Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033658.D
Acq On : 6 May 2019 13:32
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 14:22:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	921833	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2285348	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2283294	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1868236	10.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.22	85	20176	0.131	ppbv		91
3) Chlorodifluoromethane	3.01	51	15273	0.137	ppbv		97
4) Chloromethane	3.17	50	4065	0.066	ppbv	#	83
5) Vinyl Chloride	3.29	62	5506	0.086	ppbv	#	86
6) Bromomethane	3.52	94	3548	0.094	ppbv	#	74
7) Chloroethane	3.60	64	1521	0.071	ppbv	#	74
8) Dichlorotetrafluoroethane	3.22	85	20176	0.130	ppbv		98
10) Heptane	8.23	43	3274	0.028	ppbv	#	26
11) Trichlorofluoromethane	4.00	101	12432	0.073	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.54	101	15131	0.129	ppbv		94
14) Bromoethene	3.79	108	5233	0.110	ppbv		91
15) Acetone	3.92	43	22281	0.192	ppbv	#	87
16) 1,3-Butadiene	3.36	39	5204	0.101	ppbv		94
18) 1,1-Dichloroethene	4.35	96	5401	0.106	ppbv	#	81
20) Methylene Chloride	4.41	84	7648	0.168	ppbv		94
21) Allyl Chloride	4.48	41	8024	0.110	ppbv		98
22) trans-1,2-Dichloroethene	4.96	96	5261	0.105	ppbv	#	48
23) Vinyl Acetate	5.16	43	15606	0.093	ppbv	#	74
24) 1,1-Dichloroethane	5.09	63	14085	0.112	ppbv		96
25) Ethyl Acetate	5.77	43	7659	0.036	ppbv	#	69
26) Hexane	5.78	57	7344	0.081	ppbv	#	68
27) Carbon Disulfide	4.63	76	3318	0.029	ppbv	#	1
28) Methyl tert-Butyl Ether	5.14	73	12142	0.080	ppbv	#	87
29) Chloroform	5.84	83	17510	0.105	ppbv		90
30) Cyclohexane	7.24	84	939	0.012	ppbv	#	1
31) cis-1,2-Dichloroethene	5.63	61	6841	0.075	ppbv	#	61
32) 1,1,1-Trichloroethane	6.62	97	18055	0.104	ppbv		96
34) 2-Butanone	5.35	43	13038	0.092	ppbv		93
35) Carbon Tetrachloride	7.13	117	15353	0.084	ppbv	#	89
36) Benzene	7.00	78	15178	0.077	ppbv	#	92
37) 1,2-Dichloroethane	6.40	62	6488	0.049	ppbv	#	89
38) Trichloroethene	7.95	130	3859	0.049	ppbv	#	79
39) 1,2-Dichloropropane	7.28	63	596564	8.042	ppbv	#	23
42) Bromodichloromethane	7.91	83	15538	0.087	ppbv	#	96
44) 2,2,4-Trimethylpentane	7.98	57	7982	0.023	ppbv	#	1
45) t-1,3-Dichloropropene	9.40	75	2322	0.024	ppbv	#	74
46) cis-1,3-Dichloropropene	8.82	75	2945	0.026	ppbv	#	87
47) 1,1,2-Trichloroethane	9.61	97	3778	0.043	ppbv	#	87
48) Dibromochloromethane	10.44	129	6242	0.042	ppbv		96
49) Bromoform	13.19	173	2985	0.024	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.89	43	3860	0.017	ppbv	#	39

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033658.D
Acq On : 6 May 2019 13:32
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 14:22:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tetrachloroethene	11.36	164	3725	0.050	ppbv	#	82
53) Toluene	9.93	91	6286	0.028	ppbv	#	21
54) 1,2-Dibromoethane	10.75	107	7056	0.054	ppbv		85
56) 1,1,1,2-Tetrachloroethane	12.27	131	5329	0.053	ppbv	#	9
57) Chlorobenzene	12.29	112	16290	0.091	ppbv	#	76
58) Ethyl Benzene	13.15	91	6589	0.023	ppbv		95
59) m/p-Xylene	13.15	91	3703	0.015	ppbv	#	1
60) o-Xylene	13.84	91	3886	0.016	ppbv	#	1
61) Styrene	13.68	104	3336	0.020	ppbv	#	1
62) Isopropylbenzene	14.82	105	21750	0.066	ppbv		92
63) 1,1,2,2-Tetrachloroethane	13.83	83	18175	0.097	ppbv		94
65) tert-Butylbenzene	16.89	119	3990	0.013	ppbv	#	16
66) Benzyl Chloride	17.15	91	2147	0.015	ppbv	#	66
67) sec-Butylbenzene	17.46	105	6539	0.015	ppbv		93
69) p-Isopropyltoluene	17.81	119	11920	0.033	ppbv	#	54
70) n-Butylbenzene	18.70	91	4578	0.012	ppbv	#	34
71) 2-Chlorotoluene	15.61	91	5872	0.024	ppbv	#	19
72) 4-Ethyltoluene	16.00	105	11291	0.040	ppbv	#	88
73) 1,3,5-Trimethylbenzene	16.15	105	4225	0.015	ppbv	#	80
74) 1,2,4-Trimethylbenzene	16.92	105	10142	0.033	ppbv	#	86
75) 1,3-Dichlorobenzene	17.16	146	13972	0.073	ppbv	#	39
76) 1,4-Dichlorobenzene	17.30	146	5480	0.030	ppbv	#	1
77) 1,2-Dichlorobenzene	17.98	146	8609	0.048	ppbv	#	57
78) Hexachloro-1,3-Butadiene	23.53	225	11762	0.086	ppbv	#	57
79) Naphthalene	22.40	128	4855	0.017	ppbv	#	78
80) Naphthalene,2-methyl-	25.11	142	5238	0.043	ppbv		86
81) 1,2,4-Trichlorobenzene	22.12	180	2762	0.017	ppbv	#	12

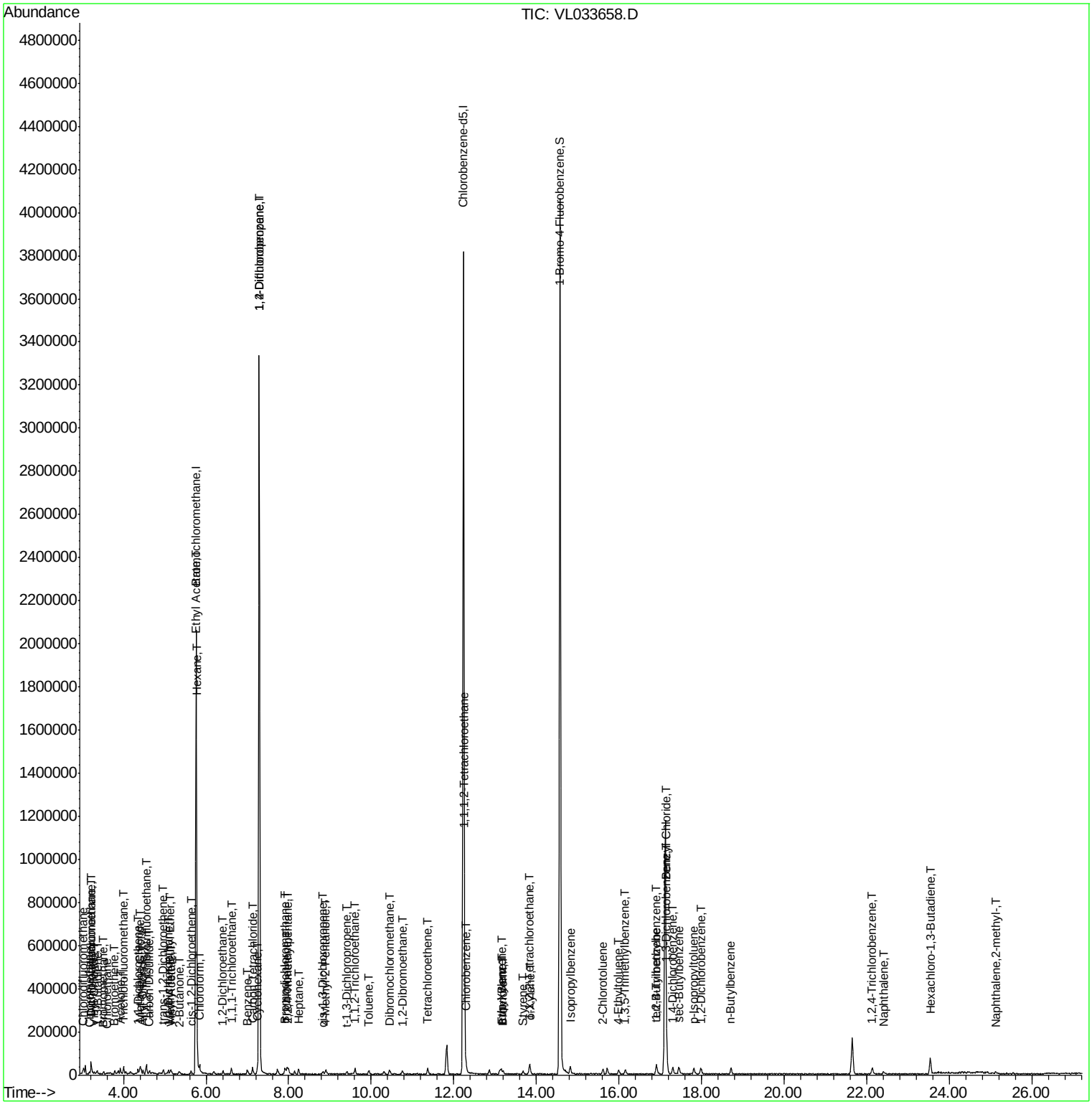
(#) = qualifier out of range (m) = manual integration (+) = signals summed

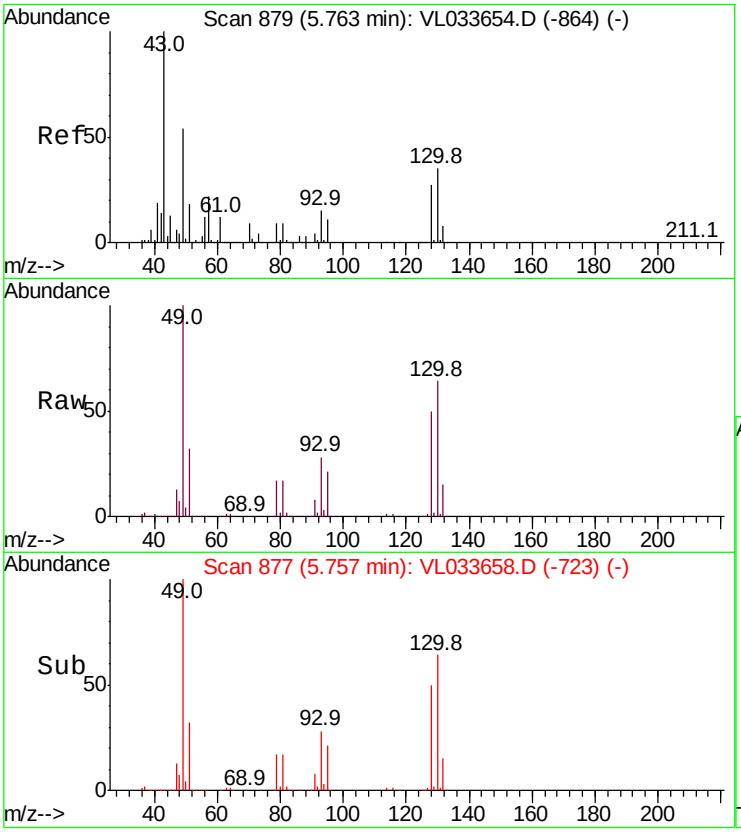
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033658.D
Acq On : 6 May 2019 13:32
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 14:22:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration



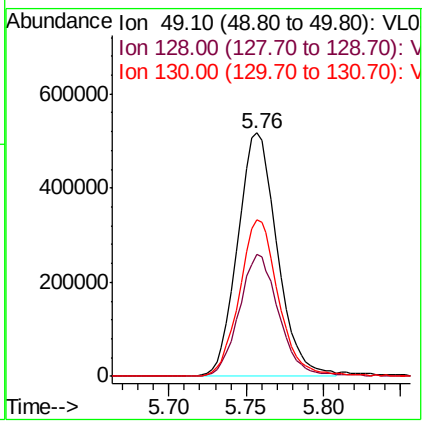


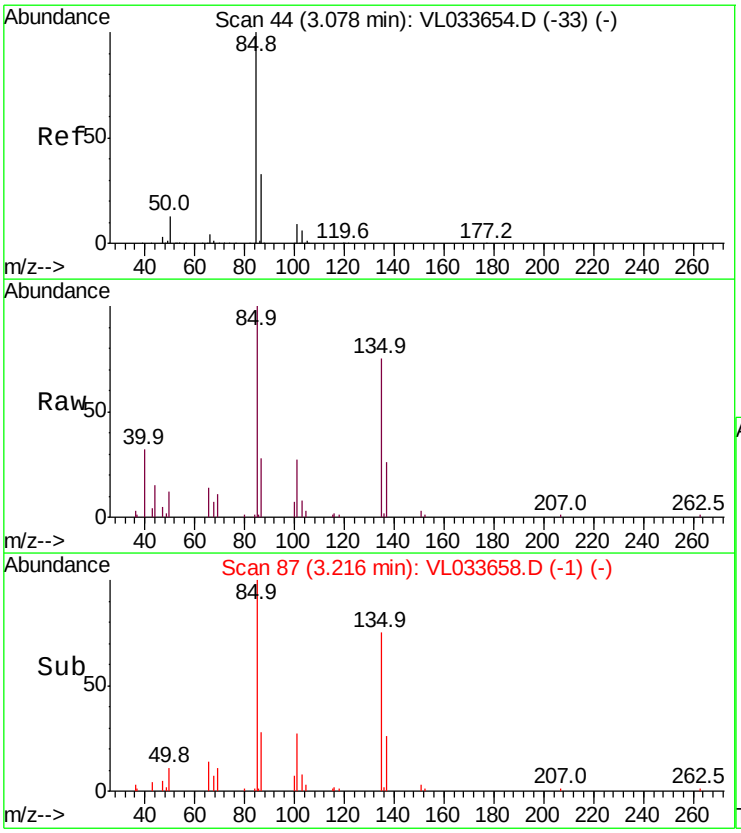
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 921833

Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.8	74.4
130	64.3	32.1	96.5

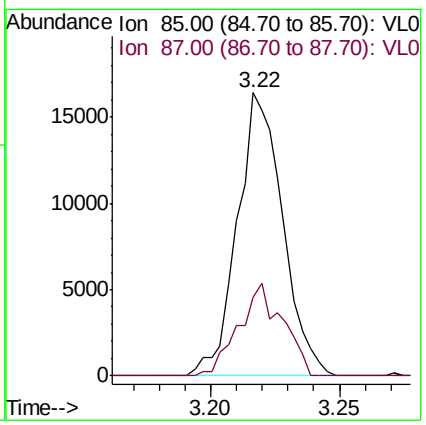


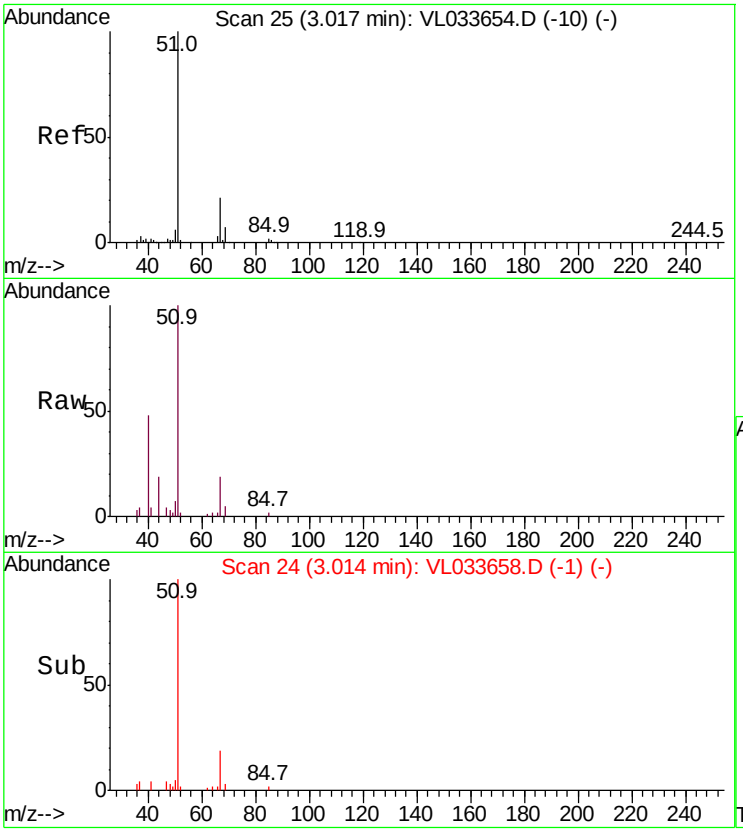


#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.14 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 85 Resp: 20176

Ion	Ratio	Lower	Upper
85	100		
87	27.6	26.0	39.0

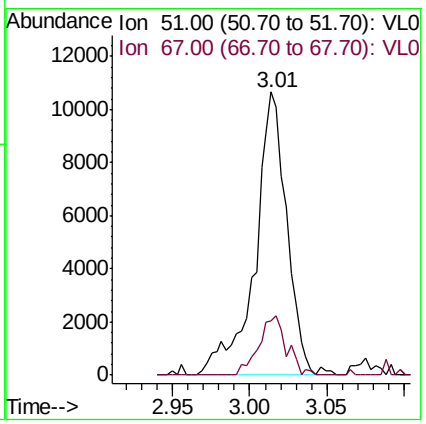




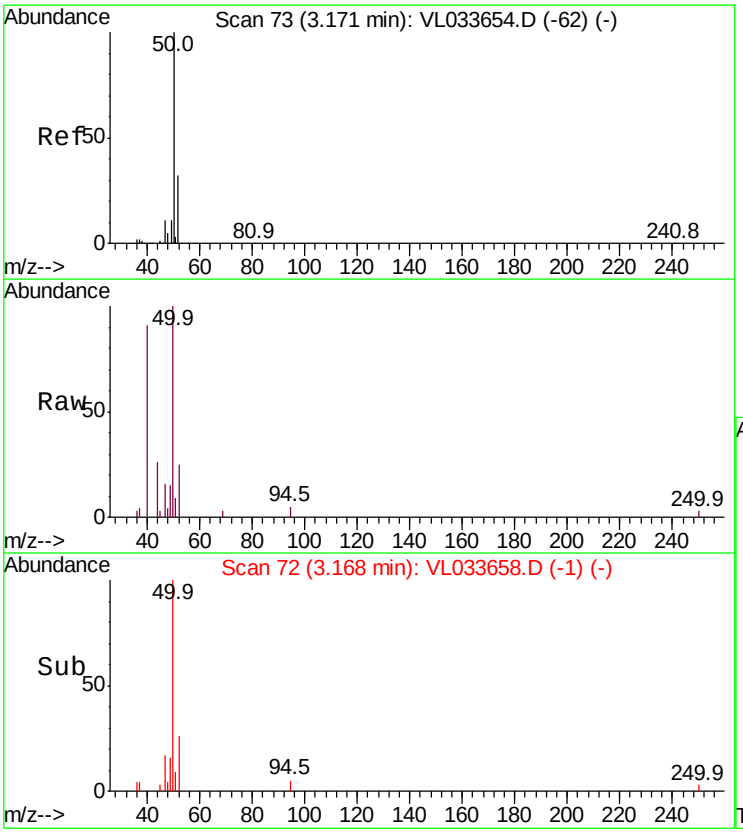
#3
Chlorodifluoromethane
Concen: 0.137 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 51 Resp: 15273

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.7	23.5



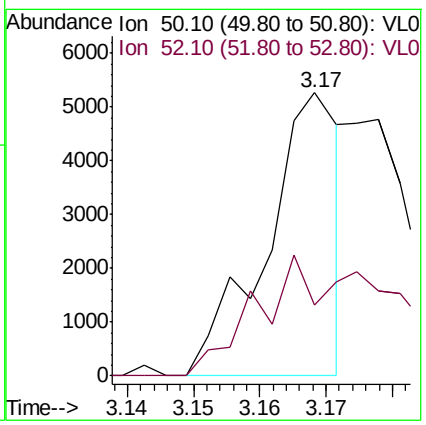
Instrument :
MSVOA_L
ClientSampleId :

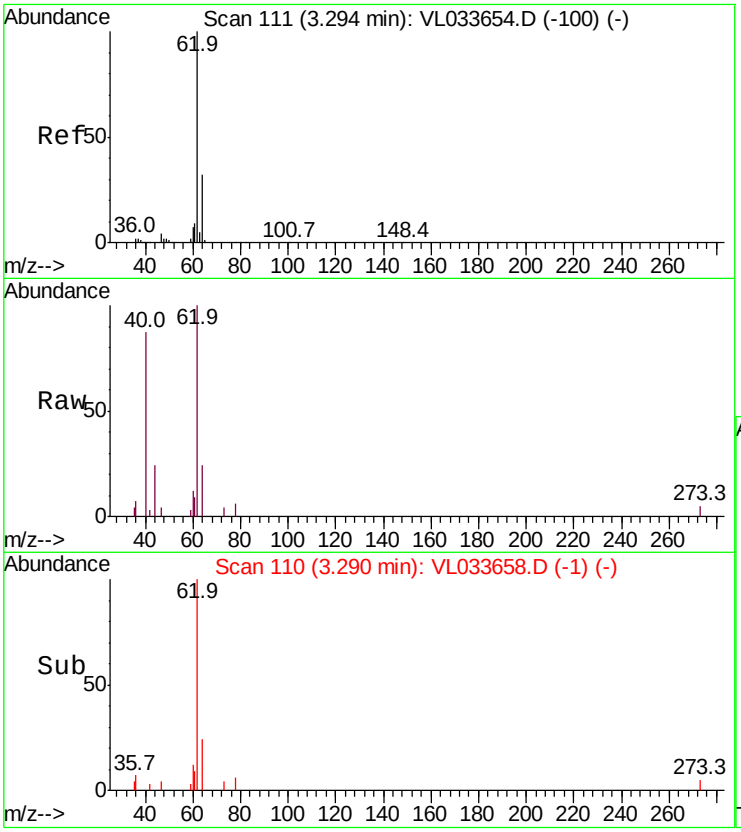


#4
Chloromethane
Concen: 0.066 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 50 Resp: 4065

Ion	Ratio	Lower	Upper
50	100		
52	22.8	25.8	38.8#



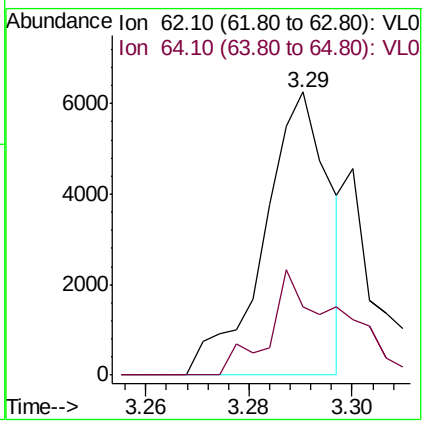


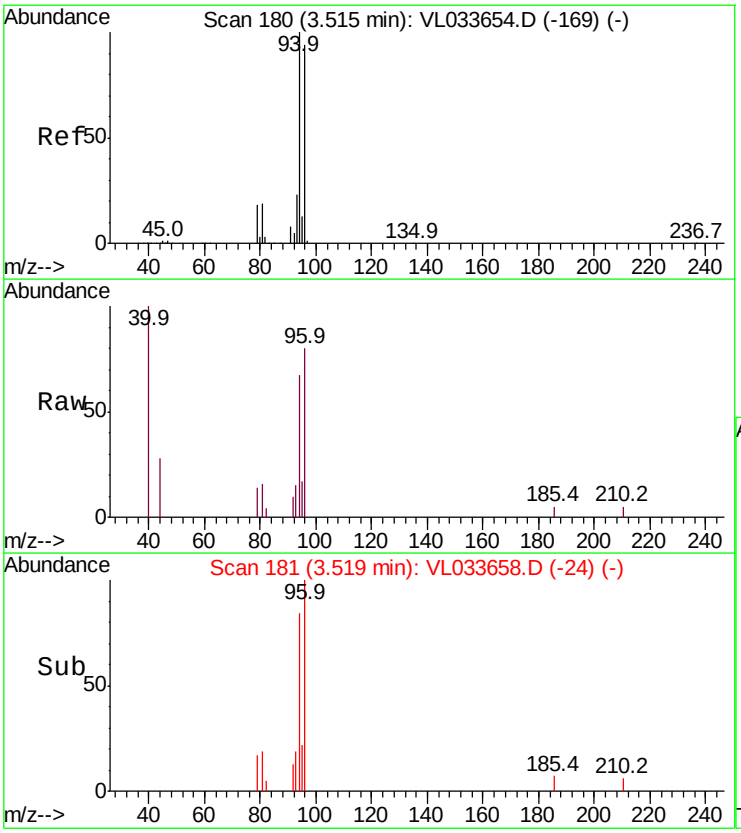
#5
Vinyl Chloride
Concen: 0.086 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 5506

Ion	Ratio	Lower	Upper
62	100		
64	24.1	25.6	38.4#

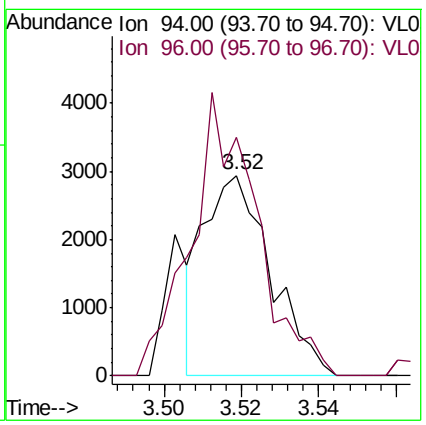


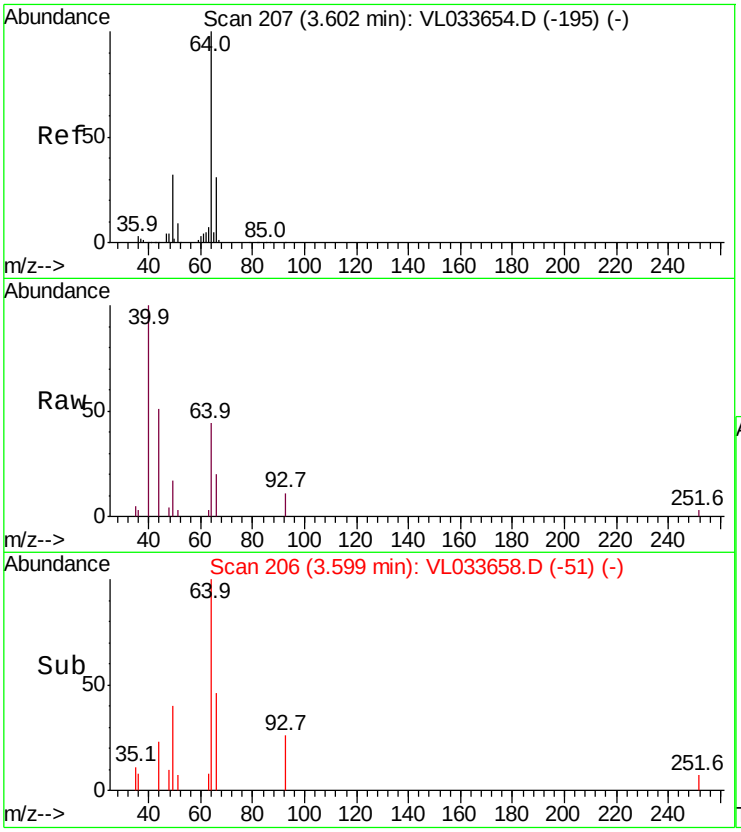


#6
Bromomethane
Concen: 0.094 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 94 Resp: 3548

Ion	Ratio	Lower	Upper
94	100		
96	118.7	75.2	112.8#



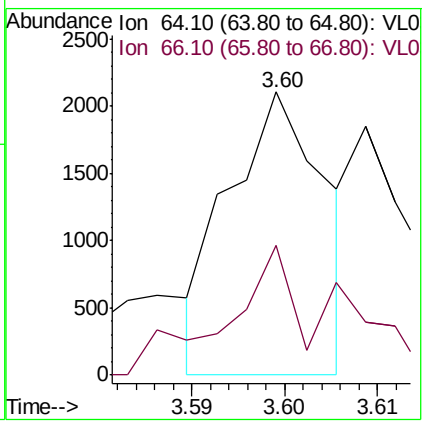


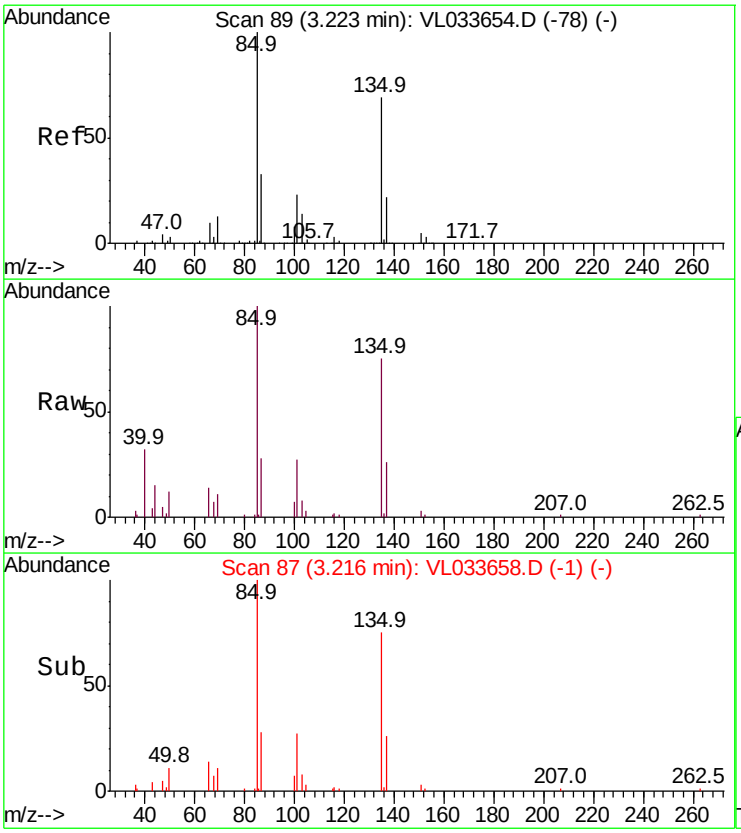
#7
Chloroethane
Concen: 0.071 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1521

Ion	Ratio	Lower	Upper
64	100		
66	45.8	25.1	37.7#

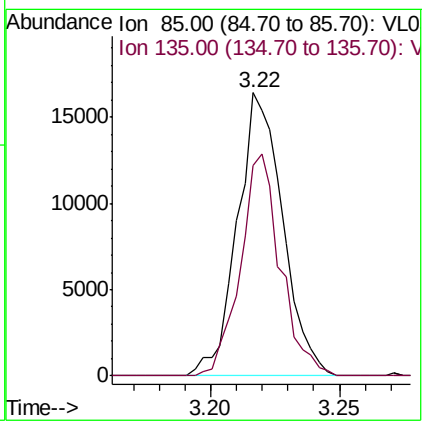


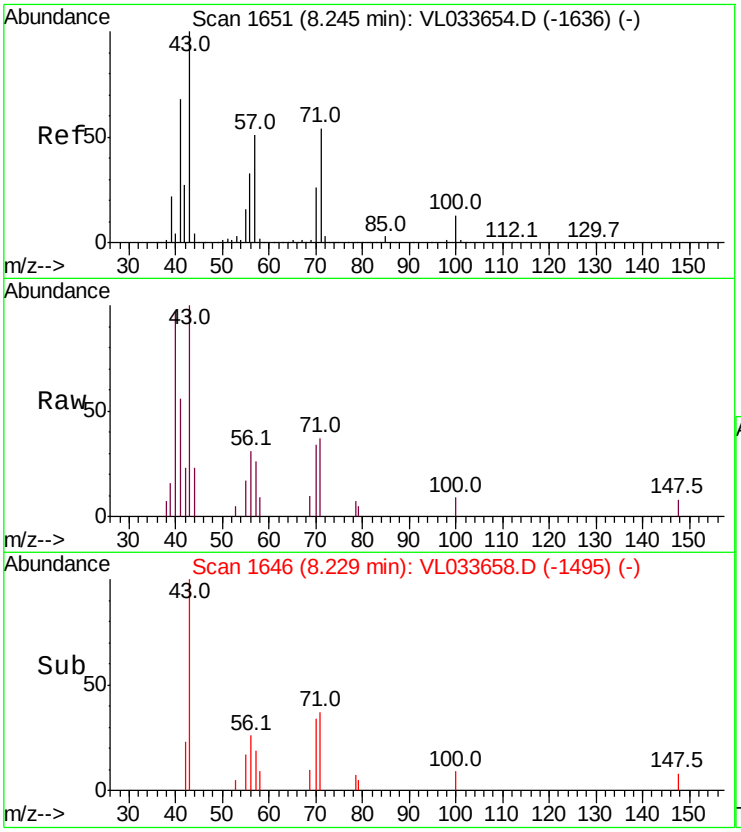


#8
Dichlorotetrafluoroethane
Concen: 0.130 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 85 Resp: 20176

Ion	Ratio	Lower	Upper
85	100		
135	69.4	54.3	81.5



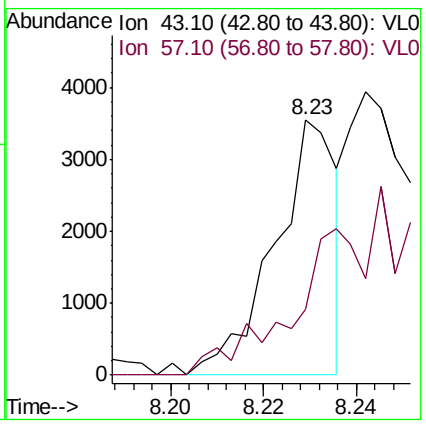


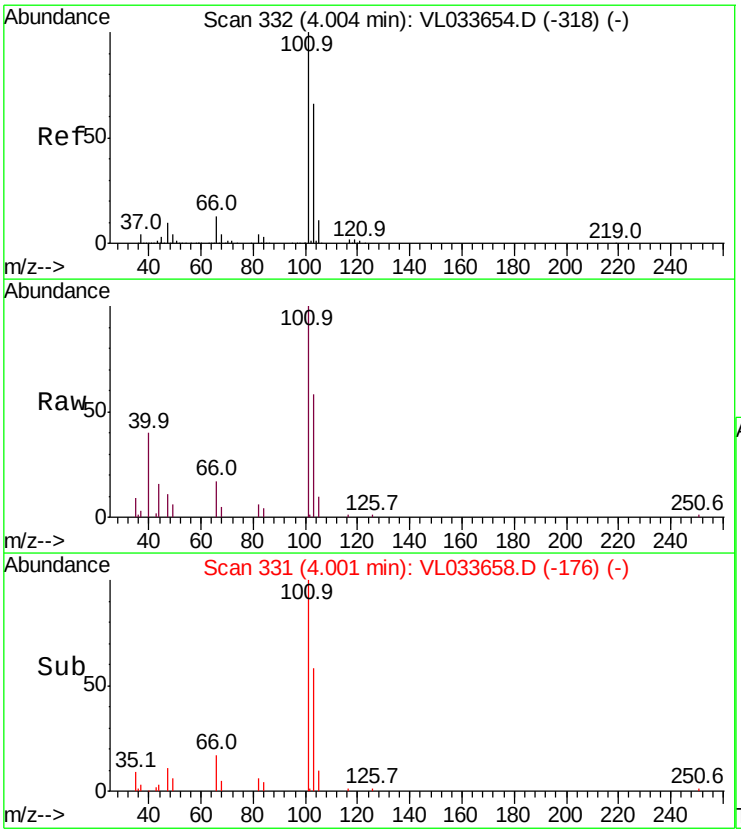
#10
Heptane
Concen: 0.028 ppbv
RT: 8.23 min Scan# 1646
Delta R.T. -0.02 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3274

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.8	62.6#

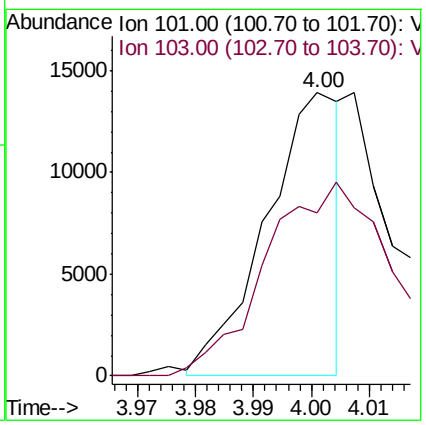


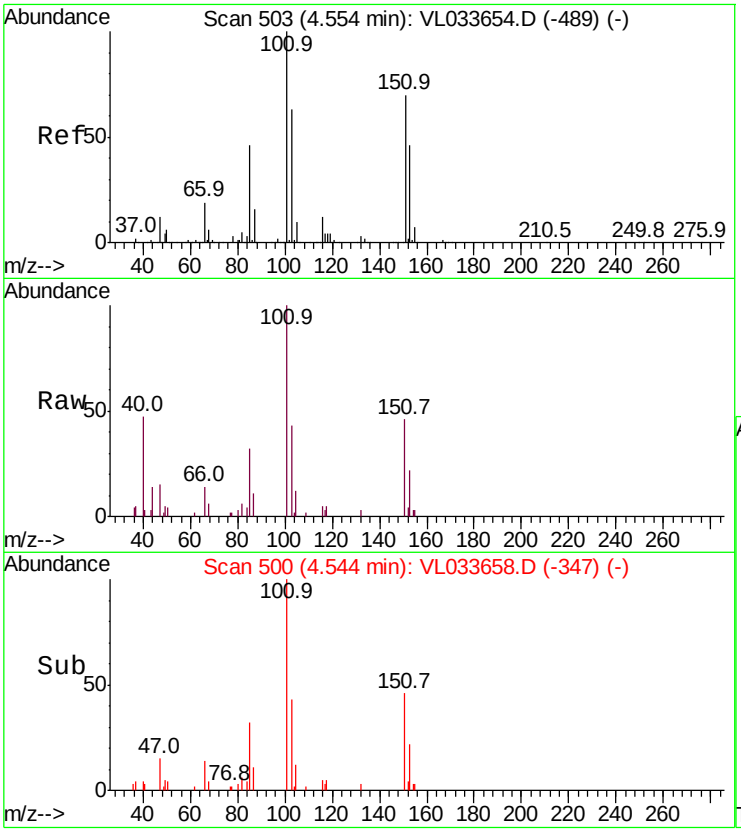


#11
Trichlorofluoromethane
Concen: 0.073 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:101 Resp: 12432

Ion	Ratio	Lower	Upper
101	100		
103	55.8	52.7	79.1



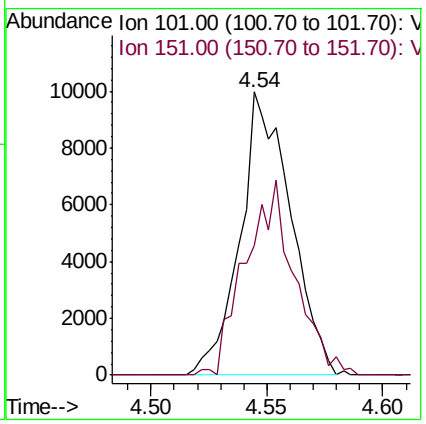


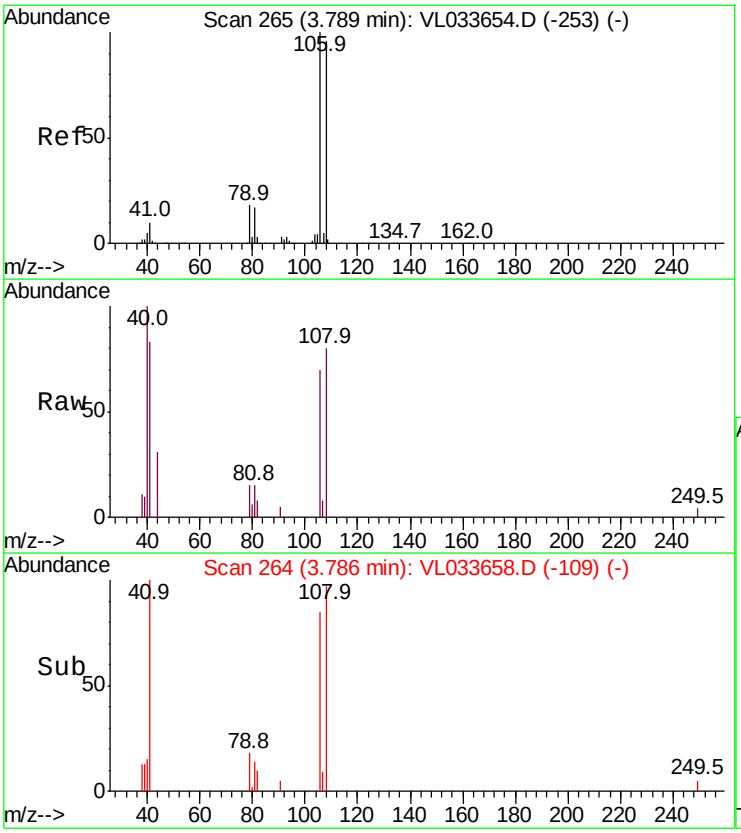
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.129 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 15131

Ion	Ratio	Lower	Upper
101	100		
151	67.2	58.0	87.0

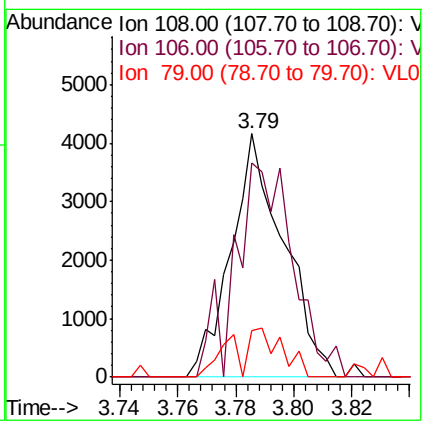


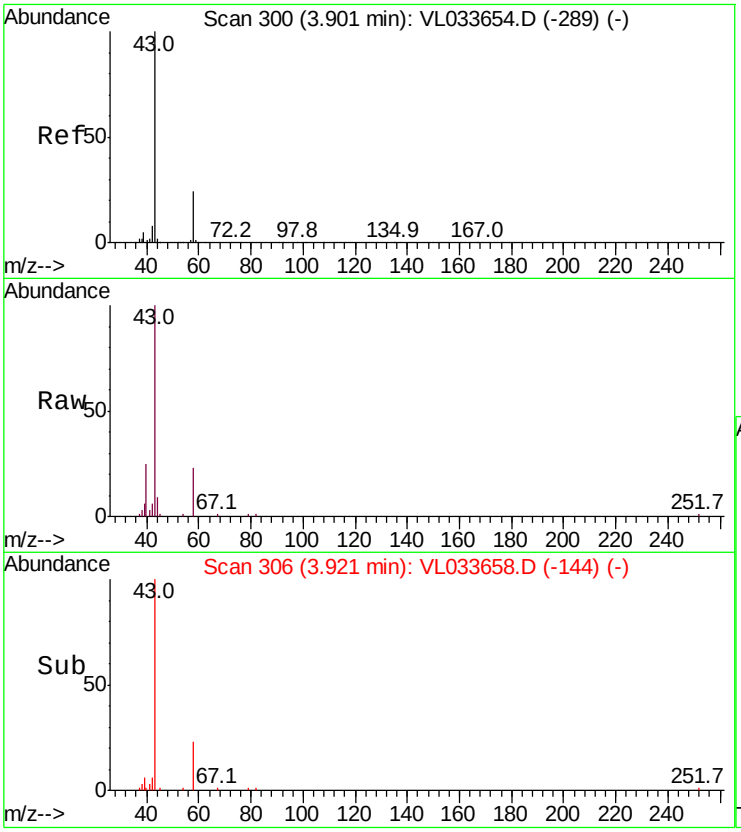


#14
Bromoethene
Concen: 0.110 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:108 Resp: 5233

Ion	Ratio	Lower	Upper
108	100		
106	97.0	85.8	128.6
79	21.8	15.2	22.8



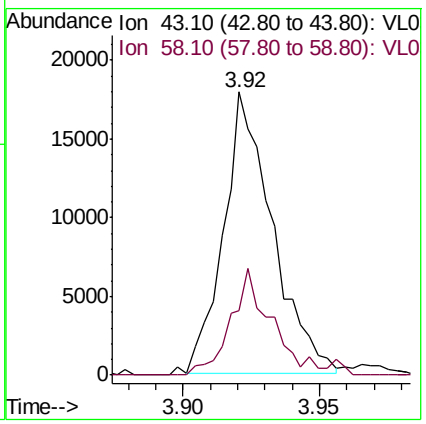


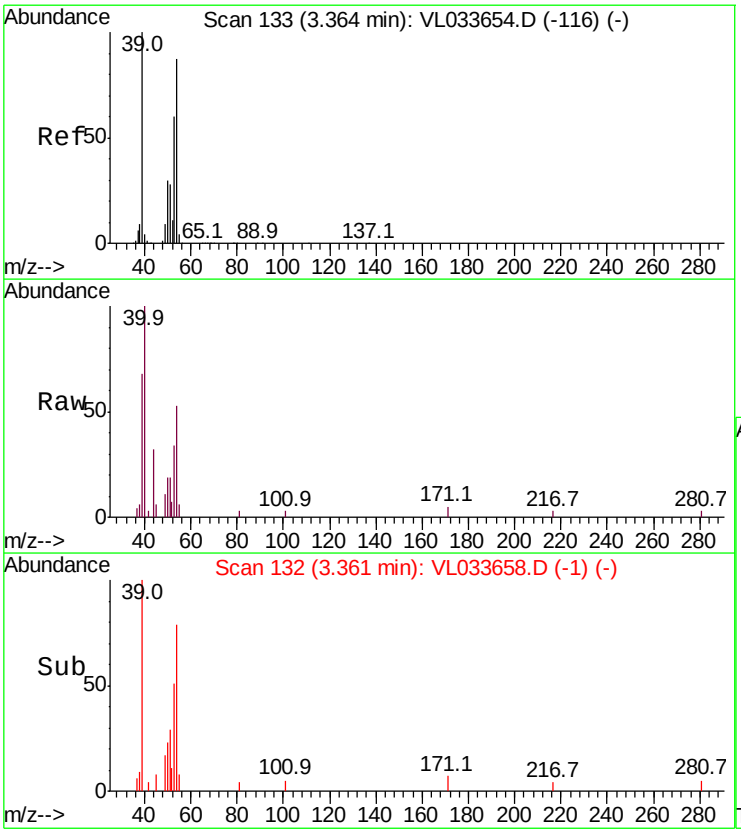
#15
Acetone
Concen: 0.192 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 22281

Ion	Ratio	Lower	Upper
43	100		
58	32.8	20.9	31.3#

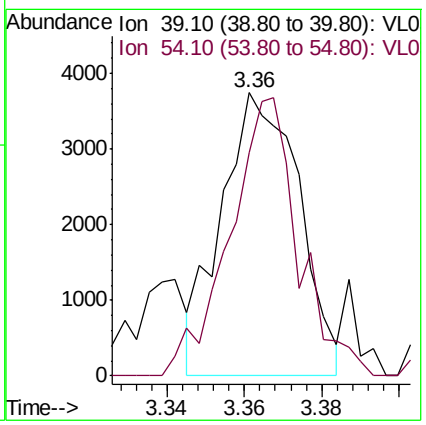


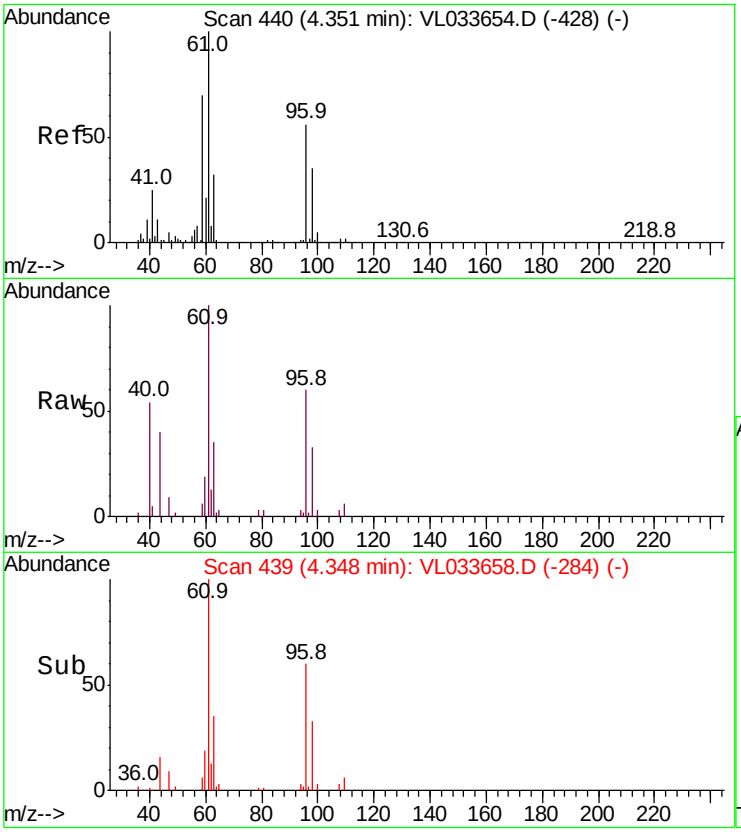


#16
1,3-Butadiene
Concen: 0.101 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 39 Resp: 5204

Ion	Ratio	Lower	Upper
39	100		
54	88.8	67.0	100.4



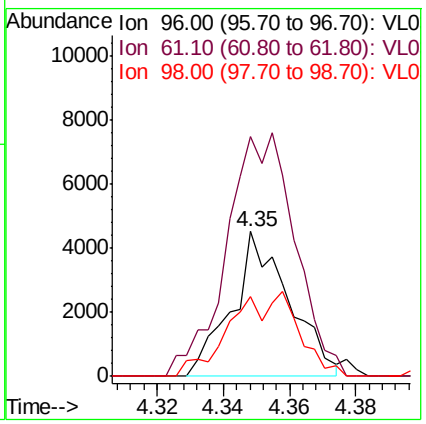


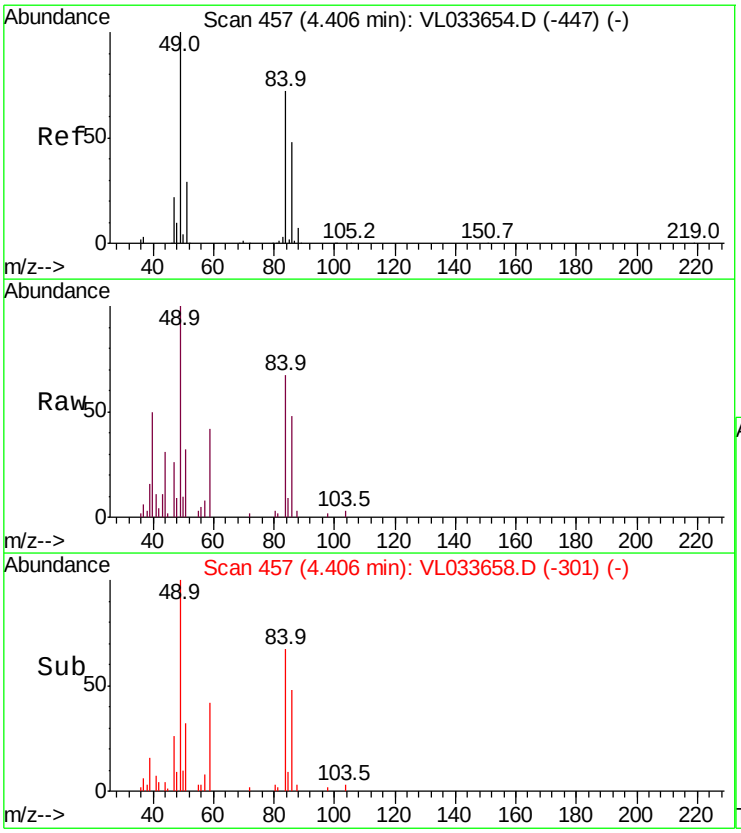
#18
1,1-Dichloroethene
Concen: 0.106 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 5401

Ion	Ratio	Lower	Upper
96	100		
61	151.8	143.4	215.0
98	48.0	50.4	75.6#

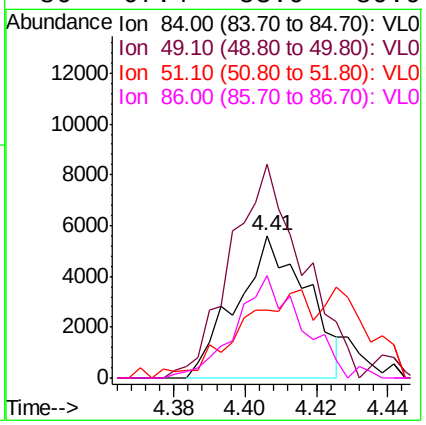


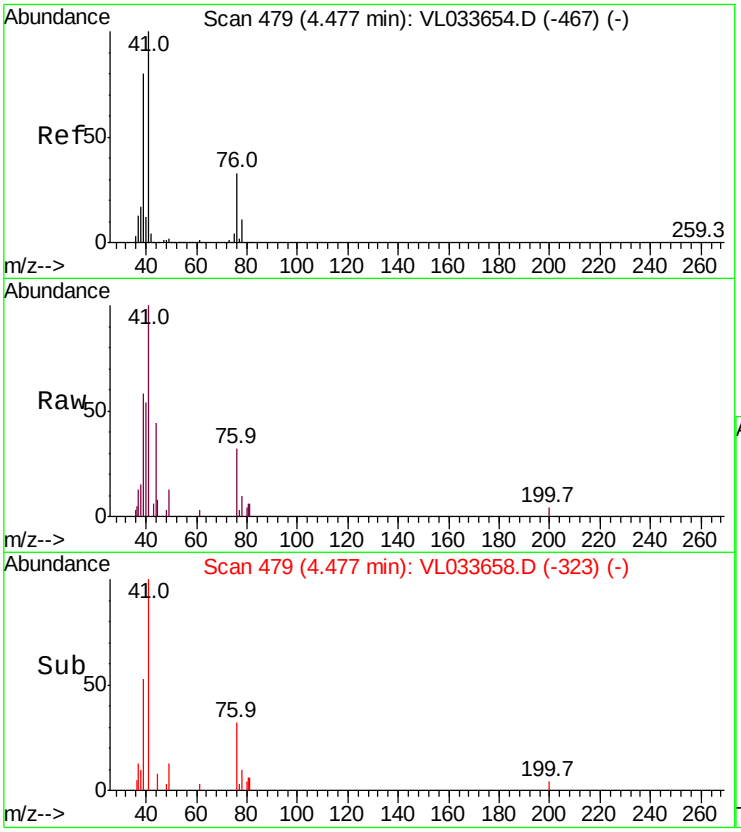


#20
Methylene Chloride
Concen: 0.168 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 84 Resp: 7648

Ion	Ratio	Lower	Upper
84	100		
49	151.4	111.8	167.6
51	42.2	32.3	48.5
86	67.4	53.9	80.9



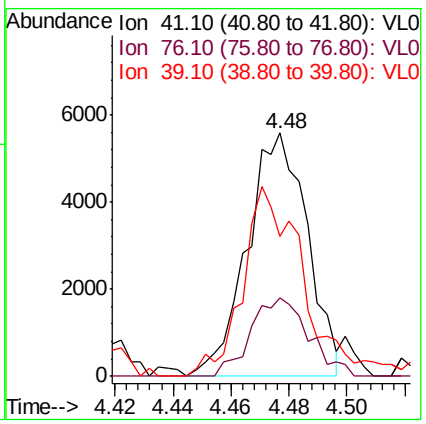


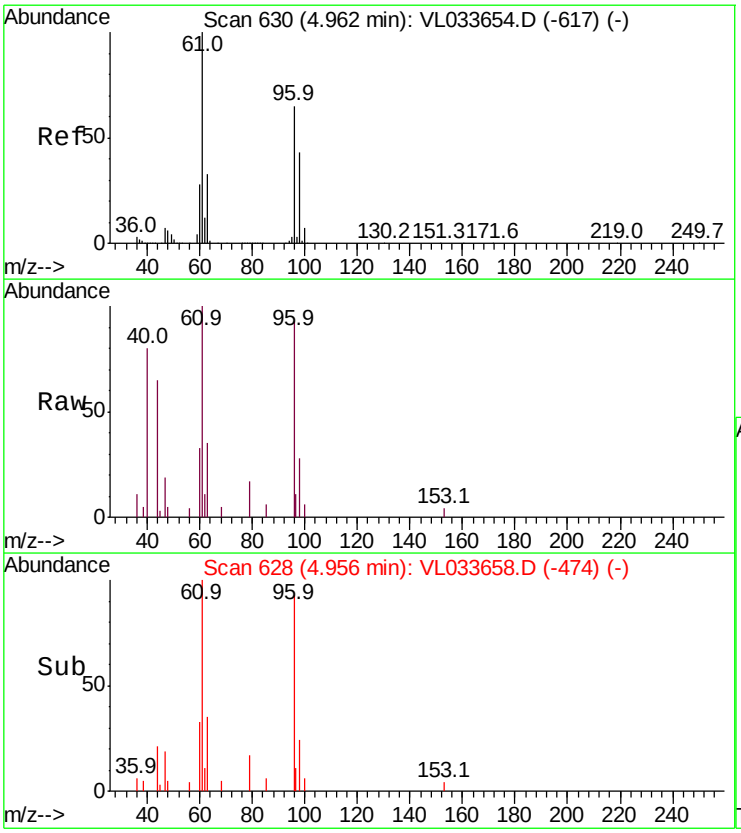
#21
Allyl Chloride
Concen: 0.110 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 8024

Ion	Ratio	Lower	Upper
41	100		
76	31.2	26.0	39.0
39	82.1	64.4	96.6

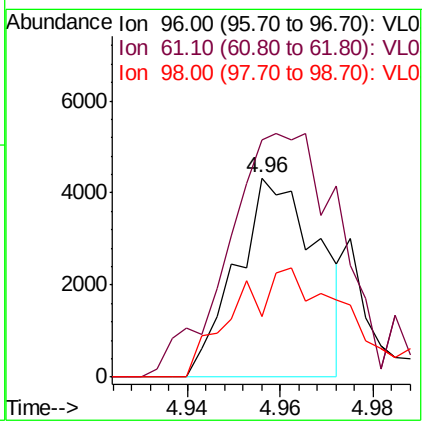


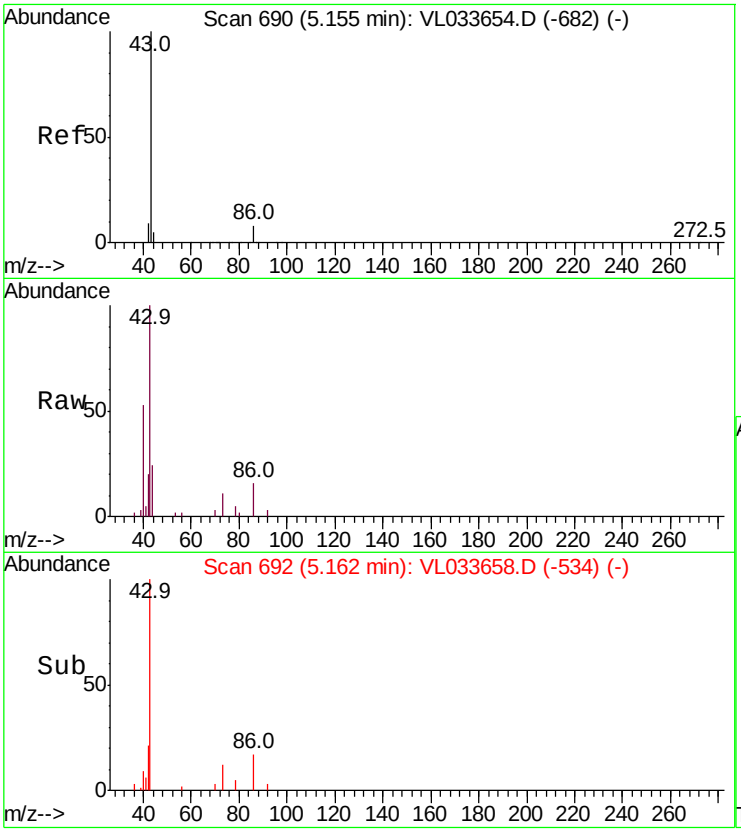


#22
trans-1,2-Dichloroethene
Concen: 0.105 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 96 Resp: 5261

Ion	Ratio	Lower	Upper
96	100		
61	85.3	123.1	184.7#
98	27.1	52.6	79.0#



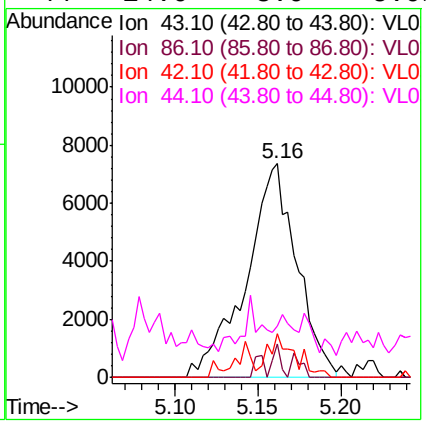


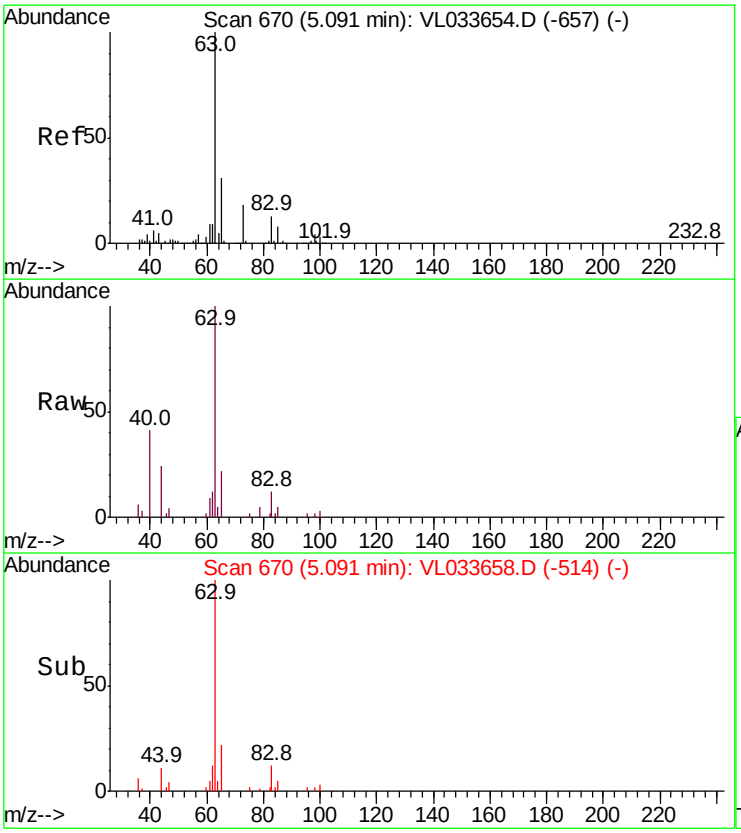
#23
Vinyl Acetate
Concen: 0.093 ppbv
RT: 5.16 min Scan# 692
Delta R.T. 0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 15606

Ion	Ratio	Lower	Upper
43	100		
86	15.7	6.0	9.0#
42	20.2	8.0	12.0#
44	14.0	3.9	5.9#

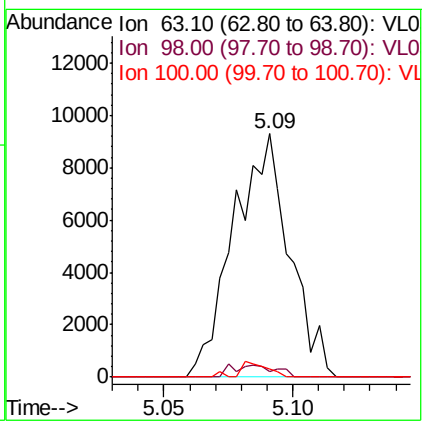


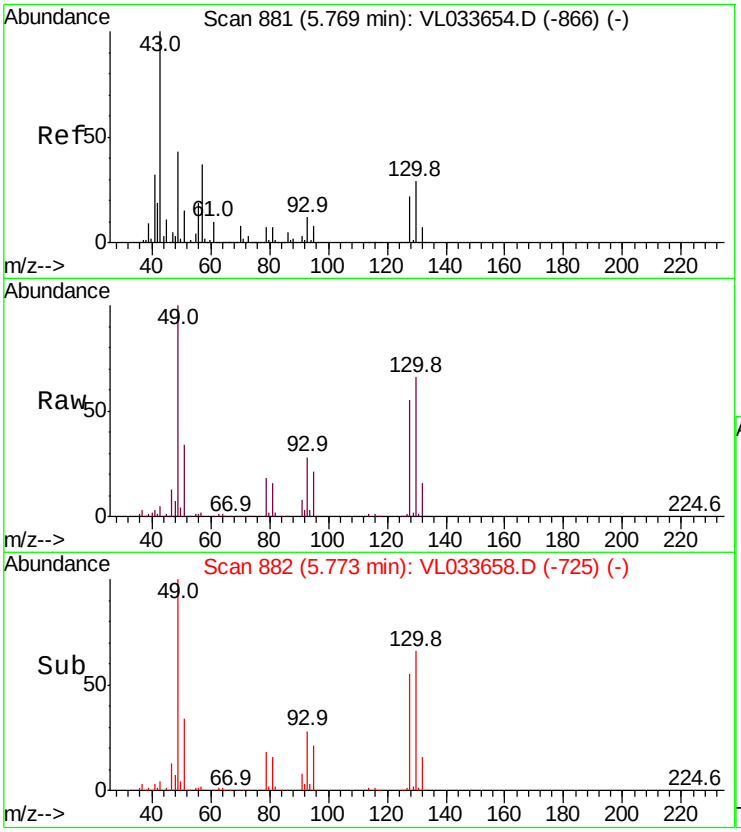


#24
1,1-Dichloroethane
Concen: 0.112 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 63 Resp: 14085

Ion	Ratio	Lower	Upper
63	100		
98	2.1	2.1	6.2
100	3.3	1.5	4.4



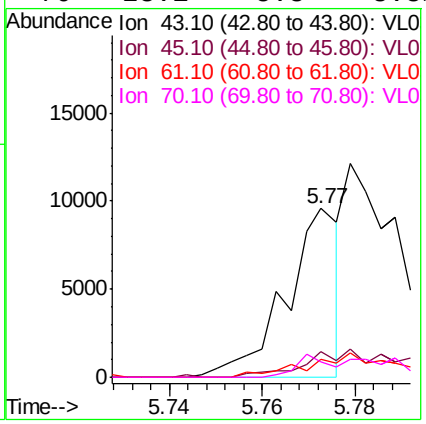


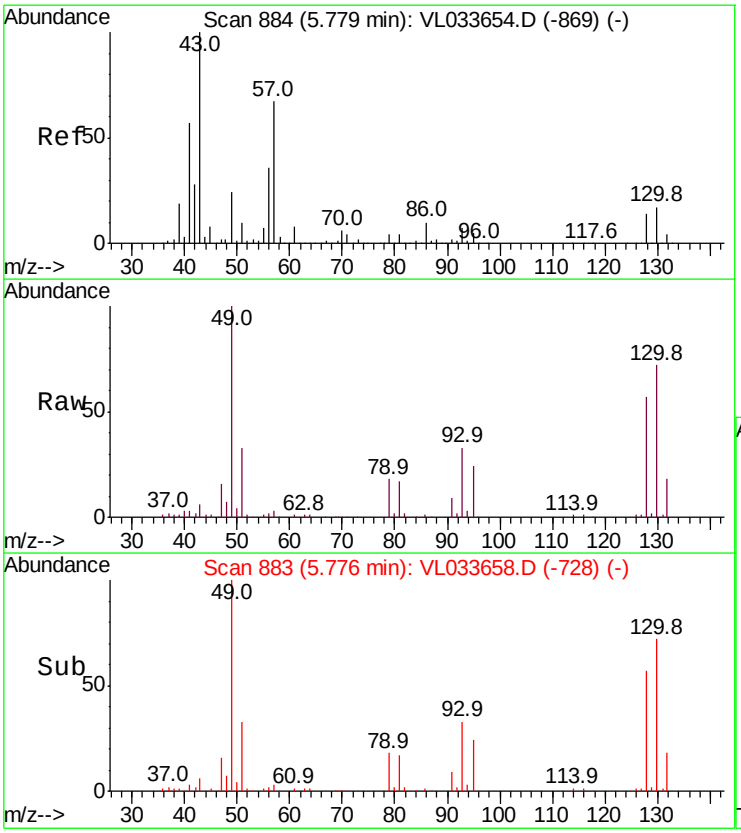
#25
Ethyl Acetate
Concen: 0.036 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 7659

Ion	Ratio	Lower	Upper
43	100		
45	1.0	8.0	12.0#
61	0.0	7.5	11.3#
70	23.1	5.8	8.8#

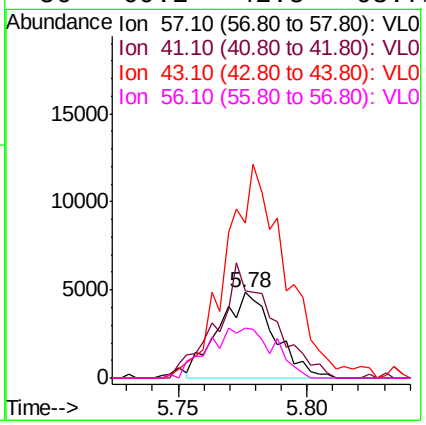


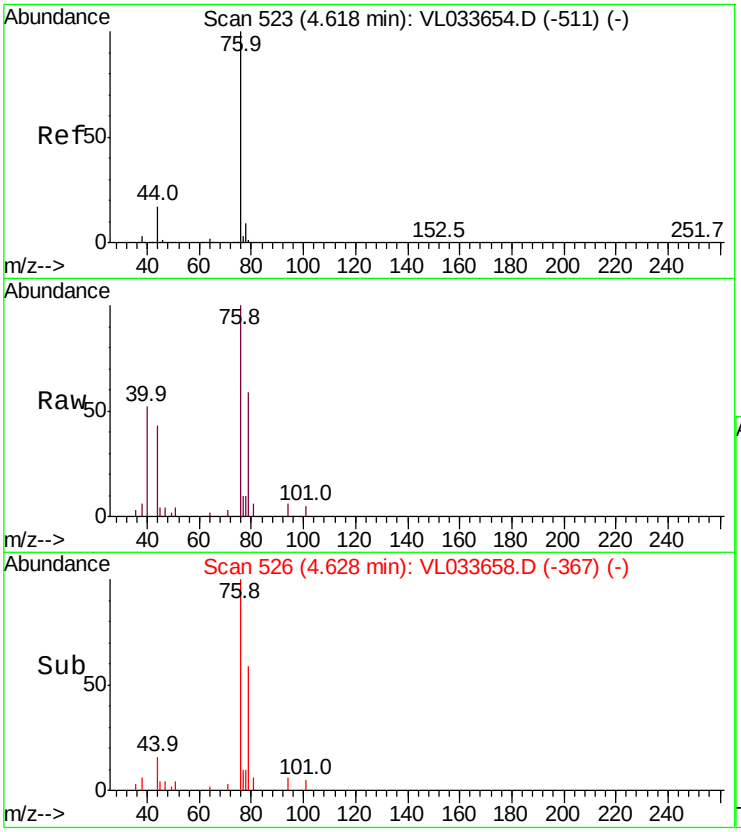


#26
Hexane
Concen: 0.081 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 57 Resp: 7344

Ion	Ratio	Lower	Upper
57	100		
41	132.2	69.7	104.5#
43	271.8	181.9	272.9
56	69.2	42.5	63.7#



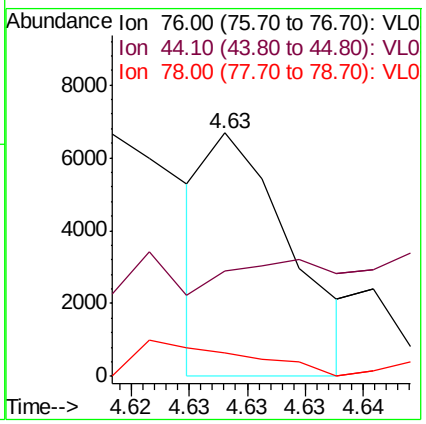


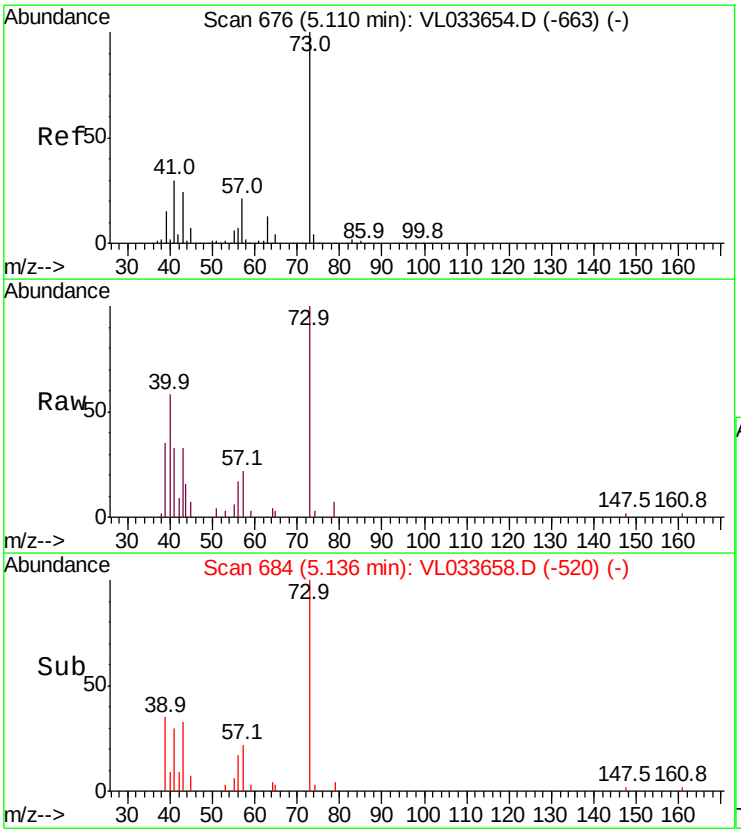
#27
Carbon Disulfide
Concen: 0.029 ppbv
RT: 4.63 min Scan# 526
Delta R.T. 0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 3318

Ion	Ratio	Lower	Upper
76	100		
44	222.8	14.4	21.6#
78	29.6	7.4	11.2#

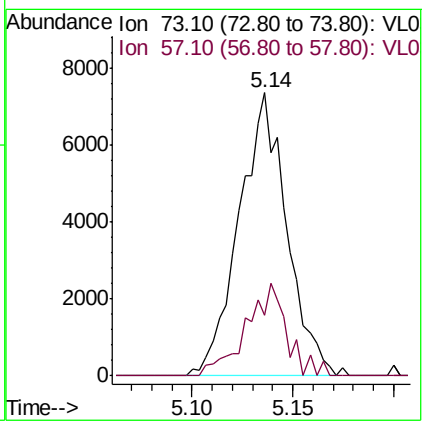


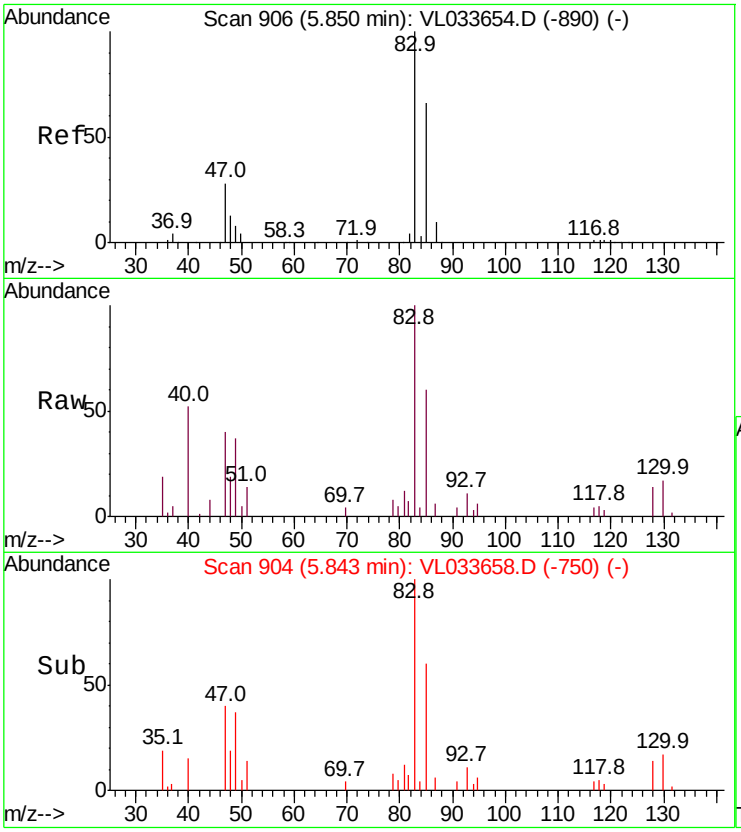


#28
Methyl tert-Butyl Ether
Concen: 0.080 ppbv
RT: 5.14 min Scan# 684
Delta R.T. 0.03 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 73 Resp: 12142

Ion	Ratio	Lower	Upper
73	100		
57	27.7	17.4	26.0#



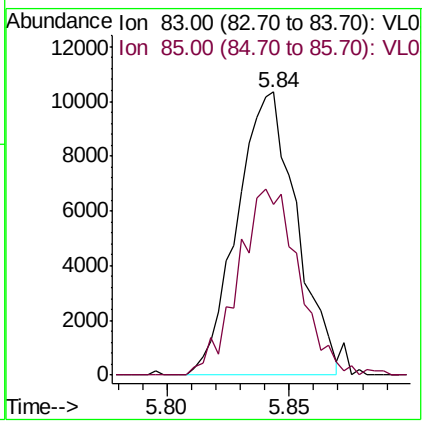


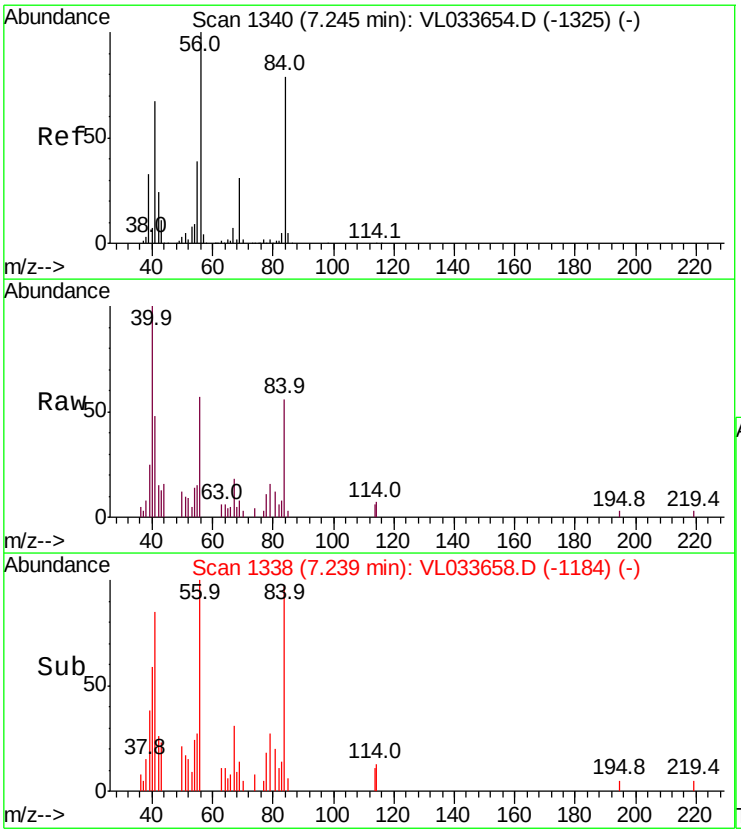
#29
Chloroform
Concen: 0.105 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 17510

Ion	Ratio	Lower	Upper
83	100		
85	57.7	52.6	78.8

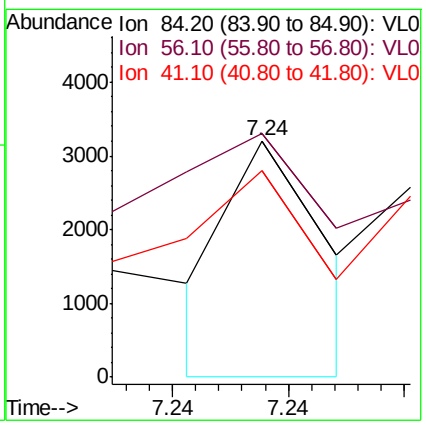


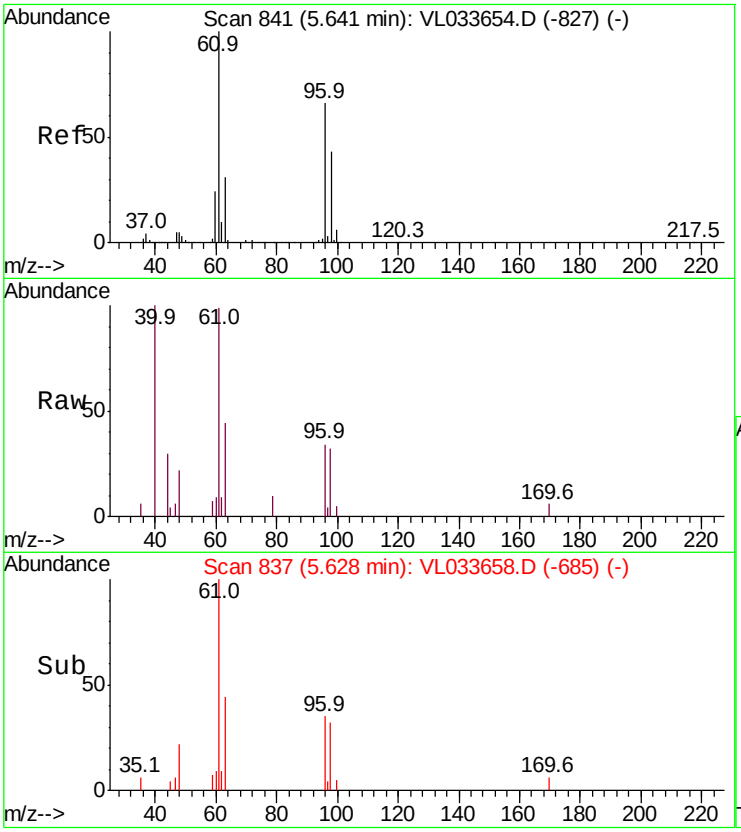


#30
Cyclohexane
Concen: 0.012 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 84 Resp: 939

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.0	160.4#
41	554.7	66.6	99.8#



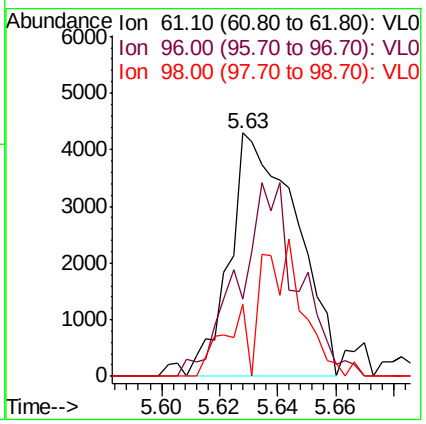


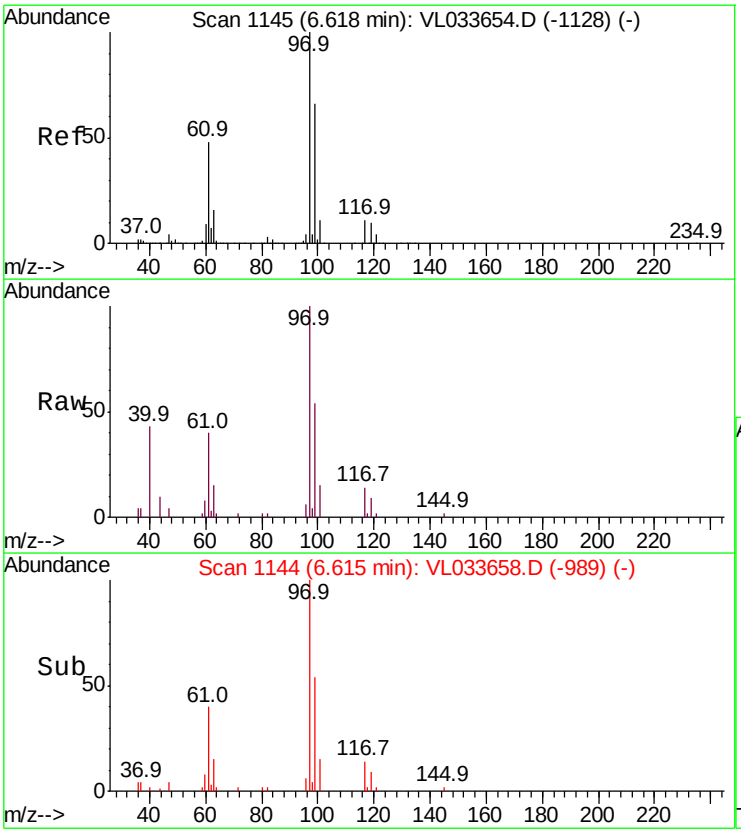
#31
cis-1,2-Dichloroethene
Concen: 0.075 ppbv
RT: 5.63 min Scan# 837
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 6841

Ion	Ratio	Lower	Upper
61	100		
96	26.6	53.2	79.8#
98	29.4	34.2	51.4#

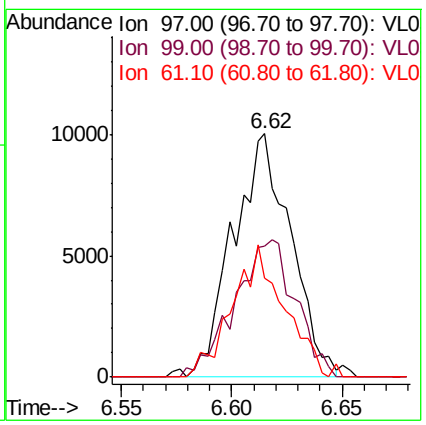


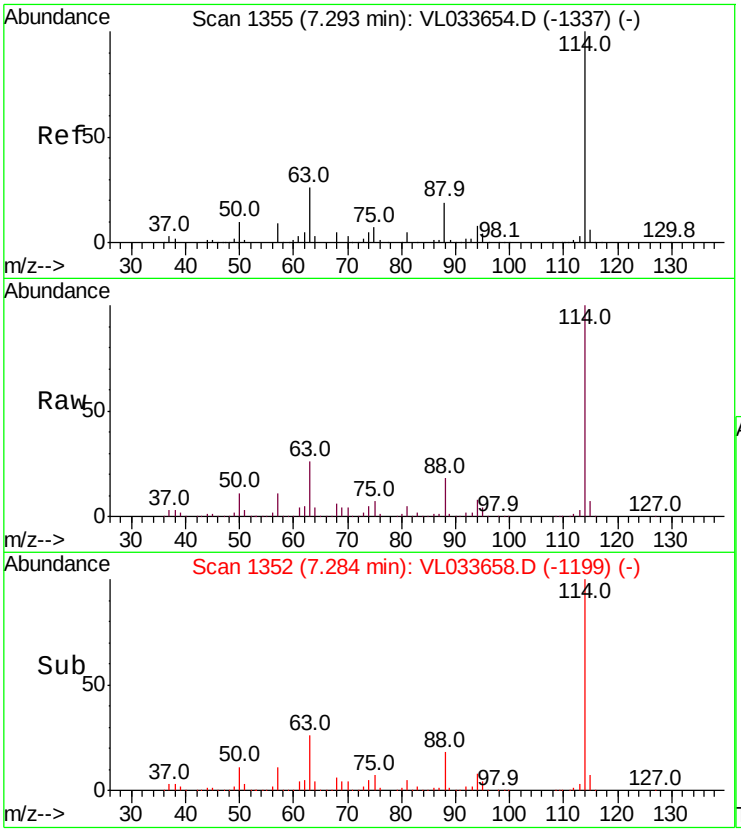


#32
1,1,1-Trichloroethane
Concen: 0.104 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 97 Resp: 18055

Ion	Ratio	Lower	Upper
97	100		
99	59.7	51.5	77.3
61	49.2	38.5	57.7



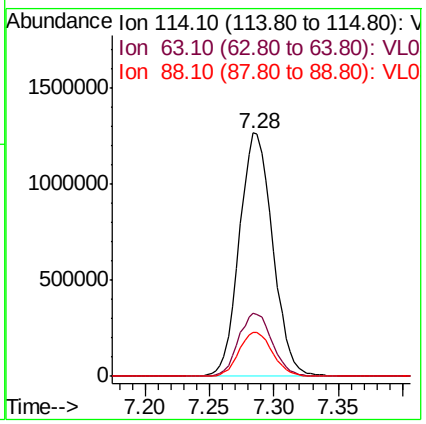


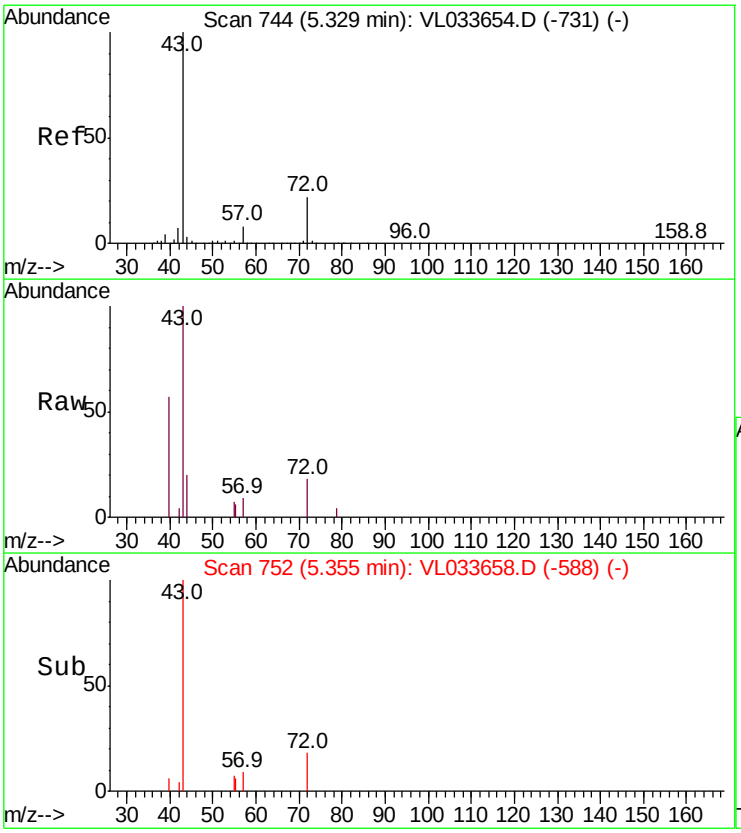
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2285348

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.2	31.8
88	18.3	14.4	21.6

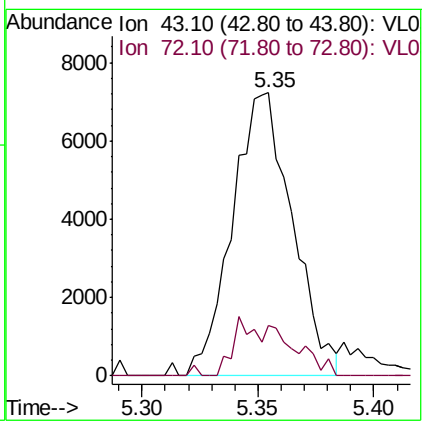


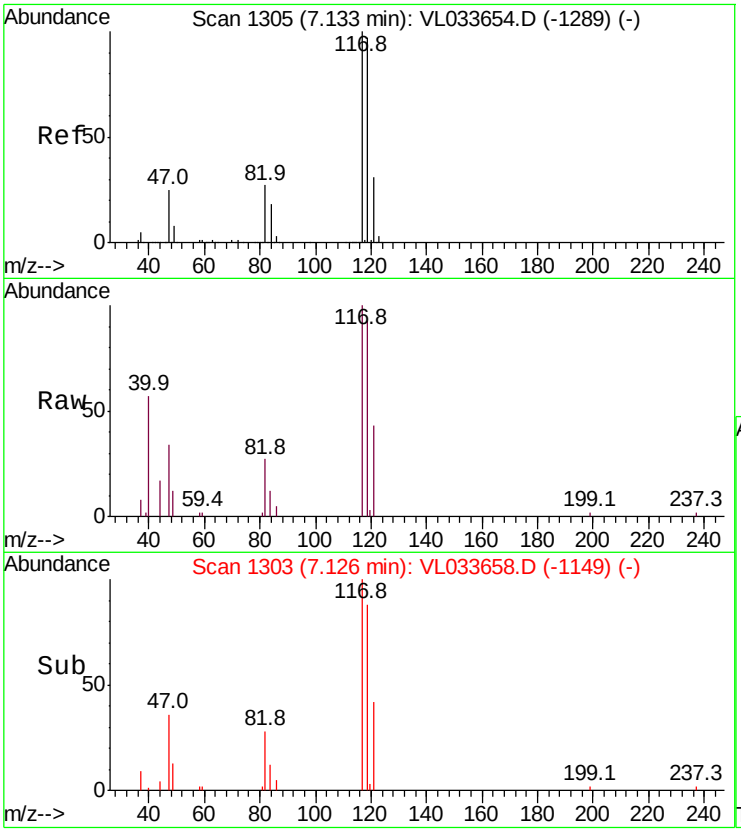


#34
2-Butanone
Concen: 0.092 ppbv
RT: 5.35 min Scan# 752
Delta R.T. 0.03 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 43 Resp: 13038

Ion	Ratio	Lower	Upper
43	100		
72	18.4	17.4	26.2



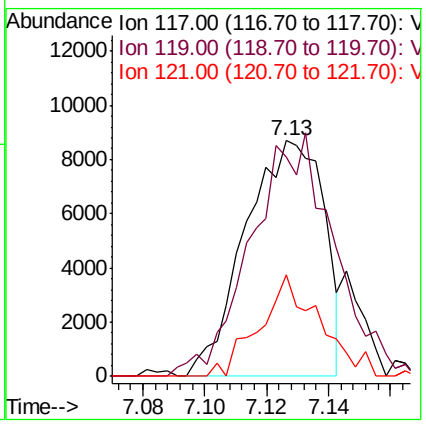


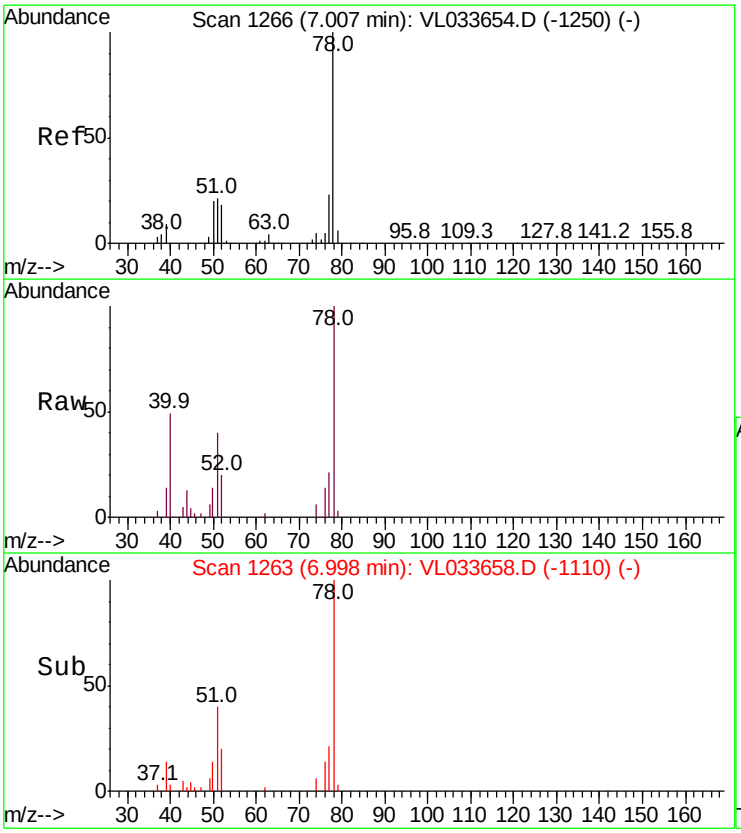
#35
Carbon Tetrachloride
Concen: 0.084 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 15353

Ion	Ratio	Lower	Upper
117	100		
119	89.7	77.9	116.9
121	42.9	25.0	37.6#

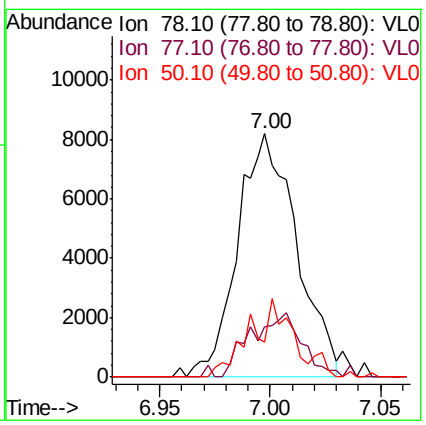


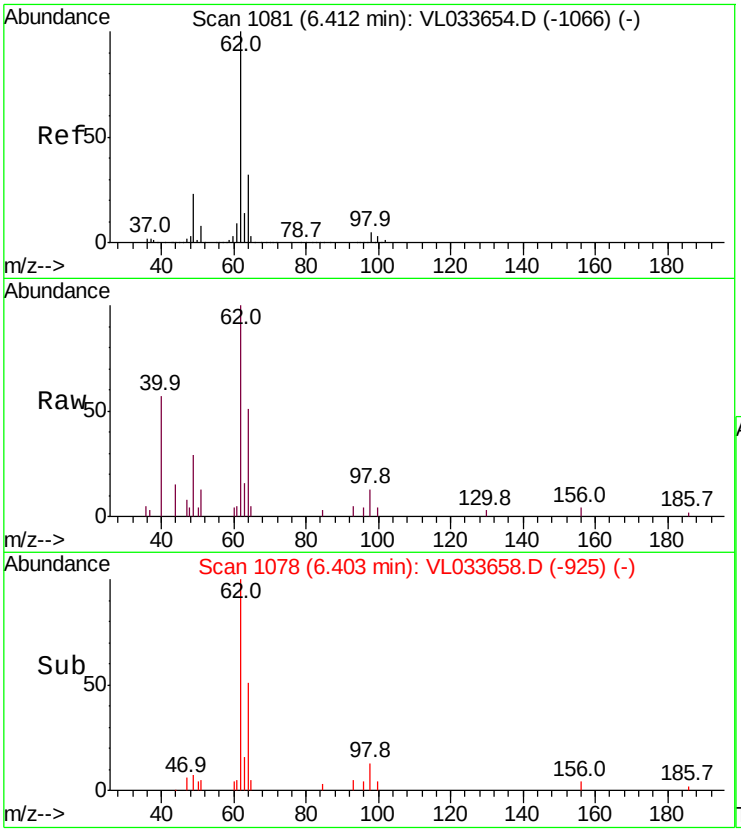


#36
Benzene
Concen: 0.077 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 78 Resp: 15178

Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.2	27.2
50	14.2	15.8	23.6#



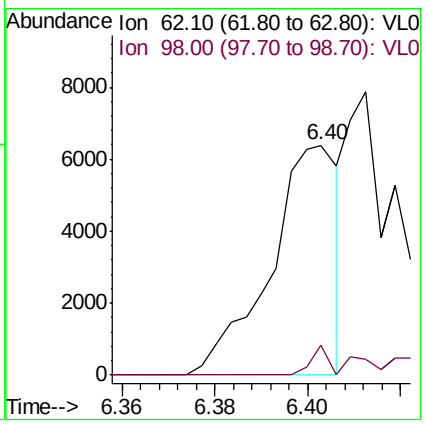


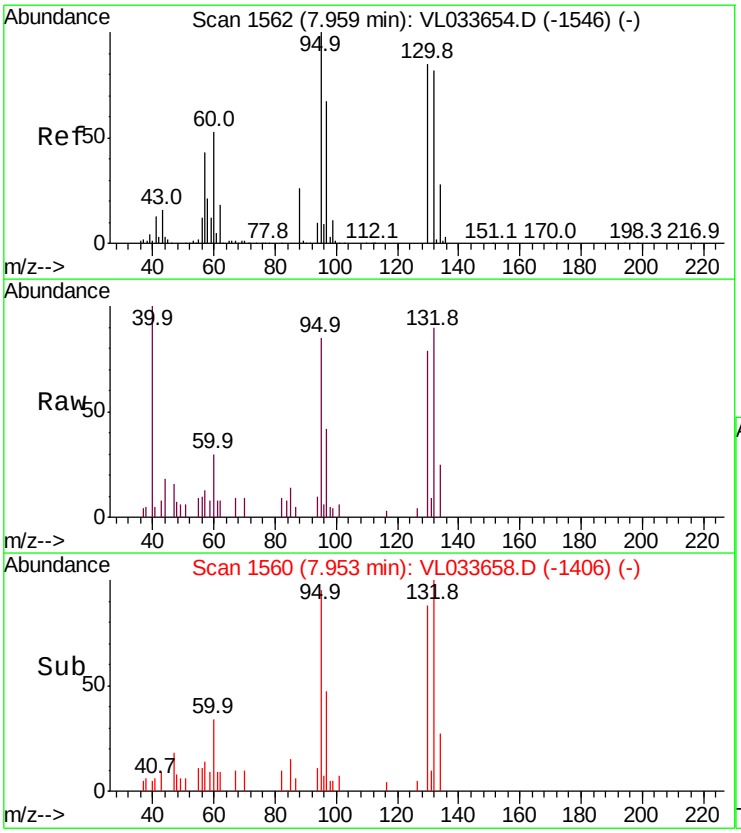
#37
1,2-Dichloroethane
Concen: 0.049 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 6488

Ion	Ratio	Lower	Upper
62	100		
98	9.4	4.5	6.7#

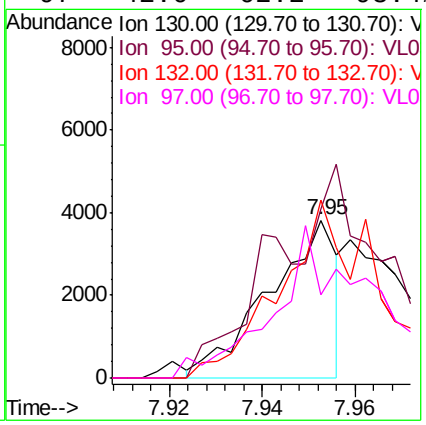


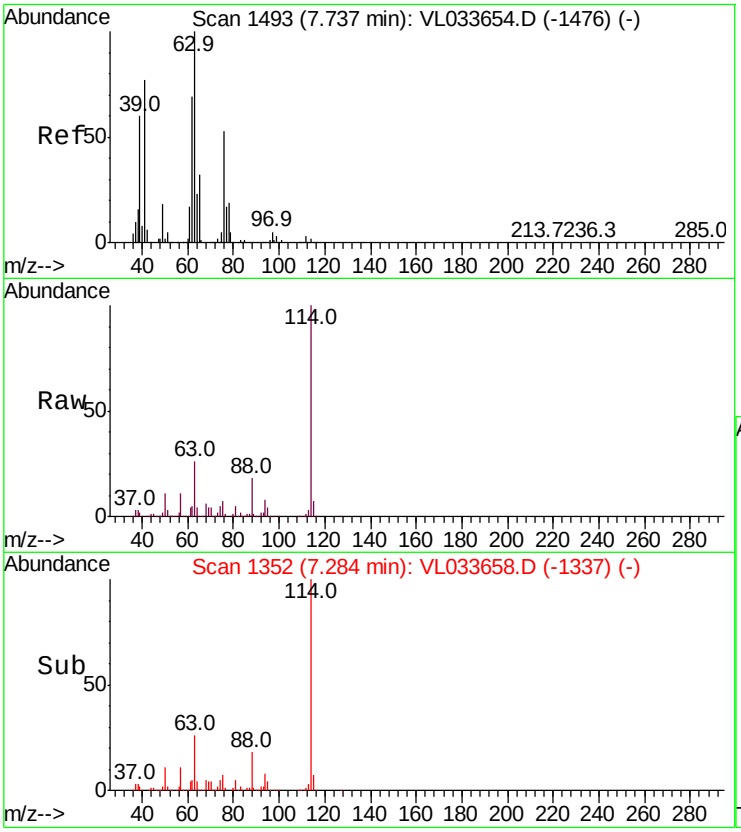


#38
Trichloroethene
Concen: 0.049 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:130 Resp: 3859

Ion	Ratio	Lower	Upper
130	100		
95	120.9	93.4	140.0
132	118.9	76.2	114.4#
97	42.0	62.2	93.4#



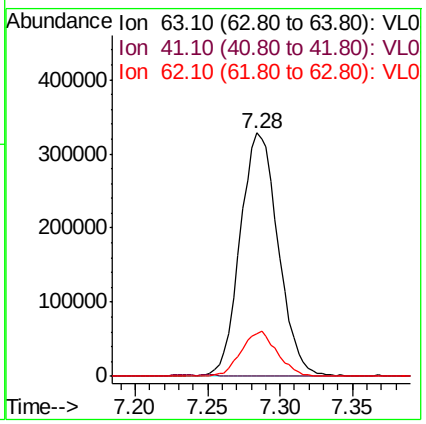


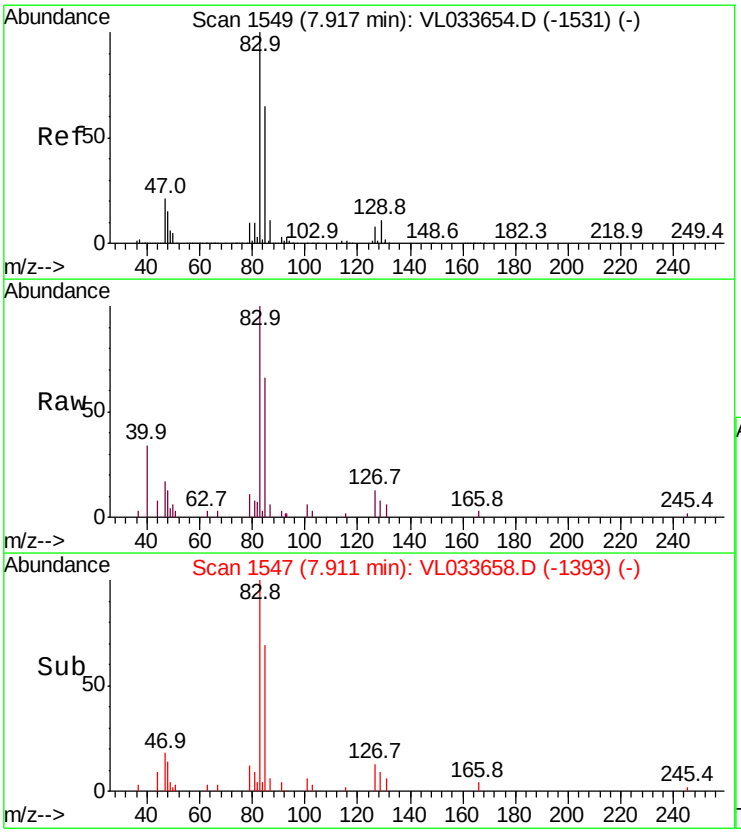
#39
1,2-Dichloropropane
Concen: 8.042 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 596564

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.6	92.4#
62	17.7	55.0	82.6#

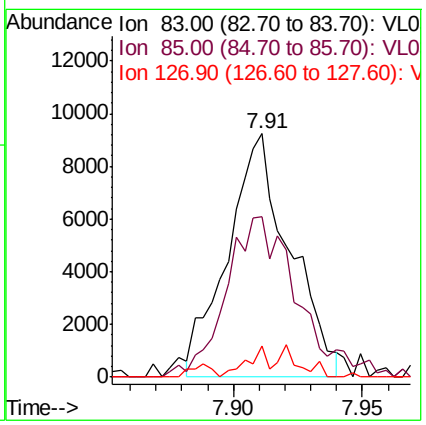


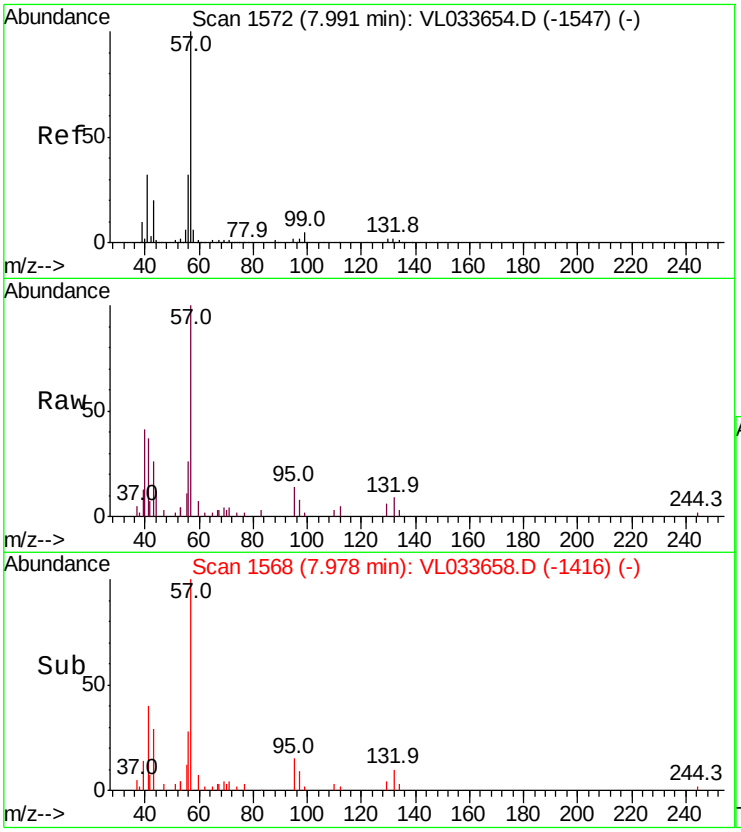


#42
Bromodichloromethane
Concen: 0.087 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 83 Resp: 15538

Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.4	78.6
127	13.6	6.6	9.8#



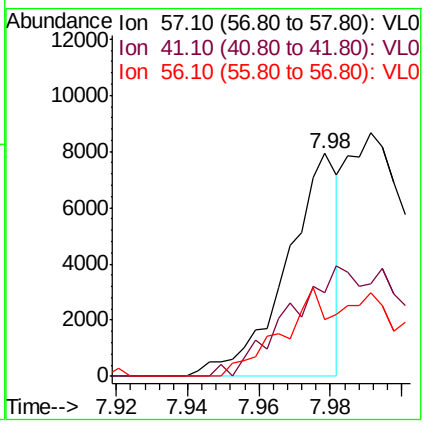


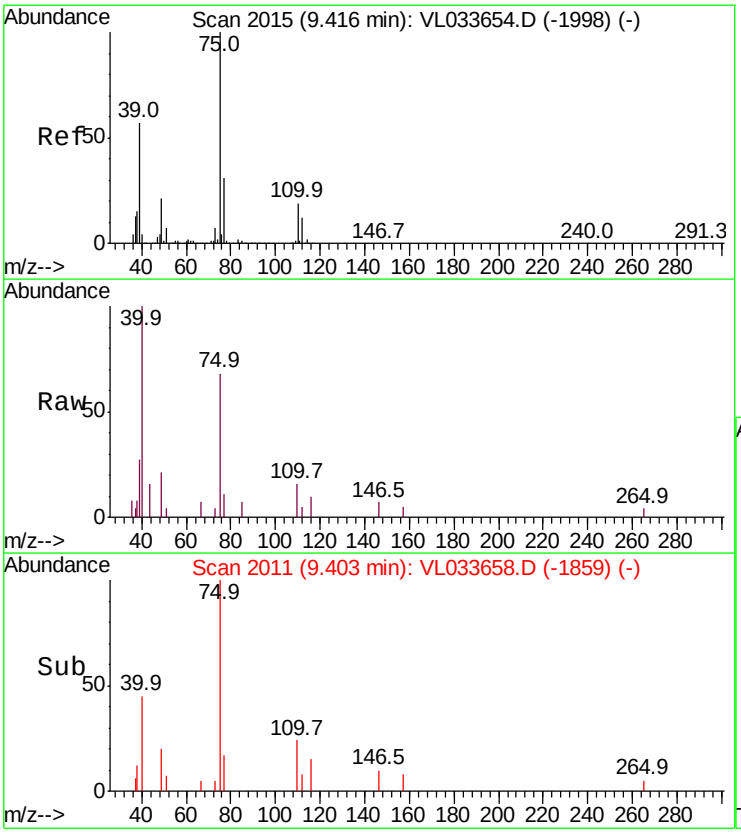
#44
2,2,4-Trimethylpentane
Concen: 0.023 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 7982

Ion	Ratio	Lower	Upper
57	100		
41	119.1	25.7	38.5#
56	89.0	25.0	37.6#

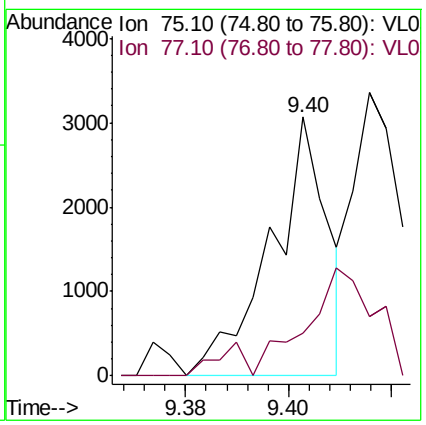


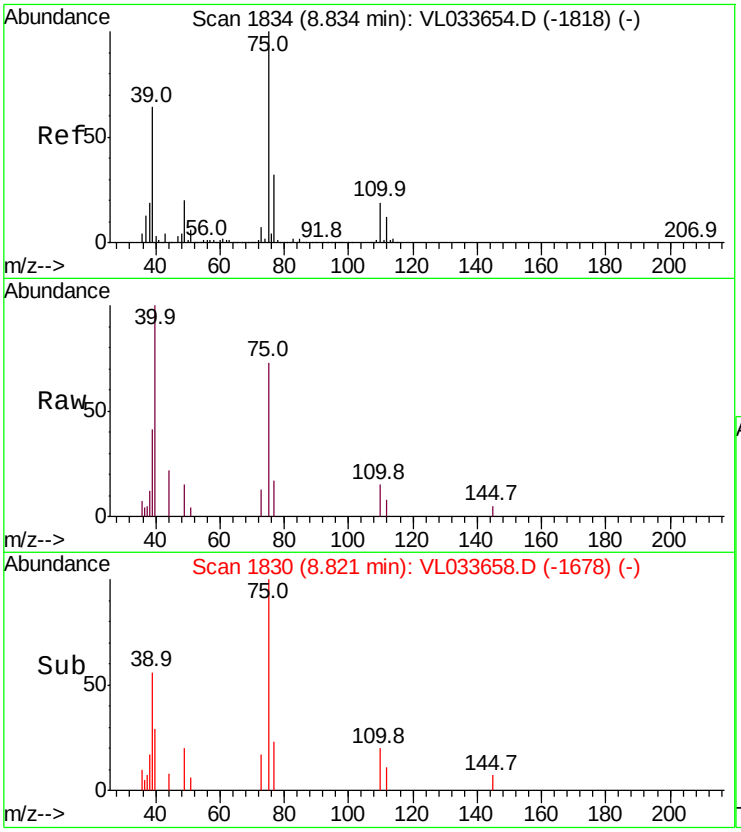


#45
t-1,3-Dichloropropene
Concen: 0.024 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 75 Resp: 2322

Ion	Ratio	Lower	Upper
75	100		
77	16.6	24.7	37.1#



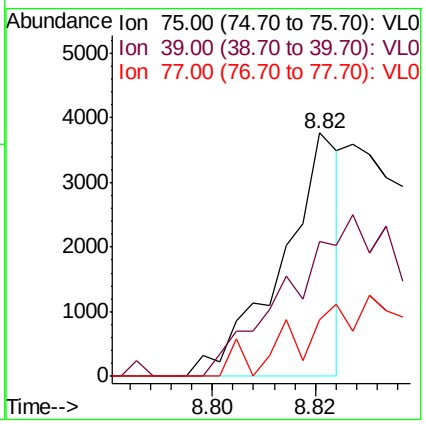


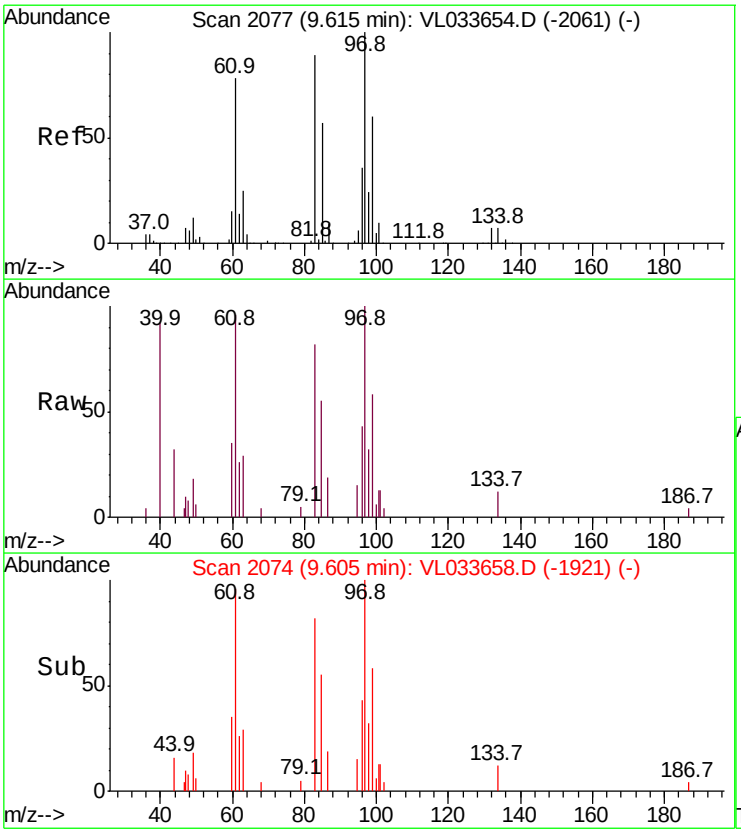
#46
cis-1,3-Dichloropropene
Concen: 0.026 ppbv
RT: 8.82 min Scan# 1830
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 2945

Ion	Ratio	Lower	Upper
75	100		
39	55.6	51.5	77.3
77	23.3	25.4	38.0#

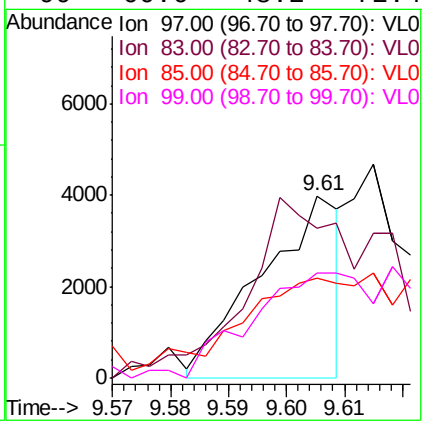


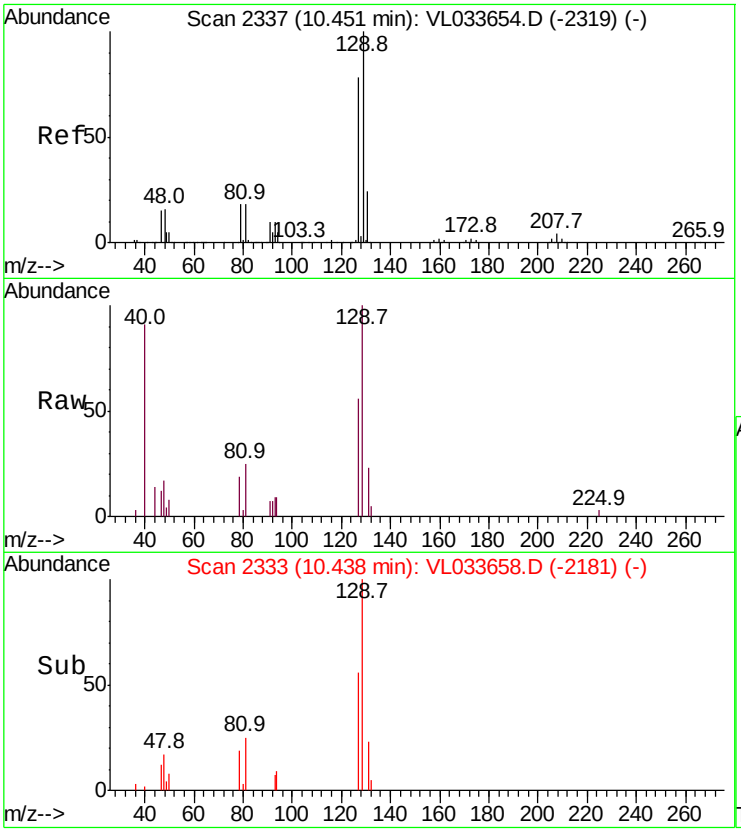


#47
1,1,2-Trichloroethane
Concen: 0.043 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 97 Resp: 3778

Ion	Ratio	Lower	Upper
97	100		
83	73.1	70.9	106.3
85	43.2	45.8	68.6#
99	60.6	48.2	72.4



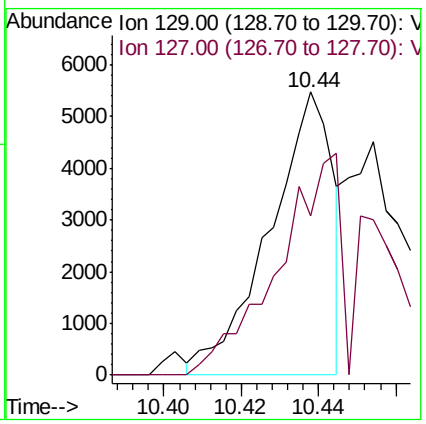


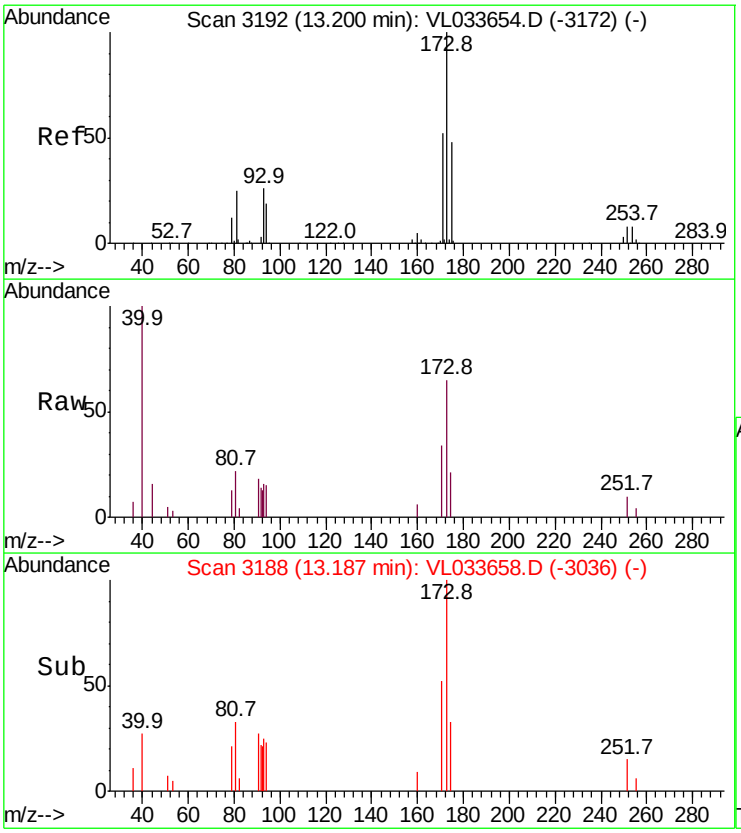
#48
Dibromochloromethane
Concen: 0.042 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 6242

Ion	Ratio	Lower	Upper
129	100		
127	74.9	39.1	117.2

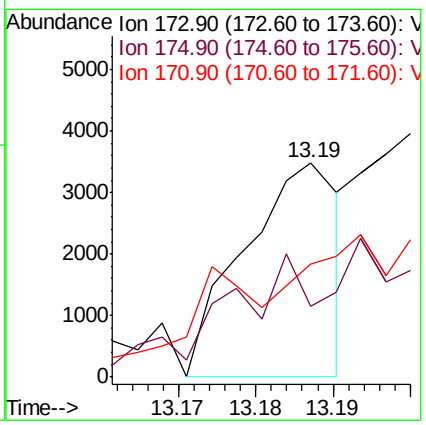


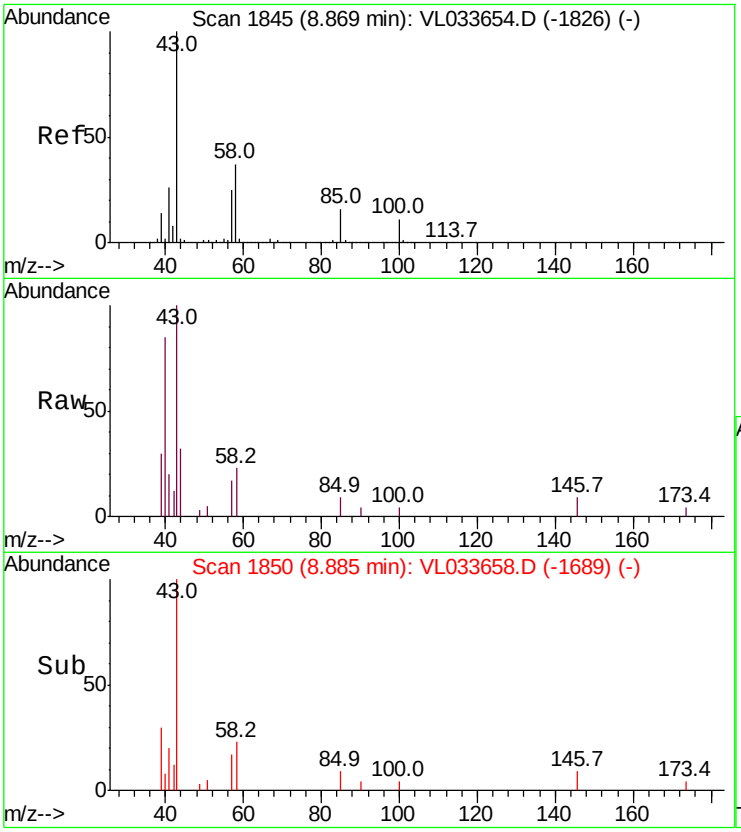


#49
Bromoform
Concen: 0.024 ppbv
RT: 13.19 min Scan# 3188
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:173 Resp: 2985

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.3	58.9#
171	0.0	41.5	62.3#



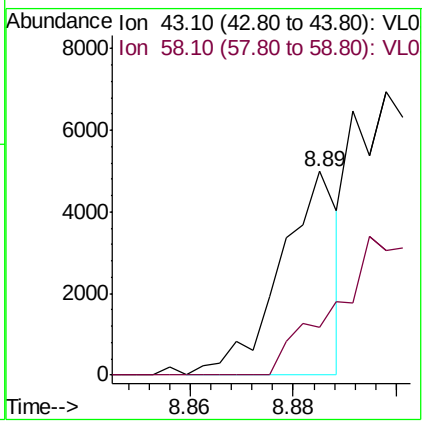


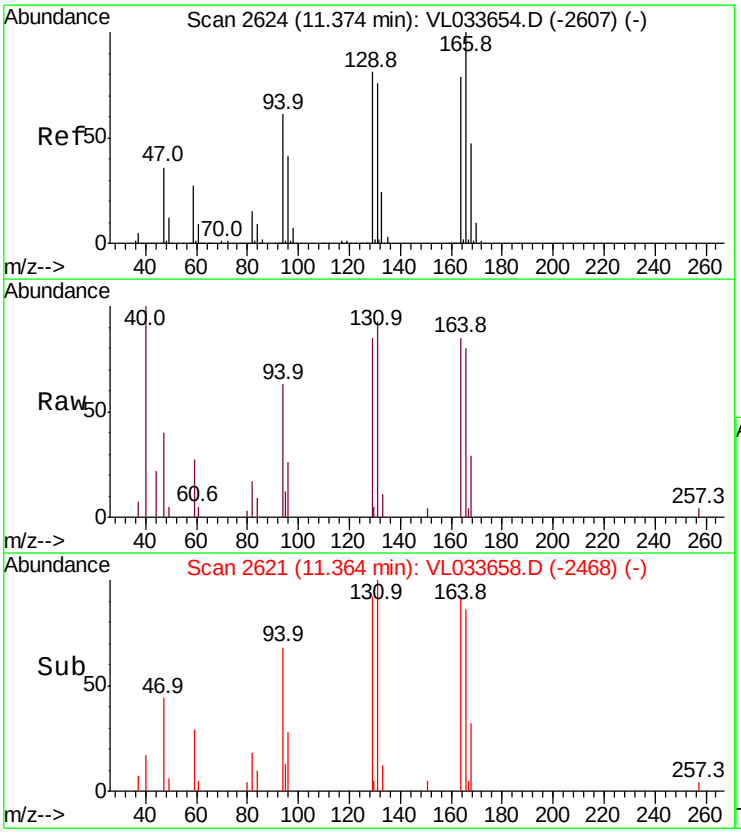
#50
4-Methyl-2-Pentanone
Concen: 0.017 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.02 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3860

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.8	43.2#

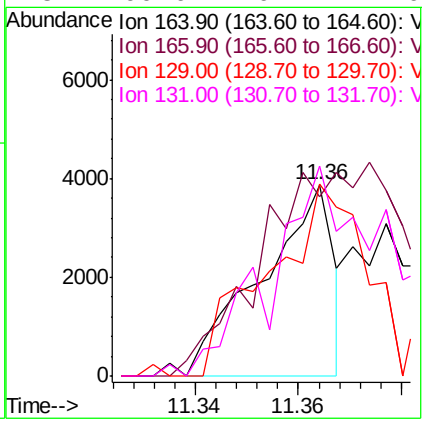


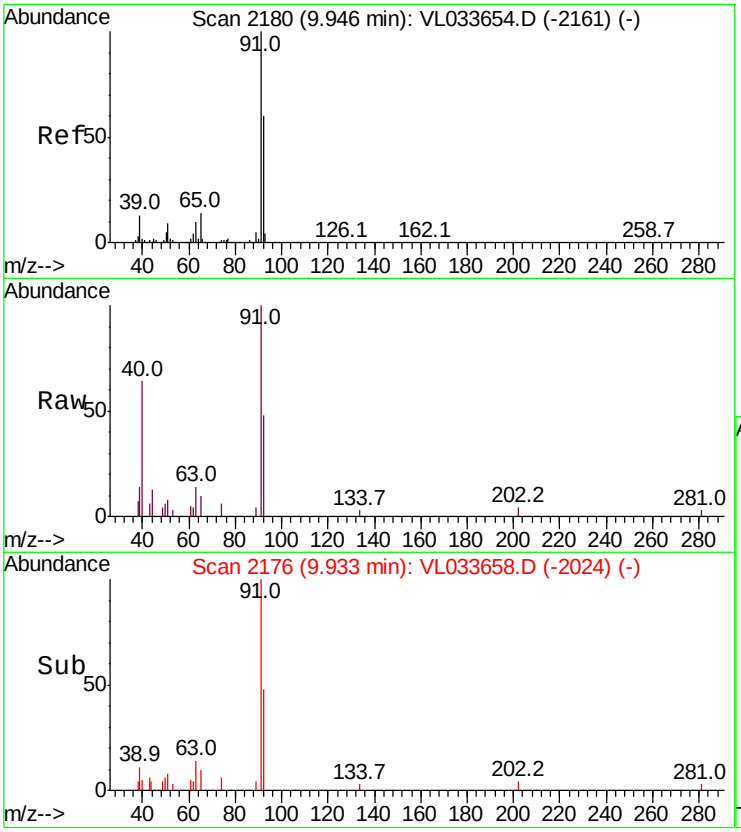


#52
Tetrachloroethene
Concen: 0.050 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:164 Resp: 3725

Ion	Ratio	Lower	Upper
164	100		
166	91.4	100.6	151.0#
129	106.1	81.0	121.6
131	109.6	76.4	114.6



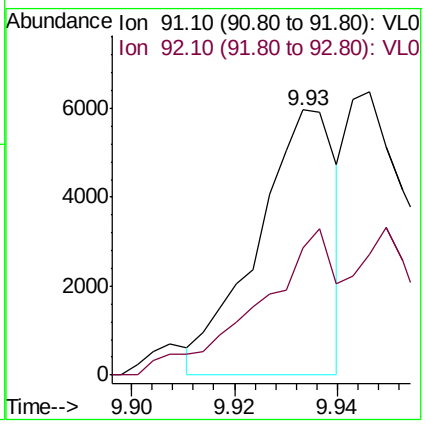


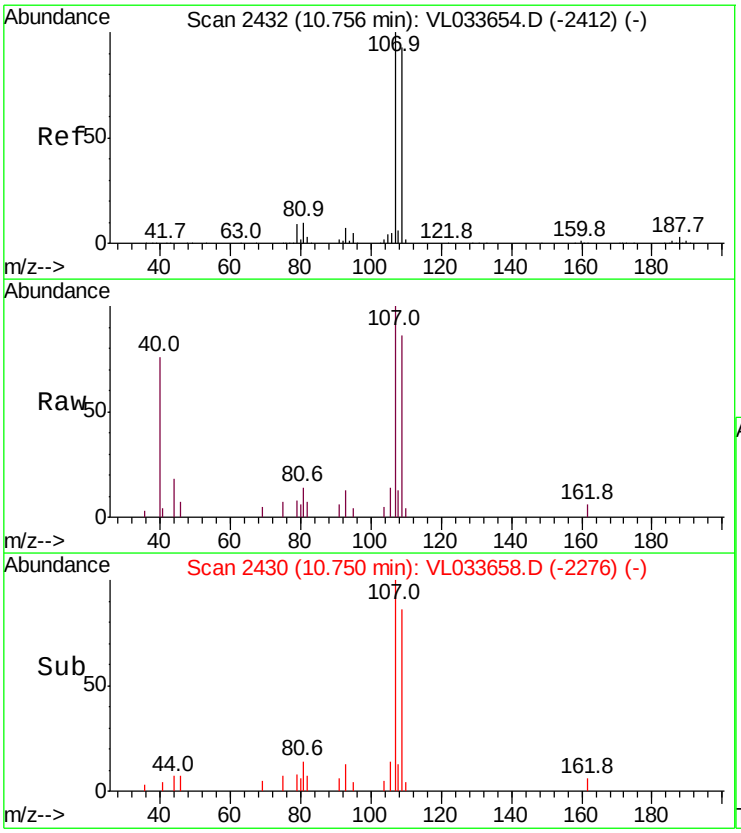
#53
Toluene
Concen: 0.028 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6286

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.8	71.6#

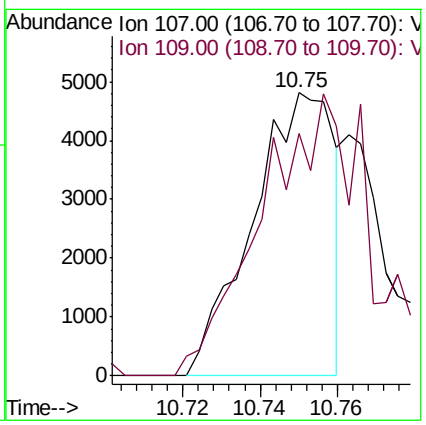


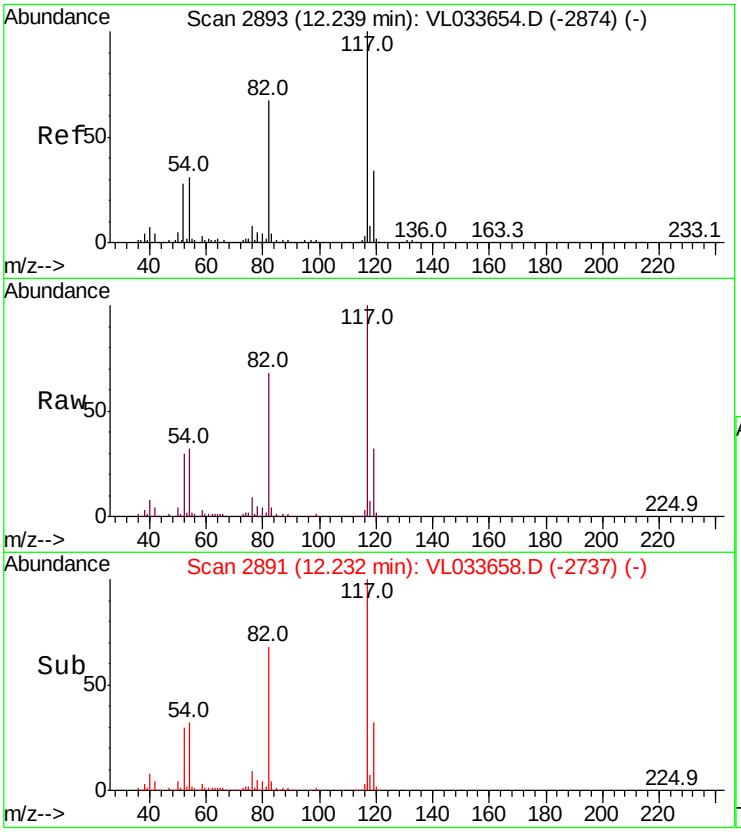


#54
1,2-Dibromoethane
Concen: 0.054 ppbv
RT: 10.75 min Scan# 2430
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:107 Resp: 7056

Ion	Ratio	Lower	Upper
107	100		
109	78.6	74.6	111.8



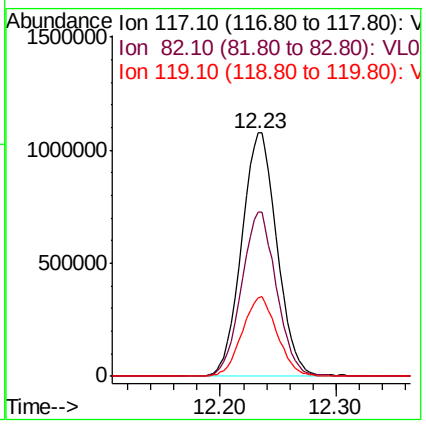


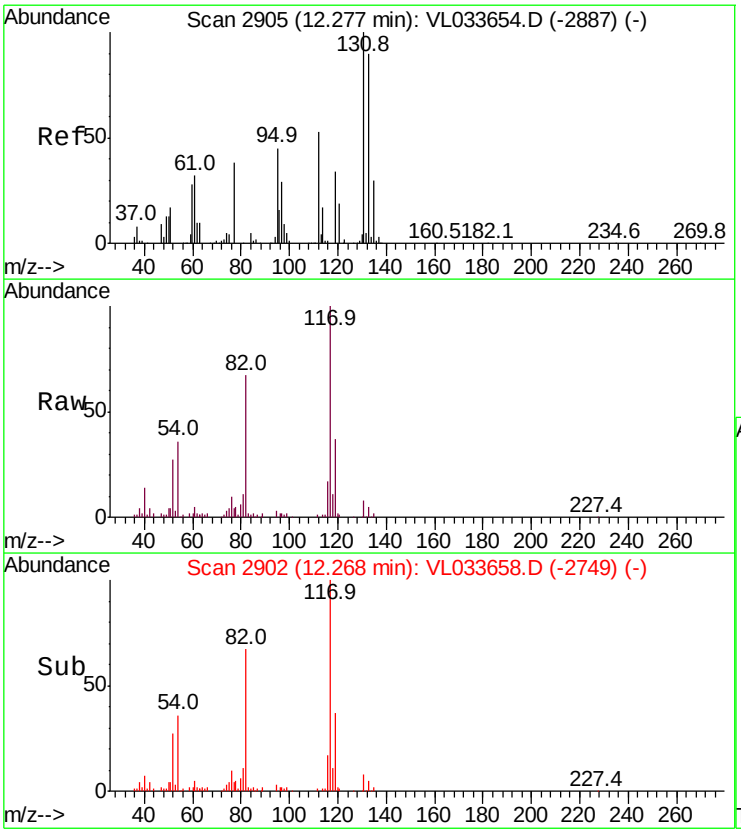
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2283294

Ion	Ratio	Lower	Upper
117	100		
82	67.1	49.7	74.5
119	32.6	23.3	34.9

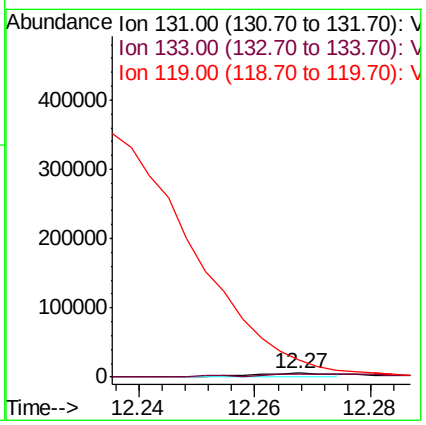


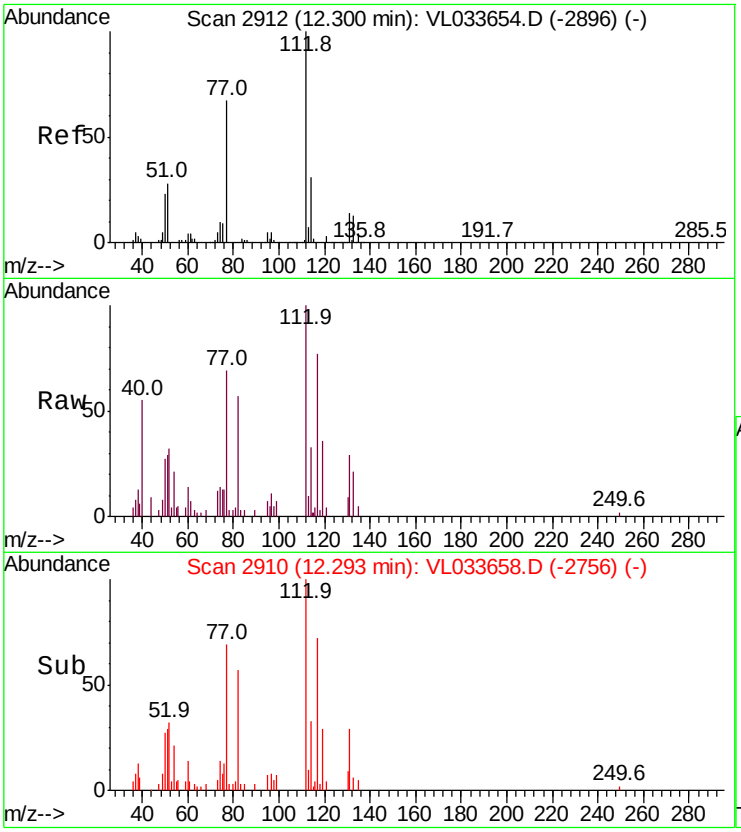


#56
1,1,1,2-Tetrachloroethane
Concen: 0.053 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:131 Resp: 5329

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.1	114.1#
119	0.0	49.4	74.0#



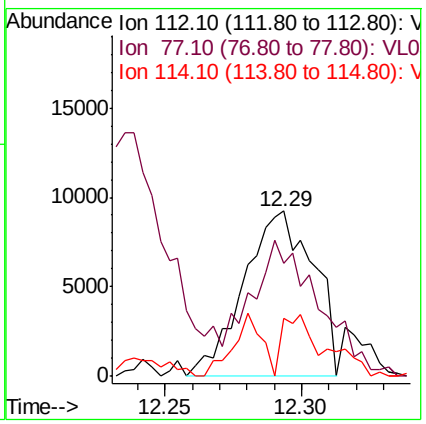


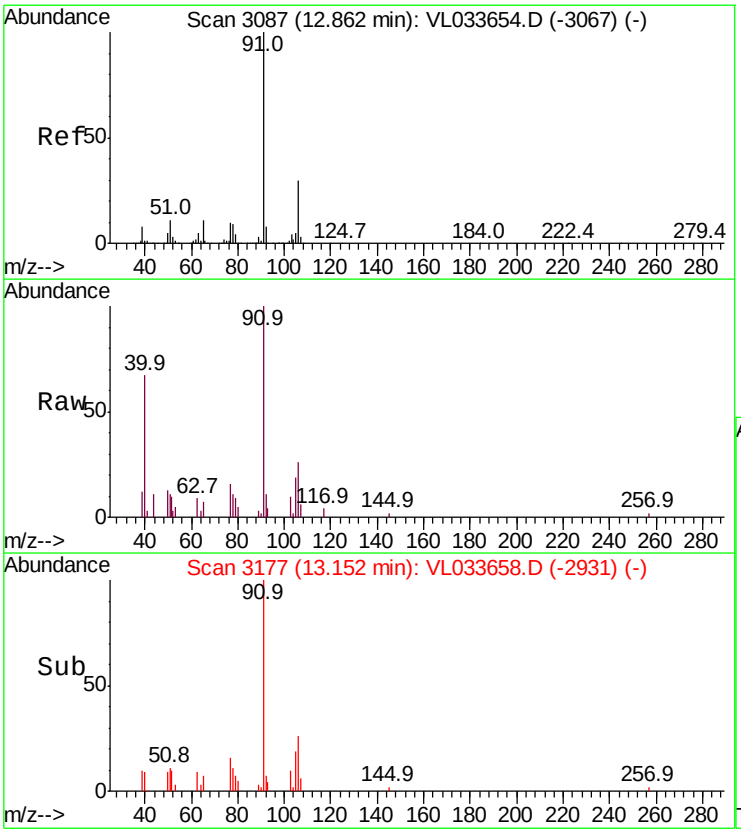
#57
Chlorobenzene
Concen: 0.091 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 16290

Ion	Ratio	Lower	Upper
112	100		
77	39.5	54.4	81.6#
114	30.8	28.2	34.4

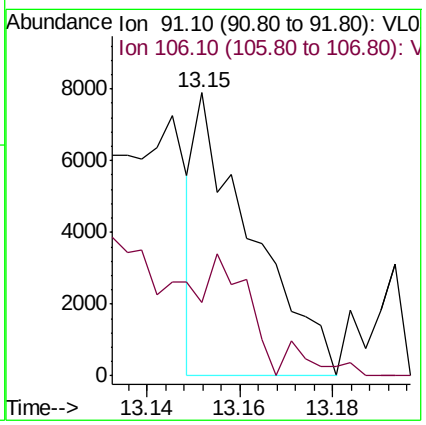


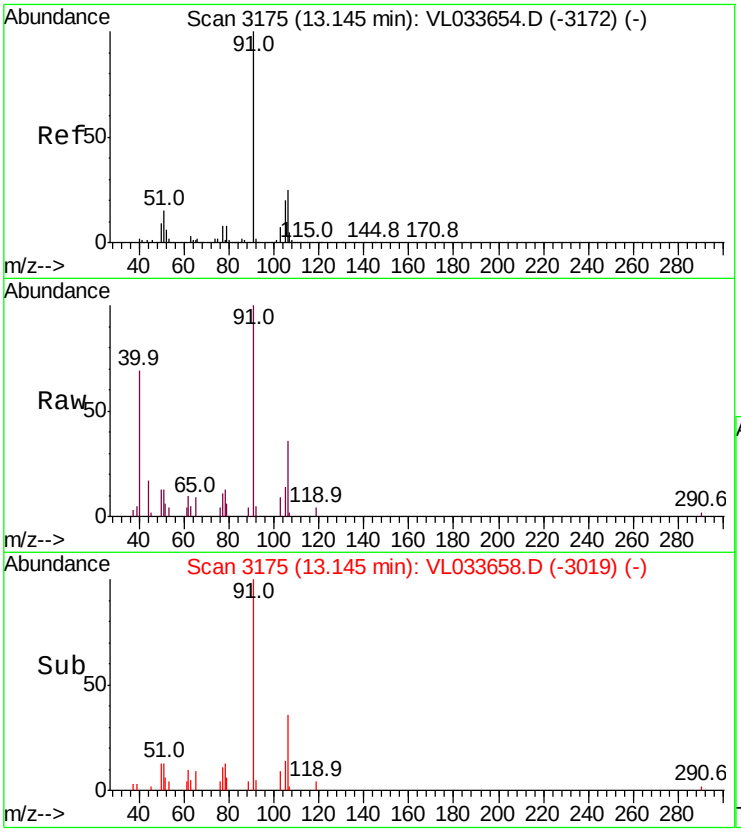


#58
Ethyl Benzene
Concen: 0.023 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.29 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 91 Resp: 6589

Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.7	35.5



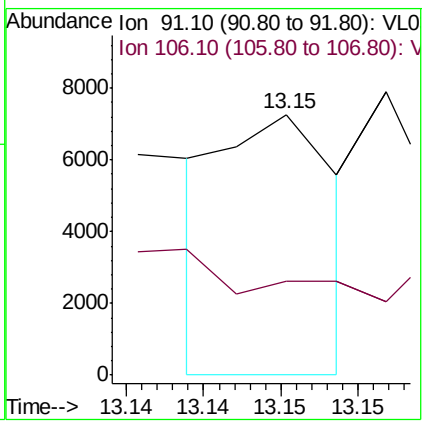


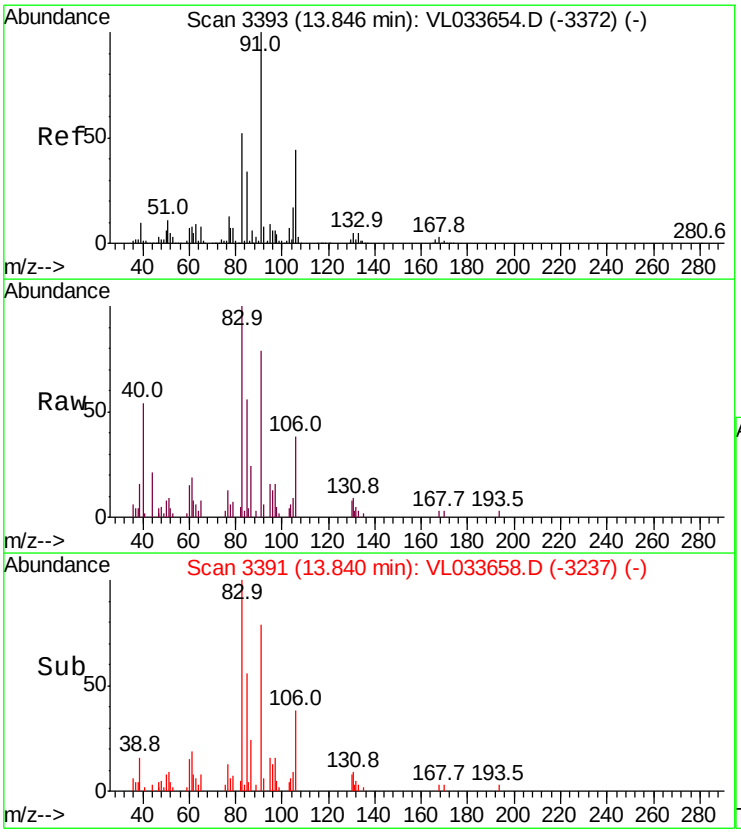
#59
m/p-Xylene
Concen: 0.015 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3703

Ion	Ratio	Lower	Upper
91	100		
106	168.5	35.9	53.9#

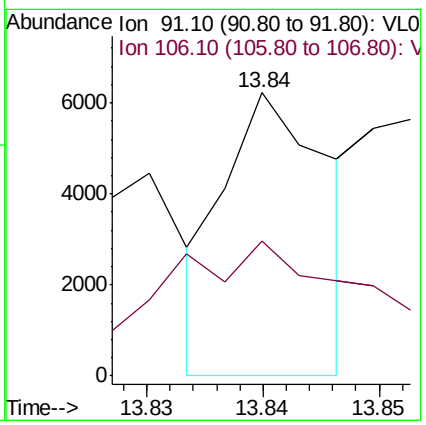


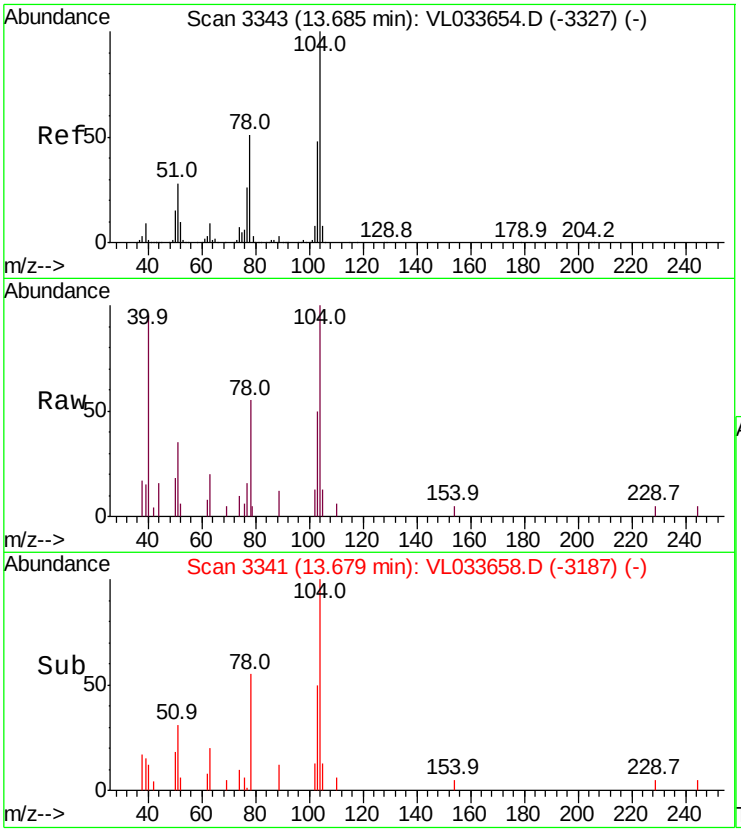


#60
o-Xylene
Concen: 0.016 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 91 Resp: 3886

Ion	Ratio	Lower	Upper
91	100		
106	135.7	21.7	65.1#



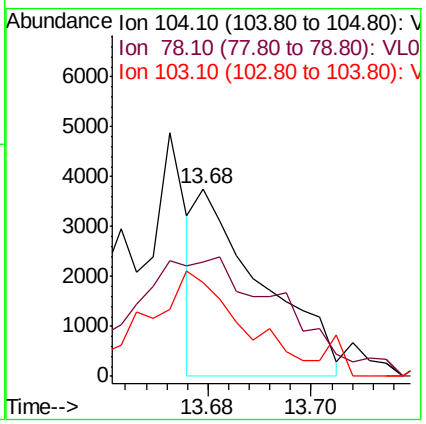


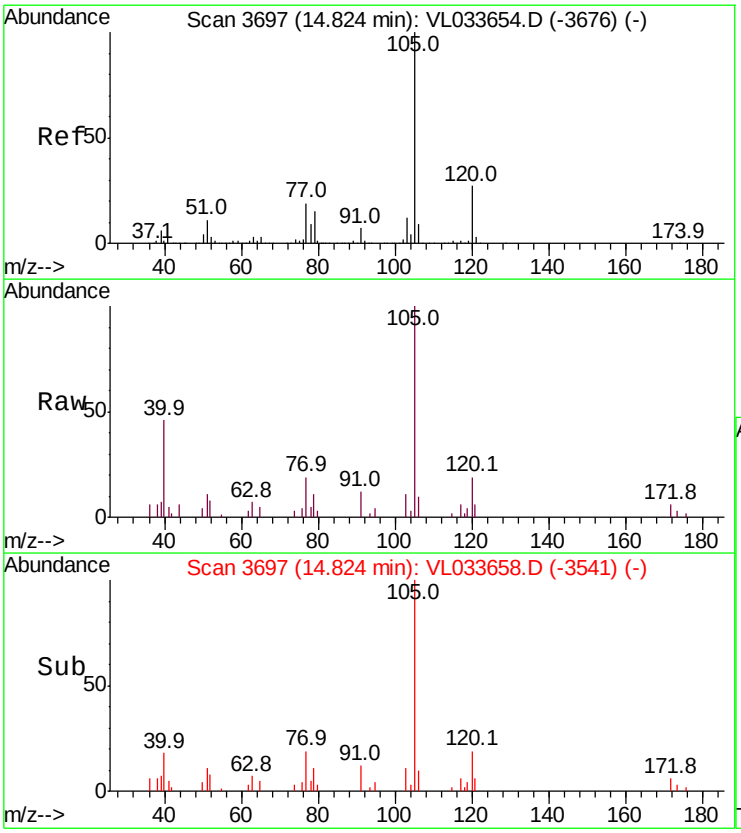
#61
Stvrene
Concen: 0.020 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 3336

Ion	Ratio	Lower	Upper
104	100		
78	149.9	43.0	64.6#
103	96.5	38.1	57.1#

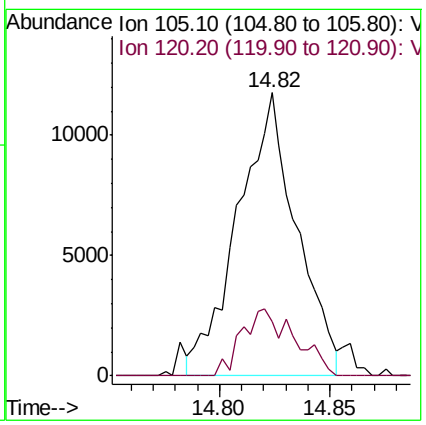


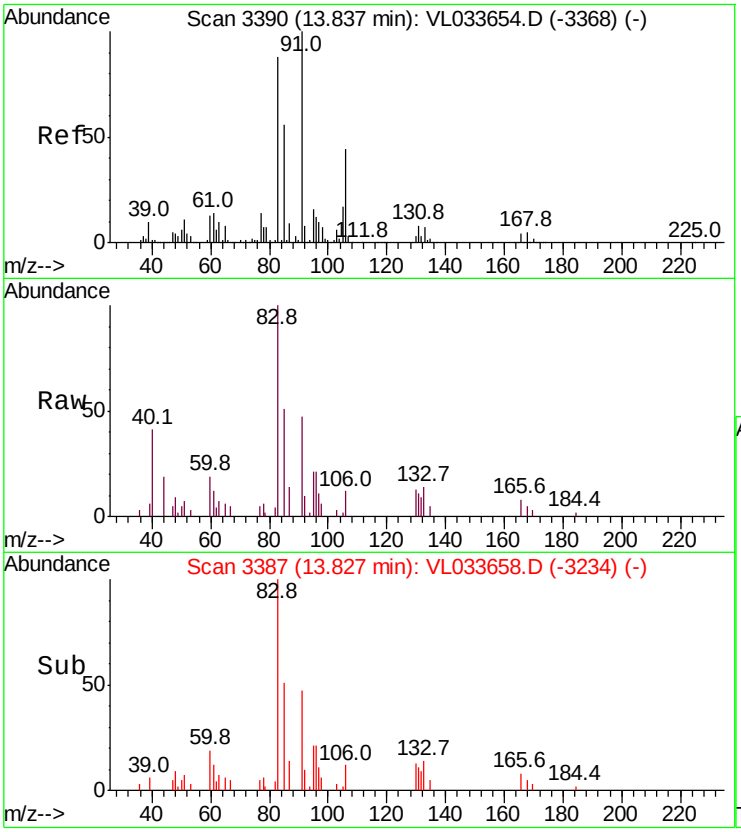


#62
Isopropylbenzene
Concen: 0.066 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:105 Resp: 21750

Ion	Ratio	Lower	Upper
105	100		
120	21.5	20.5	30.7



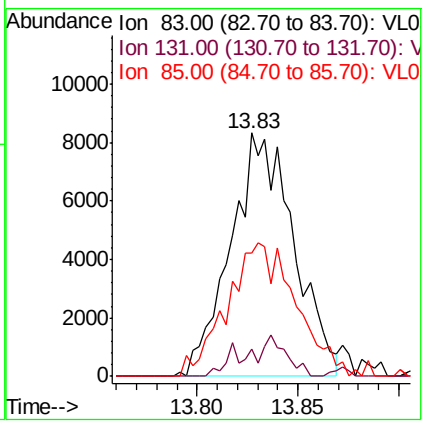


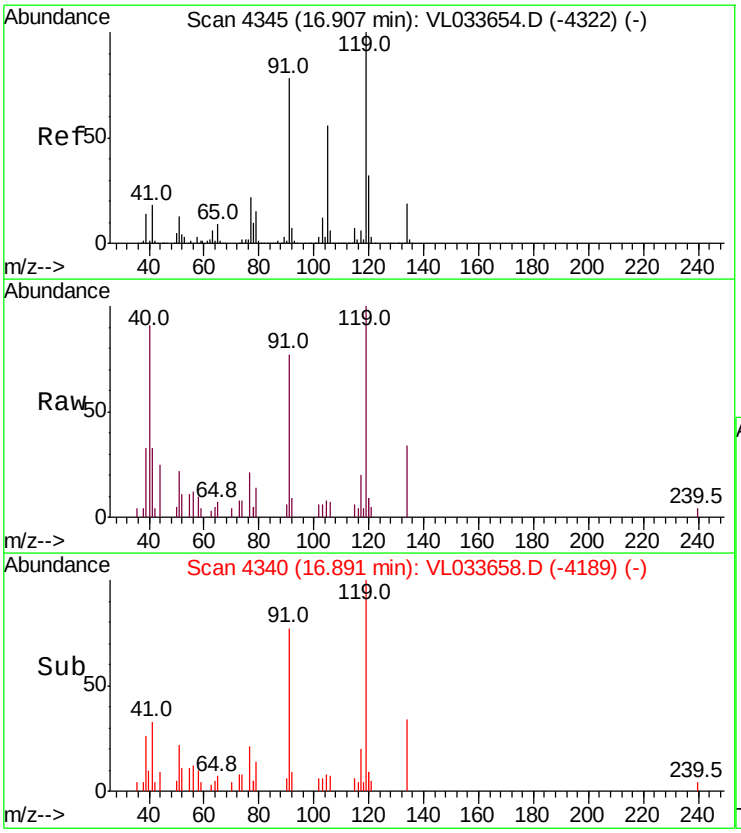
#63
1,1,2,2-Tetrachloroethane
Concen: 0.097 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 18175

Ion	Ratio	Lower	Upper
83	100		
131	11.6	4.8	14.3
85	60.3	32.5	97.5

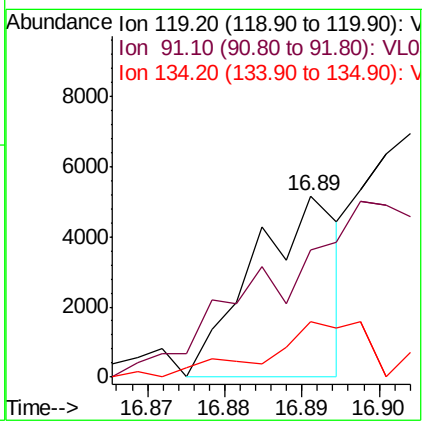


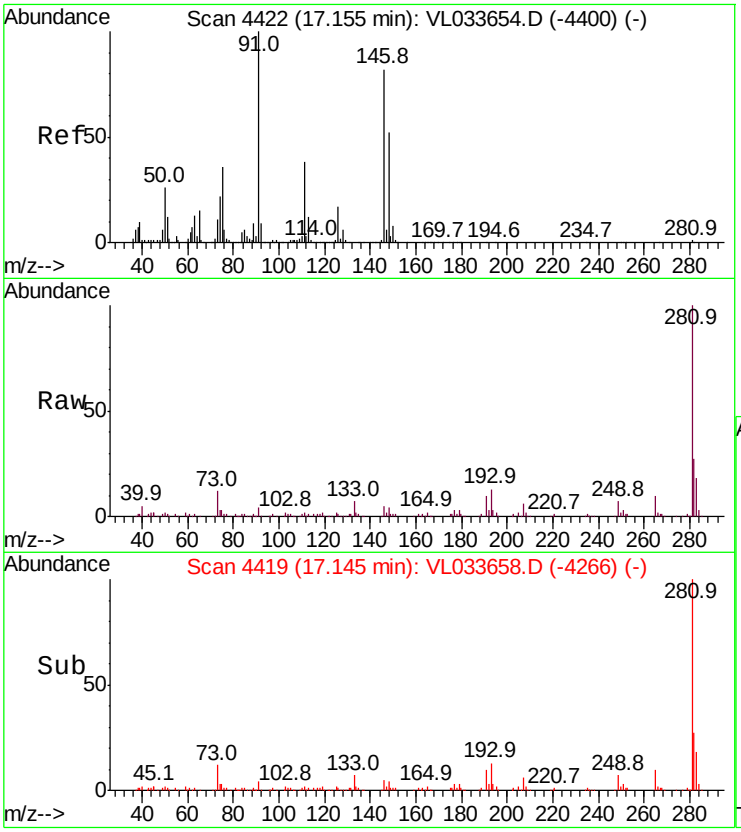


#65
tert-Butylbenzene
Concen: 0.013 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.02 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:119 Resp: 3990

Ion	Ratio	Lower	Upper
119	100		
91	0.0	65.9	98.9#
134	43.5	15.5	23.3#



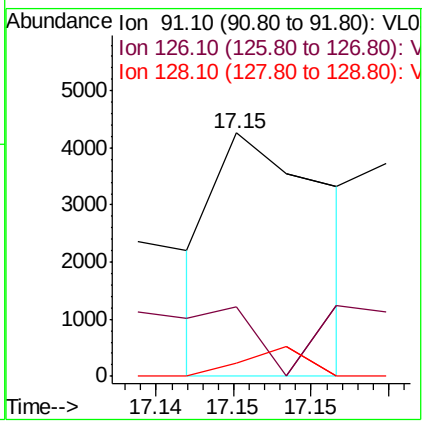


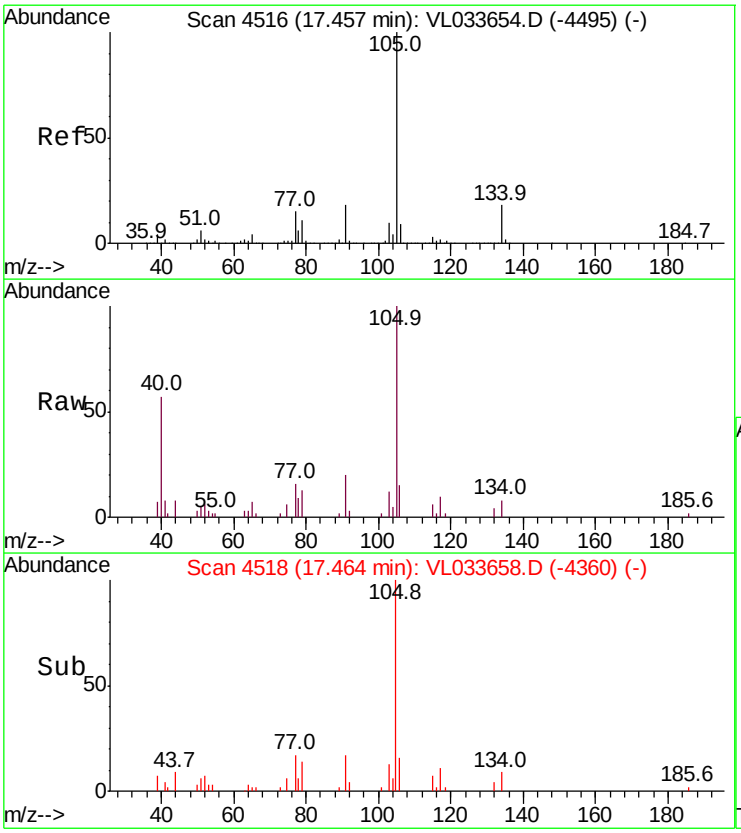
#66
Benzyl Chloride
Concen: 0.015 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2147

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.4	20.2#
128	11.8	4.4	6.6#

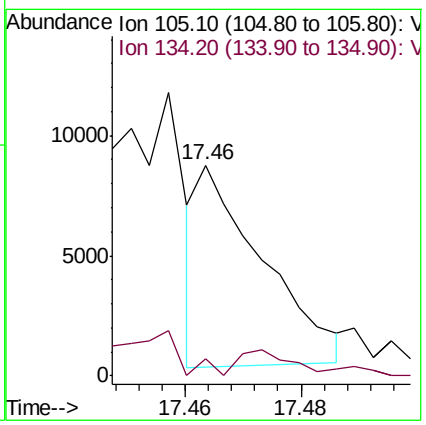


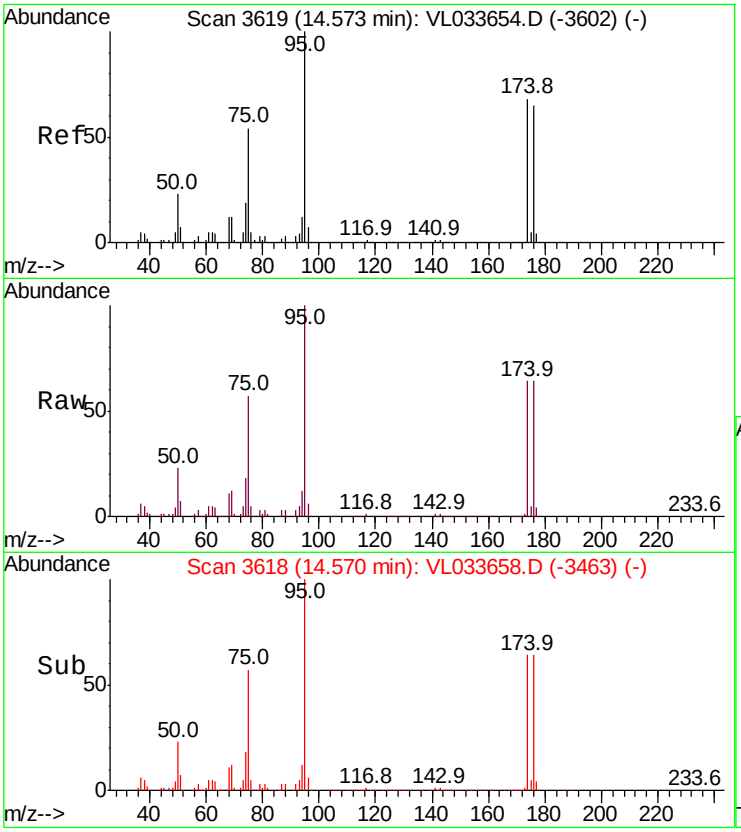


#67
sec-Butylbenzene
Concen: 0.015 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:105 Resp: 6539

Ion	Ratio	Lower	Upper
105	100		
134	15.4	14.6	22.0



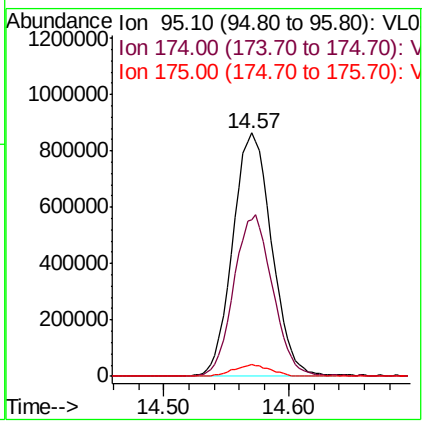


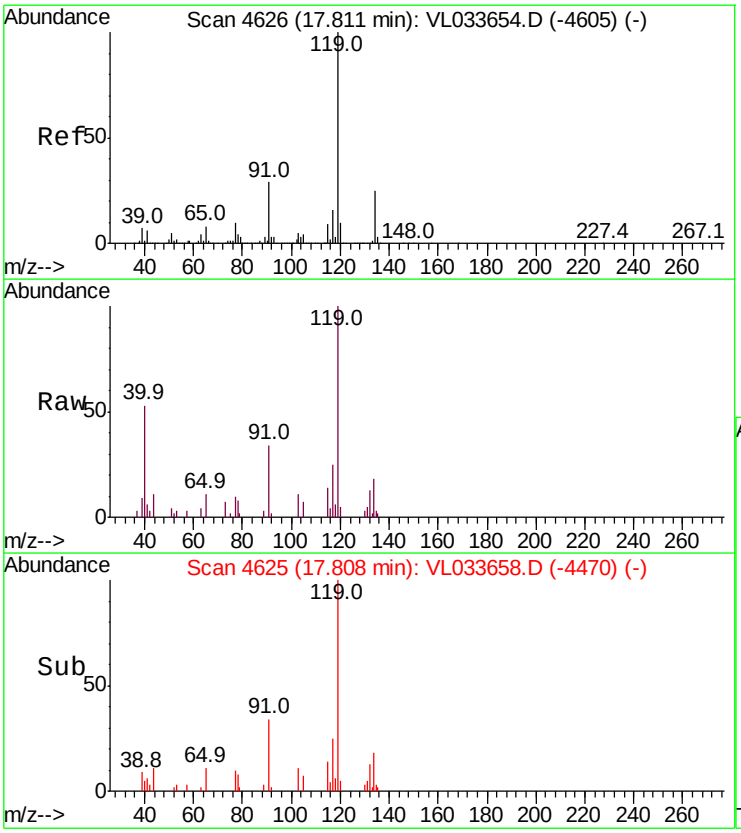
#68
1-Bromo-4-Fluorobenzene
Concen: 10.247 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1868236

Ion	Ratio	Lower	Upper
95	100		
174	66.4	54.0	81.0
175	4.6	3.8	5.8

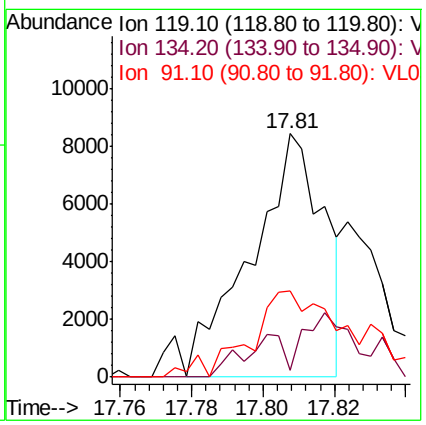


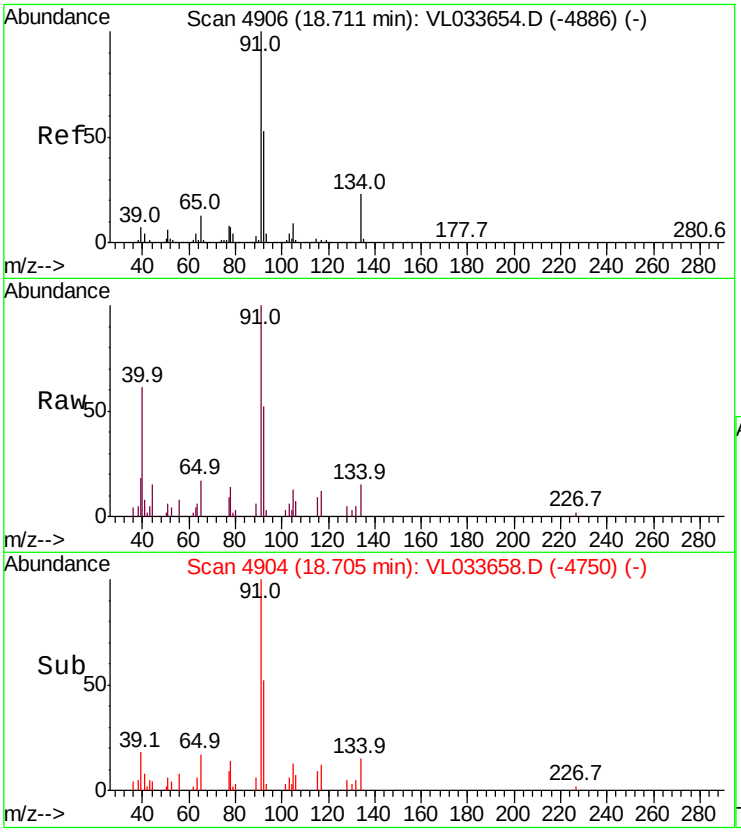


#69
p-Isopropyltoluene
Concen: 0.033 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:119 Resp: 11920

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.2	30.2#
91	51.3	23.3	34.9#



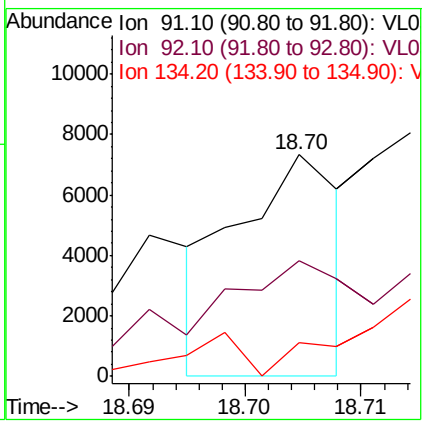


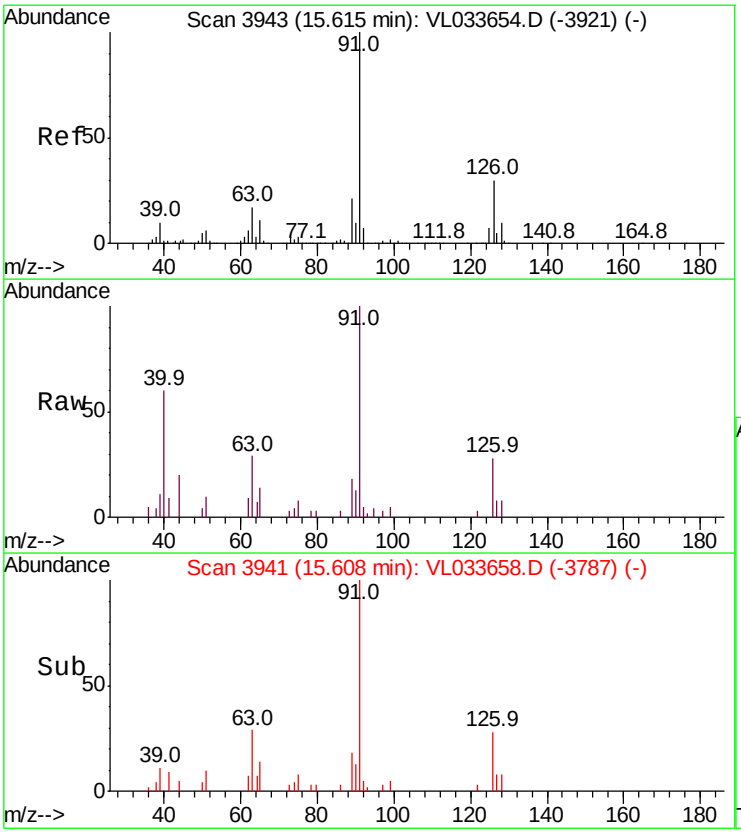
#70
n-Butylbenzene
Concen: 0.012 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4578

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.5	63.7#
134	0.0	18.0	27.0#

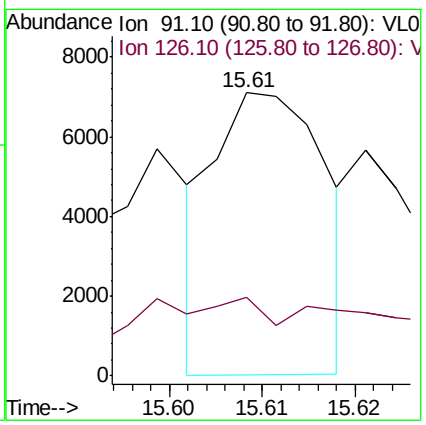


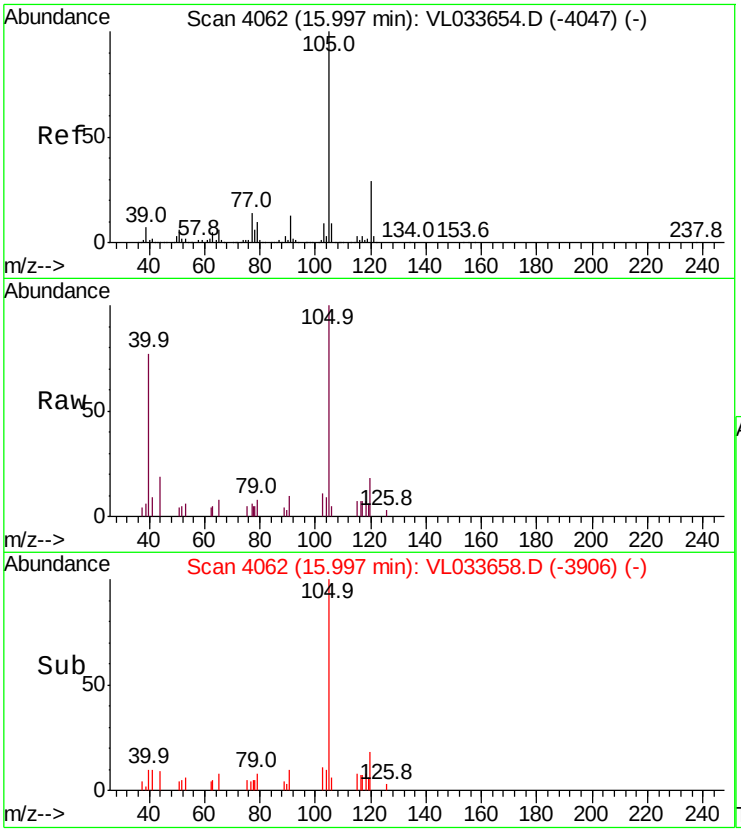


#71
2-Chlorotoluene
Concen: 0.024 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion: 91 Resp: 5872

Ion	Ratio	Lower	Upper
91	100		
126	73.5	12.0	47.8#



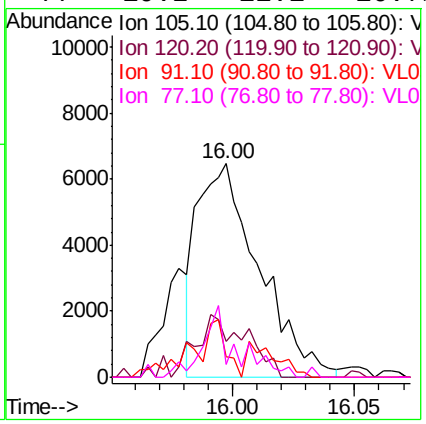


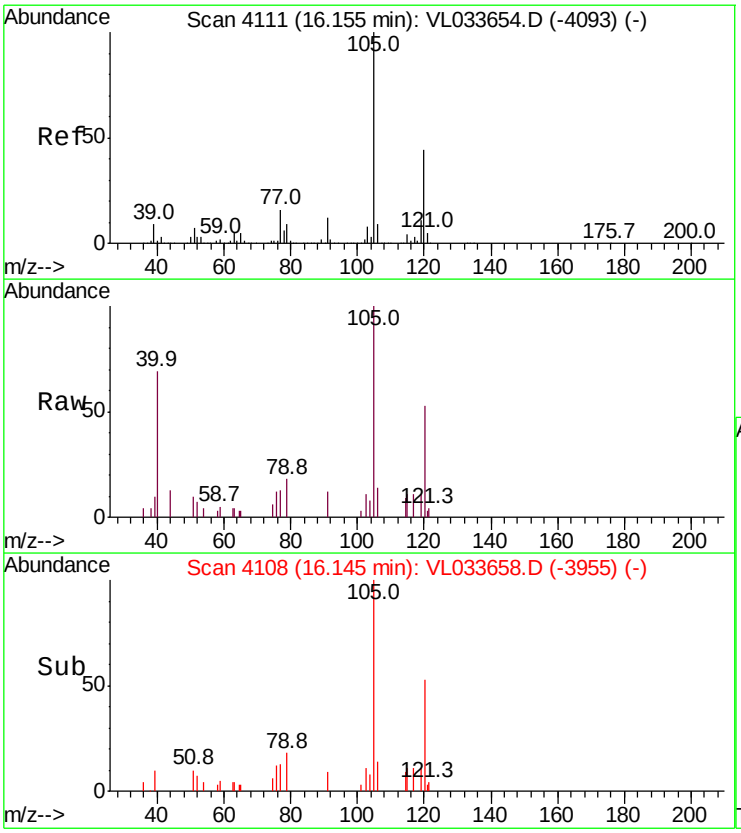
#72
4-Ethyltoluene
Concen: 0.040 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 11291

Ion	Ratio	Lower	Upper
105	100		
120	26.1	23.0	34.6
91	22.9	10.6	15.8#
77	19.2	11.1	16.7#

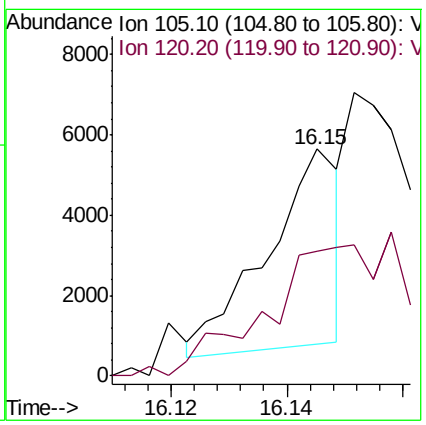


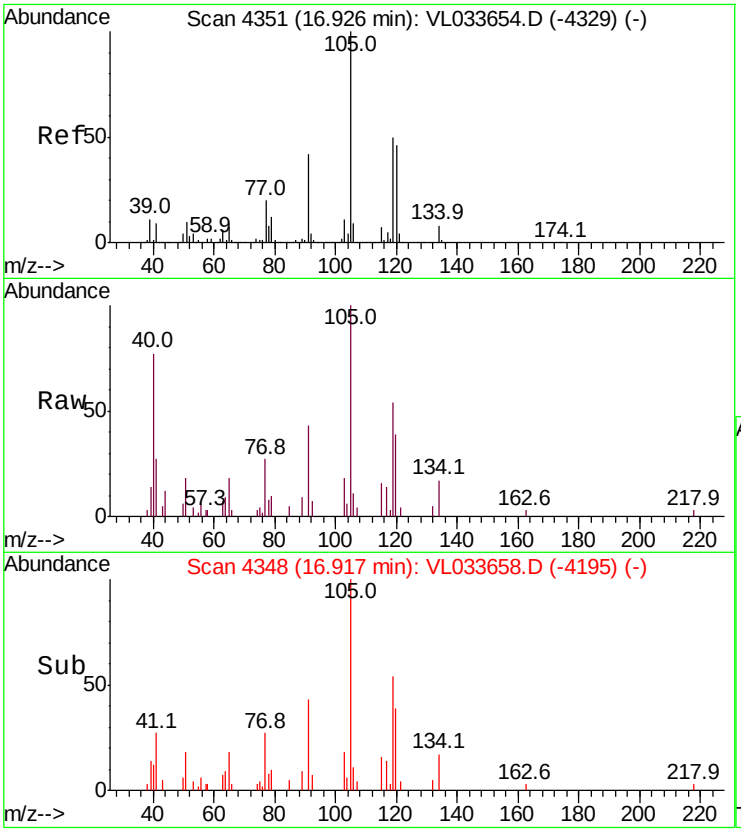


#73
1,3,5-Trimethylbenzene
Concen: 0.015 ppbv
RT: 16.15 min Scan# 4108
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:105 Resp: 4225

Ion	Ratio	Lower	Upper
105	100		
120	57.5	35.5	53.3#



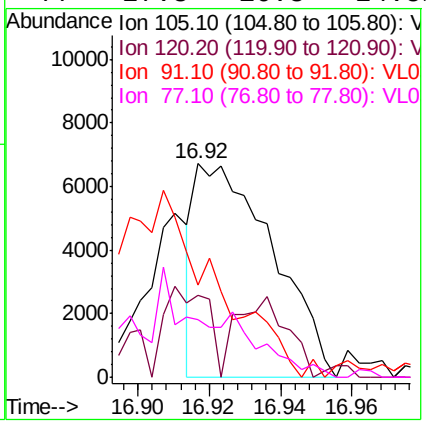


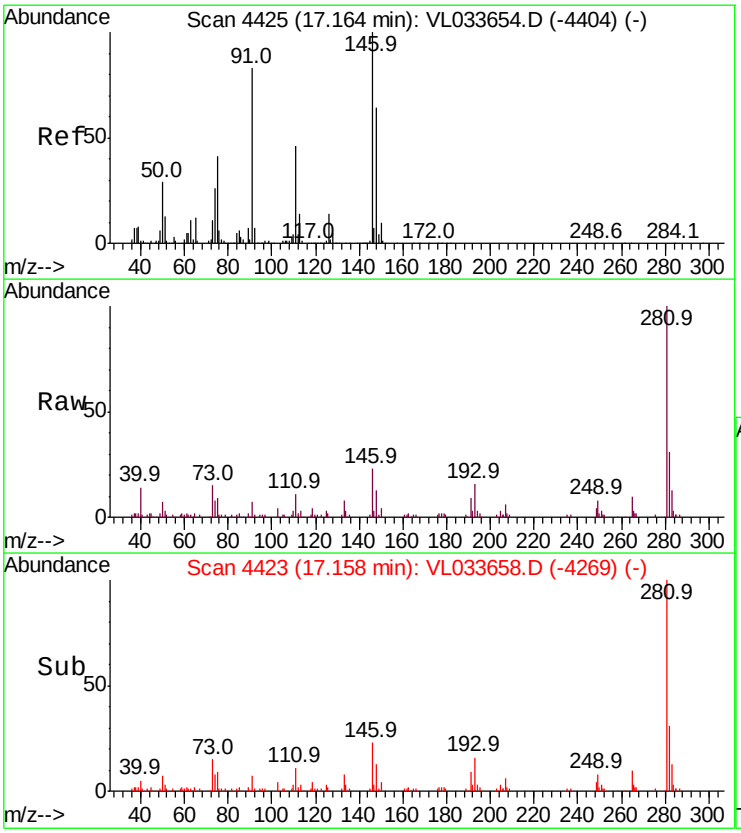
#74
1,2,4-Trimethylbenzene
Concen: 0.033 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 10142

Ion	Ratio	Lower	Upper
105	100		
120	33.0	36.5	54.7#
91	37.4	33.7	50.5
77	27.3	16.3	24.5#

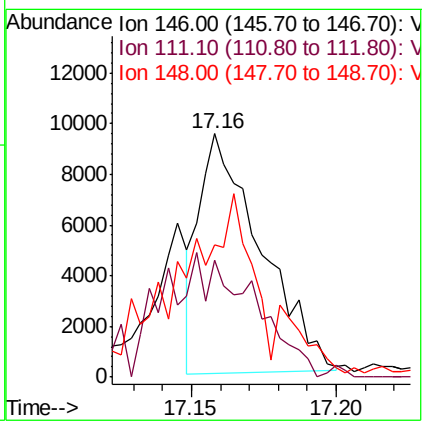


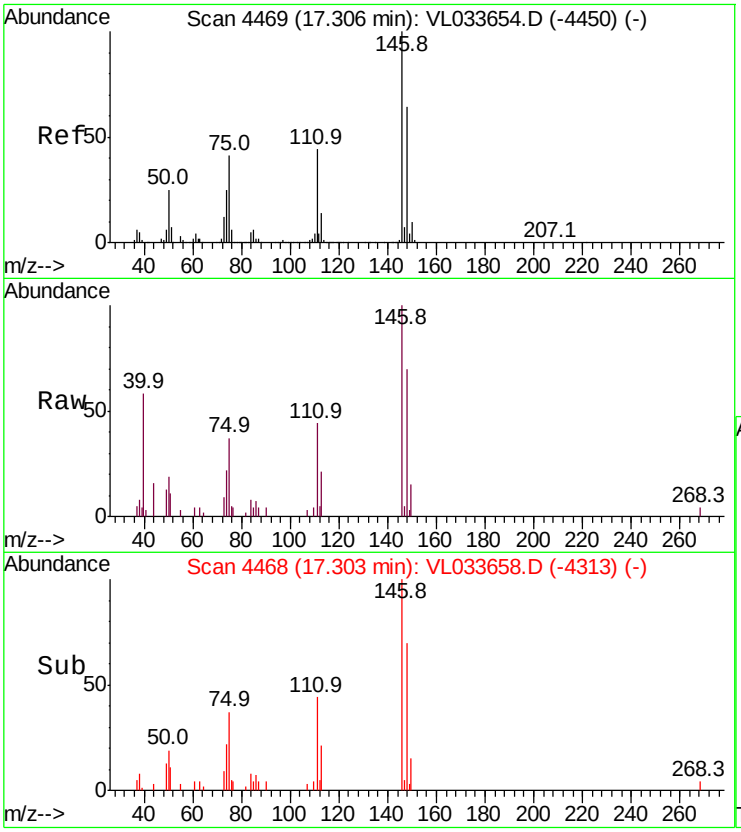


#75
1,3-Dichlorobenzene
Concen: 0.073 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:146 Resp: 13972

Ion	Ratio	Lower	Upper
146	100		
111	75.6	22.6	67.7#
148	118.6	31.8	95.4#



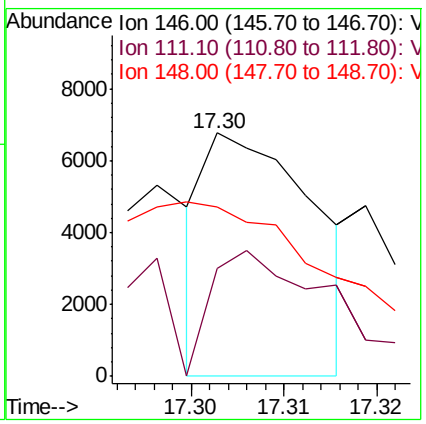


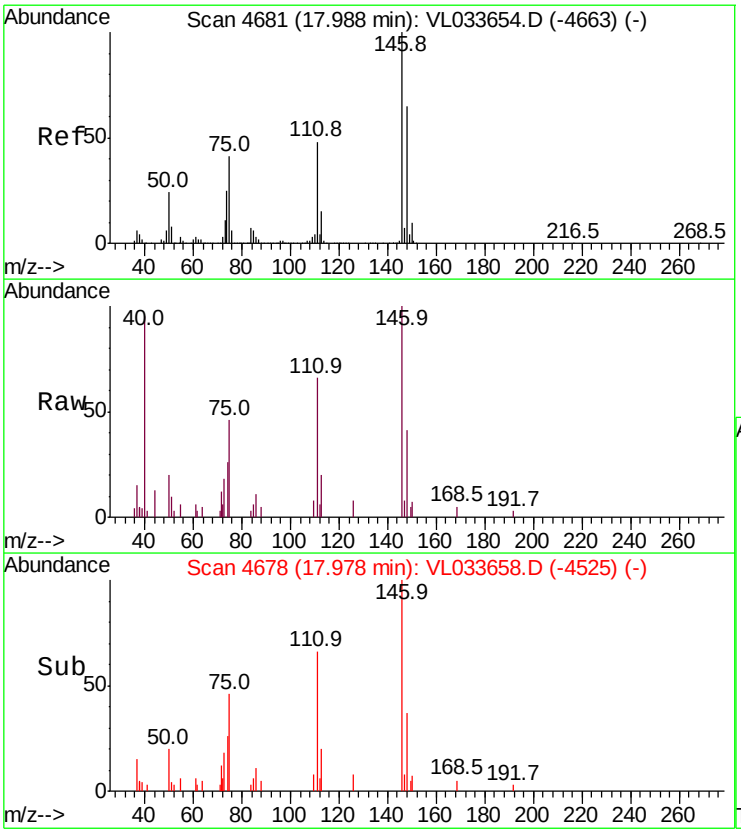
#76
1,4-Dichlorobenzene
Concen: 0.030 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 5480

Ion	Ratio	Lower	Upper
146	100		
111	51.3	21.9	65.7
148	190.9	32.0	96.0#

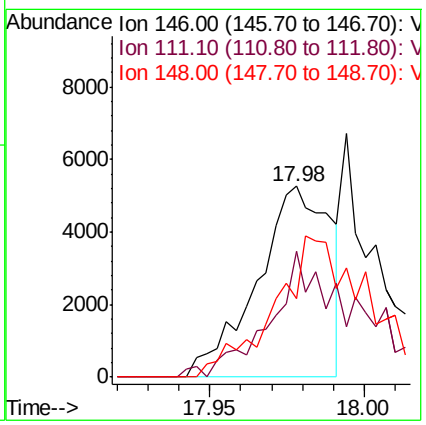


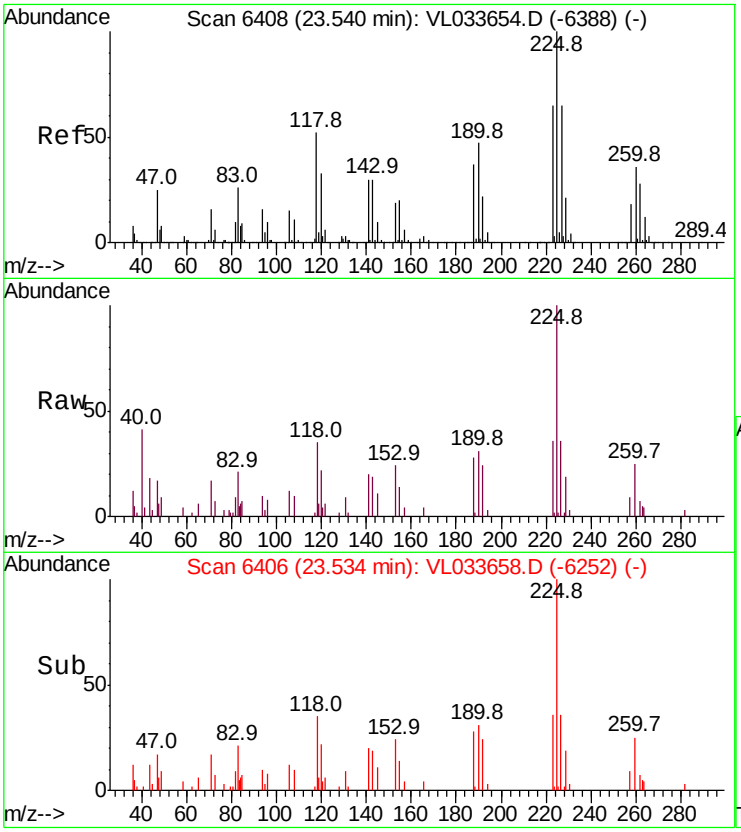


#77
1,2-Dichlorobenzene
Concen: 0.048 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:146 Resp: 8609

Ion	Ratio	Lower	Upper
146	100		
111	75.7	23.4	70.0#
148	97.3	31.9	95.9#



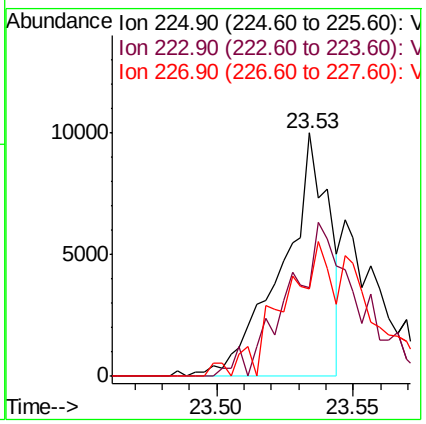


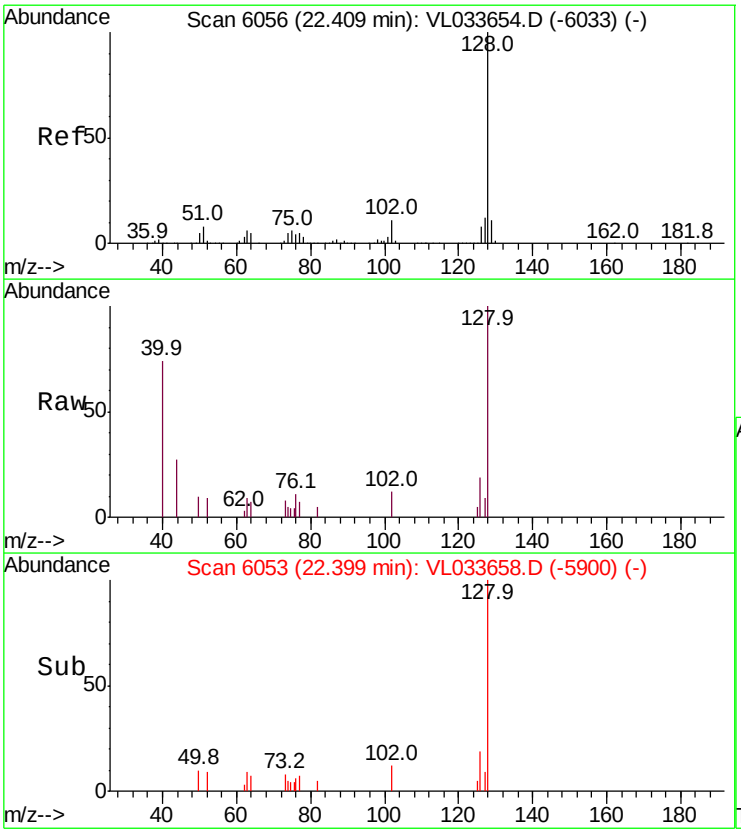
#78
Hexachloro-1,3-Butadiene
Concen: 0.086 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 11762

Ion	Ratio	Lower	Upper
225	100		
223	95.8	50.7	76.1#
227	98.4	51.4	77.2#

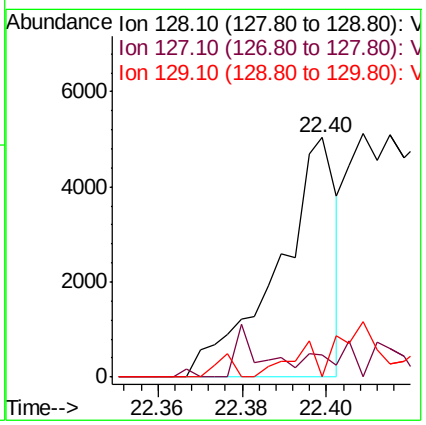


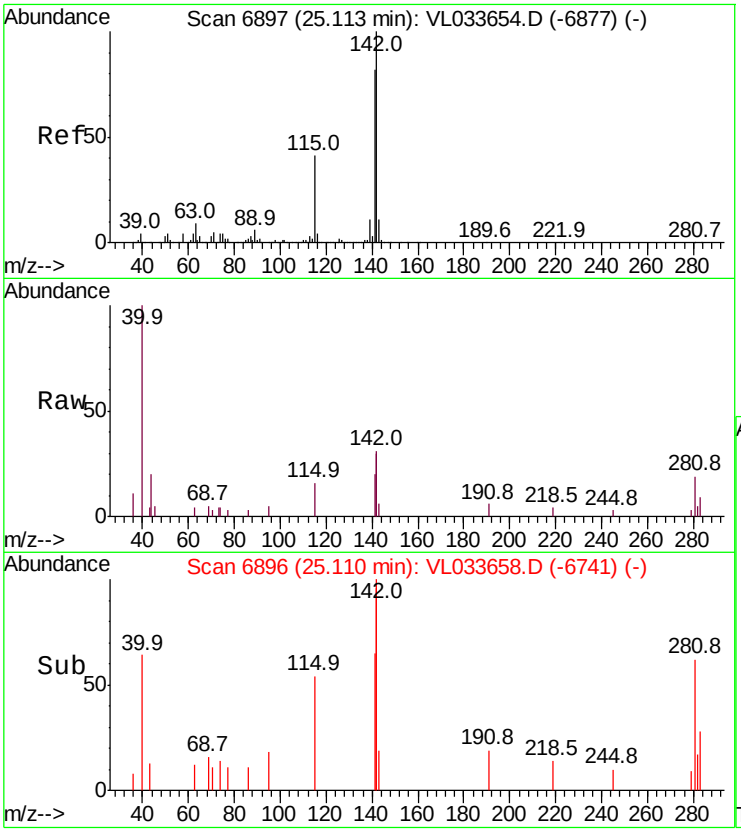


#79
Naphthalene
Concen: 0.017 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:128 Resp: 4855

Ion	Ratio	Lower	Upper
128	100		
127	5.9	9.8	14.8#
129	0.0	8.8	13.2#



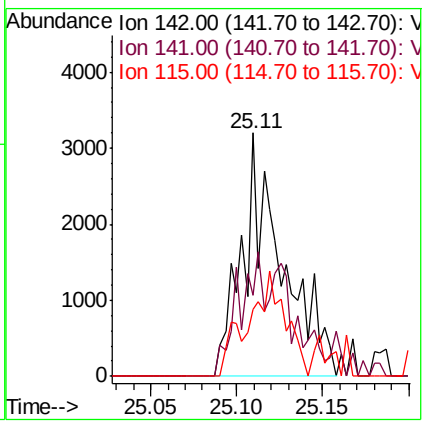


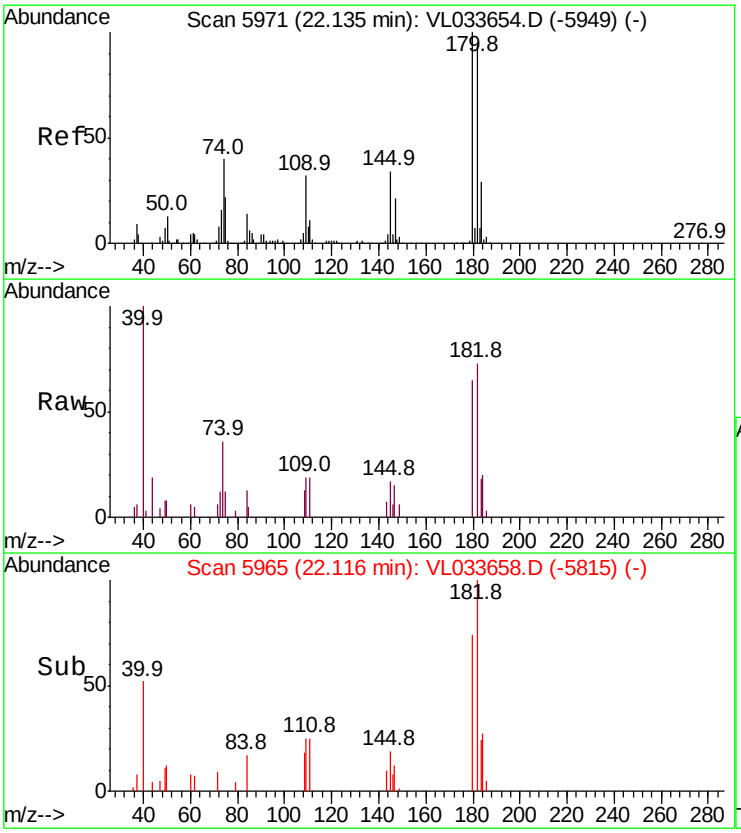
#80
Naphthalene,2-methyl-
Concen: 0.043 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 5238

Ion	Ratio	Lower	Upper
142	100		
141	69.0	67.8	101.8
115	48.3	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 0.017 ppbv
RT: 22.12 min Scan# 5965
Delta R.T. -0.02 min
Lab File: VL033658.D
Acq: 6 May 2019 13:32

Tgt Ion:180 Resp: 2762

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.4	116.0#
184	0.0	24.6	36.8#