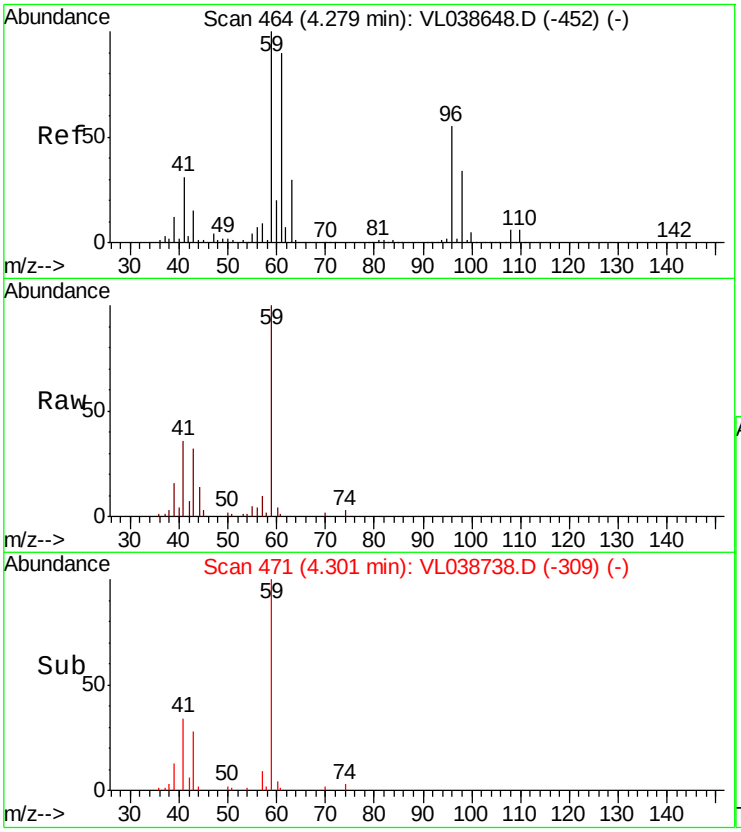


#16
1,3-Butadiene
Concen: 5.229 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 39 Resp: 188719

Ion	Ratio	Lower	Upper
39	100		
54	6.1	69.1	103.7#



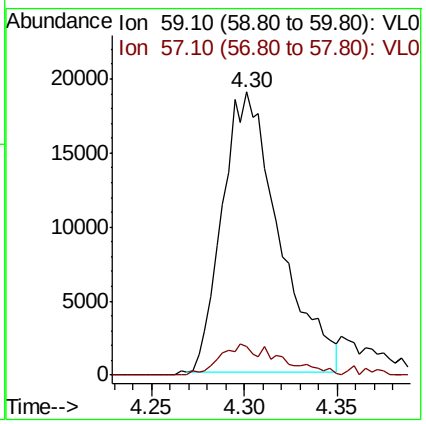


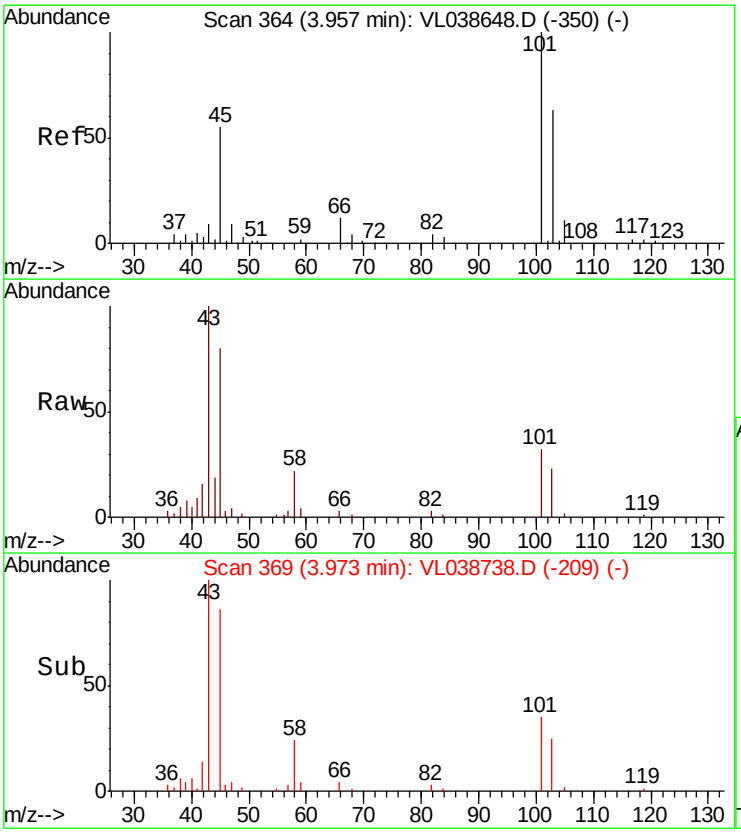
#17
tert-Butyl alcohol
Concen: 0.731 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 40594

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.2	12.2#

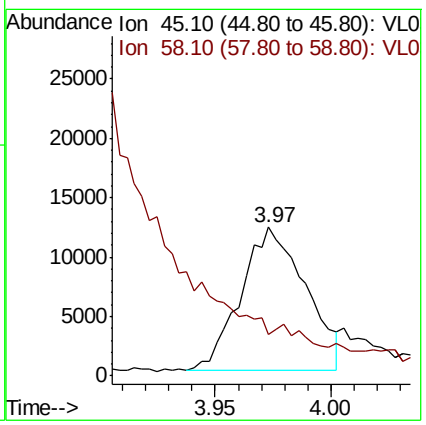


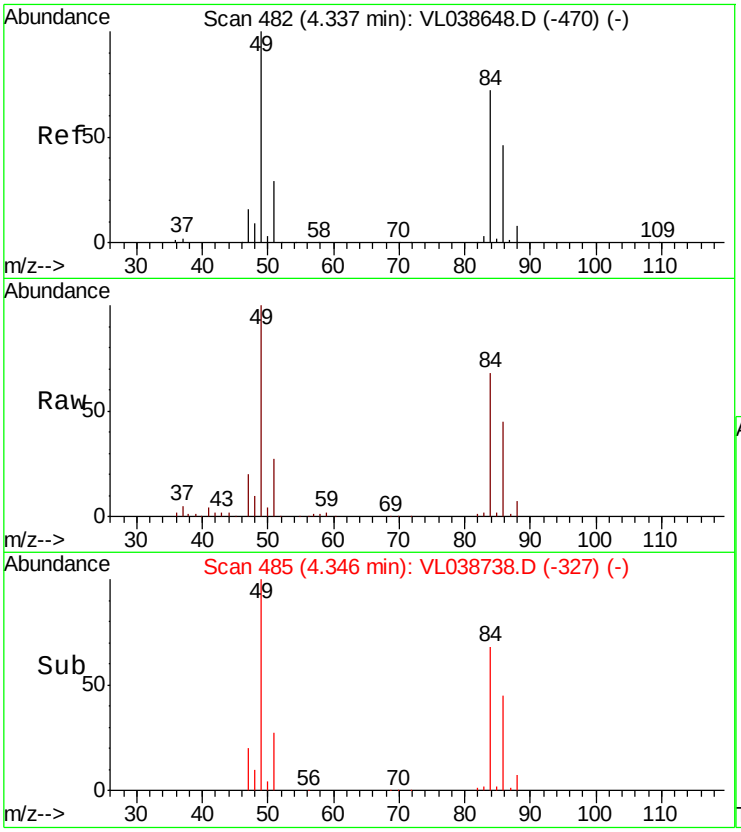


#19
Isopropyl Alcohol
Concen: 0.661 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 45 Resp: 23298

Ion	Ratio	Lower	Upper
45	100		
58	2575.7	2.3	3.5#



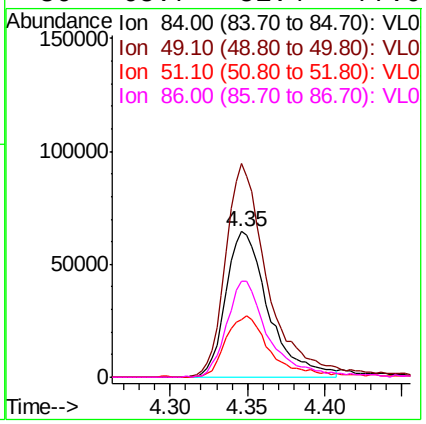


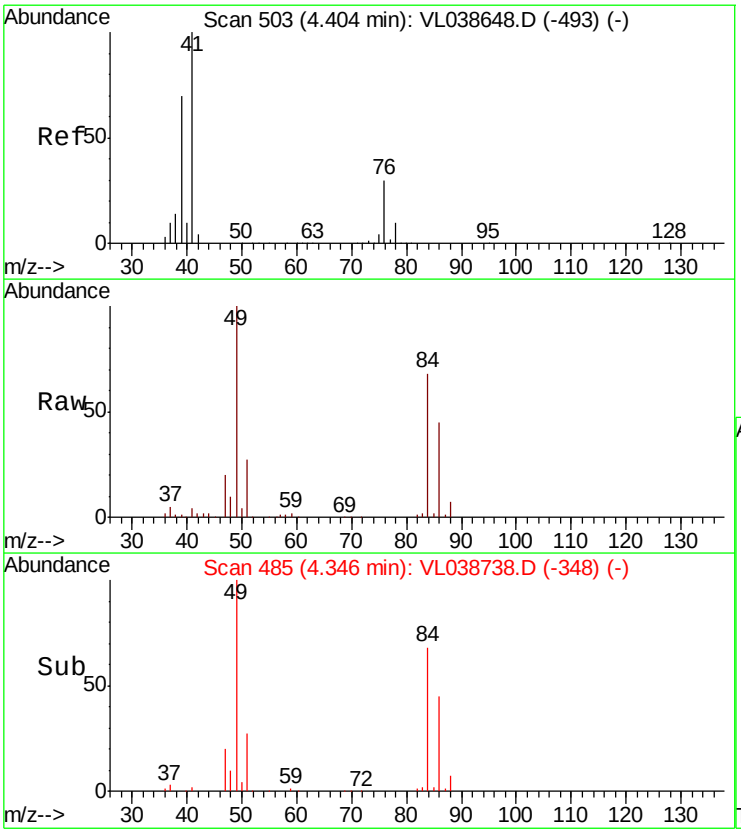
#20
Methylene Chloride
Concen: 4.622 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 123817

Ion	Ratio	Lower	Upper
84	100		
49	146.4	111.2	166.8
51	39.2	32.8	49.2
86	65.7	51.4	77.0

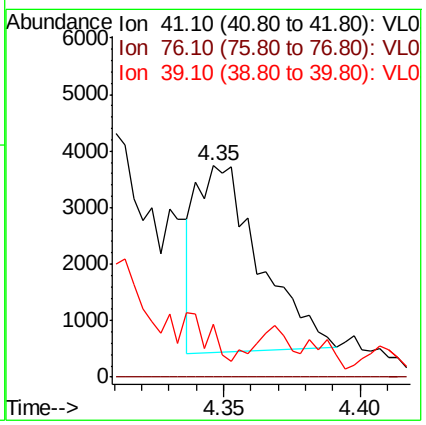


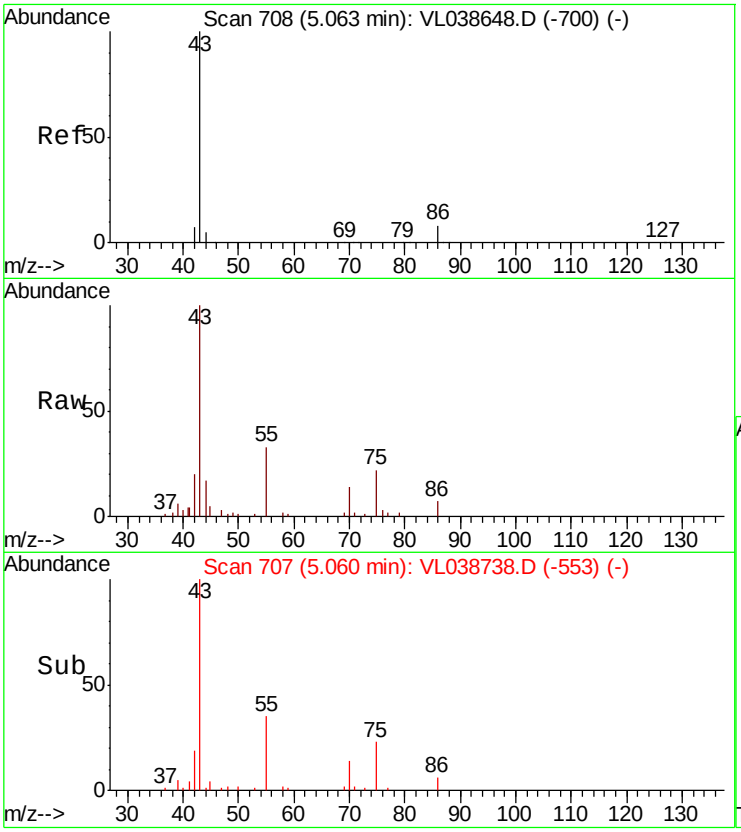


#21
Allyl Chloride
Concen: 0.116 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.06 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 41 Resp: 5311

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	0.0	56.6	85.0#



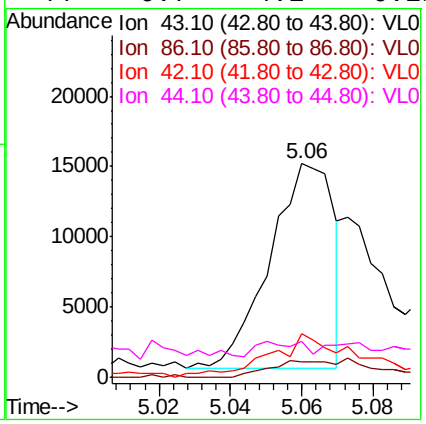


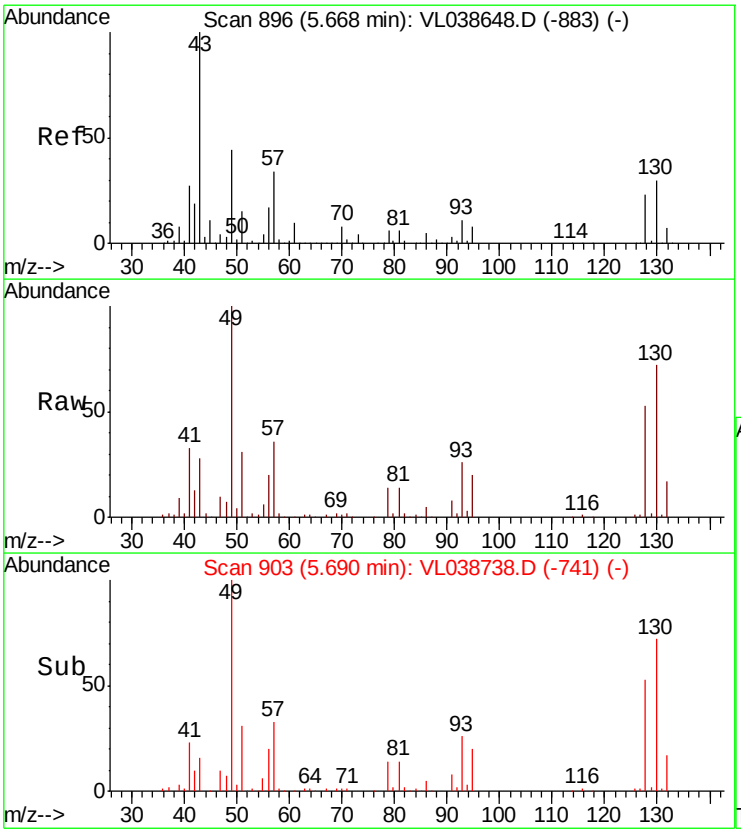
#23
Vinyl Acetate
Concen: 0.294 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 18075

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.6	8.4
42	19.6	6.8	10.2#
44	6.7	4.2	6.2#

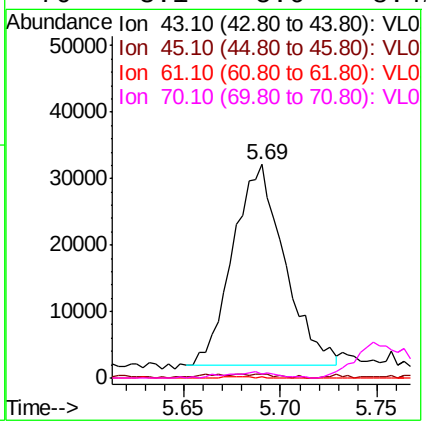


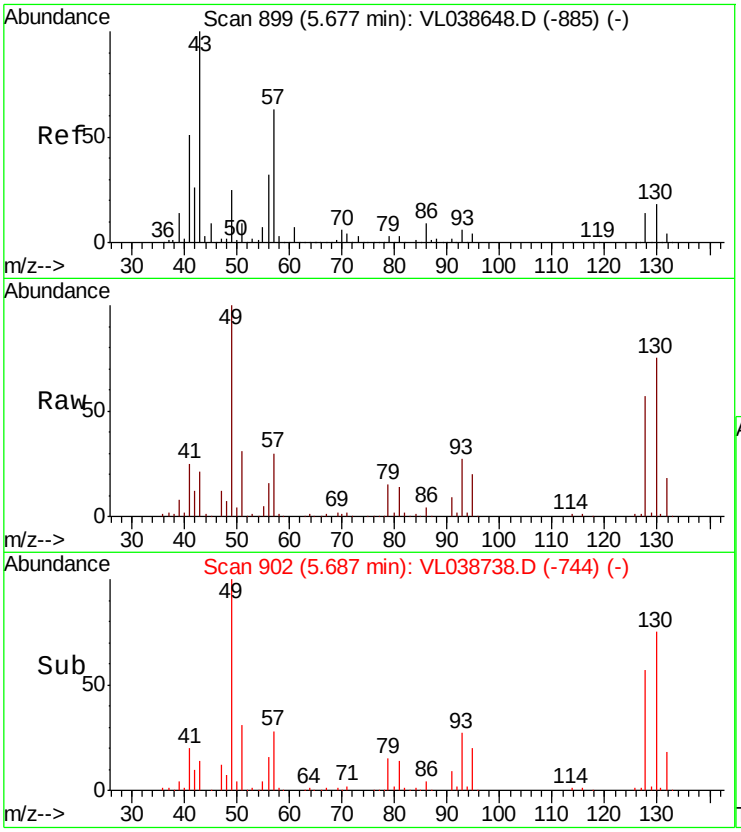


#25
Ethyl Acetate
Concen: 0.352 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 43 Resp: 56326

Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.2	12.4#
61	0.5	8.3	12.5#
70	3.1	5.6	8.4#



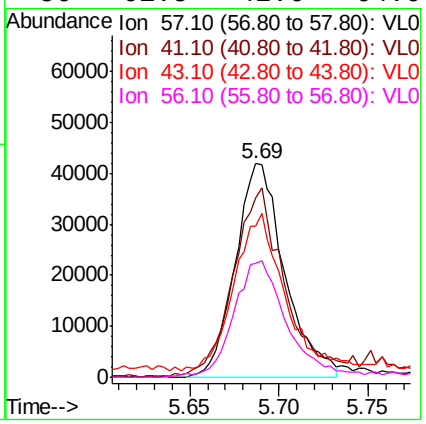


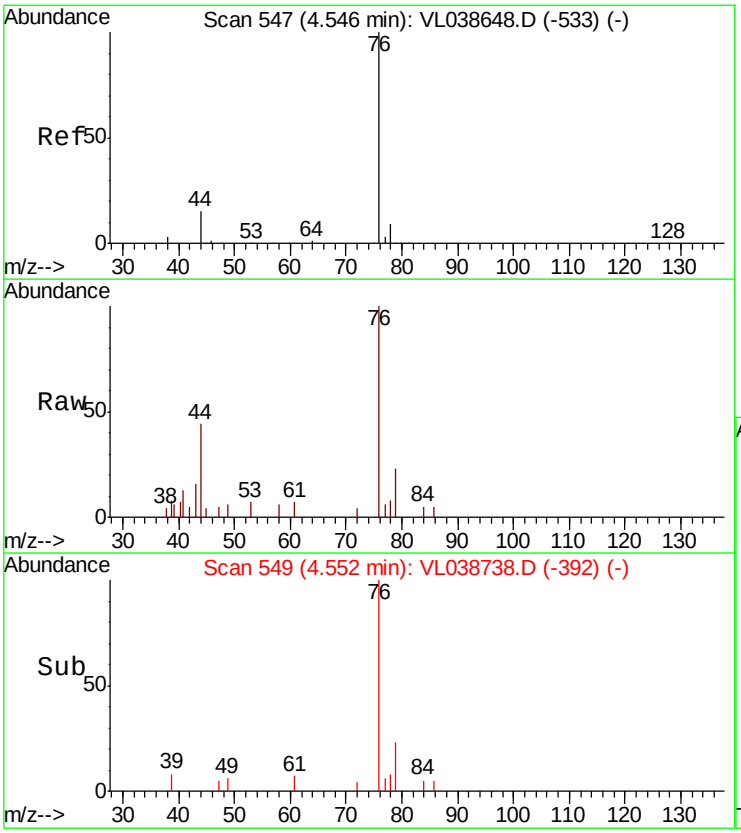
#26
Hexane
Concen: 1.129 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 80910

Ion	Ratio	Lower	Upper
57	100		
41	105.0	67.0	100.4#
43	82.2	184.2	276.2#
56	61.5	42.6	64.0

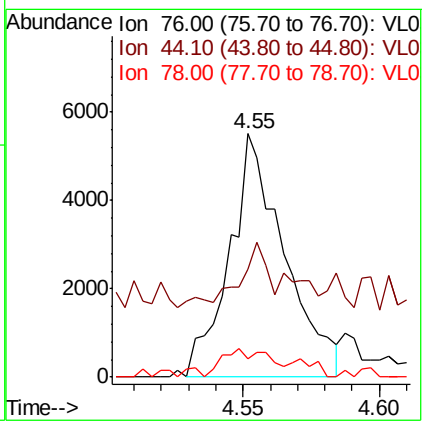


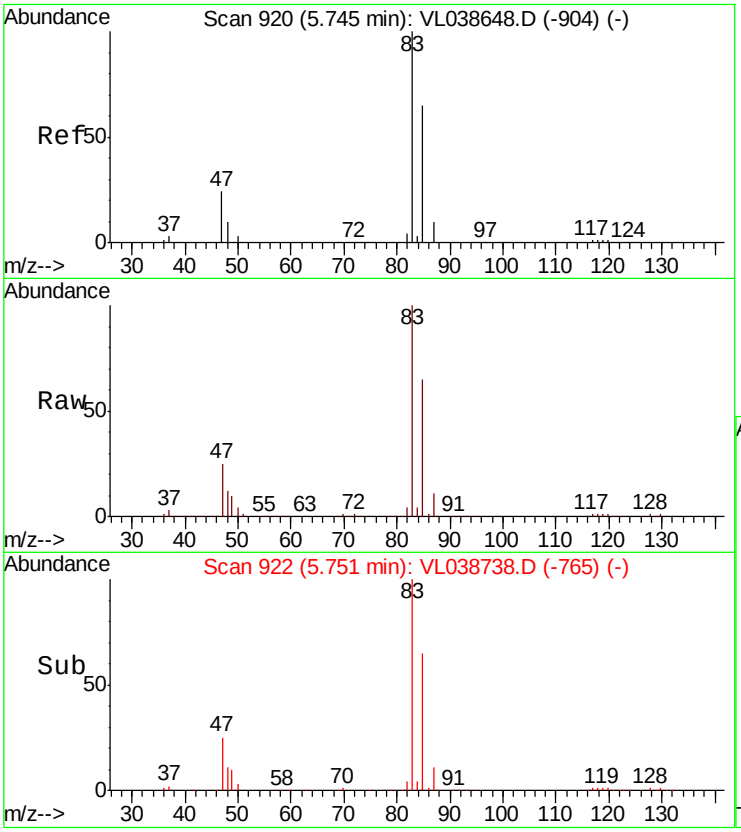


#27
Carbon Disulfide
Concen: 0.110 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 76 Resp: 7717

Ion	Ratio	Lower	Upper
76	100		
44	24.3	12.4	18.6#
78	15.6	7.8	11.8#



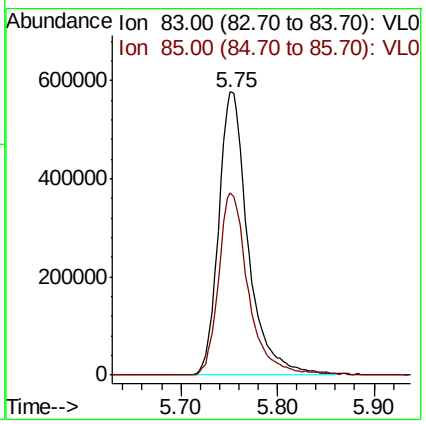


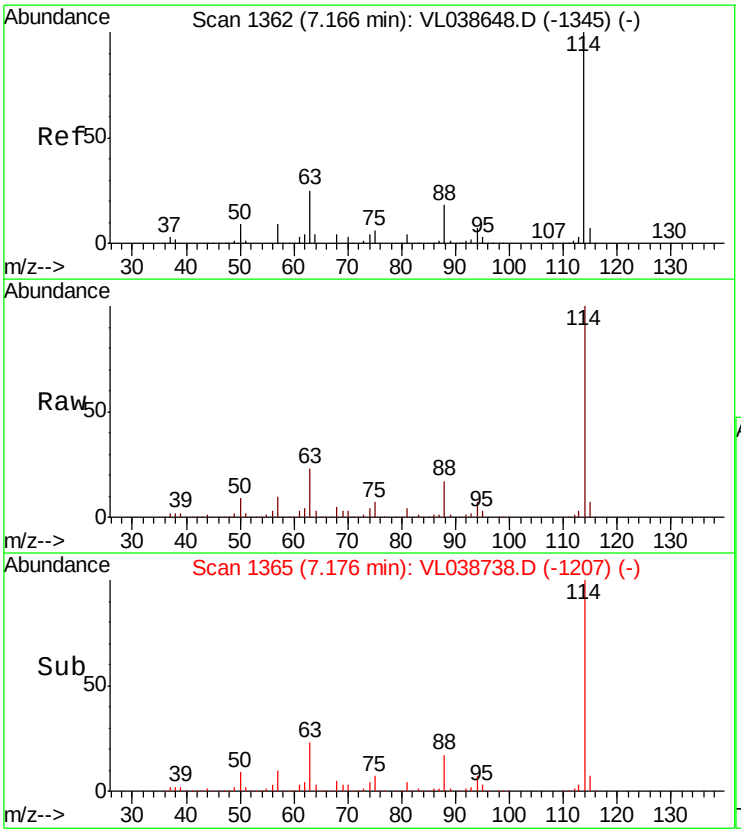
#29
Chloroform
Concen: 10.669 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1224412

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5

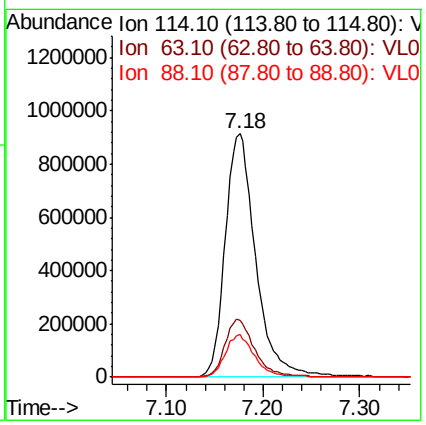


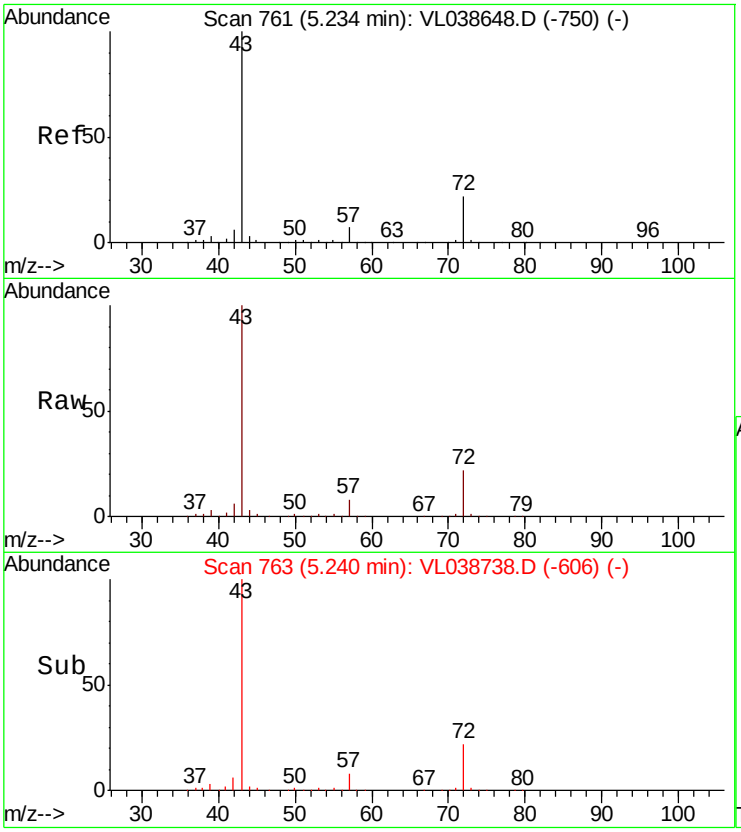


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion:114 Resp: 2002445

Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.4	29.0
88	17.1	13.9	20.9



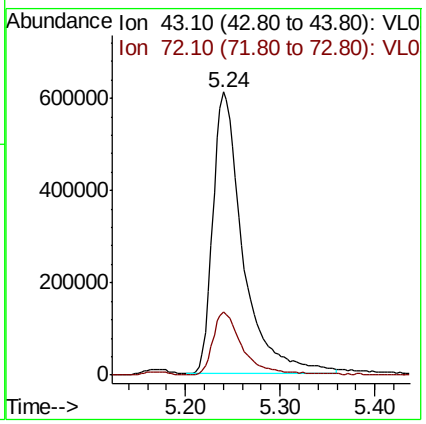


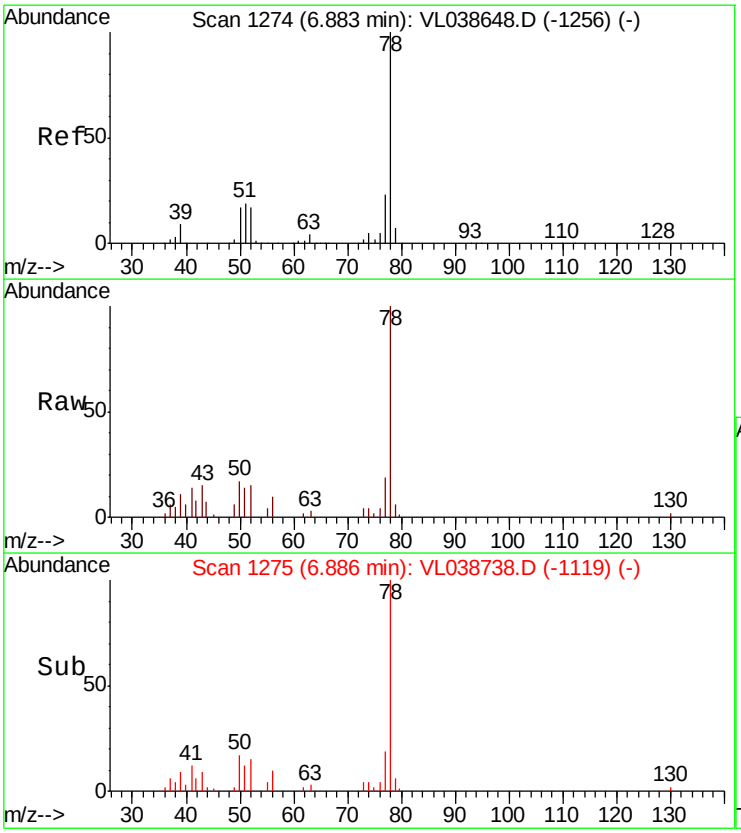
#34
2-Butanone
Concen: 17.139 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1358359

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.8	26.8

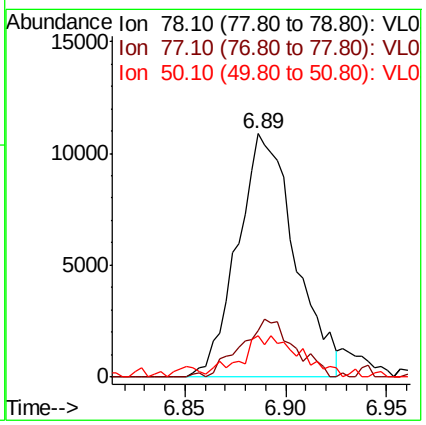


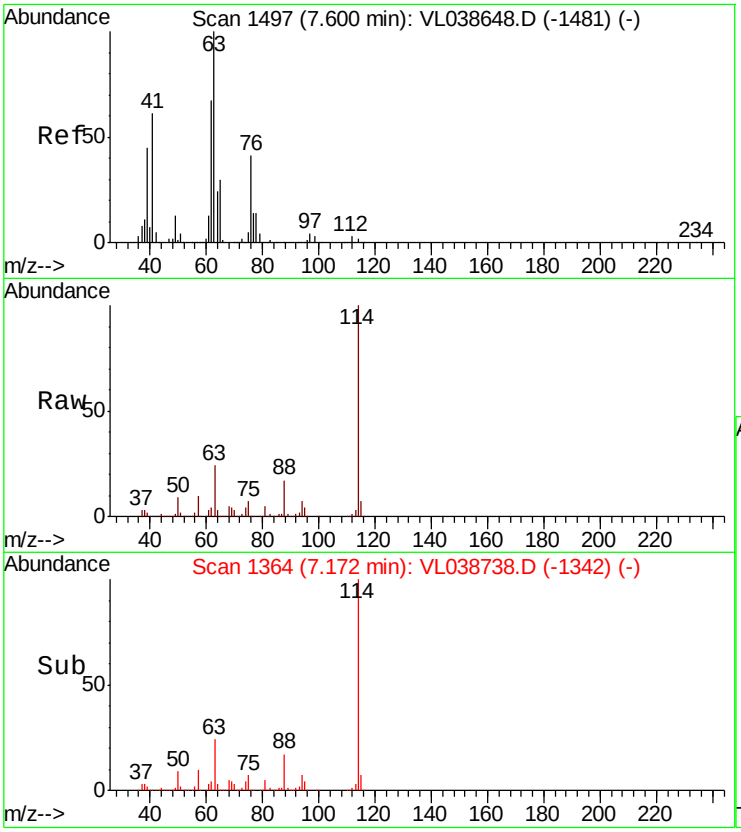


#36
Benzene
Concen: 0.140 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 78 Resp: 21609

Ion	Ratio	Lower	Upper
78	100		
77	19.1	18.1	27.1
50	12.8	13.6	20.4#



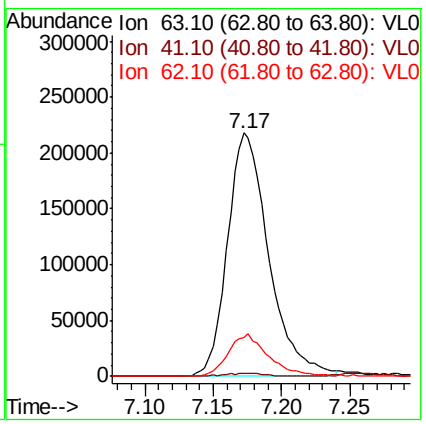


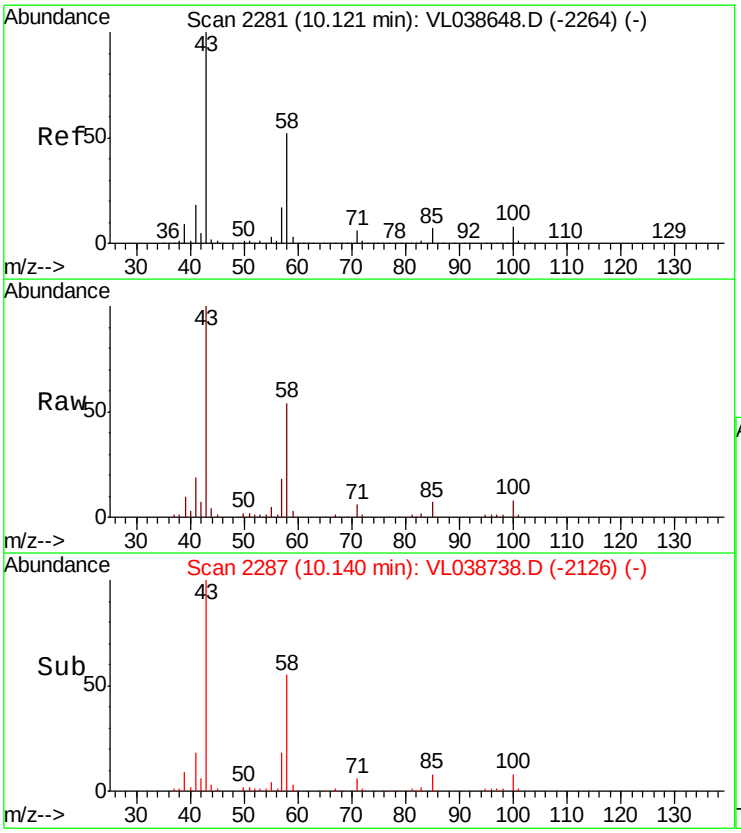
#39
1,2-Dichloropropane
Concen: 7.583 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 458118

Ion	Ratio	Lower	Upper
63	100		
41	0.8	49.0	73.6#
62	16.1	53.9	80.9#

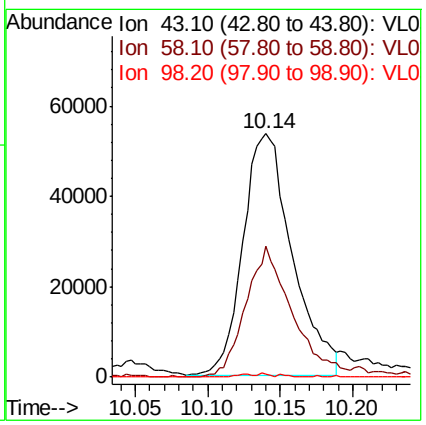


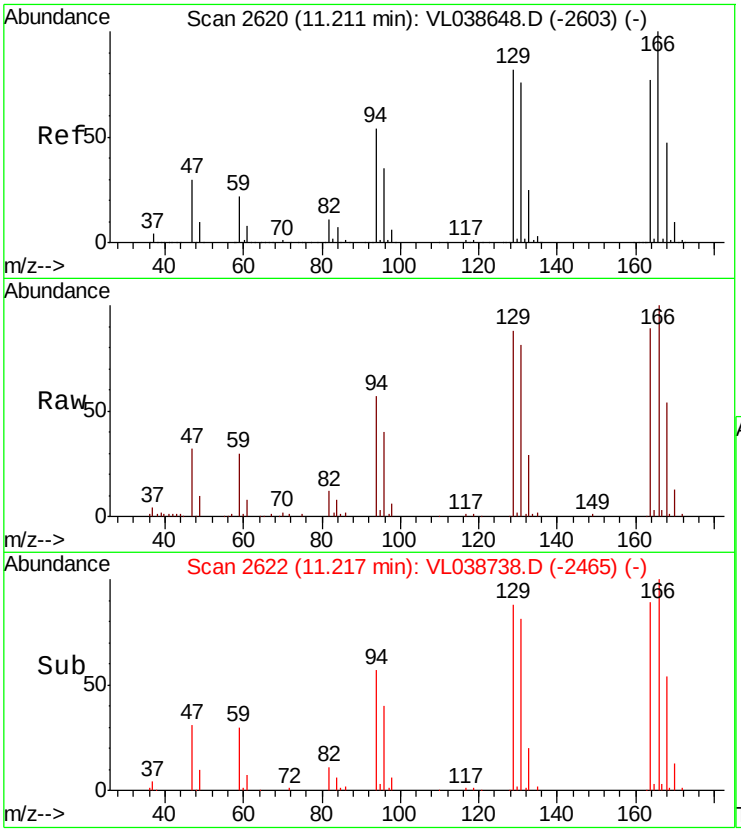


#51
2-Hexanone
Concen: 1.197 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 43 Resp: 126652

Ion	Ratio	Lower	Upper
43	100		
58	54.8	41.2	61.8
98	1.1	0.2	0.4#



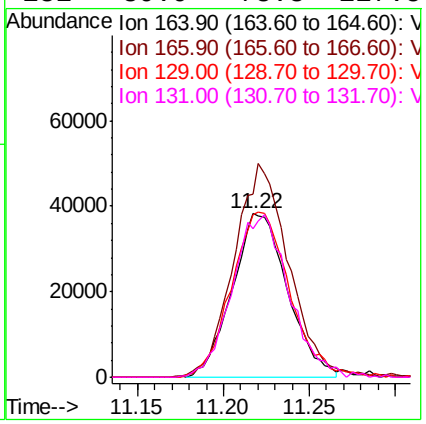


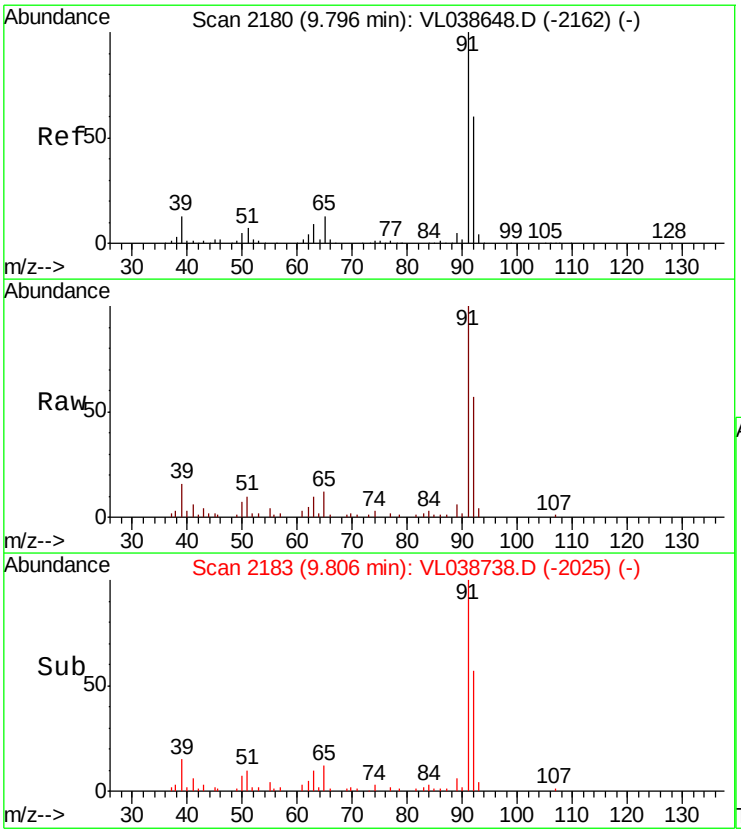
#52
Tetrachloroethene
Concen: 1.507 ppbv
RT: 11.22
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 85207

Ion	Ratio	Lower	Upper
164	100		
166	110.8	103.3	154.9
129	97.9	85.2	127.8
131	89.9	78.3	117.5

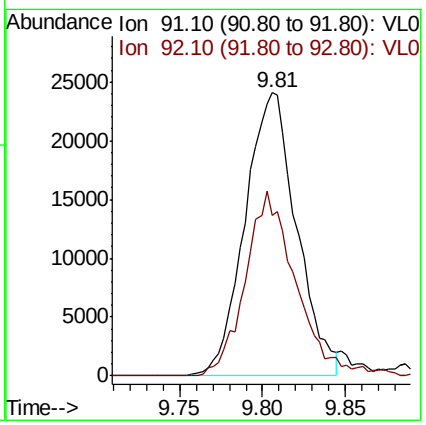


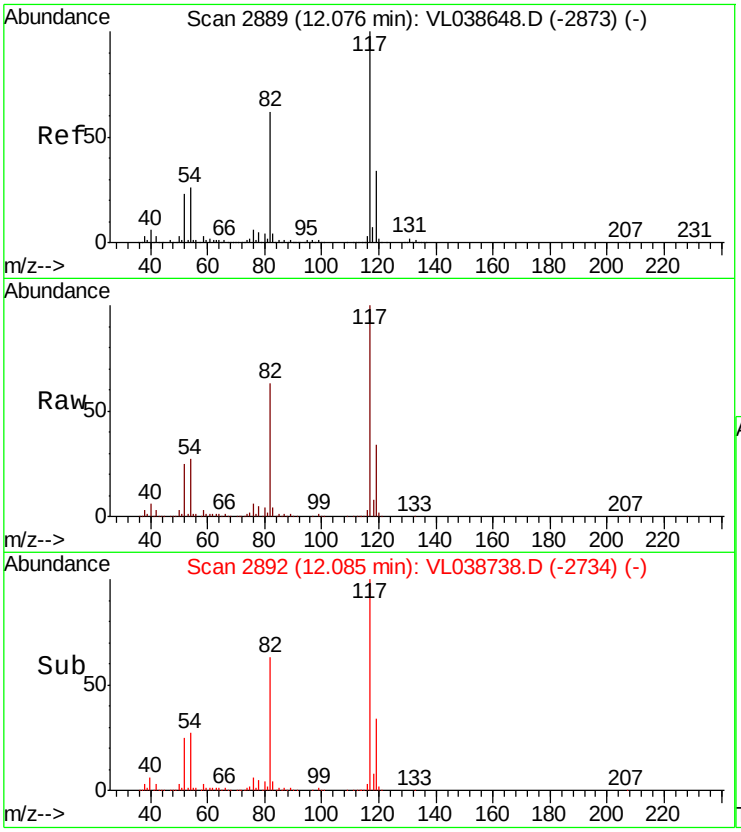


#53
Toluene
Concen: 0.316 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. 0.01 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion: 91 Resp: 52395

Ion	Ratio	Lower	Upper
91	100		
92	63.9	48.7	73.1



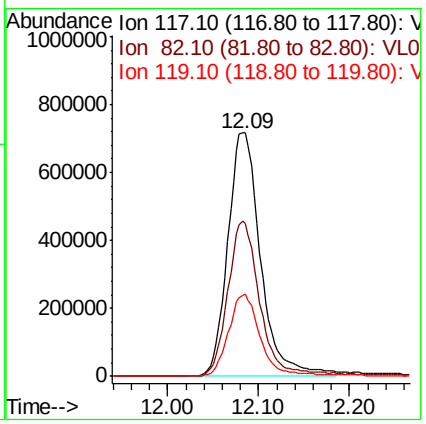


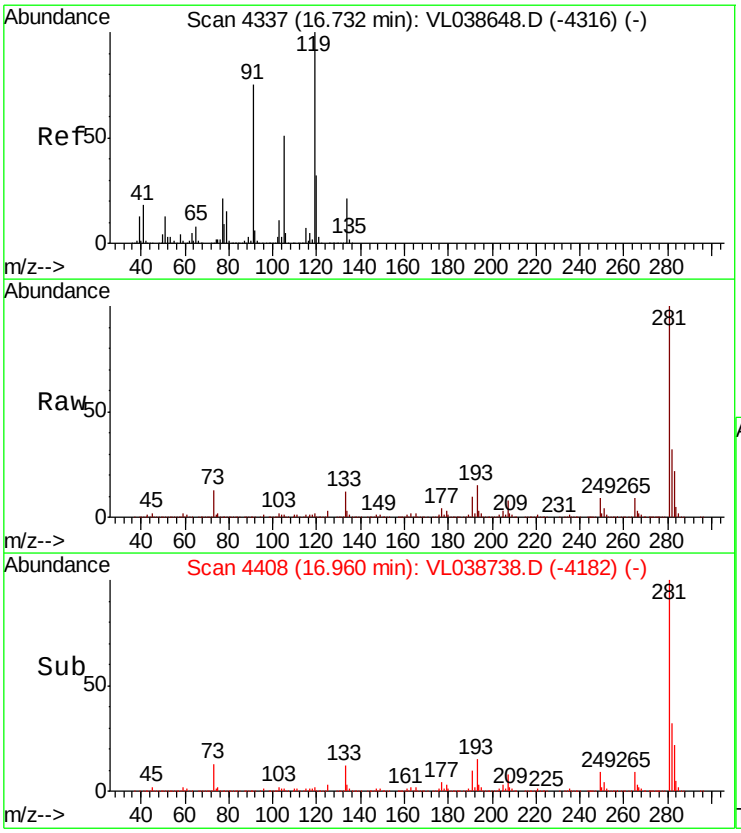
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1799243

Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.6	77.4
119	33.4	26.9	40.3

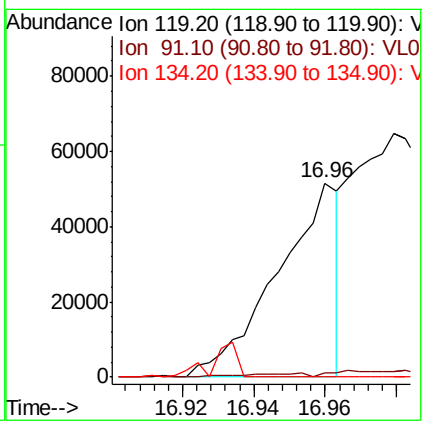


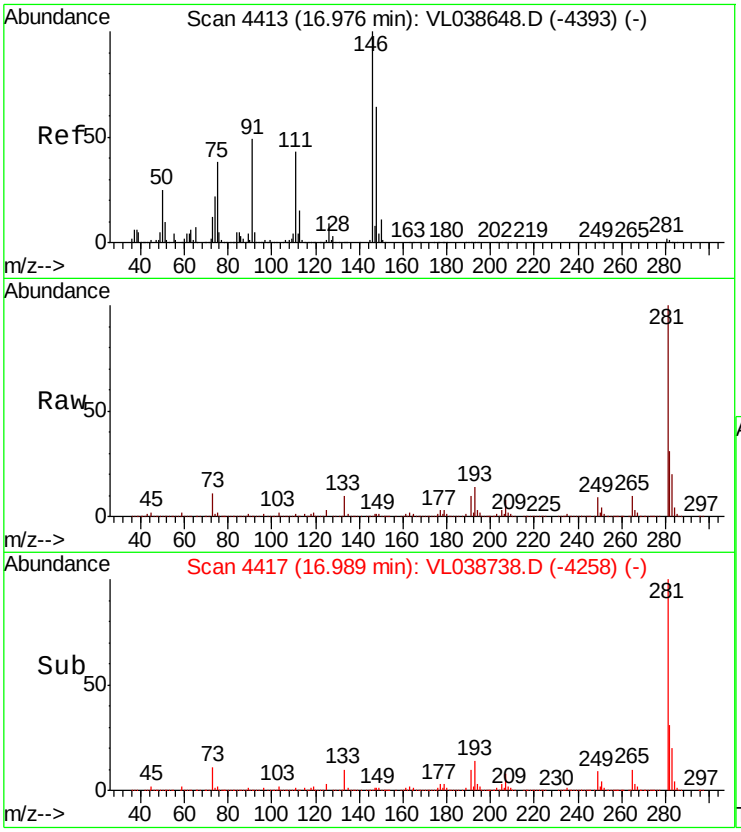


#65
tert-Butylbenzene
Concen: 0.257 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. 0.23 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion:119 Resp: 60712

Ion	Ratio	Lower	Upper
119	100		
91	0.9	61.2	91.8#
134	7.5	16.3	24.5#



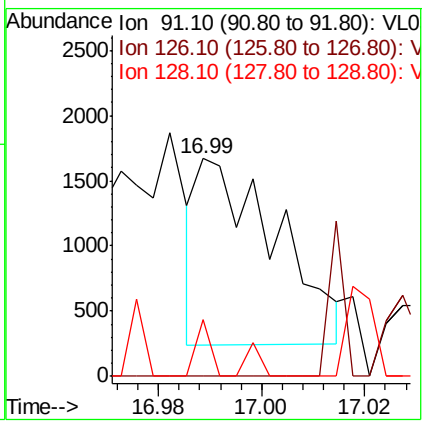


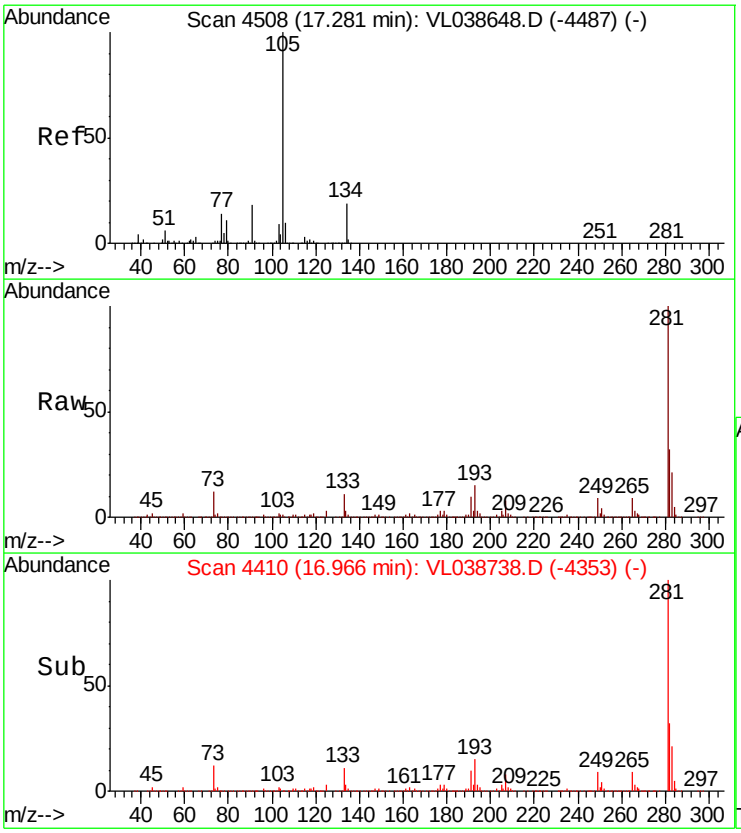
#66
Benzyl Chloride
Concen: 0.034 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1514

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.3	21.5#
128	0.0	4.6	6.8#

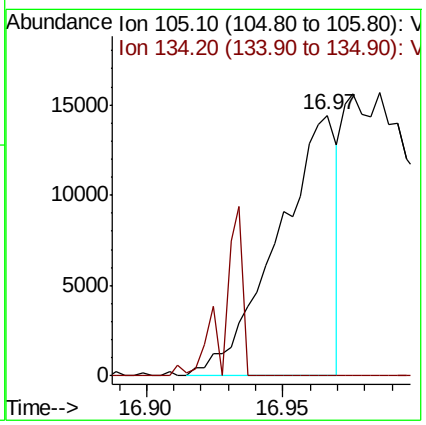


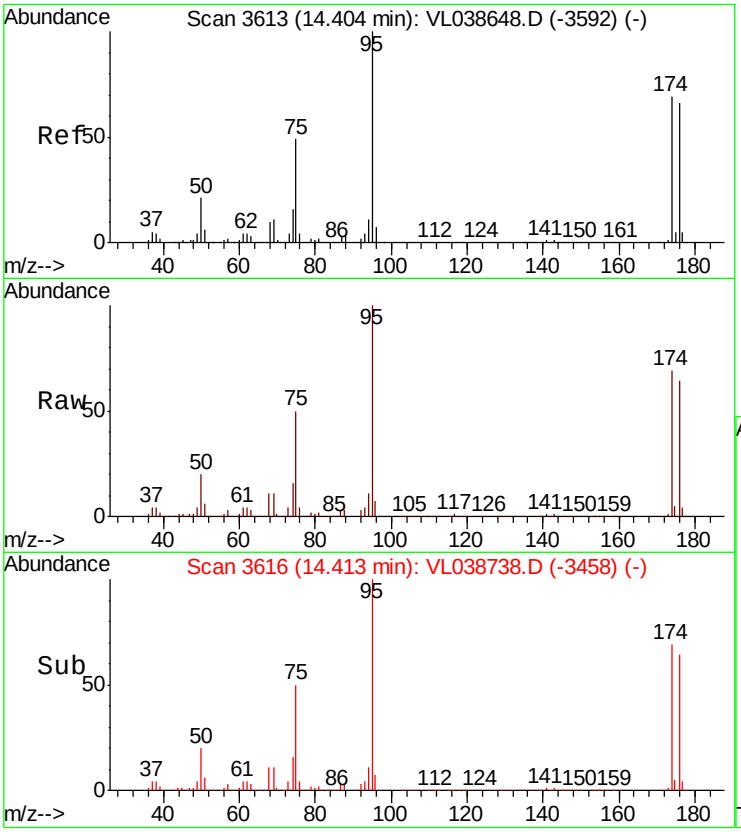


#67
sec-Butylbenzene
Concen: 0.064 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.32 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion:105 Resp: 21588

Ion	Ratio	Lower	Upper
105	100		
134	21.1	15.1	22.7



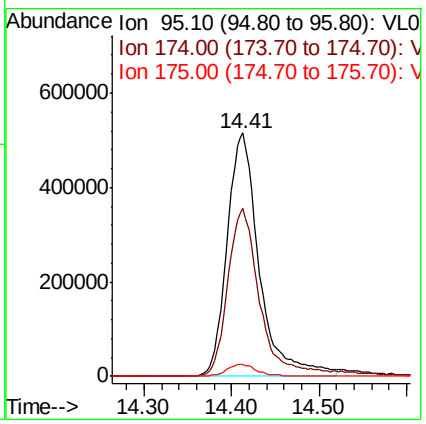


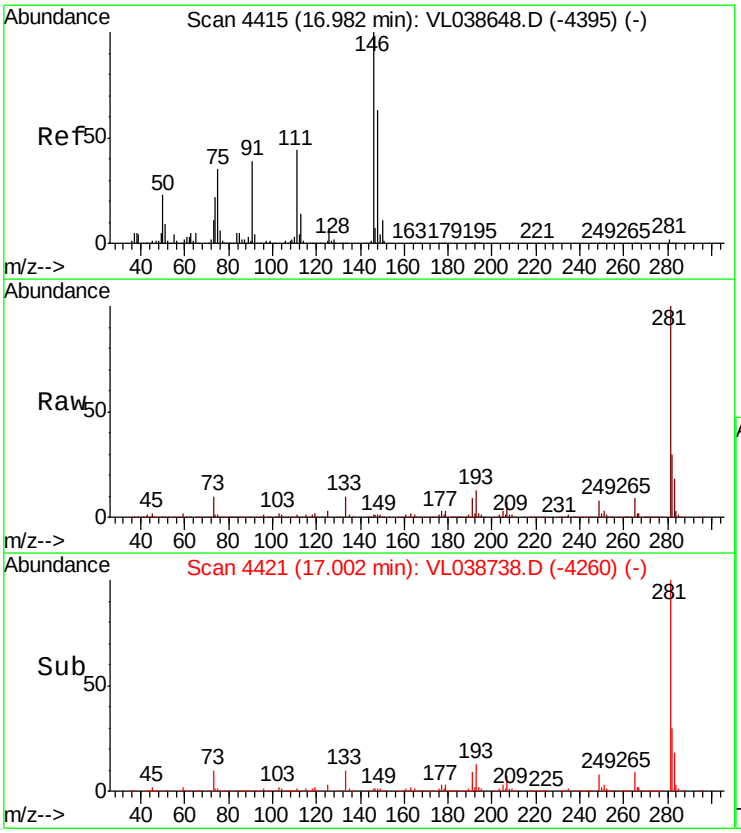
#68
1-Bromo-4-Fluorobenzene
Concen: 9.537 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 24 Mar 2022 5:48

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1315577

Ion	Ratio	Lower	Upper
95	100		
174	71.2	56.1	84.1
175	4.9	4.2	6.2





#75
1,3-Dichlorobenzene
Concen: 0.212 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.02 min
Lab File: VL038738.D
Acq: 24 Mar 2022 5:48

Tgt Ion:146 Resp: 27641

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.2	66.6#
148	0.0	32.5	97.5#