Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036163.D
Acq On : 16 Dec 2020 10:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:38:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1150204	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2442147	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2962195	10.00	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2098836	8.92	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1207768	9.010	ppbv	99
3) Chlorodifluoromethane	2.96	51	1464200	11.157	ppbv	98
4) Chloromethane	3.12	50	679393	10.545	ppbv	95
5) Vinyl Chloride	3.24	62	651173	9.085	ppbv	95
6) Bromomethane	3.45	94	381691	10.320	ppbv	92
7) Chloroethane	3.53	64	219727	8.999	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1573087	10.559	ppbv	91
9) Propene	2.99	41	666551	10.139	ppbv	97
10) Heptane	8.10	43	1746081	10.400	ppbv	99
11) Trichlorofluoromethane	3.92	101	1740463	11.044	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1106960	10.343	ppbv	94
13) Ethanol	3.58	45	105910	11.686	ppbv	89
14) Bromoethene	3.72	108	468368	10.667	ppbv	94
15) Acetone	3.83	43	1569577	11.354	ppbv	96
16) 1,3-Butadiene	3.30	39	707206	10.158	ppbv	98
17) tert-Butyl alcohol	4.27	59	1247408	9.316	ppbv	100
18) 1,1-Dichloroethene	4.26	96	471476	9.922	ppbv	92
19) Isopropyl Alcohol	3.95	45	793826	9.395	ppbv #	100
20) Methylene Chloride	4.32	84	441547	7.795	ppbv	91
21) Allyl Chloride	4.39	41	918342	9.991	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	453579	9.534	ppbv	94
23) Vinyl Acetate	5.05	43	1866630	10.142	ppbv #	97
24) 1,1-Dichloroethane	4.99	63	1257253	9.713	ppbv	99
25) Ethyl Acetate	5.65	43	2920447	10.575	ppbv	99
26) Hexane	5.66	57	1194528	9.611	ppbv	100
27) Carbon Disulfide	4.53	76	1257999	10.184	ppbv	95
28) Methyl tert-Butyl Ether	5.01	73	1674152	9.474	ppbv	99
29) Chloroform	5.73	83	1818119	11.139	ppbv	98
30) Cyclohexane	7.11	84	956545	10.477	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1240640	10.981	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1792922	10.646	ppbv	98
34) 2-Butanone	5.22	43	1808650	11.165	ppbv	100
35) Carbon Tetrachloride	6.99	117	1720898	12.084	ppbv	99
36) Benzene	6.87	78	2395098	11.572	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1548394	12.911	ppbv	98
38) Trichloroethene	7.81	130	727798	9.407	ppbv	93
39) 1,2-Dichloropropane	7.59	63	967852	11.841	ppbv	97
40) 1,4-Dioxane	7.81	88	302937	11.784	ppbv #	99
41) Tetrahydrofuran	6.02	42	1093866	11.366	ppbv	99
42) Bromodichloromethane	7.77	83	2000627	12.519	ppbv	97
43) Methyl Methacrylate	7.99	69	1047037	11.792	ppbv	94

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036163.D
Acq On : 16 Dec 2020 10:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:38:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4236569	11.303	ppbv		99
45) t-1,3-Dichloropropene	9.26	75	1179123	12.926	ppbv		97
46) cis-1,3-Dichloropropene	8.68	75	1415408	12.380	ppbv		95
47) 1,1,2-Trichloroethane	9.46	97	915934	11.648	ppbv		94
48) Dibromochloromethane	10.28	129	1454118	12.246	ppbv		98
49) Bromoform	13.01	173	1198270	12.821	ppbv		98
50) 4-Methyl-2-Pentanone	8.72	43	2877503	11.911	ppbv		100
51) 2-Hexanone	10.11	43	2345407	12.420	ppbv	#	98
52) Tetrachloroethene	11.20	164	710589	9.484	ppbv		95
53) Toluene	9.78	91	2662788	11.458	ppbv		100
54) 1,2-Dibromoethane	10.59	107	1356797	11.511	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1094412	8.910	ppbv		96
57) Chlorobenzene	12.12	112	1777901	8.549	ppbv		94
58) Ethyl Benzene	12.69	91	3664278	9.026	ppbv		99
59) m/p-Xylene	12.98	91	3437884	10.055	ppbv	#	52
60) o-Xylene	13.67	91	2899699	9.001	ppbv		96
61) Styrene	13.50	104	1957782	9.466	ppbv		96
62) Isopropylbenzene	14.64	105	4175345	8.744	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2007417	9.253	ppbv		99
64) n-propylbenzene	15.54	120	997679	8.684	ppbv		81
65) tert-Butylbenzene	16.73	119	3431970	8.781	ppbv		92
66) Benzyl Chloride	16.97	91	1178248	12.107	ppbv		96
67) sec-Butylbenzene	17.27	105	5003672	9.147	ppbv		97
69) p-Isopropyltoluene	17.63	119	3932152	9.037	ppbv		96
70) n-Butylbenzene	18.53	91	4381626	10.189	ppbv		99
71) 2-Chlorotoluene	15.43	91	3410976	9.450	ppbv		95
72) 4-Ethyltoluene	15.82	105	3236686	9.275	ppbv		97
73) 1,3,5-Trimethylbenzene	15.97	105	3053008	9.161	ppbv		95
74) 1,2,4-Trimethylbenzene	16.74	105	3085547	9.223	ppbv		96
75) 1,3-Dichlorobenzene	16.98	146	1538270	9.186	ppbv		98
76) 1,4-Dichlorobenzene	17.11	146	1480985	8.686	ppbv		95
77) 1,2-Dichlorobenzene	17.79	146	1466269	9.170	ppbv		97
78) Hexachloro-1,3-Butadiene	23.35	225	905425	7.065	ppbv		100
79) Naphthalene	22.17	128	1546708	9.095	ppbv		99
80) Naphthalene,2-methyl-	24.96	142	588444	15.475	ppbv		97
81) 1,2,4-Trichlorobenzene	21.90	180	895976	7.886	ppbv	#	100

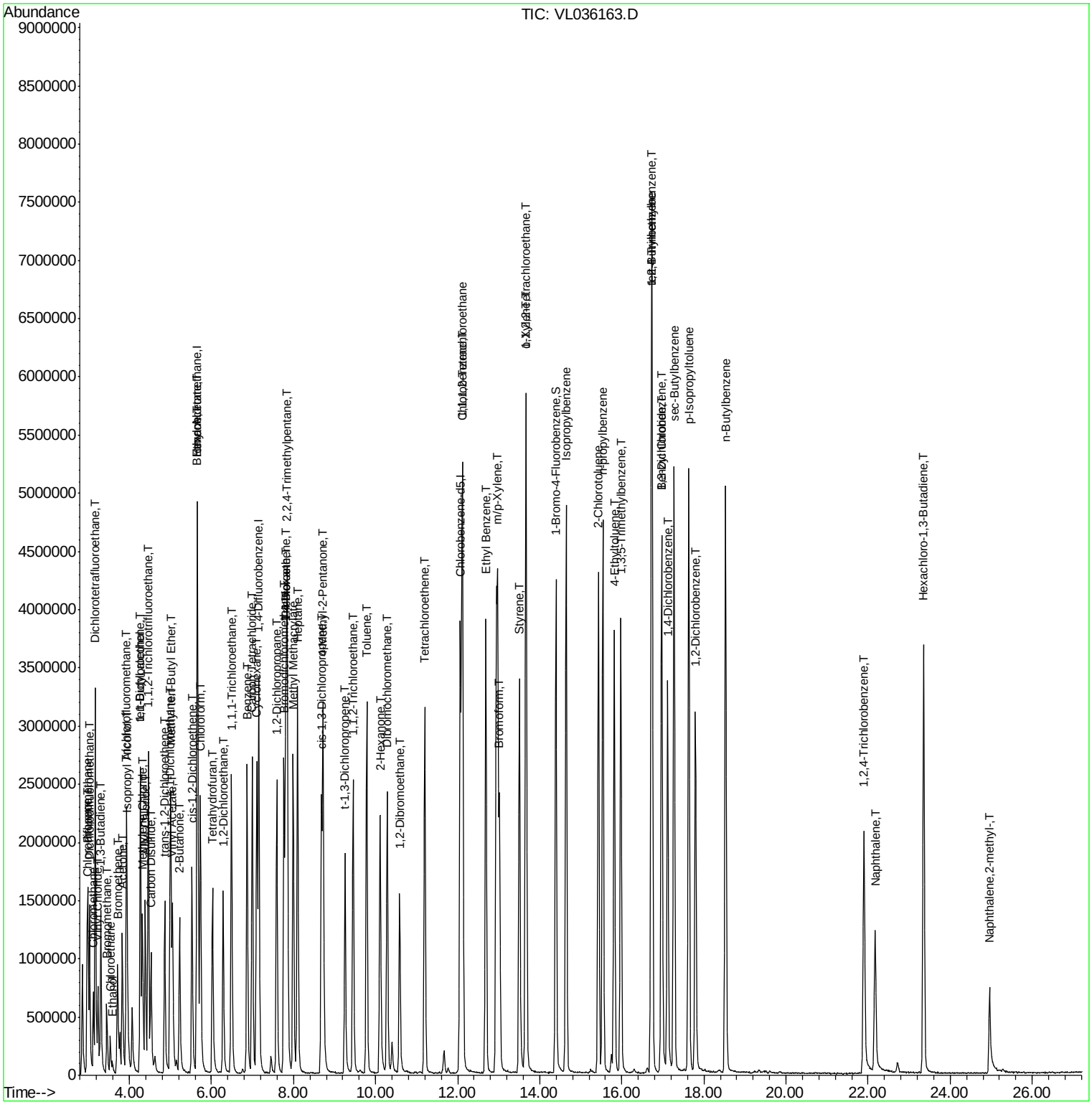
(#) = qualifier out of range (m) = manual integration (+) = signals summed

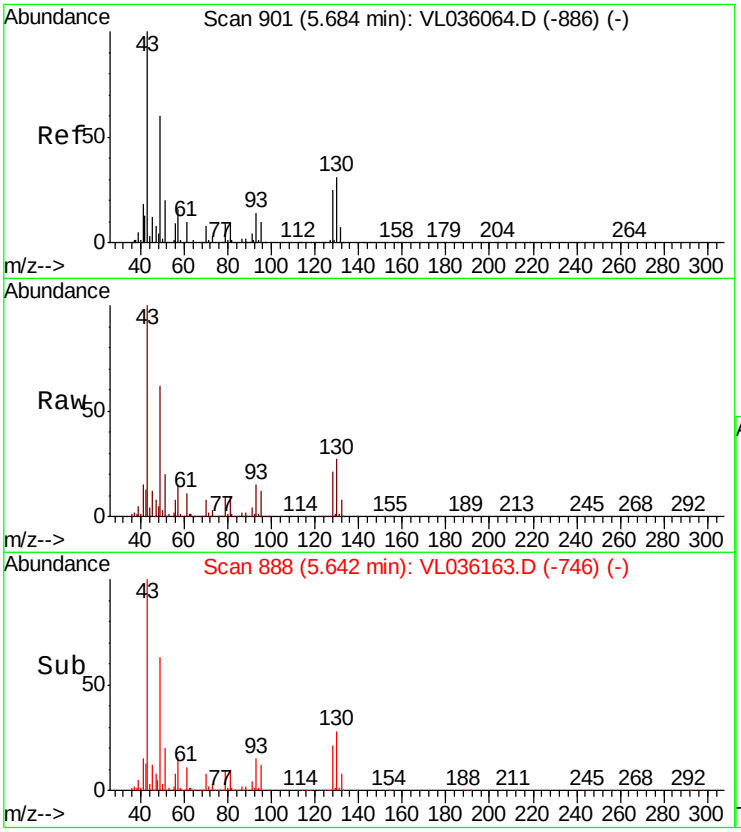
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036163.D
Acq On : 16 Dec 2020 10:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 03:38:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



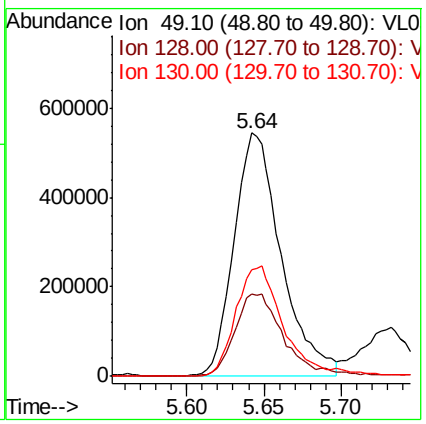


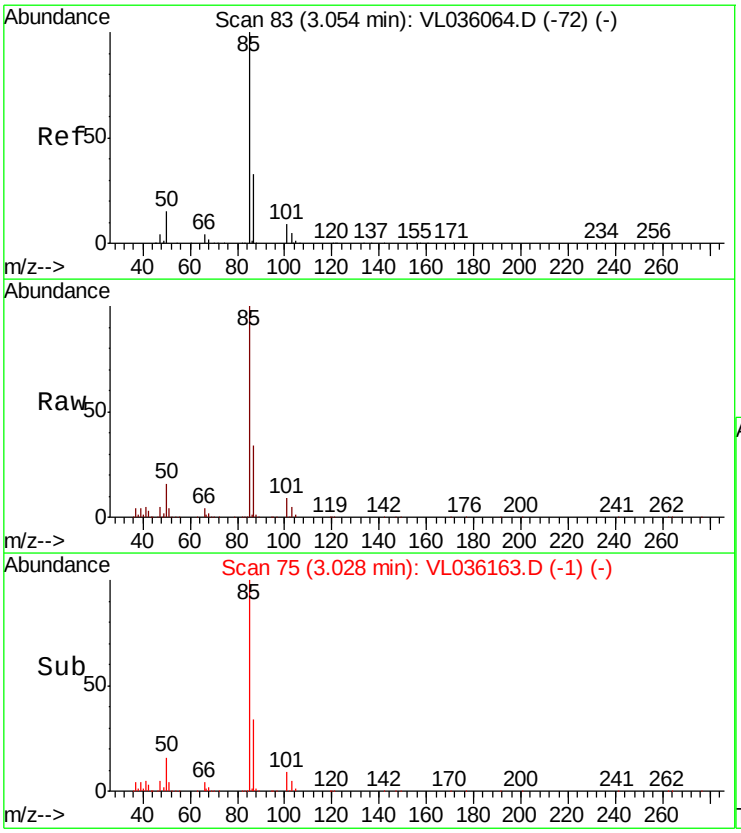
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1150204

Ion	Ratio	Lower	Upper
49	100		
128	36.5	21.1	63.1
130	46.9	27.1	81.3

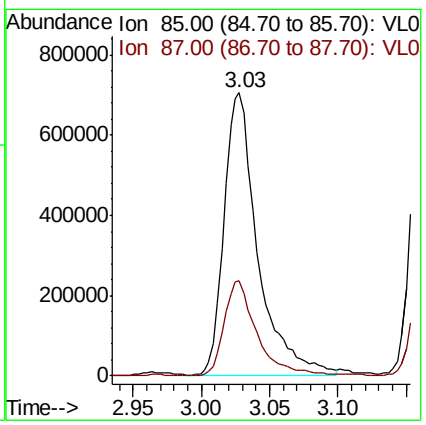


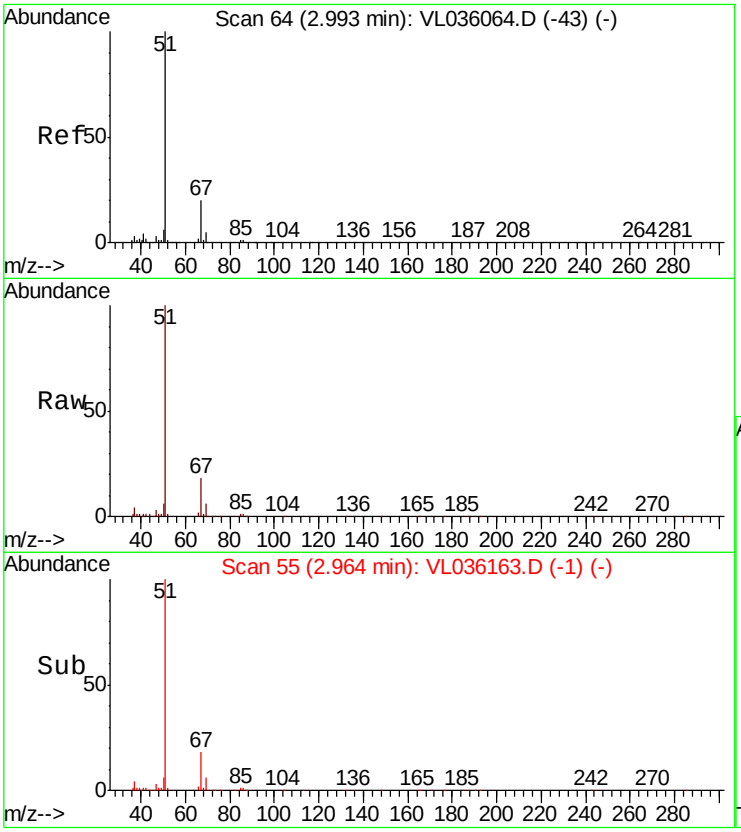


#2
Dichlorodifluoromethane
Concen: 9.010 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 85 Resp: 1207768

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.5	39.7

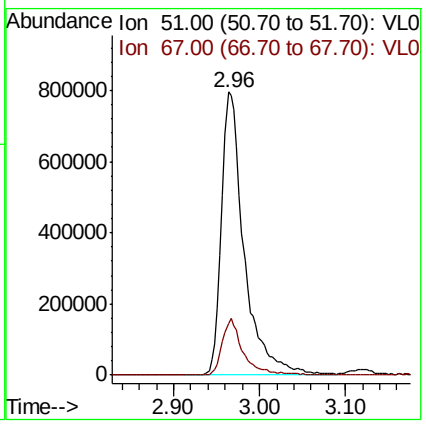




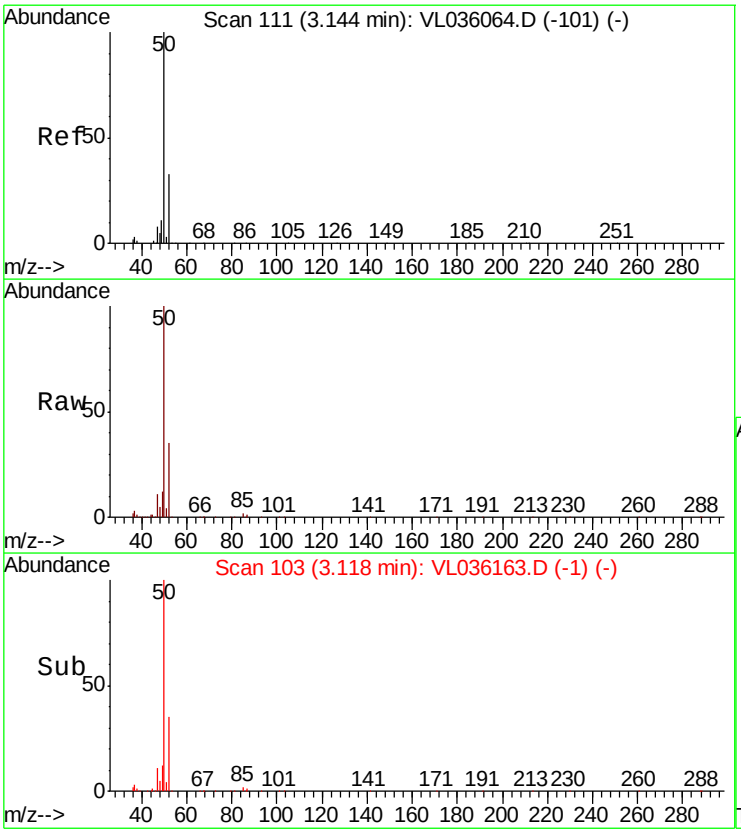
#3
Chlorodifluoromethane
Concen: 11.157 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 51 Resp: 1464200

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.3	21.5



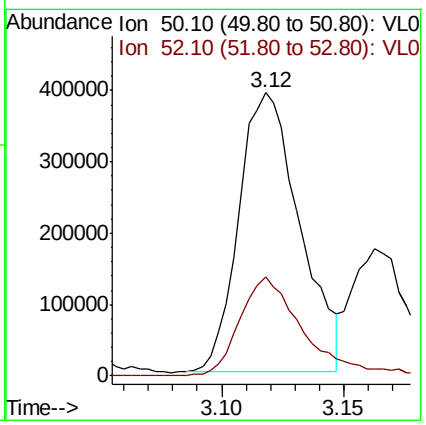
Instrument :
MSVOA_L
ClientSampleId :

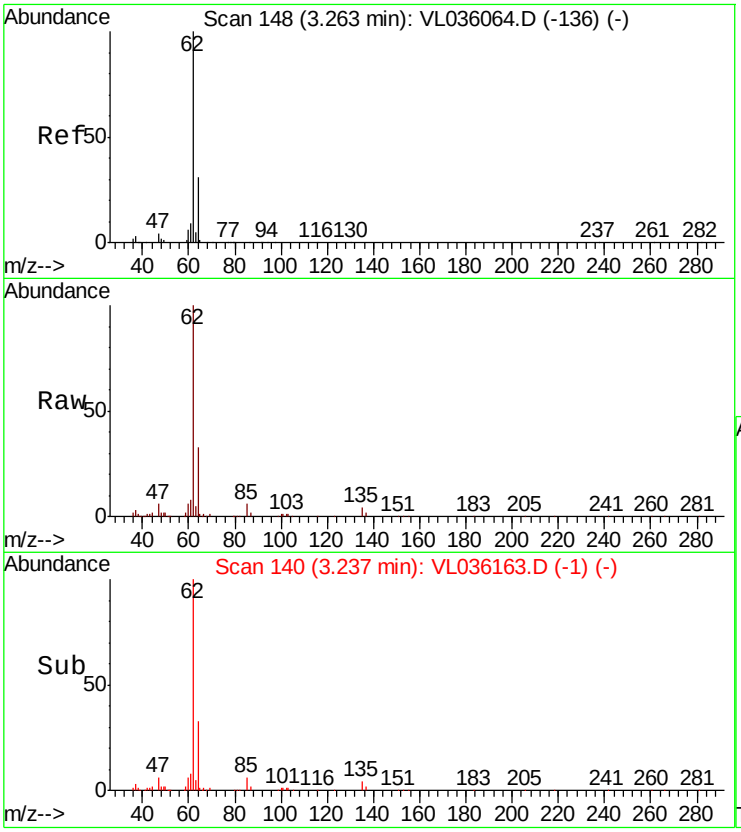


#4
Chloromethane
Concen: 10.545 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 50 Resp: 679393

Ion	Ratio	Lower	Upper
50	100		
52	35.5	26.1	39.1



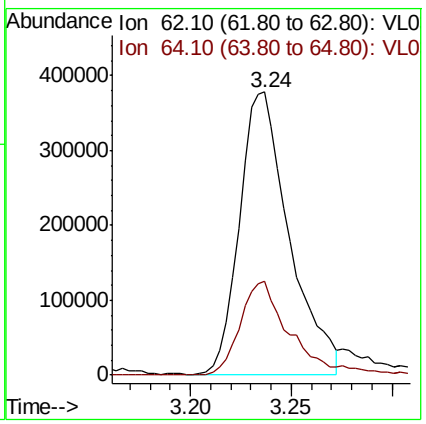


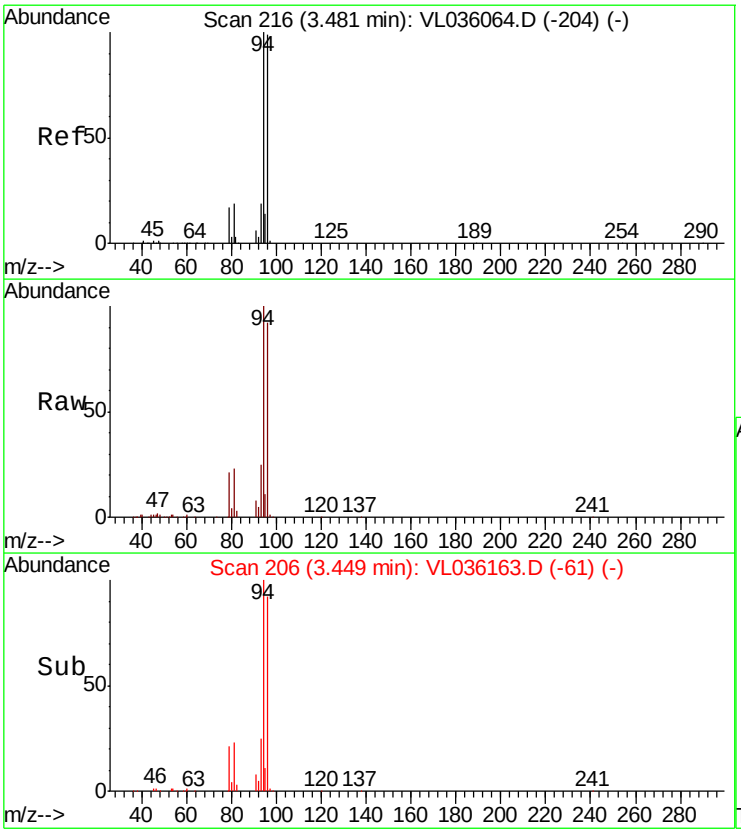
#5
Vinyl Chloride
Concen: 9.085 ppbv
RT: 3.24 min Scan# 140
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 651173

Ion	Ratio	Lower	Upper
62	100		
64	33.3	24.5	36.7

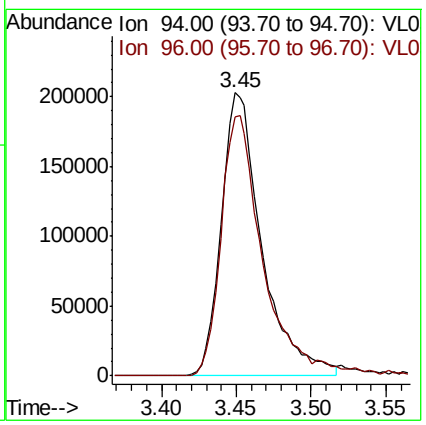


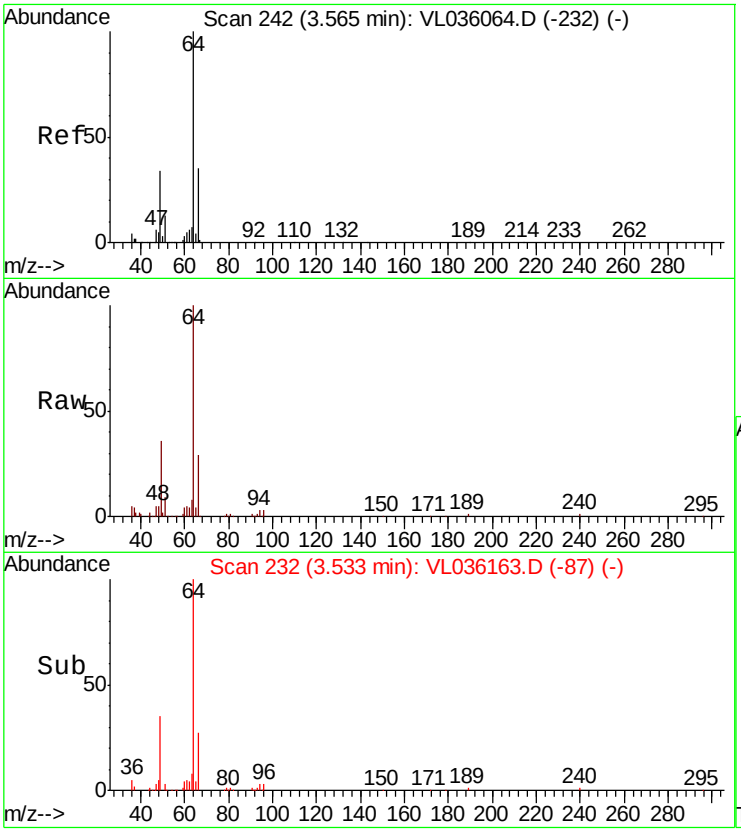


#6
Bromomethane
Concen: 10.320 ppbv
RT: 3.45 min Scan# 206
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 94 Resp: 381691

Ion	Ratio	Lower	Upper
94	100		
96	91.5	79.4	119.0



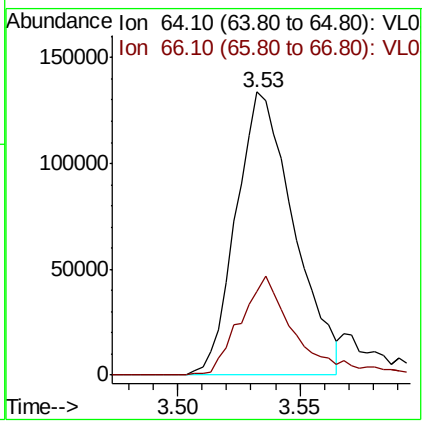


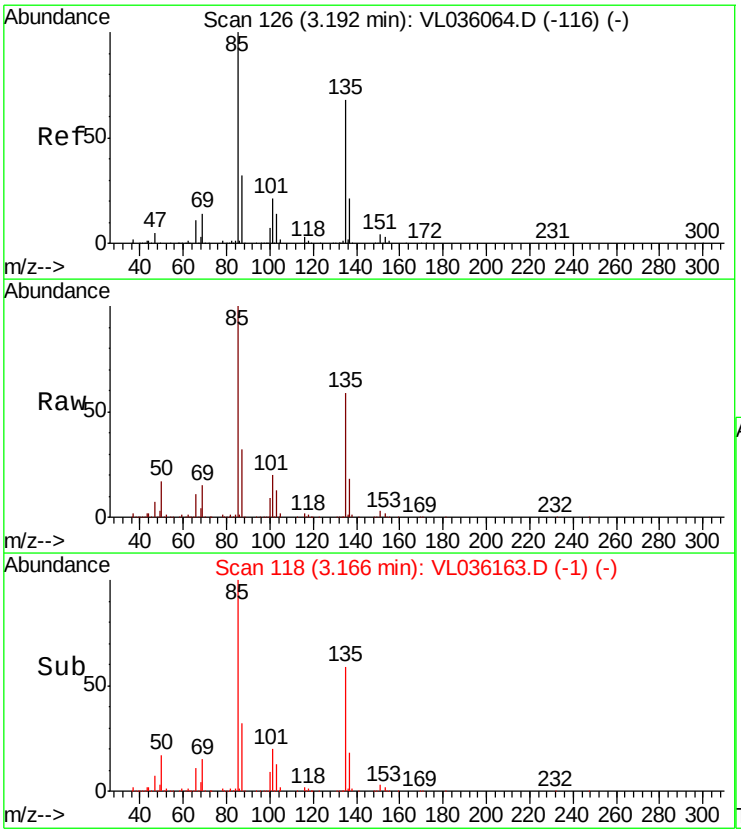
#7
Chloroethane
Concen: 8.999 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 219727

Ion	Ratio	Lower	Upper
64	100		
66	29.4	27.7	41.5

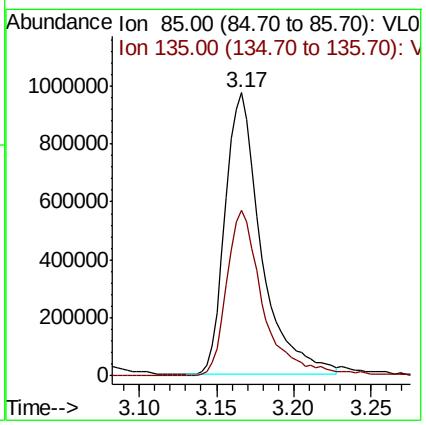


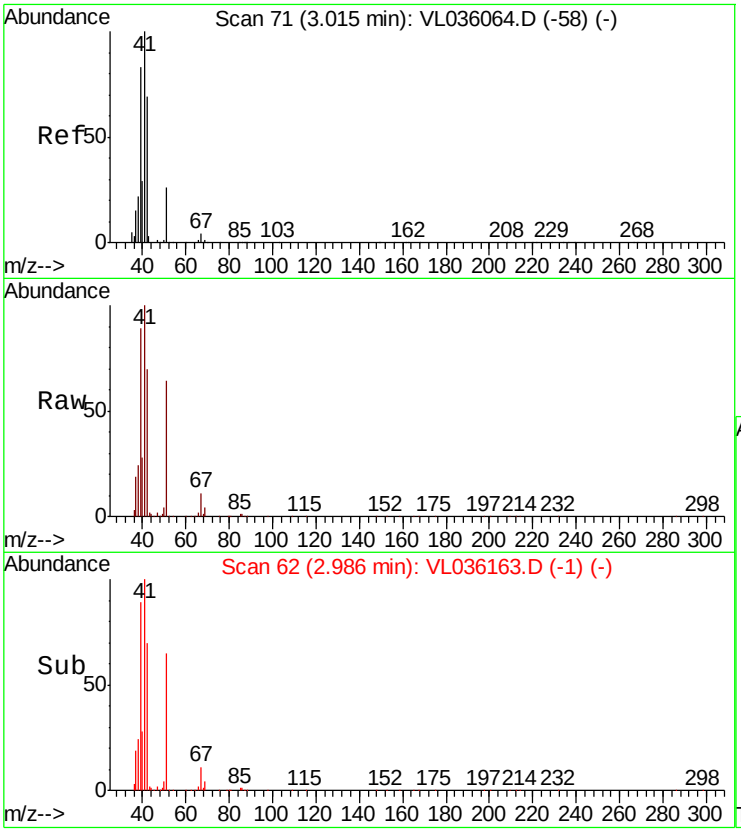


#8
Dichlorotetrafluoroethane
Concen: 10.559 ppbv
RT: 3.17 min Scan# 118
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 85 Resp: 1573087

Ion	Ratio	Lower	Upper
85	100		
135	60.3	53.8	80.8

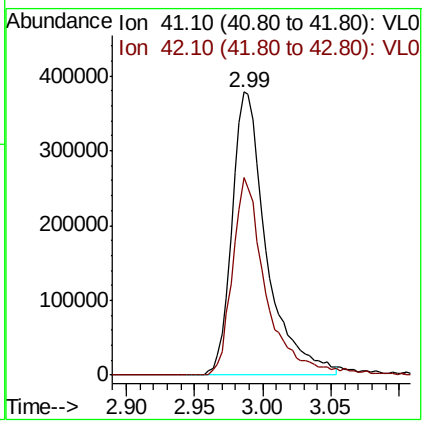




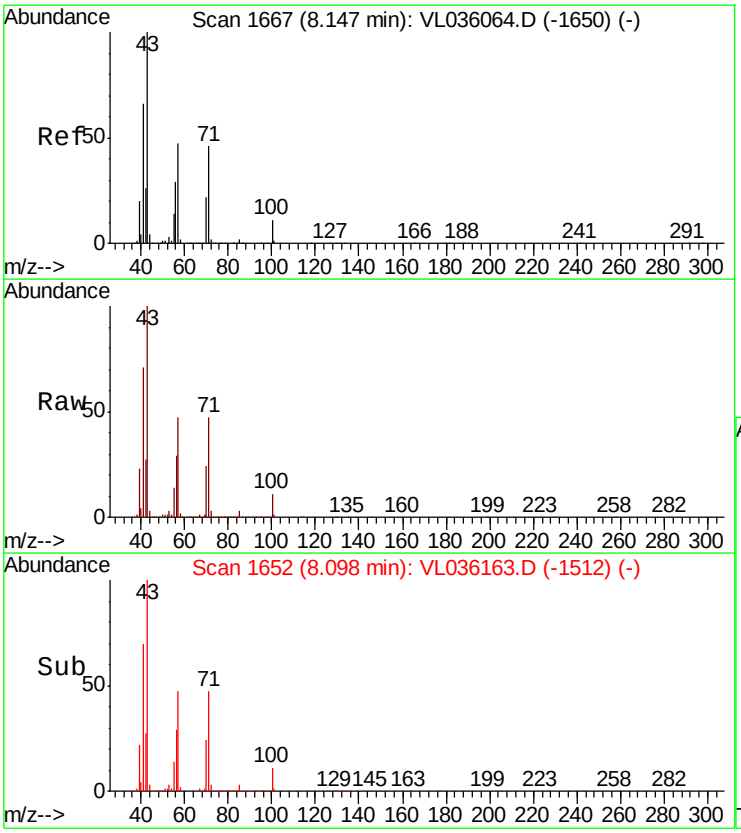
#9
Propene
Concen: 10.139 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 41 Resp: 666551

Ion	Ratio	Lower	Upper
41	100		
42	68.6	57.0	85.6



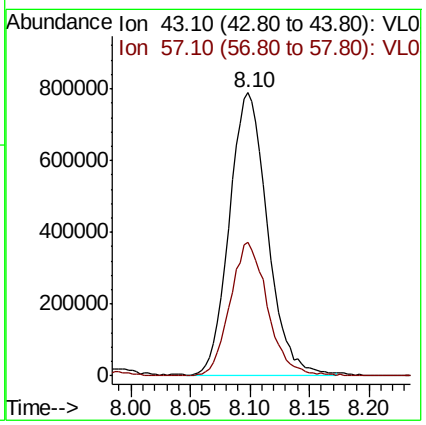
Instrument :
MSVOA_L
ClientSampleId :

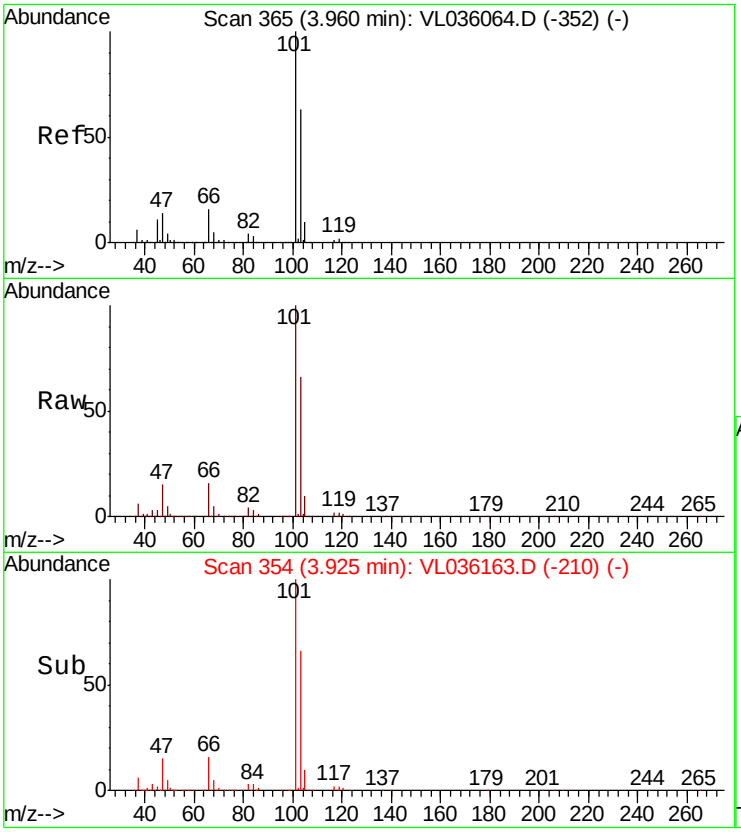


#10
Heptane
Concen: 10.400 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 43 Resp: 1746081

Ion	Ratio	Lower	Upper
43	100		
57	46.7	37.9	56.9



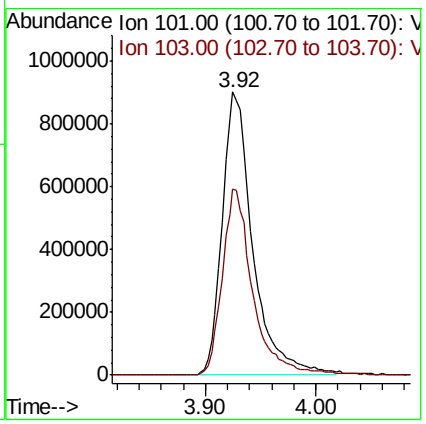


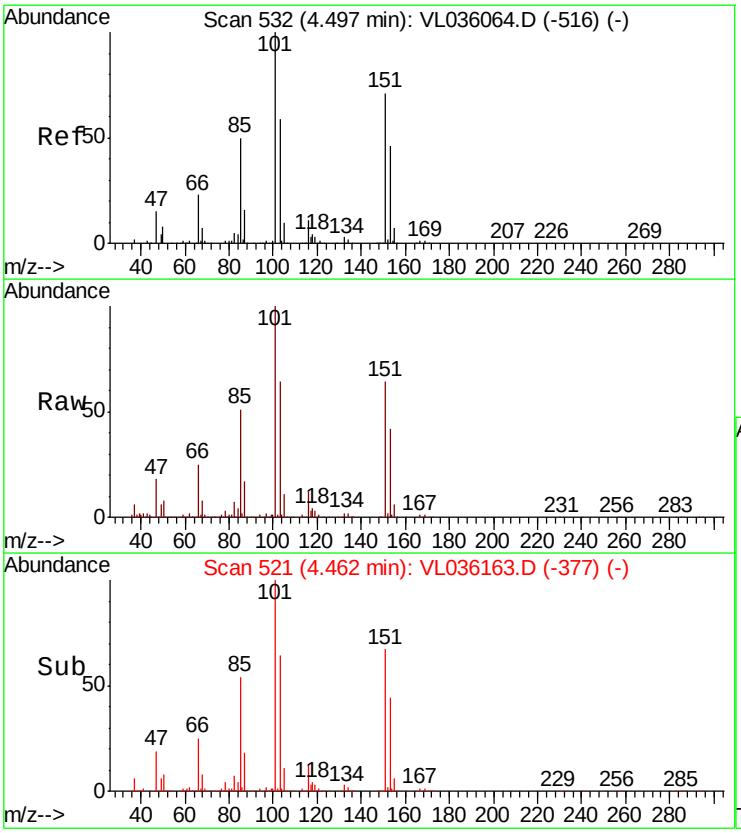
#11
Trichlorofluoromethane
Concen: 11.044 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1740463

Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.3	75.5

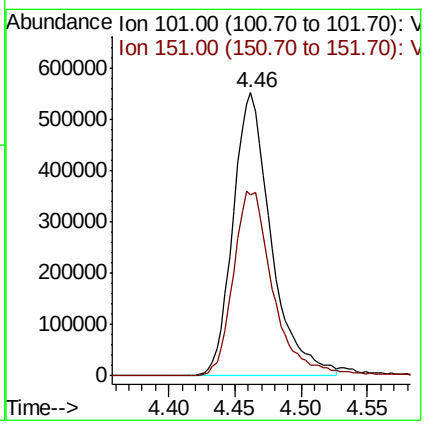


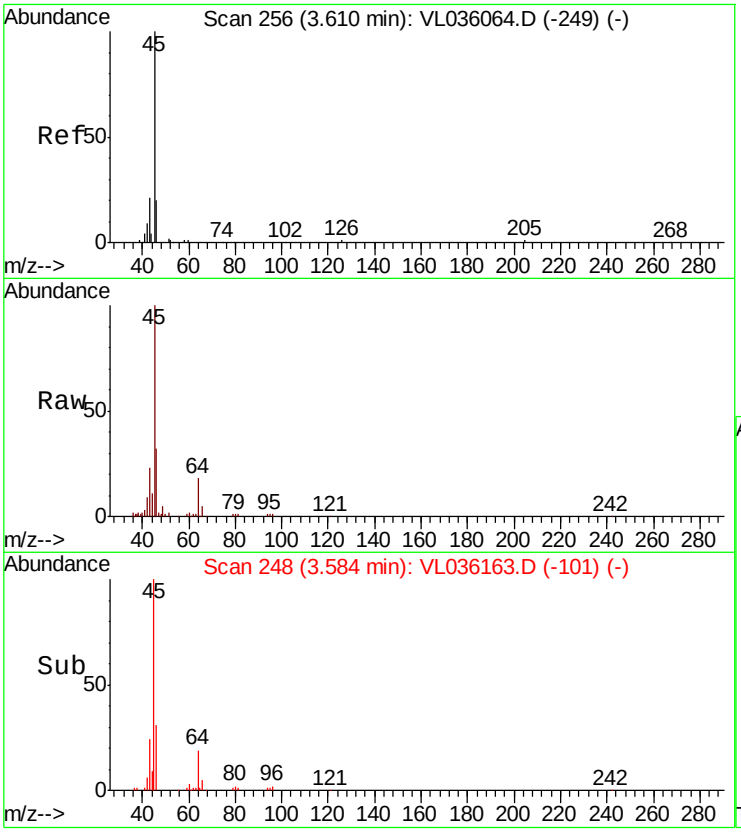


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.343 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:101 Resp: 1106960

Ion	Ratio	Lower	Upper
101	100		
151	68.6	59.3	88.9



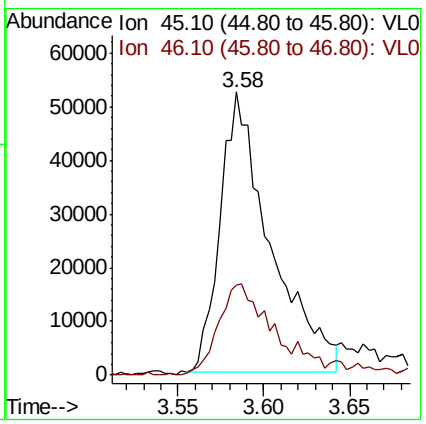


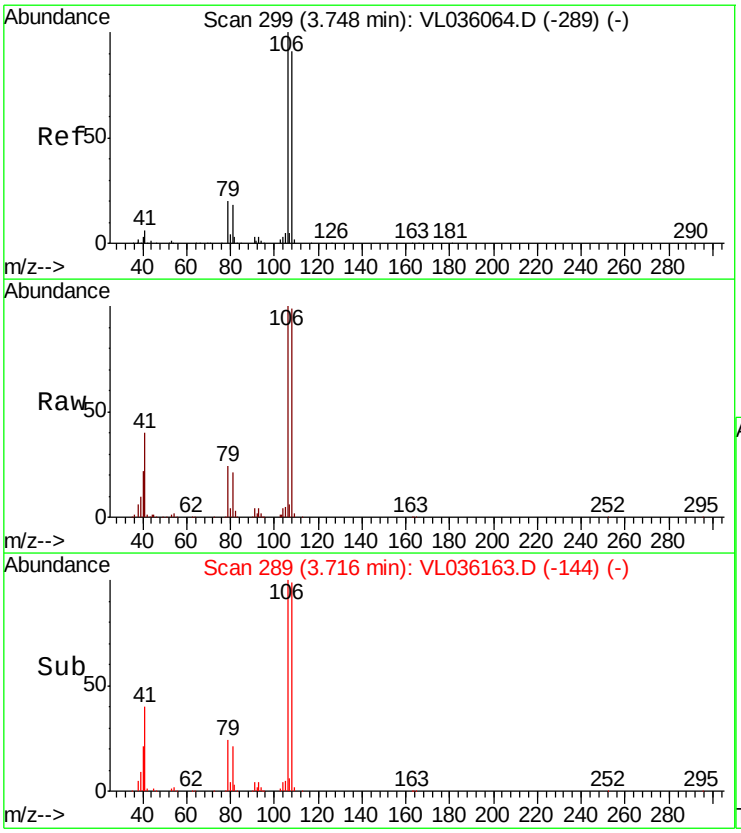
#13
Ethanol
Concen: 11.686 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 105910

Ion	Ratio	Lower	Upper
45	100		
46	40.3	19.0	75.8

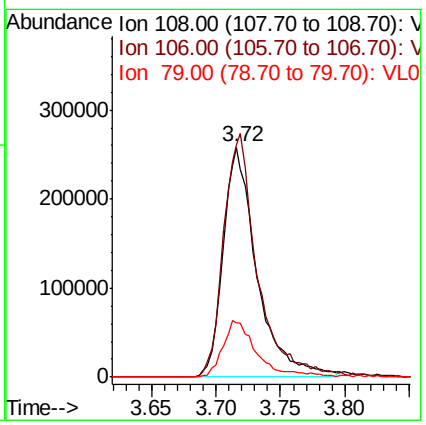


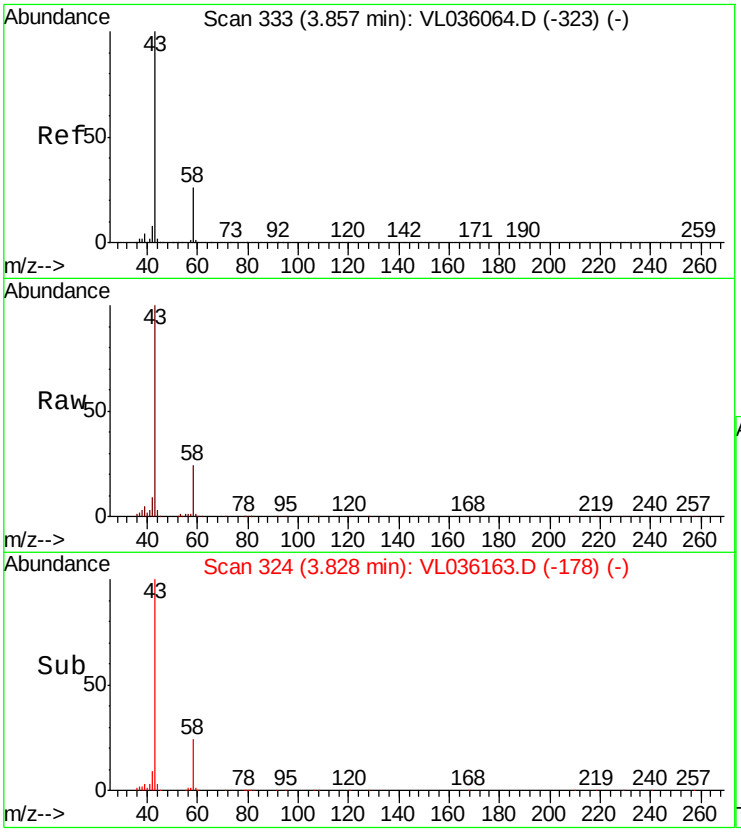


#14
Bromoethene
Concen: 10.667 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:108 Resp: 468368

Ion	Ratio	Lower	Upper
108	100		
106	106.7	91.0	136.4
79	25.4	19.3	28.9



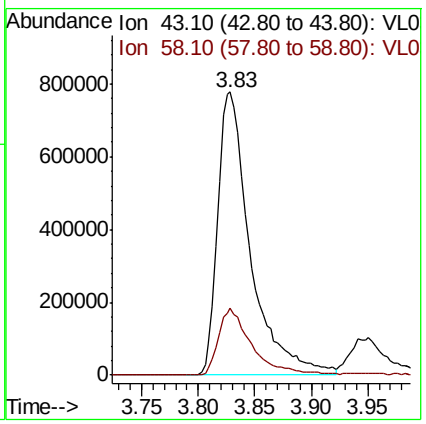


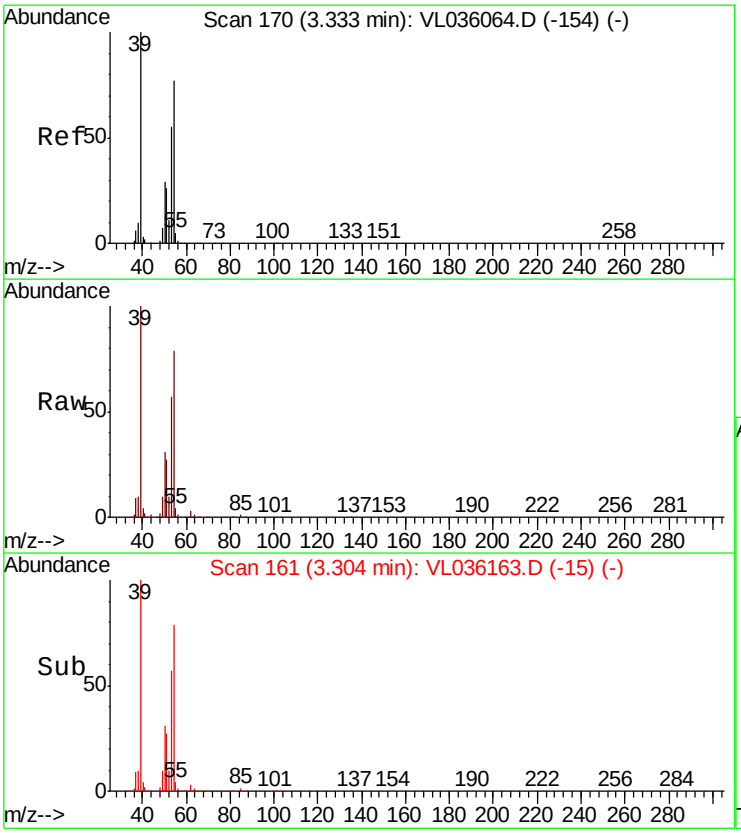
#15
Acetone
Concen: 11.354 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1569577

Ion	Ratio	Lower	Upper
43	100		
58	24.2	20.9	31.3

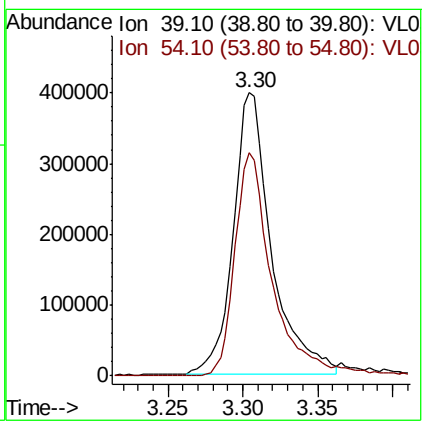


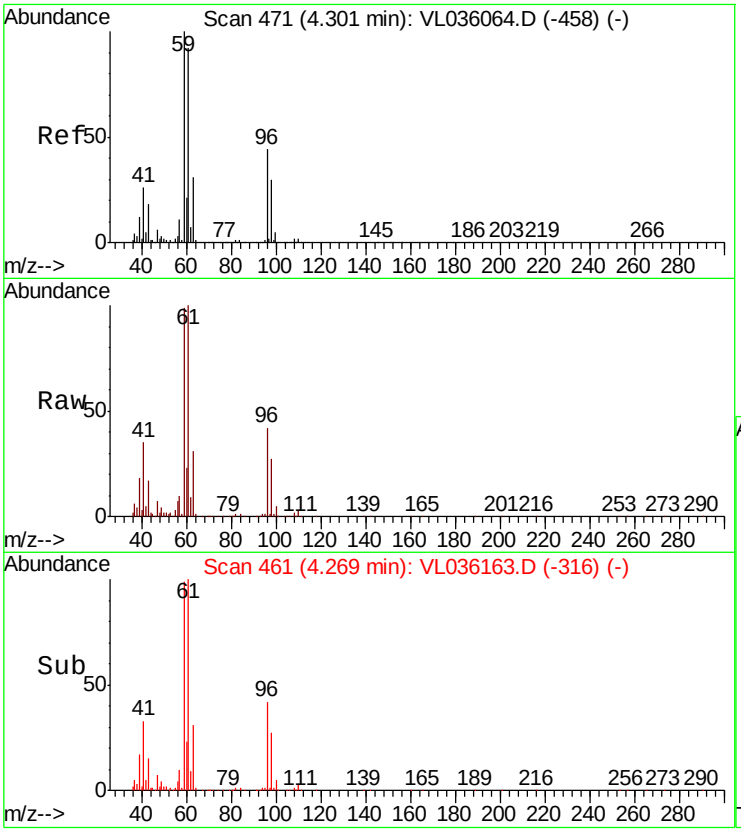


#16
1,3-Butadiene
Concen: 10.158 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 39 Resp: 707206

Ion	Ratio	Lower	Upper
39	100		
54	79.2	62.1	93.1



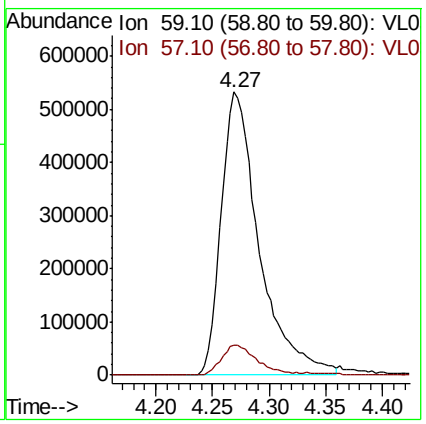


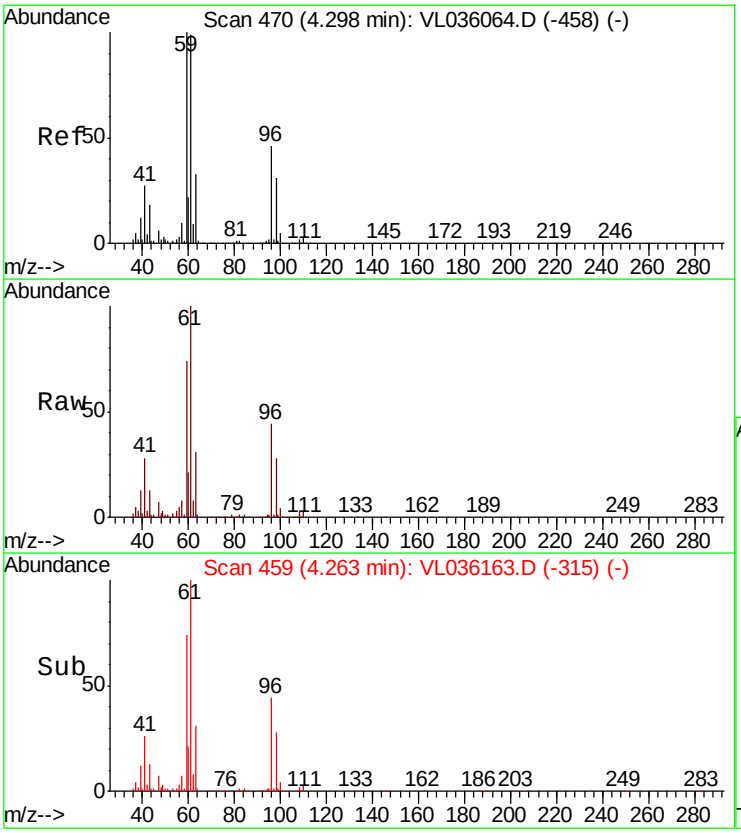
#17
tert-Butyl alcohol
Concen: 9.316 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1247408

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

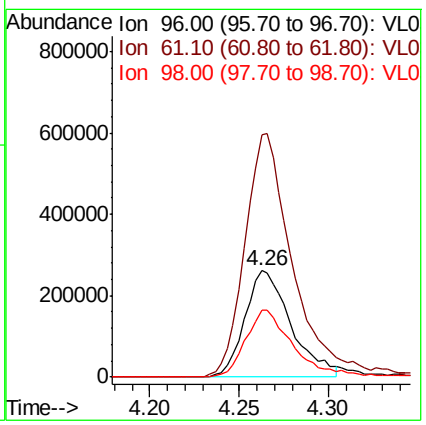


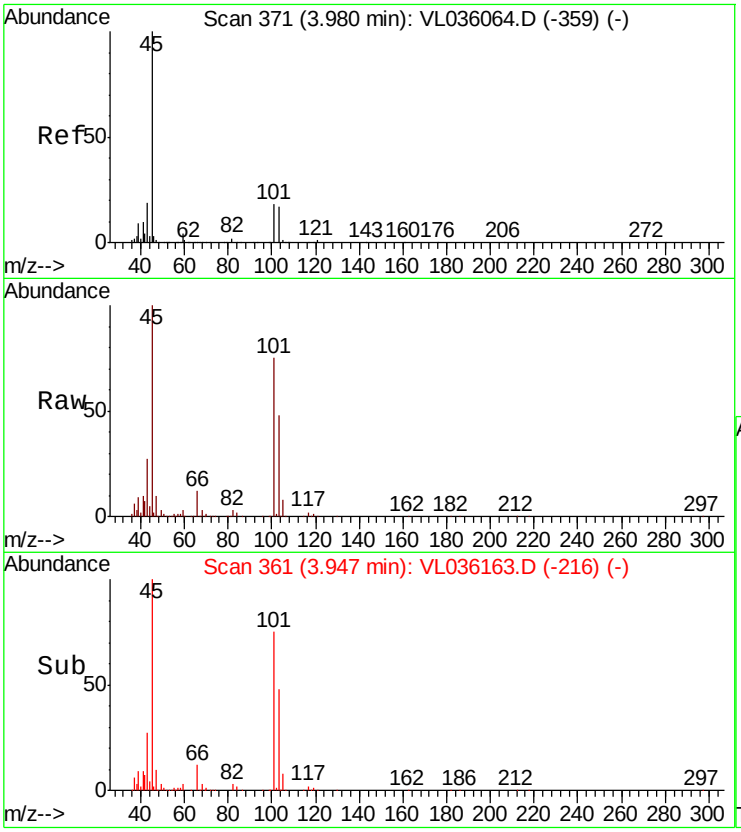


#18
1,1-Dichloroethene
Concen: 9.922 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 96 Resp: 471476

Ion	Ratio	Lower	Upper
96	100		
61	227.2	171.4	257.2
98	62.5	54.2	81.2



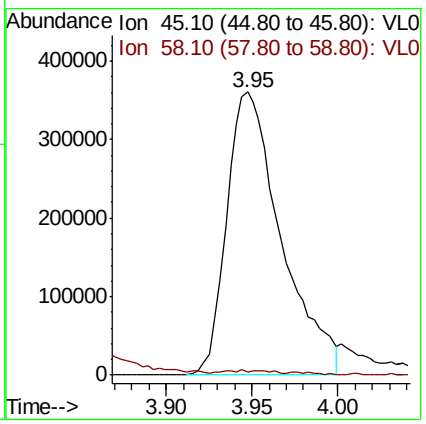


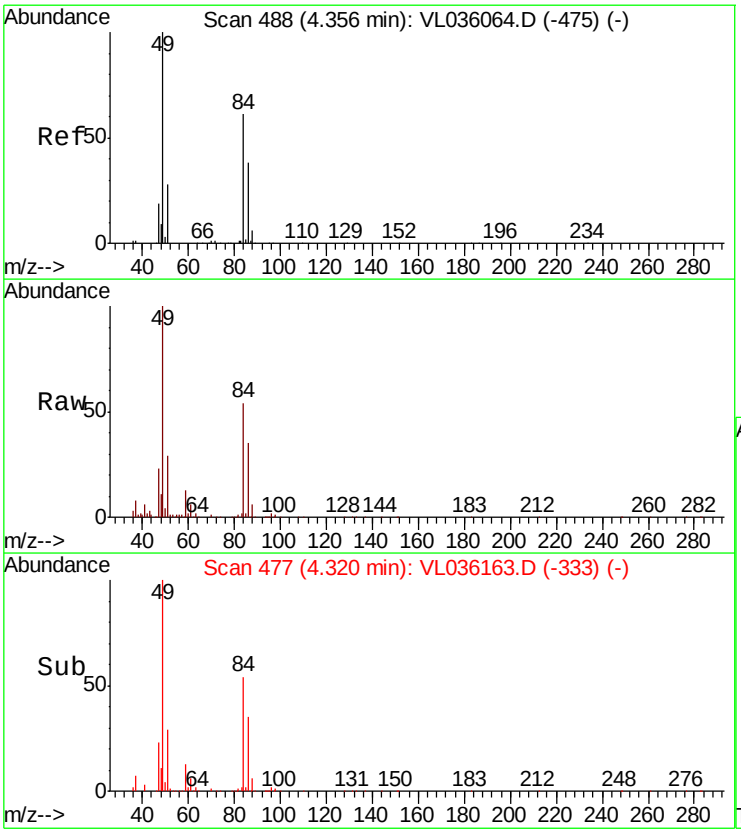
#19
Isopropyl Alcohol
Concen: 9.395 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.03 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 793826

Ion	Ratio	Lower	Upper
45	100		
58	1.8	0.0	0.0#

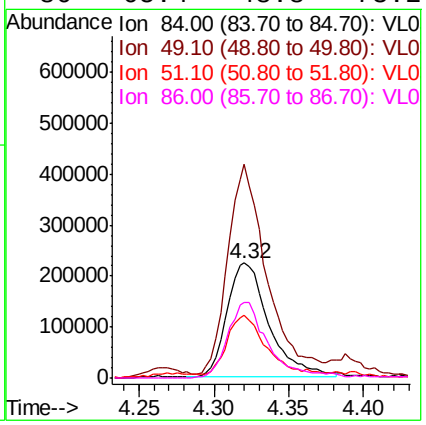


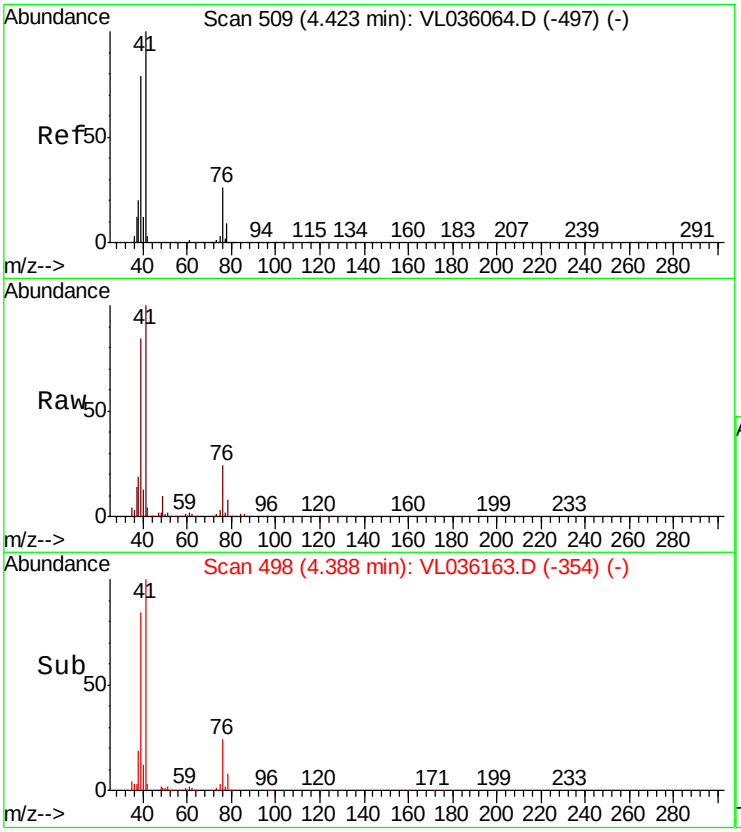


#20
Methylene Chloride
Concen: 7.795 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 84 Resp: 441547

Ion	Ratio	Lower	Upper
84	100		
49	181.8	133.0	199.4
51	51.7	38.9	58.3
86	65.4	48.8	73.2



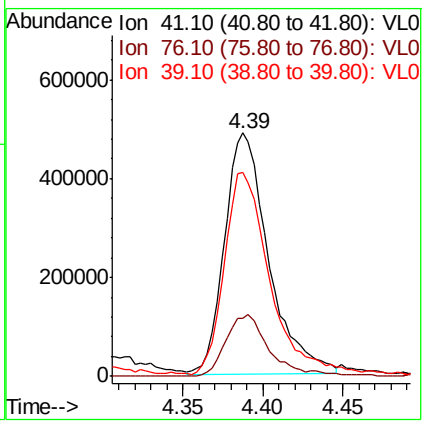


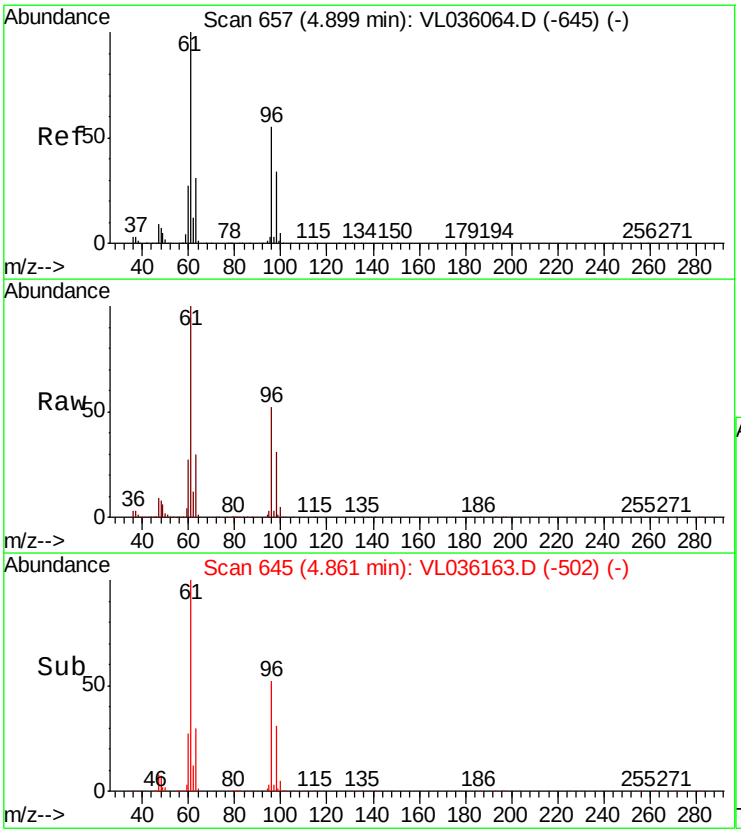
#21
Allvl Chloride
Concen: 9.991 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 918342

Ion	Ratio	Lower	Upper
41	100		
76	25.6	21.0	31.4
39	89.8	66.0	99.0

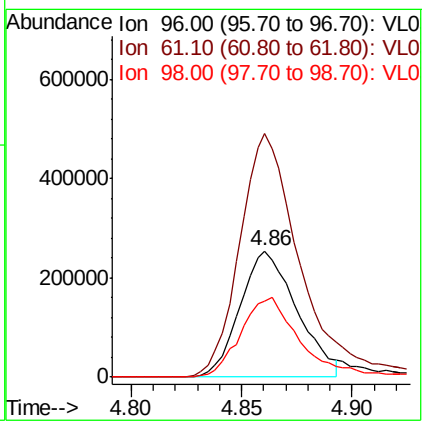


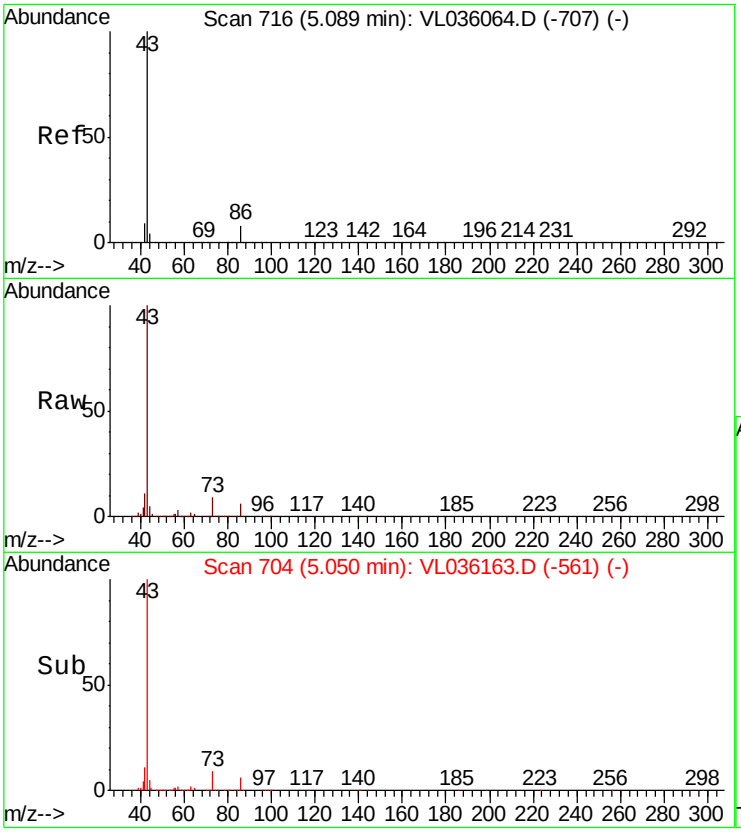


#22
trans-1,2-Dichloroethene
Concen: 9.534 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 96 Resp: 453579

Ion	Ratio	Lower	Upper
96	100		
61	192.1	145.7	218.5
98	59.8	49.2	73.8



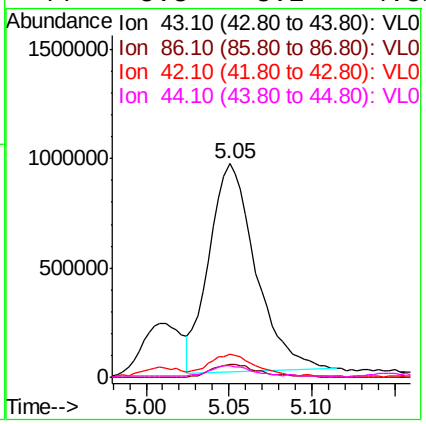


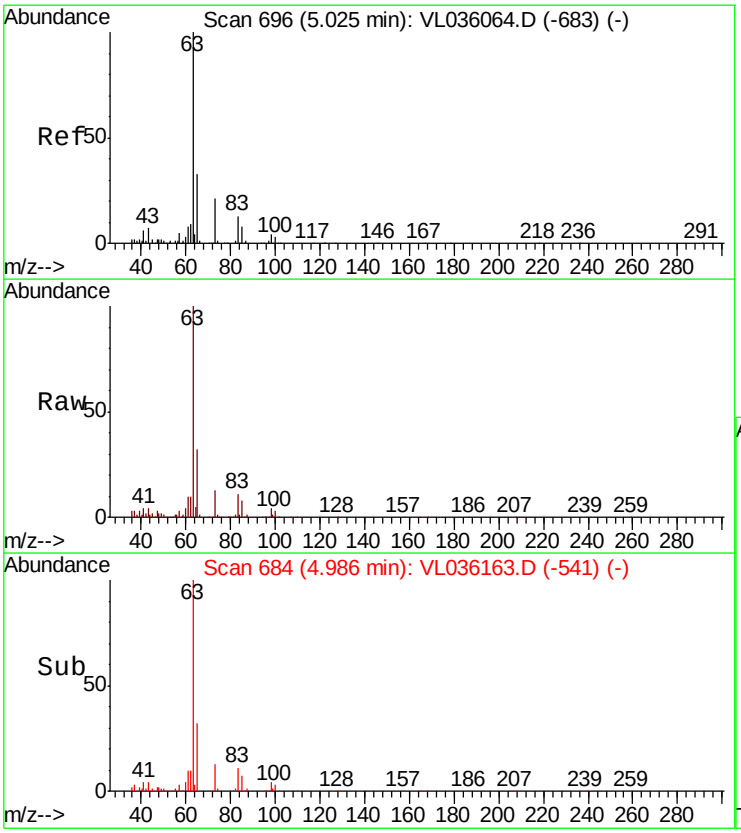
#23
Vinyl Acetate
Concen: 10.142 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1866630

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.0	7.4
42	11.0	7.8	11.6
44	5.3	3.2	4.8#

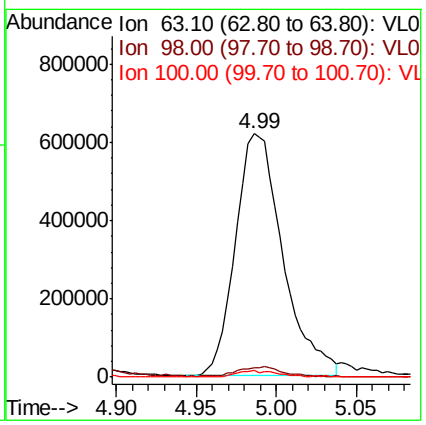


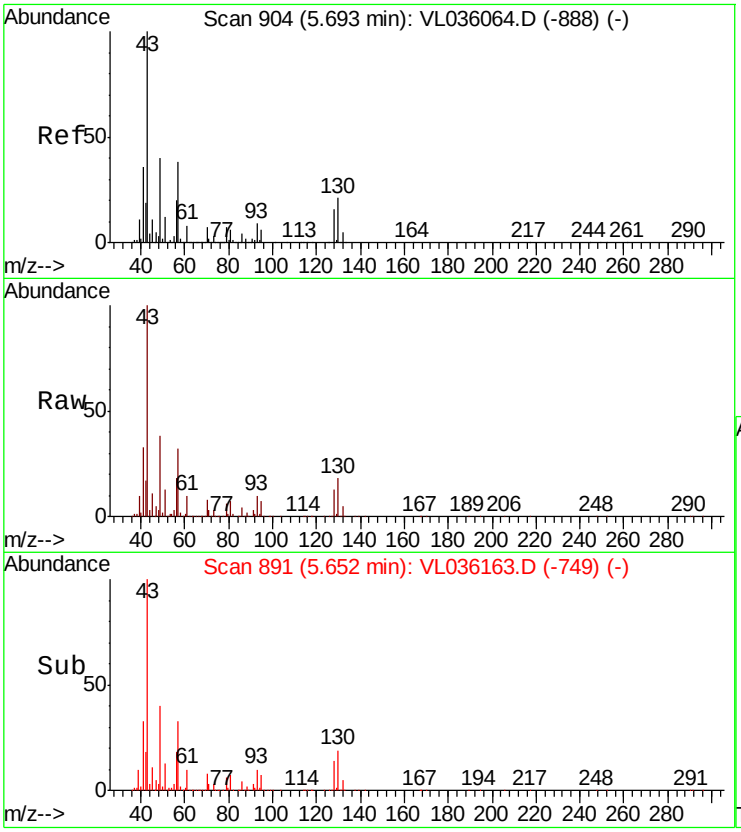


#24
1,1-Dichloroethane
Concen: 9.713 ppbv
RT: 4.99 min Scan# 684
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 63 Resp: 1257253

Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.2	6.6
100	3.0	1.5	4.4



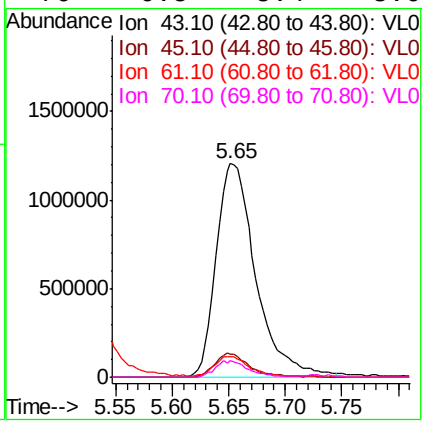


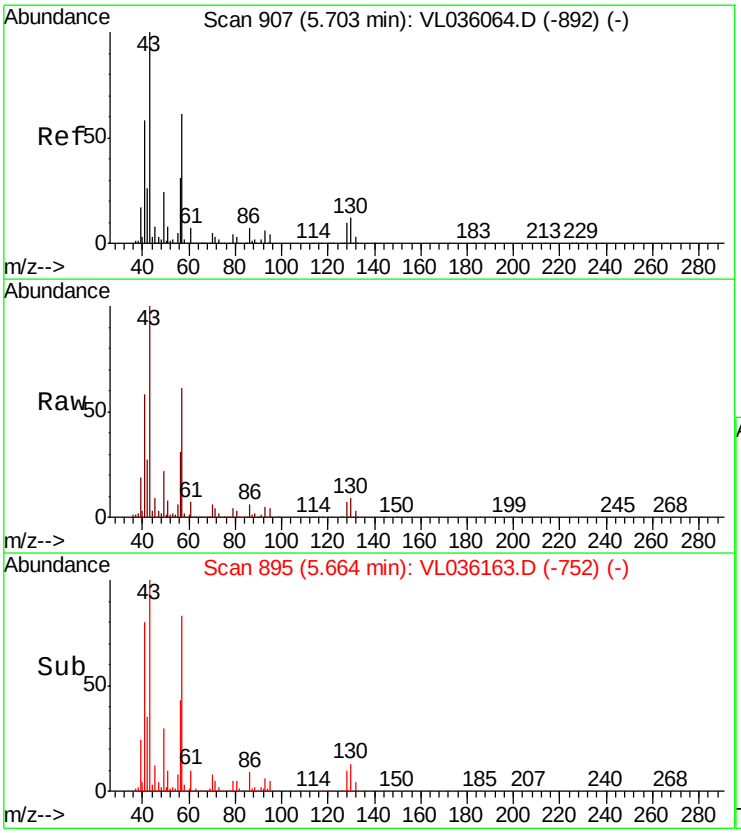
#25
Ethyl Acetate
Concen: 10.575 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2920447

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	8.9	7.4	11.2
70	6.5	5.4	8.0

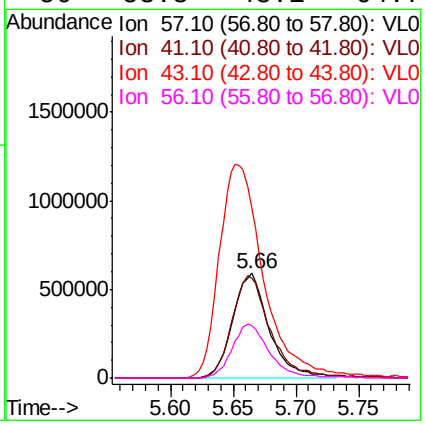


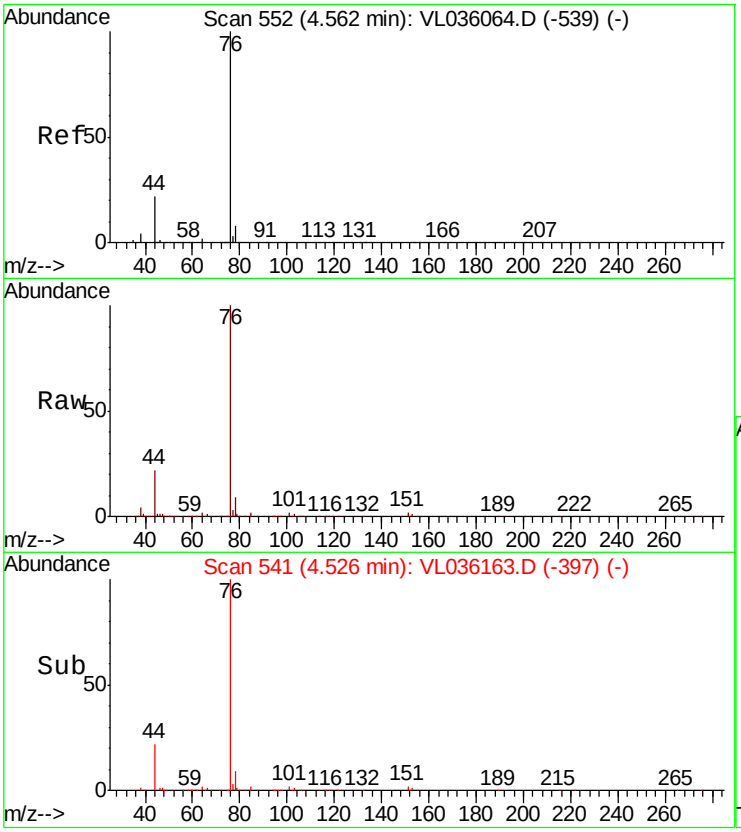


#26
Hexane
Concen: 9.611 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 57 Resp: 1194528

Ion	Ratio	Lower	Upper
57	100		
41	103.3	82.9	124.3
43	249.3	199.9	299.9
56	53.3	43.1	64.7



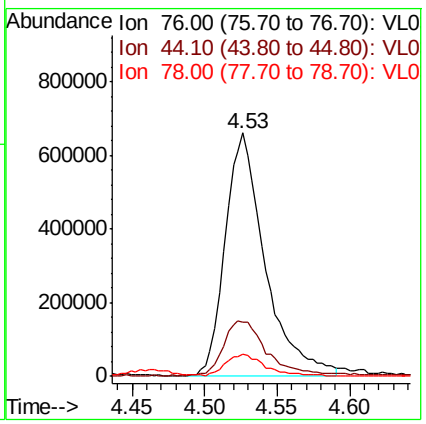


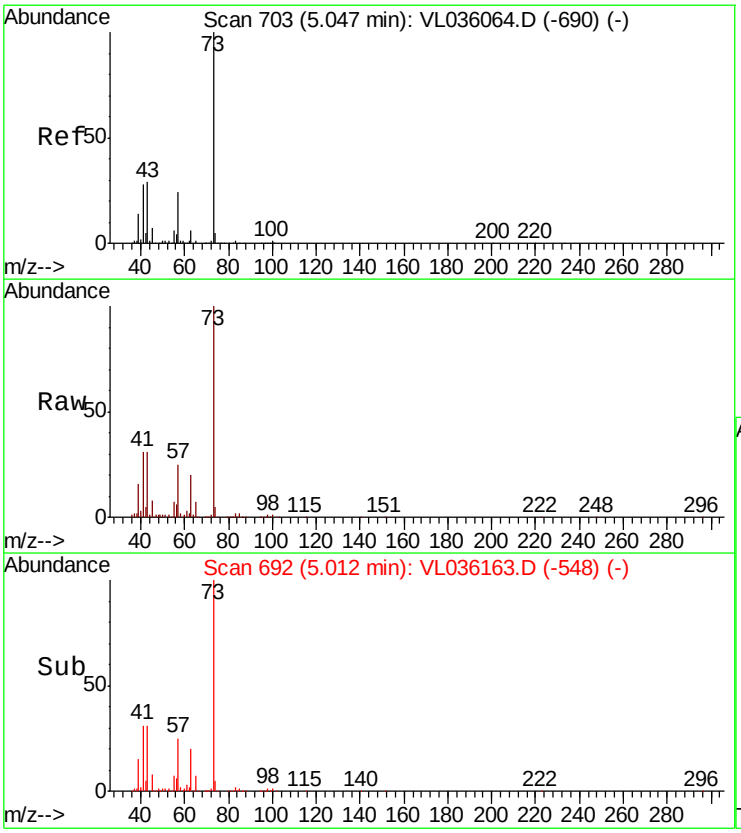
#27
Carbon Disulfide
Concen: 10.184 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1257999

Ion	Ratio	Lower	Upper
76	100		
44	25.3	17.9	26.9
78	9.4	7.8	11.8

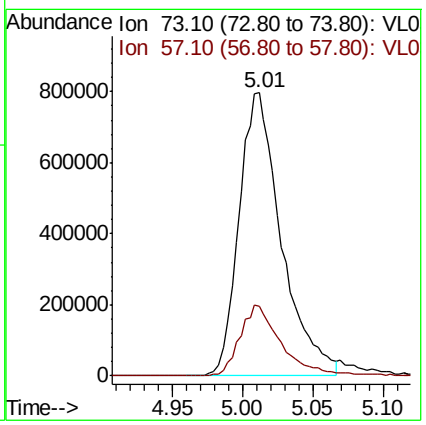


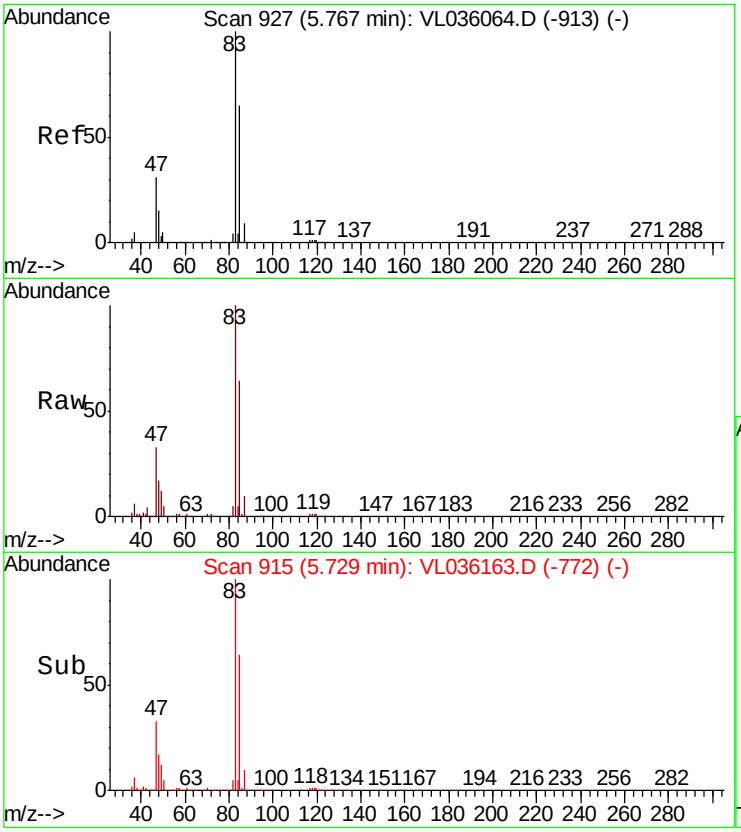


#28
Methyl tert-Butyl Ether
Concen: 9.474 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 73 Resp: 1674152

Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.2	28.8



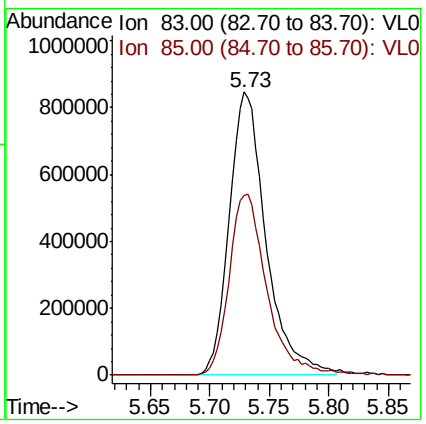


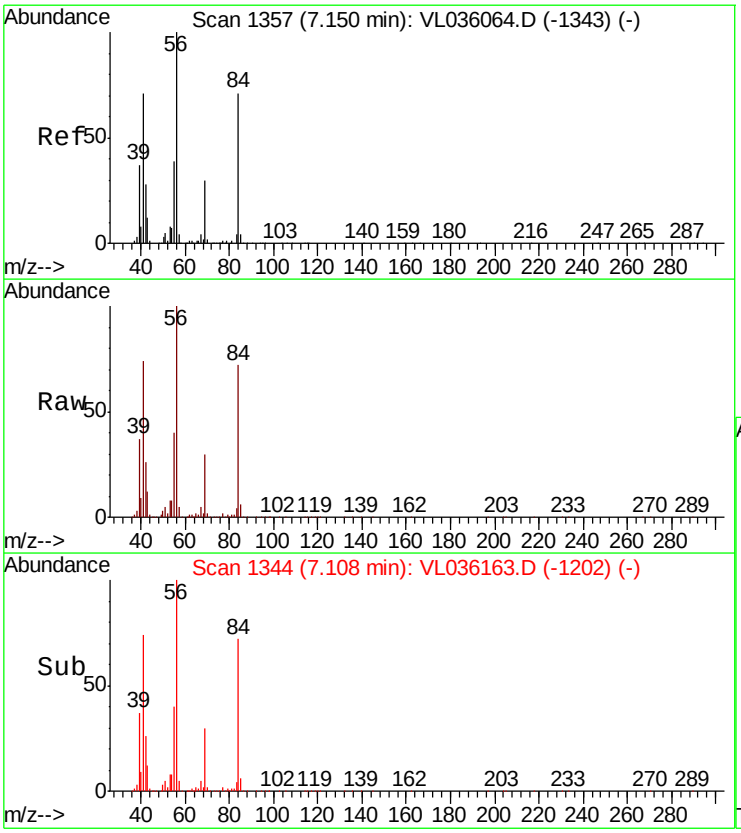
#29
Chloroform
Concen: 11.139 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1818119

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6

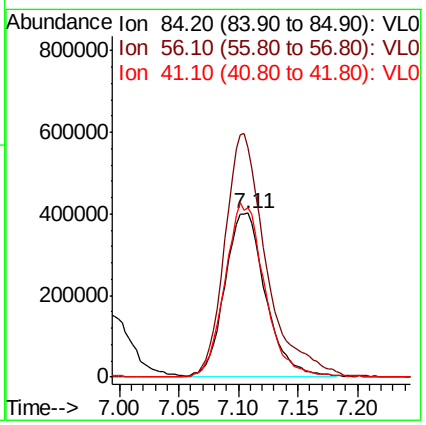


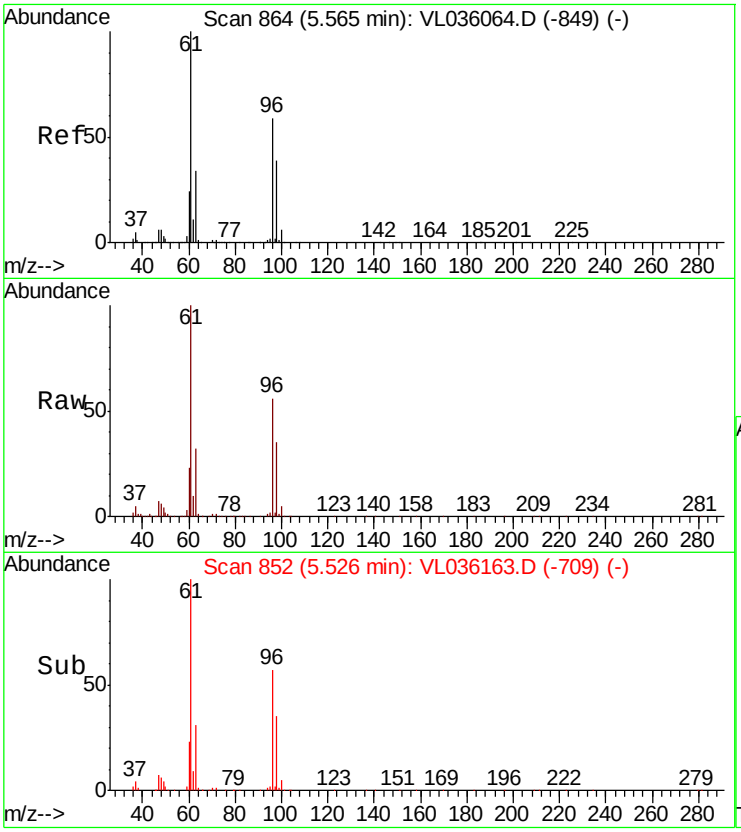


#30
Cyclohexane
Concen: 10.477 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 84 Resp: 956545

Ion	Ratio	Lower	Upper
84	100		
56	151.8	128.0	192.0
41	103.5	81.3	121.9



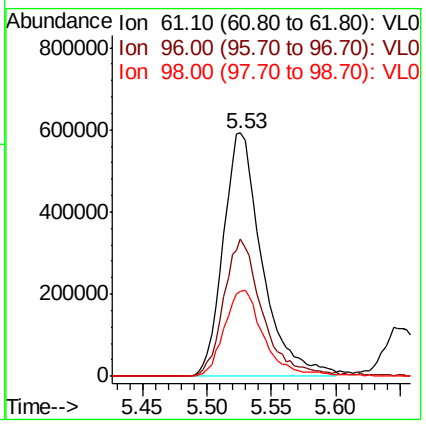


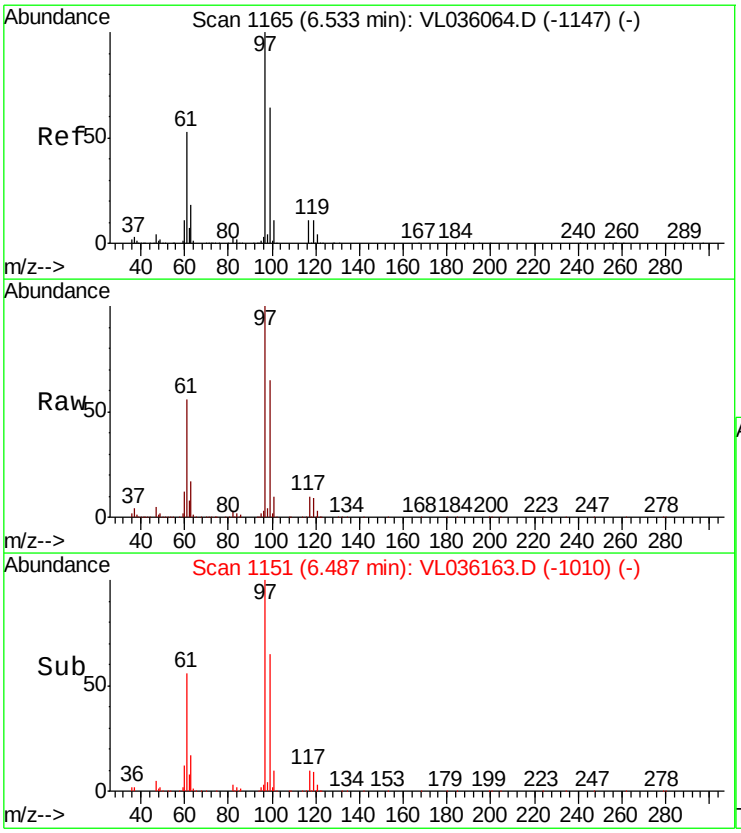
#31
cis-1,2-Dichloroethene
Concen: 10.981 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1240640

Ion	Ratio	Lower	Upper
61	100		
96	56.2	47.3	70.9
98	34.8	31.4	47.0

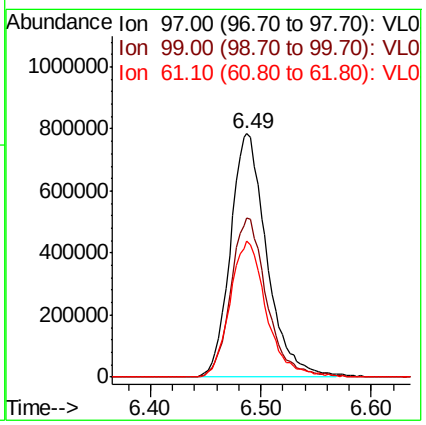


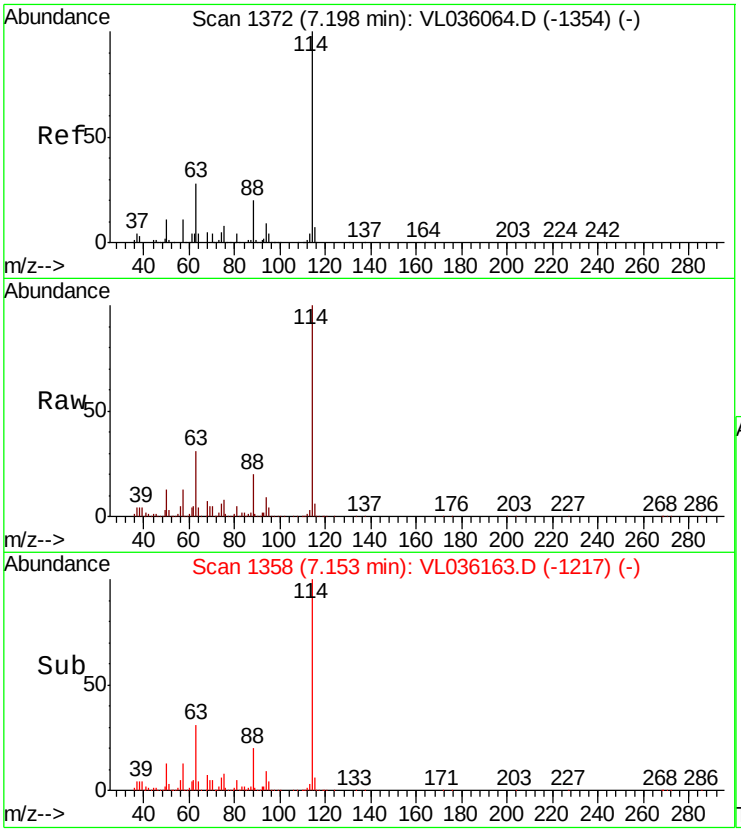


#32
1,1,1-Trichloroethane
Concen: 10.646 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 97 Resp: 1792922

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.4	78.6
61	56.7	43.4	65.0



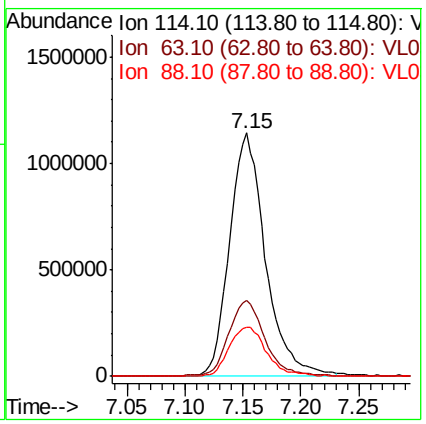


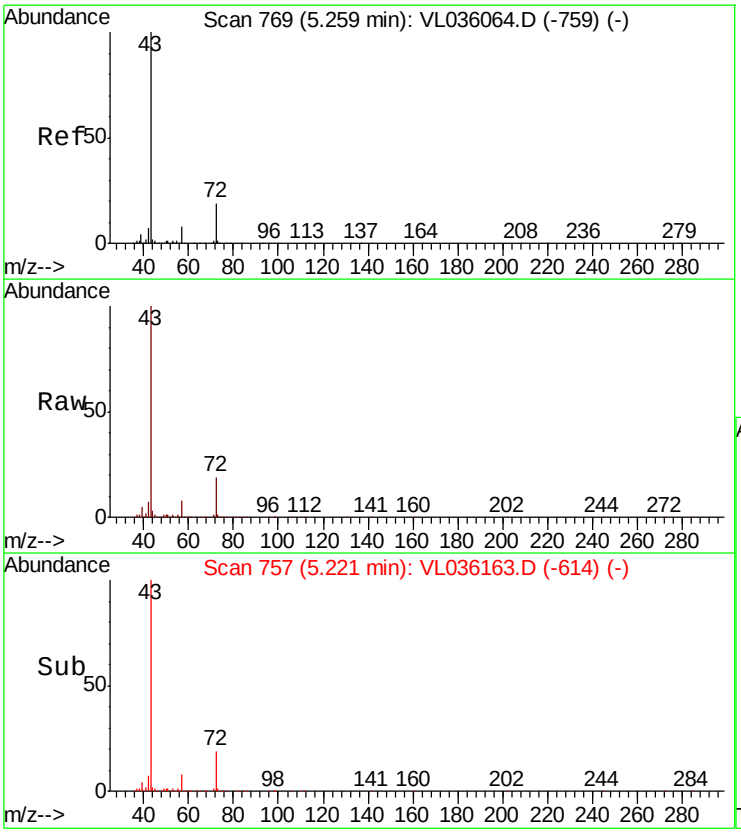
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2442147

Ion	Ratio	Lower	Upper
114	100		
63	32.3	23.6	35.4
88	21.5	15.8	23.6

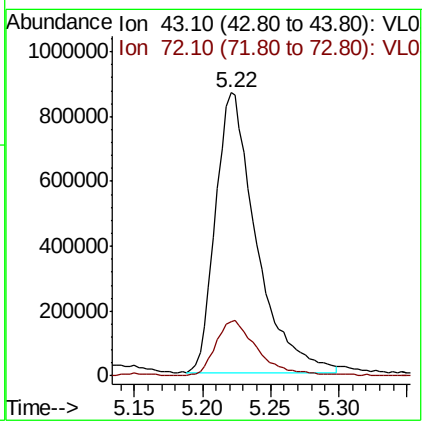


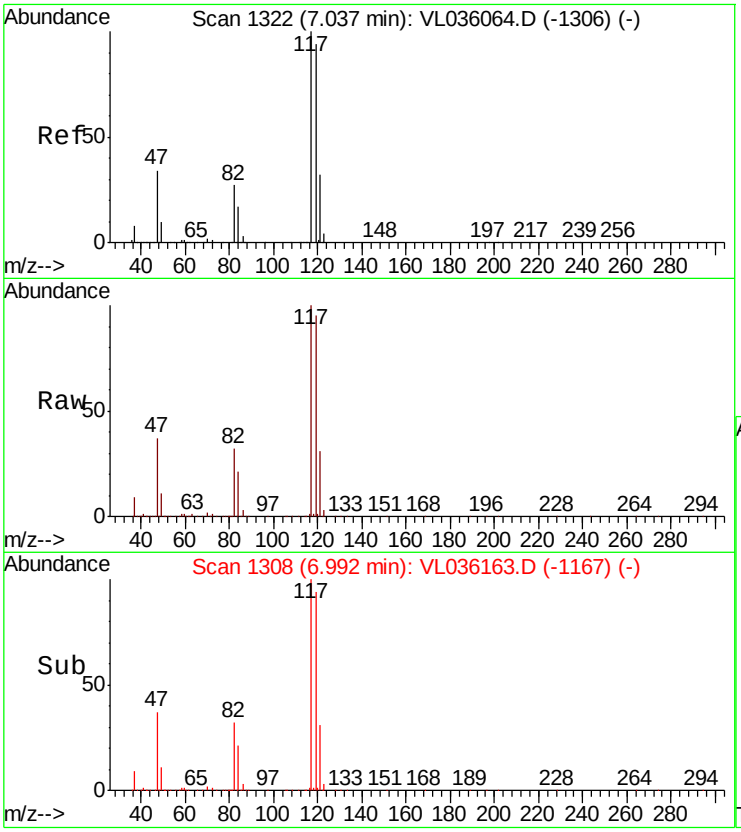


#34
2-Butanone
Concen: 11.165 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 43 Resp: 1808650

Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.5	24.7



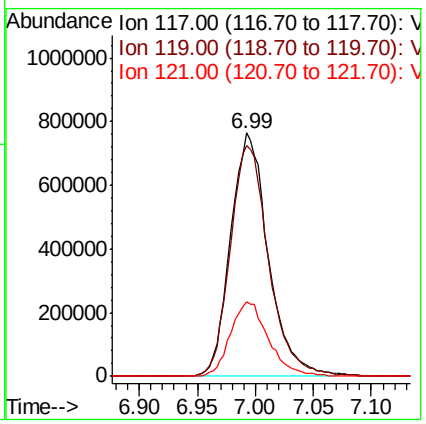


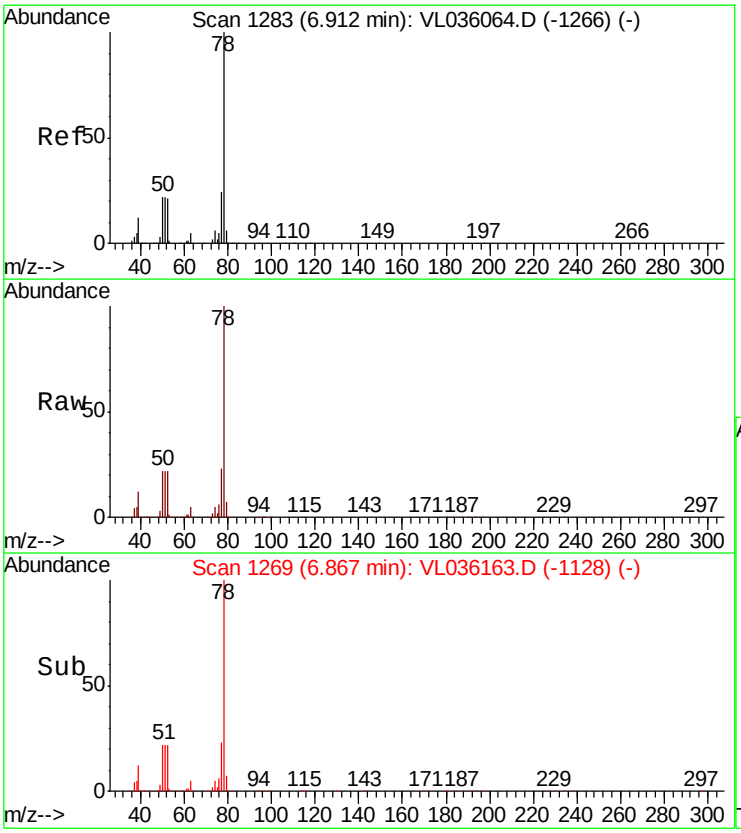
#35
Carbon Tetrachloride
Concen: 12.084 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1720898

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.1	112.7
121	30.6	25.6	38.4

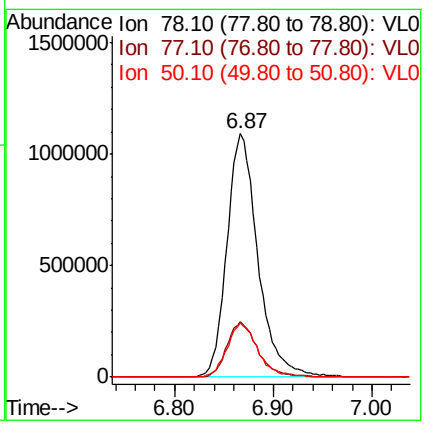


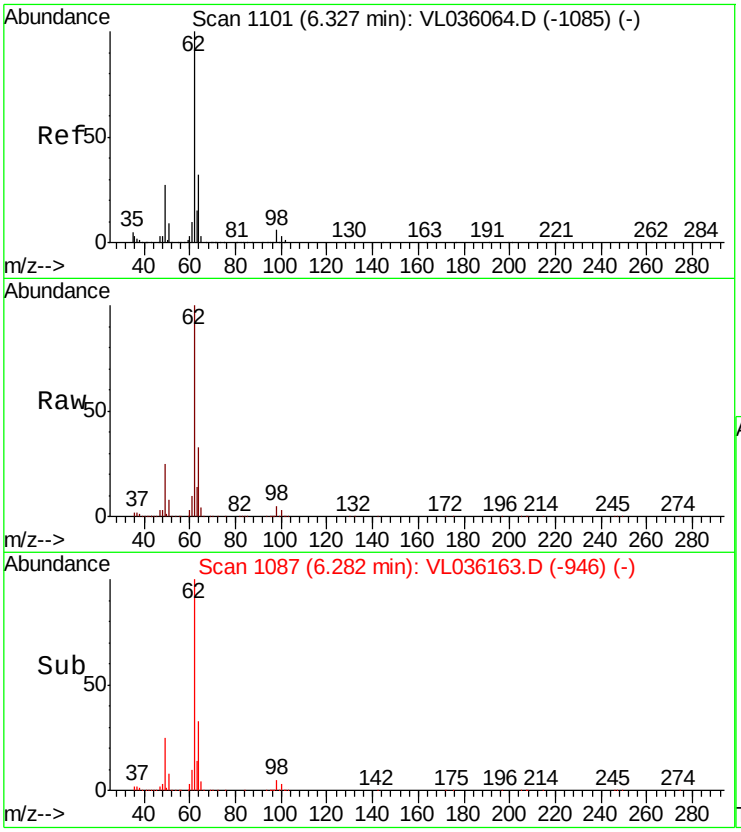


#36
Benzene
Concen: 11.572 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 78 Resp: 2395098

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.2
50	22.0	17.8	26.8



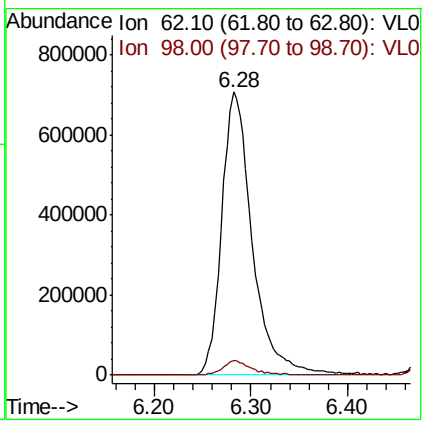


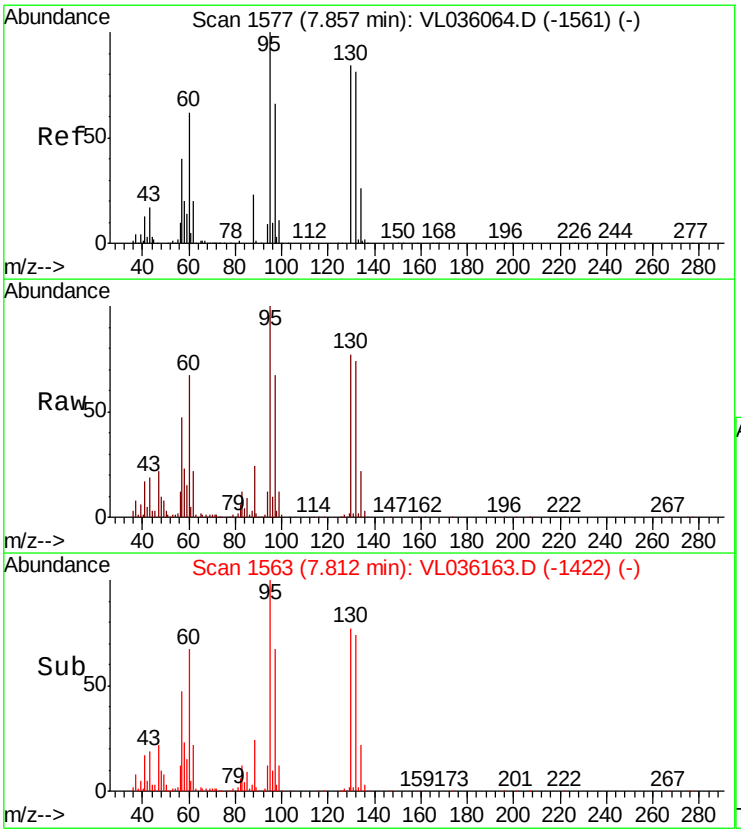
#37
1,2-Dichloroethane
Concen: 12.911 ppbv
RT: 6.28 min Scan# 1087
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1548394

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.6	7.0

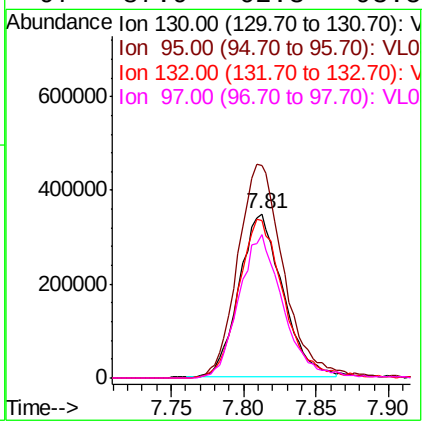


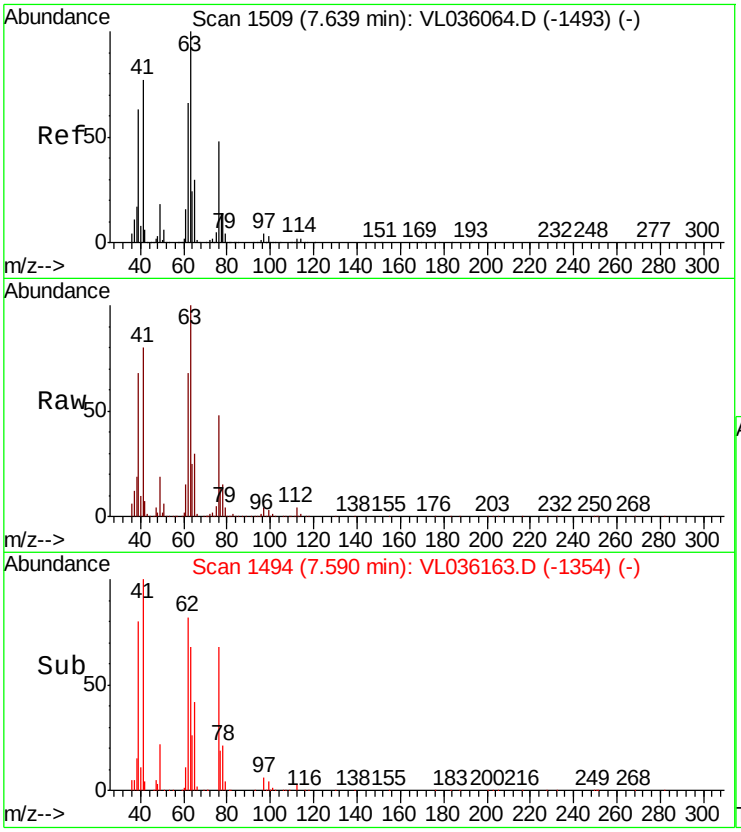


#38
Trichloroethene
Concen: 9.407 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:130 Resp: 727798

Ion	Ratio	Lower	Upper
130	100		
95	130.4	95.2	142.8
132	96.4	76.9	115.3
97	87.9	62.3	93.5



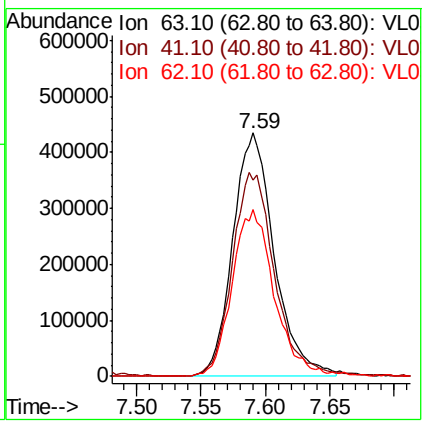


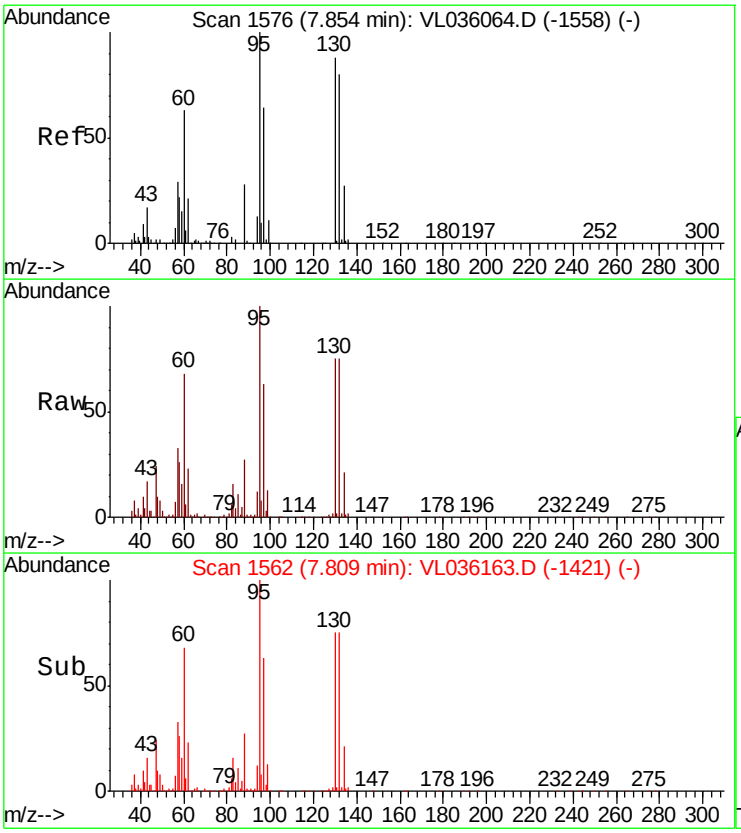
#39
1,2-Dichloropropane
Concen: 11.841 ppbv
RT: 7.59 min Scan# 1494
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 967852

Ion	Ratio	Lower	Upper
63	100		
41	80.4	61.9	92.9
62	68.3	52.5	78.7

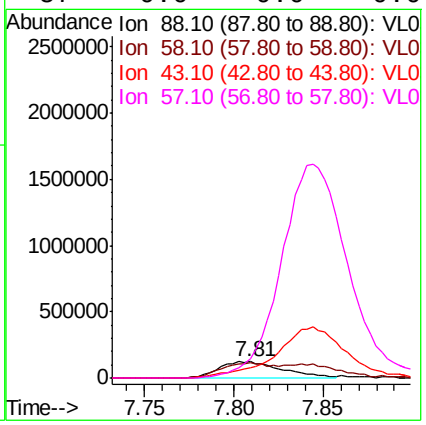


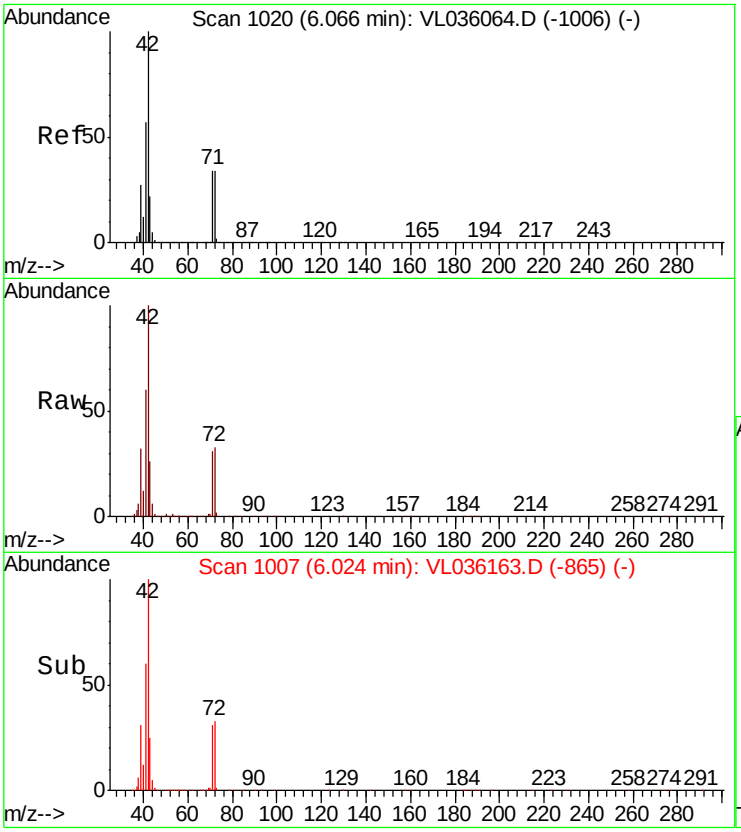


#40
1,4-Dioxane
Concen: 11.784 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 88 Resp: 302937

Ion	Ratio	Lower	Upper
88	100		
58	154.3	122.6	184.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



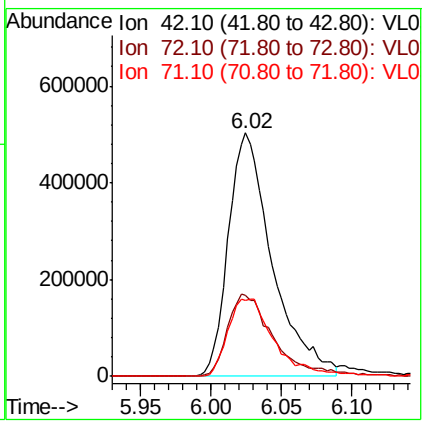


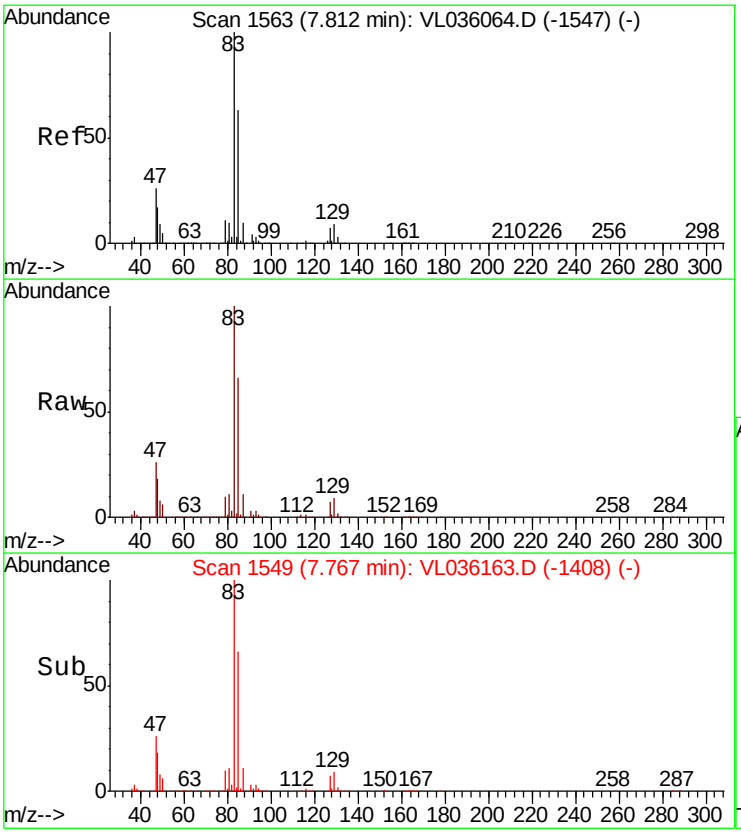
#41
Tetrahydrofuran
Concen: 11.366 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1093866

Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.3	42.5
71	34.3	27.3	40.9

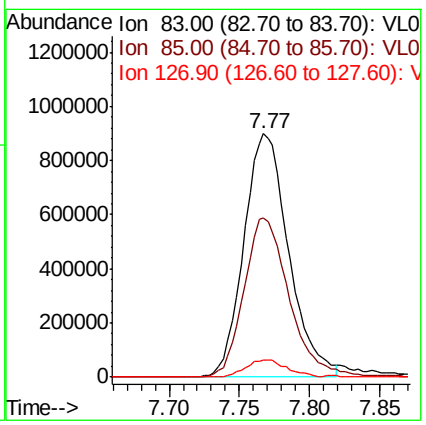


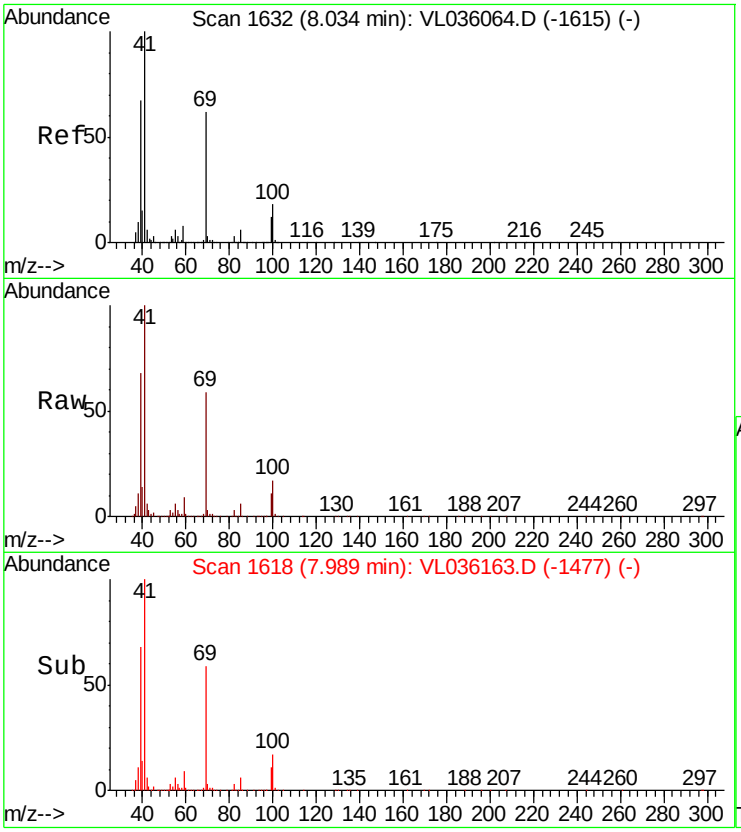


#42
Bromodichloromethane
Concen: 12.519 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 83 Resp: 2000627

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.2
127	6.8	5.5	8.3



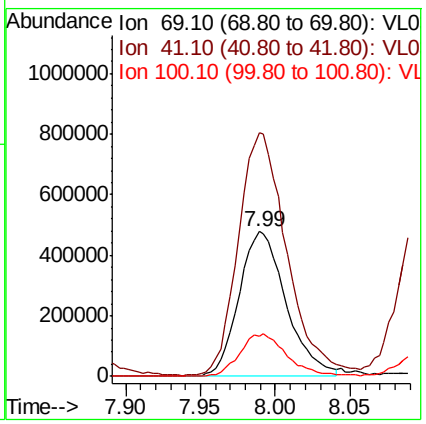


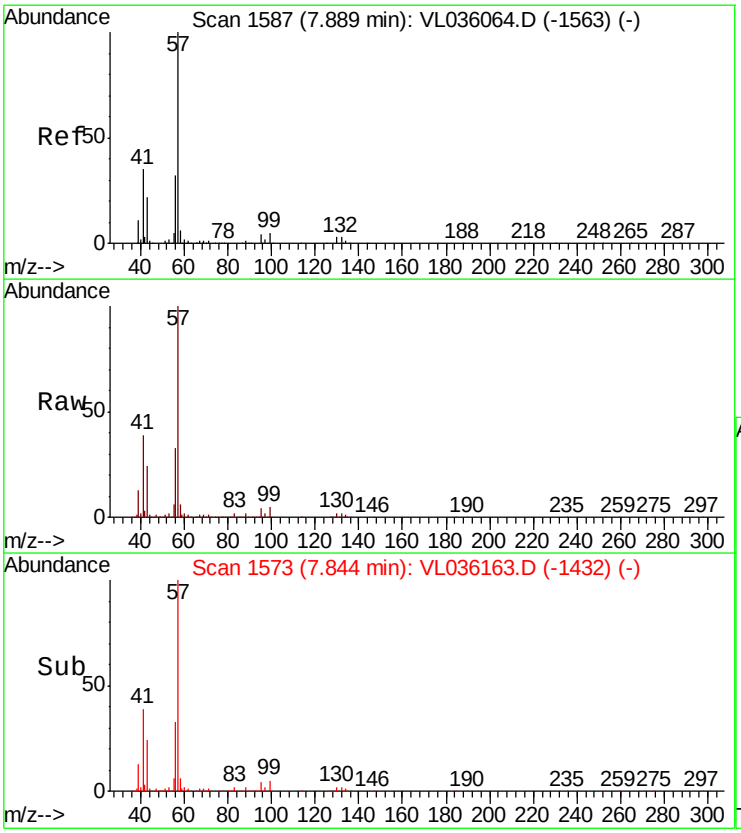
#43
Methyl Methacrylate
Concen: 11.792 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1047037

Ion	Ratio	Lower	Upper
69	100		
41	175.1	133.0	199.6
100	29.6	25.4	38.0

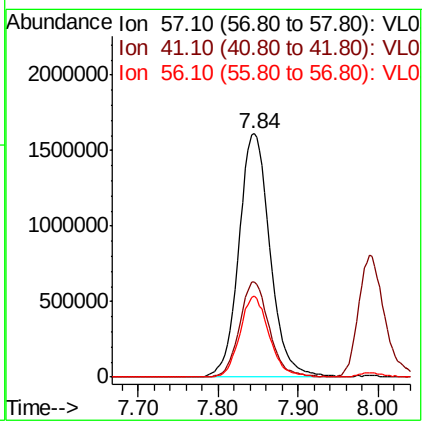


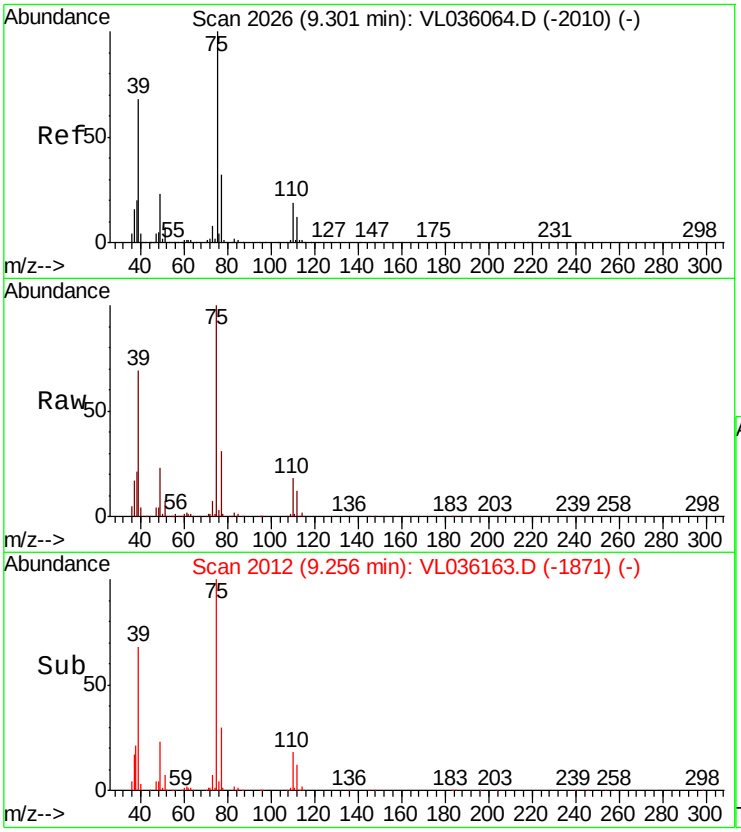


#44
2,2,4-Trimethylpentane
Concen: 11.303 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 57 Resp: 4236569

Ion	Ratio	Lower	Upper
57	100		
41	37.3	28.9	43.3
56	31.4	25.3	37.9



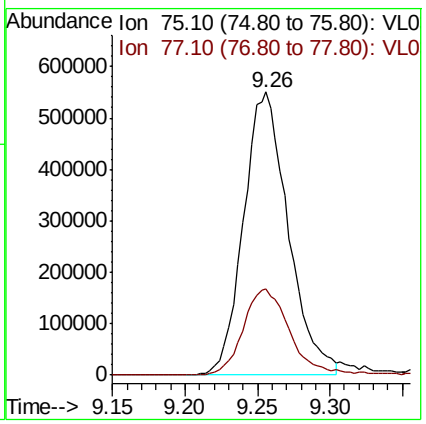


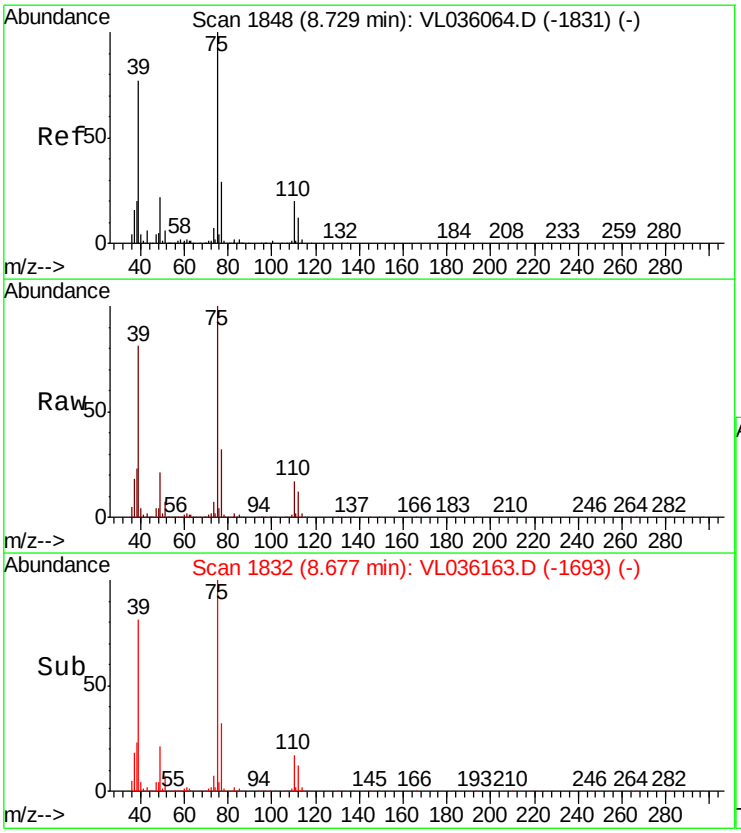
#45
t-1,3-Dichloropropene
Concen: 12.926 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1179123

Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0

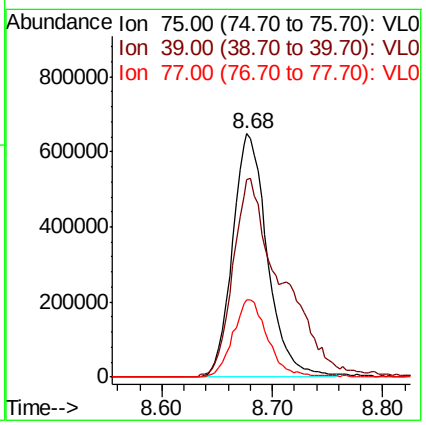


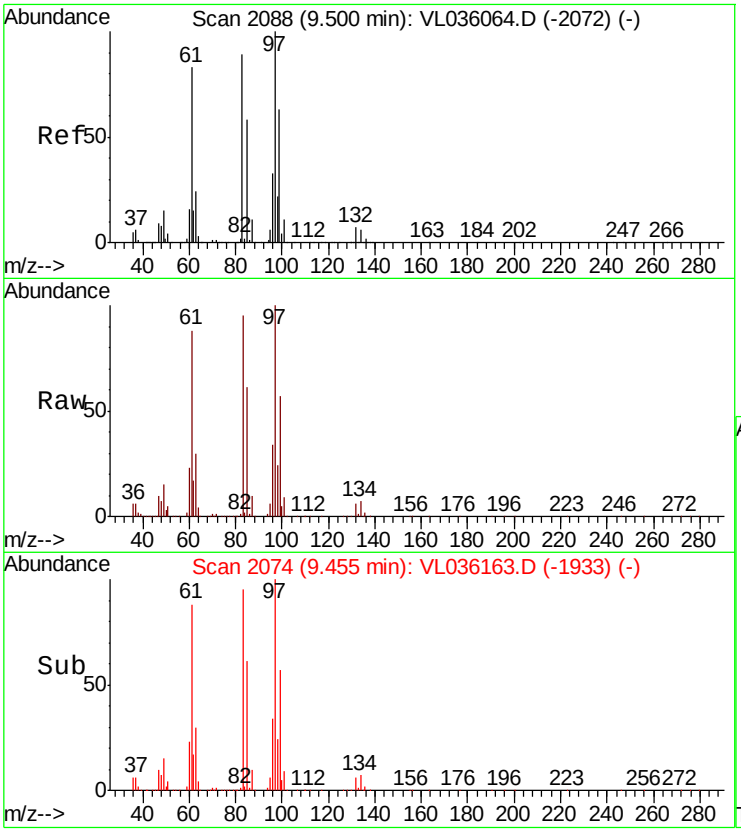


#46
cis-1,3-Dichloropropene
Concen: 12.380 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 75 Resp: 1415408

Ion	Ratio	Lower	Upper
75	100		
39	80.9	61.6	92.4
77	31.8	23.0	34.6



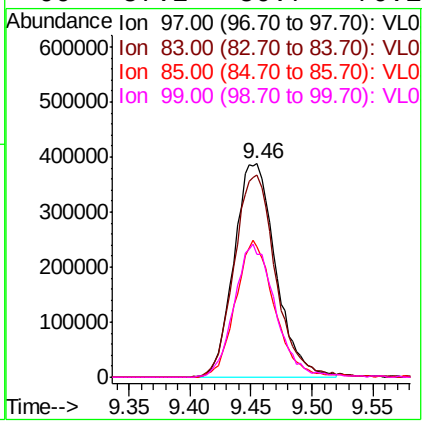


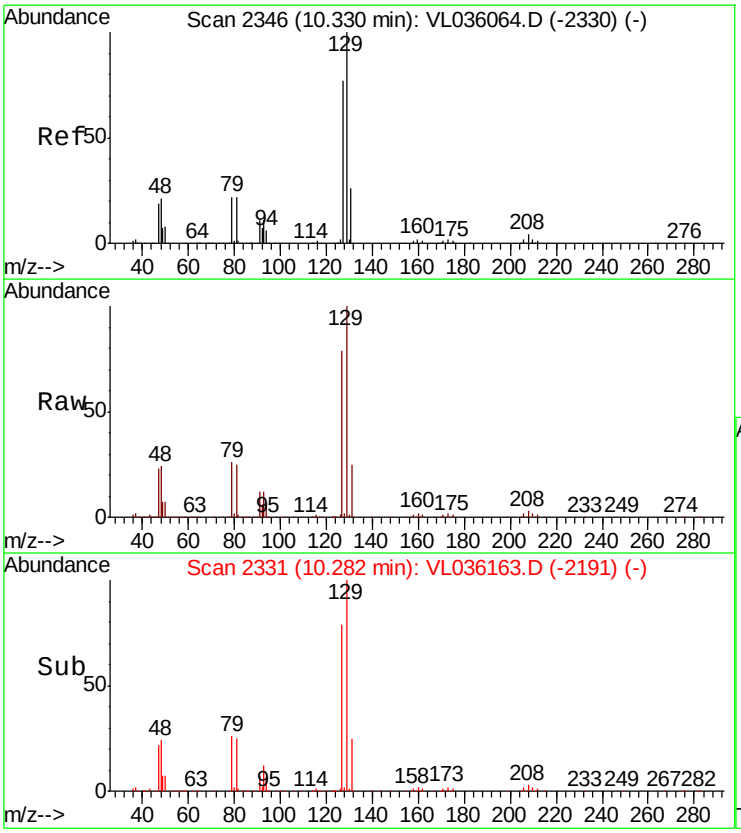
#47
1,1,2-Trichloroethane
Concen: 11.648 ppbv
RT: 9.46 min Scan# 2074
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 915934

Ion	Ratio	Lower	Upper
97	100		
83	94.8	71.4	107.2
85	60.7	46.6	70.0
99	57.2	50.7	76.1

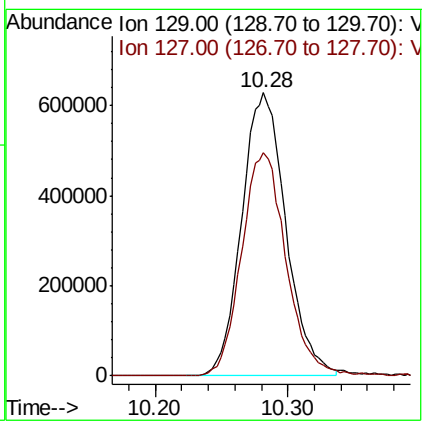


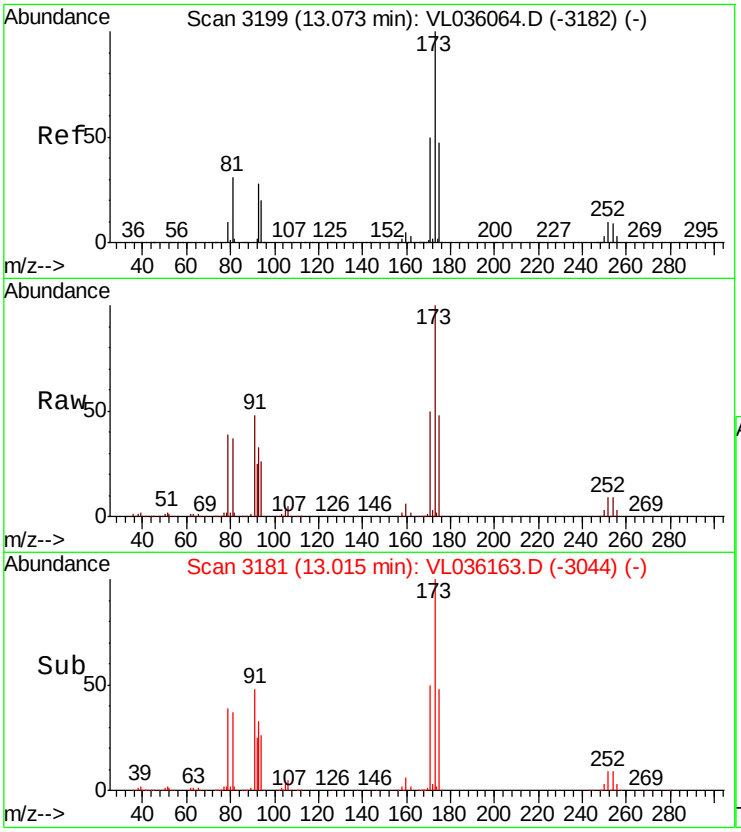


#48
Dibromochloromethane
Concen: 12.246 ppbv
RT: 10.28 min Scan# 2331
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:129 Resp: 1454118

Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.0	117.0



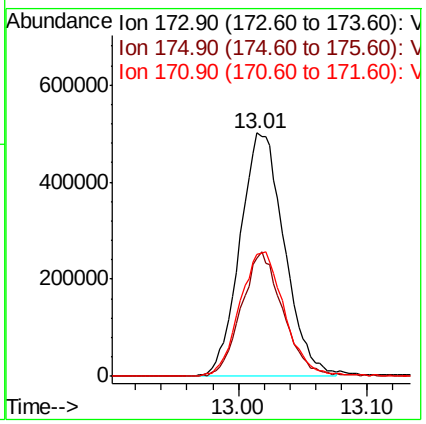


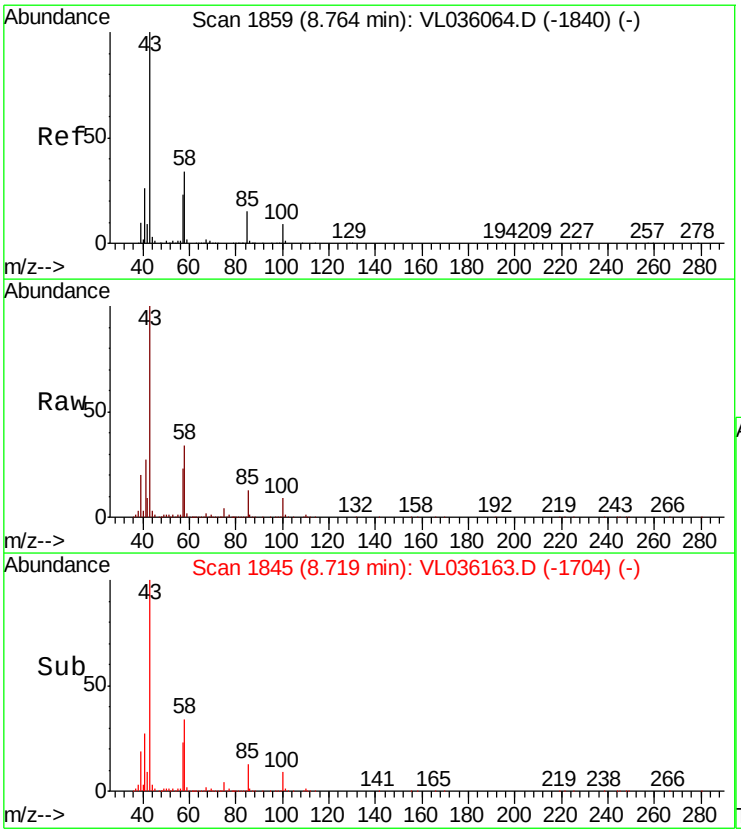
#49
Bromoform
Concen: 12.821 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1198270

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.8	59.6
171	51.8	42.5	63.7

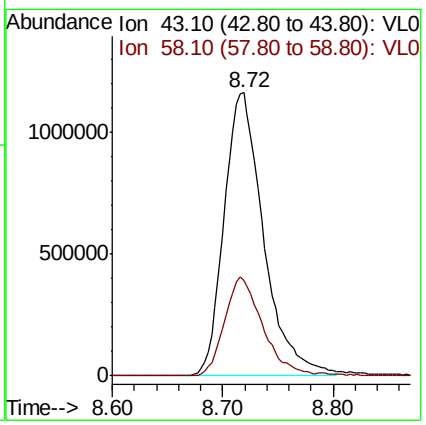


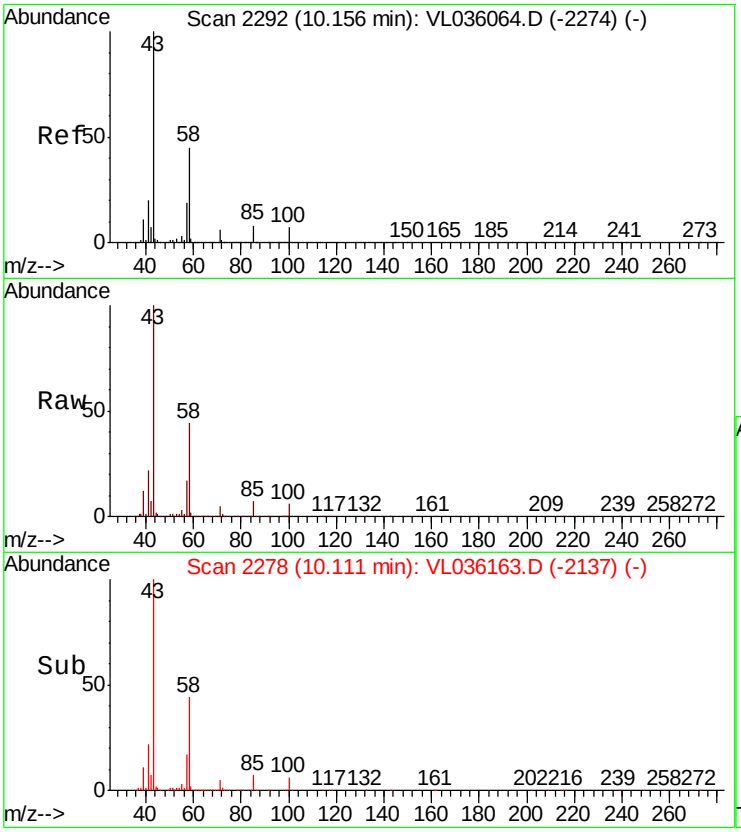


#50
4-Methyl-2-Pentanone
Concen: 11.911 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 43 Resp: 2877503

Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.4	41.2



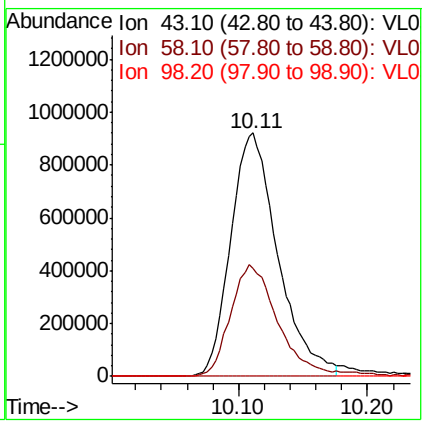


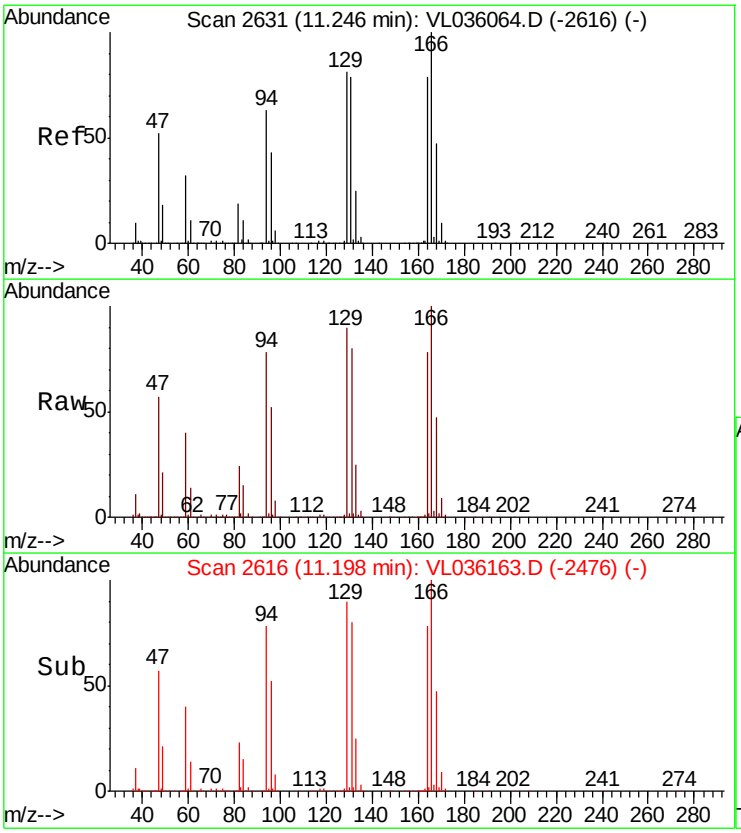
#51
2-Hexanone
Concen: 12.420 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2345407

Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.7	58.1
98	0.1	0.1	0.1#

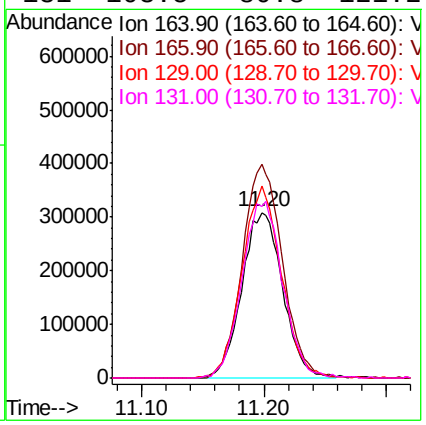


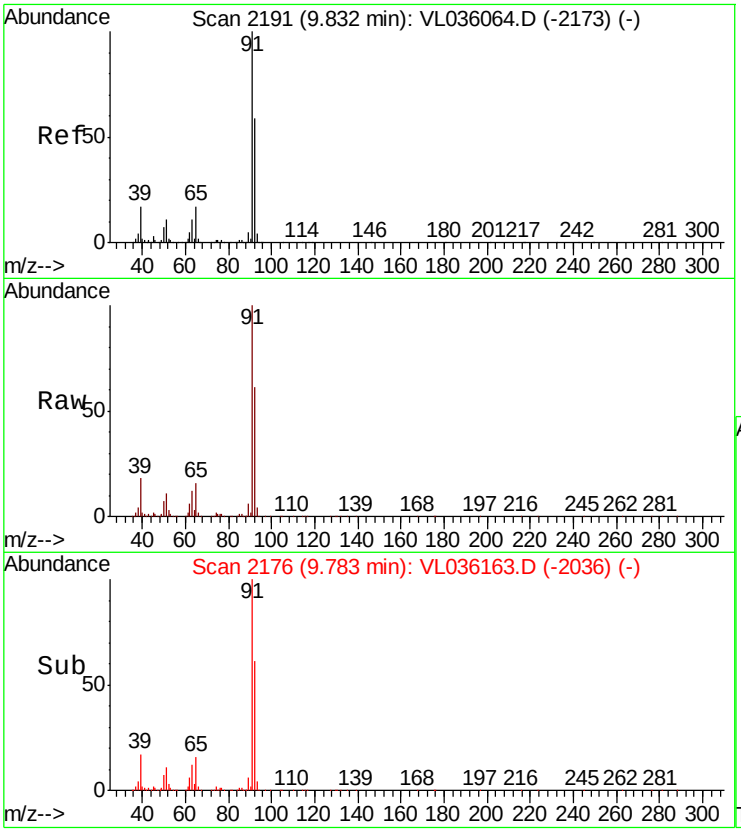


#52
Tetrachloroethene
Concen: 9.484 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:164 Resp: 710589

Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.9	152.9
129	115.8	82.1	123.1
131	103.5	80.8	121.2



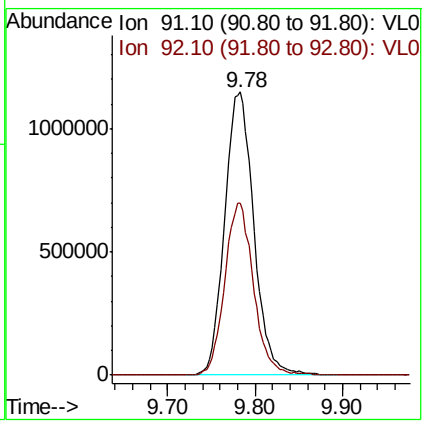


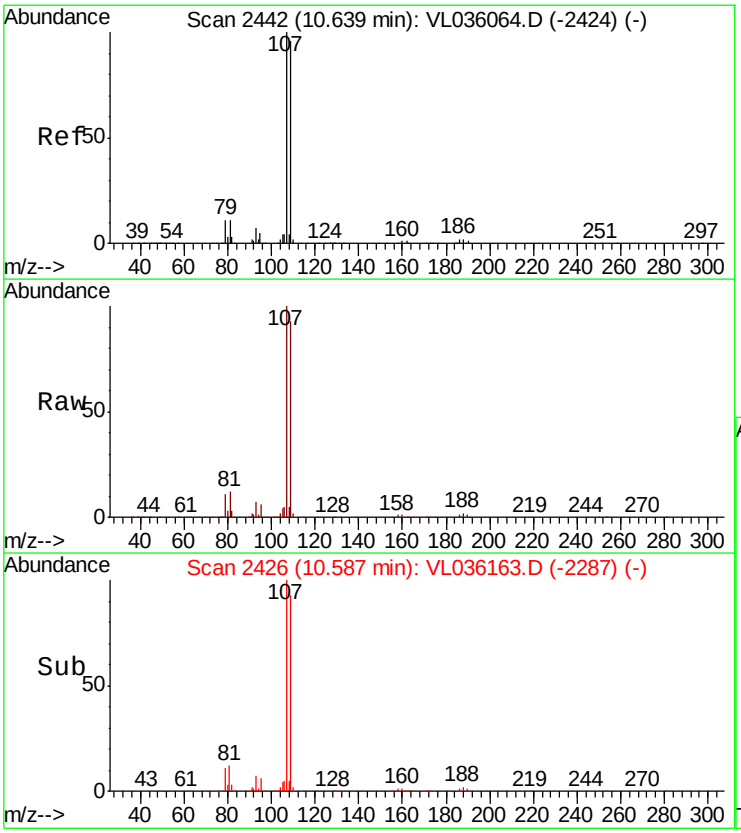
#53
Toluene
Concen: 11.458 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2662788

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.2

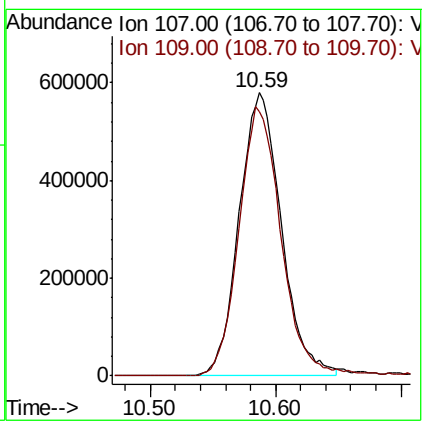


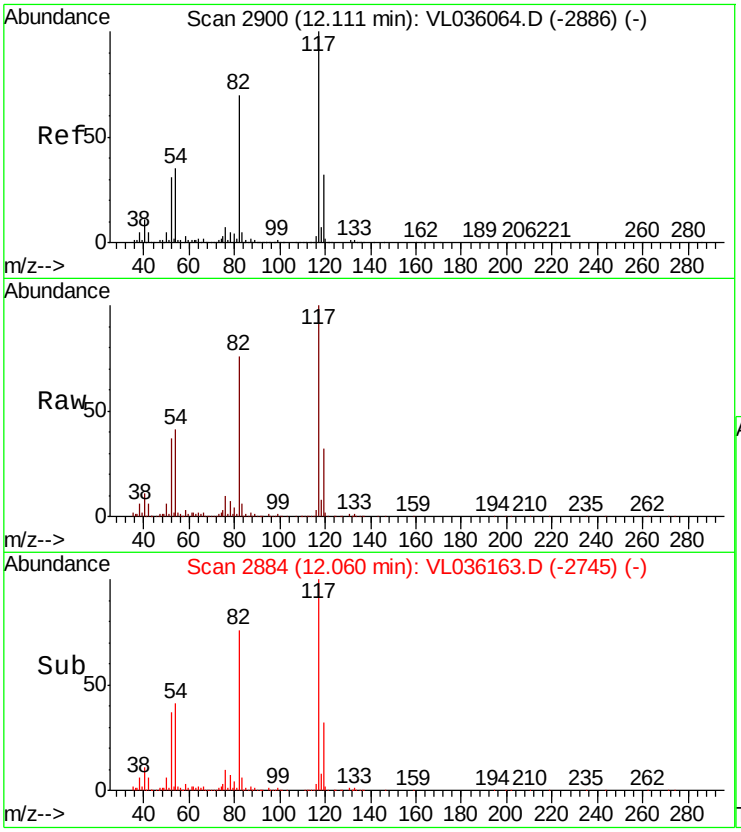


#54
1,2-Dibromoethane
Concen: 11.511 ppbv
RT: 10.59 min Scan# 2426
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:107 Resp: 1356797

Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.6	115.0



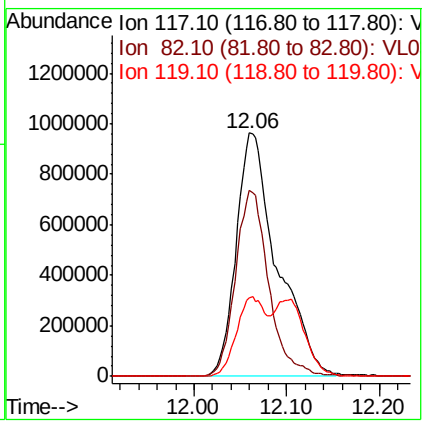


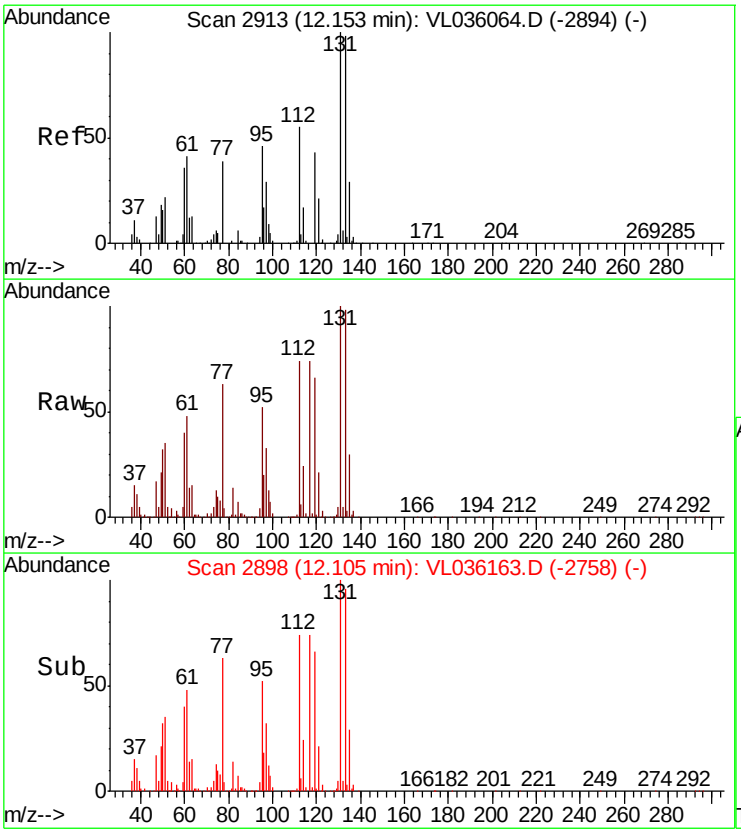
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2962195

Ion	Ratio	Lower	Upper
117	100		
82	61.8	0.0	0.0#
119	22.5	0.0	0.0#

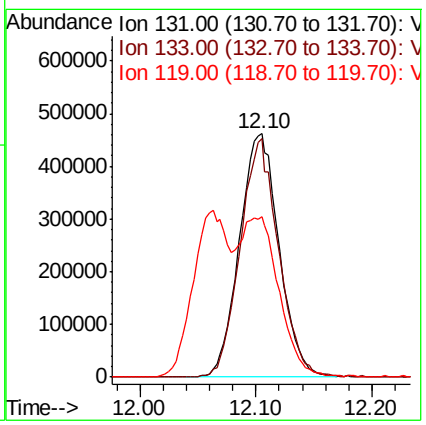


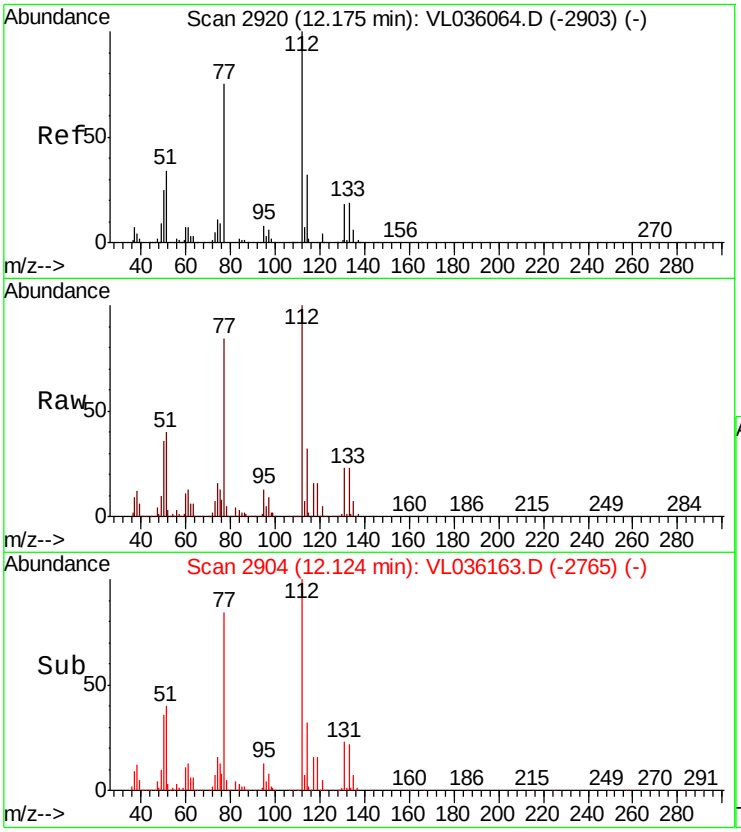


#56
1,1,1,2-Tetrachloroethane
Concen: 8.910 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:131 Resp: 1094412

Ion	Ratio	Lower	Upper
131	100		
133	95.0	77.7	116.5
119	59.0	51.6	77.4



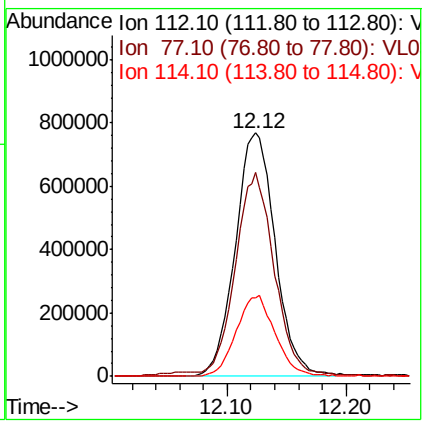


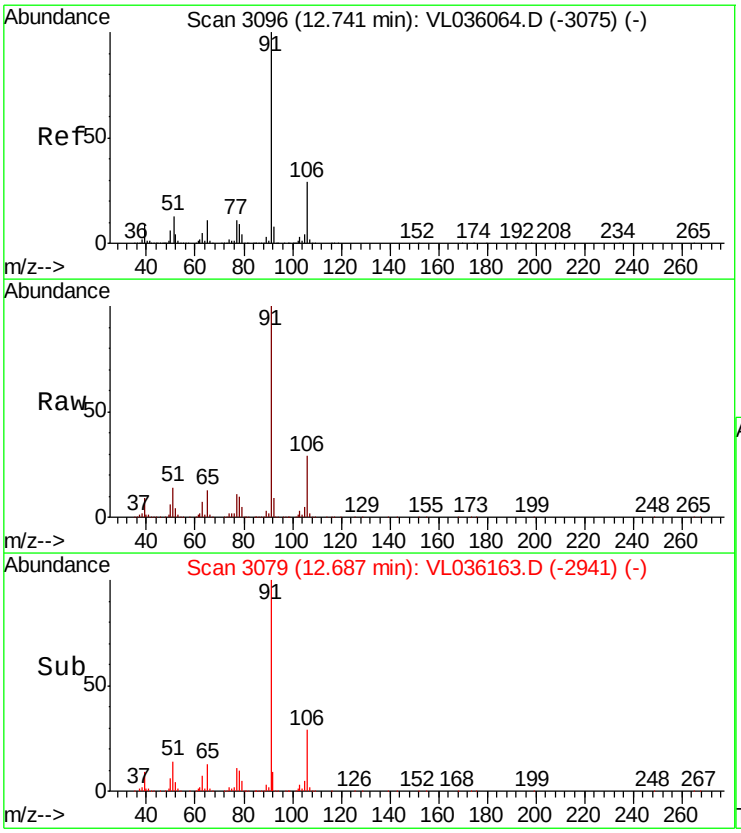
#57
Chlorobenzene
Concen: 8.549 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1777901

Ion	Ratio	Lower	Upper
112	100		
77	82.9	60.5	90.7
114	32.2	29.2	35.6

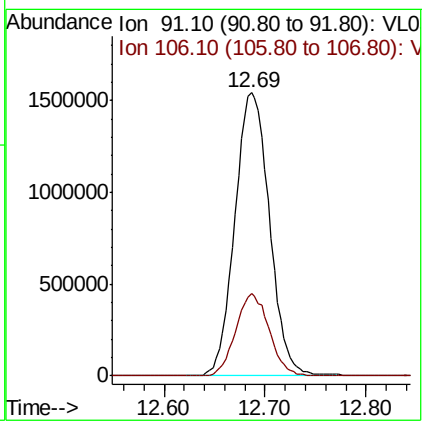


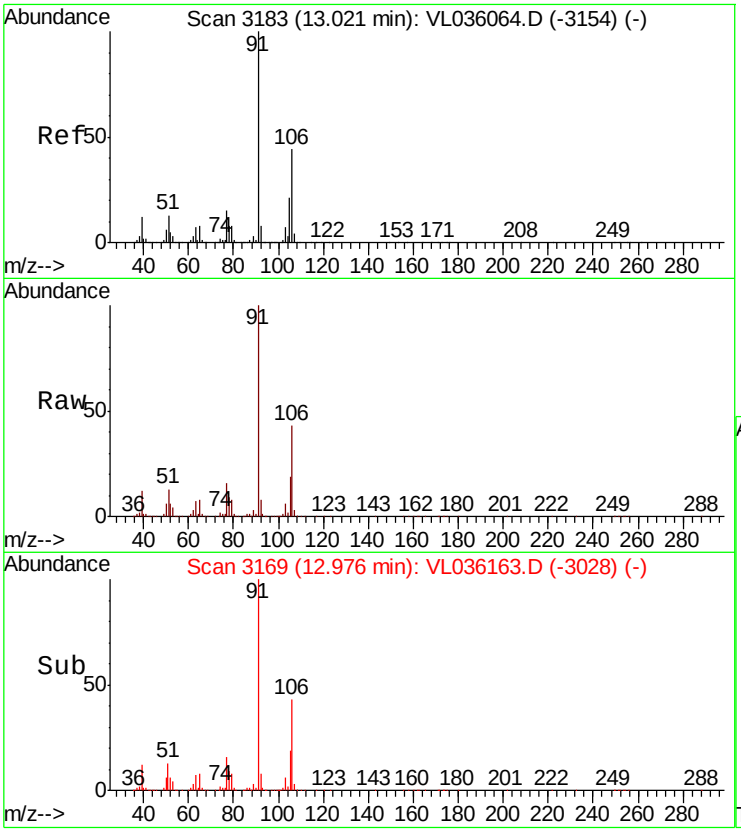


#58
Ethyl Benzene
Concen: 9.026 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 3664278

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.0	34.4



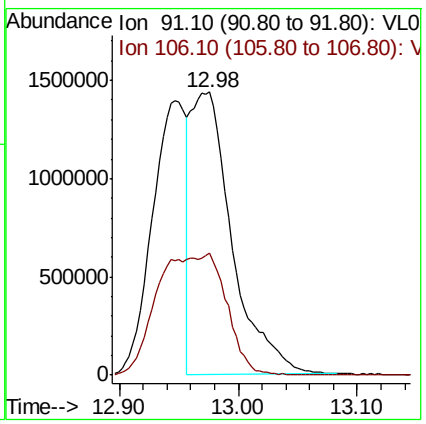


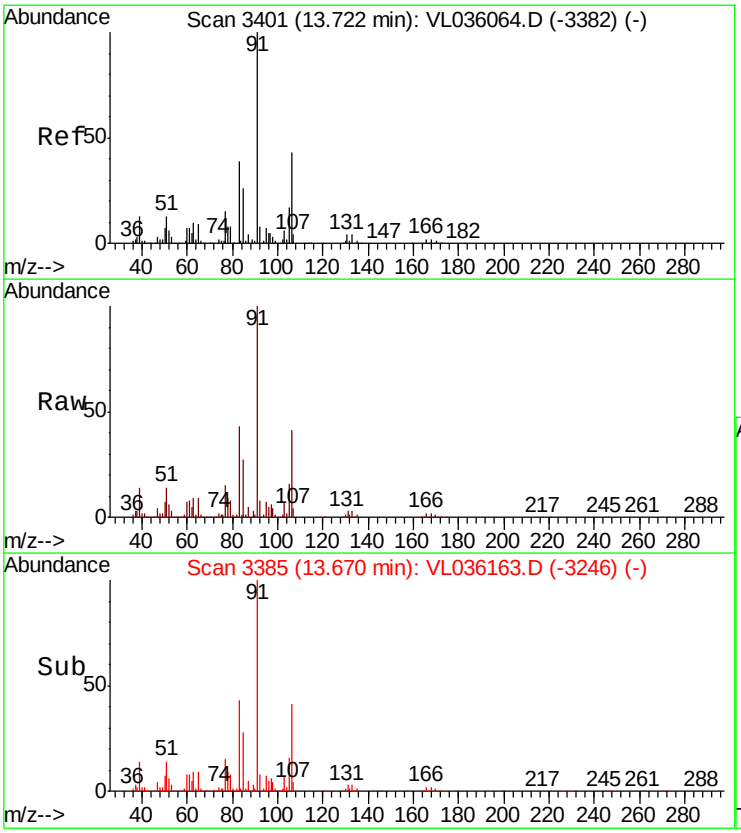
#59
m/p-Xylene
Concen: 10.055 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3437884

Ion	Ratio	Lower	Upper
91	100		
106	72.3	33.6	50.4#

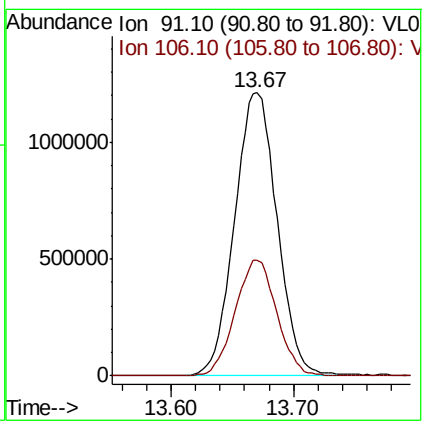


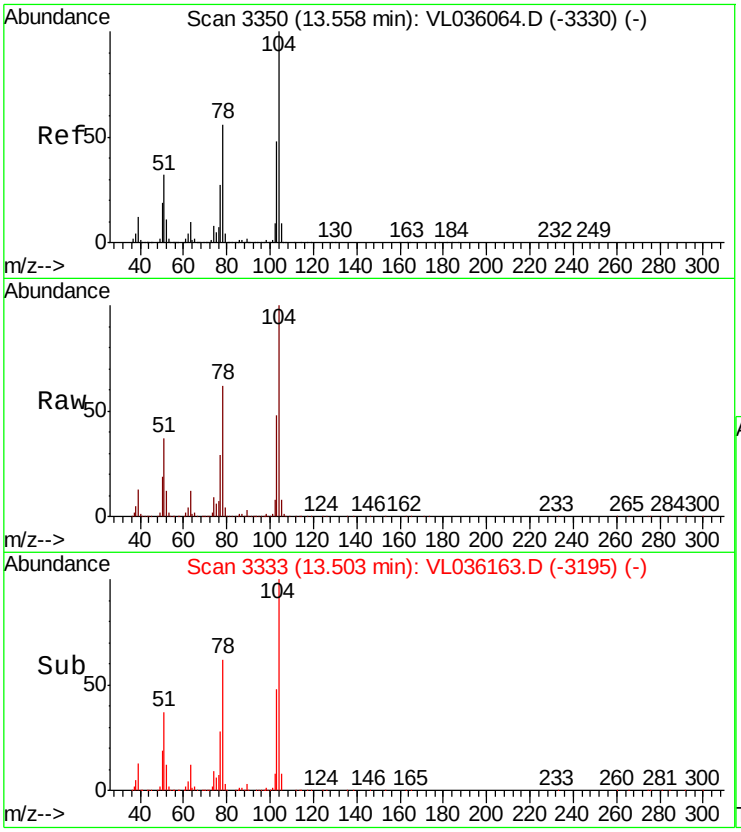


#60
o-Xylene
Concen: 9.001 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 2899699

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.6	64.6



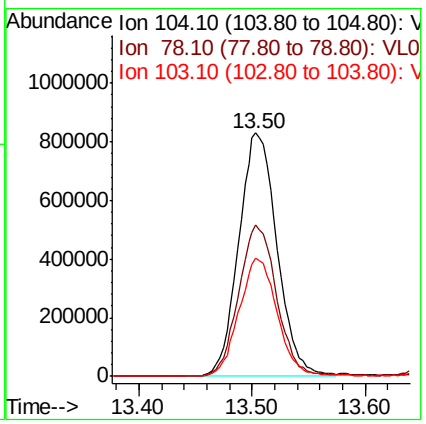


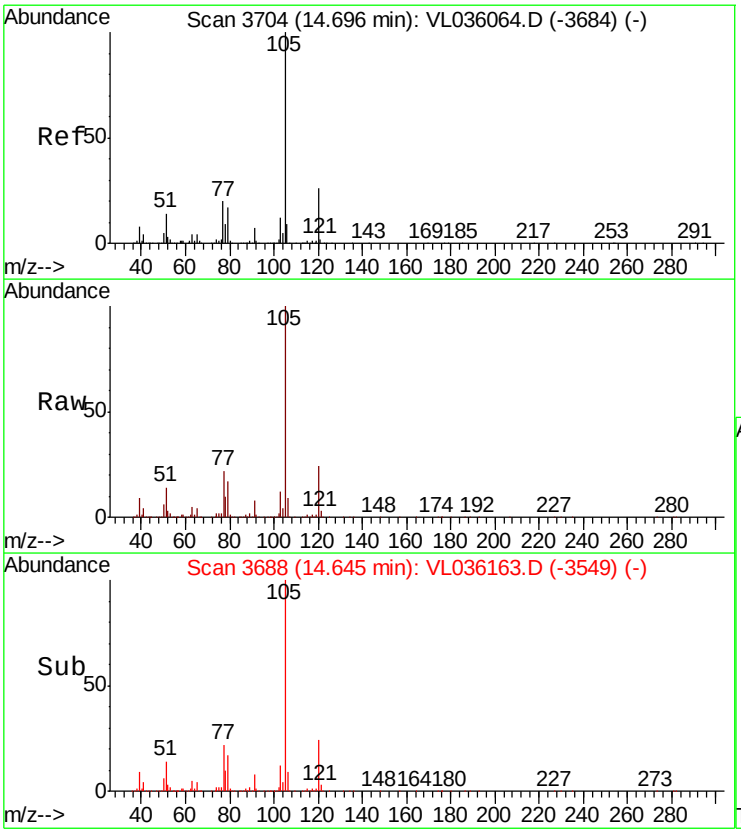
#61
Stvrene
Concen: 9.466 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1957782

Ion	Ratio	Lower	Upper
104	100		
78	62.3	45.8	68.8
103	48.6	38.6	57.8

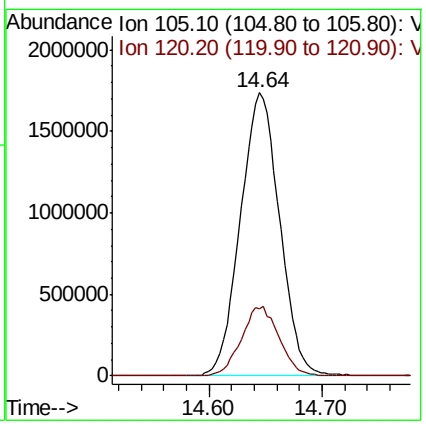


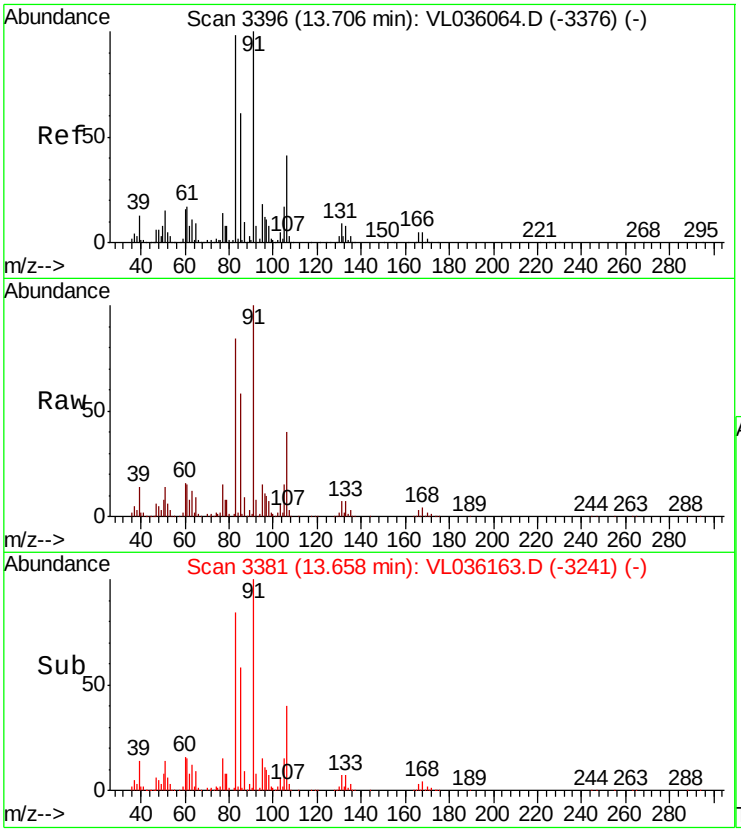


#62
Isopropylbenzene
Concen: 8.744 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:105 Resp: 4175345

Ion	Ratio	Lower	Upper
105	100		
120	23.8	20.1	30.1



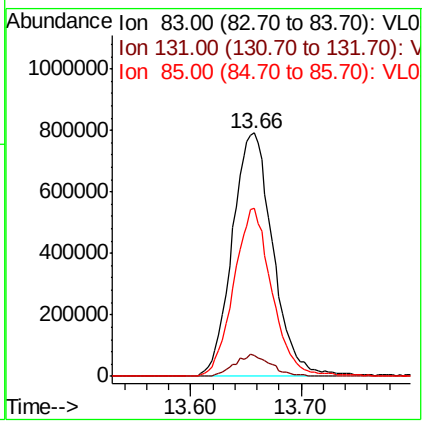


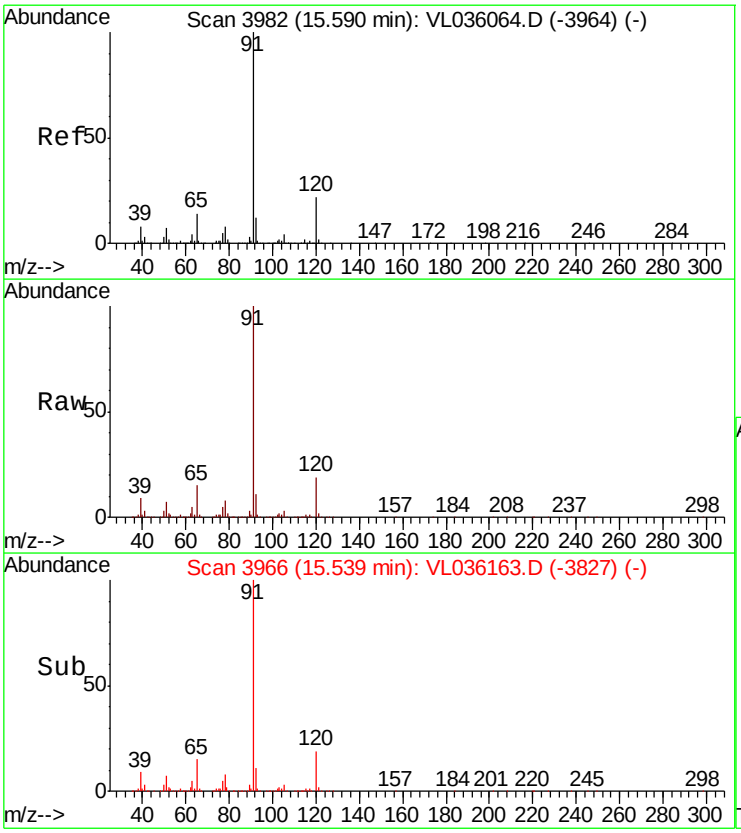
#63
1,1,2,2-Tetrachloroethane
Concen: 9.253 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2007417

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.6	13.8
85	65.2	32.5	97.5

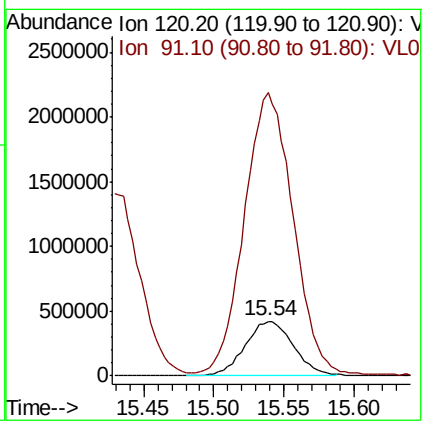


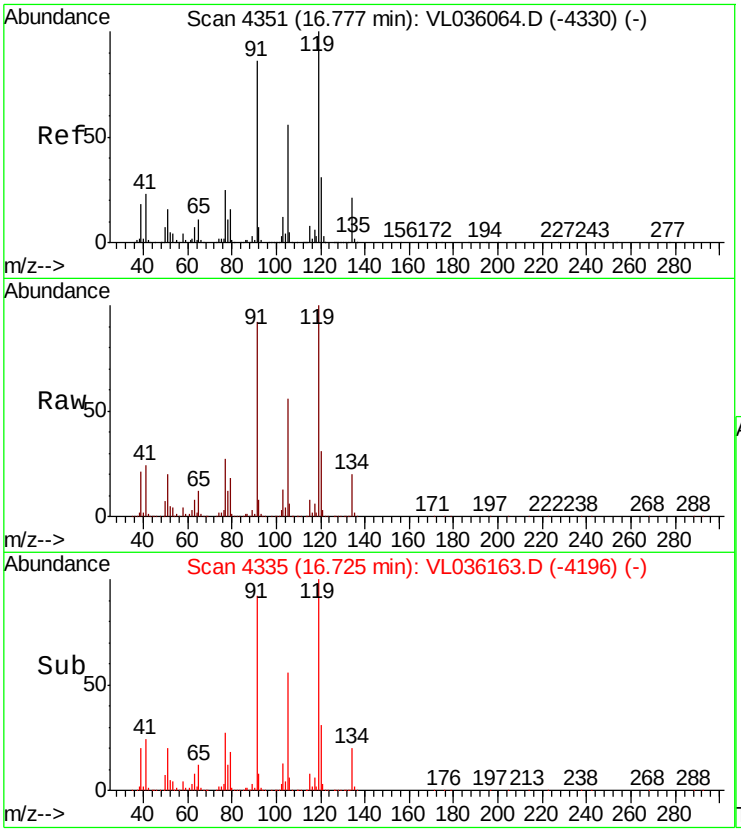


#64
n-propylbenzene
Concen: 8.684 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:120 Resp: 997679

Ion	Ratio	Lower	Upper
120	100		
91	536.3	388.9	583.3



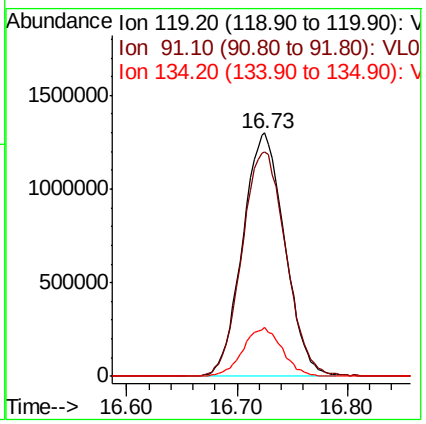


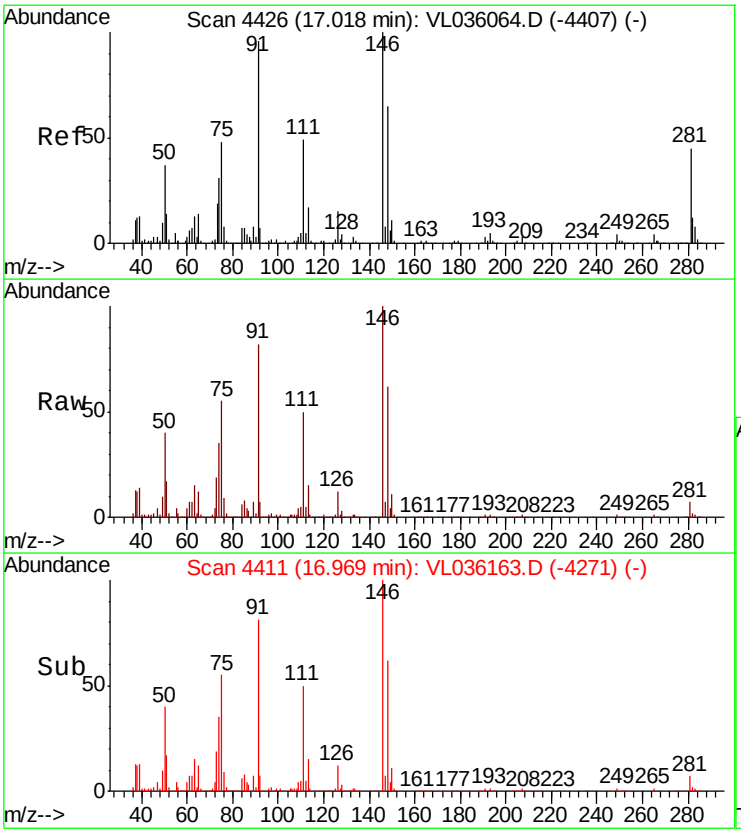
#65
tert-Butylbenzene
Concen: 8.781 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3431970

Ion	Ratio	Lower	Upper
119	100		
91	96.7	70.2	105.2
134	18.8	15.8	23.6

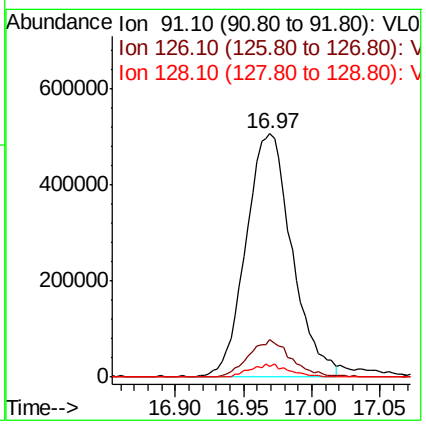


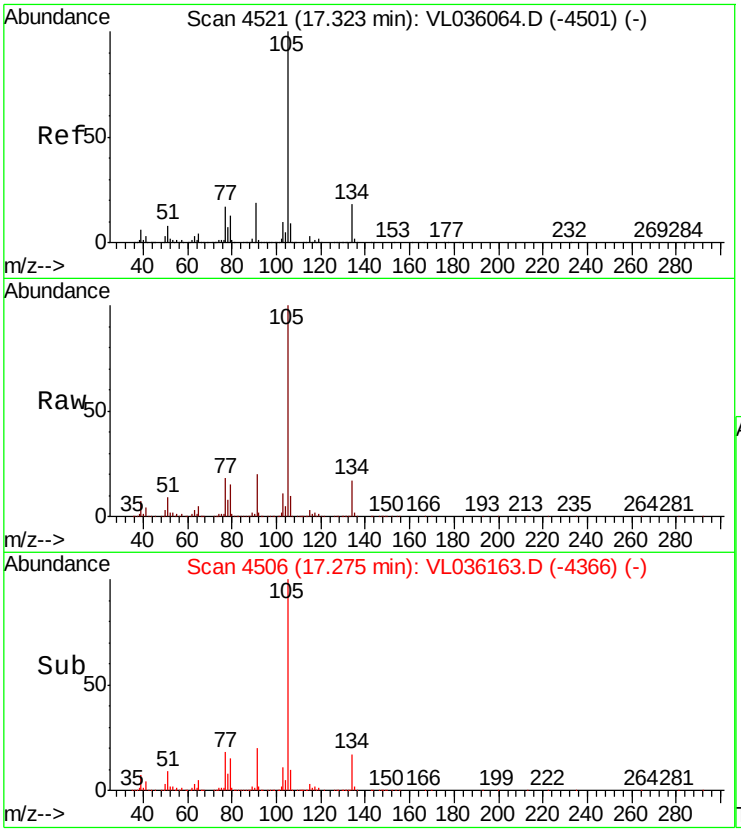


#66
Benzyl Chloride
Concen: 12.107 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 1178248

Ion	Ratio	Lower	Upper
91	100		
126	14.8	13.5	20.3
128	4.5	4.4	6.6



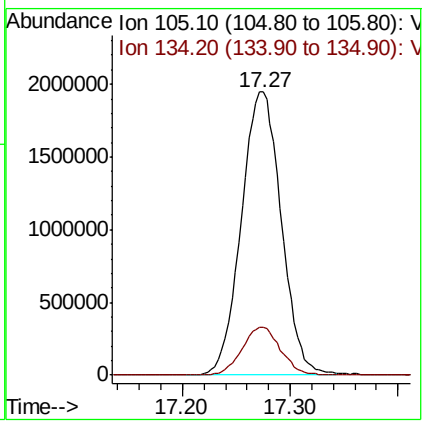


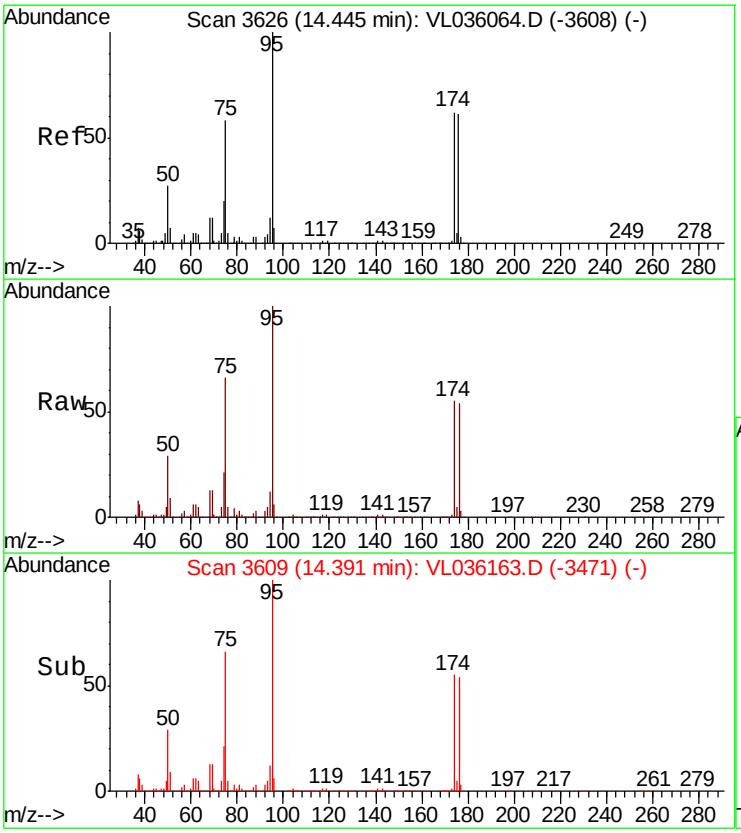
#67
sec-Butylbenzene
Concen: 9.147 ppbv
RT: 17.27 min Scan# 4506
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5003672

Ion	Ratio	Lower	Upper
105	100		
134	16.6	14.2	21.4

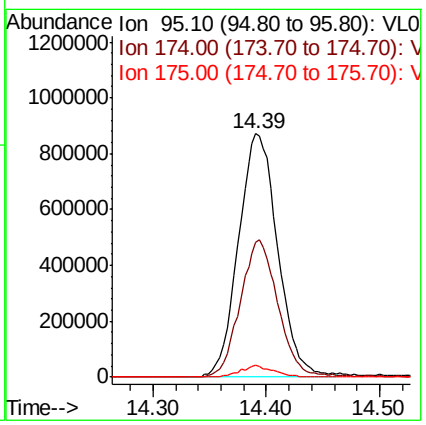


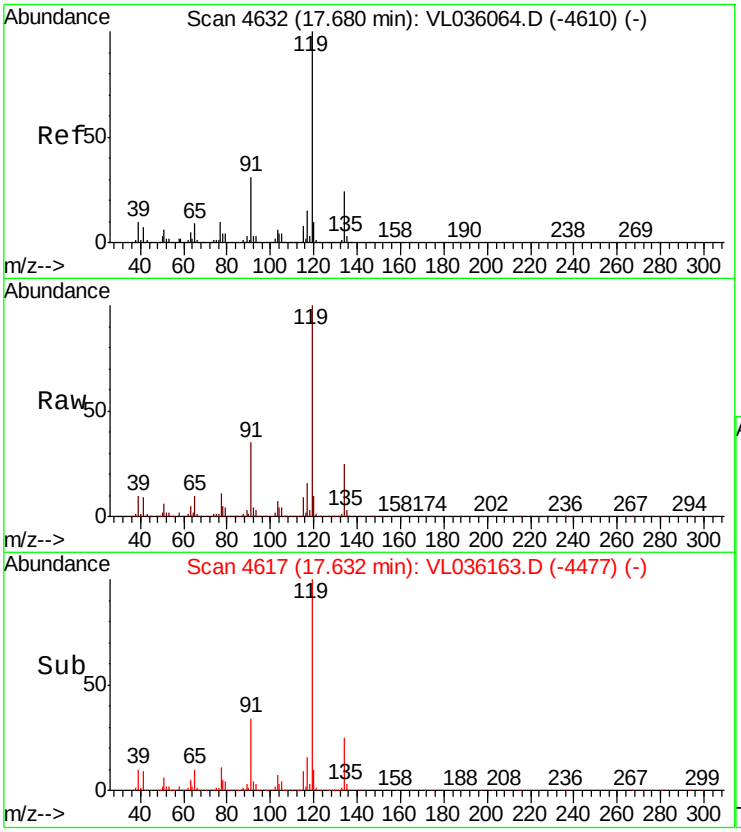


#68
1-Bromo-4-Fluorobenzene
Concen: 8.923 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 95 Resp: 2098836

Ion	Ratio	Lower	Upper
95	100		
174	54.7	50.7	76.1
175	4.1	4.0	6.0



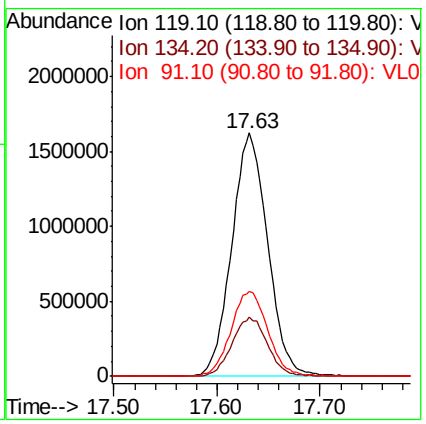


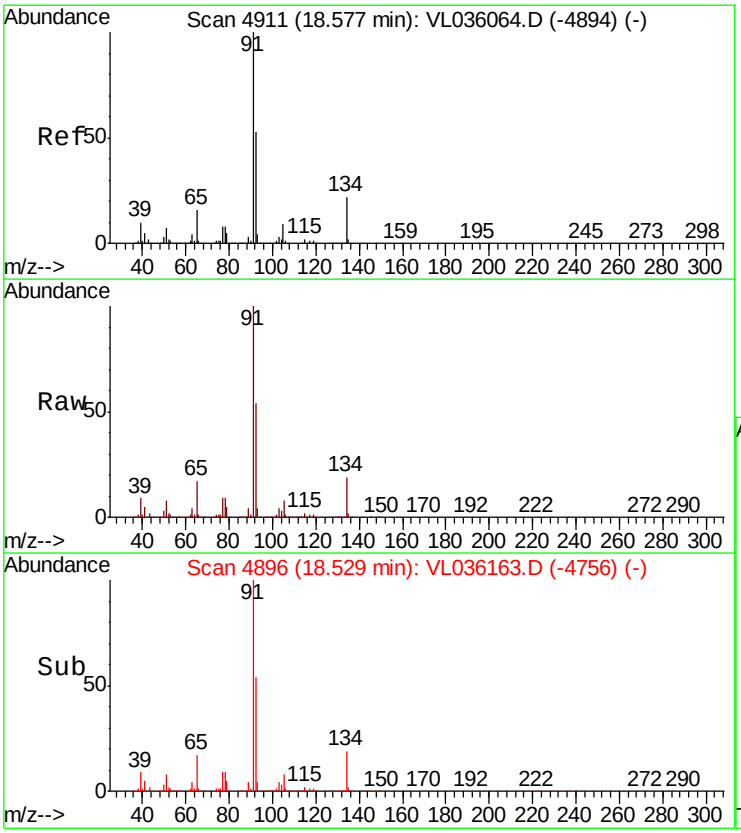
#69
p-Isopropyltoluene
Concen: 9.037 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3932152

Ion	Ratio	Lower	Upper
119	100		
134	24.0	19.8	29.6
91	35.8	25.8	38.6

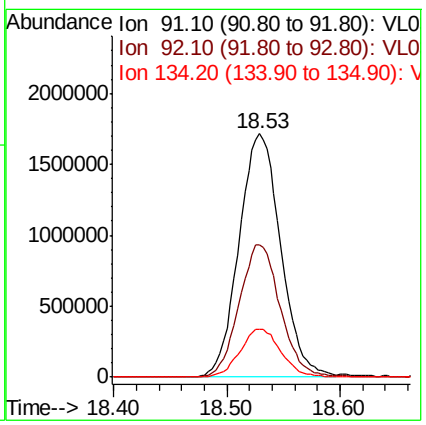


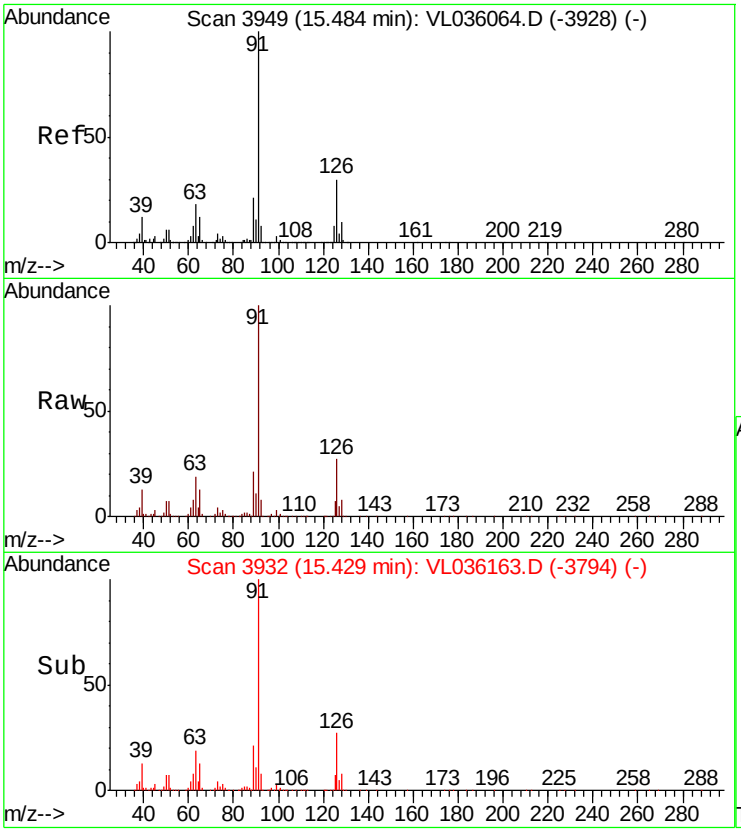


#70
n-Butylbenzene
Concen: 10.189 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion: 91 Resp: 4381626

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.3	64.9
134	19.4	17.1	25.7



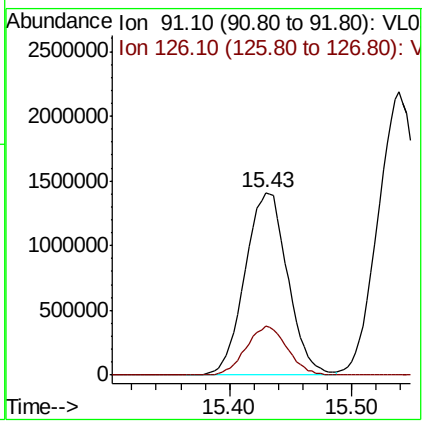


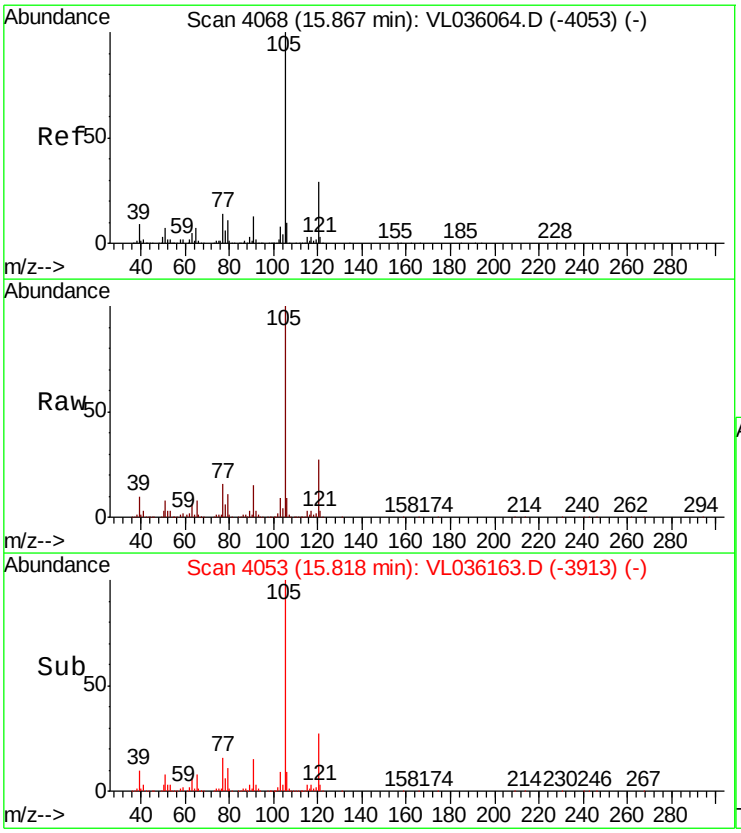
#71
2-Chlorotoluene
Concen: 9.450 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3410976

Ion	Ratio	Lower	Upper
91	100		
126	26.1	11.6	46.4

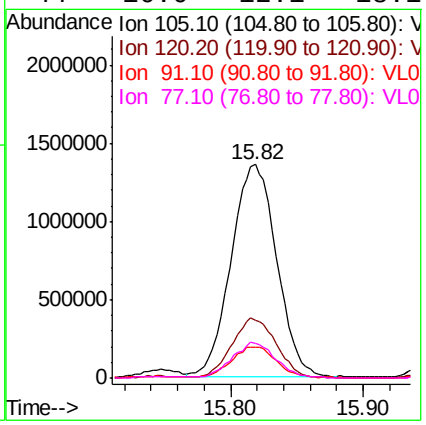


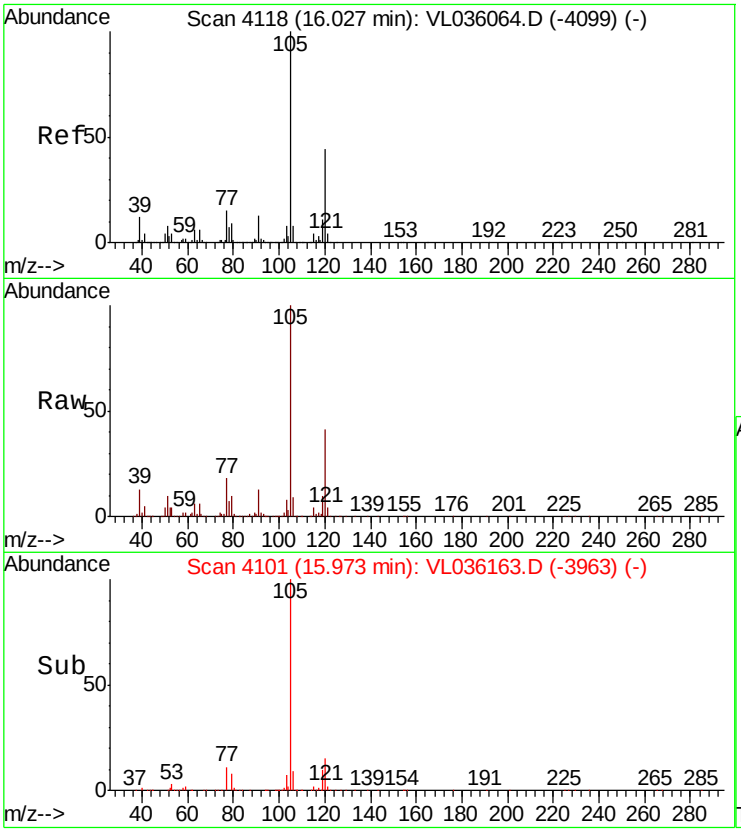


#72
4-Ethyltoluene
Concen: 9.275 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:105 Resp: 3236686

Ion	Ratio	Lower	Upper
105	100		
120	27.7	23.6	35.4
91	14.9	11.4	17.0
77	16.0	12.1	18.1



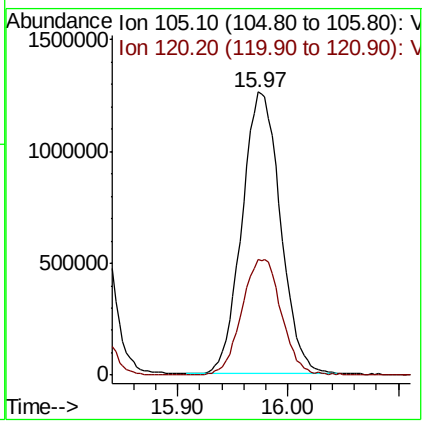


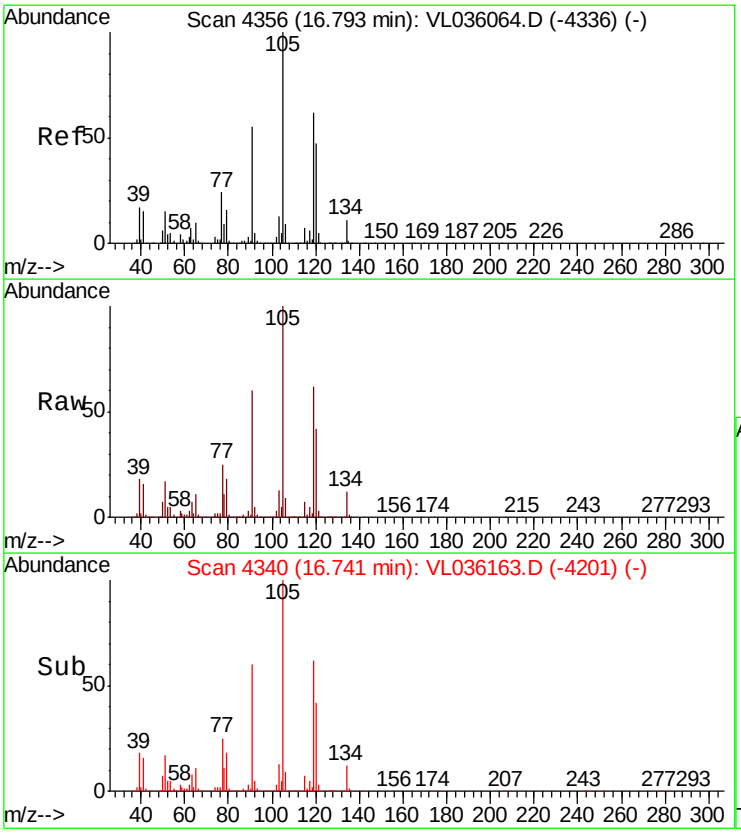
#73
1,3,5-Trimethylbenzene
Concen: 9.161 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3053008

Ion	Ratio	Lower	Upper
105	100		
120	40.8	35.4	53.2

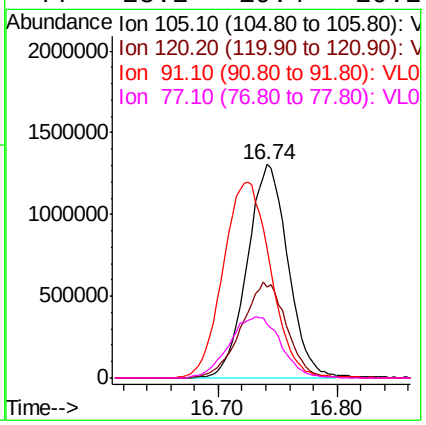


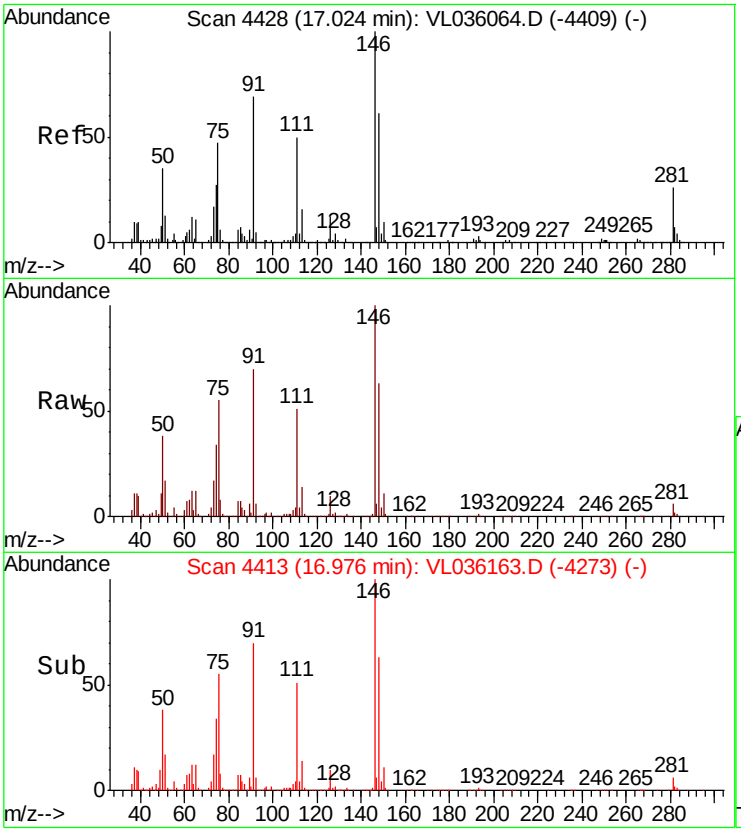


#74
1,2,4-Trimethylbenzene
Concen: 9.223 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:105 Resp: 3085547

Ion	Ratio	Lower	Upper
105	100		
120	42.3	37.4	56.0
91	59.8	45.6	68.4
77	25.2	19.4	29.2



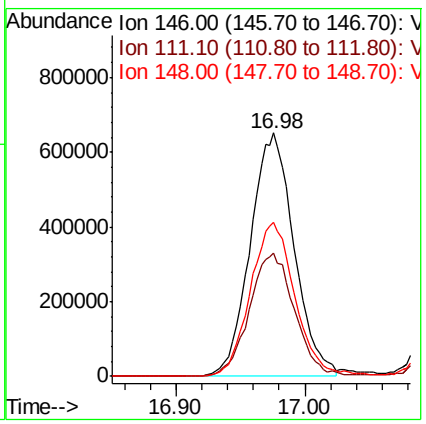


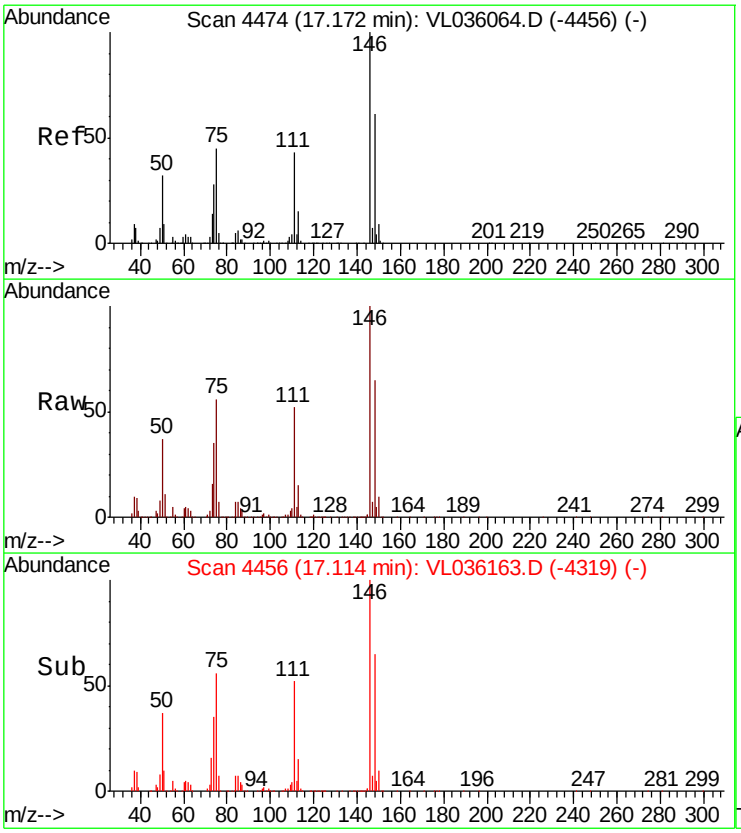
#75
1,3-Dichlorobenzene
Concen: 9.186 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1538270

Ion	Ratio	Lower	Upper
146	100		
111	52.6	25.1	75.3
148	64.9	32.9	98.6

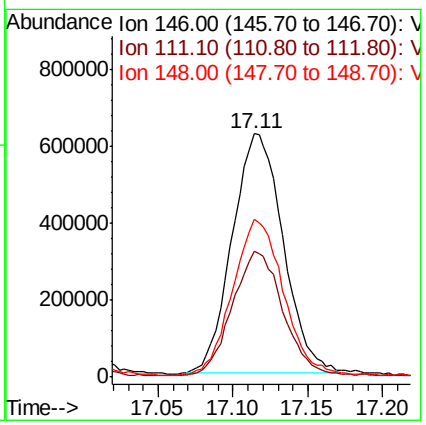


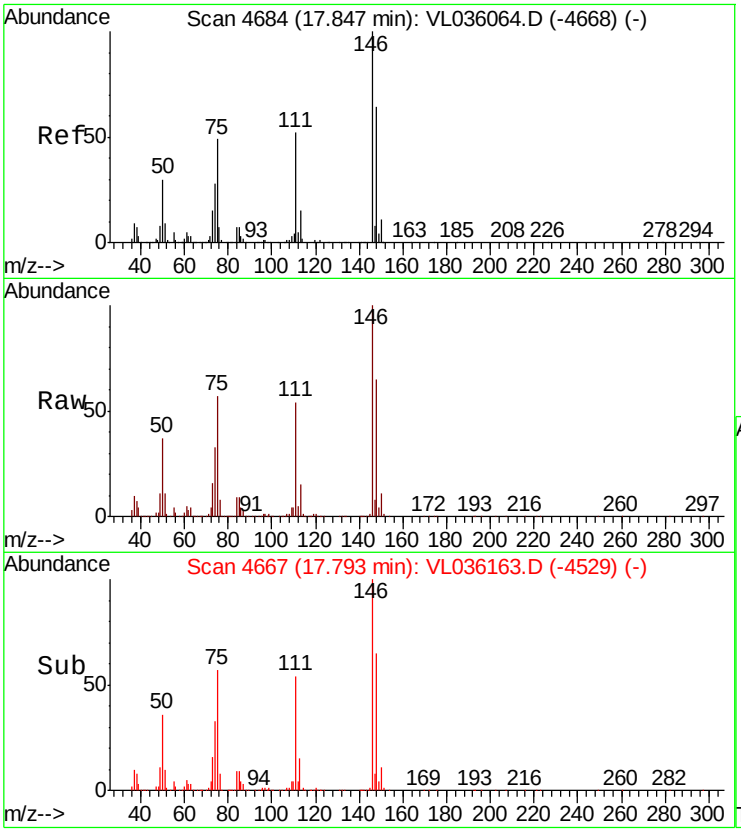


#76
1,4-Dichlorobenzene
Concen: 8.686 ppbv
RT: 17.11 min Scan# 4456
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:146 Resp: 1480985

Ion	Ratio	Lower	Upper
146	100		
111	53.8	24.3	72.8
148	67.6	32.8	98.3



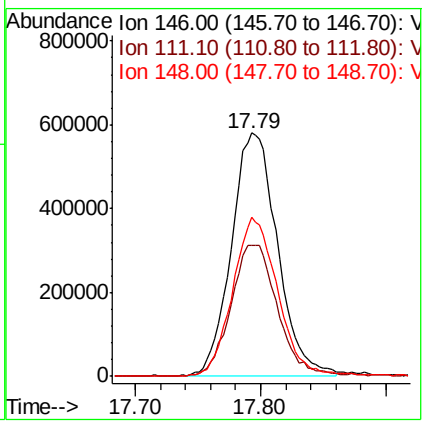


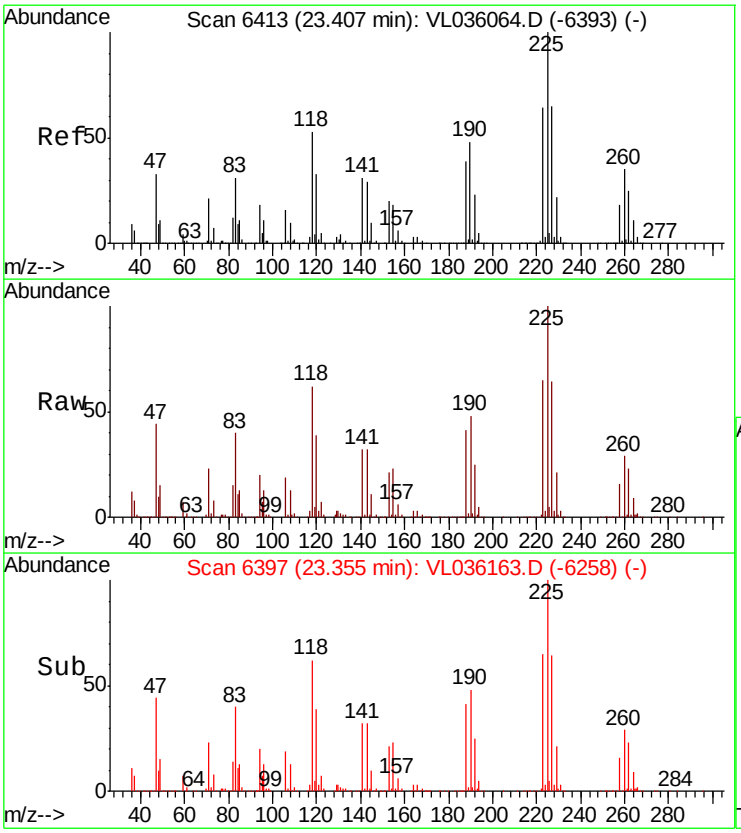
#77
1,2-Dichlorobenzene
Concen: 9.170 ppbv
RT: 17.79 min Scan# 4667
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1466269

Ion	Ratio	Lower	Upper
146	100		
111	56.2	26.1	78.2
148	65.0	33.1	99.5

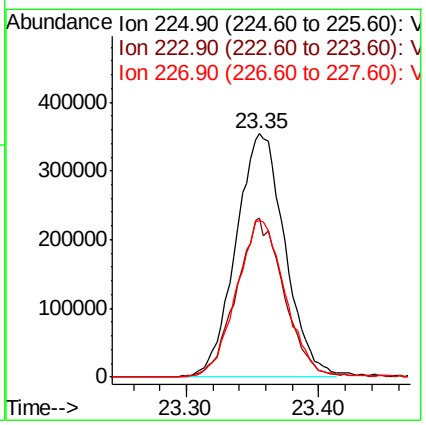


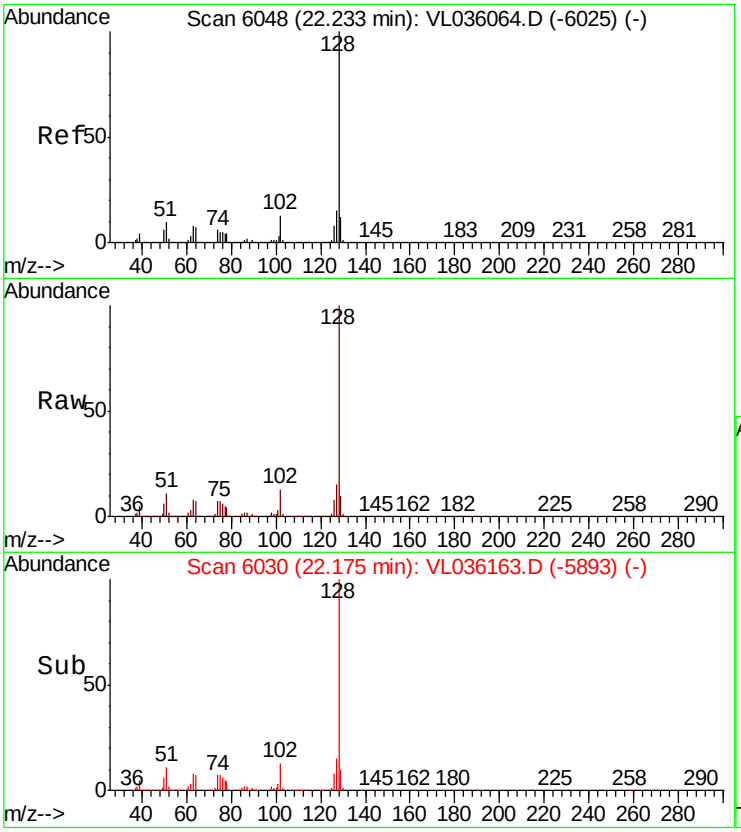


#78
Hexachloro-1,3-Butadiene
Concen: 7.065 ppbv
RT: 23.35 min Scan# 6397
Delta R.T. -0.05 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:225 Resp: 905425

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.1	76.7
227	65.0	51.7	77.5



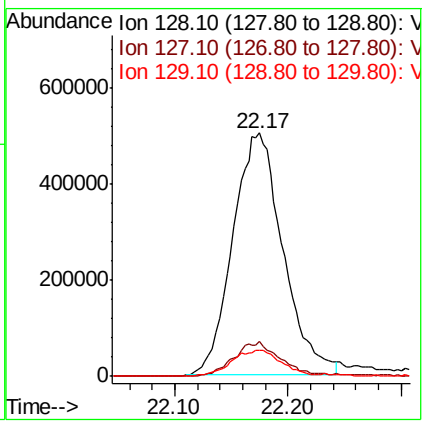


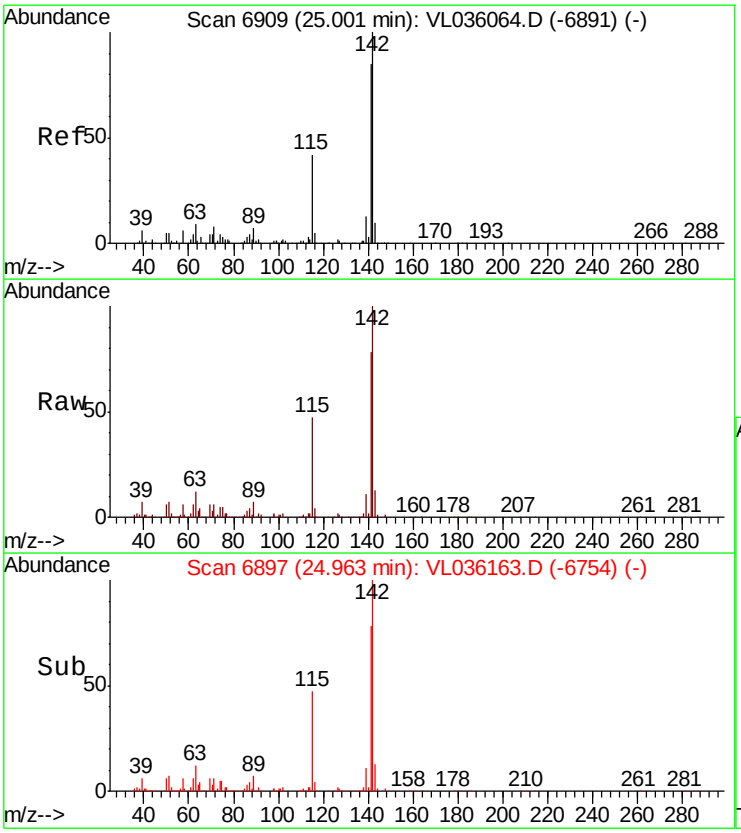
#79
Naphthalene
Concen: 9.095 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 1546708

Ion	Ratio	Lower	Upper
128	100		
127	14.6	11.7	17.5
129	10.5	9.3	13.9

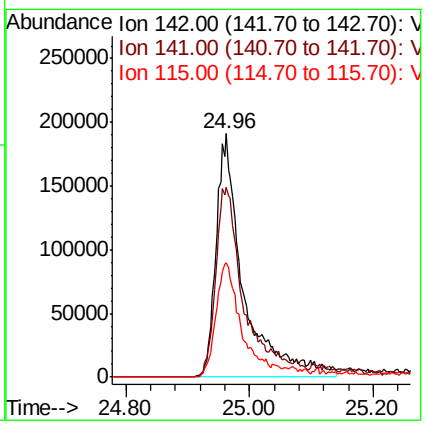


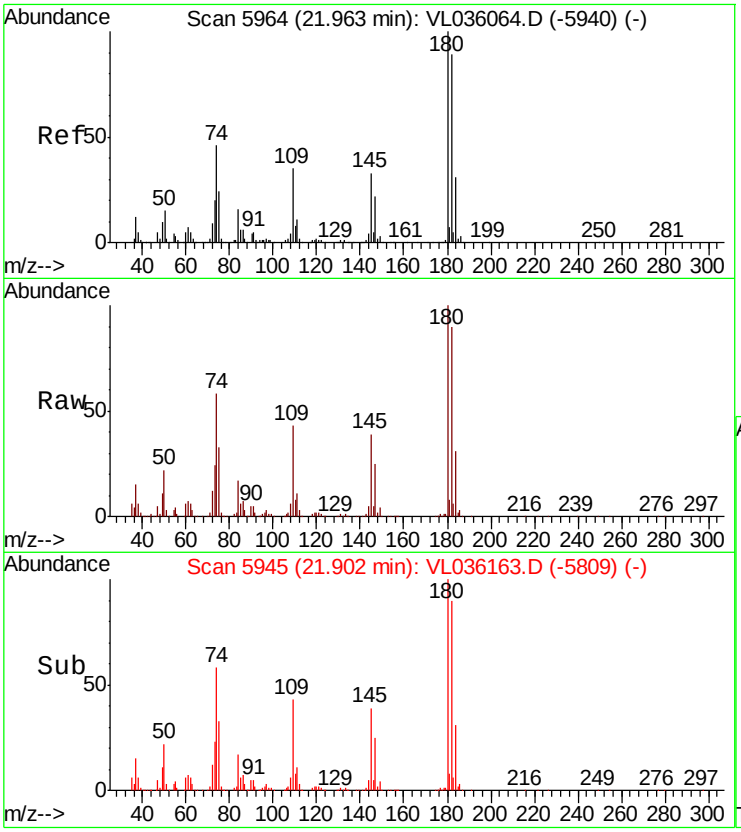


#80
Naphthalene,2-methyl-
Concen: 15.475 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.04 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Tgt Ion:142 Resp: 588444

Ion	Ratio	Lower	Upper
142	100		
141	81.6	64.3	96.5
115	47.0	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 7.886 ppbv
RT: 21.90 min Scan# 5945
Delta R.T. -0.06 min
Lab File: VL036163.D
Acq: 16 Dec 2020 10:47

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 895976

Ion	Ratio	Lower	Upper
180	100		
182	98.8	0.0	0.0#
184	31.8	0.0	0.0#