Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033771.D
Acq On : 23 May 2019 12:37
Operator : SY/AP
Sample : VL0523ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Quant Time: May 24 04:22:09 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	880626	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2067996	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2724145	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1835933	8.31	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	1419994	7.651	ppbv		100
3) Chlorodifluoromethane	3.01	51	1064544	10.553	ppbv		98
4) Chloromethane	3.17	50	601072	10.418	ppbv		99
5) Vinyl Chloride	3.29	62	600390	10.216	ppbv		99
6) Bromomethane	3.51	94	389230	10.854	ppbv		99
7) Chloroethane	3.60	64	228676	10.949	ppbv		100
8) Dichlorotetrafluoroethane	3.22	85	1580330	10.562	ppbv		99
9) Propene	3.03	41	449850	10.485	ppbv		98
10) Heptane	8.24	43	1285843	10.583	ppbv		99
11) Trichlorofluoromethane	4.00	101	1908935	10.777	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1278283	10.334	ppbv		99
13) Ethanol	3.64	45	89505	6.454	ppbv		100
14) Bromoethene	3.79	108	504833	11.102	ppbv		99
15) Acetone	3.90	43	1185151	9.700	ppbv		97
16) 1,3-Butadiene	3.36	39	546240	11.227	ppbv		98
17) tert-Butyl alcohol	4.35	59	1016796	10.292	ppbv		99
18) 1,1-Dichloroethene	4.35	96	557152	10.672	ppbv		94
19) Isopropyl Alcohol	4.02	45	762588	9.680	ppbv	#	98
20) Methylene Chloride	4.41	84	472352	10.041	ppbv		97
21) Allyl Chloride	4.47	41	820289	10.763	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	573594	10.719	ppbv		95
23) Vinyl Acetate	5.15	43	1740210	10.802	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1239338	10.120	ppbv		99
25) Ethyl Acetate	5.76	43	2182106	10.167	ppbv		100
26) Hexane	5.78	57	954311	10.342	ppbv		98
27) Carbon Disulfide	4.62	76	1417550	11.198	ppbv		100
28) Methyl tert-Butyl Ether	5.11	73	1565313	10.406	ppbv		99
29) Chloroform	5.85	83	1658208	9.756	ppbv		100
30) Cyclohexane	7.24	84	805562	10.384	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	971777	10.622	ppbv		99
32) 1,1,1-Trichloroethane	6.61	97	1703097	10.035	ppbv		100
34) 2-Butanone	5.32	43	1412806	11.022	ppbv		99
35) Carbon Tetrachloride	7.13	117	1841536	11.117	ppbv		99
36) Benzene	7.00	78	1956538	10.401	ppbv		99
37) 1,2-Dichloroethane	6.41	62	1284086	10.582	ppbv		100
38) Trichloroethene	7.96	130	859824	12.318	ppbv		97
39) 1,2-Dichloropropane	7.73	63	763429	10.885	ppbv		99
40) 1,4-Dioxane	7.95	88	297630	10.145	ppbv	#	99
41) Tetrahydrofuran	6.14	42	780911	10.873	ppbv		99
42) Bromodichloromethane	7.91	83	1892622	11.393	ppbv		94
43) Methyl Methacrylate	8.13	69	823612	11.897	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033771.D
Acq On : 23 May 2019 12:37
Operator : SY/AP
Sample : VL0523ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Quant Time: May 24 04:22:09 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	7.98	57	3478239	10.940	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1087544	12.391	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	1220721	11.878	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	845439	10.611	ppbv		95
48) Dibromochloromethane	10.45	129	1580418	11.448	ppbv		99
49) Bromoform	13.20	173	1435787	12.360	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2194709	11.131	ppbv		99
51) 2-Hexanone	10.26	43	1793310	11.654	ppbv	#	98
52) Tetrachloroethene	11.37	164	764254	11.557	ppbv		98
53) Toluene	9.94	91	2351082	11.587	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1342502	11.041	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1058181	8.395	ppbv		99
57) Chlorobenzene	12.29	112	1849307	8.247	ppbv		99
58) Ethyl Benzene	12.86	91	3348699	9.283	ppbv		99
59) m/p-Xylene	13.15	91	3218404	10.206	ppbv	#	47
60) o-Xylene	13.84	91	2841057	8.937	ppbv		99
61) Styrene	13.68	104	2094122	9.784	ppbv		99
62) Isopropylbenzene	14.82	105	3725688	8.703	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.83	83	2005911	8.677	ppbv		100
64) n-propylbenzene	15.72	120	978326	8.835	ppbv		94
65) tert-Butylbenzene	16.90	119	3485007	8.916	ppbv		99
66) Benzyl Chloride	17.15	91	1805120	9.696	ppbv		100
67) sec-Butylbenzene	17.45	105	4862680	8.888	ppbv		99
69) p-Isopropyltoluene	17.81	119	4022135	8.895	ppbv		99
70) n-Butylbenzene	18.71	91	4143918	8.546	ppbv		100
71) 2-Chlorotoluene	15.61	91	2859573	9.003	ppbv		99
72) 4-Ethyltoluene	15.99	105	3322525	9.141	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3196592	9.014	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3336300	8.644	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	1918564	8.112	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1897294	8.441	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	1853856	8.342	ppbv		99
78) Hexachloro-1,3-Butadiene	23.53	225	1139174	6.780	ppbv		99
79) Naphthalene	22.40	128	2753453	7.681	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	889440	6.530	ppbv		96
81) 1,2,4-Trichlorobenzene	22.12	180	1569402	7.477	ppbv		99

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

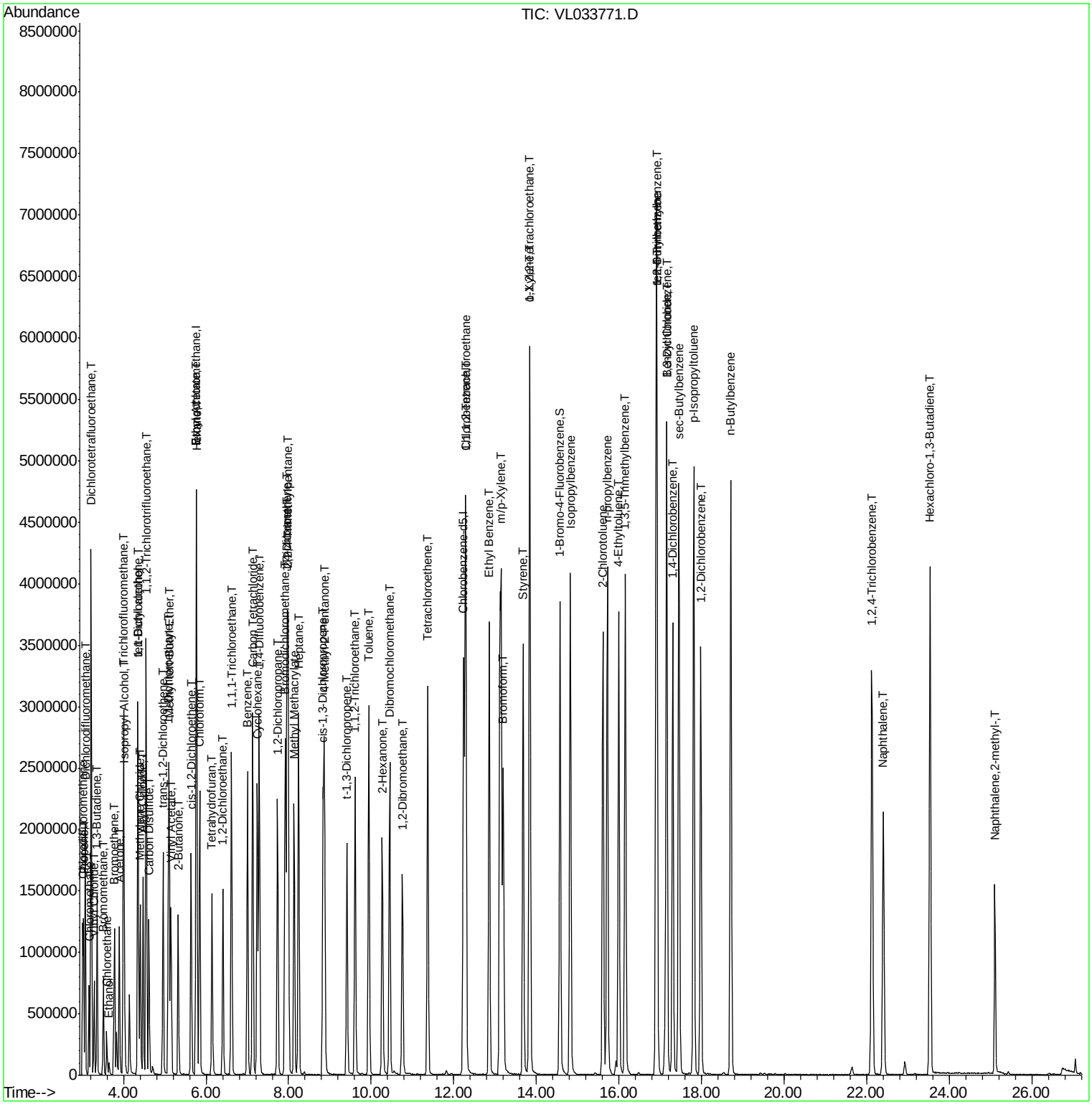
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

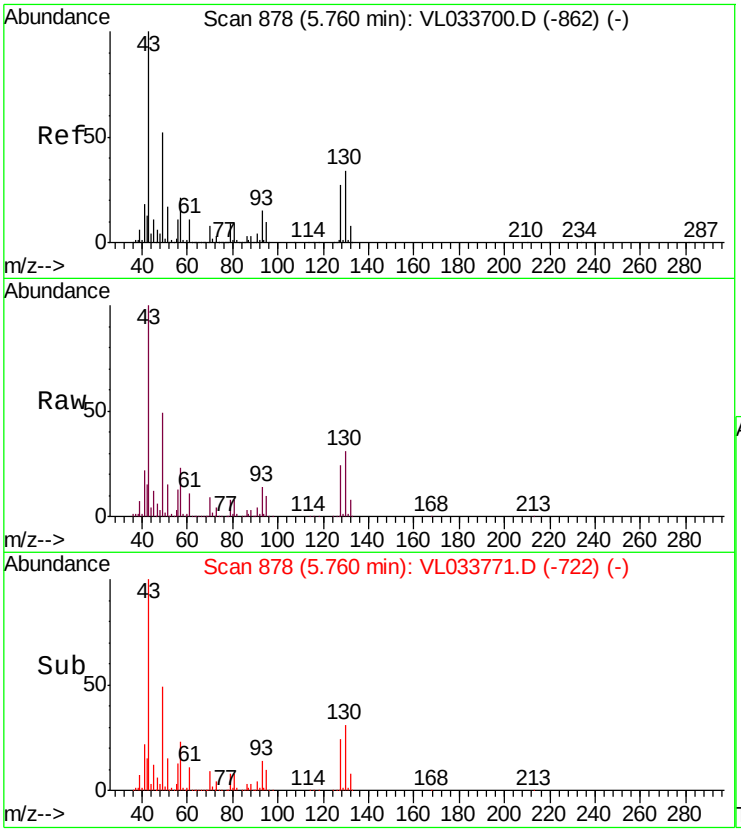
Quantitation Report (Not Reviewed)

Data File : VL033771.D
Acq On : 23 May 2019 12:37
Operator : SY/AP
Sample : VL0523ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Quant Time: May 24 04:22:09 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



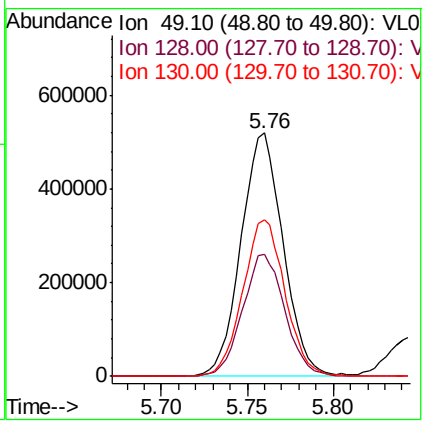


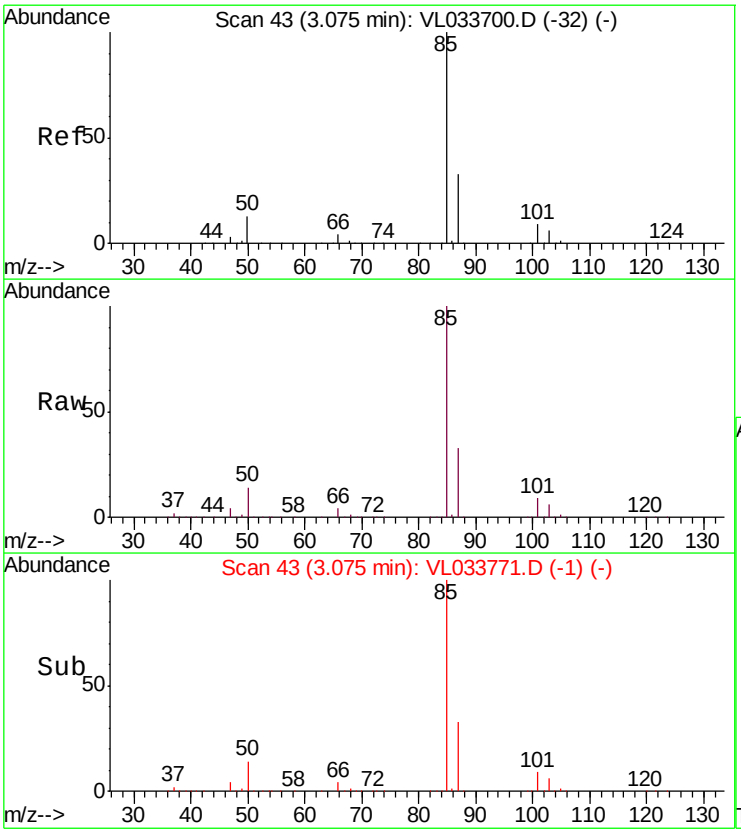
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 49 Resp: 880626

Ion	Ratio	Lower	Upper
49	100		
128	50.4	25.2	75.6
130	64.9	32.5	97.5

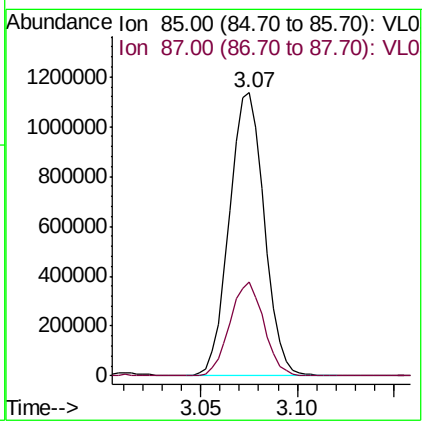


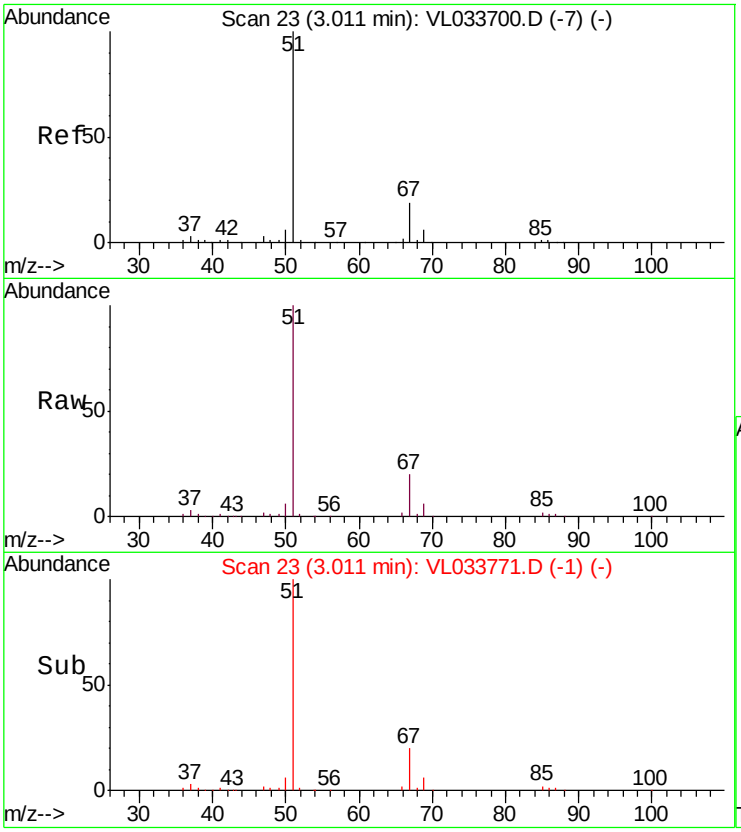


#2
Dichlorodifluoromethane
Concen: 7.651 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 85 Resp: 1419994

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.3	39.5



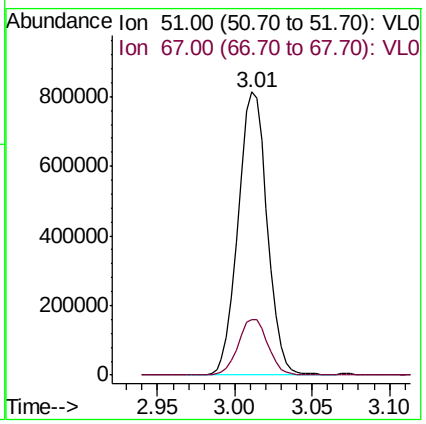


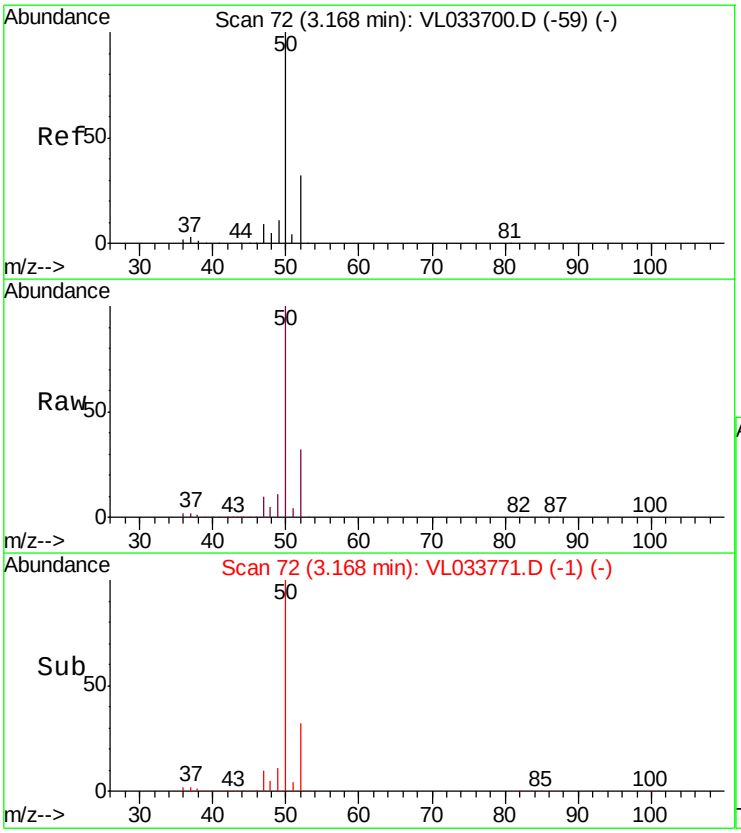
#3
Chlorodifluoromethane
Concen: 10.553 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 51 Resp: 1064544

Ion	Ratio	Lower	Upper
51	100		
67	20.3	15.6	23.4

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

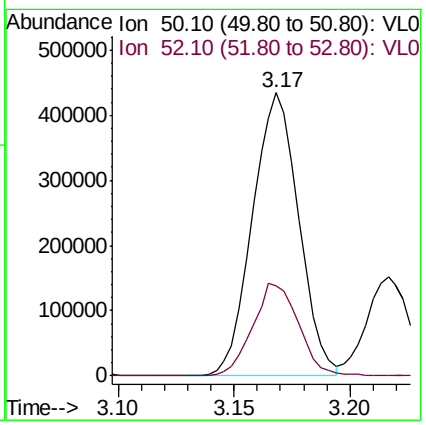


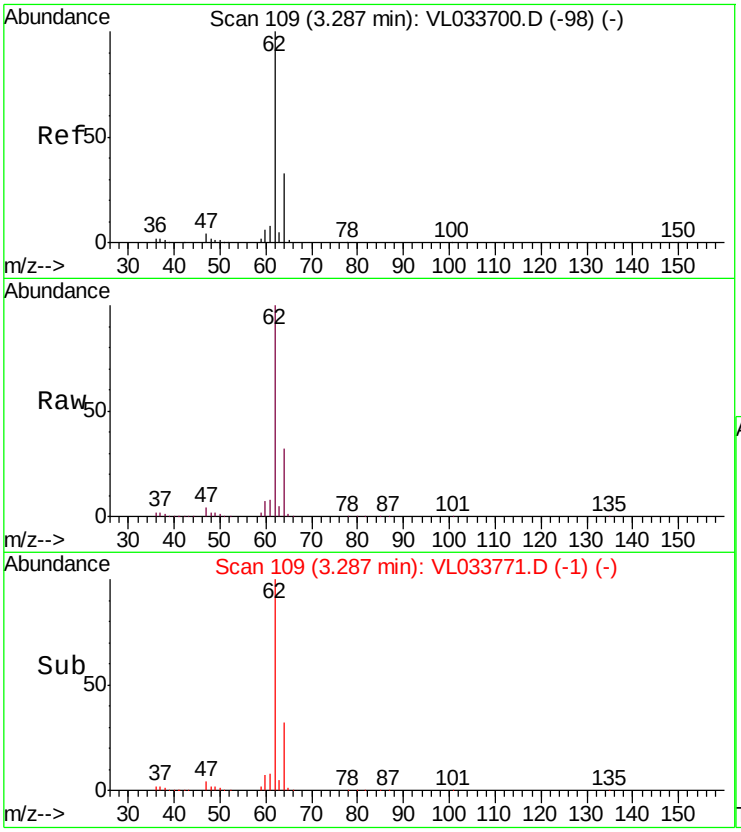


#4
Chloromethane
Concen: 10.418 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 50 Resp: 601072

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.7	38.5



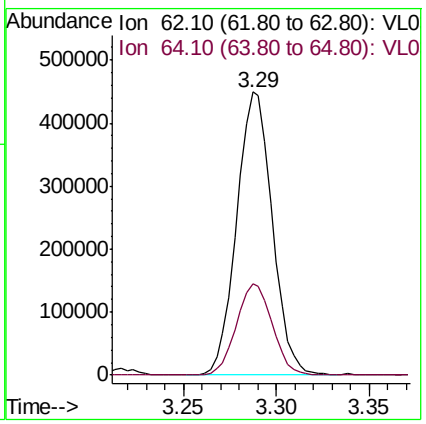


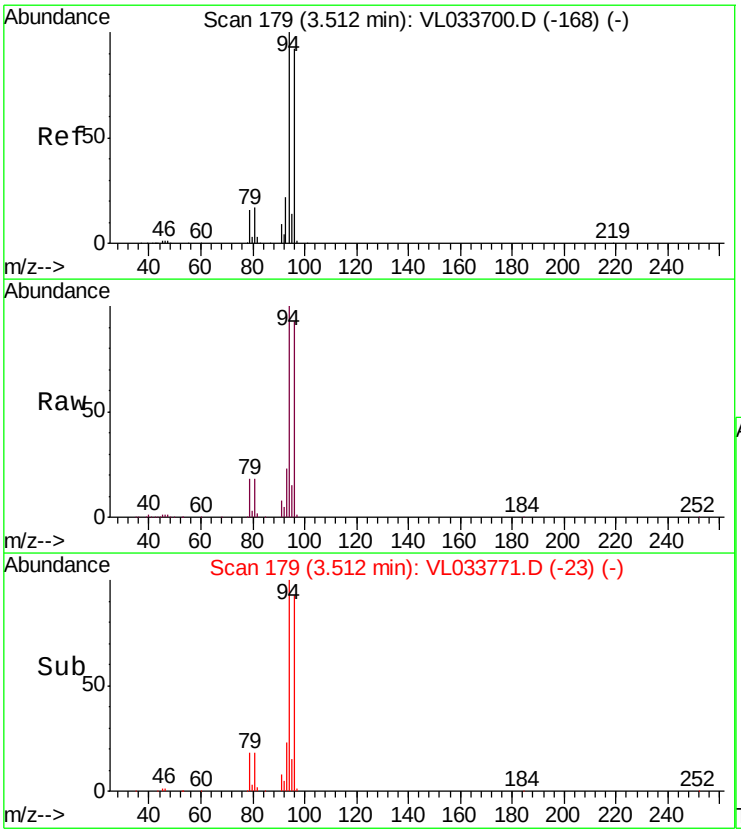
#5
Vinyl Chloride
Concen: 10.216 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 62 Resp: 600390

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.4	39.6

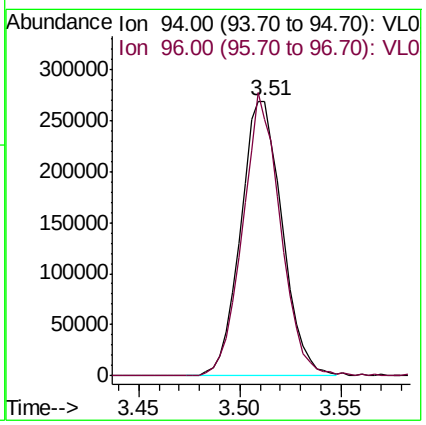


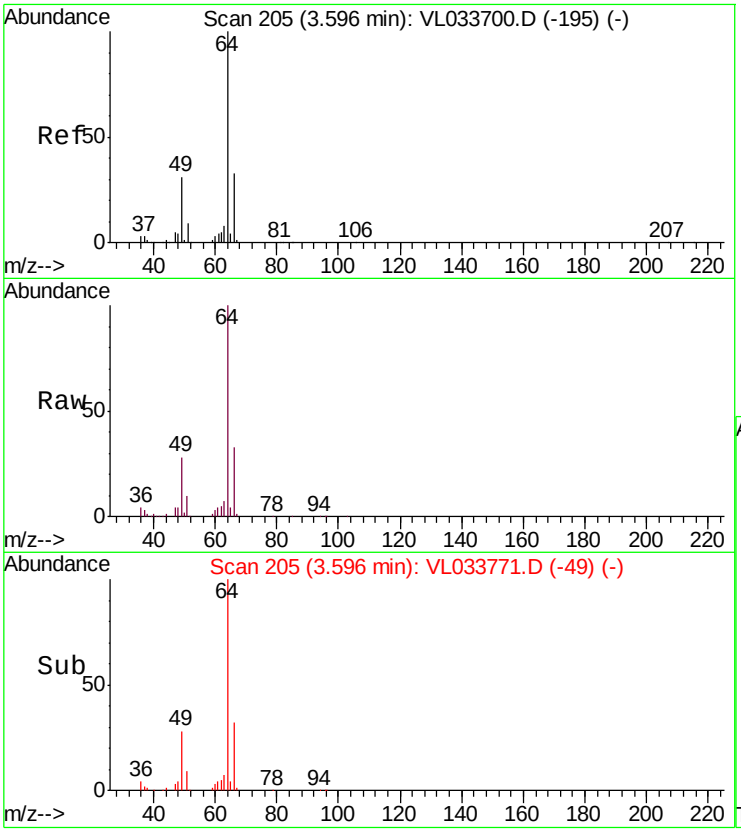


#6
Bromomethane
Concen: 10.854 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 94 Resp: 389230

Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.6	110.4



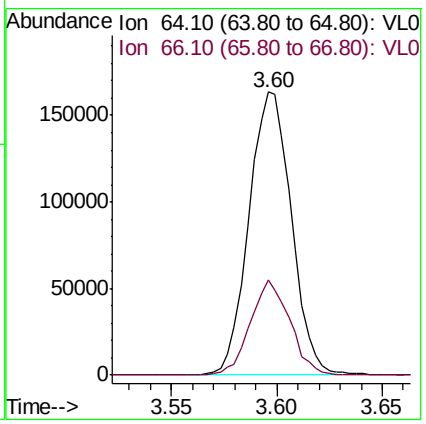


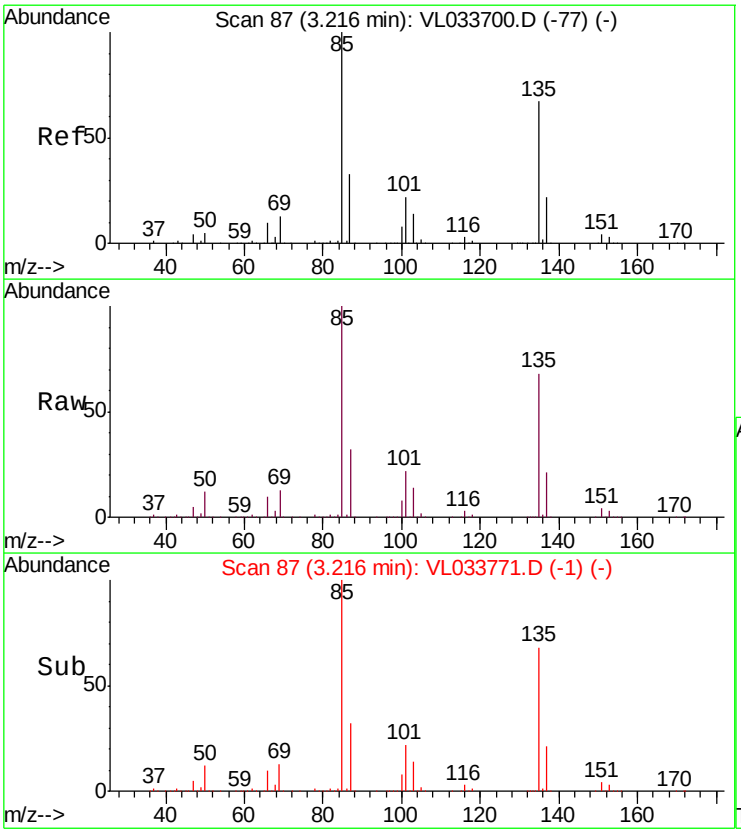
#7
Chloroethane
Concen: 10.949 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 64 Resp: 228676

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.6	40.0

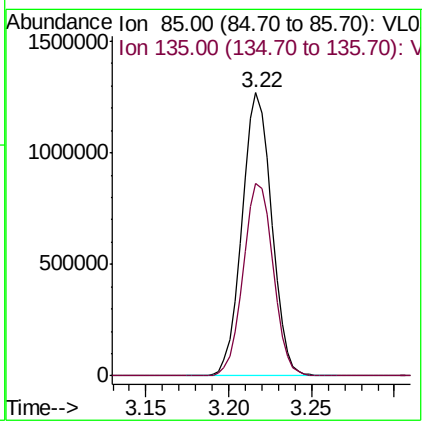


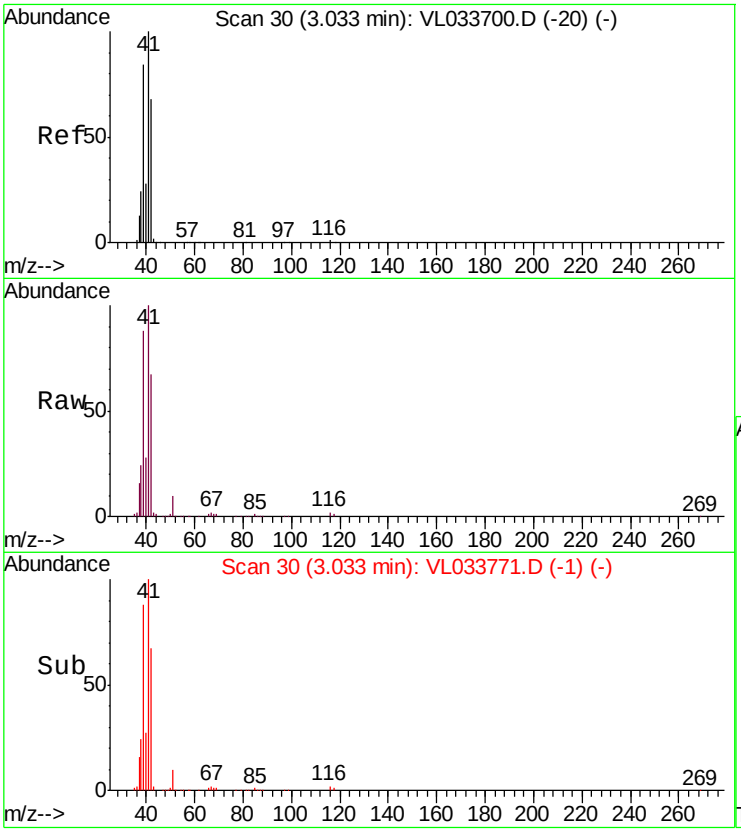


#8
Dichlorotetrafluoroethane
Concen: 10.562 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 85 Resp: 1580330

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.5	81.7



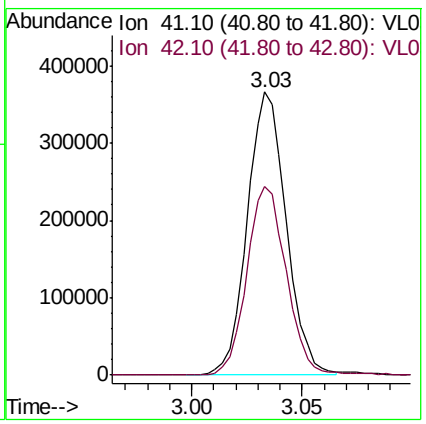


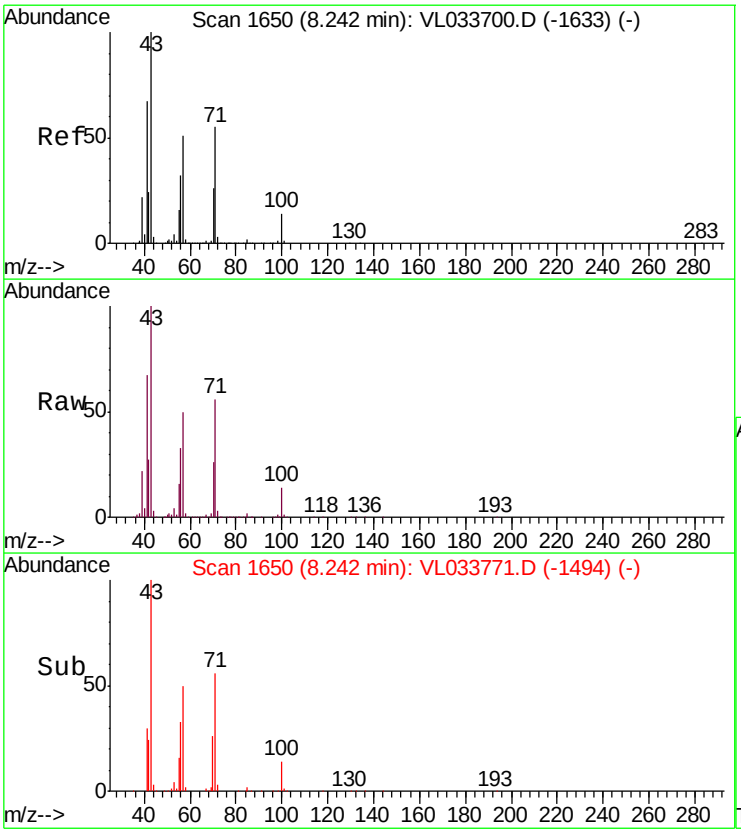
#9
Propene
Concen: 10.485 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 41 Resp: 449850

Ion	Ratio	Lower	Upper
41	100		
42	68.2	56.1	84.1

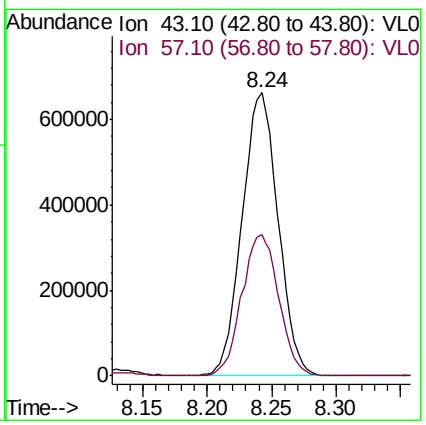


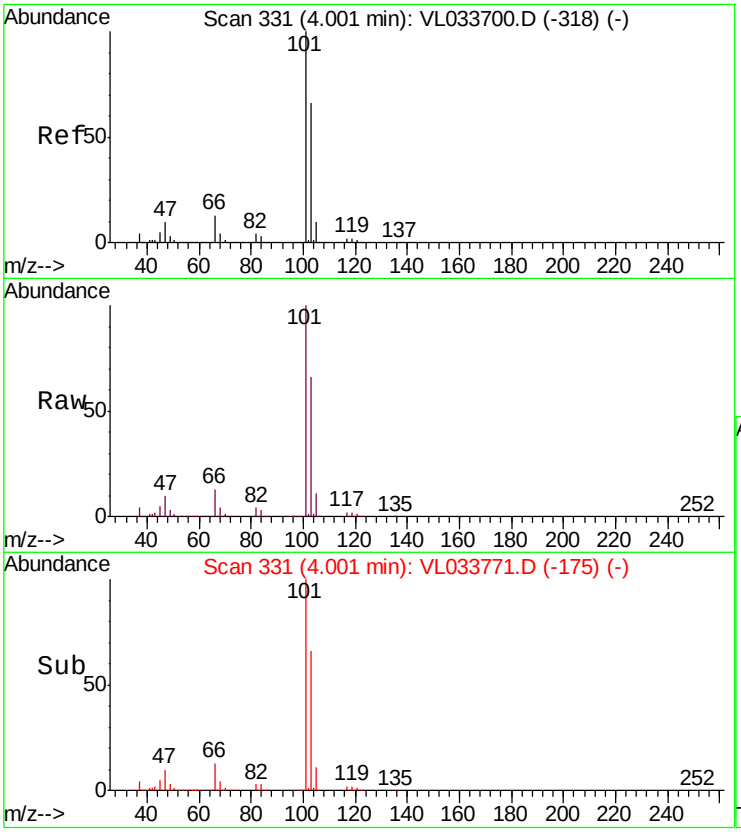


#10
Heptane
Concen: 10.583 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 43 Resp: 1285843

Ion	Ratio	Lower	Upper
43	100		
57	51.3	41.4	62.0



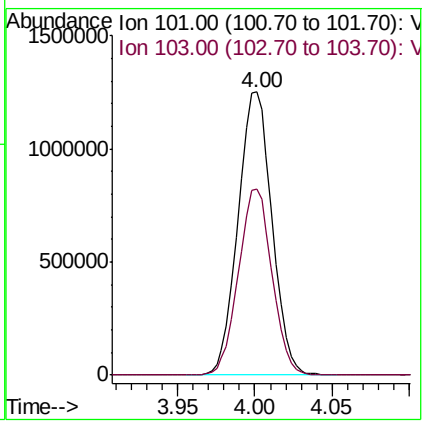


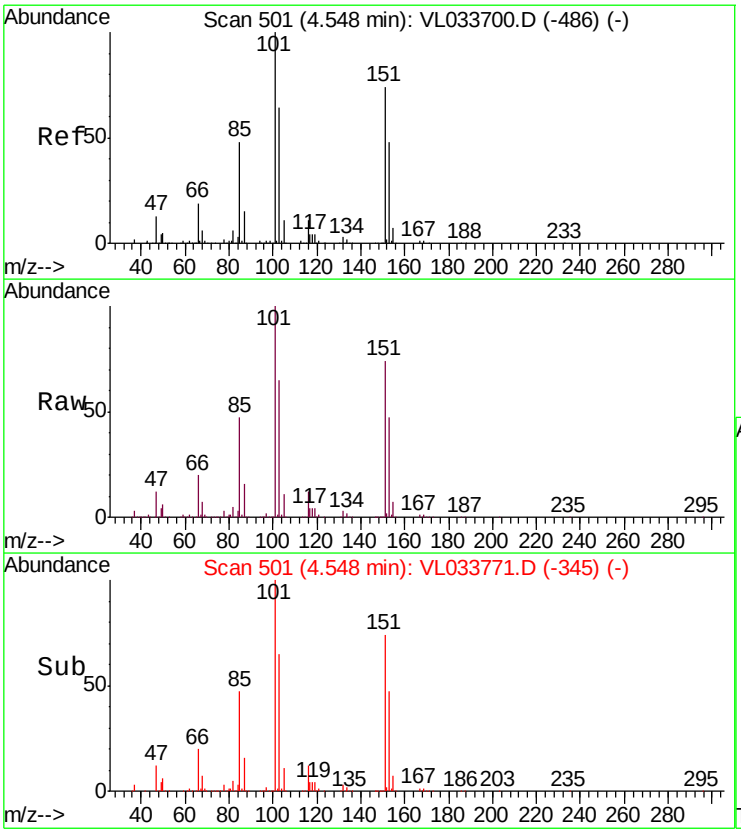
#11
Trichlorofluoromethane
Concen: 10.777 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:101 Resp: 1908935

Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	78.8

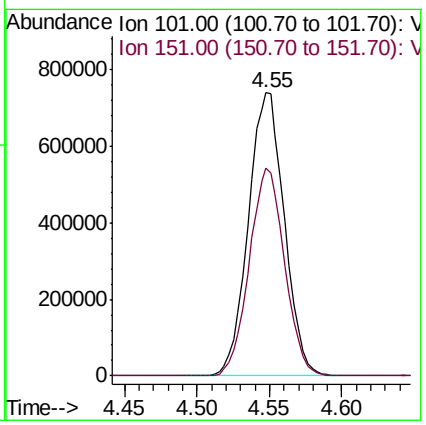


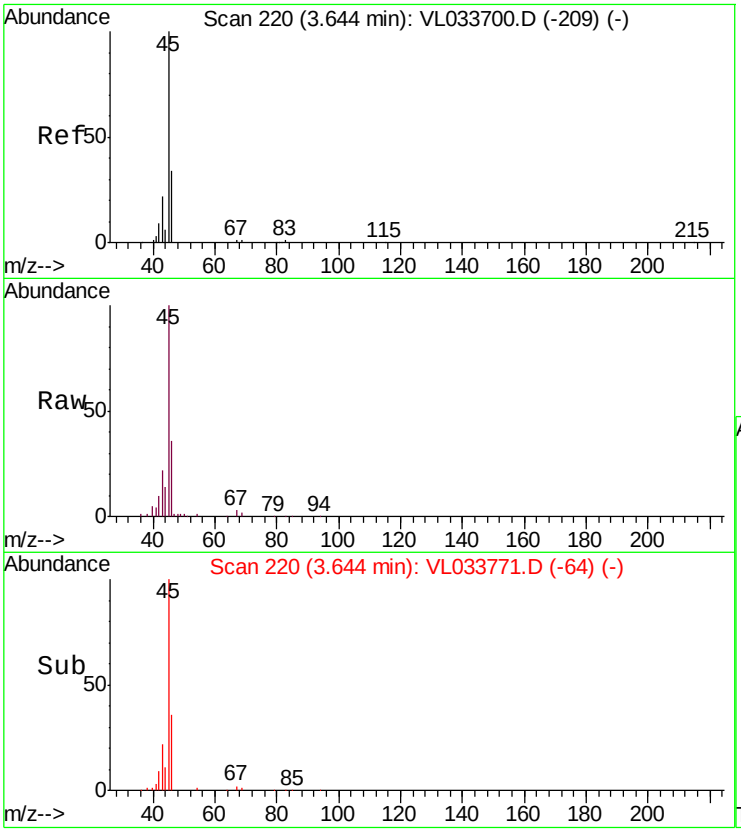


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.334 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:101 Resp: 1278283

Ion	Ratio	Lower	Upper
101	100		
151	72.0	58.2	87.4



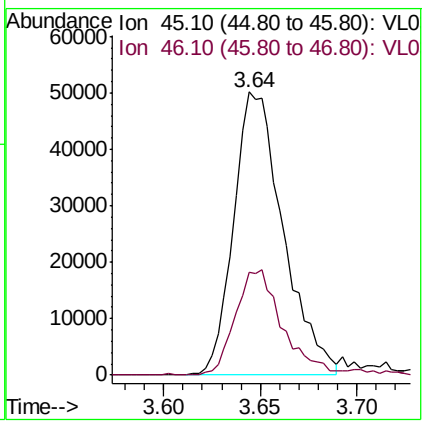


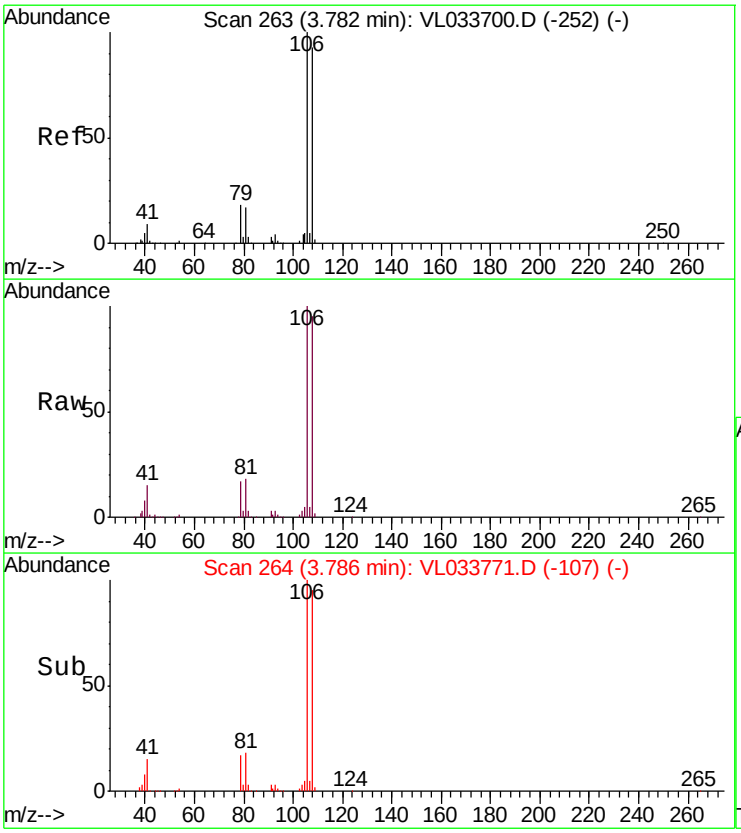
#13
Ethanol
Concen: 6.454 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 45 Resp: 89505

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.8	59.0

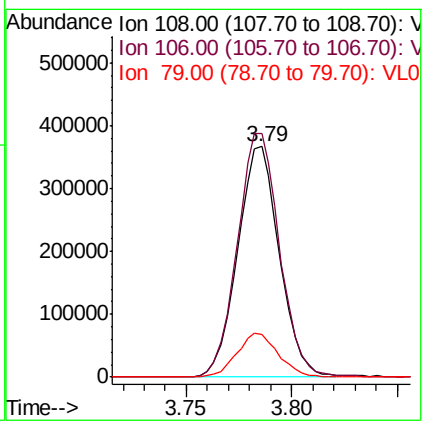


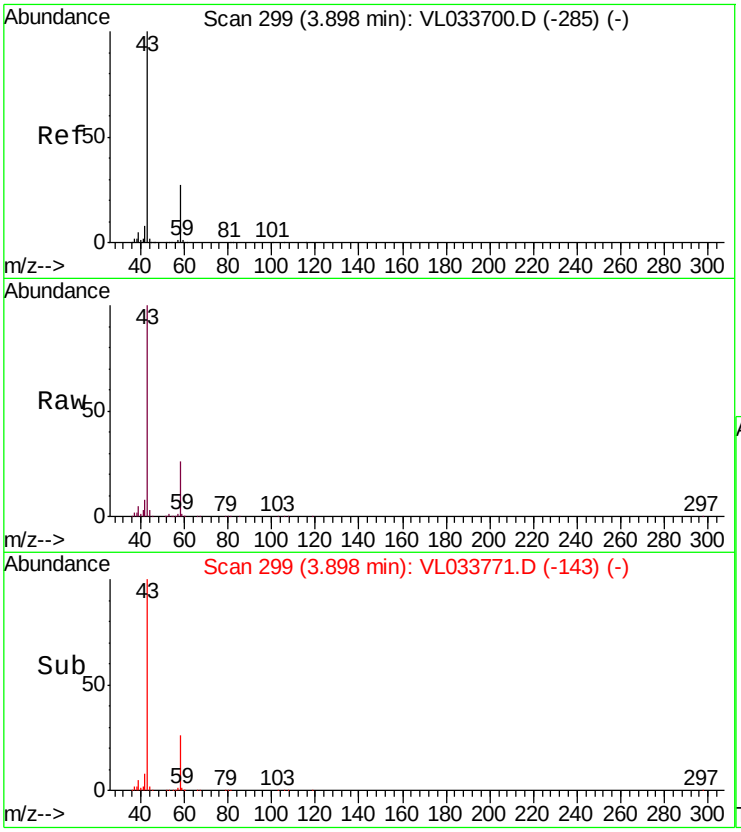


#14
Bromoethene
Concen: 11.102 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:108 Resp: 504833

Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.5	129.7
79	19.3	15.1	22.7



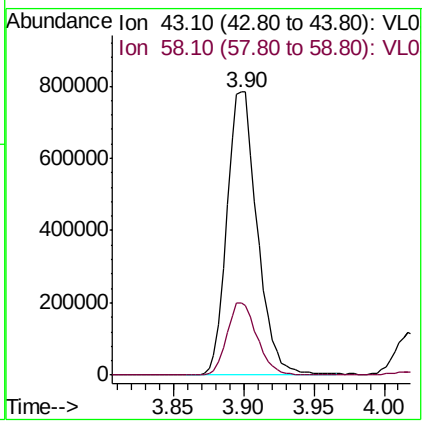


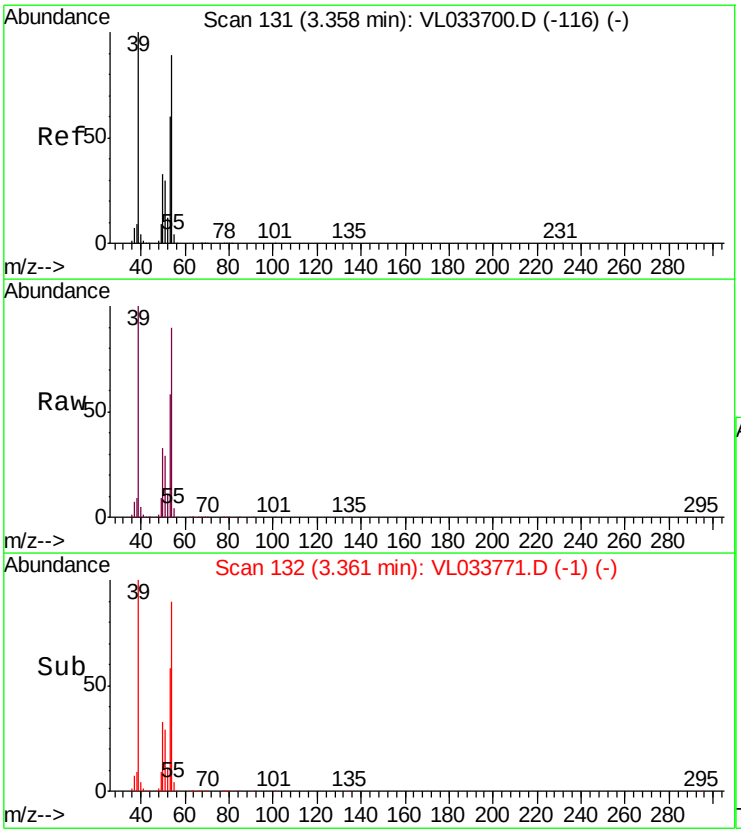
#15
Acetone
Concen: 9.700 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 43 Resp: 1185151

Ion	Ratio	Lower	Upper
43	100		
58	25.3	21.3	31.9

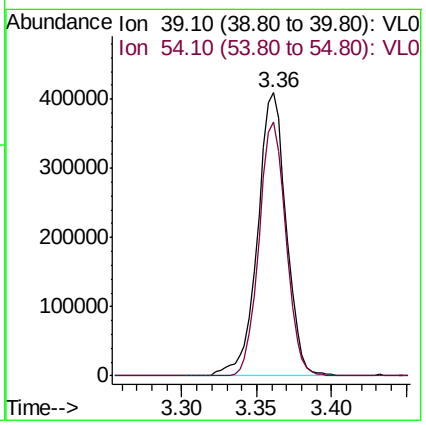


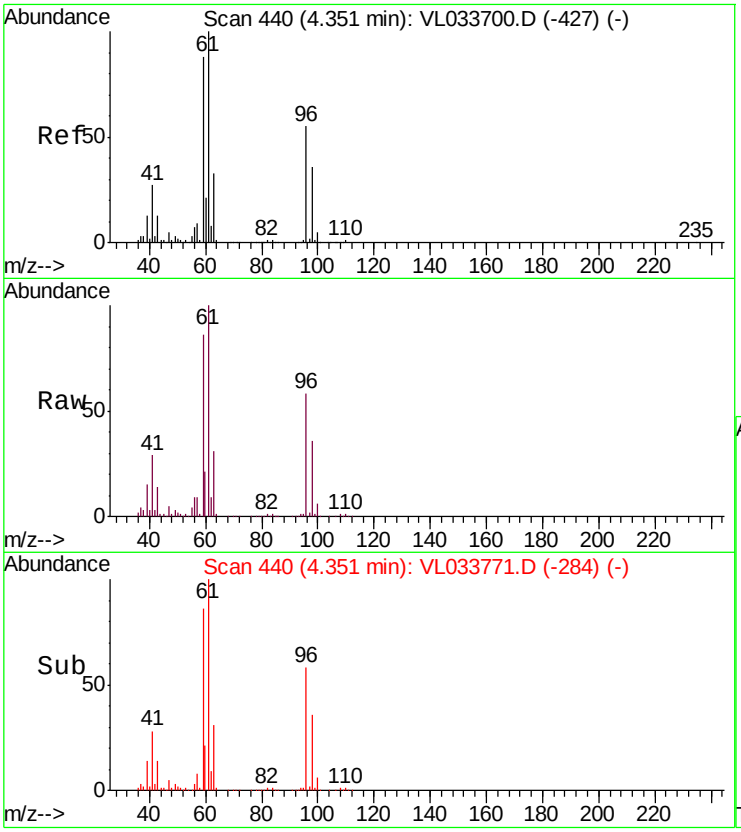


#16
1,3-Butadiene
Concen: 11.227 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 39 Resp: 546240

Ion	Ratio	Lower	Upper
39	100		
54	84.8	69.0	103.6



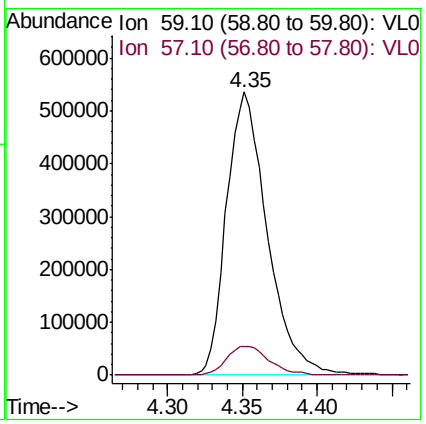


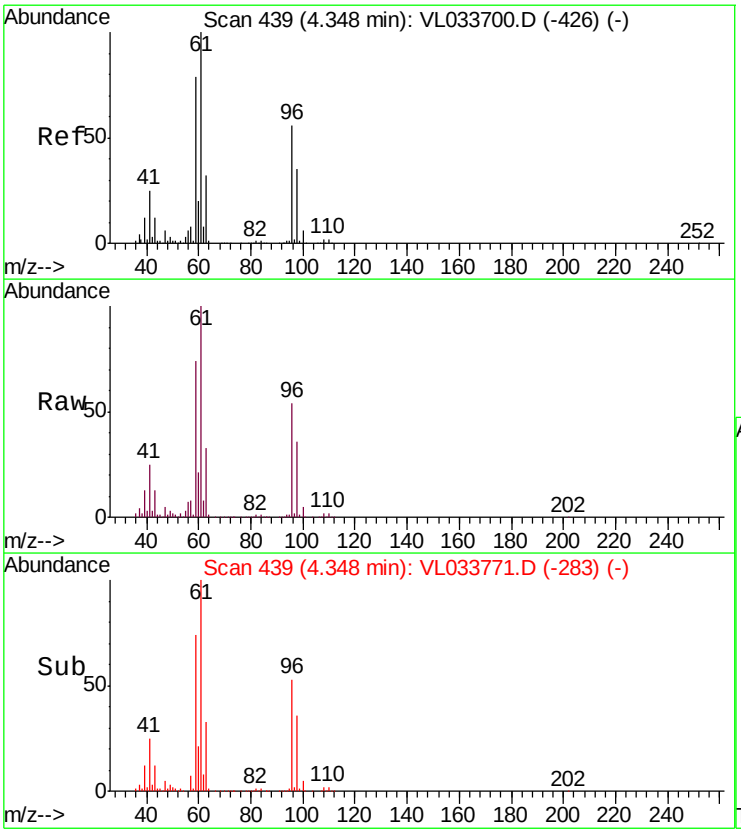
#17
tert-Butyl alcohol
Concen: 10.292 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 59 Resp: 1016796

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

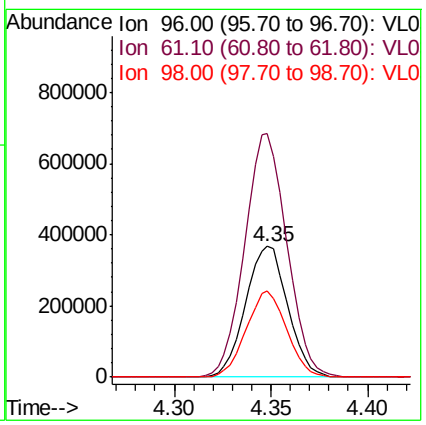


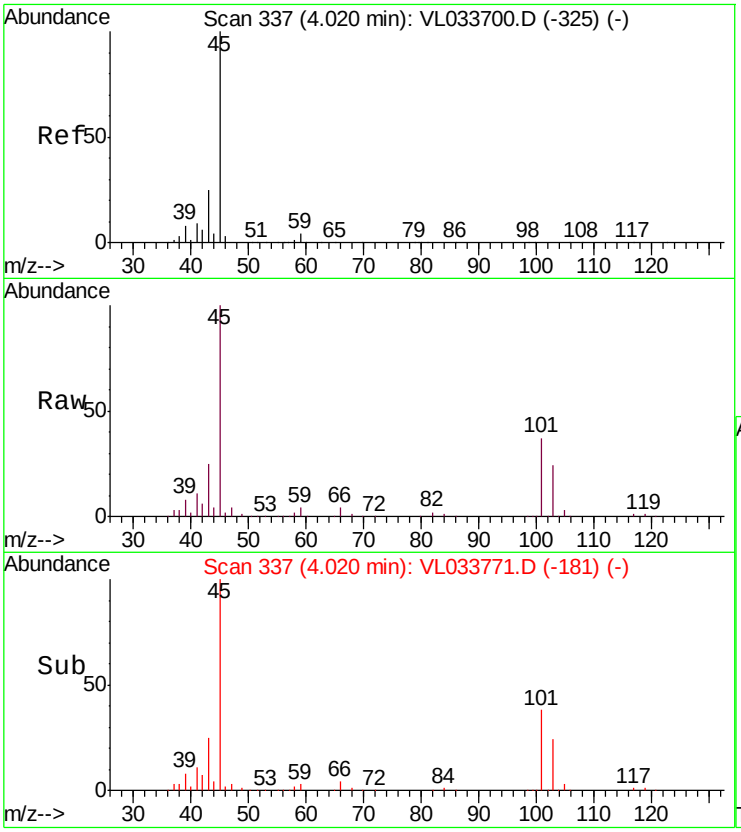


#18
1,1-Dichloroethene
Concen: 10.672 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 96 Resp: 557152

Ion	Ratio	Lower	Upper
96	100		
61	186.6	143.1	214.7
98	66.5	49.5	74.3



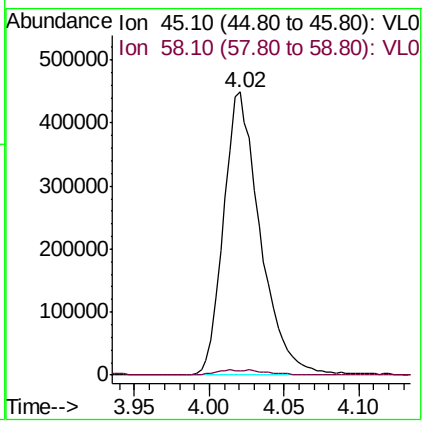


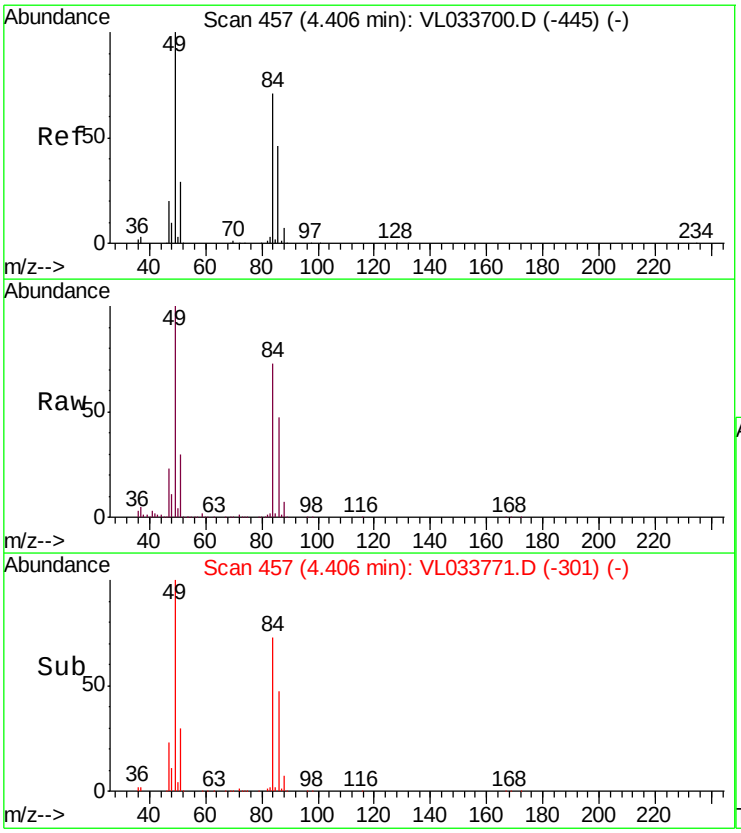
#19
Isopropyl Alcohol
Concen: 9.680 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 45 Resp: 762588

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.6	2.4#

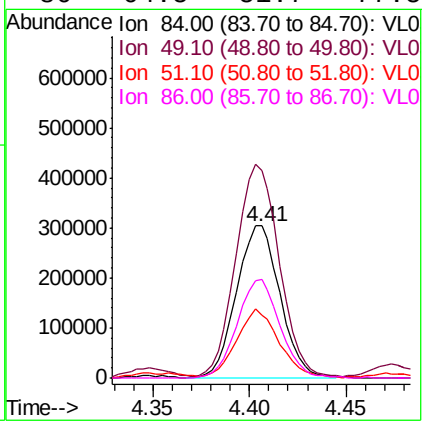


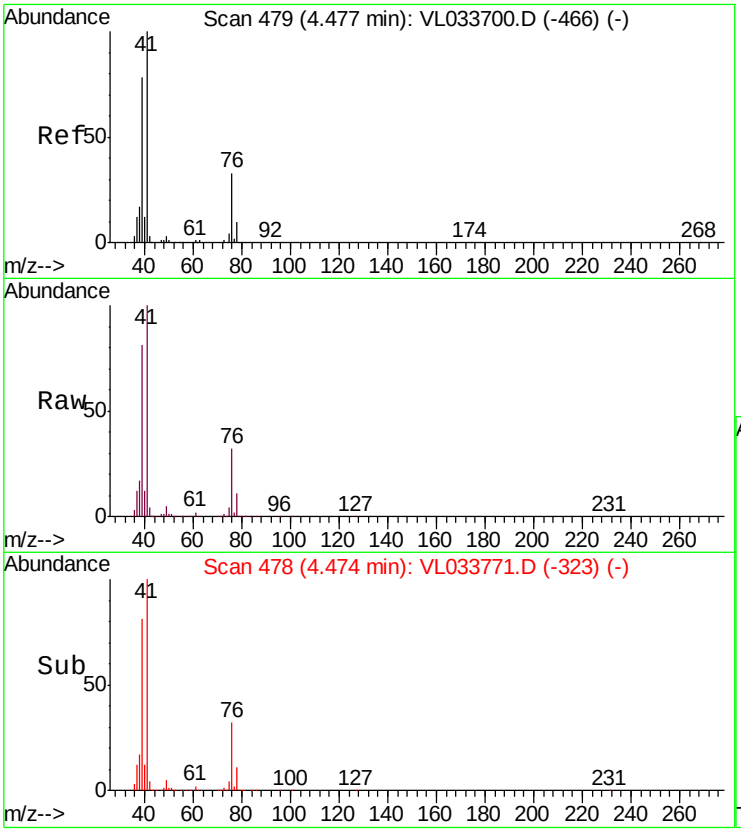


#20
Methylene Chloride
Concen: 10.041 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 84 Resp: 472352

Ion	Ratio	Lower	Upper
84	100		
49	135.8	112.8	169.2
51	40.9	33.4	50.0
86	64.5	51.7	77.5



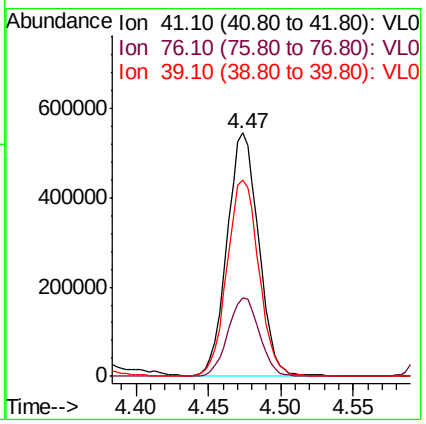


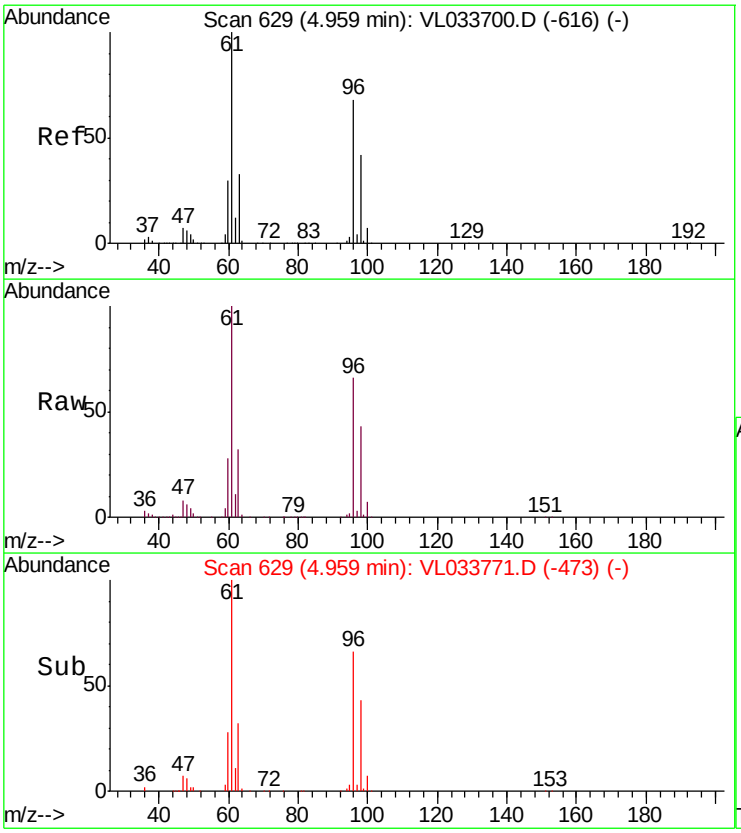
#21
Allyl Chloride
Concen: 10.763 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 41 Resp: 820289

Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.9	38.9
39	81.5	64.6	97.0

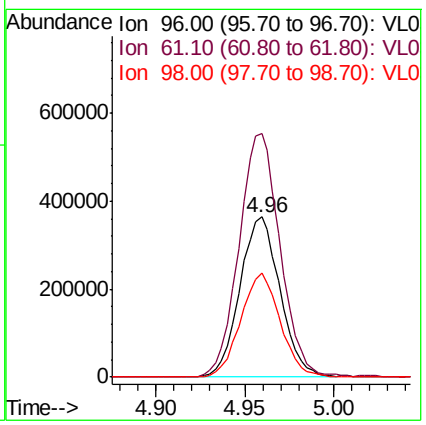


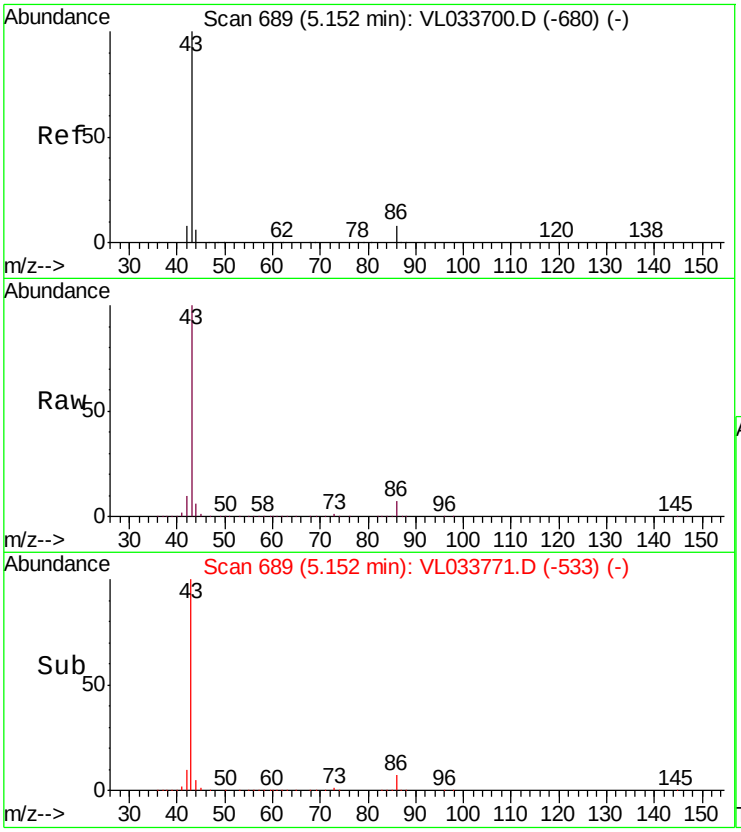


#22
trans-1,2-Dichloroethene
Concen: 10.719 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 96 Resp: 573594

Ion	Ratio	Lower	Upper
96	100		
61	152.2	116.8	175.2
98	64.8	49.4	74.0



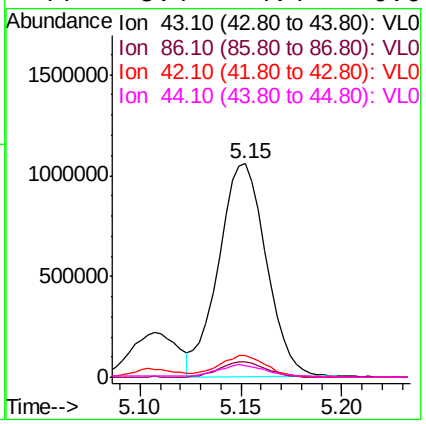


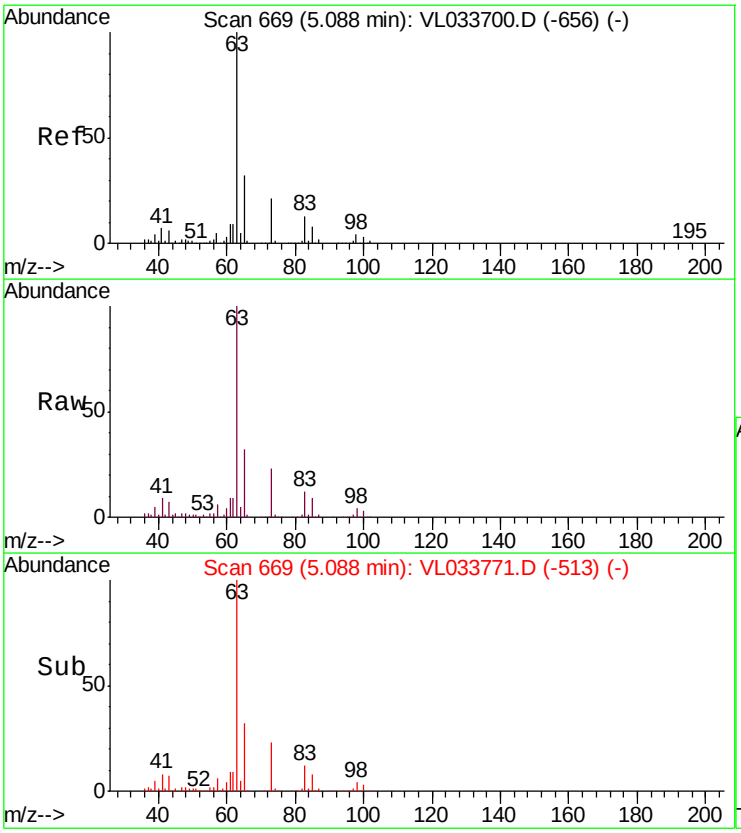
#23
Vinyl Acetate
Concen: 10.802 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 43 Resp: 1740210

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.0	9.0
42	10.0	7.5	11.3
44	5.4	4.4	6.6

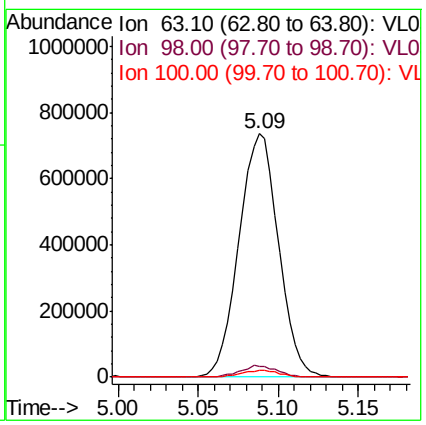


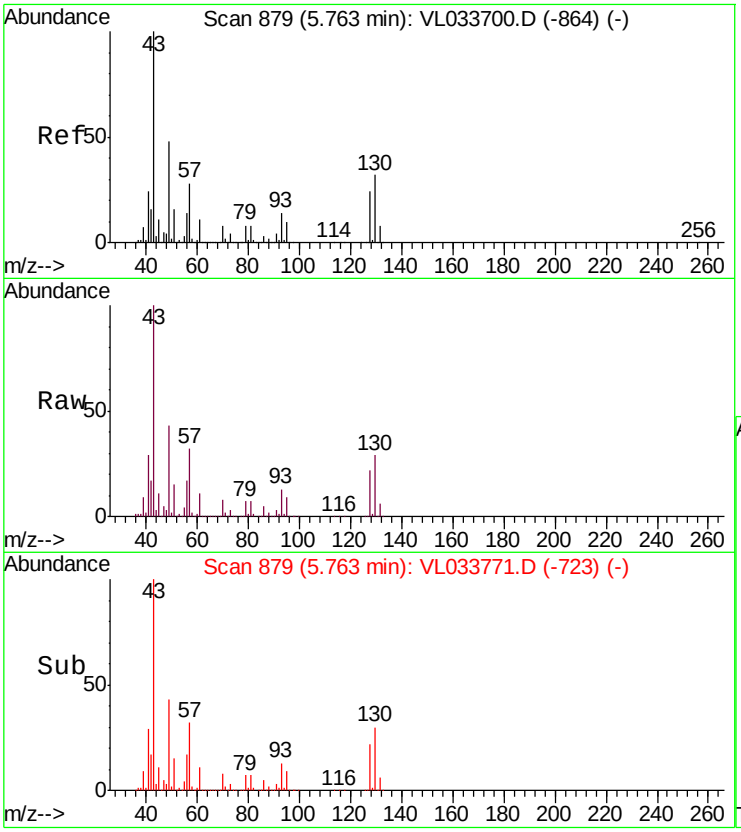


#24
1,1-Dichloroethane
Concen: 10.120 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 63 Resp: 1239338

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.5
100	2.6	1.4	4.2



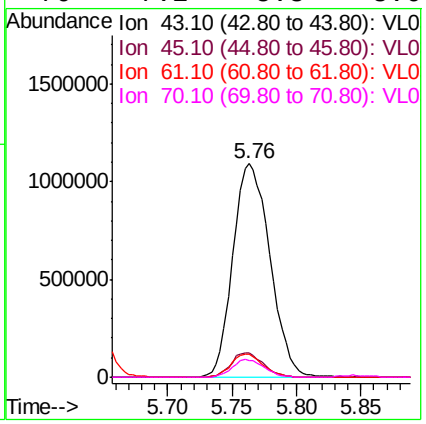


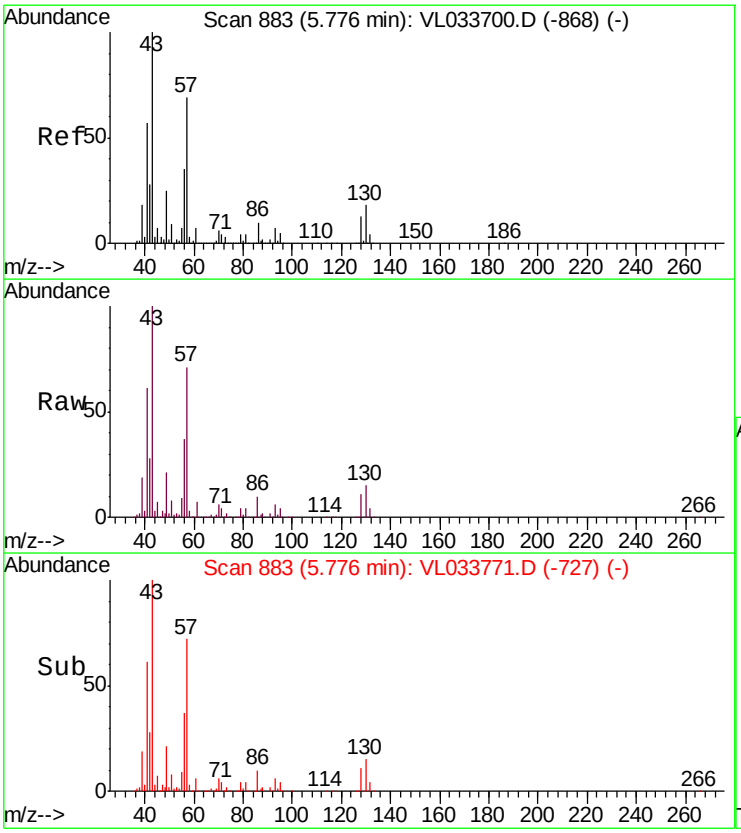
#25
Ethyl Acetate
Concen: 10.167 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 43 Resp: 2182106

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.7	11.5
70	7.2	5.8	8.6

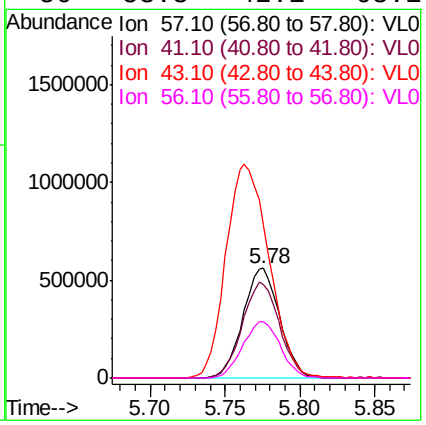


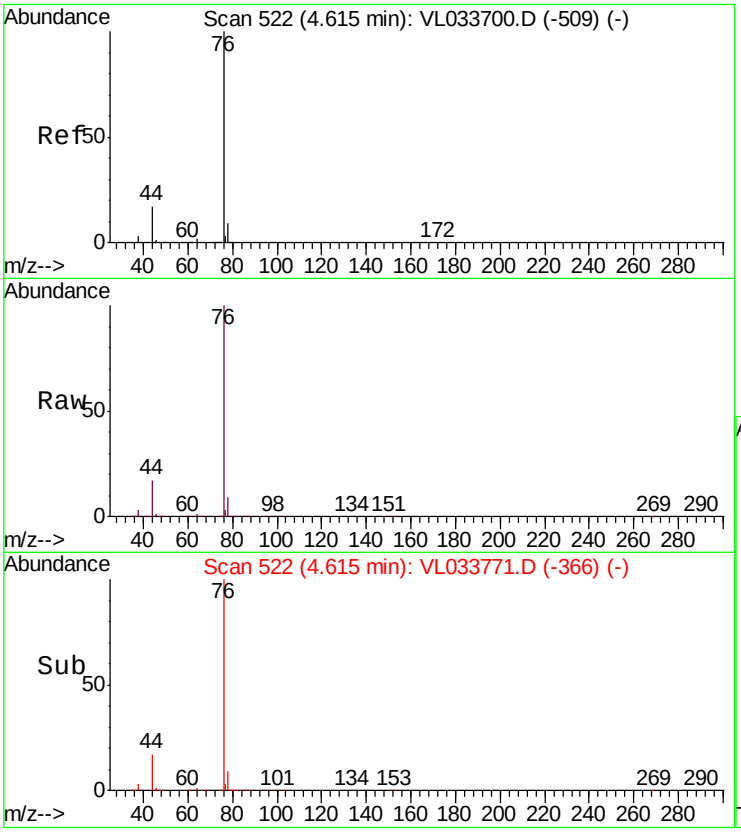


#26
Hexane
Concen: 10.342 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 57 Resp: 954311

Ion	Ratio	Lower	Upper
57	100		
41	89.5	69.8	104.6
43	230.2	181.8	272.6
56	53.3	42.1	63.1



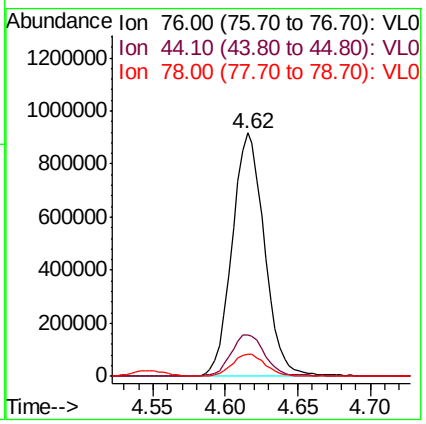


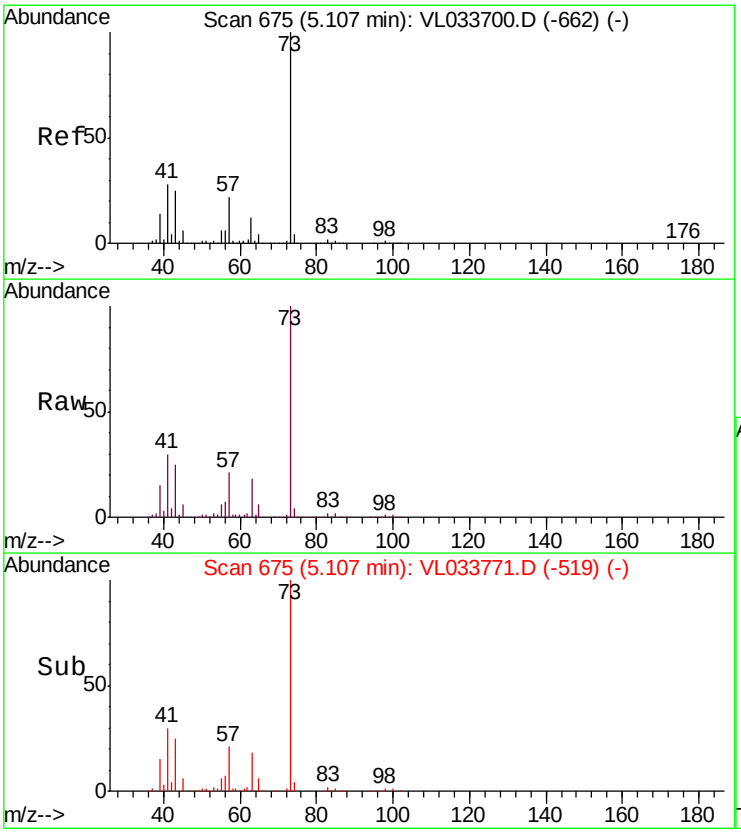
#27
Carbon Disulfide
Concen: 11.198 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 76 Resp: 1417550

Ion	Ratio	Lower	Upper
76	100		
44	17.6	13.8	20.8
78	9.3	7.4	11.0

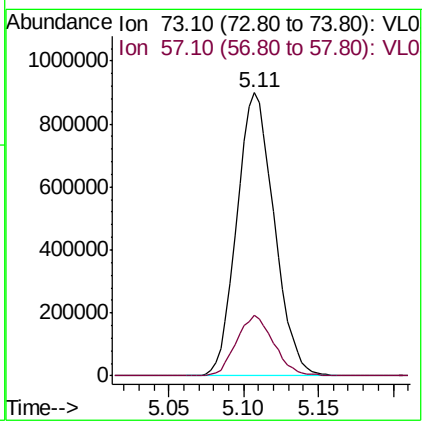


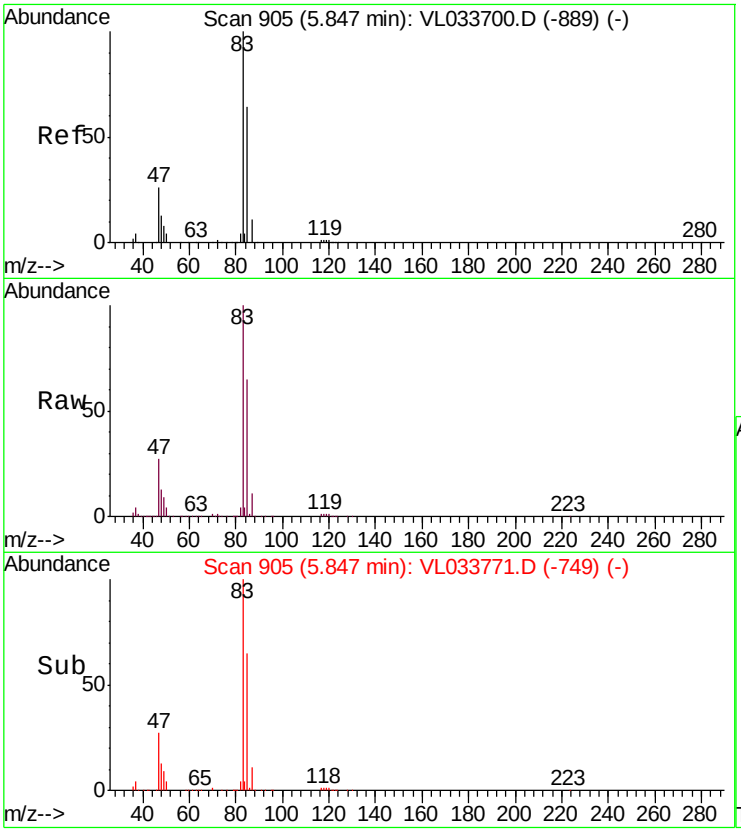


#28
Methyl tert-Butyl Ether
Concen: 10.406 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 73 Resp: 1565313

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2



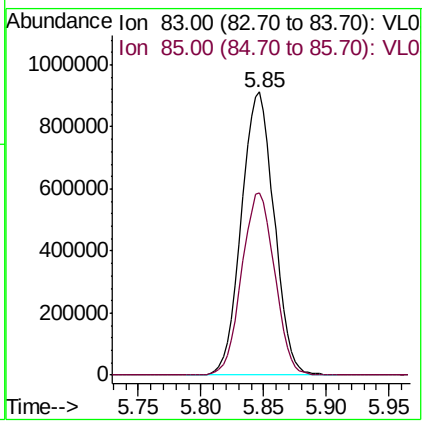


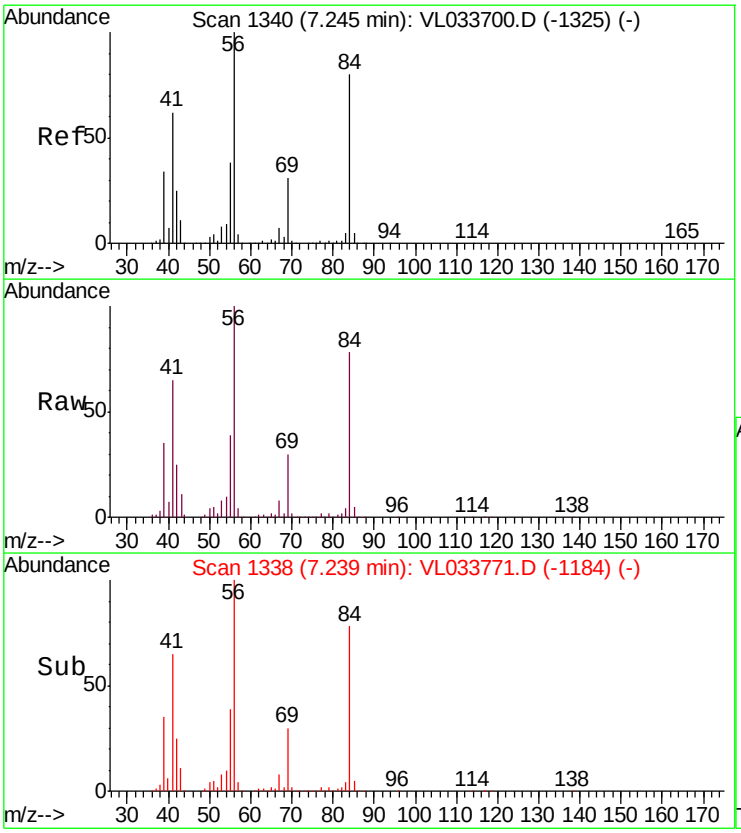
#29
Chloroform
Concen: 9.756 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 83 Resp: 1658208

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3

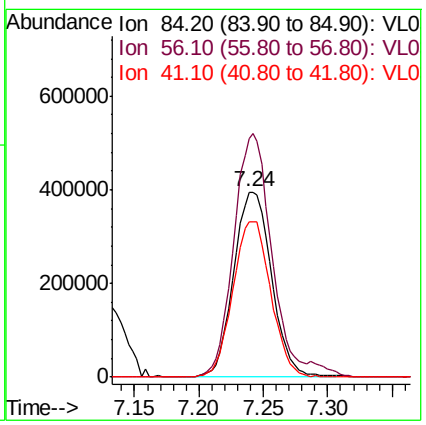


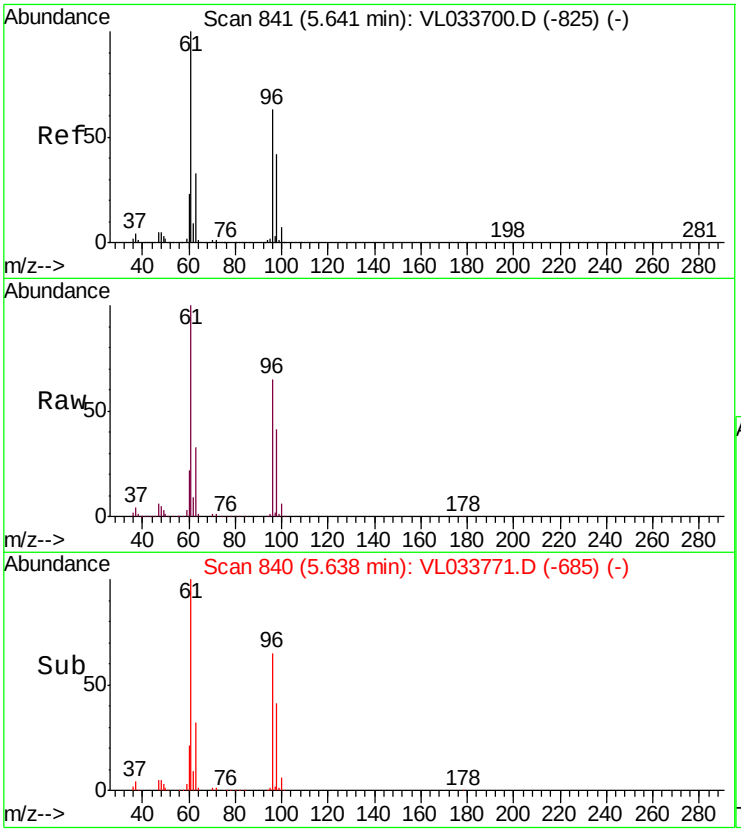


#30
Cyclohexane
Concen: 10.384 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 84 Resp: 805562

Ion	Ratio	Lower	Upper
84	100		
56	134.3	107.7	161.5
41	84.1	66.0	99.0



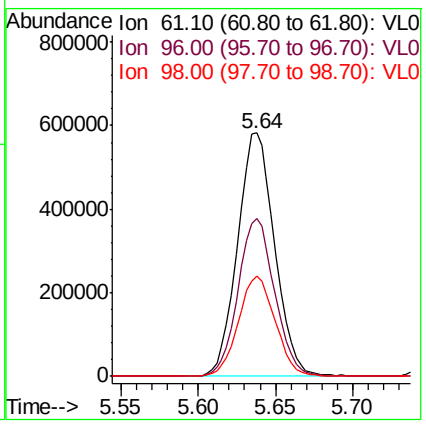


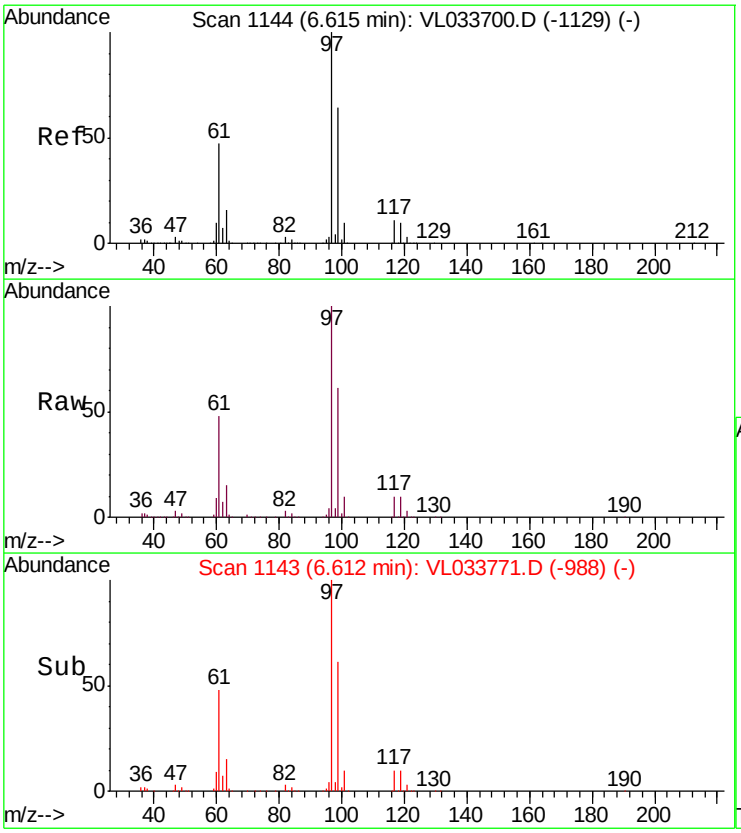
#31
cis-1,2-Dichloroethene
Concen: 10.622 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 61 Resp: 971777

Ion	Ratio	Lower	Upper
61	100		
96	64.9	50.8	76.2
98	41.2	33.3	49.9

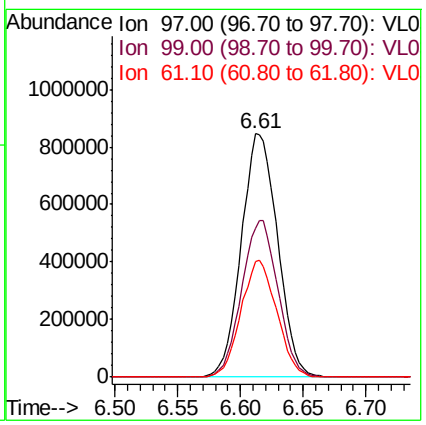


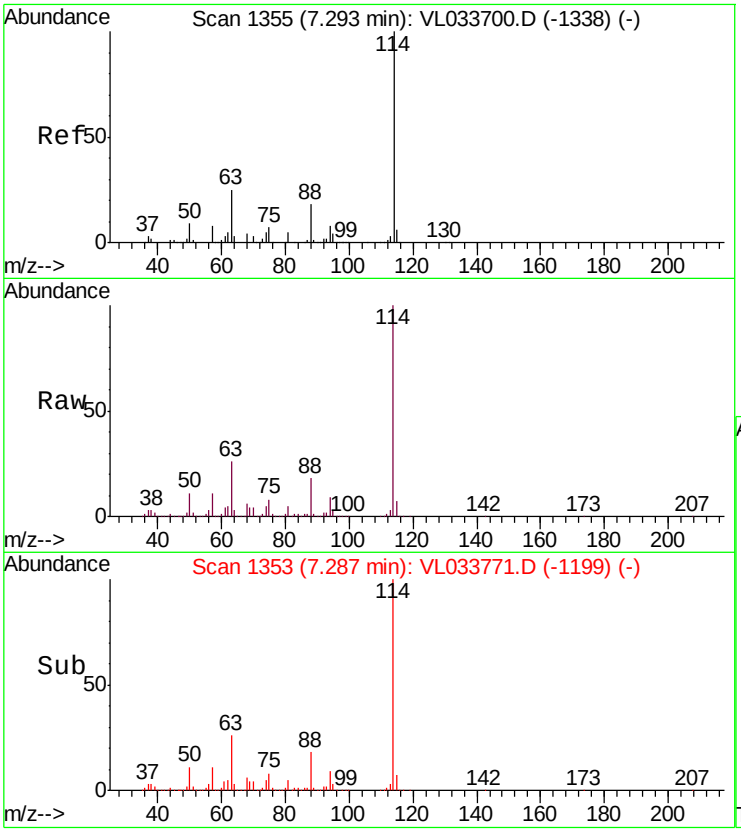


#32
1,1,1-Trichloroethane
Concen: 10.035 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 97 Resp: 1703097

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	47.6	37.8	56.8



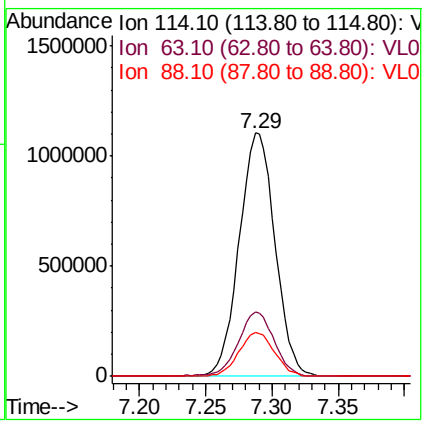


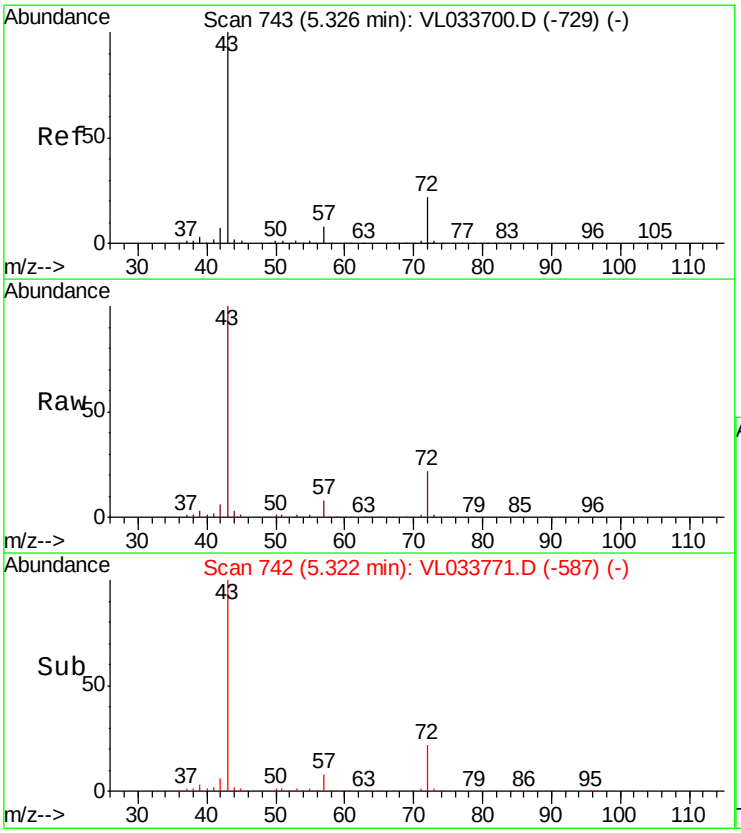
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:114 Resp: 2067996

Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.9	31.3
88	18.0	14.3	21.5

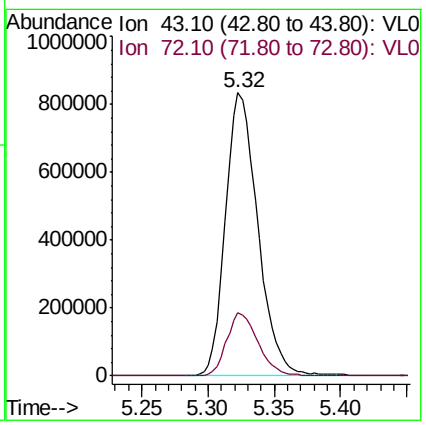


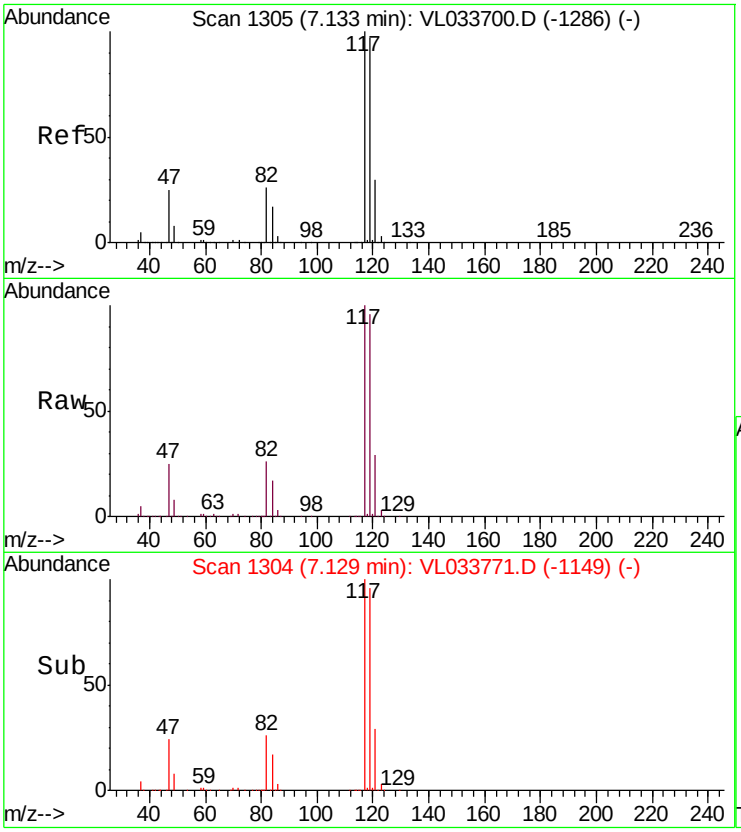


#34
2-Butanone
Concen: 11.022 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 43 Resp: 1412806

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6



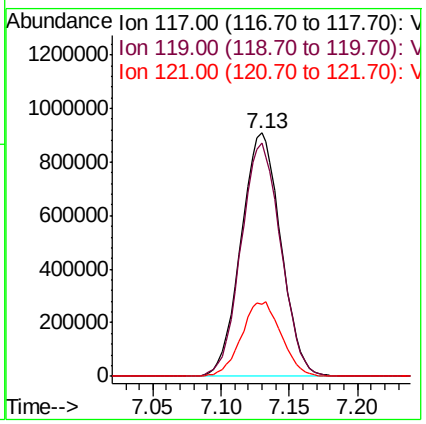


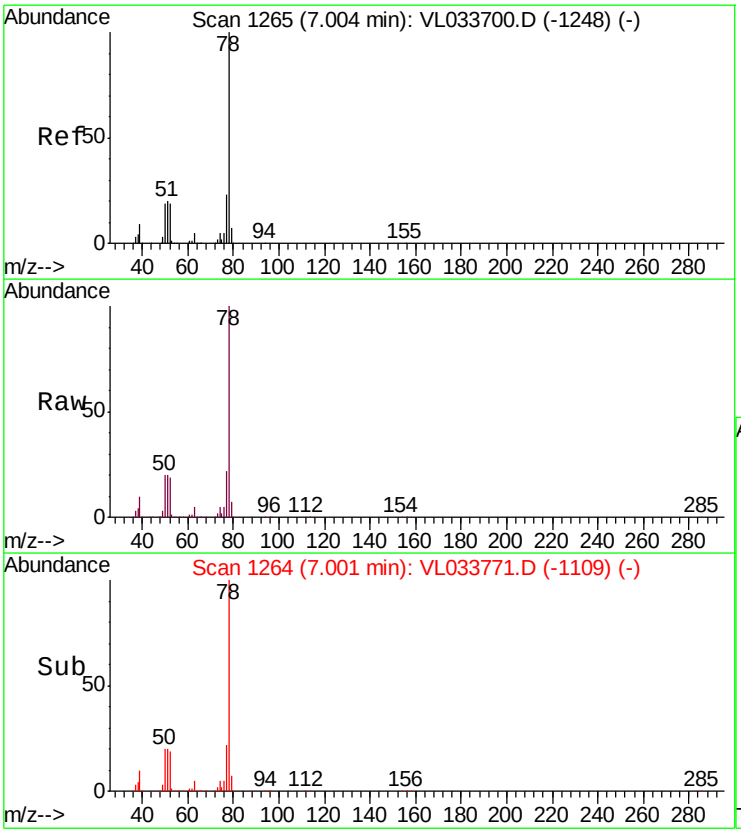
#35
Carbon Tetrachloride
Concen: 11.117 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:117 Resp: 1841536

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	29.4	24.1	36.1

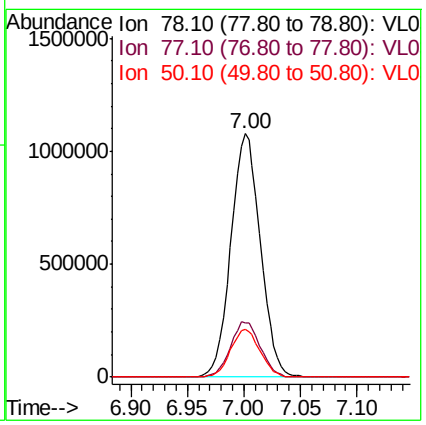


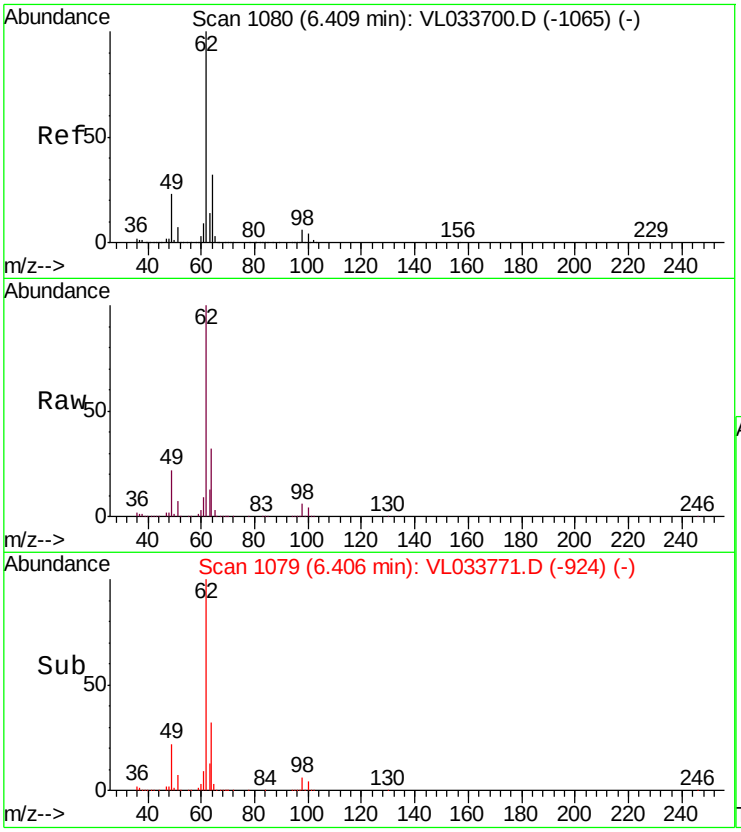


#36
Benzene
Concen: 10.401 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 78 Resp: 1956538

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.4	27.6
50	19.9	15.5	23.3



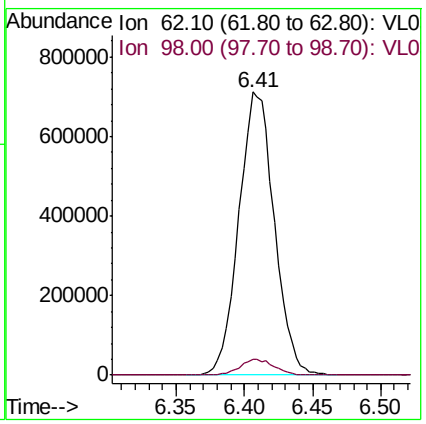


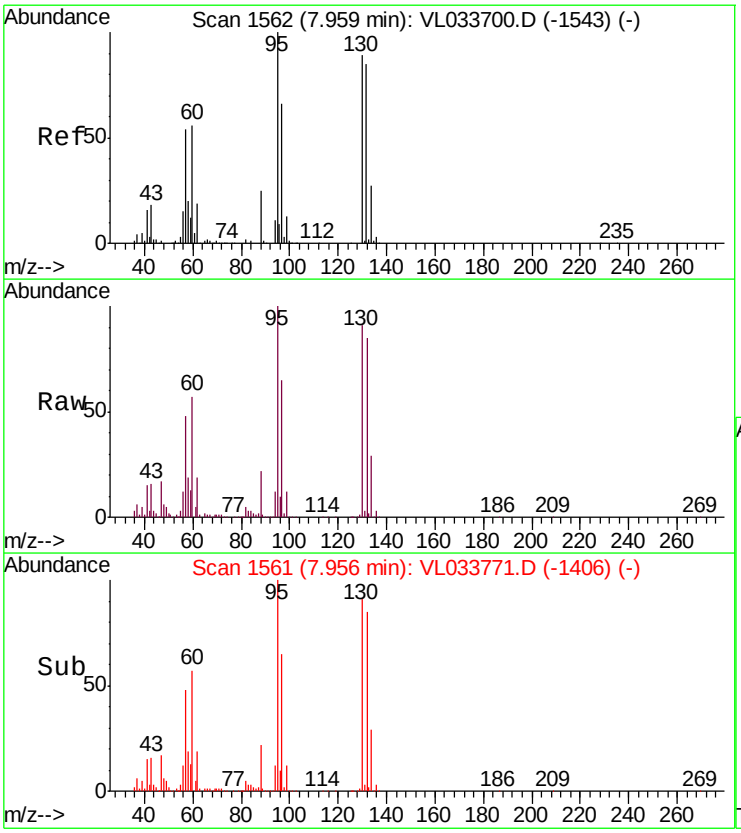
#37
1,2-Dichloroethane
Concen: 10.582 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 62 Resp: 1284086

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

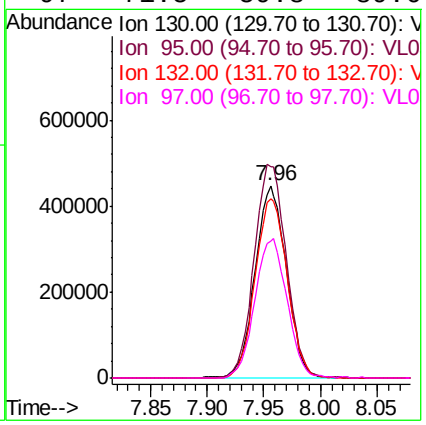


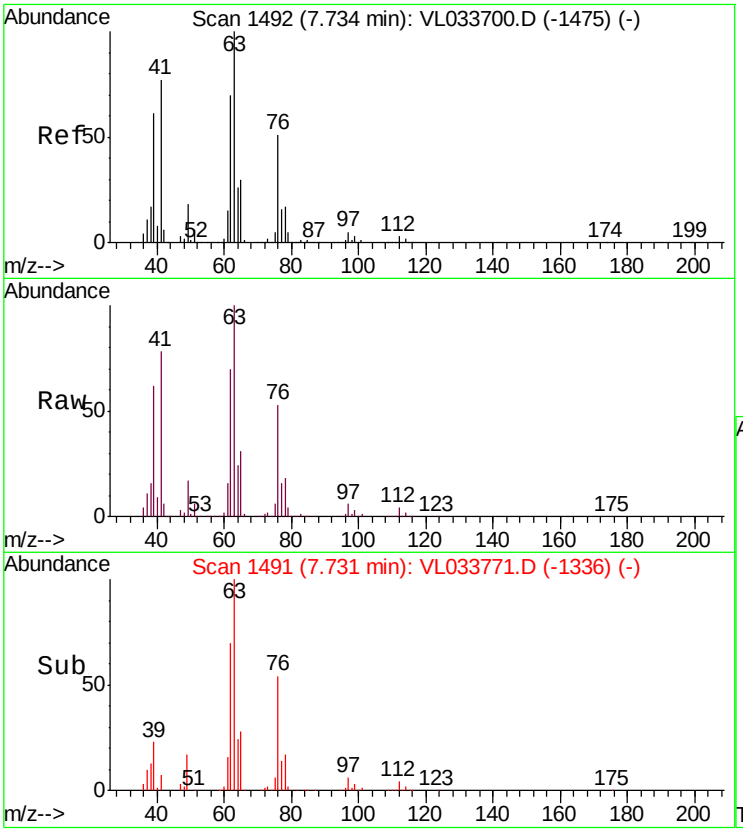


#38
Trichloroethene
Concen: 12.318 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:130 Resp: 859824

Ion	Ratio	Lower	Upper
130	100		
95	109.9	90.2	135.4
132	93.3	76.4	114.6
97	71.5	59.8	89.6



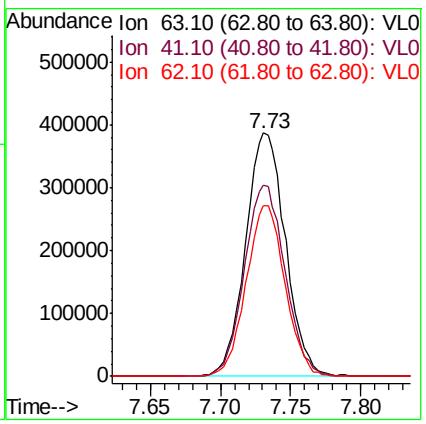


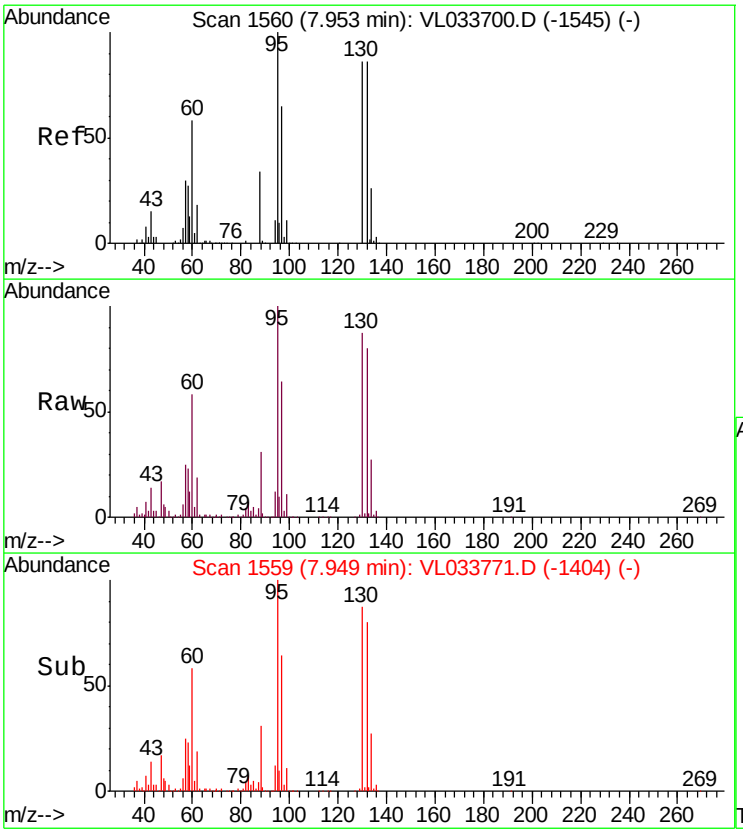
#39
1,2-Dichloropropane
Concen: 10.885 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 63 Resp: 763429

Ion	Ratio	Lower	Upper
63	100		
41	78.3	61.5	92.3
62	69.9	56.2	84.4

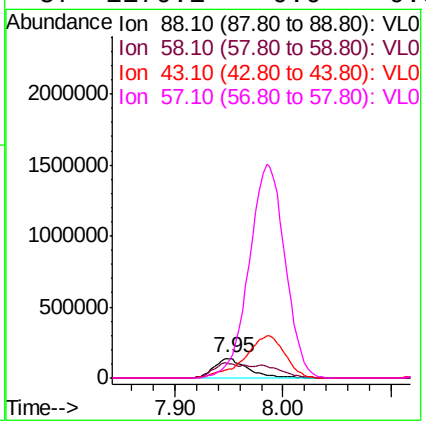


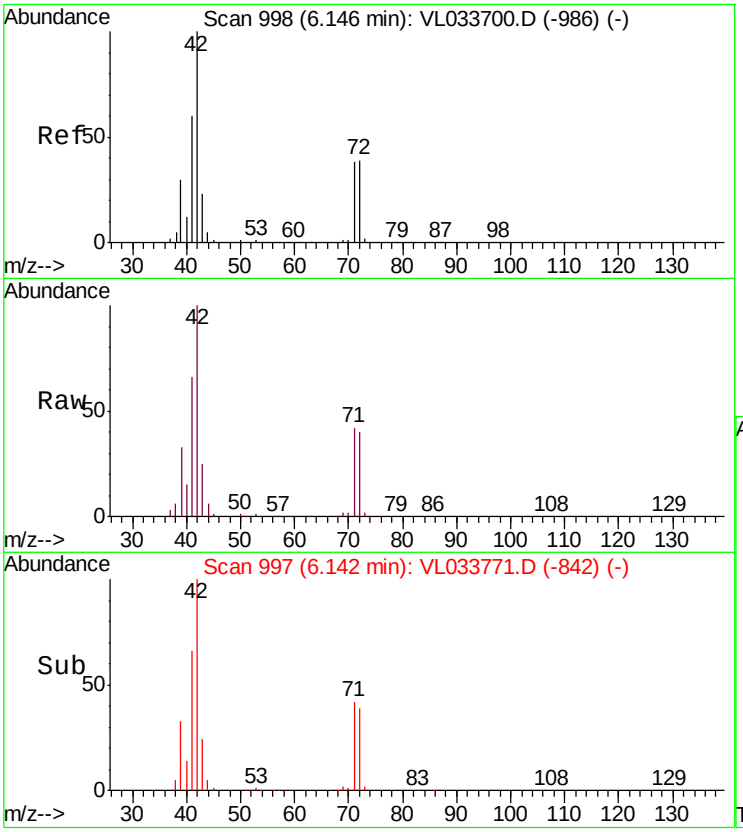


#40
1,4-Dioxane
Concen: 10.145 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 88 Resp: 297630

Ion	Ratio	Lower	Upper
88	100		
58	128.5	101.8	152.6
43	258.4	0.0	0.0#
57	1170.1	0.0	0.0#



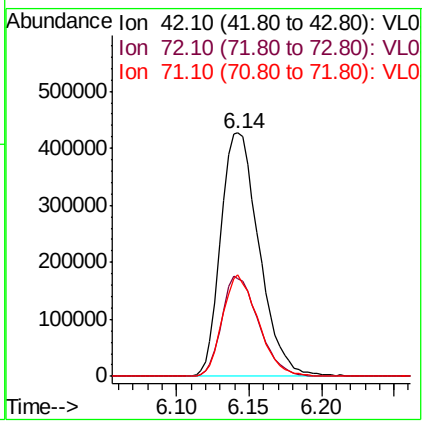


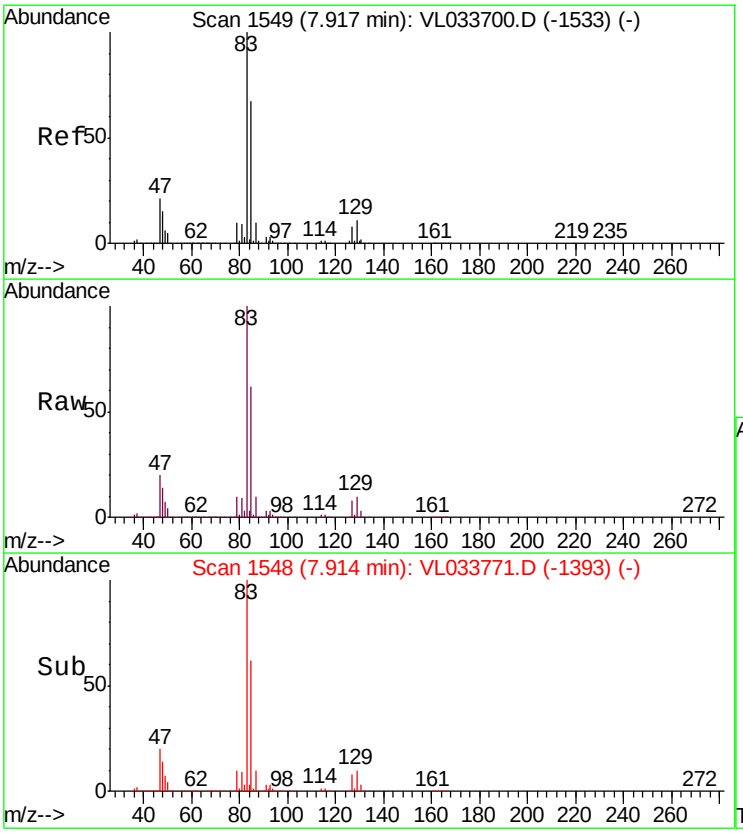
#41
Tetrahydrofuran
Concen: 10.873 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 42 Resp: 780911

Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	39.1	30.4	45.6

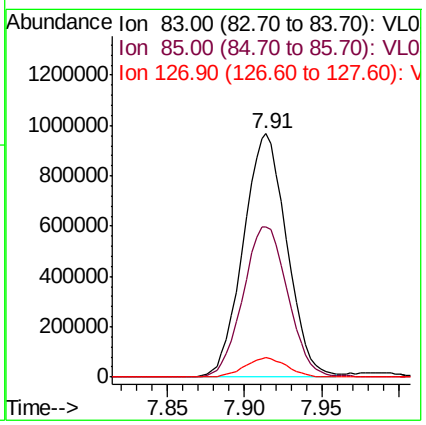


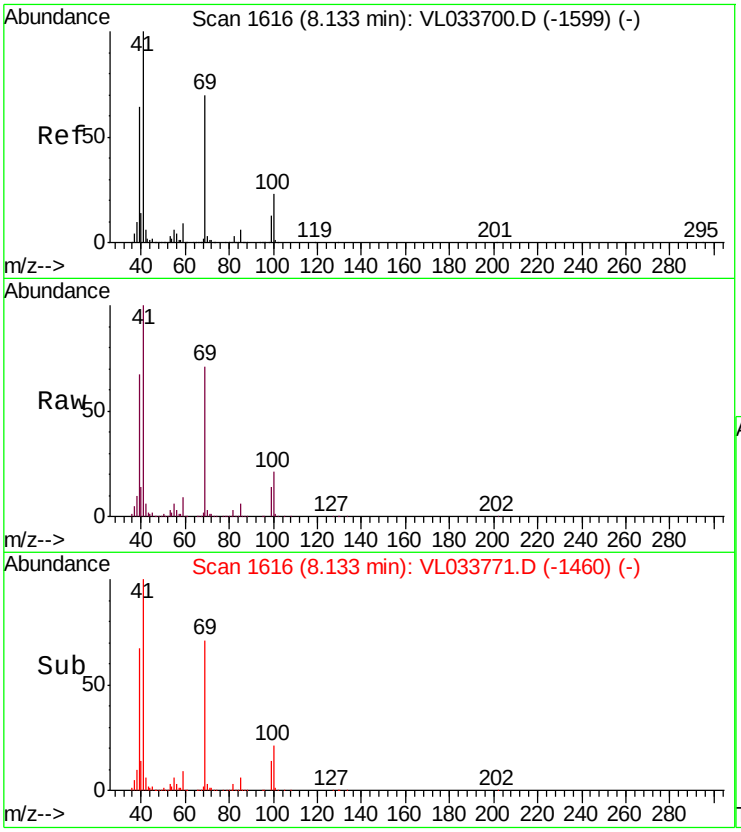


#42
Bromodichloromethane
Concen: 11.393 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 83 Resp: 1892622

Ion	Ratio	Lower	Upper
83	100		
85	61.6	53.3	79.9
127	8.1	6.5	9.7



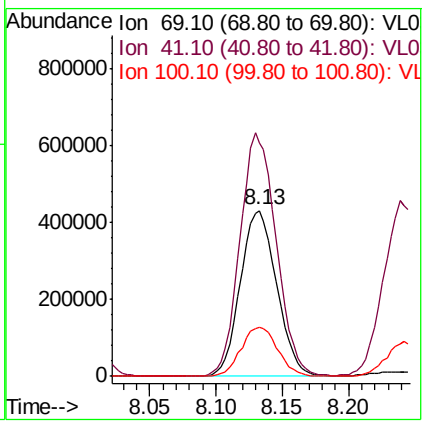


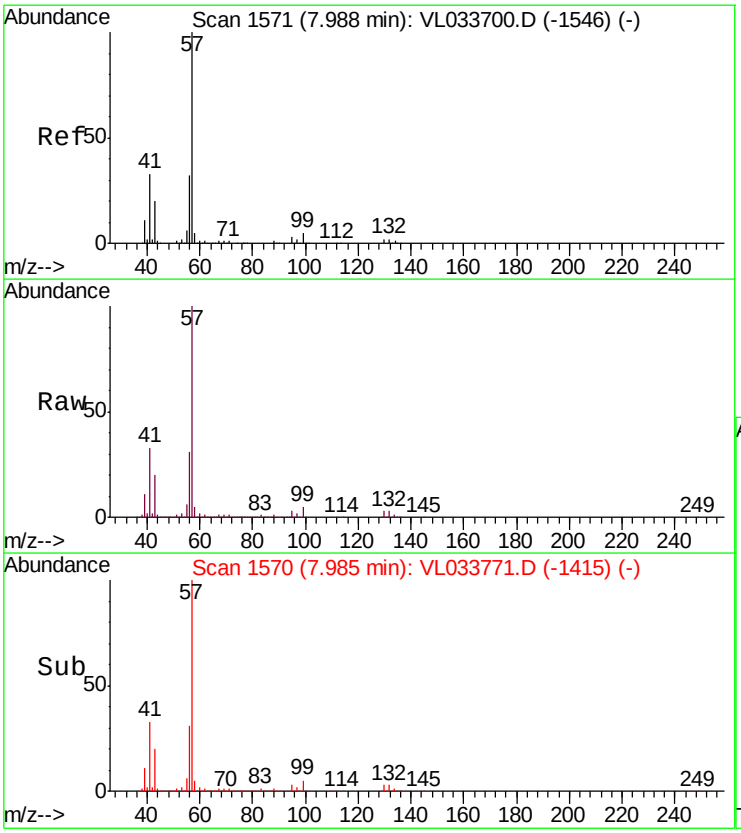
#43
Methyl Methacrylate
Concen: 11.897 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 69 Resp: 823612

Ion	Ratio	Lower	Upper
69	100		
41	145.7	116.3	174.5
100	29.9	25.3	37.9

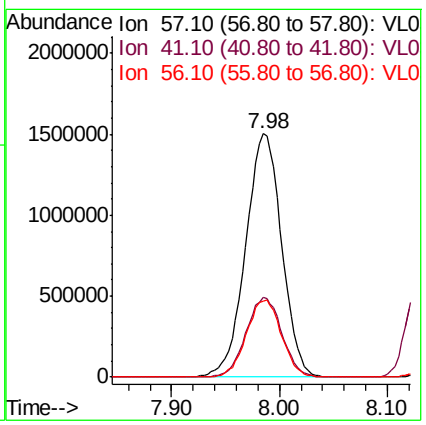


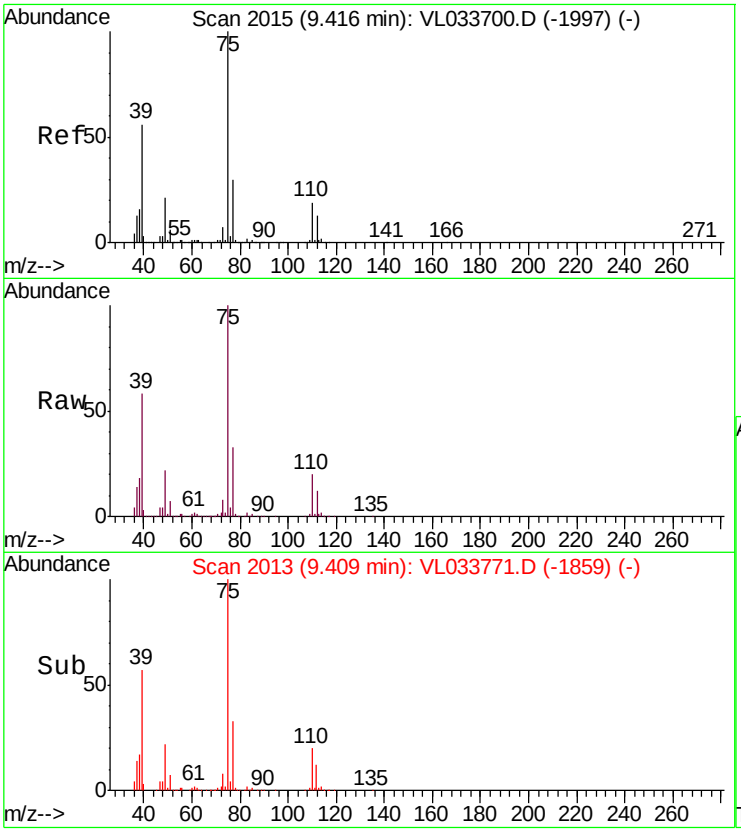


#44
2,2,4-Trimethylpentane
Concen: 10.940 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 57 Resp: 3478239

Ion	Ratio	Lower	Upper
57	100		
41	32.7	25.4	38.0
56	31.0	24.7	37.1



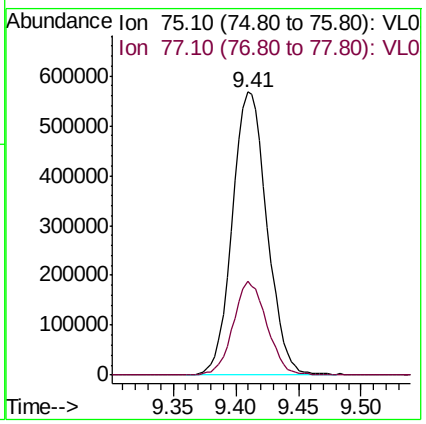


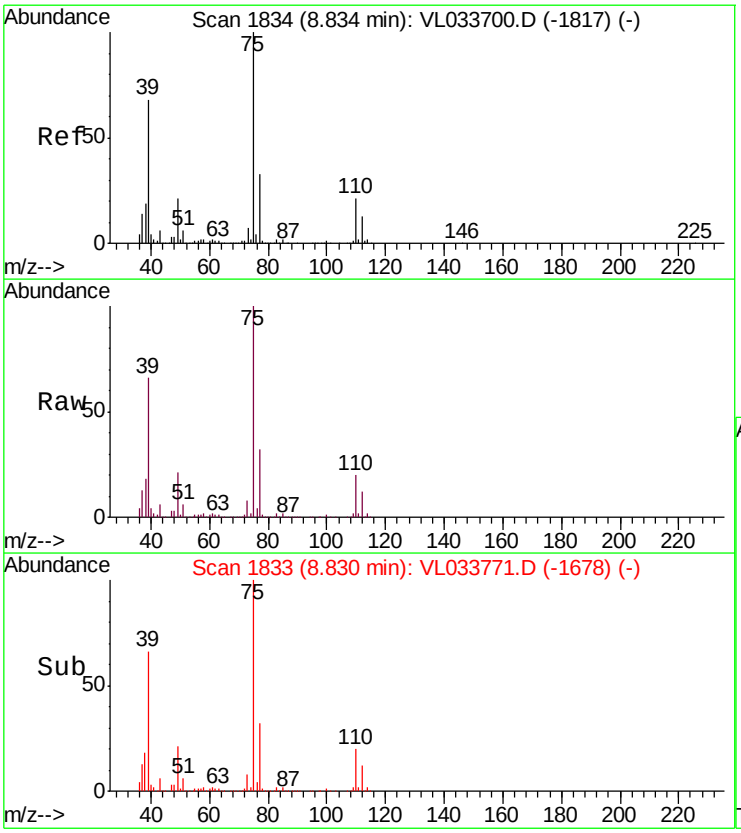
#45
t-1,3-Dichloropropene
Concen: 12.391 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 75 Resp: 1087544

Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.4	36.6

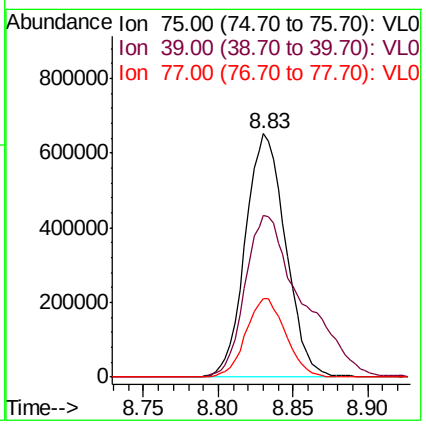


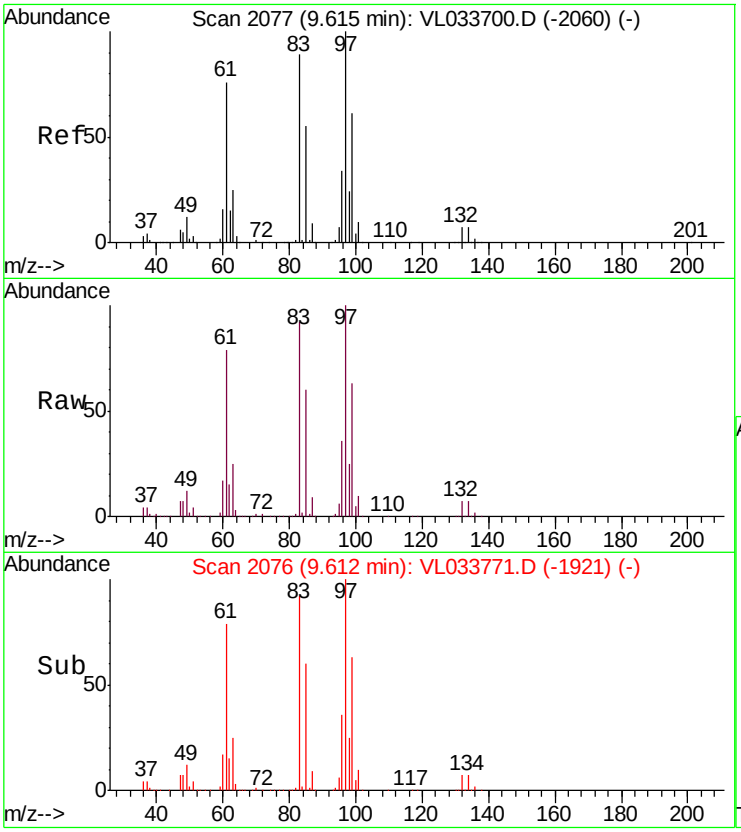


#46
cis-1,3-Dichloropropene
Concen: 11.878 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 75 Resp: 1220721

Ion	Ratio	Lower	Upper
75	100		
39	66.4	54.4	81.6
77	32.2	26.6	39.8



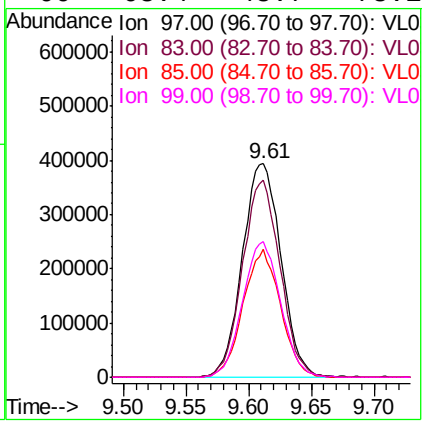


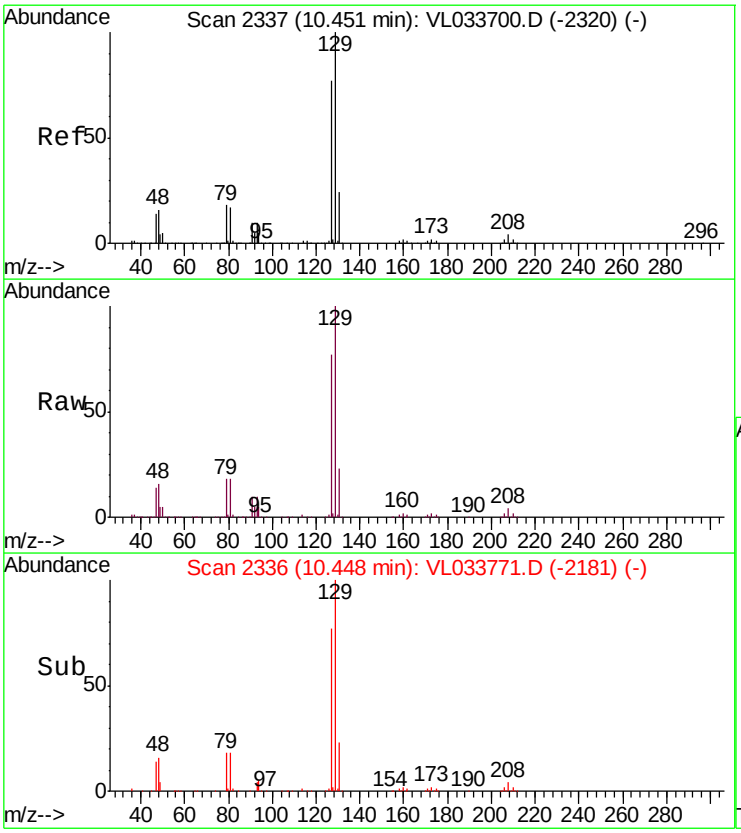
#47
1,1,2-Trichloroethane
Concen: 10.611 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 97 Resp: 845439

Ion	Ratio	Lower	Upper
97	100		
83	92.2	70.8	106.2
85	59.8	43.7	65.5
99	63.4	48.7	73.1

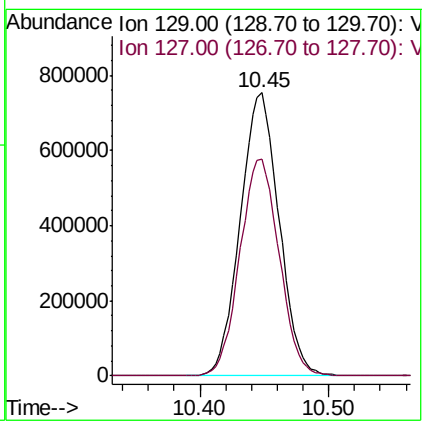


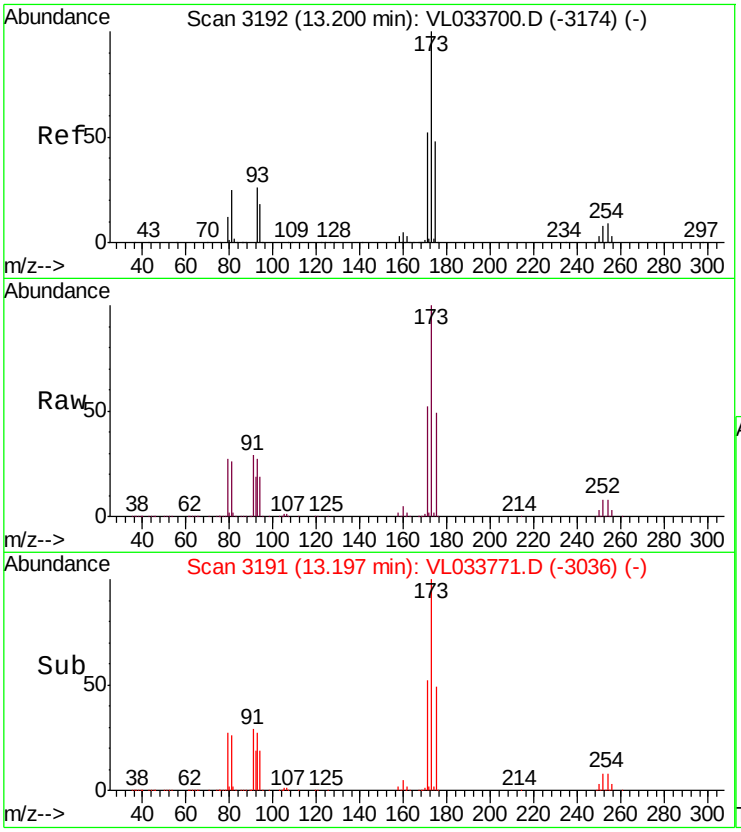


#48
Dibromochloromethane
Concen: 11.448 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:129 Resp: 1580418

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	116.0



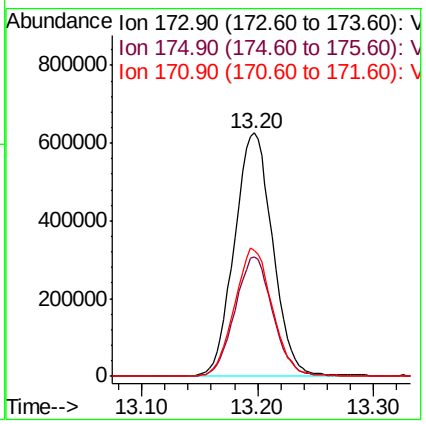


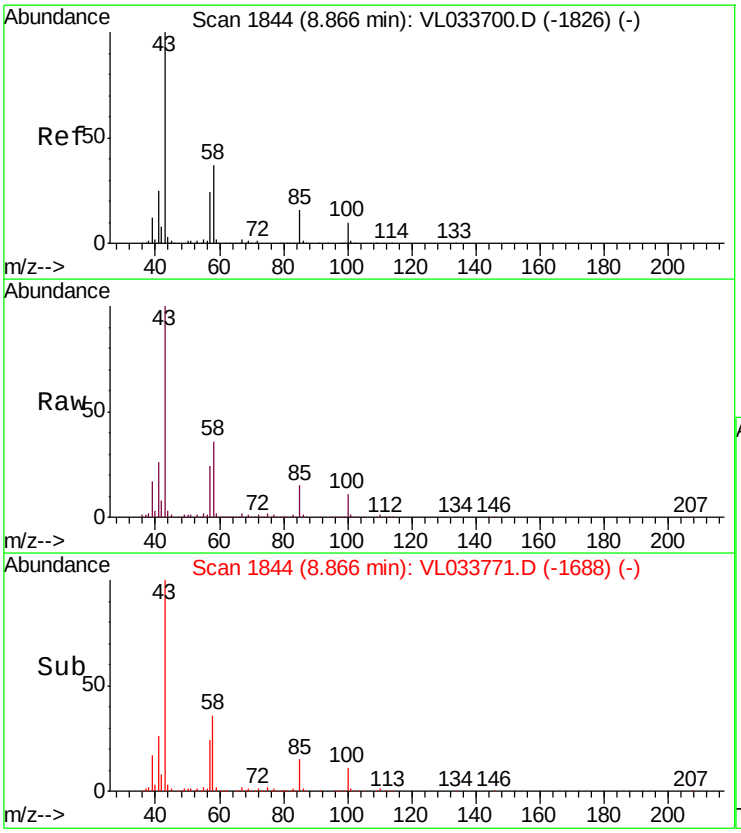
#49
Bromoform
Concen: 12.360 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:173 Resp: 1435787

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	52.4	41.5	62.3

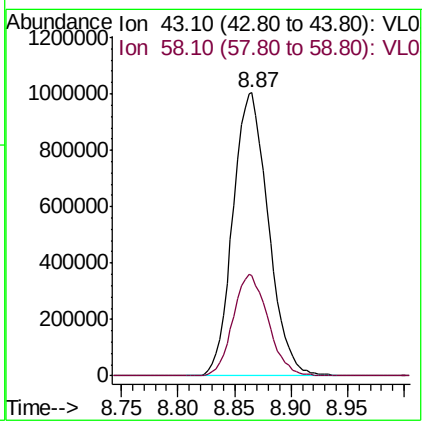


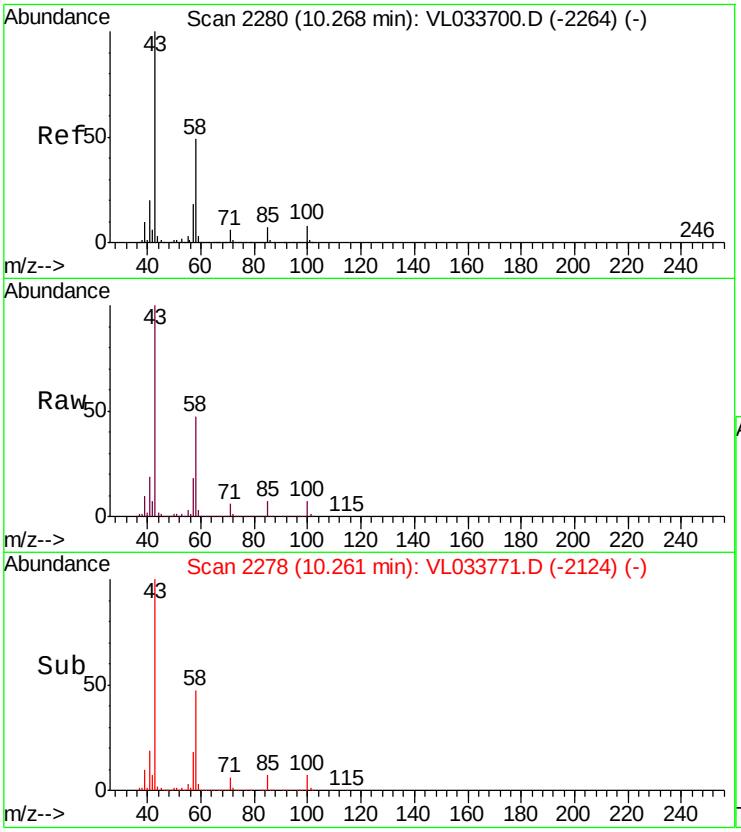


#50
4-Methyl-2-Pentanone
Concen: 11.131 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 43 Resp: 2194709

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0



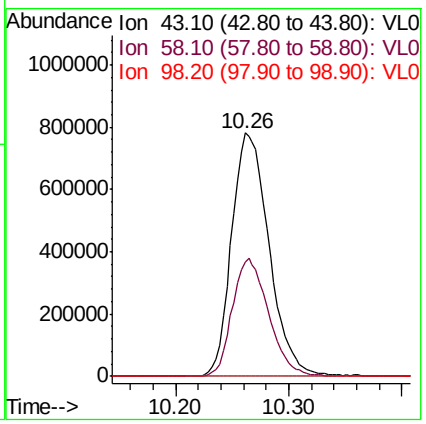


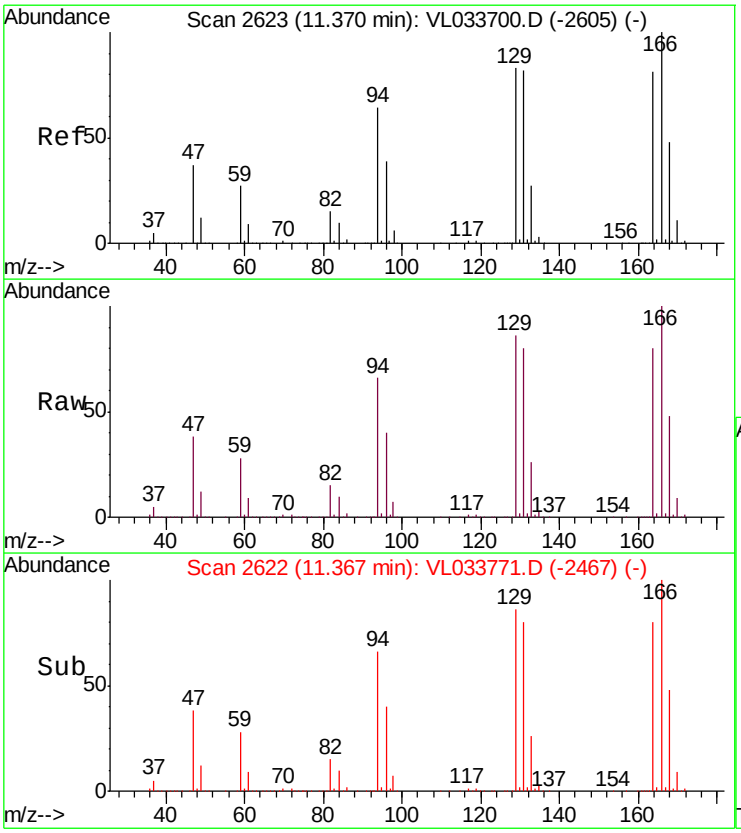
#51
2-Hexanone
Concen: 11.654 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 43 Resp: 1793310

Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.7	58.1
98	0.5	0.2	0.4#

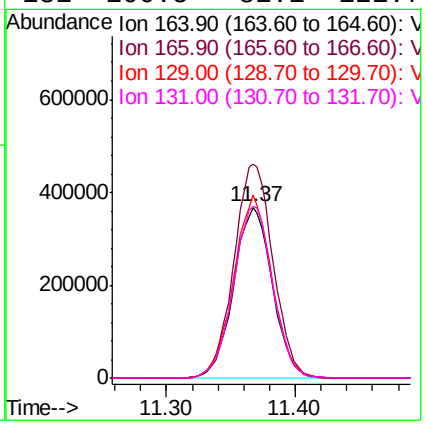


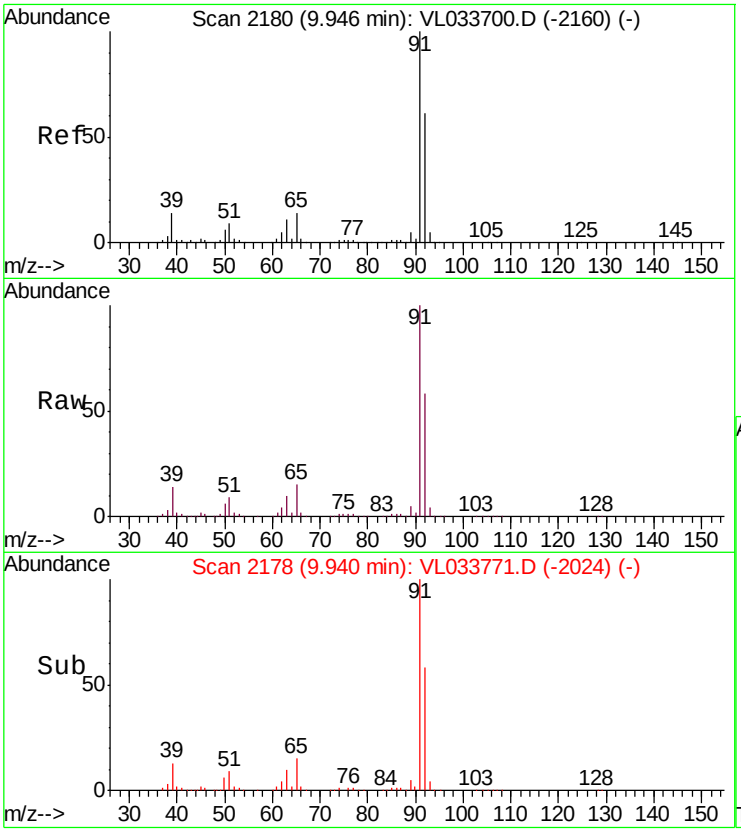


#52
Tetrachloroethene
Concen: 11.557 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:164 Resp: 764254

Ion	Ratio	Lower	Upper
164	100		
166	125.3	98.9	148.3
129	107.4	81.8	122.6
131	100.5	81.1	121.7



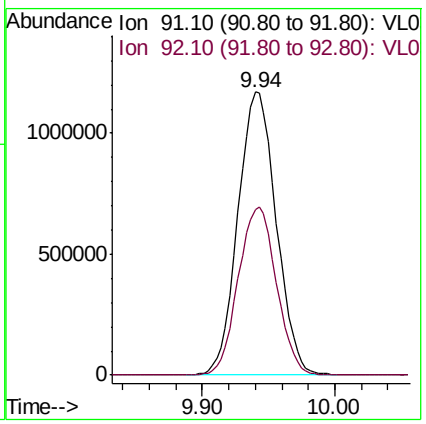


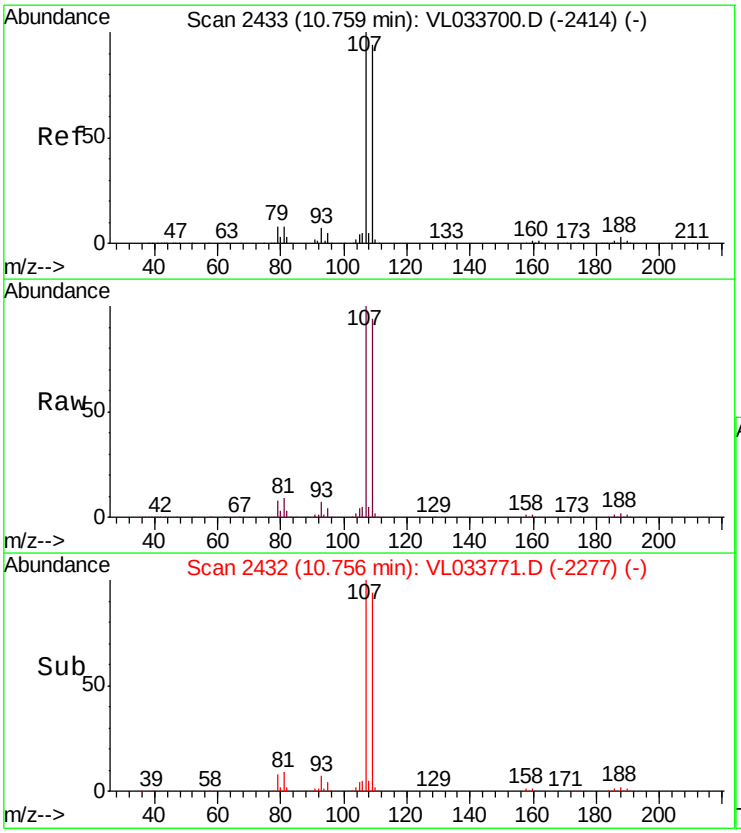
#53
Toluene
Concen: 11.587 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 91 Resp: 2351082

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.6	71.4

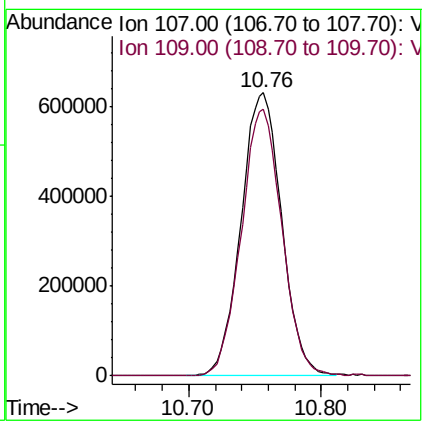


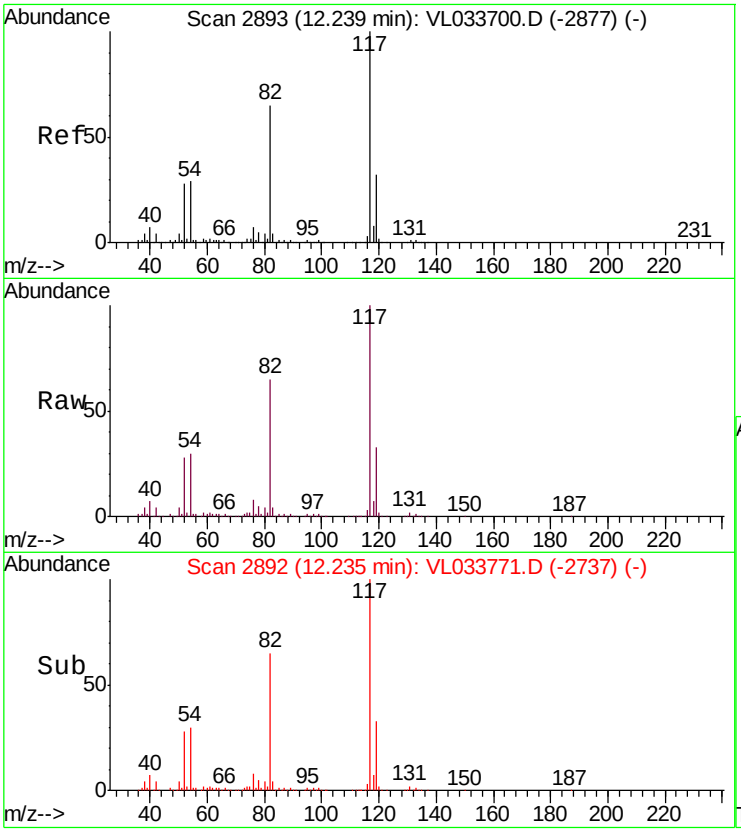


#54
1,2-Dibromoethane
Concen: 11.041 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:107 Resp: 1342502

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.2	112.8



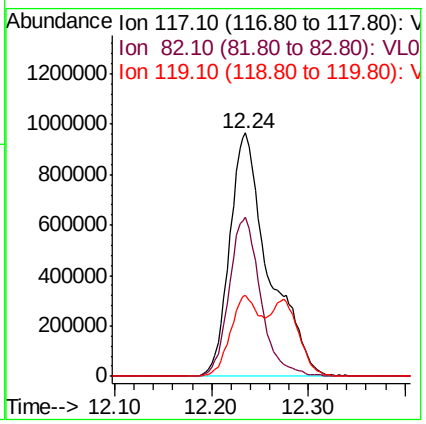


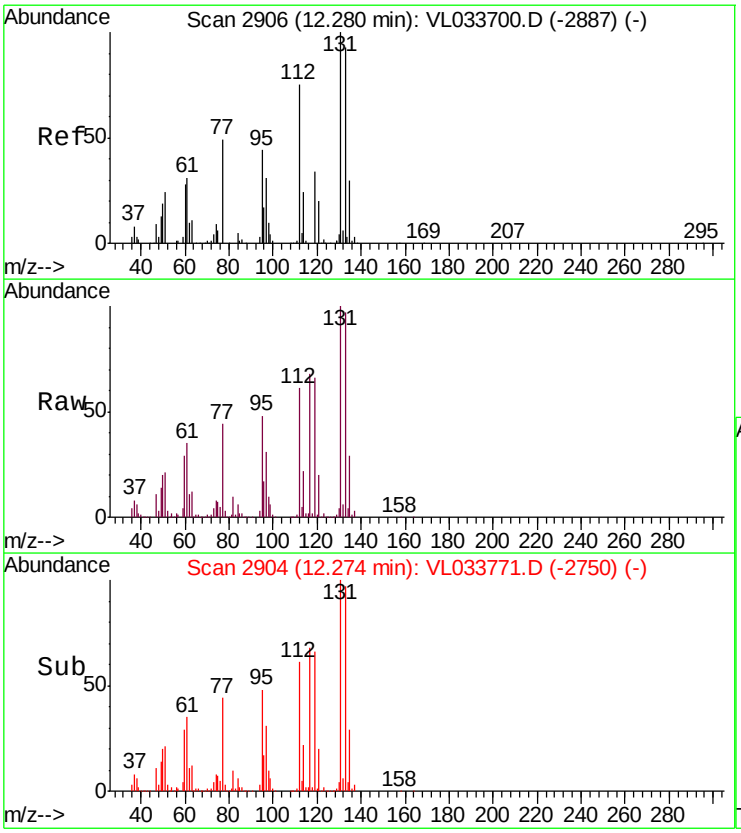
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:117 Resp: 2724145

Ion	Ratio	Lower	Upper
117	100		
82	52.7	49.4	74.0
119	26.7	24.9	37.3

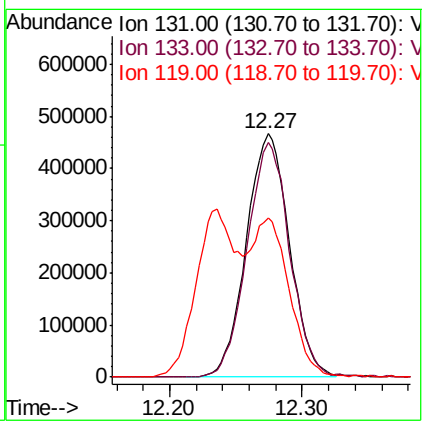


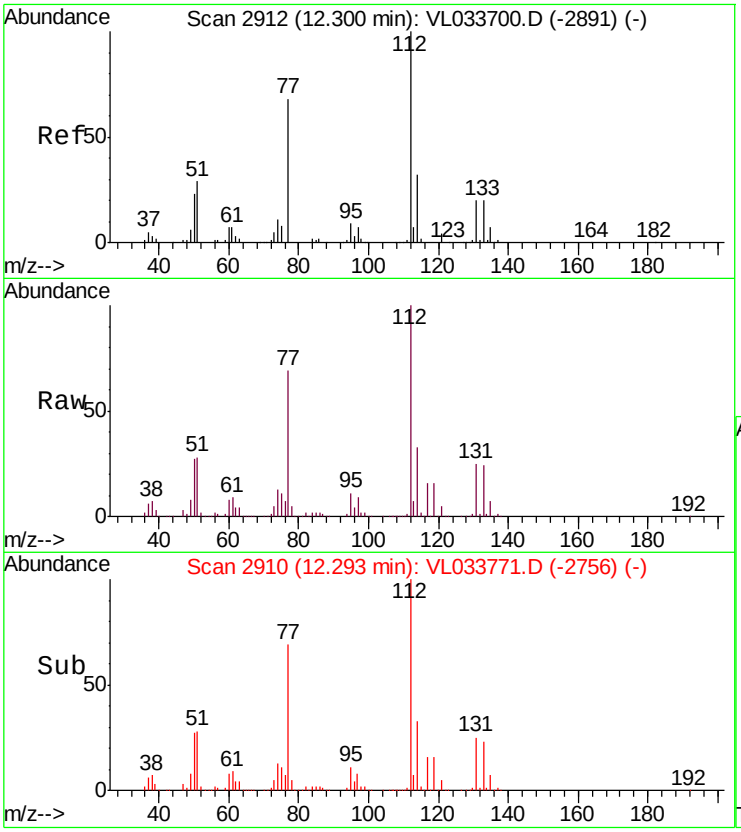


#56
1,1,1,2-Tetrachloroethane
Concen: 8.395 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:131 Resp: 1058181

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.6	114.8
119	63.8	49.0	73.4



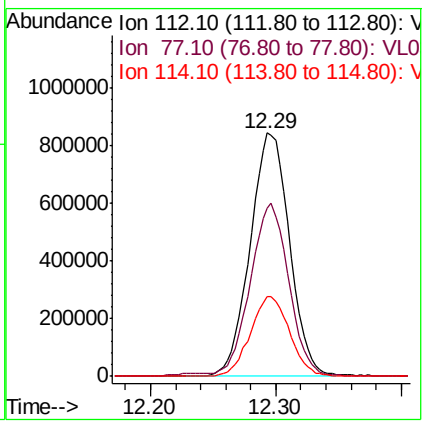


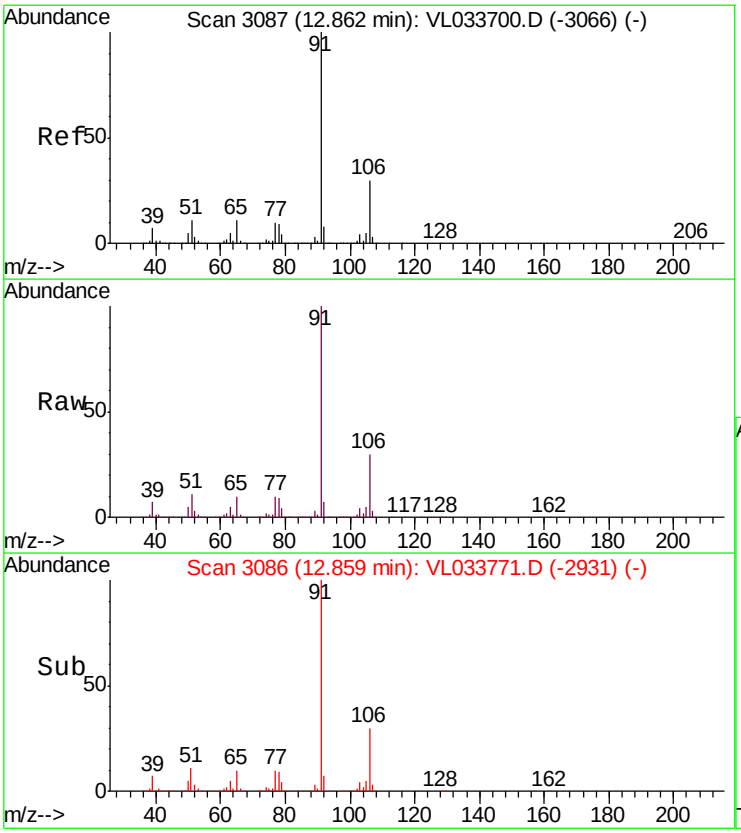
#57
Chlorobenzene
Concen: 8.247 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:112 Resp: 1849307

Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.4	83.0
114	32.9	29.3	35.8

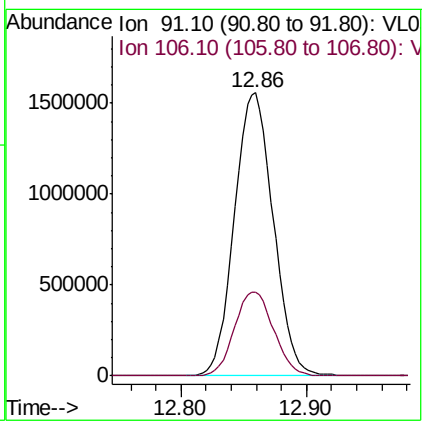


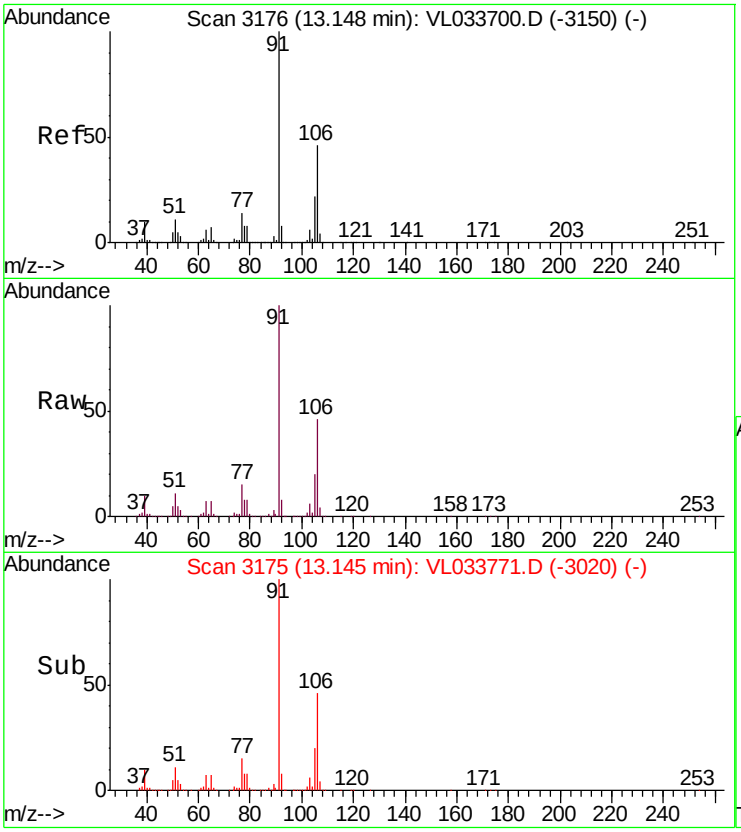


#58
Ethyl Benzene
Concen: 9.283 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 91 Resp: 3348699

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9



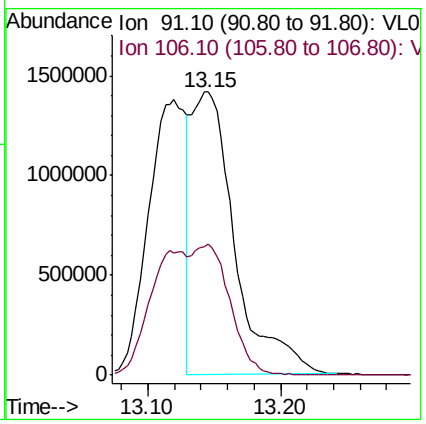


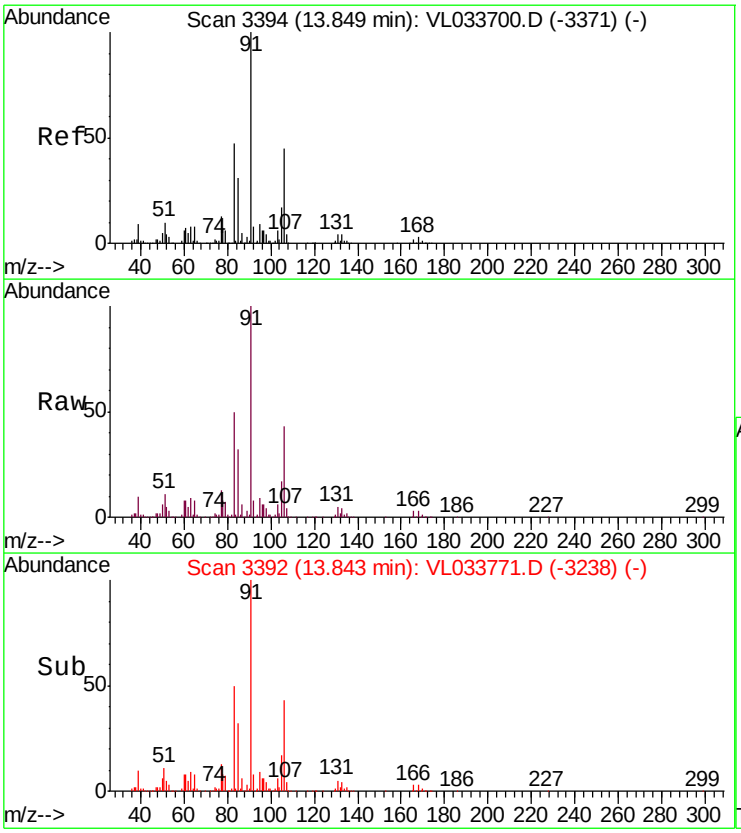
#59
m/p-Xylene
Concen: 10.206 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 91 Resp: 3218404

Ion	Ratio	Lower	Upper
91	100		
106	79.0	35.8	53.6#

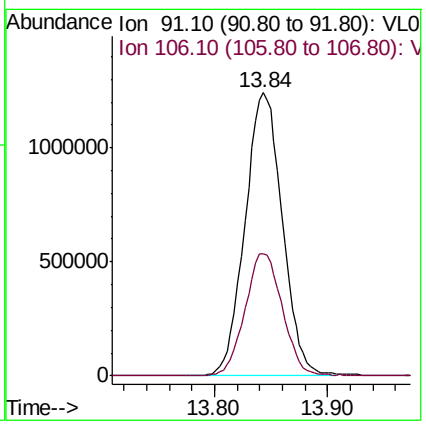


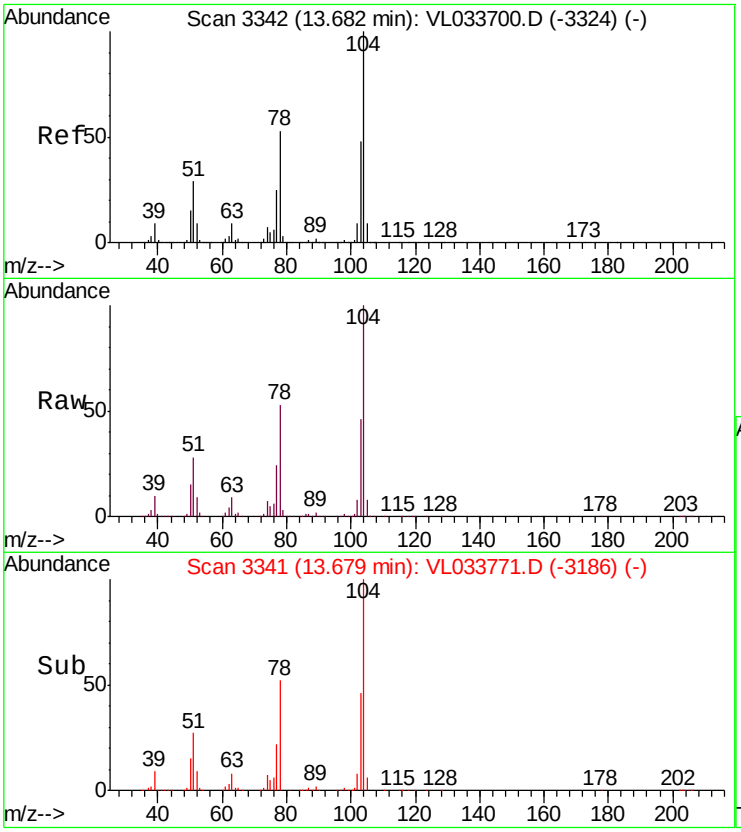


#60
o-Xylene
Concen: 8.937 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 91 Resp: 2841057

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.6	64.8



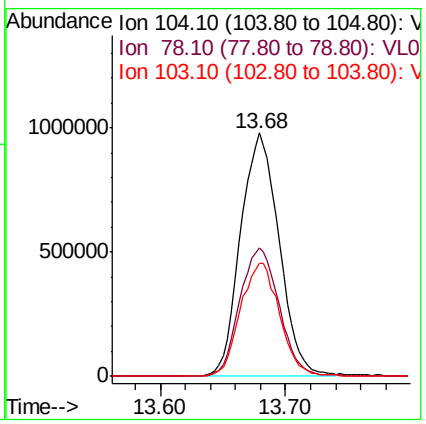


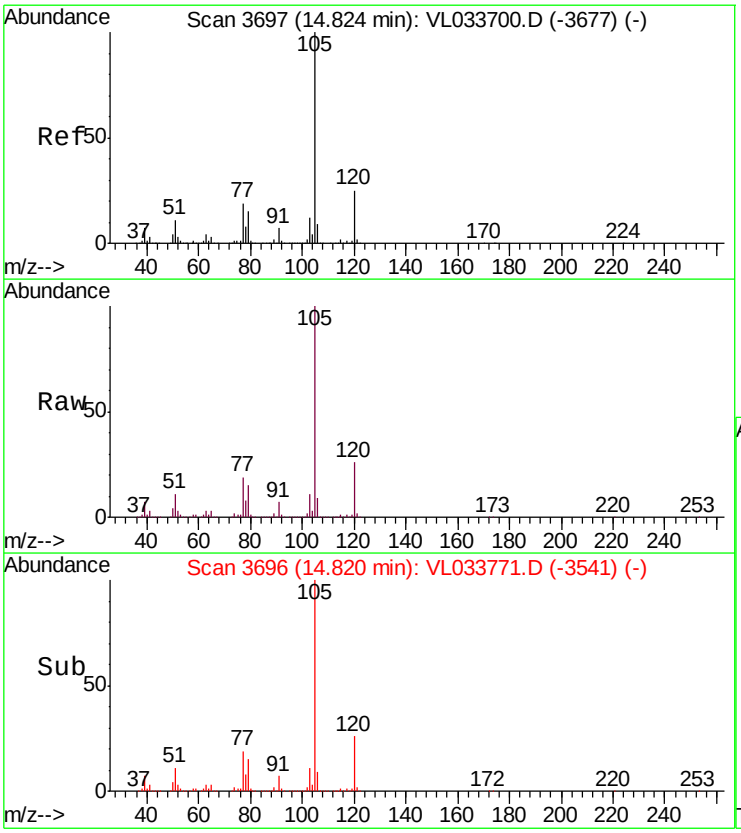
#61
Styrene
Concen: 9.784 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:104 Resp: 2094122

Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.6	64.0
103	47.5	37.8	56.6

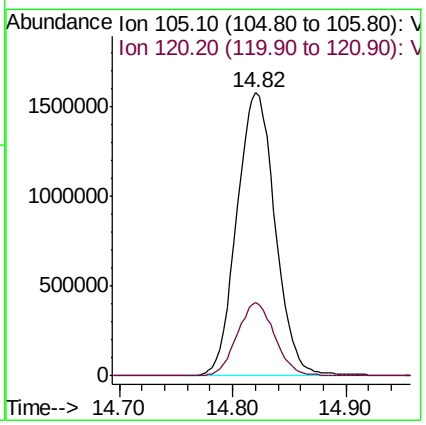


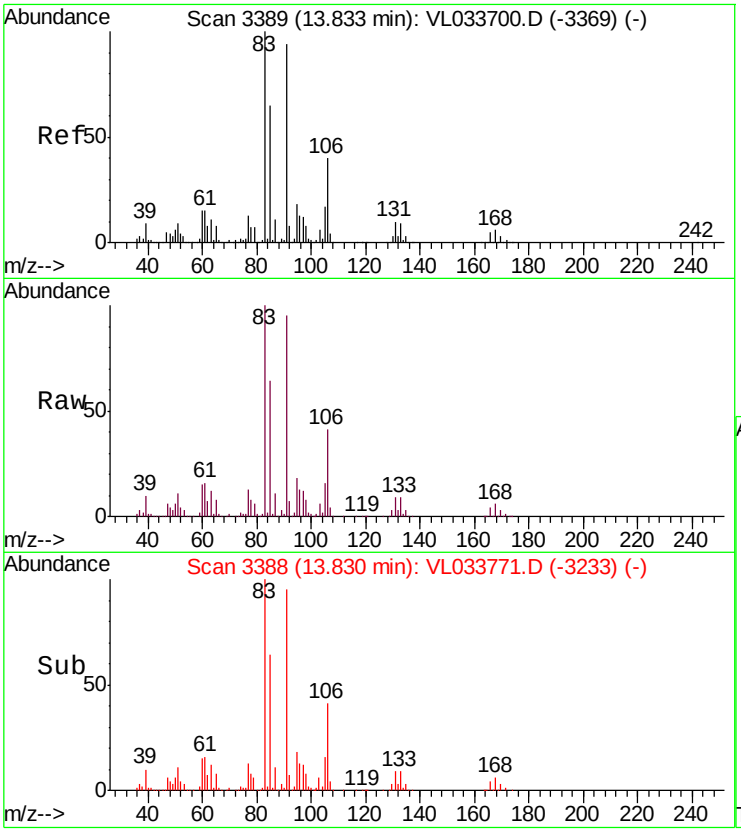


#62
Isopropylbenzene
Concen: 8.703 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:105 Resp: 3725688

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.1	30.1



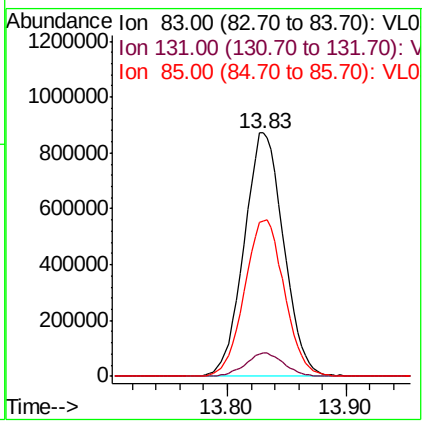


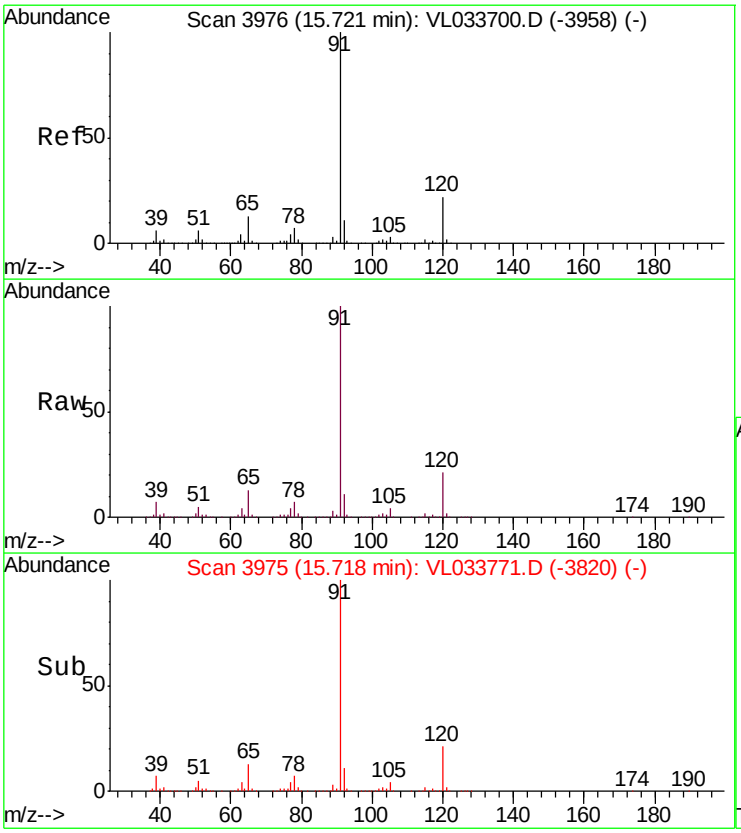
#63
1,1,2,2-Tetrachloroethane
Concen: 8.677 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion: 83 Resp: 2005911

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	65.0	32.3	96.9

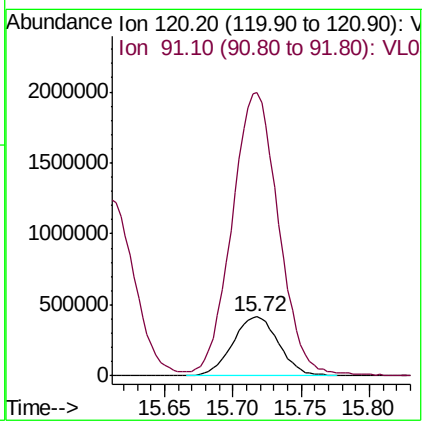


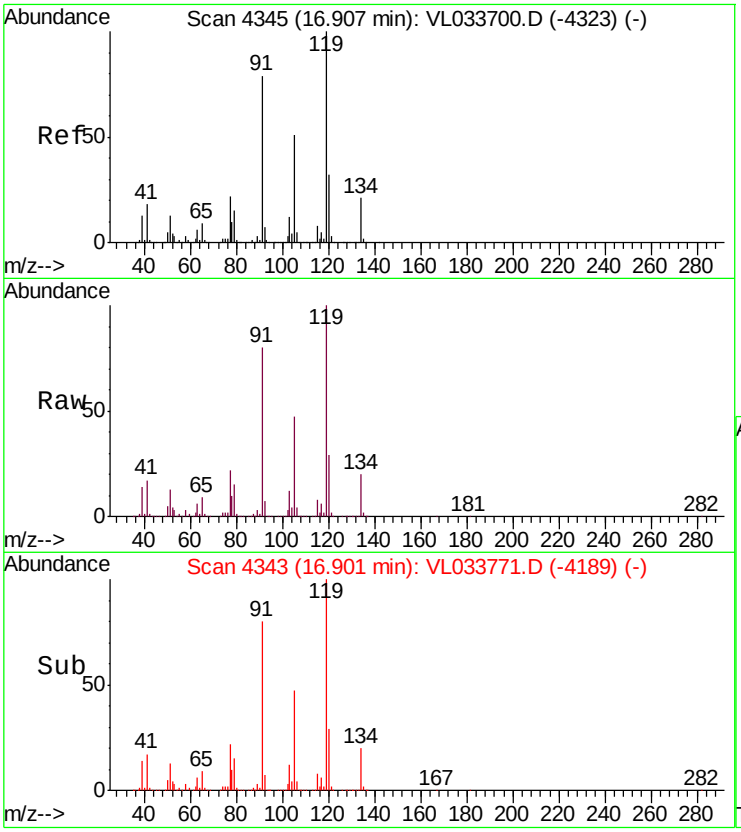


#64
n-propylbenzene
Concen: 8.835 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:120 Resp: 978326

Ion	Ratio	Lower	Upper
120	100		
91	489.4	379.1	568.7



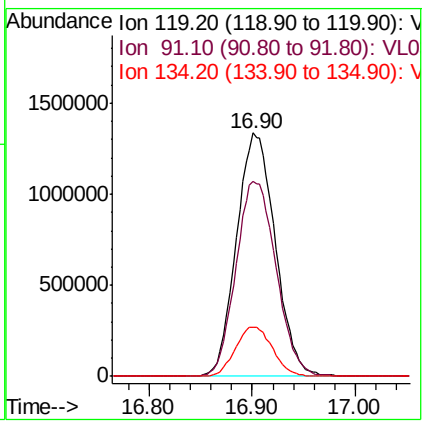


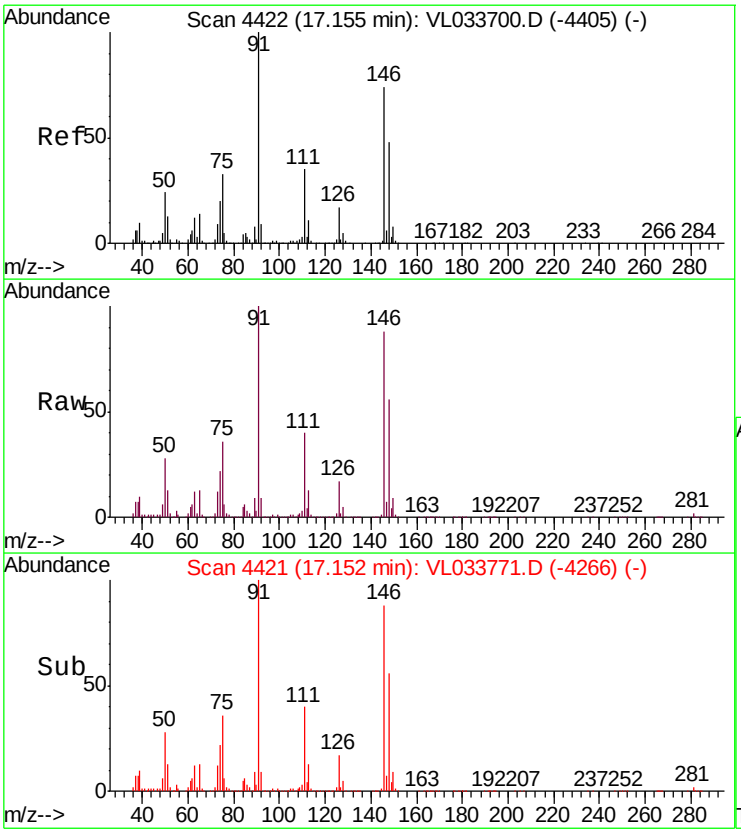
#65
tert-Butylbenzene
Concen: 8.916 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:119 Resp: 3485007

Ion	Ratio	Lower	Upper
119	100		
91	83.2	65.3	97.9
134	19.6	15.7	23.5

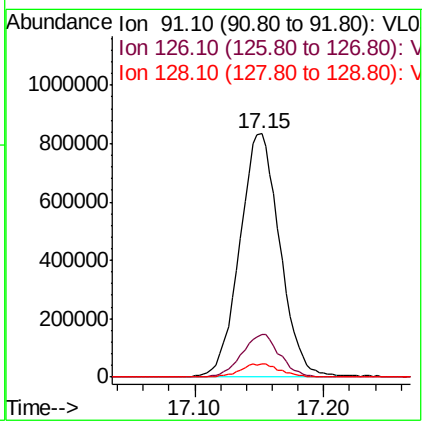


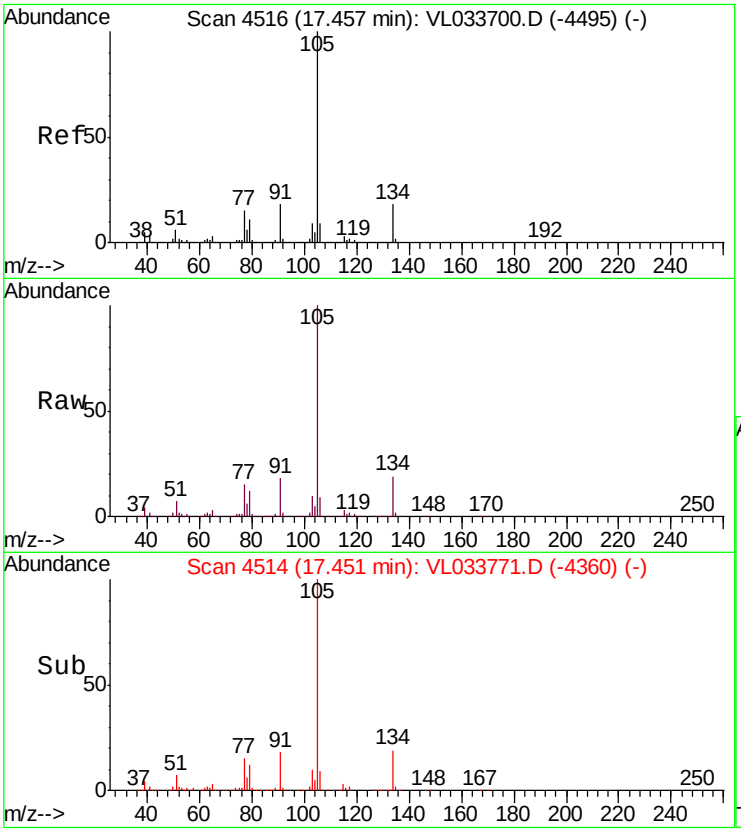


#66
Benzyl Chloride
Concen: 9.696 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 91 Resp: 1805120

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.3	4.3	6.5



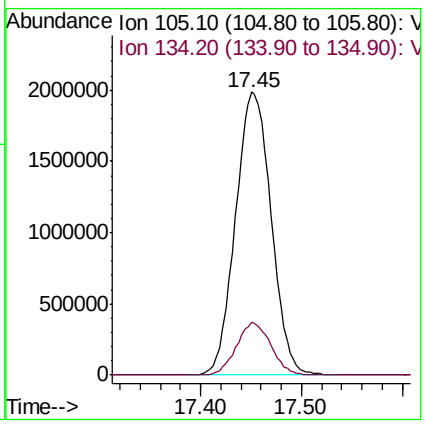


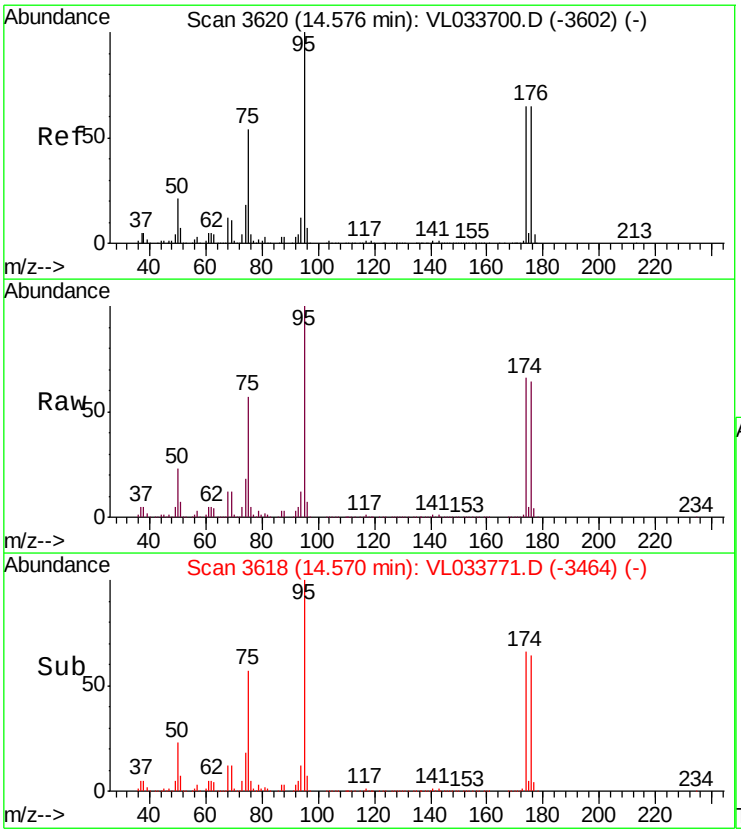
#67
sec-Butylbenzene
Concen: 8.888 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:105 Resp: 4862680

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	22.0

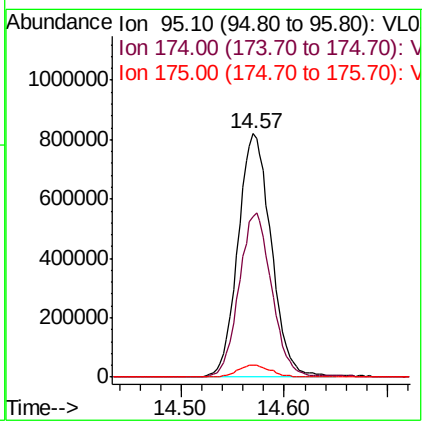


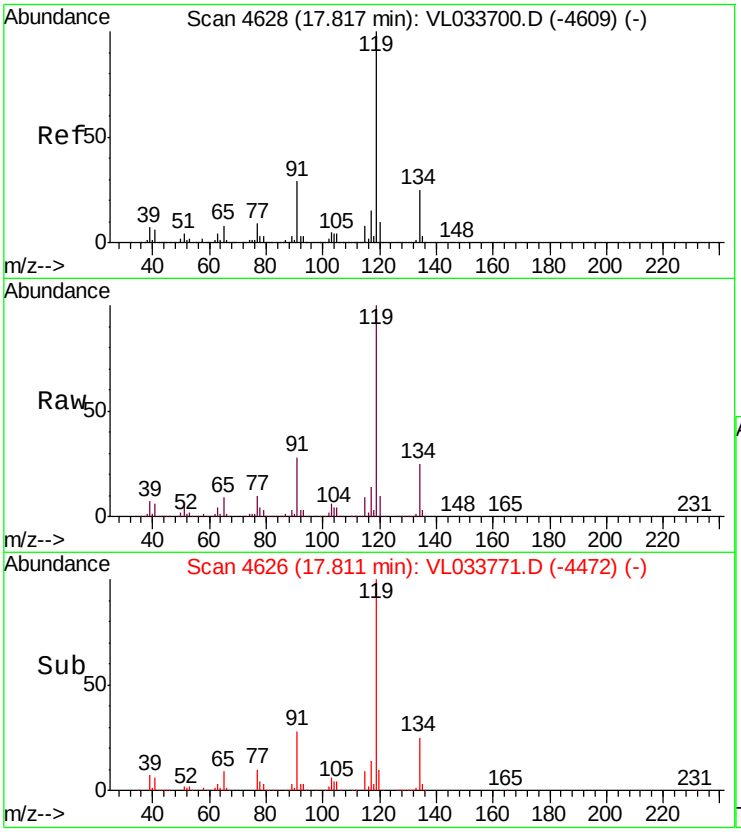


#68
1-Bromo-4-Fluorobenzene
Concen: 8.313 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 95 Resp: 1835933

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.9	3.8	5.8



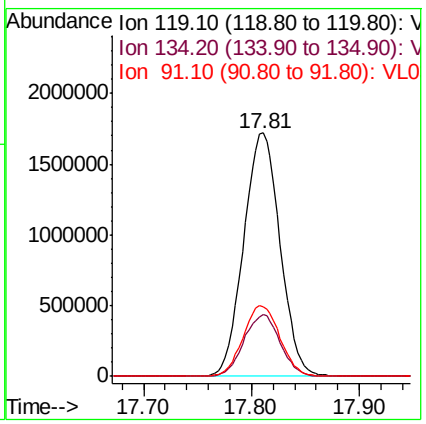


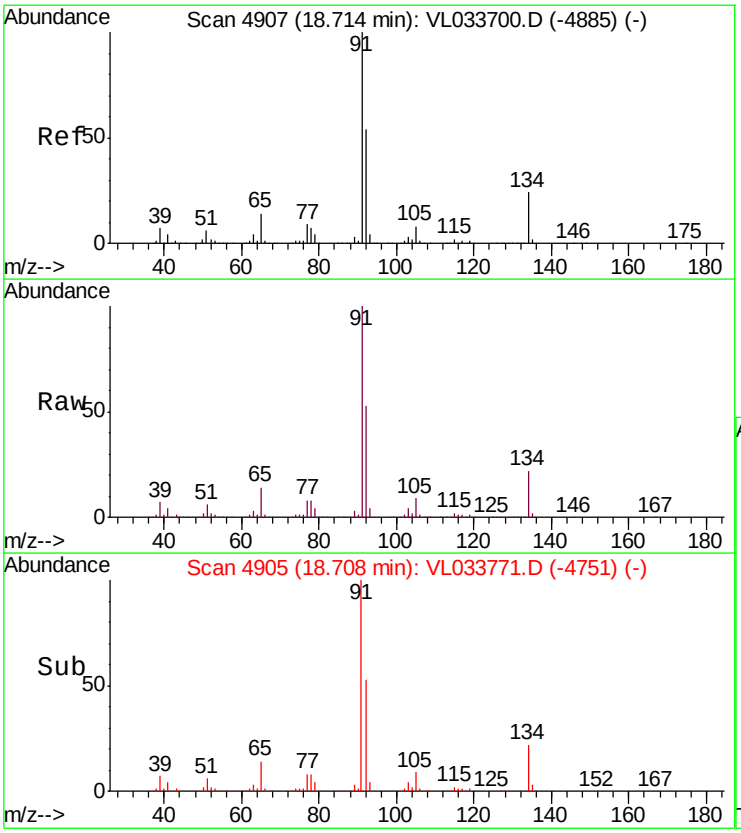
#69
p-Isopropyltoluene
Concen: 8.895 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:119 Resp: 4022135

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.5	23.1	34.7

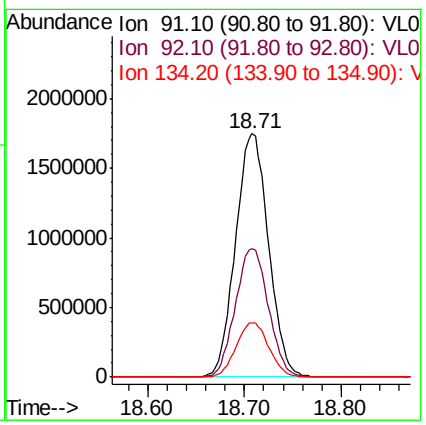


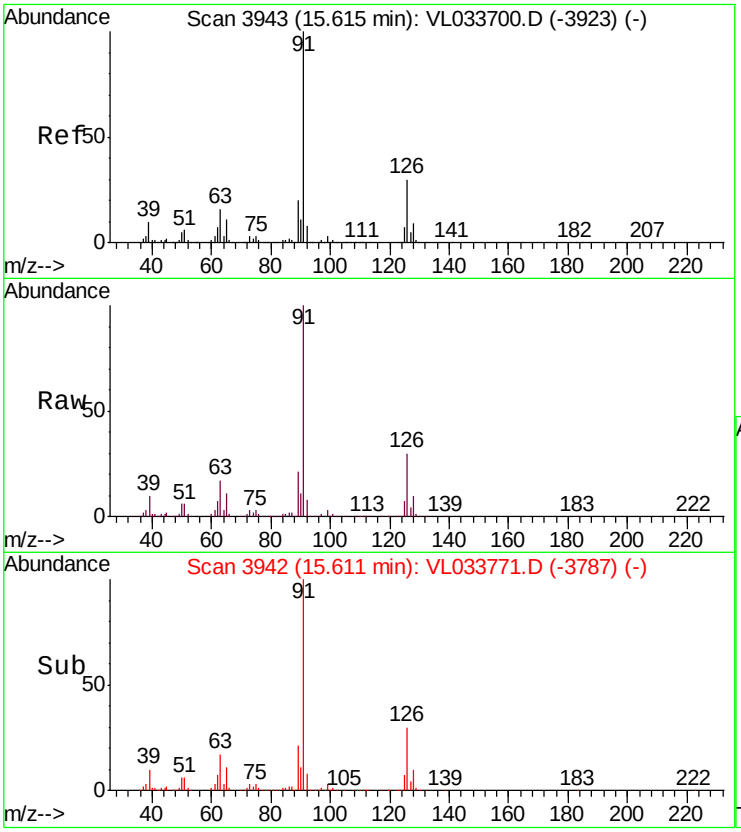


#70
n-Butylbenzene
Concen: 8.546 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion: 91 Resp: 4143918

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	63.8
134	22.2	18.1	27.1



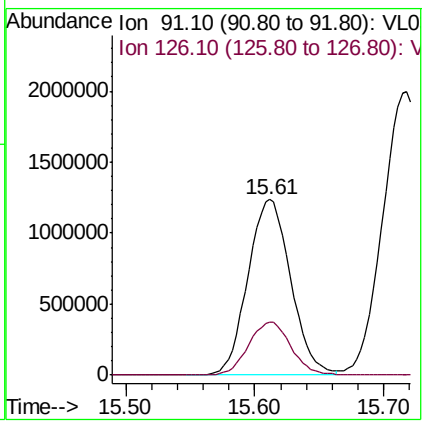


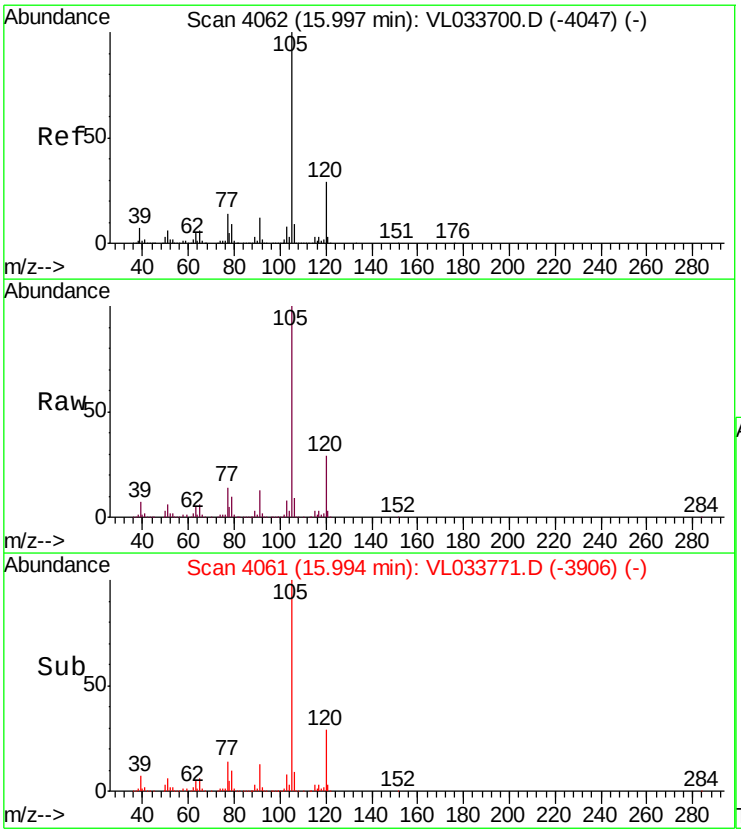
#71
2-Chlorotoluene
Concen: 9.003 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion: 91 Resp: 2859573

Ion	Ratio	Lower	Upper
91	100		
126	30.3	12.0	47.8

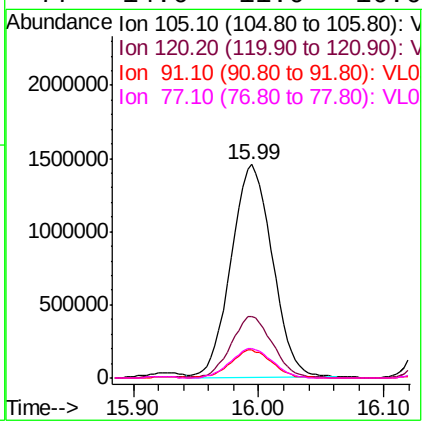


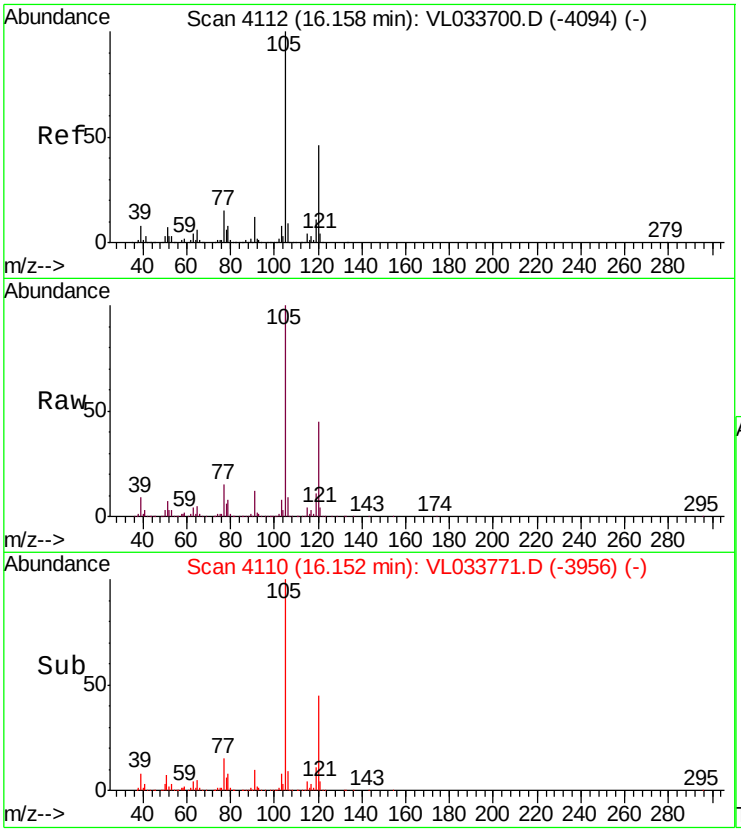


#72
4-Ethyltoluene
Concen: 9.141 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:105 Resp: 3322525

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.1	34.7
91	13.2	10.4	15.6
77	14.6	11.0	16.6



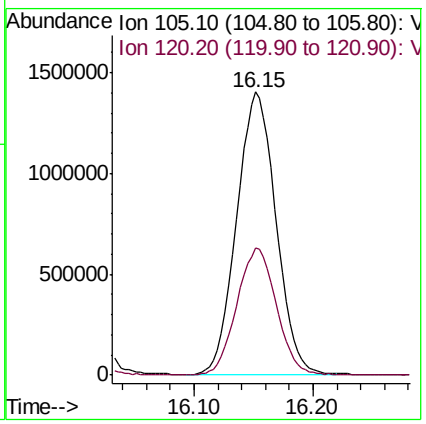


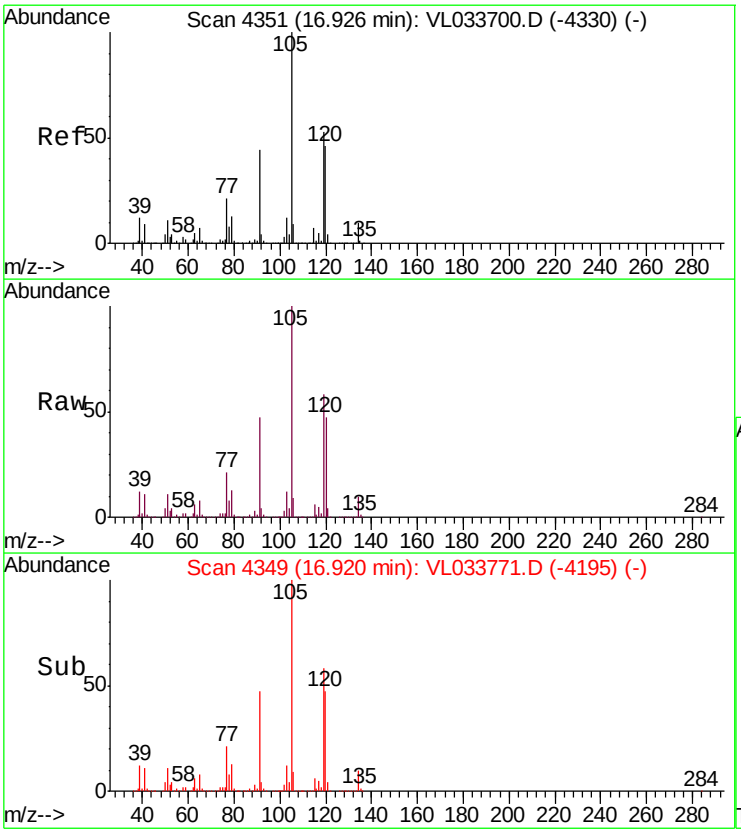
#73
1,3,5-Trimethylbenzene
Concen: 9.014 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:105 Resp: 3196592

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.0	55.4

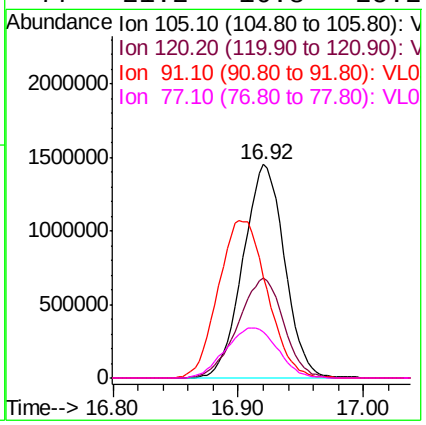


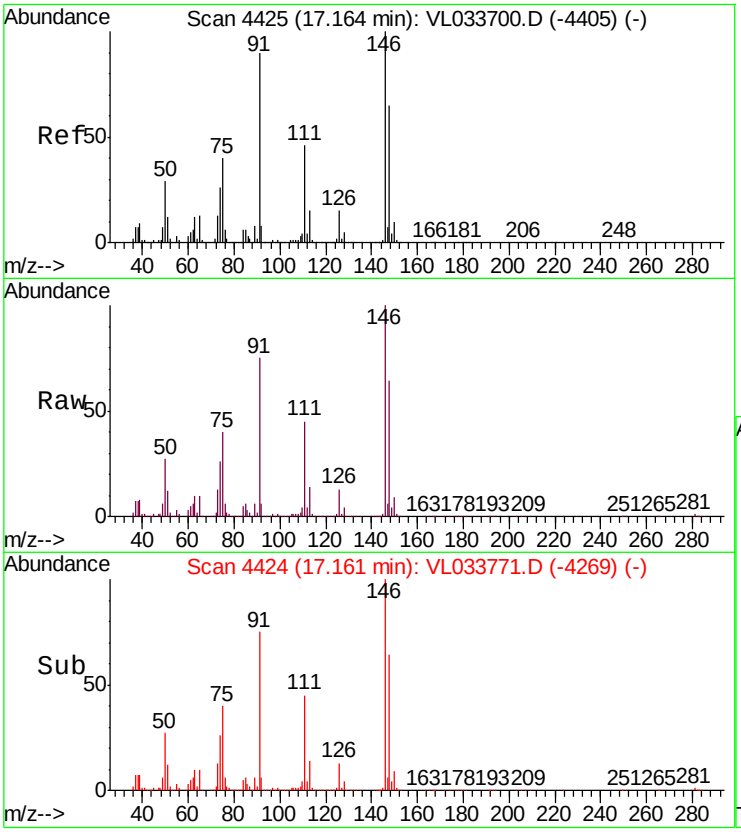


#74
1,2,4-Trimethylbenzene
Concen: 8.644 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:105 Resp: 3336300

Ion	Ratio	Lower	Upper
105	100		
120	46.3	36.8	55.2
91	47.1	35.4	53.0
77	21.2	16.8	25.2



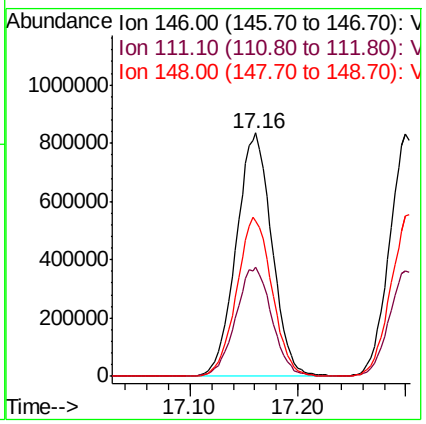


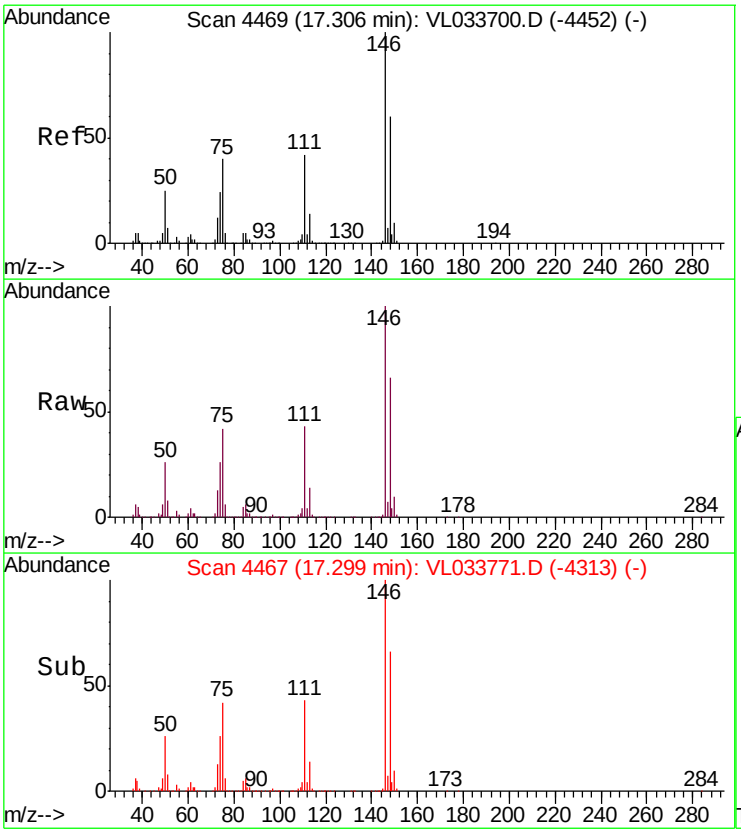
#75
1,3-Dichlorobenzene
Concen: 8.112 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:146 Resp: 1918564

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.8
148	64.9	32.0	96.2

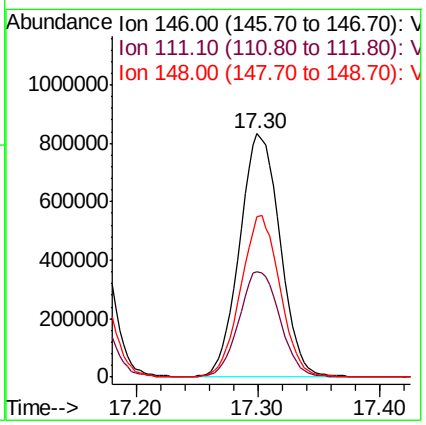


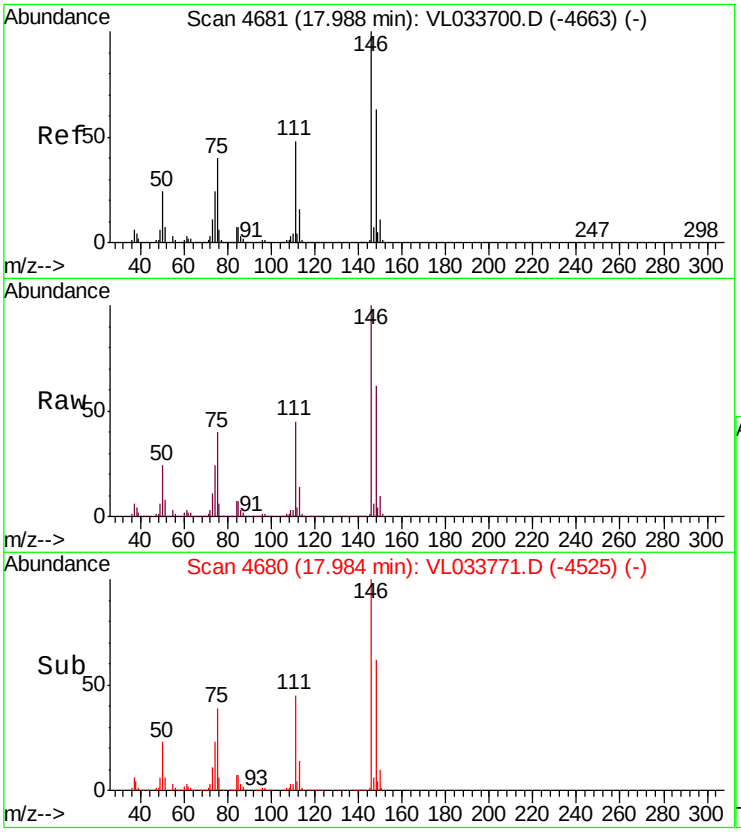


#76
1,4-Dichlorobenzene
Concen: 8.441 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:146 Resp: 1897294

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.8
148	64.7	32.1	96.3



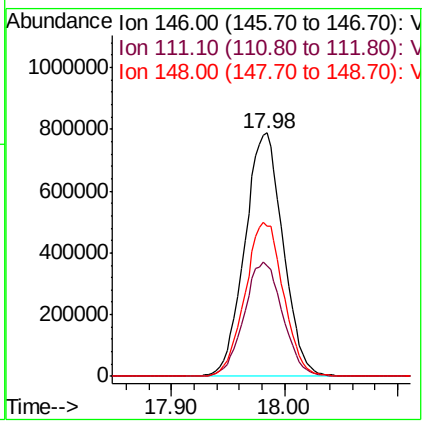


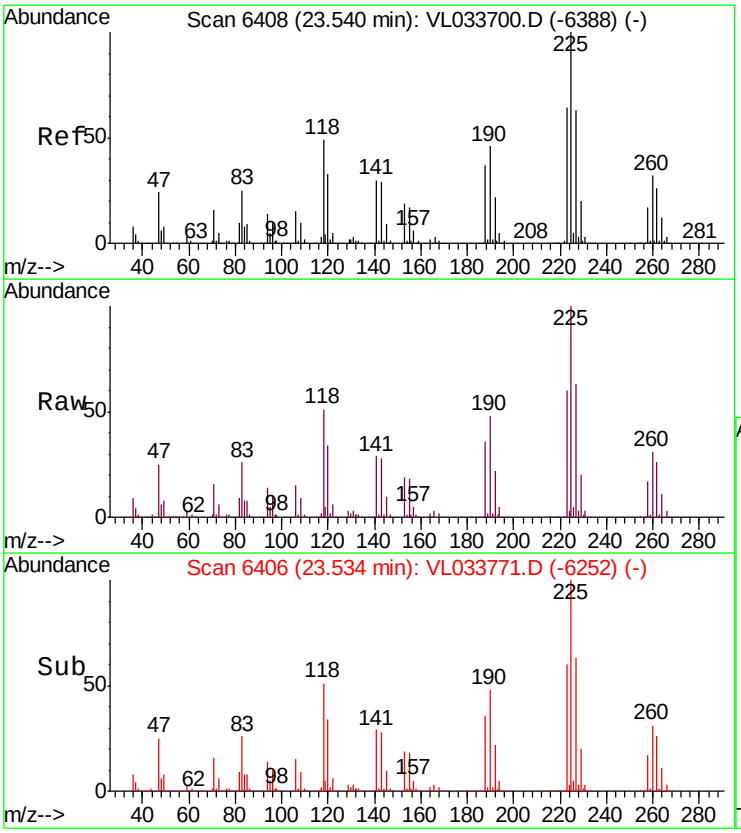
#77
1,2-Dichlorobenzene
Concen: 8.342 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:146 Resp: 1853856

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.5	70.5
148	63.4	32.1	96.3

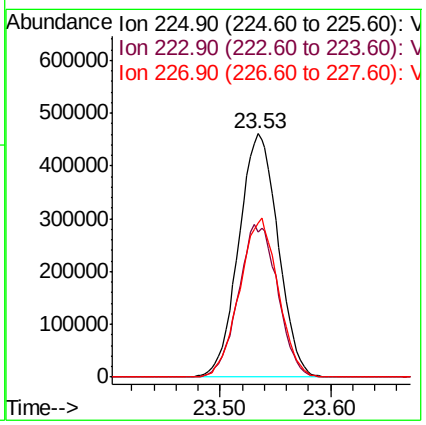


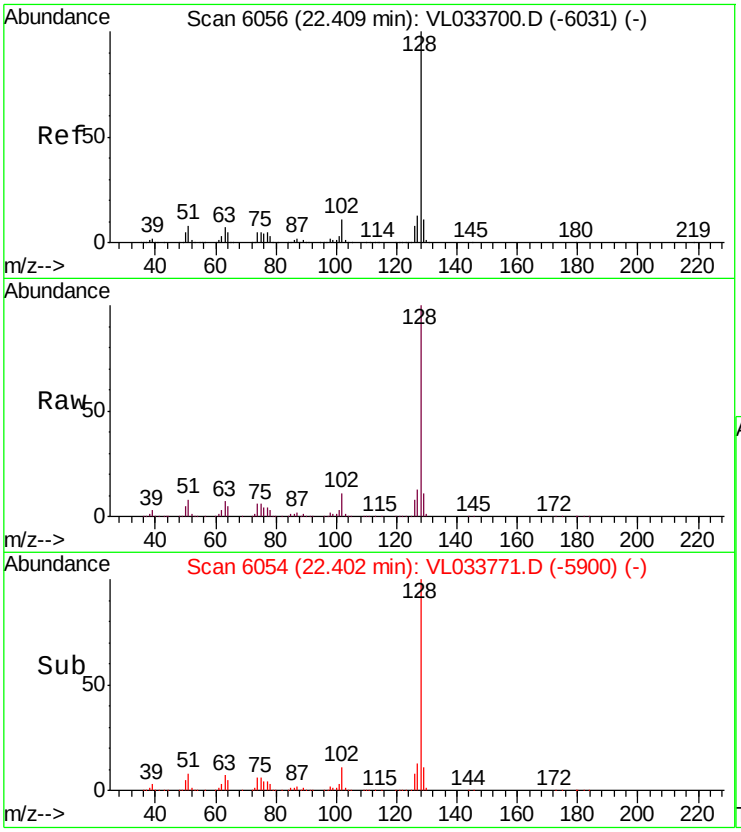


#78
Hexachloro-1,3-Butadiene
Concen: 6.780 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:225 Resp: 1139174

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.4
227	64.1	50.7	76.1



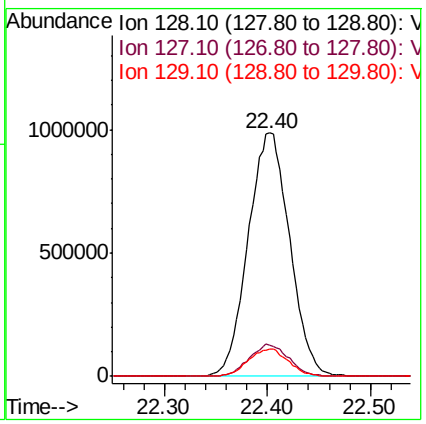


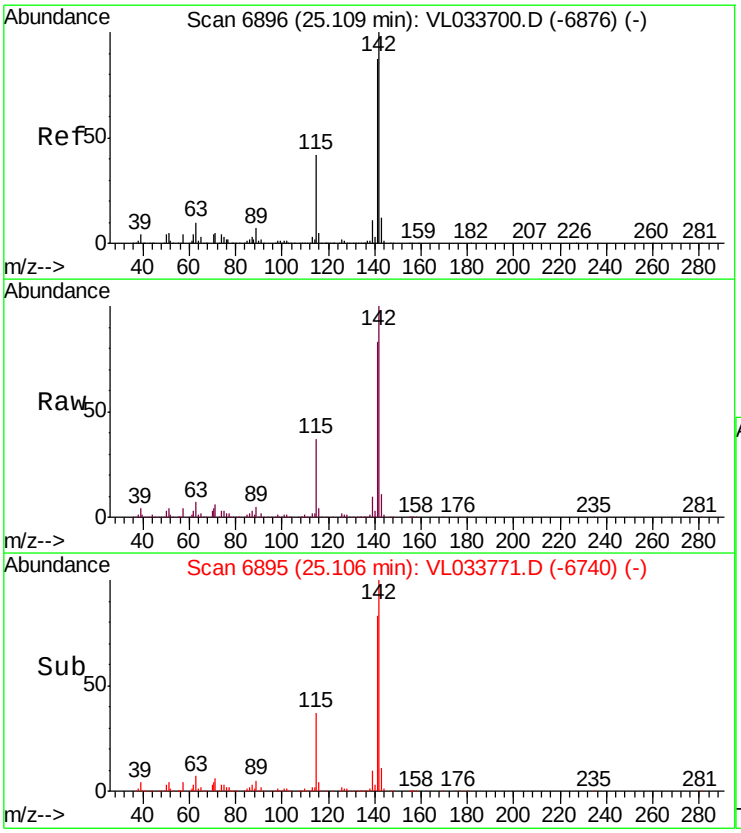
#79
Naphthalene
Concen: 7.681 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01

Tgt Ion:128 Resp: 2753453

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.4	8.9	13.3

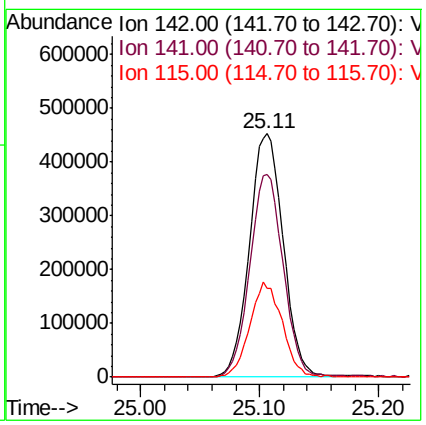


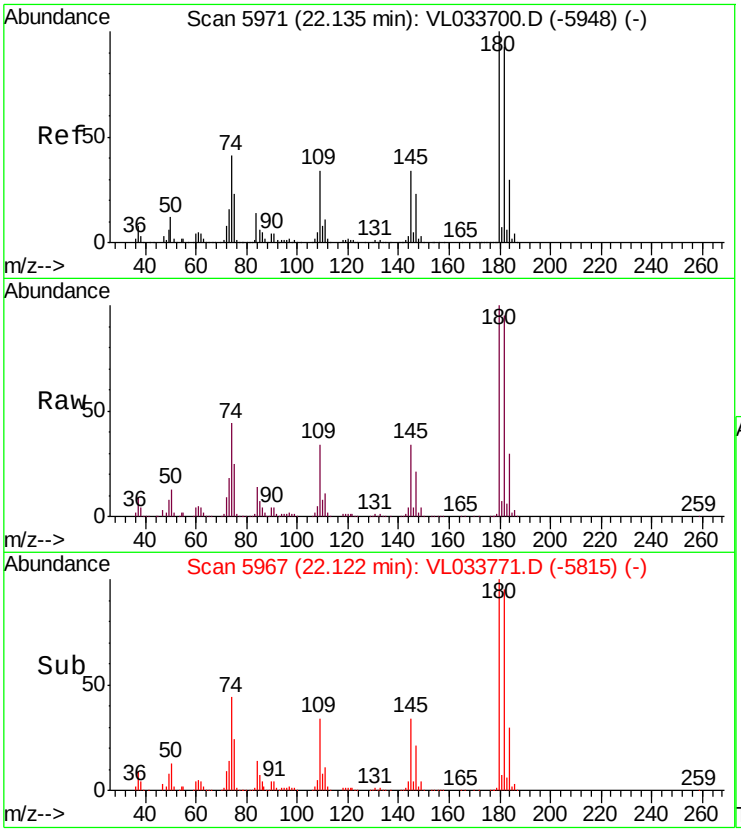


#80
Naphthalene,2-methyl-
Concen: 6.530 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Tgt Ion:142 Resp: 889440

Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.2	100.8
115	37.7	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 7.477 ppbv
RT: 22.12 min Scan# 5967
Delta R.T. -0.01 min
Lab File: VL033771.D
Acq: 23 May 2019 12:37

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01

Tgt Ion:180 Resp: 1569402

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.6	24.6	37.0