Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038736.D
Acq On : 24 Mar 2022 4:28
Operator : SY/AP
Sample : N2051-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P91

Quant Time: Mar 24 07:52:07 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	719184	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	1923050	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	1789507	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1259062	9.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	24107	0.249	ppbv		97
3) Chlorodifluoromethane	2.99	51	23209	0.306	ppbv		96
4) Chloromethane	3.14	50	2098	0.050	ppbv	#	43
9) Propene	3.02	41	52363	1.428	ppbv		97
11) Trichlorofluoromethane	3.96	101	24047	0.282	ppbv		91
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3704	0.056	ppbv	#	10
13) Ethanol	3.60	45	115814	28.630	ppbv		93
15) Acetone	3.85	43	1275941	20.561	ppbv	#	88
16) 1,3-Butadiene	3.31	39	125957	3.577	ppbv	#	14
17) tert-Butyl alcohol	4.30	59	35845	0.661	ppbv	#	91
18) 1,1-Dichloroethene	4.29	96	2180	0.074	ppbv	#	37
19) Isopropyl Alcohol	3.97	45	32105	0.933	ppbv	#	91
20) Methylene Chloride	4.35	84	123958	4.742	ppbv		94
21) Allyl Chloride	4.35	41	1870	0.042	ppbv	#	28
23) Vinyl Acetate	5.17	43	20162	0.336	ppbv	#	4
25) Ethyl Acetate	5.69	43	64522	0.413	ppbv	#	81
26) Hexane	5.69	57	89834	1.285	ppbv	#	42
27) Carbon Disulfide	4.55	76	14550	0.212	ppbv	#	93
29) Chloroform	5.75	83	1877789	16.769	ppbv		99
34) 2-Butanone	5.24	43	1345491	17.677	ppbv		100
36) Benzene	6.89	78	21603	0.146	ppbv		98
38) Trichloroethene	7.83	130	1926	0.031	ppbv	#	46
39) 1,2-Dichloropropane	7.18	63	441240	7.605	ppbv	#	29
41) Tetrahydrofuran	6.05	42	1817	0.032	ppbv	#	53
51) 2-Hexanone	10.13	43	147442	1.451	ppbv	#	97
52) Tetrachloroethene	11.22	164	745497	13.726	ppbv		97
53) Toluene	9.81	91	74130	0.465	ppbv		99
58) Ethyl Benzene	12.71	91	13185	0.063	ppbv		90
59) m/p-Xylene	13.00	91	6223	0.034	ppbv	#	30
60) o-Xylene	13.68	91	14383	0.083	ppbv		100
65) tert-Butylbenzene	16.98	119	256294	1.092	ppbv	#	25
74) 1,2,4-Trimethylbenzene	16.76	105	12556	0.062	ppbv	#	74
75) 1,3-Dichlorobenzene	16.99	146	20627	0.159	ppbv	#	1

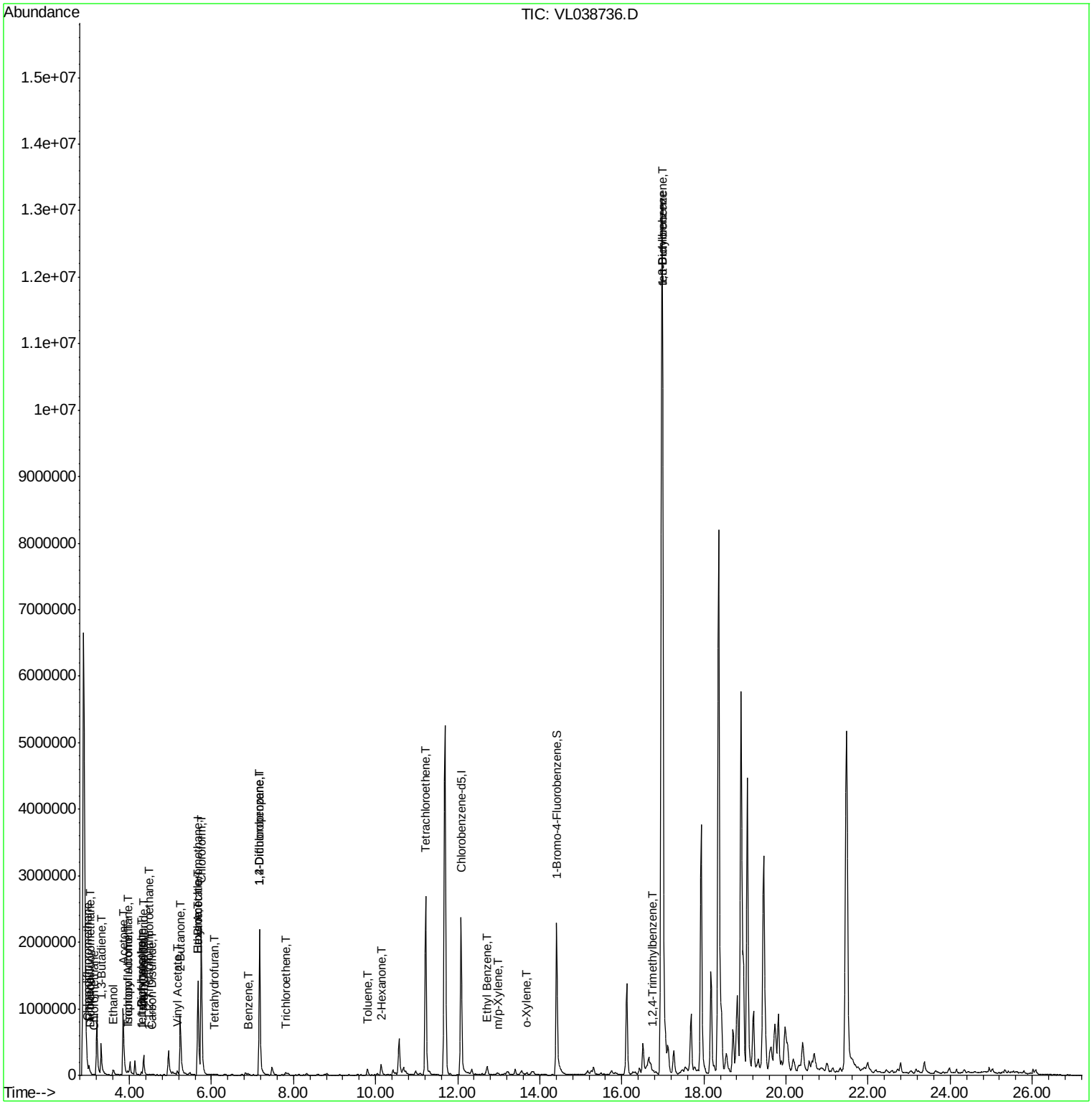
(#) = qualifier out of range (m) = manual integration (+) = signals summed

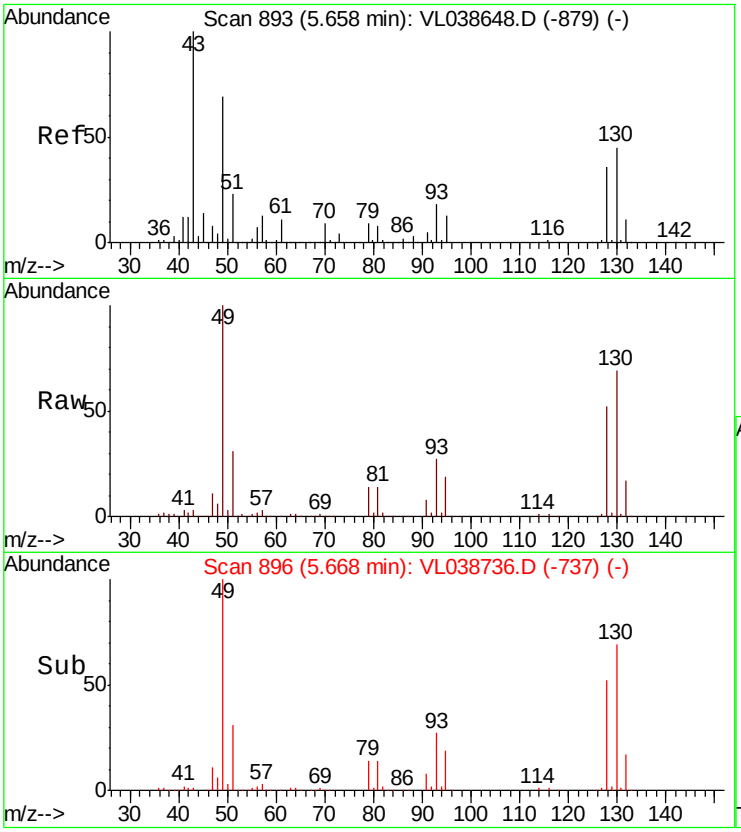
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038736.D
Acq On : 24 Mar 2022 4:28
Operator : SY/AP
Sample : N2051-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Quant Time: Mar 24 07:52:07 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



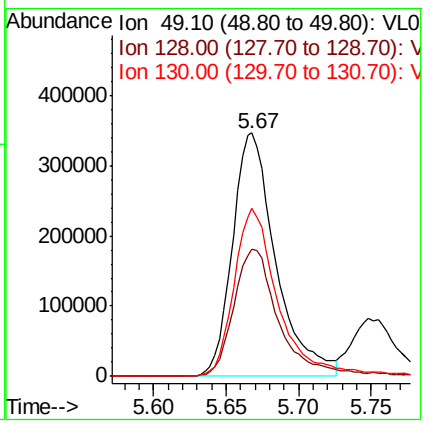


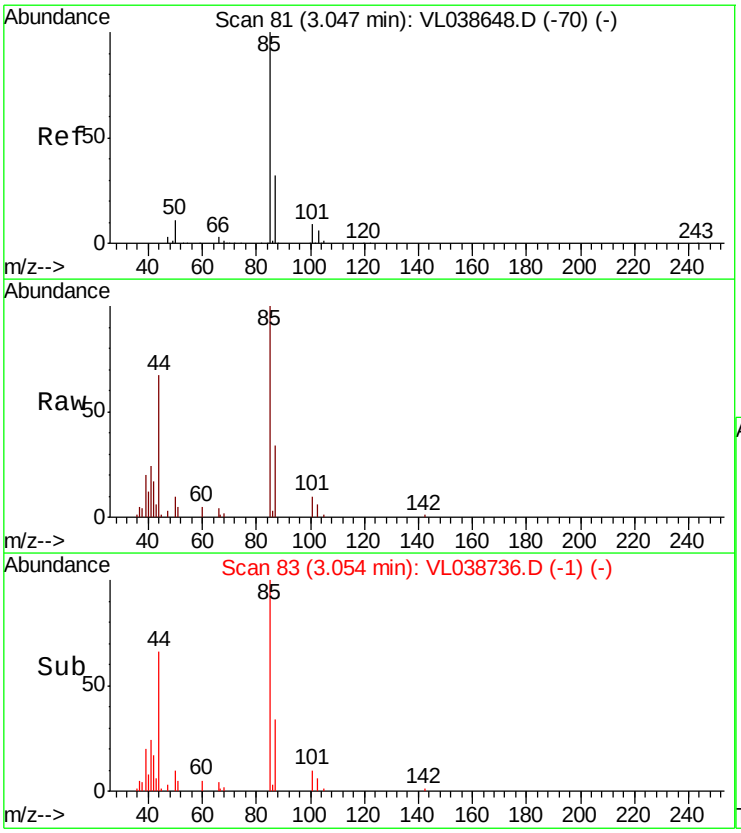
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 49 Resp: 719184

Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.2	78.6
130	72.4	33.7	101.1

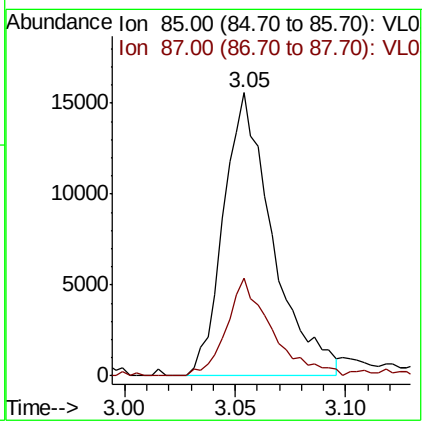


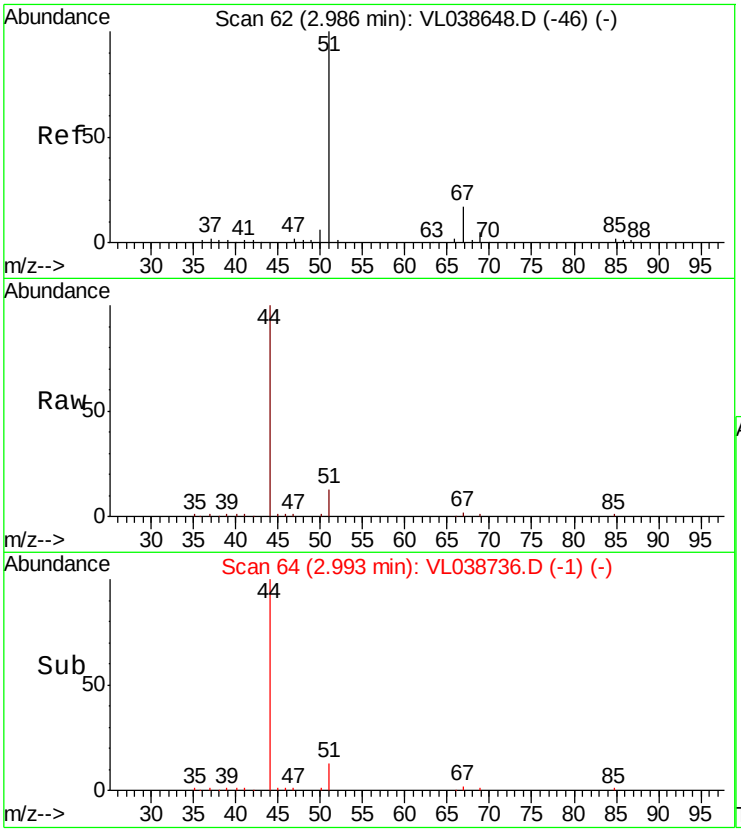


#2
Dichlorodifluoromethane
Concen: 0.249 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 85 Resp: 24107

Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.0	39.0



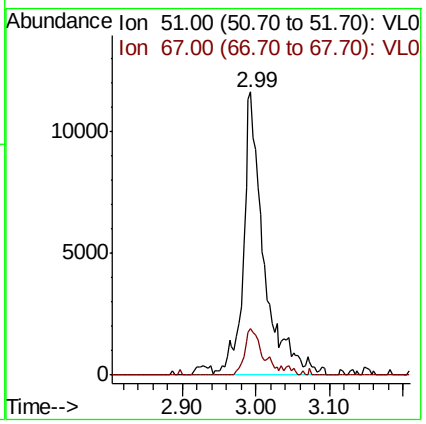


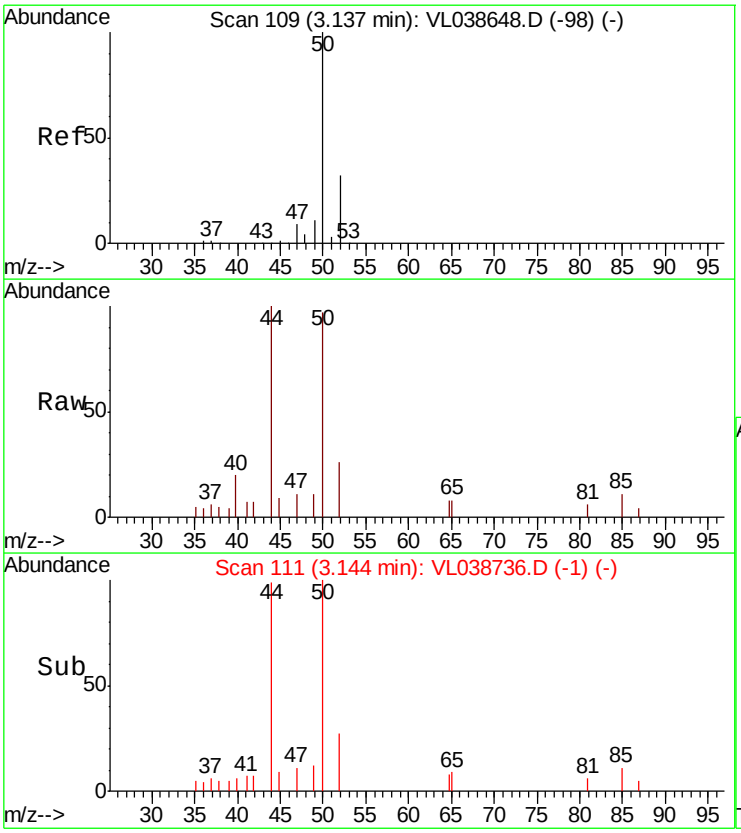
#3
Chlorodifluoromethane
Concen: 0.306 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 51 Resp: 23209

Ion	Ratio	Lower	Upper
51	100		
67	15.6	14.1	21.1

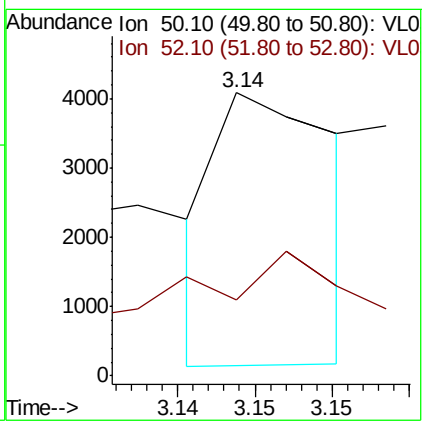


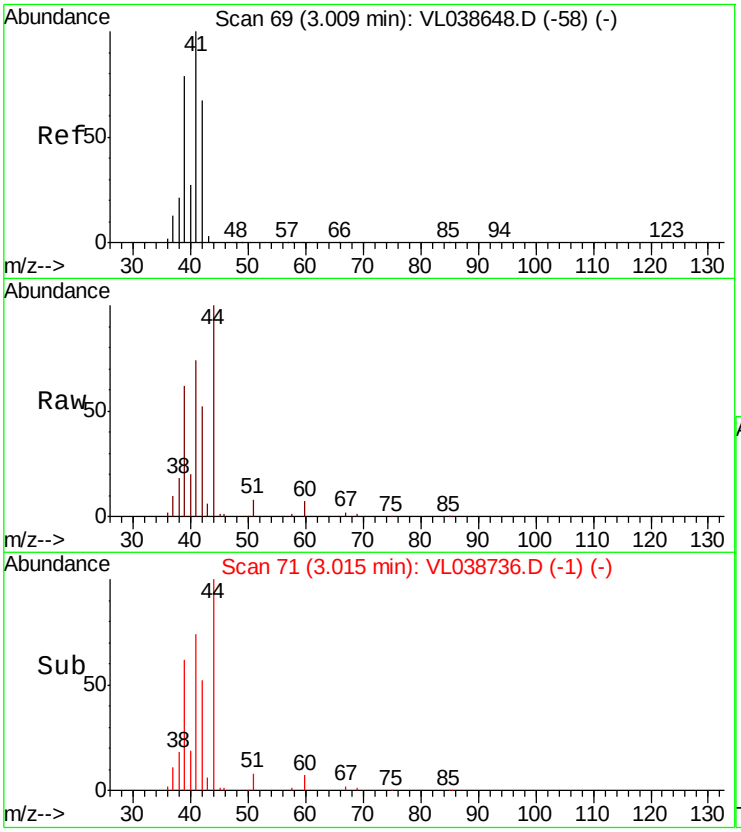


#4
Chloromethane
Concen: 0.050 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 50 Resp: 2098

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.5	38.3#



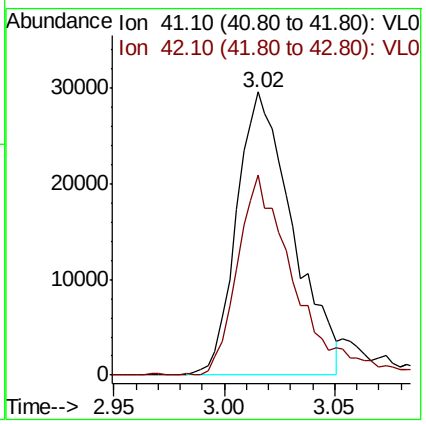


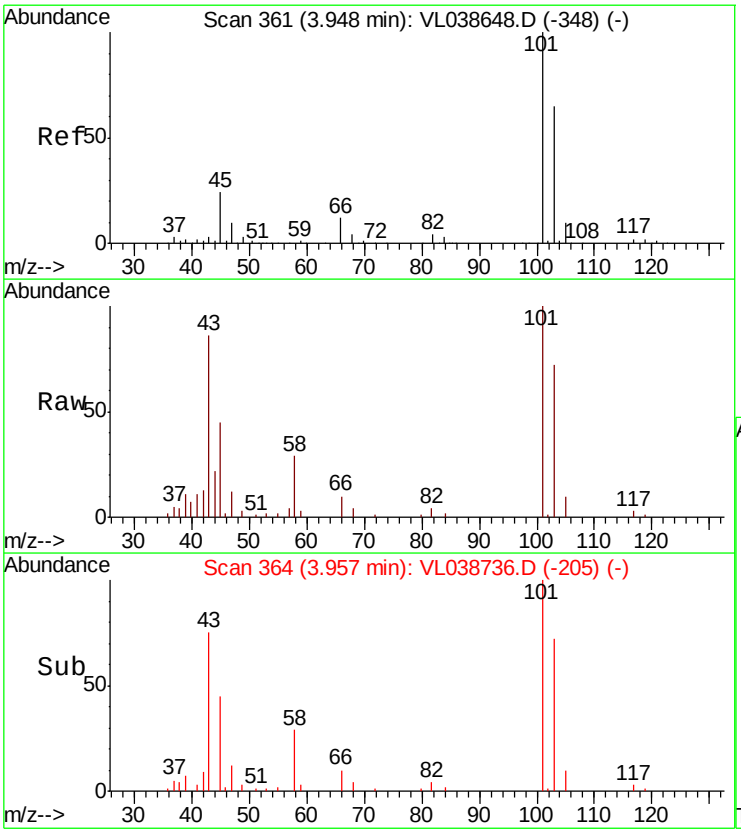
#9
Propene
Concen: 1.428 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 41 Resp: 52363

Ion	Ratio	Lower	Upper
41	100		
42	72.8	56.2	84.4

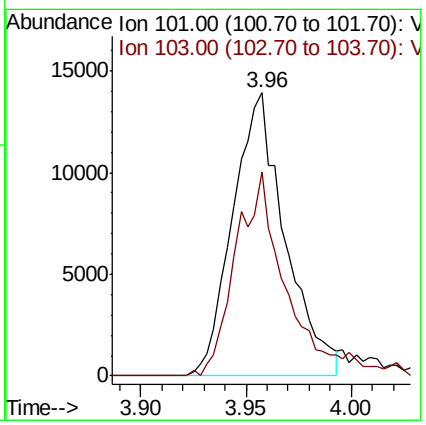


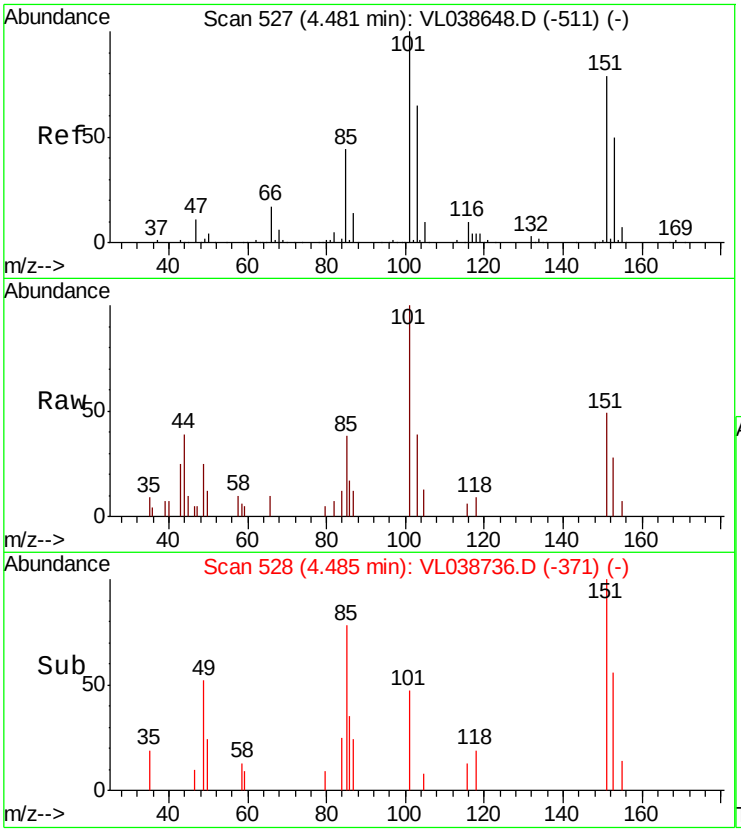


#11
Trichlorofluoromethane
Concen: 0.282 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:101 Resp: 24047

Ion	Ratio	Lower	Upper
101	100		
103	72.0	51.9	77.9



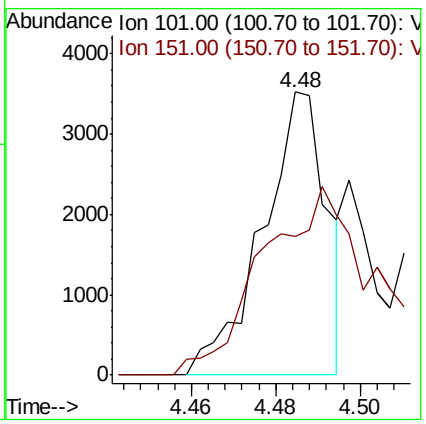


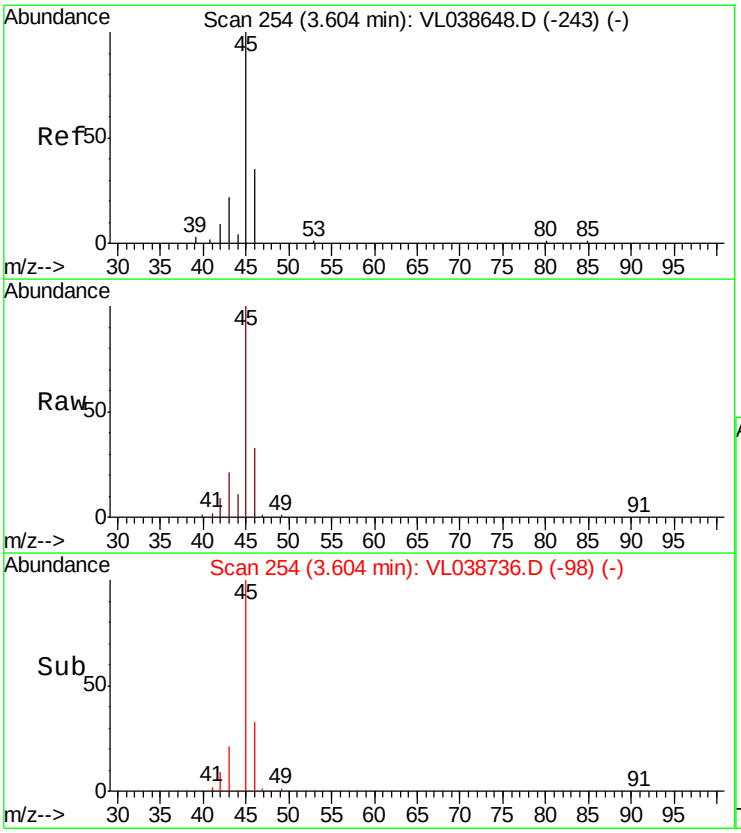
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.056 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion:101 Resp: 3704

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#

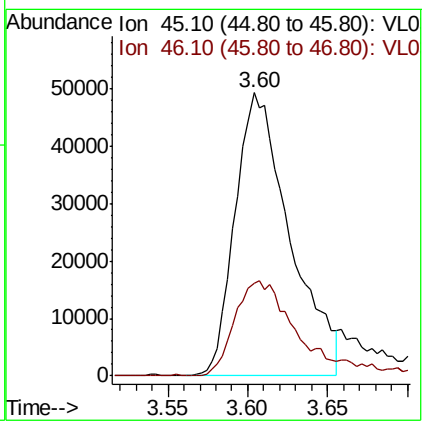


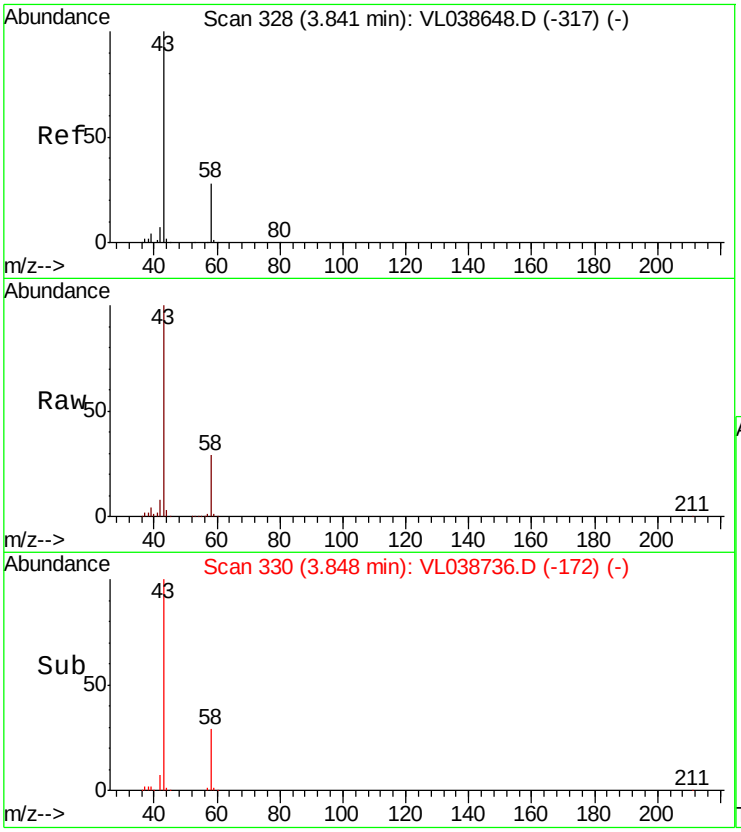


#13
Ethanol
Concen: 28.630 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 45 Resp: 115814

Ion	Ratio	Lower	Upper
45	100		
46	42.0	15.1	60.5



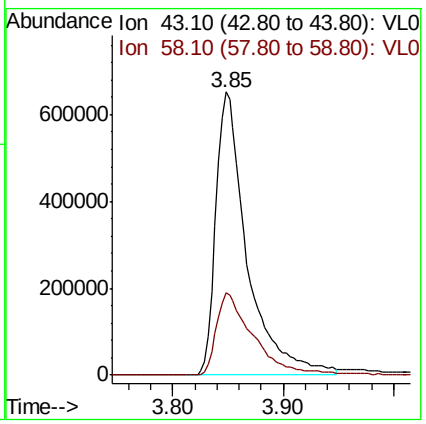


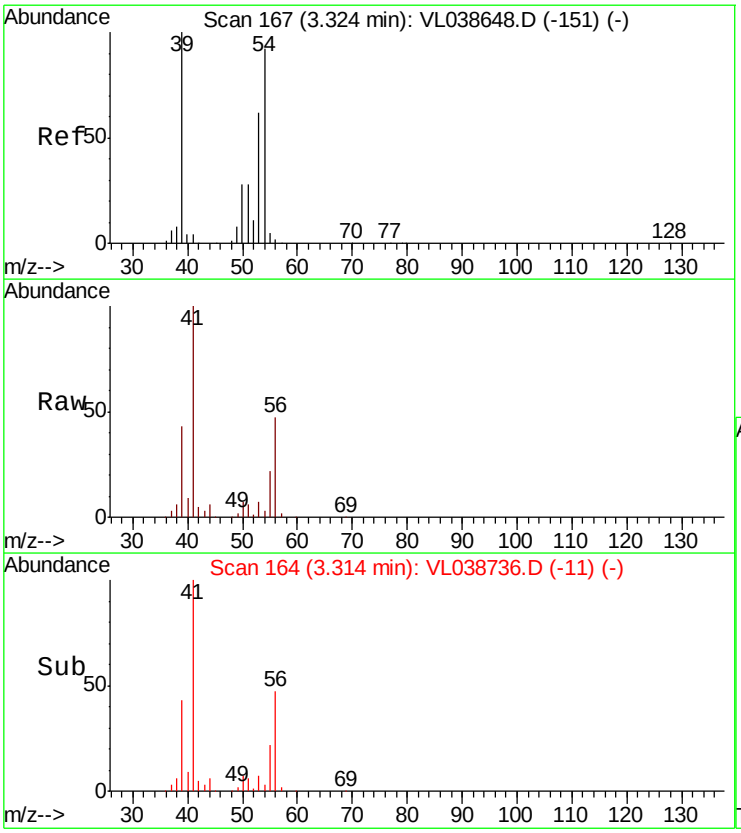
#15
Acetone
Concen: 20.561 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 43 Resp: 1275941

Ion	Ratio	Lower	Upper
43	100		
58	35.3	23.3	34.9#

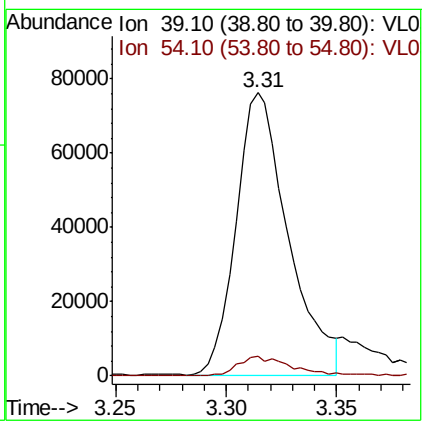


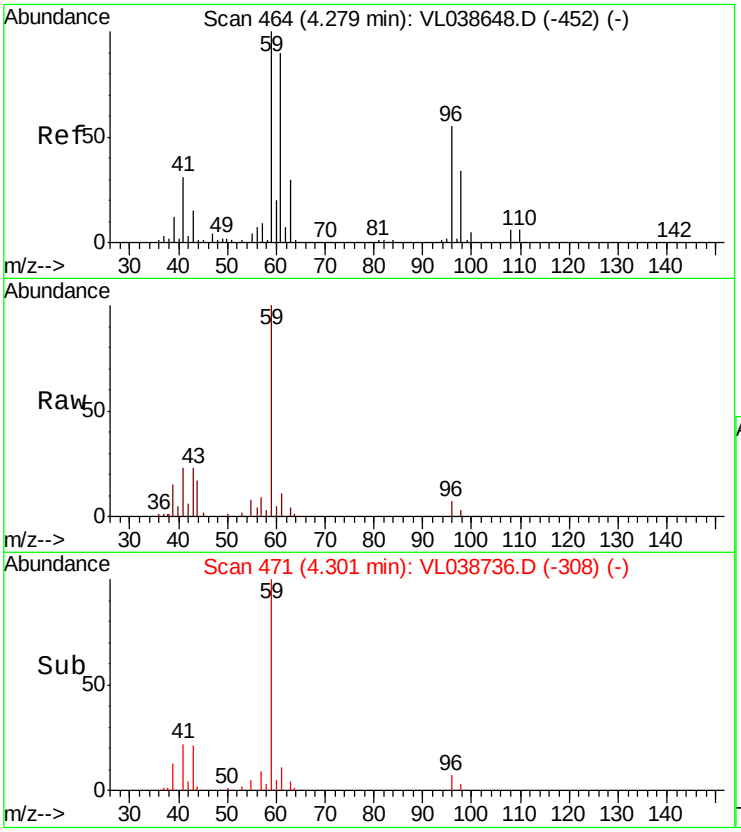


#16
1,3-Butadiene
Concen: 3.577 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 39 Resp: 125957

Ion	Ratio	Lower	Upper
39	100		
54	7.5	69.1	103.7#



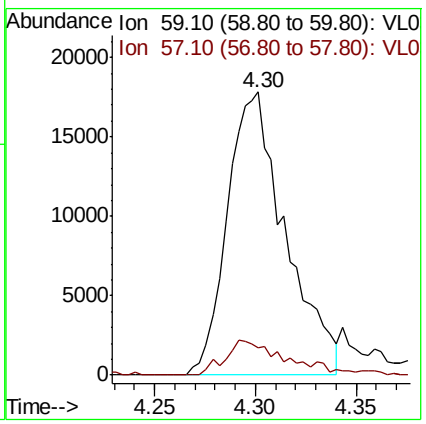


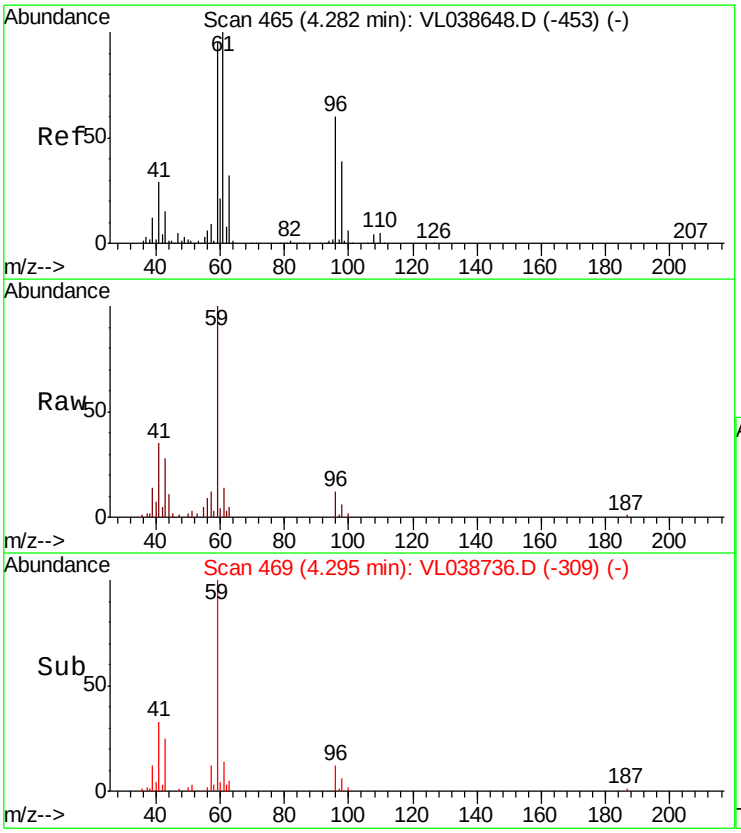
#17
tert-Butyl alcohol
Concen: 0.661 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 59 Resp: 35845

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.2	12.2#

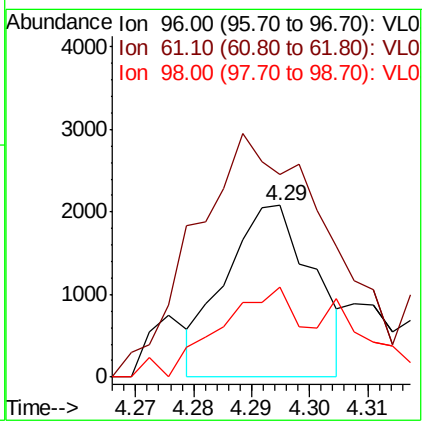


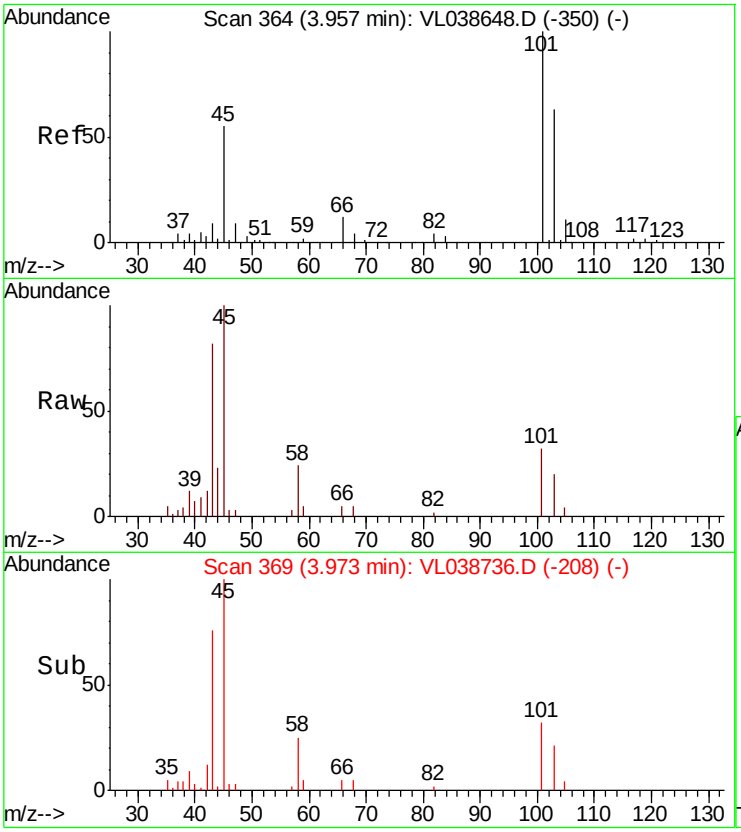


#18
1,1-Dichloroethene
Concen: 0.074 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 96 Resp: 2180

Ion	Ratio	Lower	Upper
96	100		
61	57.1	132.4	198.6#
98	49.1	51.6	77.4#



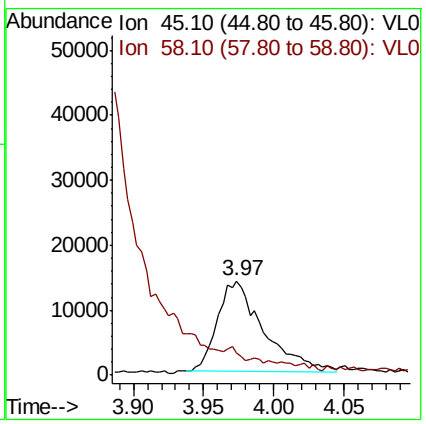


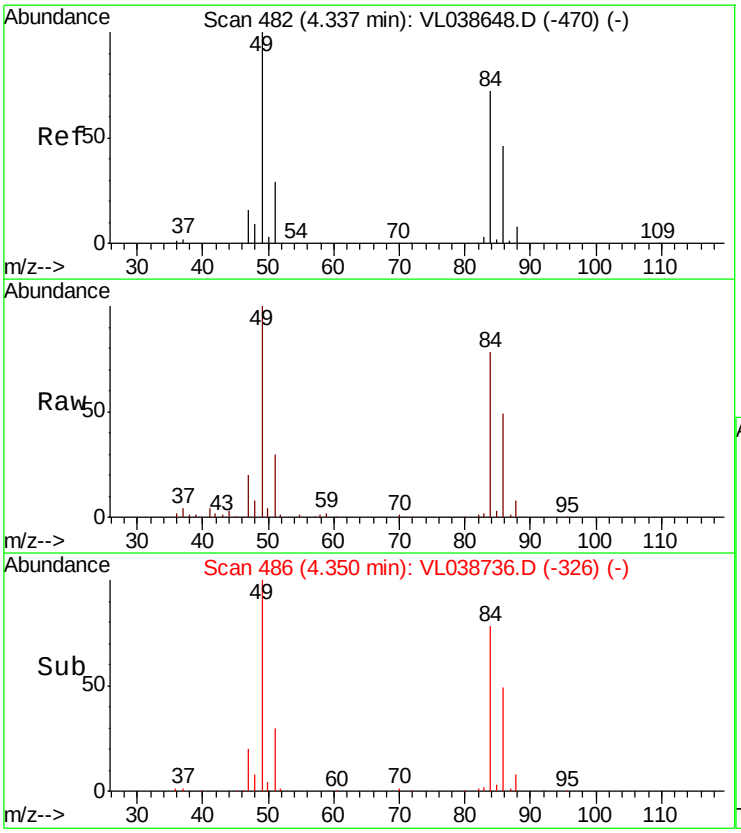
#19
Isopropyl Alcohol
Concen: 0.933 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 45 Resp: 32105

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#

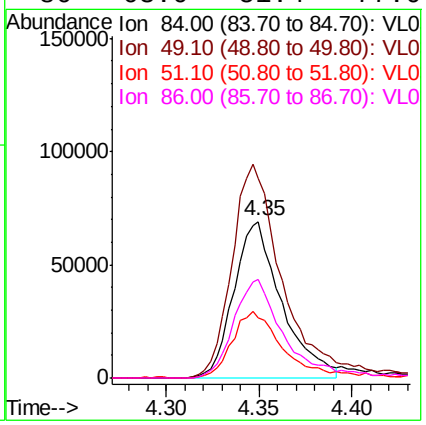


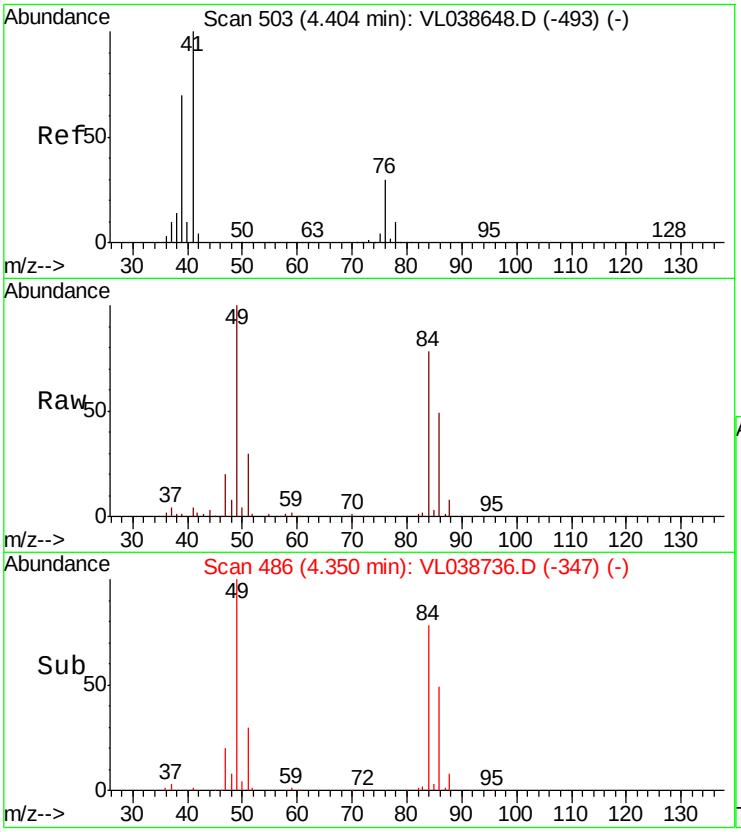


#20
Methylene Chloride
Concen: 4.742 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 84 Resp: 123958

Ion	Ratio	Lower	Upper
84	100		
49	127.6	111.2	166.8
51	38.5	32.8	49.2
86	63.0	51.4	77.0



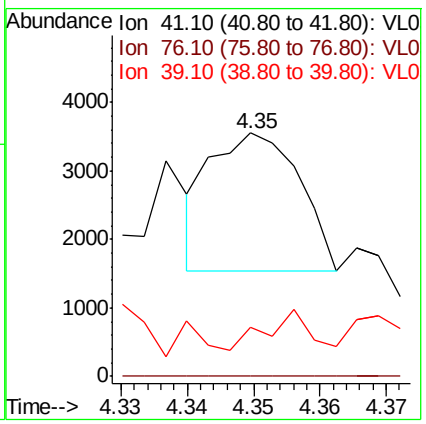


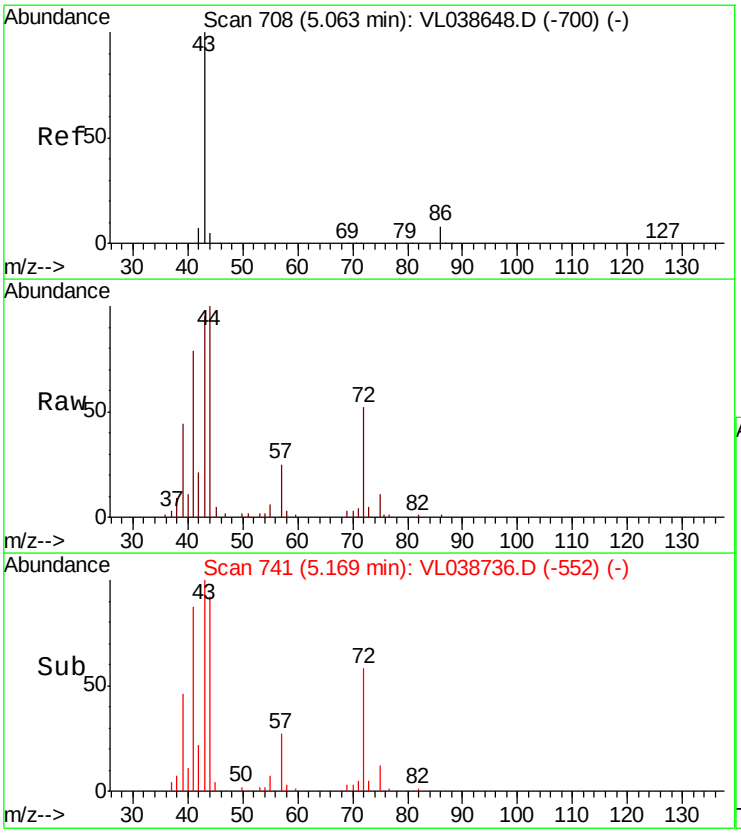
#21
Allvl Chloride
Concen: 0.042 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 41 Resp: 1870

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	135.5	56.6	85.0#

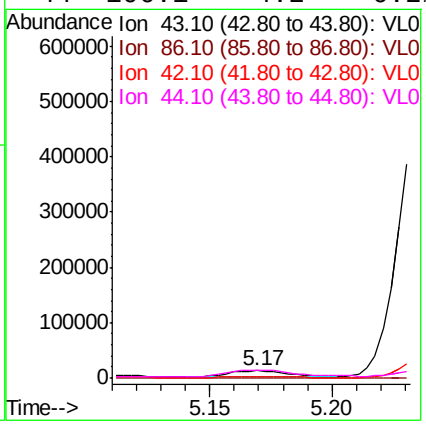


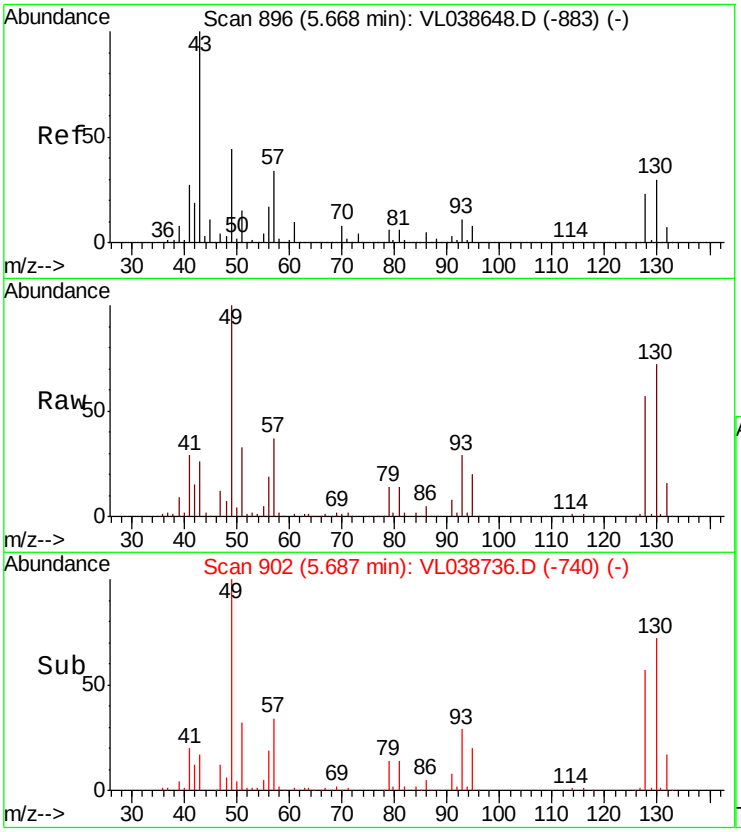


#23
Vinyl Acetate
Concen: 0.336 ppbv
RT: 5.17 min Scan# 741
Delta R.T. 0.11 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 43 Resp: 20162

Ion	Ratio	Lower	Upper
43	100		
86	1.5	5.6	8.4#
42	20.7	6.8	10.2#
44	106.1	4.2	6.2#



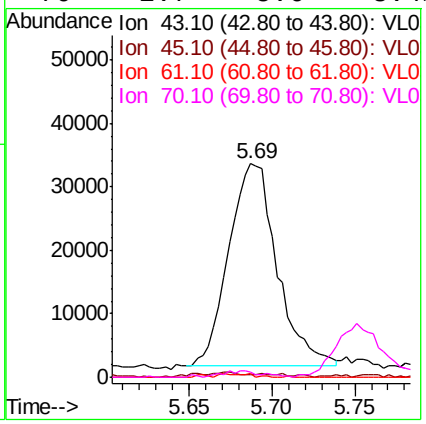


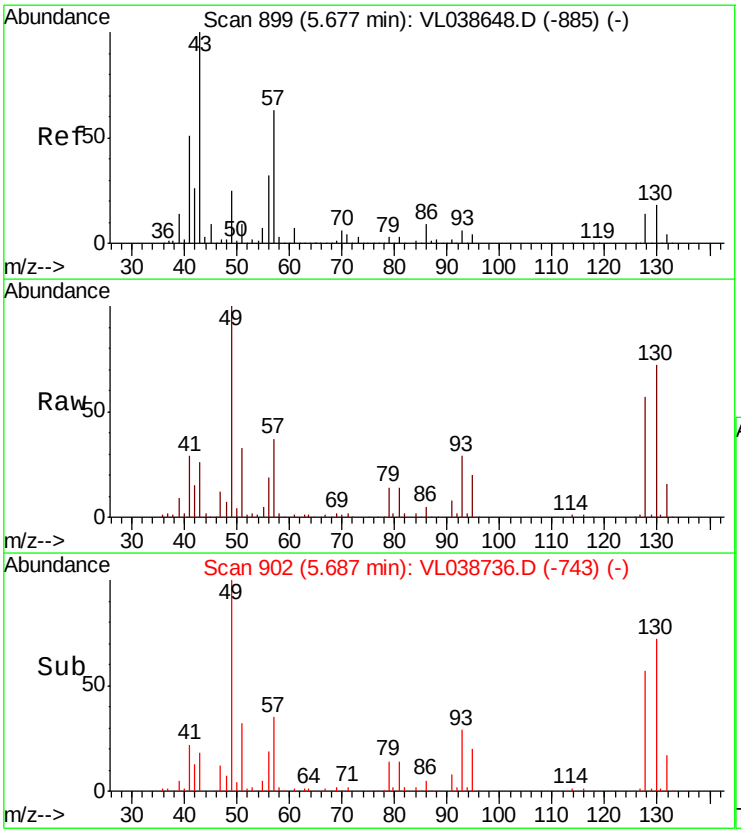
#25
Ethyl Acetate
Concen: 0.413 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 43 Resp: 64522

Ion	Ratio	Lower	Upper
43	100		
45	3.5	8.2	12.4#
61	1.4	8.3	12.5#
70	2.7	5.6	8.4#

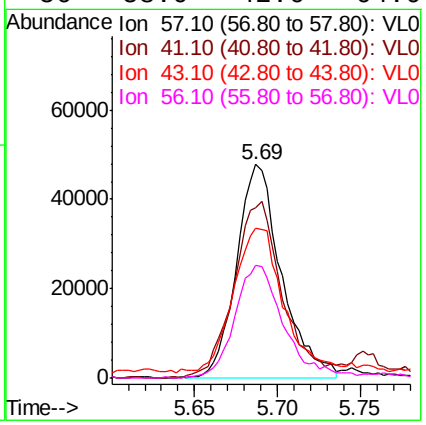


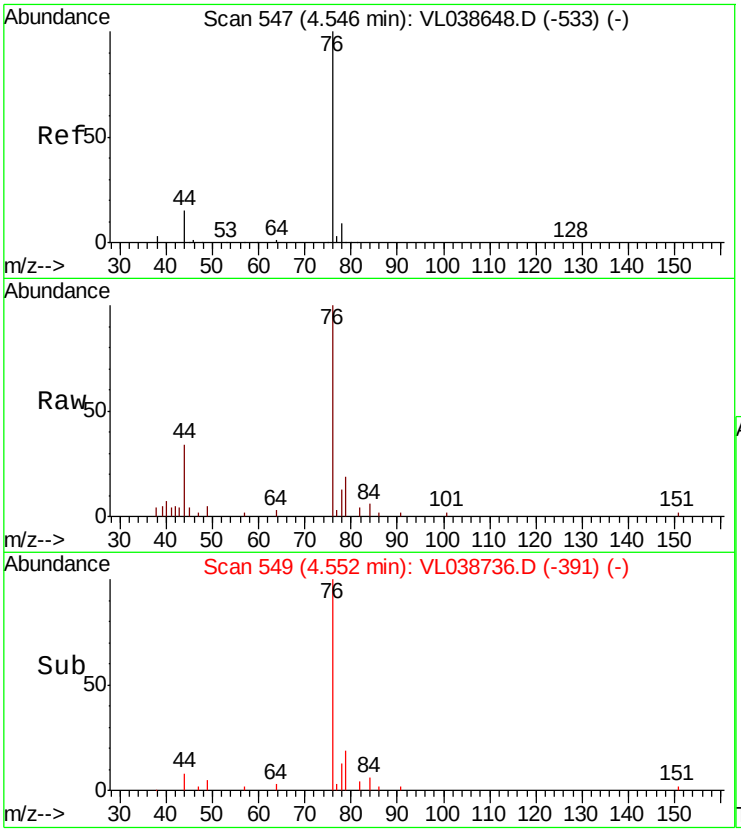


#26
Hexane
Concen: 1.285 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 57 Resp: 89834

Ion	Ratio	Lower	Upper
57	100		
41	89.8	67.0	100.4
43	84.6	184.2	276.2#
56	58.0	42.6	64.0



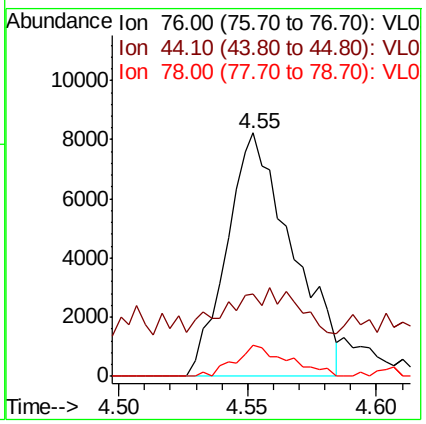


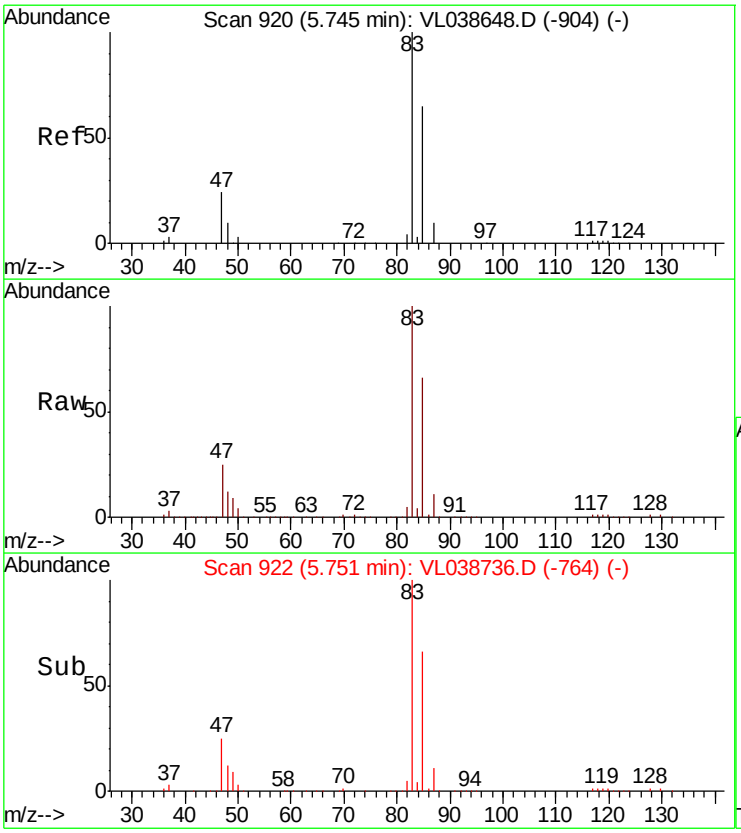
#27
Carbon Disulfide
Concen: 0.212 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 76 Resp: 14550

Ion	Ratio	Lower	Upper
76	100		
44	19.7	12.4	18.6#
78	10.4	7.8	11.8

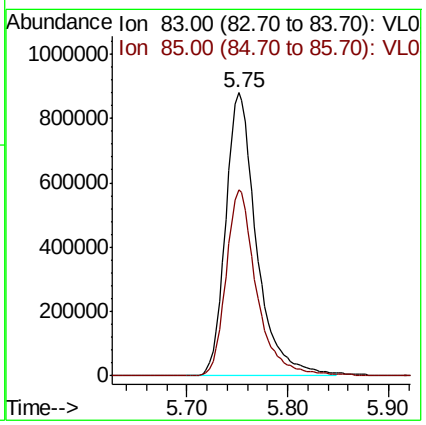


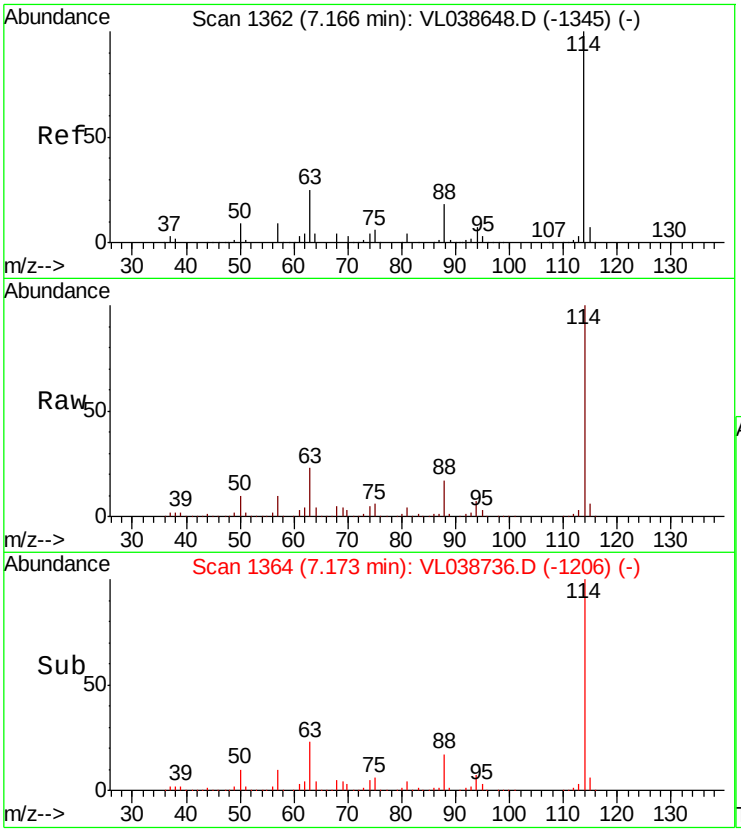


#29
Chloroform
Concen: 16.769 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 83 Resp: 1877789

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.7	77.5



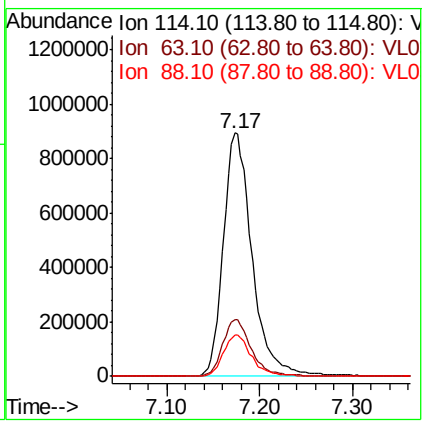


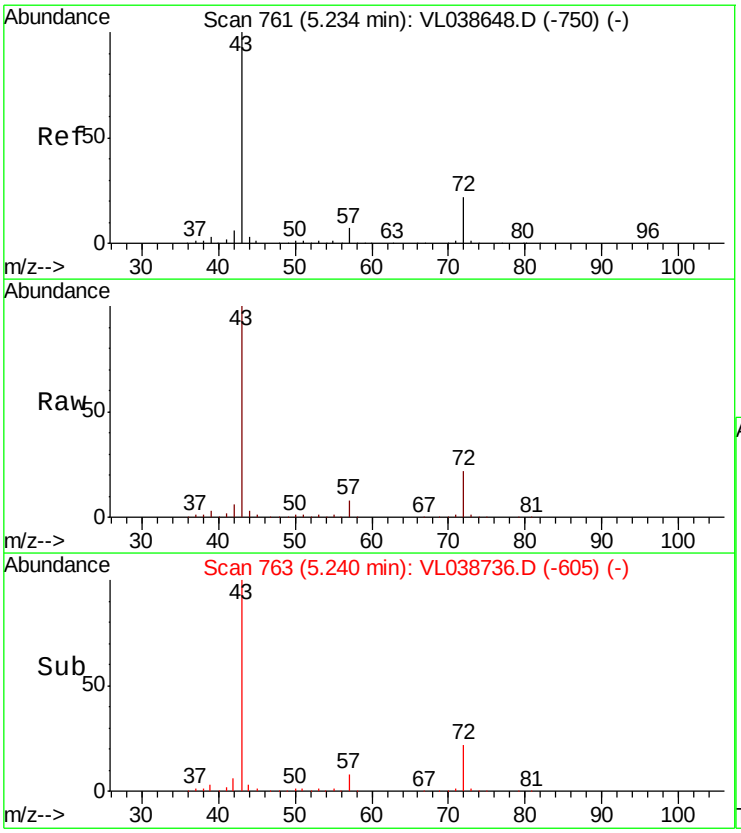
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion:114 Resp: 1923050

Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.4	29.0
88	17.0	13.9	20.9

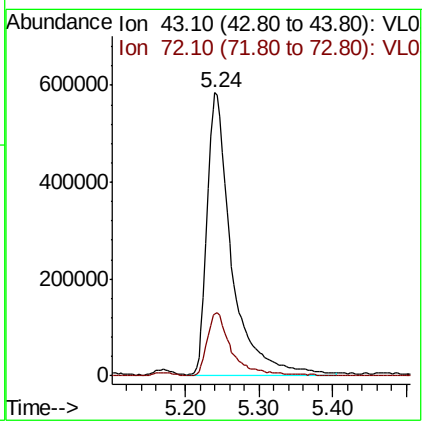


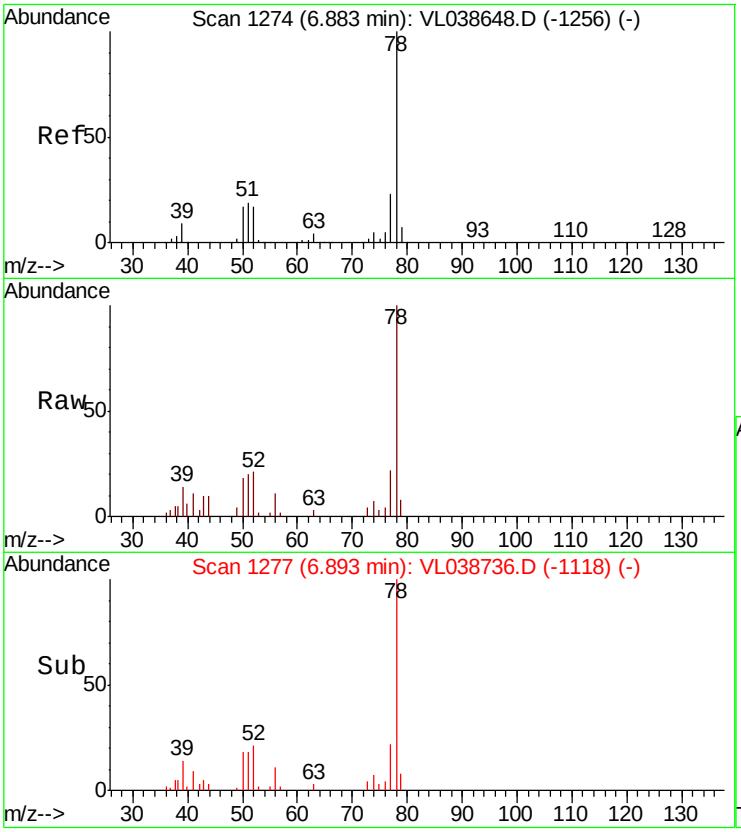


#34
2-Butanone
Concen: 17.677 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 43 Resp: 1345491

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.8	26.8



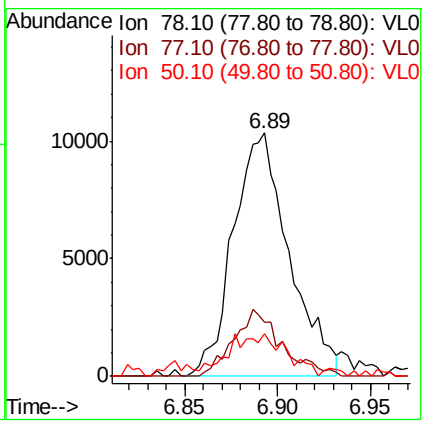


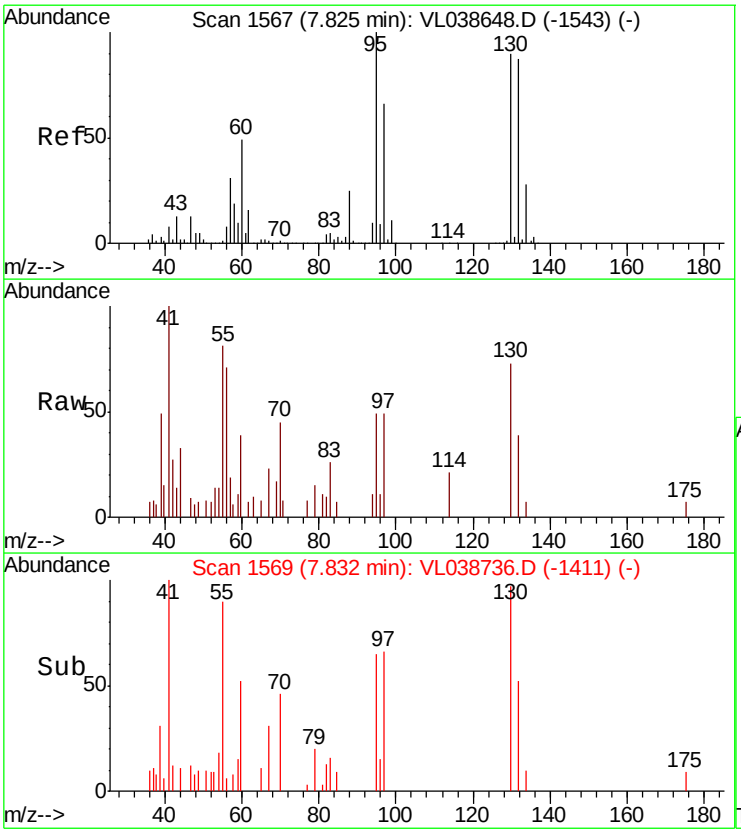
#36
Benzene
Concen: 0.146 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 78 Resp: 21603

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	14.7	13.6	20.4

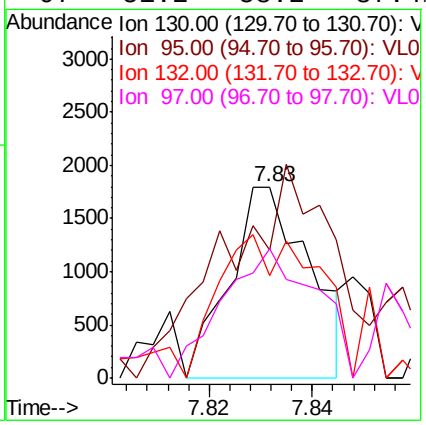


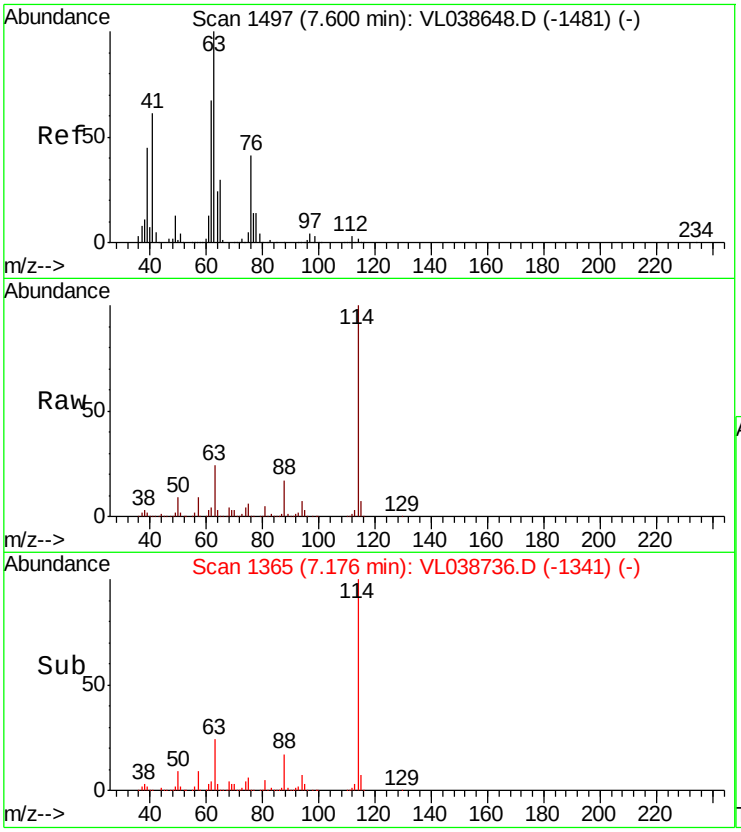


#38
Trichloroethene
Concen: 0.031 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:130 Resp: 1926

Ion	Ratio	Lower	Upper
130	100		
95	25.3	88.9	133.3#
132	53.7	77.4	116.0#
97	51.2	58.2	87.4#



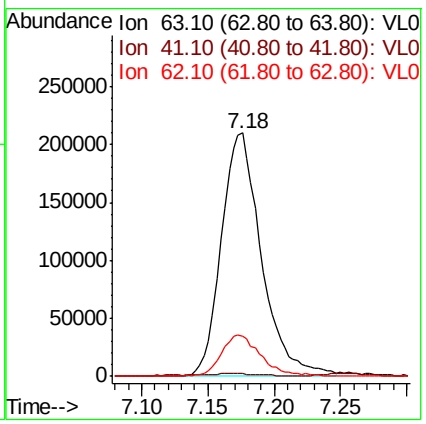


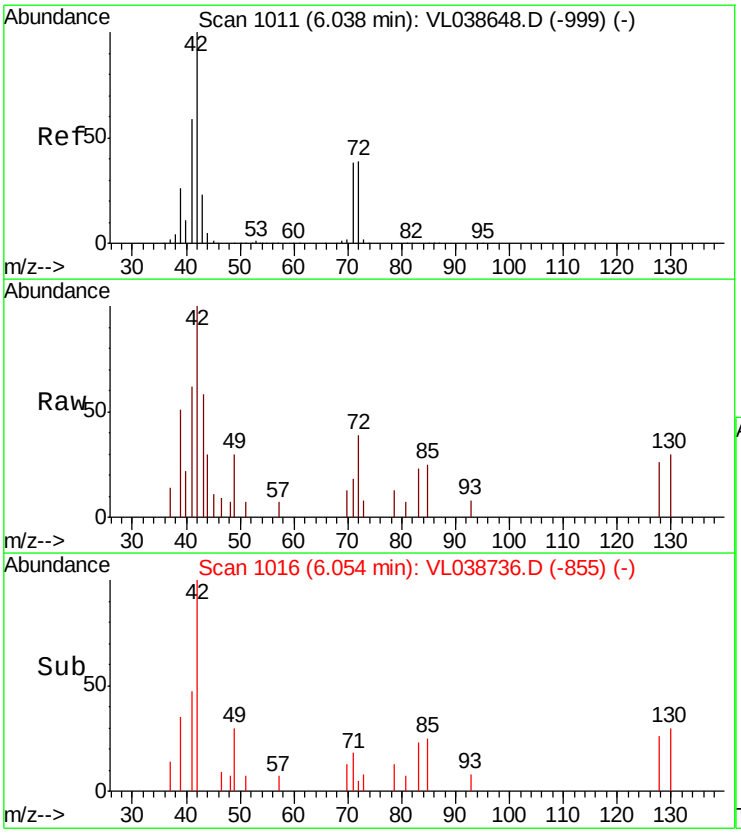
#39
1,2-Dichloropropane
Concen: 7.605 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 63 Resp: 441240

Ion	Ratio	Lower	Upper
63	100		
41	0.4	49.0	73.6#
62	16.1	53.9	80.9#

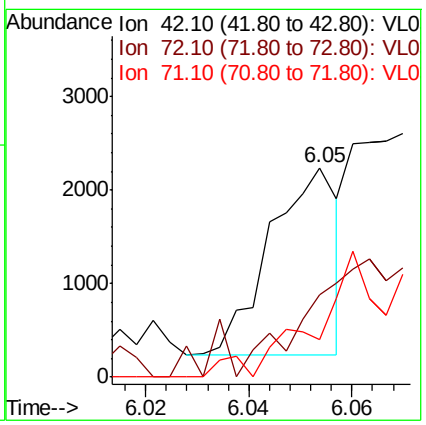


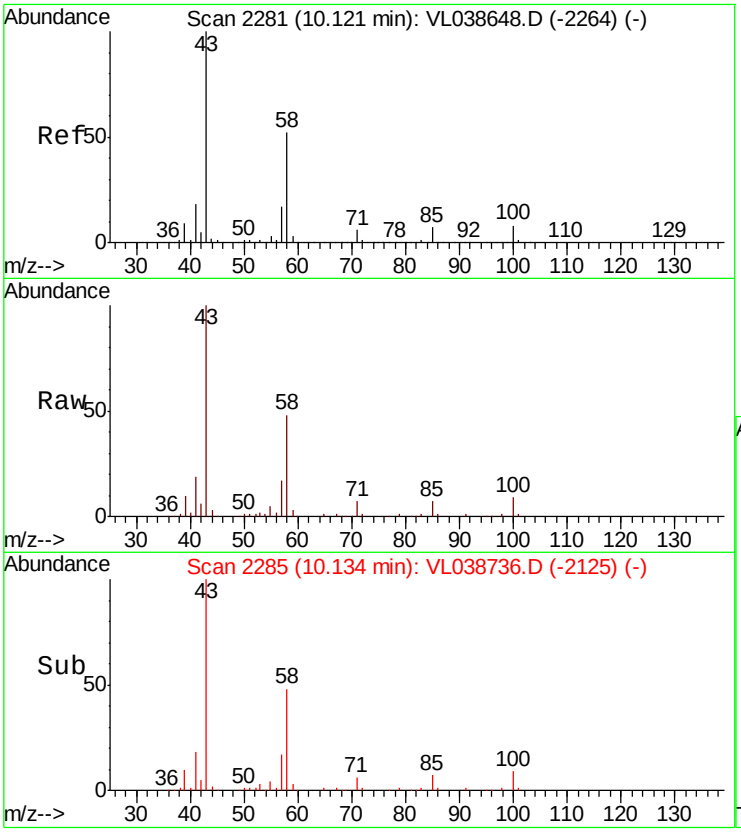


#41
Tetrahydrofuran
Concen: 0.032 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 42 Resp: 1817

Ion	Ratio	Lower	Upper
42	100		
72	21.4	32.5	48.7#
71	0.0	31.4	47.2#



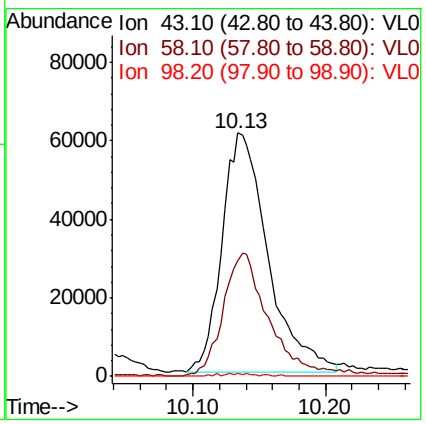


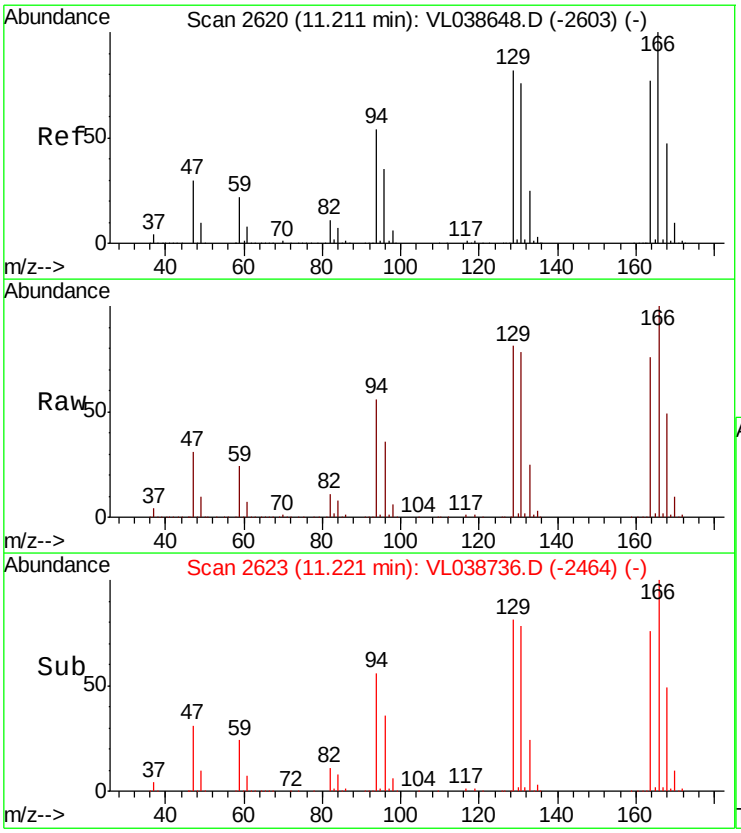
#51
2-Hexanone
Concen: 1.451 ppbv
RT: 10.13
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument : MSVOA_L
ClientSampleId : C0P91

Tgt Ion: 43 Resp: 147442

Ion	Ratio	Lower	Upper
43	100		
58	53.6	41.2	61.8
98	0.9	0.2	0.4#

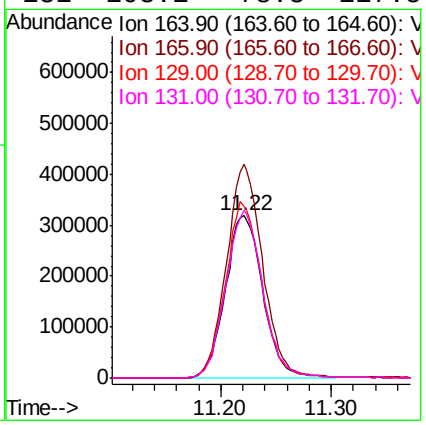


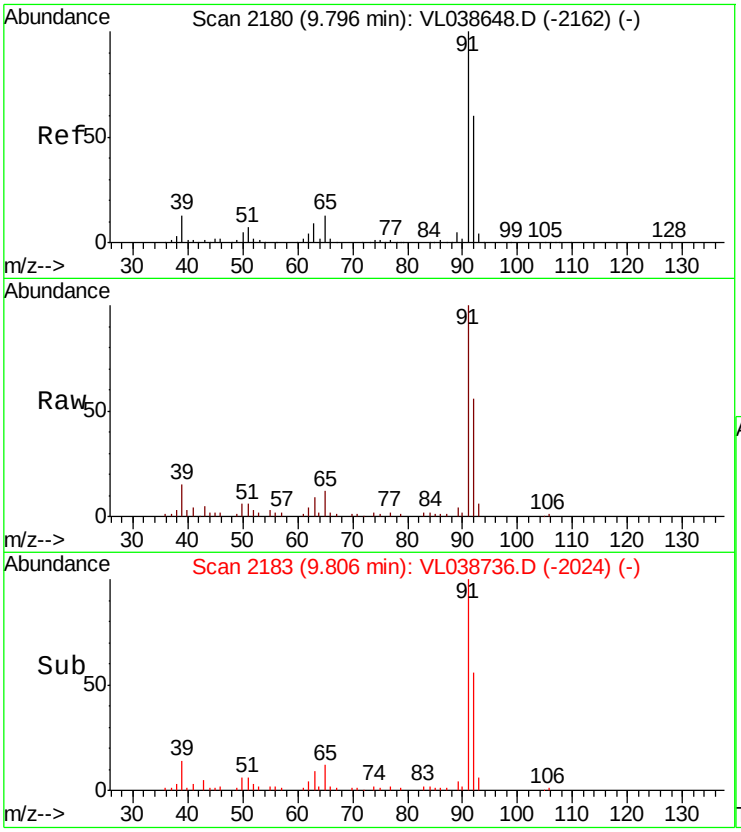


#52
Tetrachloroethene
Concen: 13.726 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:164 Resp: 745497

Ion	Ratio	Lower	Upper
164	100		
166	131.6	103.3	154.9
129	106.0	85.2	127.8
131	103.1	78.3	117.5



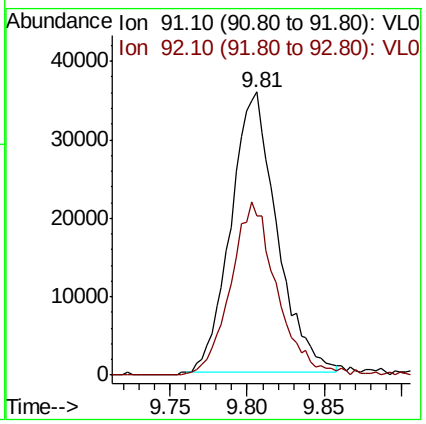


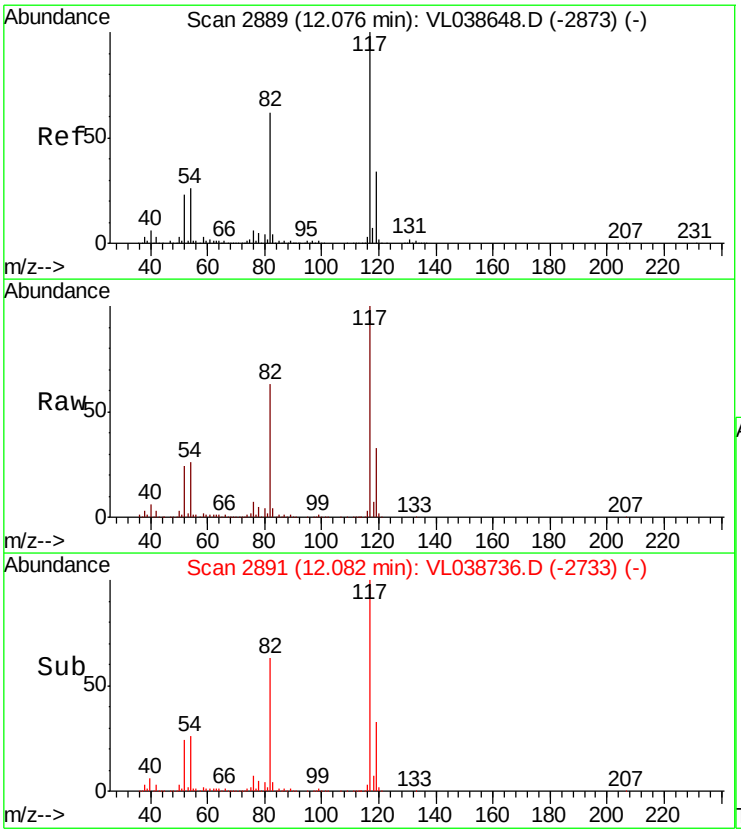
#53
Toluene
Concen: 0.465 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 91 Resp: 74130

Ion	Ratio	Lower	Upper
91	100		
92	62.0	48.7	73.1

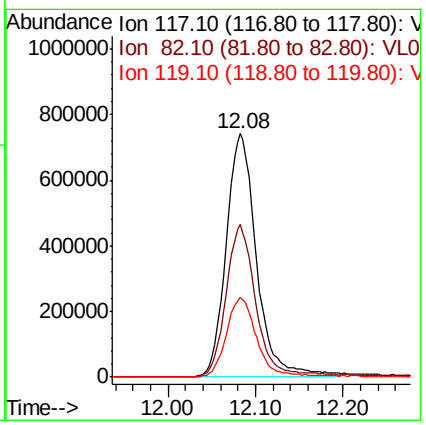


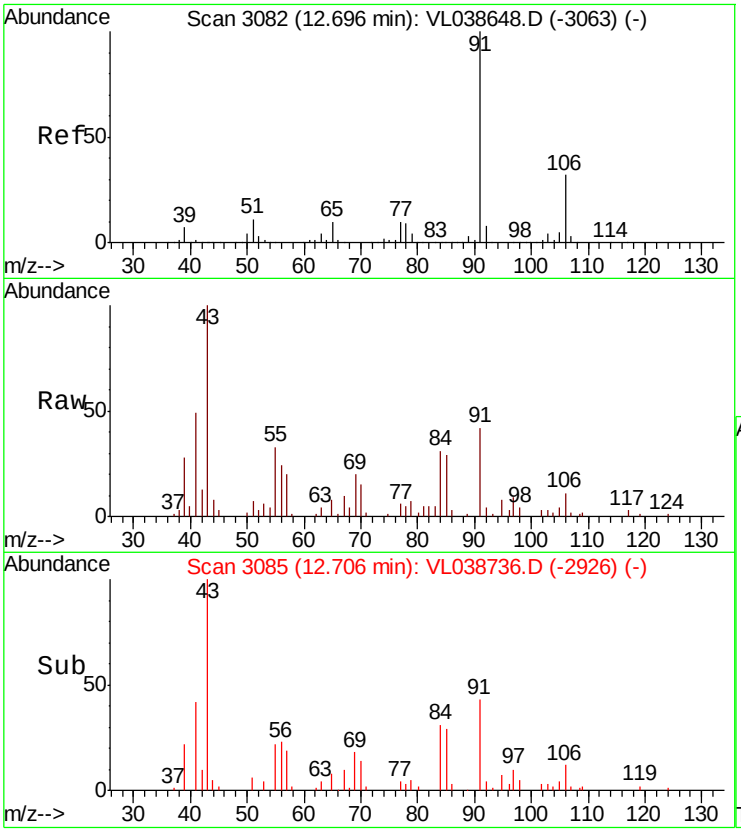


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:117 Resp: 1789507

Ion	Ratio	Lower	Upper
117	100		
82	63.7	51.6	77.4
119	33.8	26.9	40.3



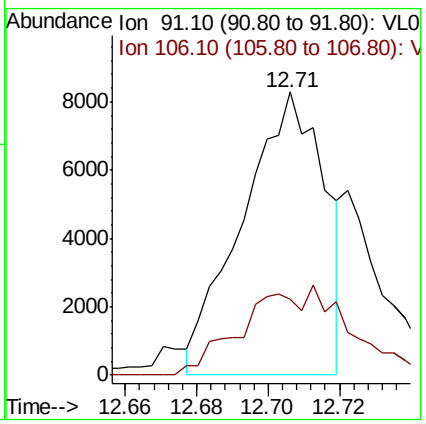


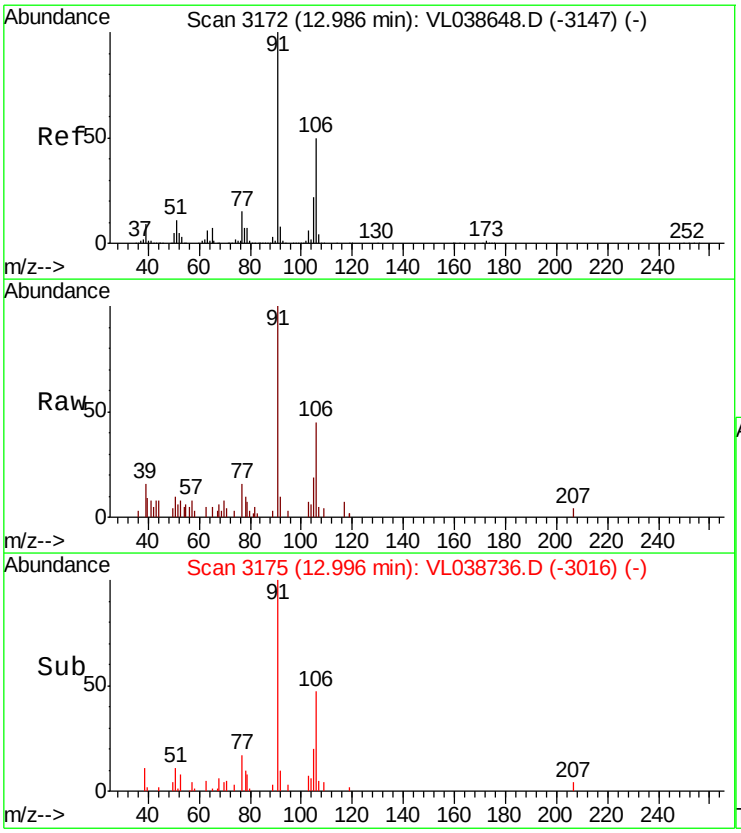
#58
Ethyl Benzene
Concen: 0.063 ppbv
RT: 12.71
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 91 Resp: 13185

Ion	Ratio	Lower	Upper
91	100		
106	25.9	25.4	38.0

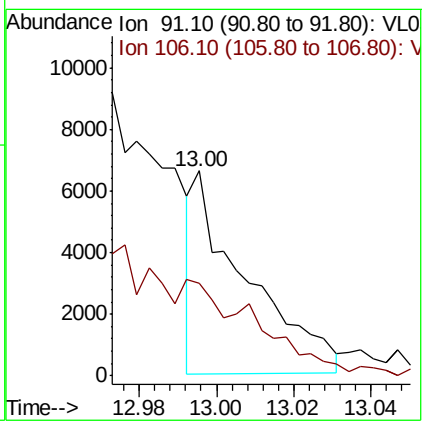


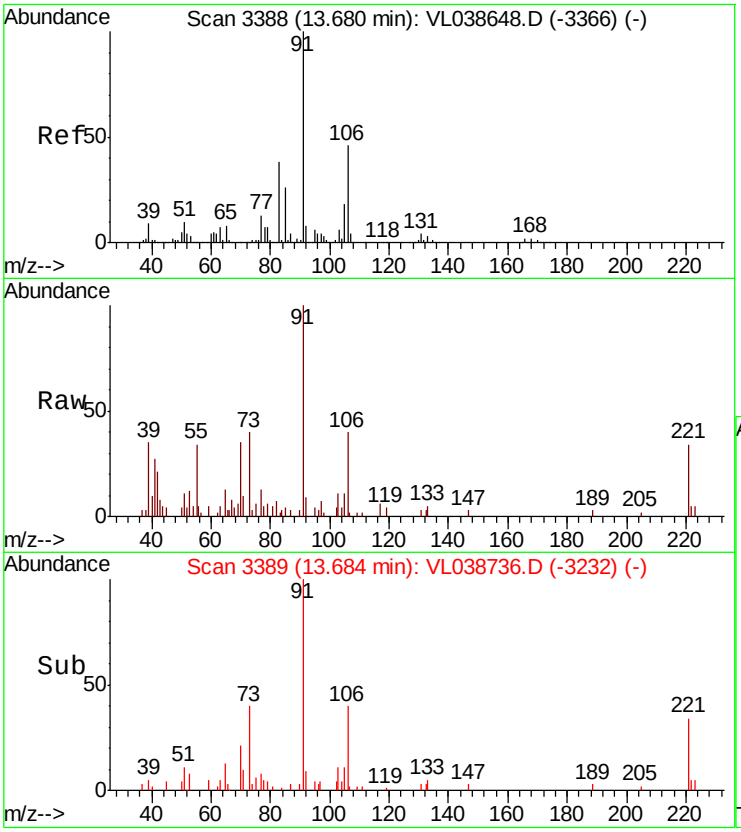


#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion: 91 Resp: 6223

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#



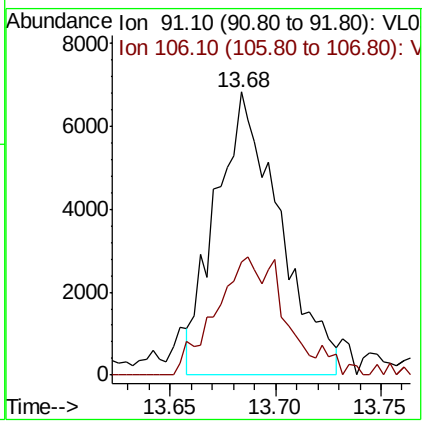


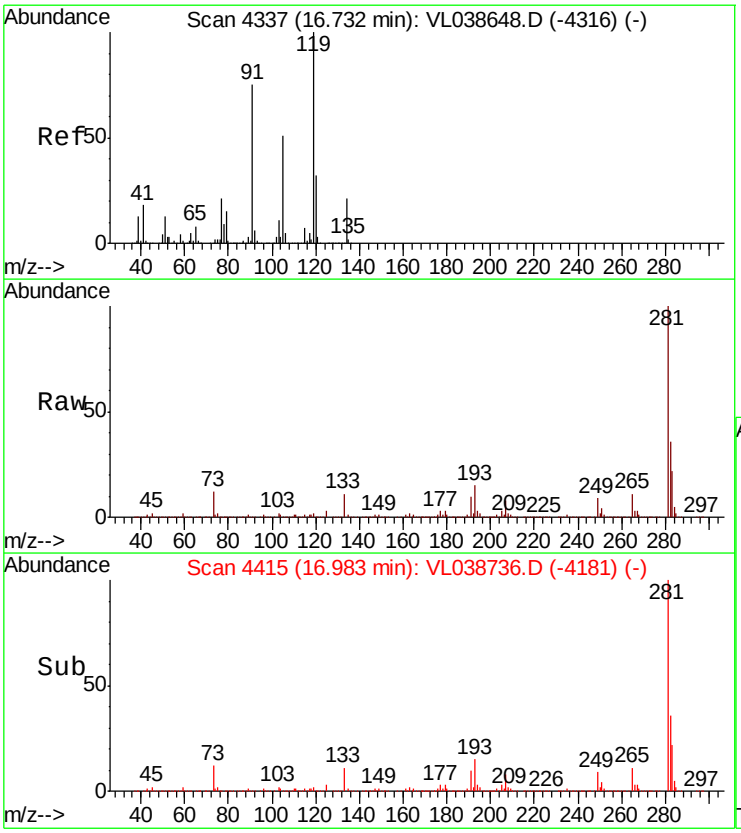
#60
o-Xylene
Concen: 0.083 ppbv
RT: 13.68
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 91 Resp: 14383

Ion	Ratio	Lower	Upper
91	100		
106	47.1	23.5	70.5

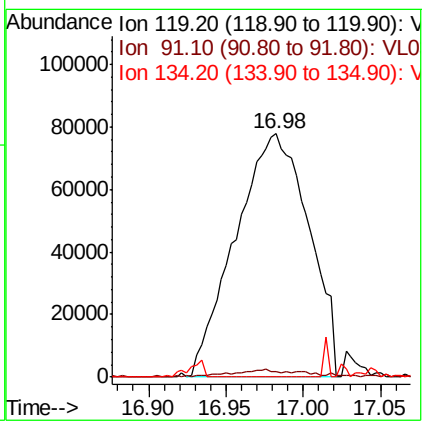


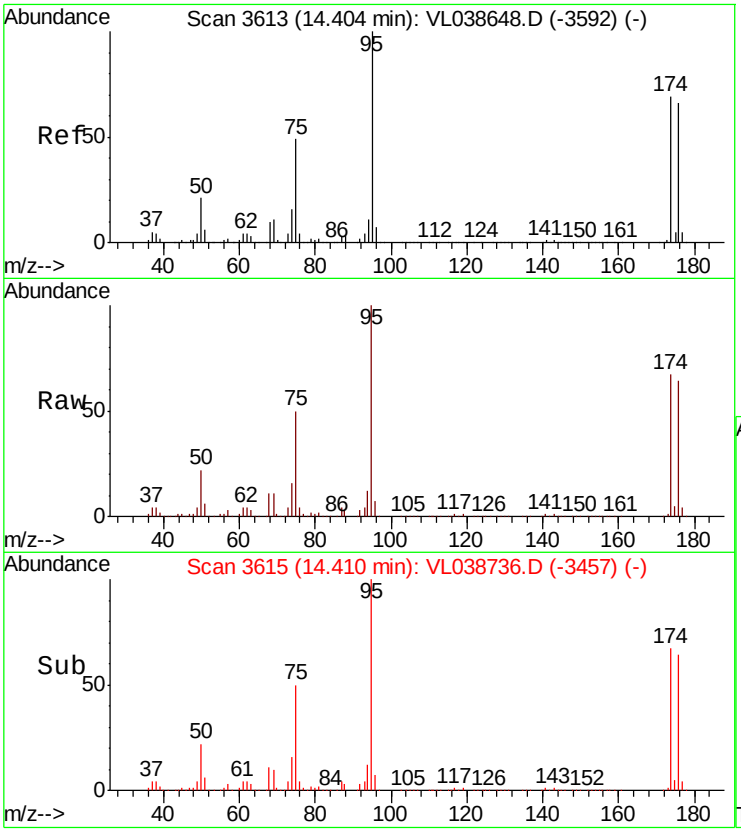


#65
tert-Butylbenzene
Concen: 1.092 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.25 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:119 Resp: 256294

Ion	Ratio	Lower	Upper
119	100		
91	3.8	61.2	91.8#
134	1.4	16.3	24.5#



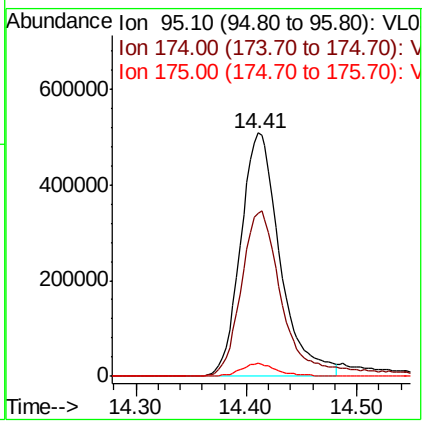


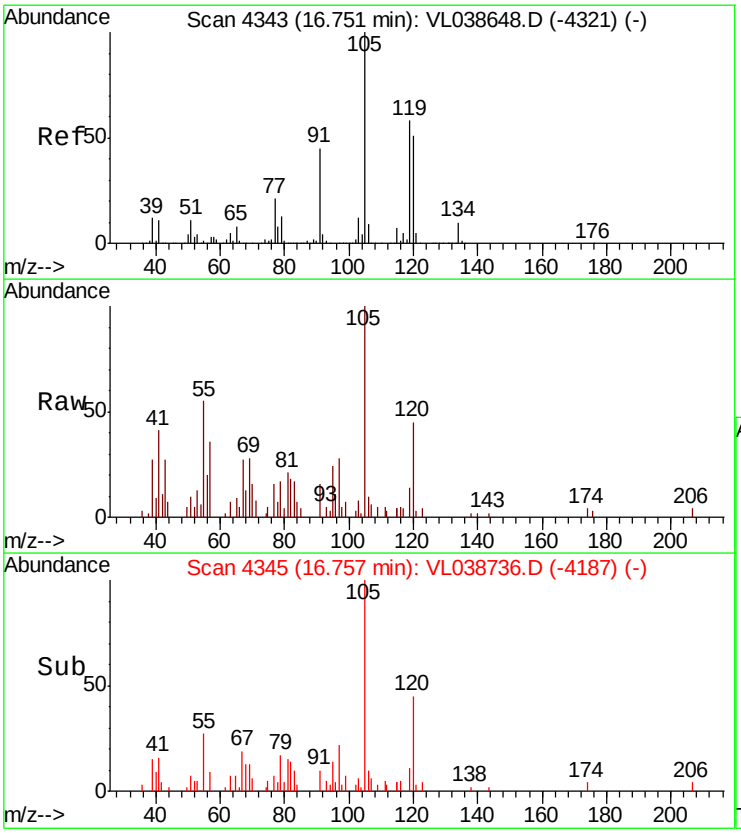
#68
1-Bromo-4-Fluorobenzene
Concen: 9.177 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 24 Mar 2022 4:28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion: 95 Resp: 1259062

Ion	Ratio	Lower	Upper
95	100		
174	73.6	56.1	84.1
175	5.2	4.2	6.2

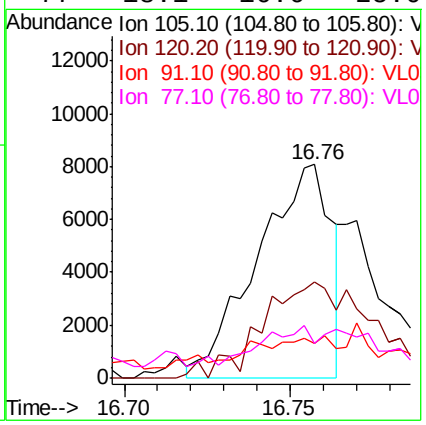


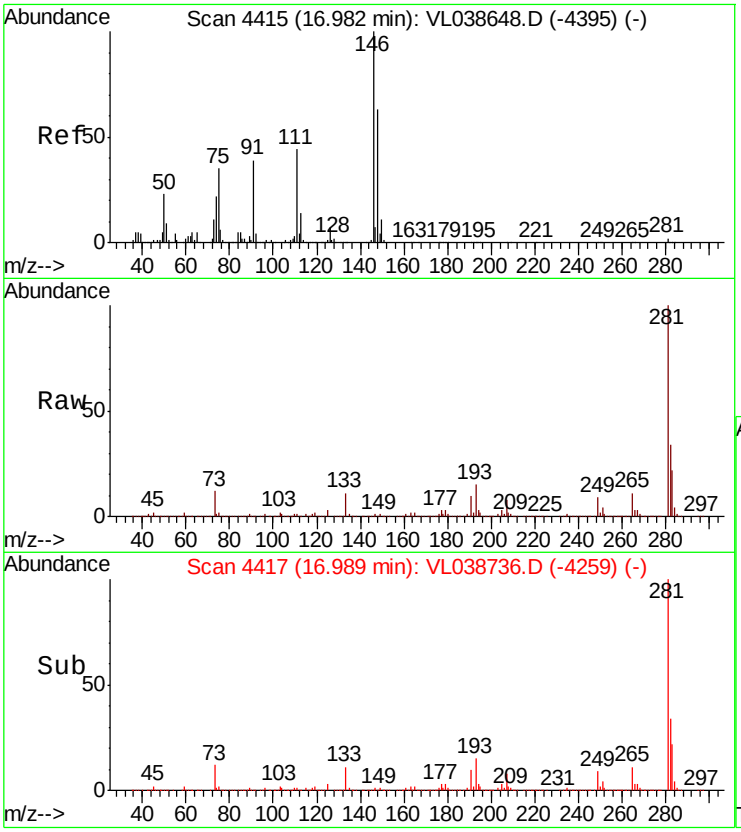


#74
1,2,4-Trimethylbenzene
Concen: 0.062 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.01 min
Lab File: VL038736.D
Acq: 24 Mar 2022 4:28

Tgt Ion:105 Resp: 12556

Ion	Ratio	Lower	Upper
105	100		
120	45.2	40.5	60.7
91	8.4	35.9	53.9#
77	18.1	16.6	25.0





#75
1,3-Dichlorobenzene
Concen: 0.159 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 4.28

Instrument :
MSVOA_L
ClientSampleId :
C0P91

Tgt Ion:146 Resp: 20627

Ion	Ratio	Lower	Upper
146	100		
111	461.4	22.2	66.6#
148	252.1	32.5	97.5#