Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\

Quantitation Report (Not Reviewed)

Data File : VL035401.D
Acq On : 13 Aug 2020 11:34
Operator : SY/AP
Sample : VL0813ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 14 04:28:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1410480	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3332446	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4025755	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2724657	8.38	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1638860	9.648	ppbv		100
3) Chlorodifluoromethane	2.98	51	1570463	9.577	ppbv		97
4) Chloromethane	3.13	50	847786	9.251	ppbv		97
5) Vinyl Chloride	3.25	62	807187	8.912	ppbv		98
6) Bromomethane	3.47	94	488694	9.730	ppbv		93
7) Chloroethane	3.55	64	297540	9.313	ppbv		98
8) Dichlorotetrafluoroethane	3.18	85	1829364	9.278	ppbv		96
9) Propene	3.00	41	741448	8.728	ppbv		99
10) Heptane	8.13	43	1945076	8.840	ppbv		99
11) Trichlorofluoromethane	3.94	101	1947003	9.452	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1284237	9.161	ppbv		95
13) Ethanol	3.60	45	189632	6.807	ppbv		98
14) Bromoethene	3.73	108	586146	9.359	ppbv		99
15) Acetone	3.84	43	1452862	8.178	ppbv		99
16) 1,3-Butadiene	3.32	39	767976	8.419	ppbv		98
17) tert-Butyl alcohol	4.29	59	1778063	8.581	ppbv		100
18) 1,1-Dichloroethene	4.29	96	589631	9.181	ppbv		98
19) Isopropyl Alcohol	3.96	45	1218859	8.792	ppbv	#	45
20) Methylene Chloride	4.34	84	536242	7.994	ppbv		95
21) Allyl Chloride	4.41	41	1018349	8.730	ppbv		98
22) trans-1,2-Dichloroethene	4.88	96	604930	9.376	ppbv		95
23) Vinyl Acetate	5.07	43	2467767	8.701	ppbv		99
24) 1,1-Dichloroethane	5.01	63	1710187	9.157	ppbv		99
25) Ethyl Acetate	5.68	43	3134871	8.549	ppbv		99
26) Hexane	5.69	57	1375824	8.575	ppbv		99
27) Carbon Disulfide	4.55	76	1568414	9.156	ppbv		99
28) Methyl tert-Butyl Ether	5.03	73	2321828	8.764	ppbv		99
29) Chloroform	5.75	83	2182670	9.532	ppbv		99
30) Cyclohexane	7.13	84	1199478	9.070	ppbv		97
31) cis-1,2-Dichloroethene	5.55	61	1491870	9.377	ppbv		99
32) 1,1,1-Trichloroethane	6.51	97	2183429	8.741	ppbv		100
34) 2-Butanone	5.24	43	2168912	9.133	ppbv		99
35) Carbon Tetrachloride	7.02	117	2155312	9.304	ppbv		95
36) Benzene	6.90	78	2901743	9.080	ppbv		99
37) 1,2-Dichloroethane	6.31	62	1724138	9.720	ppbv		99
38) Trichloroethene	7.84	130	1015087	8.106	ppbv		96
39) 1,2-Dichloropropane	7.62	63	1158380	9.155	ppbv		95
40) 1,4-Dioxane	7.84	88	464517	9.013	ppbv	#	1
41) Tetrahydrofuran	6.05	42	1278088	9.021	ppbv		98
42) Bromodichloromethane	7.80	83	2386169	9.550	ppbv		99
43) Methyl Methacrylate	8.02	69	1316394	9.286	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\

Quantitation Report (Not Reviewed)

Data File : VL035401.D
Acq On : 13 Aug 2020 11:34
Operator : SY/AP
Sample : VL0813ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 14 04:28:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4812378	8.754	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	1565323	9.516	ppbv		96
46) cis-1,3-Dichloropropene	8.71	75	1779678	9.264	ppbv		97
47) 1,1,2-Trichloroethane	9.48	97	1195878	9.318	ppbv		95
48) Dibromochloromethane	10.32	129	1925909	9.389	ppbv		100
49) Bromoform	13.06	173	1590378	9.457	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	3191128	8.916	ppbv		100
51) 2-Hexanone	10.14	43	2739630	9.092	ppbv		99
52) Tetrachloroethene	11.24	164	920456	8.123	ppbv		93
53) Toluene	9.82	91	3377102	8.903	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1859446	9.148	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1414724	7.232	ppbv		96
57) Chlorobenzene	12.16	112	2432989	7.089	ppbv		98
58) Ethyl Benzene	12.73	91	4606518	7.240	ppbv		99
59) m/p-Xylene	13.01	91	3739564	7.048	ppbv	#	33
60) o-Xylene	13.71	91	3634692	7.074	ppbv		99
61) Styrene	13.55	104	2734882	7.210	ppbv		97
62) Isopropylbenzene	14.69	105	5417000	7.029	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2606681	6.955	ppbv		100
64) n-propylbenzene	15.58	120	1451286	7.138	ppbv		94
65) tert-Butylbenzene	16.77	119	4586998	6.761	ppbv		96
66) Benzyl Chloride	17.01	91	2100926	6.856	ppbv		98
67) sec-Butylbenzene	17.32	105	6766346	6.918	ppbv		99
69) p-Isopropyltoluene	17.68	119	5586996	6.853	ppbv		98
70) n-Butylbenzene	18.57	91	6301190	6.981	ppbv		99
71) 2-Chlorotoluene	15.47	91	4461042	7.191	ppbv		98
72) 4-Ethyltoluene	15.86	105	4511603	7.194	ppbv		98
73) 1,3,5-Trimethylbenzene	16.02	105	4202569	7.147	ppbv		97
74) 1,2,4-Trimethylbenzene	16.79	105	4226468	6.834	ppbv		96
75) 1,3-Dichlorobenzene	17.02	146	2320137	6.874	ppbv		98
76) 1,4-Dichlorobenzene	17.16	146	2423350	6.990	ppbv		98
77) 1,2-Dichlorobenzene	17.84	146	2374076	6.977	ppbv		99
78) Hexachloro-1,3-Butadiene	23.40	225	1806423	6.438	ppbv		100
79) Naphthalene	22.23	128	5086065	6.603	ppbv		99
80) Naphthalene,2-methyl-	24.99	142	2282076	6.362	ppbv		99
81) 1,2,4-Trichlorobenzene	21.96	180	2382554	6.535	ppbv		99

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

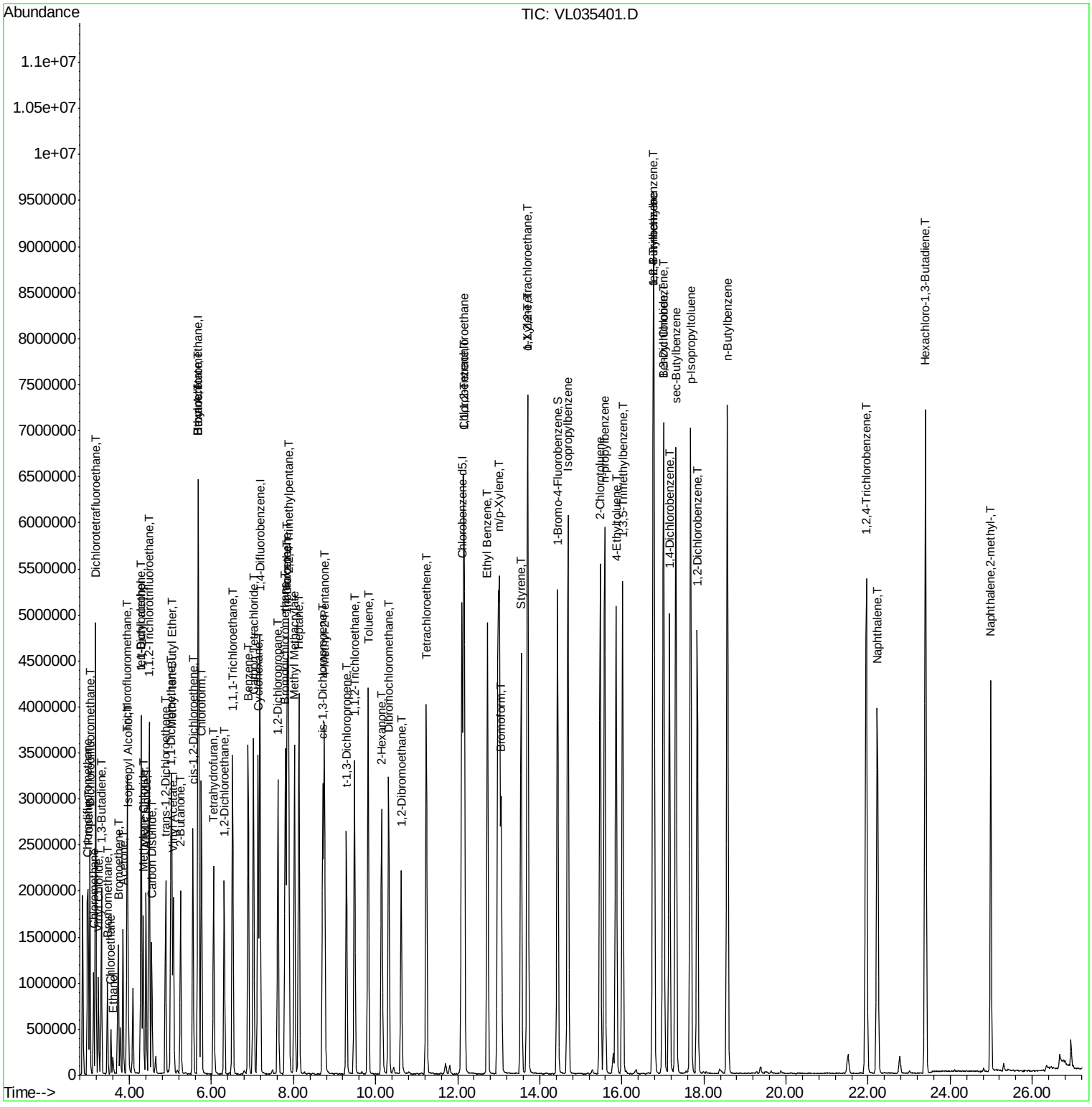
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\

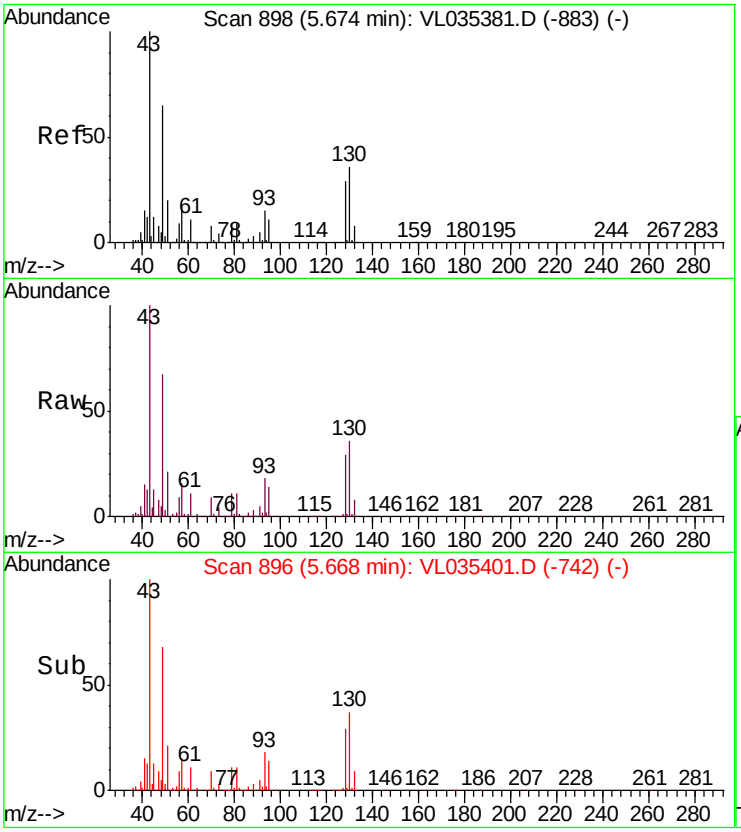
Quantitation Report (Not Reviewed)

Data File : VL035401.D
Acq On : 13 Aug 2020 11:34
Operator : SY/AP
Sample : VL0813ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 14 04:28:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration



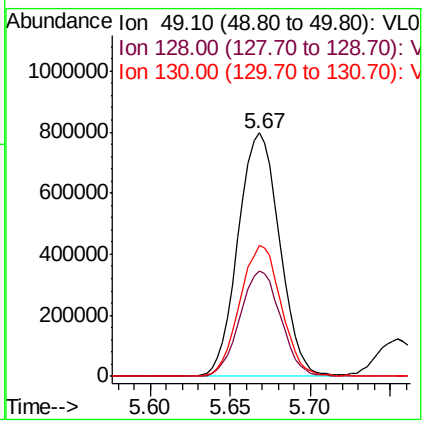


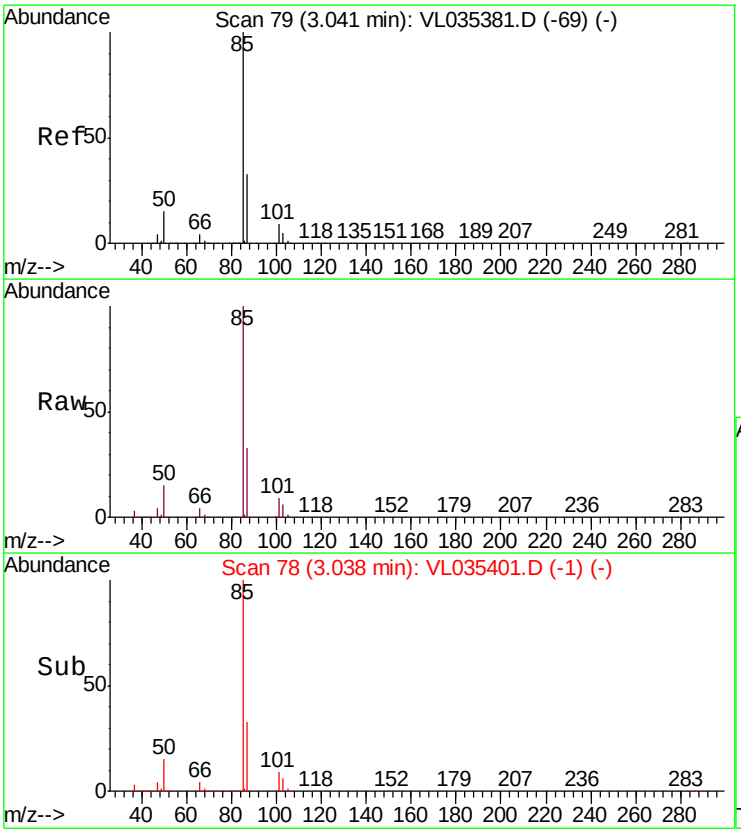
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1410480

Ion	Ratio	Lower	Upper
49	100		
128	42.8	21.8	65.3
130	54.2	27.9	83.6

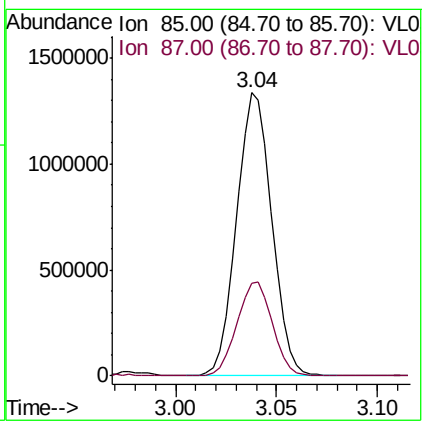


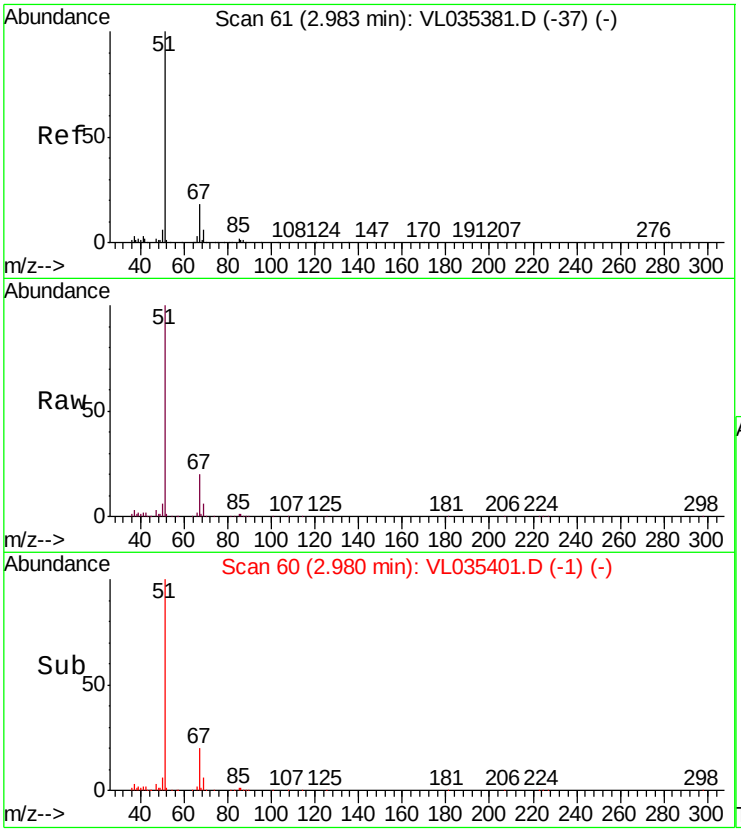


#2
Dichlorodifluoromethane
Concen: 9.648 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 85 Resp: 1638860

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.1	39.1



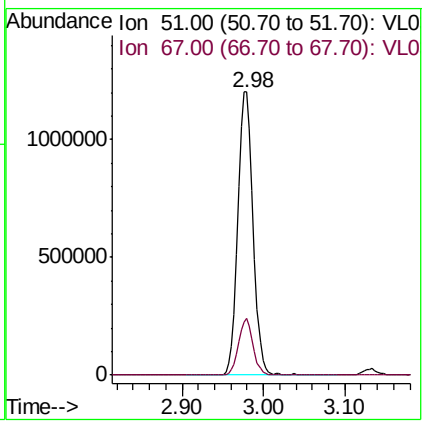


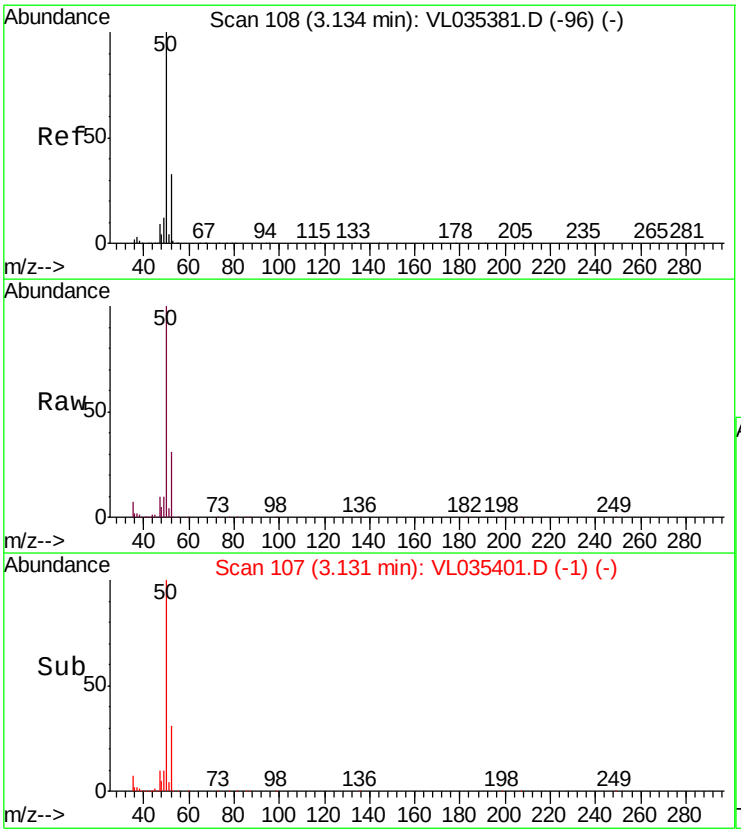
#3
Chlorodifluoromethane
Concen: 9.577 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1570463

Ion	Ratio	Lower	Upper
51	100		
67	18.8	14.1	21.1

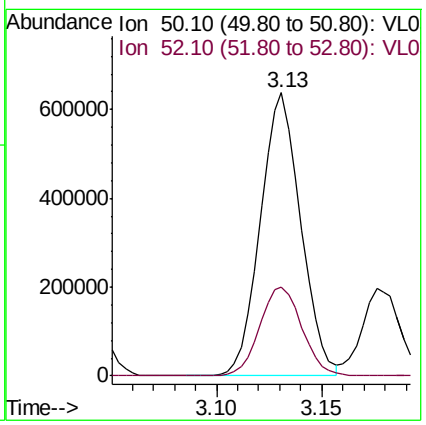


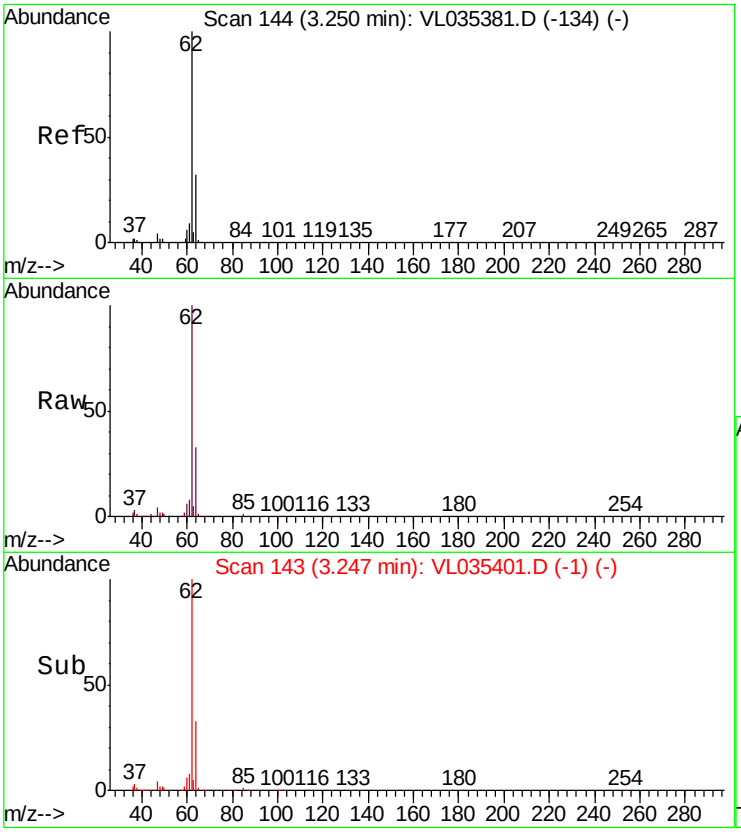


#4
Chloromethane
Concen: 9.251 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 50 Resp: 847786

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.6	39.8



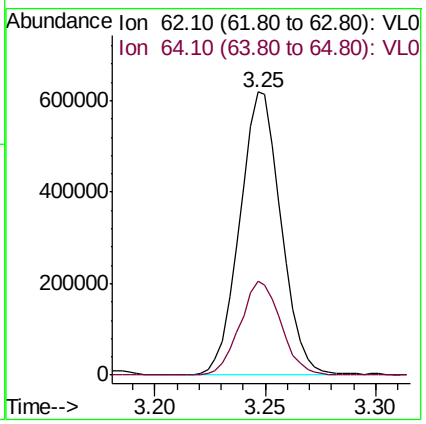


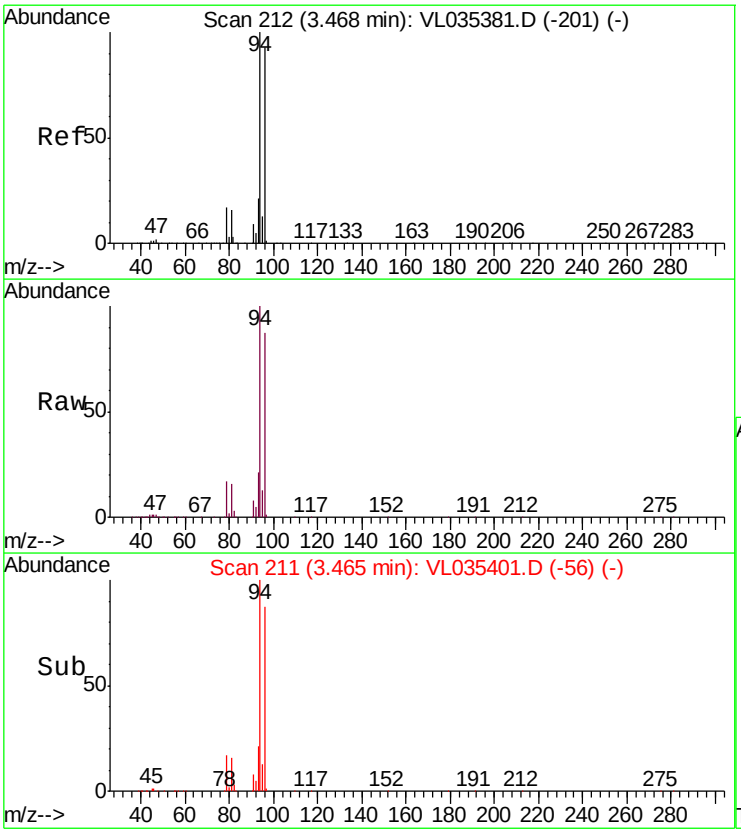
#5
Vinyl Chloride
Concen: 8.912 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 807187

Ion	Ratio	Lower	Upper
62	100		
64	33.3	25.7	38.5

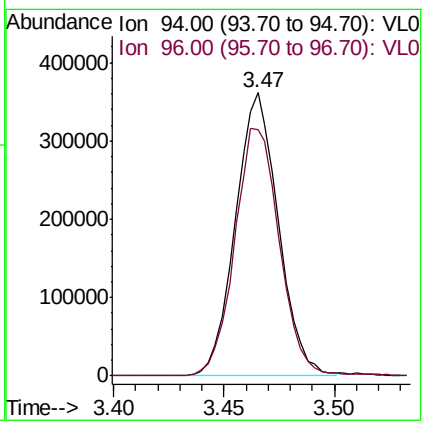


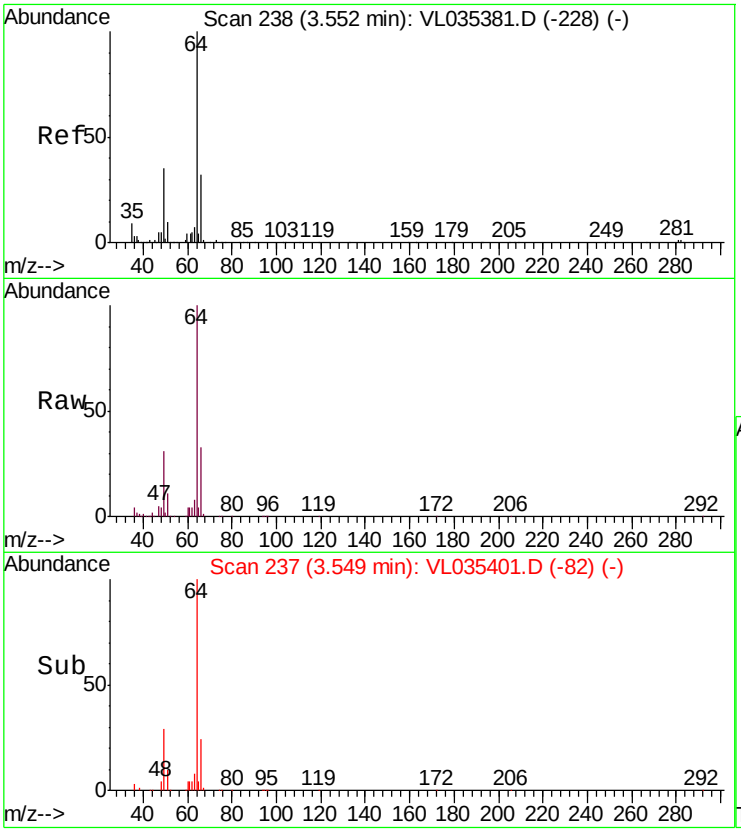


#6
Bromomethane
Concen: 9.730 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 94 Resp: 488694

Ion	Ratio	Lower	Upper
94	100		
96	86.7	74.4	111.6



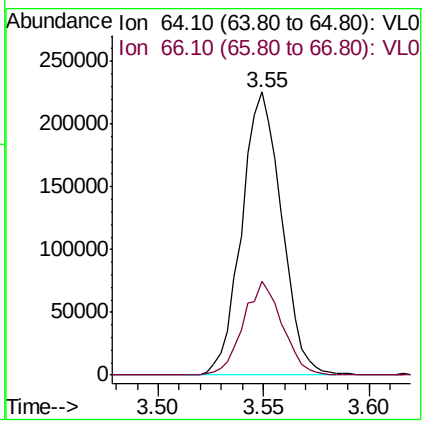


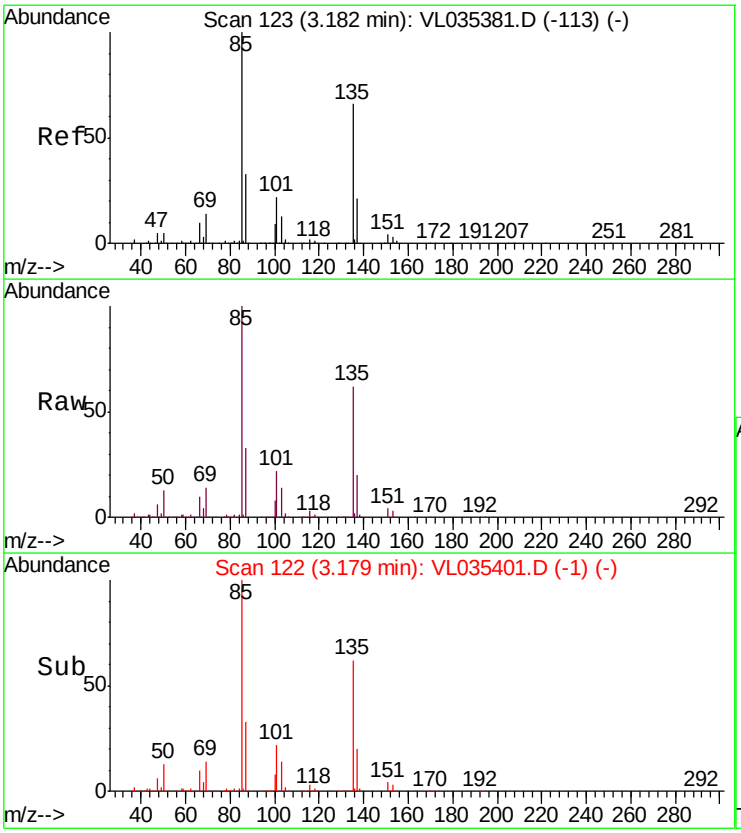
#7
Chloroethane
Concen: 9.313 ppbv
RT: 3.55 min Scan# 237
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 297540

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.7	38.5

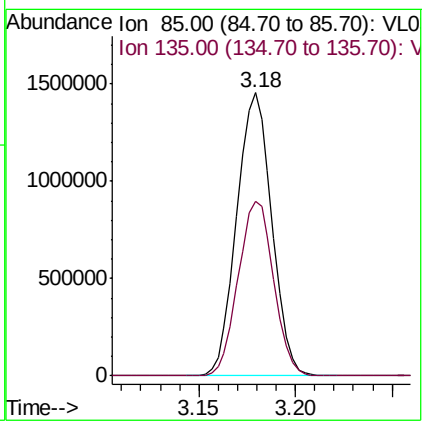


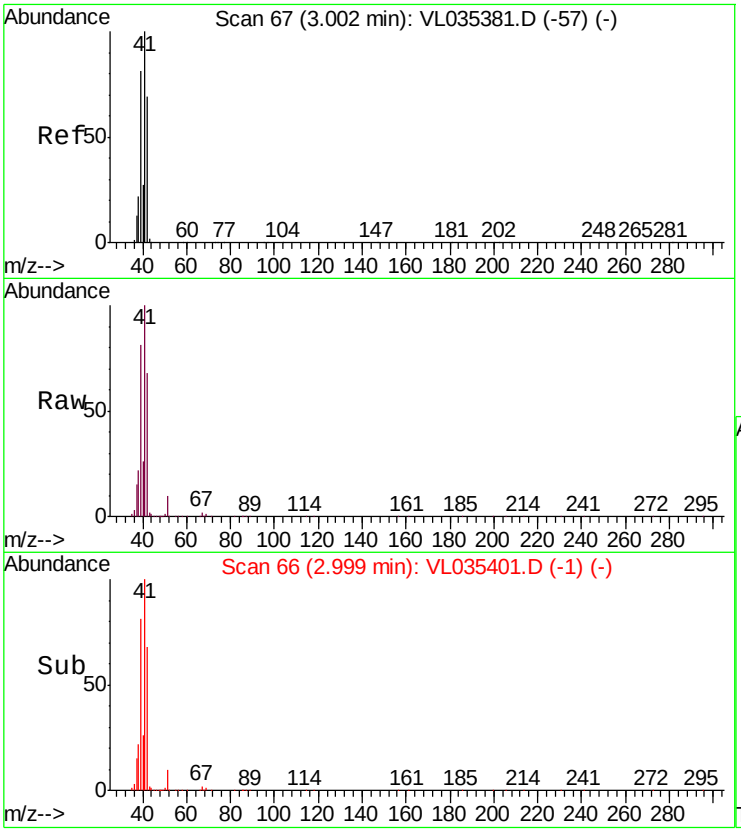


#8
Dichlorotetrafluoroethane
Concen: 9.278 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 85 Resp: 1829364

Ion	Ratio	Lower	Upper
85	100		
135	62.7	52.5	78.7



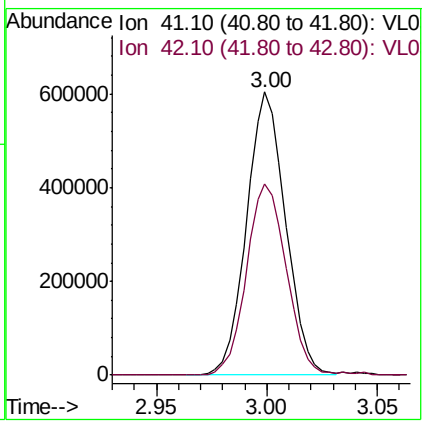


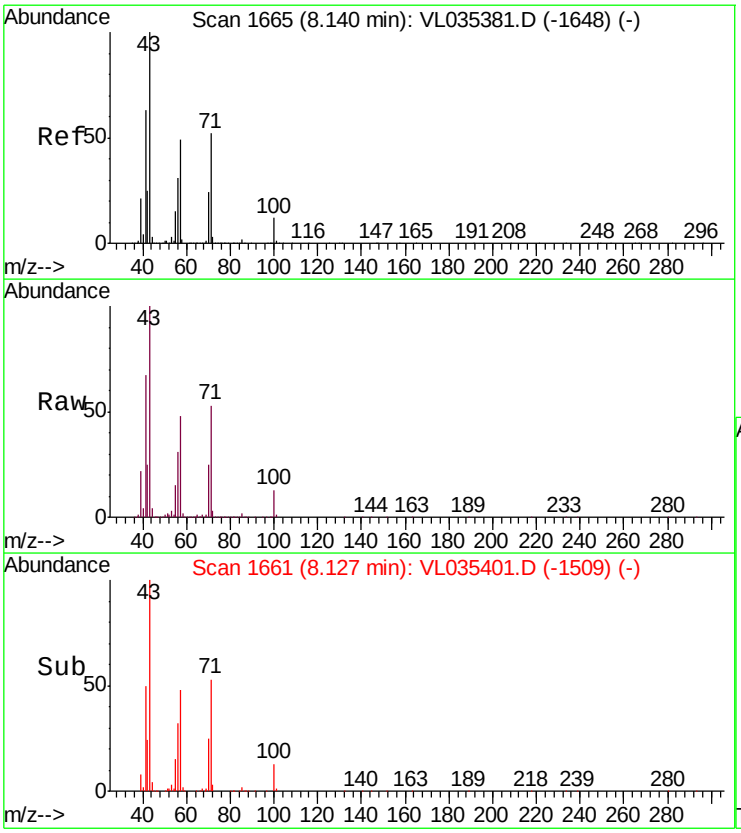
#9
Propene
Concen: 8.728 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 741448

Ion	Ratio	Lower	Upper
41	100		
42	69.8	55.4	83.2

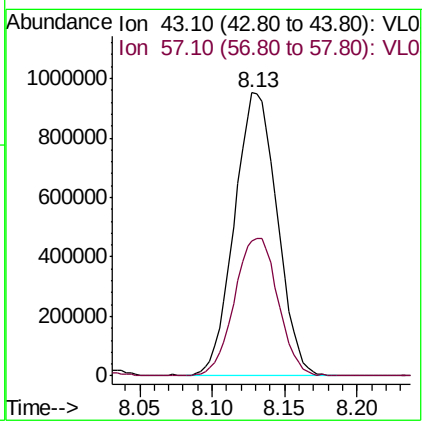


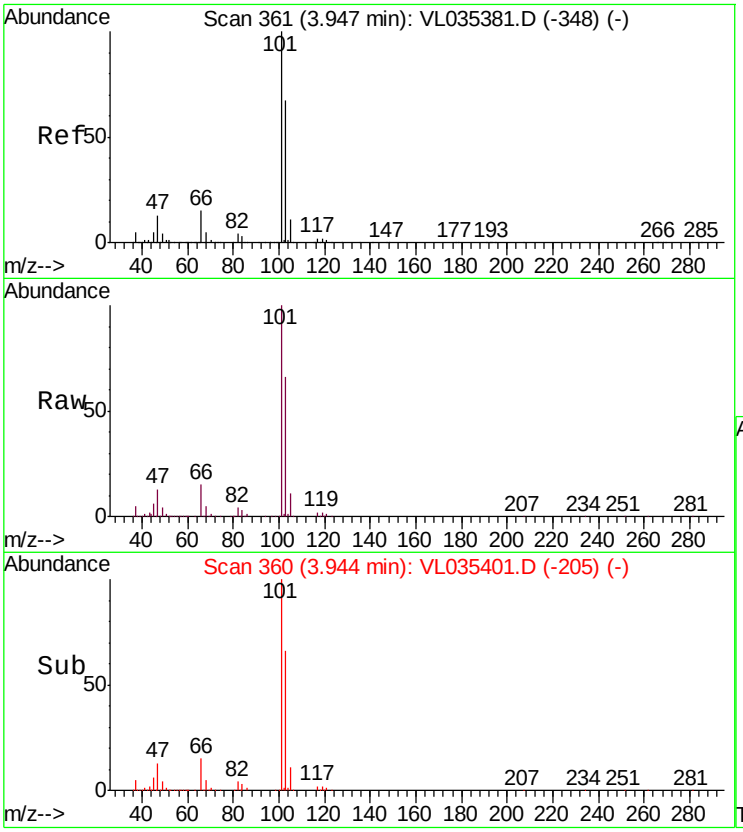


#10
Heptane
Concen: 8.840 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 1945076

Ion	Ratio	Lower	Upper
43	100		
57	49.7	39.4	59.2



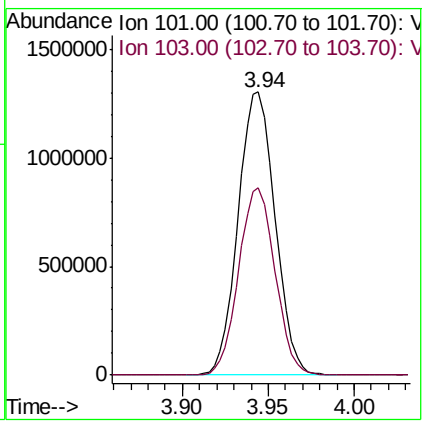


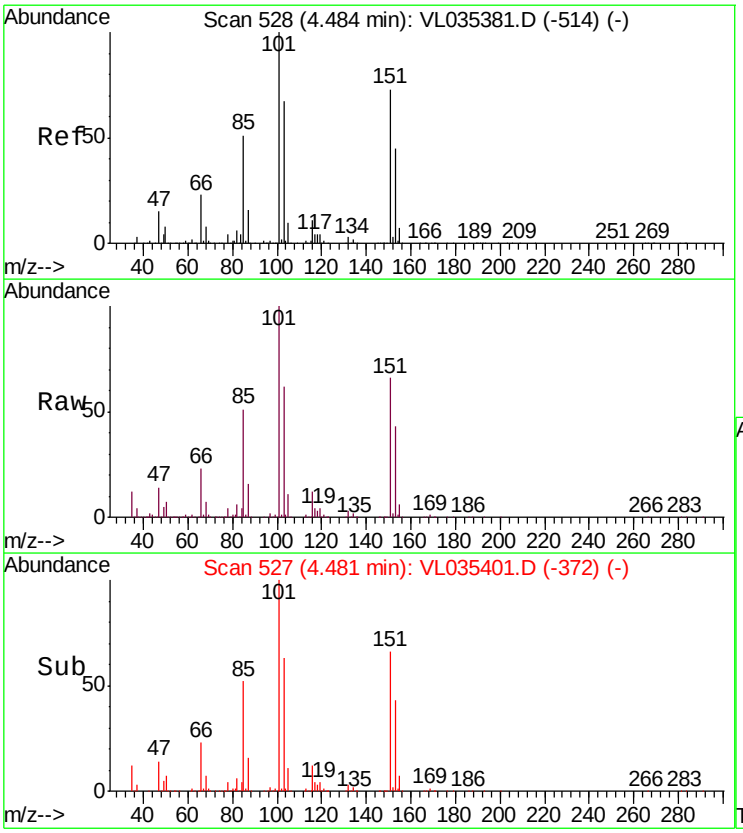
#11
Trichlorofluoromethane
Concen: 9.452 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1947003

Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.3	79.9

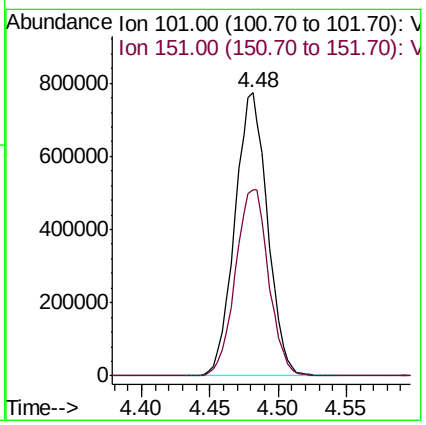


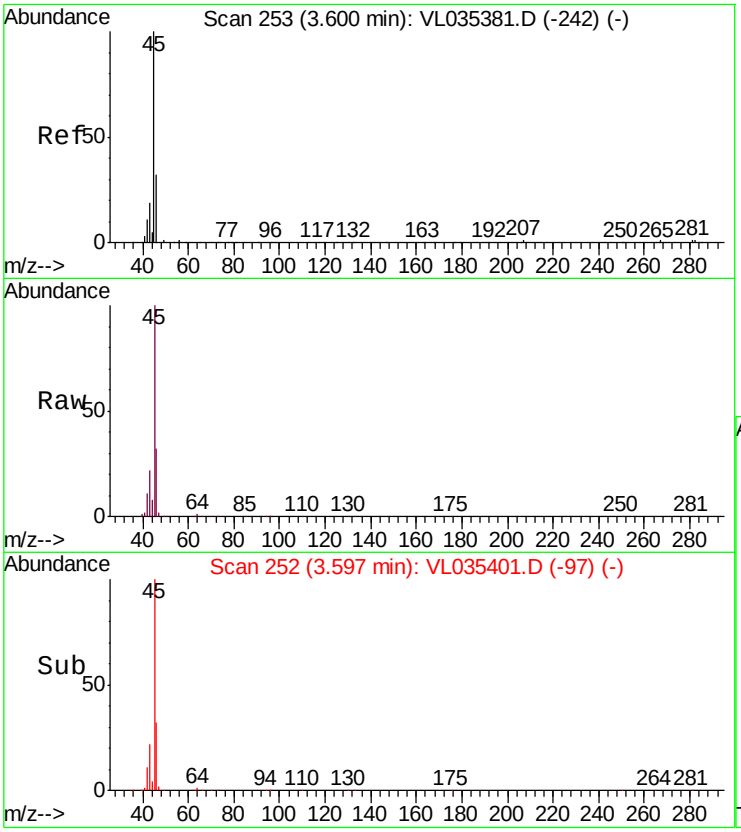


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.161 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:101 Resp: 1284237

Ion	Ratio	Lower	Upper
101	100		
151	67.0	57.0	85.6



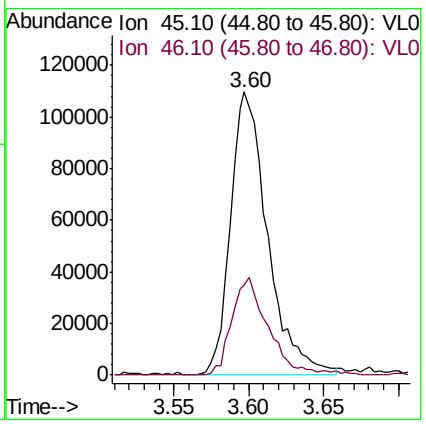


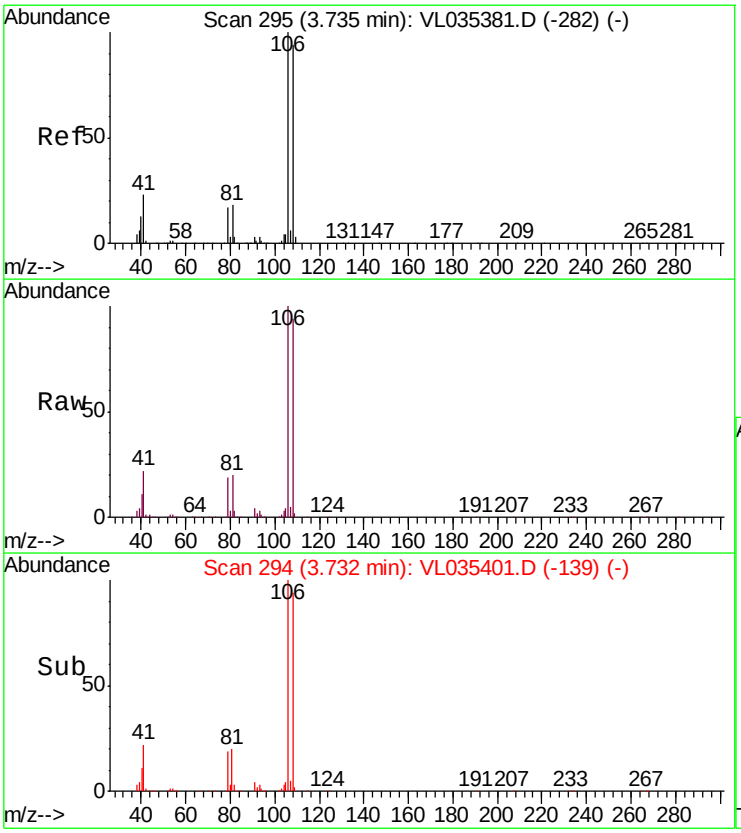
#13
Ethanol
Concen: 6.807 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 189632

Ion	Ratio	Lower	Upper
45	100		
46	34.1	14.1	56.3

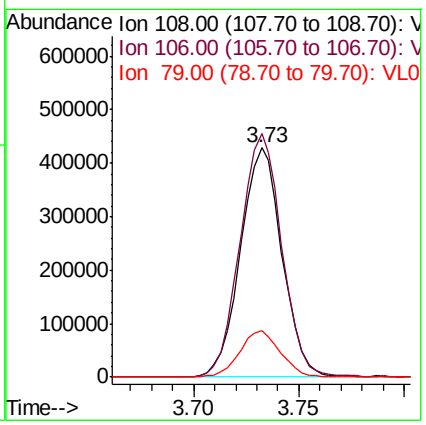


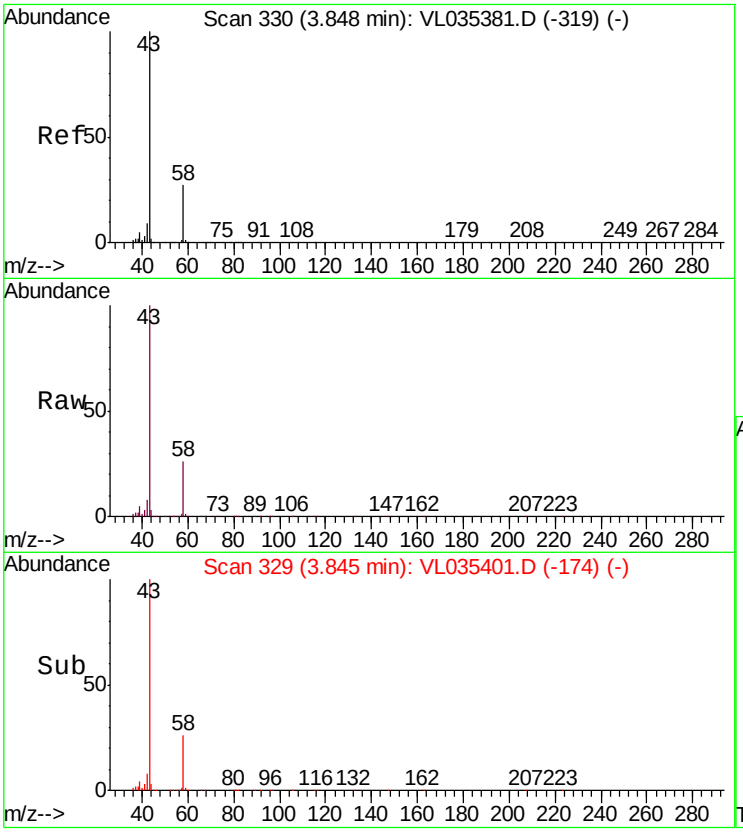


#14
Bromoethene
Concen: 9.359 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:108 Resp: 586146

Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.9	127.3
79	20.1	15.8	23.8



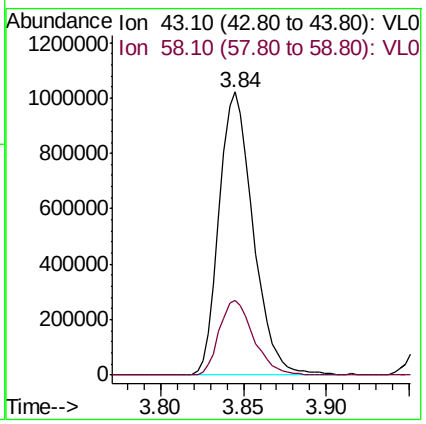


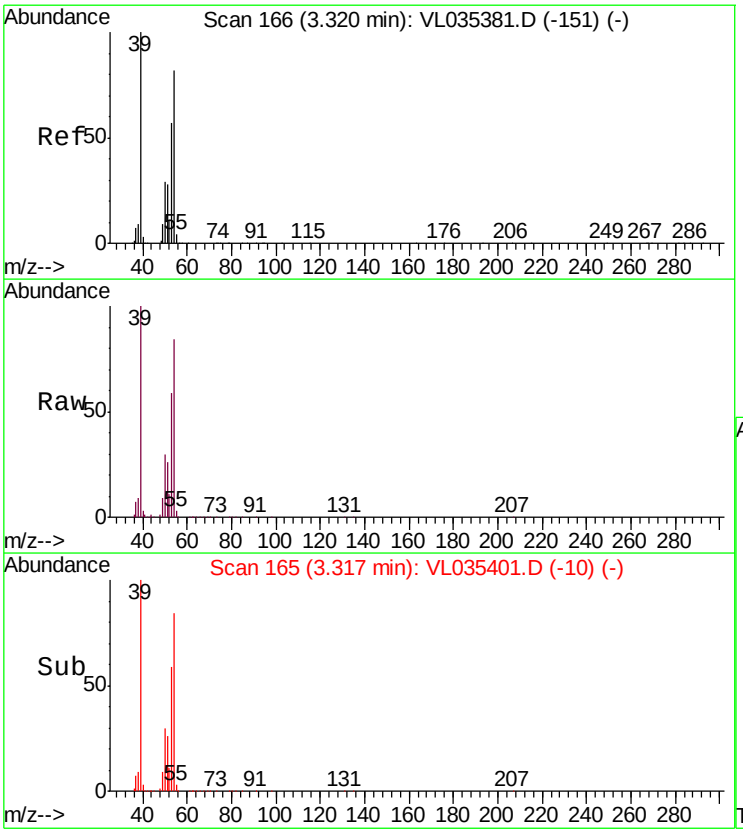
#15
Acetone
Concen: 8.178 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1452862

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.7	32.5

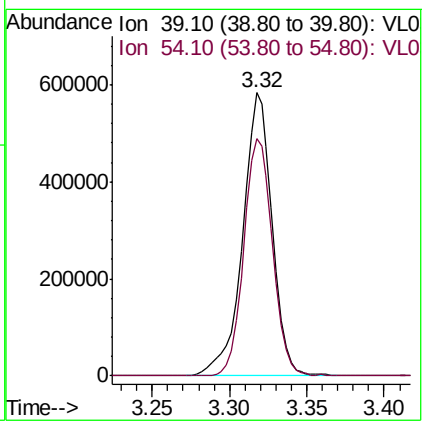


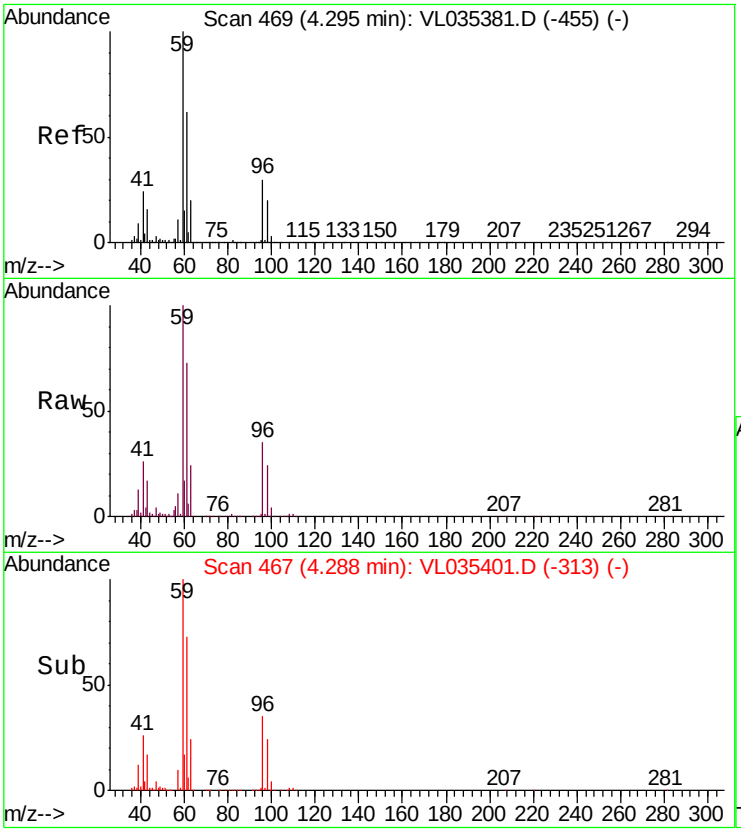


#16
1,3-Butadiene
Concen: 8.419 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 39 Resp: 767976

Ion	Ratio	Lower	Upper
39	100		
54	82.6	64.9	97.3



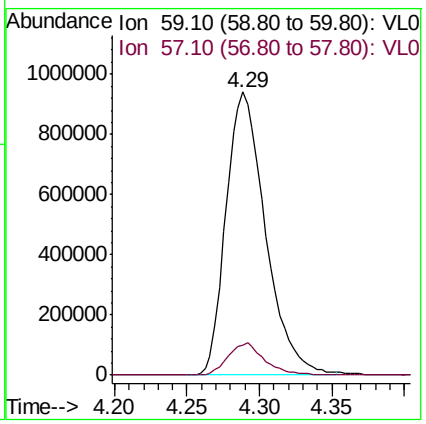


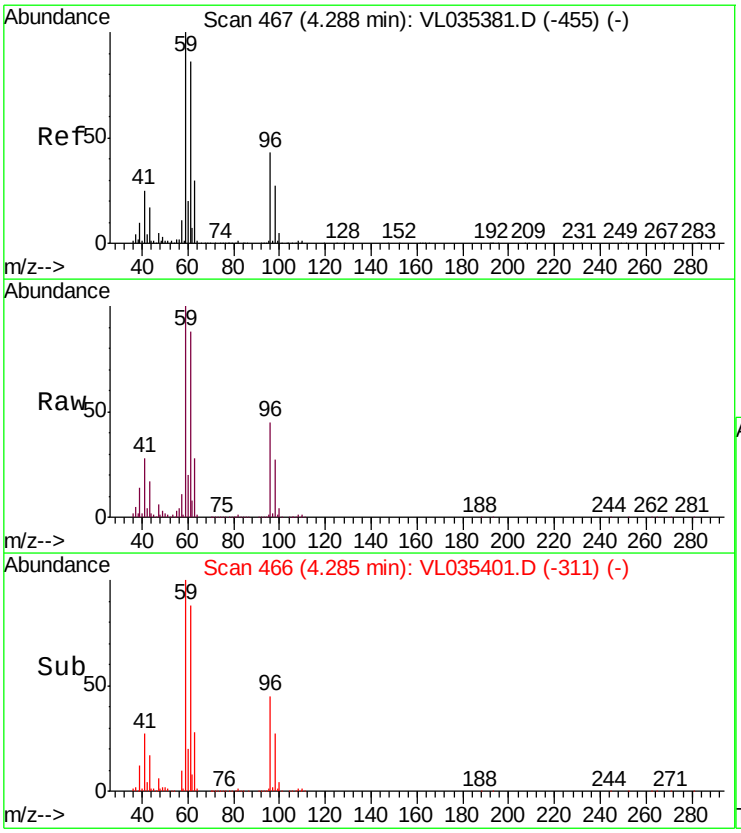
#17
tert-Butyl alcohol
Concen: 8.581 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1778063

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	13.0

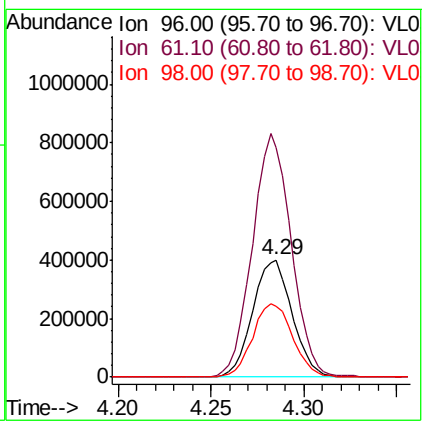


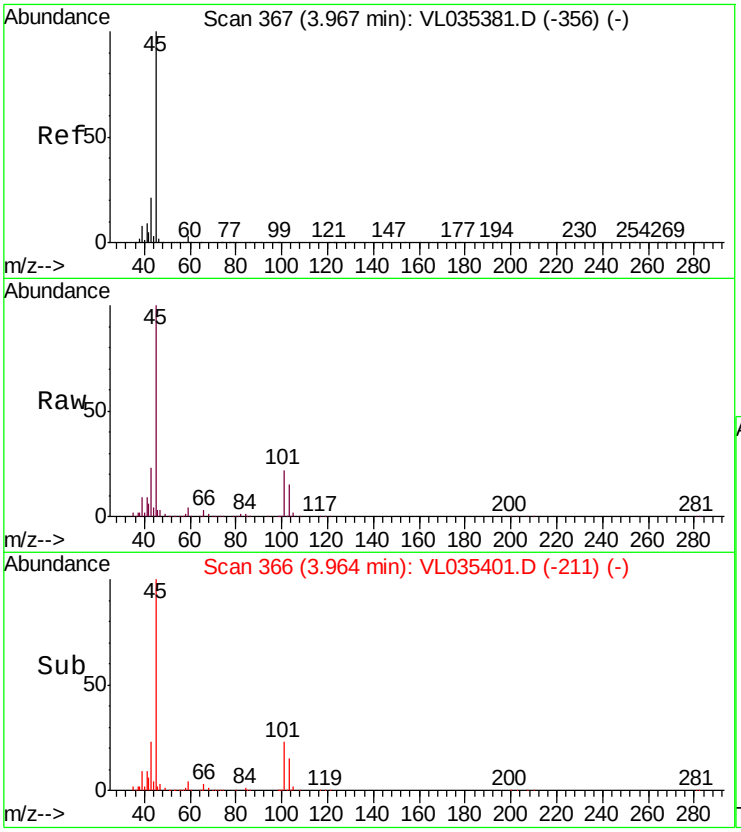


#18
1,1-Dichloroethene
Concen: 9.181 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 96 Resp: 589631

Ion	Ratio	Lower	Upper
96	100		
61	196.4	159.0	238.4
98	60.9	50.3	75.5



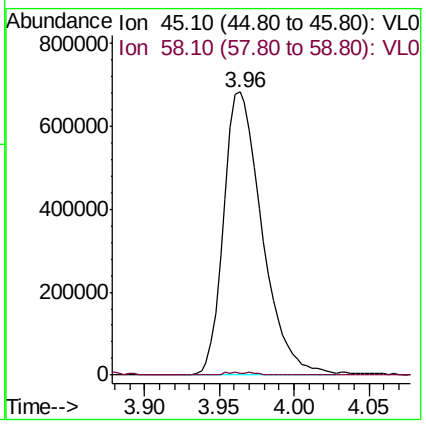


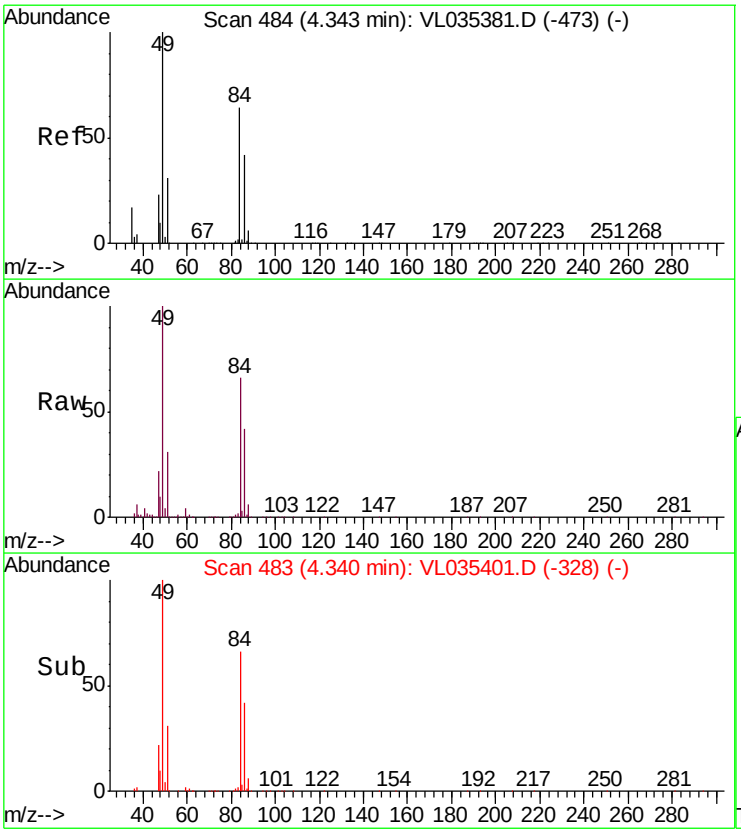
#19
Isopropyl Alcohol
Concen: 8.792 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1218859

Ion	Ratio	Lower	Upper
45	100		
58	1.1	24.9	37.3#

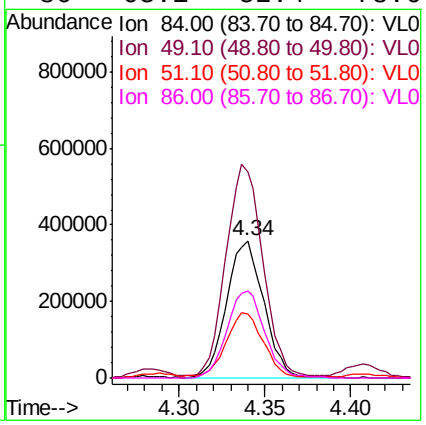


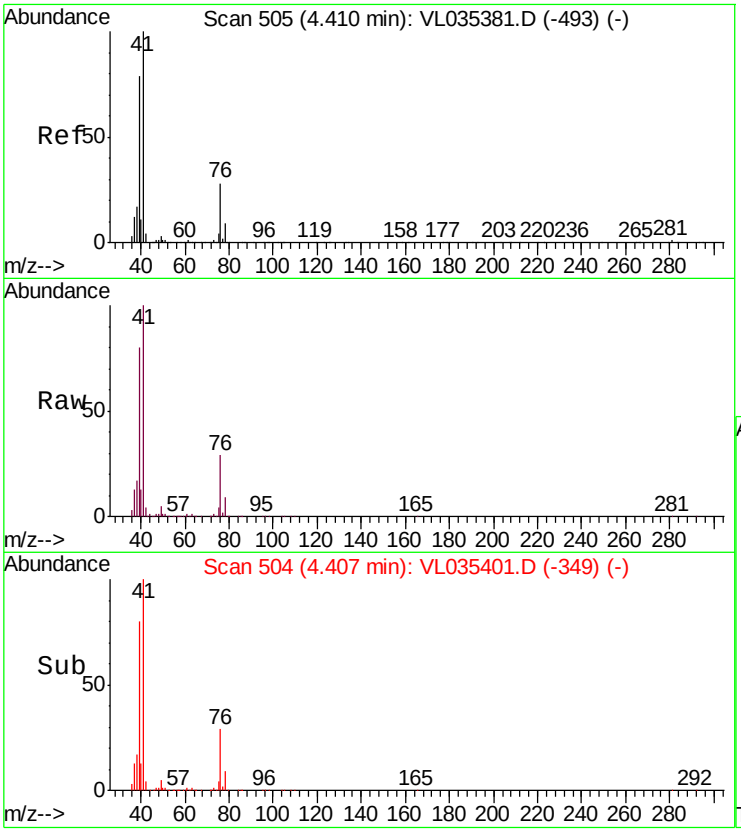


#20
Methylene Chloride
Concen: 7.994 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 84 Resp: 536242

Ion	Ratio	Lower	Upper
84	100		
49	148.7	125.7	188.5
51	45.9	38.5	57.7
86	63.1	52.4	78.6



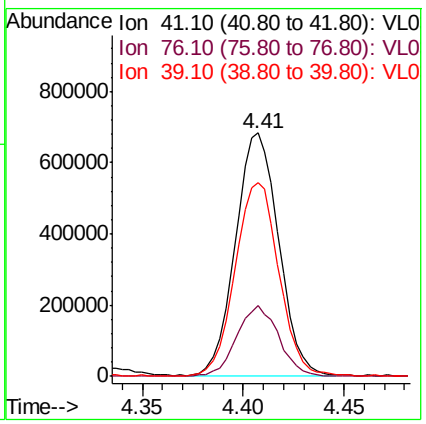


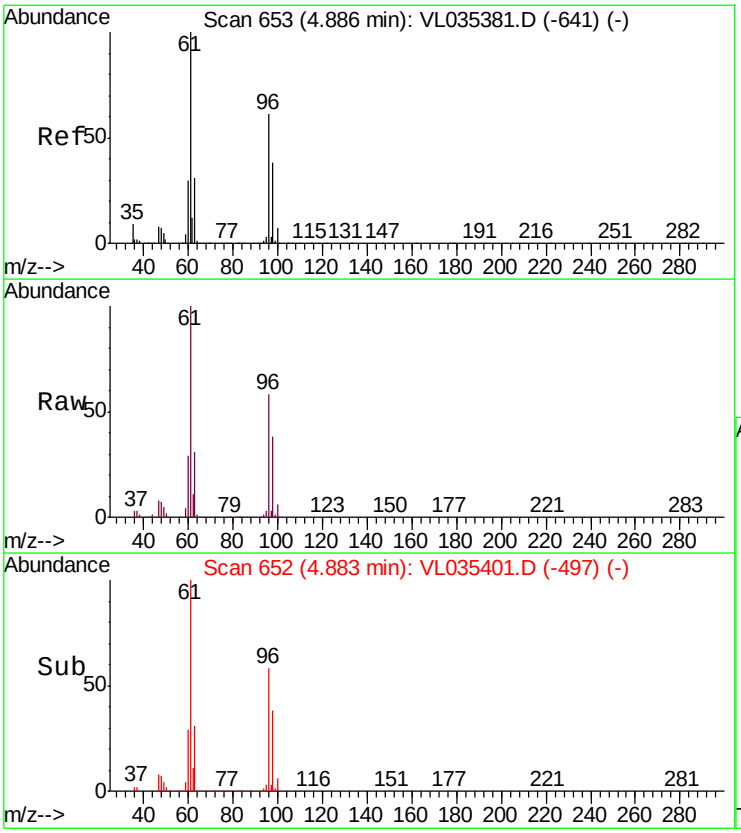
#21
Allyl Chloride
Concen: 8.730 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1018349

Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.4	33.6
39	81.3	63.0	94.4

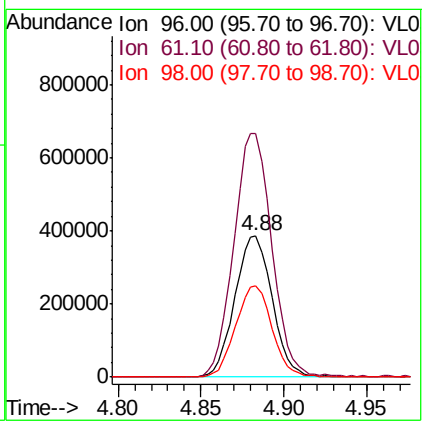


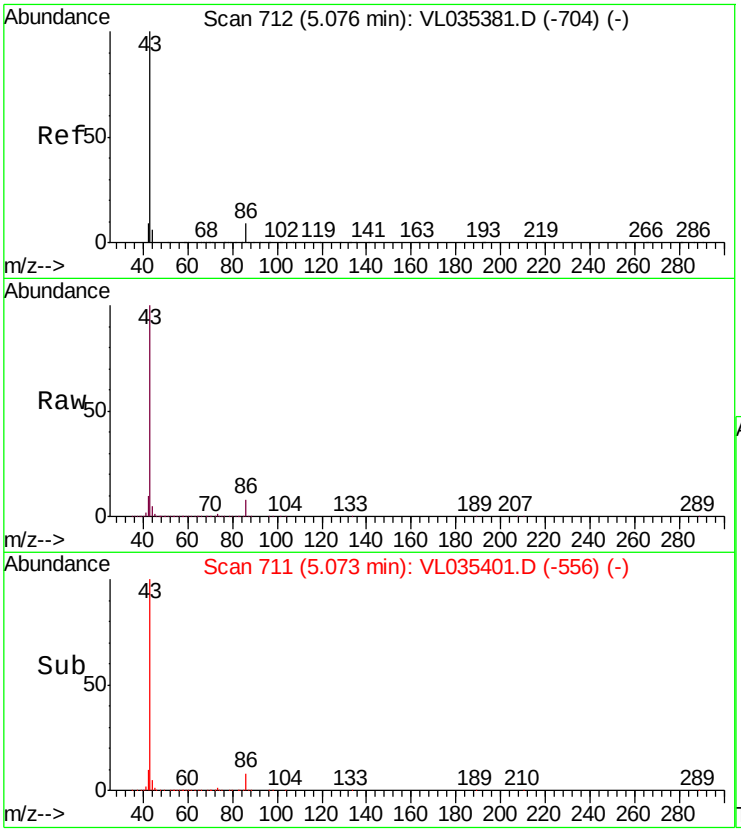


#22
trans-1,2-Dichloroethene
Concen: 9.376 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 96 Resp: 604930

Ion	Ratio	Lower	Upper
96	100		
61	172.0	131.8	197.6
98	64.8	49.6	74.4



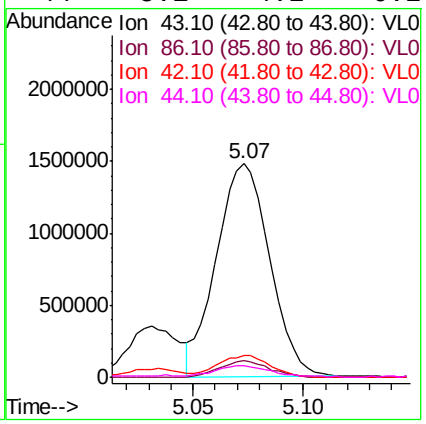


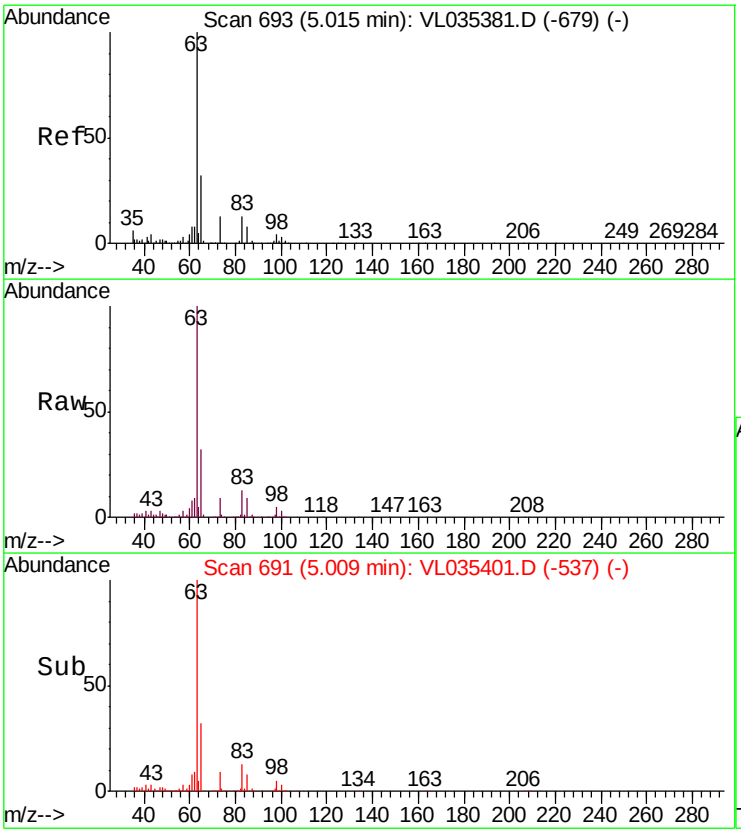
#23
Vinyl Acetate
Concen: 8.701 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2467767

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	10.2	8.0	12.0
44	5.1	4.2	6.2

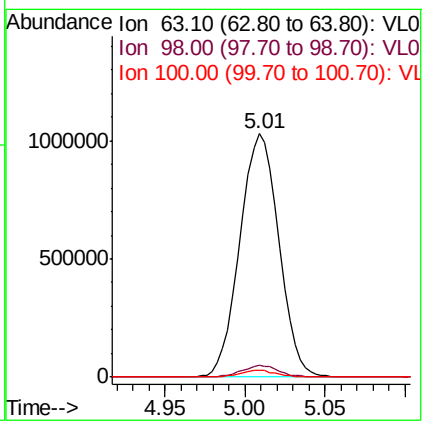


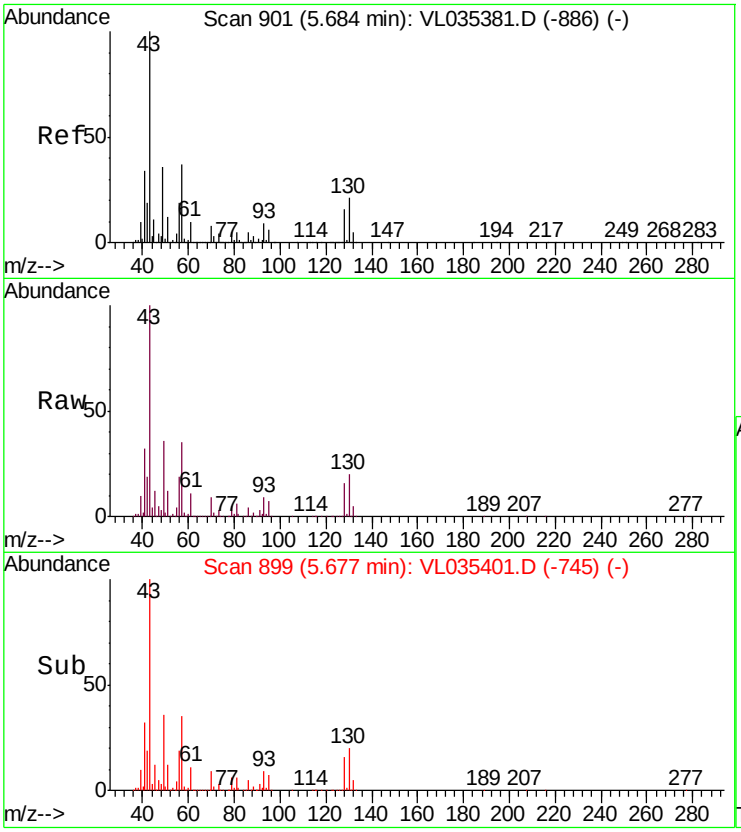


#24
1,1-Dichloroethane
Concen: 9.157 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 63 Resp: 1710187

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.0	1.4	4.0



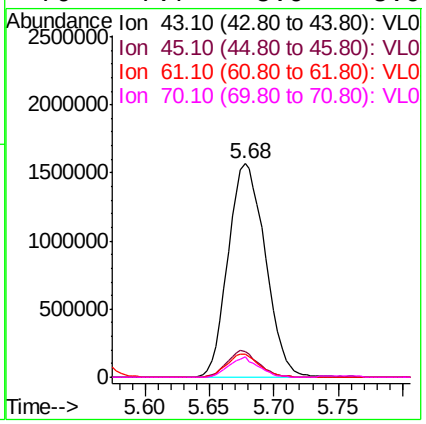


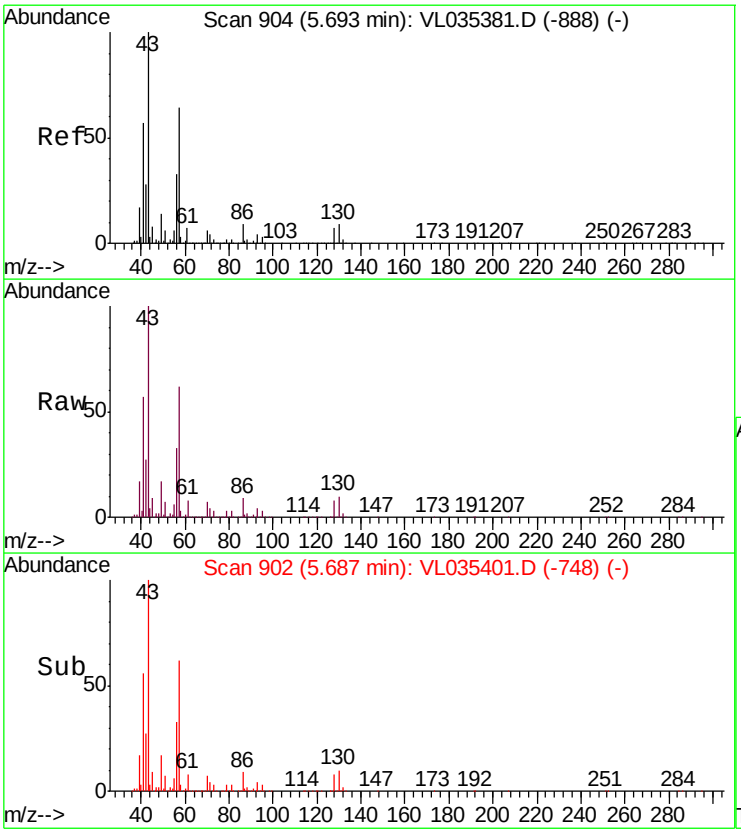
#25
Ethyl Acetate
Concen: 8.549 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3134871

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.0	12.0
61	9.5	7.4	11.2
70	7.7	5.9	8.9

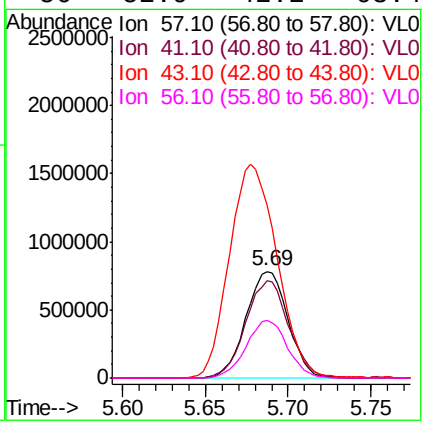


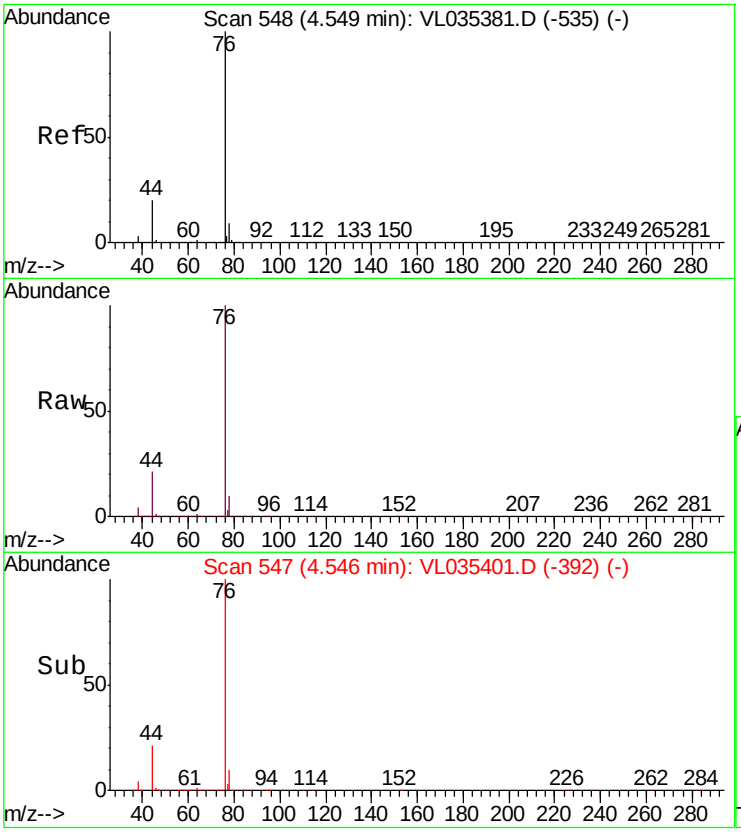


#26
Hexane
Concen: 8.575 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 57 Resp: 1375824

Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.4	113.2
43	228.6	184.1	276.1
56	52.9	42.2	63.4



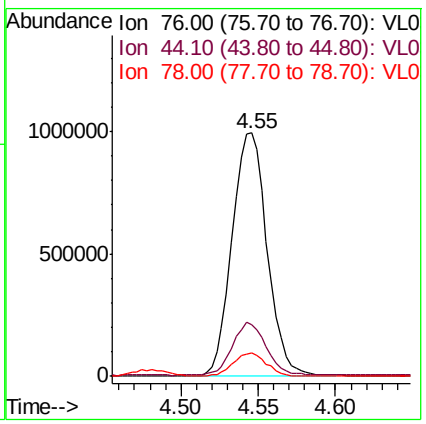


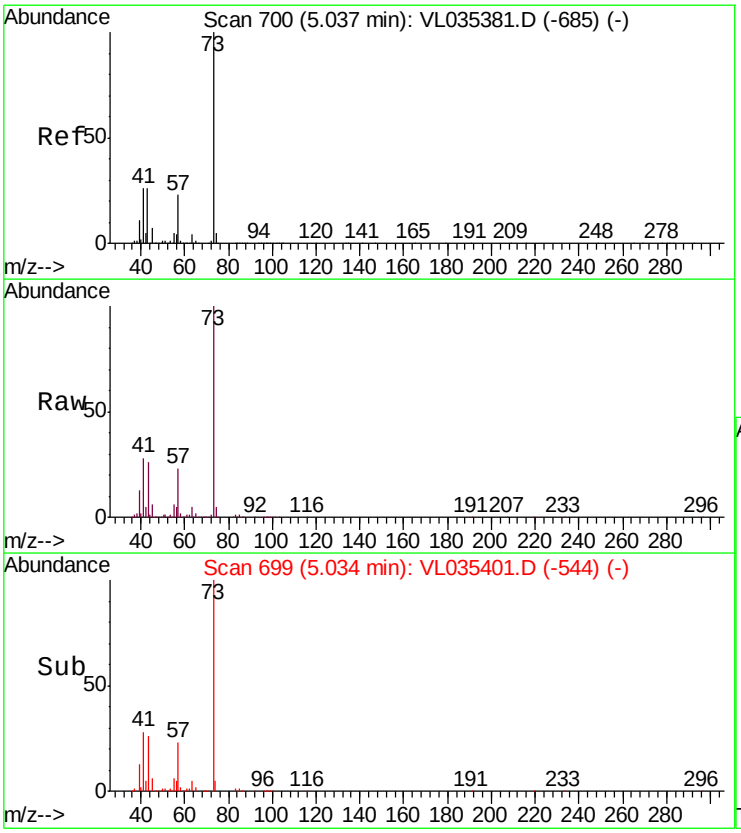
#27
Carbon Disulfide
Concen: 9.156 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1568414

Ion	Ratio	Lower	Upper
76	100		
44	20.7	17.0	25.4
78	9.4	7.5	11.3

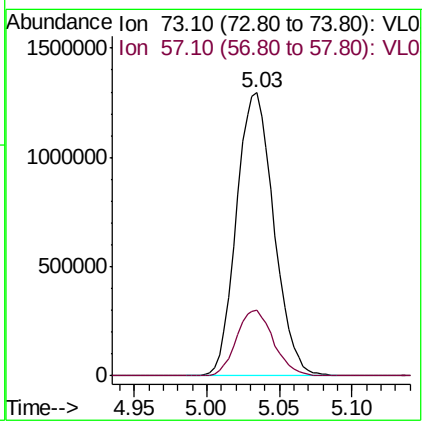


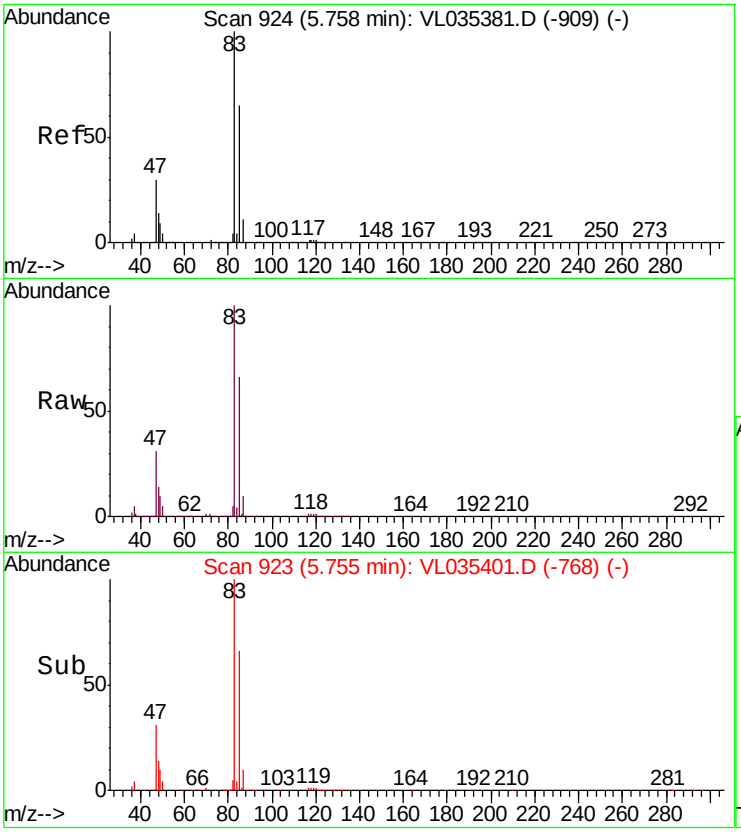


#28
Methyl tert-Butyl Ether
Concen: 8.764 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 73 Resp: 2321828

Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.0	28.4



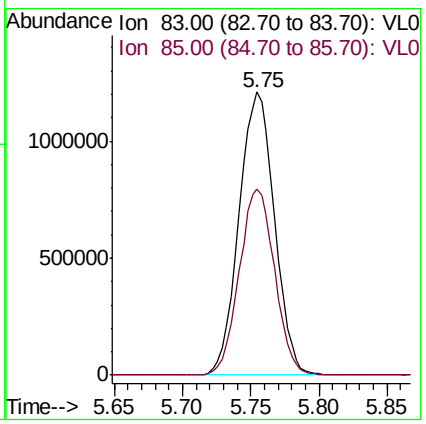


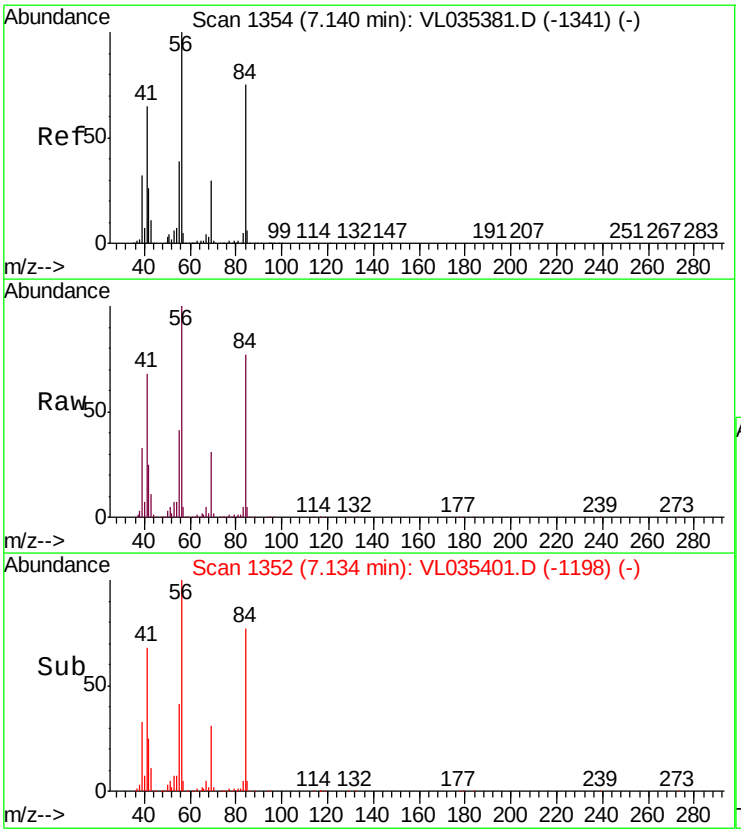
#29
Chloroform
Concen: 9.532 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2182670

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.7	77.5

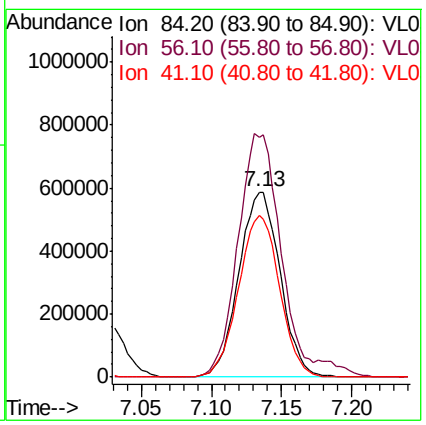


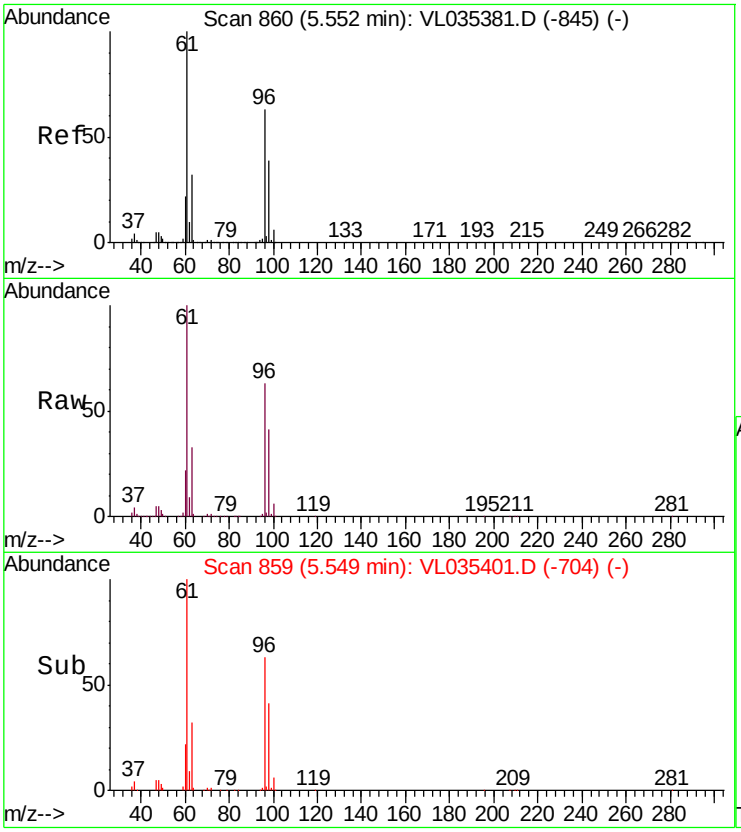


#30
Cyclohexane
Concen: 9.070 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 84 Resp: 1199478

Ion	Ratio	Lower	Upper
84	100		
56	141.0	115.8	173.6
41	87.1	71.4	107.0



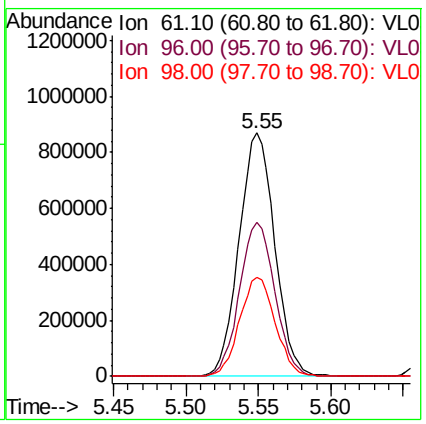


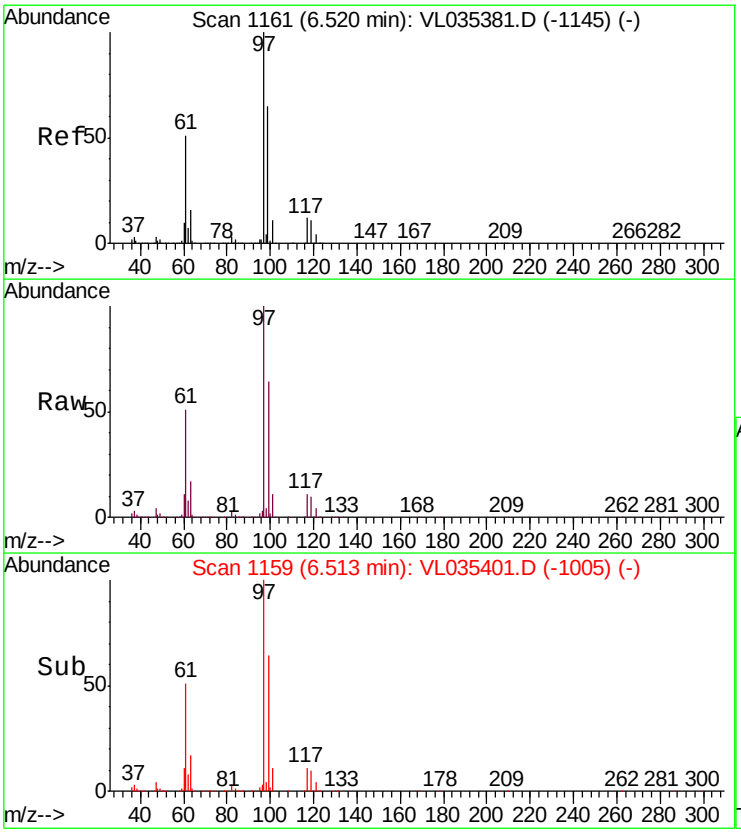
#31
cis-1,2-Dichloroethene
Concen: 9.377 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1491870

Ion	Ratio	Lower	Upper
61	100		
96	63.2	50.5	75.7
98	40.9	31.5	47.3

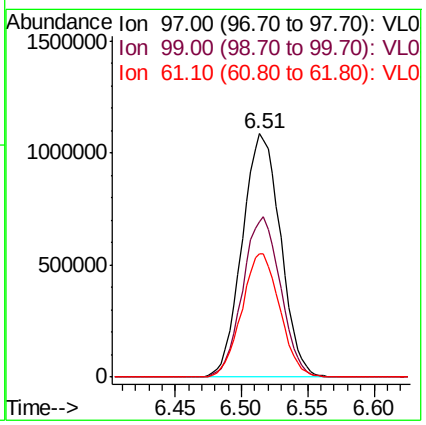


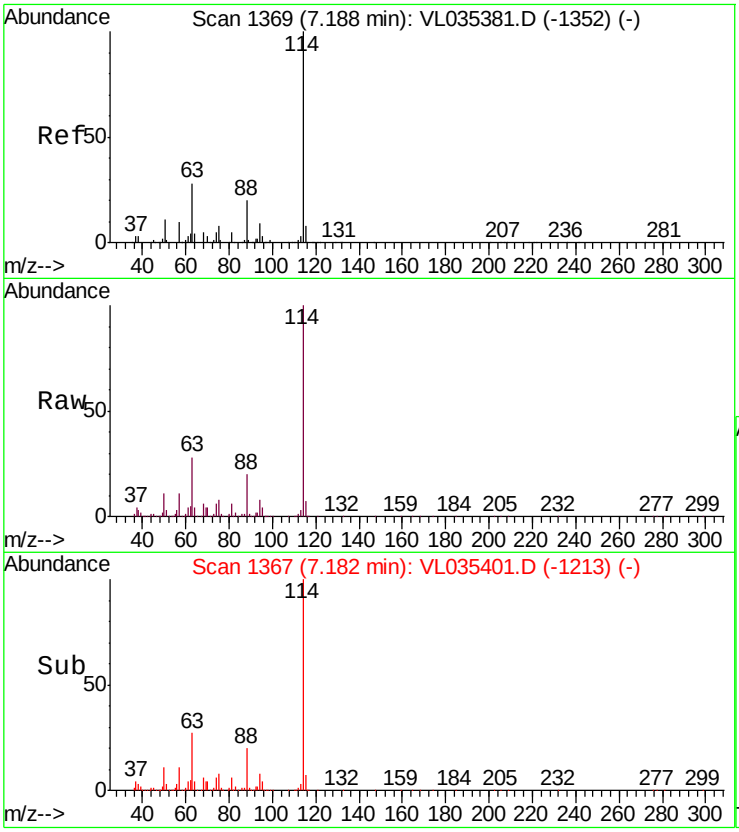


#32
1,1,1-Trichloroethane
Concen: 8.741 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 97 Resp: 2183429

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	50.1	39.6	59.4



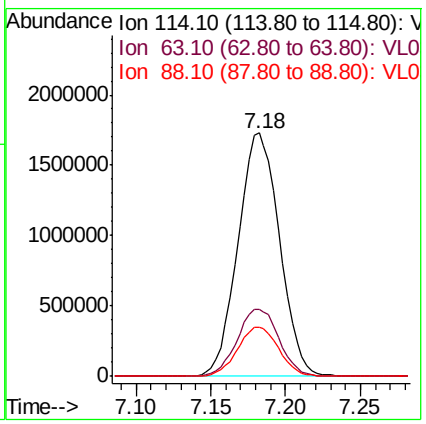


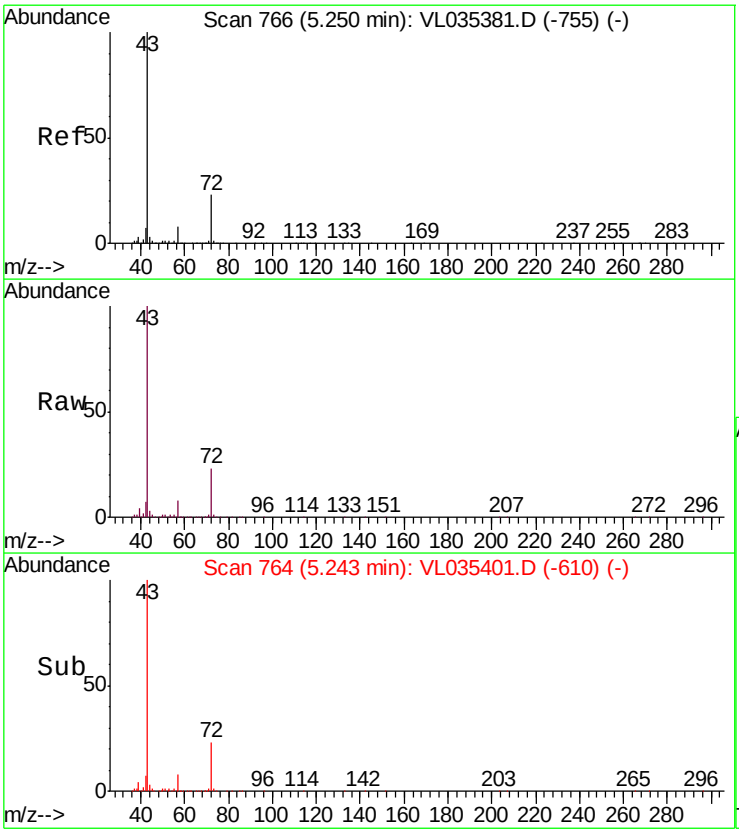
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3332446

Ion	Ratio	Lower	Upper
114	100		
63	28.3	21.5	32.3
88	20.1	15.6	23.4

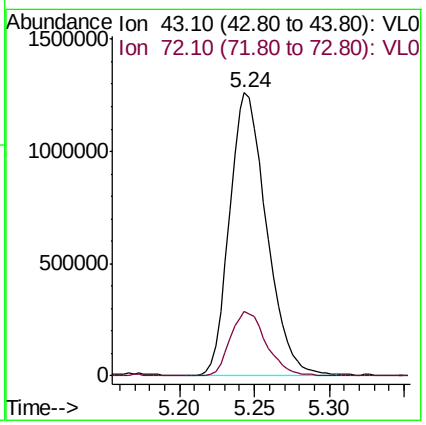


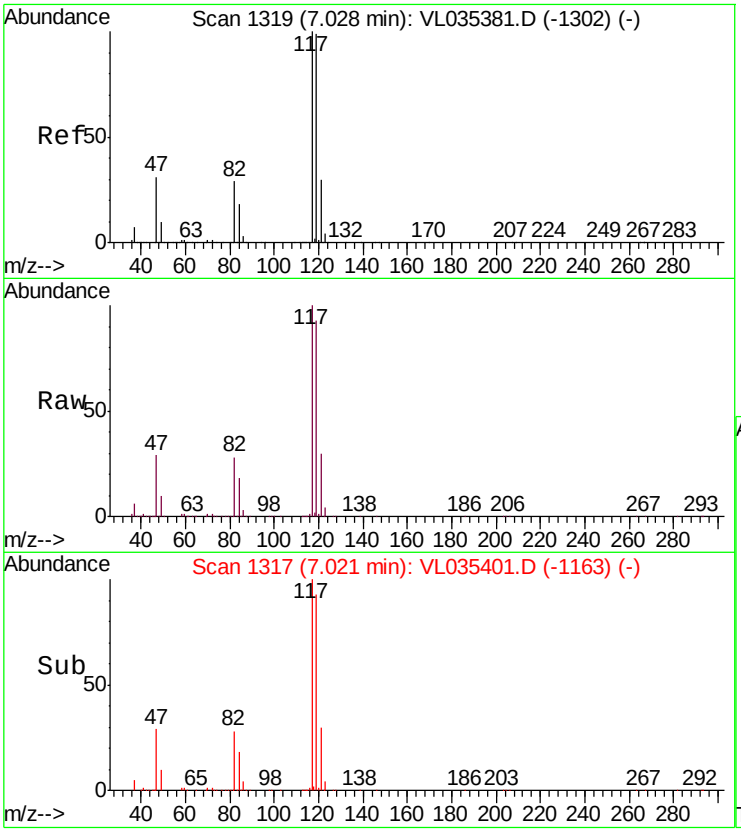


#34
2-Butanone
Concen: 9.133 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 2168912

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.7	26.5



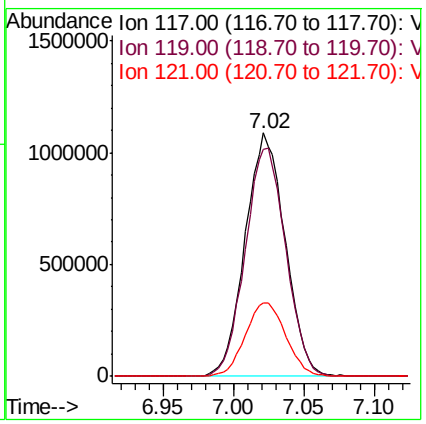


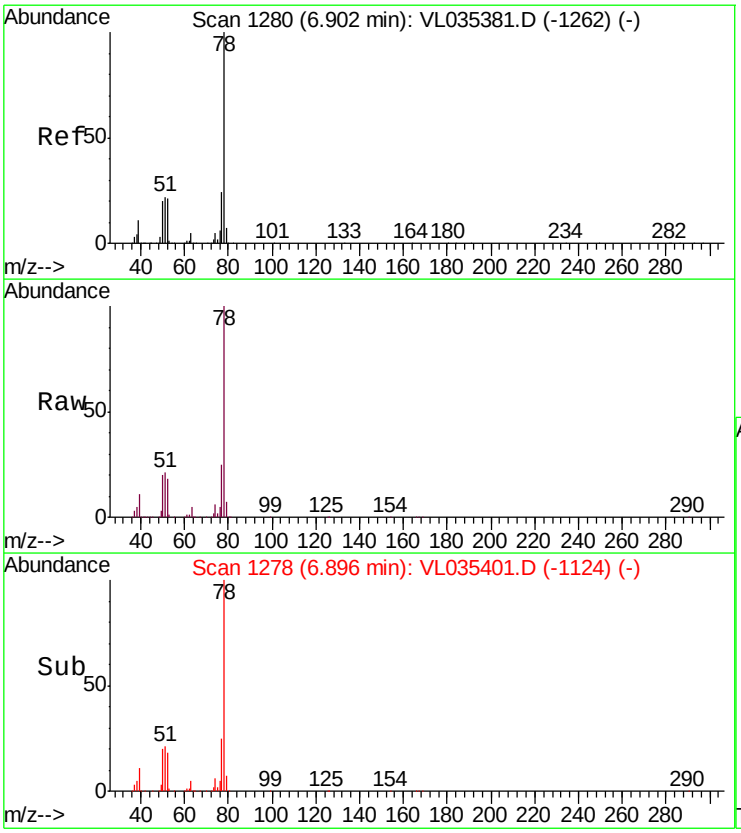
#35
Carbon Tetrachloride
Concen: 9.304 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2155312

Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.4	119.0
121	30.1	24.3	36.5

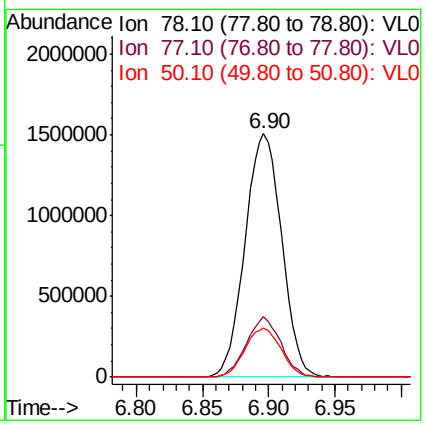


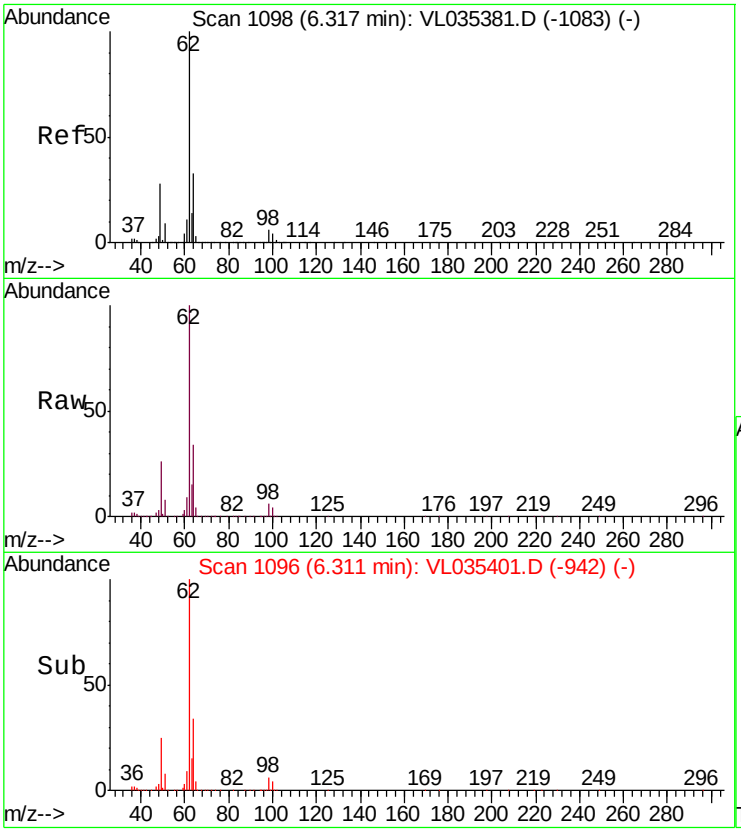


#36
Benzene
Concen: 9.080 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 78 Resp: 2901743

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7
50	19.9	15.8	23.6



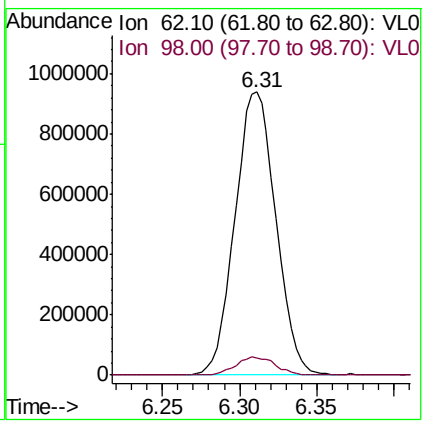


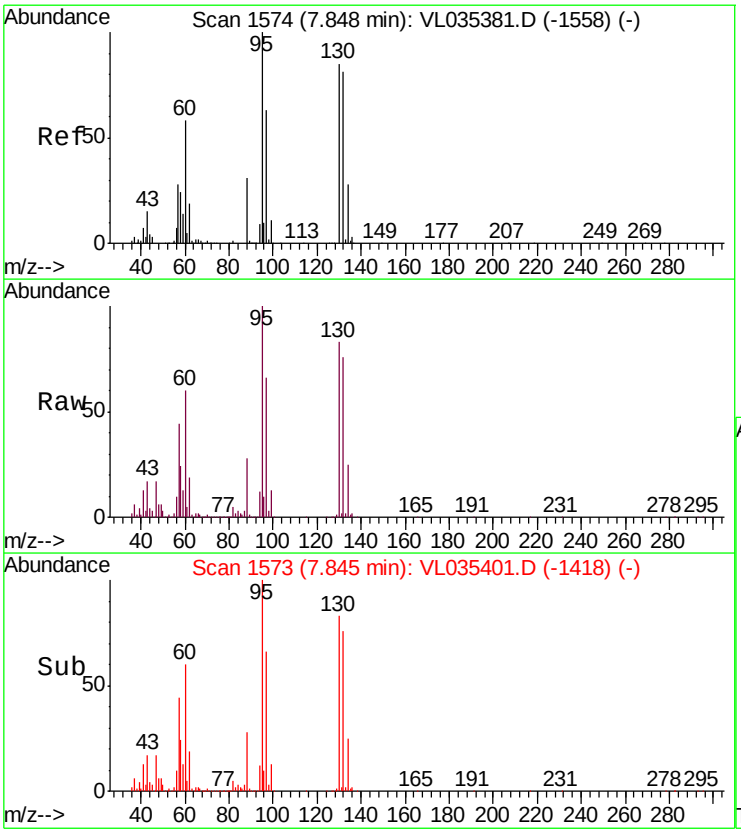
#37
1,2-Dichloroethane
Concen: 9.720 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1724138

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.1	7.7

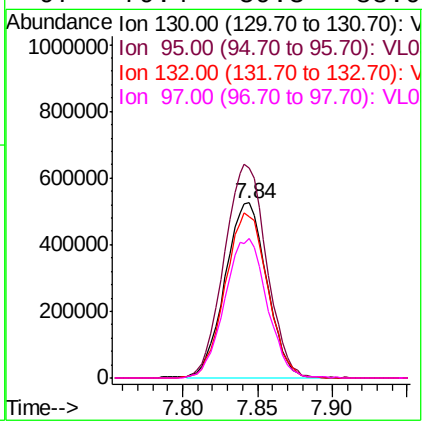


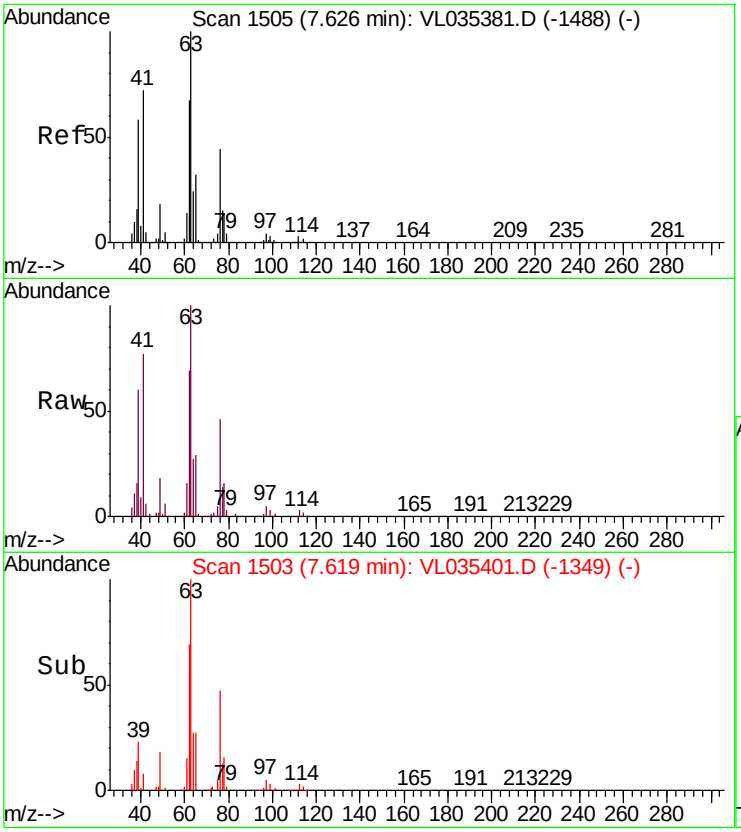


#38
Trichloroethene
Concen: 8.106 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:130 Resp: 1015087

Ion	Ratio	Lower	Upper
130	100		
95	120.2	94.2	141.4
132	91.7	76.6	114.8
97	79.4	59.3	88.9



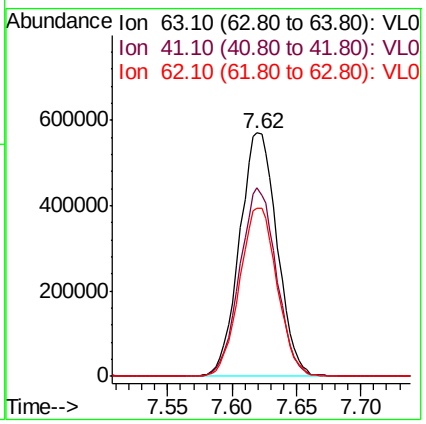


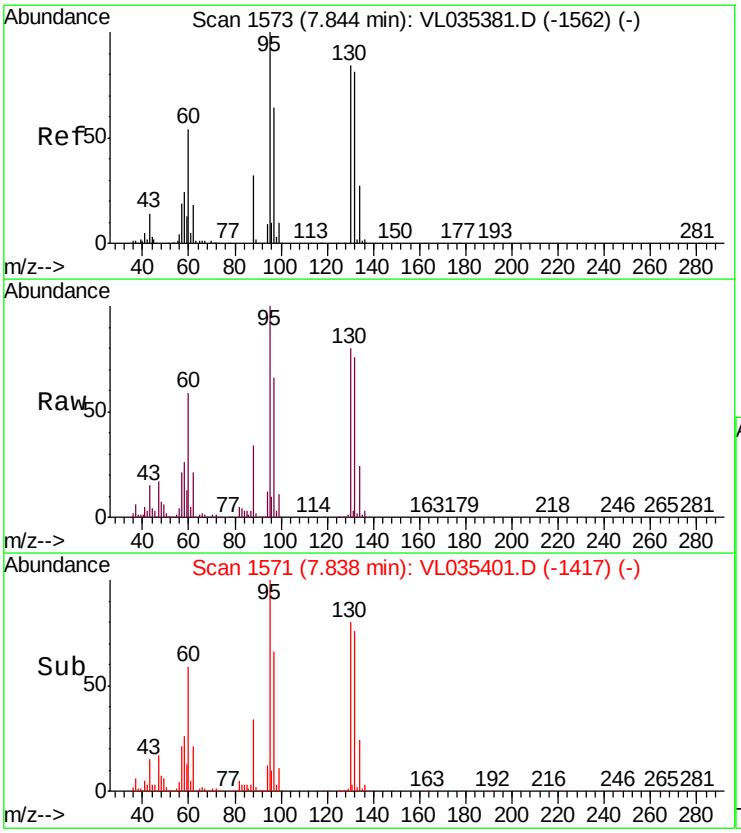
#39
1,2-Dichloropropane
Concen: 9.155 ppbv
RT: 7.62 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1158380

Ion	Ratio	Lower	Upper
63	100		
41	77.2	57.4	86.2
62	69.2	53.6	80.4

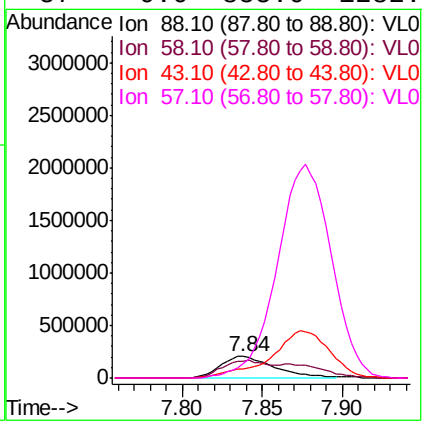


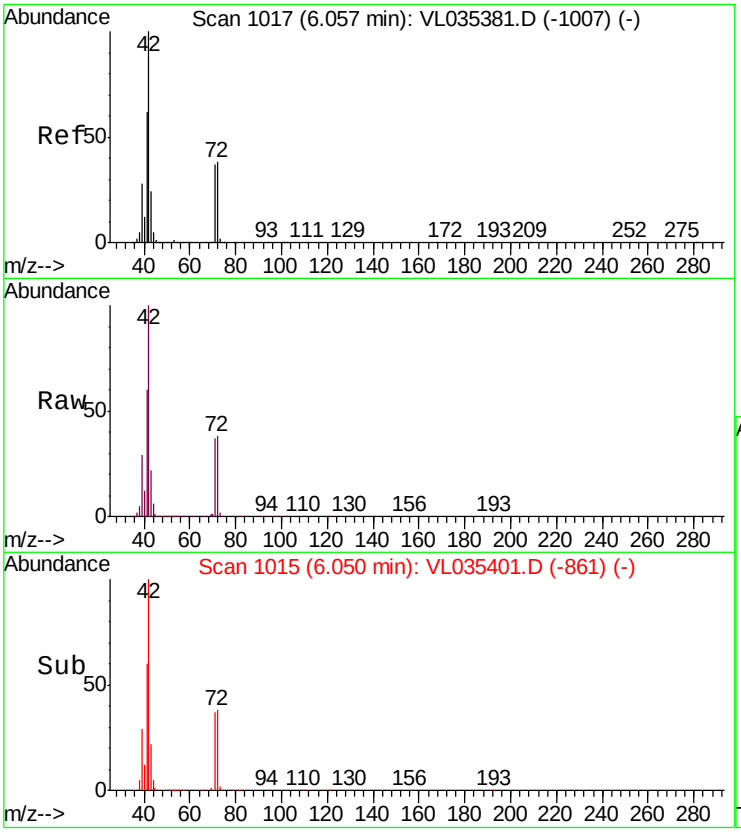


#40
1,4-Dioxane
Concen: 9.013 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 88 Resp: 464517

Ion	Ratio	Lower	Upper
88	100		
58	128.4	105.0	157.6
43	0.0	204.2	306.2#
57	0.0	855.0	1282.4#



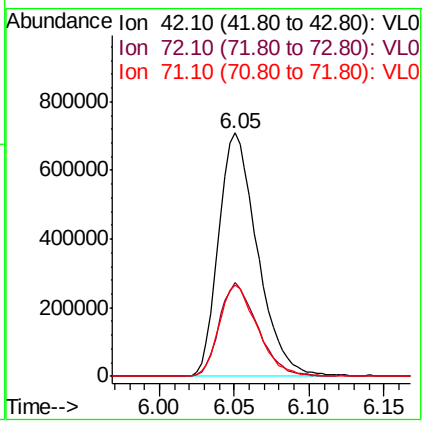


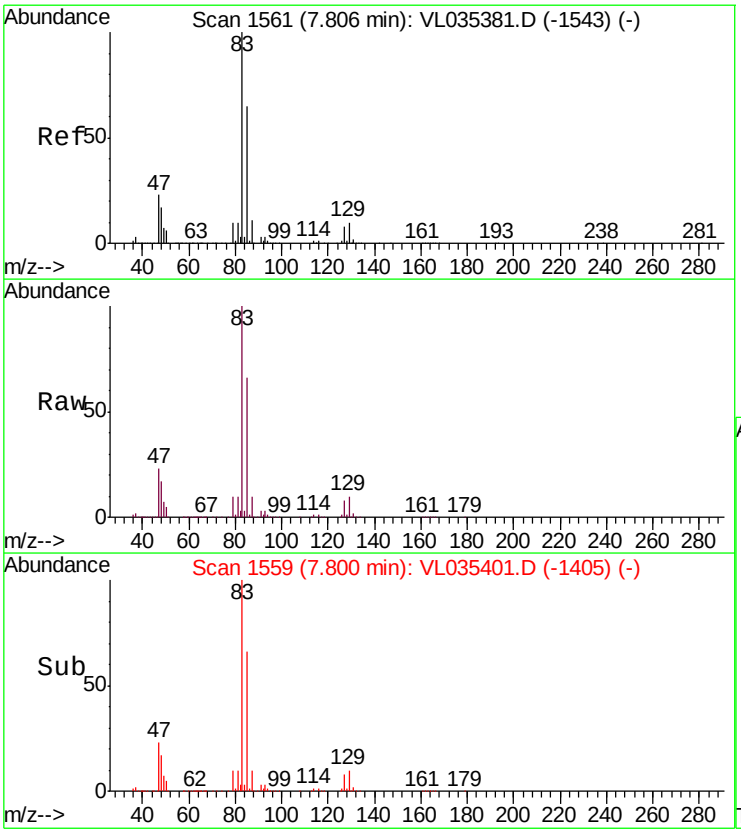
#41
Tetrahydrofuran
Concen: 9.021 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1278088

Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.2	45.2
71	37.4	28.6	42.8

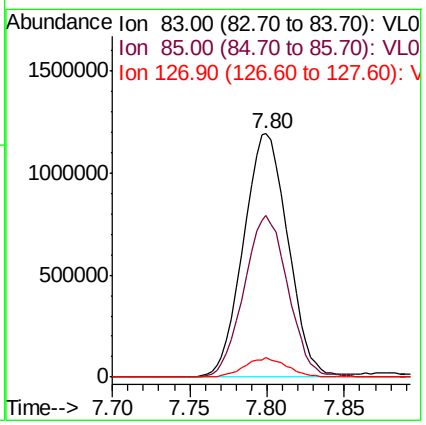


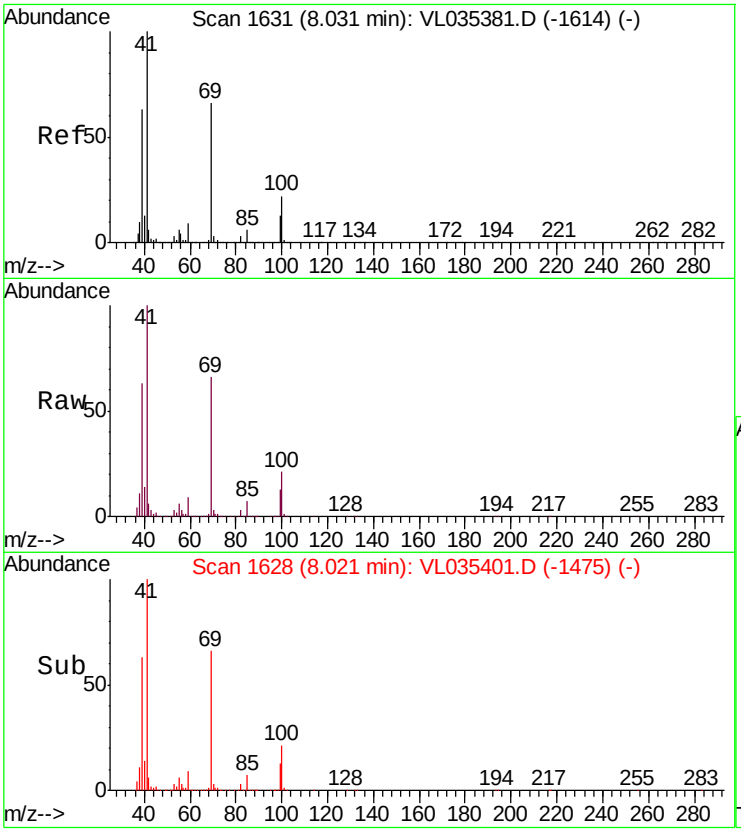


#42
Bromodichloromethane
Concen: 9.550 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 83 Resp: 2386169

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4
127	7.9	6.3	9.5



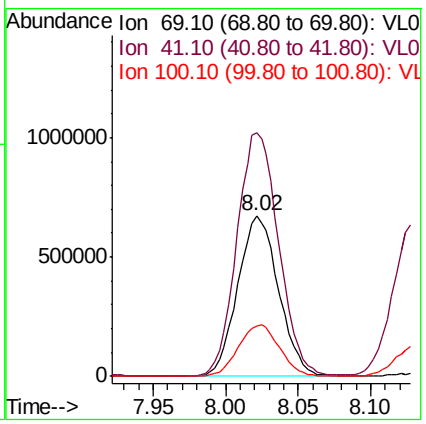


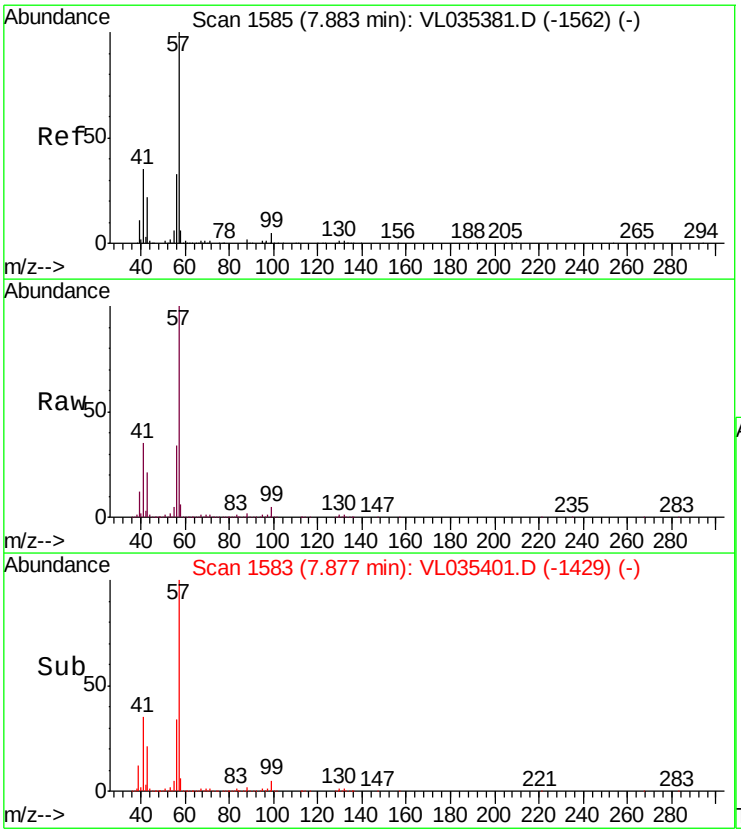
#43
Methyl Methacrylate
Concen: 9.286 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1316394

Ion	Ratio	Lower	Upper
69	100		
41	155.2	123.4	185.2
100	32.3	26.7	40.1

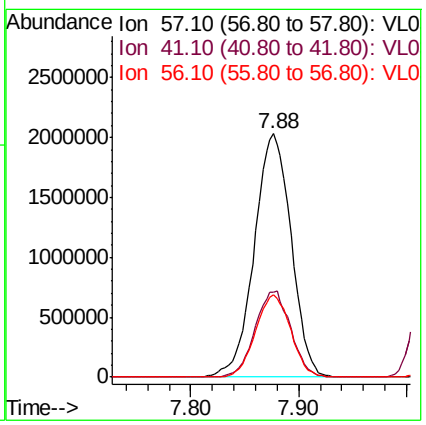


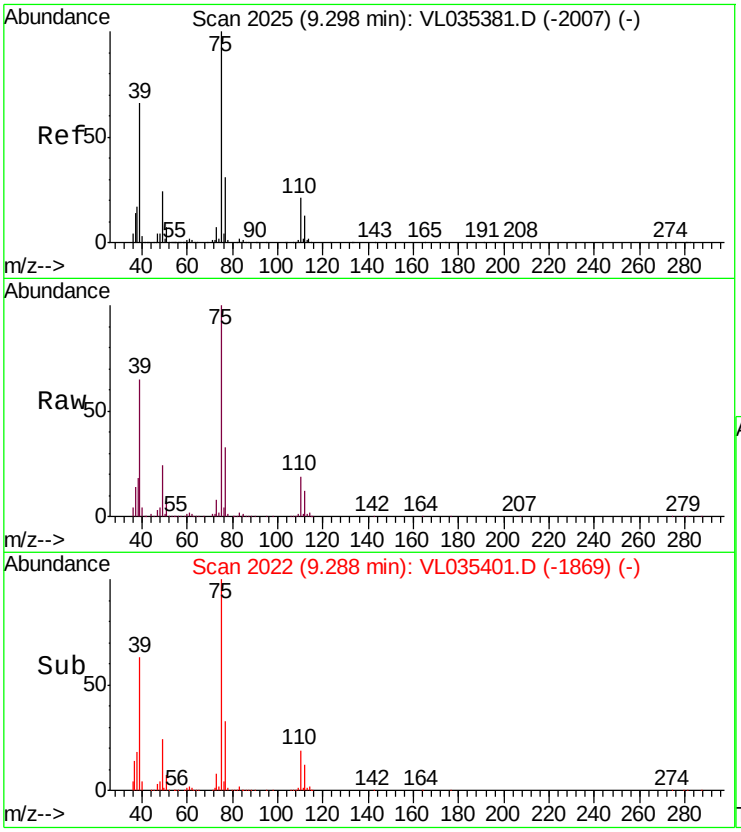


#44
2,2,4-Trimethylpentane
Concen: 8.754 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 57 Resp: 4812378

Ion	Ratio	Lower	Upper
57	100		
41	34.2	26.9	40.3
56	32.2	25.6	38.4



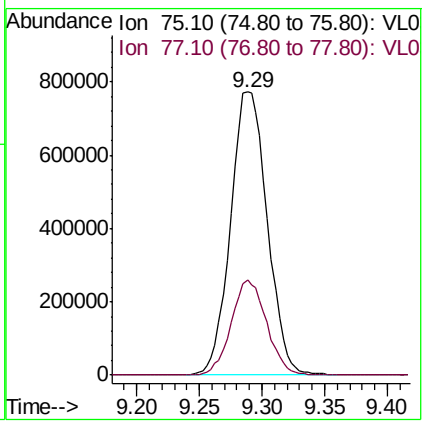


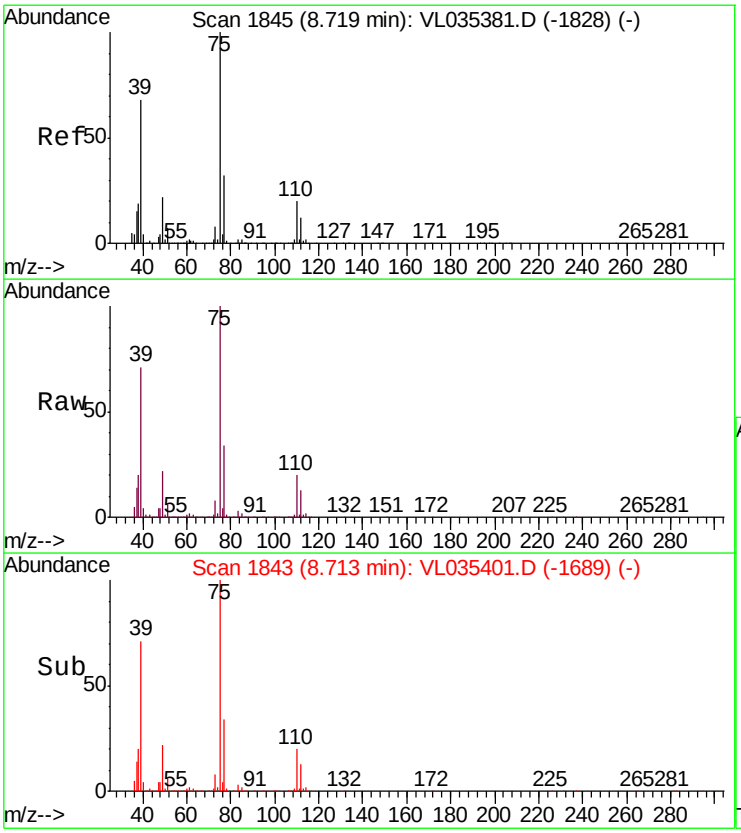
#45
t-1,3-Dichloropropene
Concen: 9.516 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1565323

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.2	37.8

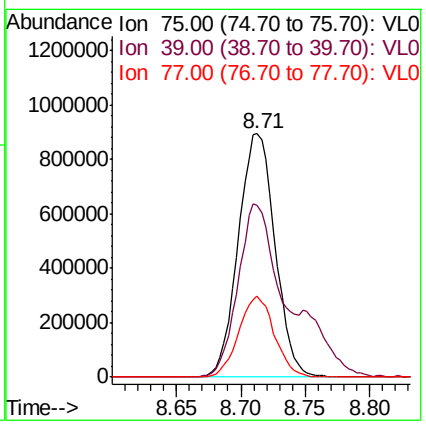


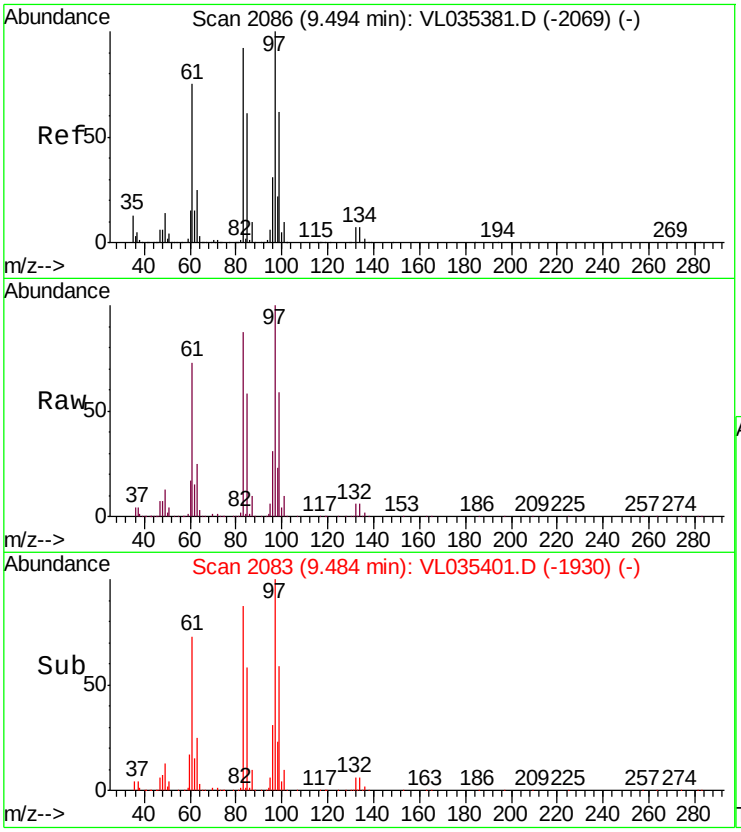


#46
cis-1,3-Dichloropropene
Concen: 9.264 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 75 Resp: 1779678

Ion	Ratio	Lower	Upper
75	100		
39	70.8	54.2	81.2
77	33.4	25.7	38.5



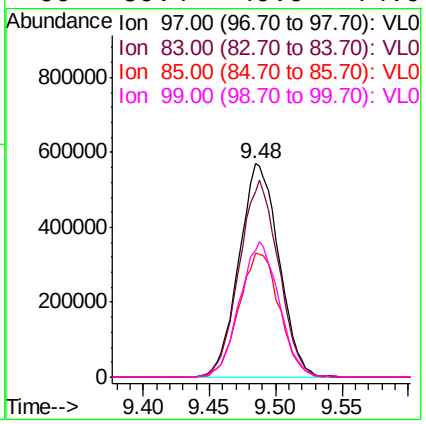


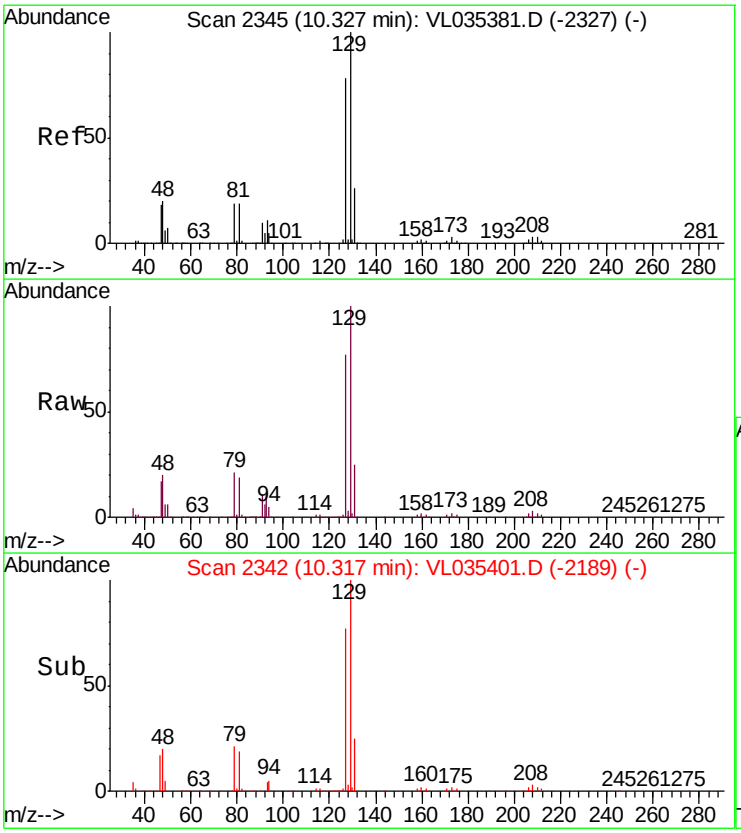
#47
1,1,2-Trichloroethane
Concen: 9.318 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1195878

Ion	Ratio	Lower	Upper
97	100		
83	86.9	73.9	110.9
85	58.4	49.0	73.6
99	59.4	49.9	74.9

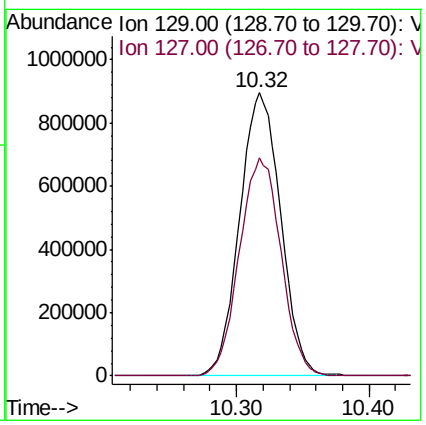


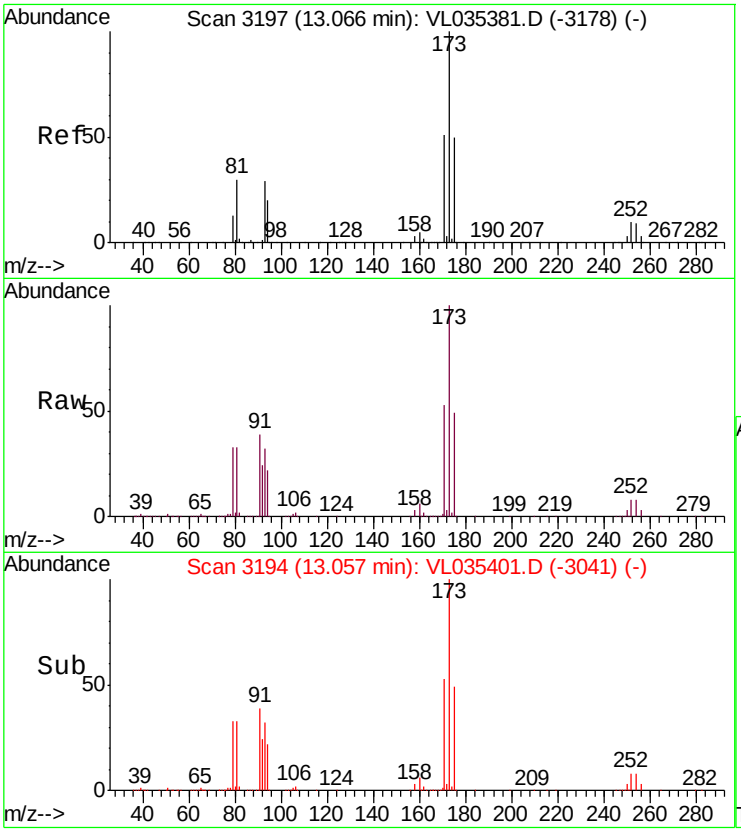


#48
Dibromochloromethane
Concen: 9.389 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:129 Resp: 1925909

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.3	117.8



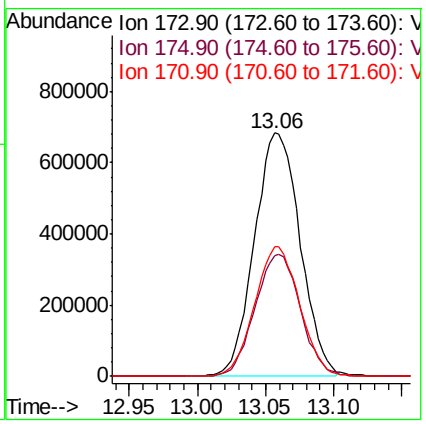


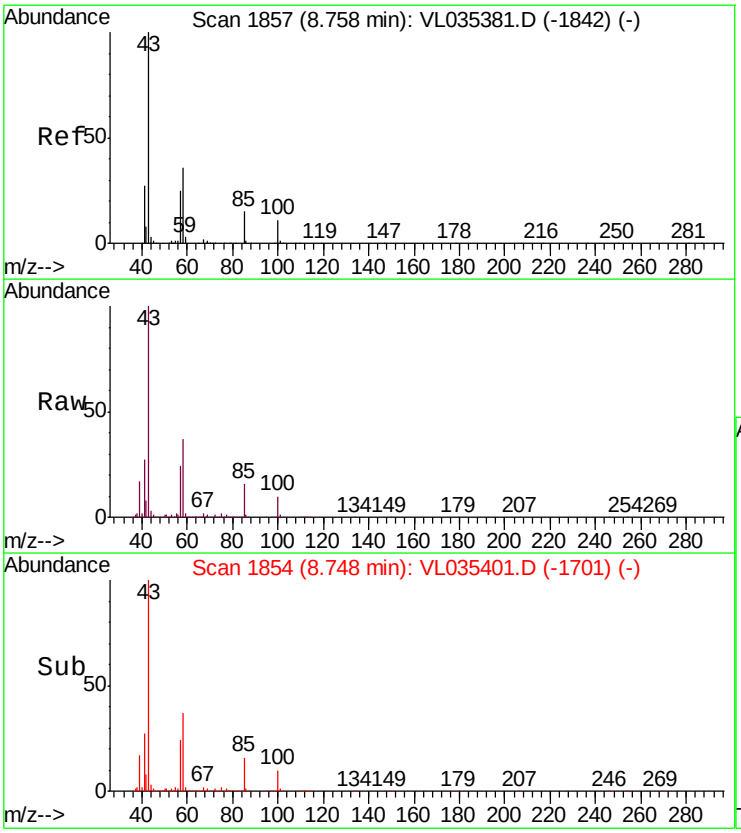
#49
Bromoform
Concen: 9.457 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1590378

Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.9	59.9
171	52.6	41.8	62.8

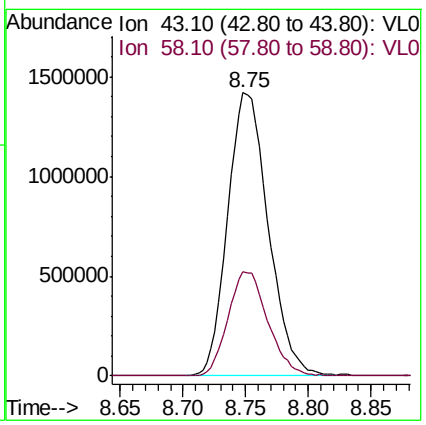


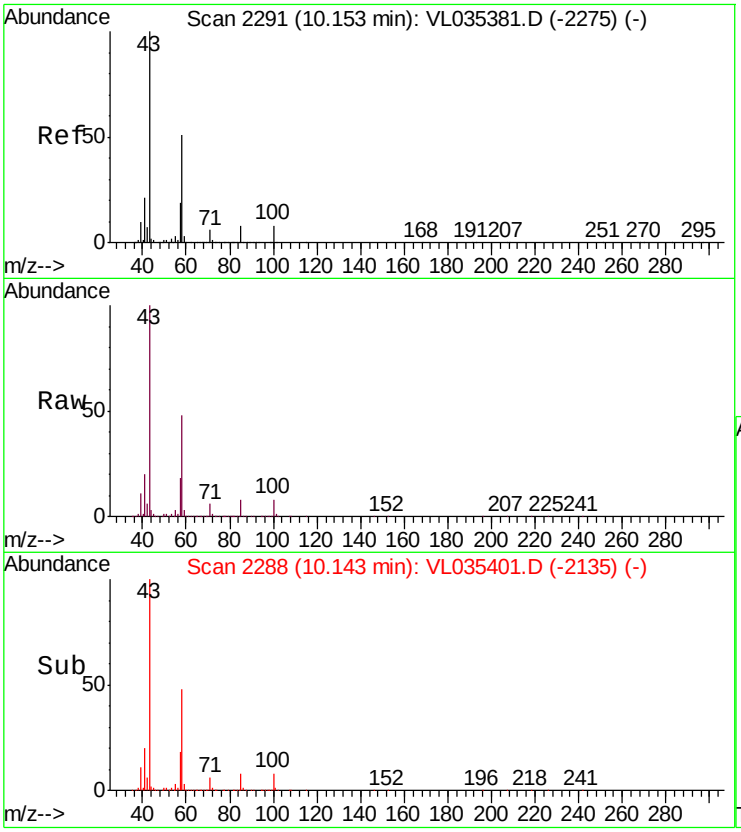


#50
4-Methyl-2-Pentanone
Concen: 8.916 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 3191128

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.0	43.6



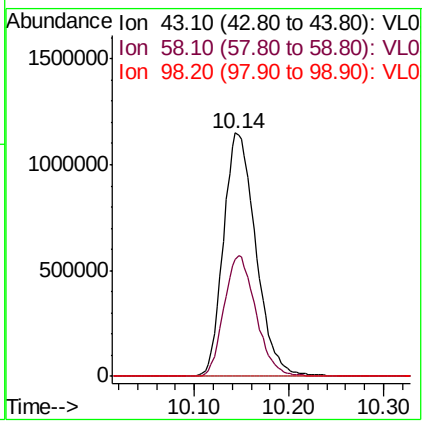


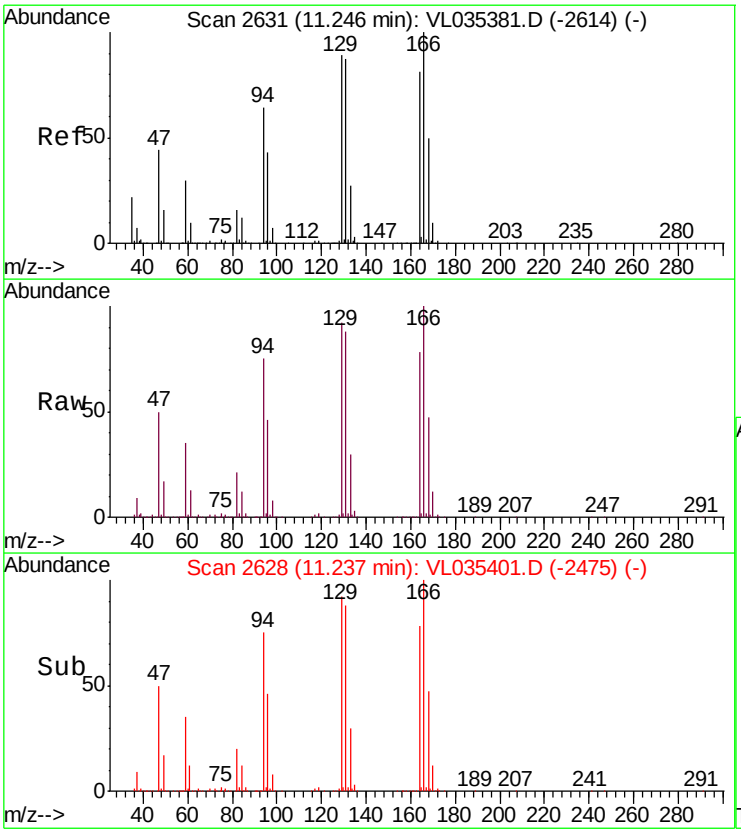
#51
2-Hexanone
Concen: 9.092 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2739630

Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.5	59.3
98	0.1	0.1	0.1

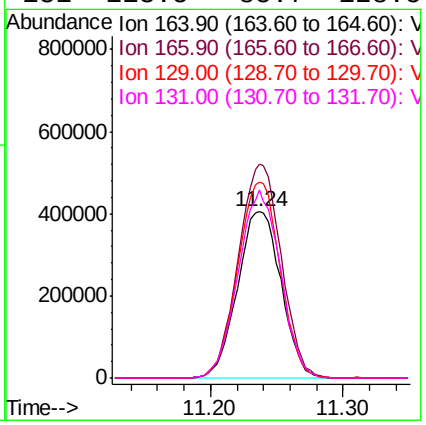


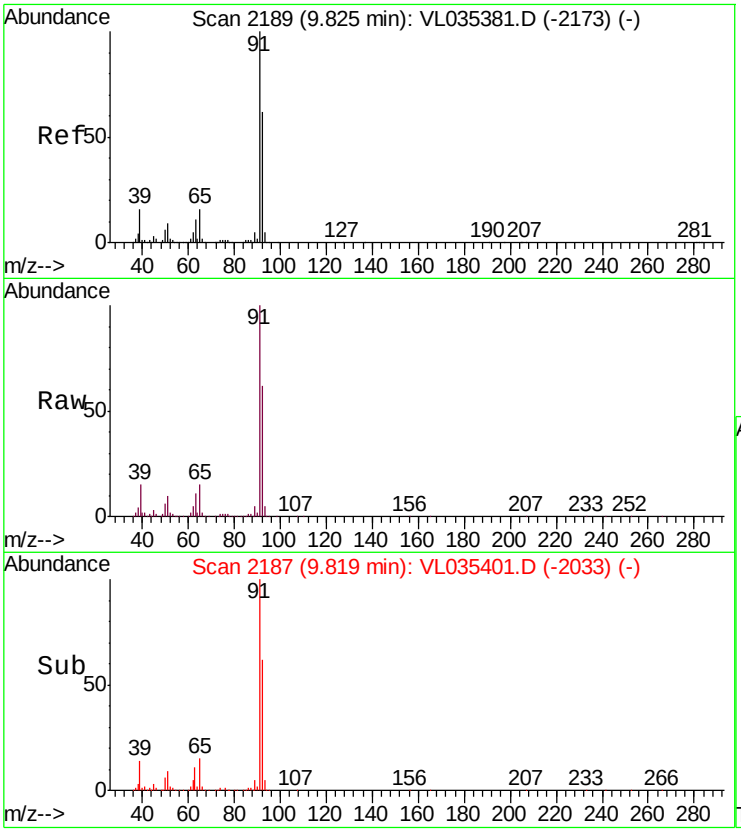


#52
Tetrachloroethene
Concen: 8.123 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:164 Resp: 920456

Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.2	147.2
129	118.0	87.3	130.9
131	113.5	85.7	128.5



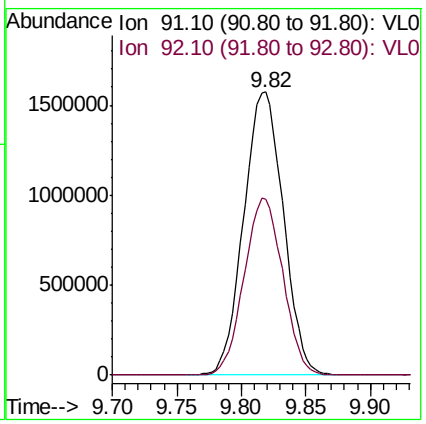


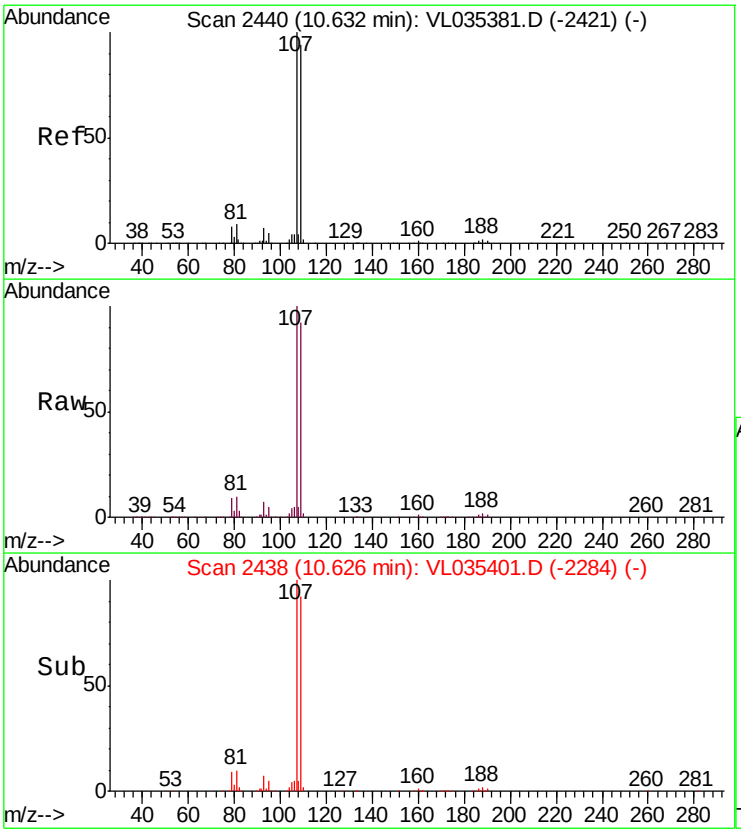
#53
Toluene
Concen: 8.903 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3377102

Ion	Ratio	Lower	Upper
91	100		
92	61.1	49.1	73.7

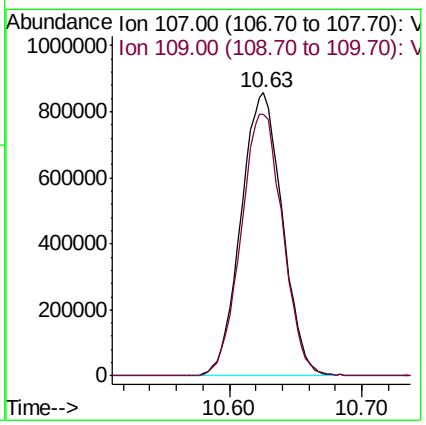


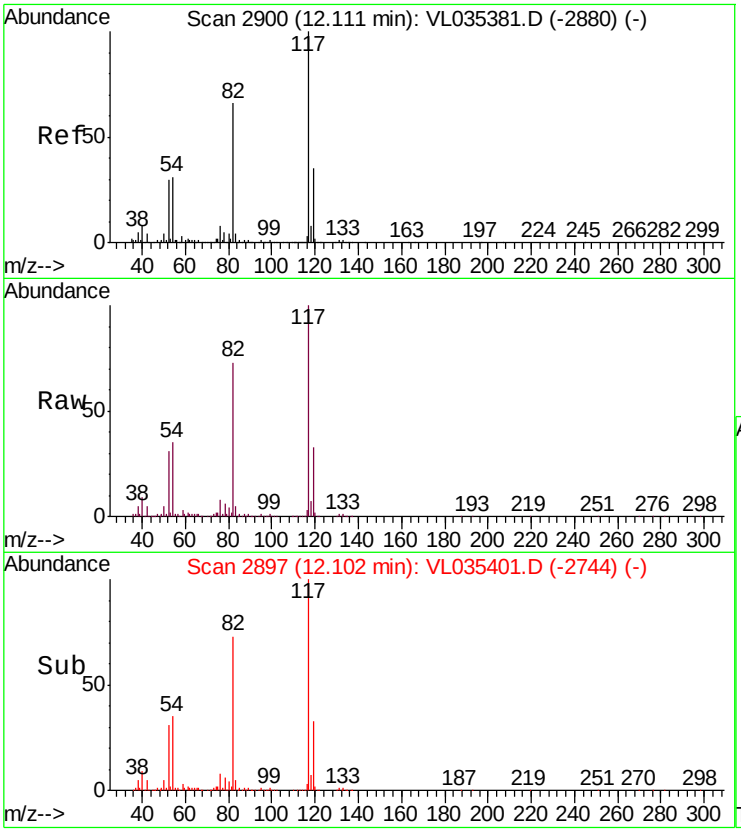


#54
1,2-Dibromoethane
Concen: 9.148 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:107 Resp: 1859446

Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8



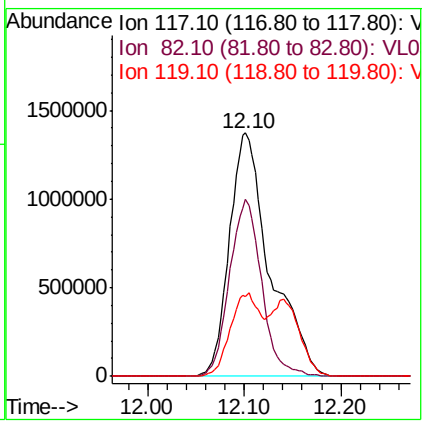


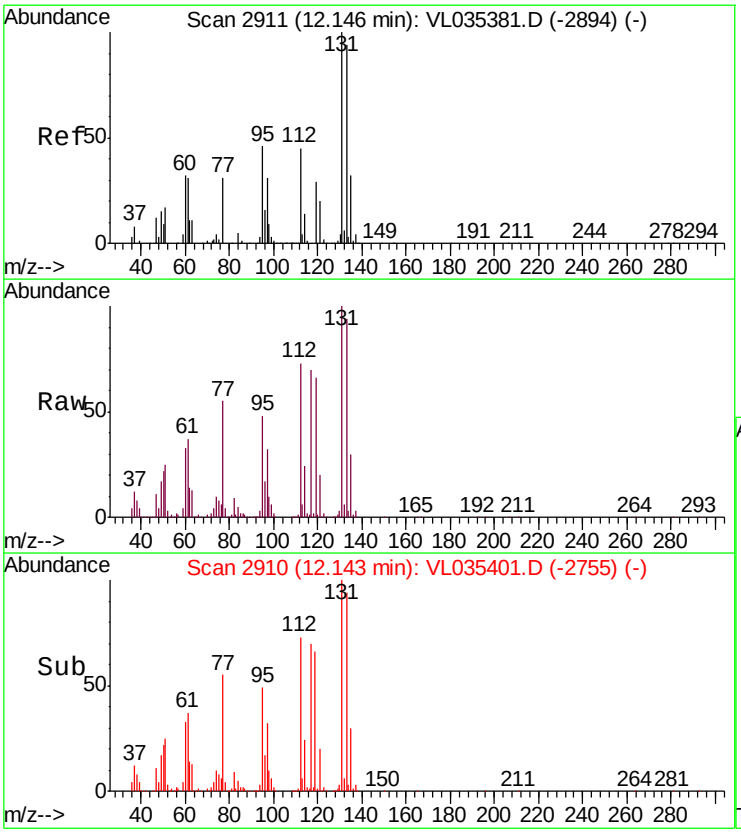
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4025755

Ion	Ratio	Lower	Upper
117	100		
82	57.4	53.0	79.6
119	25.3	25.7	38.5#

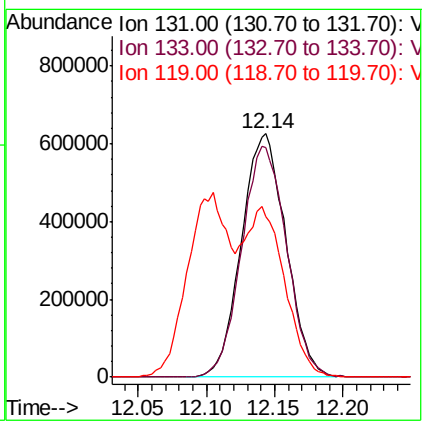


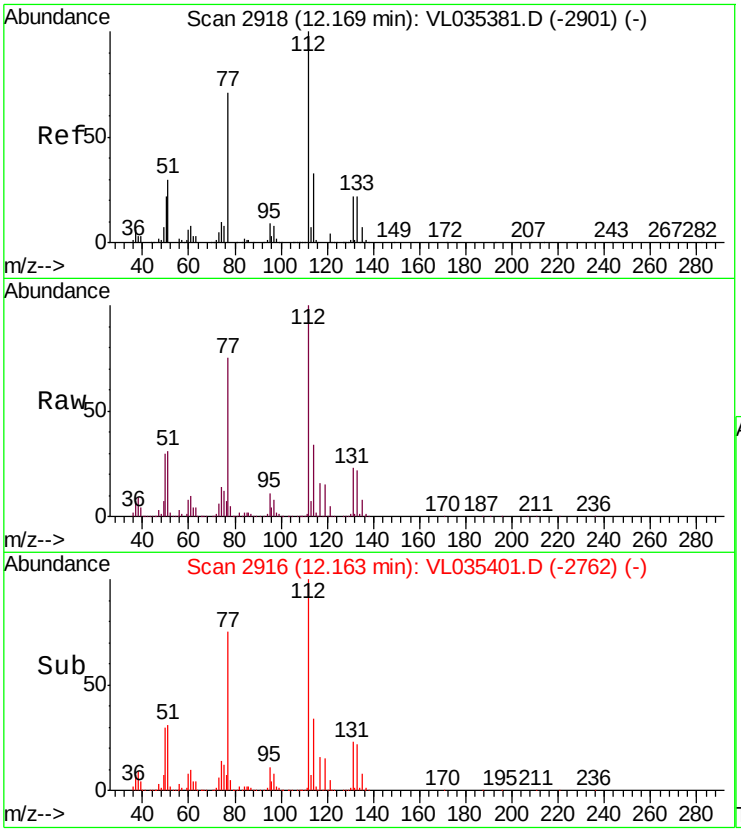


#56
1,1,1,2-Tetrachloroethane
Concen: 7.232 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:131 Resp: 1414724

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.1	114.1
119	65.2	47.0	70.4



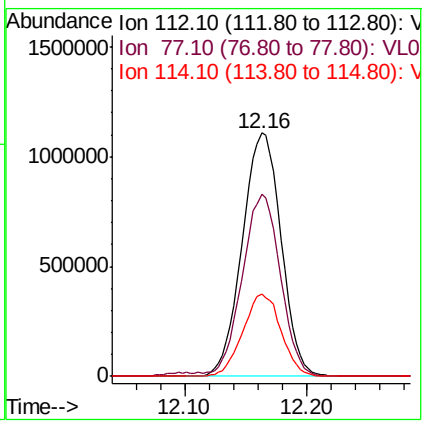


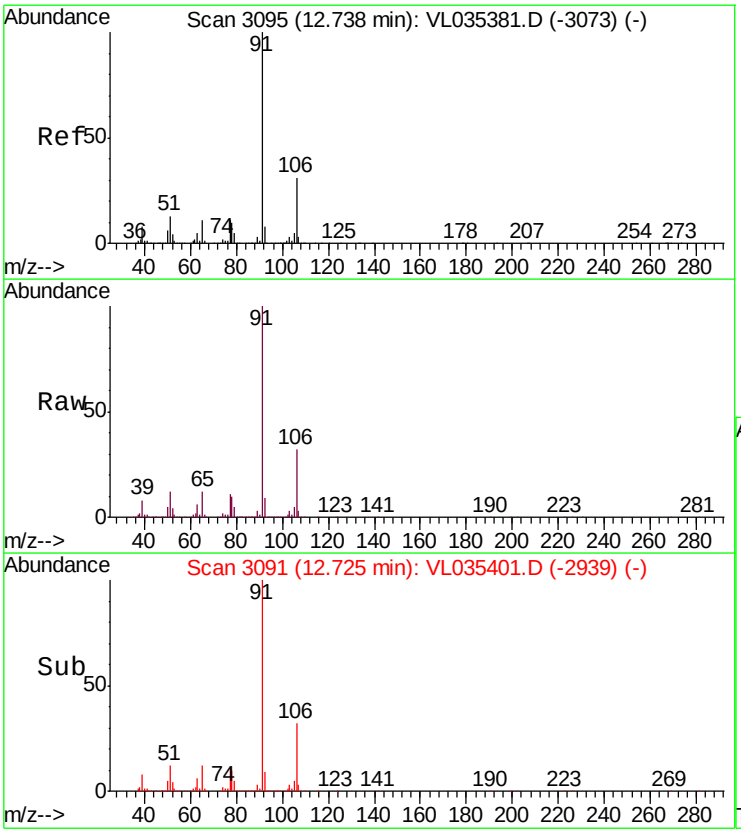
#57
Chlorobenzene
Concen: 7.089 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2432989

Ion	Ratio	Lower	Upper
112	100		
77	74.8	57.6	86.4
114	33.5	30.0	36.6

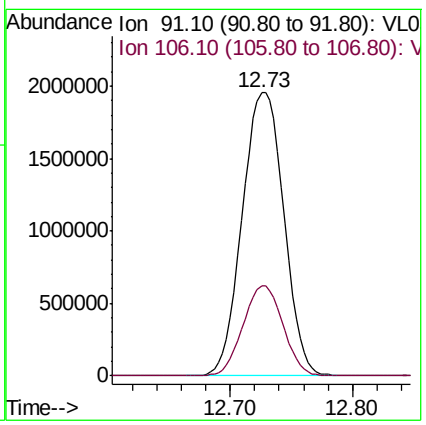


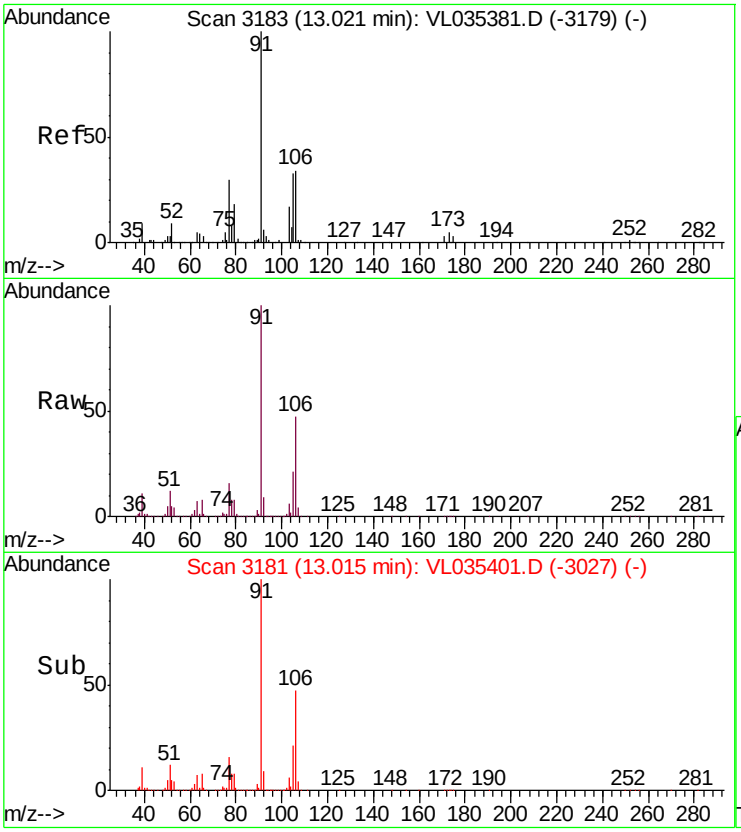


#58
Ethyl Benzene
Concen: 7.240 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 4606518

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.1	37.7



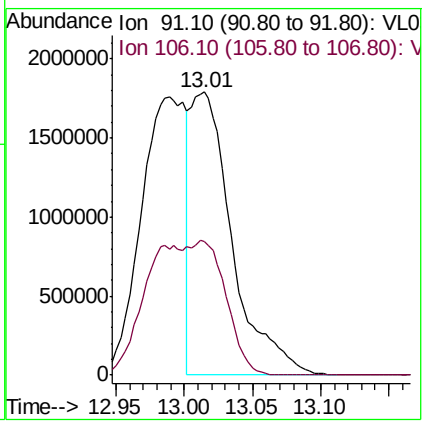


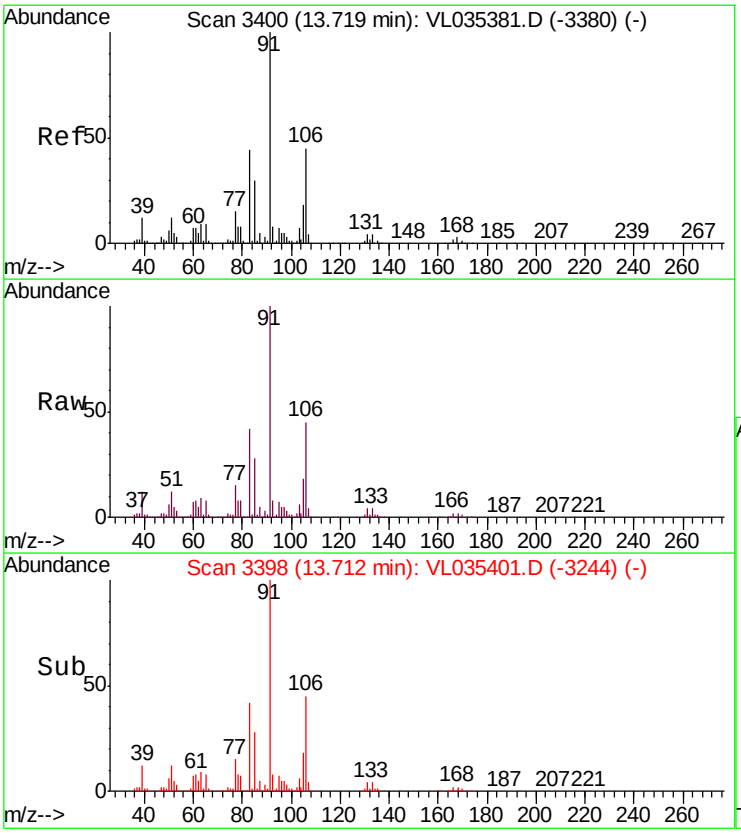
#59
m/p-Xylene
Concen: 7.048 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3739564

Ion	Ratio	Lower	Upper
91	100		
106	90.0	36.7	55.1#

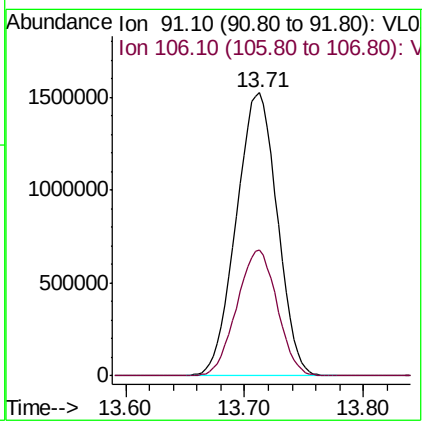


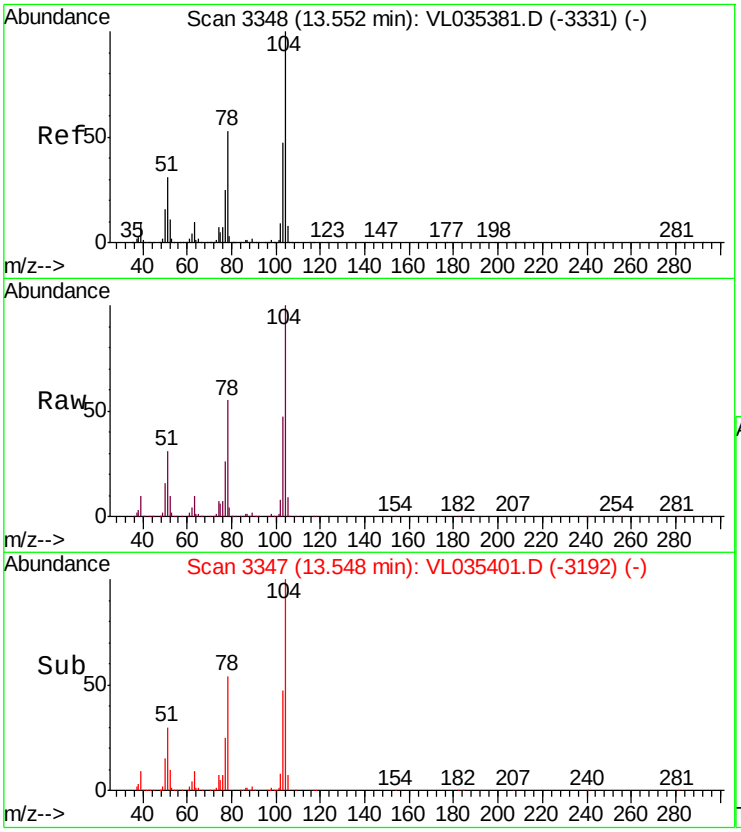


#60
o-Xylene
Concen: 7.074 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 3634692

Ion	Ratio	Lower	Upper
91	100		
106	43.7	22.2	66.6



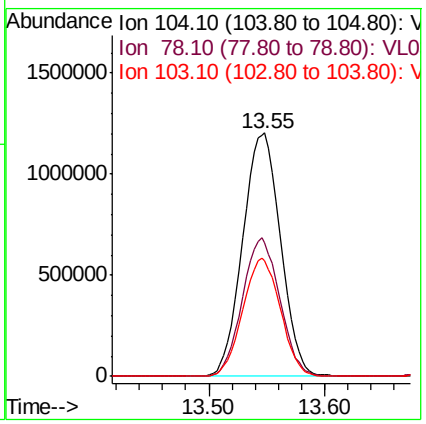


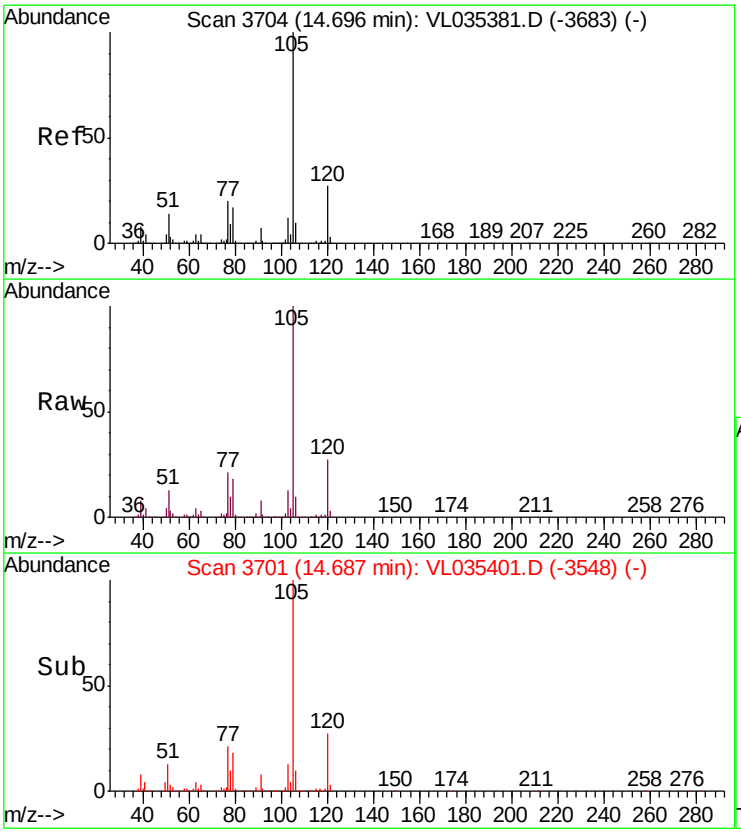
#61
Styrene
Concen: 7.210 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2734882

Ion	Ratio	Lower	Upper
104	100		
78	56.4	43.0	64.4
103	48.3	37.9	56.9

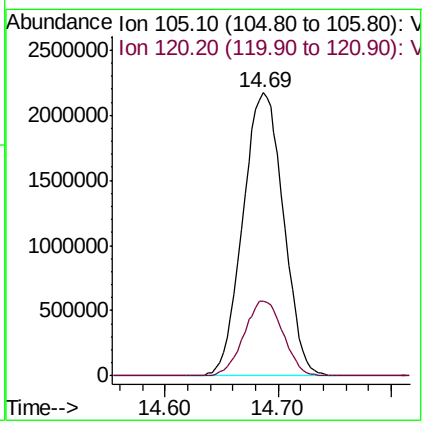


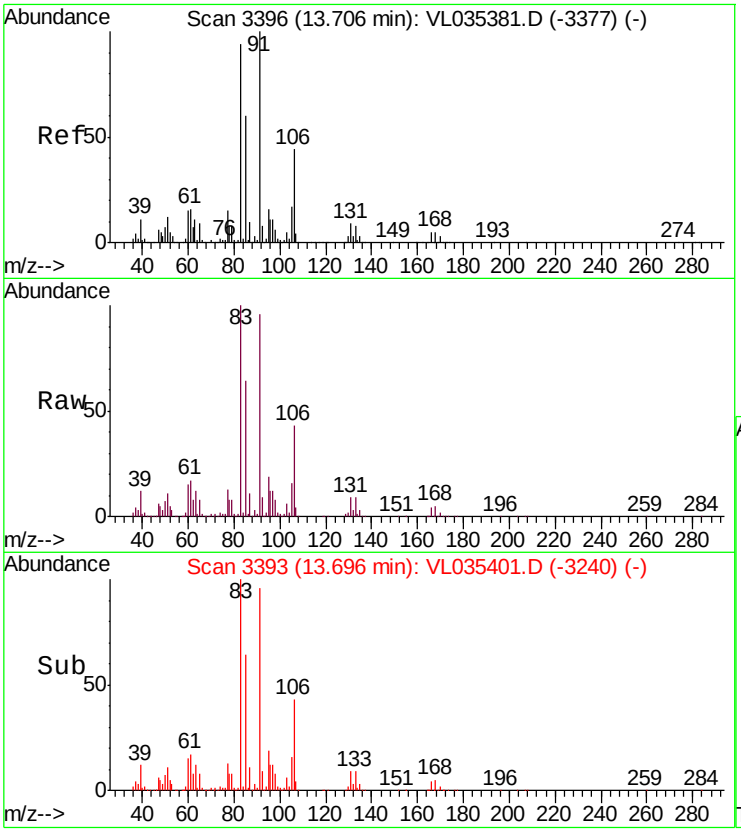


#62
Isopropylbenzene
Concen: 7.029 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 5417000

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.1	31.7



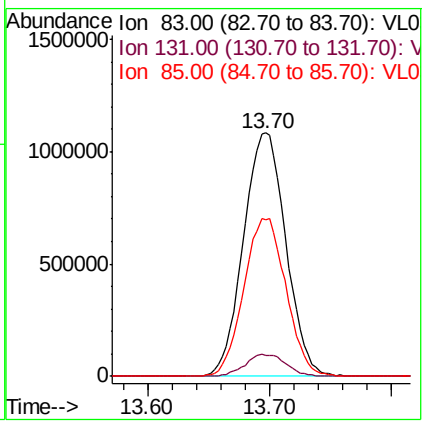


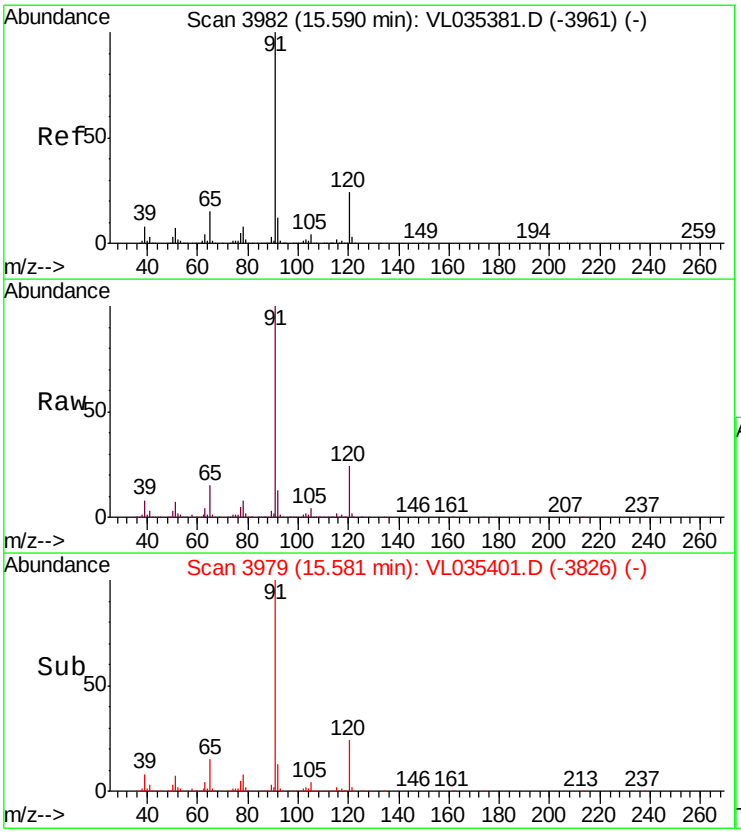
#63
1,1,2,2-Tetrachloroethane
Concen: 6.955 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2606681

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.7
85	64.6	32.4	97.0

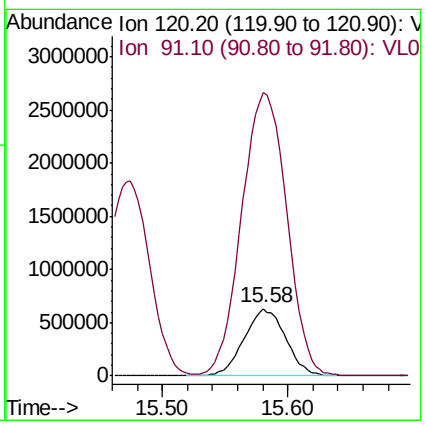


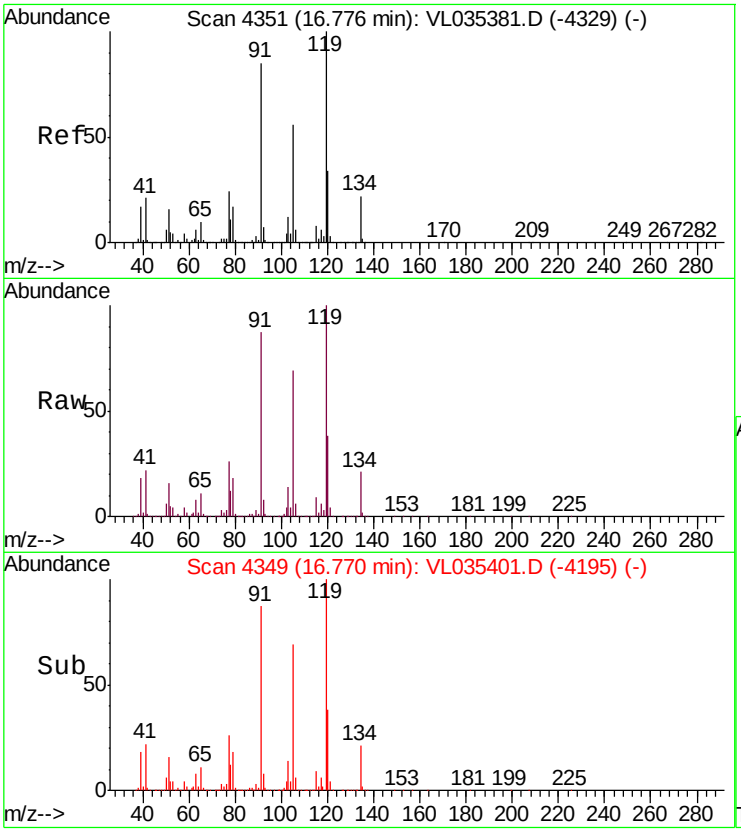


#64
n-propylbenzene
Concen: 7.138 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:120 Resp: 1451286

Ion	Ratio	Lower	Upper
120	100		
91	460.7	356.2	534.4



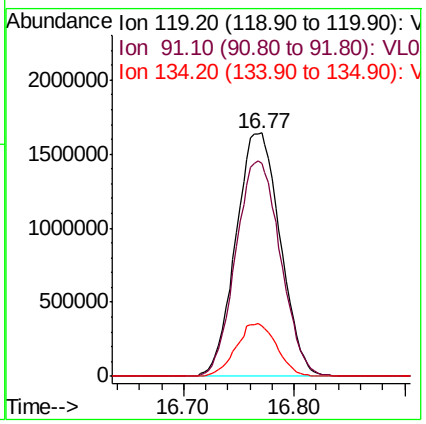


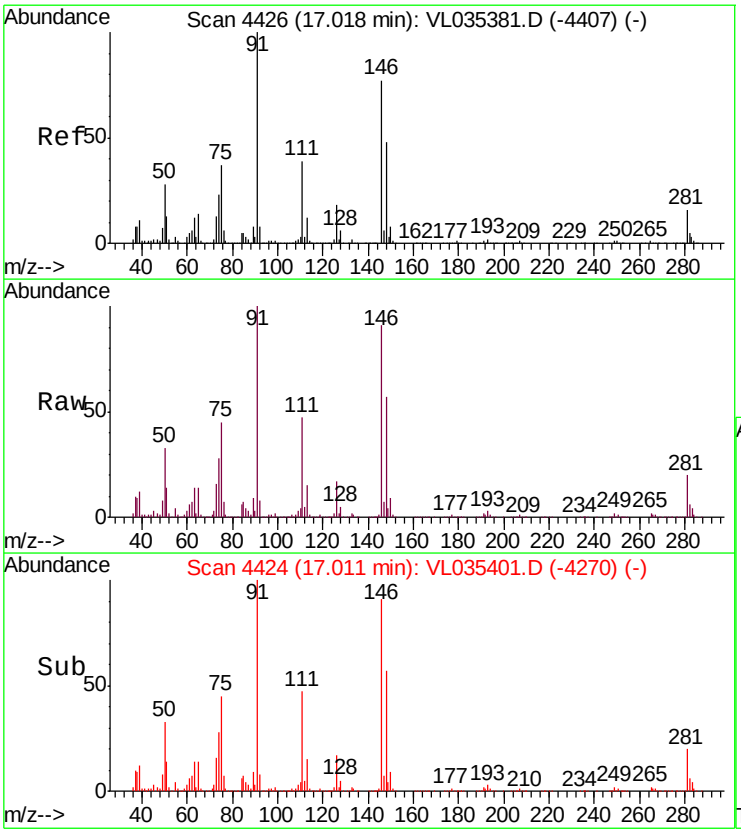
#65
tert-Butylbenzene
Concen: 6.761 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4586998

Ion	Ratio	Lower	Upper
119	100		
91	89.3	68.2	102.4
134	20.0	16.2	24.4

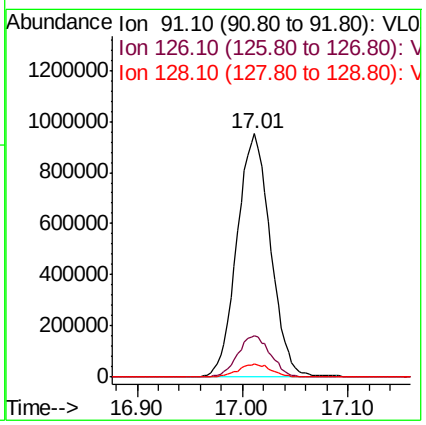


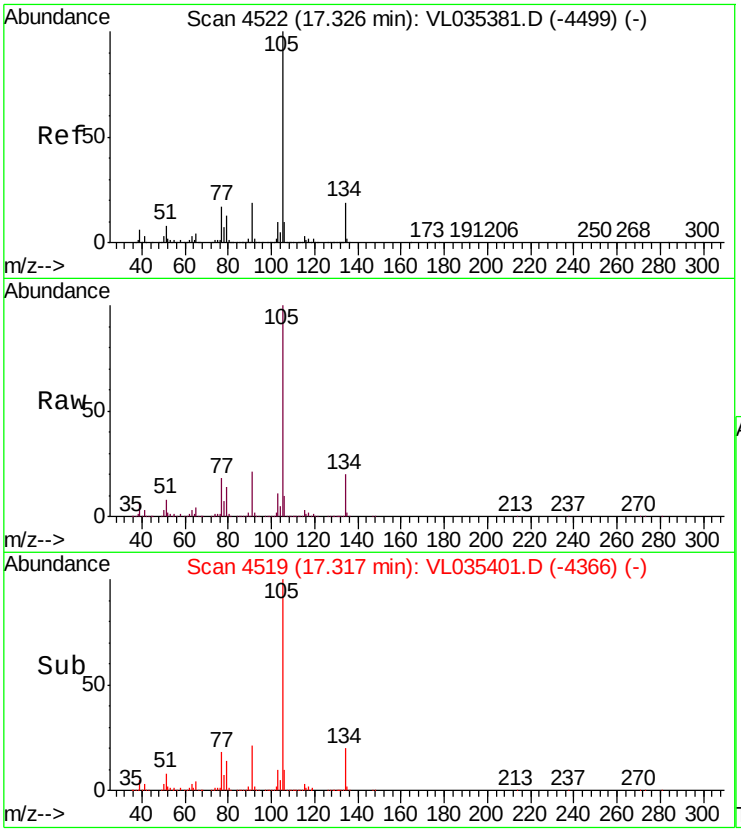


#66
Benzyl Chloride
Concen: 6.856 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 2100926

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.4	21.6
128	5.3	4.6	7.0



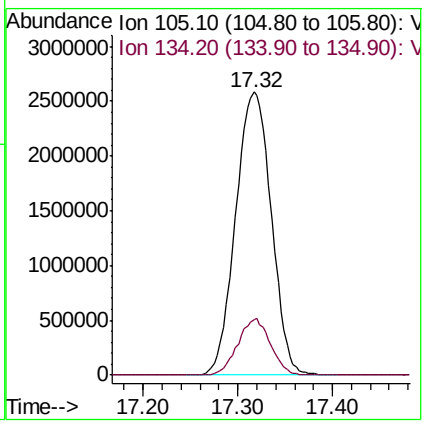


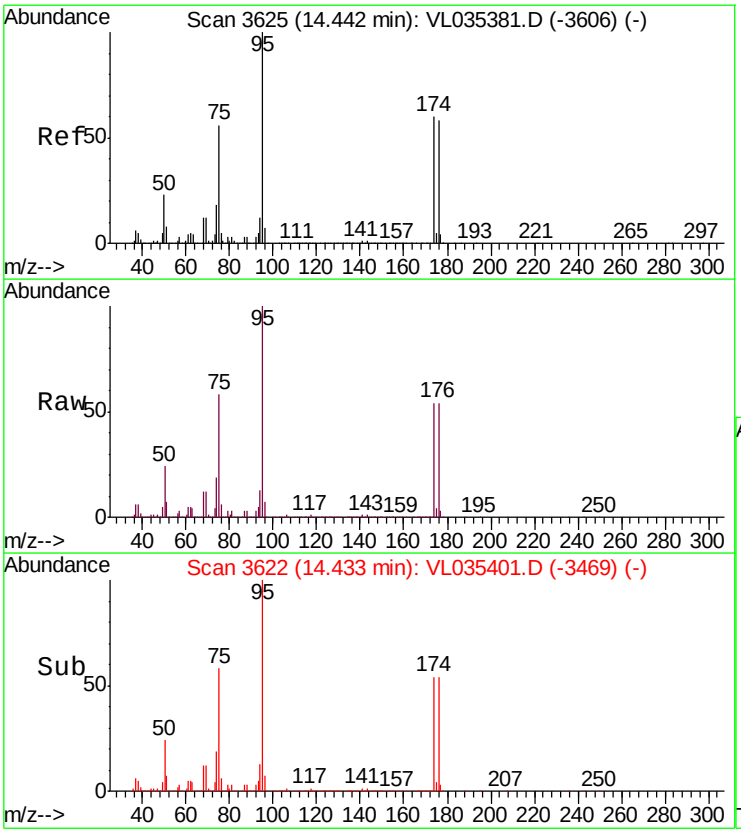
#67
sec-Butylbenzene
Concen: 6.918 ppbv
RT: 17.32 min Scan# 4519
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 6766346

Ion	Ratio	Lower	Upper
105	100		
134	18.3	15.0	22.6

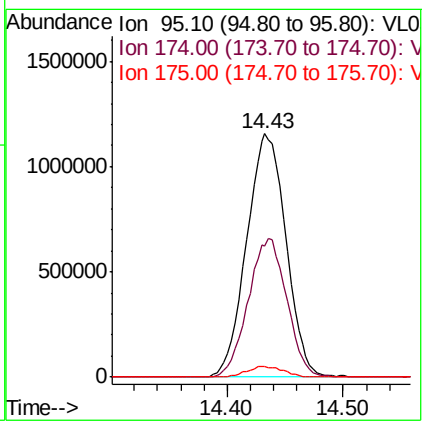


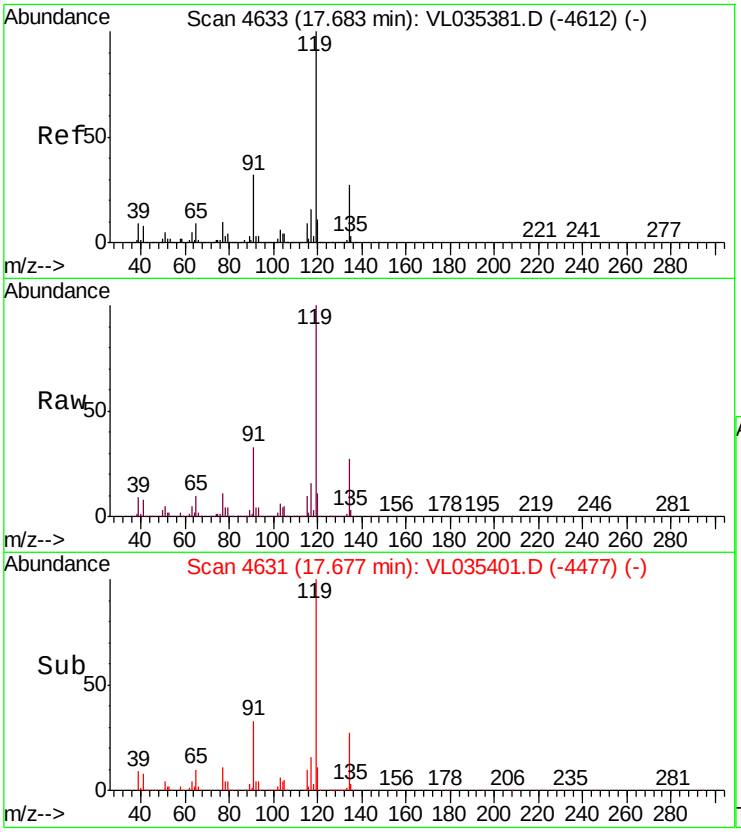


#68
1-Bromo-4-Fluorobenzene
Concen: 8.382 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 95 Resp: 2724657

Ion	Ratio	Lower	Upper
95	100		
174	55.8	48.2	72.2
175	4.2	3.7	5.5



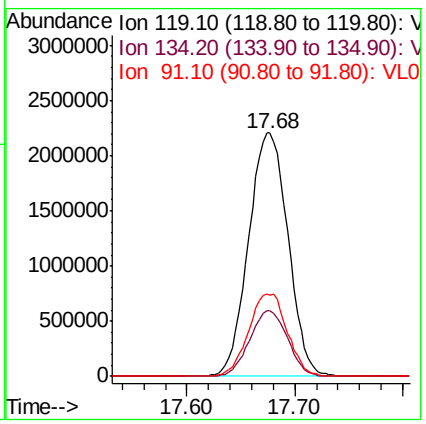


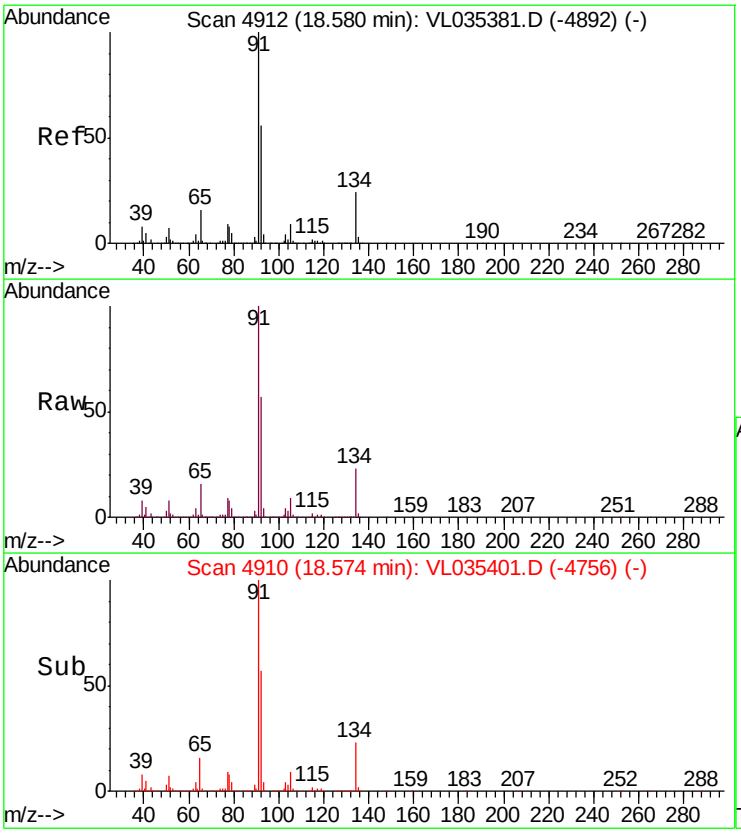
#69
p-Isopropyltoluene
Concen: 6.853 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 5586996

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	33.5	25.3	37.9

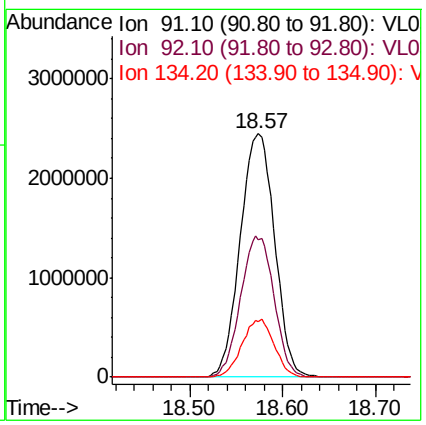


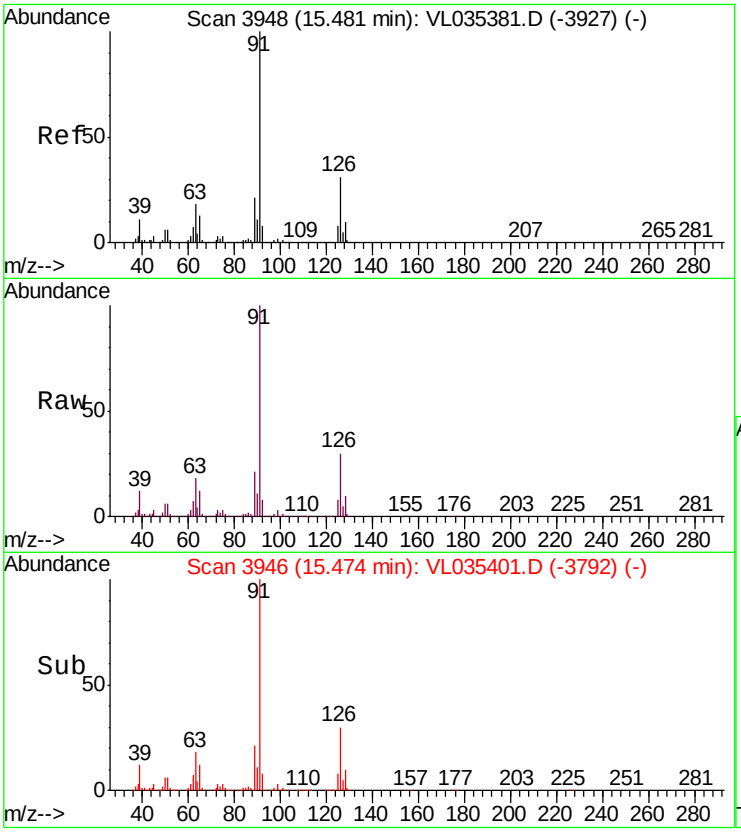


#70
n-Butylbenzene
Concen: 6.981 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 6301190

Ion	Ratio	Lower	Upper
91	100		
92	56.4	45.0	67.6
134	22.2	18.8	28.2



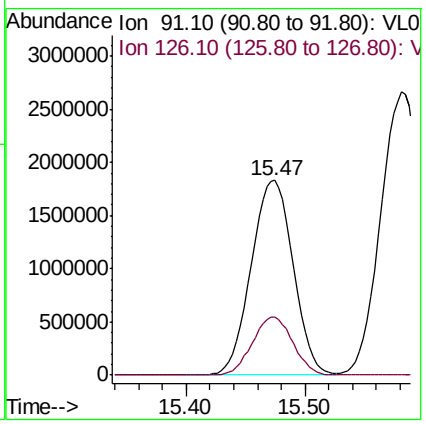


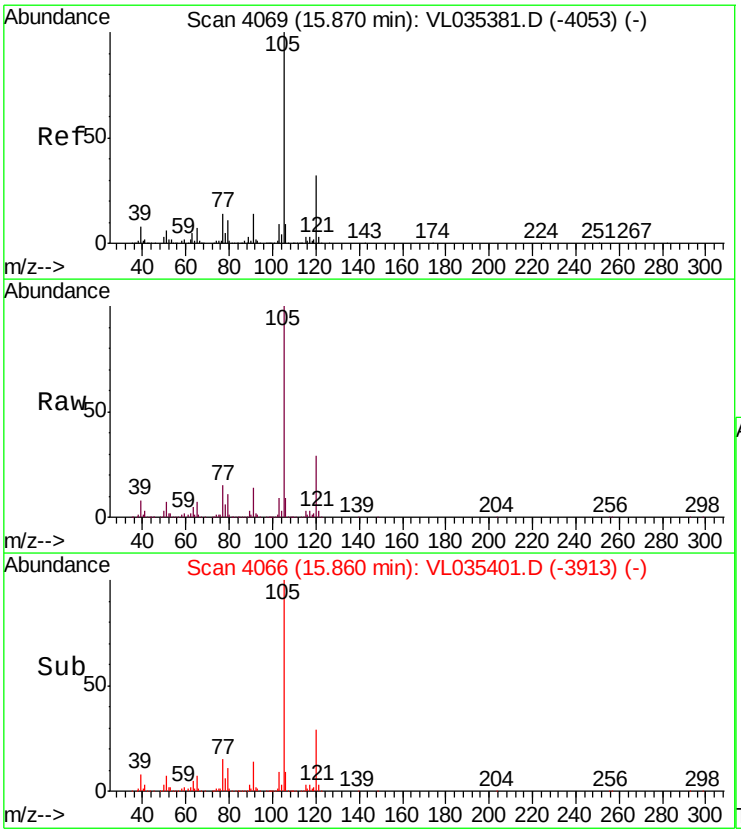
#71
2-Chlorotoluene
Concen: 7.191 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4461042

Ion	Ratio	Lower	Upper
91	100		
126	29.1	12.1	48.3

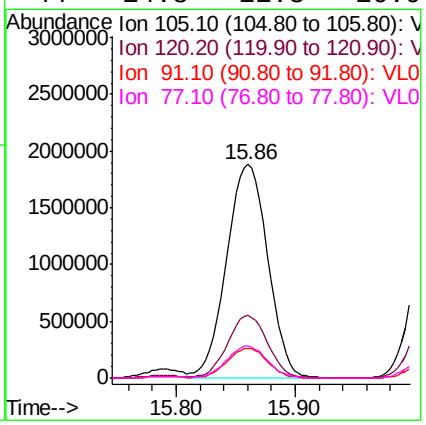


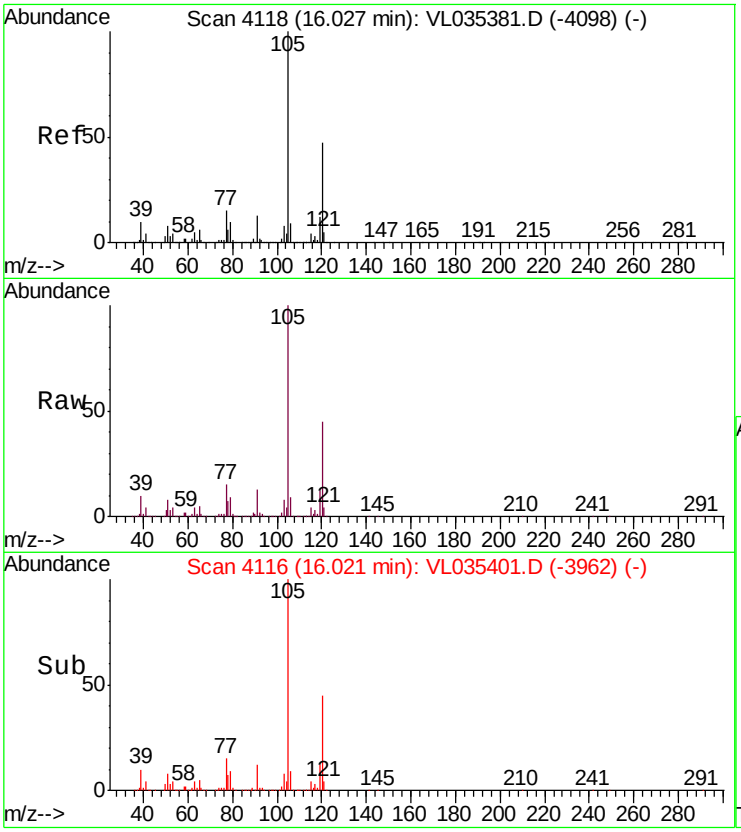


#72
4-Ethyltoluene
Concen: 7.194 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 4511603

Ion	Ratio	Lower	Upper
105	100		
120	28.5	24.0	36.0
91	13.4	10.4	15.6
77	14.8	11.3	16.9



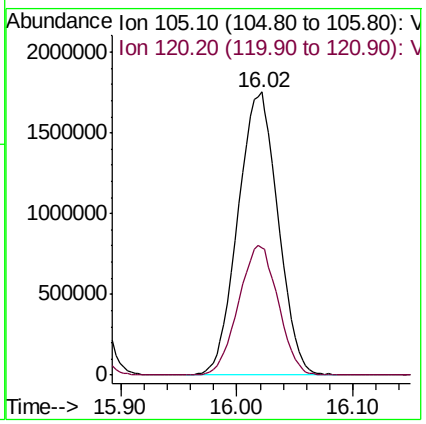


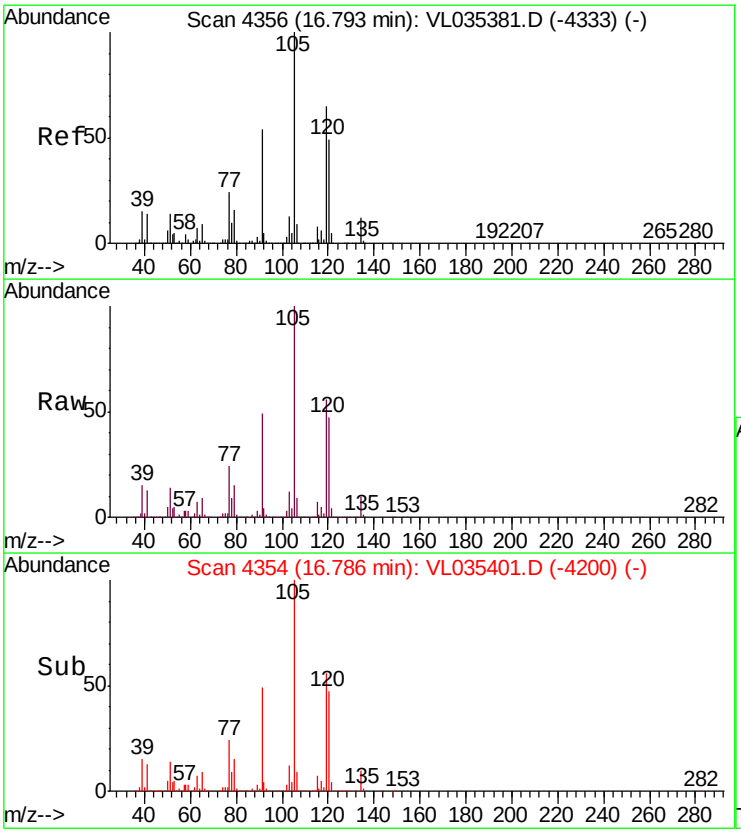
#73
1,3,5-Trimethylbenzene
Concen: 7.147 ppbv
RT: 16.02 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4202569

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.4	56.0

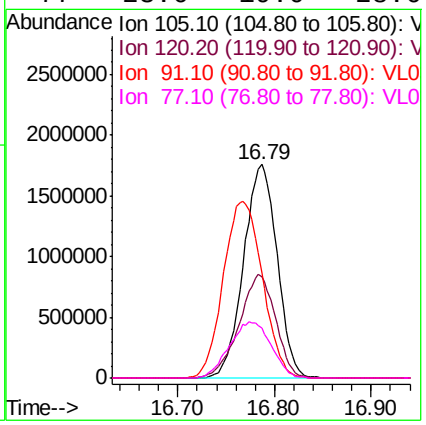


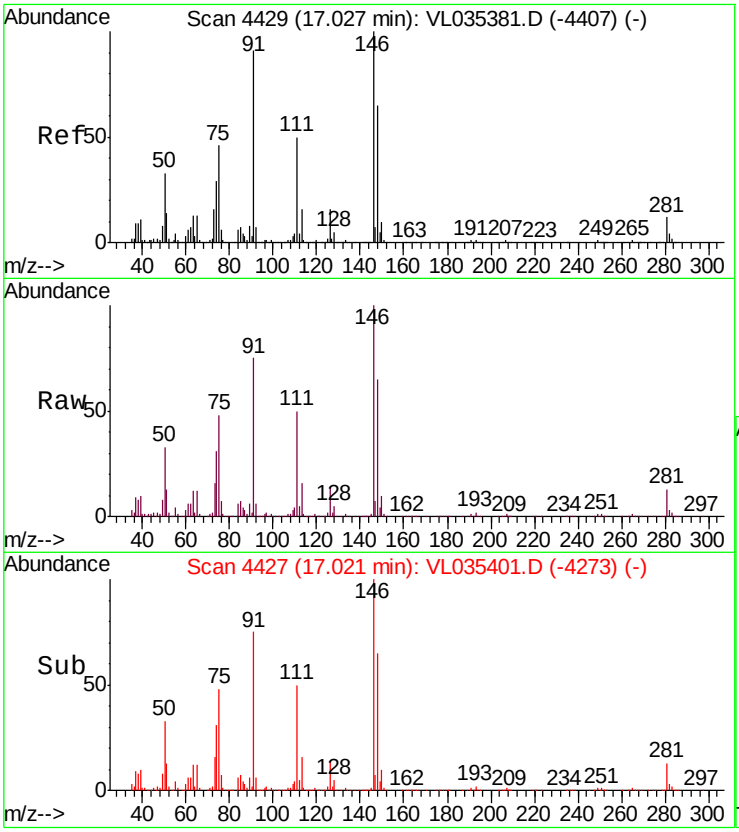


#74
1,2,4-Trimethylbenzene
Concen: 6.834 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 4226468

Ion	Ratio	Lower	Upper
105	100		
120	47.3	39.1	58.7
91	49.2	43.7	65.5
77	23.6	19.0	28.6



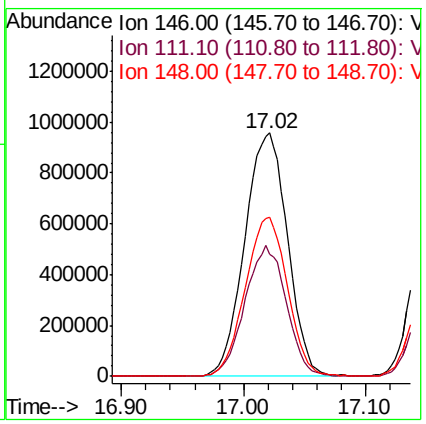


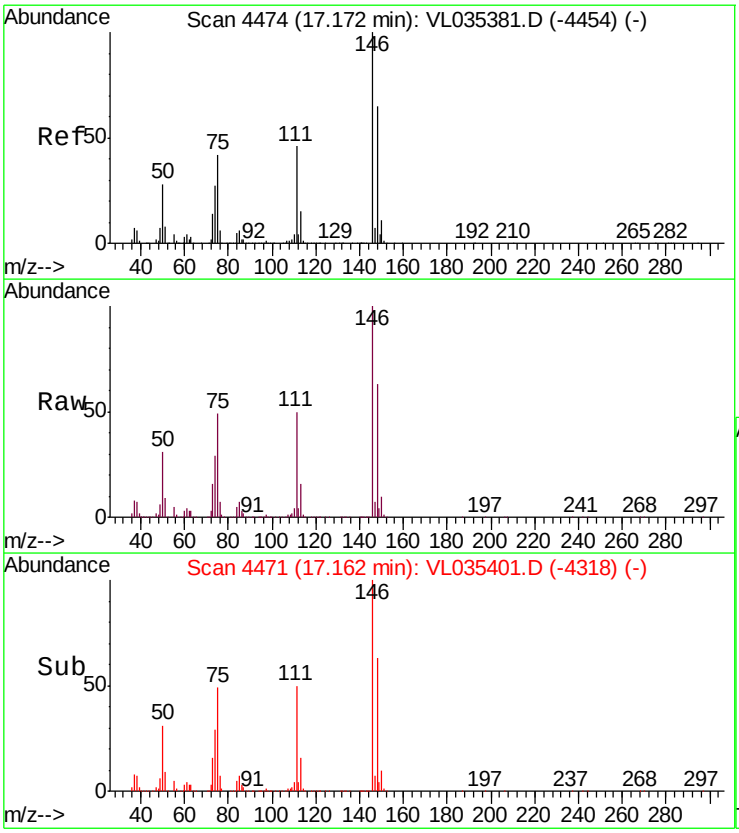
#75
1,3-Dichlorobenzene
Concen: 6.874 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2320137

Ion	Ratio	Lower	Upper
146	100		
111	51.9	25.0	75.0
148	64.4	32.6	97.7

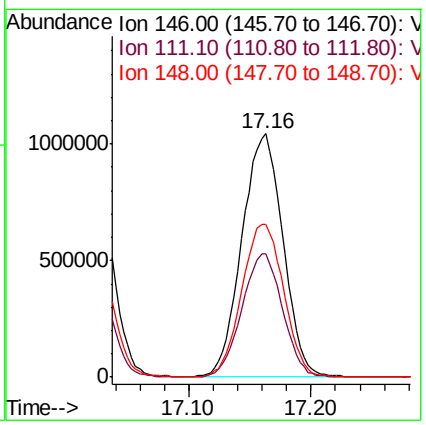


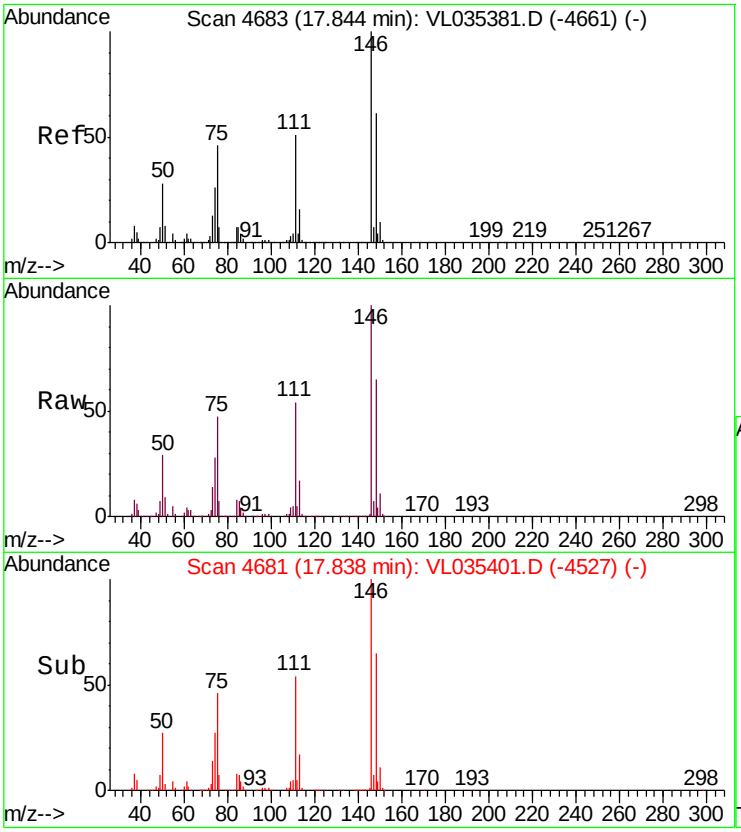


#76
1,4-Dichlorobenzene
Concen: 6.990 ppbv
RT: 17.16 min Scan# 4471
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:146 Resp: 2423350

Ion	Ratio	Lower	Upper
146	100		
111	50.3	24.0	72.0
148	64.3	32.5	97.5



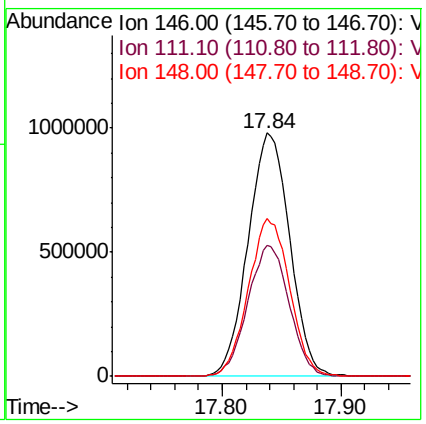


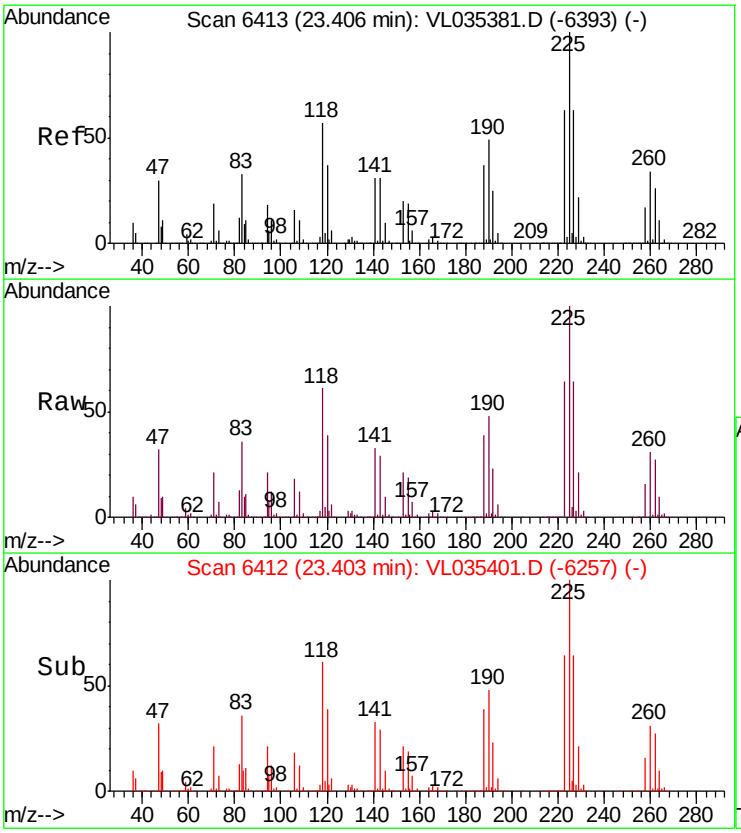
#77
1,2-Dichlorobenzene
Concen: 6.977 ppbv
RT: 17.84 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2374076

Ion	Ratio	Lower	Upper
146	100		
111	53.6	25.9	77.8
148	64.2	32.1	96.3

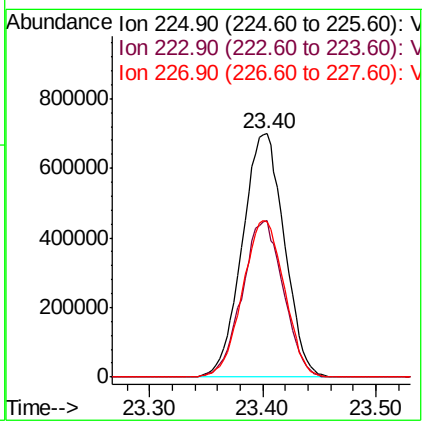


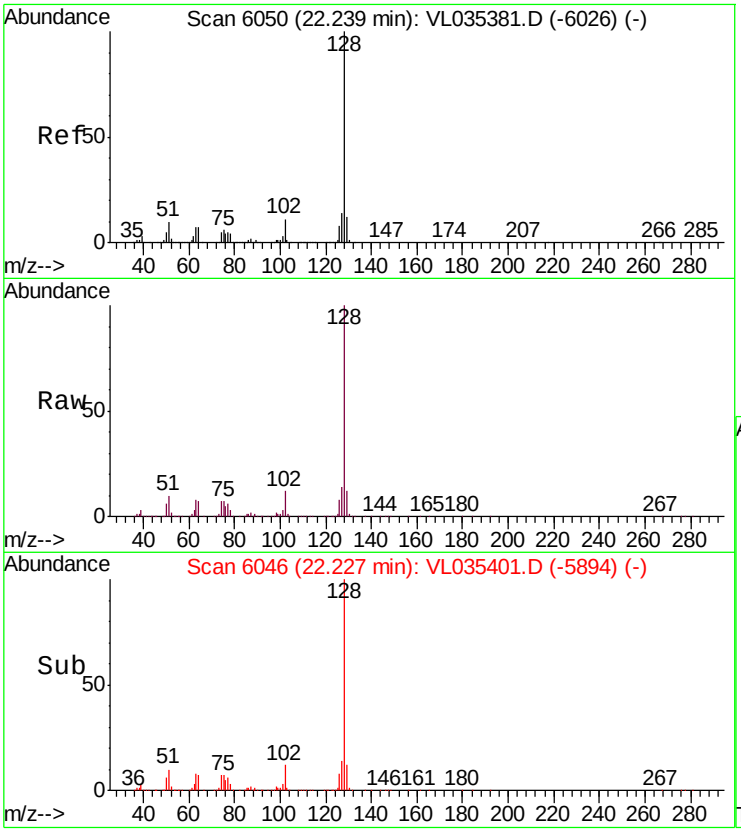


#78
Hexachloro-1,3-Butadiene
Concen: 6.438 ppbv
RT: 23.40 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:225 Resp: 1806423

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.0	76.6
227	63.9	51.0	76.6



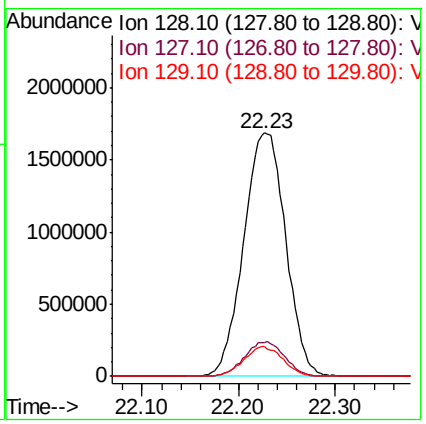


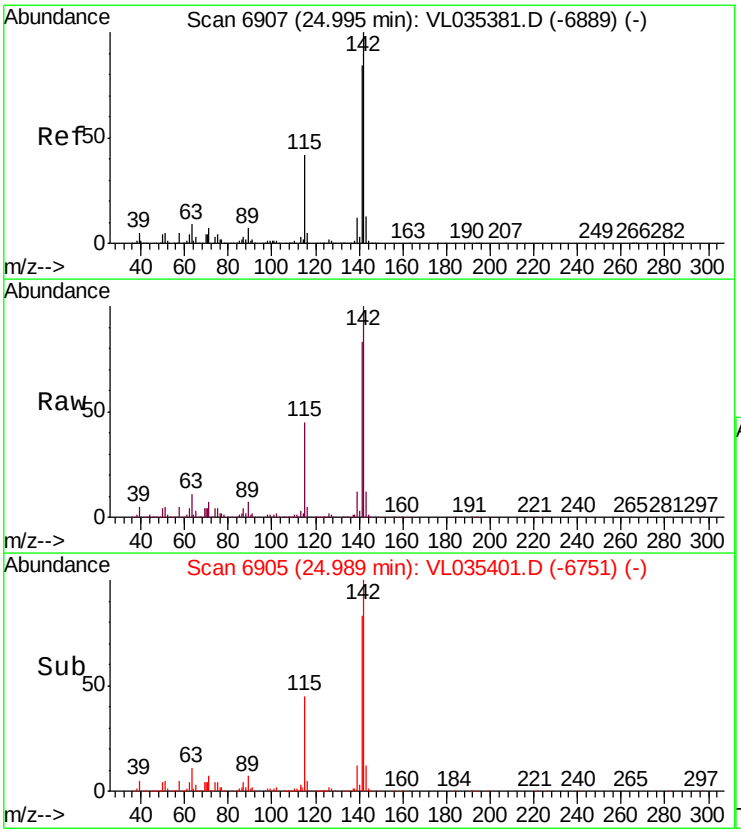
#79
Naphthalene
Concen: 6.603 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 5086065

Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	12.5	9.2	13.8

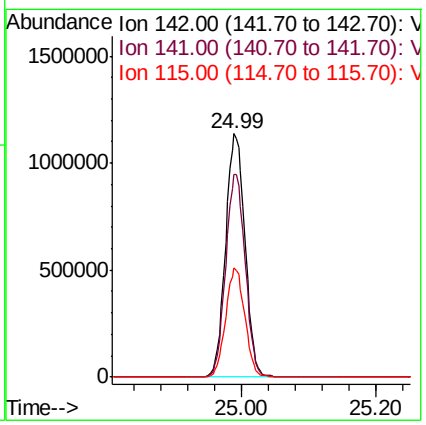


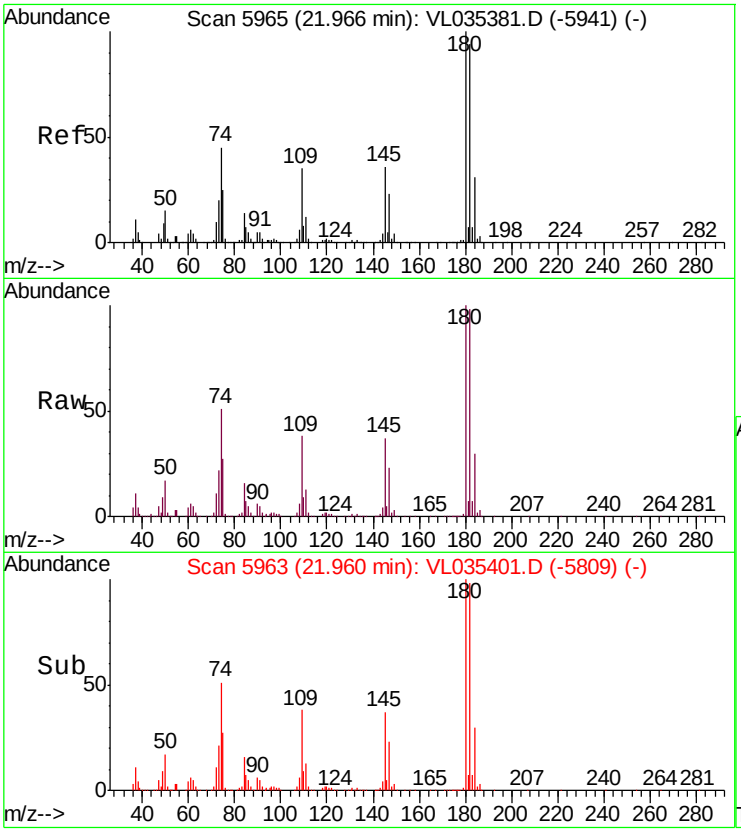


#80
Naphthalene,2-methyl-
Concen: 6.362 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:142 Resp: 2282076

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.7	101.5
115	44.4	34.0	51.0





#81
1,2,4-Trichlorobenzene
Concen: 6.535 ppbv
RT: 21.96 min Scan# 5963
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 2382554

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.6	116.4
184	31.3	24.7	37.1