Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035235.D
Acq On : 29 Jul 2020 4:02
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 29 06:00:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 03:31:38 2020
QLast Update : Wed Jul 29 03:31:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1453866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3547552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3243100	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2646430	10.02	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	192757	0.964	ppbv	97
3) Chlorodifluoromethane	2.94	51	176917	1.099	ppbv	98
4) Chloromethane	3.10	50	99181	1.091	ppbv	98
5) Vinyl Chloride	3.21	62	97720	1.005	ppbv	94
6) Bromomethane	3.43	94	61652	1.117	ppbv	84
7) Chloroethane	3.52	64	35279	1.026	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	249508	1.112	ppbv	99
9) Propene	2.96	41	56998	0.945	ppbv	98
10) Heptane	8.14	43	144750	0.924	ppbv	97
11) Trichlorofluoromethane	3.92	101	252326	1.089	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	182814	1.123	ppbv	99
13) Ethanol	3.57	45	18309	0.925	ppbv #	42
14) Bromoethene	3.71	108	70037	1.048	ppbv	96
15) Acetone	3.82	43	221910	1.123	ppbv	95
16) 1,3-Butadiene	3.29	39	76105	1.005	ppbv	96
17) tert-Butyl alcohol	4.27	59	204316	1.158	ppbv	100
18) 1,1-Dichloroethene	4.26	96	79682	1.104	ppbv	91
19) Isopropyl Alcohol	3.94	45	140975	1.170	ppbv #	97
20) Methylene Chloride	4.32	84	105692	1.223	ppbv #	90
21) Allyl Chloride	4.39	41	110282	0.958	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	73677	1.028	ppbv	98
23) Vinyl Acetate	5.06	43	189991	0.899	ppbv #	96
24) 1,1-Dichloroethane	4.99	63	190609	1.039	ppbv	97
25) Ethyl Acetate	5.67	43	318875	1.042	ppbv	99
26) Hexane	5.68	57	141797	1.048	ppbv	97
27) Carbon Disulfide	4.53	76	186374	0.990	ppbv	94
28) Methyl tert-Butyl Ether	5.02	73	198578	0.967	ppbv	100
29) Chloroform	5.74	83	240968	1.060	ppbv	96
30) Cyclohexane	7.14	84	77335	0.774	ppbv #	88
31) cis-1,2-Dichloroethene	5.54	61	113322	0.891	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	224166	0.986	ppbv	98
34) 2-Butanone	5.23	43	185079	0.978	ppbv	95
35) Carbon Tetrachloride	7.02	117	224367	0.968	ppbv	100
36) Benzene	6.90	78	240306	0.935	ppbv	95
37) 1,2-Dichloroethane	6.30	62	171336	0.987	ppbv #	96
38) Trichloroethene	7.85	130	100343	0.952	ppbv	93
39) 1,2-Dichloropropane	7.62	63	93142	0.906	ppbv	98
40) 1,4-Dioxane	7.85	88	9085	0.222	ppbv #	1
41) Tetrahydrofuran	6.05	42	80632	0.856	ppbv	94
42) Bromodichloromethane	7.80	83	233988	1.010	ppbv	96
43) Methyl Methacrylate	8.03	69	95871	0.876	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035235.D
Acq On : 29 Jul 2020 4:02
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 29 06:00:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 03:31:38 2020
QLast Update : Wed Jul 29 03:31:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	443390	0.995 ppbv		98
45) t-1,3-Dichloropropene	9.29	75	88756	0.776 ppbv	#	88
46) cis-1,3-Dichloropropene	8.72	75	70903	0.521 ppbv		91
47) 1,1,2-Trichloroethane	9.50	97	115755	1.025 ppbv	#	86
48) Dibromochloromethane	10.33	129	175278	0.956 ppbv		97
49) Bromoform	13.08	173	90729	0.560 ppbv	#	48
50) 4-Methyl-2-Pentanone	8.76	43	252730	0.928 ppbv		95
51) 2-Hexanone	10.17	43	71196	0.341 ppbv	#	29
52) Tetrachloroethene	11.26	164	91992	0.951 ppbv	#	81
53) Toluene	9.83	91	232295	0.853 ppbv		99
54) 1,2-Dibromoethane	10.64	107	163227	0.975 ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.16	131	160077	1.099 ppbv	#	70
57) Chlorobenzene	12.18	112	261479	1.077 ppbv		94
58) Ethyl Benzene	12.74	91	331376	0.914 ppbv		93
59) m/p-Xylene	13.03	91	318379	0.982 ppbv	#	31
60) o-Xylene	13.73	91	325169	1.005 ppbv		98
61) Styrene	13.56	104	173737	0.870 ppbv		98
62) Isopropylbenzene	14.71	105	502026	1.047 ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.71	83	155482	0.575 ppbv	#	24
64) n-propylbenzene	15.61	120	123493	0.995 ppbv		75
65) tert-Butylbenzene	16.79	119	455338	1.058 ppbv		98
66) Benzyl Chloride	17.03	91	98095	0.633 ppbv	#	67
67) sec-Butylbenzene	17.34	105	418009	0.667 ppbv	#	80
69) p-Isopropyltoluene	17.70	119	546686	1.104 ppbv		98
70) n-Butylbenzene	18.60	91	581369	1.107 ppbv		96
71) 2-Chlorotoluene	15.50	91	364340	1.004 ppbv		95
72) 4-Ethyltoluene	15.88	105	357175	0.977 ppbv		98
73) 1,3,5-Trimethylbenzene	16.04	105	356093	1.012 ppbv		90
74) 1,2,4-Trimethylbenzene	16.80	105	444626	1.138 ppbv		98
75) 1,3-Dichlorobenzene	17.04	146	150133	0.605 ppbv	#	27
76) 1,4-Dichlorobenzene	17.18	146	132698	0.576 ppbv	#	23
77) 1,2-Dichlorobenzene	17.86	146	114346	0.510 ppbv	#	22
78) Hexachloro-1,3-Butadiene	23.43	225	212083	1.209 ppbv		97
79) Naphthalene	22.27	128	308335	1.187 ppbv		98
80) Naphthalene,2-methyl-	25.02	142	92219	1.490 ppbv		99
81) 1,2,4-Trichlorobenzene	22.00	180	201128	1.227 ppbv		100

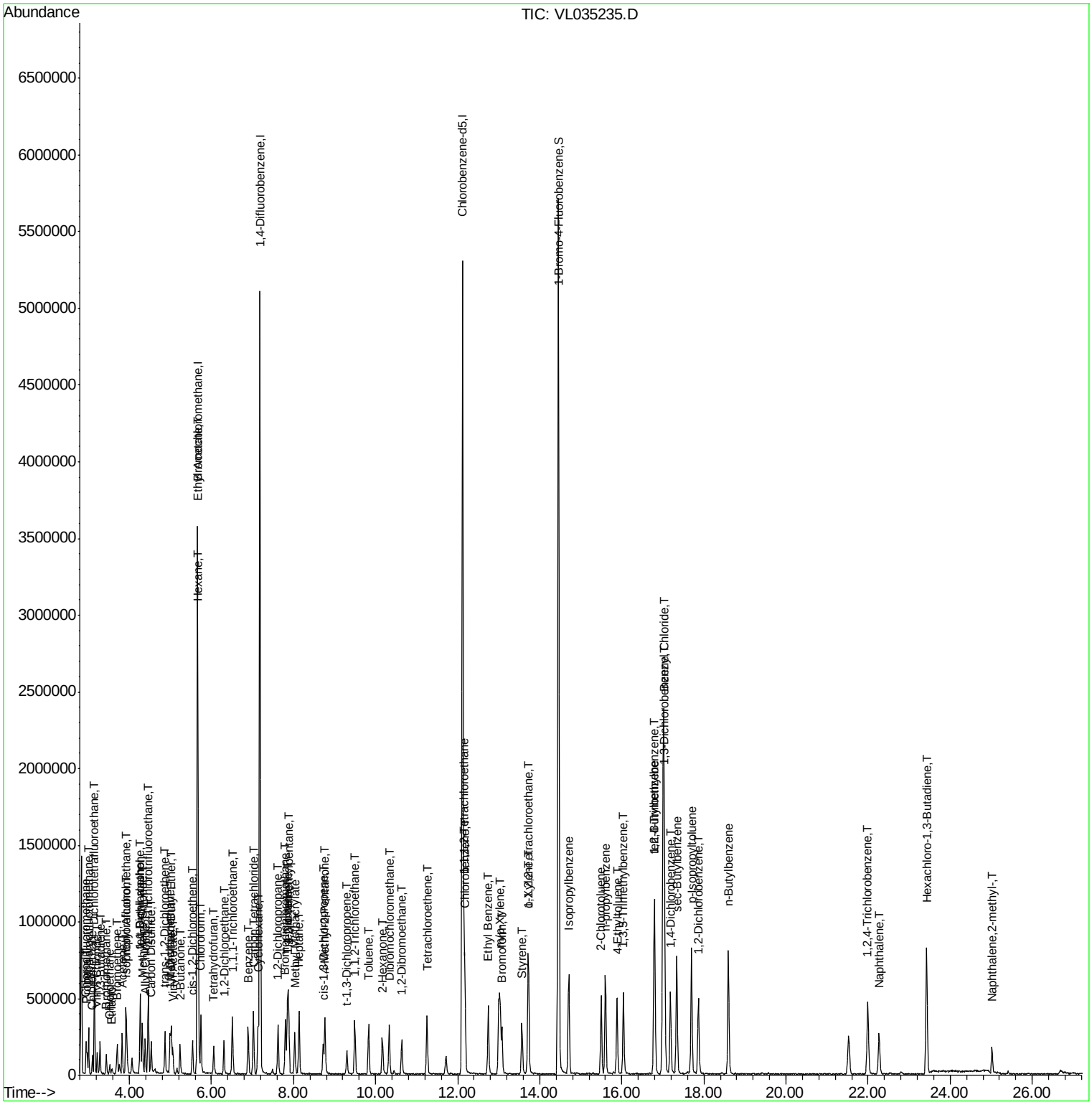
(#) = qualifier out of range (m) = manual integration (+) = signals summed

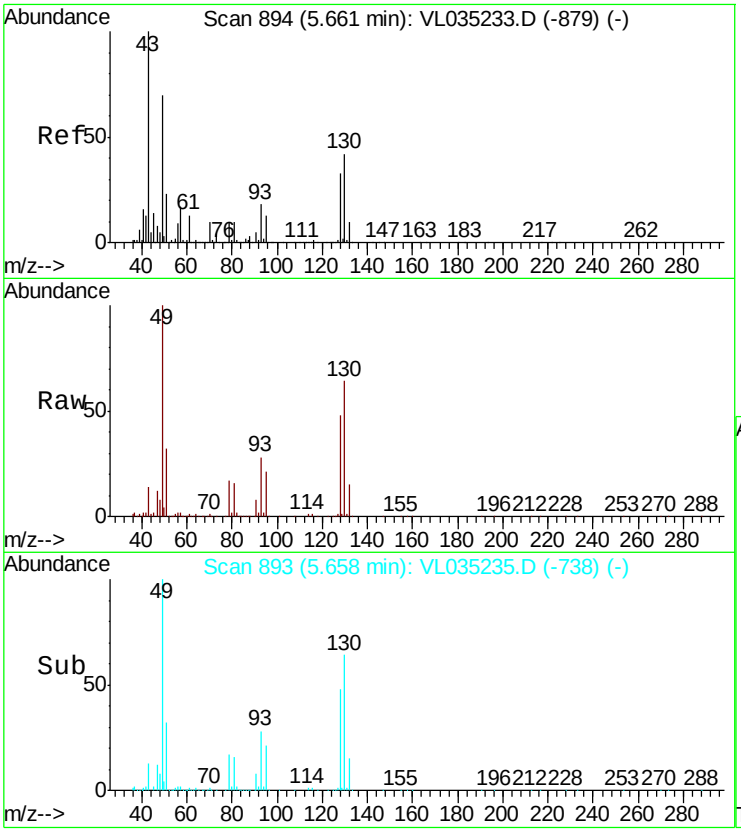
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035235.D
Acq On : 29 Jul 2020 4:02
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 29 06:00:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 03:31:38 2020
QLast Update : Wed Jul 29 03:31:38 2020
Response via : Initial Calibration



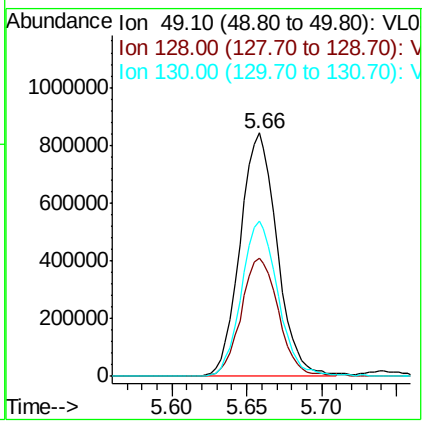


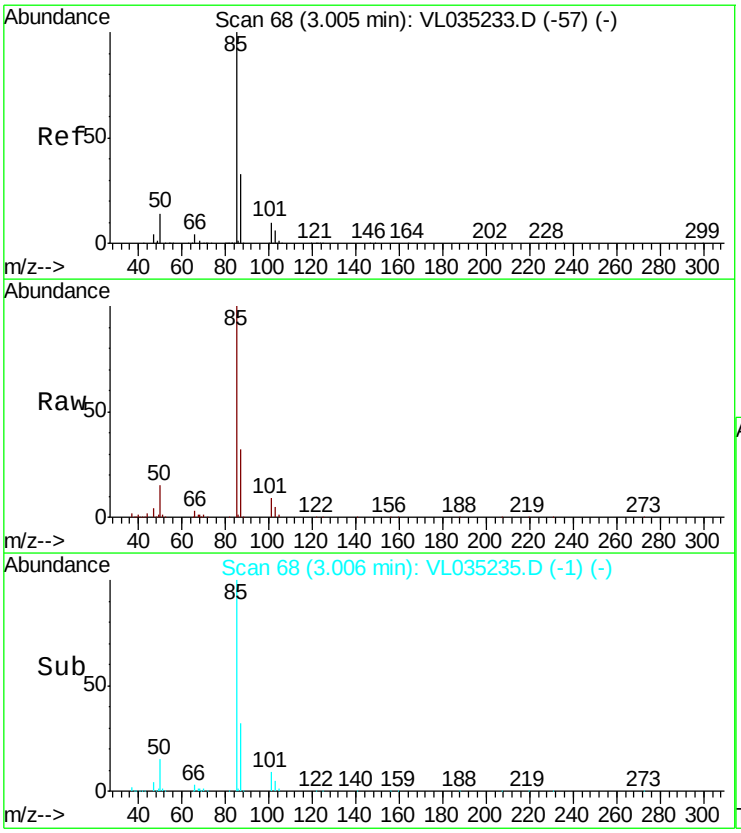
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1453866

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.0	72.0
130	63.2	30.7	92.1

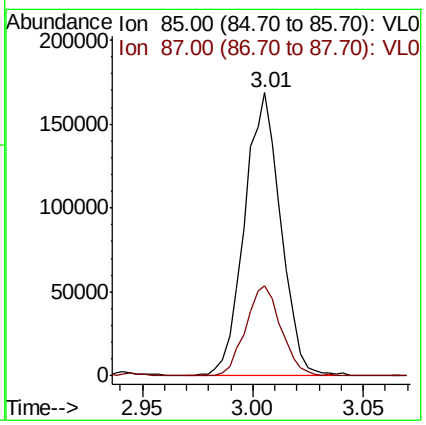


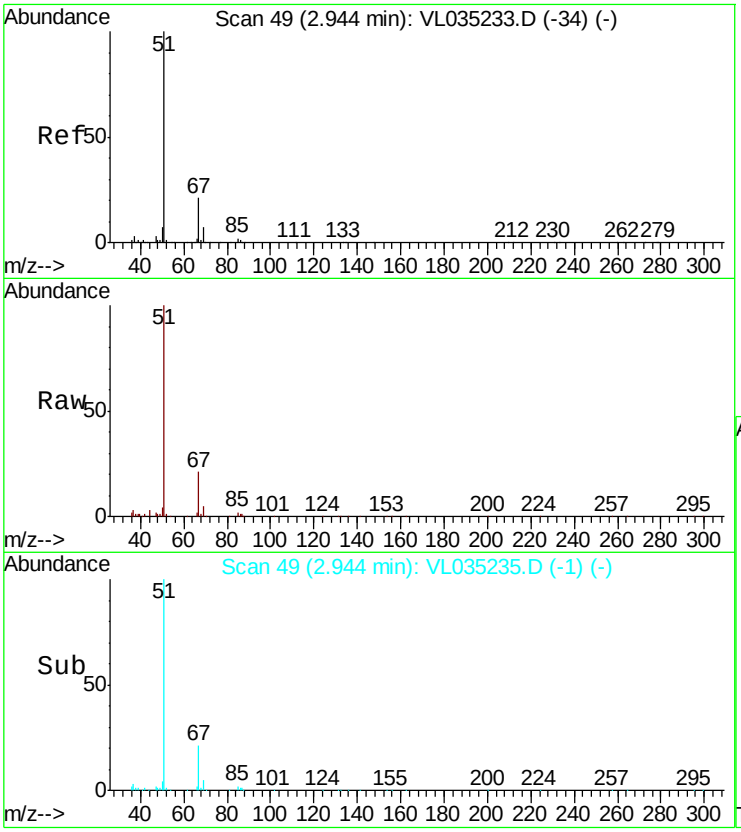


#2
Dichlorodifluoromethane
Concen: 0.964 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 85 Resp: 192757

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.7	40.1

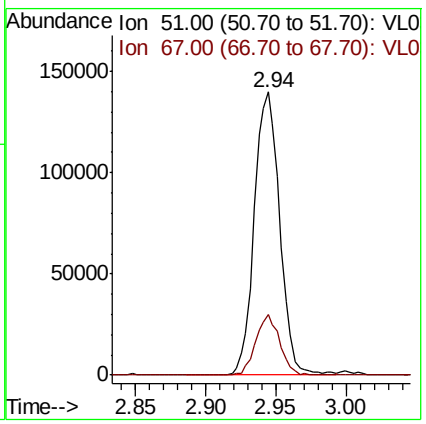




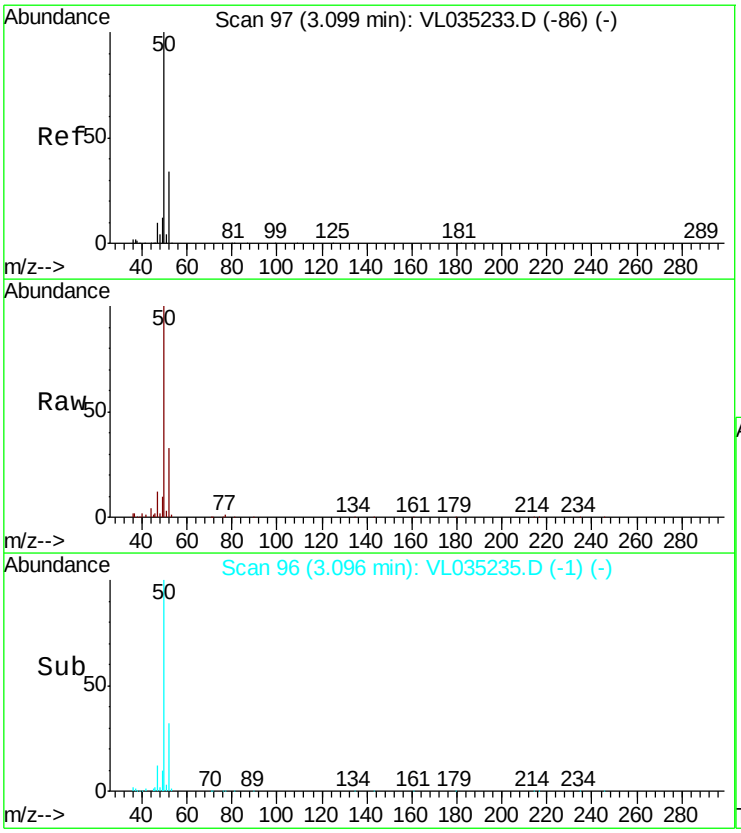
#3
Chlorodifluoromethane
Concen: 1.099 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 51 Resp: 176917

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.6	25.0



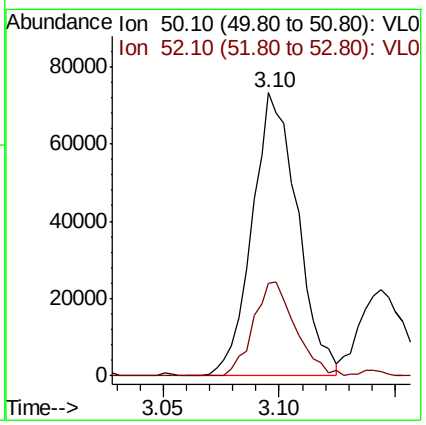
Instrument :
MSVOA_L
ClientSampleId :

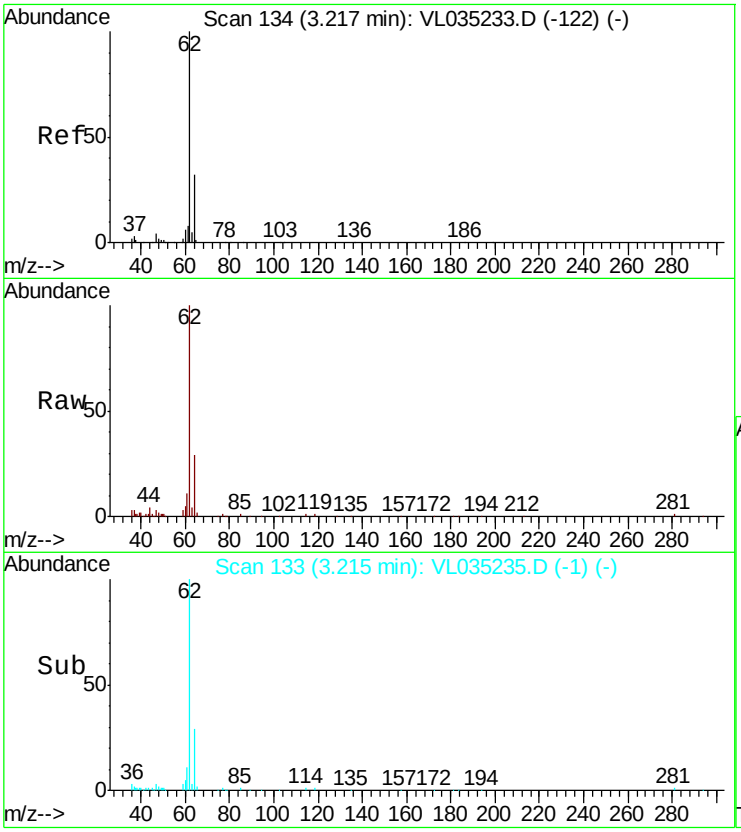


#4
Chloromethane
Concen: 1.091 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 50 Resp: 99181

Ion	Ratio	Lower	Upper
50	100		
52	32.7	27.1	40.7



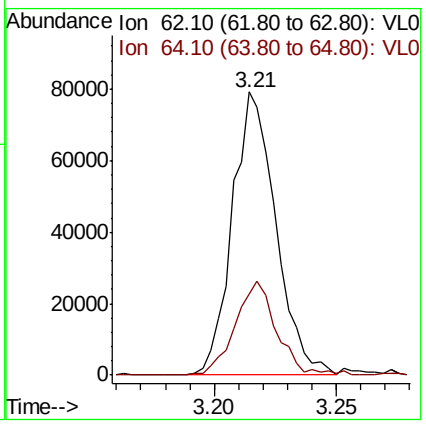


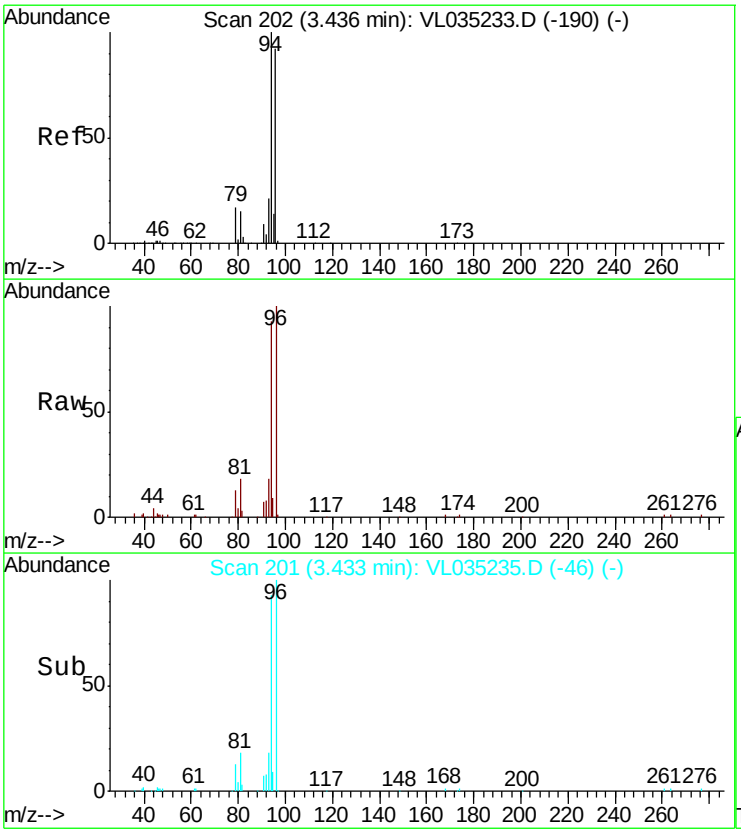
#5
Vinyl Chloride
Concen: 1.005 ppbv
RT: 3.21 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 97720

Ion	Ratio	Lower	Upper
62	100		
64	28.8	25.8	38.6

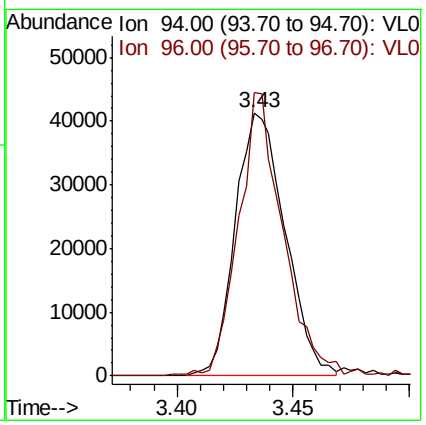


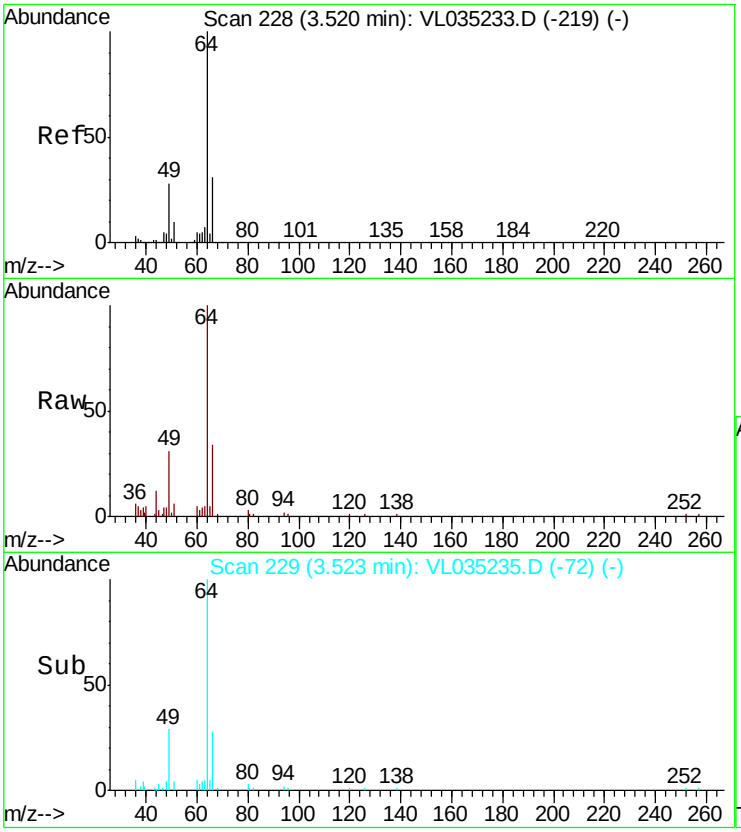


#6
Bromomethane
Concen: 1.117 ppbv
RT: 3.43 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 94 Resp: 61652

Ion	Ratio	Lower	Upper
94	100		
96	107.1	73.2	109.8



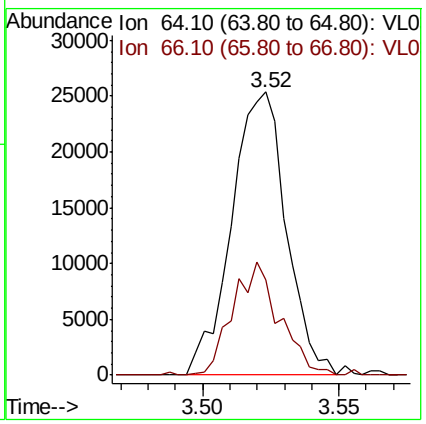


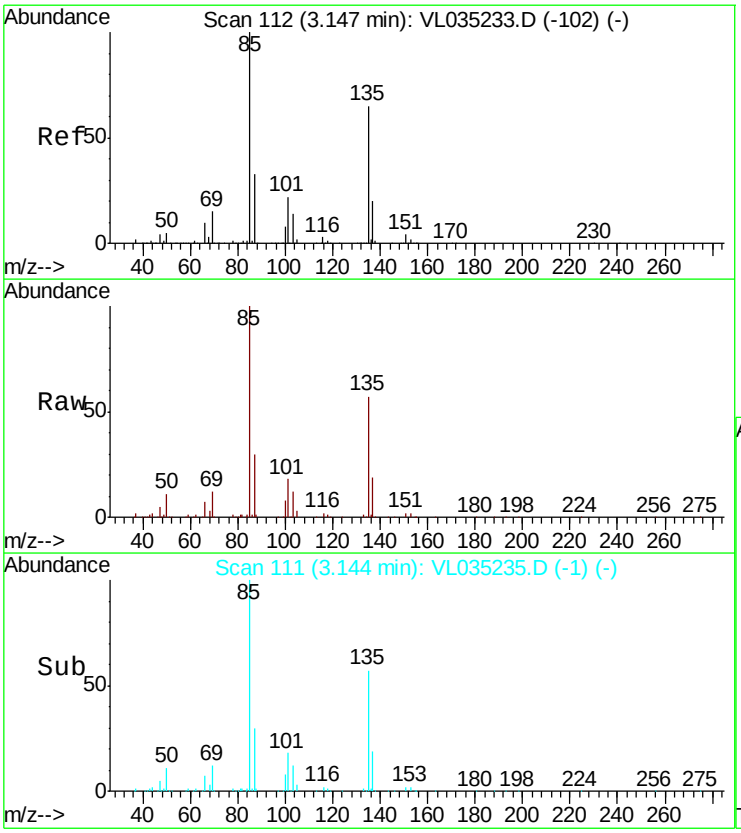
#7
Chloroethane
Concen: 1.026 ppbv
RT: 3.52 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 64 Resp: 35279

Ion	Ratio	Lower	Upper
64	100		
66	33.6	25.6	38.4

Instrument :
MSVOA_L
ClientSampleId :

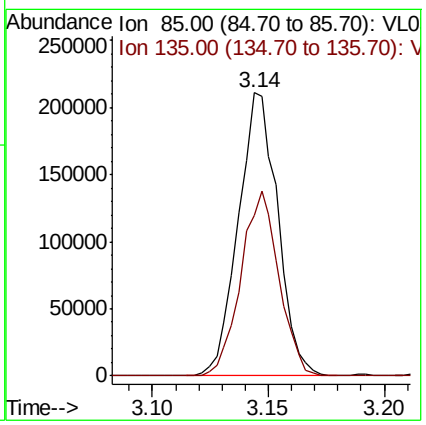


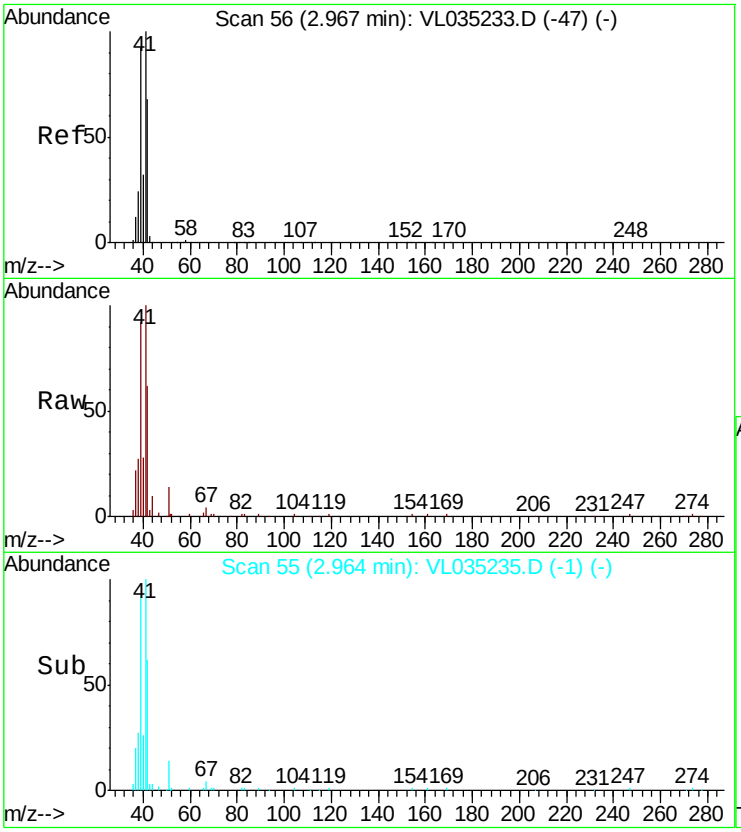


#8
Dichlorotetrafluoroethane
Concen: 1.112 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 85 Resp: 249508

Ion	Ratio	Lower	Upper
85	100		
135	63.3	51.4	77.0



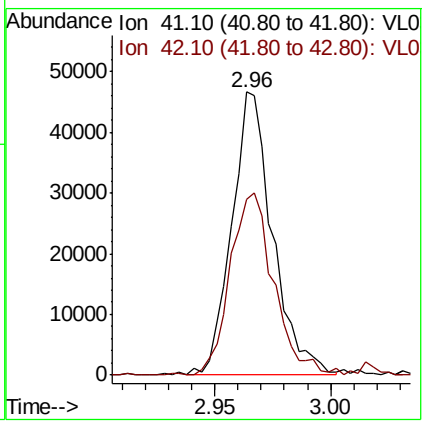


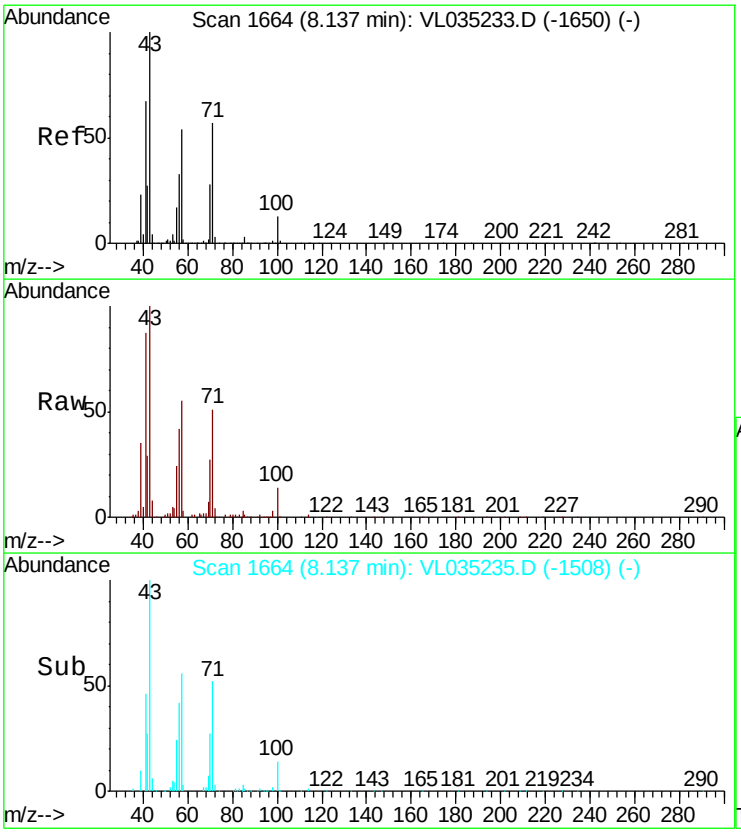
#9
Propene
Concen: 0.945 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 56998

Ion	Ratio	Lower	Upper
41	100		
42	70.6	55.0	82.6

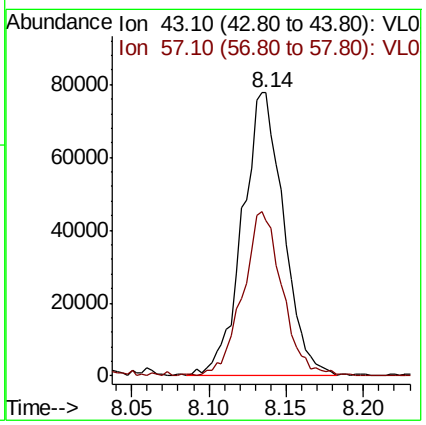


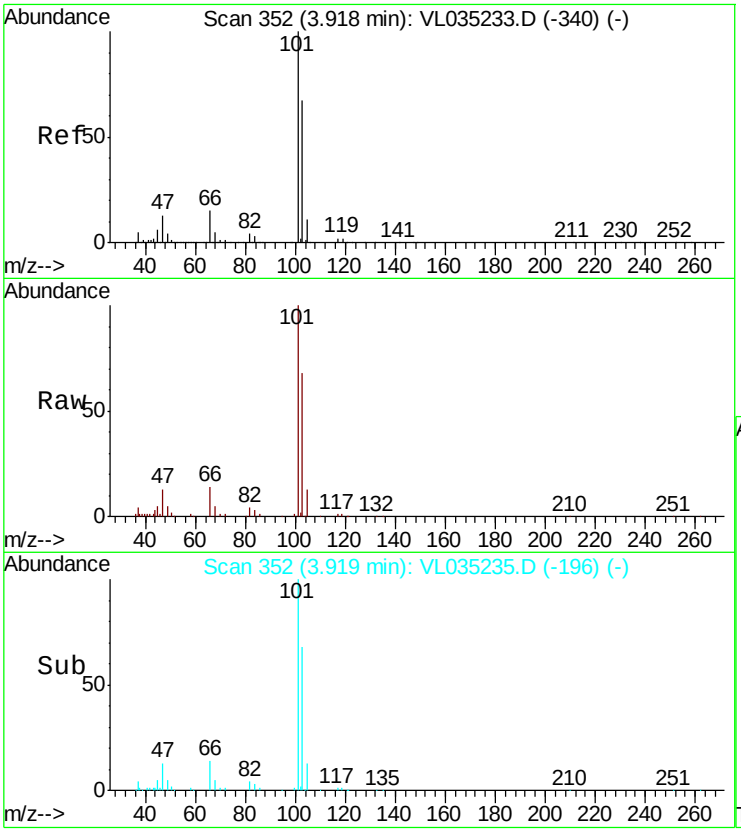


#10
Heptane
Concen: 0.924 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 43 Resp: 144750

Ion	Ratio	Lower	Upper
43	100		
57	55.9	43.0	64.4



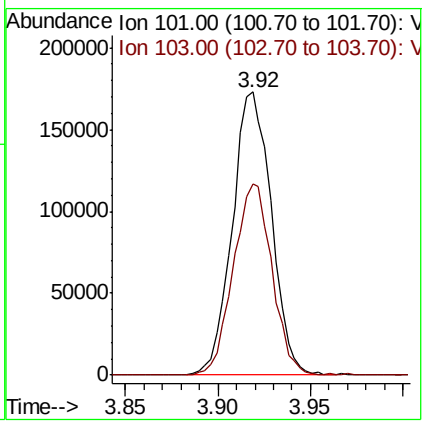


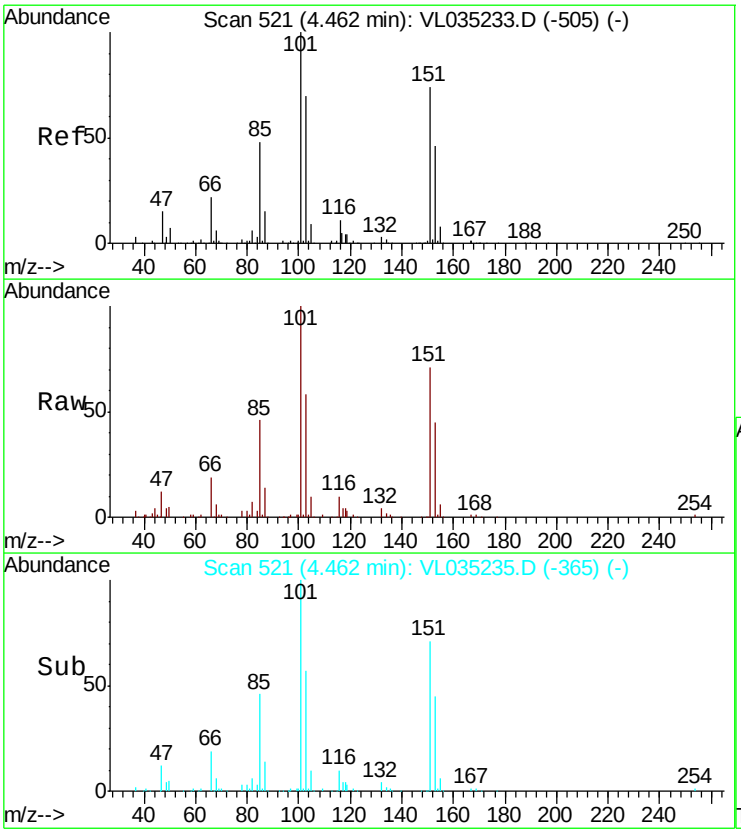
#11
Trichlorofluoromethane
Concen: 1.089 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 252326

Ion	Ratio	Lower	Upper
101	100		
103	67.7	53.4	80.0

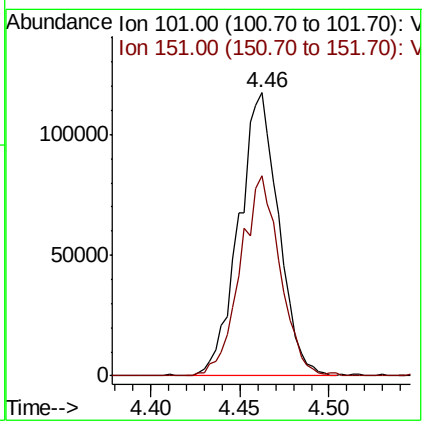


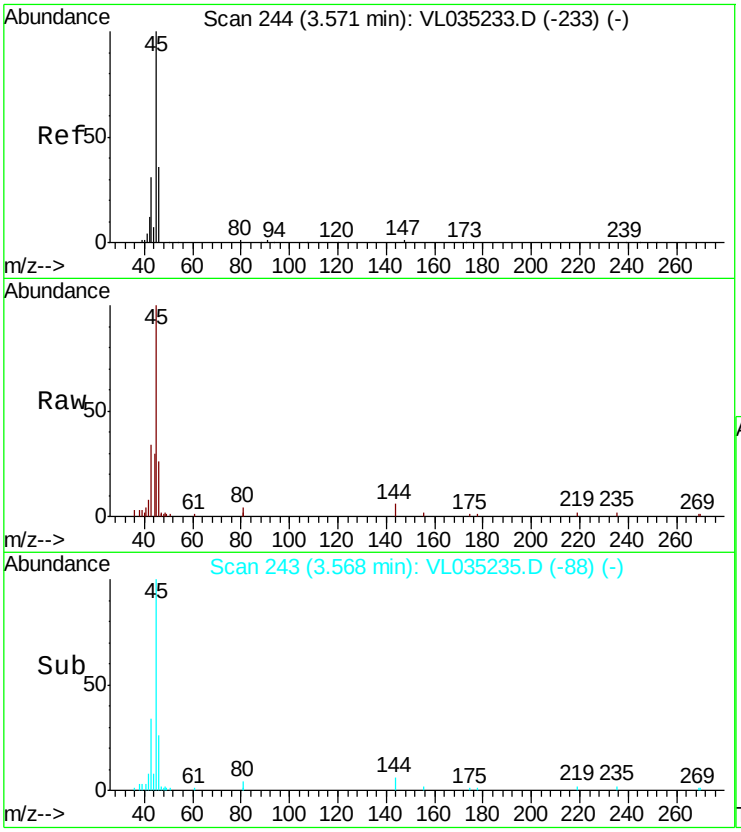


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.123 ppbv
RT: 4.46 min Scan# 521
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:101 Resp: 182814

Ion	Ratio	Lower	Upper
101	100		
151	70.4	56.6	85.0



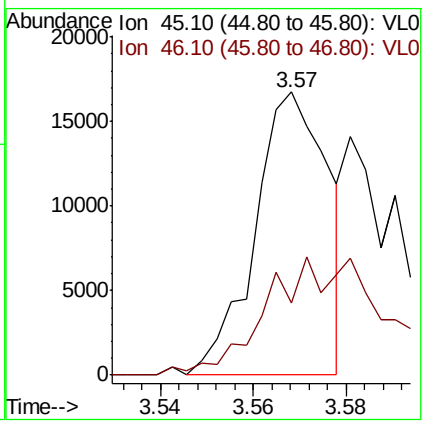


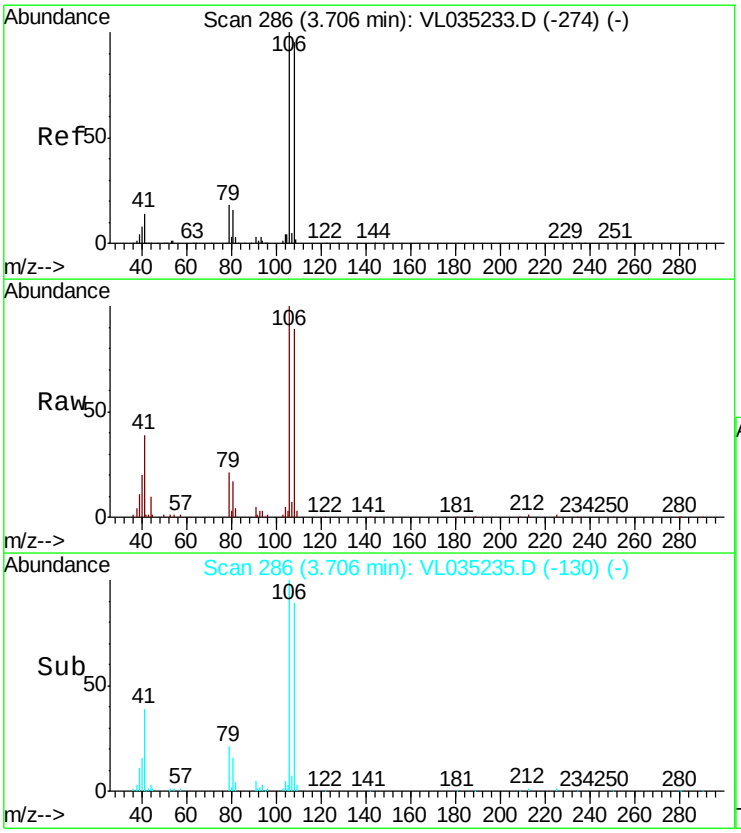
#13
Ethanol
Concen: 0.925 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 18309

Ion	Ratio	Lower	Upper
45	100		
46	75.4	15.8	63.4#

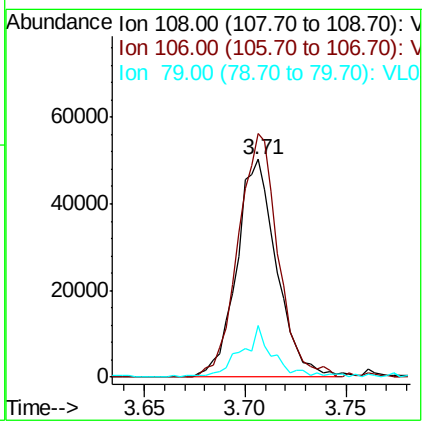


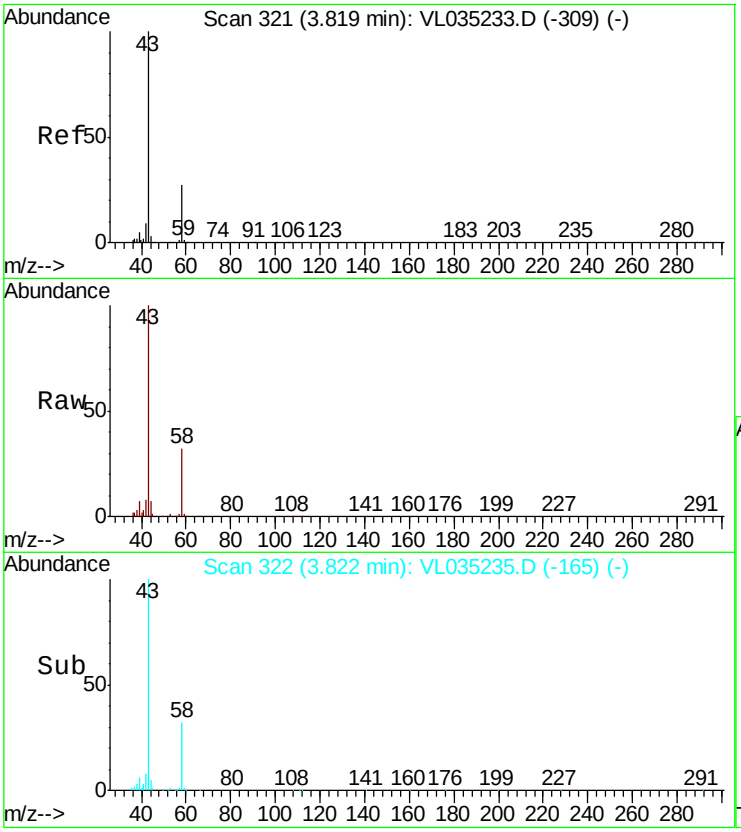


#14
Bromoethene
Concen: 1.048 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:108 Resp: 70037

Ion	Ratio	Lower	Upper
108	100		
106	111.5	85.0	127.6
79	19.5	15.4	23.2



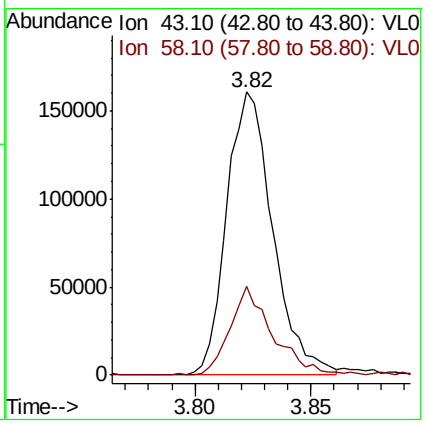


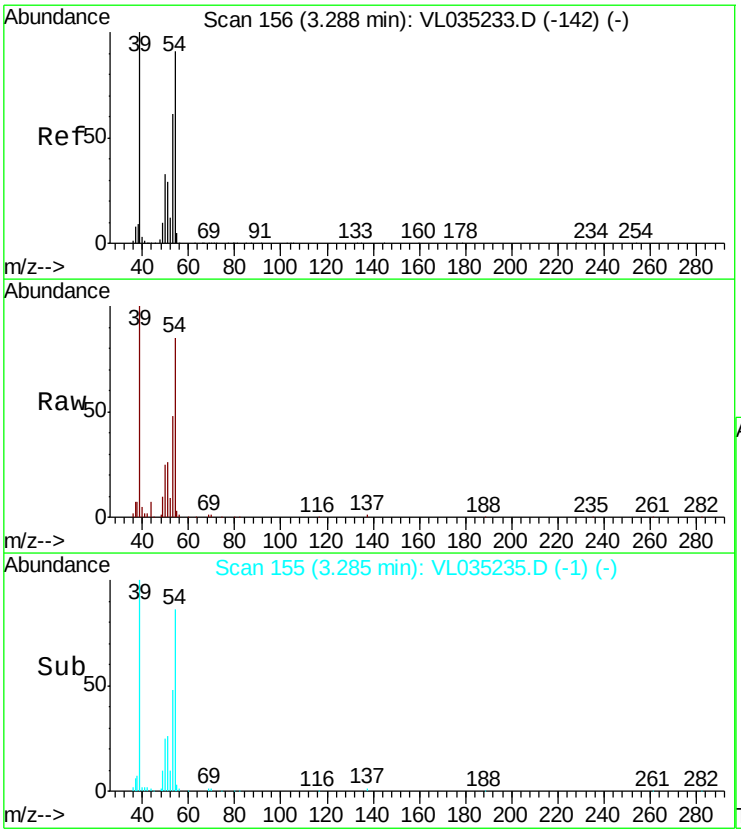
#15
Acetone
Concen: 1.123 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 221910

Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.8	32.6

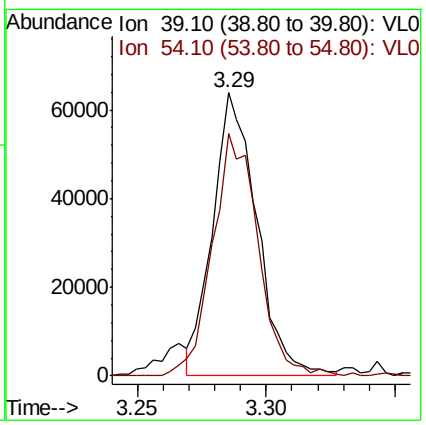


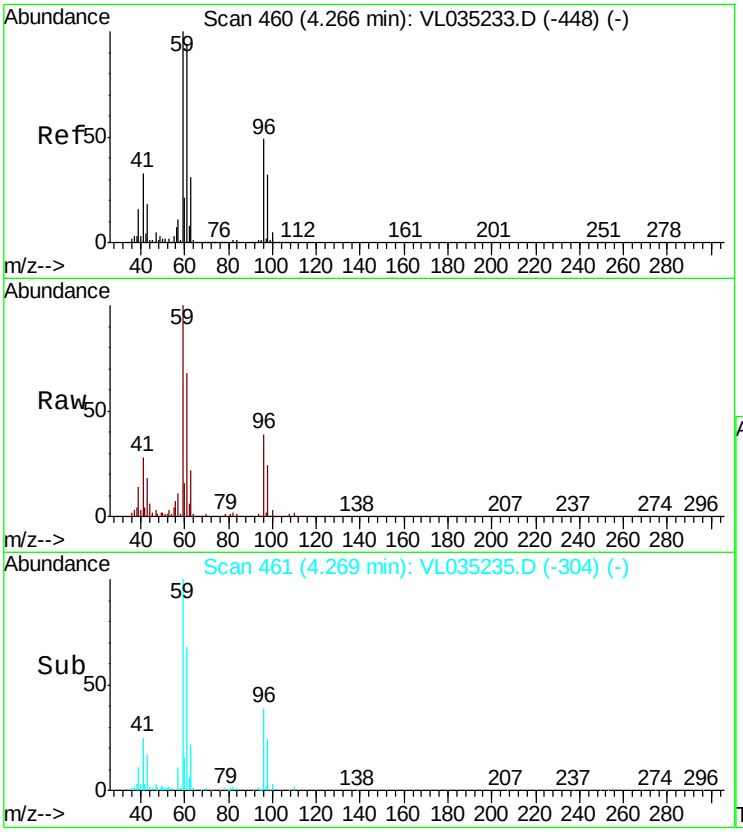


#16
1,3-Butadiene
Concen: 1.005 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 39 Resp: 76105

Ion	Ratio	Lower	Upper
39	100		
54	88.6	68.2	102.2



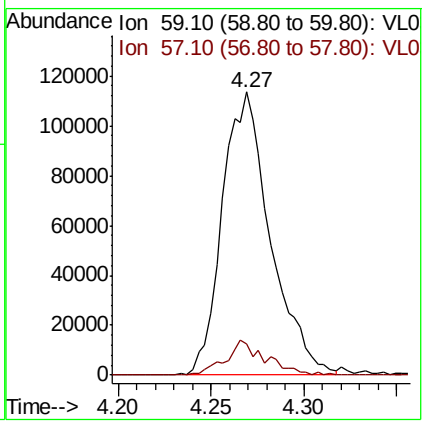


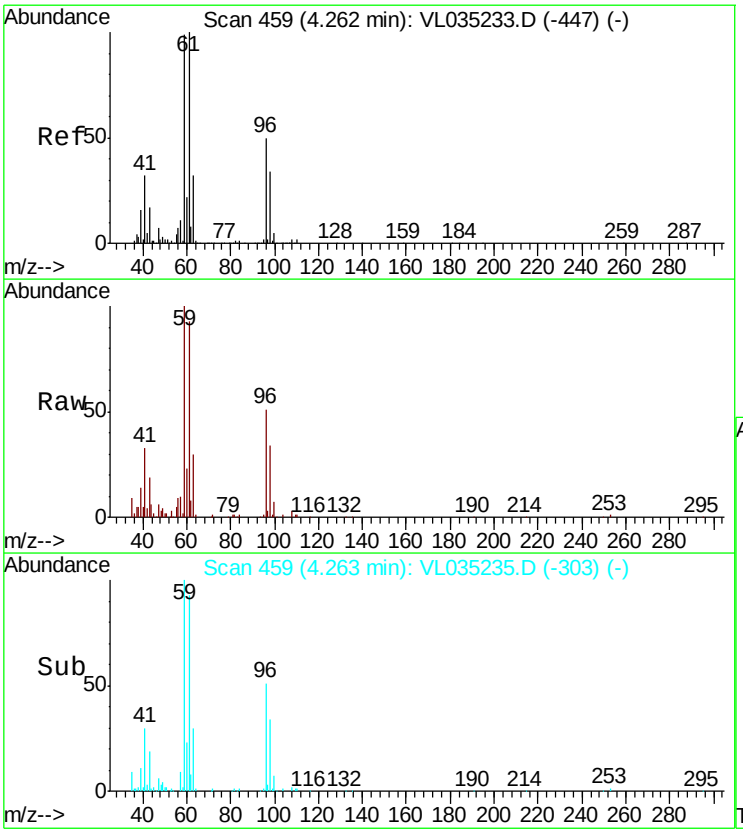
#17
tert-Butyl alcohol
Concen: 1.158 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 204316

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

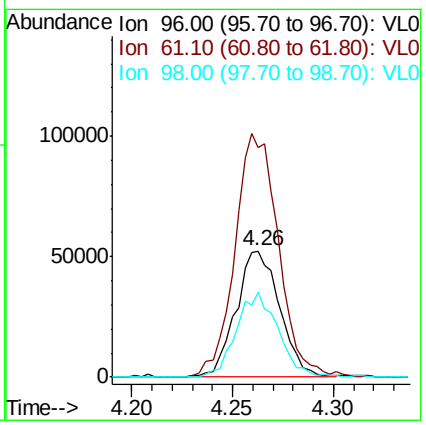


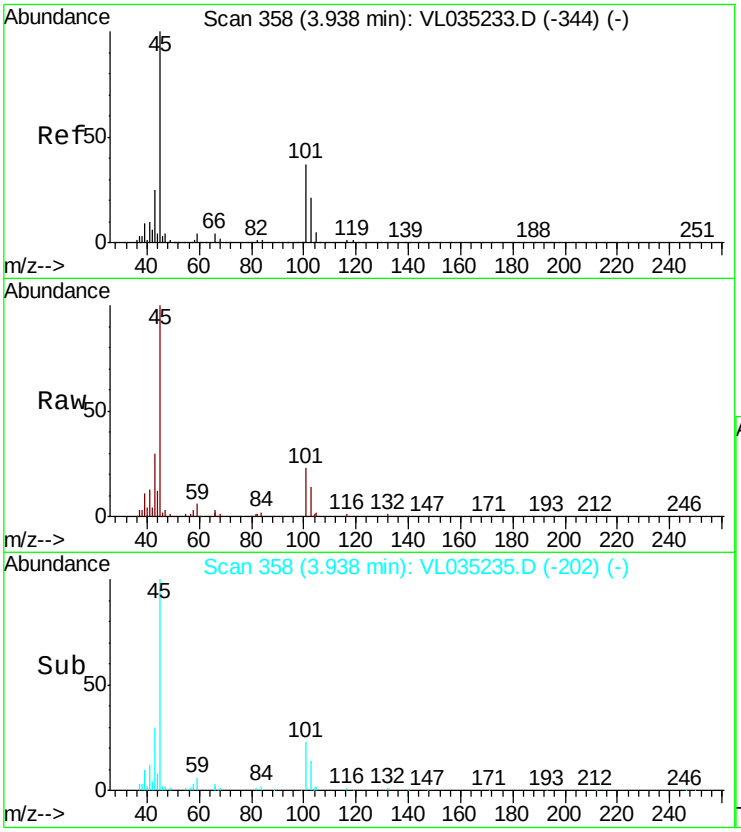


#18
1,1-Dichloroethene
Concen: 1.104 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 96 Resp: 79682

Ion	Ratio	Lower	Upper
96	100		
61	181.6	159.4	239.2
98	67.5	53.9	80.9



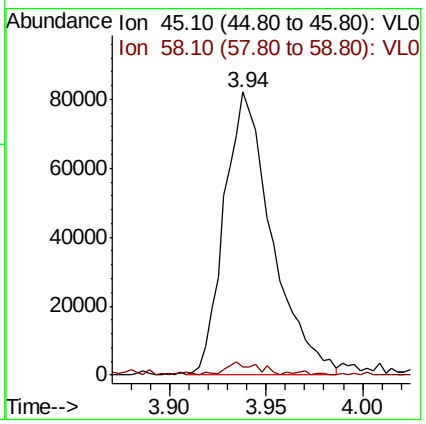


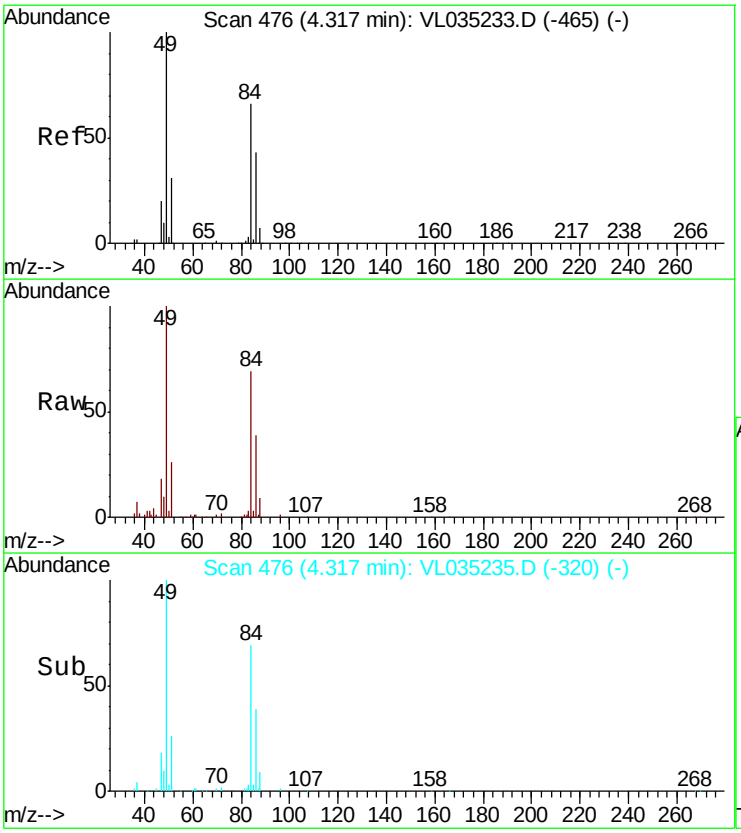
#19
Isopropyl Alcohol
Concen: 1.170 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 140975

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.9	2.9#

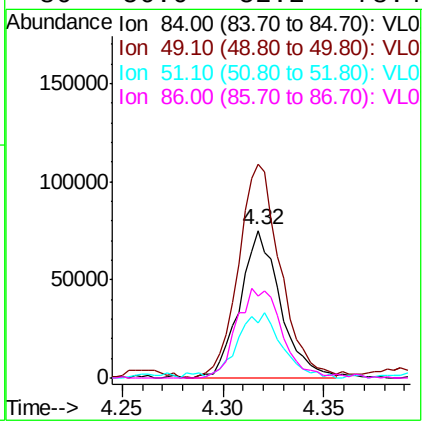


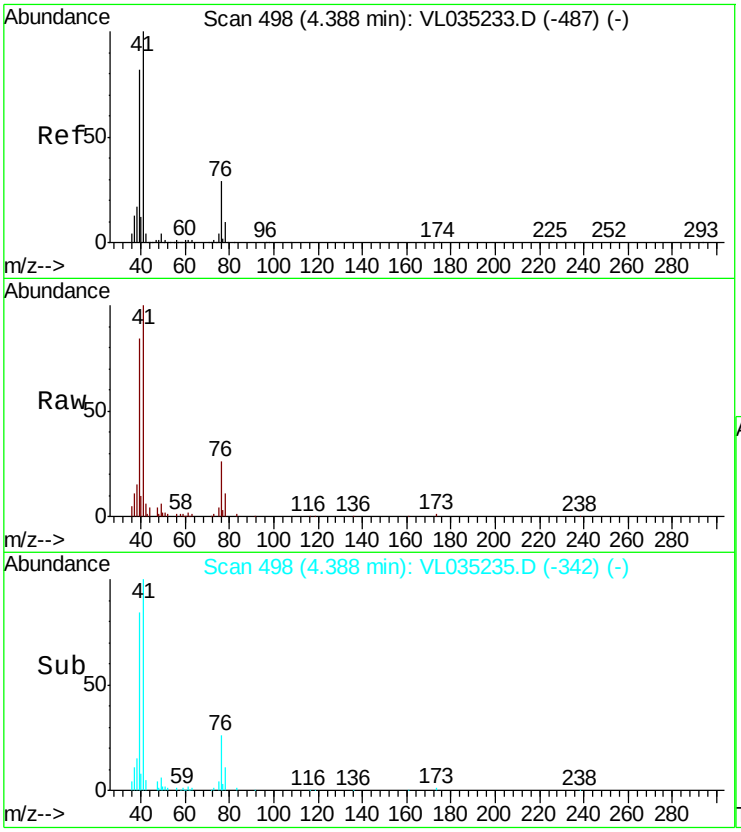


#20
Methylene Chloride
Concen: 1.223 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 84 Resp: 105692

Ion	Ratio	Lower	Upper
84	100		
49	141.7	121.0	181.4
51	37.1	37.7	56.5#
86	56.0	52.2	78.4



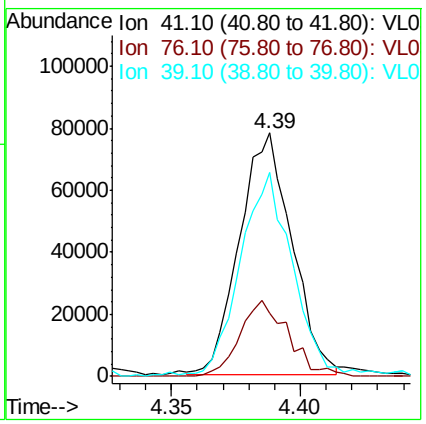


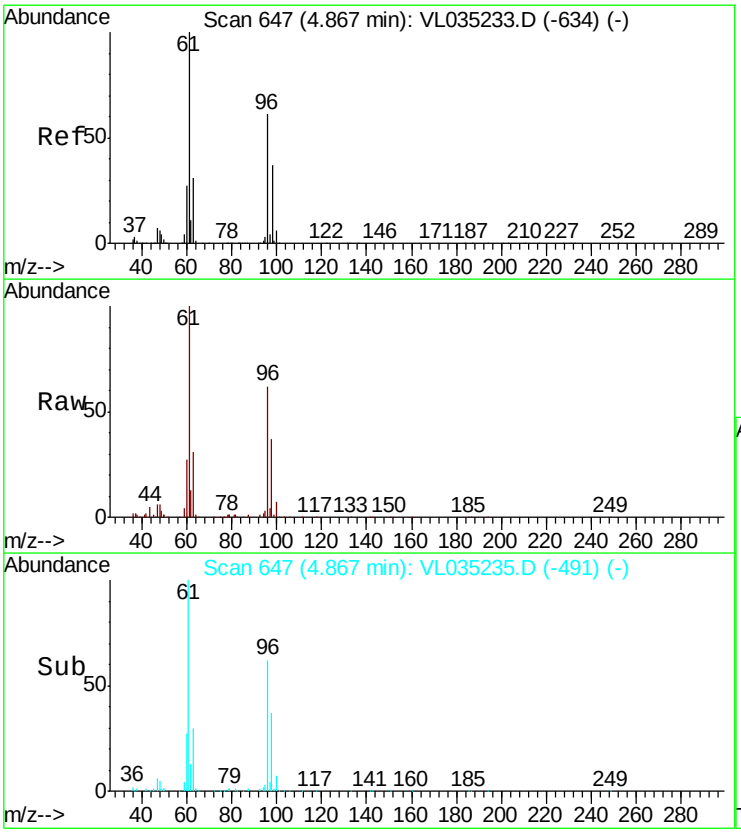
#21
Allvl Chloride
Concen: 0.958 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 110282

Ion	Ratio	Lower	Upper
41	100		
76	29.3	24.4	36.6
39	85.3	63.8	95.8

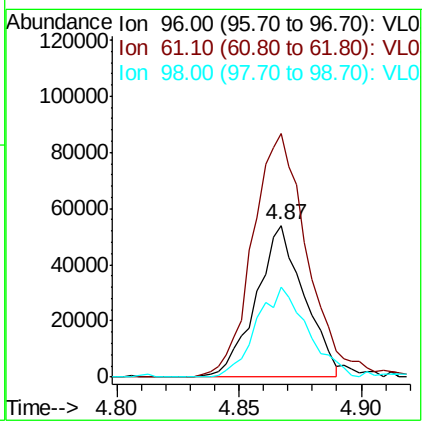


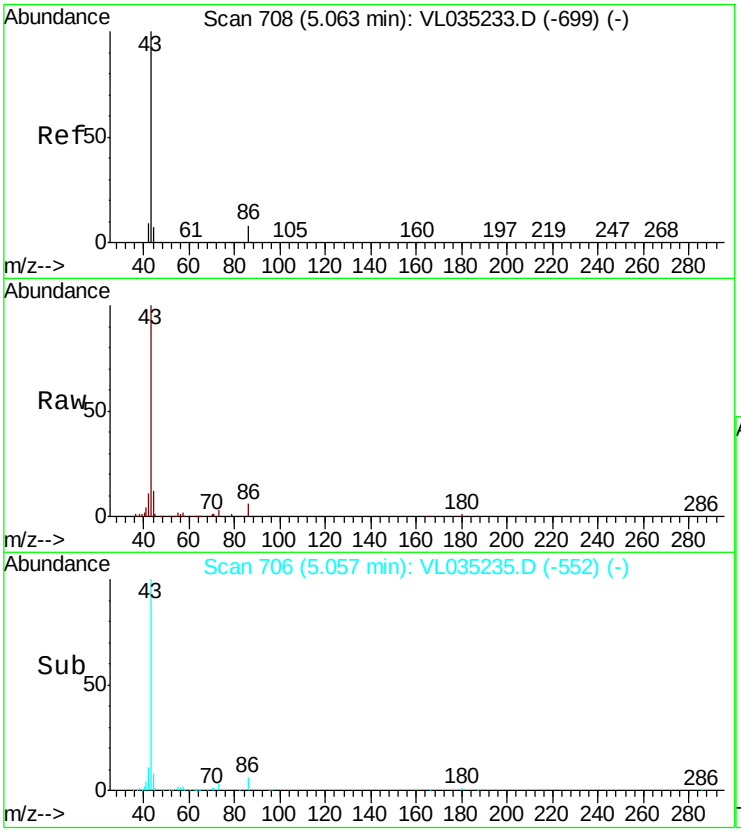


#22
trans-1,2-Dichloroethene
Concen: 1.028 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 96 Resp: 73677

Ion	Ratio	Lower	Upper
96	100		
61	160.8	131.6	197.4
98	61.3	49.0	73.4



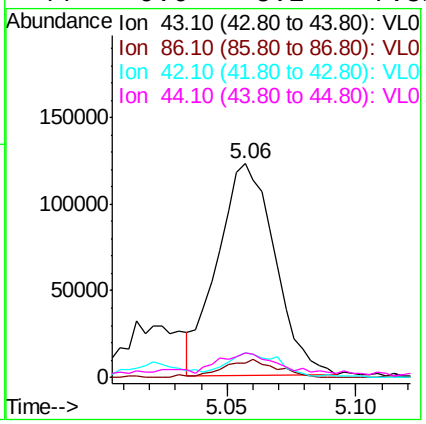


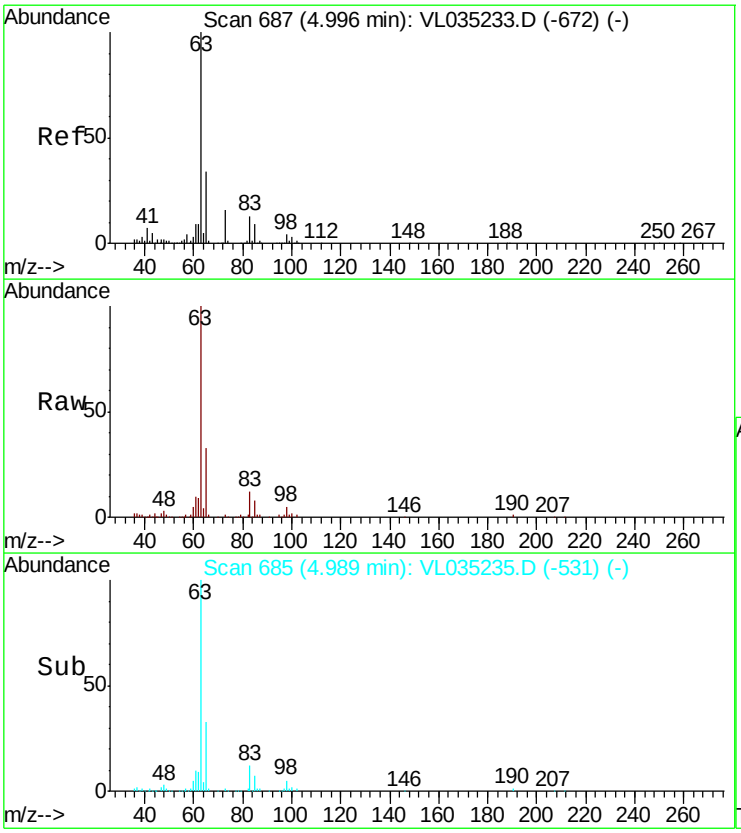
#23
Vinyl Acetate
Concen: 0.899 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 189991

Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.2	9.2
42	10.5	8.0	12.0
44	9.6	5.2	7.8#

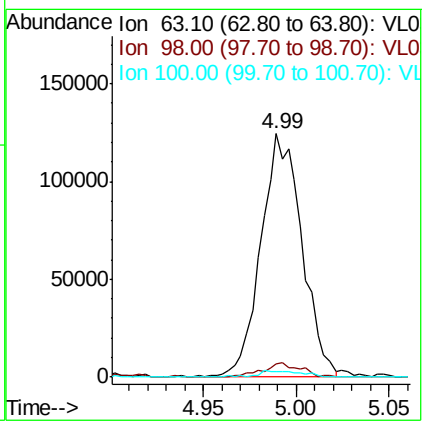


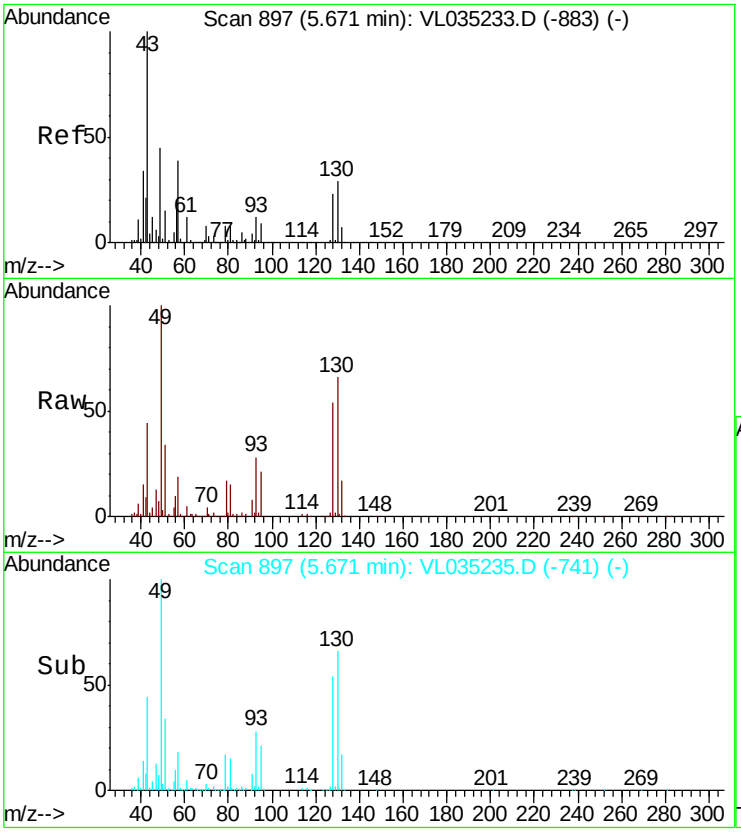


#24
1,1-Dichloroethane
Concen: 1.039 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 63 Resp: 190609

Ion	Ratio	Lower	Upper
63	100		
98	5.2	1.9	5.7
100	2.4	1.4	4.2



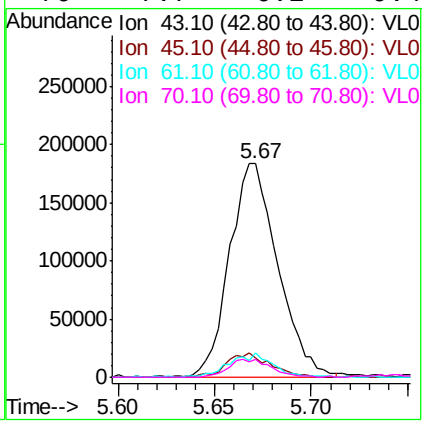


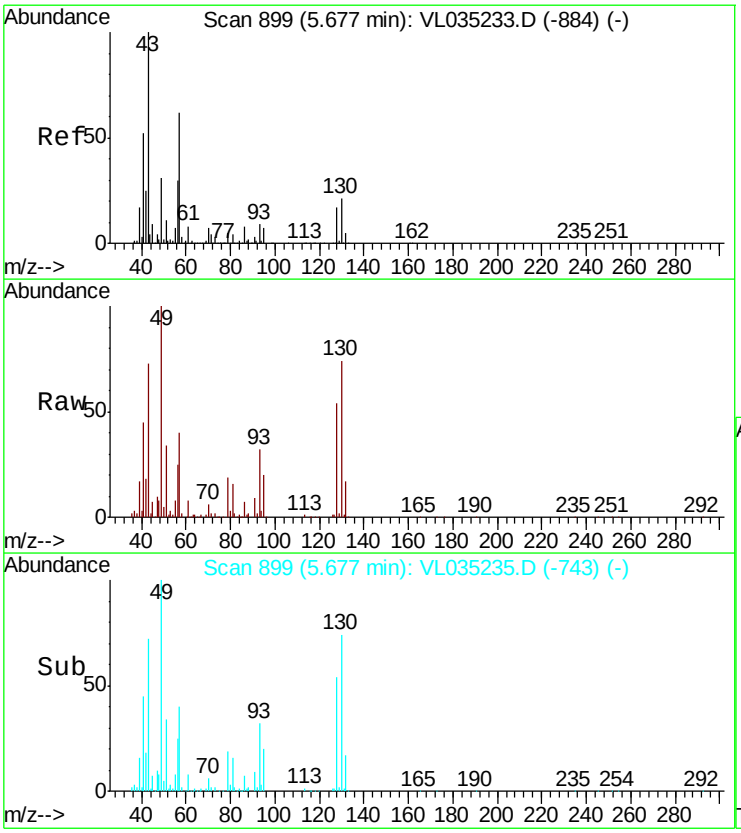
#25
Ethyl Acetate
Concen: 1.042 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 318875

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.5	8.1	12.1
70	7.7	6.2	9.4

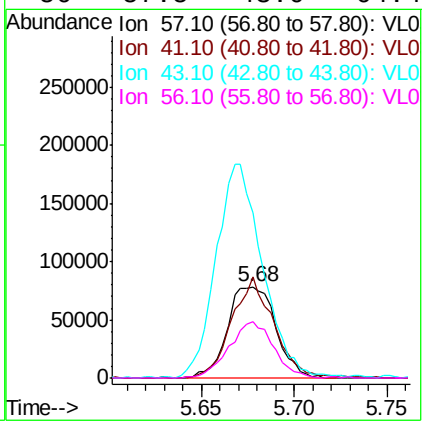


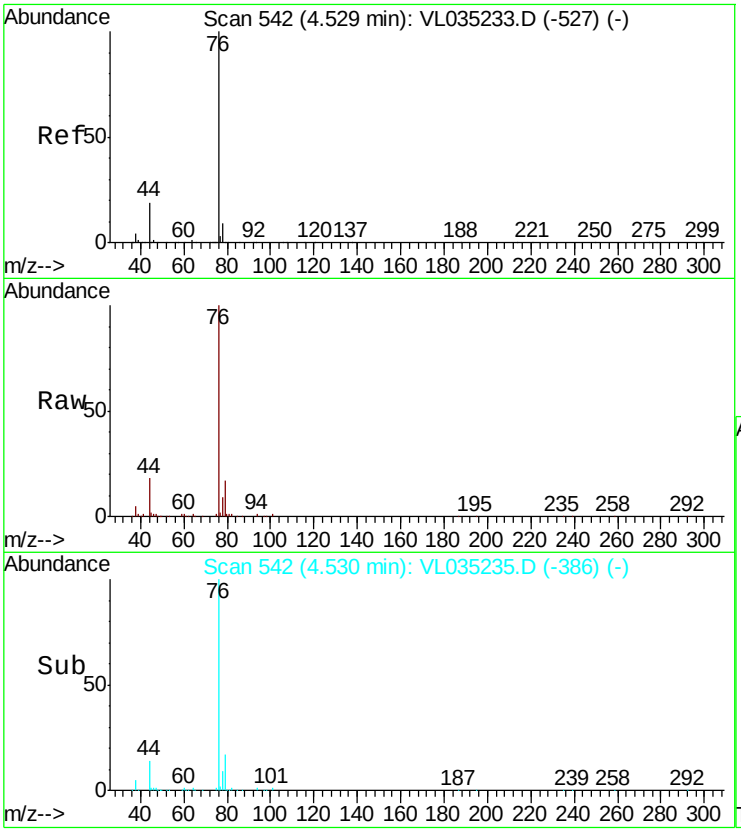


#26
Hexane
Concen: 1.048 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 57 Resp: 141797

Ion	Ratio	Lower	Upper
57	100		
41	98.0	73.9	110.9
43	225.1	177.6	266.4
56	57.5	43.0	64.4



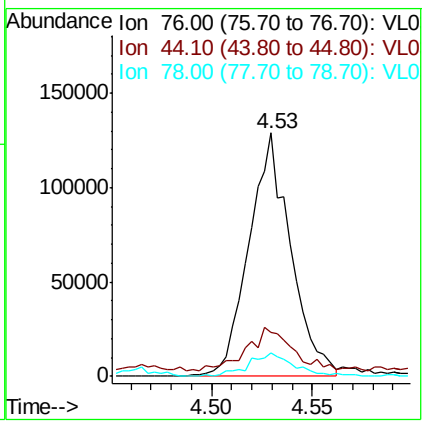


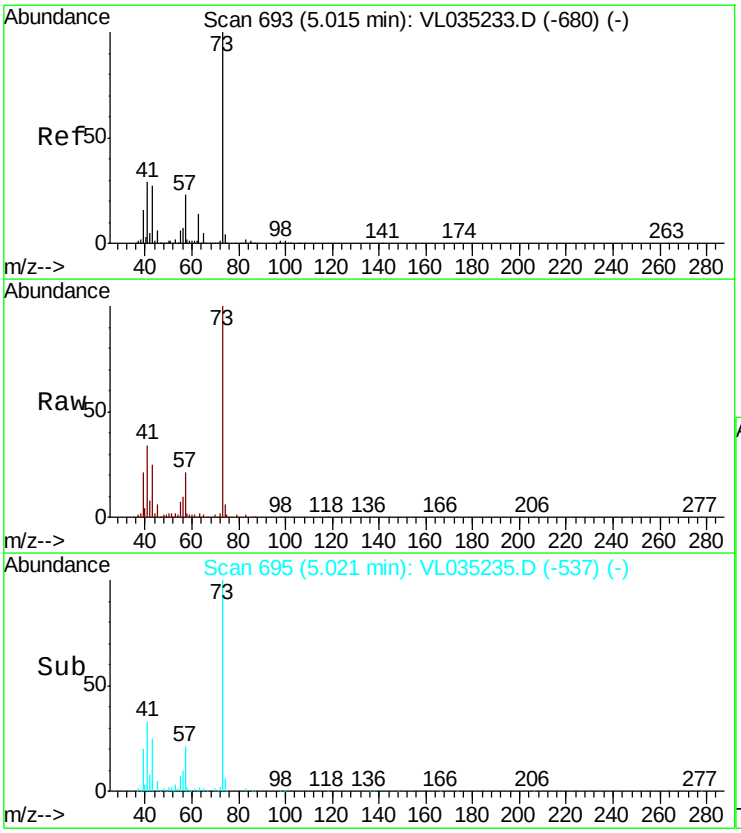
#27
Carbon Disulfide
Concen: 0.990 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 186374

Ion	Ratio	Lower	Upper
76	100		
44	21.2	14.7	22.1
78	11.1	7.6	11.4

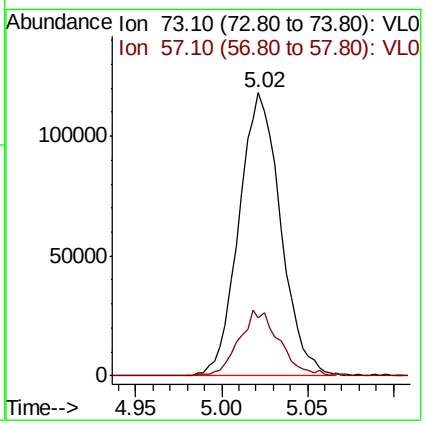


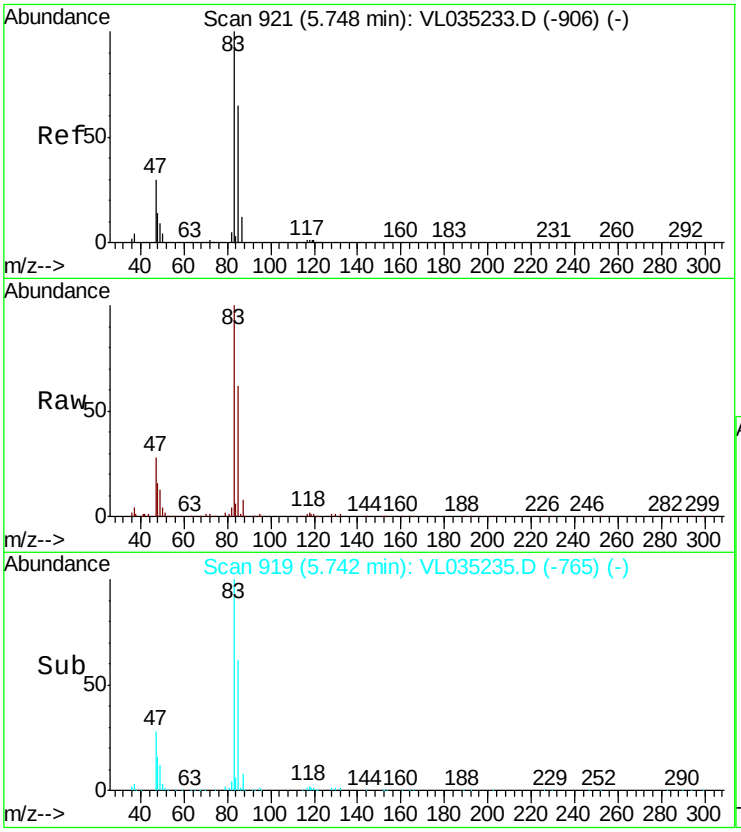


#28
Methyl tert-Butyl Ether
Concen: 0.967 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 73 Resp: 198578

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.2	27.4



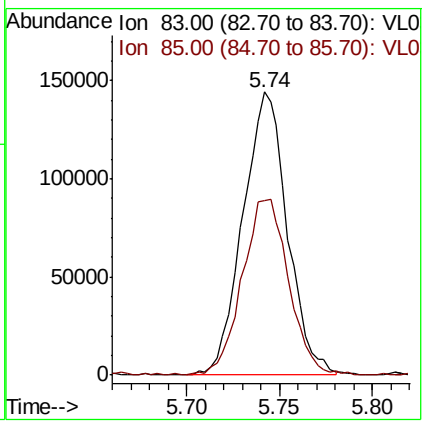


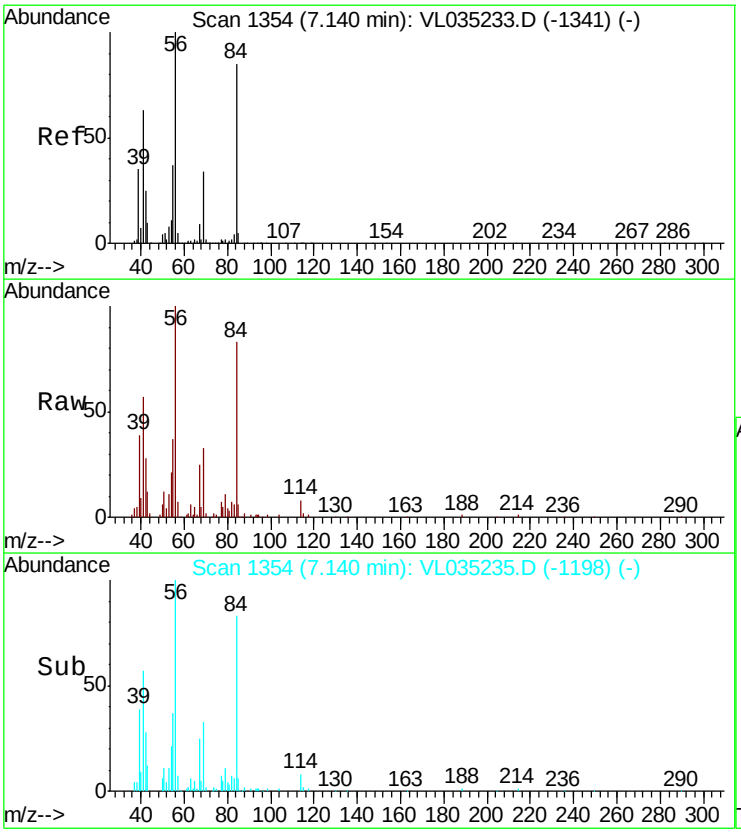
#29
Chloroform
Concen: 1.060 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 240968

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.7	77.5

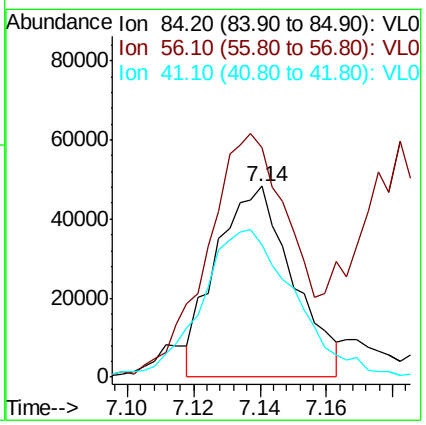


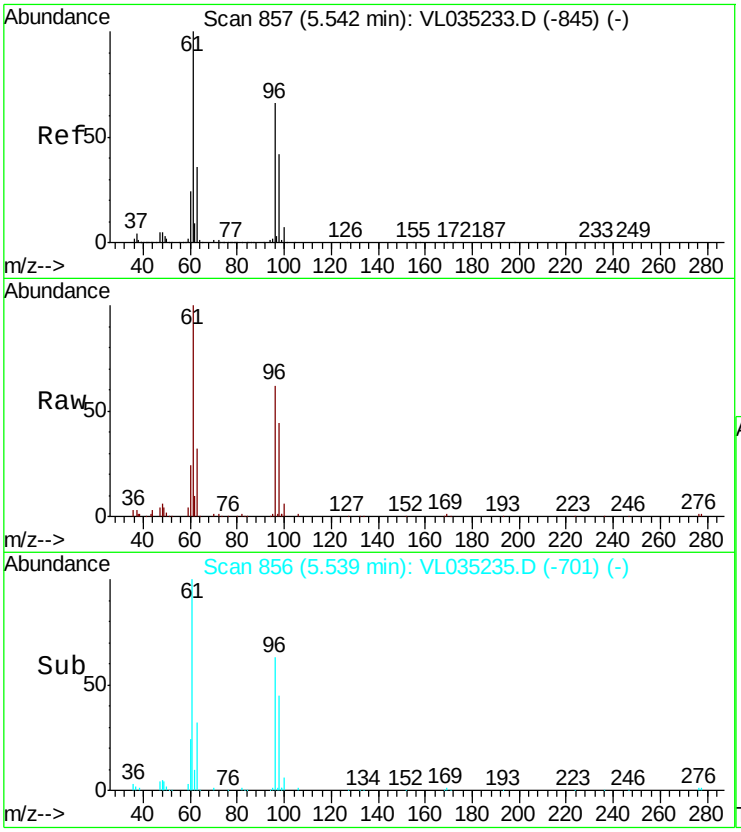


#30
Cyclohexane
Concen: 0.774 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 84 Resp: 77335

Ion	Ratio	Lower	Upper
84	100		
56	139.5	104.2	156.2
41	96.7	63.7	95.5#



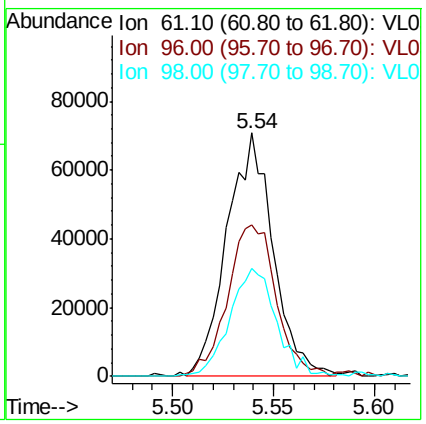


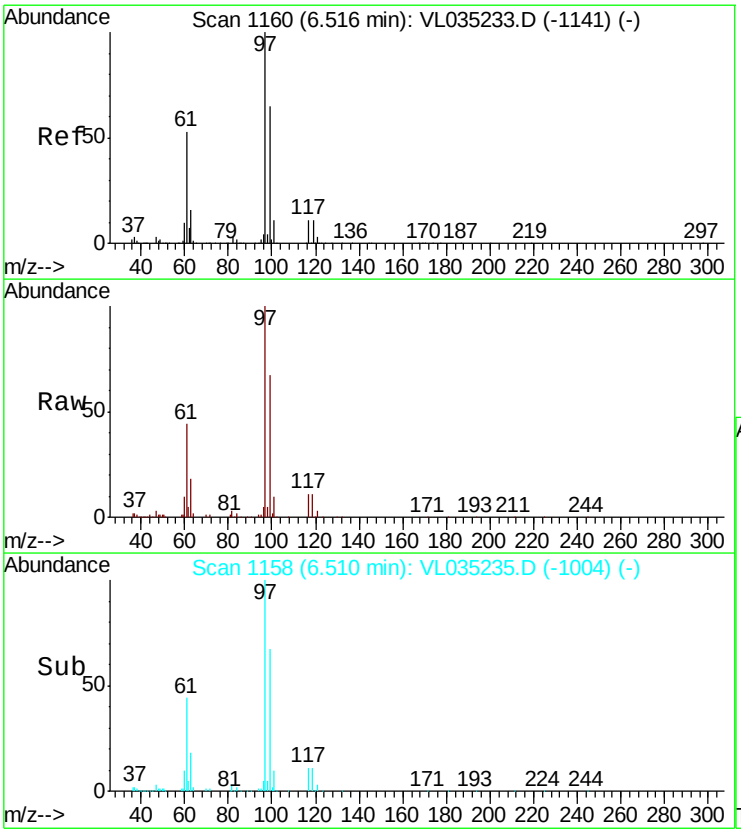
#31
cis-1,2-Dichloroethene
Concen: 0.891 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 113322

Ion	Ratio	Lower	Upper
61	100		
96	61.1	52.6	78.8
98	44.1	33.7	50.5

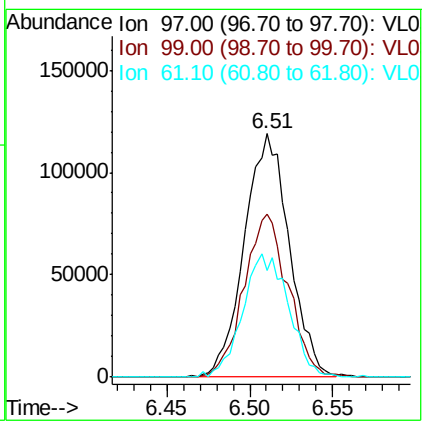


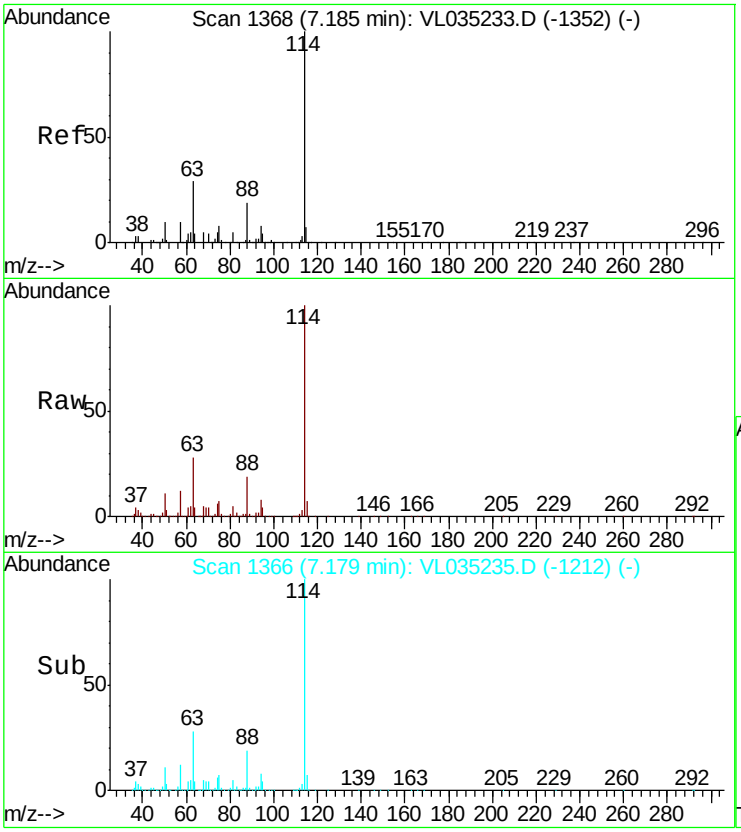


#32
1,1,1-Trichloroethane
Concen: 0.986 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 97 Resp: 224166

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.0
61	51.5	40.4	60.6



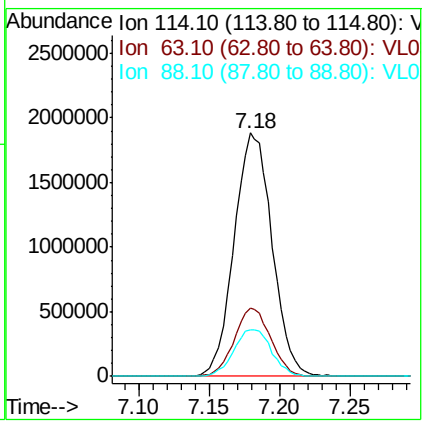


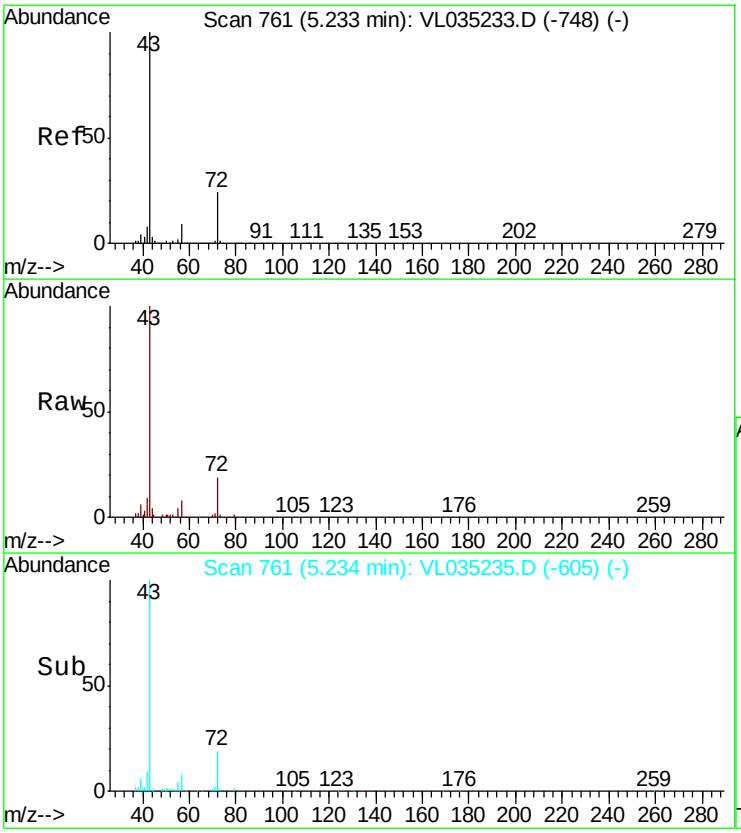
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3547552

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	19.1	15.4	23.0

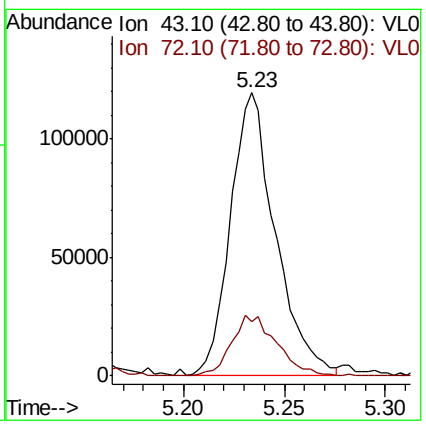


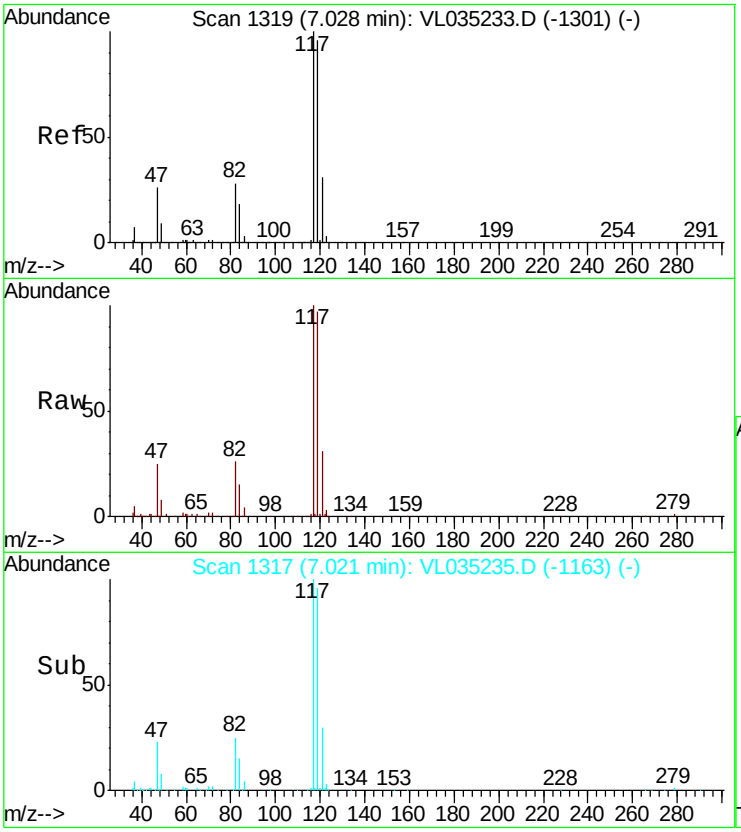


#34
2-Butanone
Concen: 0.978 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 43 Resp: 185079

Ion	Ratio	Lower	Upper
43	100		
72	21.6	19.2	28.8



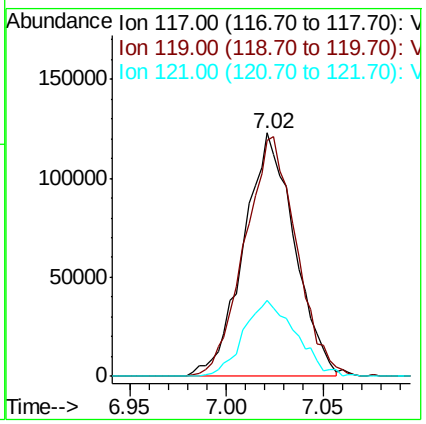


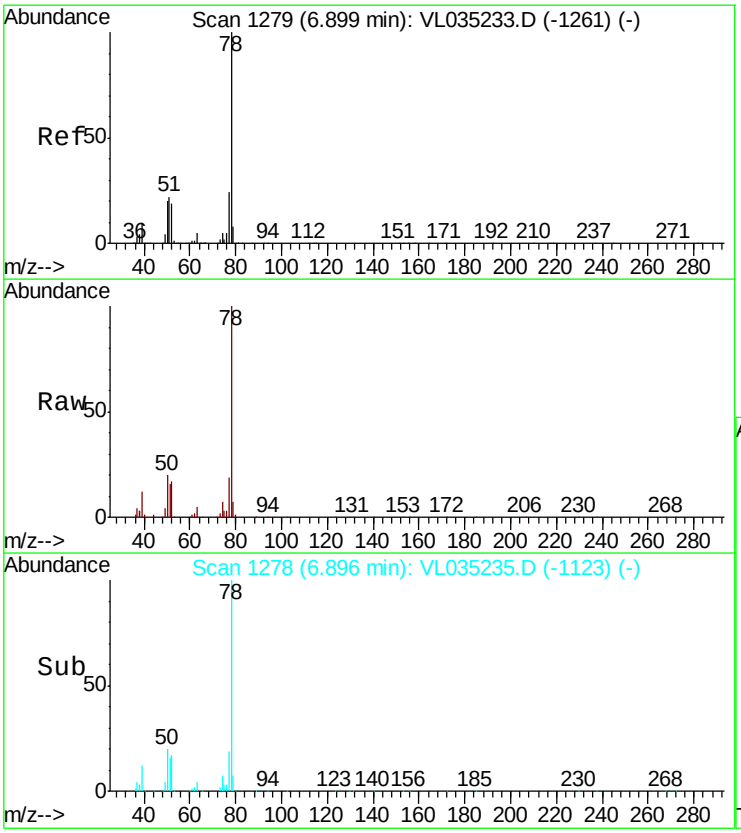
#35
Carbon Tetrachloride
Concen: 0.968 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 224367

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	30.5	24.5	36.7

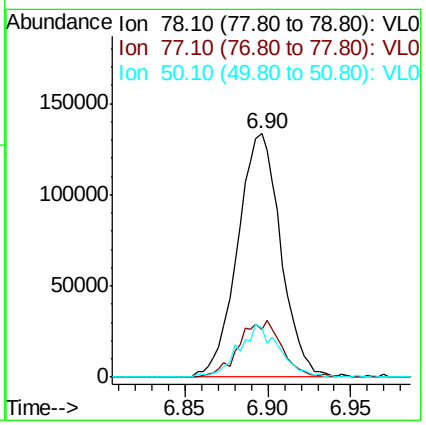


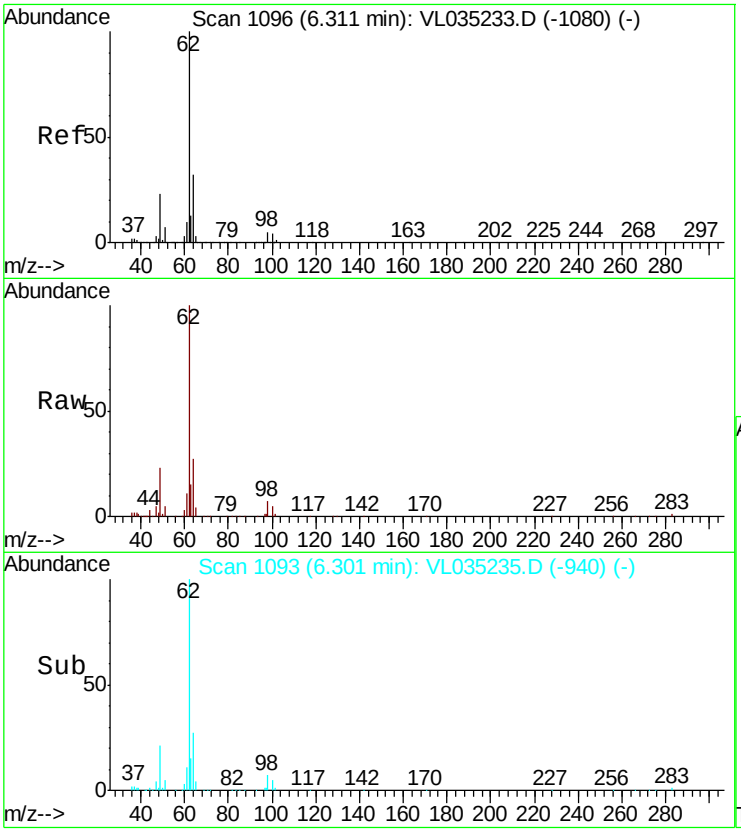


#36
Benzene
Concen: 0.935 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 78 Resp: 240306

Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.9	28.3
50	20.0	16.1	24.1



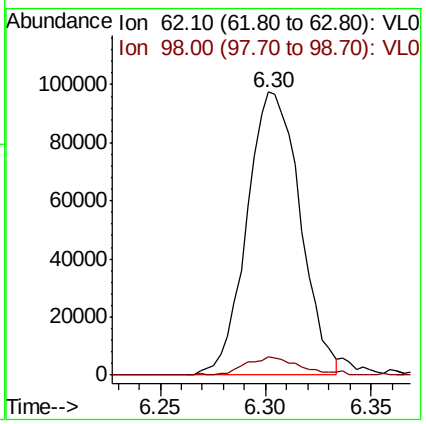


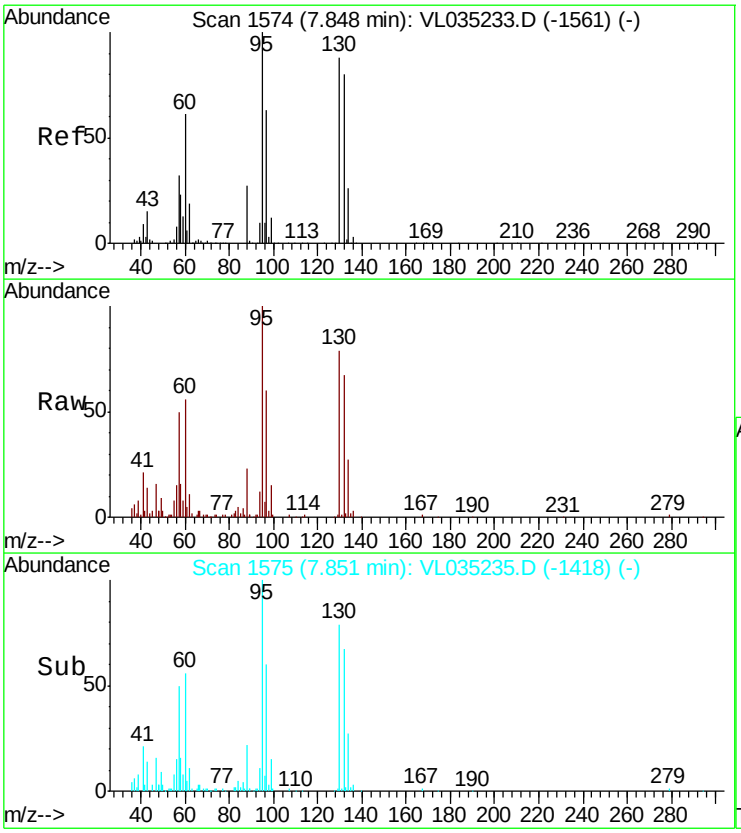
#37
1,2-Dichloroethane
Concen: 0.987 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 171336

Ion	Ratio	Lower	Upper
62	100		
98	6.8	4.5	6.7#

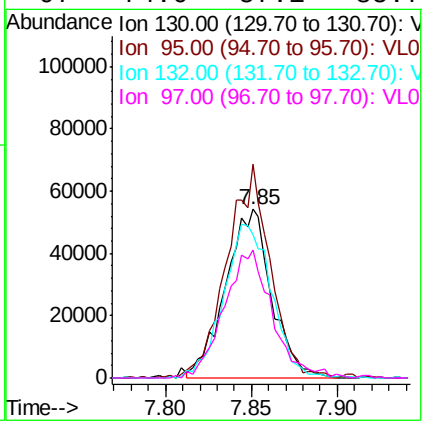


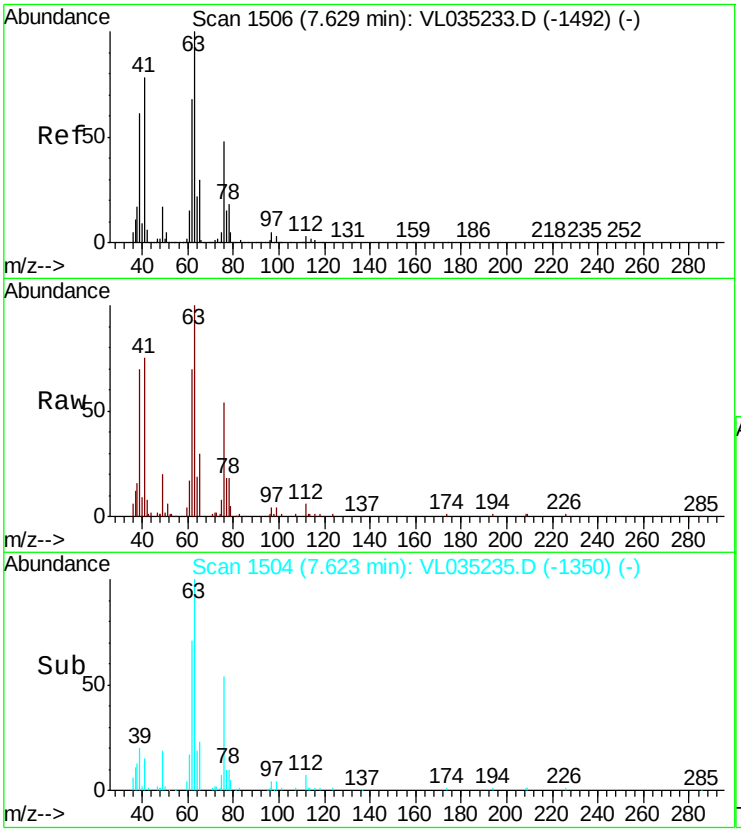


#38
Trichloroethene
Concen: 0.952 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:130 Resp: 100343

Ion	Ratio	Lower	Upper
130	100		
95	125.7	90.7	136.1
132	86.7	72.9	109.3
97	74.0	57.1	85.7



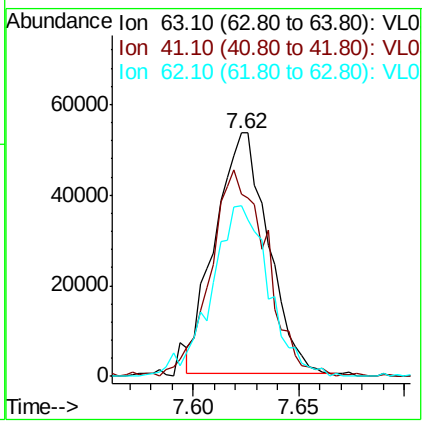


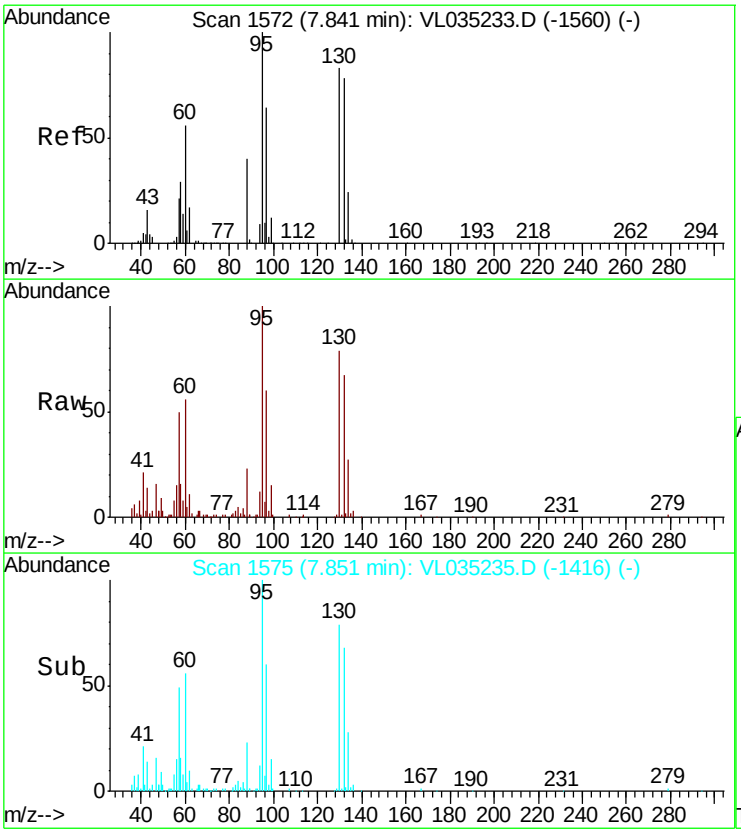
#39
1,2-Dichloropropane
Concen: 0.906 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 93142

Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.2	93.4
62	69.3	54.2	81.2

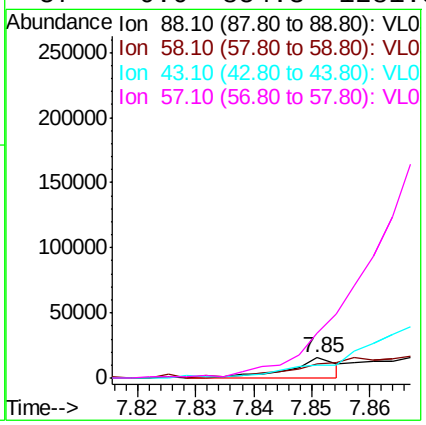


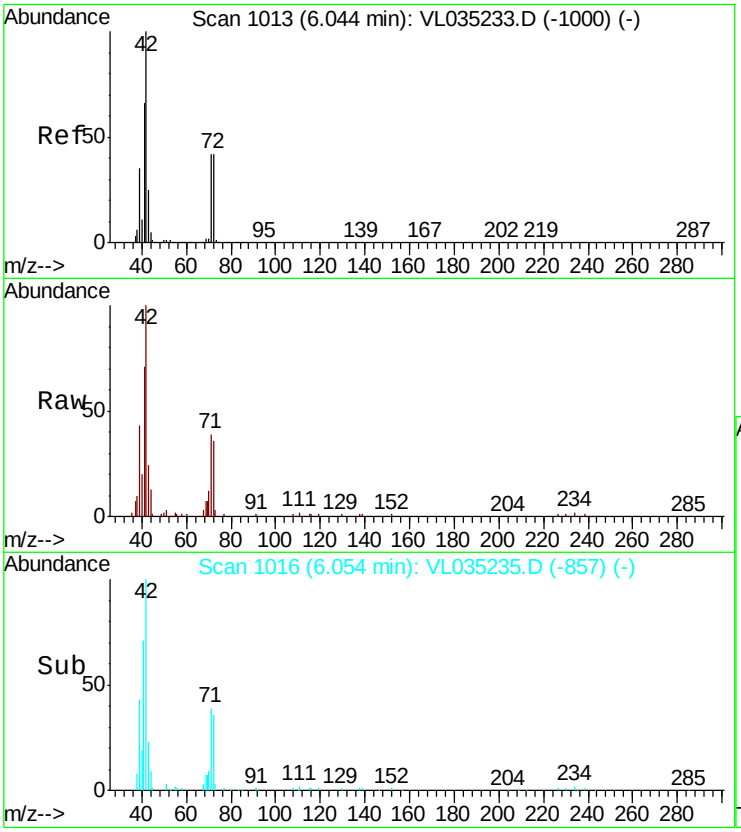


#40
1,4-Dioxane
Concen: 0.222 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 88 Resp: 9085

Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.3	148.9#
43	0.0	195.6	293.4#
57	0.0	854.3	1281.5#



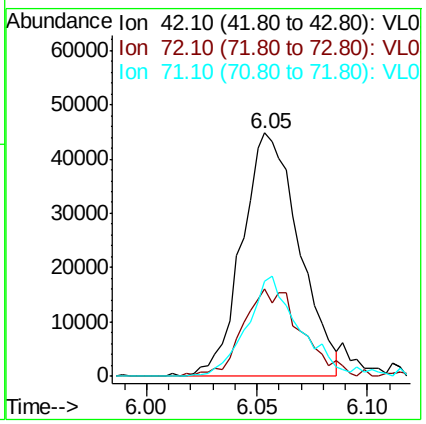


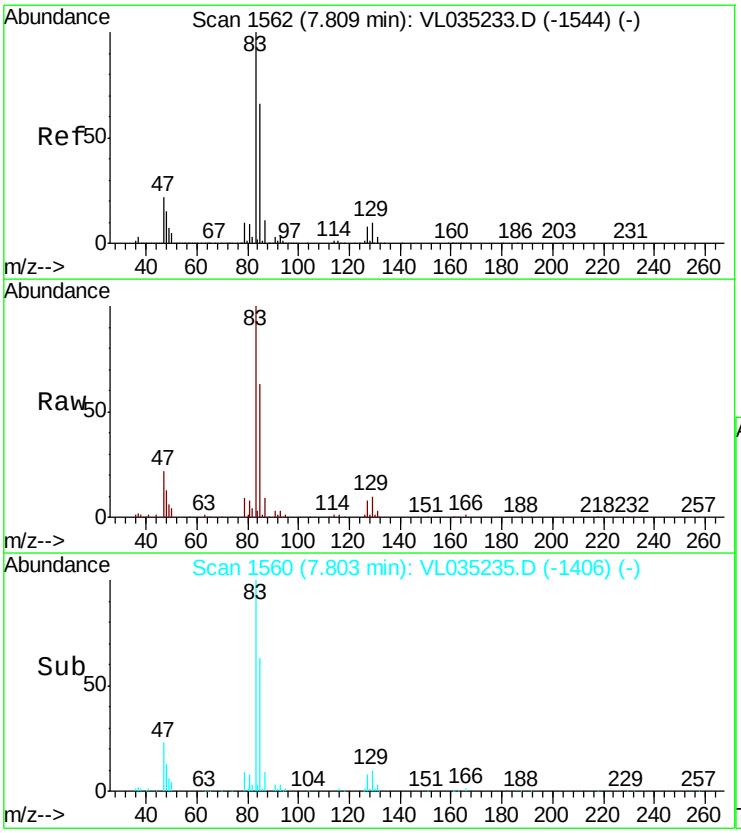
#41
Tetrahydrofuran
Concen: 0.856 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 80632

Ion	Ratio	Lower	Upper
42	100		
72	37.8	34.2	51.2
71	38.9	33.2	49.8

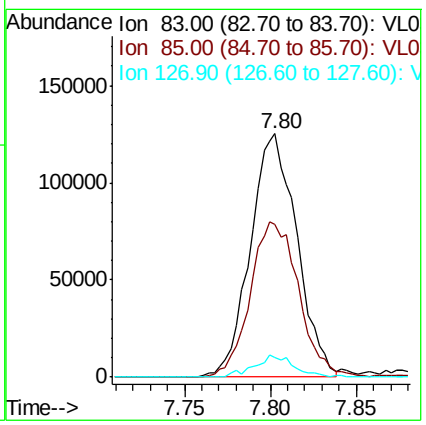


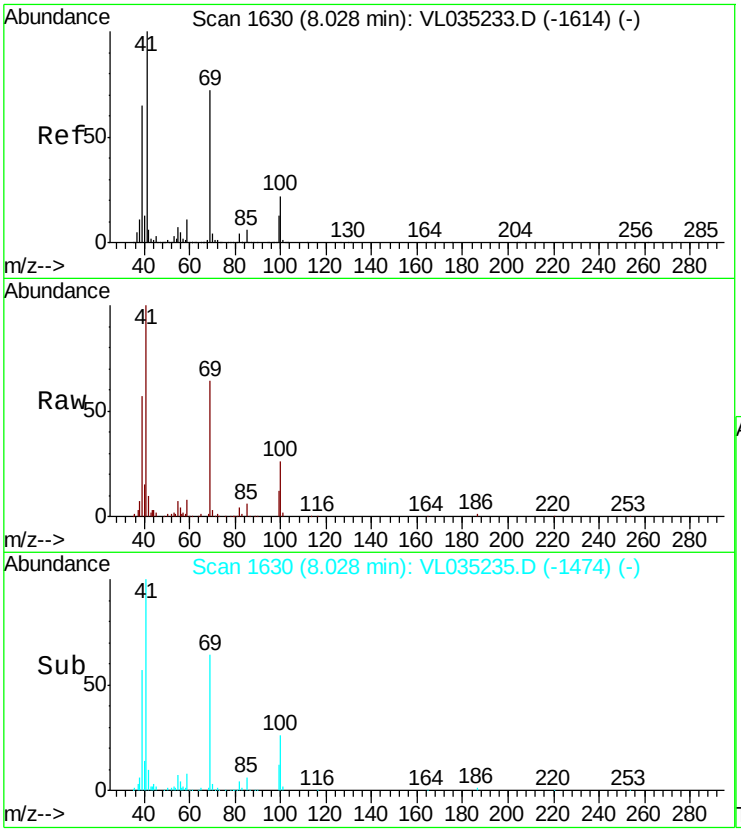


#42
Bromodichloromethane
Concen: 1.010 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 83 Resp: 233988

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.9	79.3
127	8.1	6.5	9.7



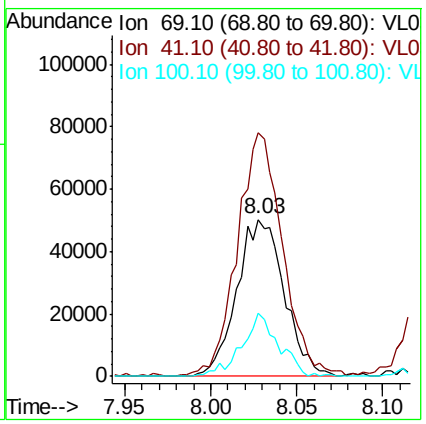


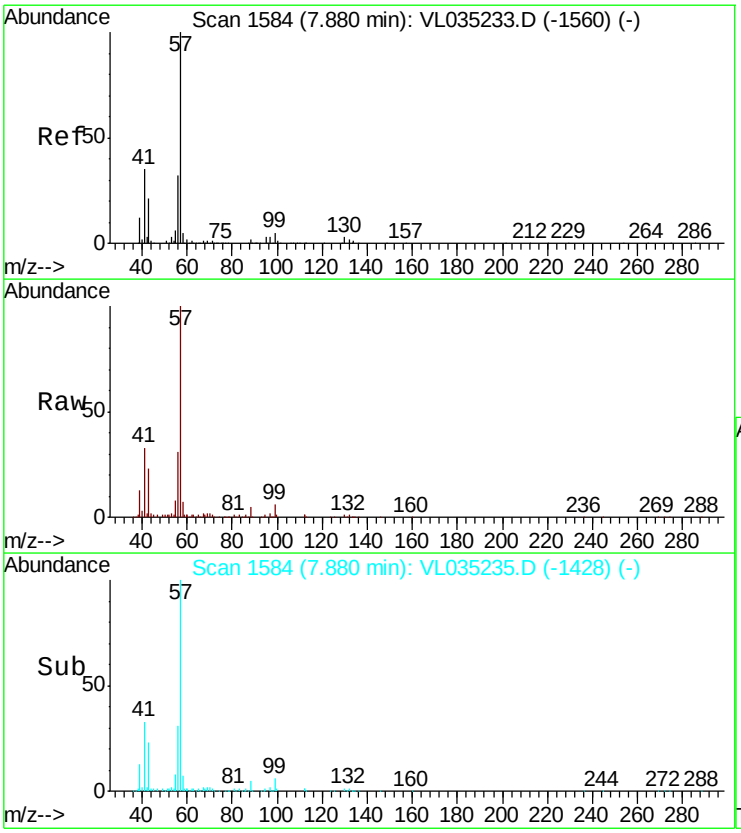
#43
Methyl Methacrylate
Concen: 0.876 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 95871

Ion	Ratio	Lower	Upper
69	100		
41	148.9	113.0	169.4
100	31.6	25.3	37.9

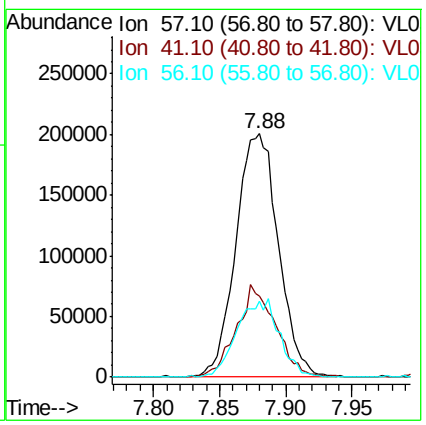


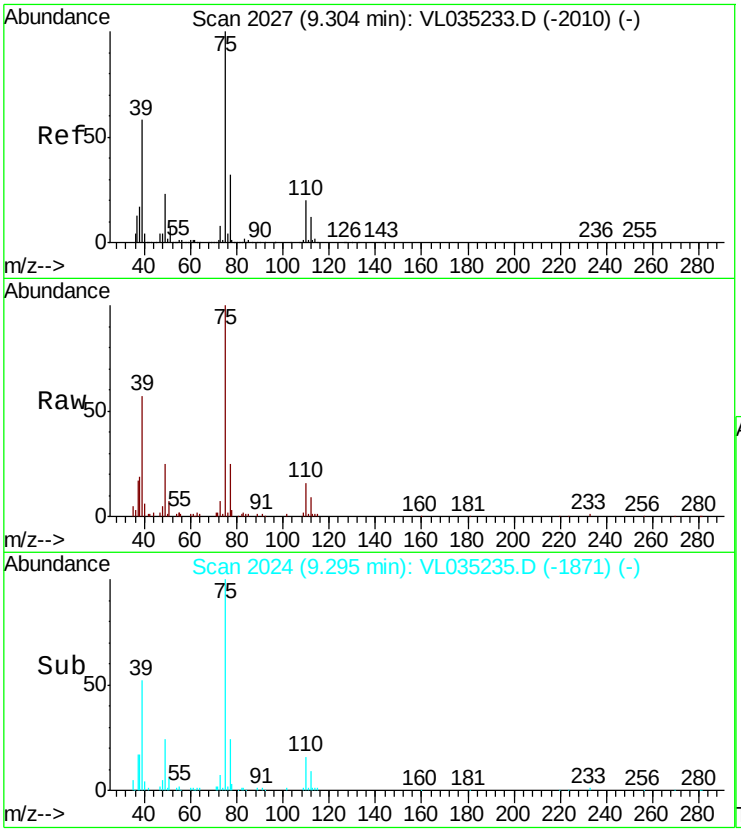


#44
2,2,4-Trimethylpentane
Concen: 0.995 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 57 Resp: 443390

Ion	Ratio	Lower	Upper
57	100		
41	35.3	27.0	40.4
56	32.1	25.6	38.4

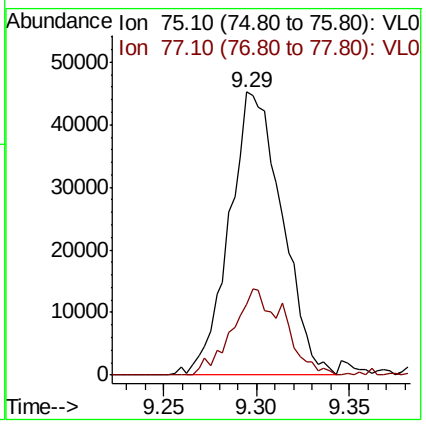




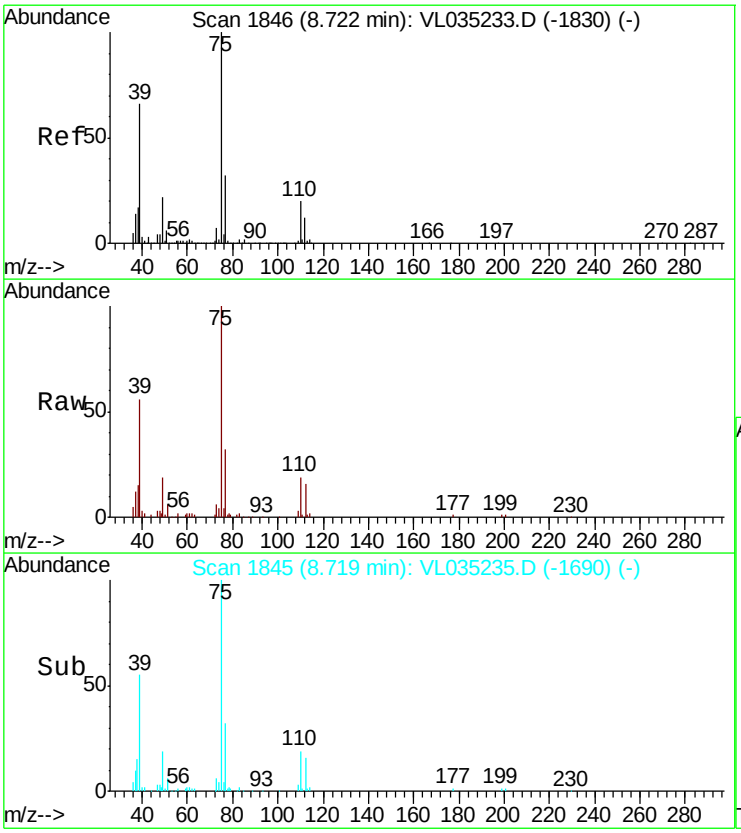
#45
t-1,3-Dichloropropene
Concen: 0.776 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 75 Resp: 88756

Ion	Ratio	Lower	Upper
75	100		
77	25.1	25.6	38.4#



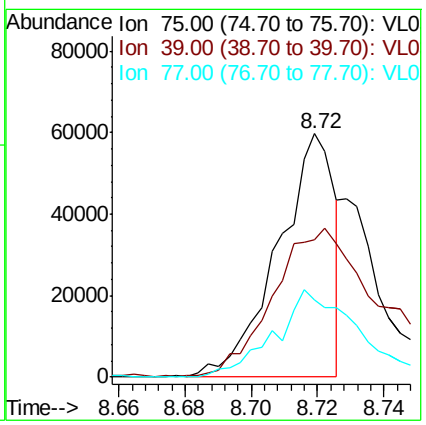
Instrument :
MSVOA_L
ClientSampleId :

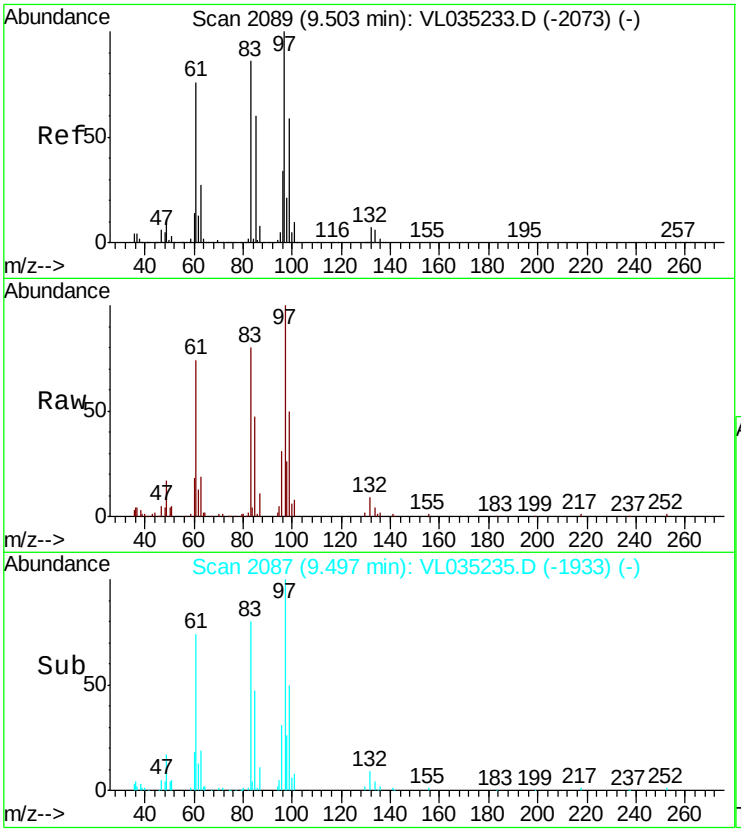


#46
cis-1,3-Dichloropropene
Concen: 0.521 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 75 Resp: 70903

Ion	Ratio	Lower	Upper
75	100		
39	55.7	53.0	79.4
77	31.7	25.8	38.8

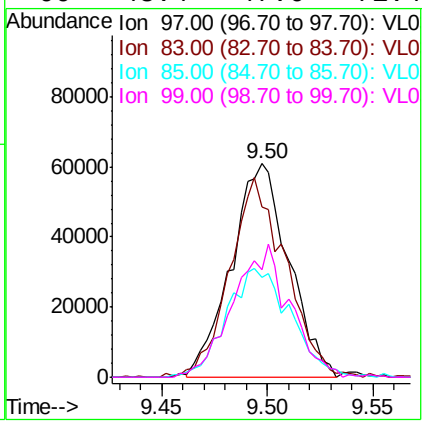




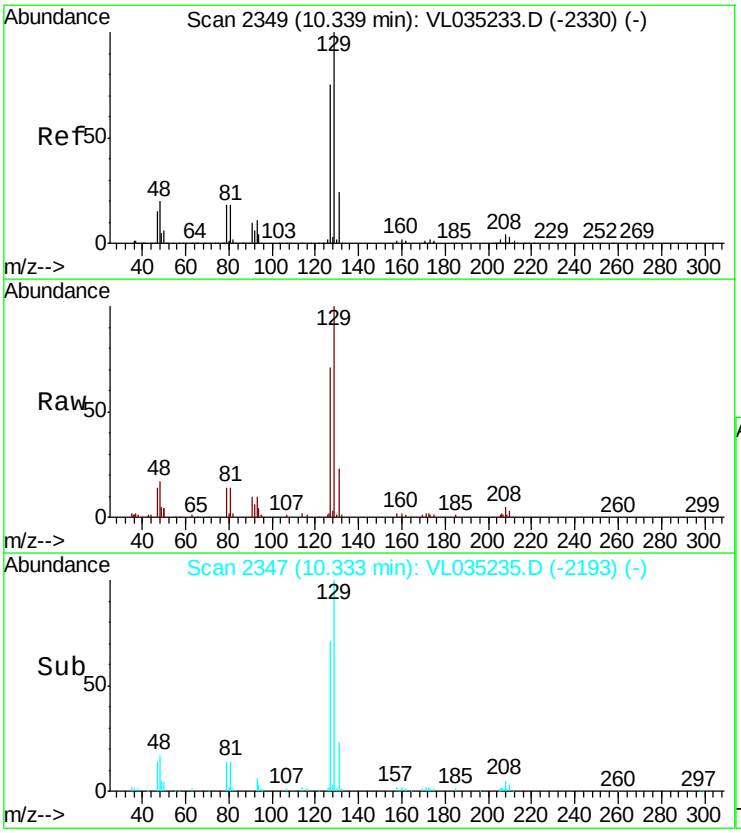
#47
1,1,2-Trichloroethane
Concen: 1.025 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 97 Resp: 115755

Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.0	103.4
85	44.4	47.8	71.8#
99	48.4	47.6	71.4



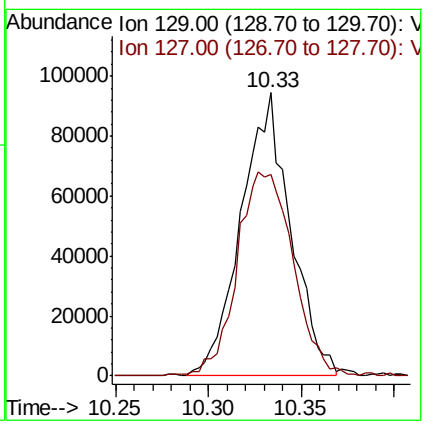
Instrument :
MSVOA_L
ClientSampleId :

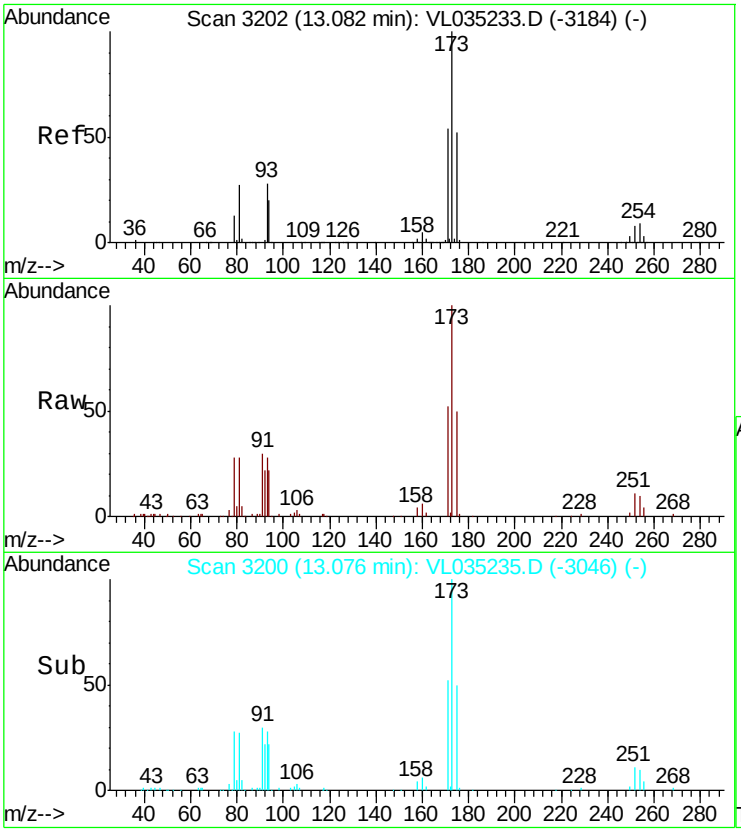


#48
Dibromochloromethane
Concen: 0.956 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:129 Resp: 175278

Ion	Ratio	Lower	Upper
129	100		
127	81.7	39.6	119.0



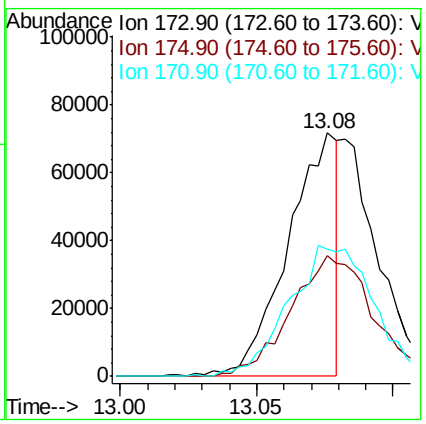


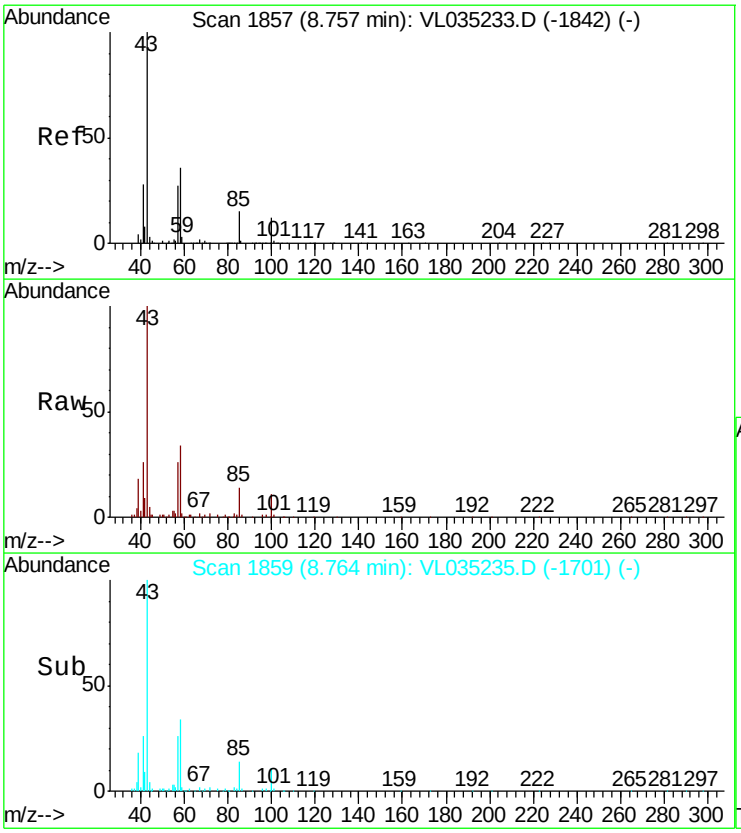
#49
Bromoform
Concen: 0.560 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 90729

Ion	Ratio	Lower	Upper
173	100		
175	82.4	40.0	60.0#
171	91.8	41.8	62.8#

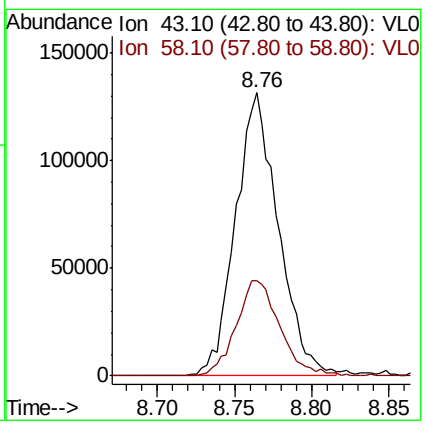


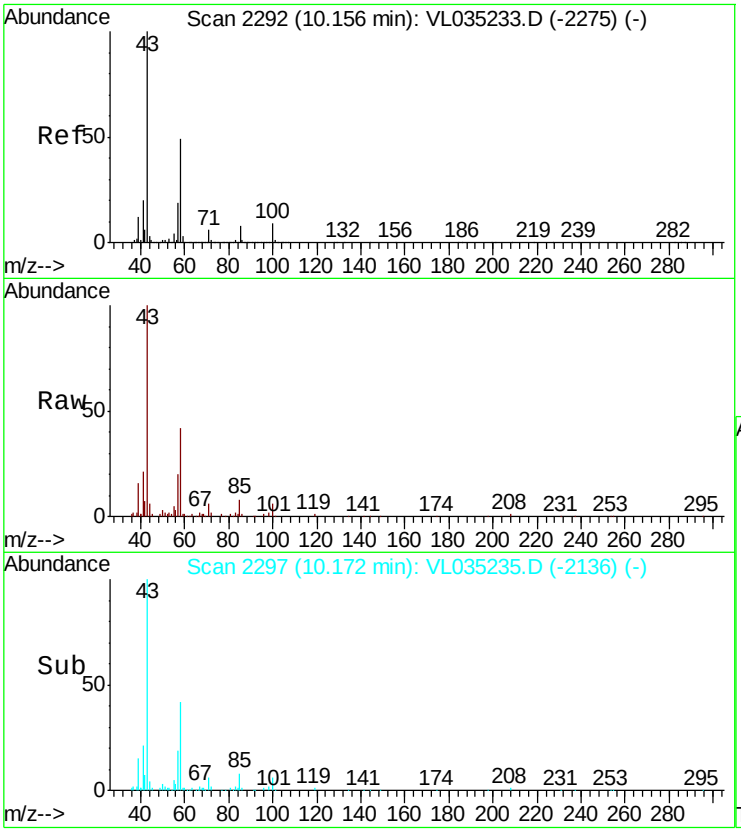


#50
4-Methyl-2-Pentanone
Concen: 0.928 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 43 Resp: 252730

Ion	Ratio	Lower	Upper
43	100		
58	34.3	30.0	45.0



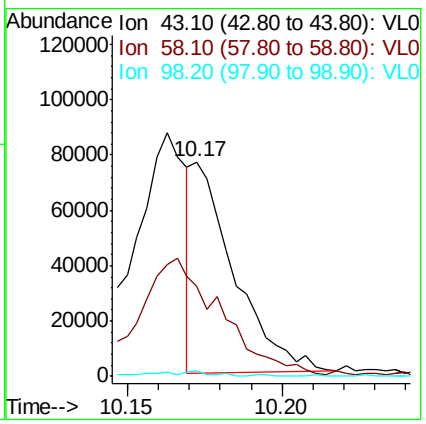


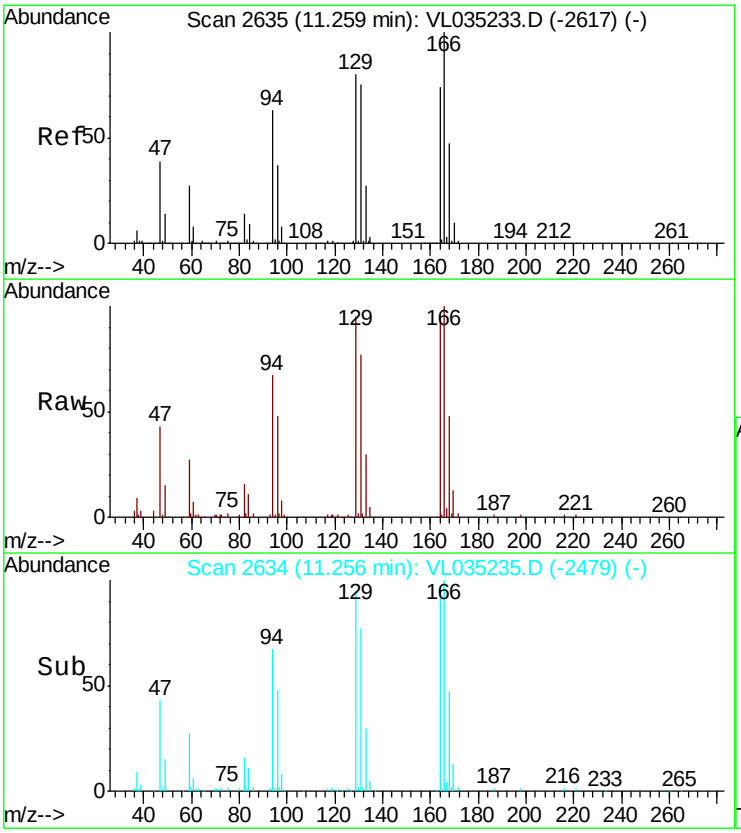
#51
2-Hexanone
Concen: 0.341 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. 0.02 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 71196

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.8	58.2#
98	3.7	0.6	0.8#

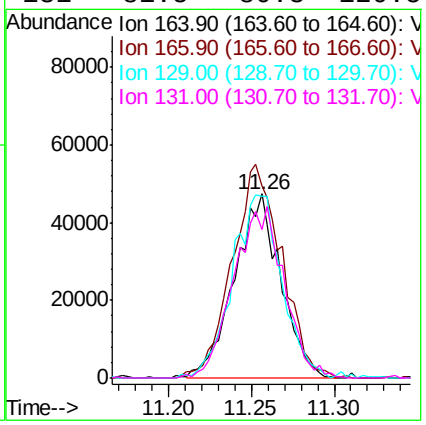


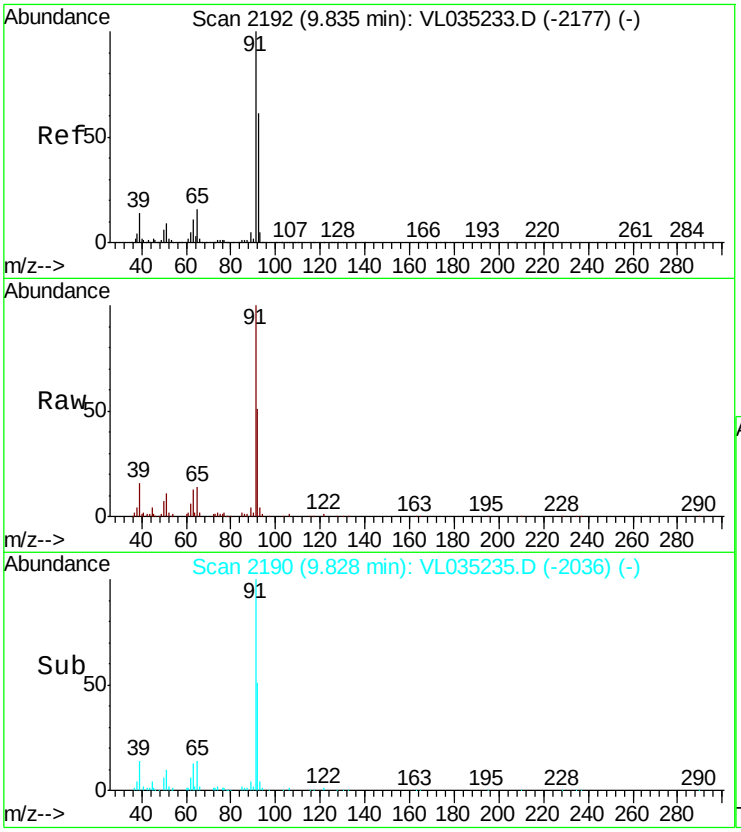


#52
Tetrachloroethene
Concen: 0.951 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:164 Resp: 91992

Ion	Ratio	Lower	Upper
164	100		
166	102.6	107.5	161.3#
129	97.0	86.0	129.0
131	81.5	80.3	120.5



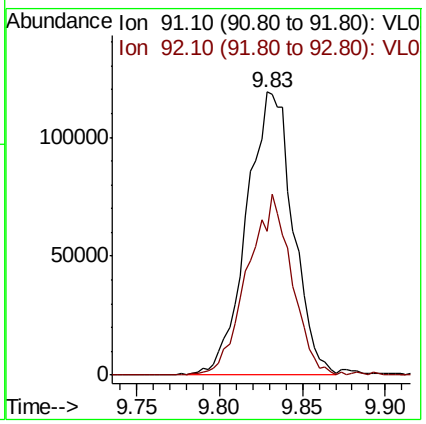


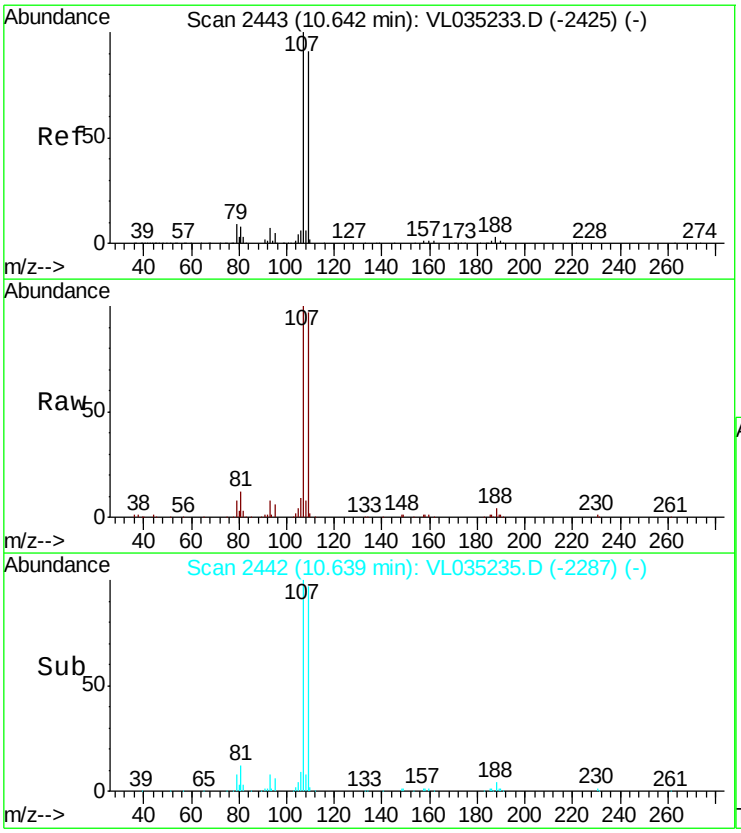
#53
Toluene
Concen: 0.853 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 232295

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.5	72.7

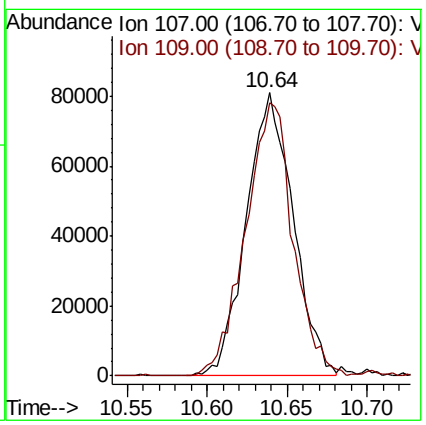


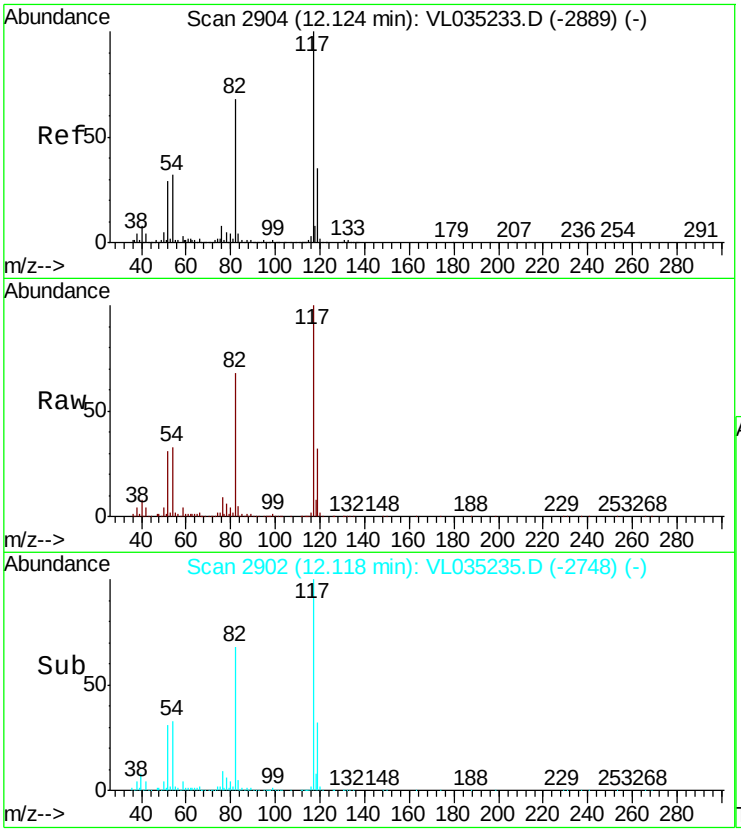


#54
1,2-Dibromoethane
Concen: 0.975 ppbv
RT: 10.64 min Scan# 2442
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:107 Resp: 163227

Ion	Ratio	Lower	Upper
107	100		
109	96.4	73.0	109.6



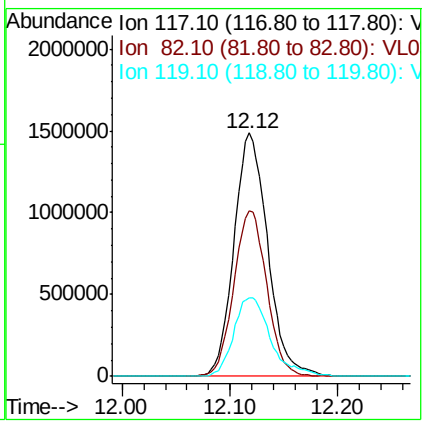


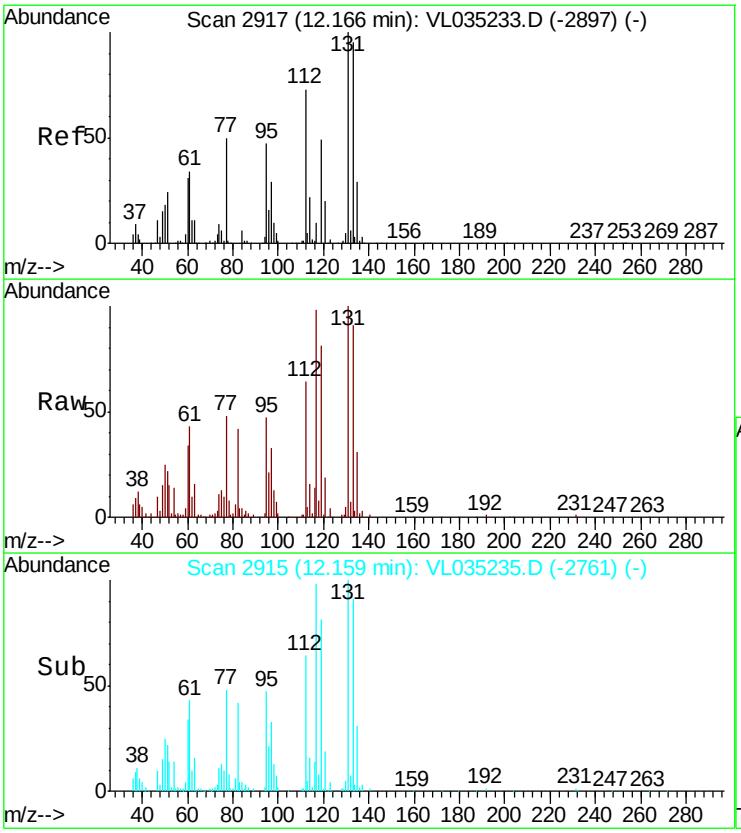
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3243100

Ion	Ratio	Lower	Upper
117	100		
82	66.7	52.4	78.6
119	35.5	24.6	36.8

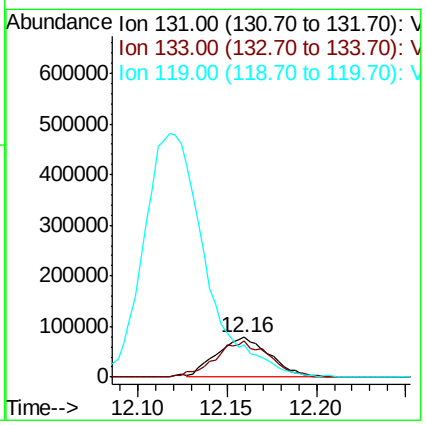


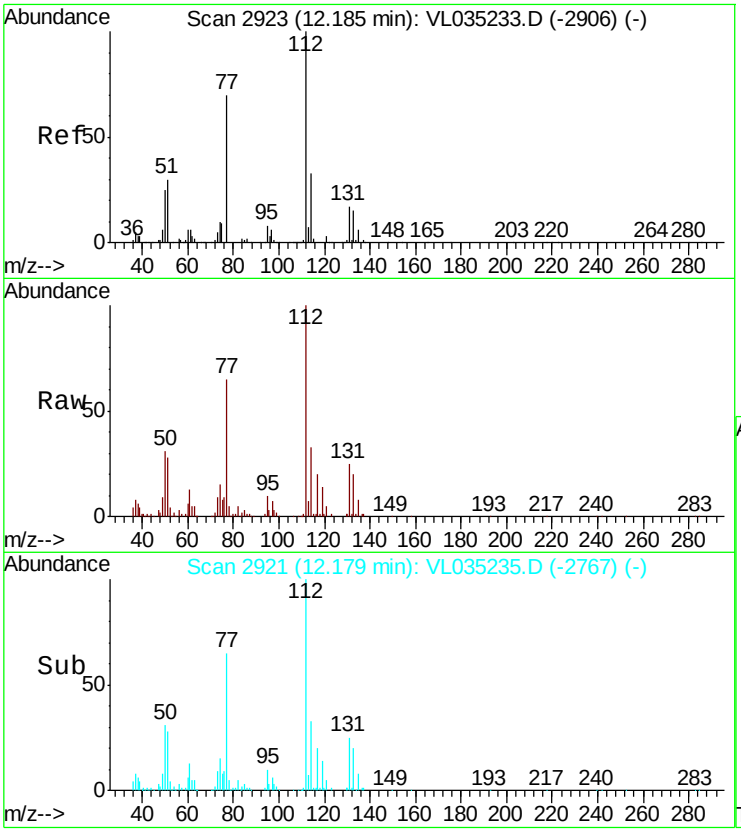


#56
1,1,1,2-Tetrachloroethane
Concen: 1.099 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:131 Resp: 160077

Ion	Ratio	Lower	Upper
131	100		
133	92.1	76.1	114.1
119	0.0	44.3	66.5#



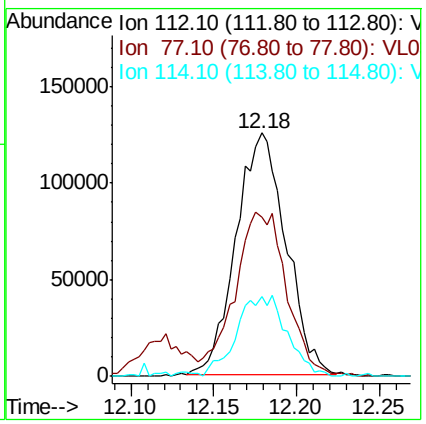


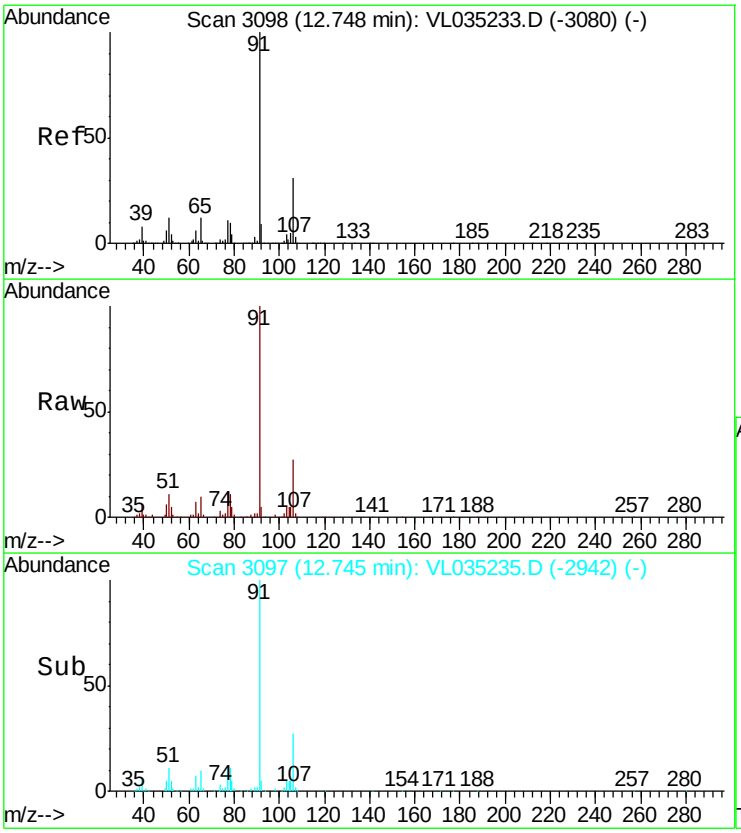
#57
Chlorobenzene
Concen: 1.077 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 261479

Ion	Ratio	Lower	Upper
112	100		
77	64.9	57.3	85.9
114	32.7	29.3	35.8

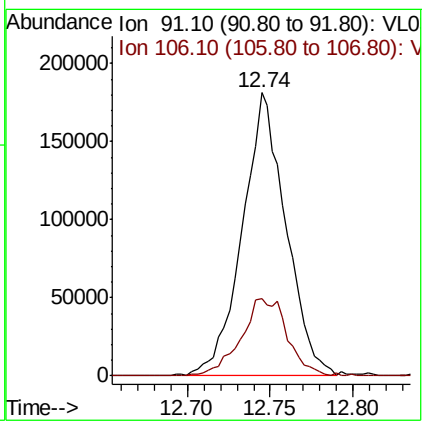


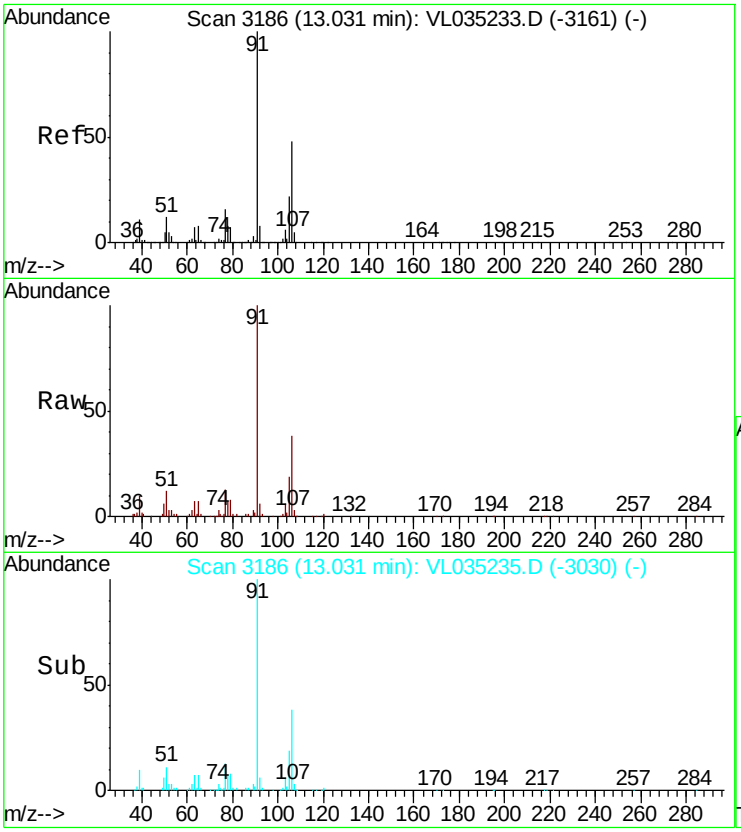


#58
Ethyl Benzene
Concen: 0.914 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 91 Resp: 331376

Ion	Ratio	Lower	Upper
91	100		
106	27.3	25.0	37.6



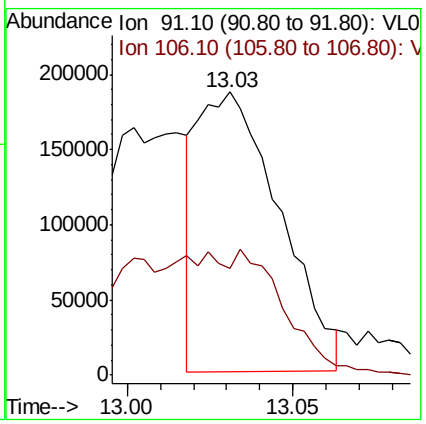


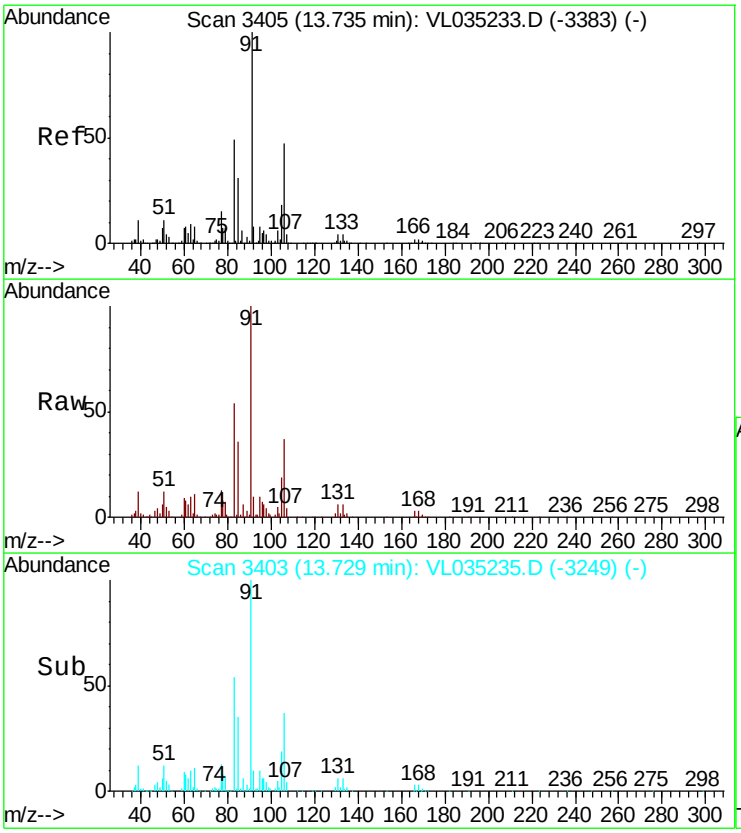
#59
m/p-Xylene
Concen: 0.982 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 318379

Ion	Ratio	Lower	Upper
91	100		
106	92.5	37.2	55.8#

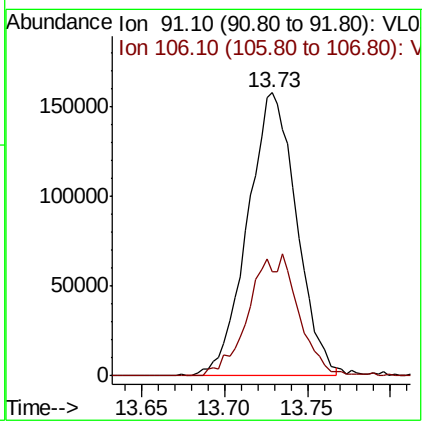


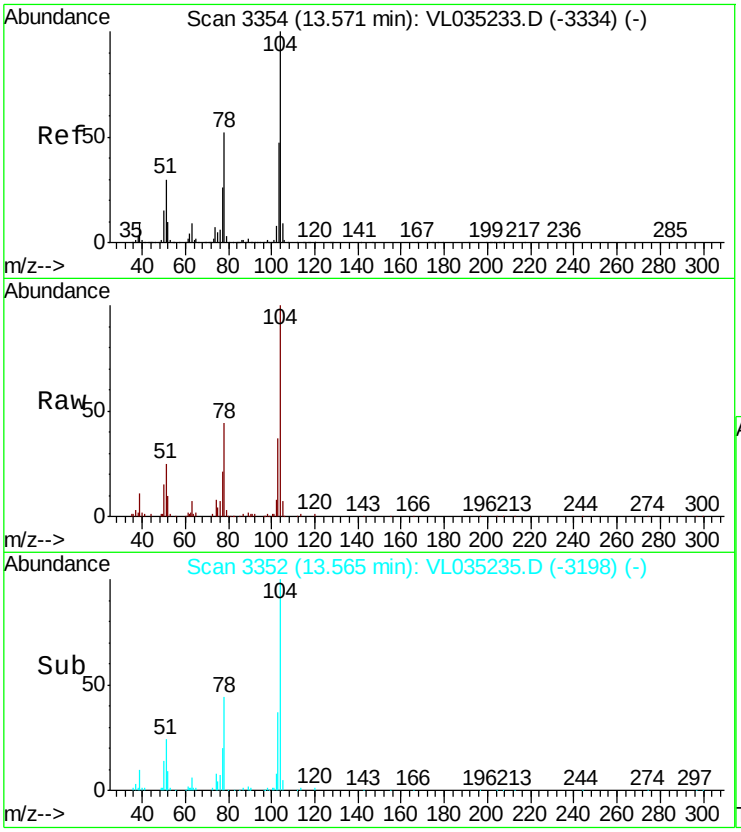


#60
o-Xylene
Concen: 1.005 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 91 Resp: 325169

Ion	Ratio	Lower	Upper
91	100		
106	43.5	22.4	67.0



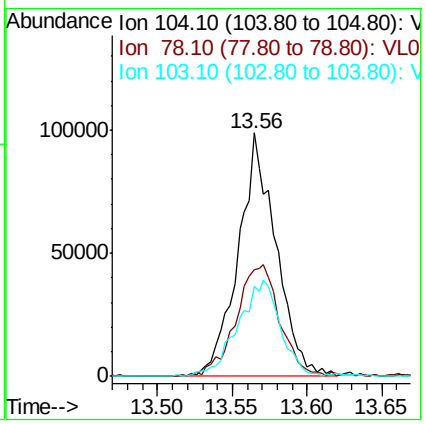


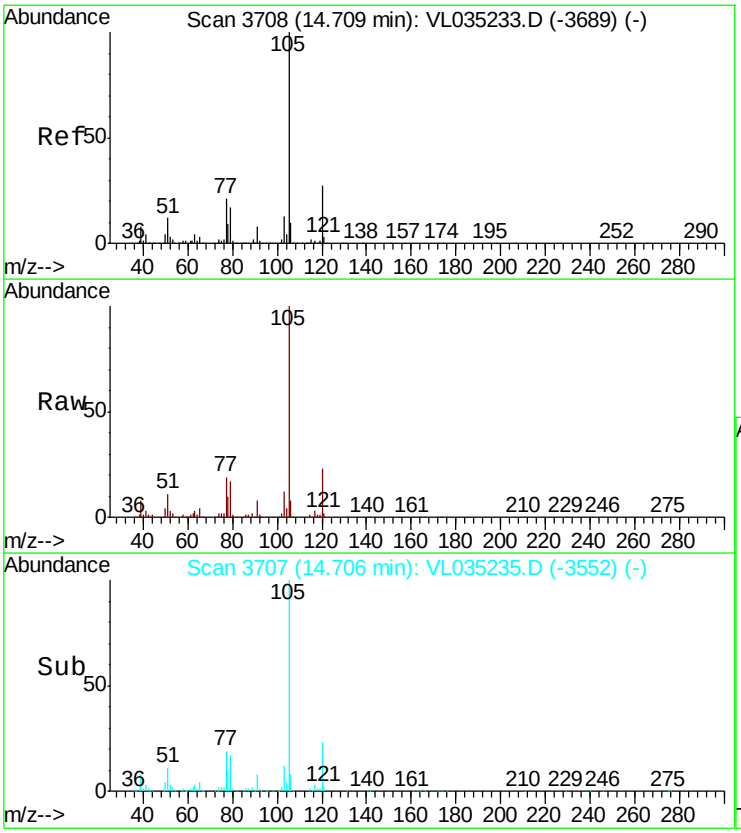
#61
Stvrene
Concen: 0.870 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 173737

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.3	64.9
103	45.1	38.2	57.2

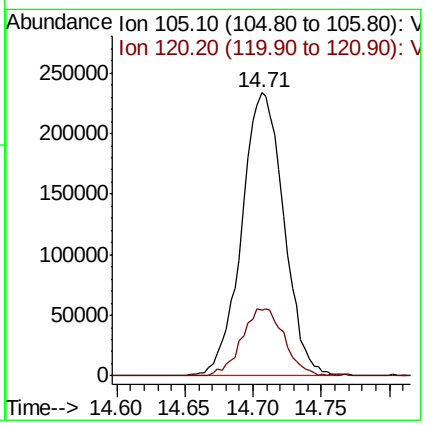


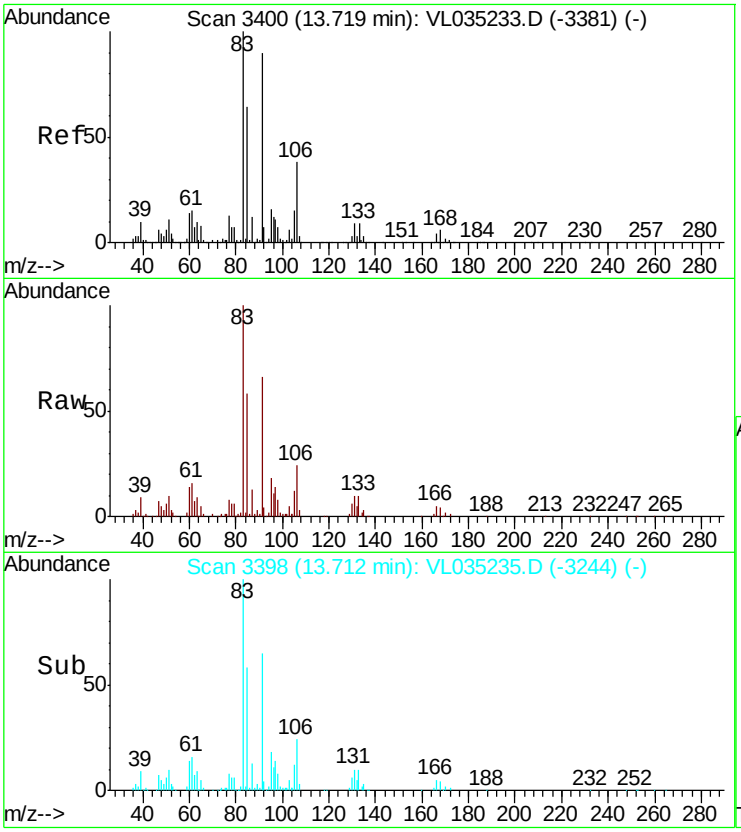


#62
Isopropylbenzene
Concen: 1.047 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:105 Resp: 502026

Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.8	31.2



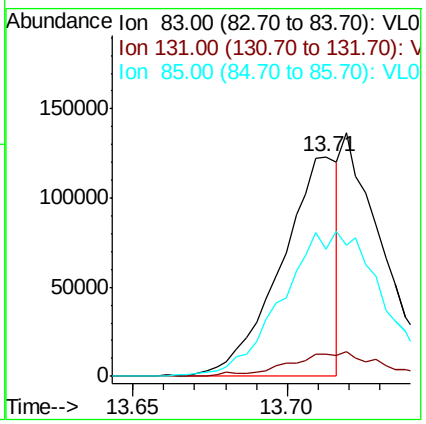


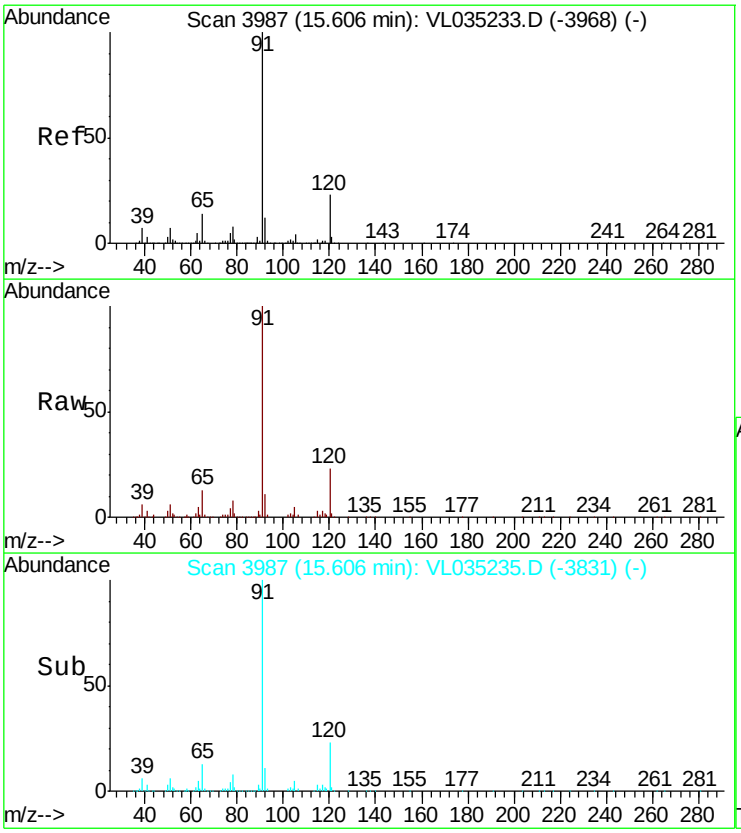
#63
1,1,2,2-Tetrachloroethane
Concen: 0.575 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 155482

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.7	98.1#

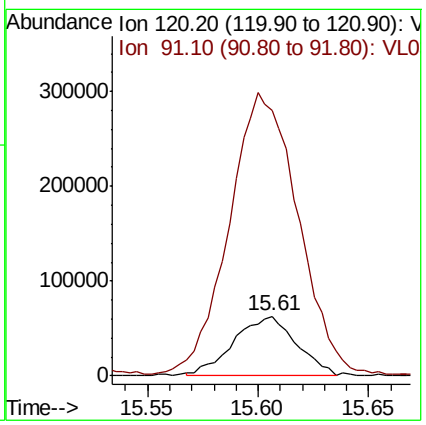


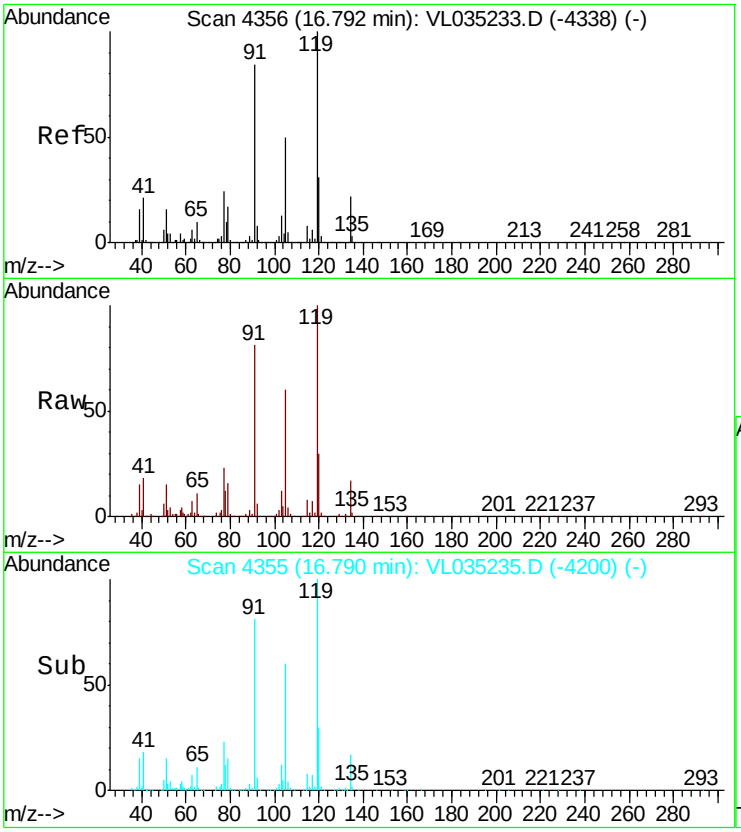


#64
n-propylbenzene
Concen: 0.995 ppbv
RT: 15.61 min Scan# 3987
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:120 Resp: 123493

Ion	Ratio	Lower	Upper
120	100		
91	523.7	367.5	551.3



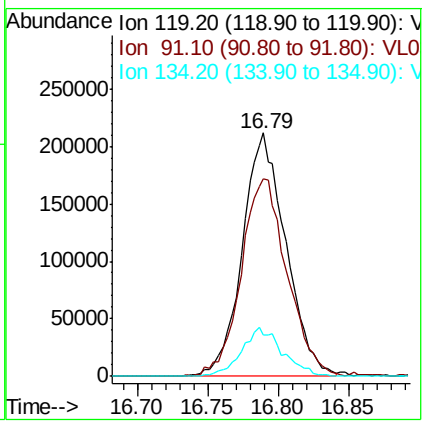


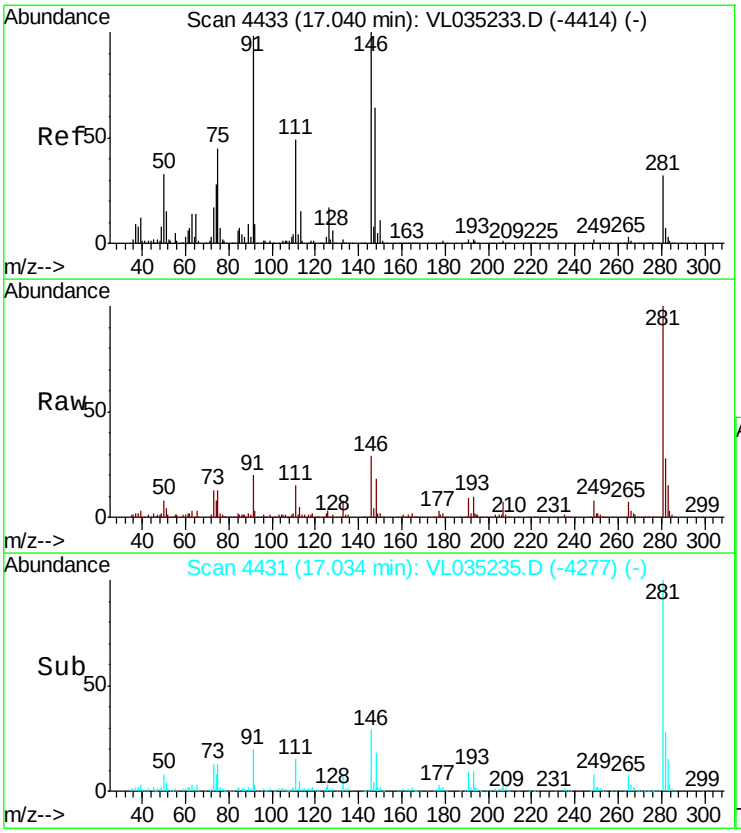
#65
tert-Butylbenzene
Concen: 1.058 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 455338

Ion	Ratio	Lower	Upper
119	100		
91	87.0	68.0	102.0
134	19.0	16.3	24.5

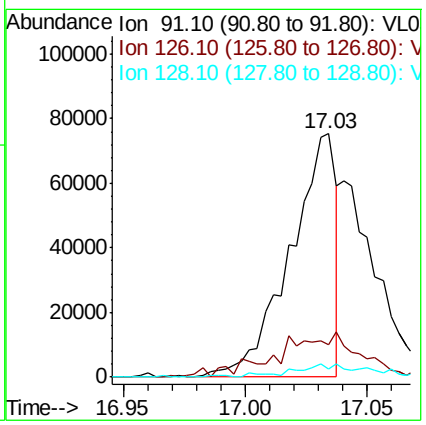


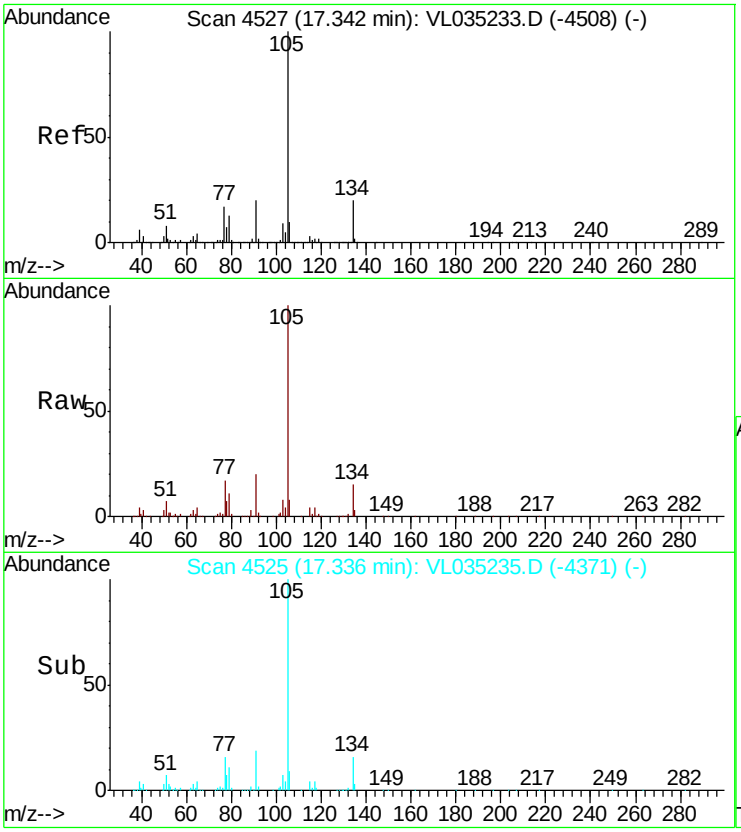


#66
Benzyl Chloride
Concen: 0.633 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 91 Resp: 98095

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	21.1#
128	8.9	4.4	6.6#



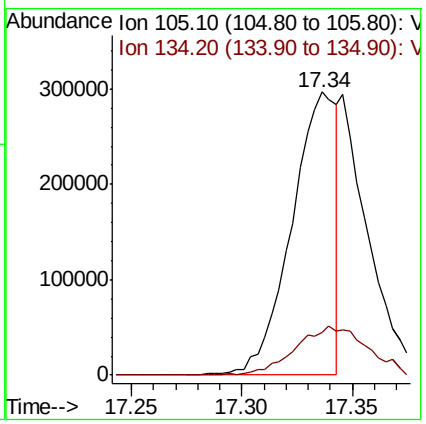


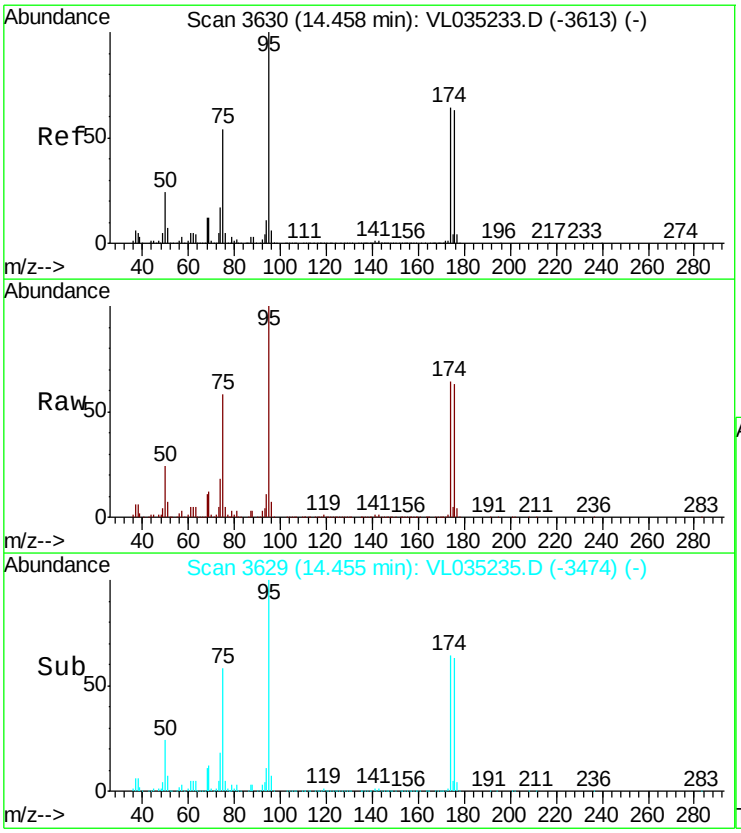
#67
sec-Butylbenzene
Concen: 0.667 ppbv
RT: 17.34 min Scan# 4525
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 418009

Ion	Ratio	Lower	Upper
105	100		
134	27.5	15.0	22.4#

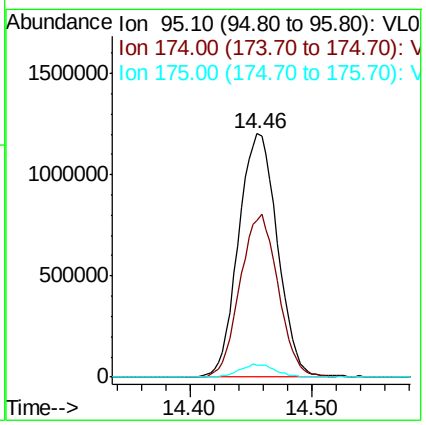


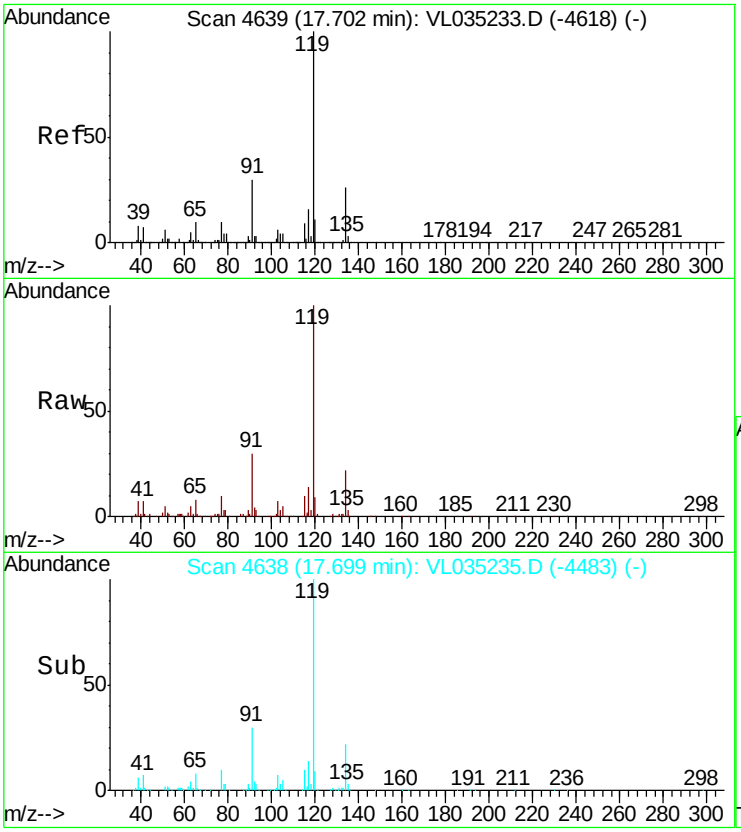


#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 95 Resp: 2646430

Ion	Ratio	Lower	Upper
95	100		
174	65.8	52.7	79.1
175	4.9	3.9	5.9



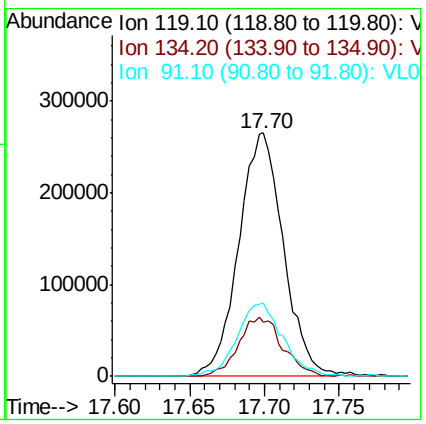


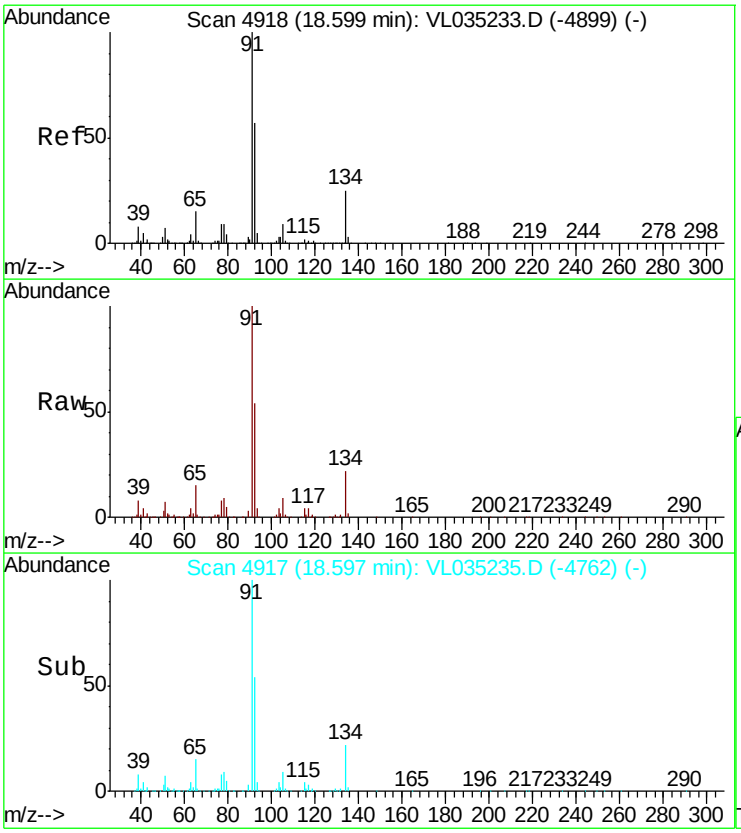
#69
p-Isopropyltoluene
Concen: 1.104 ppbv
RT: 17.70 min Scan# 4638
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 546686

Ion	Ratio	Lower	Upper
119	100		
134	24.1	20.8	31.2
91	31.2	24.7	37.1

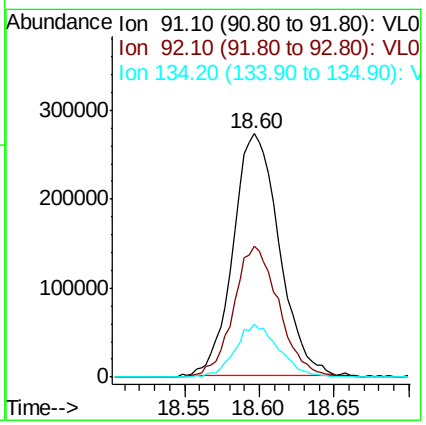


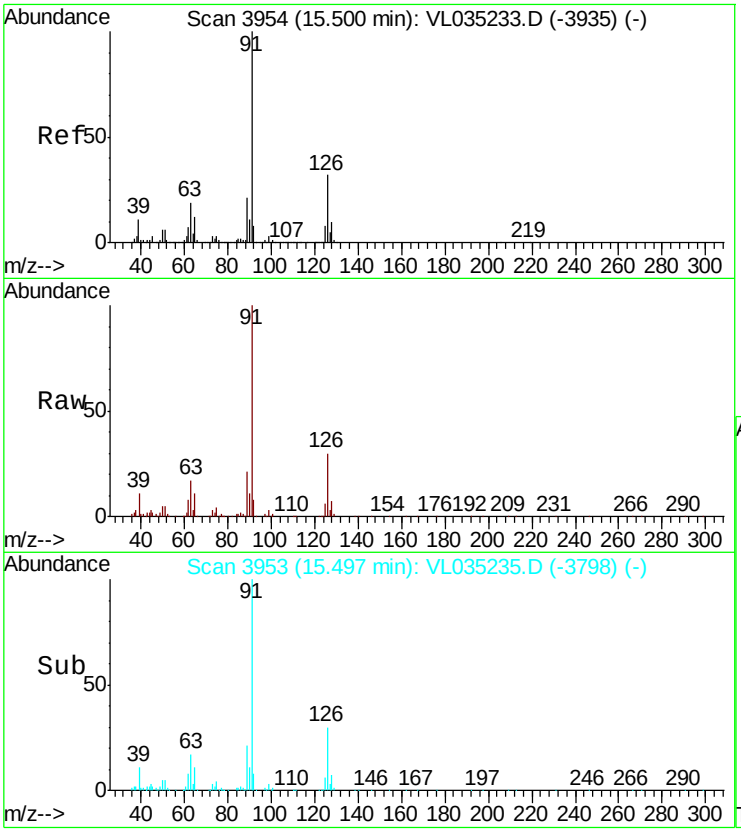


#70
n-Butylbenzene
Concen: 1.107 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion: 91 Resp: 581369

Ion	Ratio	Lower	Upper
91	100		
92	53.9	44.9	67.3
134	20.9	18.6	28.0



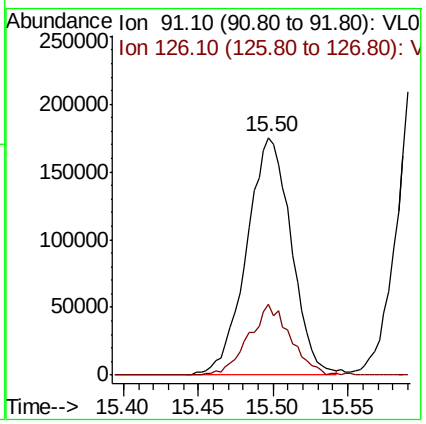


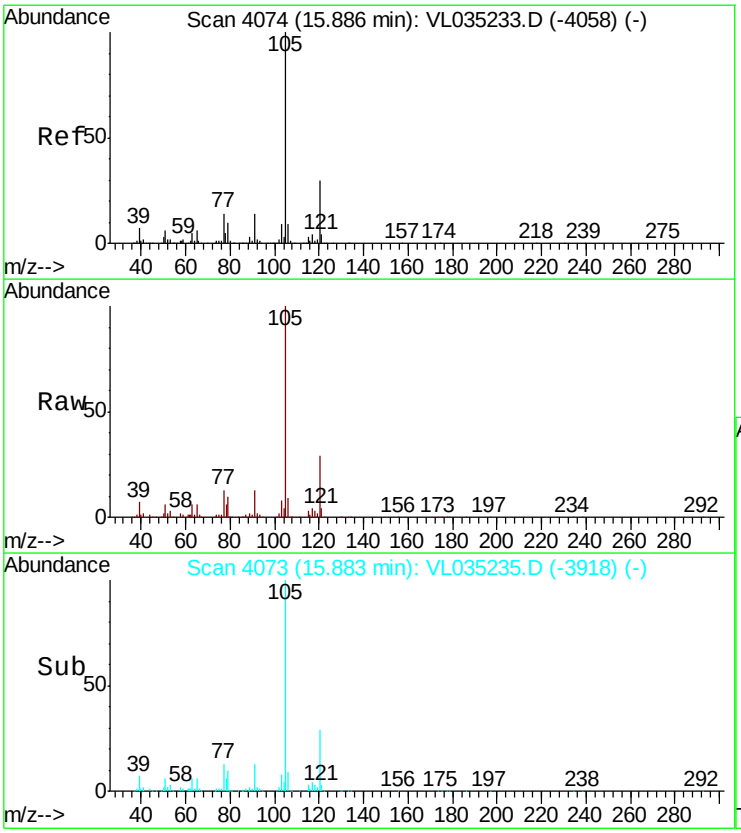
#71
2-Chlorotoluene
Concen: 1.004 ppbv
RT: 15.50 min Scan# 3953
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 364340

Ion	Ratio	Lower	Upper
91	100		
126	28.0	12.3	49.1

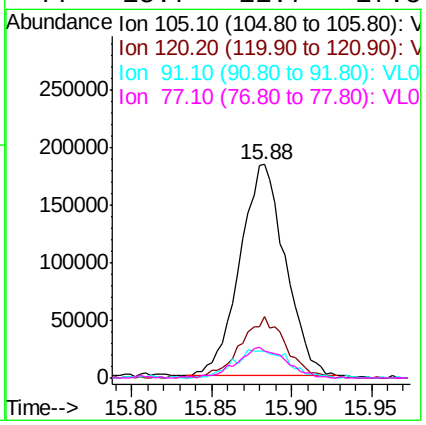


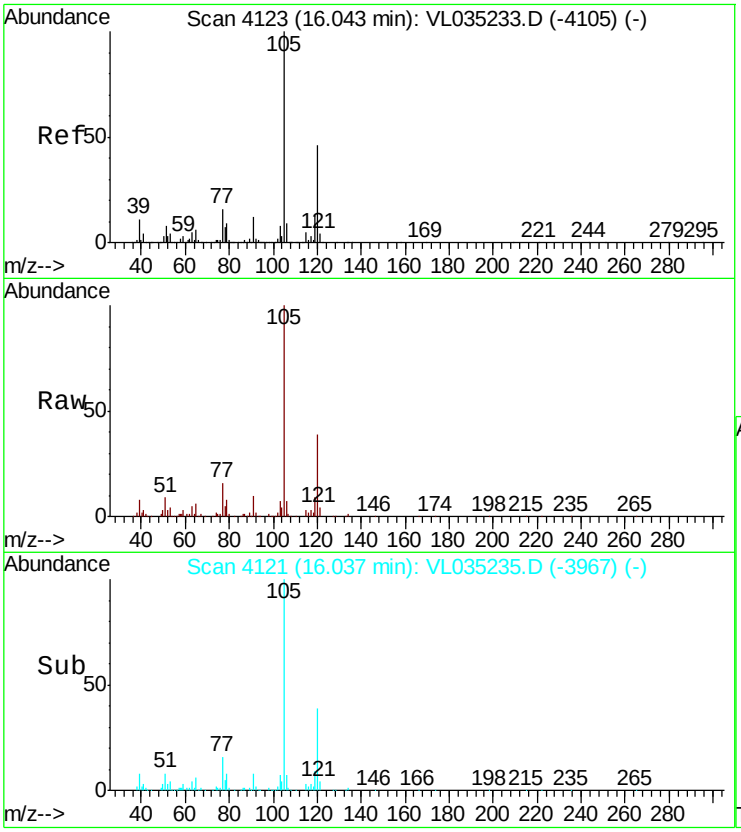


#72
4-Ethyltoluene
Concen: 0.977 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. -0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:105 Resp: 357175

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.6	35.4
91	15.9	11.0	16.6
77	15.7	11.7	17.5



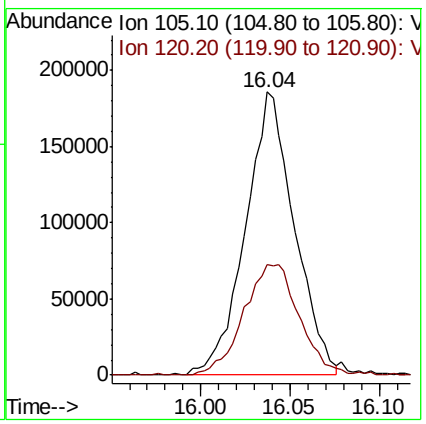


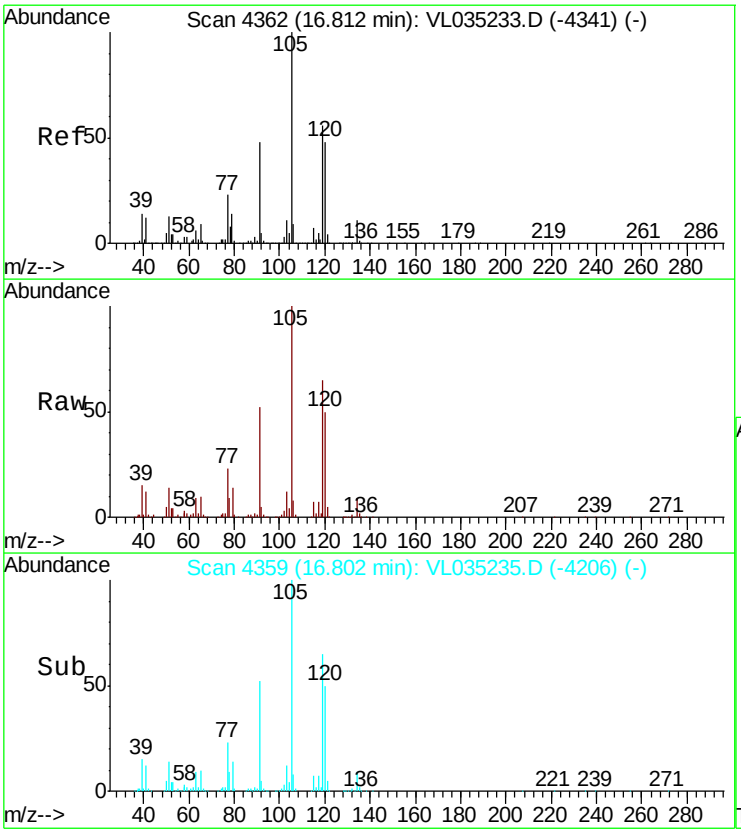
#73
1,3,5-Trimethylbenzene
Concen: 1.012 ppbv
RT: 16.04 min Scan# 4121
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 356093

Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.8	55.2

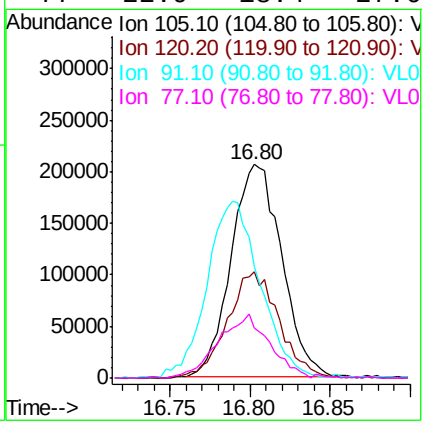


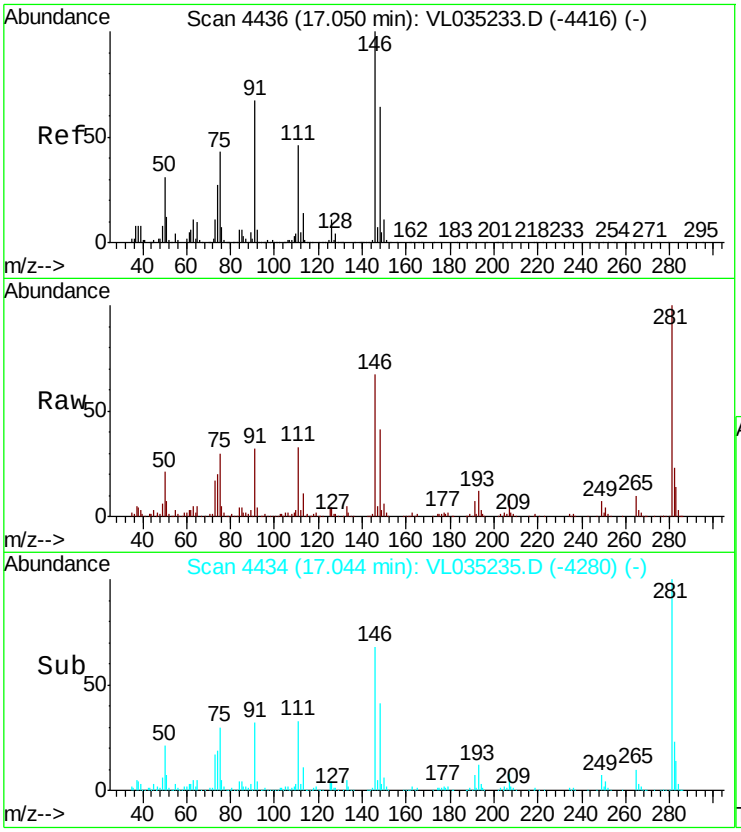


#74
1,2,4-Trimethylbenzene
Concen: 1.138 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:105 Resp: 444626

Ion	Ratio	Lower	Upper
105	100		
120	49.6	38.8	58.2
91	51.0	38.9	58.3
77	22.9	18.4	27.6



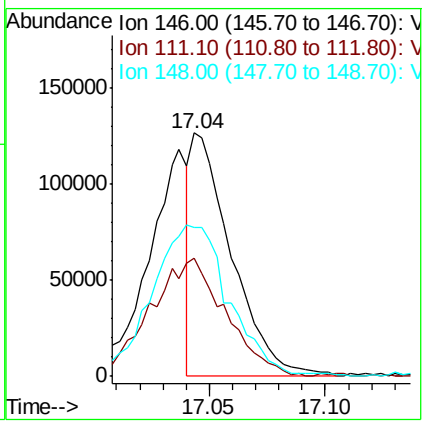


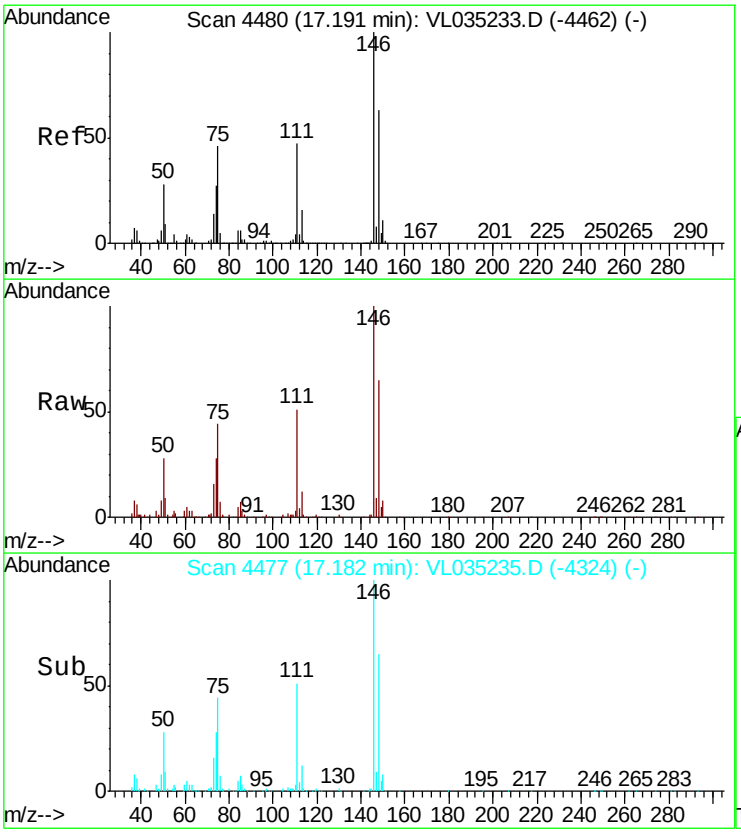
#75
1,3-Dichlorobenzene
Concen: 0.605 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 150133

Ion	Ratio	Lower	Upper
146	100		
111	96.3	24.4	73.4#
148	123.3	32.1	96.5#

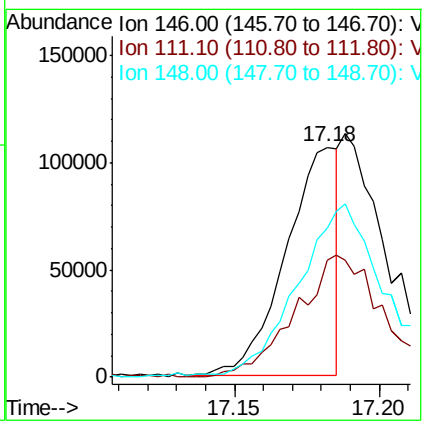


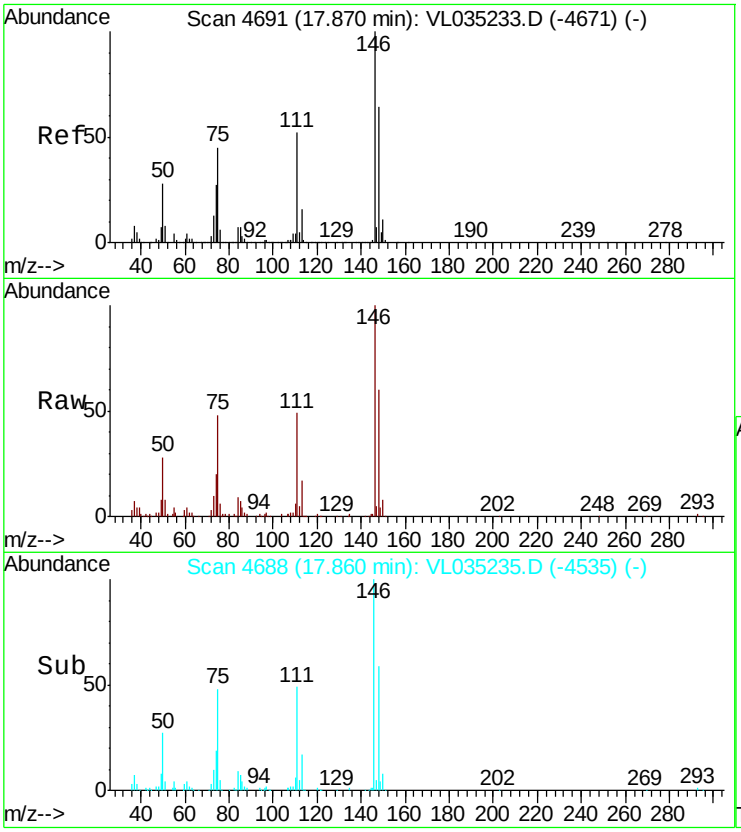


#76
1,4-Dichlorobenzene
Concen: 0.576 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:146 Resp: 132698

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.2#
148	0.0	32.2	96.6#



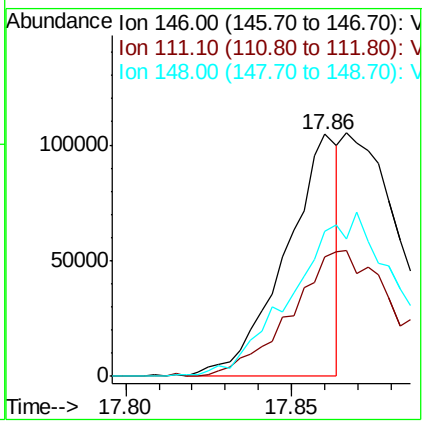


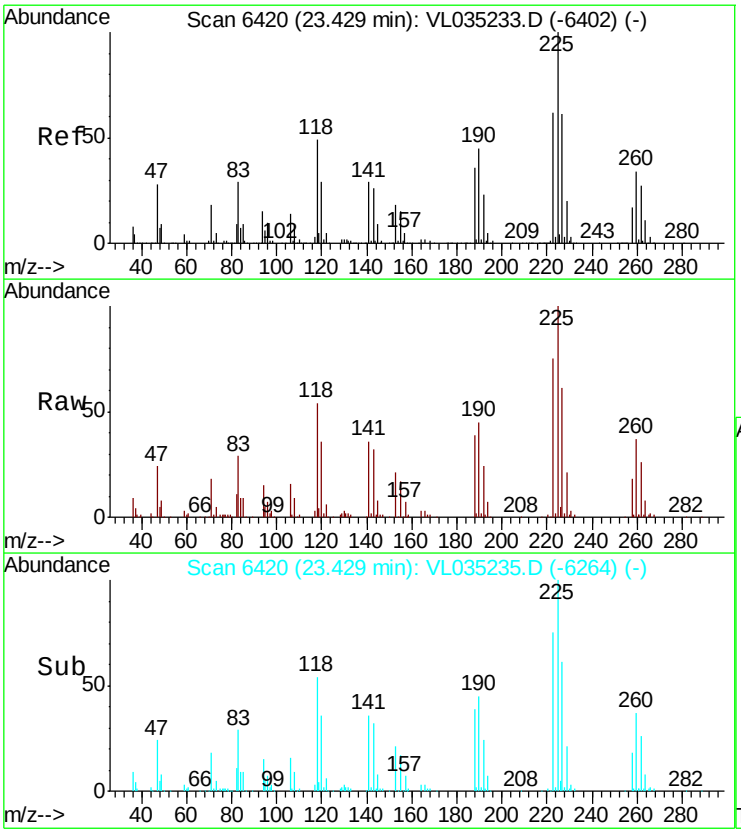
#77
1,2-Dichlorobenzene
Concen: 0.510 ppbv
RT: 17.86 min Scan# 4688
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 114346

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	73.8#
148	0.0	32.0	96.0#

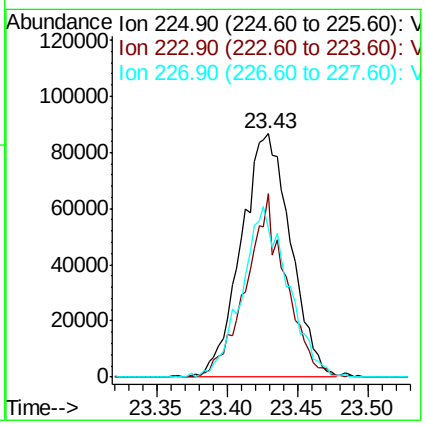


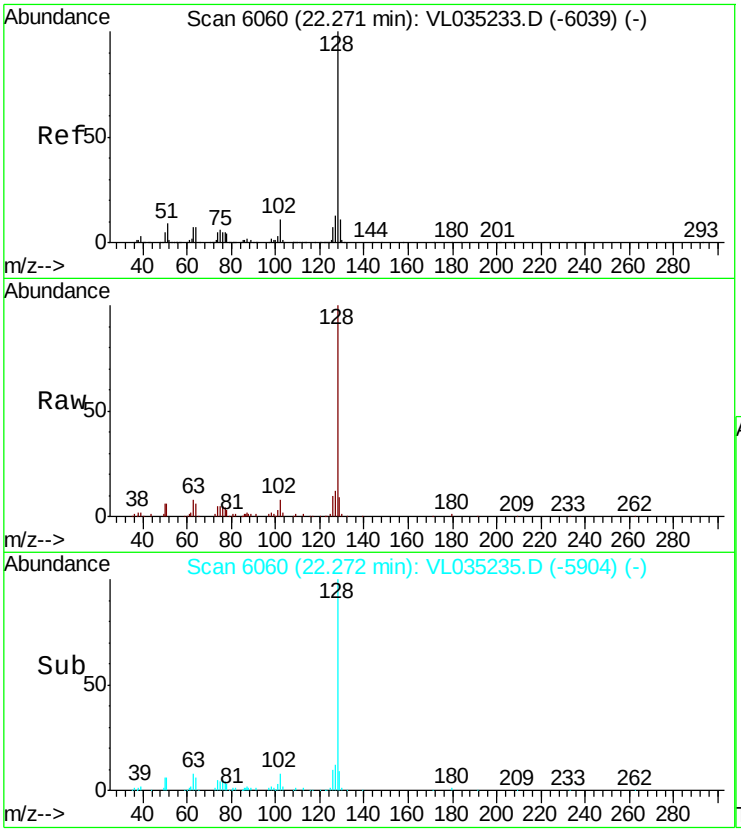


#78
Hexachloro-1,3-Butadiene
Concen: 1.209 ppbv
RT: 23.43 min Scan# 6420
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:225 Resp: 212083

Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.3	76.9
227	65.3	51.4	77.2



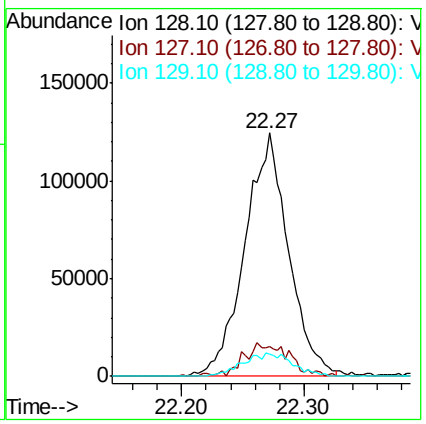


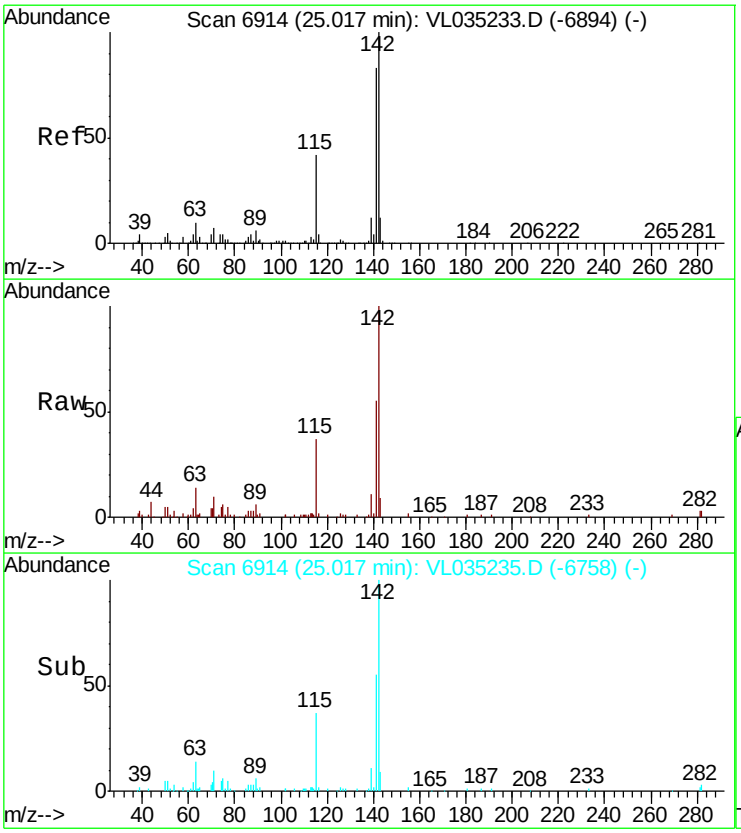
#79
Naphthalene
Concen: 1.187 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 308335

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	10.2	8.5	12.7

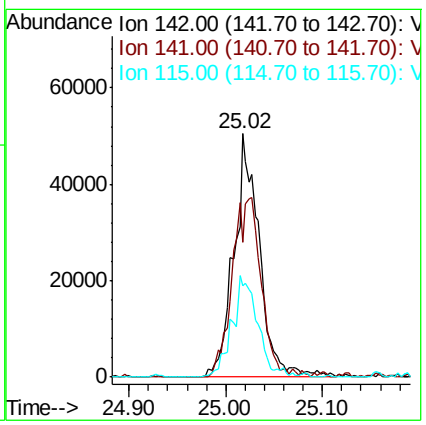


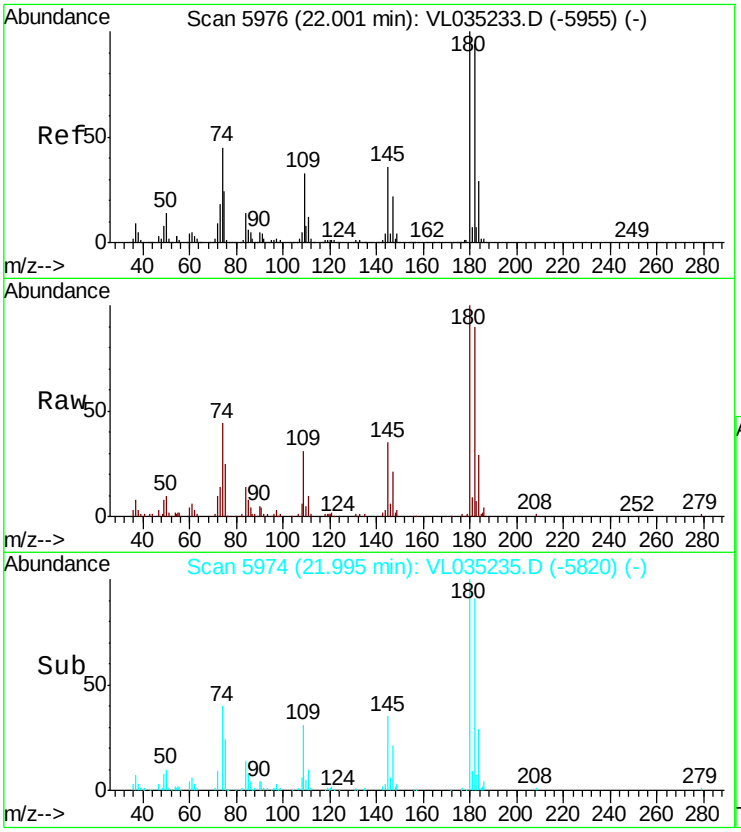


#80
Naphthalene,2-methyl-
Concen: 1.490 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Tgt Ion:142 Resp: 92219

Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.6	103.0
115	42.1	34.5	51.7





#81
1,2,4-Trichlorobenzene
Concen: 1.227 ppbv
RT: 22.00 min Scan# 5974
Delta R.T. -0.01 min
Lab File: VL035235.D
Acq: 29 Jul 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 201128

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
184	31.2	24.7	37.1