Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033393.D
Acq On : 20 Mar 2019 17:11
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:36:37 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	843524	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1926546	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1903623	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1416174	10.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	83415	0.562	ppbv		93
3) Chlorodifluoromethane	3.01	51	48078	0.497	ppbv		97
4) Chloromethane	3.17	50	28083	0.536	ppbv		100
5) Vinyl Chloride	3.29	62	24982	0.462	ppbv	#	76
6) Bromomethane	3.52	94	16481	0.513	ppbv		98
7) Chloroethane	3.60	64	3517	0.186	ppbv	#	84
8) Dichlorotetrafluoroethane	3.22	85	65016	0.515	ppbv		98
9) Propene	3.04	41	21932	0.507	ppbv		95
10) Heptane	8.25	43	44450	0.415	ppbv		99
11) Trichlorofluoromethane	4.00	101	73864	0.500	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	45632	0.466	ppbv		93
13) Ethanol	3.65	45	10641	0.516	ppbv	#	38
14) Bromoethene	3.79	108	18665	0.457	ppbv	#	96
15) Acetone	3.91	43	83830	0.639	ppbv		99
16) 1,3-Butadiene	3.36	39	15915	0.374	ppbv	#	73
17) tert-Butyl alcohol	4.35	59	749	0.041	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	20081	0.448	ppbv		90
19) Isopropyl Alcohol	4.04	45	18850	0.302	ppbv	#	82
20) Methylene Chloride	4.41	84	22030	0.515	ppbv	#	87
21) Allyl Chloride	4.48	41	28322	0.445	ppbv		97
22) trans-1,2-Dichloroethene	4.97	96	19690	0.453	ppbv	#	74
23) Vinyl Acetate	5.15	43	77032	0.508	ppbv	#	95
24) 1,1-Dichloroethane	5.09	63	49615	0.453	ppbv		99
25) Ethyl Acetate	5.77	43	90493	0.475	ppbv		99
26) Hexane	5.78	57	38544	0.452	ppbv		92
27) Carbon Disulfide	4.62	76	19972	0.204	ppbv	#	31
28) Methyl tert-Butyl Ether	5.12	73	52310	0.413	ppbv		96
29) Chloroform	5.84	83	65533	0.470	ppbv		96
30) Cyclohexane	7.25	84	16268	0.238	ppbv	#	39
31) cis-1,2-Dichloroethene	5.64	61	22112	0.260	ppbv		95
32) 1,1,1-Trichloroethane	6.62	97	58369	0.426	ppbv		95
34) 2-Butanone	5.34	43	56994	0.450	ppbv		98
35) Carbon Tetrachloride	7.13	117	62420	0.460	ppbv		98
36) Benzene	6.99	78	33365	0.194	ppbv		94
37) 1,2-Dichloroethane	6.41	62	50594	0.464	ppbv		98
38) Trichloroethene	7.96	130	29541	0.453	ppbv		92
39) 1,2-Dichloropropane	7.73	63	29035	0.450	ppbv	#	90
40) 1,4-Dioxane	7.99	88	3912	0.172	ppbv	#	1
41) Tetrahydrofuran	6.17	42	14984	0.222	ppbv	#	49
42) Bromodichloromethane	7.91	83	30649	0.210	ppbv		99
43) Methyl Methacrylate	8.14	69	17148	0.255	ppbv	#	1

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033393.D
Acq On : 20 Mar 2019 17:11
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:36:37 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	7.98	57	63069	0.221	ppbv	#	44
45) t-1,3-Dichloropropene	9.41	75	27160	0.328	ppbv		91
46) cis-1,3-Dichloropropene	8.83	75	35055	0.359	ppbv		92
47) 1,1,2-Trichloroethane	9.61	97	31608	0.443	ppbv		92
48) Dibromochloromethane	10.44	129	26826	0.224	ppbv	#	36
49) Bromoform	13.19	173	22486	0.198	ppbv	#	53
50) 4-Methyl-2-Pentanone	8.89	43	69178	0.387	ppbv		97
51) 2-Hexanone	10.29	43	50648	0.367	ppbv	#	99
52) Tetrachloroethene	11.37	164	30082	0.419	ppbv		88
53) Toluene	9.94	91	75963	0.388	ppbv		96
54) 1,2-Dibromoethane	10.75	107	47243	0.392	ppbv		84
56) 1,1,1,2-Tetrachloroethane	12.27	131	37662	0.442	ppbv	#	1
57) Chlorobenzene	12.30	112	75298	0.499	ppbv	#	97
58) Ethyl Benzene	12.87	91	109888	0.408	ppbv	#	88
59) m/p-Xylene	13.12	91	61454	0.266	ppbv	#	100
60) o-Xylene	13.85	91	94189	0.417	ppbv		99
61) Styrene	13.68	104	56469	0.357	ppbv		94
62) Isopropylbenzene	14.83	105	128901	0.411	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	75996	0.466	ppbv		99
64) n-propylbenzene	15.72	120	18783	0.236	ppbv		88
65) tert-Butylbenzene	16.91	119	113298	0.401	ppbv		93
66) Benzyl Chloride	17.15	91	35618	0.305	ppbv	#	98
67) sec-Butylbenzene	17.46	105	165101	0.412	ppbv		100
69) p-Isopropyltoluene	17.81	119	132452	0.405	ppbv		97
70) n-Butylbenzene	18.72	91	141392	0.405	ppbv		97
71) 2-Chlorotoluene	15.62	91	97568	0.399	ppbv		99
72) 4-Ethyltoluene	16.00	105	97951	0.382	ppbv	#	97
73) 1,3,5-Trimethylbenzene	16.16	105	94234	0.377	ppbv		92
74) 1,2,4-Trimethylbenzene	16.92	105	109706	0.415	ppbv	#	87
75) 1,3-Dichlorobenzene	17.16	146	31462	0.202	ppbv	#	24
76) 1,4-Dichlorobenzene	17.30	146	41457	0.275	ppbv	#	42
77) 1,2-Dichlorobenzene	17.99	146	52211	0.354	ppbv		75
78) Hexachloro-1,3-Butadiene	23.54	225	50187	0.567	ppbv		97
79) Naphthalene	22.42	128	55994	0.220	ppbv	#	92
80) Naphthalene,2-methyl-	25.12	142	36322	0.300	ppbv		97
81) 1,2,4-Trichlorobenzene	22.12	180	10654	0.082	ppbv	#	12

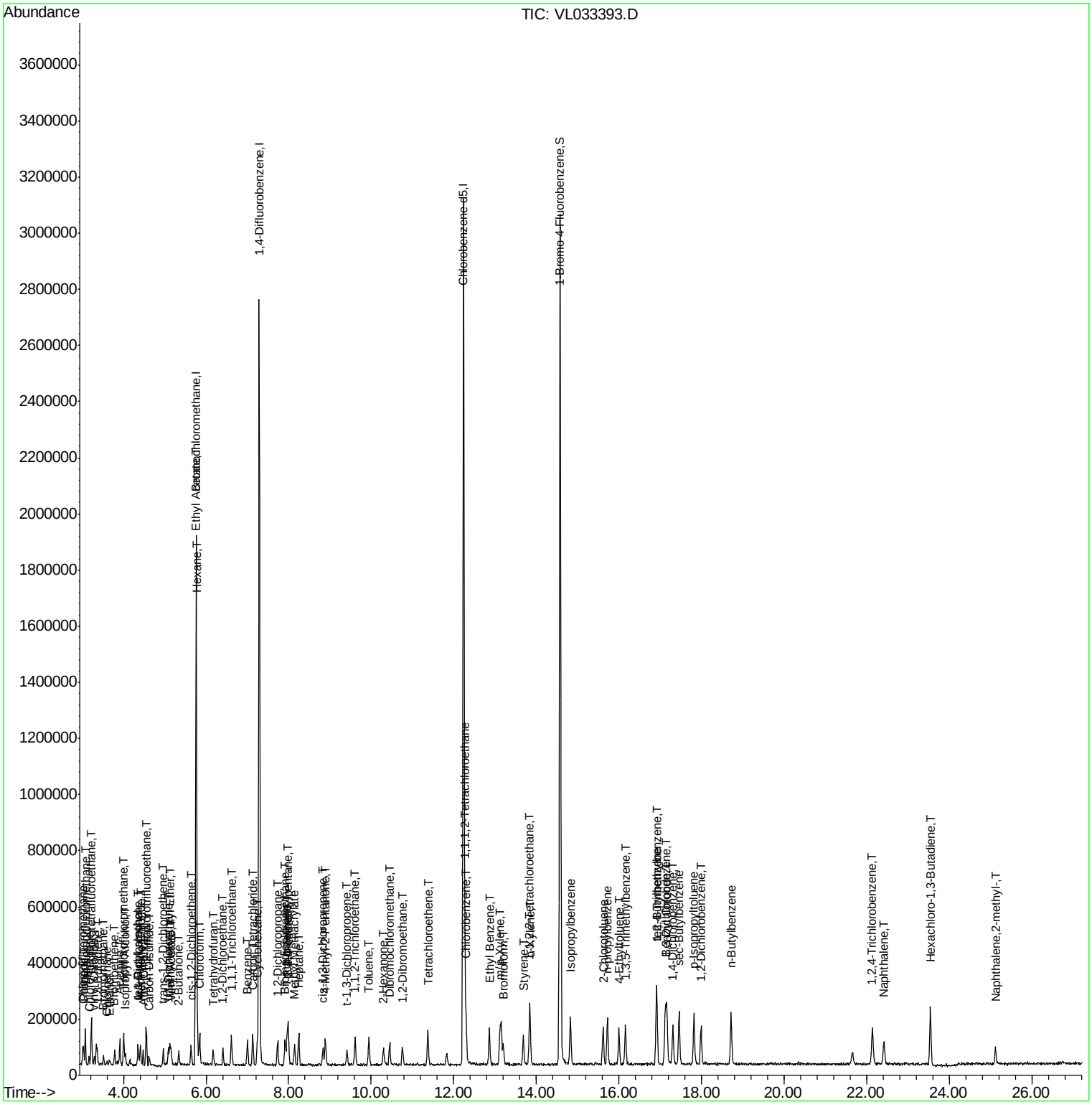
(#) = qualifier out of range (m) = manual integration (+) = signals summed

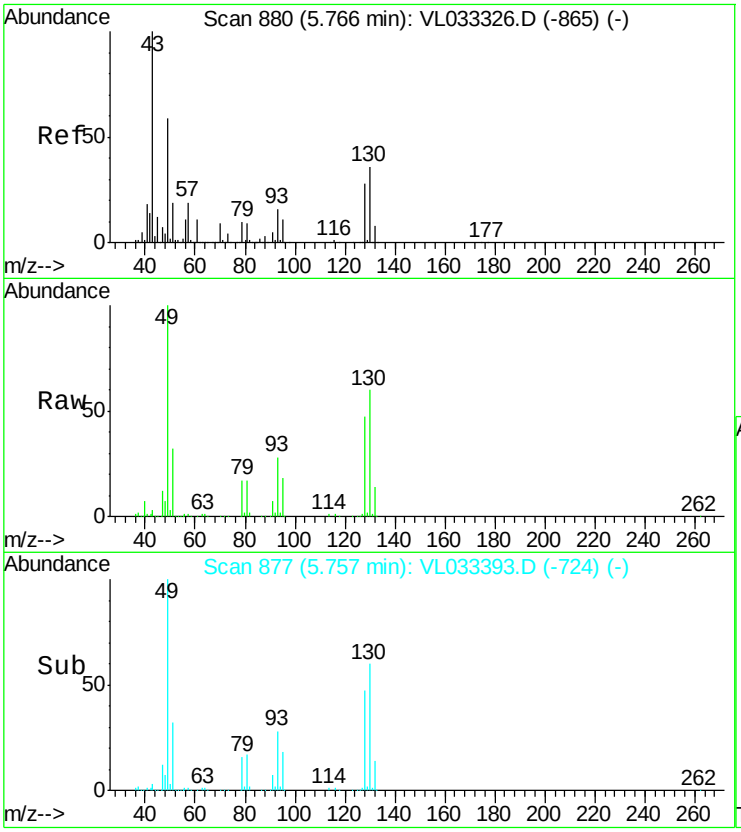
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033393.D
Acq On : 20 Mar 2019 17:11
Operator : SY/AP
Sample : 0.4 MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Quant Time: Mar 21 12:36:37 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



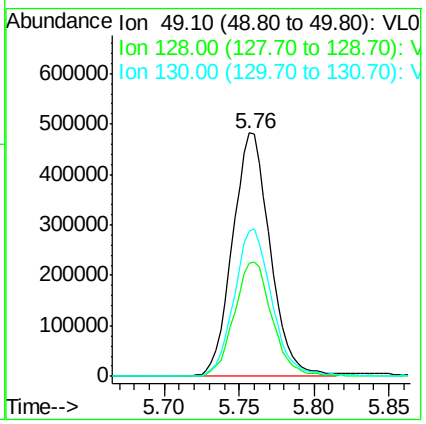


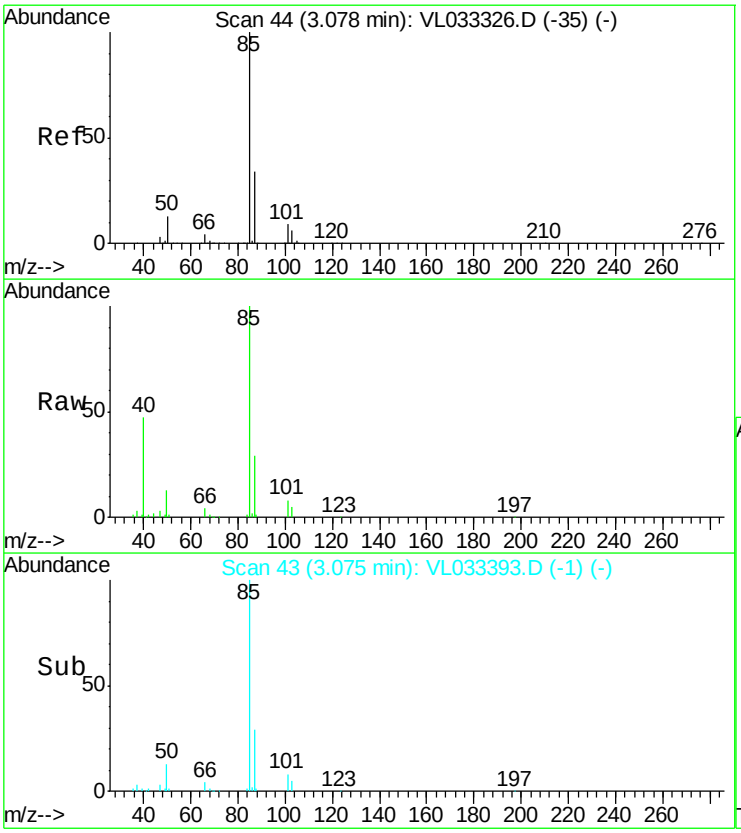
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 49 Resp: 843524

Ion	Ratio	Lower	Upper
49	100		
128	47.9	23.5	70.6
130	61.2	30.1	90.3

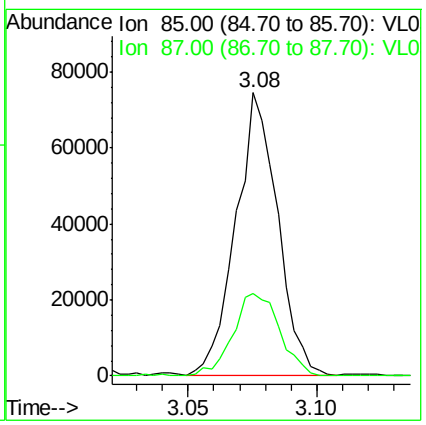


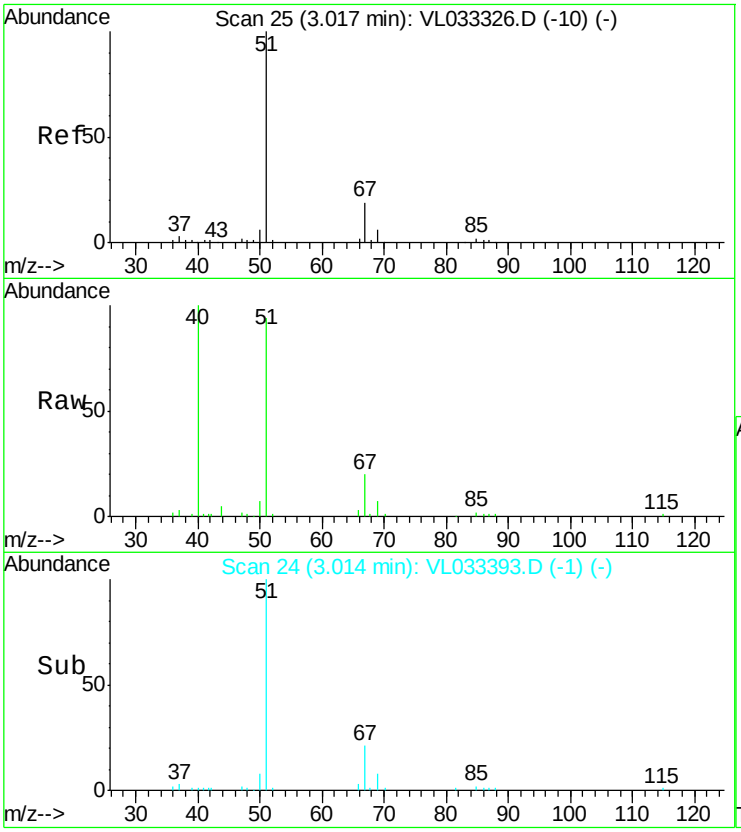


#2
Dichlorodifluoromethane
Concen: 0.562 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 85 Resp: 83415

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.9	40.3



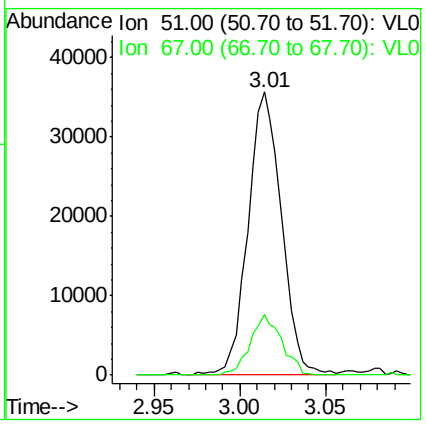


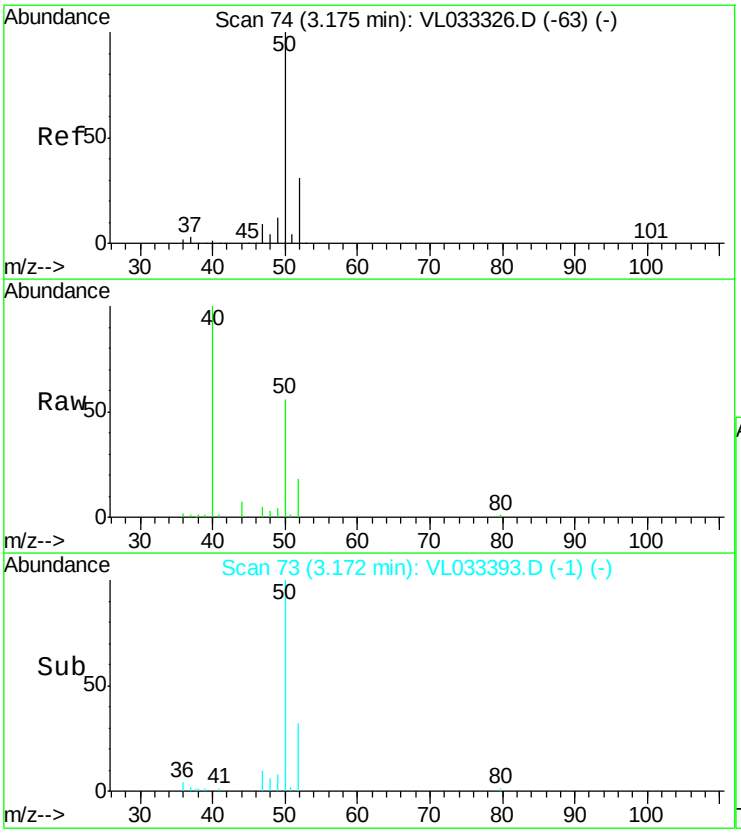
#3
Chlorodifluoromethane
Concen: 0.497 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 51 Resp: 48078

Ion	Ratio	Lower	Upper
51	100		
67	19.9	14.9	22.3

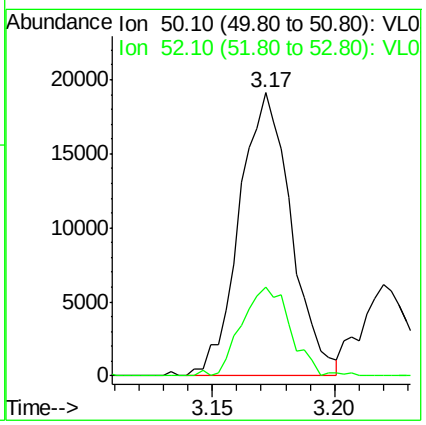


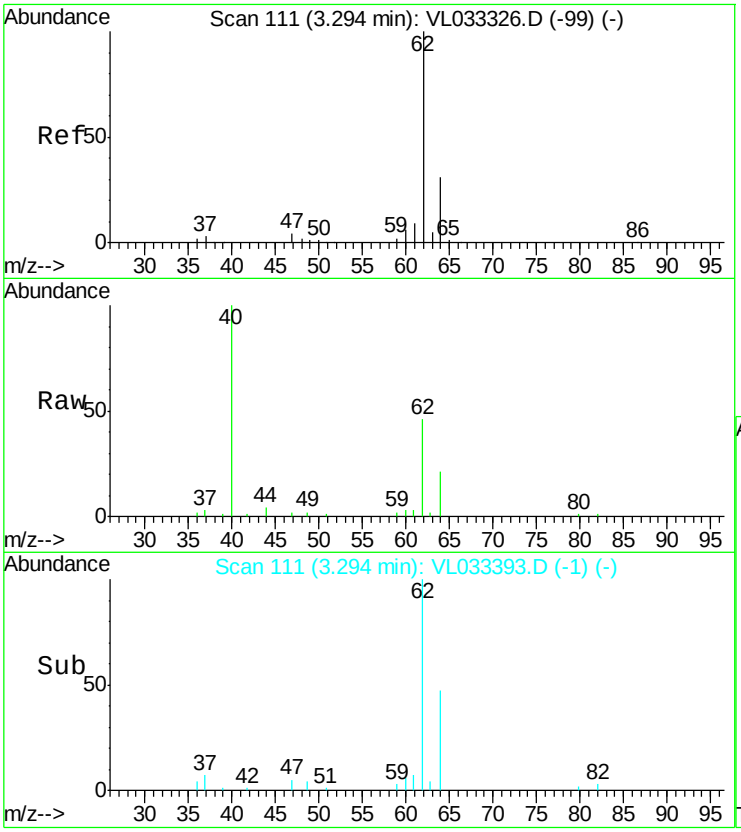


#4
Chloromethane
Concen: 0.536 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 50 Resp: 28083

Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.0	37.6



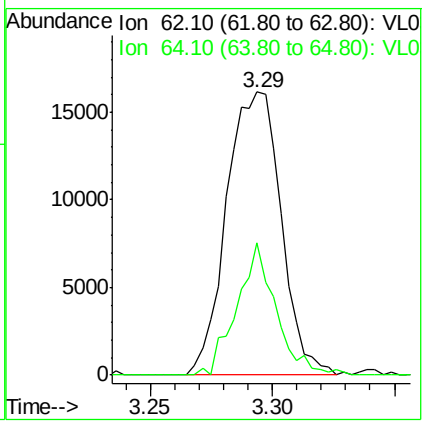


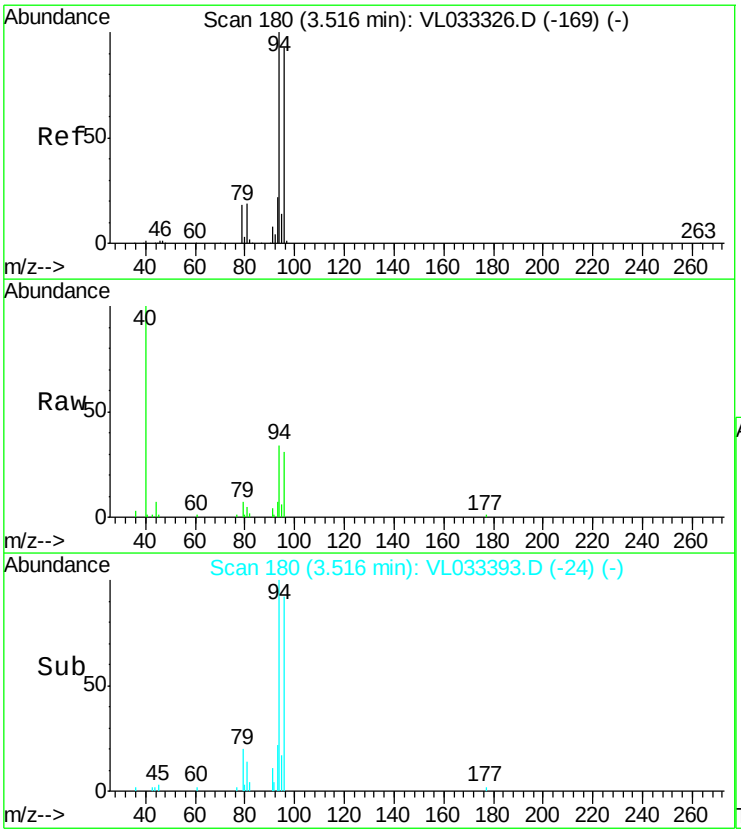
#5
Vinyl Chloride
Concen: 0.462 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 24982

Ion	Ratio	Lower	Upper
62	100		
64	44.8	25.0	37.6#

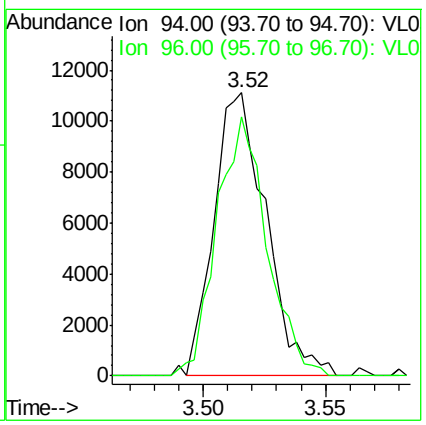


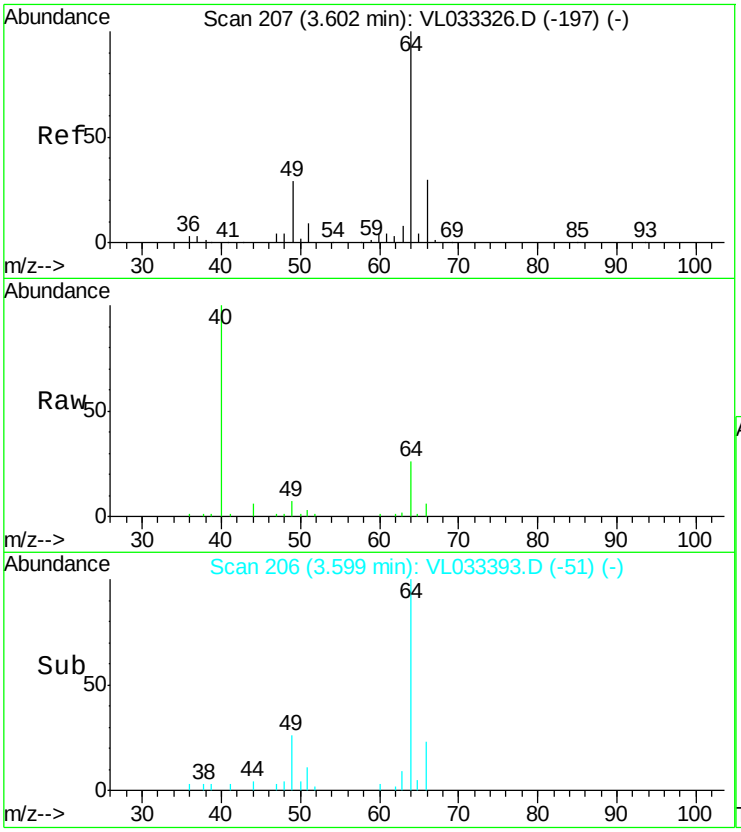


#6
Bromomethane
Concen: 0.513 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 94 Resp: 16481

Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.6	111.8



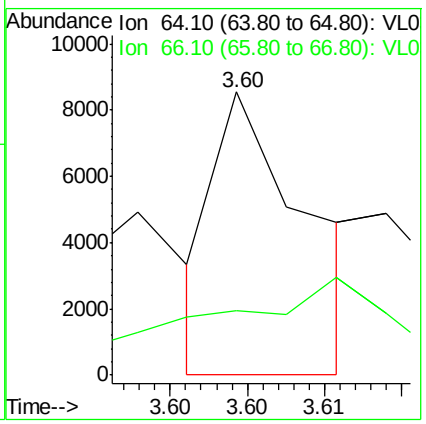


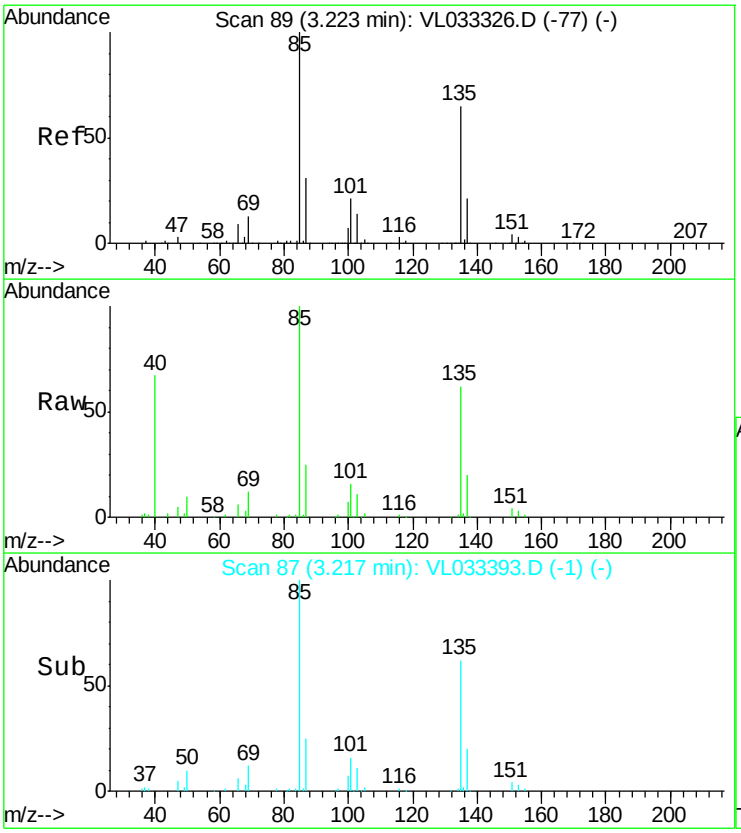
#7
Chloroethane
Concen: 0.186 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 64 Resp: 3517

Ion	Ratio	Lower	Upper
64	100		
66	21.6	24.0	36.0#

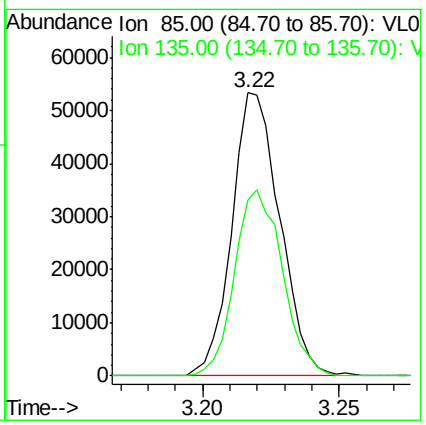


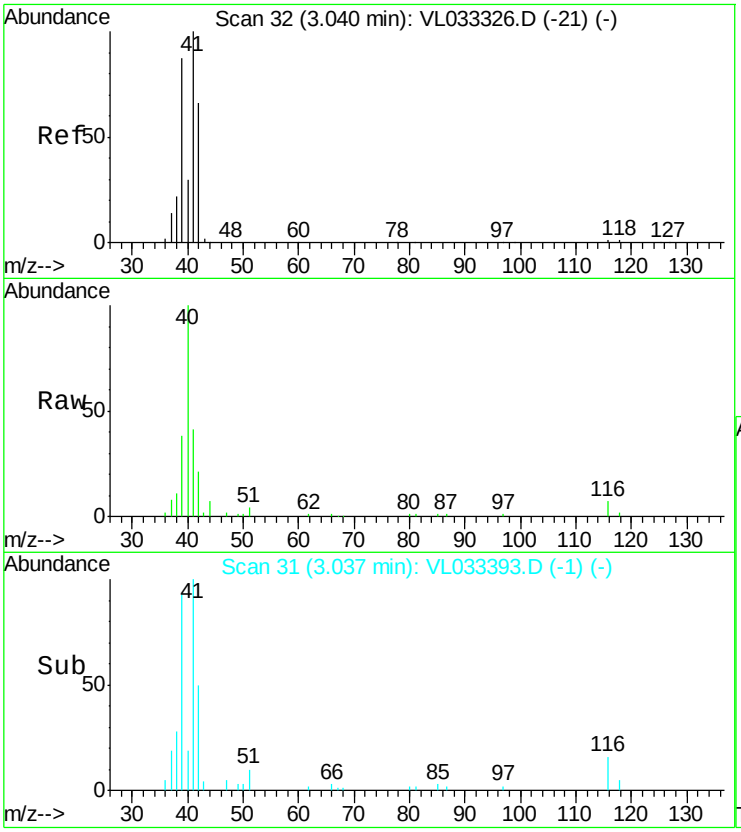


#8
Dichlorotetrafluoroethane
Concen: 0.515 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 85 Resp: 65016

Ion	Ratio	Lower	Upper
85	100		
135	65.5	53.4	80.2

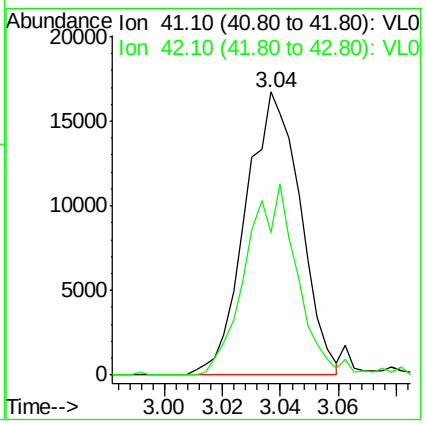




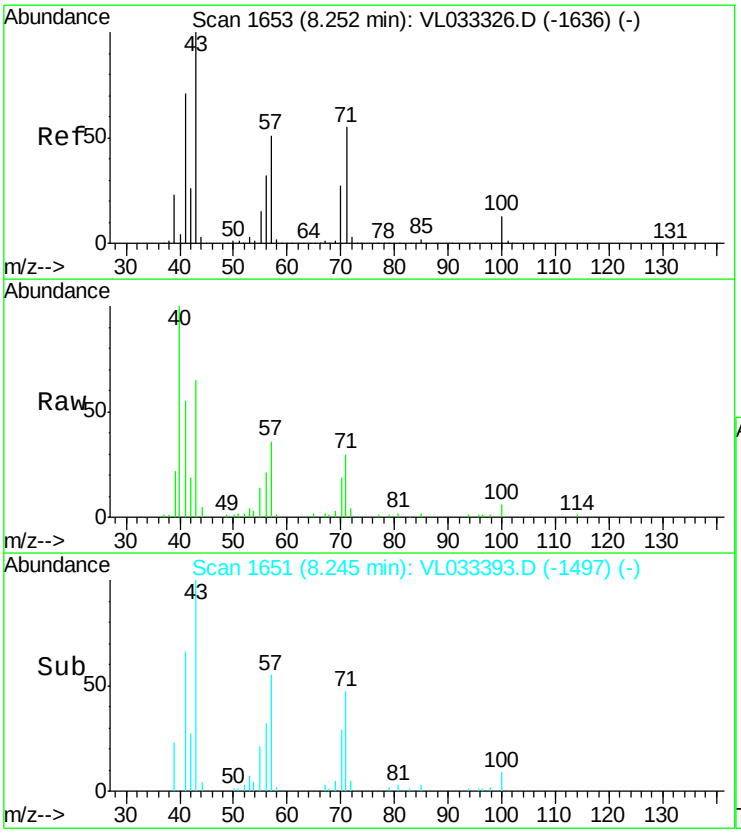
#9
Propene
Concen: 0.507 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 41 Resp: 21932

Ion	Ratio	Lower	Upper
41	100		
42	64.6	55.2	82.8



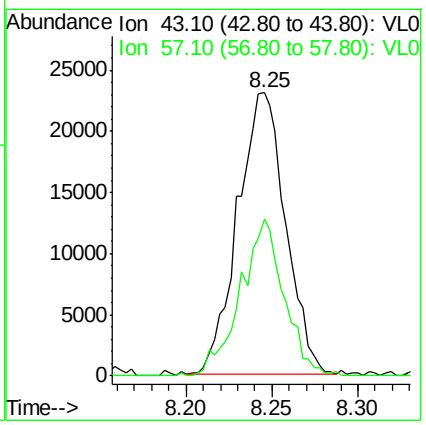
Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

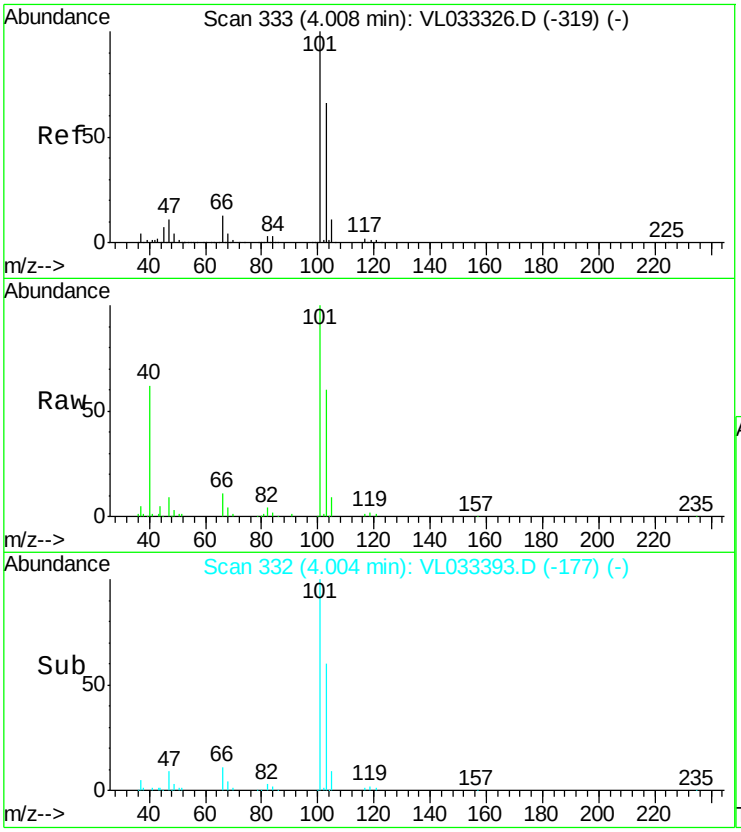


#10
Heptane
Concen: 0.415 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 43 Resp: 44450

Ion	Ratio	Lower	Upper
43	100		
57	51.0	40.4	60.6



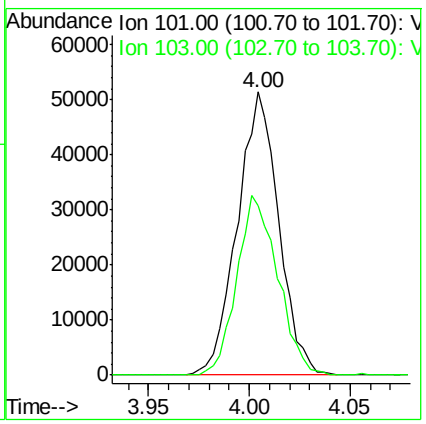


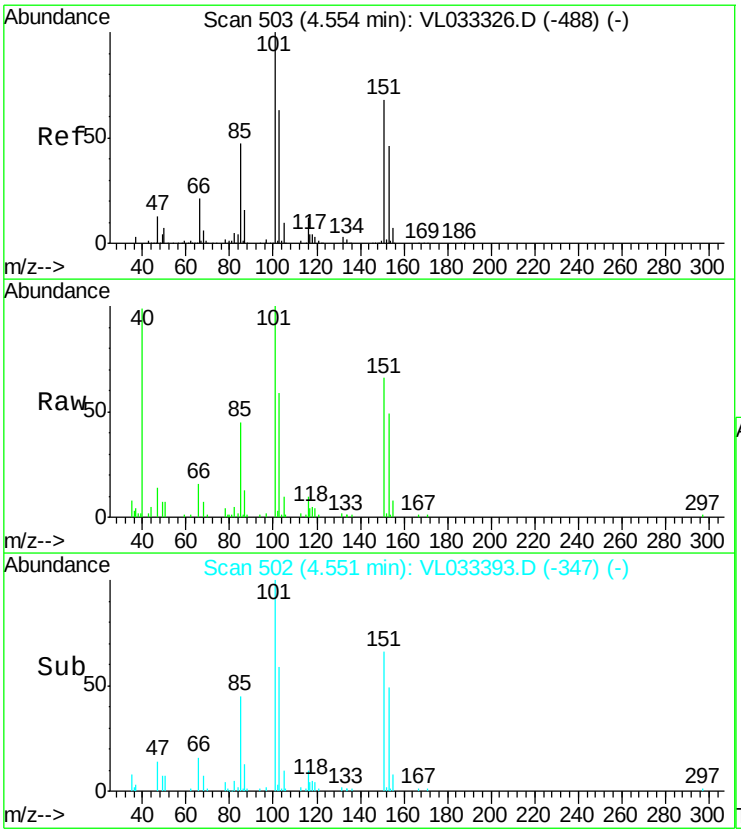
#11
Trichlorofluoromethane
Concen: 0.500 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:101 Resp: 73864

Ion	Ratio	Lower	Upper
101	100		
103	60.0	52.9	79.3

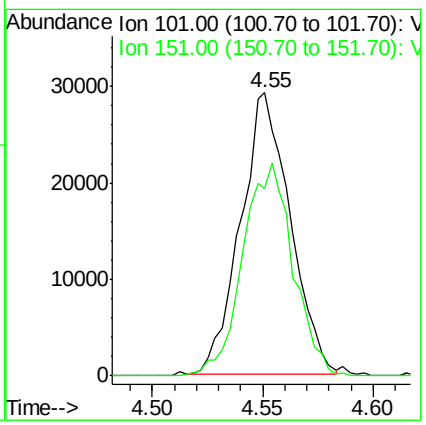


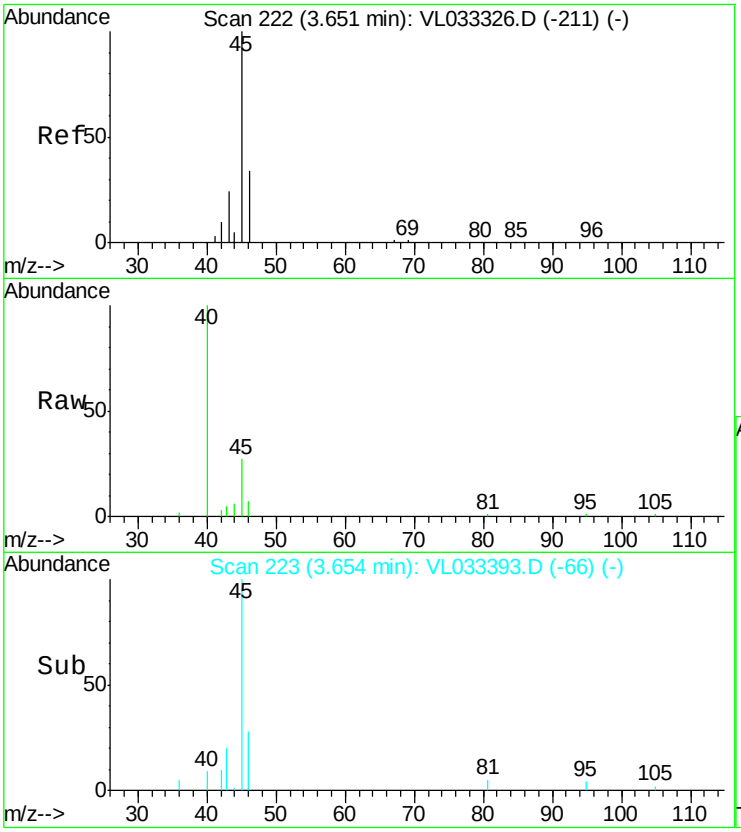


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:101 Resp: 45632

Ion	Ratio	Lower	Upper
101	100		
151	76.4	56.3	84.5



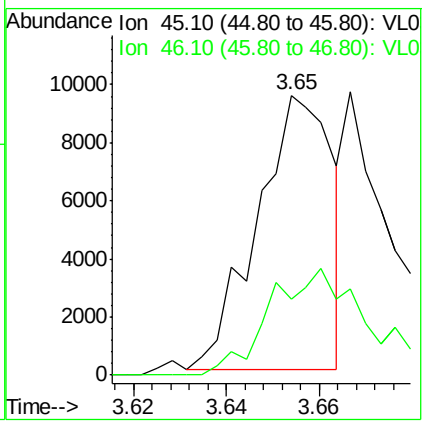


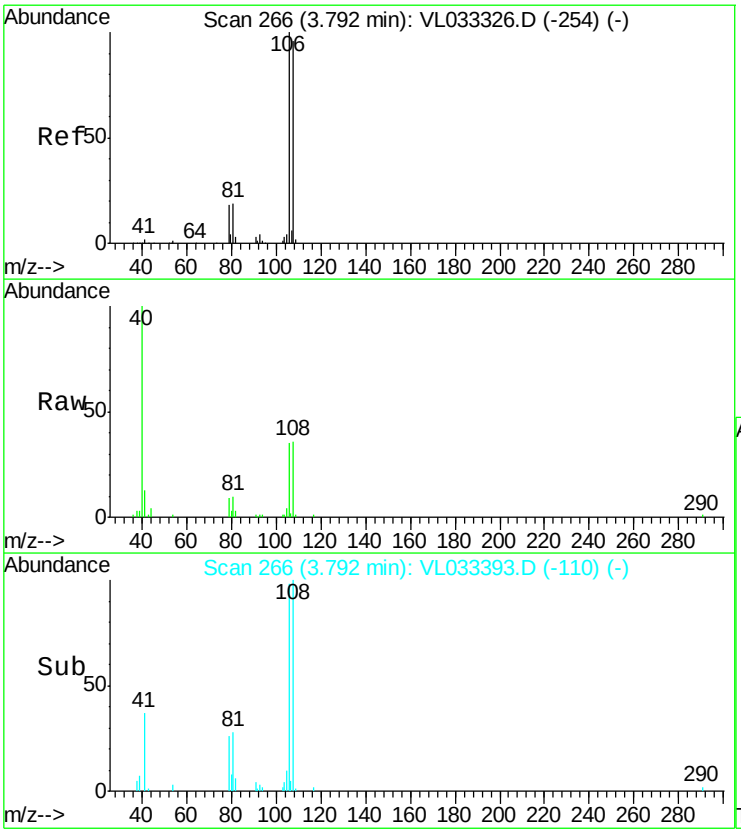
#13
Ethanol
Concen: 0.516 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 45 Resp: 10641

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

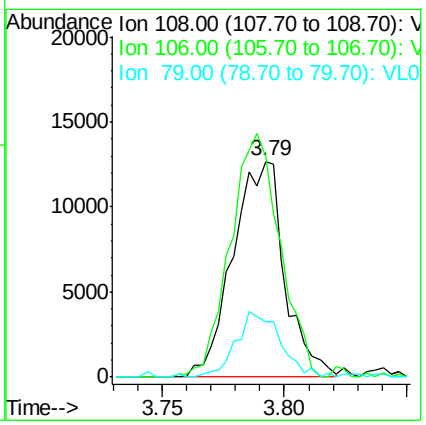


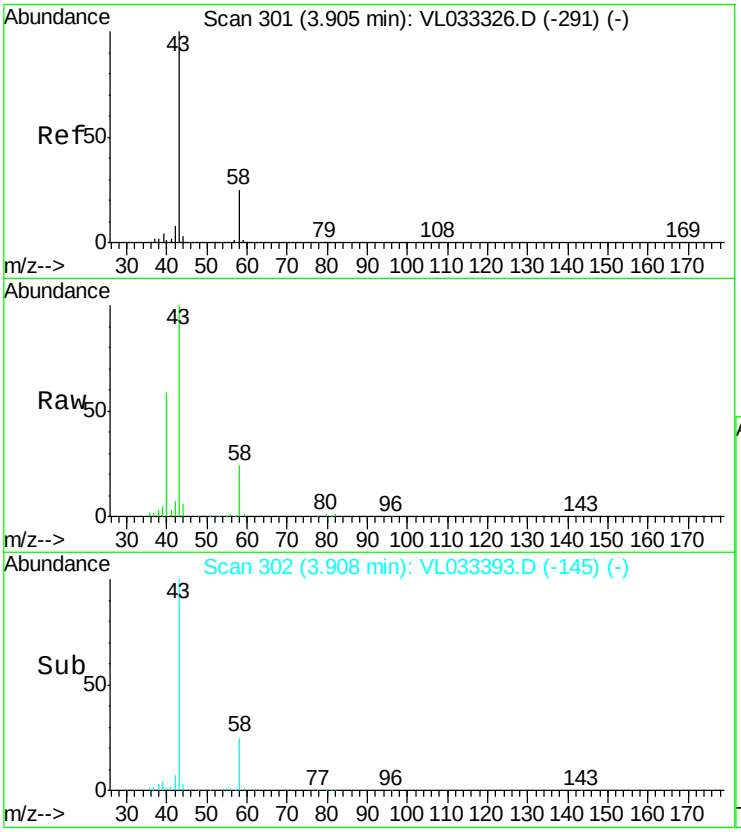


#14
Bromoethene
Concen: 0.457 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:108 Resp: 18665

Ion	Ratio	Lower	Upper
108	100		
106	109.8	86.2	129.2
79	27.3	15.4	23.2#



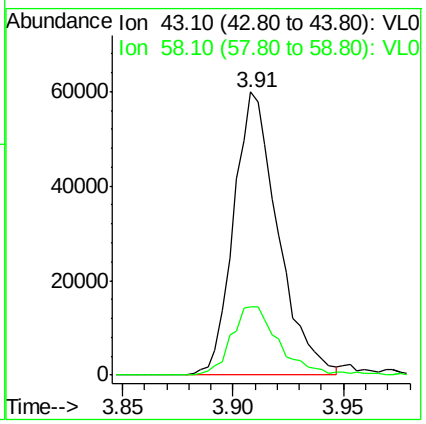


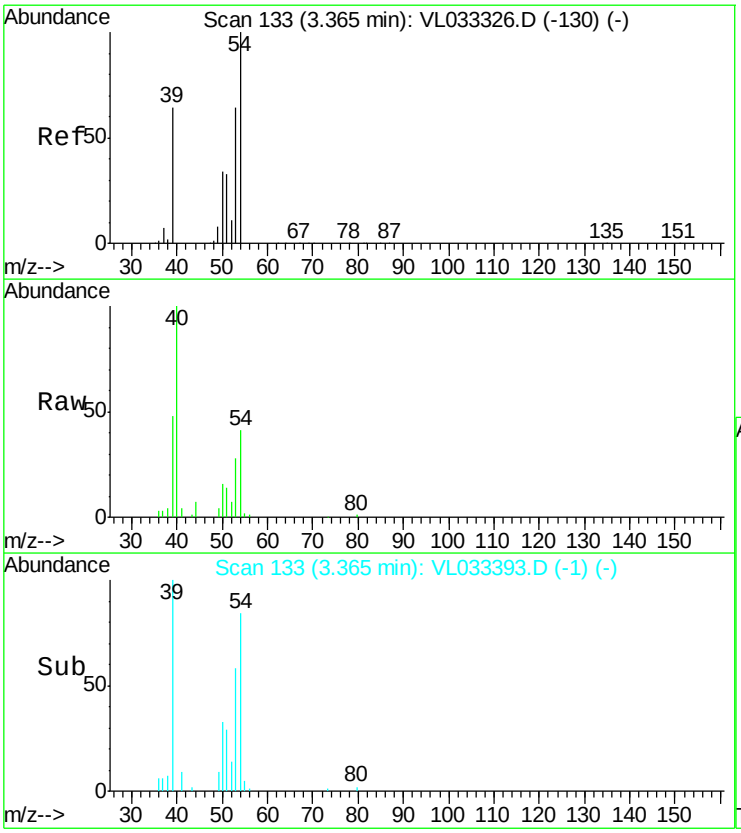
#15
Acetone
Concen: 0.639 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 83830

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.4	30.6

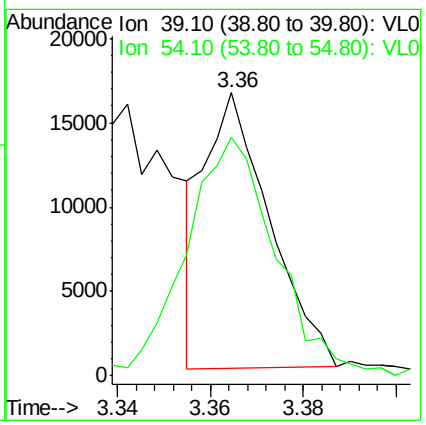


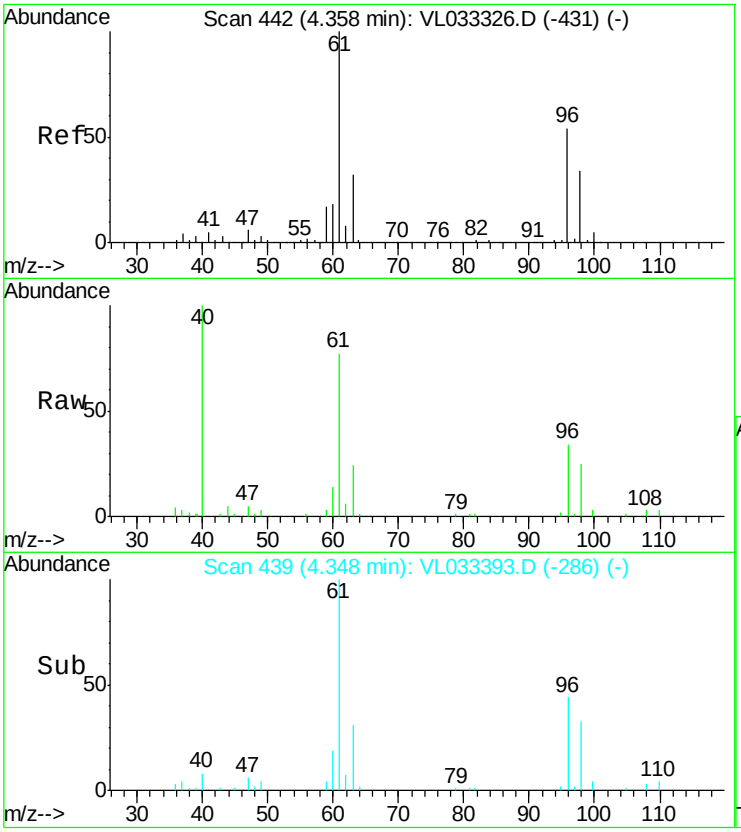


#16
1,3-Butadiene
Concen: 0.374 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 39 Resp: 15915

Ion	Ratio	Lower	Upper
39	100		
54	122.5	76.8	115.2#



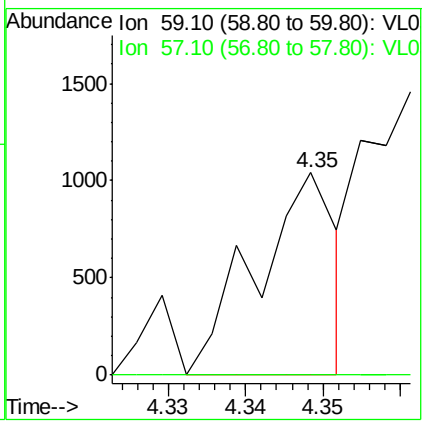


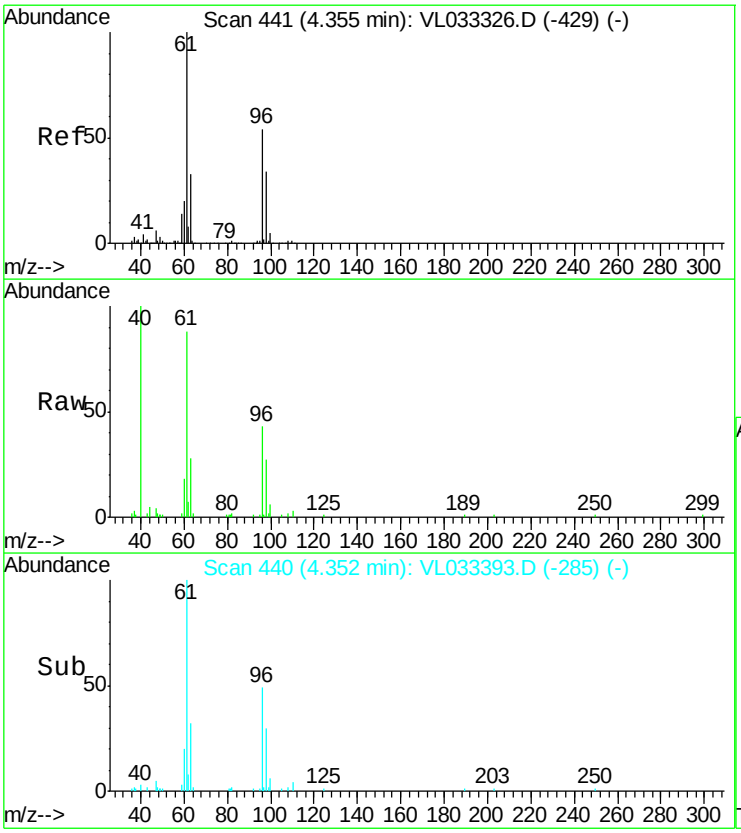
#17
tert-Butyl alcohol
Concen: 0.041 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 59 Resp: 749

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

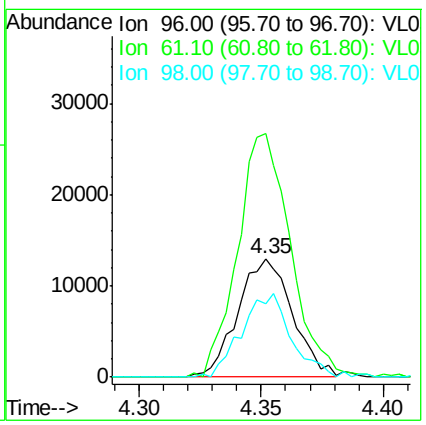


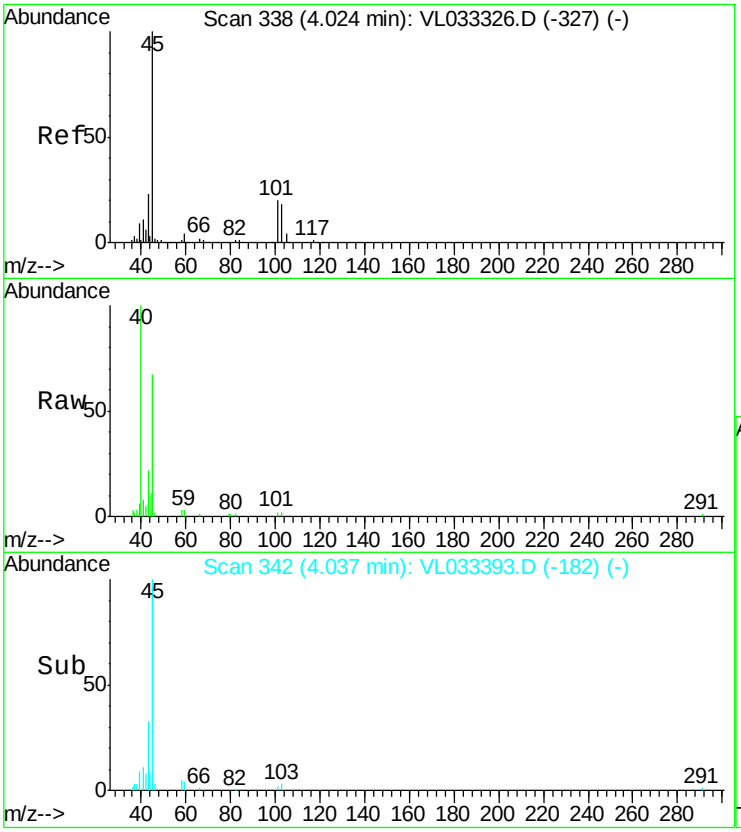


#18
1,1-Dichloroethene
Concen: 0.448 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 96 Resp: 20081

Ion	Ratio	Lower	Upper
96	100		
61	205.5	148.6	222.8
98	62.1	50.3	75.5



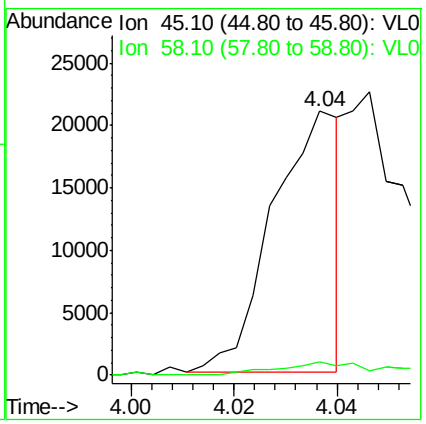


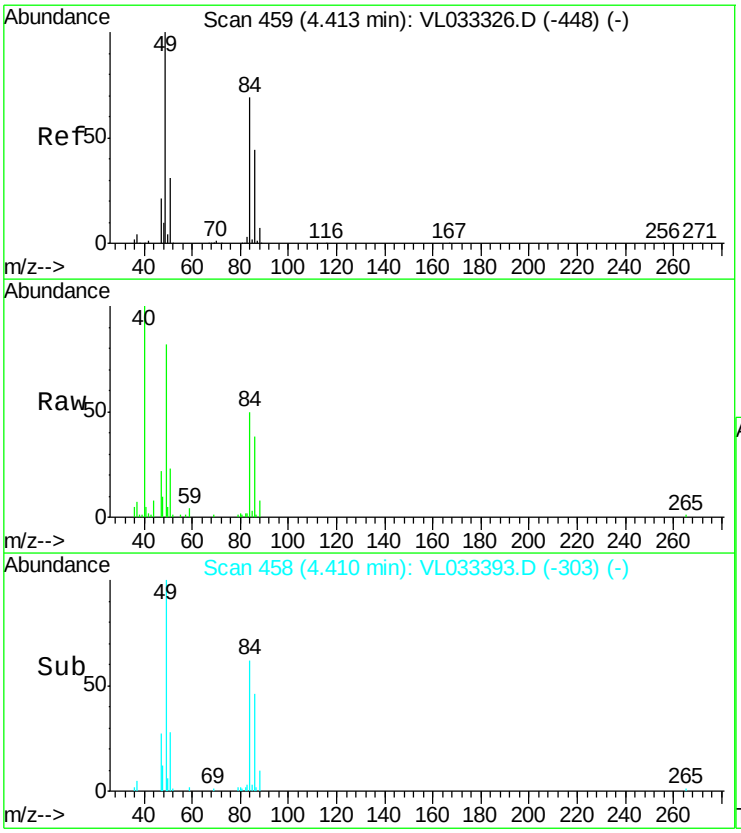
#19
Isopropyl Alcohol
Concen: 0.302 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 45 Resp: 18850

Ion	Ratio	Lower	Upper
45	100		
58	8.3	1.5	2.3#

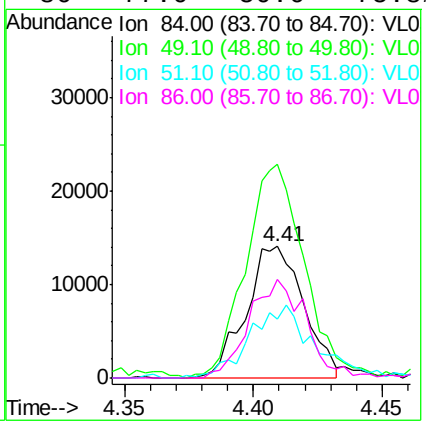


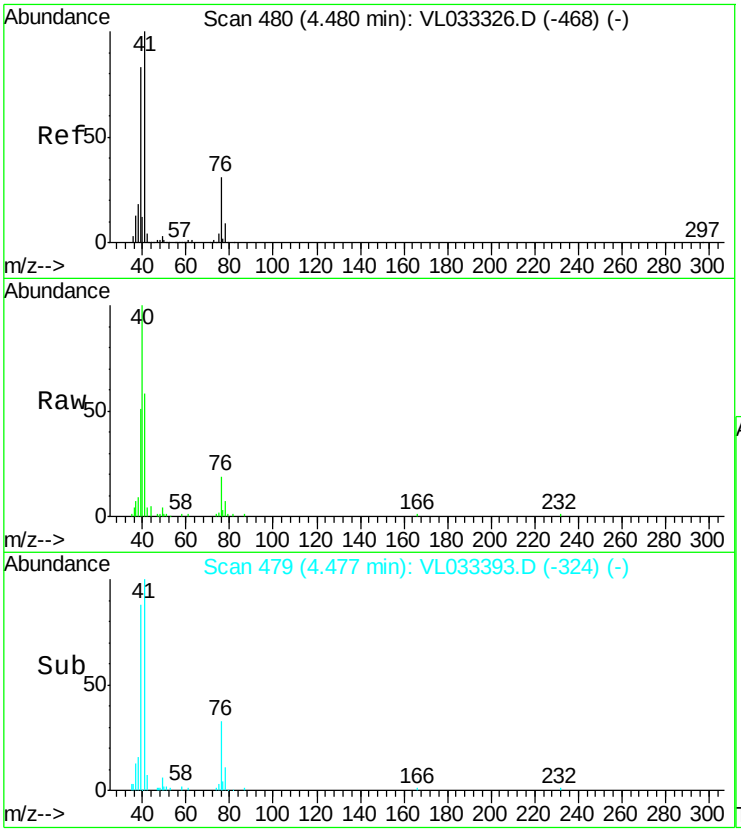


#20
Methylene Chloride
Concen: 0.515 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 84 Resp: 22030

Ion	Ratio	Lower	Upper
84	100		
49	162.0	115.4	173.0
51	42.4	35.8	53.6
86	77.0	50.6	75.8#



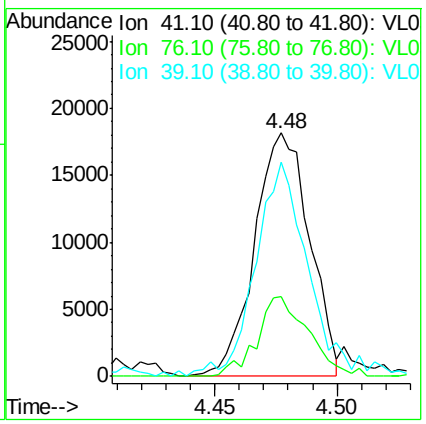


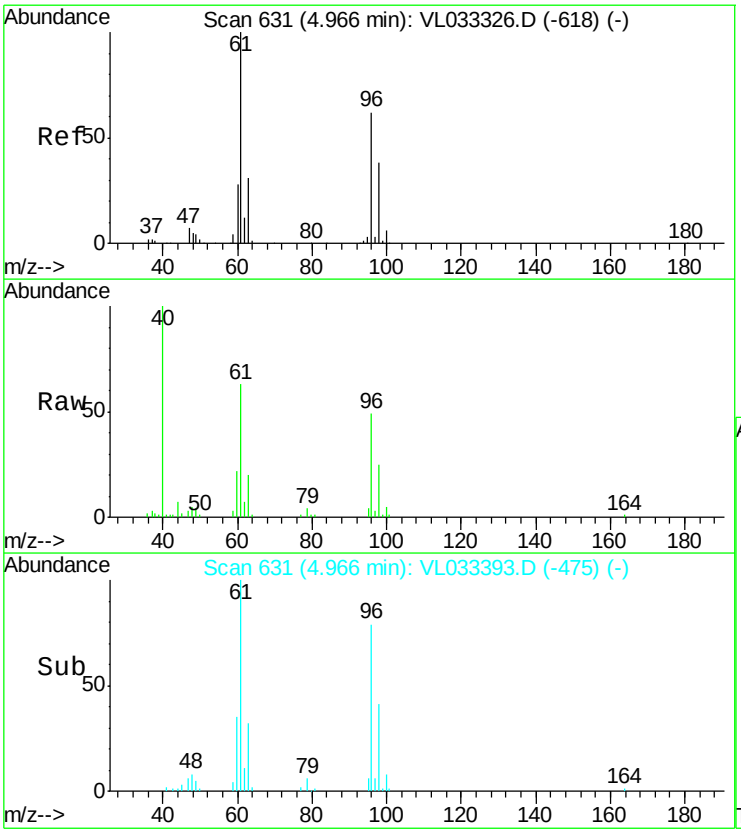
#21
Allyl Chloride
Concen: 0.445 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 41 Resp: 28322

Ion	Ratio	Lower	Upper
41	100		
76	30.8	25.0	37.4
39	85.7	65.9	98.9

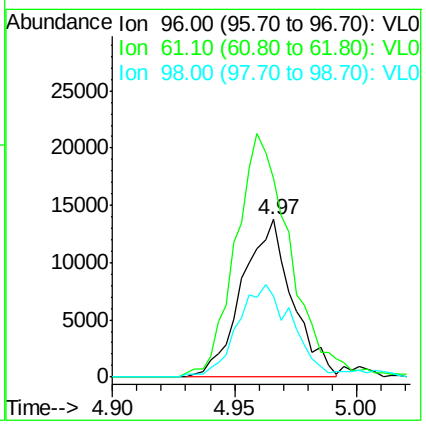


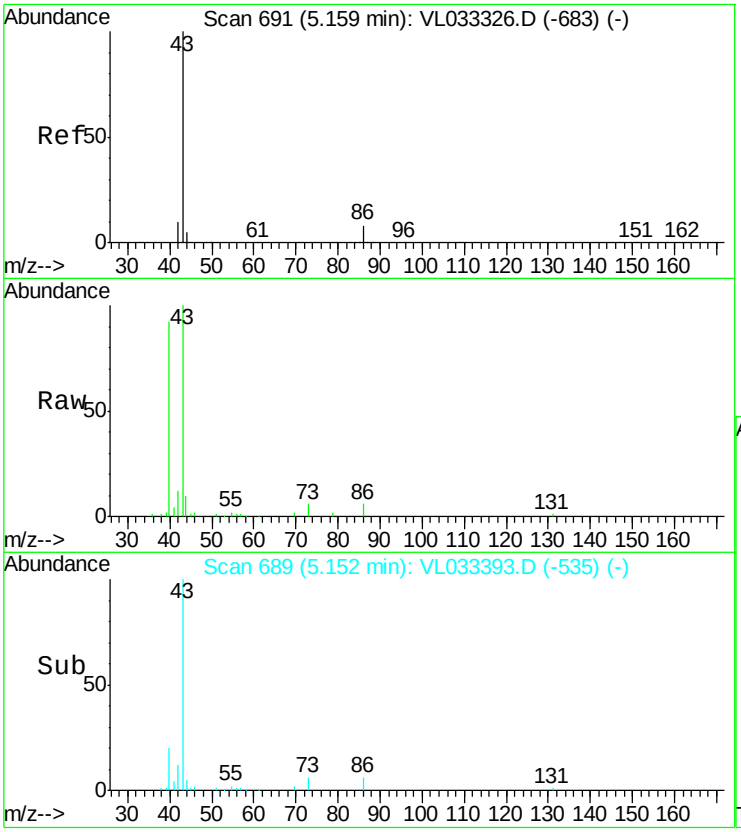


#22
trans-1,2-Dichloroethene
Concen: 0.453 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 96 Resp: 19690

Ion	Ratio	Lower	Upper
96	100		
61	123.9	130.0	195.0#
98	49.7	50.0	75.0#



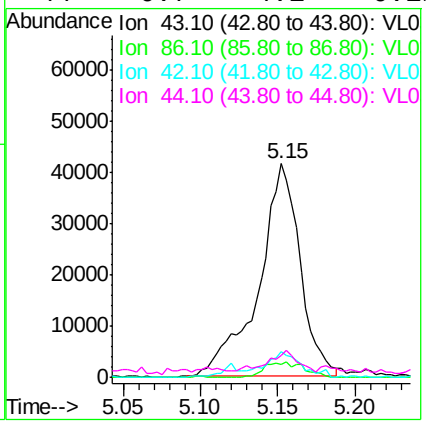


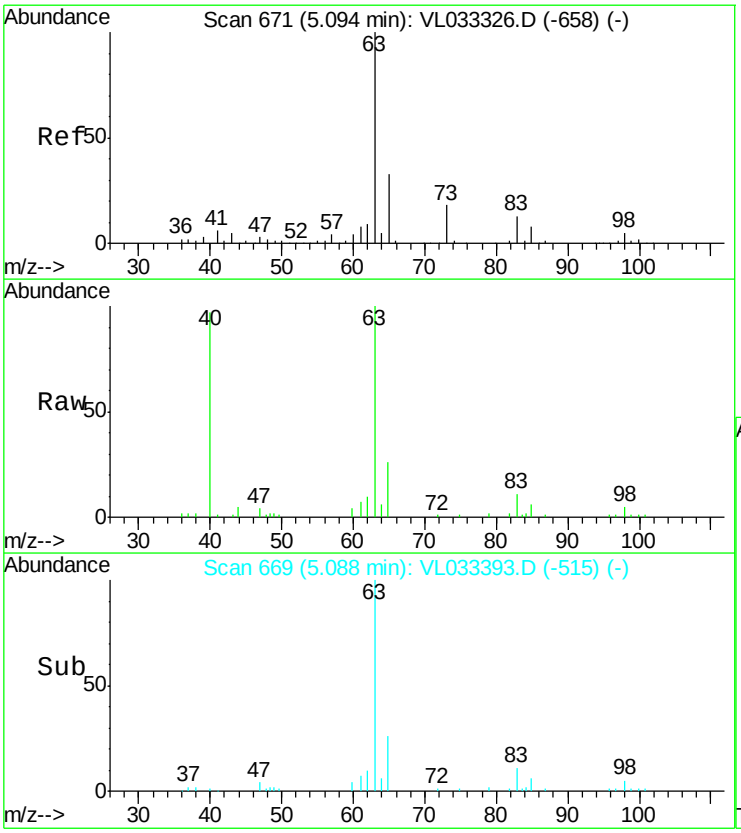
#23
Vinyl Acetate
Concen: 0.508 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 77032

Ion	Ratio	Lower	Upper
43	100		
86	6.0	6.2	9.2#
42	11.8	8.1	12.1
44	6.7	4.1	6.1#

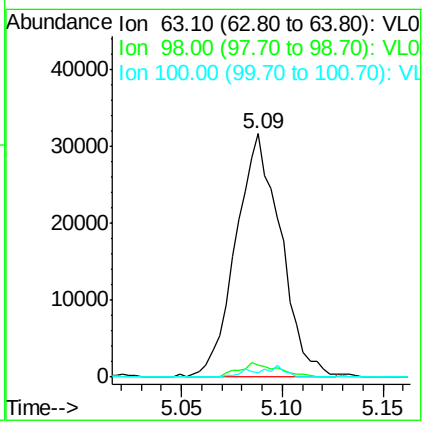


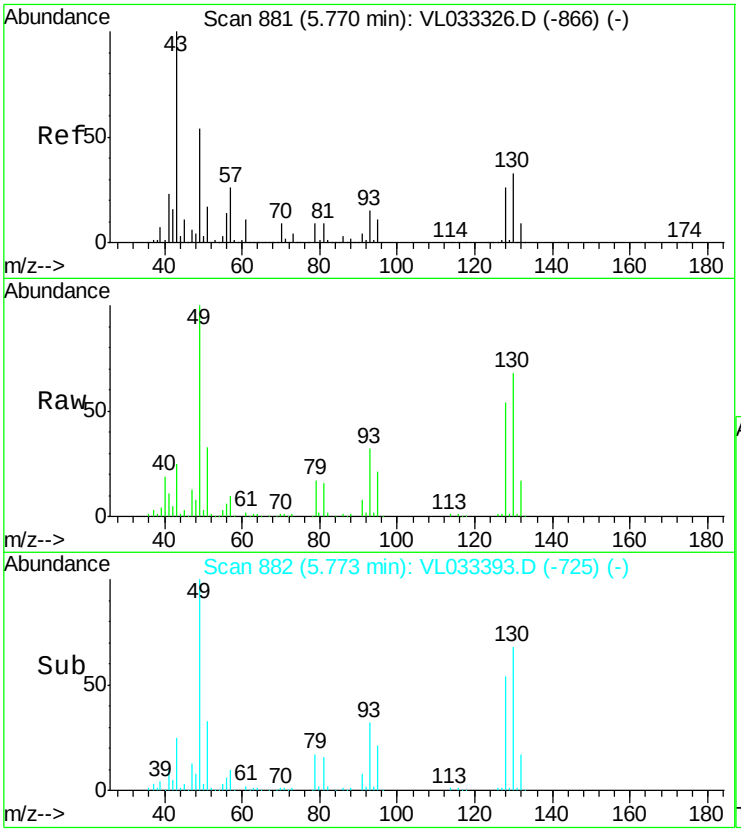


#24
1,1-Dichloroethane
Concen: 0.453 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 63 Resp: 49615

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.1
100	1.5	1.3	3.8



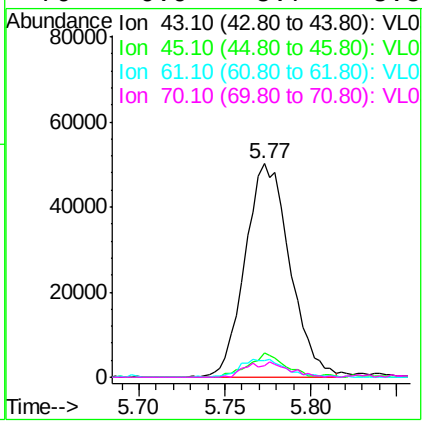


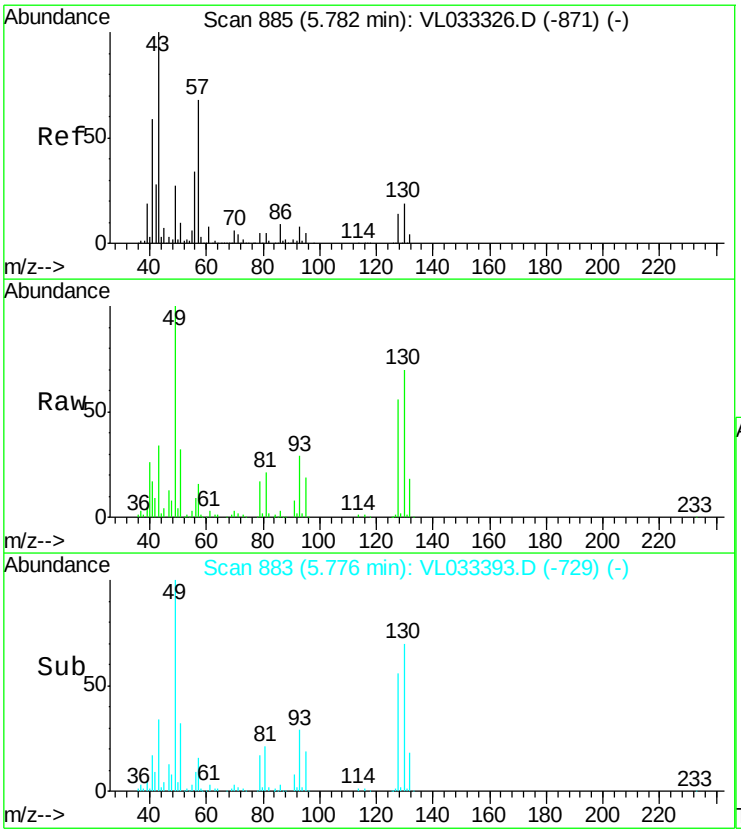
#25
Ethyl Acetate
Concen: 0.475 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 90493

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	8.5	7.4	11.2
70	6.9	5.7	8.5

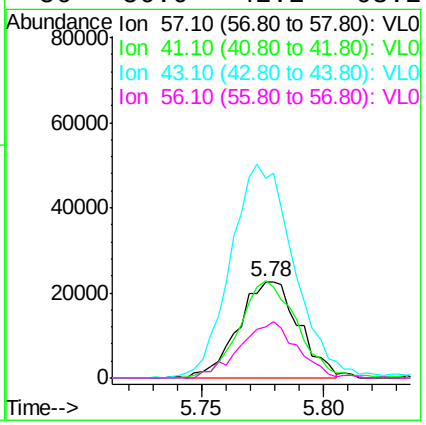


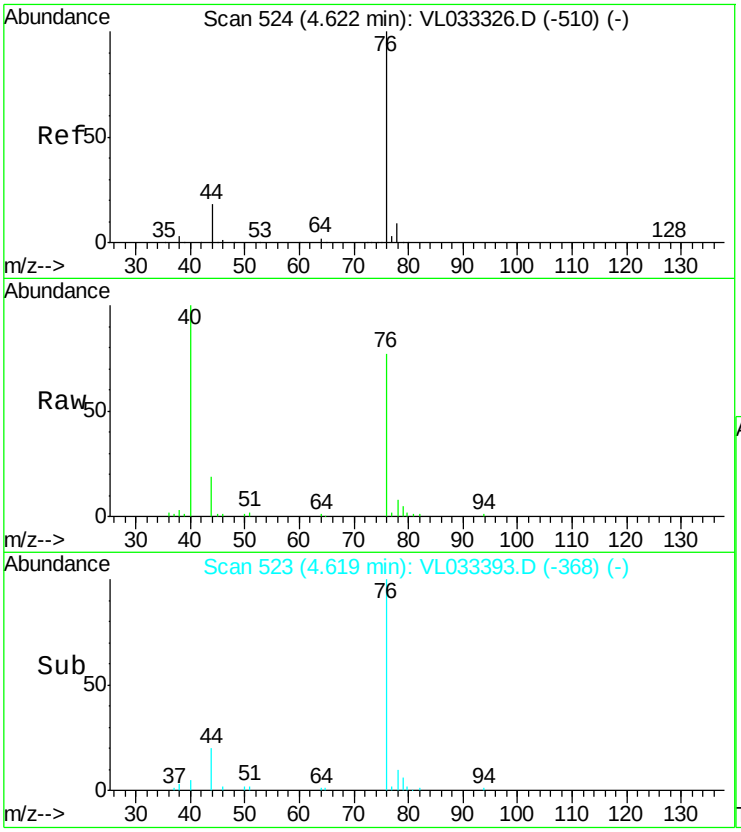


#26
Hexane
Concen: 0.452 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 57 Resp: 38544

Ion	Ratio	Lower	Upper
57	100		
41	97.4	70.5	105.7
43	240.7	181.8	272.8
56	56.0	42.2	63.2



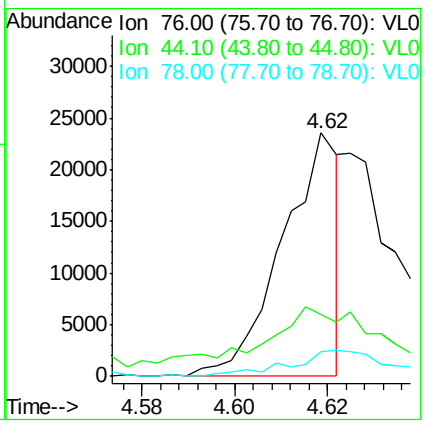


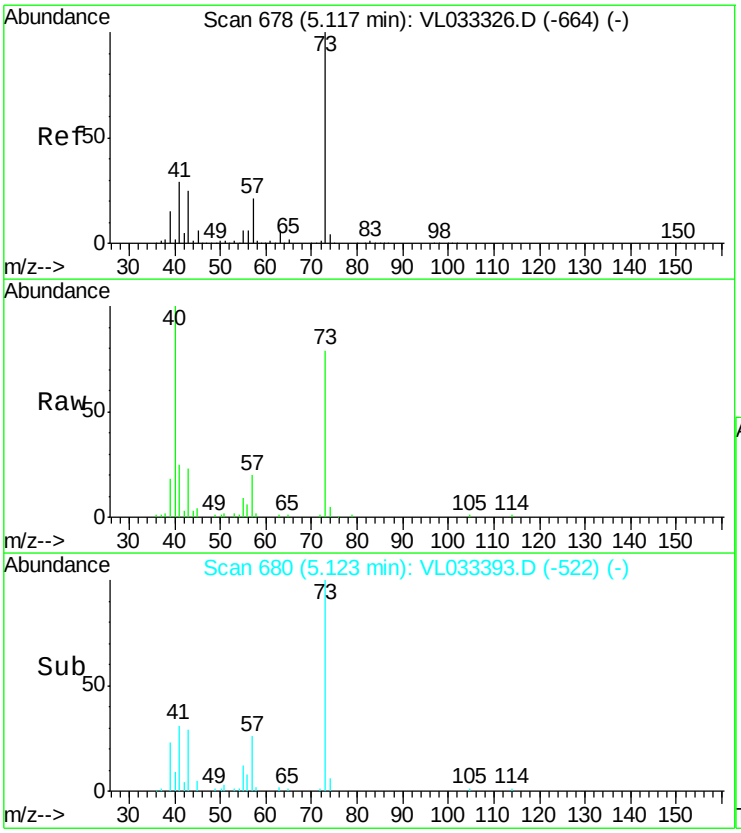
#27
Carbon Disulfide
Concen: 0.204 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 76 Resp: 19972

Ion	Ratio	Lower	Upper
76	100		
44	59.5	15.2	22.8#
78	0.0	7.2	10.8#

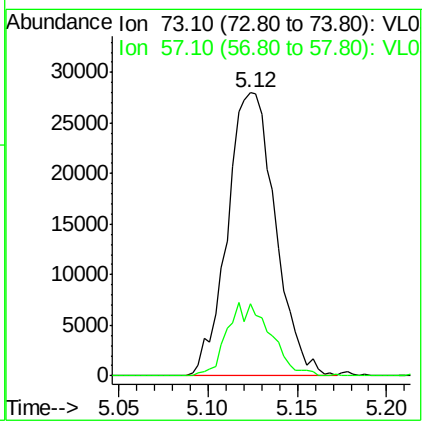


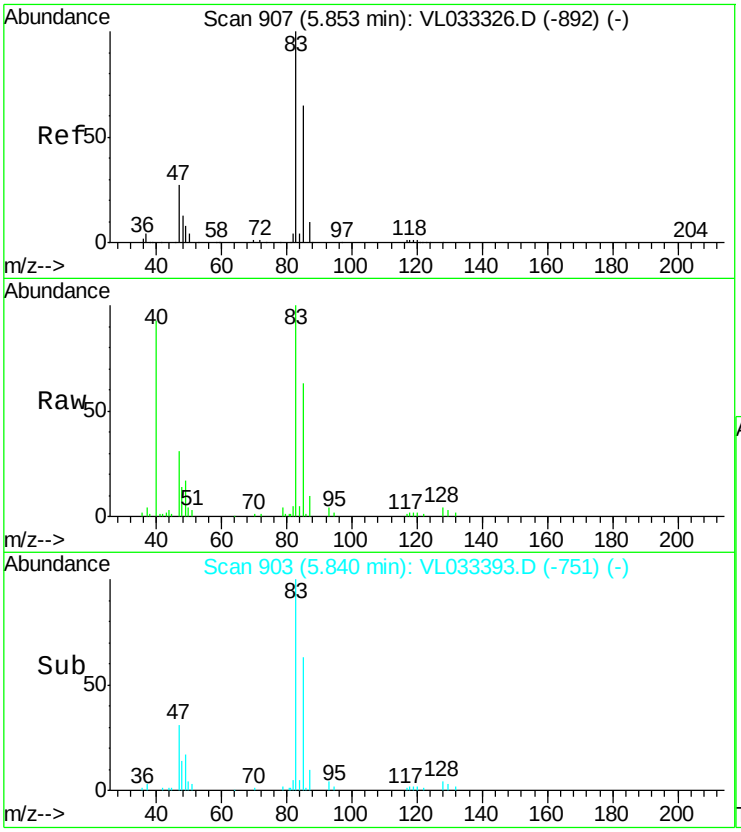


#28
Methyl tert-Butyl Ether
Concen: 0.413 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 73 Resp: 52310

Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.4	26.0



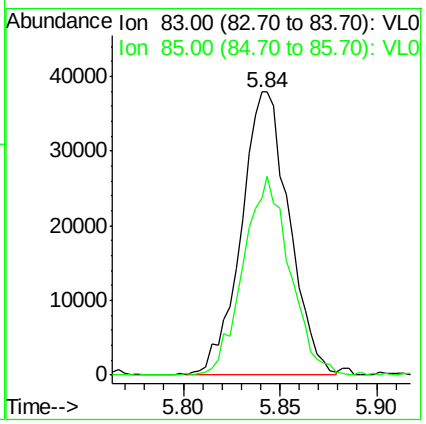


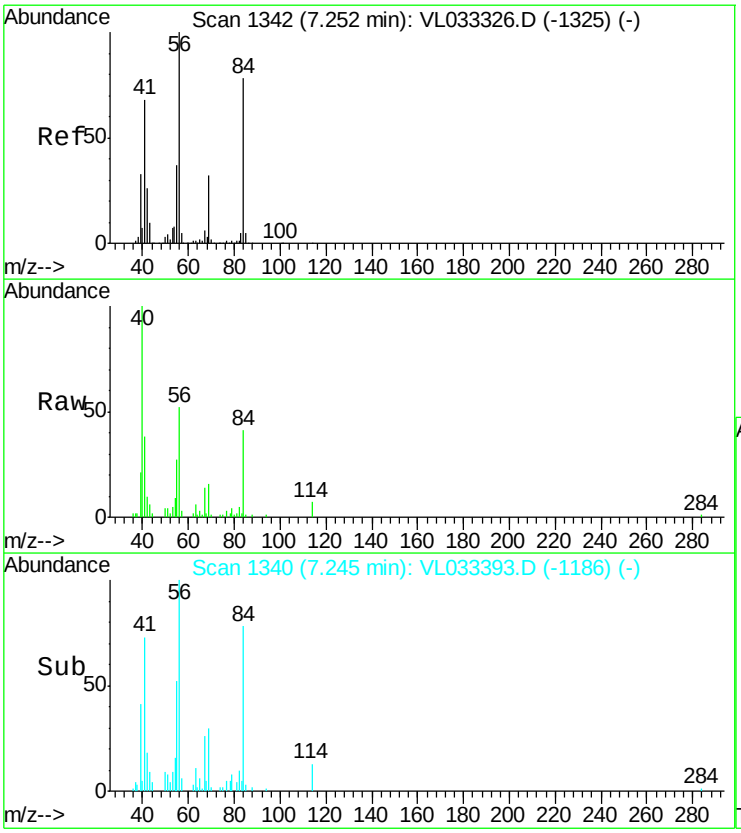
#29
Chloroform
Concen: 0.470 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 65533

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.0	78.0

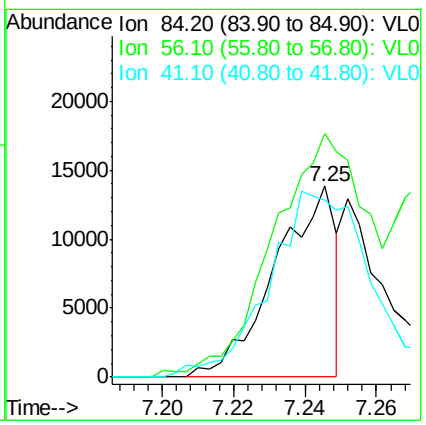


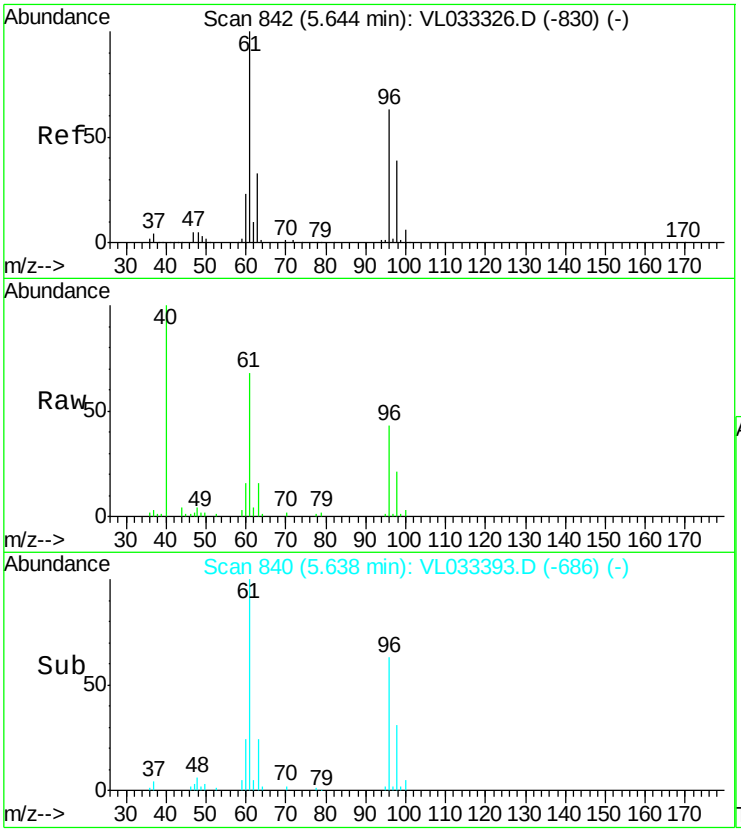


#30
Cyclohexane
Concen: 0.238 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 84 Resp: 16268

Ion	Ratio	Lower	Upper
84	100		
56	196.0	111.3	166.9#
41	163.2	69.6	104.4#



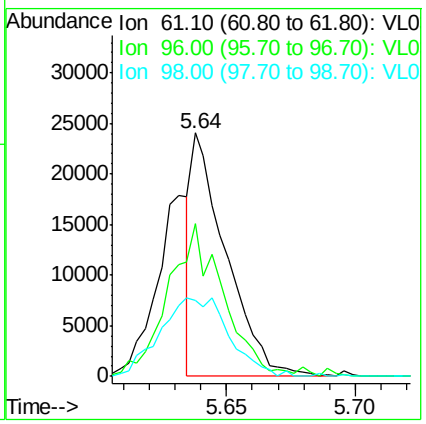


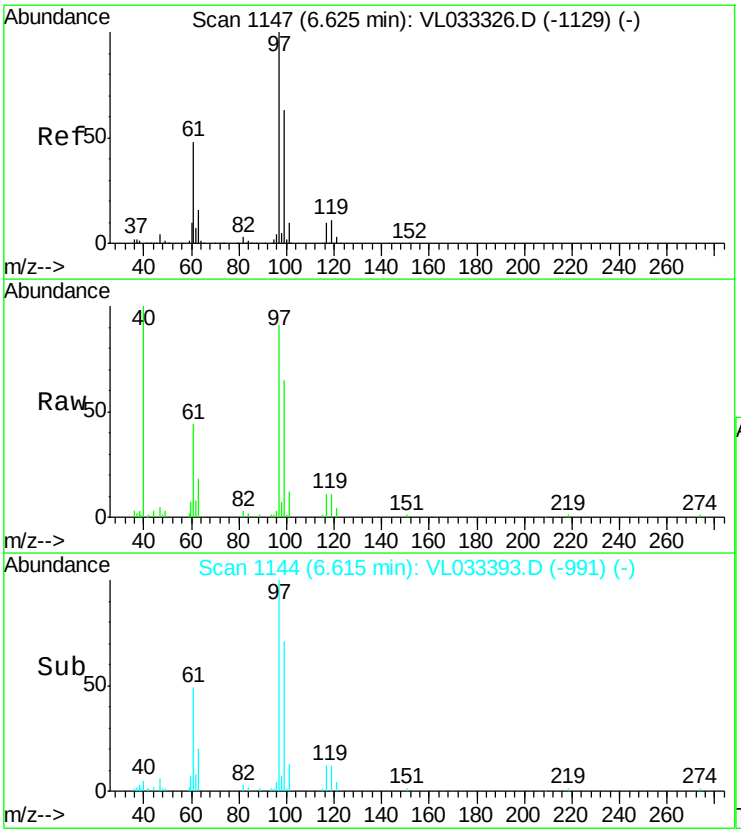
#31
cis-1,2-Dichloroethene
Concen: 0.260 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 61 Resp: 22112

Ion	Ratio	Lower	Upper
61	100		
96	61.5	50.3	75.5
98	33.4	31.5	47.3

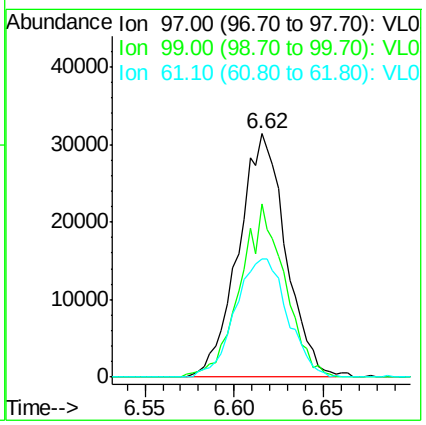


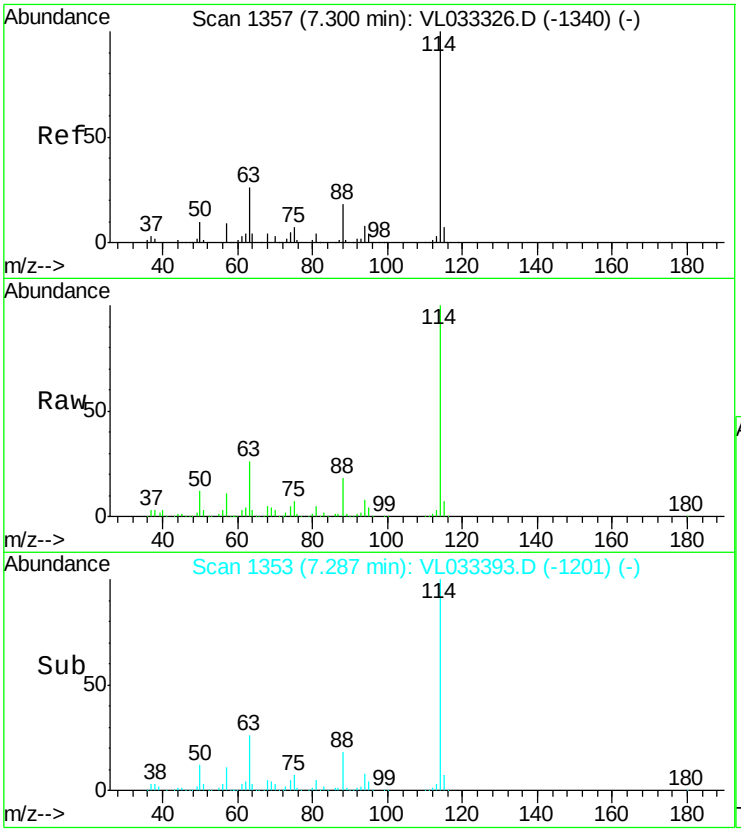


#32
1,1,1-Trichloroethane
Concen: 0.426 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 97 Resp: 58369

Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.0	76.6
61	53.2	39.3	58.9



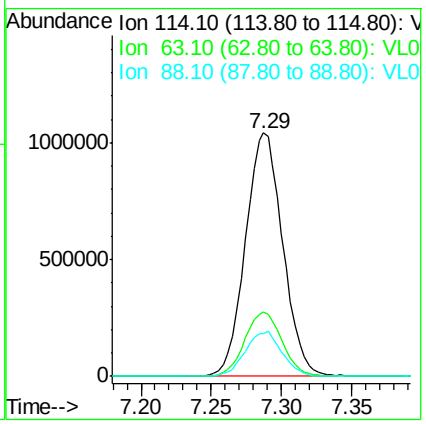


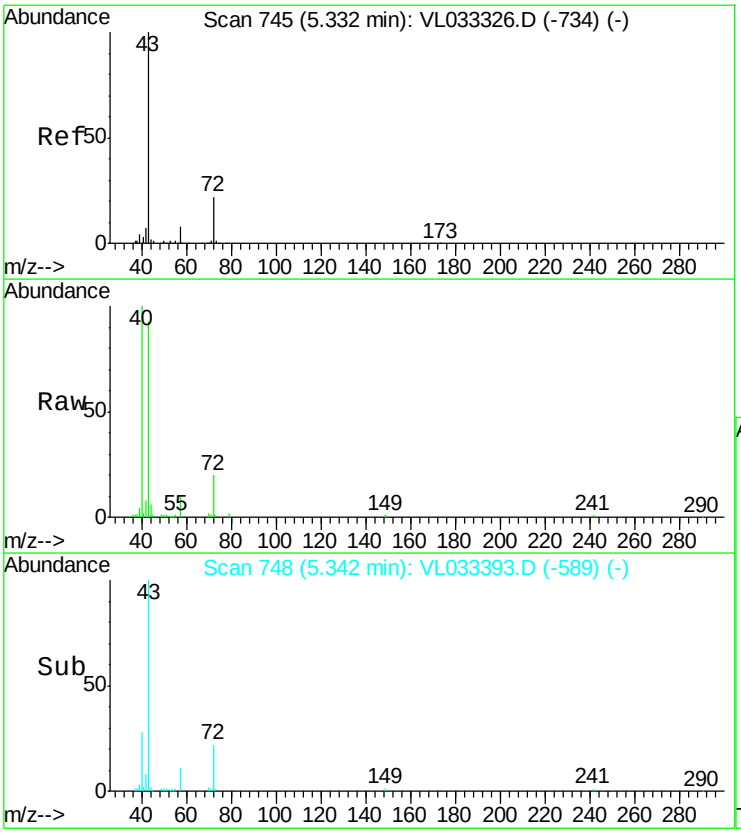
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:114 Resp: 1926546

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

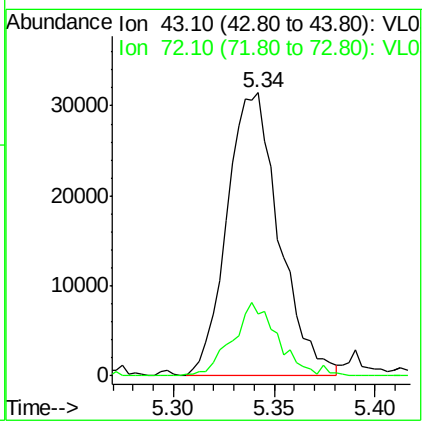


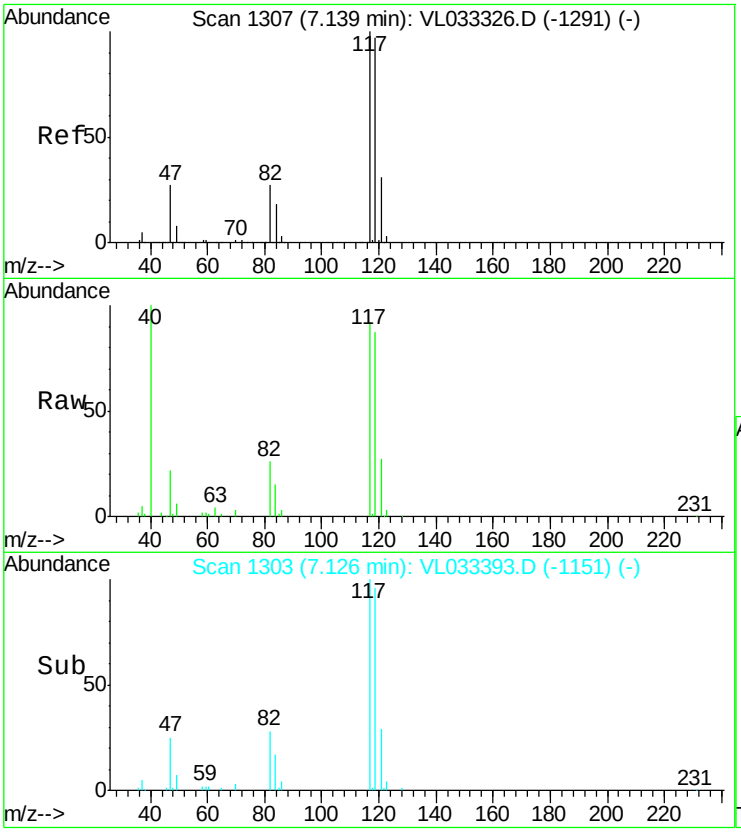


#34
2-Butanone
Concen: 0.450 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 43 Resp: 56994

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.7	26.5



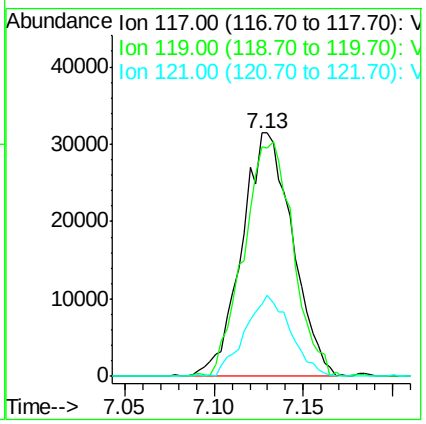


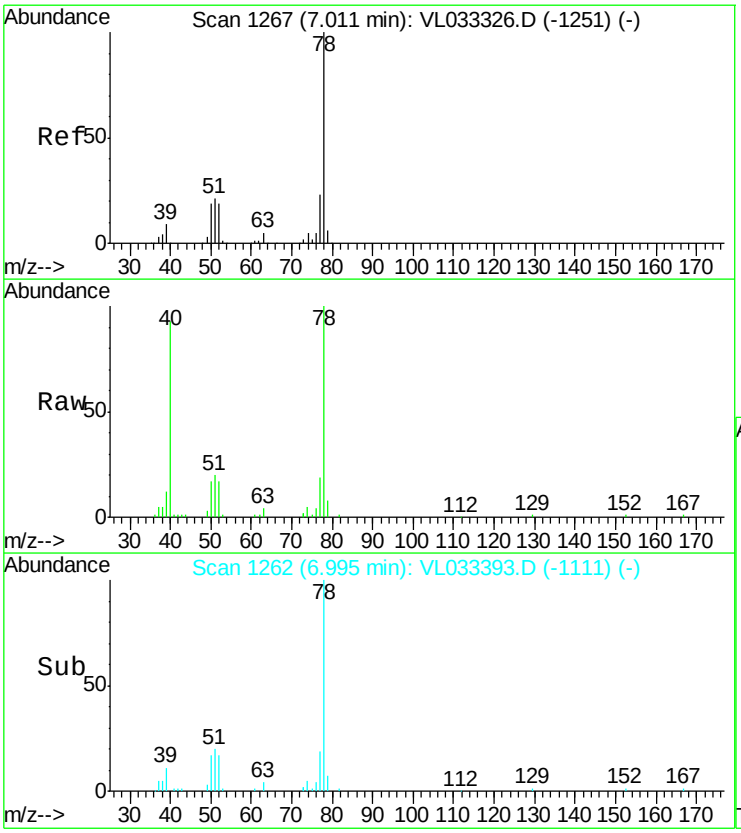
#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:117 Resp: 62420

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.4	116.0
121	29.6	24.9	37.3

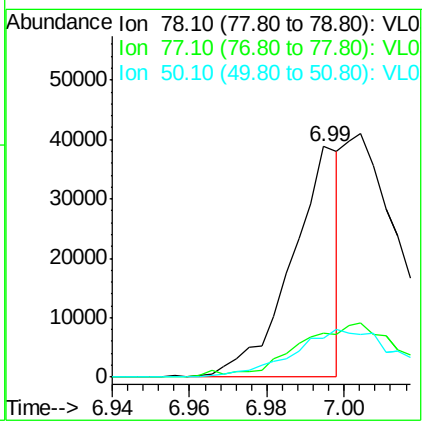


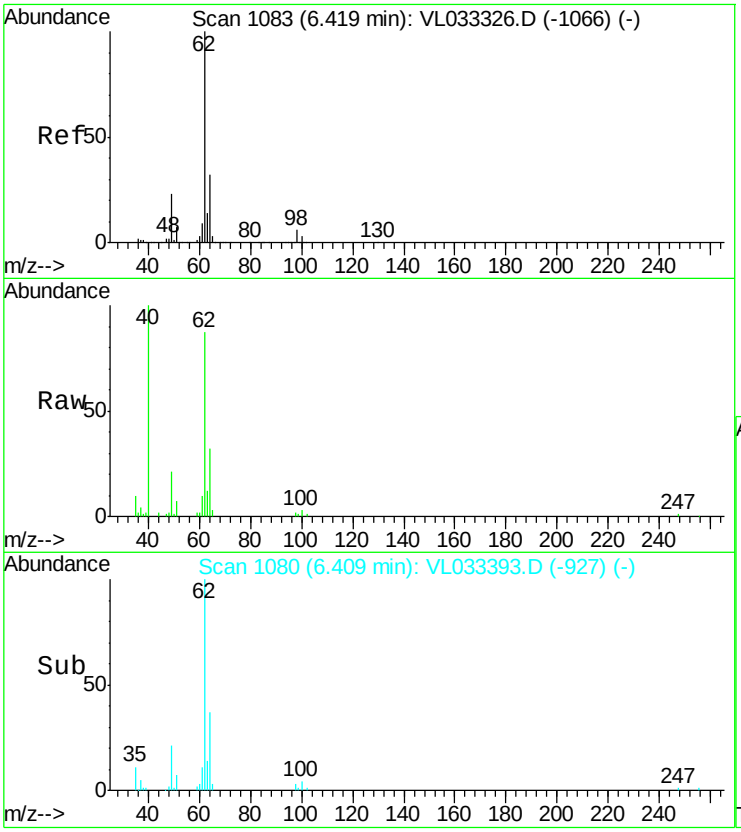


#36
Benzene
Concen: 0.194 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 78 Resp: 33365

Ion	Ratio	Lower	Upper
78	100		
77	19.2	18.1	27.1
50	16.5	15.2	22.8



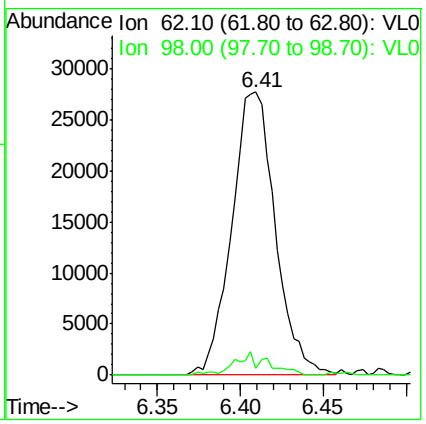


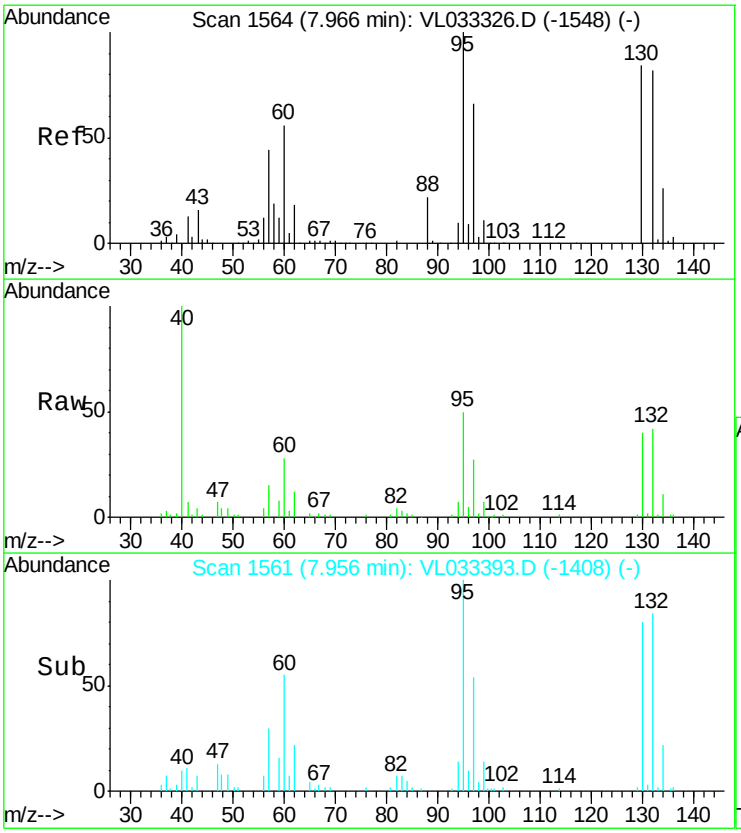
#37
1,2-Dichloroethane
Concen: 0.464 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 50594

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.5	6.7

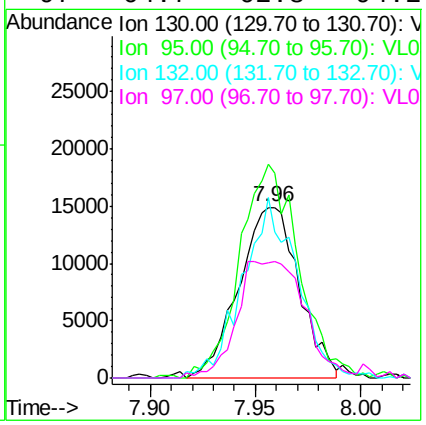


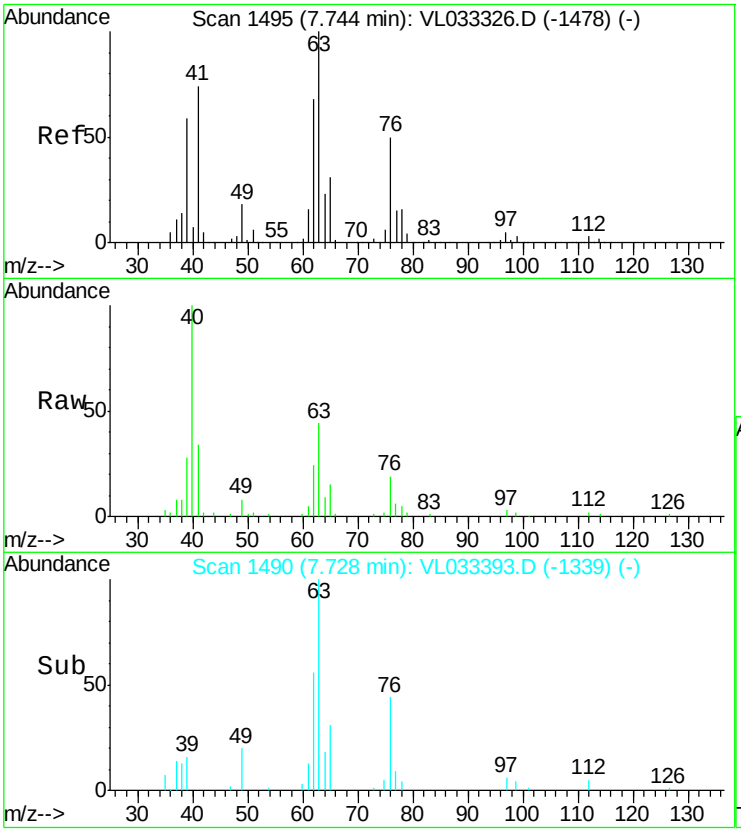


#38
Trichloroethene
Concen: 0.453 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:130 Resp: 29541

Ion	Ratio	Lower	Upper
130	100		
95	125.3	95.2	142.8
132	101.8	77.7	116.5
97	64.7	62.8	94.2



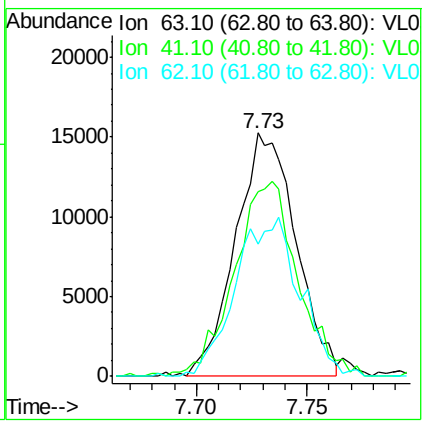


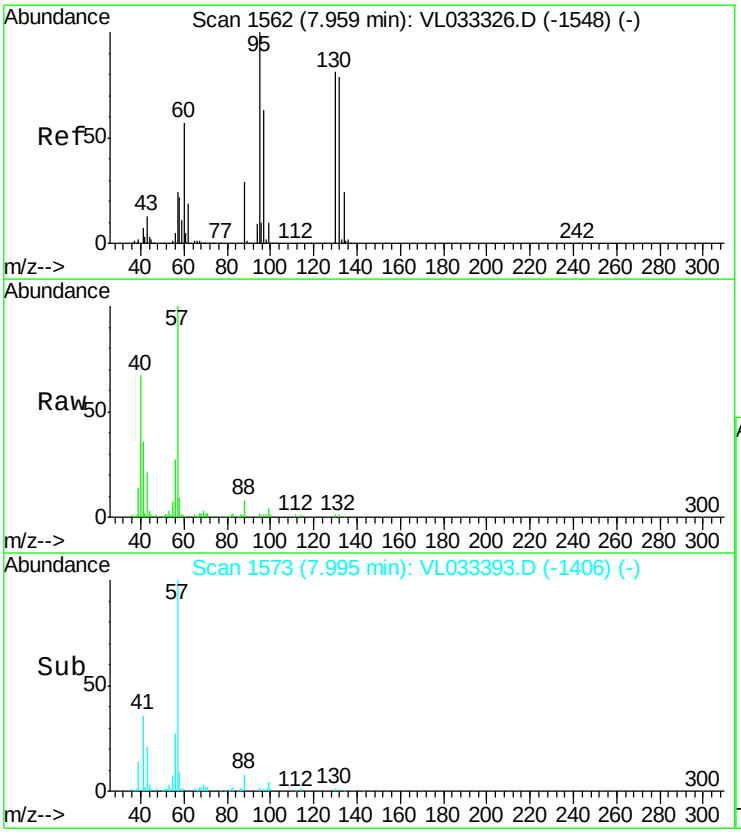
#39
1,2-Dichloropropane
Concen: 0.450 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 63 Resp: 29035

Ion	Ratio	Lower	Upper
63	100		
41	73.5	59.5	89.3
62	52.5	54.7	82.1#

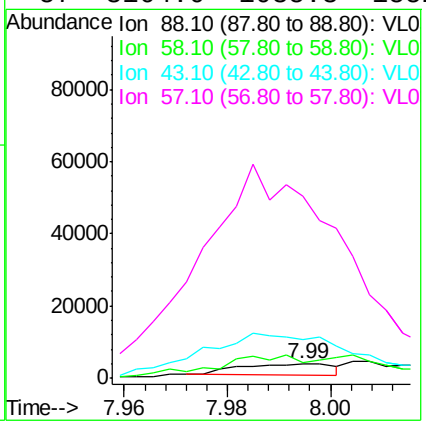


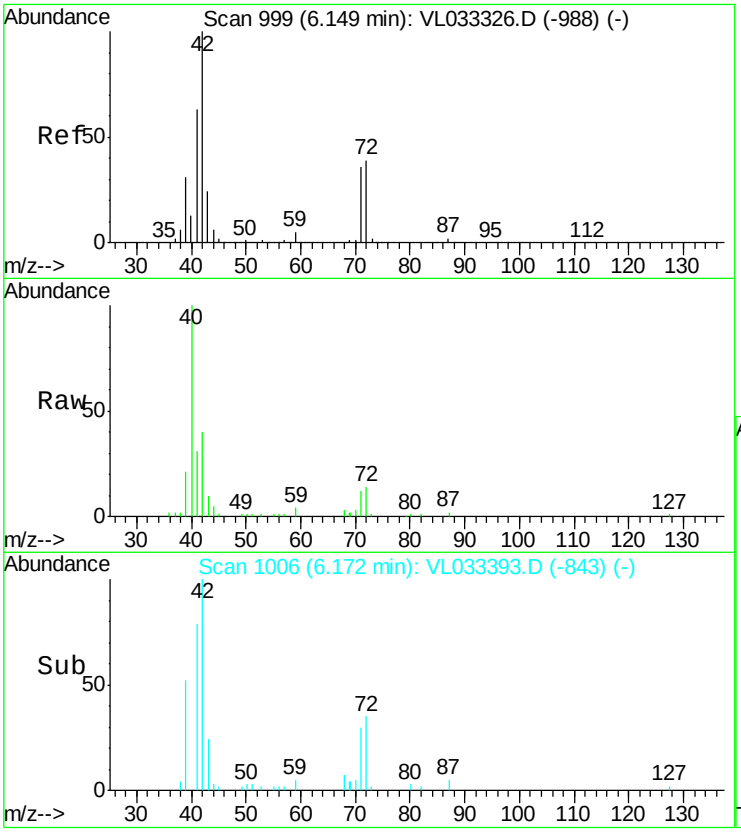


#40
1,4-Dioxane
Concen: 0.172 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.04 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 88 Resp: 3912

Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.9	161.9#
43	738.4	230.8	346.2#
57	3164.0	1035.3	1552.9#



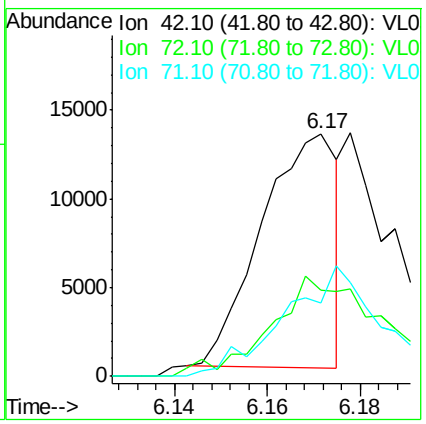


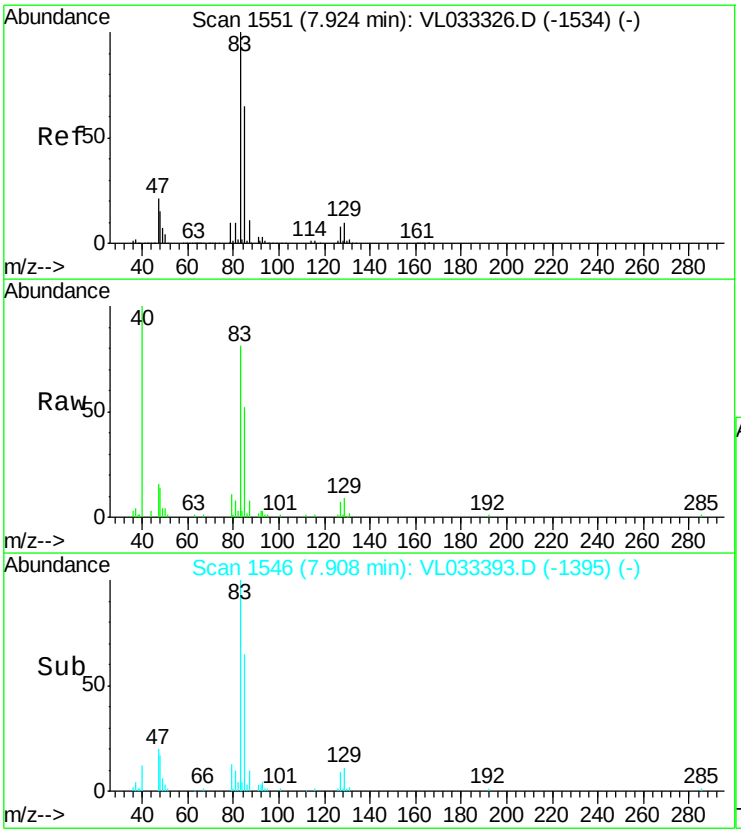
#41
Tetrahydrofuran
Concen: 0.222 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 42 Resp: 14984

Ion	Ratio	Lower	Upper
42	100		
72	63.9	31.6	47.4#
71	0.0	29.9	44.9#

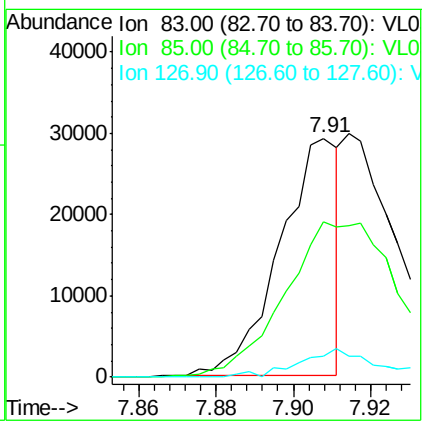


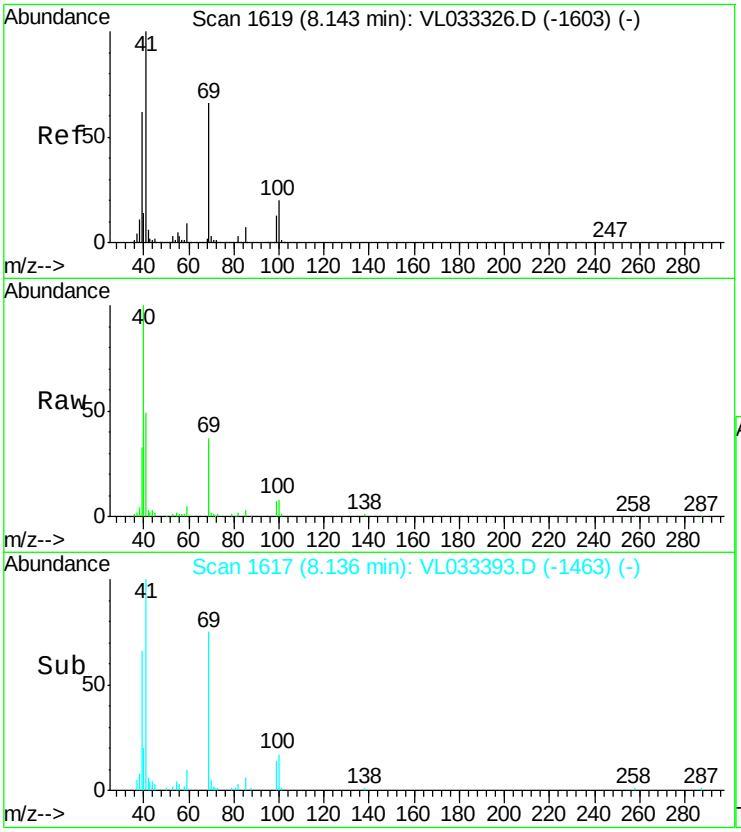


#42
Bromodichloromethane
Concen: 0.210 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 83 Resp: 30649

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	9.0	6.2	9.2



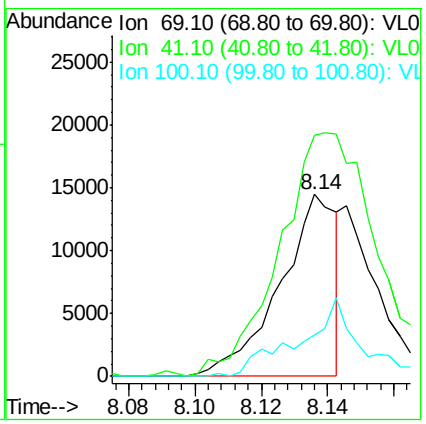


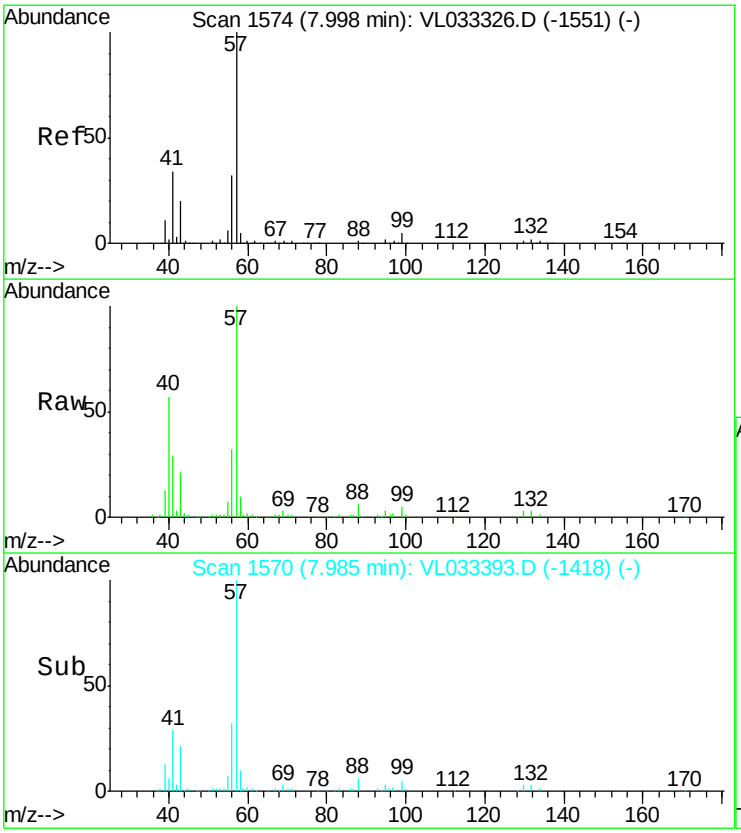
#43
Methyl Methacrylate
Concen: 0.255 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 69 Resp: 17148

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.5	179.3#
100	0.0	24.4	36.6#

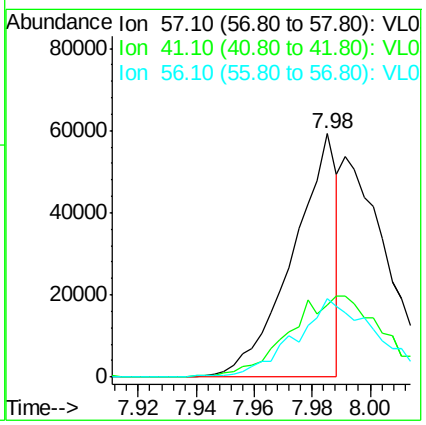


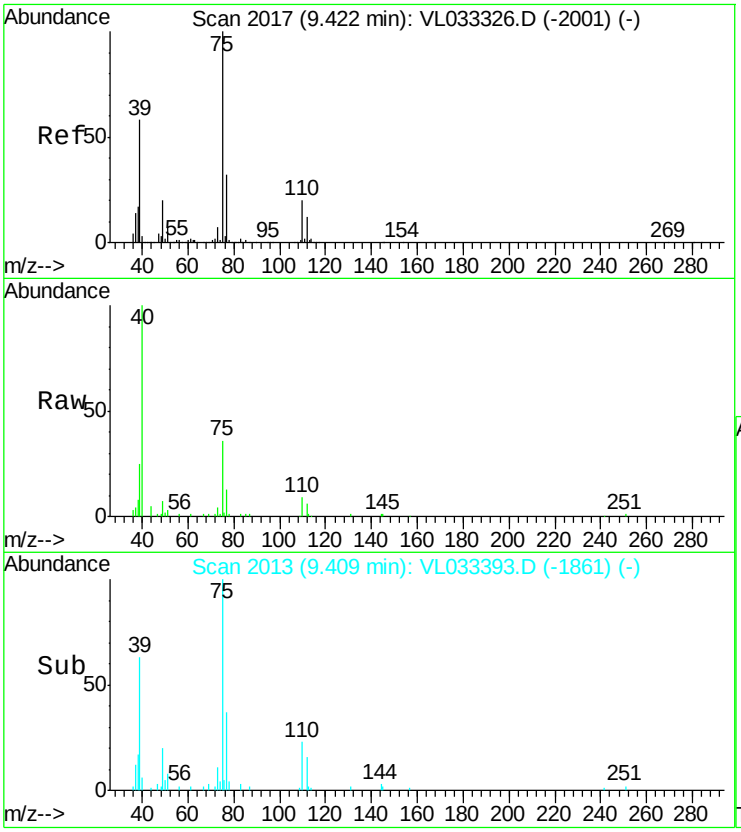


#44
2,2,4-Trimethylpentane
Concen: 0.221 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 57 Resp: 63069

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	59.7	24.6	36.8#



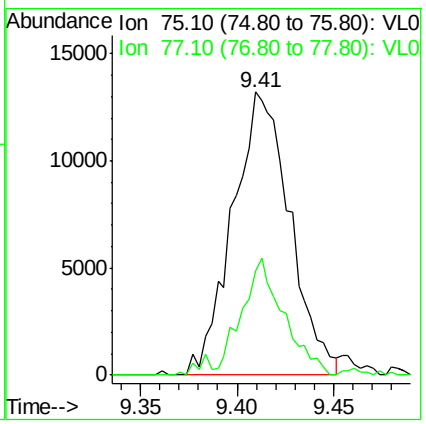


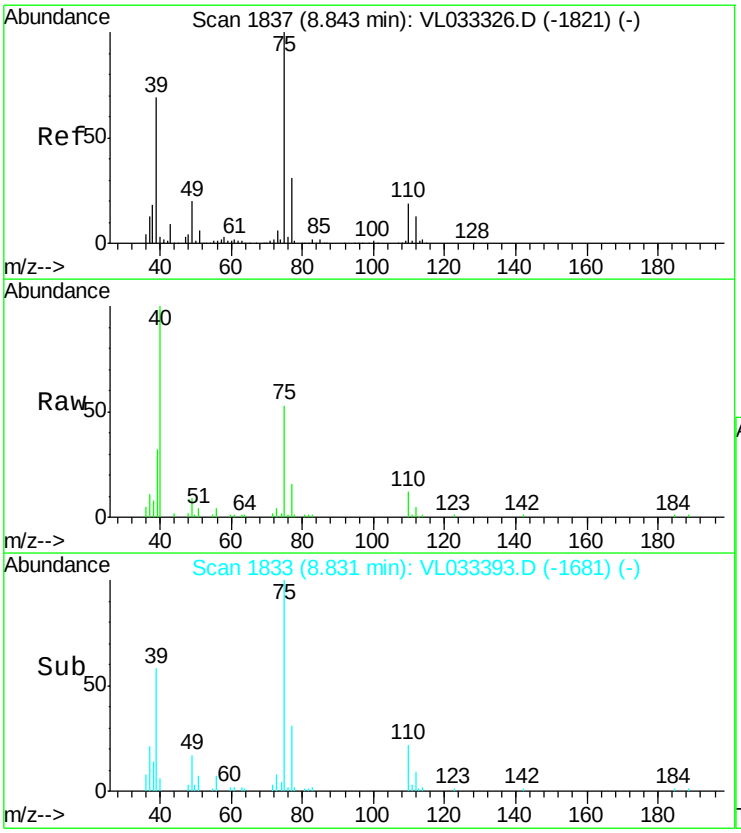
#45
t-1,3-Dichloropropene
Concen: 0.328 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 75 Resp: 27160

Ion	Ratio	Lower	Upper
75	100		
77	36.9	25.5	38.3

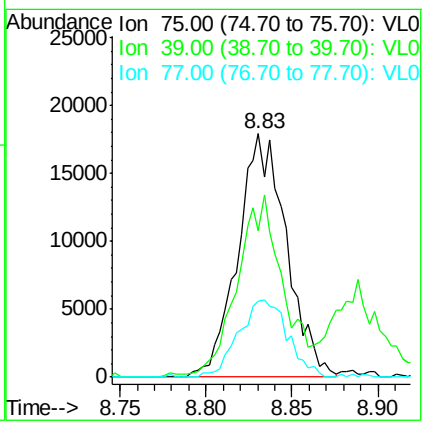


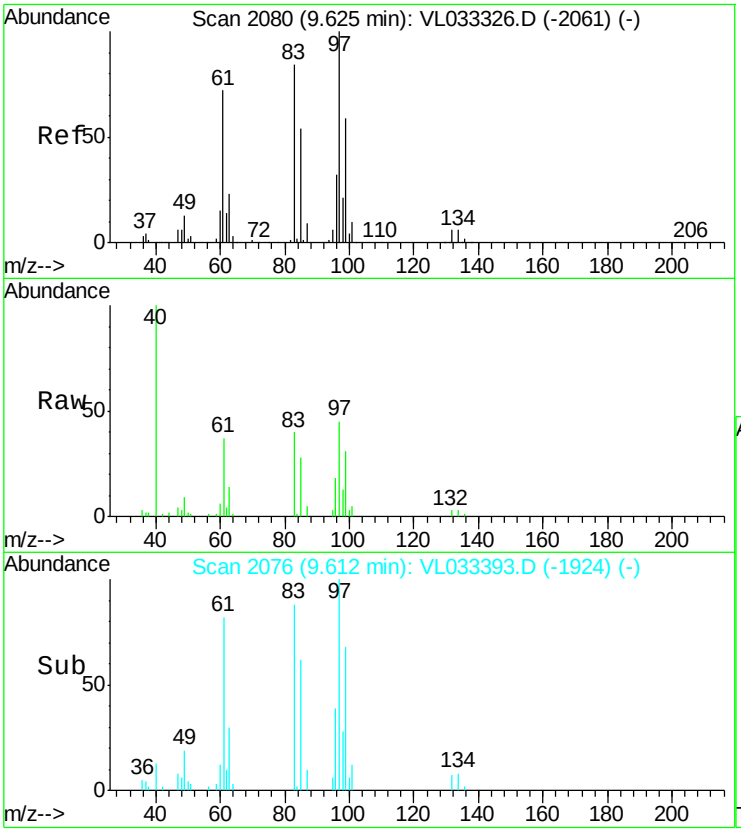


#46
cis-1,3-Dichloropropene
Concen: 0.359 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 75 Resp: 35055

Ion	Ratio	Lower	Upper
75	100		
39	59.3	55.0	82.6
77	30.9	24.5	36.7



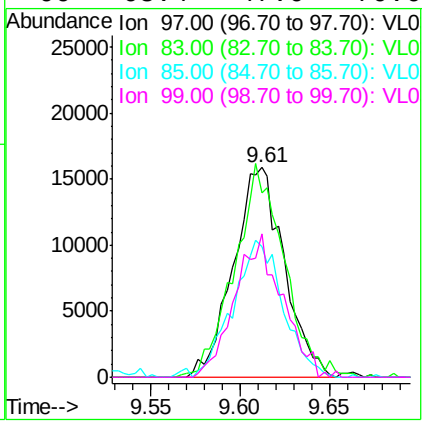


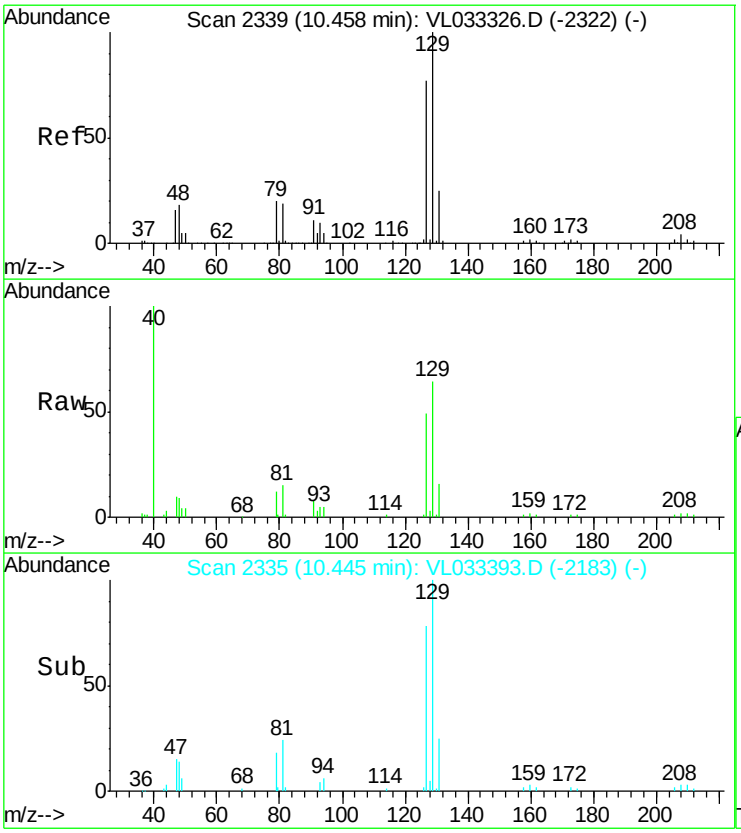
#47
1,1,2-Trichloroethane
Concen: 0.443 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 97 Resp: 31608

Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.4	101.0
85	62.2	43.0	64.4
99	68.4	47.0	70.6

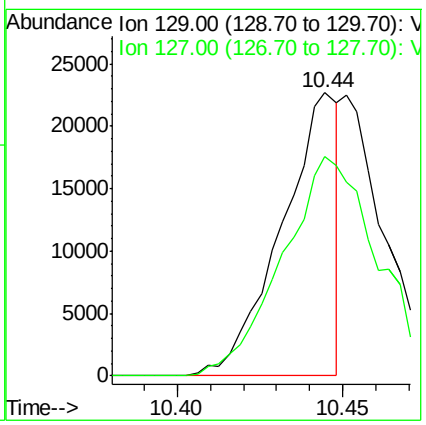


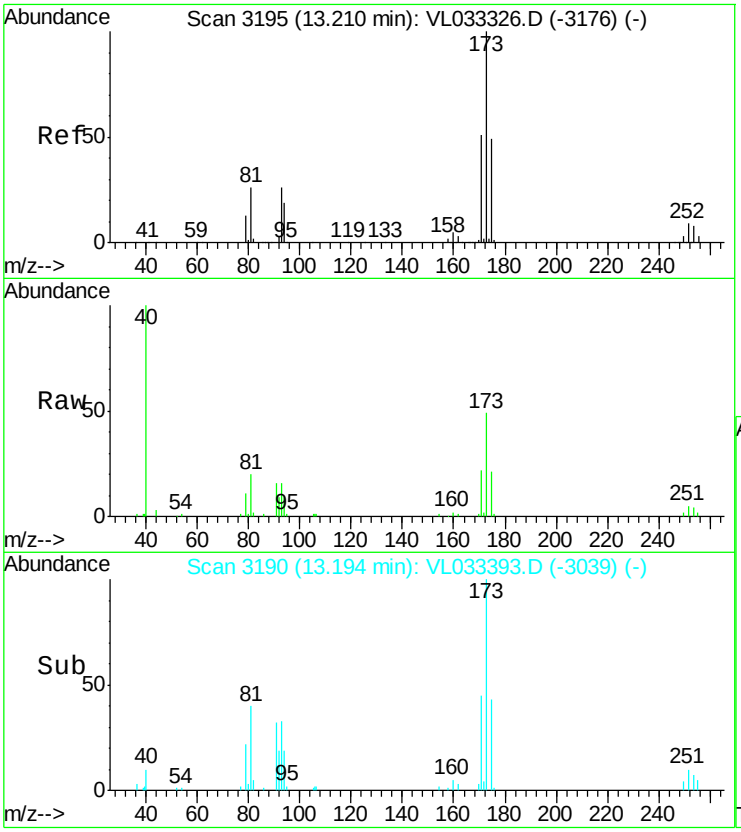


#48
Dibromochloromethane
Concen: 0.224 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:129 Resp: 26826

Ion	Ratio	Lower	Upper
129	100		
127	133.2	38.9	116.6#



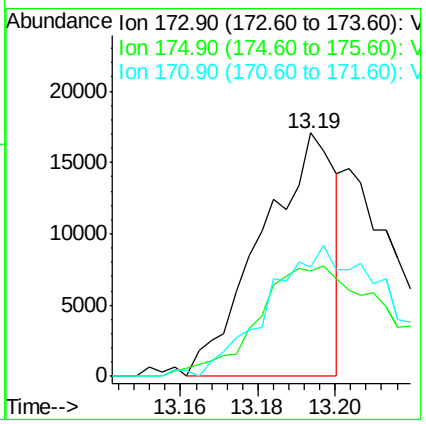


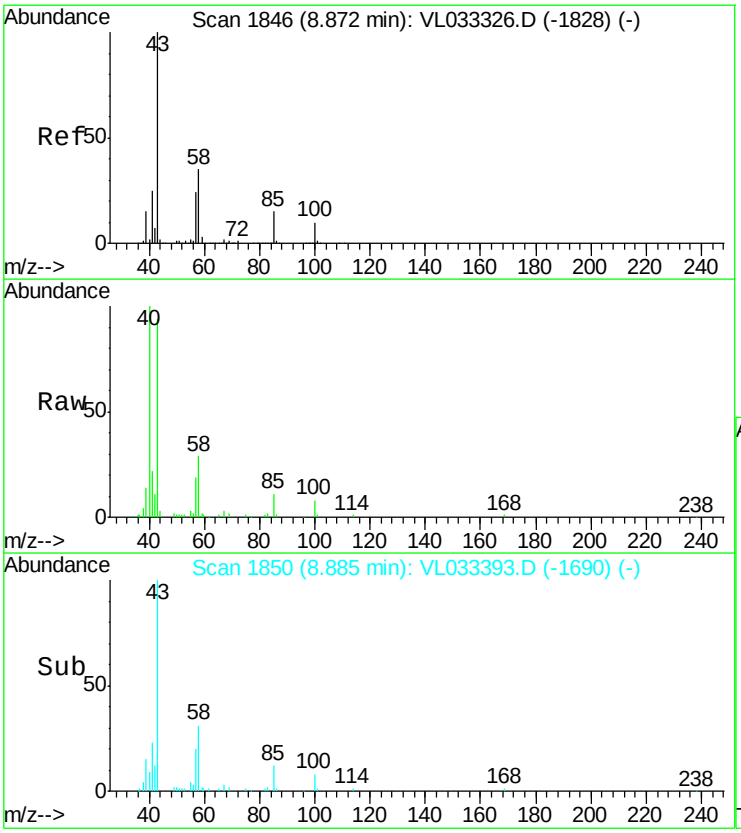
#49
Bromoform
Concen: 0.198 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:173 Resp: 22486

Ion	Ratio	Lower	Upper
173	100		
175	78.6	39.0	58.6#
171	87.1	41.7	62.5#

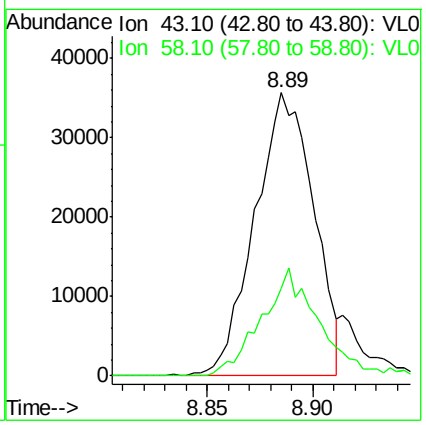


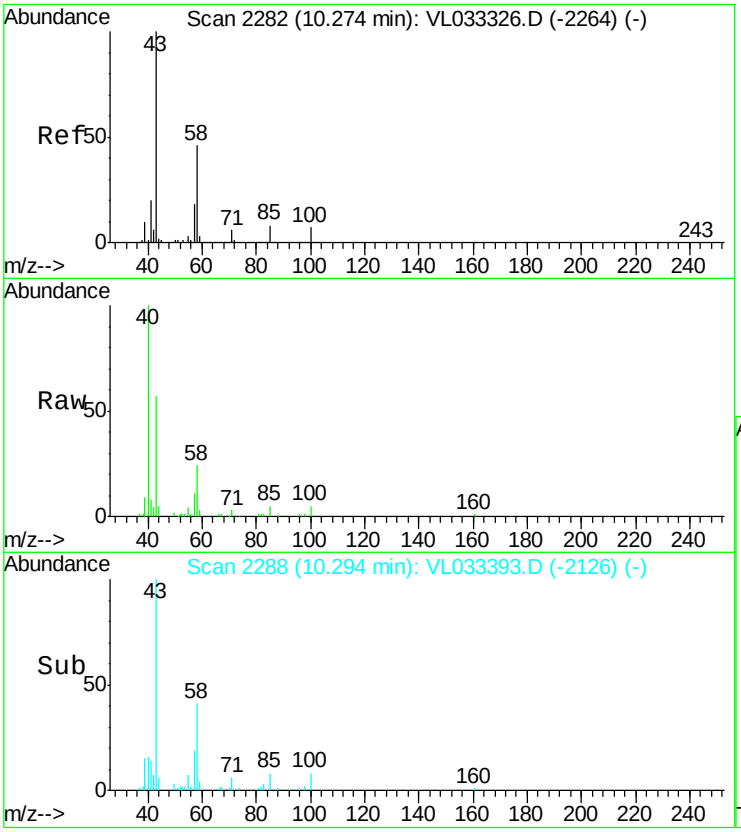


#50
4-Methyl-2-Pentanone
Concen: 0.387 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 43 Resp: 69178

Ion	Ratio	Lower	Upper
43	100		
58	37.5	28.4	42.6



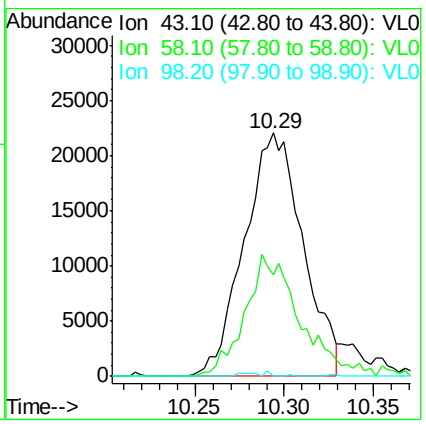


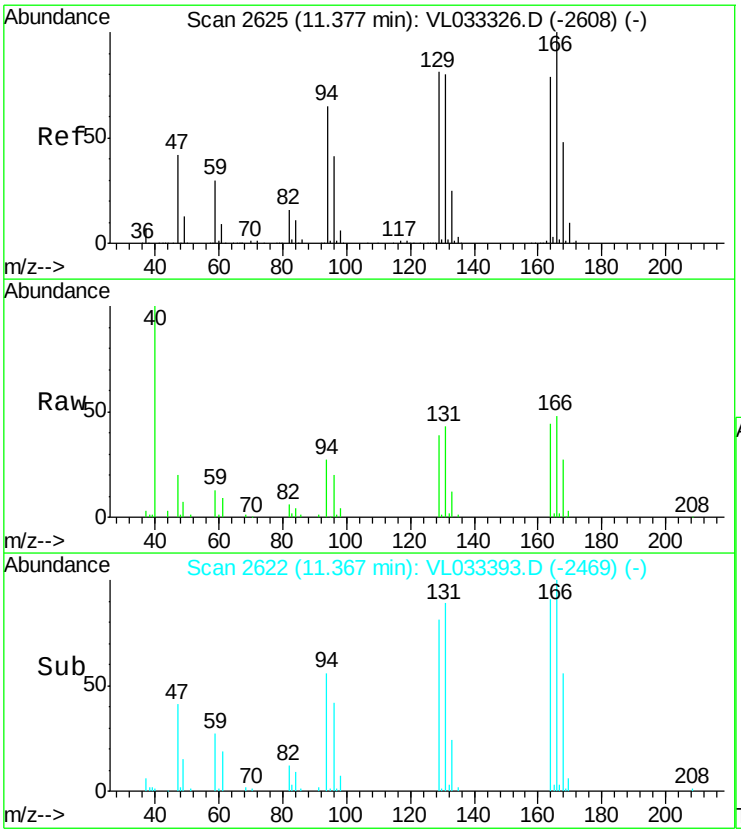
#51
2-Hexanone
Concen: 0.367 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 50648

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.0	57.0
98	0.6	0.1	0.1#

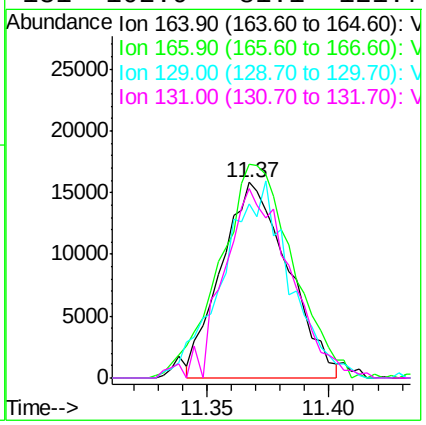


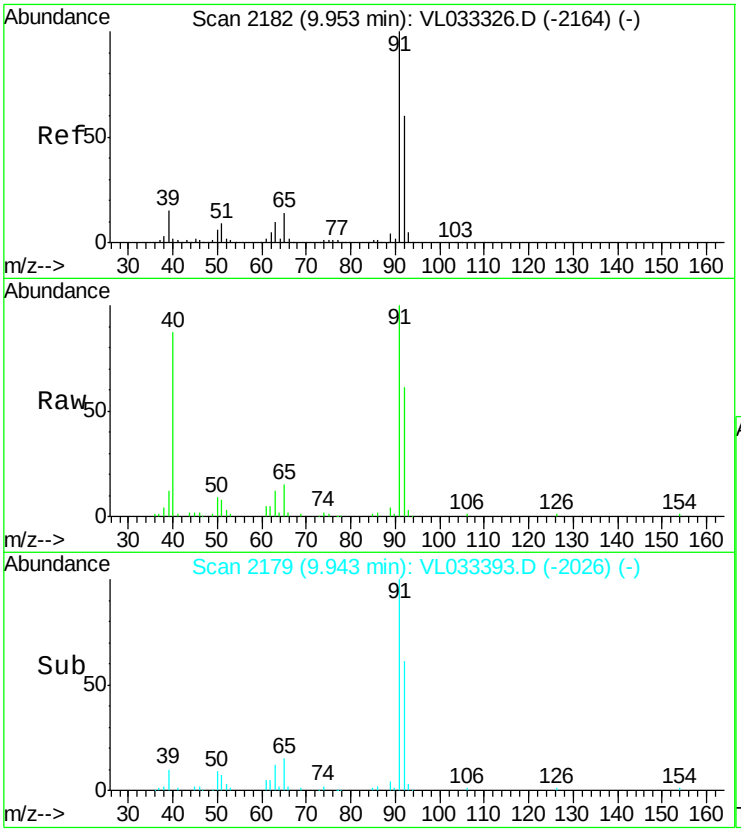


#52
Tetrachloroethene
Concen: 0.419 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:164 Resp: 30082

Ion	Ratio	Lower	Upper
164	100		
166	105.9	101.5	152.3
129	86.5	82.2	123.2
131	102.9	81.1	121.7



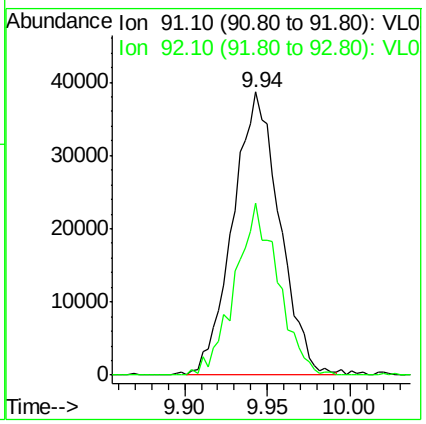


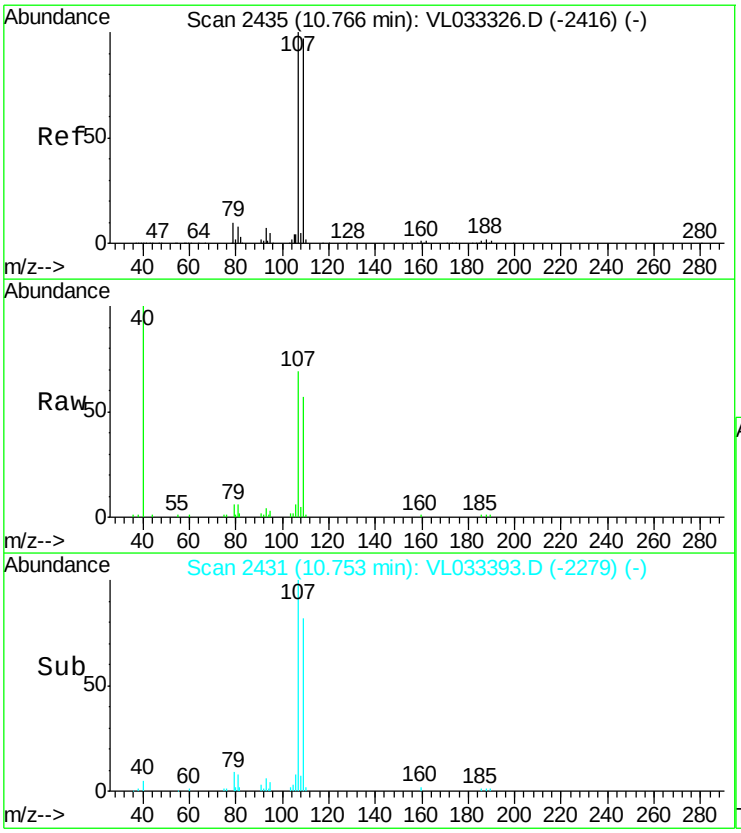
#53
Toluene
Concen: 0.388 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 75963

Ion	Ratio	Lower	Upper
91	100		
92	56.0	47.4	71.0

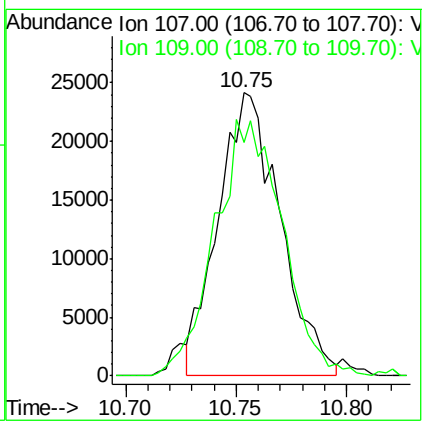


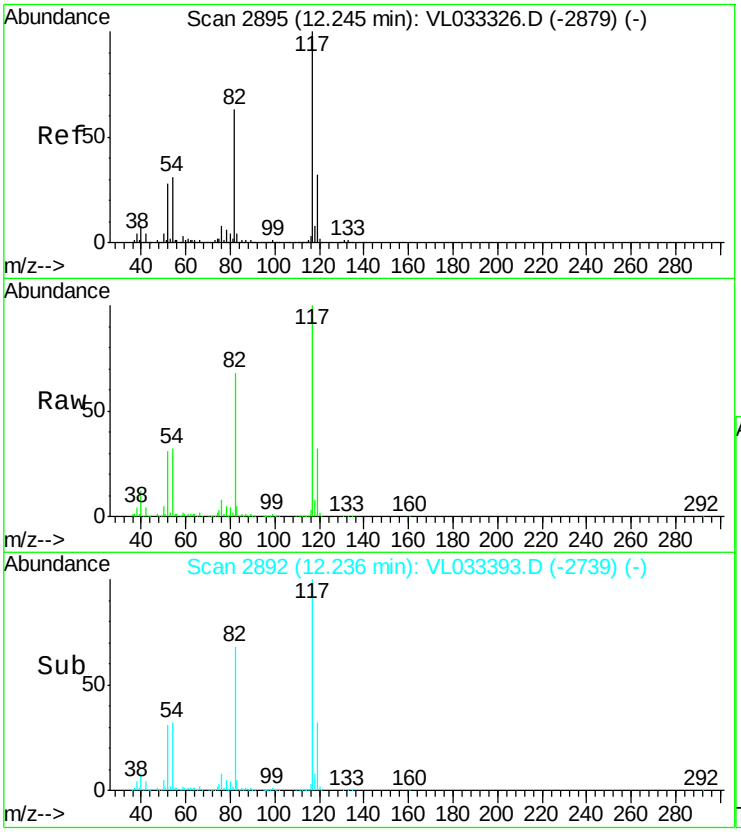


#54
1,2-Dibromoethane
Concen: 0.392 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:107 Resp: 47243

Ion	Ratio	Lower	Upper
107	100		
109	81.2	77.2	115.8



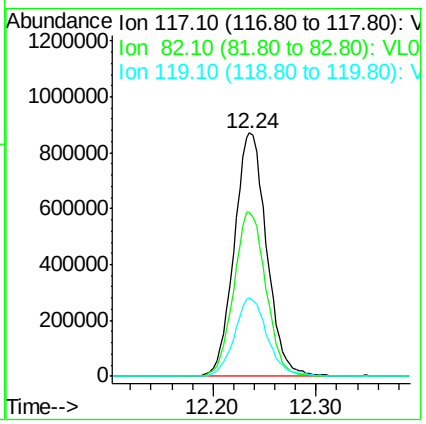


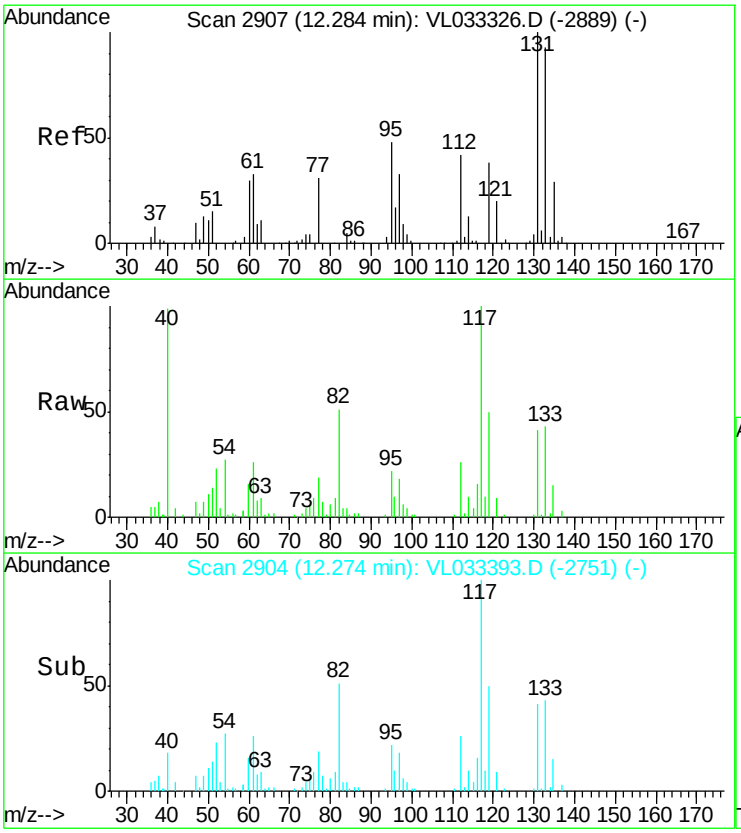
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:117 Resp: 1903623

Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.4	80.2
119	33.0	27.3	40.9

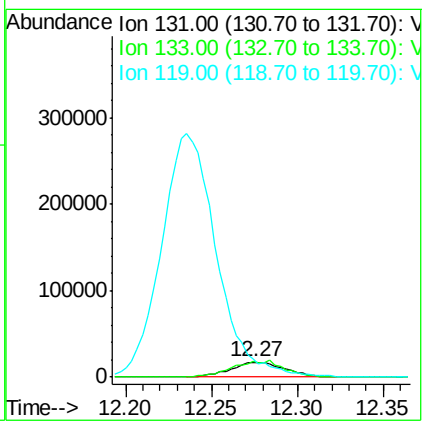


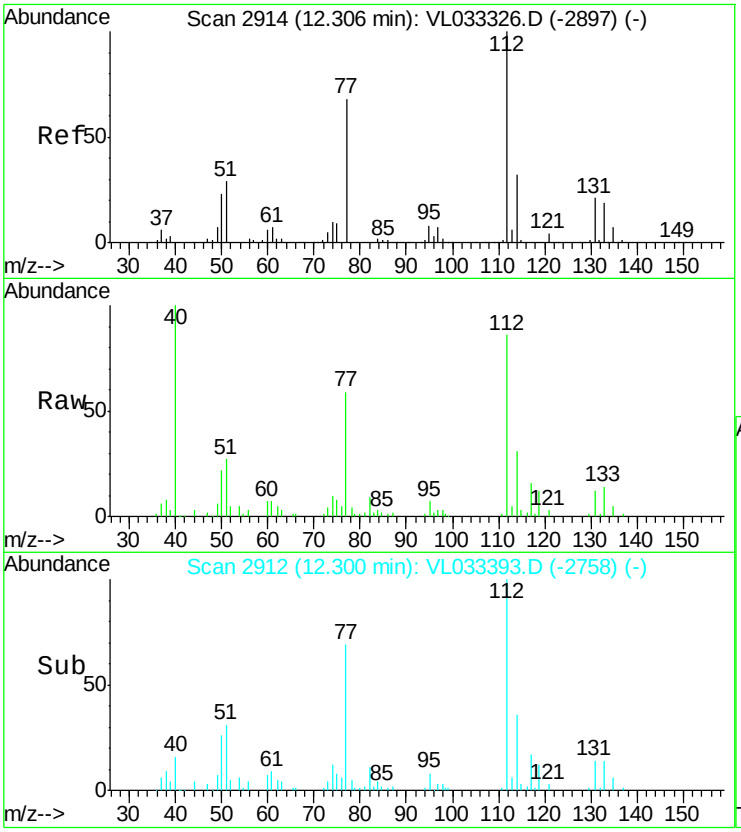


#56
1,1,1,2-Tetrachloroethane
Concen: 0.442 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:131 Resp: 37662

Ion	Ratio	Lower	Upper
131	100		
133	107.0	76.7	115.1
119	1669.5	40.3	60.5#



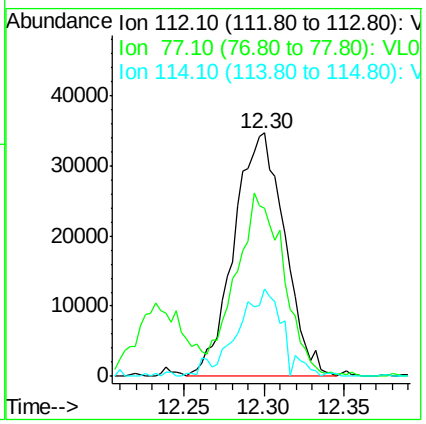


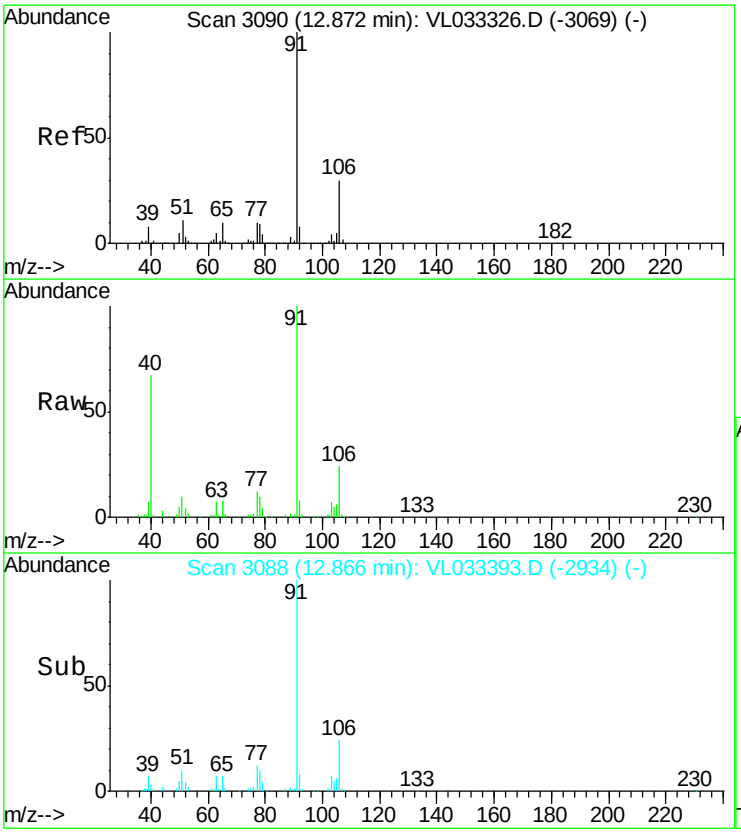
#57
Chlorobenzene
Concen: 0.499 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:112 Resp: 75298

Ion	Ratio	Lower	Upper
112	100		
77	68.4	55.8	83.6
114	35.0	28.6	35.0#

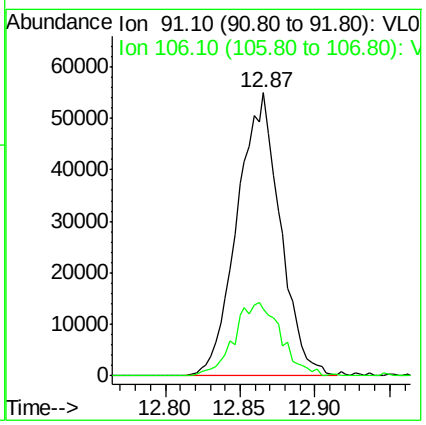


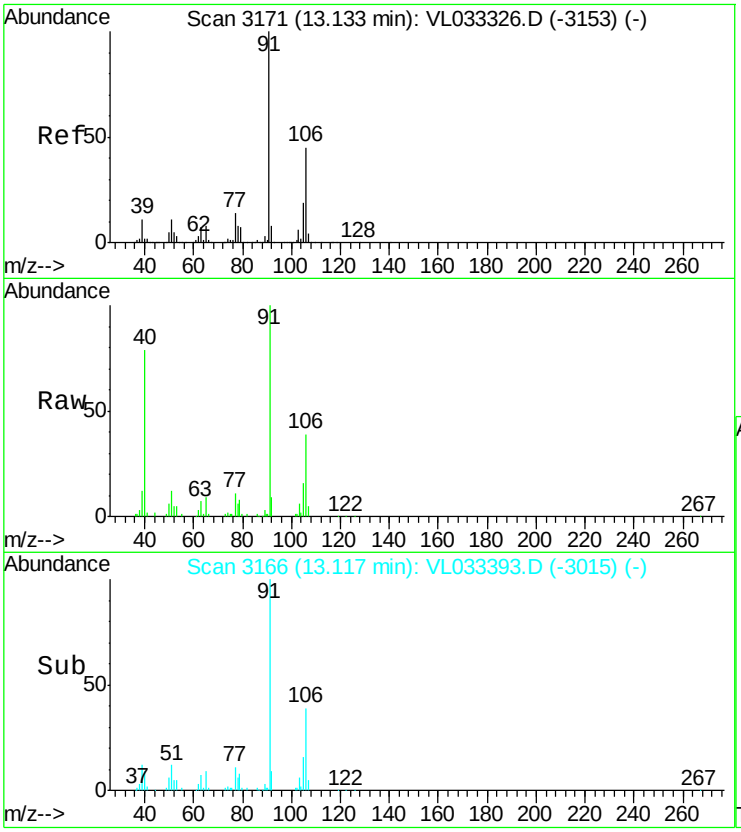


#58
Ethyl Benzene
Concen: 0.408 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 91 Resp: 109888

Ion	Ratio	Lower	Upper
91	100		
106	23.7	24.2	36.2#



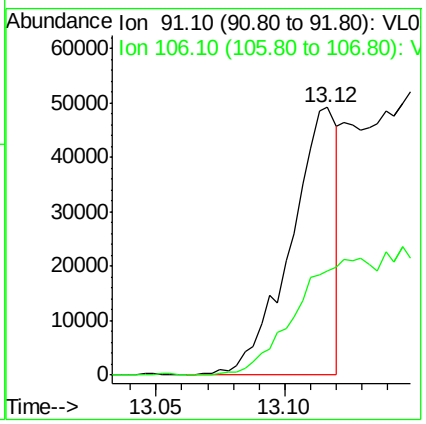


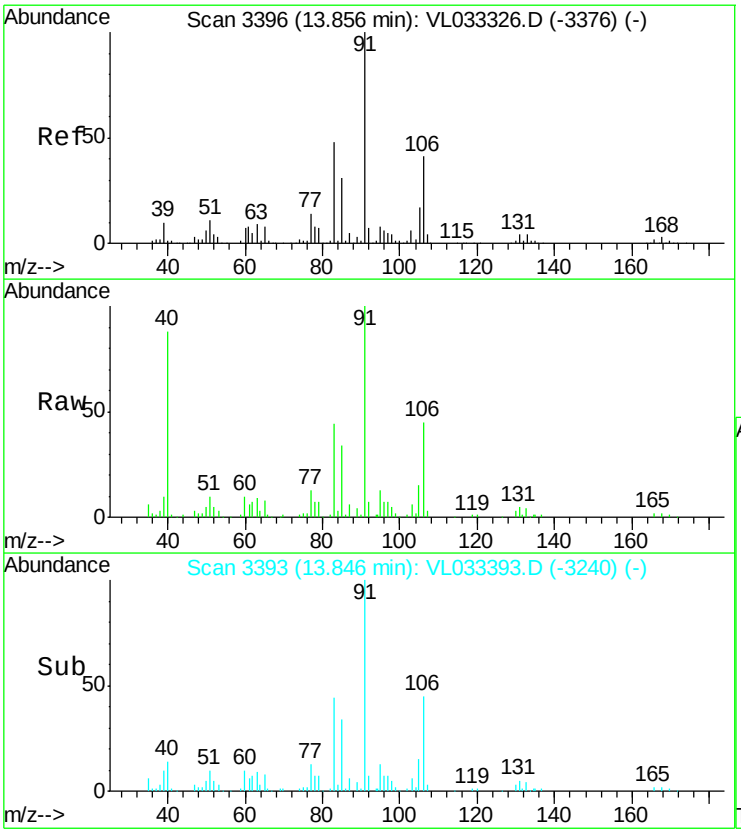
#59
m/p-Xylene
Concen: 0.266 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 61454

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

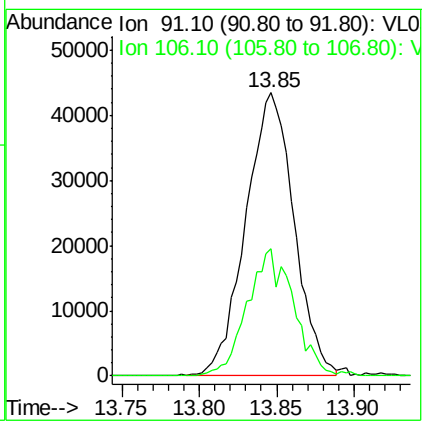


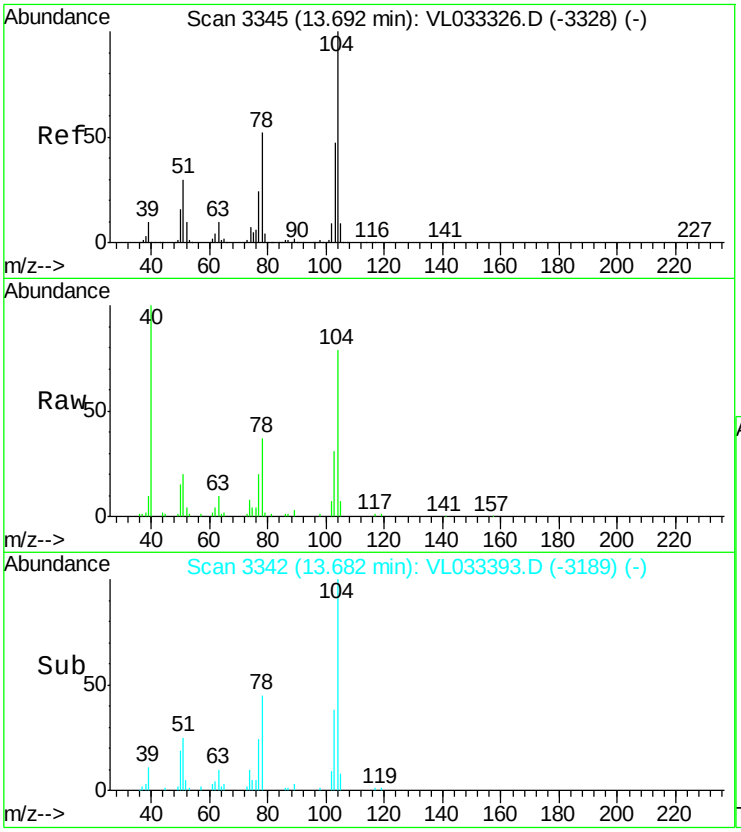


#60
o-Xylene
Concen: 0.417 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 91 Resp: 94189

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.3	63.9



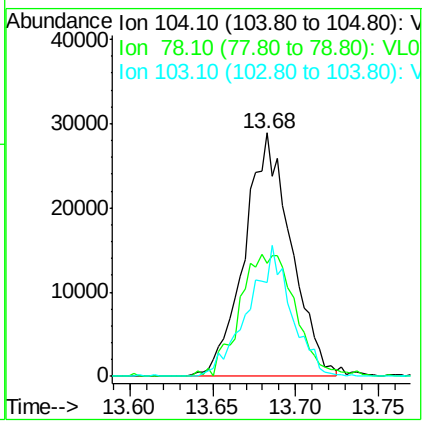


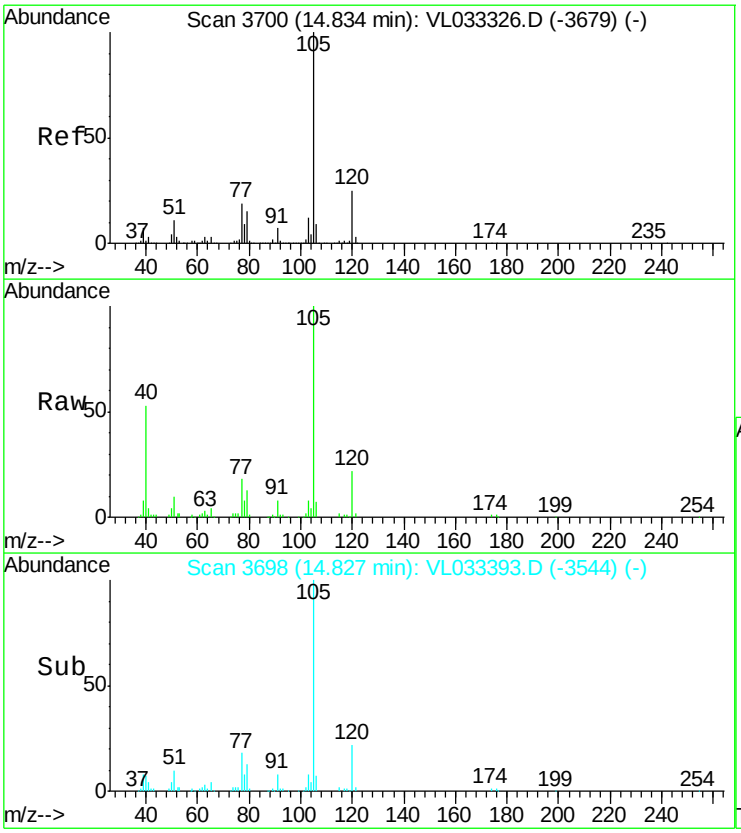
#61
Styrene
Concen: 0.357 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:104 Resp: 56469

Ion	Ratio	Lower	Upper
104	100		
78	60.3	42.7	64.1
103	49.4	38.0	57.0

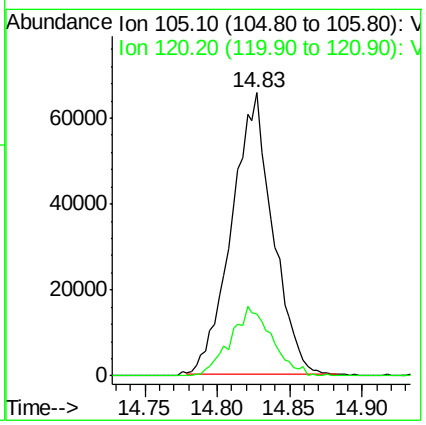


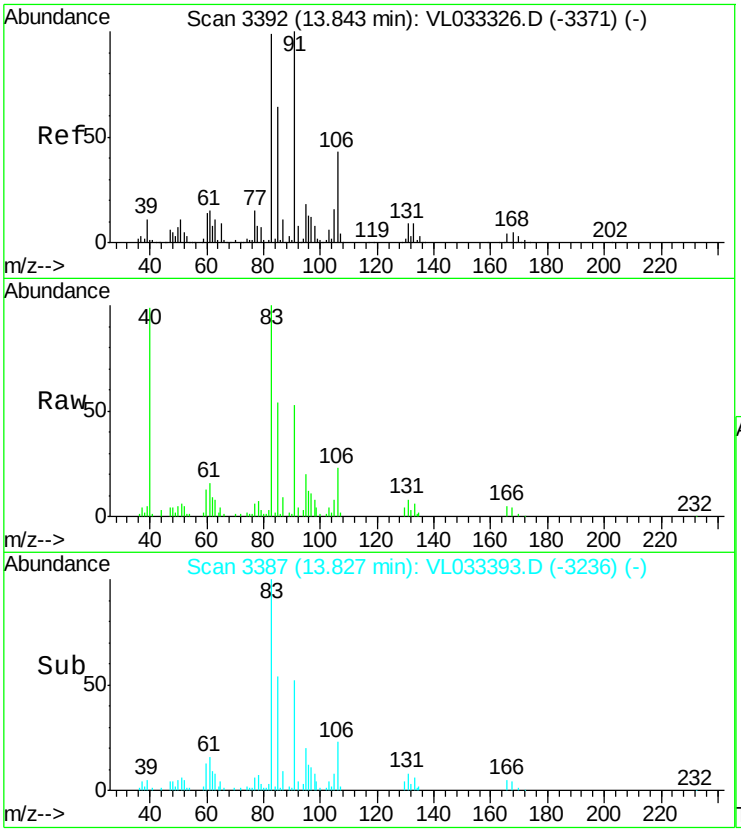


#62
Isopropylbenzene
Concen: 0.411 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:105 Resp: 128901

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.9	29.9



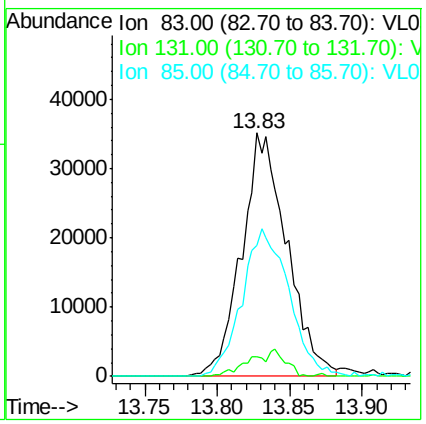


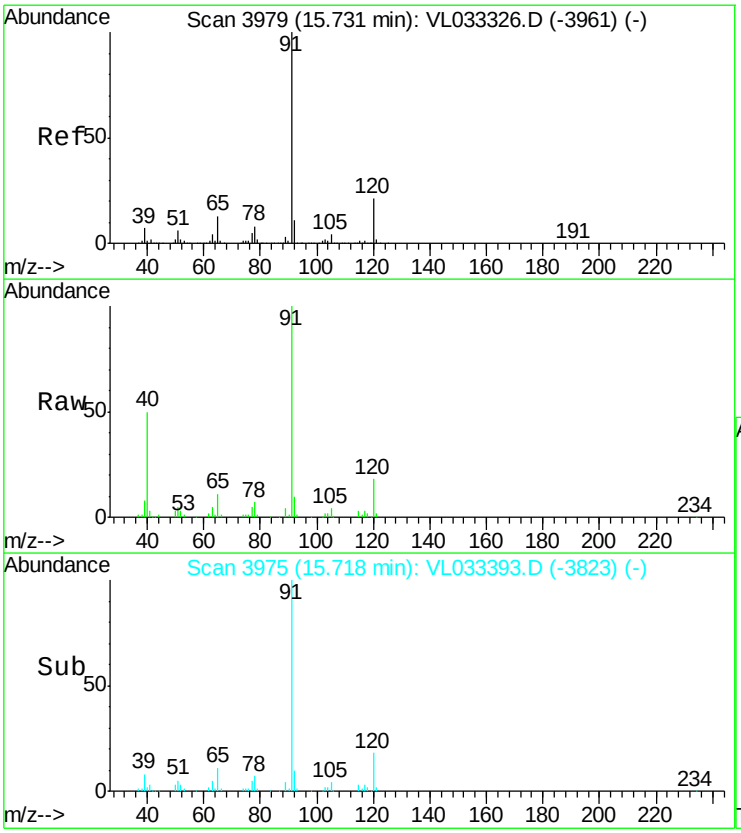
#63
1,1,2,2-Tetrachloroethane
Concen: 0.466 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 75996

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	63.9	32.5	97.4

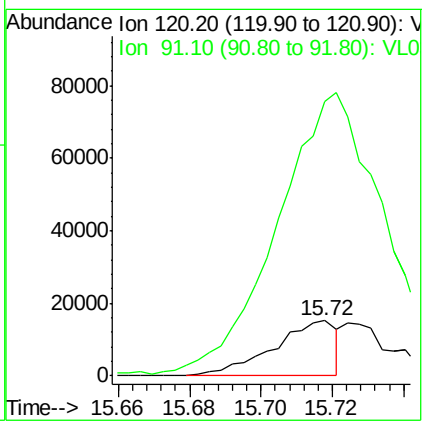


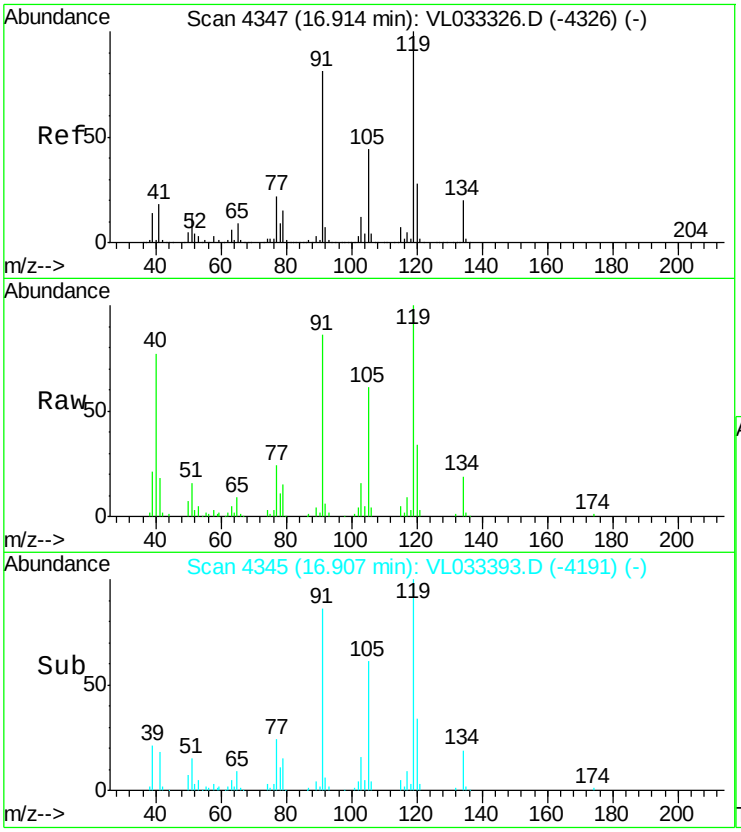


#64
n-propylbenzene
Concen: 0.236 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:120 Resp: 18783

Ion	Ratio	Lower	Upper
120	100		
91	520.5	389.8	584.6



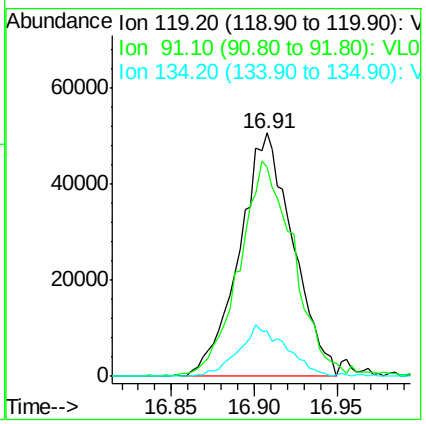


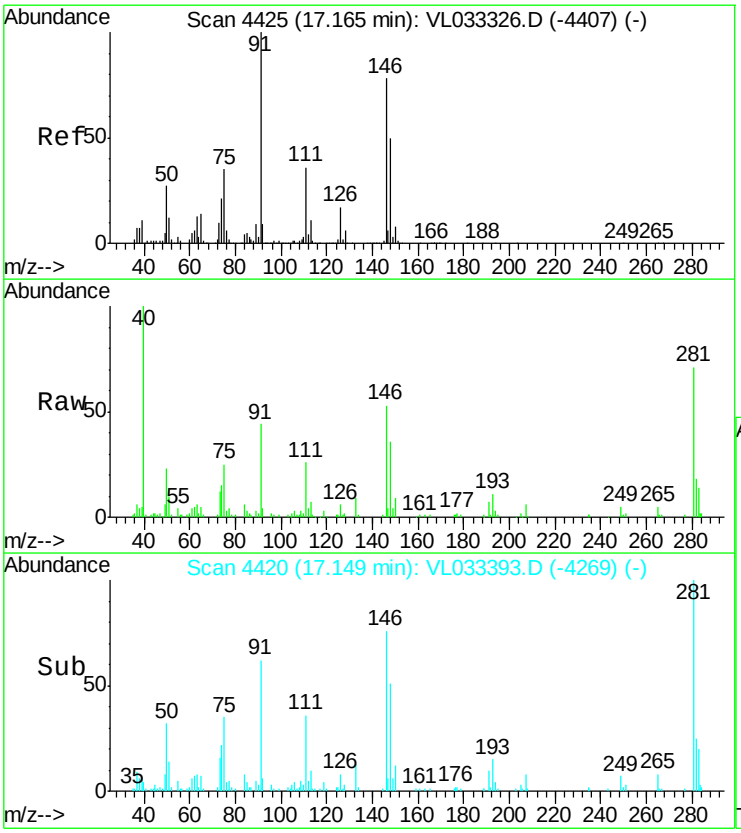
#65
tert-Butylbenzene
Concen: 0.401 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:119 Resp: 113298

Ion	Ratio	Lower	Upper
119	100		
91	91.5	67.2	100.8
134	19.1	15.4	23.2

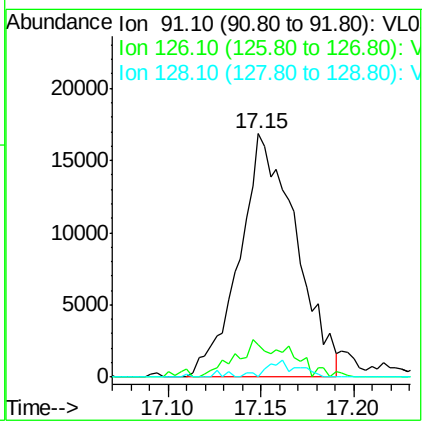


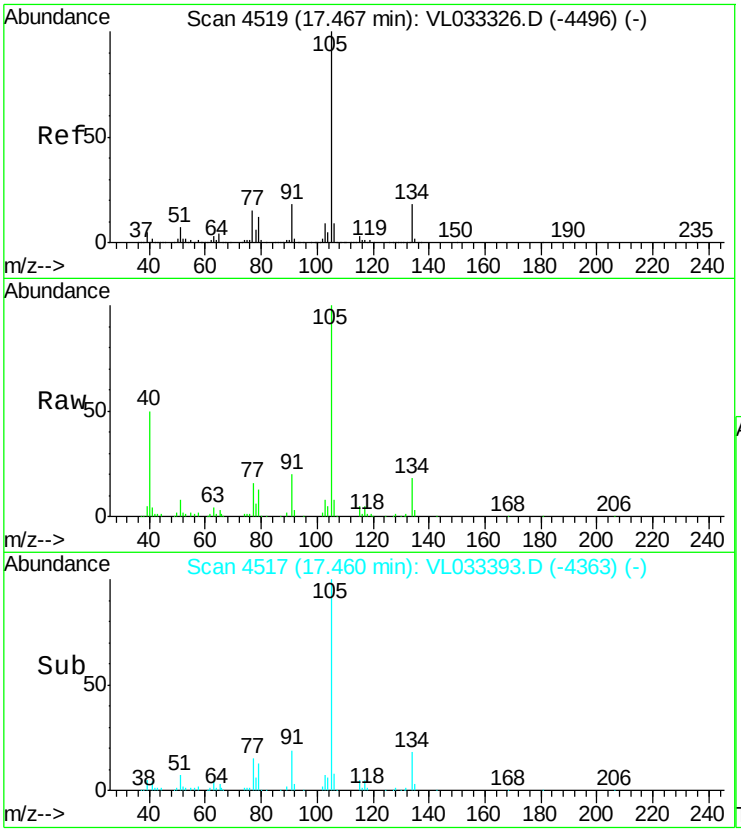


#66
Benzyl Chloride
Concen: 0.305 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 91 Resp: 35618

Ion	Ratio	Lower	Upper
91	100		
126	15.9	13.2	19.8
128	4.2	4.2	6.4#



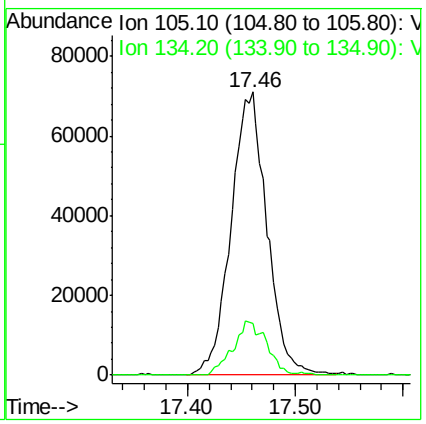


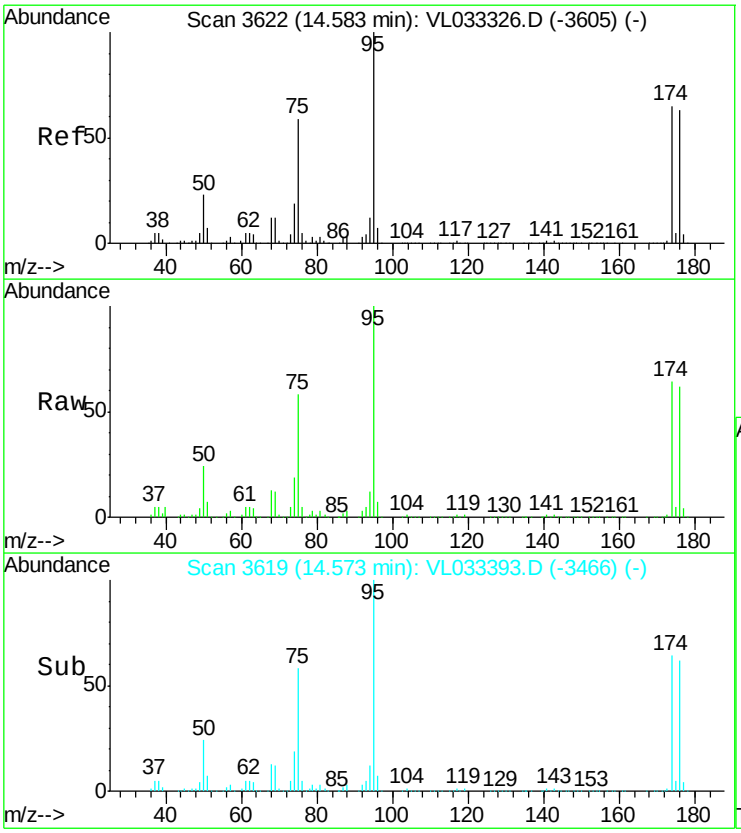
#67
sec-Butylbenzene
Concen: 0.412 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 165101

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.2	21.4

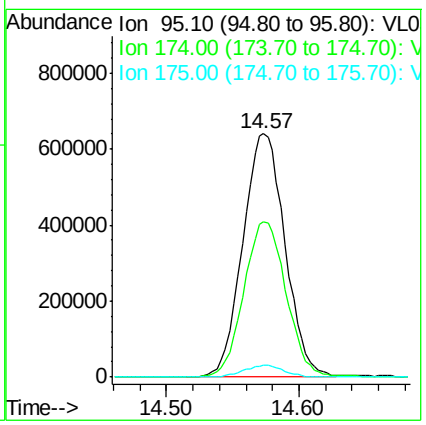


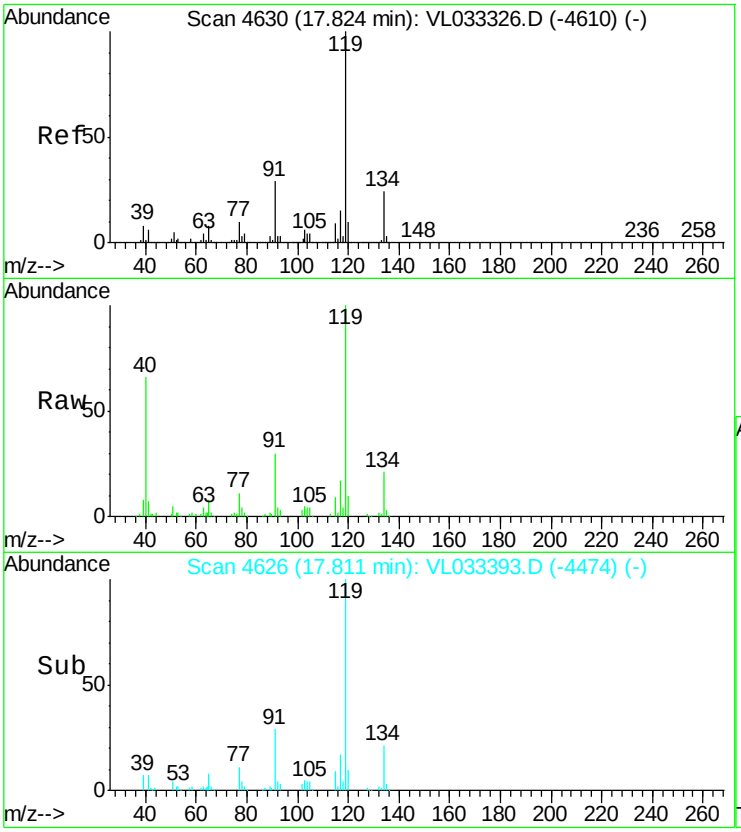


#68
1-Bromo-4-Fluorobenzene
Concen: 10.040 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 95 Resp: 1416174

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.5	77.3
175	4.6	3.8	5.6



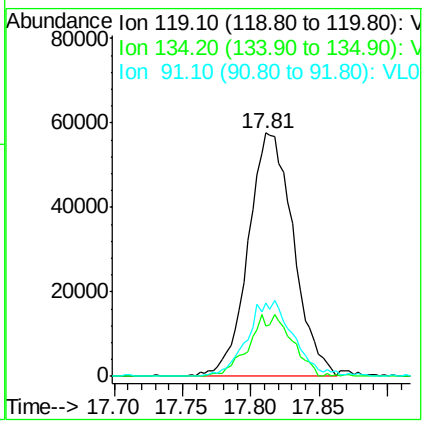


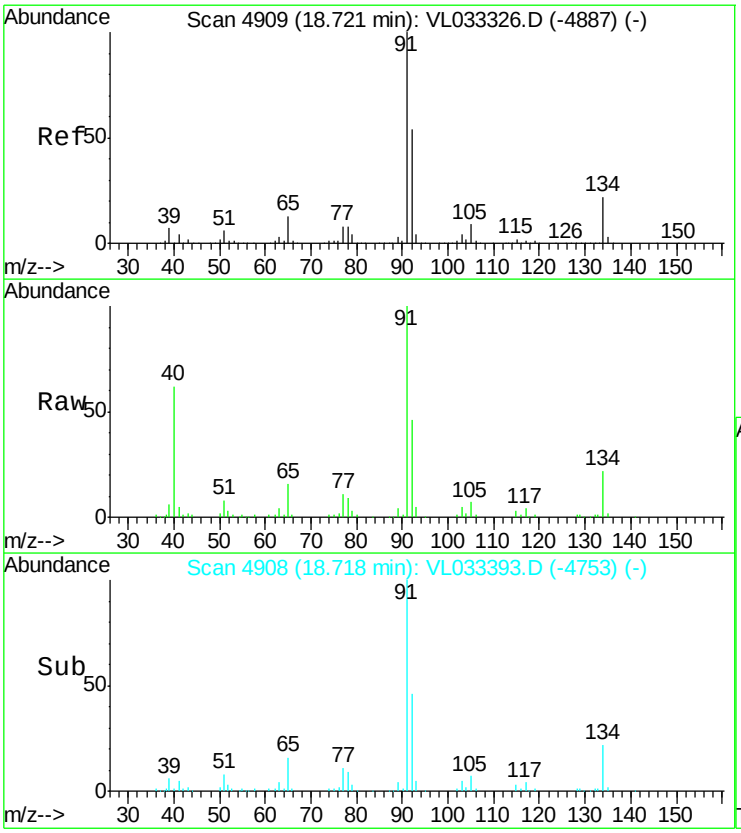
#69
p-Isopropyltoluene
Concen: 0.405 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:119 Resp: 132452

Ion	Ratio	Lower	Upper
119	100		
134	24.2	19.8	29.6
91	31.7	23.4	35.2

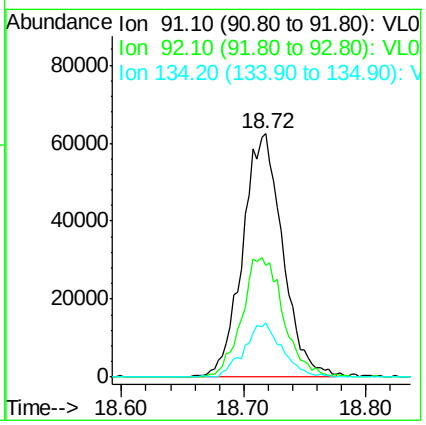


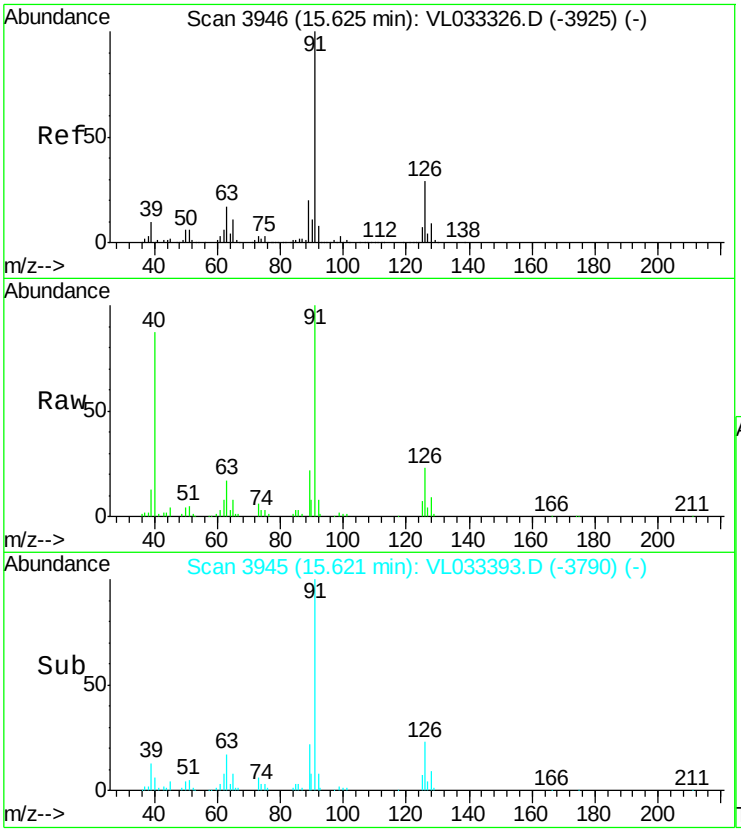


#70
n-Butylbenzene
Concen: 0.405 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion: 91 Resp: 141392

Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.8	64.2
134	20.9	17.4	26.0



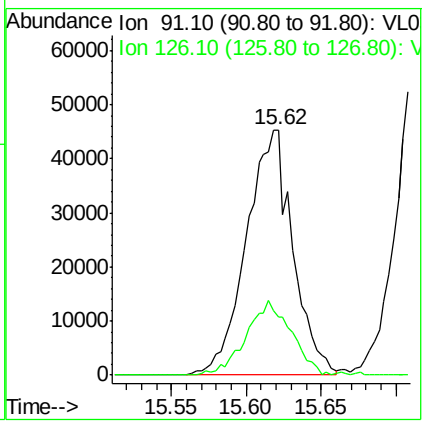


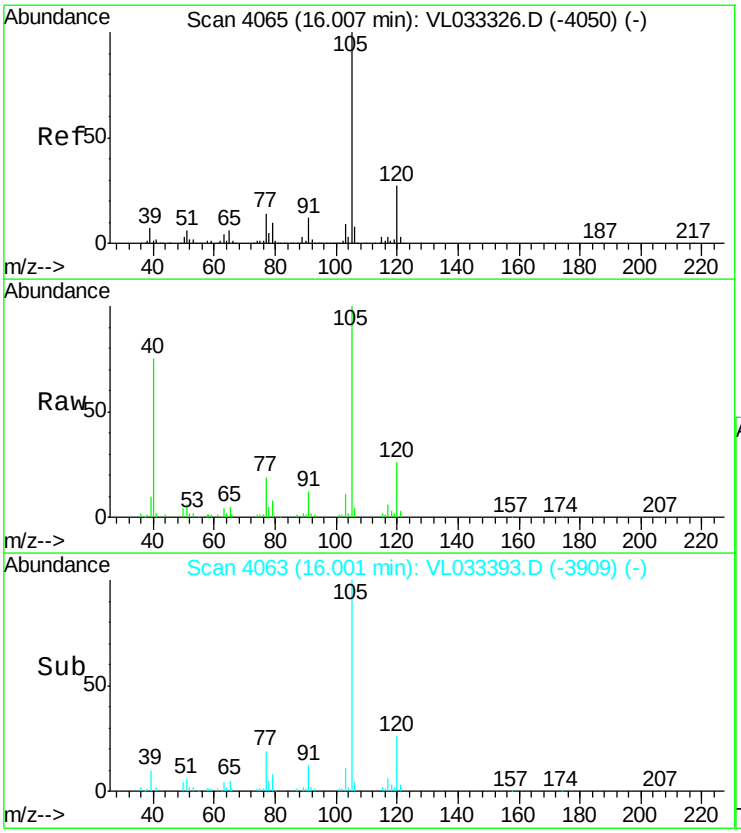
#71
2-Chlorotoluene
Concen: 0.399 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 97568

Ion	Ratio	Lower	Upper
91	100		
126	29.8	11.6	46.6

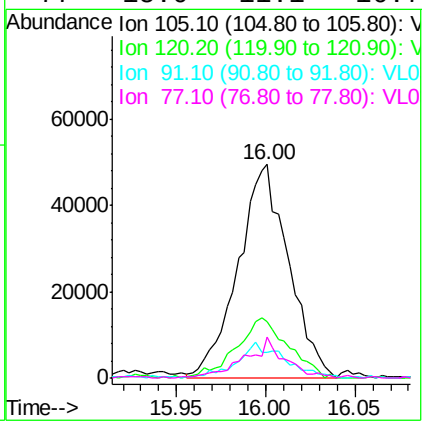


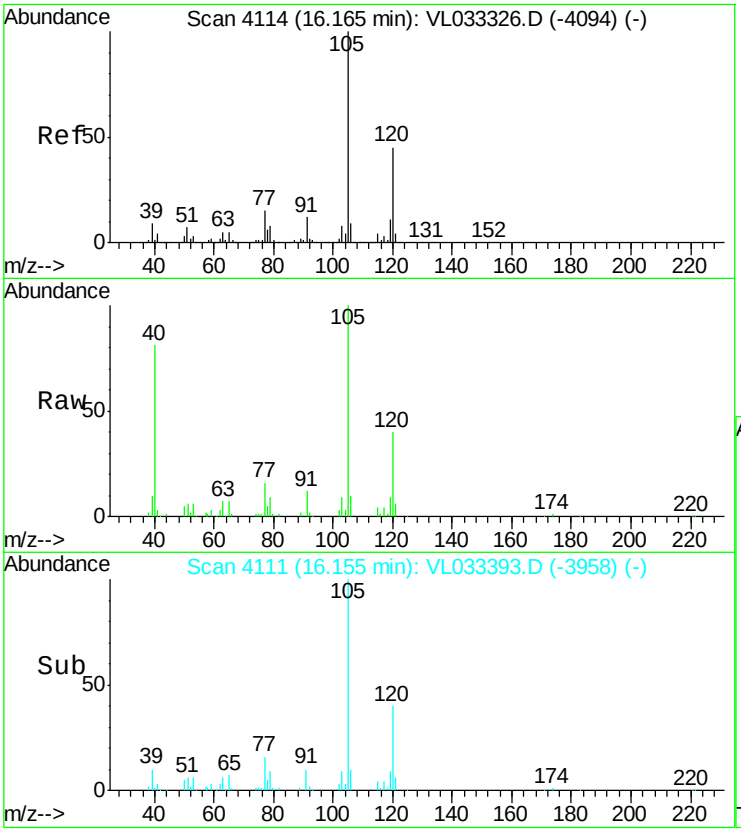


#72
4-Ethyltoluene
Concen: 0.382 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:105 Resp: 97951

Ion	Ratio	Lower	Upper
105	100		
120	28.8	22.9	34.3
91	16.6	10.2	15.2#
77	15.0	11.1	16.7



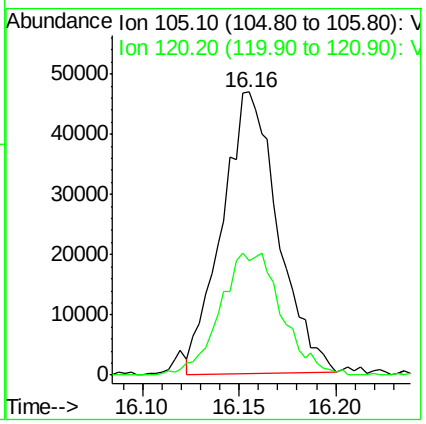


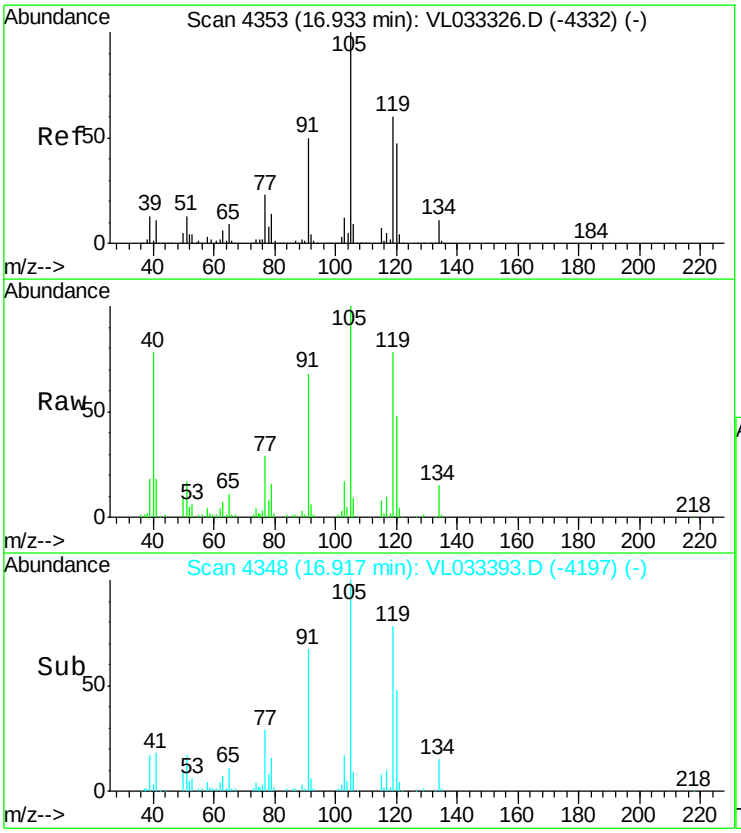
#73
1,3,5-Trimethylbenzene
Concen: 0.377 ppbv
RT: 16.16 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 94234

Ion	Ratio	Lower	Upper
105	100		
120	39.9	36.2	54.4

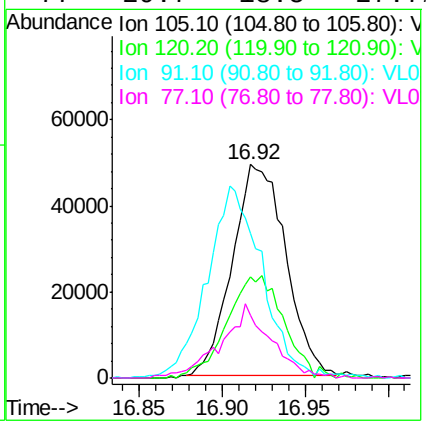


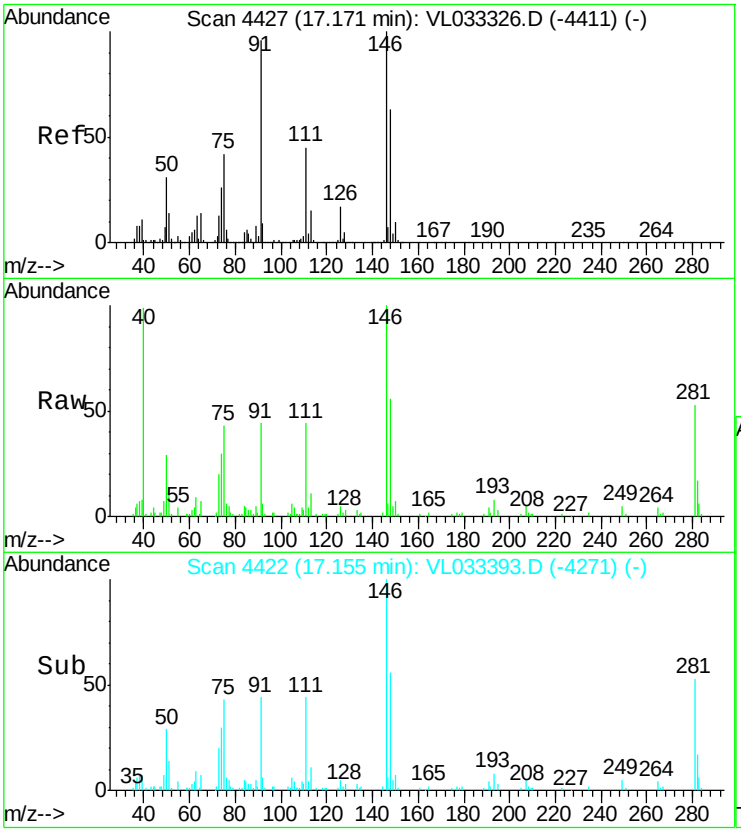


#74
1,2,4-Trimethylbenzene
Concen: 0.415 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:105 Resp: 109706

Ion	Ratio	Lower	Upper
105	100		
120	48.1	37.4	56.2
91	66.8	41.0	61.4#
77	29.7	18.5	27.7#



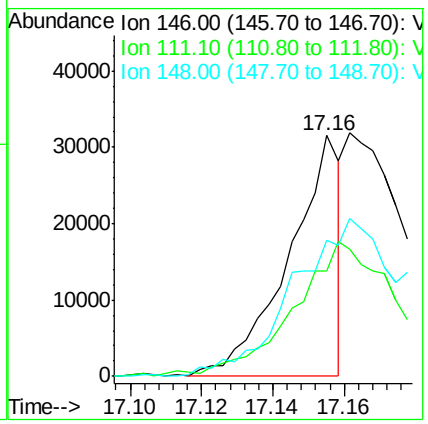


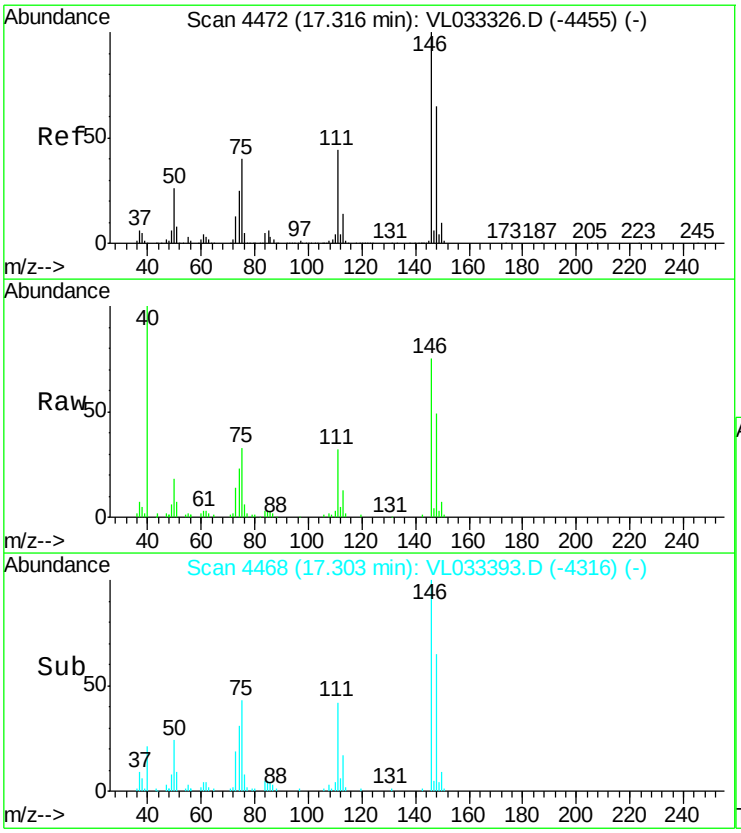
#75
1,3-Dichlorobenzene
Concen: 0.202 ppbv
RT: 17.16 min Scan# 4422
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 31462

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

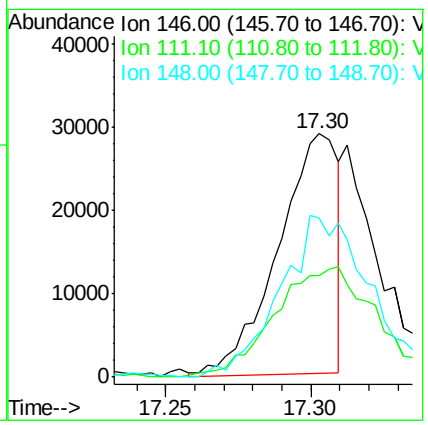


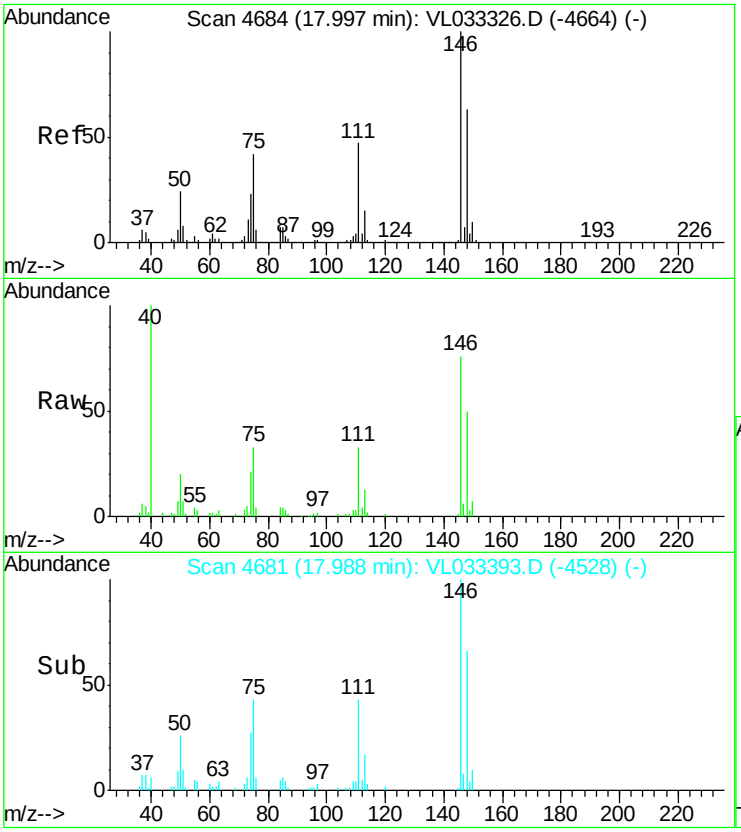


#76
1,4-Dichlorobenzene
Concen: 0.275 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:146 Resp: 41457

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.9	65.7#
148	105.1	32.1	96.5#



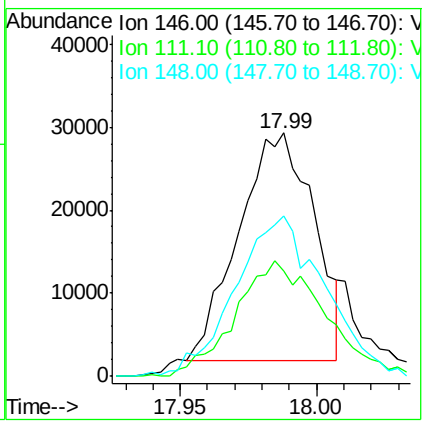


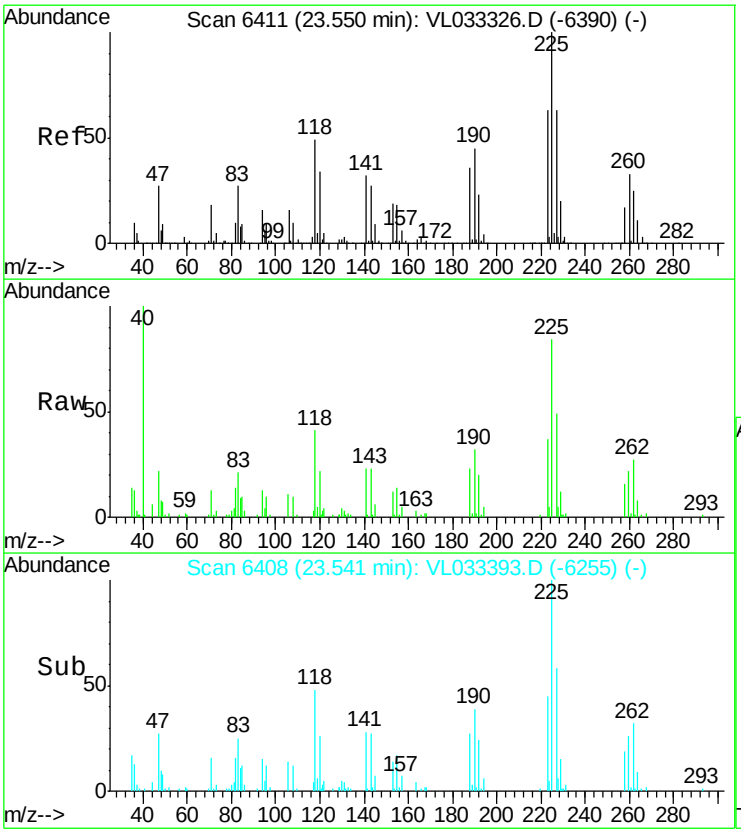
#77
1,2-Dichlorobenzene
Concen: 0.354 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 52211

Ion	Ratio	Lower	Upper
146	100		
111	61.1	23.5	70.6
148	85.6	31.9	95.9

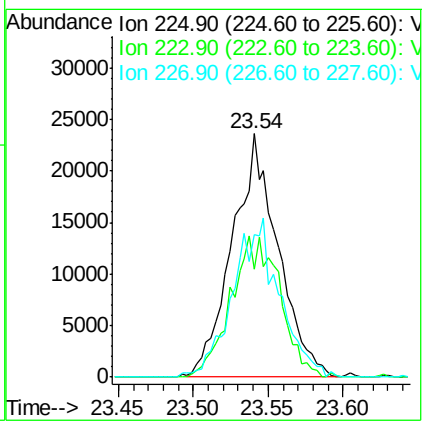


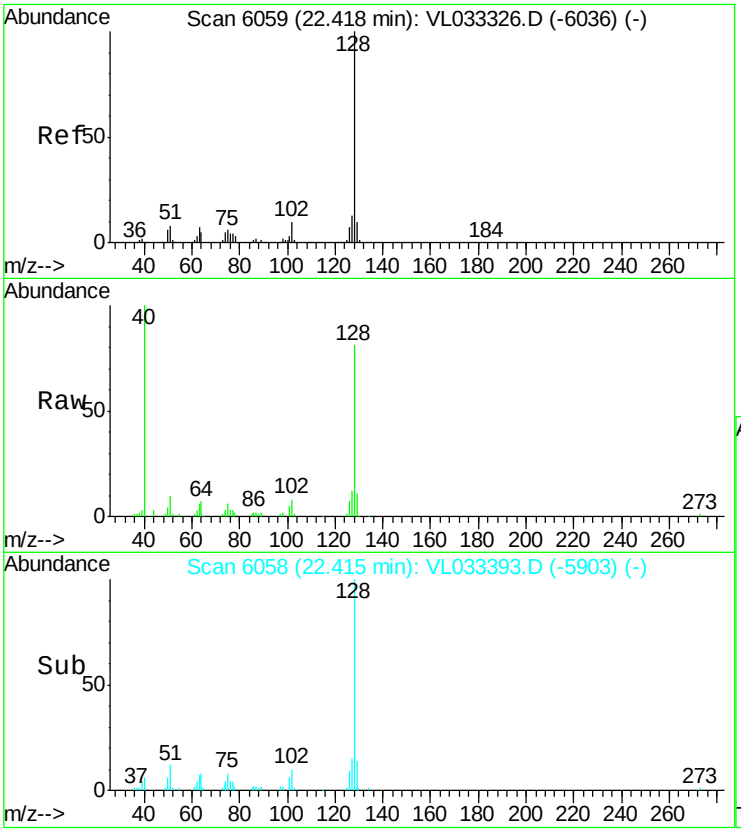


#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.01 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:225 Resp: 50187

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	66.2	50.5	75.7



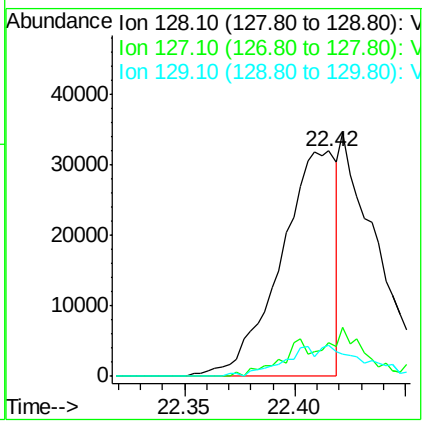


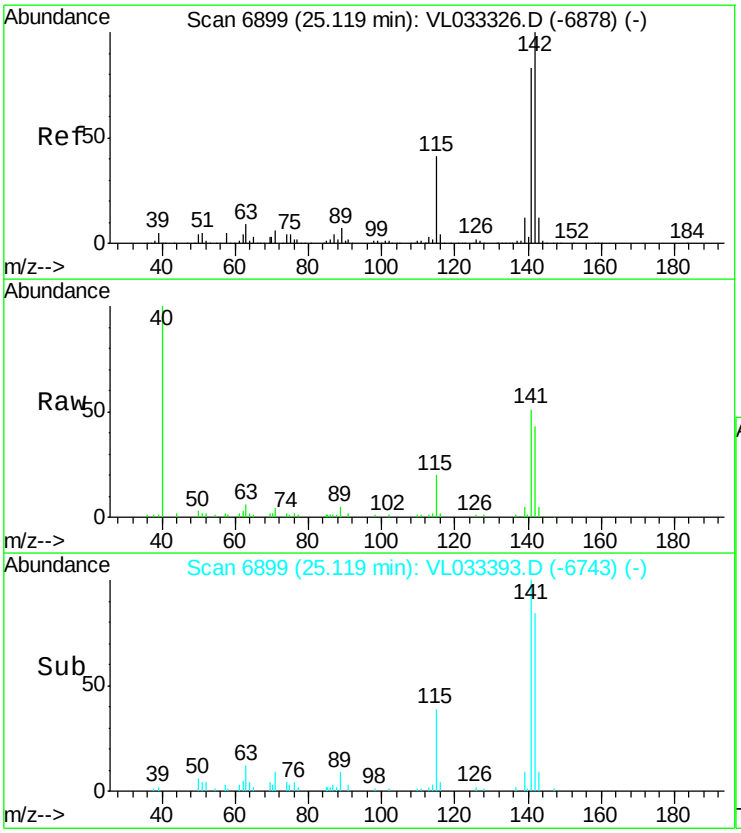
#79
Naphthalene
Concen: 0.220 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:128 Resp: 55994

Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.1	15.1#
129	14.0	8.2	12.2#

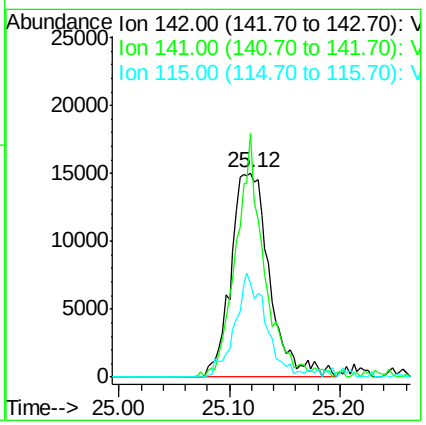


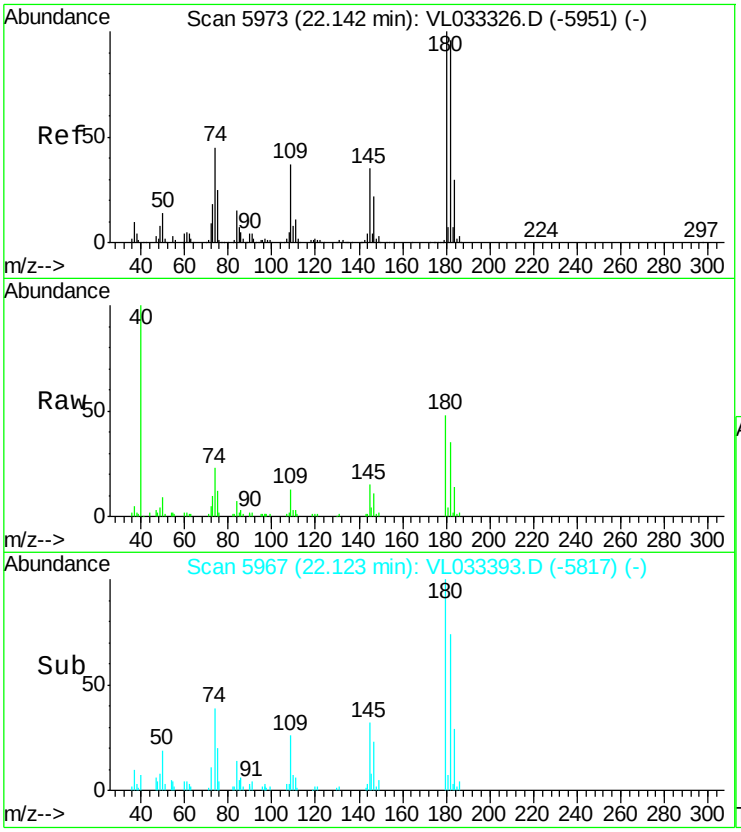


#80
Naphthalene,2-methyl-
Concen: 0.300 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Tgt Ion:142 Resp: 36322

Ion	Ratio	Lower	Upper
142	100		
141	87.3	67.1	100.7
115	41.6	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.082 ppbv
RT: 22.12 min Scan# 5967
Delta R.T. -0.02 min
Lab File: VL033393.D
Acq: 20 Mar 2019 17:11

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:180 Resp: 10654

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	0.0	24.6	37.0#