Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038722.D
Acq On : 23 Mar 2022 19:11
Operator : SY/AP
Sample : N2047-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 24 04:34:54 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	5.65	49	757511	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2043495	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	1931673	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1400778	9.46	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	26442	0.260	ppbv		90
3) Chlorodifluoromethane	2.99	51	43905	0.549	ppbv	#	85
4) Chloromethane	3.13	50	10499	0.239	ppbv		95
9) Propene	3.01	41	75311	1.950	ppbv		83
11) Trichlorofluoromethane	3.94	101	24509	0.273	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5832	0.084	ppbv		90
13) Ethanol	3.59	45	142096	33.350	ppbv		100
15) Acetone	3.84	43	842731	12.893	ppbv		91
16) 1,3-Butadiene	3.30	39	78364	2.113	ppbv	#	15
17) tert-Butyl alcohol	4.29	59	22937	0.402	ppbv	#	91
19) Isopropyl Alcohol	3.96	45	30329	0.837	ppbv	#	1
20) Methylene Chloride	4.34	84	124088	4.507	ppbv		92
23) Vinyl Acetate	5.05	43	43607	0.689	ppbv	#	80
25) Ethyl Acetate	5.67	43	57637	0.350	ppbv	#	81
26) Hexane	5.67	57	78927	1.071	ppbv	#	37
27) Carbon Disulfide	4.55	76	6878	0.095	ppbv	#	82
29) Chloroform	5.74	83	48408	0.410	ppbv		98
31) cis-1,2-Dichloroethene	5.54	61	7116	0.103	ppbv	#	83
34) 2-Butanone	5.23	43	657150	8.125	ppbv		97
35) Carbon Tetrachloride	7.01	117	3776	0.032	ppbv	#	37
36) Benzene	6.88	78	13551	0.086	ppbv	#	89
38) Trichloroethene	7.82	130	23997	0.363	ppbv		88
39) 1,2-Dichloropropane	7.16	63	465358	7.548	ppbv	#	28
51) 2-Hexanone	10.13	43	67873	0.628	ppbv	#	96
52) Tetrachloroethene	11.22	164	6471769	112.134	ppbv		95
53) Toluene	9.79	91	68259	0.403	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.10	131	3441	0.043	ppbv	#	8
60) o-Xylene	13.67	91	8731	0.047	ppbv		72
65) tert-Butylbenzene	16.96	119	223376	0.882	ppbv	#	24
66) Benzyl Chloride	16.96	91	1935	0.040	ppbv	#	61
71) 2-Chlorotoluene	15.29	91	146881	0.702	ppbv	#	42
74) 1,2,4-Trimethylbenzene	16.74	105	13440	0.061	ppbv	#	73
75) 1,3-Dichlorobenzene	16.98	146	10548	0.075	ppbv	#	1
80) Naphthalene,2-methyl-	24.95	142	1440	0.032	ppbv	#	25

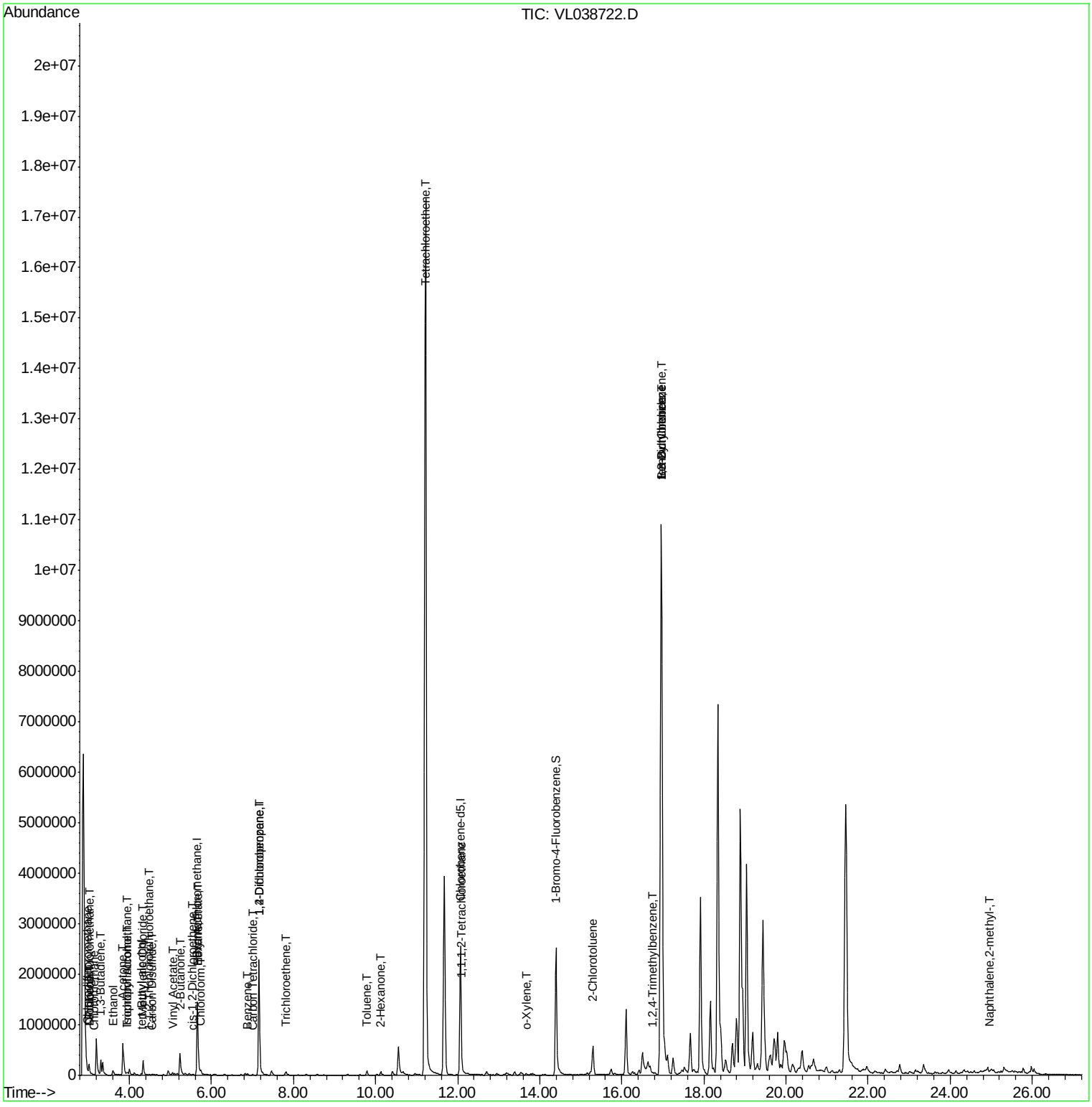
(#) = qualifier out of range (m) = manual integration (+) = signals summed

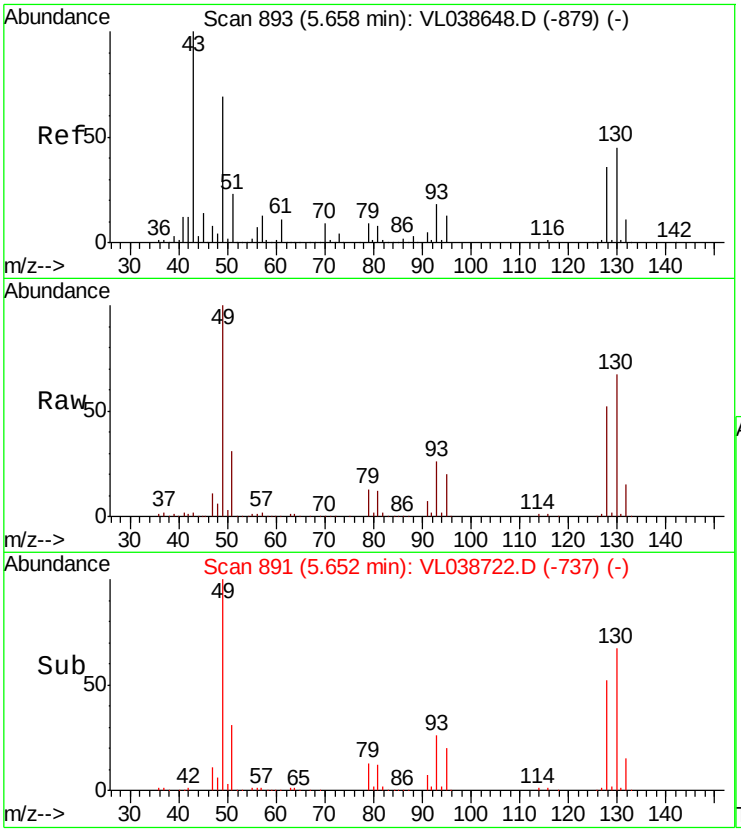
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038722.D
Acq On : 23 Mar 2022 19:11
Operator : SY/AP
Sample : N2047-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 24 04:34:54 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



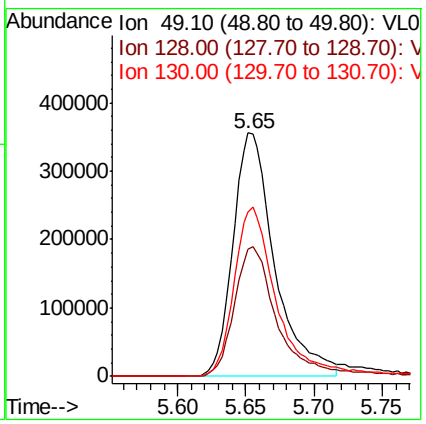


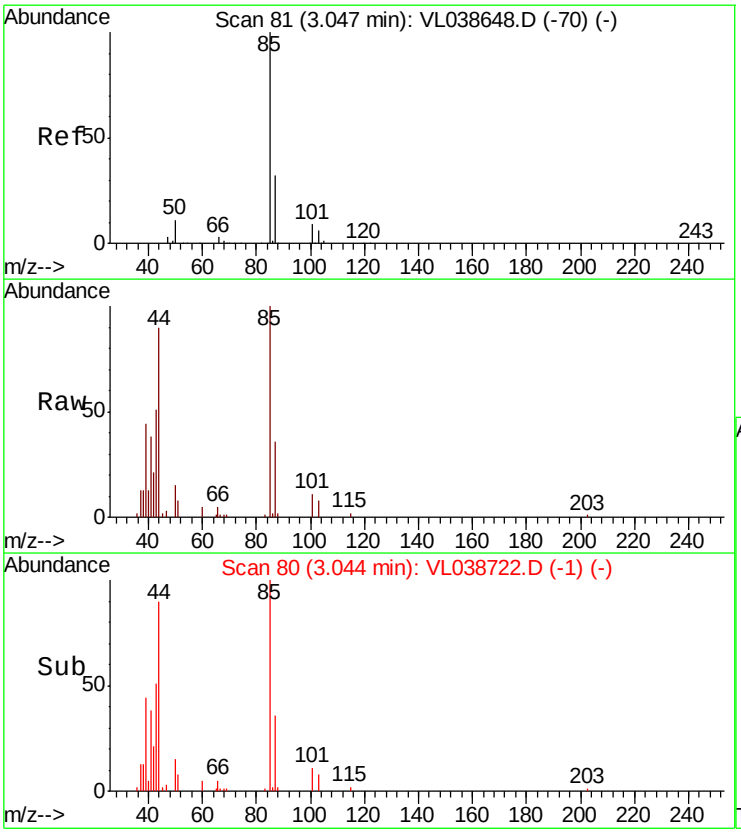
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 757511

Ion	Ratio	Lower	Upper
49	100		
128	56.1	26.2	78.6
130	73.3	33.7	101.1

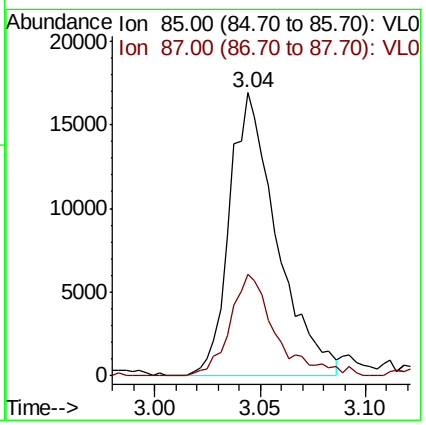


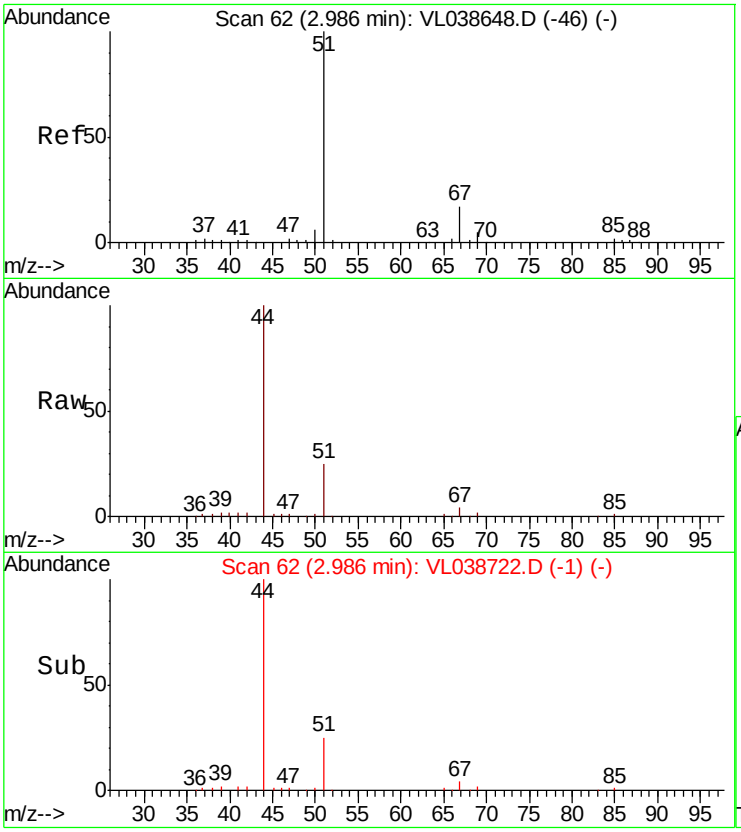


#2
Dichlorodifluoromethane
Concen: 0.260 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 85 Resp: 26442

Ion	Ratio	Lower	Upper
85	100		
87	38.4	26.0	39.0



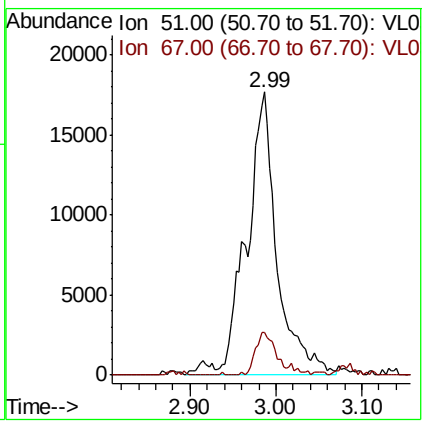


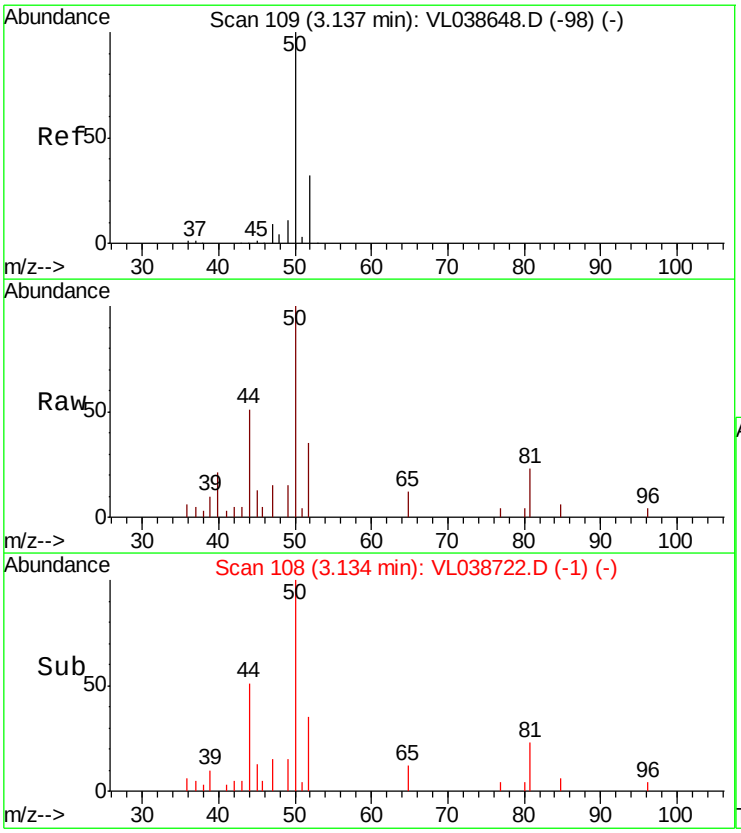
#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 43905

Ion	Ratio	Lower	Upper
51	100		
67	11.0	14.1	21.1#

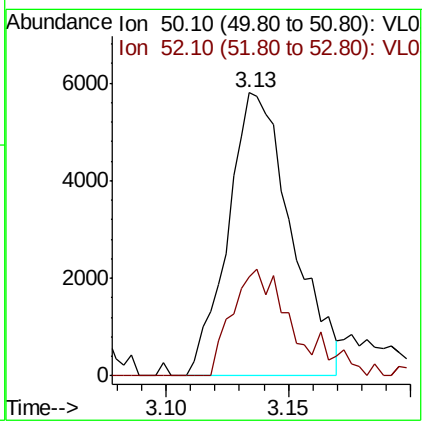


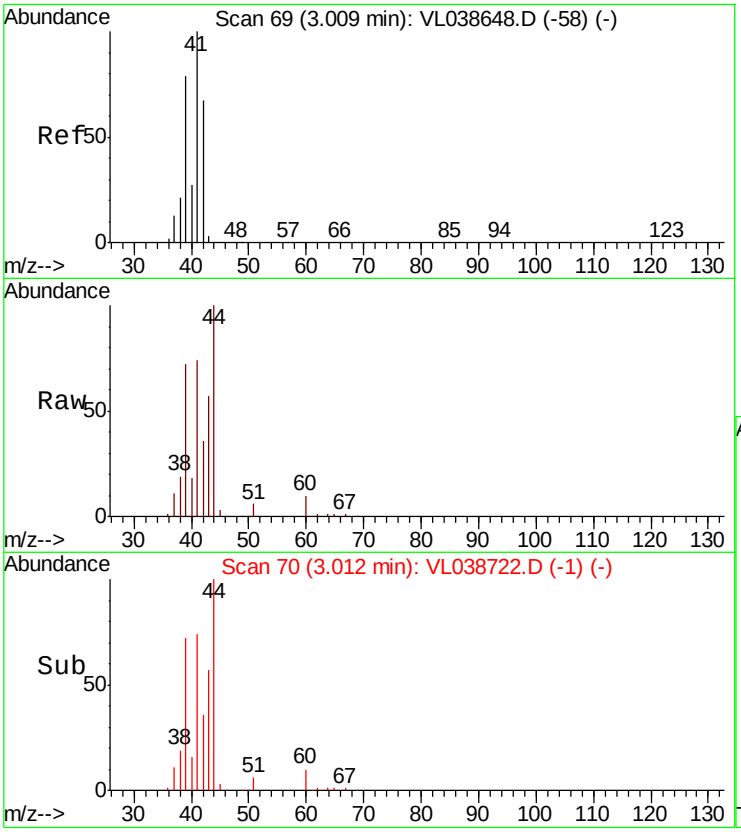


#4
Chloromethane
Concen: 0.239 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 50 Resp: 10499

Ion	Ratio	Lower	Upper
50	100		
52	34.9	25.5	38.3



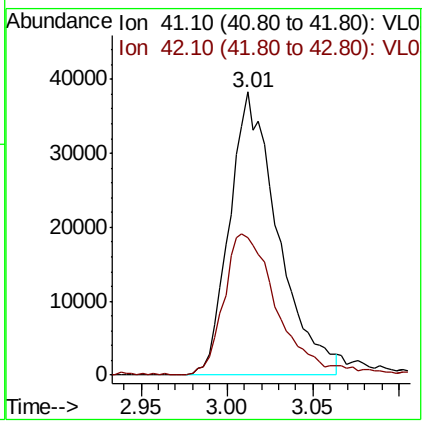


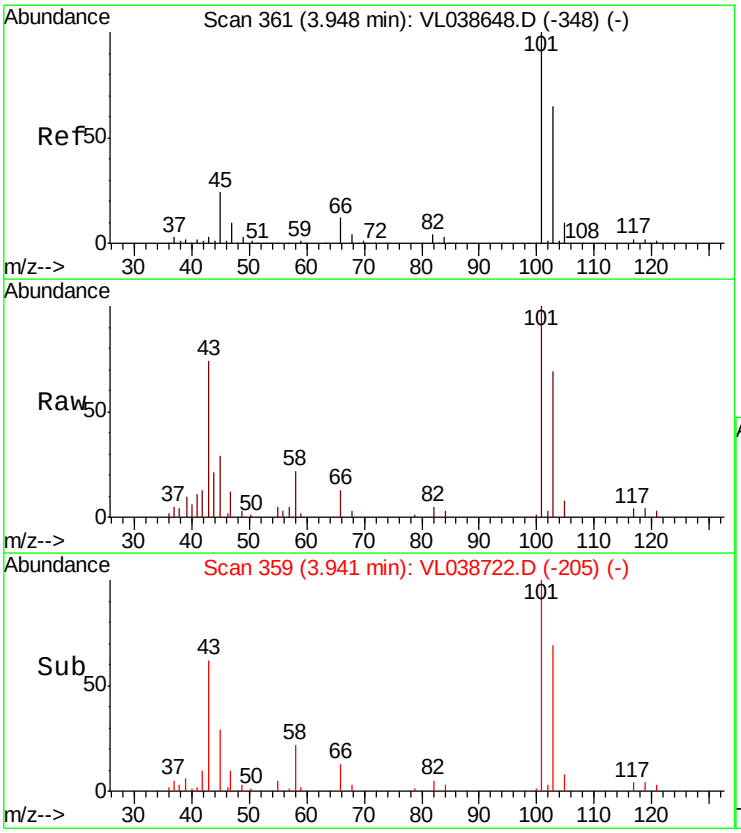
#9
Propene
Concen: 1.950 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 75311

Ion	Ratio	Lower	Upper
41	100		
42	56.3	56.2	84.4

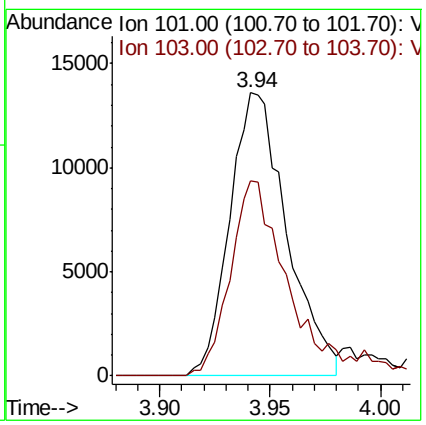


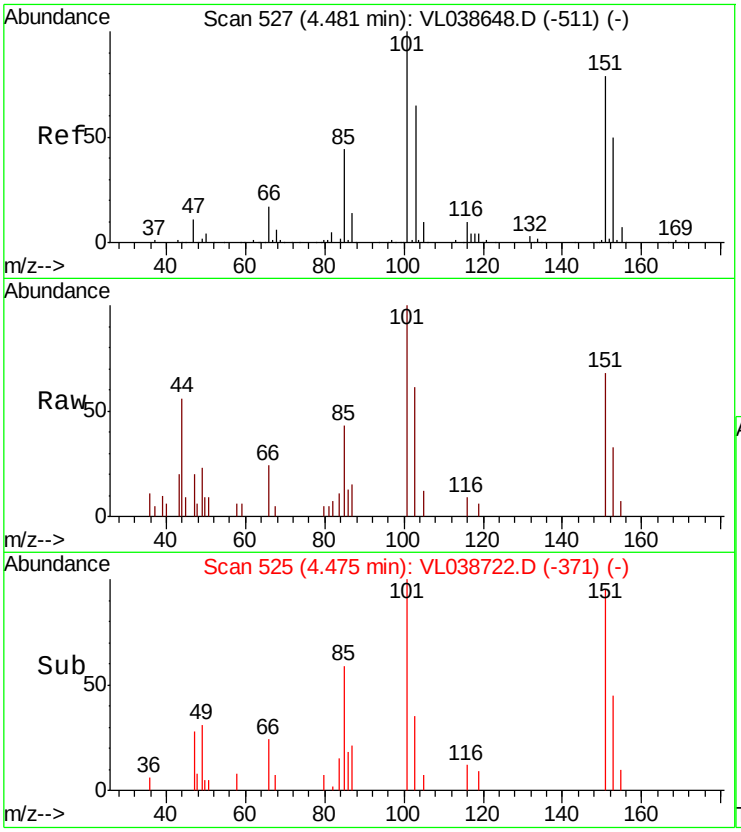


#11
Trichlorofluoromethane
Concen: 0.273 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:101 Resp: 24509

Ion	Ratio	Lower	Upper
101	100		
103	68.8	51.9	77.9



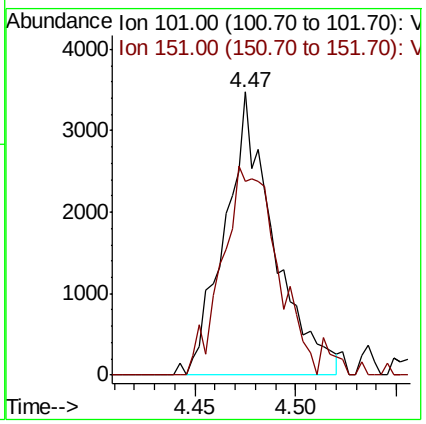


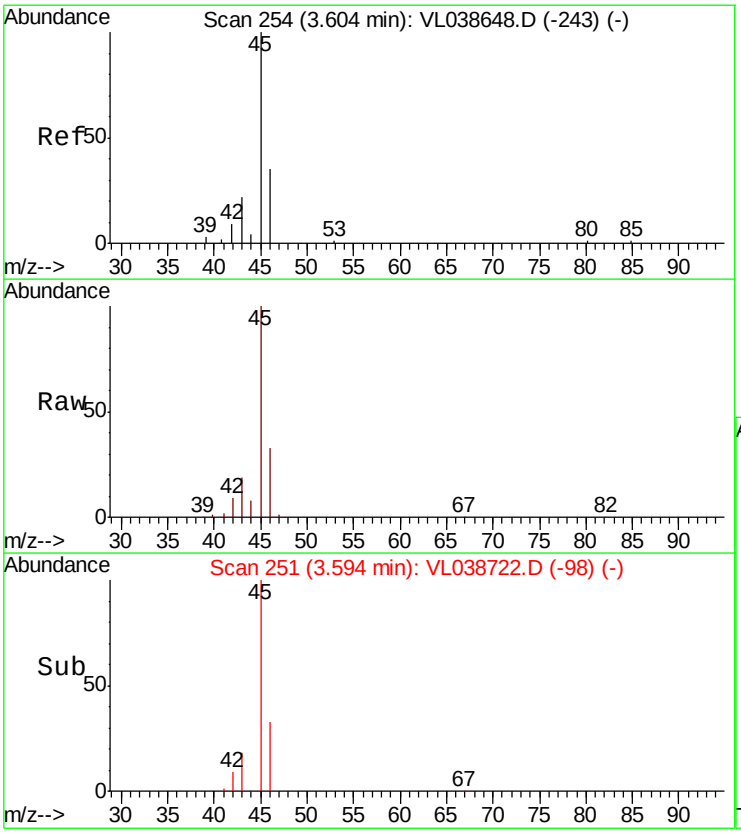
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.084 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 5832

Ion	Ratio	Lower	Upper
101	100		
151	87.7	62.9	94.3

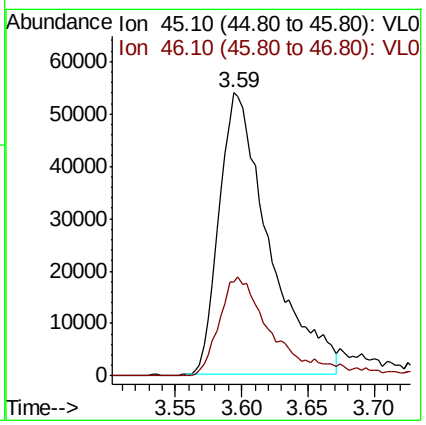


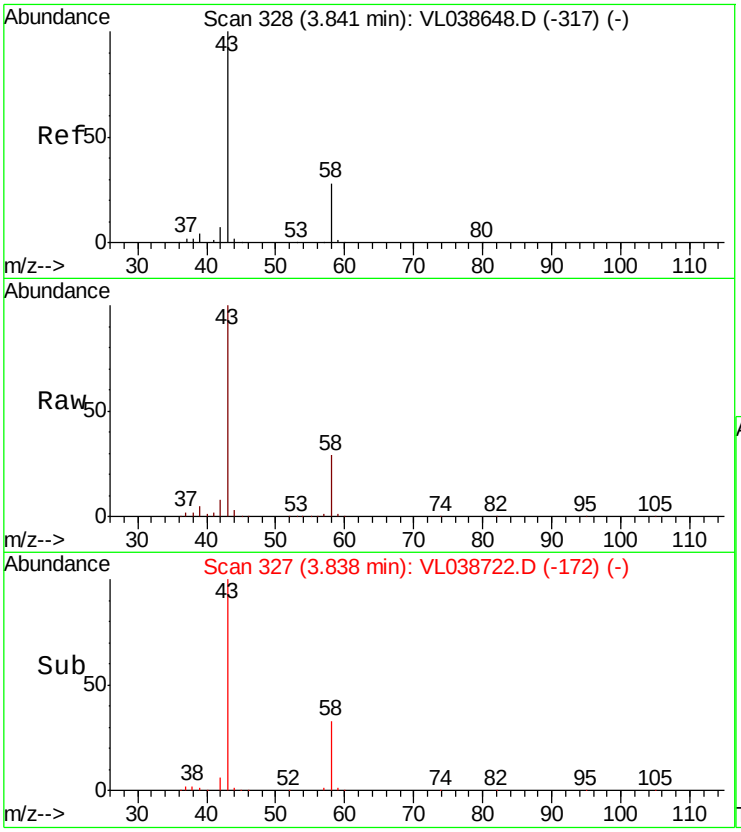


#13
Ethanol
Concen: 33.350 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 45 Resp: 142096

Ion	Ratio	Lower	Upper
45	100		
46	38.0	15.1	60.5



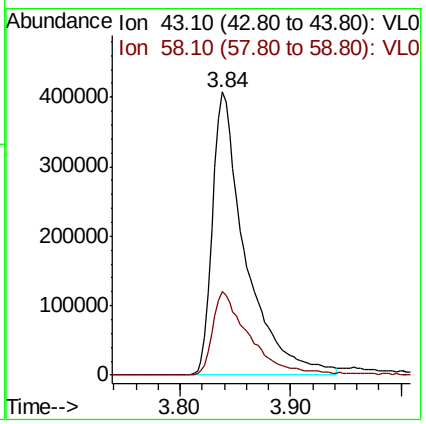


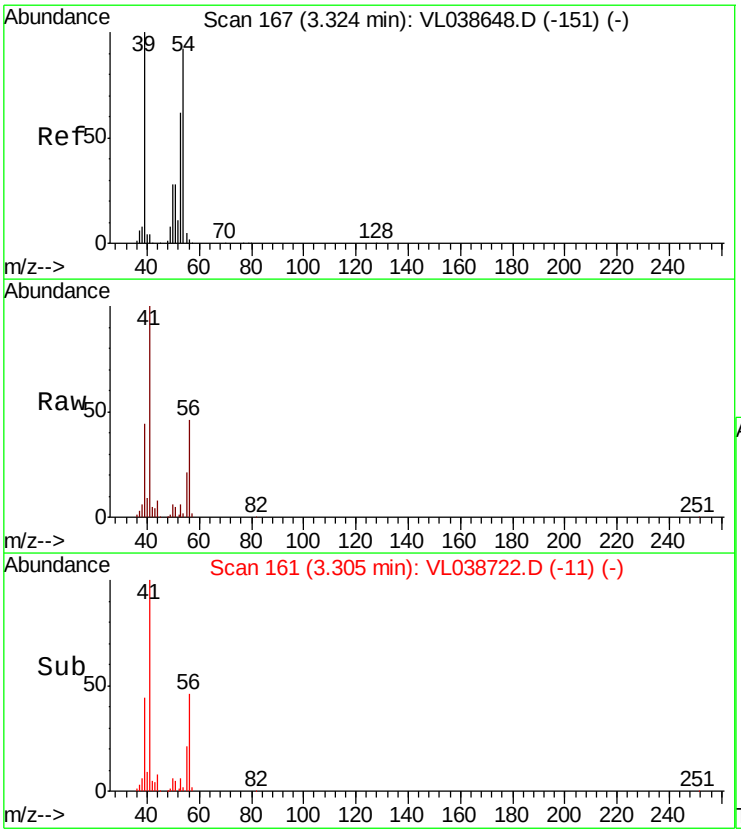
#15
Acetone
Concen: 12.893 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 842731

Ion	Ratio	Lower	Upper
43	100		
58	34.1	23.3	34.9

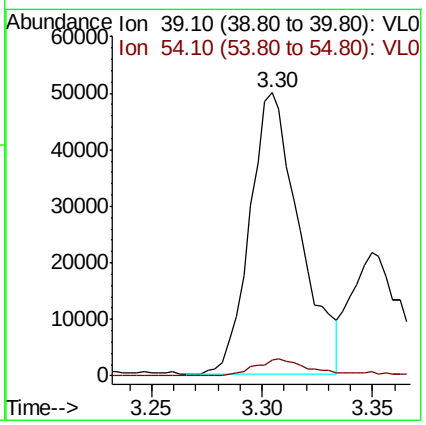


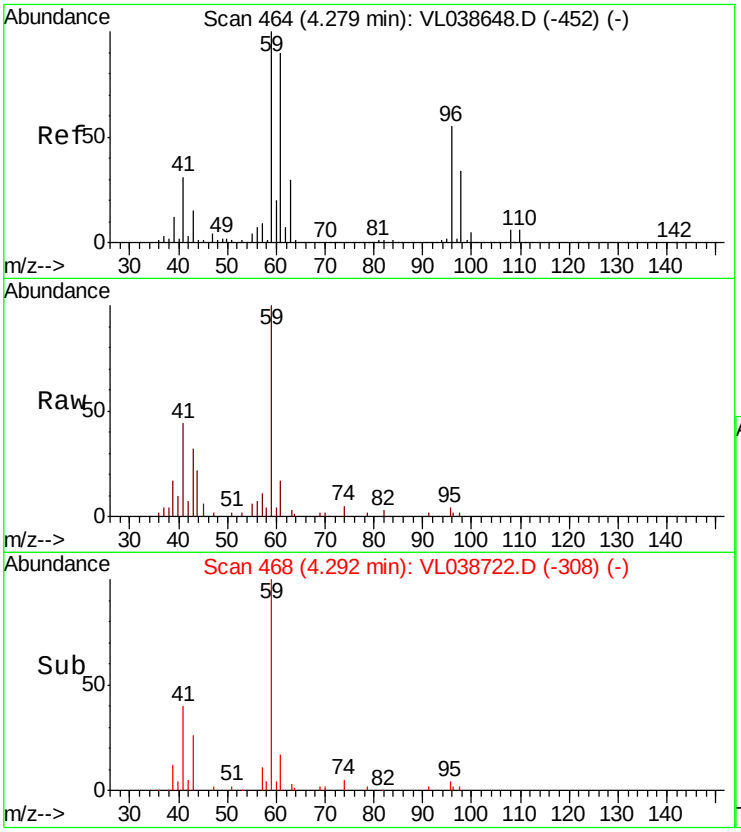


#16
1,3-Butadiene
Concen: 2.113 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 39 Resp: 78364

Ion	Ratio	Lower	Upper
39	100		
54	7.7	69.1	103.7#



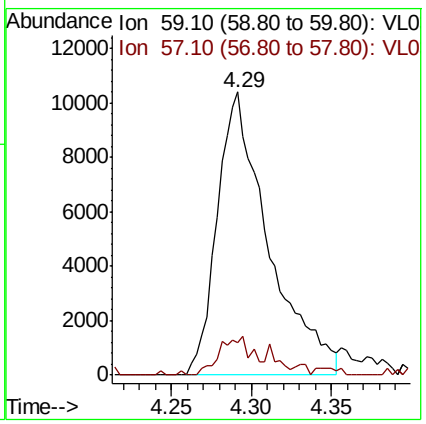


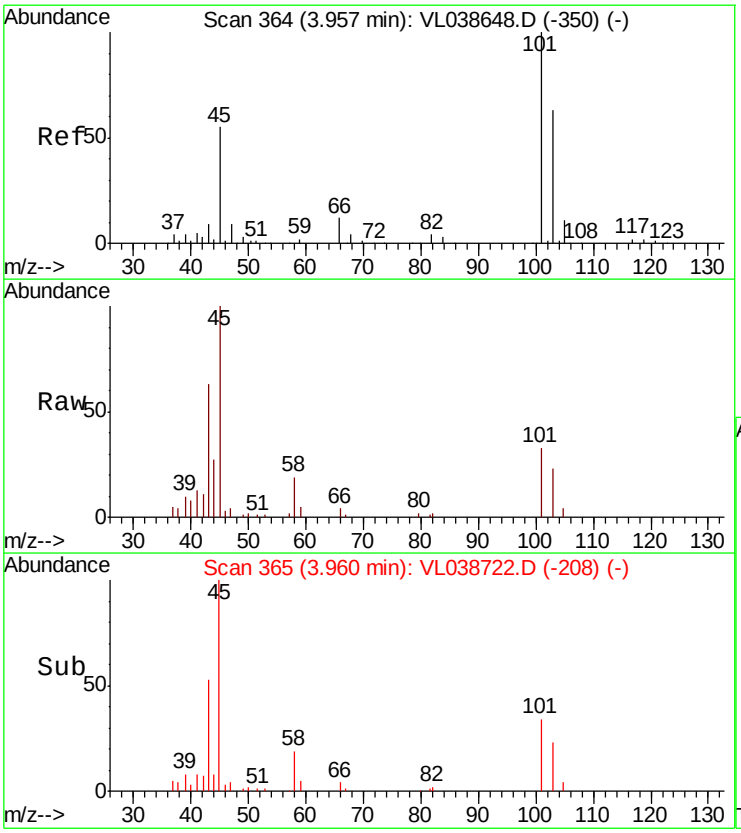
#17
tert-Butyl alcohol
Concen: 0.402 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 22937

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.2	12.2#

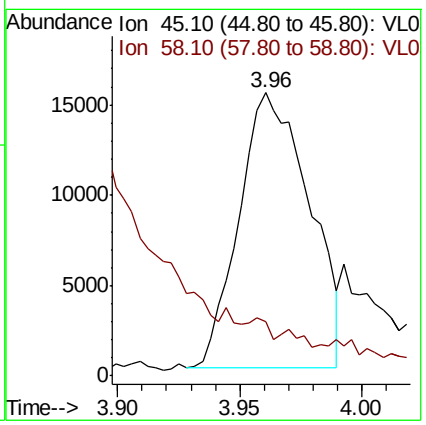


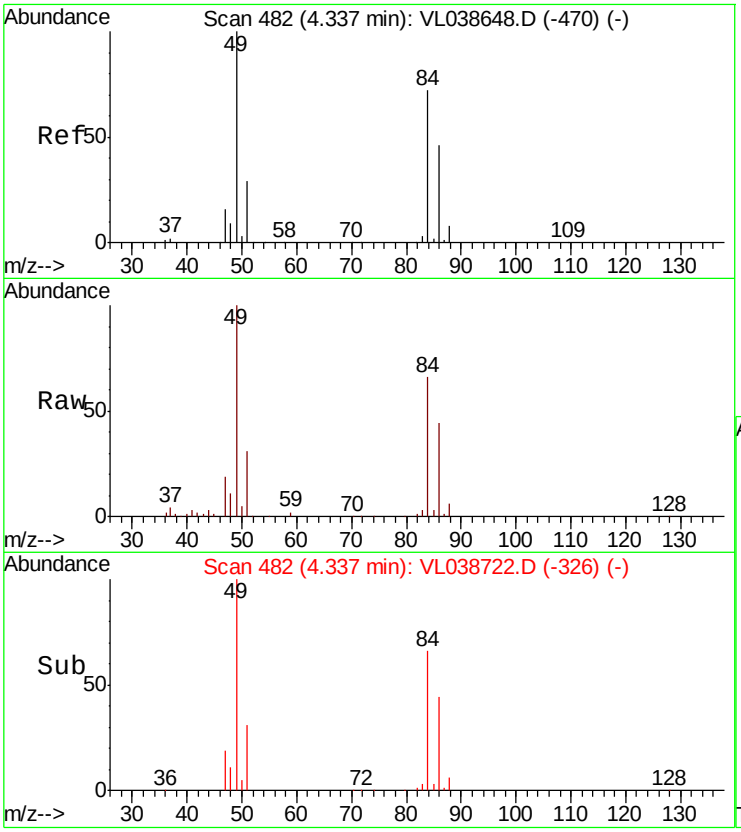


#19
Isopropyl Alcohol
Concen: 0.837 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 45 Resp: 30329

Ion	Ratio	Lower	Upper
45	100		
58	948.5	2.3	3.5#



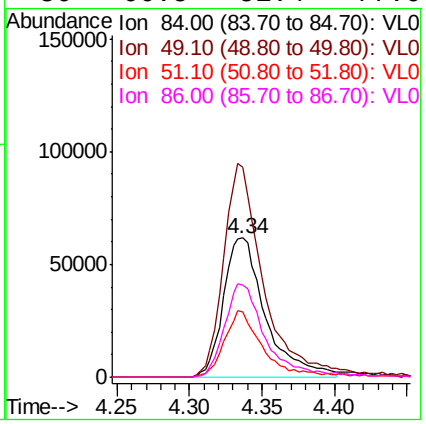


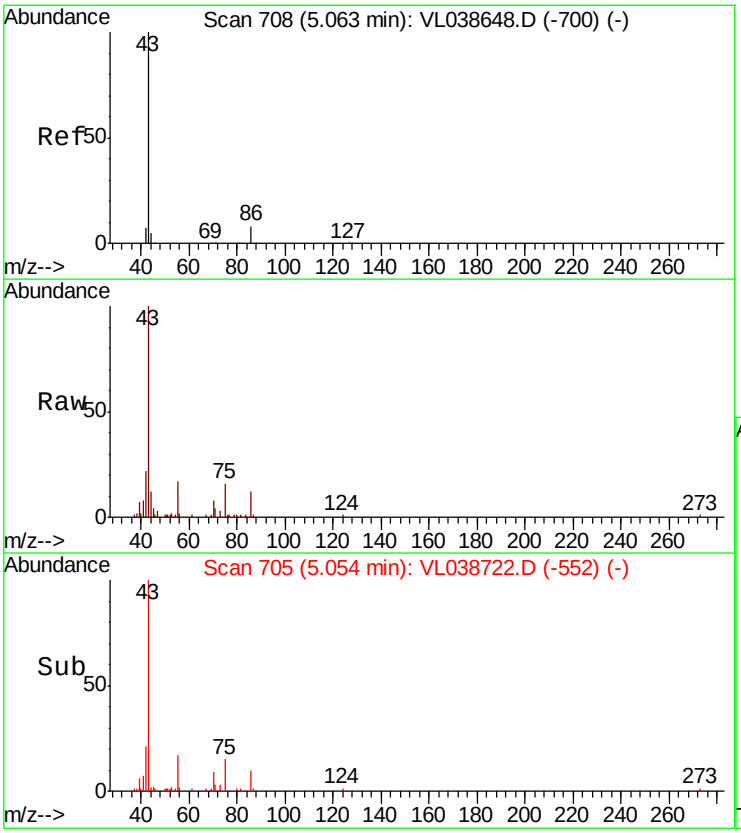
#20
Methylene Chloride
Concen: 4.507 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 124088

Ion	Ratio	Lower	Upper
84	100		
49	149.9	111.2	166.8
51	47.0	32.8	49.2
86	66.5	51.4	77.0

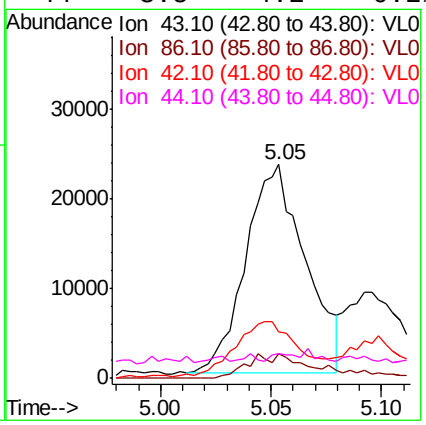


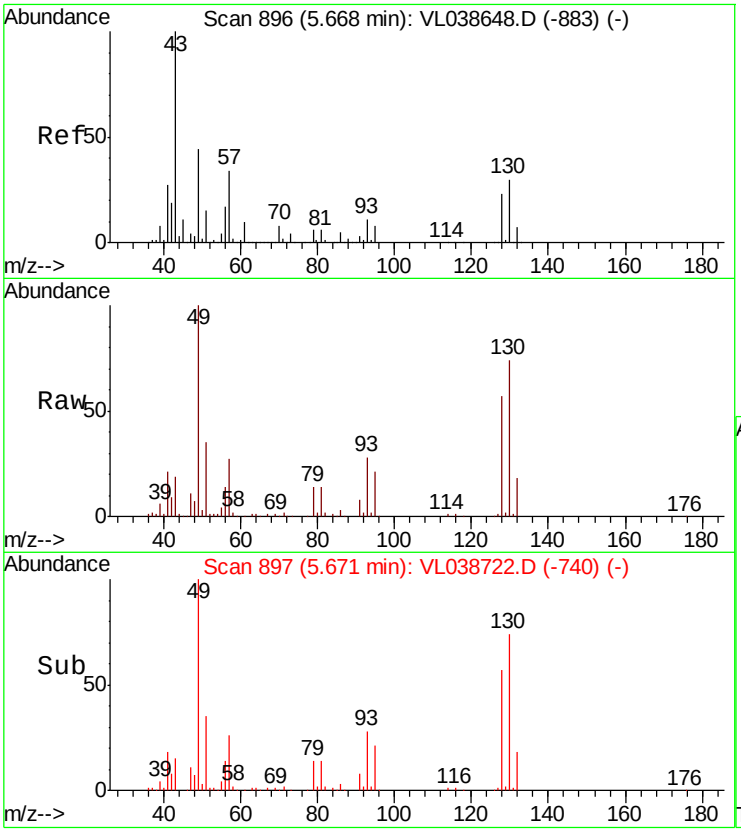


#23
Vinyl Acetate
Concen: 0.689 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 43 Resp: 43607

Ion	Ratio	Lower	Upper
43	100		
86	11.8	5.6	8.4#
42	20.7	6.8	10.2#
44	3.5	4.2	6.2#



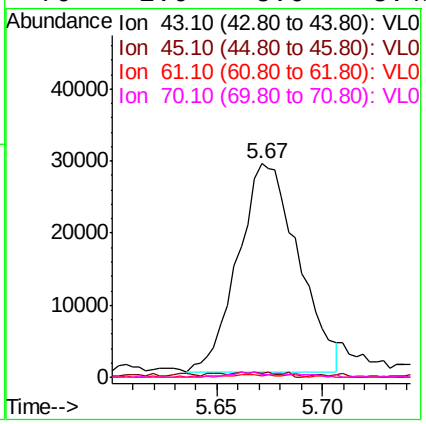


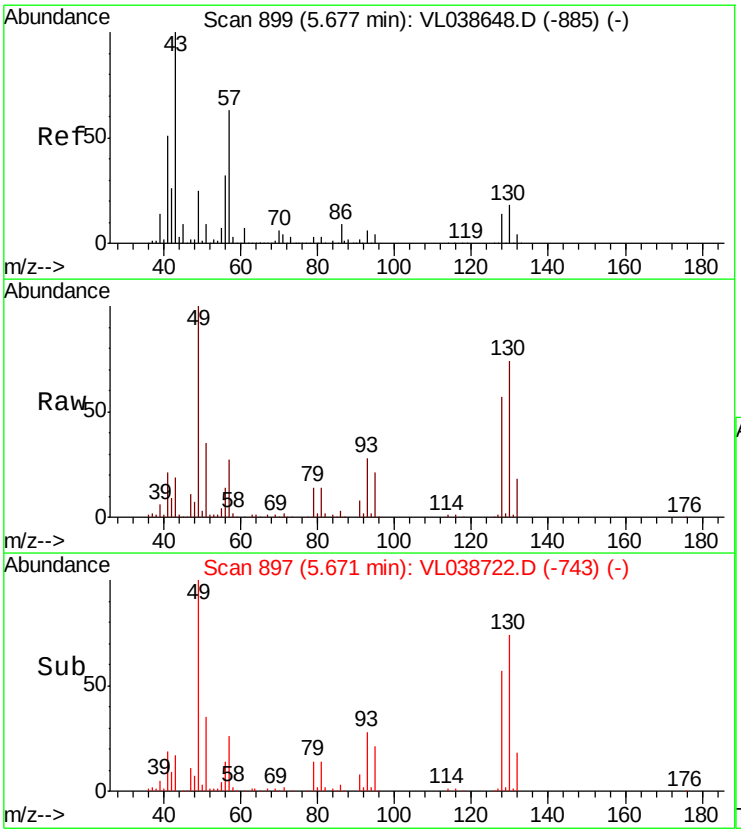
#25
Ethyl Acetate
Concen: 0.350 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 57637

Ion	Ratio	Lower	Upper
43	100		
45	3.7	8.2	12.4#
61	1.6	8.3	12.5#
70	2.6	5.6	8.4#

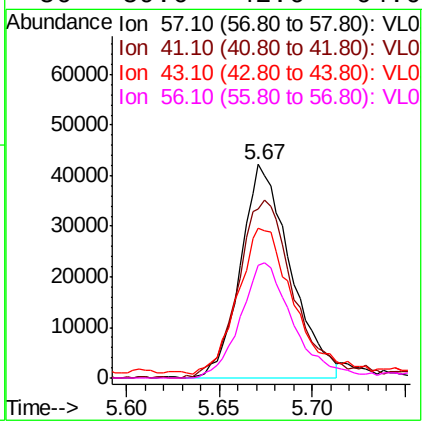


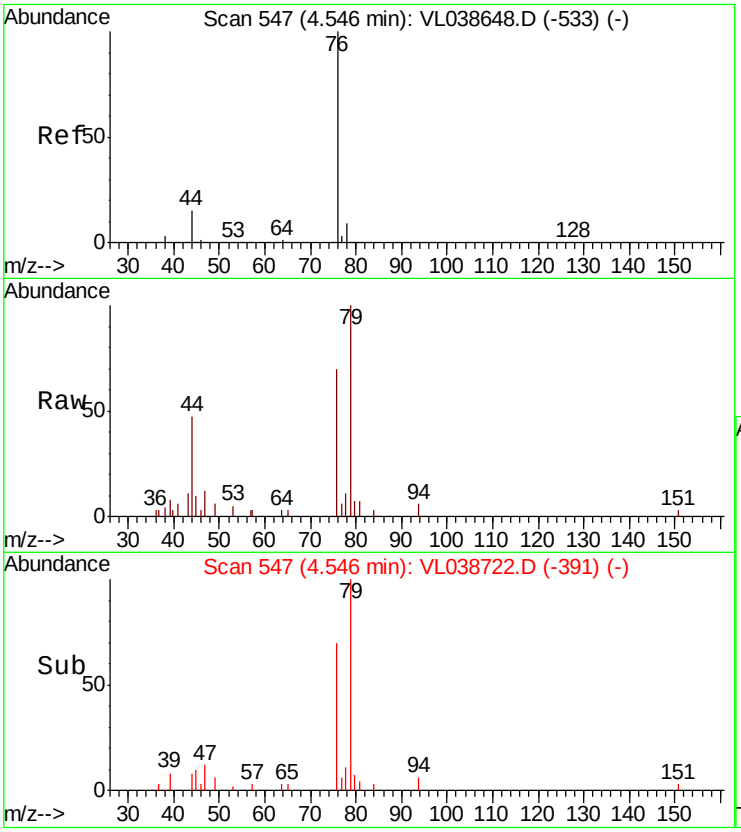


#26
Hexane
Concen: 1.071 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 57 Resp: 78927

Ion	Ratio	Lower	Upper
57	100		
41	98.0	67.0	100.4
43	77.7	184.2	276.2#
56	59.6	42.6	64.0



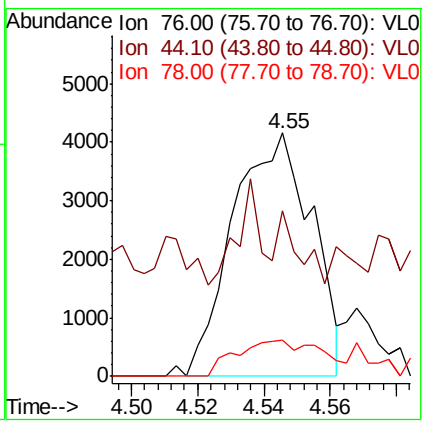


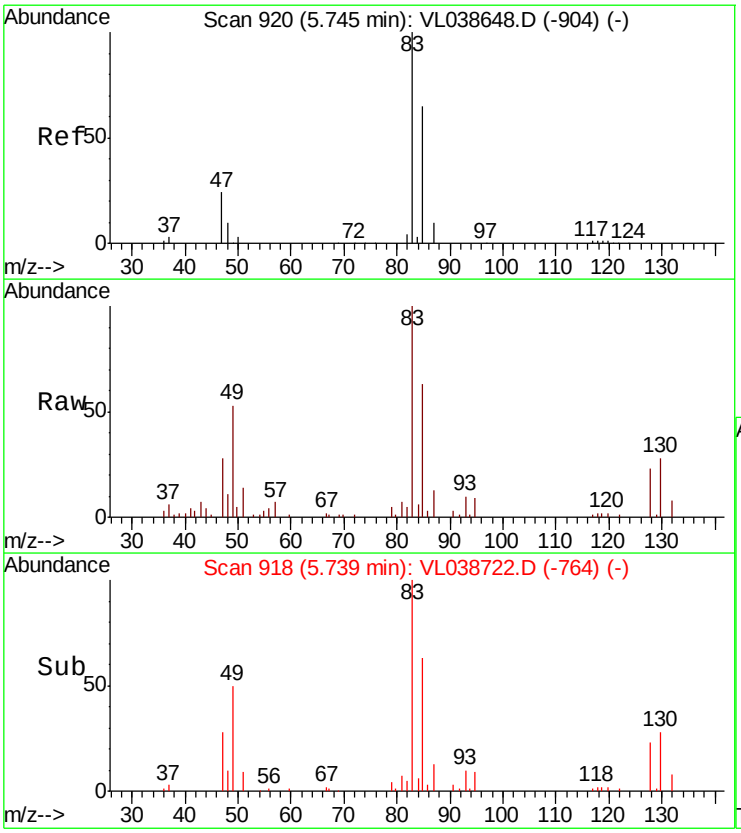
#27
Carbon Disulfide
Concen: 0.095 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 6878

Ion	Ratio	Lower	Upper
76	100		
44	18.9	12.4	18.6#
78	21.7	7.8	11.8#

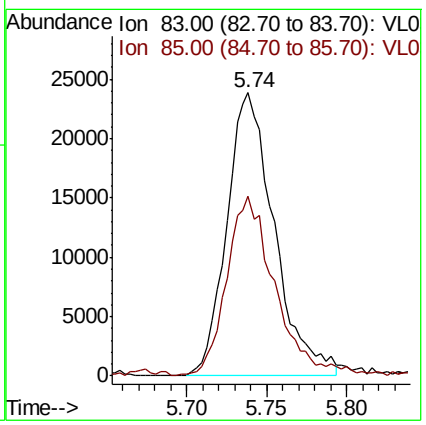


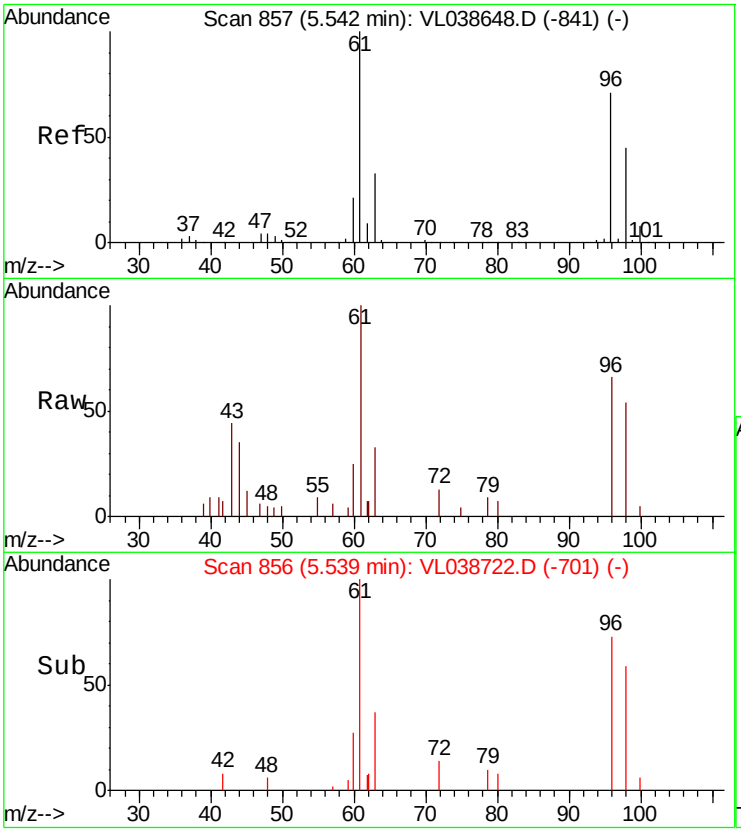


#29
Chloroform
Concen: 0.410 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 83 Resp: 48408

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.7	77.5



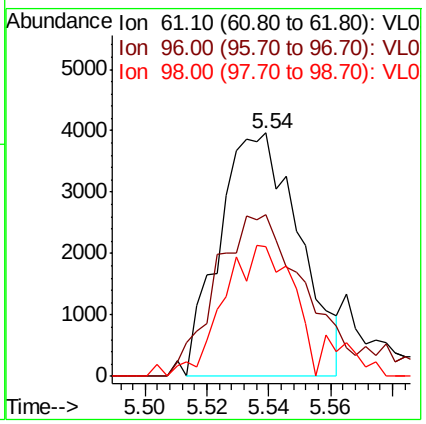


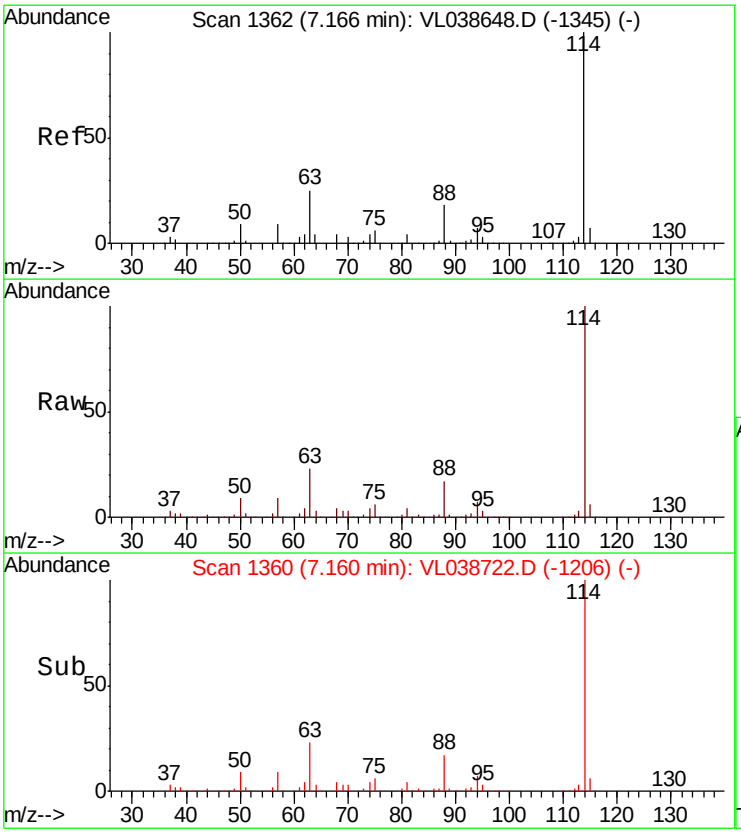
#31
cis-1,2-Dichloroethene
Concen: 0.103 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 7116

Ion	Ratio	Lower	Upper
61	100		
96	49.0	56.6	84.8#
98	44.4	36.3	54.5

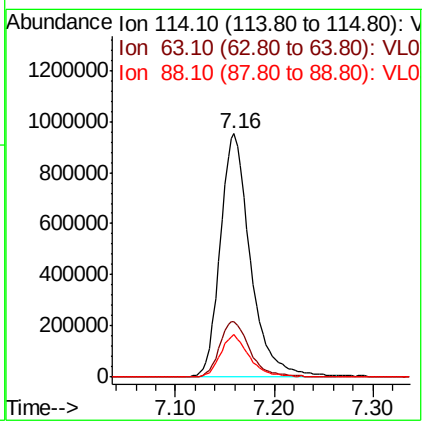


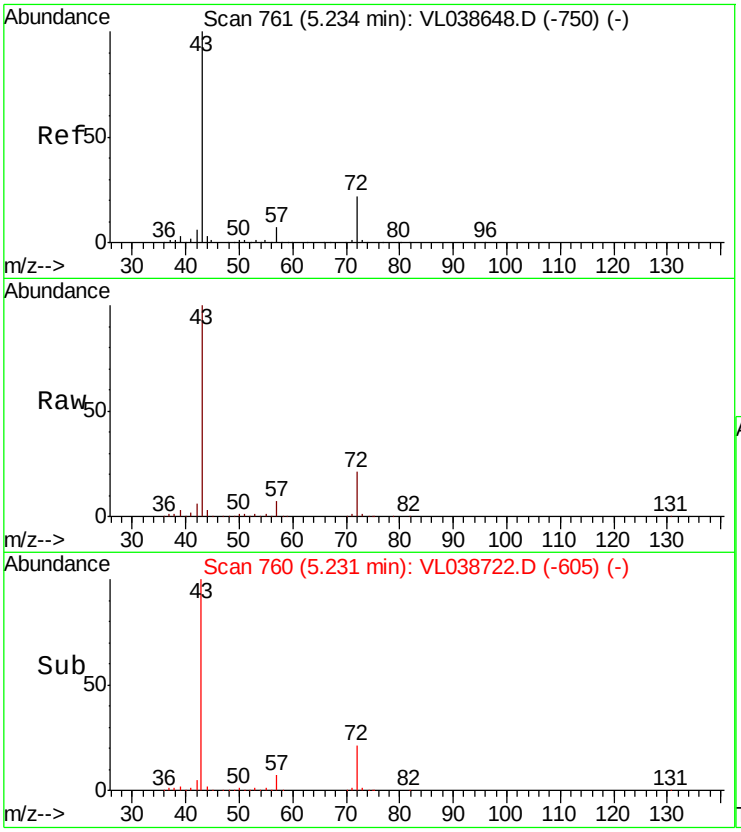


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:114 Resp: 2043495

Ion	Ratio	Lower	Upper
114	100		
63	23.2	19.4	29.0
88	16.9	13.9	20.9



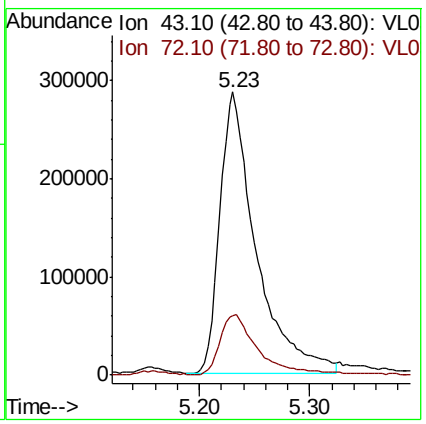


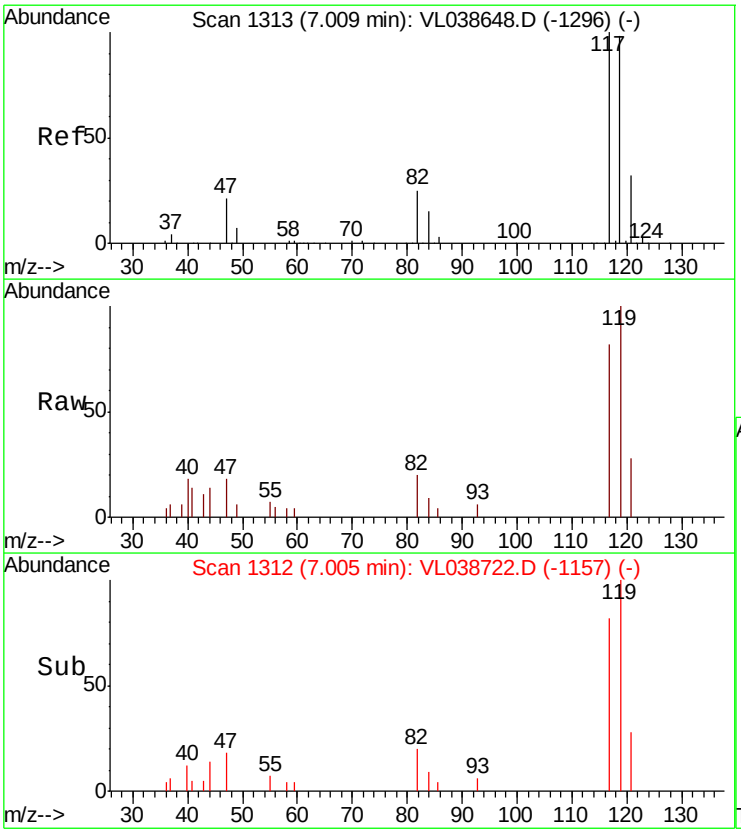
#34
2-Butanone
Concen: 8.125 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 657150

Ion	Ratio	Lower	Upper
43	100		
72	23.7	17.8	26.8

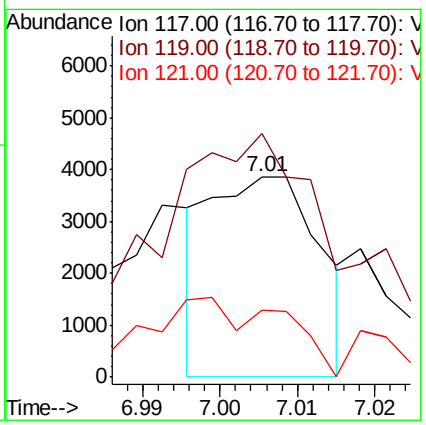


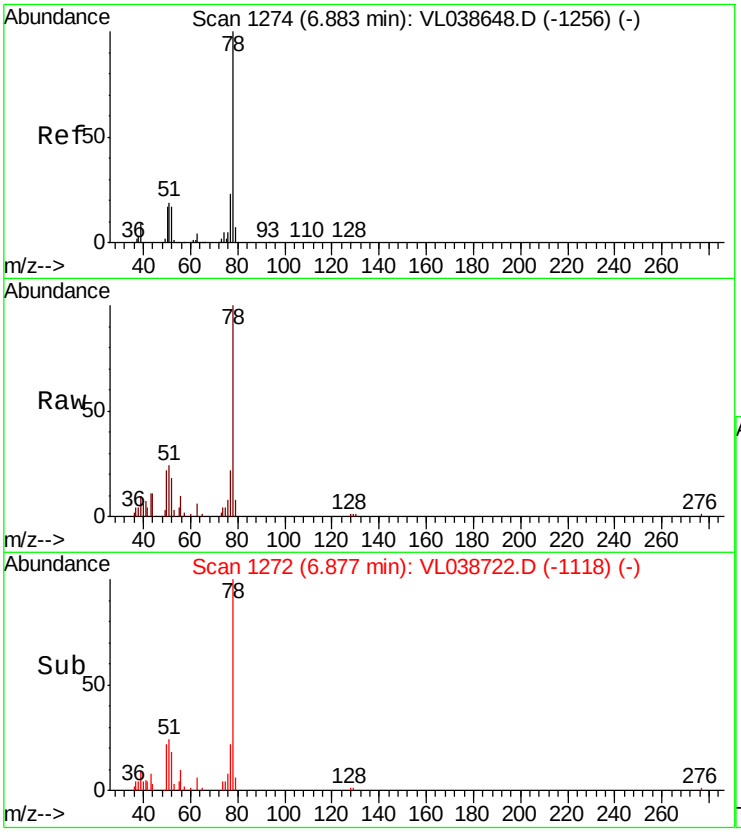


#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:117 Resp: 3776

Ion	Ratio	Lower	Upper
117	100		
119	154.6	78.1	117.1#
121	76.4	25.8	38.6#



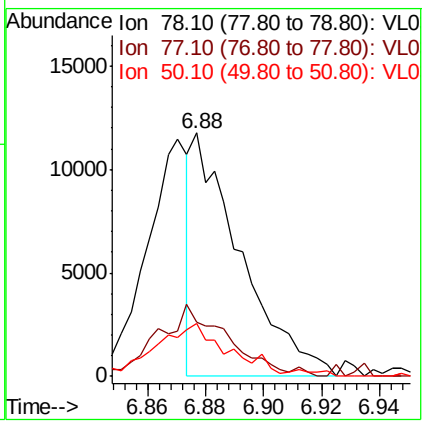


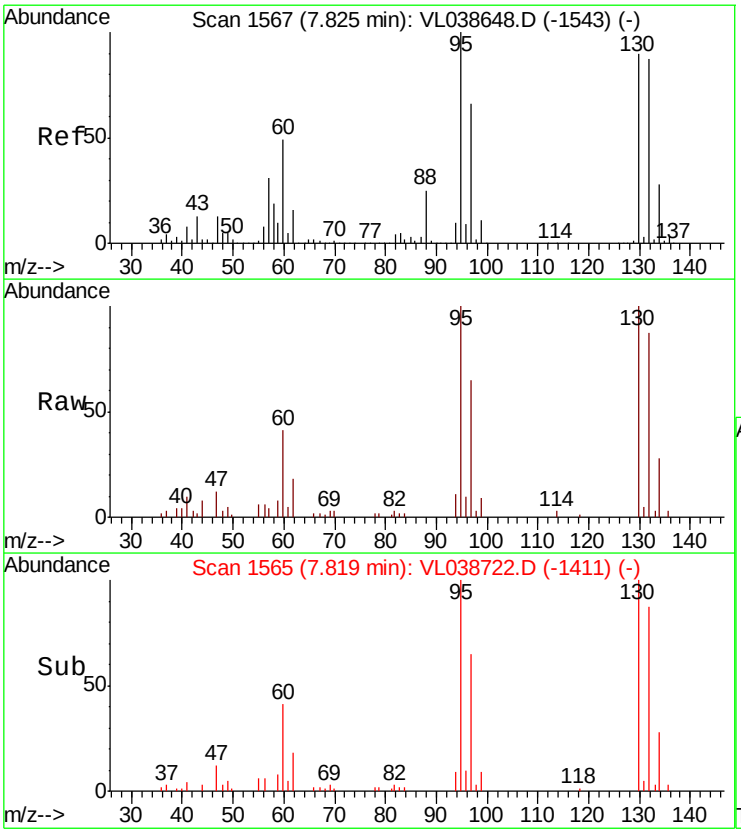
#36
Benzene
Concen: 0.086 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 13551

Ion	Ratio	Lower	Upper
78	100		
77	17.6	18.1	27.1#
50	21.7	13.6	20.4#

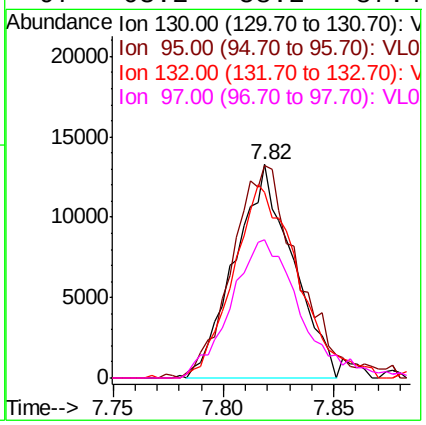


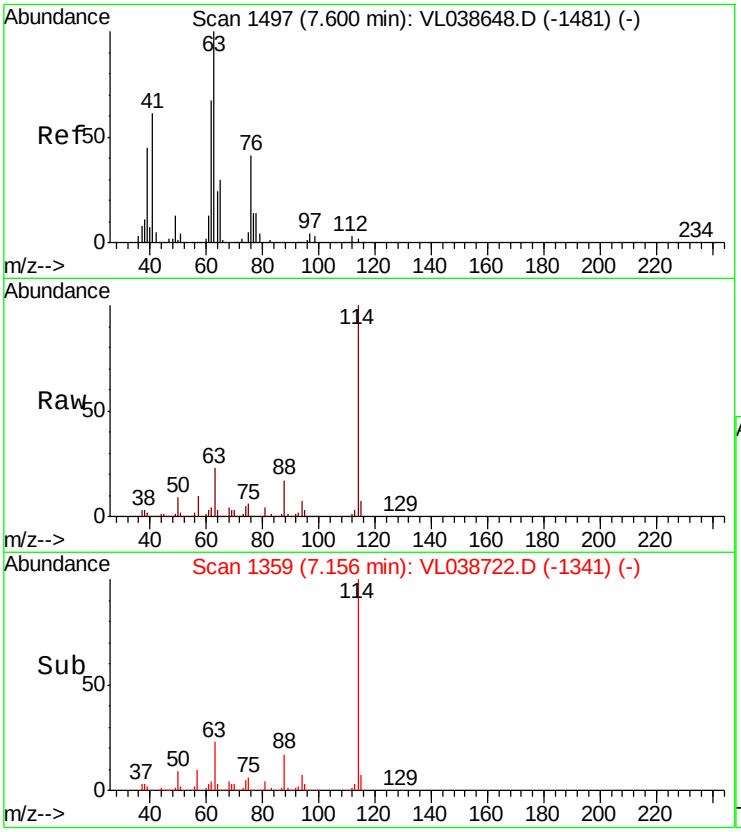


#38
Trichloroethene
Concen: 0.363 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:130 Resp: 23997

Ion	Ratio	Lower	Upper
130	100		
95	97.4	88.9	133.3
132	85.0	77.4	116.0
97	63.2	58.2	87.4



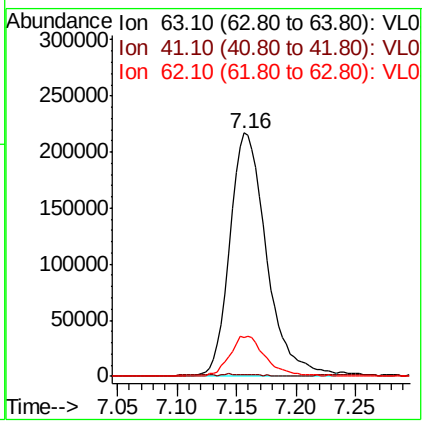


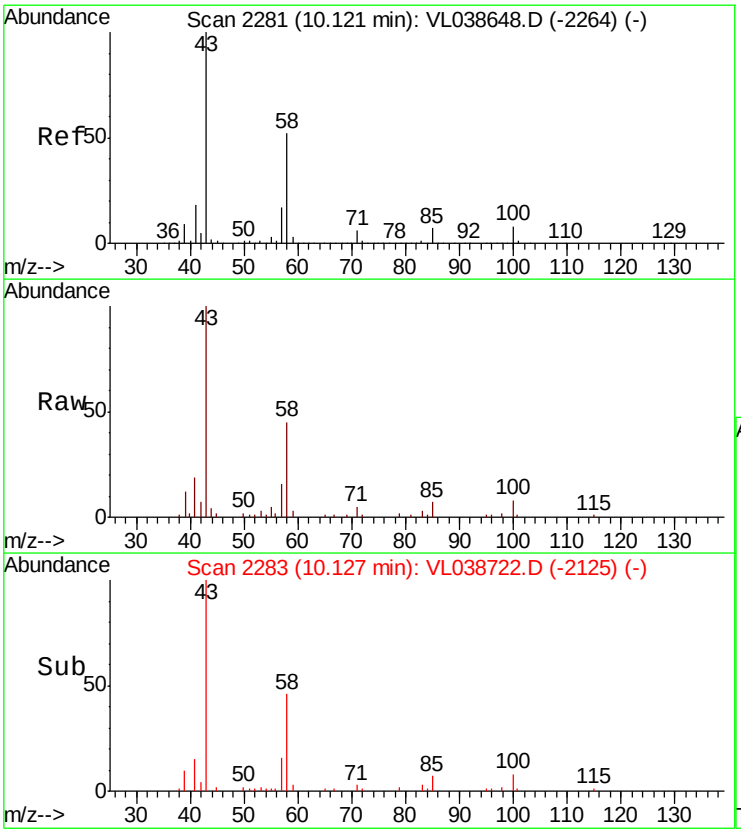
#39
1,2-Dichloropropane
Concen: 7.548 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 465358

Ion	Ratio	Lower	Upper
63	100		
41	0.3	49.0	73.6#
62	15.7	53.9	80.9#

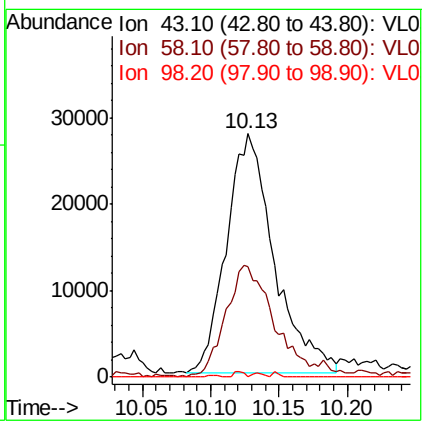


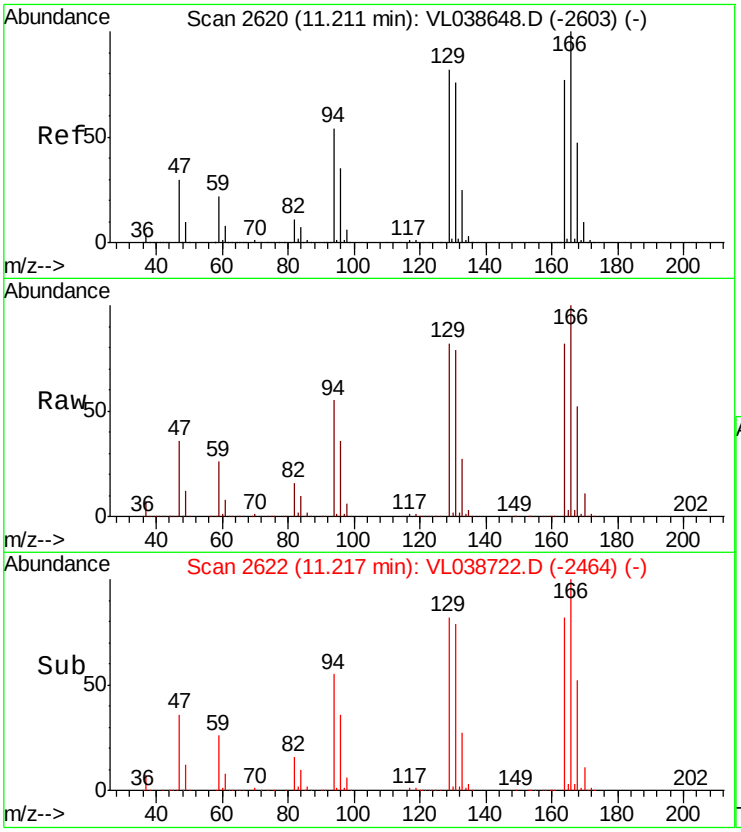


#51
2-Hexanone
Concen: 0.628 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 43 Resp: 67873

Ion	Ratio	Lower	Upper
43	100		
58	48.6	41.2	61.8
98	1.4	0.2	0.4#



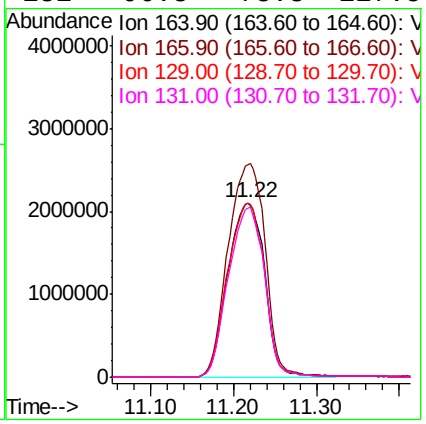


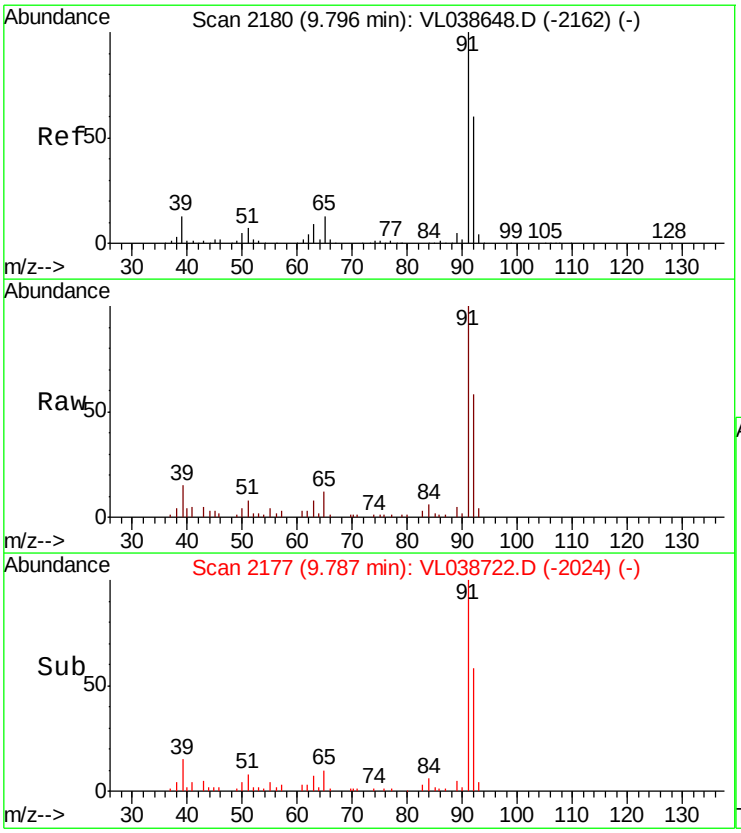
#52
Tetrachloroethene
Concen: 112.134 ppbv
RT: 11.22
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 6471769

Ion	Ratio	Lower	Upper
164	100		
166	122.1	103.3	154.9
129	100.0	85.2	127.8
131	96.8	78.3	117.5

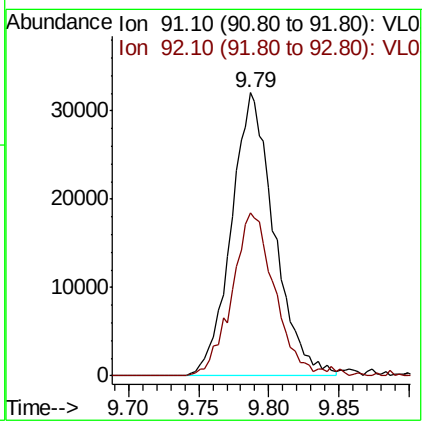


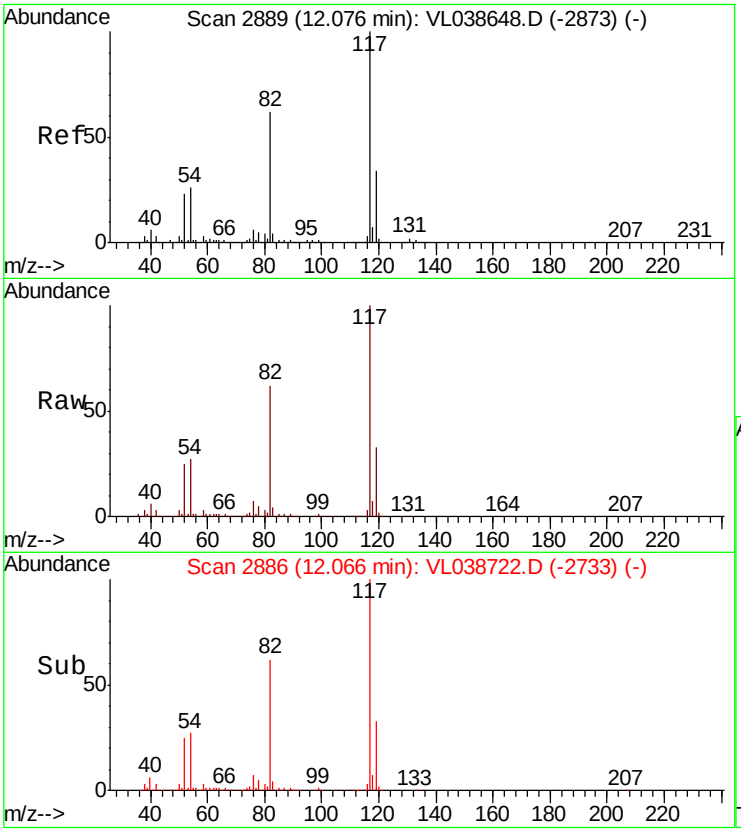


#53
Toluene
Concen: 0.403 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 91 Resp: 68259

Ion	Ratio	Lower	Upper
91	100		
92	57.8	48.7	73.1



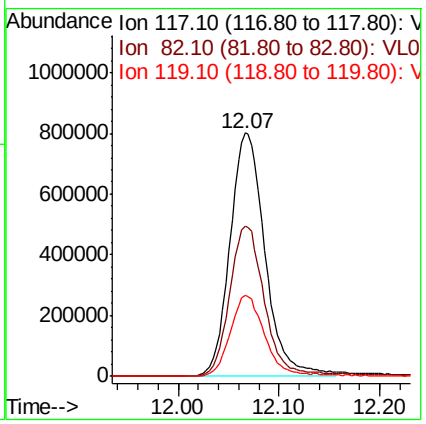


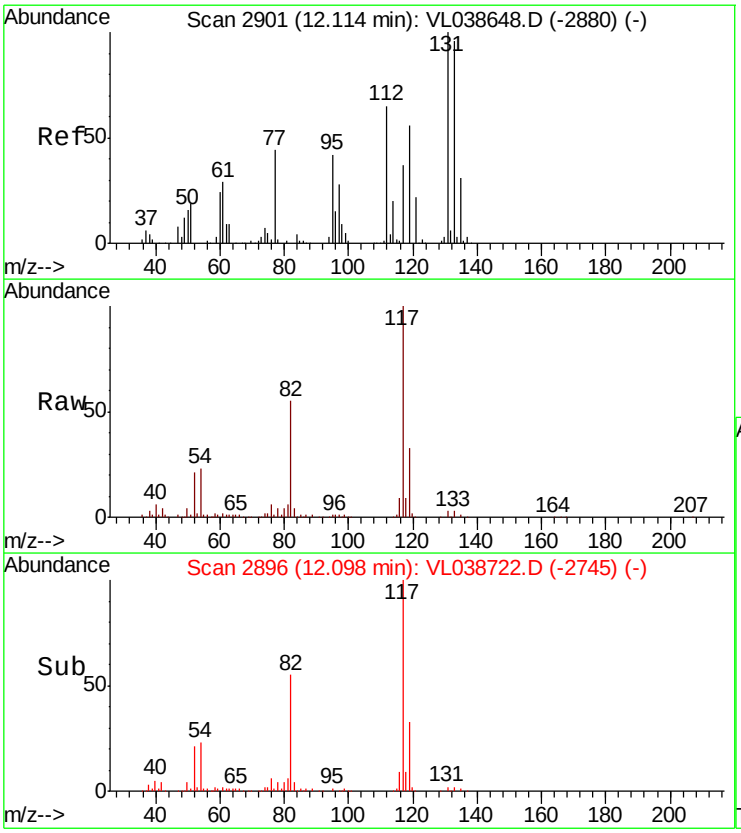
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1931673

Ion	Ratio	Lower	Upper
117	100		
82	63.5	51.6	77.4
119	33.1	26.9	40.3

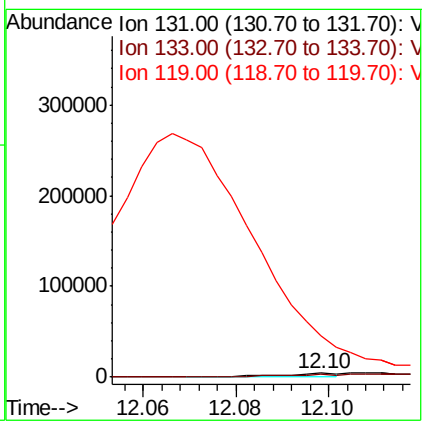


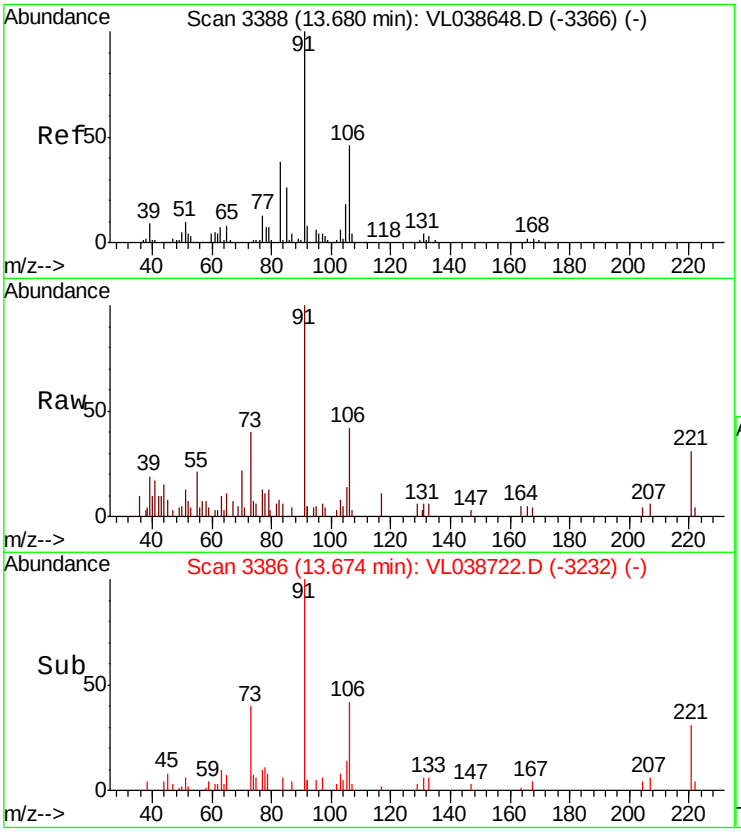


#56
1,1,1,2-Tetrachloroethane
Concen: 0.043 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:131 Resp: 3441

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.3	115.9#
119	0.0	53.0	79.6#



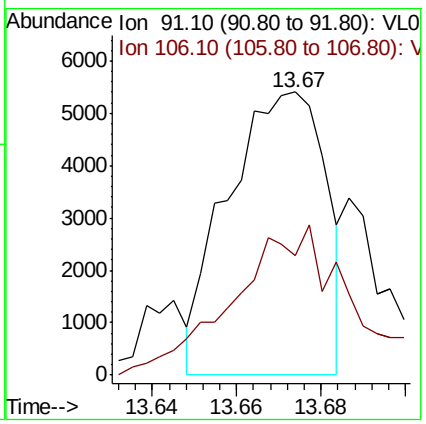


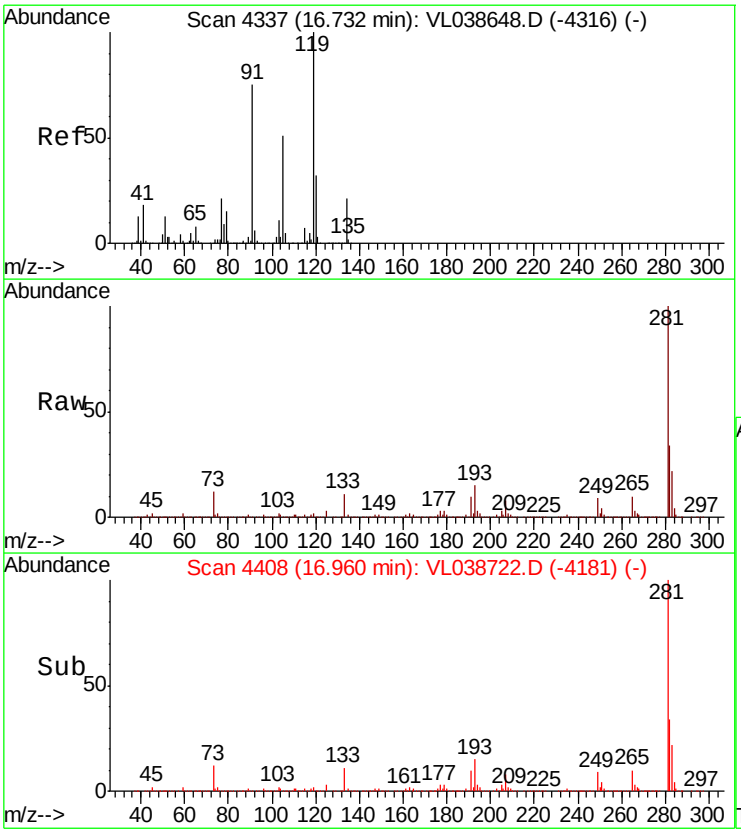
#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 8731

Ion	Ratio	Lower	Upper
91	100		
106	65.8	23.5	70.5

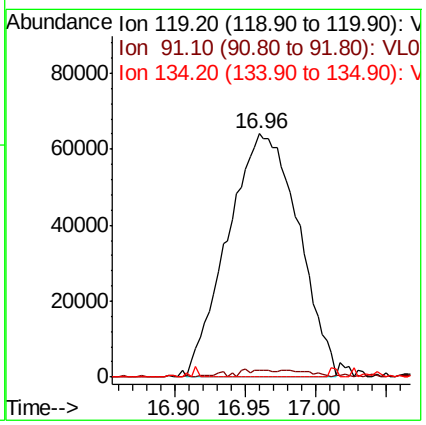


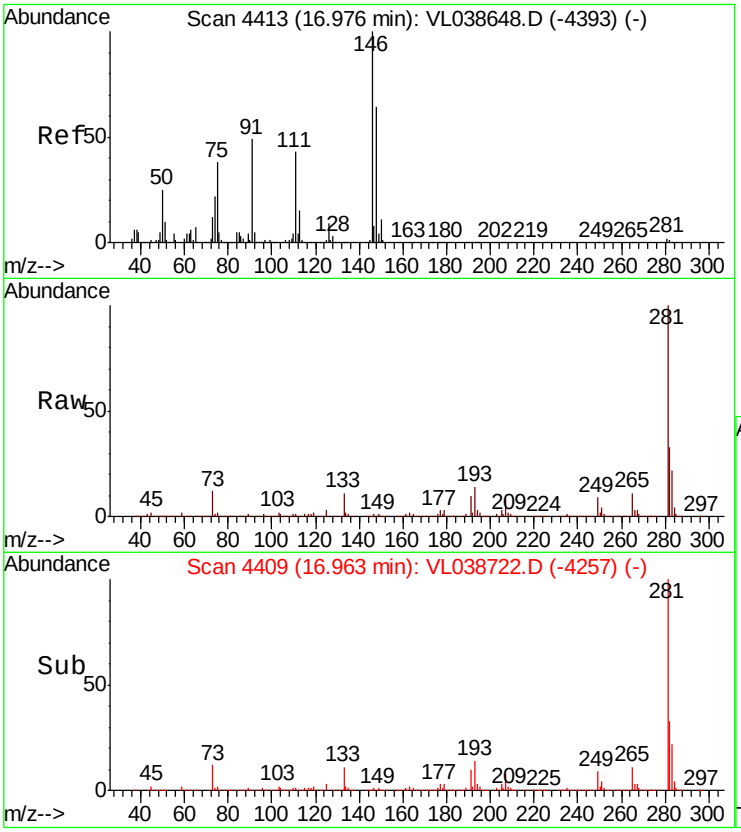


#65
tert-Butylbenzene
Concen: 0.882 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. 0.23 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:119 Resp: 223376

Ion	Ratio	Lower	Upper
119	100		
91	3.4	61.2	91.8#
134	0.0	16.3	24.5#



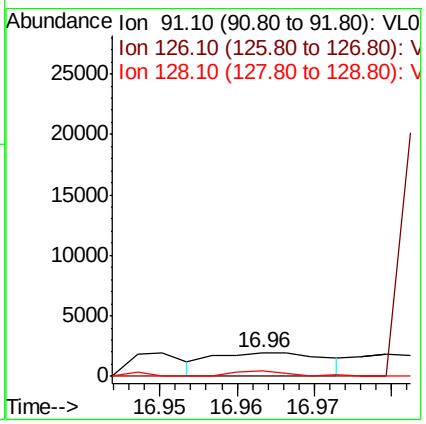


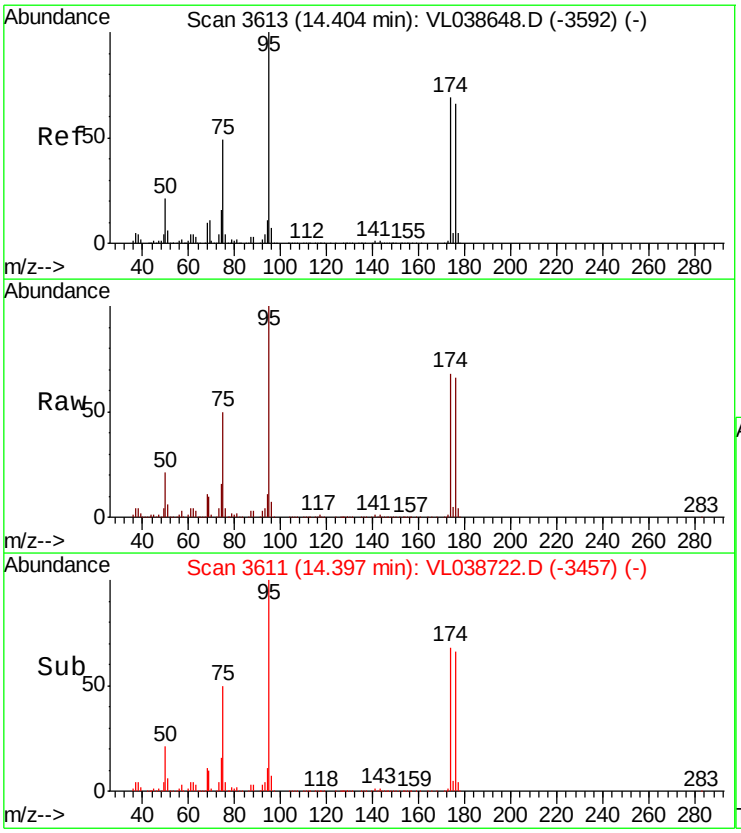
#66
Benzyl Chloride
Concen: 0.040 ppbv
RT: 16.96
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1935

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.3	21.5#
128	16.8	4.6	6.8#

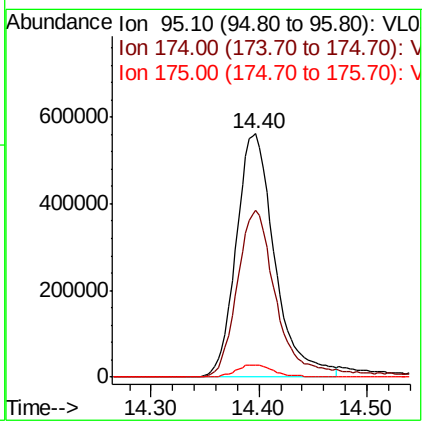


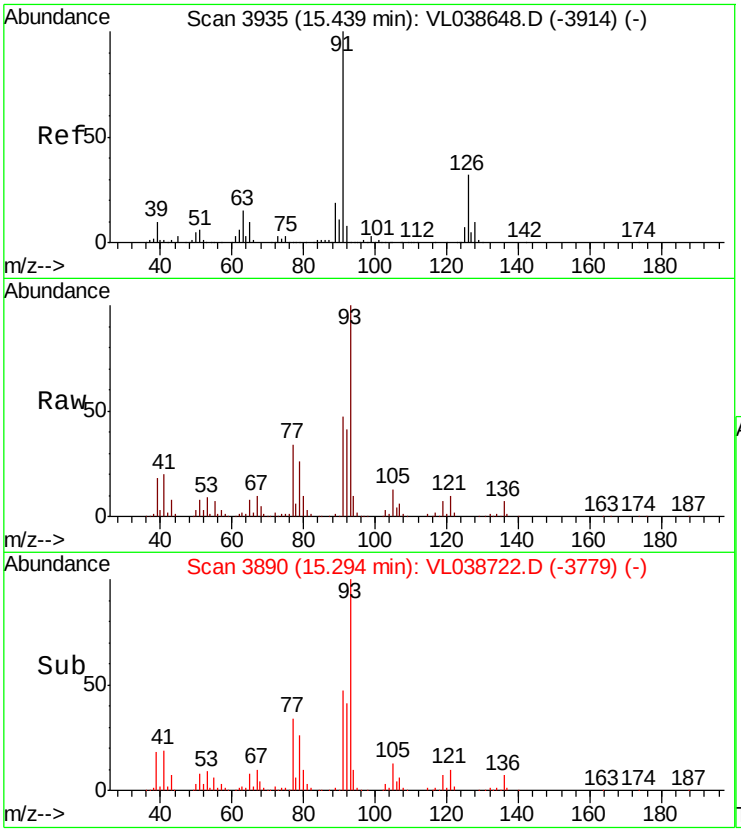


#68
1-Bromo-4-Fluorobenzene
Concen: 9.458 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion: 95 Resp: 1400778

Ion	Ratio	Lower	Upper
95	100		
174	72.2	56.1	84.1
175	5.2	4.2	6.2



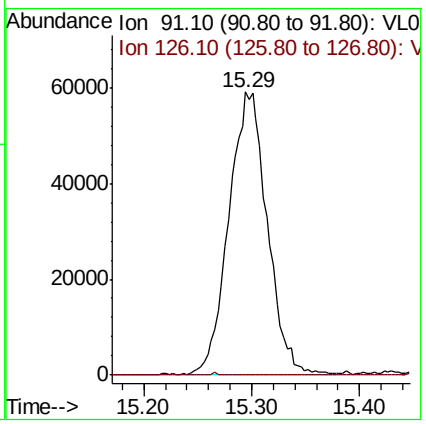


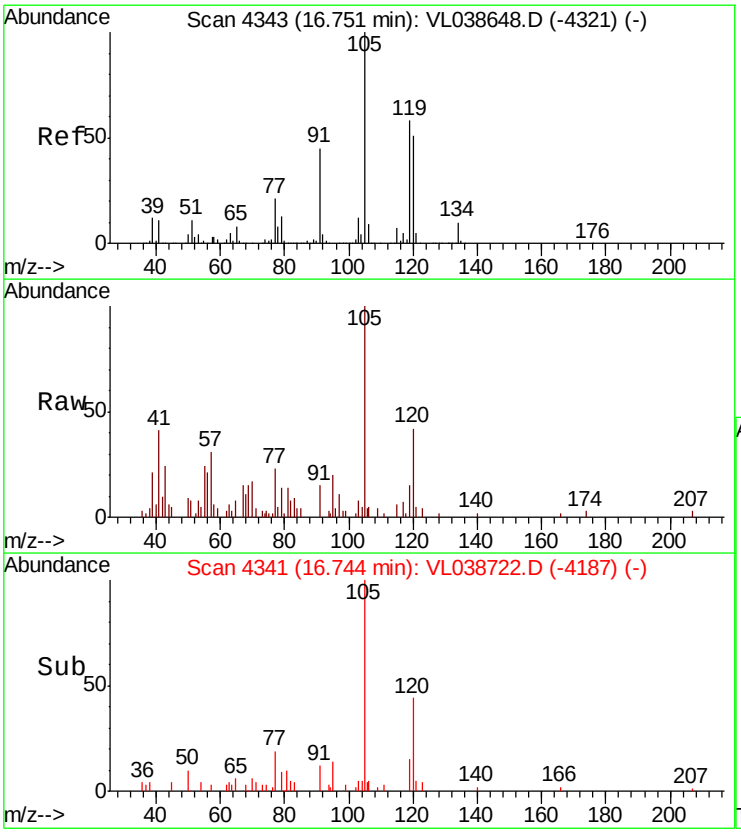
#71
2-Chlorotoluene
Concen: 0.702 ppbv
RT: 15.29
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 146881

Ion	Ratio	Lower	Upper
91	100		
126	0.1	13.1	52.3#

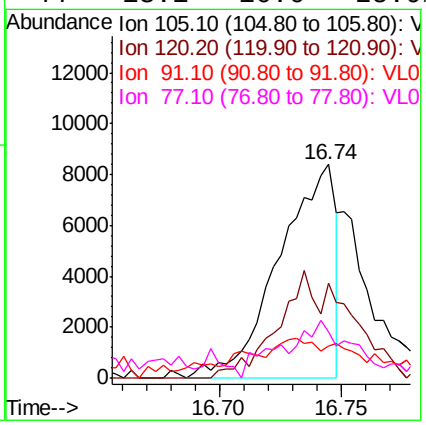


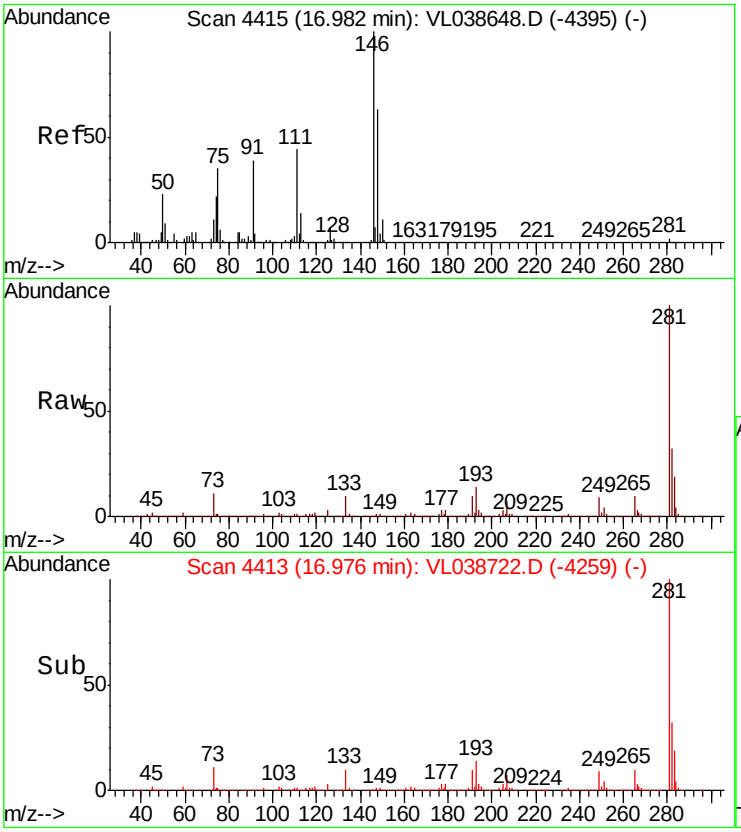


#74
1,2,4-Trimethylbenzene
Concen: 0.061 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:105 Resp: 13440

Ion	Ratio	Lower	Upper
105	100		
120	44.6	40.5	60.7
91	9.8	35.9	53.9#
77	13.1	16.6	25.0#



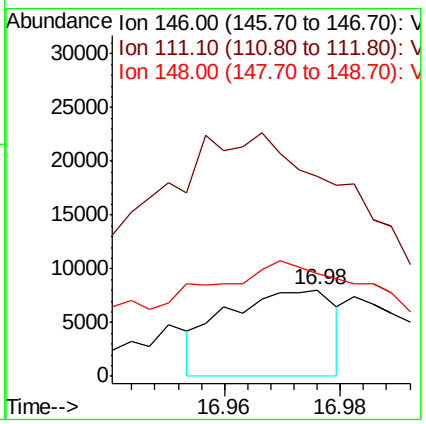


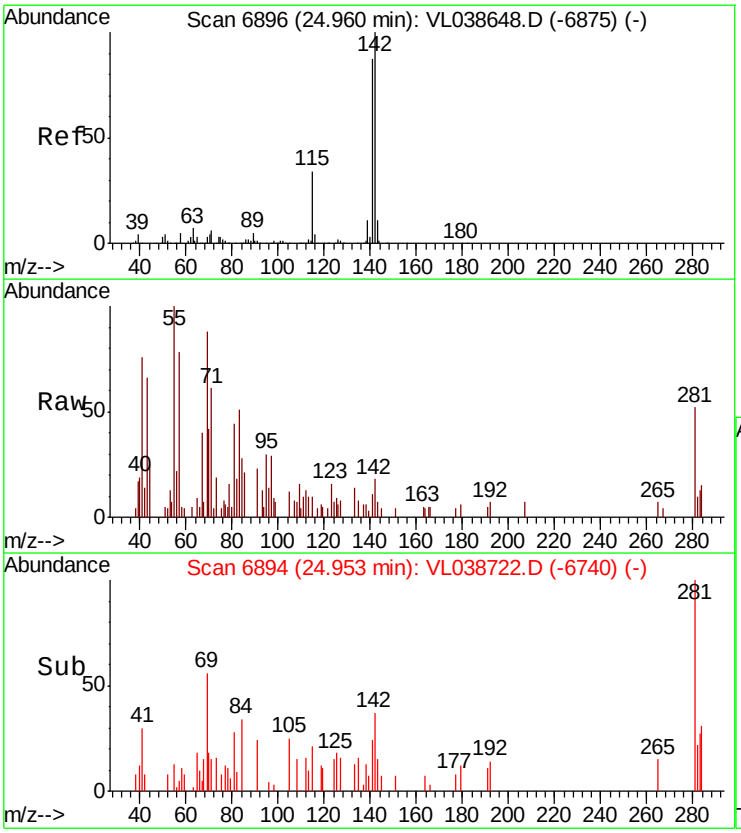
#75
1,3-Dichlorobenzene
Concen: 0.075 ppbv
RT: 16.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 19:11

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 10548

Ion	Ratio	Lower	Upper
146	100		
111	719.9	22.2	66.6#
148	350.0	32.5	97.5#





#80
Naphthalene,2-methyl-
Concen: 0.032 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL038722.D
Acq: 23 Mar 2022 19:11

Tgt Ion:142 Resp: 1440

Ion	Ratio	Lower	Upper
142	100		
141	0.0	66.4	99.6#
115	53.4	27.8	41.6#