Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081220\

Quantitation Report (Not Reviewed)

Data File : VL035383.D
Acq On : 12 Aug 2020 13:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Aug 12 15:24:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:19:58 2020
QLast Update : Wed Aug 12 15:19:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1400344	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3299148	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	3193252	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2555180	9.60	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	187340	1.006	ppbv		92
3) Chlorodifluoromethane	2.98	51	178471	1.116	ppbv		100
4) Chloromethane	3.13	50	99544	1.100	ppbv		90
5) Vinyl Chloride	3.25	62	88684	0.953	ppbv		96
6) Bromomethane	3.47	94	49401	0.866	ppbv	#	80
7) Chloroethane	3.55	64	34263	0.991	ppbv		92
8) Dichlorotetrafluoroethane	3.18	85	218263	0.991	ppbv		99
9) Propene	3.01	41	91932	1.614	ppbv		94
10) Heptane	8.13	43	235074	1.616	ppbv		99
11) Trichlorofluoromethane	3.95	101	221904	0.920	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	152012	0.881	ppbv		95
13) Ethanol	3.60	45	17367	0.884	ppbv	#	11
14) Bromoethene	3.74	108	65978	0.954	ppbv		97
15) Acetone	3.86	43	194440	0.978	ppbv		95
16) 1,3-Butadiene	3.32	39	83610	1.092	ppbv		96
17) tert-Butyl alcohol	4.30	59	223906	1.227	ppbv		98
18) 1,1-Dichloroethene	4.28	96	67402	0.910	ppbv		95
19) Isopropyl Alcohol	3.97	45	150716	1.196	ppbv	#	46
20) Methylene Chloride	4.35	84	74205	0.915	ppbv		97
21) Allyl Chloride	4.41	41	123182	1.081	ppbv		98
22) trans-1,2-Dichloroethene	4.89	96	65584	0.913	ppbv		91
23) Vinyl Acetate	5.08	43	306449	1.607	ppbv	#	96
24) 1,1-Dichloroethane	5.01	63	197807	1.104	ppbv		97
25) Ethyl Acetate	5.69	43	398134	1.318	ppbv		99
26) Hexane	5.69	57	173910	1.327	ppbv		99
27) Carbon Disulfide	4.55	76	170560	0.931	ppbv		96
28) Methyl tert-Butyl Ether	5.05	73	280802	1.473	ppbv		99
29) Chloroform	5.75	83	249212	1.103	ppbv		99
30) Cyclohexane	7.14	84	138197	1.391	ppbv		97
31) cis-1,2-Dichloroethene	5.55	61	169444	1.454	ppbv		94
32) 1,1,1-Trichloroethane	6.52	97	248292	1.046	ppbv		99
34) 2-Butanone	5.25	43	259692	1.599	ppbv		97
35) Carbon Tetrachloride	7.02	117	237420	1.046	ppbv		97
36) Benzene	6.90	78	344541	1.547	ppbv		96
37) 1,2-Dichloroethane	6.31	62	191832	1.233	ppbv		98
38) Trichloroethene	7.84	130	128066	1.246	ppbv		93
39) 1,2-Dichloropropane	7.62	63	66274	0.735	ppbv		92
40) 1,4-Dioxane	7.86	88	30454	0.789	ppbv	#	1
41) Tetrahydrofuran	6.06	42	64470	0.809	ppbv	#	38
42) Bromodichloromethane	7.80	83	263483	1.261	ppbv		92
43) Methyl Methacrylate	8.03	69	148838	1.588	ppbv		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081220\

Quantitation Report (Not Reviewed)

Data File : VL035383.D
Acq On : 12 Aug 2020 13:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Aug 12 15:24:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:19:58 2020
QLast Update : Wed Aug 12 15:19:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	619394	1.565	ppbv		98
45) t-1,3-Dichloropropene	9.29	75	169369	1.742	ppbv		97
46) cis-1,3-Dichloropropene	8.71	75	199749	1.701	ppbv		95
47) 1,1,2-Trichloroethane	9.48	97	133274	1.229	ppbv		93
48) Dibromochloromethane	10.31	129	217514	1.225	ppbv		97
49) Bromoform	13.06	173	170328	1.052	ppbv		99
50) 4-Methyl-2-Pentanone	8.76	43	384290	1.549	ppbv		98
51) 2-Hexanone	10.16	43	326777	1.681	ppbv	#	99
52) Tetrachloroethene	11.24	164	112120	1.269	ppbv		94
53) Toluene	9.82	91	412602	1.703	ppbv		98
54) 1,2-Dibromoethane	10.63	107	220520	1.417	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.14	131	169975	1.128	ppbv	#	1
57) Chlorobenzene	12.16	112	308529	1.283	ppbv		97
58) Ethyl Benzene	12.73	91	581261	1.749	ppbv		91
59) m/p-Xylene	13.02	91	355681	1.150	ppbv	#	30
60) o-Xylene	13.71	91	465900	1.517	ppbv		98
61) Styrene	13.54	104	215308	1.148	ppbv	#	61
62) Isopropylbenzene	14.69	105	700542	1.515	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.69	83	321761	1.228	ppbv		100
64) n-propylbenzene	15.58	120	178727	1.439	ppbv		79
65) tert-Butylbenzene	16.77	119	625527	1.478	ppbv		99
66) Benzyl Chloride	17.01	91	263445	1.572	ppbv		99
67) sec-Butylbenzene	17.32	105	909129	1.518	ppbv		97
69) p-Isopropyltoluene	17.68	119	760941	1.559	ppbv		98
70) n-Butylbenzene	18.58	91	842611	1.614	ppbv		96
71) 2-Chlorotoluene	15.47	91	562568	1.661	ppbv		97
72) 4-Ethyltoluene	15.86	105	563818	1.611	ppbv		98
73) 1,3,5-Trimethylbenzene	16.02	105	535665	1.595	ppbv		93
74) 1,2,4-Trimethylbenzene	16.79	105	578965	1.508	ppbv		94
75) 1,3-Dichlorobenzene	17.02	146	308540	1.229	ppbv		99
76) 1,4-Dichlorobenzene	17.17	146	162056	0.697	ppbv	#	22
77) 1,2-Dichlorobenzene	17.84	146	300931	1.298	ppbv		98
78) Hexachloro-1,3-Butadiene	23.40	225	148380	0.752	ppbv	#	18
79) Naphthalene	22.23	128	411779	1.394	ppbv		95
80) Naphthalene,2-methyl-	24.99	142	323480	4.816	ppbv		98
81) 1,2,4-Trichlorobenzene	21.96	180	336476	1.808	ppbv		99

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

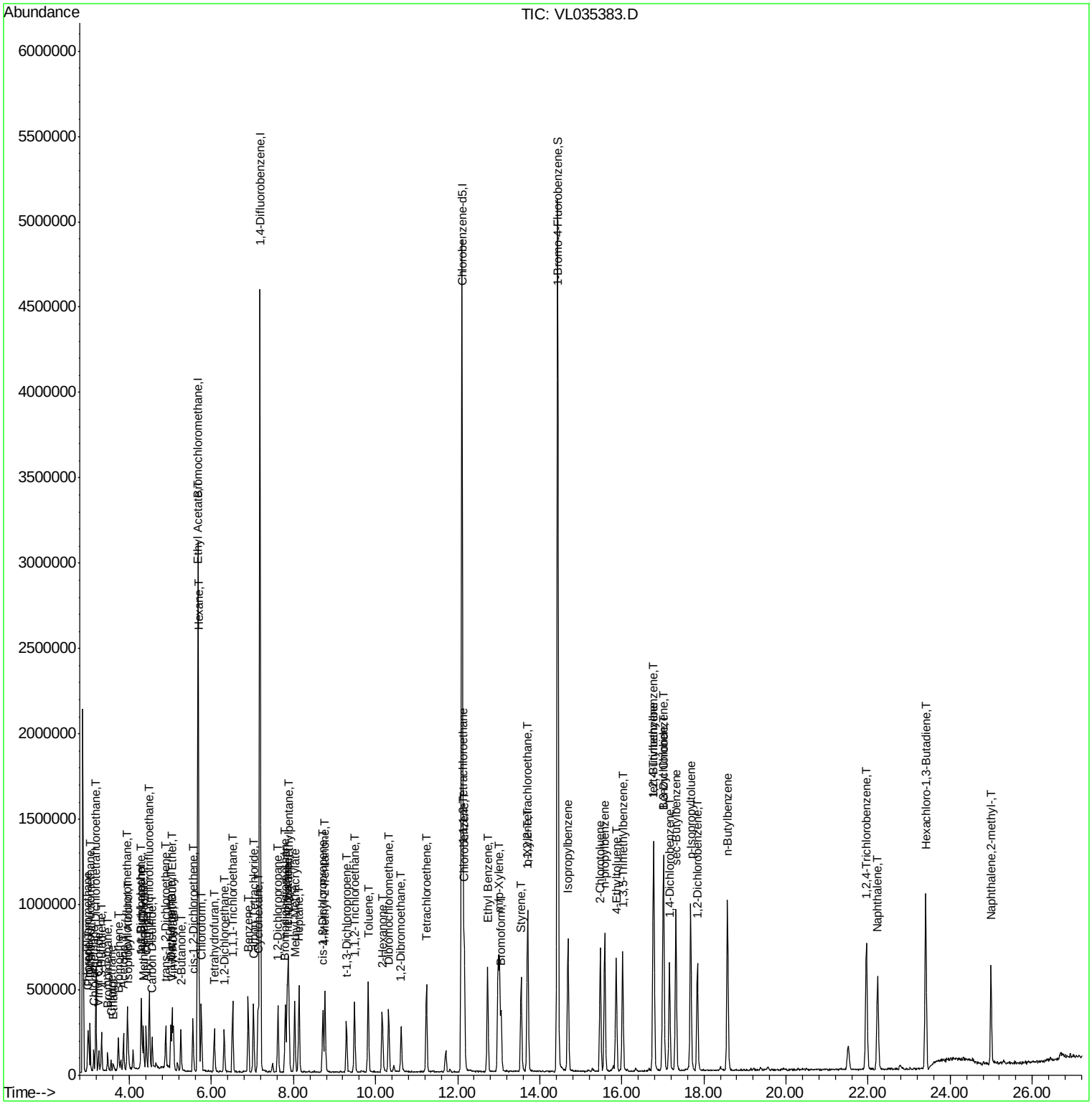
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081220\

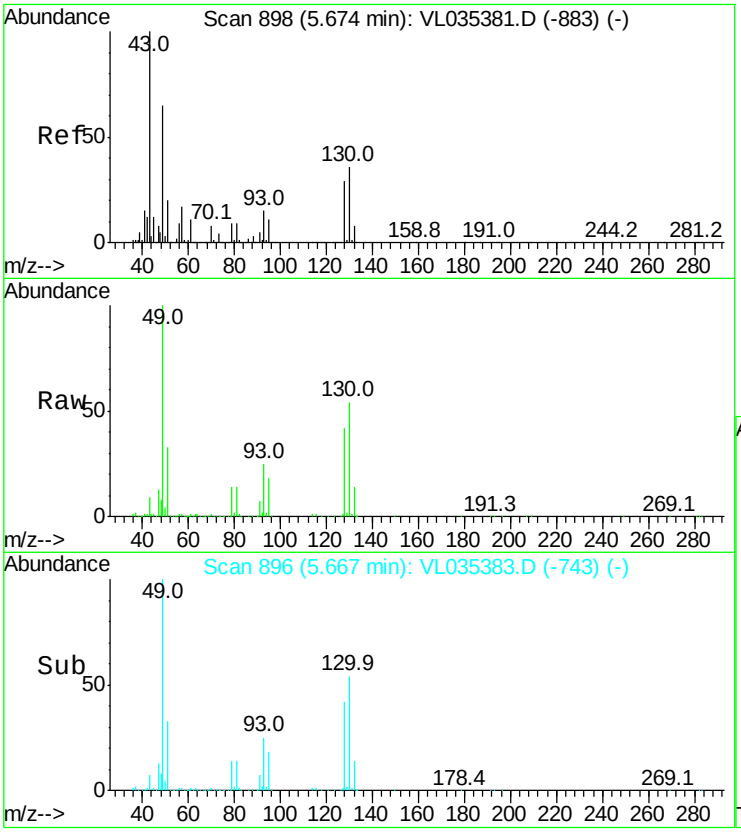
Quantitation Report (Not Reviewed)

Data File : VL035383.D
Acq On : 12 Aug 2020 13:17
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Aug 12 15:24:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 15:19:58 2020
QLast Update : Wed Aug 12 15:19:58 2020
Response via : Initial Calibration



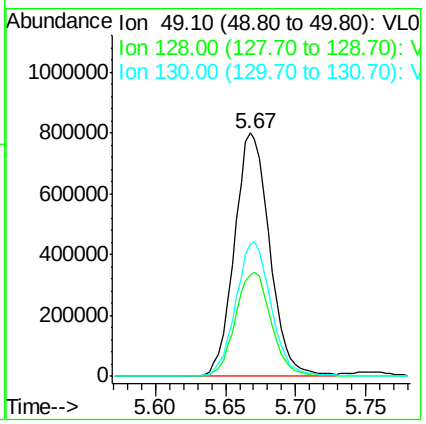


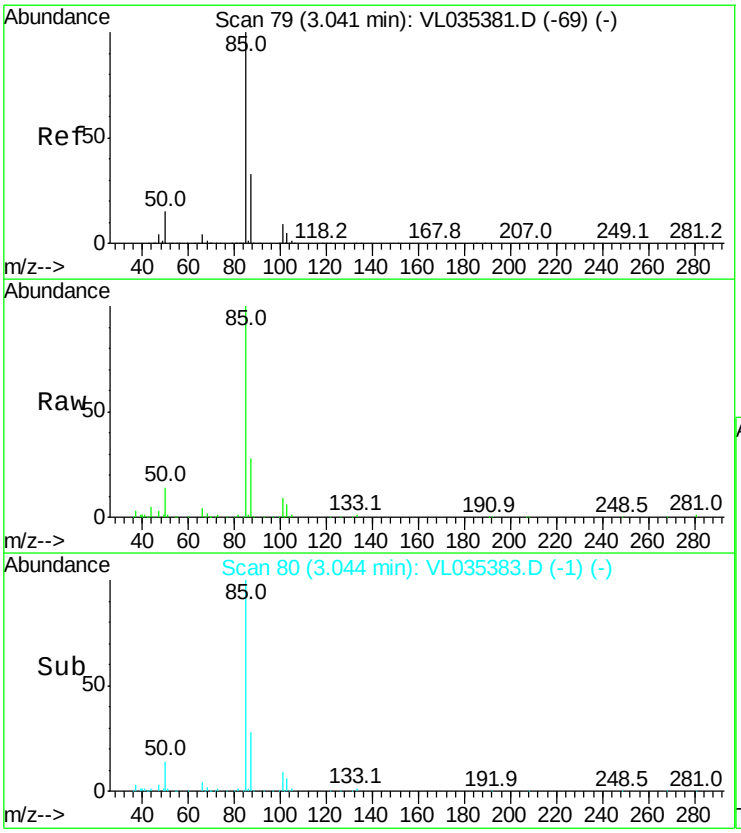
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1400344

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.8	65.3
130	55.9	27.9	83.6

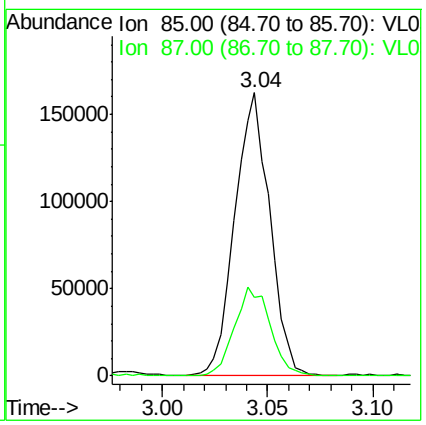


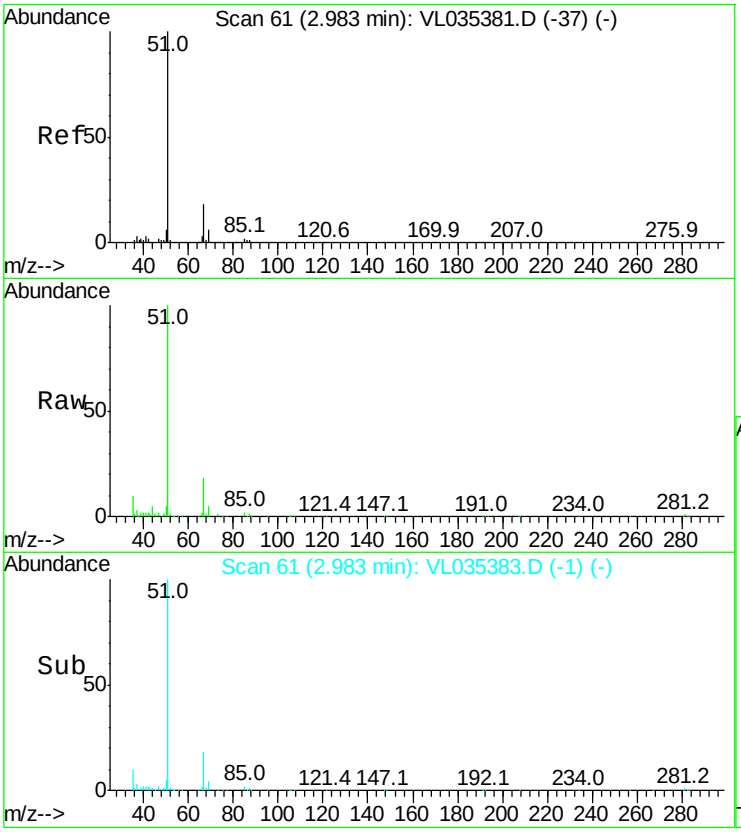


#2
Dichlorodifluoromethane
Concen: 1.006 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 85 Resp: 187340

Ion	Ratio	Lower	Upper
85	100		
87	27.9	26.1	39.1



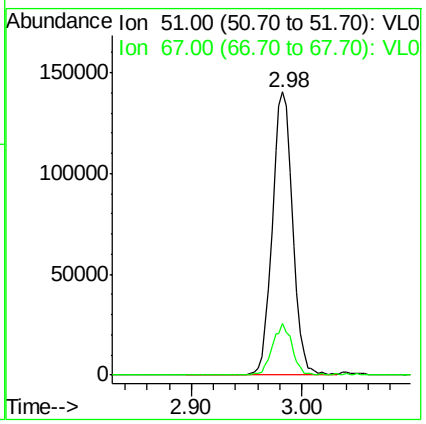


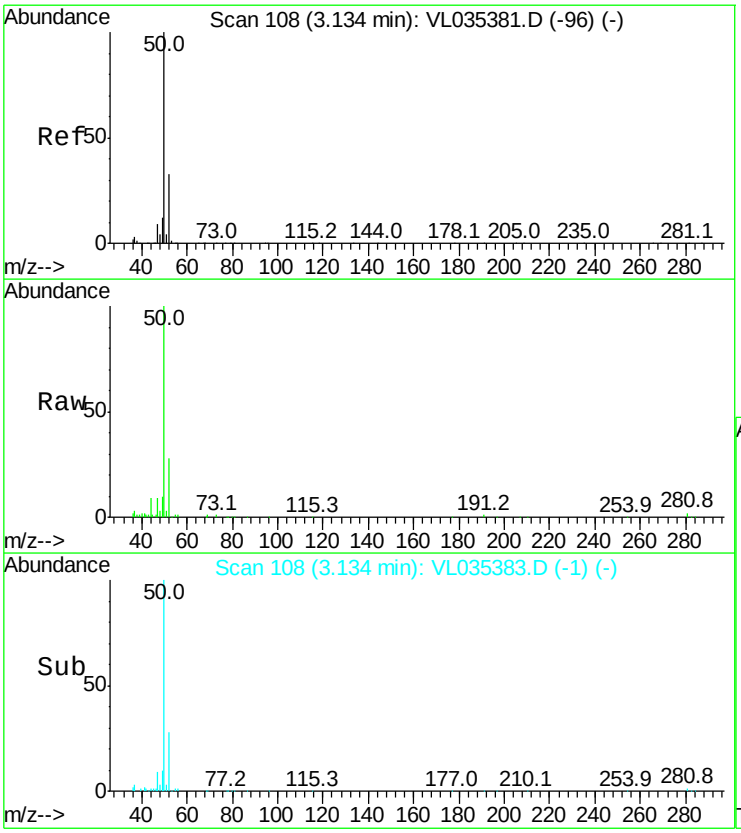
#3
Chlorodifluoromethane
Concen: 1.116 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 178471

Ion	Ratio	Lower	Upper
51	100		
67	17.7	14.1	21.1

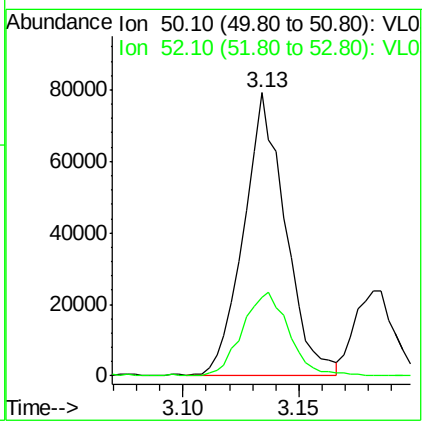


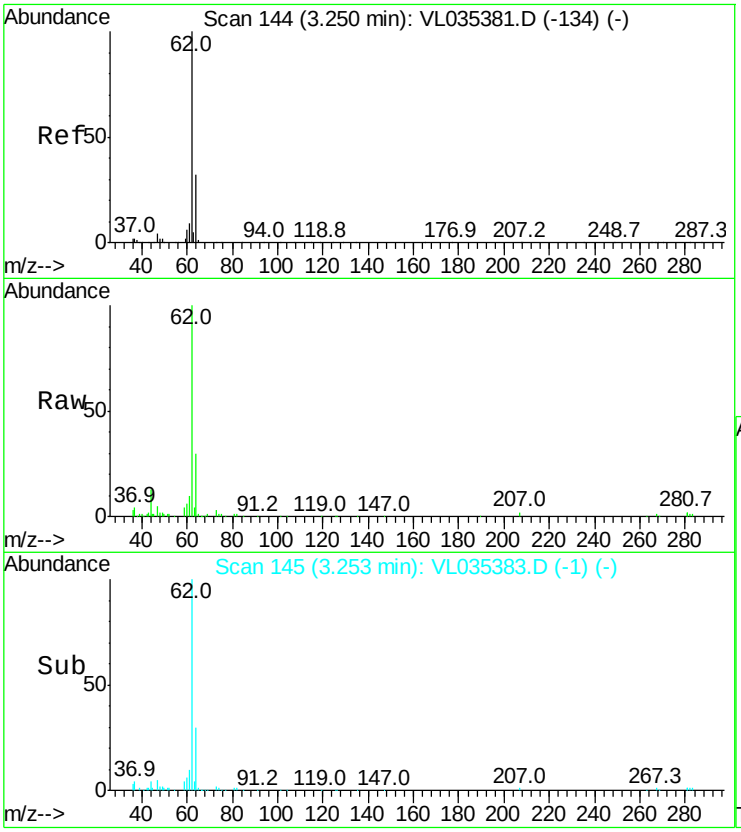


#4
Chloromethane
Concen: 1.100 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 50 Resp: 99544

Ion	Ratio	Lower	Upper
50	100		
52	27.6	26.6	39.8



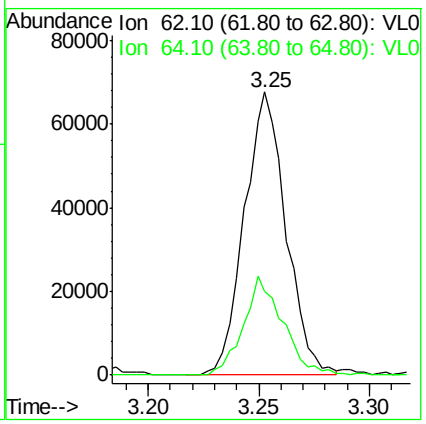


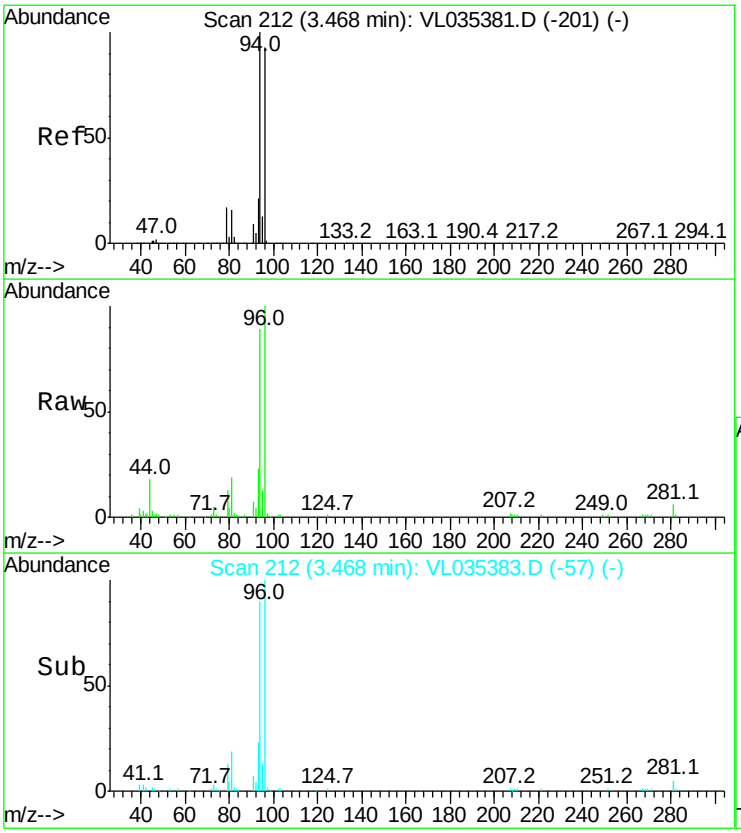
#5
Vinyl Chloride
Concen: 0.953 ppbv
RT: 3.25 min Scan# 145
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 88684

Ion	Ratio	Lower	Upper
62	100		
64	29.6	25.7	38.5

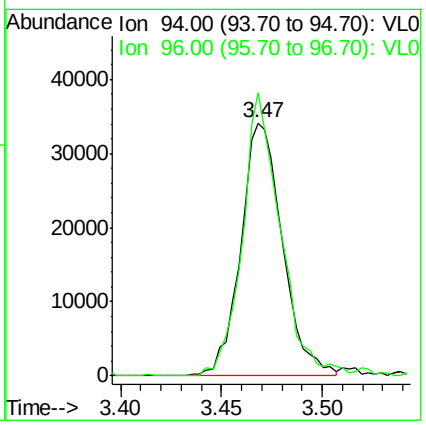


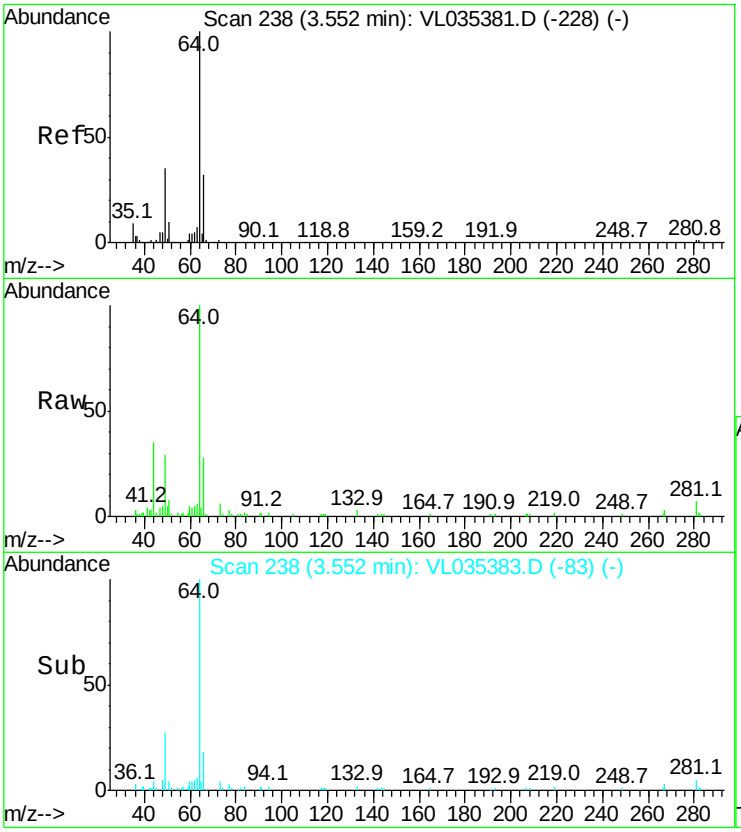


#6
Bromomethane
Concen: 0.866 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 94 Resp: 49401

Ion	Ratio	Lower	Upper
94	100		
96	111.8	74.4	111.6#



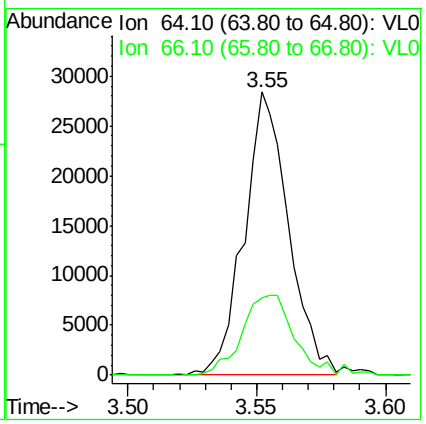


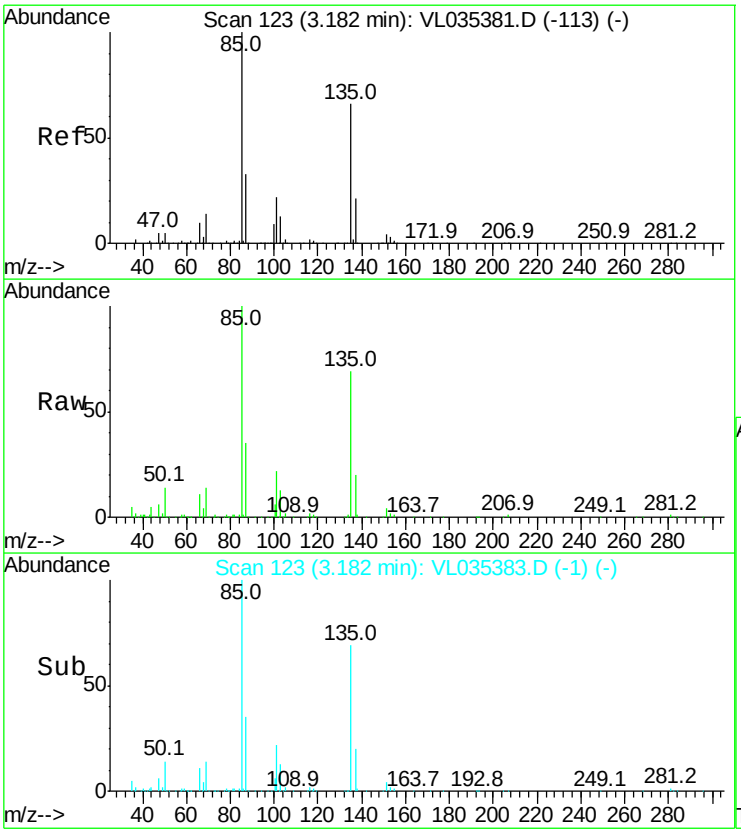
#7
Chloroethane
Concen: 0.991 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 34263

Ion	Ratio	Lower	Upper
64	100		
66	27.5	25.7	38.5

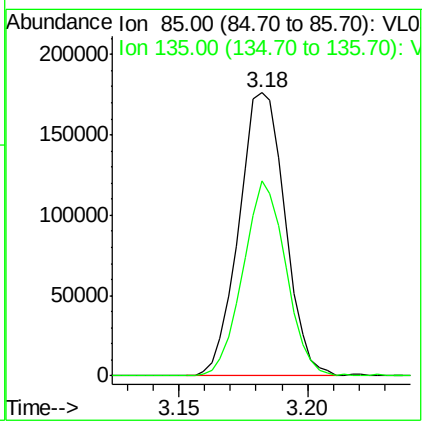


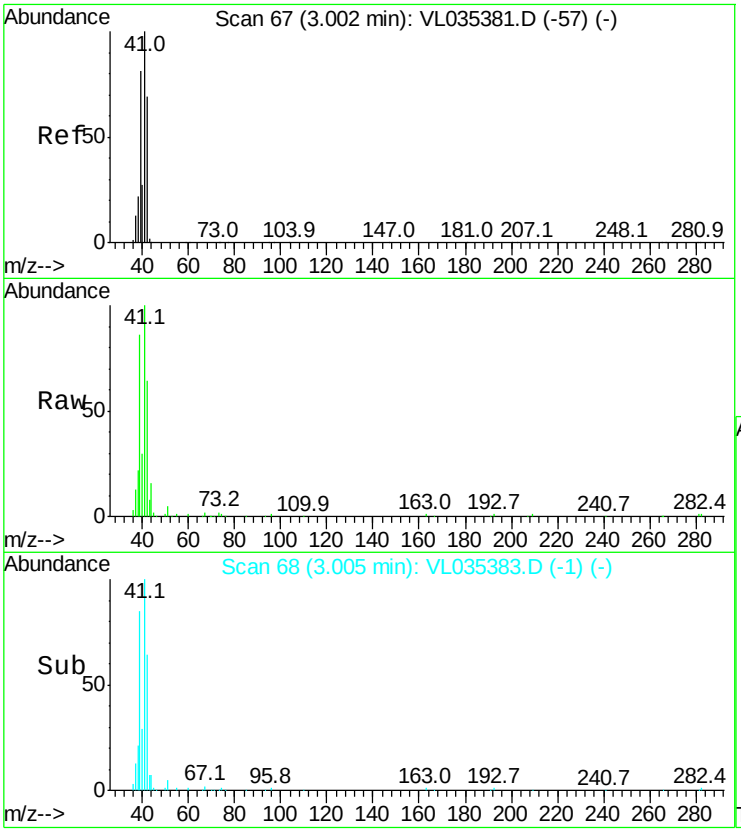


#8
Dichlorotetrafluoroethane
Concen: 0.991 ppbv
RT: 3.18 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 85 Resp: 218263

Ion	Ratio	Lower	Upper
85	100		
135	64.7	52.5	78.7



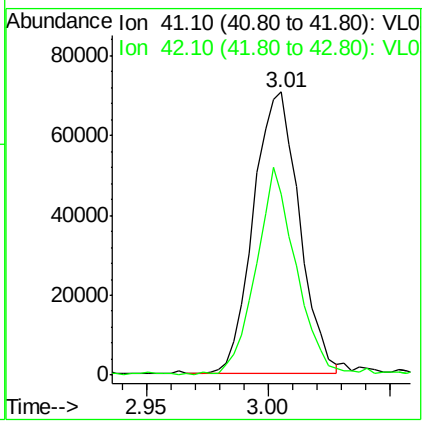


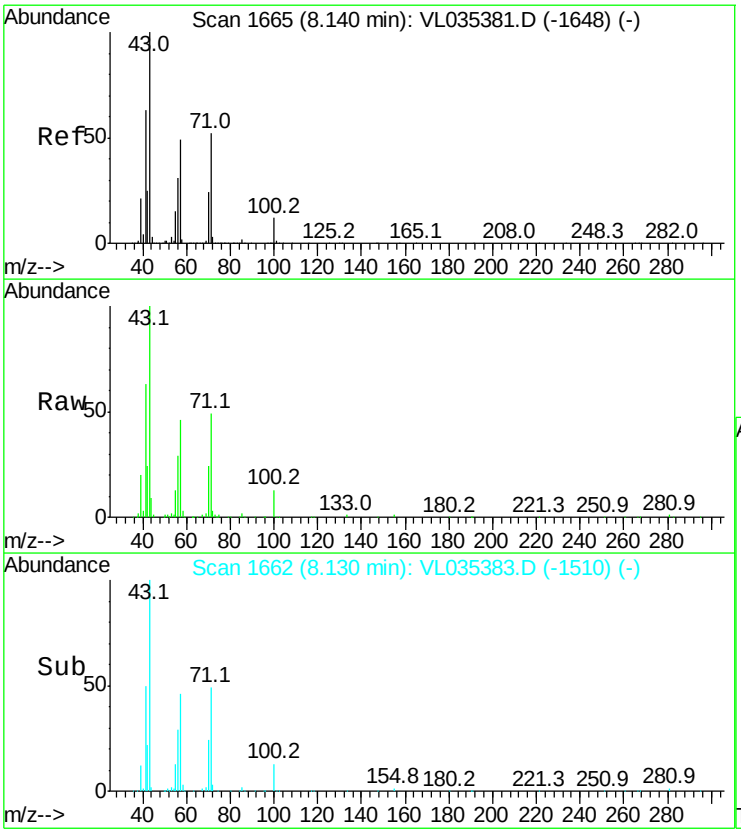
#9
Propene
Concen: 1.614 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 91932

Ion	Ratio	Lower	Upper
41	100		
42	64.1	55.4	83.2

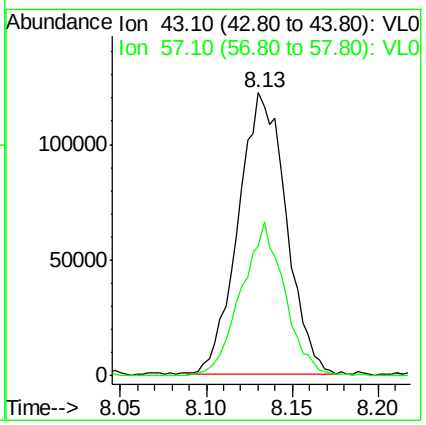


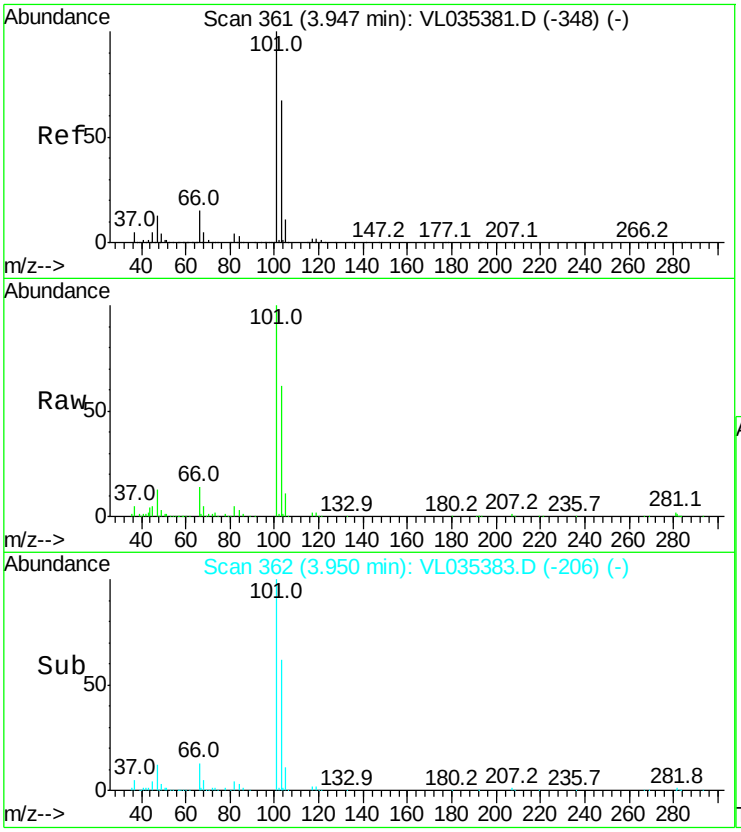


#10
Heptane
Concen: 1.616 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 43 Resp: 235074

Ion	Ratio	Lower	Upper
43	100		
57	50.0	39.4	59.2



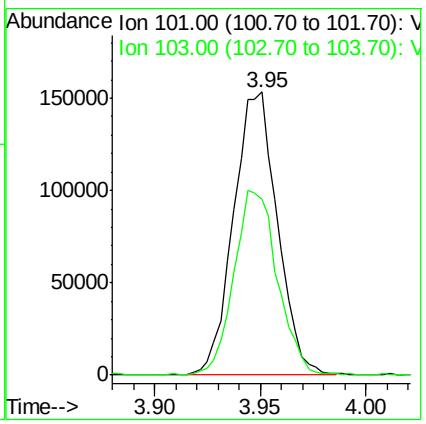


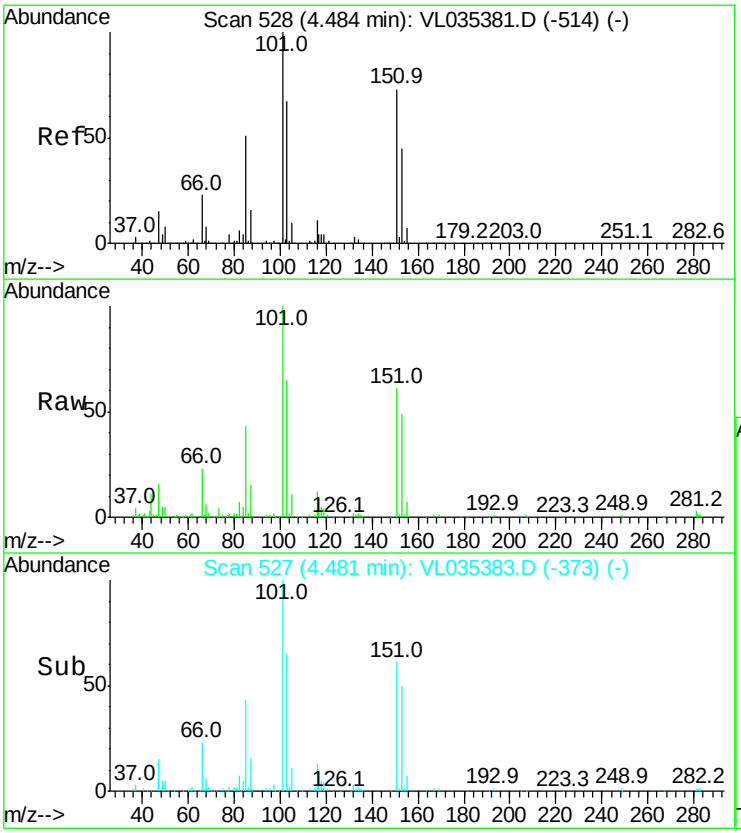
#11
Trichlorofluoromethane
Concen: 0.920 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 221904

Ion	Ratio	Lower	Upper
101	100		
103	62.2	53.3	79.9

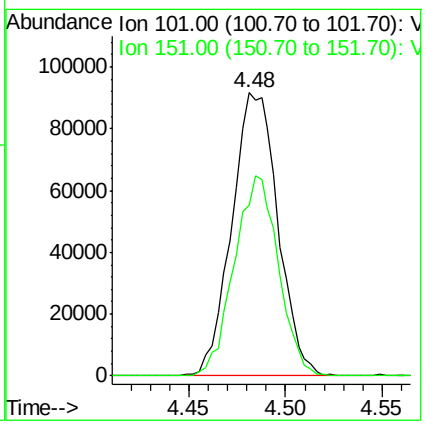


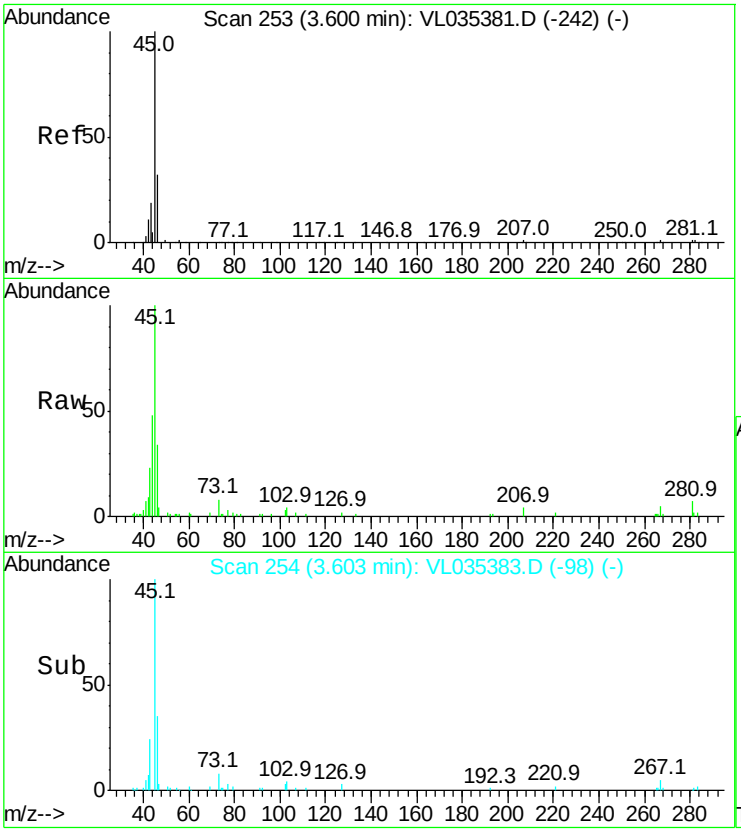


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.881 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:101 Resp: 152012

Ion	Ratio	Lower	Upper
101	100		
151	67.5	57.0	85.6



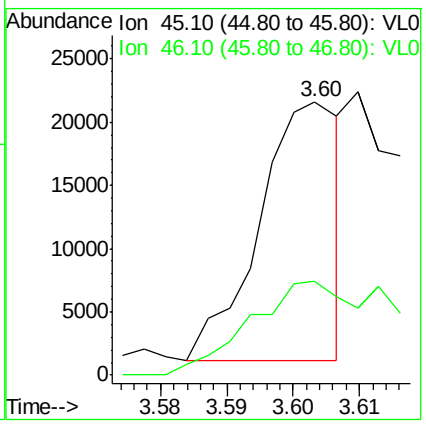


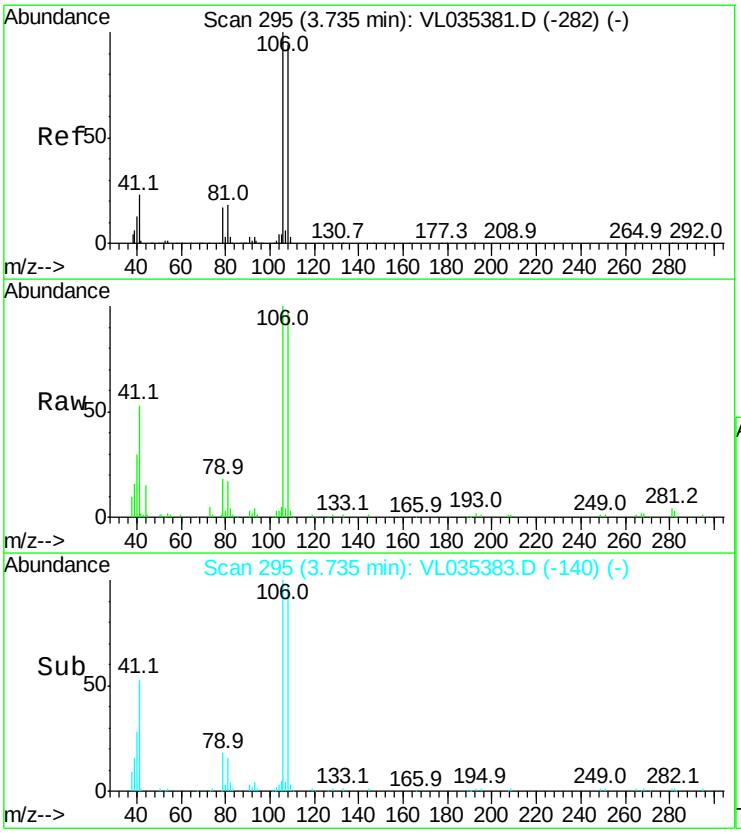
#13
Ethanol
Concen: 0.884 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 17367

Ion	Ratio	Lower	Upper
45	100		
46	86.8	14.1	56.3#

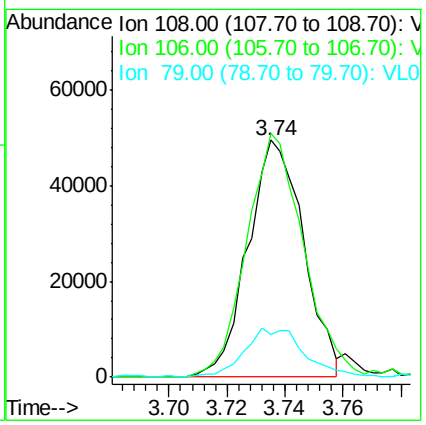


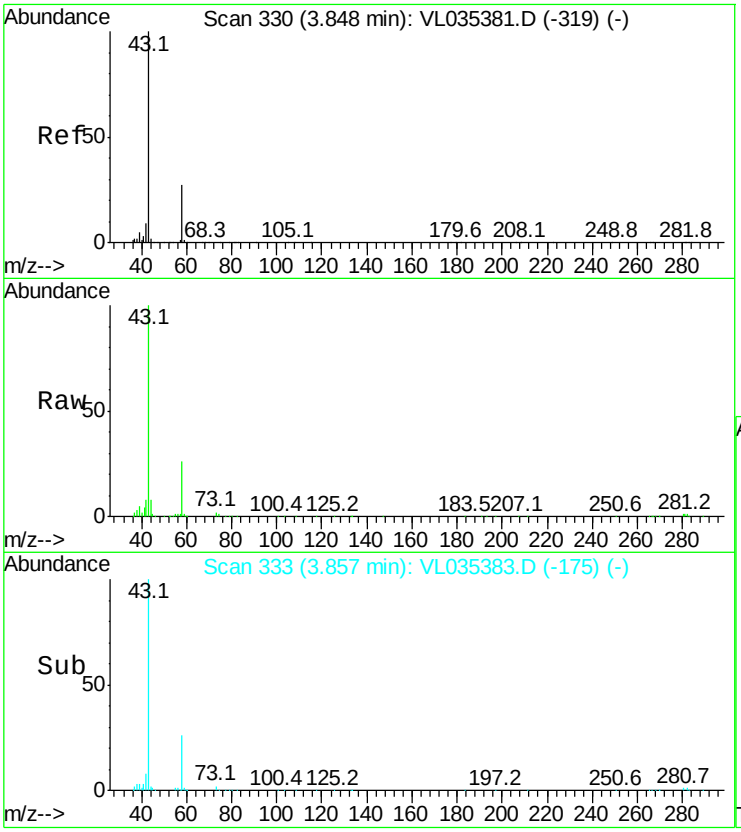


#14
Bromoethene
Concen: 0.954 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:108 Resp: 65978

Ion	Ratio	Lower	Upper
108	100		
106	108.0	84.9	127.3
79	23.3	15.8	23.8



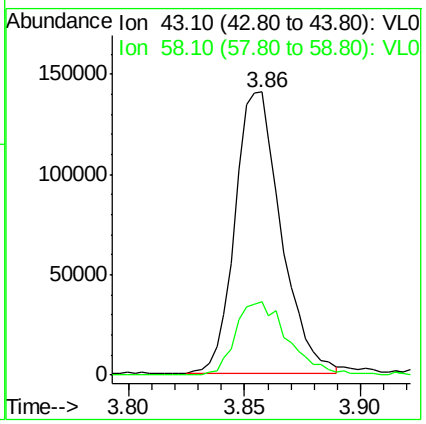


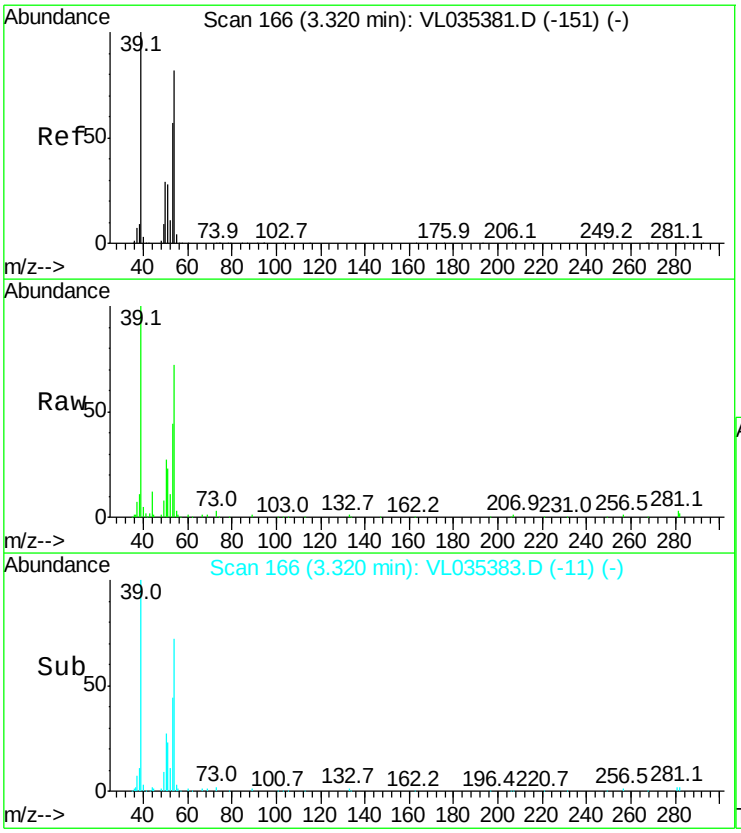
#15
Acetone
Concen: 0.978 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 194440

Ion	Ratio	Lower	Upper
43	100		
58	29.7	21.7	32.5

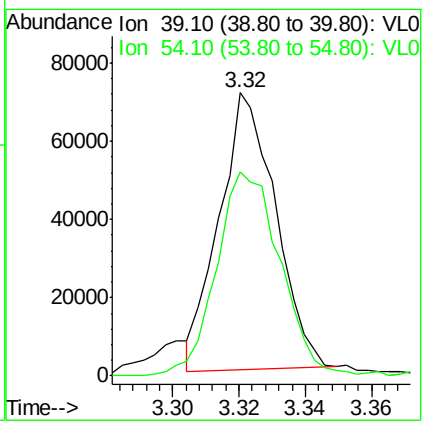


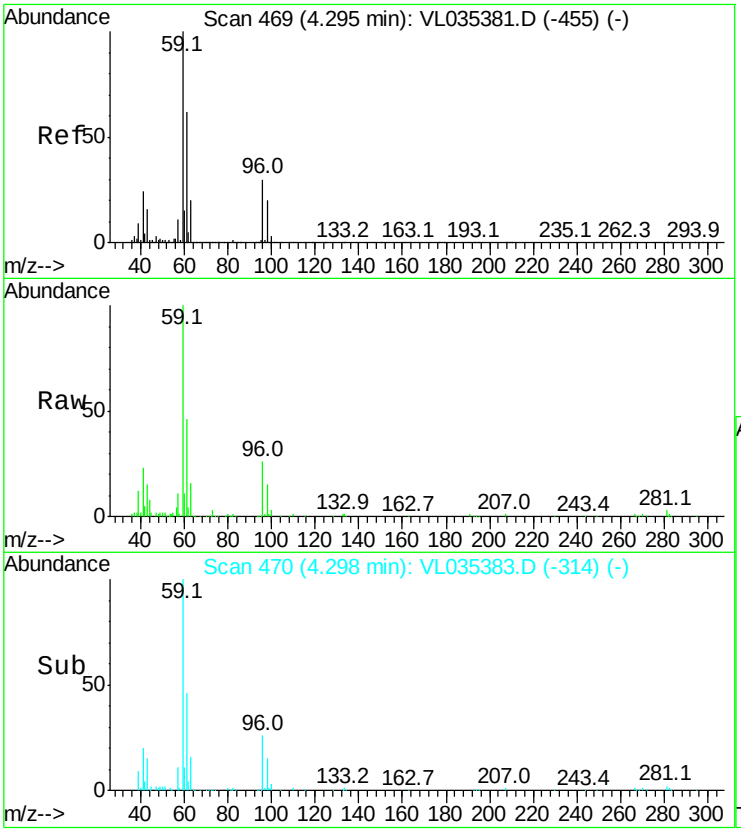


#16
1,3-Butadiene
Concen: 1.092 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 39 Resp: 83610

Ion	Ratio	Lower	Upper
39	100		
54	84.8	64.9	97.3



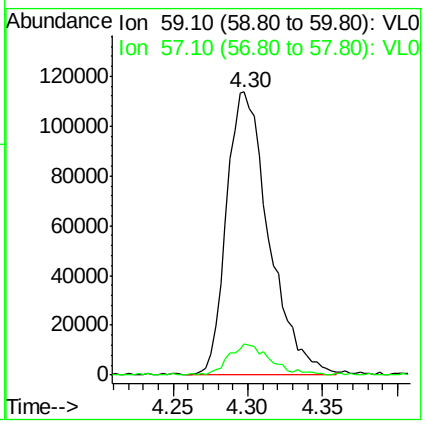


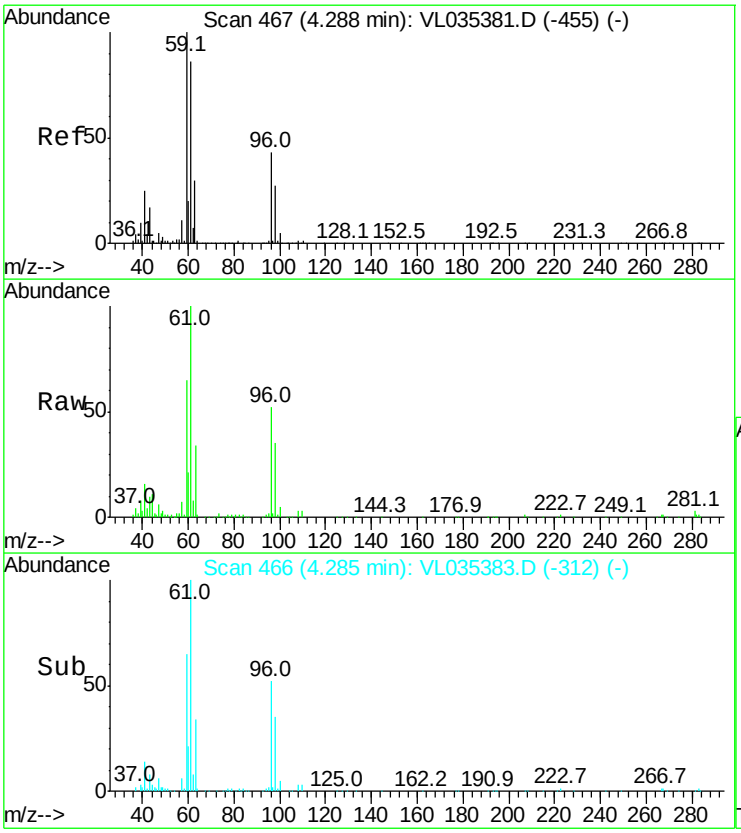
#17
tert-Butyl alcohol
Concen: 1.227 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 223906

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	13.0

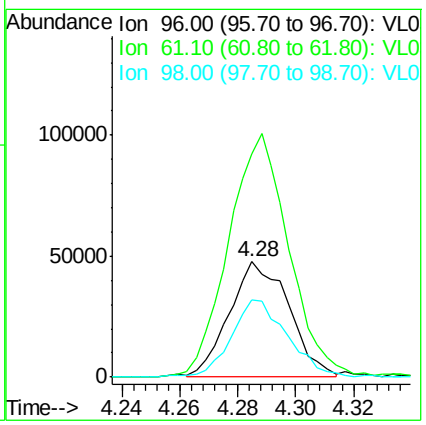


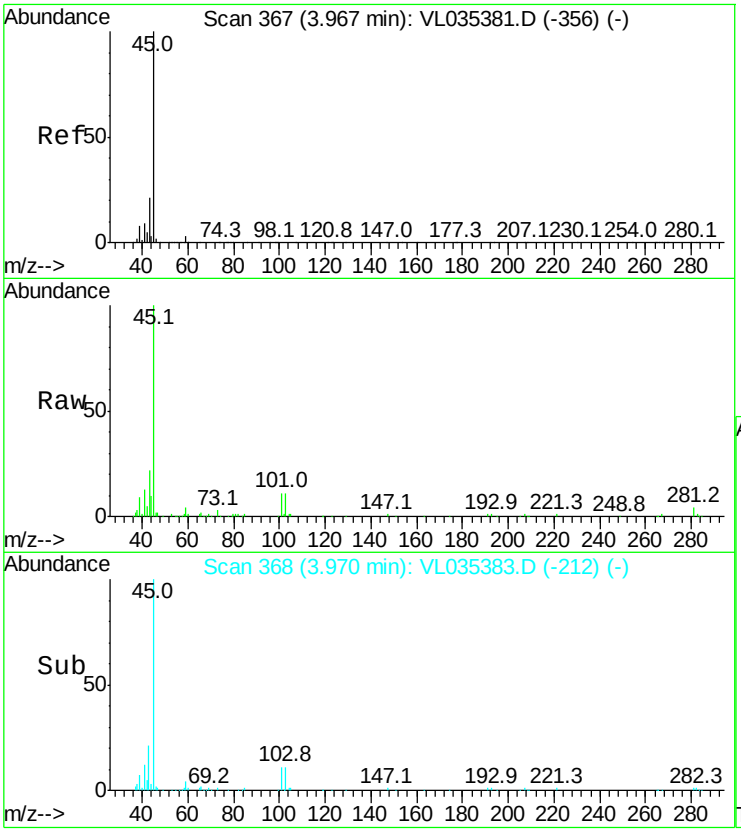


#18
1,1-Dichloroethene
Concen: 0.910 ppbv
RT: 4.28 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 96 Resp: 67402

Ion	Ratio	Lower	Upper
96	100		
61	191.7	159.0	238.4
98	66.6	50.3	75.5



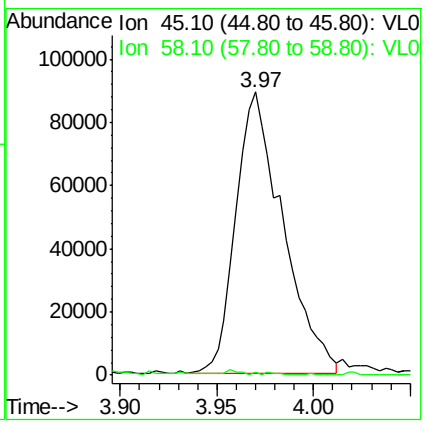


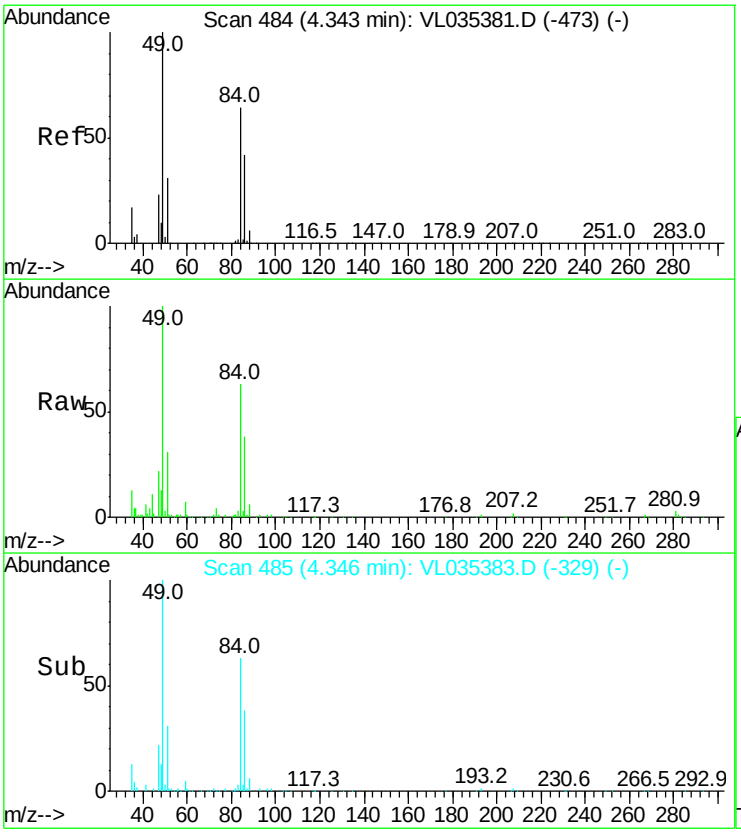
#19
Isopropyl Alcohol
Concen: 1.196 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 150716

Ion	Ratio	Lower	Upper
45	100		
58	1.2	24.9	37.3#

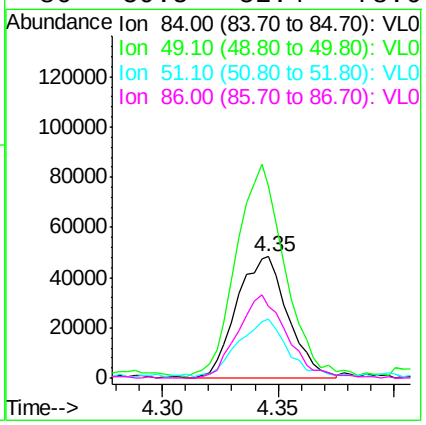


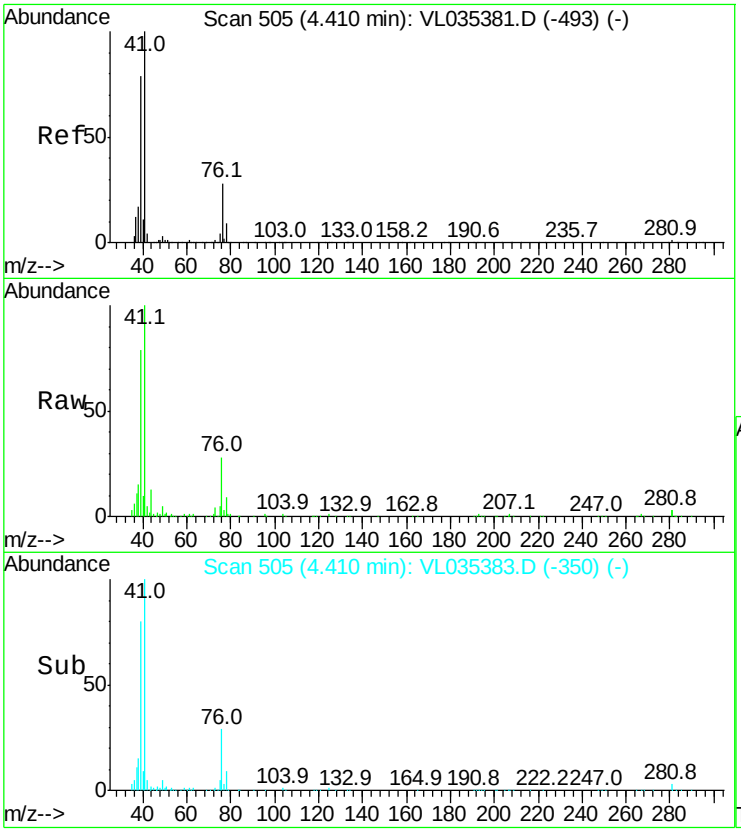


#20
Methylene Chloride
Concen: 0.915 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 84 Resp: 74205

Ion	Ratio	Lower	Upper
84	100		
49	157.8	125.7	188.5
51	46.6	38.5	57.7
86	59.5	52.4	78.6



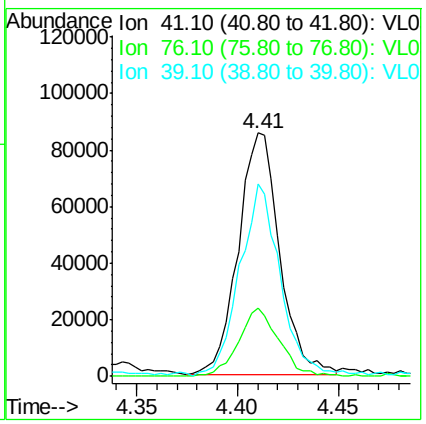


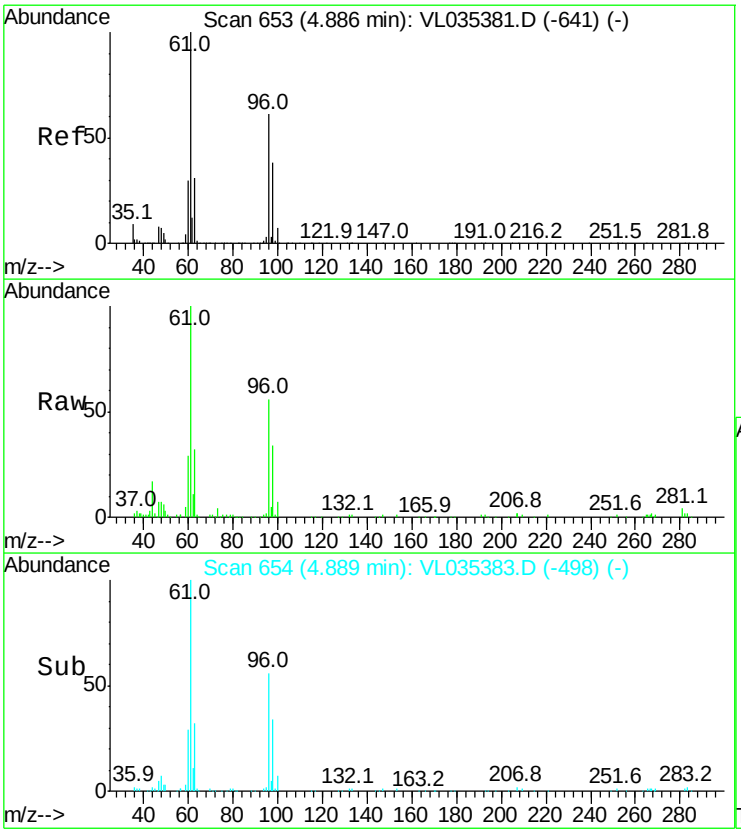
#21
Allyl Chloride
Concen: 1.081 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 123182

Ion	Ratio	Lower	Upper
41	100		
76	27.7	22.4	33.6
39	77.0	63.0	94.4

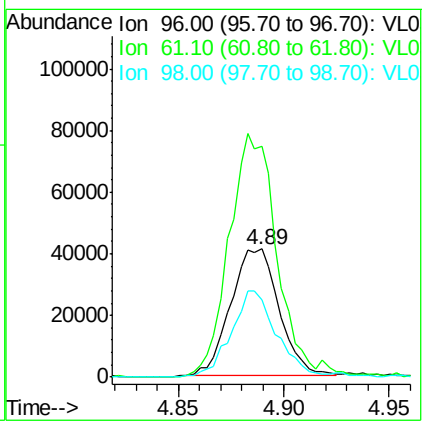


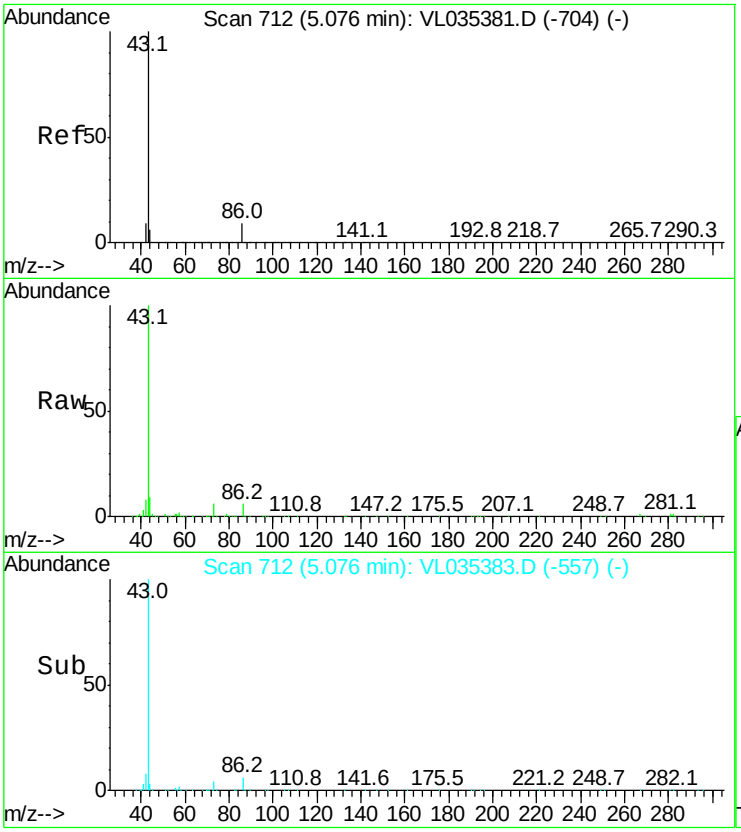


#22
trans-1,2-Dichloroethene
Concen: 0.913 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 96 Resp: 65584

Ion	Ratio	Lower	Upper
96	100		
61	180.8	131.8	197.6
98	59.9	49.6	74.4



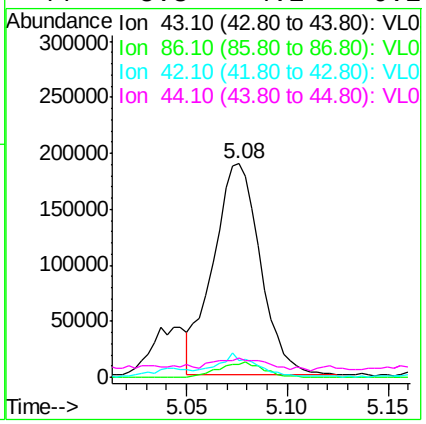


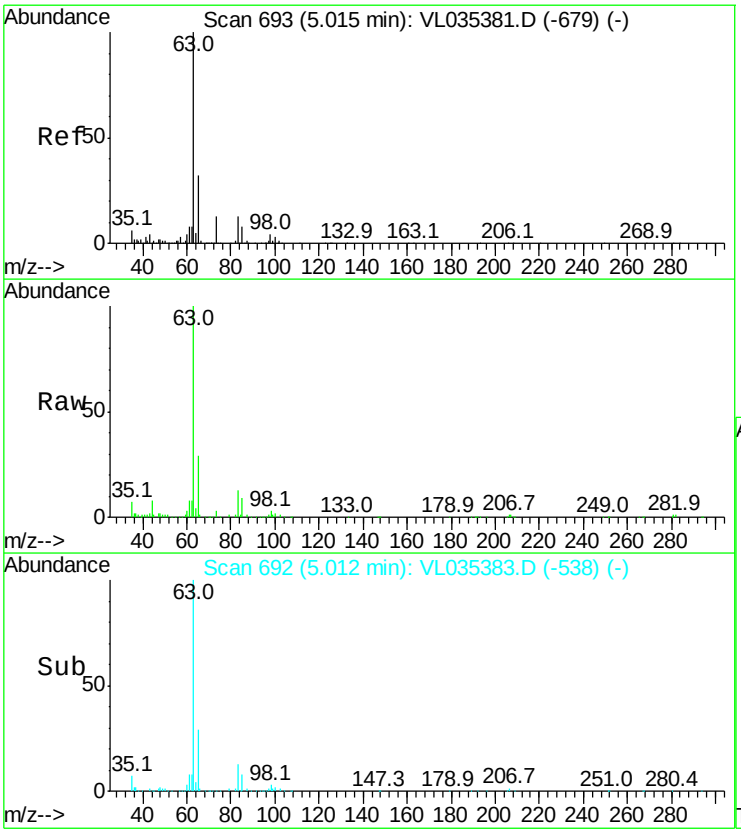
#23
Vinyl Acetate
Concen: 1.607 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 306449

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.8	8.8
42	7.6	8.0	12.0#
44	5.3	4.2	6.2

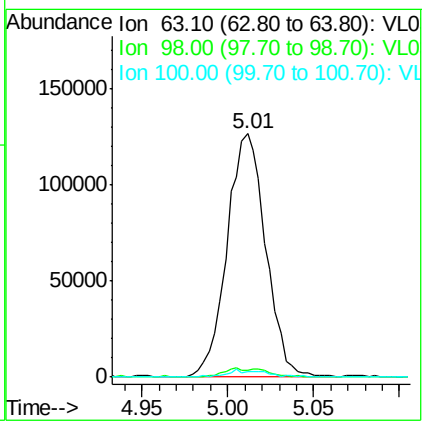


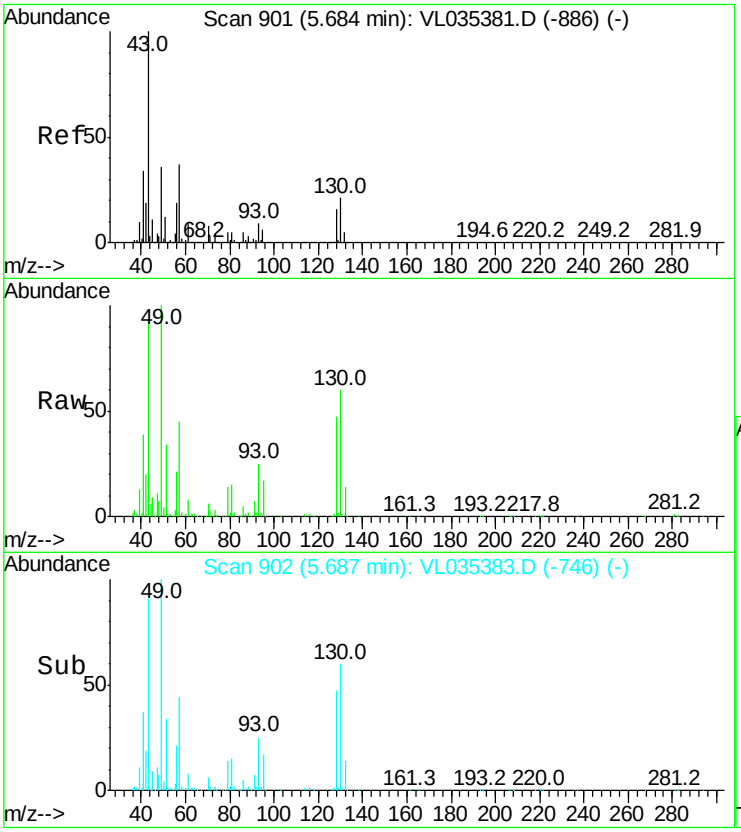


#24
1,1-Dichloroethane
Concen: 1.104 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 63 Resp: 197807

Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.2	6.6
100	2.4	1.4	4.0



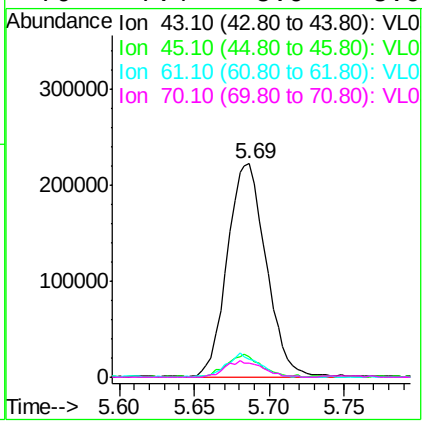


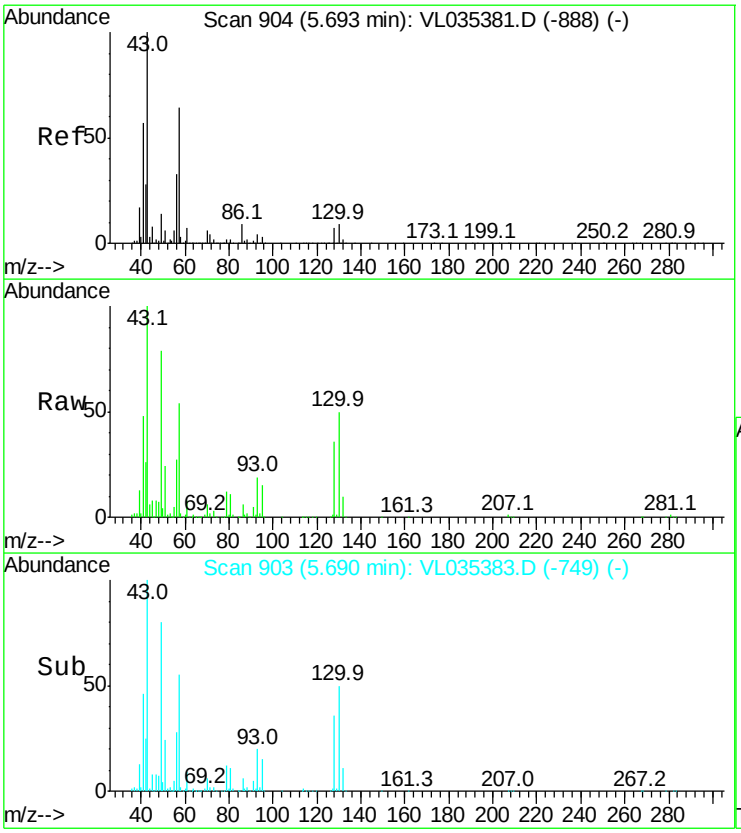
#25
Ethyl Acetate
Concen: 1.318 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 398134

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.8	7.4	11.2
70	7.4	5.9	8.9

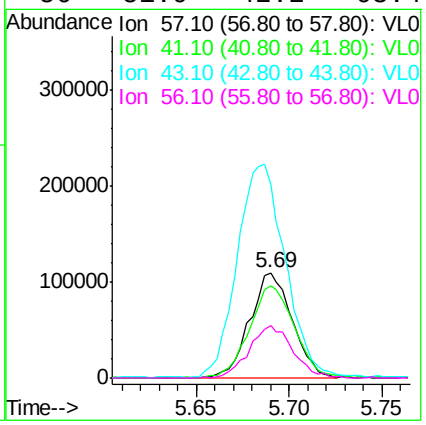


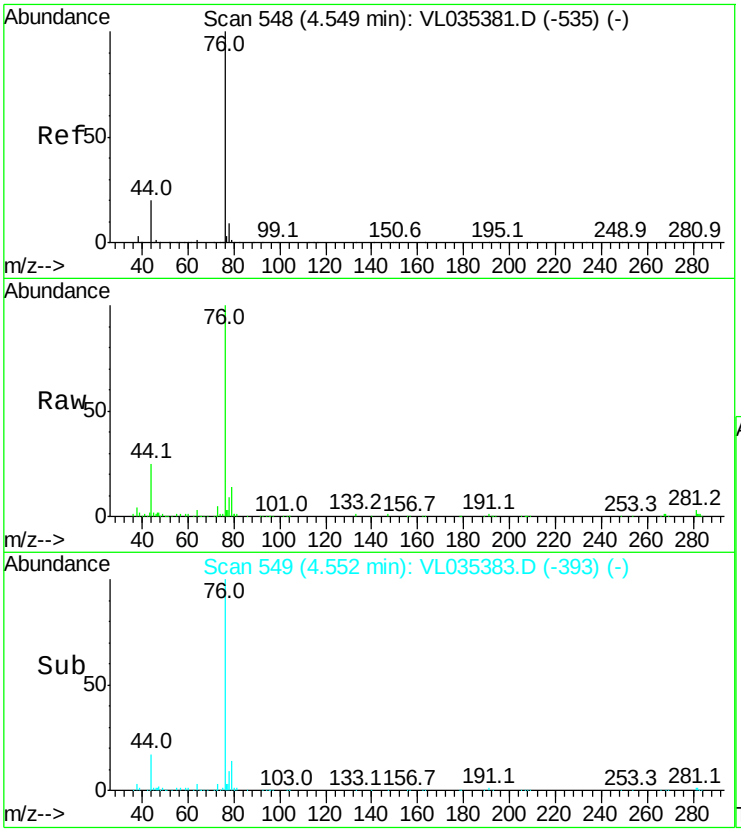


#26
Hexane
Concen: 1.327 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 57 Resp: 173910

Ion	Ratio	Lower	Upper
57	100		
41	94.7	75.4	113.2
43	232.1	184.1	276.1
56	51.9	42.2	63.4



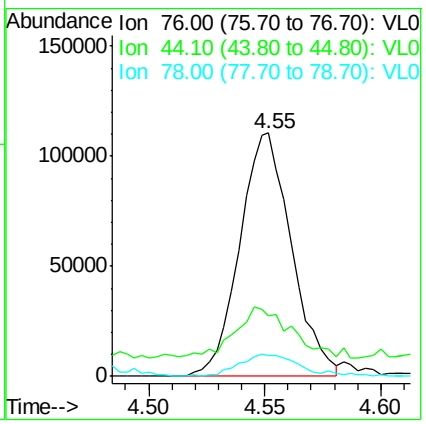


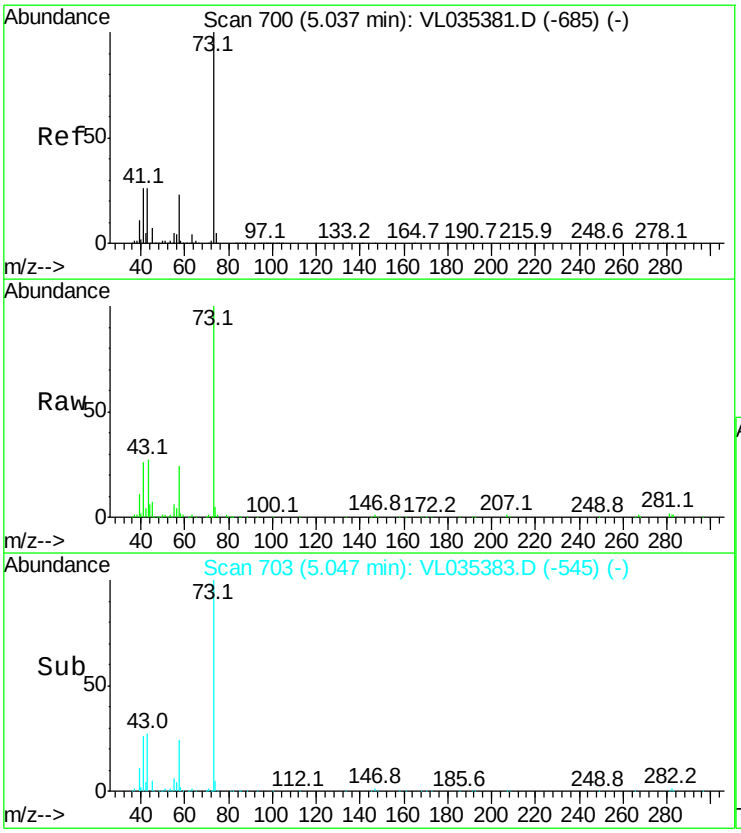
#27
Carbon Disulfide
Concen: 0.931 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 170560

Ion	Ratio	Lower	Upper
76	100		
44	23.1	17.0	25.4
78	10.9	7.5	11.3

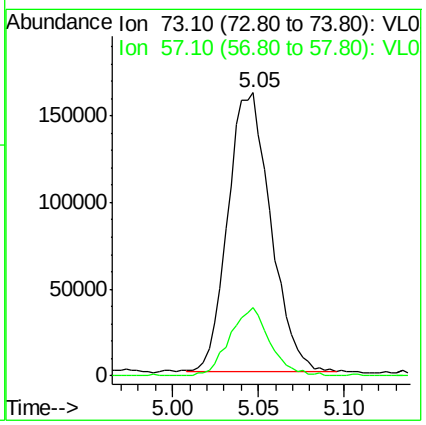


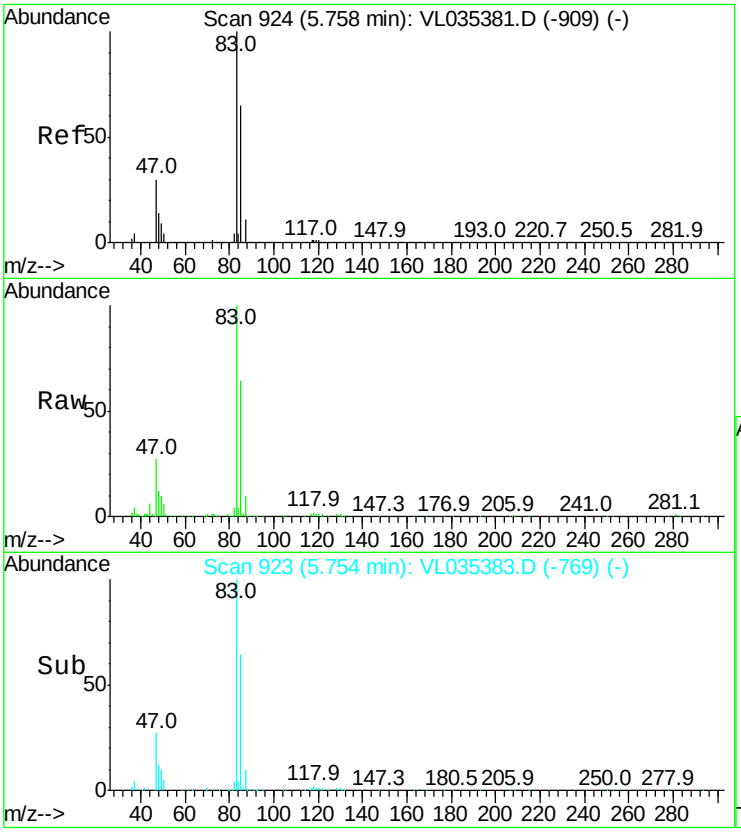


#28
Methyl tert-Butyl Ether
Concen: 1.473 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 73 Resp: 280802

Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.0	28.4



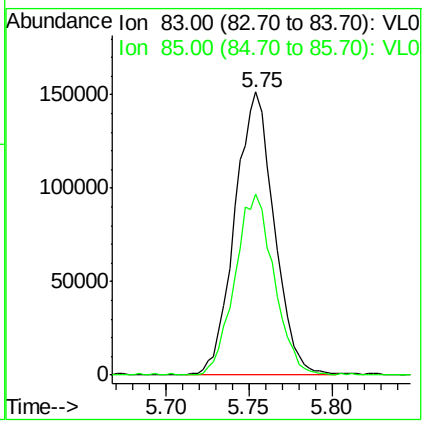


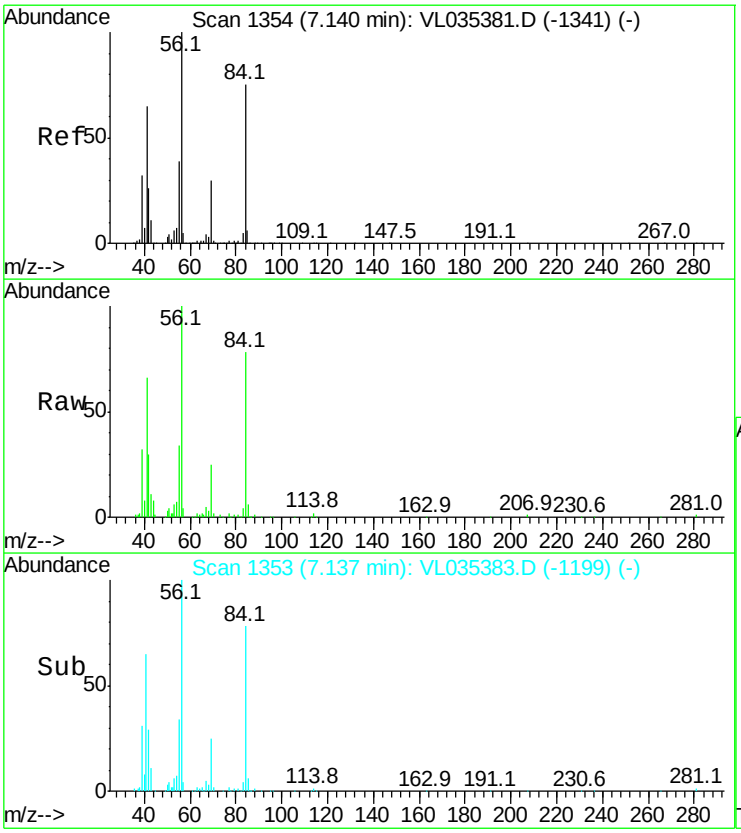
#29
Chloroform
Concen: 1.103 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 249212

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5

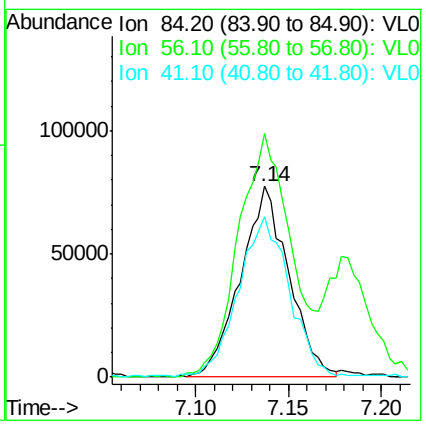


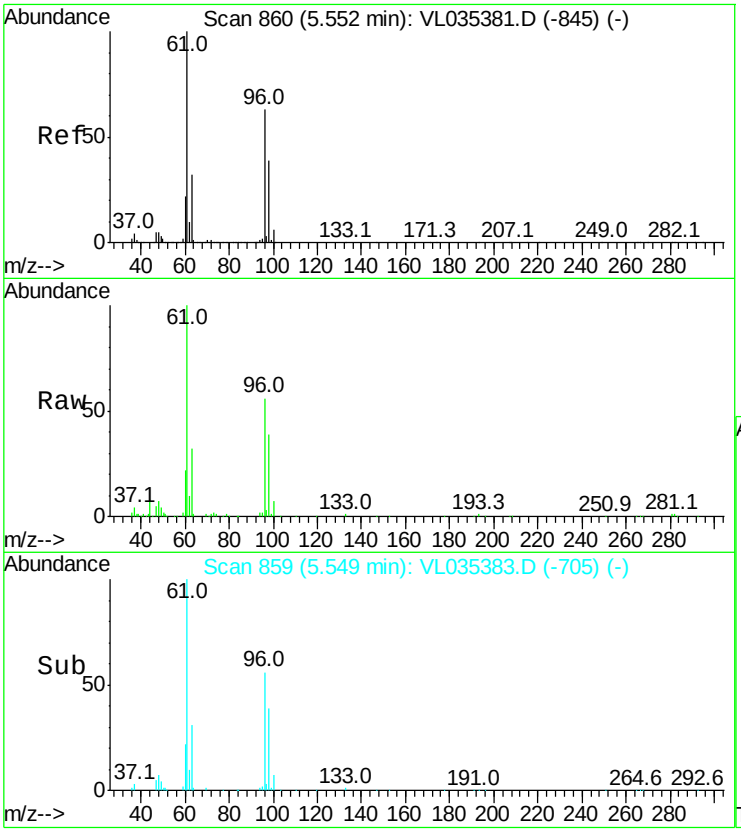


#30
Cyclohexane
Concen: 1.391 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 84 Resp: 138197

Ion	Ratio	Lower	Upper
84	100		
56	138.0	115.8	173.6
41	89.5	71.4	107.0



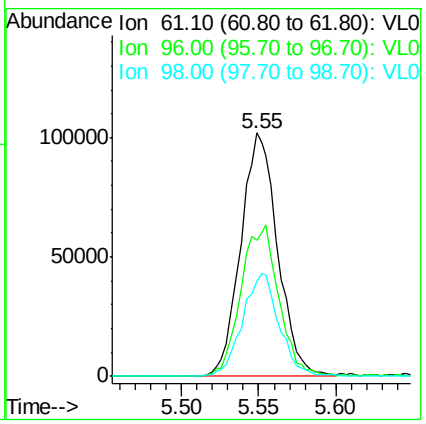


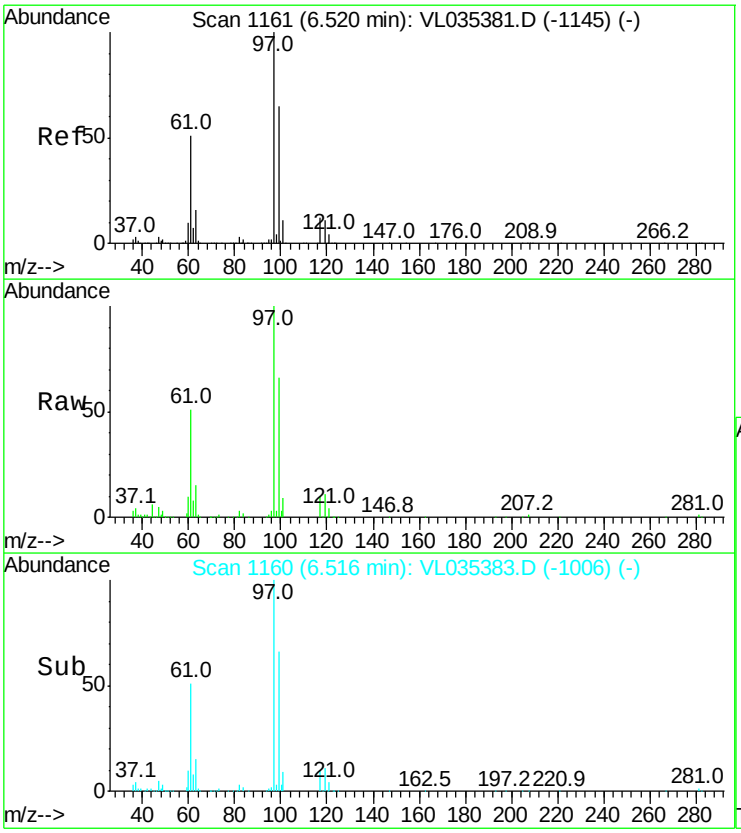
#31
cis-1,2-Dichloroethene
Concen: 1.454 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 169444

Ion	Ratio	Lower	Upper
61	100		
96	56.0	50.5	75.7
98	39.2	31.5	47.3

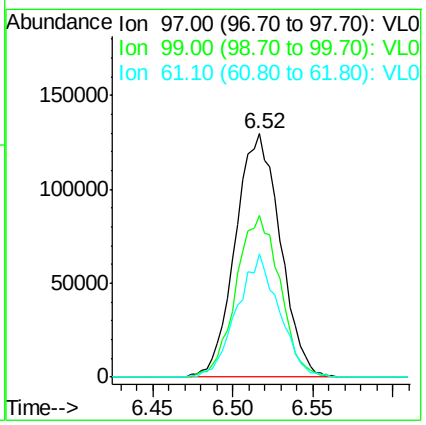


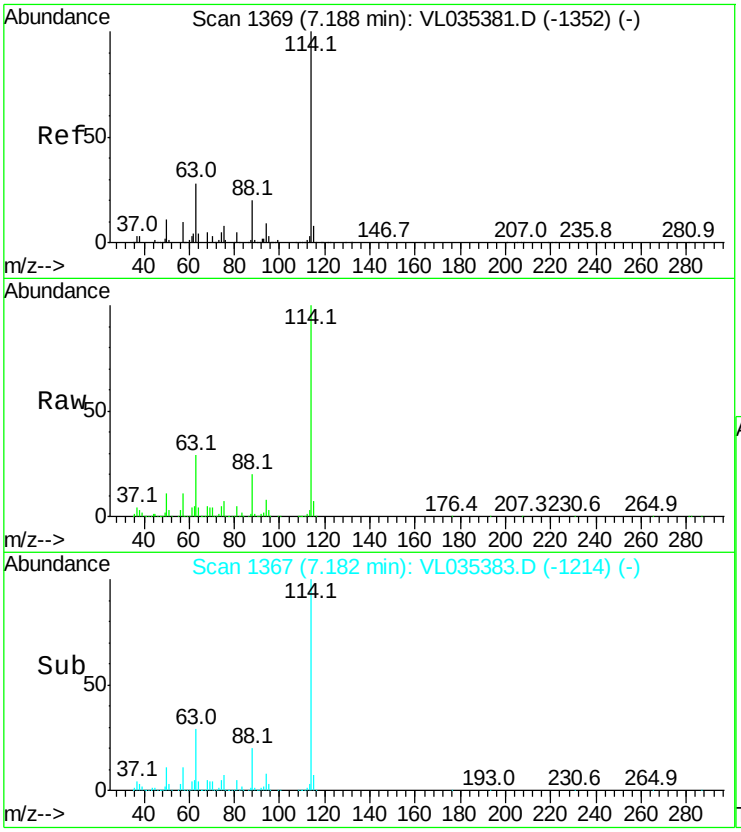


#32
1,1,1-Trichloroethane
Concen: 1.046 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 97 Resp: 248292

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	47.5	39.6	59.4



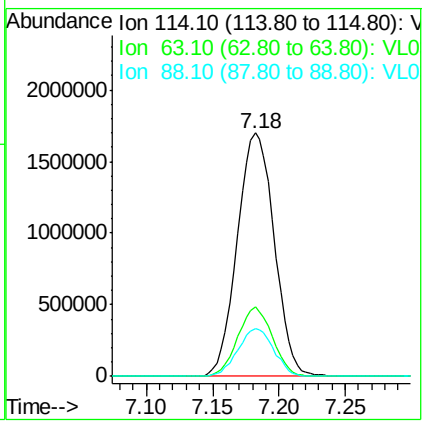


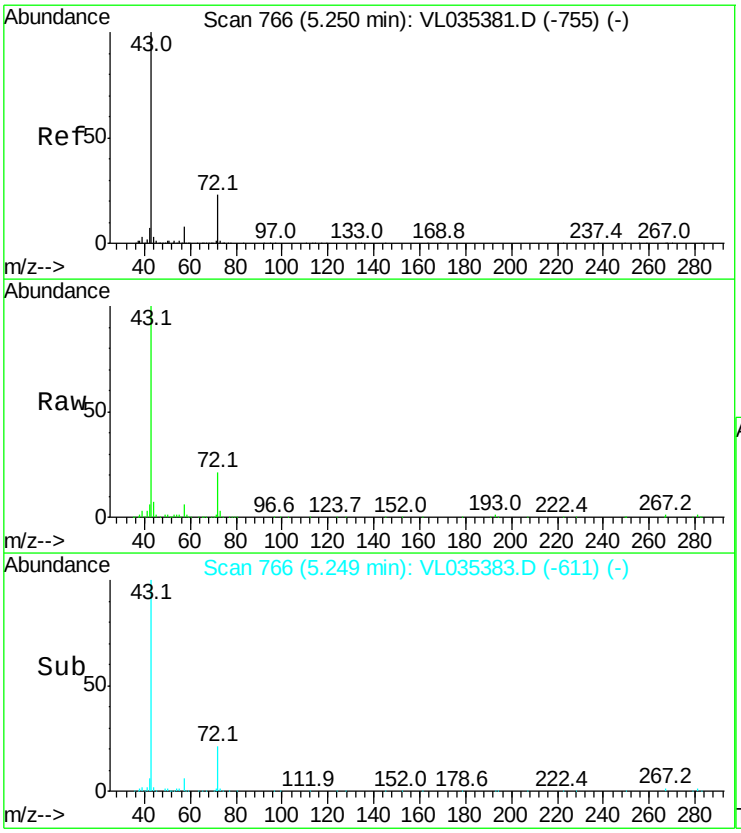
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 3299148

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	19.1	15.6	23.4

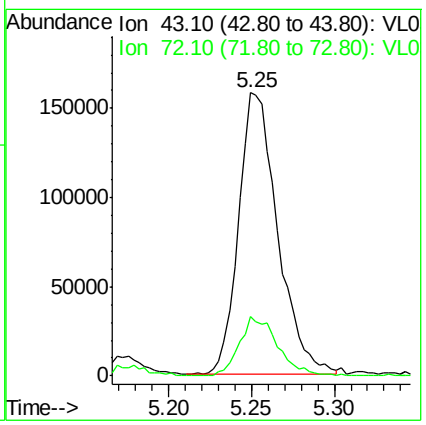


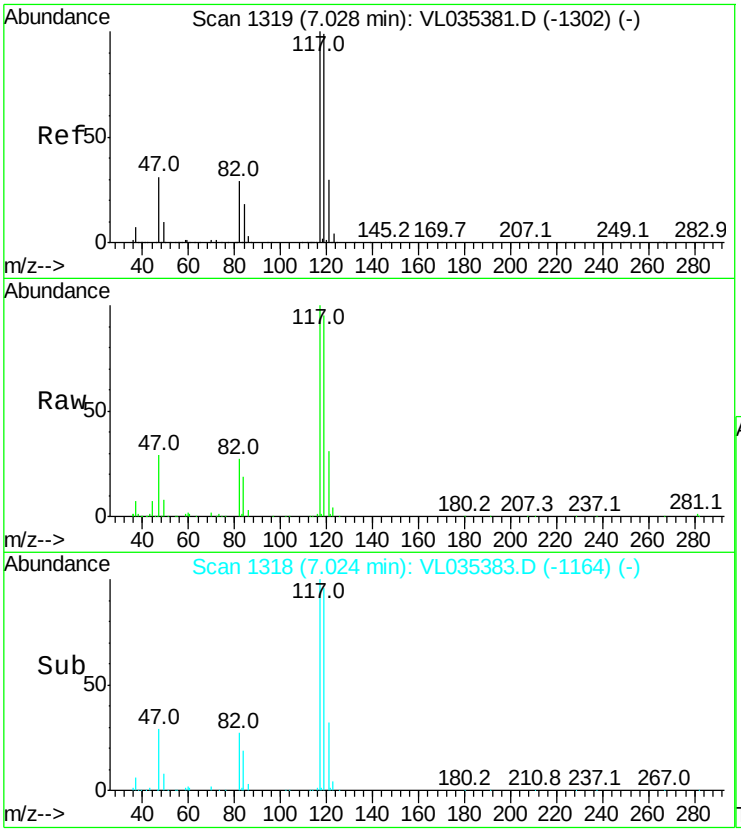


#34
2-Butanone
Concen: 1.599 ppbv
RT: 5.25 min Scan# 766
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 43 Resp: 259692

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.7	26.5



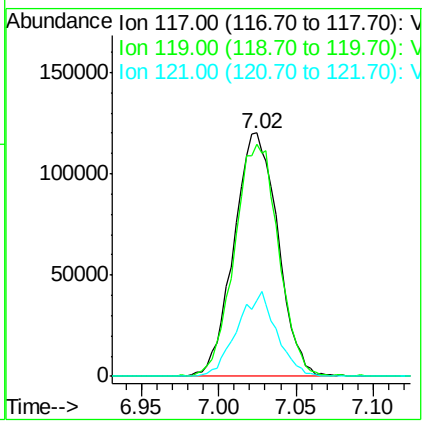


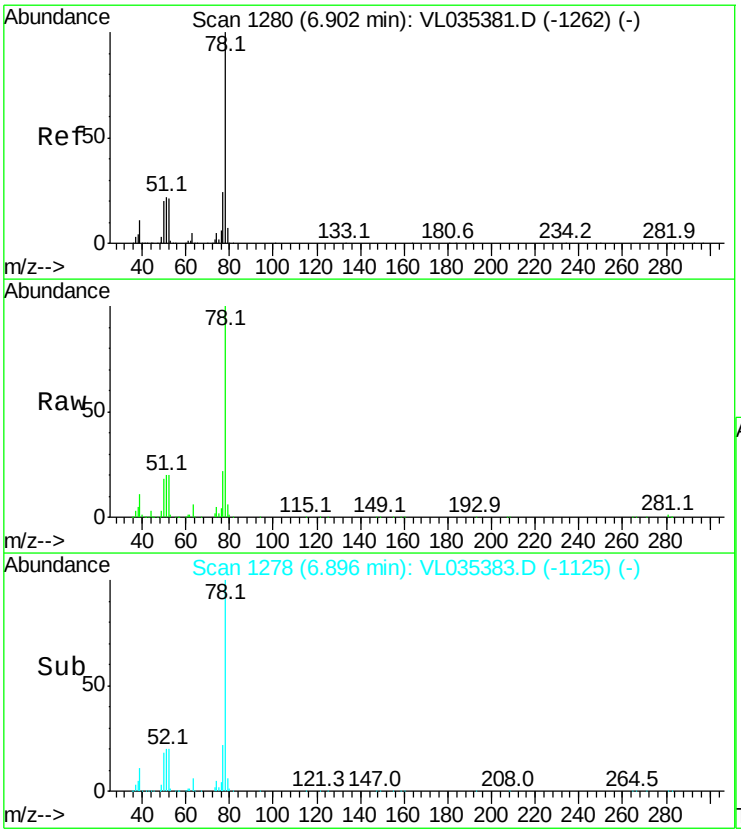
#35
Carbon Tetrachloride
Concen: 1.046 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 237420

Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.4	119.0
121	31.2	24.3	36.5

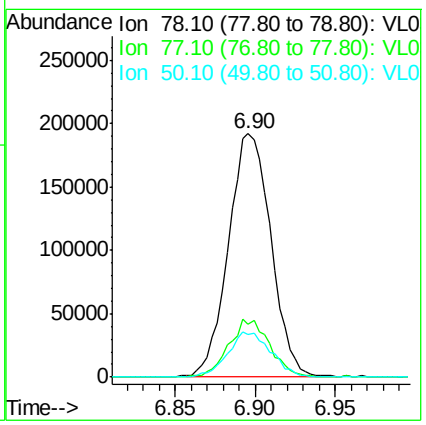


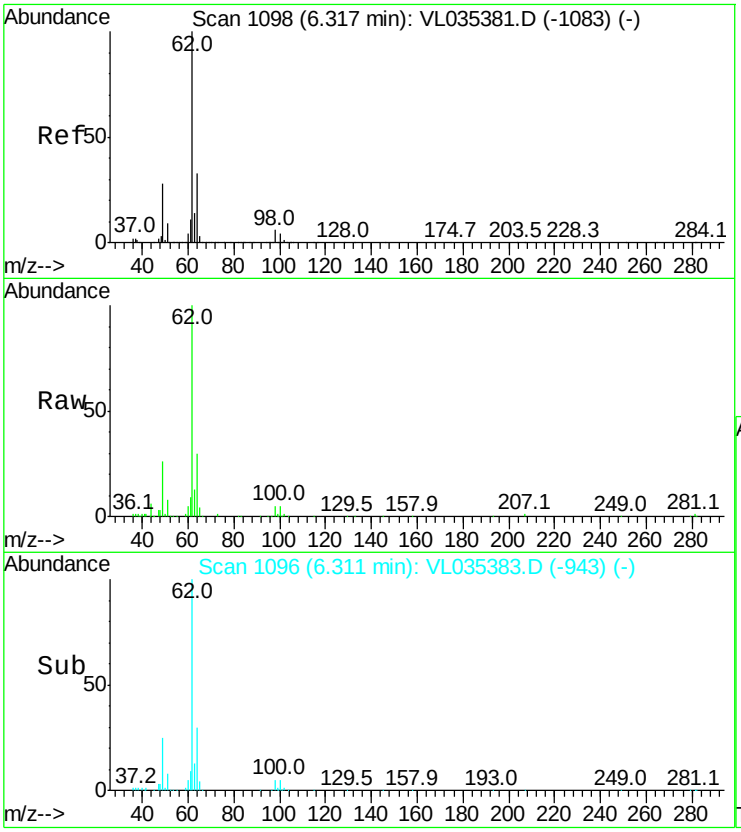


#36
Benzene
Concen: 1.547 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 78 Resp: 344541

Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.1	28.7
50	17.7	15.8	23.6



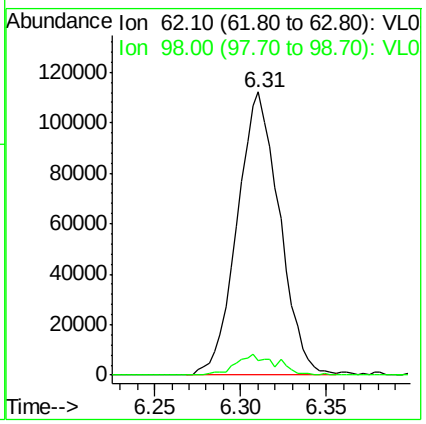


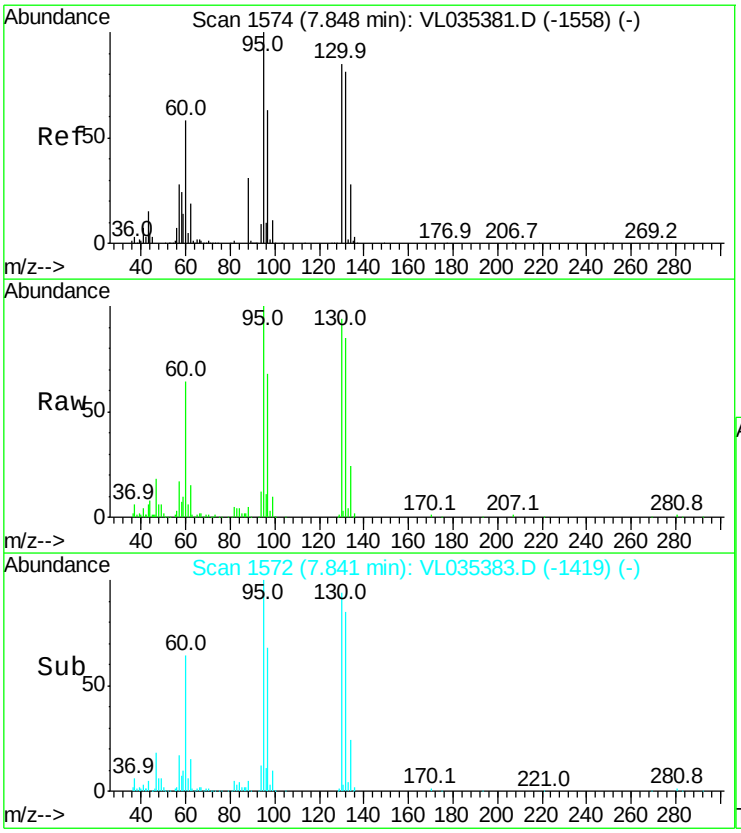
#37
1,2-Dichloroethane
Concen: 1.233 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 191832

Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.1	7.7

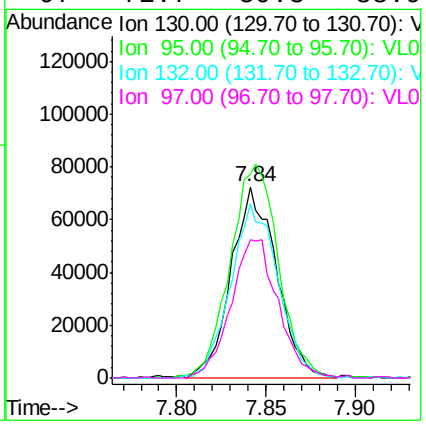


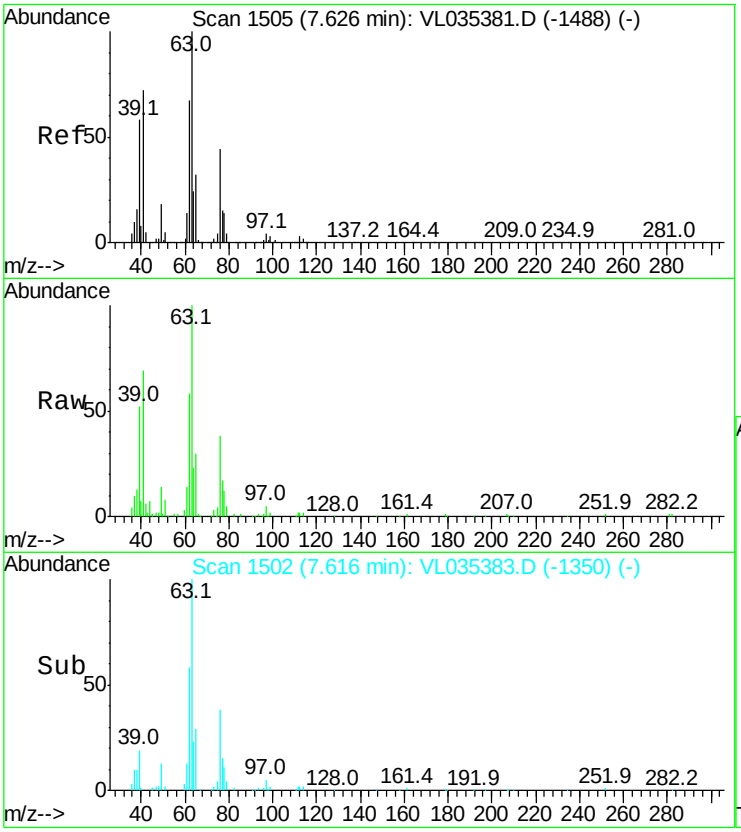


#38
Trichloroethene
Concen: 1.246 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:130 Resp: 128066

Ion	Ratio	Lower	Upper
130	100		
95	106.2	94.2	141.4
132	90.3	76.6	114.8
97	72.7	59.3	88.9



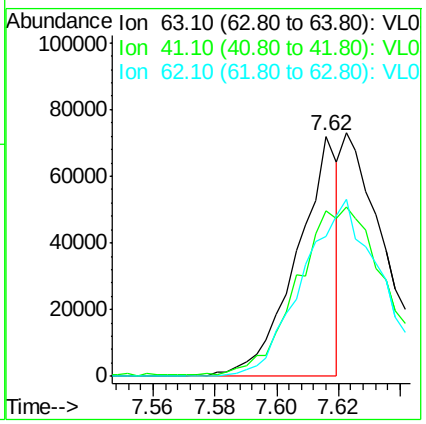


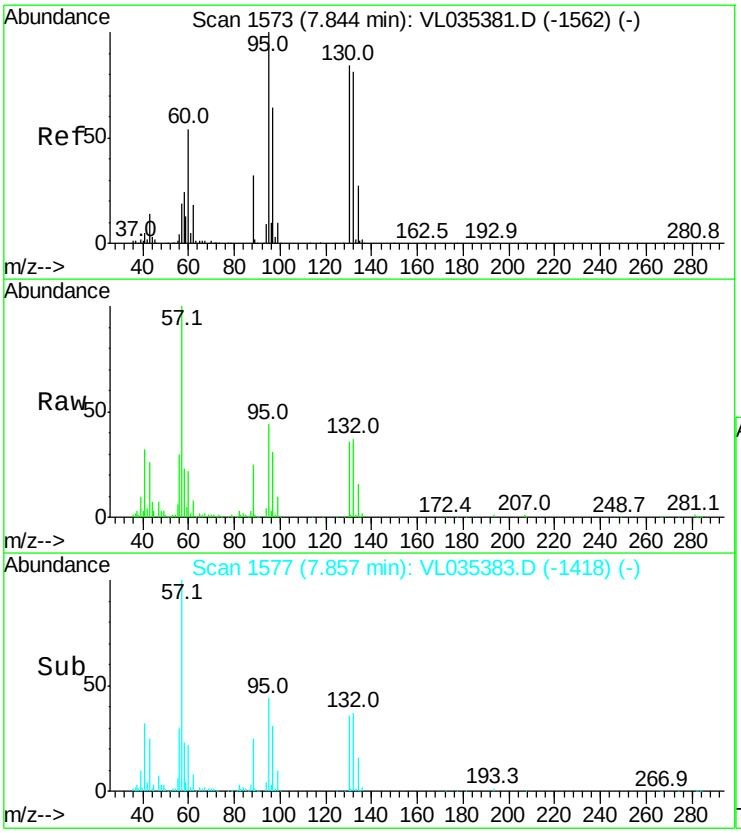
#39
1,2-Dichloropropane
Concen: 0.735 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 66274

Ion	Ratio	Lower	Upper
63	100		
41	68.3	57.4	86.2
62	58.1	53.6	80.4

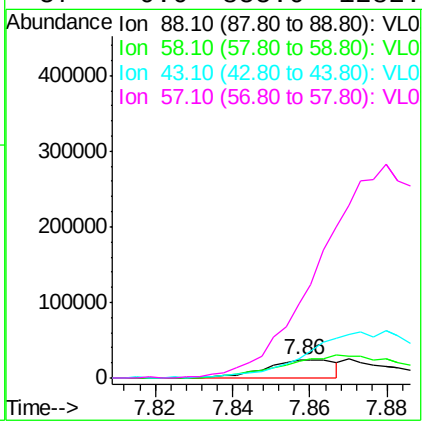


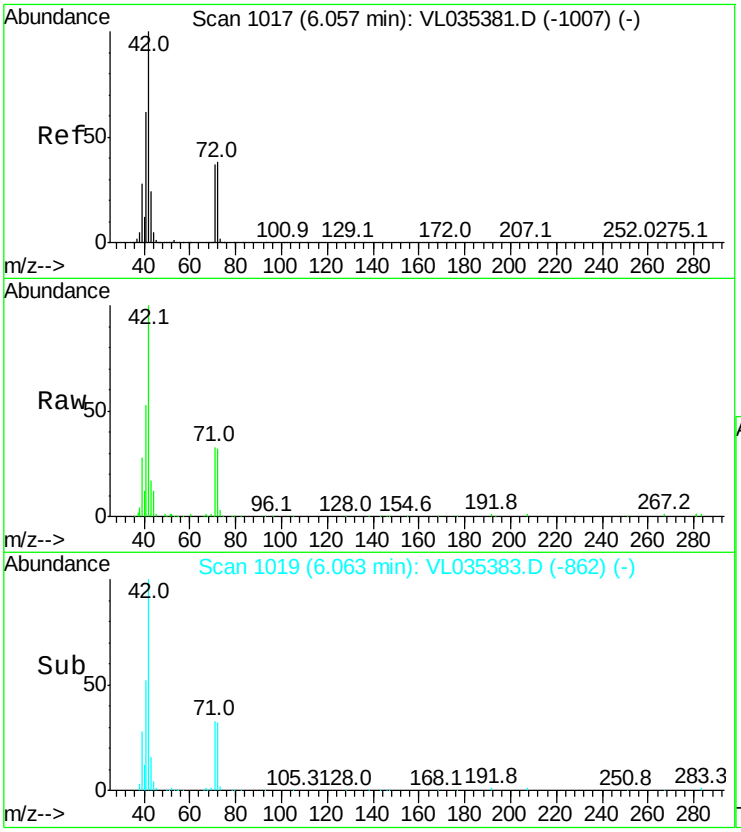


#40
1,4-Dioxane
Concen: 0.789 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 88 Resp: 30454

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



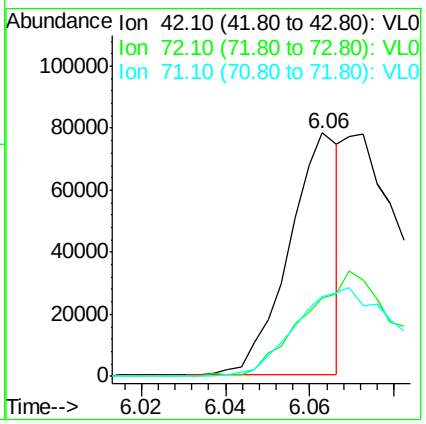


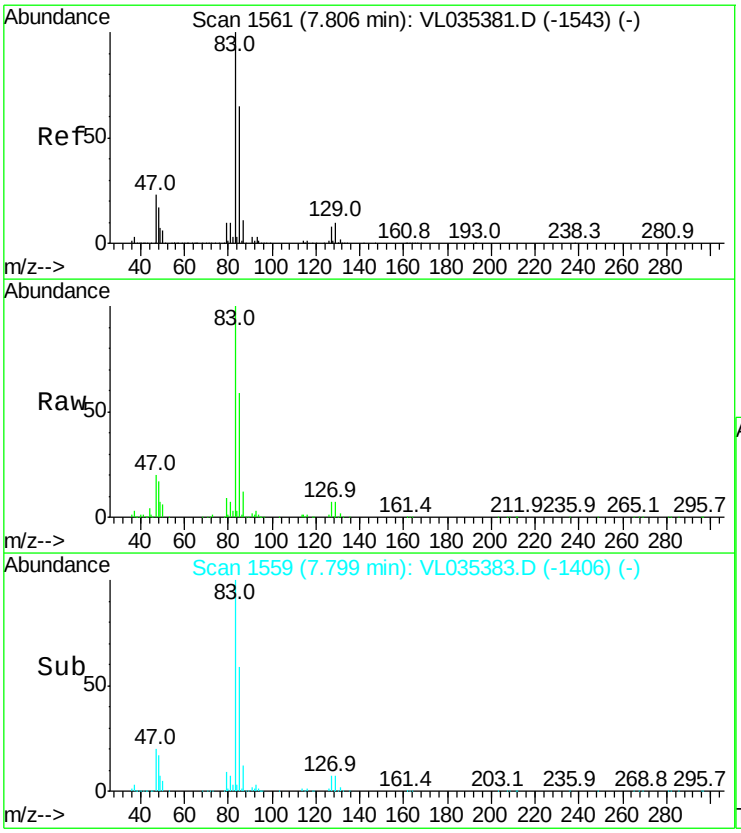
#41
Tetrahydrofuran
Concen: 0.809 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 64470

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	0.0	28.6	42.8#

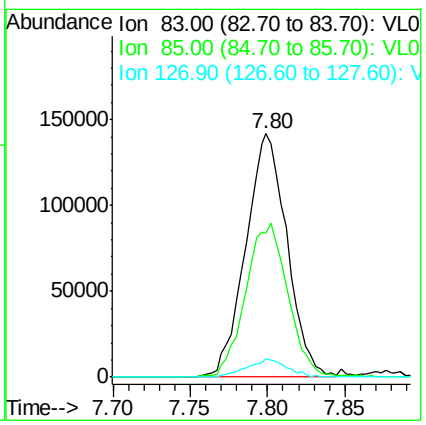


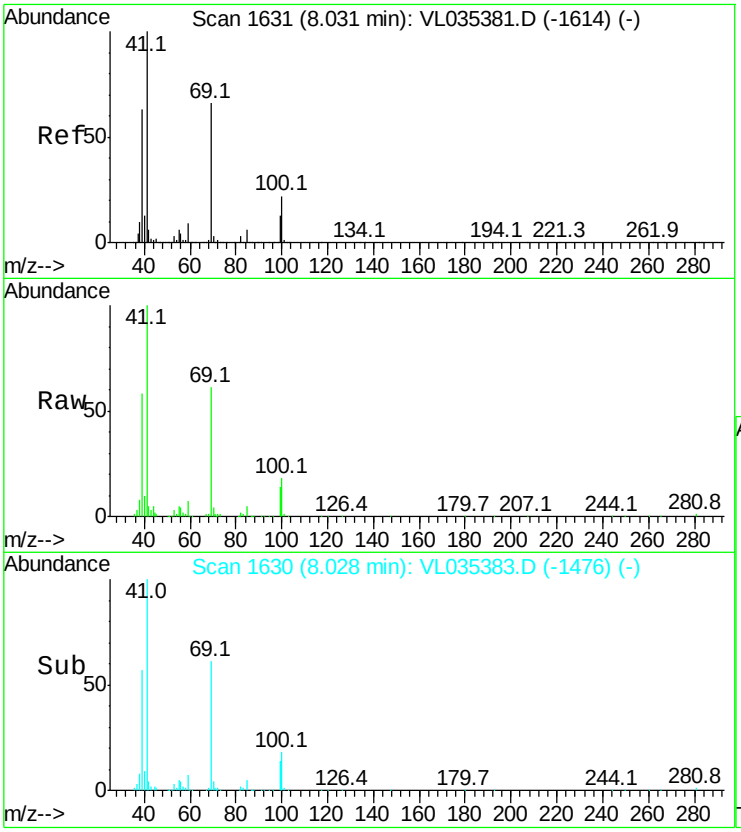


#42
Bromodichloromethane
Concen: 1.261 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 83 Resp: 263483

Ion	Ratio	Lower	Upper
83	100		
85	58.7	52.2	78.4
127	7.4	6.3	9.5



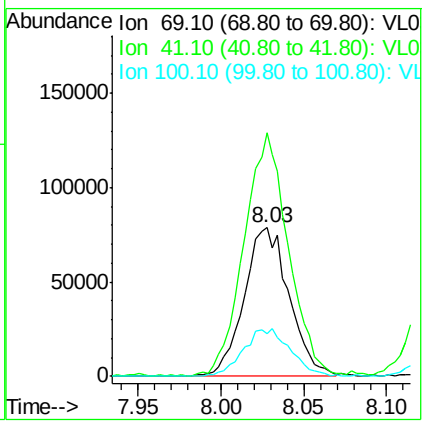


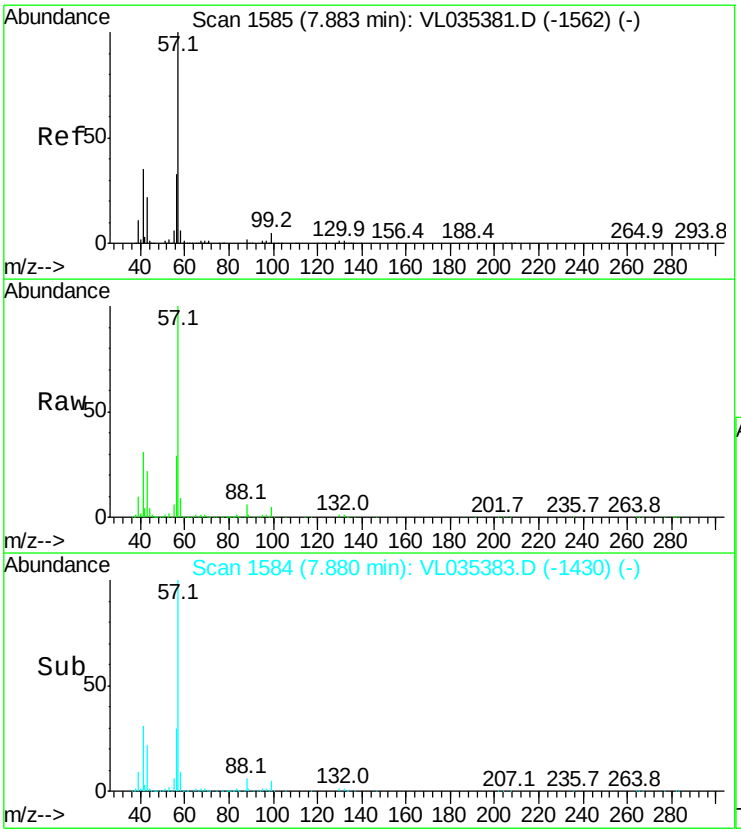
#43
Methyl Methacrylate
Concen: 1.588 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 148838

Ion	Ratio	Lower	Upper
69	100		
41	162.3	123.4	185.2
100	33.4	26.7	40.1

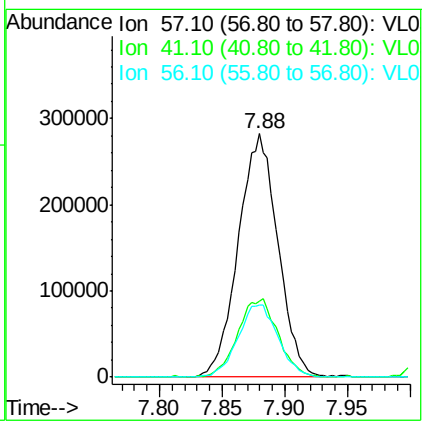


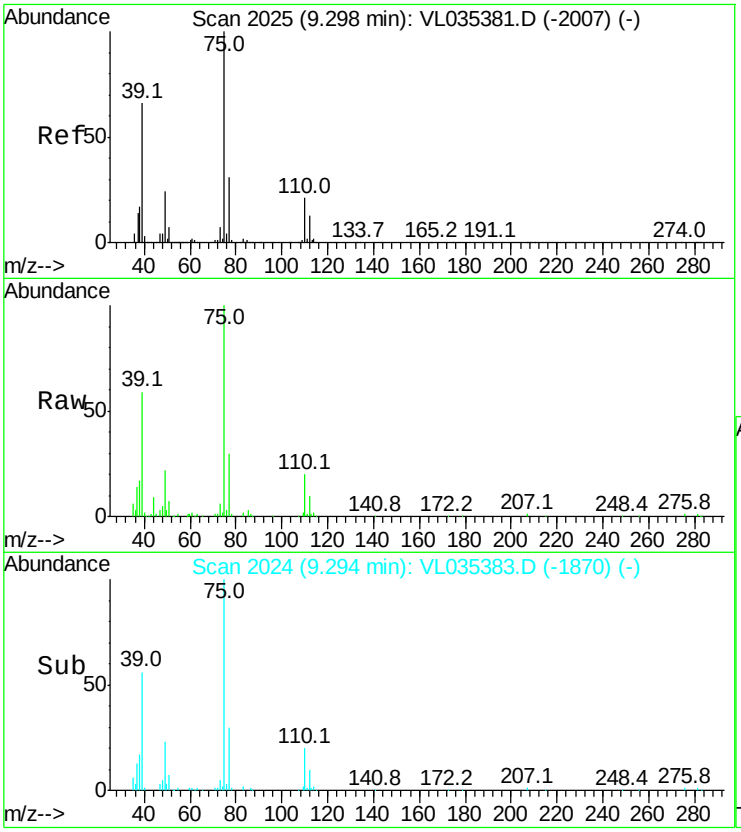


#44
2,2,4-Trimethylpentane
Concen: 1.565 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 57 Resp: 619394

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.9	40.3
56	30.2	25.6	38.4



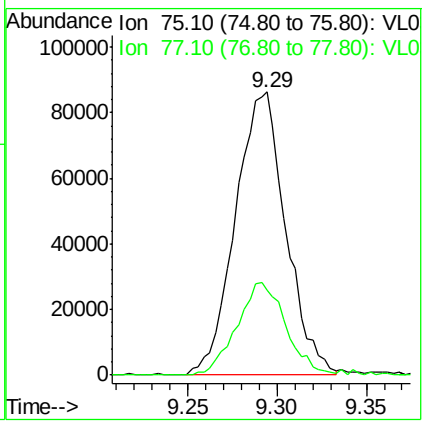


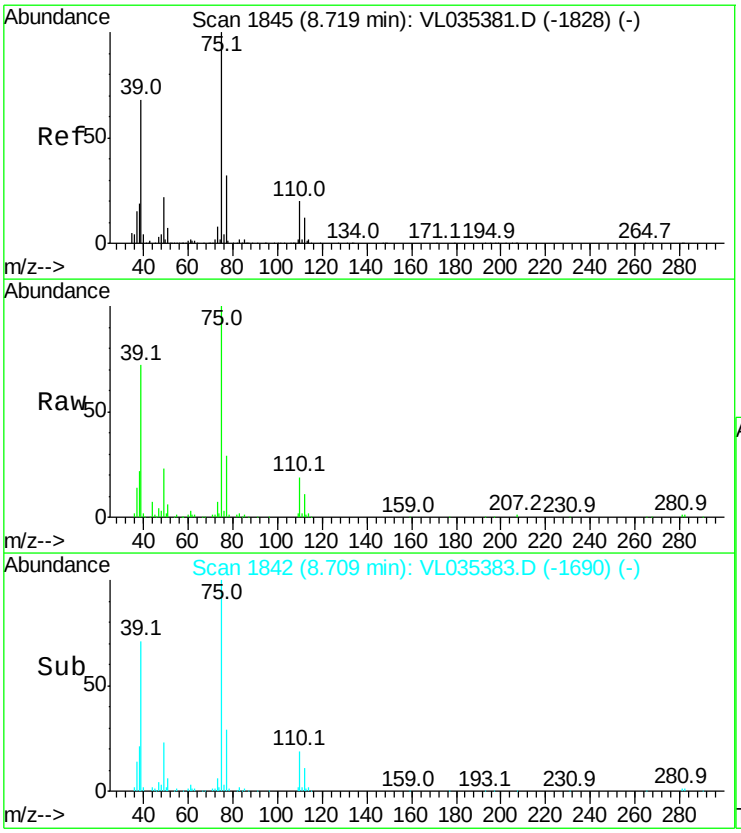
#45
t-1,3-Dichloropropene
Concen: 1.742 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 169369

Ion	Ratio	Lower	Upper
75	100		
77	30.0	25.2	37.8

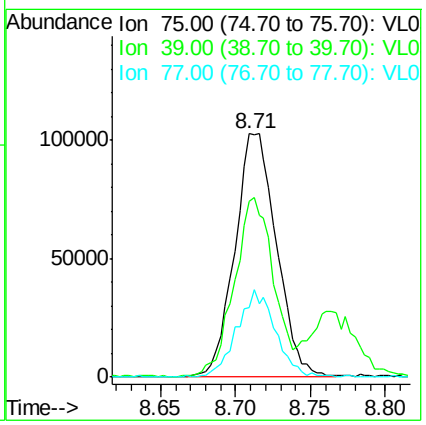


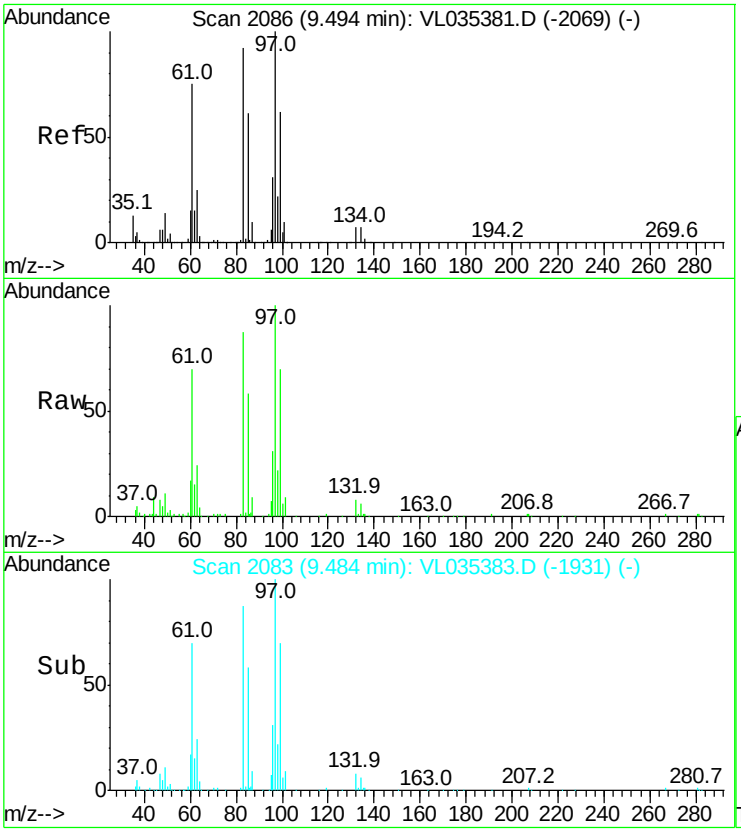


#46
cis-1,3-Dichloropropene
Concen: 1.701 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 75 Resp: 199749

Ion	Ratio	Lower	Upper
75	100		
39	71.2	54.2	81.2
77	28.8	25.7	38.5



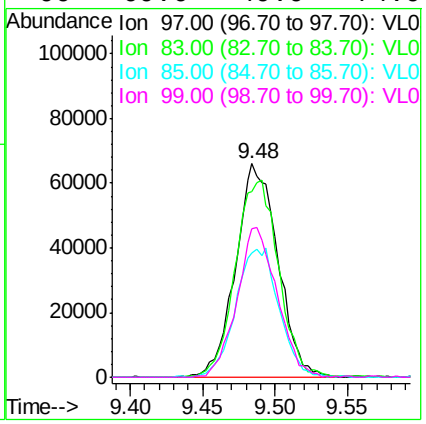


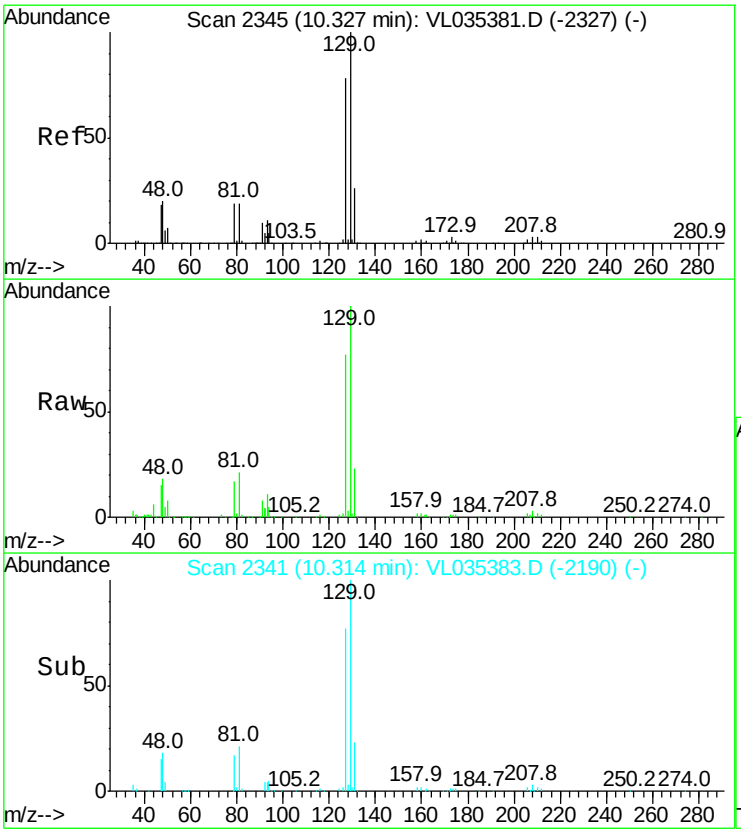
#47
1,1,2-Trichloroethane
Concen: 1.229 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 133274

Ion	Ratio	Lower	Upper
97	100		
83	86.4	73.9	110.9
85	58.2	49.0	73.6
99	69.6	49.9	74.9

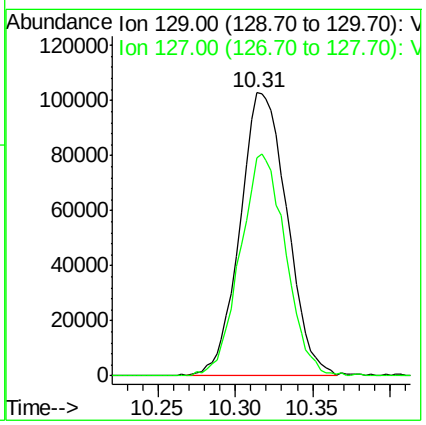


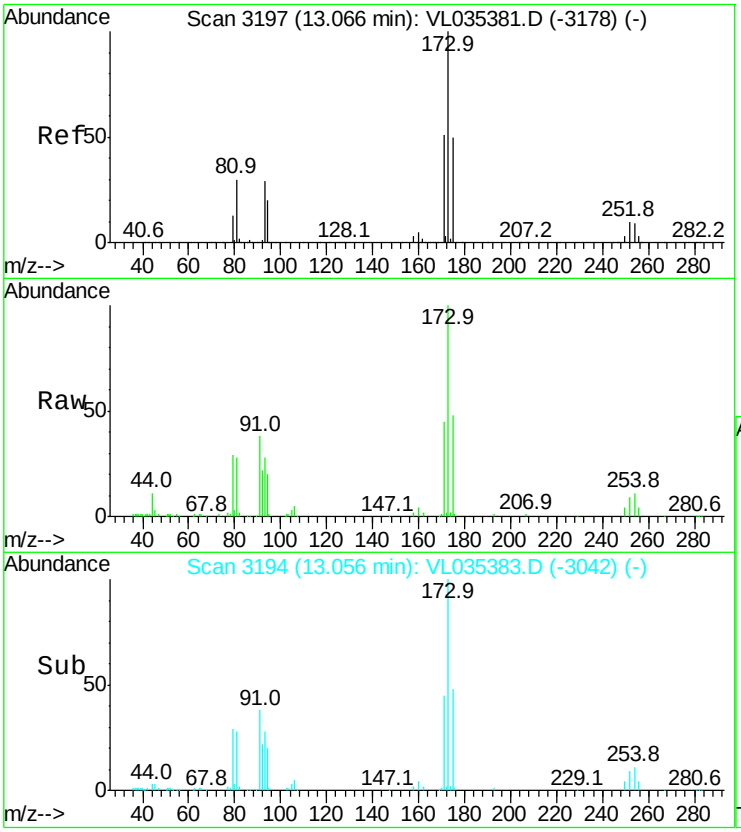


#48
Dibromochloromethane
Concen: 1.225 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:129 Resp: 217514

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.3	117.8



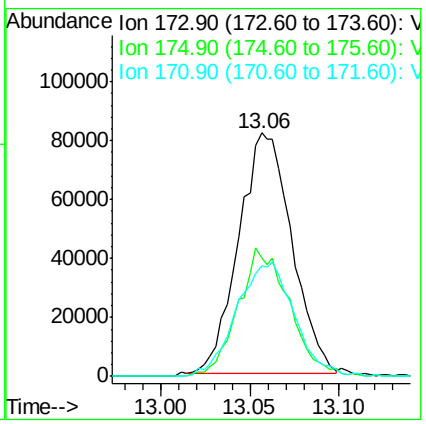


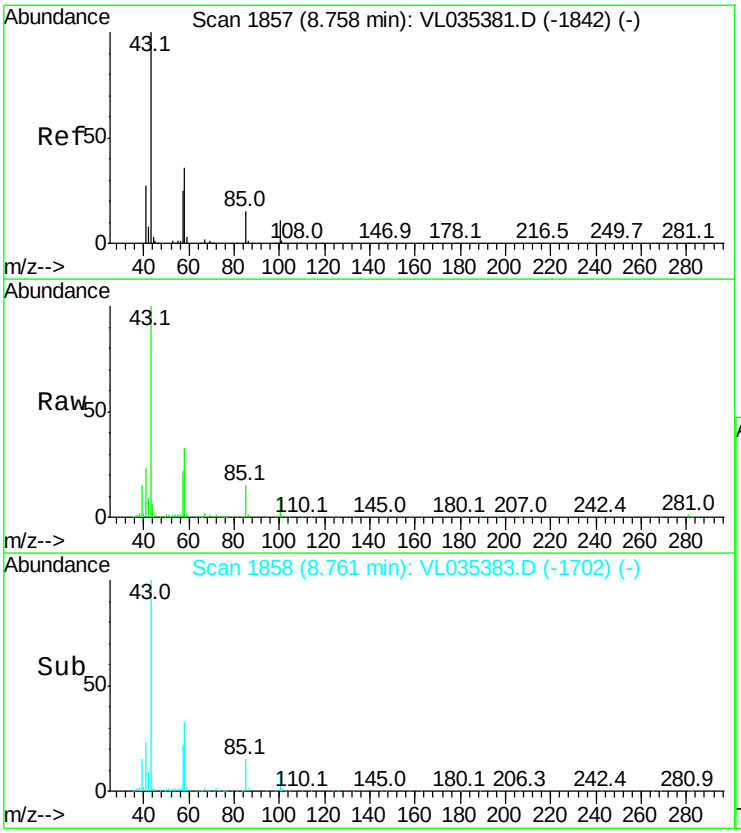
#49
Bromoform
Concen: 1.052 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 170328

Ion	Ratio	Lower	Upper
173	100		
175	51.4	39.9	59.9
171	51.8	41.8	62.8

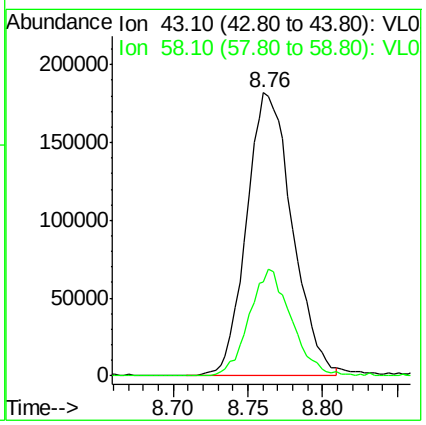


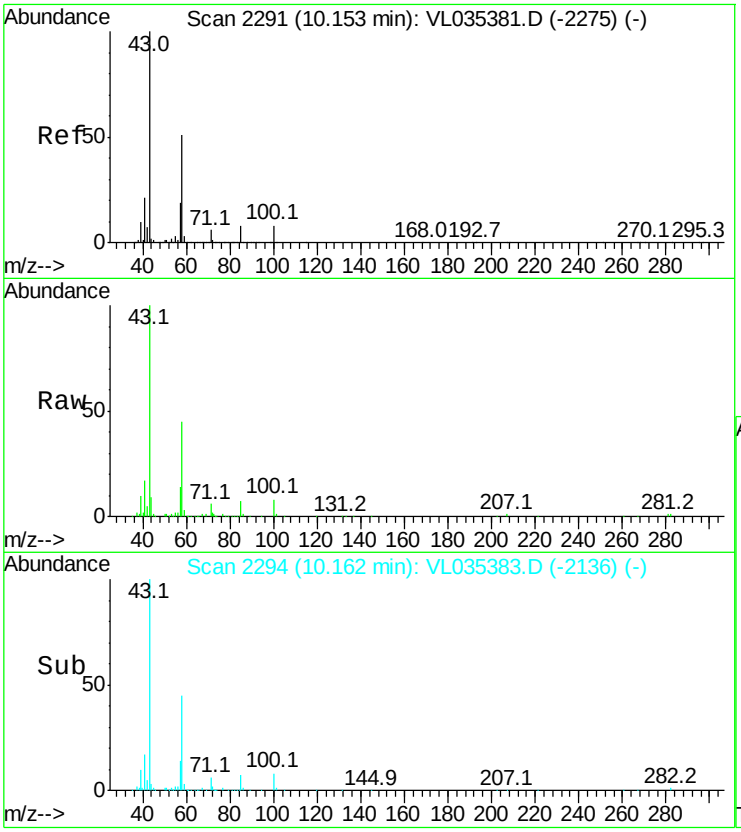


#50
4-Methyl-2-Pentanone
Concen: 1.549 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 43 Resp: 384290

Ion	Ratio	Lower	Upper
43	100		
58	35.1	29.0	43.6



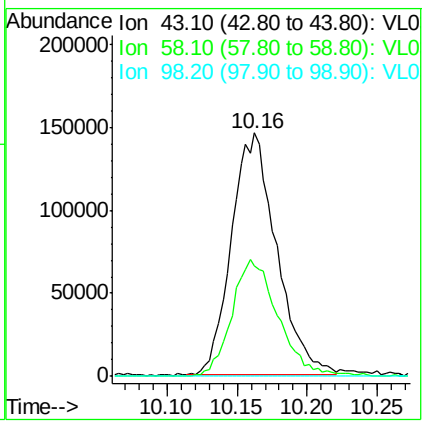


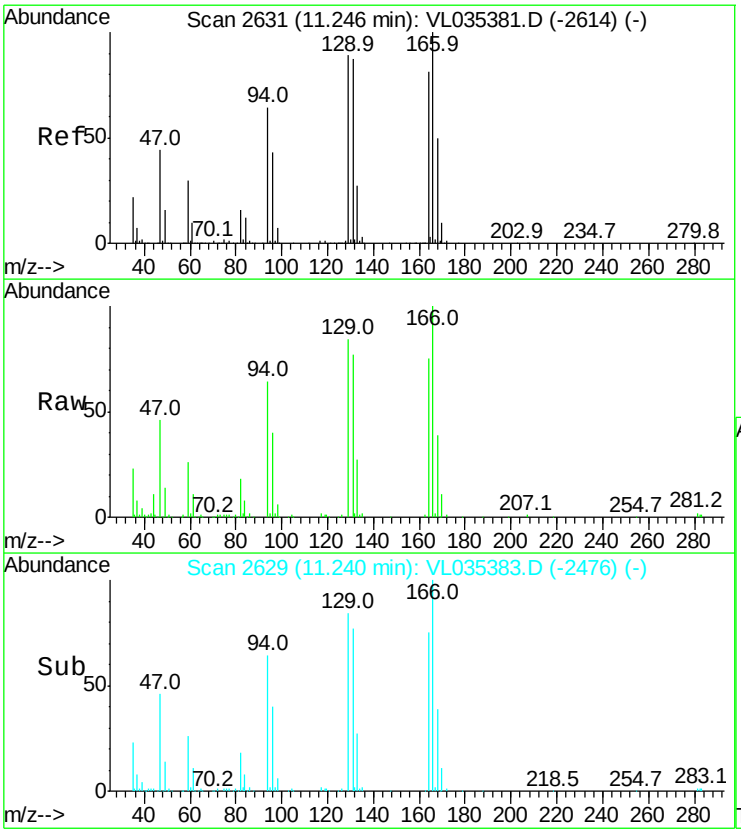
#51
2-Hexanone
Concen: 1.681 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 326777

Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.5	59.3
98	0.0	0.1	0.1#

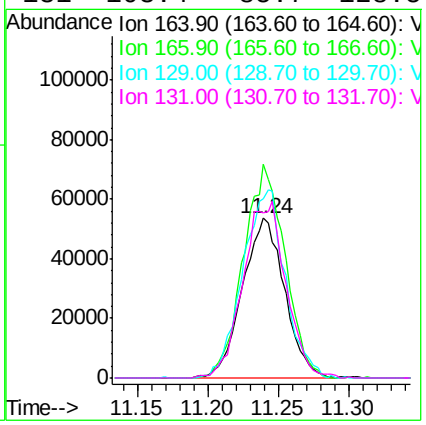


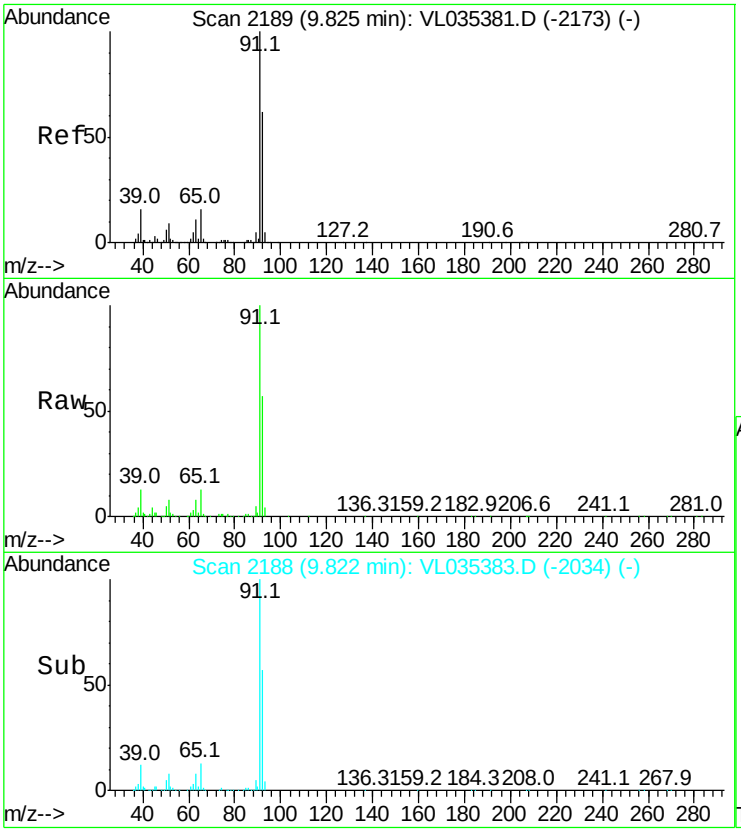


#52
Tetrachloroethene
Concen: 1.269 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:164 Resp: 112120

Ion	Ratio	Lower	Upper
164	100		
166	133.6	98.2	147.2
129	112.1	87.3	130.9
131	103.4	85.7	128.5



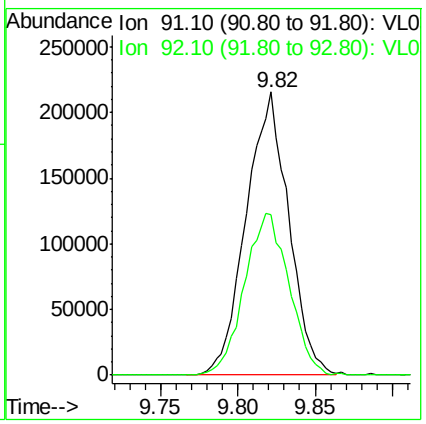


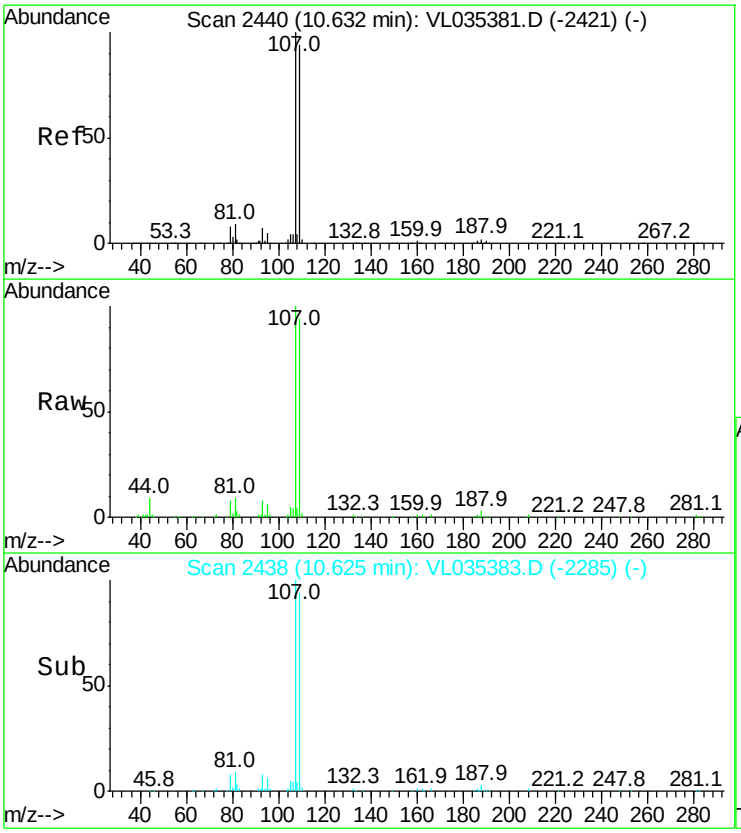
#53
Toluene
Concen: 1.703 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 412602

Ion	Ratio	Lower	Upper
91	100		
92	60.0	49.1	73.7

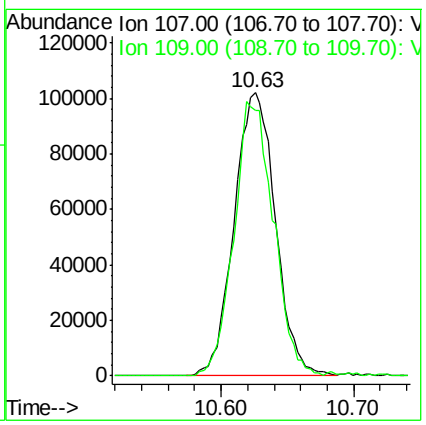


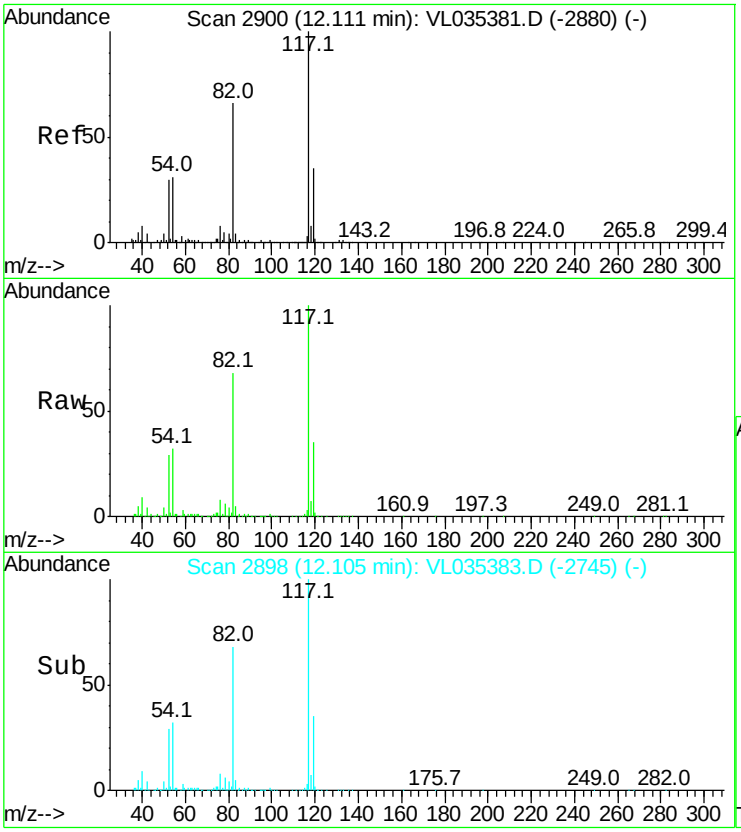


#54
1,2-Dibromoethane
Concen: 1.417 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:107 Resp: 220520

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.2	112.8



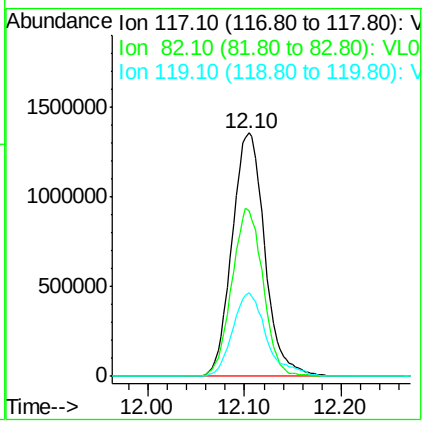


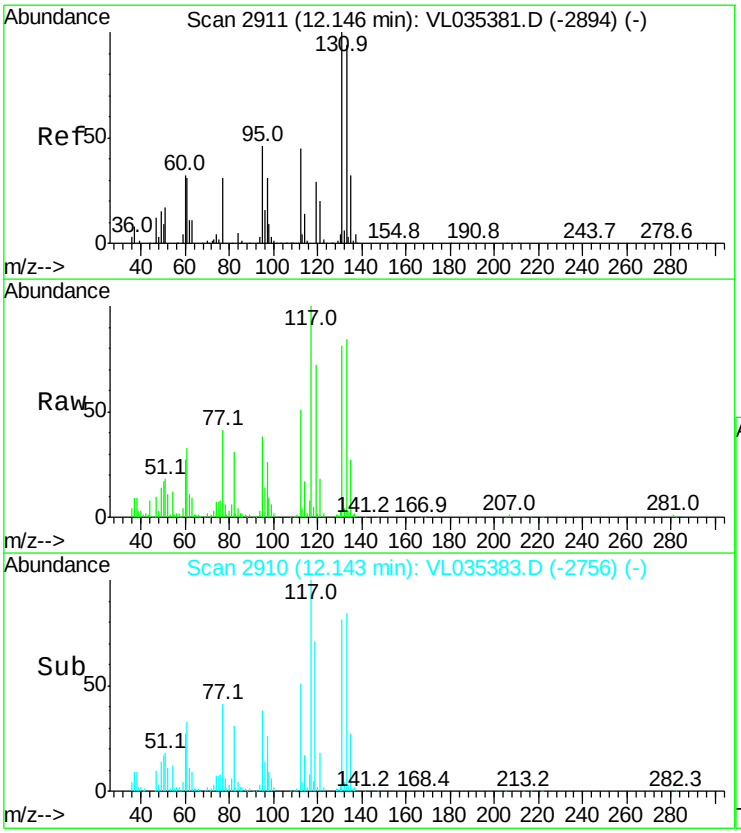
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 3193252

Ion	Ratio	Lower	Upper
117	100		
82	65.7	53.0	79.6
119	35.8	25.7	38.5

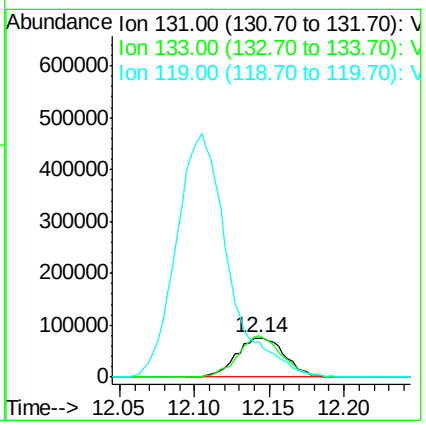


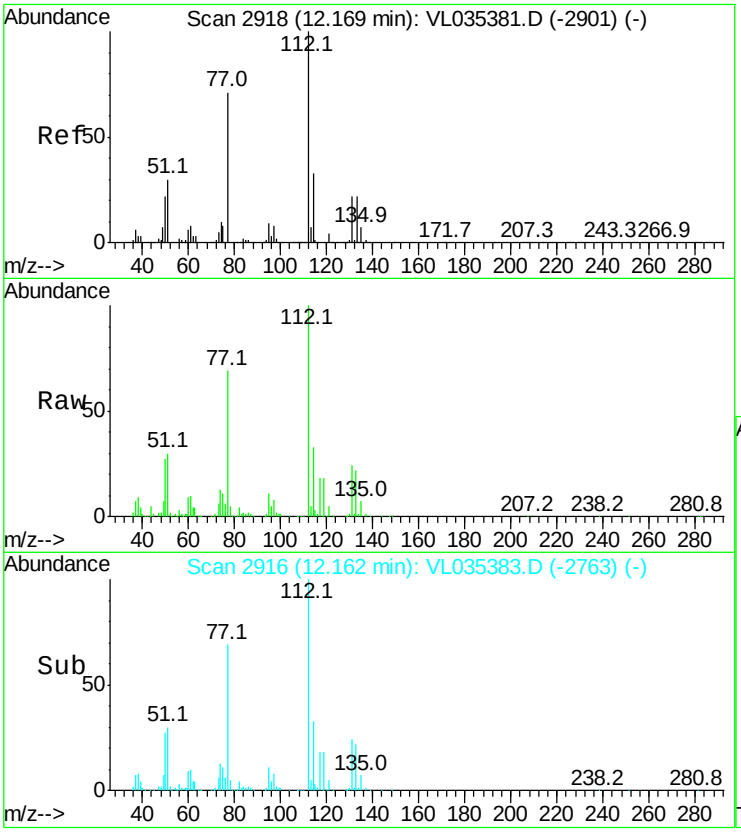


#56
1,1,1,2-Tetrachloroethane
Concen: 1.128 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:131 Resp: 169975

Ion	Ratio	Lower	Upper
131	100		
133	96.4	76.1	114.1
119	671.9	47.0	70.4#



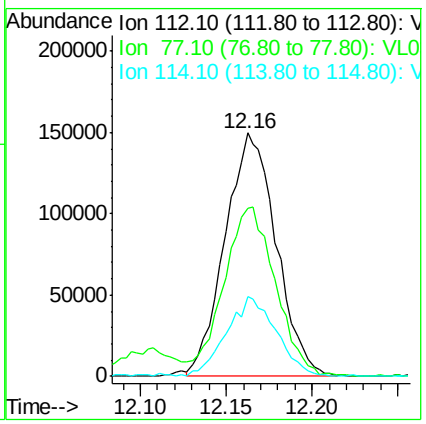


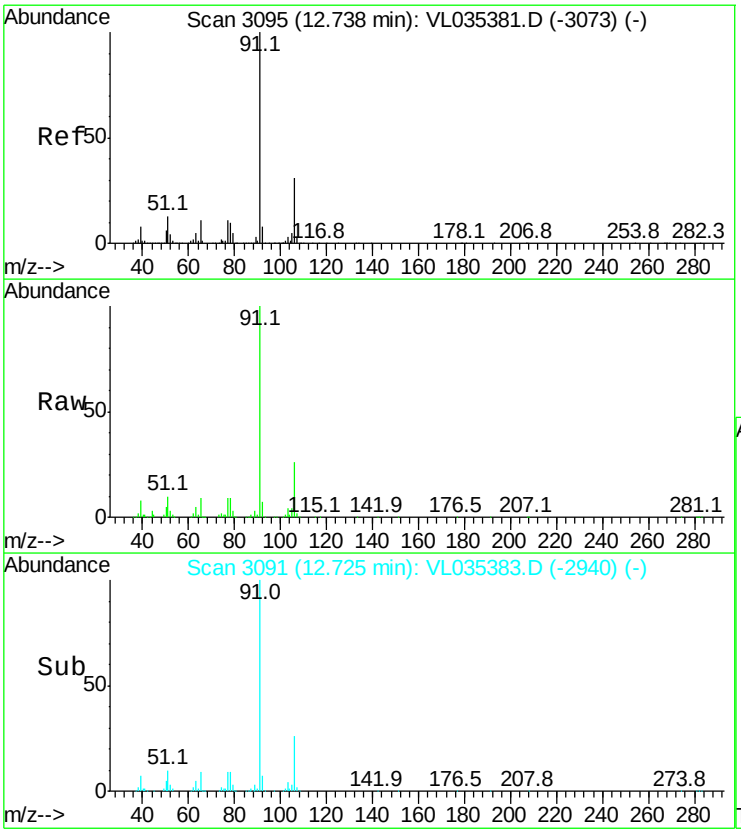
#57
Chlorobenzene
Concen: 1.283 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 308529

Ion	Ratio	Lower	Upper
112	100		
77	68.6	57.6	86.4
114	32.6	30.0	36.6

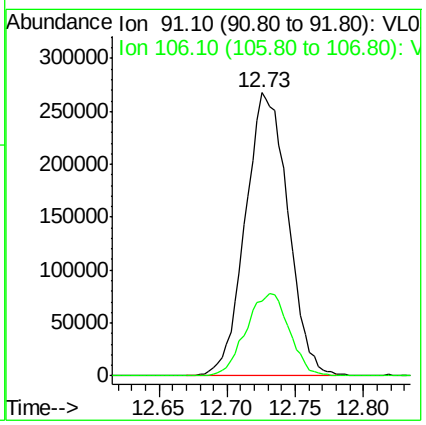


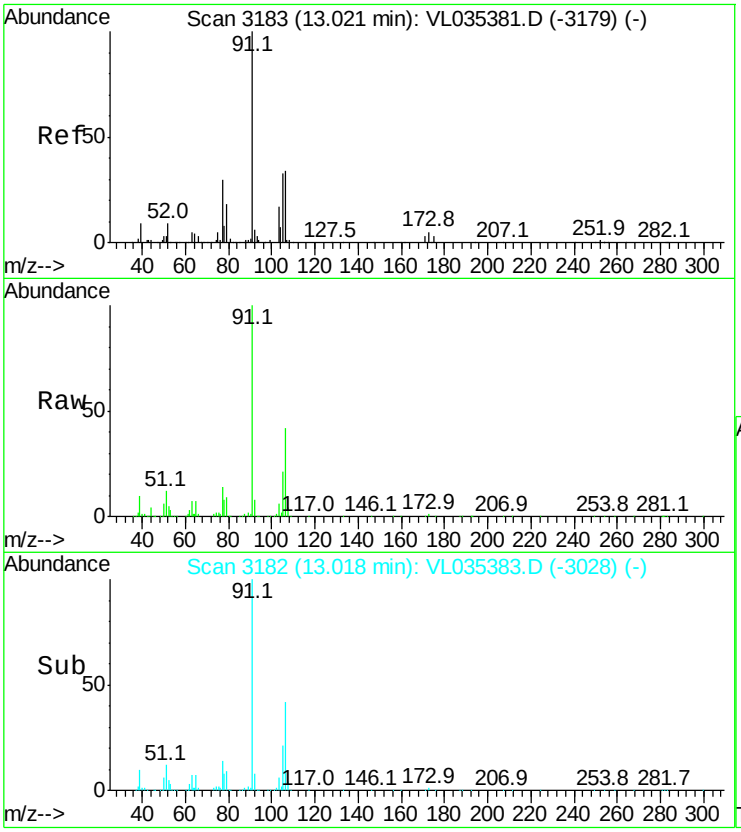


#58
Ethyl Benzene
Concen: 1.749 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 91 Resp: 581261

Ion	Ratio	Lower	Upper
91	100		
106	26.3	25.1	37.7



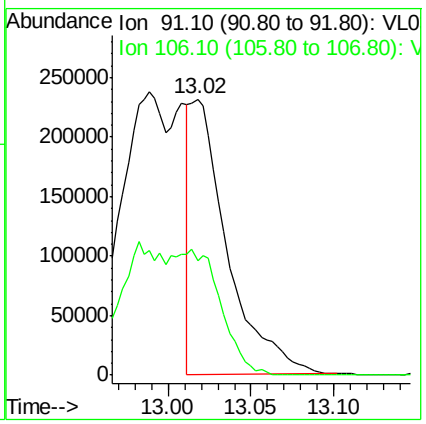


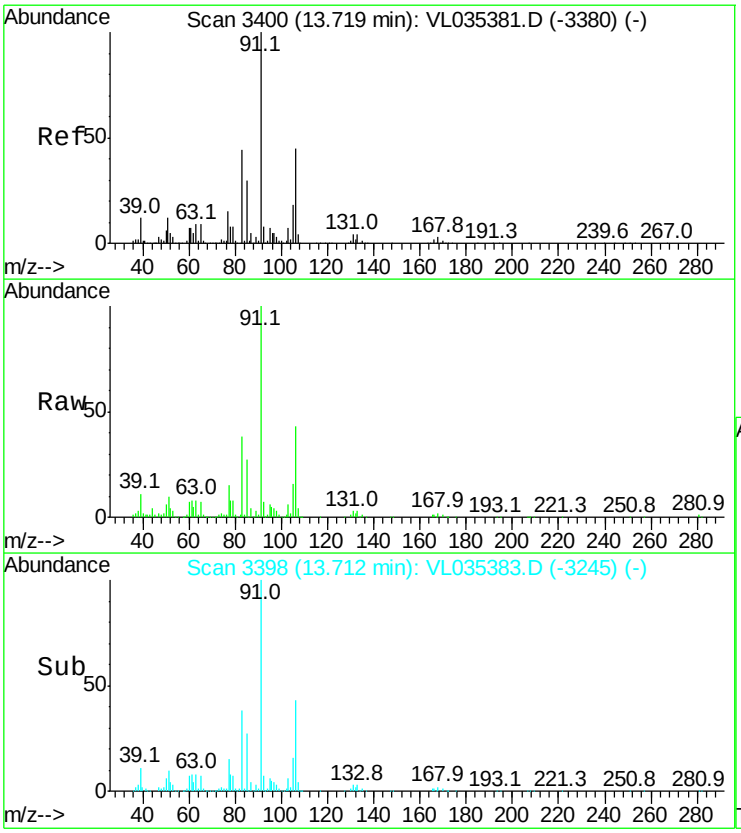
#59
m/p-Xylene
Concen: 1.150 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 355681

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.7	55.1#

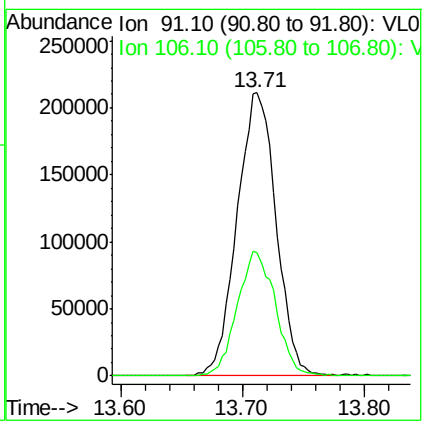


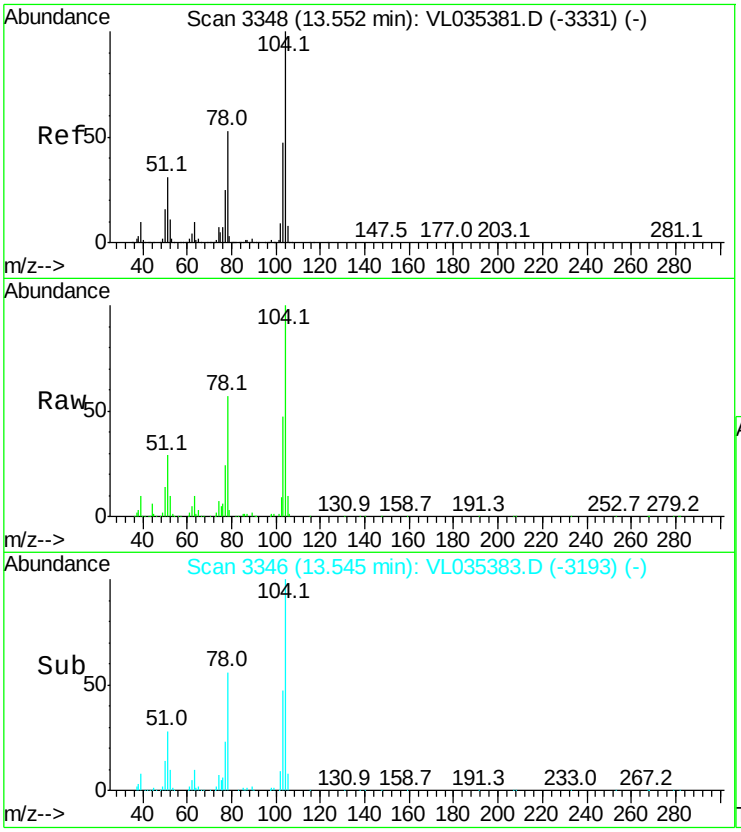


#60
o-Xylene
Concen: 1.517 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 91 Resp: 465900

Ion	Ratio	Lower	Upper
91	100		
106	42.9	22.2	66.6



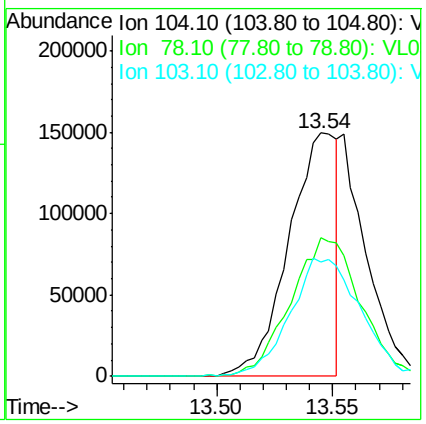


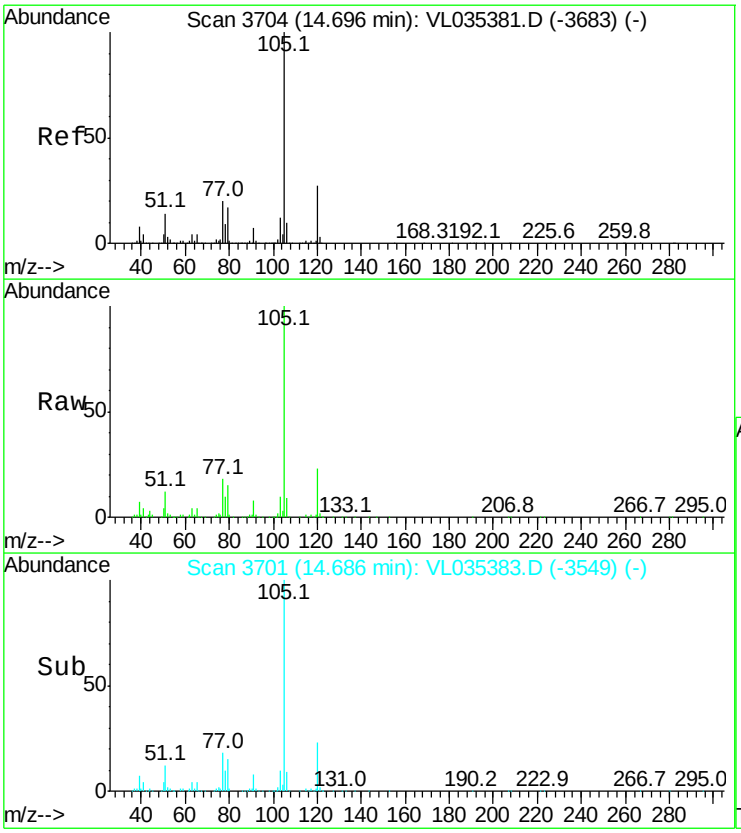
#61
Styrene
Concen: 1.148 ppbv
RT: 13.54 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 215308

Ion	Ratio	Lower	Upper
104	100		
78	83.6	43.0	64.4#
103	71.6	37.9	56.9#

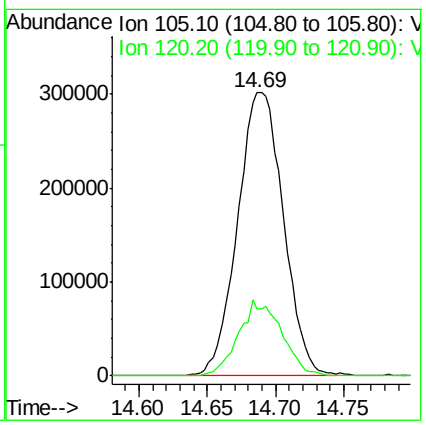


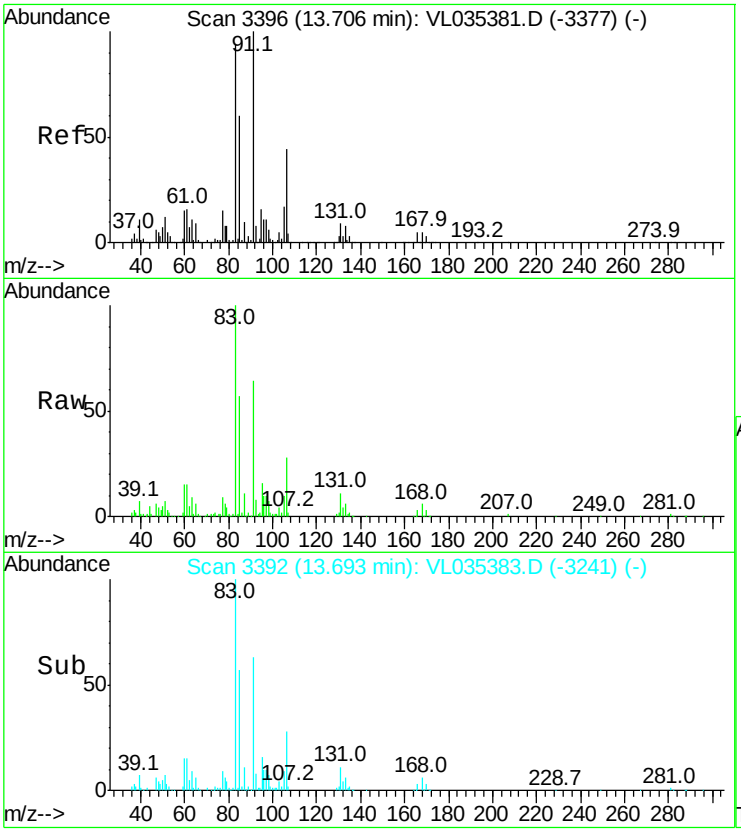


#62
Isopropylbenzene
Concen: 1.515 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:105 Resp: 700542

Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.1	31.7



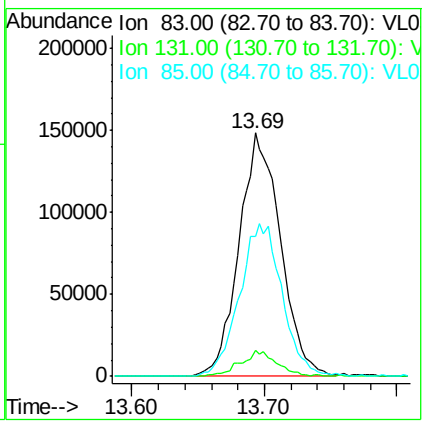


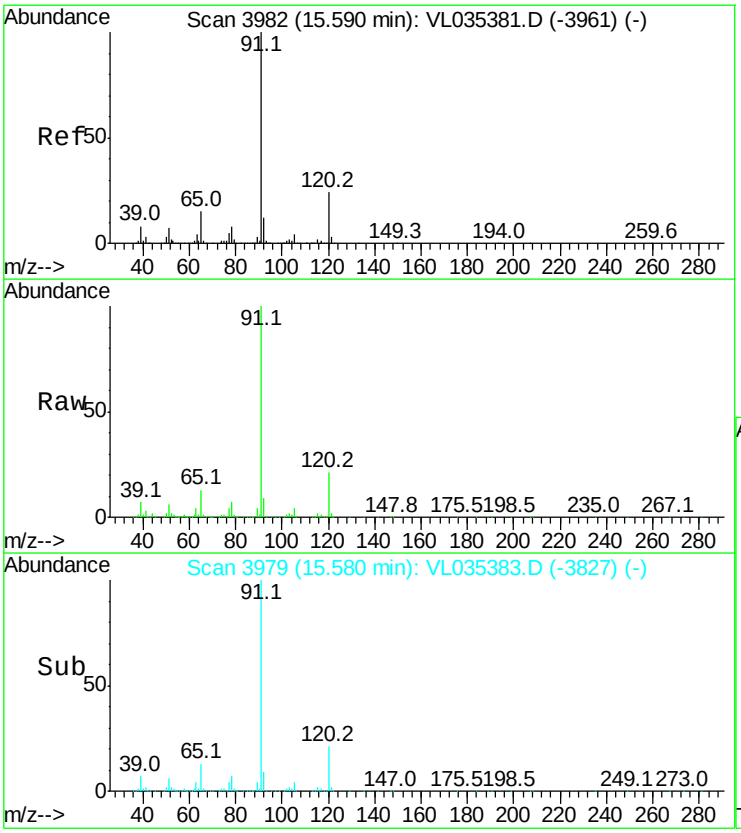
#63
1,1,2,2-Tetrachloroethane
Concen: 1.228 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 321761

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.7
85	64.7	32.4	97.0

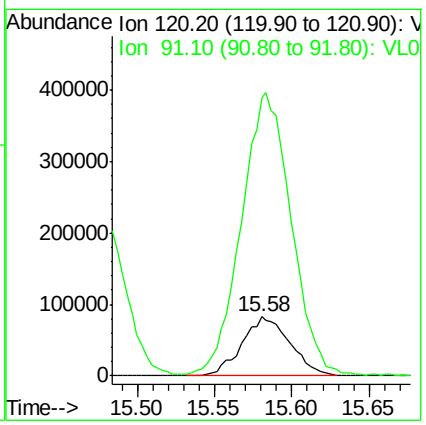


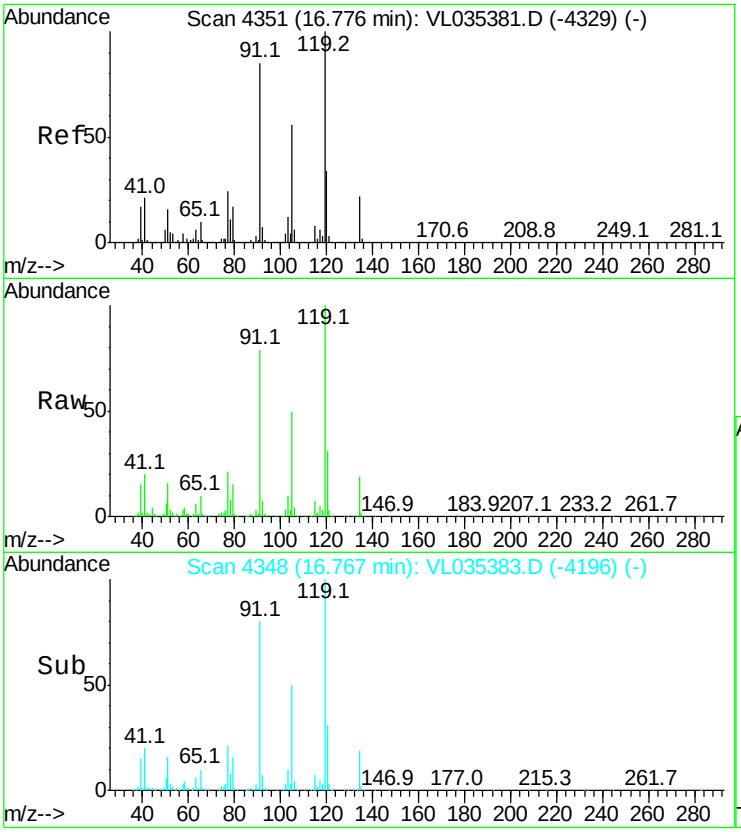


#64
n-propylbenzene
Concen: 1.439 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:120 Resp: 178727

Ion	Ratio	Lower	Upper
120	100		
91	498.6	356.2	534.4



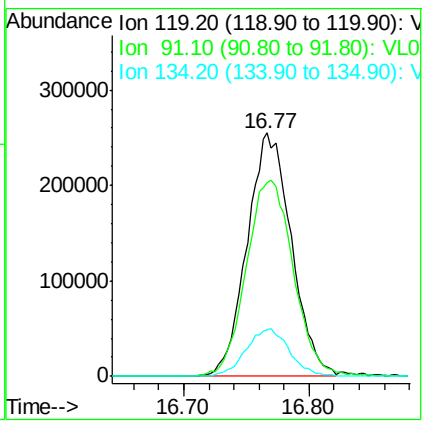


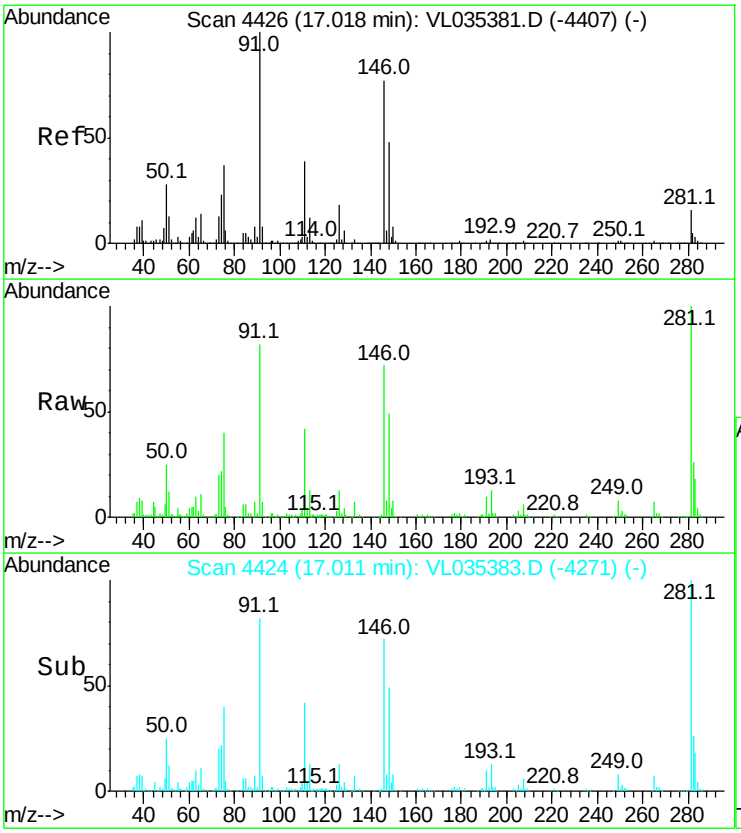
#65
tert-Butylbenzene
Concen: 1.478 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 625527

Ion	Ratio	Lower	Upper
119	100		
91	86.0	68.2	102.4
134	19.3	16.2	24.4

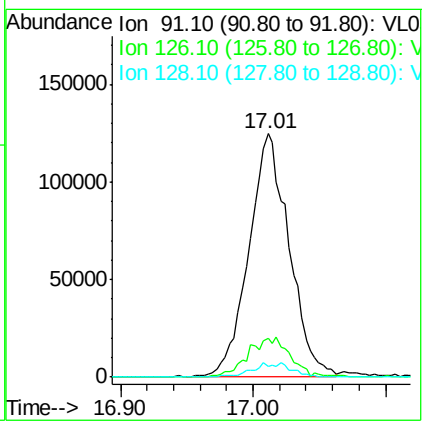


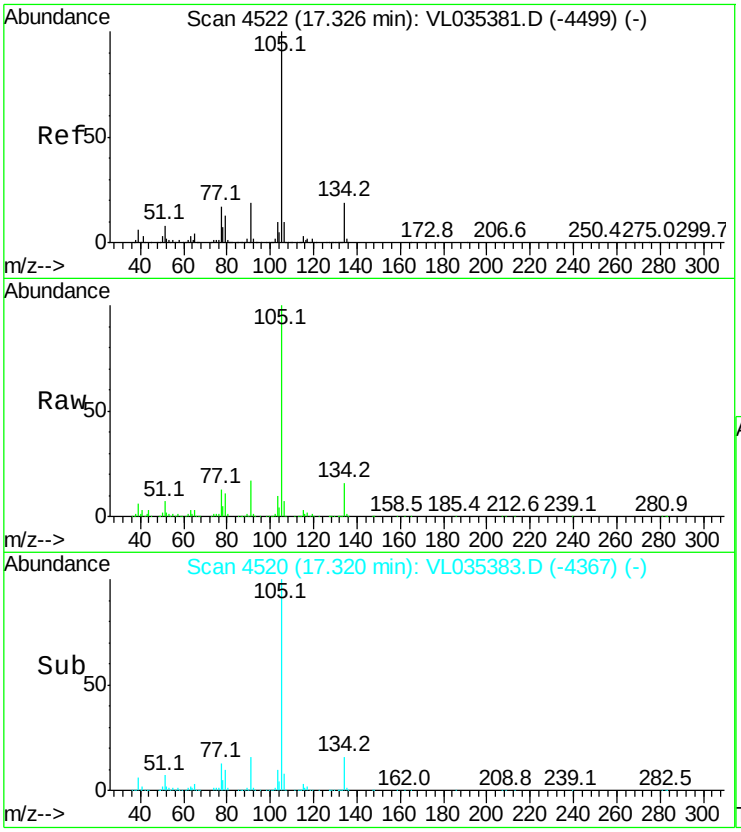


#66
Benzyl Chloride
Concen: 1.572 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 91 Resp: 263445

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.6	4.6	7.0



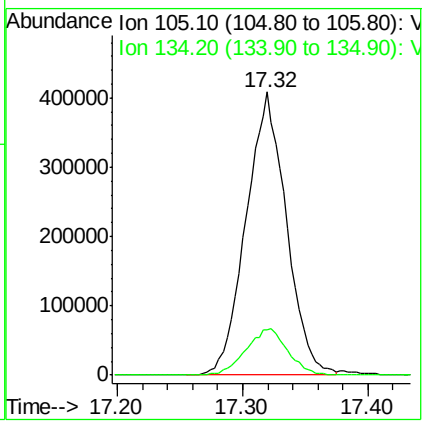


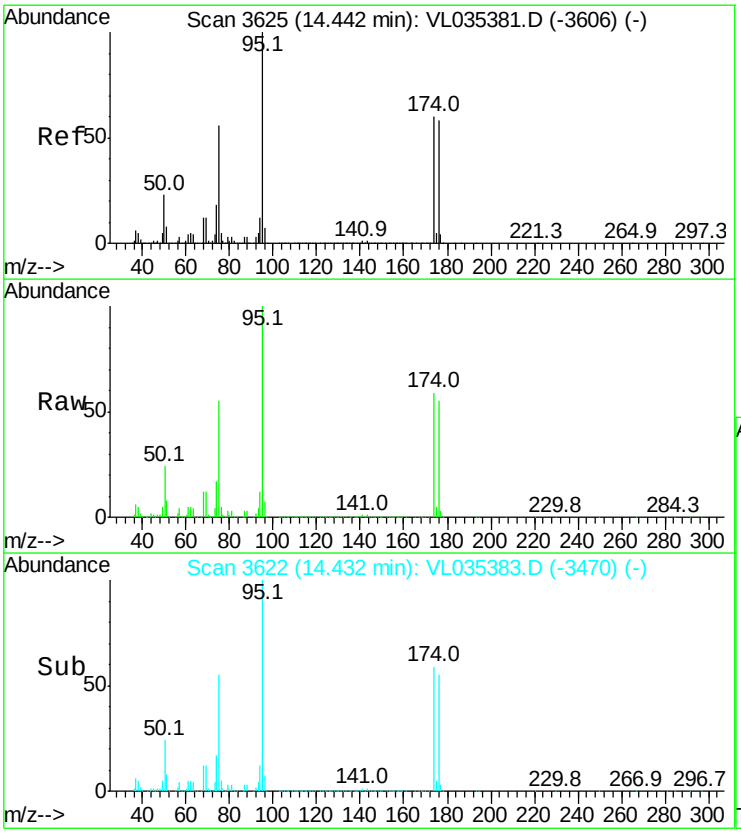
#67
sec-Butylbenzene
Concen: 1.518 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 909129

Ion	Ratio	Lower	Upper
105	100		
134	17.4	15.0	22.6

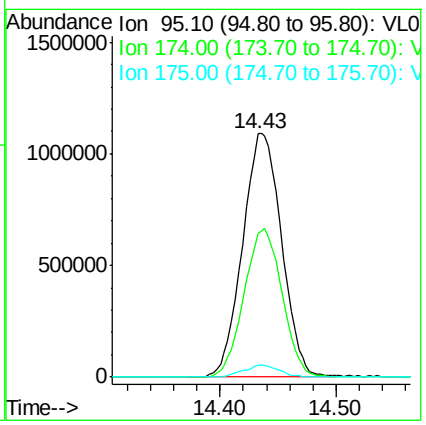


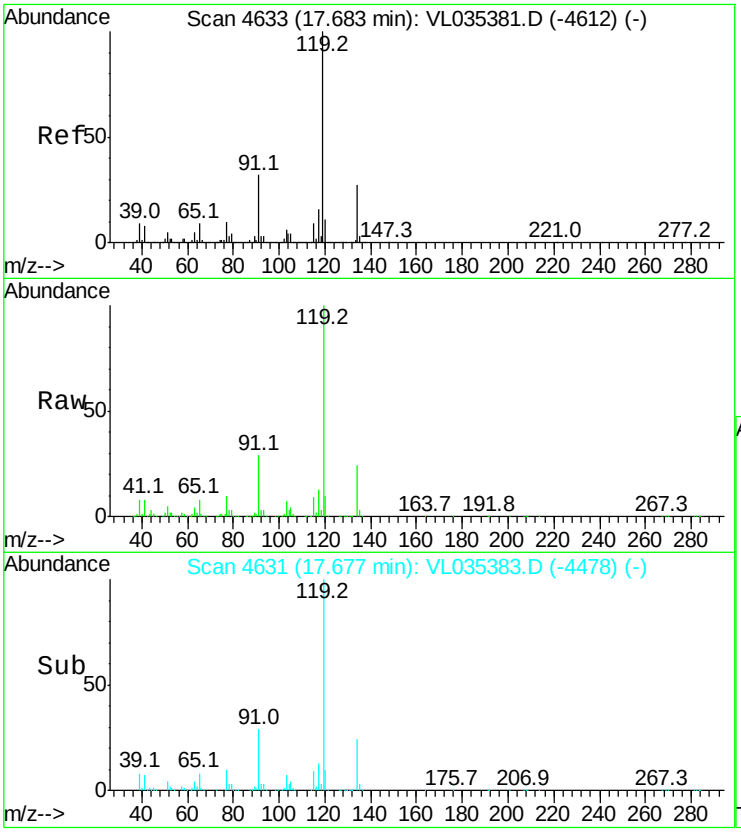


#68
1-Bromo-4-Fluorobenzene
Concen: 9.595 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 95 Resp: 2555180

Ion	Ratio	Lower	Upper
95	100		
174	60.1	48.2	72.2
175	4.7	3.7	5.5



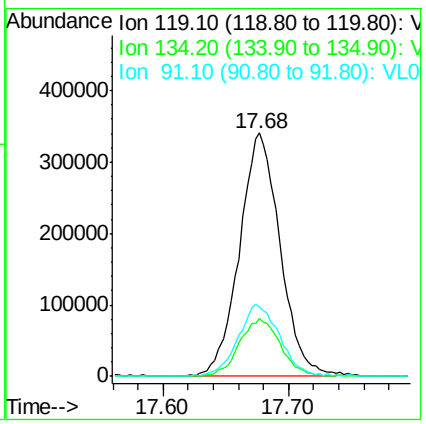


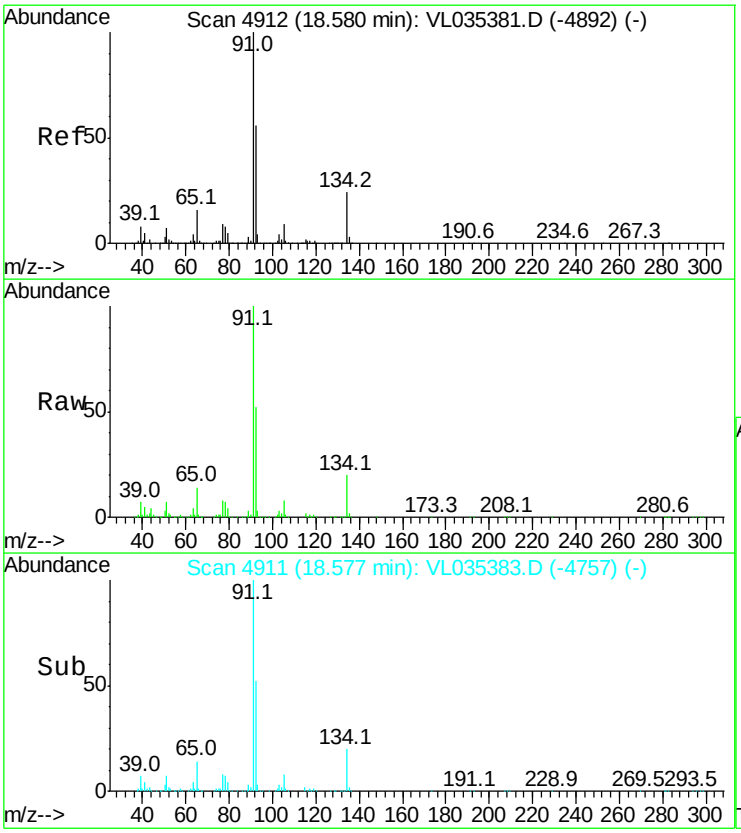
#69
p-Isopropyltoluene
Concen: 1.559 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 760941

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.9	31.3
91	31.0	25.3	37.9

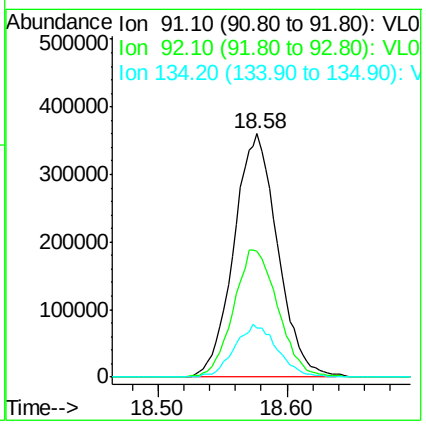


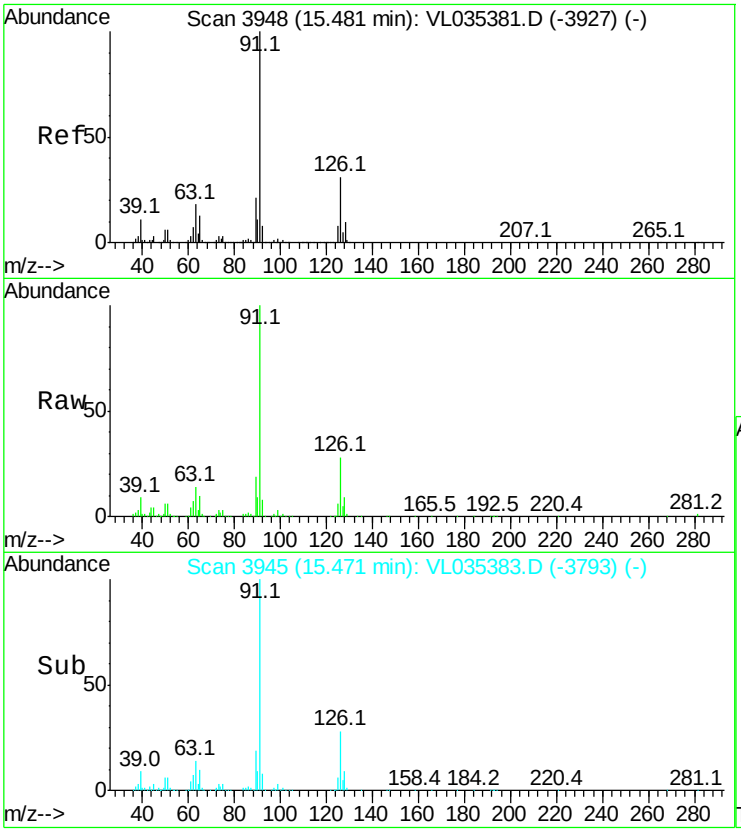


#70
n-Butylbenzene
Concen: 1.614 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion: 91 Resp: 842611

Ion	Ratio	Lower	Upper
91	100		
92	53.8	45.0	67.6
134	21.5	18.8	28.2



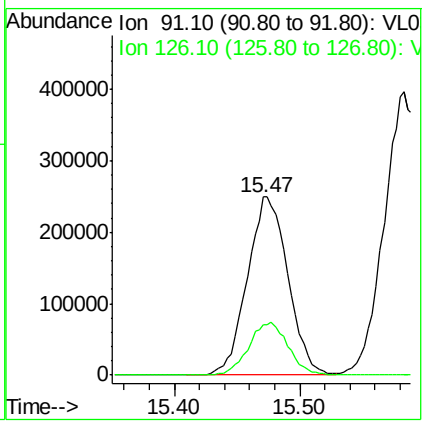


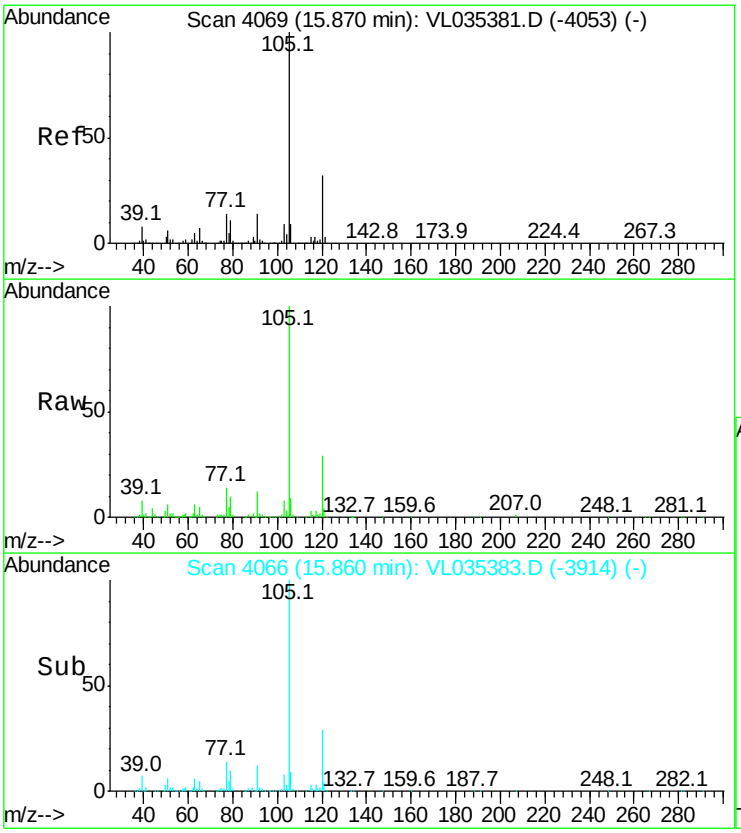
#71
2-Chlorotoluene
Concen: 1.661 ppbv
RT: 15.47 min Scan# 3945
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 562568

Ion	Ratio	Lower	Upper
91	100		
126	28.7	12.1	48.3

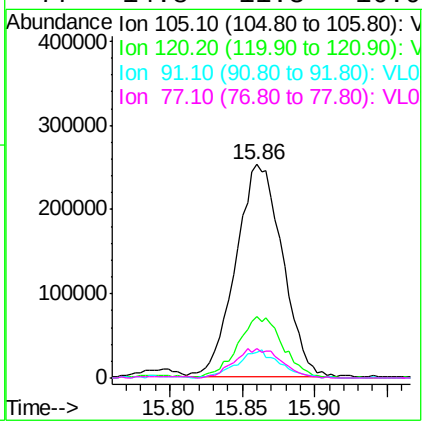


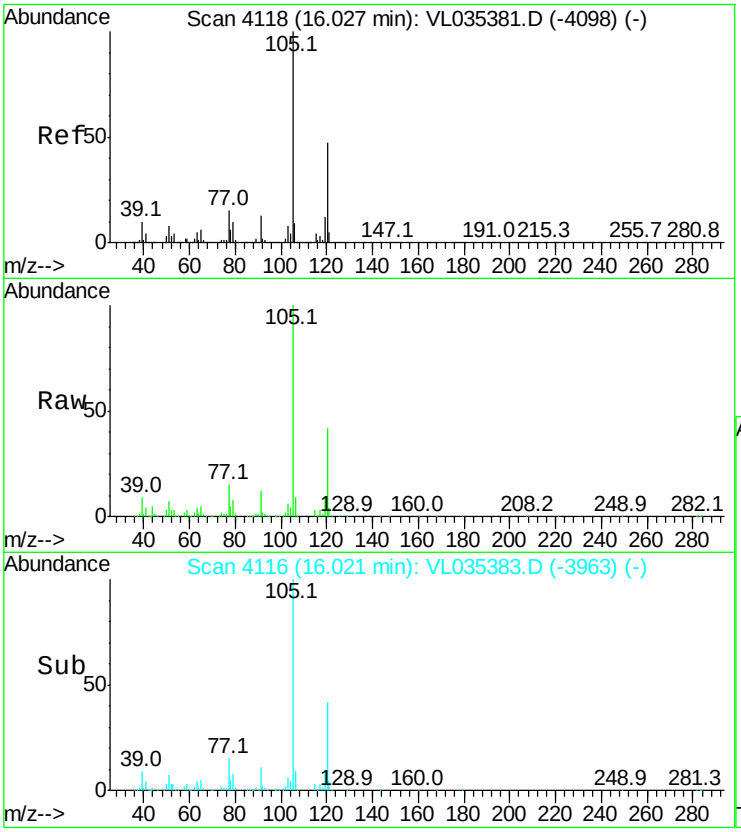


#72
4-Ethyltoluene
Concen: 1.611 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:105 Resp: 563818

Ion	Ratio	Lower	Upper
105	100		
120	28.3	24.0	36.0
91	12.4	10.4	15.6
77	14.8	11.3	16.9



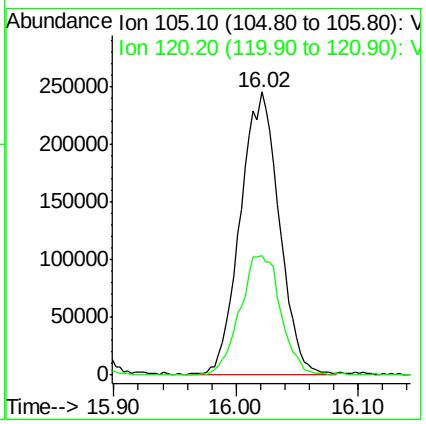


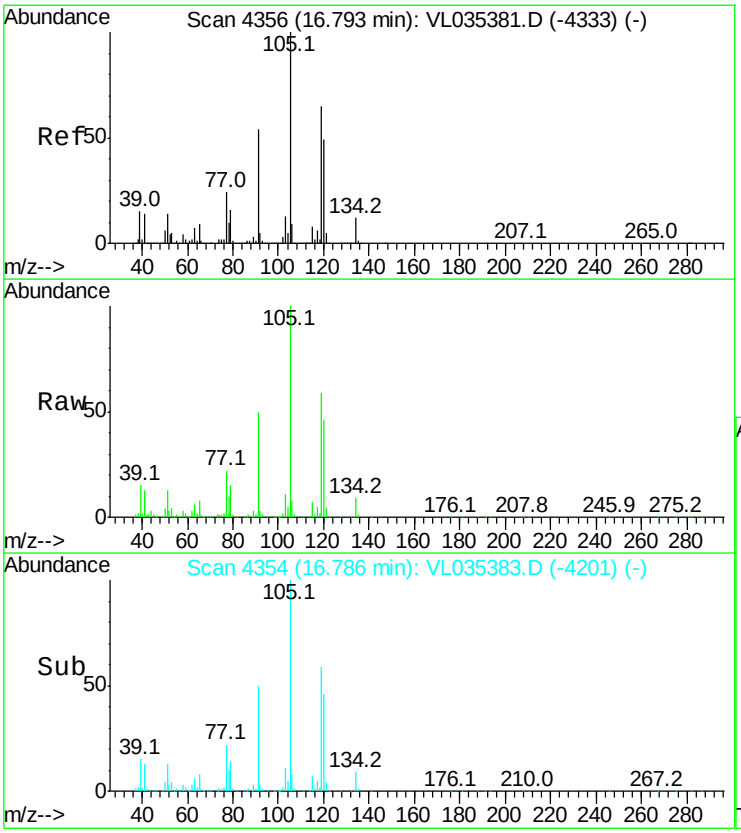
#73
1,3,5-Trimethylbenzene
Concen: 1.595 ppbv
RT: 16.02 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 535665

Ion	Ratio	Lower	Upper
105	100		
120	42.1	37.4	56.0

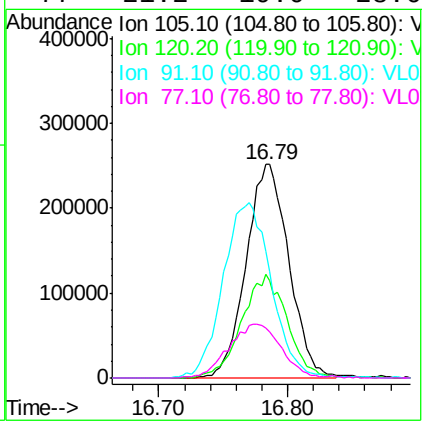


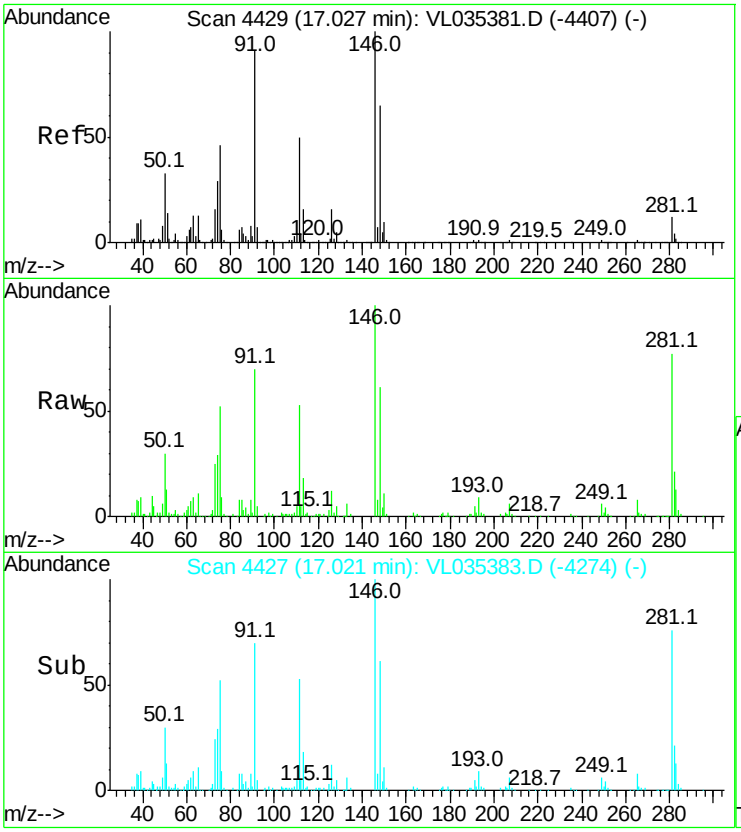


#74
1,2,4-Trimethylbenzene
Concen: 1.508 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:105 Resp: 578965

Ion	Ratio	Lower	Upper
105	100		
120	45.1	39.1	58.7
91	49.1	43.7	65.5
77	21.2	19.0	28.6



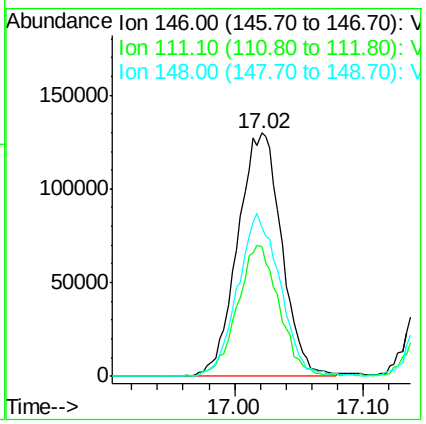


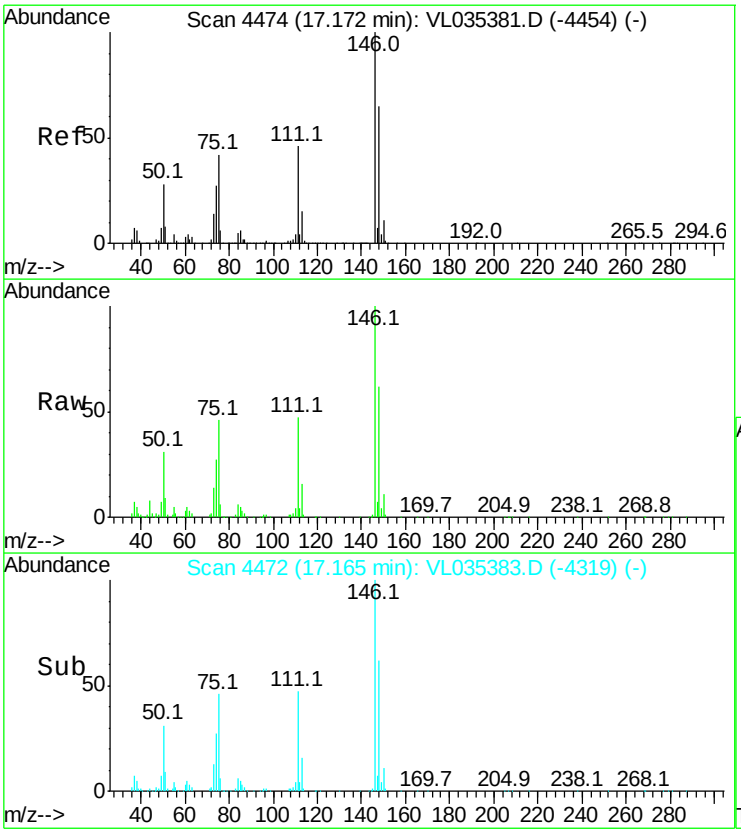
#75
1,3-Dichlorobenzene
Concen: 1.229 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 308540

Ion	Ratio	Lower	Upper
146	100		
111	51.5	25.0	75.0
148	64.5	32.6	97.7

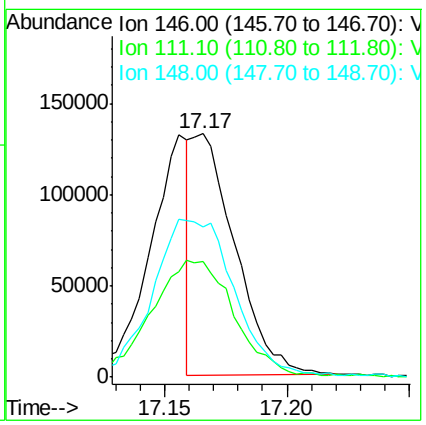


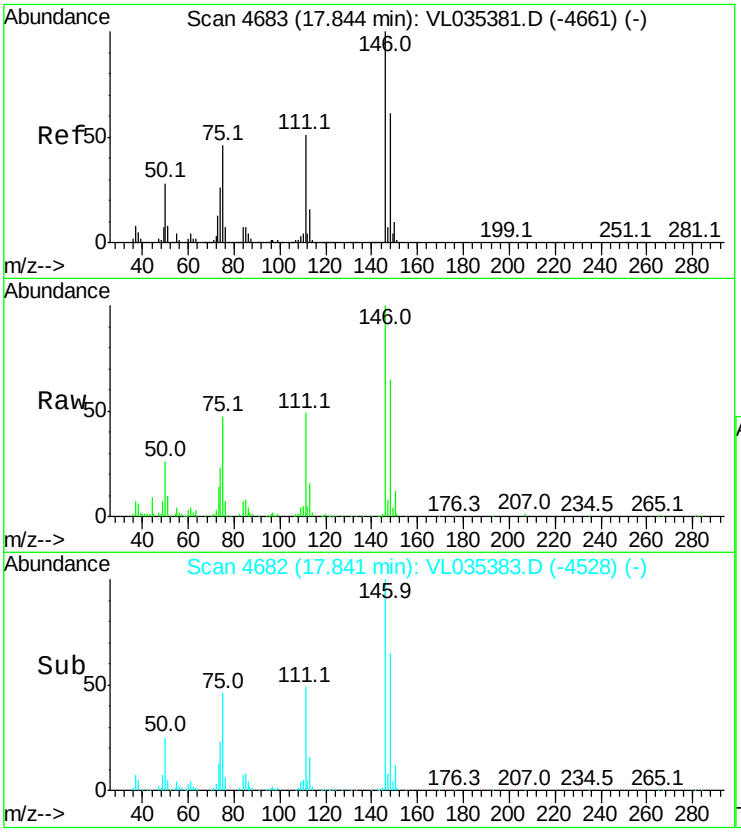


#76
1,4-Dichlorobenzene
Concen: 0.697 ppbv
RT: 17.17 min Scan# 4472
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:146 Resp: 162056

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.0	72.0#
148	0.0	32.5	97.5#



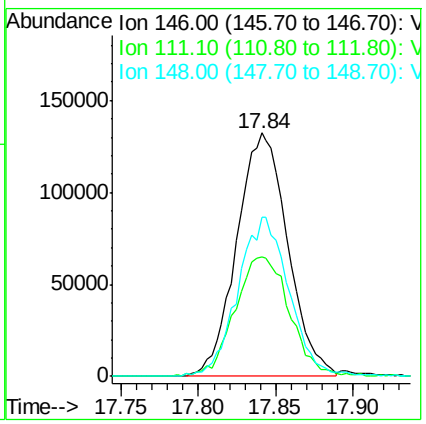


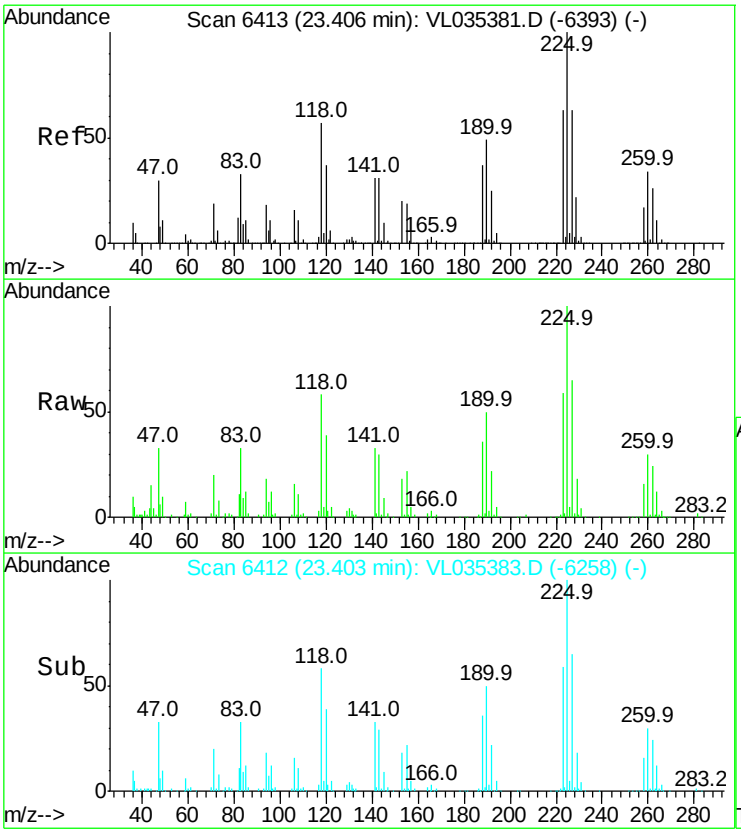
#77
1,2-Dichlorobenzene
Concen: 1.298 ppbv
RT: 17.84 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 300931

Ion	Ratio	Lower	Upper
146	100		
111	53.2	25.9	77.8
148	66.2	32.1	96.3

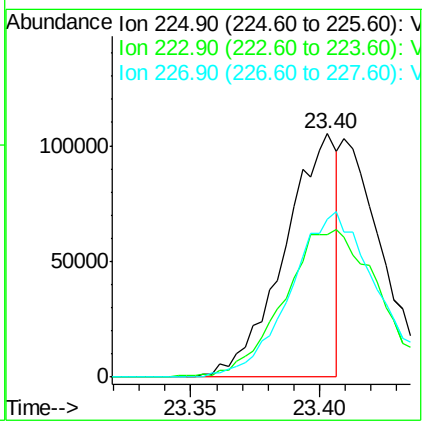


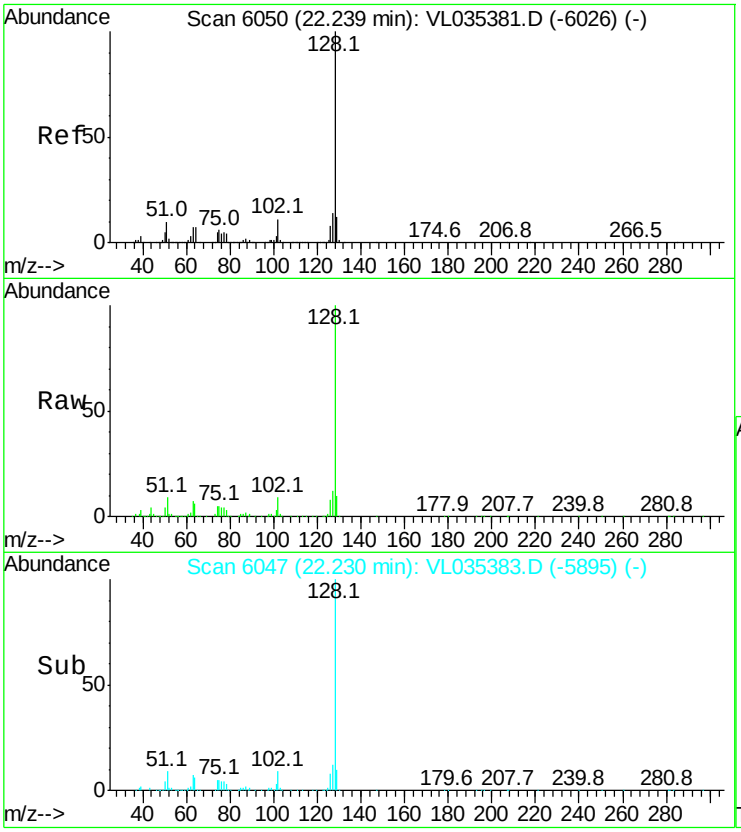


#78
Hexachloro-1,3-Butadiene
Concen: 0.752 ppbv
RT: 23.40 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:225 Resp: 148380

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	0.0	51.0	76.6#



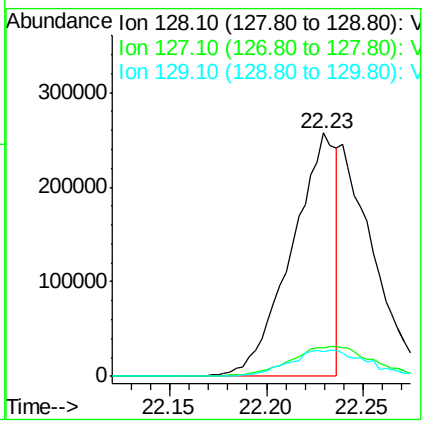


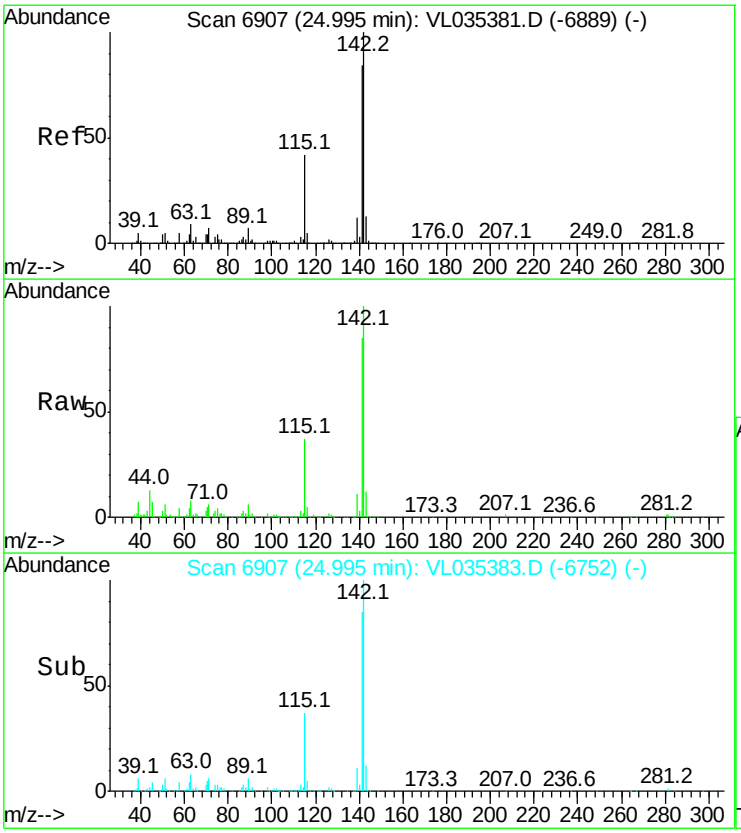
#79
Naphthalene
Concen: 1.394 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.01 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 411779

Ion	Ratio	Lower	Upper
128	100		
127	11.6	11.0	16.4
129	9.8	9.2	13.8

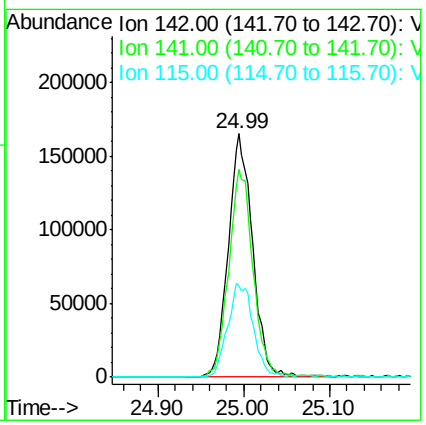


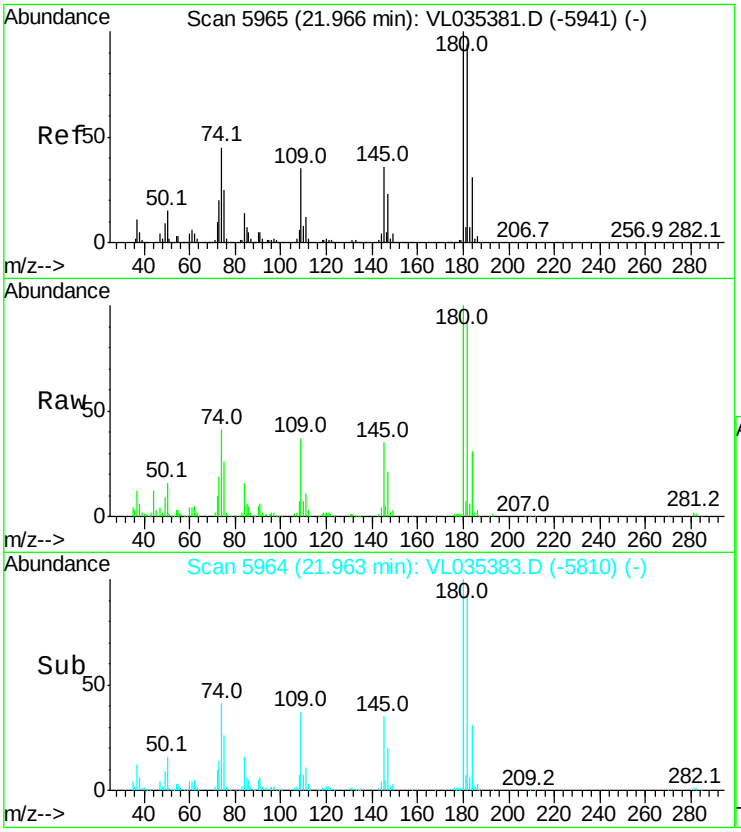


#80
Naphthalene,2-methyl-
Concen: 4.816 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Tgt Ion:142 Resp: 323480

Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.7	101.5
115	40.8	34.0	51.0





#81
1,2,4-Trichlorobenzene
Concen: 1.808 ppbv
RT: 21.96 min Scan# 5964
Delta R.T. -0.00 min
Lab File: VL035383.D
Acq: 12 Aug 2020 13:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 336476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.6	116.4
184	30.4	24.7	37.1