Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033337.D
Acq On : 15 Mar 2019 19:01
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:56:45 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	787845	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1784290	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1907396	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1472838	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	69265	0.500	ppbv		94
3) Chlorodifluoromethane	3.01	51	41137	0.455	ppbv		99
4) Chloromethane	3.17	50	22646	0.462	ppbv		97
5) Vinyl Chloride	3.29	62	20281	0.401	ppbv	#	87
6) Bromomethane	3.52	94	13268	0.442	ppbv		84
7) Chloroethane	3.60	64	7744	0.439	ppbv		97
8) Dichlorotetrafluoroethane	3.22	85	56194	0.476	ppbv		98
9) Propene	3.04	41	18468	0.458	ppbv		95
10) Heptane	8.24	43	15077	0.151	ppbv	#	27
11) Trichlorofluoromethane	4.01	101	60970	0.442	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	40042	0.437	ppbv		96
13) Ethanol	3.66	45	9646	0.501	ppbv		63
14) Bromoethene	3.79	108	15997	0.419	ppbv	#	97
15) Acetone	3.91	43	64134	0.524	ppbv		99
16) 1,3-Butadiene	3.36	39	11744	0.295	ppbv	#	66
18) 1,1-Dichloroethene	4.35	96	16806	0.402	ppbv	#	81
19) Isopropyl Alcohol	4.04	45	30340	0.521	ppbv	#	93
20) Methylene Chloride	4.41	84	18997	0.476	ppbv		93
21) Allyl Chloride	4.48	41	23686	0.399	ppbv		92
22) trans-1,2-Dichloroethene	4.97	96	15769	0.389	ppbv		90
23) Vinyl Acetate	5.16	43	51095	0.361	ppbv	#	94
24) 1,1-Dichloroethane	5.09	63	42277	0.413	ppbv		99
25) Ethyl Acetate	5.78	43	73451	0.413	ppbv		98
26) Hexane	5.78	57	17456	0.219	ppbv	#	1
27) Carbon Disulfide	4.62	76	31785	0.347	ppbv	#	91
28) Methyl tert-Butyl Ether	5.13	73	42131	0.356	ppbv		95
29) Chloroform	5.85	83	57073	0.438	ppbv		96
30) Cyclohexane	7.25	84	21609	0.339	ppbv	#	25
31) cis-1,2-Dichloroethene	5.64	61	29391	0.369	ppbv		94
32) 1,1,1-Trichloroethane	6.62	97	50626	0.396	ppbv		96
34) 2-Butanone	5.34	43	44473	0.380	ppbv		94
35) Carbon Tetrachloride	7.14	117	51939	0.413	ppbv		97
36) Benzene	7.00	78	32818	0.206	ppbv		97
37) 1,2-Dichloroethane	6.41	62	42953	0.425	ppbv		98
38) Trichloroethene	7.96	130	11851	0.196	ppbv		94
39) 1,2-Dichloropropane	7.74	63	24749	0.414	ppbv	#	85
41) Tetrahydrofuran	6.18	42	20917	0.334	ppbv		98
42) Bromodichloromethane	7.92	83	52915	0.391	ppbv		96
43) Methyl Methacrylate	8.15	69	13264	0.213	ppbv	#	26
44) 2,2,4-Trimethylpentane	8.00	57	102836	0.389	ppbv		94
45) t-1,3-Dichloropropene	9.42	75	15334	0.200	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033337.D
Acq On : 15 Mar 2019 19:01
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:56:45 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)
46) cis-1,3-Dichloropropene	8.84	75	15844	0.175 ppbv	#	94
47) 1,1,2-Trichloroethane	9.62	97	9521	0.144 ppbv		93
48) Dibromochloromethane	10.46	129	43210	0.390 ppbv		91
49) Bromoform	13.21	173	35775	0.340 ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	29231	0.177 ppbv	#	39
51) 2-Hexanone	10.30	43	26319	0.206 ppbv	#	49
52) Tetrachloroethene	11.37	164	8657	0.130 ppbv		88
53) Toluene	9.95	91	32683	0.180 ppbv	#	21
54) 1,2-Dibromoethane	10.77	107	25051	0.224 ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.29	131	3294	0.039 ppbv	#	1
57) Chlorobenzene	12.30	112	66991	0.443 ppbv		98
58) Ethyl Benzene	12.87	91	98989	0.367 ppbv		99
59) m/p-Xylene	13.13	91	65851	0.284 ppbv	#	100
60) o-Xylene	13.86	91	88543	0.391 ppbv		95
61) Styrene	13.70	104	51059	0.322 ppbv		95
62) Isopropylbenzene	14.84	105	125119	0.398 ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	70571	0.432 ppbv		100
64) n-propylbenzene	15.73	120	18940	0.238 ppbv	#	1
65) tert-Butylbenzene	16.91	119	108970	0.385 ppbv		98
66) Benzyl Chloride	17.16	91	32645	0.279 ppbv		100
67) sec-Butylbenzene	17.47	105	156182	0.389 ppbv		99
69) p-Isopropyltoluene	17.83	119	122818	0.375 ppbv		99
70) n-Butylbenzene	18.72	91	132237	0.378 ppbv		96
71) 2-Chlorotoluene	15.62	91	94814	0.387 ppbv		99
72) 4-Ethyltoluene	16.00	105	50827	0.198 ppbv	#	59
73) 1,3,5-Trimethylbenzene	16.16	105	51558	0.206 ppbv		93
74) 1,2,4-Trimethylbenzene	16.93	105	102369	0.386 ppbv		89
75) 1,3-Dichlorobenzene	17.17	146	64877	0.415 ppbv		96
76) 1,4-Dichlorobenzene	17.32	146	62241	0.411 ppbv		97
77) 1,2-Dichlorobenzene	18.00	146	61930	0.419 ppbv		98
78) Hexachloro-1,3-Butadiene	23.55	225	24596	0.277 ppbv	#	19
79) Naphthalene	22.43	128	41408	0.162 ppbv		96
80) Naphthalene,2-methyl-	25.12	142	36682	0.303 ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	40081	0.308 ppbv	#	70

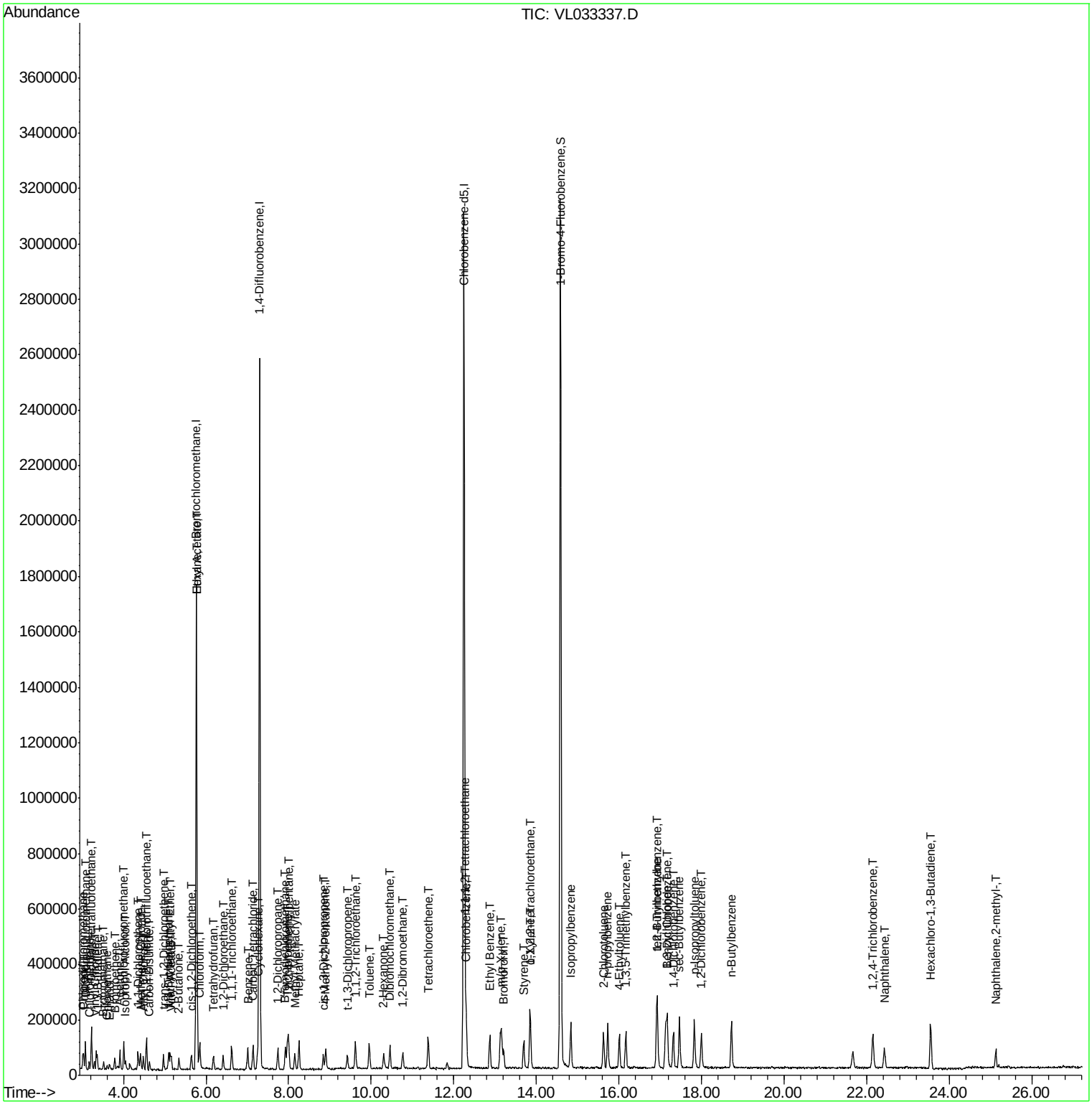
(#) = qualifier out of range (m) = manual integration (+) = signals summed

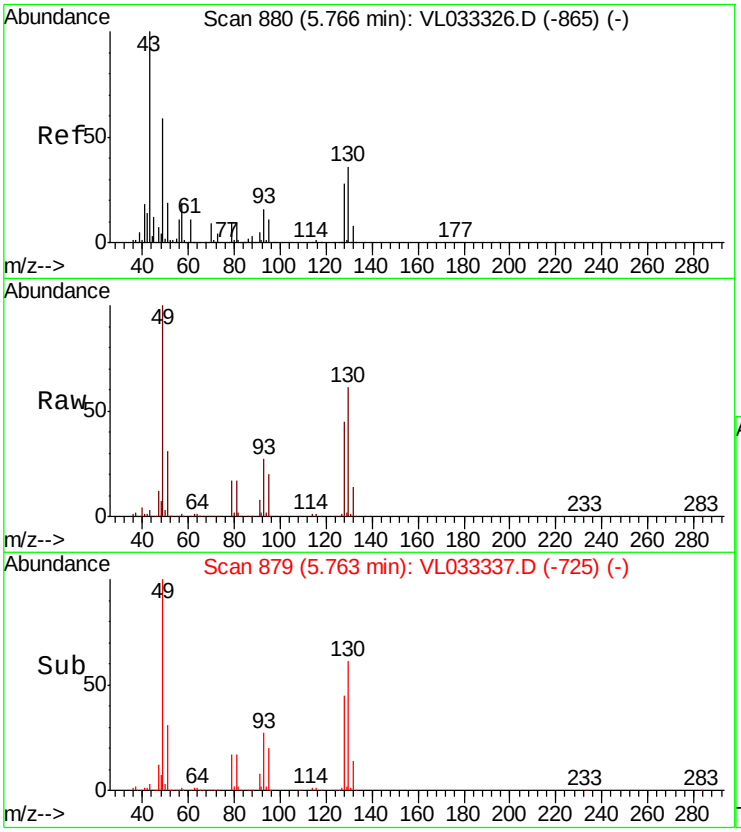
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033337.D
Acq On : 15 Mar 2019 19:01
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:56:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



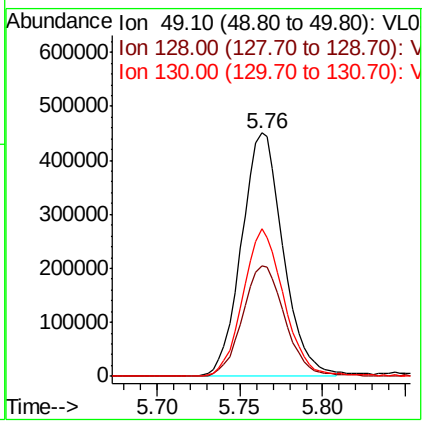


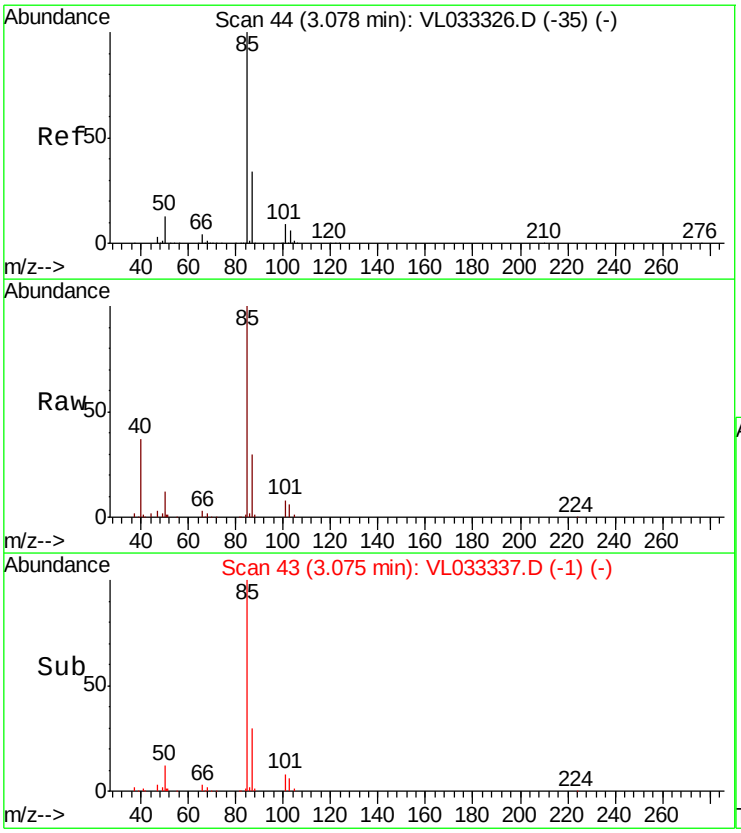
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 787845

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.5	70.6
130	60.1	30.1	90.3

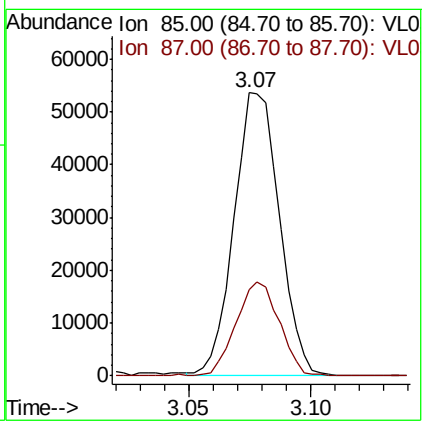


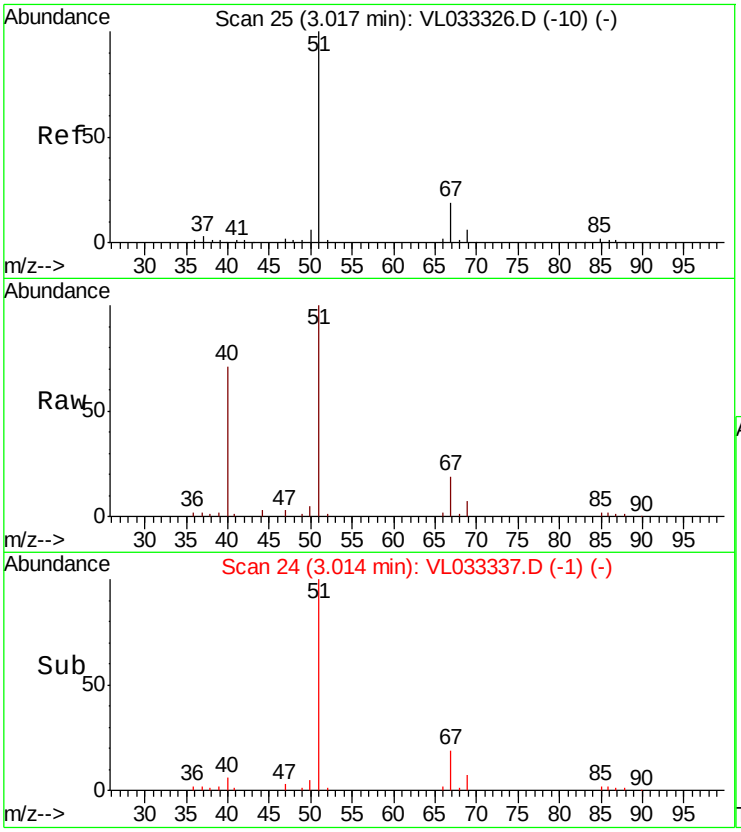


#2
Dichlorodifluoromethane
Concen: 0.500 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 85 Resp: 69265

Ion	Ratio	Lower	Upper
85	100		
87	30.3	26.9	40.3



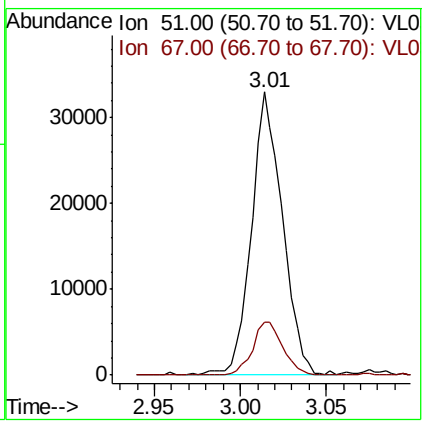


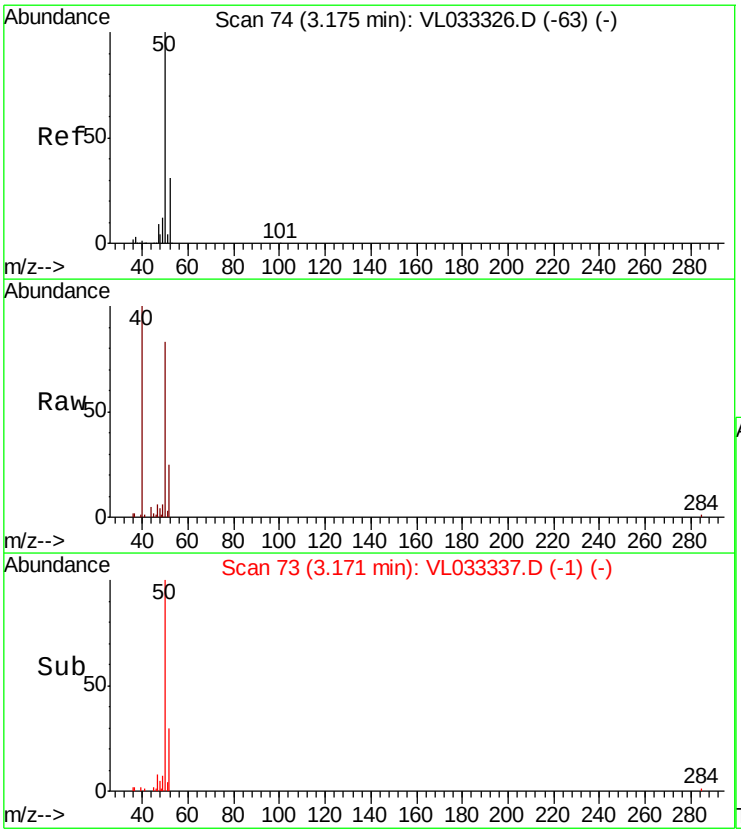
#3
Chlorodifluoromethane
Concen: 0.455 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 51 Resp: 41137

Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.9	22.3

Instrument :
MSVOA_L
ClientSampleId :

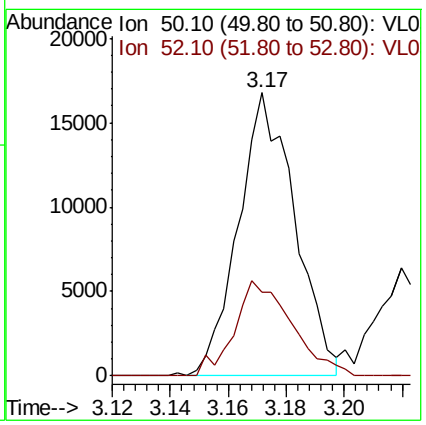


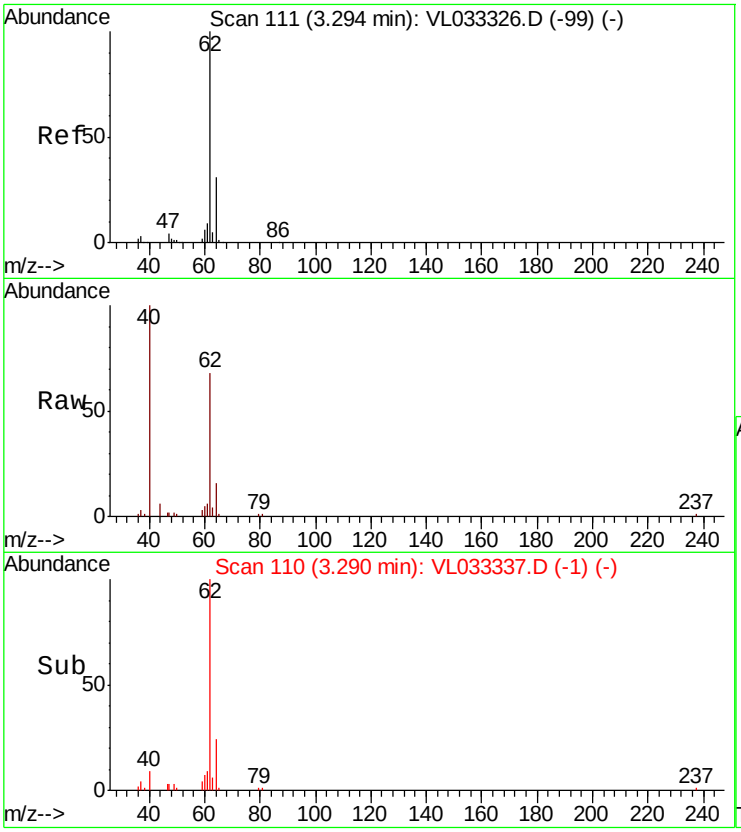


#4
Chloromethane
Concen: 0.462 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 50 Resp: 22646

Ion	Ratio	Lower	Upper
50	100		
52	29.6	25.0	37.6



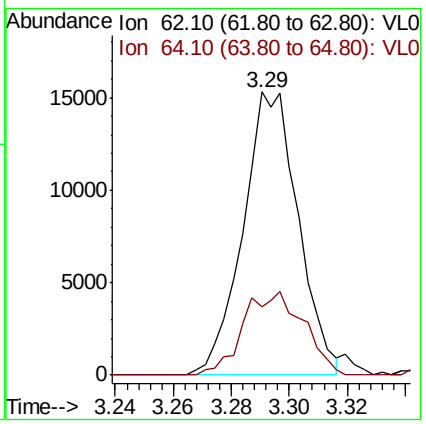


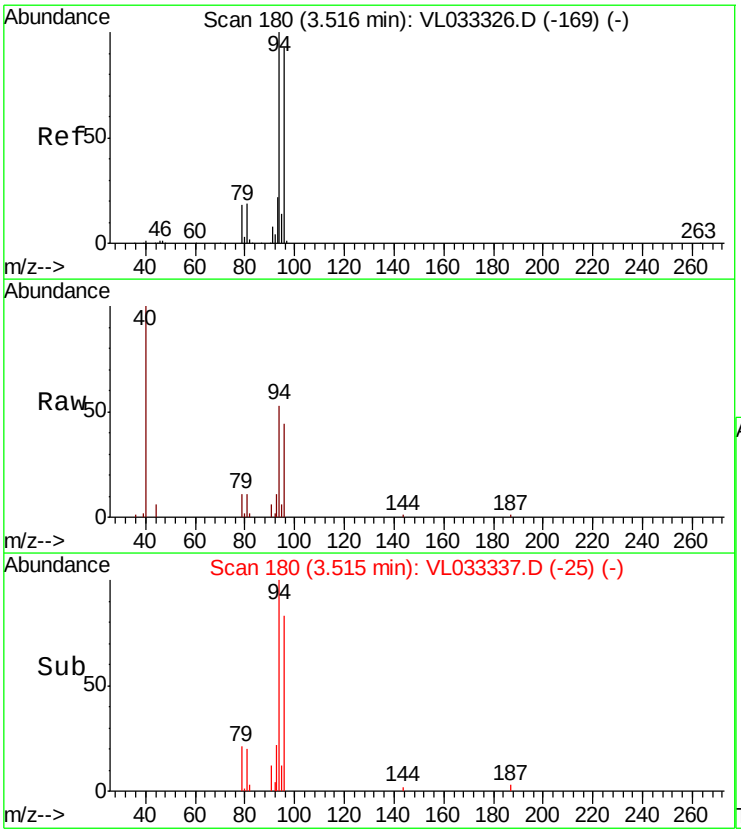
#5
Vinyl Chloride
Concen: 0.401 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 20281

Ion	Ratio	Lower	Upper
62	100		
64	24.0	25.0	37.6#

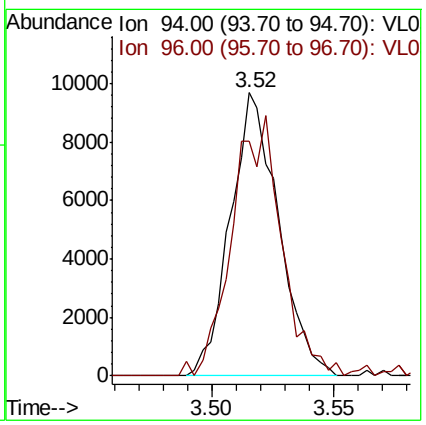


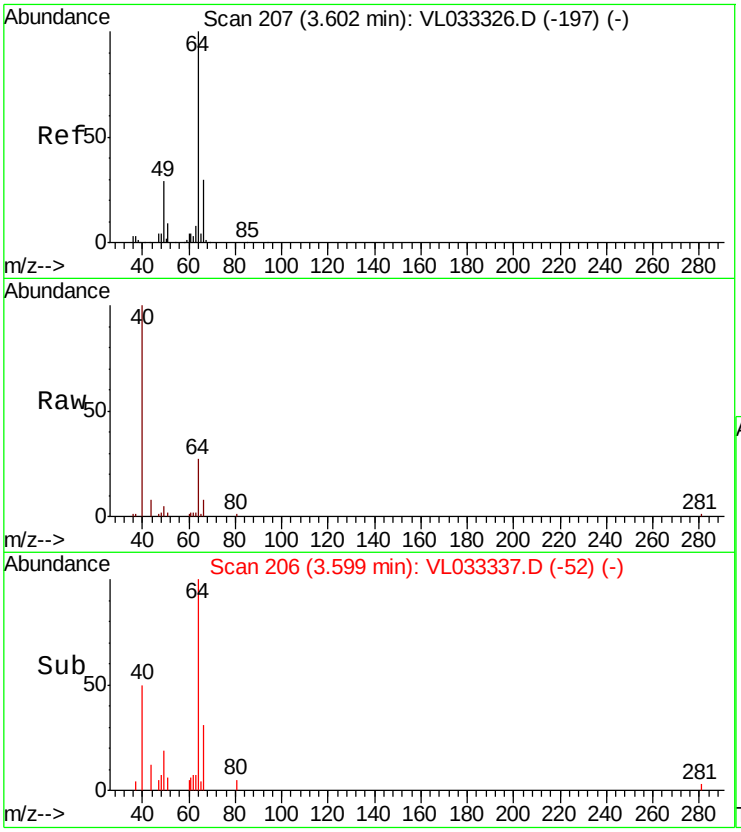


#6
Bromomethane
Concen: 0.442 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 94 Resp: 13268

Ion	Ratio	Lower	Upper
94	100		
96	77.9	74.6	111.8



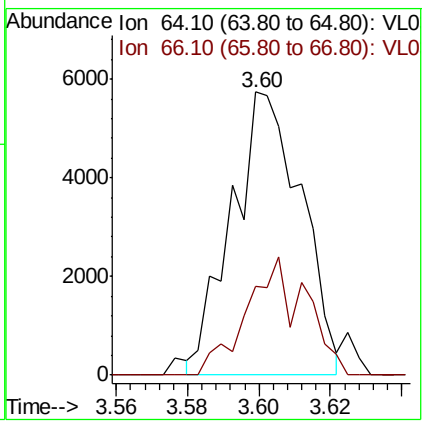


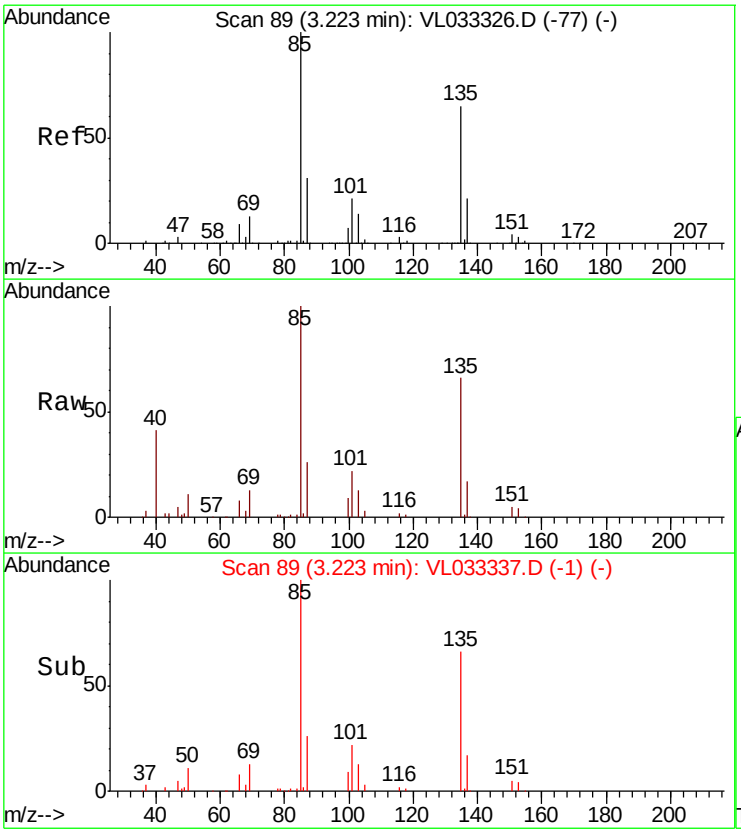
#7
Chloroethane
Concen: 0.439 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 7744

Ion	Ratio	Lower	Upper
64	100		
66	31.5	24.0	36.0

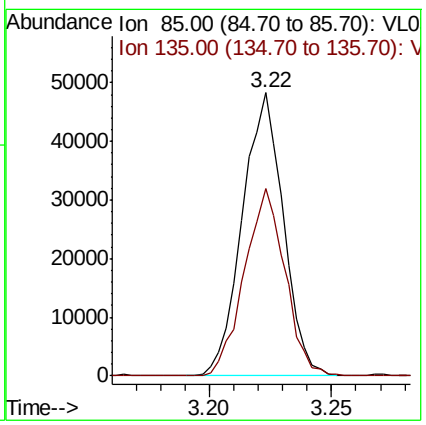


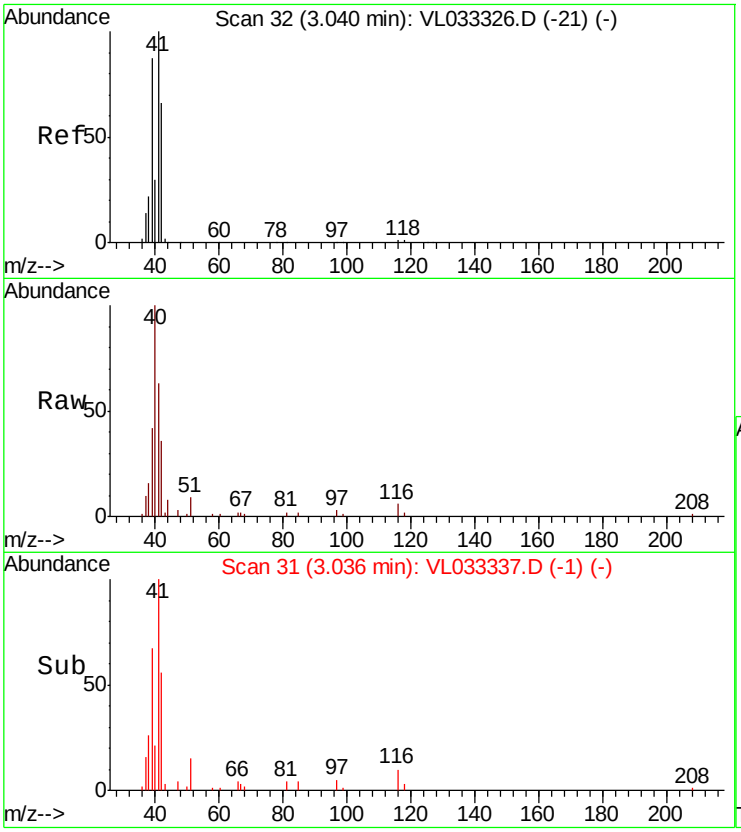


#8
Dichlorotetrafluoroethane
Concen: 0.476 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 85 Resp: 56194

Ion	Ratio	Lower	Upper
85	100		
135	65.6	53.4	80.2



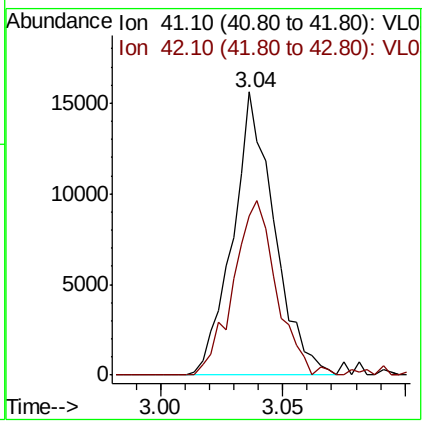


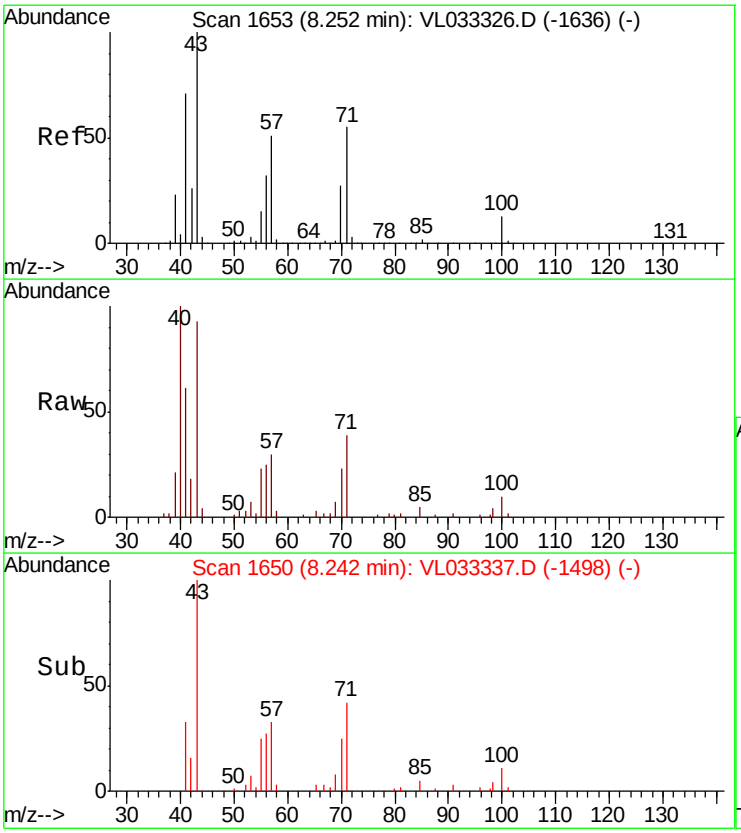
#9
Propene
Concen: 0.458 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 18468

Ion	Ratio	Lower	Upper
41	100		
42	65.3	55.2	82.8

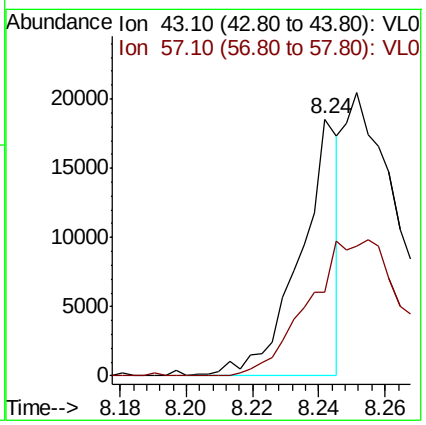


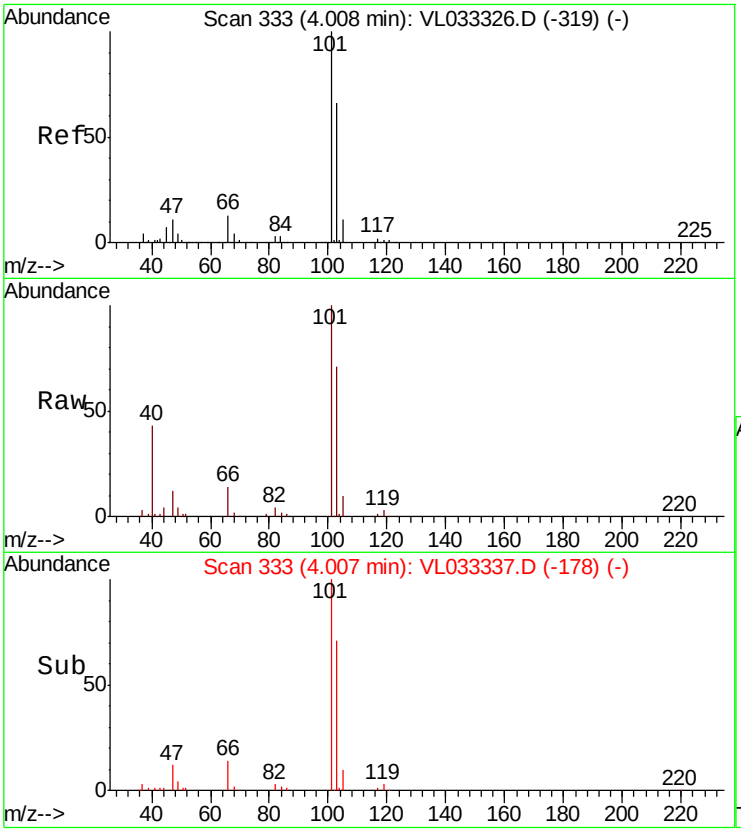


#10
Heptane
Concen: 0.151 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 43 Resp: 15077

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.4	60.6#



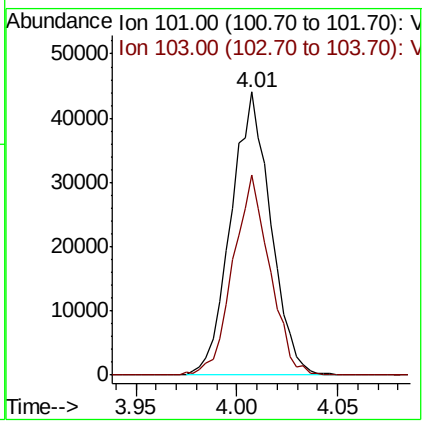


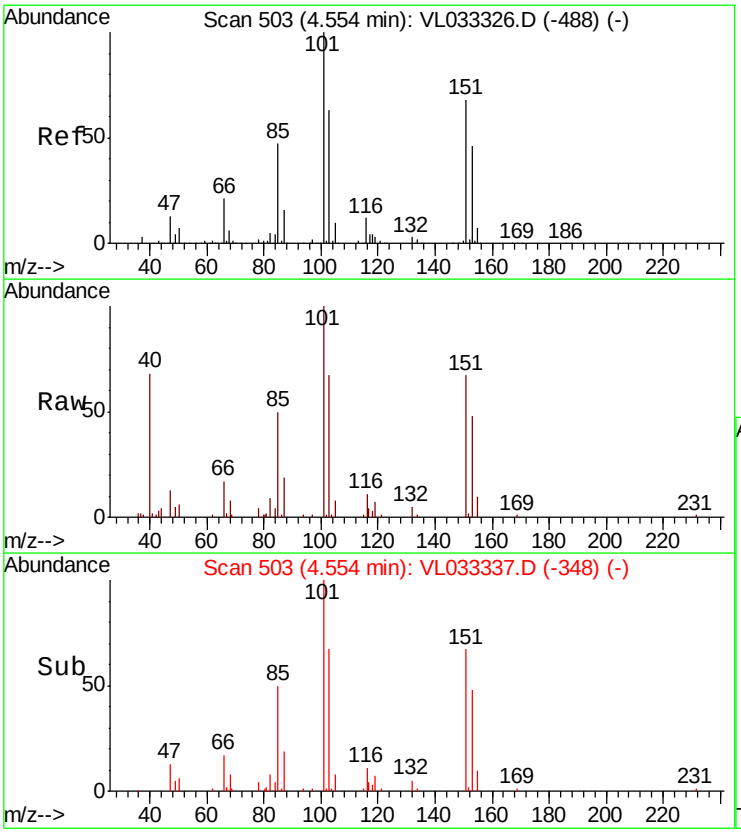
#11
Trichlorofluoromethane
Concen: 0.442 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 60970

Ion	Ratio	Lower	Upper
101	100		
103	70.8	52.9	79.3

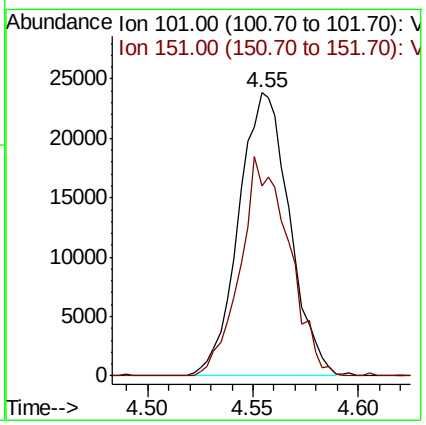


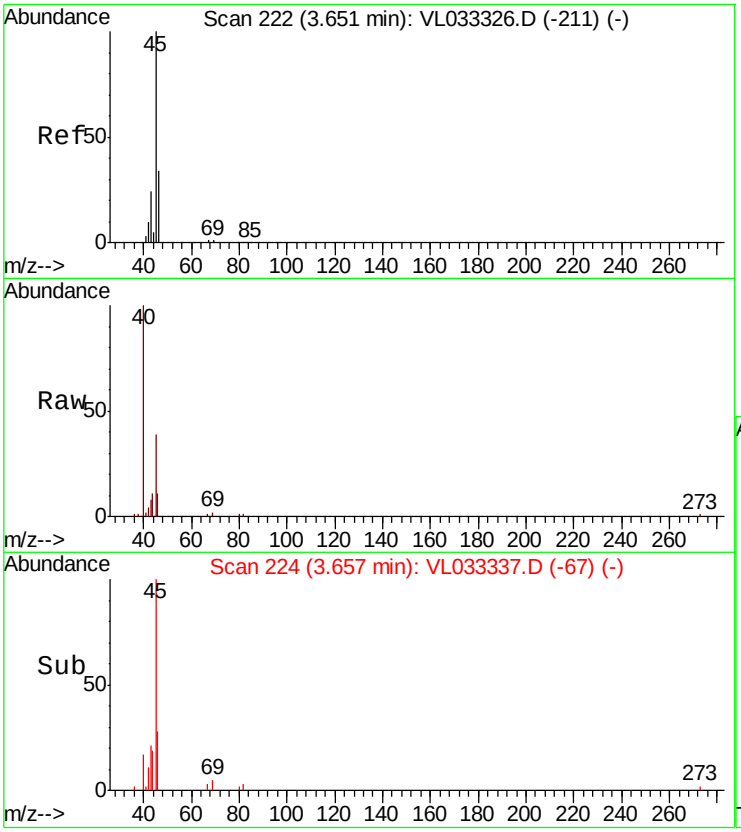


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.437 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:101 Resp: 40042

Ion	Ratio	Lower	Upper
101	100		
151	73.6	56.3	84.5



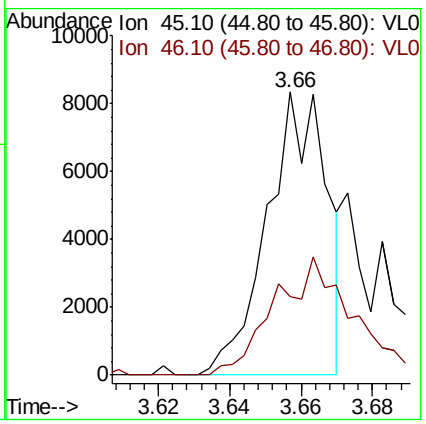


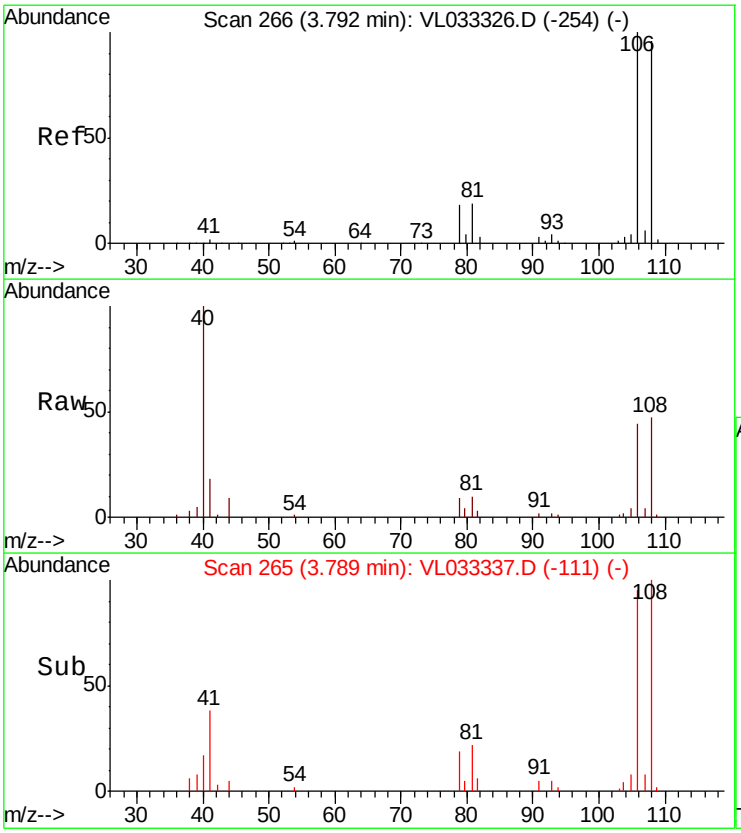
#13
Ethanol
Concen: 0.501 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 9646

Ion	Ratio	Lower	Upper
45	100		
46	59.3	14.9	59.7

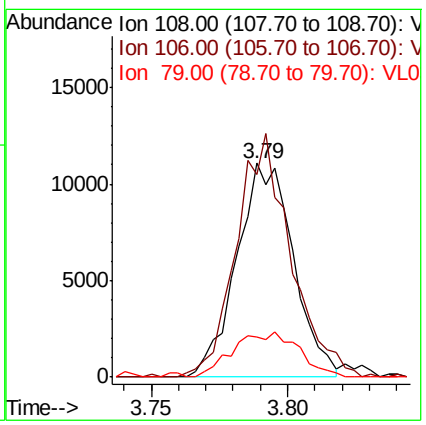


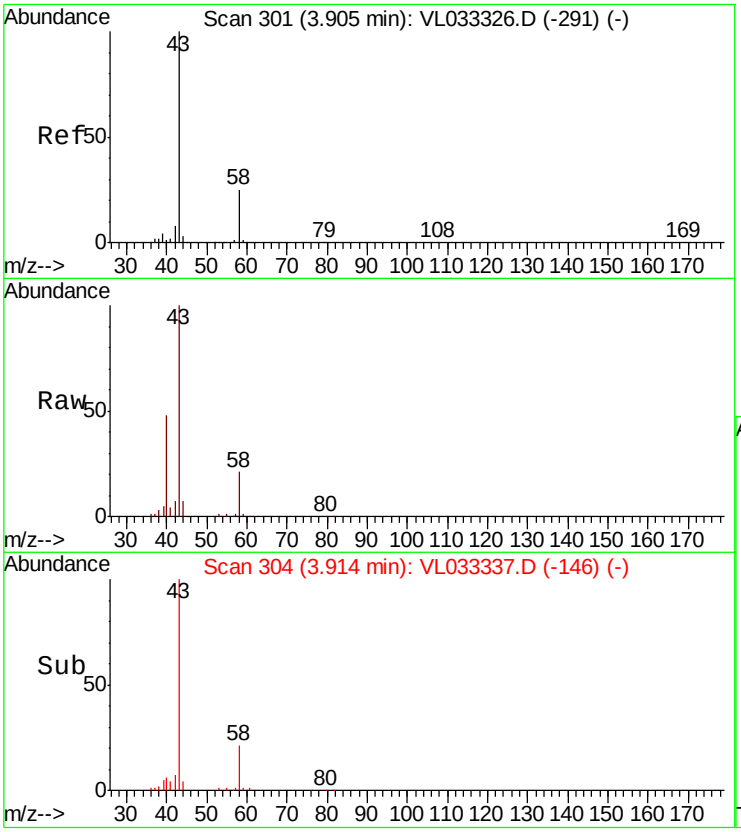


#14
Bromoethene
Concen: 0.419 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:108 Resp: 15997

Ion	Ratio	Lower	Upper
108	100		
106	109.0	86.2	129.2
79	25.5	15.4	23.2#



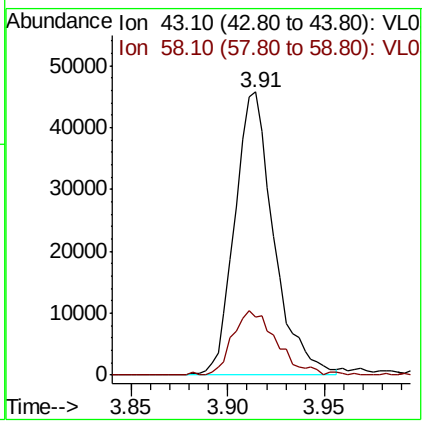


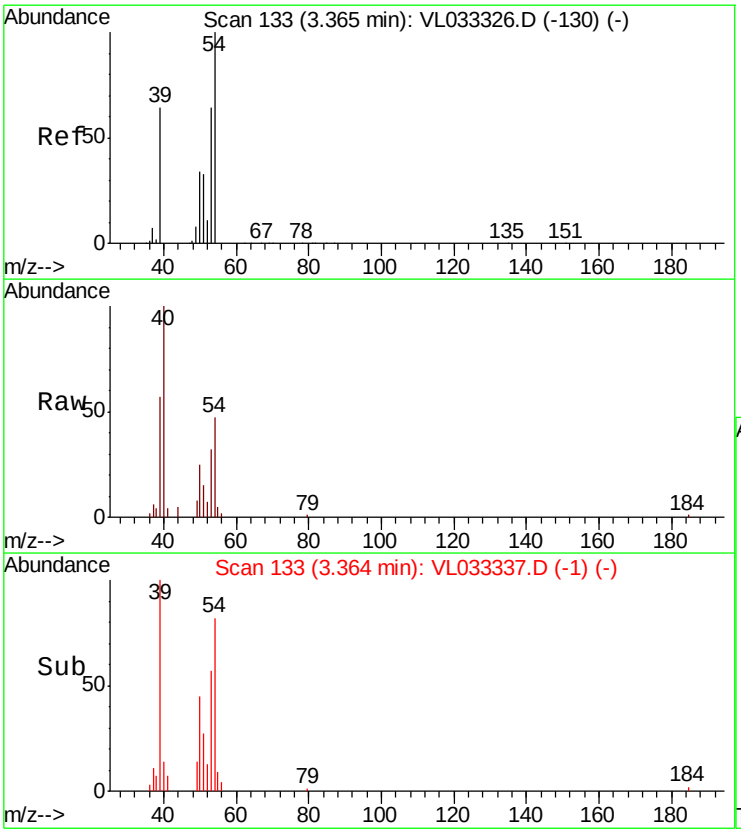
#15
Acetone
Concen: 0.524 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 64134

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.4	30.6

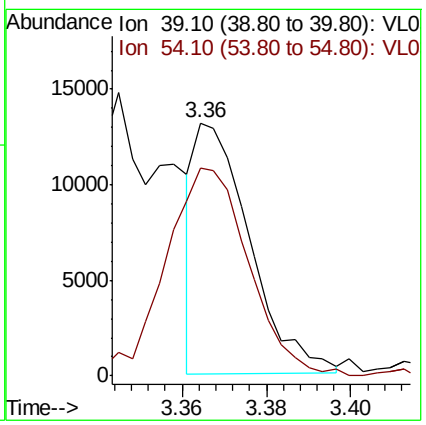


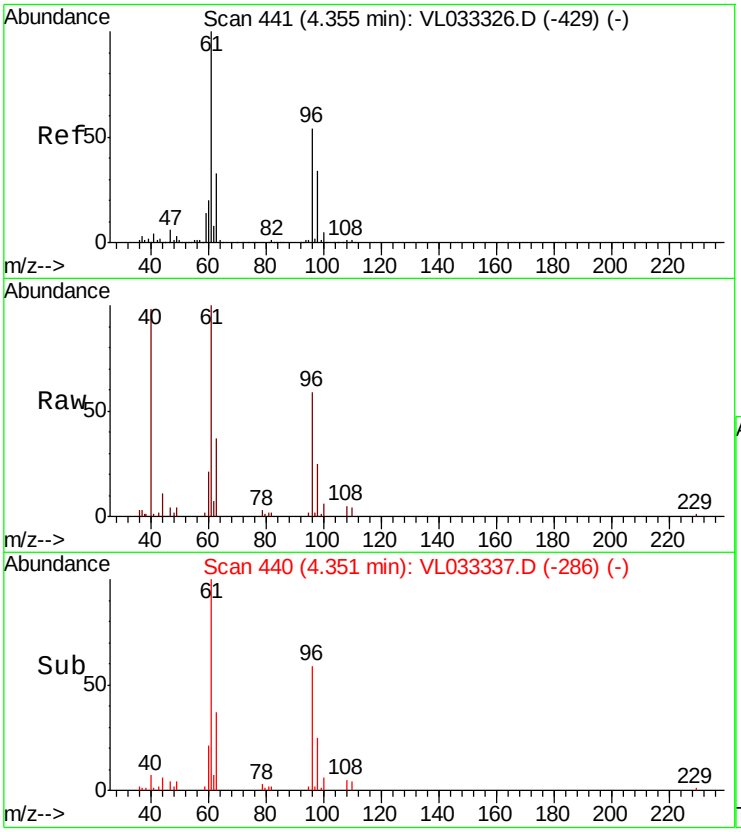


#16
1,3-Butadiene
Concen: 0.295 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 39 Resp: 11744

Ion	Ratio	Lower	Upper
39	100		
54	129.4	76.8	115.2#



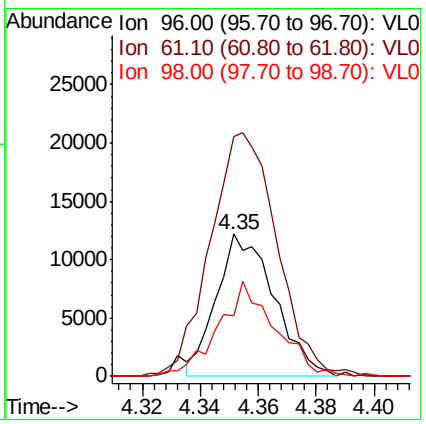


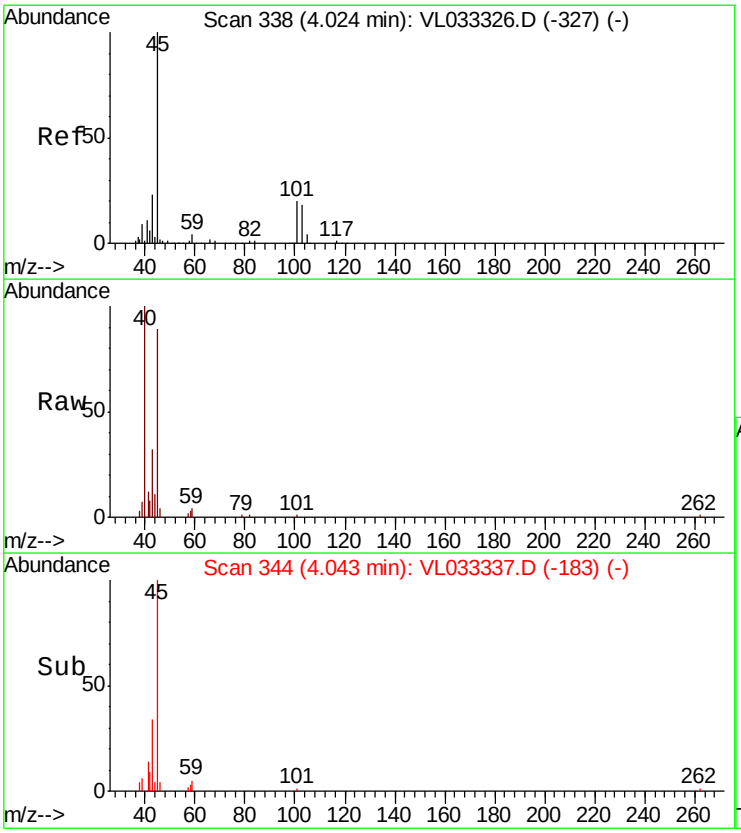
#18
1,1-Dichloroethene
Concen: 0.402 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 16806

Ion	Ratio	Lower	Upper
96	100		
61	164.2	148.6	222.8
98	39.9	50.3	75.5#

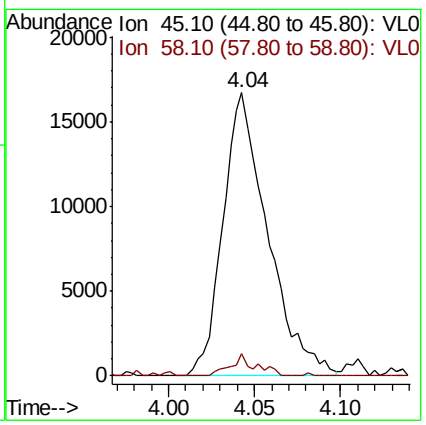


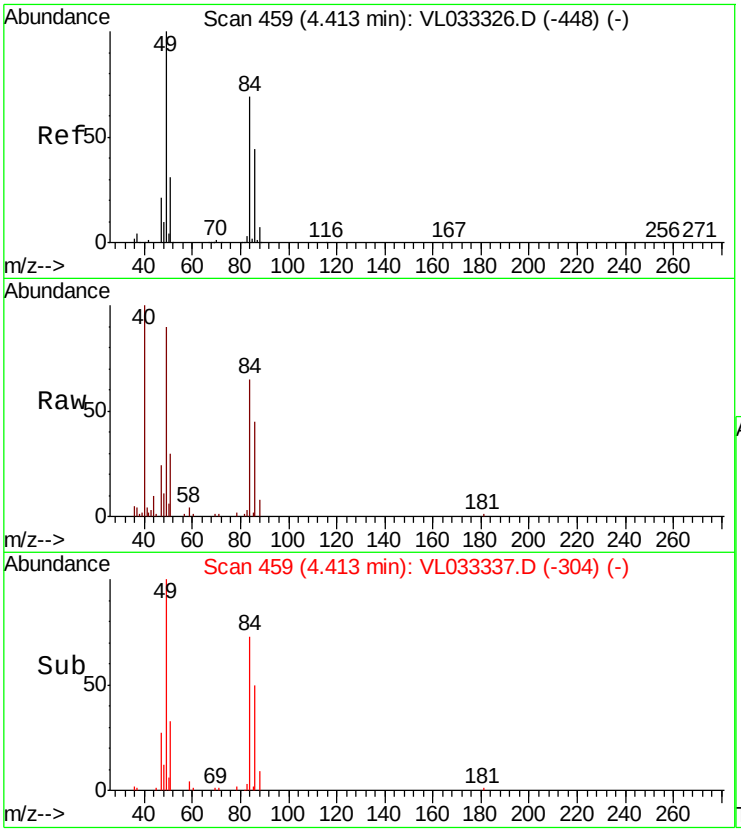


#19
Isopropyl Alcohol
Concen: 0.521 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 45 Resp: 30340

Ion	Ratio	Lower	Upper
45	100		
58	4.3	1.5	2.3#



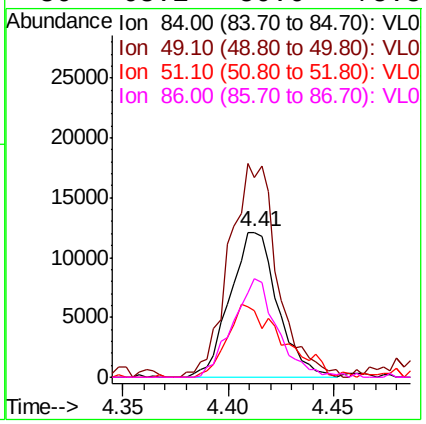


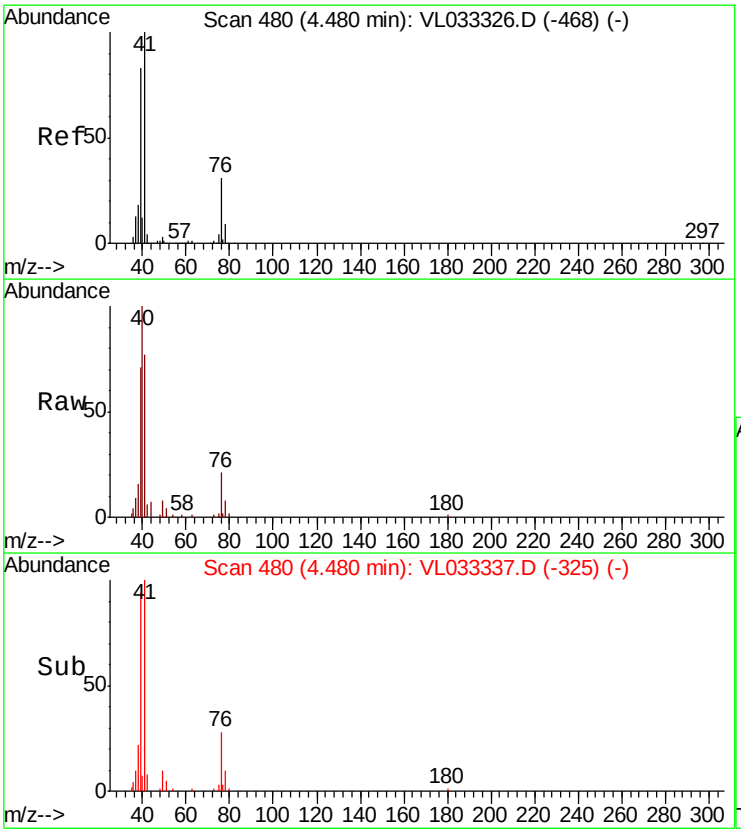
#20
Methylene Chloride
Concen: 0.476 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 18997

Ion	Ratio	Lower	Upper
84	100		
49	133.5	115.4	173.0
51	45.8	35.8	53.6
86	68.1	50.6	75.8

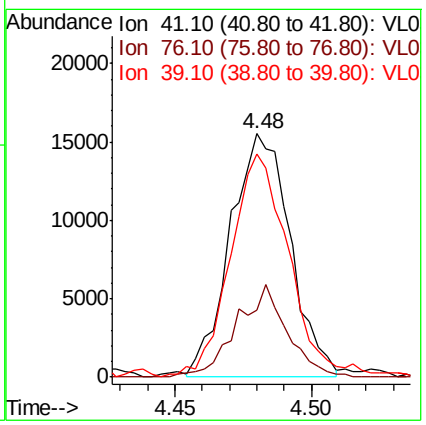


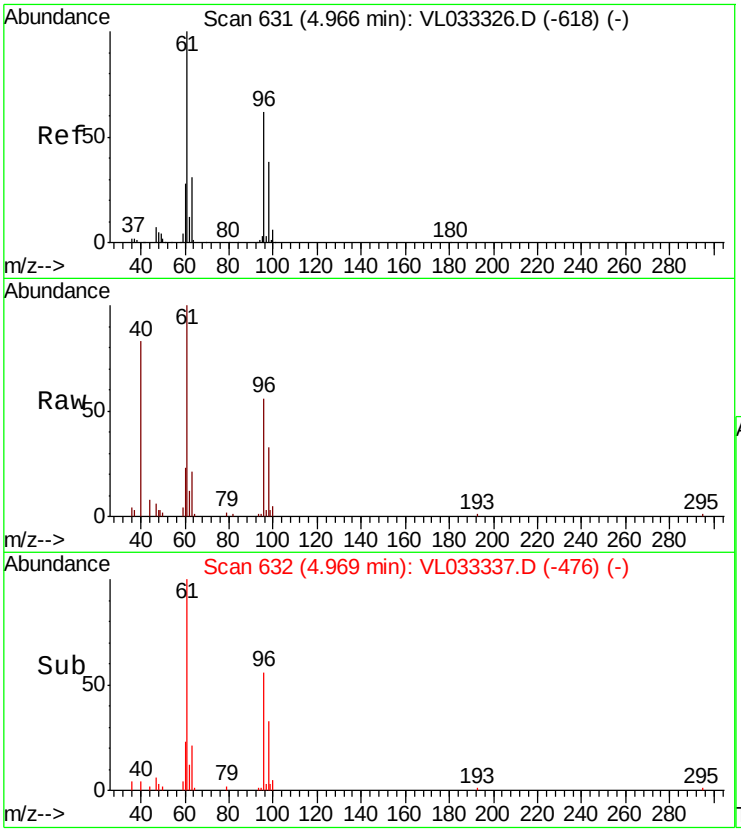


#21
Allyl Chloride
Concen: 0.399 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 41 Resp: 23686

Ion	Ratio	Lower	Upper
41	100		
76	31.8	25.0	37.4
39	91.5	65.9	98.9



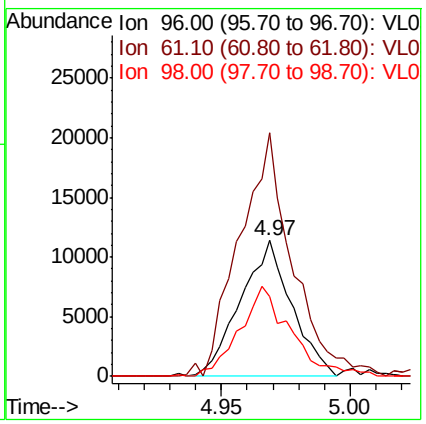


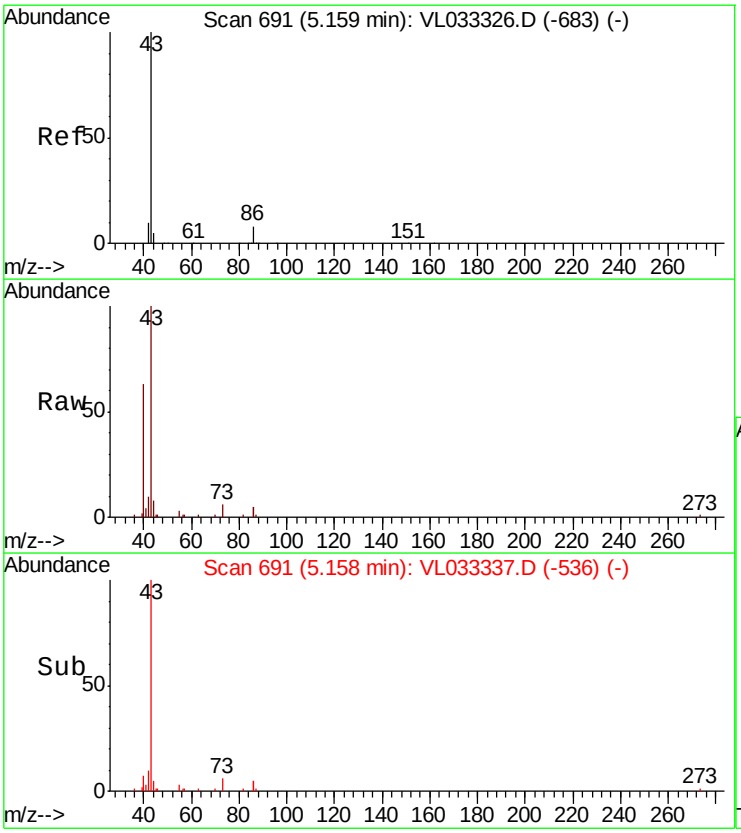
#22
trans-1,2-Dichloroethene
Concen: 0.389 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 15769

Ion	Ratio	Lower	Upper
96	100		
61	178.3	130.0	195.0
98	58.9	50.0	75.0

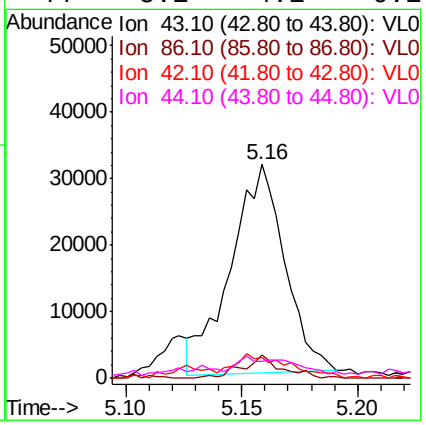


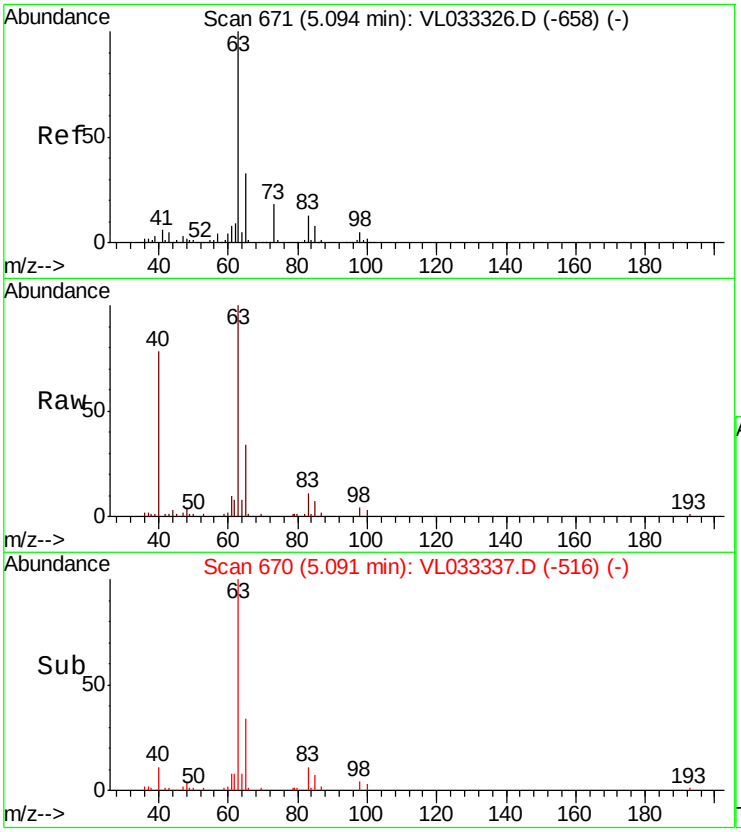


#23
Vinyl Acetate
Concen: 0.361 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 43 Resp: 51095

Ion	Ratio	Lower	Upper
43	100		
86	11.8	6.2	9.2#
42	8.5	8.1	12.1
44	5.1	4.1	6.1



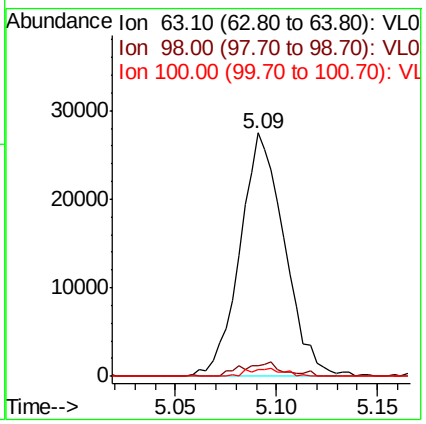


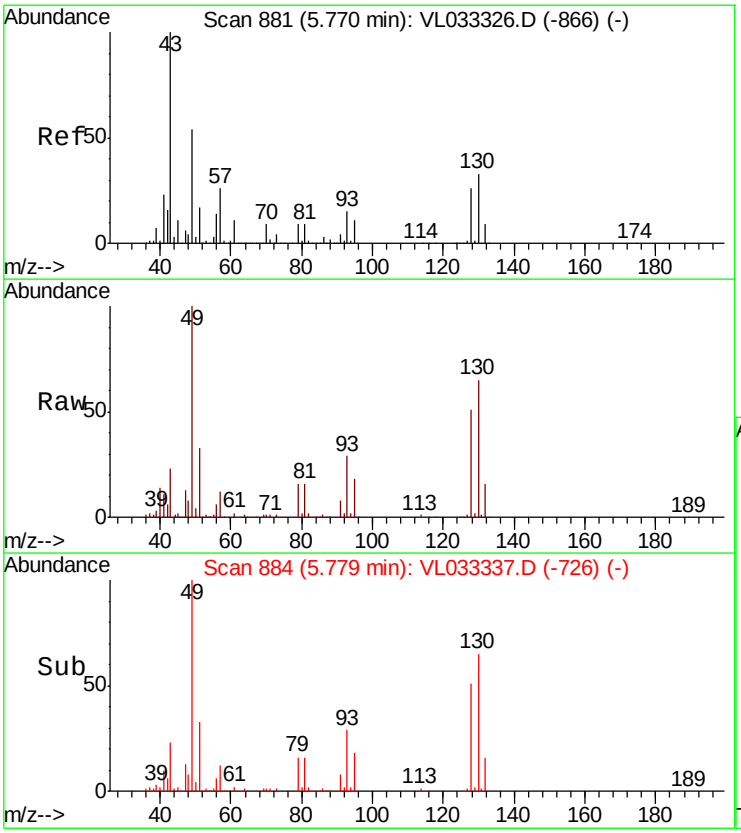
#24
1,1-Dichloroethane
Concen: 0.413 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 42277

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.8	1.3	3.8

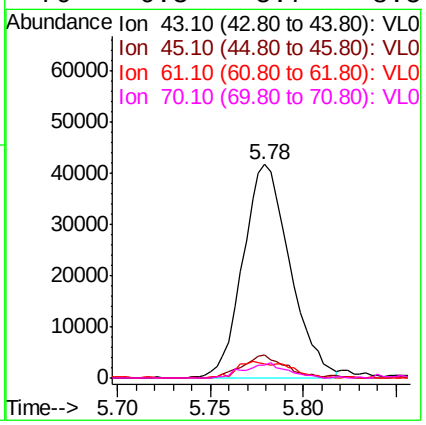


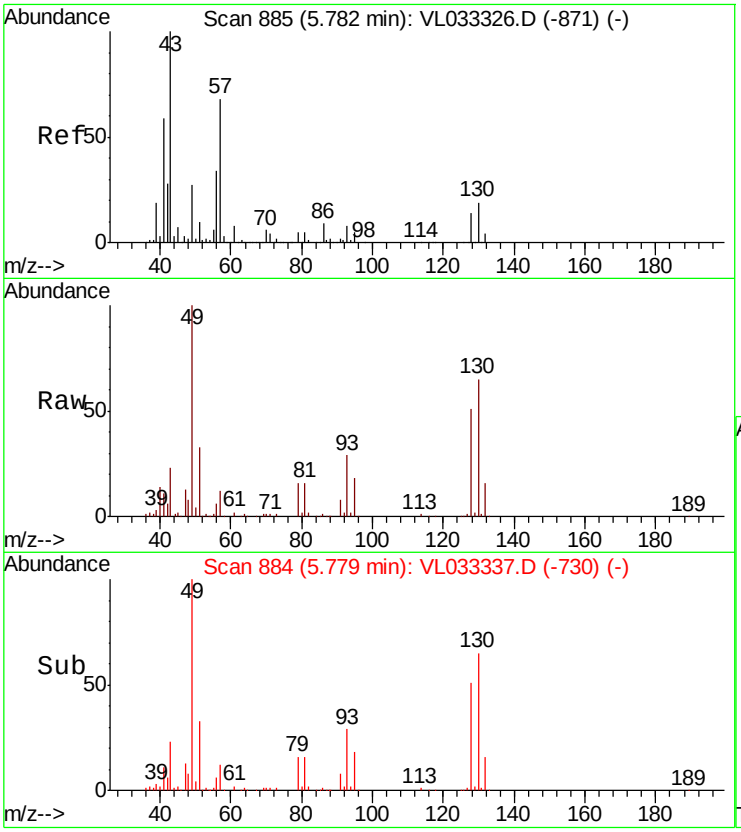


#25
Ethyl Acetate
Concen: 0.413 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 43 Resp: 73451

Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	8.5	7.4	11.2
70	6.3	5.7	8.5



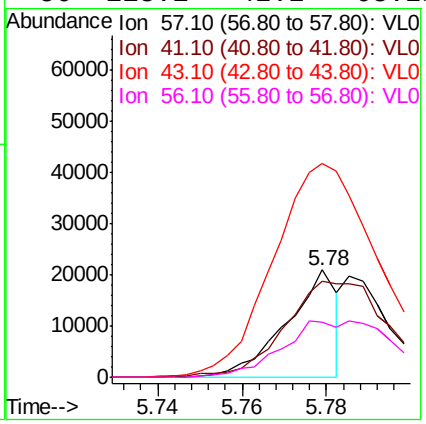


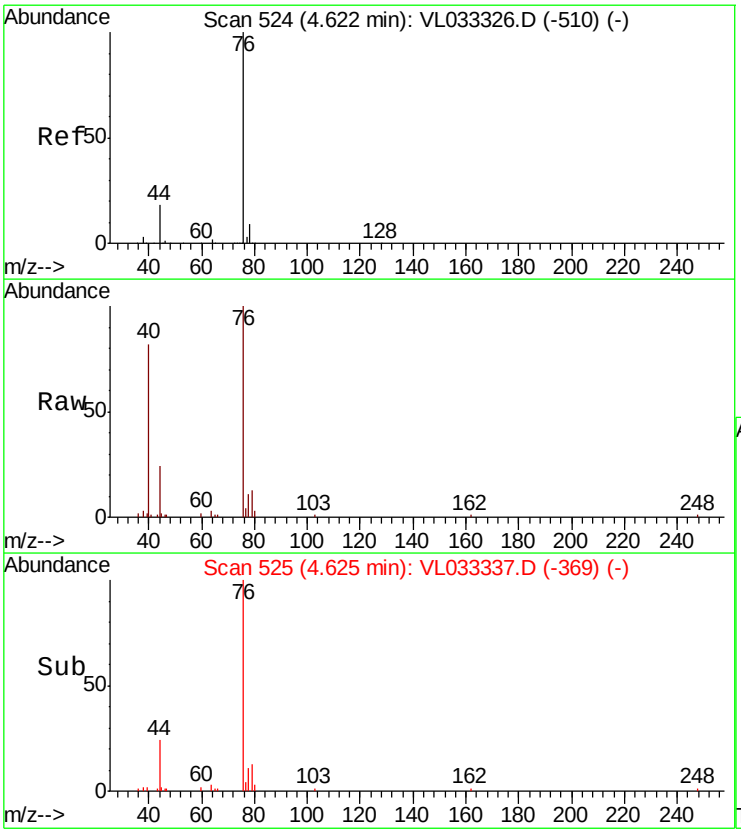
#26
Hexane
Concen: 0.219 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 17456

Ion	Ratio	Lower	Upper
57	100		
41	183.1	70.5	105.7#
43	431.3	181.8	272.8#
56	113.1	42.2	63.2#

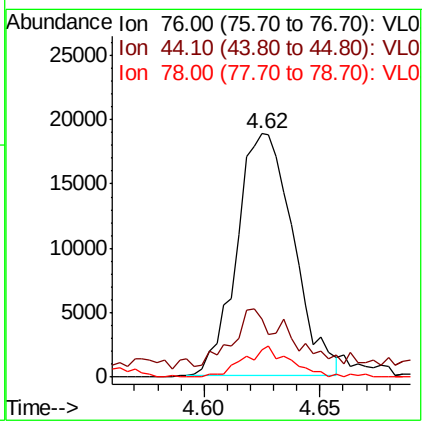


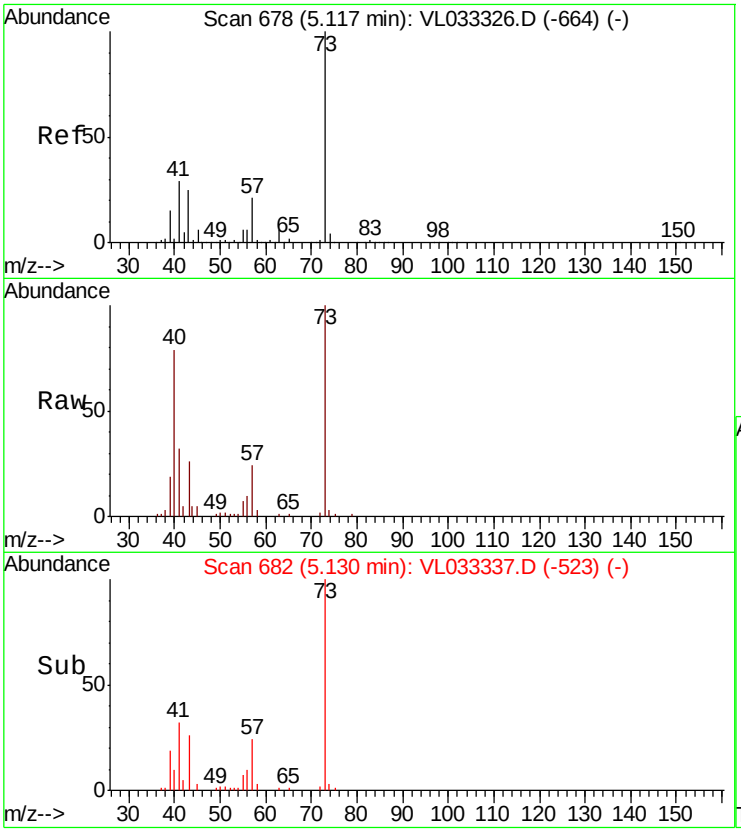


#27
Carbon Disulfide
Concen: 0.347 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 76 Resp: 31785

Ion	Ratio	Lower	Upper
76	100		
44	23.9	15.2	22.8#
78	10.8	7.2	10.8



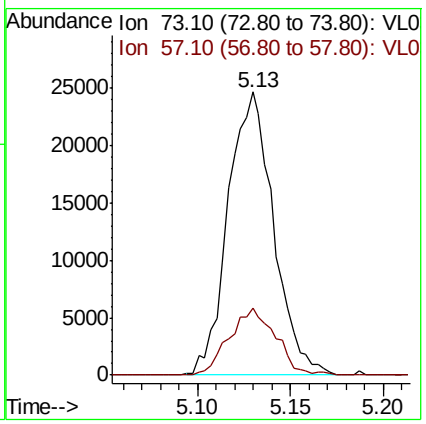


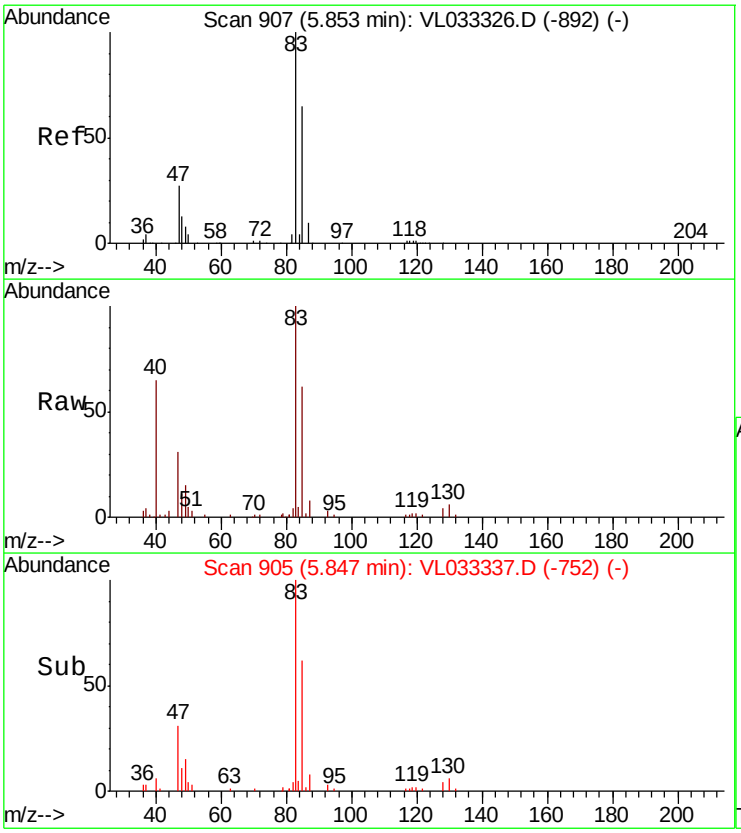
#28
Methyl tert-Butyl Ether
Concen: 0.356 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 42131

Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.4	26.0

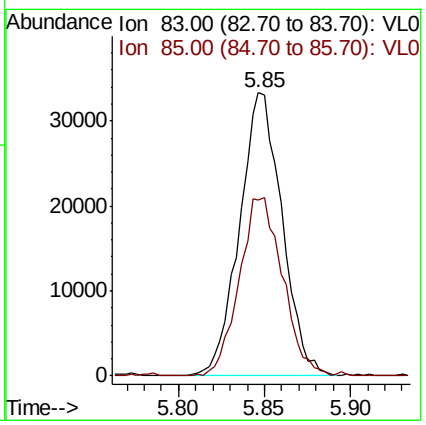


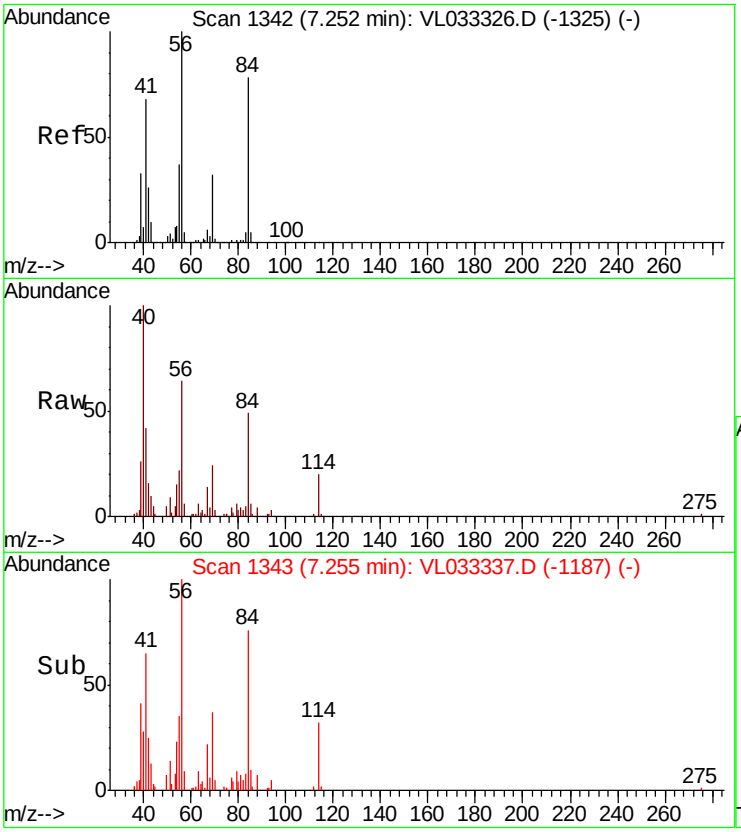


#29
Chloroform
Concen: 0.438 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 83 Resp: 57073

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.0	78.0



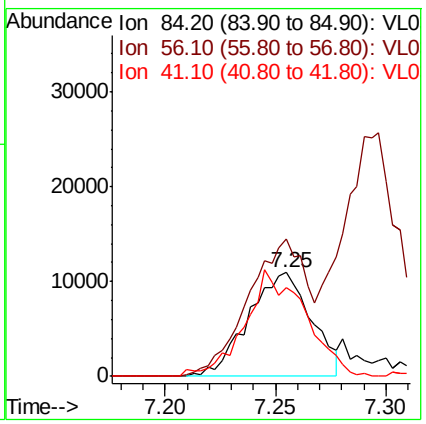


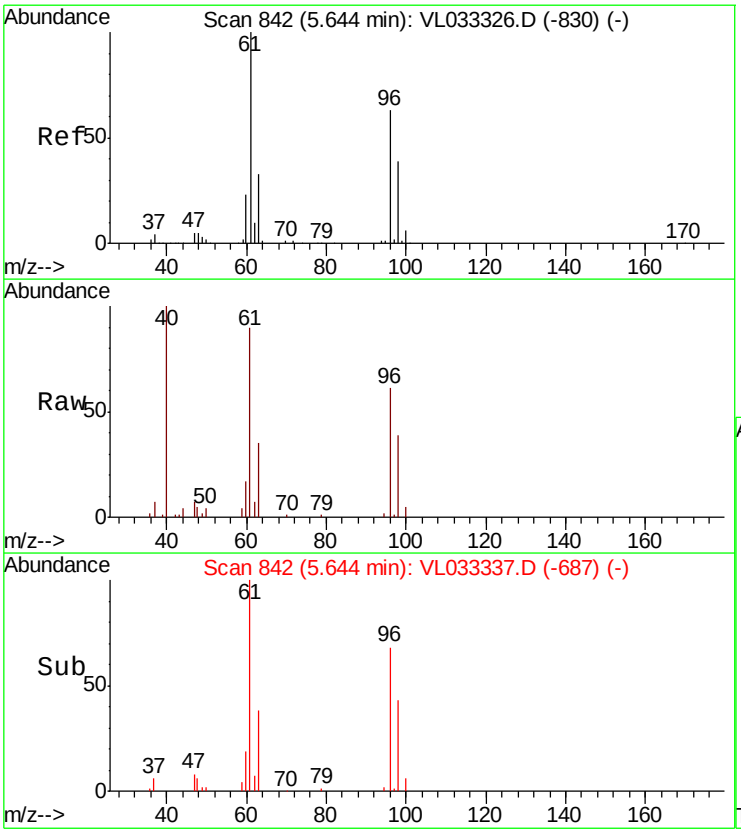
#30
Cyclohexane
Concen: 0.339 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 21609

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.3	166.9#
41	98.3	69.6	104.4

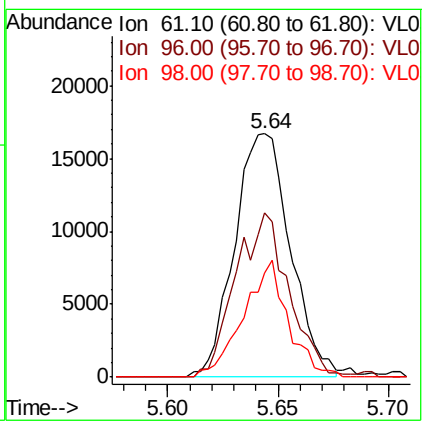


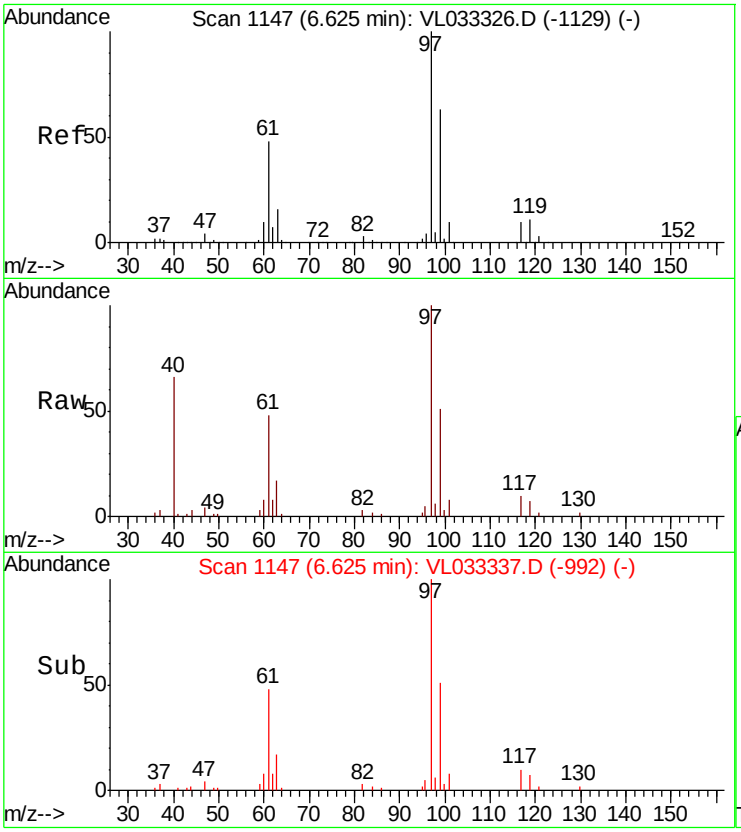


#31
cis-1,2-Dichloroethene
Concen: 0.369 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 61 Resp: 29391

Ion	Ratio	Lower	Upper
61	100		
96	67.6	50.3	75.5
98	42.8	31.5	47.3



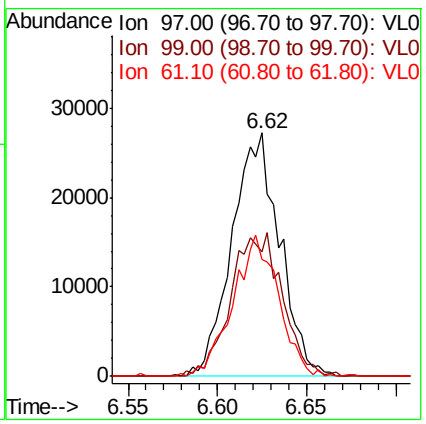


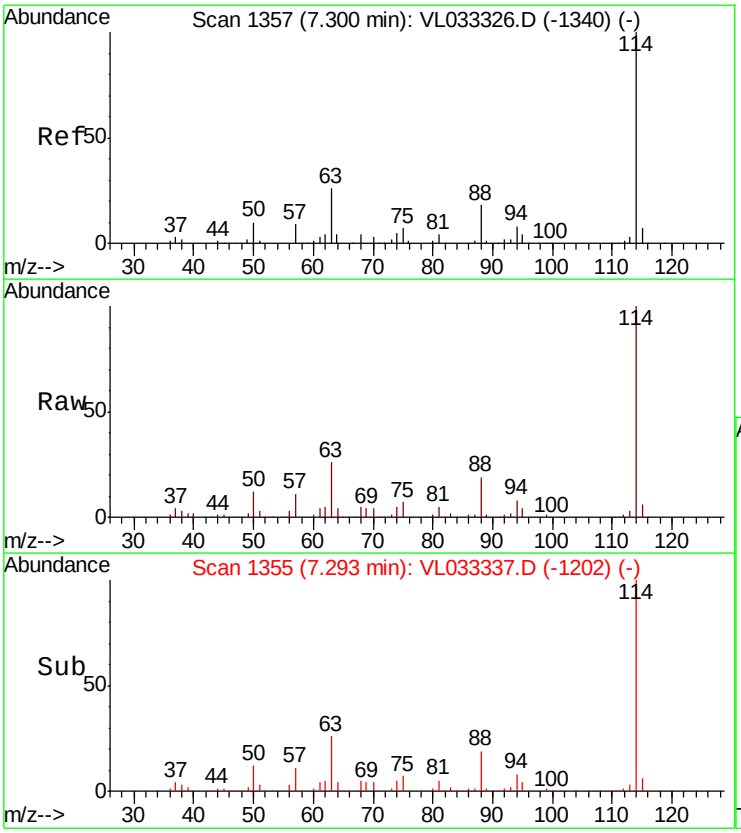
#32
1,1,1-Trichloroethane
Concen: 0.396 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 50626

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	55.2	39.3	58.9

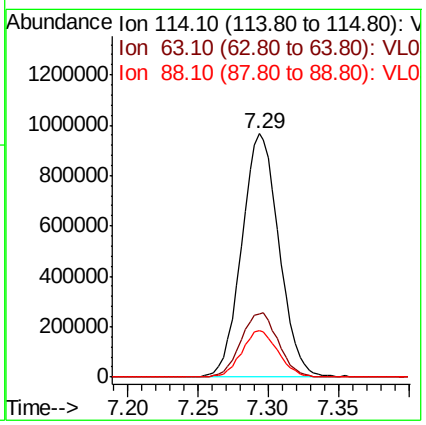


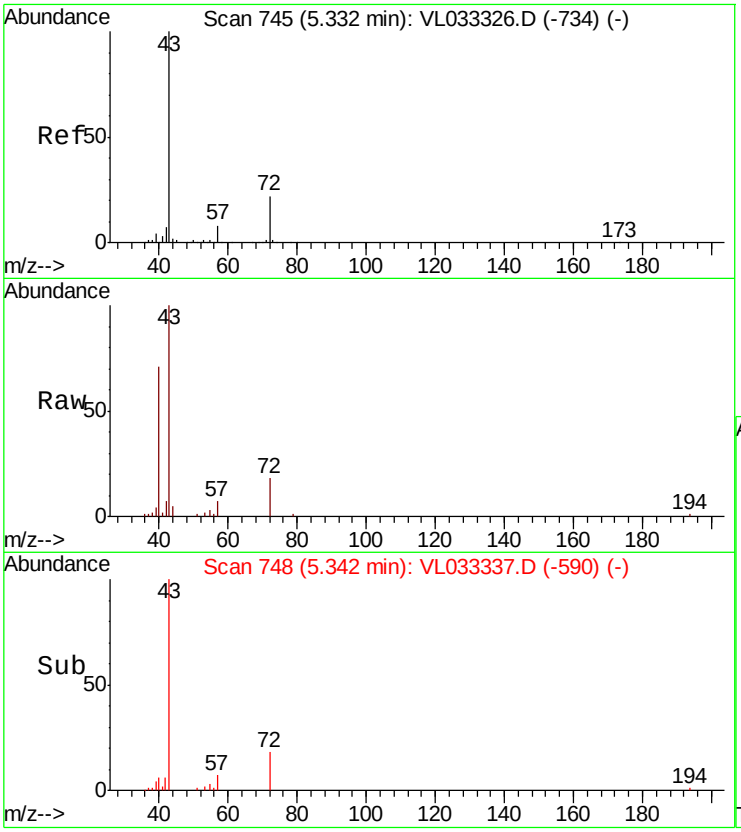


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:114 Resp: 1784290

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.4	32.2
88	18.6	14.5	21.7

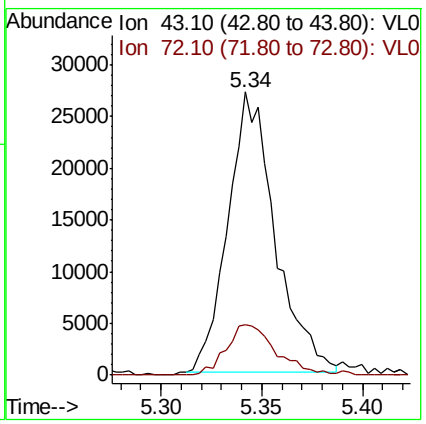




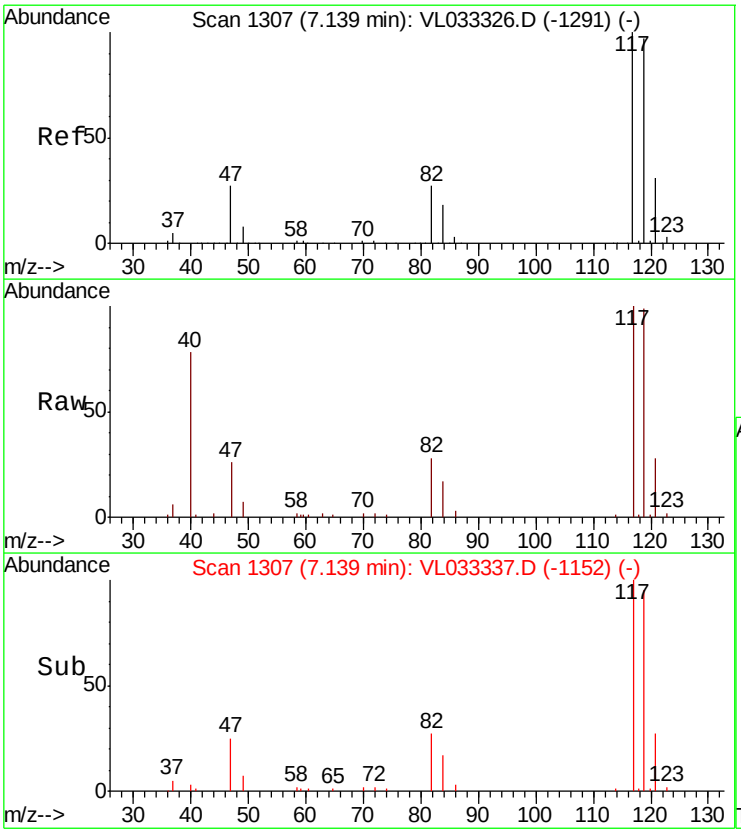
#34
2-Butanone
Concen: 0.380 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 43 Resp: 44473

Ion	Ratio	Lower	Upper
43	100		
72	19.2	17.7	26.5



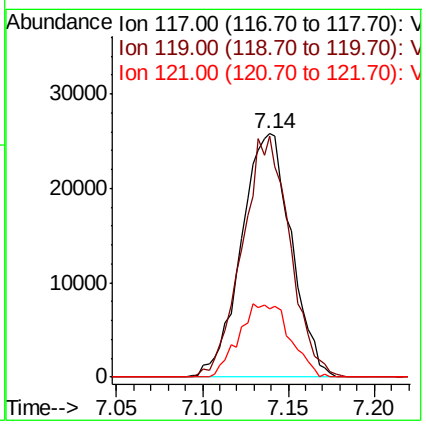
Instrument :
MSVOA_L
ClientSampleId :

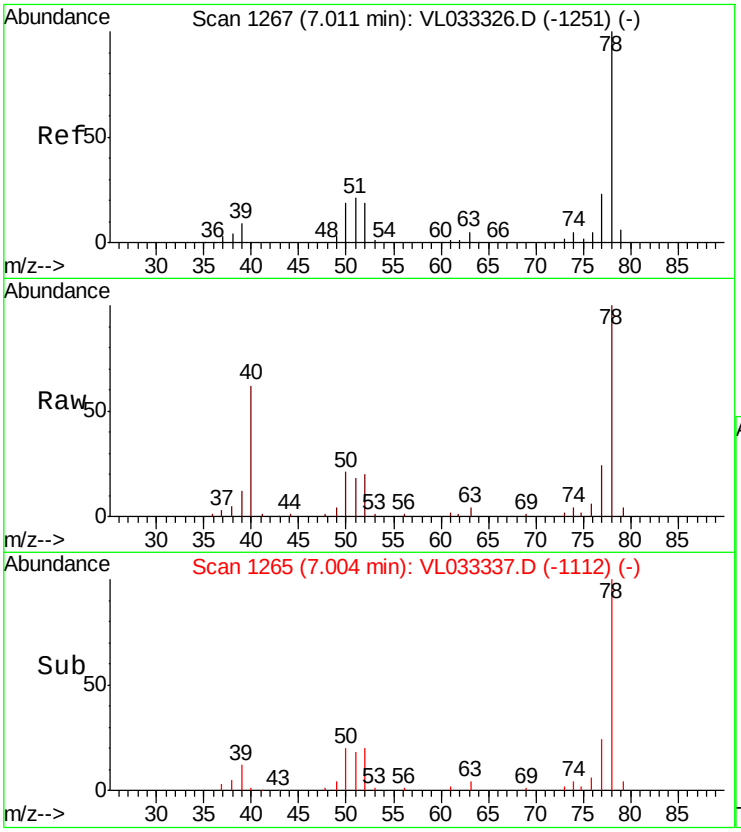


#35
Carbon Tetrachloride
Concen: 0.413 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:117 Resp: 51939

Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.4	116.0
121	28.2	24.9	37.3



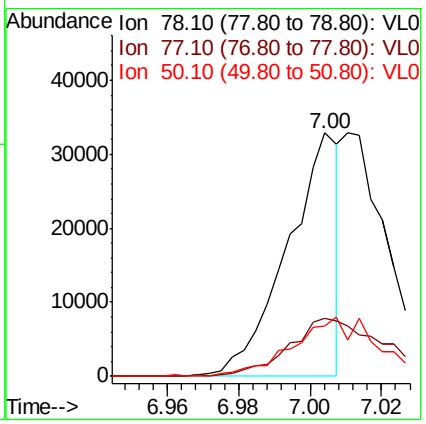


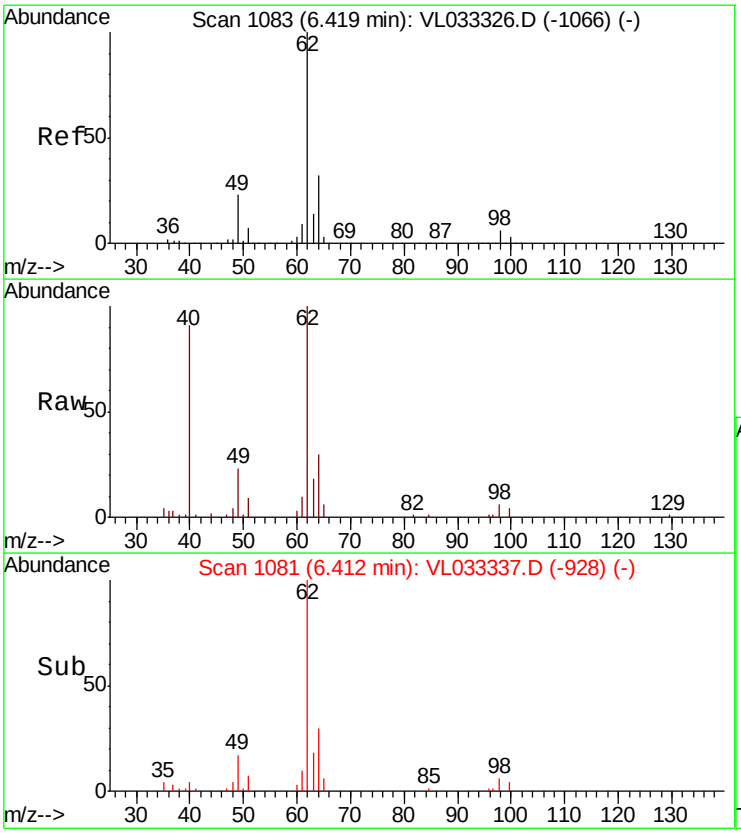
#36
Benzene
Concen: 0.206 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 32818

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.1	27.1
50	20.8	15.2	22.8

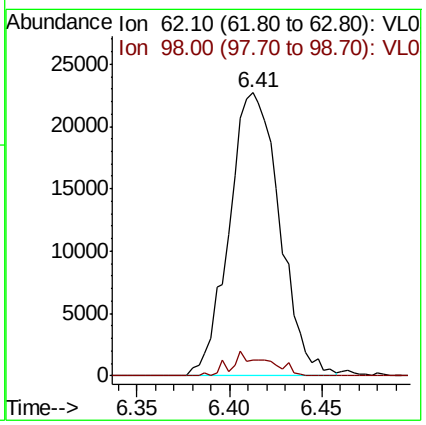


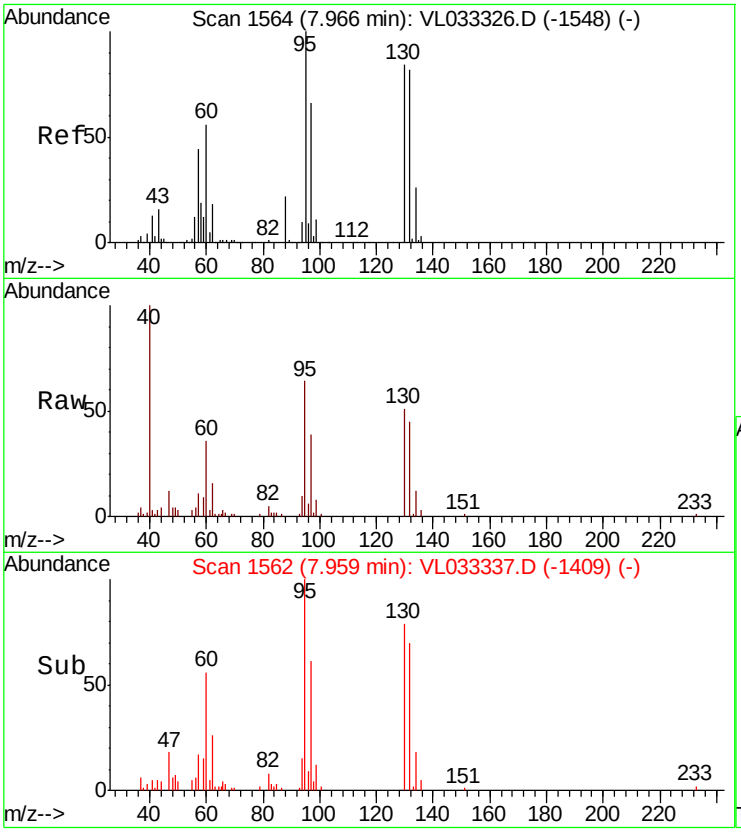


#37
1,2-Dichloroethane
Concen: 0.425 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 62 Resp: 42953

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.5	6.7



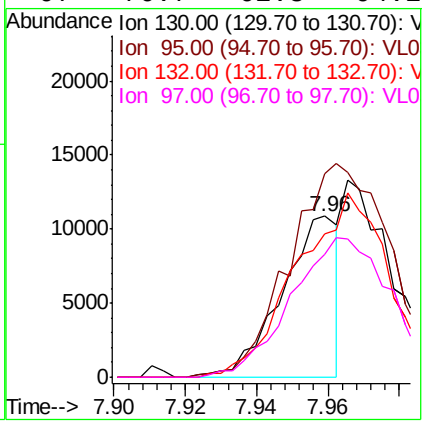


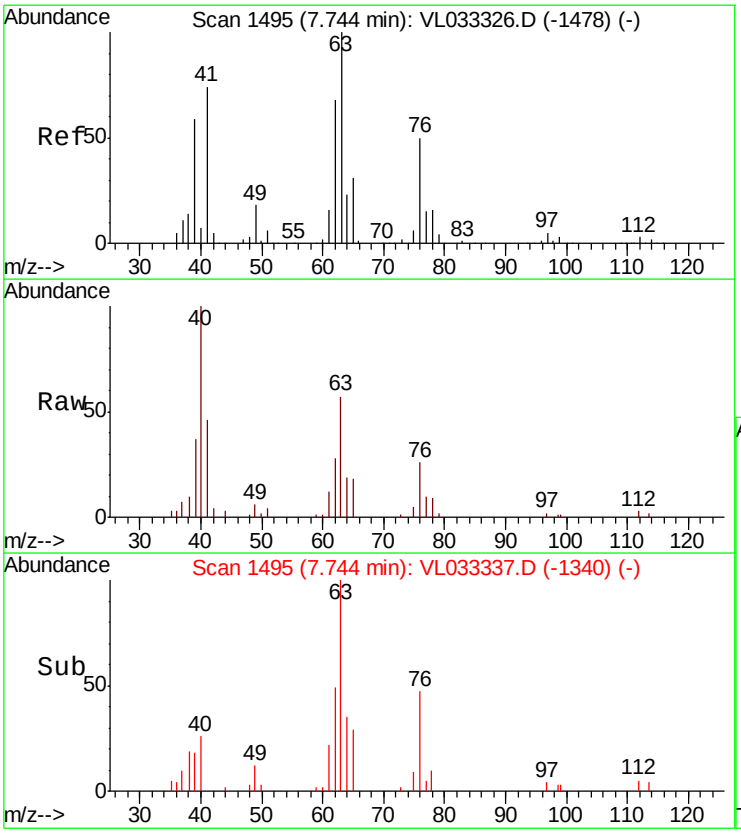
#38
Trichloroethene
Concen: 0.196 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 11851

Ion	Ratio	Lower	Upper
130	100		
95	126.5	95.2	142.8
132	89.0	77.7	116.5
97	76.7	62.8	94.2

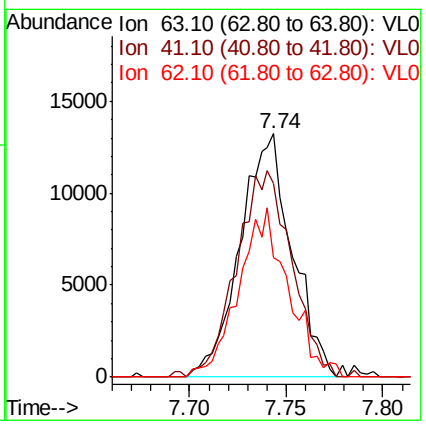


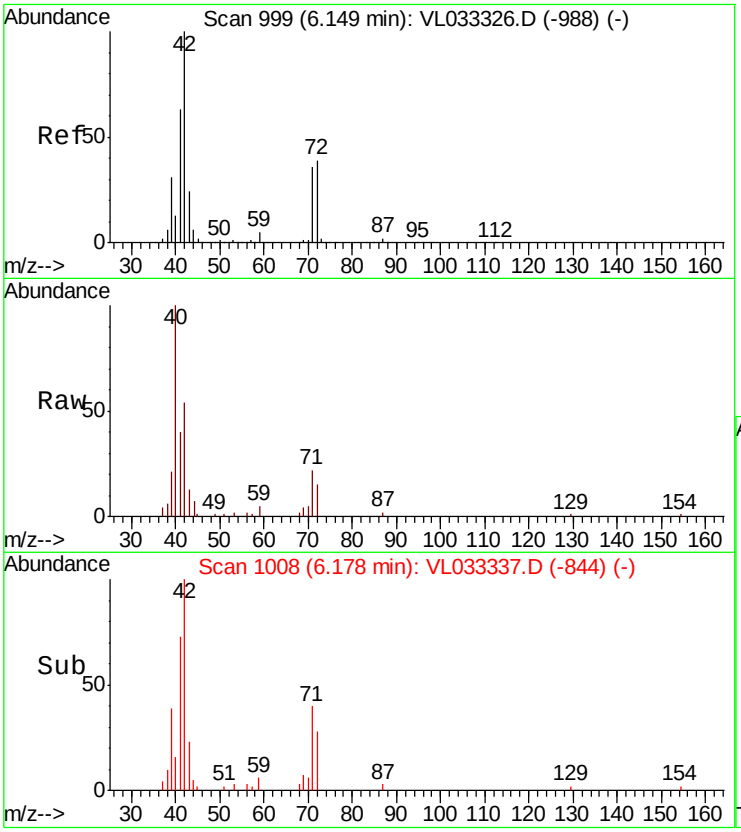


#39
1,2-Dichloropropane
Concen: 0.414 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 63 Resp: 24749

Ion	Ratio	Lower	Upper
63	100		
41	79.4	59.5	89.3
62	48.9	54.7	82.1#



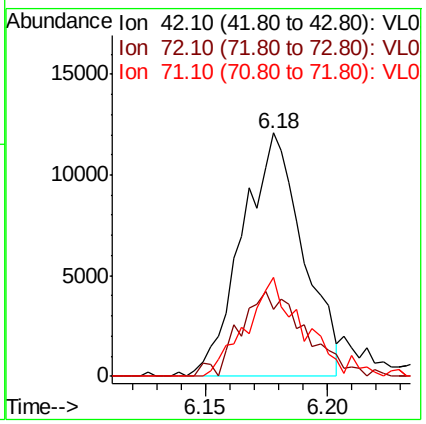


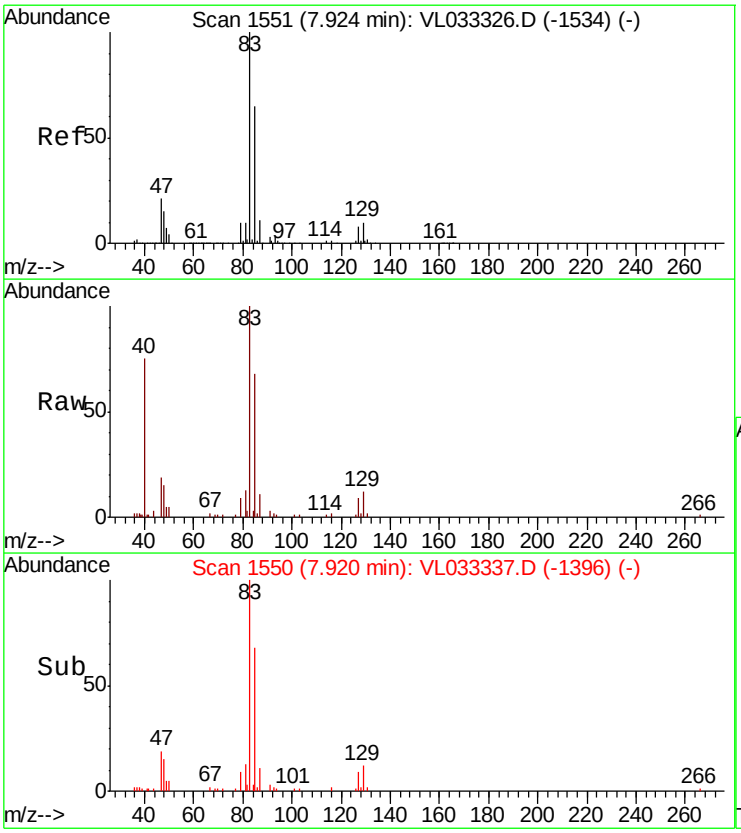
#41
Tetrahydrofuran
Concen: 0.334 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. 0.03 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 20917

Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.6	47.4
71	38.8	29.9	44.9

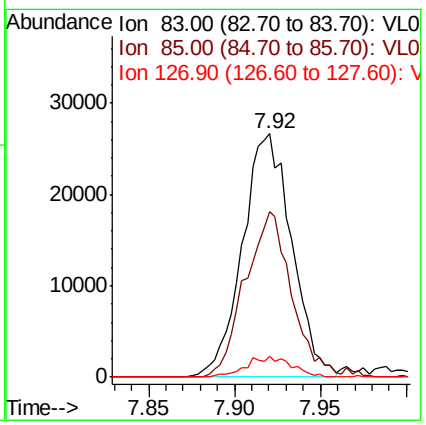


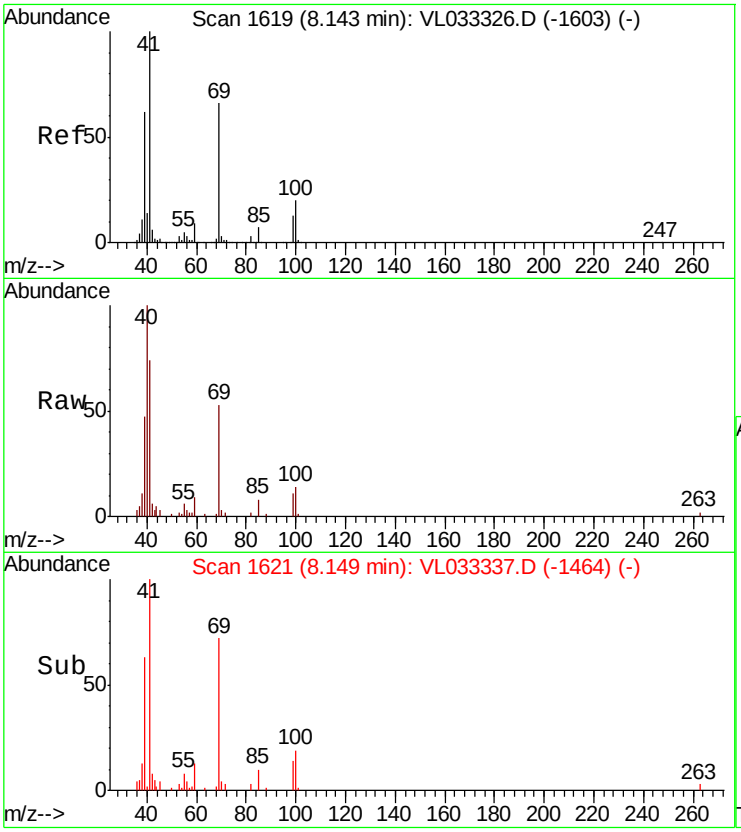


#42
Bromodichloromethane
Concen: 0.391 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 83 Resp: 52915

Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.8	77.6
127	8.6	6.2	9.2



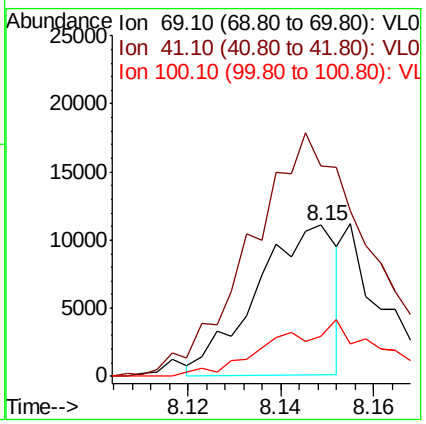


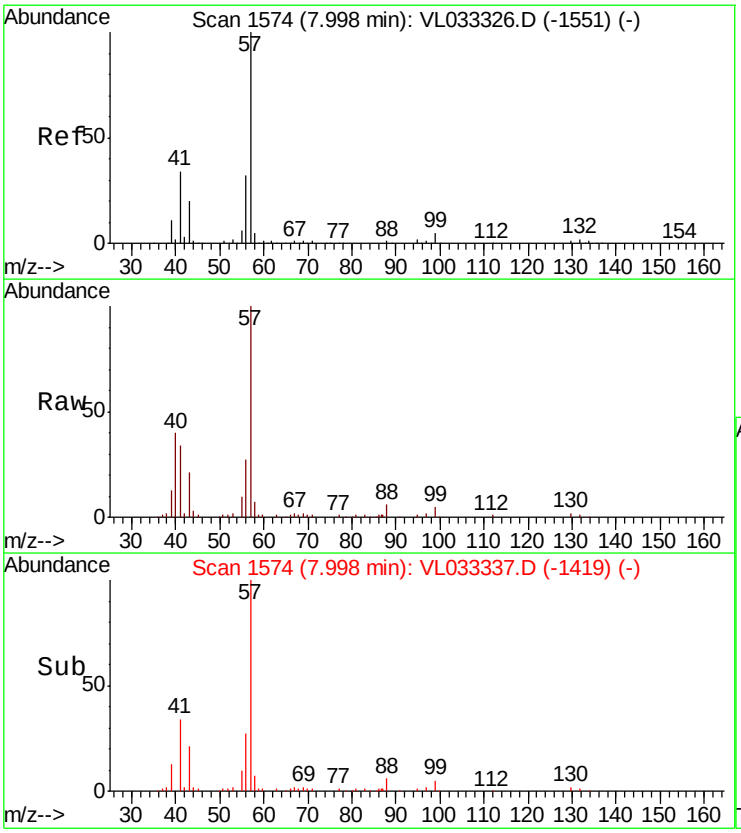
#43
Methyl Methacrylate
Concen: 0.213 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 13264

Ion	Ratio	Lower	Upper
69	100		
41	248.0	119.5	179.3#
100	0.0	24.4	36.6#

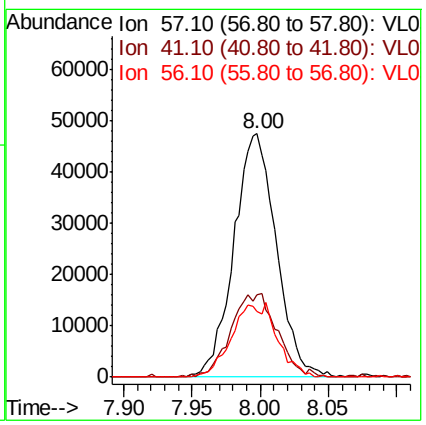


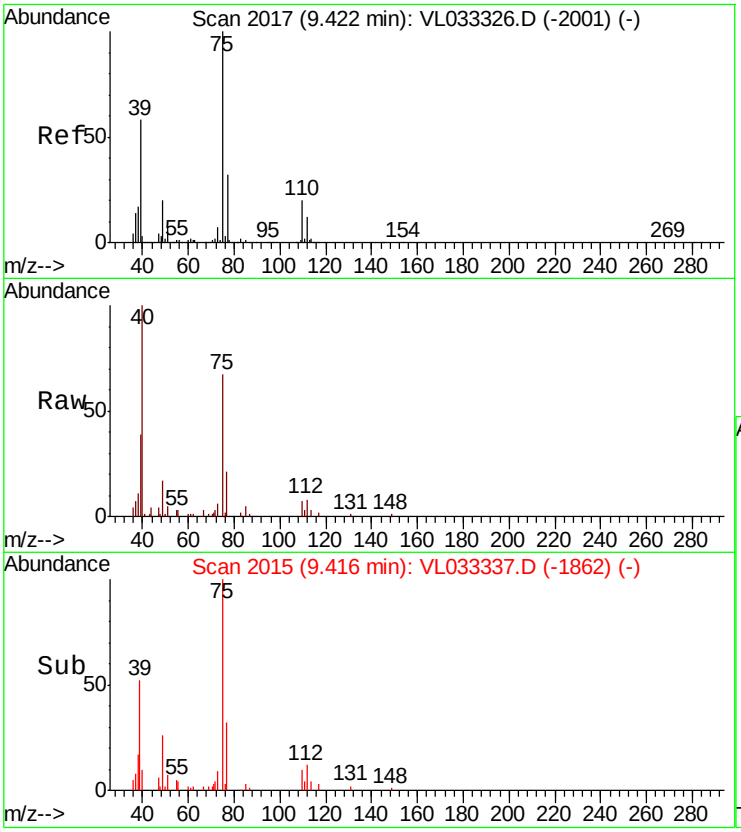


#44
2,2,4-Trimethylpentane
Concen: 0.389 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 57 Resp: 102836

Ion	Ratio	Lower	Upper
57	100		
41	37.4	26.0	39.0
56	32.3	24.6	36.8



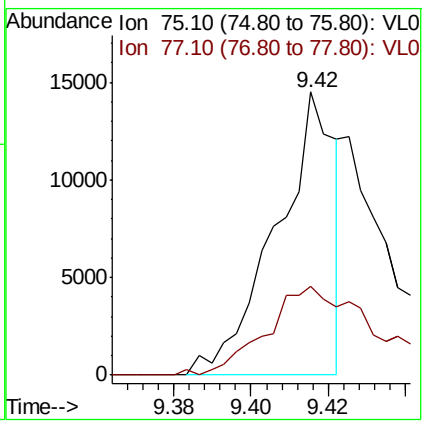


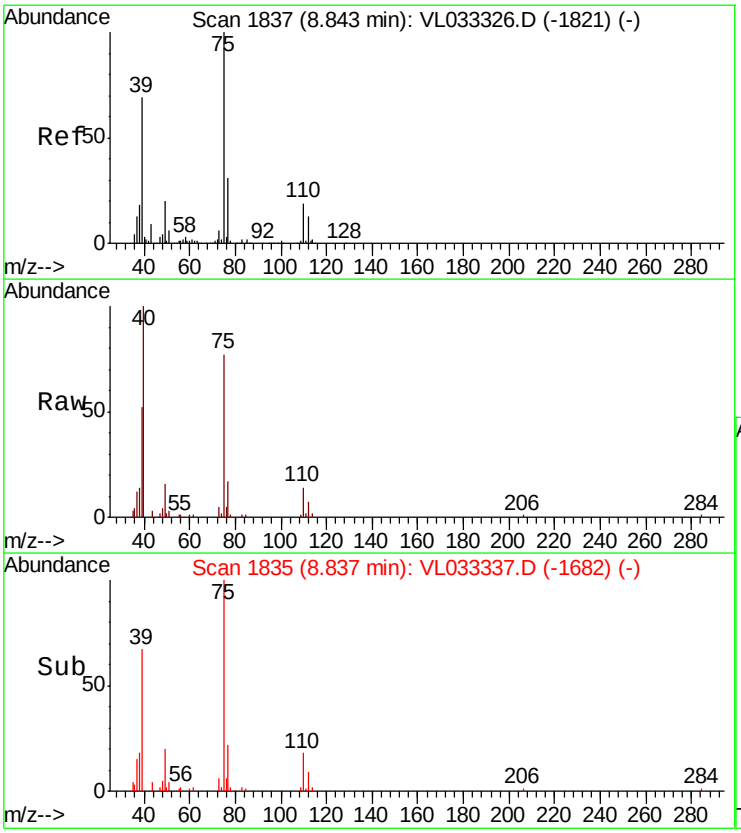
#45
t-1,3-Dichloropropene
Concen: 0.200 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 15334

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

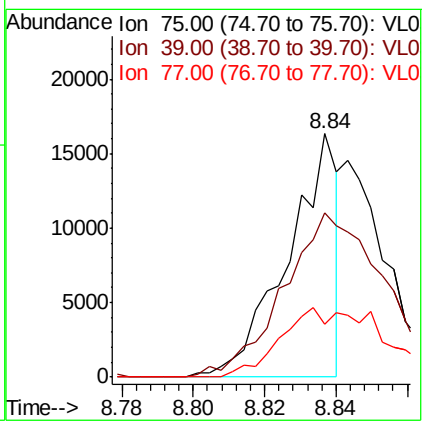


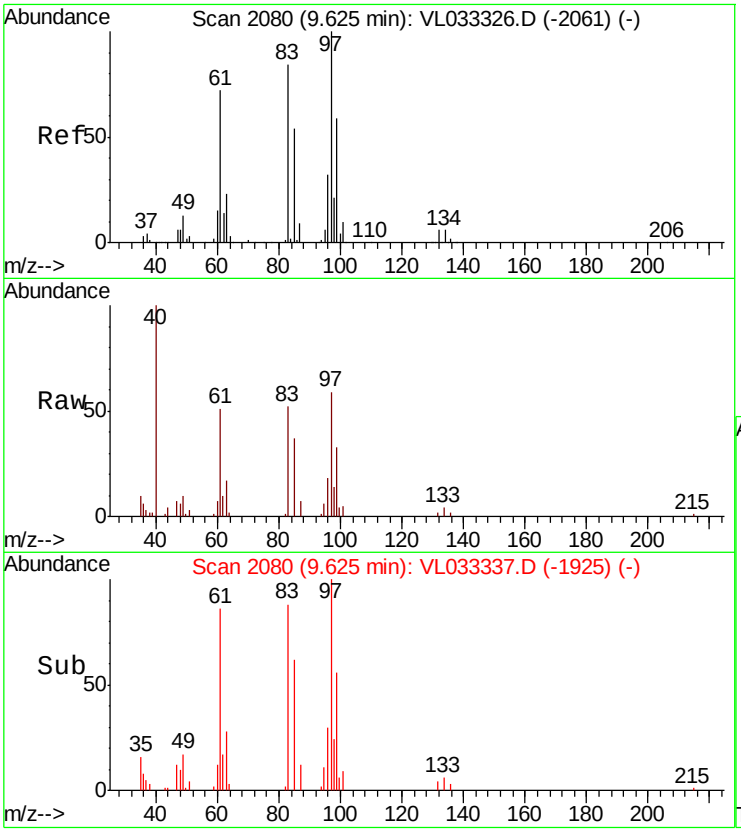


#46
cis-1,3-Dichloropropene
Concen: 0.175 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 75 Resp: 15844

Ion	Ratio	Lower	Upper
75	100		
39	67.2	55.0	82.6
77	21.7	24.5	36.7#



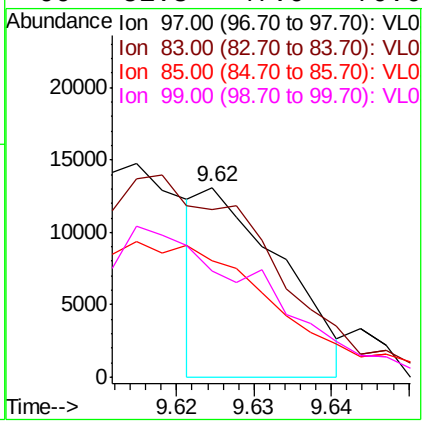


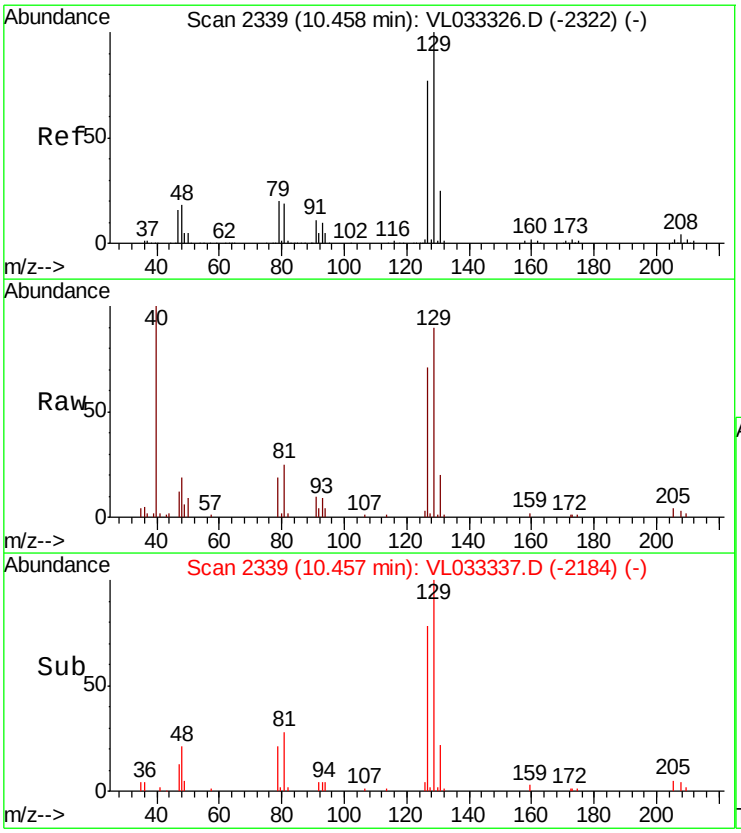
#47
1,1,2-Trichloroethane
Concen: 0.144 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 9521

Ion	Ratio	Lower	Upper
97	100		
83	76.9	67.4	101.0
85	54.8	43.0	64.4
99	51.3	47.0	70.6

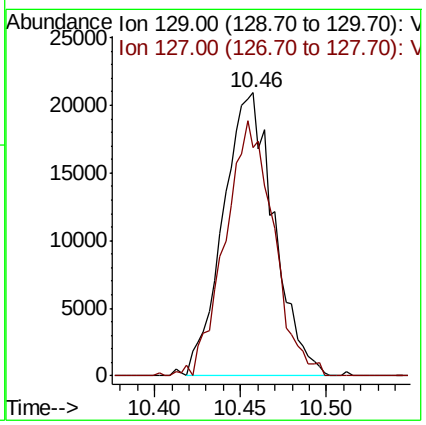


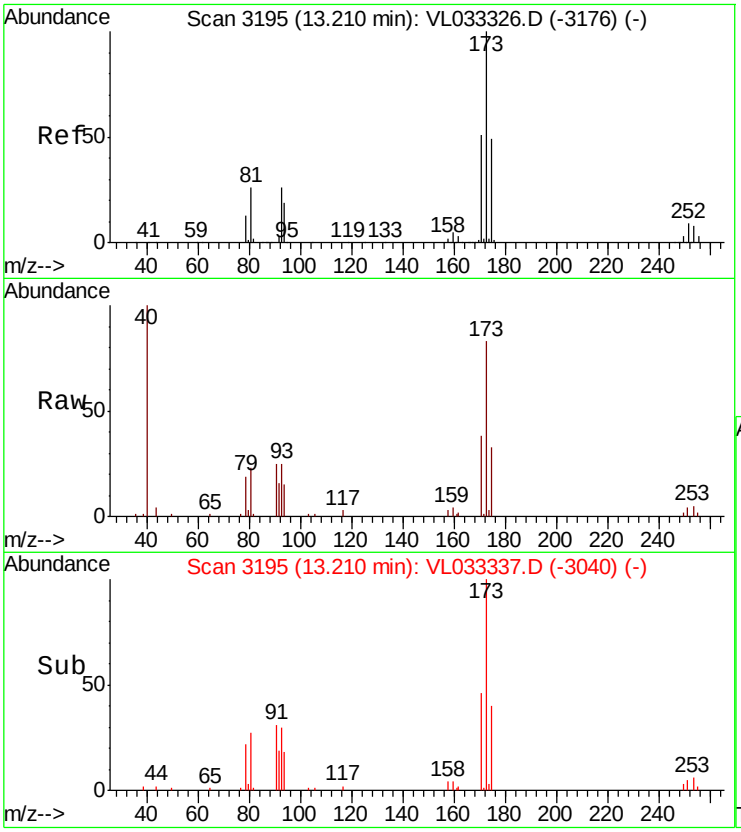


#48
Dibromochloromethane
Concen: 0.390 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:129 Resp: 43210

Ion	Ratio	Lower	Upper
129	100		
127	85.5	38.9	116.6



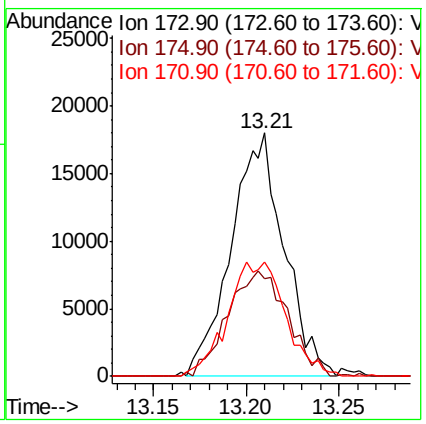


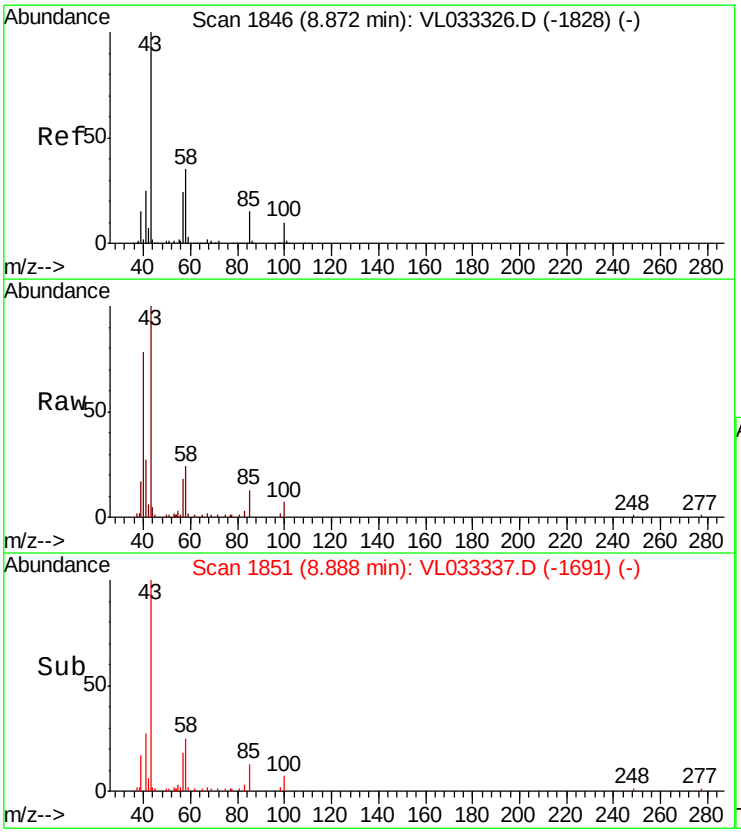
#49
Bromoform
Concen: 0.340 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 35775

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.0	58.6
171	51.4	41.7	62.5

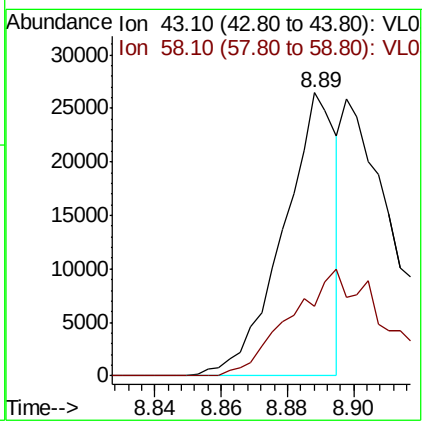


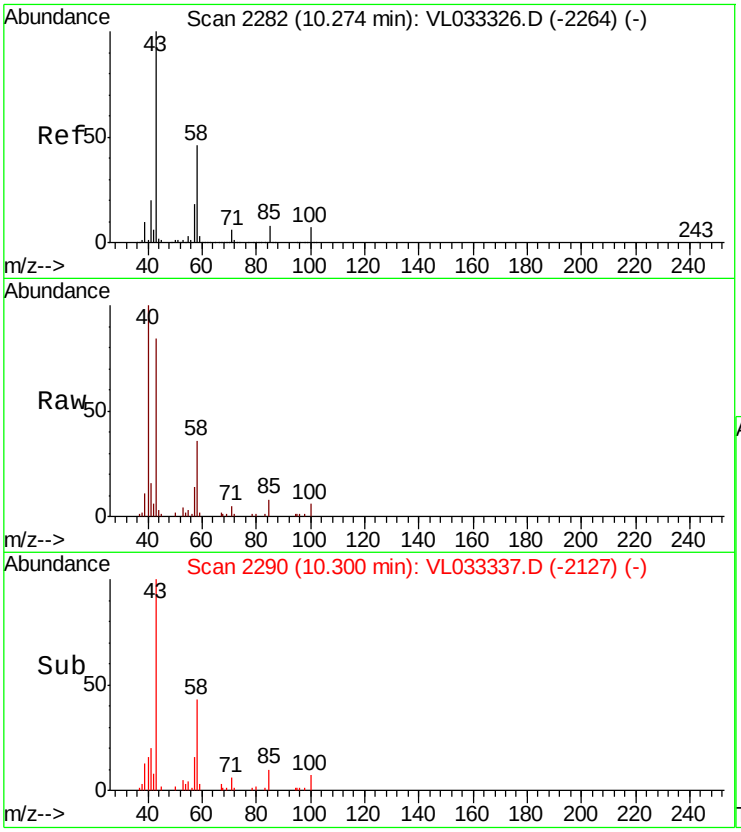


#50
4-Methyl-2-Pentanone
Concen: 0.177 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.02 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 43 Resp: 29231

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



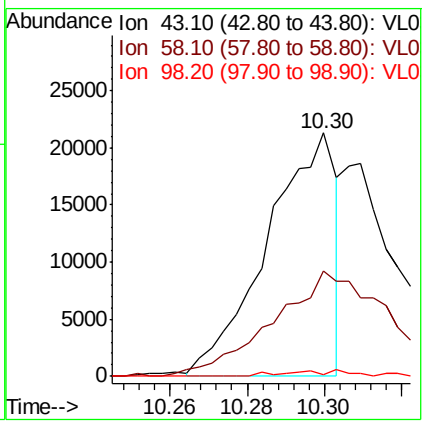


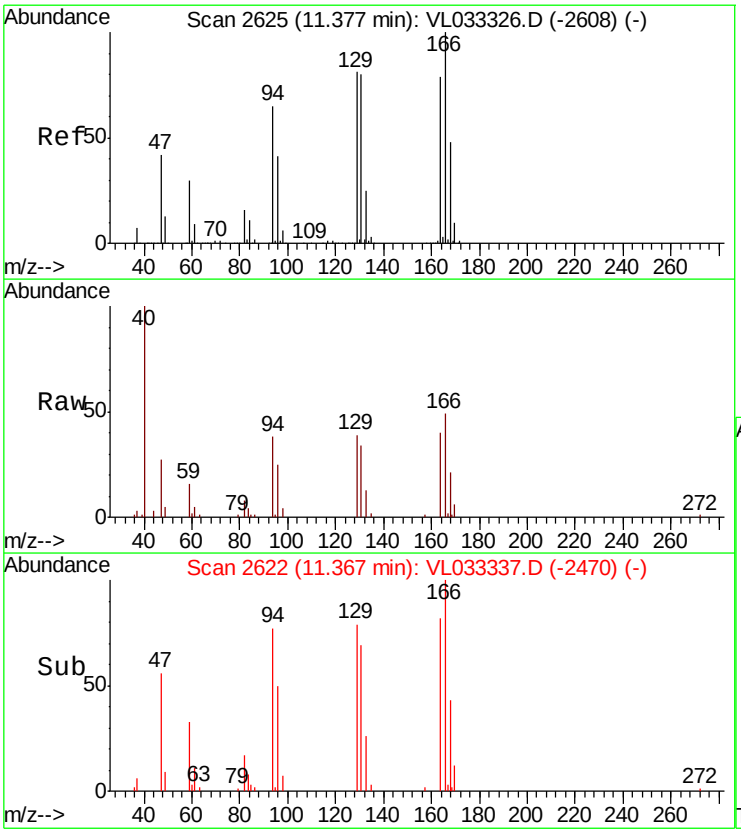
#51
2-Hexanone
Concen: 0.206 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.03 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 26319

Ion	Ratio	Lower	Upper
43	100		
58	82.1	38.0	57.0#
98	2.6	0.1	0.1#

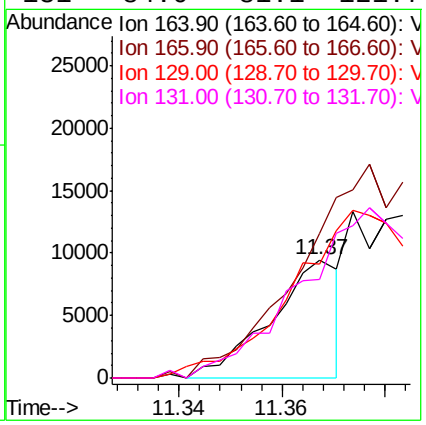


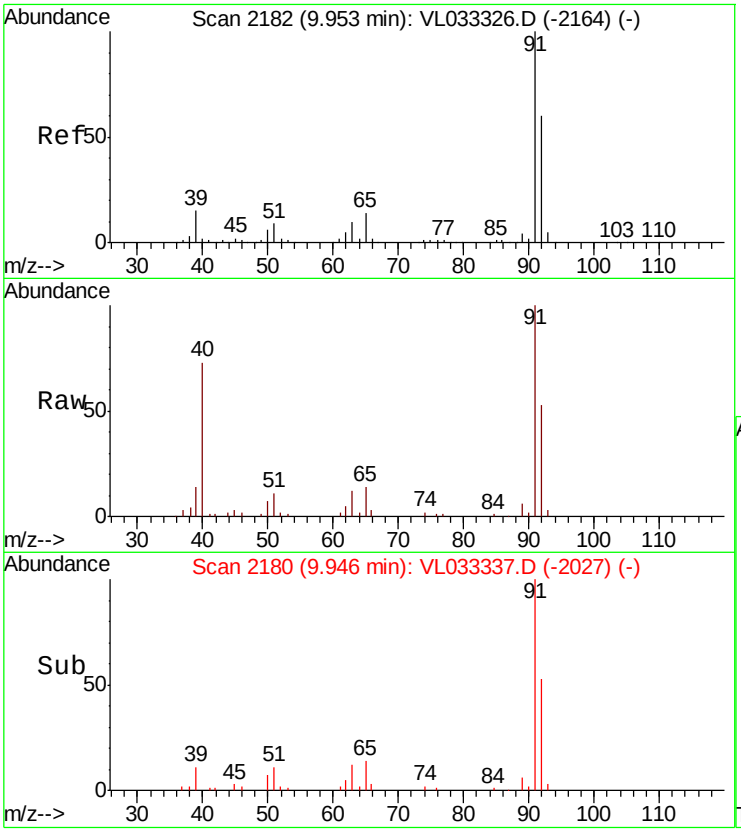


#52
Tetrachloroethene
Concen: 0.130 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:164 Resp: 8657

Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.5	152.3
129	86.2	82.2	123.2
131	84.0	81.1	121.7



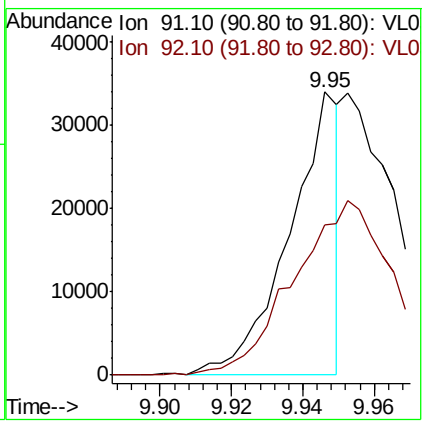


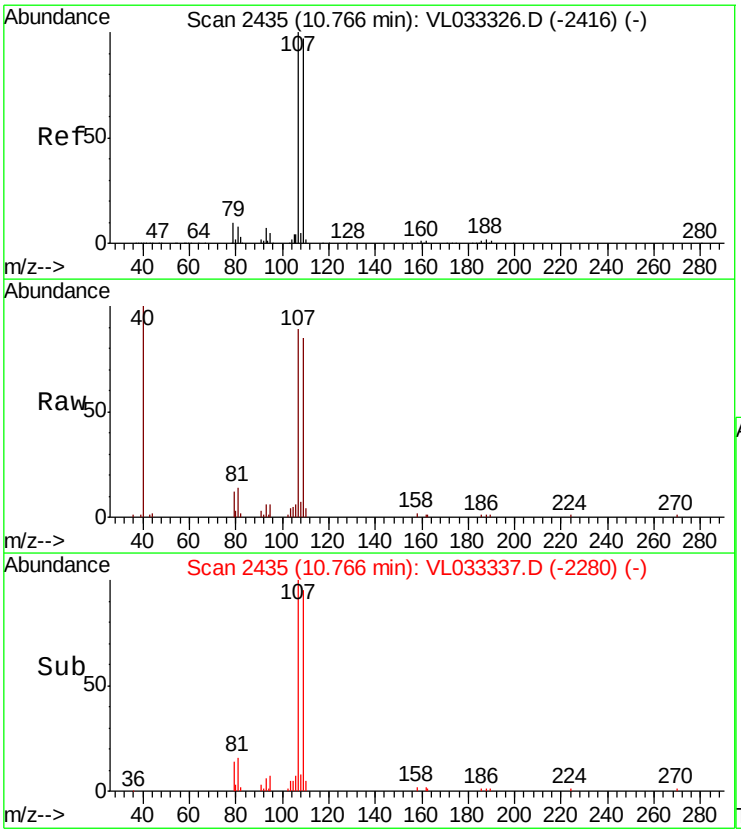
#53
Toluene
Concen: 0.180 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 32683

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

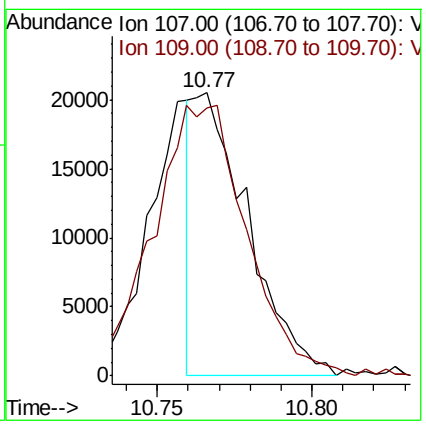


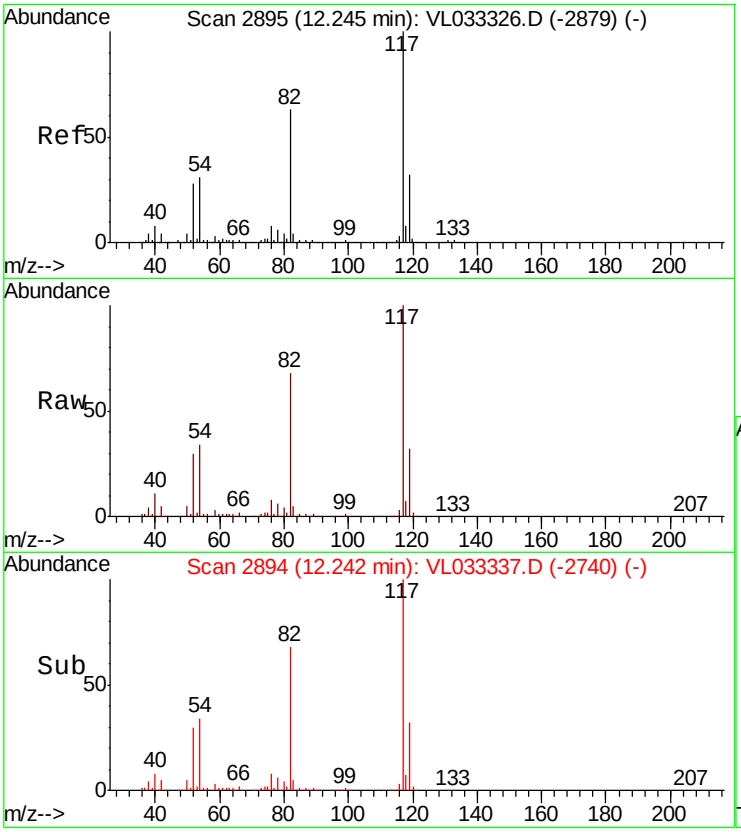


#54
1,2-Dibromoethane
Concen: 0.224 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:107 Resp: 25051

Ion	Ratio	Lower	Upper
107	100		
109	91.7	77.2	115.8



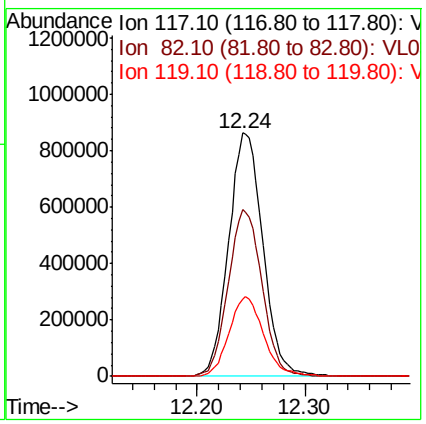


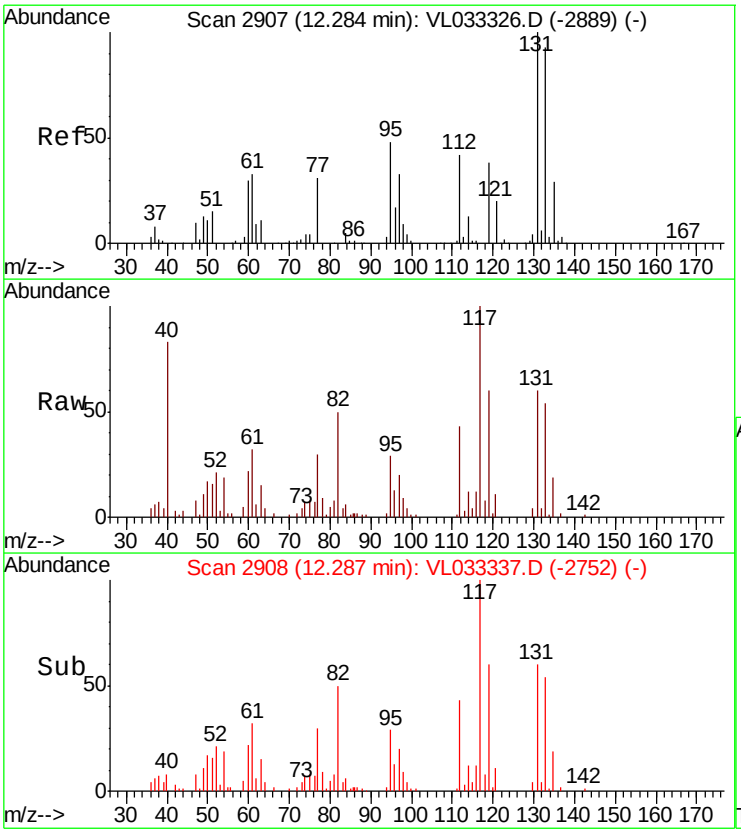
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1907396

Ion	Ratio	Lower	Upper
117	100		
82	67.7	53.4	80.2
119	33.1	27.3	40.9

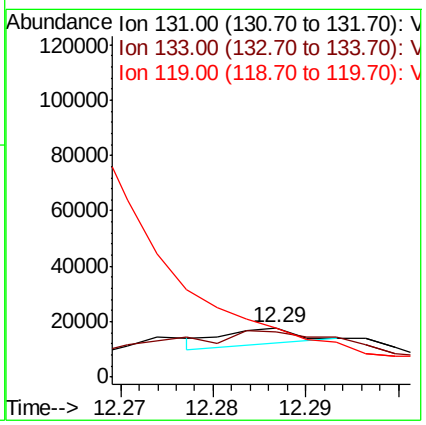


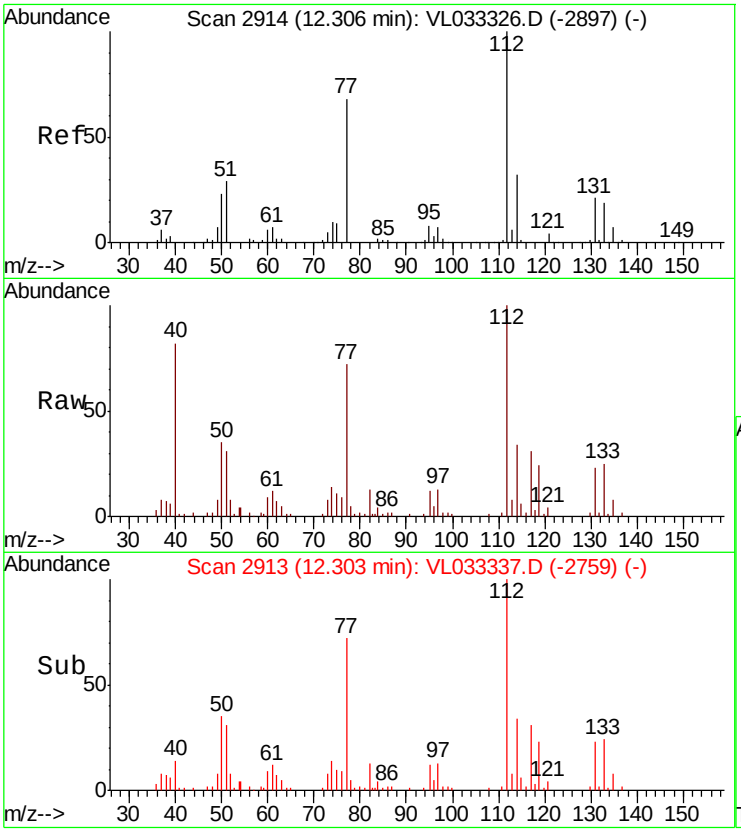


#56
1,1,1,2-Tetrachloroethane
Concen: 0.039 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:131 Resp: 3294

Ion	Ratio	Lower	Upper
131	100		
133	1108.4	76.7	115.1#
119	0.0	40.3	60.5#



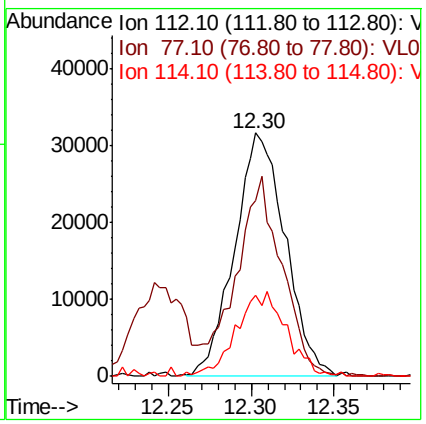


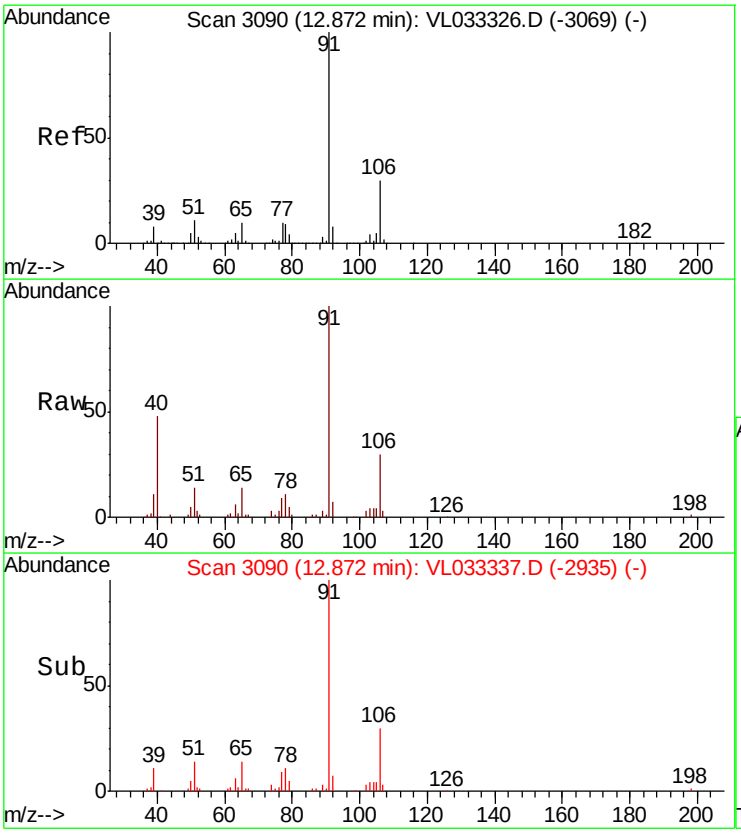
#57
Chlorobenzene
Concen: 0.443 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 66991

Ion	Ratio	Lower	Upper
112	100		
77	71.2	55.8	83.6
114	32.8	28.6	35.0

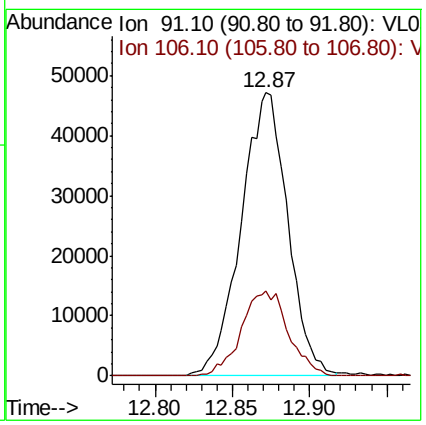


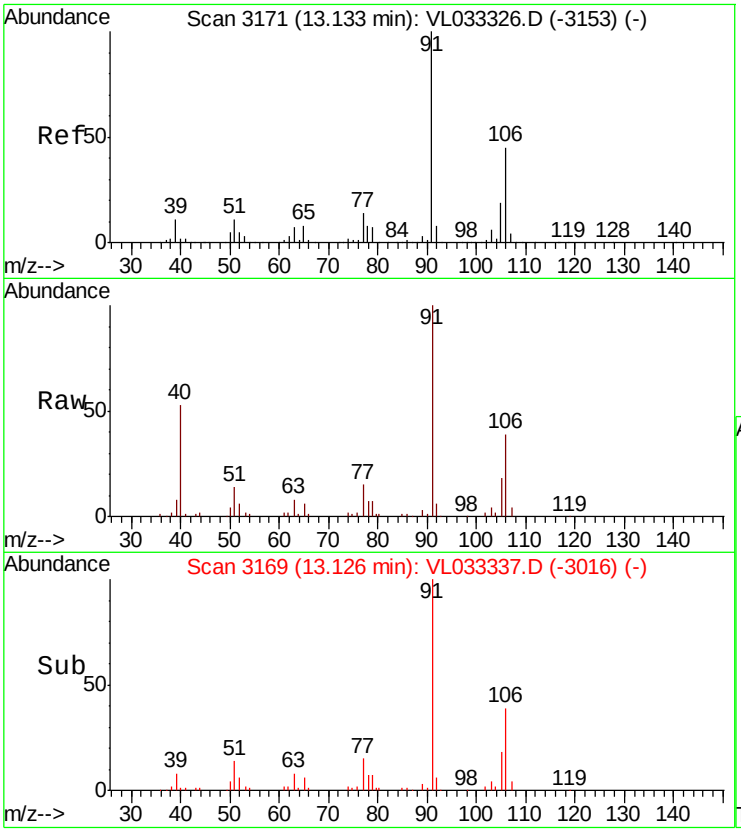


#58
Ethyl Benzene
Concen: 0.367 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 91 Resp: 98989

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



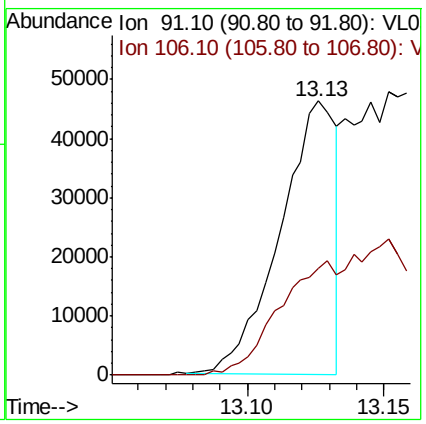


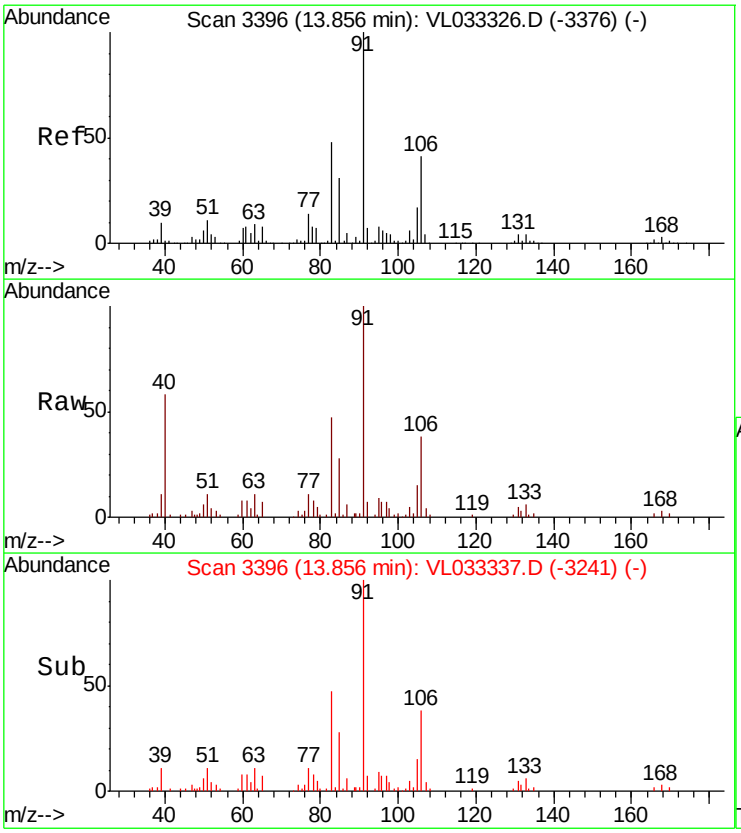
#59
m/p-Xylene
Concen: 0.284 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 65851

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

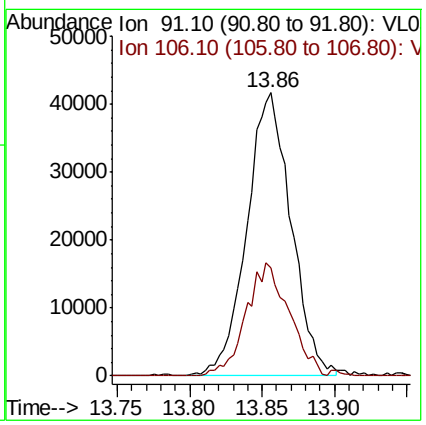


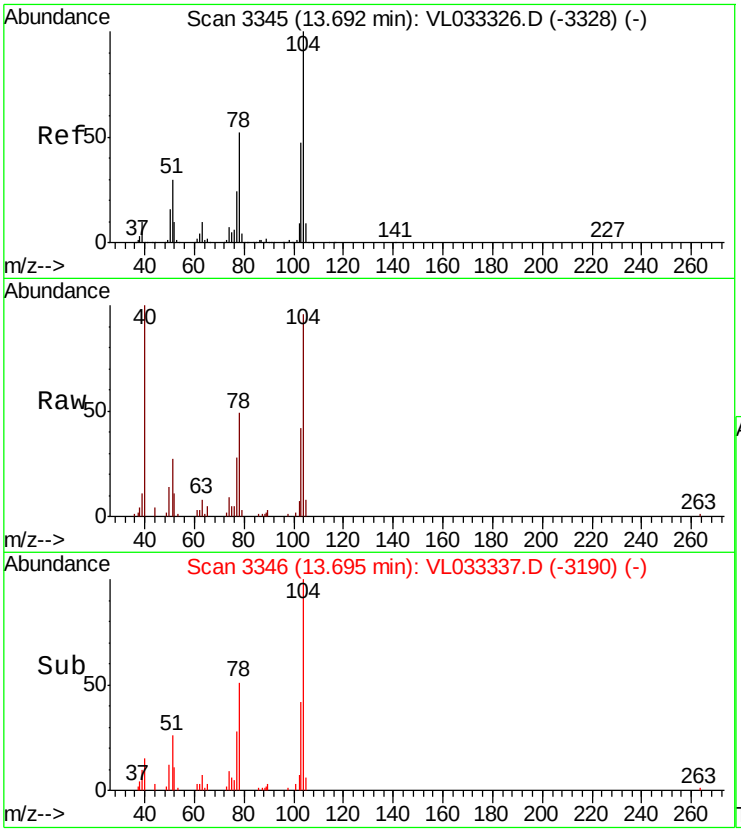


#60
o-Xylene
Concen: 0.391 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 91 Resp: 88543

Ion	Ratio	Lower	Upper
91	100		
106	39.1	21.3	63.9



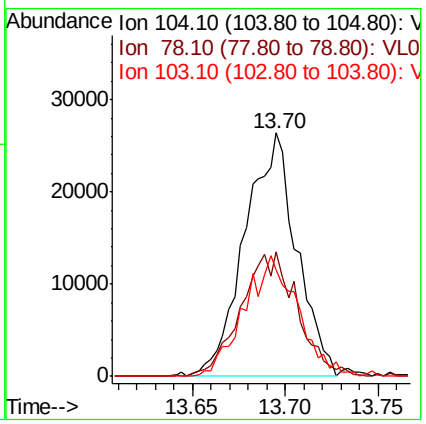


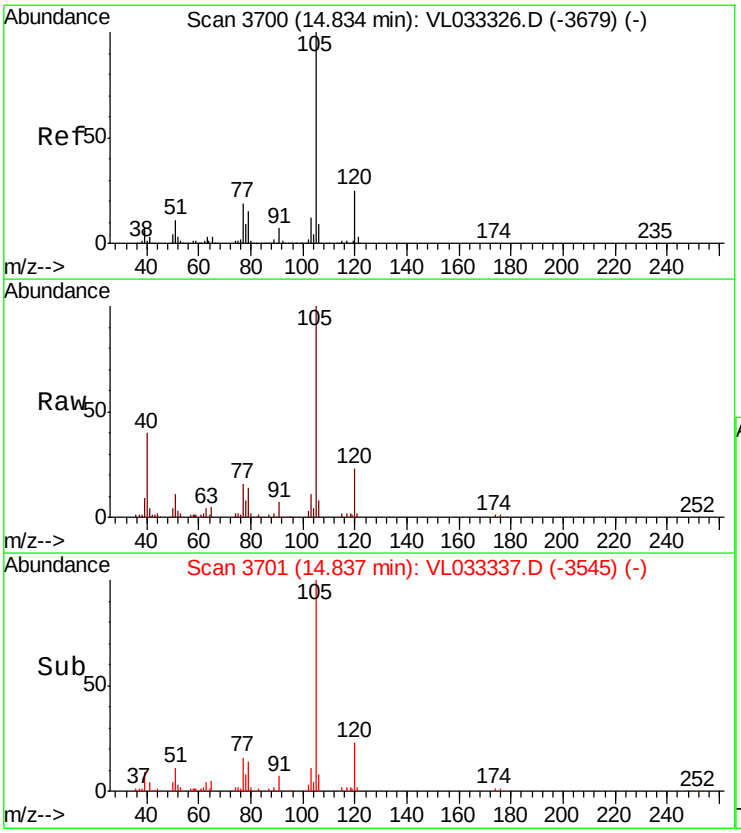
#61
Styrene
Concen: 0.322 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 51059

Ion	Ratio	Lower	Upper
104	100		
78	55.6	42.7	64.1
103	51.8	38.0	57.0

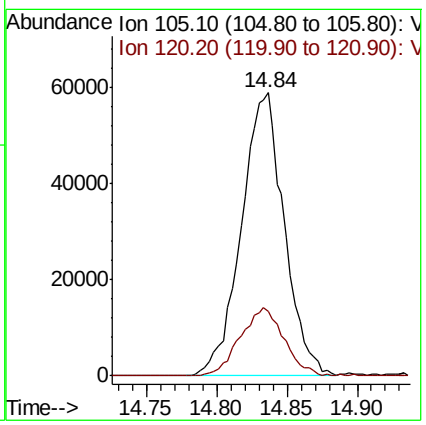


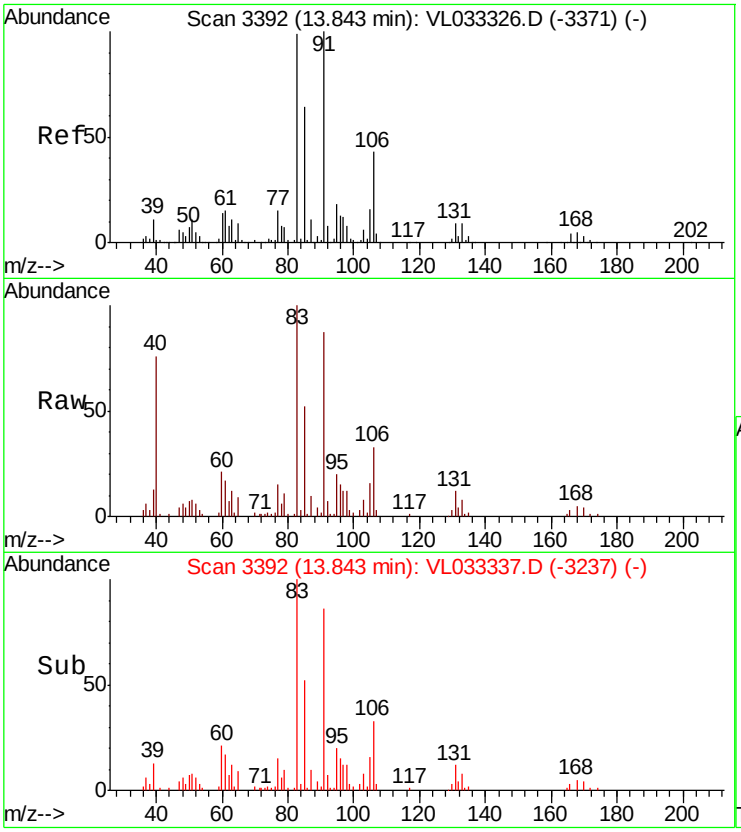


#62
Isopropylbenzene
Concen: 0.398 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:105 Resp: 125119

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9



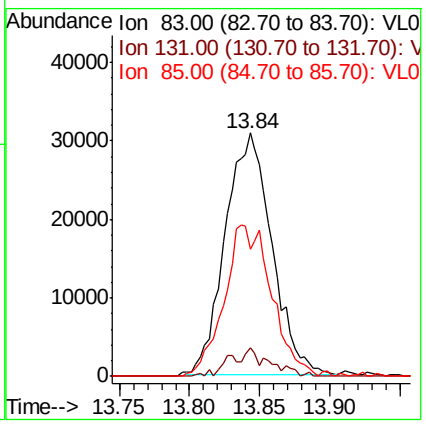


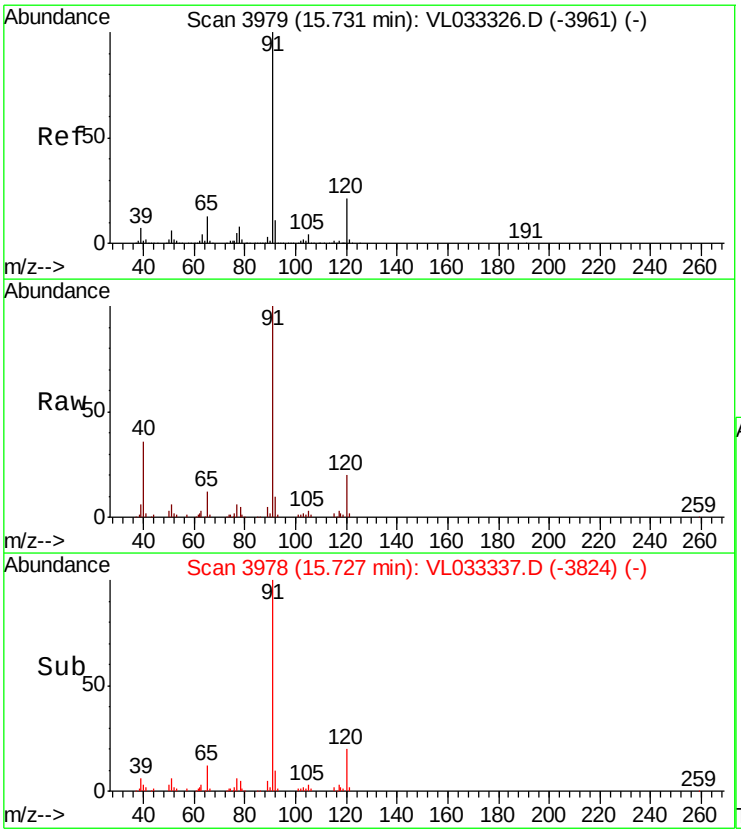
#63
1,1,2,2-Tetrachloroethane
Concen: 0.432 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 70571

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	64.7	32.5	97.4

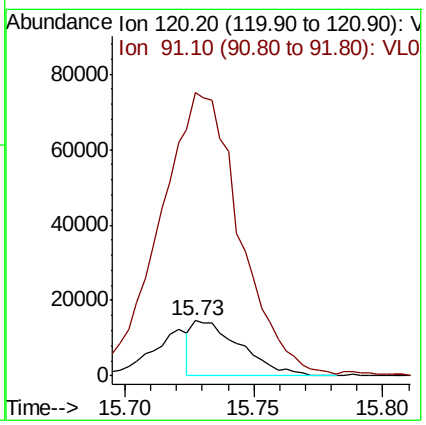


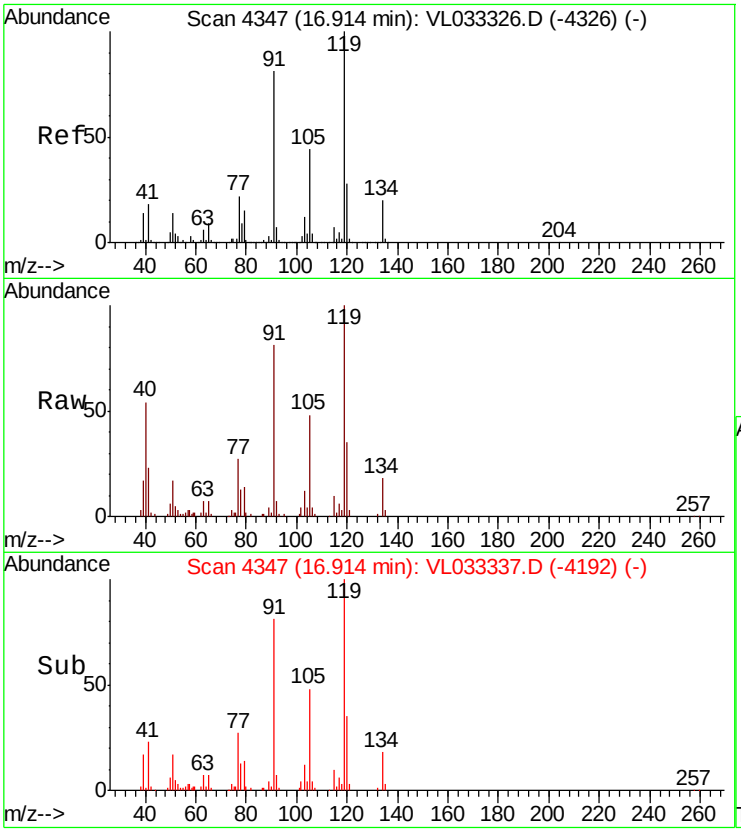


#64
n-propylbenzene
Concen: 0.238 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:120 Resp: 18940

Ion	Ratio	Lower	Upper
120	100		
91	864.0	389.8	584.6#



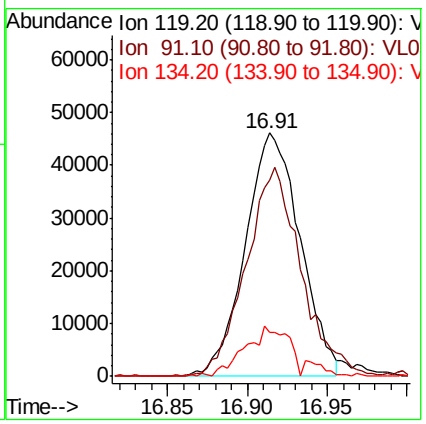


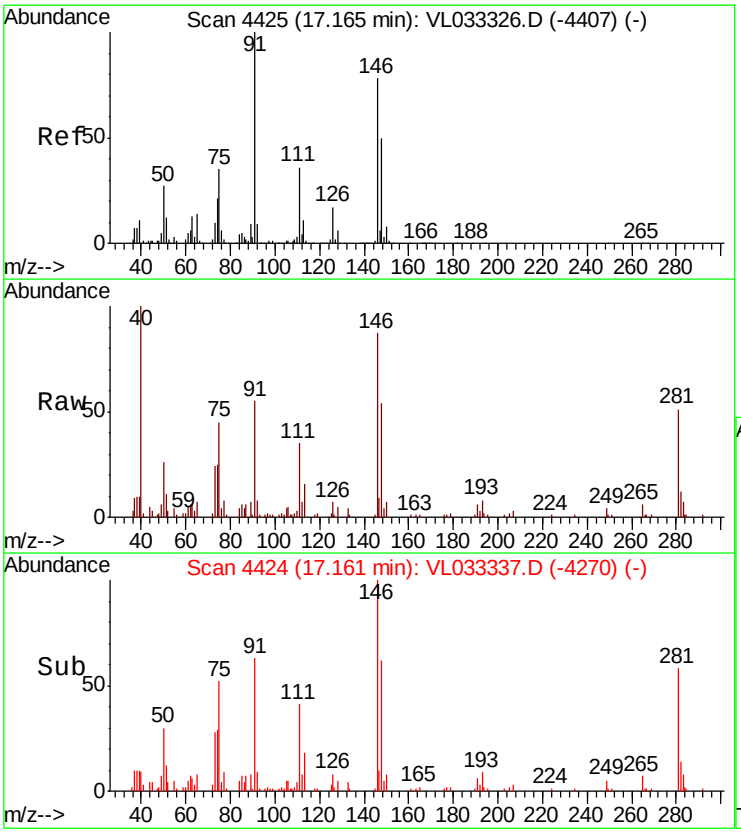
#65
tert-Butylbenzene
Concen: 0.385 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 108970

Ion	Ratio	Lower	Upper
119	100		
91	86.5	67.2	100.8
134	18.8	15.4	23.2

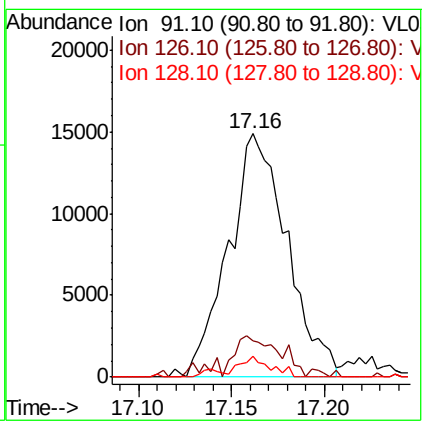


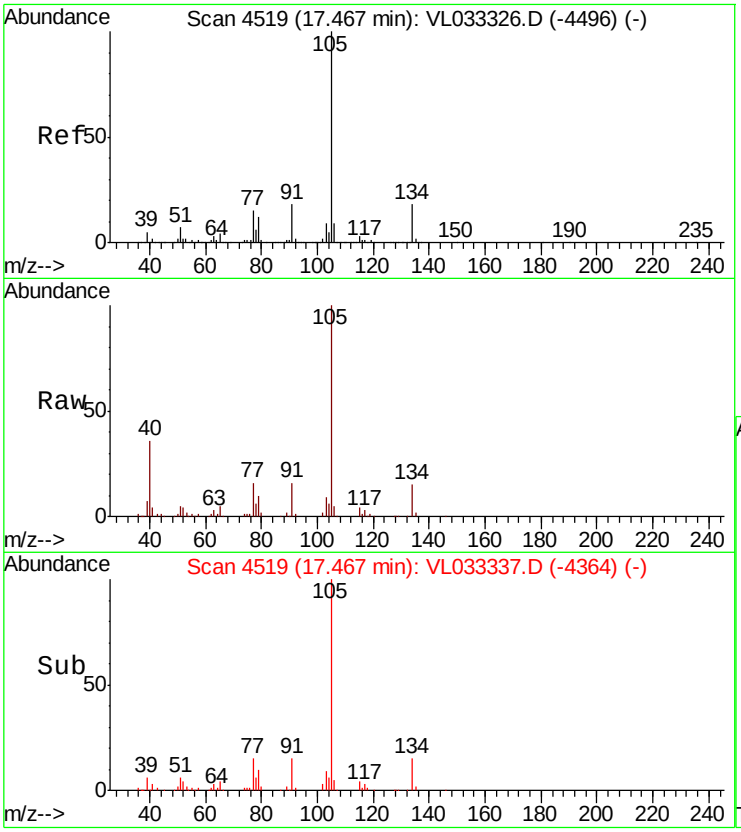


#66
Benzyl Chloride
Concen: 0.279 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 91 Resp: 32645

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.2	19.8
128	5.4	4.2	6.4



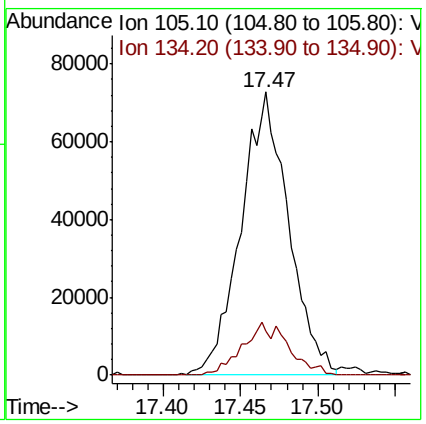


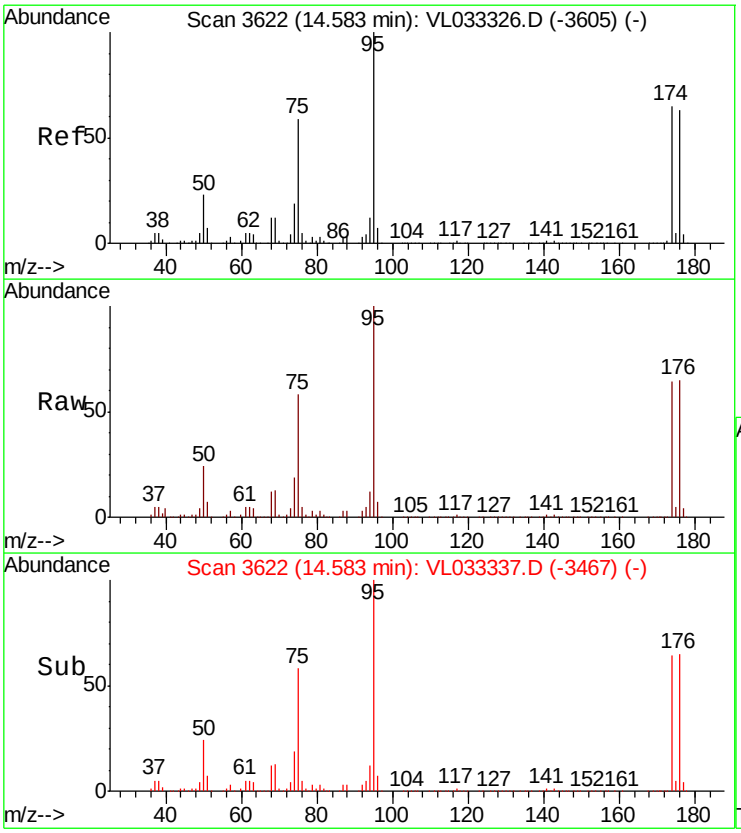
#67
sec-Butylbenzene
Concen: 0.389 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 156182

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.2	21.4

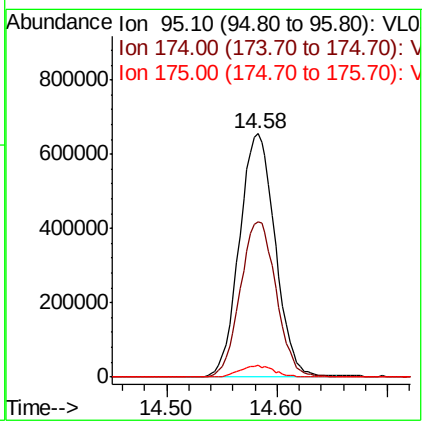


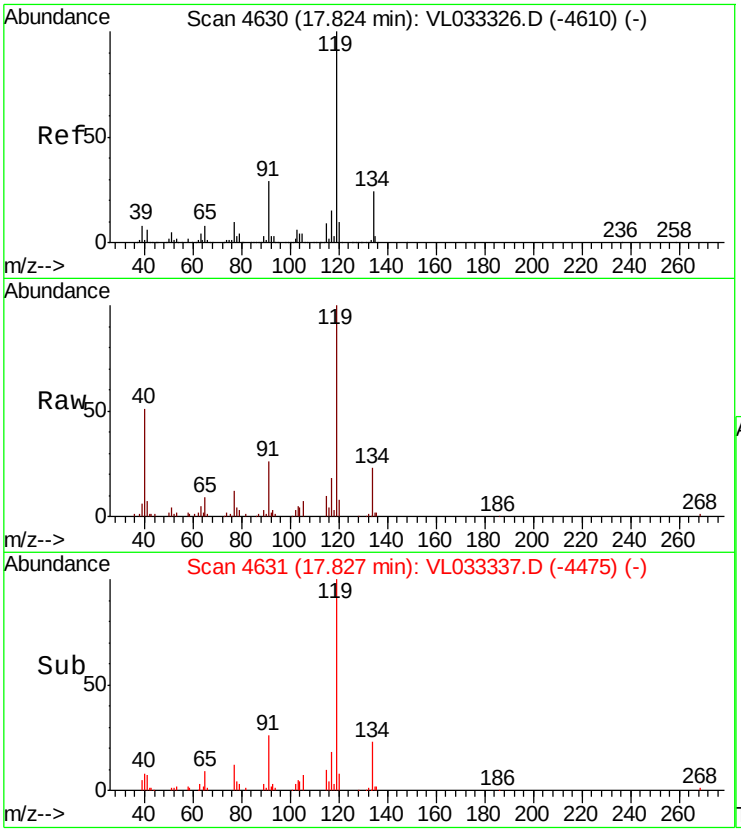


#68
1-Bromo-4-Fluorobenzene
Concen: 10.421 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 95 Resp: 1472838

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.5	77.3
175	4.7	3.8	5.6



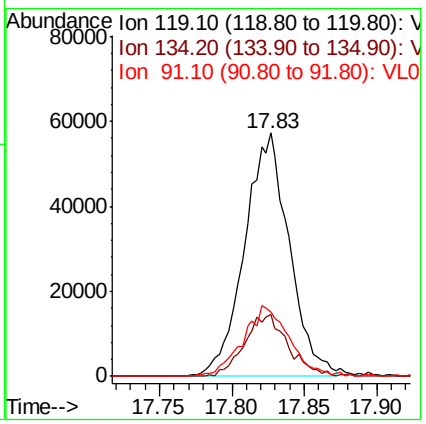


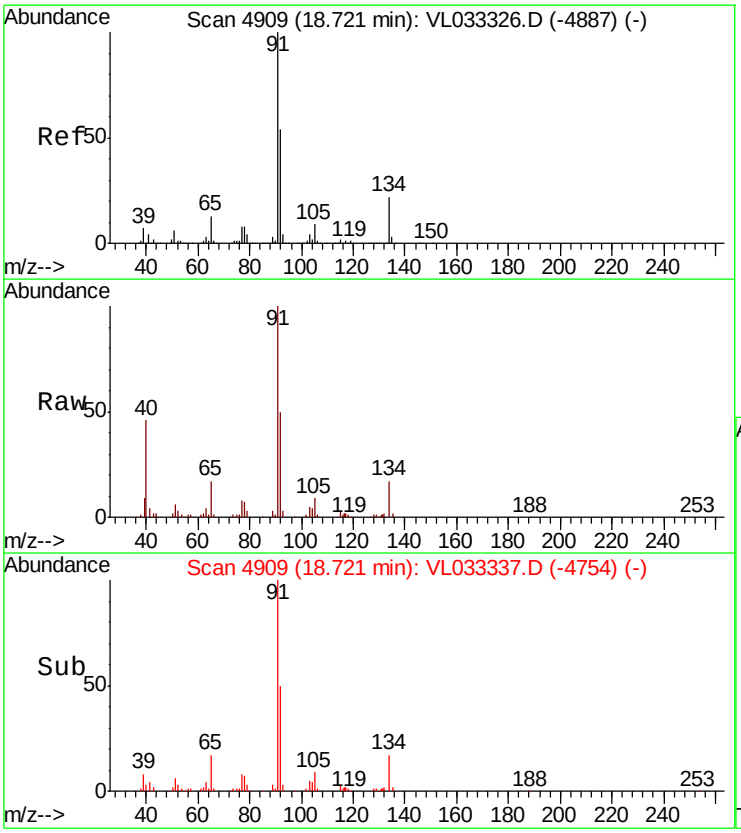
#69
p-Isopropyltoluene
Concen: 0.375 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 122818

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	30.2	23.4	35.2

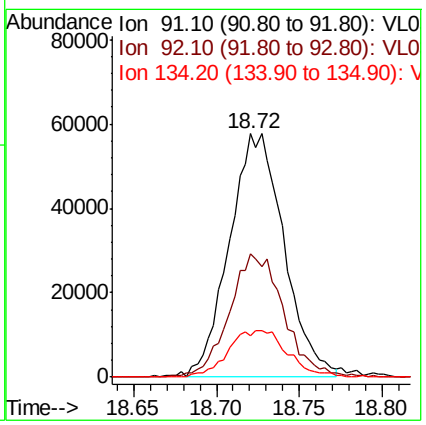


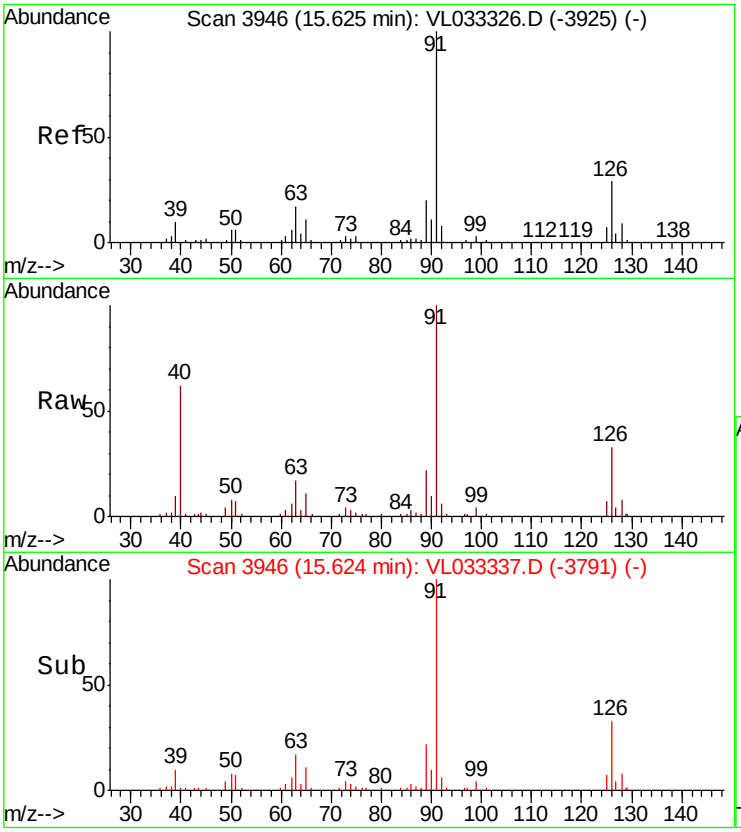


#70
n-Butylbenzene
Concen: 0.378 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion: 91 Resp: 132237

Ion	Ratio	Lower	Upper
91	100		
92	50.3	42.8	64.2
134	20.8	17.4	26.0



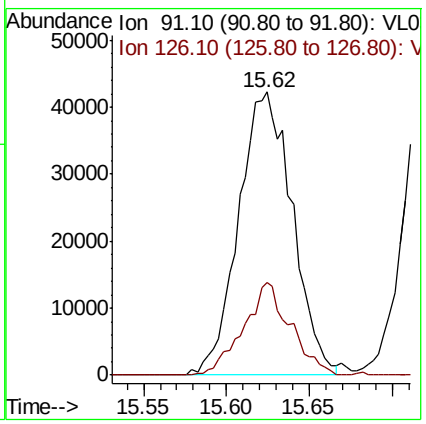


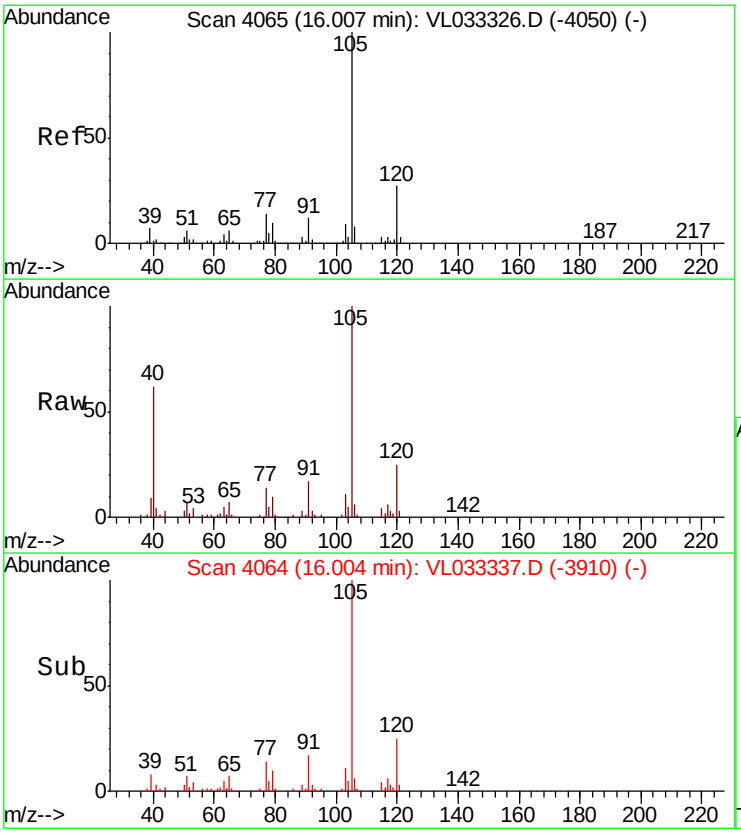
#71
2-Chlorotoluene
Concen: 0.387 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 94814

Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.6	46.6

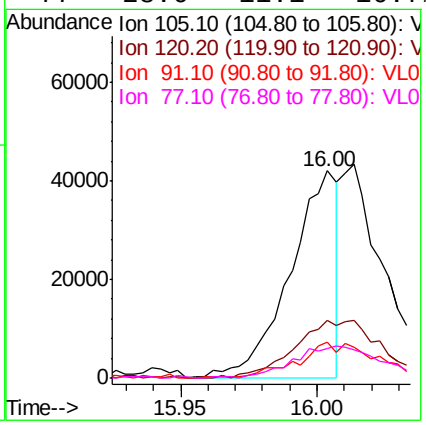


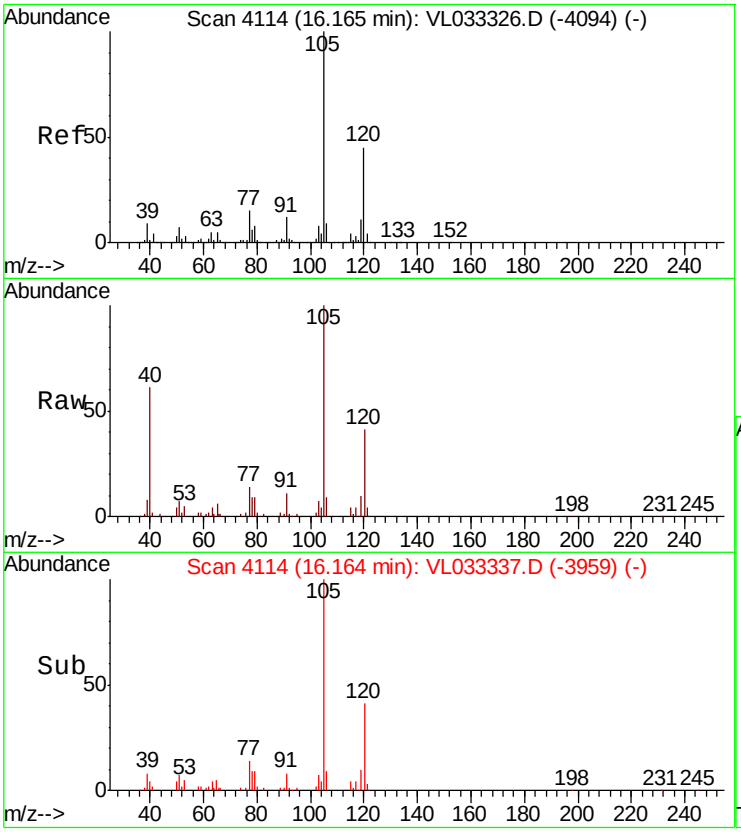


#72
4-Ethyltoluene
Concen: 0.198 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:105 Resp: 50827

Ion	Ratio	Lower	Upper
105	100		
120	51.0	22.9	34.3#
91	29.4	10.2	15.2#
77	28.6	11.1	16.7#



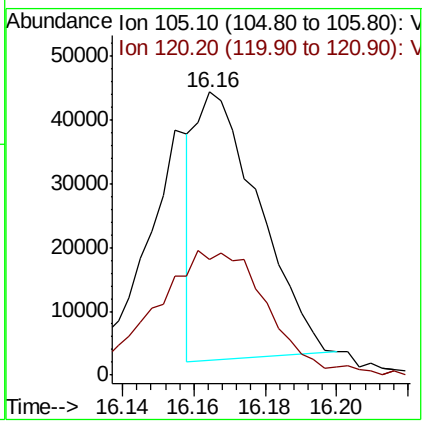


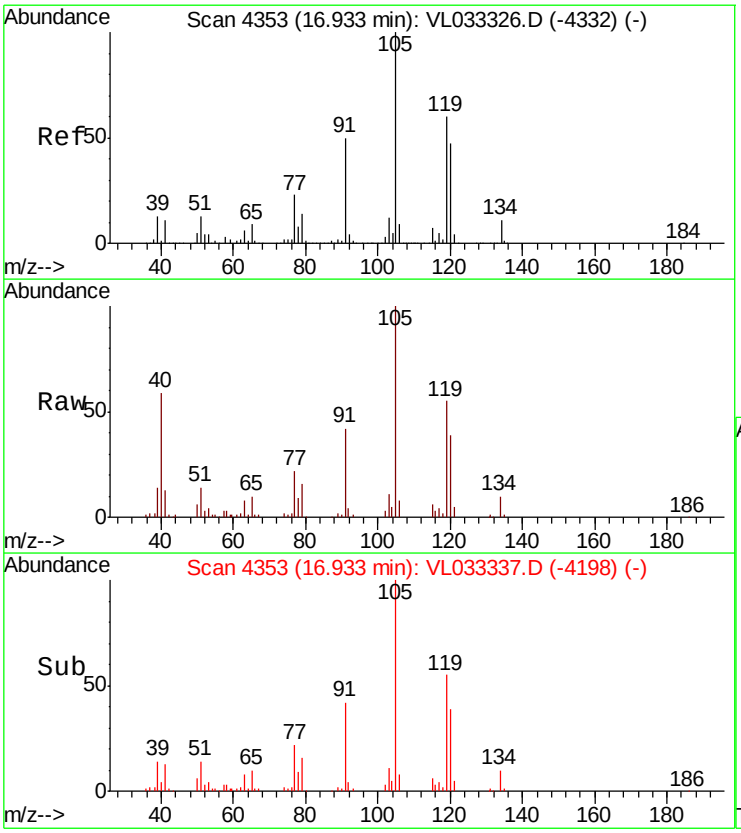
#73
1,3,5-Trimethylbenzene
Concen: 0.206 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 51558

Ion	Ratio	Lower	Upper
105	100		
120	41.0	36.2	54.4

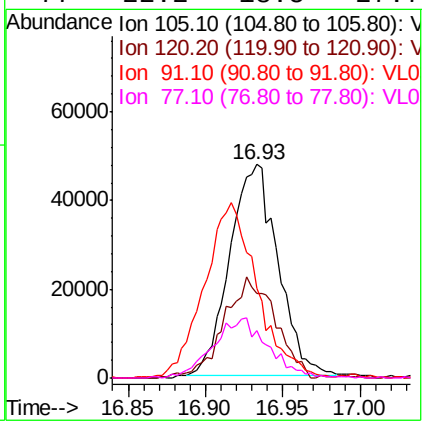


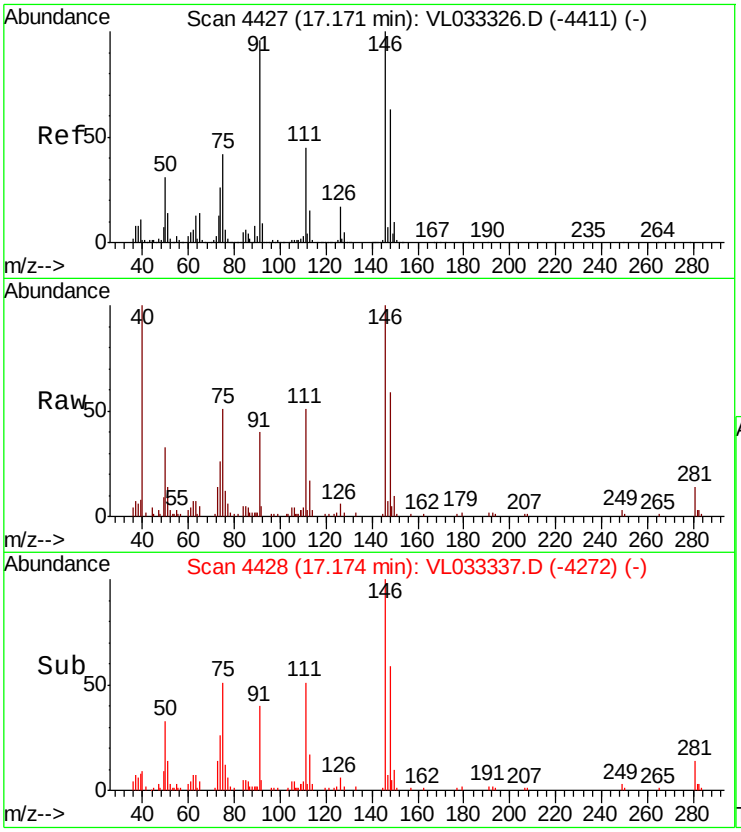


#74
1,2,4-Trimethylbenzene
Concen: 0.386 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:105 Resp: 102369

Ion	Ratio	Lower	Upper
105	100		
120	39.3	37.4	56.2
91	41.6	41.0	61.4
77	22.2	18.5	27.7



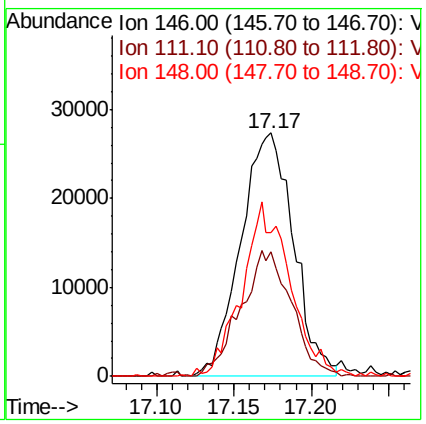


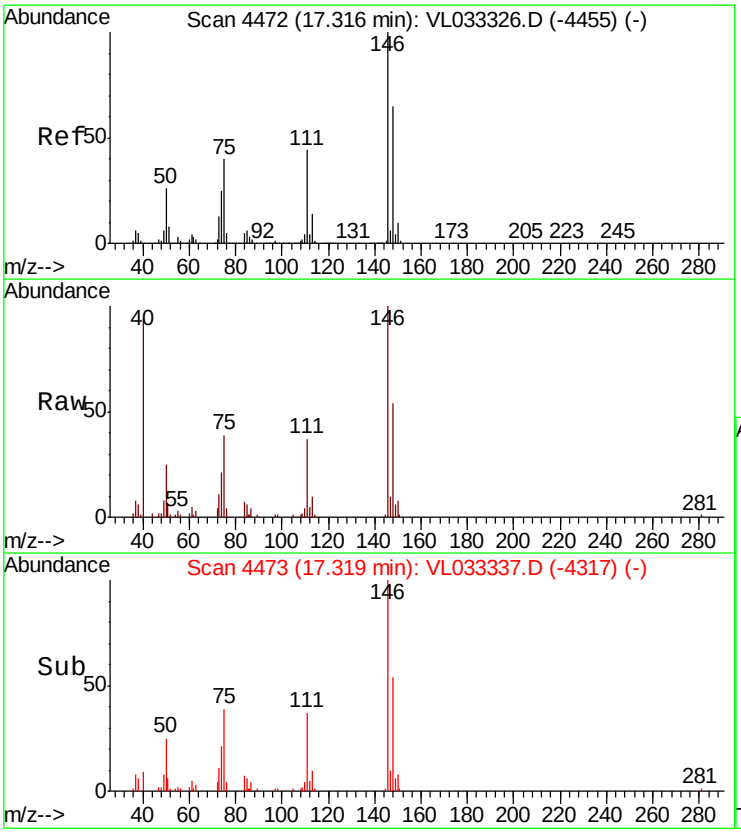
#75
1,3-Dichlorobenzene
Concen: 0.415 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 64877

Ion	Ratio	Lower	Upper
146	100		
111	50.5	22.8	68.3
148	65.4	31.9	95.7

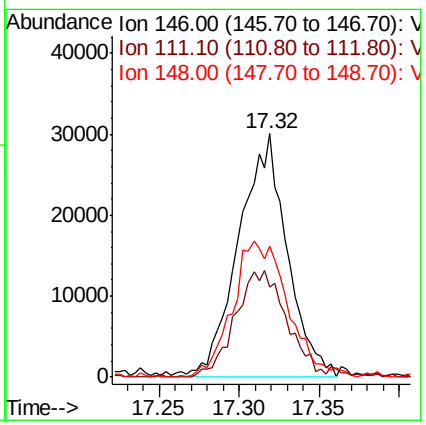


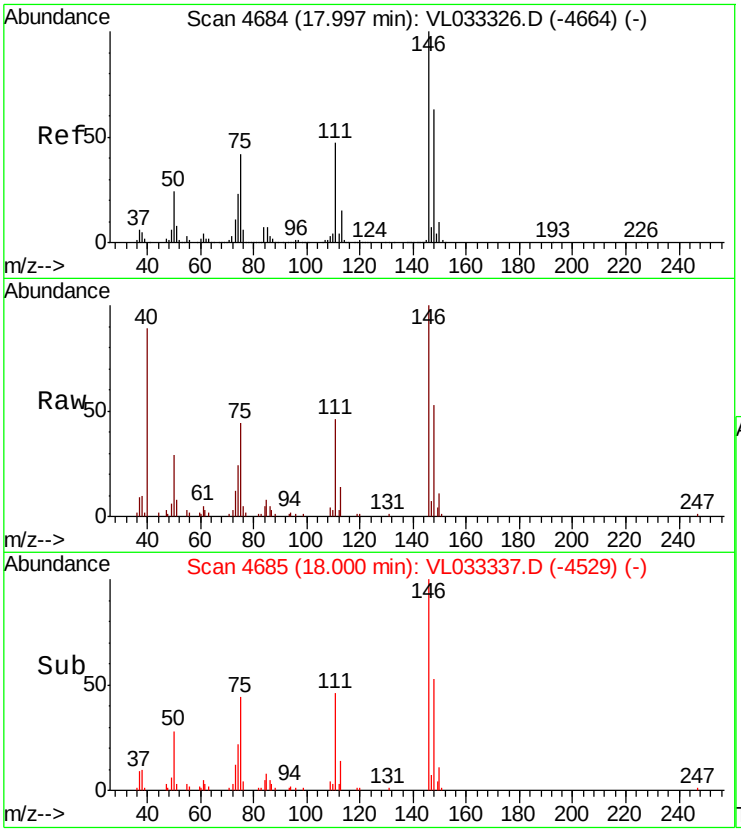


#76
1,4-Dichlorobenzene
Concen: 0.411 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:146 Resp: 62241

Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.9	65.7
148	64.8	32.1	96.5



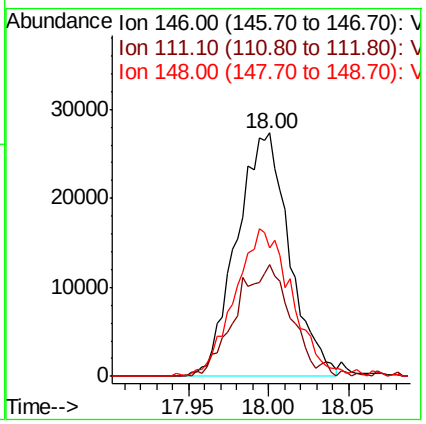


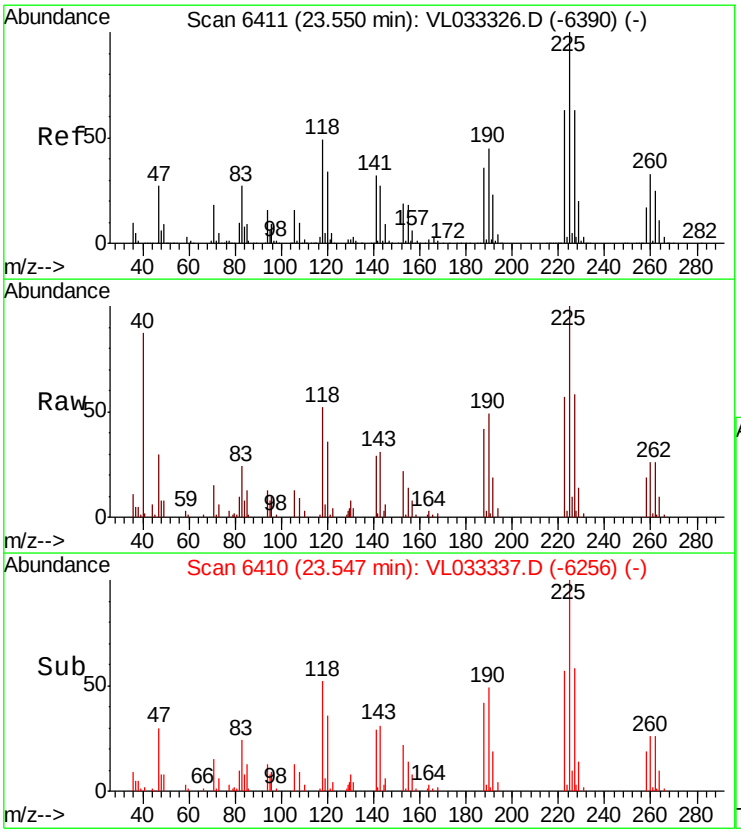
#77
1,2-Dichlorobenzene
Concen: 0.419 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 61930

Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.5	70.6
148	66.0	31.9	95.9

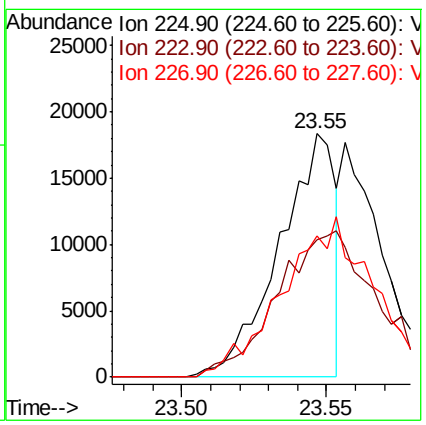


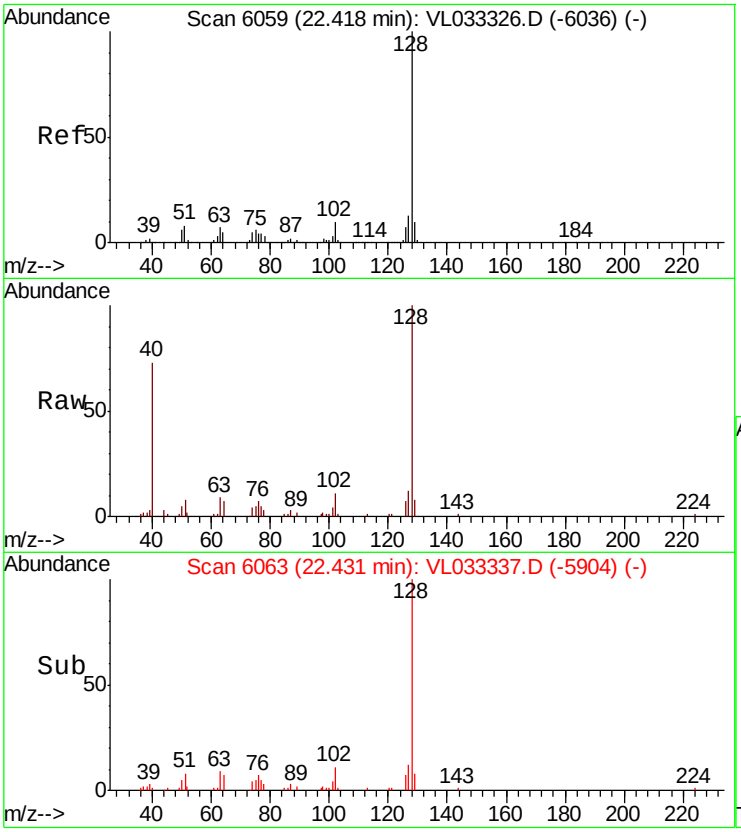


#78
Hexachloro-1,3-Butadiene
Concen: 0.277 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:225 Resp: 24596

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



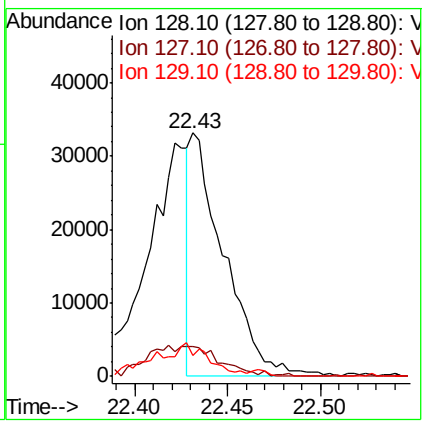


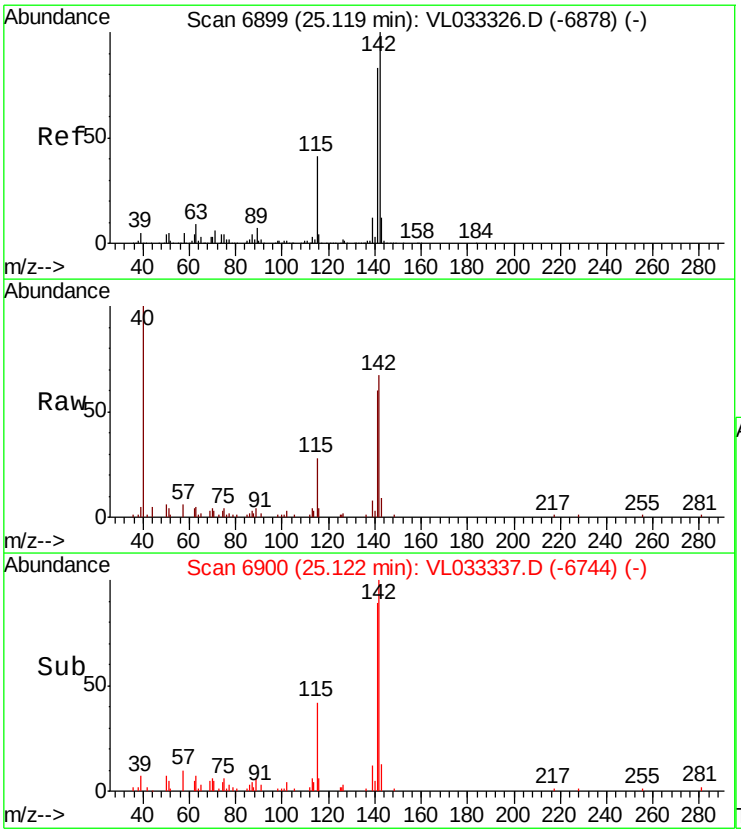
#79
Naphthalene
Concen: 0.162 ppbv
RT: 22.43 min Scan# 6063
Delta R.T. 0.01 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 41408

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.1	15.1
129	8.5	8.2	12.2

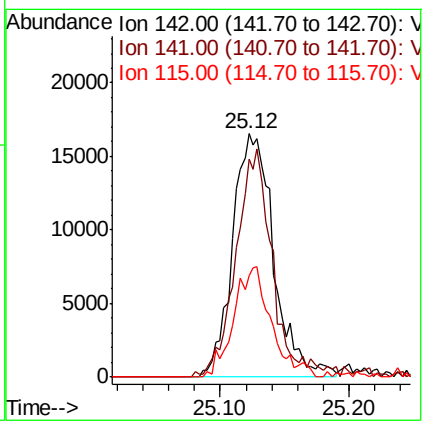


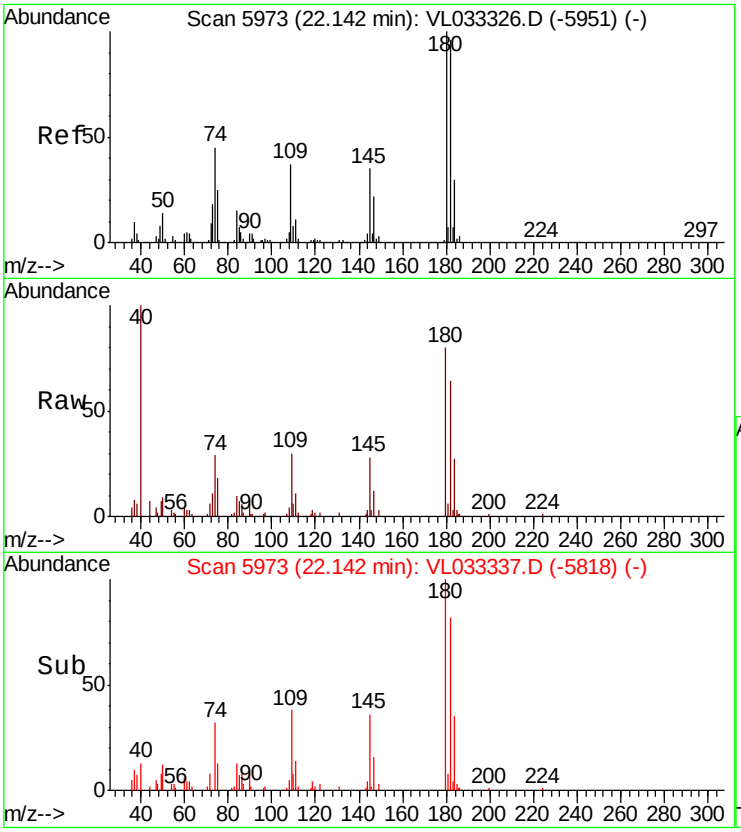


#80
Naphthalene,2-methyl-
Concen: 0.303 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Tgt Ion:142 Resp: 36682

Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.1	100.7
115	41.5	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.308 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033337.D
Acq: 15 Mar 2019 19:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 40081

Ion	Ratio	Lower	Upper
180	100		
182	126.4	76.1	114.1#
184	42.5	24.6	37.0#