Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033363.D
Acq On : 18 Mar 2019 18:05
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 19 06:53:40 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	767961	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1704160	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1859576	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1451060	10.53	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	67974	0.503	ppbv		97
3) Chlorodifluoromethane	3.01	51	39941	0.453	ppbv		100
4) Chloromethane	3.17	50	21714	0.455	ppbv		93
5) Vinyl Chloride	3.29	62	19686	0.400	ppbv		99
6) Bromomethane	3.51	94	13047	0.446	ppbv		97
7) Chloroethane	3.60	64	7787	0.453	ppbv		89
8) Dichlorotetrafluoroethane	3.22	85	53737	0.467	ppbv		98
9) Propene	3.03	41	16956	0.431	ppbv		97
10) Heptane	8.25	43	34037	0.349	ppbv		95
11) Trichlorofluoromethane	4.00	101	59373	0.442	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	39619	0.444	ppbv		96
13) Ethanol	3.65	45	4170	0.222	ppbv	#	38
14) Bromoethene	3.79	108	14912	0.401	ppbv		97
15) Acetone	3.91	43	65165	0.546	ppbv		96
16) 1,3-Butadiene	3.36	39	11416	0.294	ppbv	#	63
17) tert-Butyl alcohol	4.35	59	805	0.048	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	15731	0.386	ppbv		91
19) Isopropyl Alcohol	4.04	45	30596	0.539	ppbv	#	94
20) Methylene Chloride	4.41	84	19400	0.498	ppbv		92
21) Allyl Chloride	4.47	41	22587	0.390	ppbv		92
22) trans-1,2-Dichloroethene	4.96	96	16897	0.427	ppbv		92
23) Vinyl Acetate	5.15	43	30095	0.218	ppbv	#	94
24) 1,1-Dichloroethane	5.09	63	40527	0.406	ppbv		97
25) Ethyl Acetate	5.78	43	67215	0.387	ppbv		99
26) Hexane	5.78	57	30827	0.397	ppbv		95
27) Carbon Disulfide	4.62	76	14172	0.159	ppbv	#	28
28) Methyl tert-Butyl Ether	5.13	73	40874	0.355	ppbv		98
29) Chloroform	5.84	83	54026	0.425	ppbv		98
30) Cyclohexane	7.24	84	11790	0.190	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	28688	0.370	ppbv		97
32) 1,1,1-Trichloroethane	6.61	97	48168	0.386	ppbv		96
34) 2-Butanone	5.34	43	44568	0.398	ppbv		96
35) Carbon Tetrachloride	7.13	117	47197	0.393	ppbv		96
36) Benzene	7.00	78	25472	0.167	ppbv		94
37) 1,2-Dichloroethane	6.41	62	41426	0.430	ppbv		98
38) Trichloroethene	7.96	130	5764	0.100	ppbv	#	1
39) 1,2-Dichloropropane	7.74	63	9292	0.163	ppbv		92
41) Tetrahydrofuran	6.17	42	11721	0.196	ppbv	#	61
42) Bromodichloromethane	7.91	83	48688	0.377	ppbv		99
43) Methyl Methacrylate	8.14	69	19439	0.327	ppbv		98
44) 2,2,4-Trimethylpentane	7.99	57	91329	0.362	ppbv	#	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033363.D
Acq On : 18 Mar 2019 18:05
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 19 06:53:40 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)
45) t-1,3-Dichloropropene	9.41	75	19199	0.262	ppbv		94
46) cis-1,3-Dichloropropene	8.83	75	23116	0.268	ppbv		94
47) 1,1,2-Trichloroethane	9.61	97	25000	0.396	ppbv	#	86
48) Dibromochloromethane	10.44	129	23657	0.224	ppbv	#	11
49) Bromoform	13.20	173	24662	0.246	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.88	43	23910	0.151	ppbv	#	35
51) 2-Hexanone	10.29	43	26412	0.217	ppbv	#	29
52) Tetrachloroethene	11.37	164	19909	0.313	ppbv		91
53) Toluene	9.94	91	42077	0.243	ppbv	#	68
54) 1,2-Dibromoethane	10.76	107	41420	0.388	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	16906	0.203	ppbv	#	11
57) Chlorobenzene	12.29	112	64610	0.439	ppbv		98
58) Ethyl Benzene	12.86	91	90588	0.344	ppbv		96
59) m/p-Xylene	13.15	91	171023	0.756	ppbv	#	100
60) o-Xylene	13.84	91	43757	0.198	ppbv	#	33
61) Styrene	13.69	104	26814	0.174	ppbv	#	38
62) Isopropylbenzene	14.82	105	116429	0.380	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.83	83	70551	0.443	ppbv		98
64) n-propylbenzene	15.72	120	13027	0.168	ppbv	#	1
65) tert-Butylbenzene	16.91	119	98753	0.358	ppbv		92
66) Benzyl Chloride	17.16	91	13243	0.116	ppbv	#	70
67) sec-Butylbenzene	17.46	105	144846	0.370	ppbv		100
69) p-Isopropyltoluene	17.81	119	109260	0.342	ppbv		95
70) n-Butylbenzene	18.72	91	119278	0.350	ppbv		98
71) 2-Chlorotoluene	15.61	91	37018	0.155	ppbv	#	46
72) 4-Ethyltoluene	16.00	105	84129	0.336	ppbv	#	97
73) 1,3,5-Trimethylbenzene	16.16	105	79324	0.325	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	54843	0.212	ppbv		93
75) 1,3-Dichlorobenzene	17.16	146	62374	0.410	ppbv		95
76) 1,4-Dichlorobenzene	17.30	146	60635	0.411	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	54167	0.376	ppbv		95
78) Hexachloro-1,3-Butadiene	23.54	225	18864	0.218	ppbv	#	19
79) Naphthalene	22.42	128	48815	0.196	ppbv		95
80) Naphthalene,2-methyl-	25.12	142	27719	0.235	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	41406	0.326	ppbv		90

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

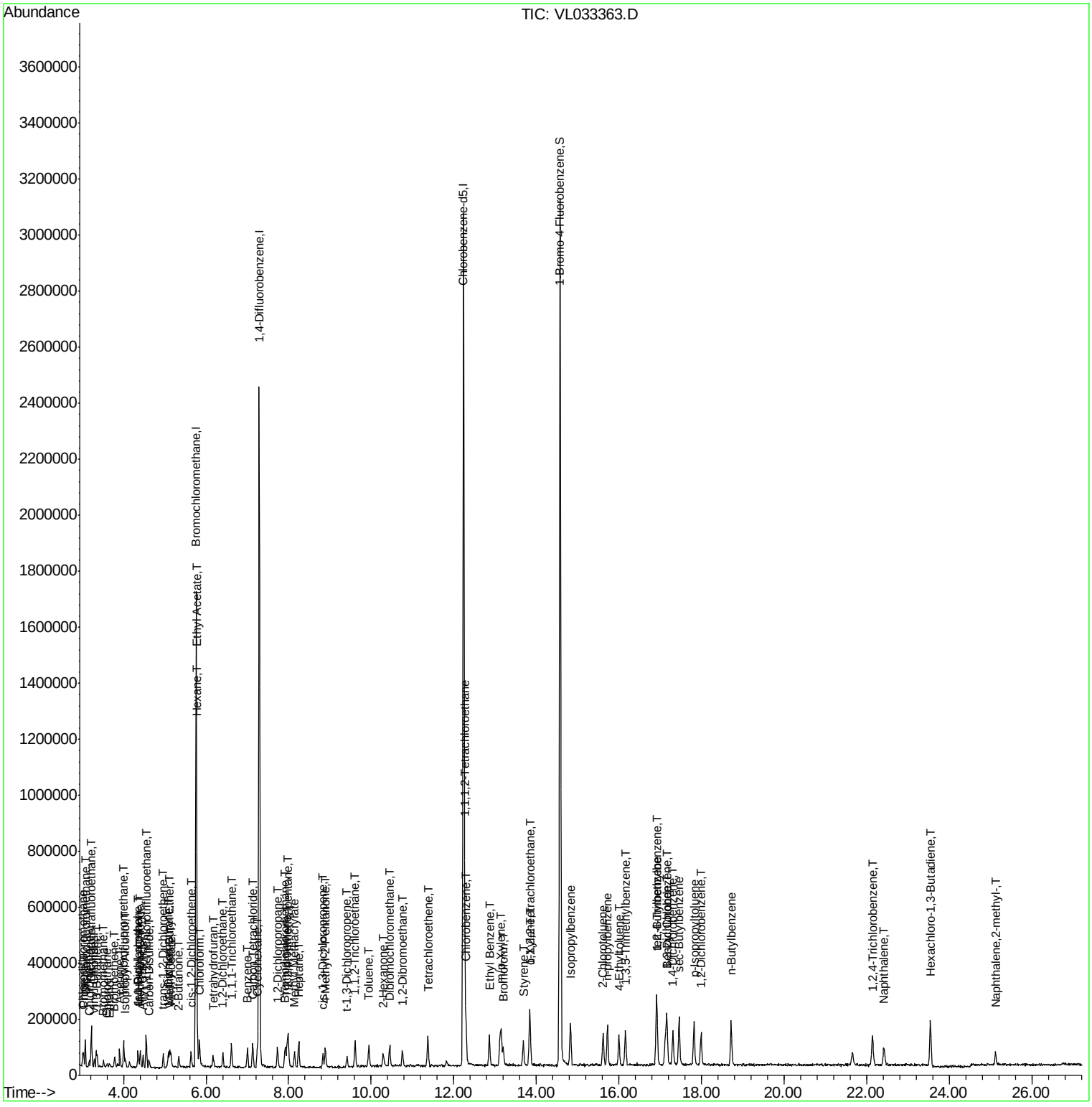
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

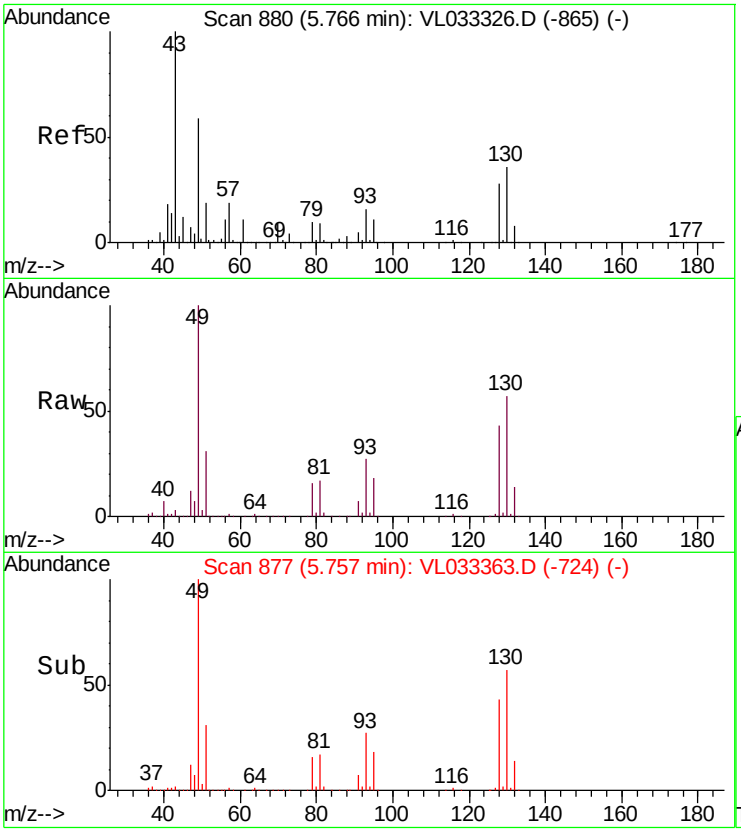
Quantitation Report (Not Reviewed)

Data File : VL033363.D
Acq On : 18 Mar 2019 18:05
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 19 06:53:40 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



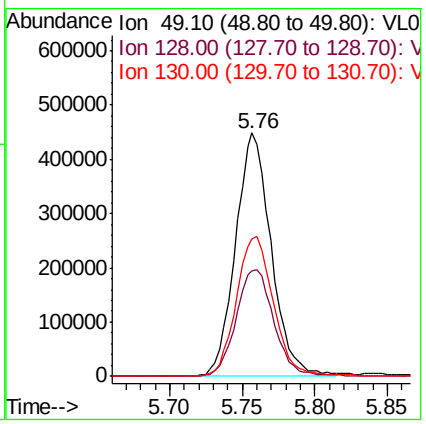


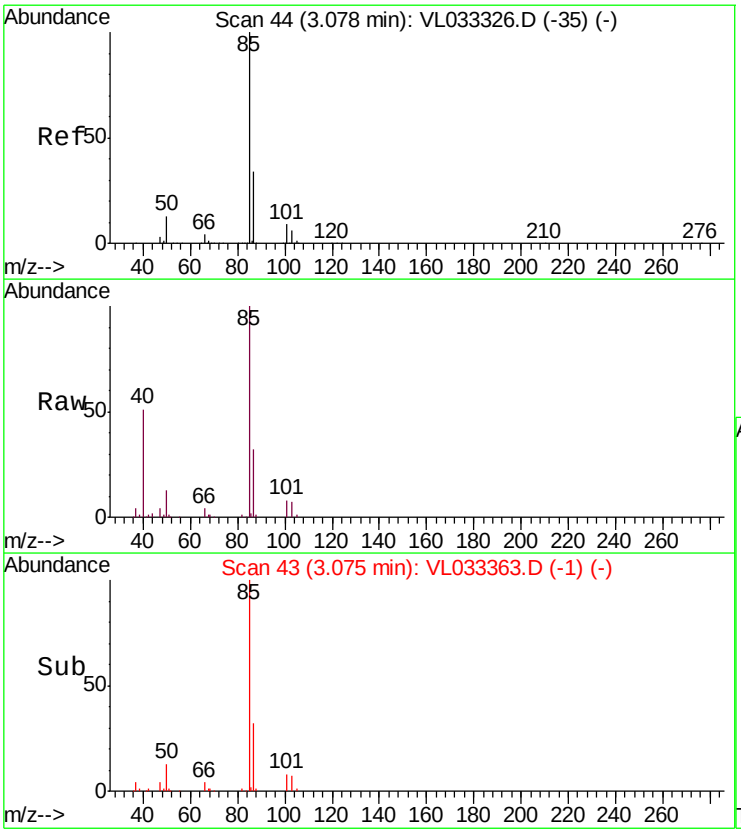
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 49 Resp: 767961

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.5	70.6
130	59.9	30.1	90.3

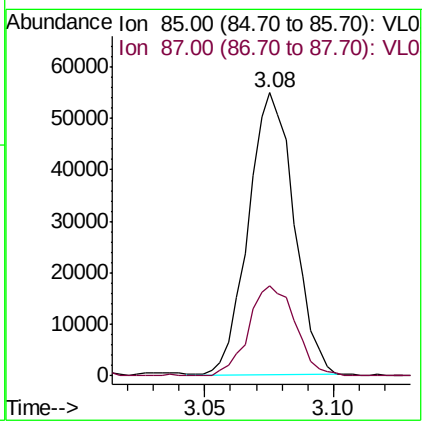


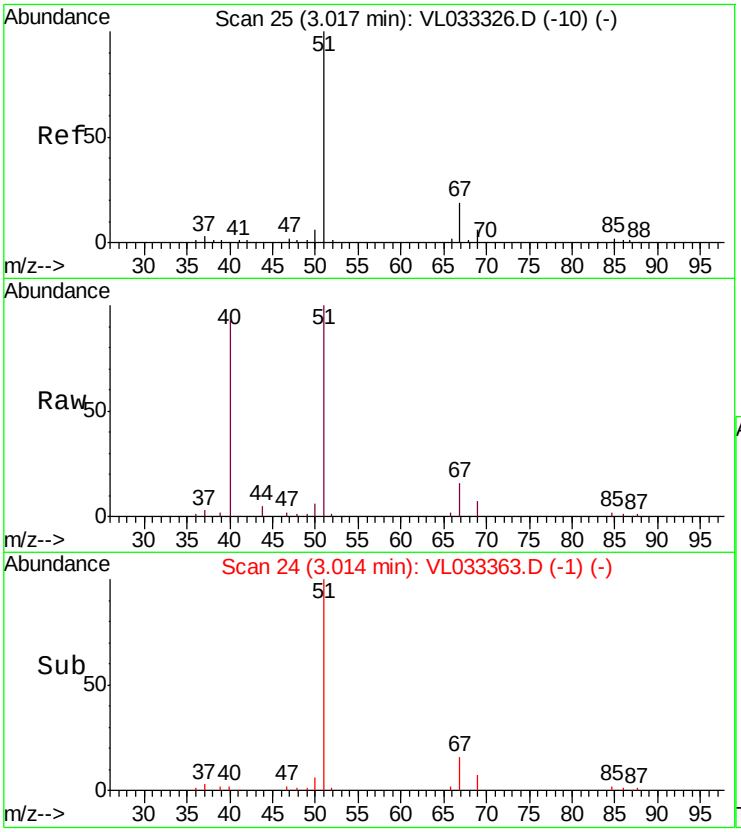


#2
Dichlorodifluoromethane
Concen: 0.503 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 85 Resp: 67974

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.9	40.3



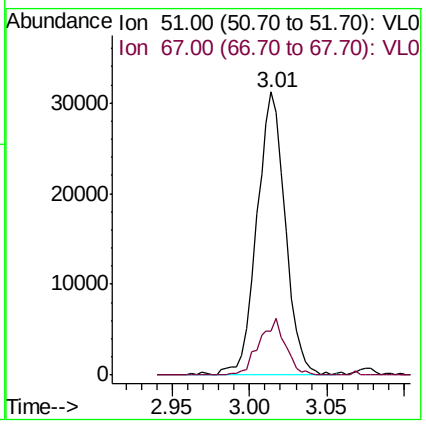


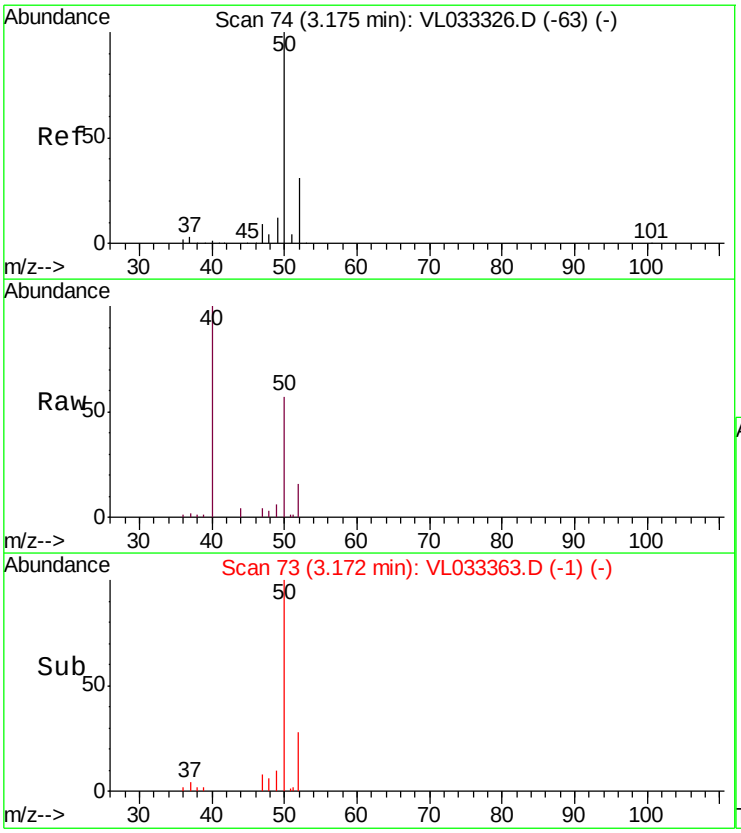
#3
Chlorodifluoromethane
Concen: 0.453 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 51 Resp: 39941

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3

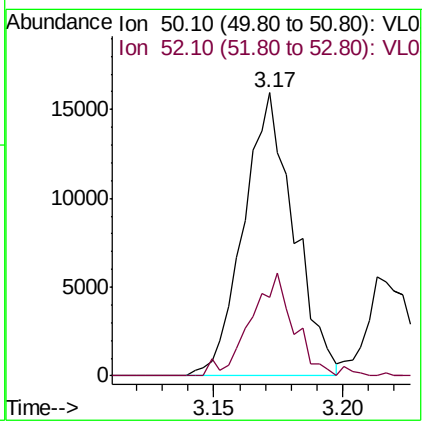


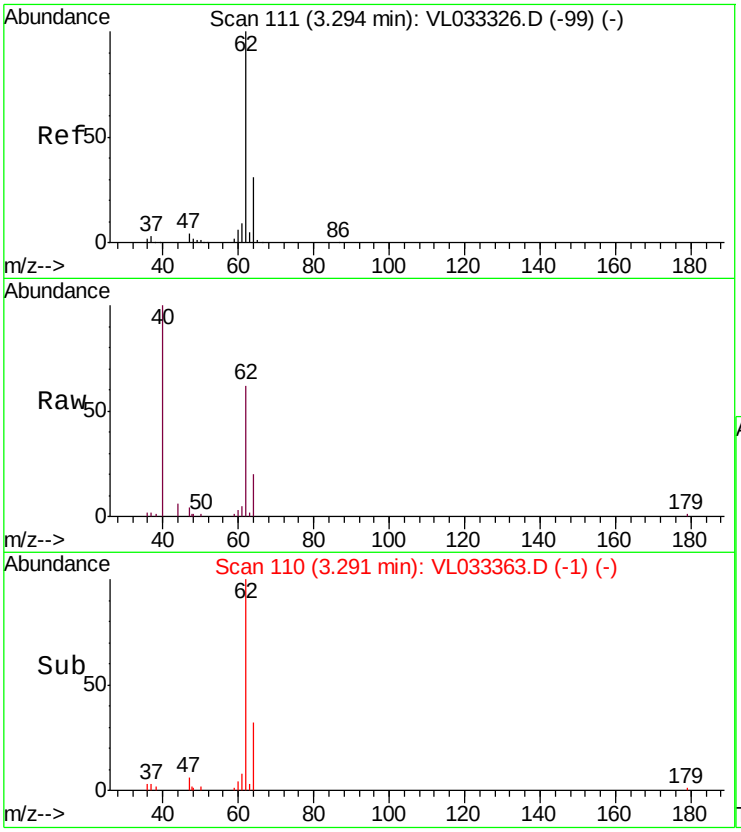


#4
Chloromethane
Concen: 0.455 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 50 Resp: 21714

Ion	Ratio	Lower	Upper
50	100		
52	27.3	25.0	37.6



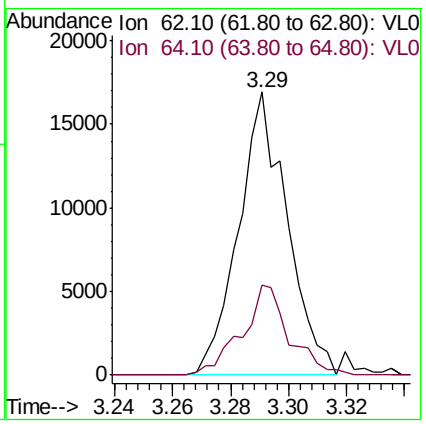


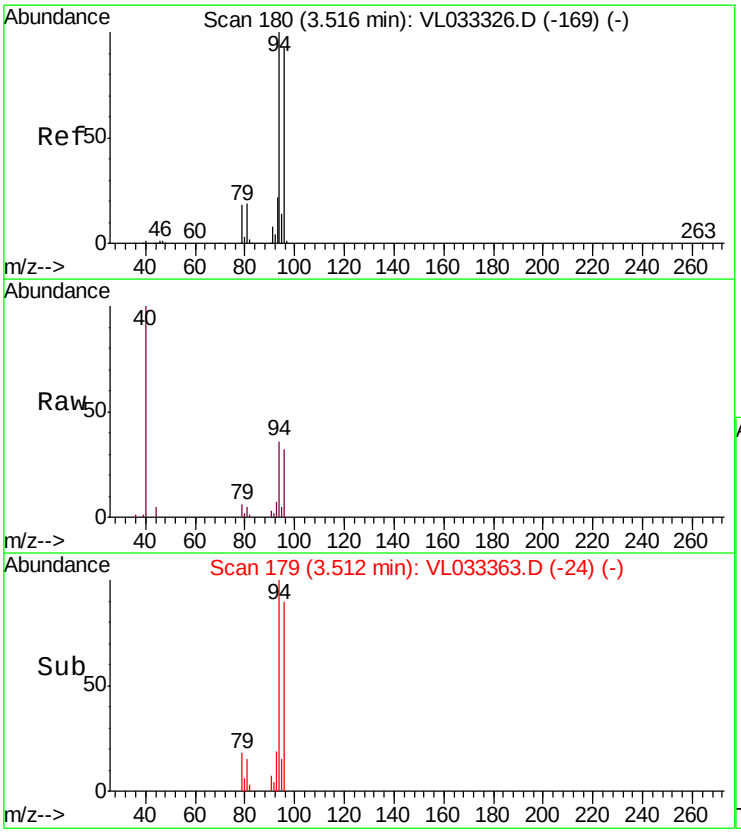
#5
Vinyl Chloride
Concen: 0.400 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 62 Resp: 19686

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.0	37.6

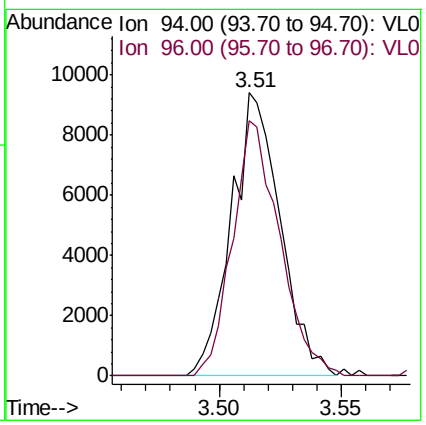


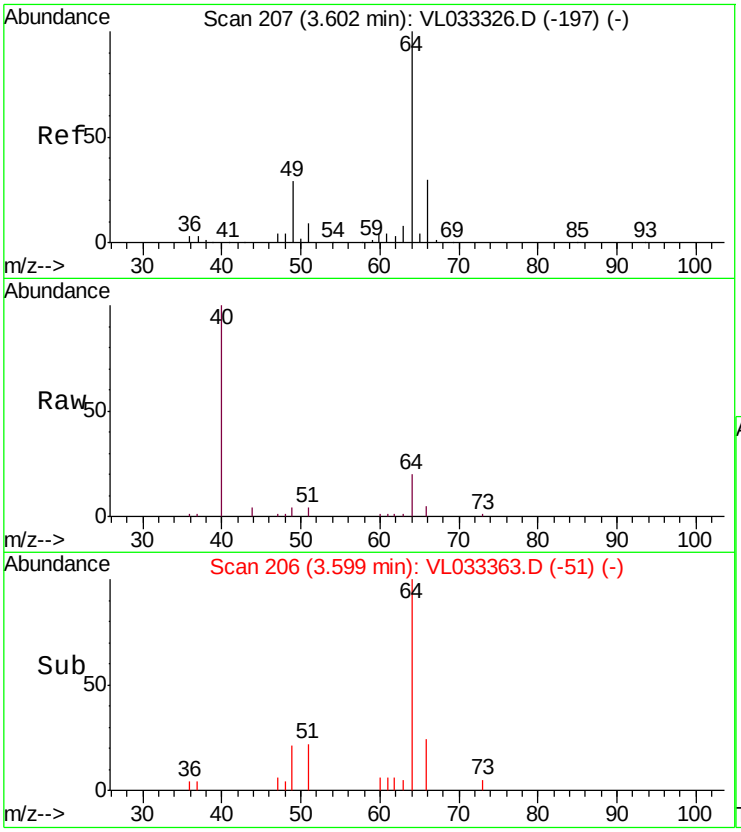


#6
Bromomethane
Concen: 0.446 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 94 Resp: 13047

Ion	Ratio	Lower	Upper
94	100		
96	90.0	74.6	111.8



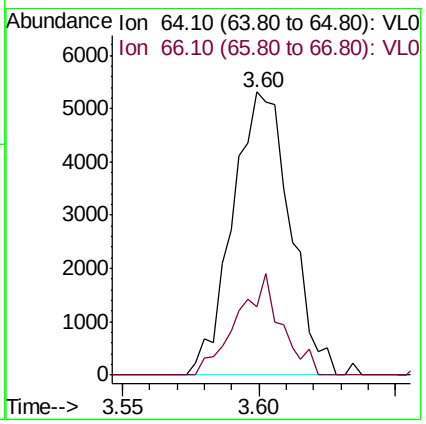


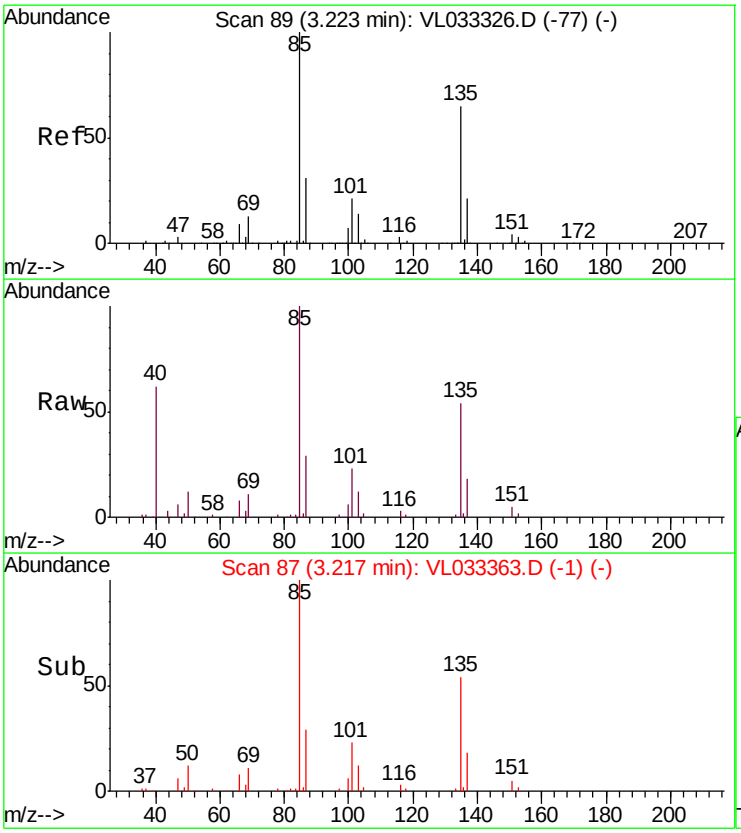
#7
Chloroethane
Concen: 0.453 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 64 Resp: 7787

Ion	Ratio	Lower	Upper
64	100		
66	24.1	24.0	36.0

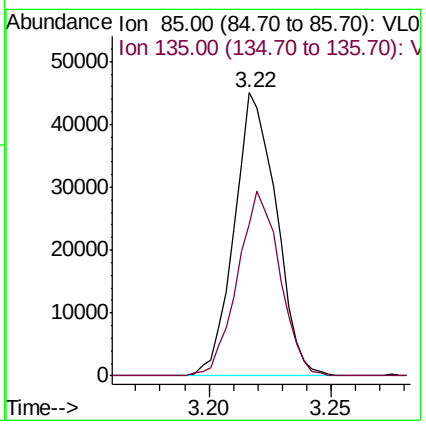


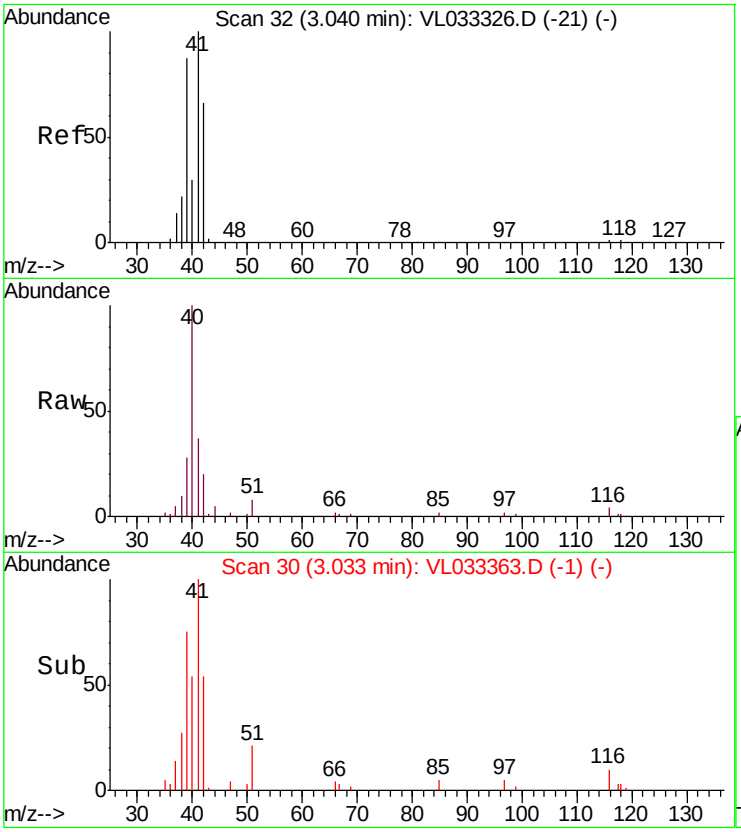


#8
Dichlorotetrafluoroethane
Concen: 0.467 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 85 Resp: 53737

Ion	Ratio	Lower	Upper
85	100		
135	65.5	53.4	80.2



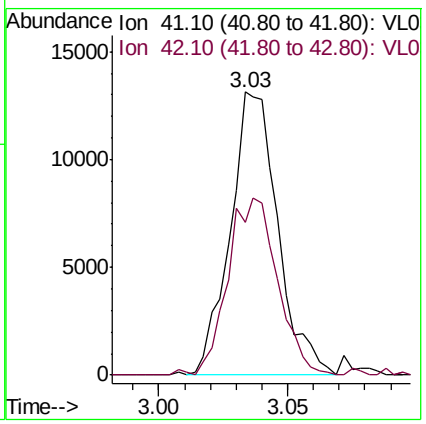


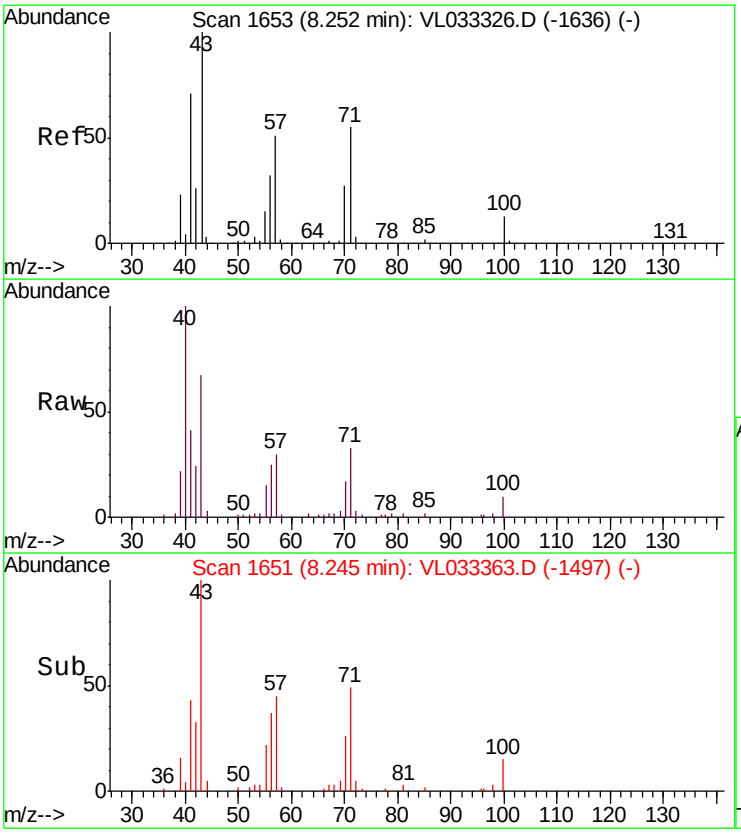
#9
Propene
Concen: 0.431 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 41 Resp: 16956

Ion	Ratio	Lower	Upper
41	100		
42	66.8	55.2	82.8

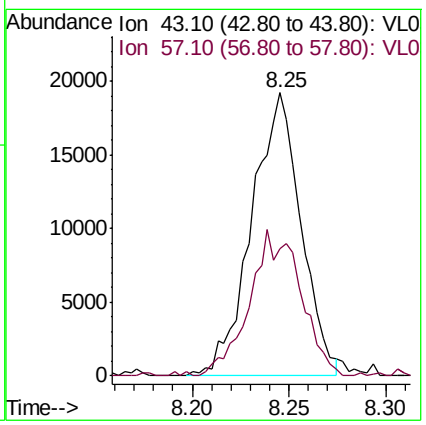


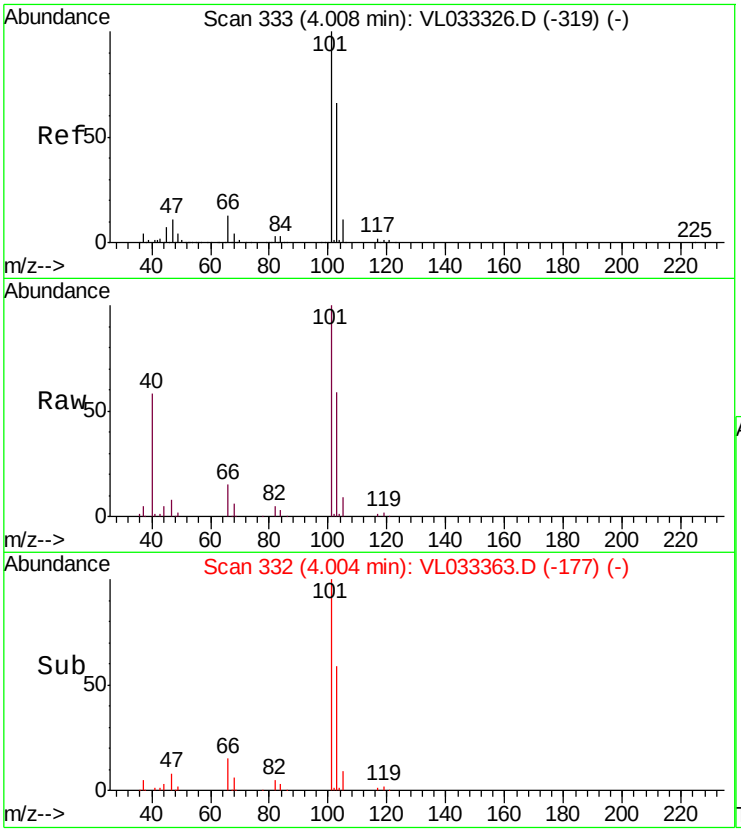


#10
Heptane
Concen: 0.349 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 43 Resp: 34037

Ion	Ratio	Lower	Upper
43	100		
57	54.0	40.4	60.6



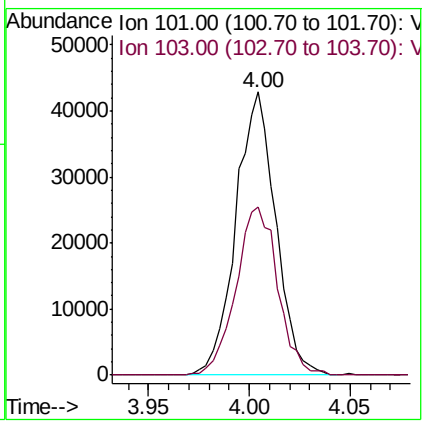


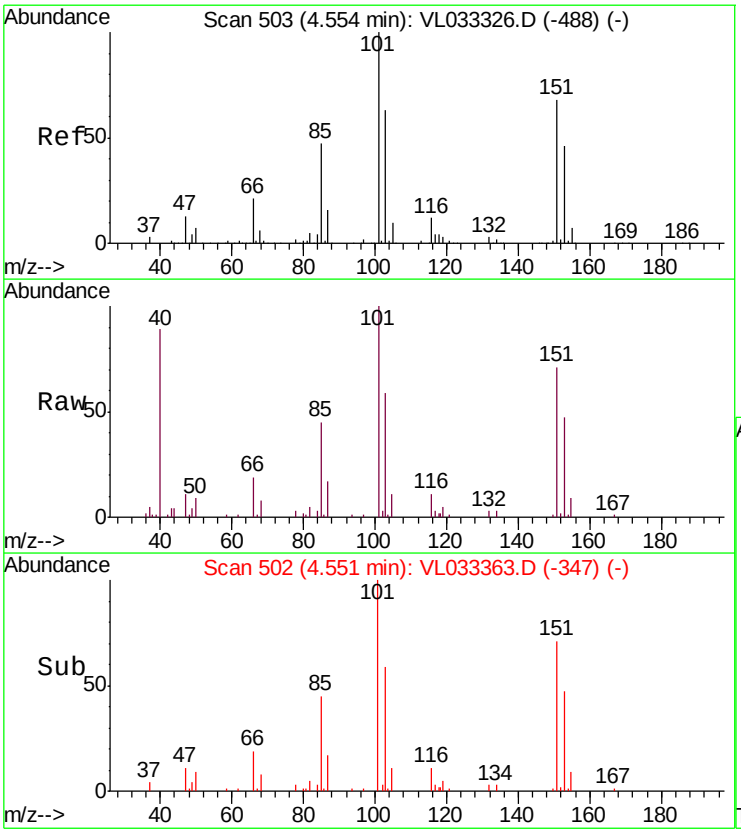
#11
Trichlorofluoromethane
Concen: 0.442 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:101 Resp: 59373

Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.9	79.3

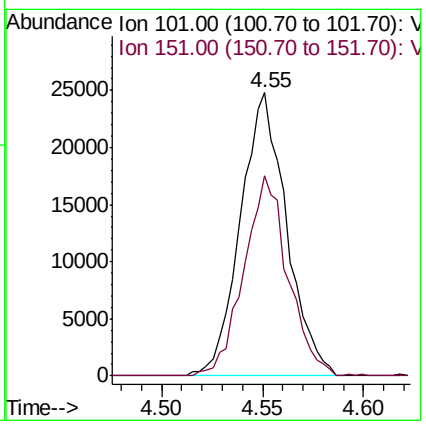


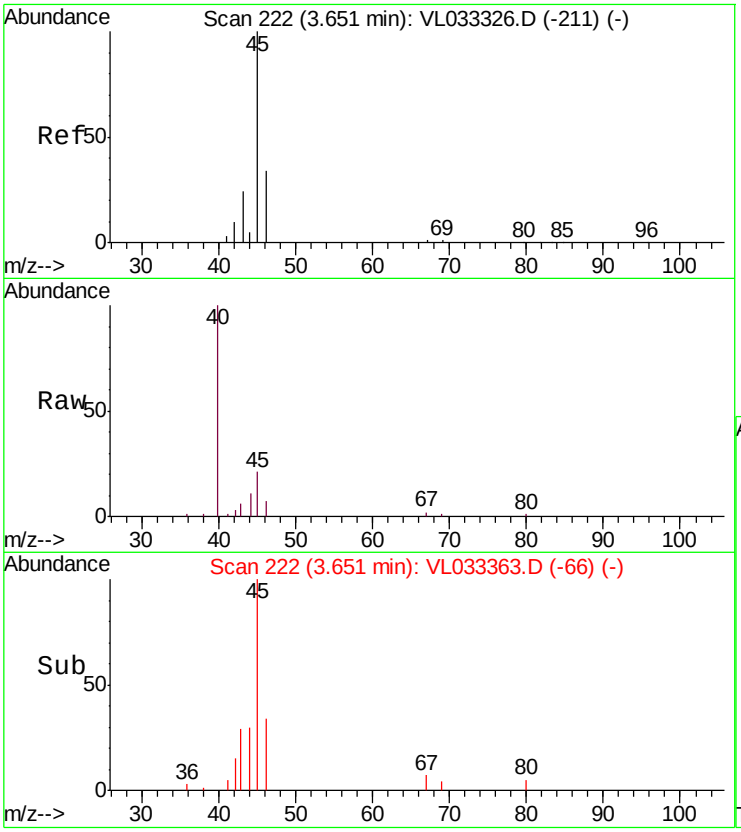


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.444 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:101 Resp: 39619

Ion	Ratio	Lower	Upper
101	100		
151	67.5	56.3	84.5



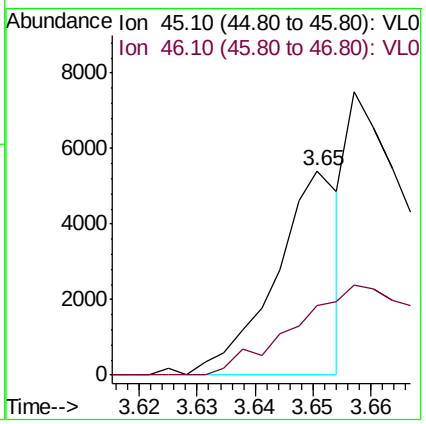


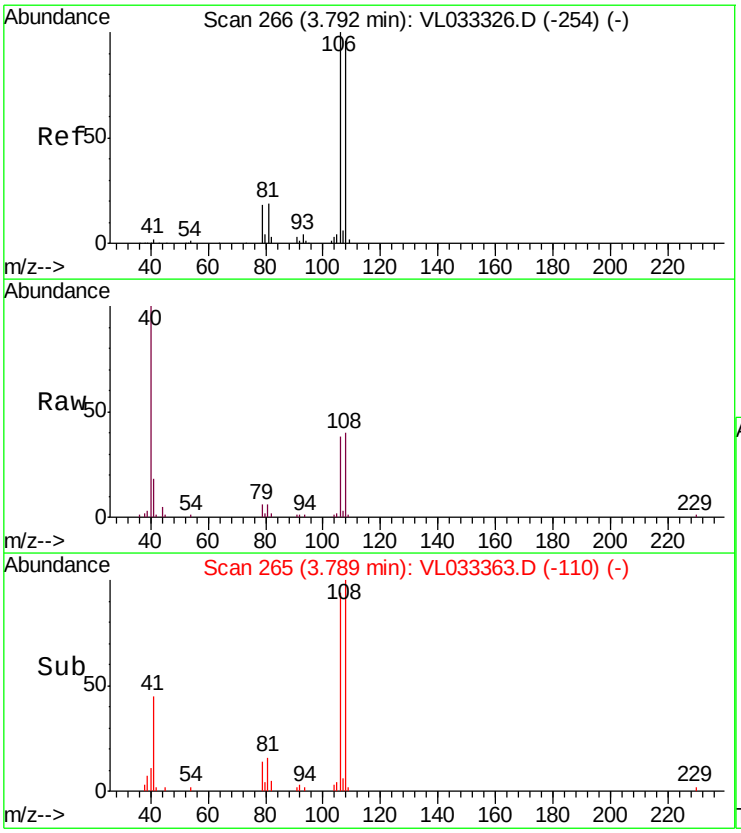
#13
Ethanol
Concen: 0.222 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 45 Resp: 4170

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

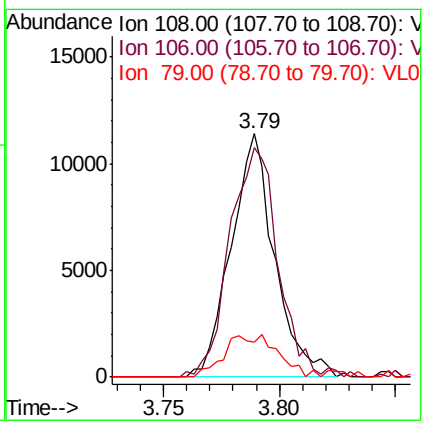


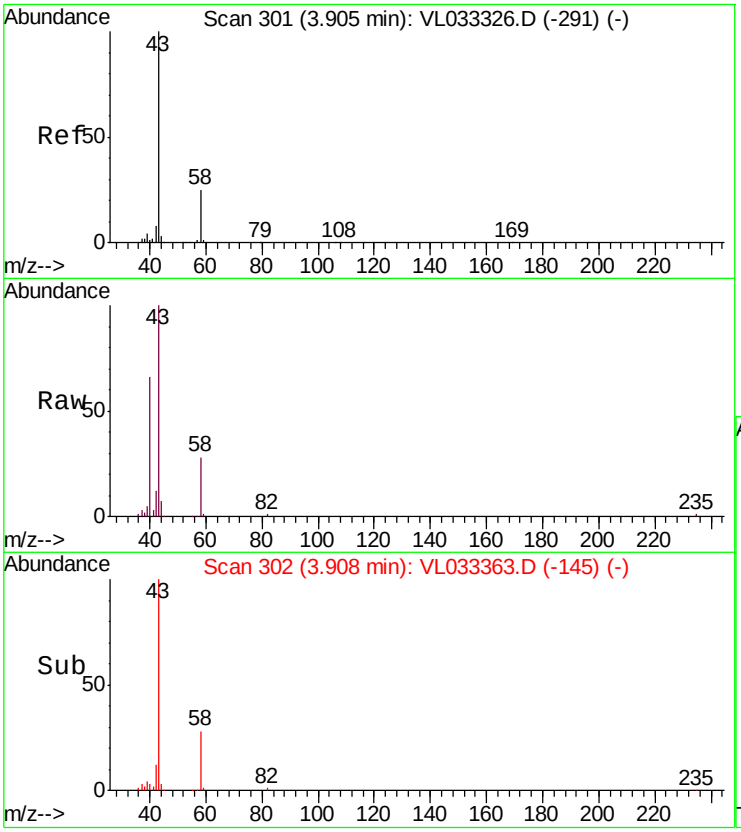


#14
Bromoethene
Concen: 0.401 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:108 Resp: 14912

Ion	Ratio	Lower	Upper
108	100		
106	105.2	86.2	129.2
79	22.5	15.4	23.2



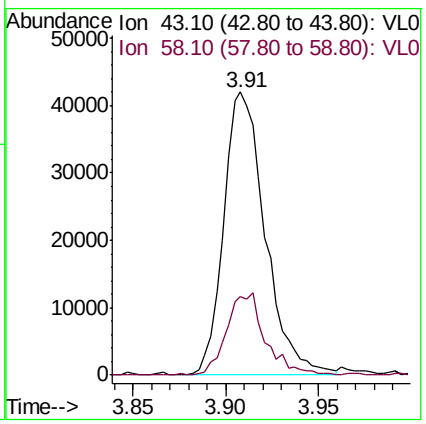


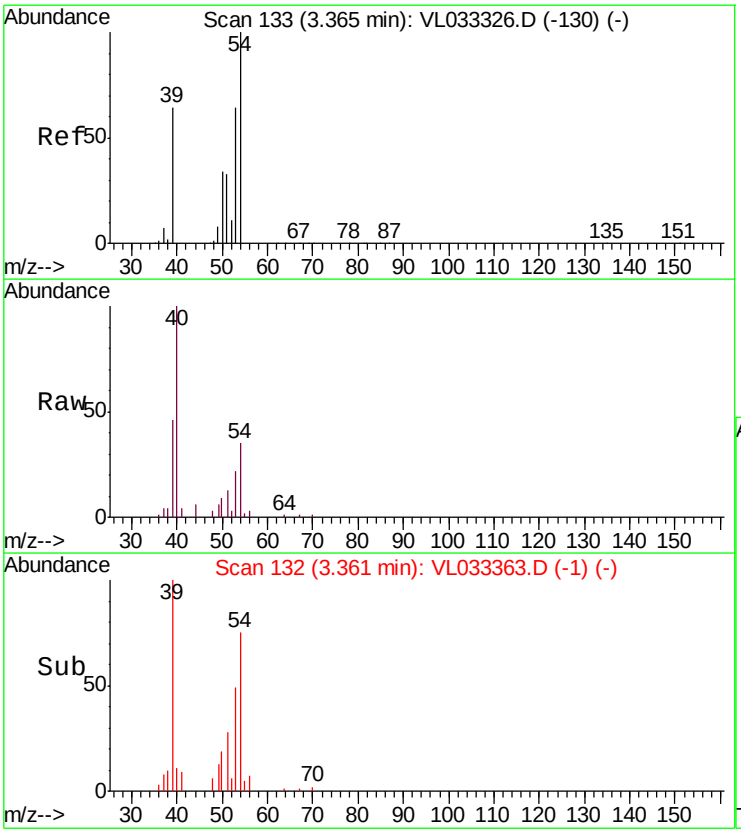
#15
Acetone
Concen: 0.546 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 43 Resp: 65165

Ion	Ratio	Lower	Upper
43	100		
58	27.3	20.4	30.6

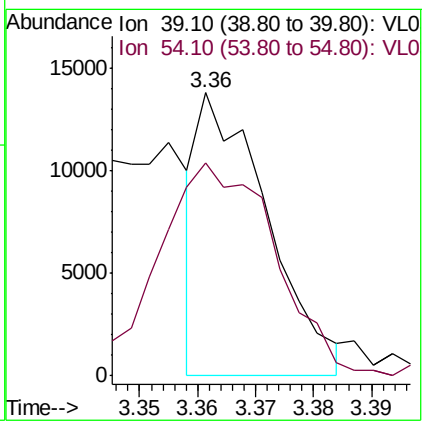


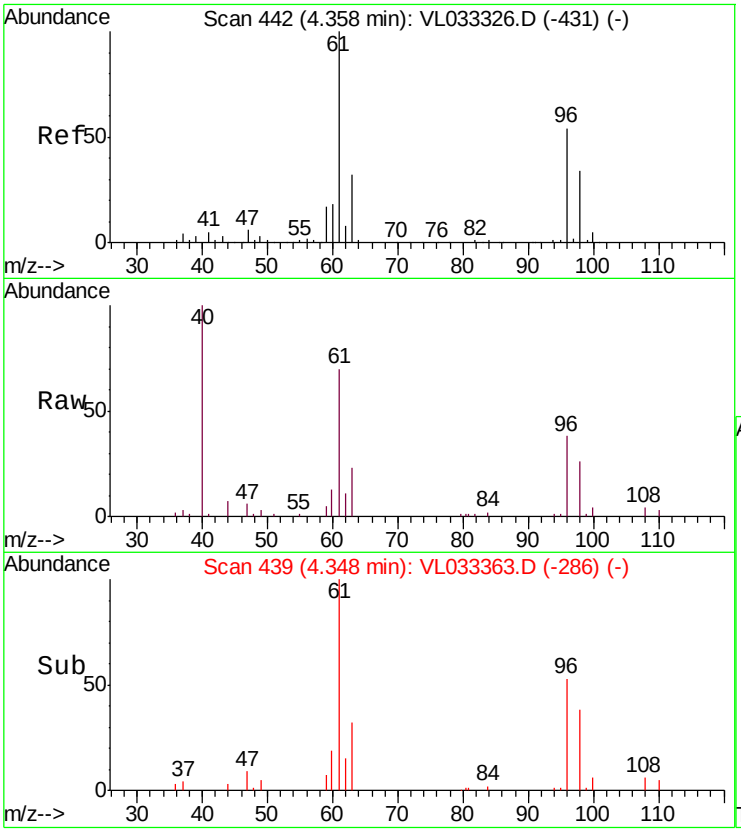


#16
1,3-Butadiene
Concen: 0.294 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 39 Resp: 11416

Ion	Ratio	Lower	Upper
39	100		
54	132.5	76.8	115.2#



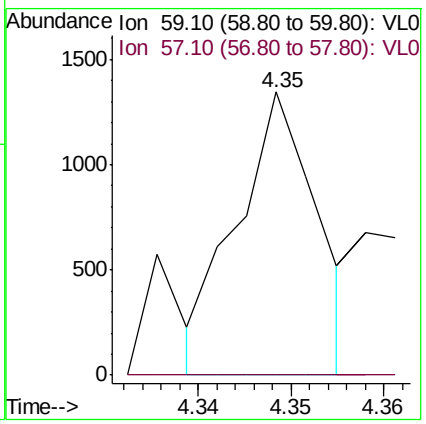


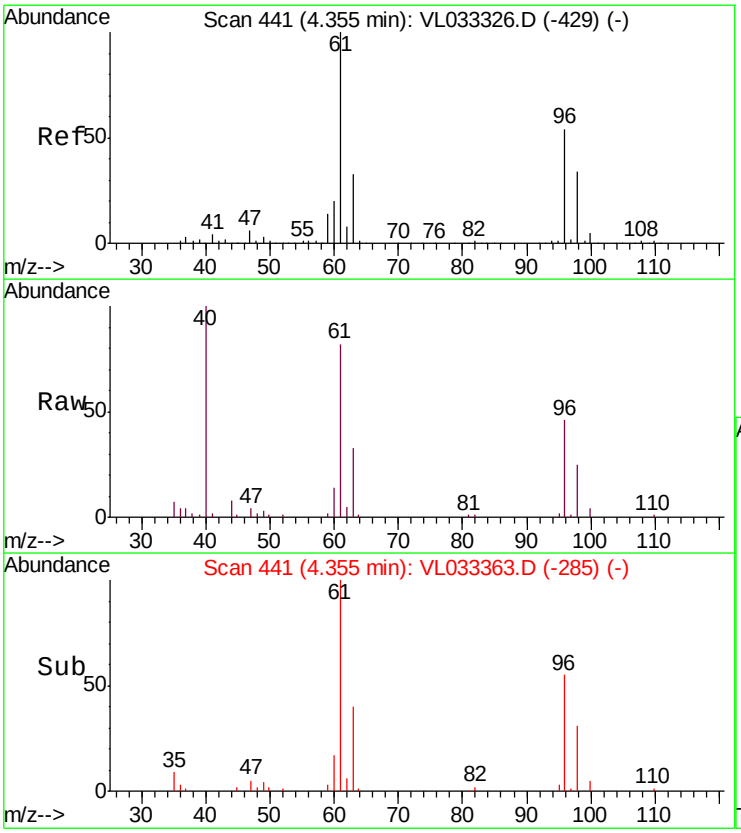
#17
tert-Butyl alcohol
Concen: 0.048 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 59 Resp: 805

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

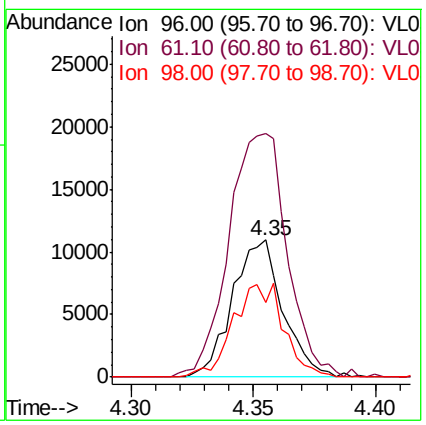


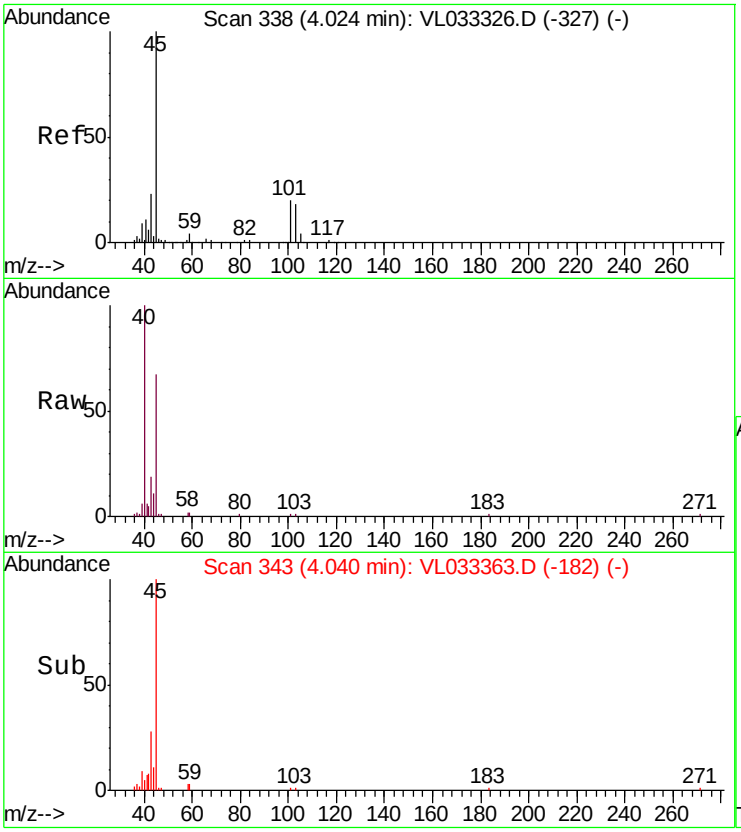


#18
1,1-Dichloroethene
Concen: 0.386 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 96 Resp: 15731

Ion	Ratio	Lower	Upper
96	100		
61	174.0	148.6	222.8
98	54.5	50.3	75.5



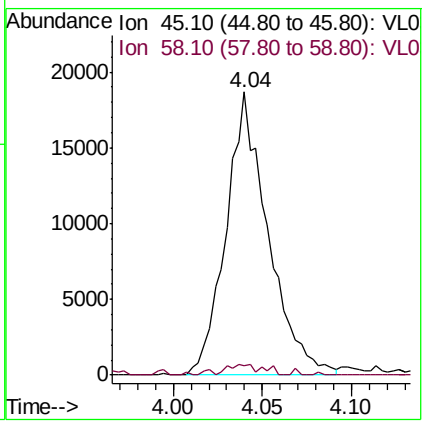


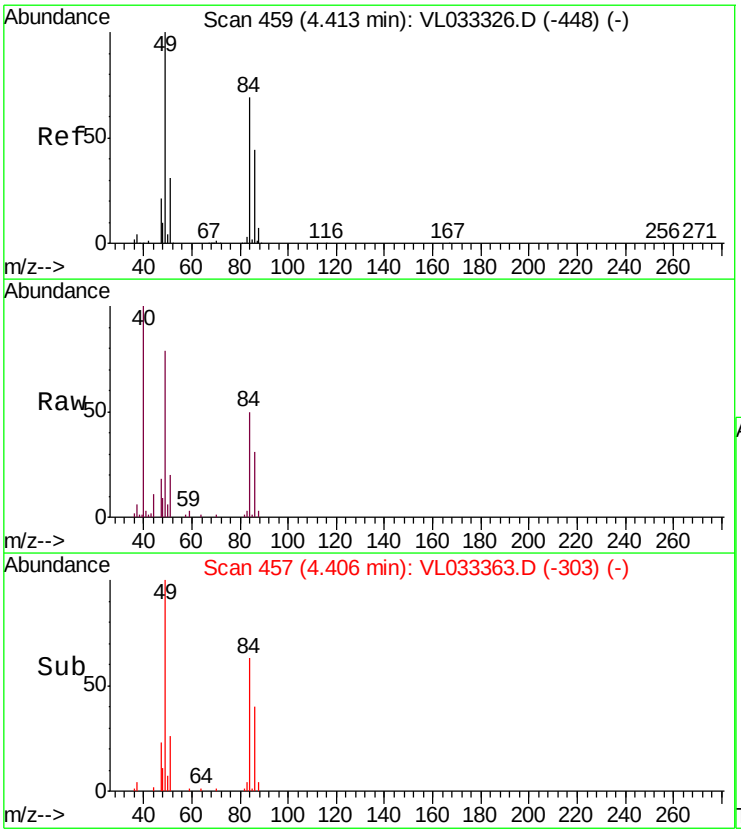
#19
Isopropyl Alcohol
Concen: 0.539 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 45 Resp: 30596

Ion	Ratio	Lower	Upper
45	100		
58	4.0	1.5	2.3#

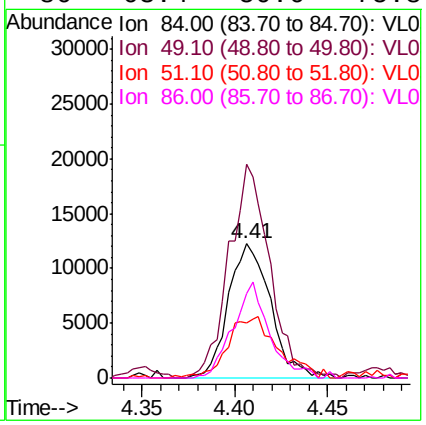


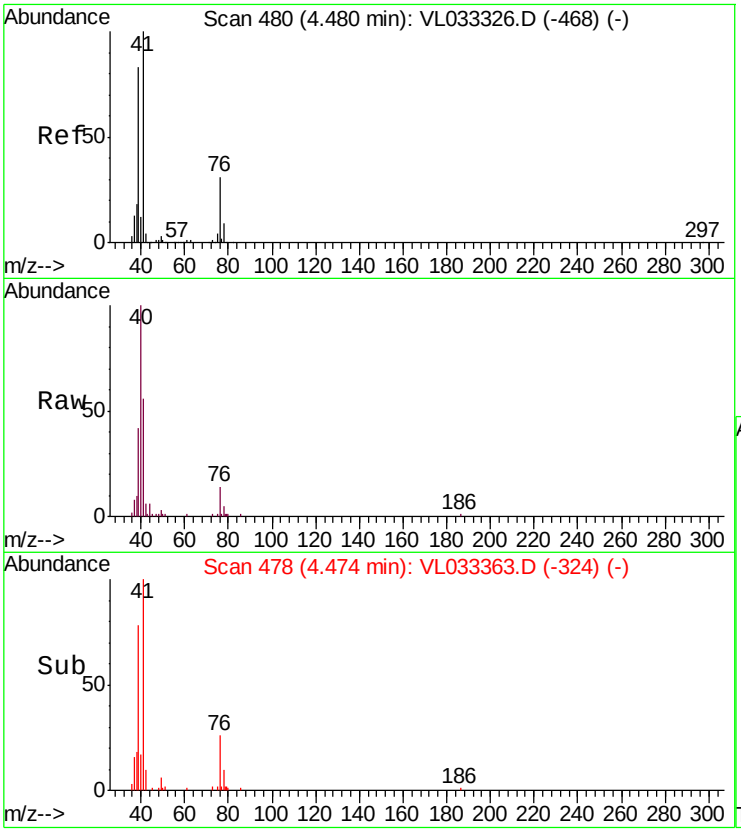


#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 84 Resp: 19400

Ion	Ratio	Lower	Upper
84	100		
49	159.4	115.4	173.0
51	41.3	35.8	53.6
86	63.4	50.6	75.8



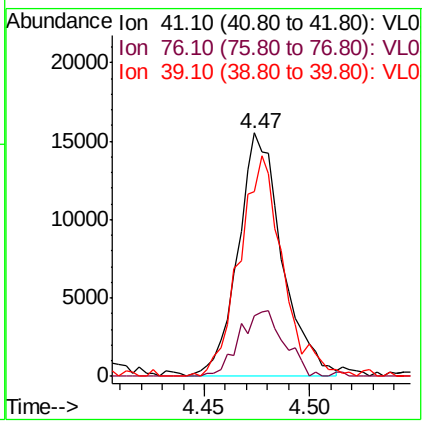


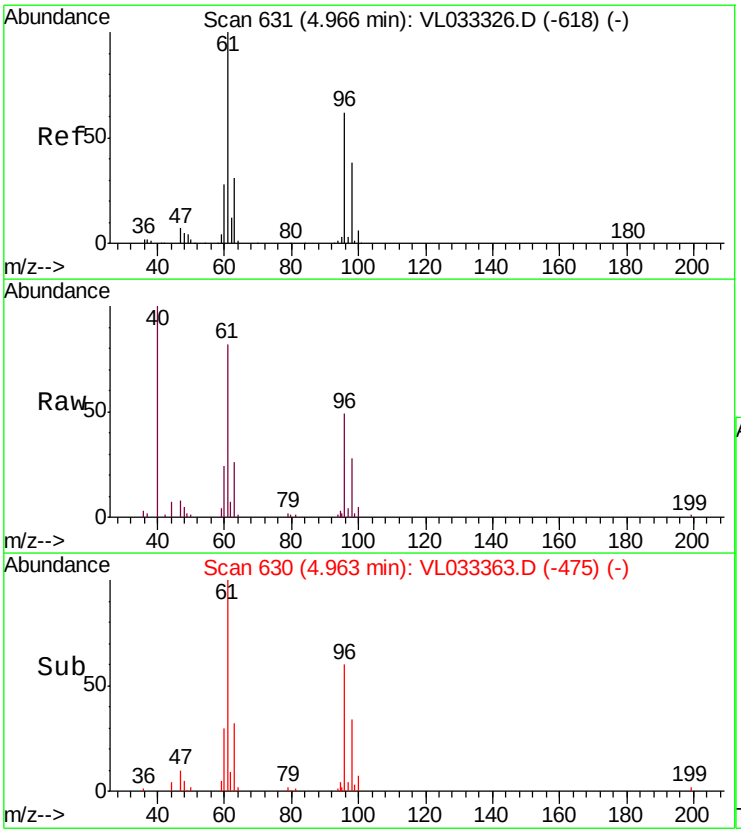
#21
Allyl Chloride
Concen: 0.390 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 41 Resp: 22587

Ion	Ratio	Lower	Upper
41	100		
76	27.7	25.0	37.4
39	89.9	65.9	98.9

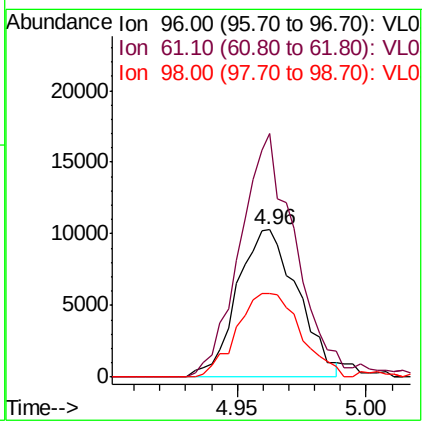


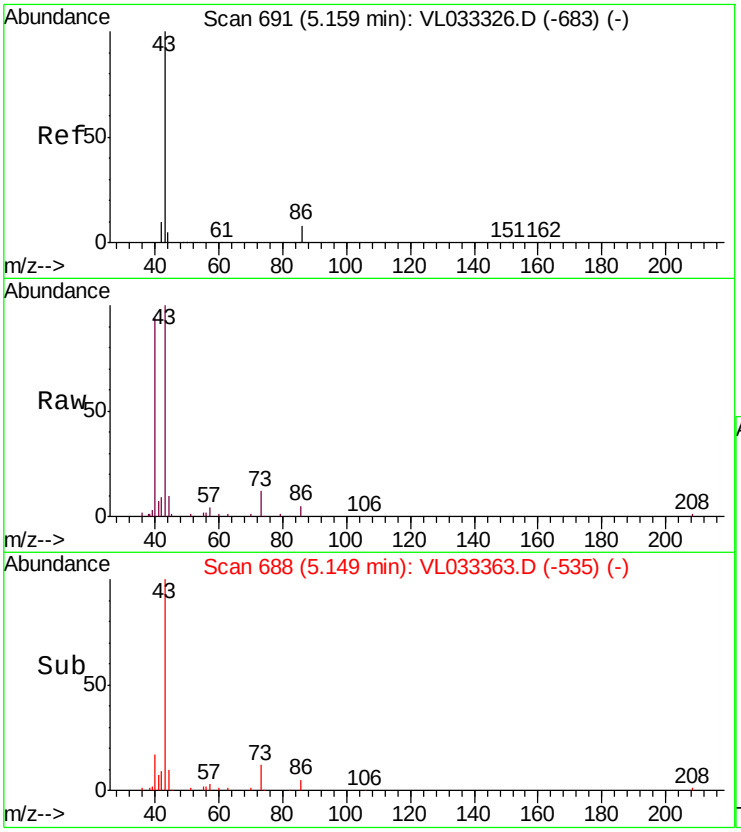


#22
trans-1,2-Dichloroethene
Concen: 0.427 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 96 Resp: 16897

Ion	Ratio	Lower	Upper
96	100		
61	154.3	130.0	195.0
98	53.0	50.0	75.0



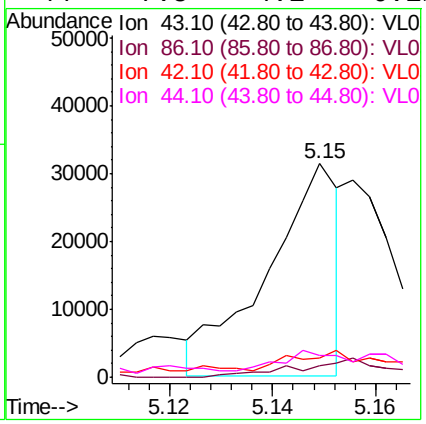


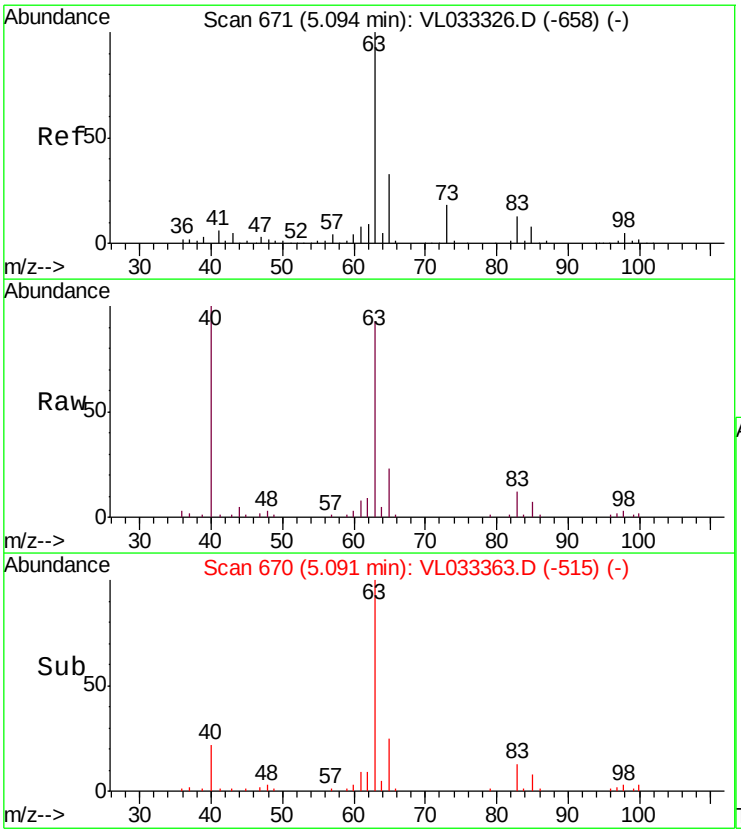
#23
Vinyl Acetate
Concen: 0.218 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 30095

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.2	9.2
42	7.0	8.1	12.1#
44	7.5	4.1	6.1#

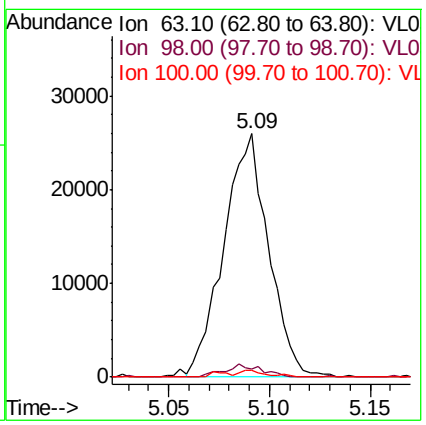


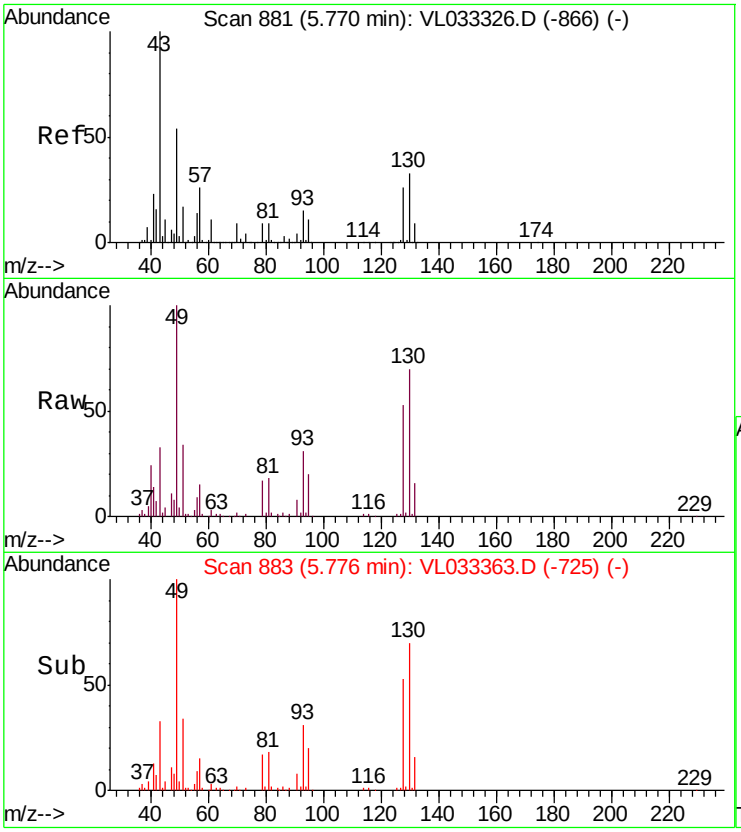


#24
1,1-Dichloroethane
Concen: 0.406 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 63 Resp: 40527

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.4	7.1
100	2.6	1.3	3.8



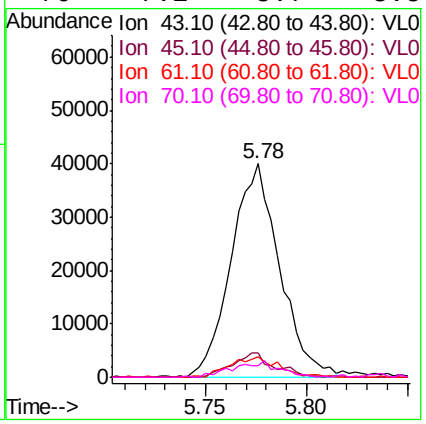


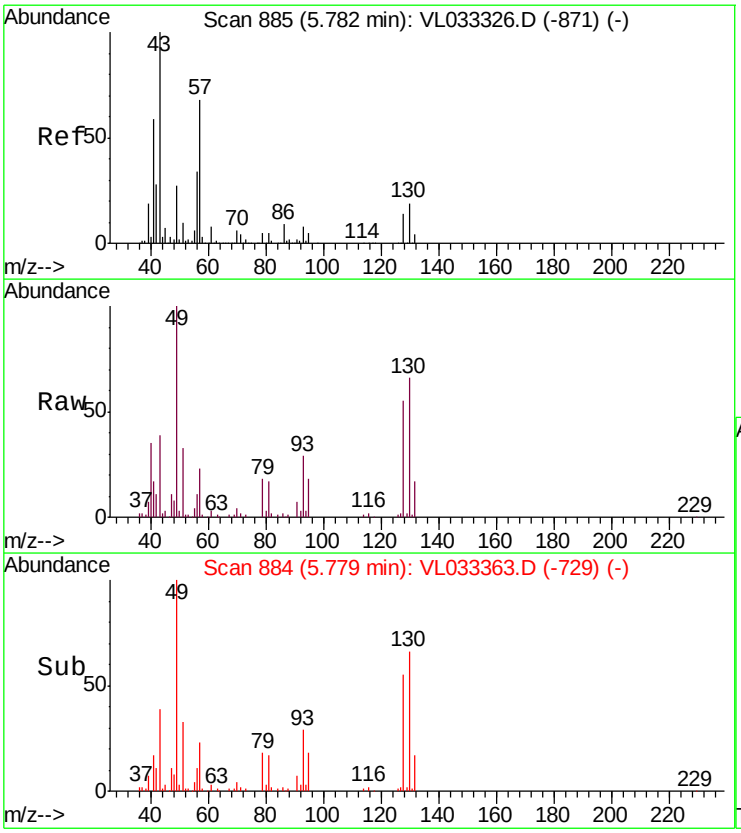
#25
Ethyl Acetate
Concen: 0.387 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 67215

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.8	7.4	11.2
70	7.2	5.7	8.5

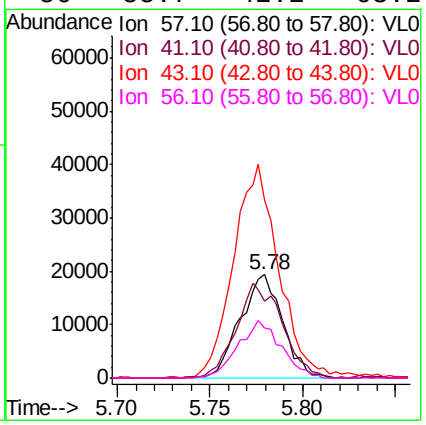


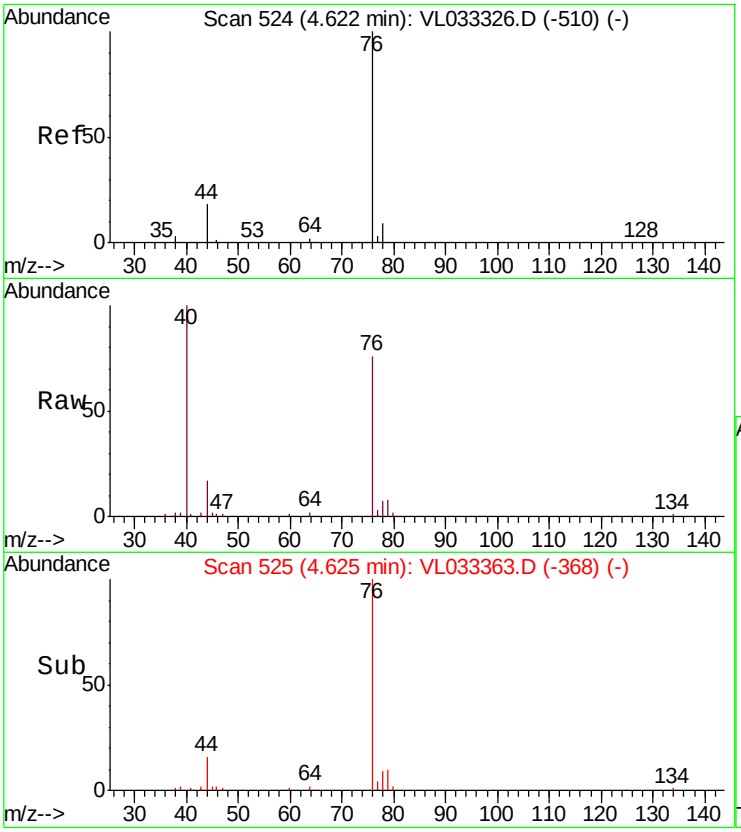


#26
Hexane
Concen: 0.397 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 57 Resp: 30827

Ion	Ratio	Lower	Upper
57	100		
41	98.6	70.5	105.7
43	223.0	181.8	272.8
56	55.7	42.2	63.2



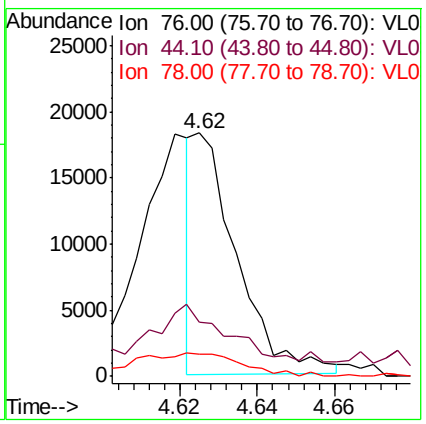


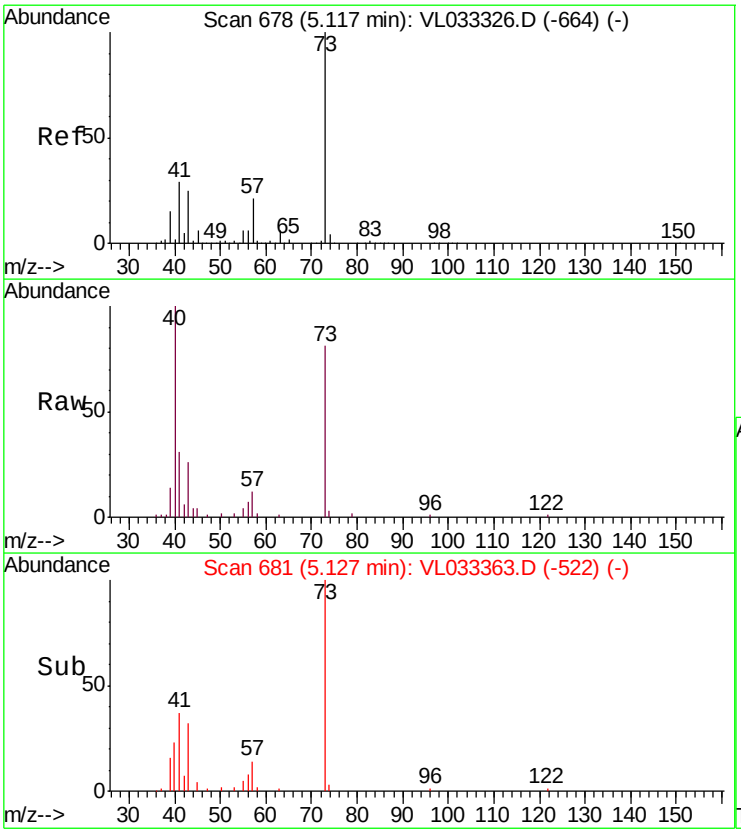
#27
Carbon Disulfide
Concen: 0.159 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 76 Resp: 14172

Ion	Ratio	Lower	Upper
76	100		
44	57.0	15.2	22.8#
78	25.3	7.2	10.8#

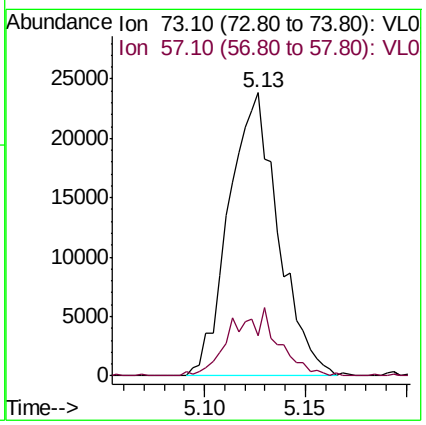


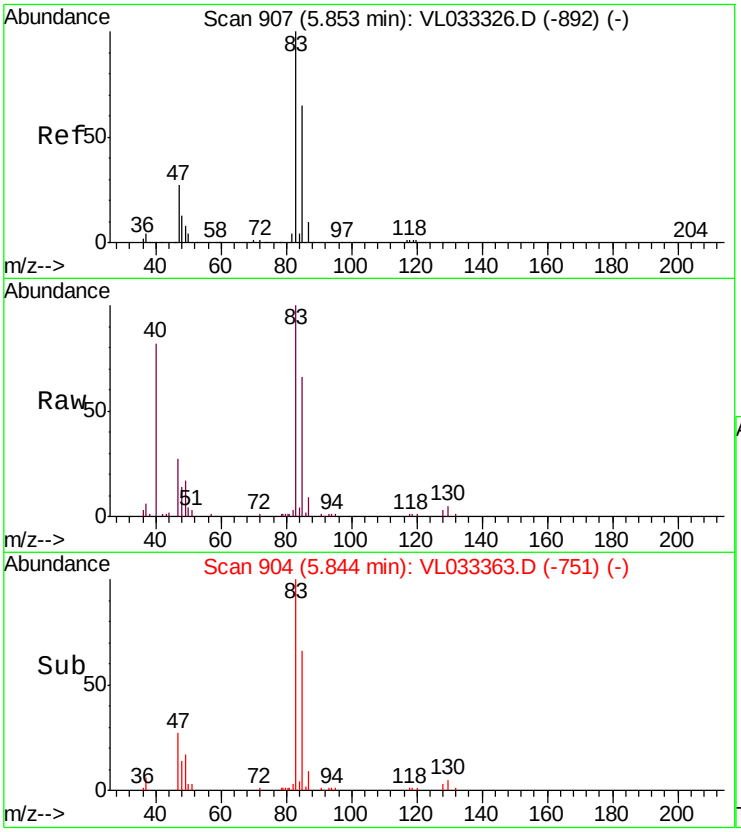


#28
Methyl tert-Butyl Ether
Concen: 0.355 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 73 Resp: 40874

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.0



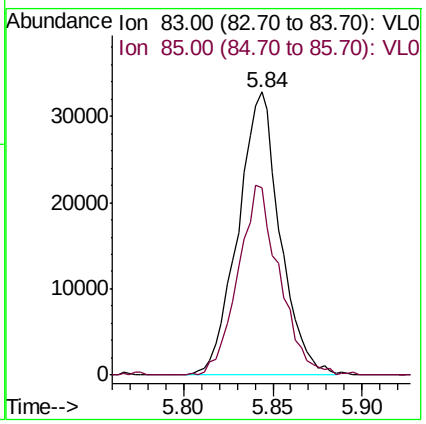


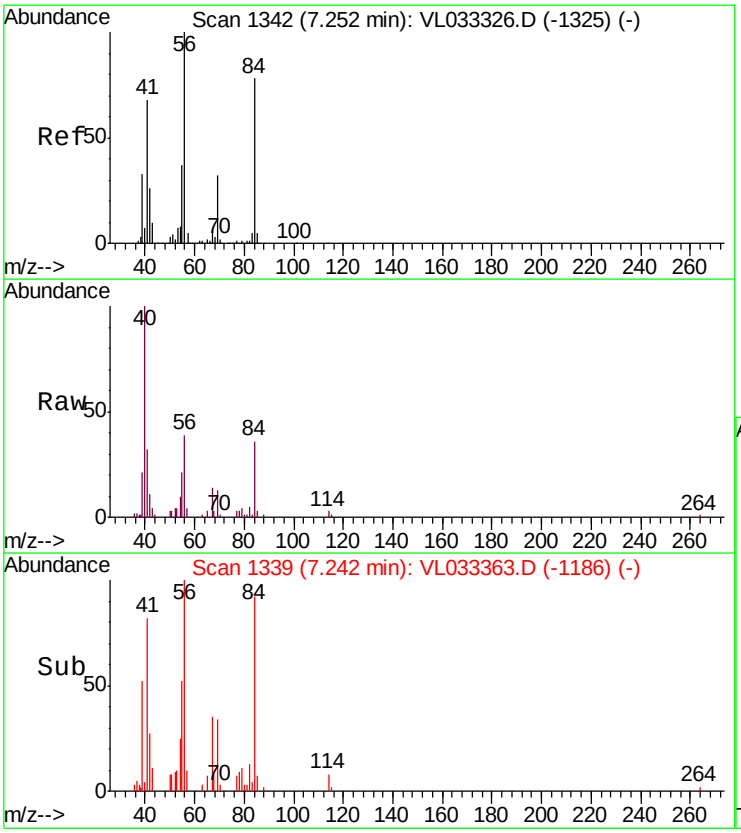
#29
Chloroform
Concen: 0.425 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 83 Resp: 54026

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.0	78.0

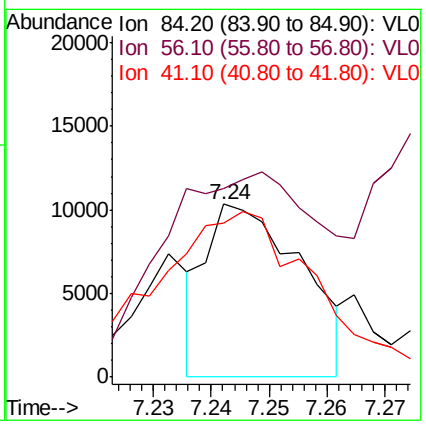


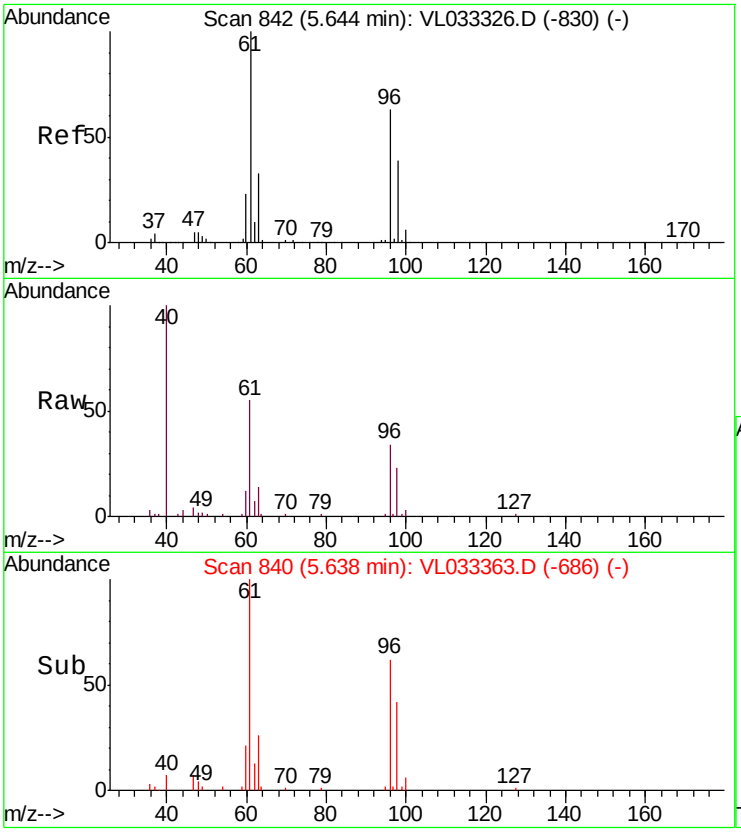


#30
Cyclohexane
Concen: 0.190 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 84 Resp: 11790

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.3	166.9#
41	168.8	69.6	104.4#



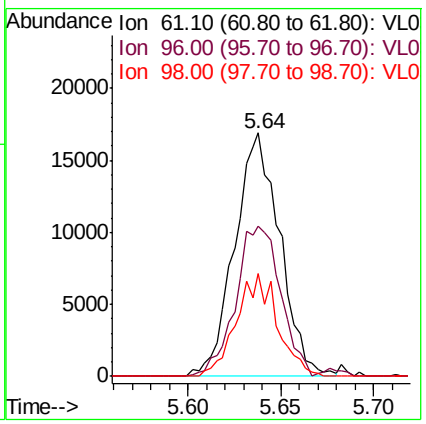


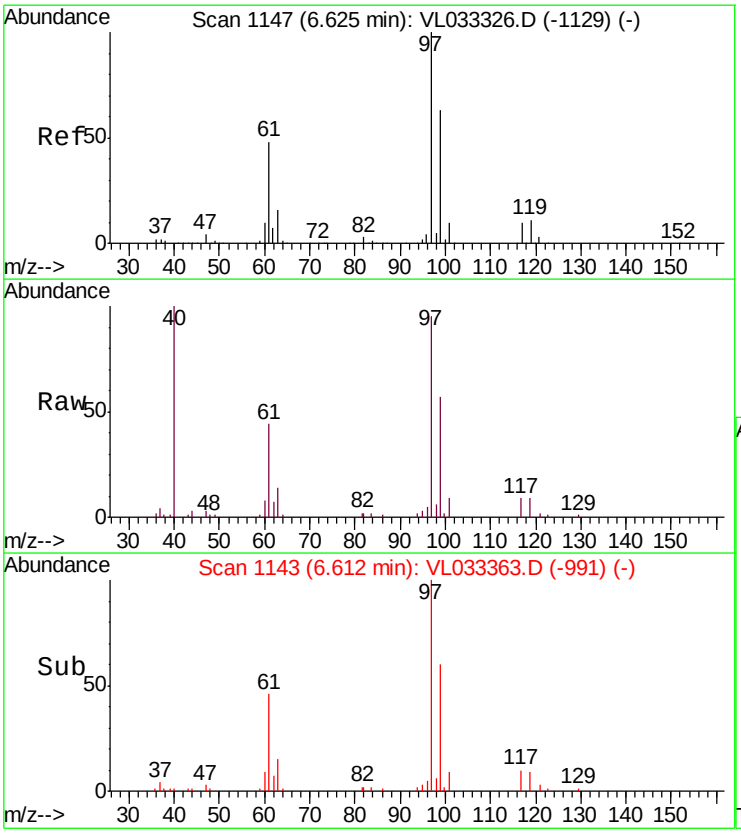
#31
cis-1,2-Dichloroethene
Concen: 0.370 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 61 Resp: 28688

Ion	Ratio	Lower	Upper
61	100		
96	61.9	50.3	75.5
98	42.3	31.5	47.3

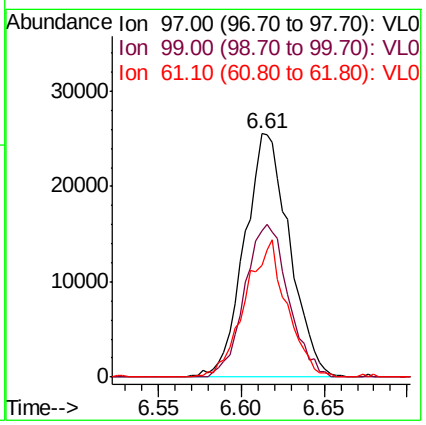


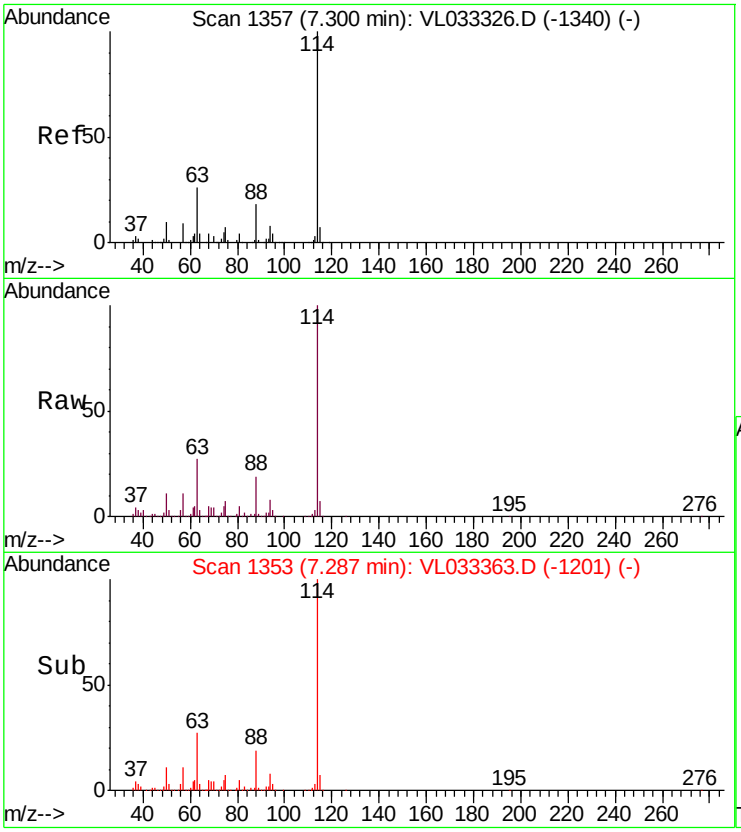


#32
1,1,1-Trichloroethane
Concen: 0.386 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 97 Resp: 48168

Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.0	76.6
61	52.6	39.3	58.9



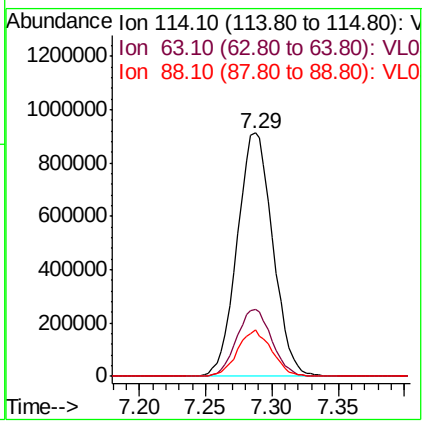


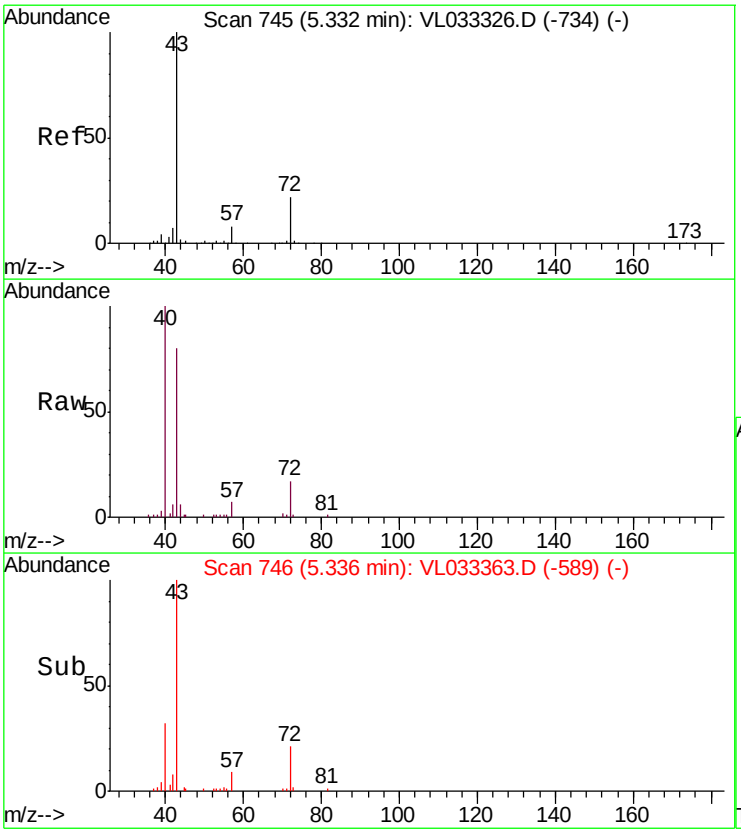
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:114 Resp: 1704160

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.4	32.2
88	18.2	14.5	21.7

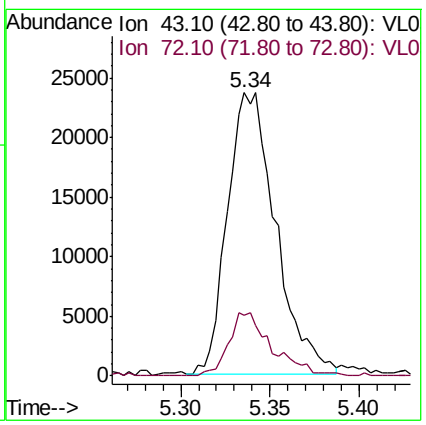


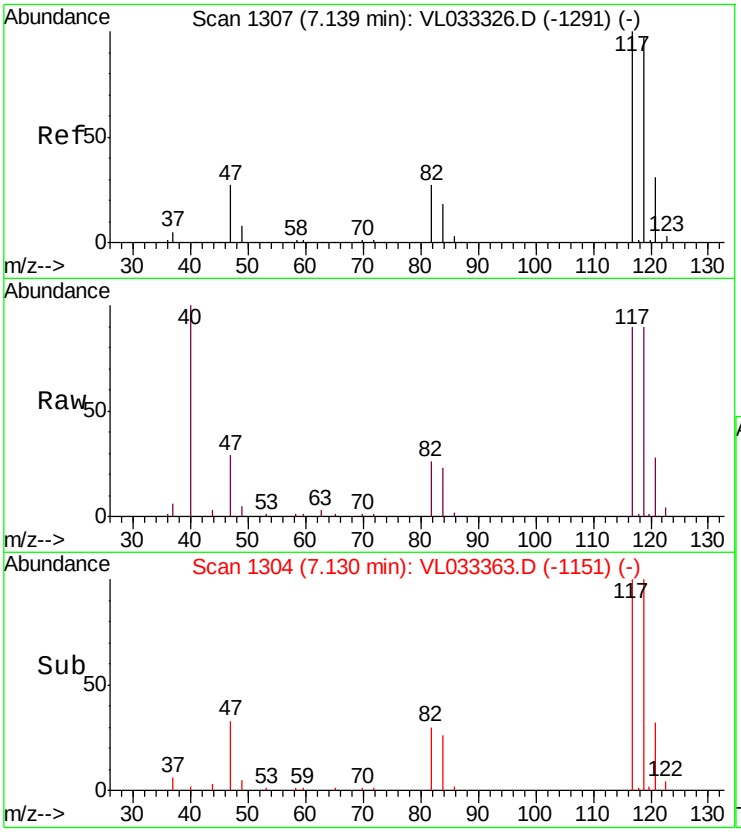


#34
2-Butanone
Concen: 0.398 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 43 Resp: 44568

Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.7	26.5



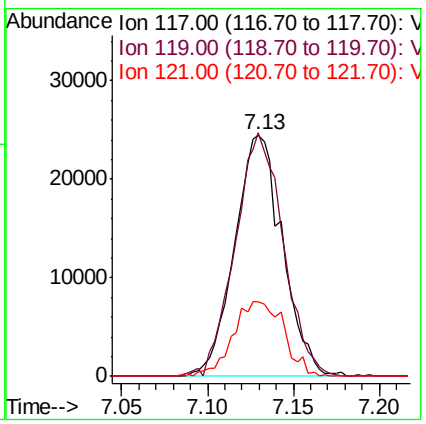


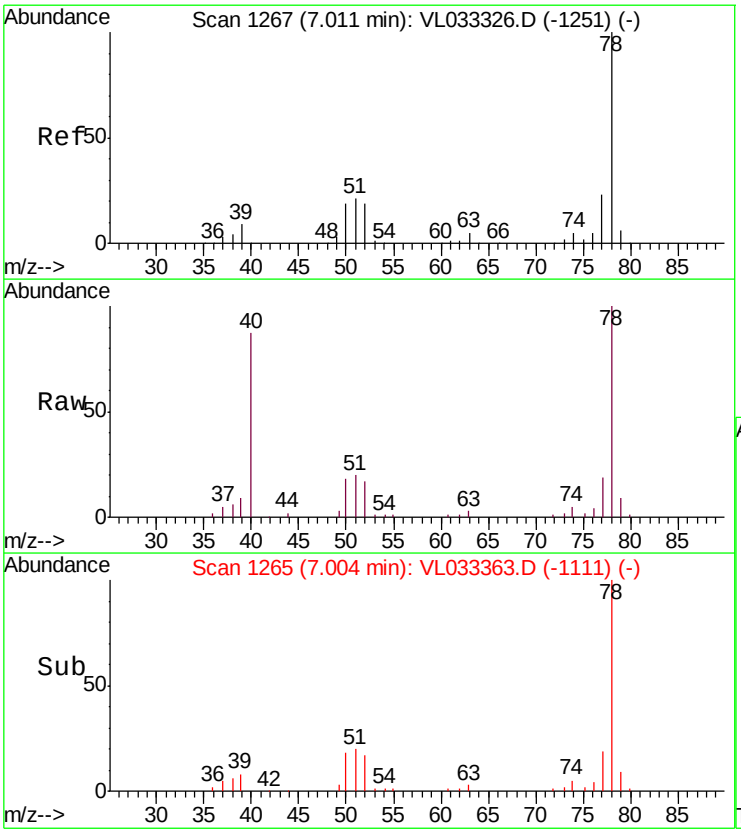
#35
Carbon Tetrachloride
Concen: 0.393 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:117 Resp: 47197

Ion	Ratio	Lower	Upper
117	100		
119	101.5	77.4	116.0
121	30.9	24.9	37.3

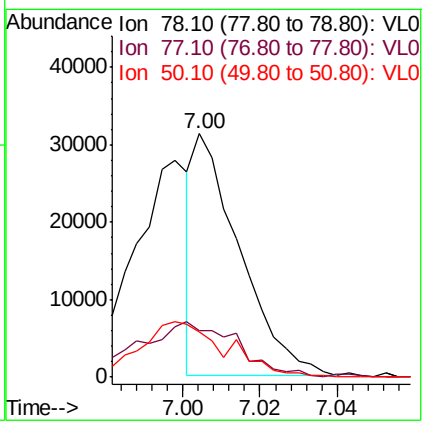


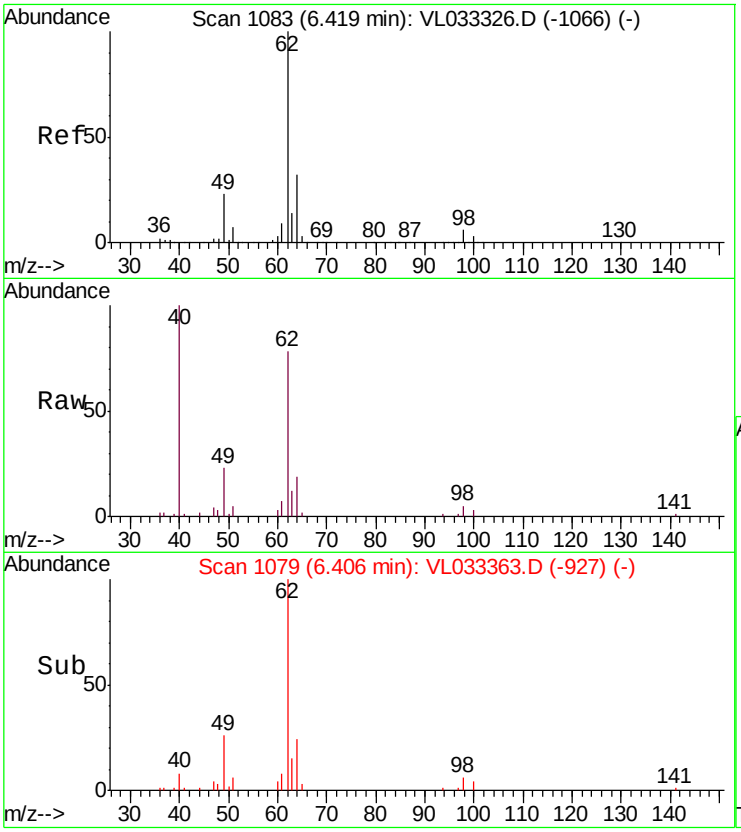


#36
Benzene
Concen: 0.167 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 78 Resp: 25472

Ion	Ratio	Lower	Upper
78	100		
77	18.2	18.1	27.1
50	17.9	15.2	22.8



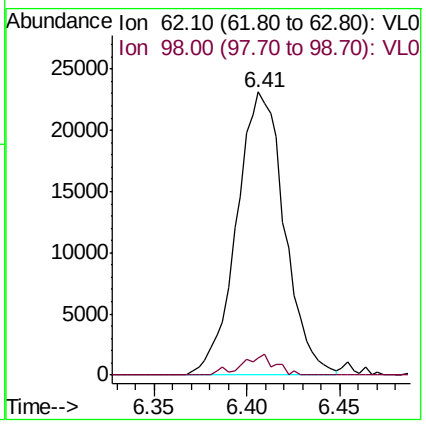


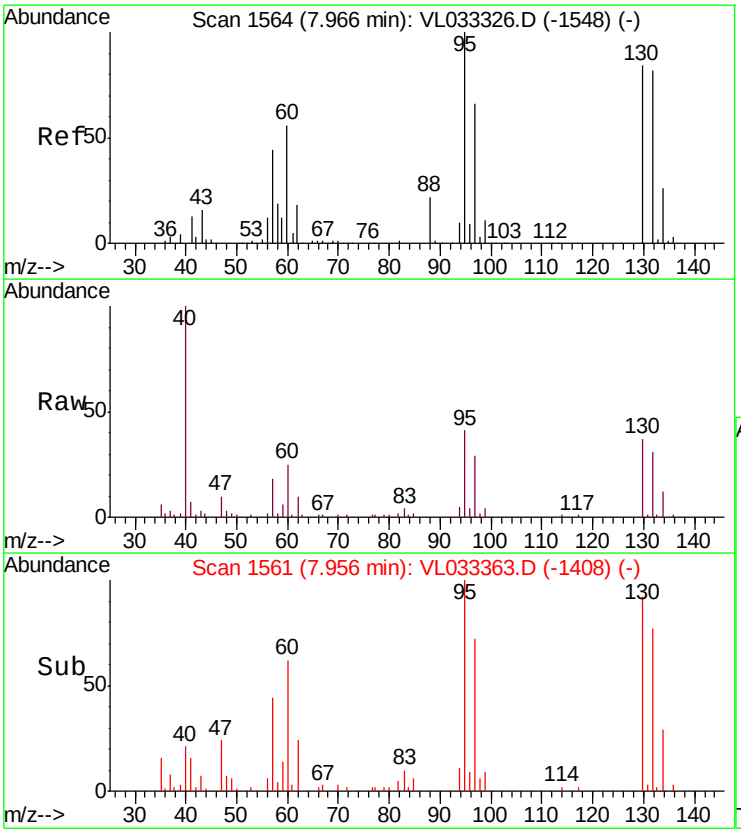
#37
1,2-Dichloroethane
Concen: 0.430 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 62 Resp: 41426

Ion	Ratio	Lower	Upper
62	100		
98	5.0	4.5	6.7

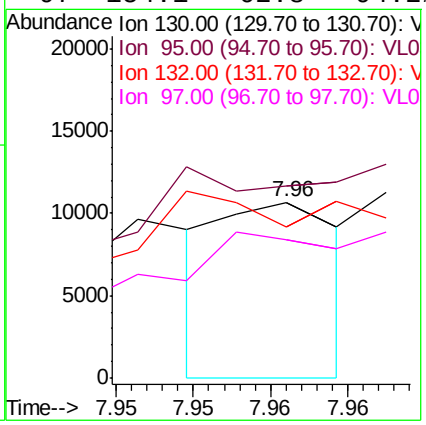


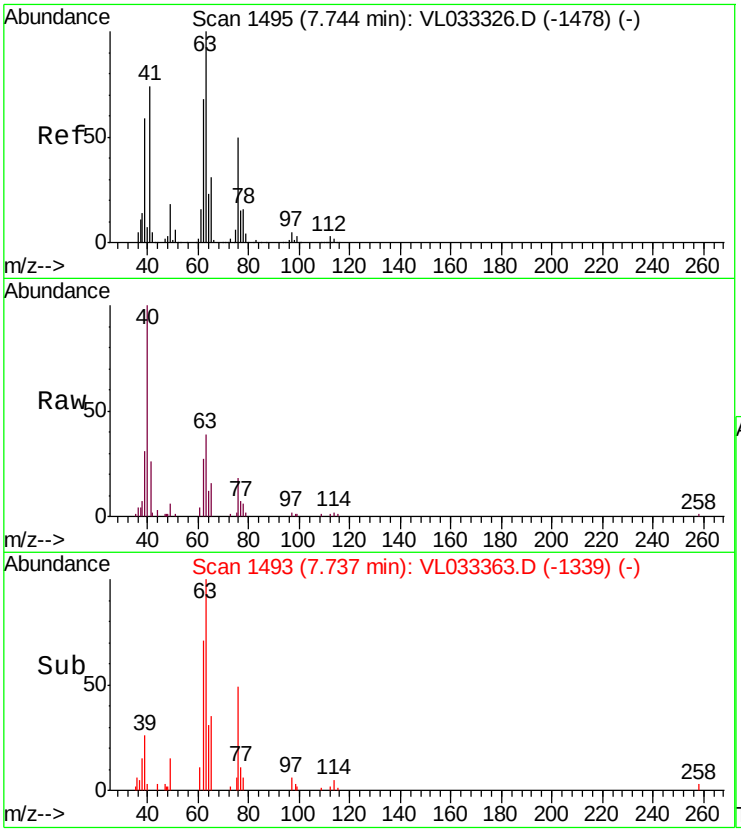


#38
Trichloroethene
Concen: 0.100 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:130 Resp: 5764

Ion	Ratio	Lower	Upper
130	100		
95	0.0	95.2	142.8#
132	0.0	77.7	116.5#
97	154.1	62.8	94.2#



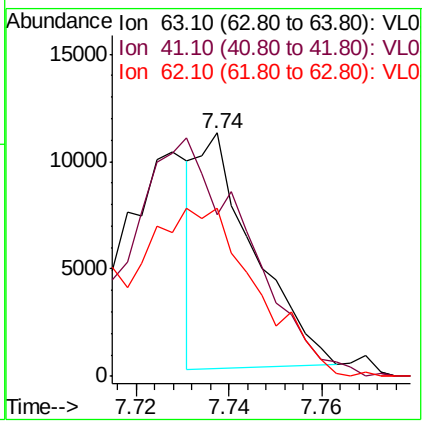


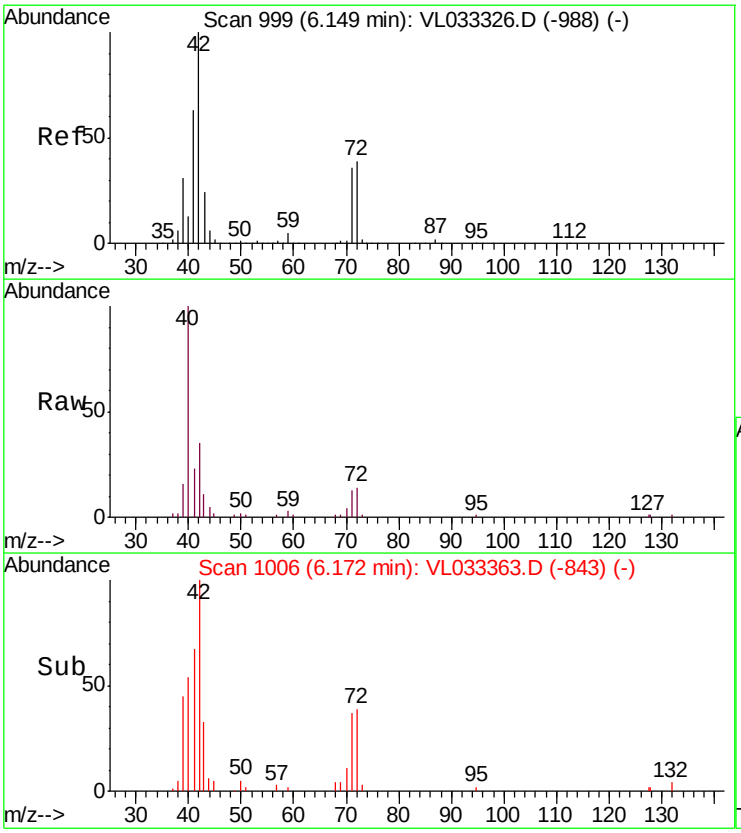
#39
1,2-Dichloropropane
Concen: 0.163 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 63 Resp: 9292

Ion	Ratio	Lower	Upper
63	100		
41	63.3	59.5	89.3
62	71.2	54.7	82.1

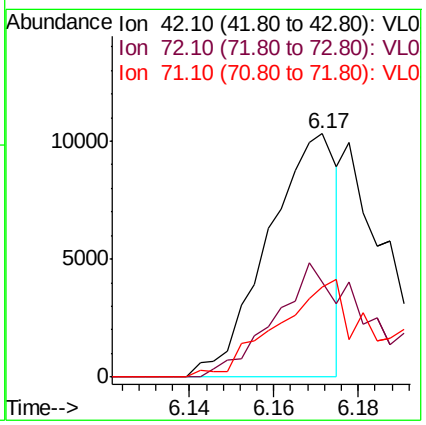


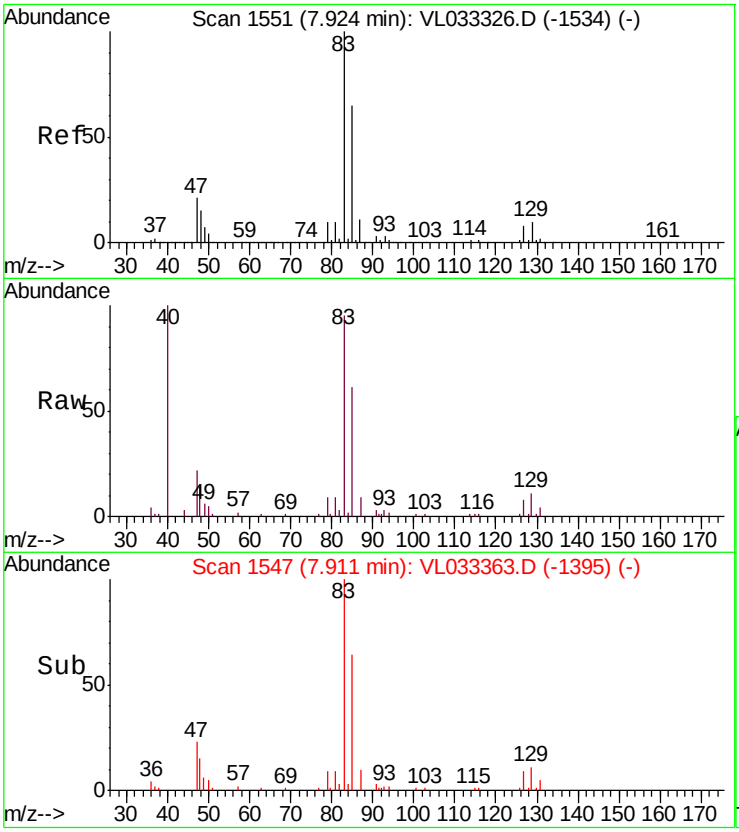


#41
Tetrahydrofuran
Concen: 0.196 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 42 Resp: 11721

Ion	Ratio	Lower	Upper
42	100		
72	66.3	31.6	47.4#
71	58.4	29.9	44.9#



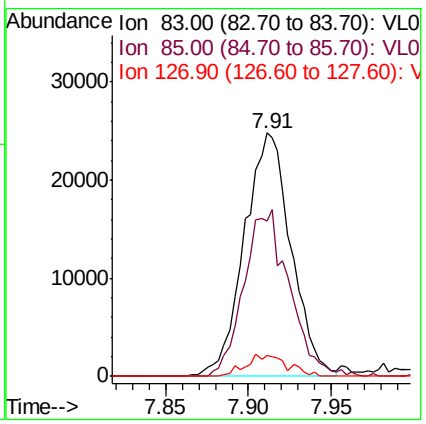


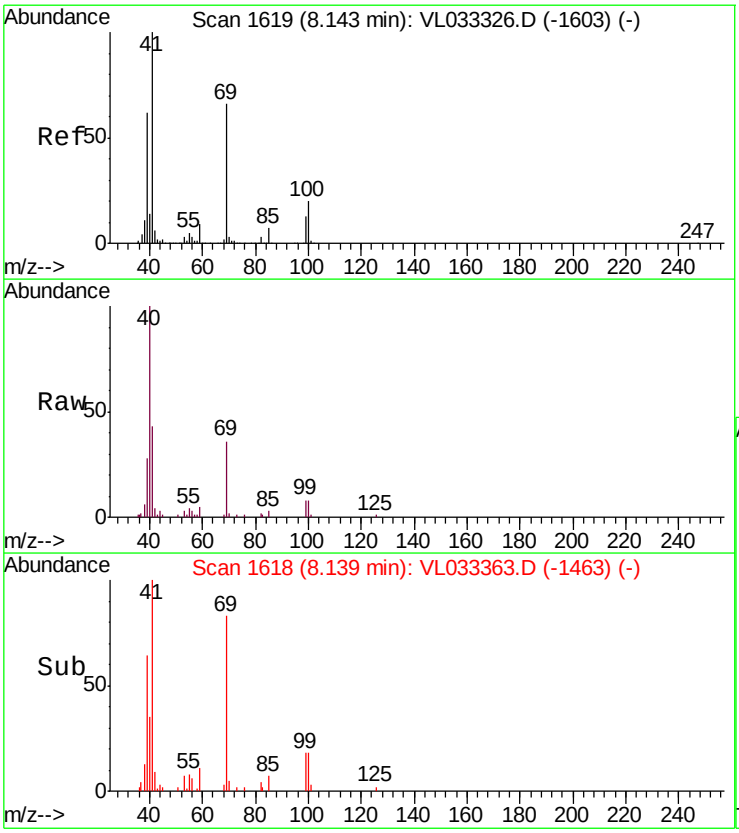
#42
Bromodichloromethane
Concen: 0.377 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 83 Resp: 48688

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	8.5	6.2	9.2

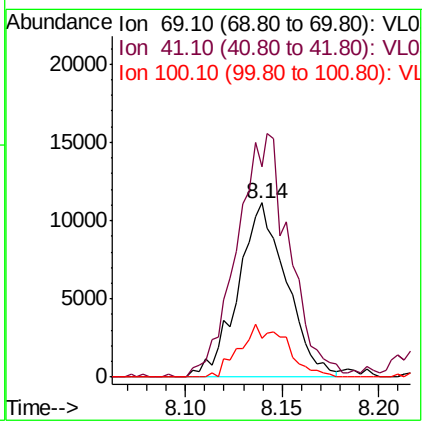


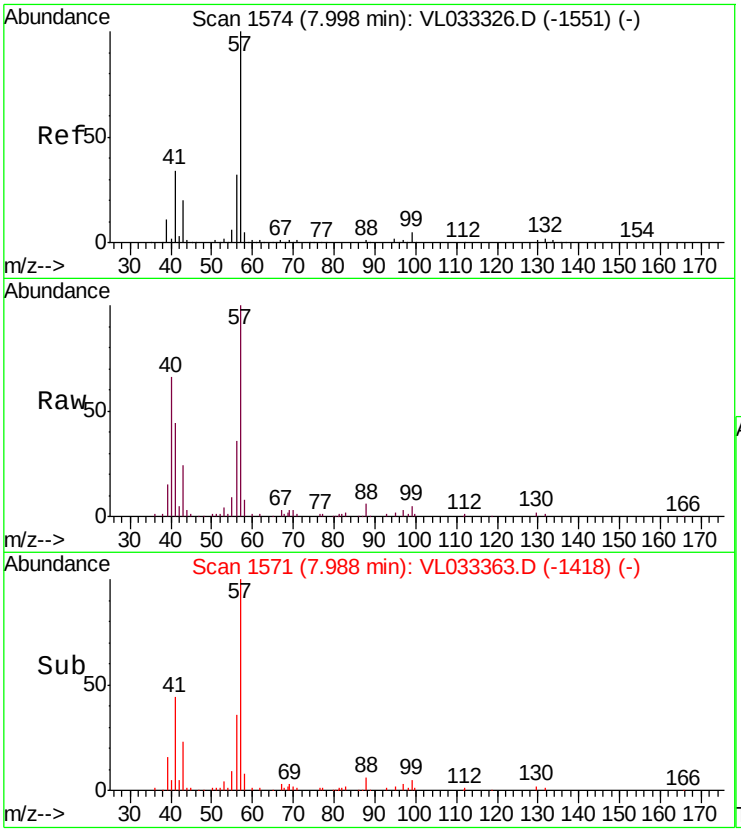


#43
Methyl Methacrylate
Concen: 0.327 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 69 Resp: 19439

Ion	Ratio	Lower	Upper
69	100		
41	151.2	119.5	179.3
100	29.2	24.4	36.6



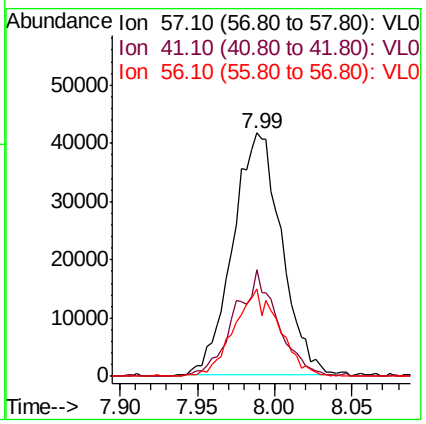


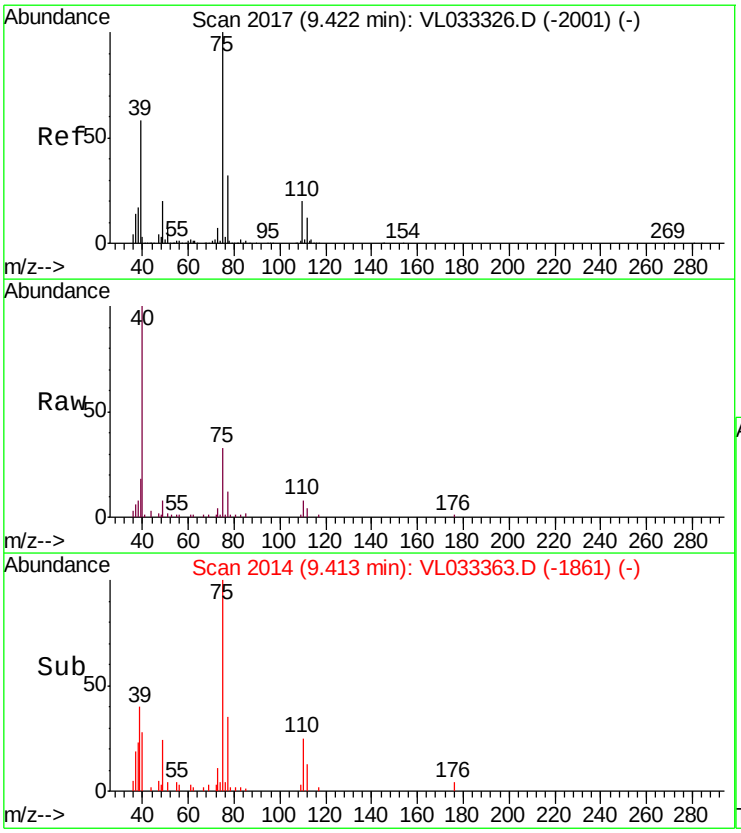
#44
2,2,4-Trimethylpentane
Concen: 0.362 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 57 Resp: 91329

Ion	Ratio	Lower	Upper
57	100		
41	39.0	26.0	39.0#
56	33.4	24.6	36.8

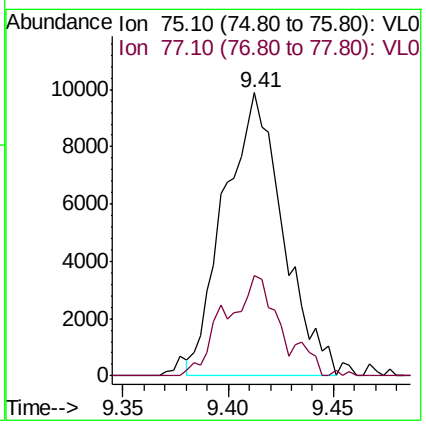


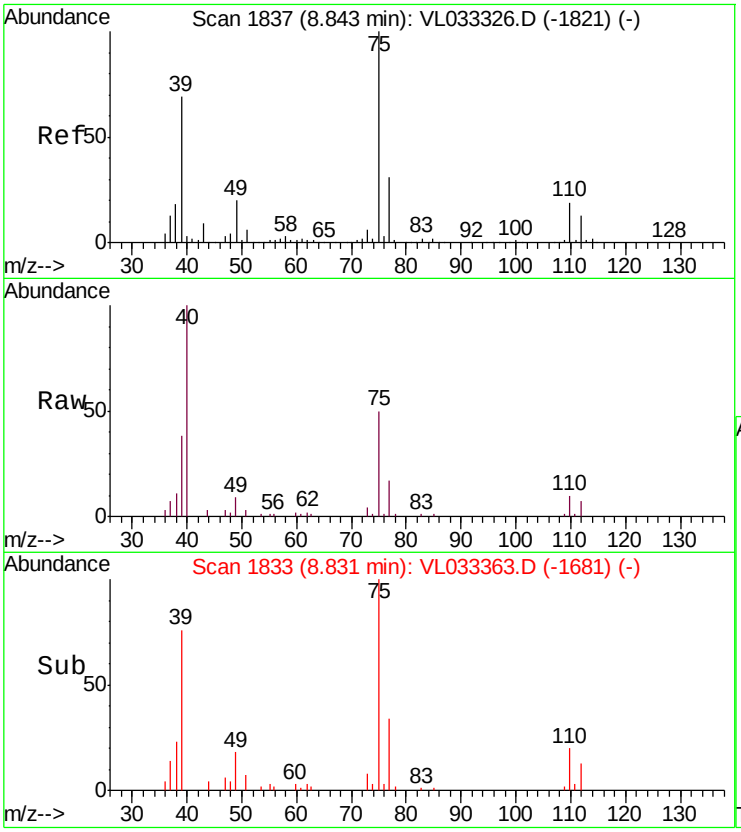


#45
t-1,3-Dichloropropene
Concen: 0.262 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 75 Resp: 19199

Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.5	38.3



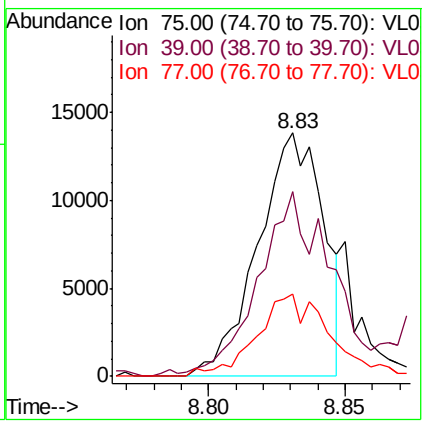


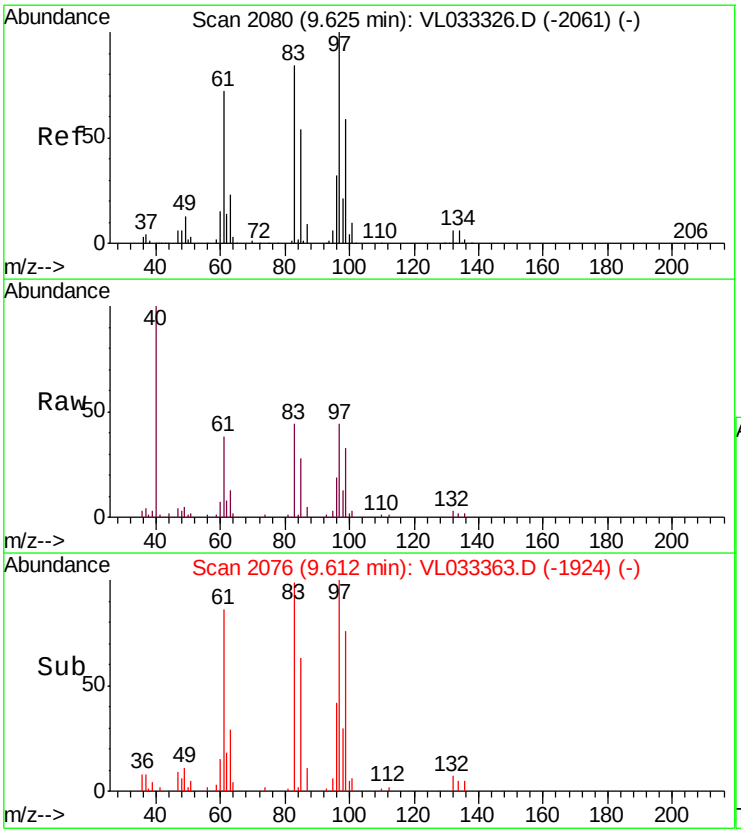
#46
cis-1,3-Dichloropropene
Concen: 0.268 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 75 Resp: 23116

Ion	Ratio	Lower	Upper
75	100		
39	73.9	55.0	82.6
77	33.6	24.5	36.7

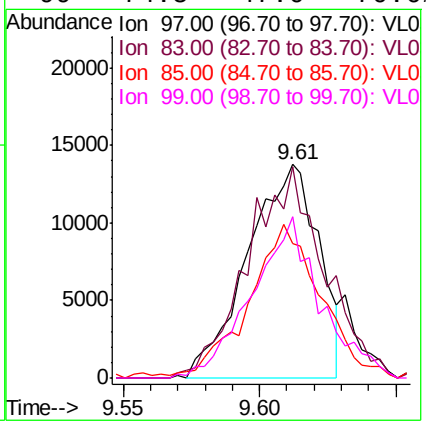


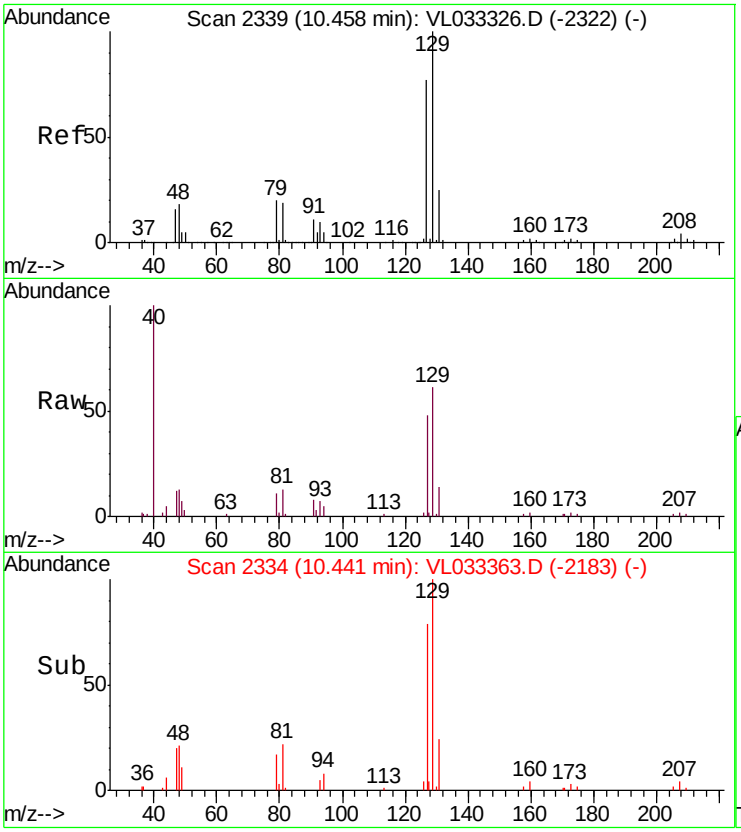


#47
1,1,2-Trichloroethane
Concen: 0.396 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 97 Resp: 25000

Ion	Ratio	Lower	Upper
97	100		
83	94.7	67.4	101.0
85	60.1	43.0	64.4
99	74.5	47.0	70.6#



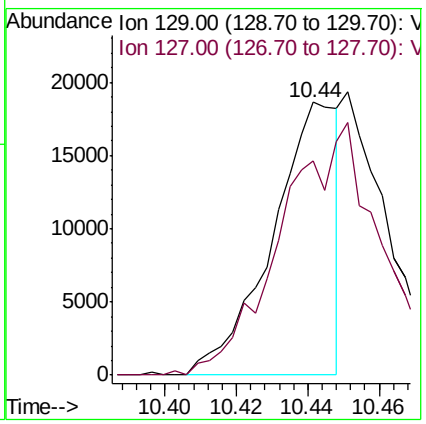


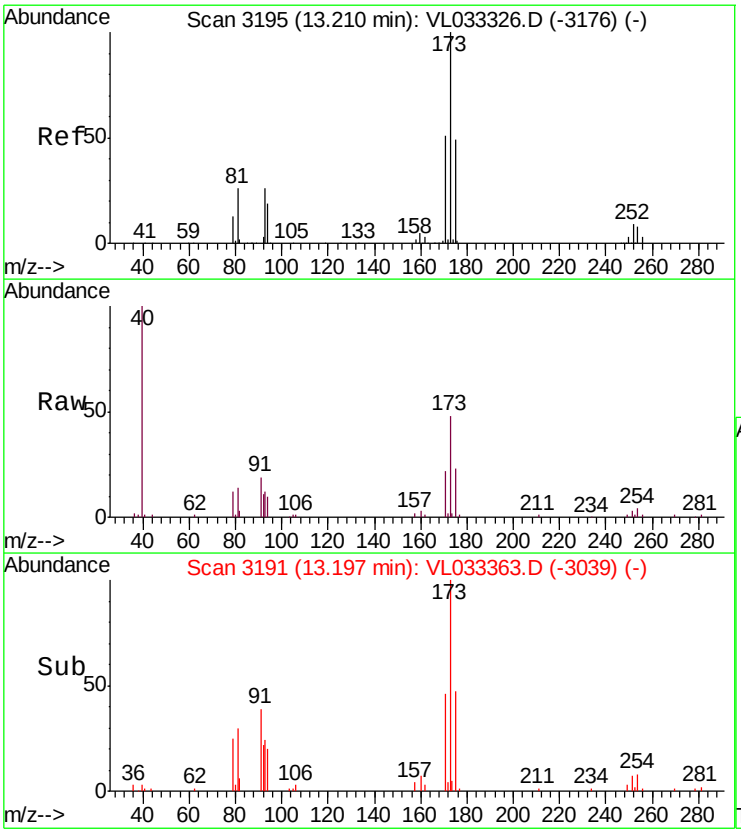
#48
Dibromochloromethane
Concen: 0.224 ppbv
RT: 10.44 min Scan# 2334
Delta R.T. -0.02 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:129 Resp: 23657

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.9	116.6#

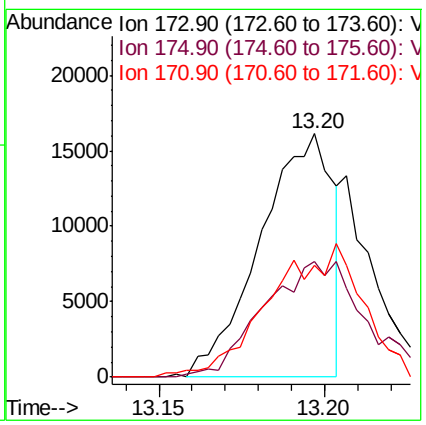


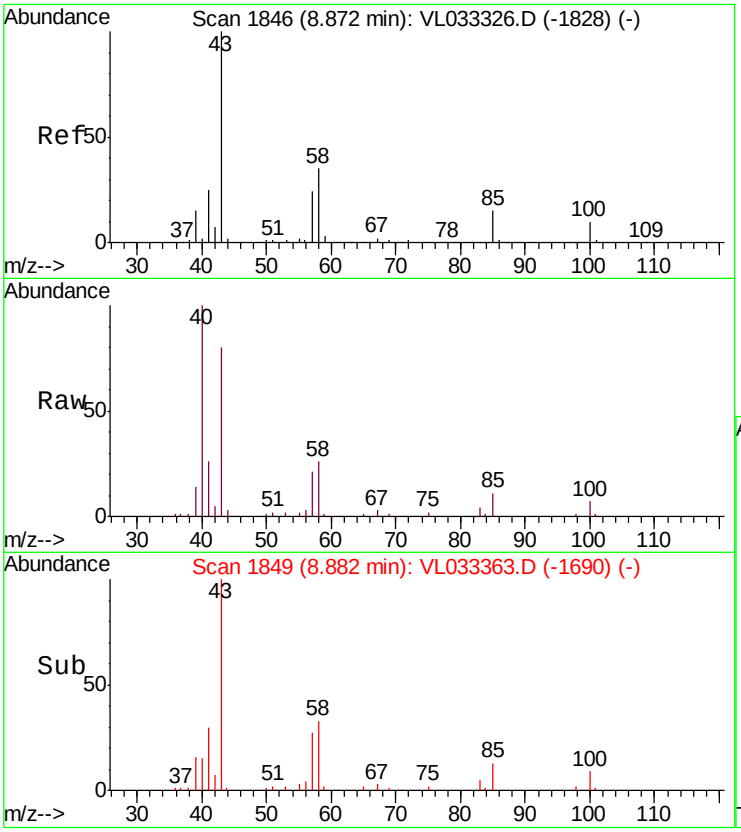


#49
Bromoform
Concen: 0.246 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:173 Resp: 24662

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.6#
171	0.0	41.7	62.5#



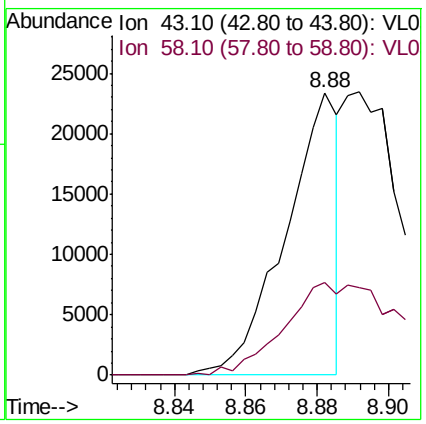


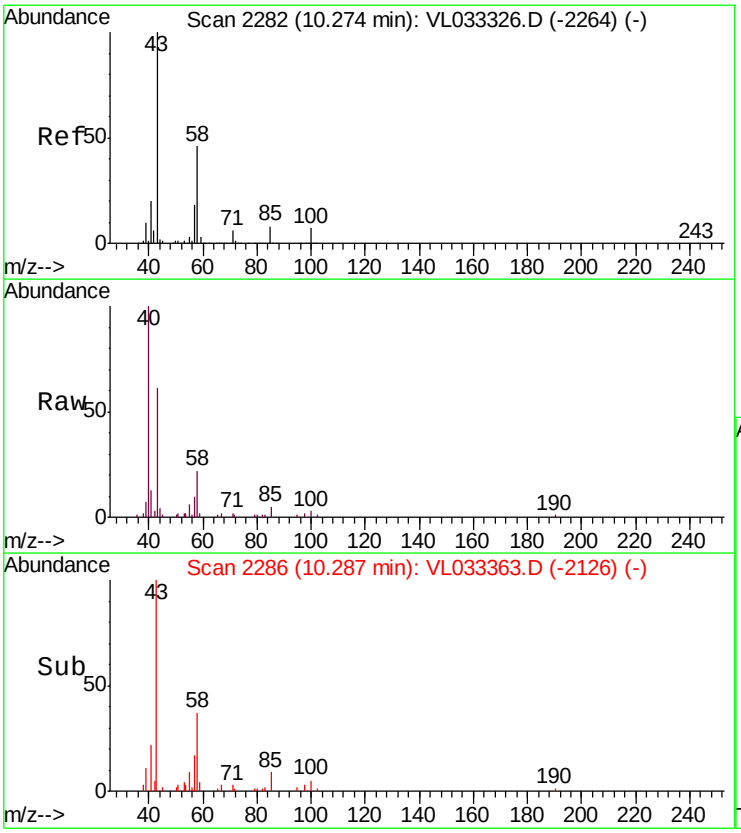
#50
4-Methyl-2-Pentanone
Concen: 0.151 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 43 Resp: 23910

Ion	Ratio	Lower	Upper
43	100		
58	73.4	28.4	42.6#

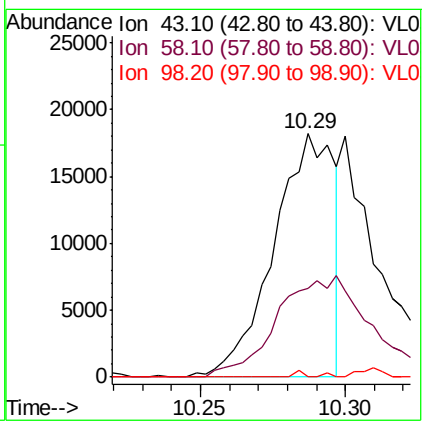


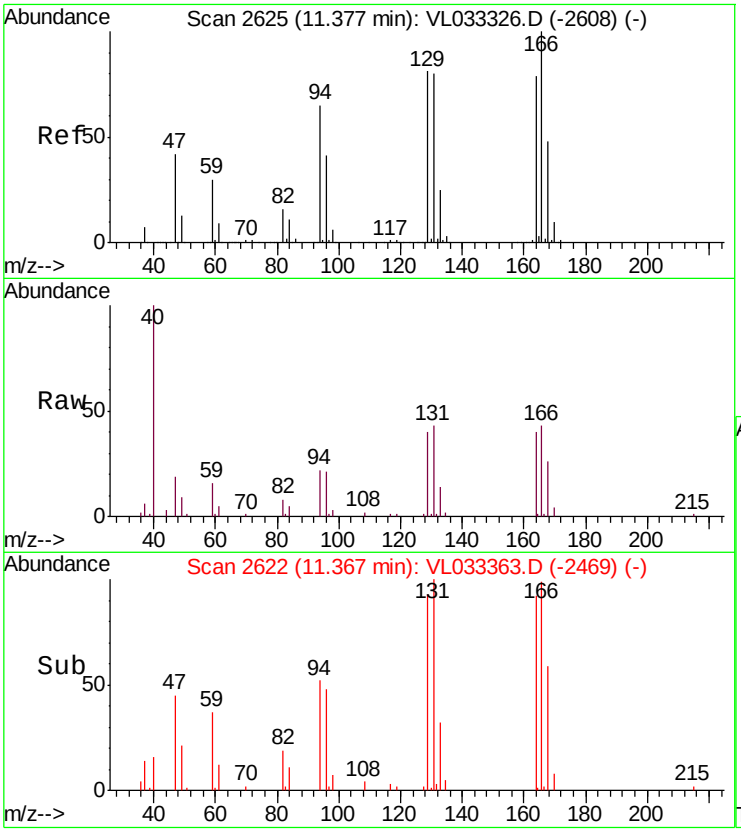


#51
2-Hexanone
Concen: 0.217 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 43 Resp: 26412

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.0	57.0#
98	0.0	0.1	0.1#



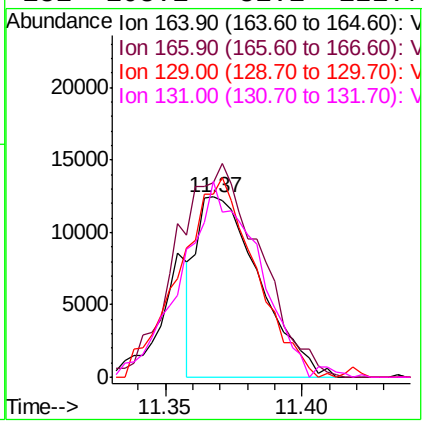


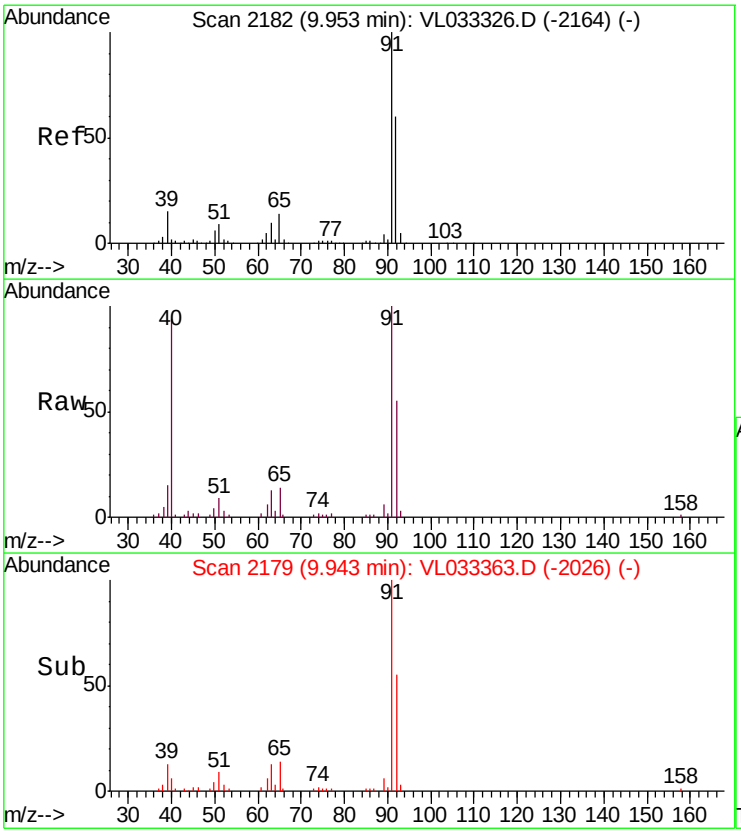
#52
Tetrachloroethene
Concen: 0.313 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:164 Resp: 19909

Ion	Ratio	Lower	Upper
164	100		
166	106.9	101.5	152.3
129	100.4	82.2	123.2
131	108.1	81.1	121.7

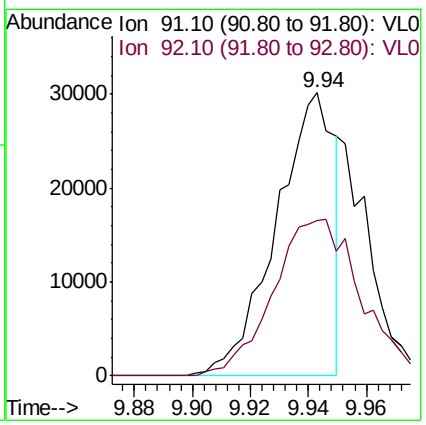


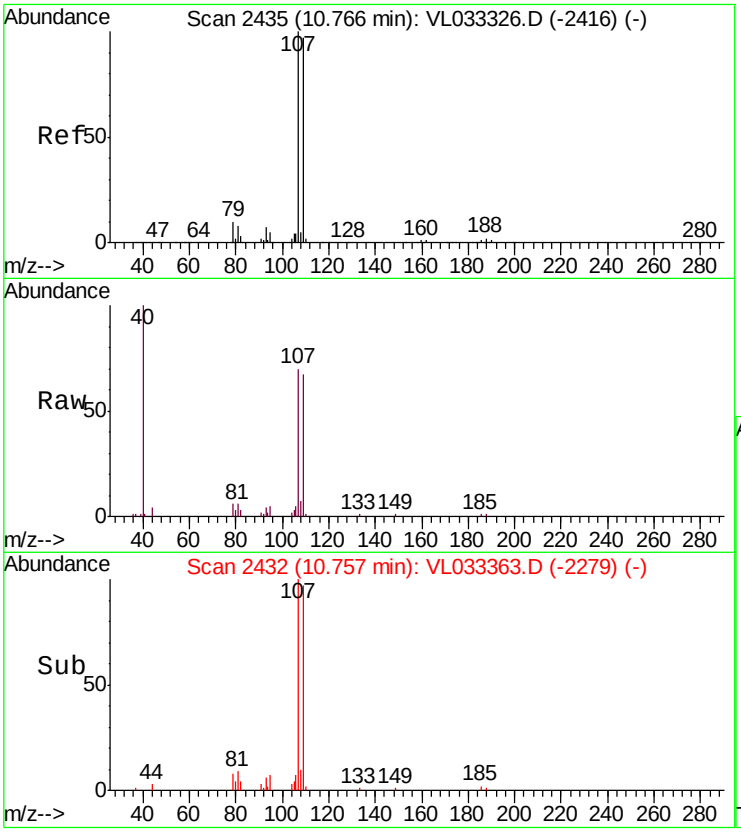


#53
Toluene
Concen: 0.243 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 91 Resp: 42077

Ion	Ratio	Lower	Upper
91	100		
92	83.1	47.4	71.0#



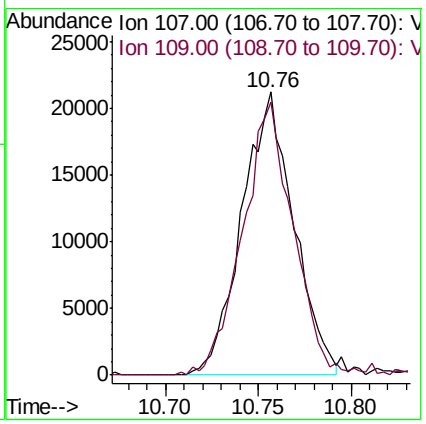


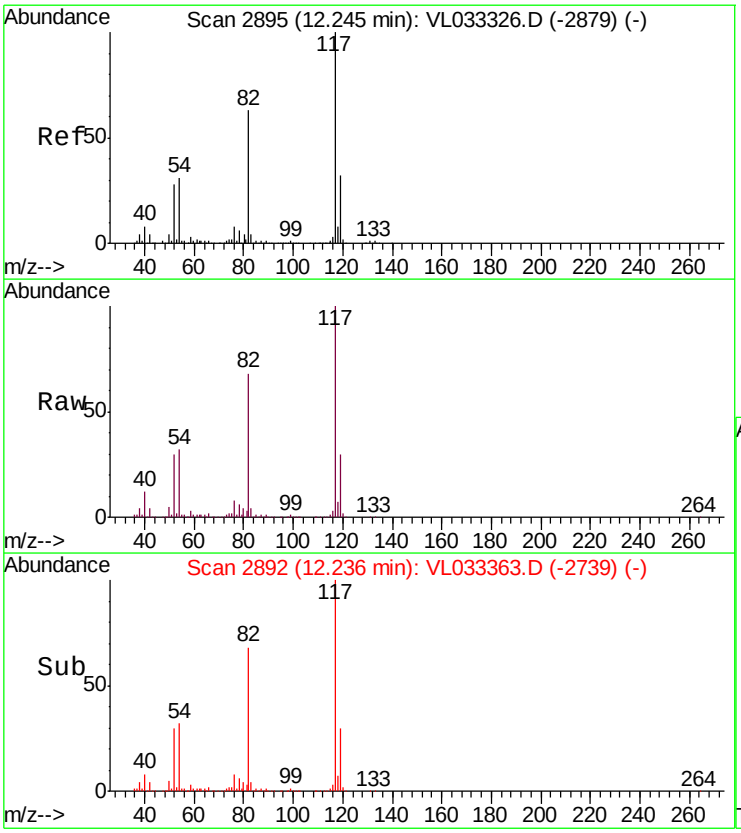
#54
1,2-Dibromoethane
Concen: 0.388 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:107 Resp: 41420

Ion	Ratio	Lower	Upper
107	100		
109	96.5	77.2	115.8

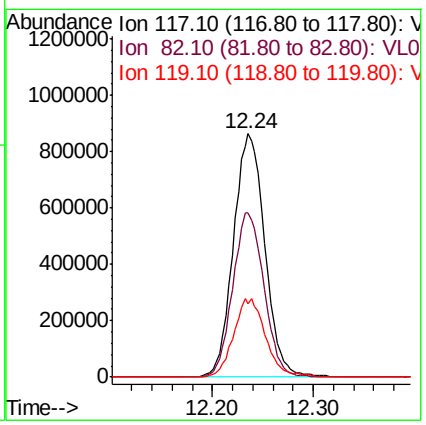


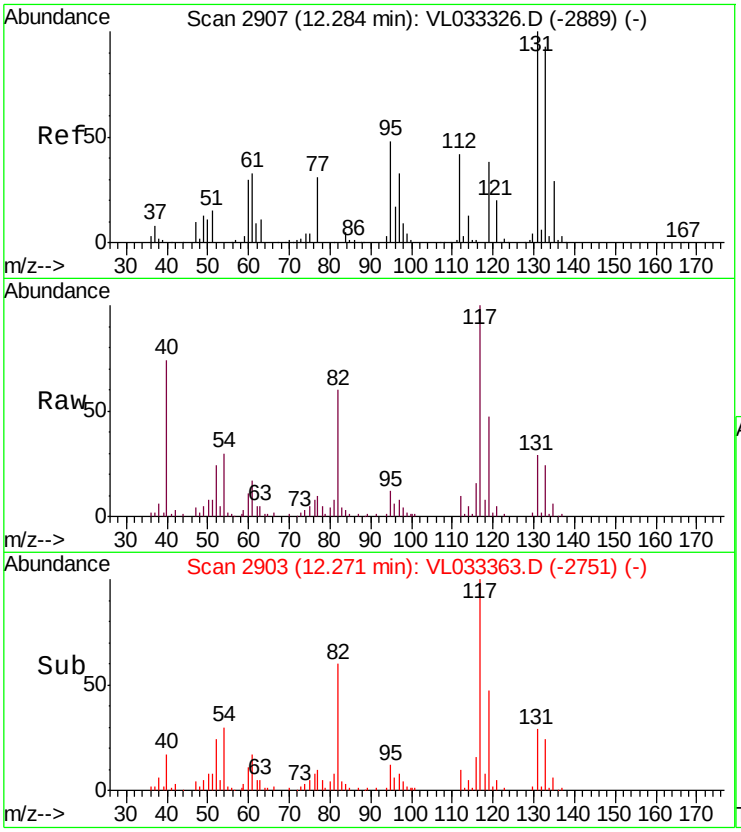


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:117 Resp: 1859576

Ion	Ratio	Lower	Upper
117	100		
82	67.4	53.4	80.2
119	33.0	27.3	40.9



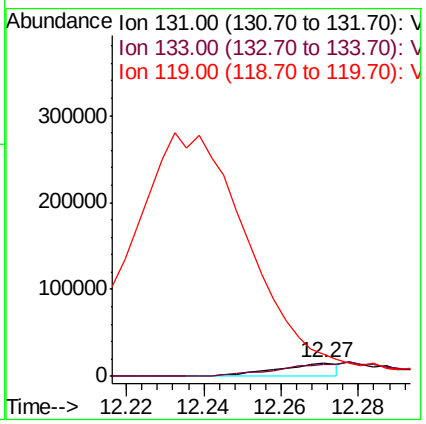


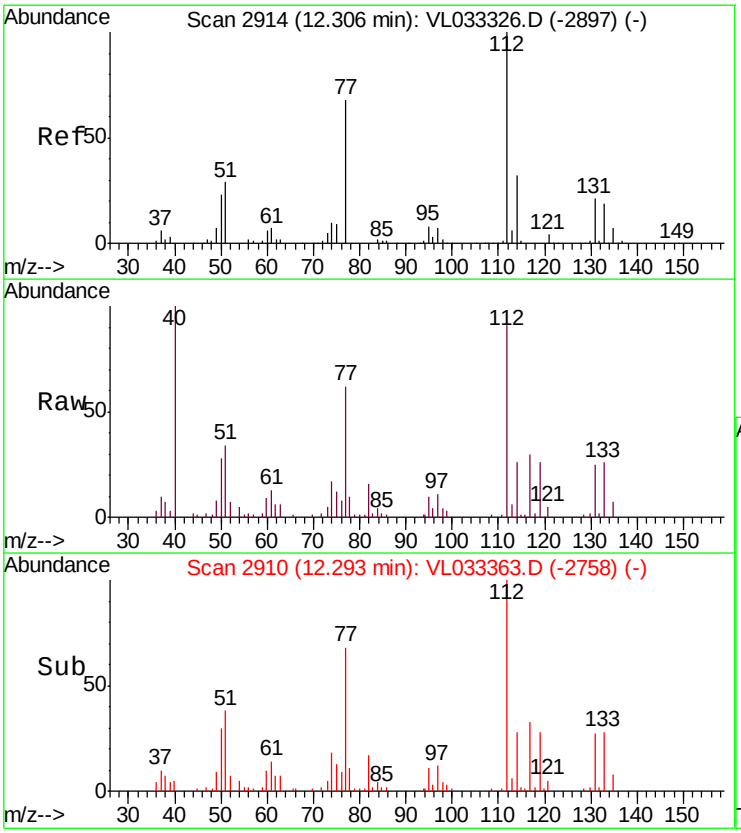
#56
1,1,1,2-Tetrachloroethane
Concen: 0.203 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:131 Resp: 16906

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.7	115.1#
119	0.0	40.3	60.5#

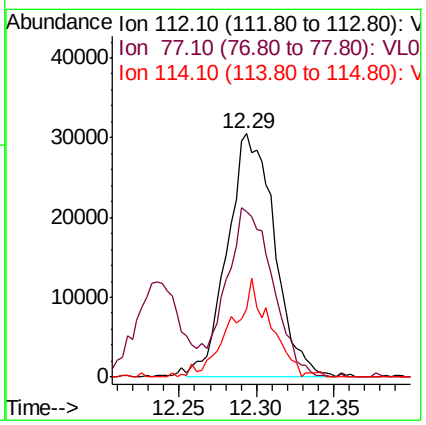


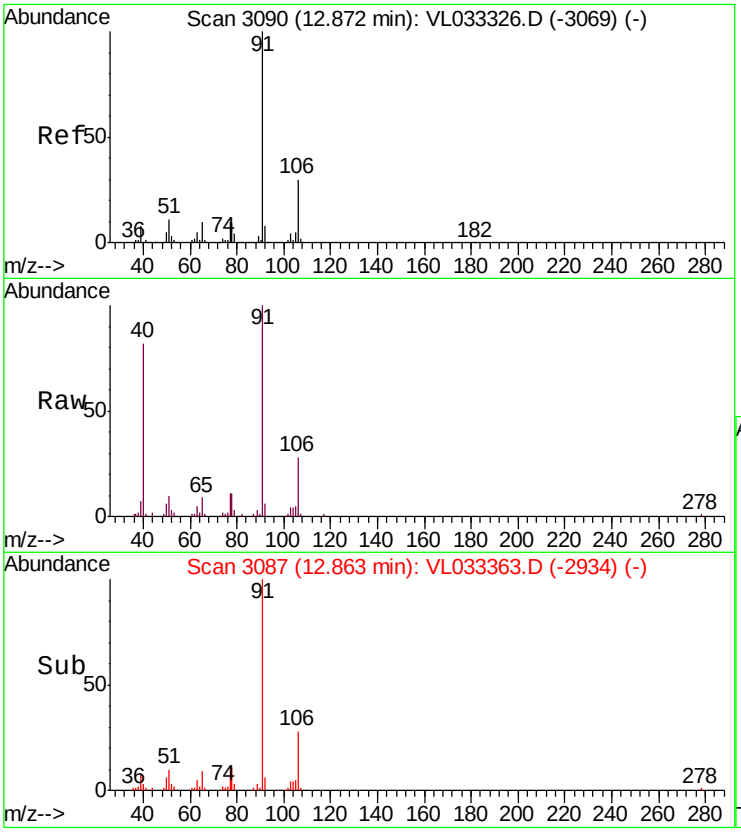


#57
Chlorobenzene
Concen: 0.439 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:112 Resp: 64610

Ion	Ratio	Lower	Upper
112	100		
77	68.1	55.8	83.6
114	29.8	28.6	35.0



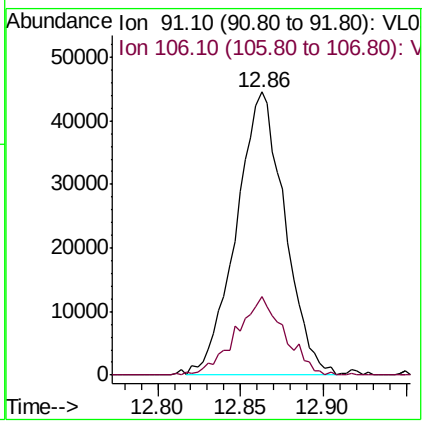


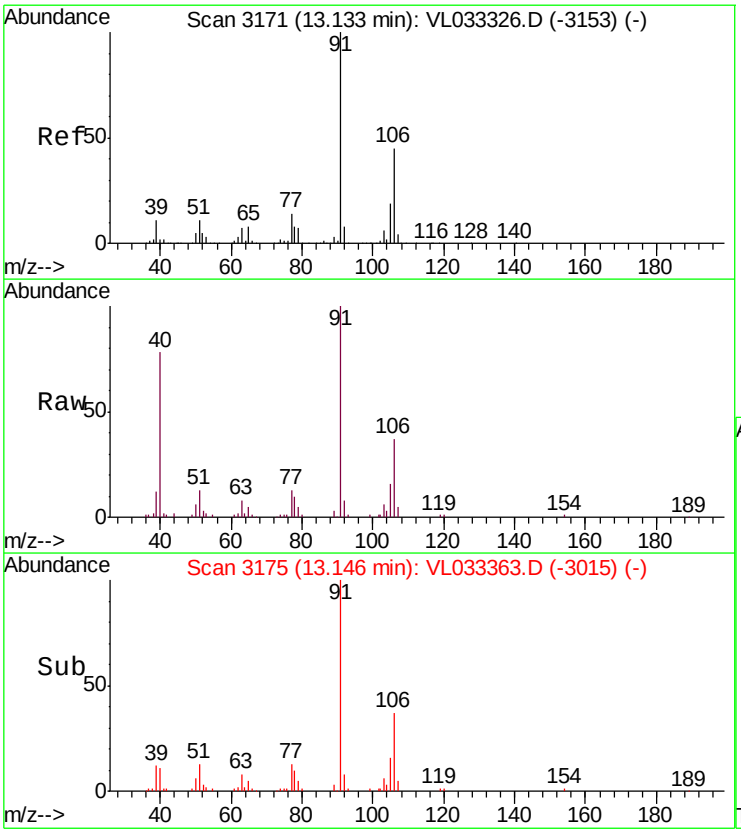
#58
Ethyl Benzene
Concen: 0.344 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 91 Resp: 90588

Ion	Ratio	Lower	Upper
91	100		
106	27.8	24.2	36.2

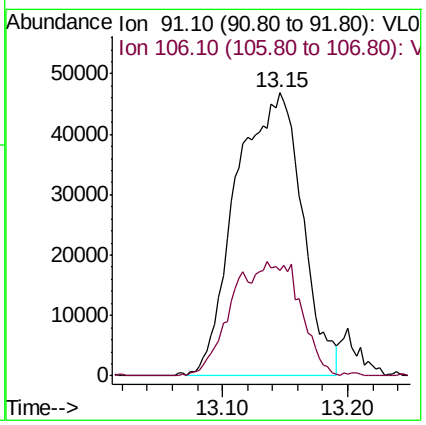


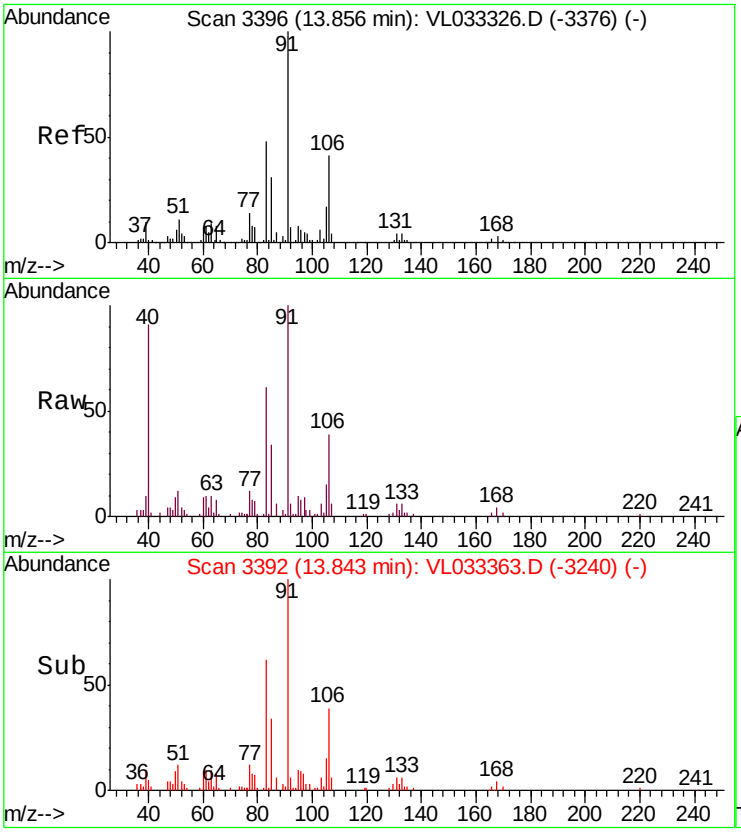


#59
m/p-Xylene
Concen: 0.756 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 91 Resp: 171023

Ion	Ratio	Lower	Upper
91	100		
106	42.0	0.0	0.0#



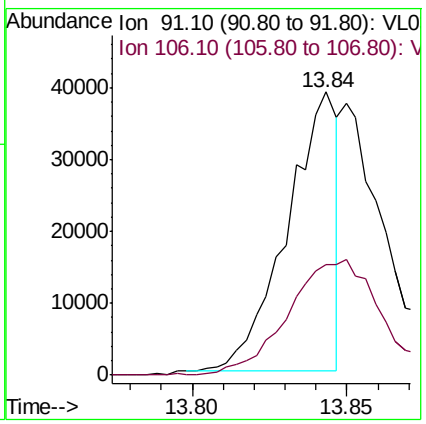


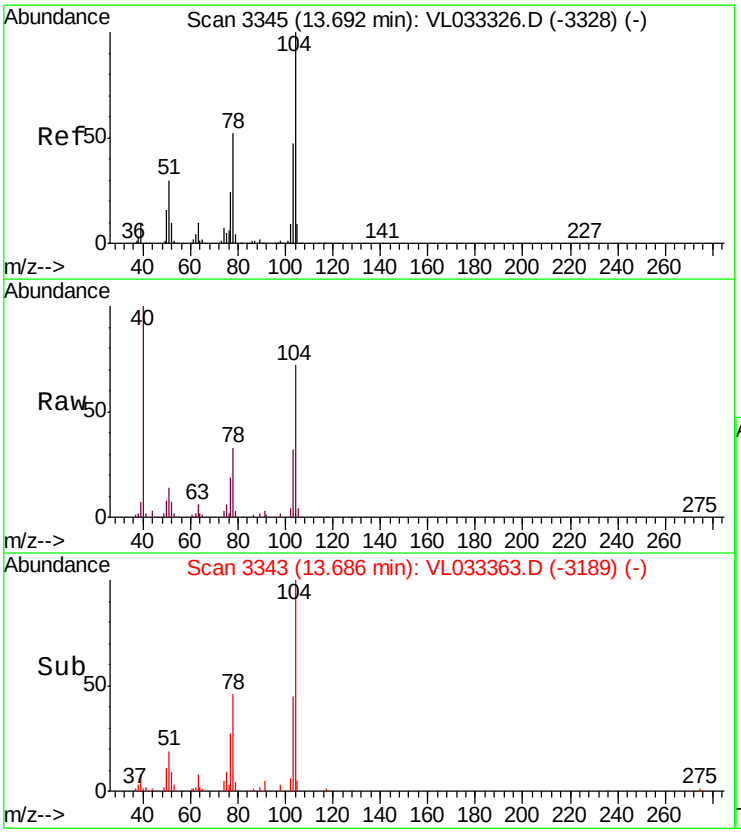
#60
o-Xylene
Concen: 0.198 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 91 Resp: 43757

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.3	63.9#

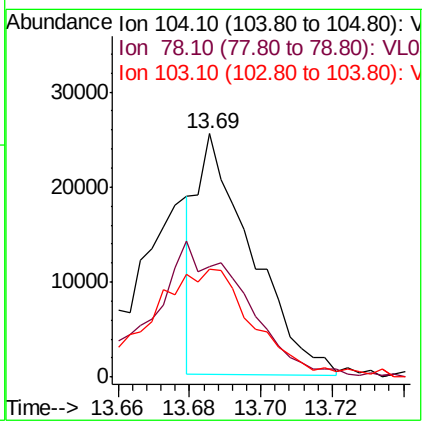


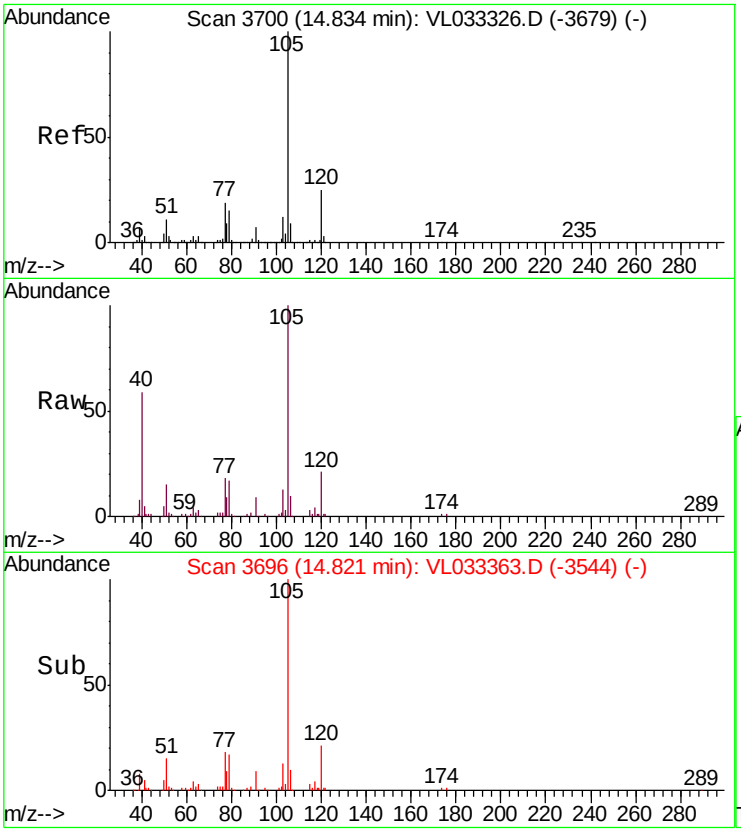


#61
Styrene
Concen: 0.174 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:104 Resp: 26814

Ion	Ratio	Lower	Upper
104	100		
78	98.5	42.7	64.1#
103	88.0	38.0	57.0#



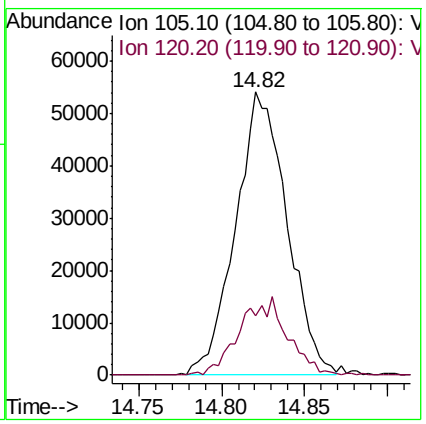


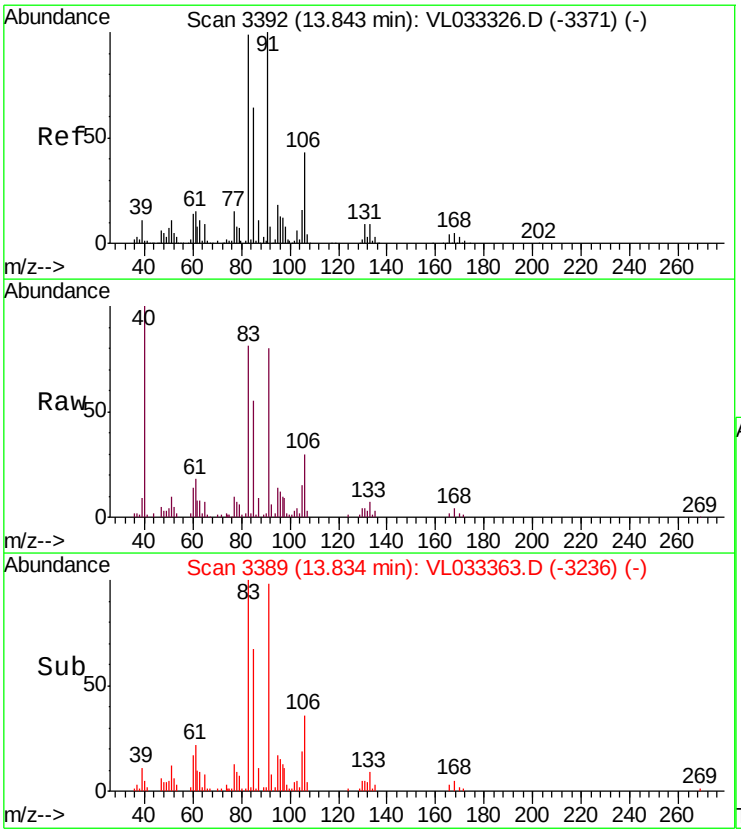
#62
Isopropylbenzene
Concen: 0.380 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 116429

Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.9	29.9

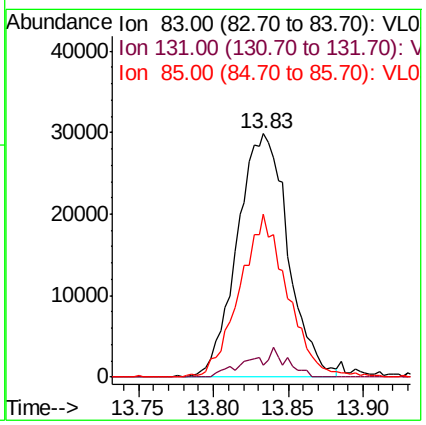


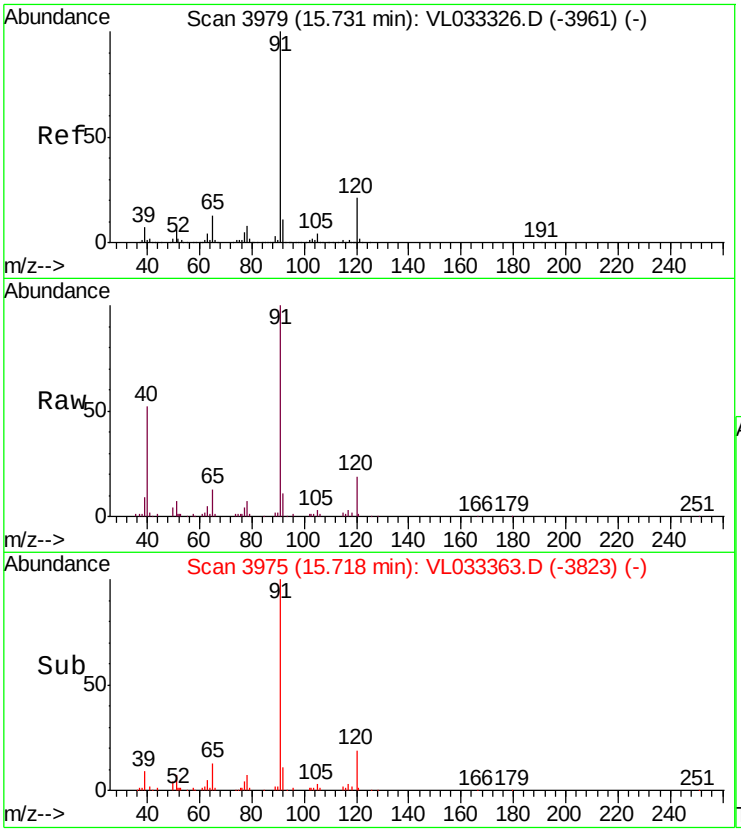


#63
1,1,2,2-Tetrachloroethane
Concen: 0.443 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 83 Resp: 70551

Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.7	14.0
85	63.1	32.5	97.4



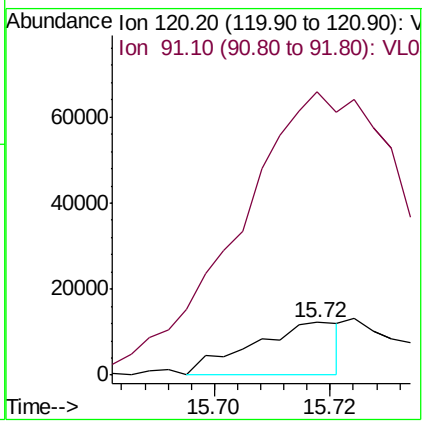


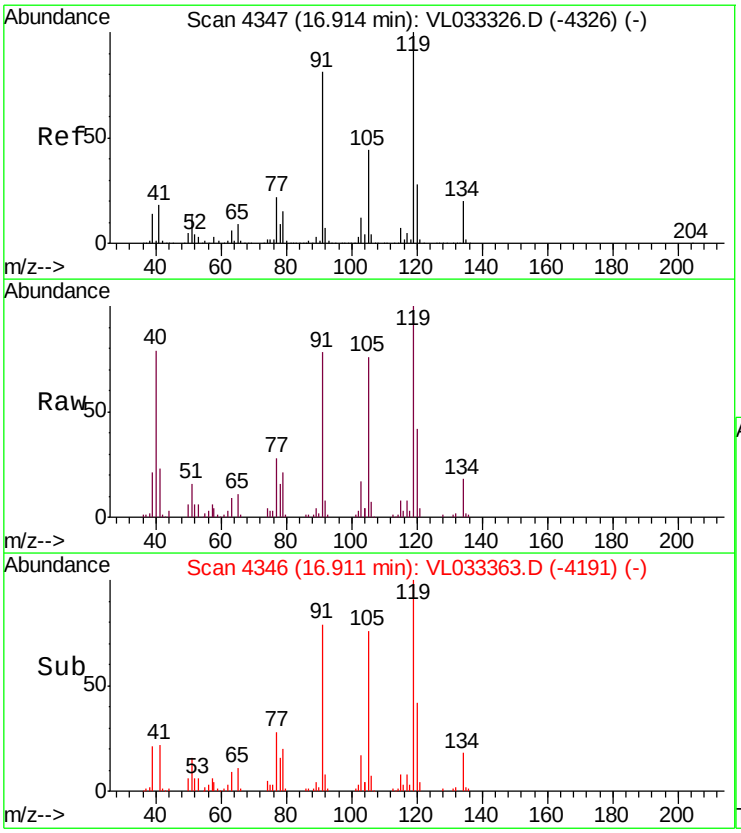
#64
n-propylbenzene
Concen: 0.168 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:120 Resp: 13027

Ion	Ratio	Lower	Upper
120	100		
91	1098.5	389.8	584.6#

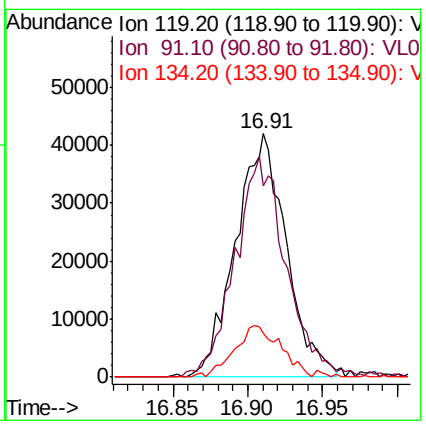


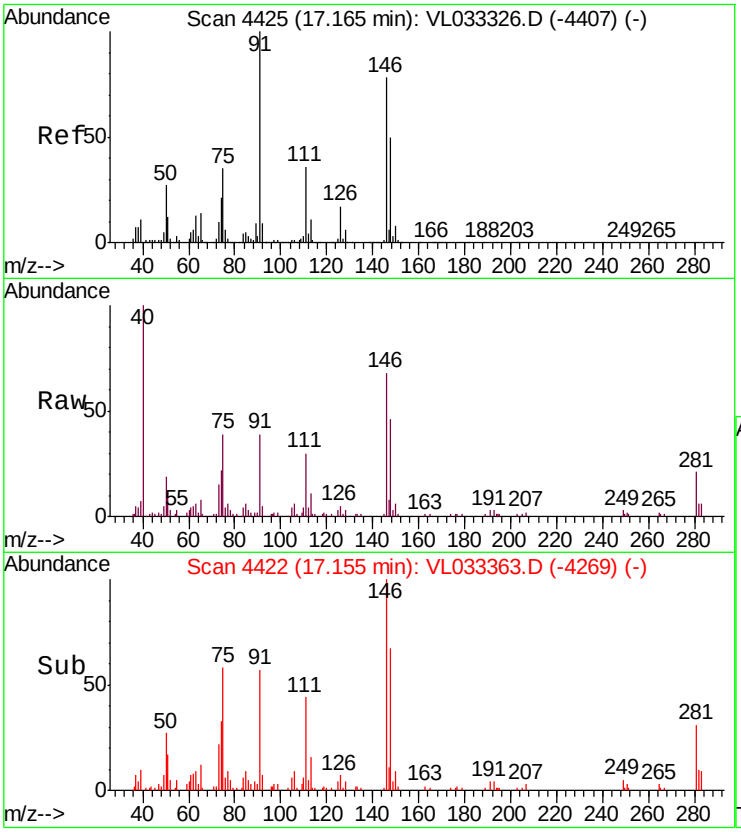


#65
tert-Butylbenzene
Concen: 0.358 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:119 Resp: 98753

Ion	Ratio	Lower	Upper
119	100		
91	92.2	67.2	100.8
134	20.1	15.4	23.2



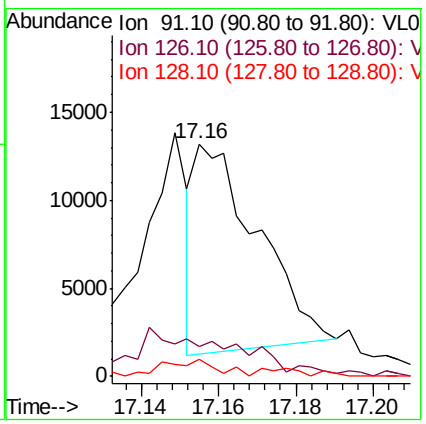


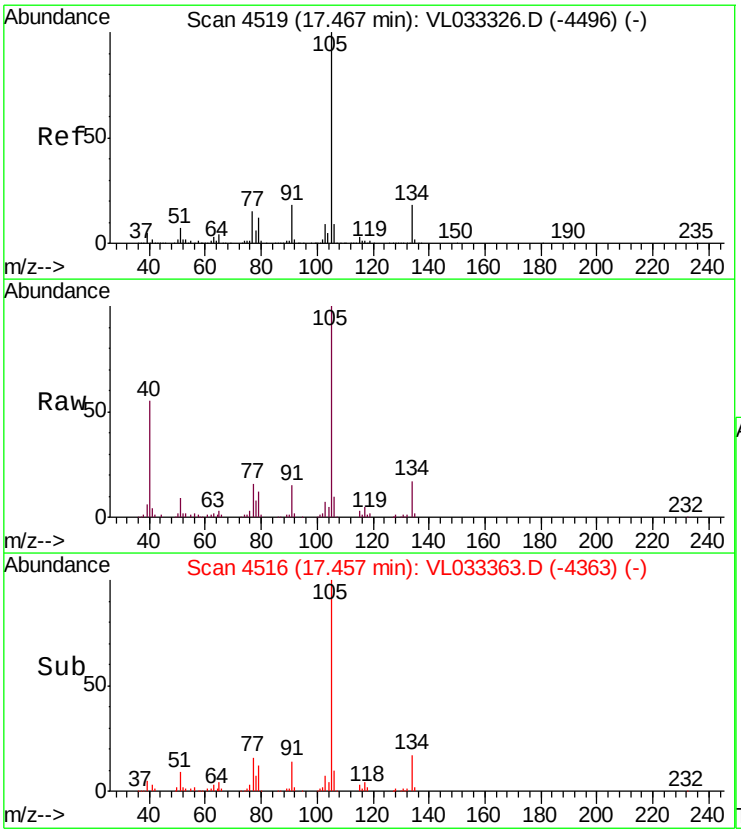
#66
Benzyl Chloride
Concen: 0.116 ppbv
RT: 17.16 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion: 91 Resp: 13243

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.2	19.8#
128	7.0	4.2	6.4#

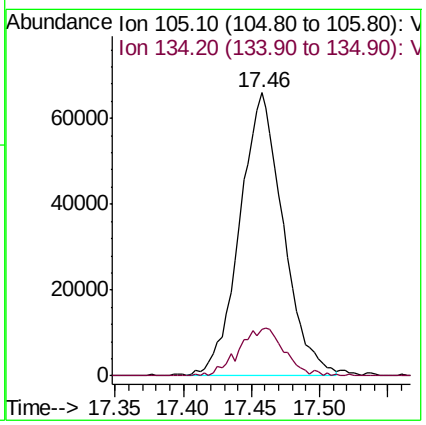


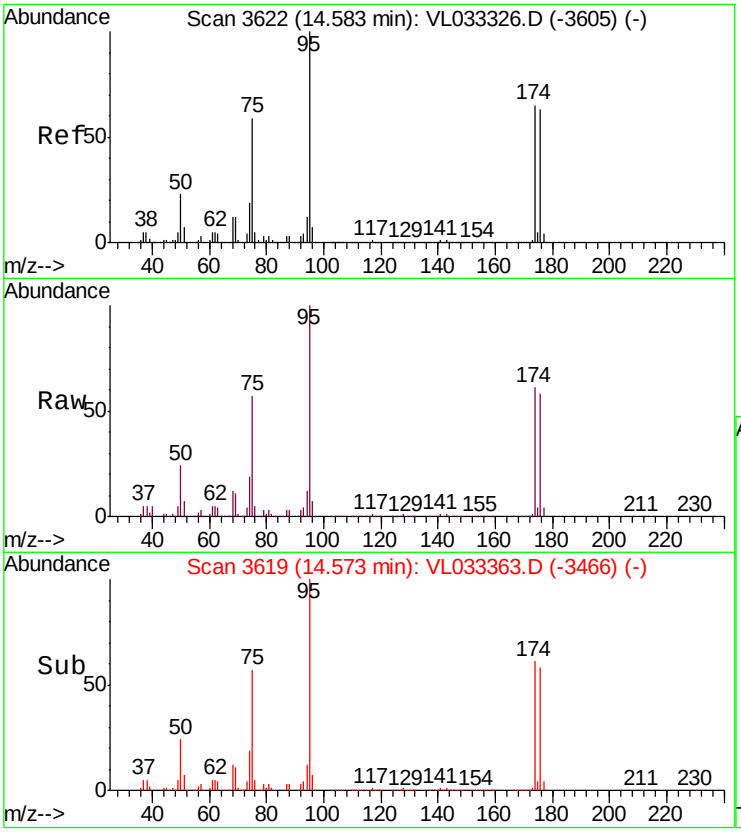


#67
sec-Butylbenzene
Concen: 0.370 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:105 Resp: 144846

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.4



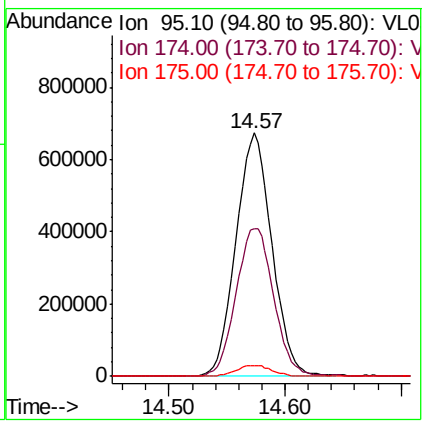


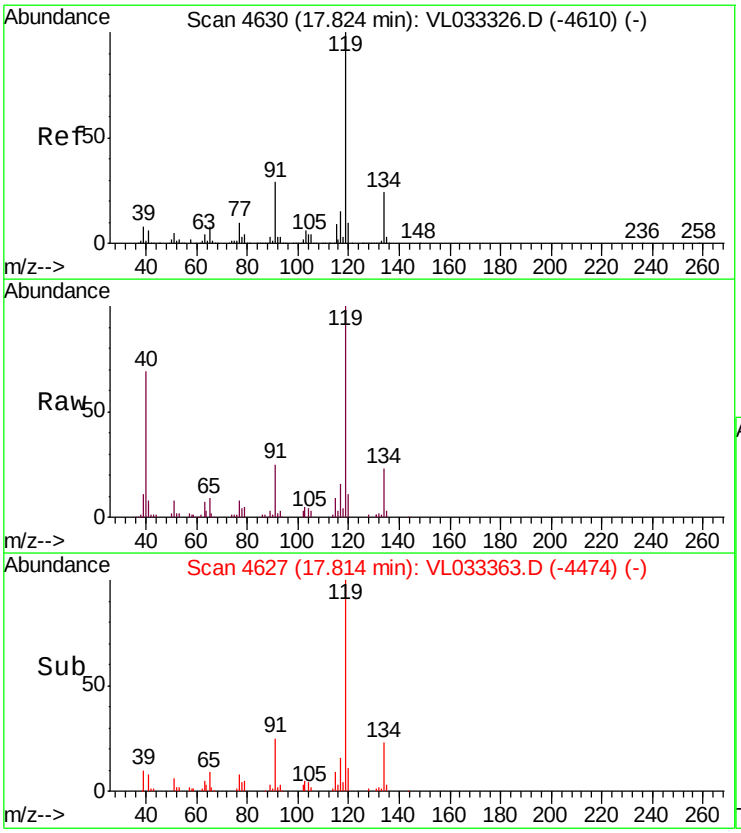
#68
1-Bromo-4-Fluorobenzene
Concen: 10.531 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 95 Resp: 1451060

Ion	Ratio	Lower	Upper
95	100		
174	63.7	51.5	77.3
175	4.6	3.8	5.6

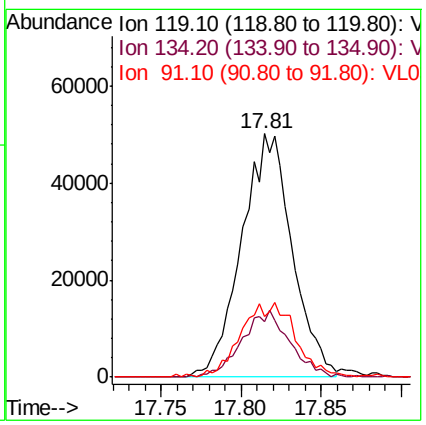


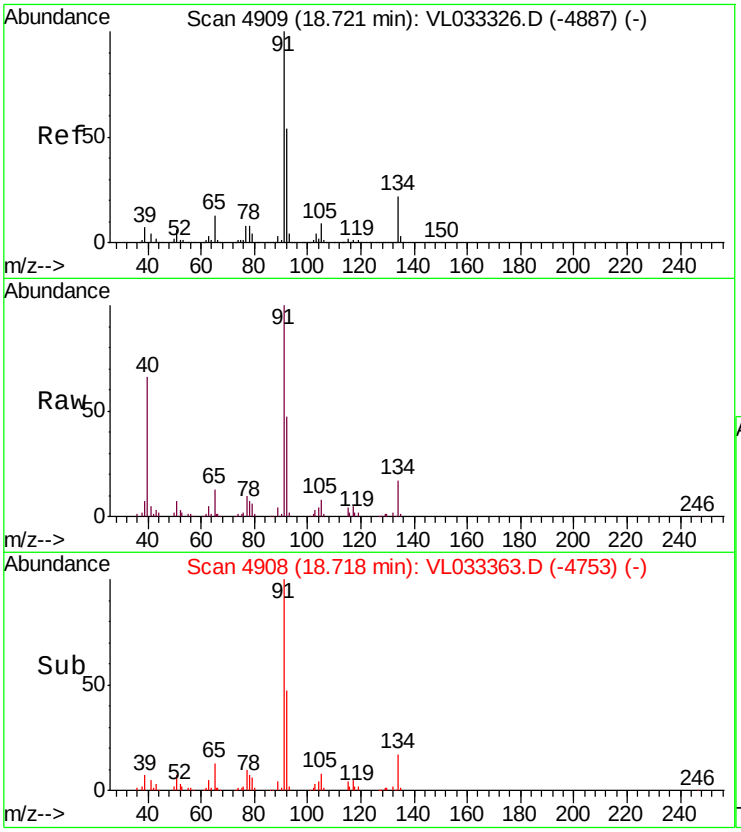


#69
p-Isopropyltoluene
Concen: 0.342 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:119 Resp: 109260

Ion	Ratio	Lower	Upper
119	100		
134	26.0	19.8	29.6
91	33.2	23.4	35.2



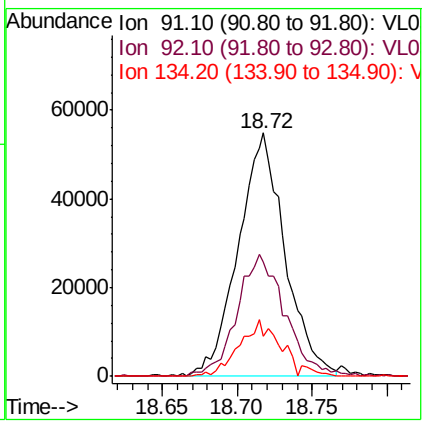


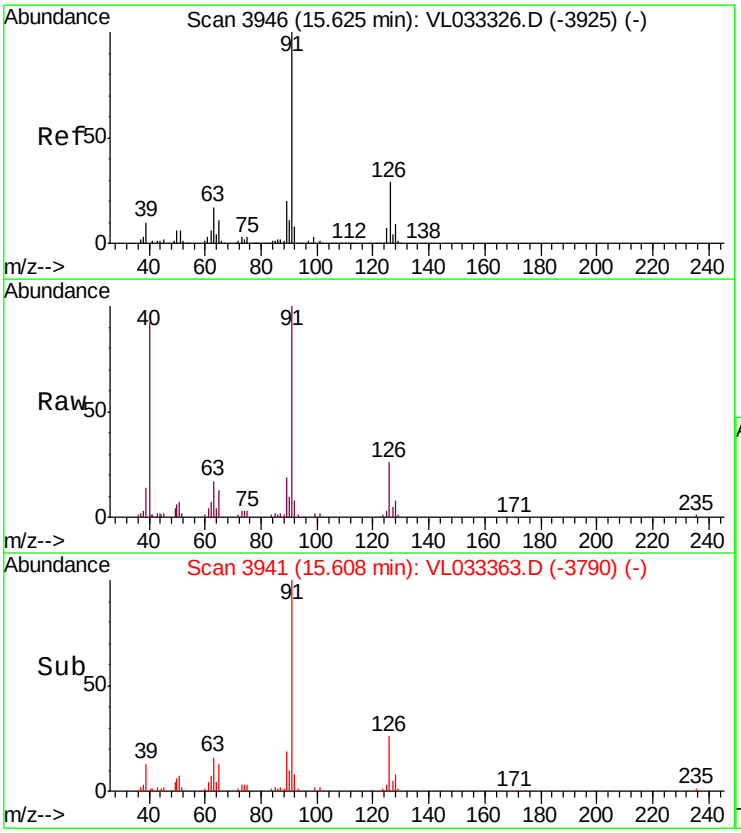
#70
n-Butylbenzene
Concen: 0.350 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion: 91 Resp: 119278

Ion	Ratio	Lower	Upper
91	100		
92	51.9	42.8	64.2
134	20.8	17.4	26.0

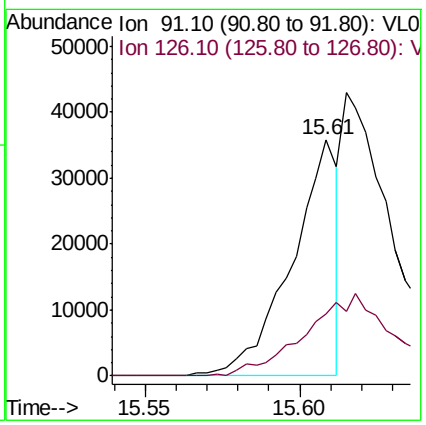


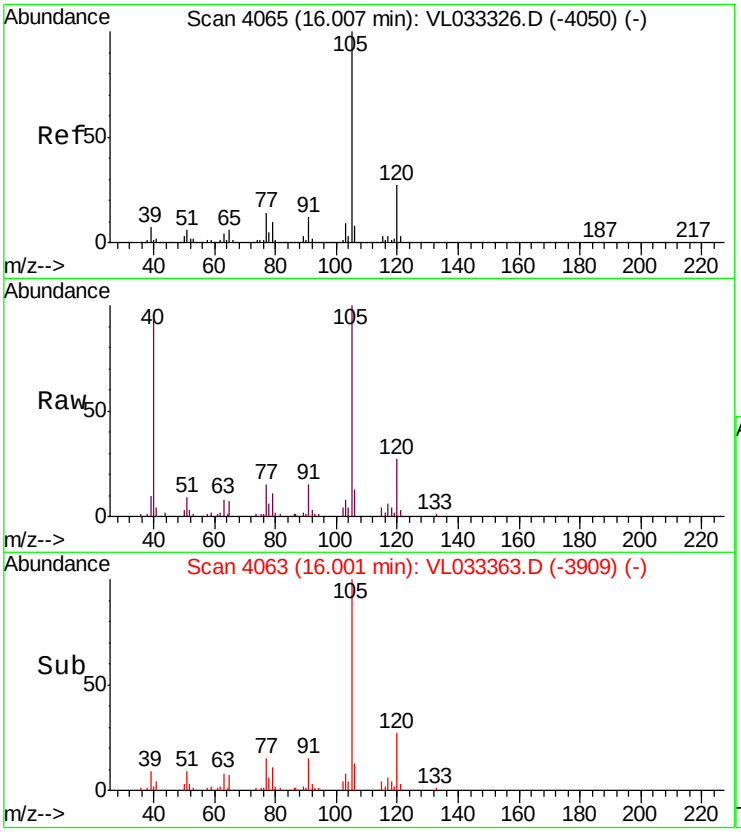


#71
2-Chlorotoluene
Concen: 0.155 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.02 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion: 91 Resp: 37018

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.6	46.6#



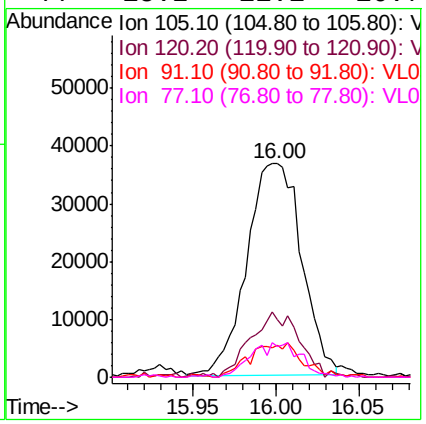


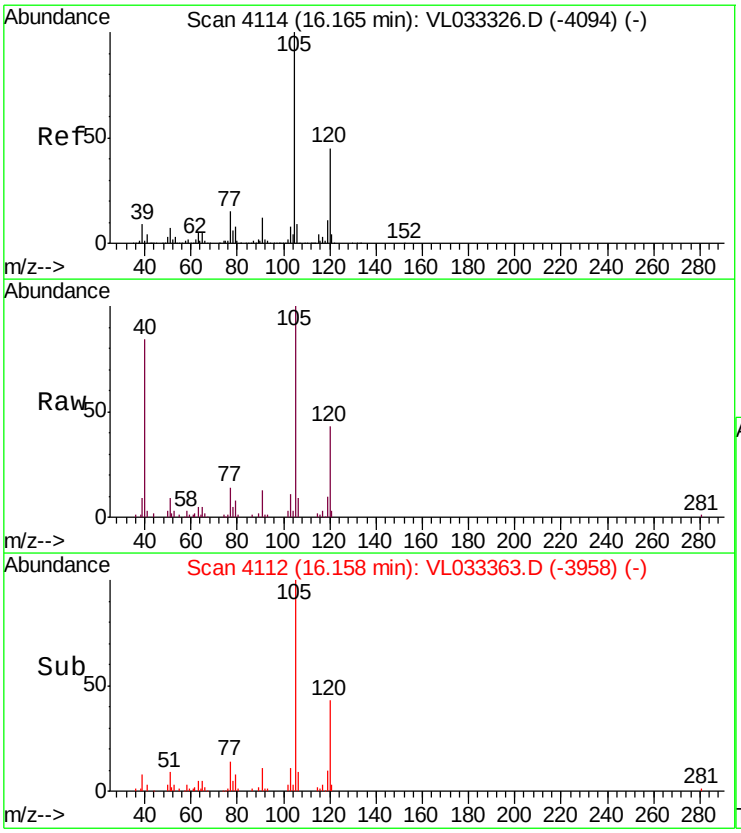
#72
4-Ethyltoluene
Concen: 0.336 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument : MSVOA_L
ClientSampleId : 0.4 MDL

Tgt Ion:105 Resp: 84129

Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.9	34.3
91	15.8	10.2	15.2#
77	15.2	11.1	16.7

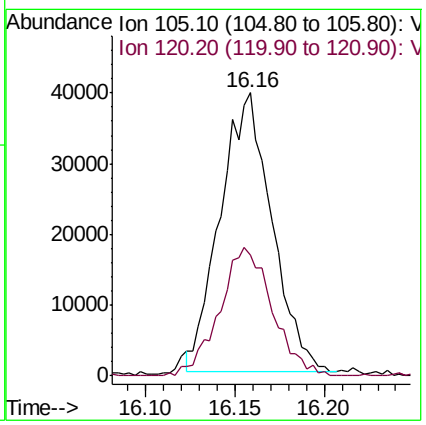


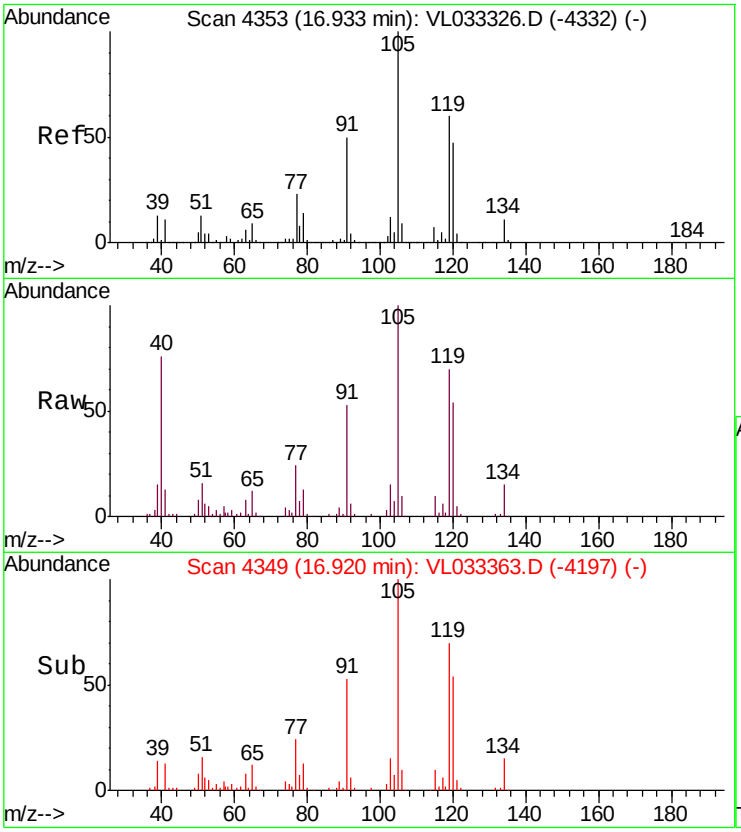


#73
1,3,5-Trimethylbenzene
Concen: 0.325 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:105 Resp: 79324

Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.2	54.4



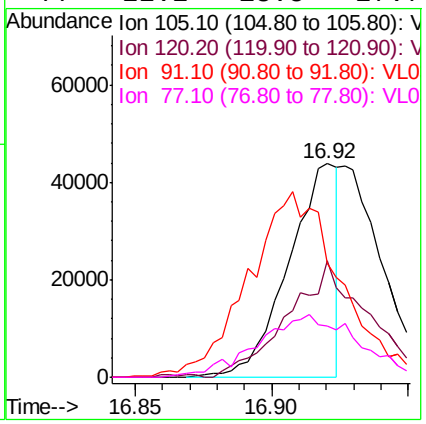


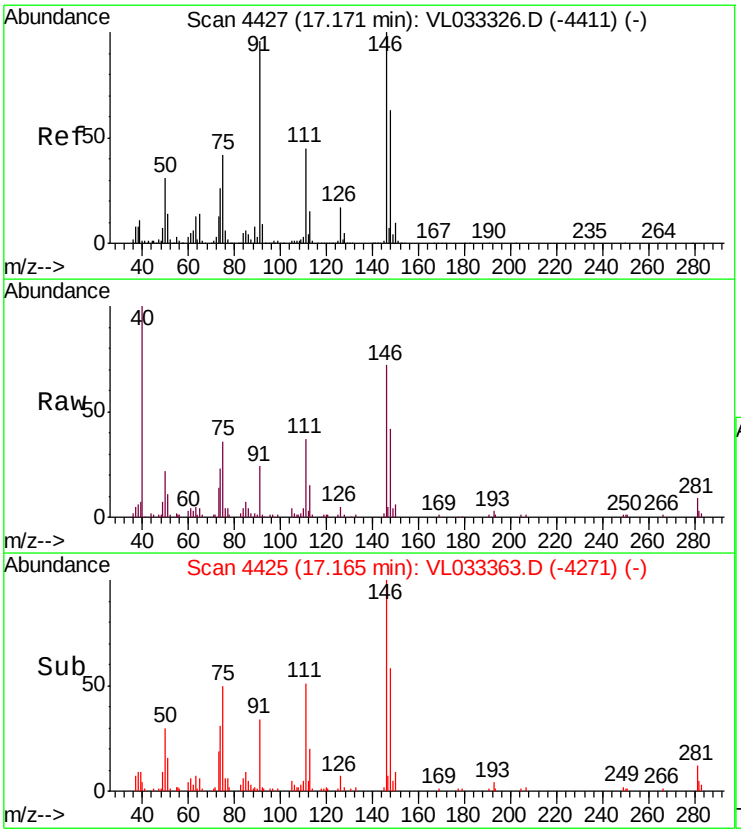
#74
1,2,4-Trimethylbenzene
Concen: 0.212 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:105 Resp: 54843

Ion	Ratio	Lower	Upper
105	100		
120	53.4	37.4	56.2
91	46.6	41.0	61.4
77	22.2	18.5	27.7

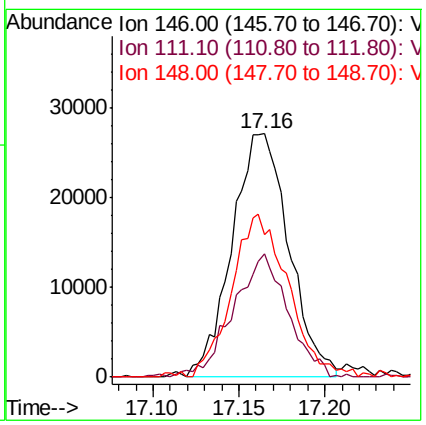


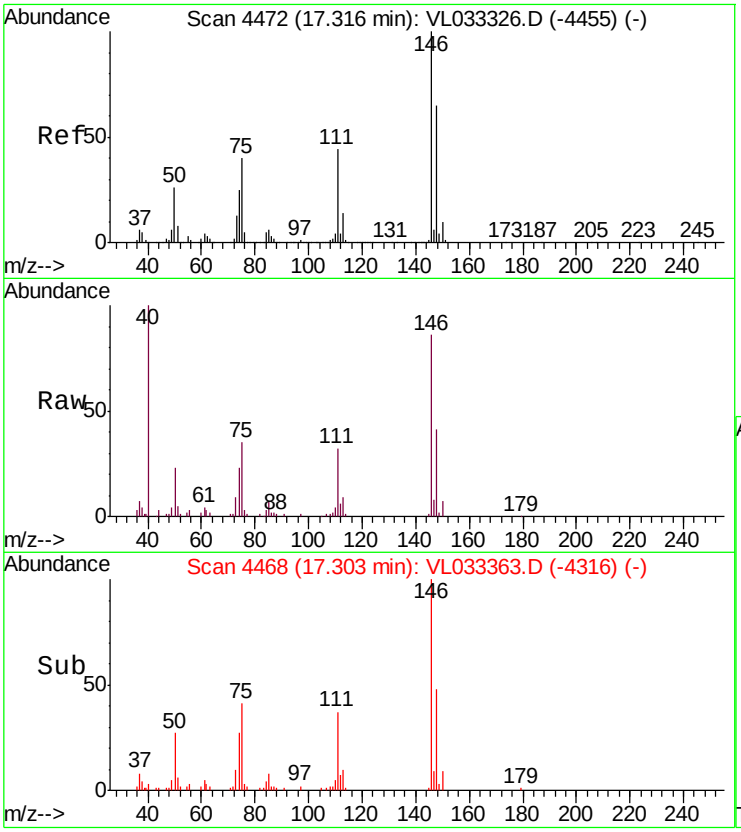


#75
1,3-Dichlorobenzene
Concen: 0.410 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:146 Resp: 62374

Ion	Ratio	Lower	Upper
146	100		
111	49.2	22.8	68.3
148	67.2	31.9	95.7



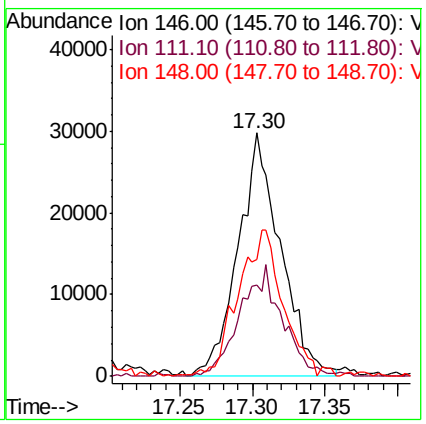


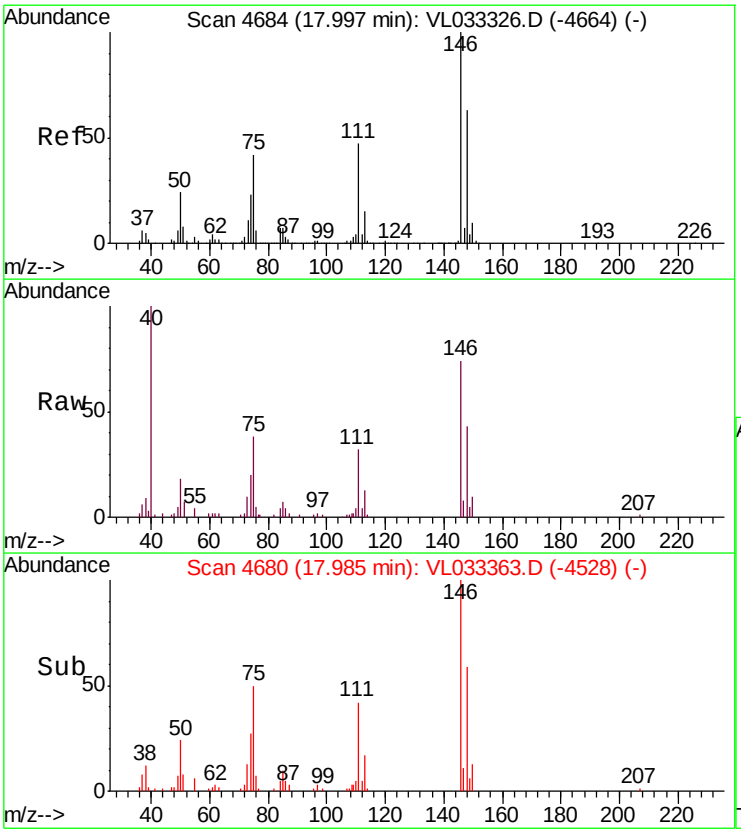
#76
1,4-Dichlorobenzene
Concen: 0.411 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:146 Resp: 60635

Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.9	65.7
148	64.4	32.1	96.5

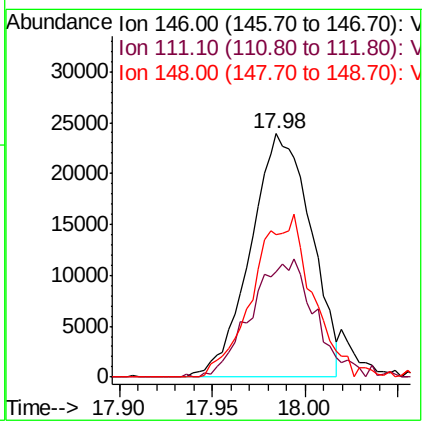


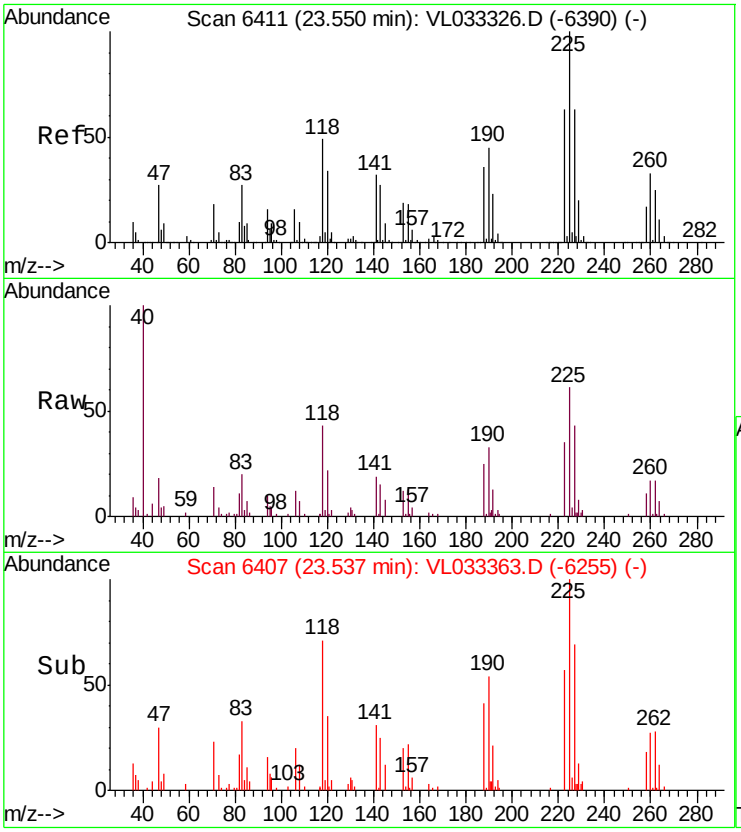


#77
1,2-Dichlorobenzene
Concen: 0.376 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:146 Resp: 54167

Ion	Ratio	Lower	Upper
146	100		
111	51.5	23.5	70.6
148	66.3	31.9	95.9



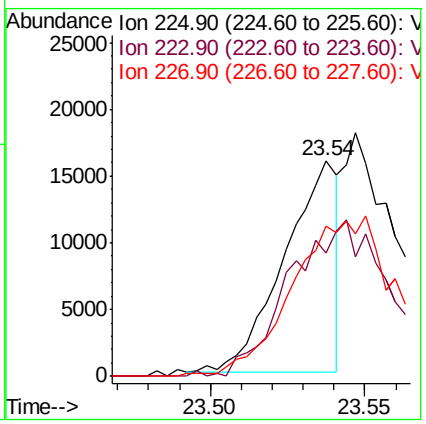


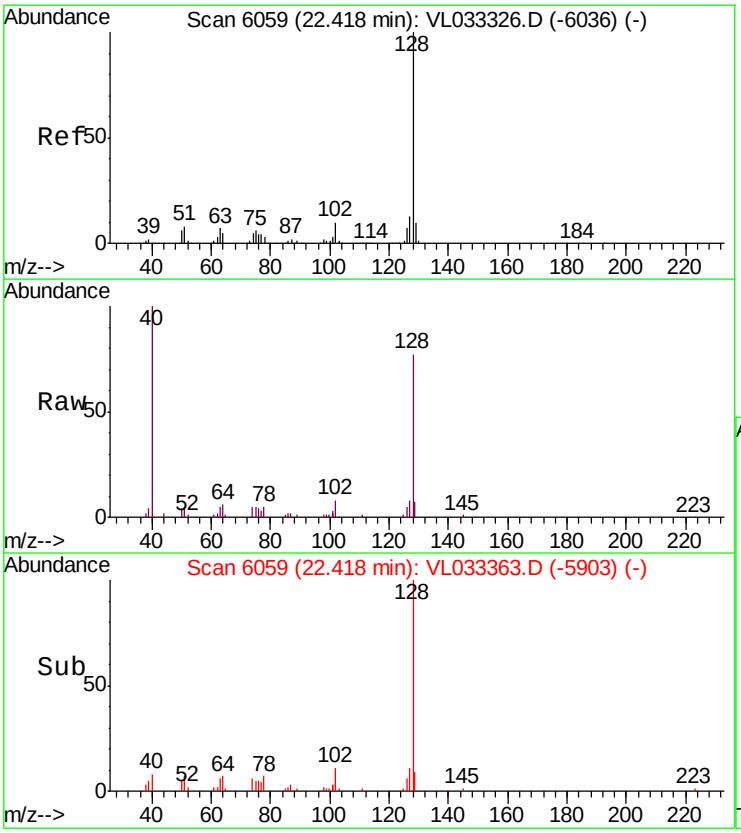
#78
Hexachloro-1,3-Butadiene
Concen: 0.218 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.01 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:225 Resp: 18864

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.4	75.6#
227	0.0	50.5	75.7#

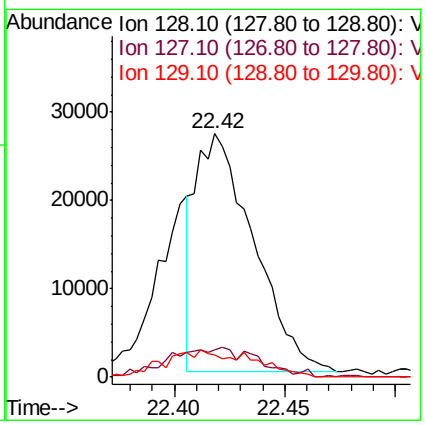


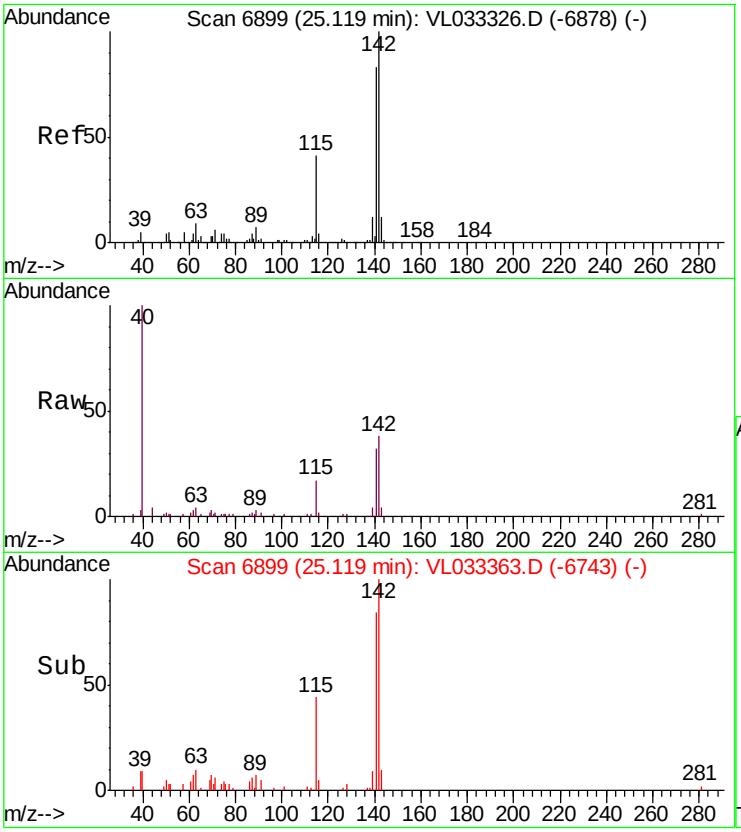


#79
Naphthalene
Concen: 0.196 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:128 Resp: 48815

Ion	Ratio	Lower	Upper
128	100		
127	10.3	10.1	15.1
129	8.5	8.2	12.2



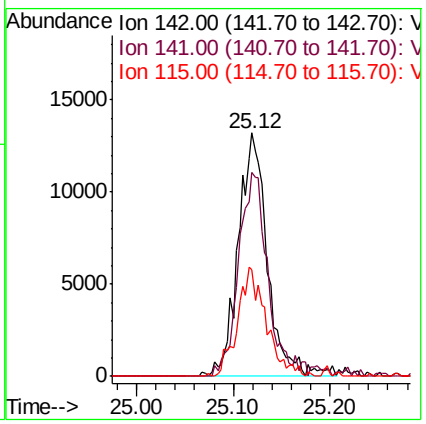


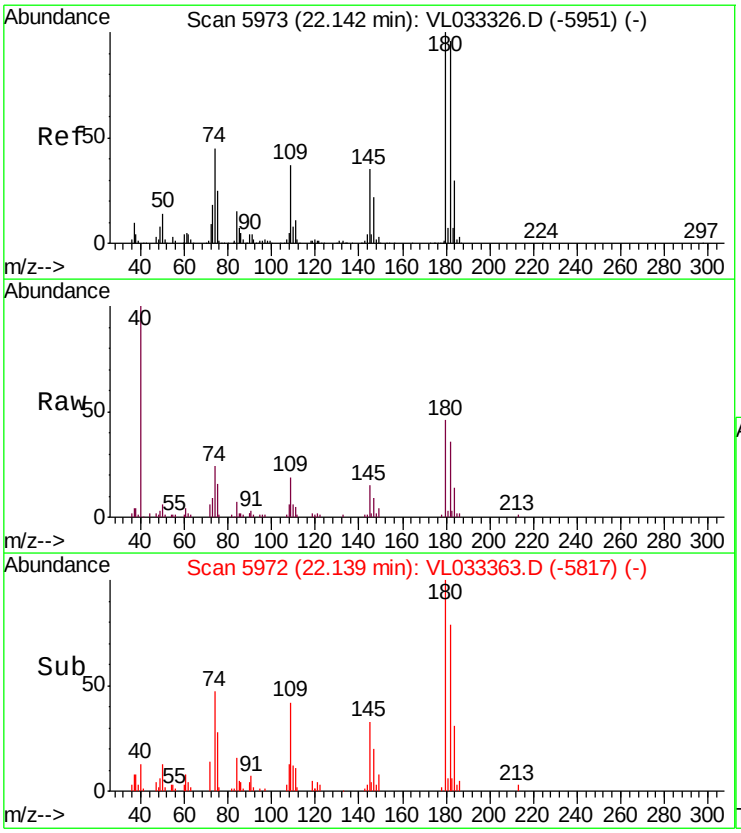
#80
Naphthalene,2-methyl-
Concen: 0.235 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Tgt Ion:142 Resp: 27719

Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.1	100.7
115	44.1	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.326 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033363.D
Acq: 18 Mar 2019 18:05

Tgt Ion:180 Resp: 41406

Ion	Ratio	Lower	Upper
180	100		
182	106.9	76.1	114.1
184	33.2	24.6	37.0