Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

Quantitation Report (Not Reviewed)

Data File : VL032549.D
Acq On : 27 Sep 2018 13:10
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 28 02:06:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.79	49	1491282	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3388237	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	4422271	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2632227	7.89	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	1062044	7.700	ppbv		99
3) Chlorodifluoromethane	3.03	51	1138551	9.181	ppbv		99
4) Chloromethane	3.19	50	651222	9.006	ppbv		100
5) Vinyl Chloride	3.31	62	626120	8.569	ppbv		99
6) Bromomethane	3.53	94	363551	9.098	ppbv		99
7) Chloroethane	3.62	64	230165	8.841	ppbv		99
8) Dichlorotetrafluoroethane	3.24	85	1389557	9.220	ppbv		100
9) Propene	3.05	41	510121	9.481	ppbv		99
10) Heptane	8.28	43	2046374	10.369	ppbv		99
11) Trichlorofluoromethane	4.02	101	1458459	8.895	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1288361	9.612	ppbv		99
13) Ethanol	3.67	45	128215	7.927	ppbv		92
14) Bromoethene	3.80	108	442874	9.312	ppbv		99
15) Acetone	3.92	43	1086412	8.299	ppbv		99
16) 1,3-Butadiene	3.38	39	521101	9.816	ppbv		96
17) tert-Butyl alcohol	4.38	59	141552	8.605	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	606740	9.666	ppbv		99
19) Isopropyl Alcohol	4.04	45	845833	9.277	ppbv	#	98
20) Methylene Chloride	4.43	84	539109	8.505	ppbv		97
21) Allyl Chloride	4.50	41	1075008	10.048	ppbv		100
22) trans-1,2-Dichloroethene	4.99	96	598032	10.109	ppbv		96
23) Vinyl Acetate	5.18	43	2375892	10.271	ppbv		99
24) 1,1-Dichloroethane	5.12	63	1811222	9.403	ppbv		99
25) Ethyl Acetate	5.79	43	3052782	9.611	ppbv		99
26) Hexane	5.80	57	1392482	9.706	ppbv		98
27) Carbon Disulfide	4.64	76	1615912	10.477	ppbv		100
28) Methyl tert-Butyl Ether	5.14	73	1868669	10.456	ppbv		99
29) Chloroform	5.88	83	2157457	9.800	ppbv		100
30) Cyclohexane	7.28	84	1213362	10.386	ppbv		98
31) cis-1,2-Dichloroethene	5.67	61	1447198	10.591	ppbv		99
32) 1,1,1-Trichloroethane	6.65	97	2168338	9.243	ppbv		98
34) 2-Butanone	5.35	43	1981417	9.820	ppbv		99
35) Carbon Tetrachloride	7.16	117	2157795	9.165	ppbv		99
36) Benzene	7.04	78	2993937	10.934	ppbv		98
37) 1,2-Dichloroethane	6.44	62	1751405	10.613	ppbv		99
38) Trichloroethene	7.99	130	1083074	10.334	ppbv		99
39) 1,2-Dichloropropane	7.77	63	1207539	9.786	ppbv		98
40) 1,4-Dioxane	7.98	88	376334	9.947	ppbv	#	1
41) Tetrahydrofuran	6.17	42	1220007	11.129	ppbv		98
42) Bromodichloromethane	7.95	83	2470503	9.993	ppbv		98
43) Methyl Methacrylate	8.17	69	1261331	11.027	ppbv		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

Quantitation Report (Not Reviewed)

Data File : VL032549.D
Acq On : 27 Sep 2018 13:10
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 28 02:06:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5323773	9.948	ppbv		100
45) t-1,3-Dichloropropene	9.45	75	1575702	11.074	ppbv		96
46) cis-1,3-Dichloropropene	8.87	75	1835082	10.995	ppbv		99
47) 1,1,2-Trichloroethane	9.65	97	1325449	9.671	ppbv		97
48) Dibromochloromethane	10.49	129	2211358	10.261	ppbv		100
49) Bromoform	13.24	173	1695338	10.295	ppbv		100
50) 4-Methyl-2-Pentanone	8.90	43	3105079	9.790	ppbv		100
51) 2-Hexanone	10.30	43	2875106	10.961	ppbv		100
52) Tetrachloroethene	11.41	164	936308	9.821	ppbv		98
53) Toluene	9.98	91	3718110	11.143	ppbv		100
54) 1,2-Dibromoethane	10.79	107	2031657	10.422	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.32	131	1464947	7.370	ppbv	#	60
57) Chlorobenzene	12.34	112	2571272	7.218	ppbv		98
58) Ethyl Benzene	12.90	91	4627474	8.627	ppbv		96
59) m/p-Xylene	13.19	91	4201327	8.803	ppbv	#	45
60) o-Xylene	13.89	91	3737174	8.042	ppbv		100
61) Styrene	13.72	104	2770948	9.116	ppbv		99
62) Isopropylbenzene	14.86	105	5245432	7.982	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2814923	6.819	ppbv		100
64) n-propylbenzene	15.76	120	1344165	7.962	ppbv		96
65) tert-Butylbenzene	16.94	119	4381372	7.779	ppbv		99
66) Benzyl Chloride	17.19	91	2791182	8.598	ppbv		100
67) sec-Butylbenzene	17.50	105	6524267	7.791	ppbv		100
69) p-Isopropyltoluene	17.85	119	5212621	8.059	ppbv		99
70) n-Butylbenzene	18.75	91	5750812	8.140	ppbv		99
71) 2-Chlorotoluene	15.65	91	4152669	8.297	ppbv		99
72) 4-Ethyltoluene	16.04	105	4304183	8.534	ppbv		99
73) 1,3,5-Trimethylbenzene	16.19	105	4100685	8.366	ppbv		98
74) 1,2,4-Trimethylbenzene	16.96	105	4142944	7.850	ppbv		98
75) 1,3-Dichlorobenzene	17.20	146	2321428	7.128	ppbv		100
76) 1,4-Dichlorobenzene	17.34	146	2322658	7.789	ppbv		99
77) 1,2-Dichlorobenzene	18.02	146	2255068	7.363	ppbv		98
78) Hexachloro-1,3-Butadiene	23.58	225	1371457	11.932	ppbv		99
79) Naphthalene	22.45	128	3802029	9.989	ppbv		99
80) Naphthalene,2-methyl-	25.14	142	1438827	16.101	ppbv		99
81) 1,2,4-Trichlorobenzene	22.18	180	1794953	9.201	ppbv		99

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

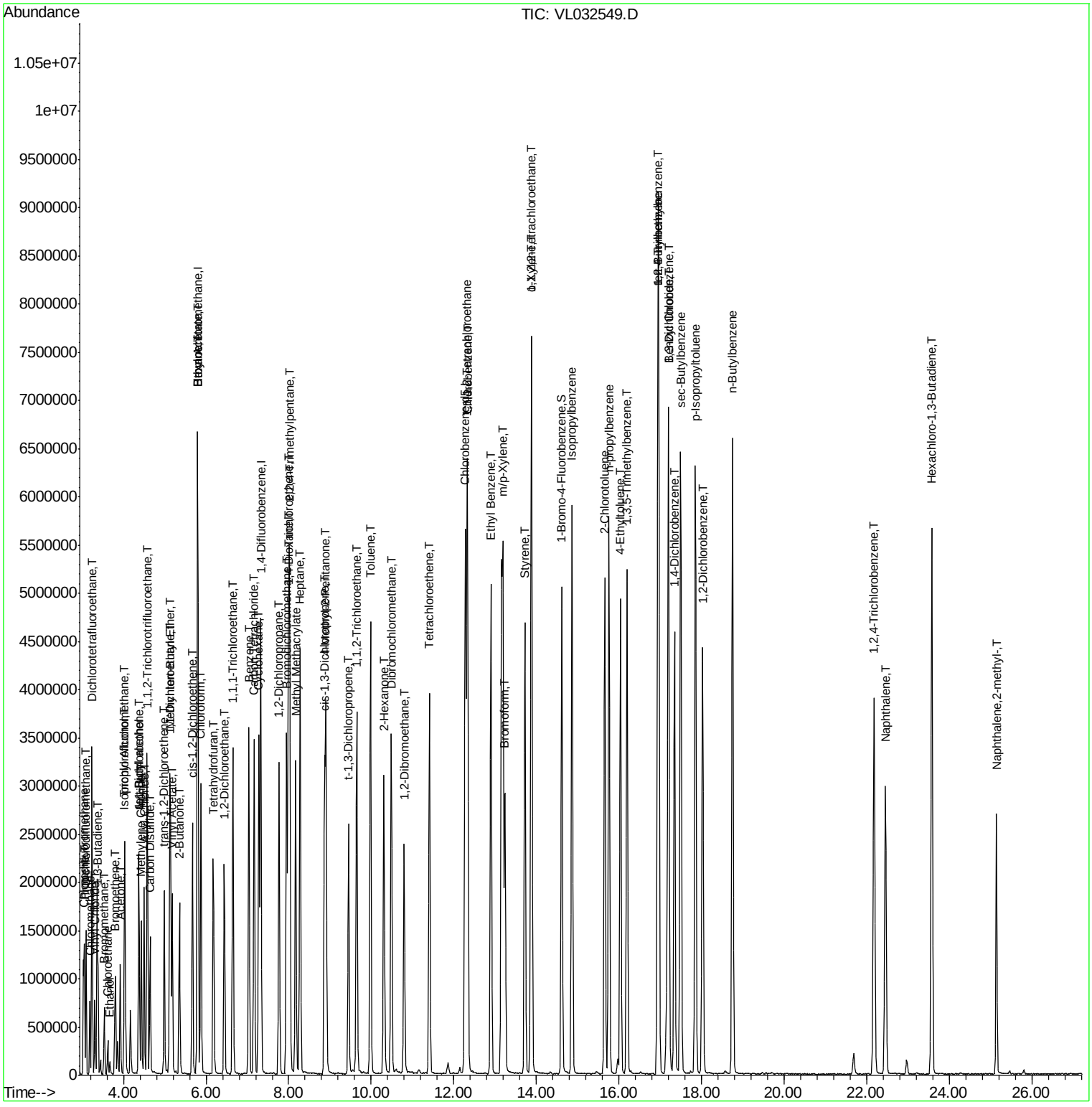
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

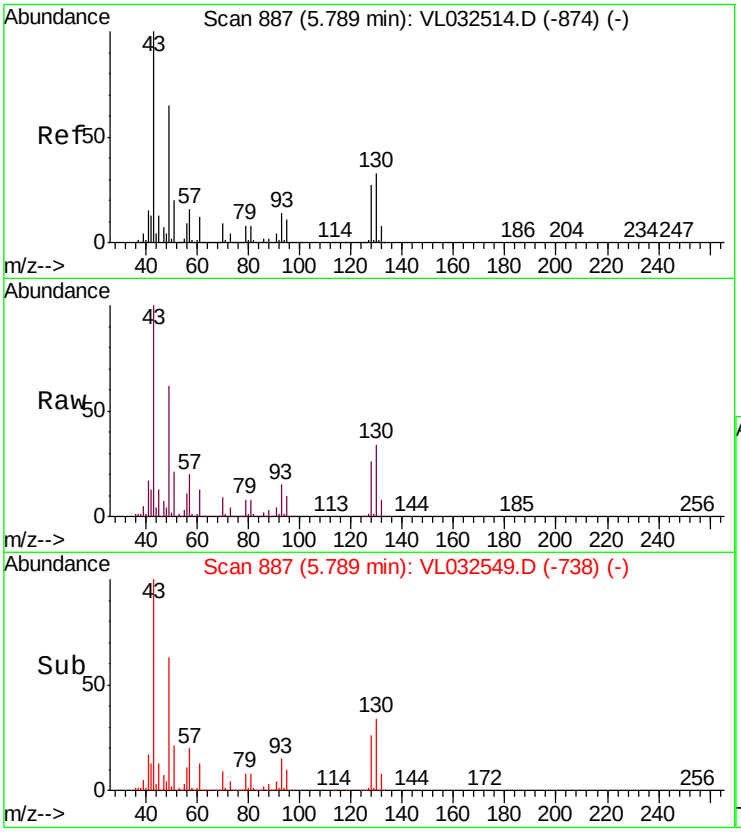
Quantitation Report (Not Reviewed)

Data File : VL032549.D
Acq On : 27 Sep 2018 13:10
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 28 02:06:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



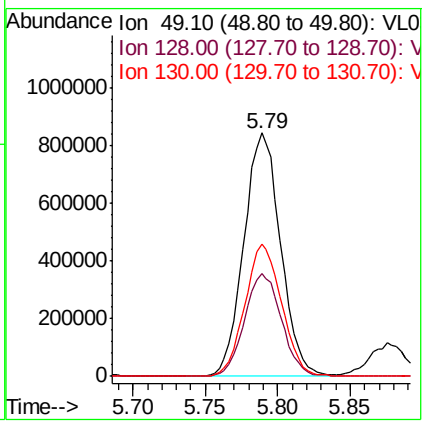


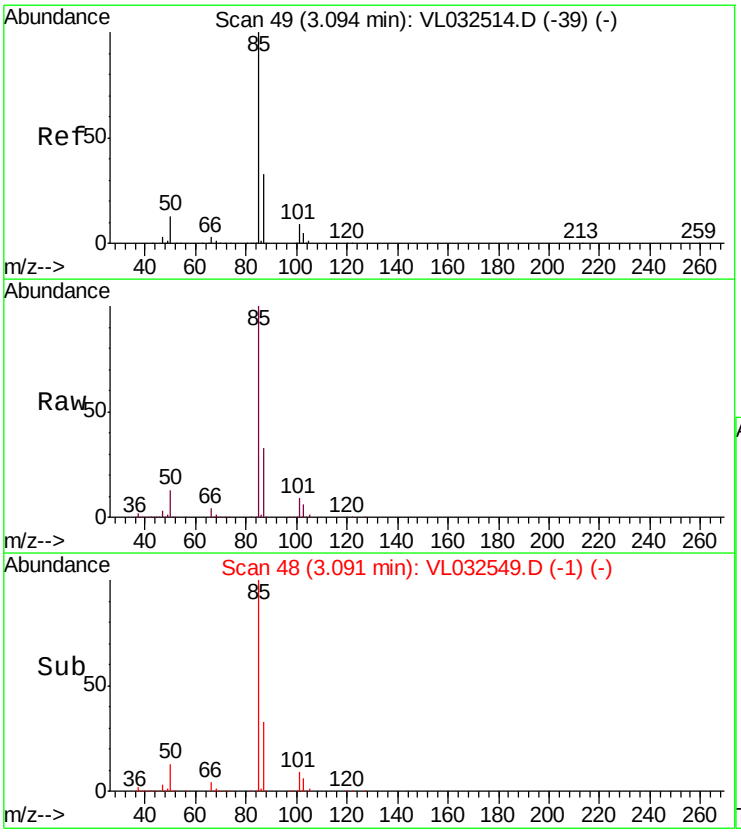
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1491282

Ion	Ratio	Lower	Upper
49	100		
128	42.4	20.7	62.1
130	54.4	26.6	79.7

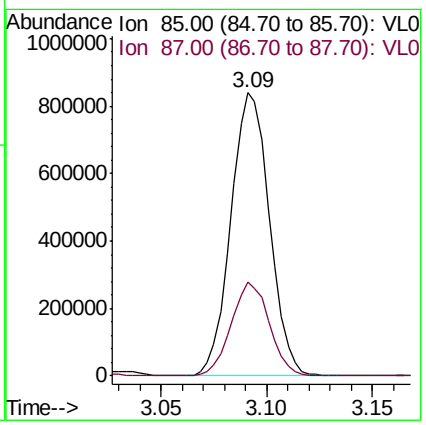


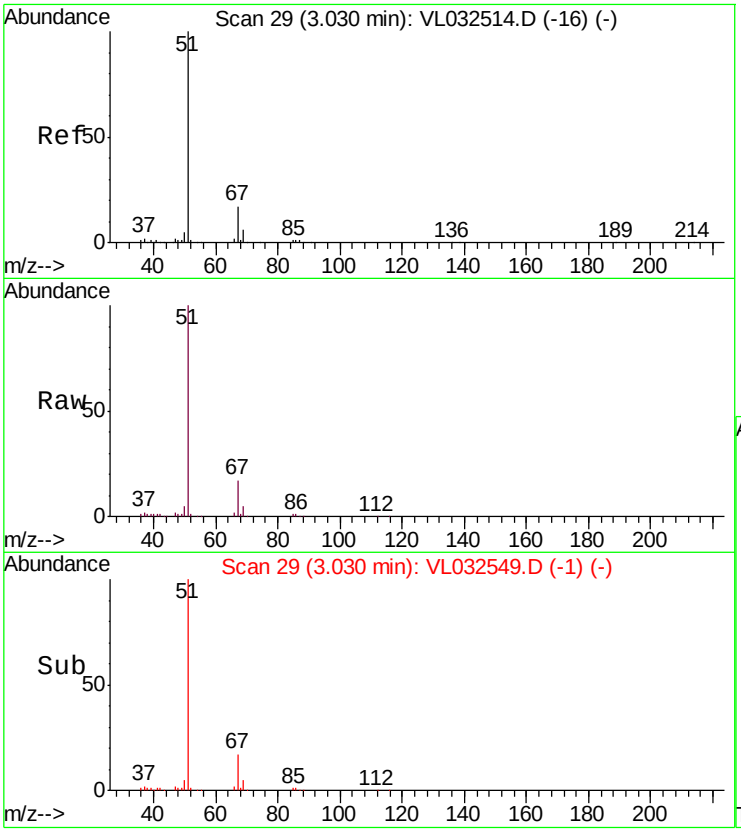


#2
Dichlorodifluoromethane
Concen: 7.700 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 85 Resp: 1062044

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.2	39.4



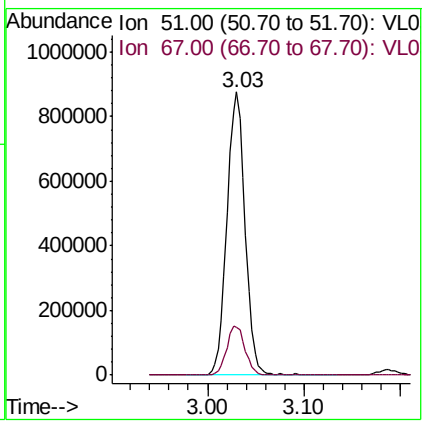


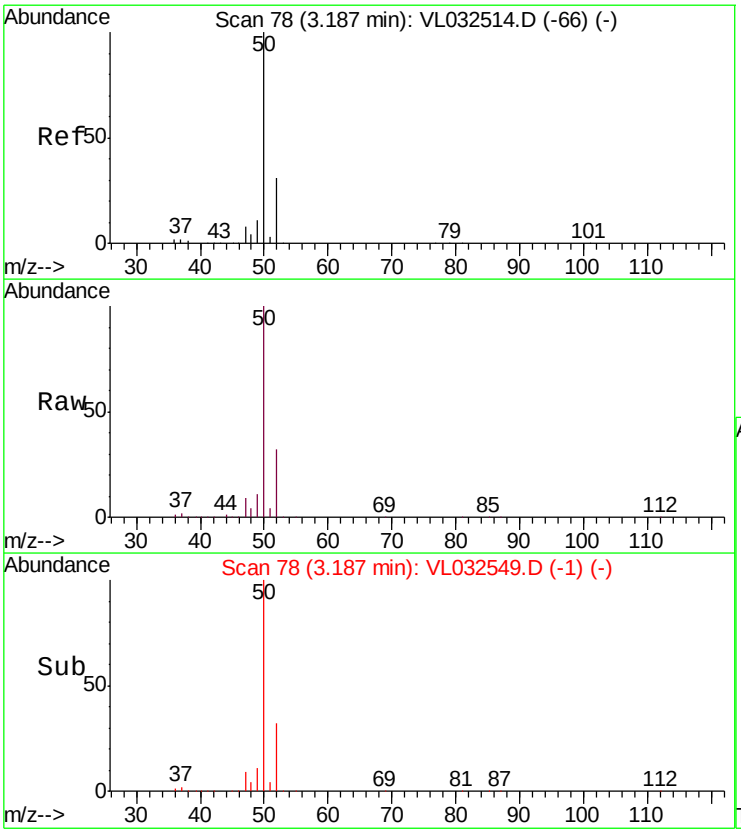
#3
Chlorodifluoromethane
Concen: 9.181 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1138551

Ion	Ratio	Lower	Upper
51	100		
67	17.6	13.8	20.8

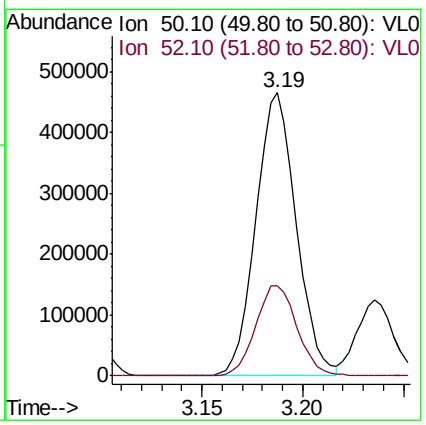


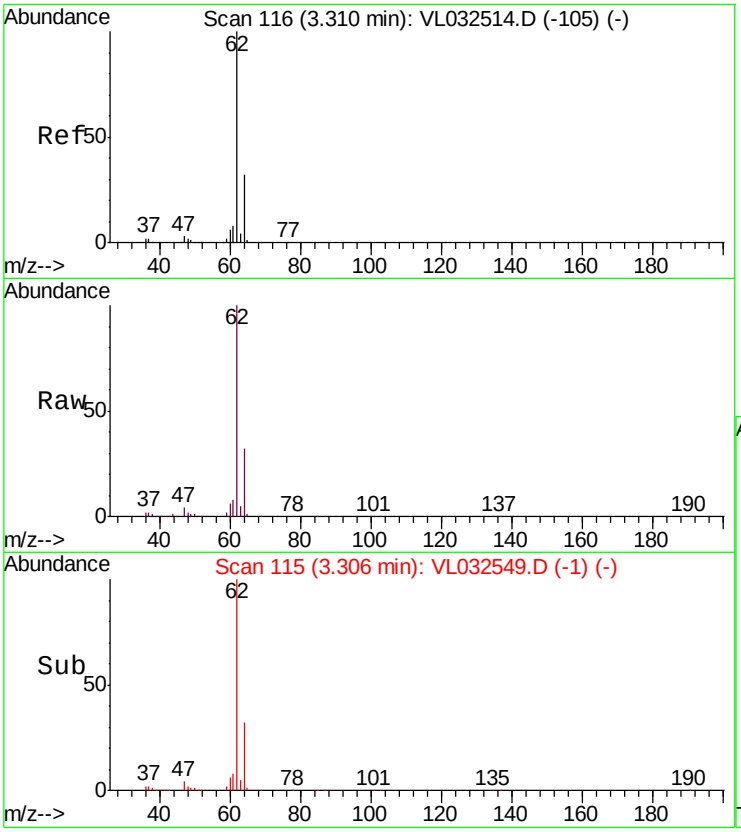


#4
Chloromethane
Concen: 9.006 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 50 Resp: 651222

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.6	38.4



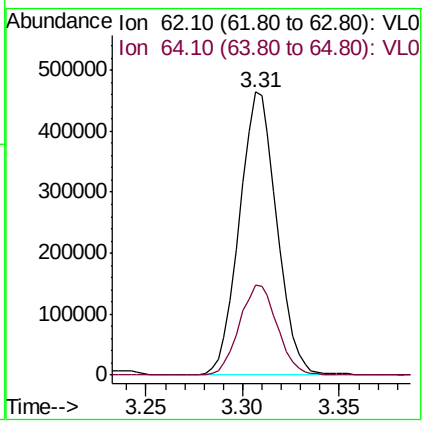


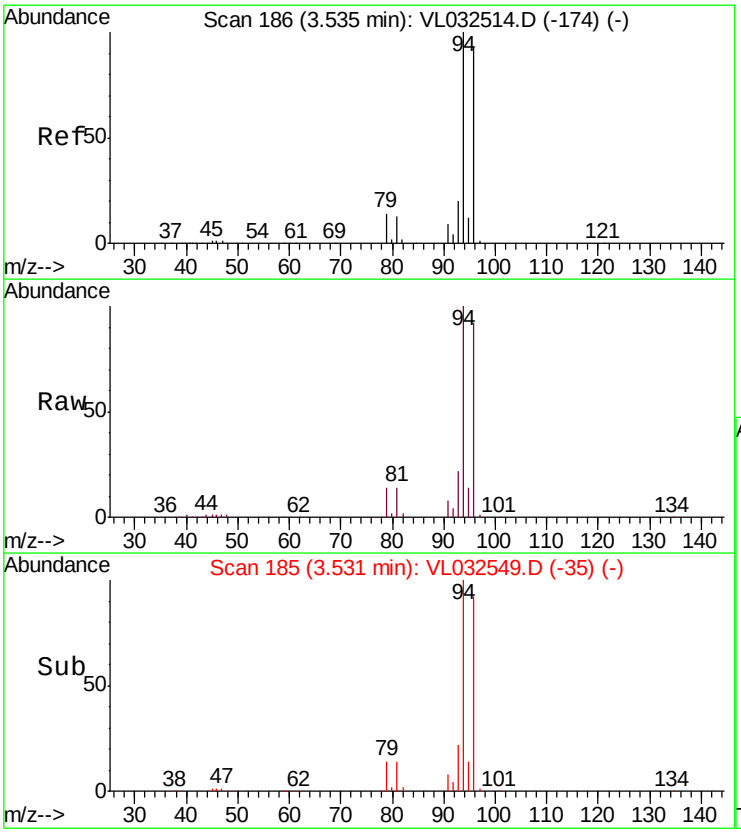
#5
Vinyl Chloride
Concen: 8.569 ppbv
RT: 3.31 min Scan# 115
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 626120

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.0	37.6

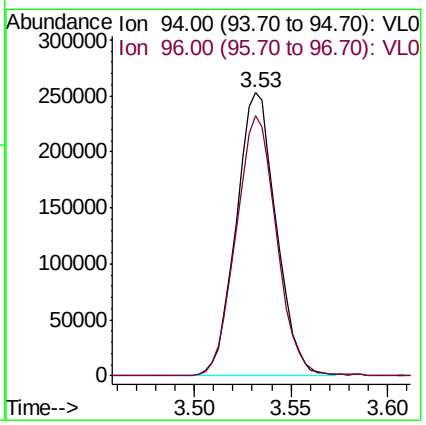


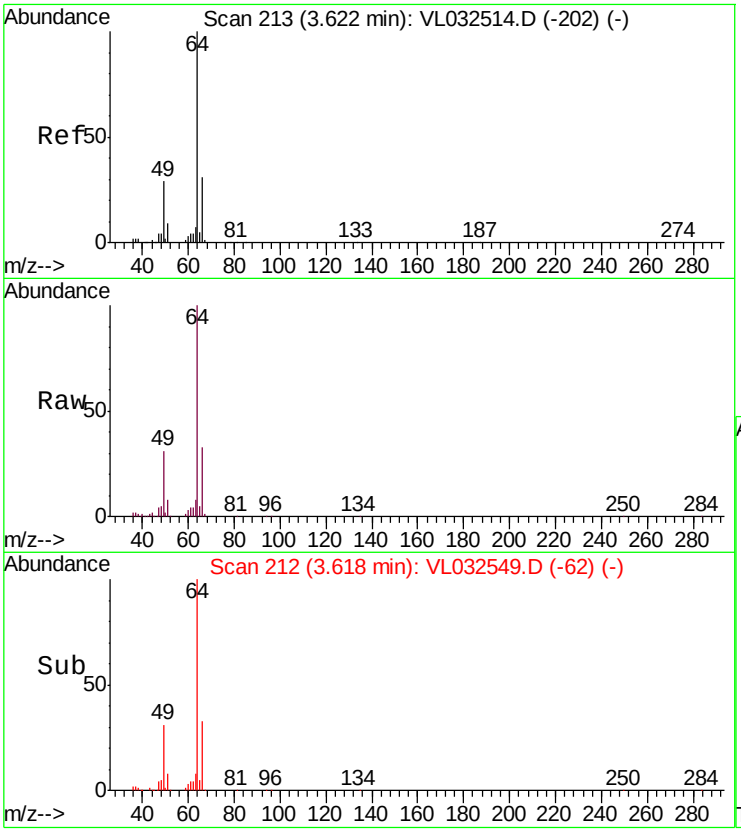


#6
Bromomethane
Concen: 9.098 ppbv
RT: 3.53 min Scan# 185
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 94 Resp: 363551

Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2



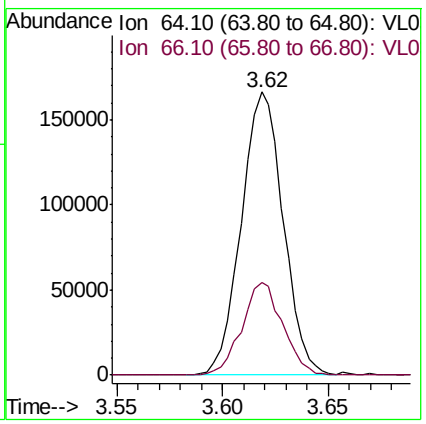


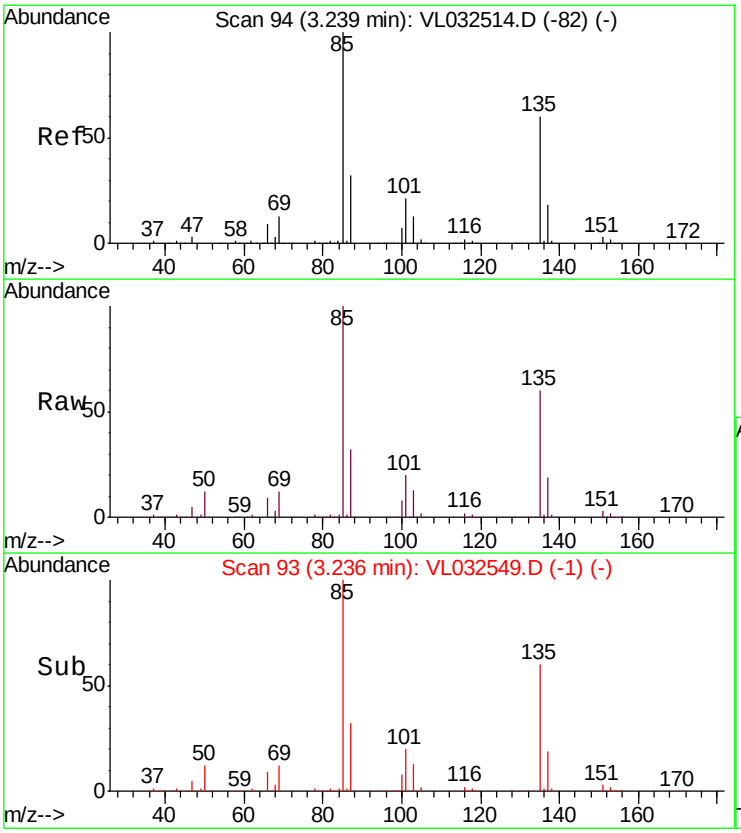
#7
Chloroethane
Concen: 8.841 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 230165

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.8	38.6

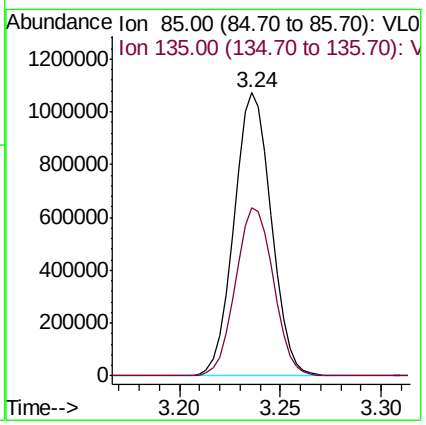


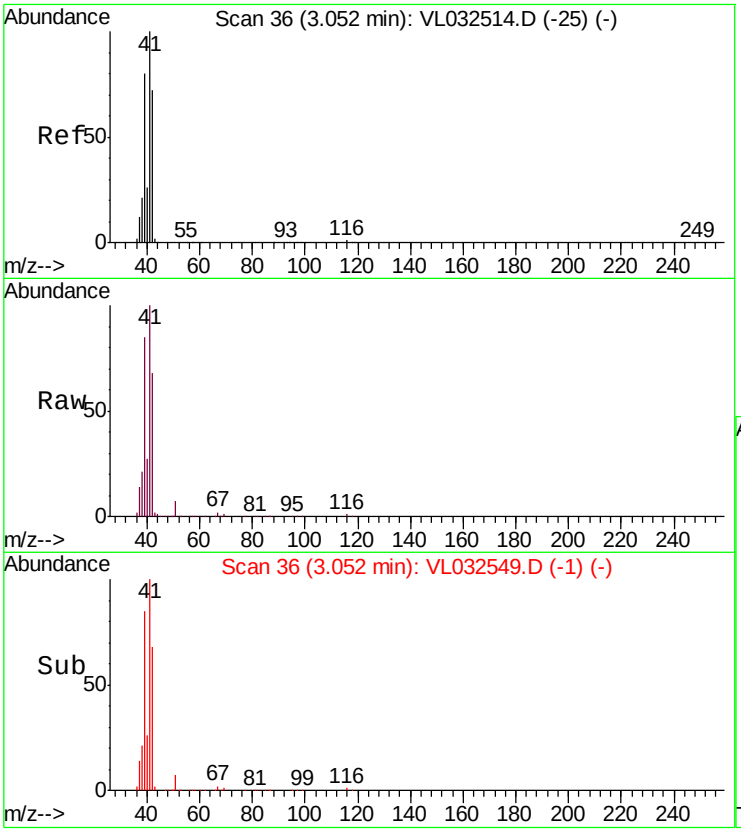


#8
Dichlorotetrafluoroethane
Concen: 9.220 ppbv
RT: 3.24 min Scan# 93
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 85 Resp: 1389557

Ion	Ratio	Lower	Upper
85	100		
135	60.9	48.6	72.8



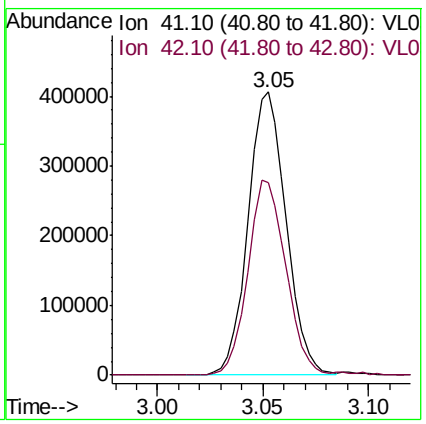


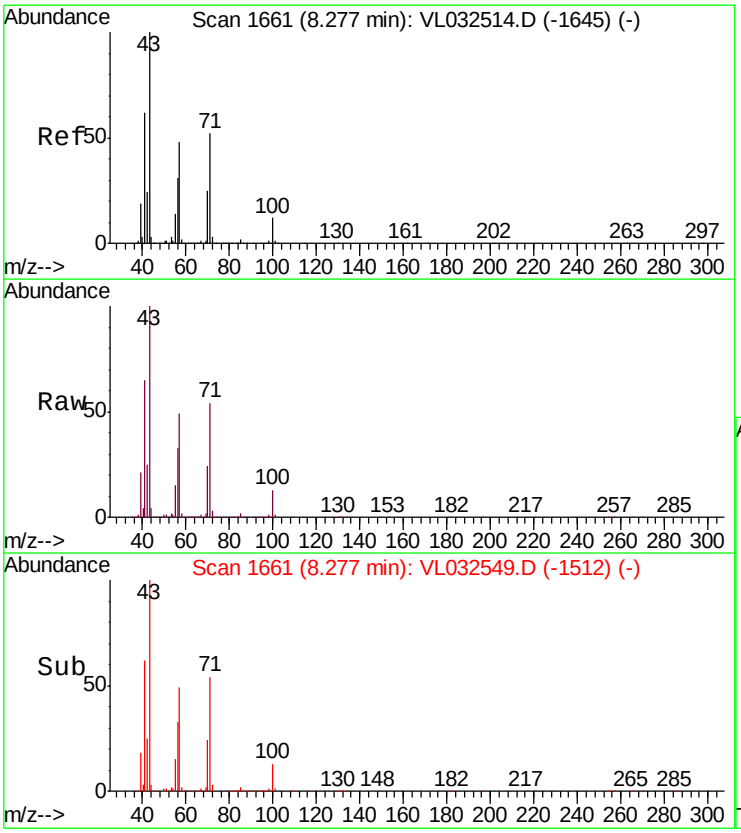
#9
Propene
Concen: 9.481 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 510121

Ion	Ratio	Lower	Upper
41	100		
42	69.7	56.6	84.8

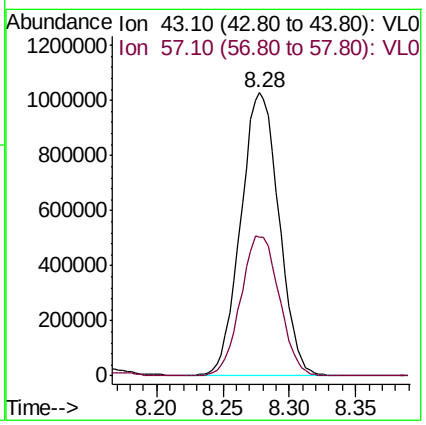


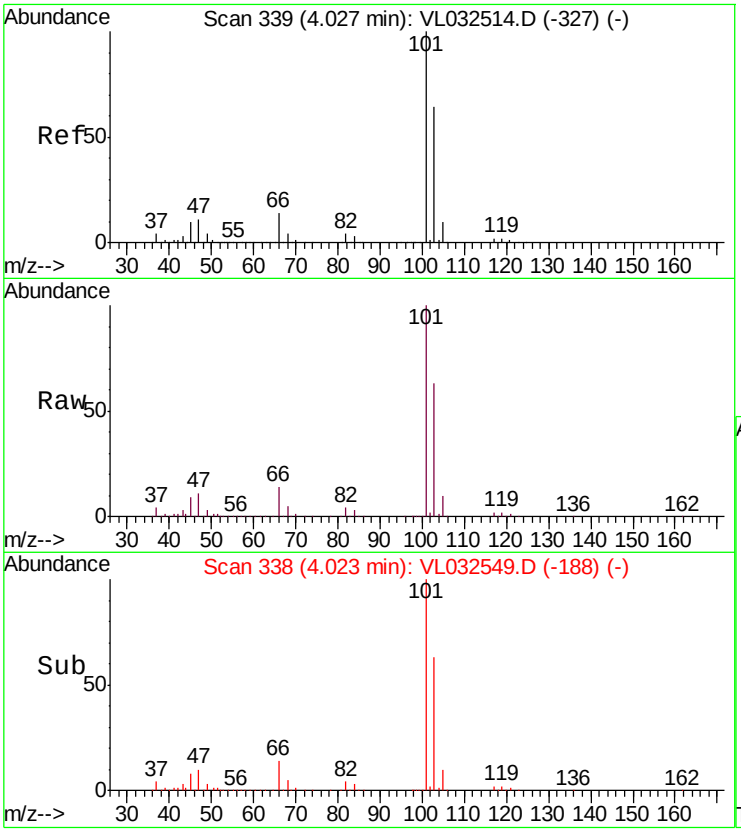


#10
Heptane
Concen: 10.369 ppbv
RT: 8.28 min Scan# 1661
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 43 Resp: 2046374

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.6	59.4



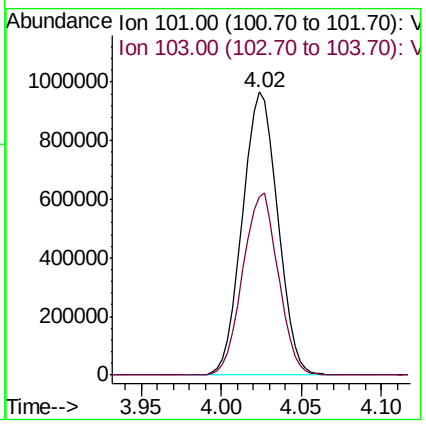


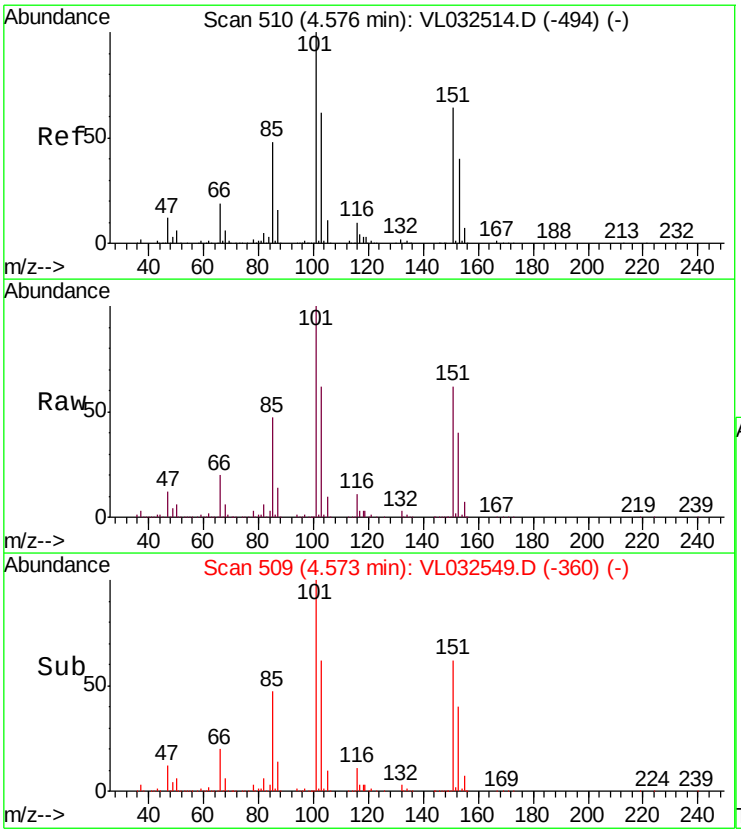
#11
Trichlorofluoromethane
Concen: 8.895 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1458459

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.8	79.2

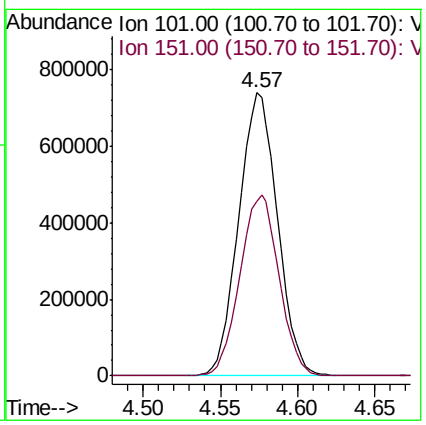


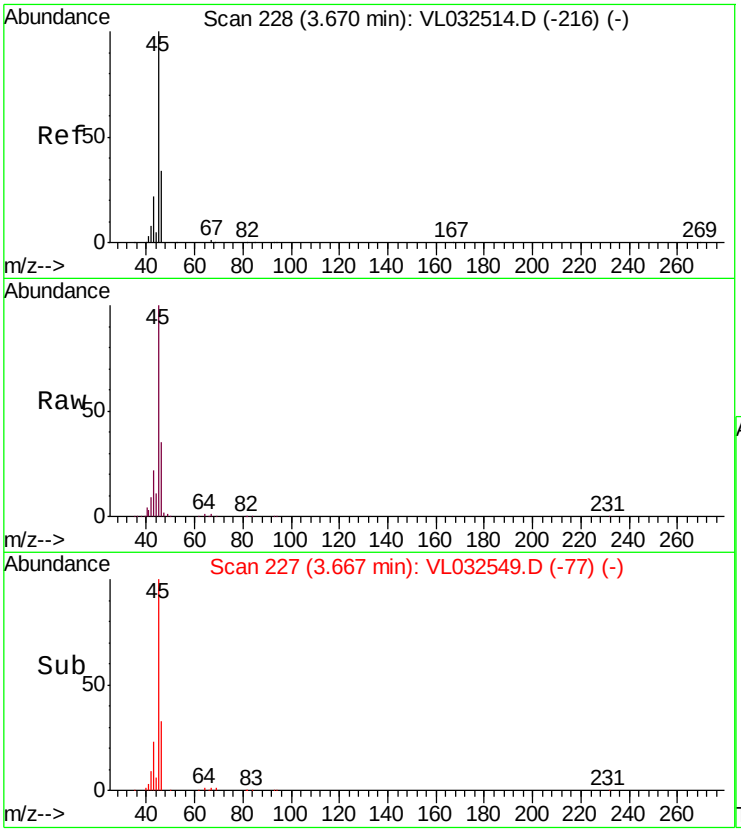


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.612 ppbv
RT: 4.57 min Scan# 509
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:101 Resp: 1288361

Ion	Ratio	Lower	Upper
101	100		
151	64.9	52.6	78.8



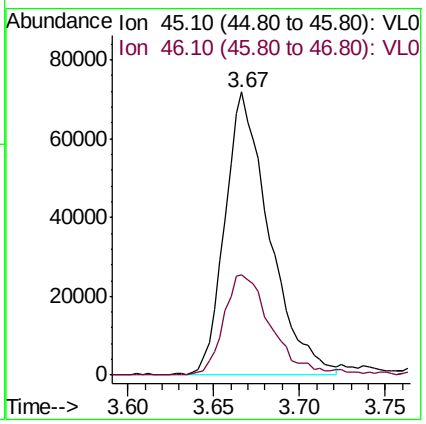


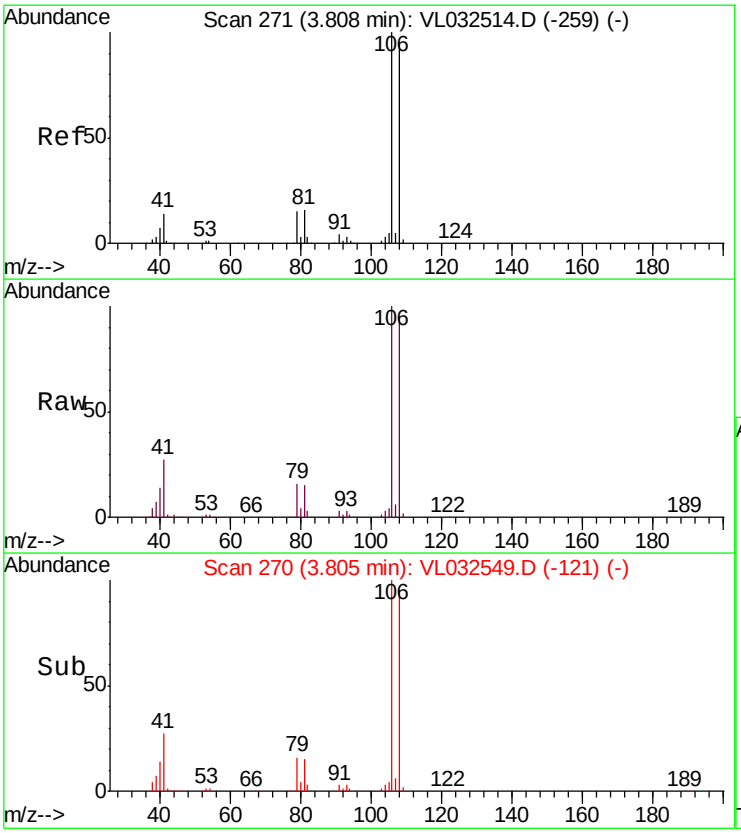
#13
Ethanol
Concen: 7.927 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 128215

Ion	Ratio	Lower	Upper
45	100		
46	40.0	14.2	56.8

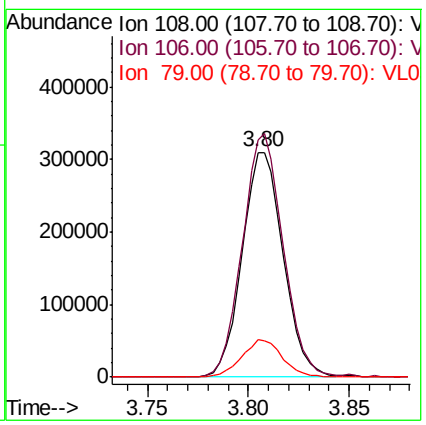


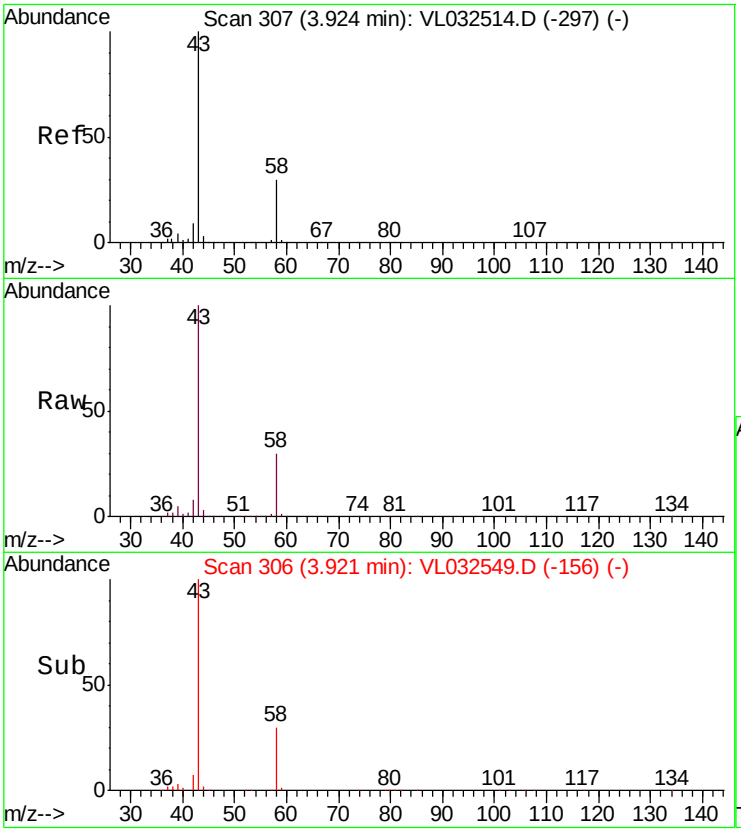


#14
Bromoethene
Concen: 9.312 ppbv
RT: 3.80 min Scan# 270
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:108 Resp: 442874

Ion	Ratio	Lower	Upper
108	100		
106	108.0	85.5	128.3
79	16.6	13.0	19.6



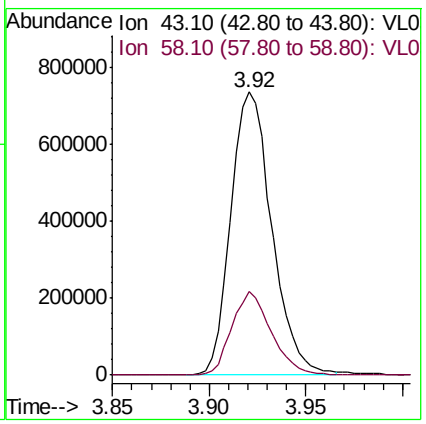


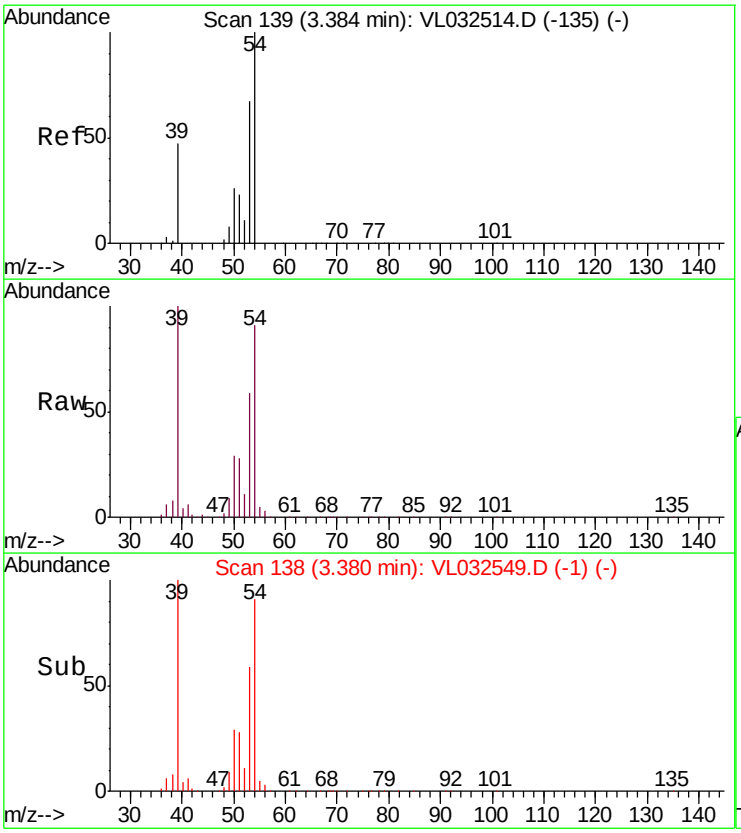
#15
Acetone
Concen: 8.299 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1086412

Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.6	33.8

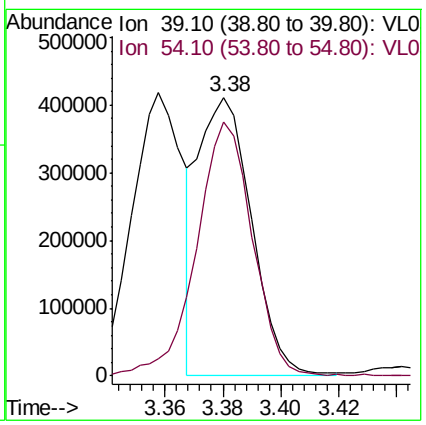


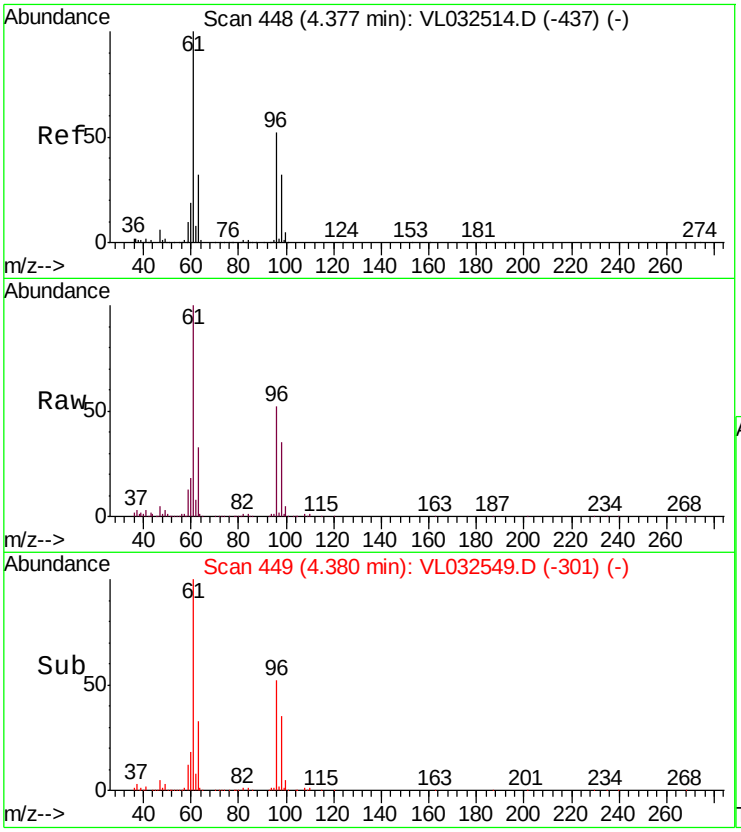


#16
1,3-Butadiene
Concen: 9.816 ppbv
RT: 3.38 min Scan# 138
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 39 Resp: 521101

Ion	Ratio	Lower	Upper
39	100		
54	97.0	80.8	121.2



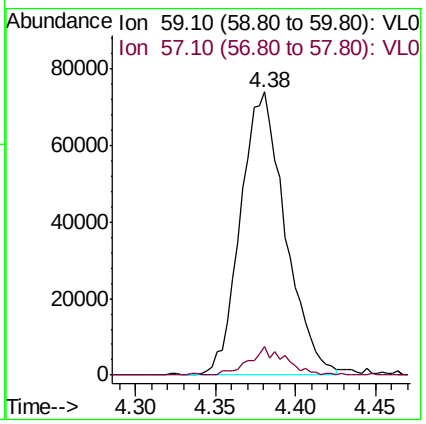


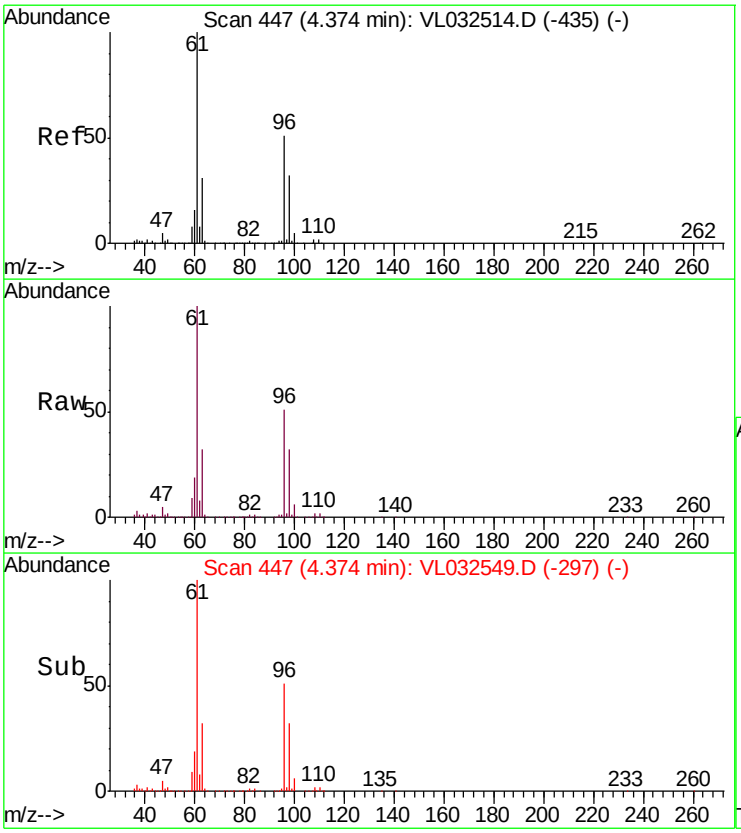
#17
tert-Butyl alcohol
Concen: 8.605 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 141552

Ion	Ratio	Lower	Upper
59	100		
57	8.4	0.0	0.0#

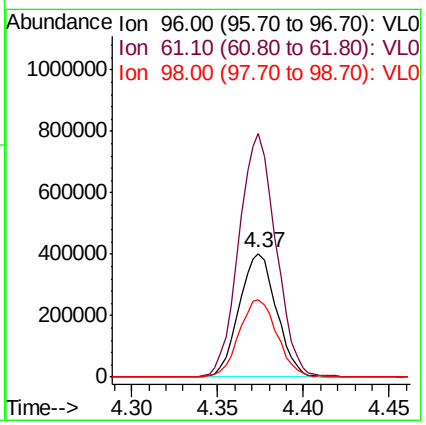


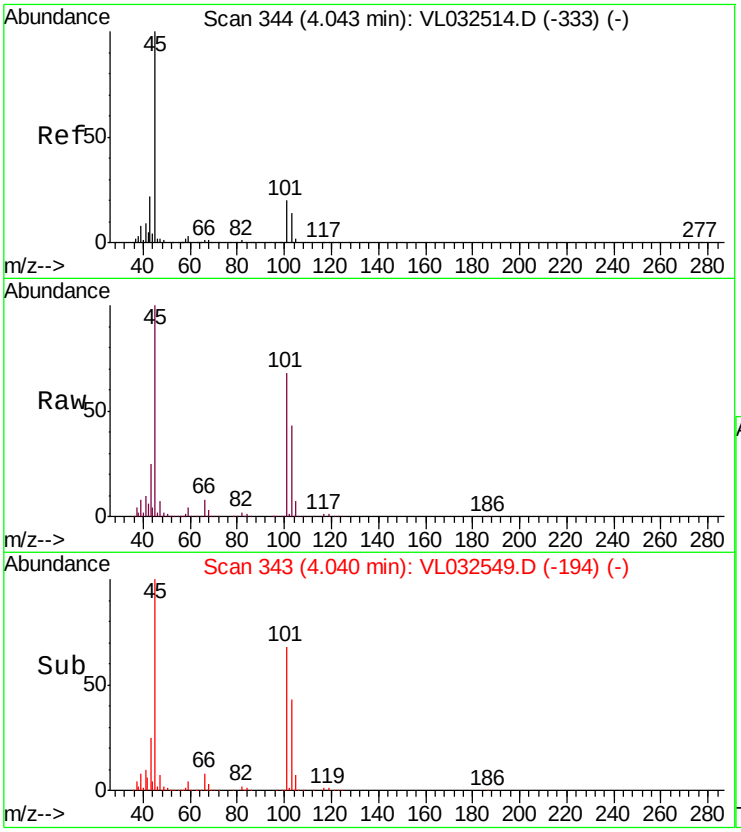


#18
1,1-Dichloroethene
Concen: 9.666 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 96 Resp: 606740

Ion	Ratio	Lower	Upper
96	100		
61	197.2	159.2	238.8
98	62.4	51.0	76.4



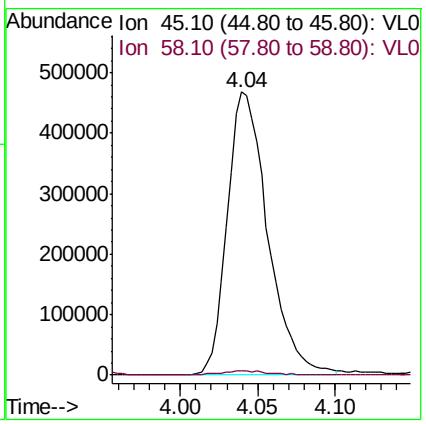


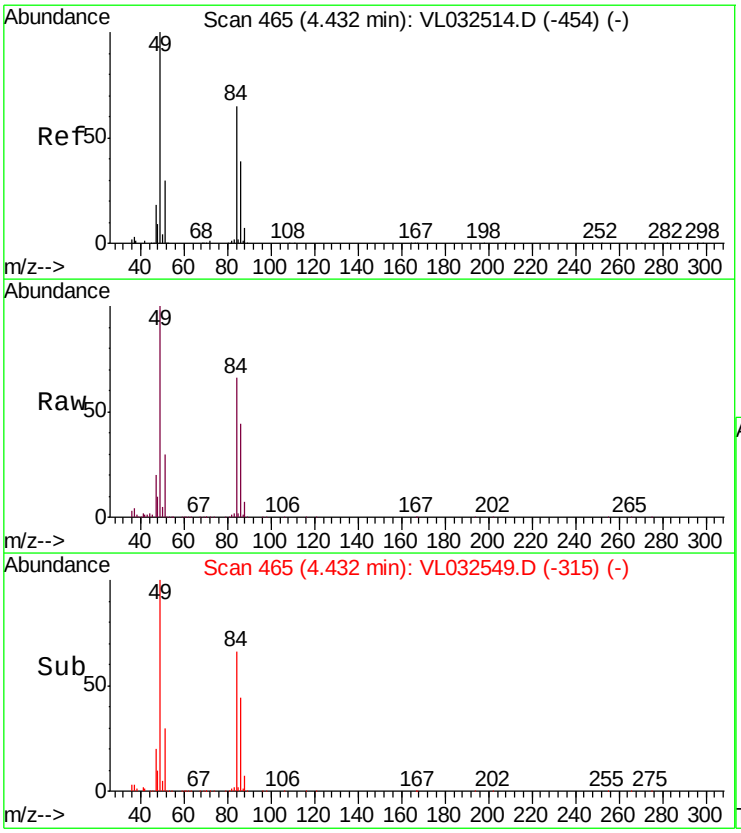
#19
Isopropyl Alcohol
Concen: 9.277 ppbv
RT: 4.04 min Scan# 343
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 845833

Ion	Ratio	Lower	Upper
45	100		
58	1.9	2.0	3.0#

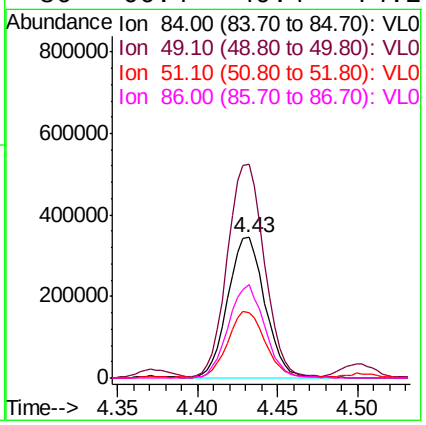


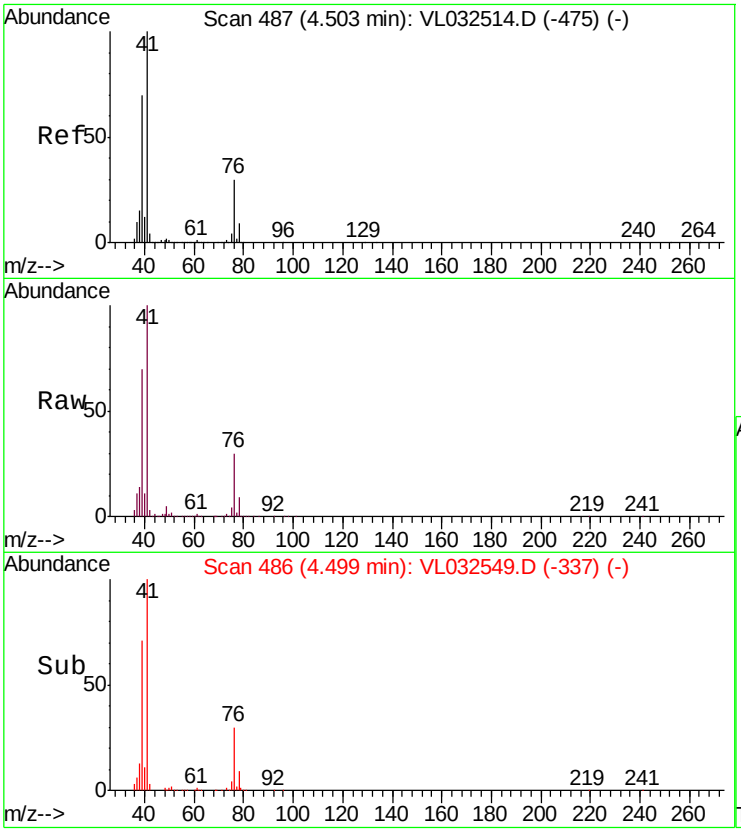


#20
Methylene Chloride
Concen: 8.505 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 84 Resp: 539109

Ion	Ratio	Lower	Upper
84	100		
49	151.4	119.1	178.7
51	45.8	35.2	52.8
86	66.4	49.4	74.2



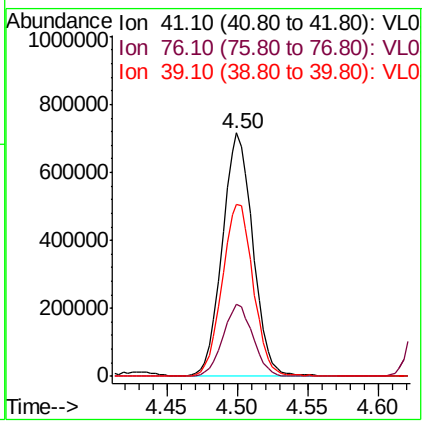


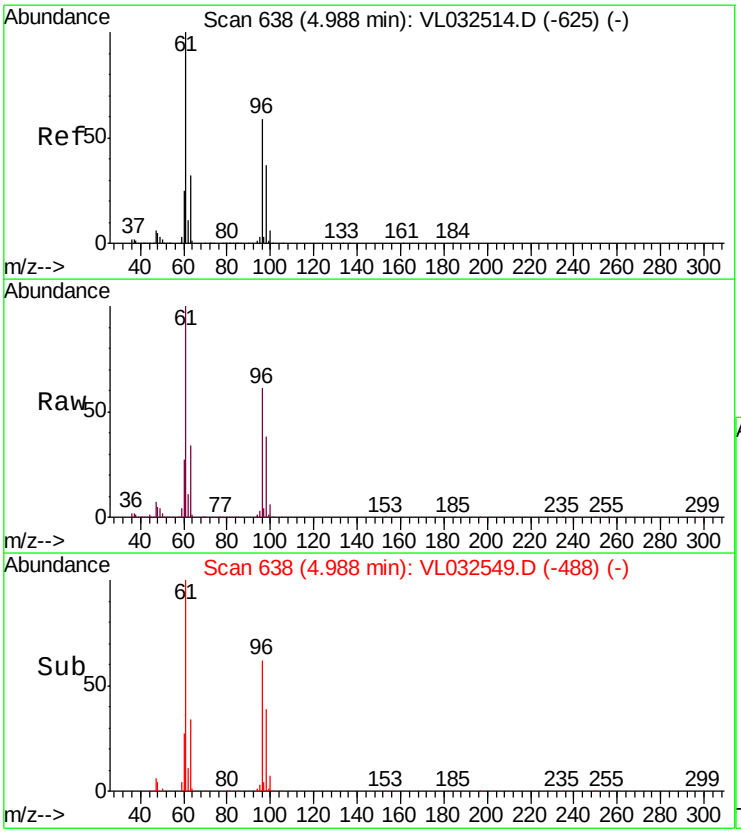
#21
Allyl Chloride
Concen: 10.048 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1075008

Ion	Ratio	Lower	Upper
41	100		
76	29.3	23.6	35.4
39	72.2	57.7	86.5

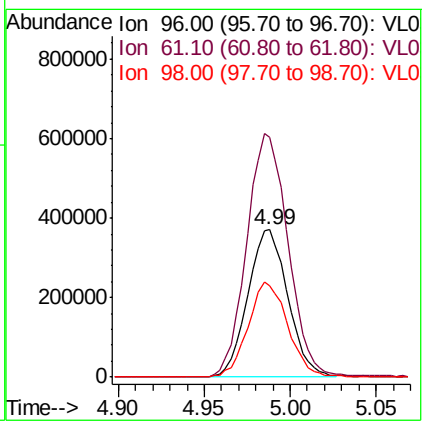


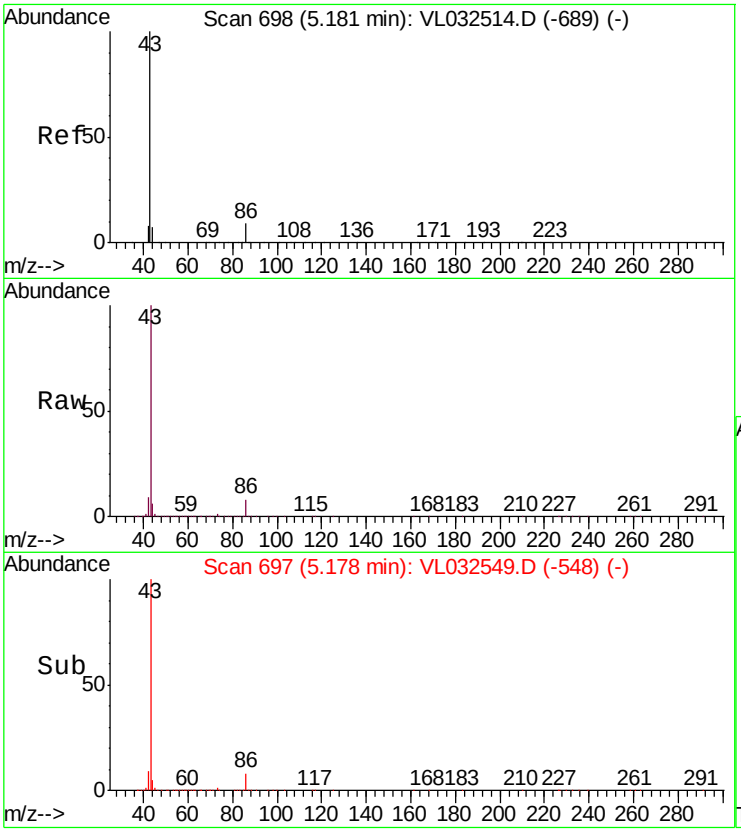


#22
trans-1,2-Dichloroethene
Concen: 10.109 ppbv
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 96 Resp: 598032

Ion	Ratio	Lower	Upper
96	100		
61	162.6	136.2	204.4
98	62.2	50.4	75.6



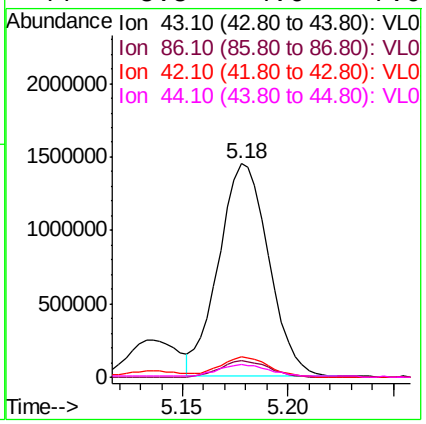


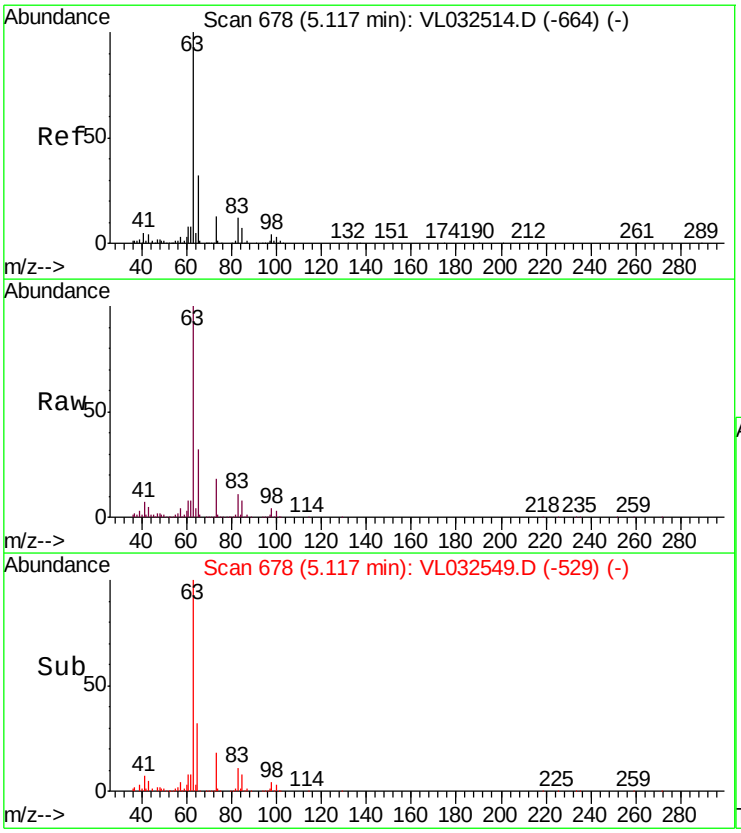
#23
Vinyl Acetate
Concen: 10.271 ppbv
RT: 5.18 min Scan# 697
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2375892

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.9	8.9
42	9.3	6.9	10.3
44	5.5	4.6	7.0

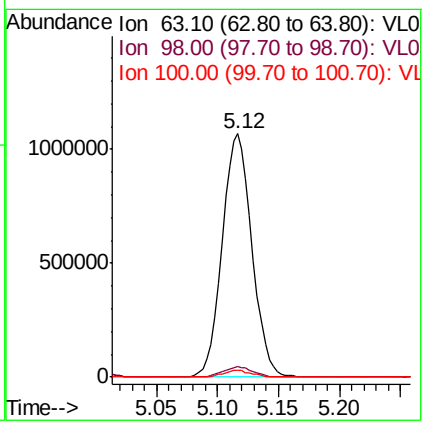


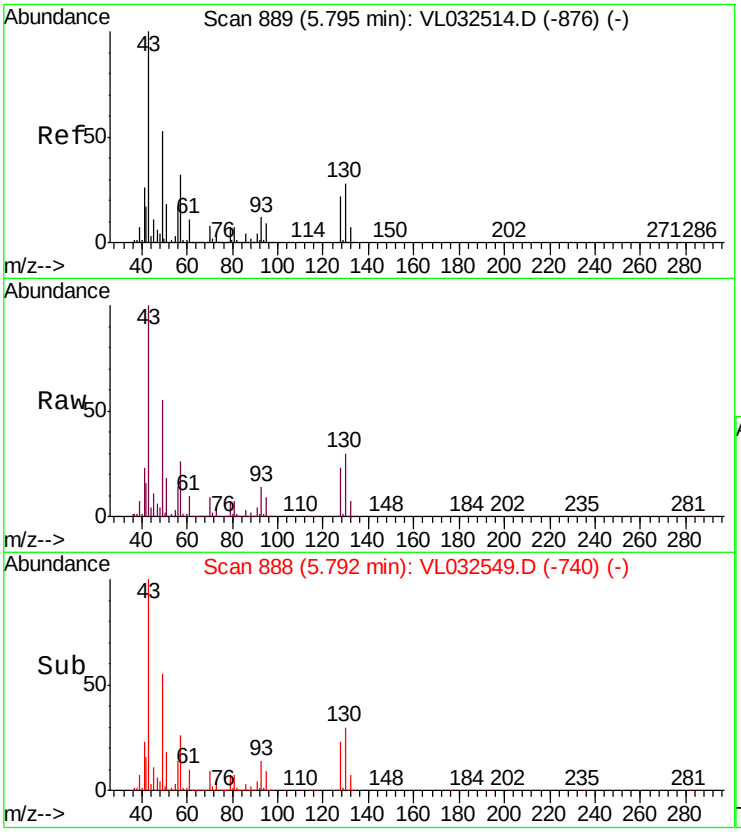


#24
1,1-Dichloroethane
Concen: 9.403 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 63 Resp: 1811222

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.7	1.5	4.4



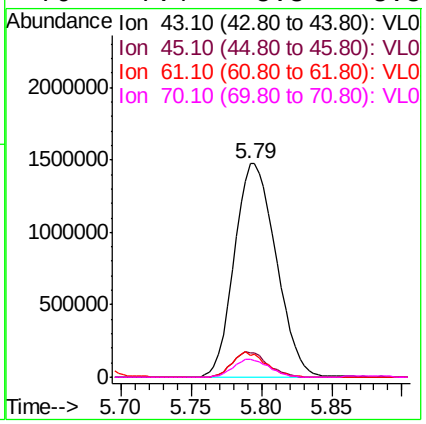


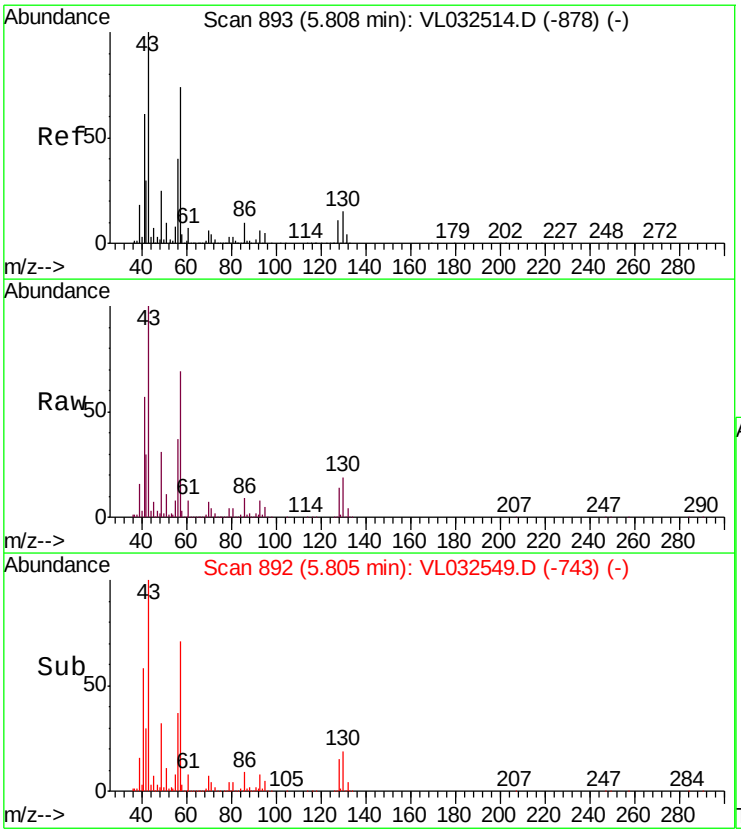
#25
Ethyl Acetate
Concen: 9.611 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3052782

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.9	7.6	11.4
70	7.4	5.8	8.8

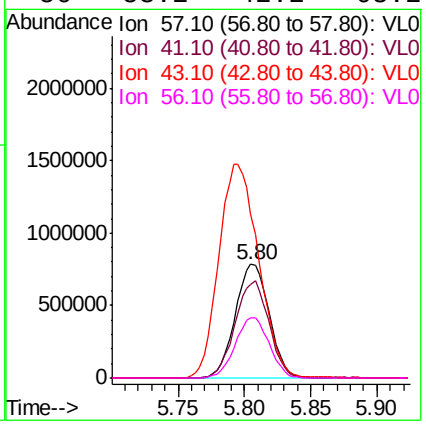


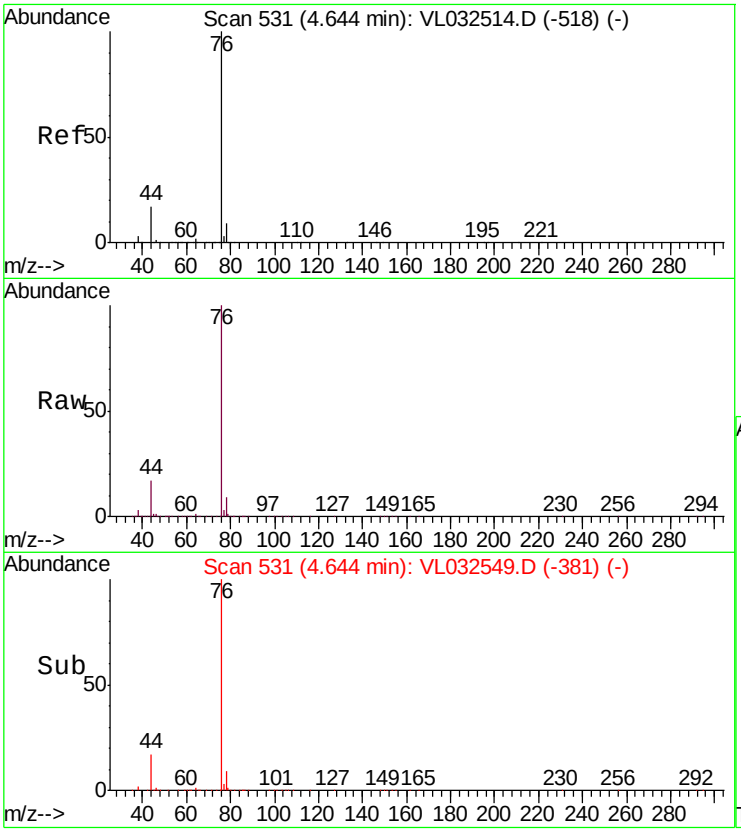


#26
Hexane
Concen: 9.706 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 57 Resp: 1392482

Ion	Ratio	Lower	Upper
57	100		
41	85.6	69.0	103.4
43	220.3	172.1	258.1
56	53.2	42.2	63.2



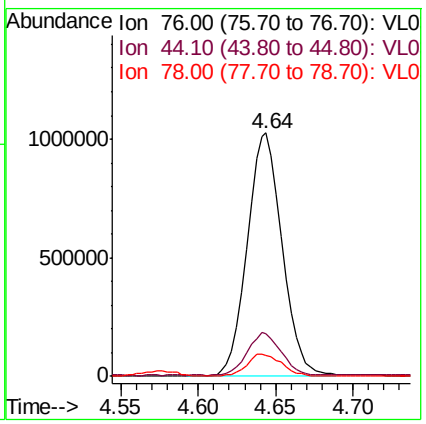


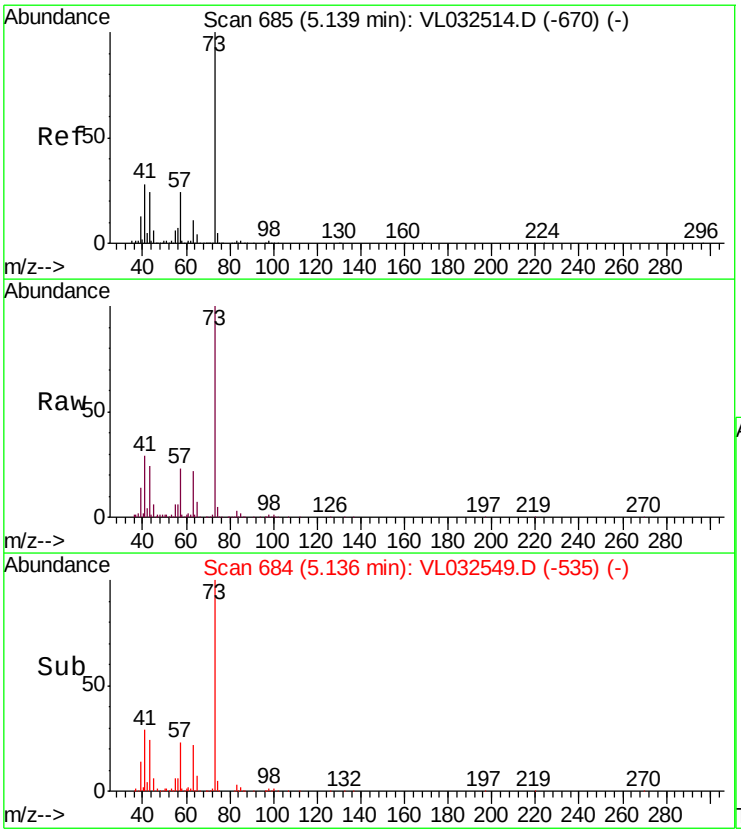
#27
Carbon Disulfide
Concen: 10.477 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1615912

Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.0	21.0
78	9.5	7.5	11.3

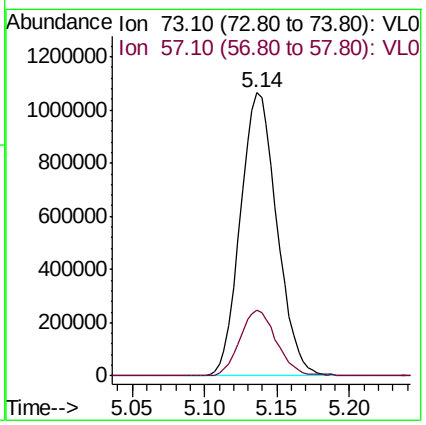


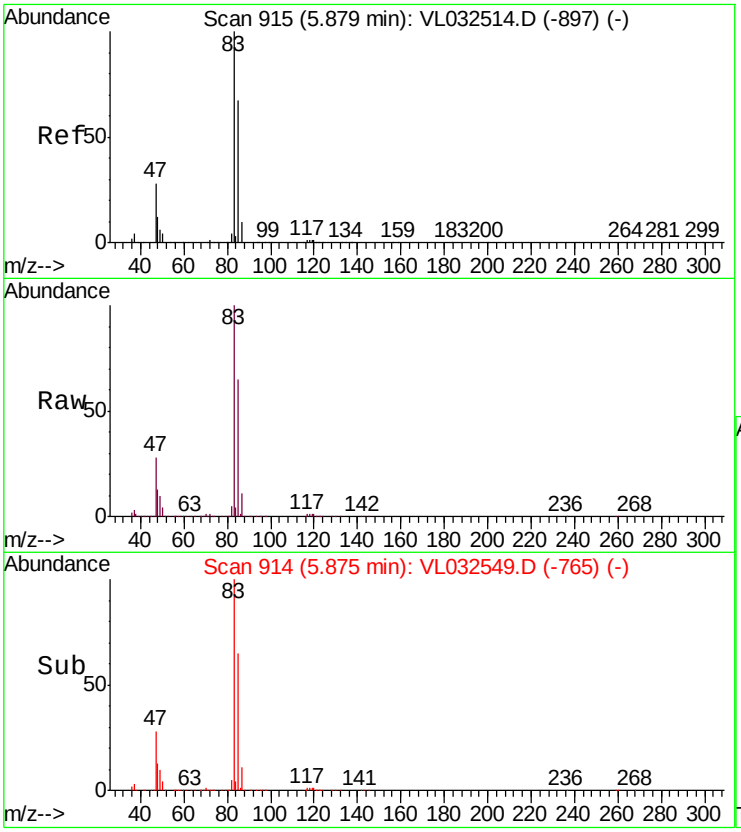


#28
Methyl tert-Butyl Ether
Concen: 10.456 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 73 Resp: 1868669

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9



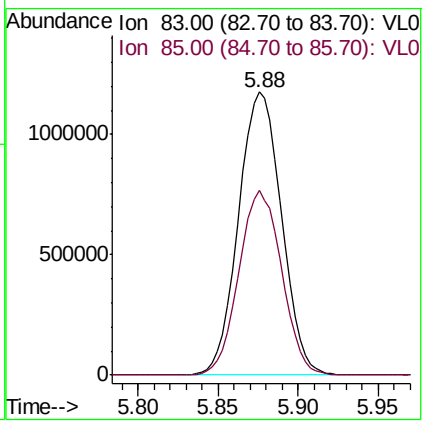


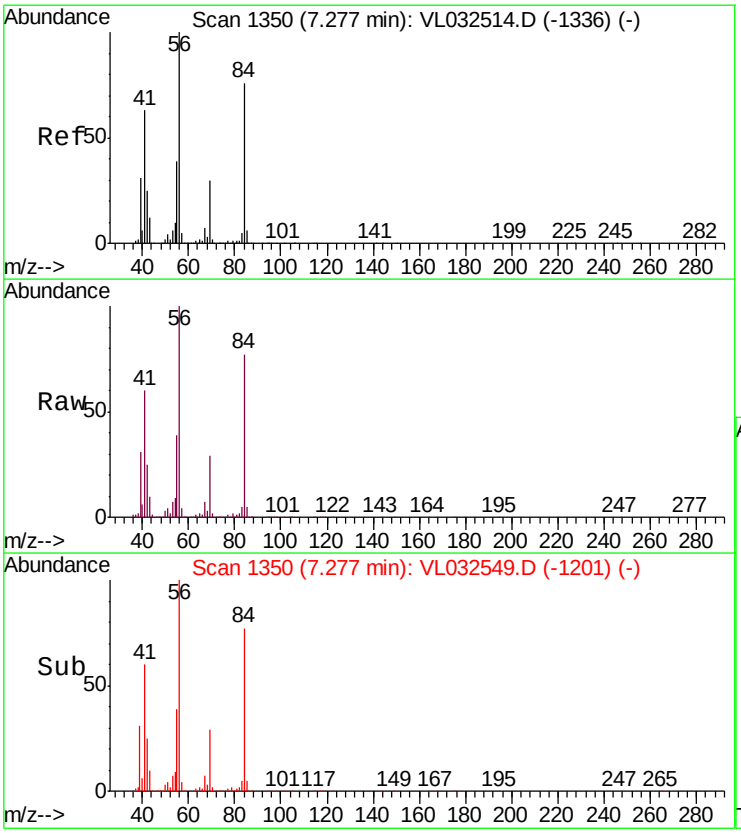
#29
Chloroform
Concen: 9.800 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2157457

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7

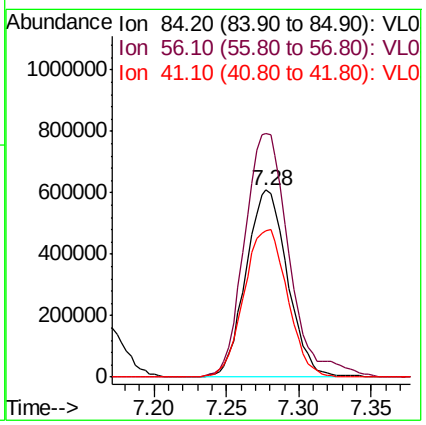


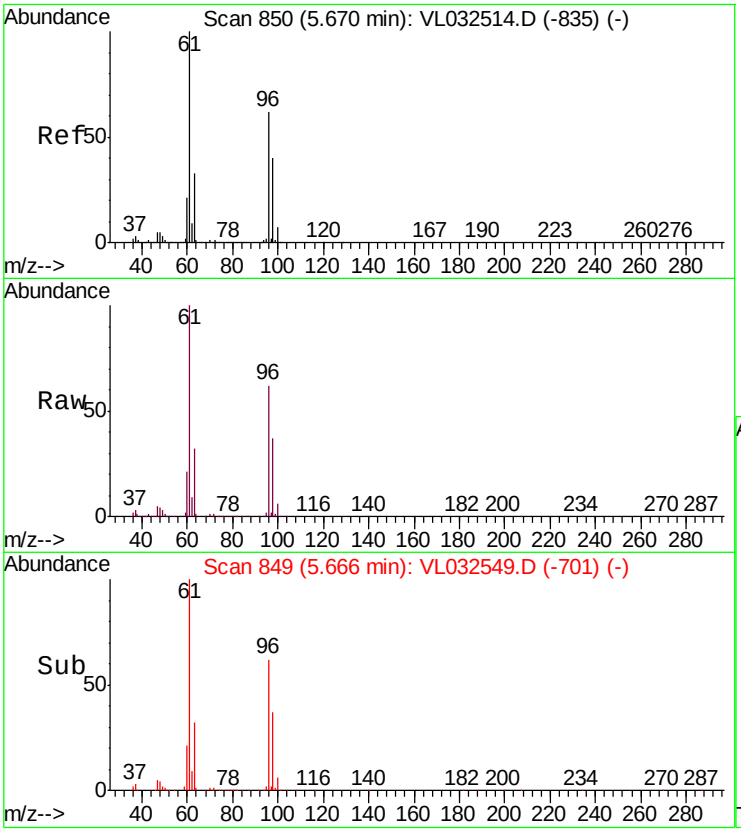


#30
Cyclohexane
Concen: 10.386 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 84 Resp: 1213362

Ion	Ratio	Lower	Upper
84	100		
56	140.3	113.5	170.3
41	82.8	68.1	102.1



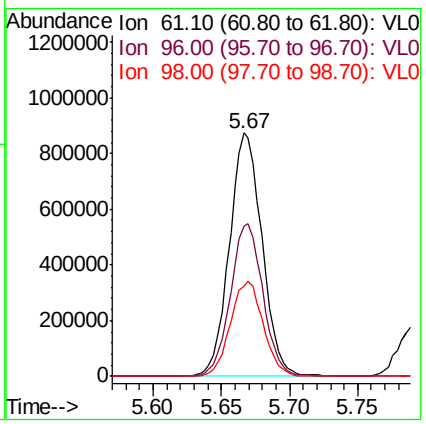


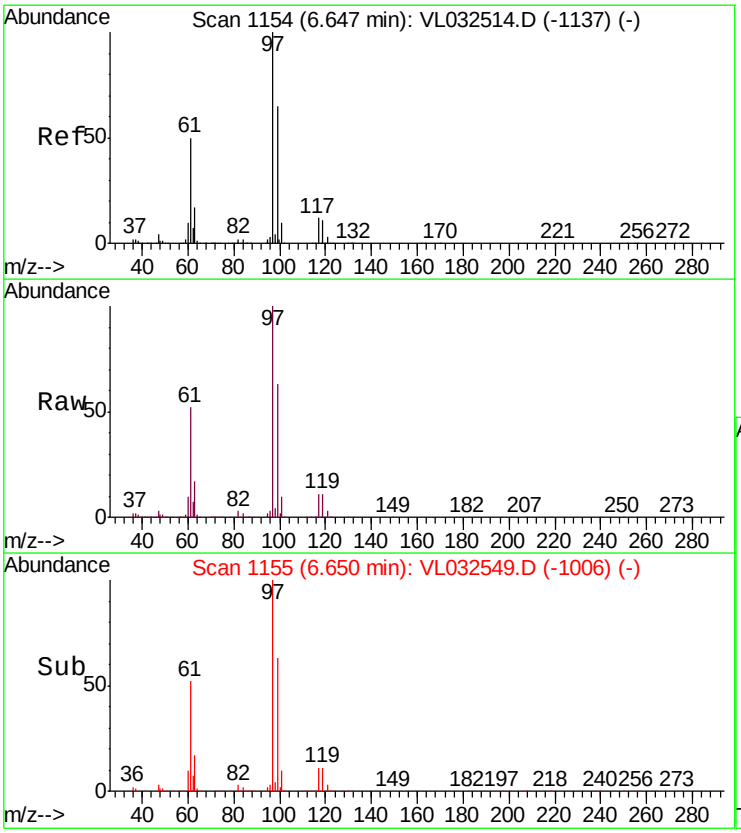
#31
cis-1,2-Dichloroethene
Concen: 10.591 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1447198

Ion	Ratio	Lower	Upper
61	100		
96	61.8	49.2	73.8
98	37.0	30.7	46.1

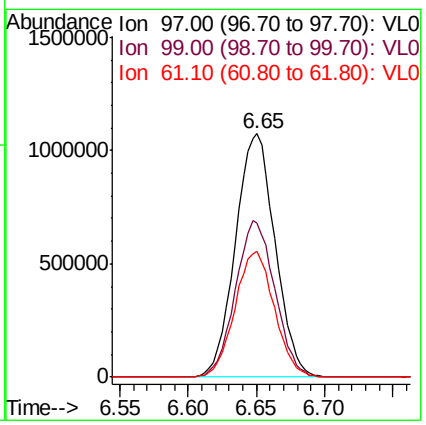


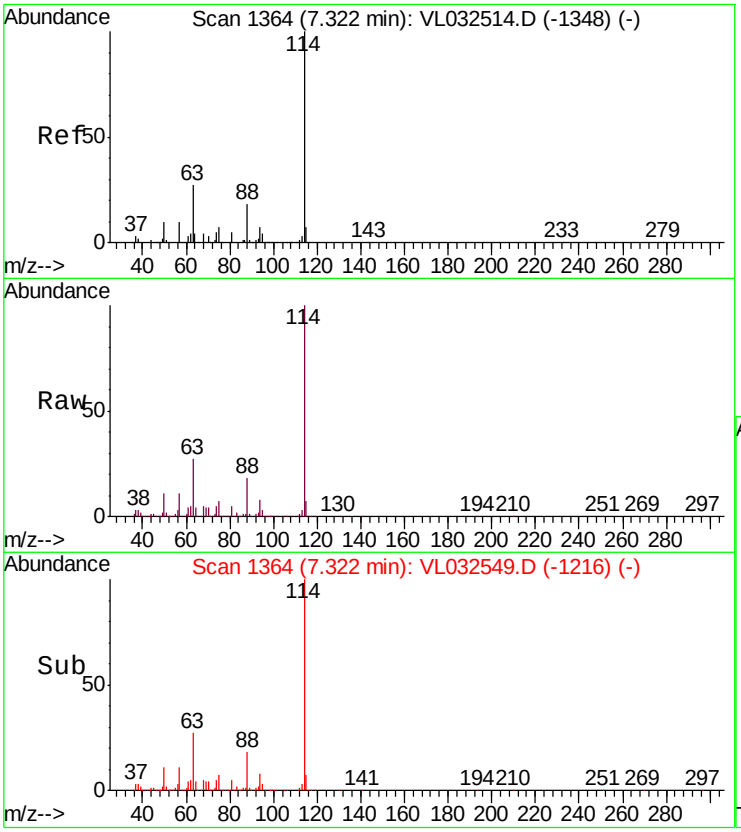


#32
1,1,1-Trichloroethane
Concen: 9.243 ppbv
RT: 6.65 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 97 Resp: 2168338

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	51.3	42.5	63.7



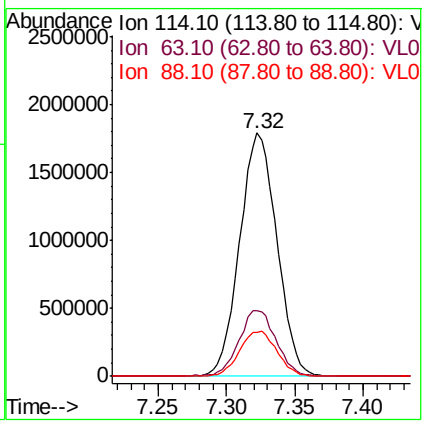


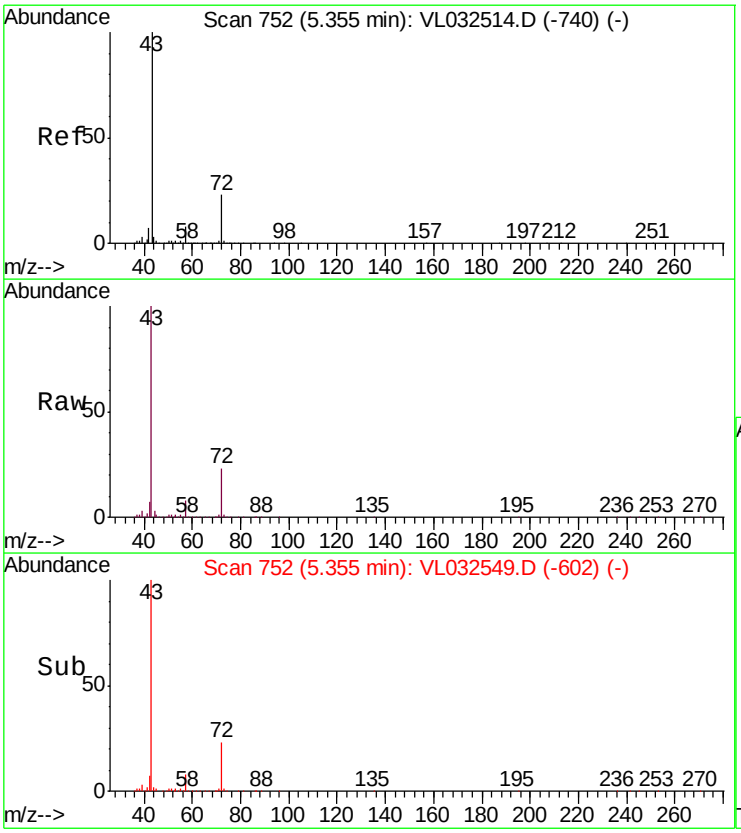
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3388237

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.7	15.0	22.4

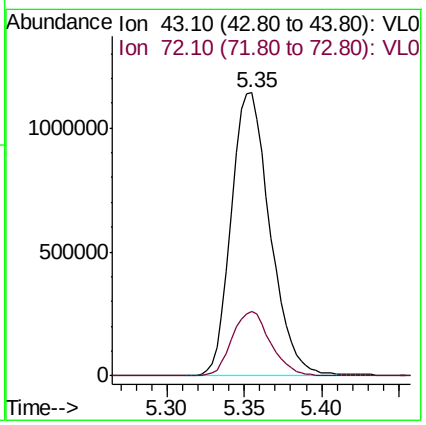


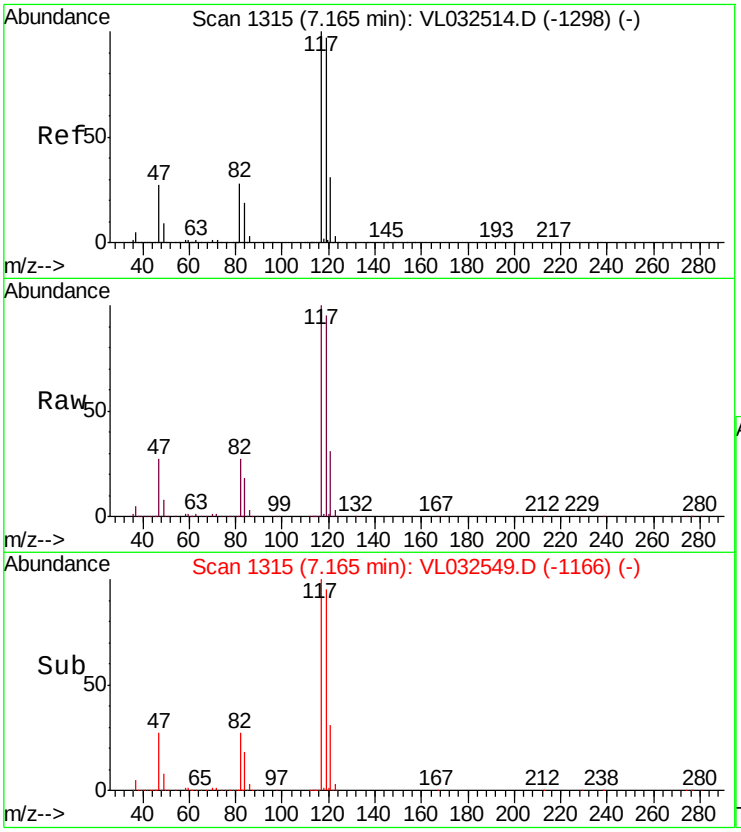


#34
2-Butanone
Concen: 9.820 ppbv
RT: 5.35 min Scan# 752
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 43 Resp: 1981417

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.6



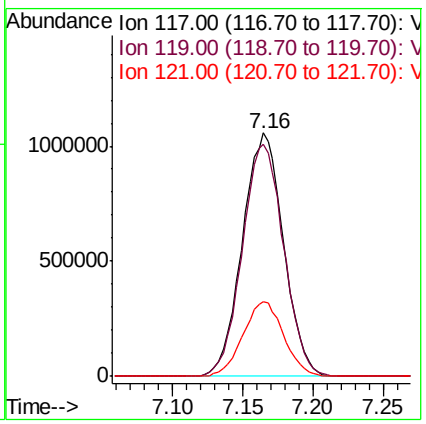


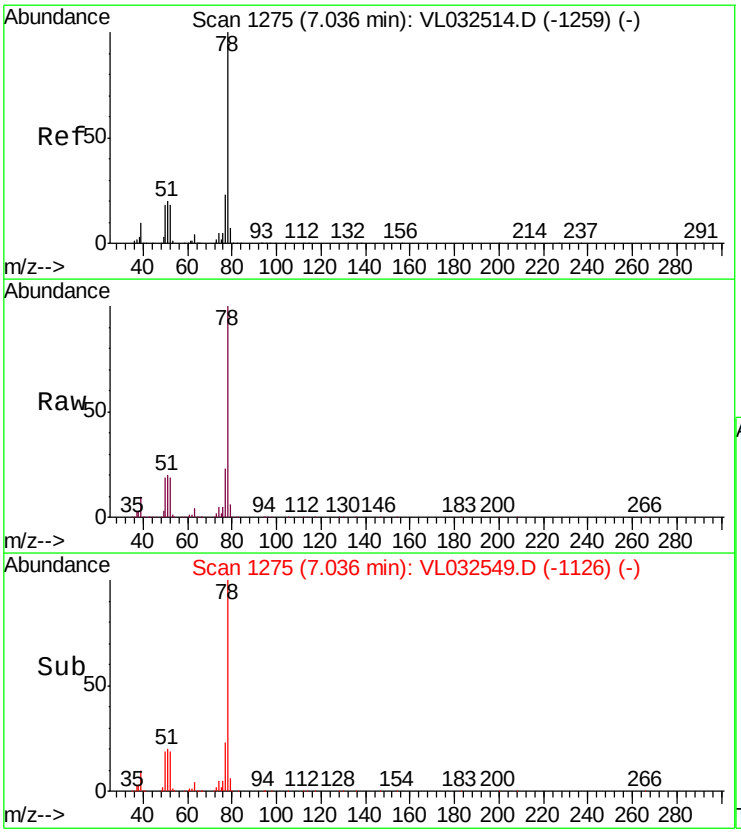
#35
Carbon Tetrachloride
Concen: 9.165 ppbv
RT: 7.16 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2157795

Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	115.0
121	30.9	24.6	36.8

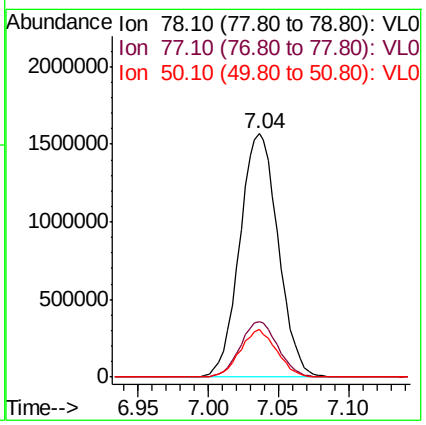


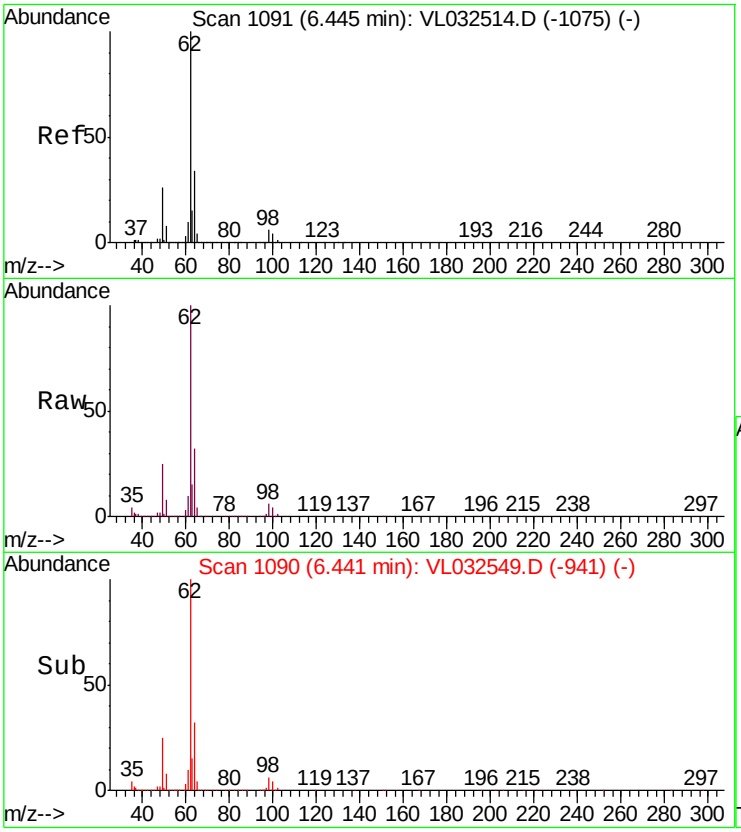


#36
Benzene
Concen: 10.934 ppbv
RT: 7.04 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 78 Resp: 2993937

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.4	27.6
50	19.4	14.4	21.6



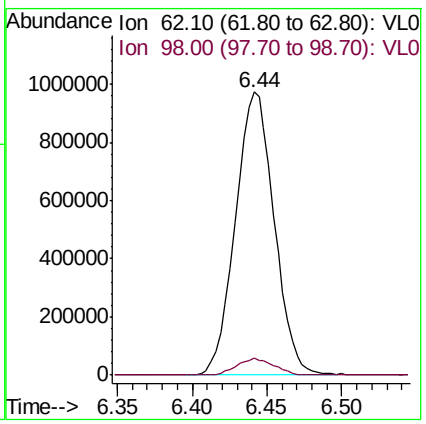


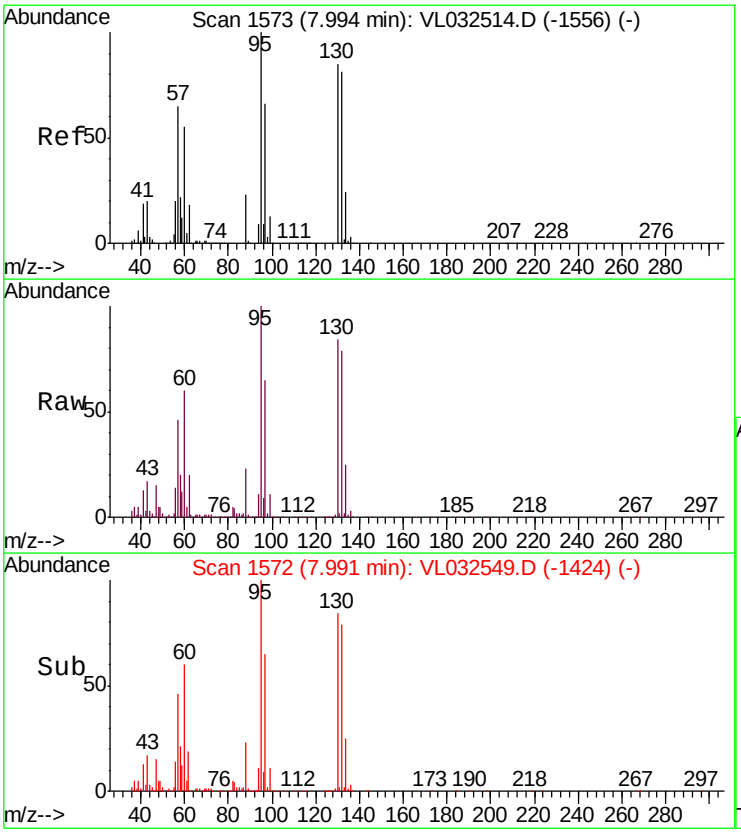
#37
1,2-Dichloroethane
Concen: 10.613 ppbv
RT: 6.44 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1751405

Ion	Ratio	Lower	Upper
62	100		
98	5.9	5.0	7.6

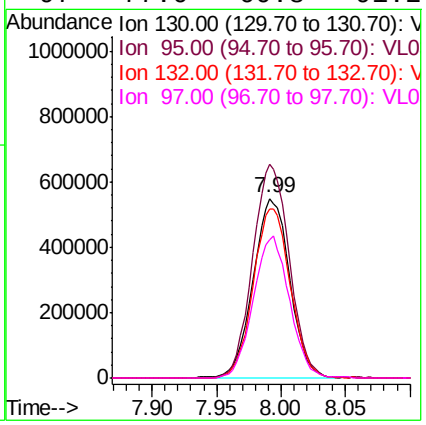


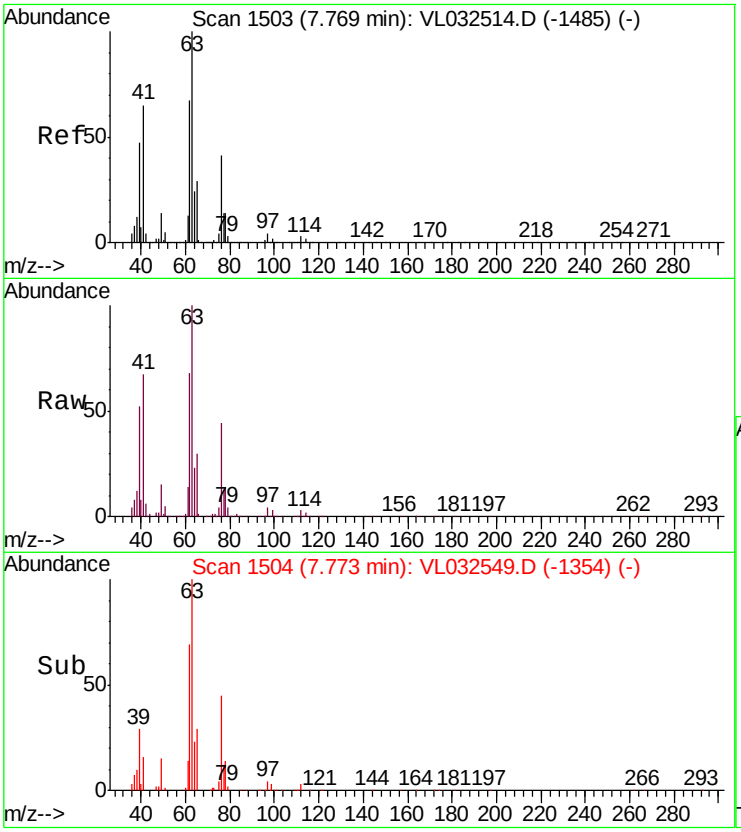


#38
Trichloroethene
Concen: 10.334 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:130 Resp: 1083074

Ion	Ratio	Lower	Upper
130	100		
95	119.2	94.2	141.4
132	94.0	76.2	114.4
97	77.0	60.8	91.2



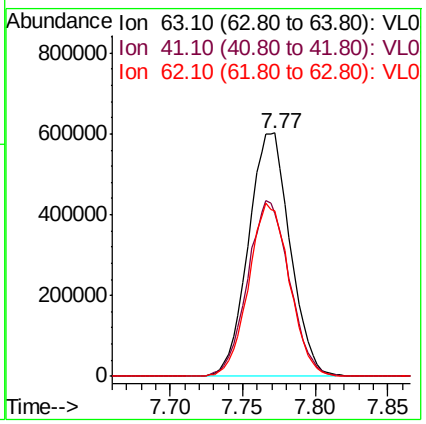


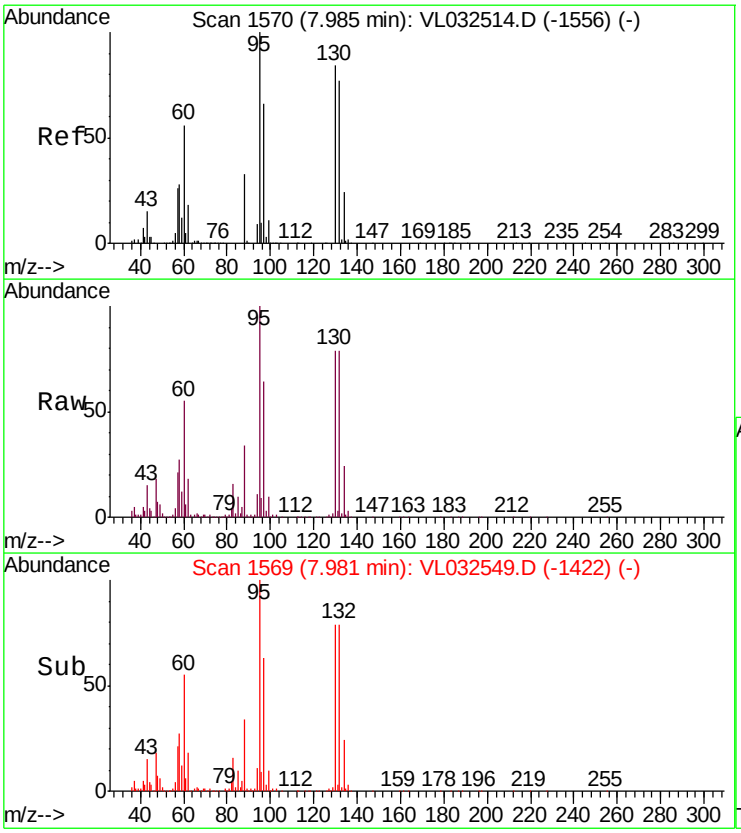
#39
1,2-Dichloropropane
Concen: 9.786 ppbv
RT: 7.77 min Scan# 1504
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 1207539

Ion	Ratio	Lower	Upper
63	100		
41	67.1	55.4	83.0
62	68.2	55.4	83.0

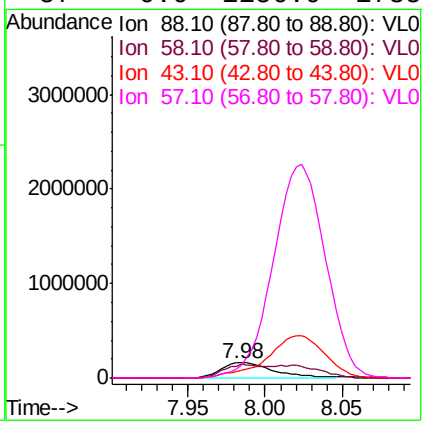


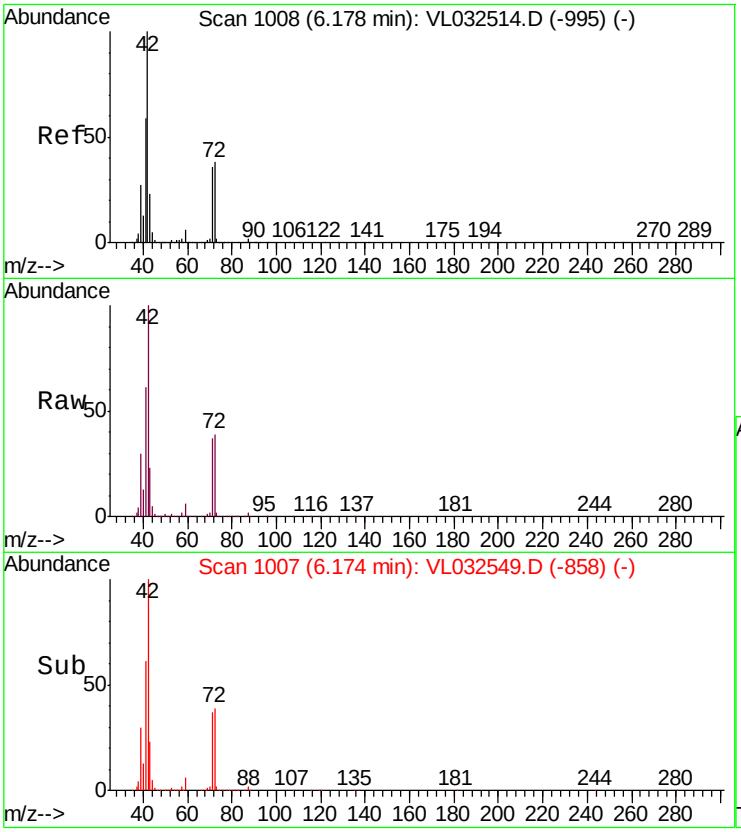


#40
1,4-Dioxane
Concen: 9.947 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 88 Resp: 376334

Ion	Ratio	Lower	Upper
88	100		
58	147.6	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#



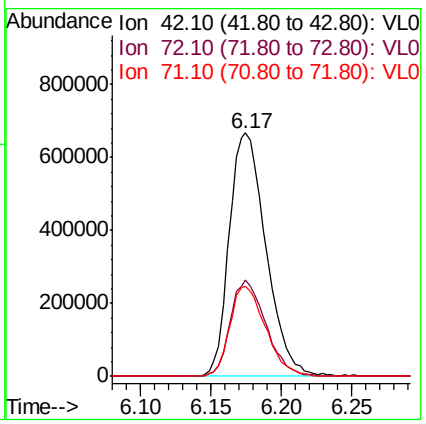


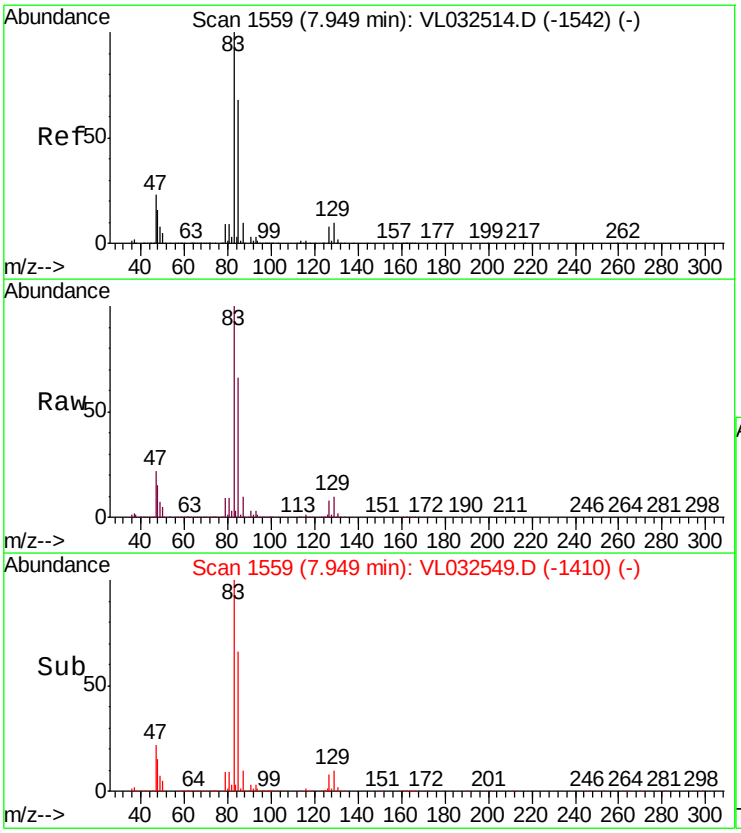
#41
Tetrahydrofuran
Concen: 11.129 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1220007

Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.5	44.3
71	36.2	28.3	42.5

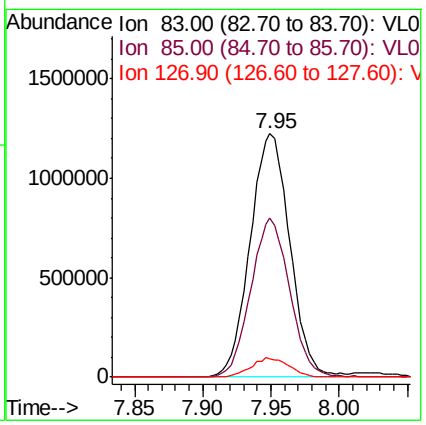


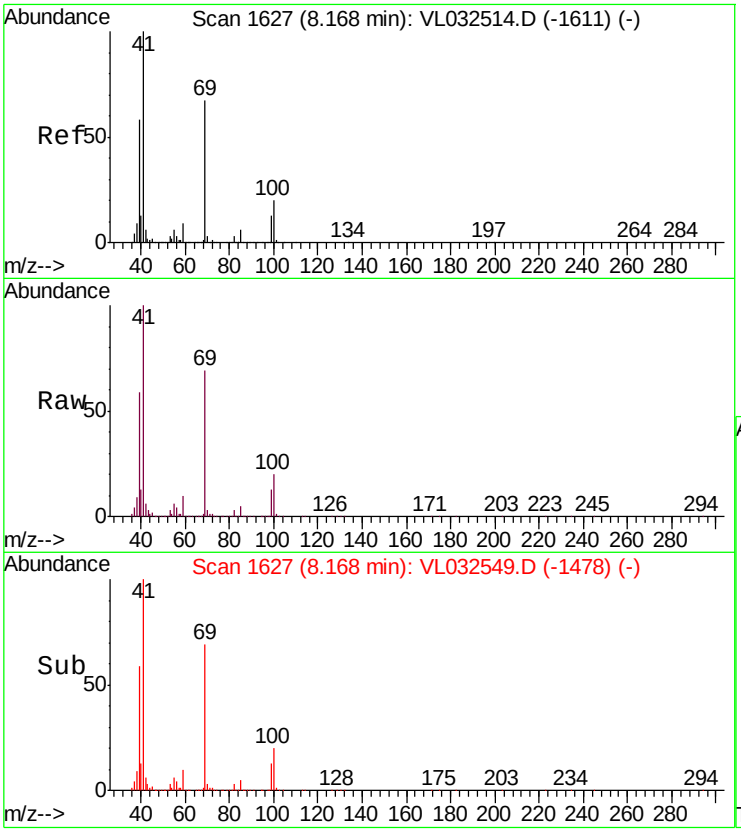


#42
Bromodichloromethane
Concen: 9.993 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 83 Resp: 2470503

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	7.7	5.8	8.8



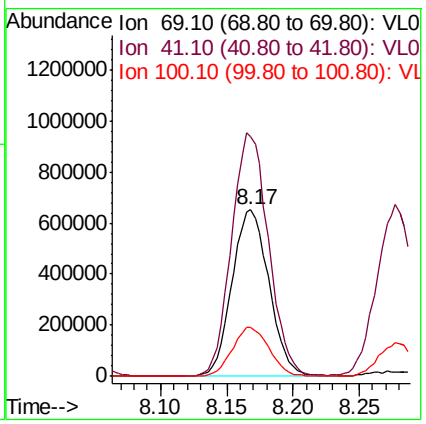


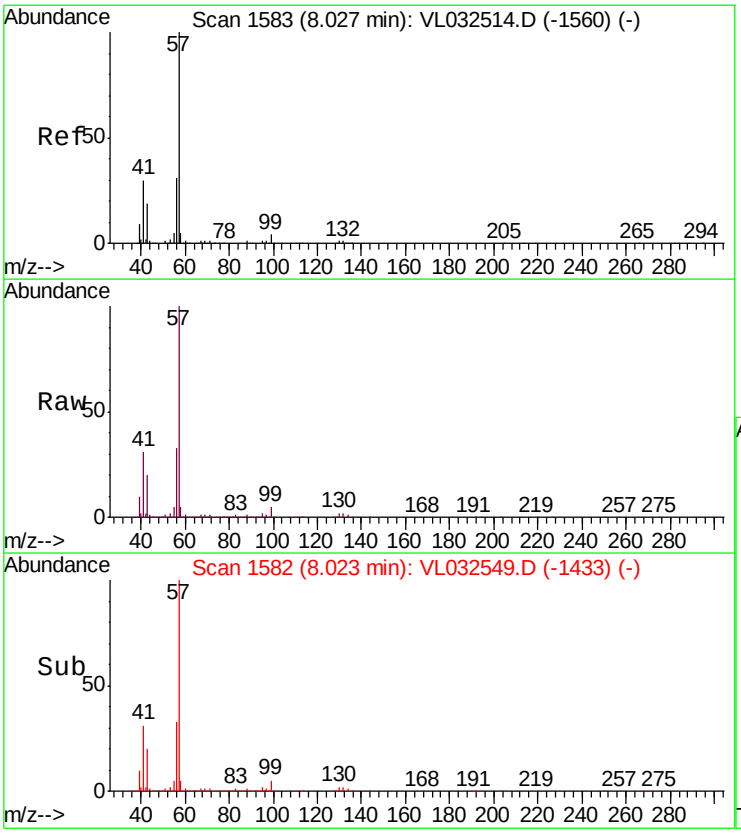
#43
Methyl Methacrylate
Concen: 11.027 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1261331

Ion	Ratio	Lower	Upper
69	100		
41	146.3	117.1	175.7
100	29.4	23.4	35.2

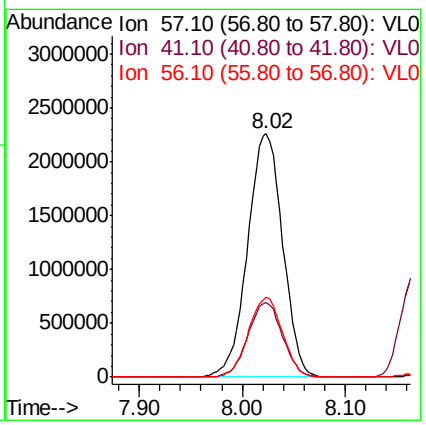


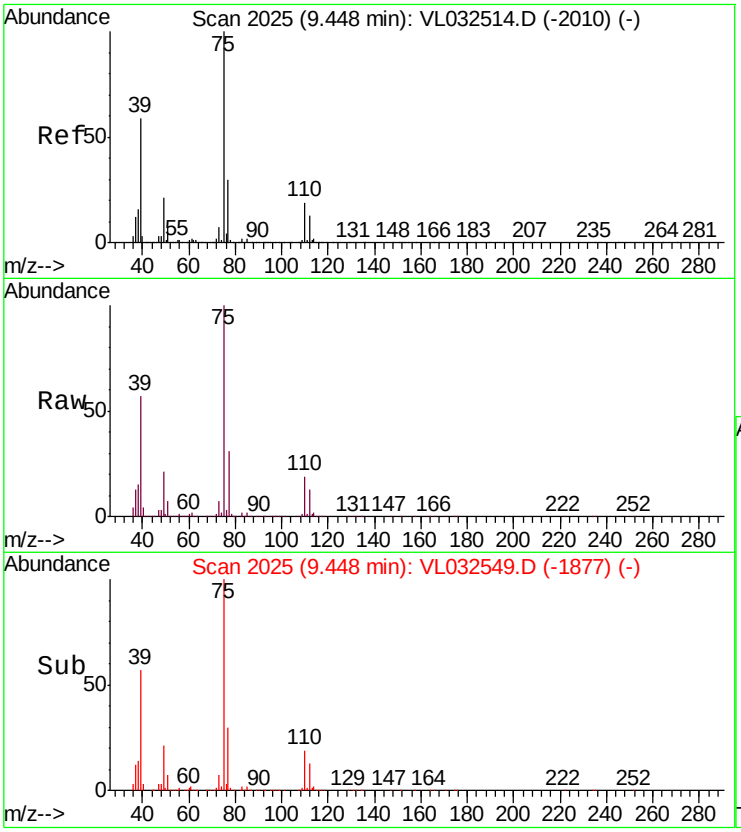


#44
2,2,4-Trimethylpentane
Concen: 9.948 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 57 Resp: 5323773

Ion	Ratio	Lower	Upper
57	100		
41	30.3	24.4	36.6
56	31.8	25.7	38.5



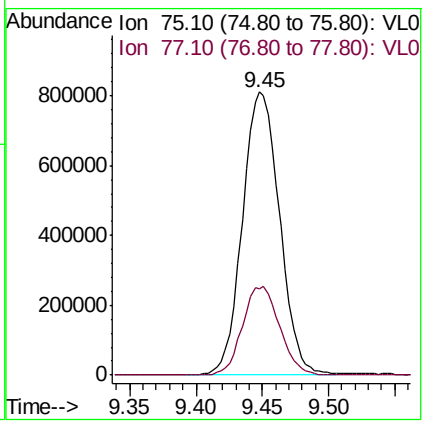


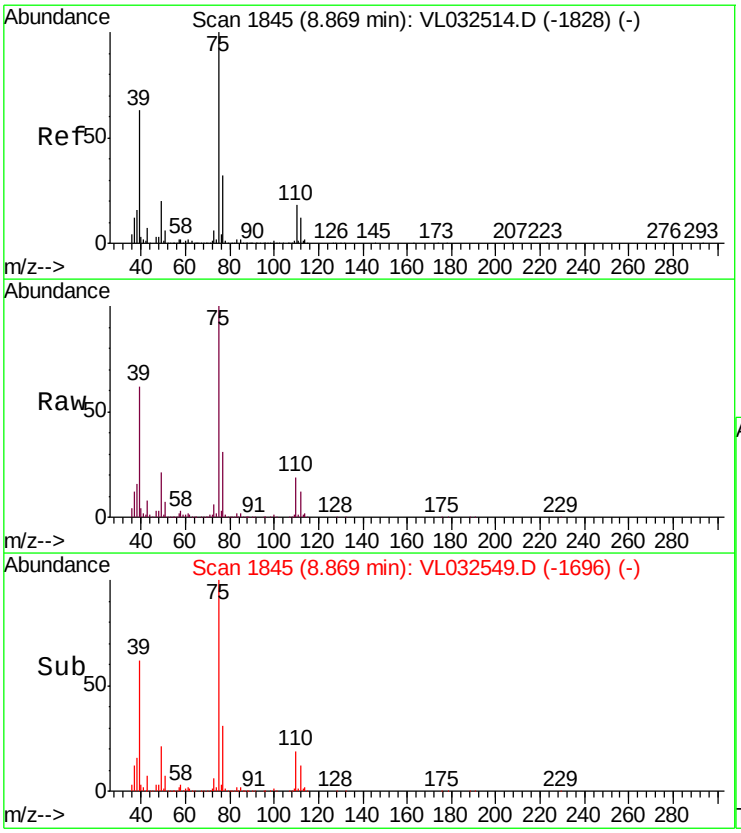
#45
t-1,3-Dichloropropene
Concen: 11.074 ppbv
RT: 9.45 min Scan# 2025
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1575702

Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.2	39.2

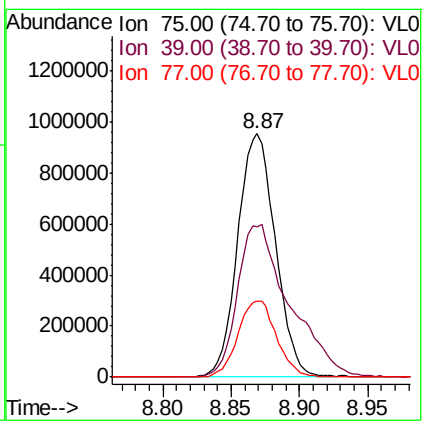


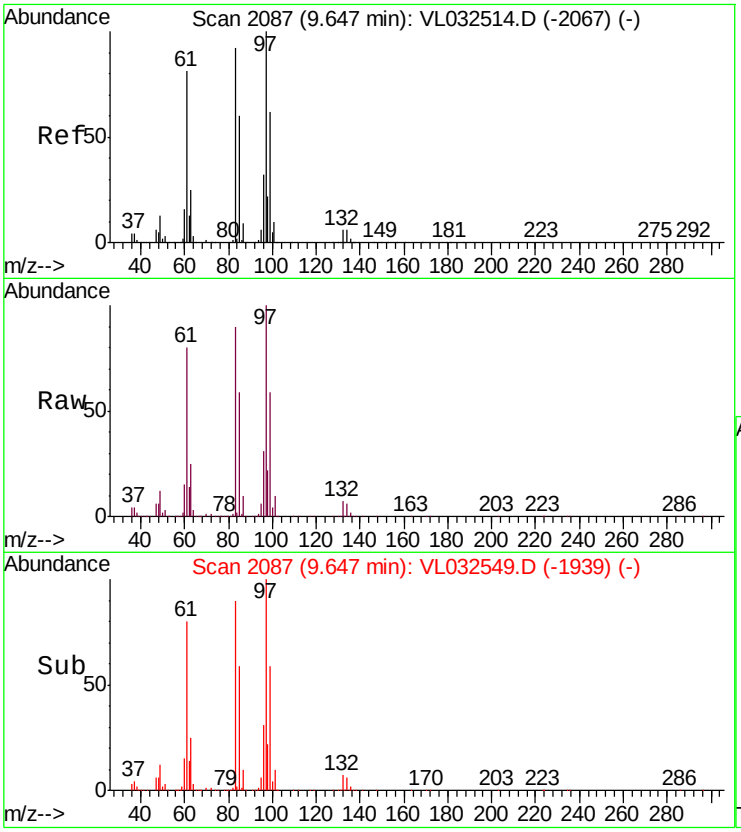


#46
cis-1,3-Dichloropropene
Concen: 10.995 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 75 Resp: 1835082

Ion	Ratio	Lower	Upper
75	100		
39	61.8	48.9	73.3
77	31.4	25.4	38.0



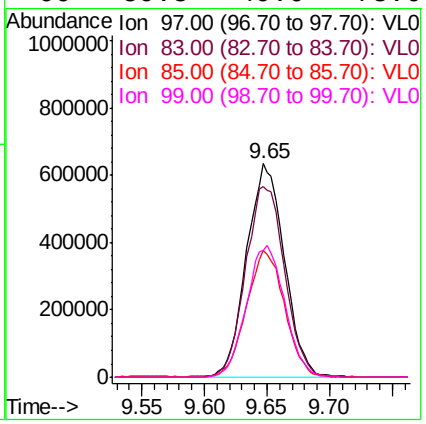


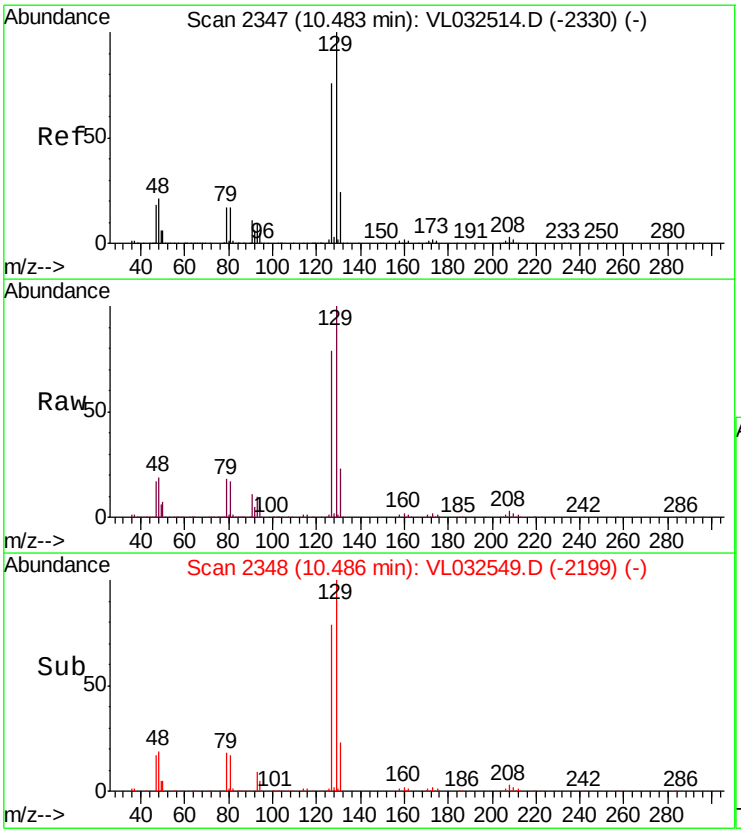
#47
1,1,2-Trichloroethane
Concen: 9.671 ppbv
RT: 9.65 min Scan# 2087
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1325449

Ion	Ratio	Lower	Upper
97	100		
83	89.6	75.0	112.4
85	58.8	47.5	71.3
99	59.3	49.0	73.6

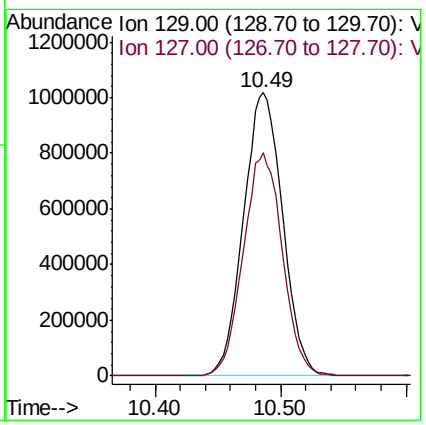


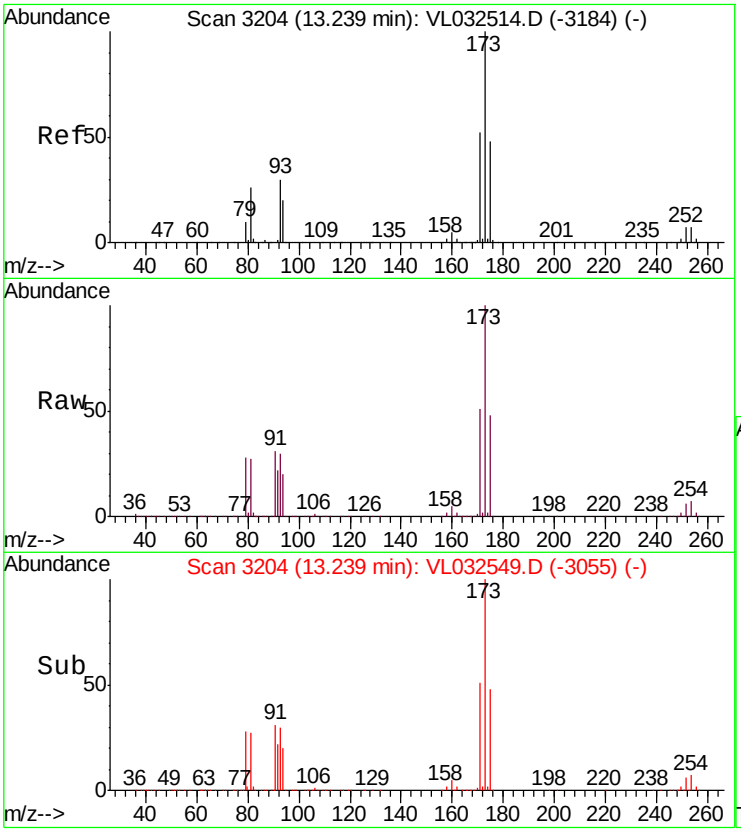


#48
Dibromochloromethane
Concen: 10.261 ppbv
RT: 10.49 min Scan# 2348
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:129 Resp: 2211358

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.5	118.3



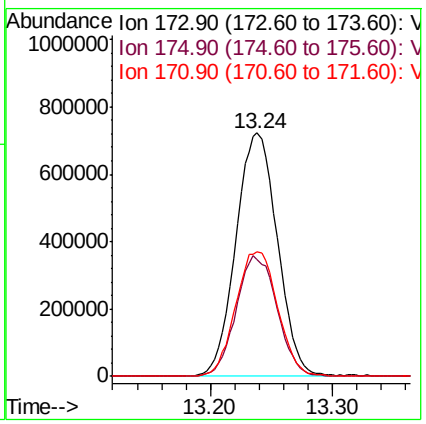


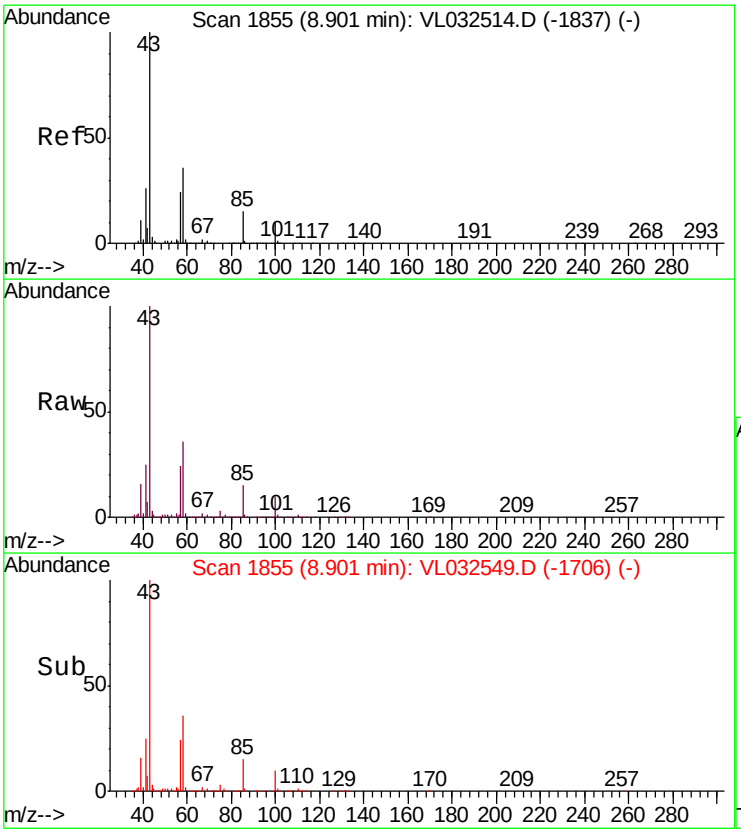
#49
Bromoform
Concen: 10.295 ppbv
RT: 13.24 min Scan# 3204
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1695338

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.9	58.3
171	52.0	41.6	62.4

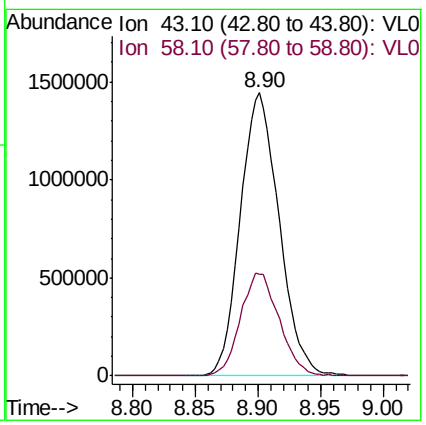


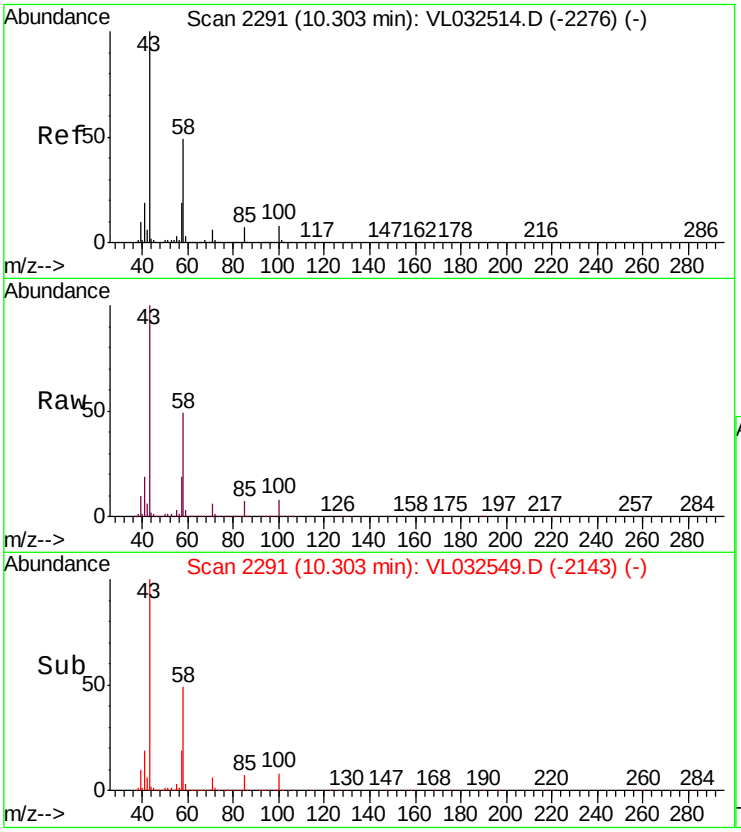


#50
4-Methyl-2-Pentanone
Concen: 9.790 ppbv
RT: 8.90 min Scan# 1855
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 43 Resp: 3105079

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.4



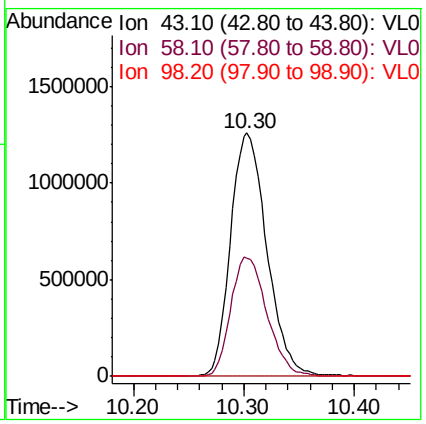


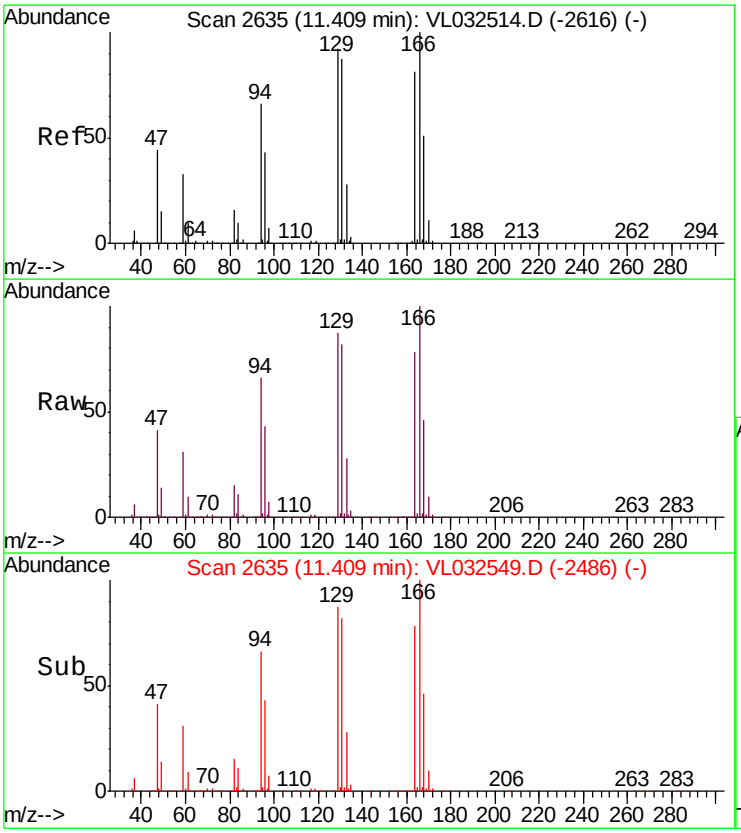
#51
2-Hexanone
Concen: 10.961 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2875106

Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.2	58.8
98	0.5	0.4	0.6

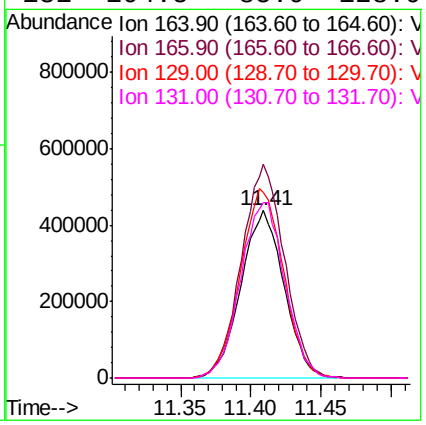


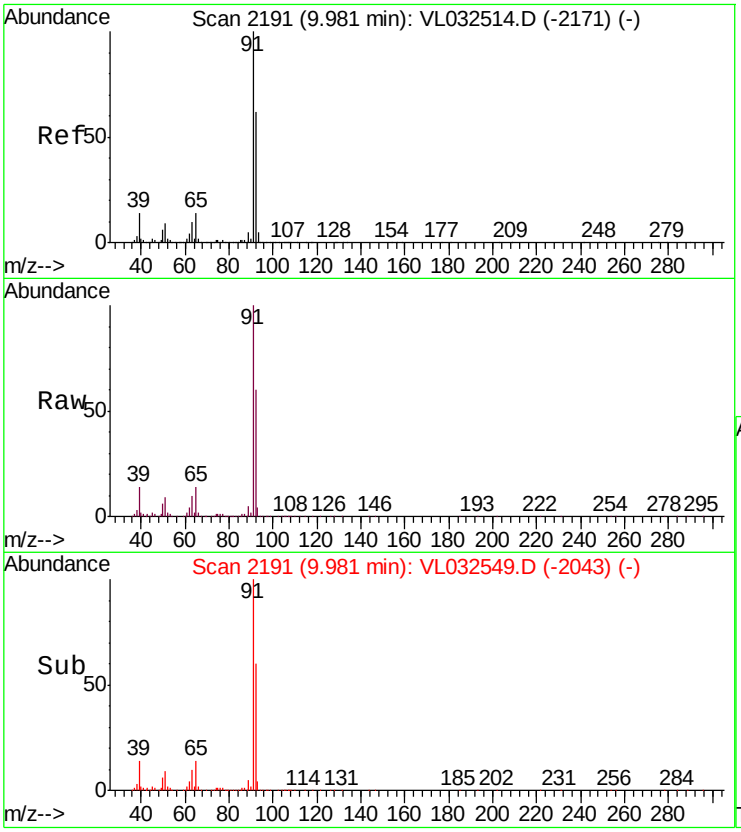


#52
Tetrachloroethene
Concen: 9.821 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:164 Resp: 936308

Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.6	150.8
129	111.0	89.9	134.9
131	104.5	85.9	128.9



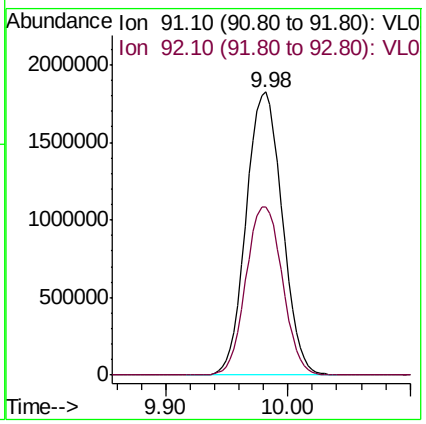


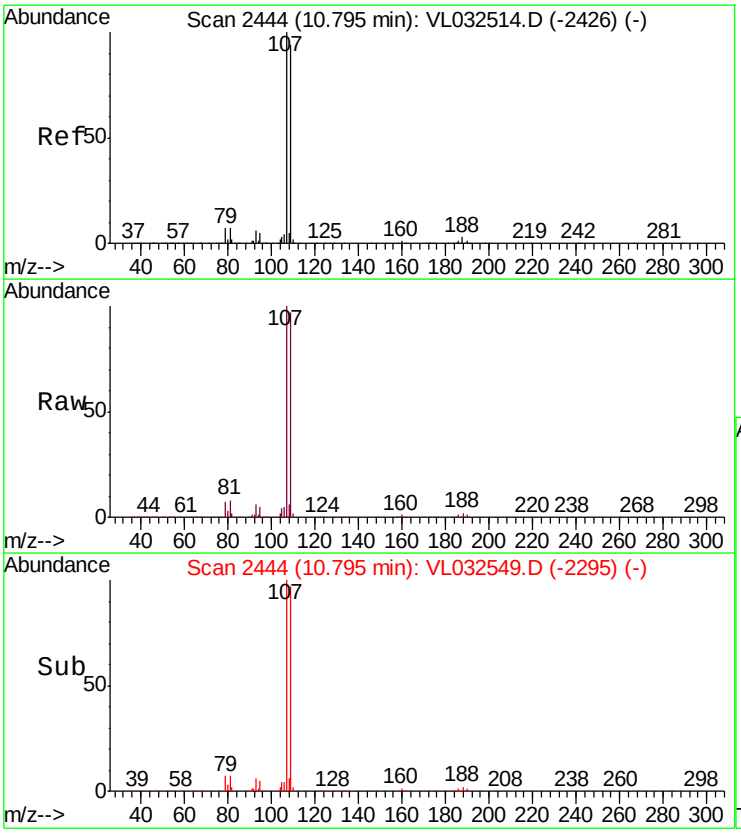
#53
Toluene
Concen: 11.143 ppbv
RT: 9.98 min Scan# 2191
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3718110

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.1	72.1

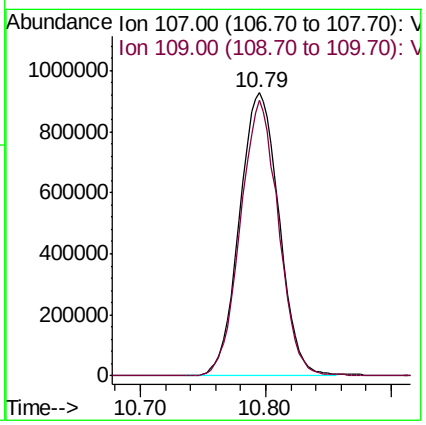


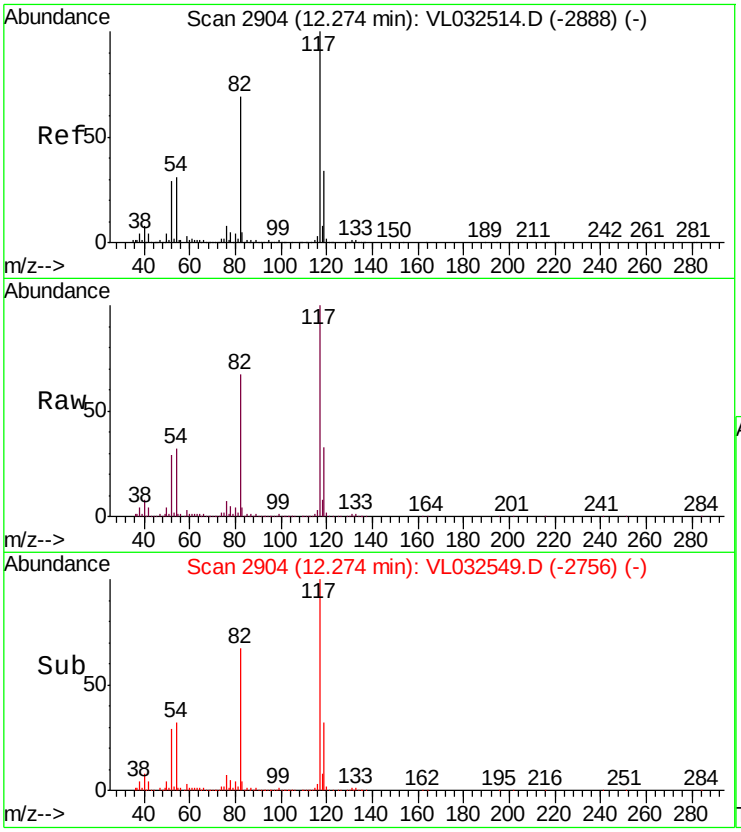


#54
1,2-Dibromoethane
Concen: 10.422 ppbv
RT: 10.79 min Scan# 2444
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:107 Resp: 2031657

Ion	Ratio	Lower	Upper
107	100		
109	97.3	73.9	110.9



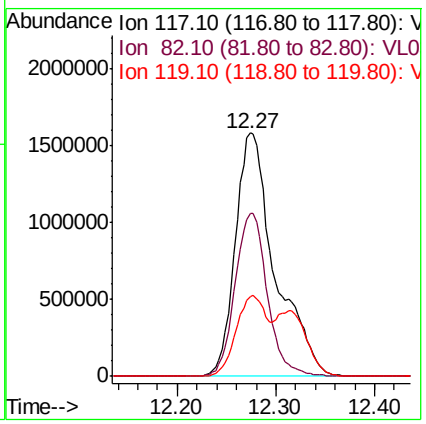


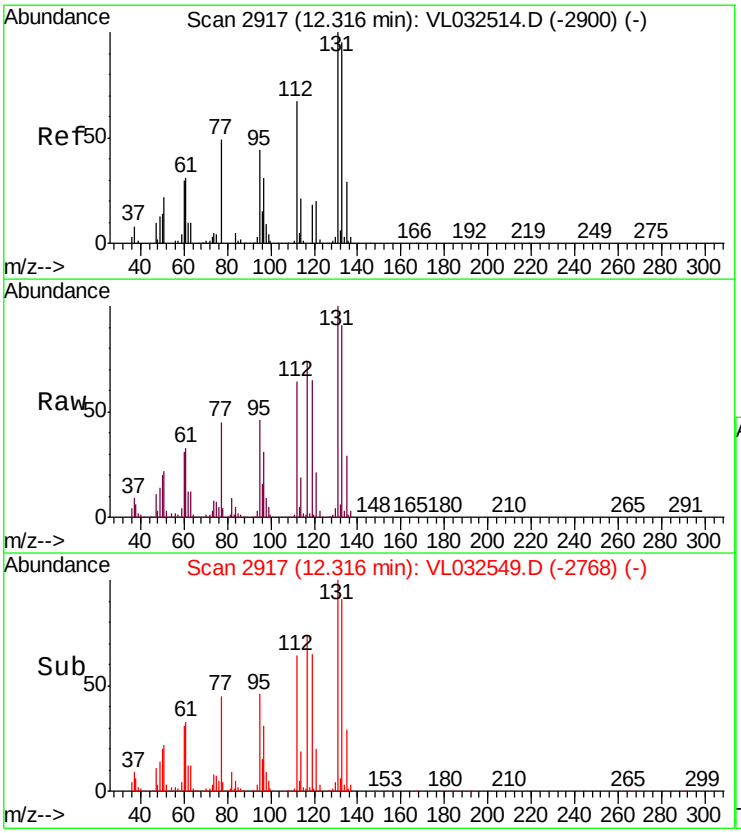
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4422271

Ion	Ratio	Lower	Upper
117	100		
82	54.6	53.0	79.6
119	27.9	45.9	68.9#

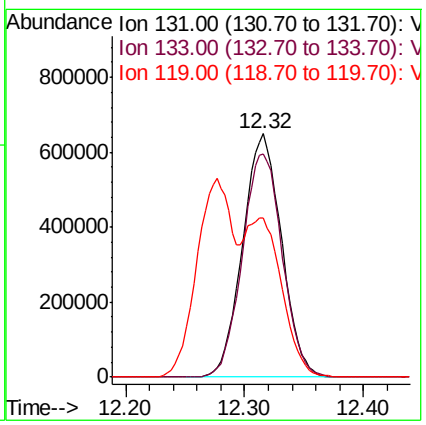


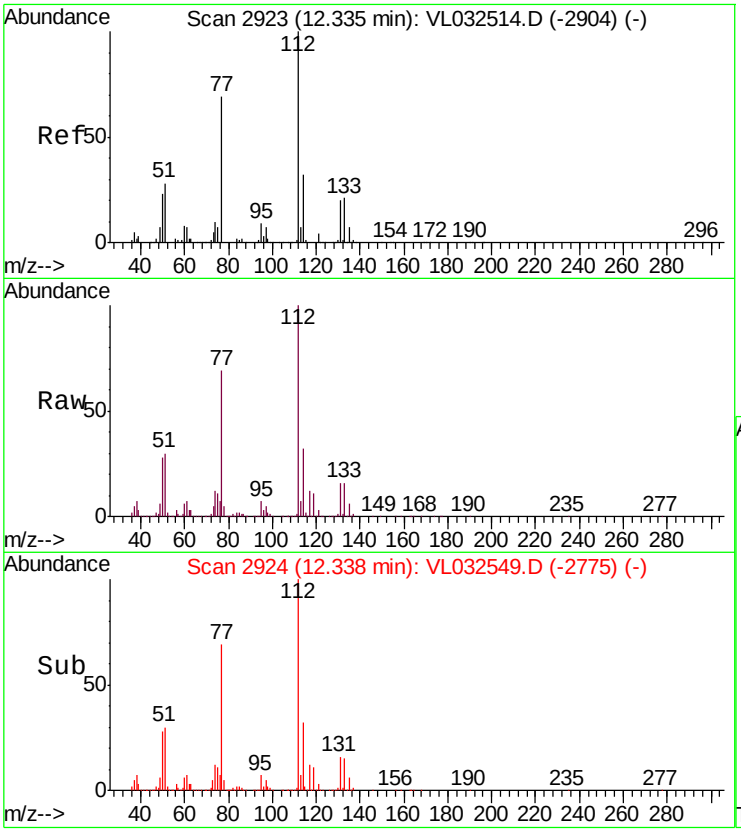


#56
1,1,1,2-Tetrachloroethane
Concen: 7.370 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:131 Resp: 1464947

Ion	Ratio	Lower	Upper
131	100		
133	94.6	77.0	115.4
119	61.8	114.2	171.2#



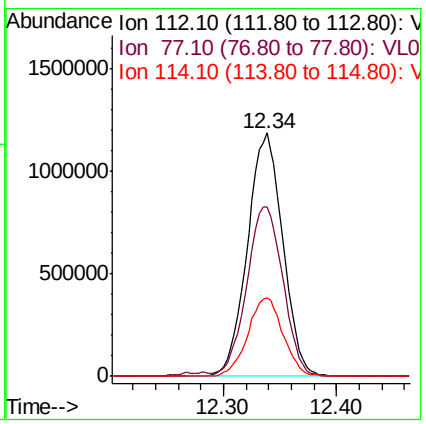


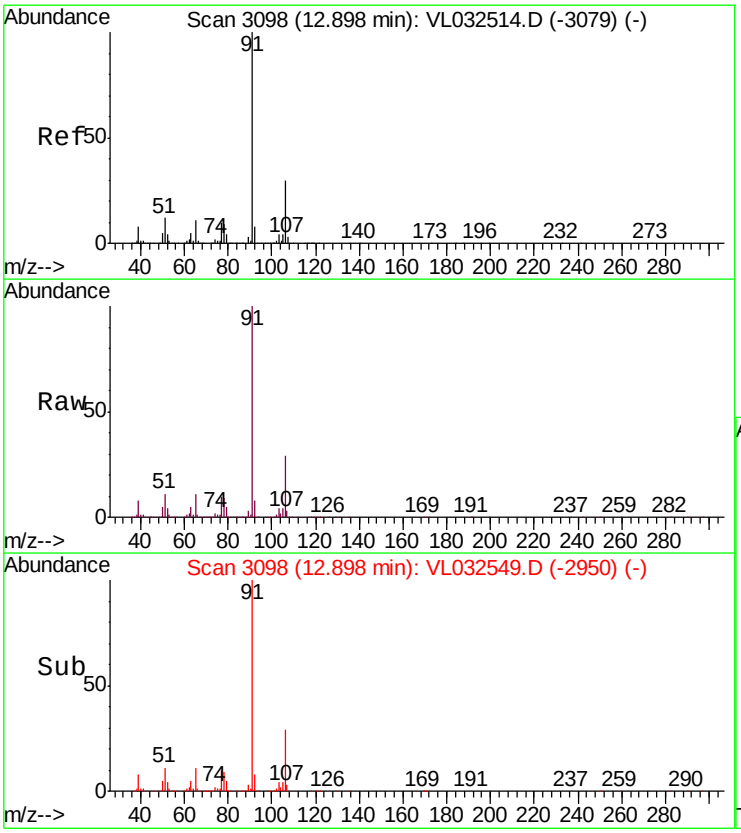
#57
Chlorobenzene
Concen: 7.218 ppbv
RT: 12.34 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2571272

Ion	Ratio	Lower	Upper
112	100		
77	69.2	56.1	84.1
114	32.5	27.8	34.0

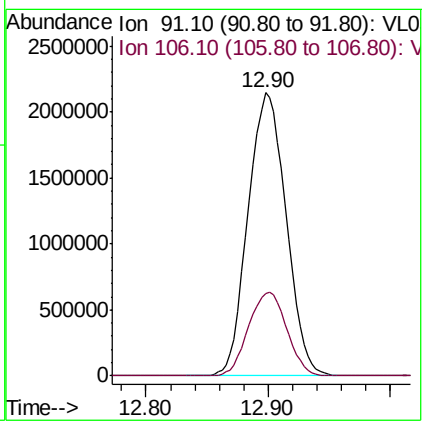


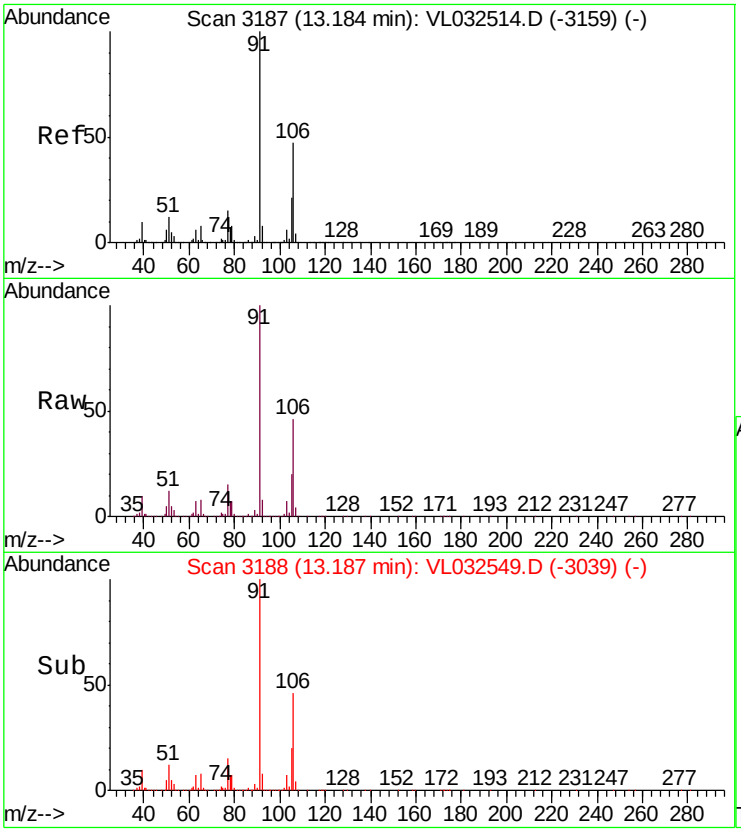


#58
Ethyl Benzene
Concen: 8.627 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 4627474

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.8	37.2



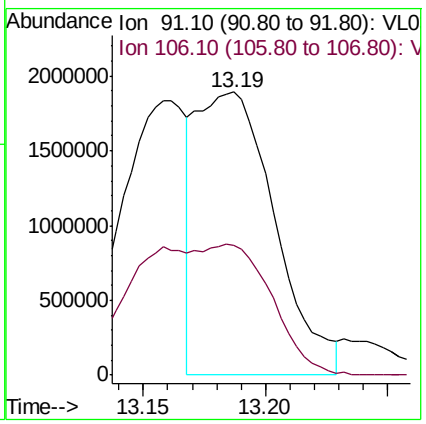


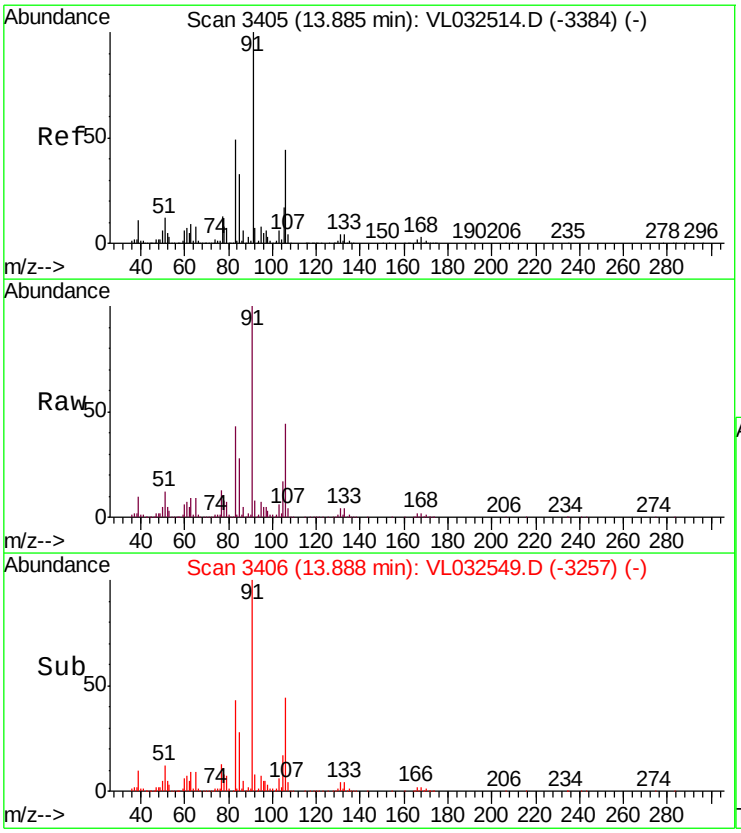
#59
m/p-Xylene
Concen: 8.803 ppbv
RT: 13.19 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4201327

Ion	Ratio	Lower	Upper
91	100		
106	82.3	36.6	55.0#

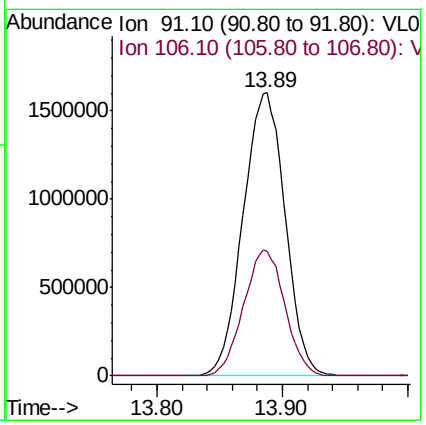


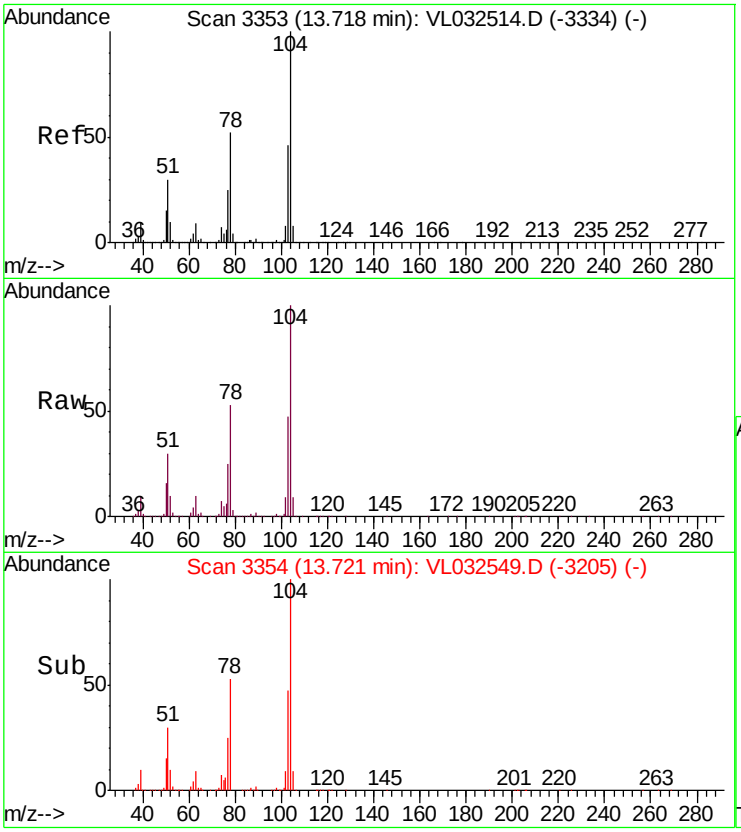


#60
o-Xylene
Concen: 8.042 ppbv
RT: 13.89 min Scan# 3406
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 3737174

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.7



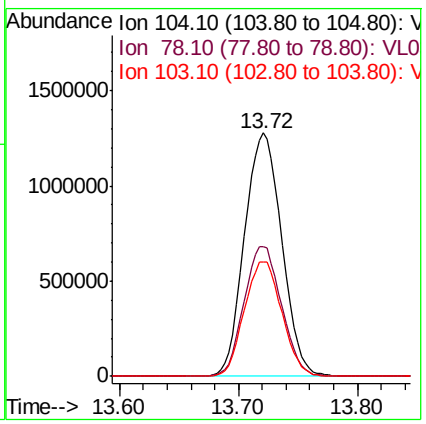


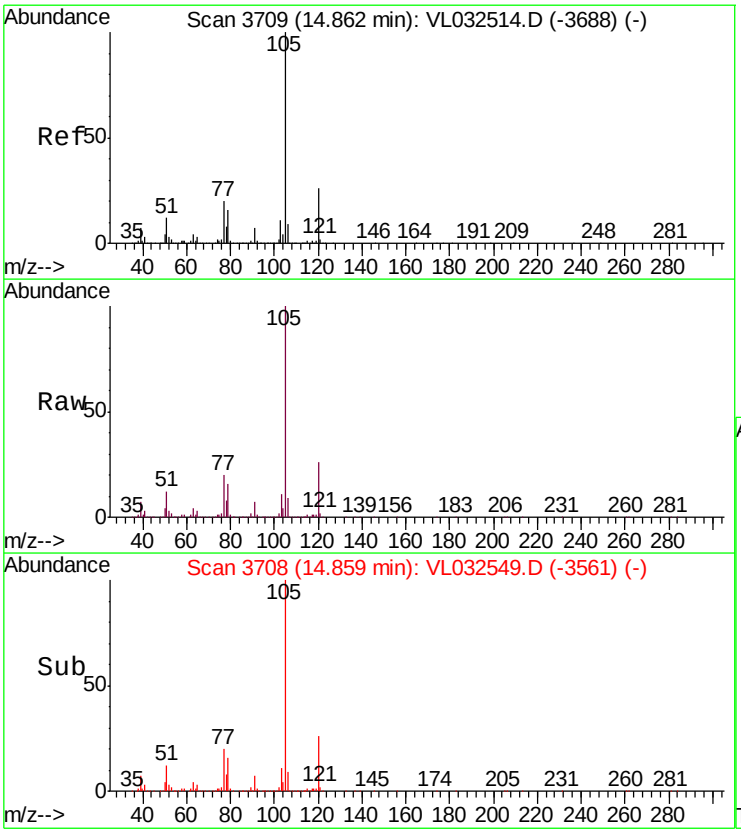
#61
Styrene
Concen: 9.116 ppbv
RT: 13.72 min Scan# 3354
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2770948

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.8	62.8
103	47.6	38.0	57.0

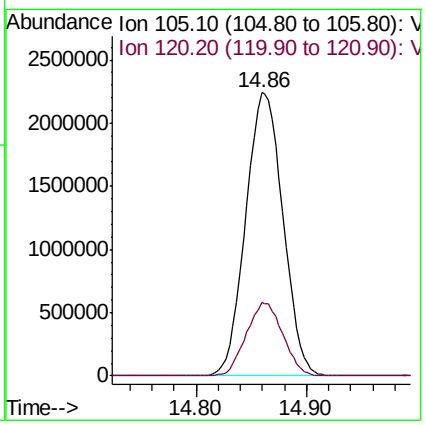


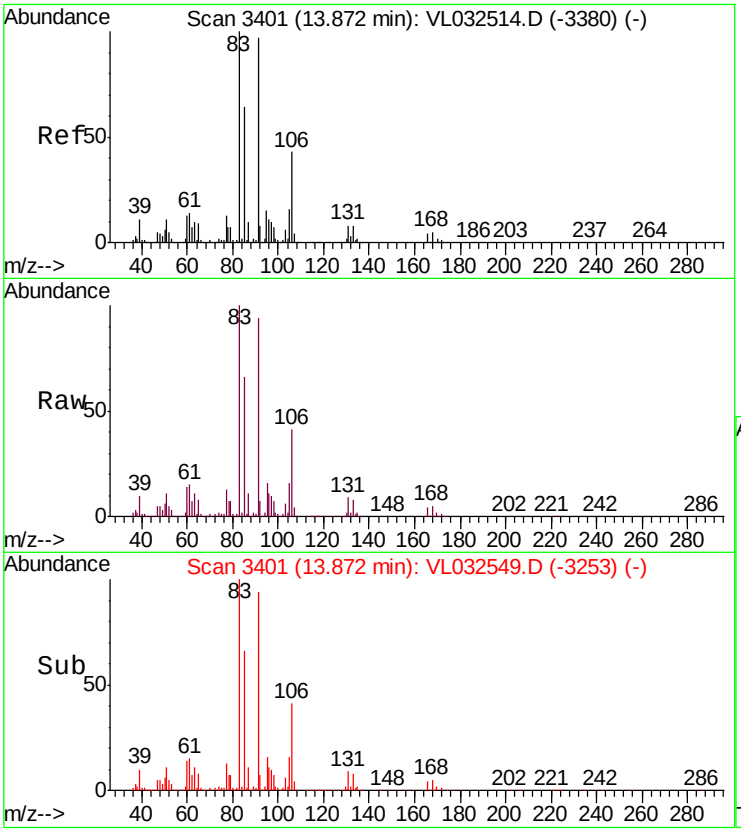


#62
Isopropylbenzene
Concen: 7.982 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 5245432

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



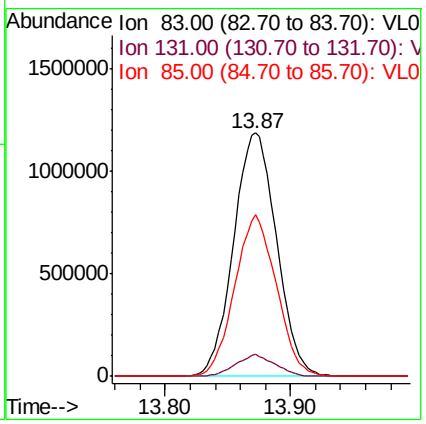


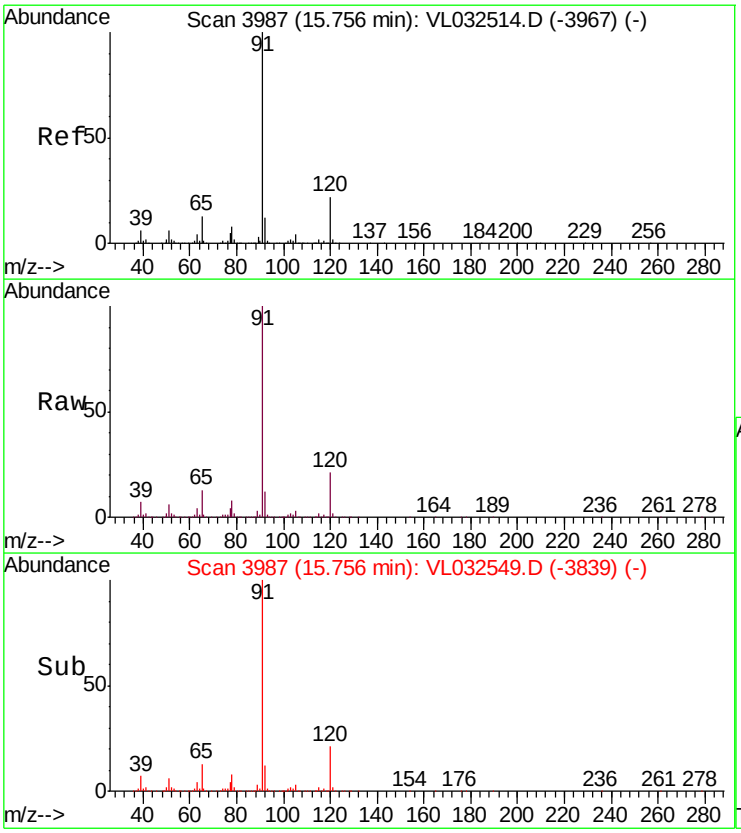
#63
1,1,2,2-Tetrachloroethane
Concen: 6.819 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2814923

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	64.7	32.3	96.8

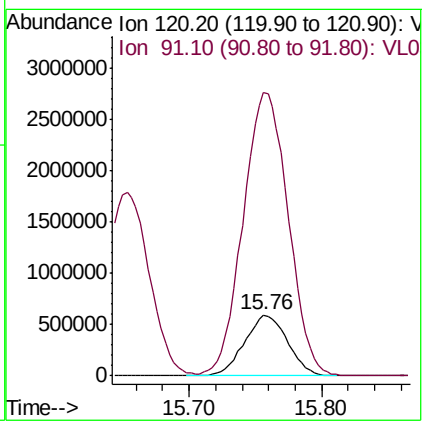


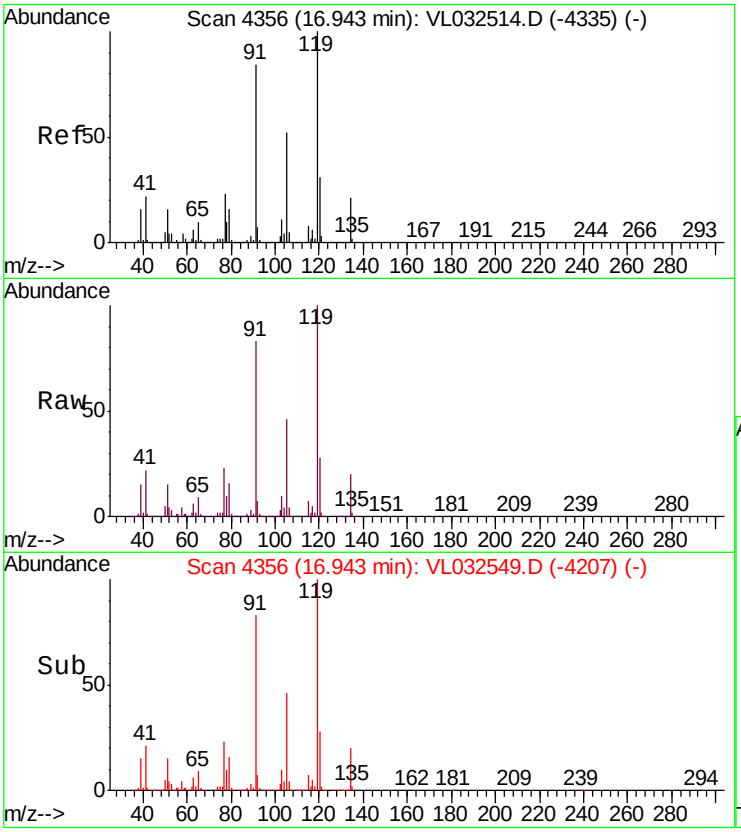


#64
n-propylbenzene
Concen: 7.962 ppbv
RT: 15.76 min Scan# 3987
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:120 Resp: 1344165

Ion	Ratio	Lower	Upper
120	100		
91	487.7	381.8	572.6



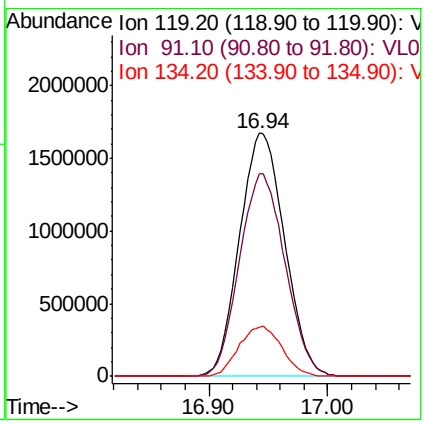


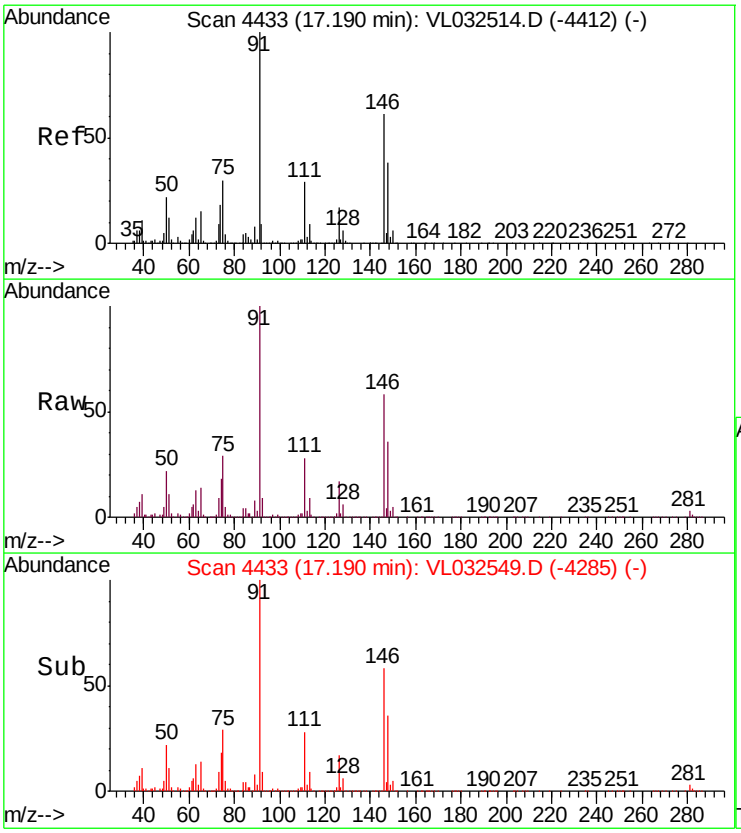
#65
tert-Butylbenzene
Concen: 7.779 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 4381372

Ion	Ratio	Lower	Upper
119	100		
91	84.5	66.5	99.7
134	19.7	16.0	24.0

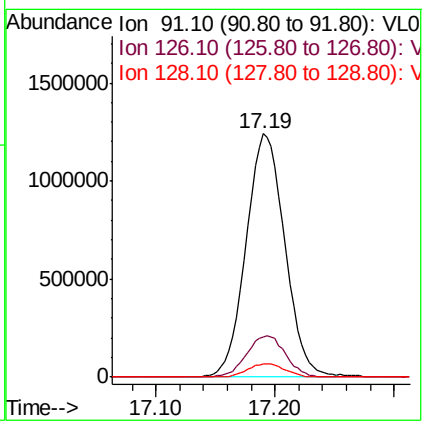


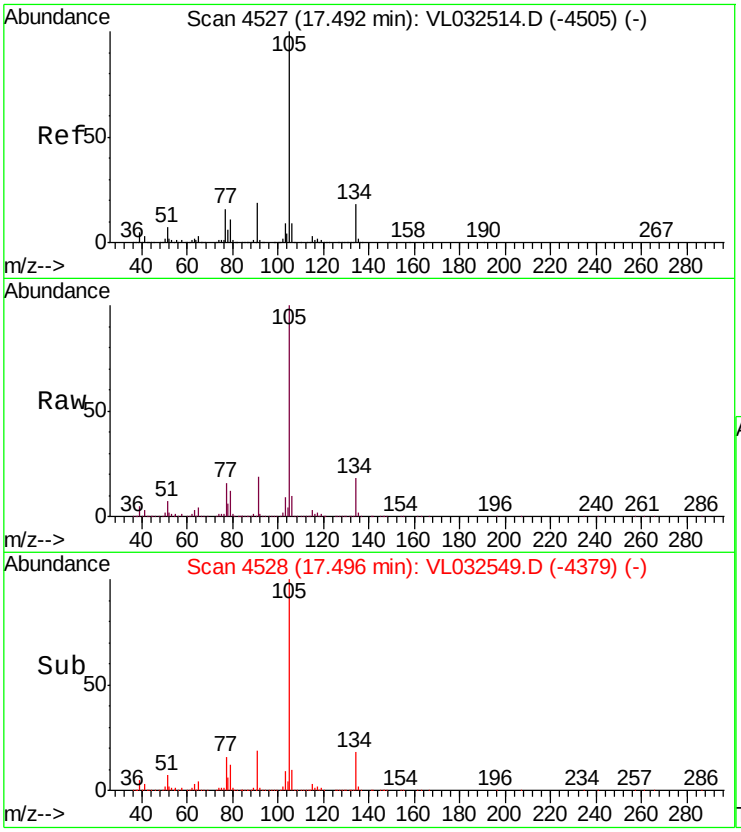


#66
Benzyl Chloride
Concen: 8.598 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 2791182

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.8
128	5.5	4.4	6.6



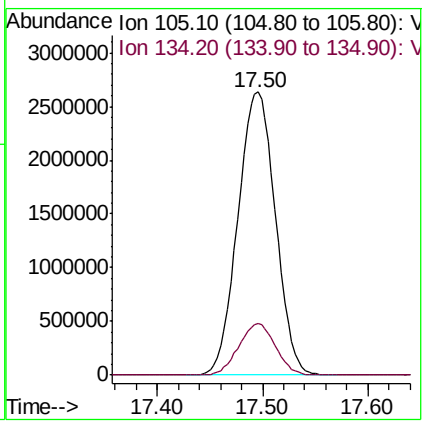


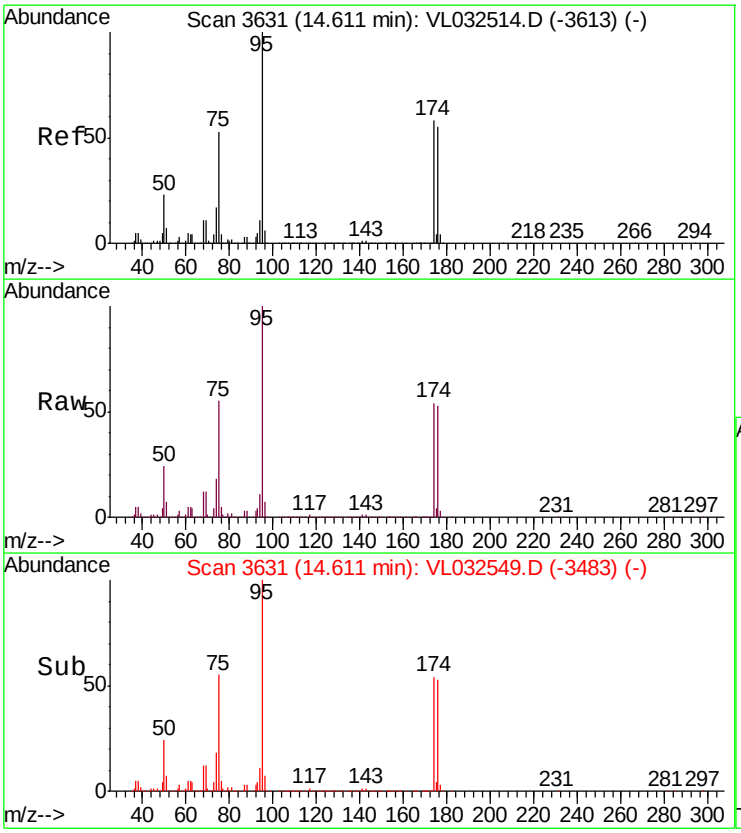
#67
sec-Butylbenzene
Concen: 7.791 ppbv
RT: 17.50 min Scan# 4528
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 6524267

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.4	21.6

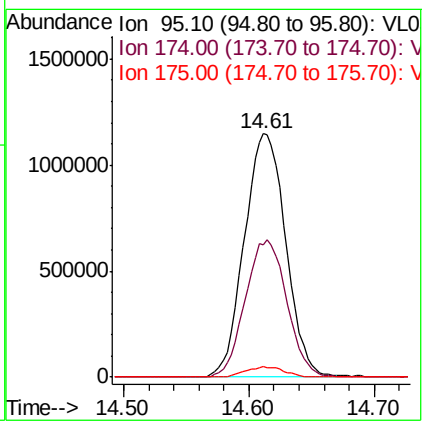


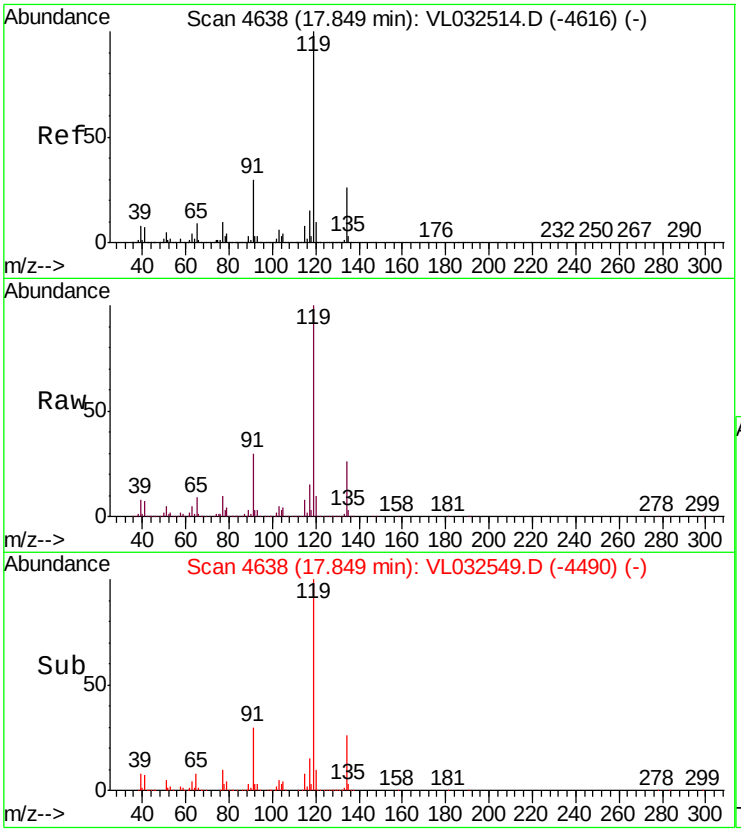


#68
1-Bromo-4-Fluorobenzene
Concen: 7.893 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 95 Resp: 2632227

Ion	Ratio	Lower	Upper
95	100		
174	56.9	46.3	69.5
175	4.1	3.4	5.0



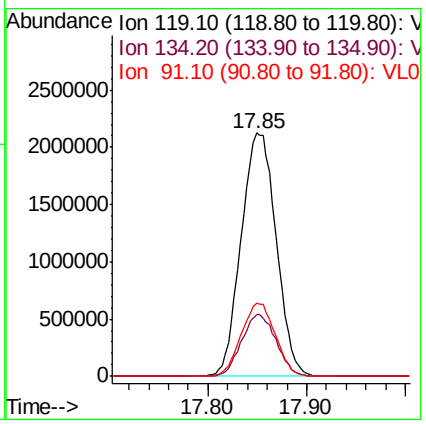


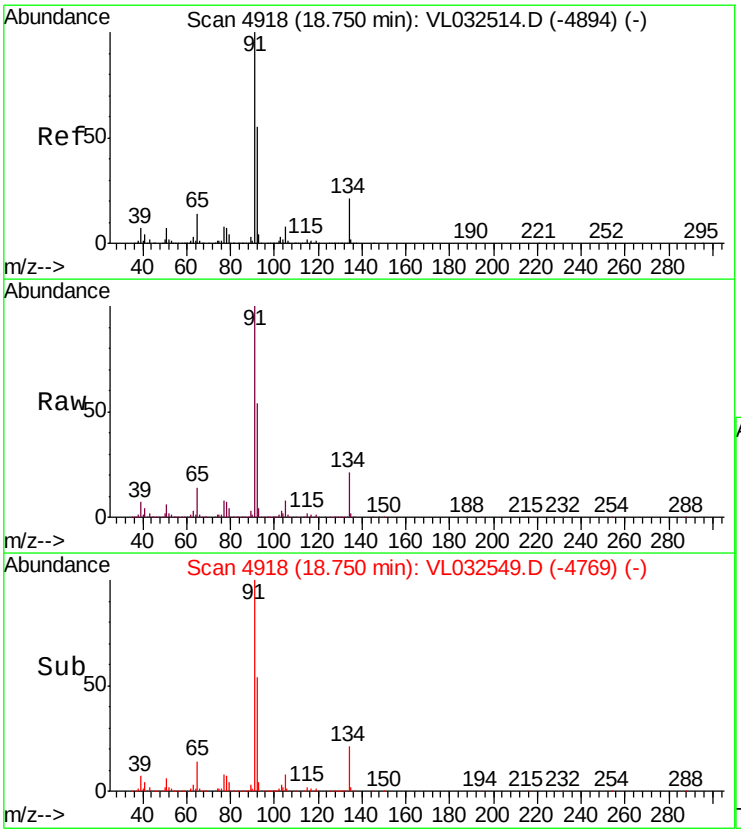
#69
p-Isopropyltoluene
Concen: 8.059 ppbv
RT: 17.85 min Scan# 4638
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5212621

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.5	23.4	35.2

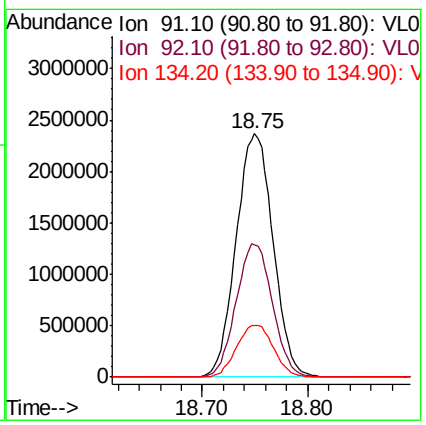


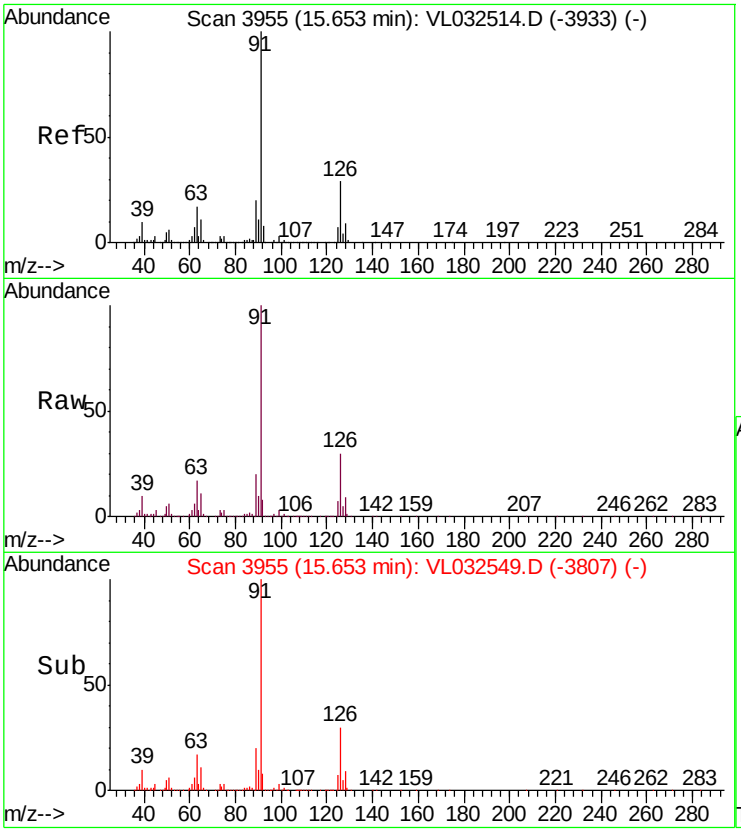


#70
n-Butylbenzene
Concen: 8.140 ppbv
RT: 18.75 min Scan# 4918
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 5750812

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	21.5	17.4	26.0



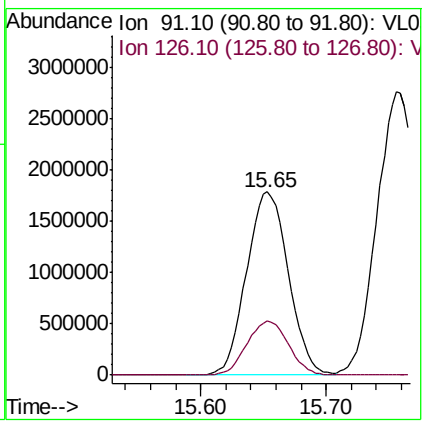


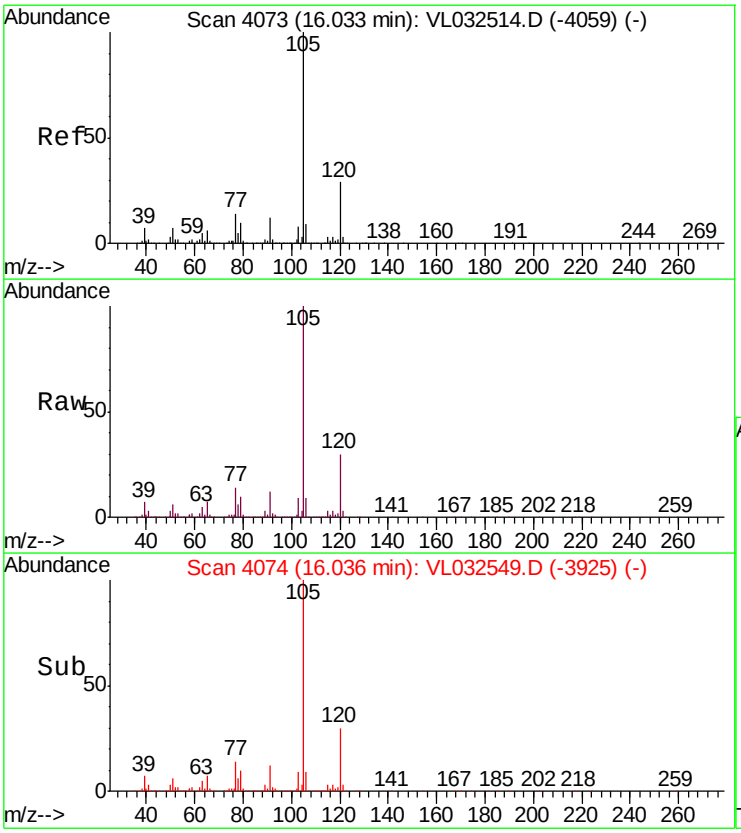
#71
2-Chlorotoluene
Concen: 8.297 ppbv
RT: 15.65 min Scan# 3955
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4152669

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.9	47.7

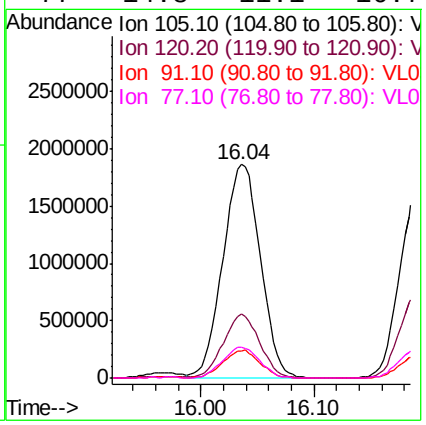


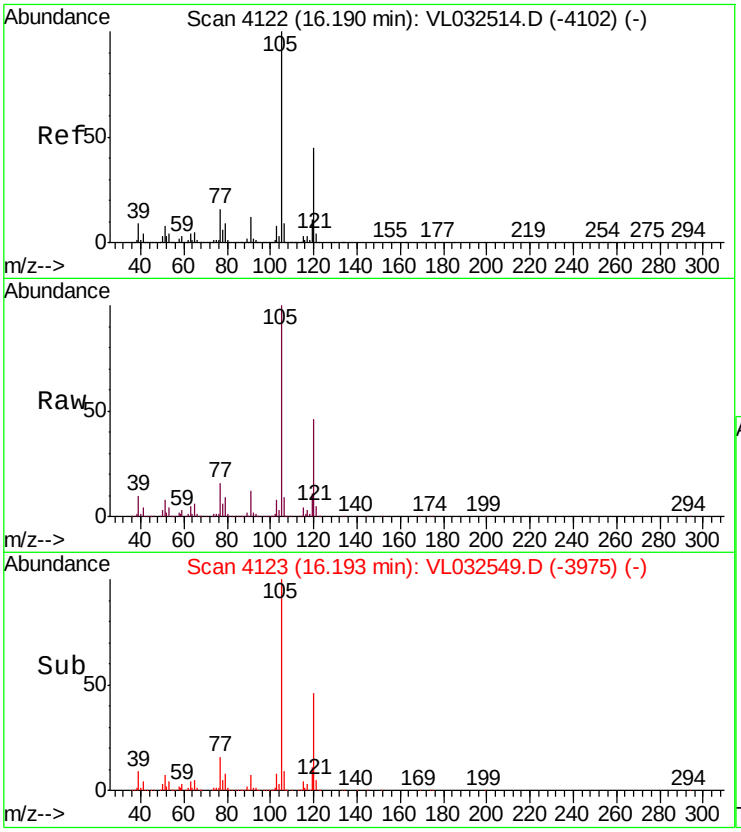


#72
4-Ethyltoluene
Concen: 8.534 ppbv
RT: 16.04 min Scan# 4074
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 4304183

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	12.8	10.2	15.2
77	14.8	11.1	16.7



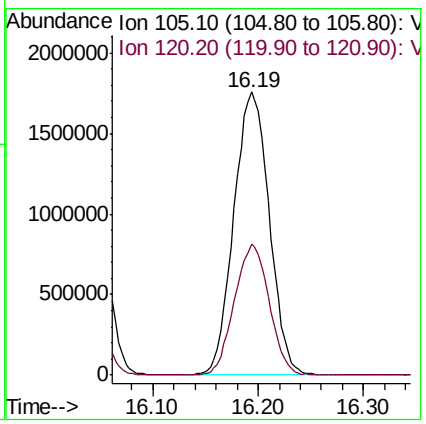


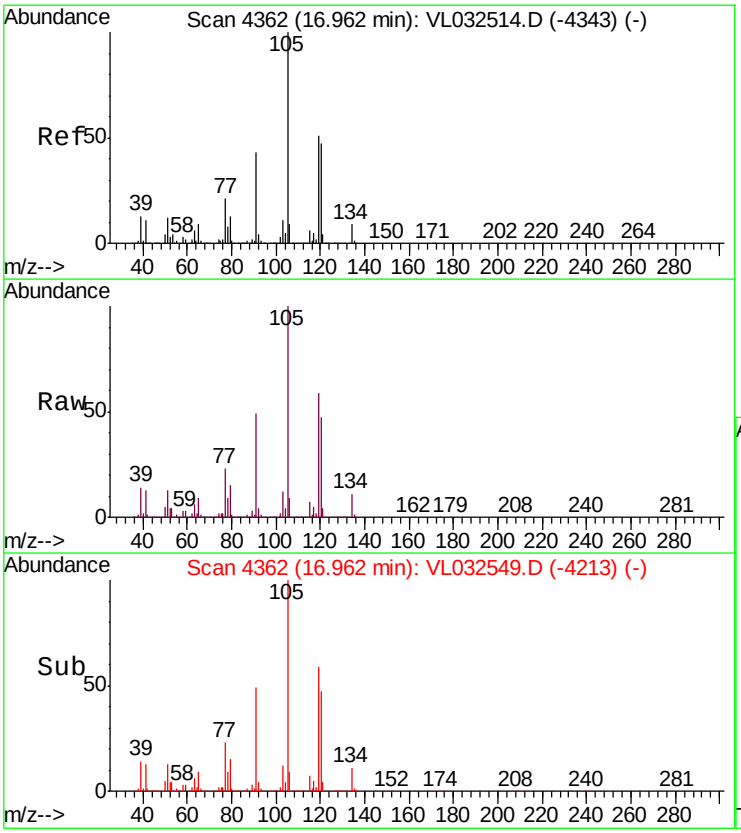
#73
1,3,5-Trimethylbenzene
Concen: 8.366 ppbv
RT: 16.19 min Scan# 4123
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4100685

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.9	56.9

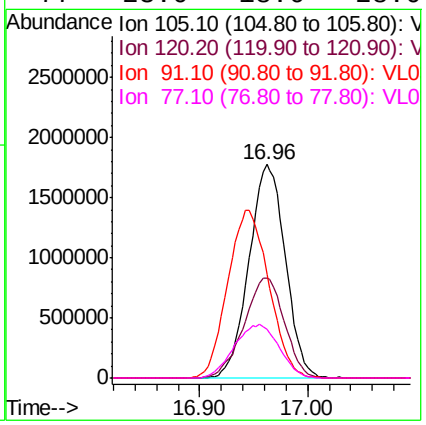


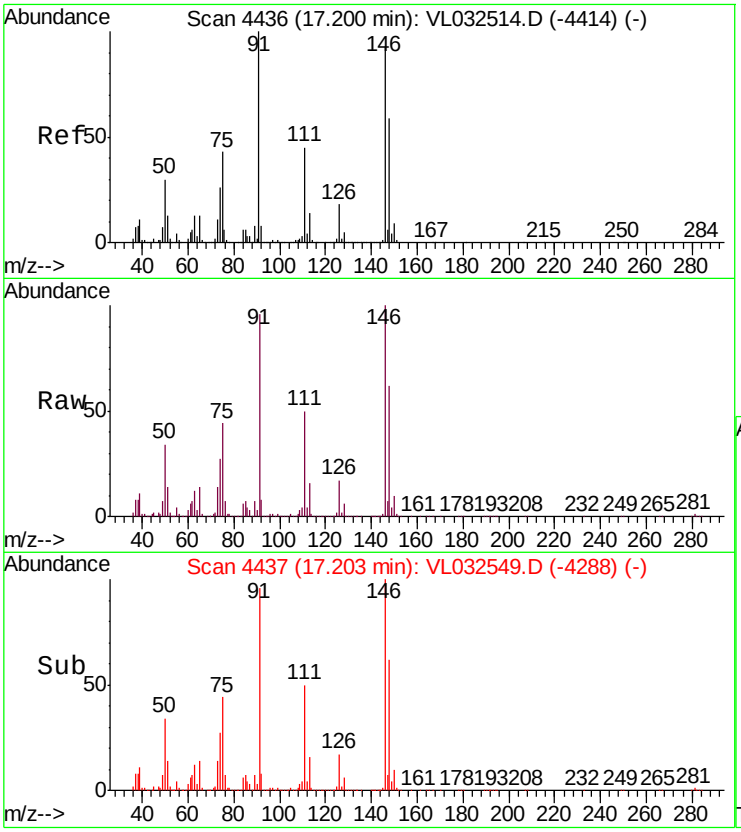


#74
1,2,4-Trimethylbenzene
Concen: 7.850 ppbv
RT: 16.96 min Scan# 4362
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 4142944

Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.8	56.8
91	48.6	41.4	62.0
77	23.0	18.6	28.0



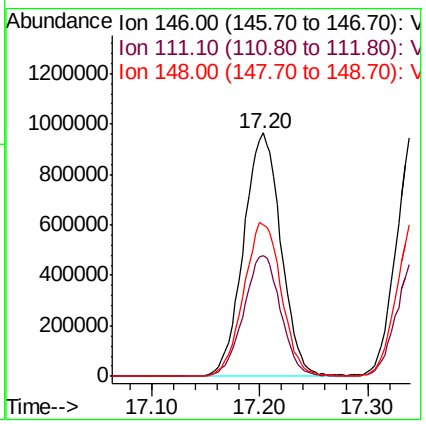


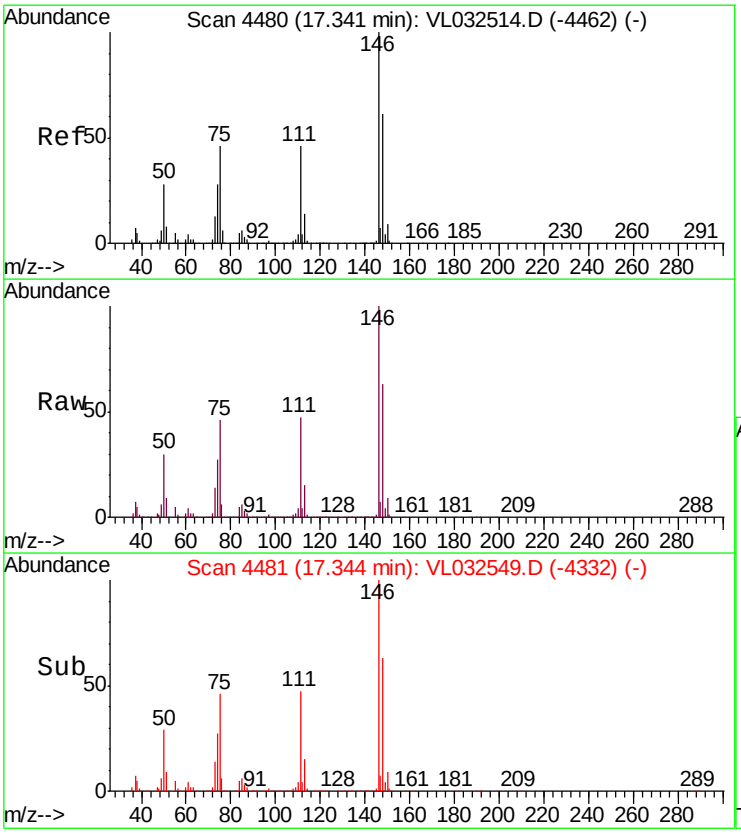
#75
1,3-Dichlorobenzene
Concen: 7.128 ppbv
RT: 17.20 min Scan# 4437
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 2321428

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.5	73.5
148	63.8	32.0	96.2

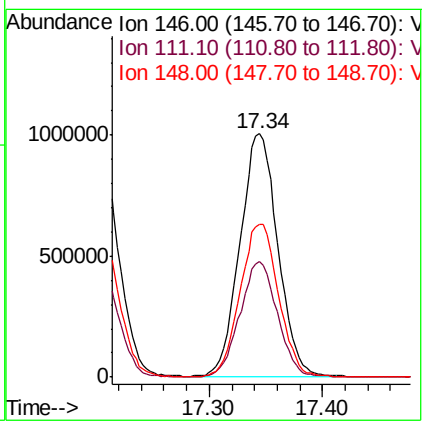


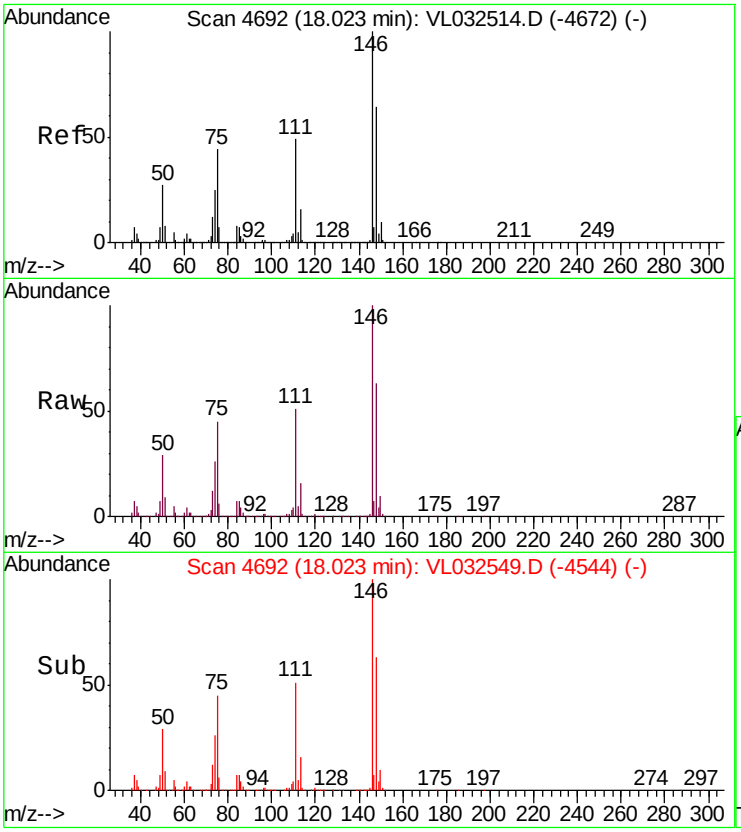


#76
1,4-Dichlorobenzene
Concen: 7.789 ppbv
RT: 17.34 min Scan# 4481
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:146 Resp: 2322658

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.2
148	64.4	32.0	96.2



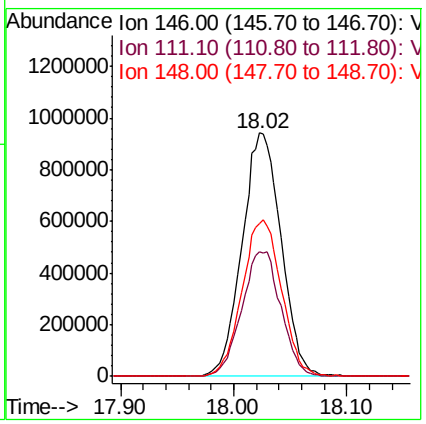


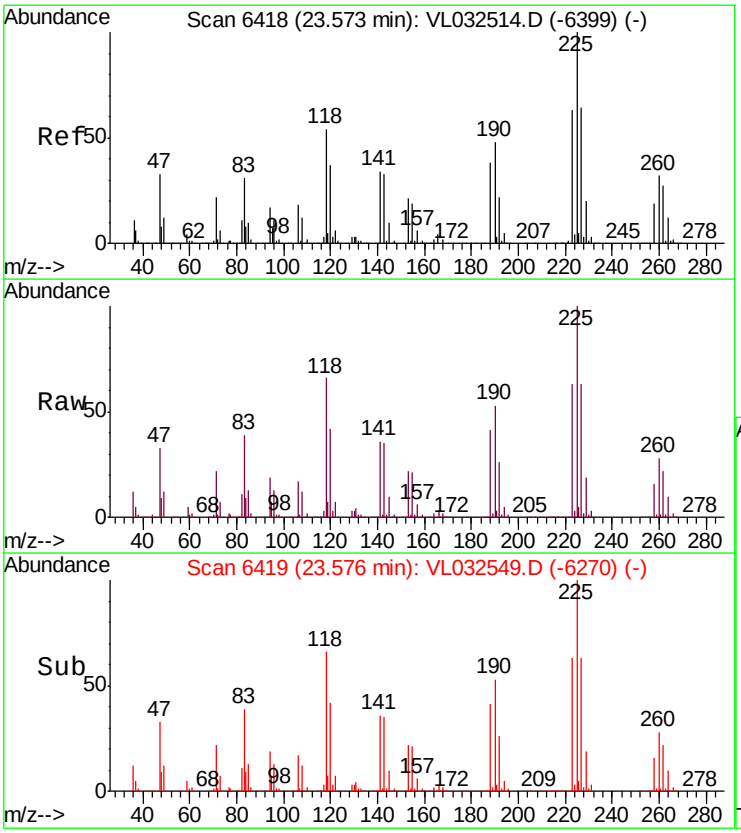
#77
1,2-Dichlorobenzene
Concen: 7.363 ppbv
RT: 18.02 min Scan# 4692
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2255068

Ion	Ratio	Lower	Upper
146	100		
111	51.5	24.9	74.8
148	65.0	32.0	96.0

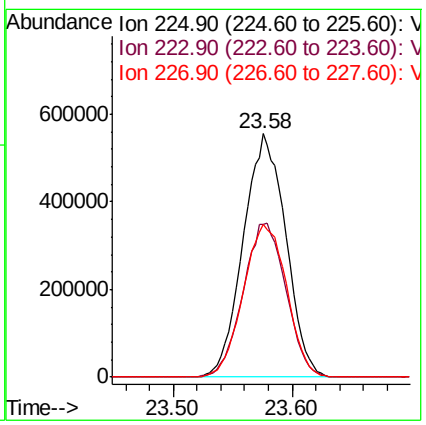


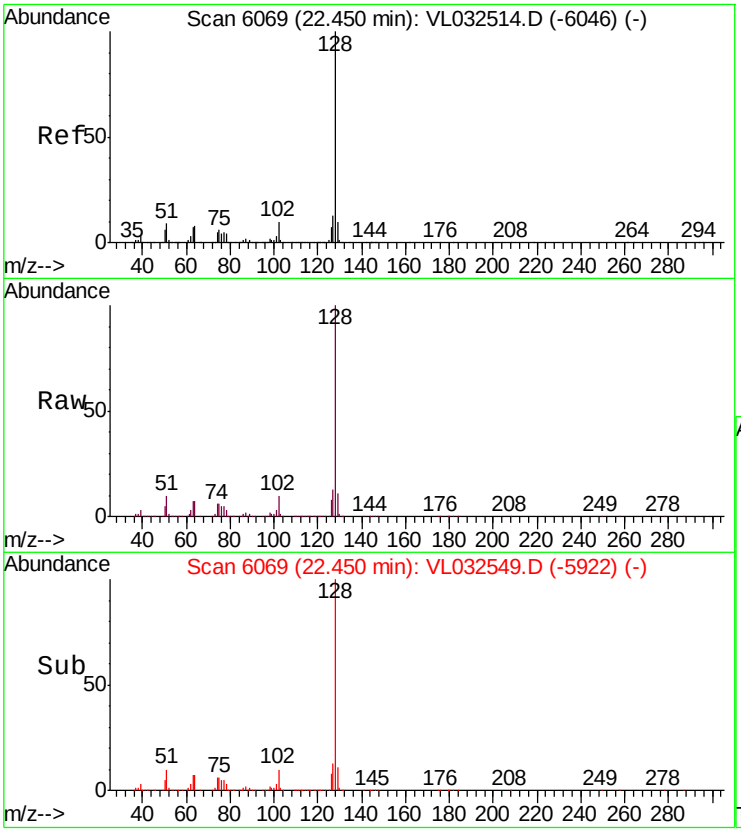


#78
Hexachloro-1,3-Butadiene
Concen: 11.932 ppbv
RT: 23.58 min Scan# 6419
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:225 Resp: 1371457

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	64.2	51.2	76.8



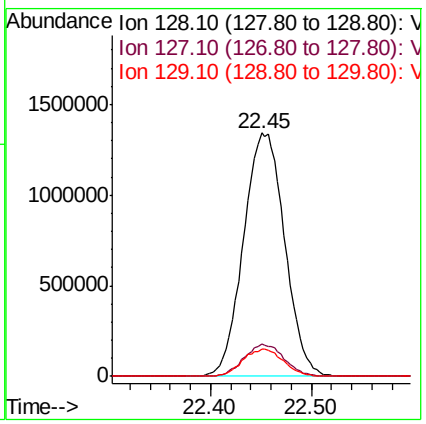


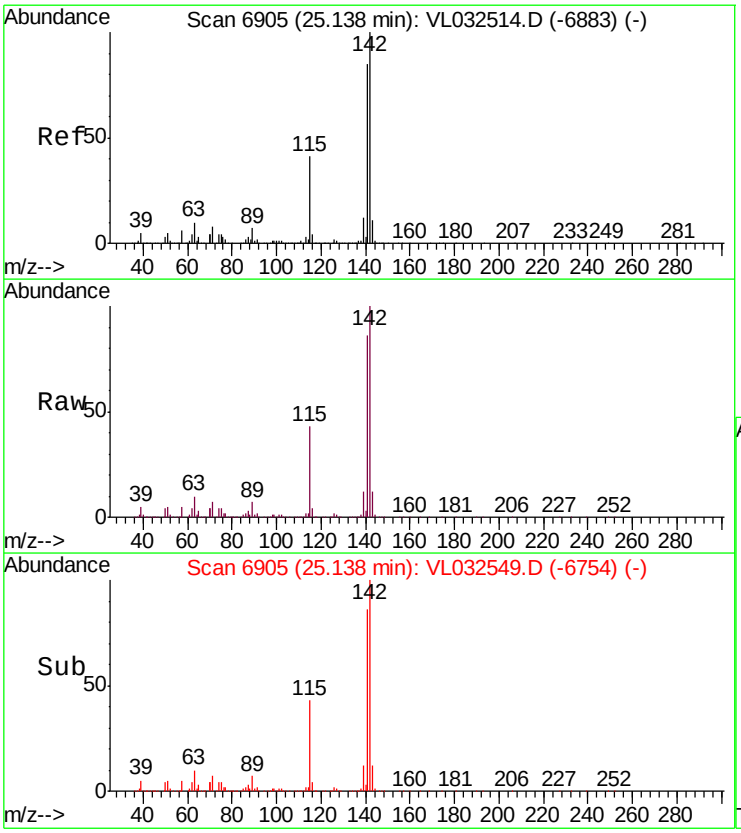
#79
Naphthalene
Concen: 9.989 ppbv
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3802029

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.5	12.7

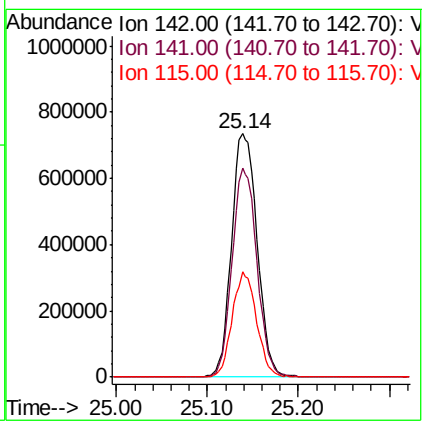


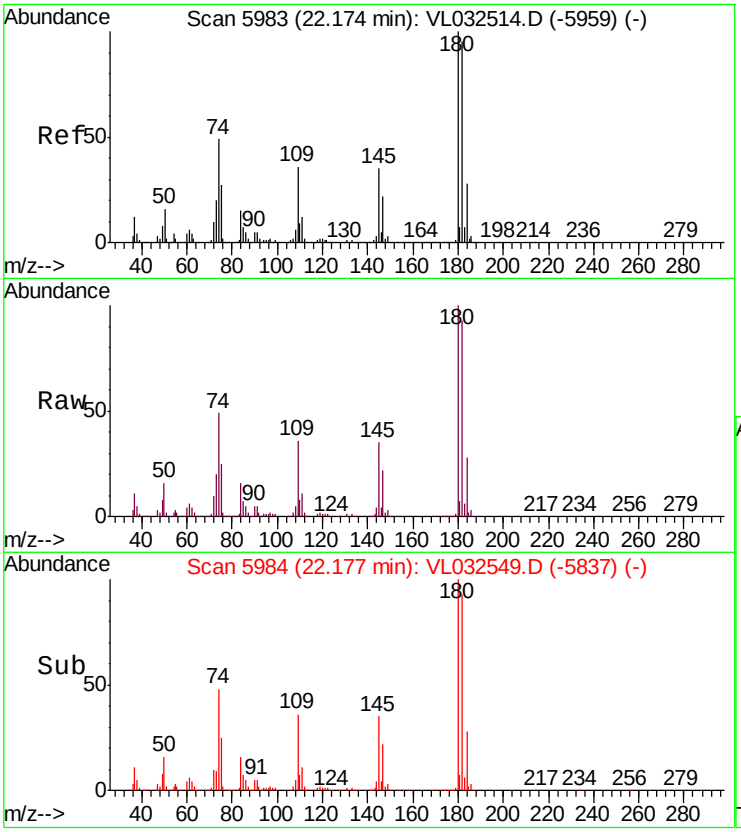


#80
Naphthalene,2-methyl-
Concen: 16.101 ppbv
RT: 25.14 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:142 Resp: 1438827

Ion	Ratio	Lower	Upper
142	100		
141	83.2	67.0	100.6
115	41.1	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 9.201 ppbv
RT: 22.18 min Scan# 5984
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1794953

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.3	23.8	35.8