Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033064.D
Acq On : 4 Jan 2019 11:20
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 04 11:53:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1385900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3430157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2775062	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2238700	10.82	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	151671	0.491	ppbv	95
3) Chlorodifluoromethane	3.02	51	82442	0.489	ppbv	99
4) Chloromethane	3.17	50	53388	0.545	ppbv	90
5) Vinyl Chloride	3.29	62	42386	0.407	ppbv	97
6) Bromomethane	3.52	94	36935	0.583	ppbv	100
7) Chloroethane	3.61	64	21704	0.607	ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	120716	0.490	ppbv	97
9) Propene	3.04	41	27339	0.418	ppbv	99
10) Heptane	8.25	43	79012	0.472	ppbv	98
11) Trichlorofluoromethane	4.00	101	163884	0.603	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	112888	0.614	ppbv	96
13) Ethanol	3.66	45	18063	0.708	ppbv	94
14) Bromoethene	3.79	108	46904	0.599	ppbv	99
15) Acetone	3.92	43	109097	0.602	ppbv	96
16) 1,3-Butadiene	3.37	39	38197	0.484	ppbv	93
17) tert-Butyl alcohol	4.35	59	1352	0.033	ppbv #	74
18) 1,1-Dichloroethene	4.36	96	51823	0.629	ppbv	86
19) Isopropyl Alcohol	4.04	45	76529	0.632	ppbv #	94
20) Methylene Chloride	4.41	84	54277	0.677	ppbv	93
21) Allyl Chloride	4.48	41	66209	0.537	ppbv	88
22) trans-1,2-Dichloroethene	4.97	96	45500	0.566	ppbv	89
23) Vinyl Acetate	5.16	43	115533	0.461	ppbv #	94
24) 1,1-Dichloroethane	5.09	63	116462	0.560	ppbv	99
25) Ethyl Acetate	5.78	43	177805	0.548	ppbv	99
26) Hexane	5.78	57	80973	0.526	ppbv	92
27) Carbon Disulfide	4.62	76	102853	0.535	ppbv #	78
28) Methyl tert-Butyl Ether	5.13	73	120937	0.502	ppbv	100
29) Chloroform	5.84	83	144871	0.568	ppbv	93
30) Cyclohexane	7.25	84	50148	0.434	ppbv #	29
31) cis-1,2-Dichloroethene	5.64	61	67824	0.476	ppbv	93
32) 1,1,1-Trichloroethane	6.62	97	145336	0.540	ppbv	99
34) 2-Butanone	5.34	43	100975	0.504	ppbv	99
35) Carbon Tetrachloride	7.13	117	154496	0.522	ppbv	93
36) Benzene	7.00	78	135490	0.480	ppbv	100
37) 1,2-Dichloroethane	6.42	62	106479	0.555	ppbv	99
38) Trichloroethene	7.96	130	57705	0.490	ppbv	89
39) 1,2-Dichloropropane	7.73	63	53437	0.505	ppbv	93
40) 1,4-Dioxane	7.98	88	1832	0.046	ppbv #	1
41) Tetrahydrofuran	6.17	42	11874	0.116	ppbv #	1
42) Bromodichloromethane	7.91	83	142519	0.516	ppbv	95
43) Methyl Methacrylate	8.14	69	24119	0.229	ppbv #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

Quantitation Report (Not Reviewed)

Data File : VL033064.D
Acq On : 4 Jan 2019 11:20
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 04 11:53:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	222160	0.445 ppbv	#	90
45) t-1,3-Dichloropropene	9.42	75	46234	0.318 ppbv		90
46) cis-1,3-Dichloropropene	8.83	75	37013	0.234 ppbv		92
47) 1,1,2-Trichloroethane	9.61	97	64383	0.504 ppbv		92
48) Dibromochloromethane	10.45	129	92013	0.434 ppbv		98
49) Bromoform	13.20	173	44594	0.228 ppbv	#	27
50) 4-Methyl-2-Pentanone	8.89	43	117291	0.436 ppbv		96
52) Tetrachloroethene	11.38	164	21055	0.206 ppbv	#	91
53) Toluene	9.95	91	116689	0.402 ppbv		99
54) 1,2-Dibromoethane	10.76	107	70833	0.381 ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	80439	0.573 ppbv	#	1
57) Chlorobenzene	12.30	112	125655	0.558 ppbv	#	96
58) Ethyl Benzene	12.87	91	92902	0.272 ppbv		94
59) m/p-Xylene	13.12	91	86909	0.274 ppbv	#	100
60) o-Xylene	13.85	91	152684	0.493 ppbv		95
61) Styrene	13.69	104	70077	0.351 ppbv		96
62) Isopropylbenzene	14.83	105	220782	0.499 ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	138772	0.572 ppbv		100
64) n-propylbenzene	15.72	120	31028	0.284 ppbv		94
65) tert-Butylbenzene	16.91	119	191725	0.487 ppbv		91
66) Benzyl Chloride	17.15	91	51013	0.230 ppbv	#	58
67) sec-Butylbenzene	17.46	105	283432	0.510 ppbv		98
69) p-Isopropyltoluene	17.82	119	217897	0.485 ppbv		96
70) n-Butylbenzene	18.72	91	204838	0.447 ppbv		97
71) 2-Chlorotoluene	15.62	91	139808	0.446 ppbv		100
72) 4-Ethyltoluene	16.00	105	149446	0.433 ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.16	105	158530	0.470 ppbv		96
74) 1,2,4-Trimethylbenzene	16.93	105	198968	0.537 ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	127435	0.588 ppbv		98
76) 1,4-Dichlorobenzene	17.31	146	101227	0.513 ppbv		95
77) 1,2-Dichlorobenzene	17.99	146	103342	0.521 ppbv		98
78) Hexachloro-1,3-Butadiene	23.55	225	85921	0.616 ppbv		99
79) Naphthalene	22.42	128	48628	0.145 ppbv	#	91
80) Naphthalene,2-methyl-	25.12	142	17228	0.185 ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	33403	0.218 ppbv	#	12

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

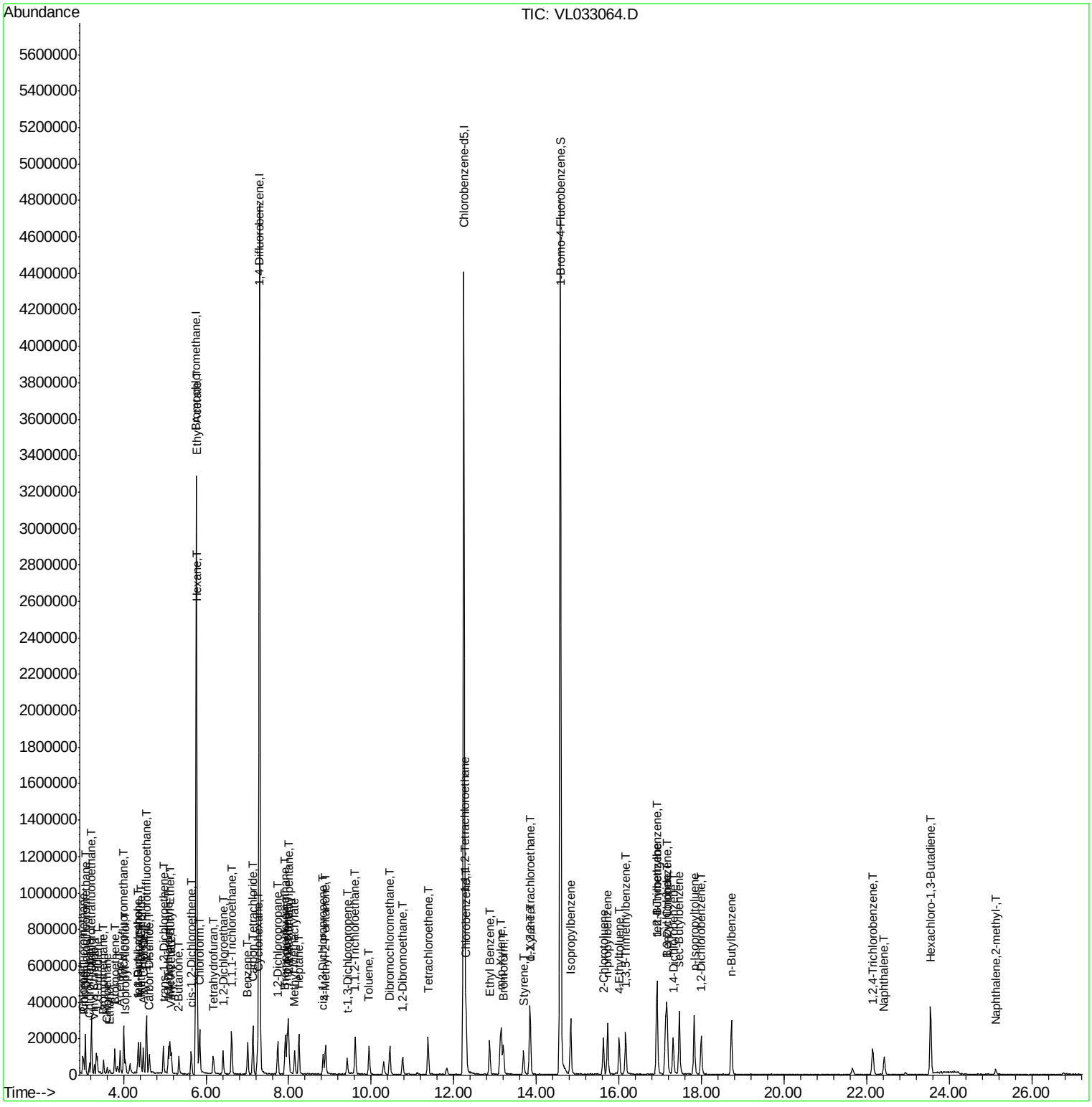
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010419\

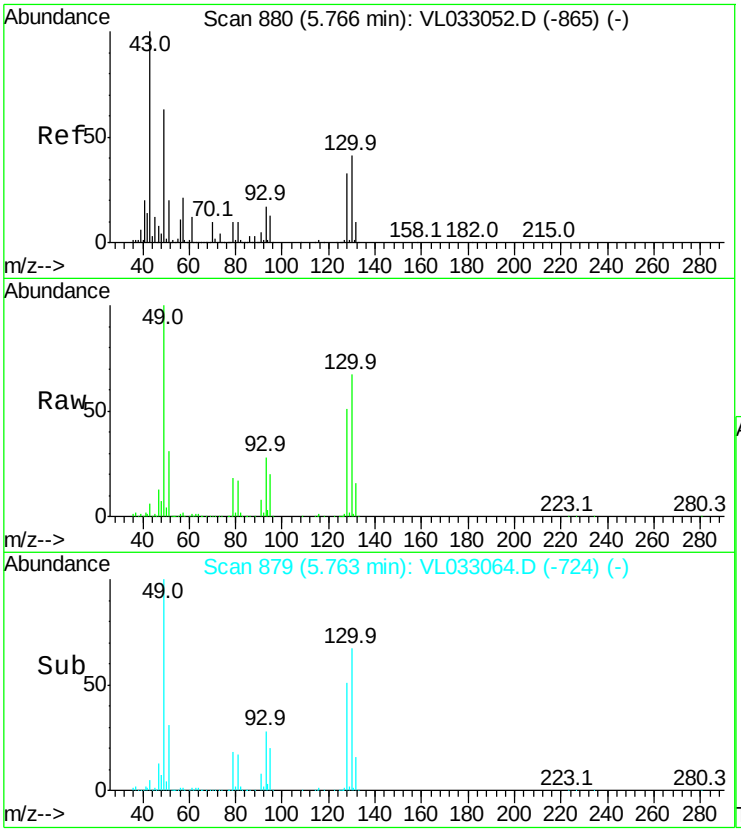
Quantitation Report (Not Reviewed)

Data File : VL033064.D
Acq On : 4 Jan 2019 11:20
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 04 11:53:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 03 19:04:31 2019
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration



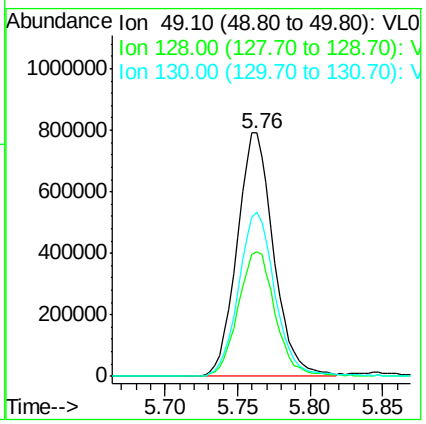


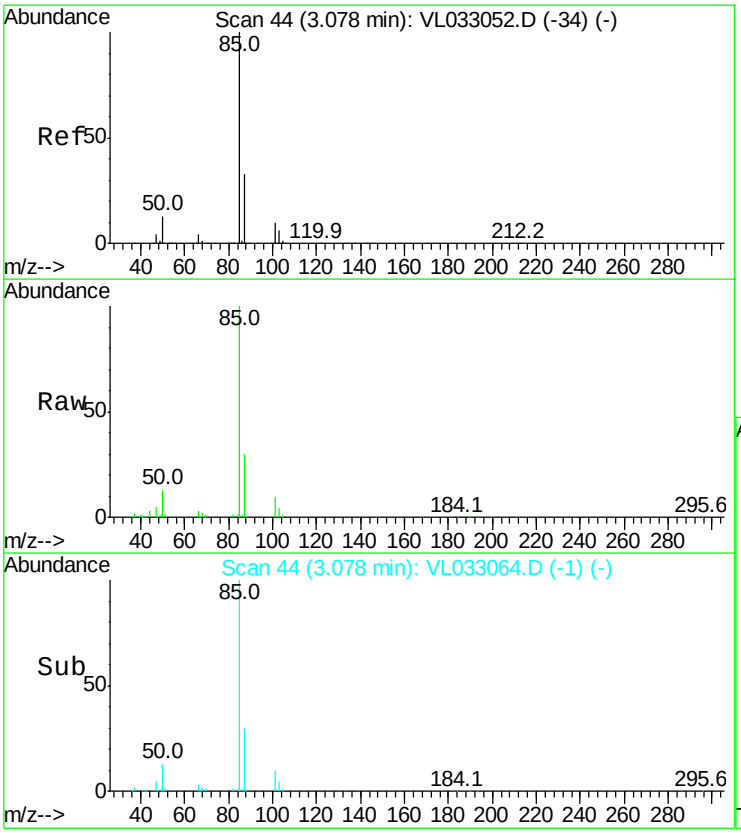
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1385900

Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.2	78.5
130	68.3	33.6	100.6

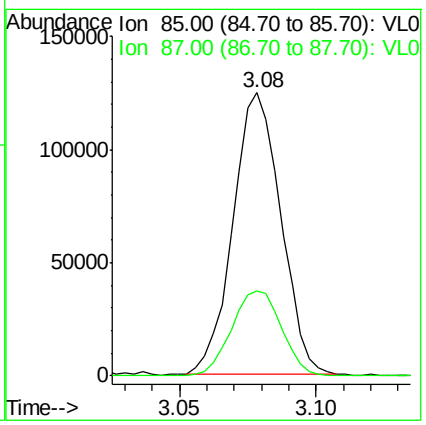


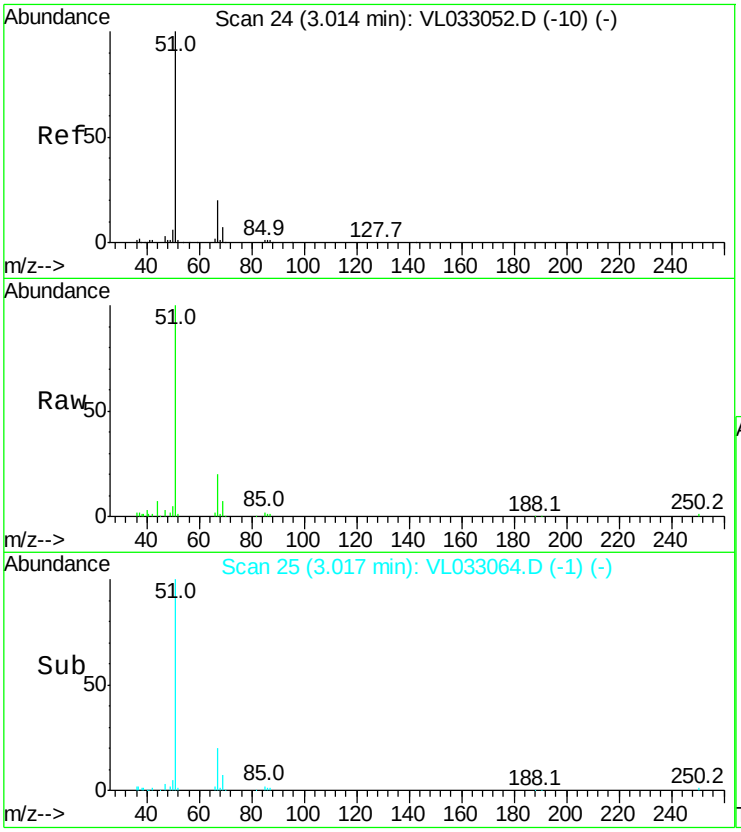


#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 85 Resp: 151671

Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.3	39.5



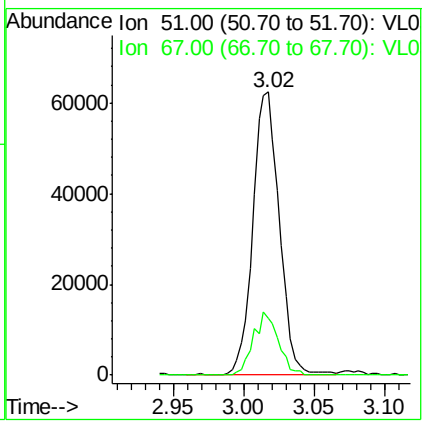


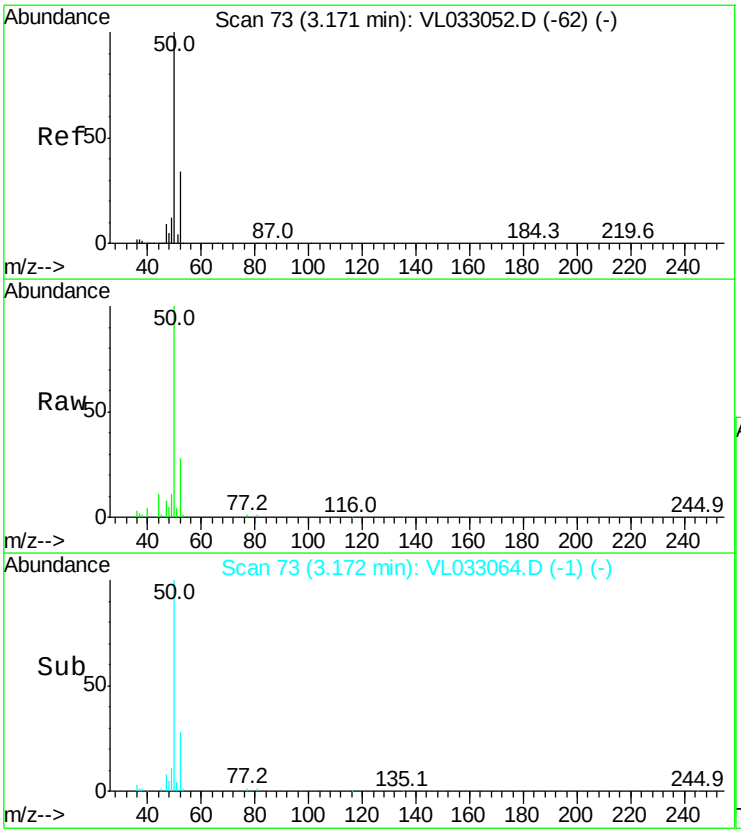
#3
Chlorodifluoromethane
Concen: 0.489 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 82442

Ion	Ratio	Lower	Upper
51	100		
67	20.9	16.3	24.5

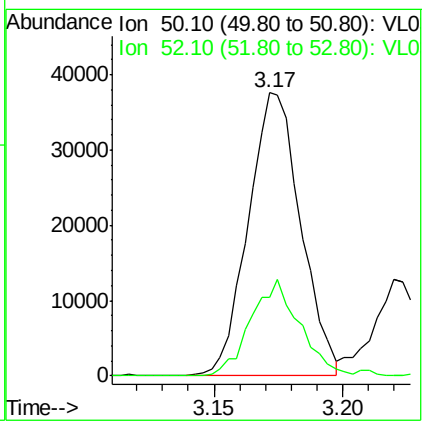


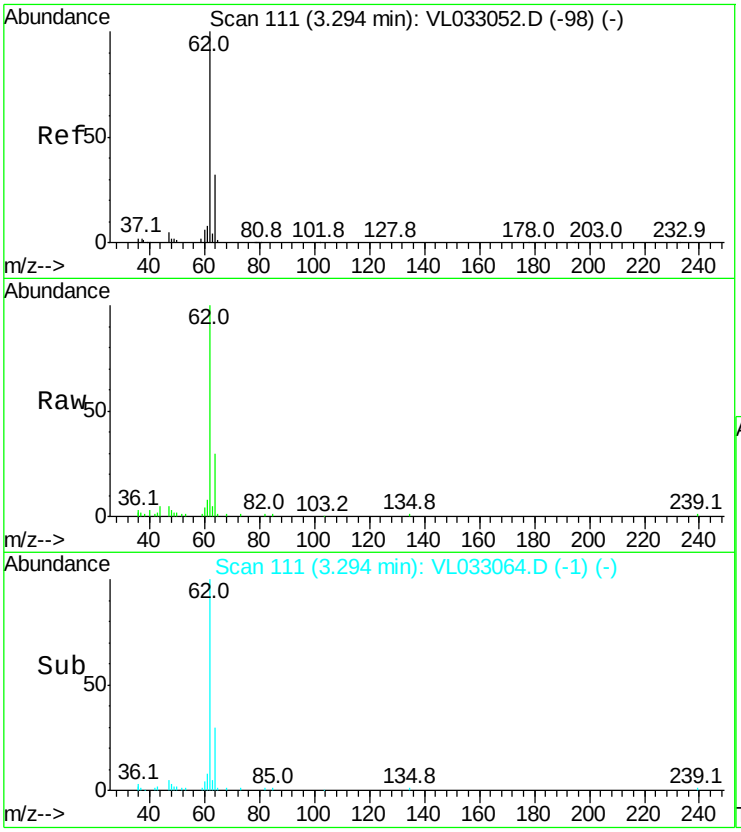


#4
Chloromethane
Concen: 0.545 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 50 Resp: 53388

Ion	Ratio	Lower	Upper
50	100		
52	27.9	26.9	40.3



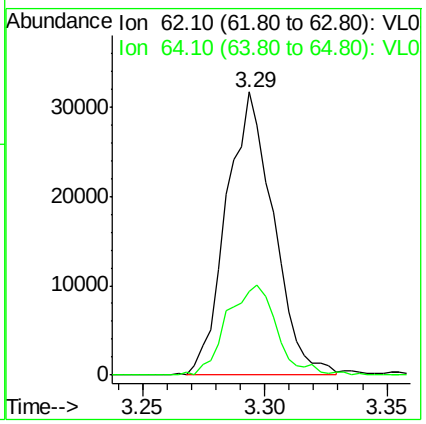


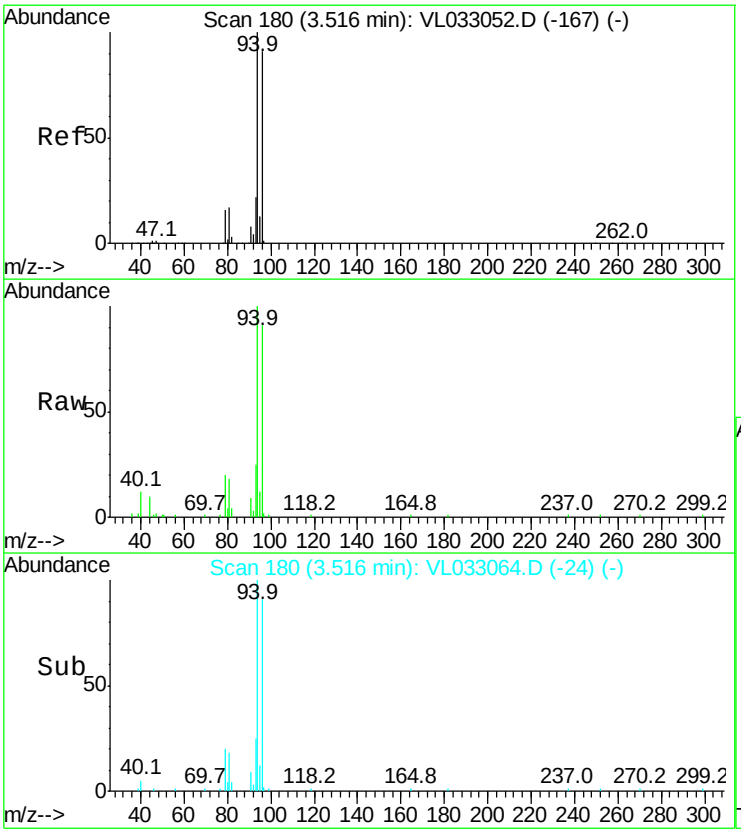
#5
Vinyl Chloride
Concen: 0.407 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 42386

Ion	Ratio	Lower	Upper
62	100		
64	29.8	25.3	37.9

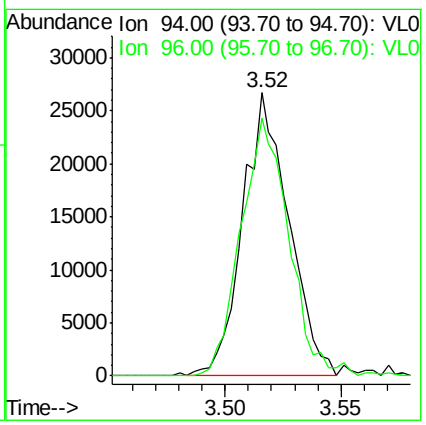


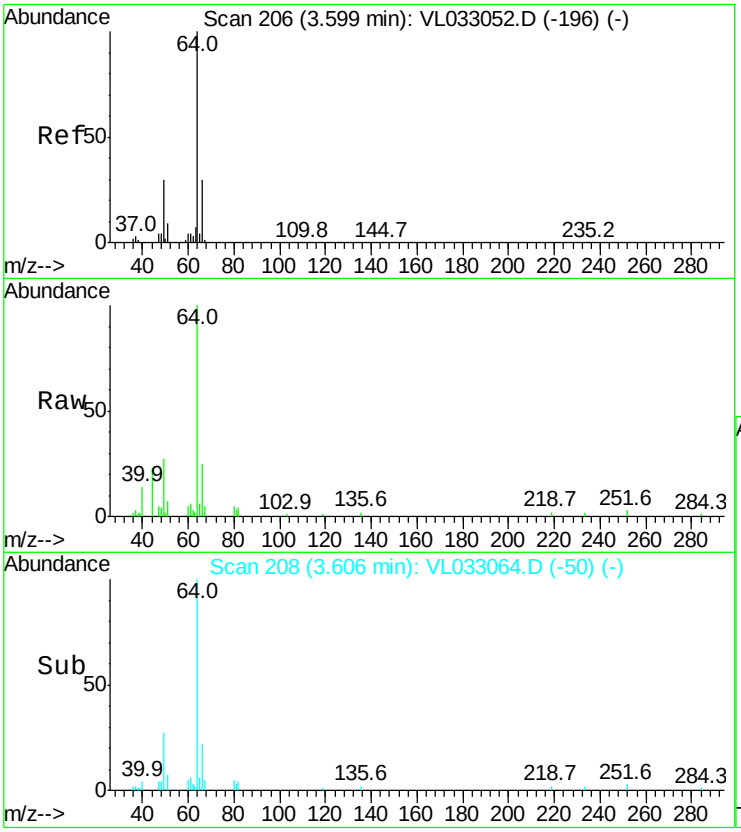


#6
Bromomethane
Concen: 0.583 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 94 Resp: 36935

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.8	109.2



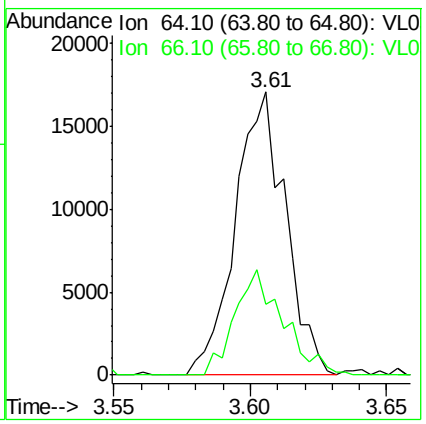


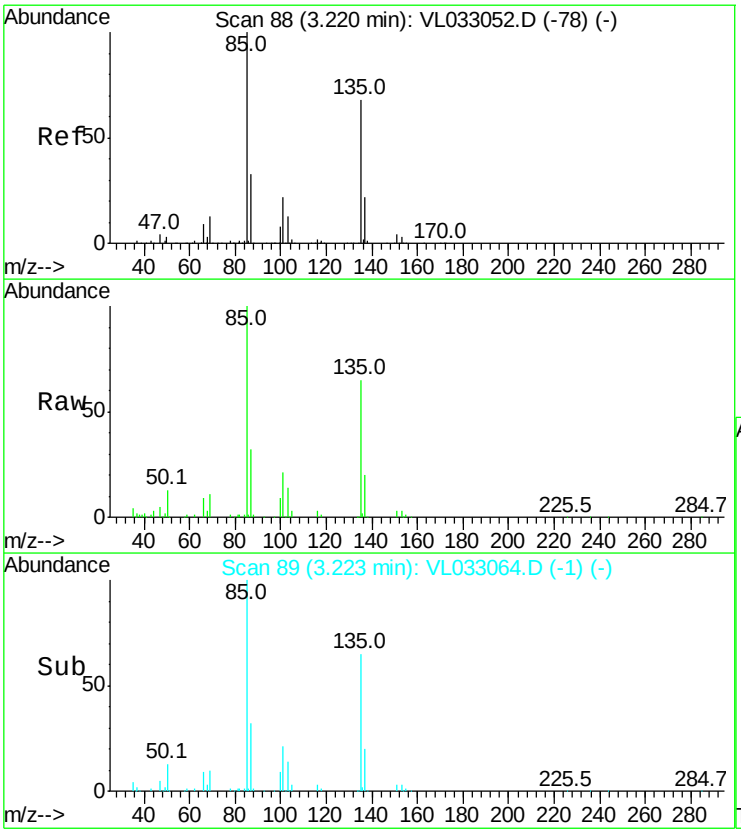
#7
Chloroethane
Concen: 0.607 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 21704

Ion	Ratio	Lower	Upper
64	100		
66	24.9	23.7	35.5

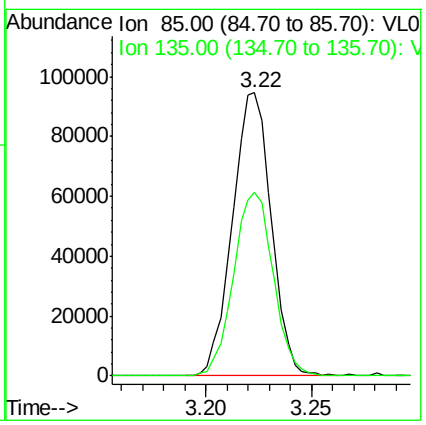


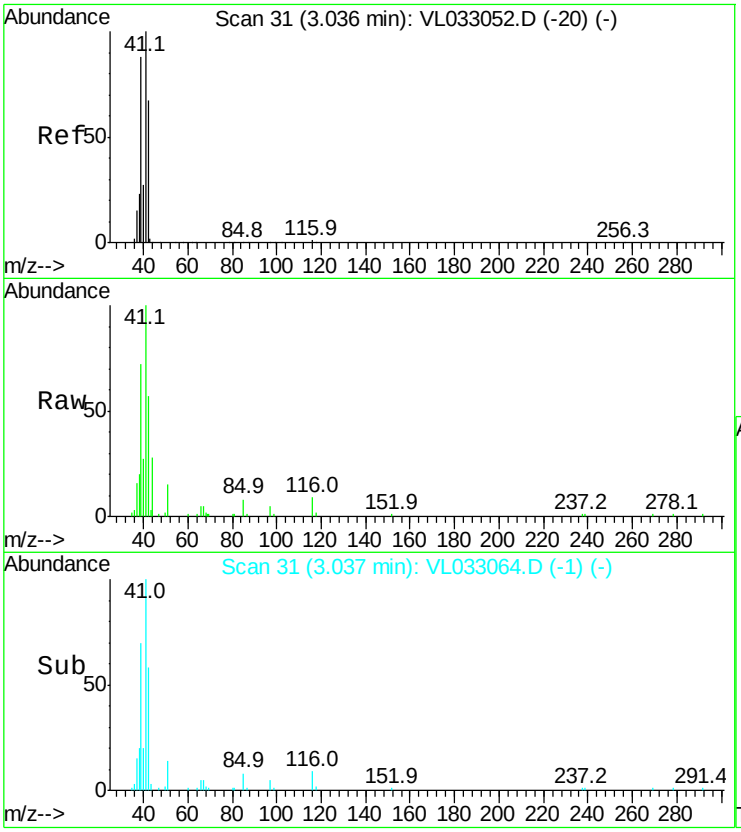


#8
Dichlorotetrafluoroethane
Concen: 0.490 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 85 Resp: 120716

Ion	Ratio	Lower	Upper
85	100		
135	66.3	54.9	82.3



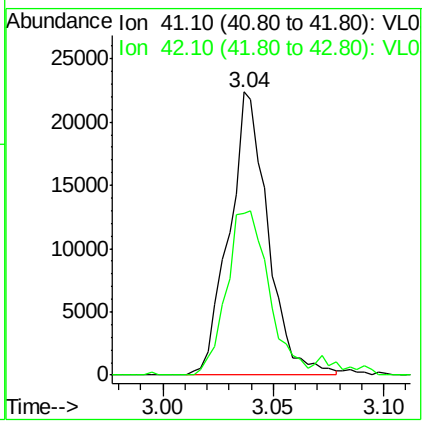


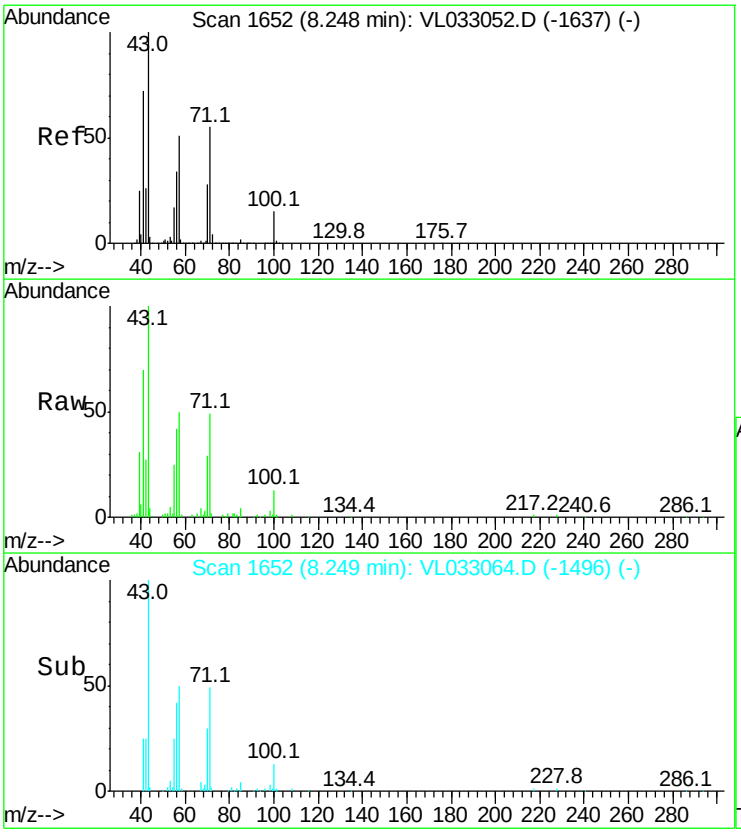
#9
Propene
Concen: 0.418 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 27339

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.3	82.9

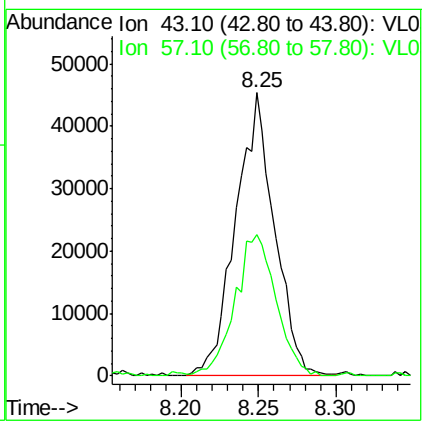


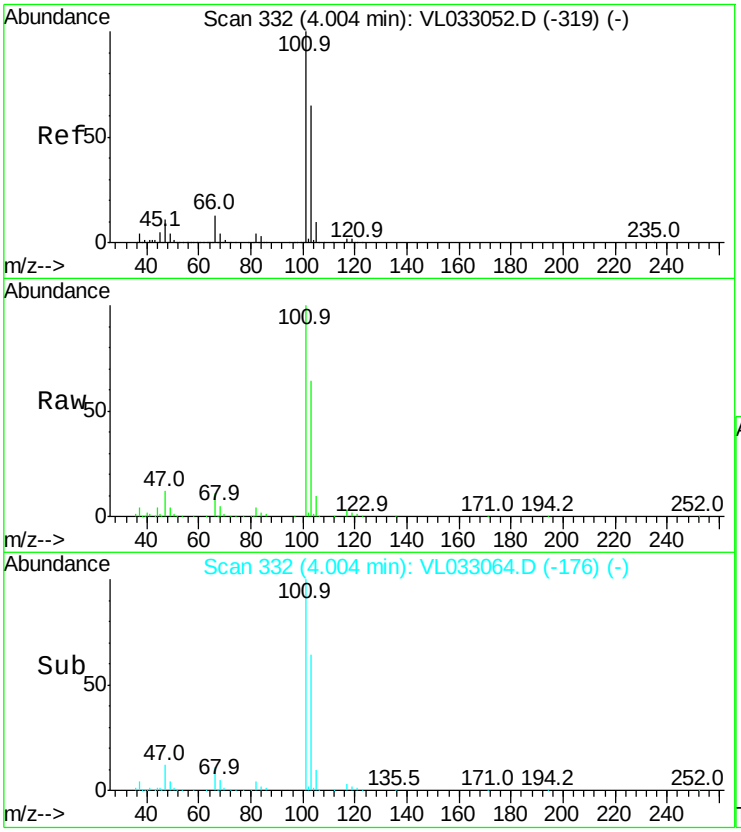


#10
Heptane
Concen: 0.472 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 43 Resp: 79012

Ion	Ratio	Lower	Upper
43	100		
57	53.6	41.9	62.9



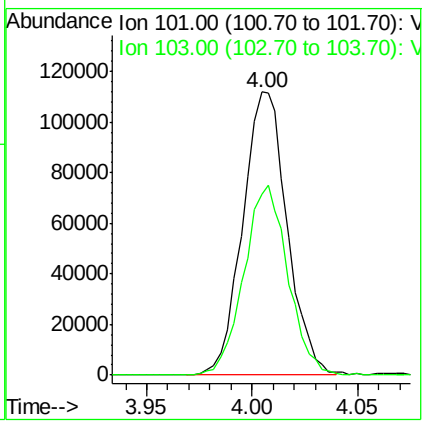


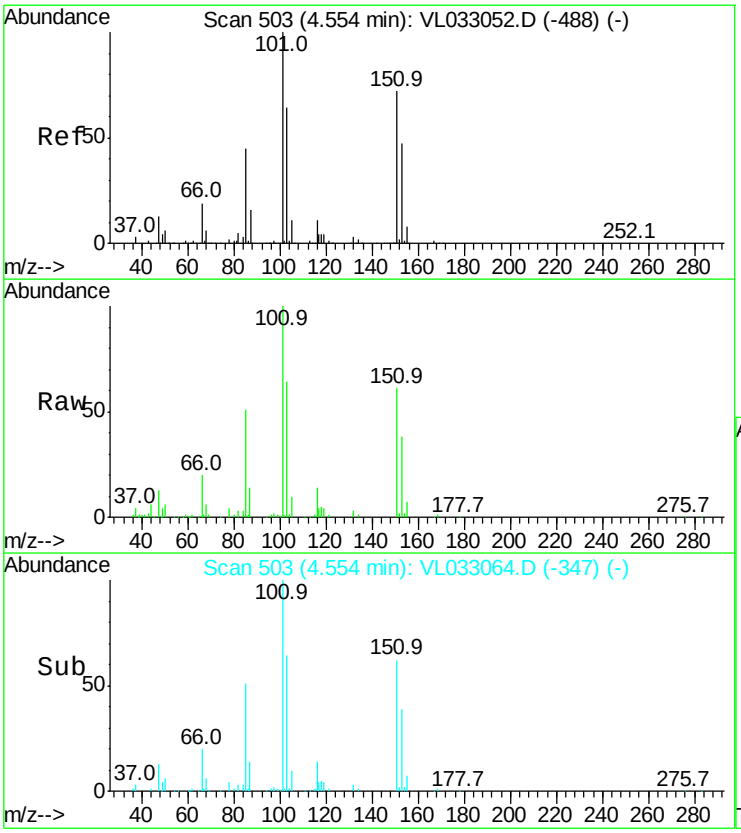
#11
Trichlorofluoromethane
Concen: 0.603 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 163884

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.7	77.5

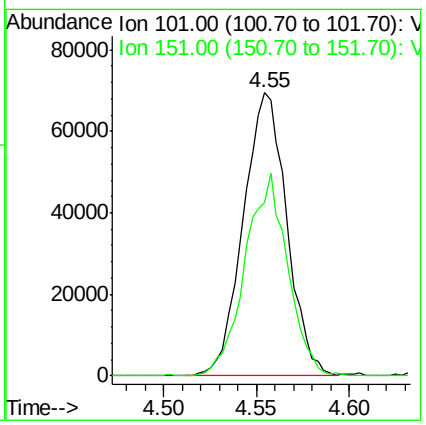


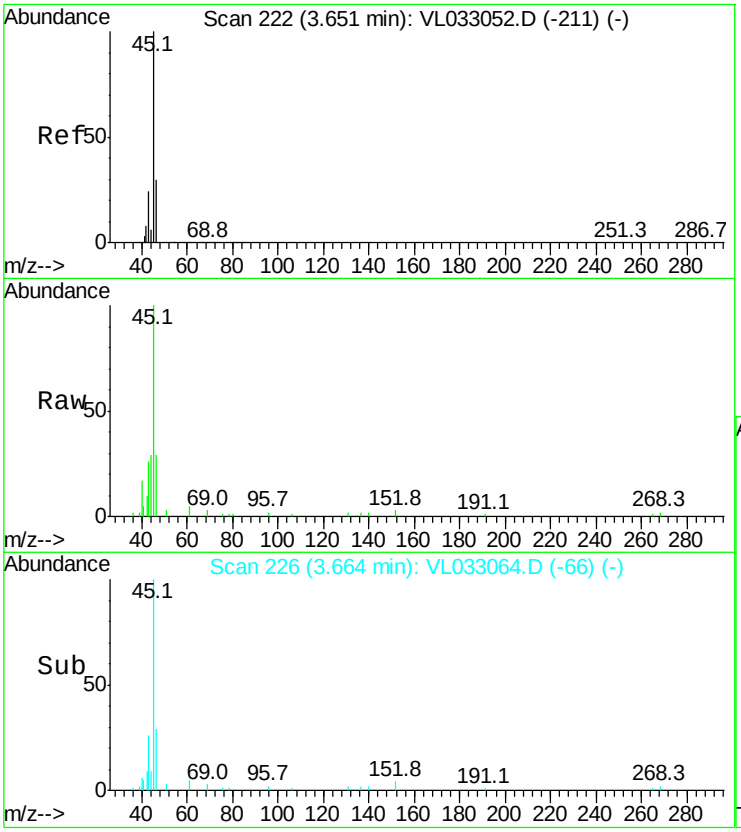


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.614 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:101 Resp: 112888

Ion	Ratio	Lower	Upper
101	100		
151	69.9	58.3	87.5



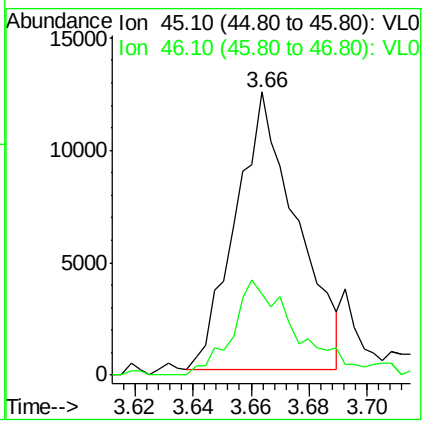


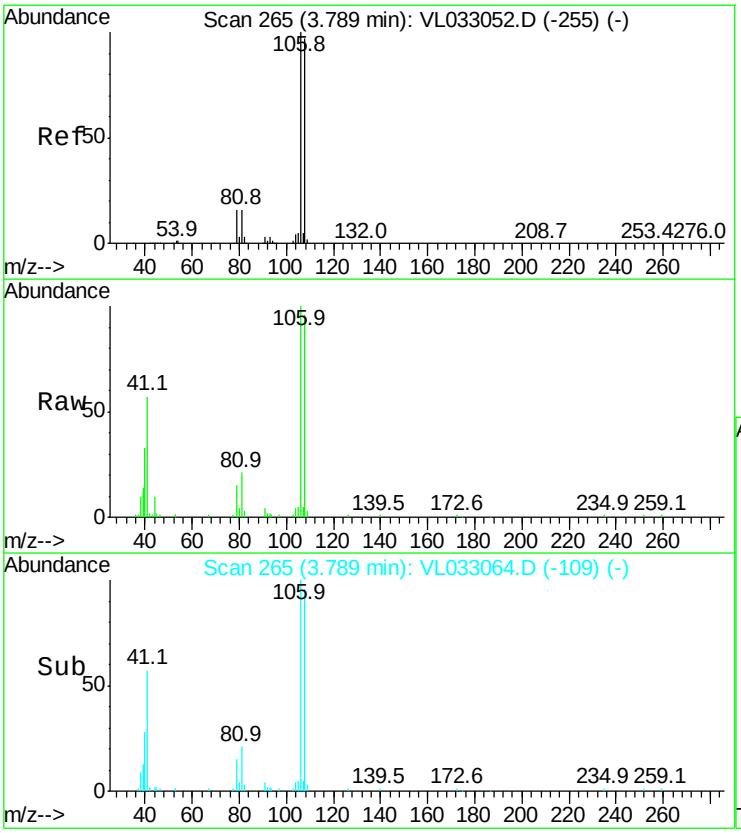
#13
Ethanol
Concen: 0.708 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 18063

Ion	Ratio	Lower	Upper
45	100		
46	37.7	13.8	55.2

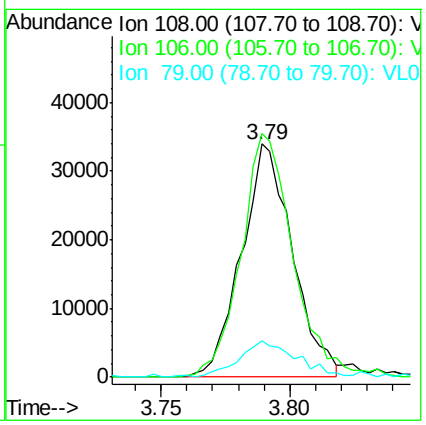


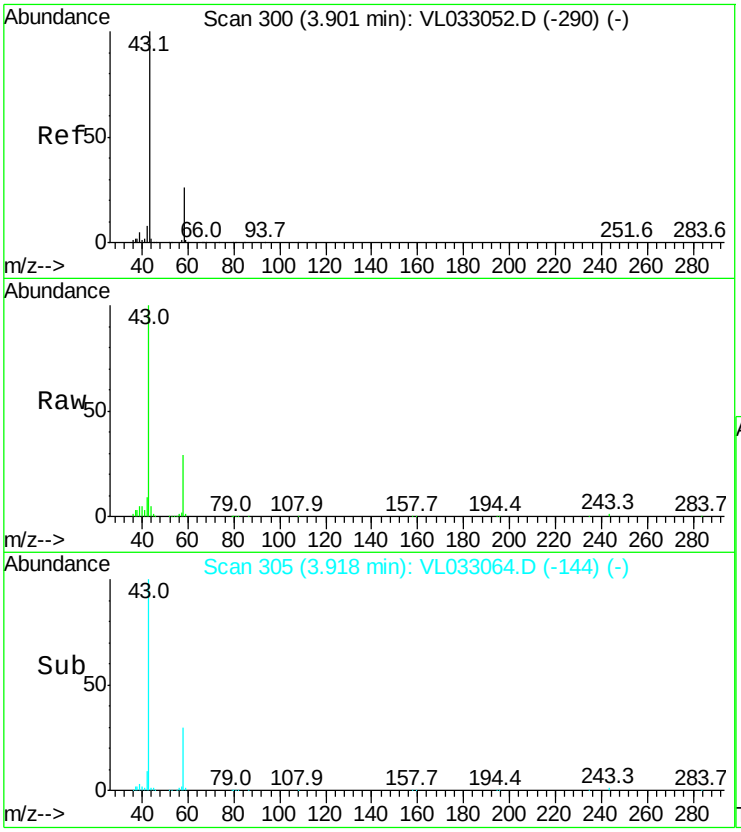


#14
Bromoethene
Concen: 0.599 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:108 Resp: 46904

Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.4	129.6
79	18.4	14.3	21.5



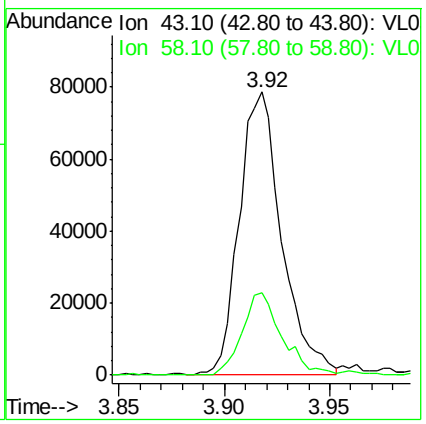


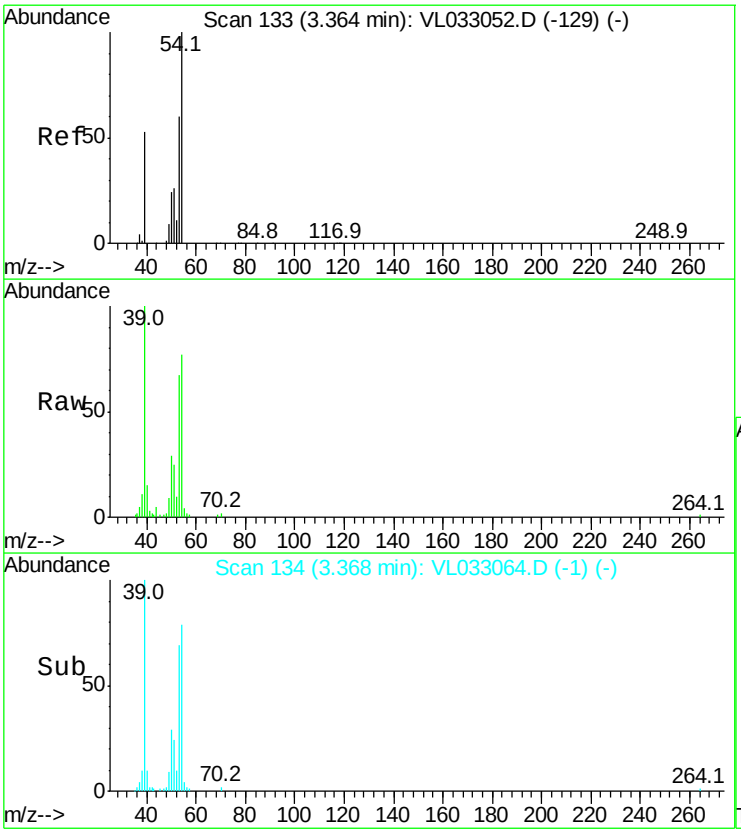
#15
Acetone
Concen: 0.602 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 109097

Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.1	31.7

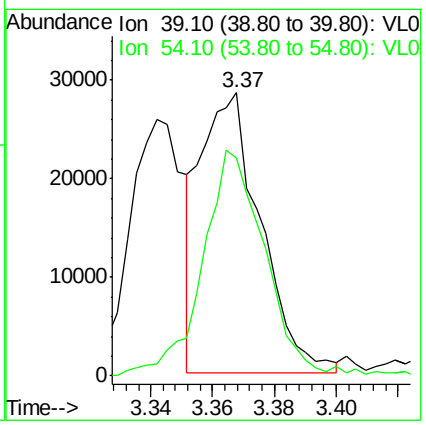


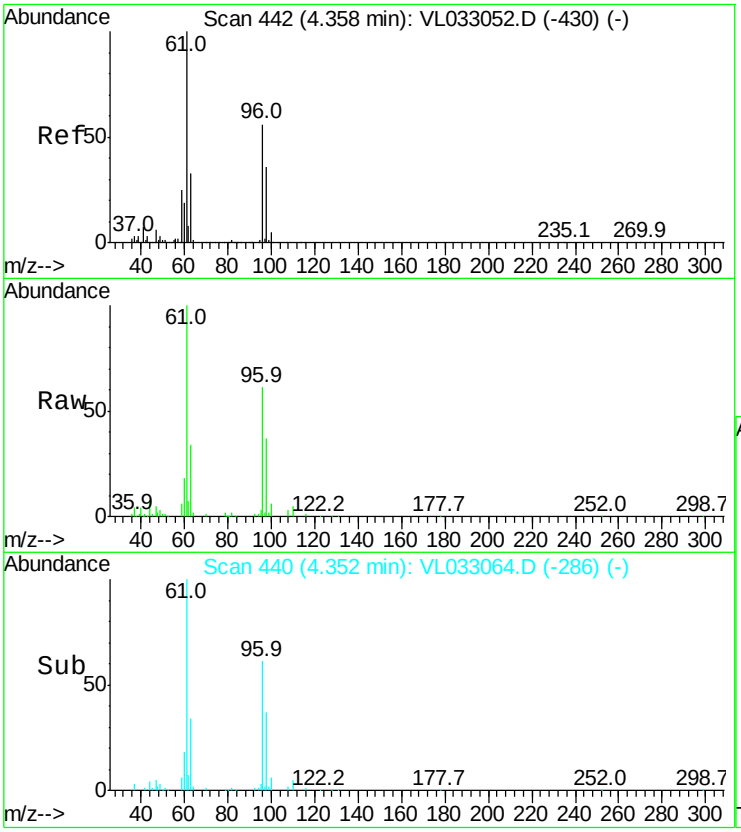


#16
1,3-Butadiene
Concen: 0.484 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 39 Resp: 38197

Ion	Ratio	Lower	Upper
39	100		
54	85.2	73.7	110.5



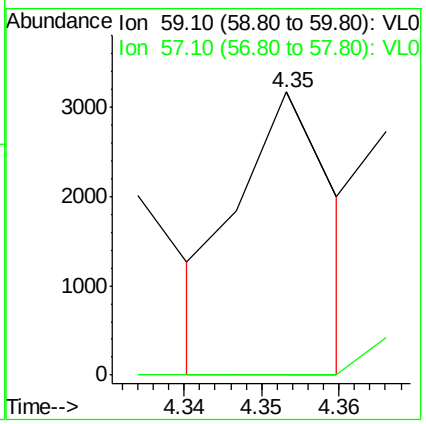


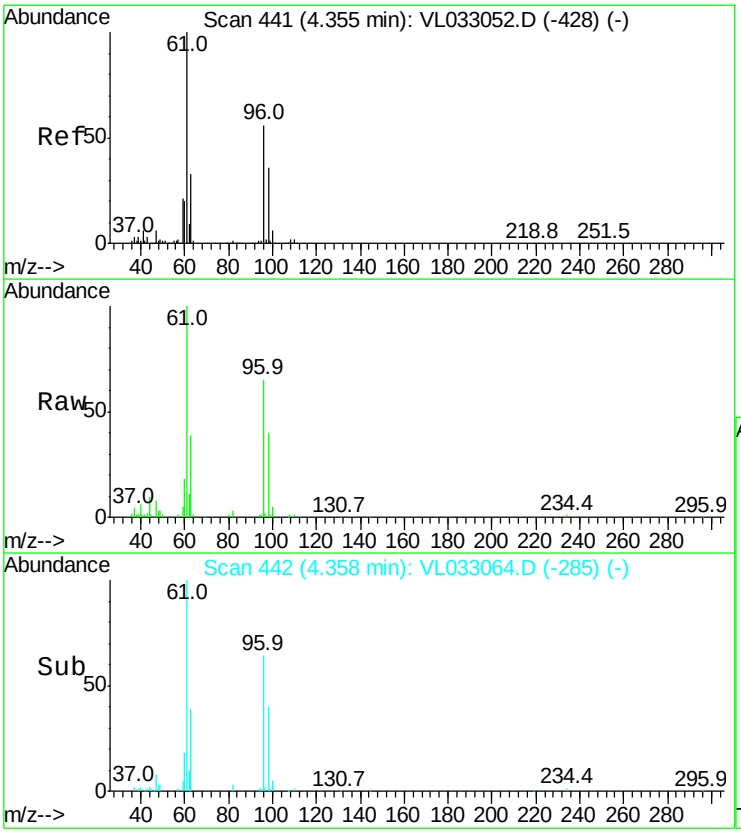
#17
tert-Butyl alcohol
Concen: 0.033 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 1352

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

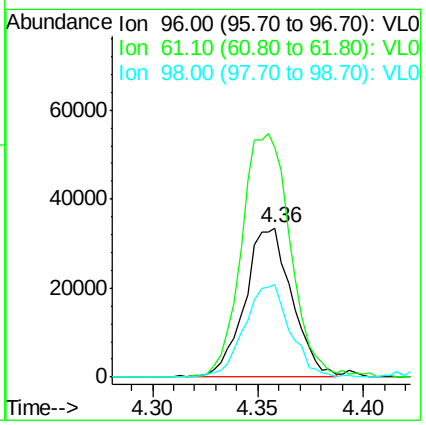


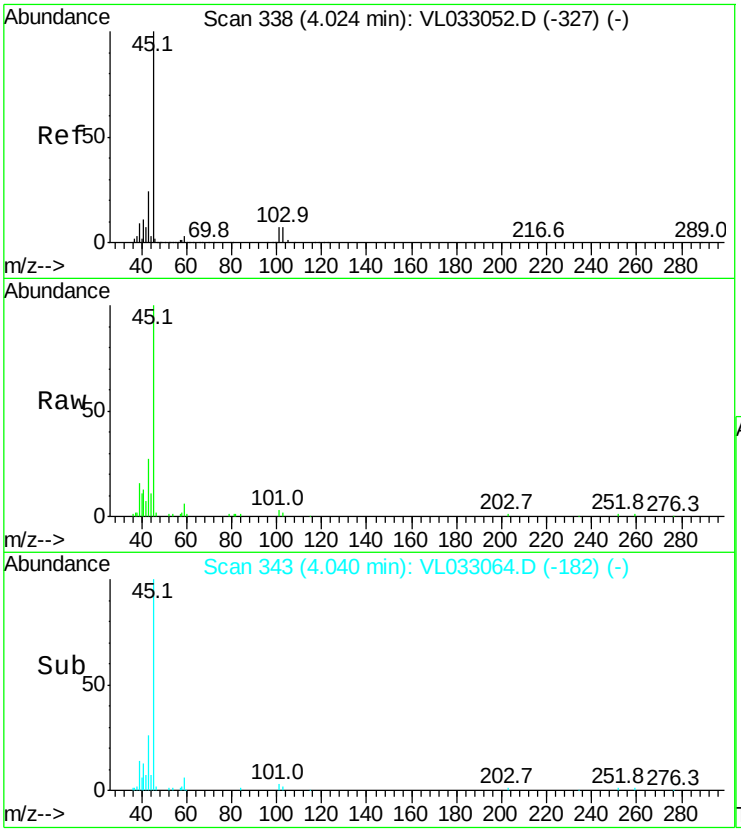


#18
1,1-Dichloroethene
Concen: 0.629 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 96 Resp: 51823

Ion	Ratio	Lower	Upper
96	100		
61	153.7	143.7	215.5
98	62.2	52.1	78.1



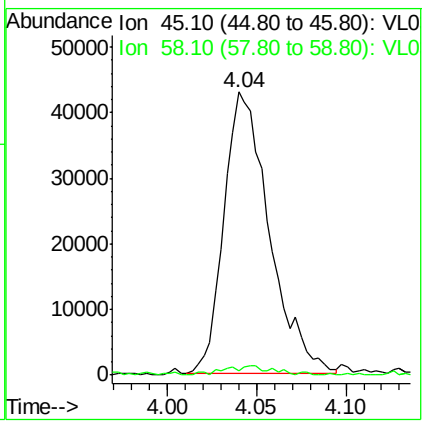


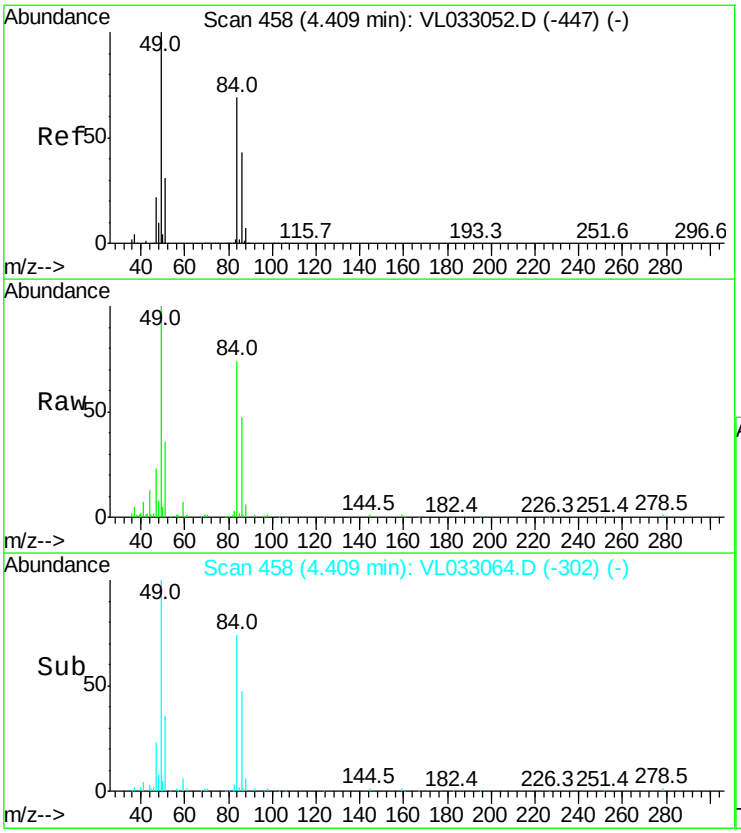
#19
Isopropyl Alcohol
Concen: 0.632 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 76529

Ion	Ratio	Lower	Upper
45	100		
58	3.9	1.4	2.2#

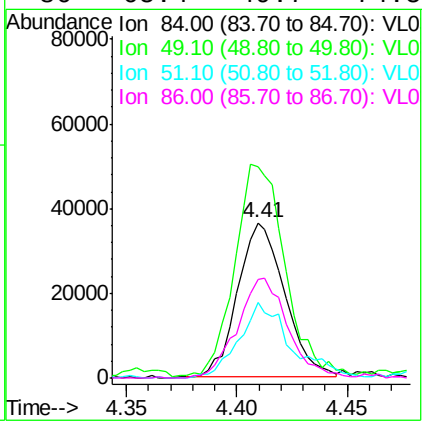


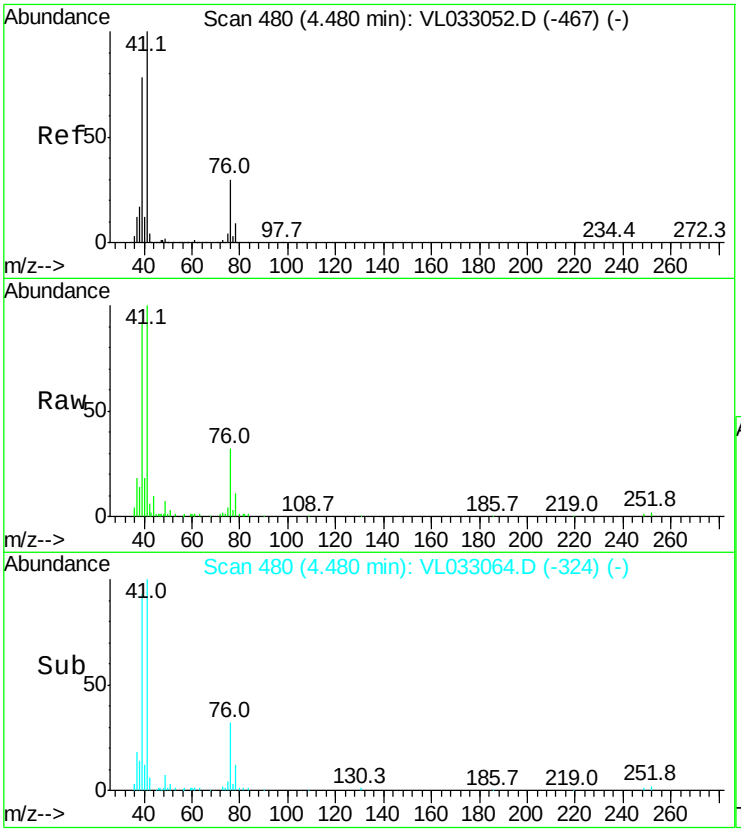


#20
Methylene Chloride
Concen: 0.677 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 84 Resp: 54277

Ion	Ratio	Lower	Upper
84	100		
49	135.2	115.8	173.6
51	49.1	35.7	53.5
86	65.4	49.7	74.5

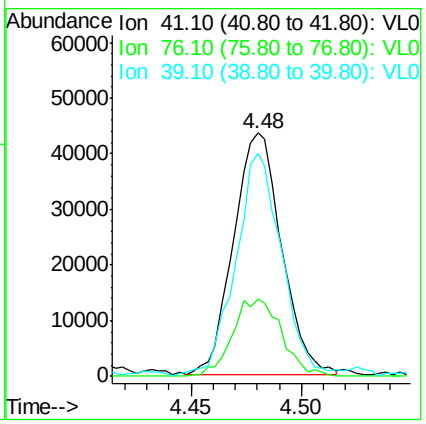




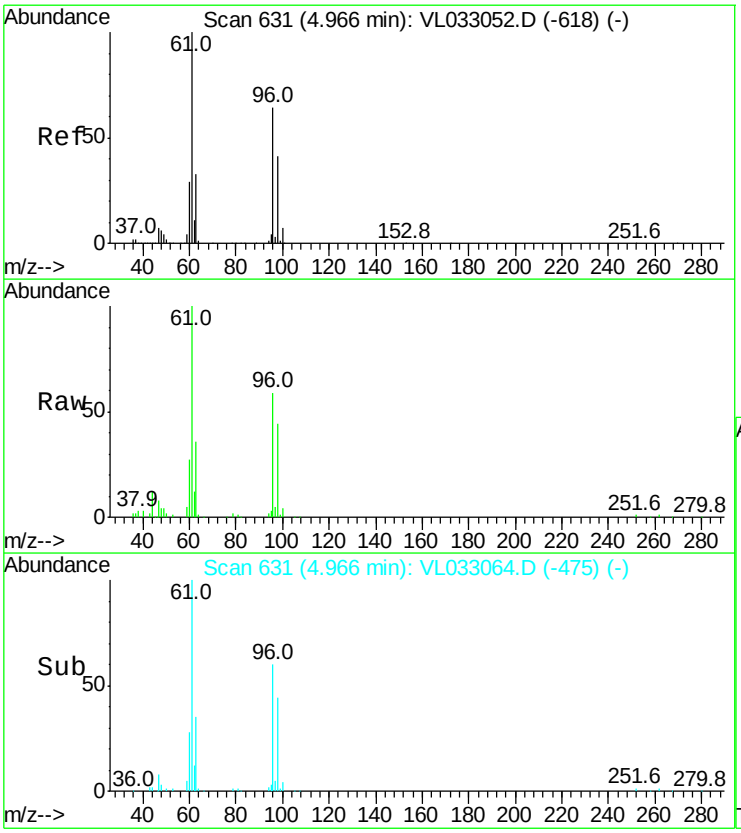
#21
Allyl Chloride
Concen: 0.537 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 41 Resp: 66209

Ion	Ratio	Lower	Upper
41	100		
76	32.4	24.6	36.8
39	91.8	62.8	94.2



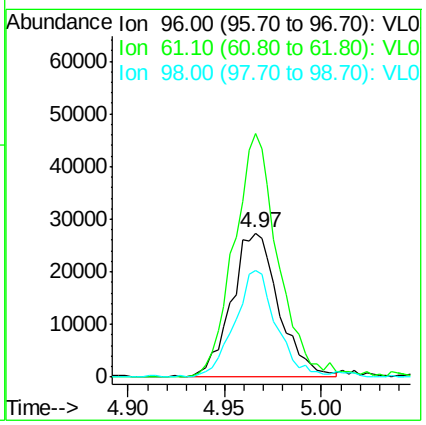
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

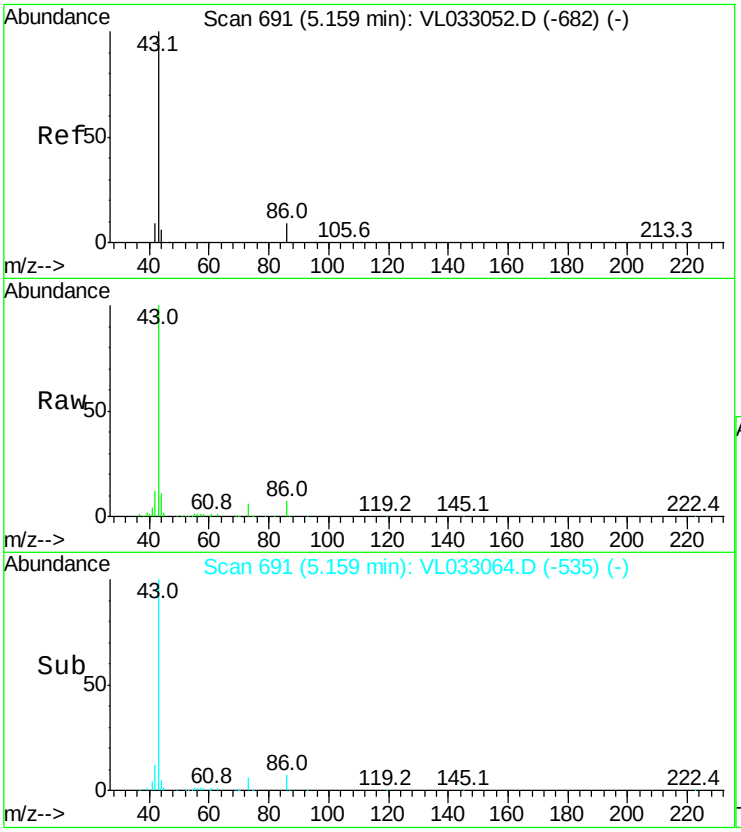


#22
trans-1,2-Dichloroethene
Concen: 0.566 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 96 Resp: 45500

Ion	Ratio	Lower	Upper
96	100		
61	169.9	125.2	187.8
98	74.2	50.9	76.3



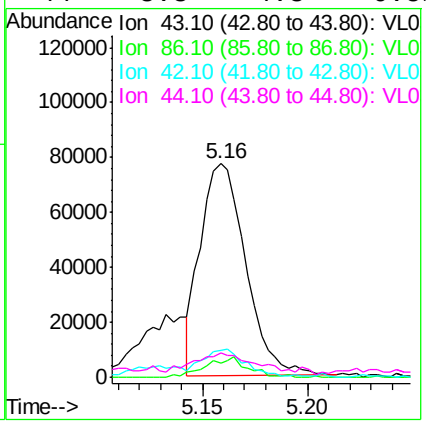


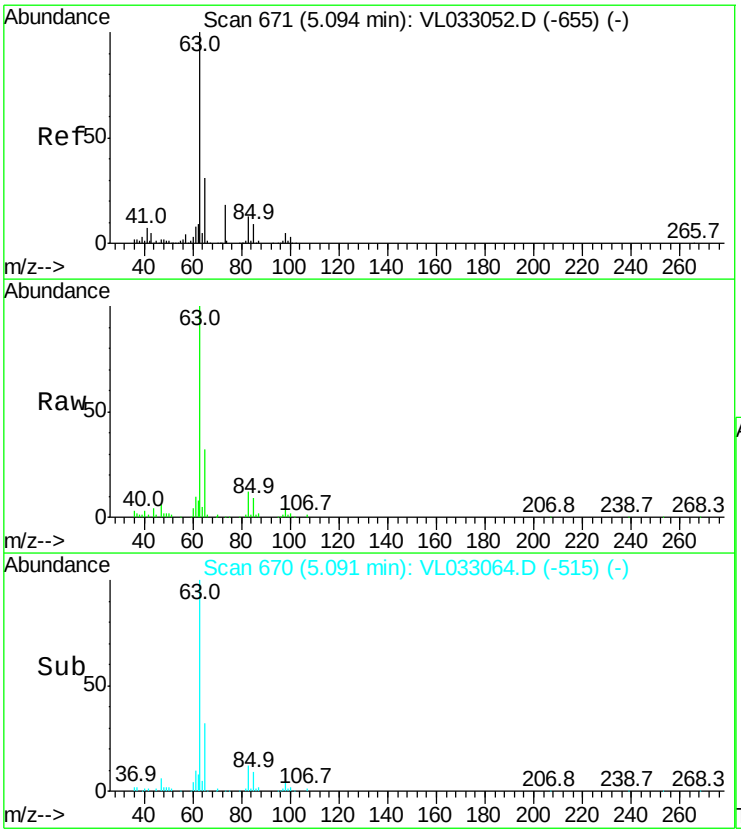
#23
Vinyl Acetate
Concen: 0.461 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 115533

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.4
42	12.5	8.1	12.1#
44	8.3	4.3	6.5#

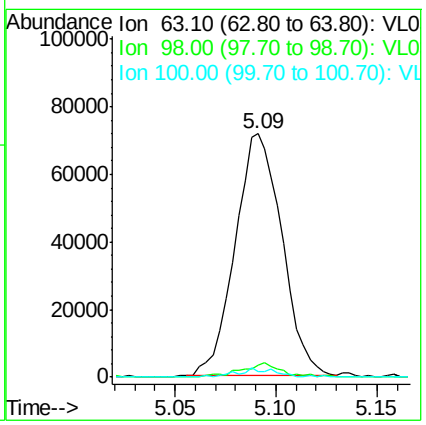


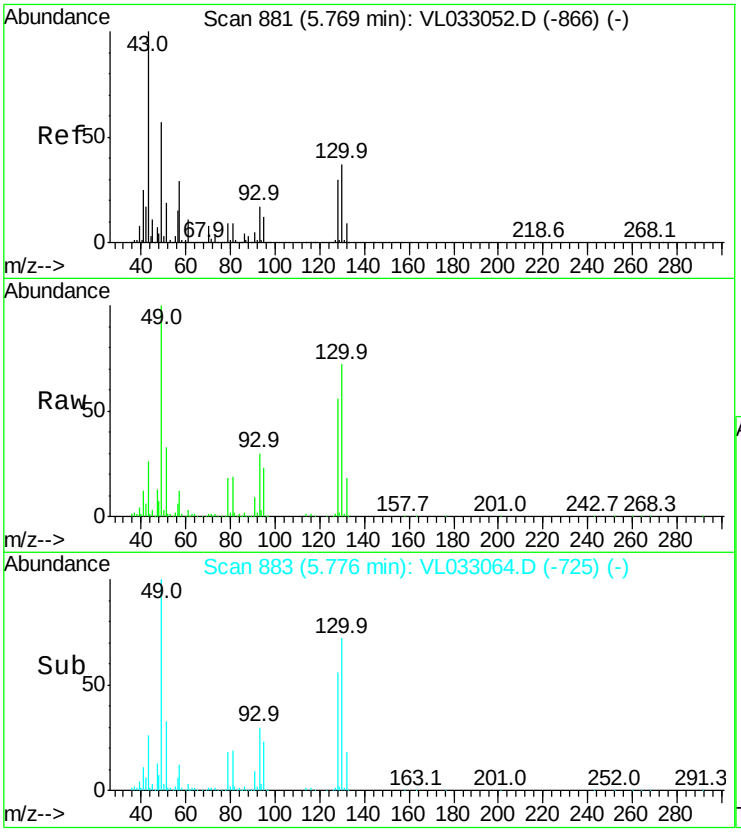


#24
1,1-Dichloroethane
Concen: 0.560 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 63 Resp: 116462

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.2
100	2.2	1.4	4.0



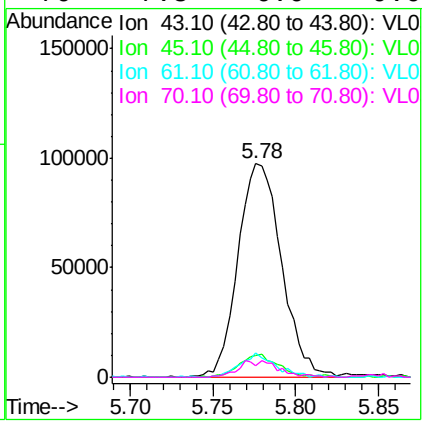


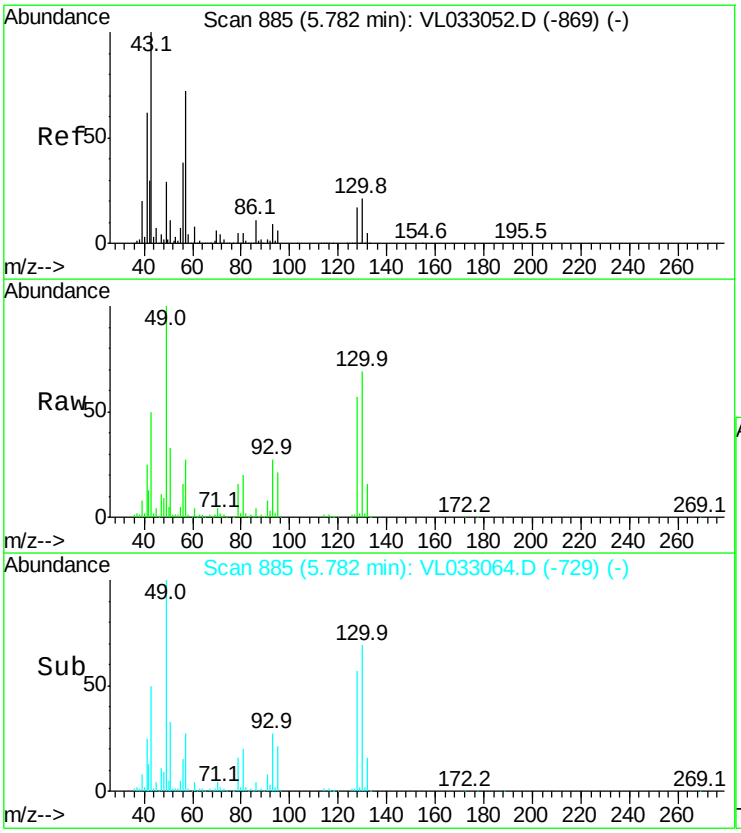
#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 177805

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.4	7.8	11.8
70	7.3	6.0	9.0

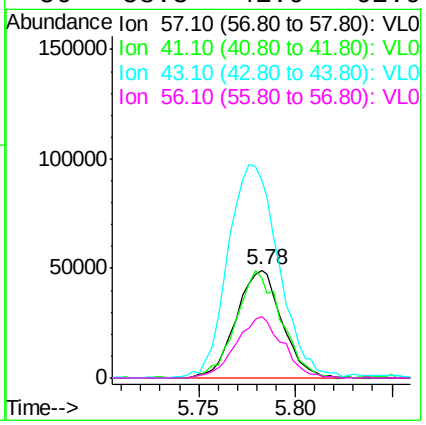


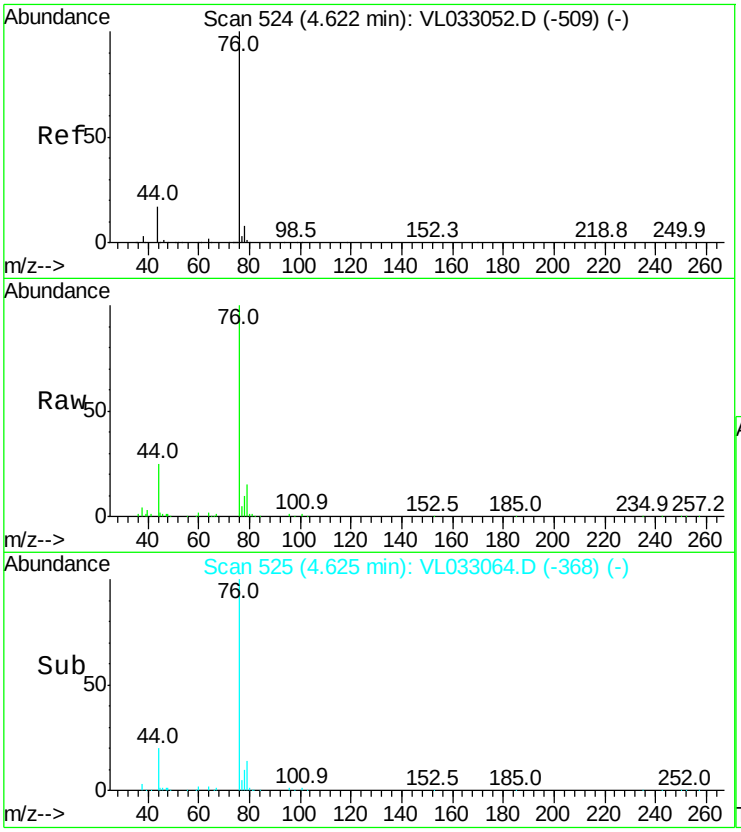


#26
Hexane
Concen: 0.526 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 57 Resp: 80973

Ion	Ratio	Lower	Upper
57	100		
41	98.5	70.8	106.2
43	224.3	171.8	257.6
56	58.3	41.9	62.9



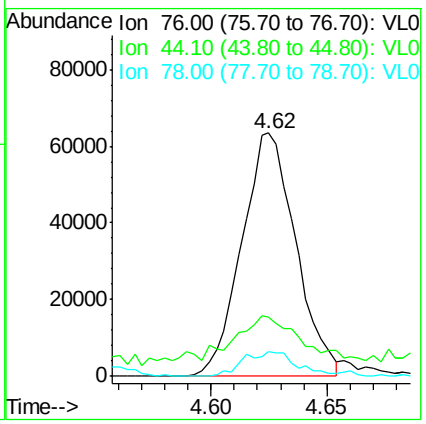


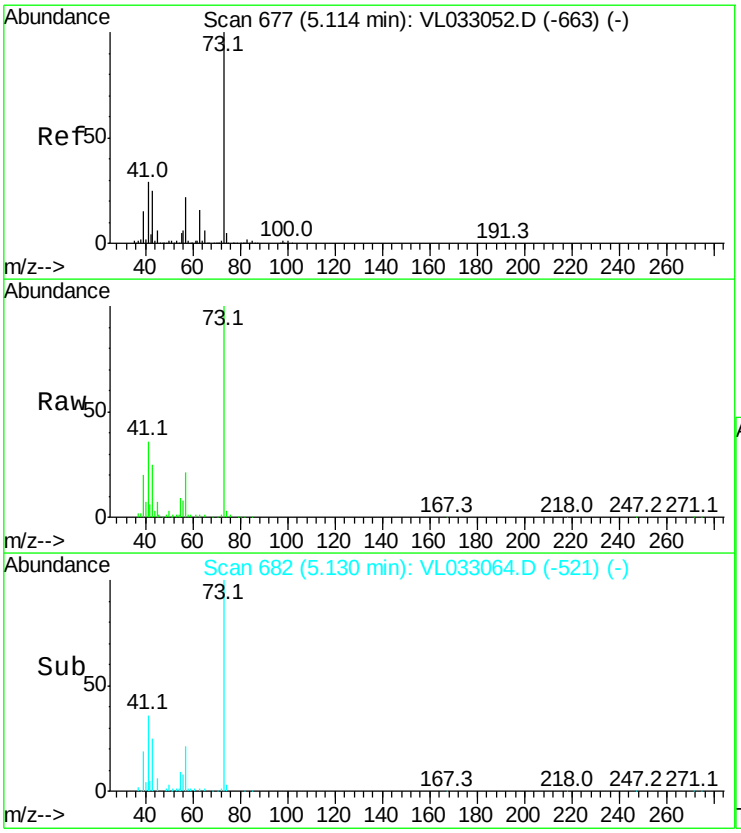
#27
Carbon Disulfide
Concen: 0.535 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 102853

Ion	Ratio	Lower	Upper
76	100		
44	31.2	13.9	20.9#
78	10.8	7.3	10.9

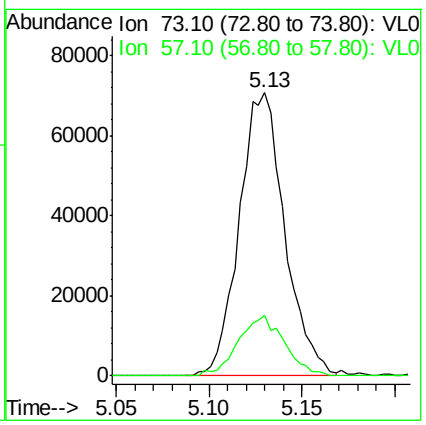


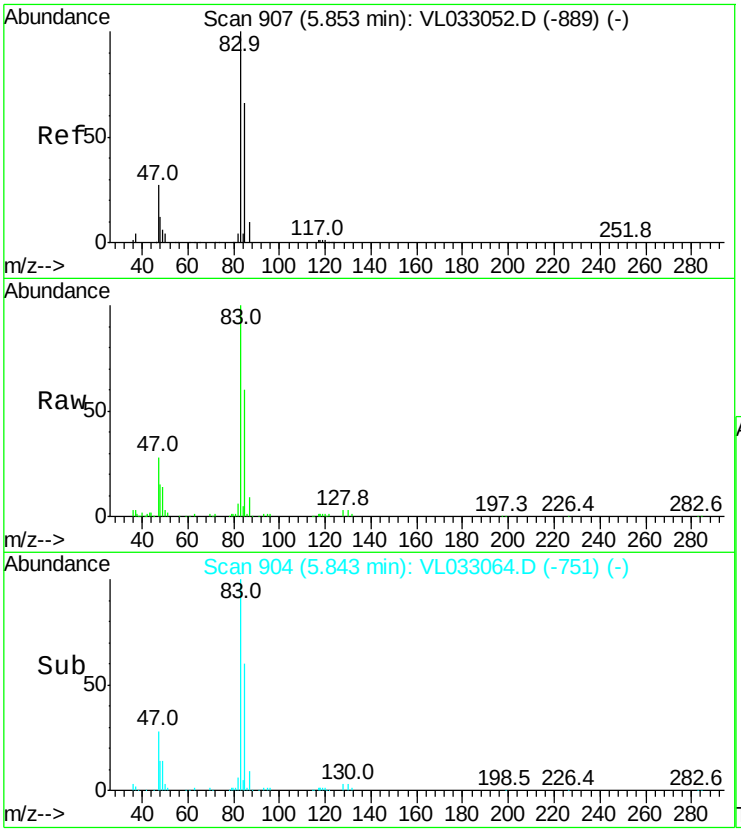


#28
Methyl tert-Butyl Ether
Concen: 0.502 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 73 Resp: 120937

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.5	26.3



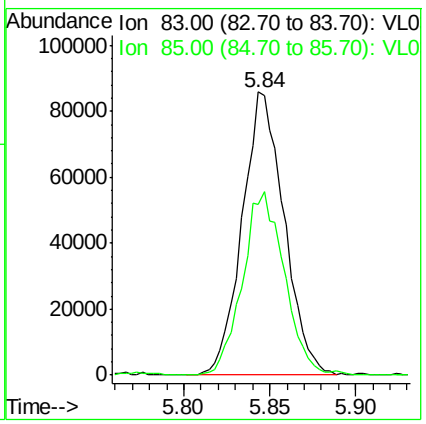


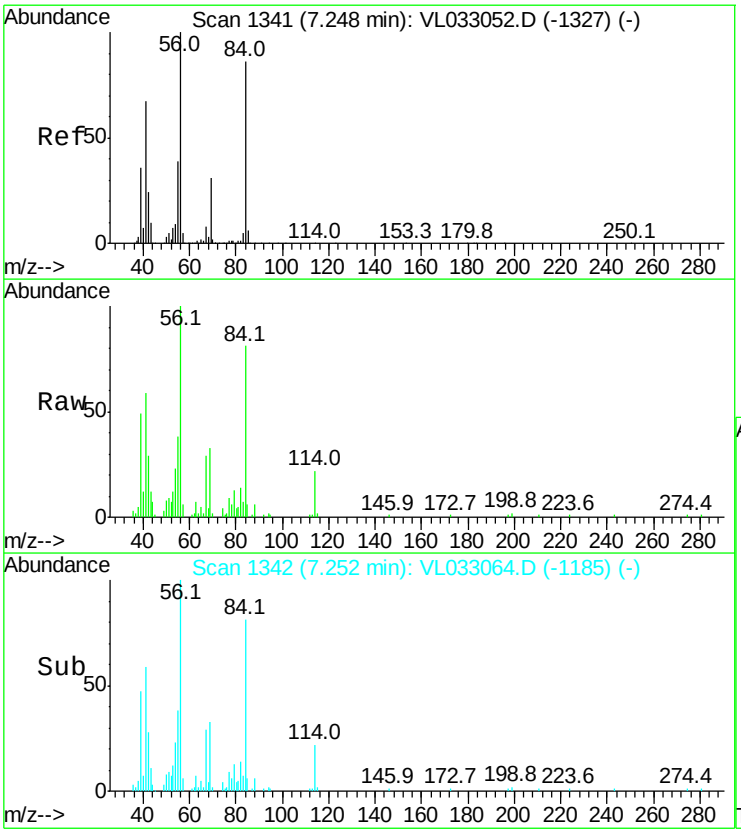
#29
Chloroform
Concen: 0.568 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 144871

Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.5	78.7

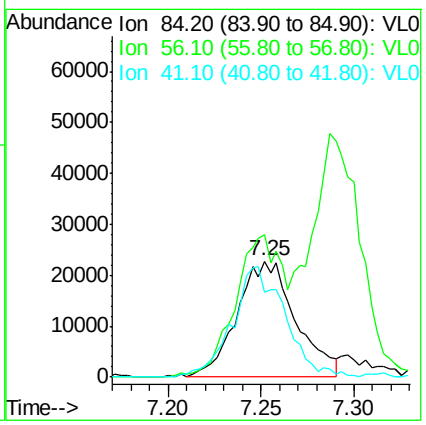


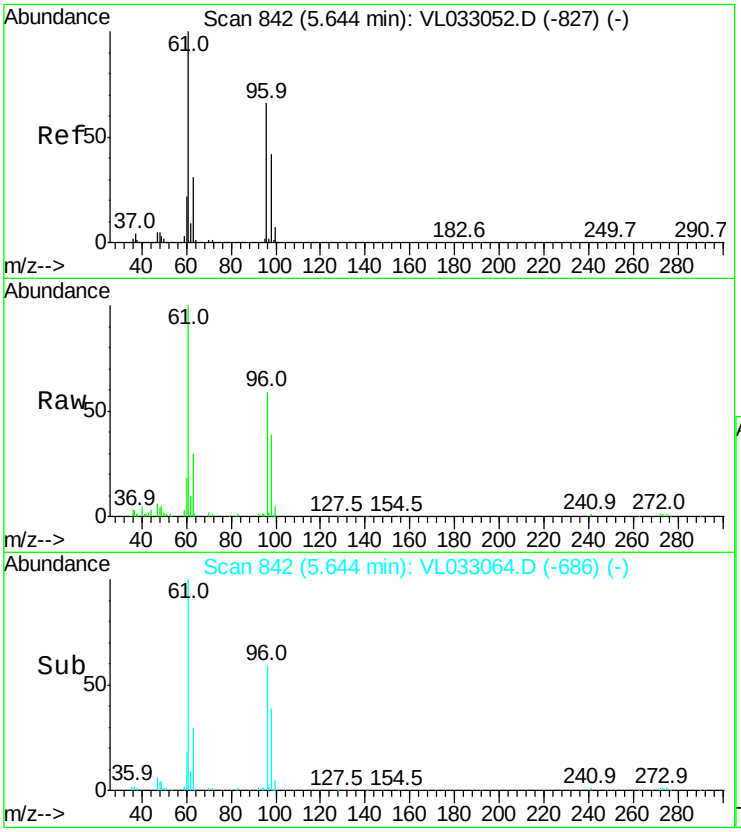


#30
Cyclohexane
Concen: 0.434 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 84 Resp: 50148

Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.8	152.6#
41	86.5	63.2	94.8



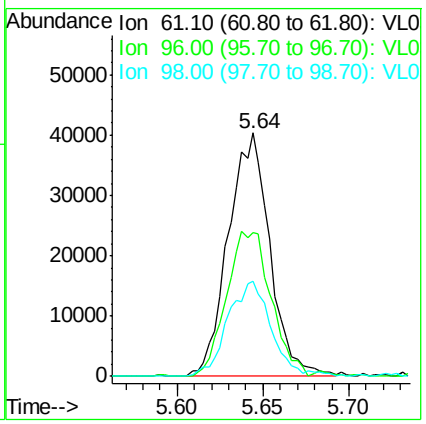


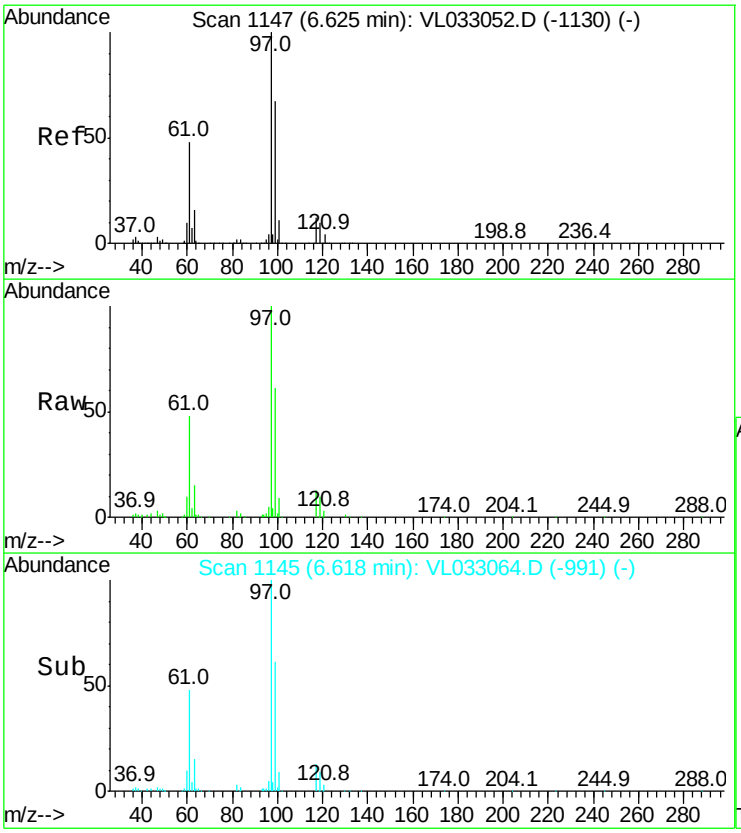
#31
cis-1,2-Dichloroethene
Concen: 0.476 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 61 Resp: 67824

Ion	Ratio	Lower	Upper
61	100		
96	59.2	52.8	79.2
98	39.1	33.8	50.6

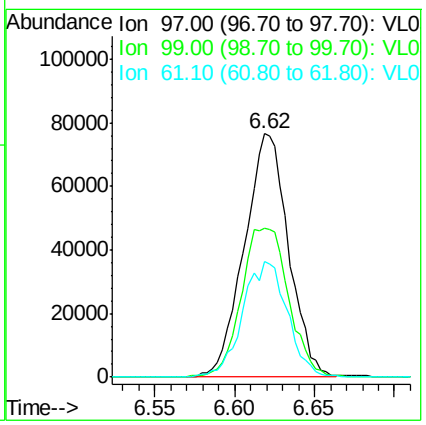


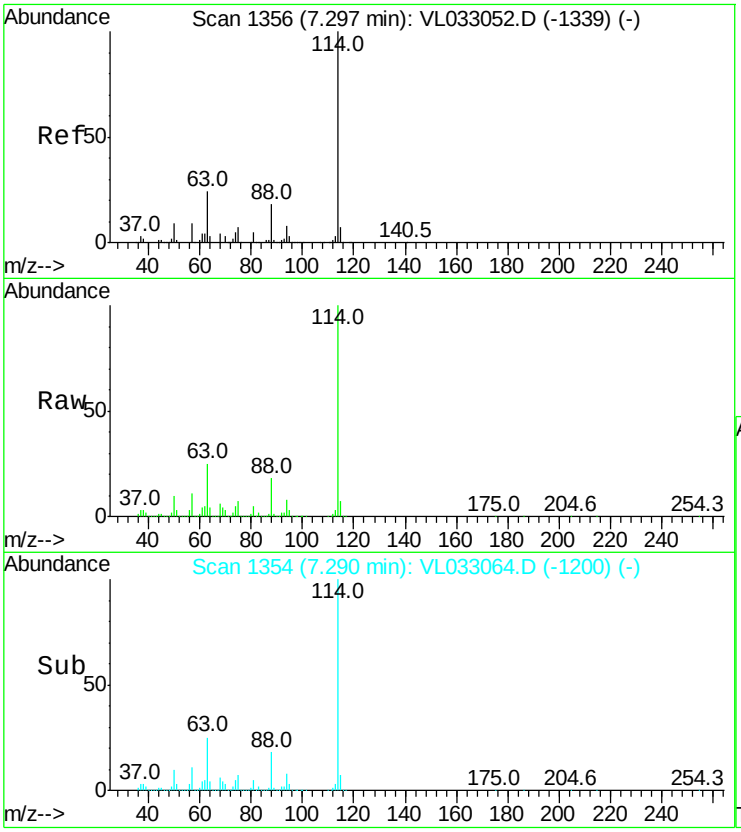


#32
1,1,1-Trichloroethane
Concen: 0.540 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 97 Resp: 145336

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	47.8	38.3	57.5



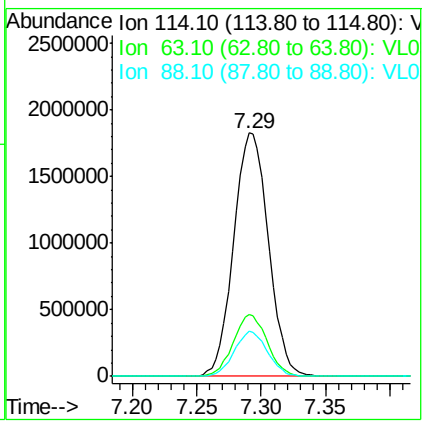


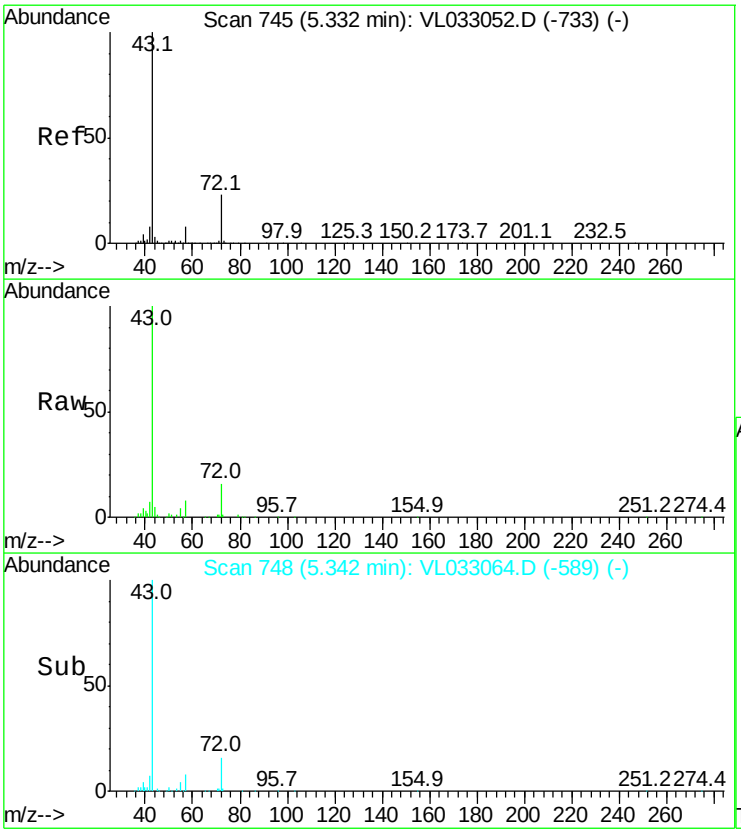
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 3430157

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.7	14.0	21.0

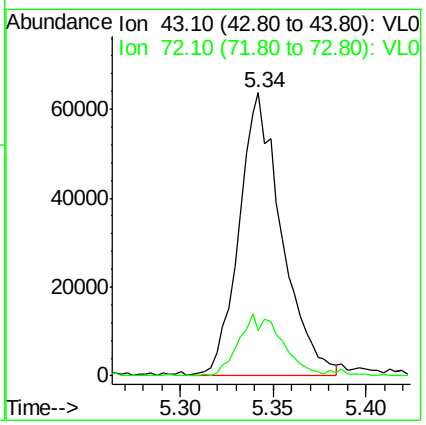


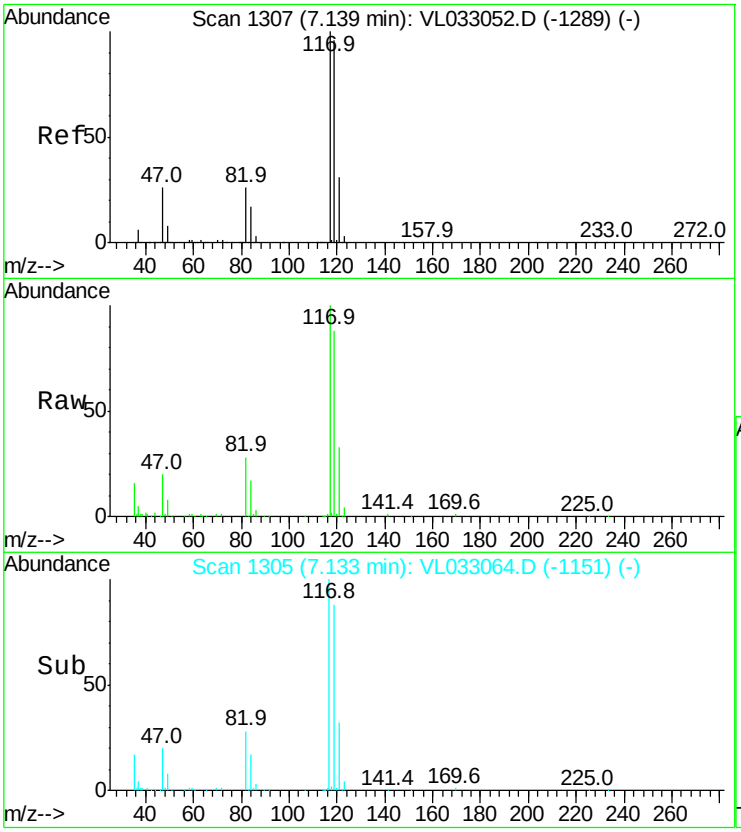


#34
2-Butanone
Concen: 0.504 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 43 Resp: 100975

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3



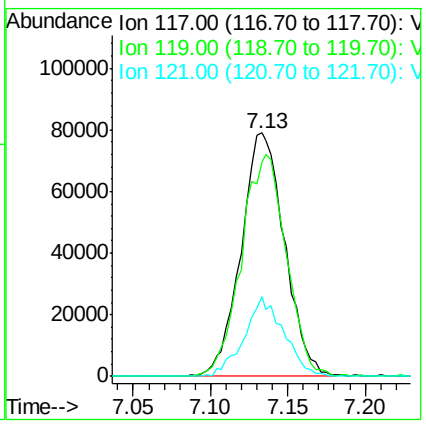


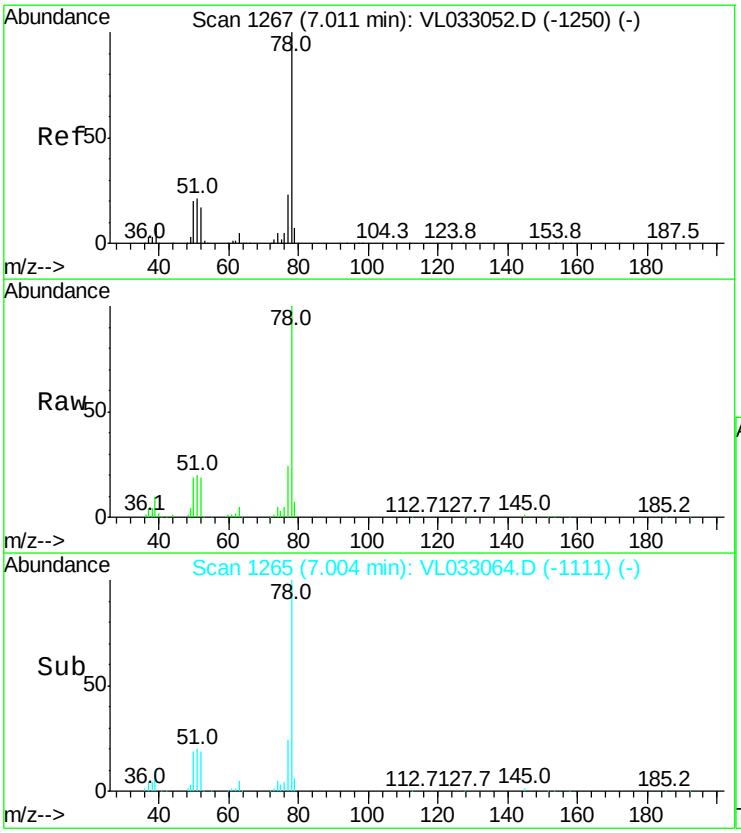
#35
Carbon Tetrachloride
Concen: 0.522 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 154496

Ion	Ratio	Lower	Upper
117	100		
119	87.8	76.5	114.7
121	32.6	25.2	37.8

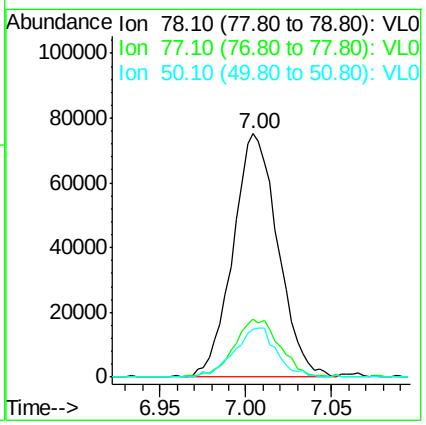


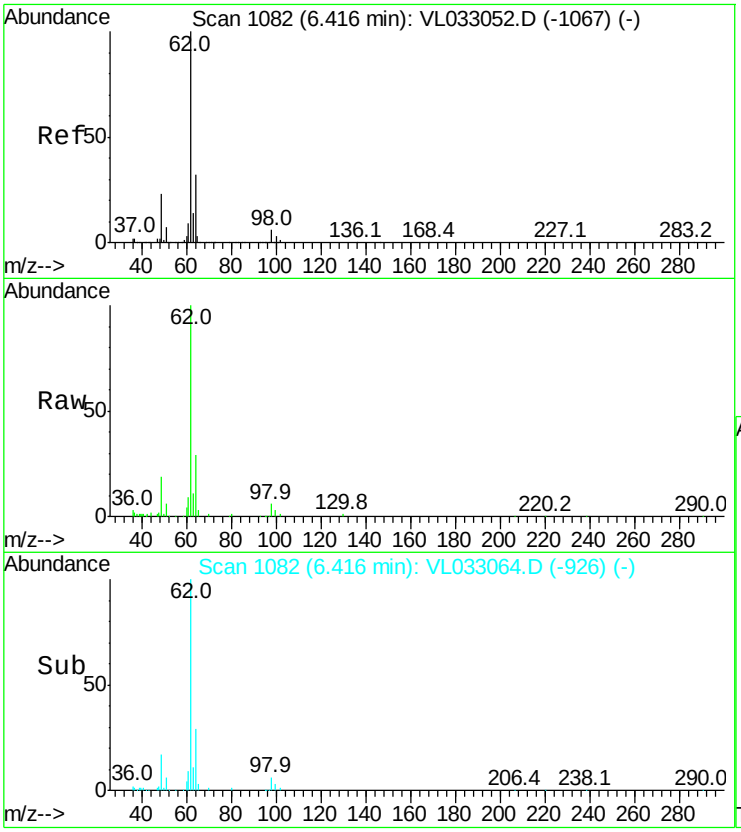


#36
Benzene
Concen: 0.480 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 78 Resp: 135490

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7
50	19.4	15.7	23.5



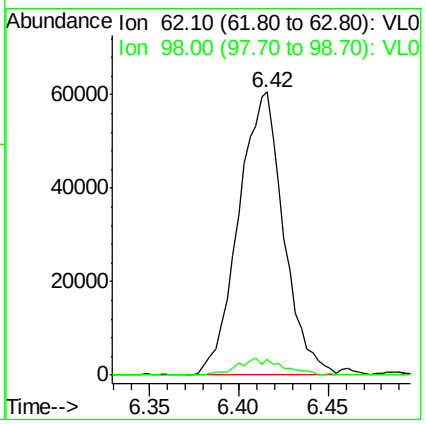


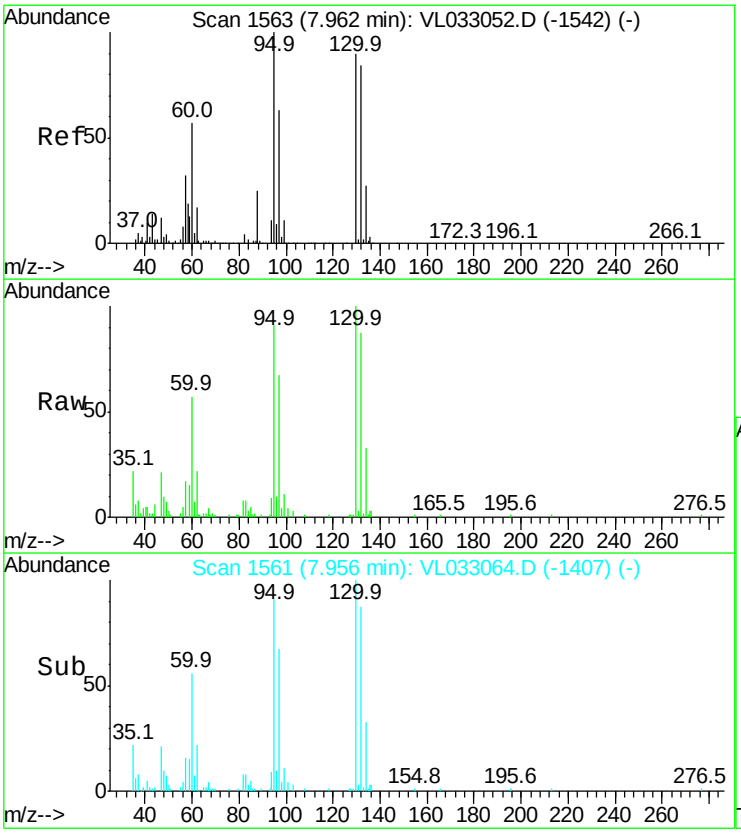
#37
1,2-Dichloroethane
Concen: 0.555 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 106479

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.6	7.0

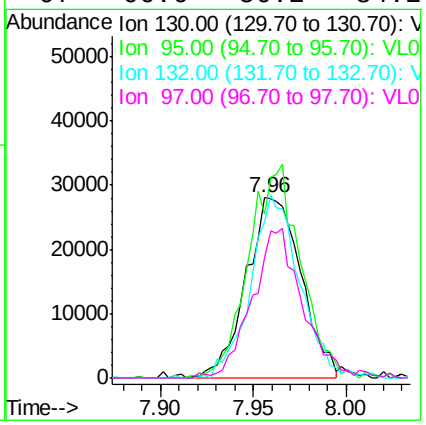


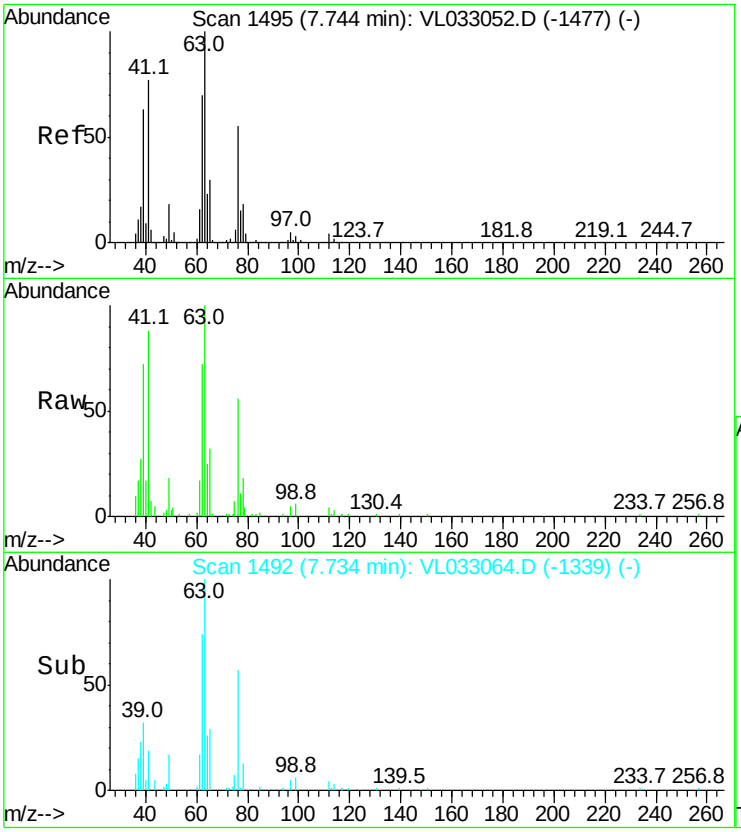


#38
Trichloroethene
Concen: 0.490 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:130 Resp: 57705

Ion	Ratio	Lower	Upper
130	100		
95	90.5	88.6	132.8
132	86.8	74.2	111.2
97	66.6	56.2	84.2



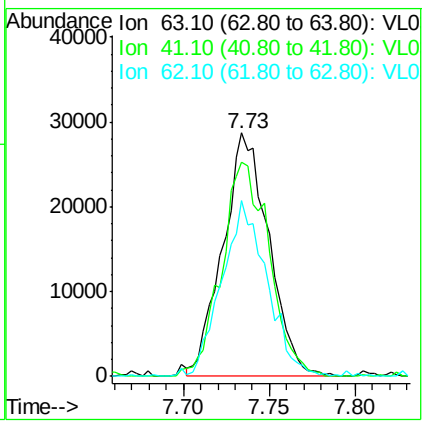


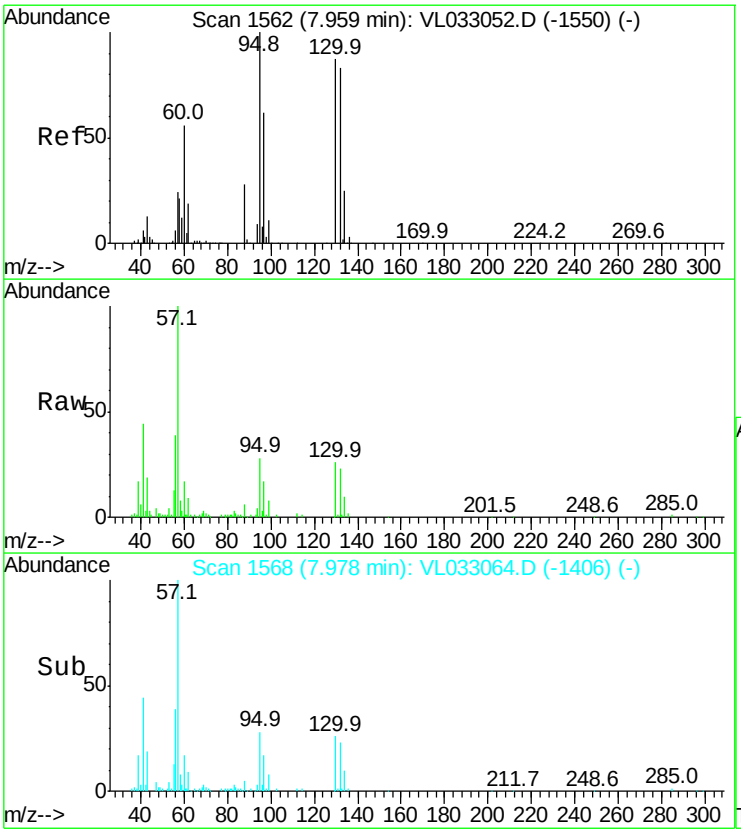
#39
1,2-Dichloropropane
Concen: 0.505 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 53437

Ion	Ratio	Lower	Upper
63	100		
41	87.7	61.9	92.9
62	71.5	55.8	83.6

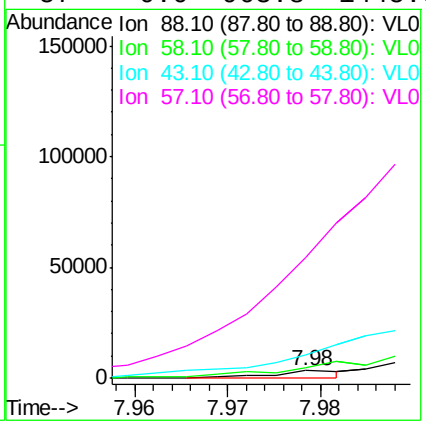


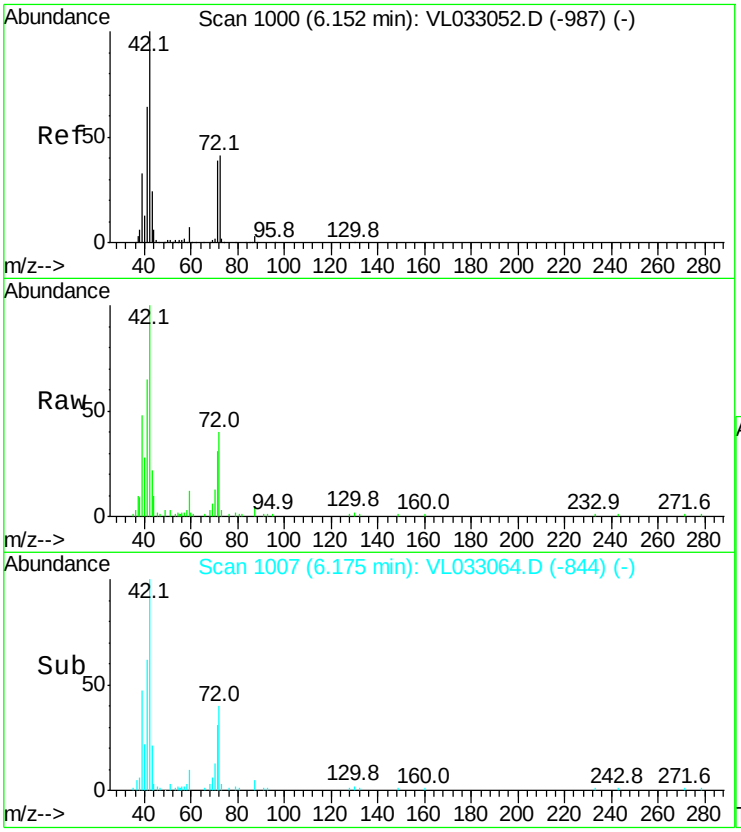


#40
1,4-Dioxane
Concen: 0.046 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 88 Resp: 1832

Ion	Ratio	Lower	Upper
88	100		
58	0.0	101.9	152.9#
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



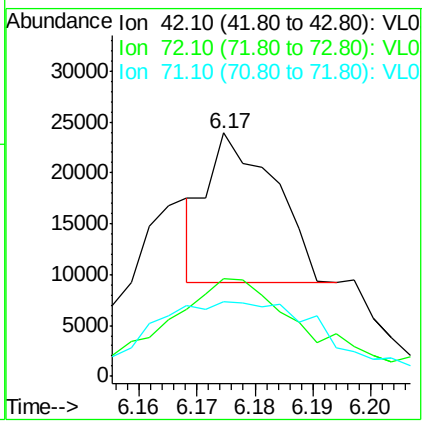


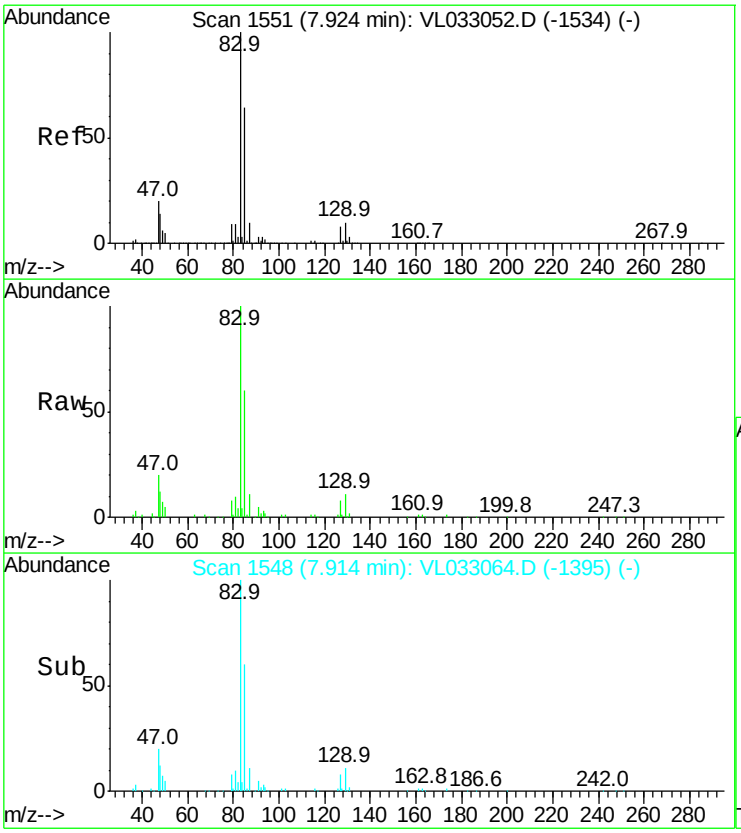
#41
Tetrahydrofuran
Concen: 0.116 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 11874

Ion	Ratio	Lower	Upper
42	100		
72	148.3	32.9	49.3#
71	138.5	31.8	47.6#

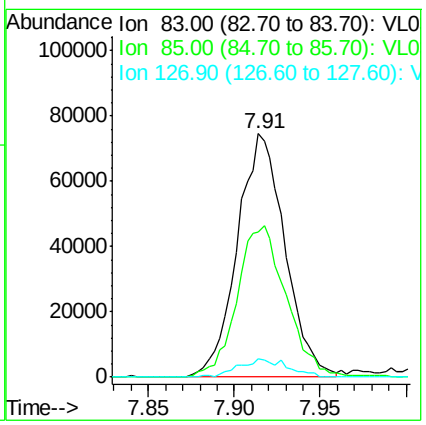


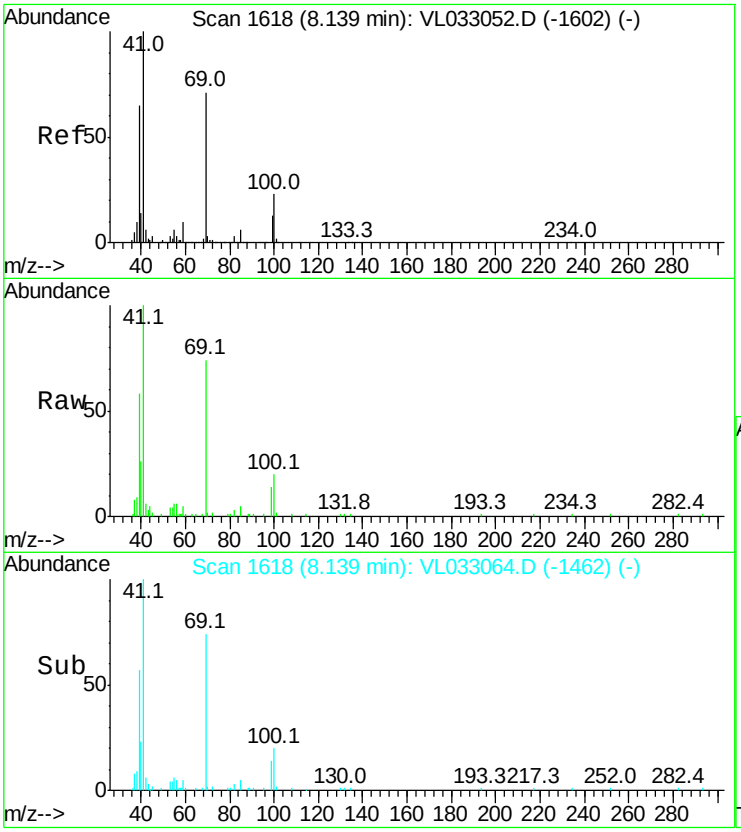


#42
Bromodichloromethane
Concen: 0.516 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 83 Resp: 142519

Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.0	76.4
127	7.6	6.5	9.7



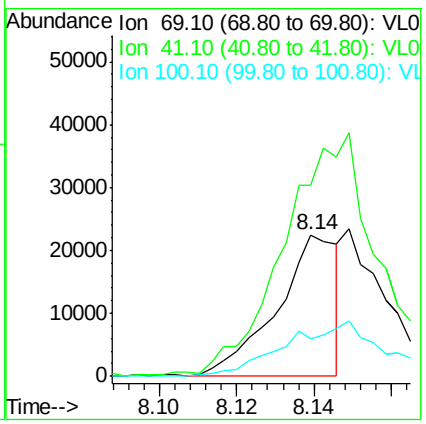


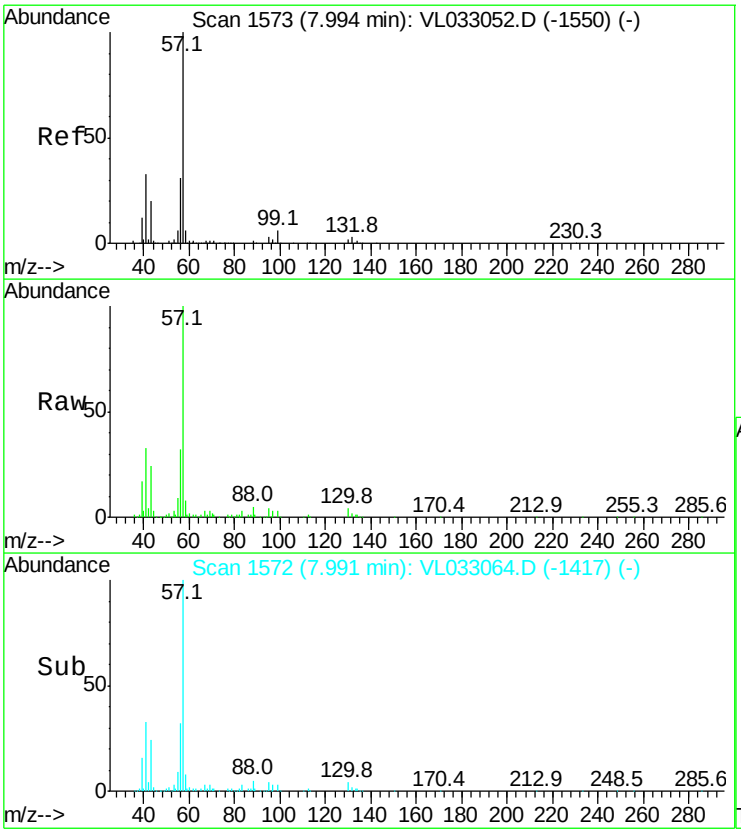
#43
Methyl Methacrylate
Concen: 0.229 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 69 Resp: 24119

Ion	Ratio	Lower	Upper
69	100		
41	0.0	114.0	171.0#
100	0.0	26.3	39.5#

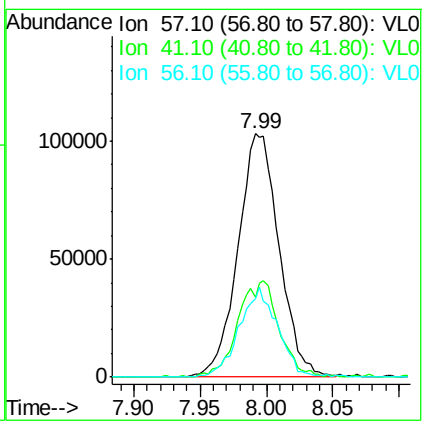


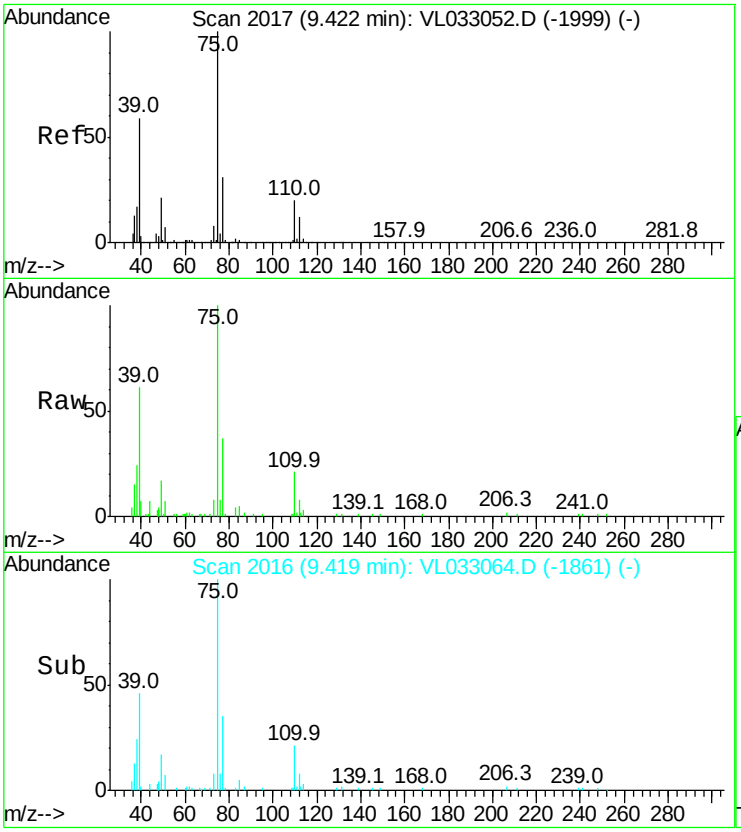


#44
2,2,4-Trimethylpentane
Concen: 0.445 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 57 Resp: 222160

Ion	Ratio	Lower	Upper
57	100		
41	40.0	26.2	39.2#
56	34.6	24.9	37.3



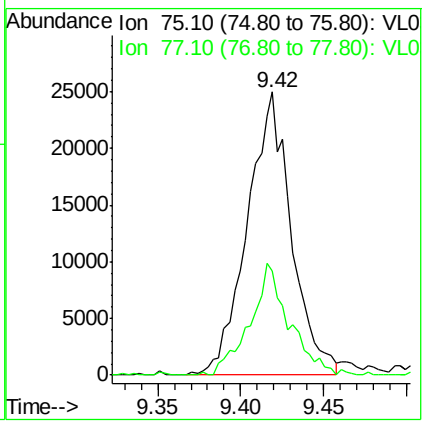


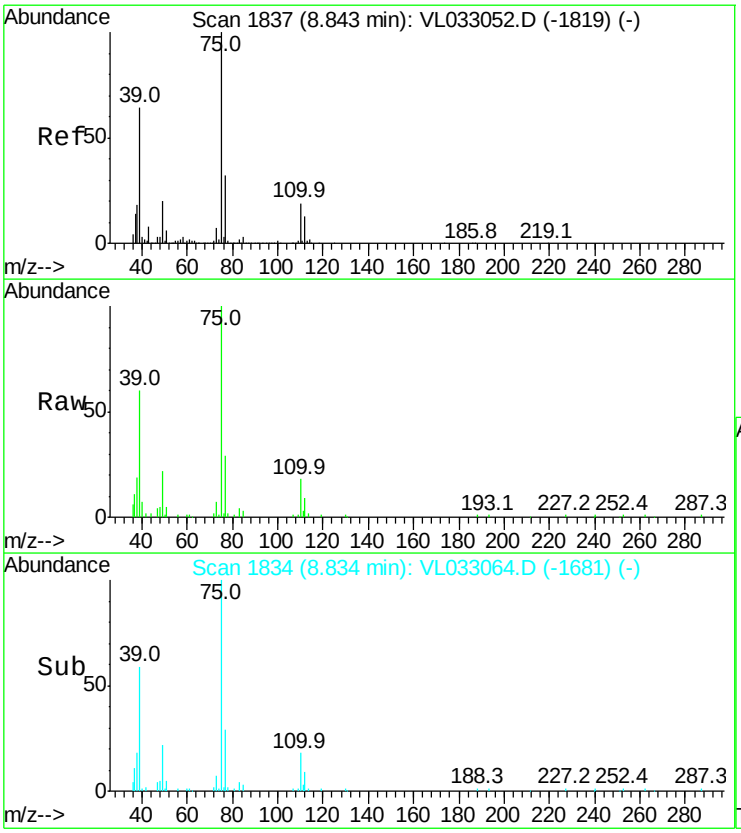
#45
t-1,3-Dichloropropene
Concen: 0.318 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 46234

Ion	Ratio	Lower	Upper
75	100		
77	36.6	24.8	37.2

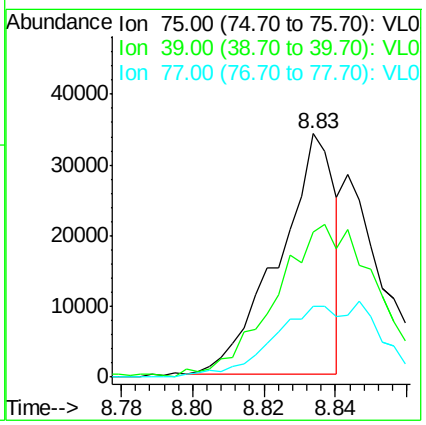


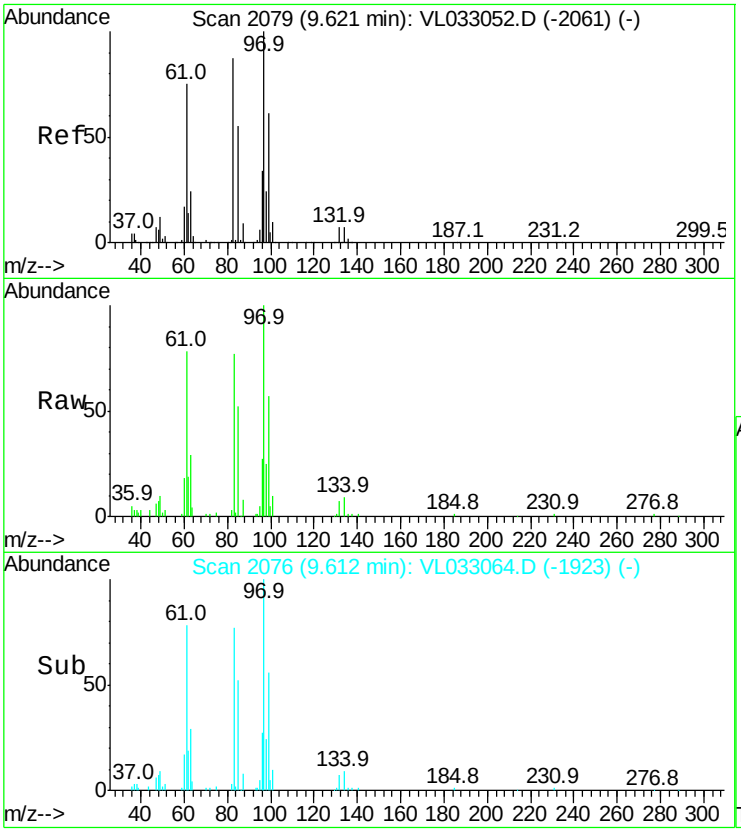


#46
cis-1,3-Dichloropropene
Concen: 0.234 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 75 Resp: 37013

Ion	Ratio	Lower	Upper
75	100		
39	57.2	51.3	76.9
77	28.6	25.5	38.3



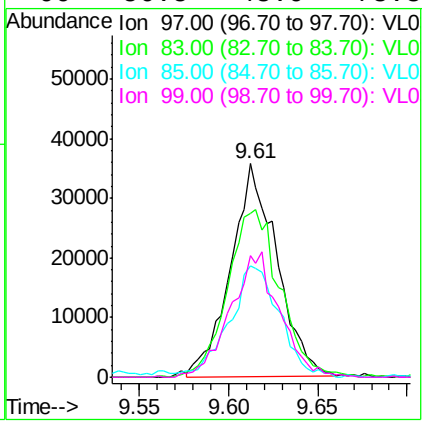


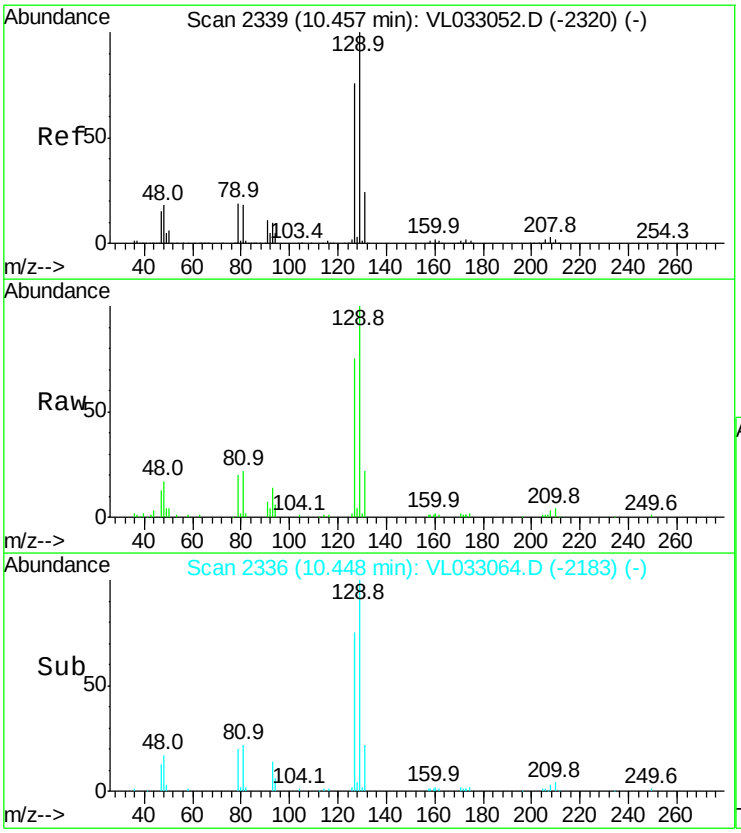
#47
1,1,2-Trichloroethane
Concen: 0.504 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 97 Resp: 64383

Ion	Ratio	Lower	Upper
97	100		
83	75.3	69.4	104.2
85	52.7	44.2	66.2
99	56.5	48.9	73.3

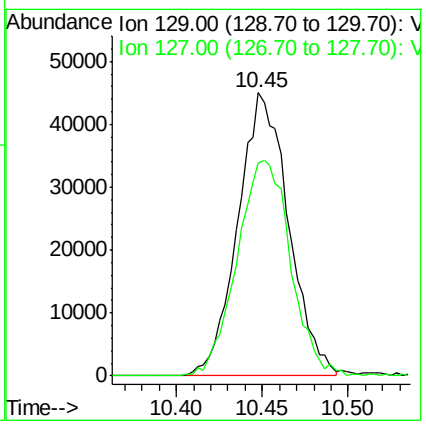


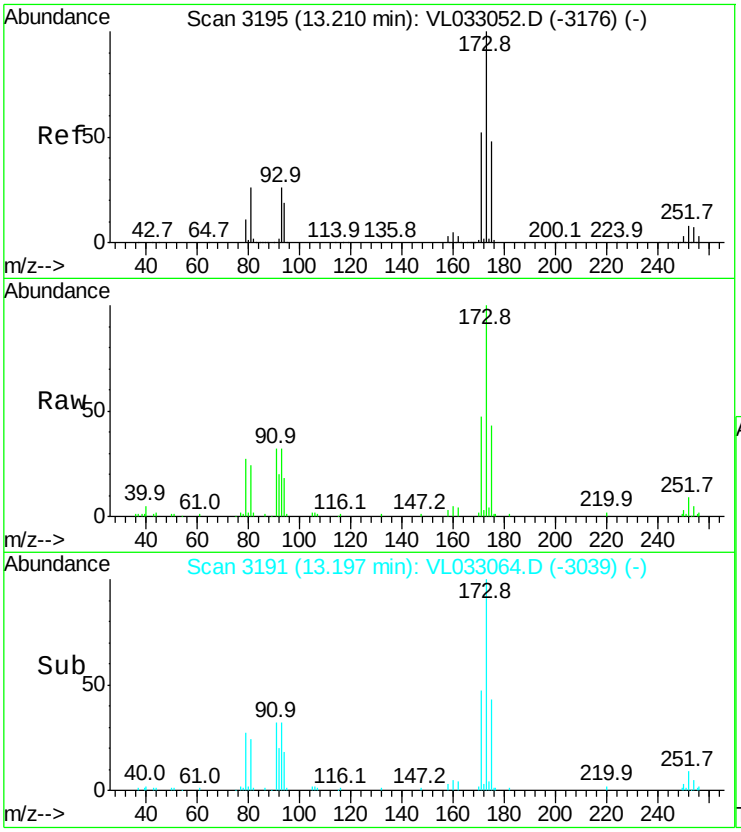


#48
Dibromochloromethane
Concen: 0.434 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:129 Resp: 92013

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.1	117.3



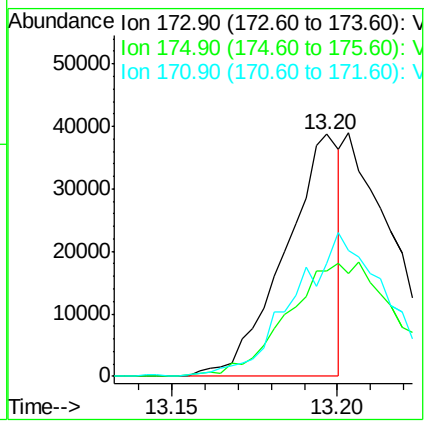


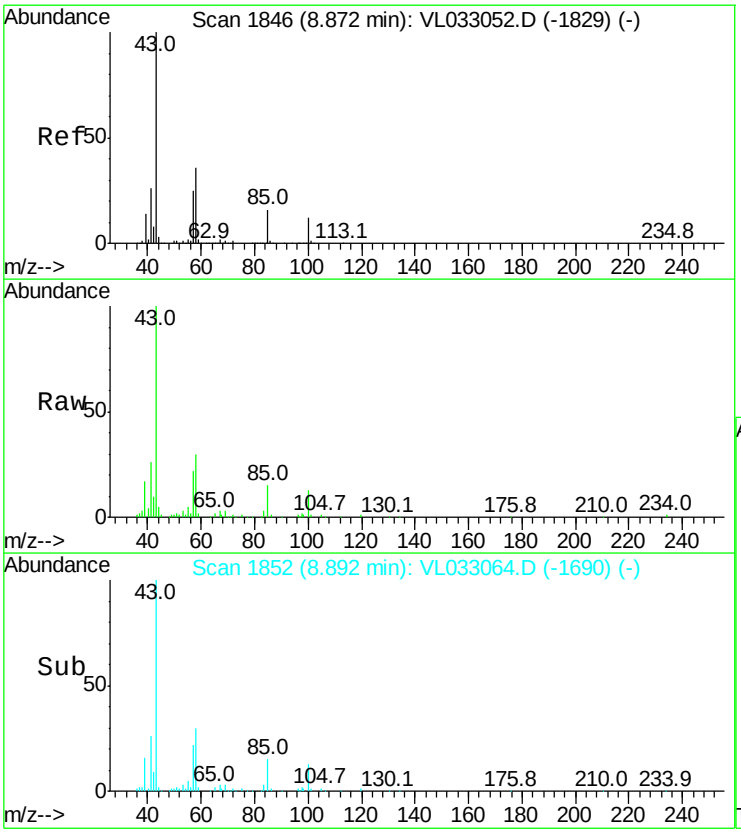
#49
Bromoform
Concen: 0.228 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:173 Resp: 44594

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.4	59.2#
171	0.0	42.1	63.1#

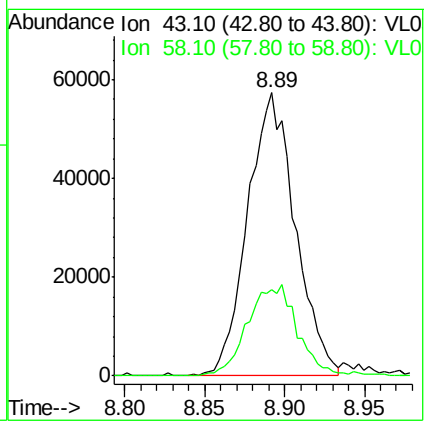


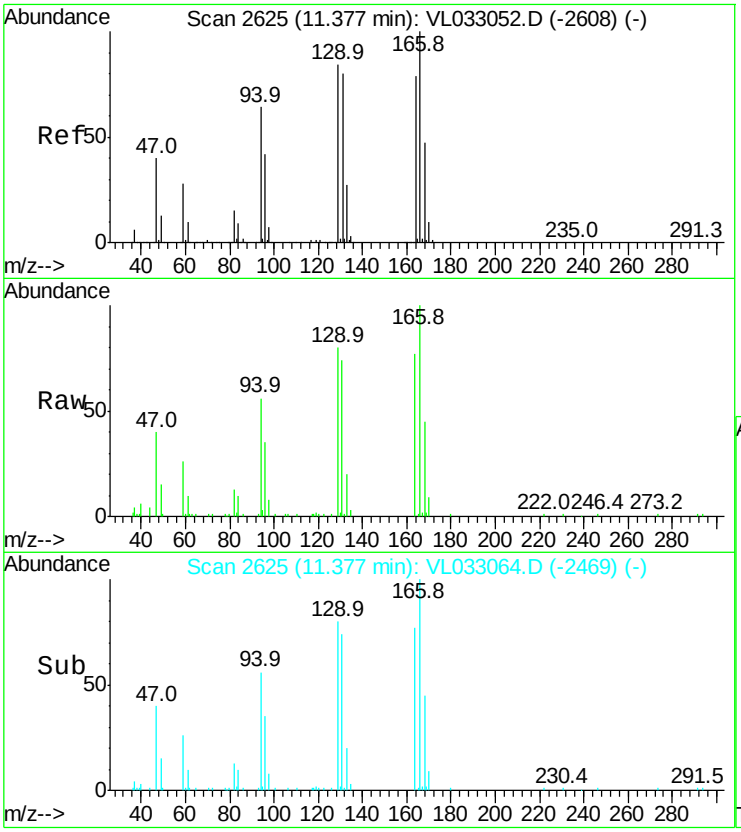


#50
4-Methyl-2-Pentanone
Concen: 0.436 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 43 Resp: 117291

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.9	43.3



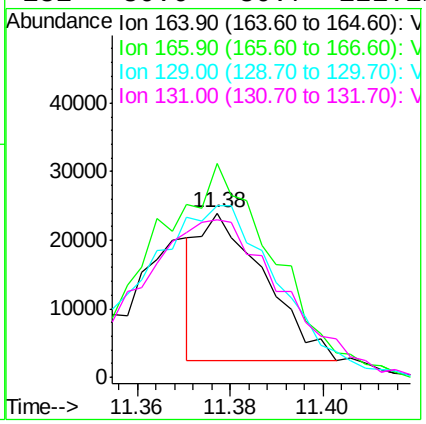


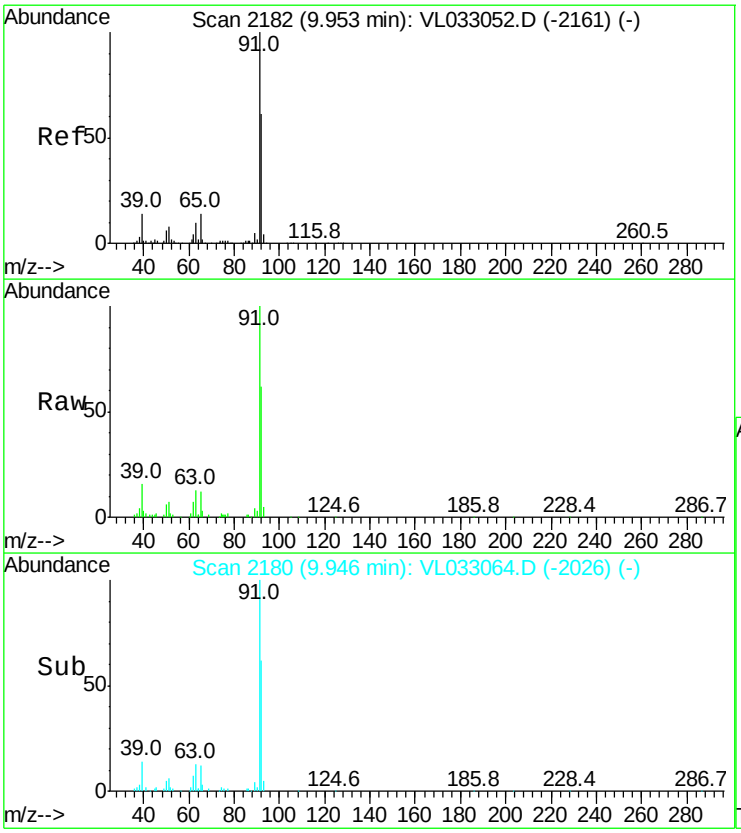
#52
Tetrachloroethene
Concen: 0.206 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:164 Resp: 21055

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.8	151.2
129	99.2	84.6	126.8
131	80.6	80.7	121.1#

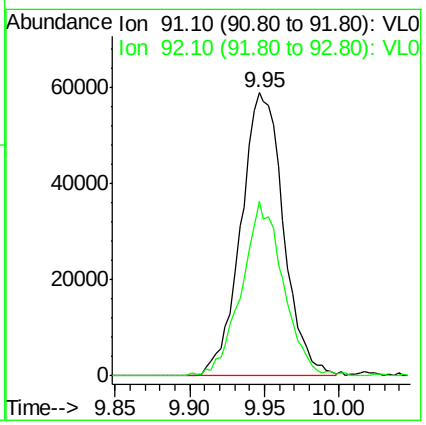


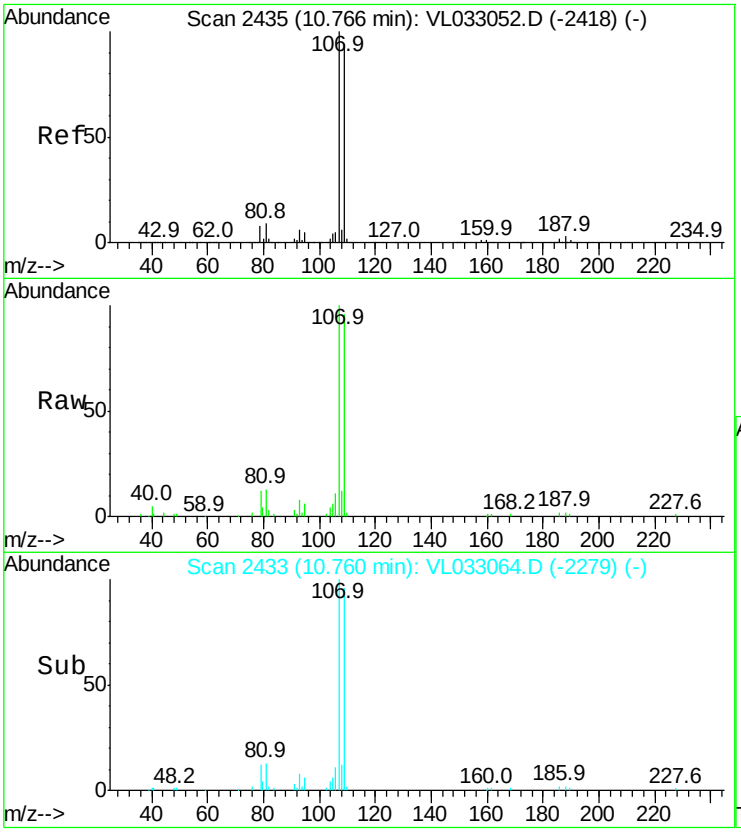


#53
Toluene
Concen: 0.402 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 91 Resp: 116689

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.7	71.5



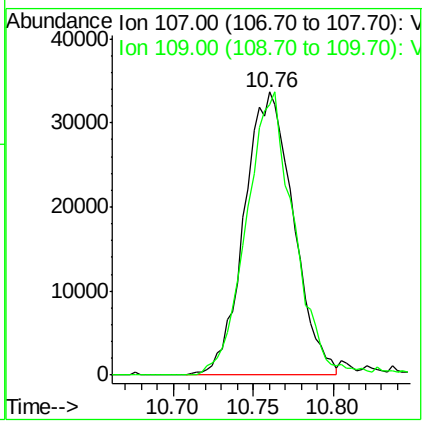


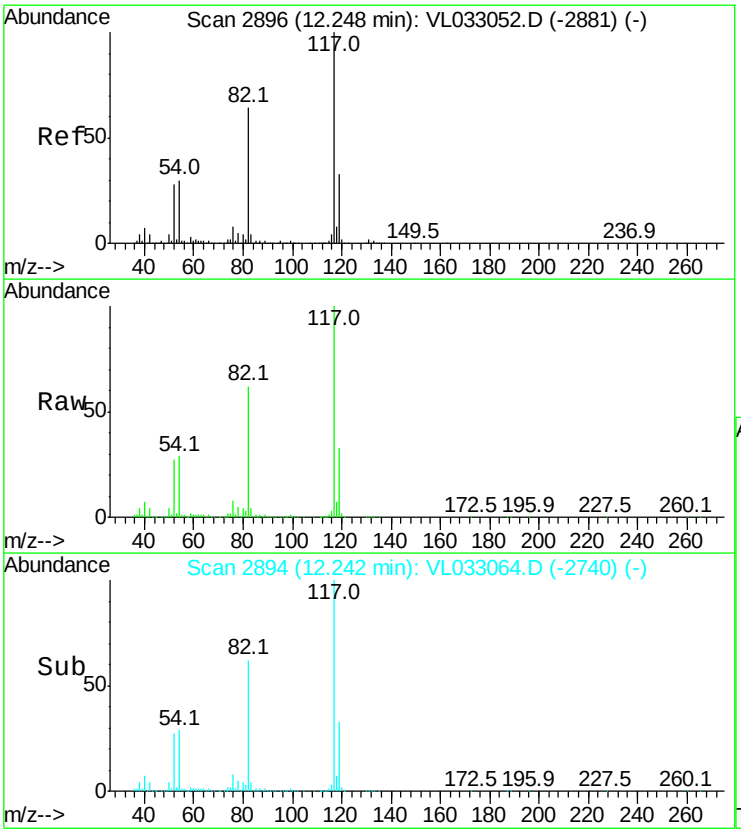
#54
1,2-Dibromoethane
Concen: 0.381 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:107 Resp: 70833

Ion	Ratio	Lower	Upper
107	100		
109	95.7	74.9	112.3

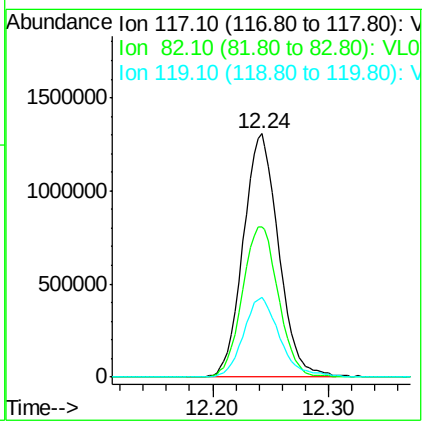


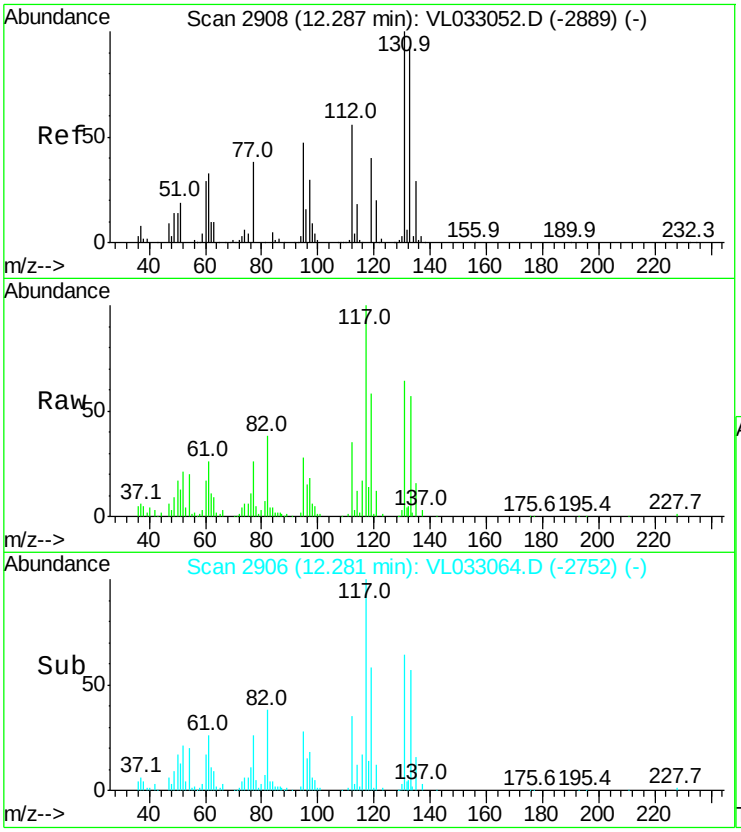


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:117 Resp: 2775062

Ion	Ratio	Lower	Upper
117	100		
82	63.4	48.9	73.3
119	33.8	24.6	37.0



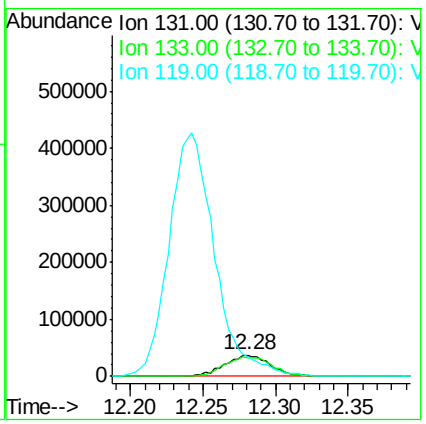


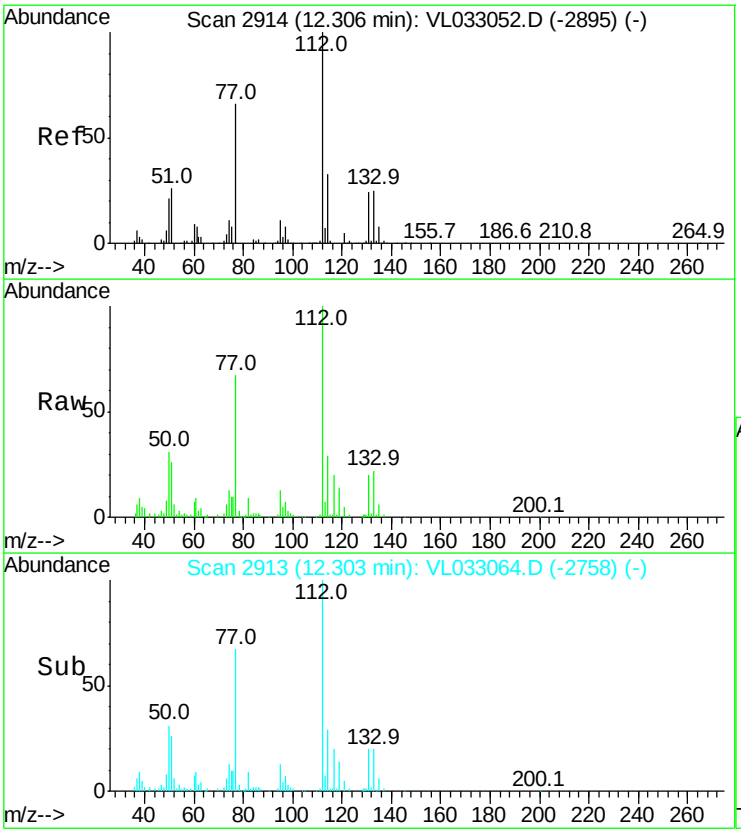
#56
1,1,1,2-Tetrachloroethane
Concen: 0.573 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:131 Resp: 80439

Ion	Ratio	Lower	Upper
131	100		
133	98.4	76.0	114.0
119	1164.4	44.2	66.2#

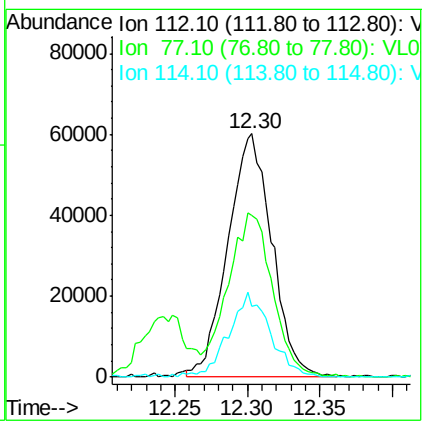


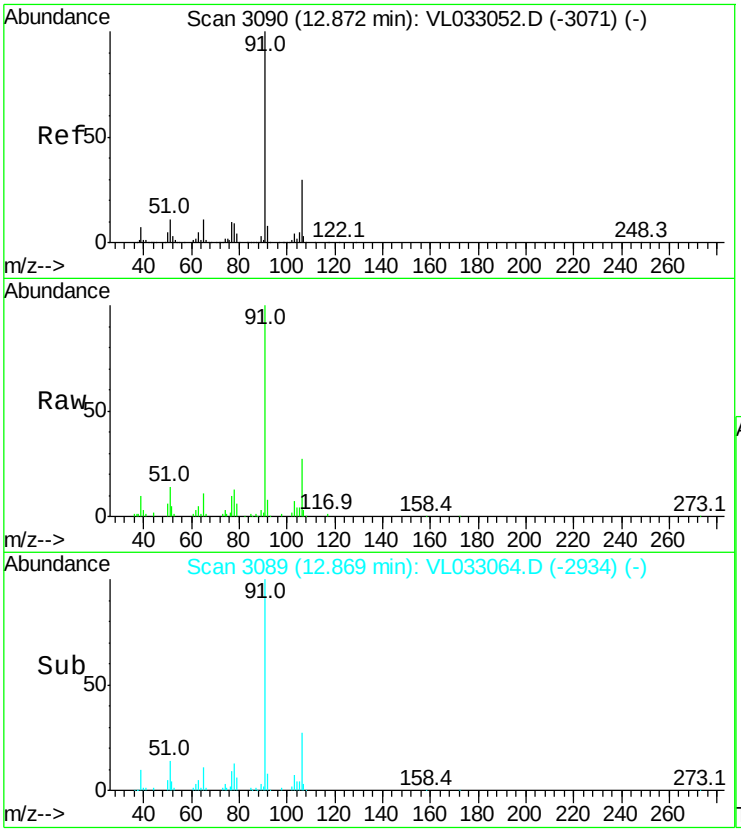


#57
Chlorobenzene
Concen: 0.558 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:112 Resp: 125655

Ion	Ratio	Lower	Upper
112	100		
77	65.3	53.4	80.0
114	28.6	30.0	36.6#



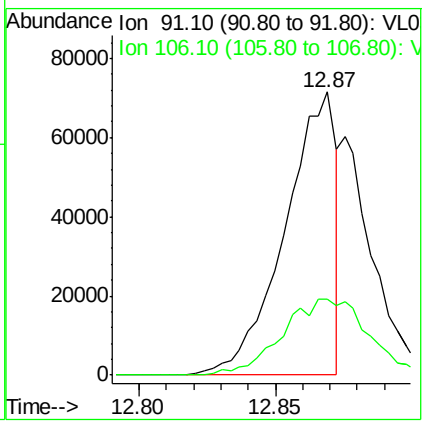


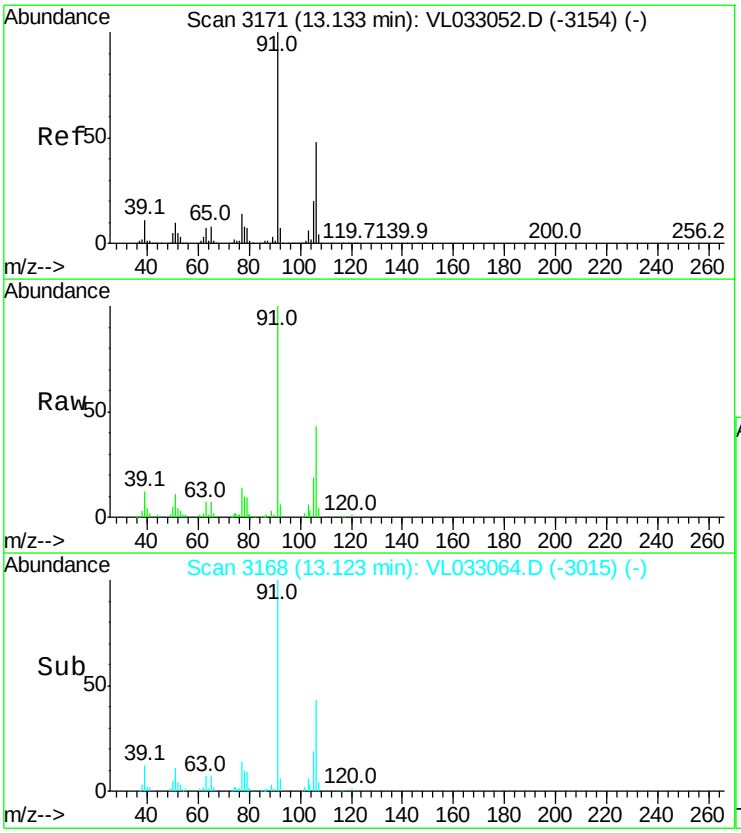
#58
Ethyl Benzene
Concen: 0.272 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 92902

Ion	Ratio	Lower	Upper
91	100		
106	27.0	24.3	36.5

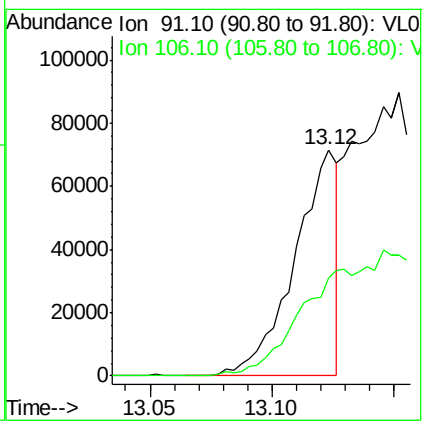


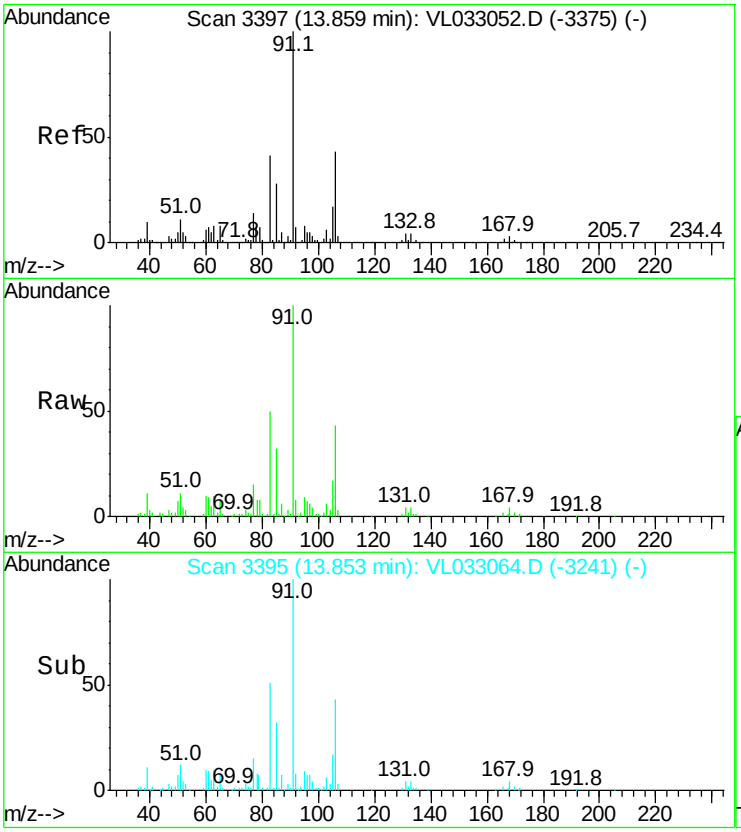


#59
m/p-Xylene
Concen: 0.274 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 91 Resp: 86909

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



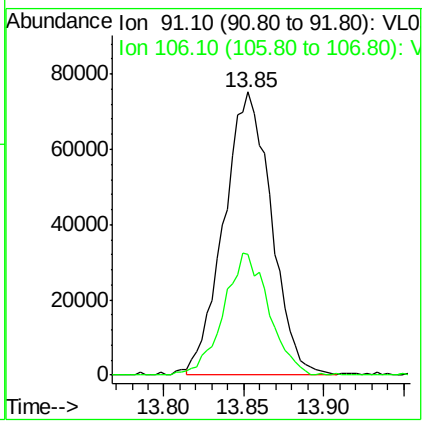


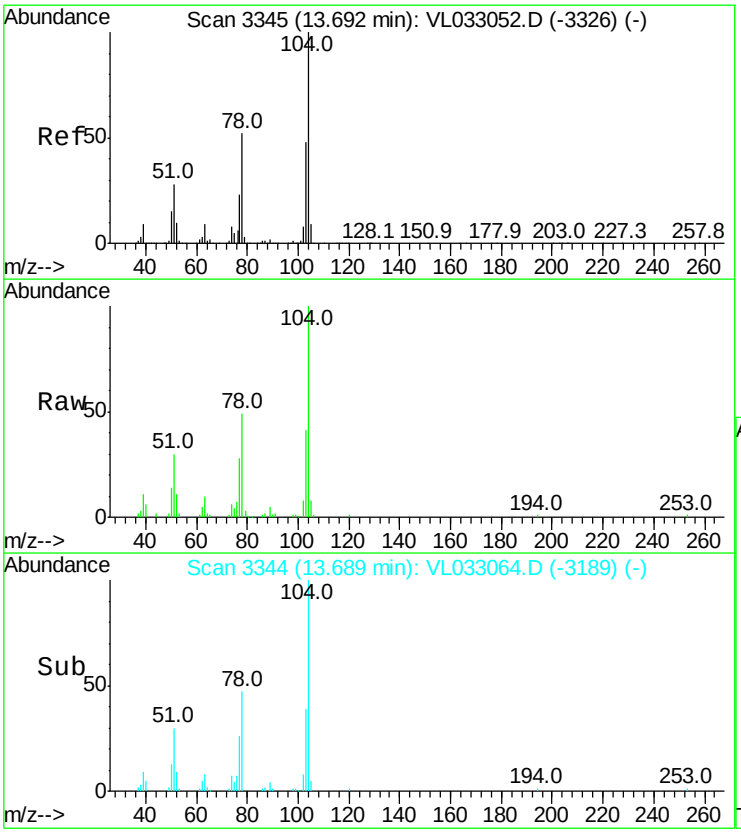
#60
o-Xylene
Concen: 0.493 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 152684

Ion	Ratio	Lower	Upper
91	100		
106	41.3	22.1	66.5

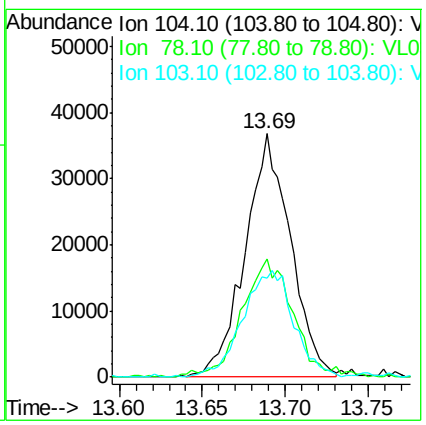


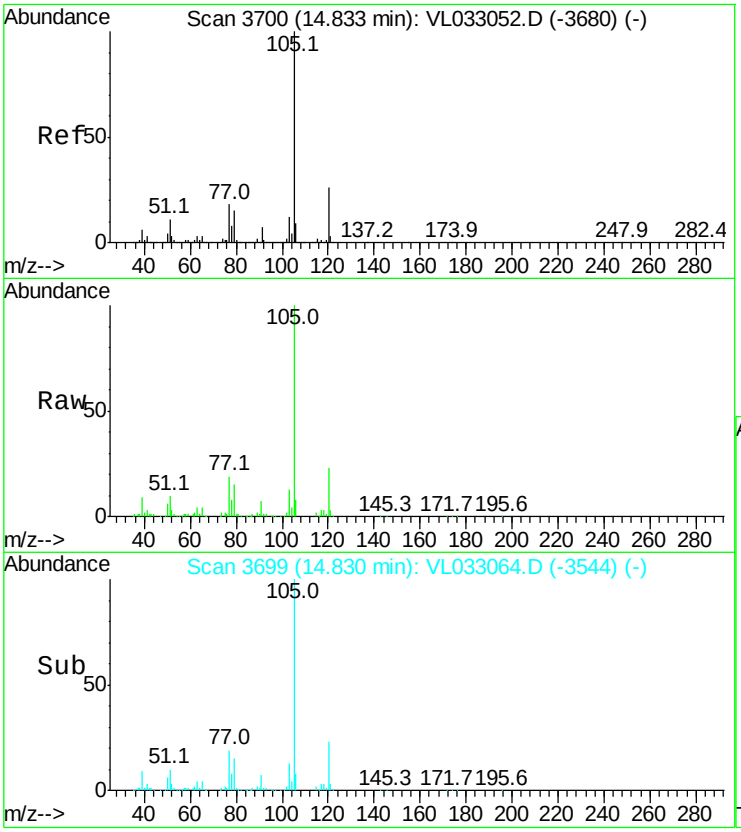


#61
Styrene
Concen: 0.351 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:104 Resp: 70077

Ion	Ratio	Lower	Upper
104	100		
78	55.3	41.6	62.4
103	49.2	38.1	57.1



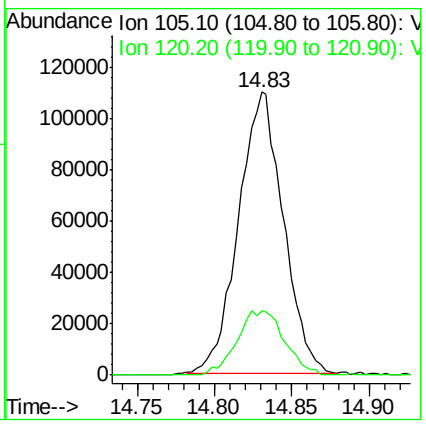


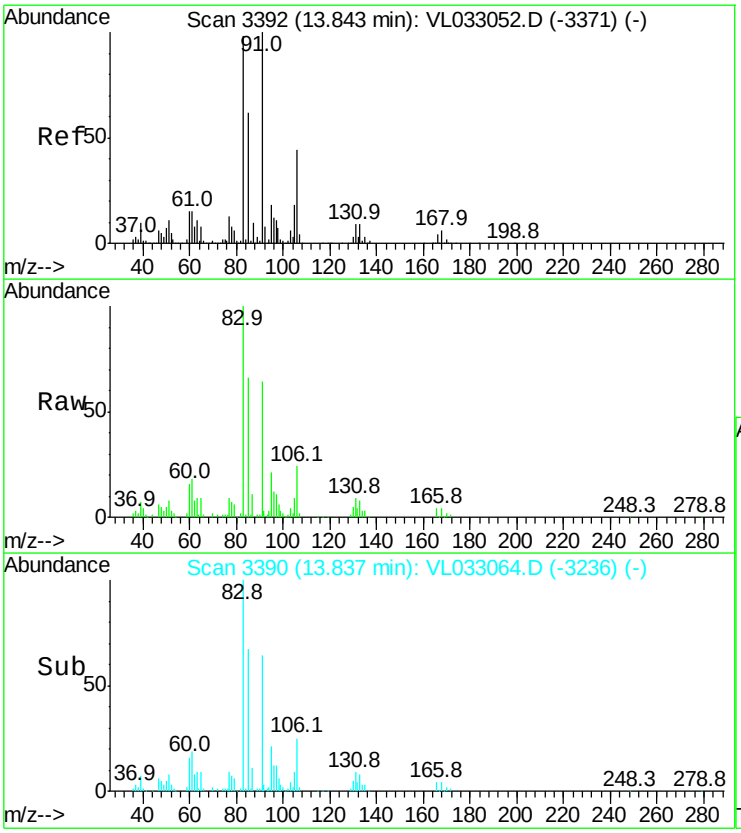
#62
Isopropylbenzene
Concen: 0.499 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 220782

Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.4	30.6

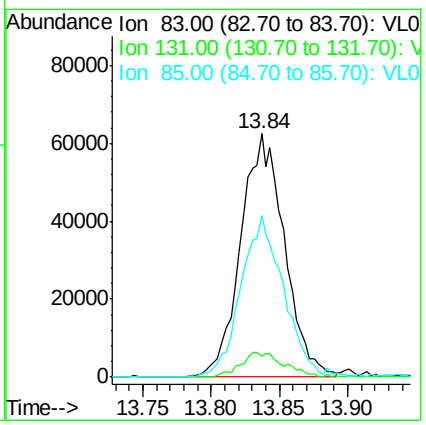


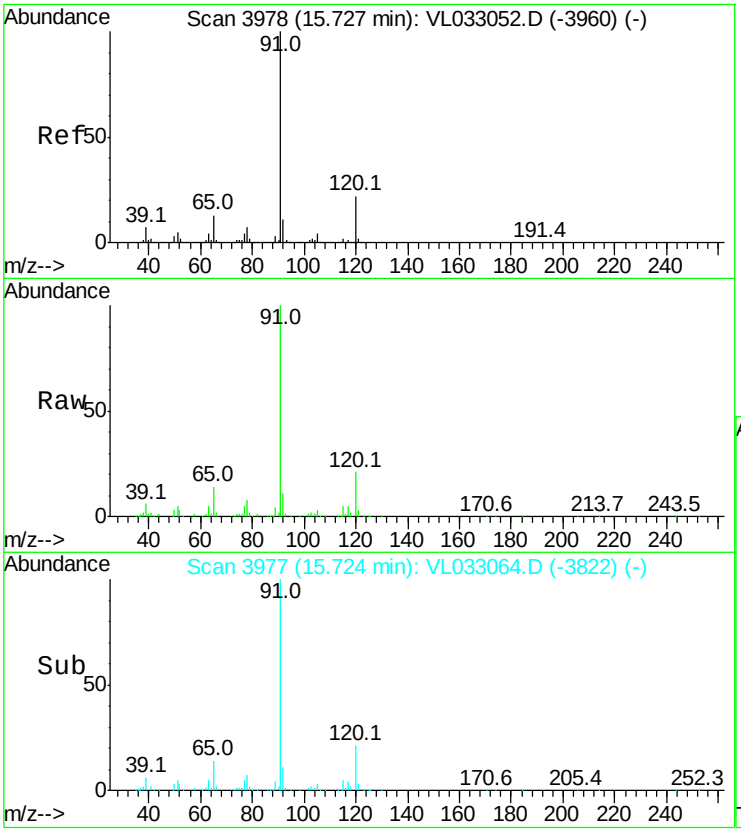


#63
1,1,2,2-Tetrachloroethane
Concen: 0.572 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 83 Resp: 138772

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	65.1	32.6	97.8



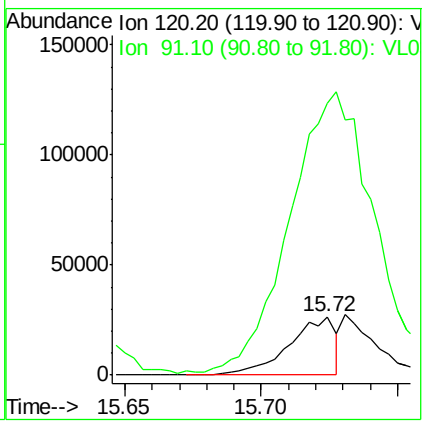


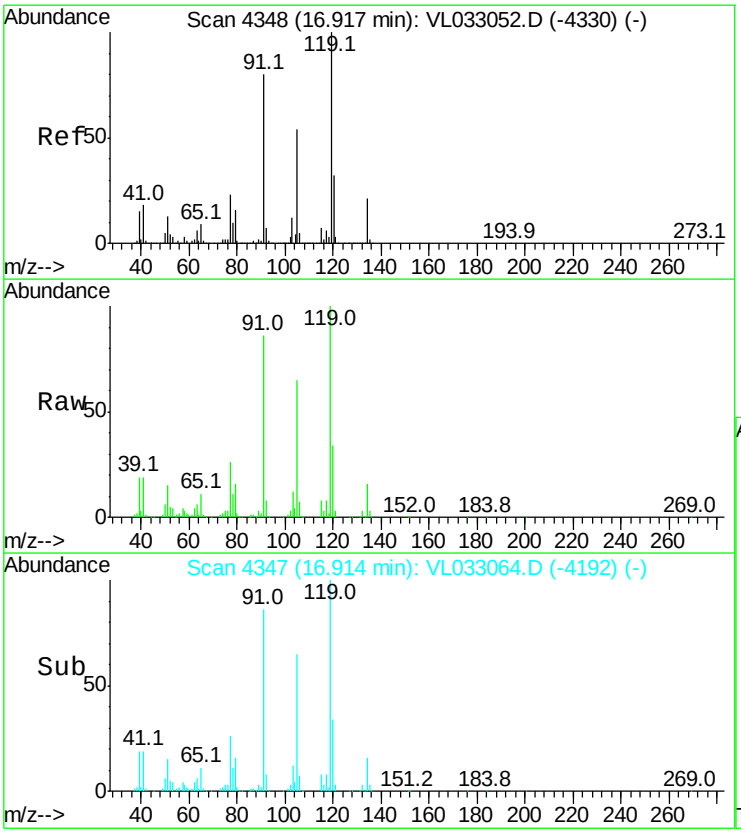
#64
n-propylbenzene
Concen: 0.284 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:120 Resp: 31028

Ion	Ratio	Lower	Upper
120	100		
91	457.0	378.7	568.1

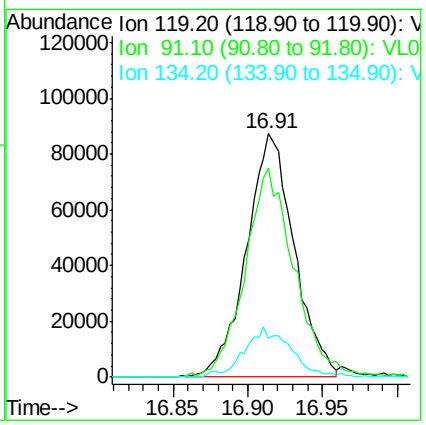


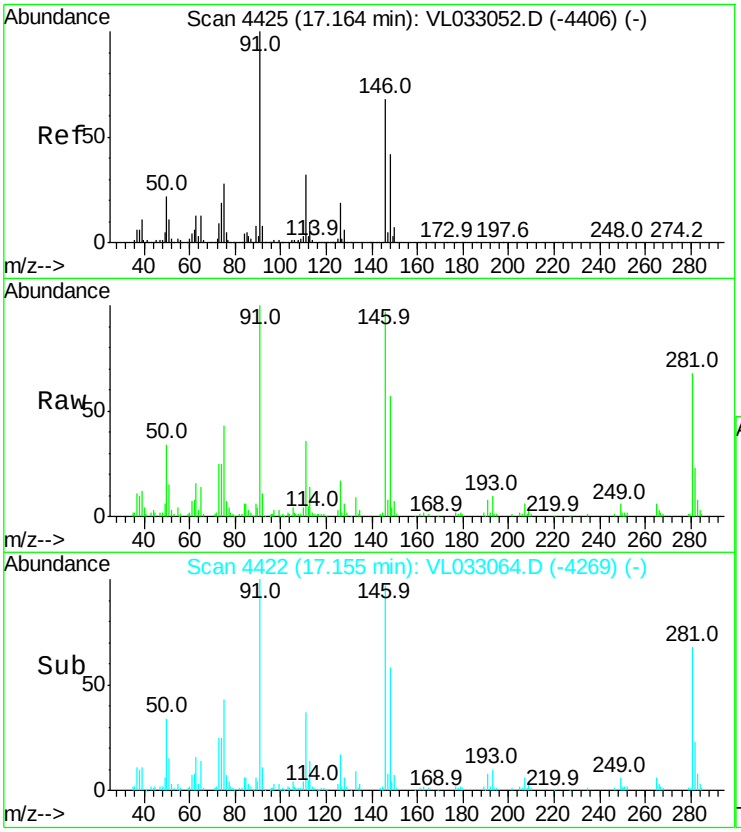


#65
tert-Butylbenzene
Concen: 0.487 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:119 Resp: 191725

Ion	Ratio	Lower	Upper
119	100		
91	90.1	64.6	97.0
134	20.3	15.8	23.8



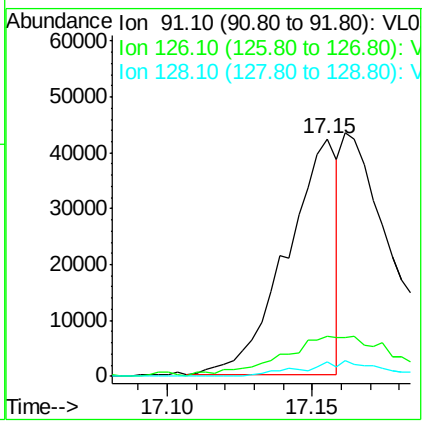


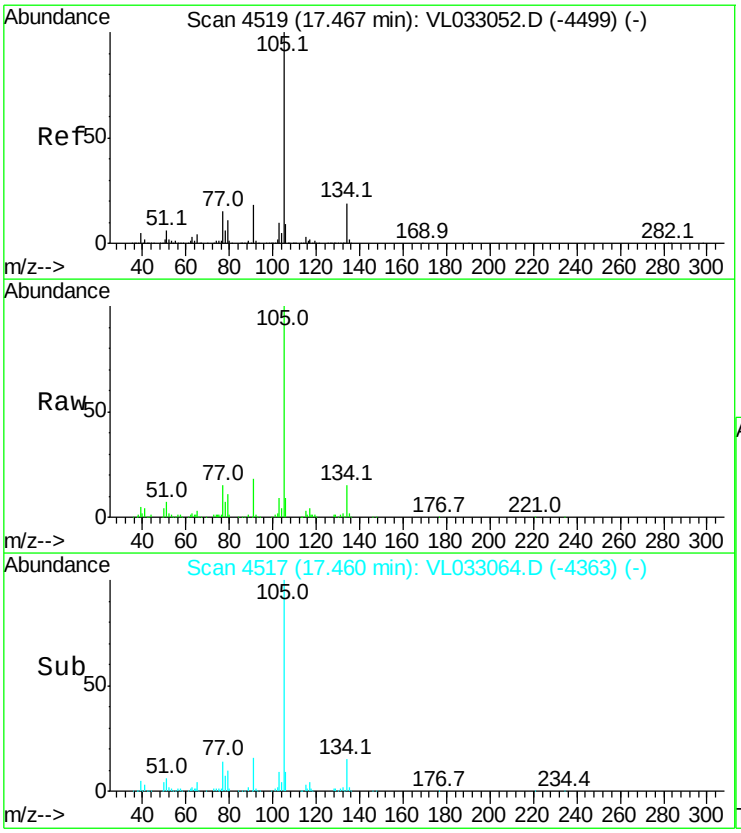
#66
Benzyl Chloride
Concen: 0.230 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 51013

Ion	Ratio	Lower	Upper
91	100		
126	39.9	14.4	21.6#
128	0.0	4.5	6.7#

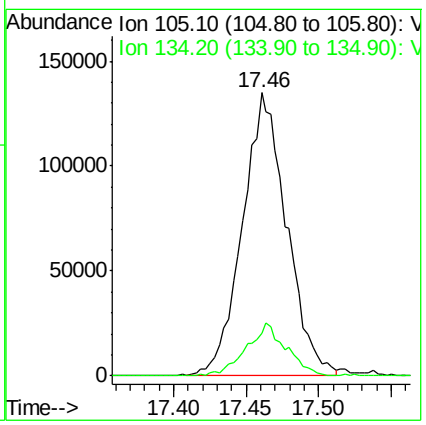


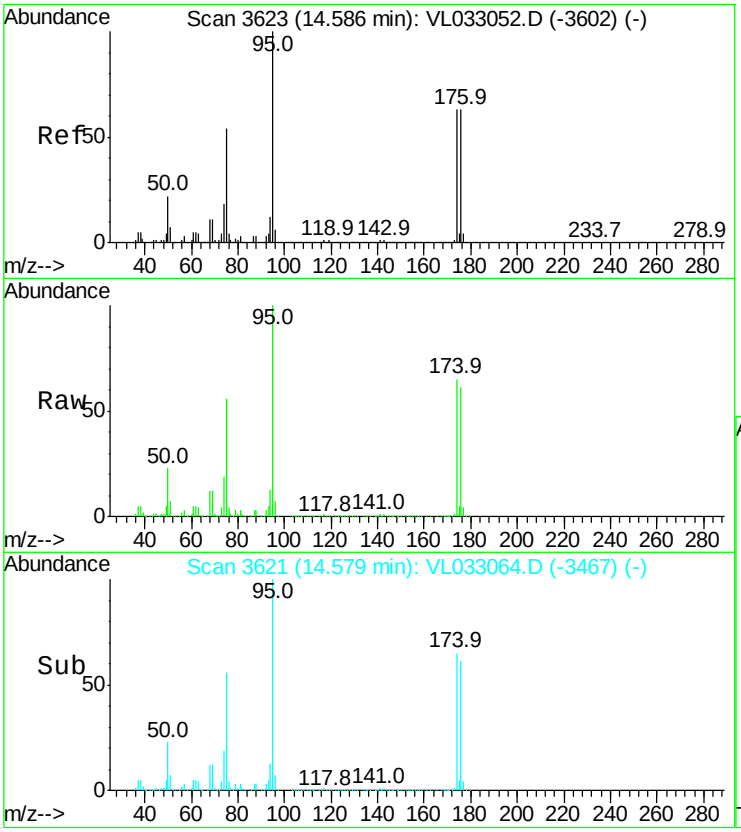


#67
sec-Butylbenzene
Concen: 0.510 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:105 Resp: 283432

Ion	Ratio	Lower	Upper
105	100		
134	17.2	14.6	21.8



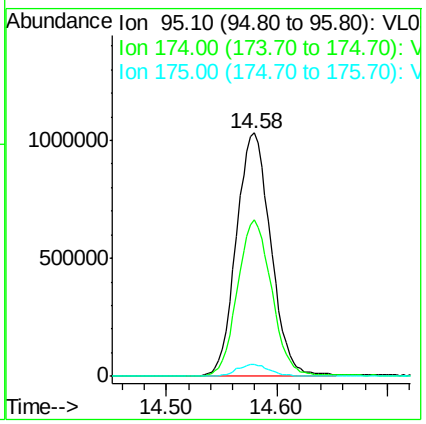


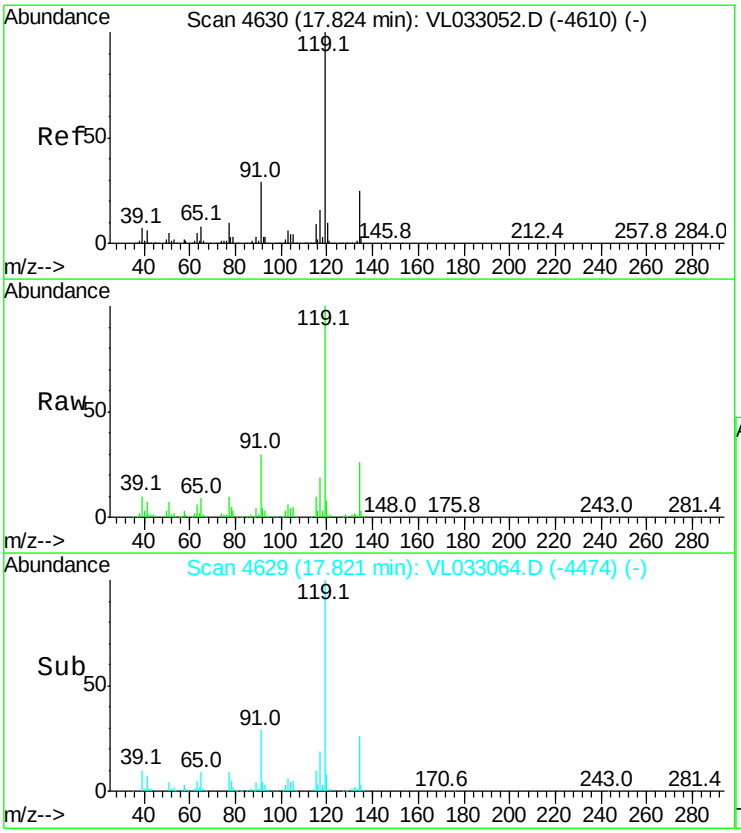
#68
1-Bromo-4-Fluorobenzene
Concen: 10.816 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 95 Resp: 2238700

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.9	77.9
175	4.7	3.9	5.9

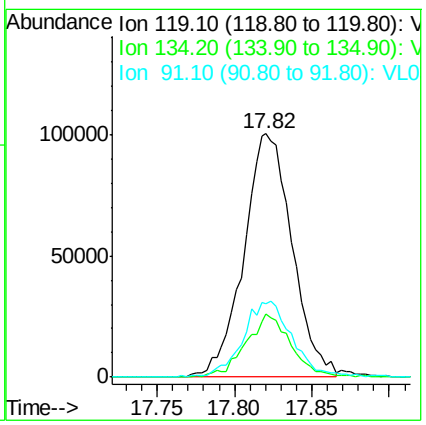


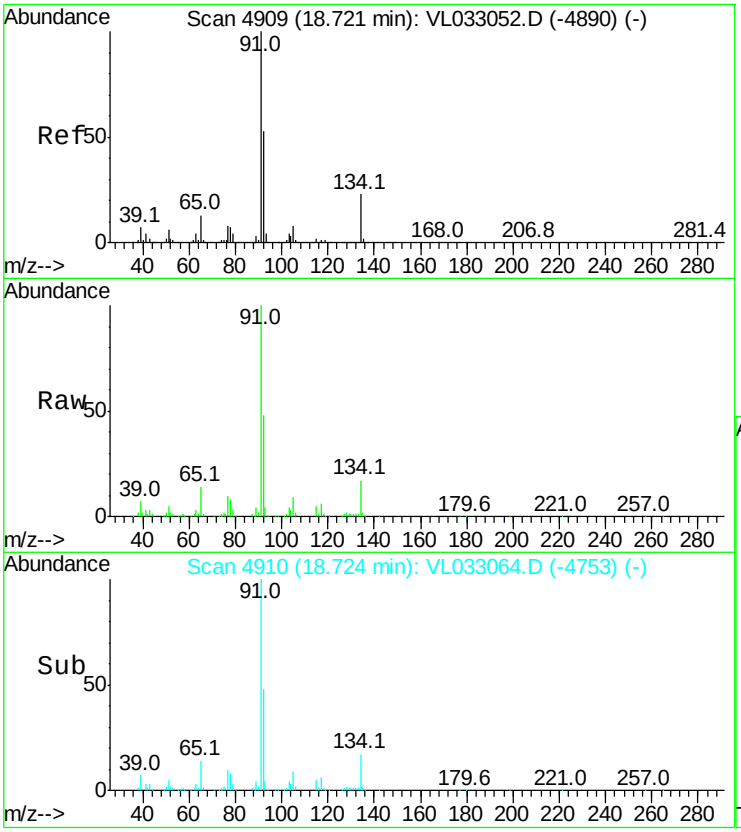


#69
p-Isopropyltoluene
Concen: 0.485 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:119 Resp: 217897

Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.1	30.1
91	31.9	23.0	34.4



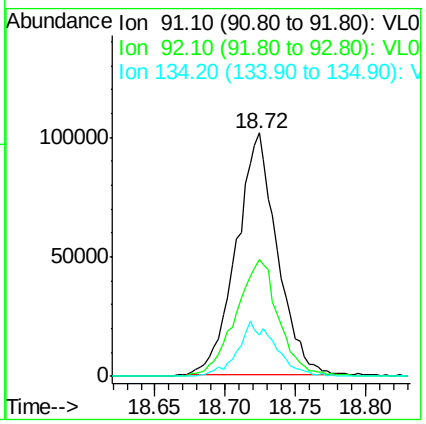


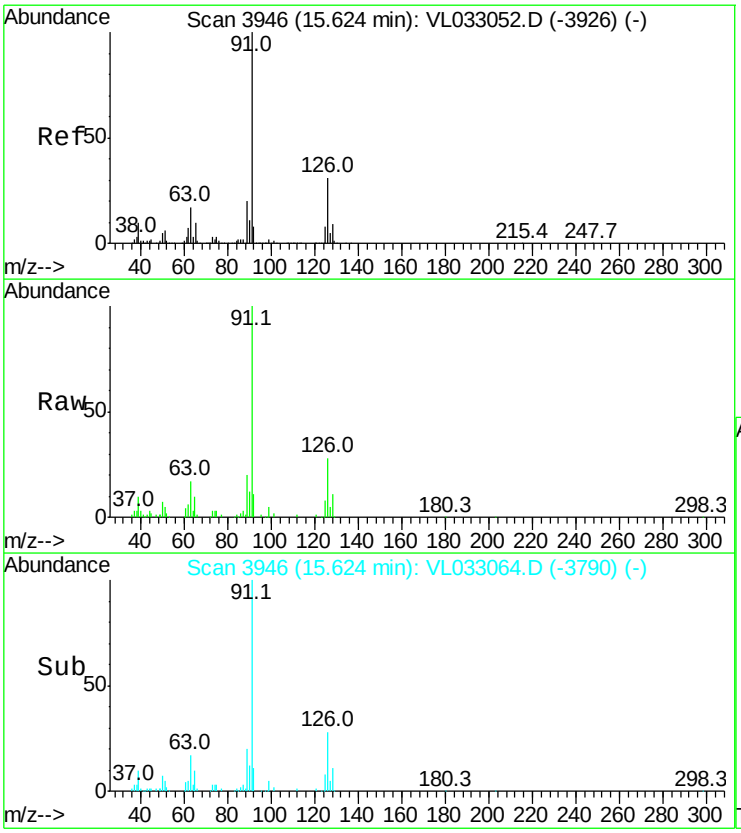
#70
n-Butylbenzene
Concen: 0.447 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 204838

Ion	Ratio	Lower	Upper
91	100		
92	51.1	42.4	63.6
134	21.2	18.0	27.0

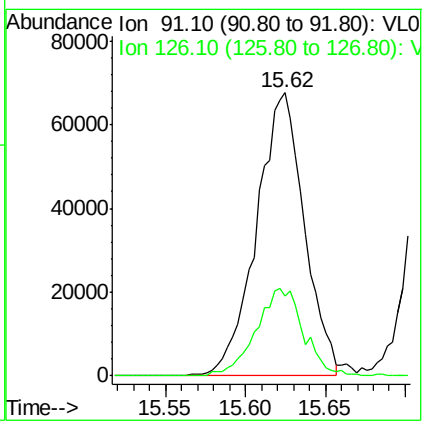


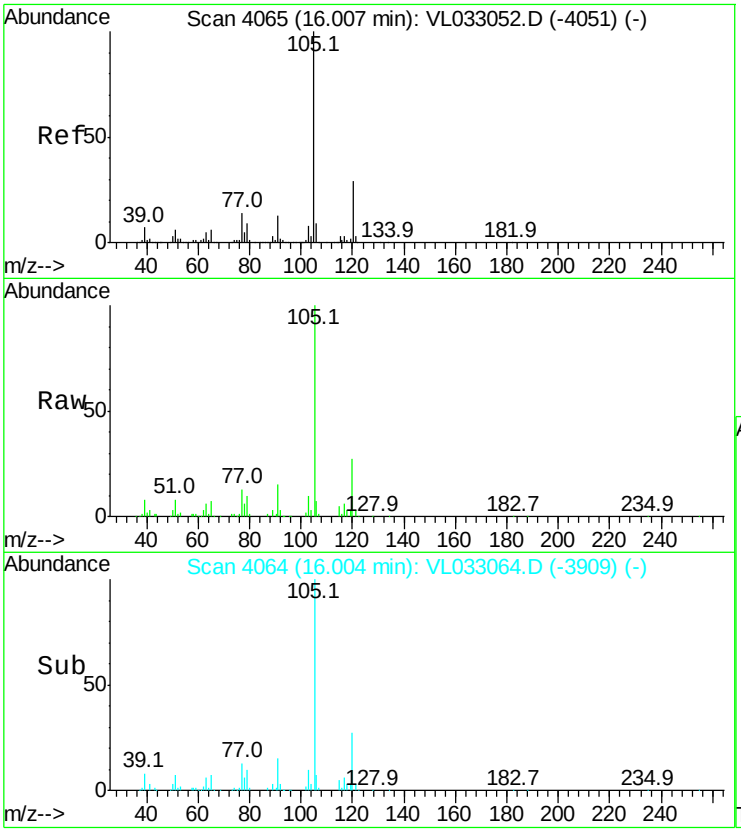


#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion: 91 Resp: 139808

Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.4	49.6



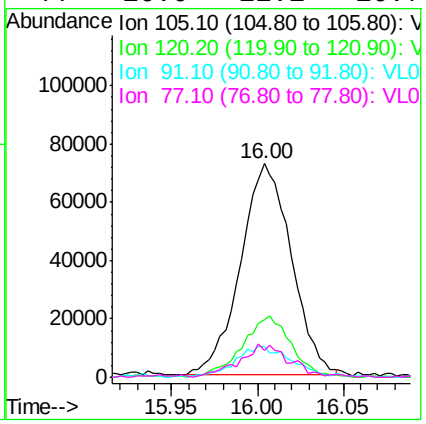


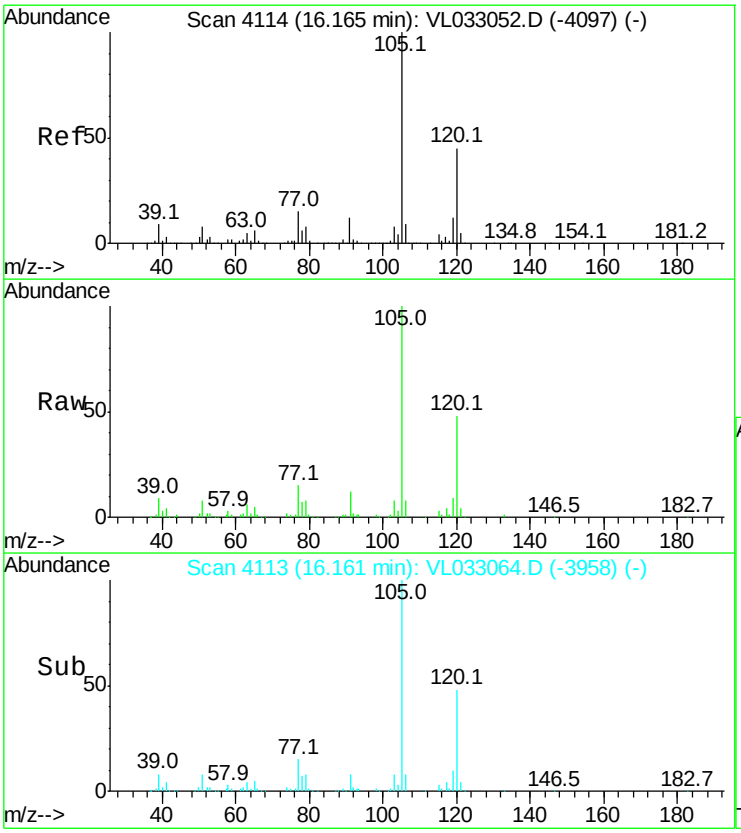
#72
4-Ethyltoluene
Concen: 0.433 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 149446

Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.0	34.6
91	16.6	10.3	15.5#
77	16.0	11.1	16.7

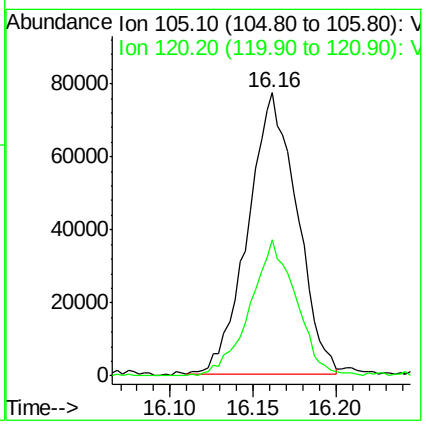


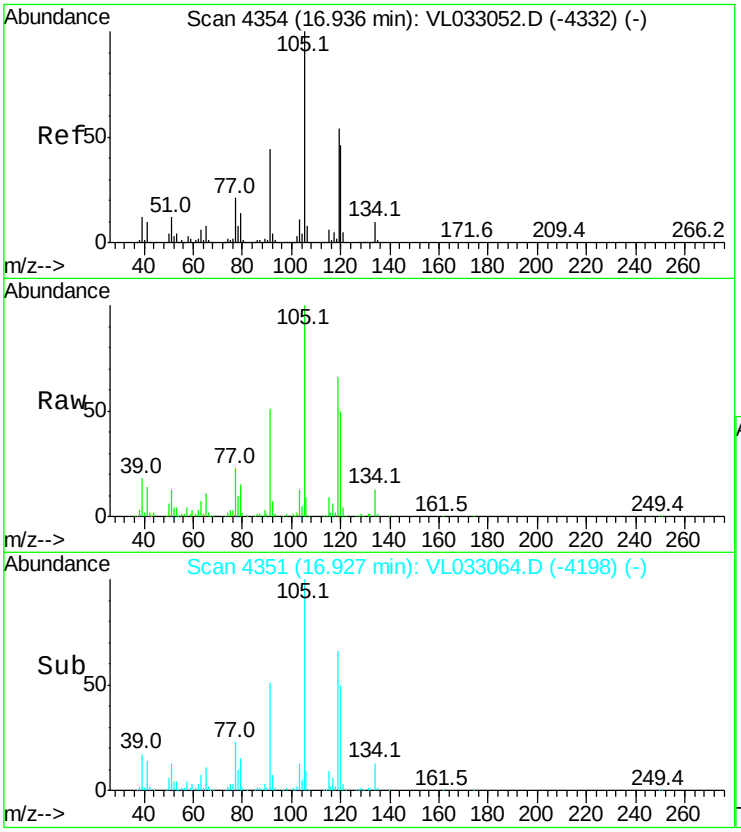


#73
1,3,5-Trimethylbenzene
Concen: 0.470 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:105 Resp: 158530

Ion	Ratio	Lower	Upper
105	100		
120	48.0	36.1	54.1



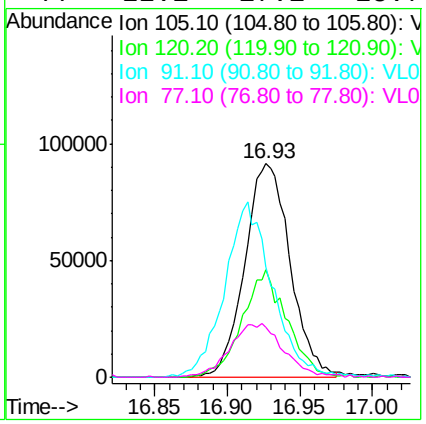


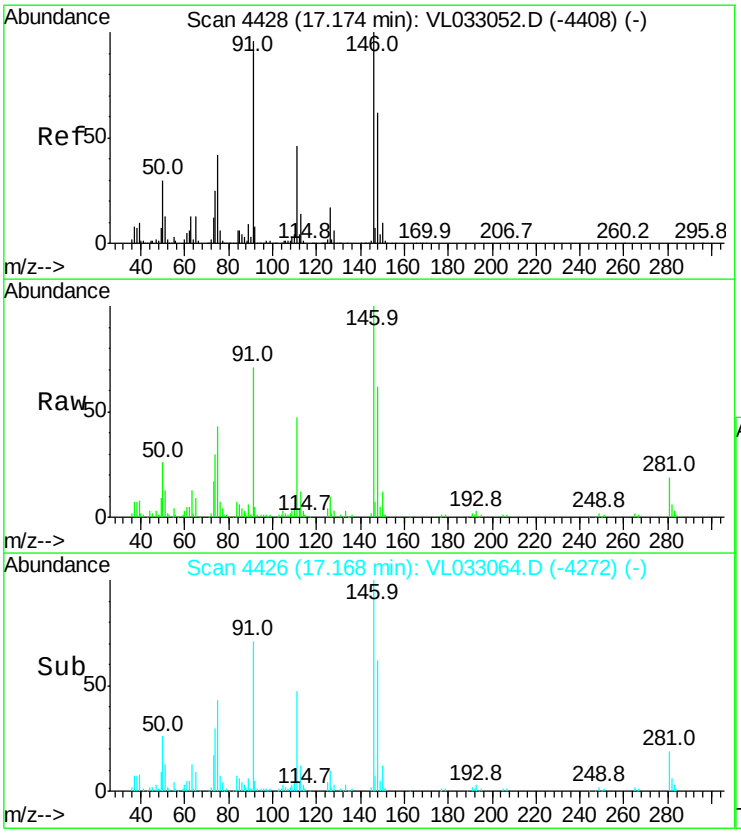
#74
1,2,4-Trimethylbenzene
Concen: 0.537 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 198968

Ion	Ratio	Lower	Upper
105	100		
120	50.2	37.0	55.4
91	49.9	35.4	53.0
77	22.1	17.1	25.7

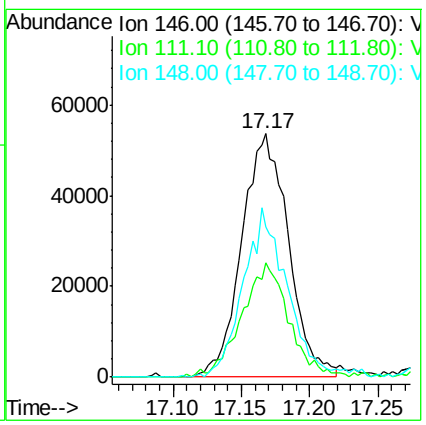


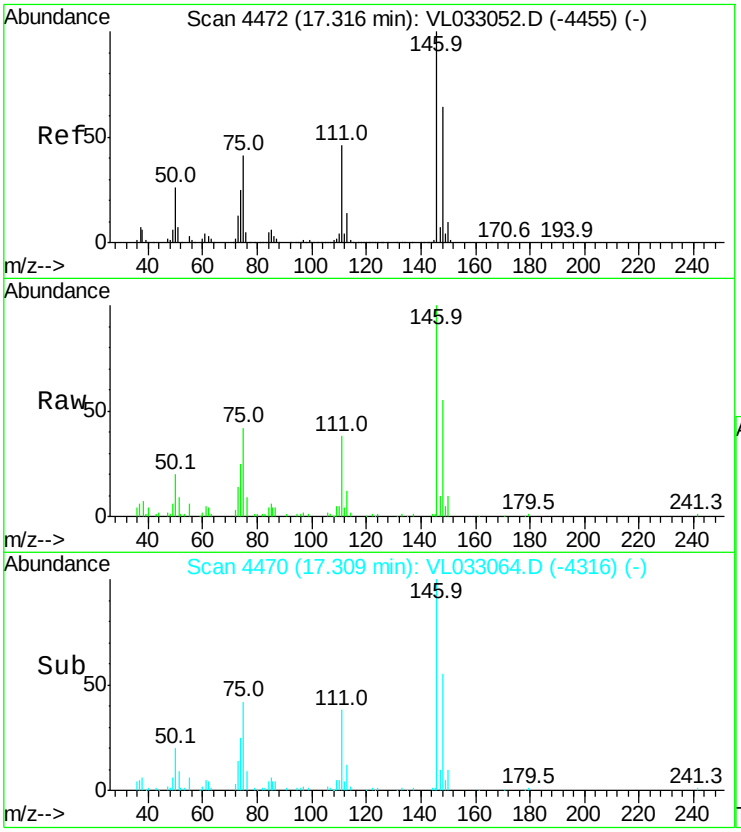


#75
1,3-Dichlorobenzene
Concen: 0.588 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:146 Resp: 127435

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.4	70.2
148	66.2	32.1	96.3



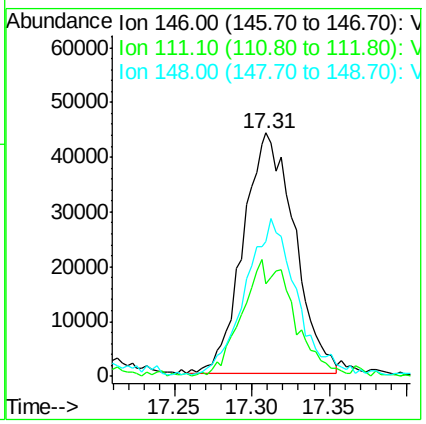


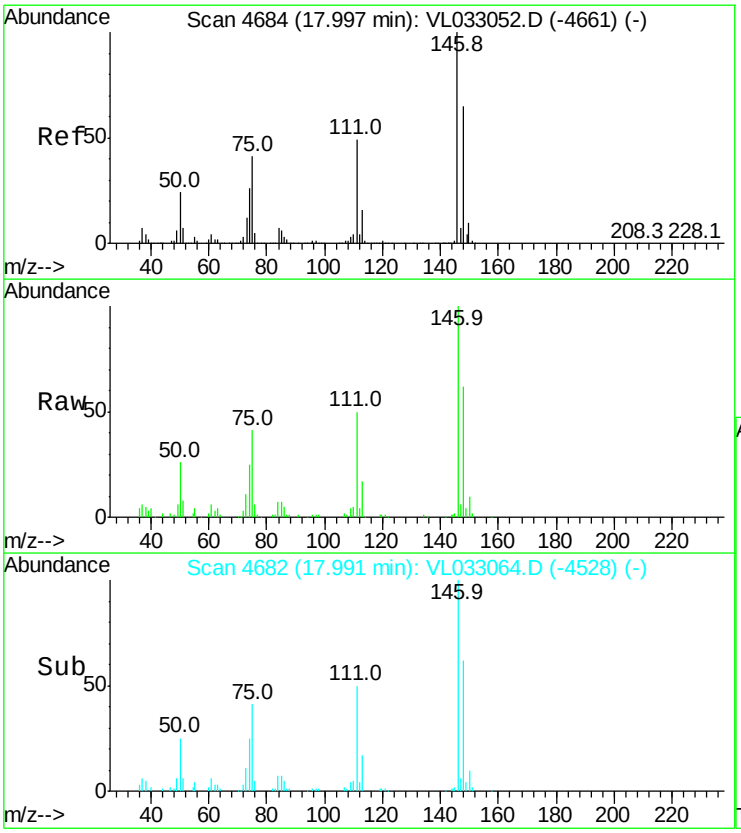
#76
1,4-Dichlorobenzene
Concen: 0.513 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 101227

Ion	Ratio	Lower	Upper
146	100		
111	50.0	22.7	68.1
148	67.3	32.4	97.2

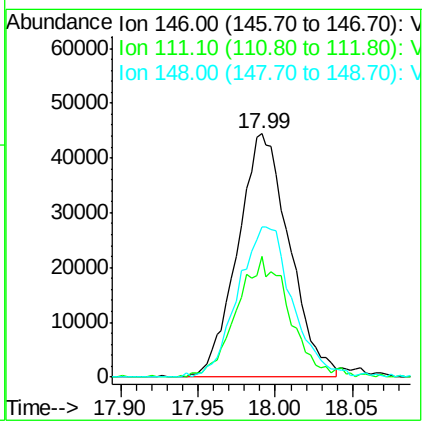


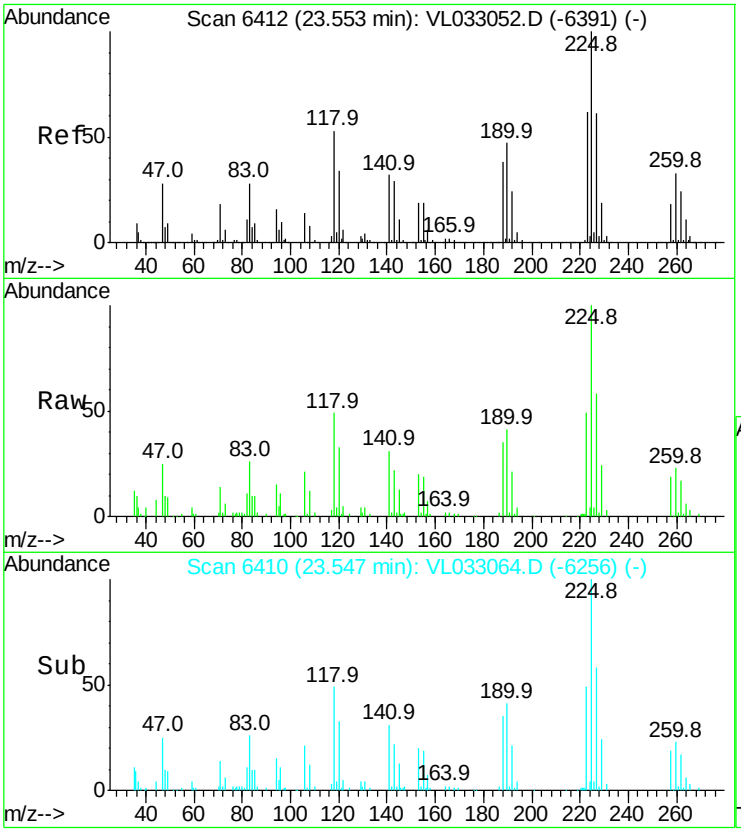


#77
1,2-Dichlorobenzene
Concen: 0.521 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:146 Resp: 103342

Ion	Ratio	Lower	Upper
146	100		
111	50.6	24.4	73.2
148	65.5	32.3	96.9



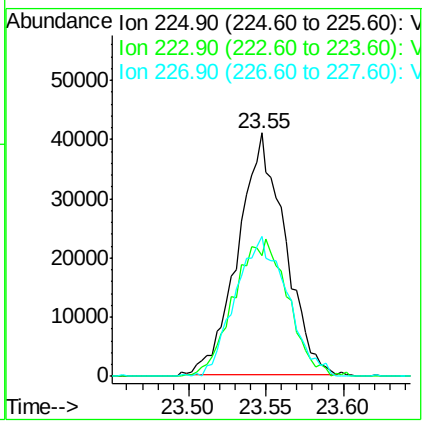


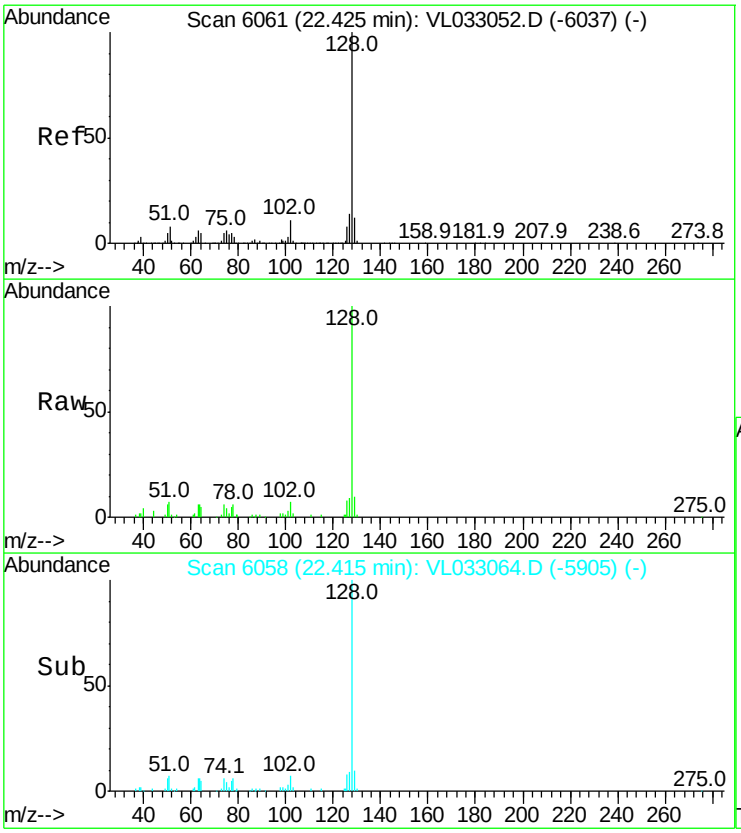
#78
Hexachloro-1,3-Butadiene
Concen: 0.616 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:225 Resp: 85921

Ion	Ratio	Lower	Upper
225	100		
223	65.6	51.0	76.6
227	64.2	51.0	76.4

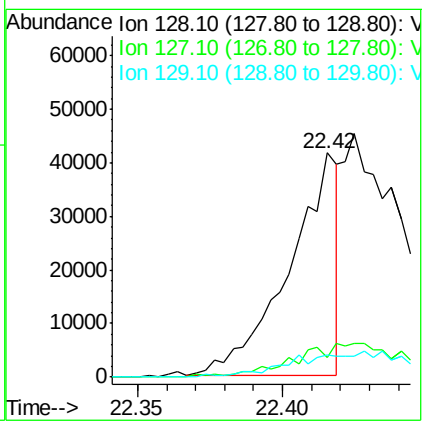


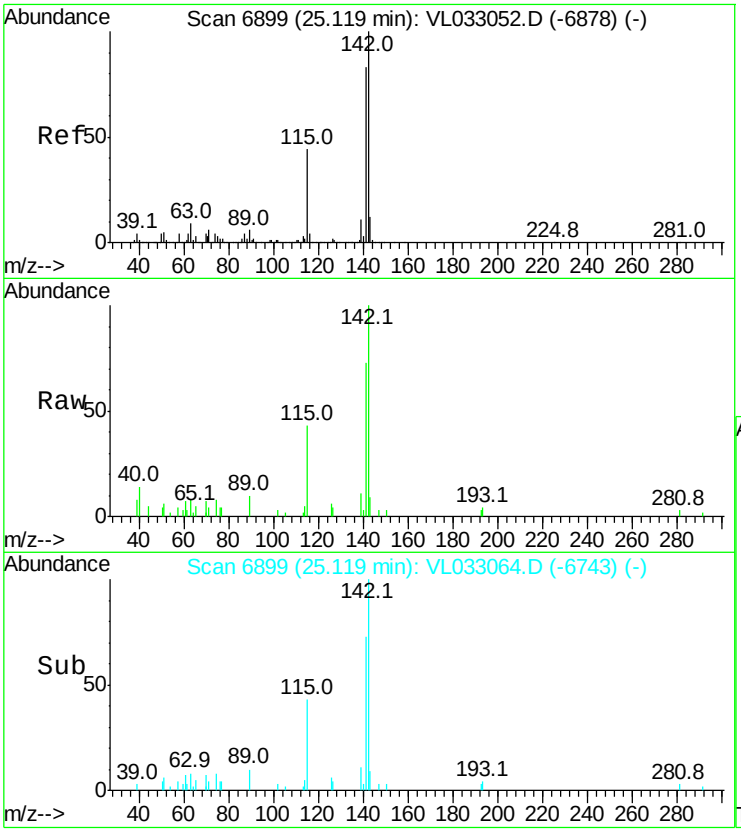


#79
Naphthalene
Concen: 0.145 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:128 Resp: 48628

Ion	Ratio	Lower	Upper
128	100		
127	8.9	11.0	16.6#
129	10.0	9.4	14.0



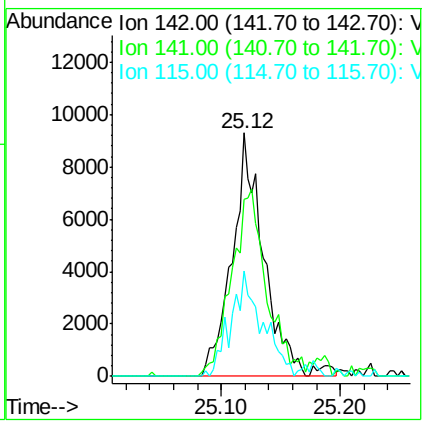


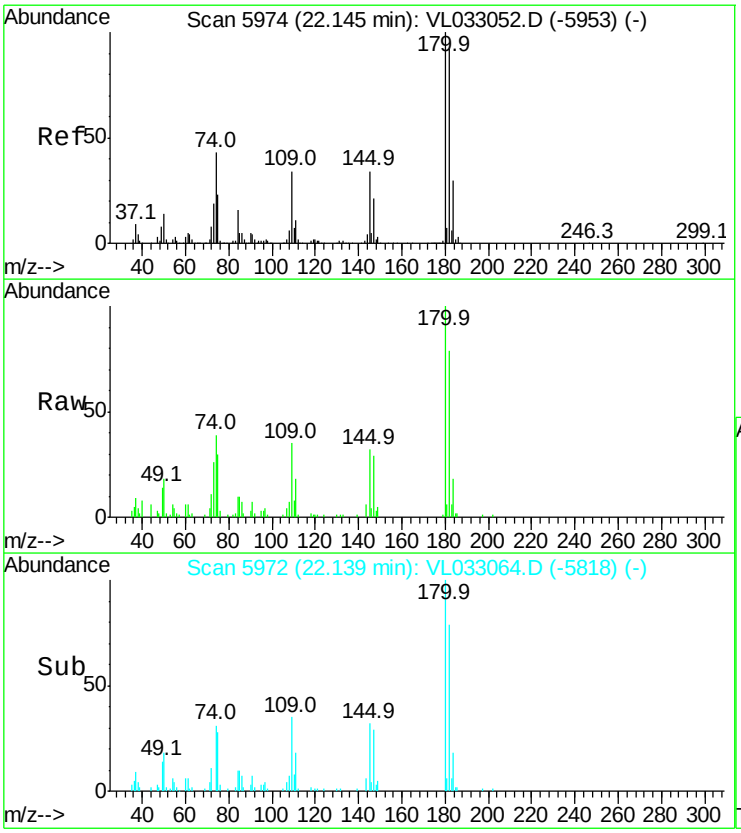
#80
Naphthalene,2-methyl-
Concen: 0.185 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:142 Resp: 17228

Ion	Ratio	Lower	Upper
142	100		
141	88.8	68.6	103.0
115	46.3	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 0.218 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033064.D
Acq: 4 Jan 2019 11:20

Tgt Ion:180 Resp: 33403

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