Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033813.D
Acq On : 28 May 2019 21:14
Operator : SY/AP
Sample : VL0528ABS02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Quant Time: May 29 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	843677	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2060070	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2580577	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1680308	8.03	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	1506386	8.472	ppbv		99
3) Chlorodifluoromethane	3.01	51	959232	9.926	ppbv		99
4) Chloromethane	3.17	50	560657	10.143	ppbv		99
5) Vinyl Chloride	3.29	62	555896	9.873	ppbv		99
6) Bromomethane	3.51	94	347626	10.118	ppbv		92
7) Chloroethane	3.60	64	210090	10.499	ppbv		95
8) Dichlorotetrafluoroethane	3.22	85	1462599	10.203	ppbv		100
9) Propene	3.03	41	413057	10.049	ppbv		99
10) Heptane	8.24	43	1130505	9.712	ppbv		100
11) Trichlorofluoromethane	4.00	101	1709650	10.075	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1145794	9.669	ppbv		98
13) Ethanol	3.65	45	96527	7.266	ppbv		99
14) Bromoethene	3.79	108	467167	10.724	ppbv		99
15) Acetone	3.90	43	1044912	8.927	ppbv		100
16) 1,3-Butadiene	3.36	39	502011	10.769	ppbv		99
17) tert-Butyl alcohol	4.35	59	989440	10.453	ppbv		100
18) 1,1-Dichloroethene	4.35	96	507894	10.154	ppbv		97
19) Isopropyl Alcohol	4.02	45	759386	10.061	ppbv	#	98
20) Methylene Chloride	4.40	84	424054	9.409	ppbv		100
21) Allyl Chloride	4.47	41	718126	9.836	ppbv		100
22) trans-1,2-Dichloroethene	4.96	96	514628	10.038	ppbv		97
23) Vinyl Acetate	5.15	43	1595943	10.340	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1141772	9.732	ppbv		98
25) Ethyl Acetate	5.76	43	1970664	9.584	ppbv		100
26) Hexane	5.78	57	872081	9.865	ppbv		99
27) Carbon Disulfide	4.62	76	1251915	10.323	ppbv		99
28) Methyl tert-Butyl Ether	5.11	73	1482159	10.285	ppbv		100
29) Chloroform	5.85	83	1490709	9.155	ppbv		98
30) Cyclohexane	7.24	84	751980	10.118	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	888058	10.132	ppbv		99
32) 1,1,1-Trichloroethane	6.61	97	1532471	9.425	ppbv		100
34) 2-Butanone	5.33	43	1271150	9.955	ppbv		100
35) Carbon Tetrachloride	7.13	117	1648559	9.990	ppbv		99
36) Benzene	7.00	78	1771030	9.451	ppbv		99
37) 1,2-Dichloroethane	6.41	62	1137370	9.409	ppbv		100
38) Trichloroethene	7.96	130	763947	10.986	ppbv		99
39) 1,2-Dichloropropane	7.73	63	690182	9.879	ppbv		97
40) 1,4-Dioxane	7.95	88	292254	10.000	ppbv	#	96
41) Tetrahydrofuran	6.14	42	701449	9.804	ppbv		100
42) Bromodichloromethane	7.91	83	1690225	10.213	ppbv		98
43) Methyl Methacrylate	8.13	69	738420	10.707	ppbv		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033813.D
Acq On : 28 May 2019 21:14
Operator : SY/AP
Sample : VL0528ABS02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Quant Time: May 29 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3150732	9.948	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	972758	11.126	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	1101839	10.763	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	763707	9.622	ppbv		98
48) Dibromochloromethane	10.45	129	1414199	10.283	ppbv		99
49) Bromoform	13.20	173	1302630	11.257	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	1952102	9.939	ppbv		100
51) 2-Hexanone	10.26	43	1598016	10.425	ppbv	#	99
52) Tetrachloroethene	11.37	164	690422	10.481	ppbv		99
53) Toluene	9.94	91	2127223	10.524	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1220232	10.074	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	957069	8.015	ppbv		95
57) Chlorobenzene	12.30	112	1647811	7.757	ppbv		98
58) Ethyl Benzene	12.86	91	3025505	8.853	ppbv		98
59) m/p-Xylene	13.15	91	2289947	7.666	ppbv	#	15
60) o-Xylene	13.85	91	2586419	8.589	ppbv		99
61) Styrene	13.68	104	1999744	9.863	ppbv		99
62) Isopropylbenzene	14.82	105	3369199	8.308	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1811388	8.271	ppbv		100
64) n-propylbenzene	15.72	120	888501	8.470	ppbv		99
65) tert-Butylbenzene	16.90	119	3141706	8.485	ppbv		99
66) Benzyl Chloride	17.15	91	1577618	8.946	ppbv		100
67) sec-Butylbenzene	17.45	105	4438145	8.564	ppbv		100
69) p-Isopropyltoluene	17.81	119	3734574	8.719	ppbv		99
70) n-Butylbenzene	18.71	91	3953782	8.607	ppbv		100
71) 2-Chlorotoluene	15.61	91	2603009	8.651	ppbv		99
72) 4-Ethyltoluene	15.99	105	3023333	8.781	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	2867377	8.535	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3026290	8.277	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1766221	7.884	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	1747287	8.206	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1711369	8.129	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	992698	6.237	ppbv		99
79) Naphthalene	22.41	128	2304343	6.786	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	662106	5.131	ppbv		97
81) 1,2,4-Trichlorobenzene	22.13	180	1359304	6.836	ppbv		99

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

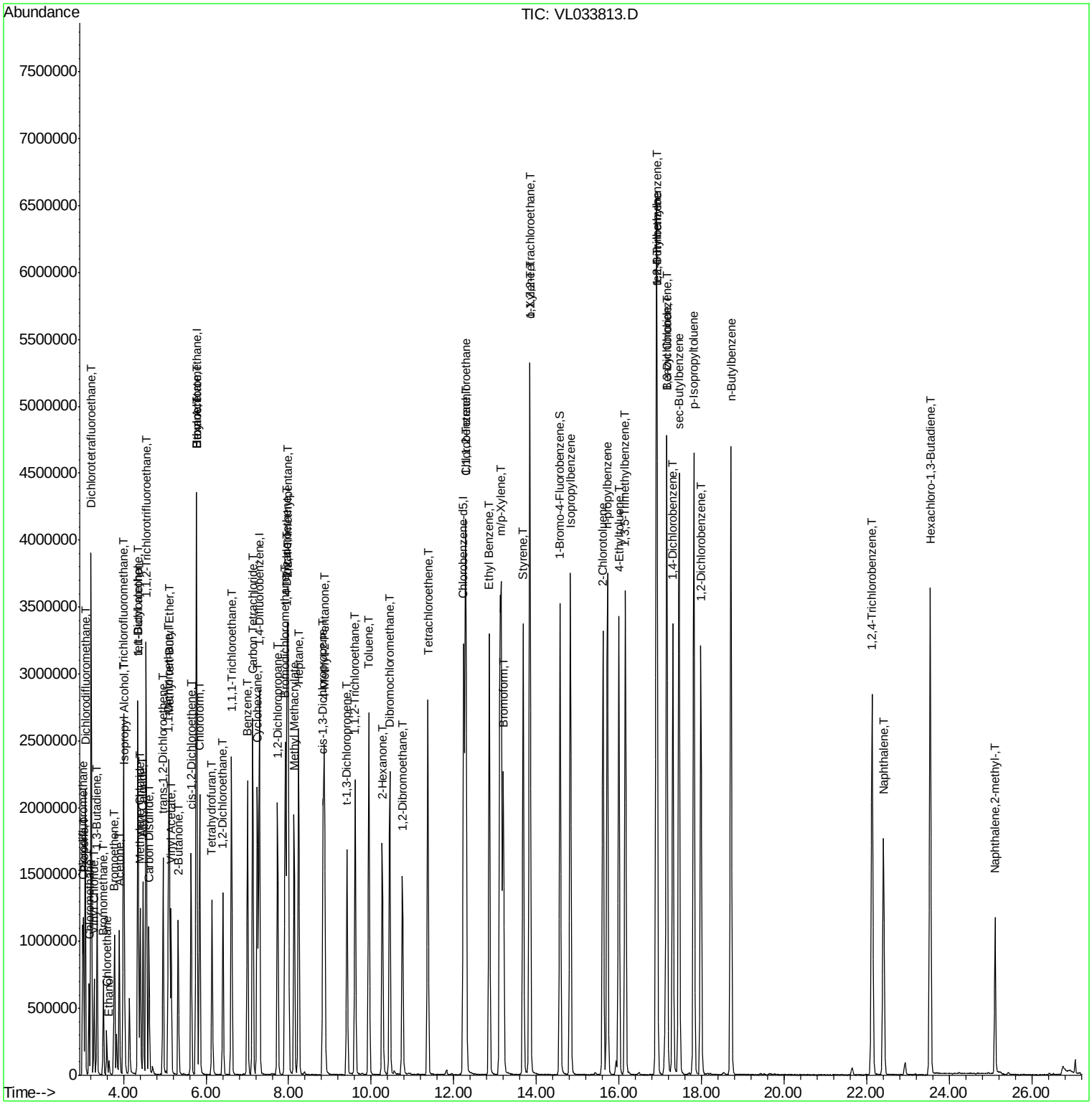
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

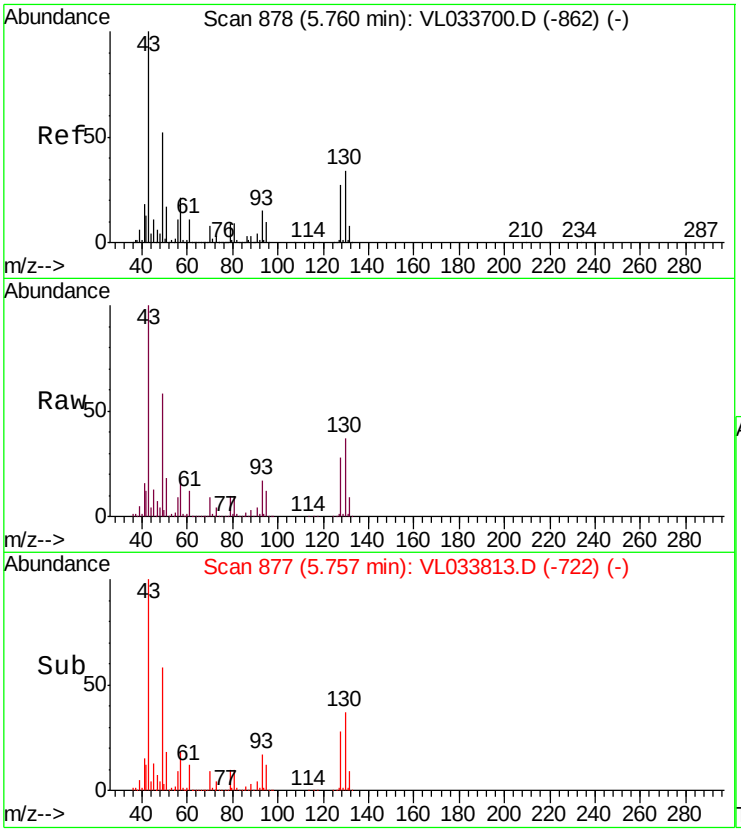
Quantitation Report (Not Reviewed)

Data File : VL033813.D
Acq On : 28 May 2019 21:14
Operator : SY/AP
Sample : VL0528ABS02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Quant Time: May 29 05:30:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



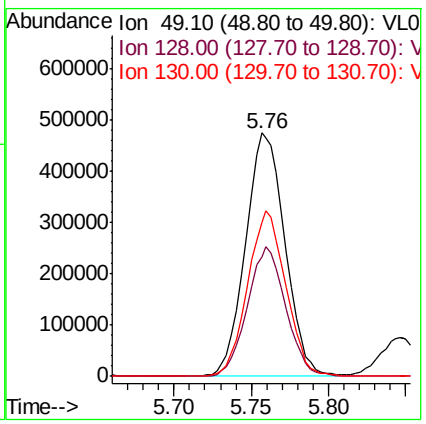


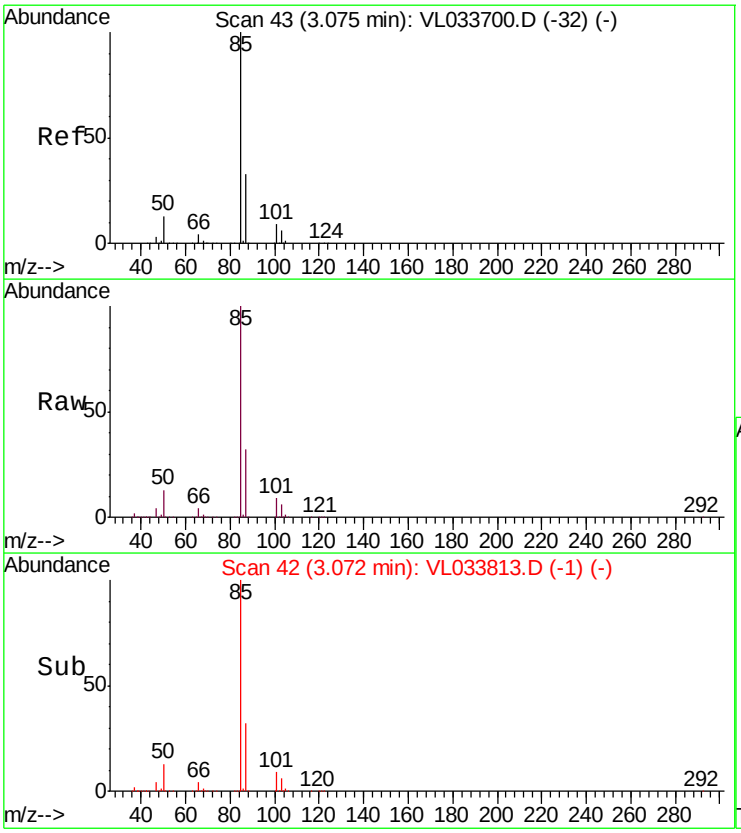
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 49 Resp: 843677

Ion	Ratio	Lower	Upper
49	100		
128	51.7	25.2	75.6
130	65.9	32.5	97.5

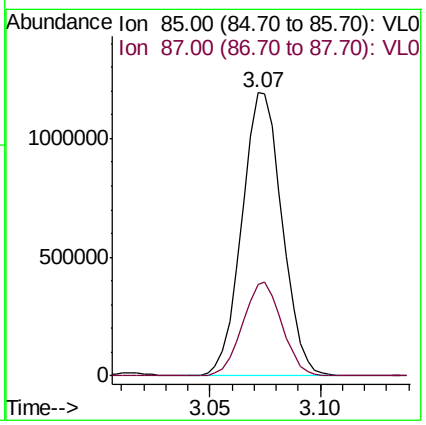


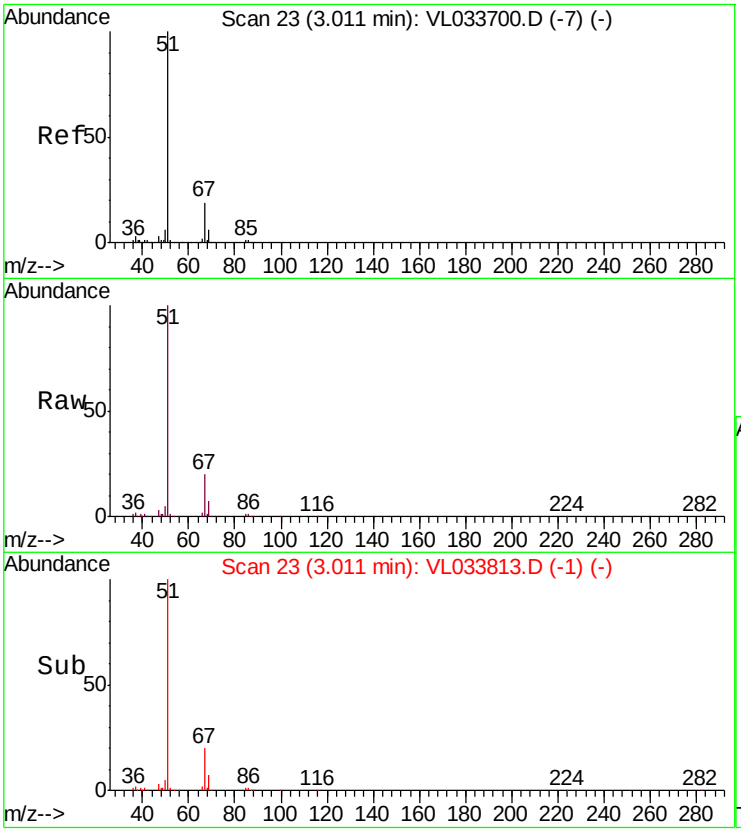


#2
Dichlorodifluoromethane
Concen: 8.472 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 85 Resp: 1506386

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.3	39.5



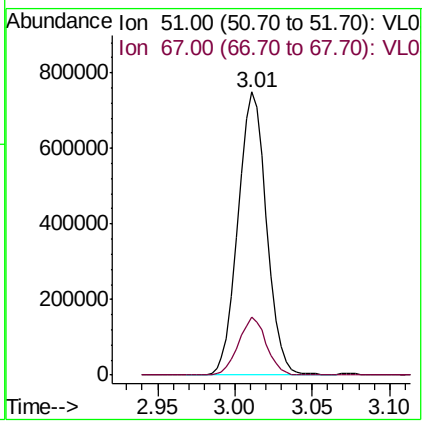


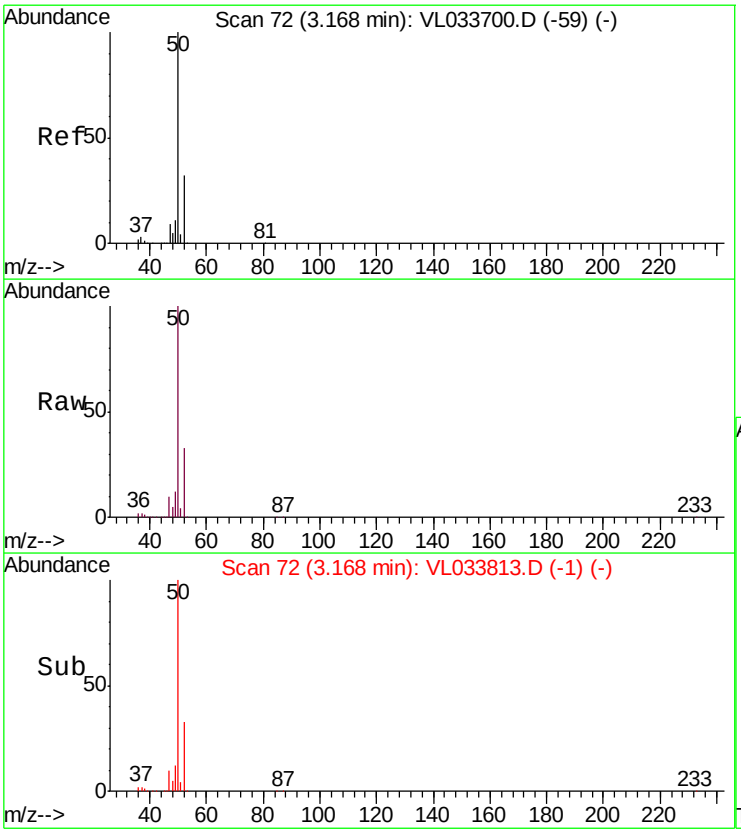
#3
Chlorodifluoromethane
Concen: 9.926 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 51 Resp: 959232

Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.6	23.4

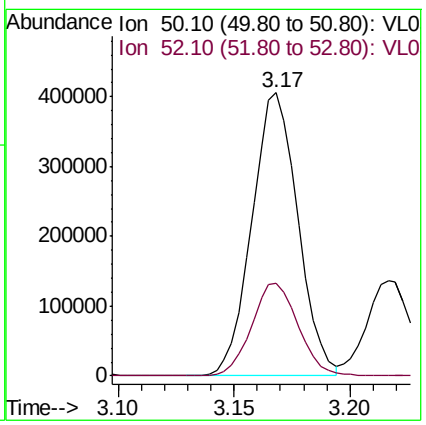


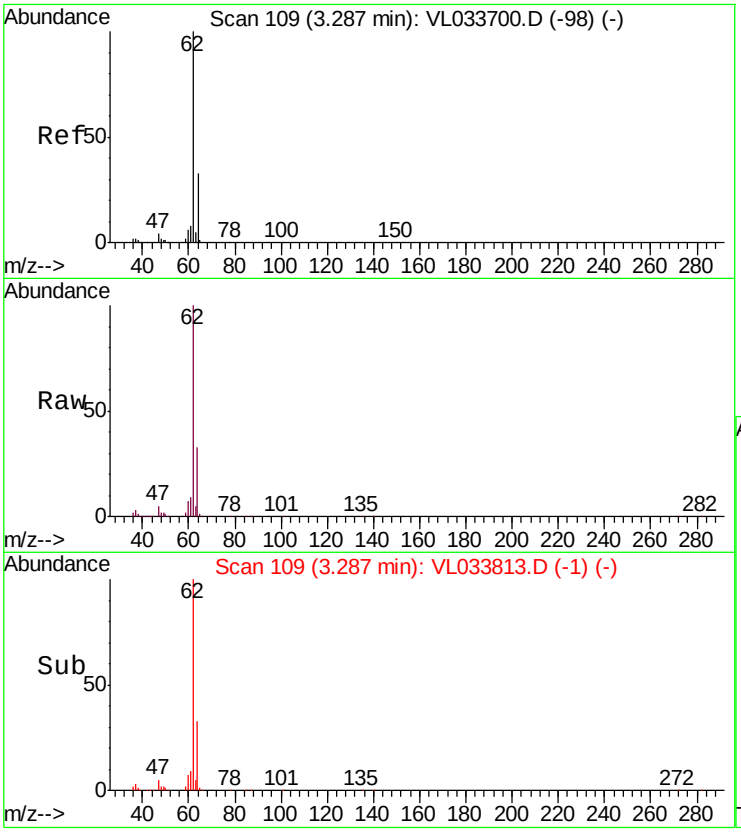


#4
Chloromethane
Concen: 10.143 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 50 Resp: 560657

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5



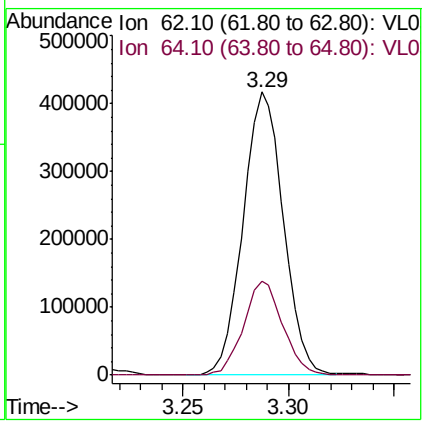


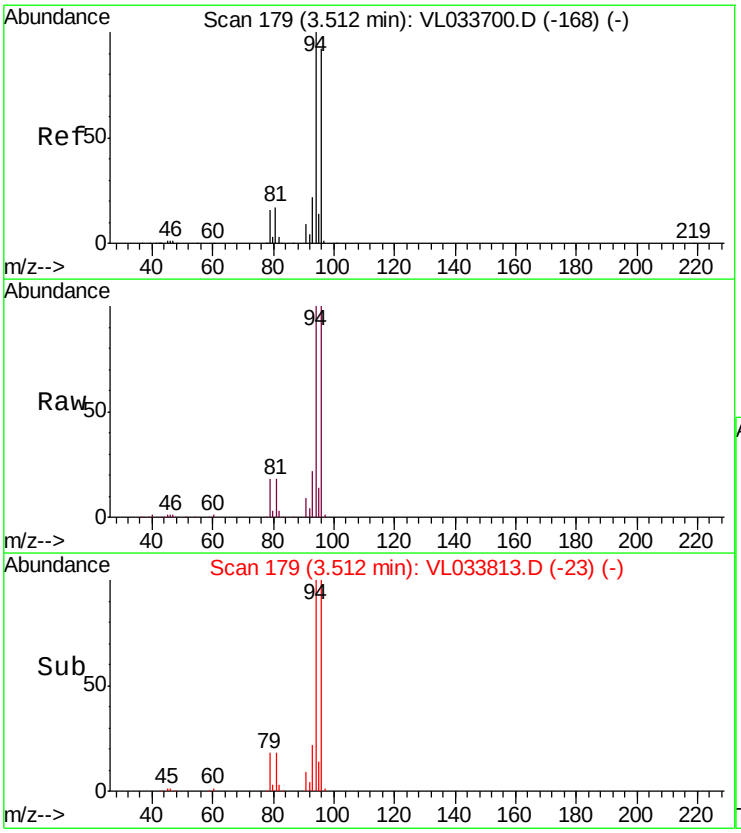
#5
Vinyl Chloride
Concen: 9.873 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 62 Resp: 555896

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.4	39.6

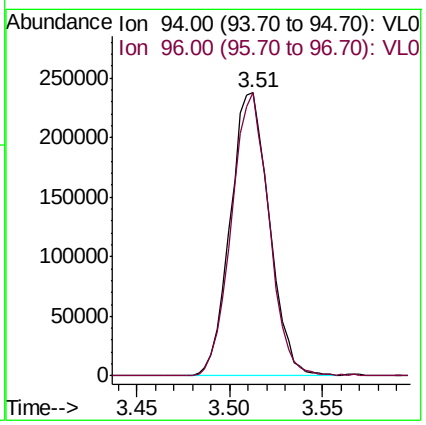


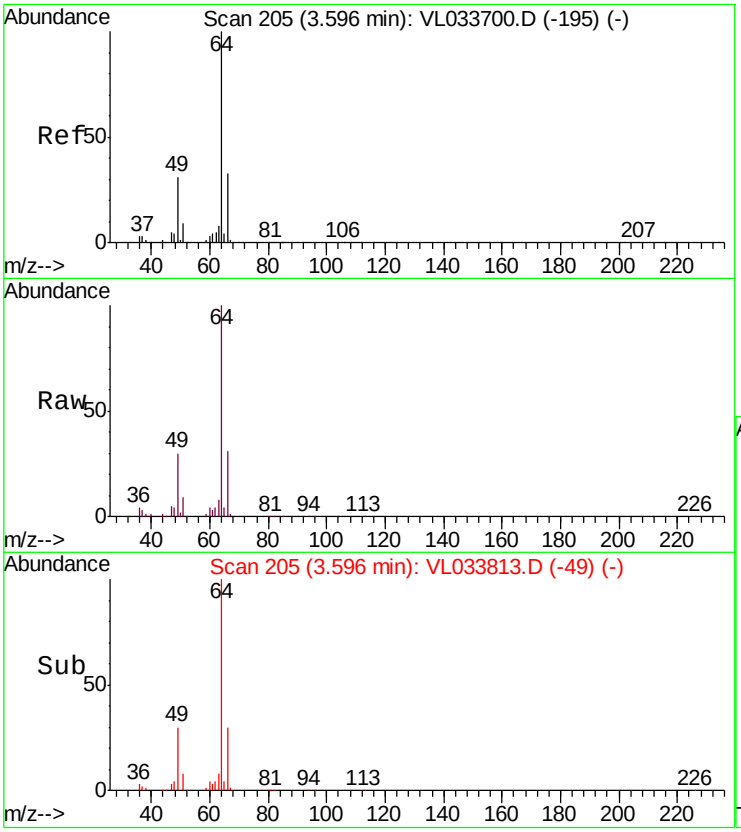


#6
Bromomethane
Concen: 10.118 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 94 Resp: 347626

Ion	Ratio	Lower	Upper
94	100		
96	99.8	73.6	110.4



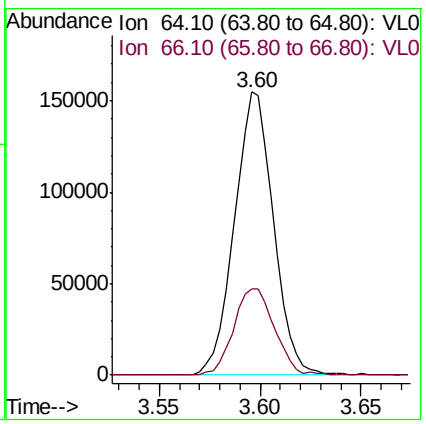


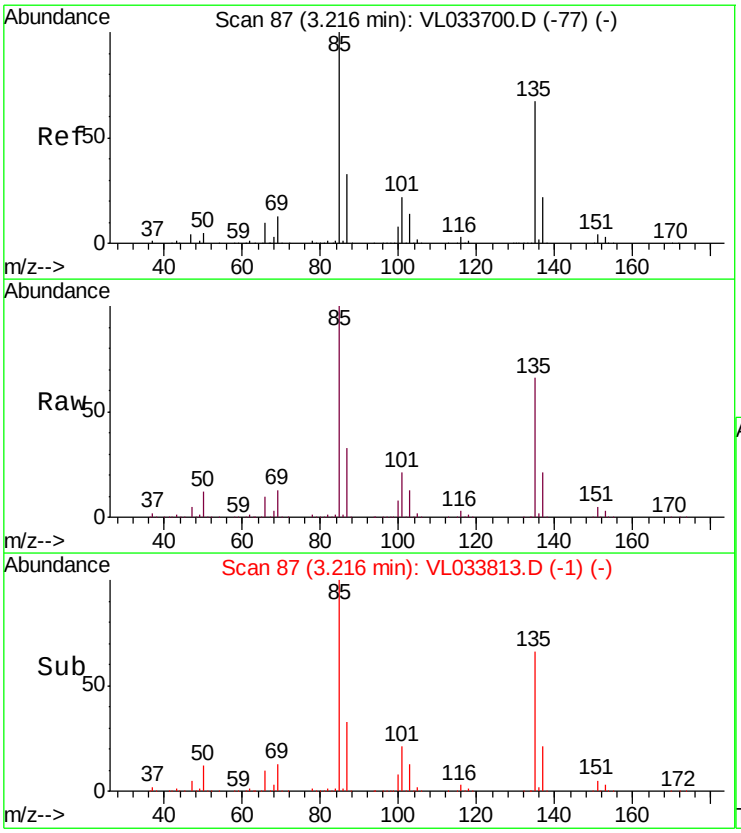
#7
Chloroethane
Concen: 10.499 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 64 Resp: 210090

Ion	Ratio	Lower	Upper
64	100		
66	30.7	26.6	40.0

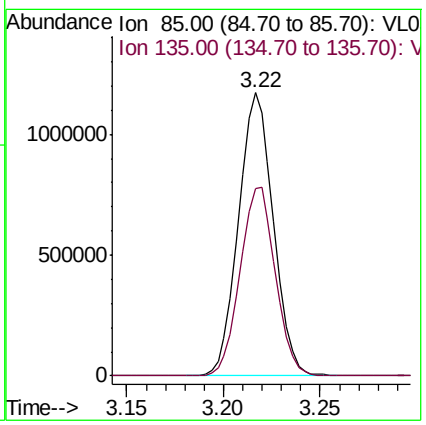


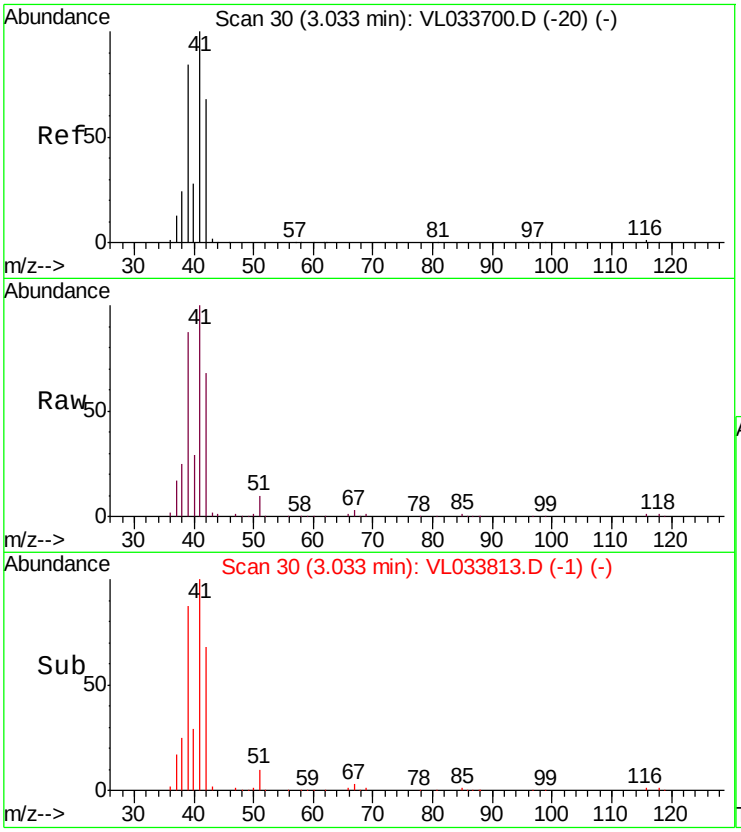


#8
Dichlorotetrafluoroethane
Concen: 10.203 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 85 Resp: 1462599

Ion	Ratio	Lower	Upper
85	100		
135	67.9	54.5	81.7



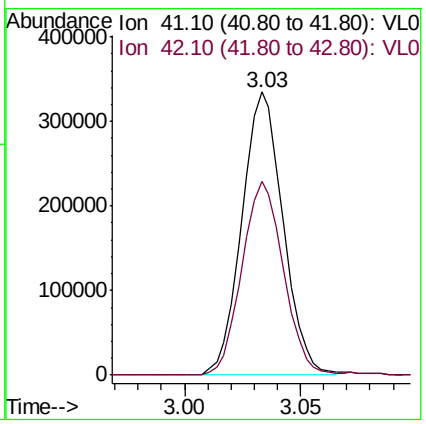


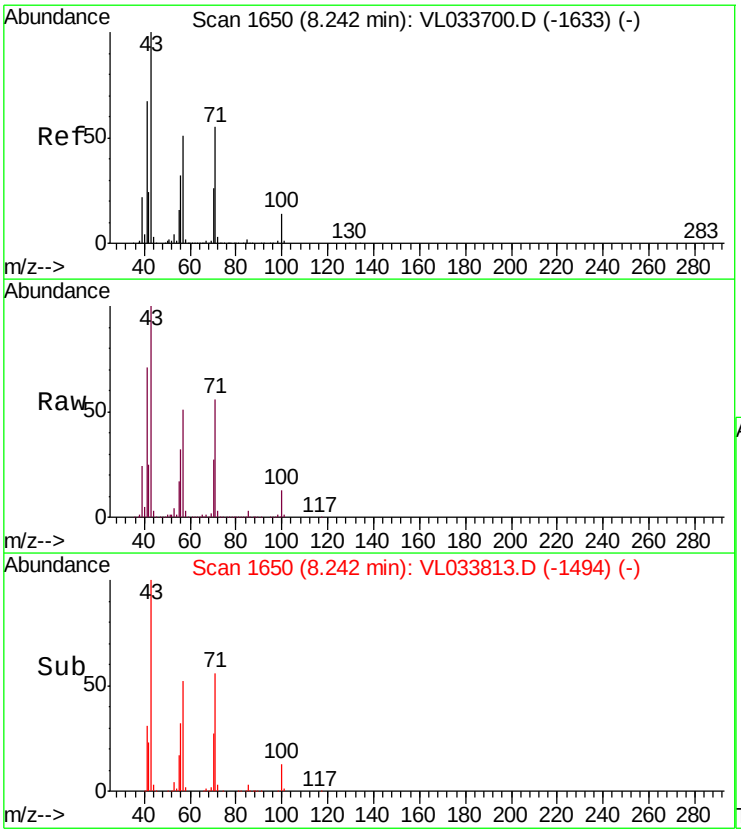
#9
Propene
Concen: 10.049 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 41 Resp: 413057

Ion	Ratio	Lower	Upper
41	100		
42	69.5	56.1	84.1

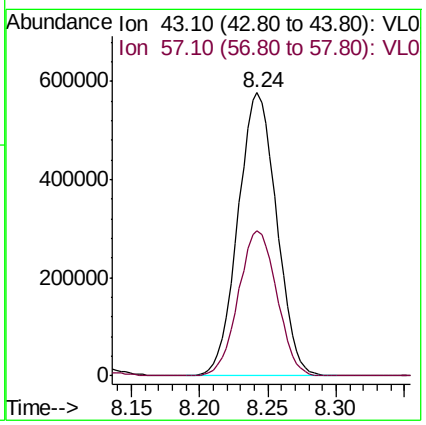


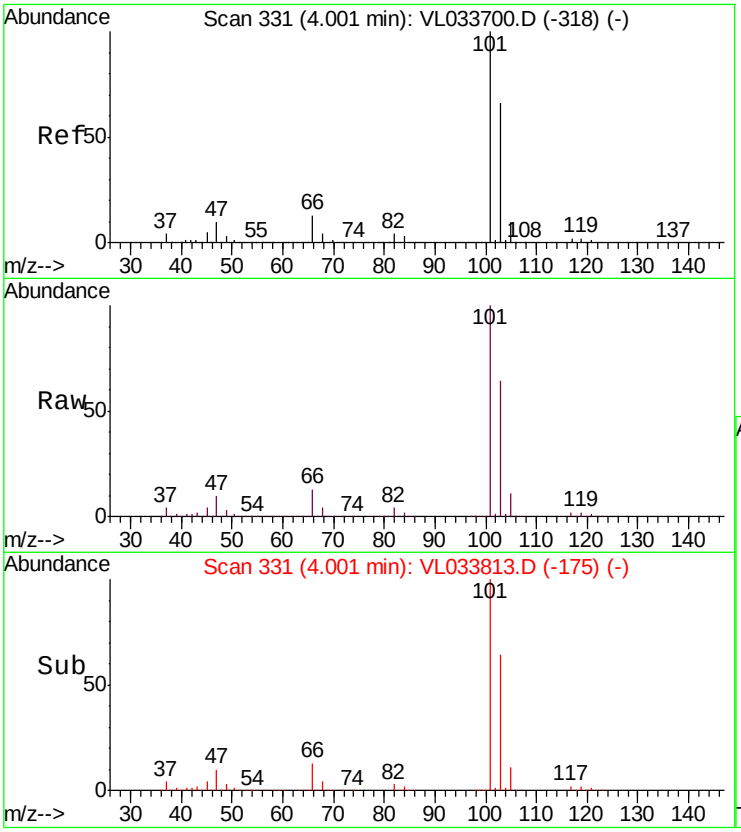


#10
Heptane
Concen: 9.712 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 43 Resp: 1130505

Ion	Ratio	Lower	Upper
43	100		
57	51.5	41.4	62.0



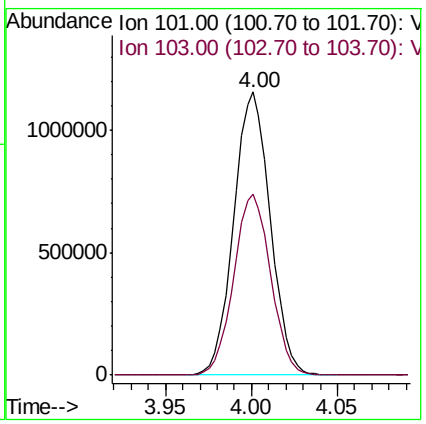


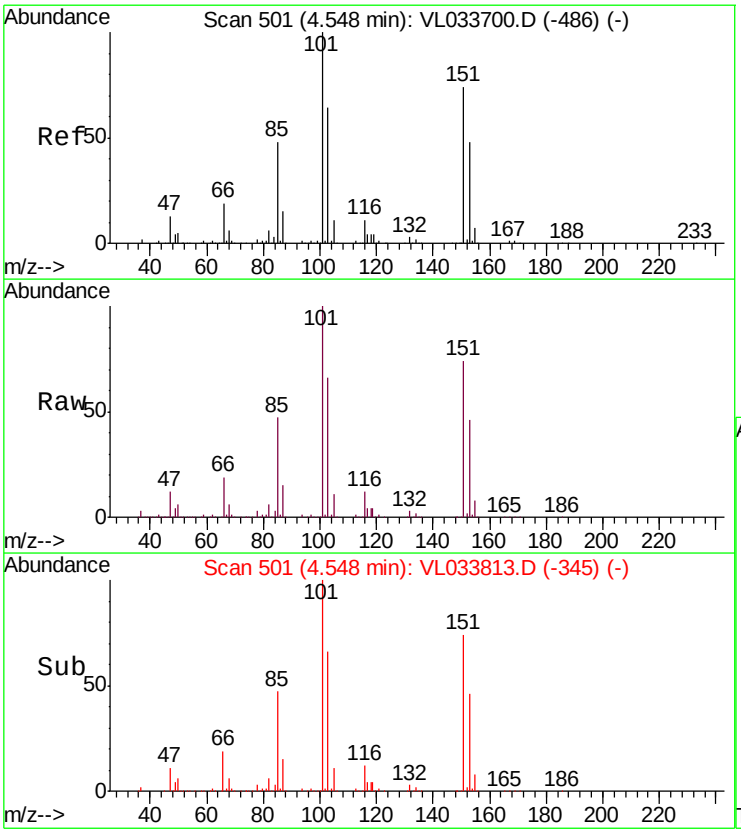
#11
Trichlorofluoromethane
Concen: 10.075 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:101 Resp: 1709650

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	78.8

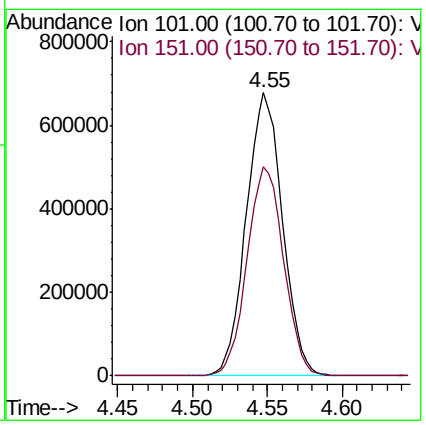


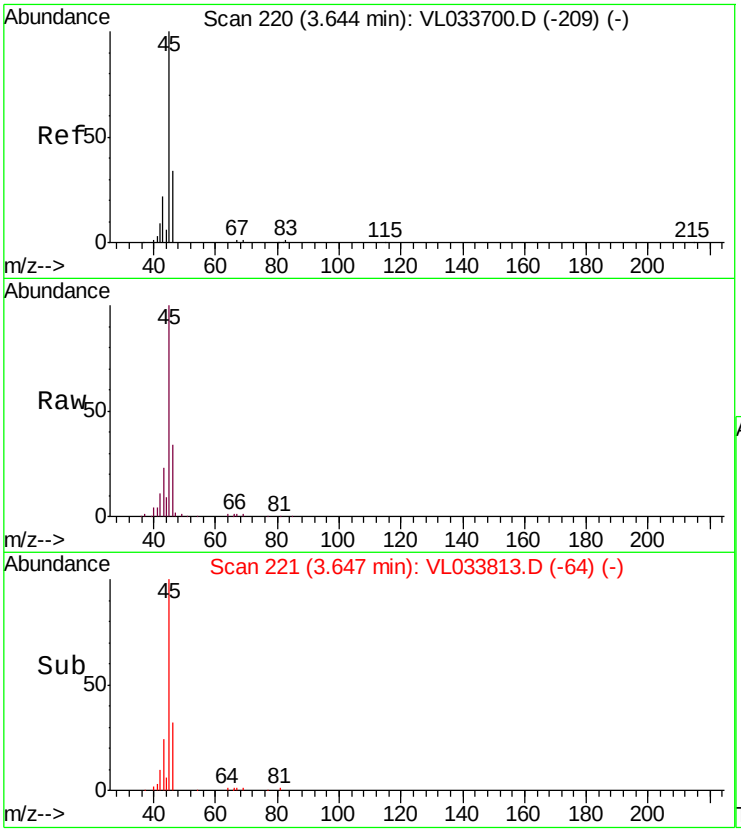


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.669 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:101 Resp: 1145794

Ion	Ratio	Lower	Upper
101	100		
151	74.7	58.2	87.4



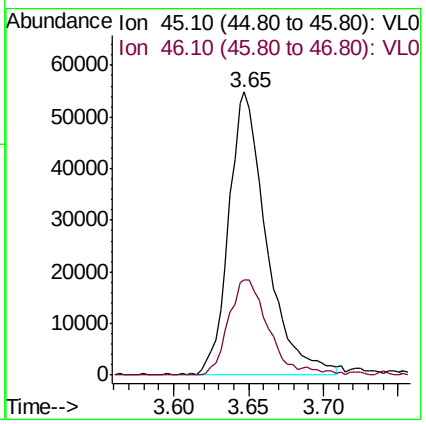


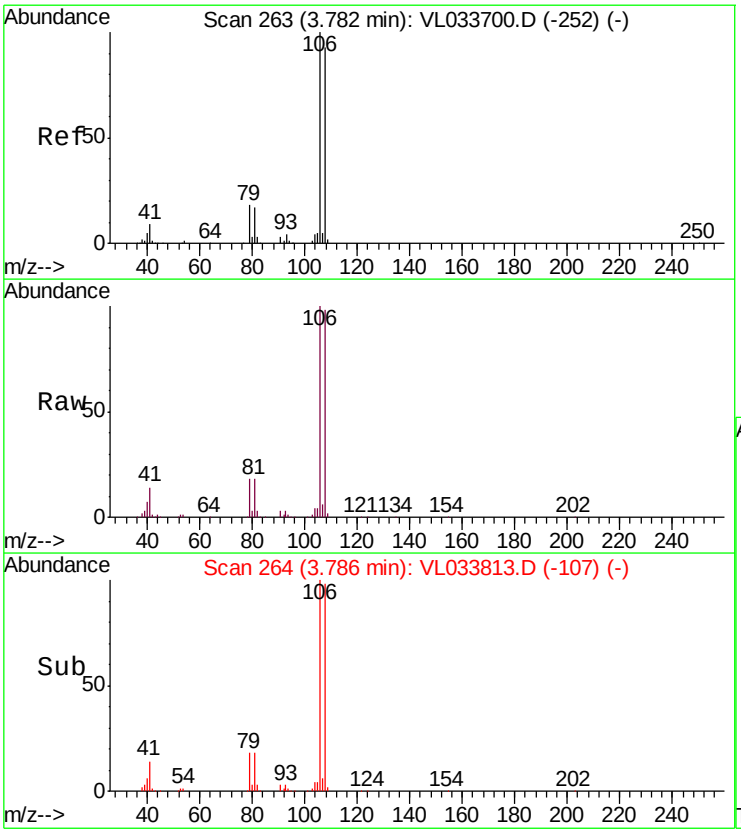
#13
Ethanol
Concen: 7.266 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 45 Resp: 96527

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.8	59.0

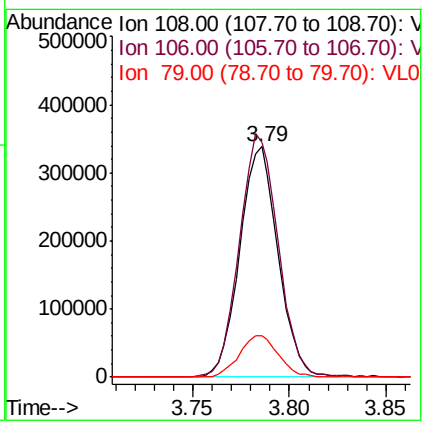


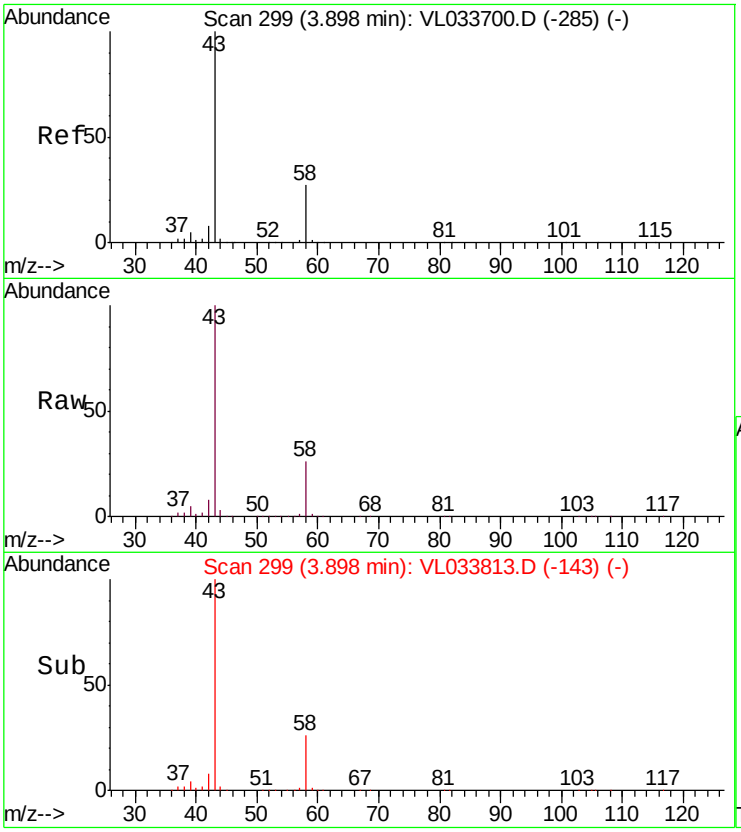


#14
Bromoethene
Concen: 10.724 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:108 Resp: 467167

Ion	Ratio	Lower	Upper
108	100		
106	107.2	86.5	129.7
79	18.7	15.1	22.7



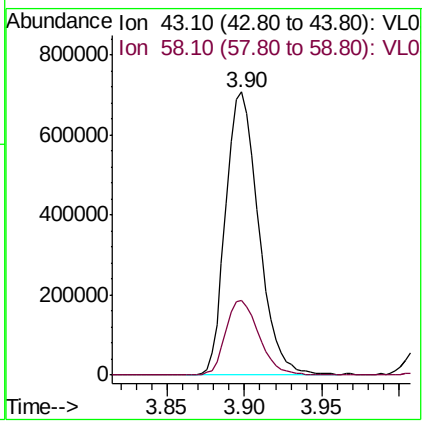


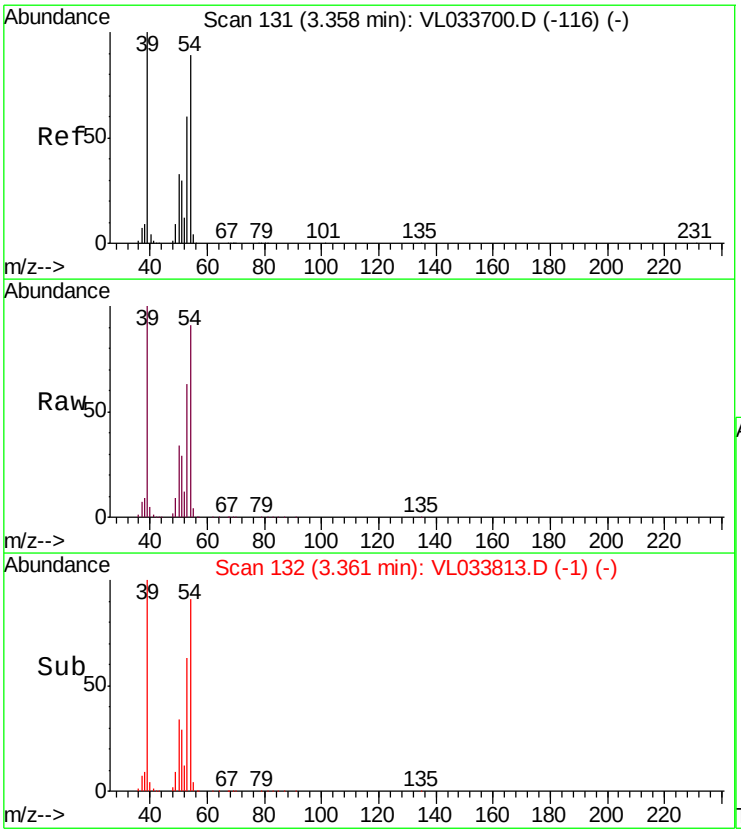
#15
Acetone
Concen: 8.927 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 43 Resp: 1044912

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.3	31.9

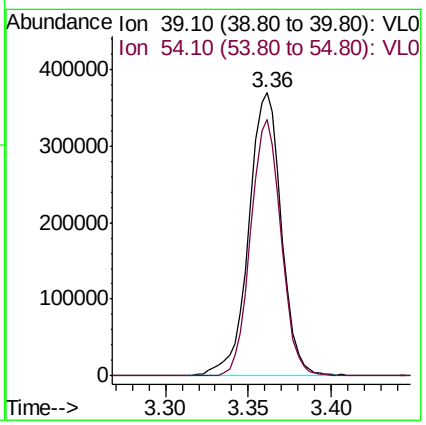


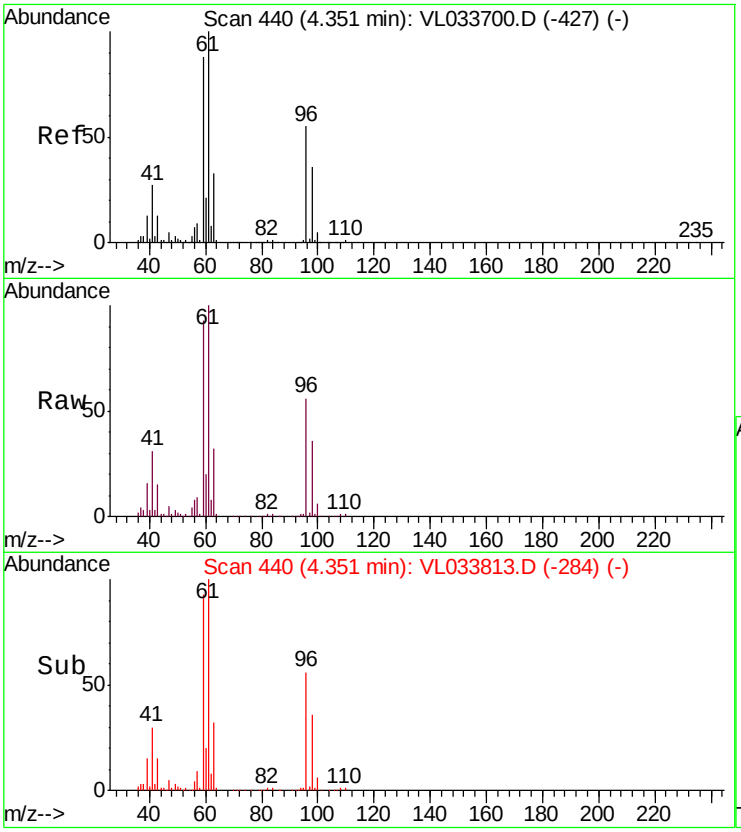


#16
1,3-Butadiene
Concen: 10.769 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 39 Resp: 502011

Ion	Ratio	Lower	Upper
39	100		
54	85.3	69.0	103.6



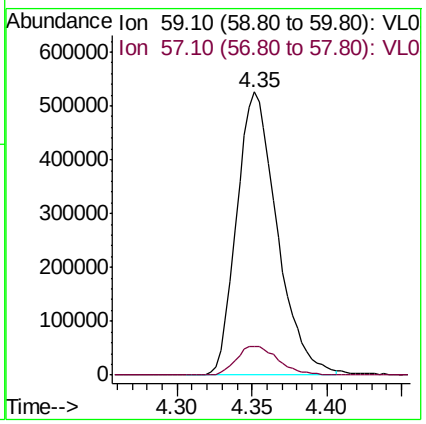


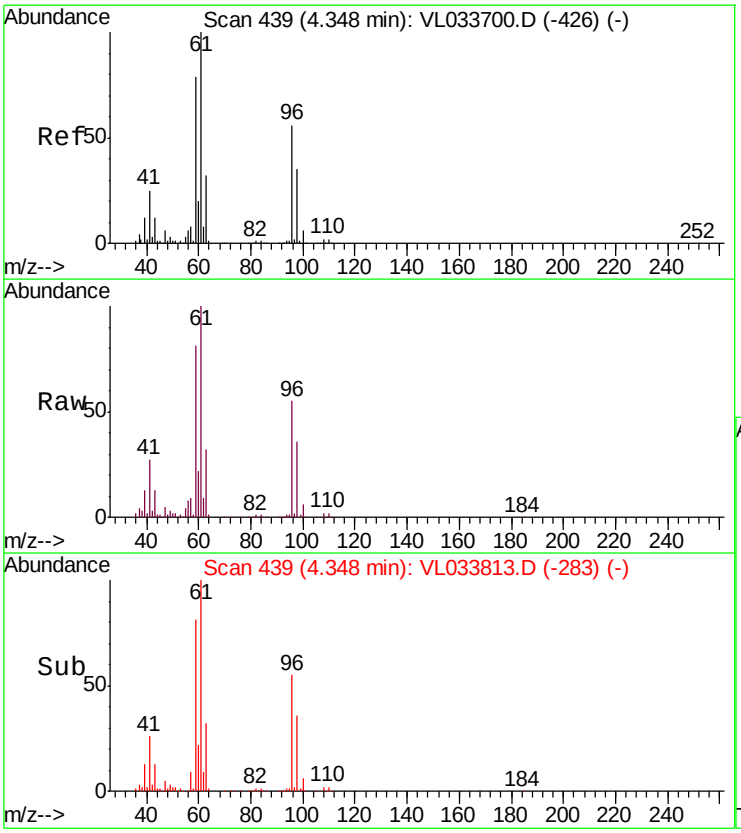
#17
tert-Butyl alcohol
Concen: 10.453 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 59 Resp: 989440

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

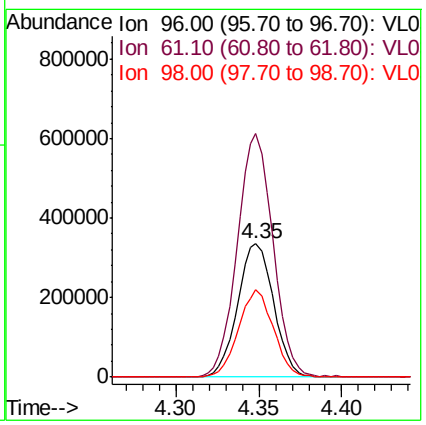


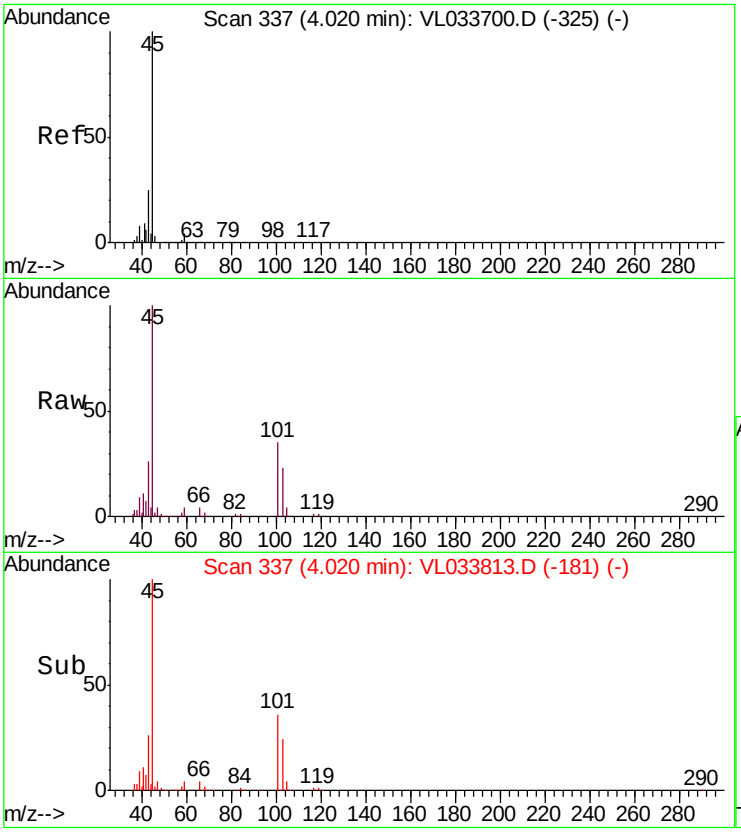


#18
1,1-Dichloroethene
Concen: 10.154 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 96 Resp: 507894

Ion	Ratio	Lower	Upper
96	100		
61	182.5	143.1	214.7
98	65.6	49.5	74.3



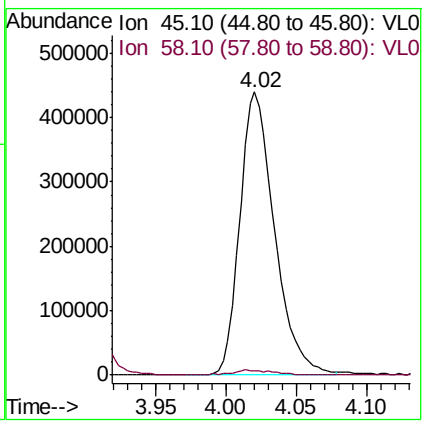


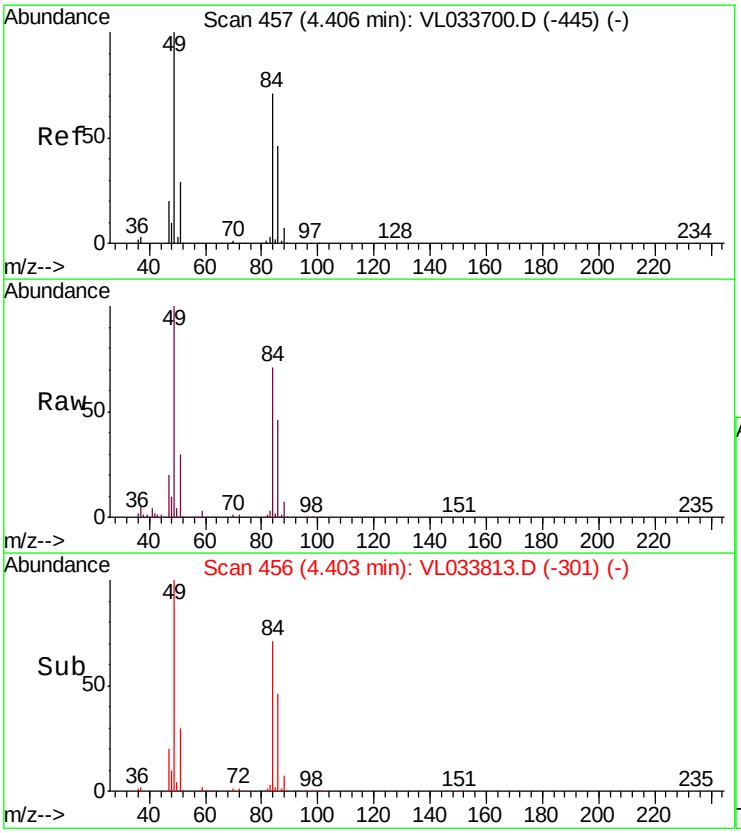
#19
Isopropyl Alcohol
Concen: 10.061 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 45 Resp: 759386

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.6	2.4#

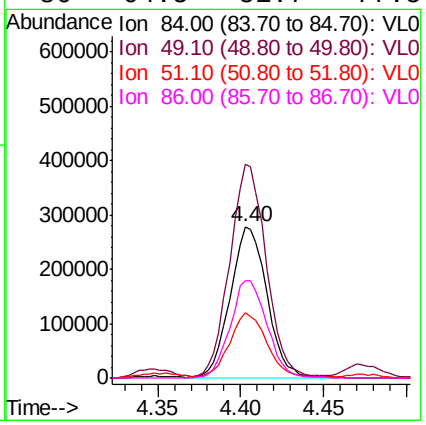


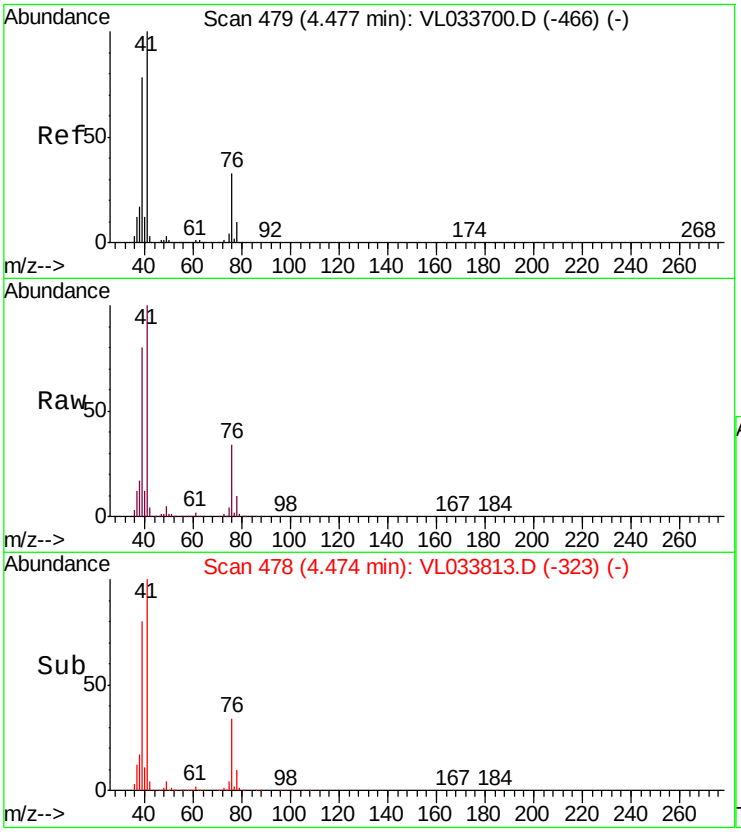


#20
Methylene Chloride
Concen: 9.409 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 84 Resp: 424054

Ion	Ratio	Lower	Upper
84	100		
49	140.1	112.8	169.2
51	41.9	33.4	50.0
86	64.5	51.7	77.5



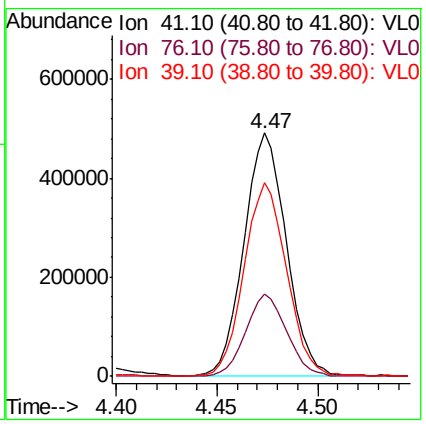


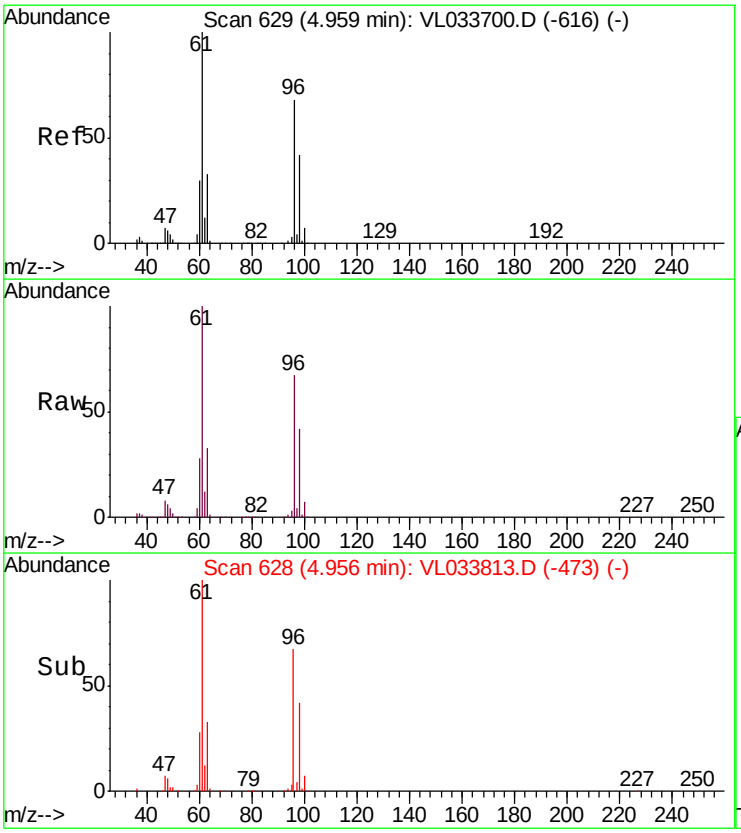
#21
Allyl Chloride
Concen: 9.836 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 41 Resp: 718126

Ion	Ratio	Lower	Upper
41	100		
76	33.0	25.9	38.9
39	81.0	64.6	97.0

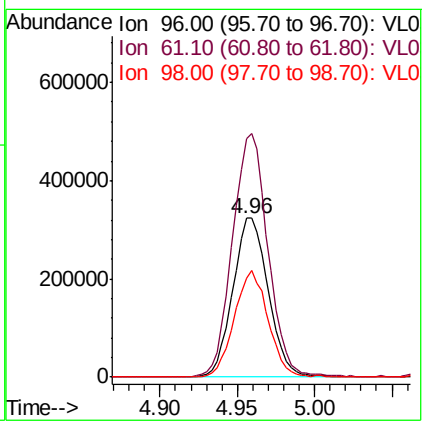


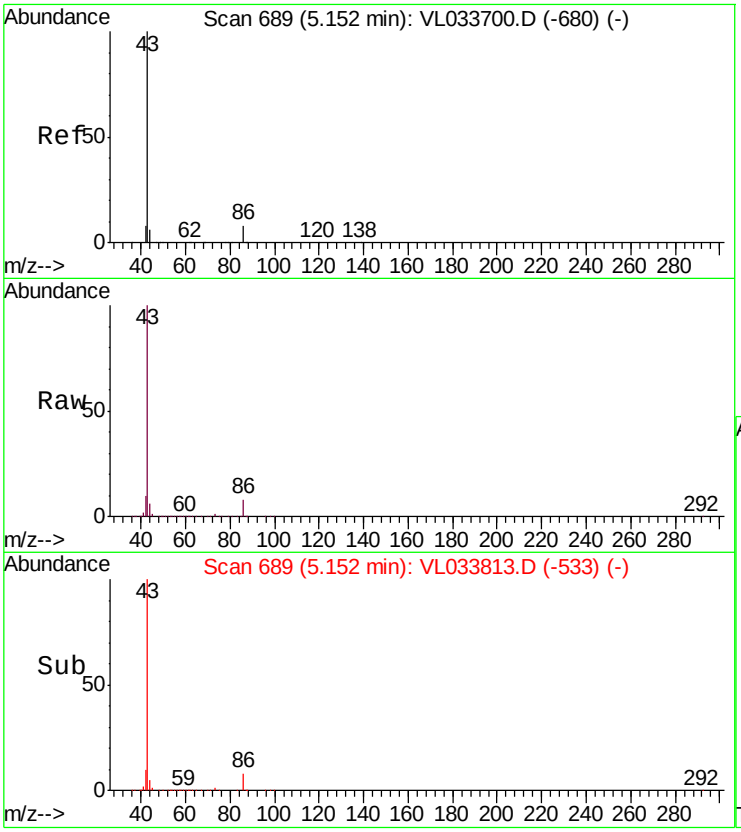


#22
trans-1,2-Dichloroethene
Concen: 10.038 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 96 Resp: 514628

Ion	Ratio	Lower	Upper
96	100		
61	150.1	116.8	175.2
98	62.4	49.4	74.0



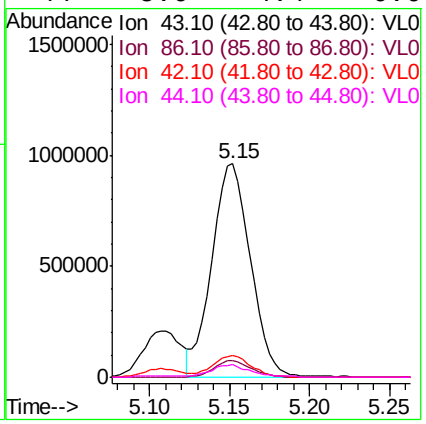


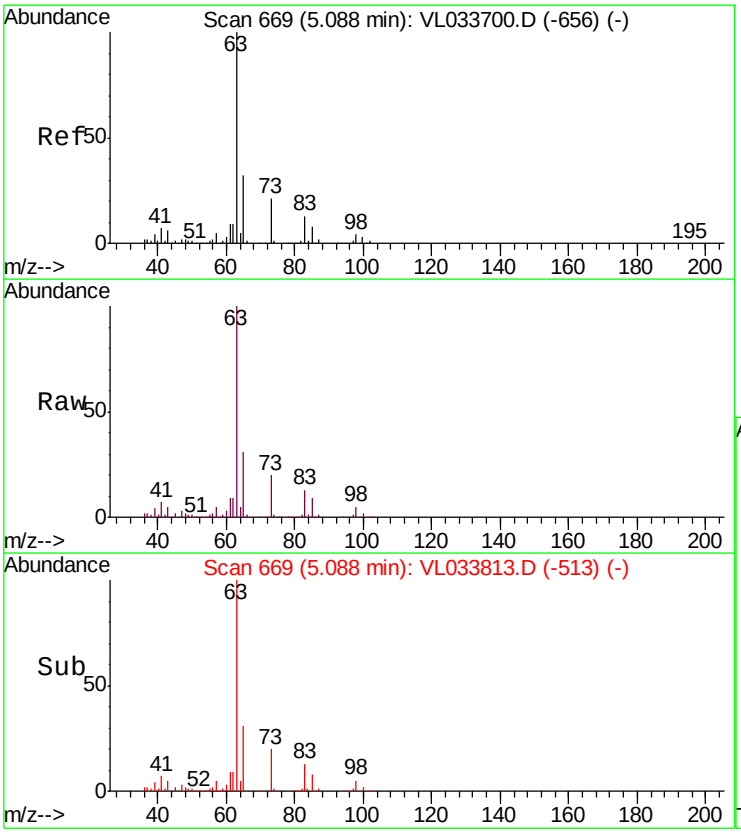
#23
Vinyl Acetate
Concen: 10.340 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 43 Resp: 1595943

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	9.9	7.5	11.3
44	5.6	4.4	6.6

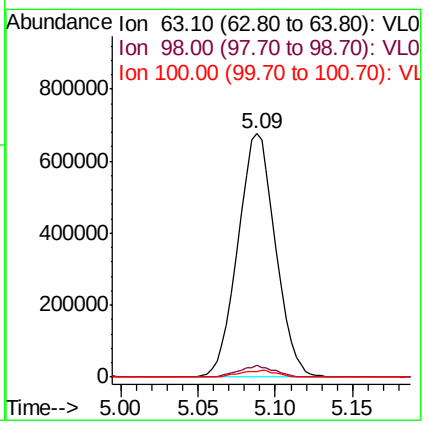


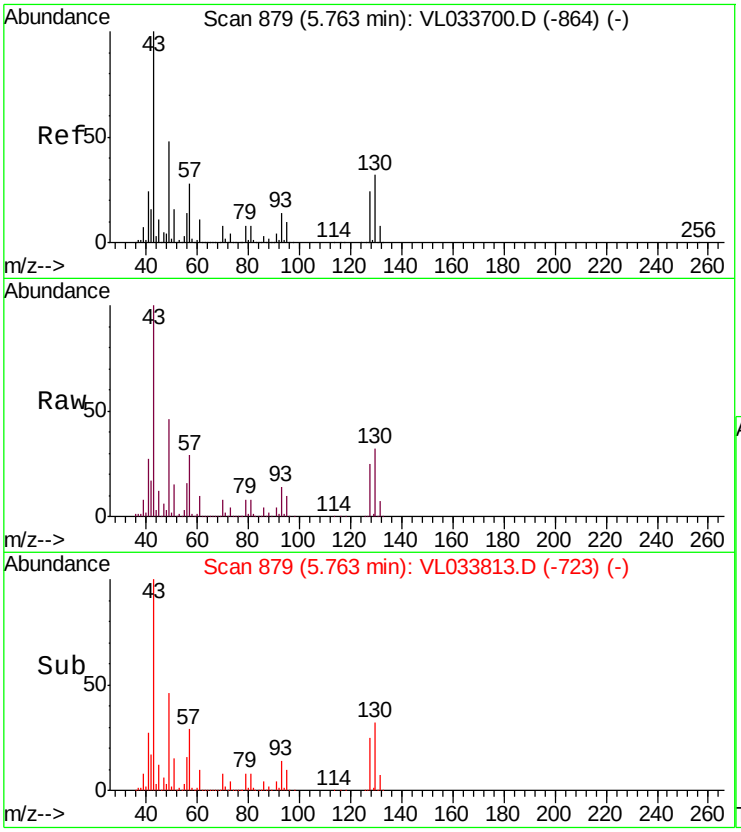


#24
1,1-Dichloroethane
Concen: 9.732 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 63 Resp: 1141772

Ion	Ratio	Lower	Upper
63	100		
98	4.8	1.8	5.5
100	2.3	1.4	4.2



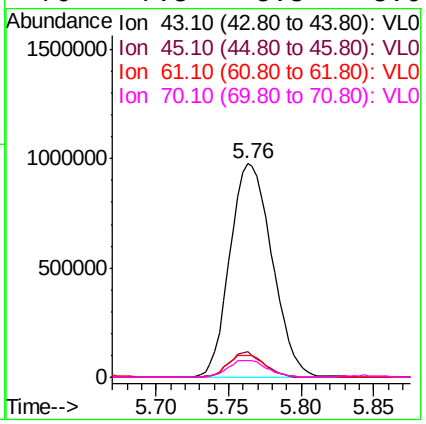


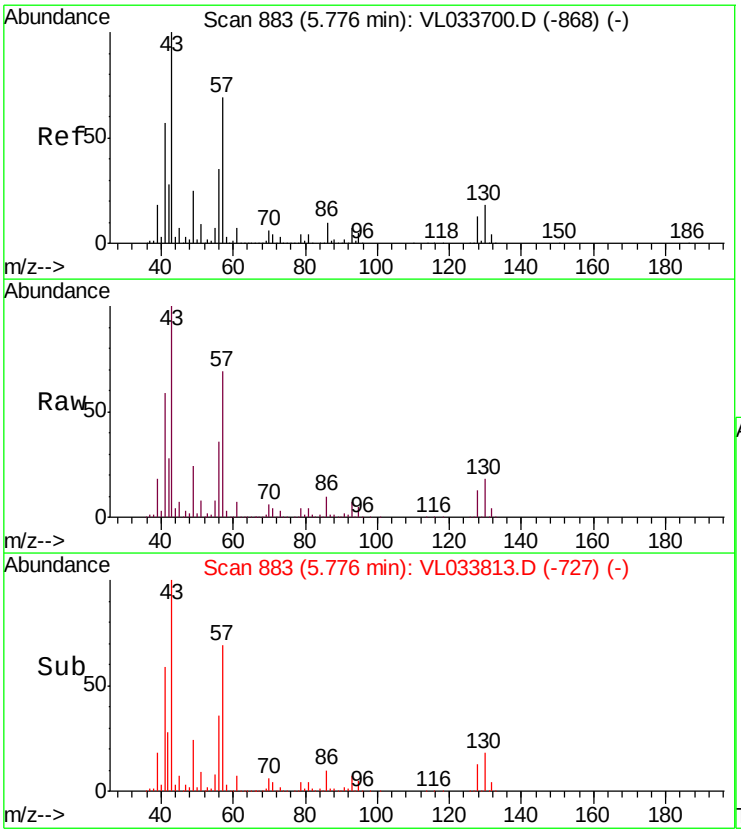
#25
Ethyl Acetate
Concen: 9.584 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 43 Resp: 1970664

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.3	7.7	11.5
70	7.3	5.8	8.6

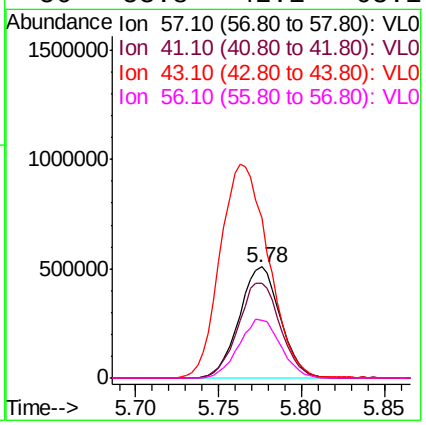


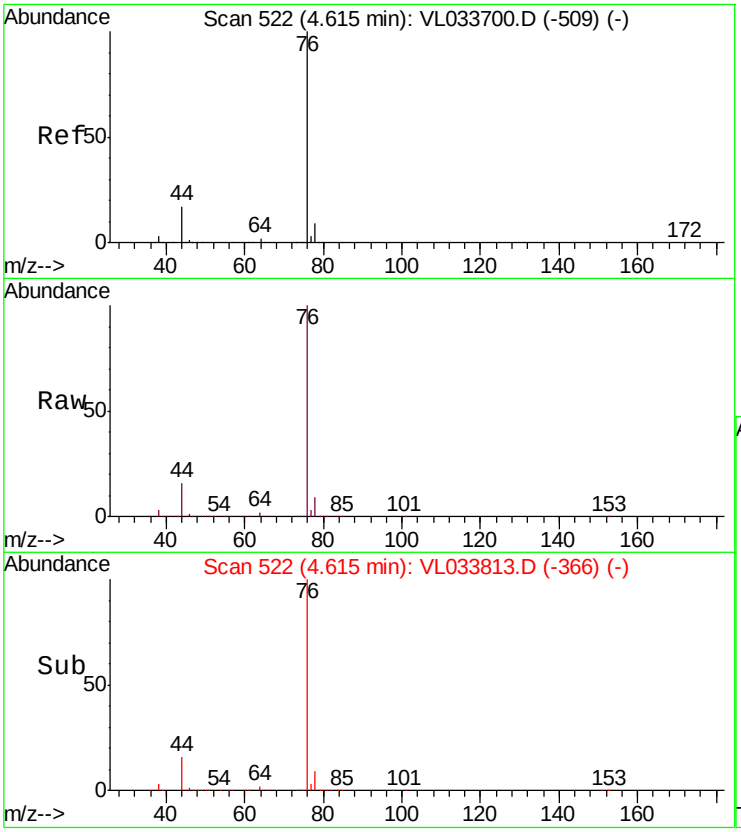


#26
Hexane
Concen: 9.865 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 57 Resp: 872081

Ion	Ratio	Lower	Upper
57	100		
41	88.3	69.8	104.6
43	227.1	181.8	272.6
56	53.8	42.1	63.1



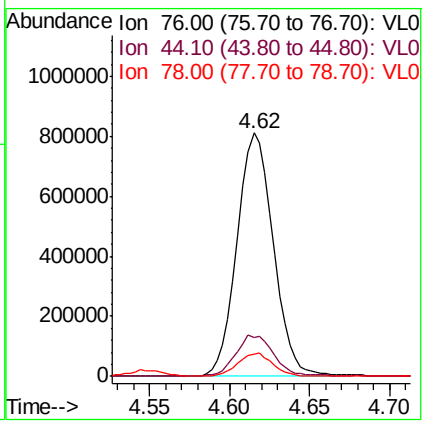


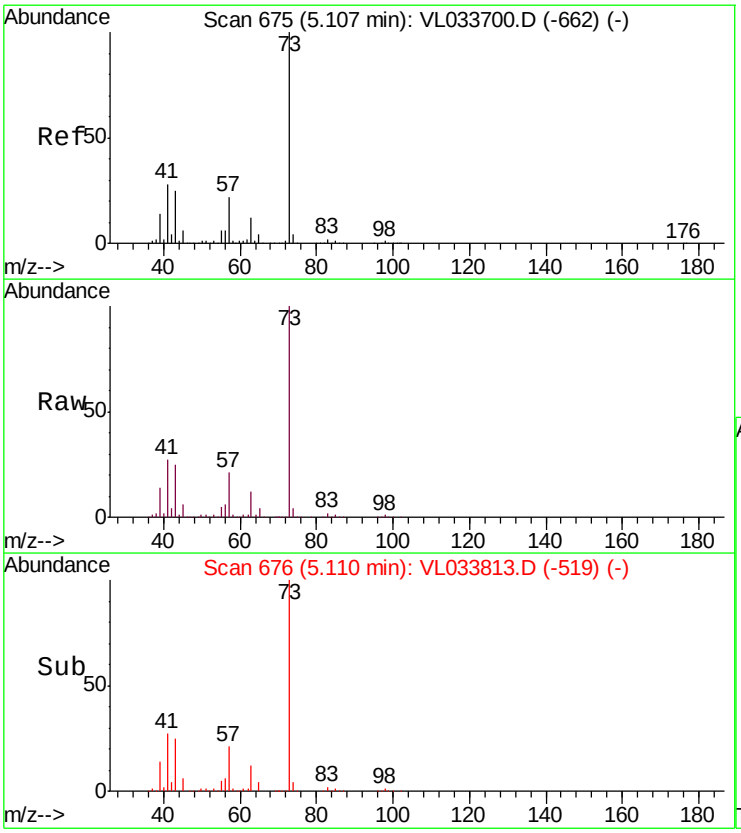
#27
Carbon Disulfide
Concen: 10.323 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 76 Resp: 1251915

Ion	Ratio	Lower	Upper
76	100		
44	17.6	13.8	20.8
78	9.5	7.4	11.0

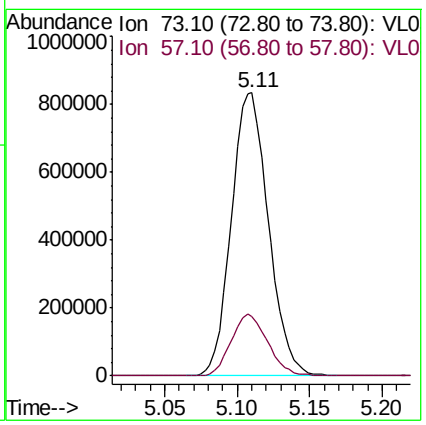


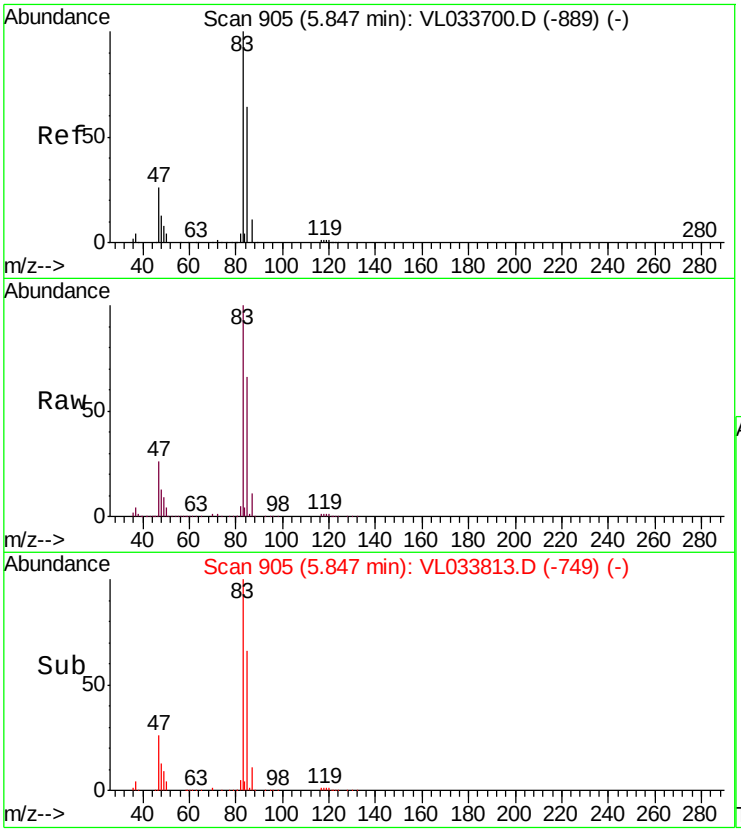


#28
Methyl tert-Butyl Ether
Concen: 10.285 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 73 Resp: 1482159

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



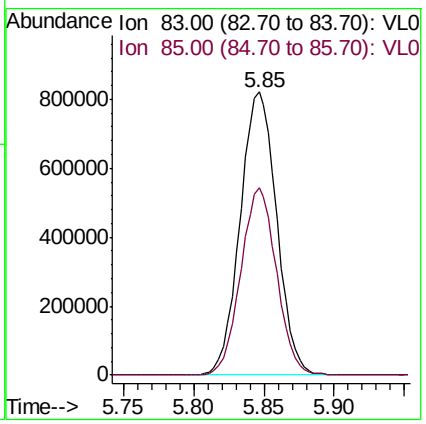


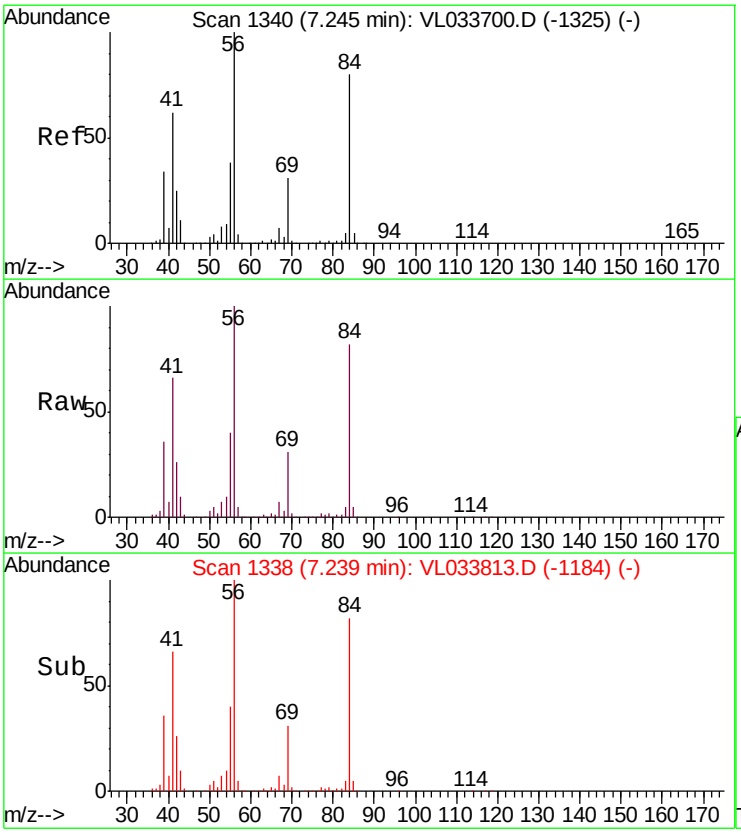
#29
Chloroform
Concen: 9.155 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 83 Resp: 1490709

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3

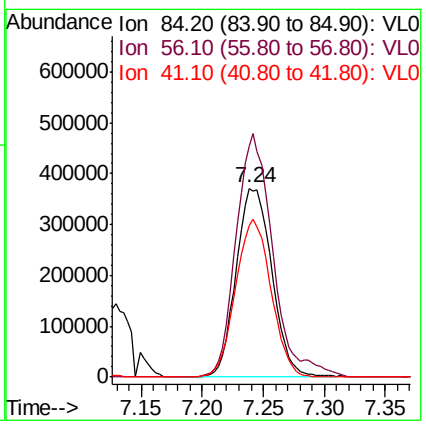


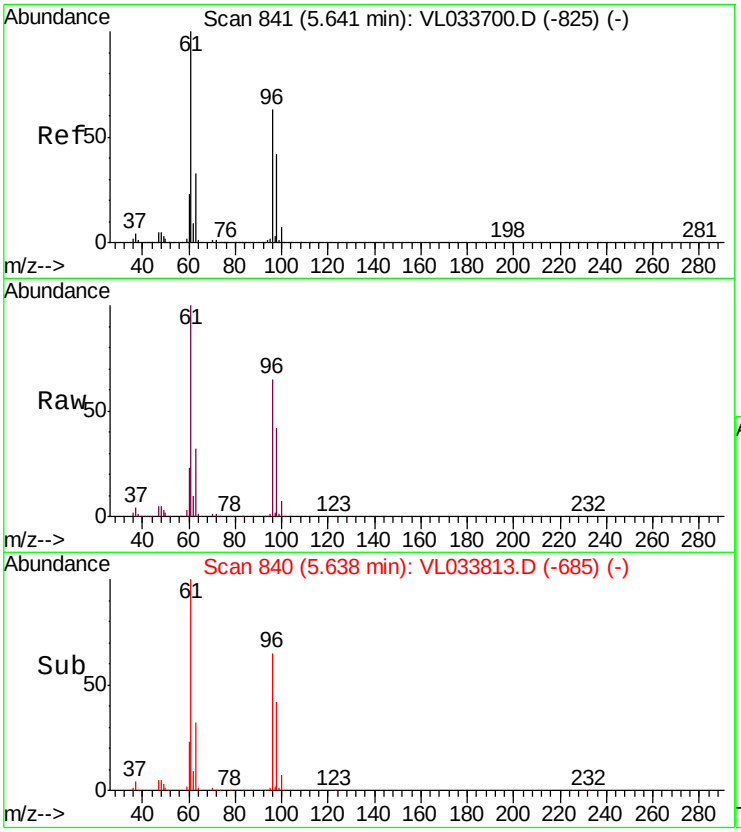


#30
Cyclohexane
Concen: 10.118 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 84 Resp: 751980

Ion	Ratio	Lower	Upper
84	100		
56	132.6	107.7	161.5
41	82.9	66.0	99.0



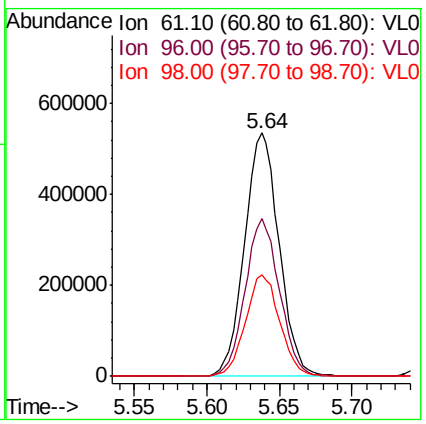


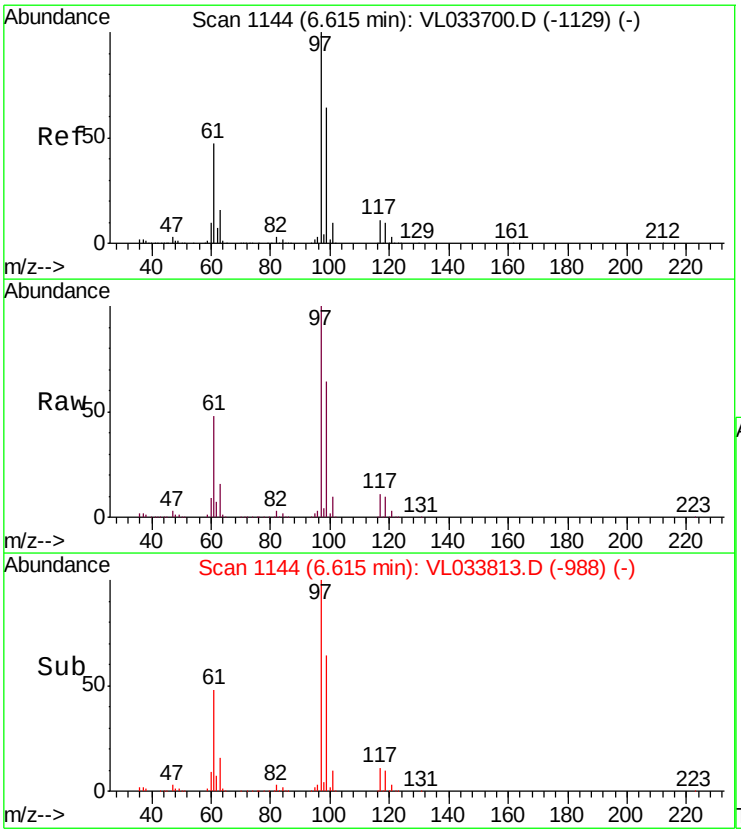
#31
cis-1,2-Dichloroethene
Concen: 10.132 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 61 Resp: 888058

Ion	Ratio	Lower	Upper
61	100		
96	64.7	50.8	76.2
98	41.7	33.3	49.9

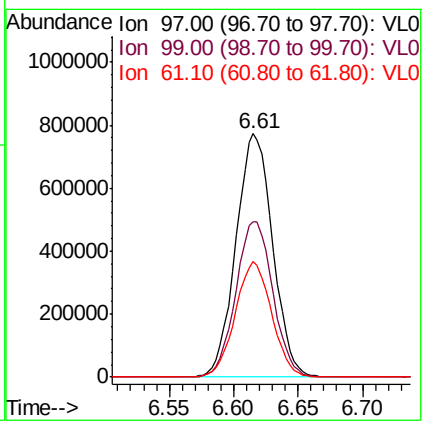


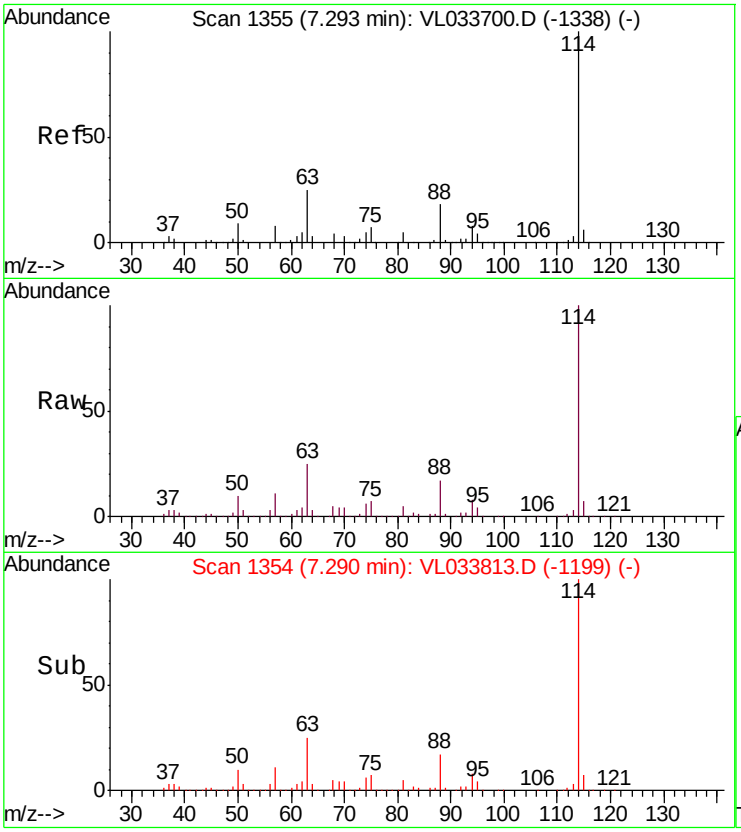


#32
1,1,1-Trichloroethane
Concen: 9.425 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 97 Resp: 1532471

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	47.1	37.8	56.8



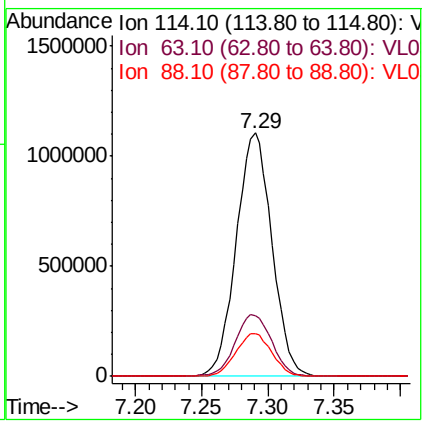


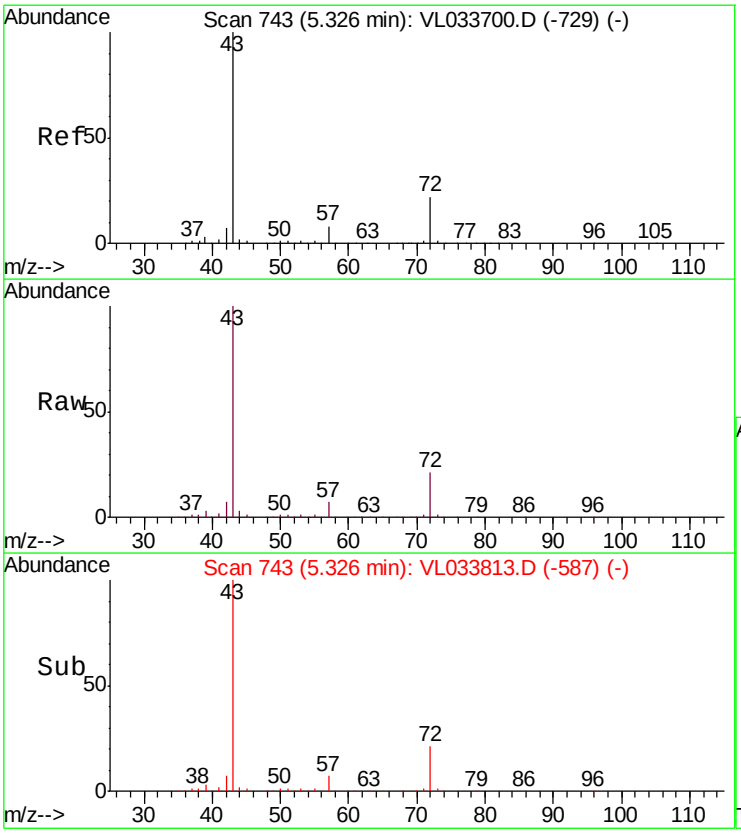
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:114 Resp: 2060070

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.9	31.3
88	18.0	14.3	21.5

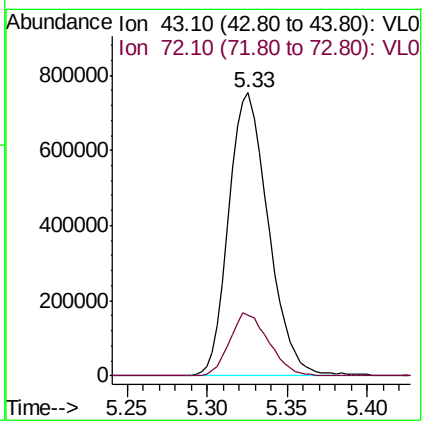


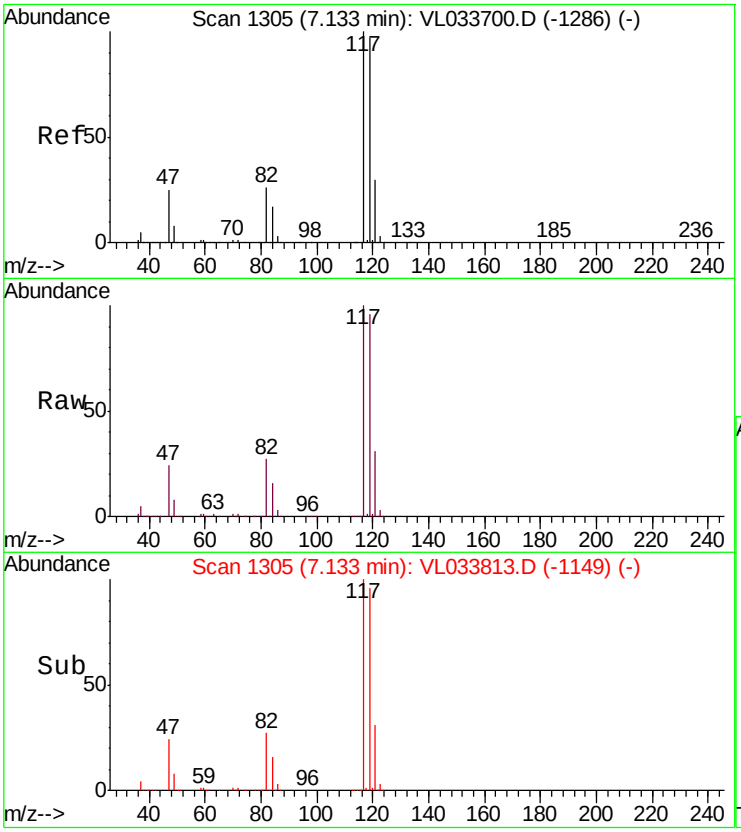


#34
2-Butanone
Concen: 9.955 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 43 Resp: 1271150

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



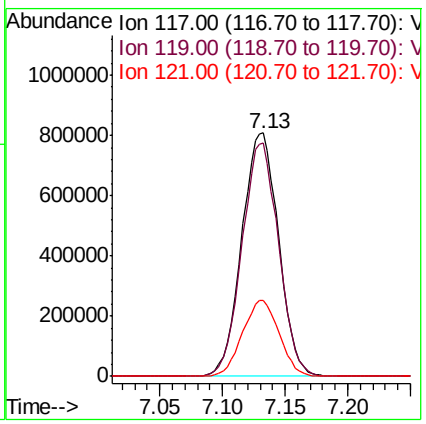


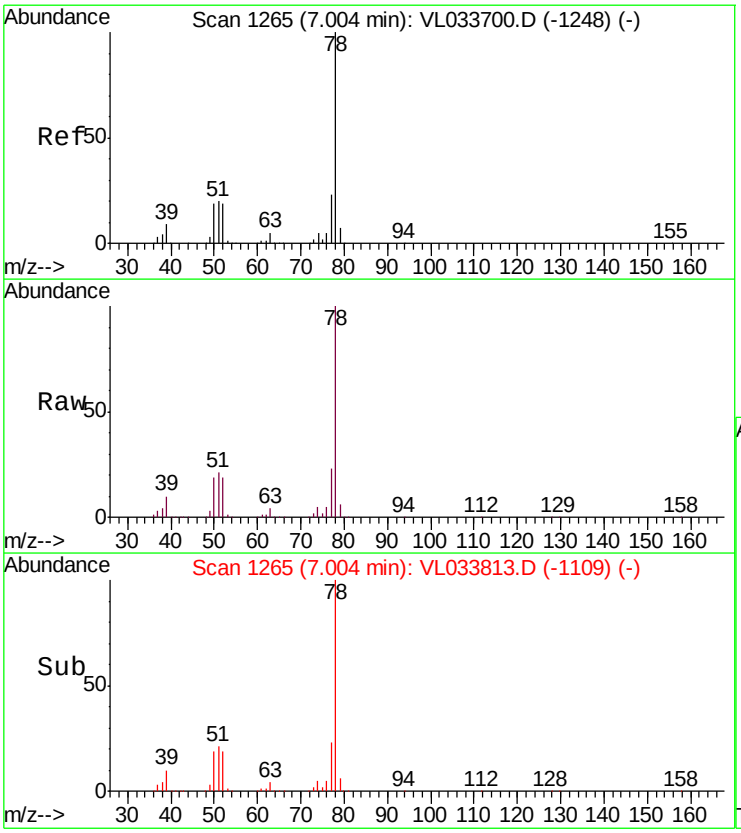
#35
Carbon Tetrachloride
Concen: 9.990 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:117 Resp: 1648559

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.2	115.8
121	31.3	24.1	36.1

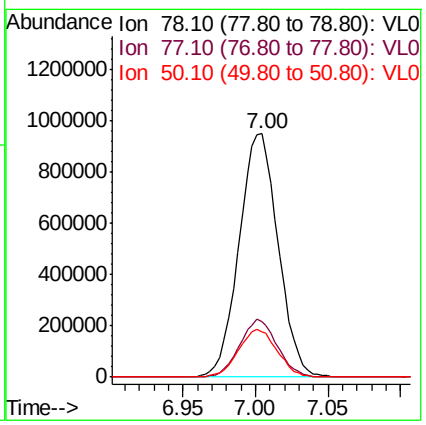


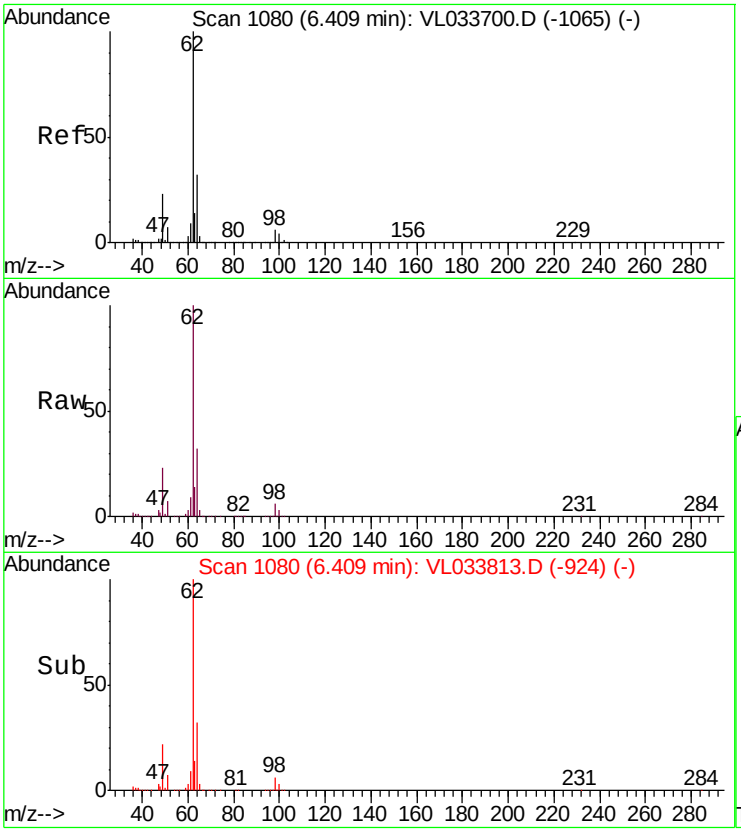


#36
Benzene
Concen: 9.451 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 78 Resp: 1771030

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6
50	18.8	15.5	23.3



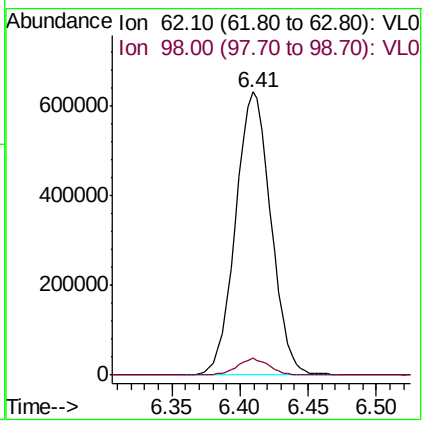


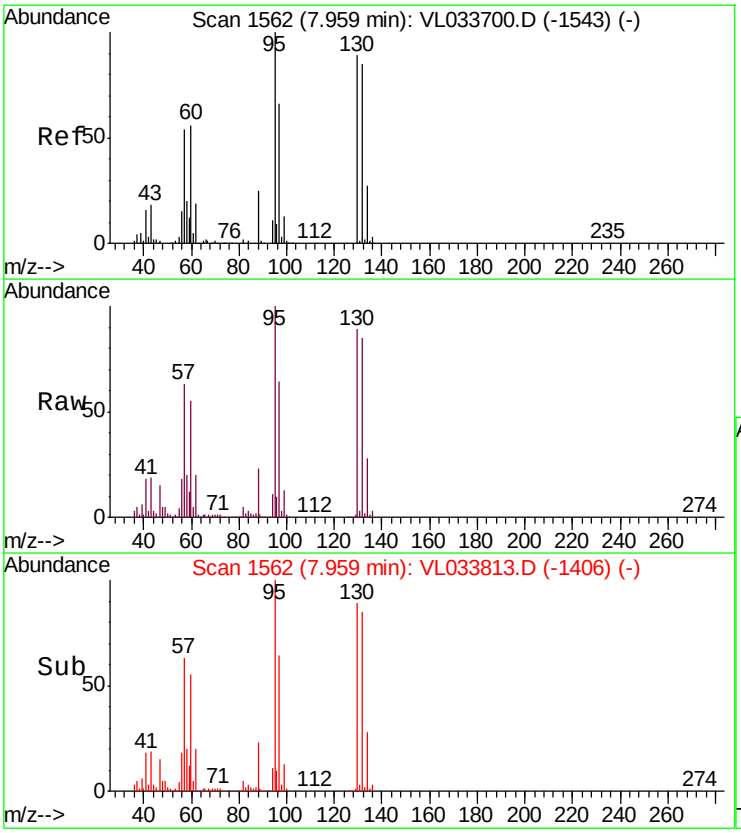
#37
1,2-Dichloroethane
Concen: 9.409 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 62 Resp: 1137370

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

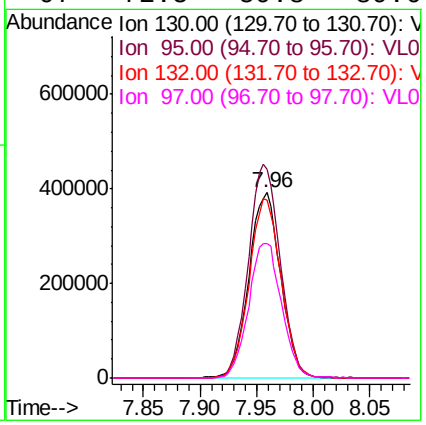


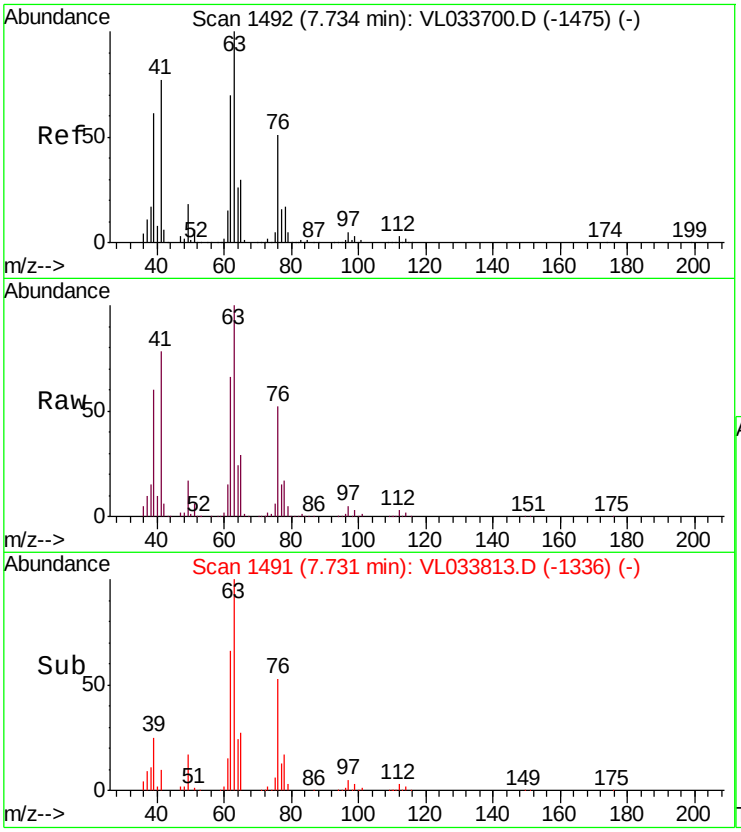


#38
Trichloroethene
Concen: 10.986 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:130 Resp: 763947

Ion	Ratio	Lower	Upper
130	100		
95	112.8	90.2	135.4
132	96.2	76.4	114.6
97	72.5	59.8	89.6



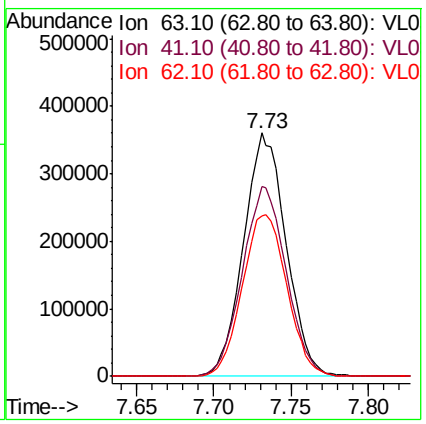


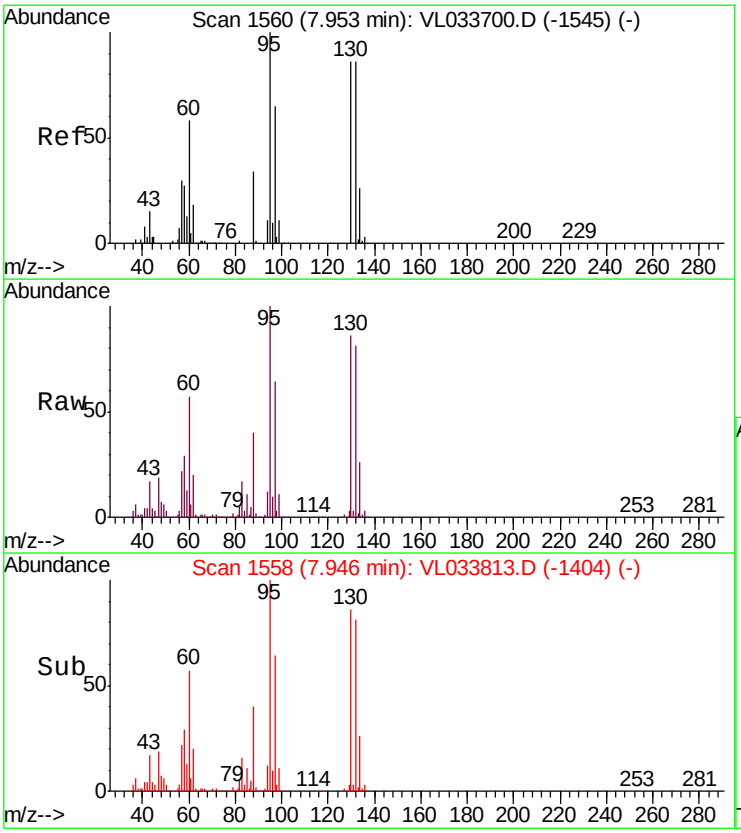
#39
1,2-Dichloropropane
Concen: 9.879 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 63 Resp: 690182

Ion	Ratio	Lower	Upper
63	100		
41	77.7	61.5	92.3
62	65.7	56.2	84.4

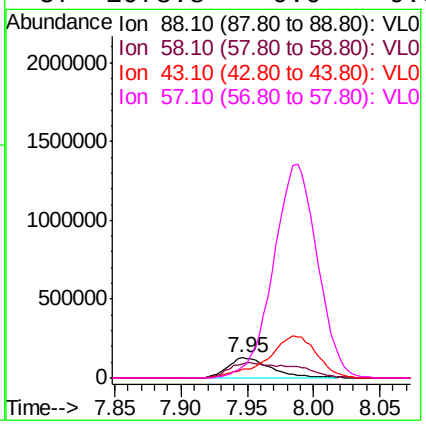


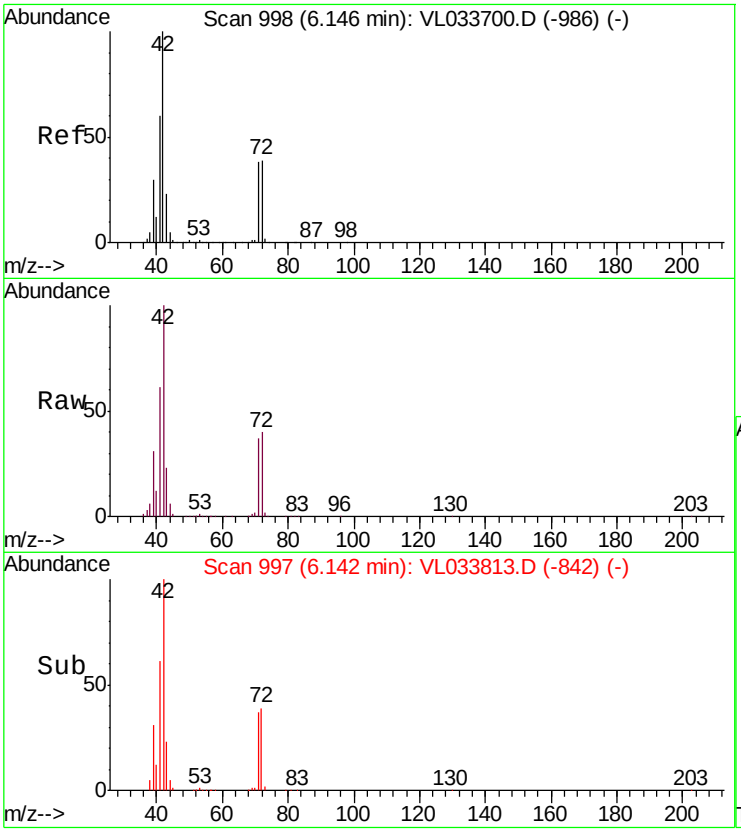


#40
1,4-Dioxane
Concen: 10.000 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 88 Resp: 292254

Ion	Ratio	Lower	Upper
88	100		
58	122.5	101.8	152.6
43	238.8	0.0	0.0#
57	1078.8	0.0	0.0#



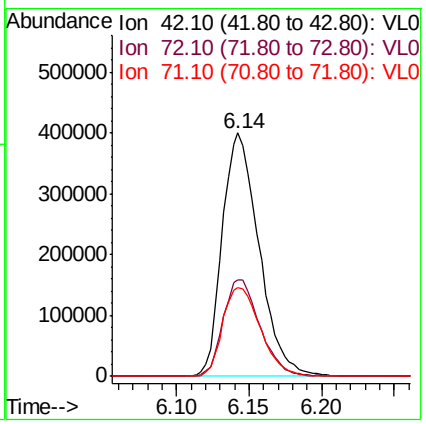


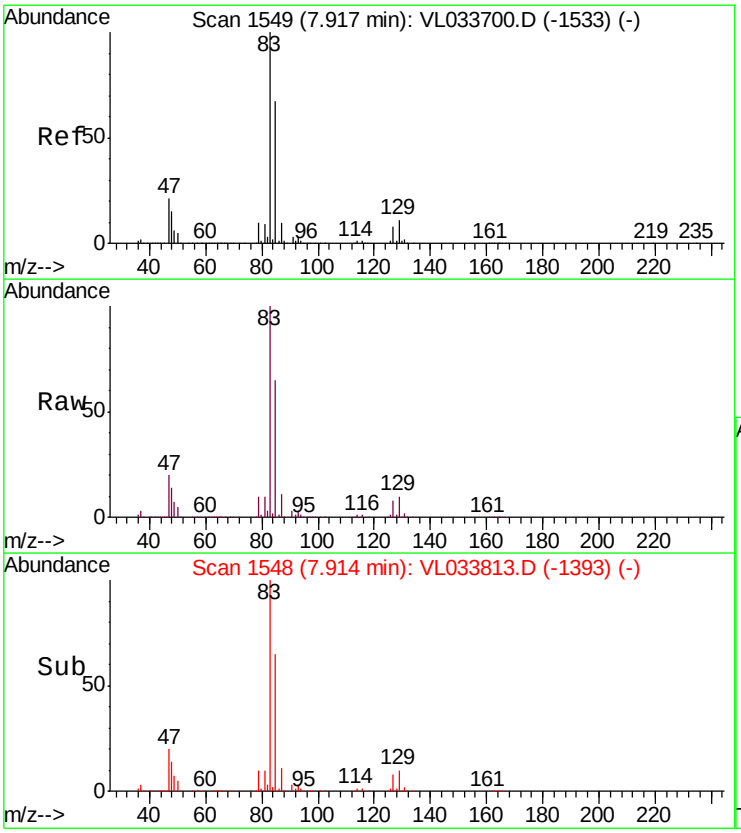
#41
Tetrahydrofuran
Concen: 9.804 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 42 Resp: 701449

Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	37.9	30.4	45.6

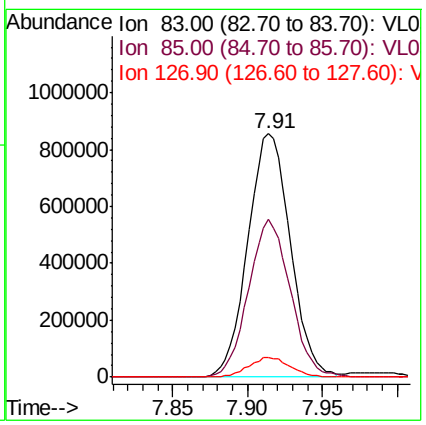


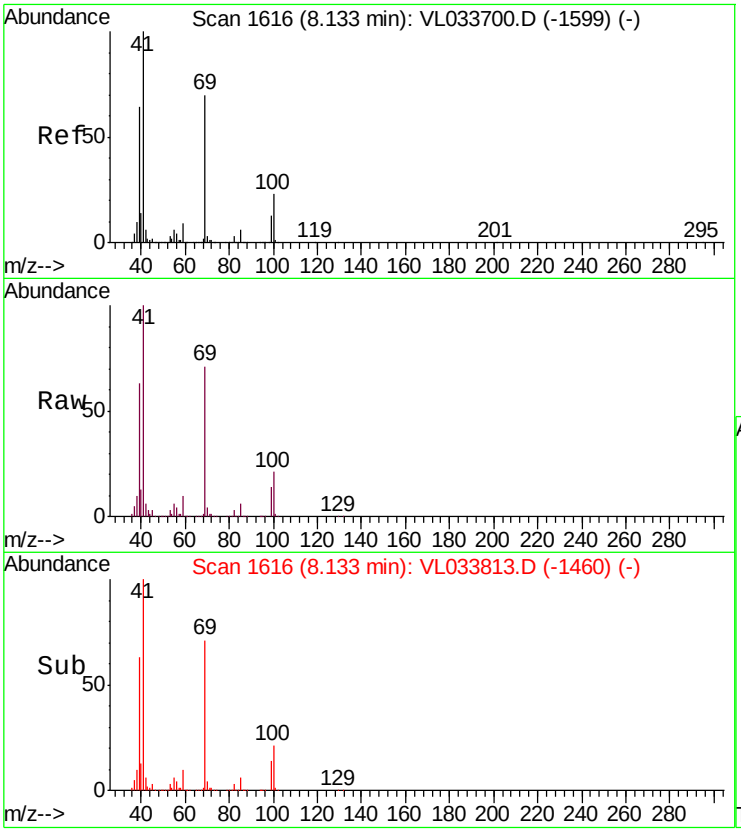


#42
Bromodichloromethane
Concen: 10.213 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 83 Resp: 1690225

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.3	79.9
127	8.0	6.5	9.7



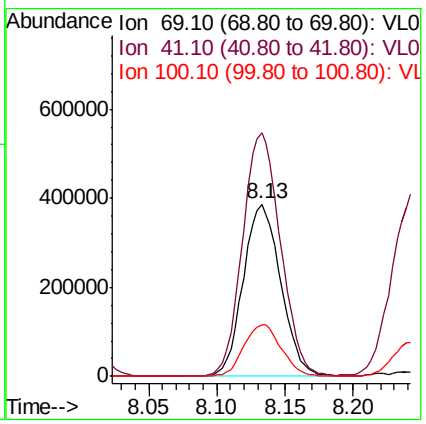


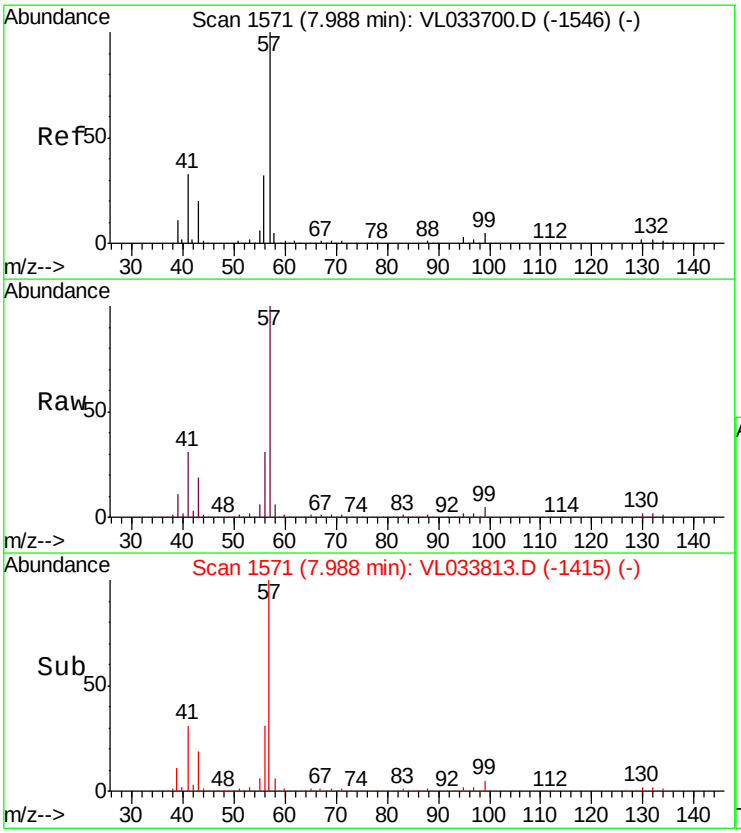
#43
Methyl Methacrylate
Concen: 10.707 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 69 Resp: 738420

Ion	Ratio	Lower	Upper
69	100		
41	143.3	116.3	174.5
100	30.1	25.3	37.9

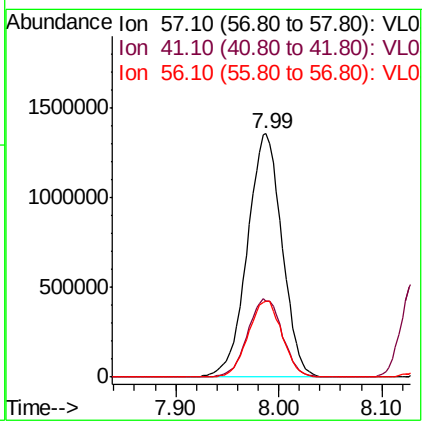


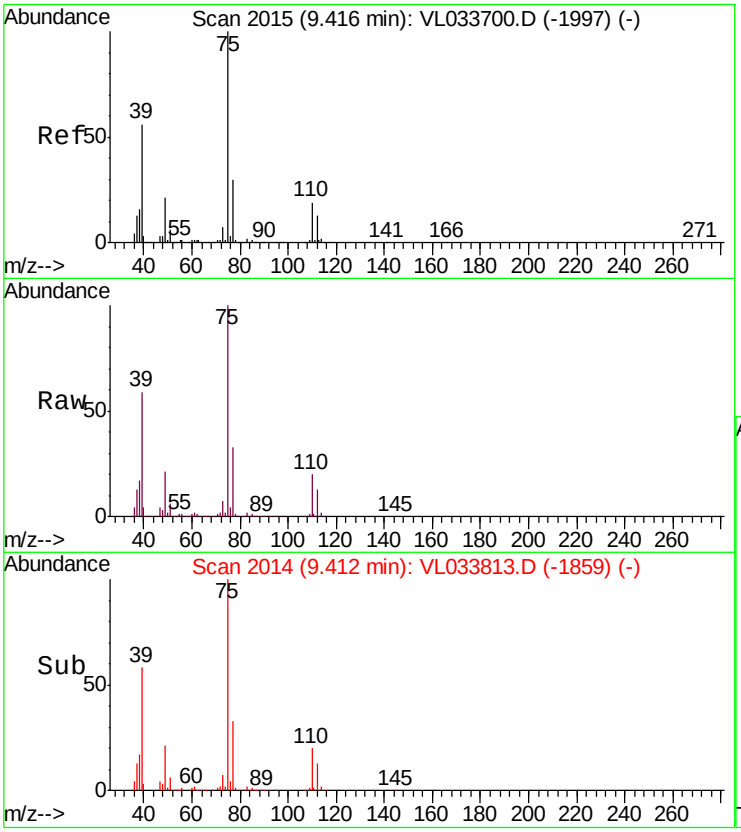


#44
2,2,4-Trimethylpentane
Concen: 9.948 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 57 Resp: 3150732

Ion	Ratio	Lower	Upper
57	100		
41	32.2	25.4	38.0
56	30.8	24.7	37.1



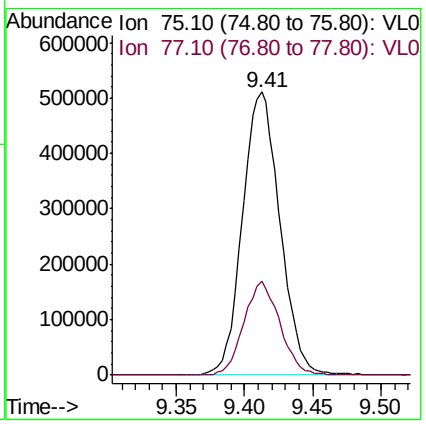


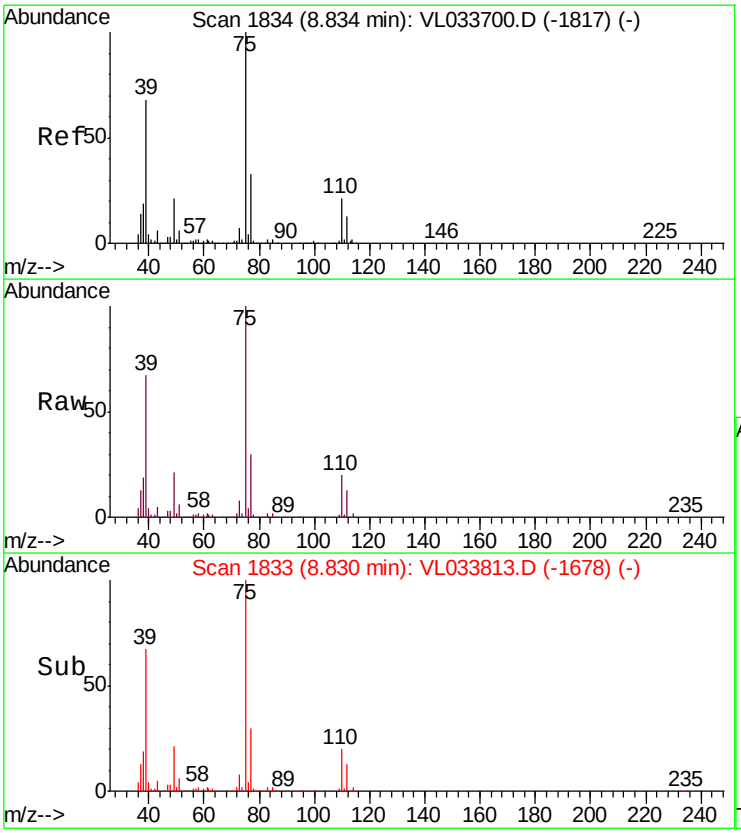
#45
t-1,3-Dichloropropene
Concen: 11.126 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 75 Resp: 972758

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.4	36.6

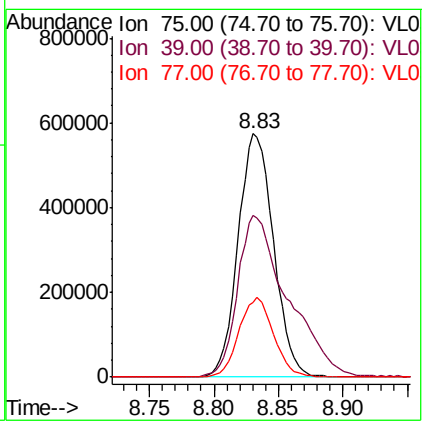


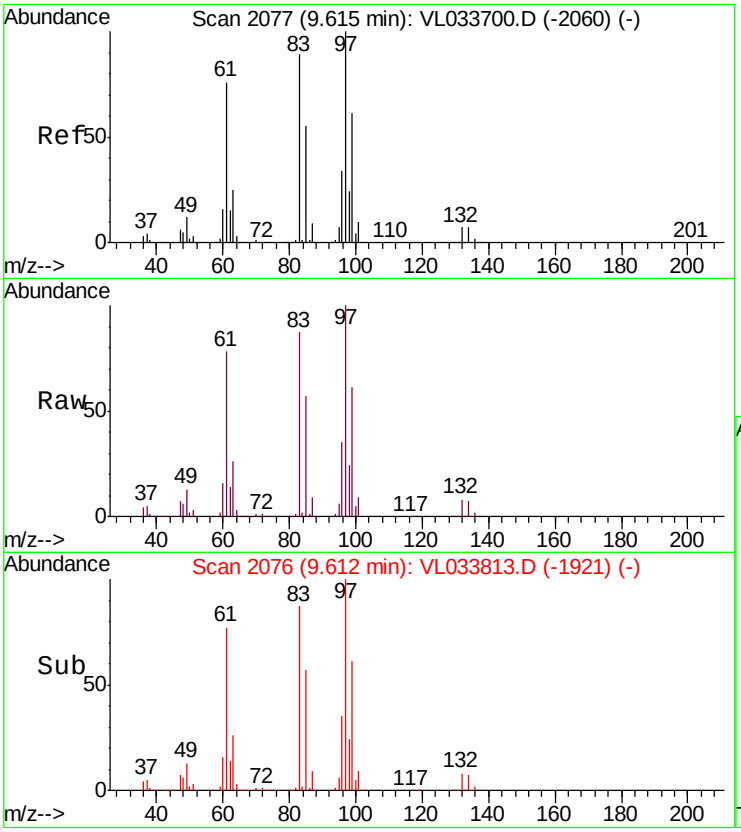


#46
cis-1,3-Dichloropropene
Concen: 10.763 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 75 Resp: 1101839

Ion	Ratio	Lower	Upper
75	100		
39	66.6	54.4	81.6
77	30.5	26.6	39.8



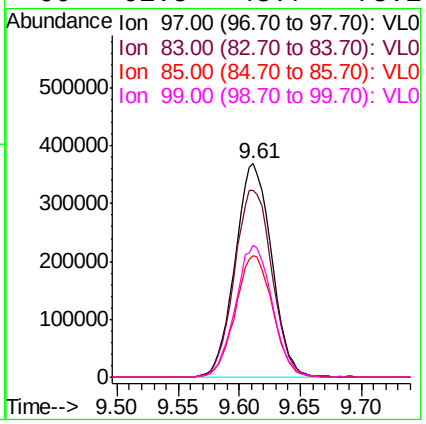


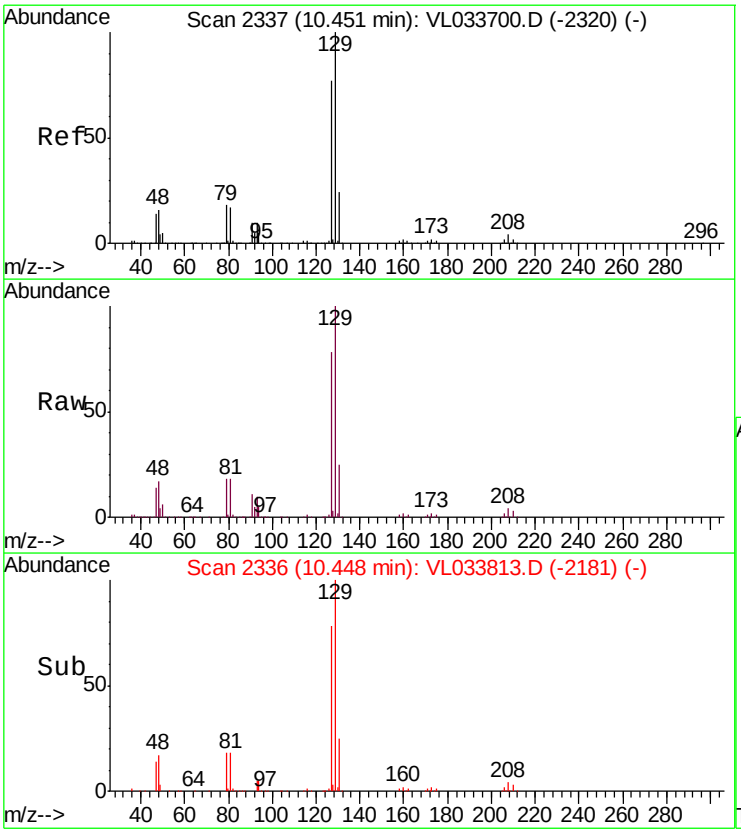
#47
1,1,2-Trichloroethane
Concen: 9.622 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 97 Resp: 763707

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.8	106.2
85	57.0	43.7	65.5
99	61.5	48.7	73.1

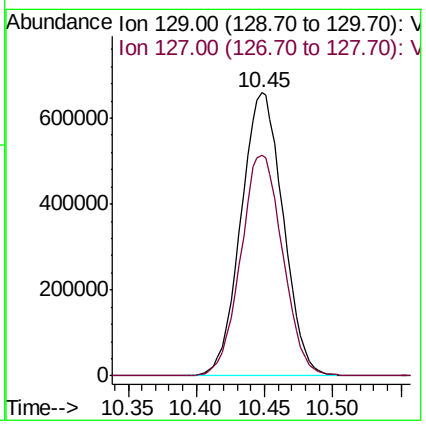


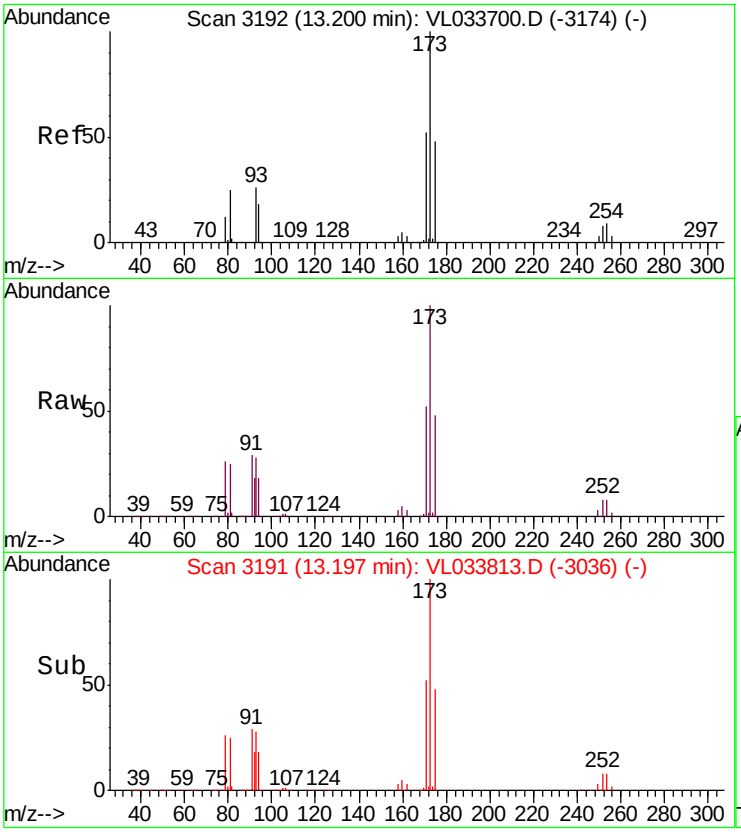


#48
Dibromochloromethane
Concen: 10.283 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:129 Resp: 1414199

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



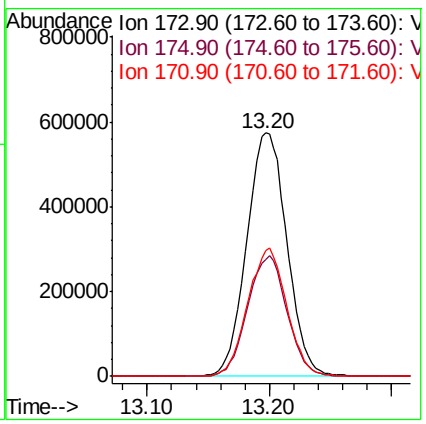


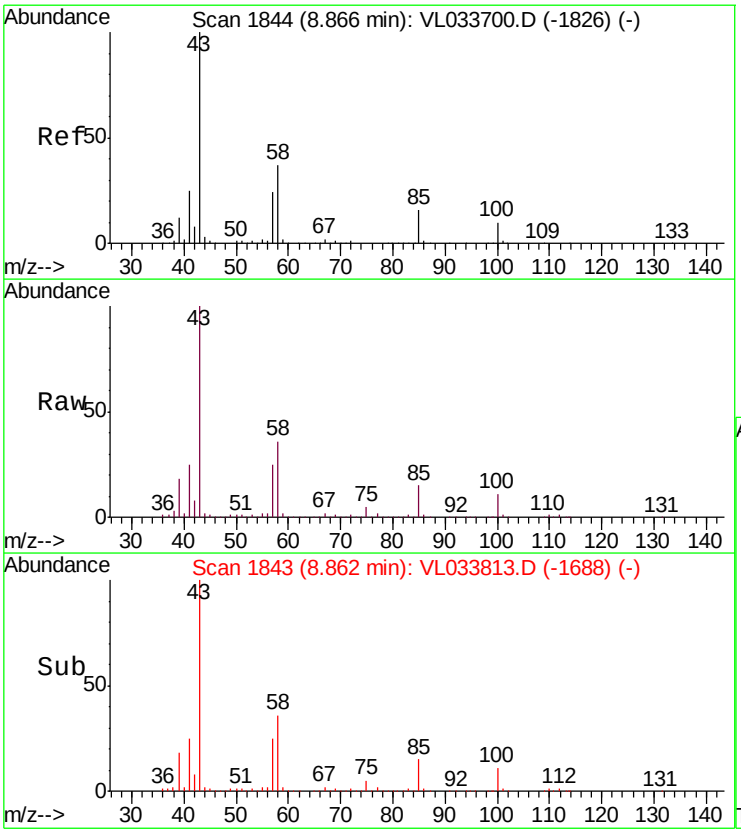
#49
Bromoform
Concen: 11.257 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:173 Resp: 1302630

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	58.0
171	51.5	41.5	62.3

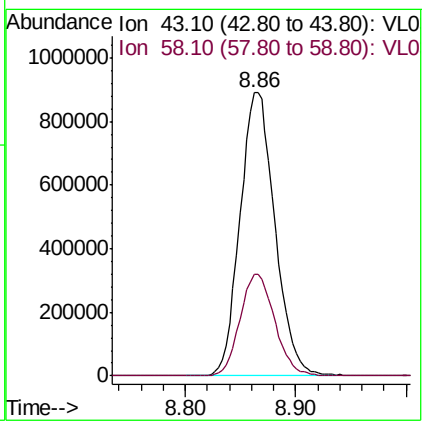


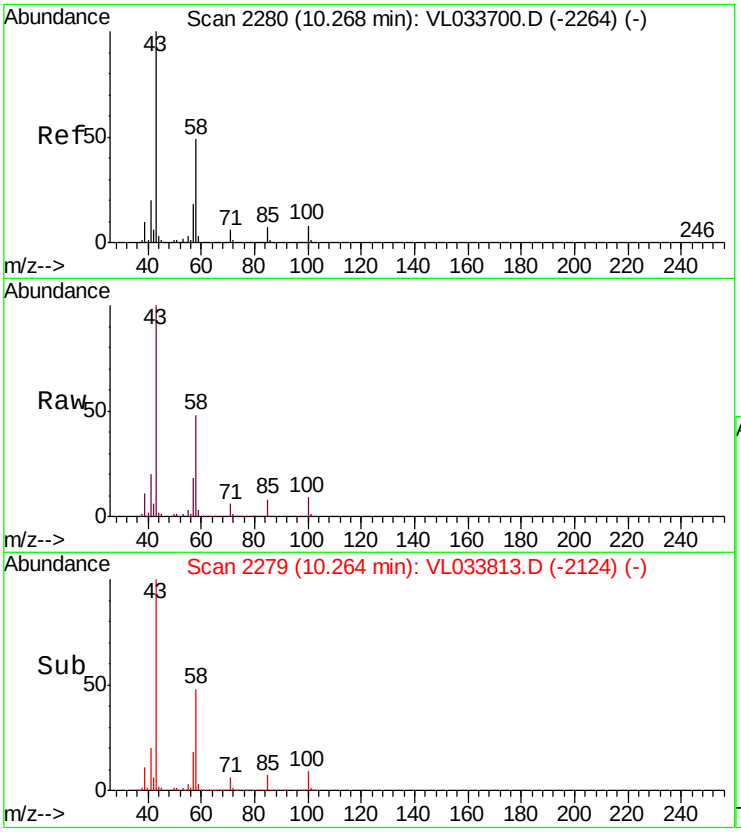


#50
4-Methyl-2-Pentanone
Concen: 9.939 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 43 Resp: 1952102

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0



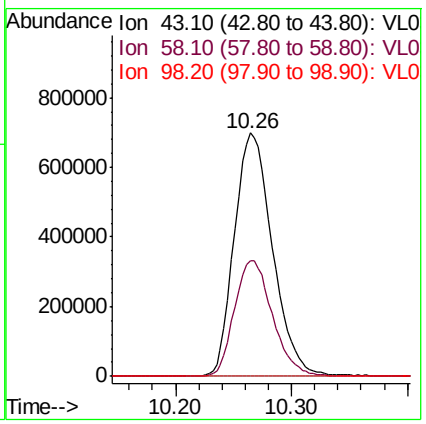


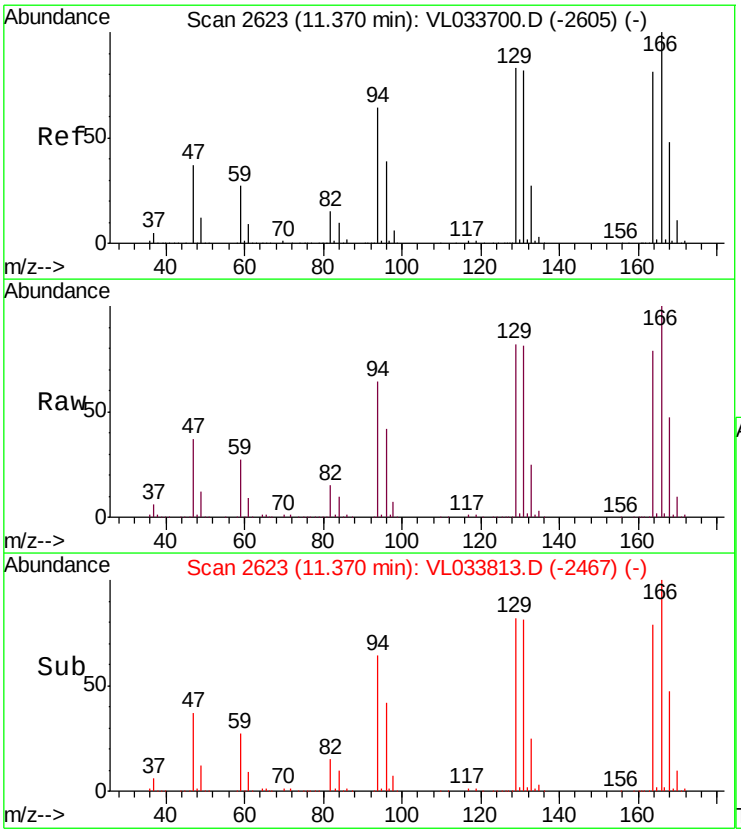
#51
2-Hexanone
Concen: 10.425 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 43 Resp: 1598016

Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.7	58.1
98	0.4	0.2	0.4#

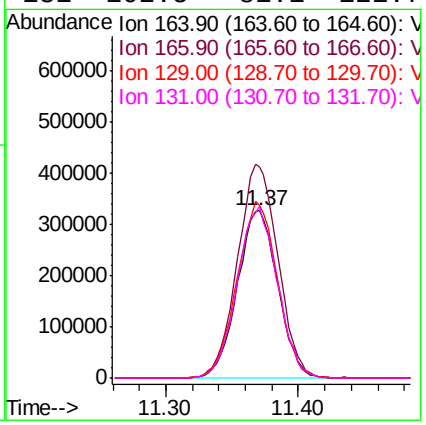


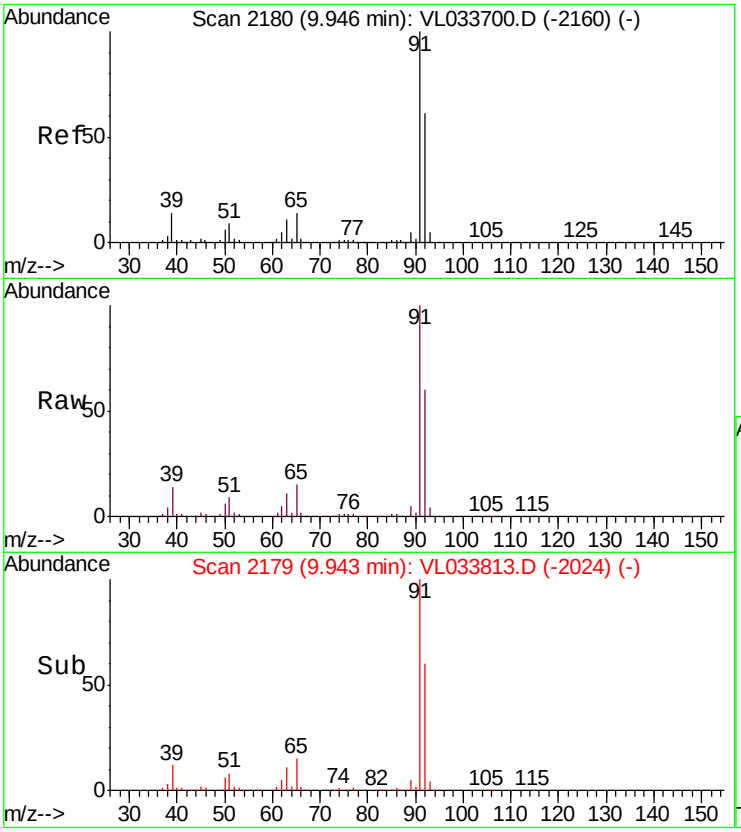


#52
Tetrachloroethene
Concen: 10.481 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:164 Resp: 690422

Ion	Ratio	Lower	Upper
164	100		
166	126.1	98.9	148.3
129	103.0	81.8	122.6
131	102.5	81.1	121.7



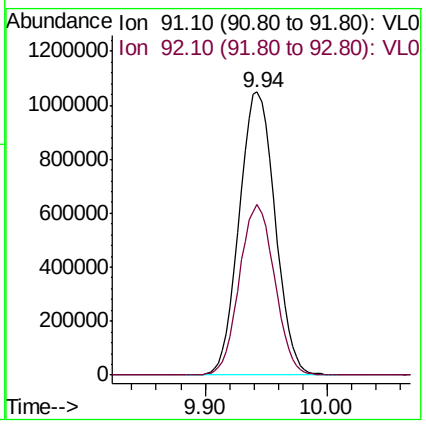


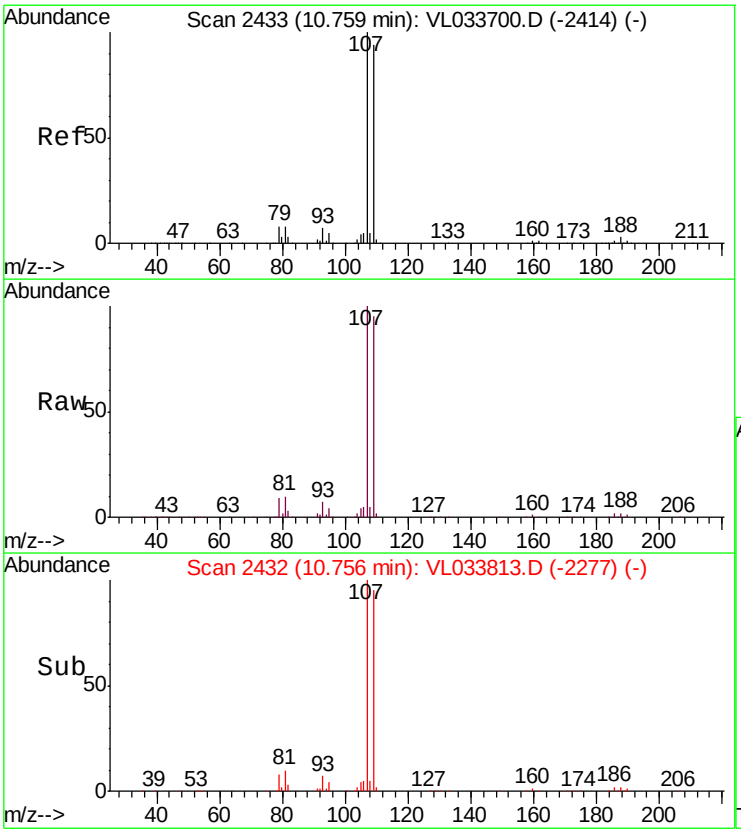
#53
Toluene
Concen: 10.524 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 91 Resp: 2127223

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.6	71.4

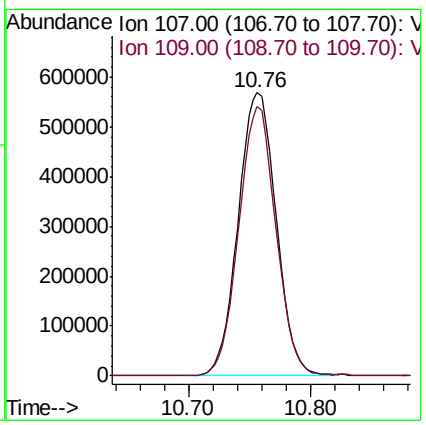


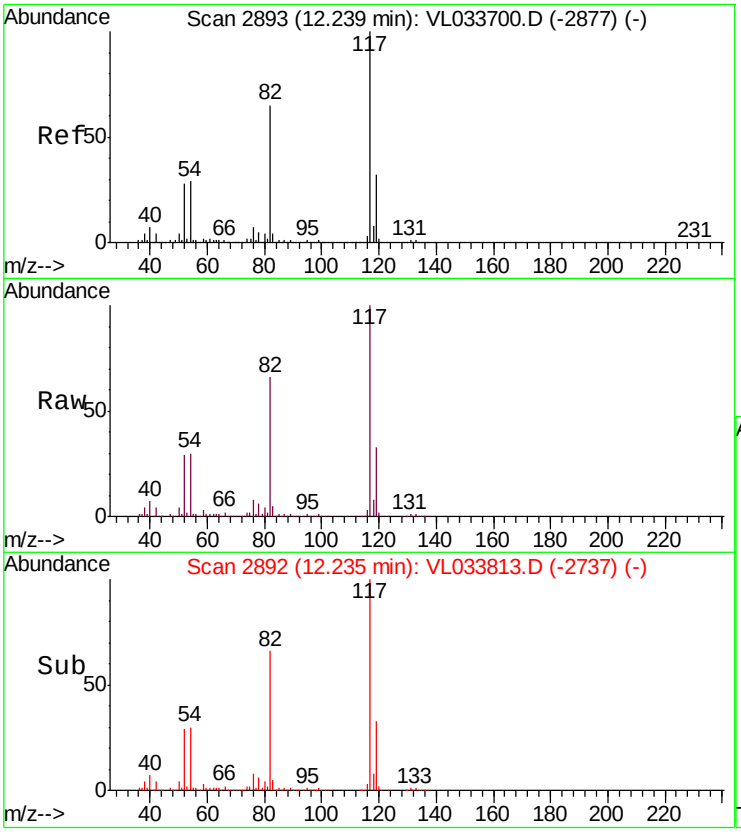


#54
1,2-Dibromoethane
Concen: 10.074 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:107 Resp: 1220232

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.2	112.8



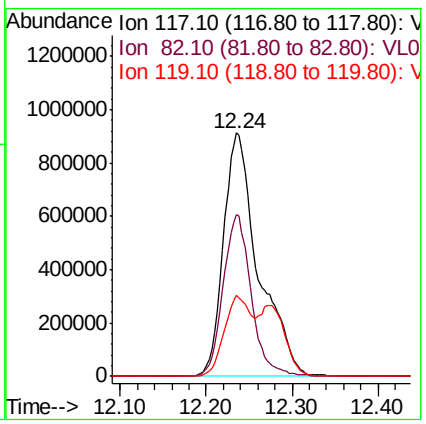


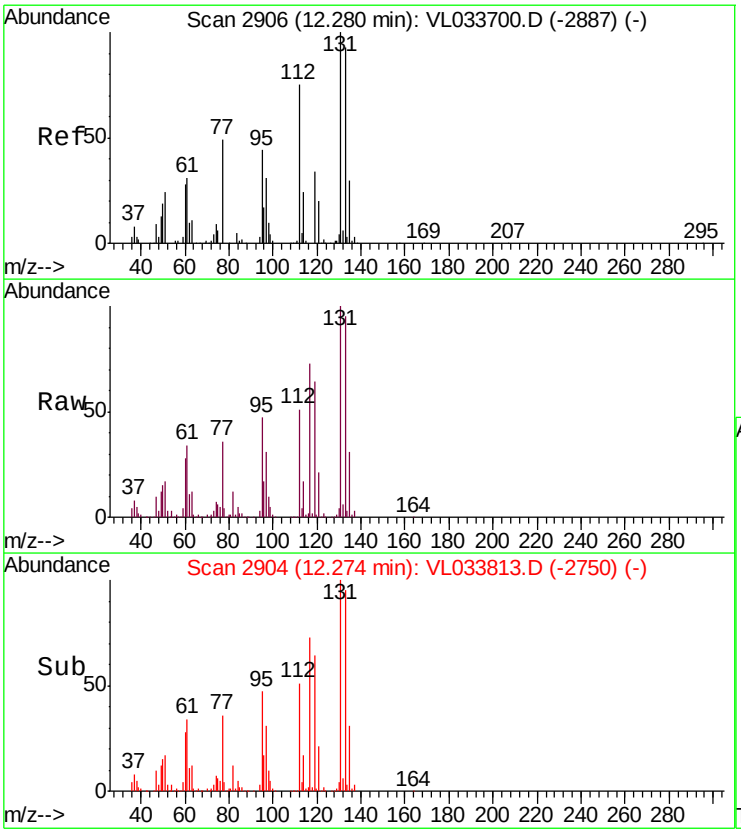
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion:117 Resp: 2580577

Ion	Ratio	Lower	Upper
117	100		
82	53.2	49.4	74.0
119	24.4	24.9	37.3#

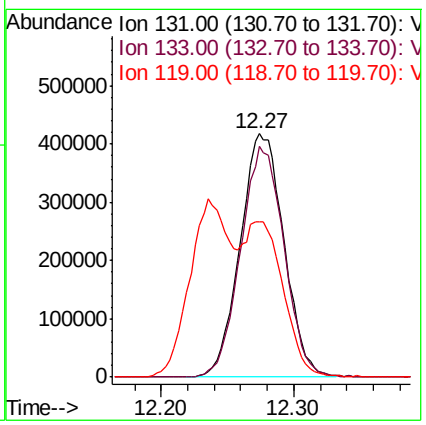


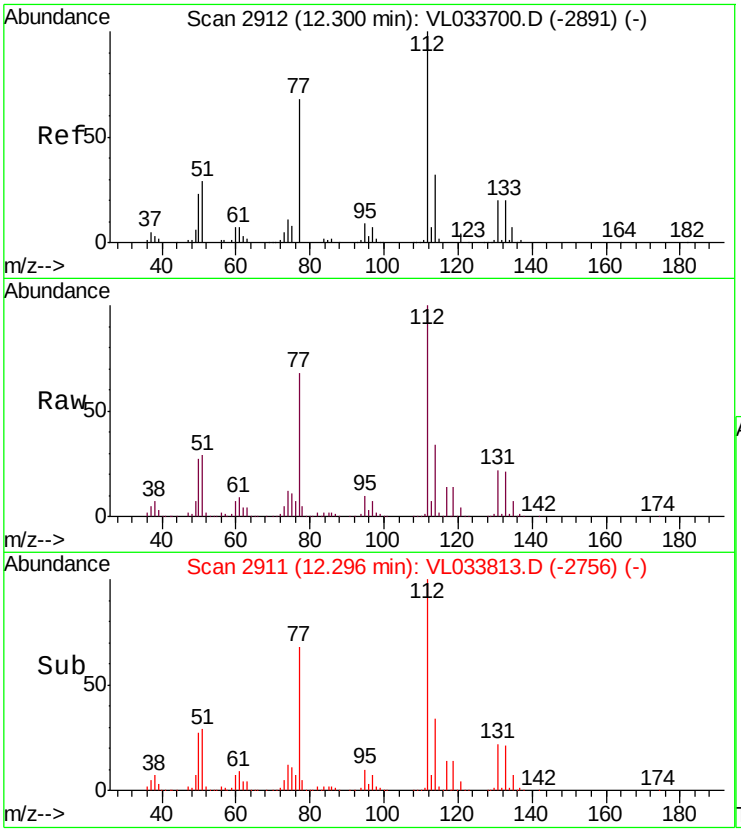


#56
1,1,1,2-Tetrachloroethane
Concen: 8.015 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:131 Resp: 957069

Ion	Ratio	Lower	Upper
131	100		
133	94.0	76.6	114.8
119	53.7	49.0	73.4



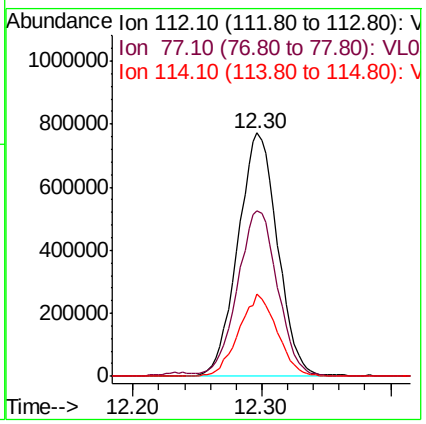


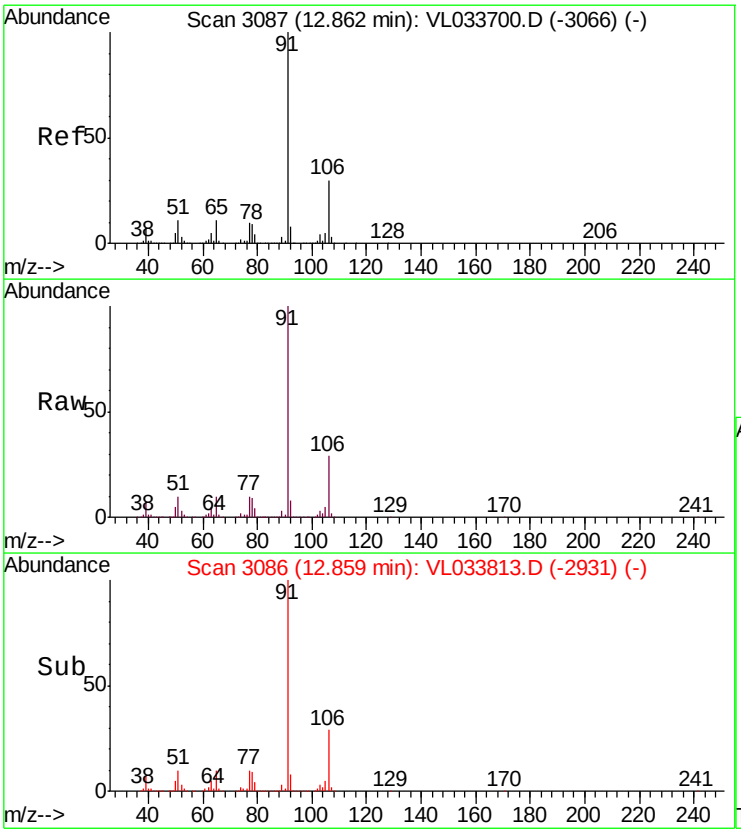
#57
Chlorobenzene
Concen: 7.757 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:112 Resp: 1647811

Ion	Ratio	Lower	Upper
112	100		
77	67.7	55.4	83.0
114	33.8	29.3	35.8

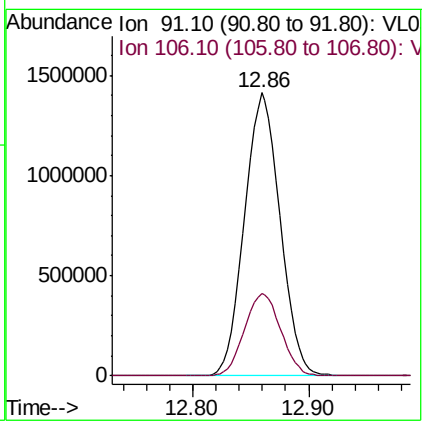


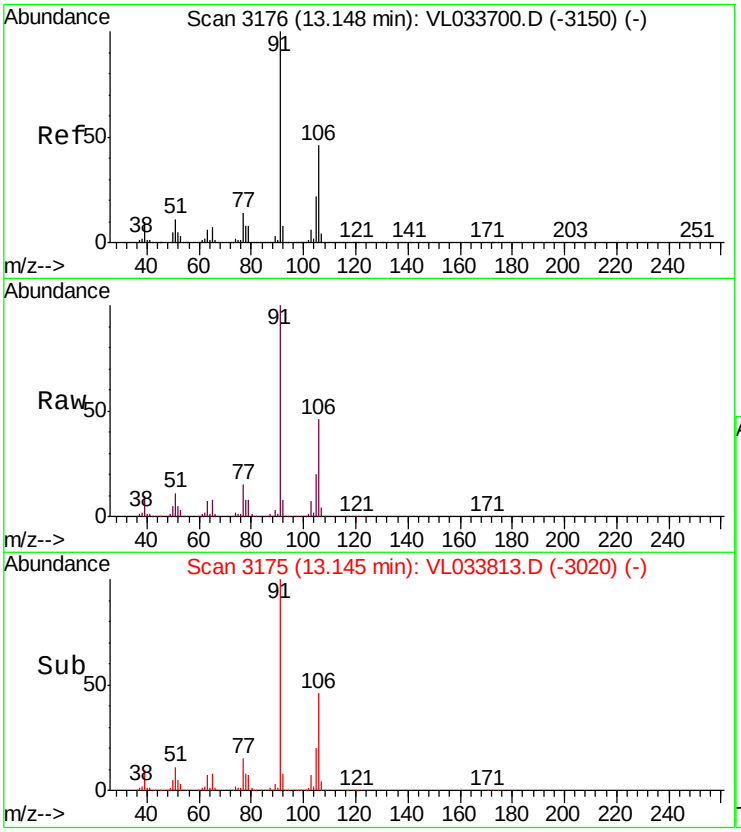


#58
Ethyl Benzene
Concen: 8.853 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 91 Resp: 3025505

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9



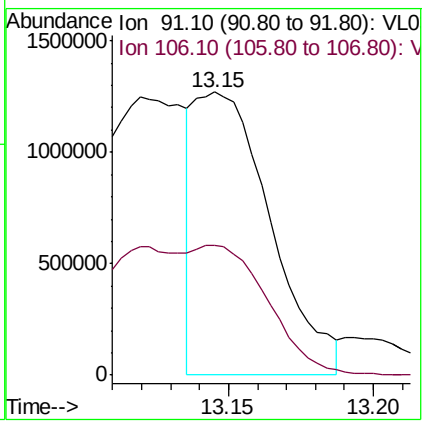


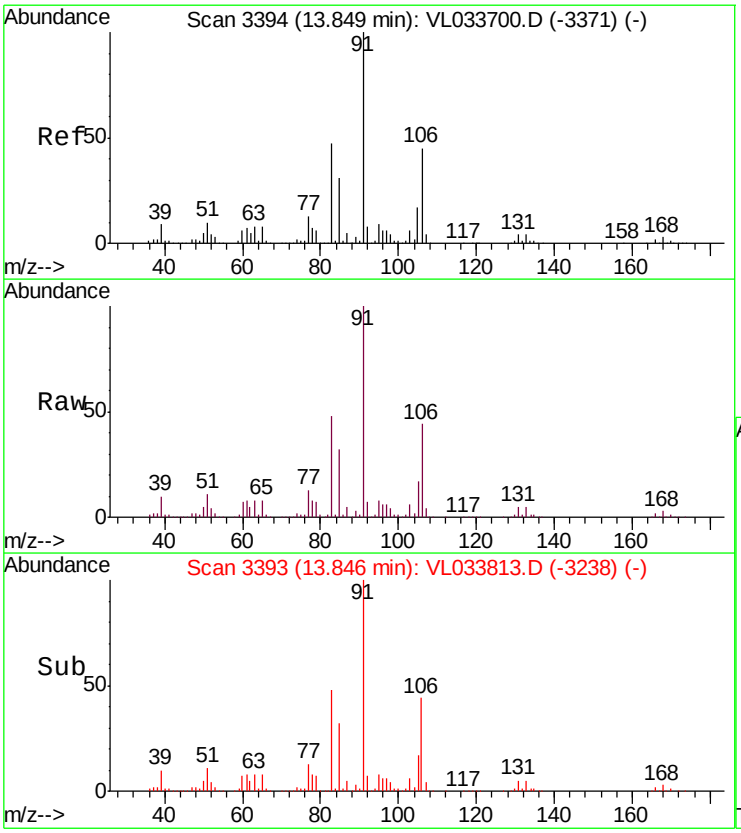
#59
m/p-Xylene
Concen: 7.666 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 91 Resp: 2289947

Ion	Ratio	Lower	Upper
91	100		
106	100.1	35.8	53.6#

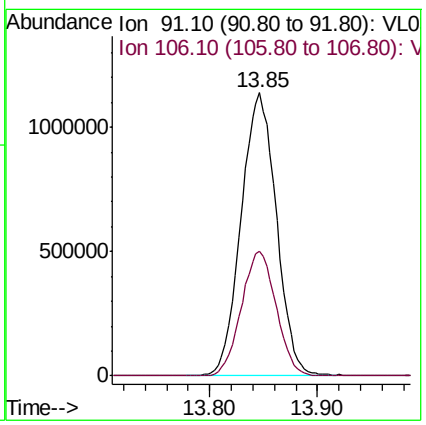


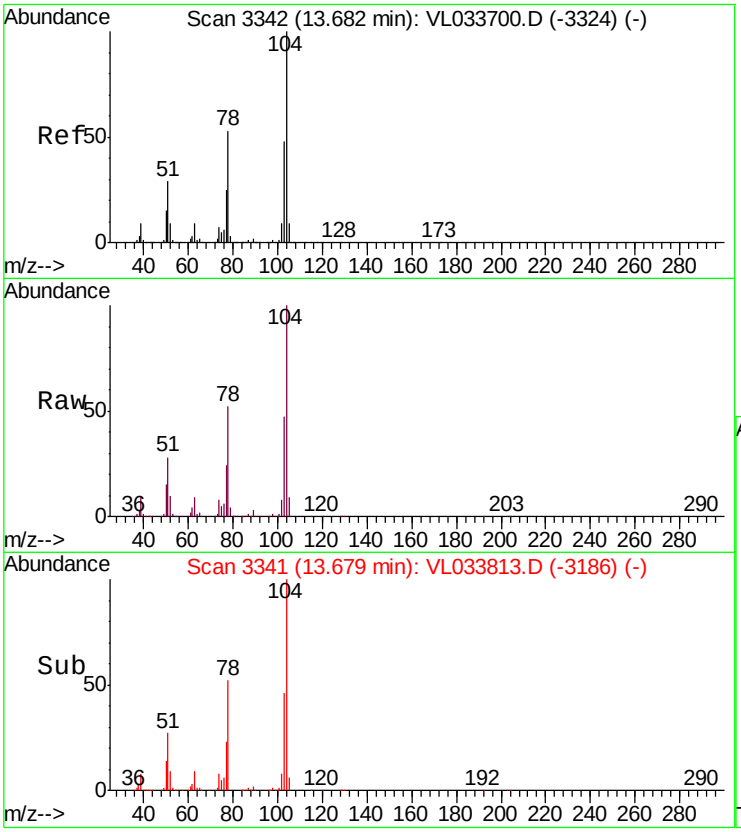


#60
o-Xylene
Concen: 8.589 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 91 Resp: 2586419

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.6	64.8



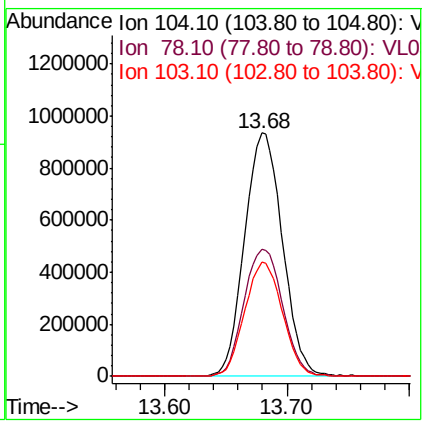


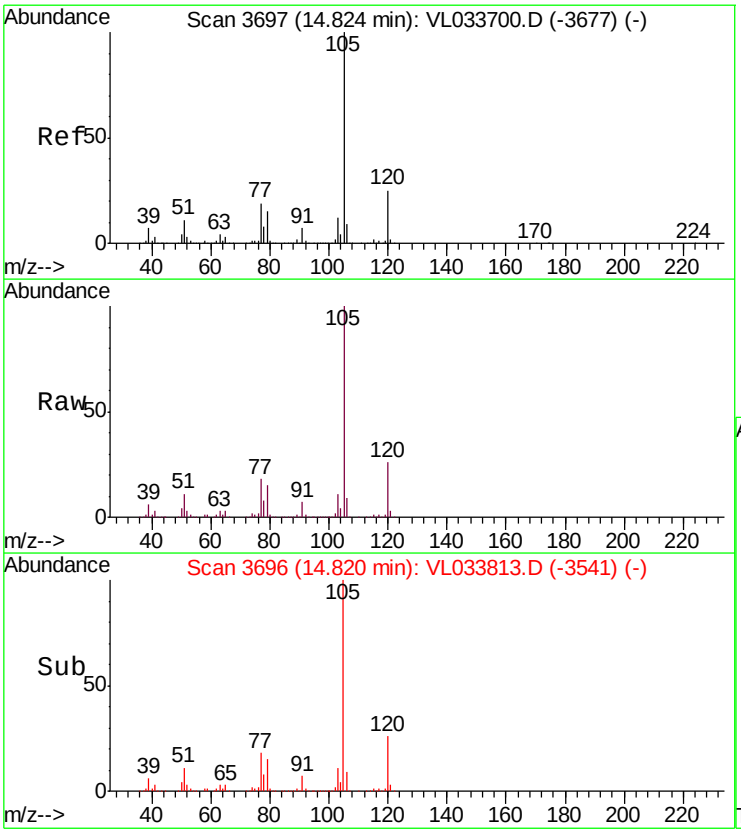
#61
Styrene
Concen: 9.863 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:104 Resp: 1999744

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.6	64.0
103	47.0	37.8	56.6

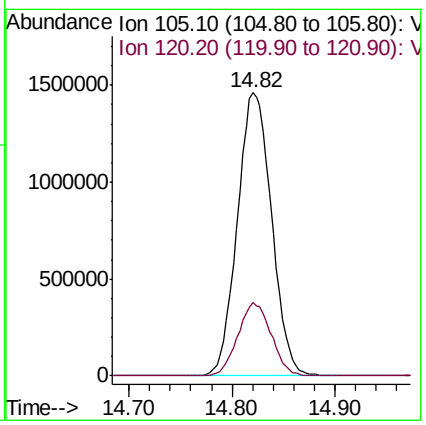


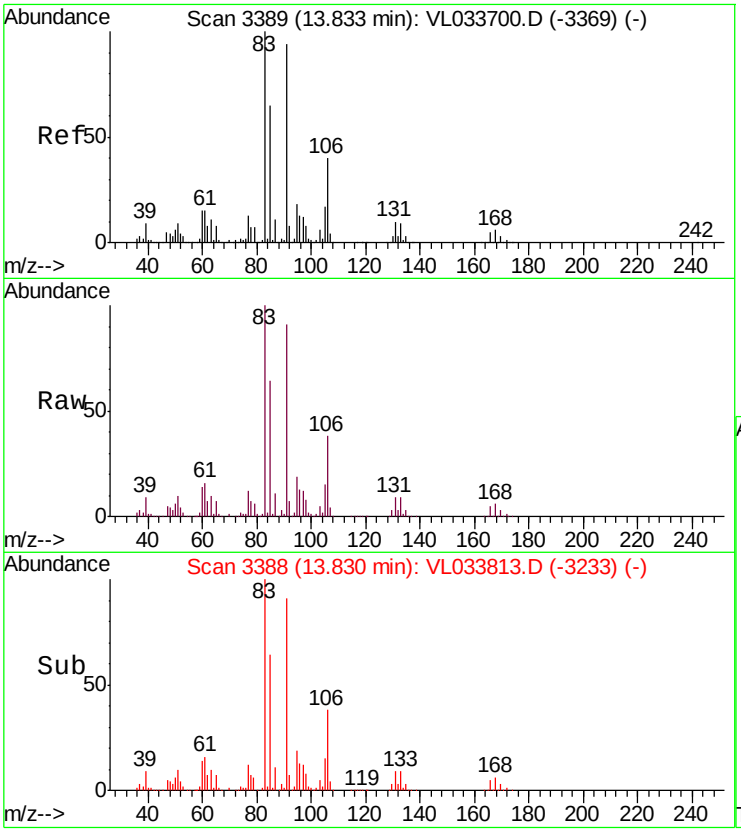


#62
Isopropylbenzene
Concen: 8.308 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3369199

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



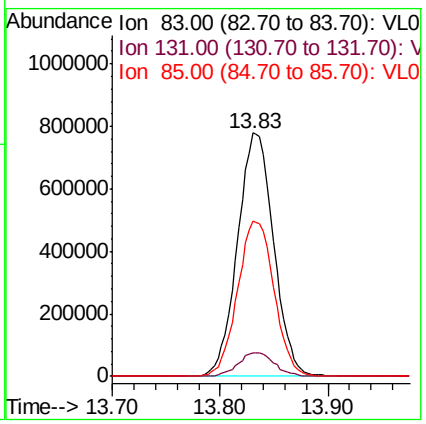


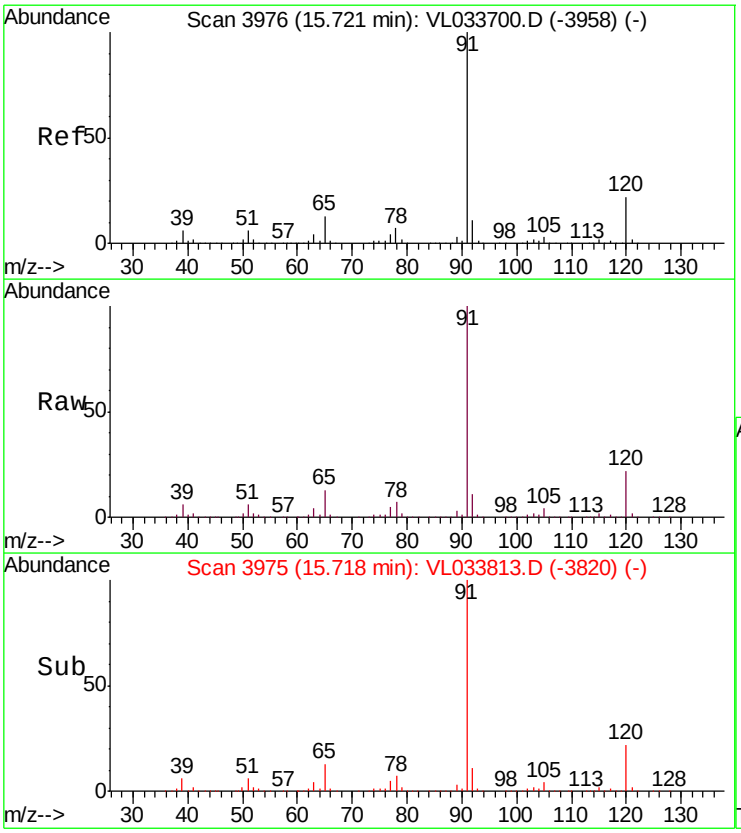
#63
1,1,2,2-Tetrachloroethane
Concen: 8.271 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion: 83 Resp: 1811388

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.9	32.3	96.9

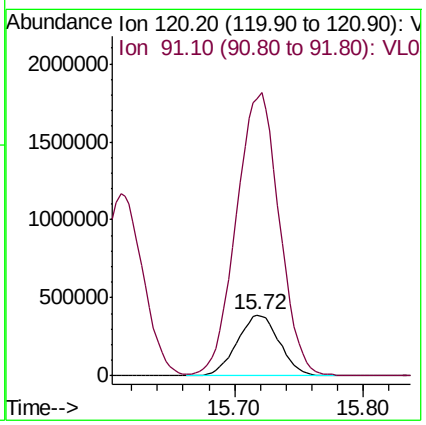


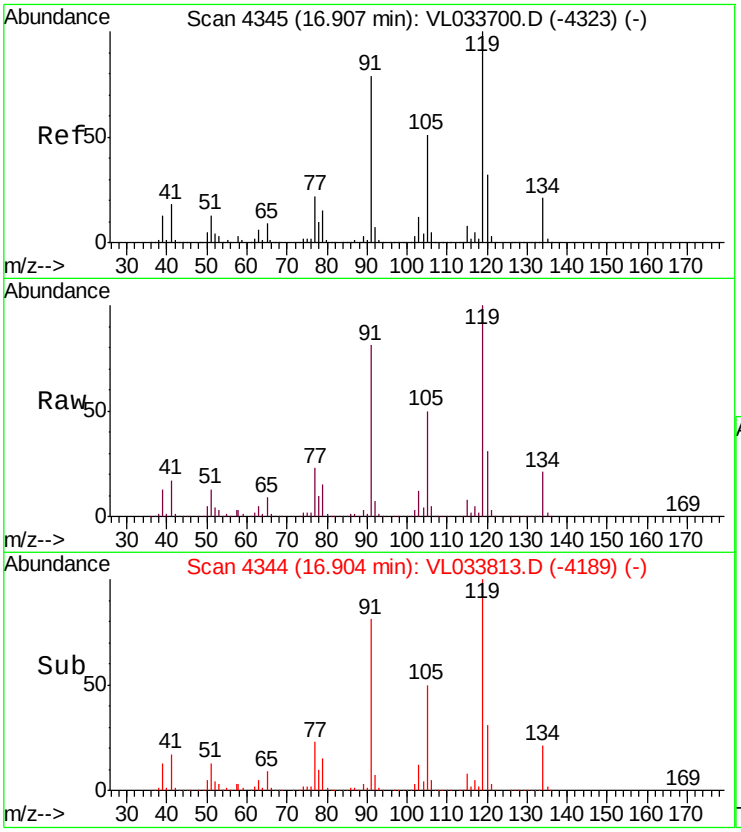


#64
n-propylbenzene
Concen: 8.470 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:120 Resp: 888501

Ion	Ratio	Lower	Upper
120	100		
91	477.1	379.1	568.7



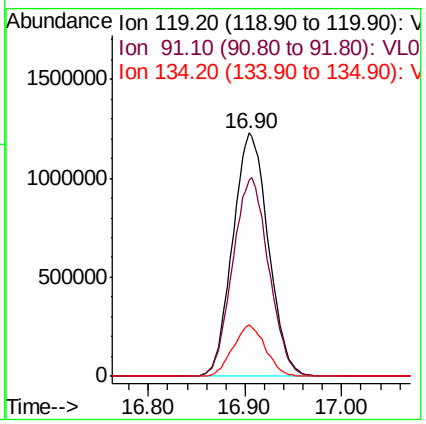


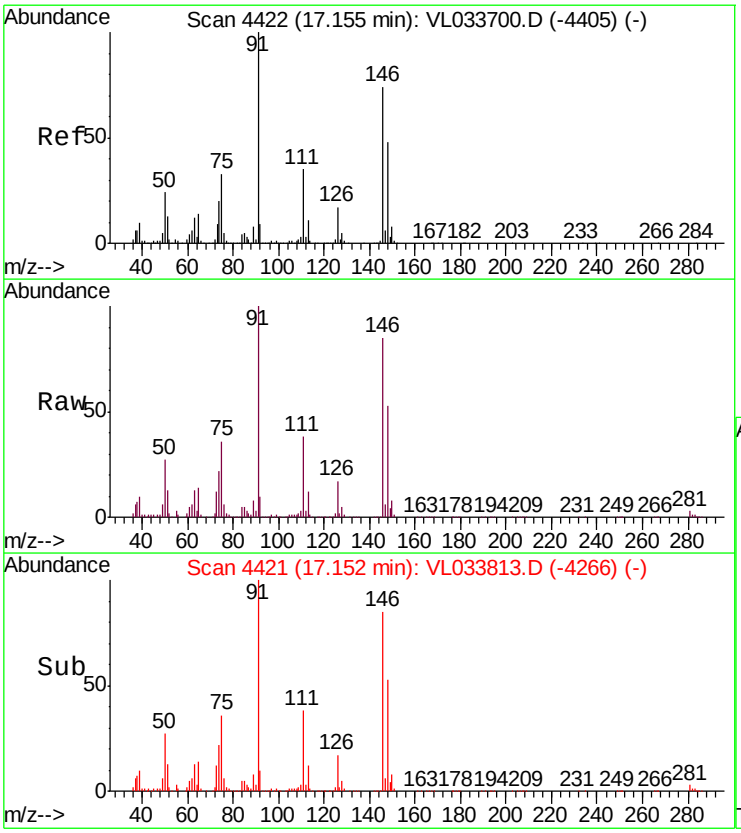
#65
tert-Butylbenzene
Concen: 8.485 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:119 Resp: 3141706

Ion	Ratio	Lower	Upper
119	100		
91	82.9	65.3	97.9
134	19.3	15.7	23.5

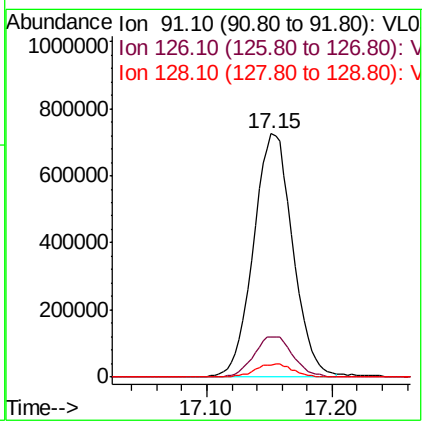


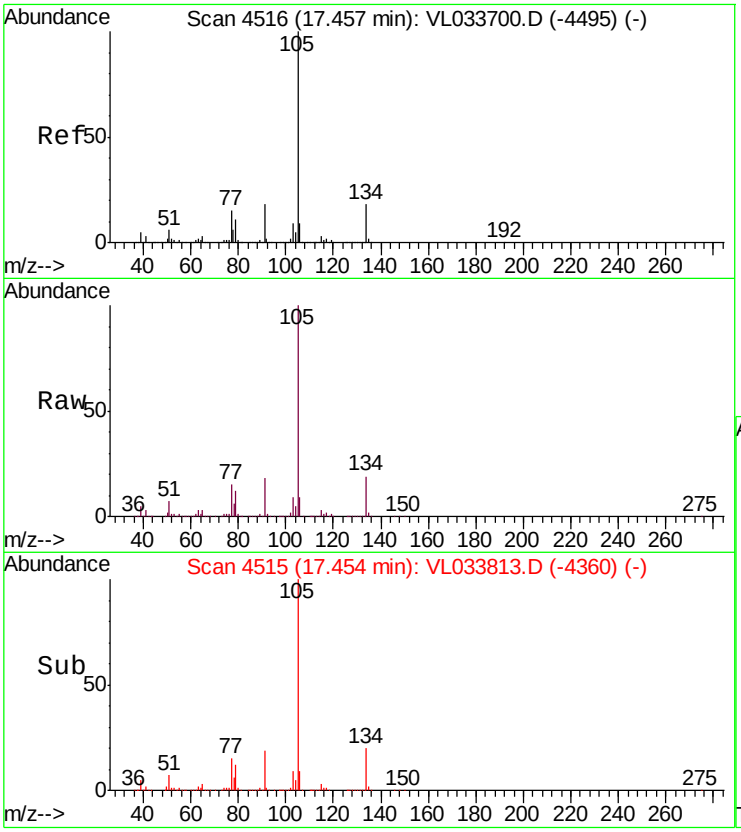


#66
Benzyl Chloride
Concen: 8.946 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 91 Resp: 1577618

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.5	20.3
128	5.3	4.3	6.5



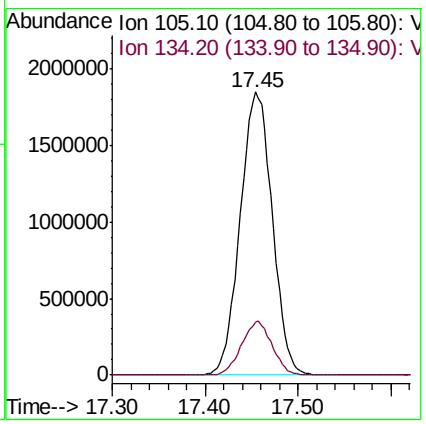


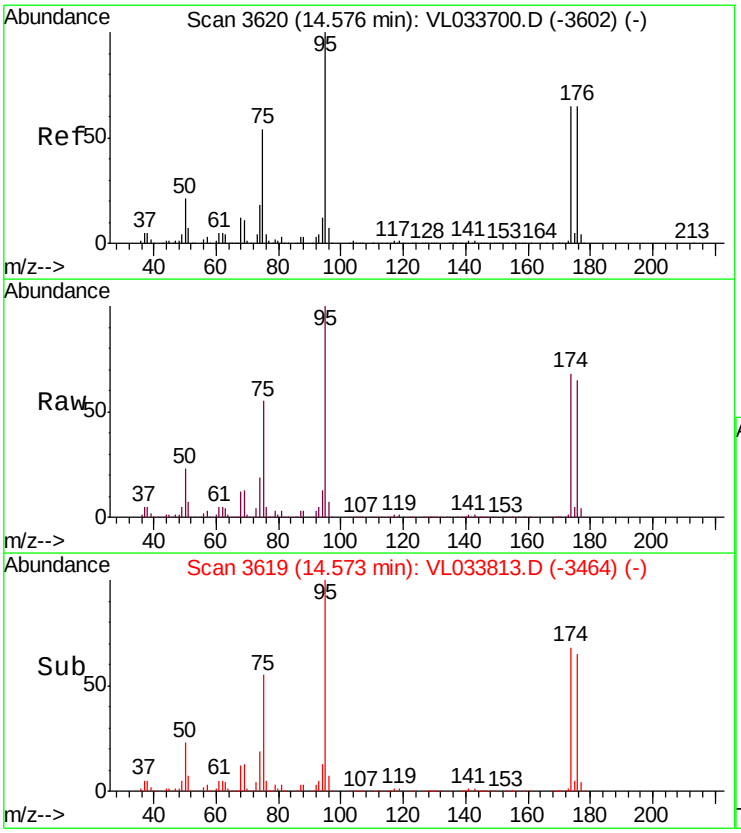
#67
sec-Butylbenzene
Concen: 8.564 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion:105 Resp: 4438145

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

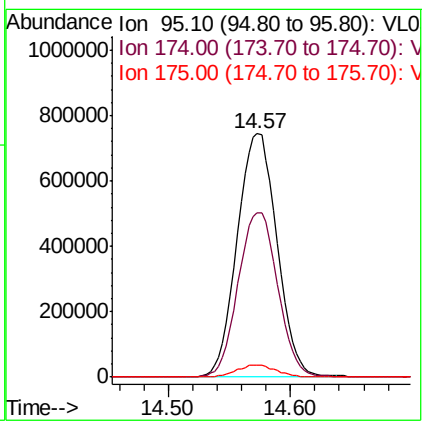


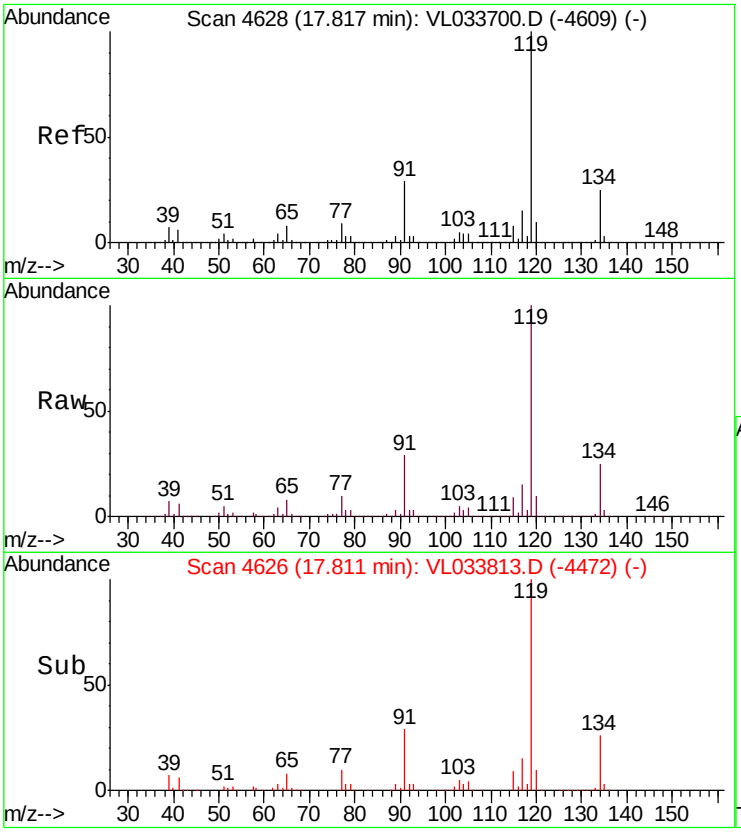


#68
1-Bromo-4-Fluorobenzene
Concen: 8.032 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 95 Resp: 1680308

Ion	Ratio	Lower	Upper
95	100		
174	67.3	53.9	80.9
175	4.9	3.8	5.8



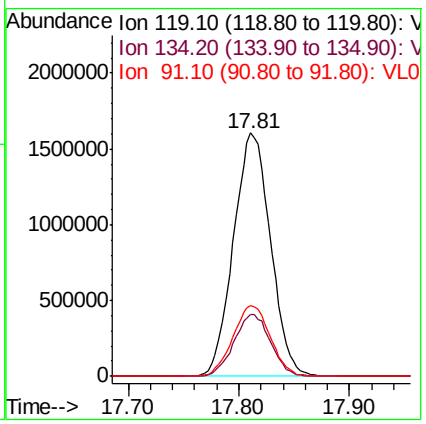


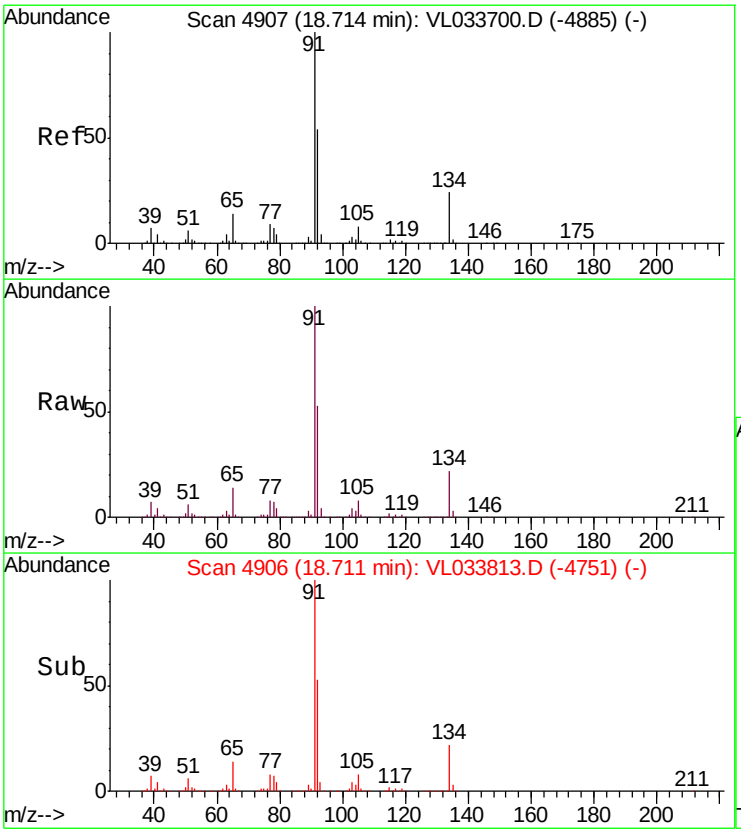
#69
p-Isopropyltoluene
Concen: 8.719 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion:119 Resp: 3734574

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.6	23.1	34.7

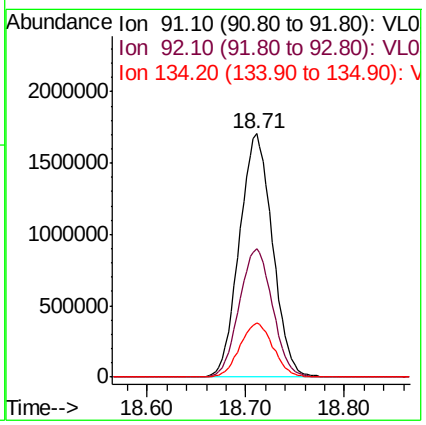


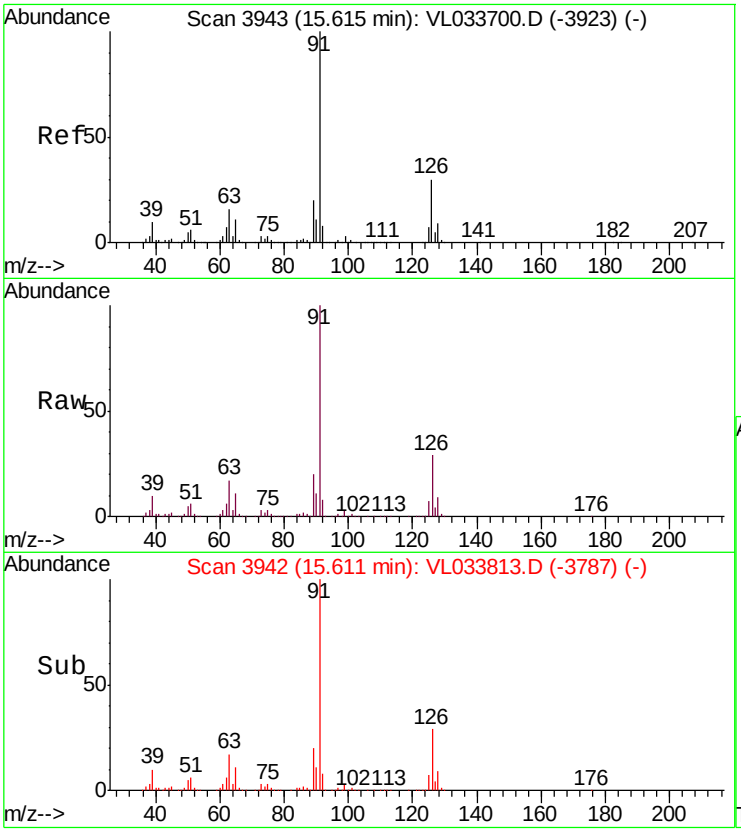


#70
n-Butylbenzene
Concen: 8.607 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion: 91 Resp: 3953782

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	63.8
134	22.3	18.1	27.1



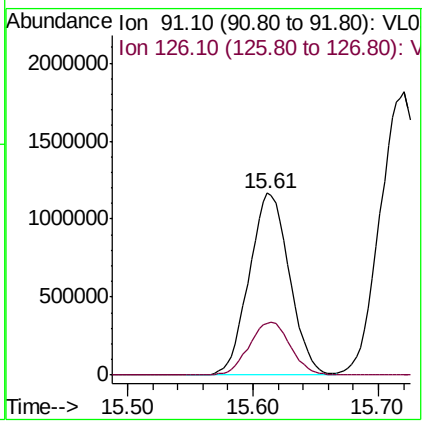


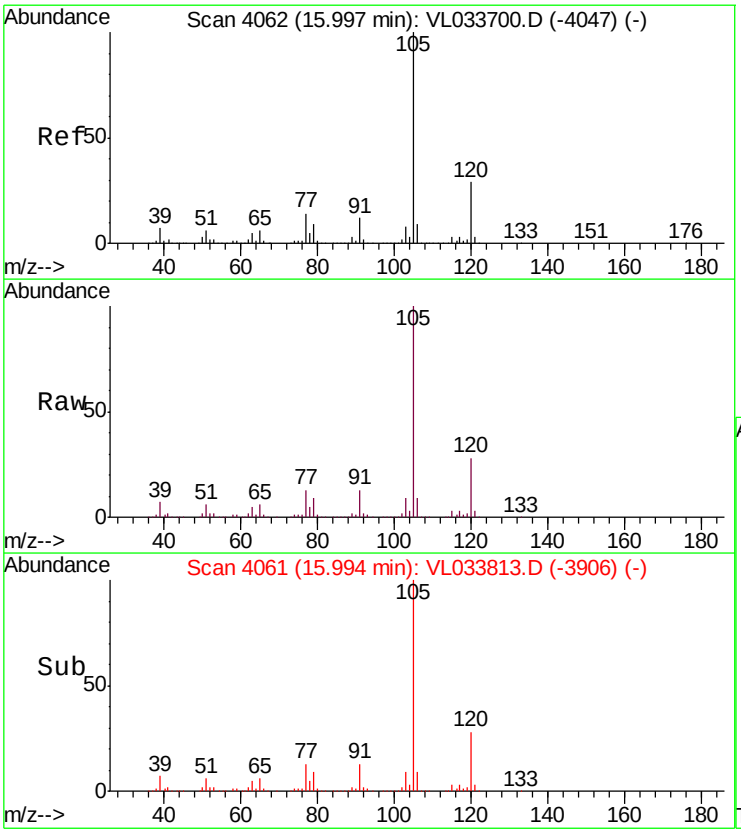
#71
2-Chlorotoluene
Concen: 8.651 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02

Tgt Ion: 91 Resp: 2603009

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.0	47.8

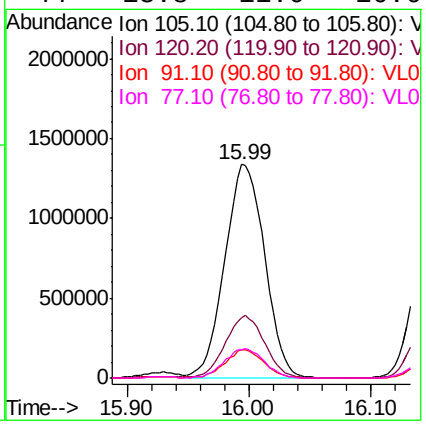


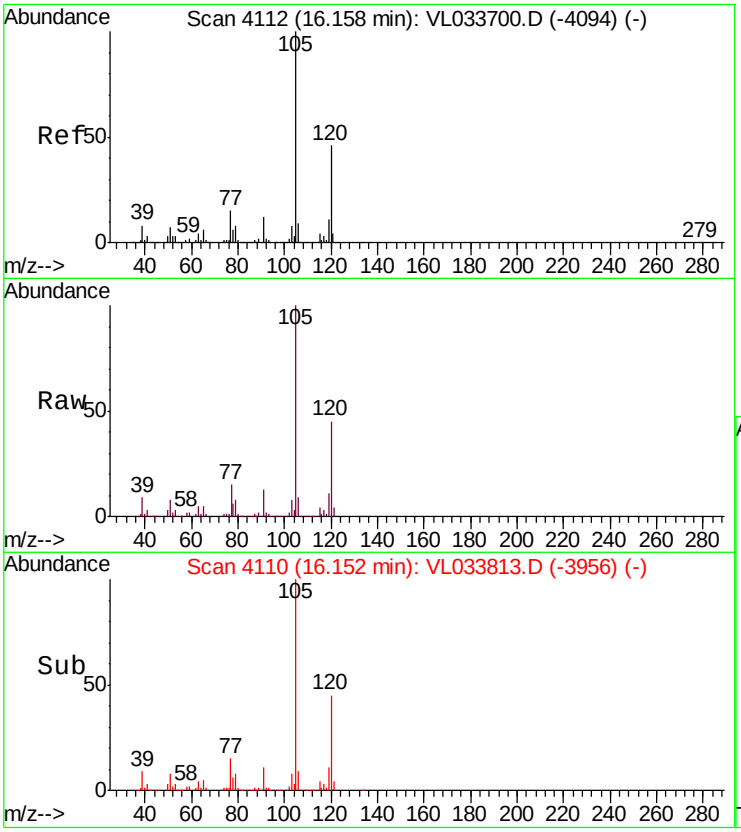


#72
4-Ethyltoluene
Concen: 8.781 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3023333

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.1	34.7
91	13.4	10.4	15.6
77	13.8	11.0	16.6



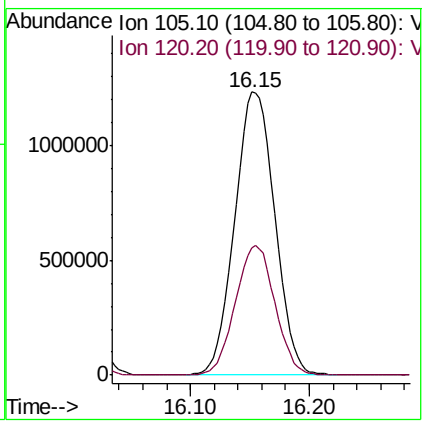


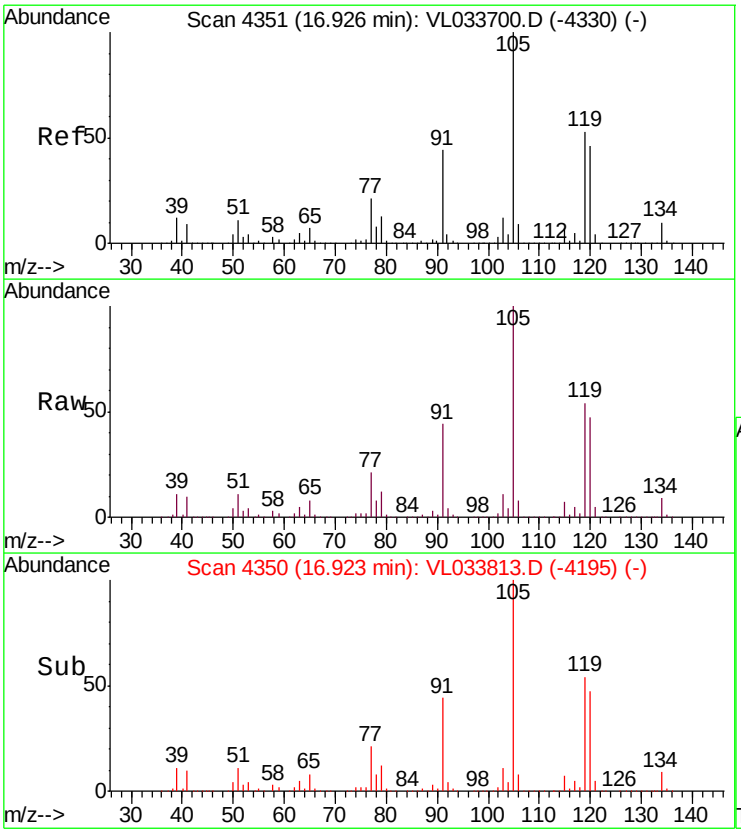
#73
1,3,5-Trimethylbenzene
Concen: 8.535 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:105 Resp: 2867377

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.0	55.4

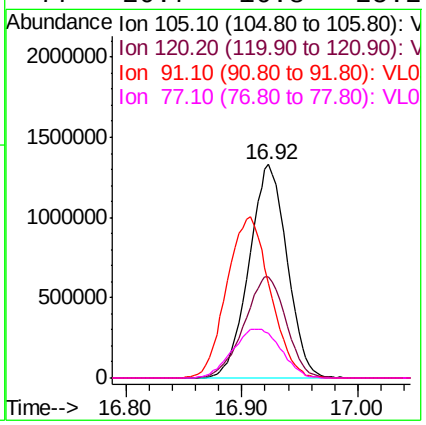


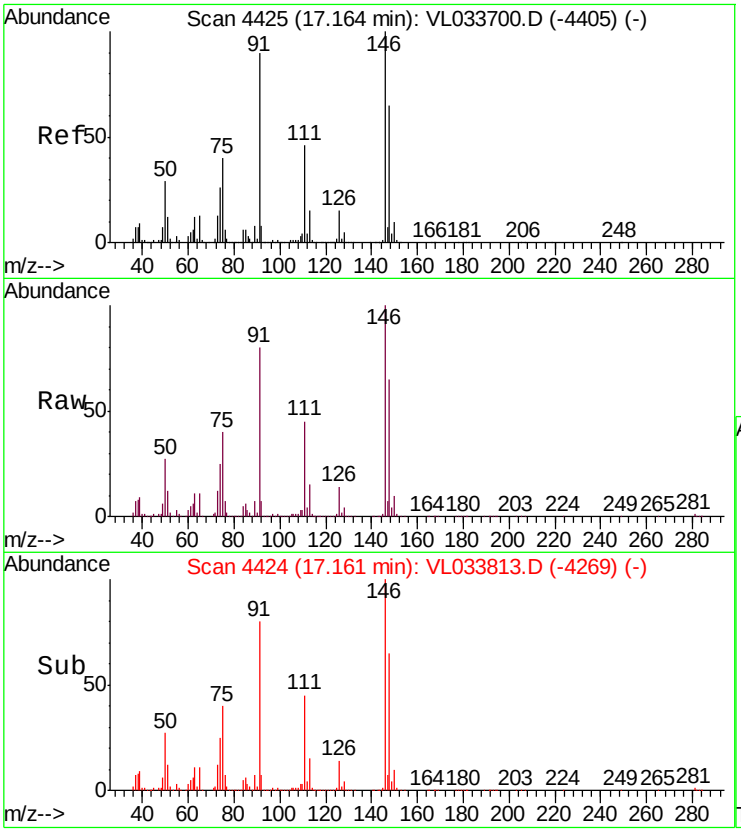


#74
1,2,4-Trimethylbenzene
Concen: 8.277 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:105 Resp: 3026290

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.8	55.2
91	44.2	35.4	53.0
77	20.7	16.8	25.2



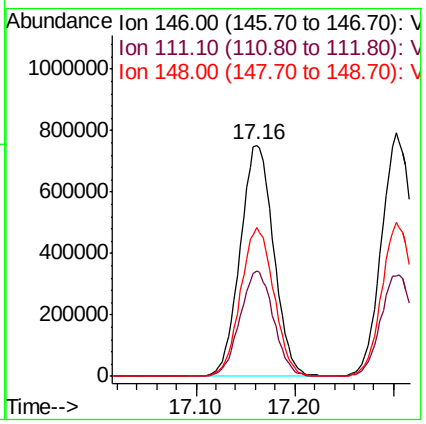


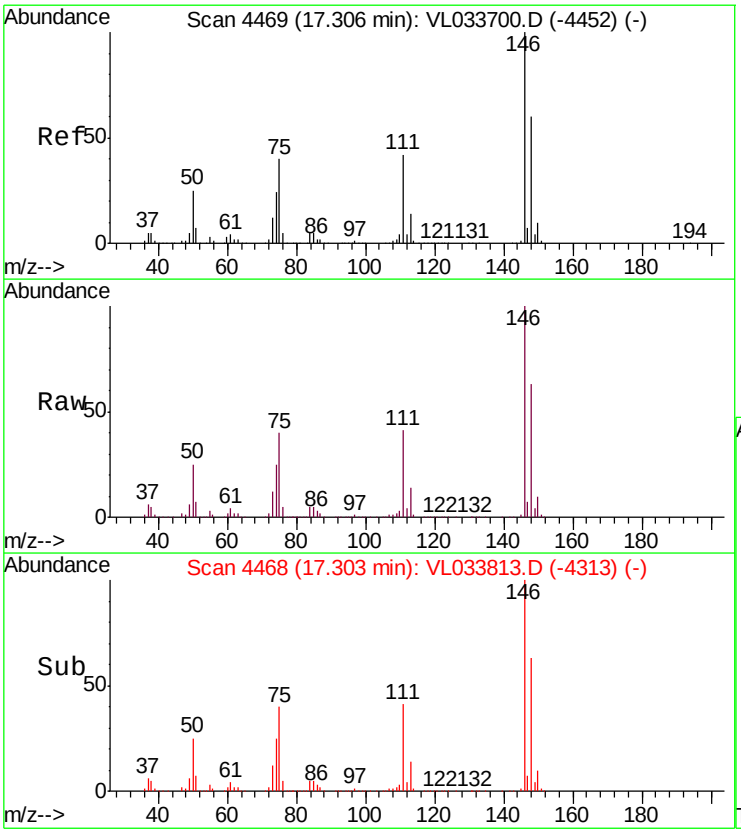
#75
1,3-Dichlorobenzene
Concen: 7.884 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:146 Resp: 1766221

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.8
148	63.9	32.0	96.2

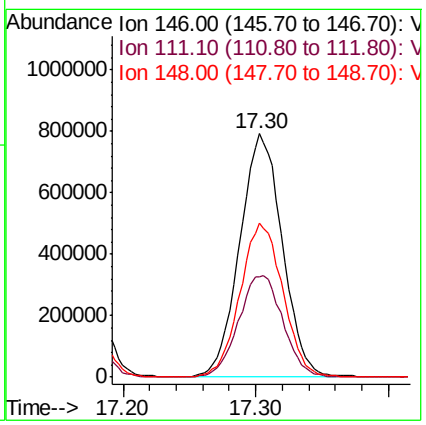


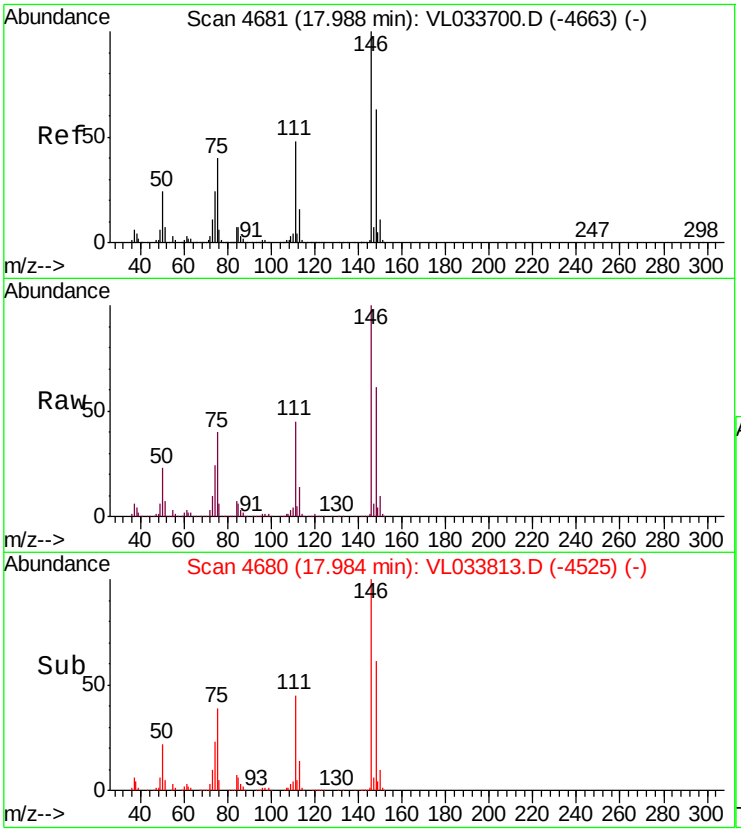


#76
1,4-Dichlorobenzene
Concen: 8.206 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:146 Resp: 1747287

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.8
148	64.6	32.1	96.3



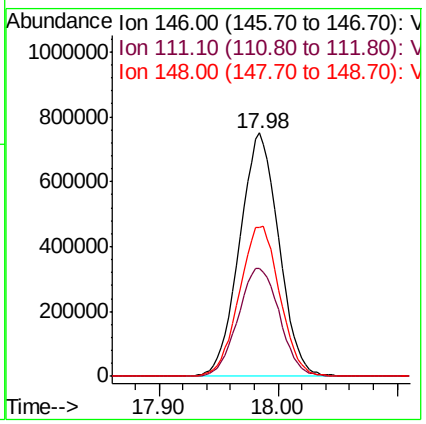


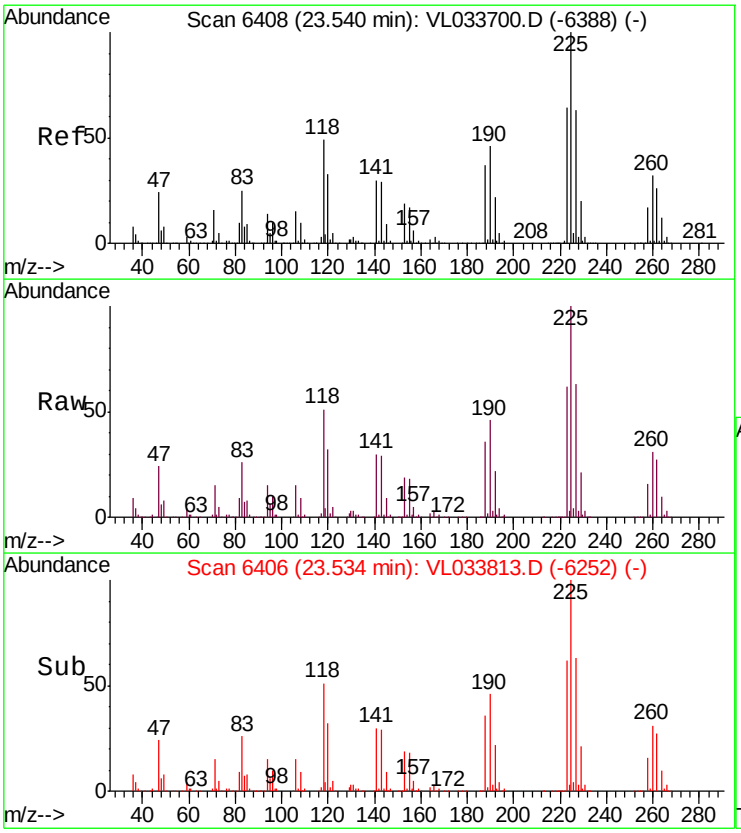
#77
1,2-Dichlorobenzene
Concen: 8.129 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:146 Resp: 1711369

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	63.8	32.1	96.3

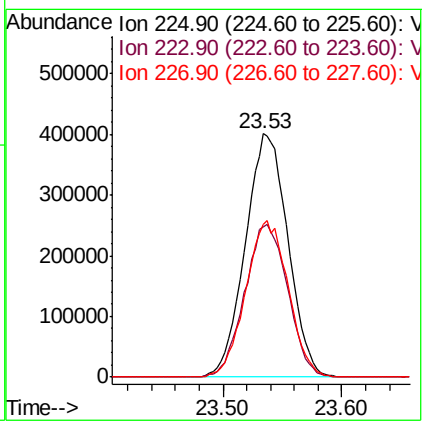


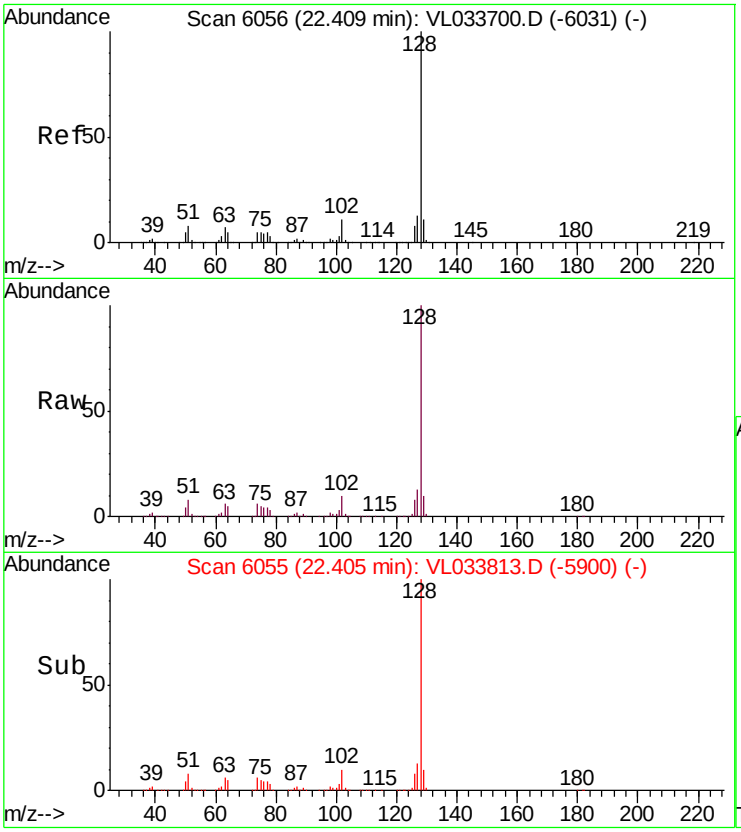


#78
Hexachloro-1,3-Butadiene
Concen: 6.237 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:225 Resp: 992698

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	64.1	50.7	76.1



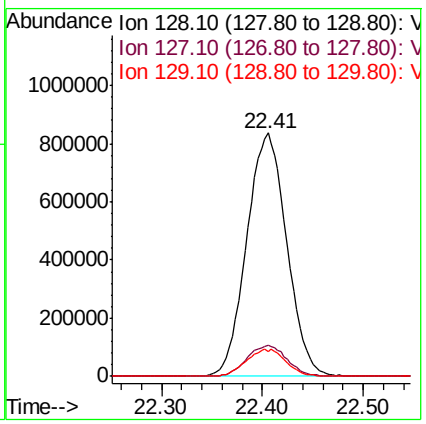


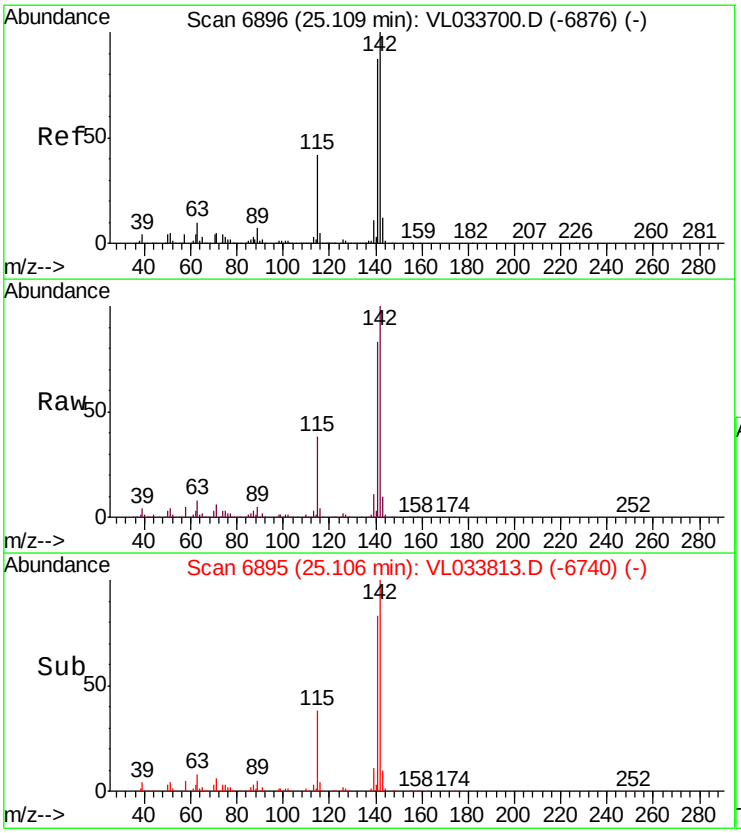
#79
Naphthalene
Concen: 6.786 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:128 Resp: 2304343

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.3	8.9	13.3

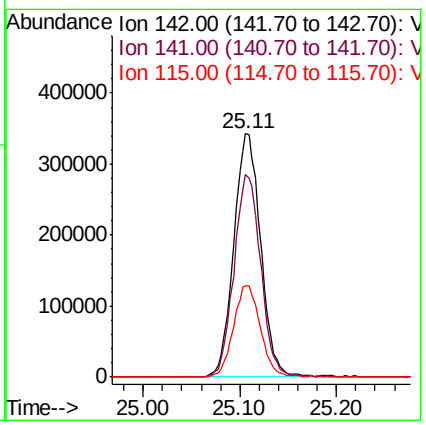


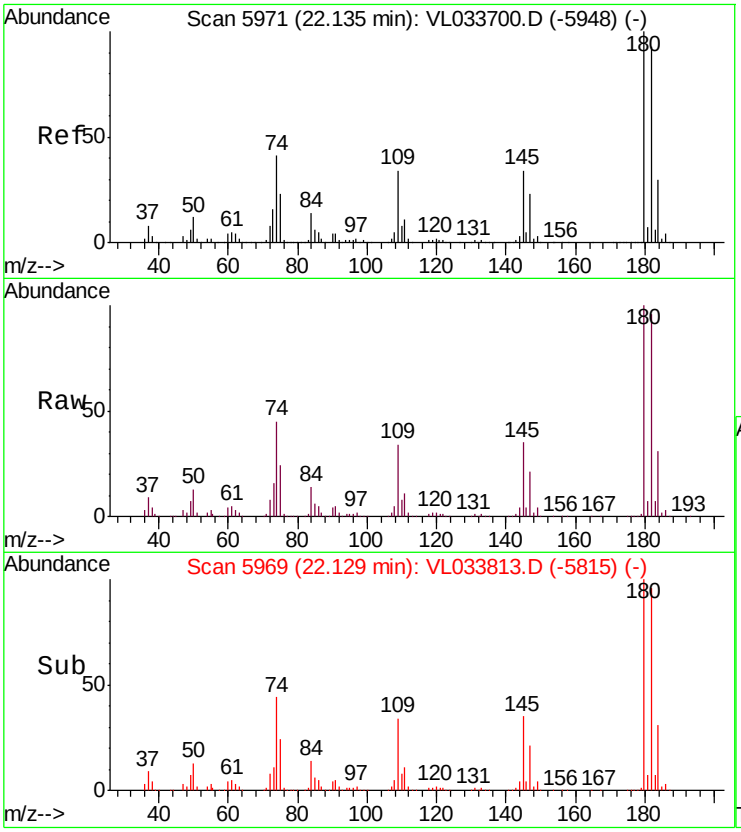


#80
Naphthalene,2-methyl-
Concen: 5.131 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Tgt Ion:142 Resp: 662106

Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.2	100.8
115	37.9	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.836 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033813.D
Acq: 28 May 2019 21:14

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02

Tgt Ion:180 Resp: 1359304

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.1	24.6	37.0