Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035078.D
Acq On : 22 May 2020 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 22 23:12:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1115603	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2585220	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3159900	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2135533	8.35	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	1247316	7.878	ppbv	98
3) Chlorodifluoromethane	2.94	51	1253562	9.842	ppbv	98
4) Chloromethane	3.09	50	721783	9.888	ppbv	94
5) Vinyl Chloride	3.21	62	706567	9.922	ppbv	98
6) Bromomethane	3.43	94	428664	10.082	ppbv	88
7) Chloroethane	3.51	64	265132	10.367	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1628520	9.938	ppbv	99
9) Propene	2.96	41	522431	9.452	ppbv	97
10) Heptane	8.12	43	1481968	10.703	ppbv	100
11) Trichlorofluoromethane	3.91	101	1679840	10.289	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1168775	10.054	ppbv	99
13) Ethanol	3.56	45	157987	8.662	ppbv	96
14) Bromoethene	3.70	108	517488	10.772	ppbv	98
15) Acetone	3.81	43	1322464	8.967	ppbv	99
16) 1,3-Butadiene	3.28	39	642403	10.121	ppbv	99
17) tert-Butyl alcohol	4.25	59	1269167	9.672	ppbv	100
18) 1,1-Dichloroethene	4.25	96	542711	10.761	ppbv	97
19) Isopropyl Alcohol	3.93	45	952599	9.685	ppbv #	99
20) Methylene Chloride	4.31	84	480020	9.832	ppbv	93
21) Allyl Chloride	4.38	41	898831	10.789	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	534905	10.707	ppbv	98
23) Vinyl Acetate	5.04	43	1953156	10.444	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1437296	9.978	ppbv	99
25) Ethyl Acetate	5.65	43	2538438	10.246	ppbv	100
26) Hexane	5.66	57	1124470	10.470	ppbv	100
27) Carbon Disulfide	4.51	76	1400897	11.066	ppbv	98
28) Methyl tert-Butyl Ether	5.00	73	1626969	9.946	ppbv	99
29) Chloroform	5.73	83	1766528	10.052	ppbv	100
30) Cyclohexane	7.12	84	936840	11.303	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1142004	10.898	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1686109	10.624	ppbv	100
34) 2-Butanone	5.21	43	1631478	10.154	ppbv	99
35) Carbon Tetrachloride	7.01	117	1745786	10.699	ppbv	98
36) Benzene	6.88	78	2238578	10.503	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1376120	10.467	ppbv	100
38) Trichloroethene	7.83	130	861767	10.437	ppbv	96
39) 1,2-Dichloropropane	7.61	63	867966	10.158	ppbv	96
40) 1,4-Dioxane	7.82	88	348501	10.035	ppbv	94
41) Tetrahydrofuran	6.02	42	906682	10.718	ppbv	98
42) Bromodichloromethane	7.78	83	1888827	10.652	ppbv	97
43) Methyl Methacrylate	8.01	69	1028045	11.423	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035078.D
Acq On : 22 May 2020 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 22 23:12:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3897906	10.286	ppbv		100
45) t-1,3-Dichloropropene	9.28	75	1136598	12.514	ppbv		98
46) cis-1,3-Dichloropropene	8.71	75	1347632	12.085	ppbv		100
47) 1,1,2-Trichloroethane	9.48	97	943797	10.467	ppbv		95
48) Dibromochloromethane	10.31	129	1560824	11.257	ppbv		100
49) Bromoform	13.06	173	1347822	11.297	ppbv		100
50) 4-Methyl-2-Pentanone	8.74	43	2446303	10.677	ppbv		100
51) 2-Hexanone	10.13	43	2018973	11.266	ppbv		100
52) Tetrachloroethene	11.23	164	788371	10.402	ppbv		97
53) Toluene	9.81	91	2604031	11.525	ppbv		100
54) 1,2-Dibromoethane	10.62	107	1419979	10.724	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1146811	8.048	ppbv		98
57) Chlorobenzene	12.16	112	1969929	7.869	ppbv		98
58) Ethyl Benzene	12.72	91	3482557	8.913	ppbv		98
59) m/p-Xylene	13.01	91	2165857	6.300	ppbv	#	57
60) o-Xylene	13.71	91	2879427	8.488	ppbv		100
61) Styrene	13.54	104	2049263	9.545	ppbv		99
62) Isopropylbenzene	14.69	105	4225990	8.344	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2008784	7.522	ppbv		99
64) n-propylbenzene	15.58	120	1109332	8.539	ppbv		100
65) tert-Butylbenzene	16.77	119	3638650	8.283	ppbv		99
66) Benzyl Chloride	17.01	91	1377642	9.238	ppbv		99
67) sec-Butylbenzene	17.32	105	5187900	8.273	ppbv		99
69) p-Isopropyltoluene	17.67	119	4217902	8.314	ppbv		99
70) n-Butylbenzene	18.58	91	4493879	8.323	ppbv		99
71) 2-Chlorotoluene	15.47	91	3258782	8.523	ppbv		100
72) 4-Ethyltoluene	15.86	105	3338989	8.822	ppbv		99
73) 1,3,5-Trimethylbenzene	16.02	105	3112022	8.449	ppbv		98
74) 1,2,4-Trimethylbenzene	16.78	105	3203263	7.967	ppbv	#	88
75) 1,3-Dichlorobenzene	17.02	146	1840505	7.796	ppbv		98
76) 1,4-Dichlorobenzene	17.17	146	1827425	8.147	ppbv		100
77) 1,2-Dichlorobenzene	17.84	146	1762318	7.923	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	1497568	7.898	ppbv		98
79) Naphthalene	22.24	128	3182559	10.165	ppbv		100
80) Naphthalene,2-methyl-	25.00	142	1464584	19.030	ppbv		97
81) 1,2,4-Trichlorobenzene	21.97	180	929937	4.898	ppbv	#	30

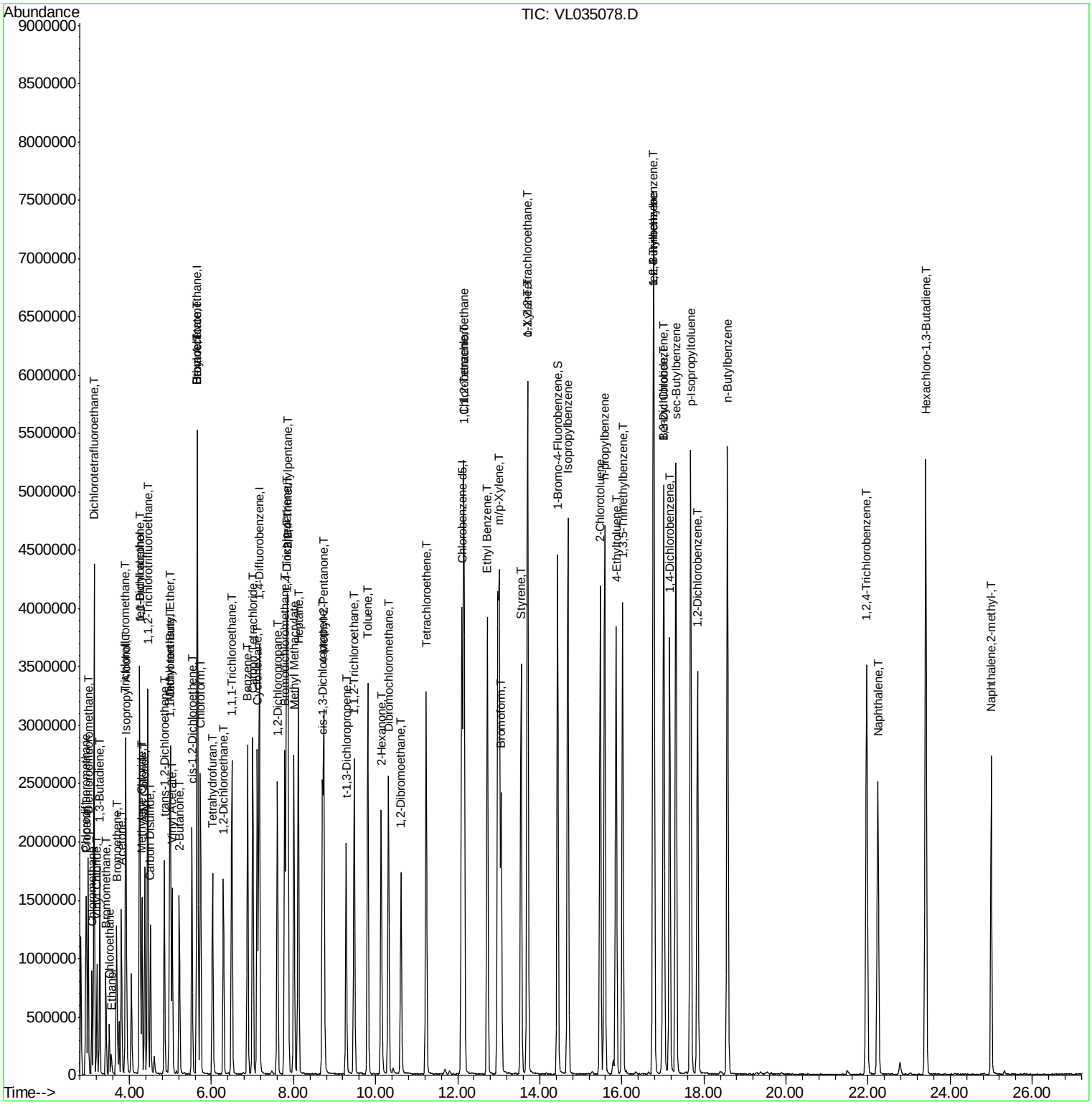
(#) = qualifier out of range (m) = manual integration (+) = signals summed

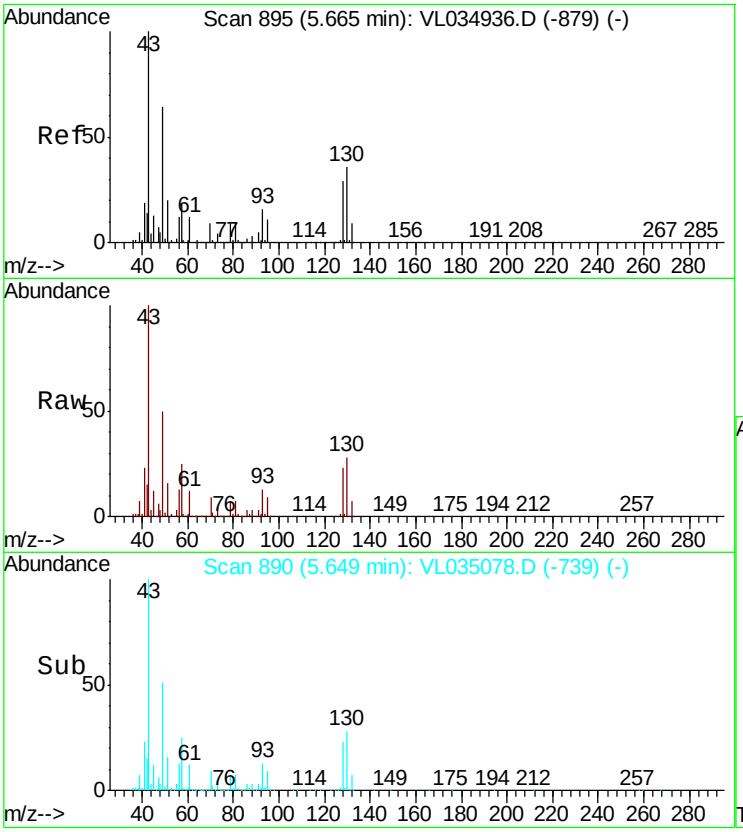
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035078.D
Acq On : 22 May 2020 9:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 22 23:12:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



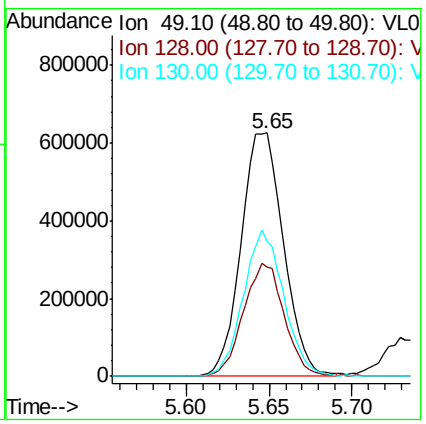


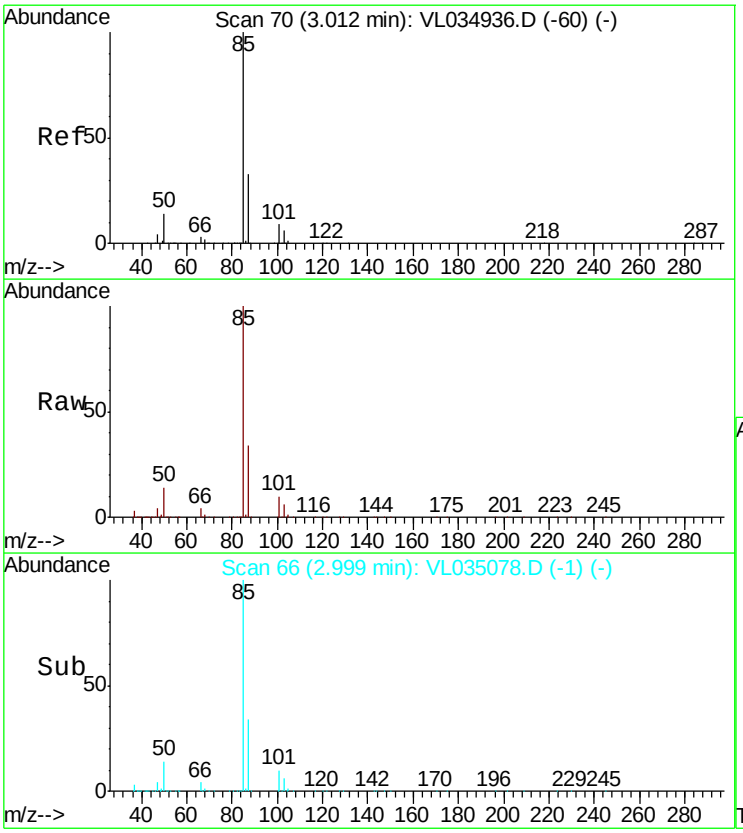
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1115603

Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.1	66.5
130	57.2	29.1	87.3

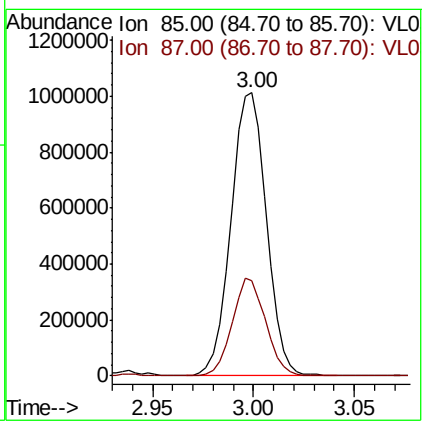


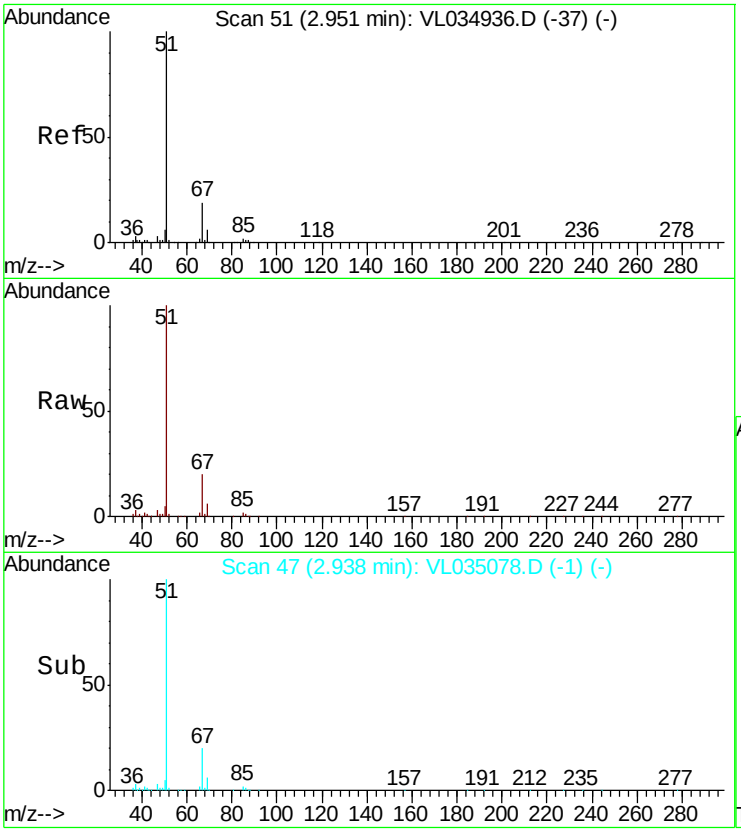


#2
Dichlorodifluoromethane
Concen: 7.878 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 85 Resp: 1247316

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.2



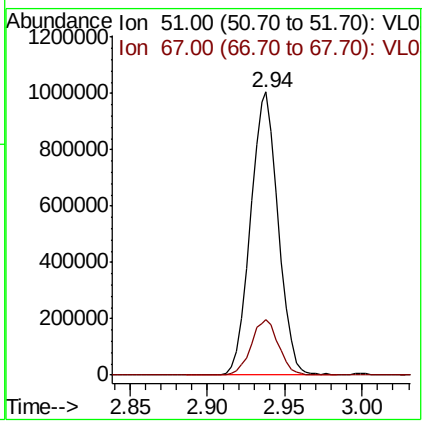


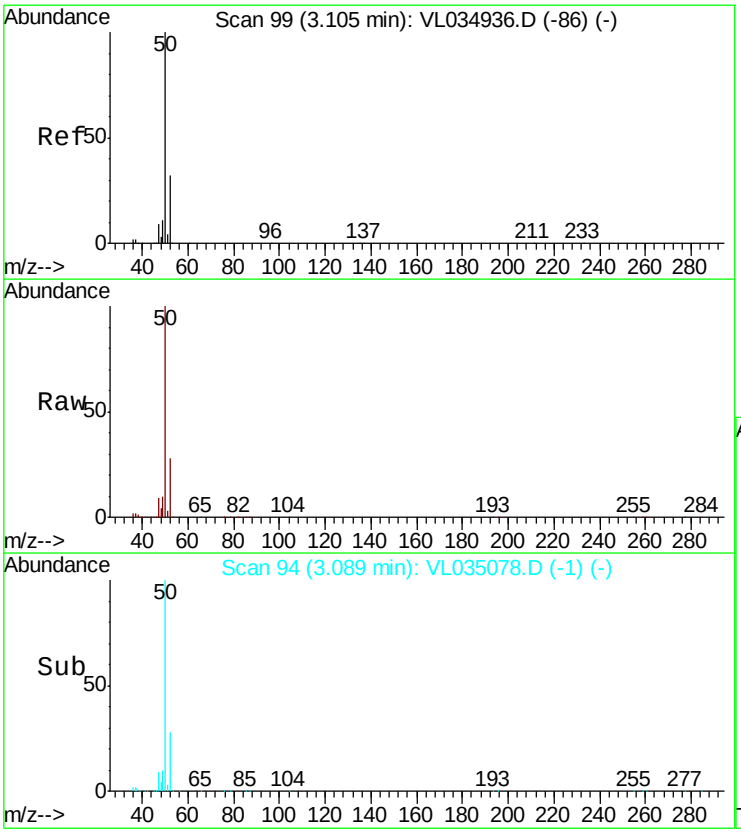
#3
Chlorodifluoromethane
Concen: 9.842 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1253562

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.0	22.6

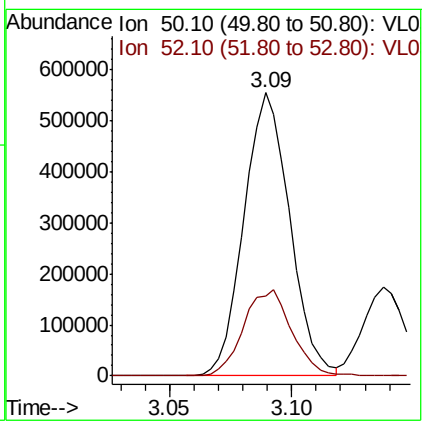


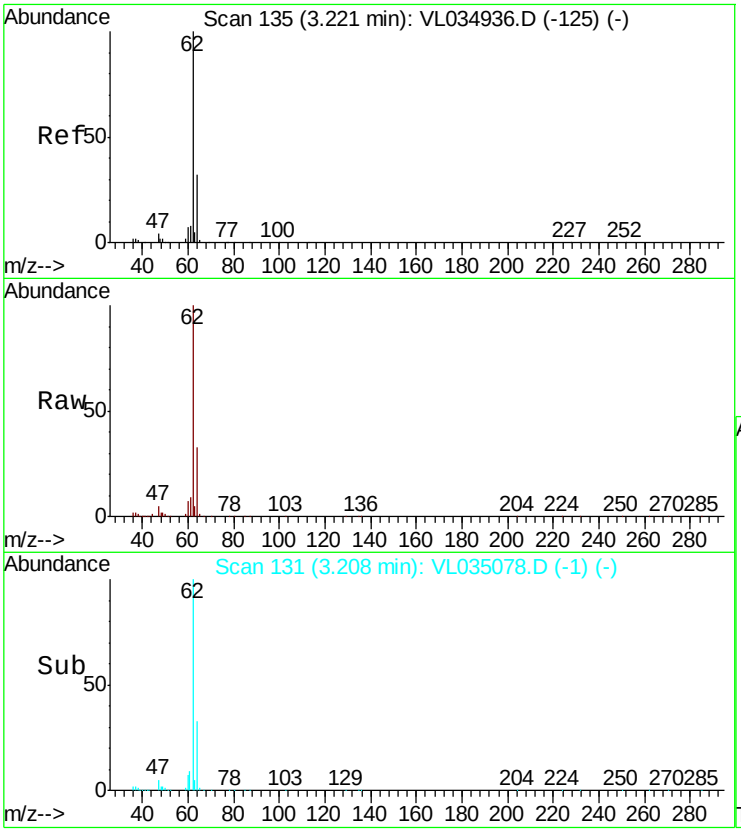


#4
Chloromethane
Concen: 9.888 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 50 Resp: 721783

Ion	Ratio	Lower	Upper
50	100		
52	28.3	25.4	38.2



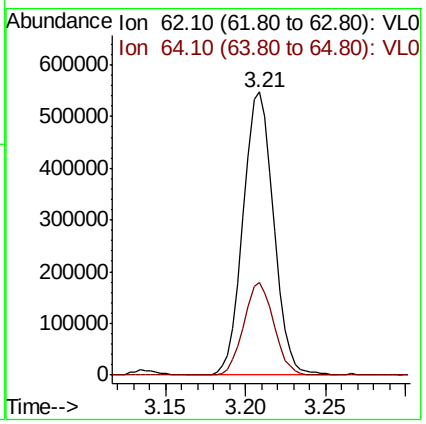


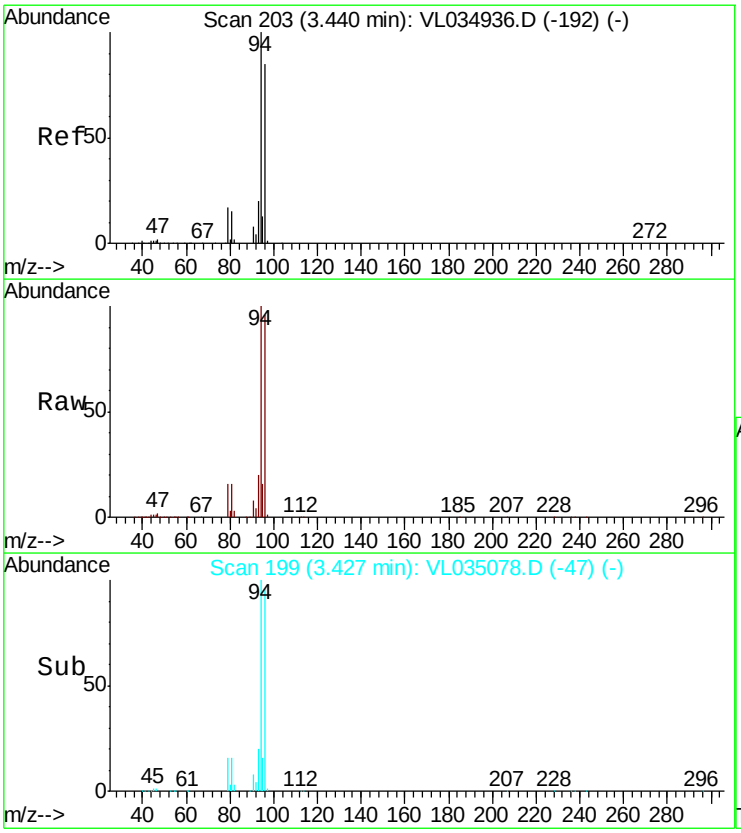
#5
Vinyl Chloride
Concen: 9.922 ppbv
RT: 3.21 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 706567

Ion	Ratio	Lower	Upper
62	100		
64	33.0	25.7	38.5

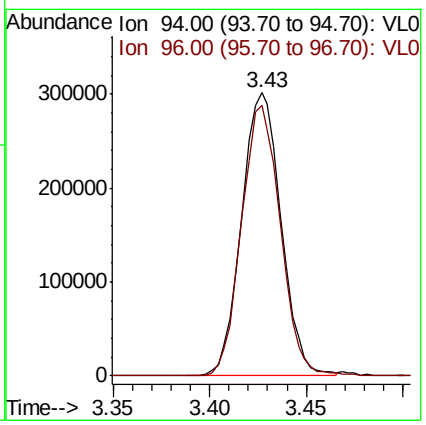


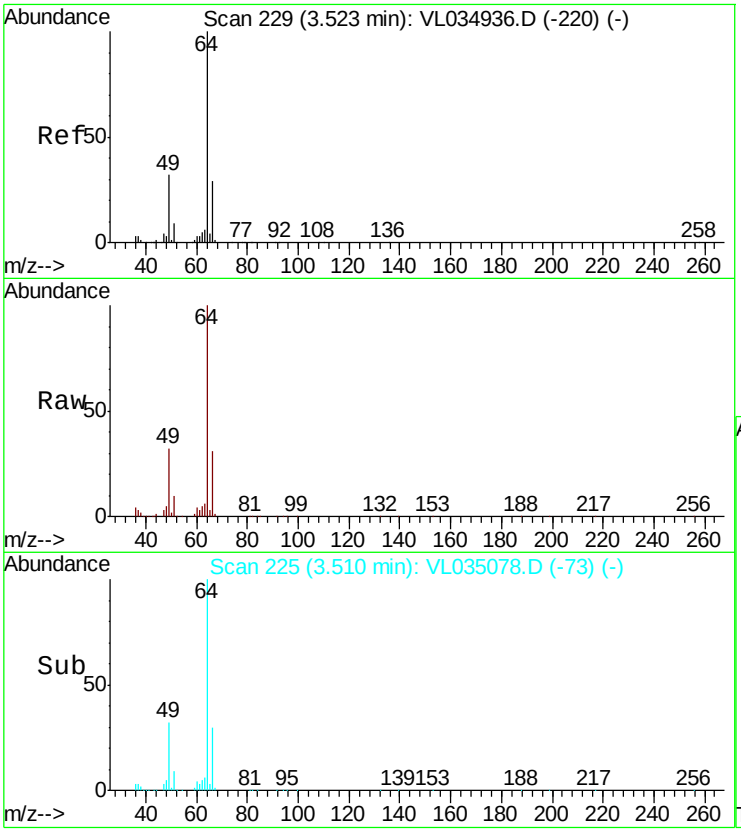


#6
Bromomethane
Concen: 10.082 ppbv
RT: 3.43 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 94 Resp: 428664

Ion	Ratio	Lower	Upper
94	100		
96	95.7	67.9	101.9

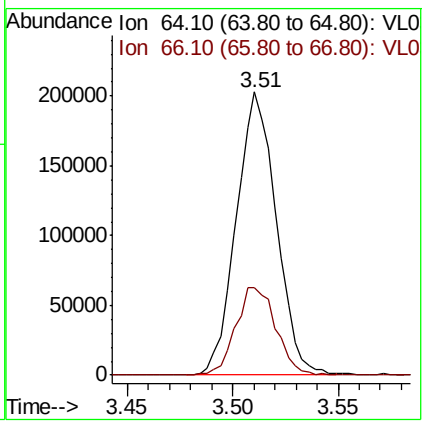




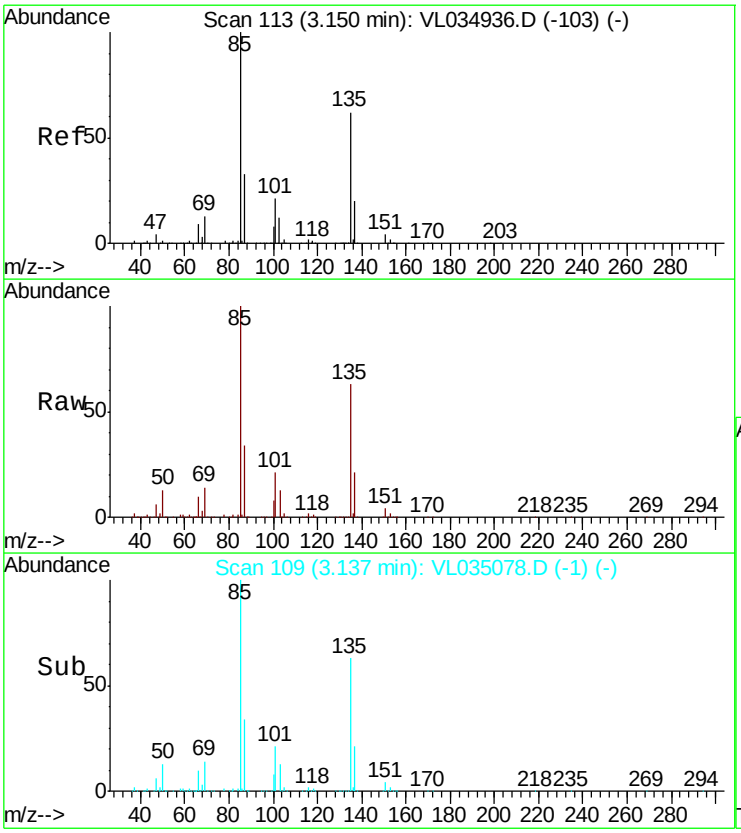
#7
Chloroethane
Concen: 10.367 ppbv
RT: 3.51 min Scan# 225
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 64 Resp: 265132

Ion	Ratio	Lower	Upper
64	100		
66	30.7	23.2	34.8



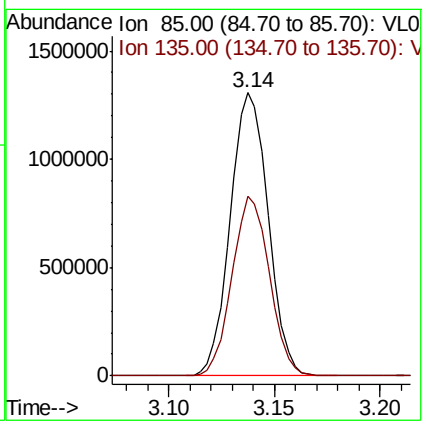
Instrument :
MSVOA_L
ClientSampleId :

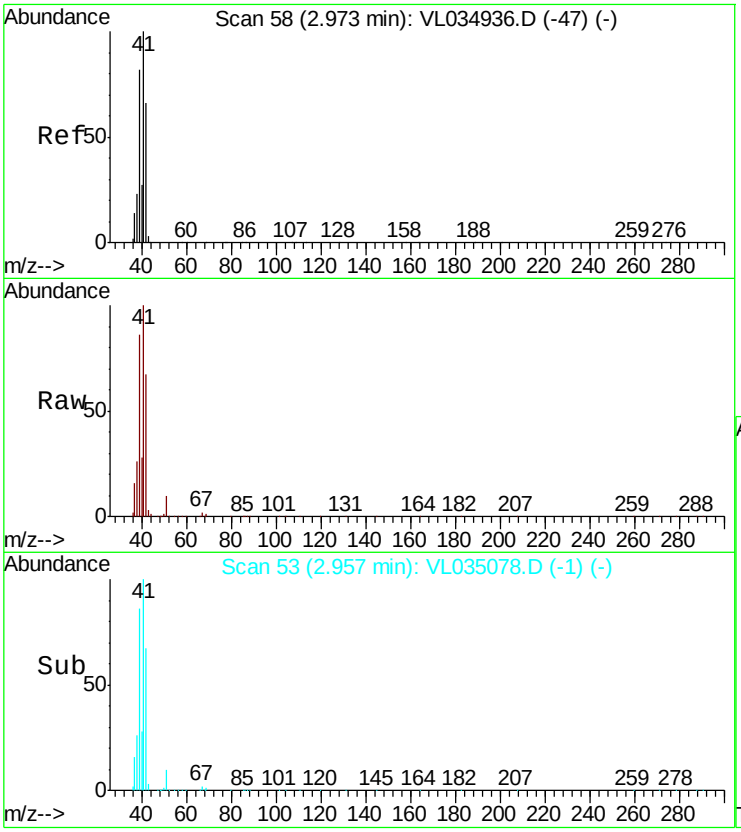


#8
Dichlorotetrafluoroethane
Concen: 9.938 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 85 Resp: 1628520

Ion	Ratio	Lower	Upper
85	100		
135	62.9	50.9	76.3



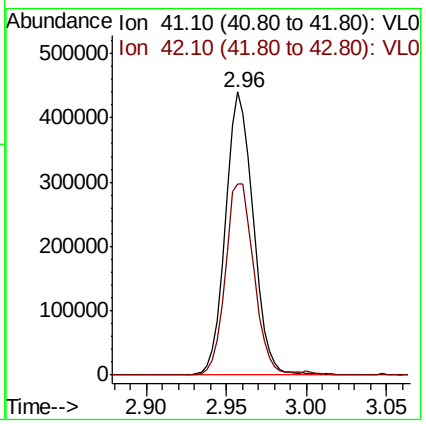


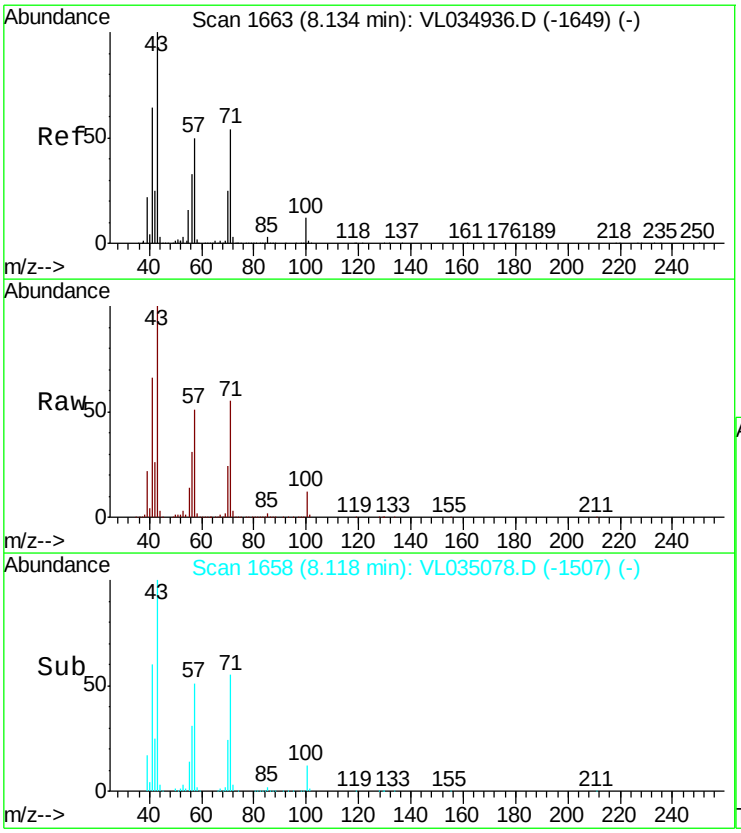
#9
Propene
Concen: 9.452 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 522431

Ion	Ratio	Lower	Upper
41	100		
42	70.3	54.5	81.7

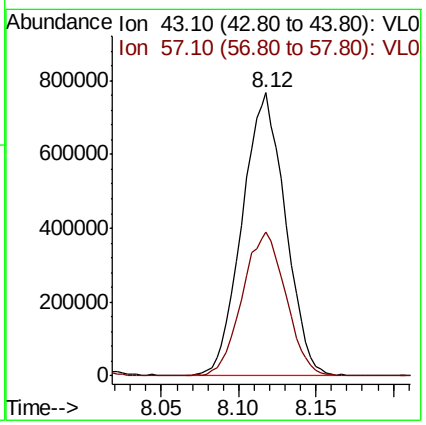


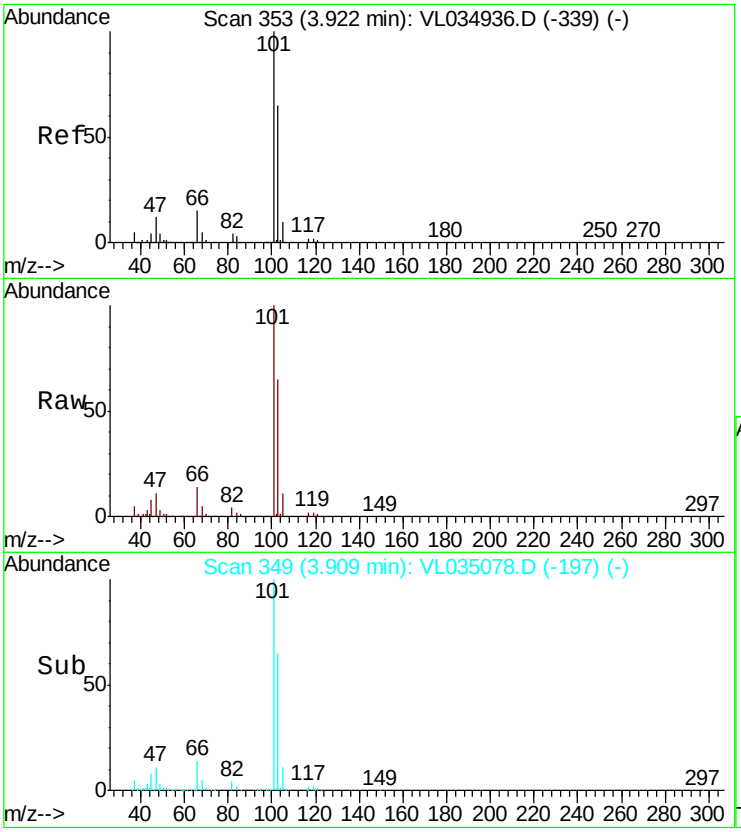


#10
Heptane
Concen: 10.703 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 43 Resp: 1481968

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.1	61.7



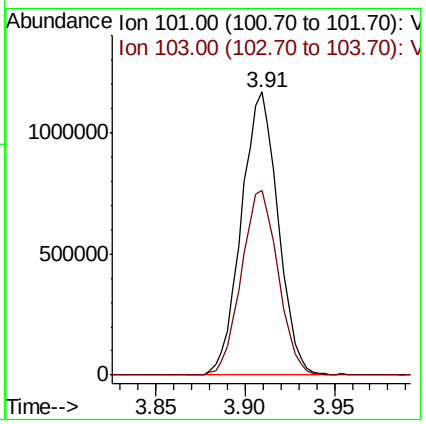


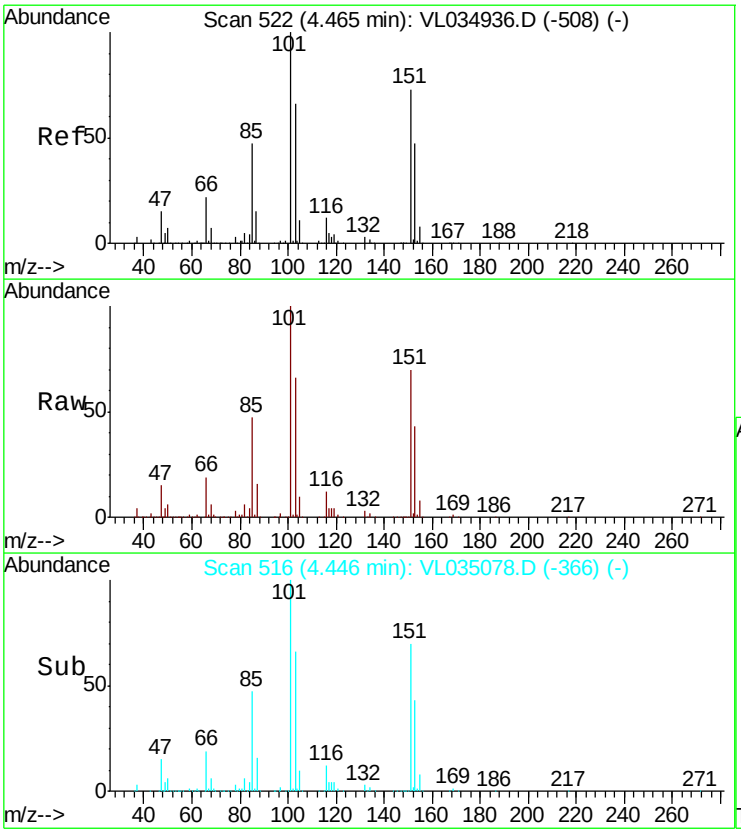
#11
Trichlorofluoromethane
Concen: 10.289 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1679840

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9

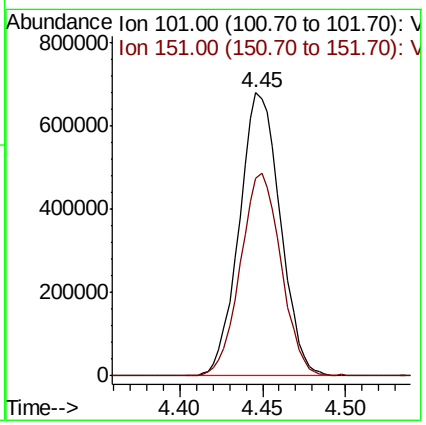


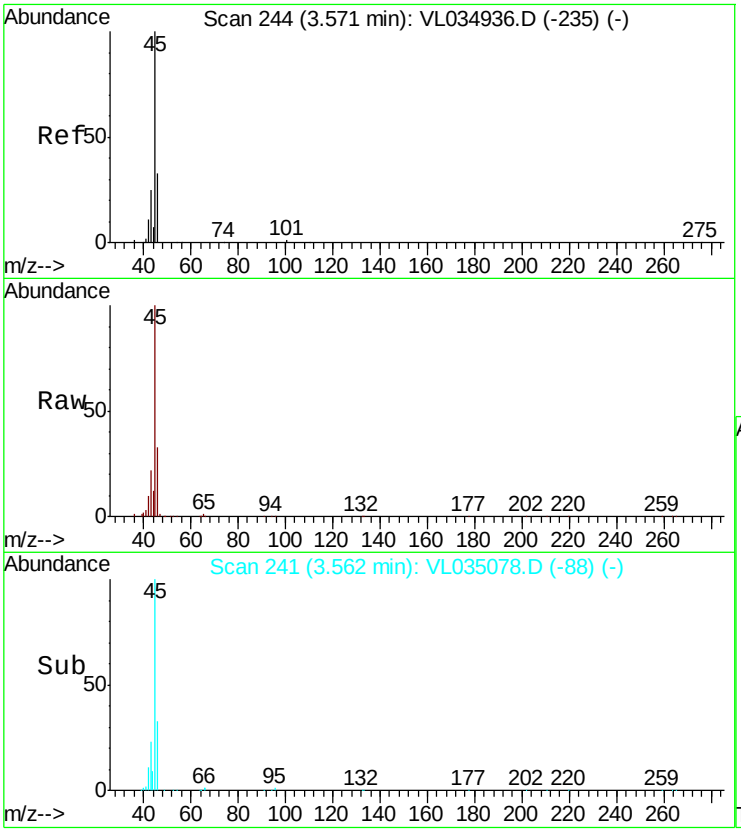


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.054 ppbv
RT: 4.45 min Scan# 516
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:101 Resp: 1168775

Ion	Ratio	Lower	Upper
101	100		
151	70.9	57.6	86.4



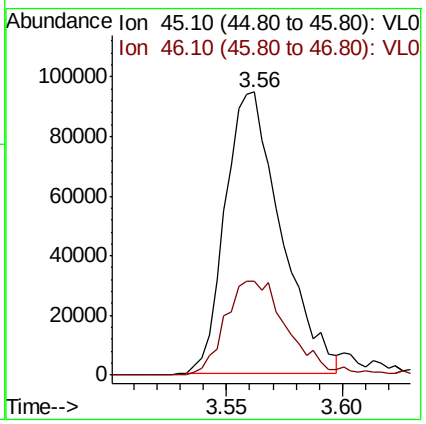


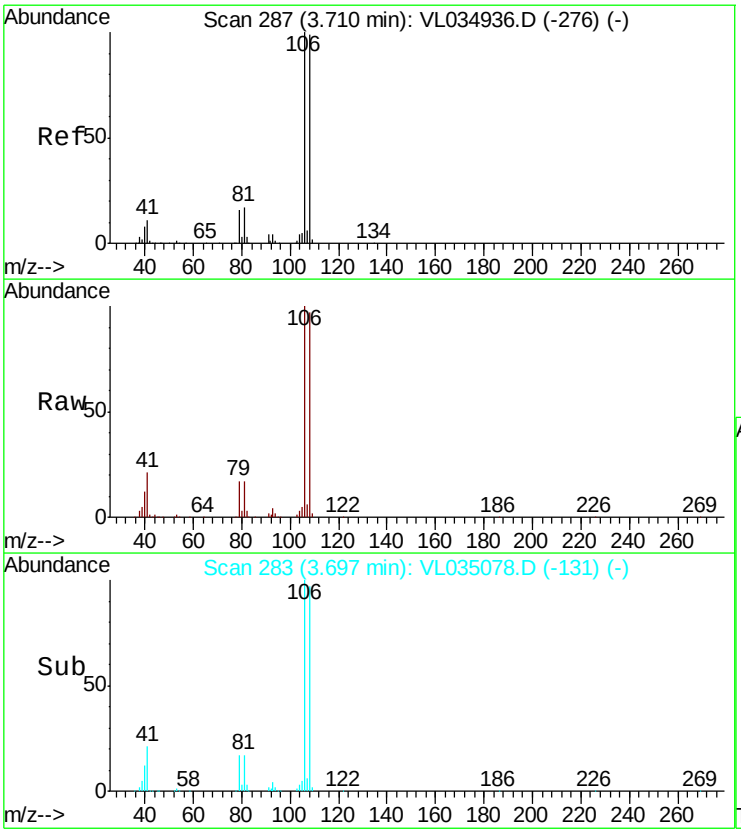
#13
Ethanol
Concen: 8.662 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 157987

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.3	57.3

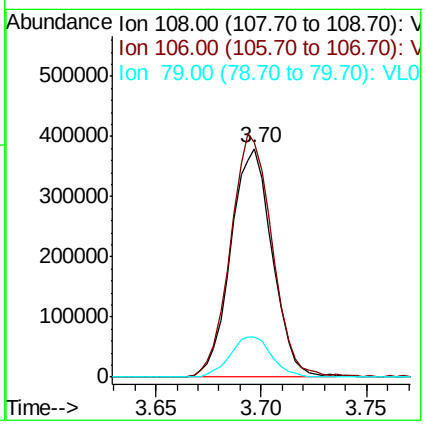


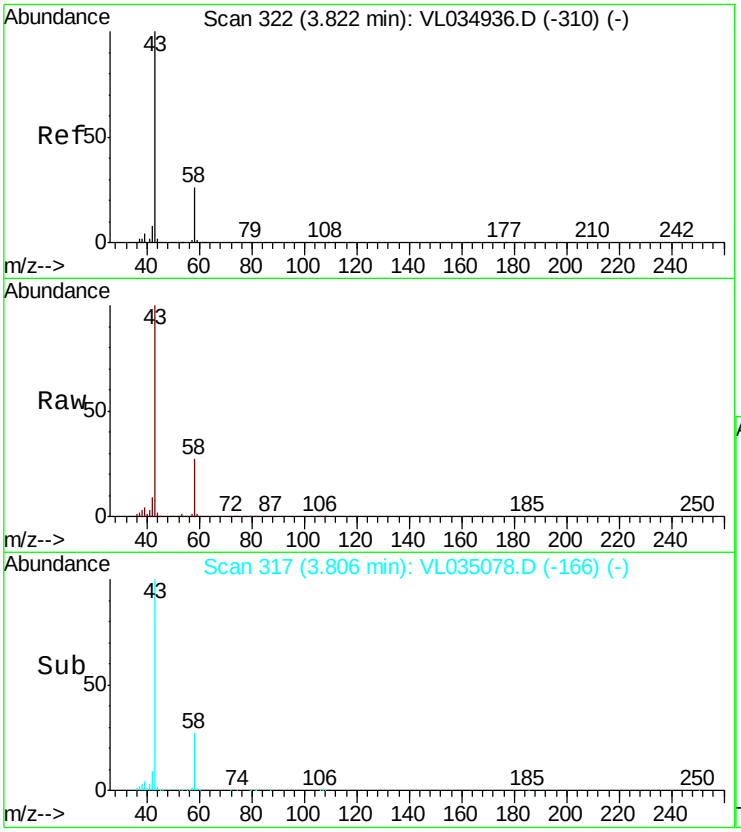


#14
Bromoethene
Concen: 10.772 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:108 Resp: 517488

Ion	Ratio	Lower	Upper
108	100		
106	107.6	84.9	127.3
79	18.3	14.1	21.1



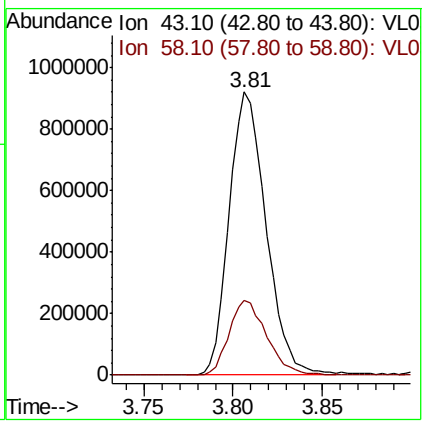


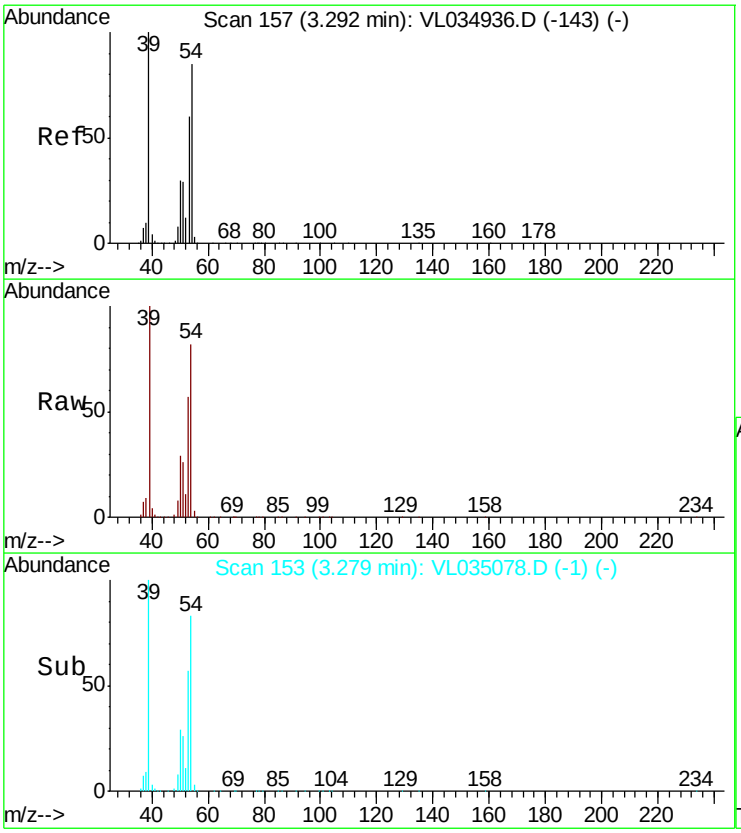
#15
Acetone
Concen: 8.967 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1322464

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.7	32.5

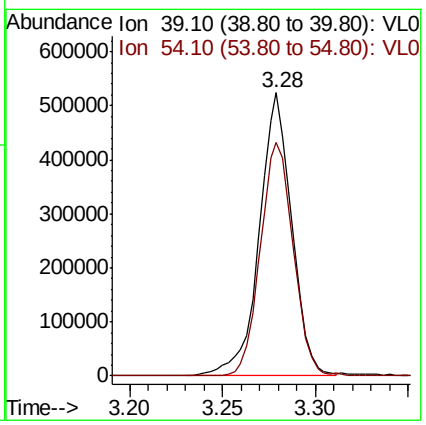


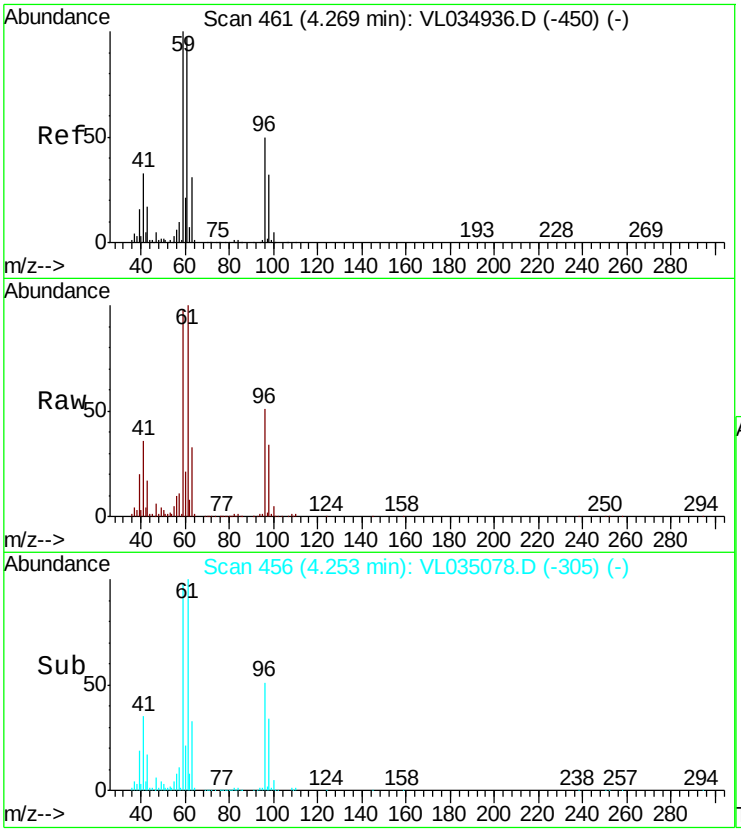


#16
1,3-Butadiene
Concen: 10.121 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.01 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 39 Resp: 642403

Ion	Ratio	Lower	Upper
39	100		
54	84.0	66.6	100.0



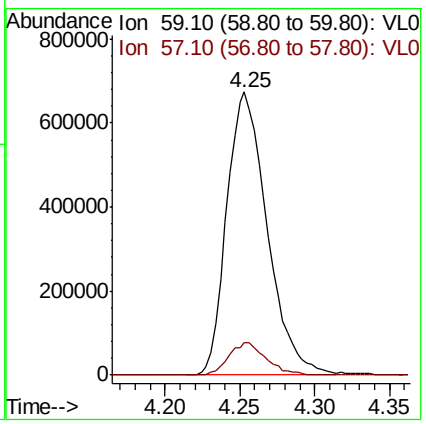


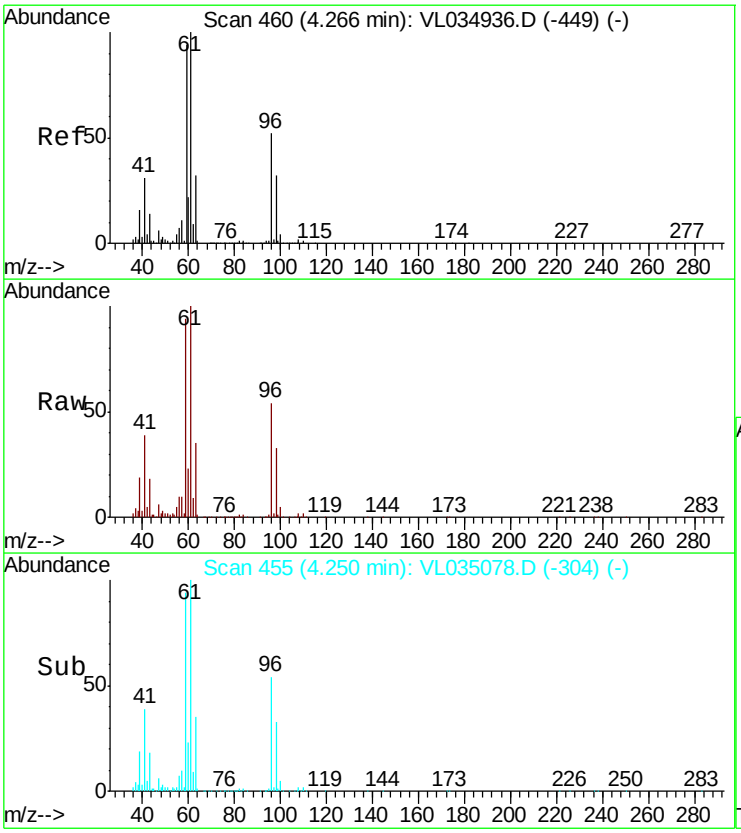
#17
tert-Butyl alcohol
Concen: 9.672 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1269167

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

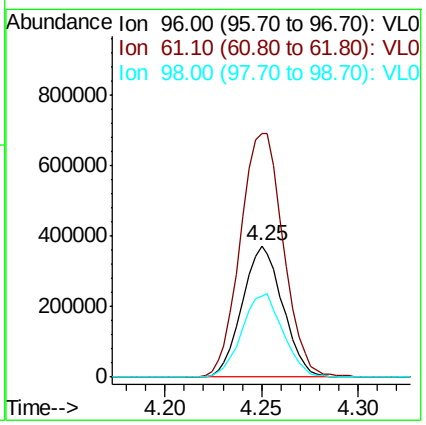


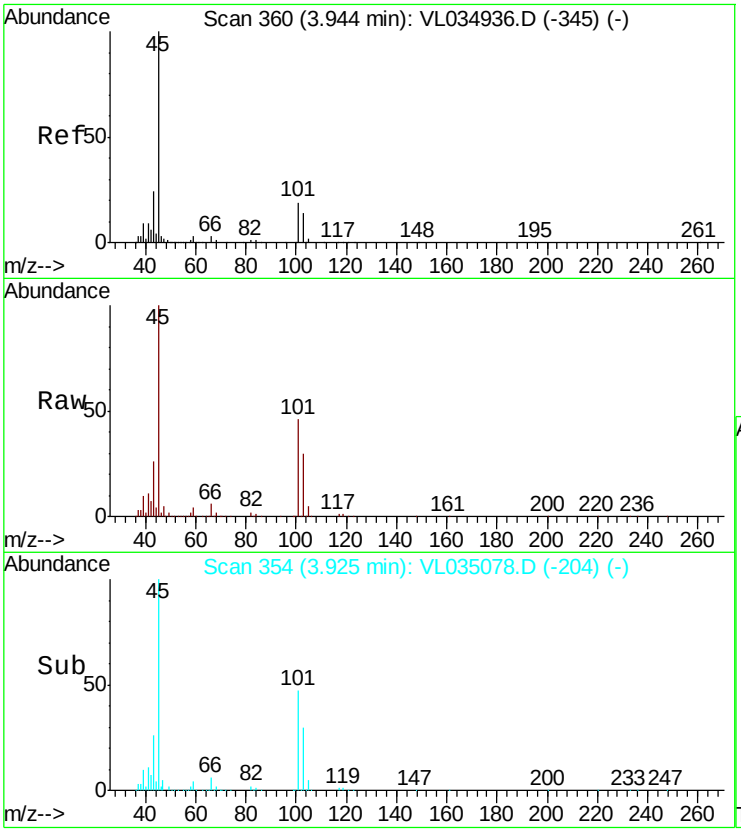


#18
1,1-Dichloroethene
Concen: 10.761 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 96 Resp: 542711

Ion	Ratio	Lower	Upper
96	100		
61	185.1	152.4	228.6
98	61.7	48.8	73.2



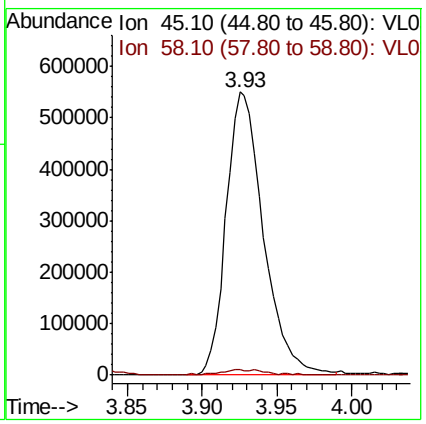


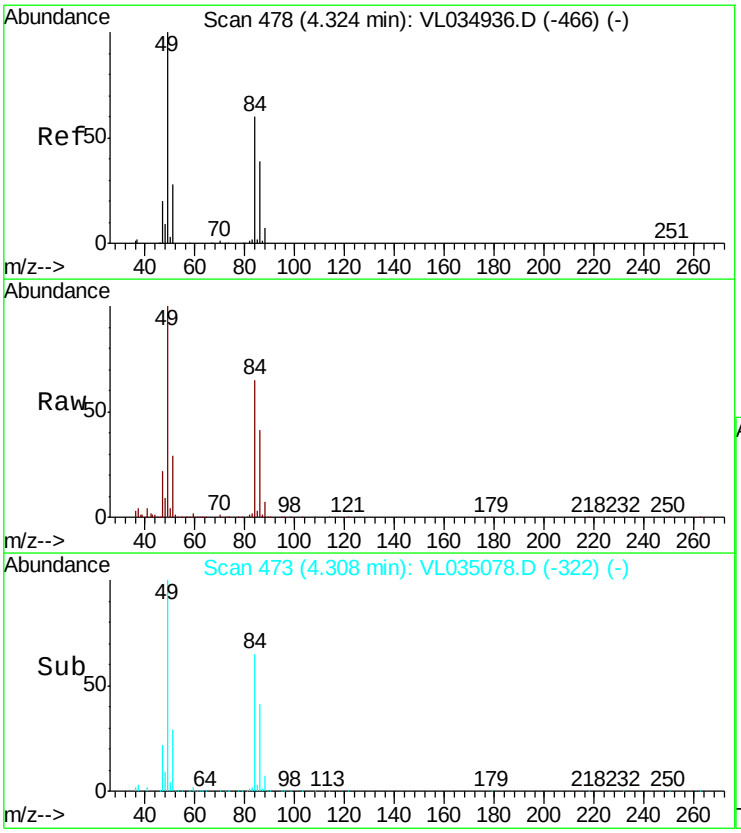
#19
Isopropyl Alcohol
Concen: 9.685 ppbv
RT: 3.93 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 952599

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.7	2.5#

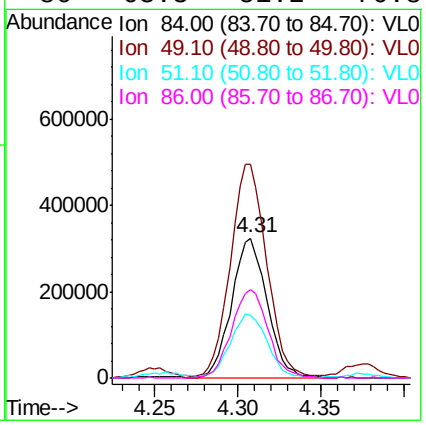


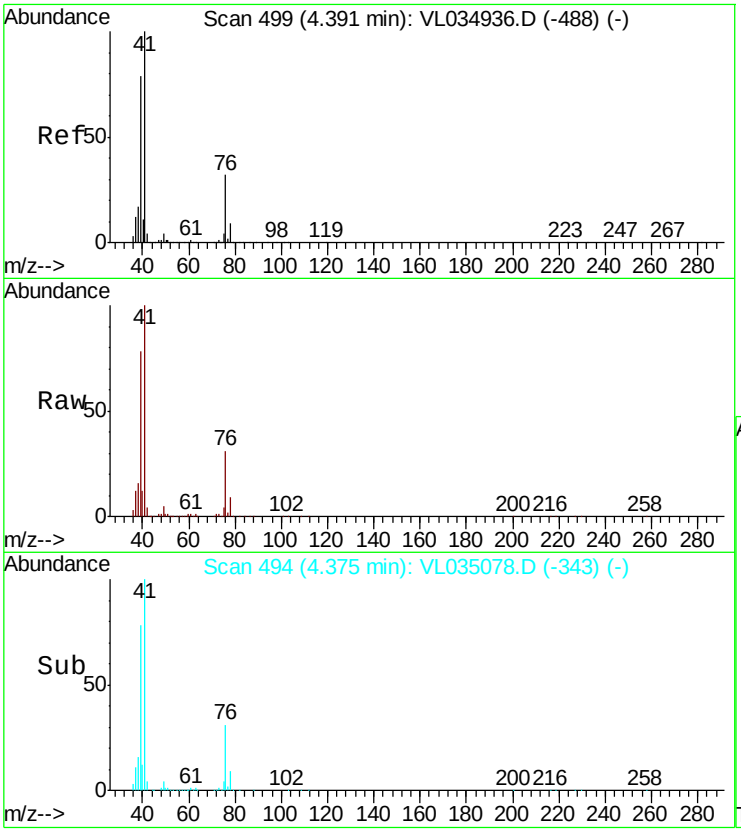


#20
Methylene Chloride
Concen: 9.832 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 84 Resp: 480020

Ion	Ratio	Lower	Upper
84	100		
49	151.7	132.5	198.7
51	44.0	38.4	57.6
86	63.3	51.2	76.8



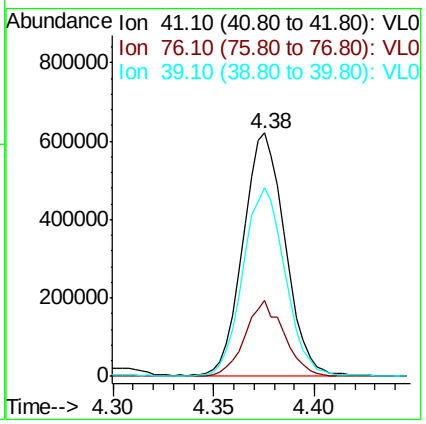


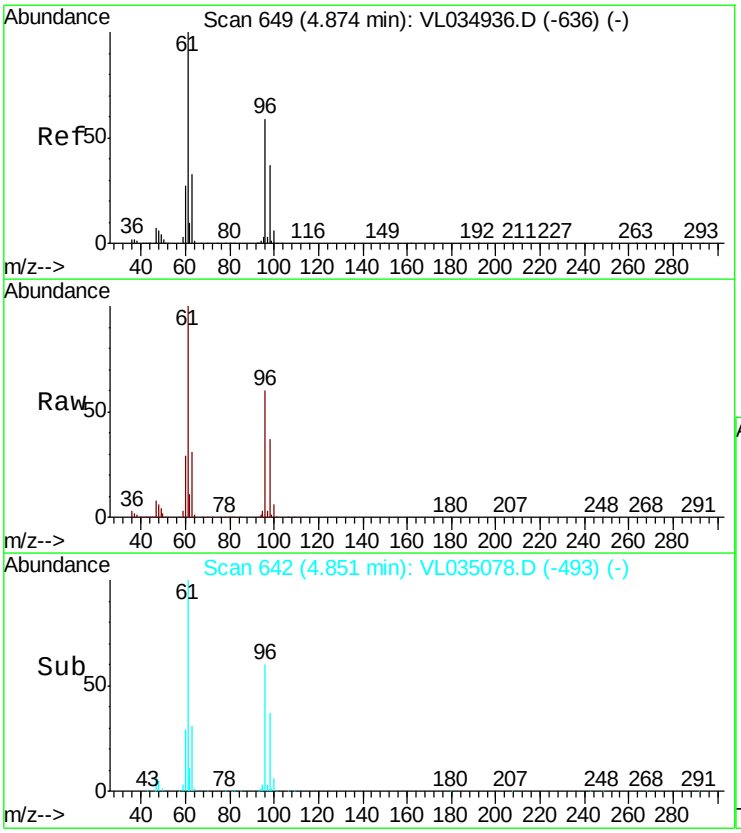
#21
Allyl Chloride
Concen: 10.789 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 898831

Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.6	35.4
39	78.6	61.9	92.9

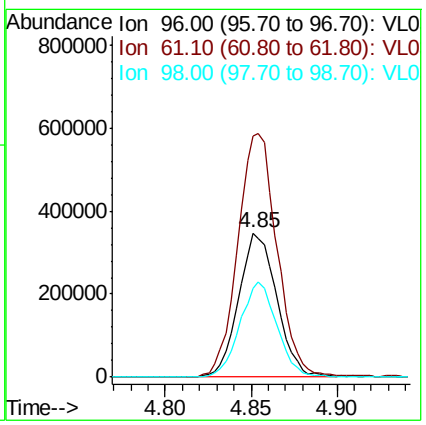


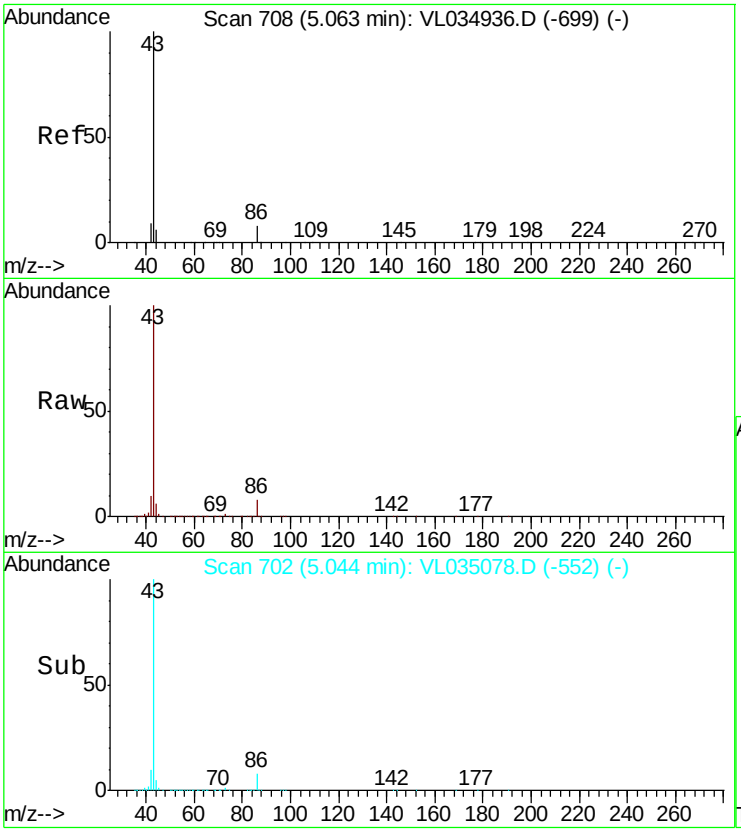


#22
trans-1,2-Dichloroethene
Concen: 10.707 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 96 Resp: 534905

Ion	Ratio	Lower	Upper
96	100		
61	167.3	135.3	202.9
98	61.1	50.4	75.6



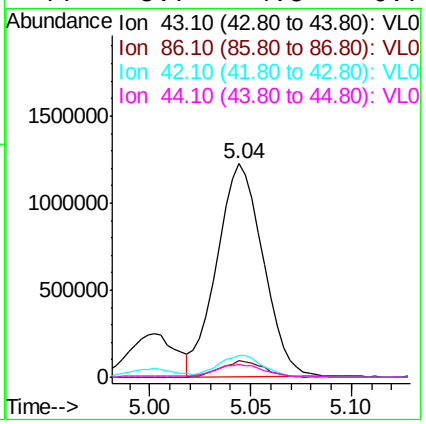


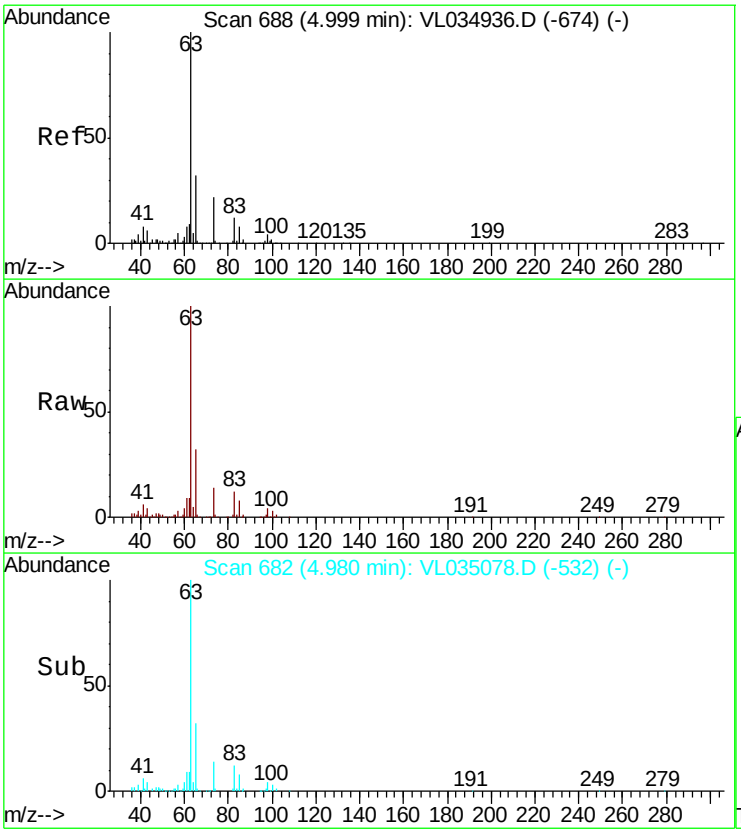
#23
Vinyl Acetate
Concen: 10.444 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1953156

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.9	8.0	12.0
44	5.7	4.5	6.7

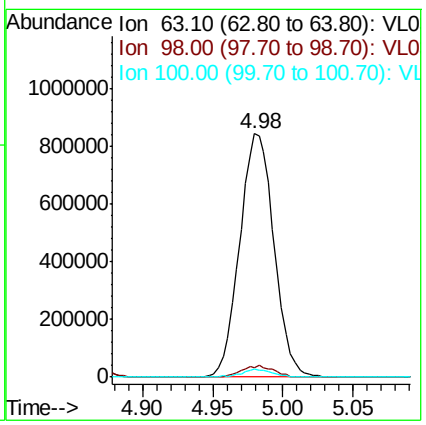


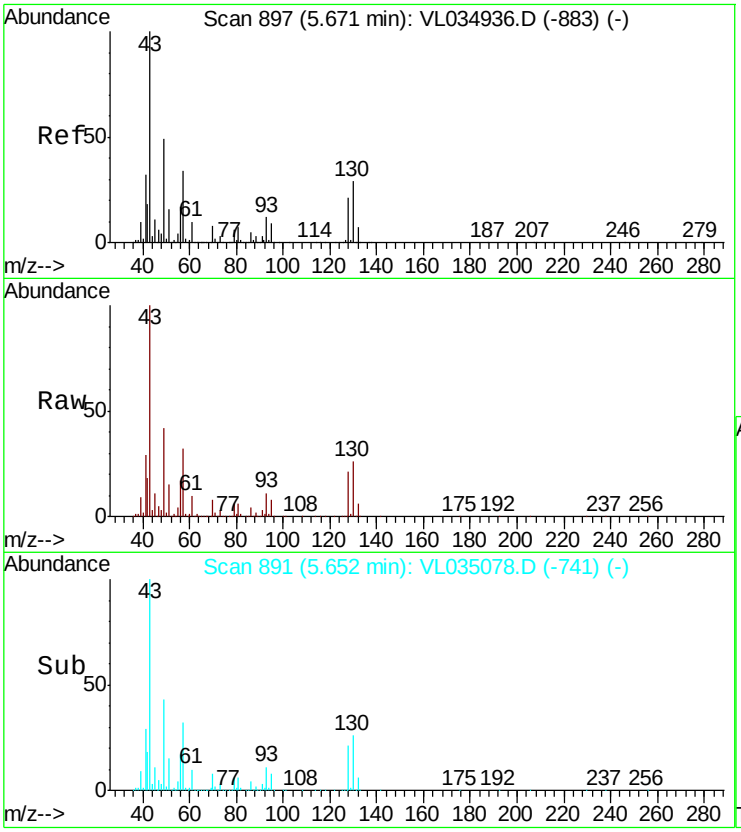


#24
1,1-Dichloroethane
Concen: 9.978 ppbv
RT: 4.98 min Scan# 682
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 63 Resp: 1437296

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	3.3	1.1	3.5



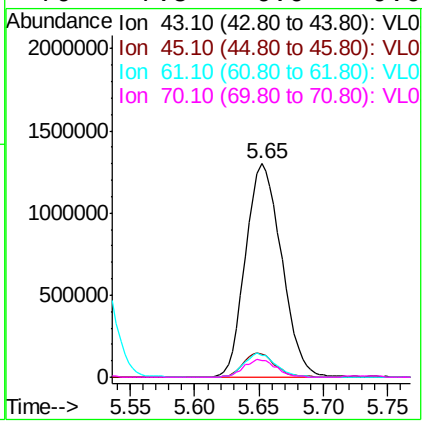


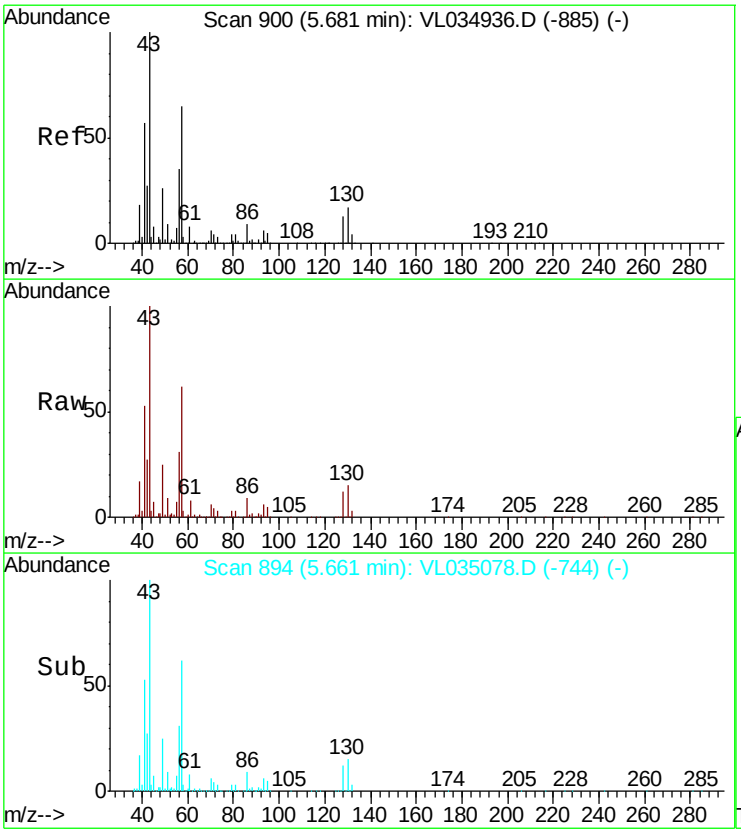
#25
Ethyl Acetate
Concen: 10.246 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2538438

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.9	7.8	11.8
70	7.5	6.0	9.0

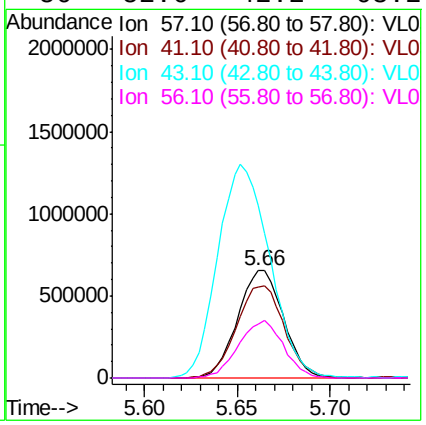


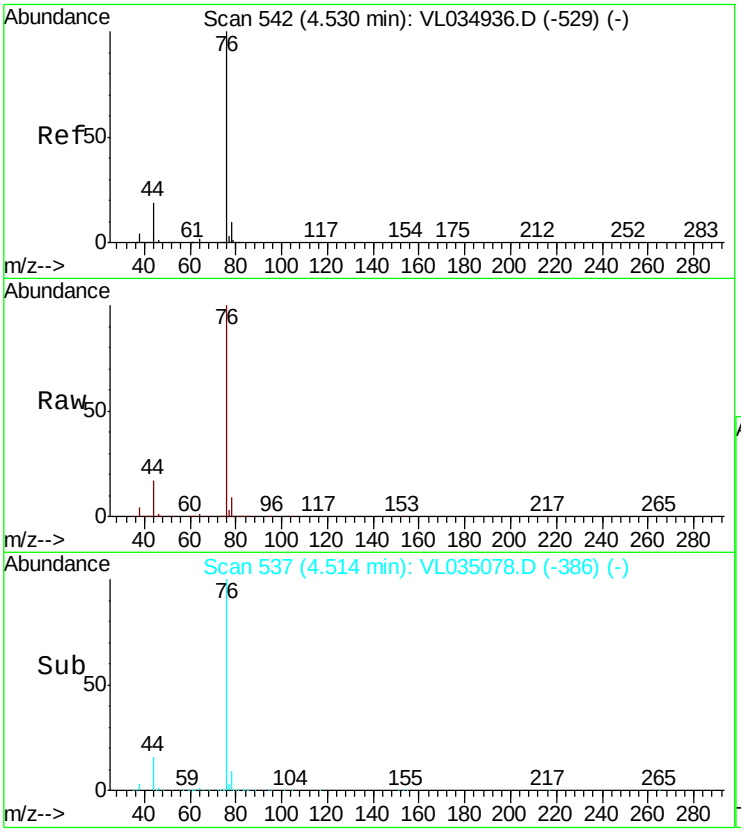


#26
Hexane
Concen: 10.470 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 57 Resp: 1124470

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.7	109.1
43	226.6	182.1	273.1
56	52.6	42.2	63.2



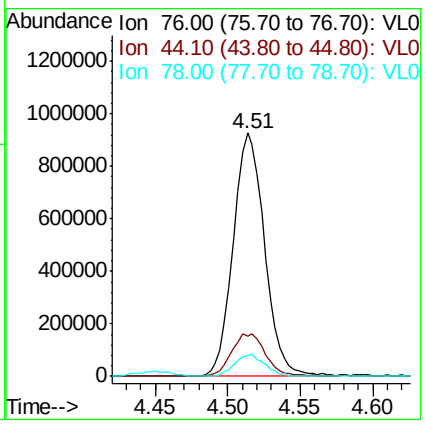


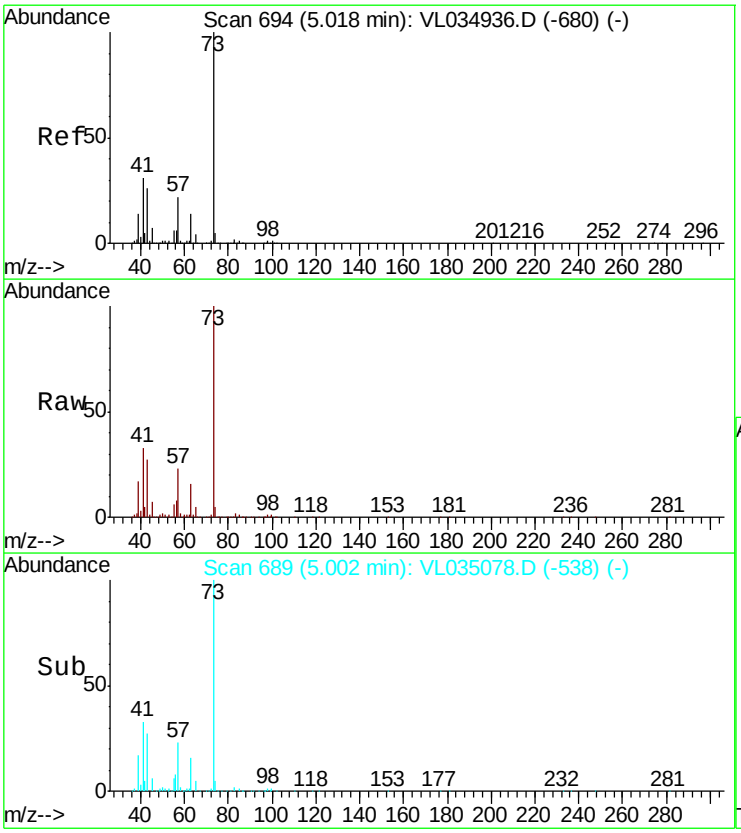
#27
Carbon Disulfide
Concen: 11.066 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1400897

Ion	Ratio	Lower	Upper
76	100		
44	18.2	15.2	22.8
78	9.0	7.7	11.5

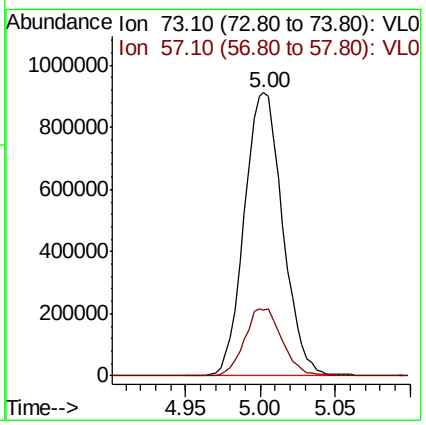


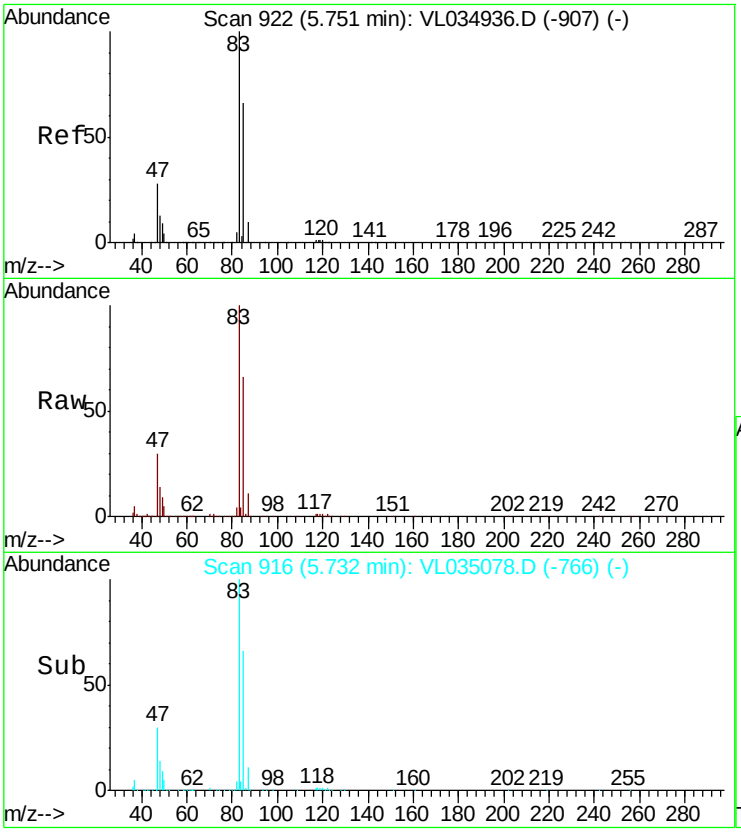


#28
Methyl tert-Butyl Ether
Concen: 9.946 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 73 Resp: 1626969

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5



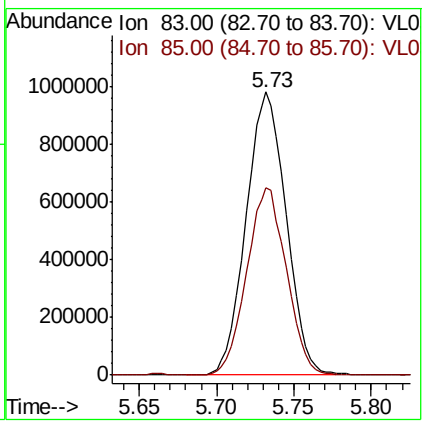


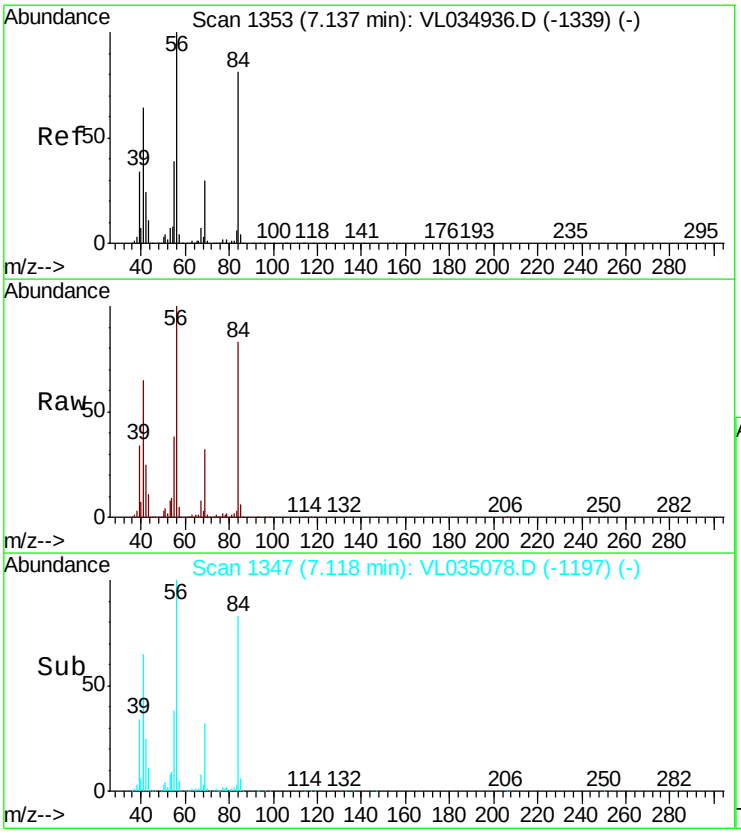
#29
Chloroform
Concen: 10.052 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1766528

Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.0	79.6

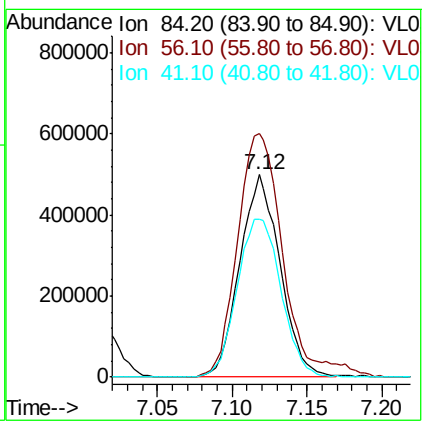


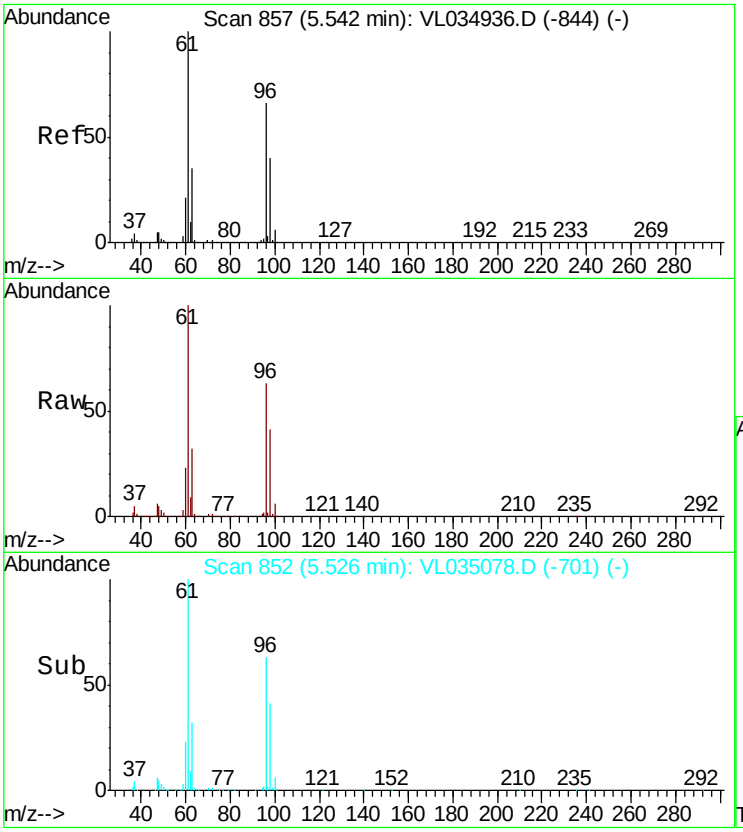


#30
Cyclohexane
Concen: 11.303 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 84 Resp: 936840

Ion	Ratio	Lower	Upper
84	100		
56	136.4	111.4	167.2
41	85.3	66.7	100.1



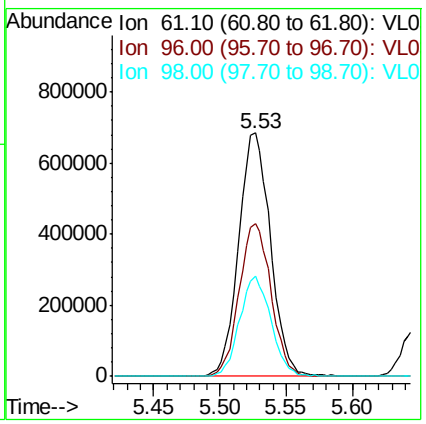


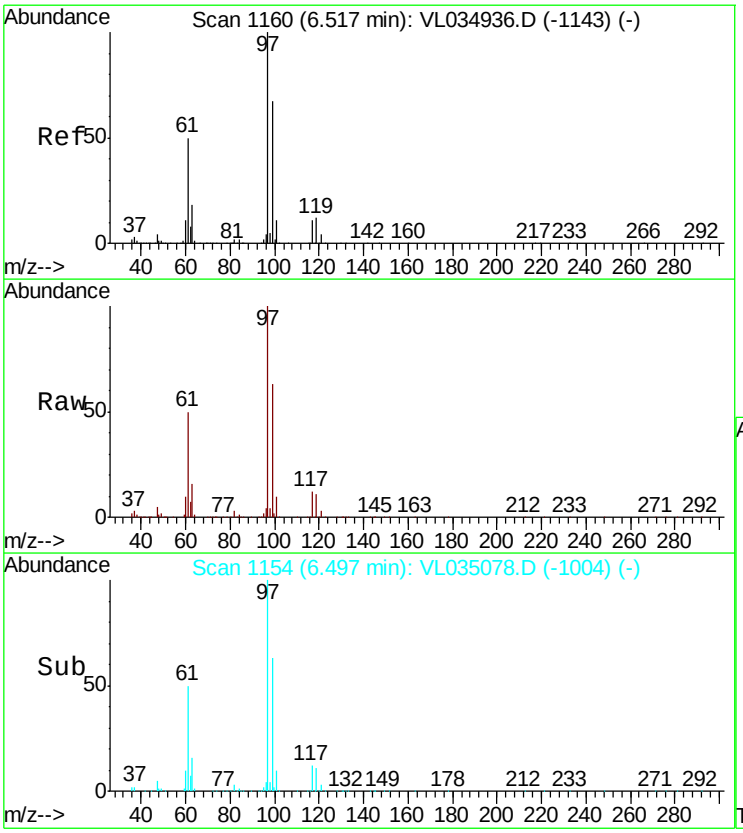
#31
cis-1,2-Dichloroethene
Concen: 10.898 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1142004

Ion	Ratio	Lower	Upper
61	100		
96	62.7	53.0	79.6
98	40.9	32.2	48.2

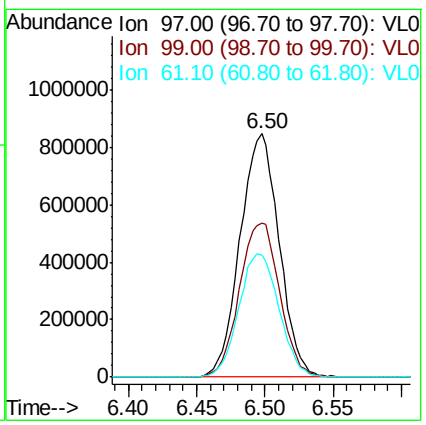


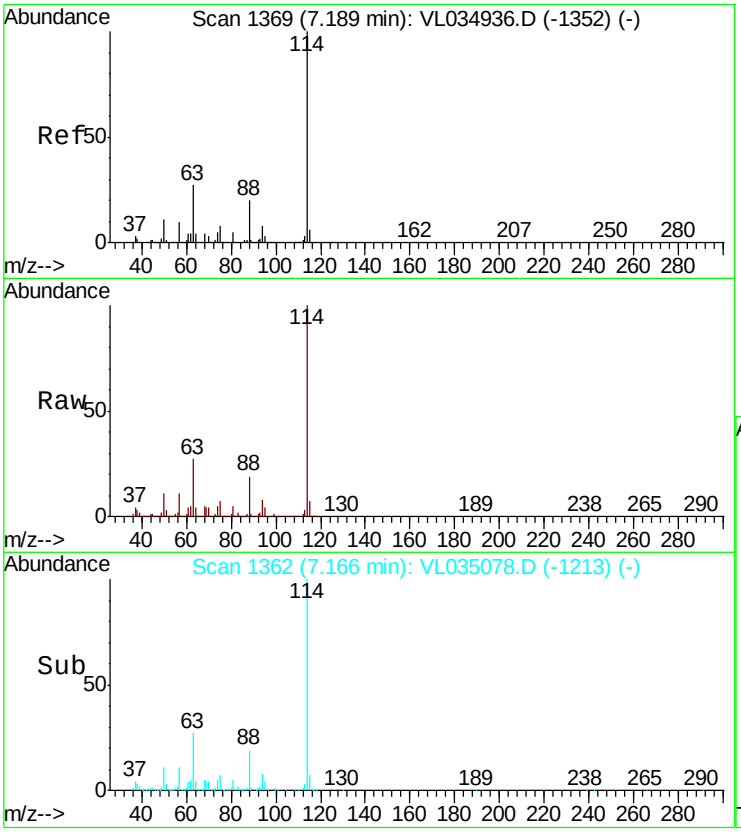


#32
1,1,1-Trichloroethane
Concen: 10.624 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 97 Resp: 1686109

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	52.4	41.8	62.8



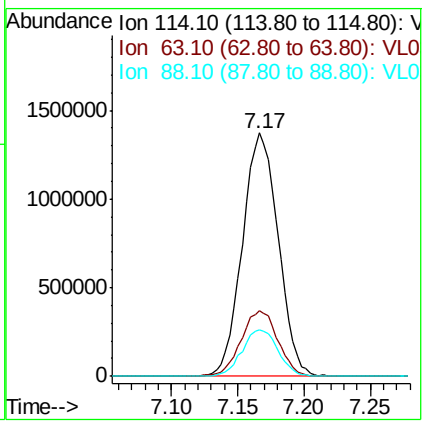


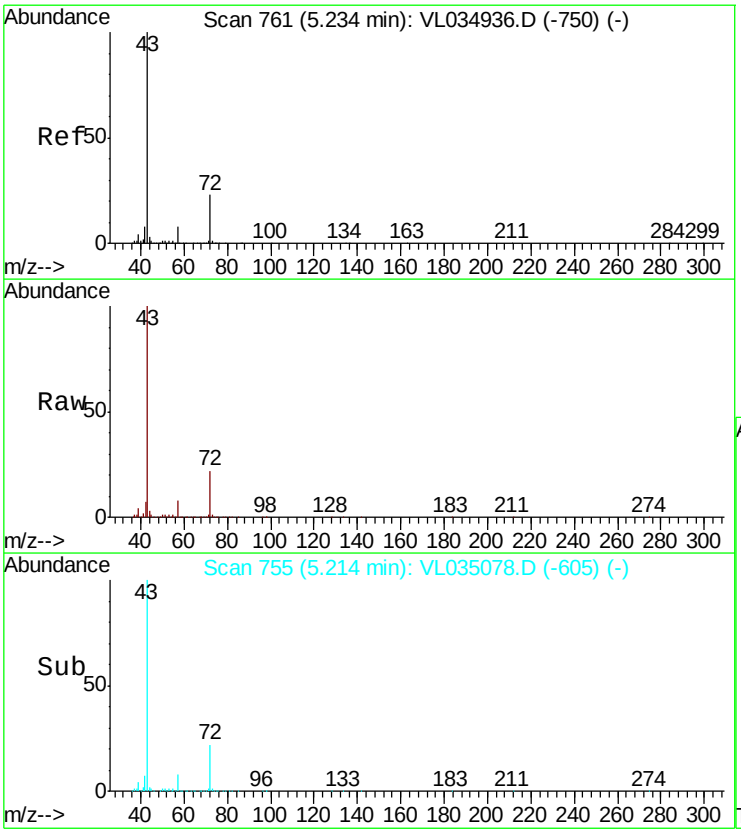
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2585220

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.4
88	19.2	15.5	23.3

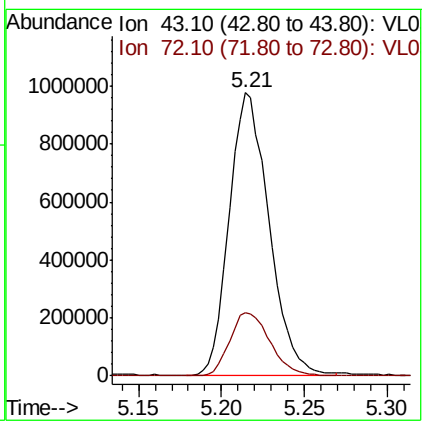


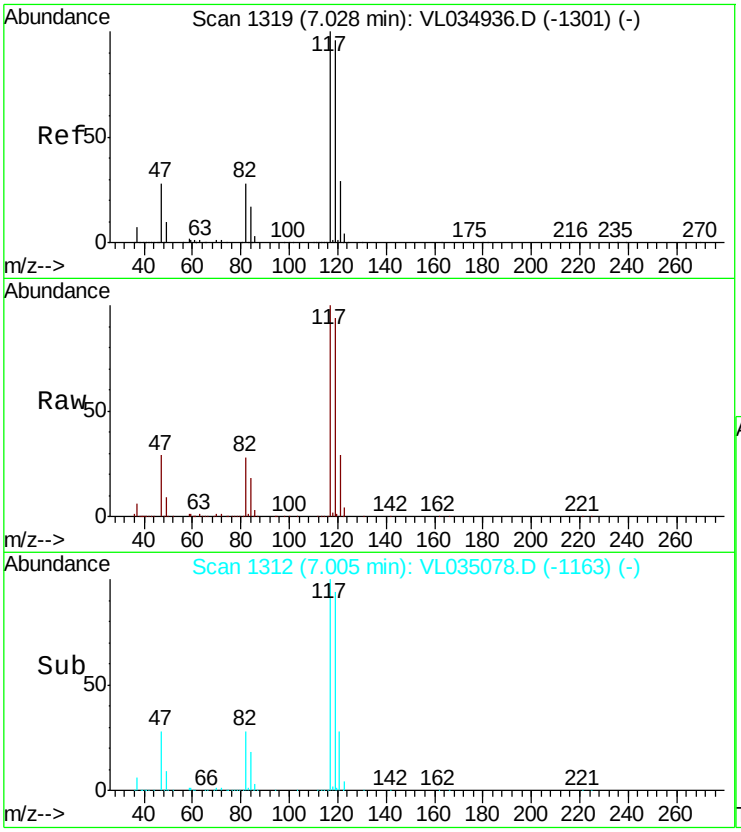


#34
2-Butanone
Concen: 10.154 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 43 Resp: 1631478

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.0	27.0



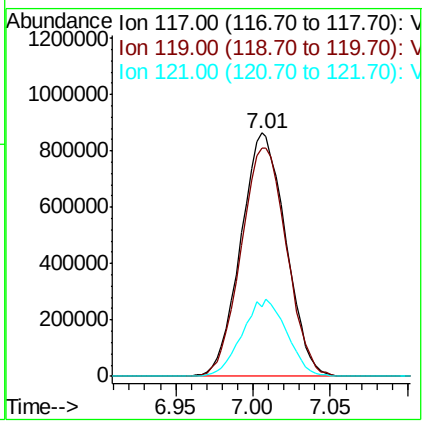


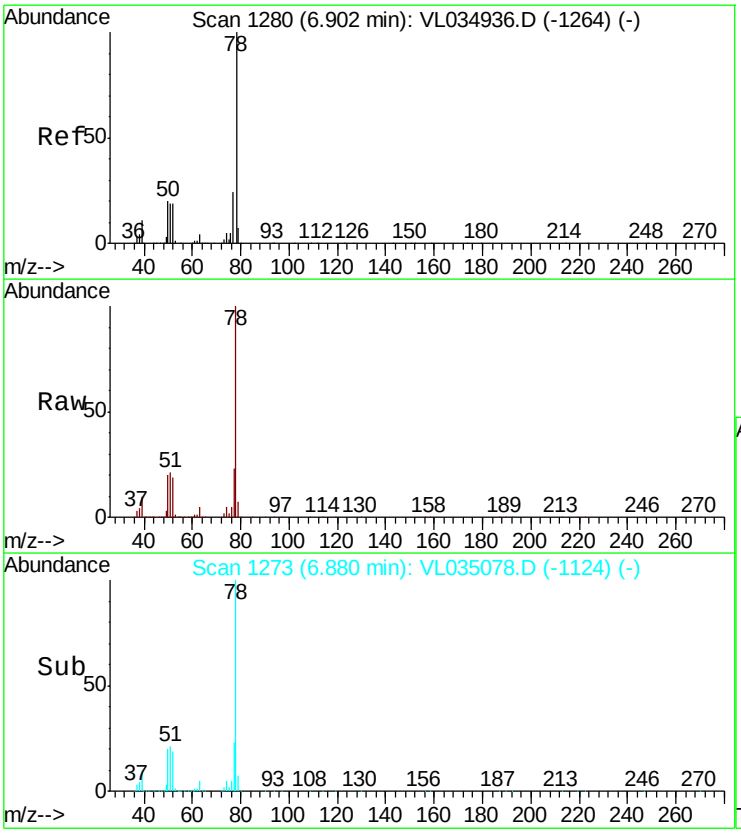
#35
Carbon Tetrachloride
Concen: 10.699 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1745786

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.0	115.6
121	28.5	23.0	34.6

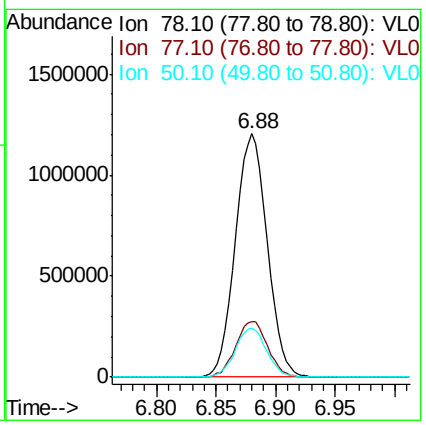


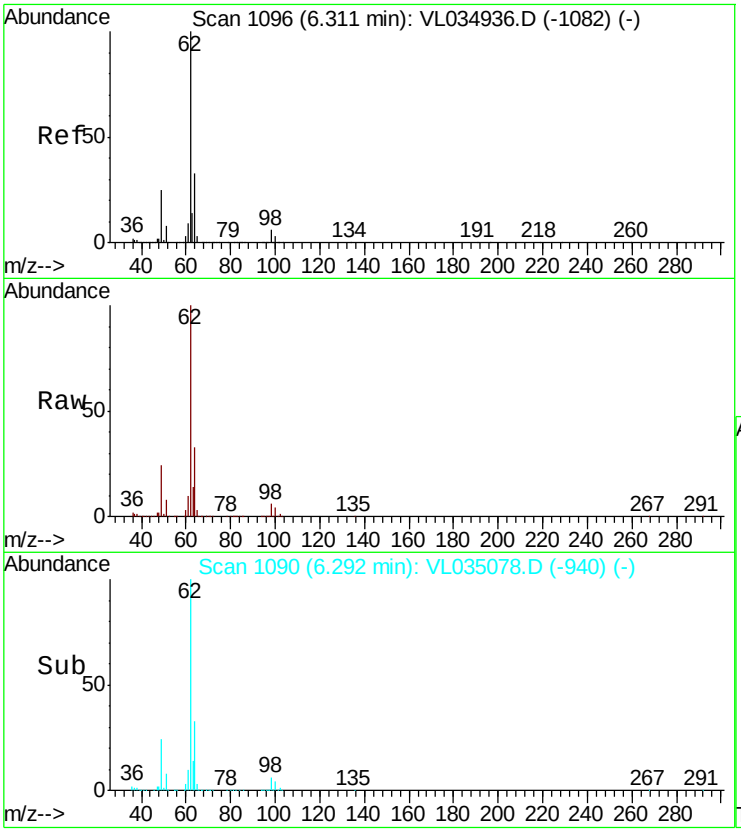


#36
Benzene
Concen: 10.503 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 78 Resp: 2238578

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6
50	20.4	15.8	23.8



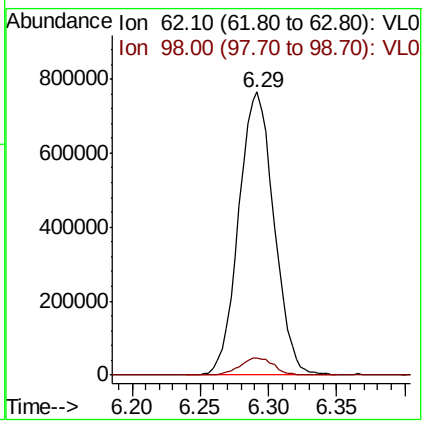


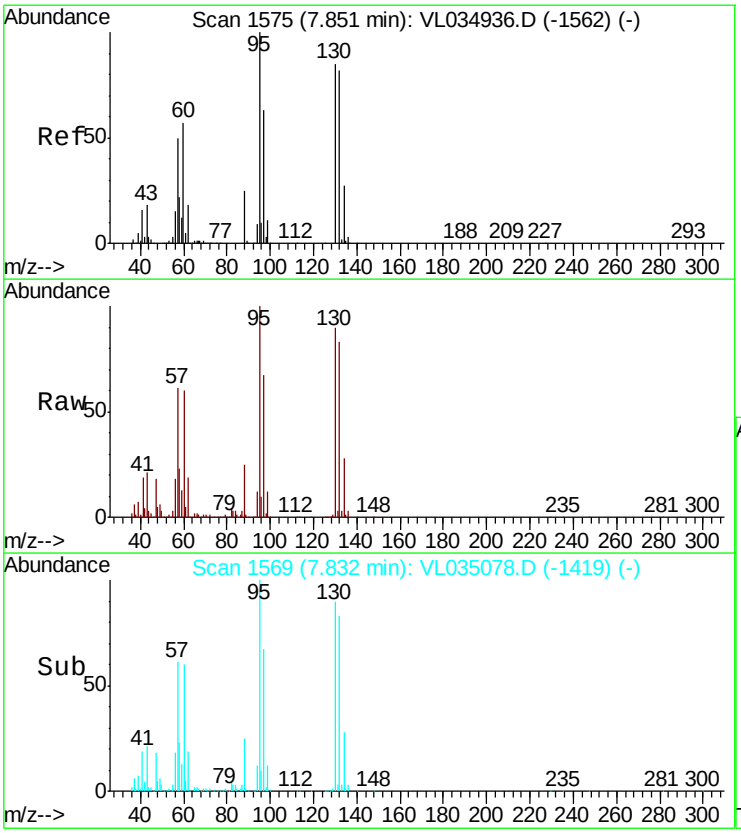
#37
1,2-Dichloroethane
Concen: 10.467 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1376120

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.8	7.2

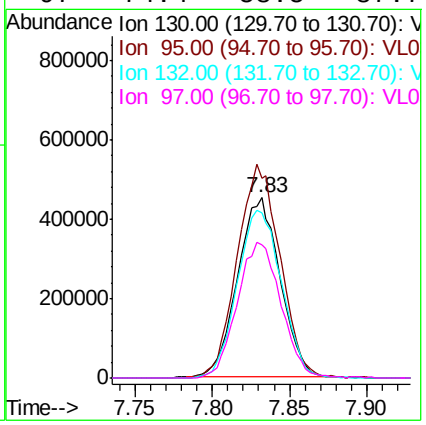


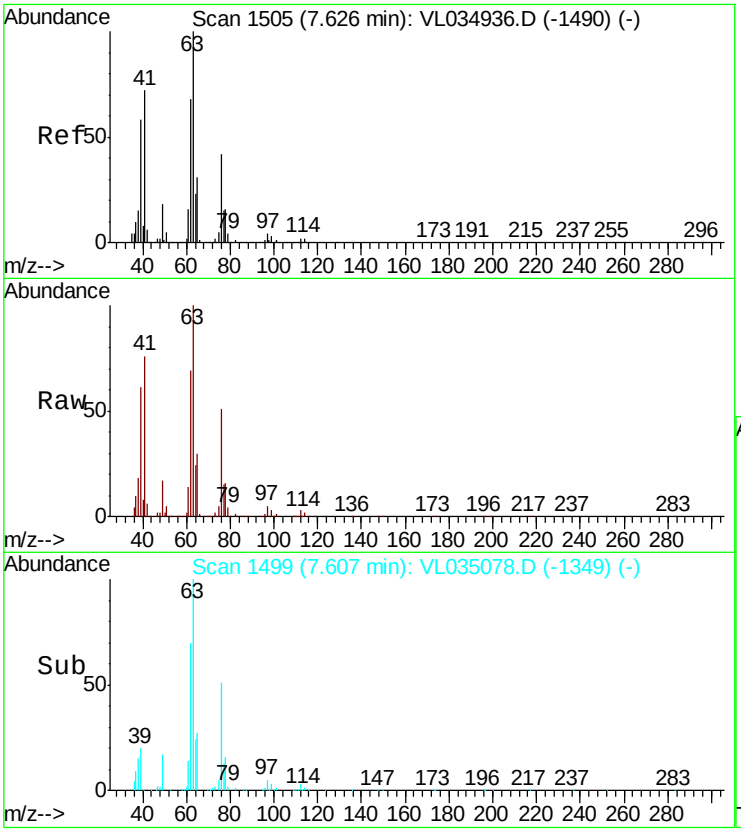


#38
Trichloroethene
Concen: 10.437 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:130 Resp: 861767

Ion	Ratio	Lower	Upper
130	100		
95	111.0	93.4	140.0
132	92.3	76.4	114.6
97	74.4	58.5	87.7



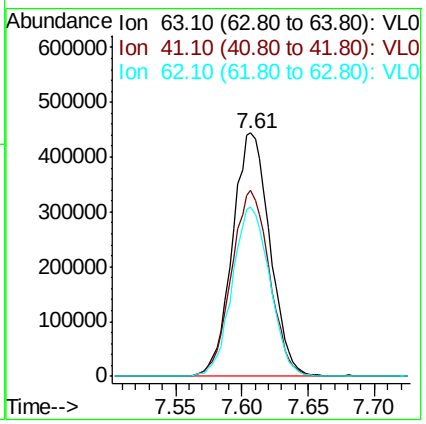


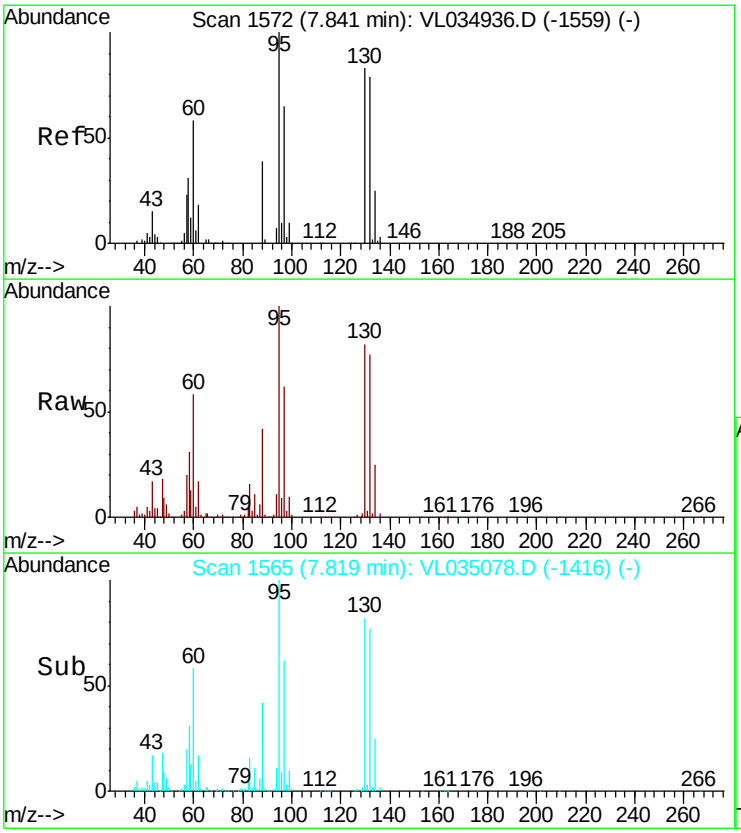
#39
1,2-Dichloropropane
Concen: 10.158 ppbv
RT: 7.61 min Scan# 1499
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 867966

Ion	Ratio	Lower	Upper
63	100		
41	76.5	57.8	86.8
62	69.4	54.2	81.2

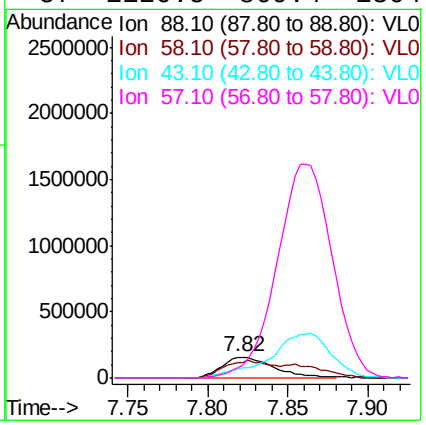


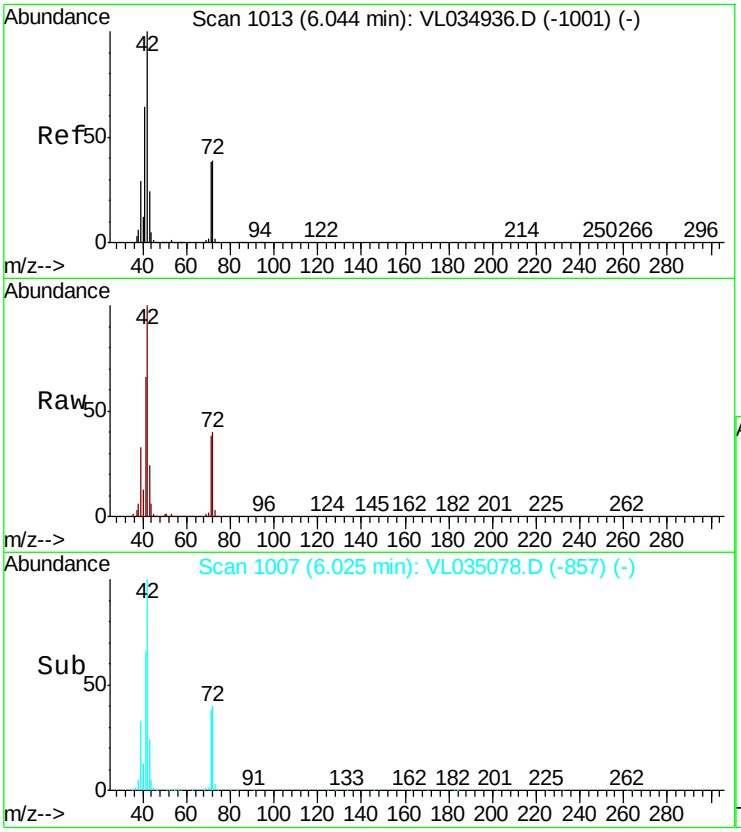


#40
1,4-Dioxane
Concen: 10.035 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 88 Resp: 348501

Ion	Ratio	Lower	Upper
88	100		
58	130.7	105.1	157.7
43	258.4	202.6	303.8
57	1120.5	869.4	1304.0



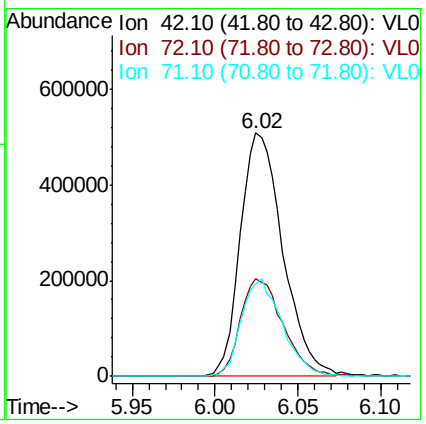


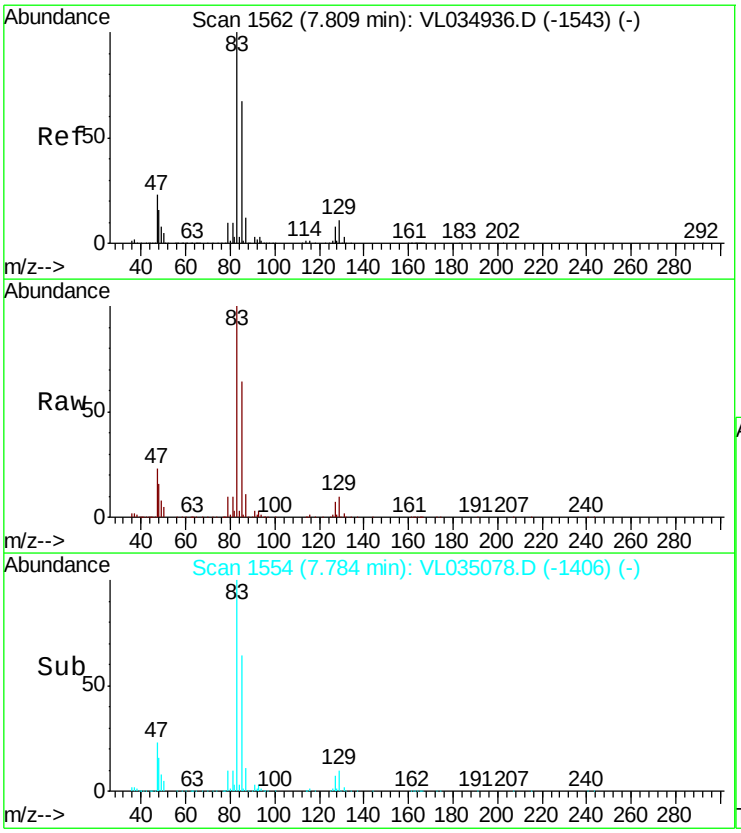
#41
Tetrahydrofuran
Concen: 10.718 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 906682

Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.0
71	38.6	29.8	44.8

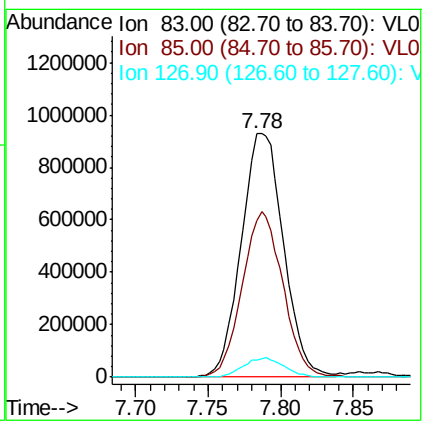


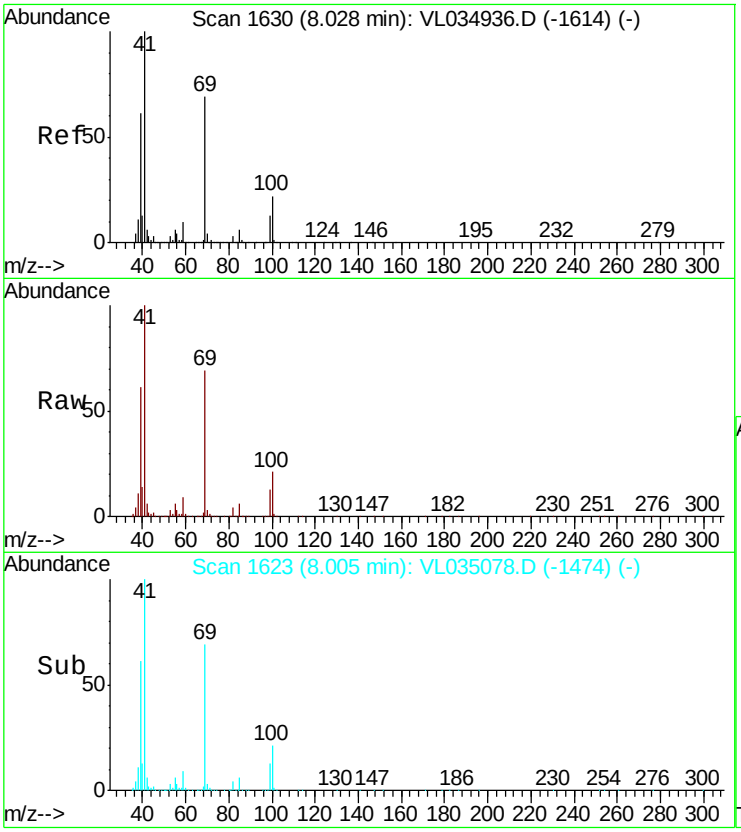


#42
Bromodichloromethane
Concen: 10.652 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 83 Resp: 1888827

Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.0
127	7.1	6.1	9.1



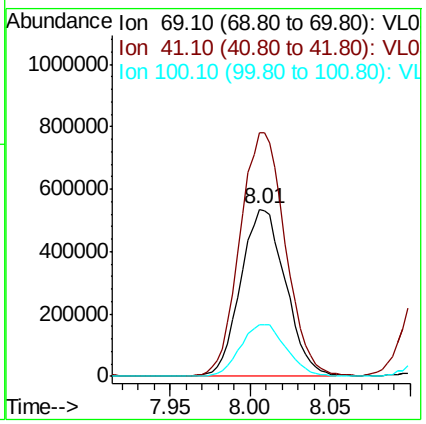


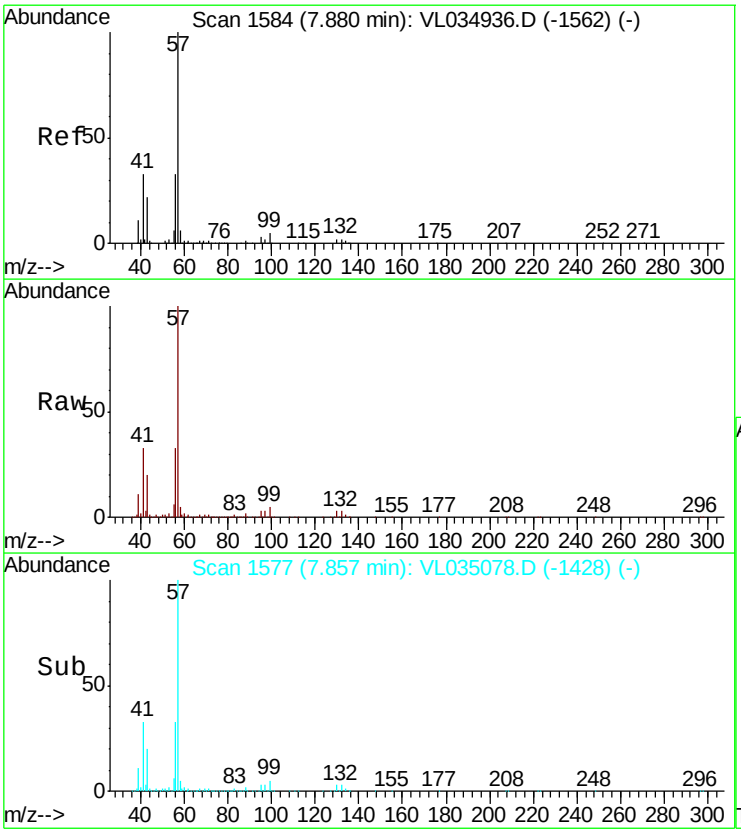
#43
Methyl Methacrylate
Concen: 11.423 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1028045

Ion	Ratio	Lower	Upper
69	100		
41	148.0	119.8	179.6
100	31.5	25.0	37.6

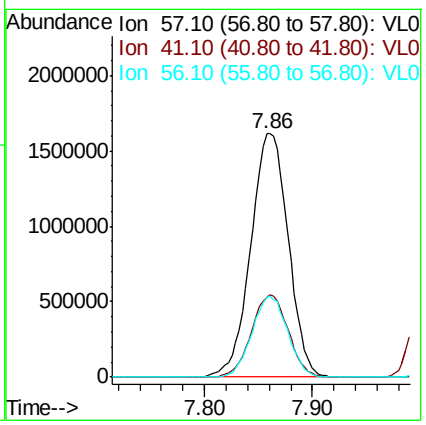


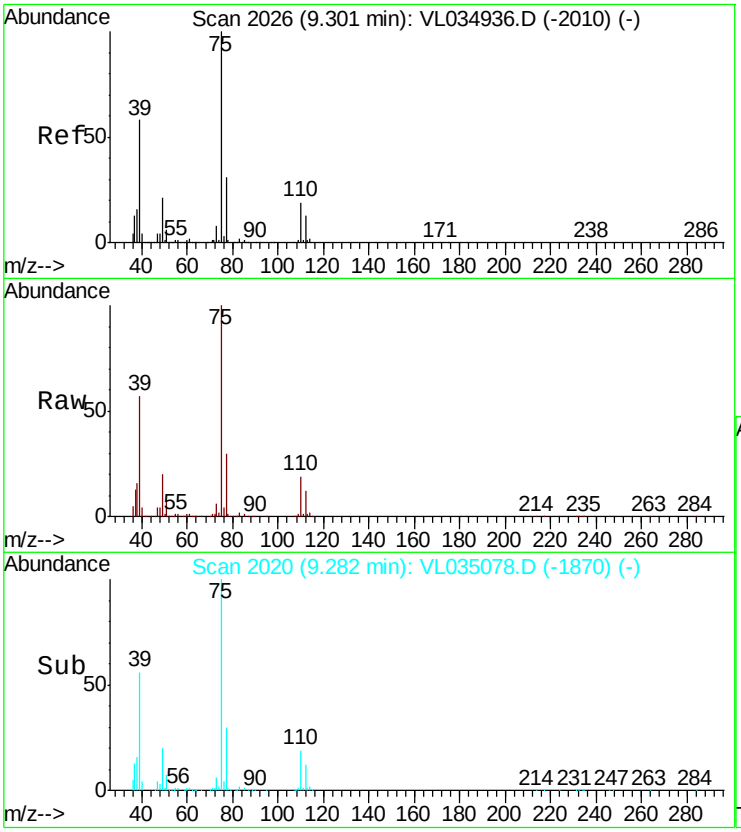


#44
2,2,4-Trimethylpentane
Concen: 10.286 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 57 Resp: 3897906

Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.4	39.6
56	31.5	25.5	38.3



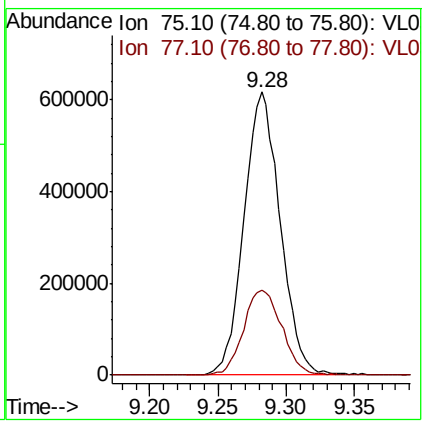


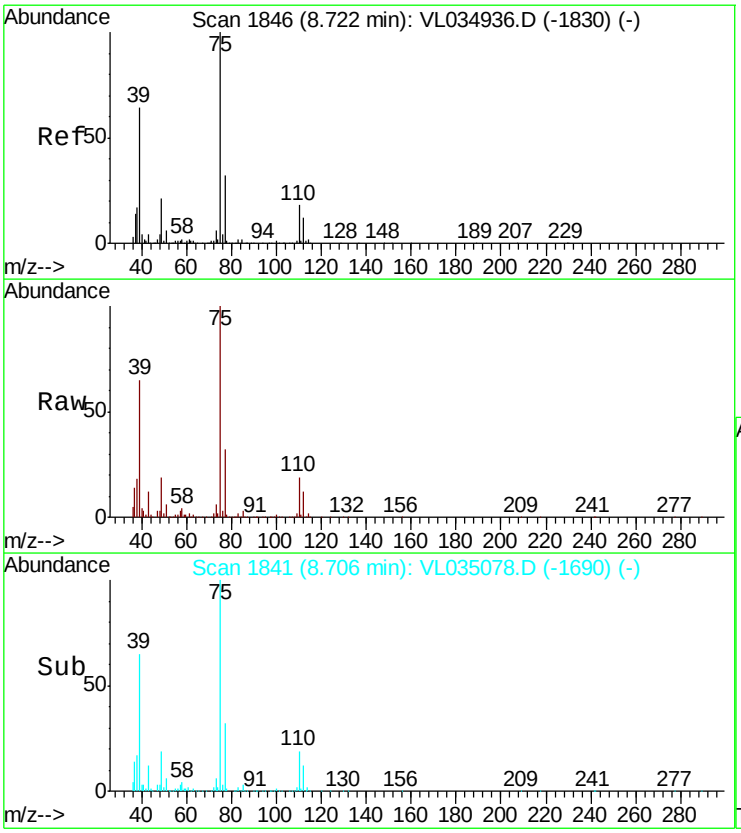
#45
t-1,3-Dichloropropene
Concen: 12.514 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1136598

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.9	37.3

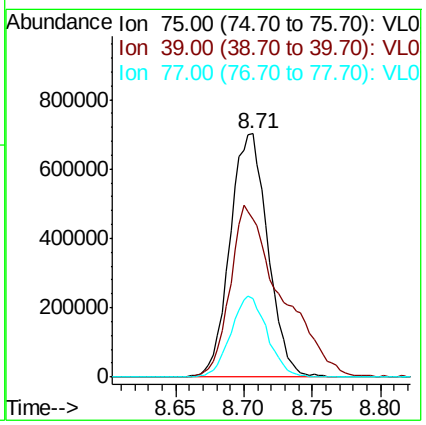


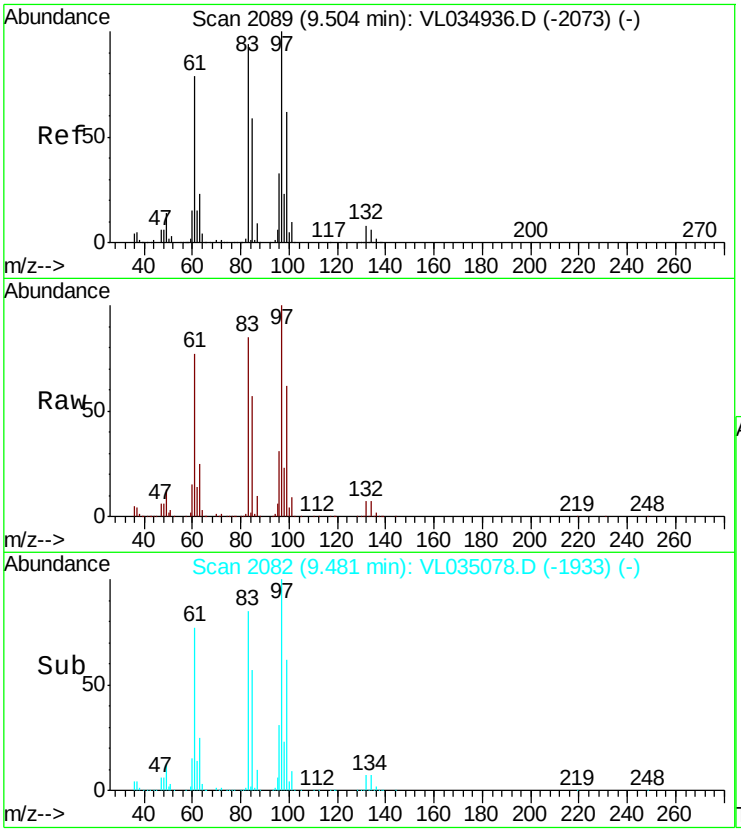


#46
cis-1,3-Dichloropropene
Concen: 12.085 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 75 Resp: 1347632

Ion	Ratio	Lower	Upper
75	100		
39	64.7	51.5	77.3
77	32.0	25.5	38.3



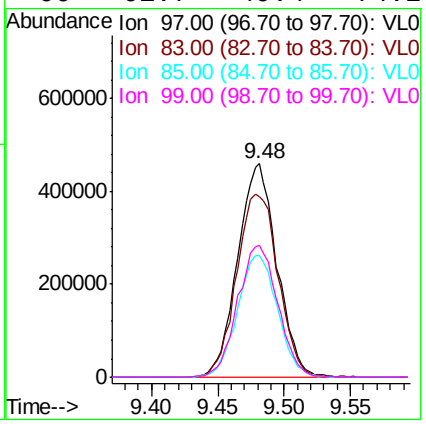


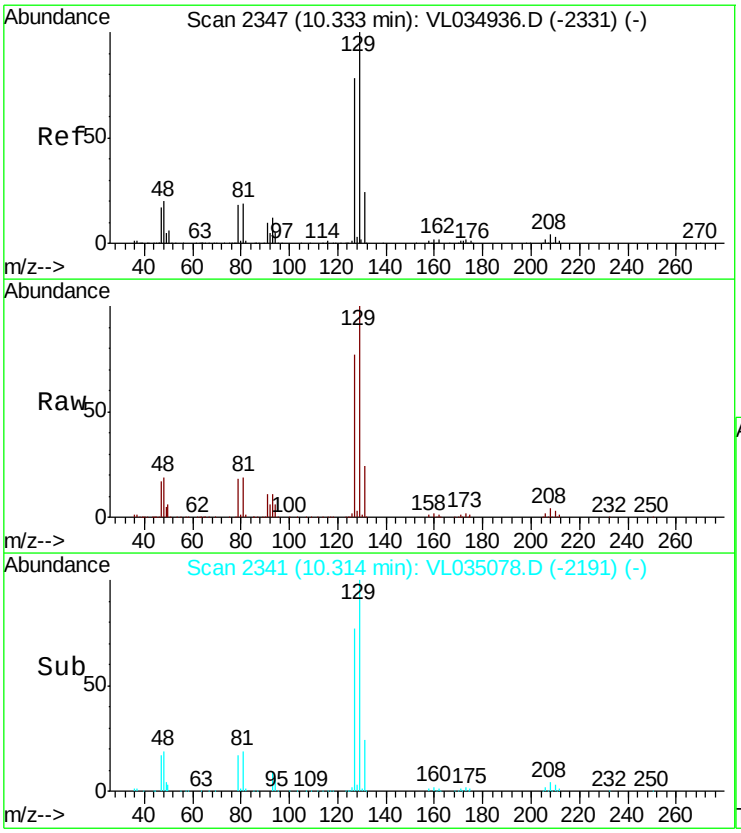
#47
1,1,2-Trichloroethane
Concen: 10.467 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 943797

Ion	Ratio	Lower	Upper
97	100		
83	84.3	75.6	113.4
85	56.9	47.0	70.6
99	61.7	49.4	74.2

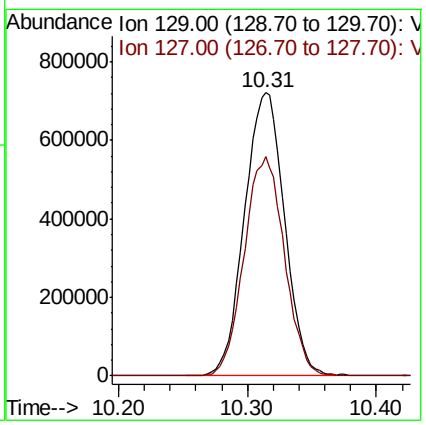


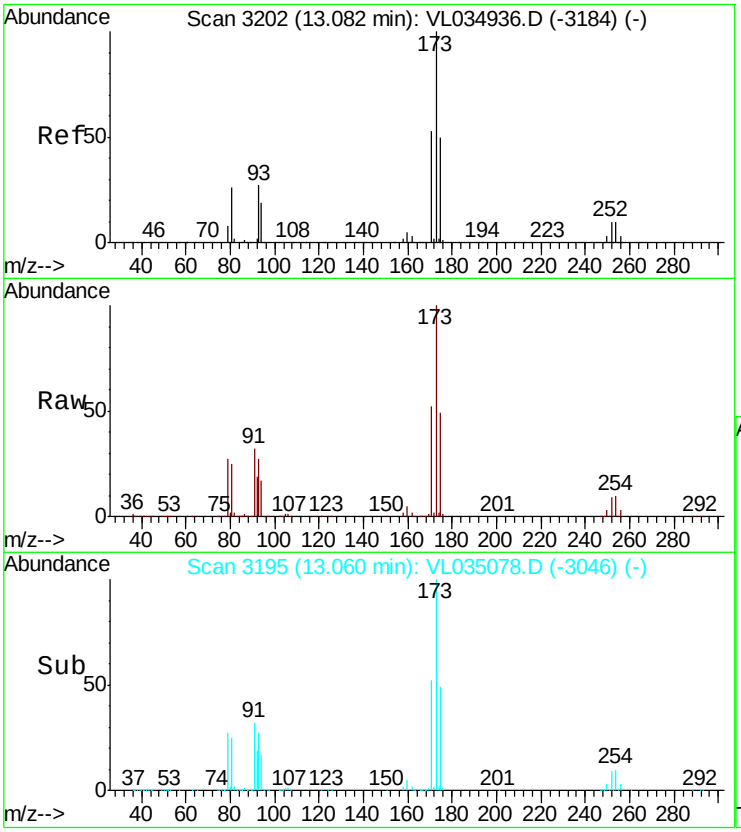


#48
Dibromochloromethane
Concen: 11.257 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:129 Resp: 1560824

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.2



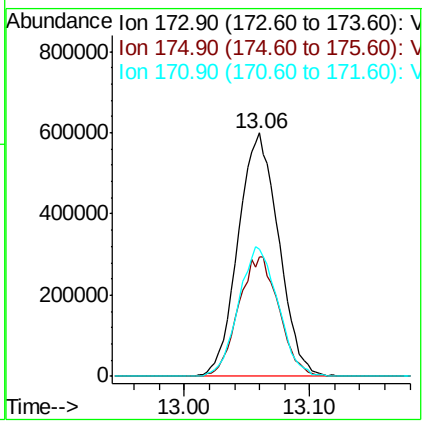


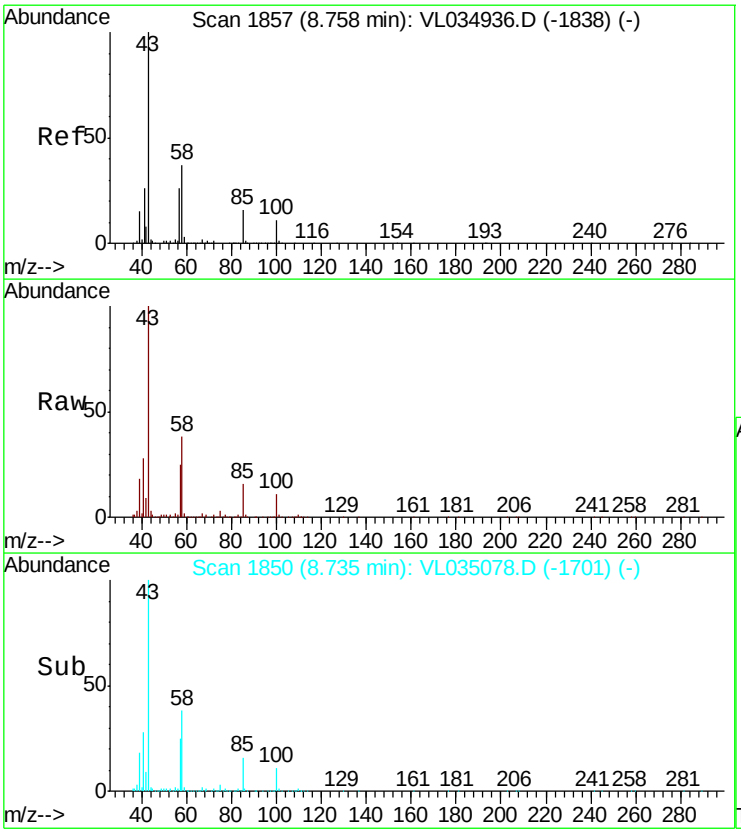
#49
Bromoform
Concen: 11.297 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1347822

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.0	58.6
171	51.8	41.4	62.2

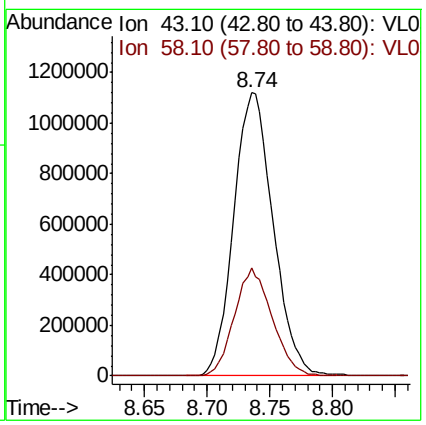


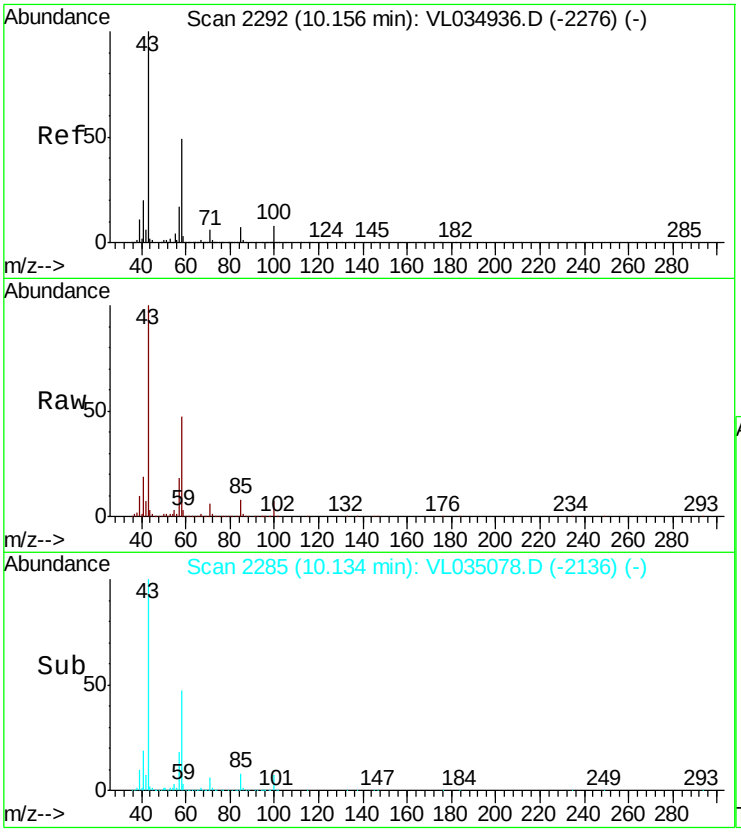


#50
4-Methyl-2-Pentanone
Concen: 10.677 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 43 Resp: 2446303

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.1	43.7



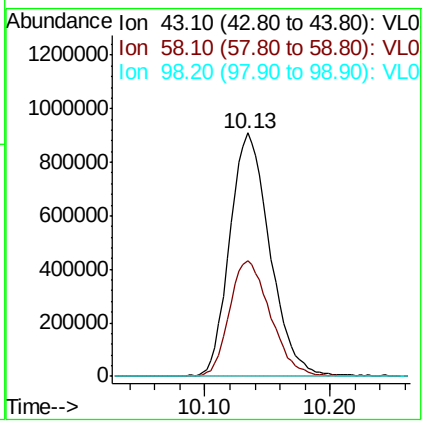


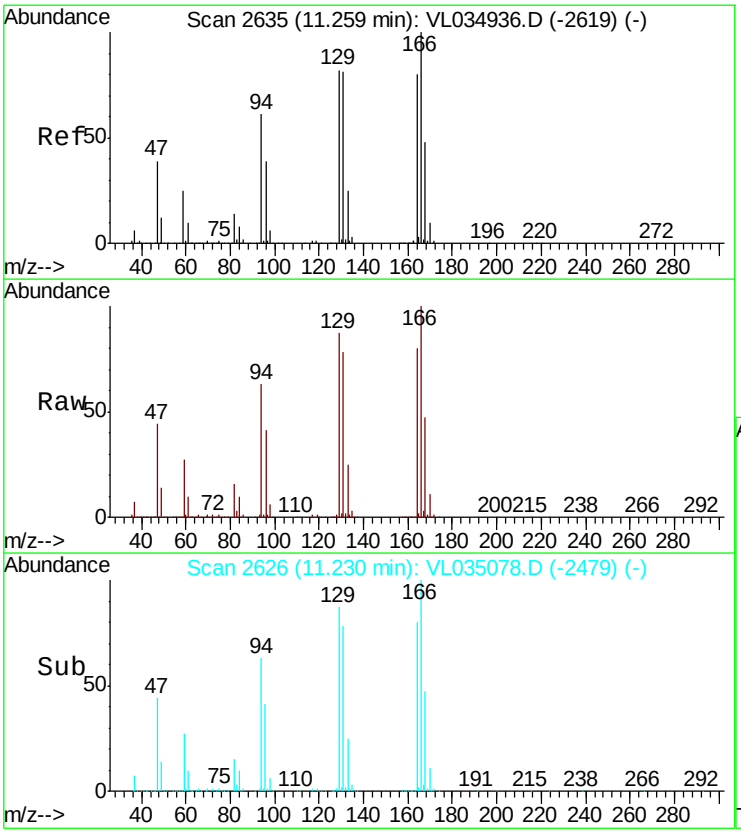
#51
2-Hexanone
Concen: 11.266 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2018973

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.1	58.7
98	0.4	0.3	0.5

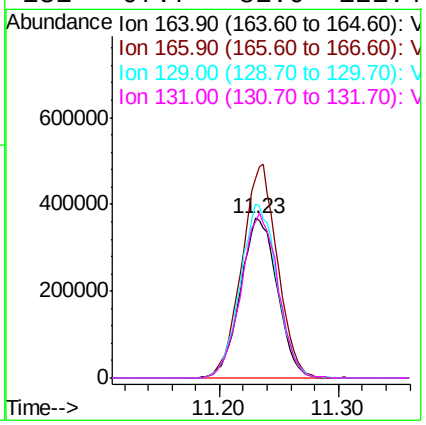


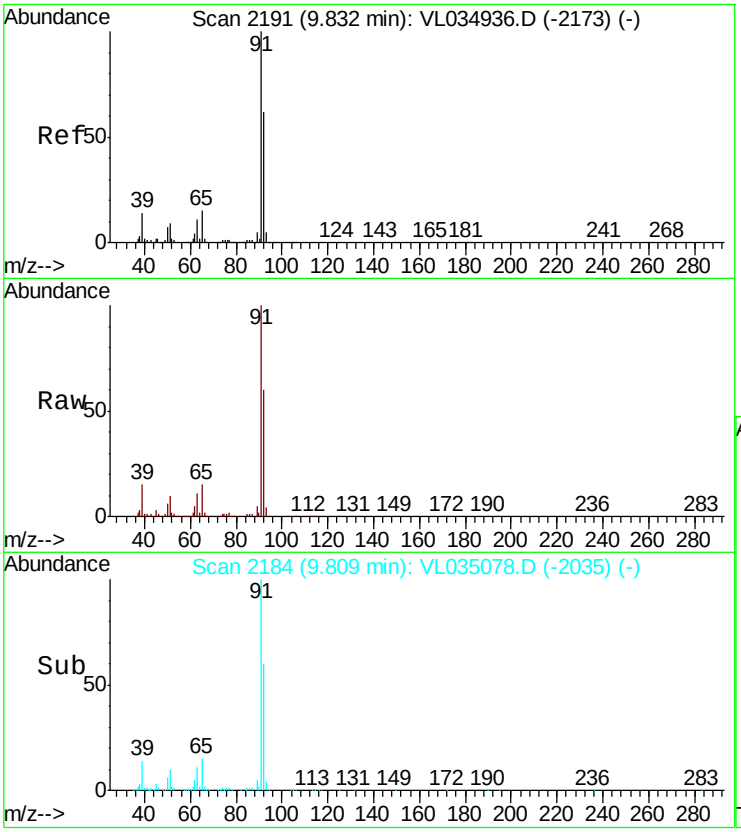


#52
Tetrachloroethene
Concen: 10.402 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:164 Resp: 788371

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.7	151.1
129	109.0	83.0	124.4
131	97.7	81.0	121.4



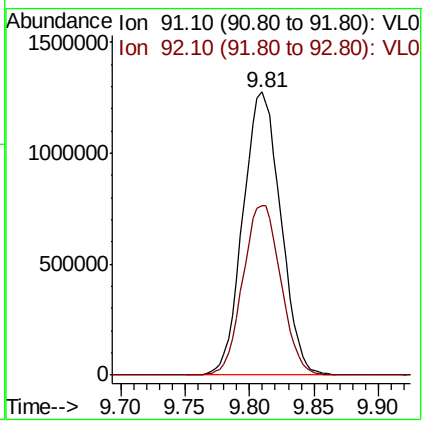


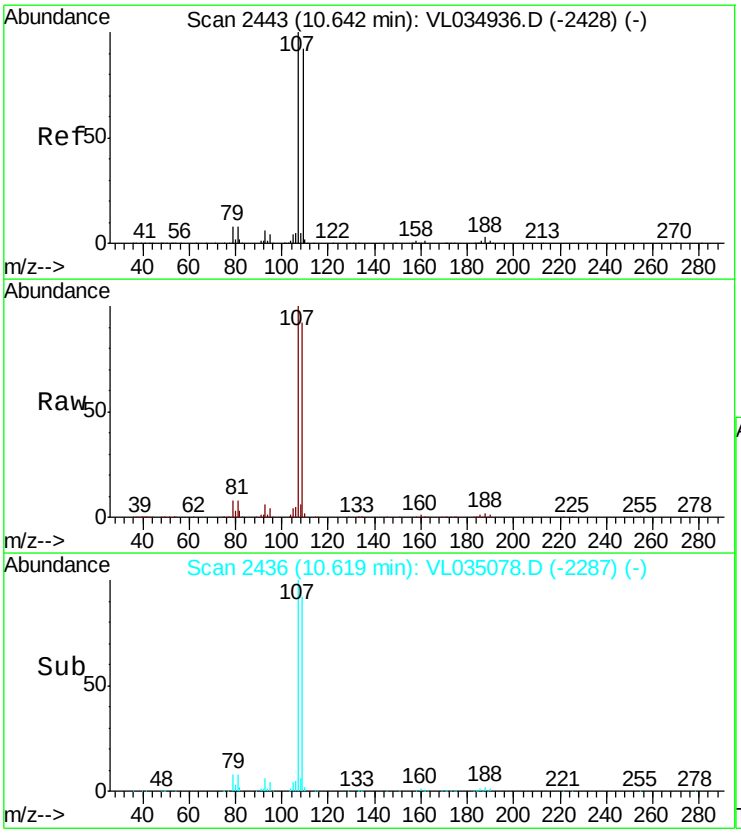
#53
Toluene
Concen: 11.525 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2604031

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.6	73.0

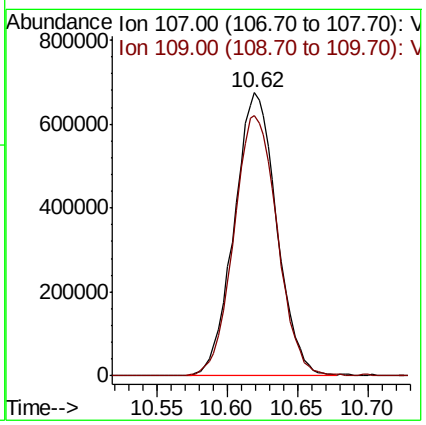


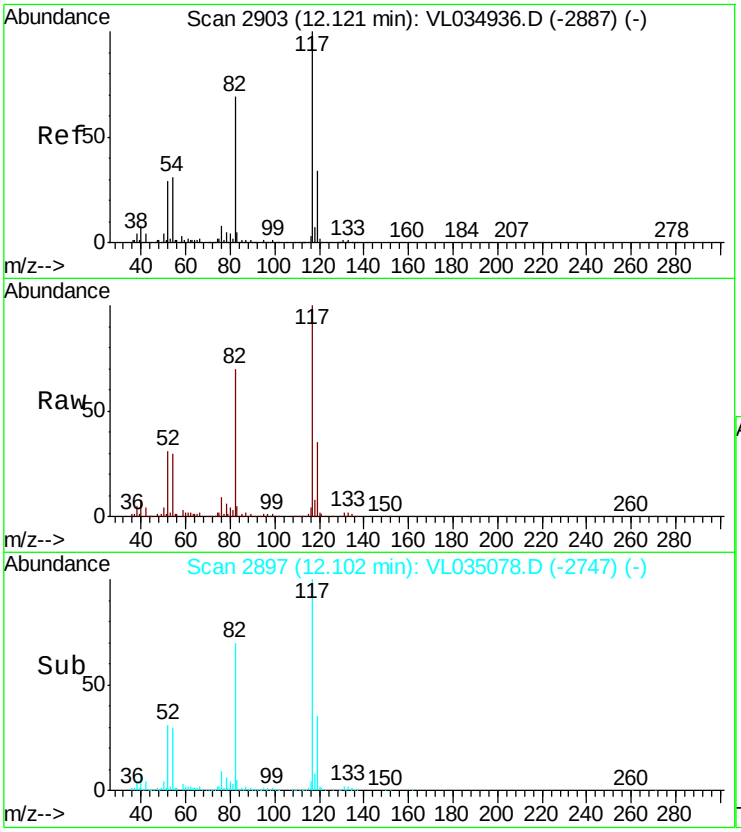


#54
1,2-Dibromoethane
Concen: 10.724 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:107 Resp: 1419979

Ion	Ratio	Lower	Upper
107	100		
109	92.0	73.2	109.8



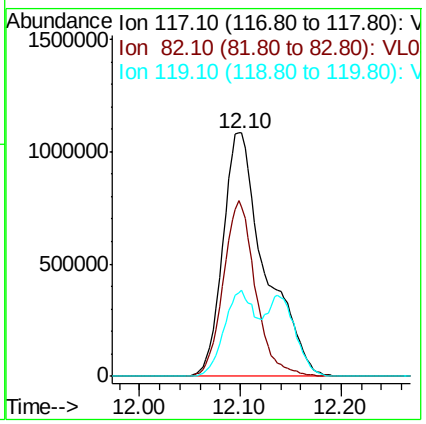


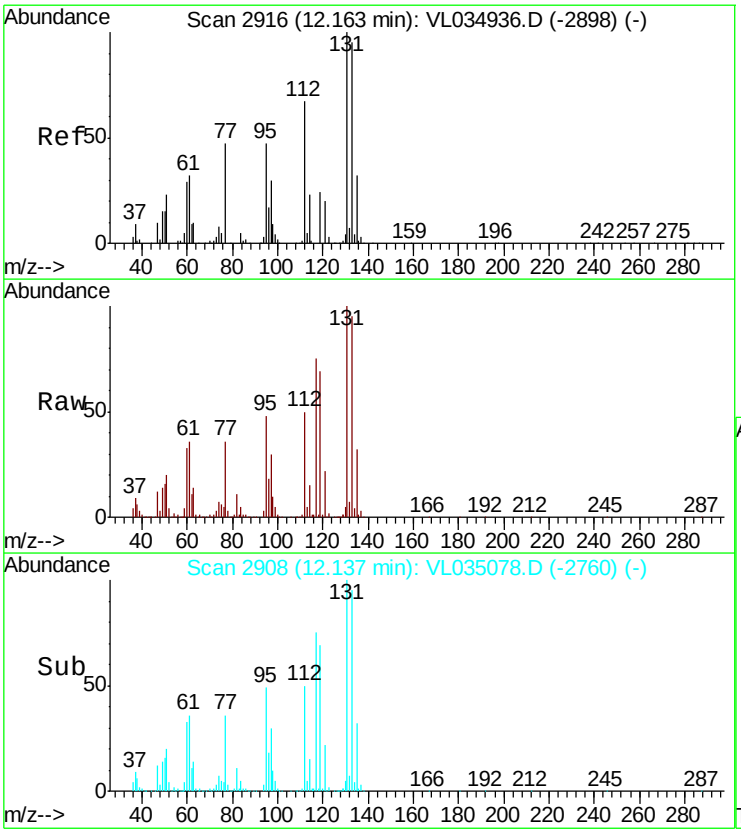
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3159900

Ion	Ratio	Lower	Upper
117	100		
82	55.1	53.1	79.7
119	23.3	26.7	40.1#

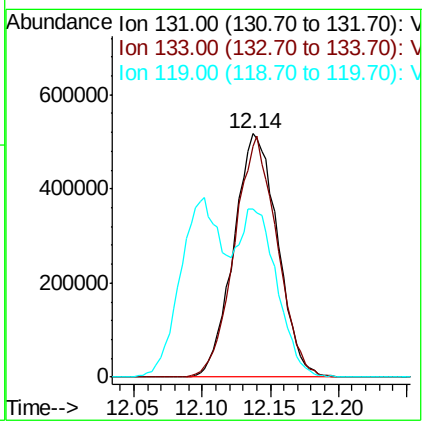


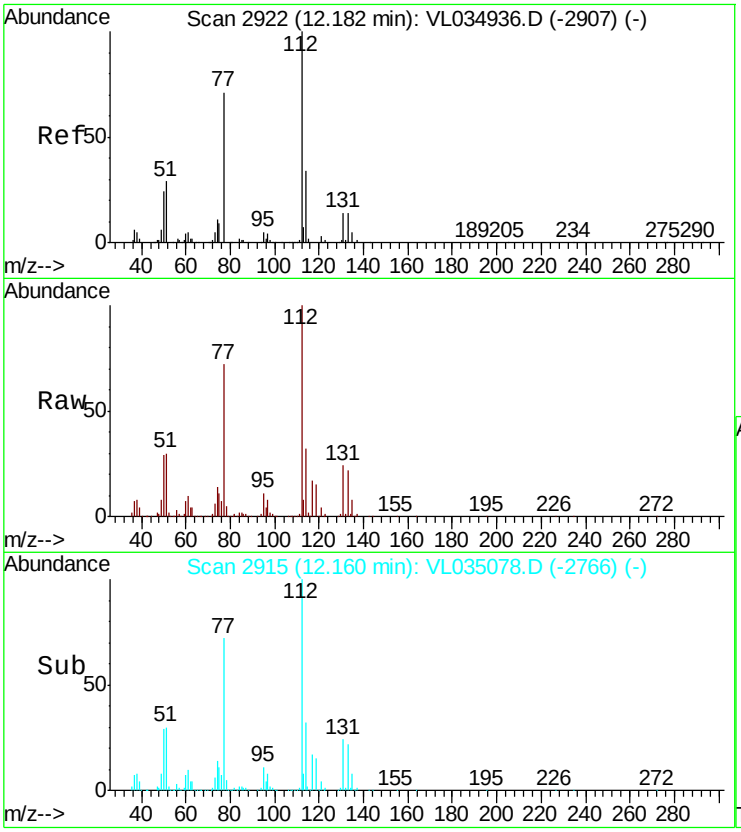


#56
1,1,1,2-Tetrachloroethane
Concen: 8.048 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:131 Resp: 1146811

Ion	Ratio	Lower	Upper
131	100		
133	96.9	77.7	116.5
119	66.4	49.8	74.6



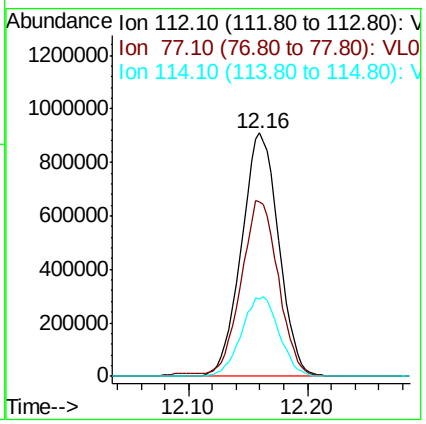


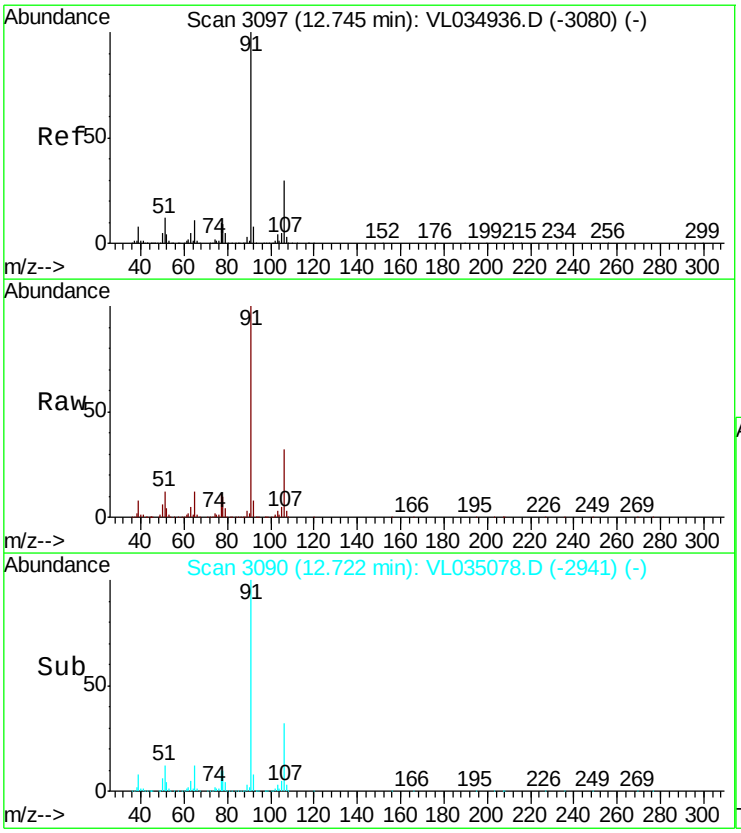
#57
Chlorobenzene
Concen: 7.869 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1969929

Ion	Ratio	Lower	Upper
112	100		
77	71.7	57.0	85.6
114	31.9	30.8	37.6

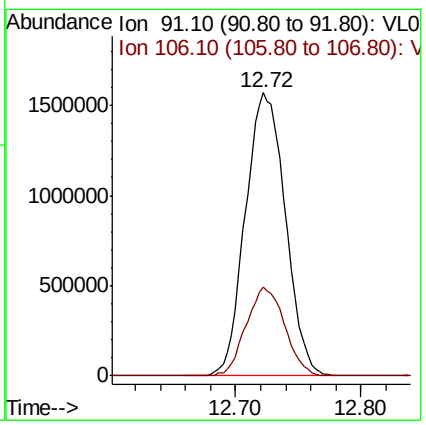


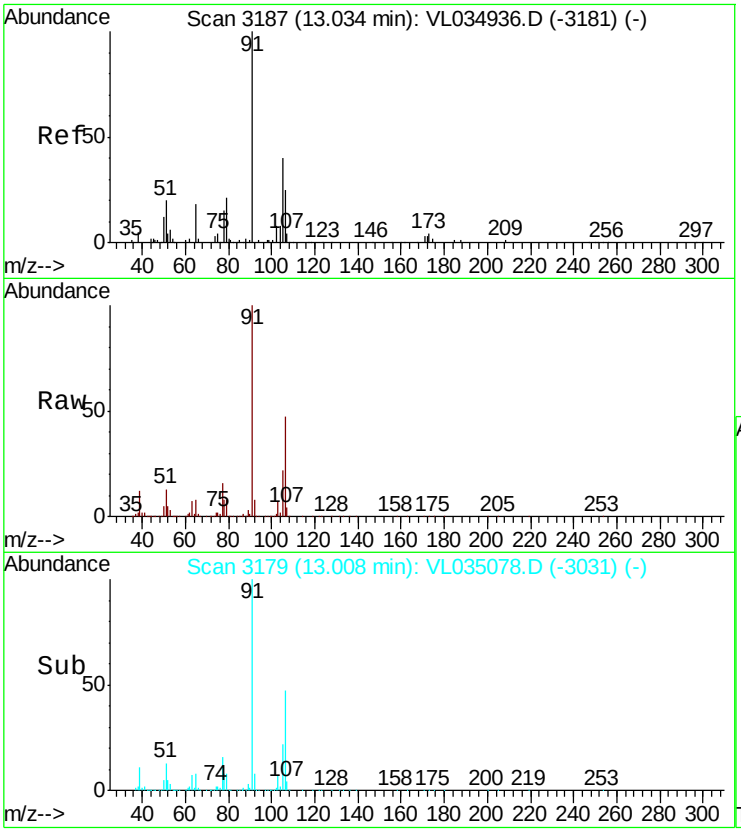


#58
Ethyl Benzene
Concen: 8.913 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 3482557

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4



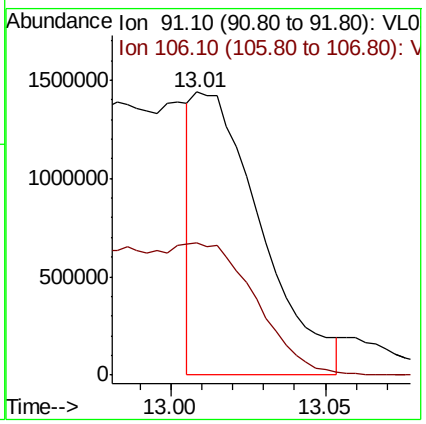


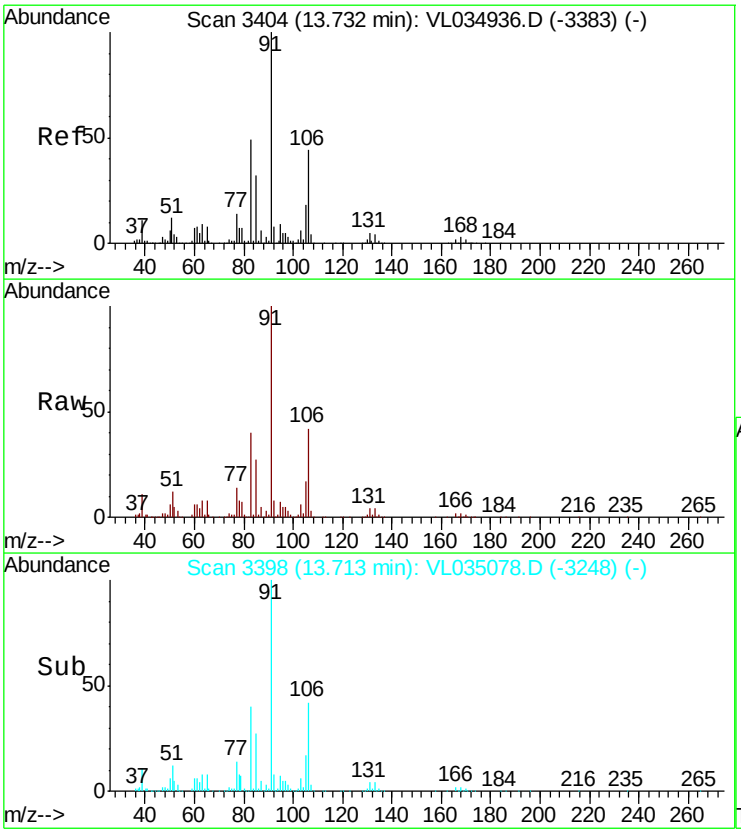
#59
m/p-Xylene
Concen: 6.300 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2165857

Ion	Ratio	Lower	Upper
91	100		
106	121.2	66.0	99.0#

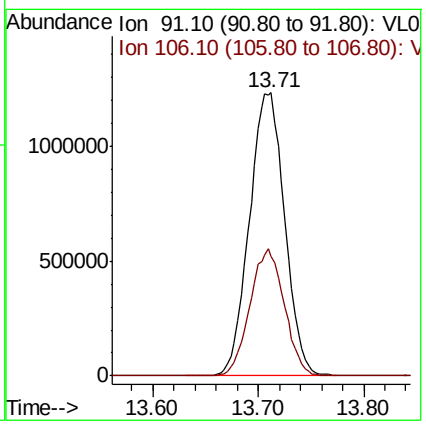


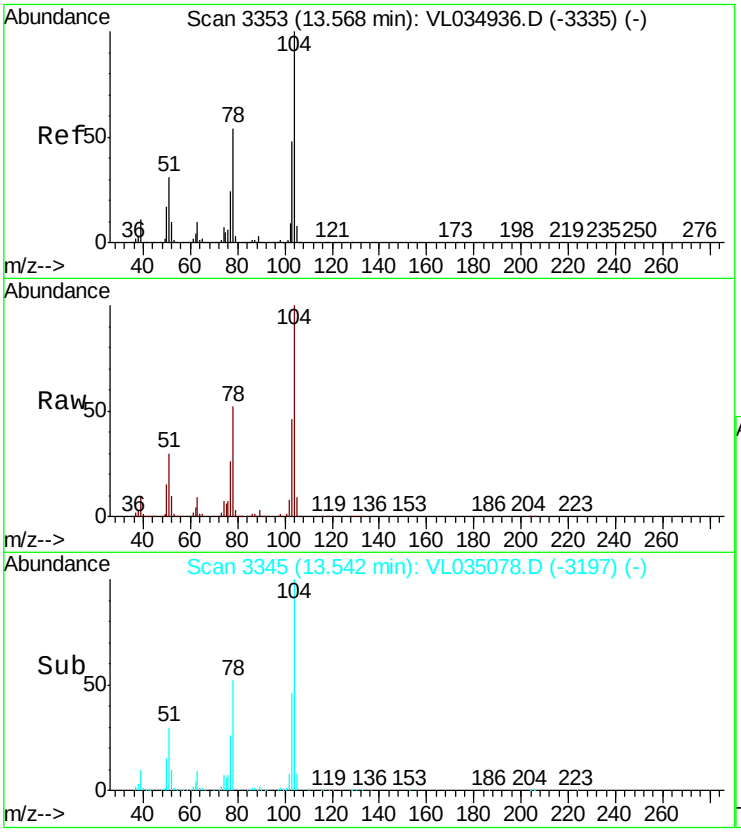


#60
o-Xylene
Concen: 8.488 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 2879427

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.5



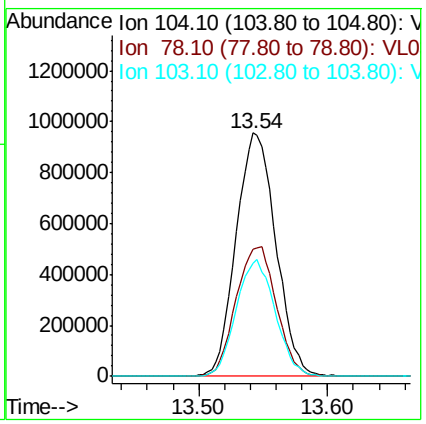


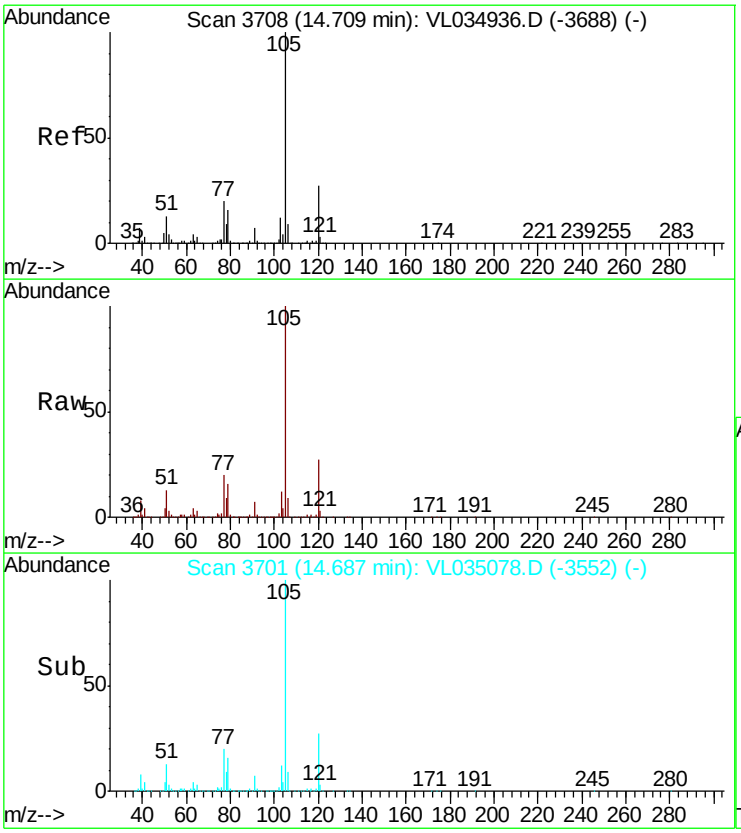
#61
Stvrene
Concen: 9.545 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2049263

Ion	Ratio	Lower	Upper
104	100		
78	54.3	43.7	65.5
103	47.0	38.8	58.2

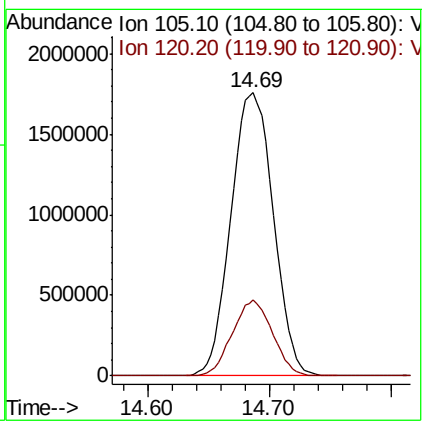


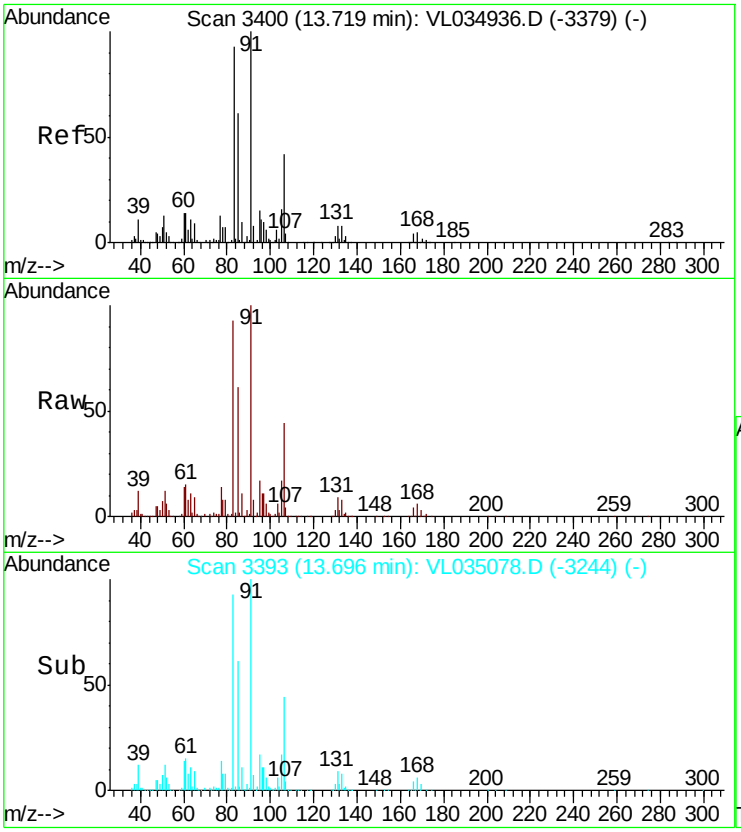


#62
Isopropylbenzene
Concen: 8.344 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 4225990

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



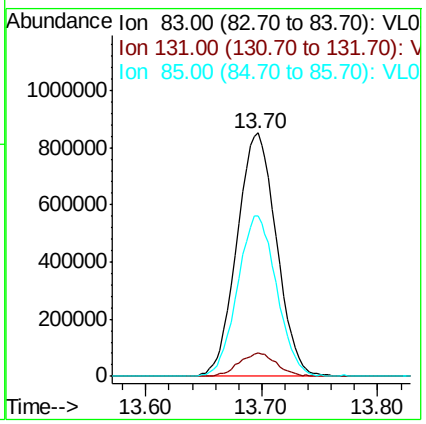


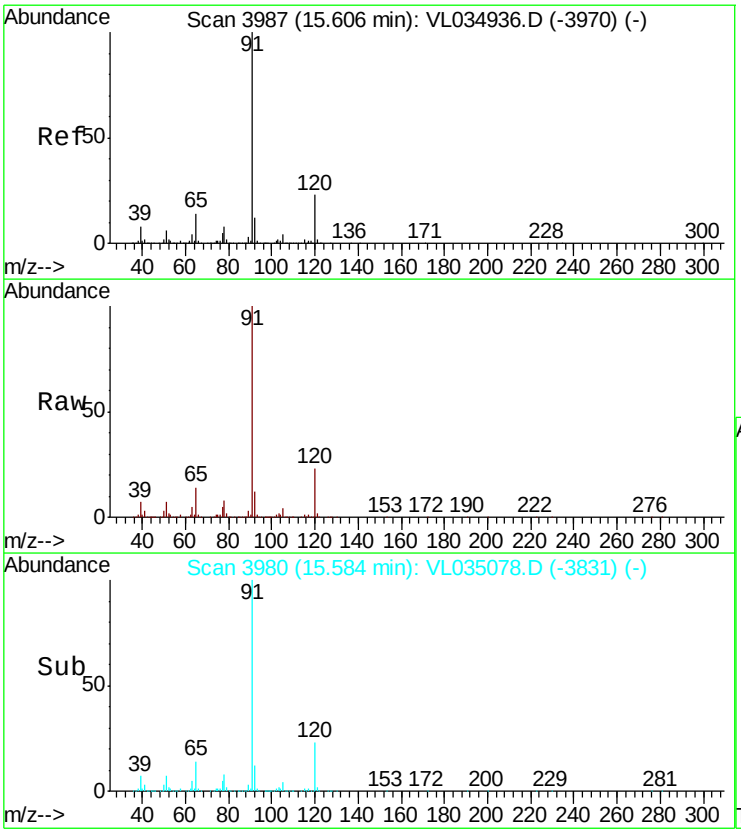
#63
1,1,2,2-Tetrachloroethane
Concen: 7.522 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2008784

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.8	32.5	97.4

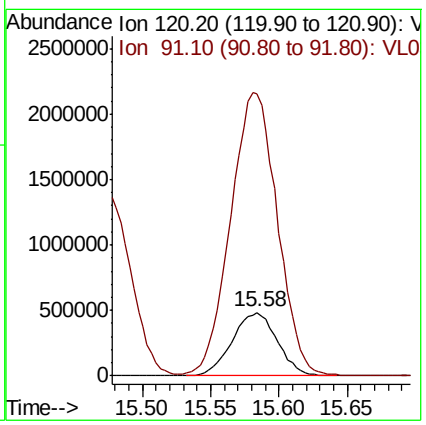


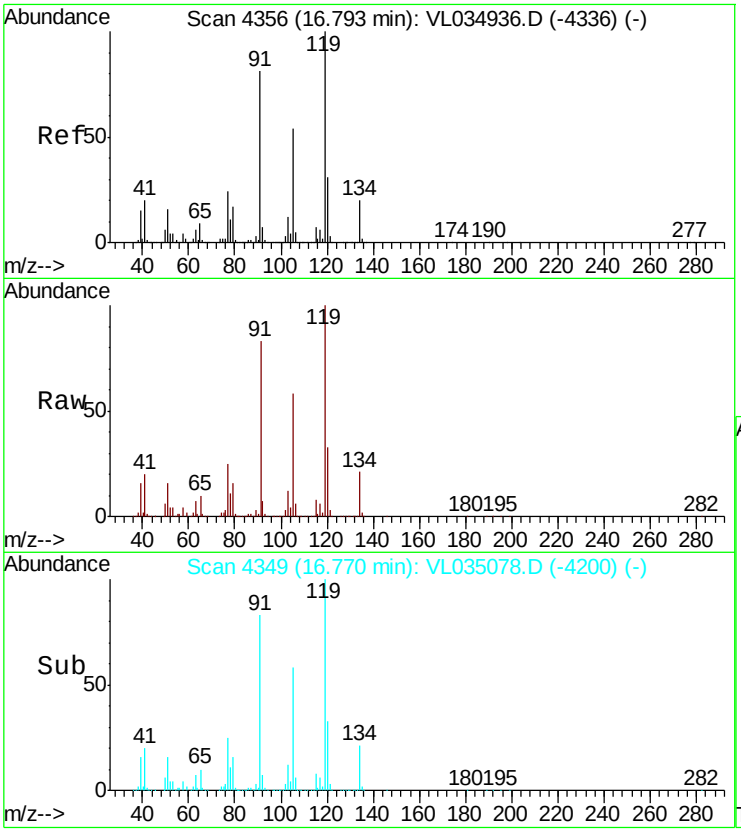


#64
n-propylbenzene
Concen: 8.539 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:120 Resp: 1109332

Ion	Ratio	Lower	Upper
120	100		
91	467.0	373.5	560.3



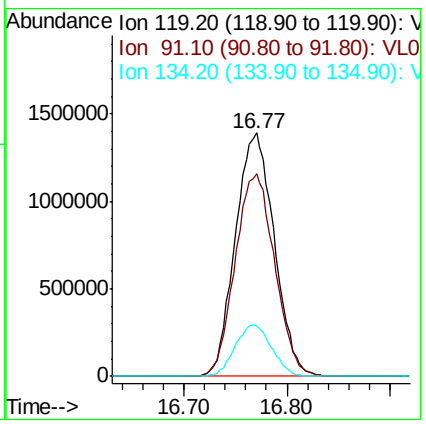


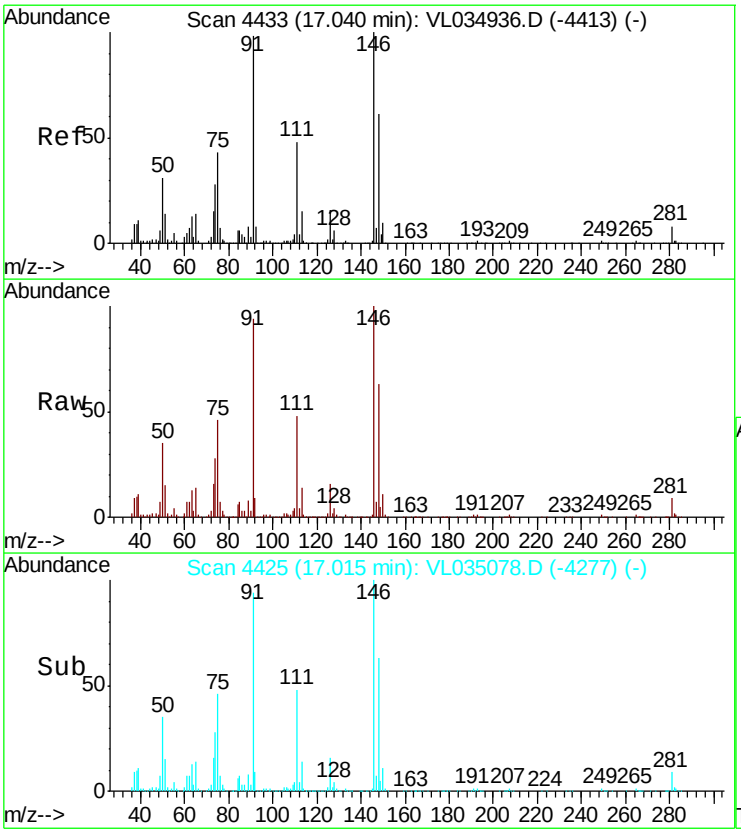
#65
tert-Butylbenzene
Concen: 8.283 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3638650

Ion	Ratio	Lower	Upper
119	100		
91	84.9	67.5	101.3
134	20.0	16.1	24.1

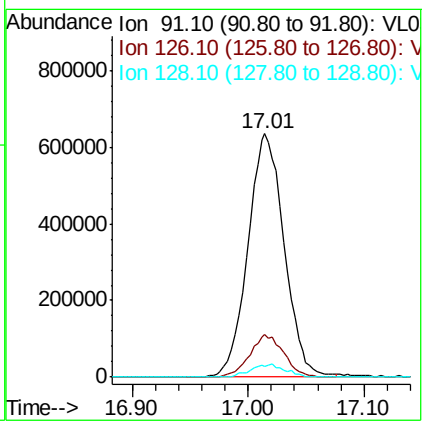


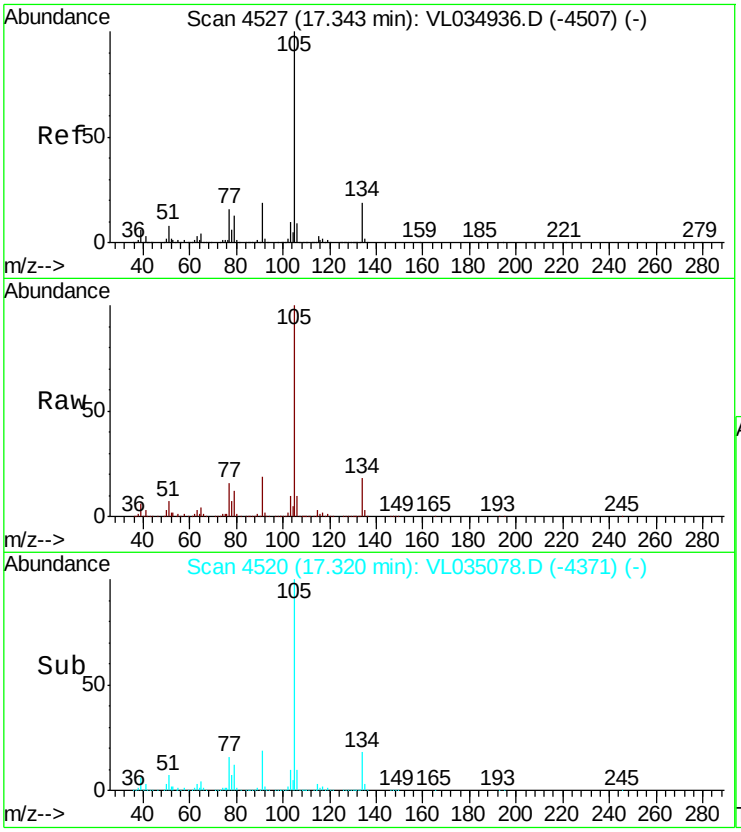


#66
Benzyl Chloride
Concen: 9.238 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 1377642

Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.8	20.6
128	5.2	4.3	6.5



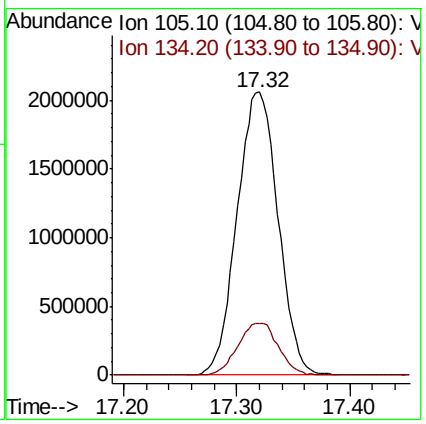


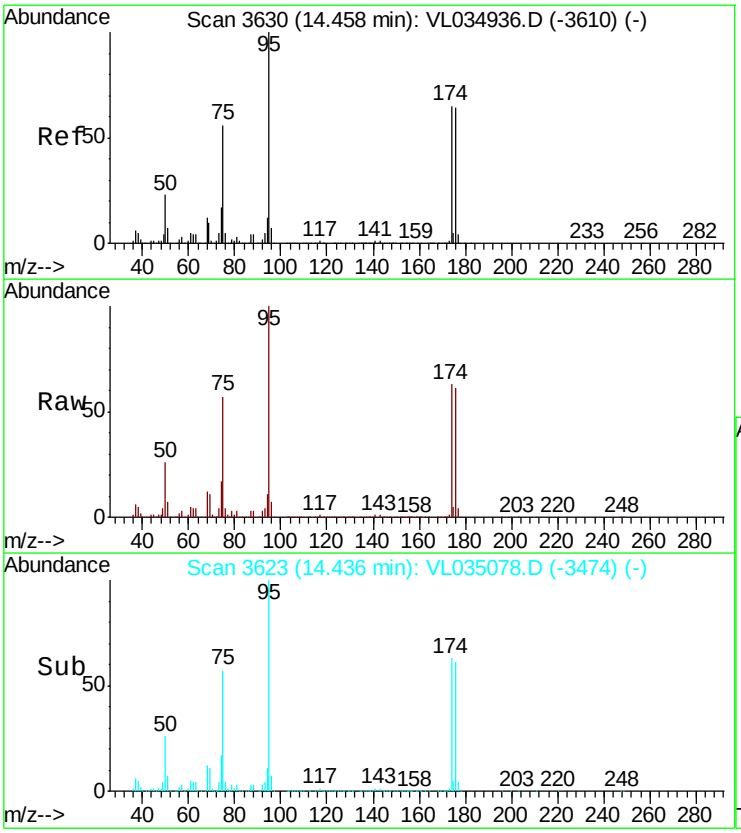
#67
sec-Butylbenzene
Concen: 8.273 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5187900

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.8	22.2

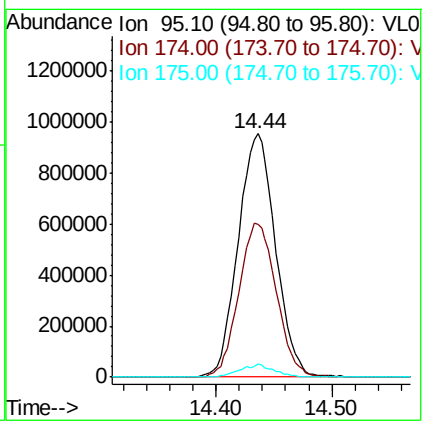


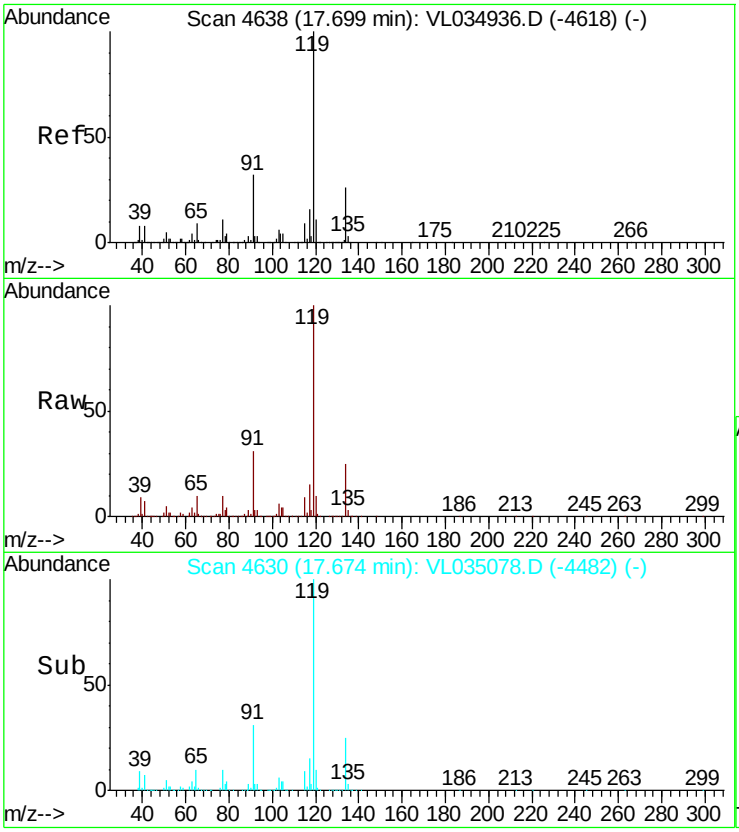


#68
1-Bromo-4-Fluorobenzene
Concen: 8.349 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 95 Resp: 2135533

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.5	77.3
175	4.8	3.8	5.8



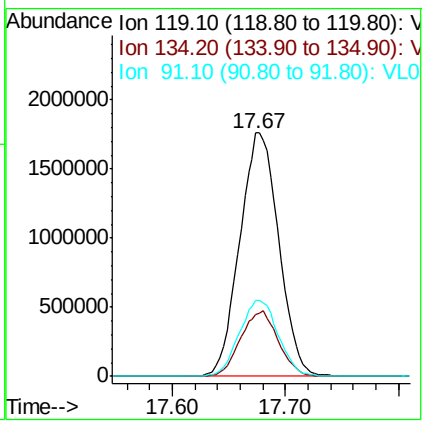


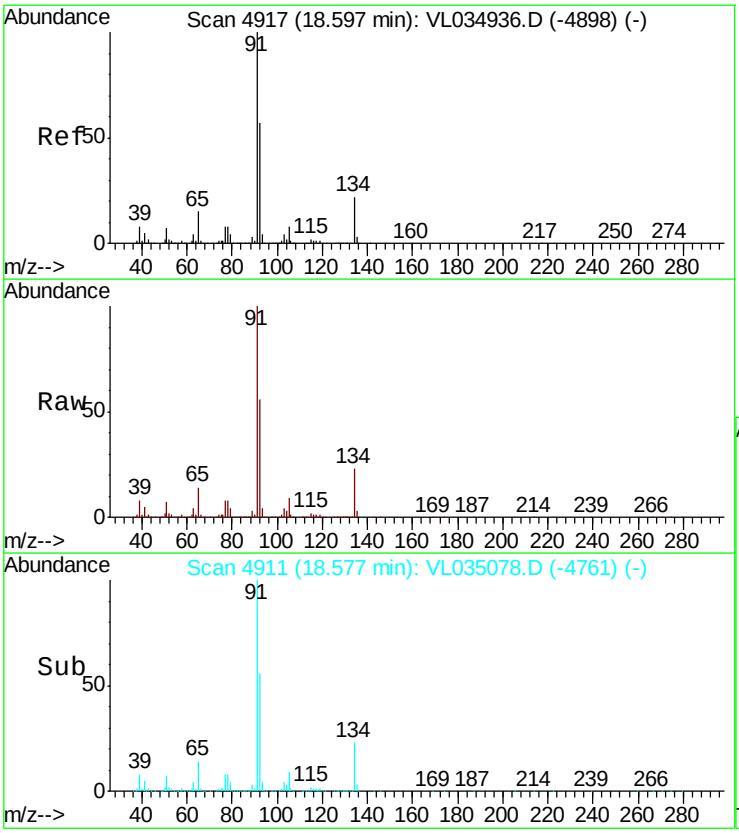
#69
p-Isopropyltoluene
Concen: 8.314 ppbv
RT: 17.67 min Scan# 4630
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4217902

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.3	30.5
91	31.3	24.6	36.8

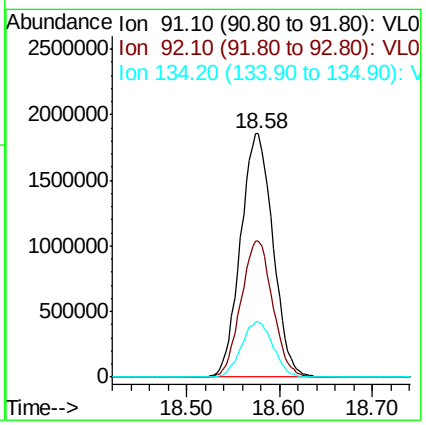


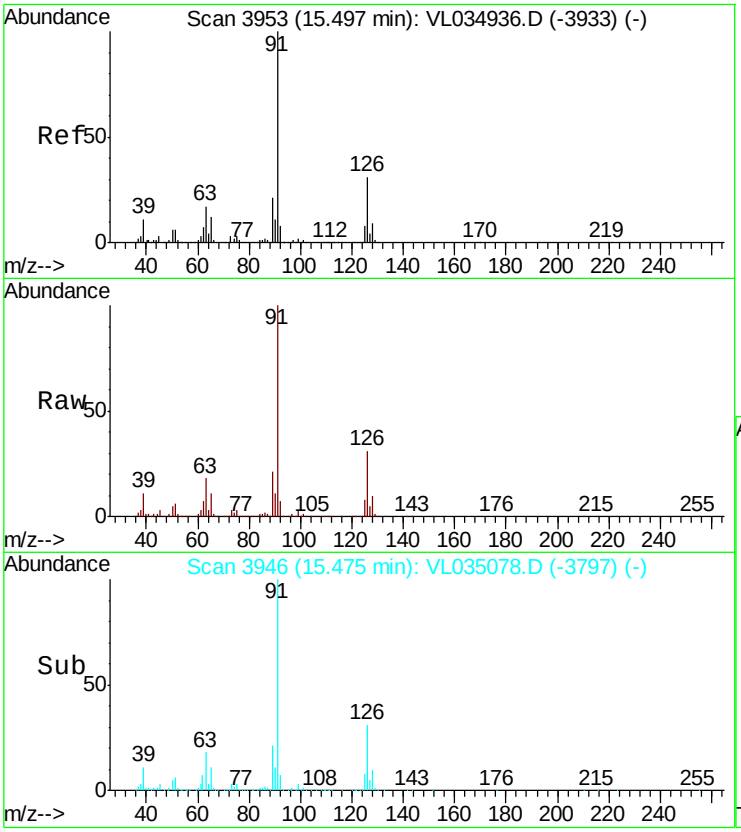


#70
n-Butylbenzene
Concen: 8.323 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 4493879

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.4	66.6
134	22.2	18.0	27.0



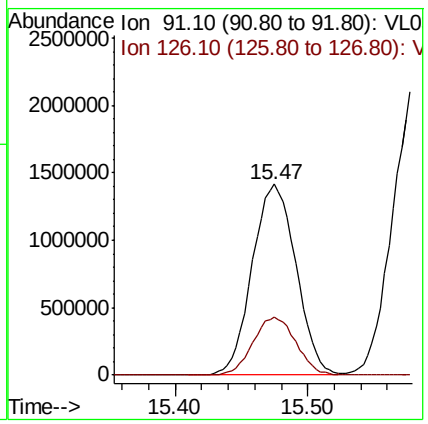


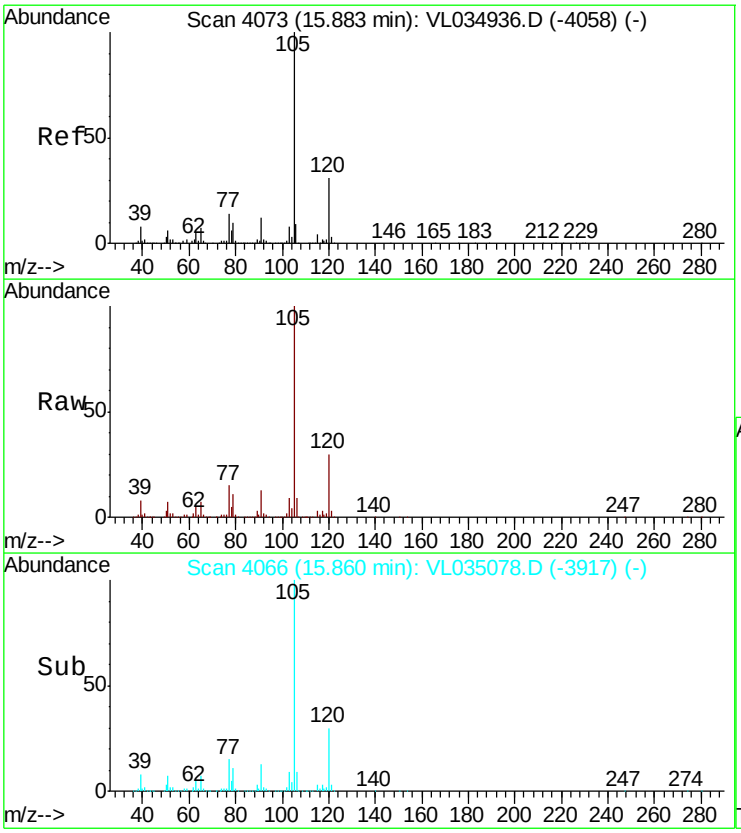
#71
2-Chlorotoluene
Concen: 8.523 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3258782

Ion	Ratio	Lower	Upper
91	100		
126	29.9	12.0	47.8

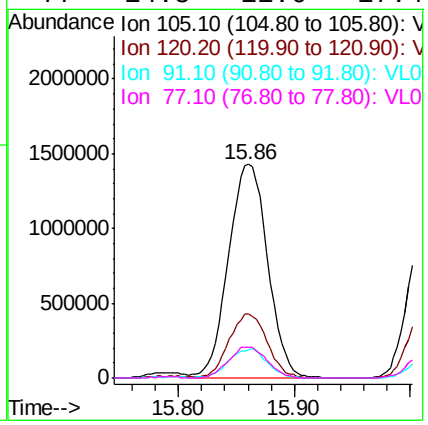


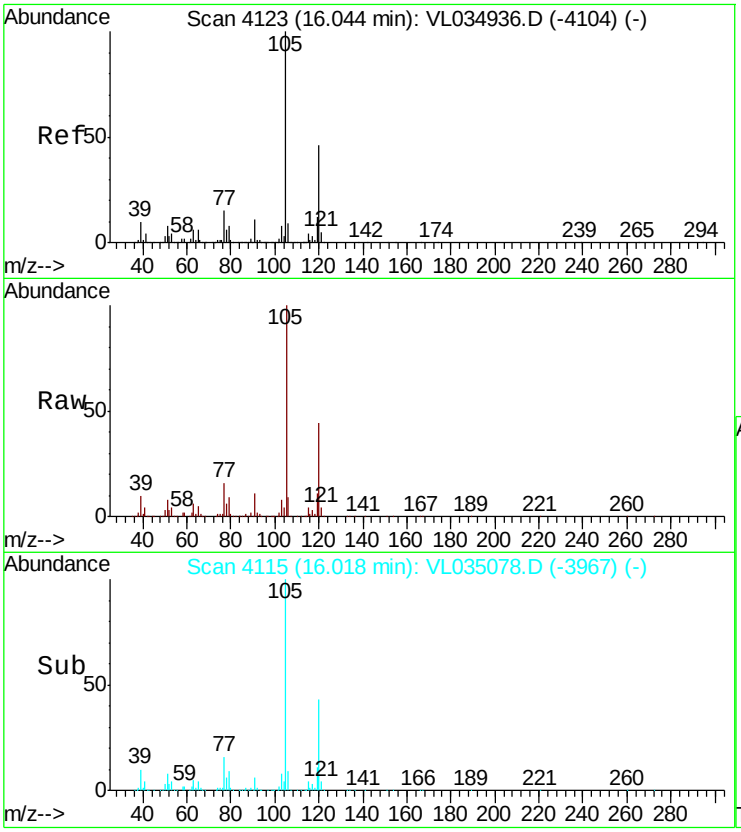


#72
4-Ethyltoluene
Concen: 8.822 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 3338989

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.8	35.8
91	13.5	10.6	15.8
77	14.5	11.6	17.4



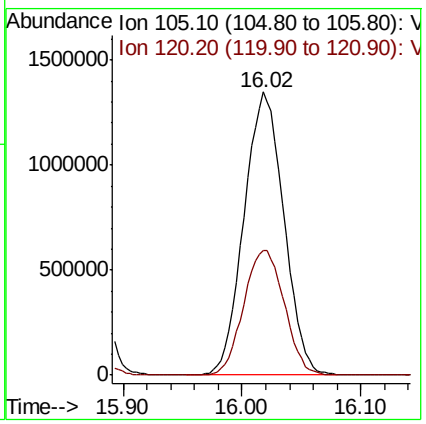


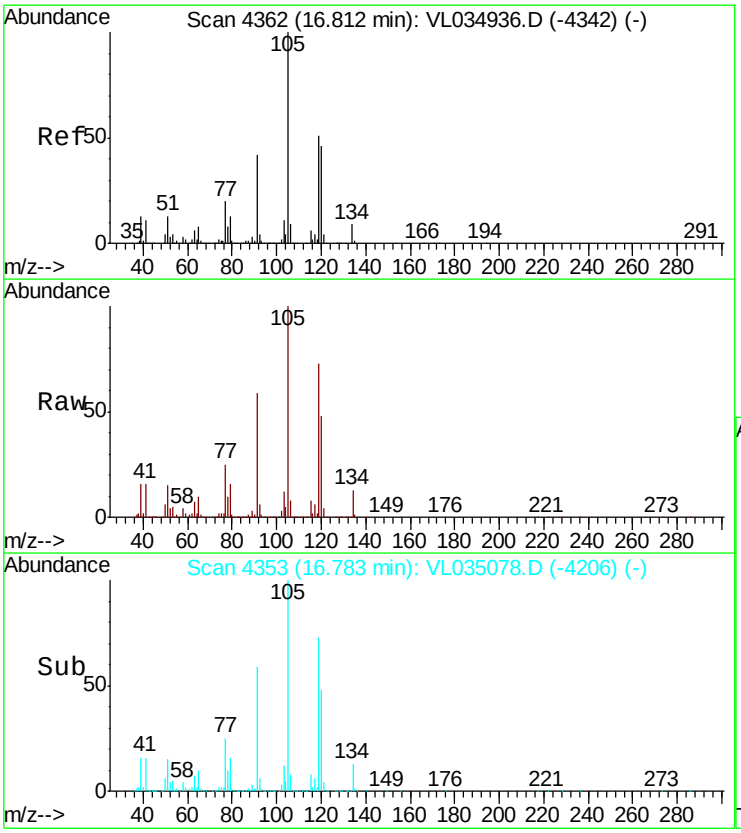
#73
1,3,5-Trimethylbenzene
Concen: 8.449 ppbv
RT: 16.02 min Scan# 4115
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3112022

Ion	Ratio	Lower	Upper
105	100		
120	43.9	36.4	54.6

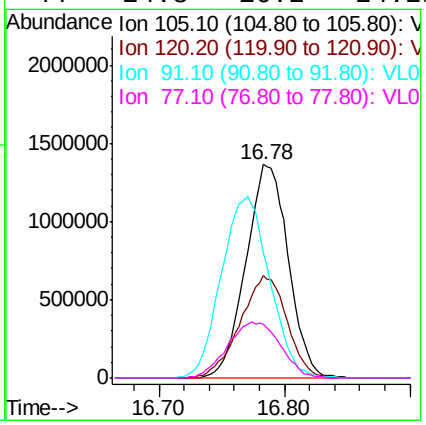


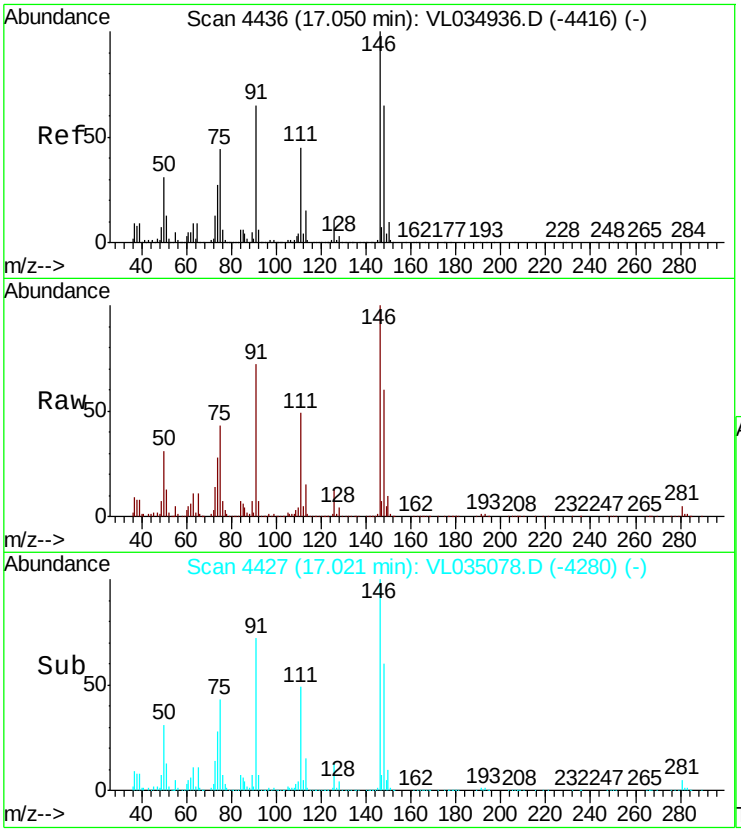


#74
1,2,4-Trimethylbenzene
Concen: 7.967 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 3203263

Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.8	55.2
91	58.5	35.4	53.0#
77	24.8	16.2	24.2#



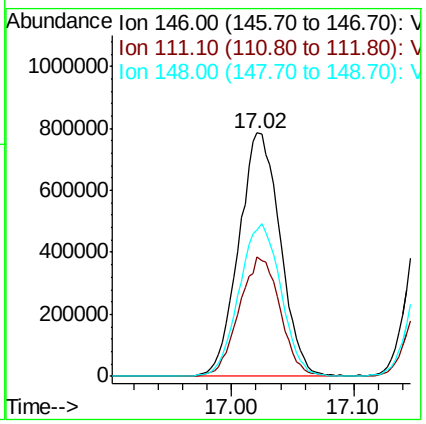


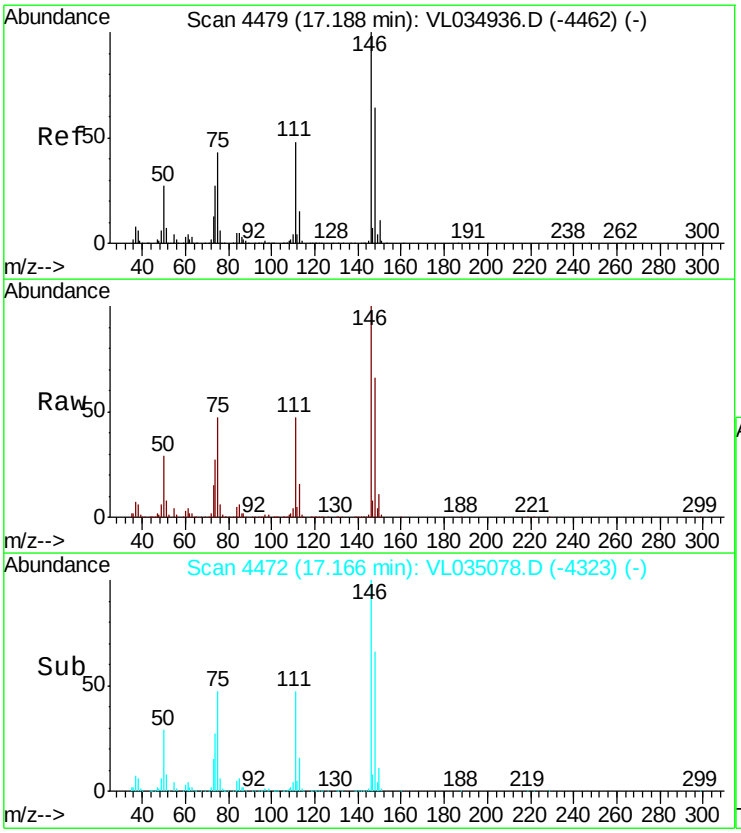
#75
1,3-Dichlorobenzene
Concen: 7.796 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1840505

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.0	72.0
148	63.2	32.6	97.7

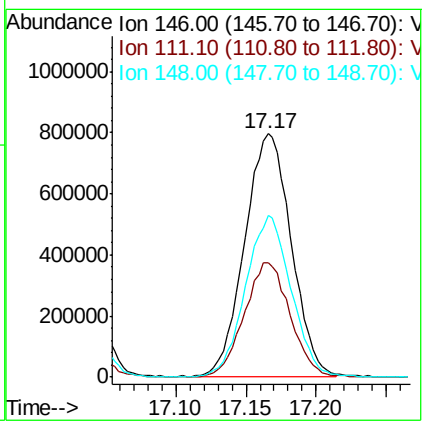


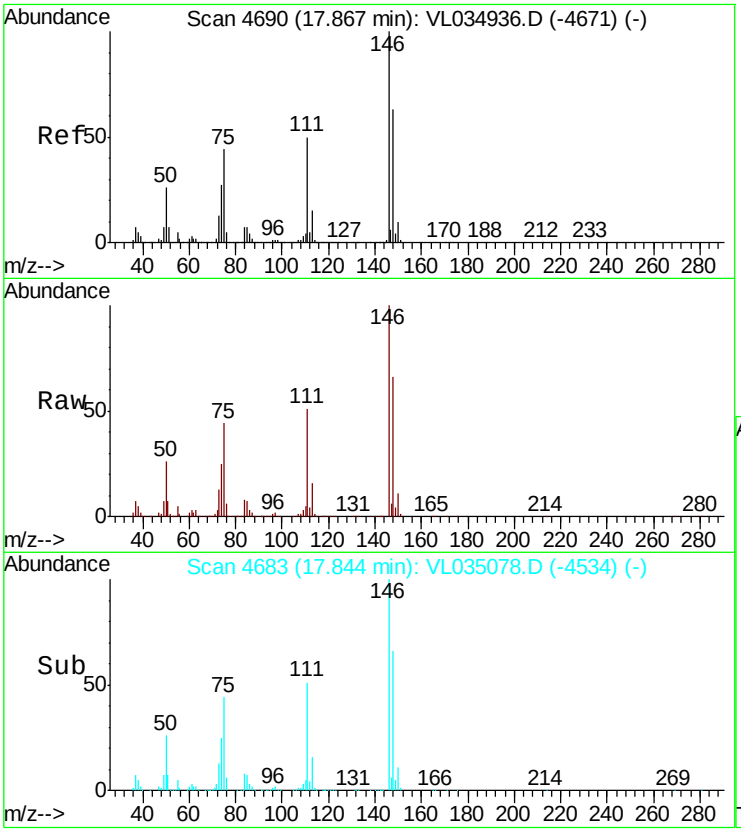


#76
1,4-Dichlorobenzene
Concen: 8.147 ppbv
RT: 17.17 min Scan# 4472
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:146 Resp: 1827425

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.7	71.1
148	65.2	32.6	97.8



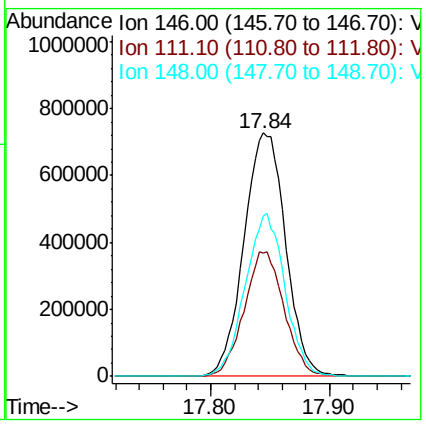


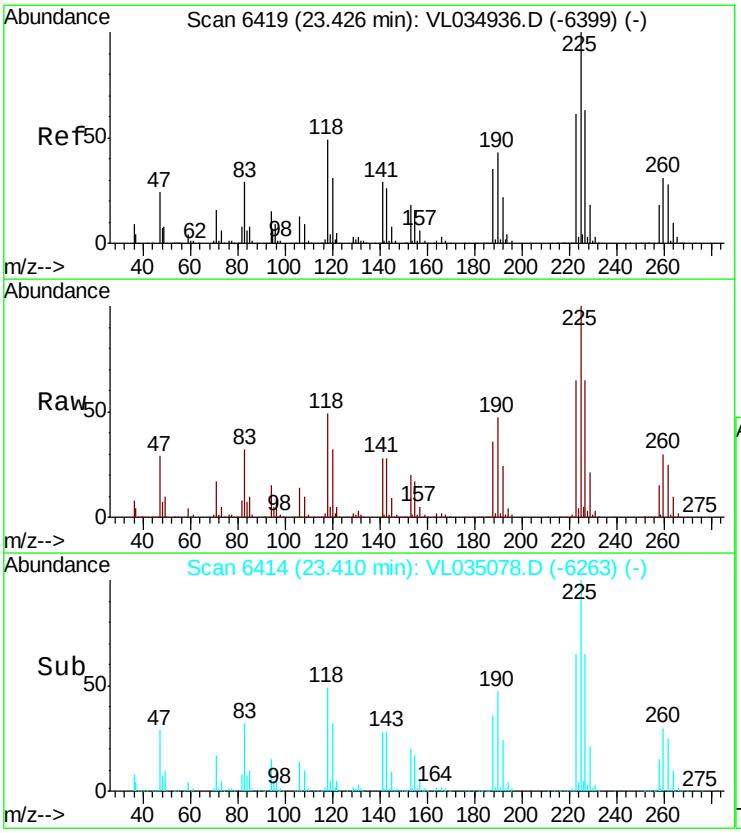
#77
1,2-Dichlorobenzene
Concen: 7.923 ppbv
RT: 17.84 min Scan# 4683
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1762318

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.5	73.5
148	63.9	31.7	95.1

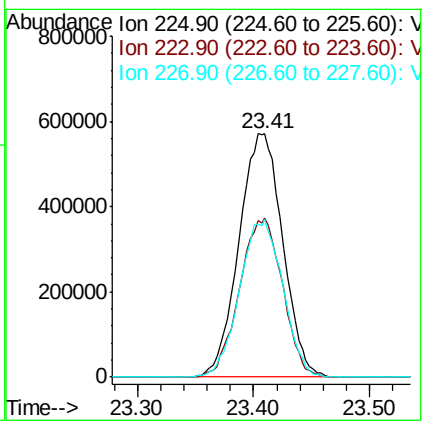


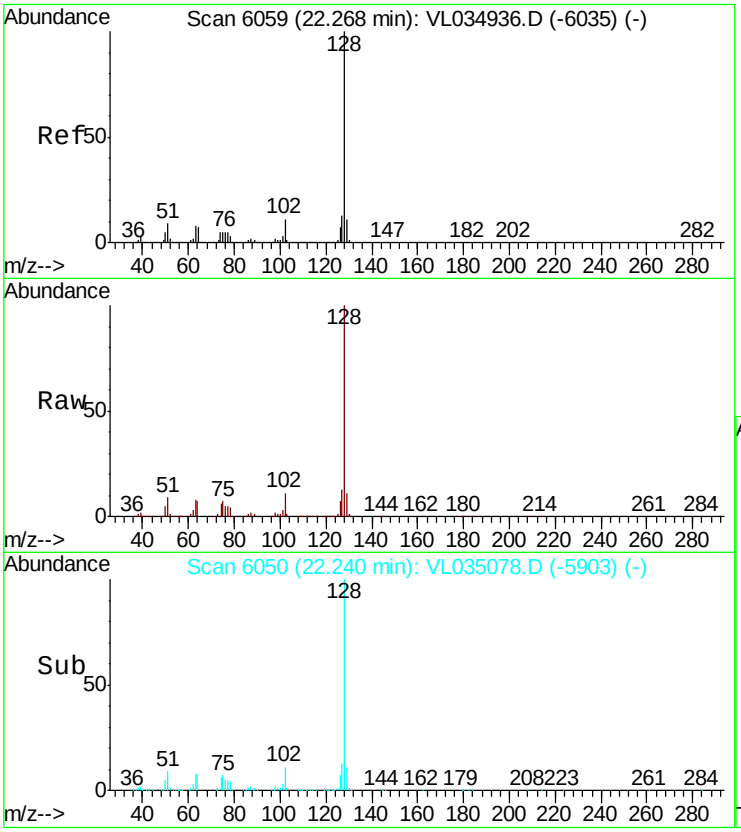


#78
Hexachloro-1,3-Butadiene
Concen: 7.898 ppbv
RT: 23.41 min Scan# 6414
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:225 Resp: 1497568

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.8	74.8
227	63.8	51.8	77.6



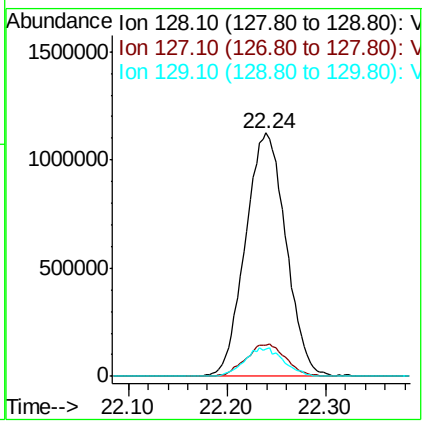


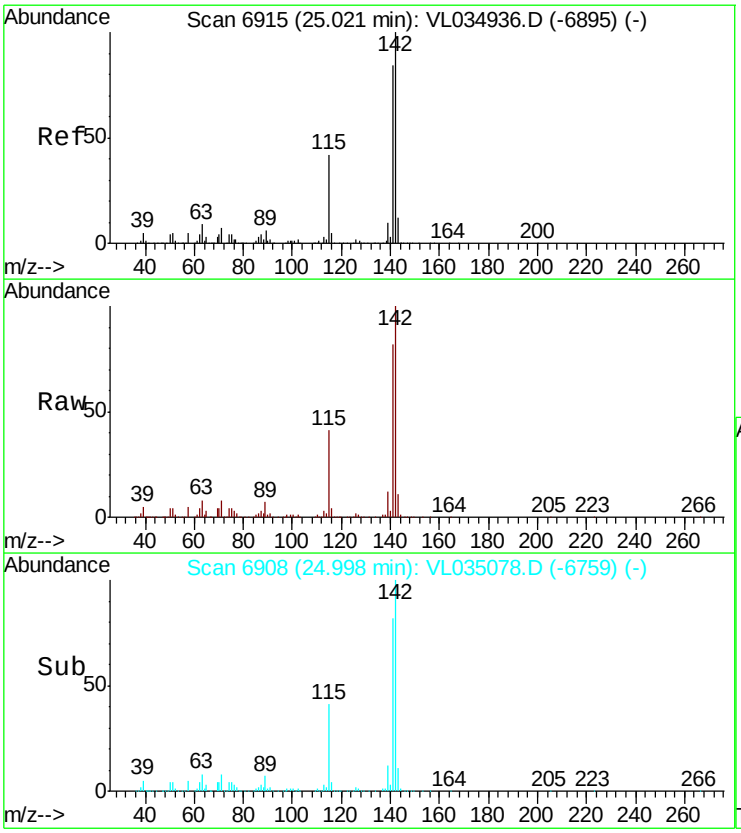
#79
Naphthalene
Concen: 10.165 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3182559

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.2	9.0	13.4

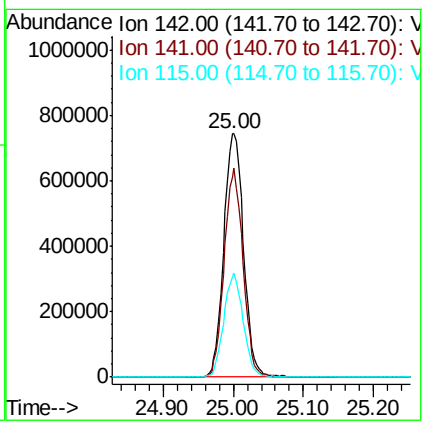


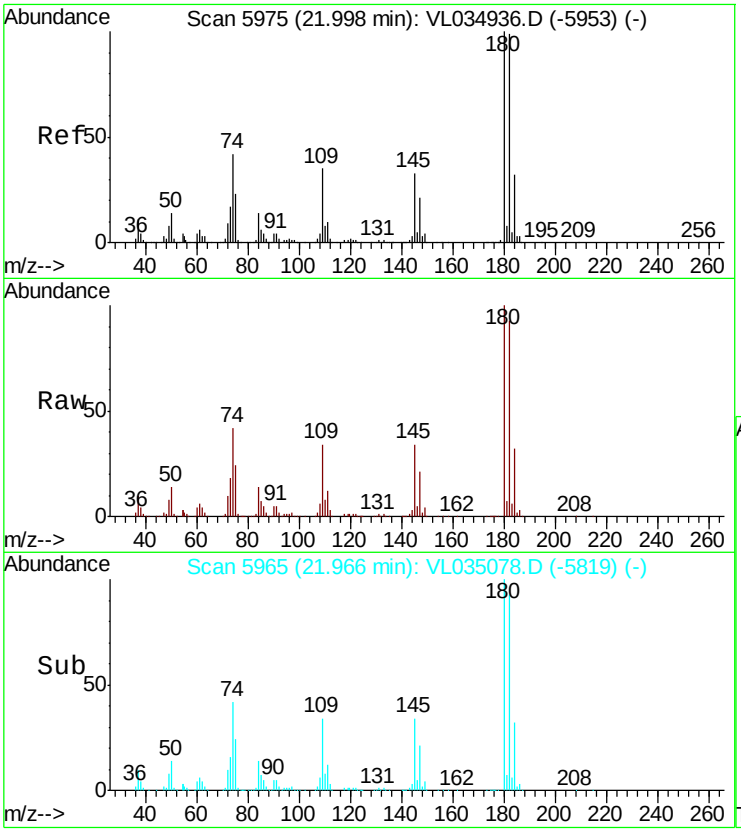


#80
Naphthalene,2-methyl-
Concen: 19.030 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:142 Resp: 1464584

Ion	Ratio	Lower	Upper
142	100		
141	82.0	68.6	102.8
115	41.9	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 4.898 ppbv
RT: 21.97 min Scan# 5965
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 929937

Ion	Ratio	Lower	Upper
180	100		
182	173.7	77.5	116.3#
184	55.1	24.8	37.2#