Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033339.D
Acq On : 15 Mar 2019 20:18
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	774874	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1774750	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	1804055	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1410853	10.55	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	61878	0.454	ppbv		90
3) Chlorodifluoromethane	3.01	51	42458	0.477	ppbv		98
4) Chloromethane	3.17	50	21064	0.437	ppbv		100
5) Vinyl Chloride	3.29	62	21113	0.425	ppbv	#	87
6) Bromomethane	3.52	94	13111	0.444	ppbv		93
7) Chloroethane	3.60	64	3220	0.185	ppbv		96
8) Dichlorotetrafluoroethane	3.22	85	53695	0.463	ppbv		97
9) Propene	3.04	41	17349	0.437	ppbv		97
10) Heptane	8.25	43	36527	0.371	ppbv		99
11) Trichlorofluoromethane	4.01	101	62580	0.461	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	41023	0.456	ppbv		99
13) Ethanol	3.66	45	8125	0.429	ppbv	#	53
14) Bromoethene	3.79	108	15773	0.420	ppbv	#	96
15) Acetone	3.91	43	66243	0.550	ppbv		97
16) 1,3-Butadiene	3.36	39	9330	0.238	ppbv	#	2
17) tert-Butyl alcohol	4.35	59	685	0.040	ppbv	#	74
18) 1,1-Dichloroethene	4.36	96	16823	0.409	ppbv		85
19) Isopropyl Alcohol	4.04	45	28645	0.500	ppbv	#	89
20) Methylene Chloride	4.41	84	20061	0.511	ppbv		92
21) Allyl Chloride	4.48	41	24447	0.418	ppbv		97
22) trans-1,2-Dichloroethene	4.97	96	17339	0.435	ppbv		84
23) Vinyl Acetate	5.16	43	49673	0.356	ppbv	#	94
24) 1,1-Dichloroethane	5.09	63	41408	0.411	ppbv		96
25) Ethyl Acetate	5.78	43	71153	0.406	ppbv		98
26) Hexane	5.78	57	31199	0.399	ppbv		93
27) Carbon Disulfide	4.63	76	32456	0.360	ppbv	#	90
28) Methyl tert-Butyl Ether	5.13	73	39245	0.338	ppbv		97
29) Chloroform	5.85	83	55545	0.433	ppbv		94
30) Cyclohexane	7.25	84	21812	0.348	ppbv		81
31) cis-1,2-Dichloroethene	5.64	61	28759	0.367	ppbv		97
32) 1,1,1-Trichloroethane	6.62	97	48539	0.386	ppbv		96
34) 2-Butanone	5.34	43	44391	0.381	ppbv		100
35) Carbon Tetrachloride	7.14	117	50875	0.407	ppbv		93
36) Benzene	7.01	78	59177	0.373	ppbv		99
37) 1,2-Dichloroethane	6.41	62	43400	0.432	ppbv		99
38) Trichloroethene	7.96	130	23536	0.392	ppbv		96
39) 1,2-Dichloropropane	7.73	63	13390	0.225	ppbv		94
40) 1,4-Dioxane	8.00	88	4194	0.200	ppbv	#	1
41) Tetrahydrofuran	6.17	42	21645	0.348	ppbv		97
42) Bromodichloromethane	7.91	83	26881	0.200	ppbv		92
43) Methyl Methacrylate	8.14	69	20872	0.337	ppbv		91

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033339.D
Acq On : 15 Mar 2019 20:18
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	98619	0.375	ppbv		93
45) t-1,3-Dichloropropene	9.42	75	20575	0.269	ppbv		94
46) cis-1,3-Dichloropropene	8.84	75	29507	0.328	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	25790	0.392	ppbv		91
48) Dibromochloromethane	10.45	129	37608	0.341	ppbv		99
49) Bromoform	13.21	173	33528	0.321	ppbv		98
50) 4-Methyl-2-Pentanone	8.89	43	56592	0.344	ppbv		96
51) 2-Hexanone	10.30	43	40554	0.319	ppbv	#	98
52) Tetrachloroethene	11.39	164	6019	0.091	ppbv		88
53) Toluene	9.95	91	35076	0.194	ppbv	#	45
54) 1,2-Dibromoethane	10.76	107	42652	0.384	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	33796	0.419	ppbv	#	1
57) Chlorobenzene	12.30	112	39562	0.277	ppbv	#	83
58) Ethyl Benzene	12.87	91	92386	0.362	ppbv		94
59) m/p-Xylene	13.13	91	86426	0.394	ppbv	#	100
60) o-Xylene	13.85	91	83474	0.390	ppbv		99
61) Styrene	13.69	104	27551	0.184	ppbv	#	38
62) Isopropylbenzene	14.84	105	118413	0.398	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.85	83	32183	0.208	ppbv	#	16
64) n-propylbenzene	15.73	120	13013	0.173	ppbv	#	1
65) tert-Butylbenzene	16.92	119	99564	0.372	ppbv		93
66) Benzyl Chloride	17.16	91	18949	0.171	ppbv	#	68
67) sec-Butylbenzene	17.47	105	149584	0.394	ppbv		99
69) p-Isopropyltoluene	17.82	119	115878	0.374	ppbv		96
70) n-Butylbenzene	18.72	91	127559	0.386	ppbv		93
71) 2-Chlorotoluene	15.63	91	37377	0.161	ppbv	#	29
72) 4-Ethyltoluene	16.01	105	89090	0.367	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.17	105	88081	0.372	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	97964	0.391	ppbv	#	91
75) 1,3-Dichlorobenzene	17.17	146	33159	0.224	ppbv	#	24
76) 1,4-Dichlorobenzene	17.31	146	58359	0.408	ppbv		98
77) 1,2-Dichlorobenzene	18.00	146	31343	0.224	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.55	225	38074	0.454	ppbv		98
79) Naphthalene	22.42	128	38340	0.159	ppbv	#	92
80) Naphthalene,2-methyl-	25.13	142	34229	0.299	ppbv		94
81) 1,2,4-Trichlorobenzene	22.15	180	26722	0.217	ppbv	#	28

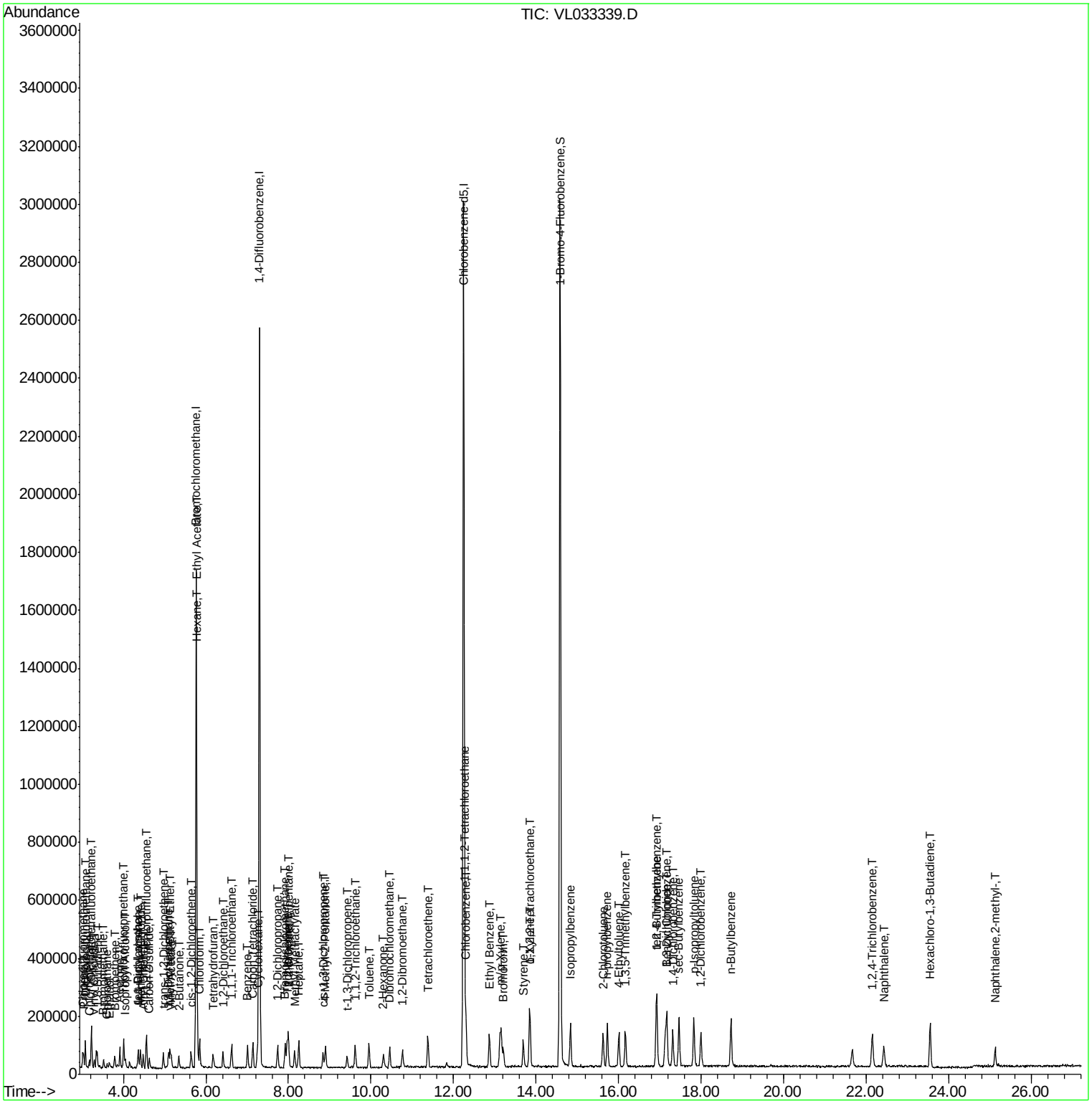
(#) = qualifier out of range (m) = manual integration (+) = signals summed

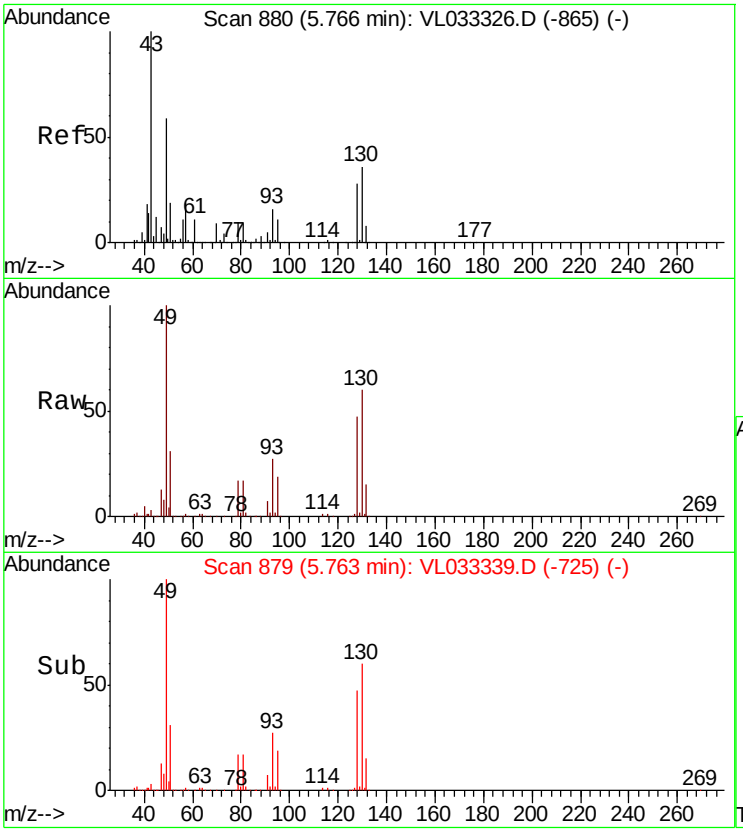
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033339.D
Acq On : 15 Mar 2019 20:18
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



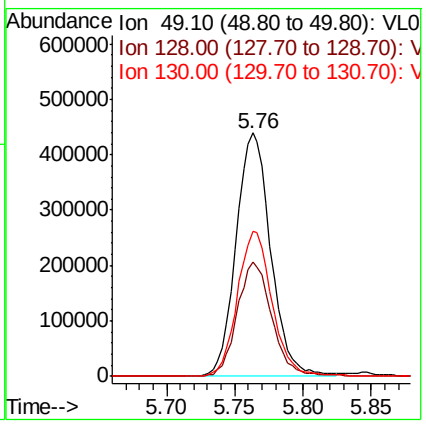


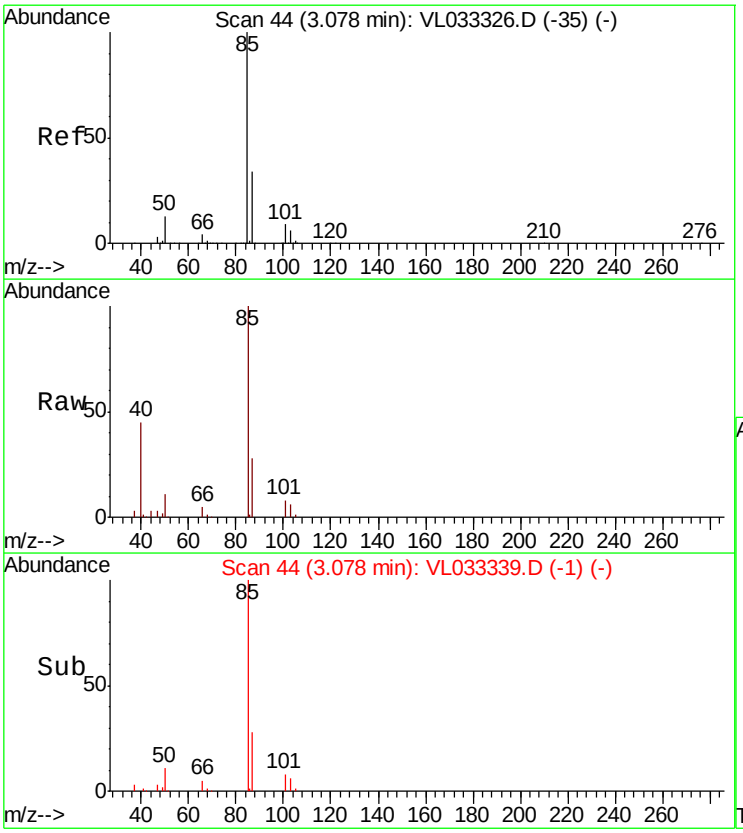
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 774874

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.5	70.6
130	59.8	30.1	90.3

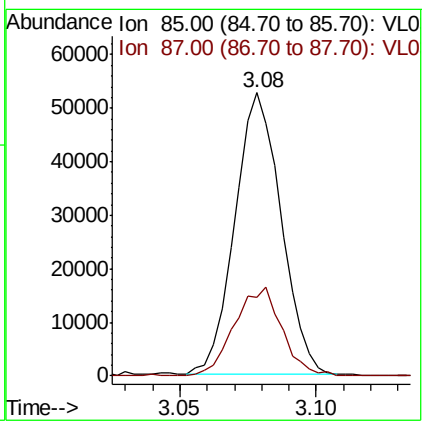


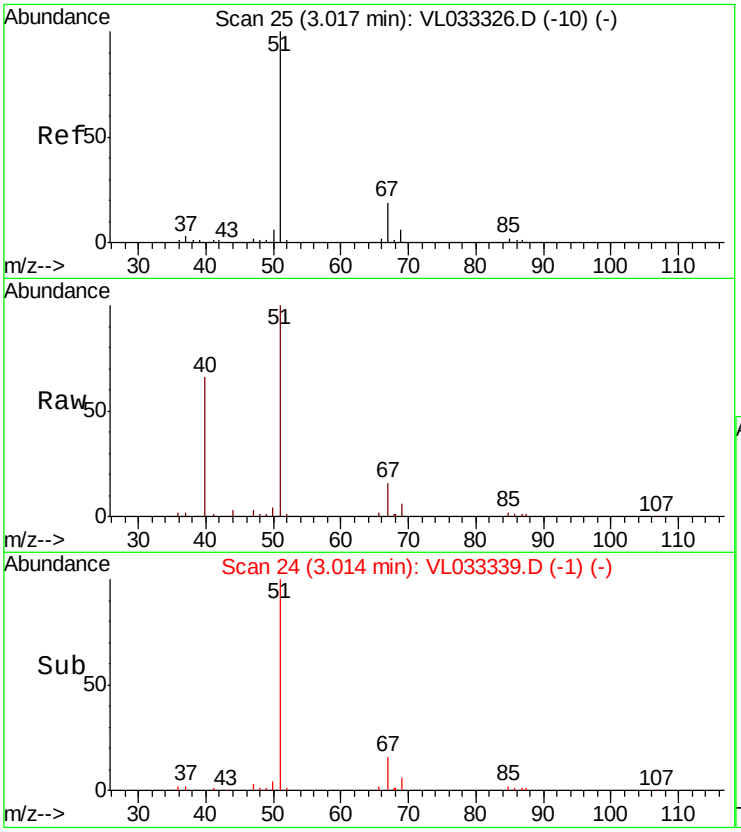


#2
Dichlorodifluoromethane
Concen: 0.454 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 85 Resp: 61878

Ion	Ratio	Lower	Upper
85	100		
87	27.9	26.9	40.3

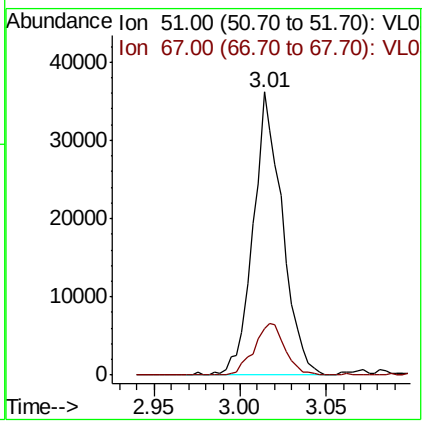




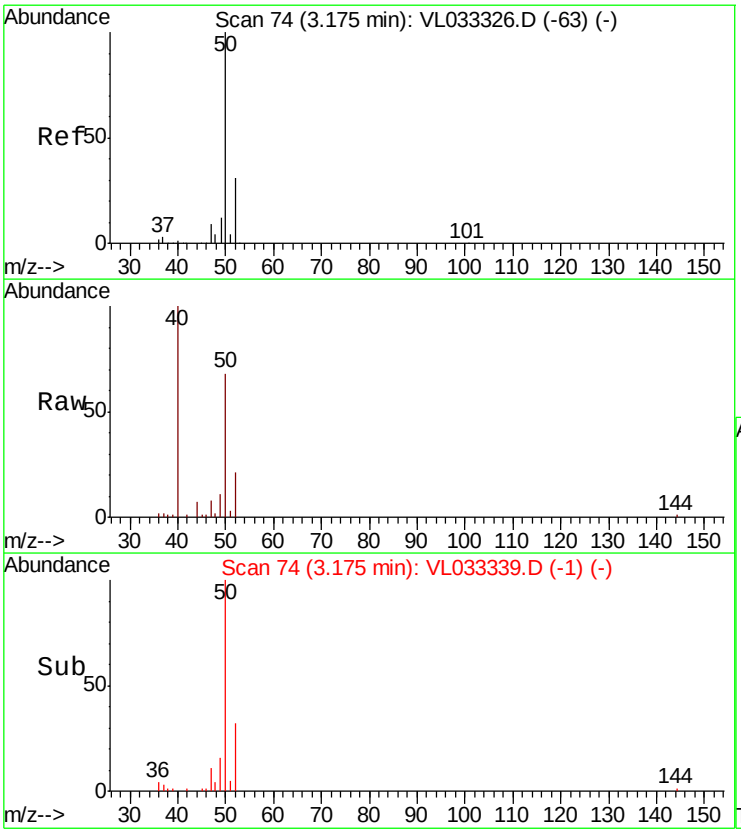
#3
Chlorodifluoromethane
Concen: 0.477 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 51 Resp: 42458

Ion	Ratio	Lower	Upper
51	100		
67	19.3	14.9	22.3



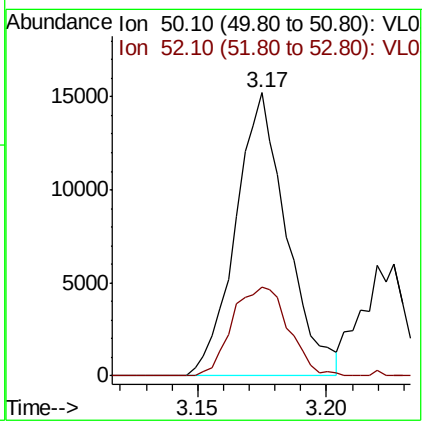
Instrument :
MSVOA_L
ClientSampleId :

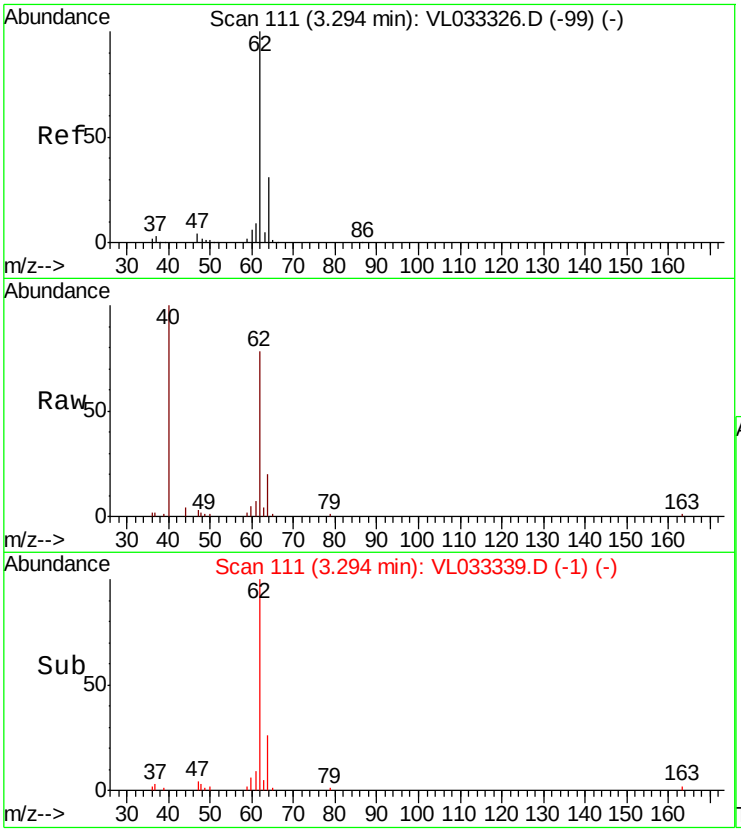


#4
Chloromethane
Concen: 0.437 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 50 Resp: 21064

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.6



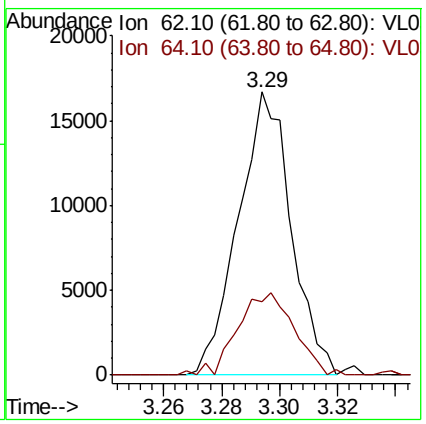


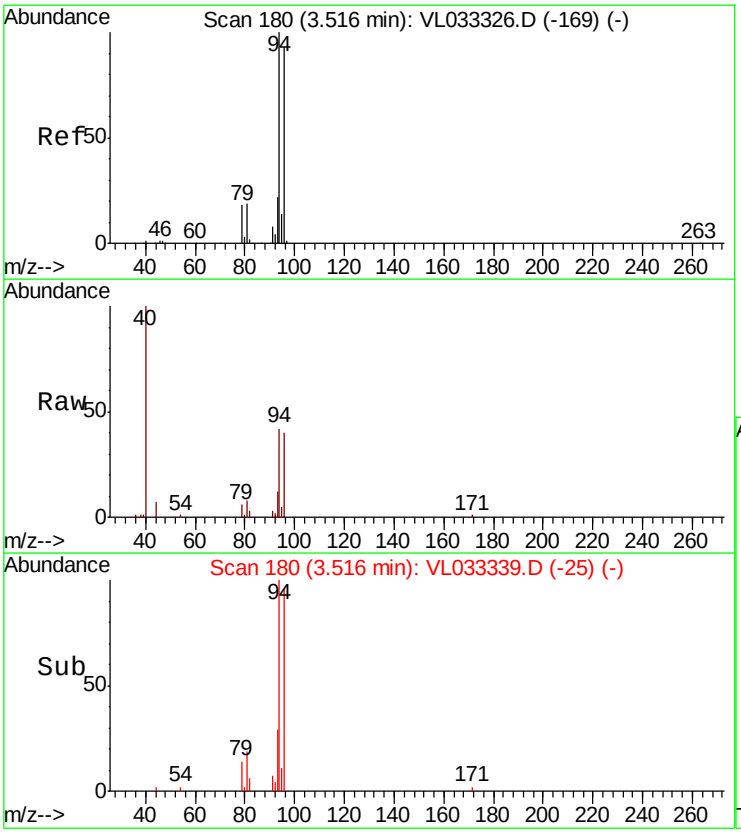
#5
Vinyl Chloride
Concen: 0.425 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 21113

Ion	Ratio	Lower	Upper
62	100		
64	24.2	25.0	37.6#

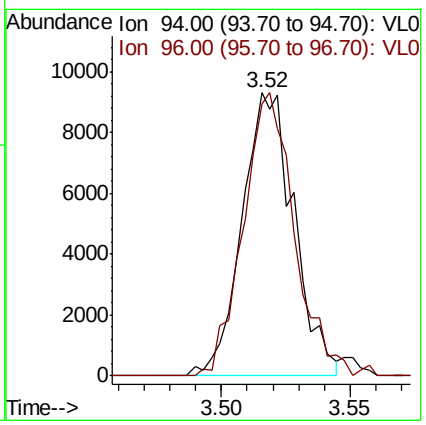


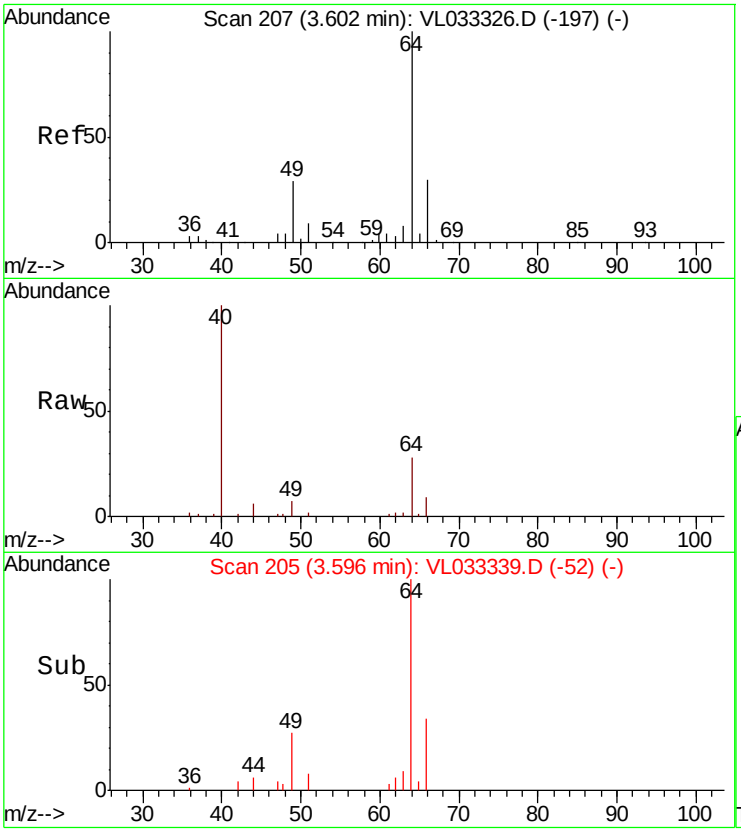


#6
Bromomethane
Concen: 0.444 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 94 Resp: 13111

Ion	Ratio	Lower	Upper
94	100		
96	86.6	74.6	111.8



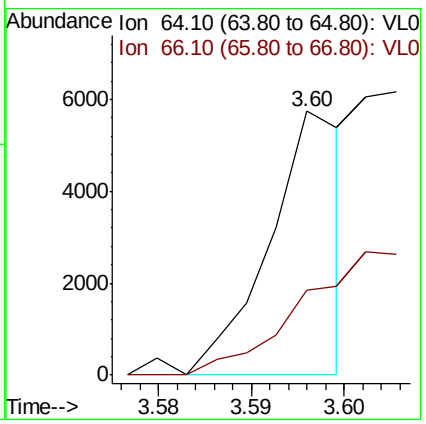


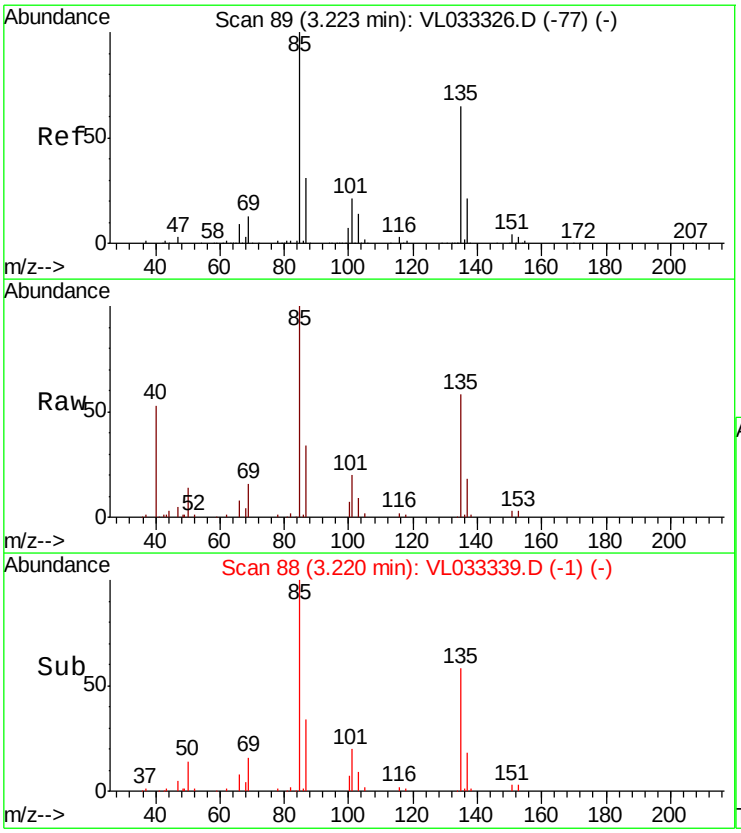
#7
Chloroethane
Concen: 0.185 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 3220

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.0	36.0

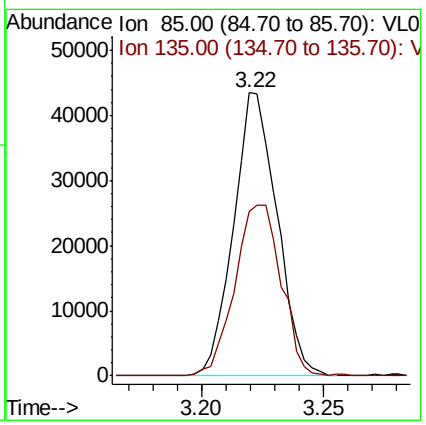


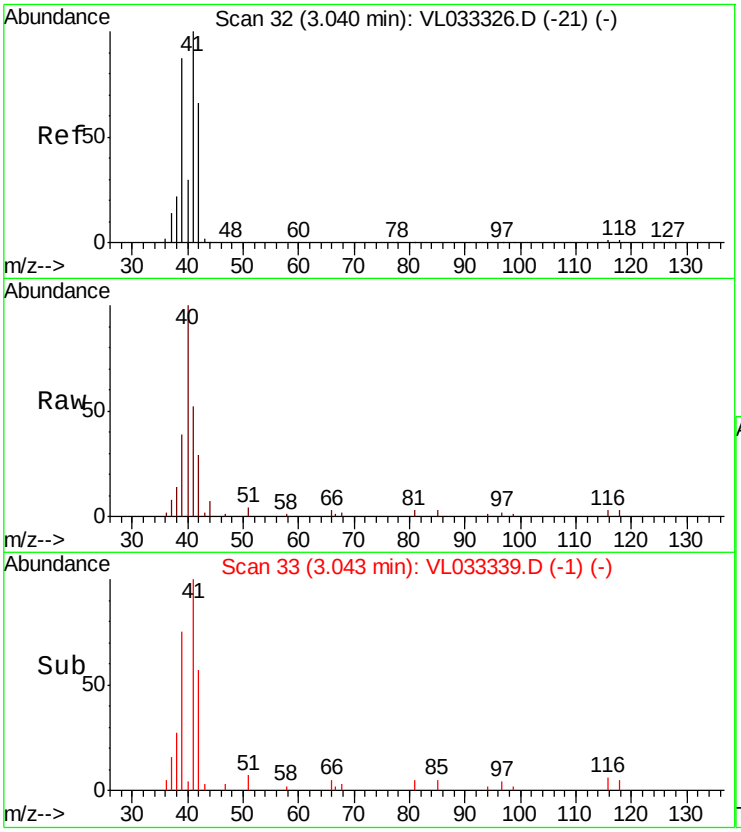


#8
Dichlorotetrafluoroethane
Concen: 0.463 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 85 Resp: 53695

Ion	Ratio	Lower	Upper
85	100		
135	64.5	53.4	80.2



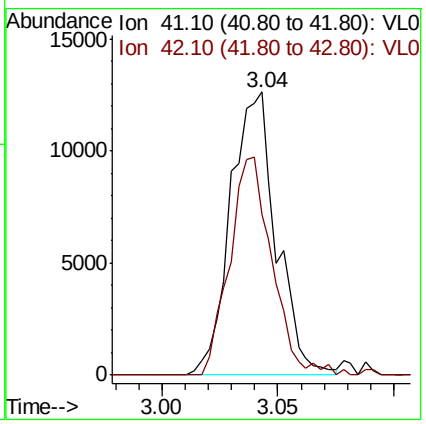


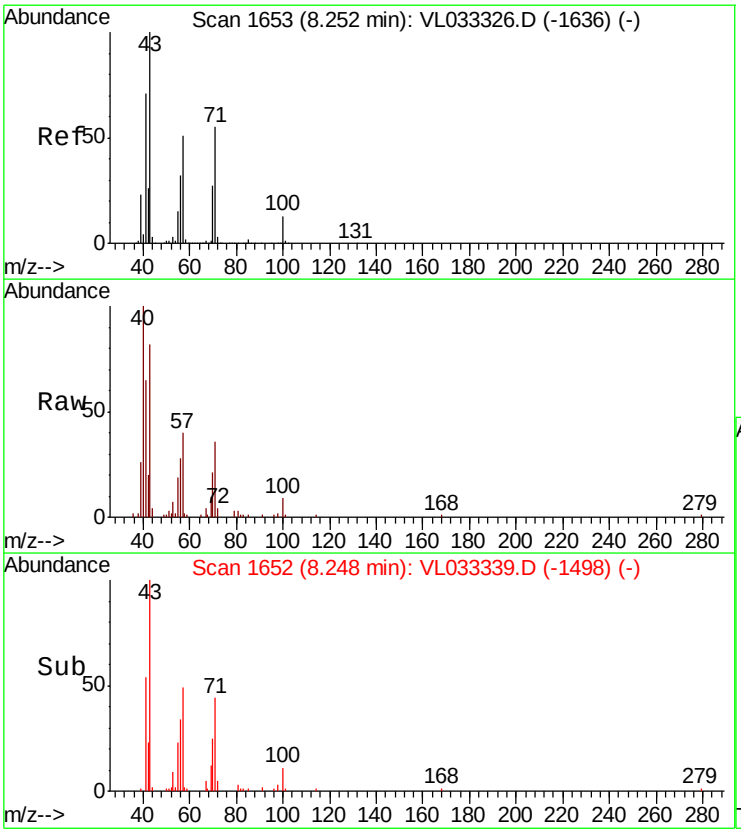
#9
Propene
Concen: 0.437 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 17349

Ion	Ratio	Lower	Upper
41	100		
42	71.2	55.2	82.8

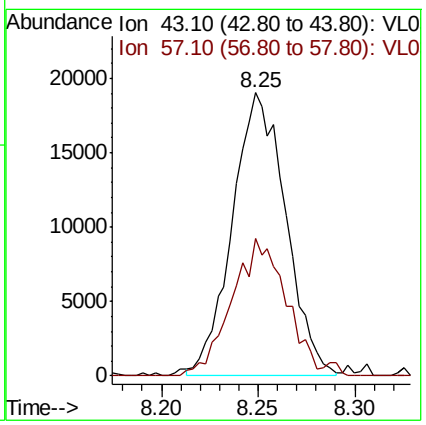


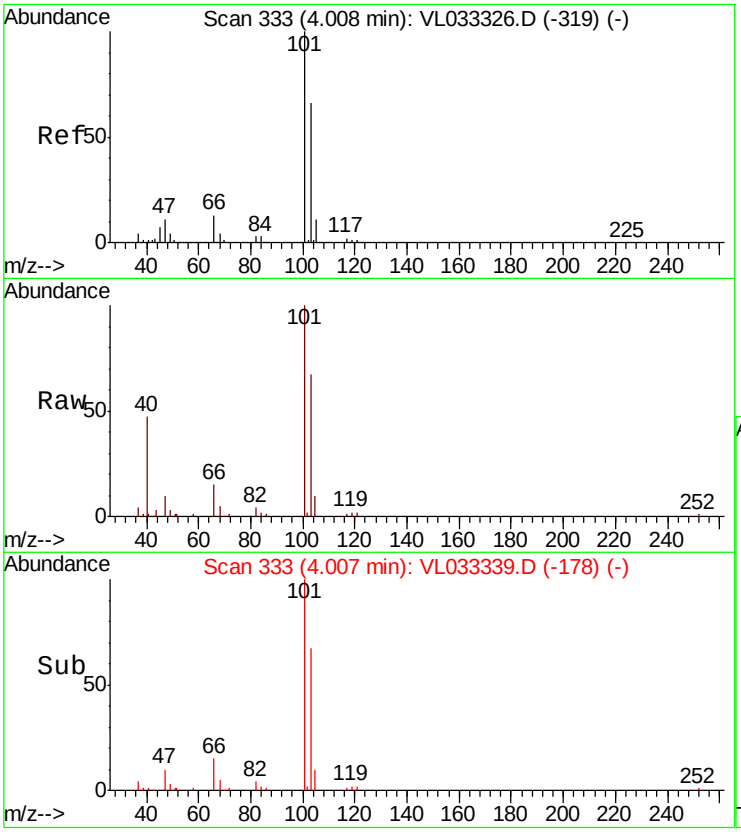


#10
Heptane
Concen: 0.371 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 43 Resp: 36527

Ion	Ratio	Lower	Upper
43	100		
57	50.0	40.4	60.6



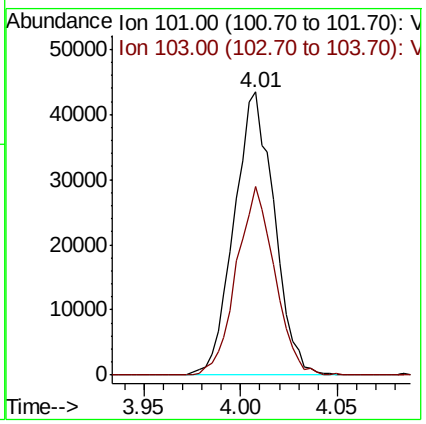


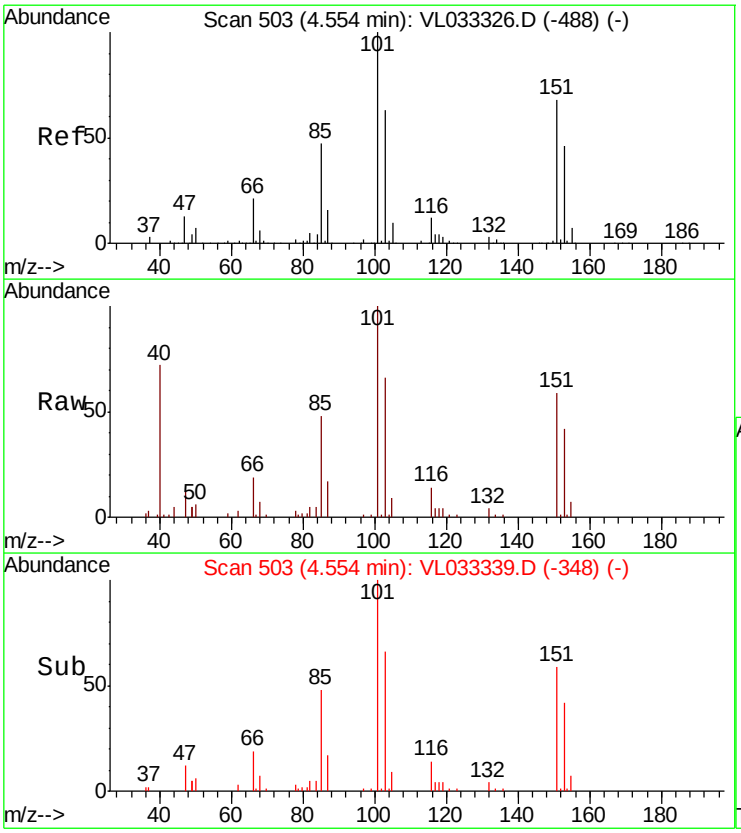
#11
Trichlorofluoromethane
Concen: 0.461 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 62580

Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.9	79.3

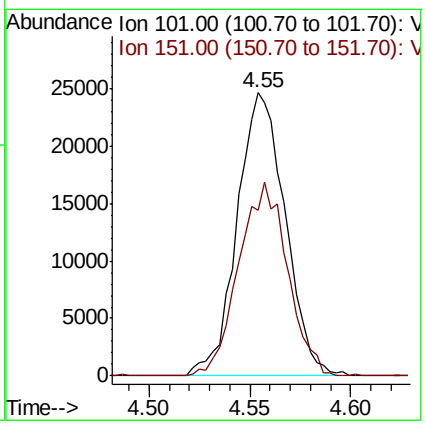


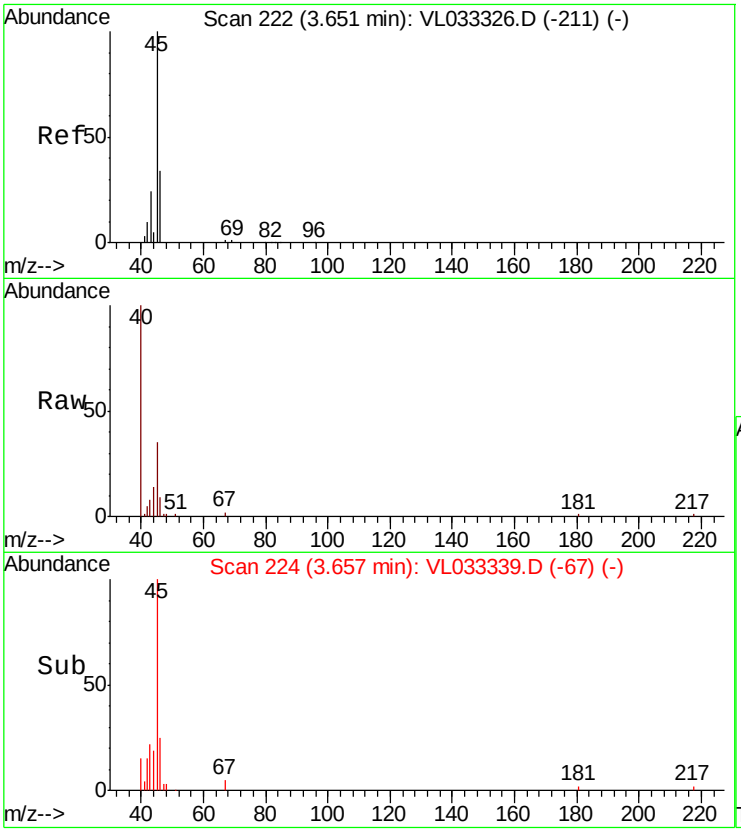


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.456 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:101 Resp: 41023

Ion	Ratio	Lower	Upper
101	100		
151	69.5	56.3	84.5



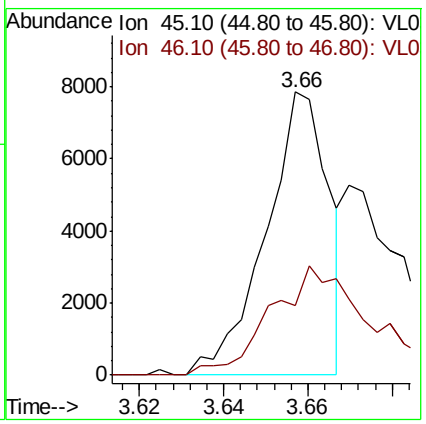


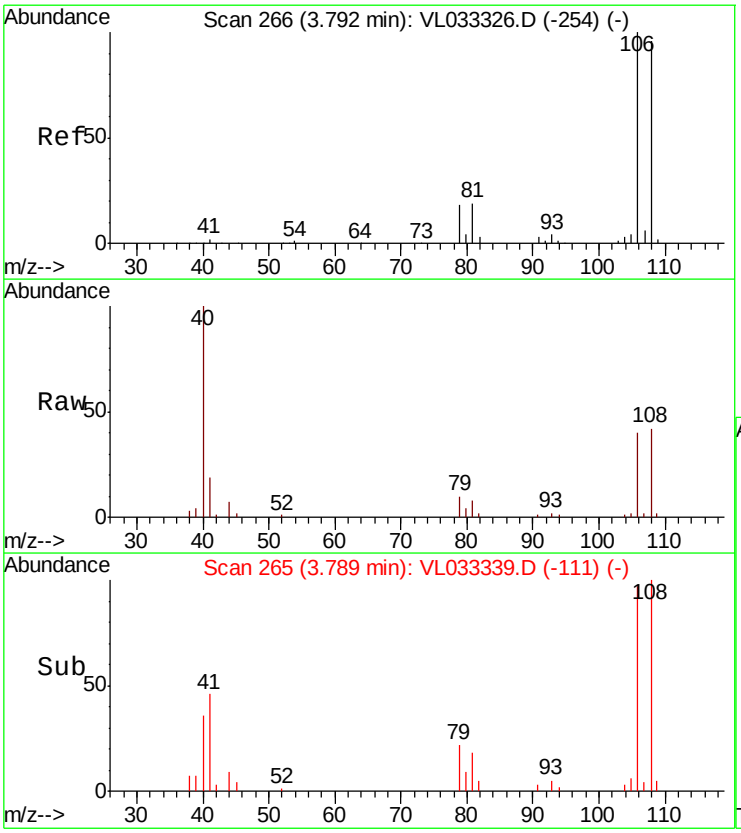
#13
Ethanol
Concen: 0.429 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 8125

Ion	Ratio	Lower	Upper
45	100		
46	65.6	14.9	59.7#

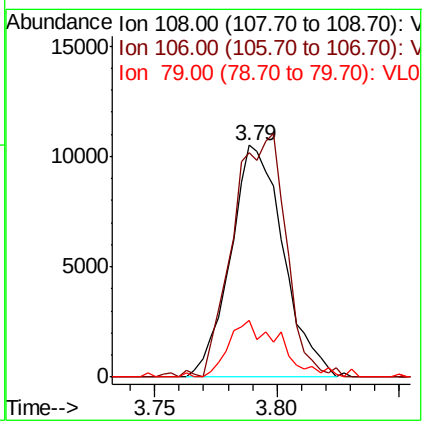


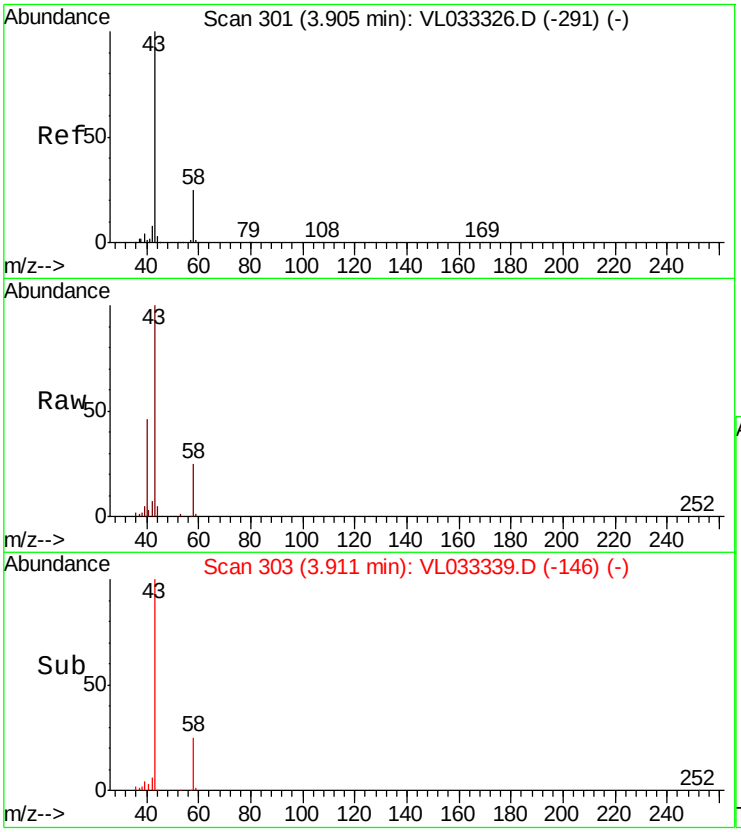


#14
Bromoethene
Concen: 0.420 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:108 Resp: 15773

Ion	Ratio	Lower	Upper
108	100		
106	105.7	86.2	129.2
79	25.0	15.4	23.2#



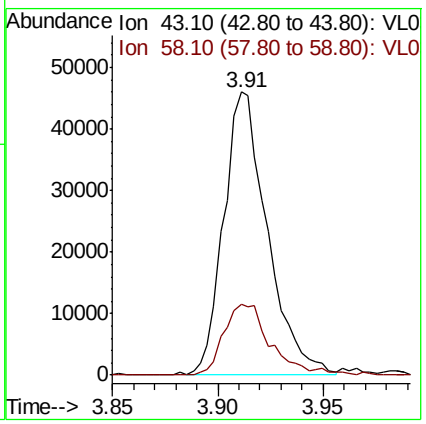


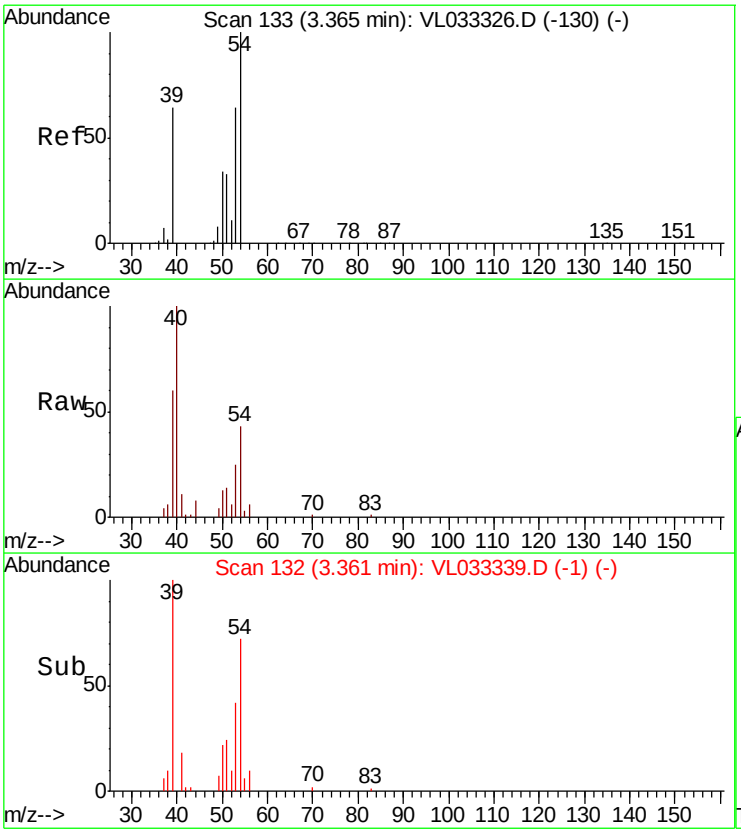
#15
Acetone
Concen: 0.550 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 66243

Ion	Ratio	Lower	Upper
43	100		
58	26.9	20.4	30.6

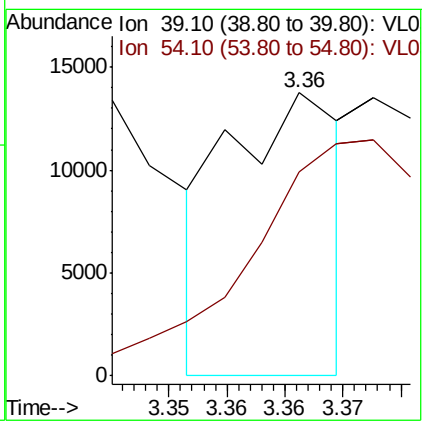


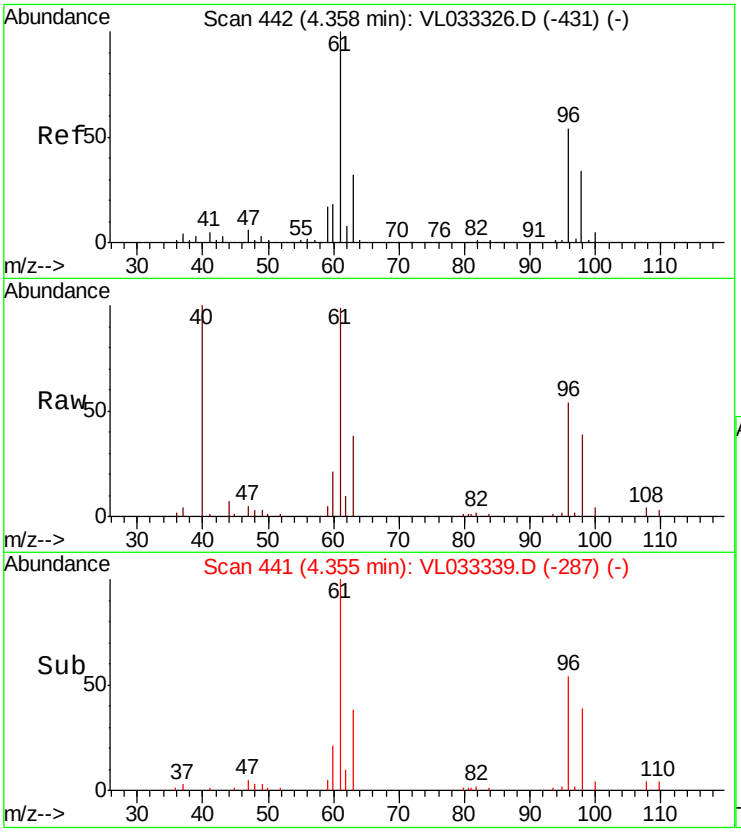


#16
1,3-Butadiene
Concen: 0.238 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 39 Resp: 9330

Ion	Ratio	Lower	Upper
39	100		
54	0.0	76.8	115.2#



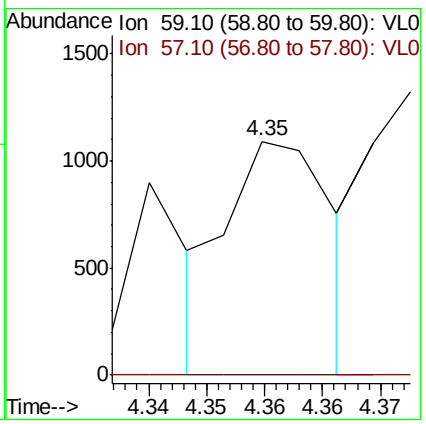


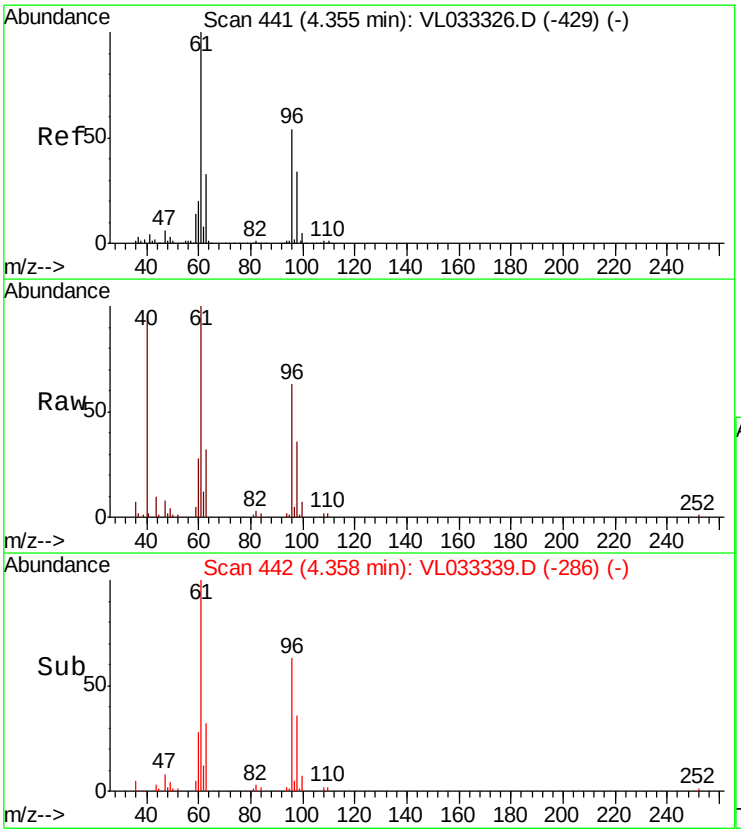
#17
tert-Butyl alcohol
Concen: 0.040 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 685

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

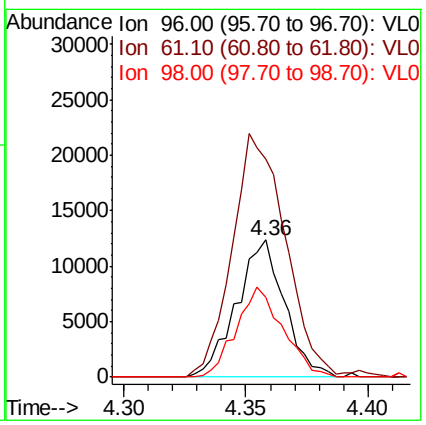


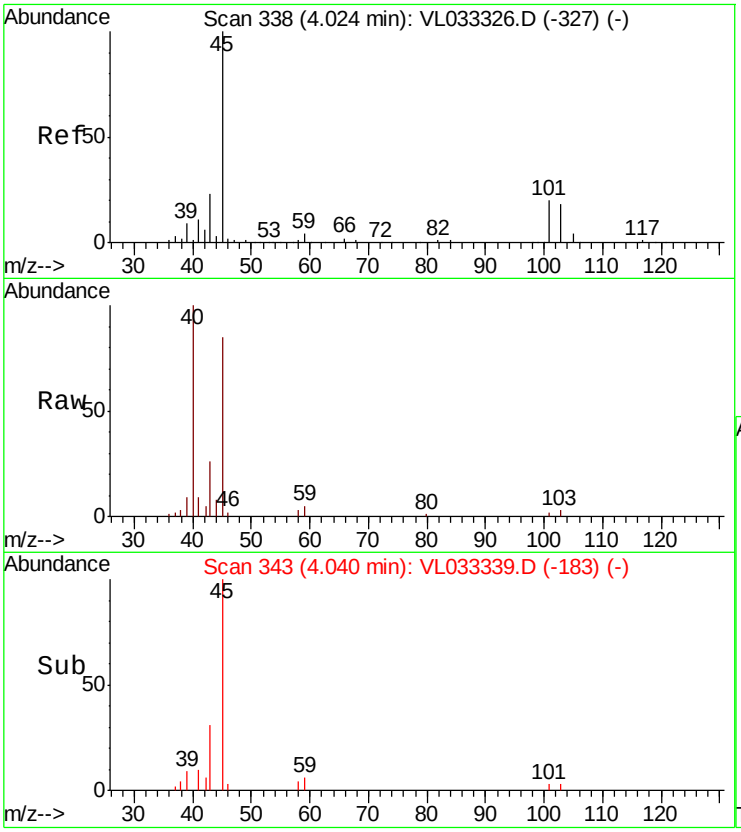


#18
1,1-Dichloroethene
Concen: 0.409 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 96 Resp: 16823

Ion	Ratio	Lower	Upper
96	100		
61	158.7	148.6	222.8
98	59.6	50.3	75.5



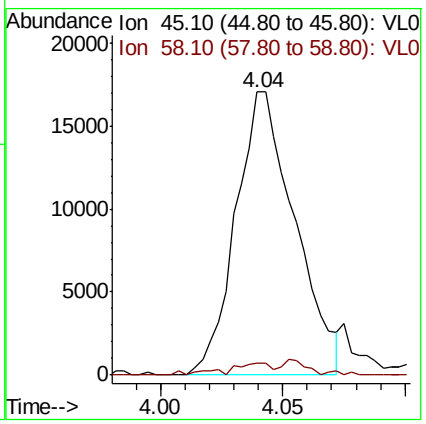


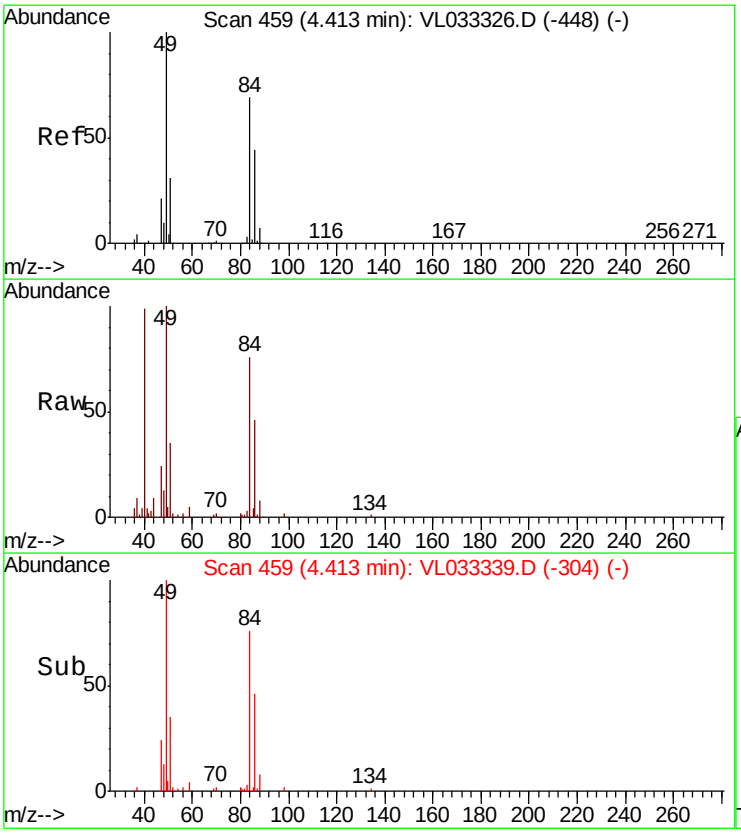
#19
Isopropyl Alcohol
Concen: 0.500 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 28645

Ion	Ratio	Lower	Upper
45	100		
58	5.7	1.5	2.3#

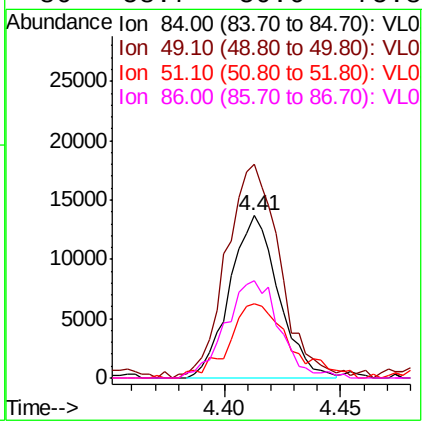


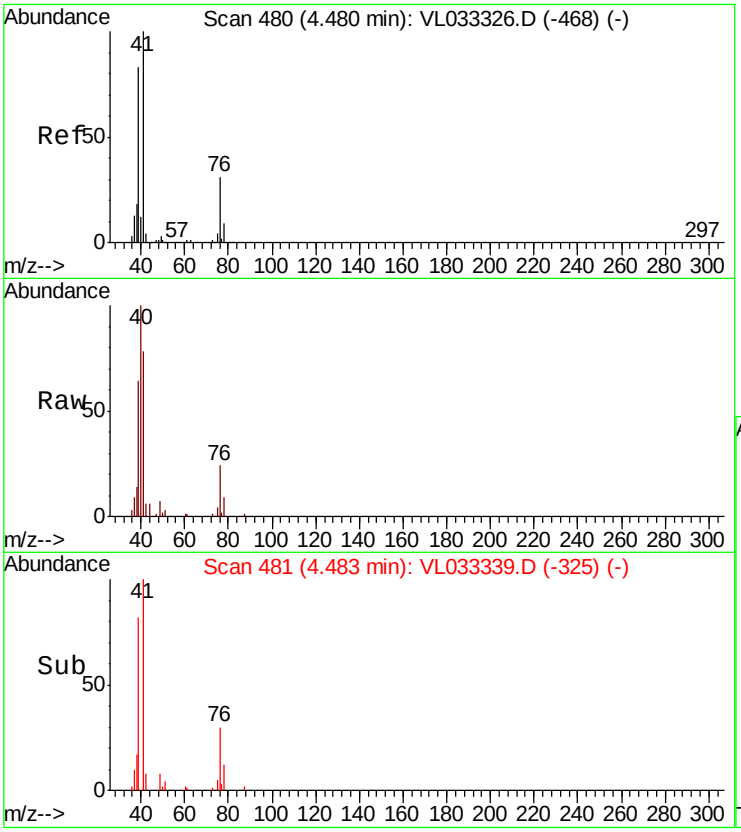


#20
Methylene Chloride
Concen: 0.511 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 84 Resp: 20061

Ion	Ratio	Lower	Upper
84	100		
49	129.4	115.4	173.0
51	45.2	35.8	53.6
86	58.7	50.6	75.8



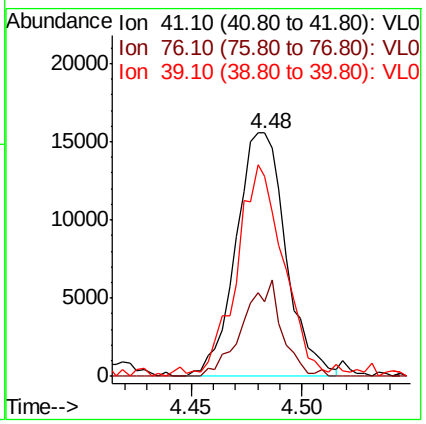


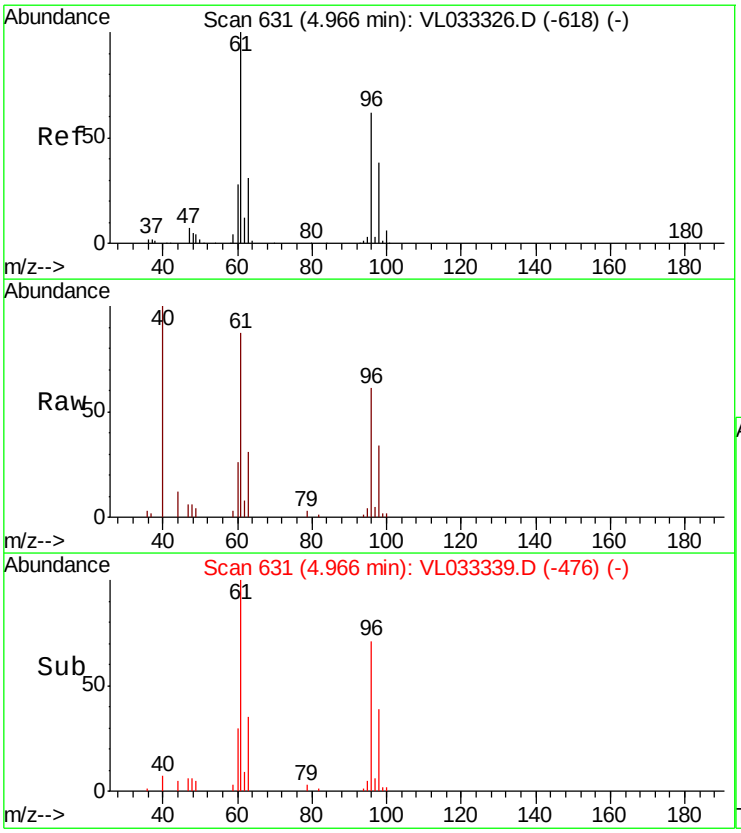
#21
Allvl Chloride
Concen: 0.418 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 24447

Ion	Ratio	Lower	Upper
41	100		
76	30.9	25.0	37.4
39	85.4	65.9	98.9

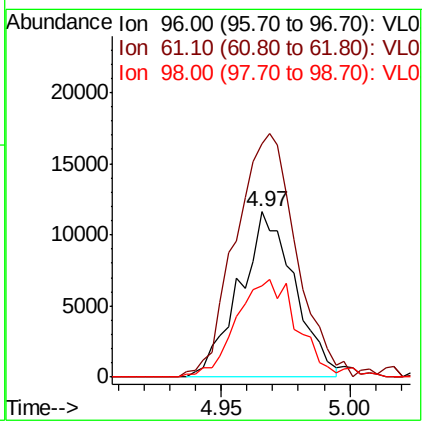


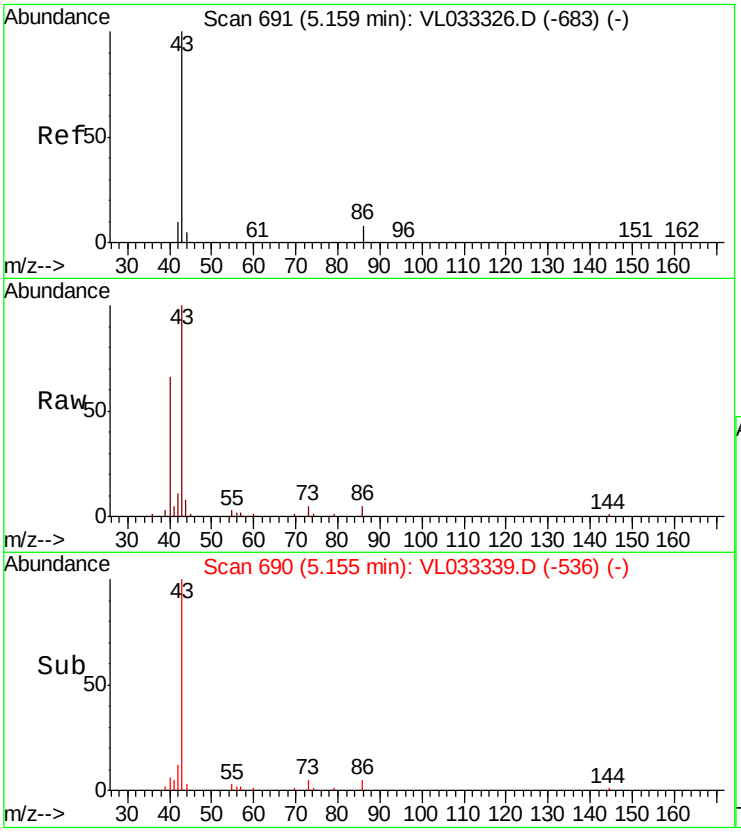


#22
trans-1,2-Dichloroethene
Concen: 0.435 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 96 Resp: 17339

Ion	Ratio	Lower	Upper
96	100		
61	138.0	130.0	195.0
98	54.1	50.0	75.0



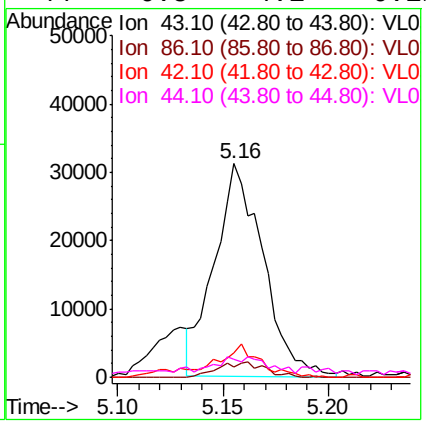


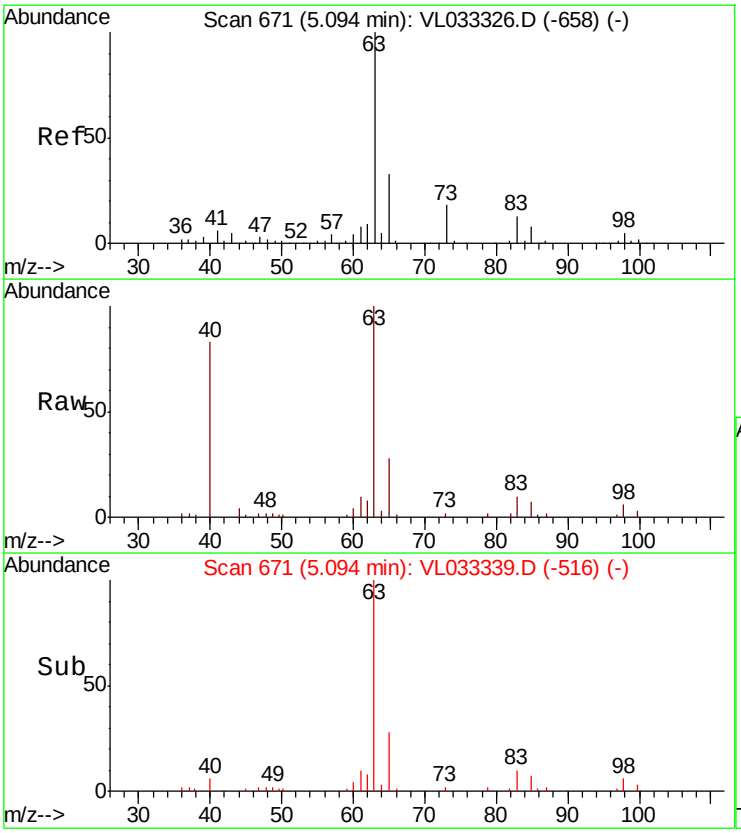
#23
Vinyl Acetate
Concen: 0.356 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 49673

Ion	Ratio	Lower	Upper
43	100		
86	4.7	6.2	9.2#
42	11.6	8.1	12.1
44	6.5	4.1	6.1#

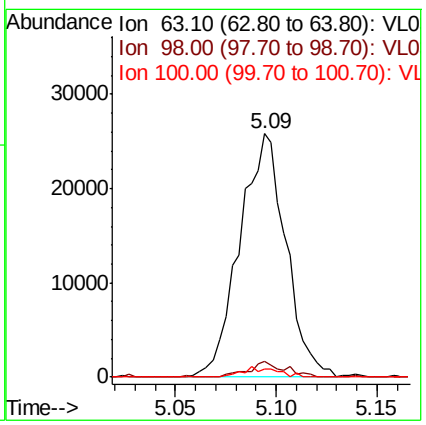


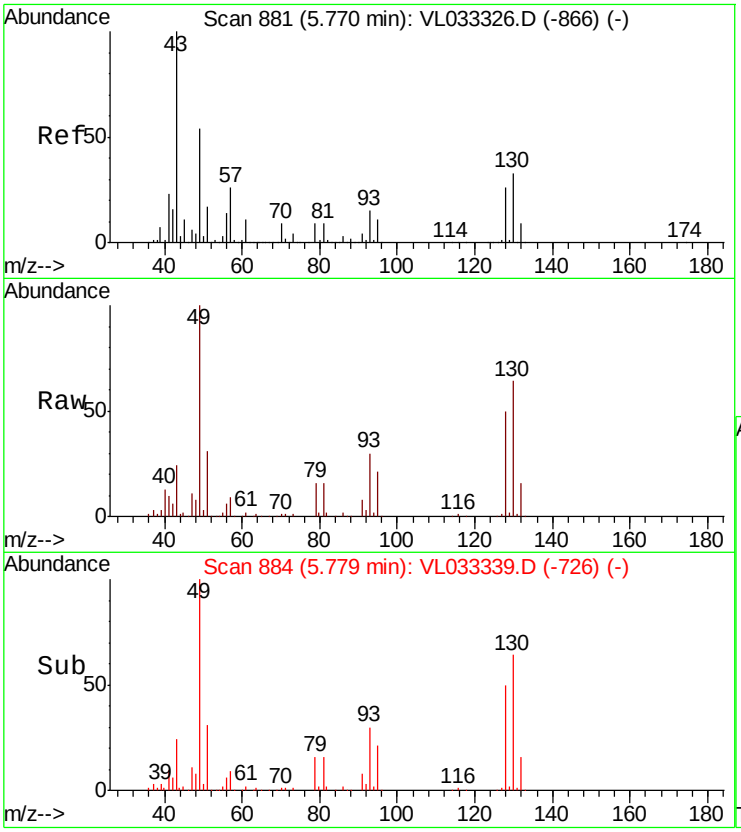


#24
1,1-Dichloroethane
Concen: 0.411 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 63 Resp: 41408

Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.4	7.1
100	3.1	1.3	3.8



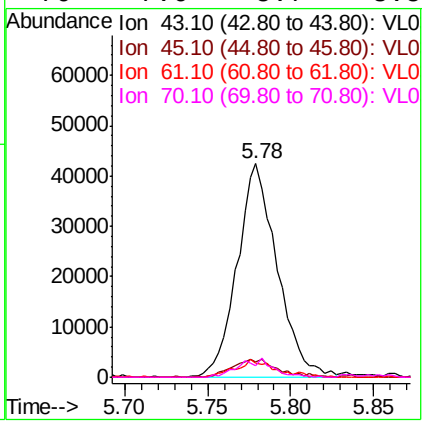


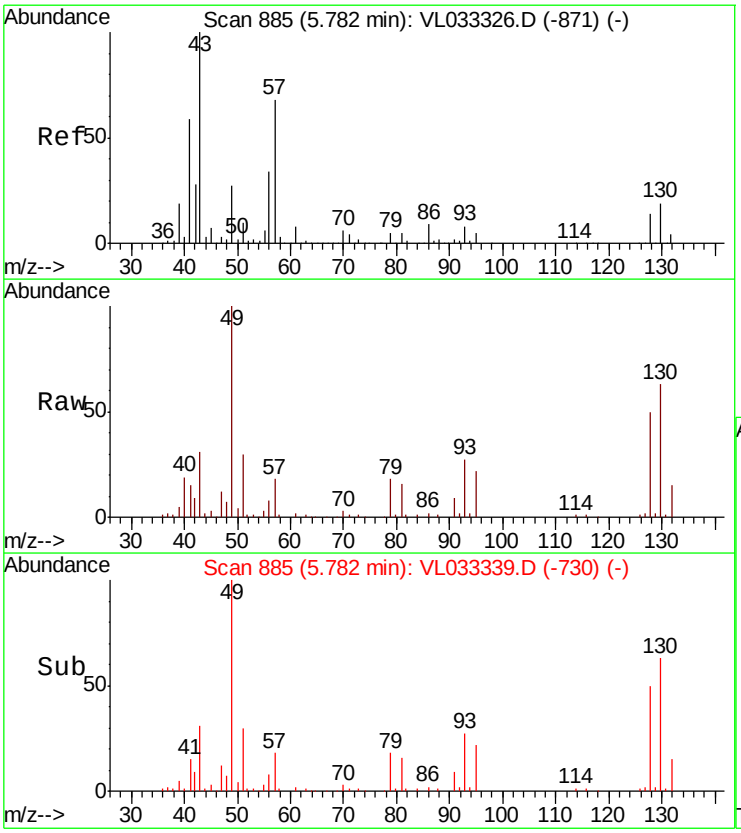
#25
Ethyl Acetate
Concen: 0.406 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 71153

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	8.1	7.4	11.2
70	7.6	5.7	8.5

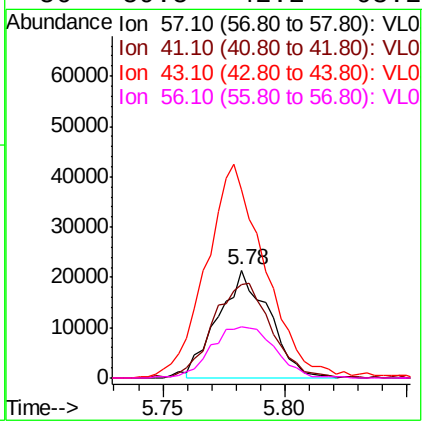


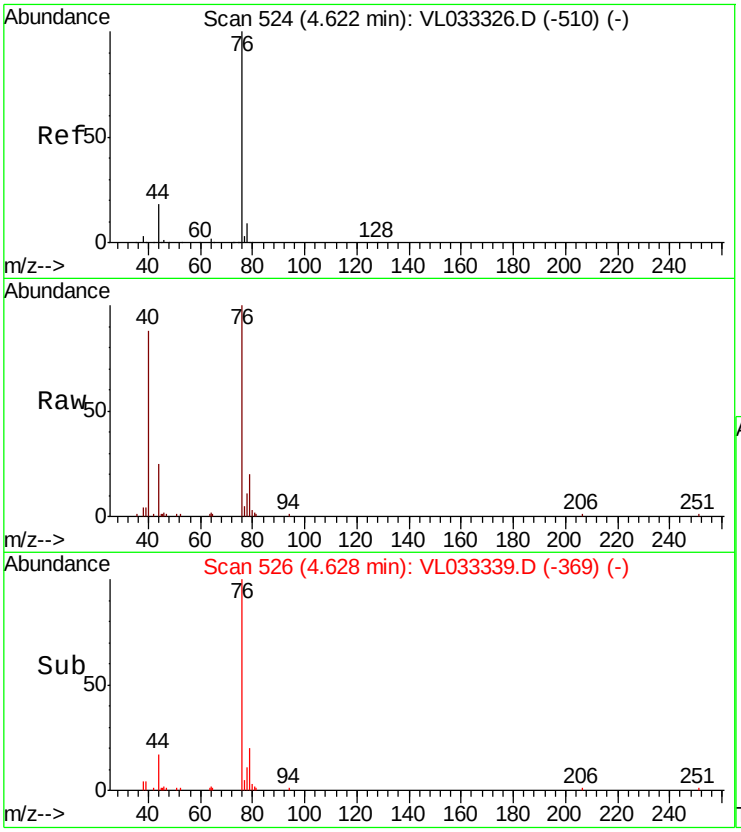


#26
Hexane
Concen: 0.399 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 57 Resp: 31199

Ion	Ratio	Lower	Upper
57	100		
41	101.1	70.5	105.7
43	232.4	181.8	272.8
56	59.5	42.2	63.2



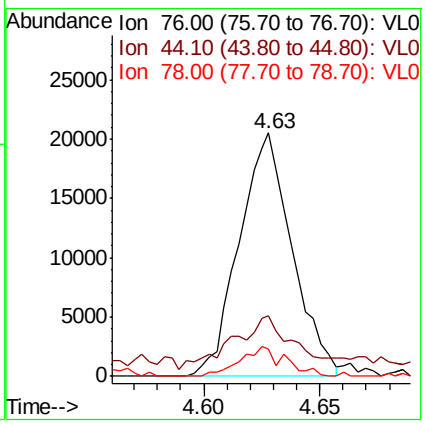


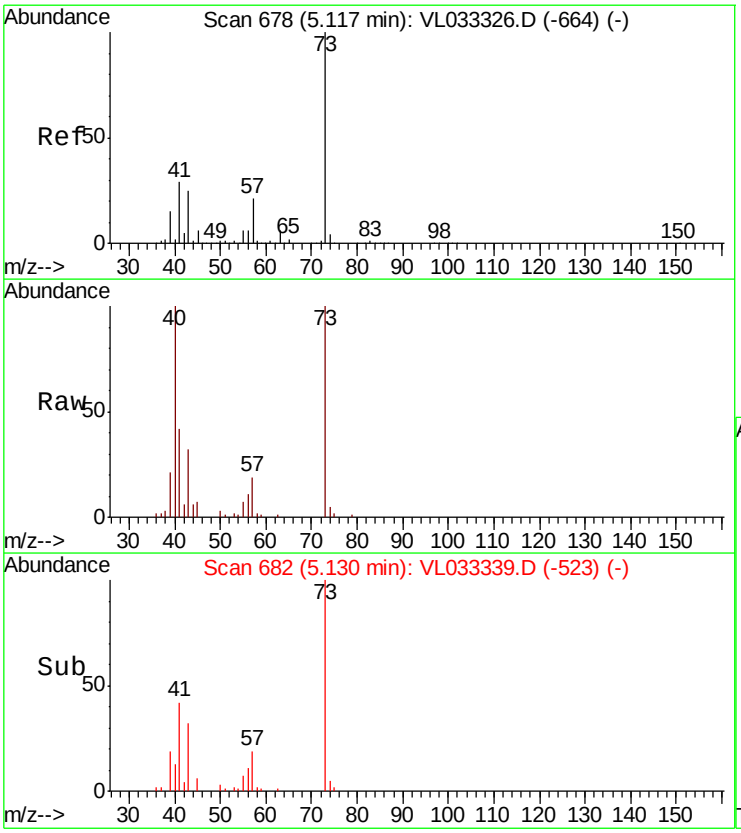
#27
Carbon Disulfide
Concen: 0.360 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 32456

Ion	Ratio	Lower	Upper
76	100		
44	24.3	15.2	22.8#
78	11.0	7.2	10.8#

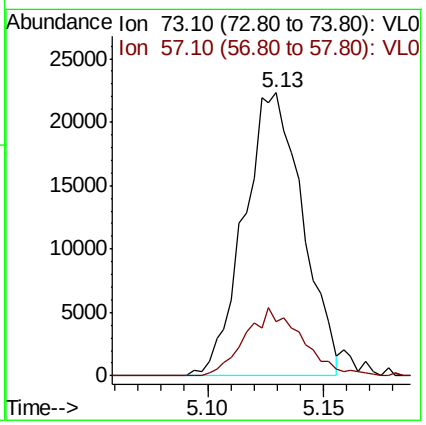


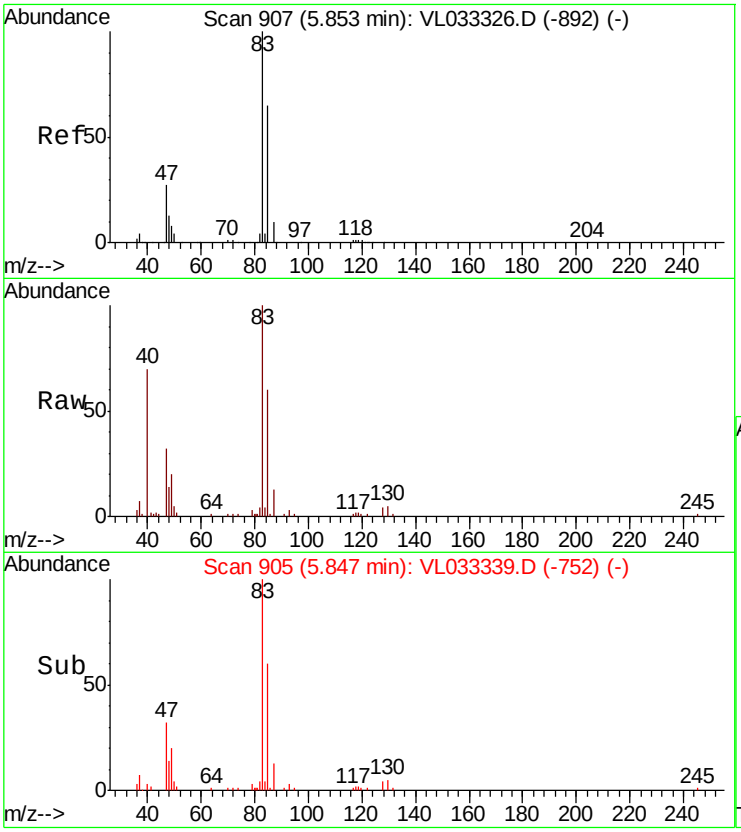


#28
Methyl tert-Butyl Ether
Concen: 0.338 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 73 Resp: 39245

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.4	26.0



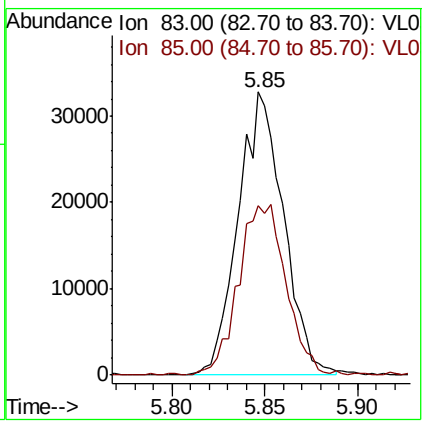


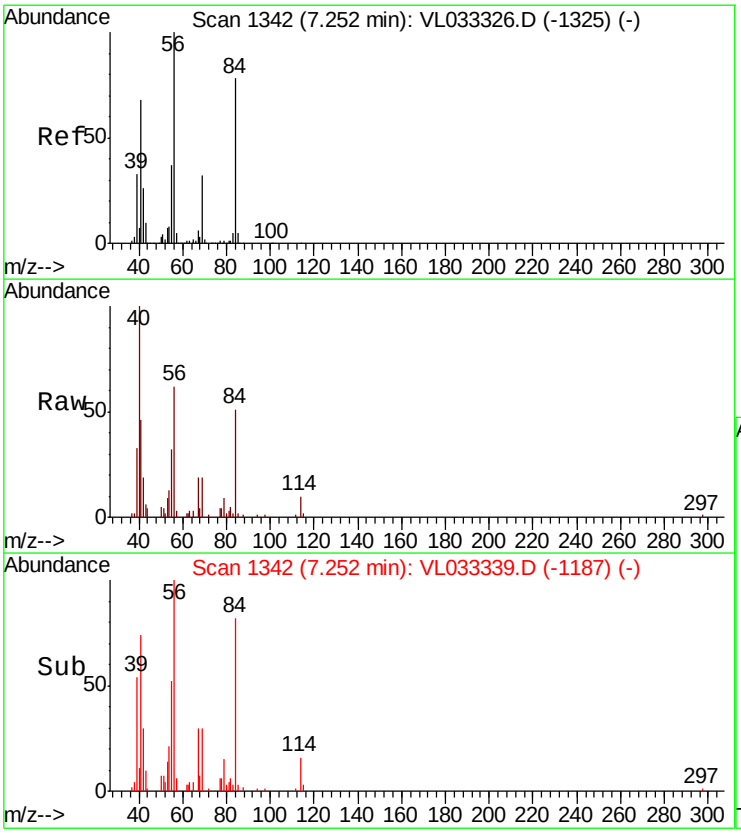
#29
Chloroform
Concen: 0.433 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 55545

Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.0	78.0

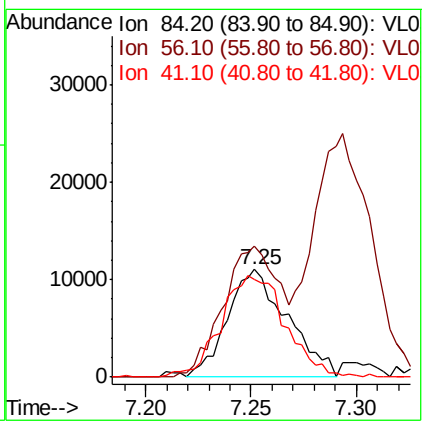


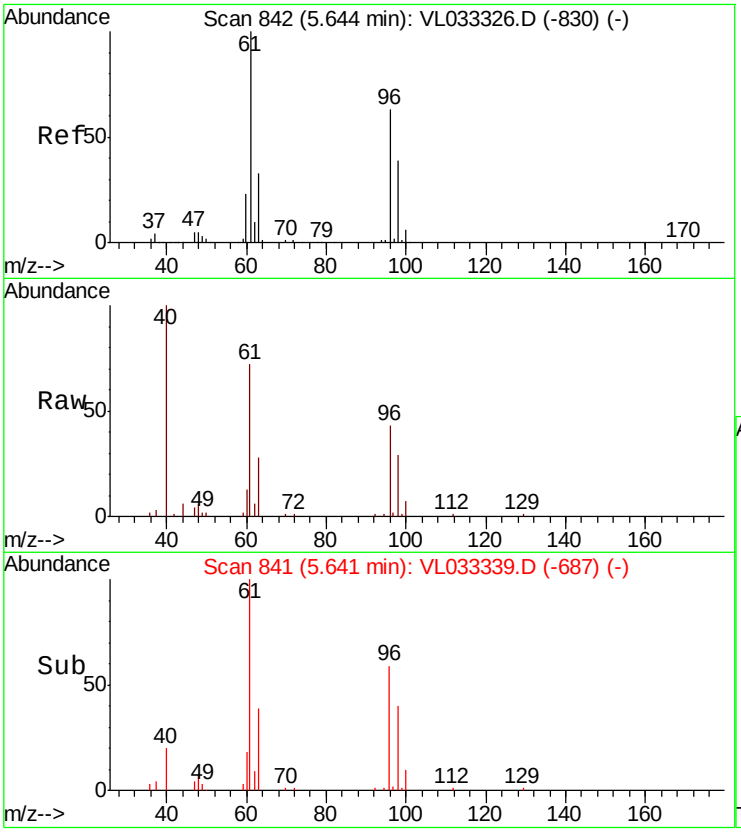


#30
Cyclohexane
Concen: 0.348 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 84 Resp: 21812

Ion	Ratio	Lower	Upper
84	100		
56	113.7	111.3	166.9
41	102.0	69.6	104.4



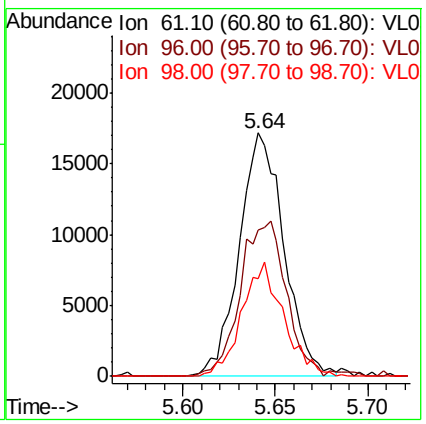


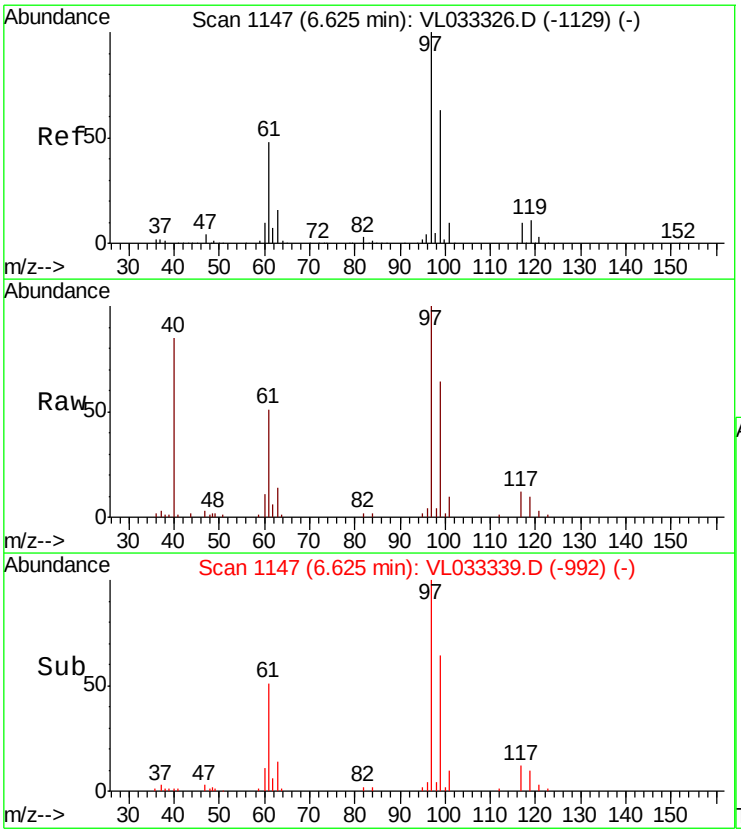
#31
cis-1,2-Dichloroethene
Concen: 0.367 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 28759

Ion	Ratio	Lower	Upper
61	100		
96	60.0	50.3	75.5
98	40.0	31.5	47.3

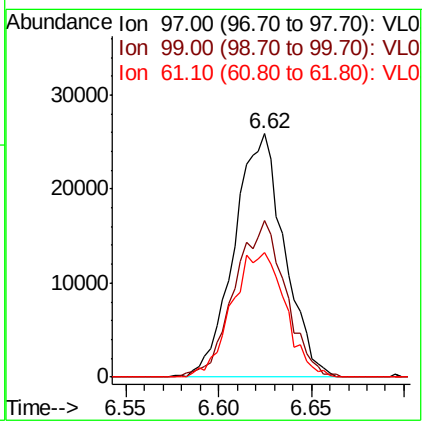


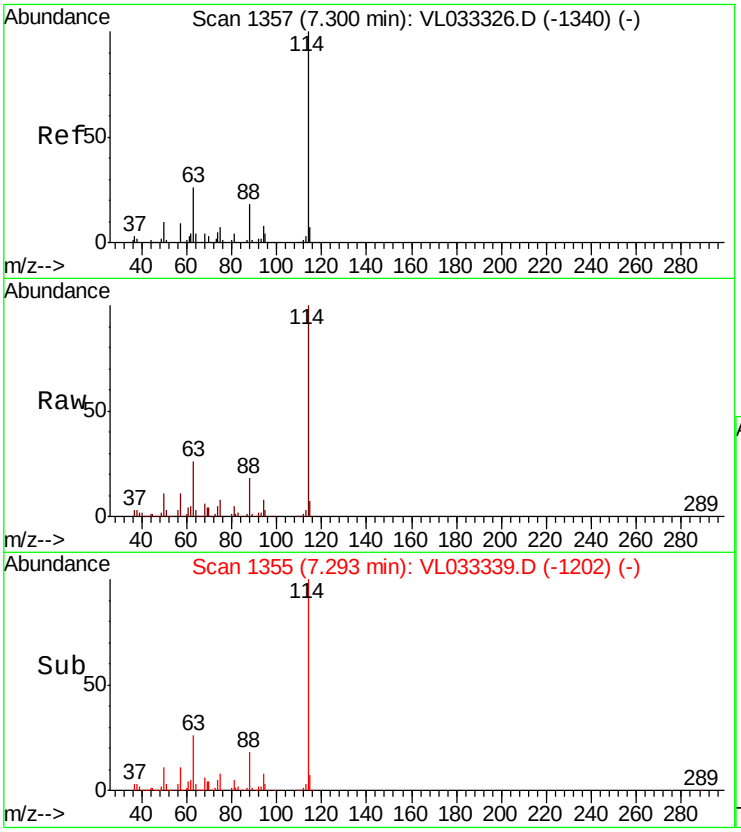


#32
1,1,1-Trichloroethane
Concen: 0.386 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 97 Resp: 48539

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	54.2	39.3	58.9



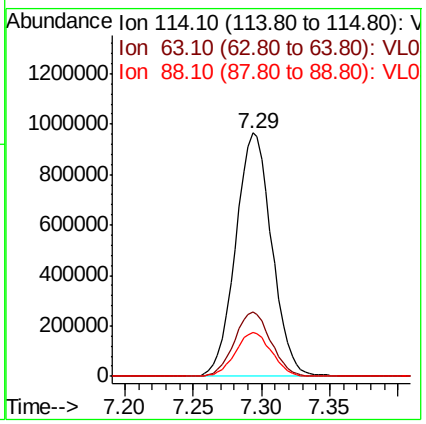


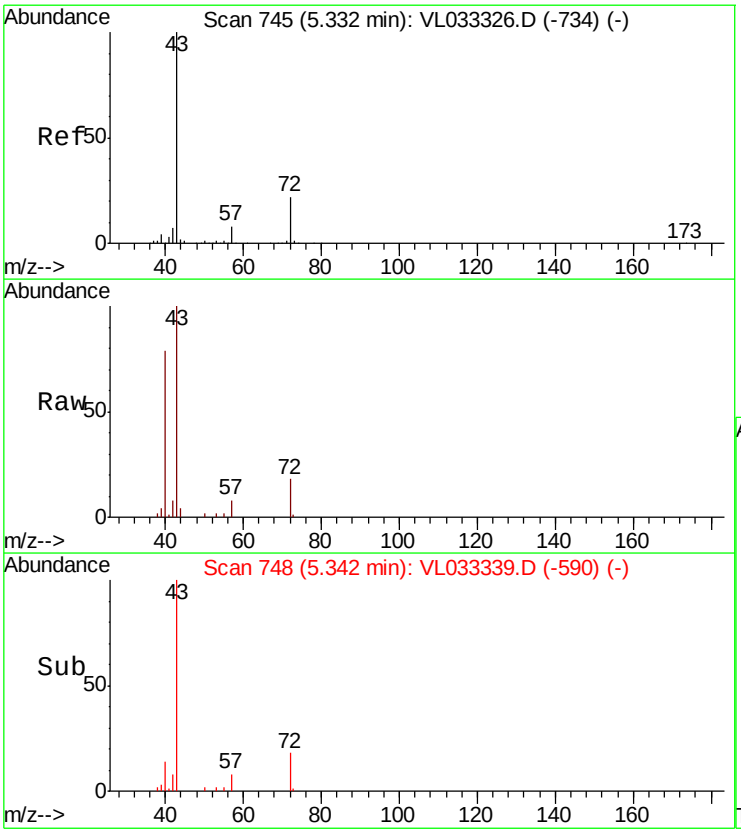
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1774750

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	18.2	14.5	21.7

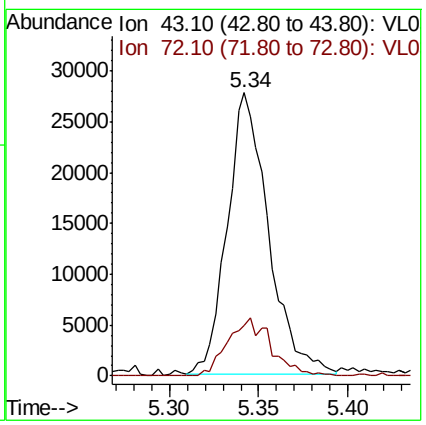


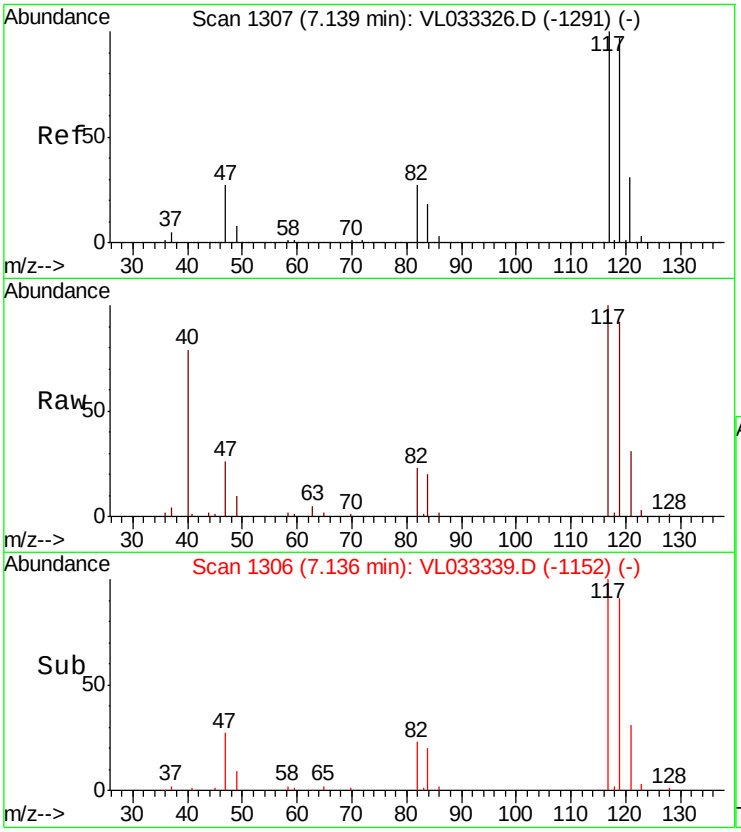


#34
2-Butanone
Concen: 0.381 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 43 Resp: 44391

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.7	26.5



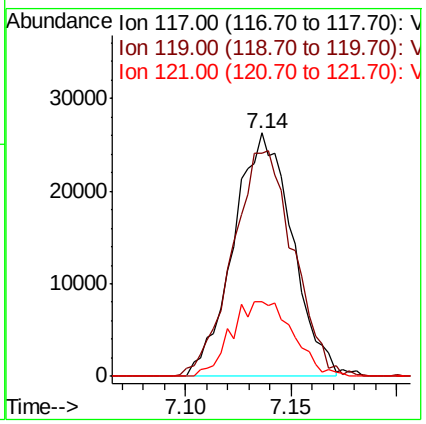


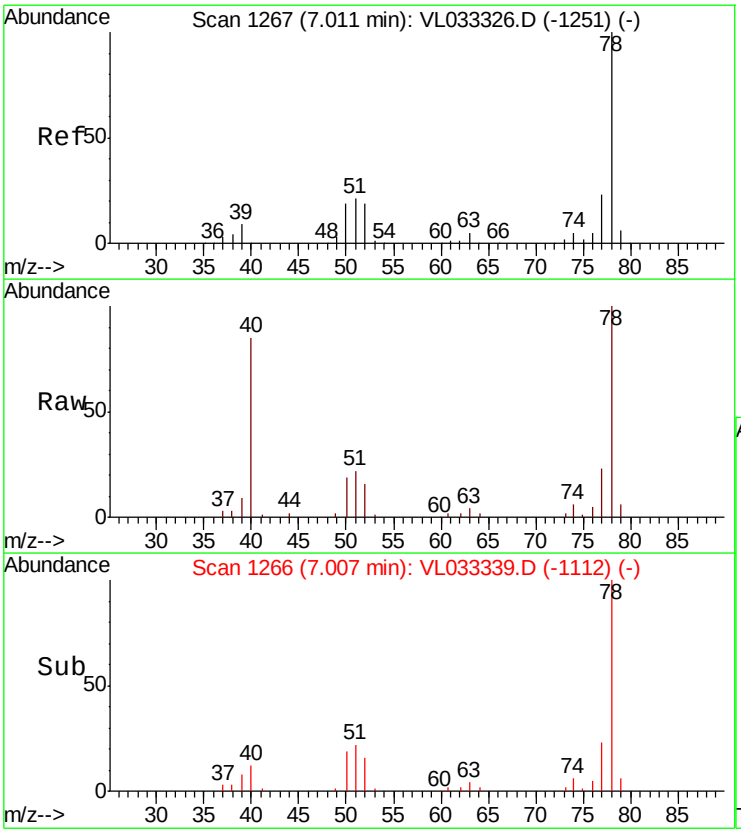
#35
Carbon Tetrachloride
Concen: 0.407 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 50875

Ion	Ratio	Lower	Upper
117	100		
119	88.2	77.4	116.0
121	30.9	24.9	37.3

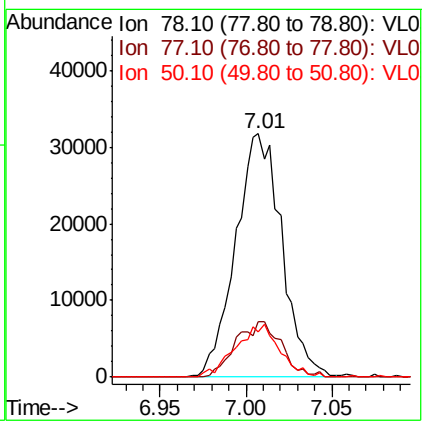


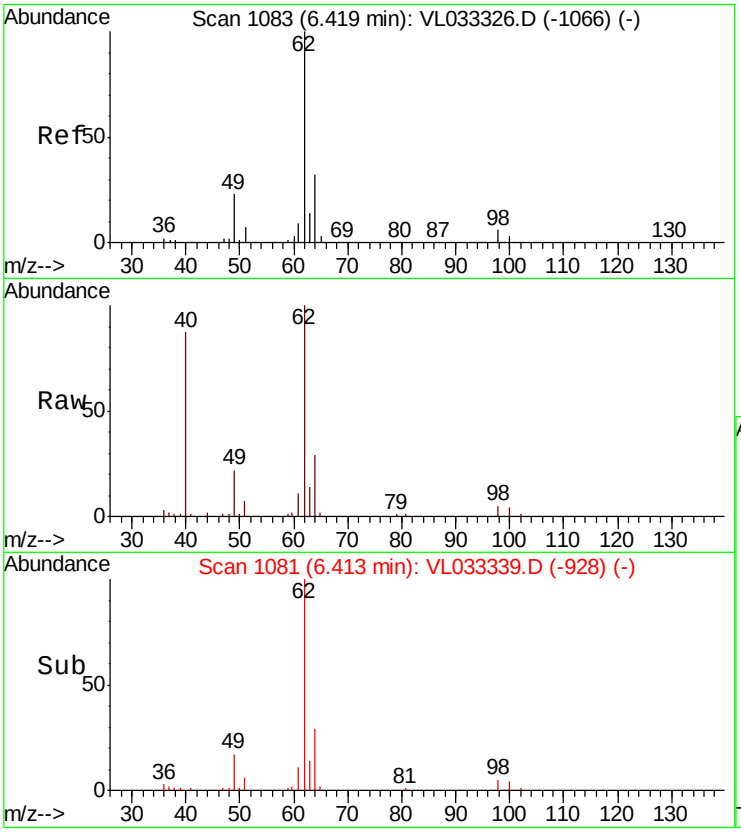


#36
Benzene
Concen: 0.373 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 78 Resp: 59177

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.1	27.1
50	18.6	15.2	22.8



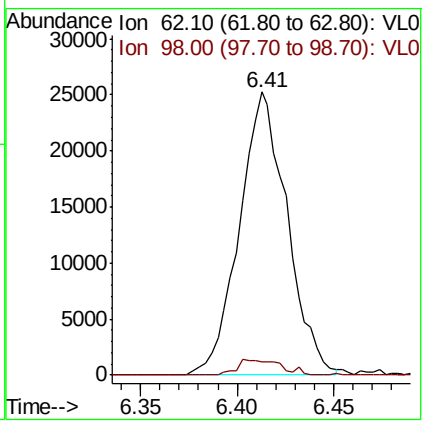


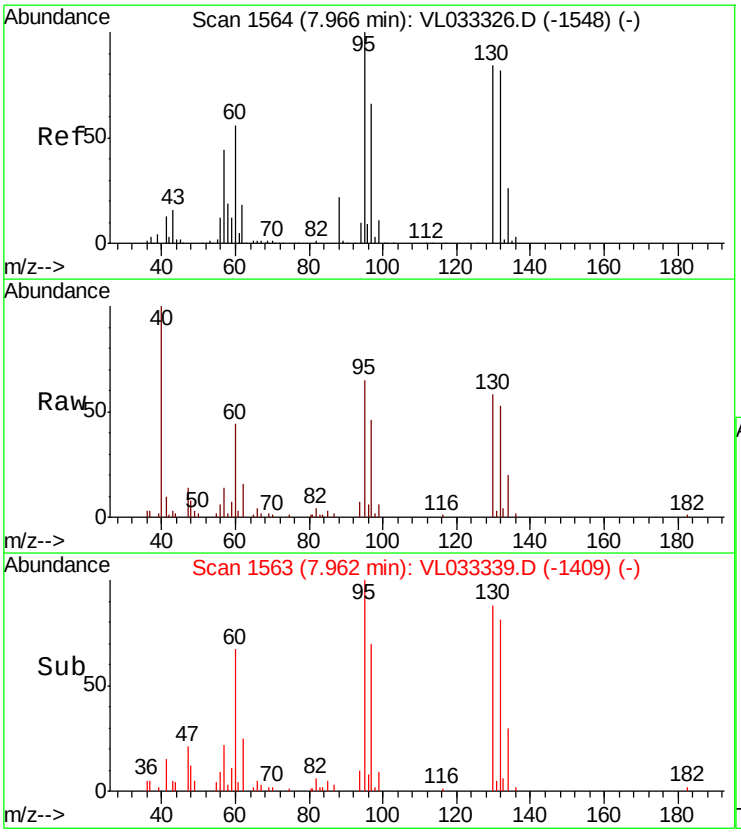
#37
1,2-Dichloroethane
Concen: 0.432 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 43400

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.5	6.7

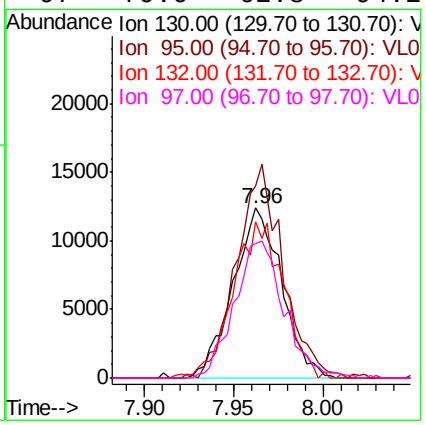


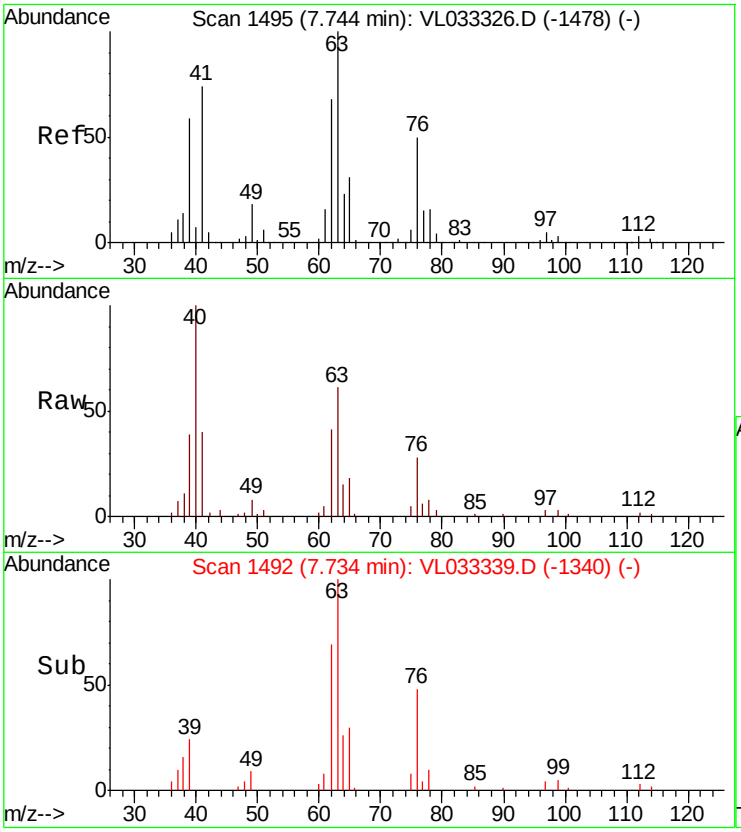


#38
Trichloroethene
Concen: 0.392 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:130 Resp: 23536

Ion	Ratio	Lower	Upper
130	100		
95	111.0	95.2	142.8
132	98.4	77.7	116.5
97	79.0	62.8	94.2



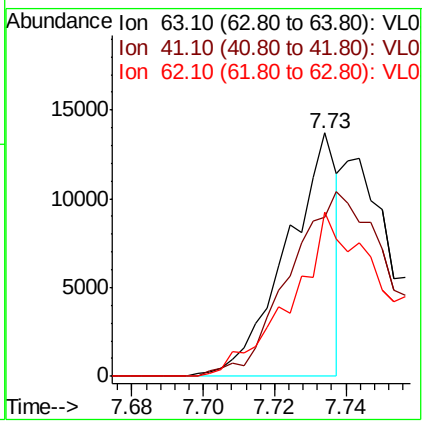


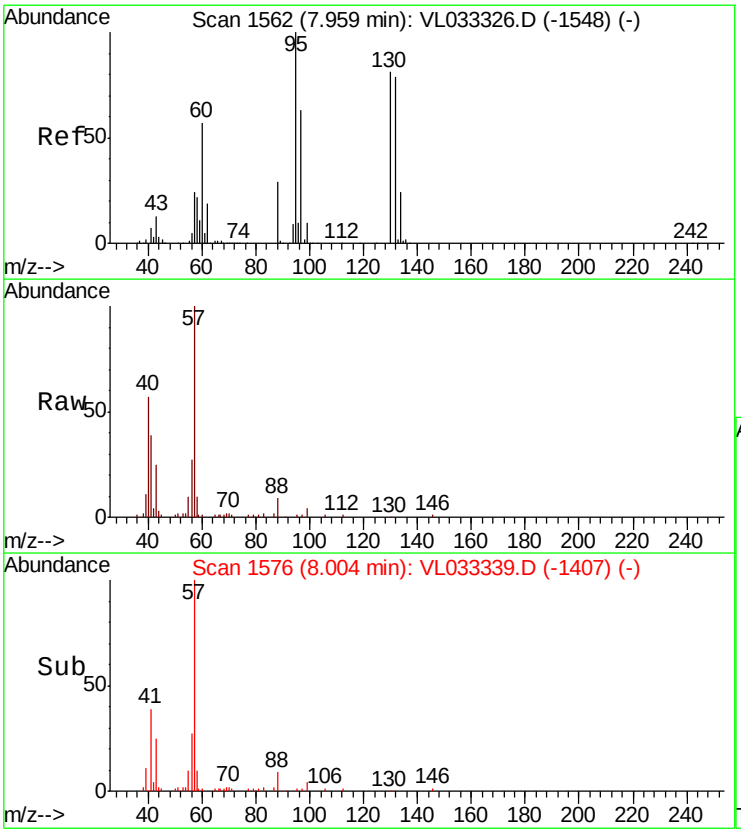
#39
1,2-Dichloropropane
Concen: 0.225 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 13390

Ion	Ratio	Lower	Upper
63	100		
41	65.3	59.5	89.3
62	67.4	54.7	82.1

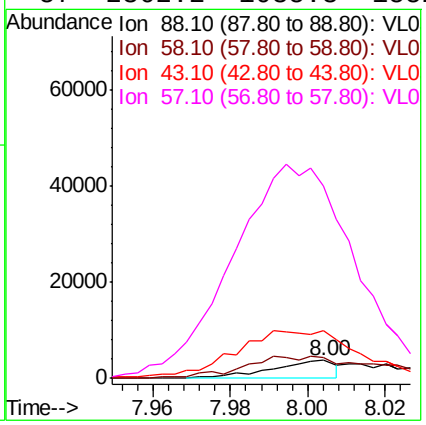


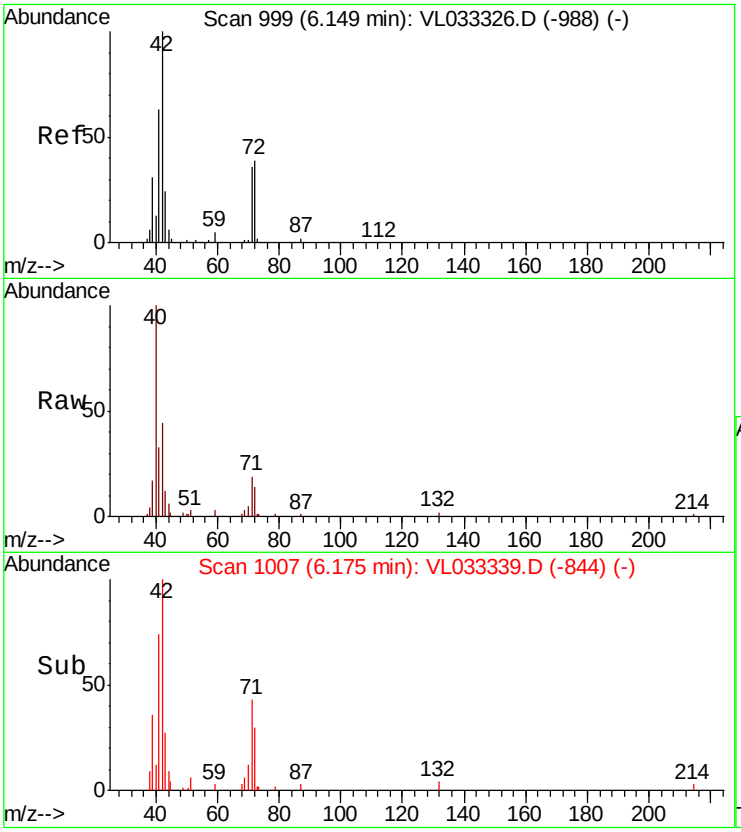


#40
1,4-Dioxane
Concen: 0.200 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.04 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 88 Resp: 4194

Ion	Ratio	Lower	Upper
88	100		
58	305.5	107.9	161.9#
43	561.0	230.8	346.2#
57	2362.2	1035.3	1552.9#



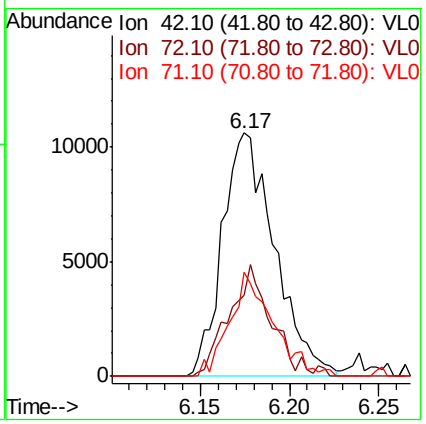


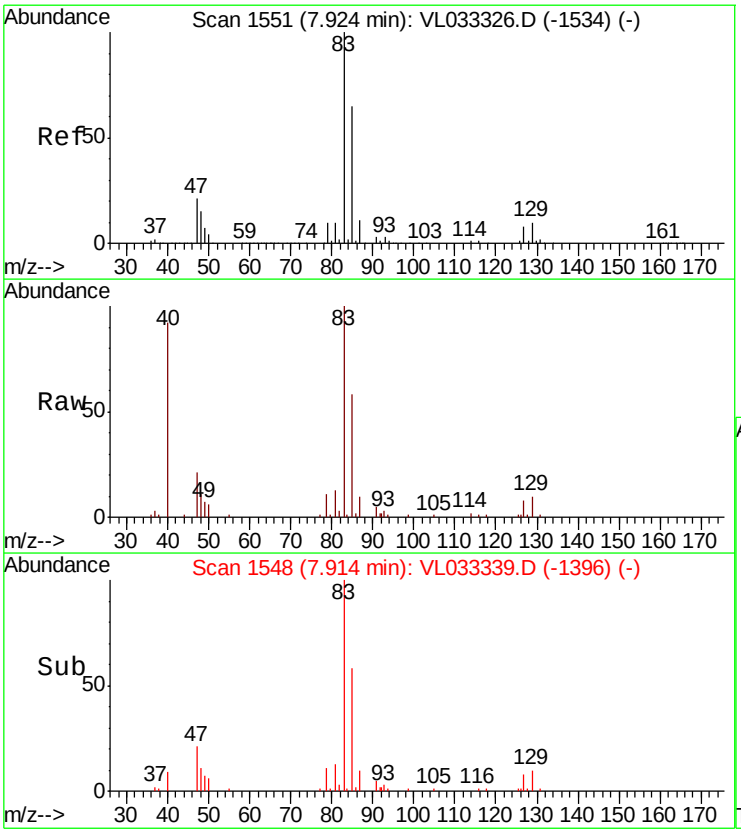
#41
Tetrahydrofuran
Concen: 0.348 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 21645

Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.6	47.4
71	35.7	29.9	44.9

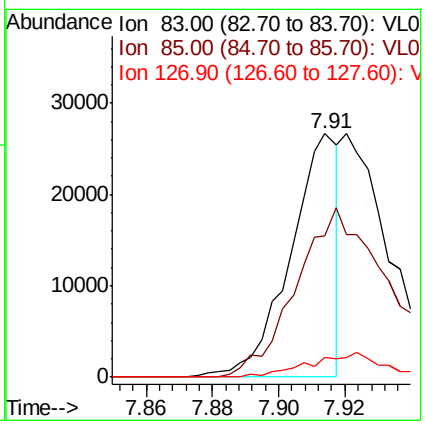


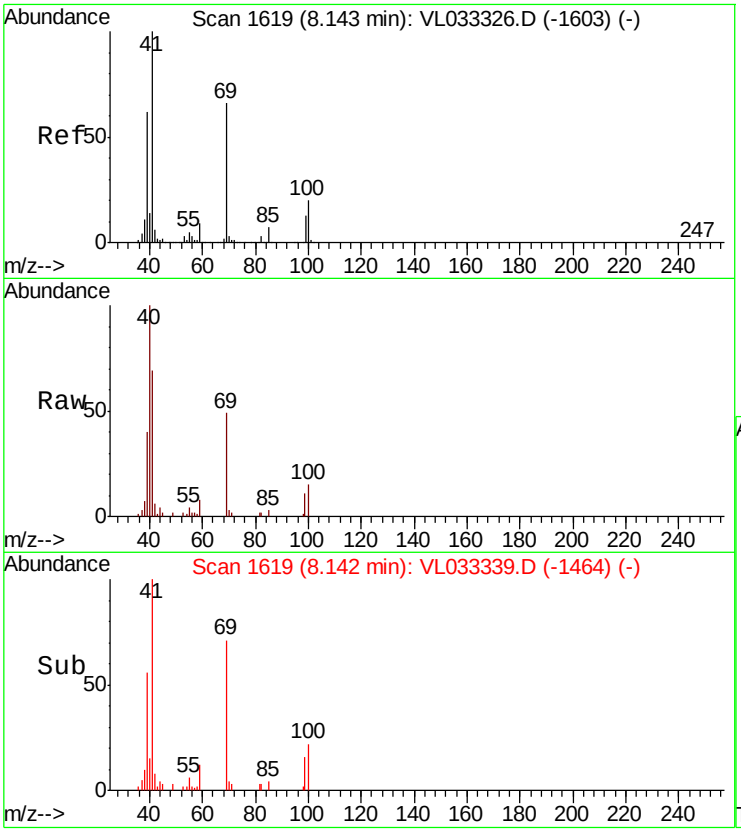


#42
Bromodichloromethane
Concen: 0.200 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 83 Resp: 26881

Ion	Ratio	Lower	Upper
83	100		
85	58.1	51.8	77.6
127	8.2	6.2	9.2



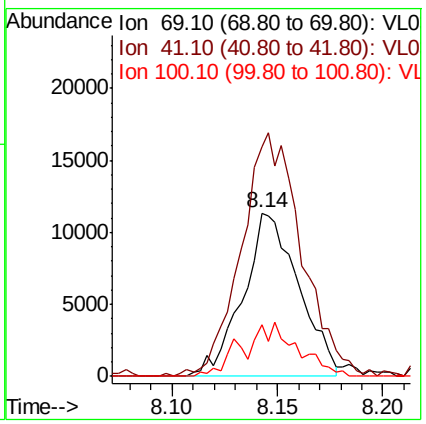


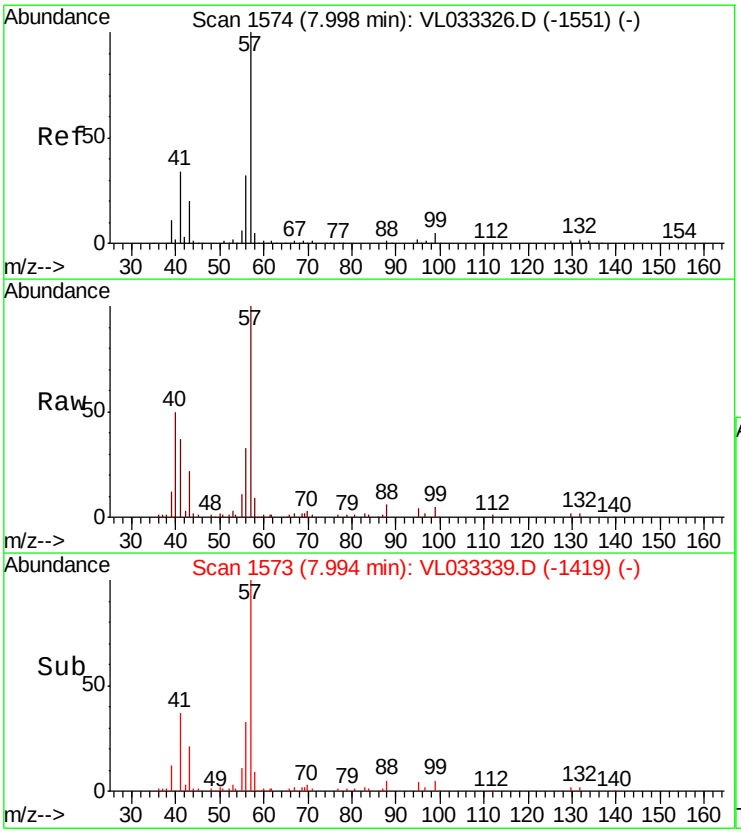
#43
Methyl Methacrylate
Concen: 0.337 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 20872

Ion	Ratio	Lower	Upper
69	100		
41	162.3	119.5	179.3
100	31.9	24.4	36.6

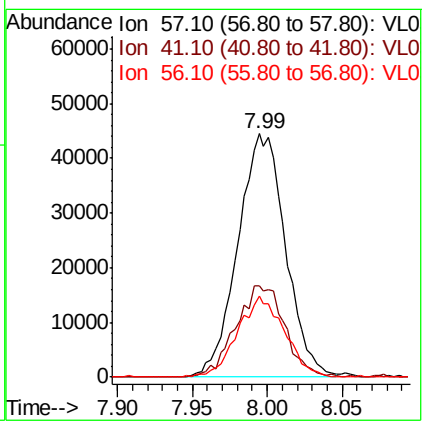


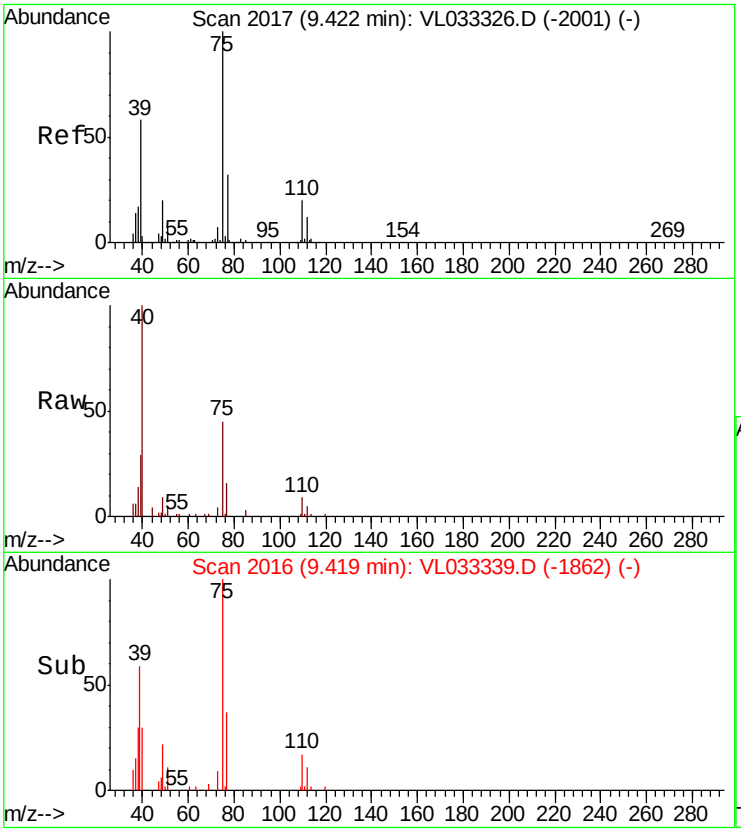


#44
2,2,4-Trimethylpentane
Concen: 0.375 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 57 Resp: 98619

Ion	Ratio	Lower	Upper
57	100		
41	38.6	26.0	39.0
56	32.7	24.6	36.8



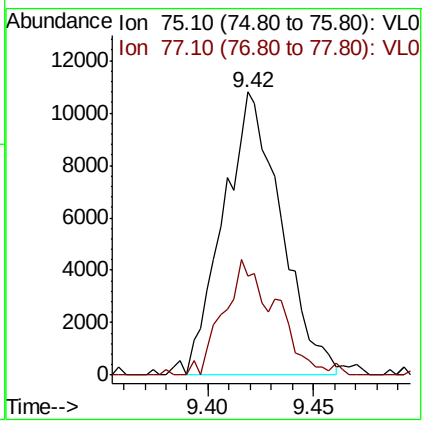


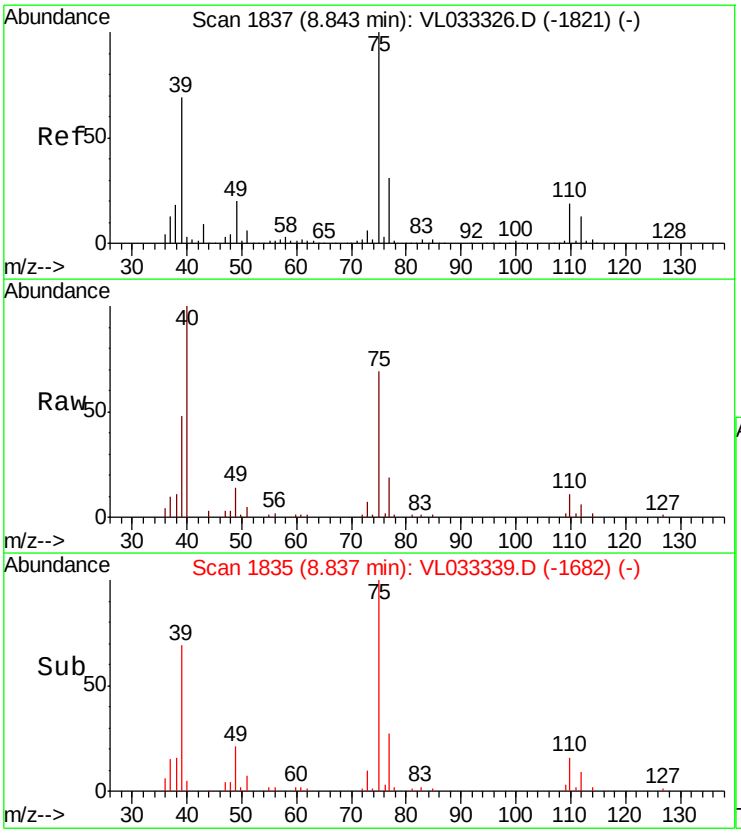
#45
t-1,3-Dichloropropene
Concen: 0.269 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 20575

Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.5	38.3

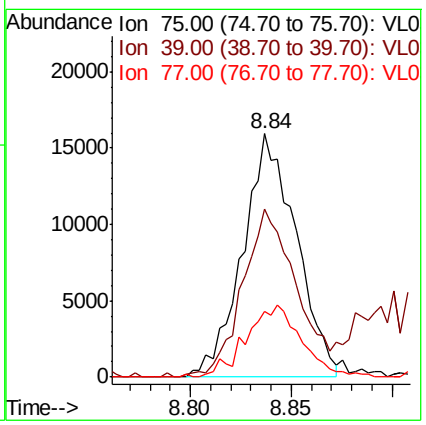


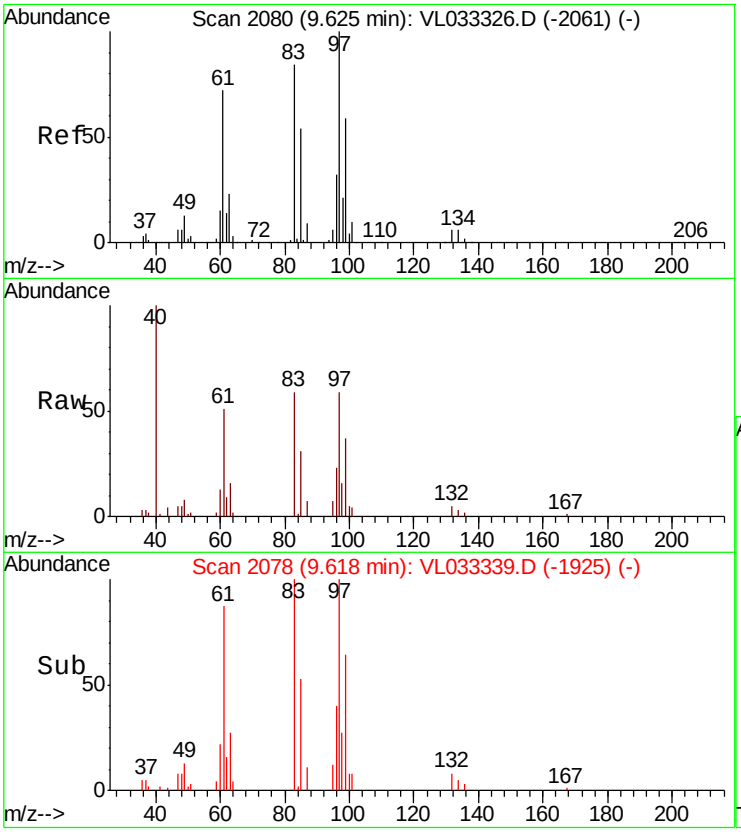


#46
cis-1,3-Dichloropropene
Concen: 0.328 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 75 Resp: 29507

Ion	Ratio	Lower	Upper
75	100		
39	67.9	55.0	82.6
77	25.6	24.5	36.7



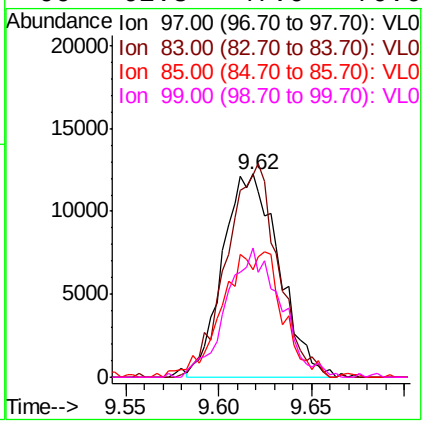


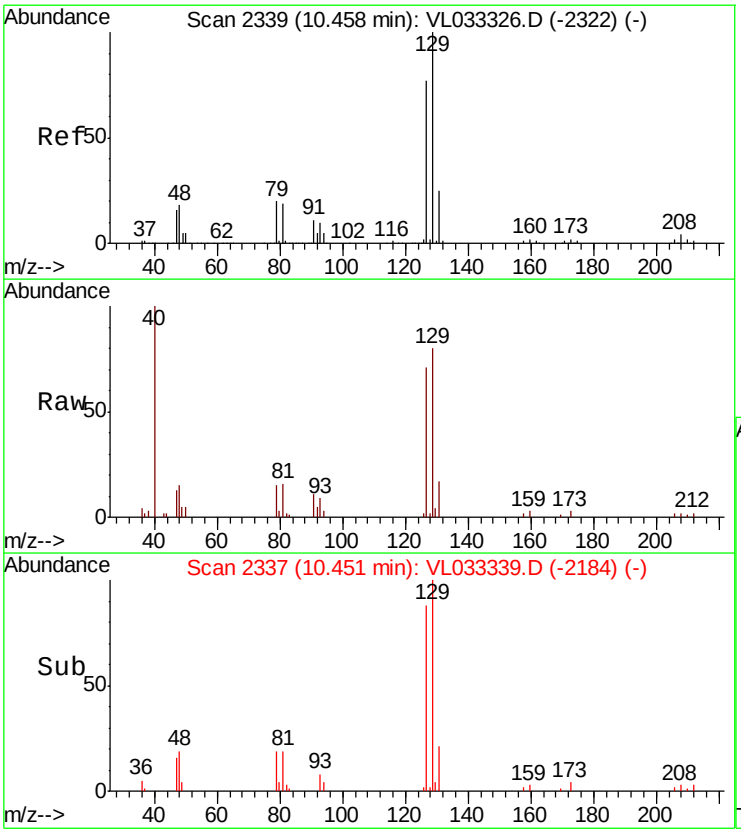
#47
1,1,2-Trichloroethane
Concen: 0.392 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 25790

Ion	Ratio	Lower	Upper
97	100		
83	99.7	67.4	101.0
85	53.1	43.0	64.4
99	62.3	47.0	70.6

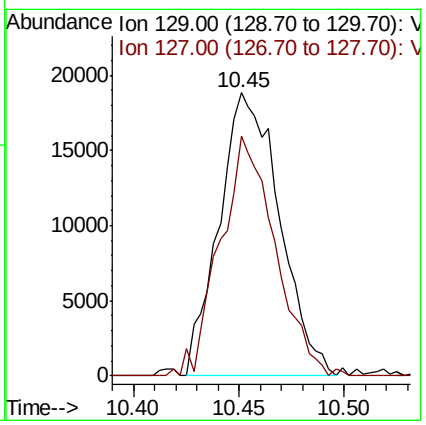


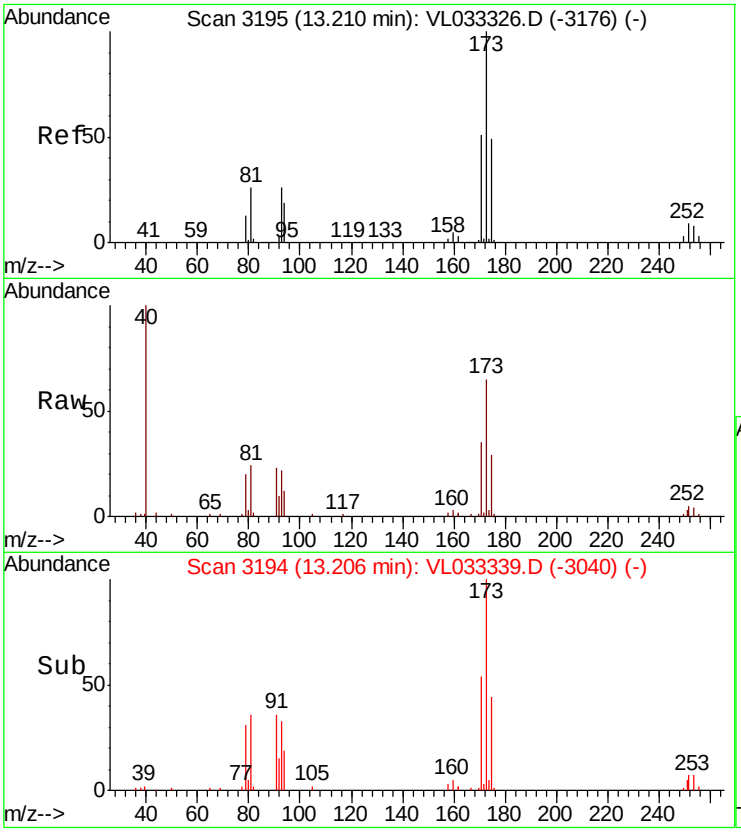


#48
Dibromochloromethane
Concen: 0.341 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:129 Resp: 37608

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.9	116.6



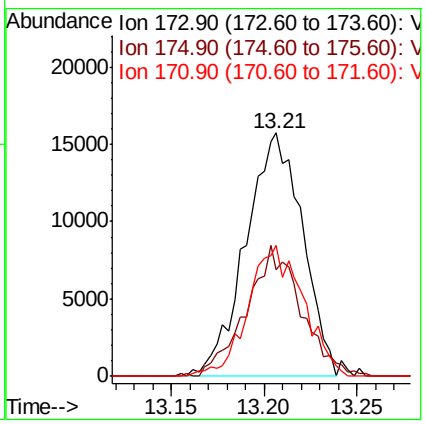


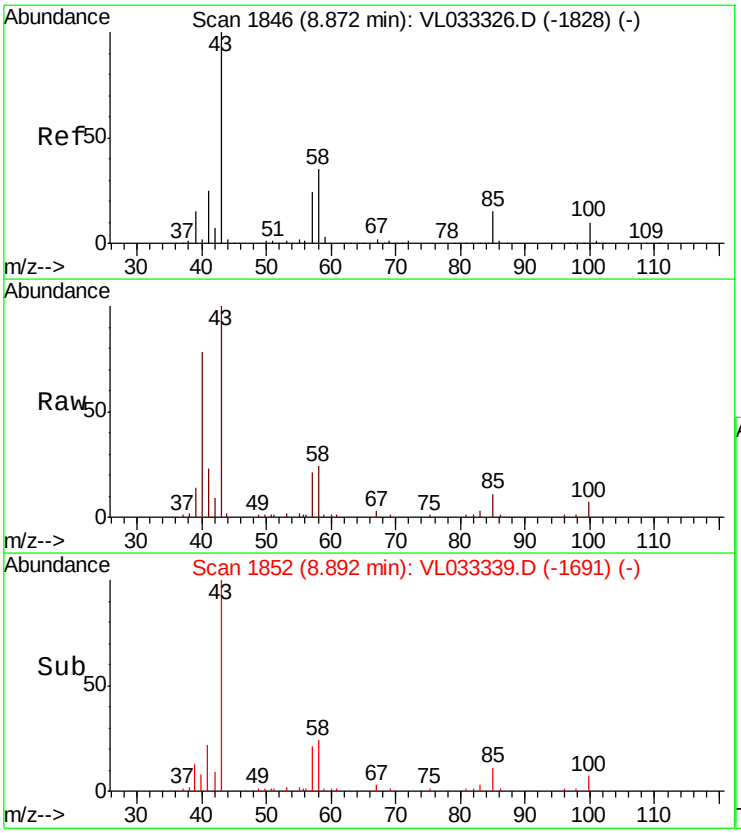
#49
Bromoform
Concen: 0.321 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 33528

Ion	Ratio	Lower	Upper
173	100		
175	51.7	39.0	58.6
171	52.2	41.7	62.5

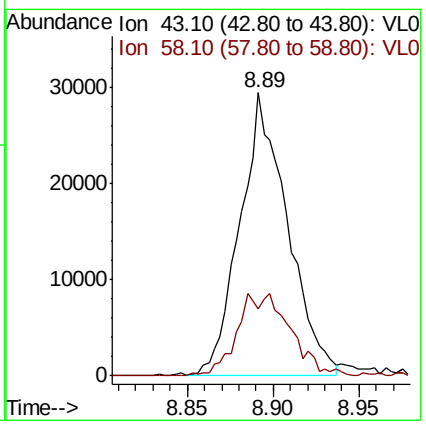


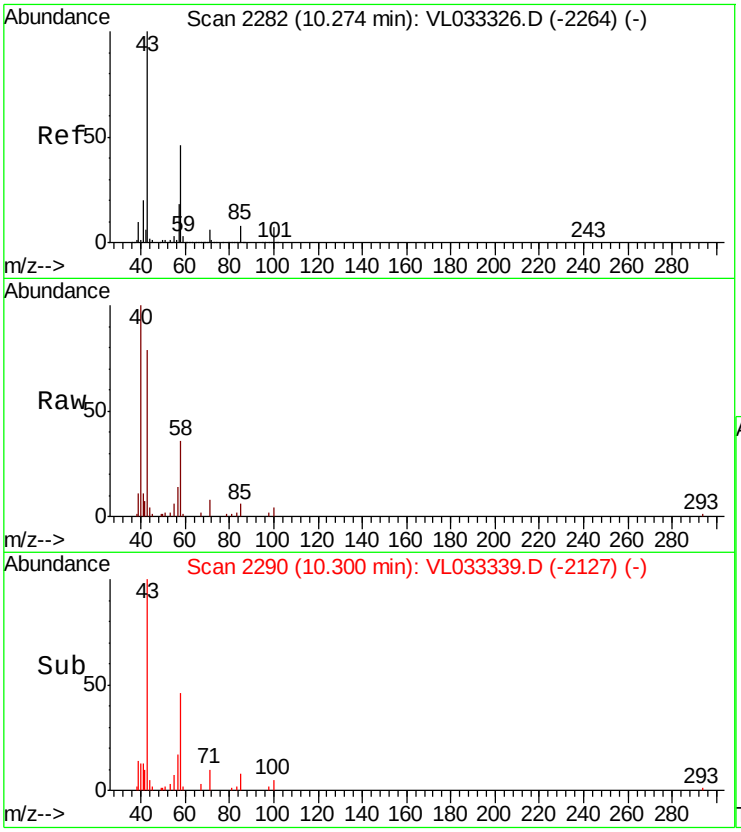


#50
4-Methyl-2-Pentanone
Concen: 0.344 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 43 Resp: 56592

Ion	Ratio	Lower	Upper
43	100		
58	33.1	28.4	42.6



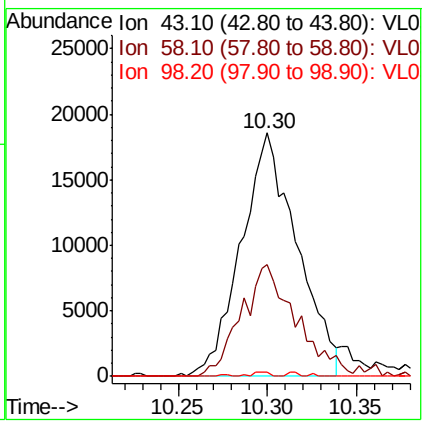


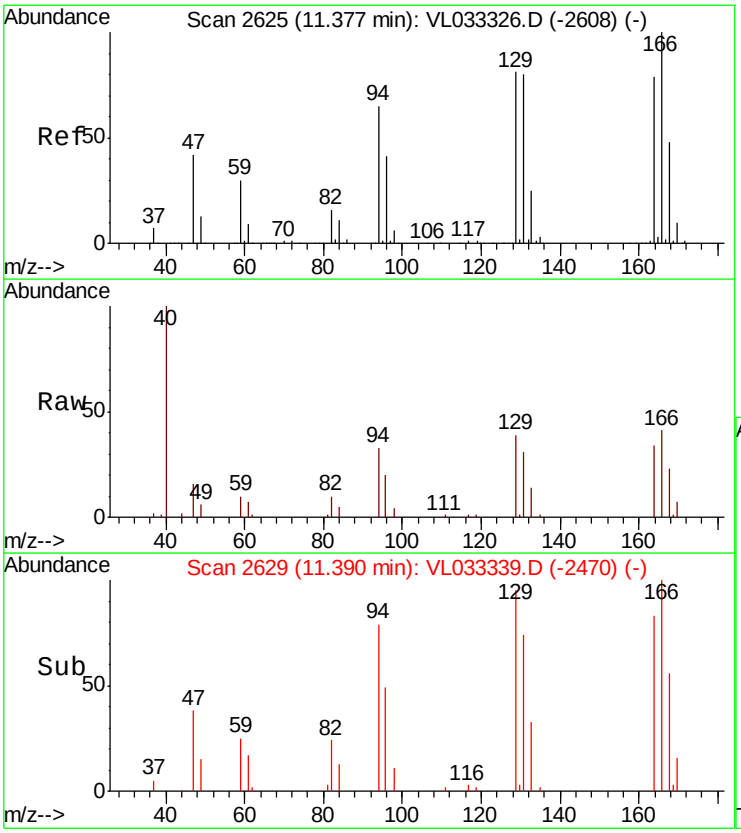
#51
2-Hexanone
Concen: 0.319 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.03 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 40554

Ion	Ratio	Lower	Upper
43	100		
58	46.3	38.0	57.0
98	0.7	0.1	0.1#

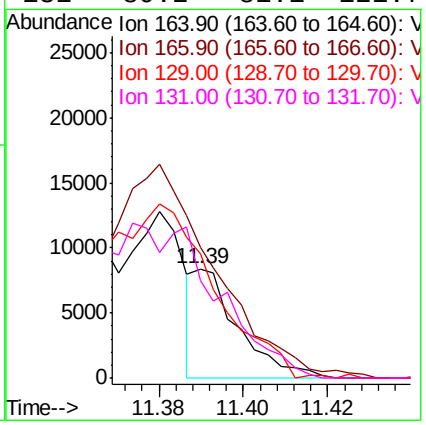


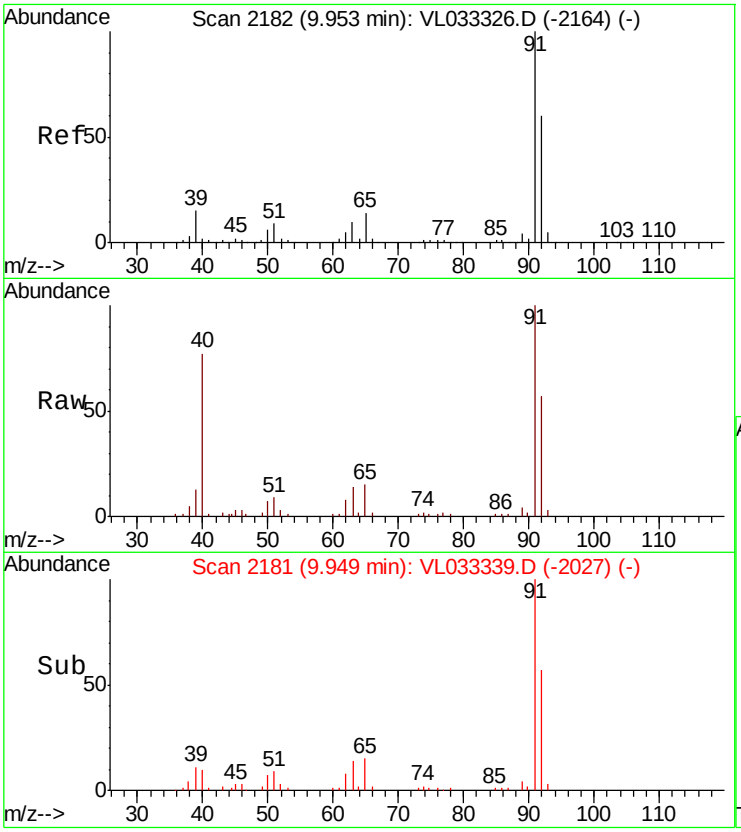


#52
Tetrachloroethene
Concen: 0.091 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:164 Resp: 6019

Ion	Ratio	Lower	Upper
164	100		
166	113.4	101.5	152.3
129	113.9	82.2	123.2
131	89.2	81.1	121.7



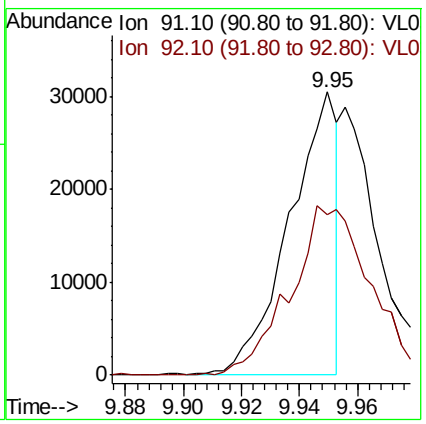


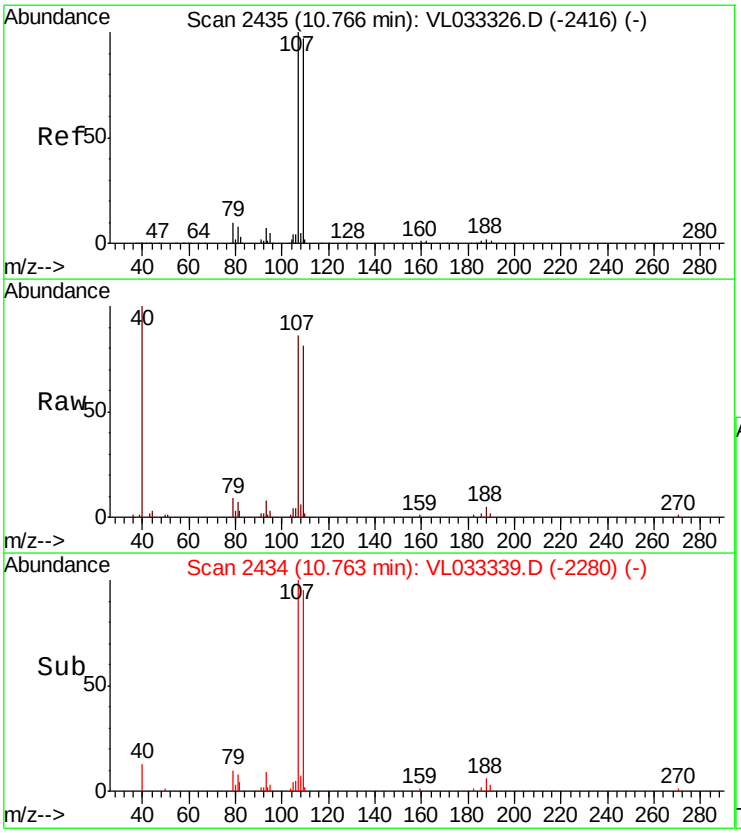
#53
Toluene
Concen: 0.194 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 35076

Ion	Ratio	Lower	Upper
91	100		
92	100.6	47.4	71.0#

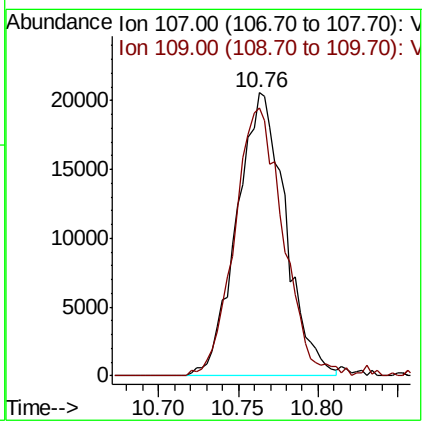


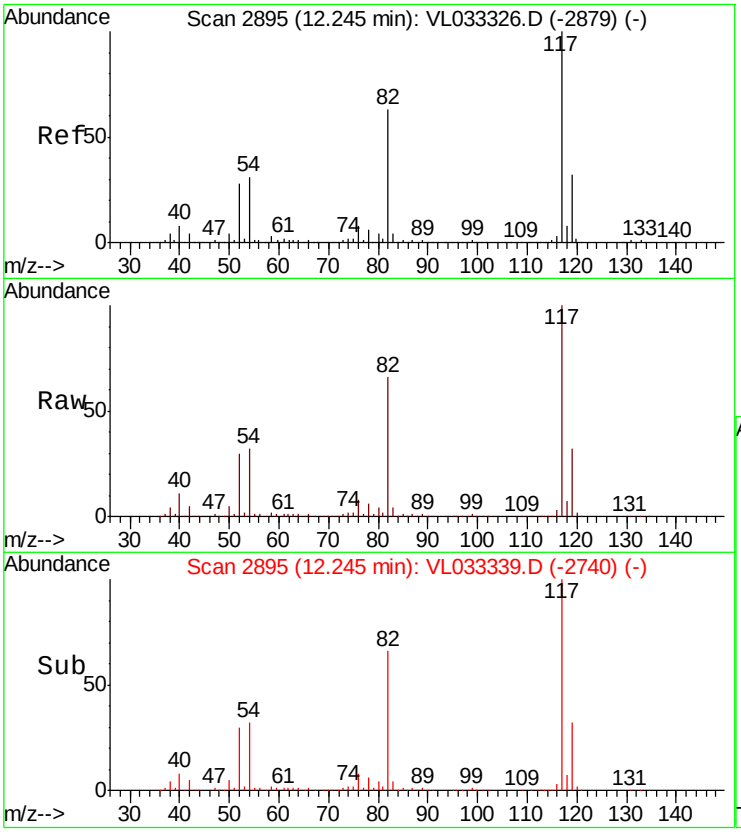


#54
1,2-Dibromoethane
Concen: 0.384 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:107 Resp: 42652

Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.2	115.8



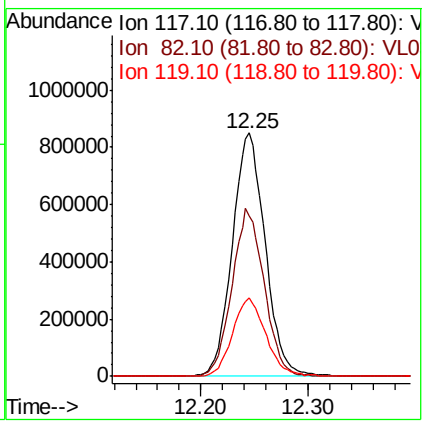


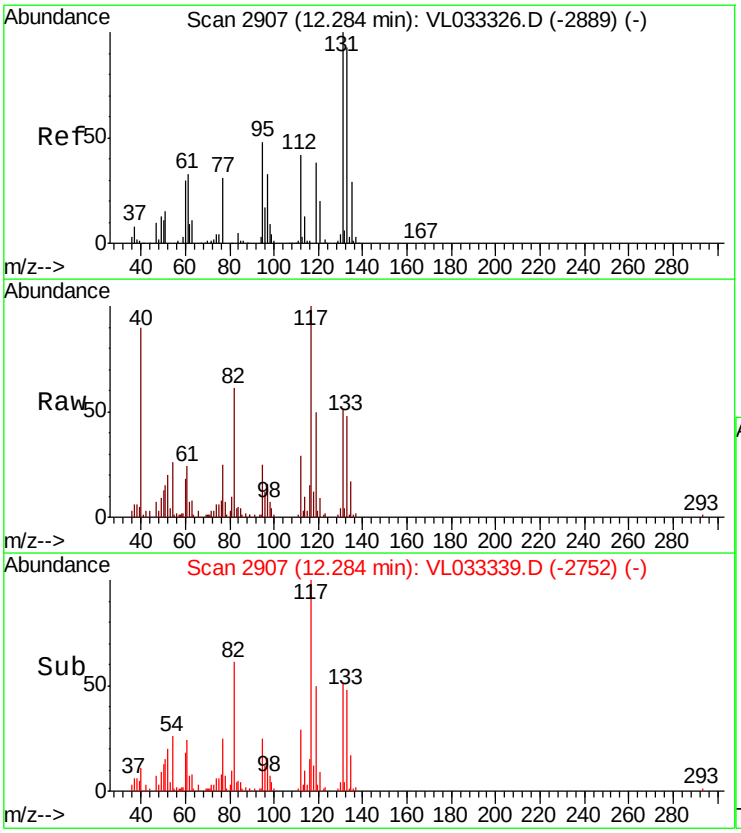
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1804055

Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.4	80.2
119	32.7	27.3	40.9

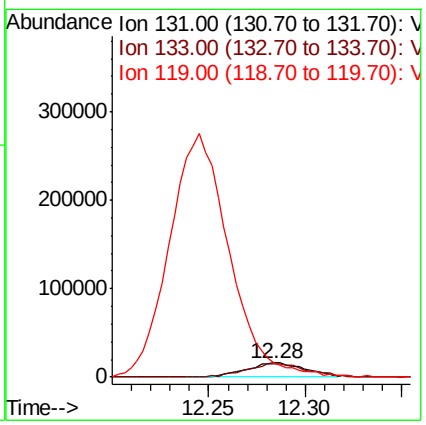


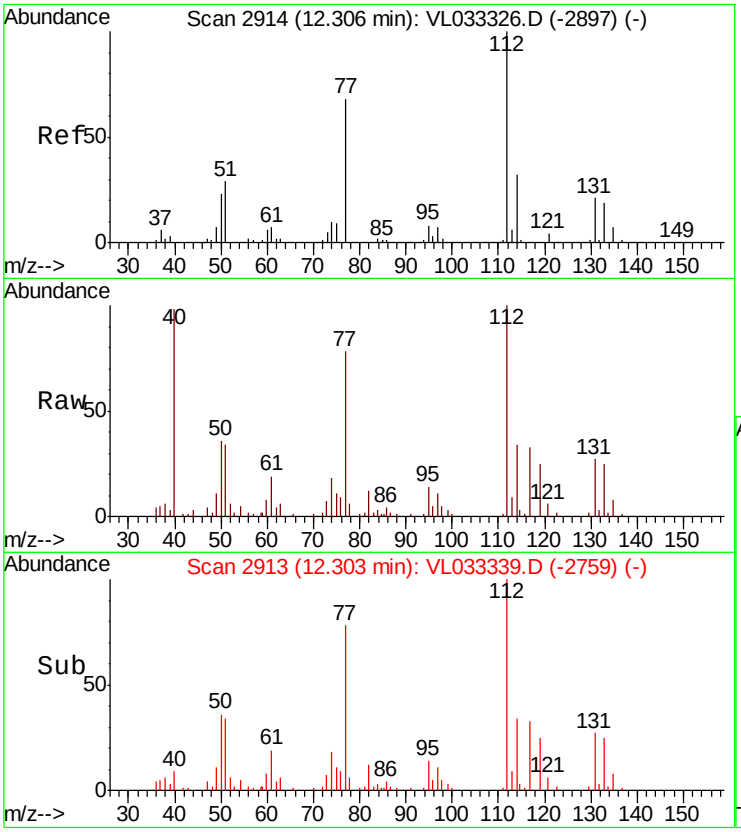


#56
1,1,1,2-Tetrachloroethane
Concen: 0.419 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:131 Resp: 33796

Ion	Ratio	Lower	Upper
131	100		
133	98.4	76.7	115.1
119	1752.4	40.3	60.5#



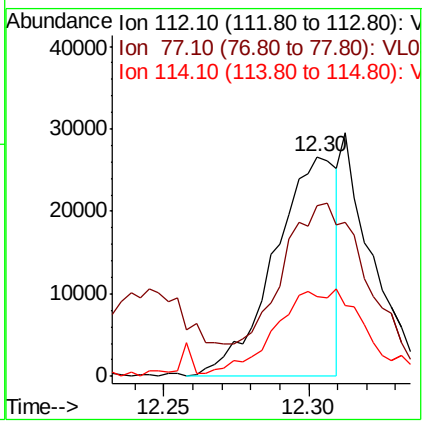


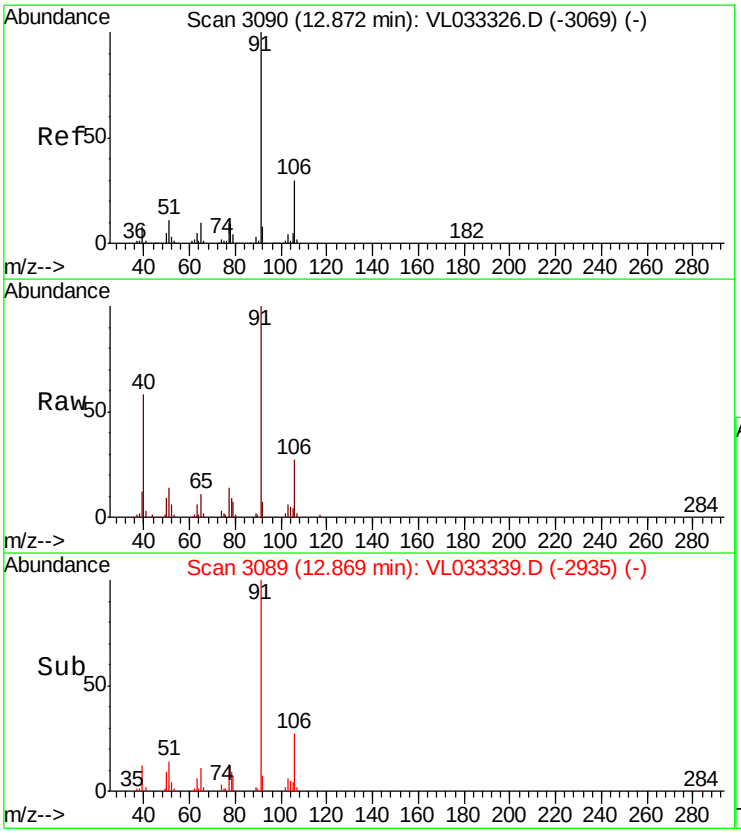
#57
Chlorobenzene
Concen: 0.277 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 39562

Ion	Ratio	Lower	Upper
112	100		
77	56.6	55.8	83.6
114	20.9	28.6	35.0#

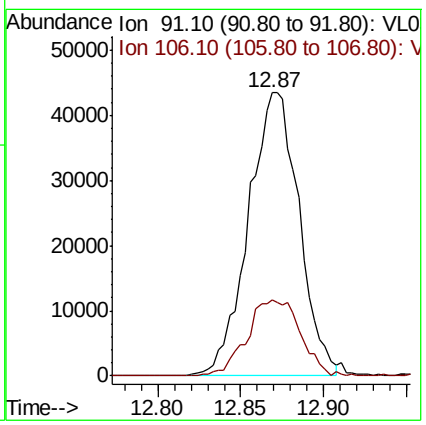


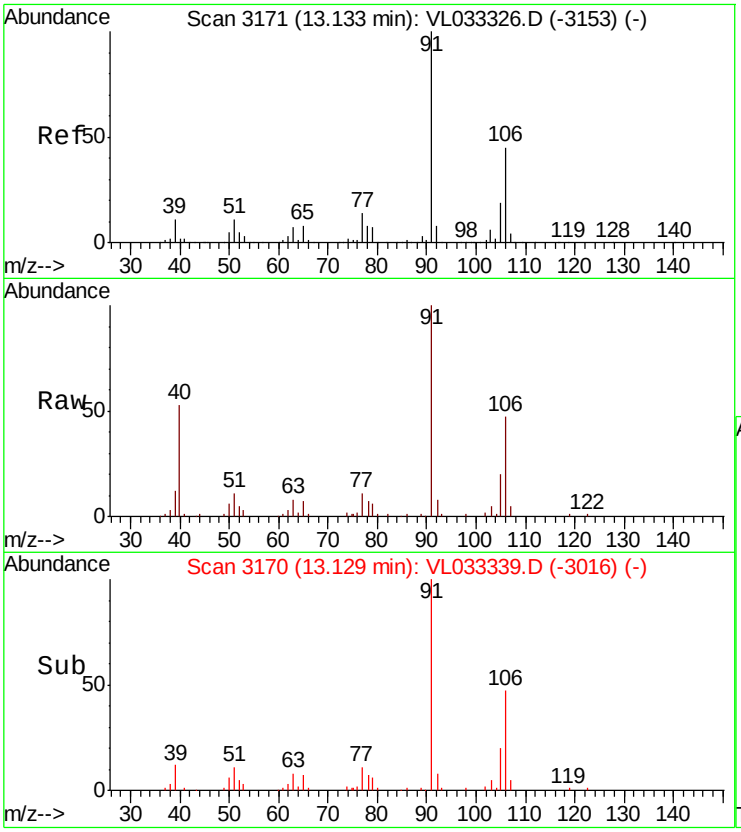


#58
Ethyl Benzene
Concen: 0.362 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 91 Resp: 92386

Ion	Ratio	Lower	Upper
91	100		
106	27.0	24.2	36.2



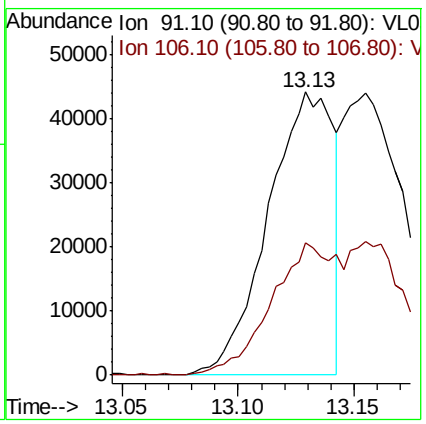


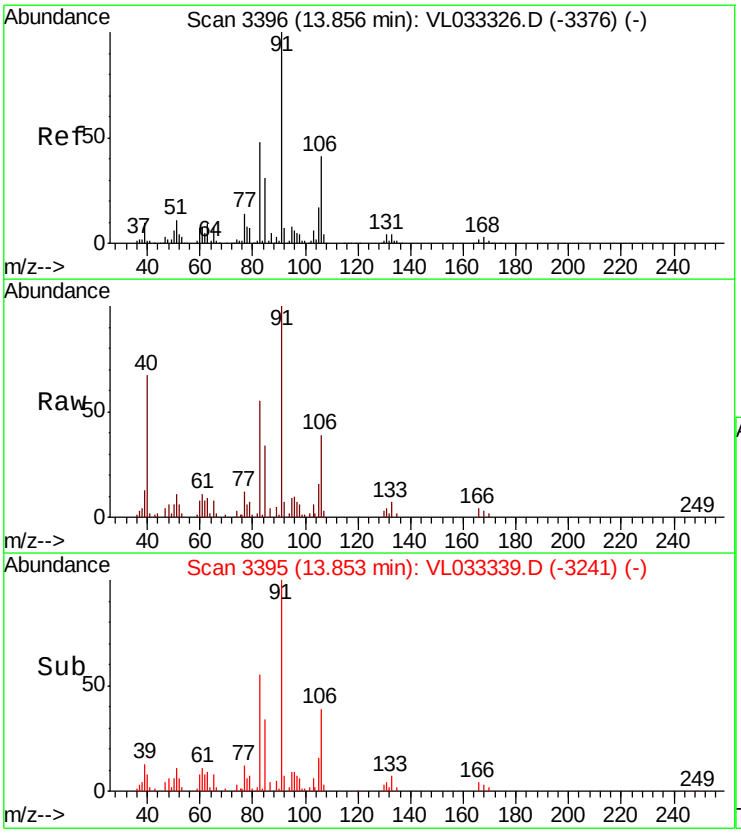
#59
m/p-Xylene
Concen: 0.394 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 86426

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

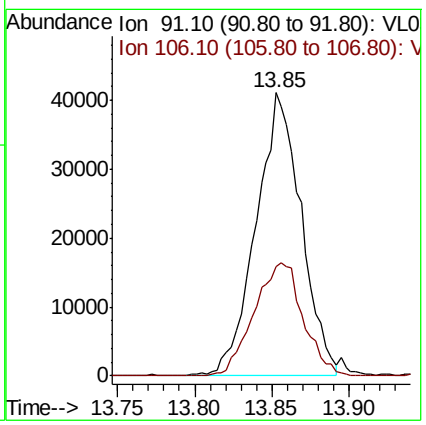


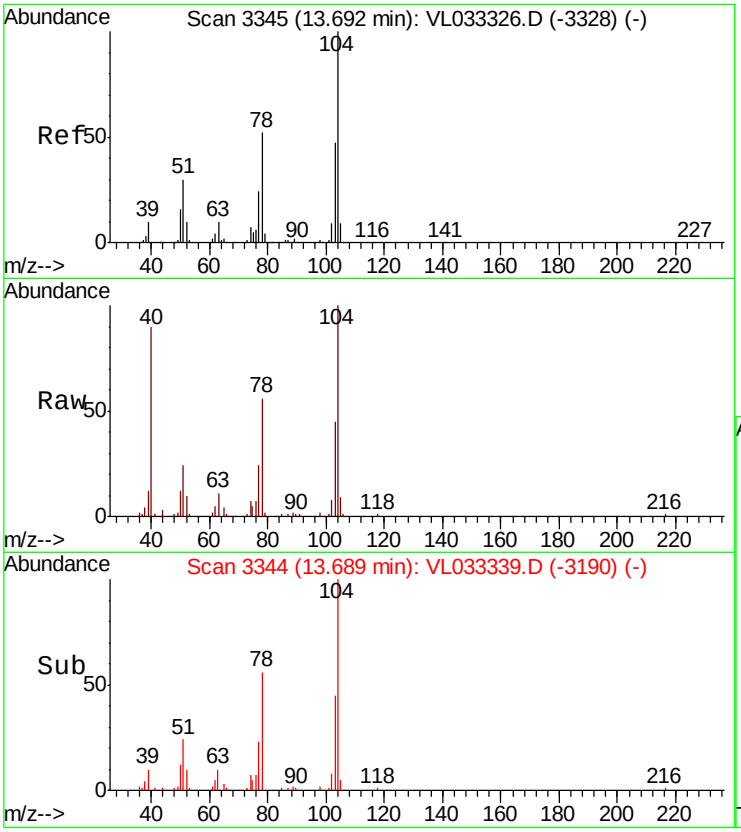


#60
o-Xylene
Concen: 0.390 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 91 Resp: 83474

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.3	63.9



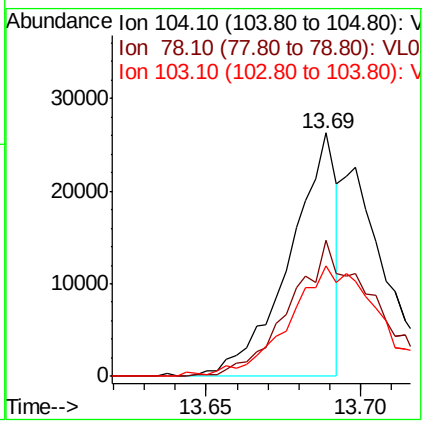


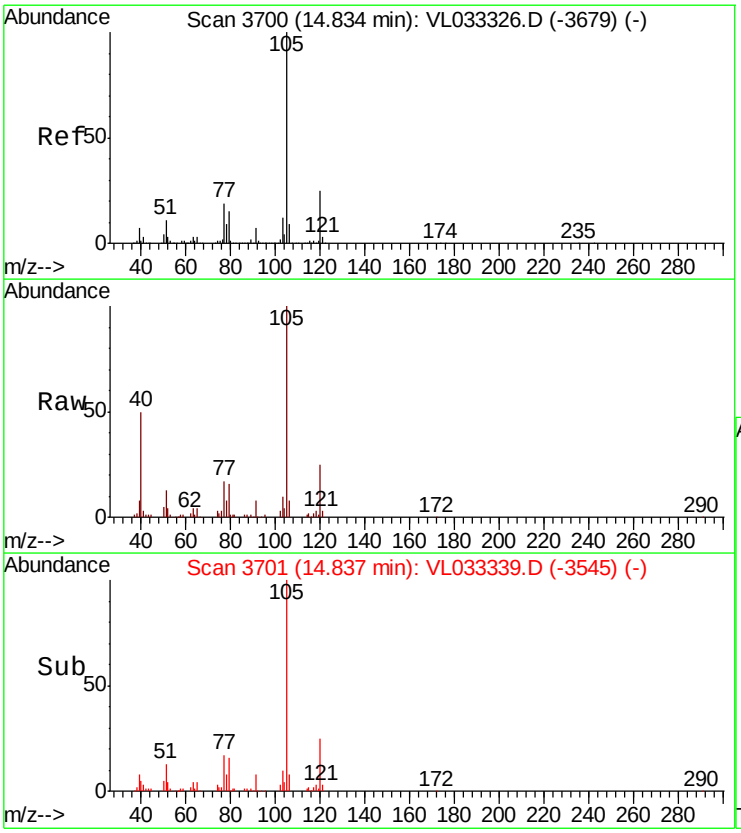
#61
Stvrene
Concen: 0.184 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 27551

Ion	Ratio	Lower	Upper
104	100		
78	98.6	42.7	64.1#
103	87.5	38.0	57.0#

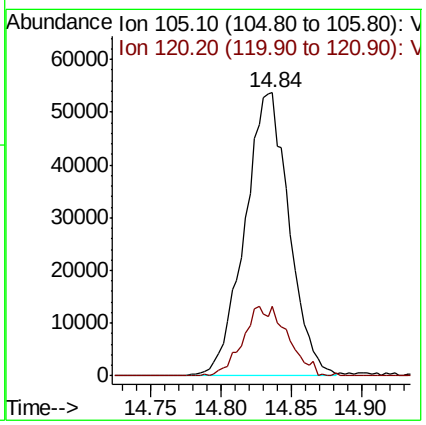


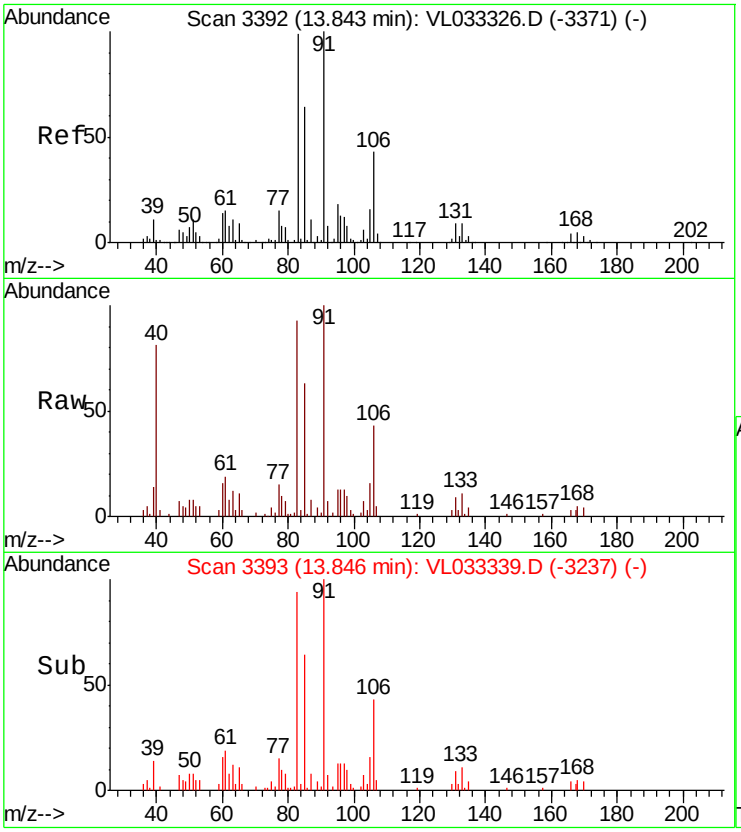


#62
Isopropylbenzene
Concen: 0.398 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:105 Resp: 118413

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9



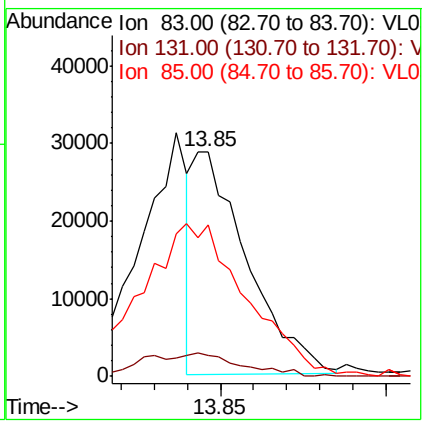


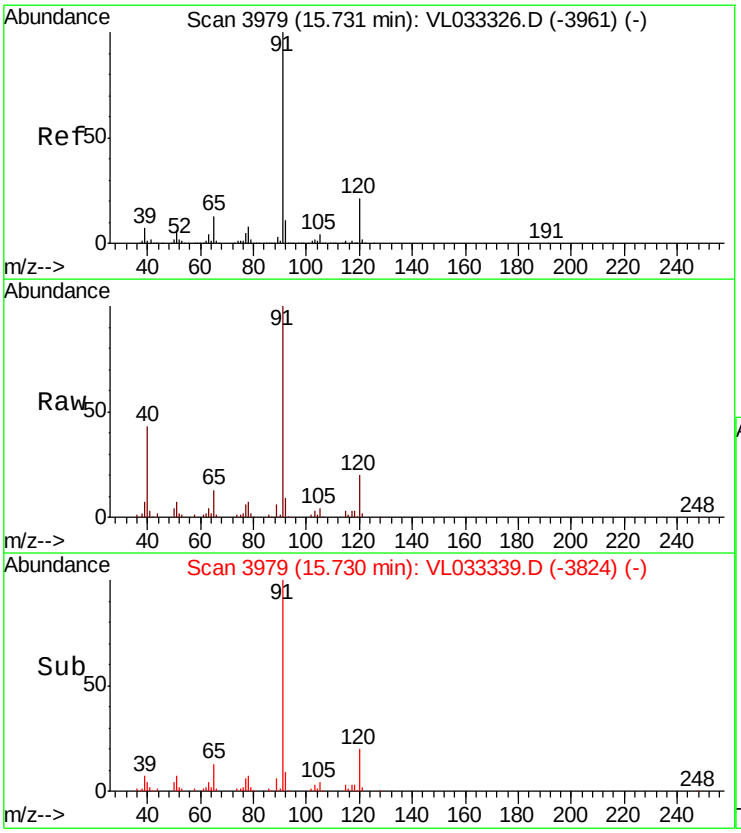
#63
1,1,2,2-Tetrachloroethane
Concen: 0.208 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 32183

Ion	Ratio	Lower	Upper
83	100		
131	19.7	4.7	14.0#
85	137.4	32.5	97.4#

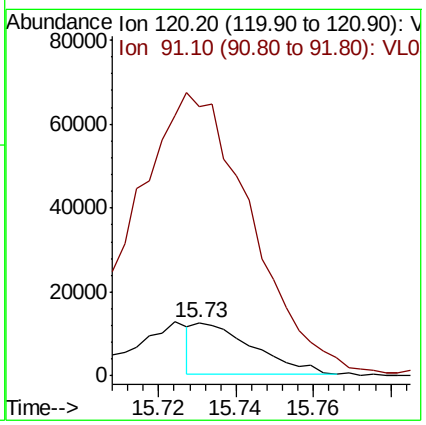


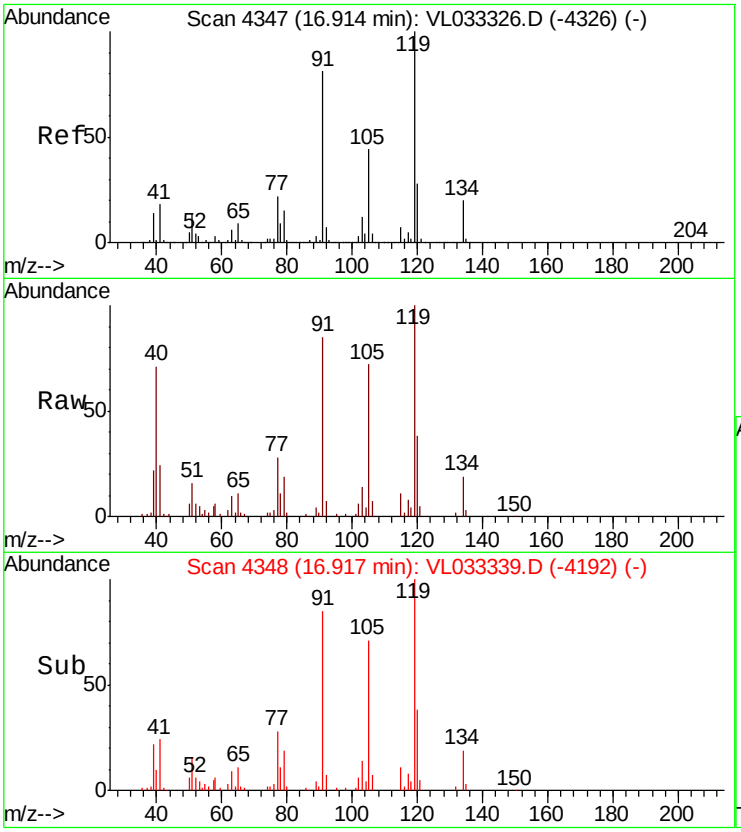


#64
n-propylbenzene
Concen: 0.173 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:120 Resp: 13013

Ion	Ratio	Lower	Upper
120	100		
91	1146.7	389.8	584.6#



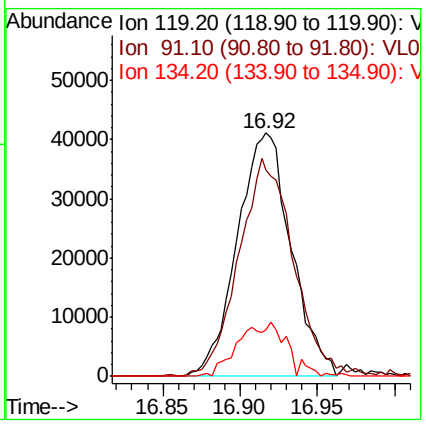


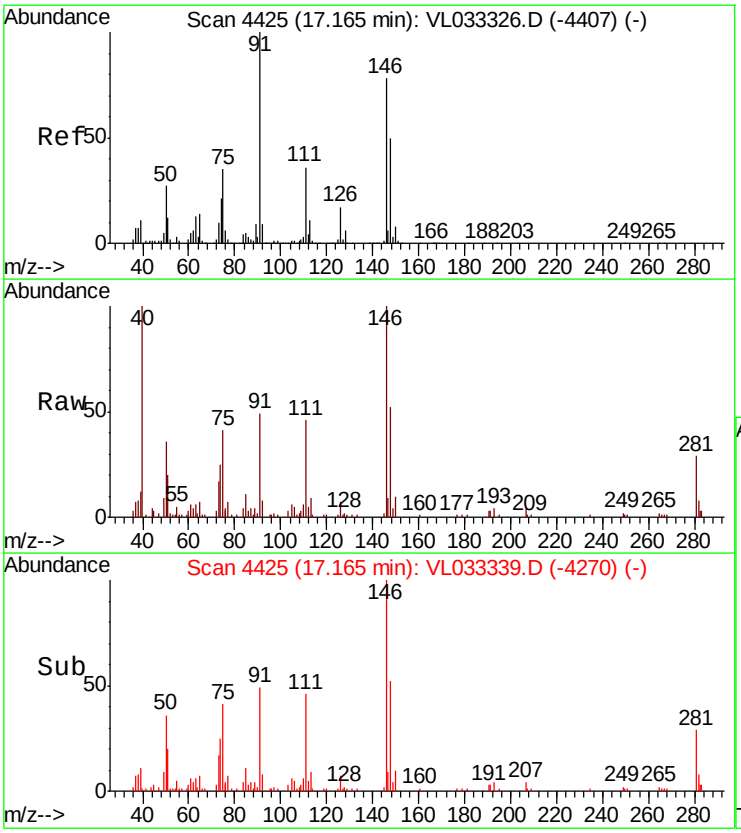
#65
tert-Butylbenzene
Concen: 0.372 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 99564

Ion	Ratio	Lower	Upper
119	100		
91	91.8	67.2	100.8
134	20.3	15.4	23.2

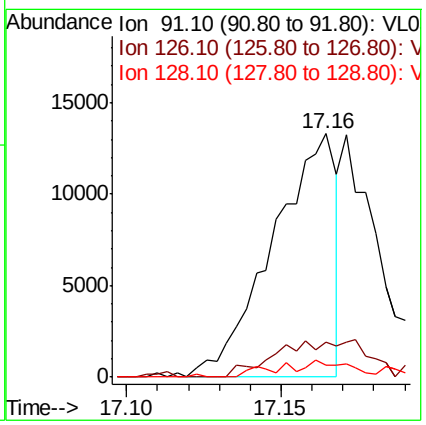


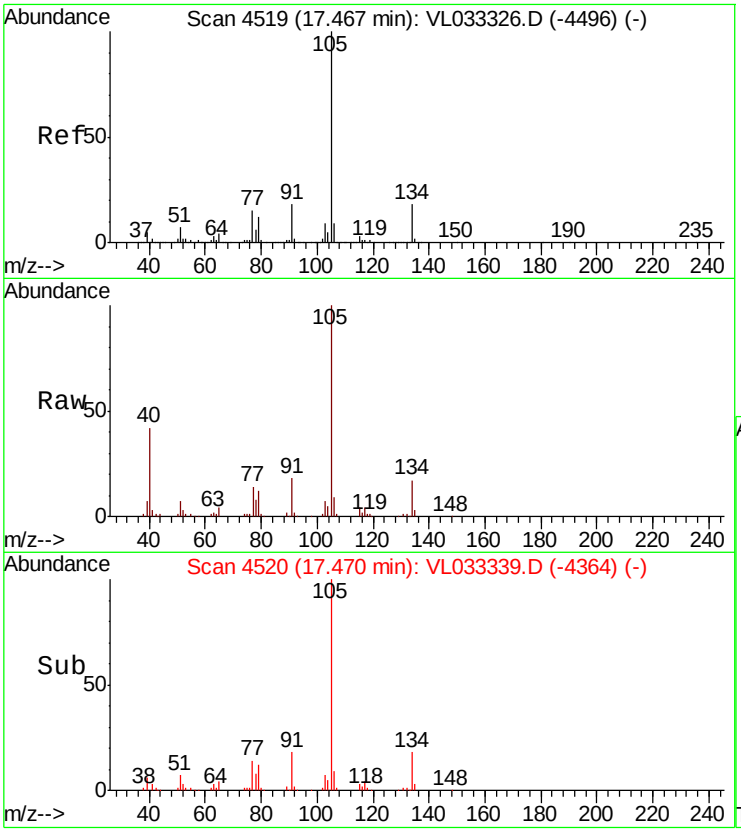


#66
Benzyl Chloride
Concen: 0.171 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 91 Resp: 18949

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.2	19.8#
128	9.1	4.2	6.4#



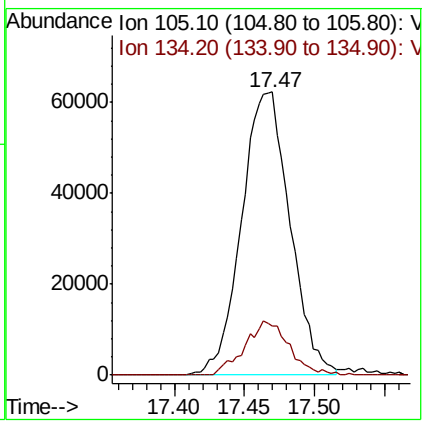


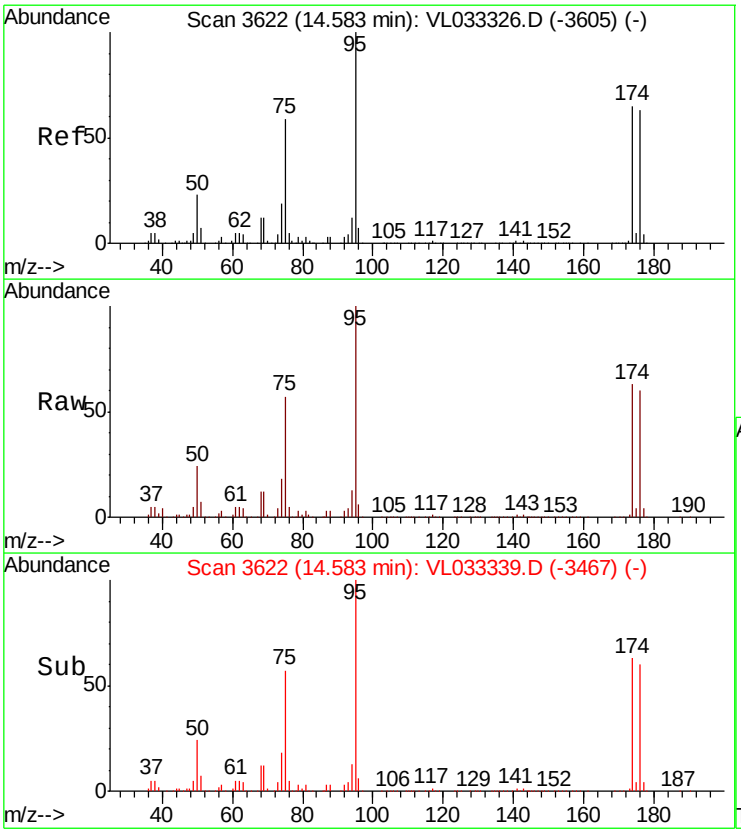
#67
sec-Butylbenzene
Concen: 0.394 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 149584

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.2	21.4

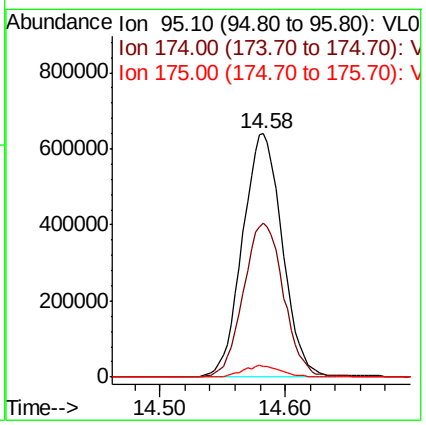


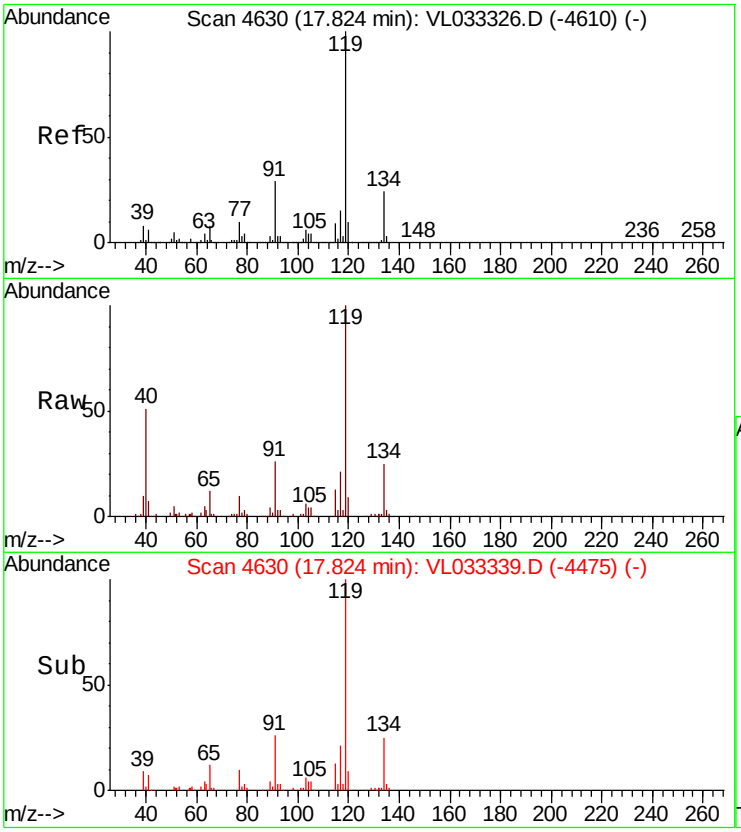


#68
1-Bromo-4-Fluorobenzene
Concen: 10.554 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 95 Resp: 1410853

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.5	77.3
175	4.6	3.8	5.6



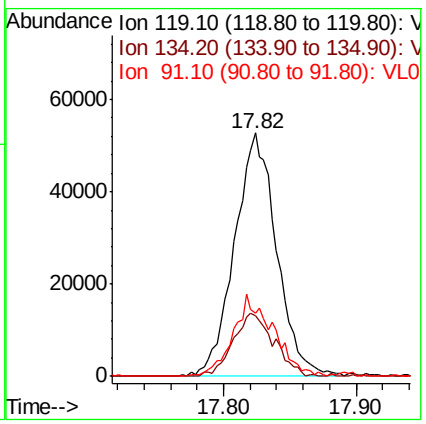


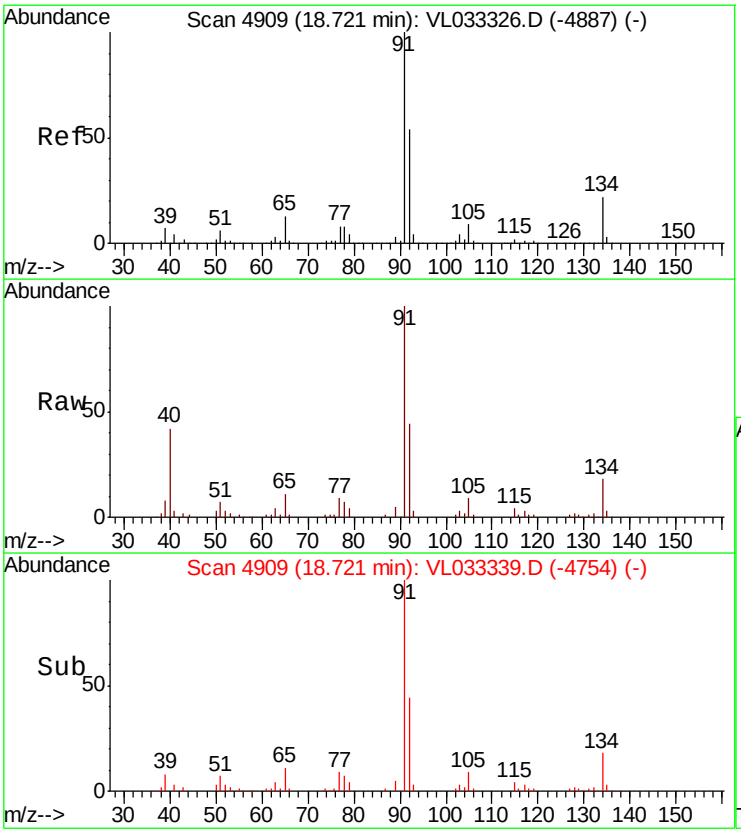
#69
p-Isopropyltoluene
Concen: 0.374 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 115878

Ion	Ratio	Lower	Upper
119	100		
134	25.2	19.8	29.6
91	32.5	23.4	35.2

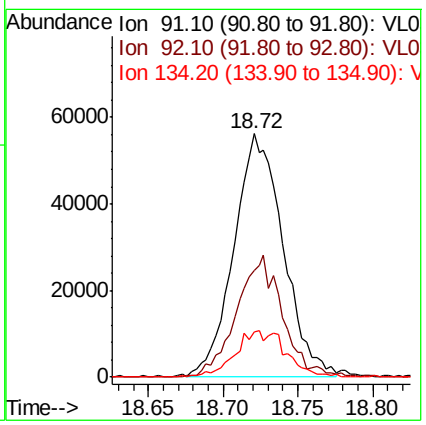


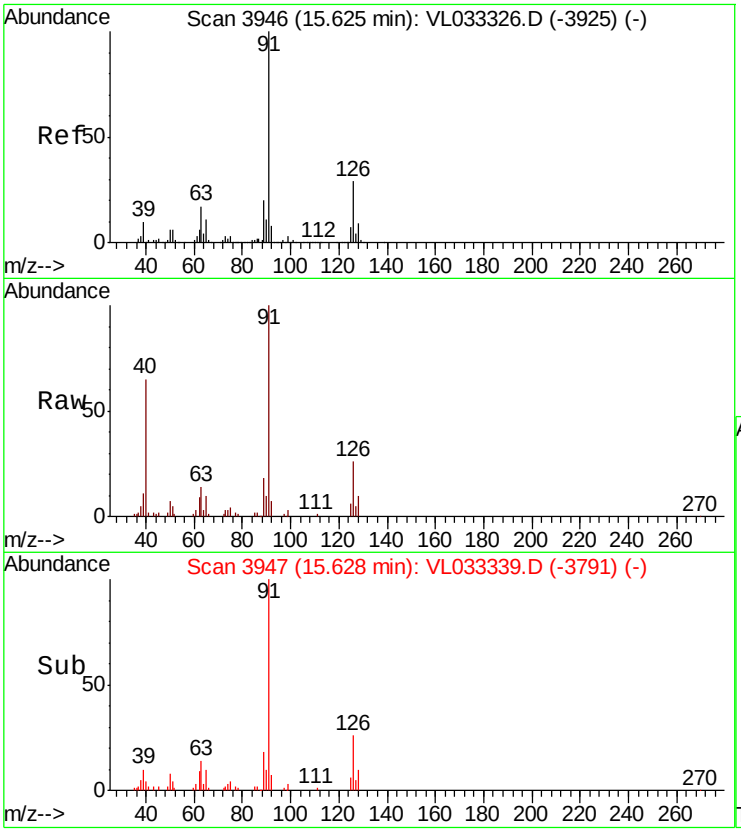


#70
n-Butylbenzene
Concen: 0.386 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion: 91 Resp: 127559

Ion	Ratio	Lower	Upper
91	100		
92	47.3	42.8	64.2
134	19.9	17.4	26.0



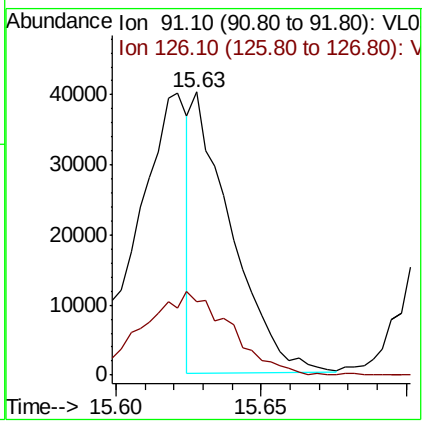


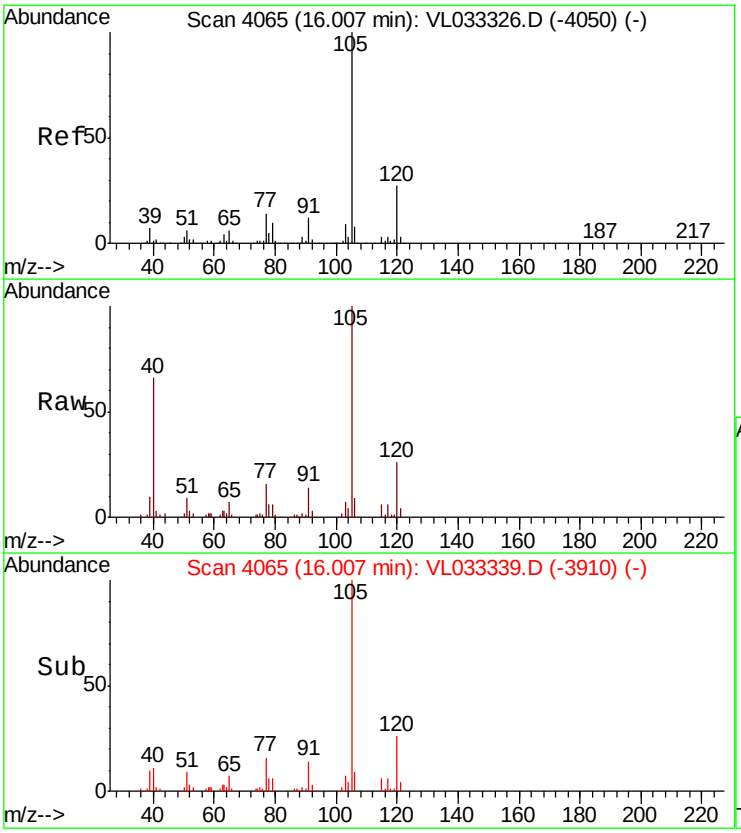
#71
2-Chlorotoluene
Concen: 0.161 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 37377

Ion	Ratio	Lower	Upper
91	100		
126	67.3	11.6	46.6#

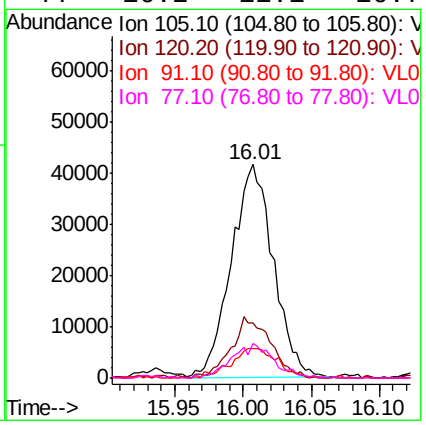


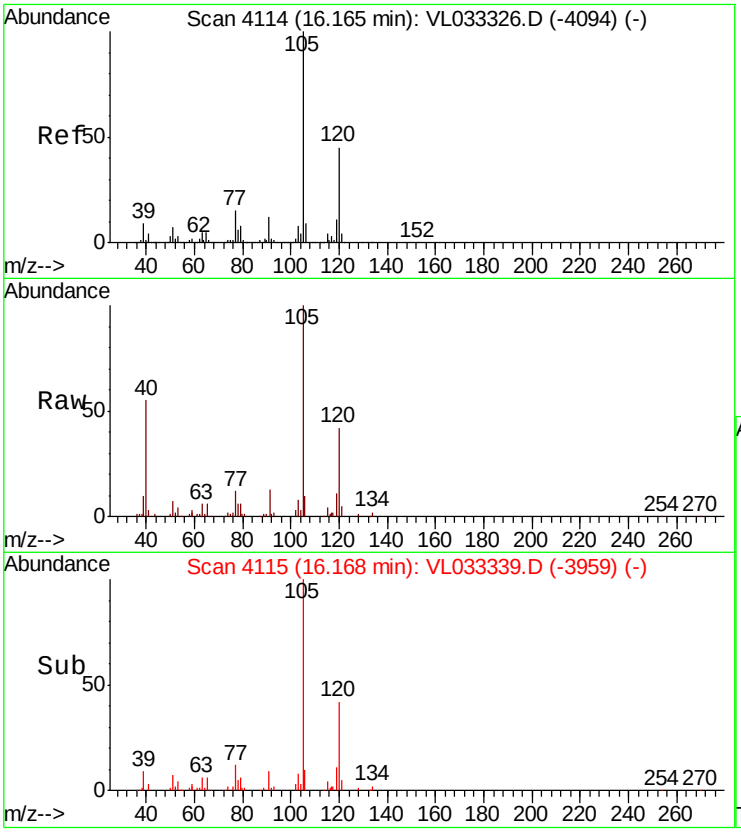


#72
4-Ethyltoluene
Concen: 0.367 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:105 Resp: 89090

Ion	Ratio	Lower	Upper
105	100		
120	27.0	22.9	34.3
91	15.5	10.2	15.2#
77	16.2	11.1	16.7



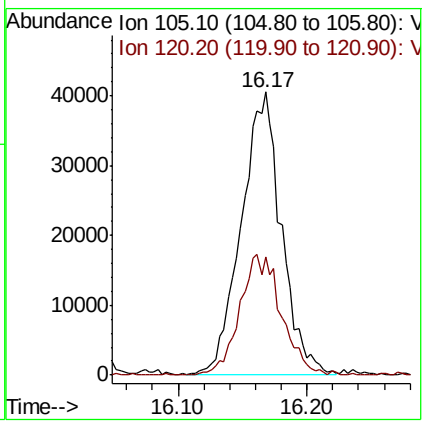


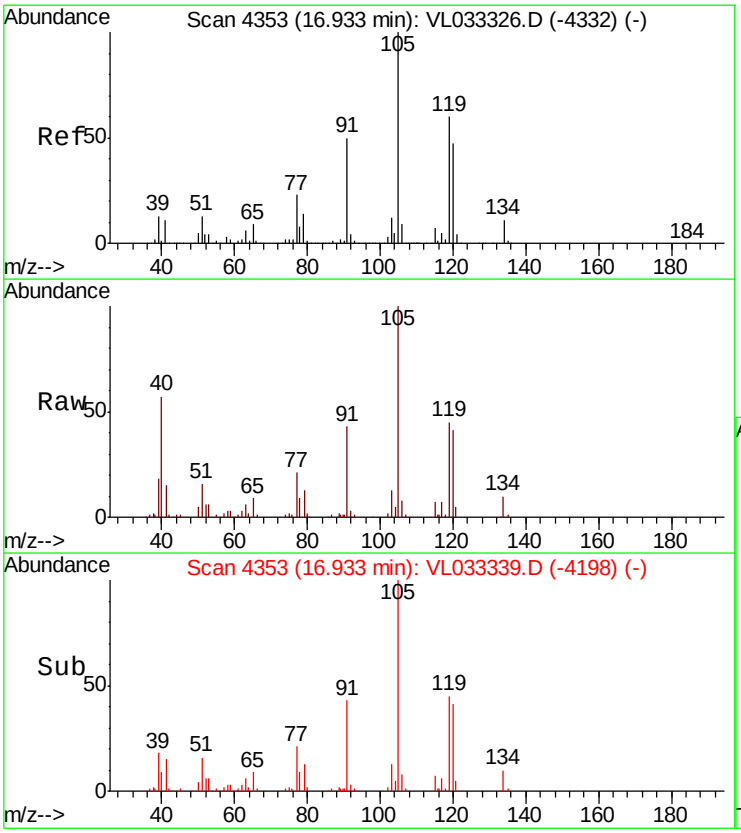
#73
1,3,5-Trimethylbenzene
Concen: 0.372 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 88081

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.2	54.4

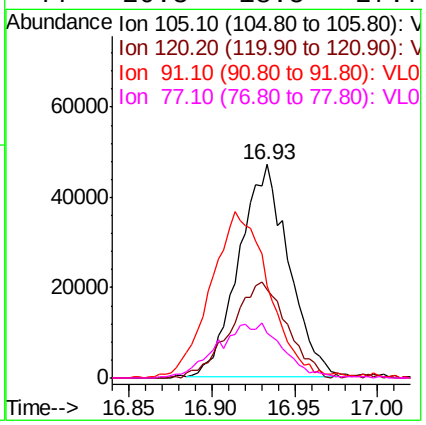


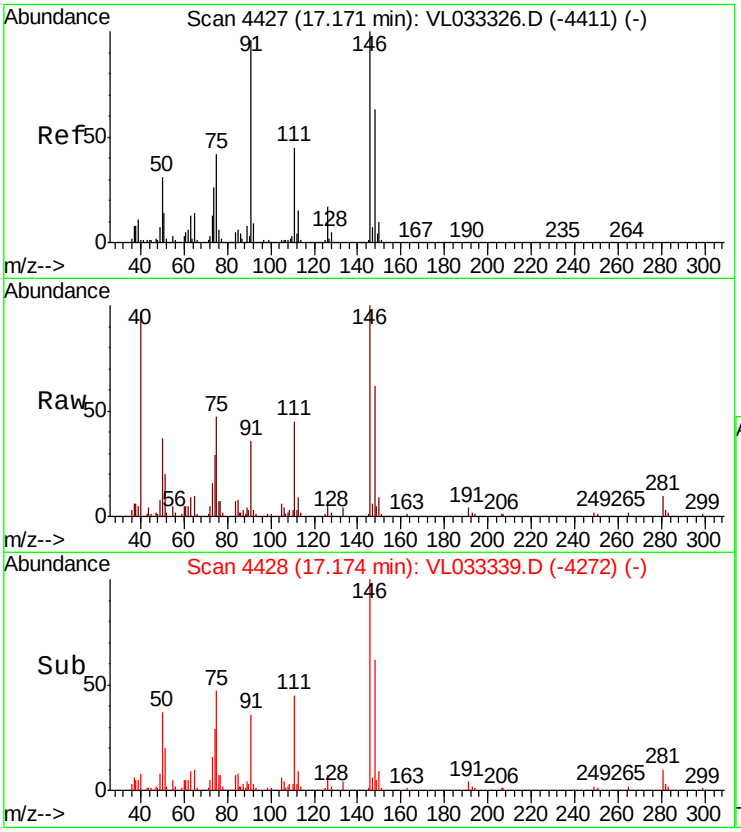


#74
1,2,4-Trimethylbenzene
Concen: 0.391 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:105 Resp: 97964

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.4	56.2
91	40.8	41.0	61.4#
77	20.3	18.5	27.7



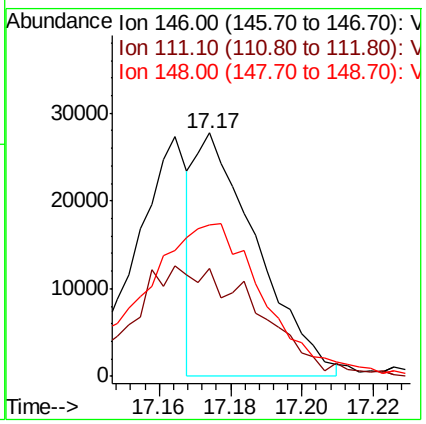


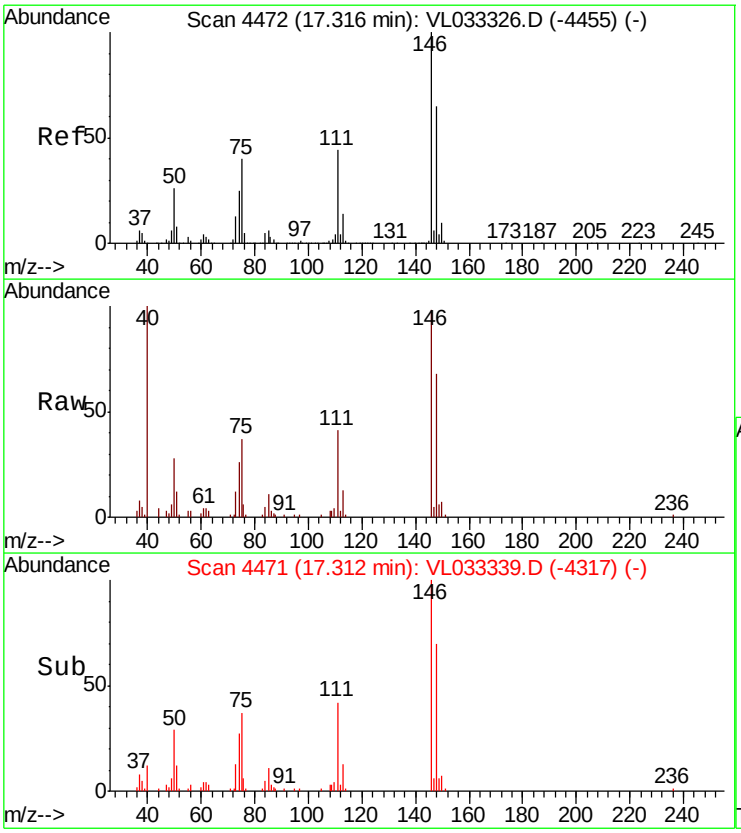
#75
1,3-Dichlorobenzene
Concen: 0.224 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 33159

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.3#
148	126.3	31.9	95.7#

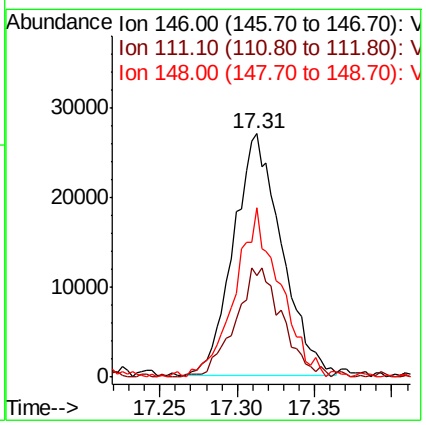


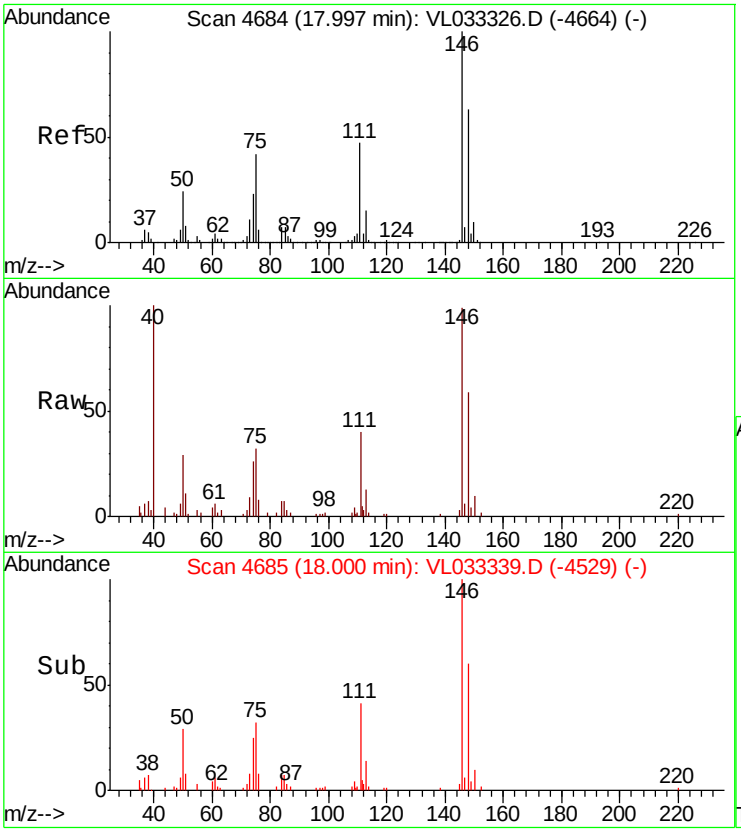


#76
1,4-Dichlorobenzene
Concen: 0.408 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:146 Resp: 58359

Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.7
148	66.2	32.1	96.5



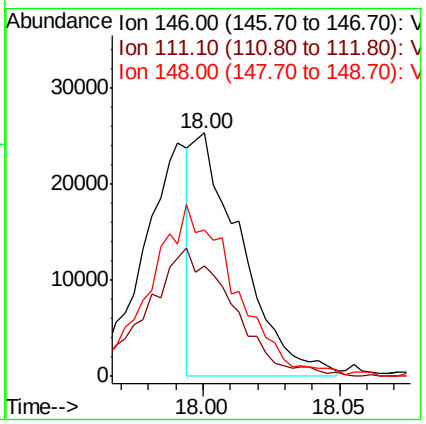


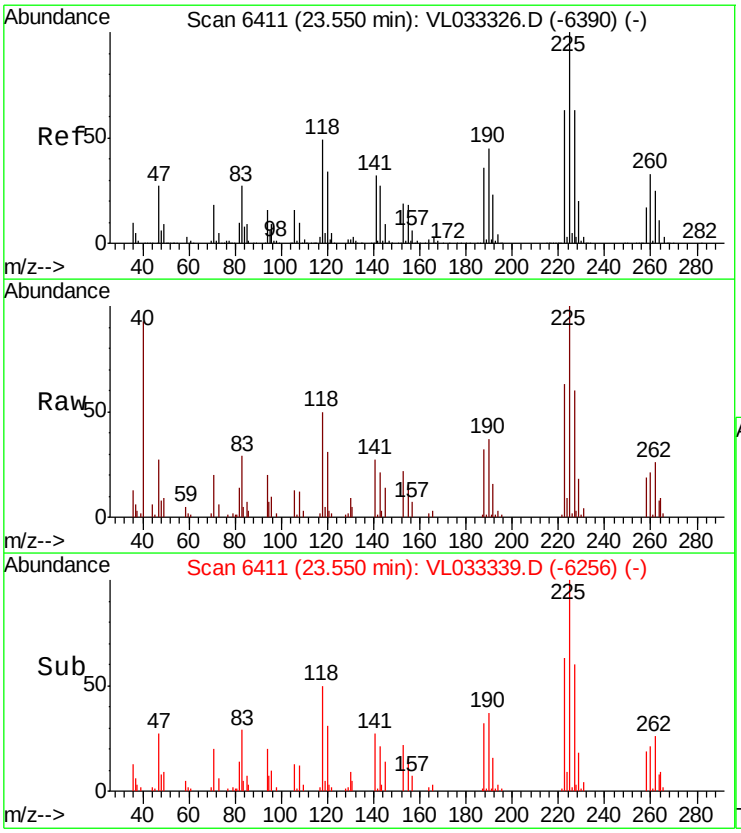
#77
1,2-Dichlorobenzene
Concen: 0.224 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 31343

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.6#
148	0.0	31.9	95.9#

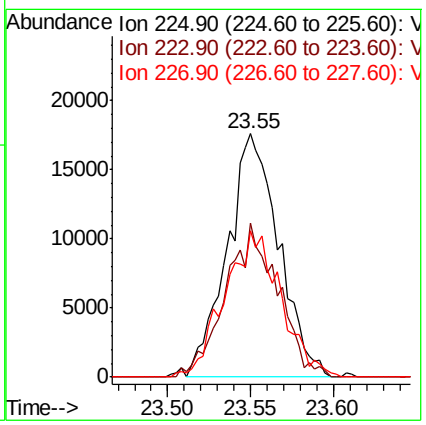


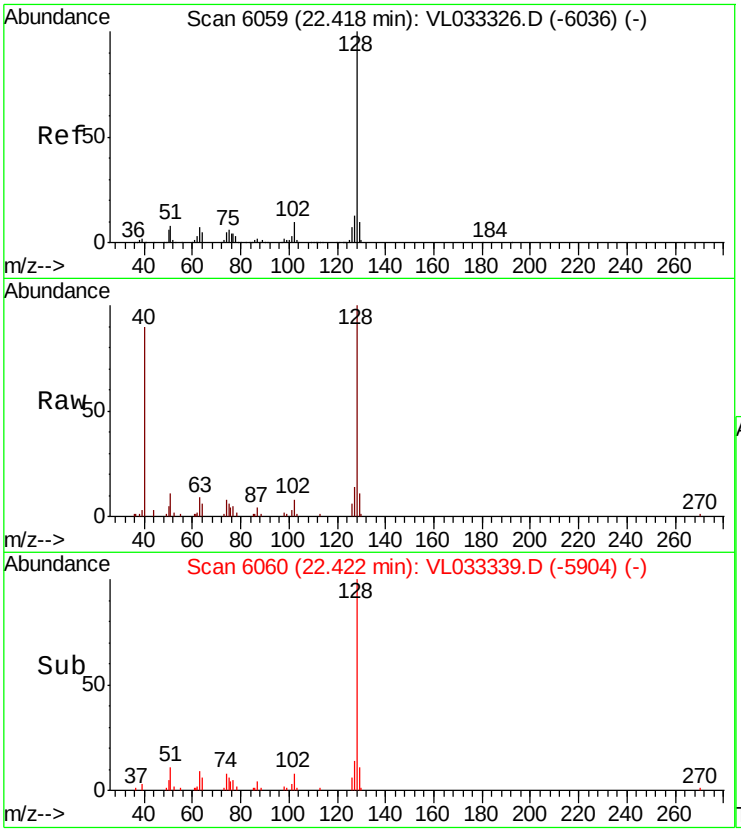


#78
Hexachloro-1,3-Butadiene
Concen: 0.454 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:225 Resp: 38074

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.4	75.6
227	65.0	50.5	75.7



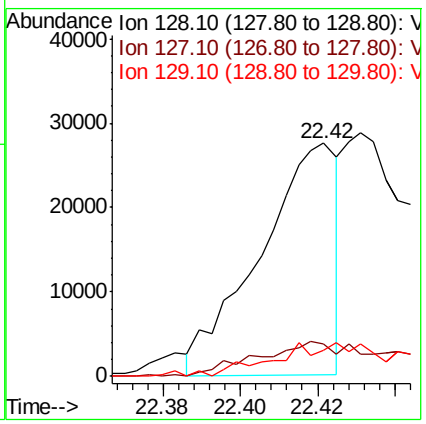


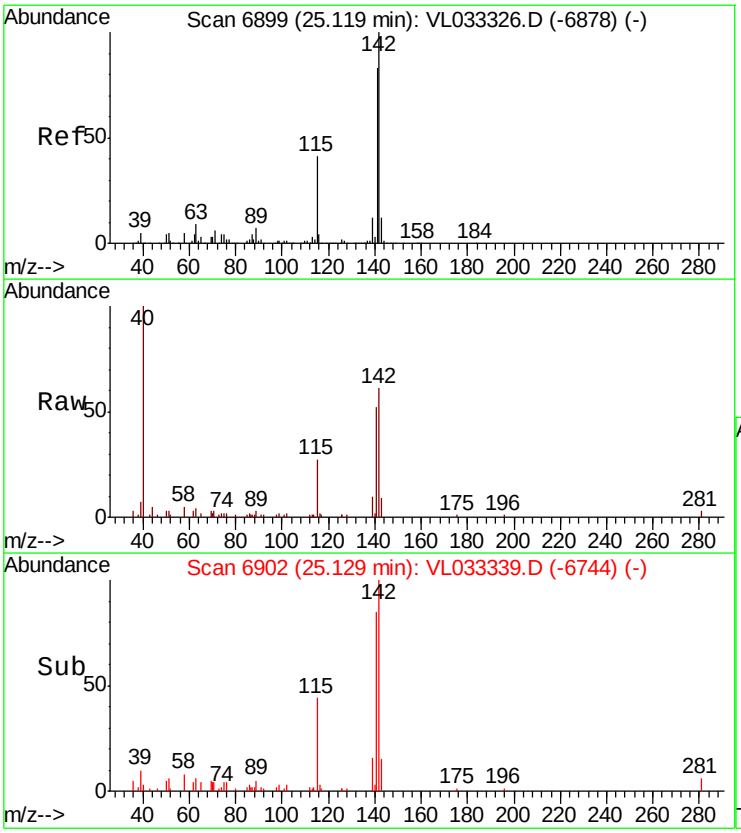
#79
Naphthalene
Concen: 0.159 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 38340

Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.1	15.1#
129	13.4	8.2	12.2#

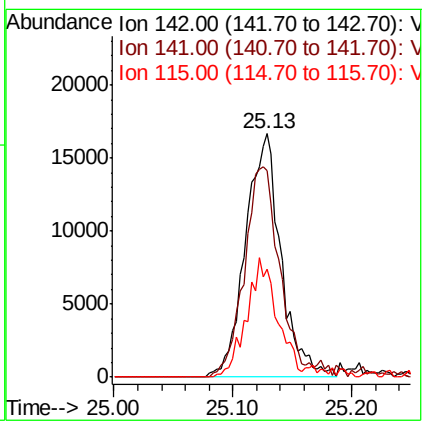


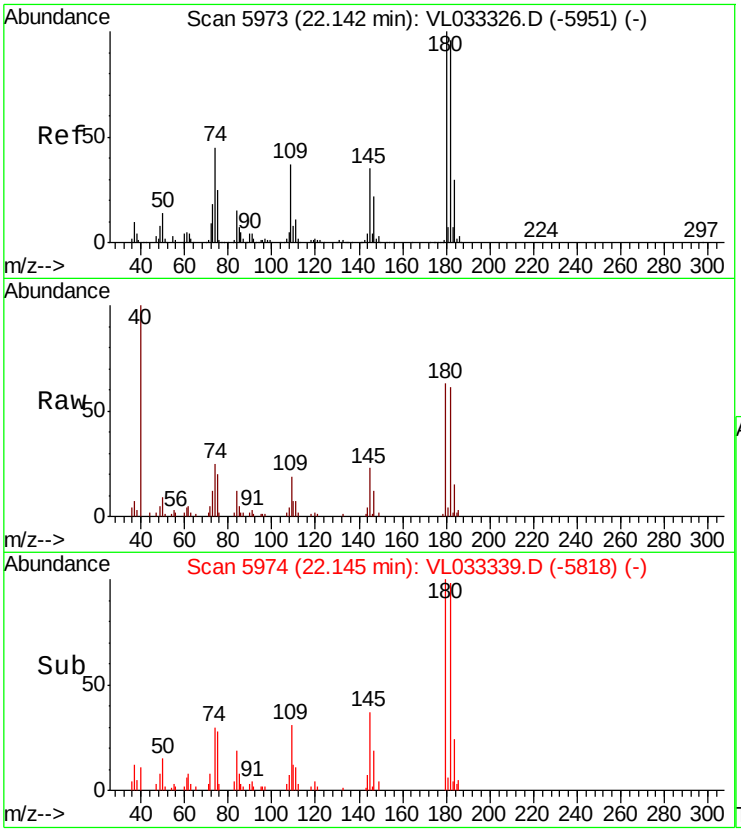


#80
Naphthalene,2-methyl-
Concen: 0.299 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Tgt Ion:142 Resp: 34229

Ion	Ratio	Lower	Upper
142	100		
141	89.0	67.1	100.7
115	45.7	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.217 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033339.D
Acq: 15 Mar 2019 20:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 26722

Ion	Ratio	Lower	Upper
180	100		
182	175.1	76.1	114.1#
184	53.5	24.6	37.0#