Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070219\
Data File : VL034001.D
Acq On : 3 Jul 2019 1:56
Operator : SY/AP
Sample : K3591-14 LOQ 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 03 04:34:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.73	49	953550	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.26	114	2675226	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.20	117	2474007	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.54	95	2064413	9.78	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	121304	0.616	ppbv		99
3) Chlorodifluoromethane	3.00	51	64292	0.546	ppbv		100
4) Chloromethane	3.16	50	33362	0.493	ppbv		93
5) Vinyl Chloride	3.27	62	36898	0.485	ppbv		98
6) Bromomethane	3.50	94	13619	0.303	ppbv		98
7) Chloroethane	3.59	64	15603	0.573	ppbv	#	82
8) Dichlorotetrafluoroethane	3.21	85	104727	0.546	ppbv		97
9) Propene	3.02	41	19523	0.451	ppbv		91
10) Heptane	8.21	43	30082	0.277	ppbv	#	56
11) Trichlorofluoromethane	3.98	101	117726	0.532	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.53	101	85448	0.546	ppbv		97
13) Ethanol	3.64	45	6119	0.455	ppbv	#	53
14) Bromoethene	3.77	108	29549	0.505	ppbv		100
15) Acetone	3.89	43	85121	0.531	ppbv		98
16) 1,3-Butadiene	3.35	39	24640	0.435	ppbv		90
18) 1,1-Dichloroethene	4.33	96	22045	0.316	ppbv	#	92
19) Isopropyl Alcohol	4.02	45	53309	0.495	ppbv	#	92
20) Methylene Chloride	4.39	84	37168	0.532	ppbv		88
21) Allyl Chloride	4.46	41	48061	0.481	ppbv		96
22) trans-1,2-Dichloroethene	4.94	96	36310	0.546	ppbv		94
23) Vinyl Acetate	5.13	43	63101	0.394	ppbv	#	95
24) 1,1-Dichloroethane	5.06	63	70064	0.494	ppbv	#	94
25) Ethyl Acetate	5.75	43	102978	0.470	ppbv		97
26) Hexane	5.75	57	33189	0.331	ppbv	#	32
27) Carbon Disulfide	4.60	76	80996	0.475	ppbv	#	82
28) Methyl tert-Butyl Ether	5.10	73	71092	0.418	ppbv		94
29) Chloroform	5.82	83	102632	0.544	ppbv		91
30) Cyclohexane	7.22	84	19538	0.252	ppbv	#	56
31) cis-1,2-Dichloroethene	5.62	61	41357	0.427	ppbv	#	82
32) 1,1,1-Trichloroethane	6.59	97	100643	0.527	ppbv		98
34) 2-Butanone	5.31	43	36171	0.255	ppbv	#	72
35) Carbon Tetrachloride	7.10	117	105570	0.498	ppbv		90
36) Benzene	6.97	78	86491	0.413	ppbv	#	82
37) 1,2-Dichloroethane	6.38	62	51051	0.331	ppbv	#	86
38) Trichloroethene	7.93	130	20226	0.217	ppbv	#	89
39) 1,2-Dichloropropane	7.71	63	34843	0.448	ppbv	#	87
41) Tetrahydrofuran	6.15	42	12880	0.185	ppbv	#	39
42) Bromodichloromethane	7.88	83	96799	0.468	ppbv		86
43) Methyl Methacrylate	8.10	69	6845	0.086	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.95	57	56702	0.157	ppbv	#	43
45) t-1,3-Dichloropropene	9.38	75	16051	0.155	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070219\
Data File : VL034001.D
Acq On : 3 Jul 2019 1:56
Operator : SY/AP
Sample : K3591-14 LOQ 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 03 04:34:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.80	75	39101	0.325 ppbv	#	66
47) 1,1,2-Trichloroethane	9.58	97	41737	0.426 ppbv		93
48) Dibromochloromethane	10.41	129	77396	0.414 ppbv		97
49) Bromoform	13.16	173	71946	0.451 ppbv		99
50) 4-Methyl-2-Pentanone	8.85	43	23983	0.114 ppbv	#	37
52) Tetrachloroethene	11.33	164	13892	0.154 ppbv	#	86
53) Toluene	9.91	91	75245	0.314 ppbv		97
54) 1,2-Dibromoethane	10.72	107	60825	0.421 ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.25	131	24431	0.221 ppbv	#	10
57) Chlorobenzene	12.26	112	53234	0.270 ppbv	#	97
58) Ethyl Benzene	12.83	91	106375	0.358 ppbv		93
59) m/p-Xylene	13.12	91	75606	0.281 ppbv	#	1
60) o-Xylene	13.81	91	114333	0.424 ppbv		96
61) Styrene	13.65	104	39227	0.220 ppbv	#	68
62) Isopropylbenzene	14.79	105	163533	0.395 ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.81	83	43494	0.209 ppbv	#	1
64) n-propylbenzene	15.69	120	29993	0.279 ppbv	#	25
65) tert-Butylbenzene	16.88	119	123038	0.349 ppbv	#	73
66) Benzyl Chloride	17.12	91	39227	0.218 ppbv	#	65
67) sec-Butylbenzene	17.42	105	217606	0.440 ppbv		98
69) p-Isopropyltoluene	17.78	119	161333	0.396 ppbv		99
70) n-Butylbenzene	18.68	91	171203	0.400 ppbv		99
71) 2-Chlorotoluene	15.69	91	198700	0.655 ppbv		72
72) 4-Ethyltoluene	15.96	105	66715	0.193 ppbv	#	62
73) 1,3,5-Trimethylbenzene	16.12	105	83343	0.259 ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.88	105	104262	0.292 ppbv	#	89
75) 1,3-Dichlorobenzene	17.13	146	63598	0.281 ppbv	#	33
76) 1,4-Dichlorobenzene	17.27	146	94061	0.441 ppbv		92
77) 1,2-Dichlorobenzene	17.95	146	25970	0.124 ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.51	225	59474	0.333 ppbv	#	41
79) Naphthalene	22.35	128	17474	0.058 ppbv		98
80) Naphthalene,2-methyl-	25.09	142	35839	0.328 ppbv		96
81) 1,2,4-Trichlorobenzene	22.09	180	42312	0.220 ppbv	#	12

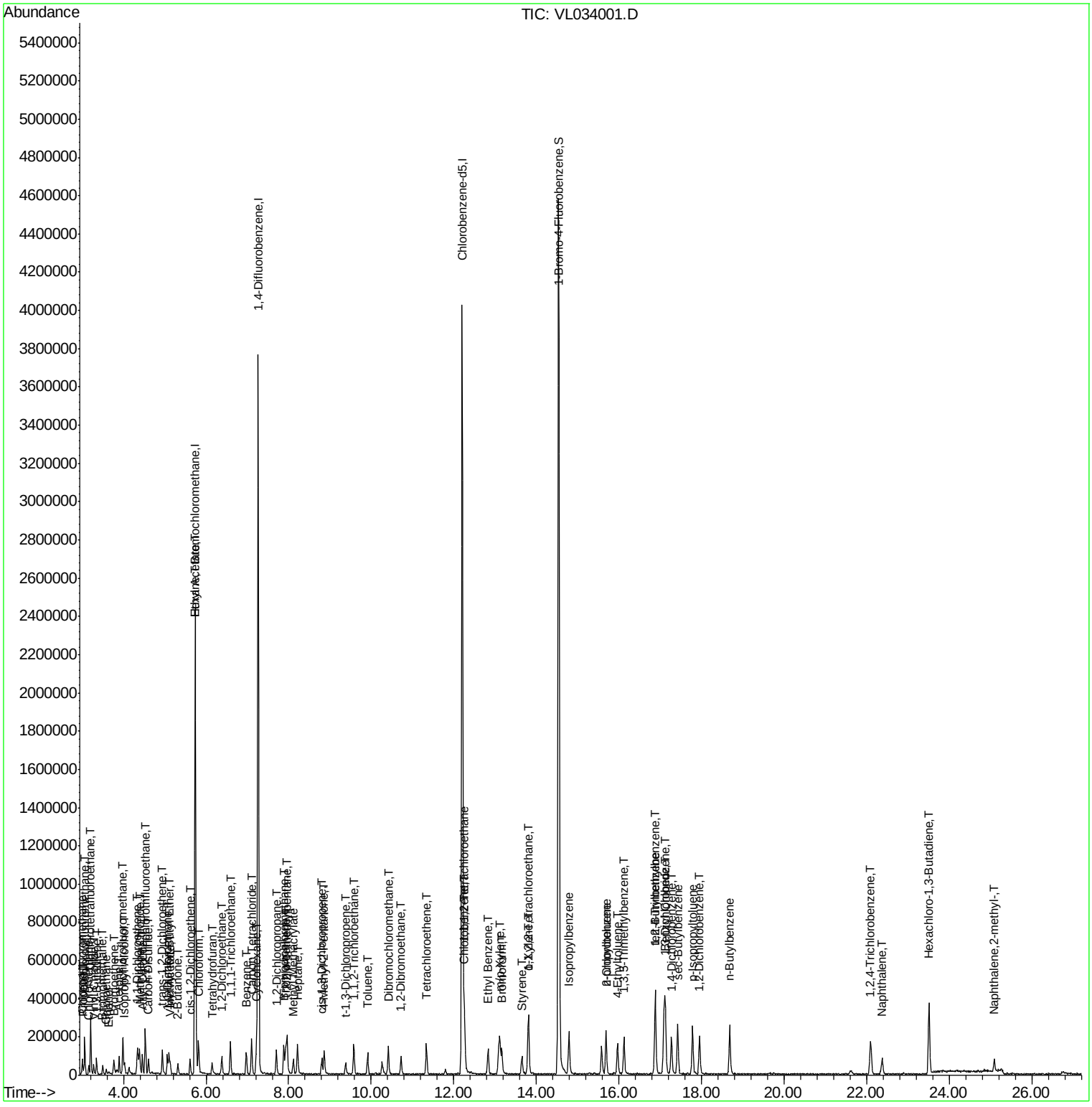
(#) = qualifier out of range (m) = manual integration (+) = signals summed

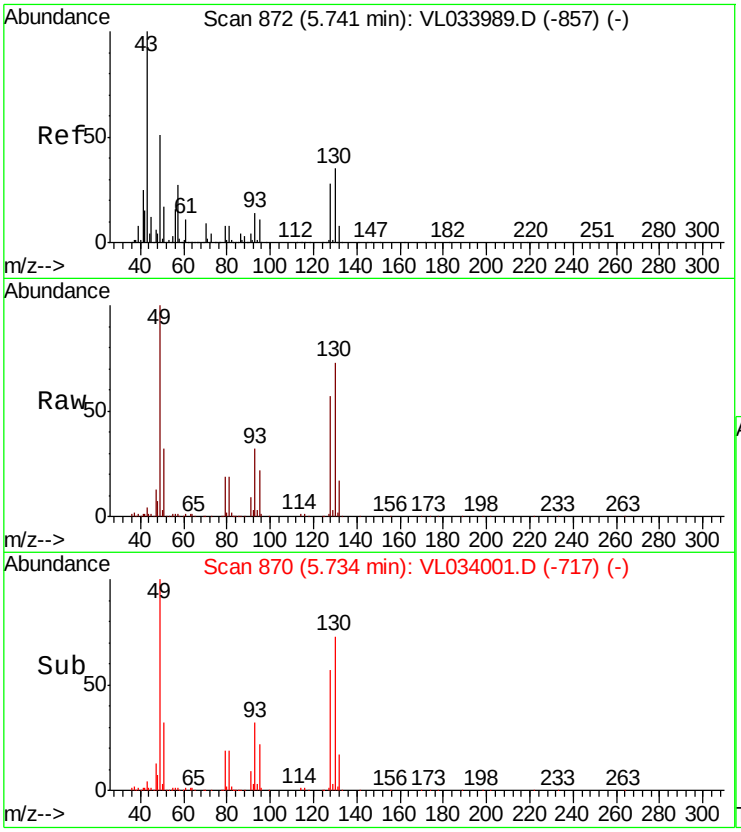
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070219\
Data File : VL034001.D
Acq On : 3 Jul 2019 1:56
Operator : SY/AP
Sample : K3591-14 LOQ 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 03 04:34:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



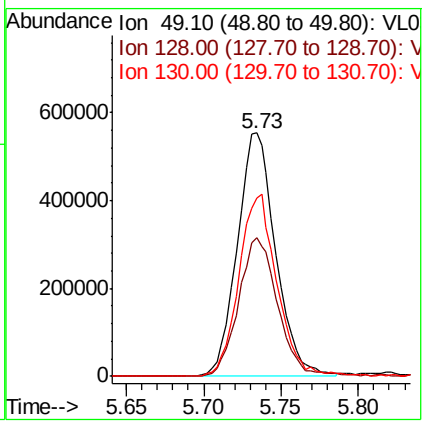


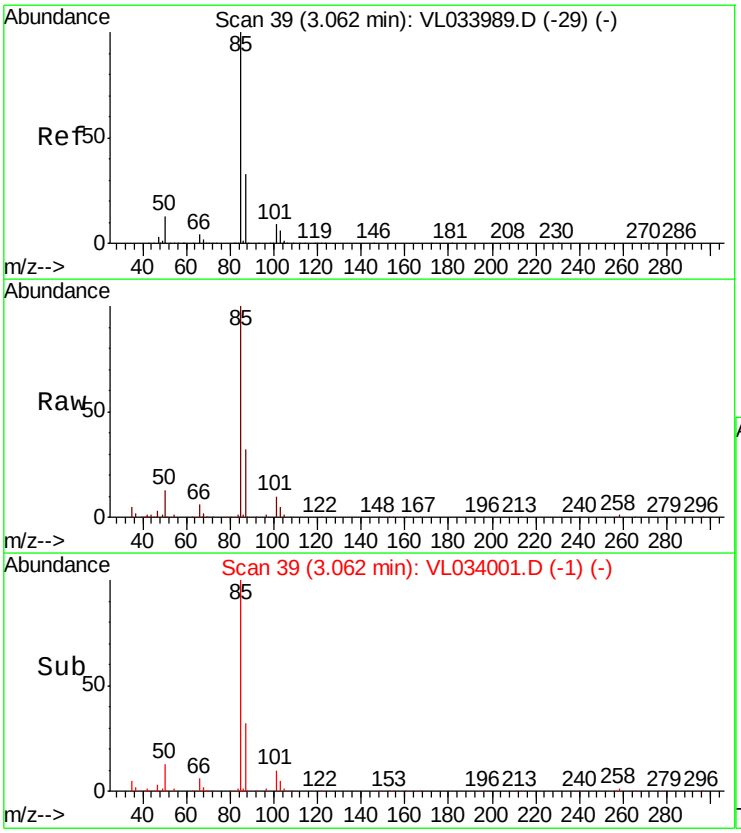
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 953550

Ion	Ratio	Lower	Upper
49	100		
128	58.7	27.9	83.6
130	74.5	35.8	107.4

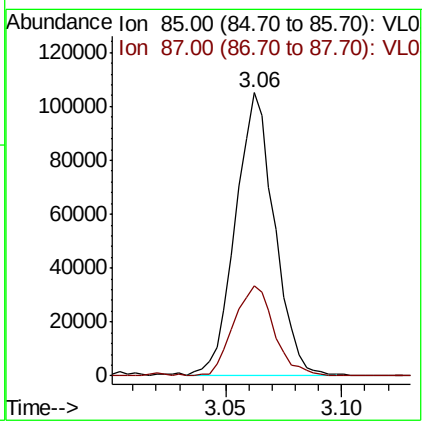


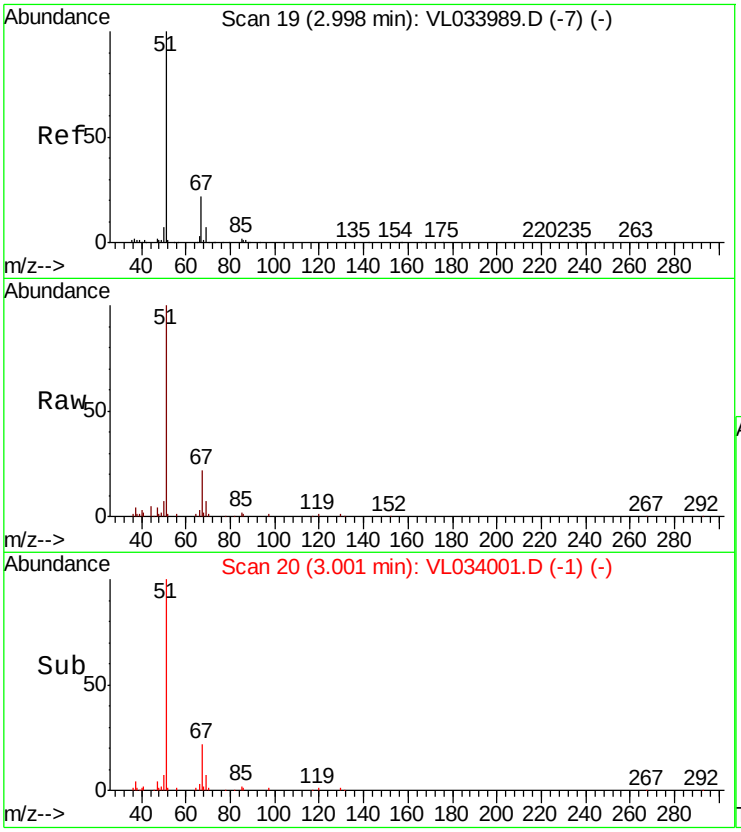


#2
Dichlorodifluoromethane
Concen: 0.616 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 85 Resp: 121304

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.0	39.0



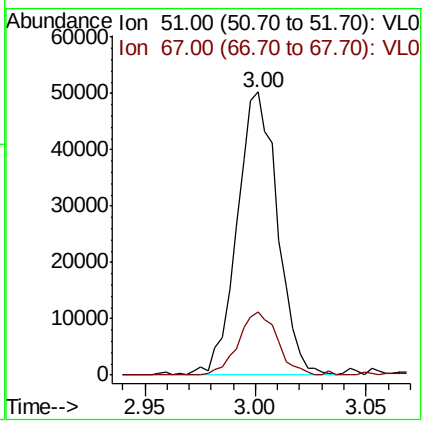


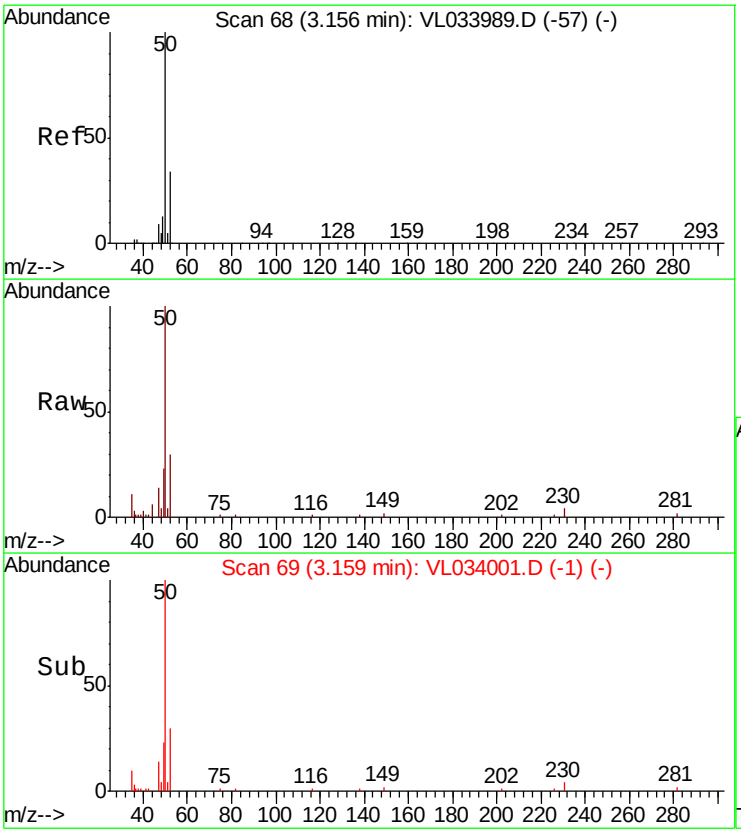
#3
Chlorodifluoromethane
Concen: 0.546 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 64292

Ion	Ratio	Lower	Upper
51	100		
67	21.7	17.3	25.9

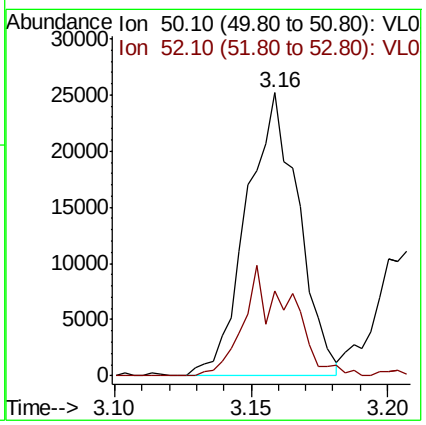


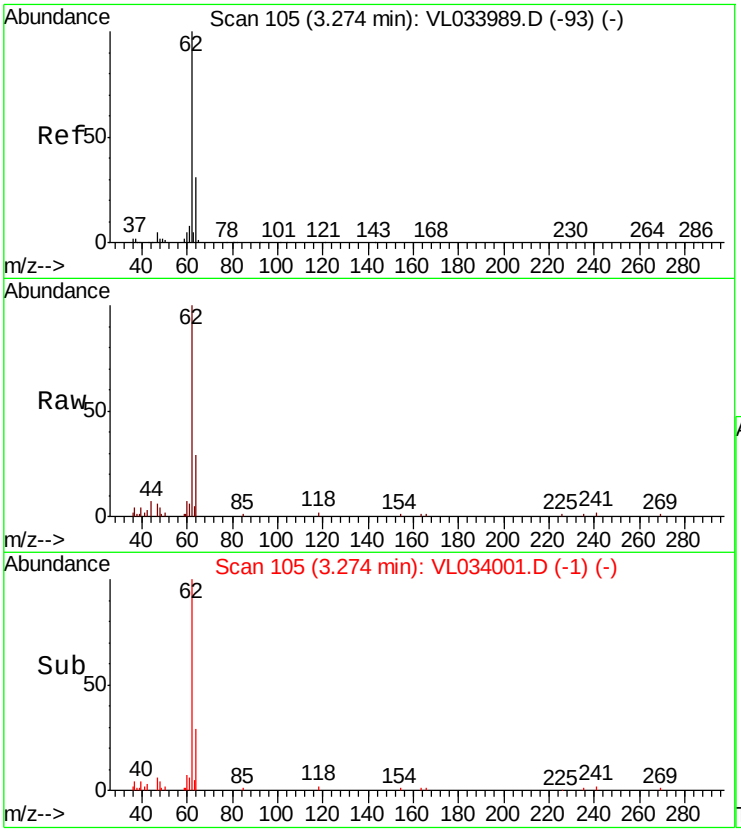


#4
Chloromethane
Concen: 0.493 ppbv
RT: 3.16 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 50 Resp: 33362

Ion	Ratio	Lower	Upper
50	100		
52	30.0	27.4	41.0



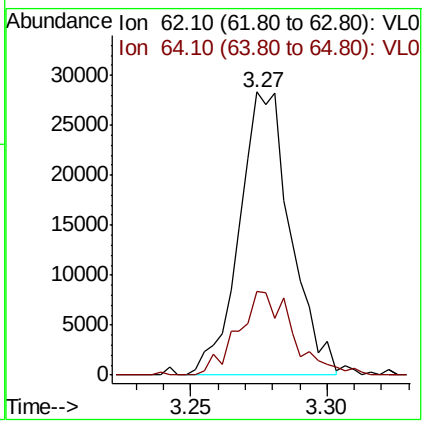


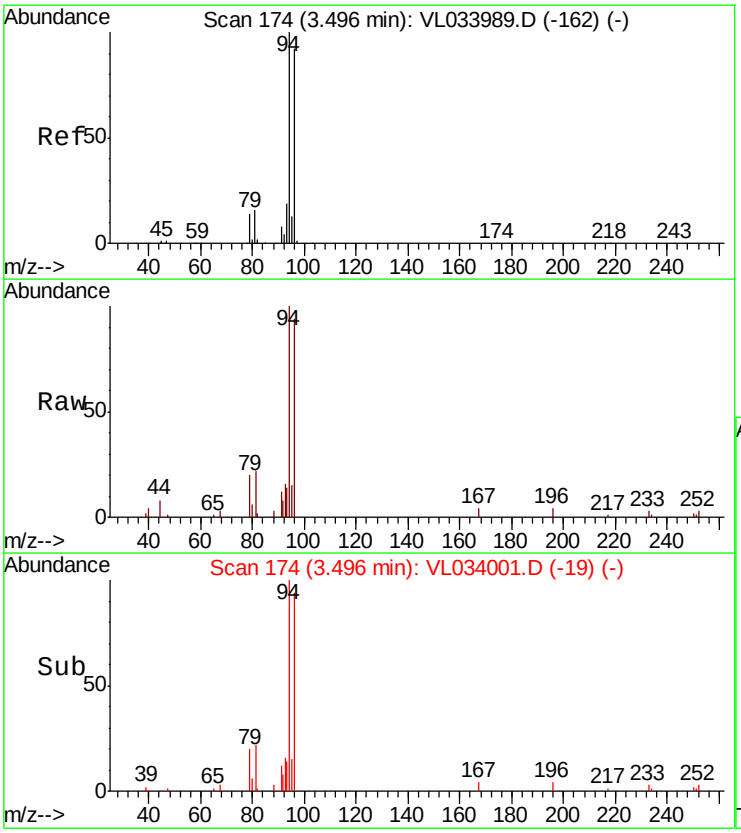
#5
Vinyl Chloride
Concen: 0.485 ppbv
RT: 3.27 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 36898

Ion	Ratio	Lower	Upper
62	100		
64	29.5	24.4	36.6

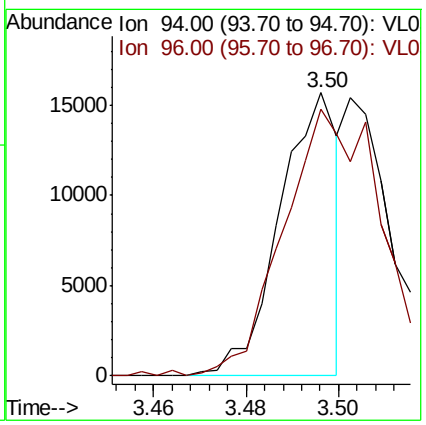


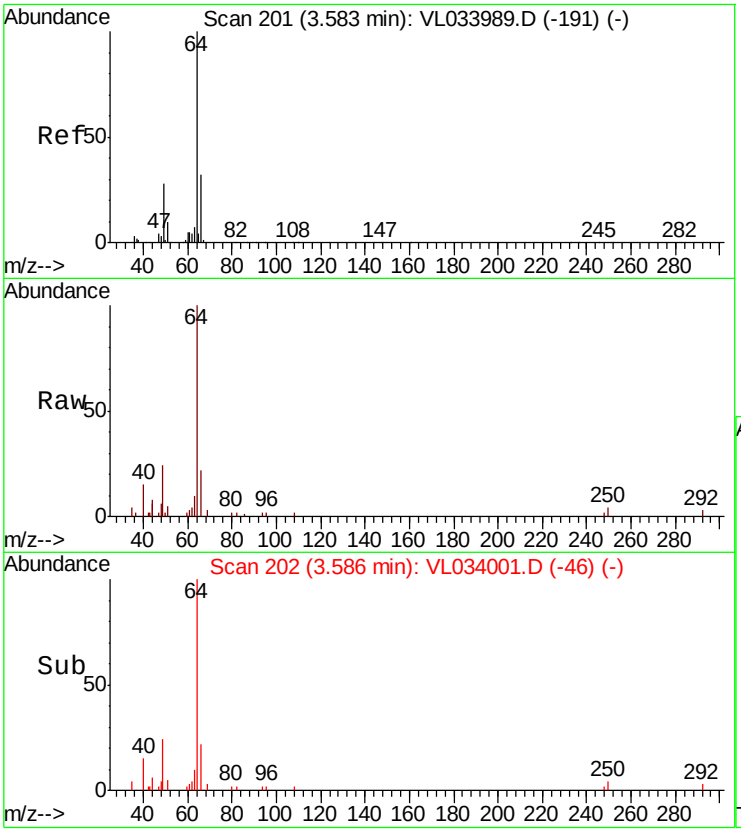


#6
Bromomethane
Concen: 0.303 ppbv
RT: 3.50 min Scan# 174
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 94 Resp: 13619

Ion	Ratio	Lower	Upper
94	100		
96	94.2	73.8	110.8



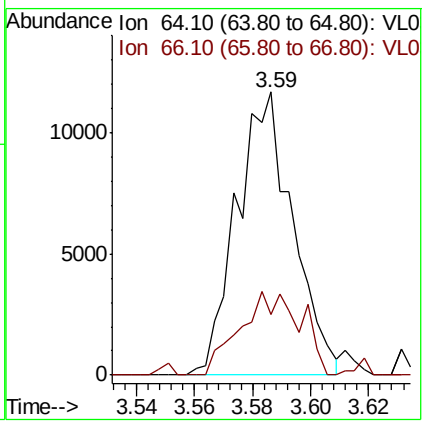


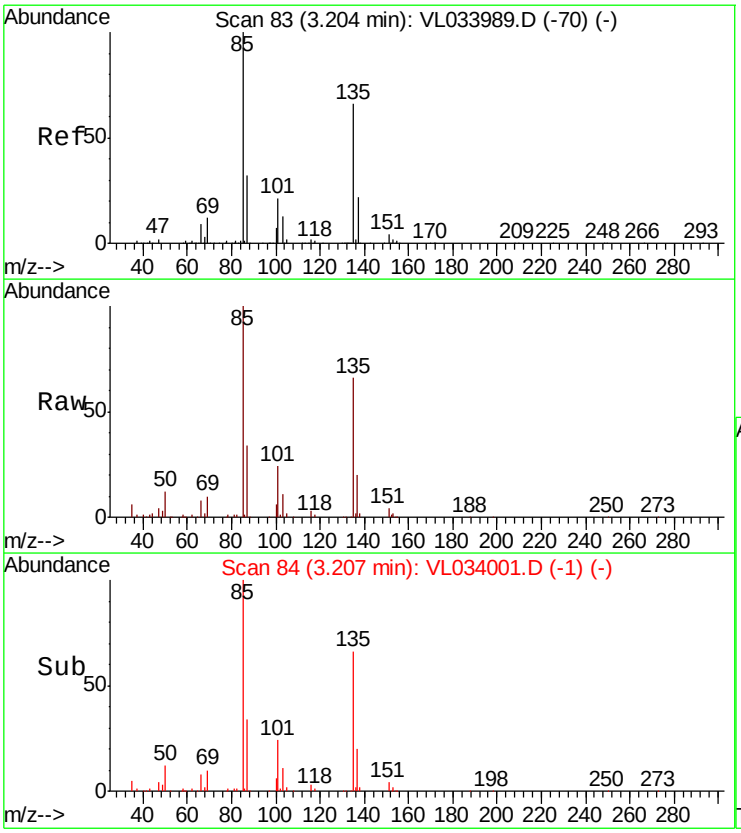
#7
Chloroethane
Concen: 0.573 ppbv
RT: 3.59 min Scan# 202
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 15603

Ion	Ratio	Lower	Upper
64	100		
66	21.6	25.3	37.9#

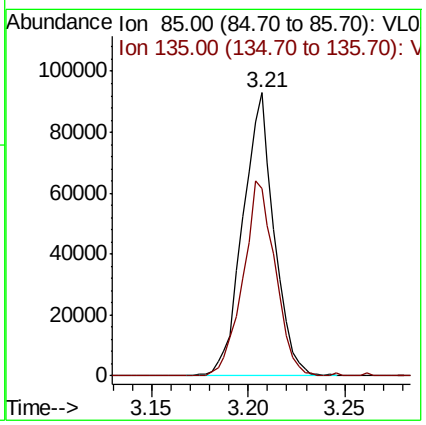


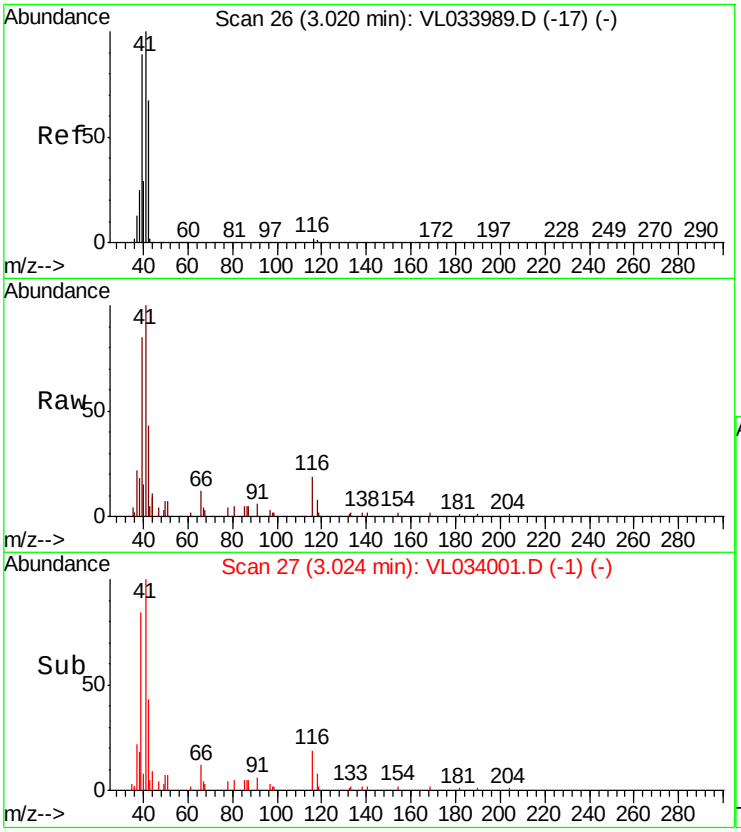


#8
Dichlorotetrafluoroethane
Concen: 0.546 ppbv
RT: 3.21 min Scan# 84
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 85 Resp: 104727

Ion	Ratio	Lower	Upper
85	100		
135	71.1	55.0	82.4



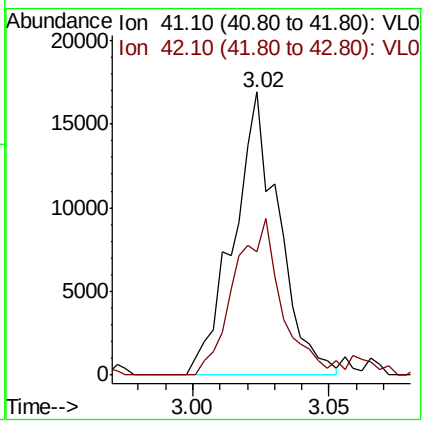


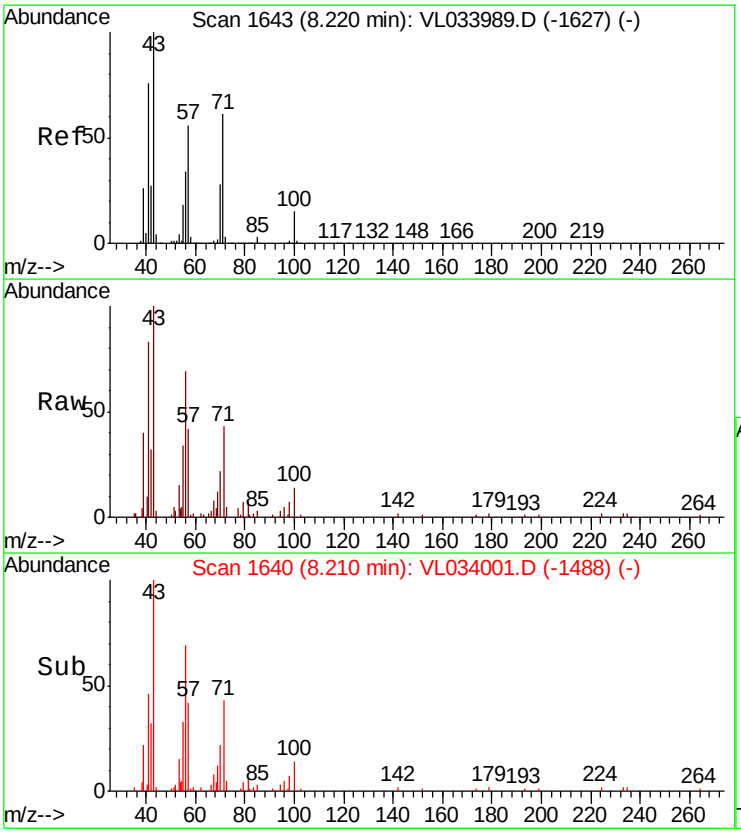
#9
Propene
Concen: 0.451 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 19523

Ion	Ratio	Lower	Upper
41	100		
42	63.9	57.1	85.7

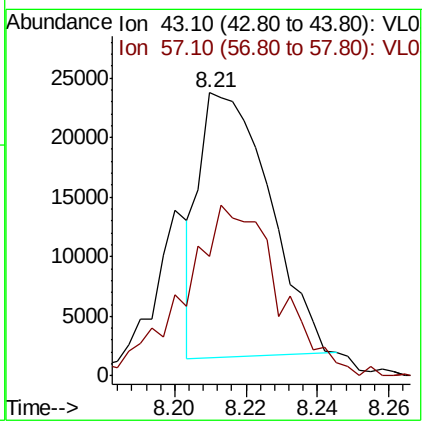


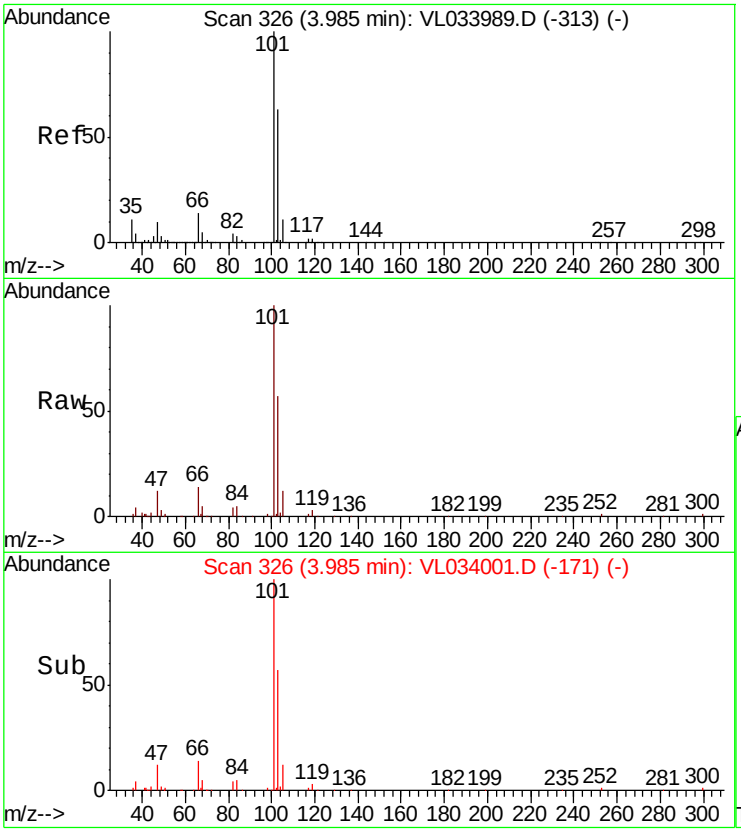


#10
Heptane
Concen: 0.277 ppbv
RT: 8.21 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 43 Resp: 30082

Ion	Ratio	Lower	Upper
43	100		
57	87.6	44.6	66.8#



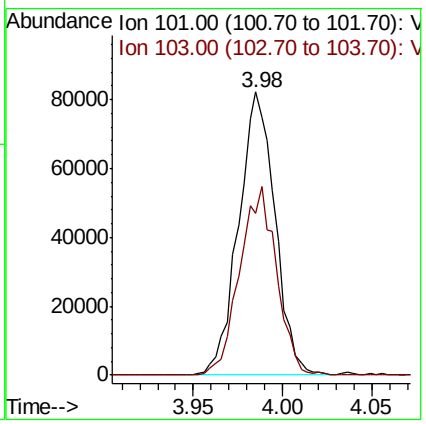


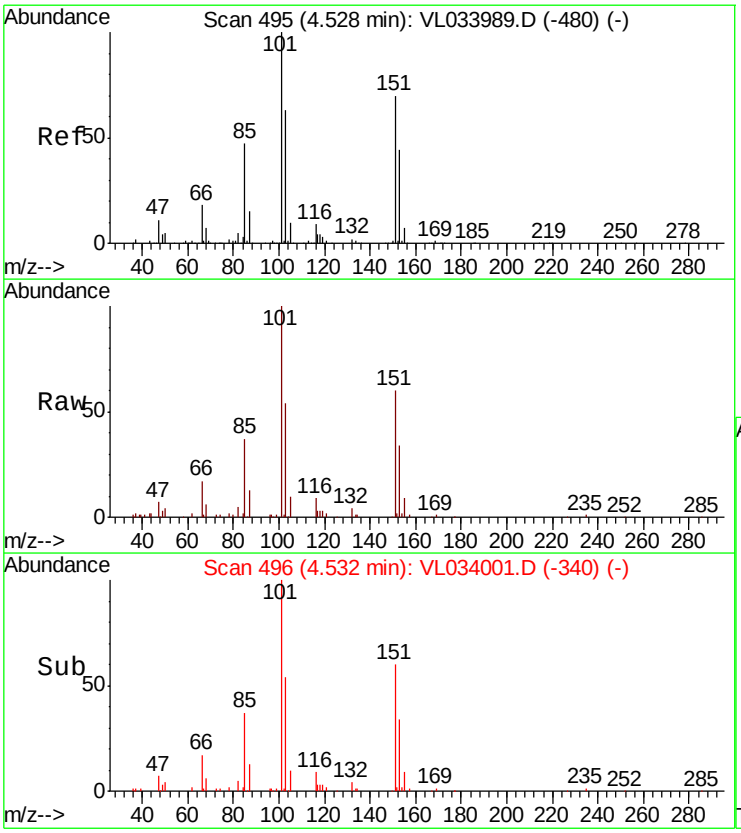
#11
Trichlorofluoromethane
Concen: 0.532 ppbv
RT: 3.98 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 117726

Ion	Ratio	Lower	Upper
101	100		
103	57.0	50.8	76.2

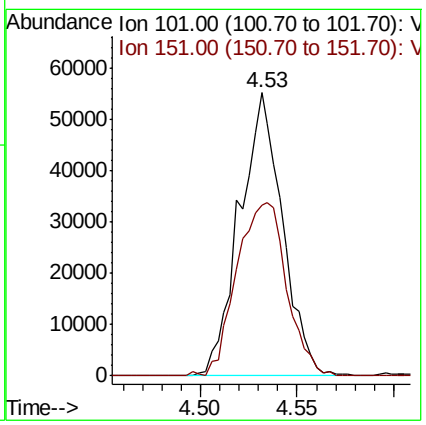


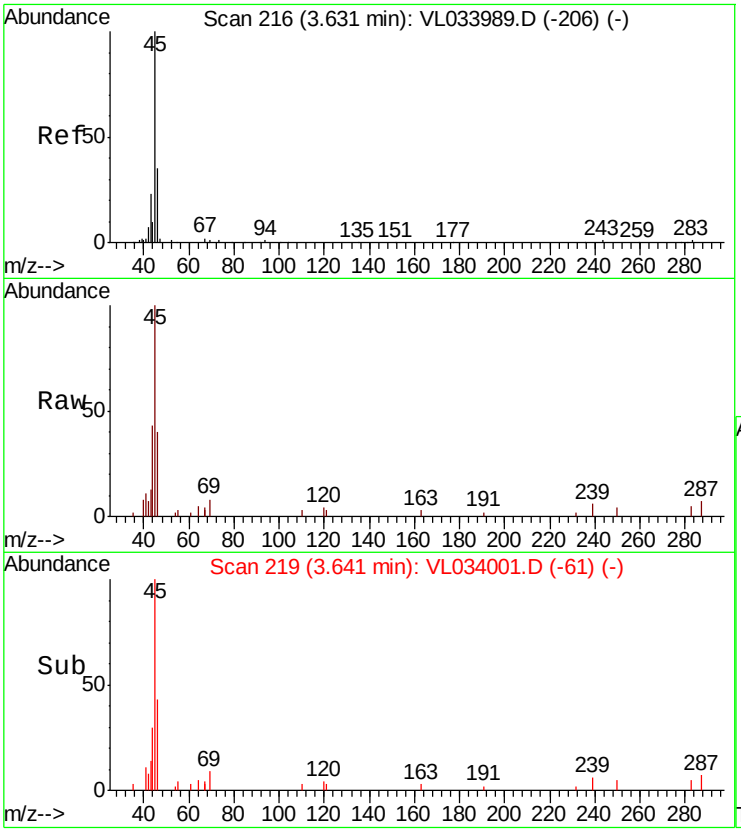


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.546 ppbv
RT: 4.53 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:101 Resp: 85448

Ion	Ratio	Lower	Upper
101	100		
151	71.1	59.0	88.4



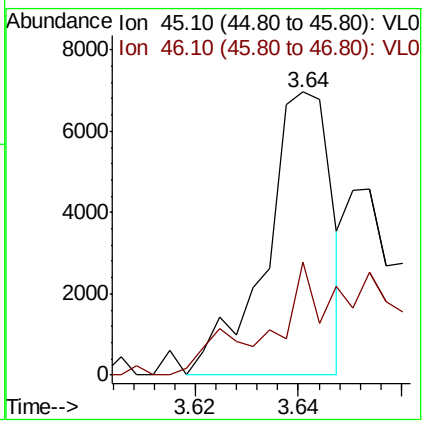


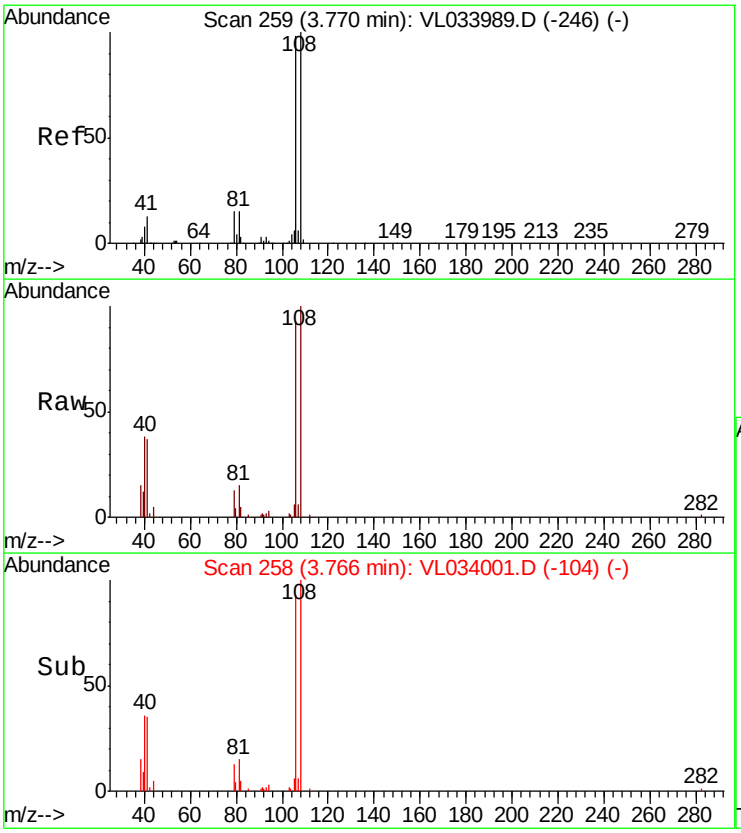
#13
Ethanol
Concen: 0.455 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 6119

Ion	Ratio	Lower	Upper
45	100		
46	69.8	16.2	64.6#

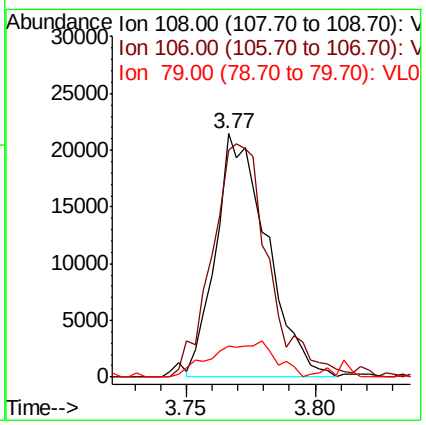


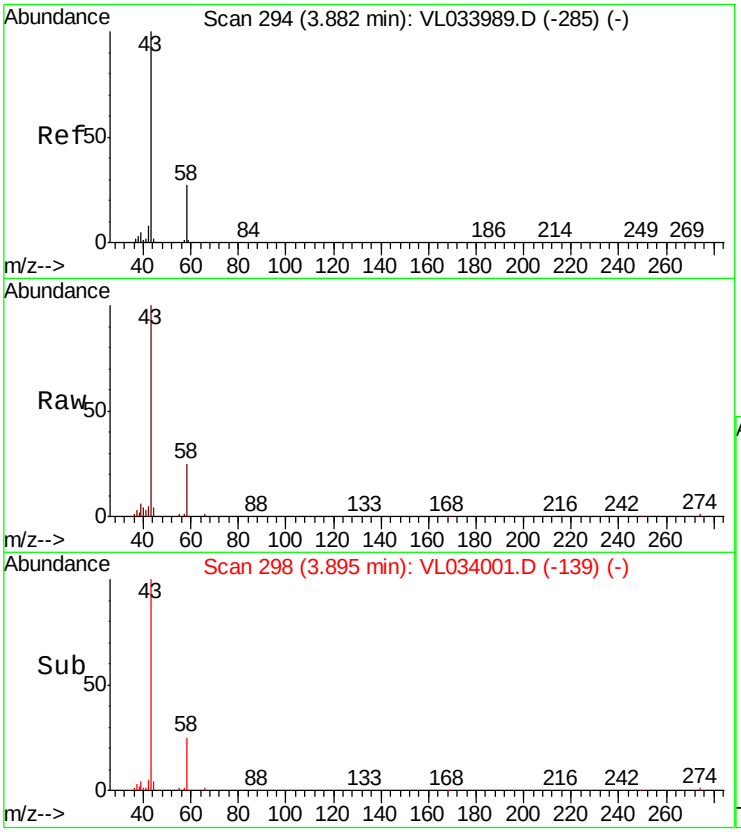


#14
Bromoethene
Concen: 0.505 ppbv
RT: 3.77 min Scan# 258
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:108 Resp: 29549

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.6	128.4
79	18.4	14.0	21.0



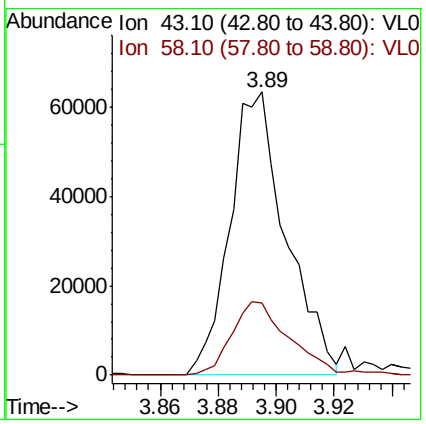


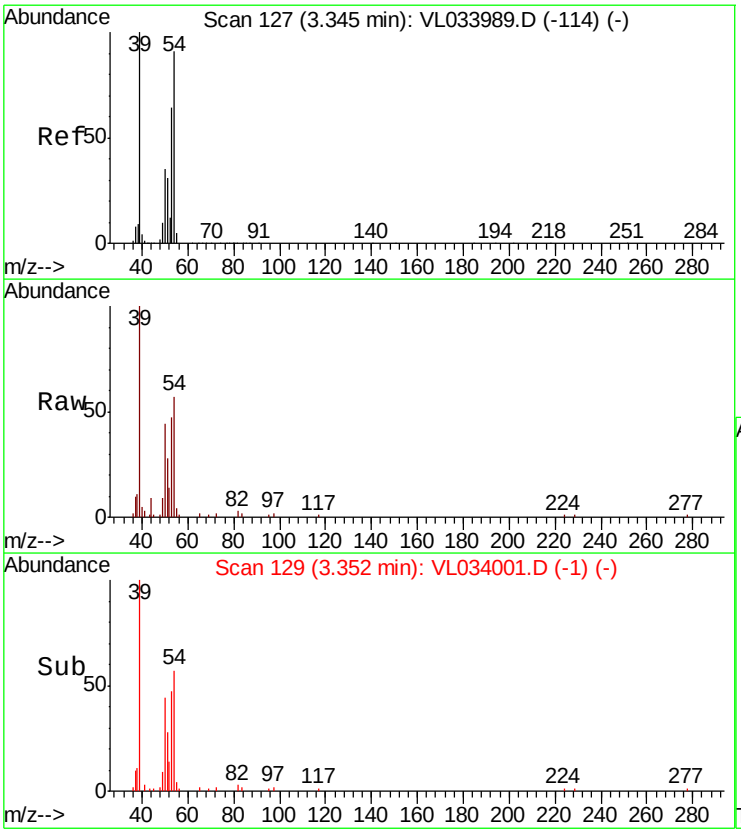
#15
Acetone
Concen: 0.531 ppbv
RT: 3.89 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 85121

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.4	32.0

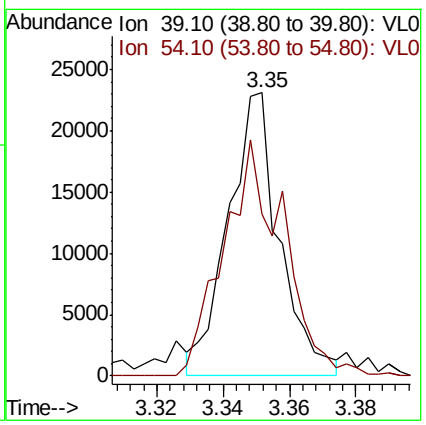


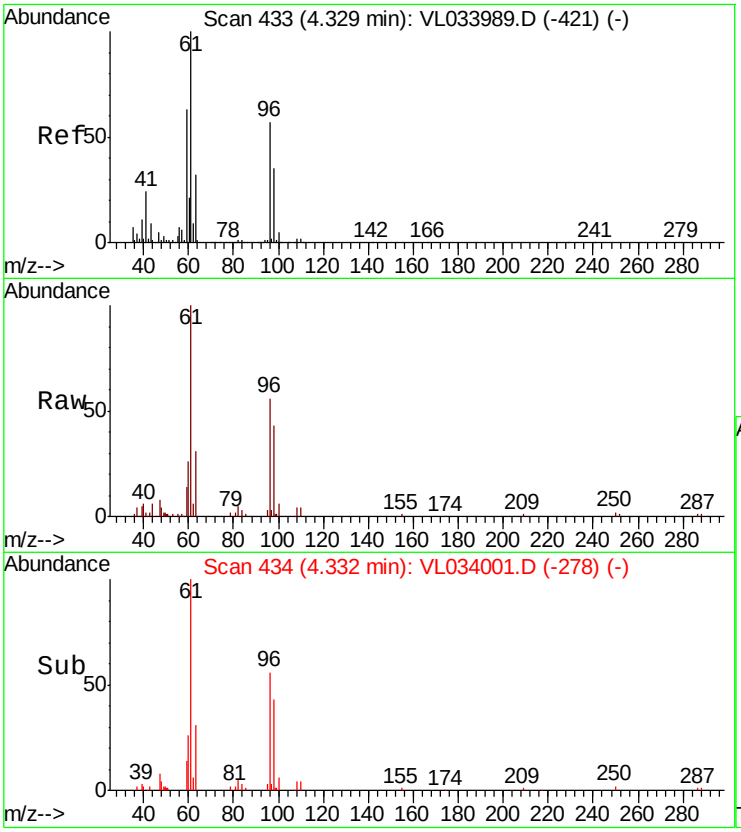


#16
1,3-Butadiene
Concen: 0.435 ppbv
RT: 3.35 min Scan# 129
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 39 Resp: 24640

Ion	Ratio	Lower	Upper
39	100		
54	98.4	71.4	107.2



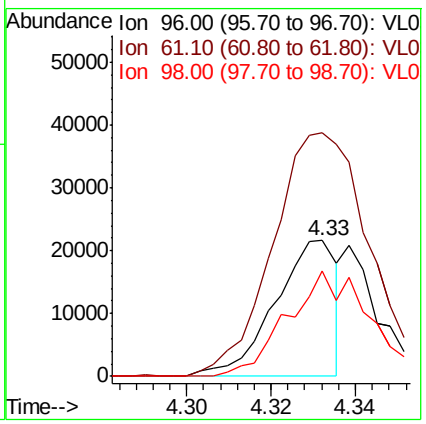


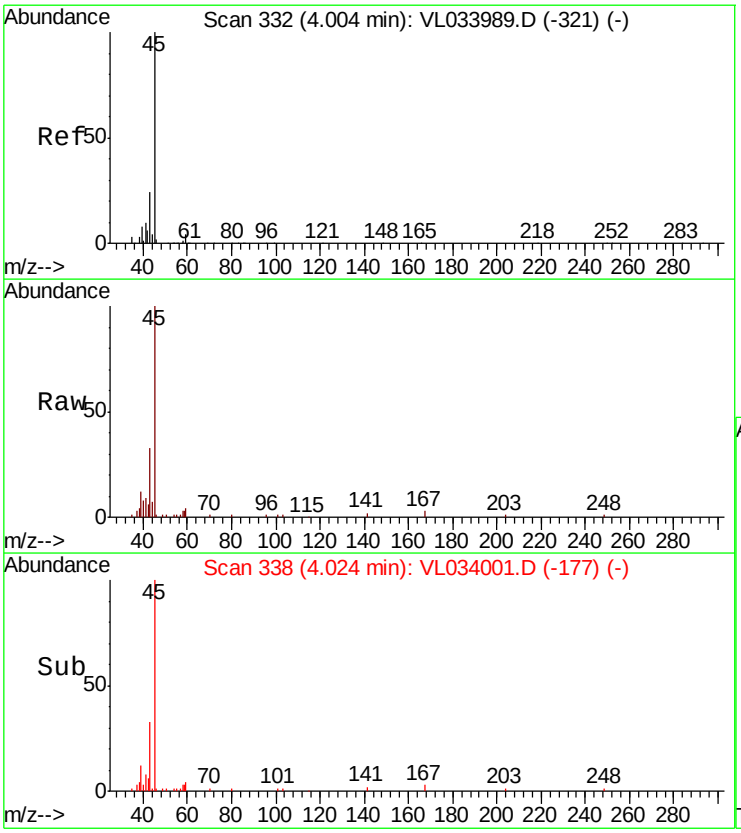
#18
1,1-Dichloroethene
Concen: 0.316 ppbv
RT: 4.33 min Scan# 434
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 22045

Ion	Ratio	Lower	Upper
96	100		
61	179.6	139.4	209.0
98	77.4	49.4	74.0#

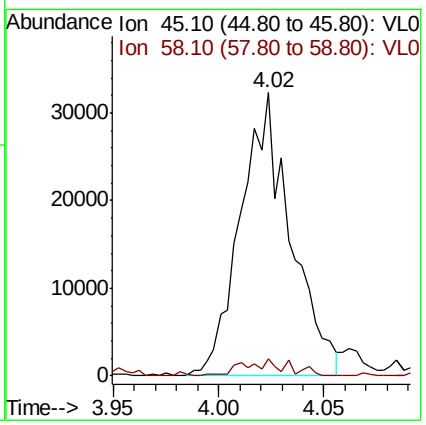


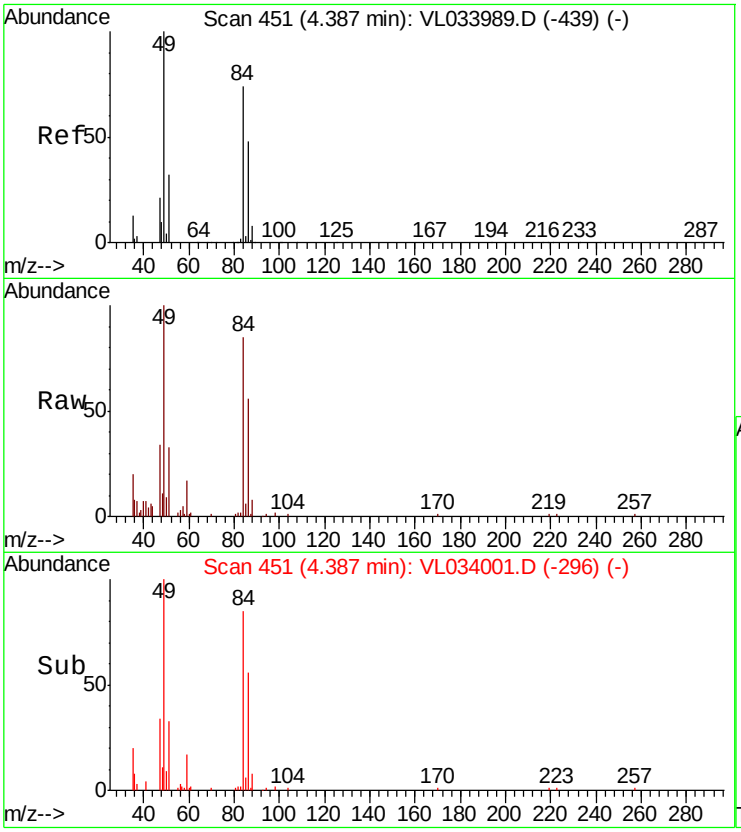


#19
Isopropyl Alcohol
Concen: 0.495 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 45 Resp: 53309

Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.7	2.5#



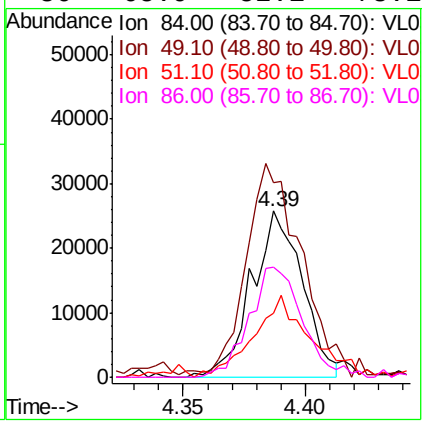


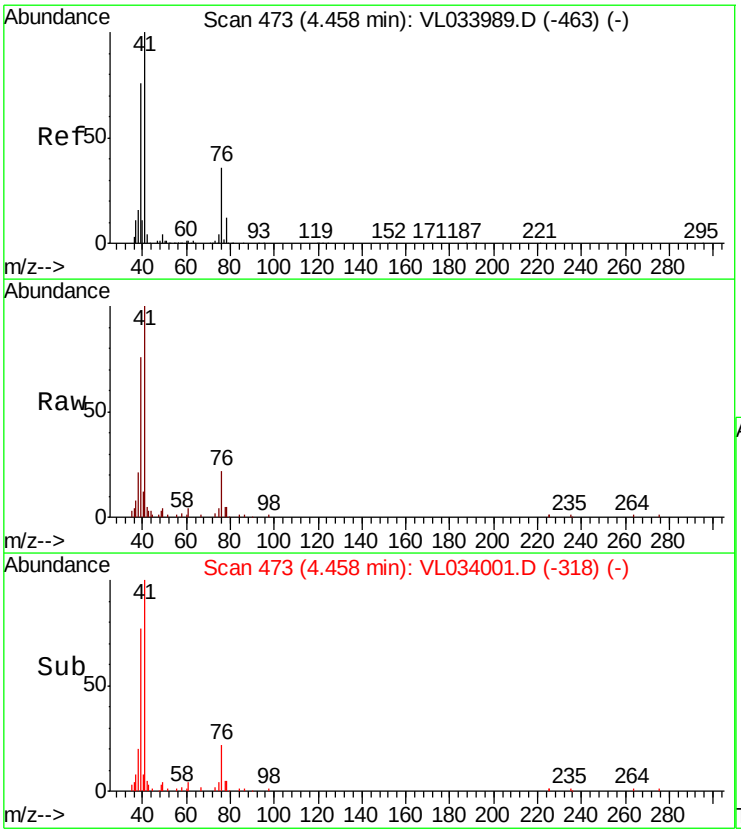
#20
Methylene Chloride
Concen: 0.532 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 37168

Ion	Ratio	Lower	Upper
84	100		
49	113.6	107.6	161.4
51	35.2	35.0	52.6
86	65.9	52.1	78.1

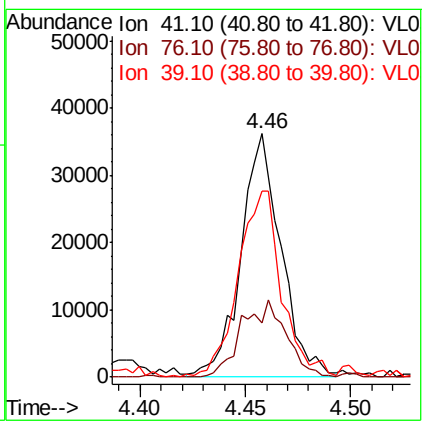


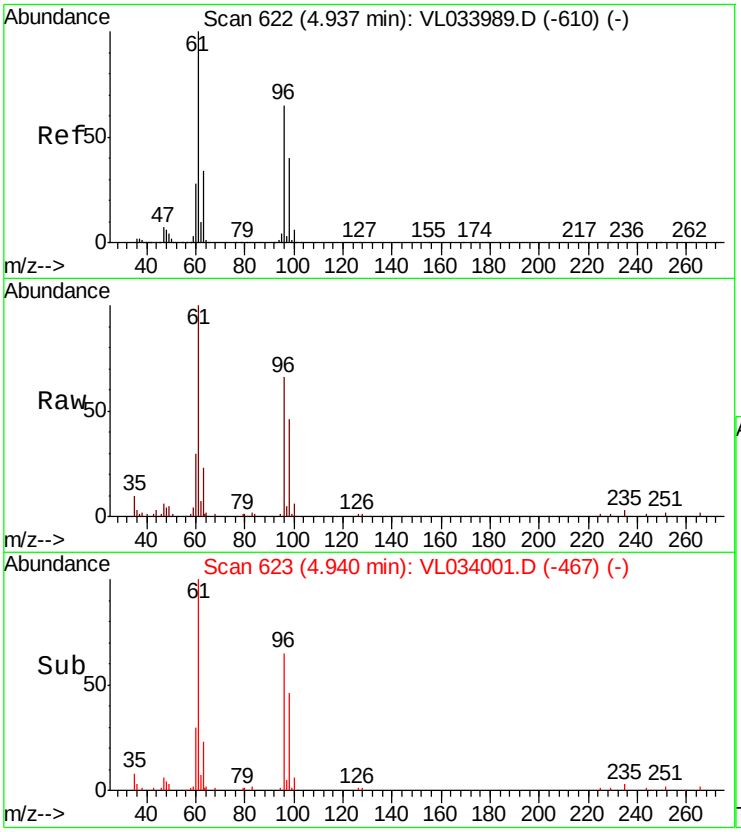


#21
Allyl Chloride
Concen: 0.481 ppbv
RT: 4.46 min Scan# 473
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 41 Resp: 48061

Ion	Ratio	Lower	Upper
41	100		
76	35.4	26.8	40.2
39	83.1	63.1	94.7



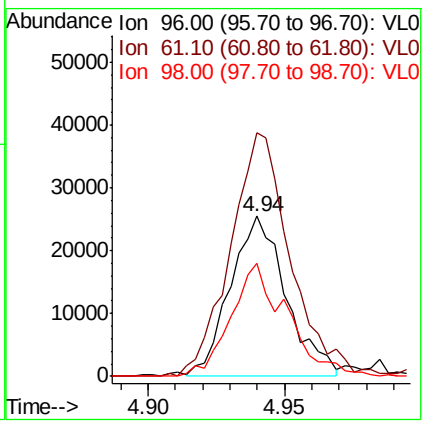


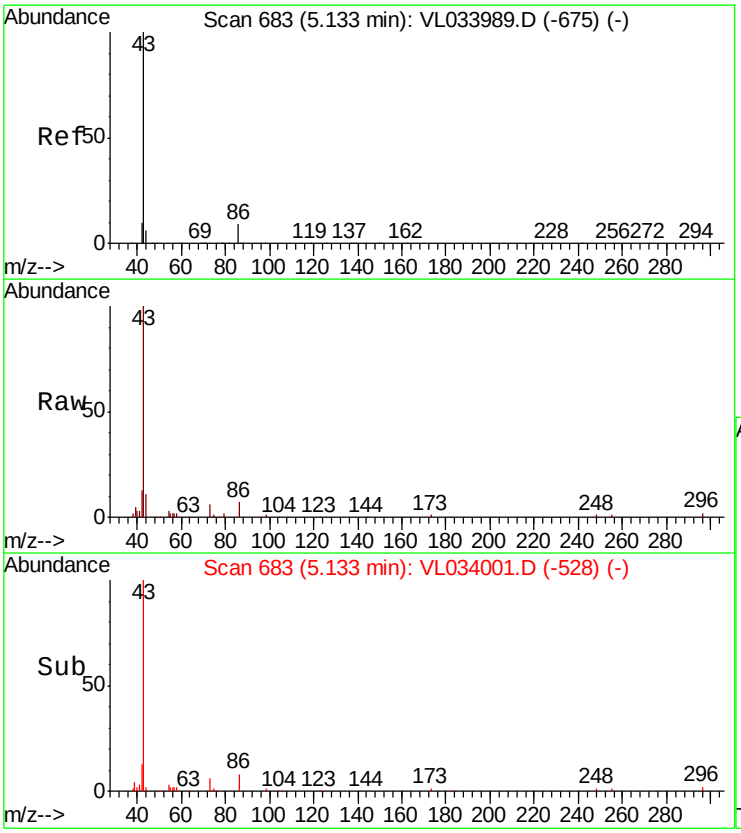
#22
trans-1,2-Dichloroethene
Concen: 0.546 ppbv
RT: 4.94 min Scan# 623
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 36310

Ion	Ratio	Lower	Upper
96	100		
61	147.2	122.9	184.3
98	69.7	49.6	74.4

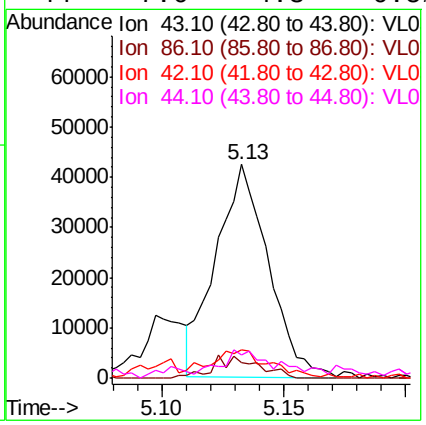


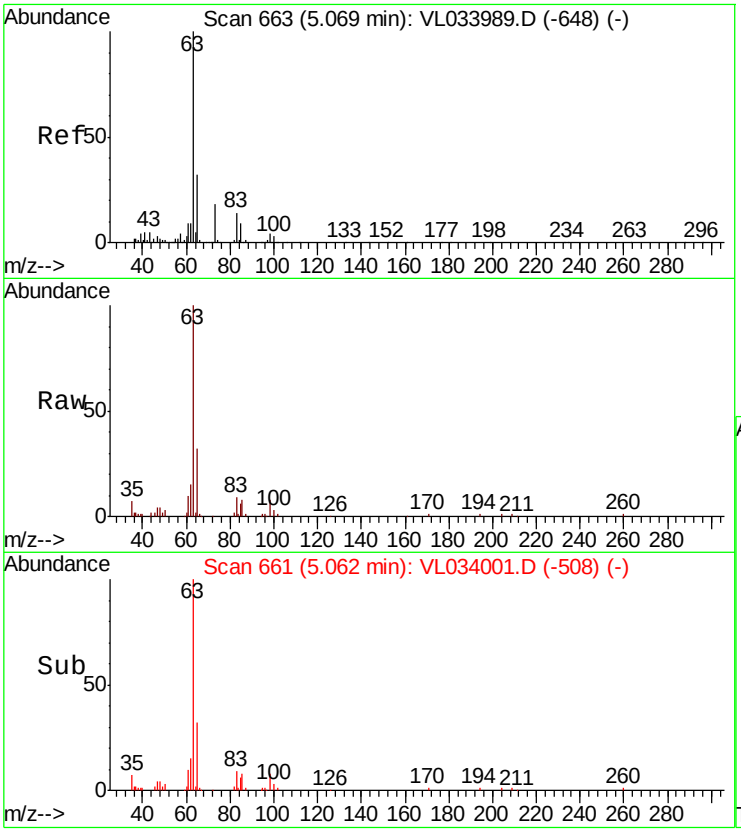


#23
Vinyl Acetate
Concen: 0.394 ppbv
RT: 5.13 min Scan# 683
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 43 Resp: 63101

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.6	9.8
42	13.0	8.3	12.5#
44	7.6	4.3	6.5#



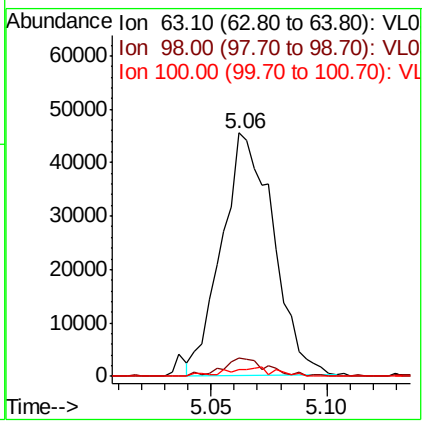


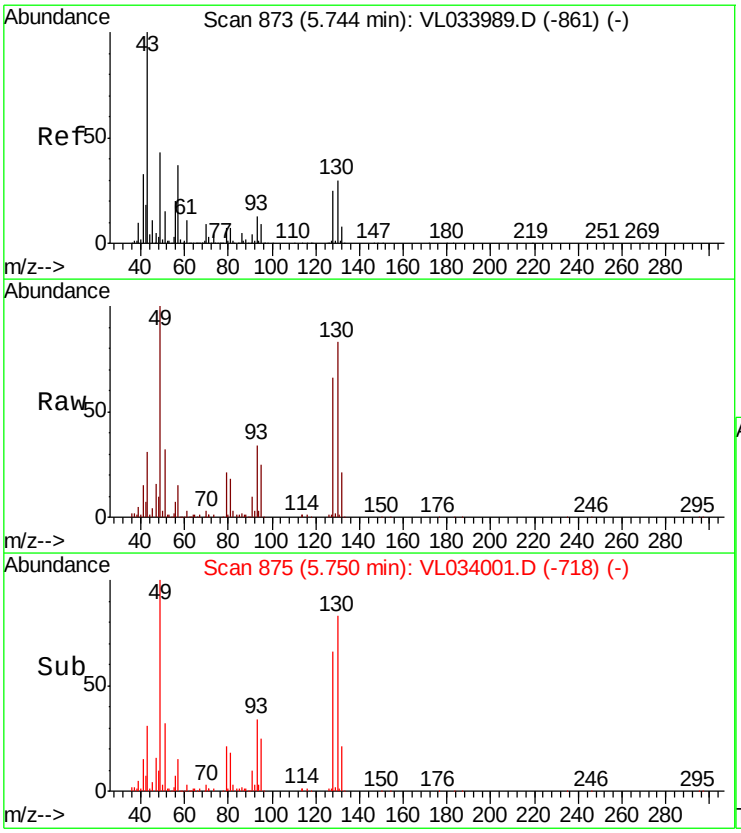
#24
1,1-Dichloroethane
Concen: 0.494 ppbv
RT: 5.06 min Scan# 661
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 70064

Ion	Ratio	Lower	Upper
63	100		
98	7.6	2.2	6.6#
100	3.0	1.4	4.2

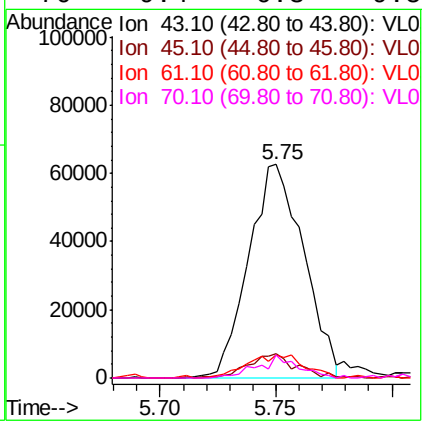


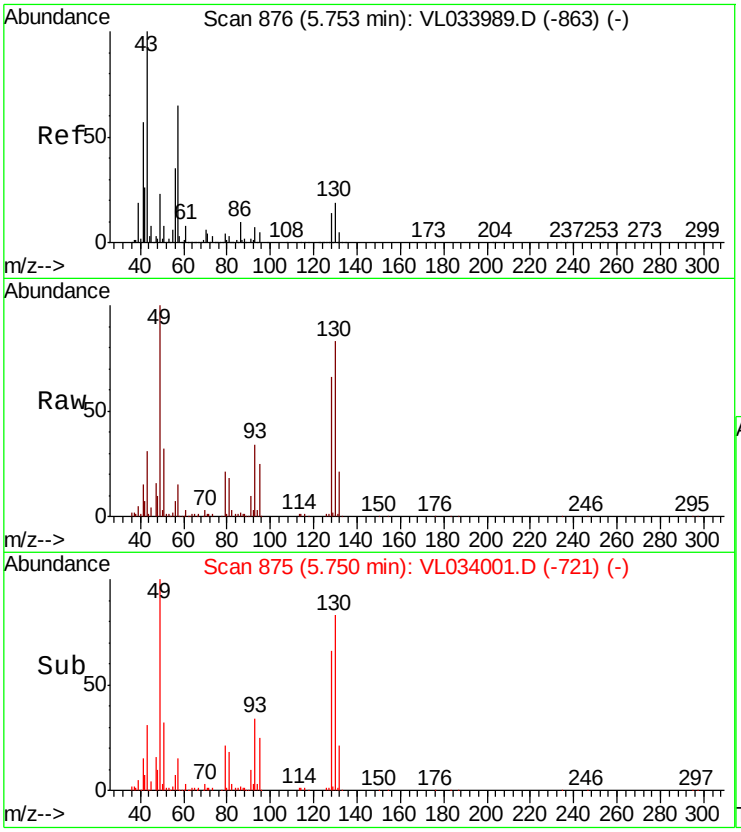


#25
Ethyl Acetate
Concen: 0.470 ppbv
RT: 5.75 min Scan# 875
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 43 Resp: 102978

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	12.0	8.1	12.1
70	9.4	6.3	9.5



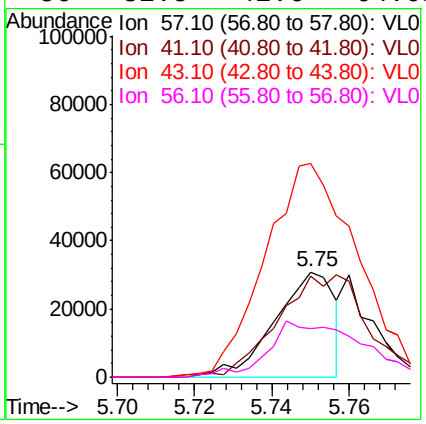


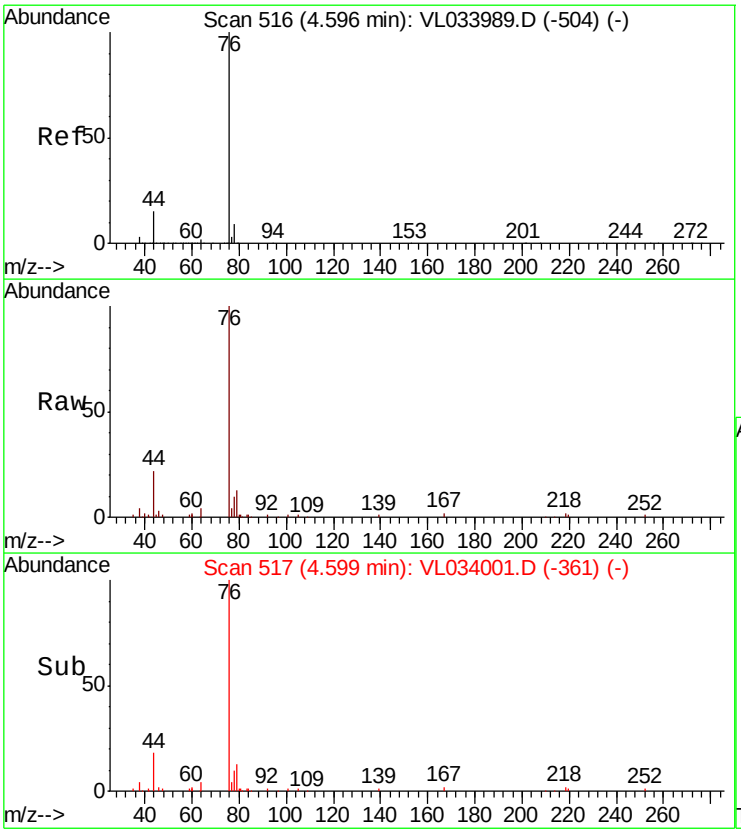
#26
Hexane
Concen: 0.331 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 33189

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.6	105.8#
43	326.6	177.6	266.4#
56	82.5	42.6	64.0#

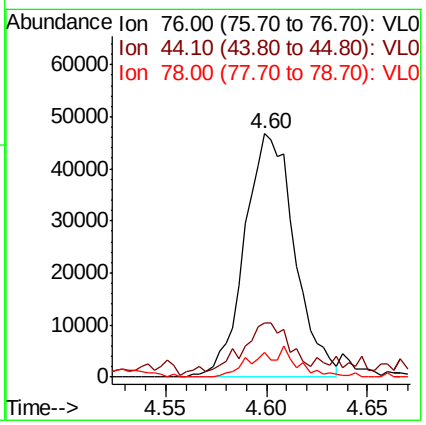


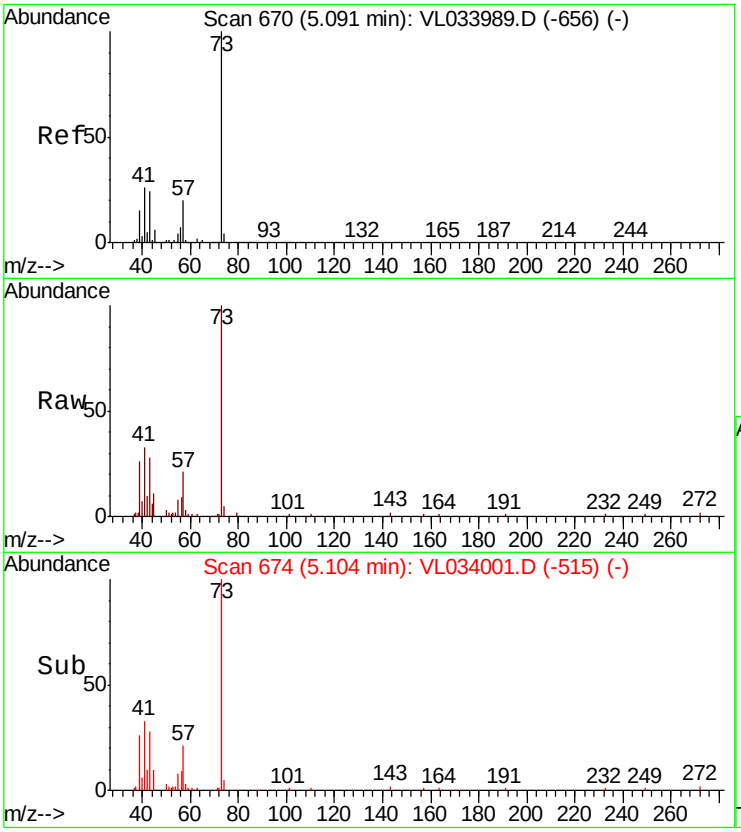


#27
Carbon Disulfide
Concen: 0.475 ppbv
RT: 4.60 min Scan# 517
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 76 Resp: 80996

Ion	Ratio	Lower	Upper
76	100		
44	26.4	12.6	18.8#
78	10.6	7.2	10.8



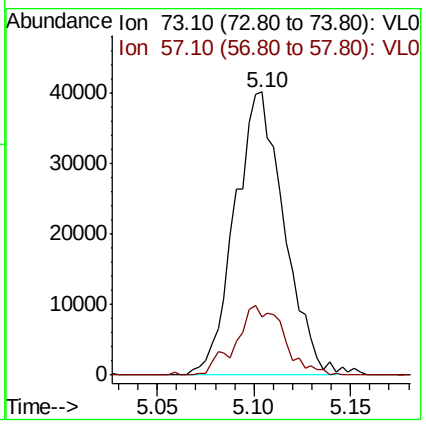


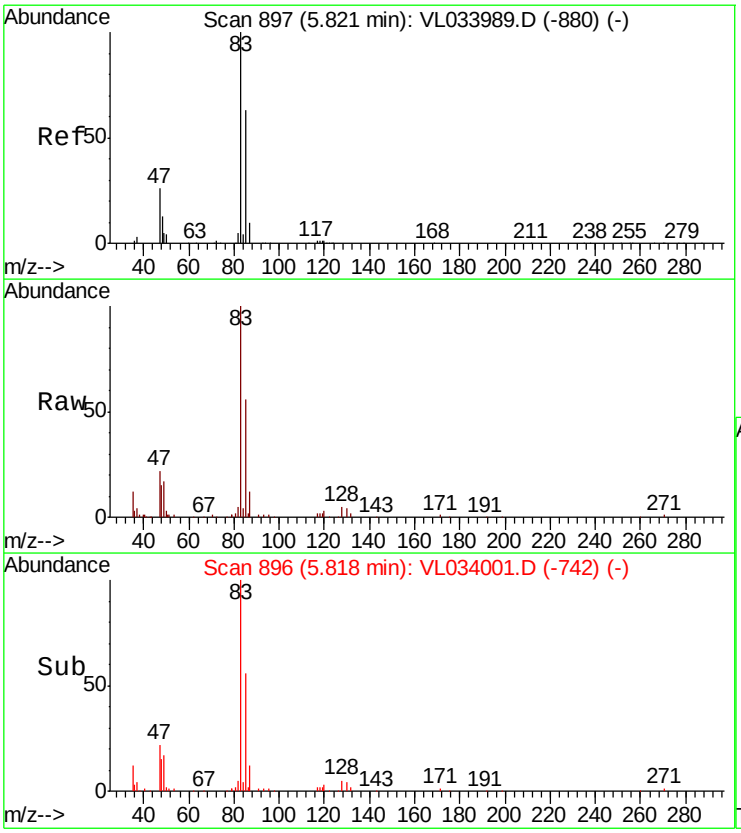
#28
Methyl tert-Butyl Ether
Concen: 0.418 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 71092

Ion	Ratio	Lower	Upper
73	100		
57	24.1	16.9	25.3

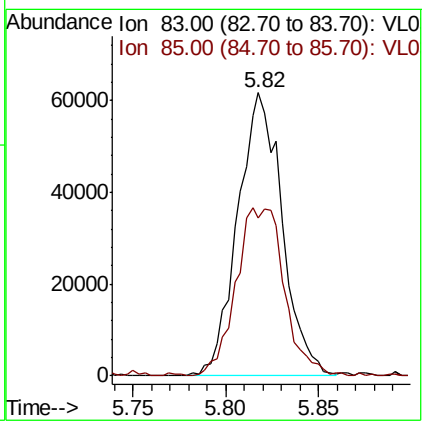


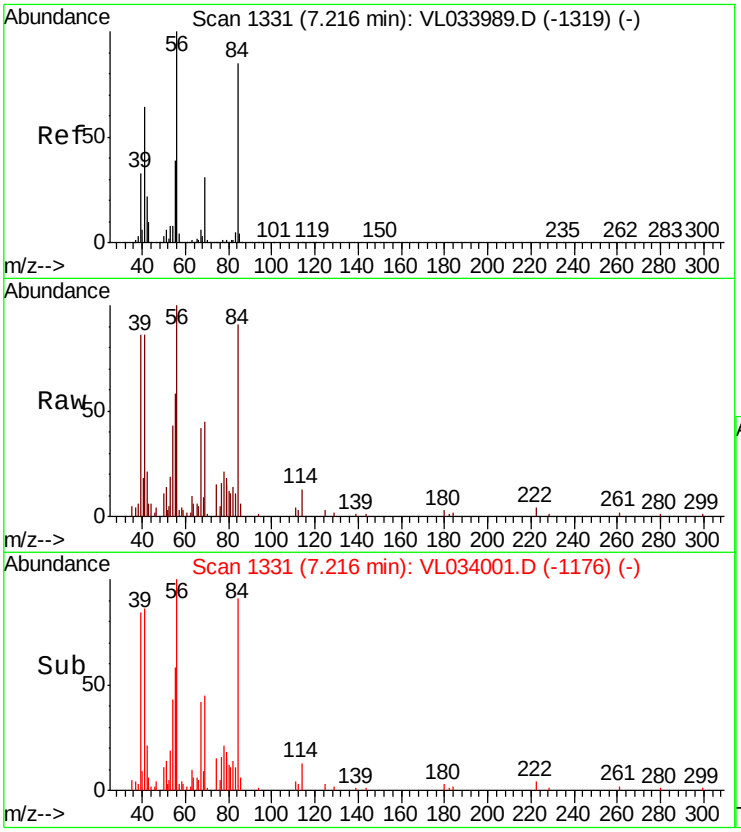


#29
Chloroform
Concen: 0.544 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 83 Resp: 102632

Ion	Ratio	Lower	Upper
83	100		
85	55.9	50.6	75.8



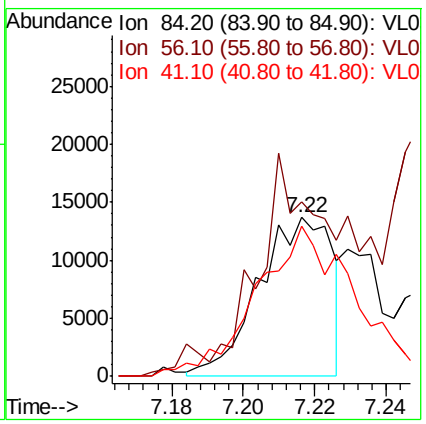


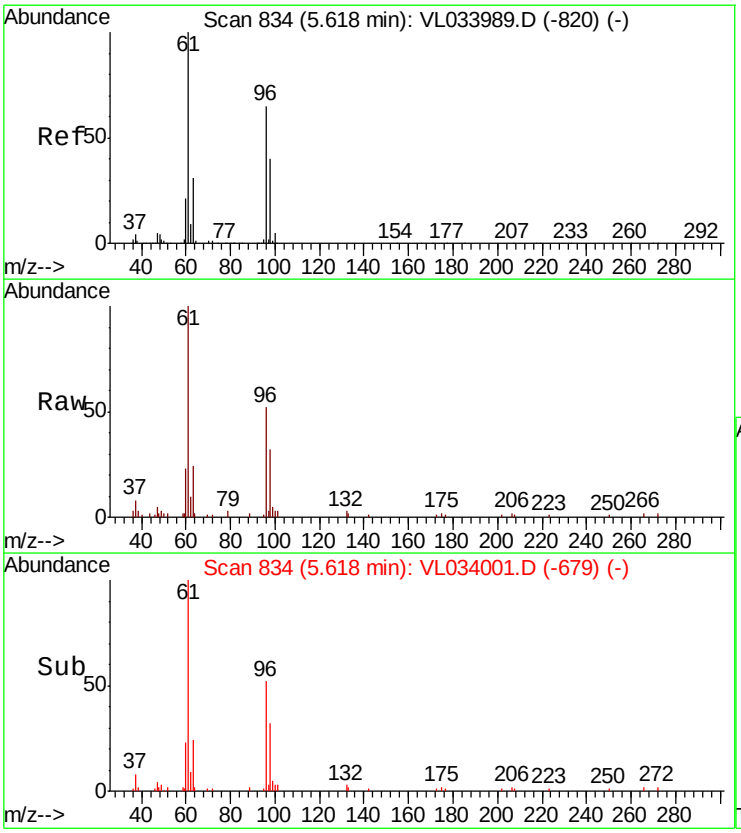
#30
Cyclohexane
Concen: 0.252 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 19538

Ion	Ratio	Lower	Upper
84	100		
56	170.8	103.7	155.5#
41	128.6	62.6	94.0#

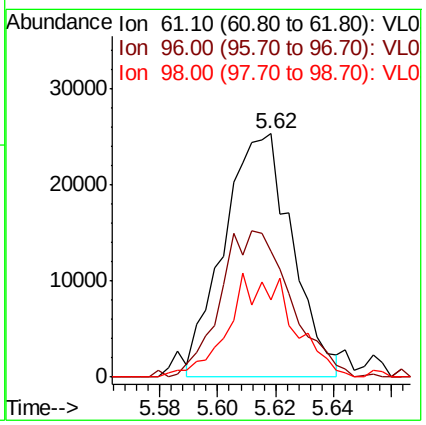


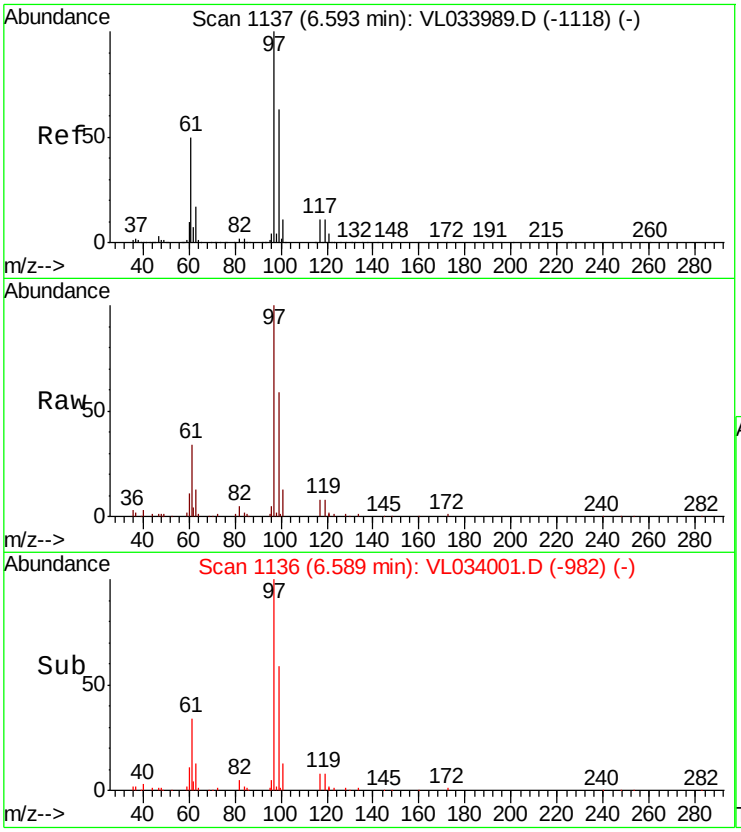


#31
cis-1,2-Dichloroethene
Concen: 0.427 ppbv
RT: 5.62 min Scan# 834
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 61 Resp: 41357

Ion	Ratio	Lower	Upper
61	100		
96	49.7	51.8	77.6#
98	30.7	32.1	48.1#

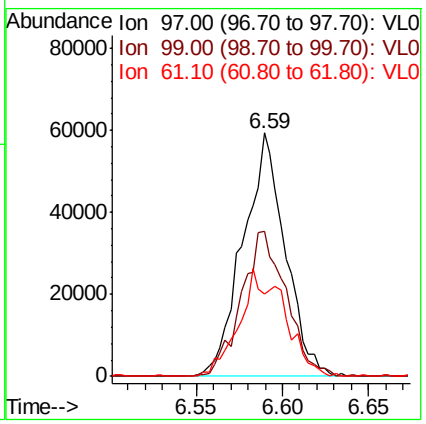




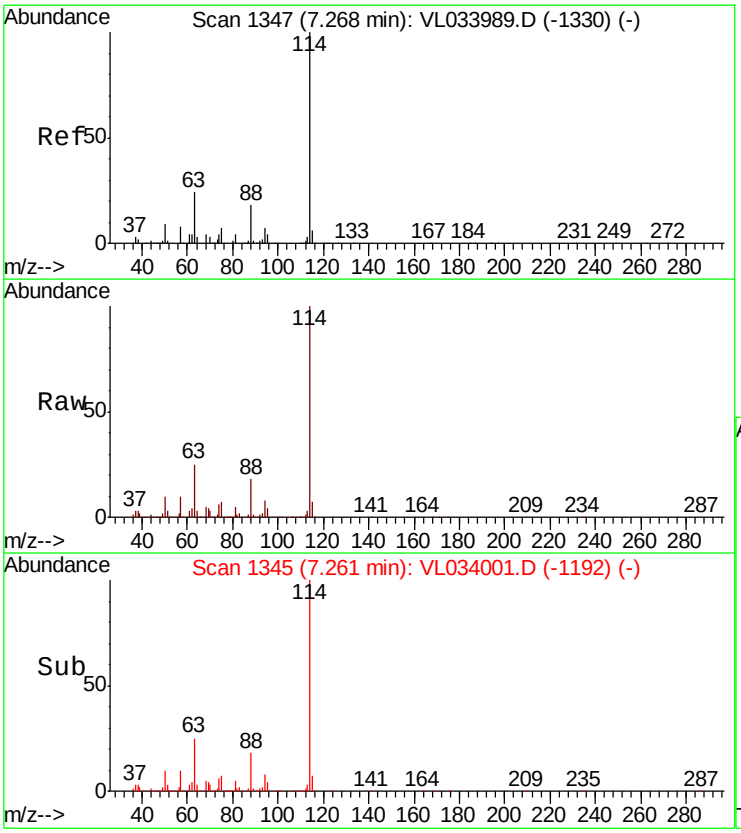
#32
1,1,1-Trichloroethane
Concen: 0.527 ppbv
RT: 6.59 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 97 Resp: 100643

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.9	77.9
61	47.7	39.8	59.8



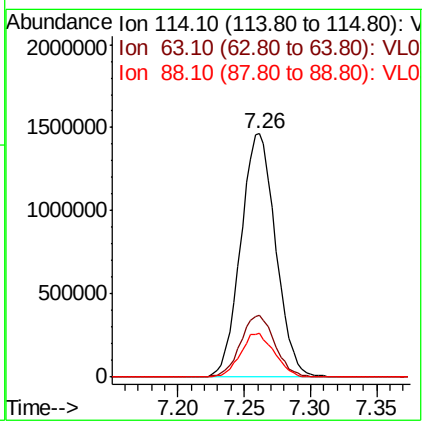
Instrument :
MSVOA_L
ClientSampleId :

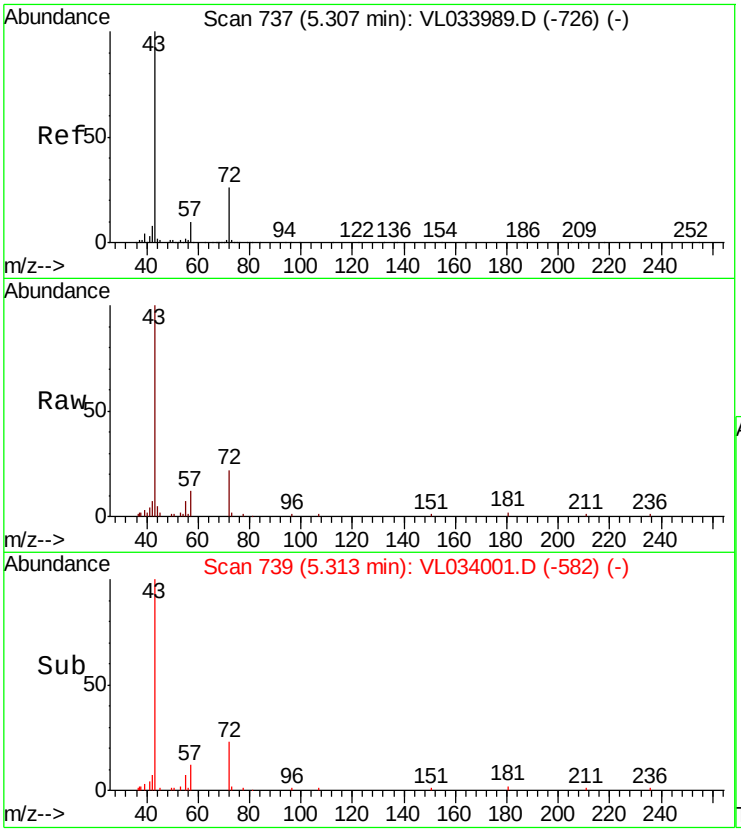


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:114 Resp: 2675226

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.5	14.1	21.1



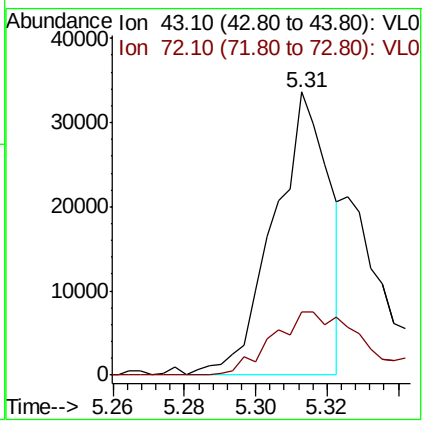


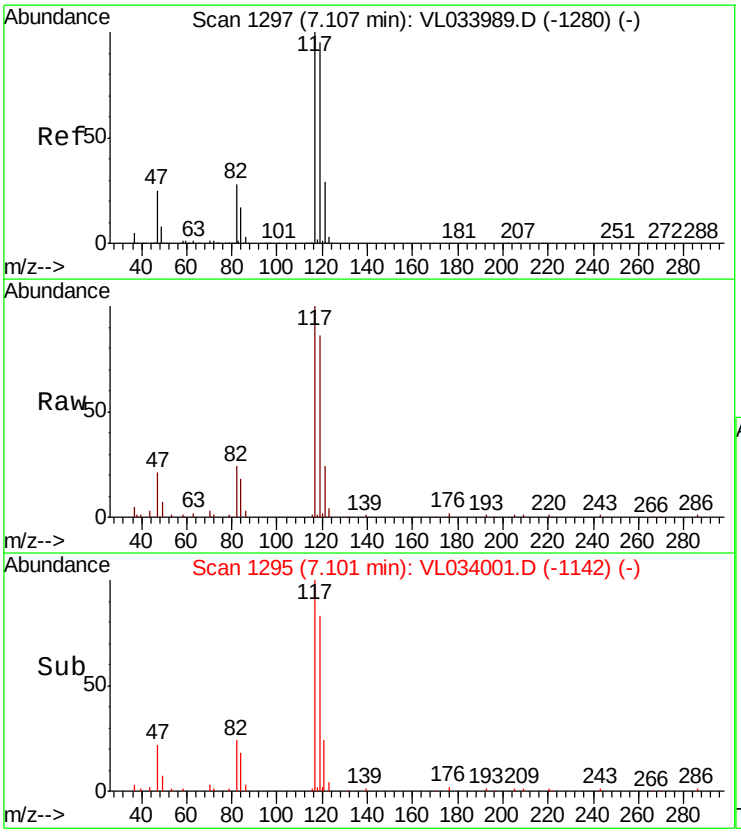
#34
2-Butanone
Concen: 0.255 ppbv
RT: 5.31 min Scan# 739
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 36171

Ion	Ratio	Lower	Upper
43	100		
72	39.0	19.9	29.9#

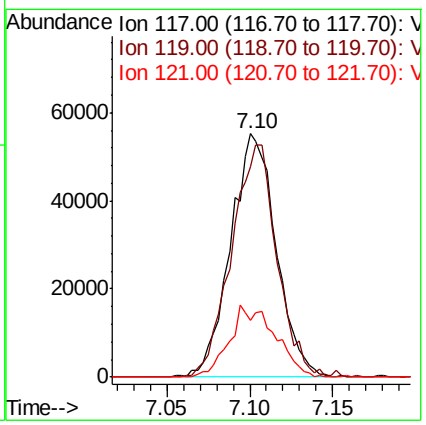


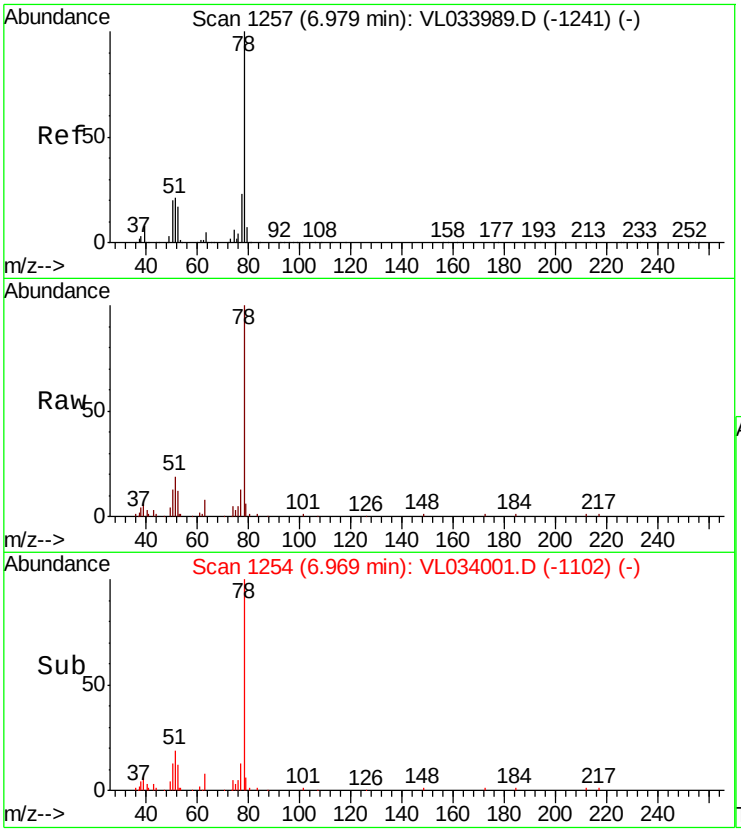


#35
Carbon Tetrachloride
Concen: 0.498 ppbv
RT: 7.10 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:117 Resp: 105570

Ion	Ratio	Lower	Upper
117	100		
119	85.6	75.8	113.6
121	23.5	23.4	35.2



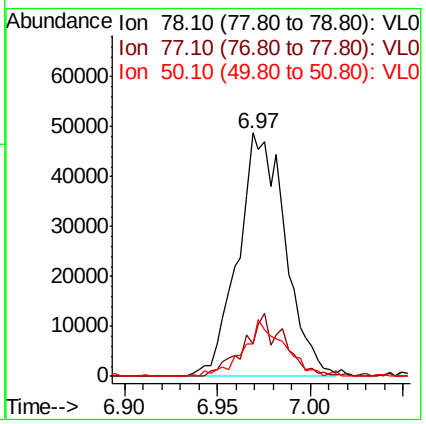


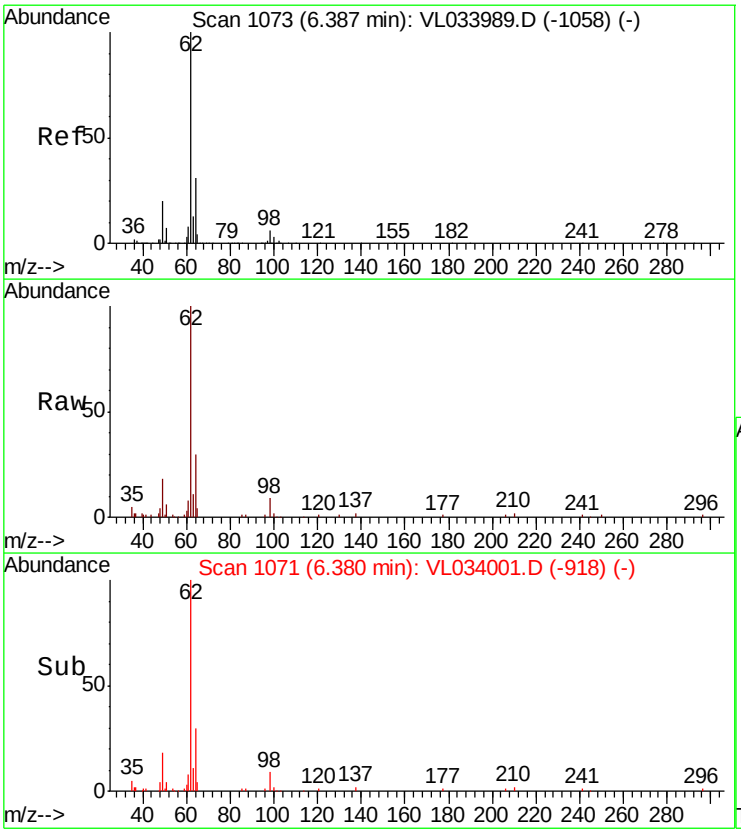
#36
Benzene
Concen: 0.413 ppbv
RT: 6.97 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 86491

Ion	Ratio	Lower	Upper
78	100		
77	13.5	18.7	28.1#
50	13.1	16.2	24.2#

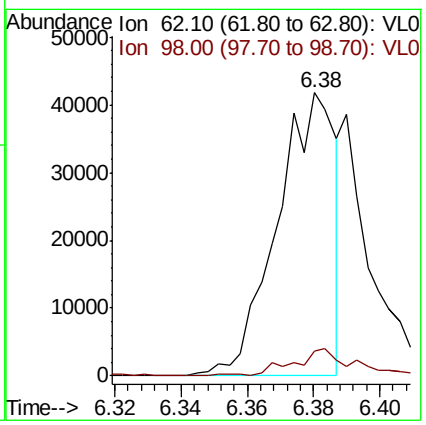


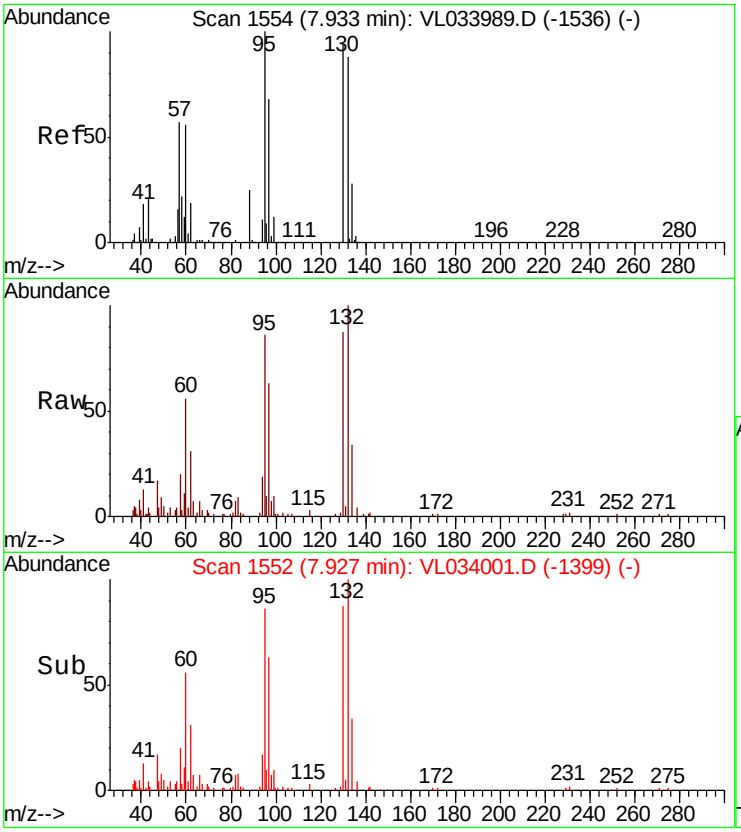


#37
1,2-Dichloroethane
Concen: 0.331 ppbv
RT: 6.38 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 62 Resp: 51051

Ion	Ratio	Lower	Upper
62	100		
98	10.1	4.4	6.6#



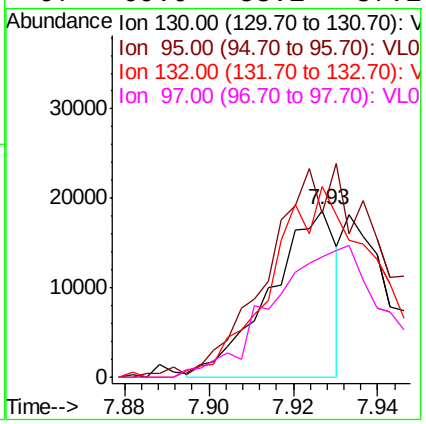


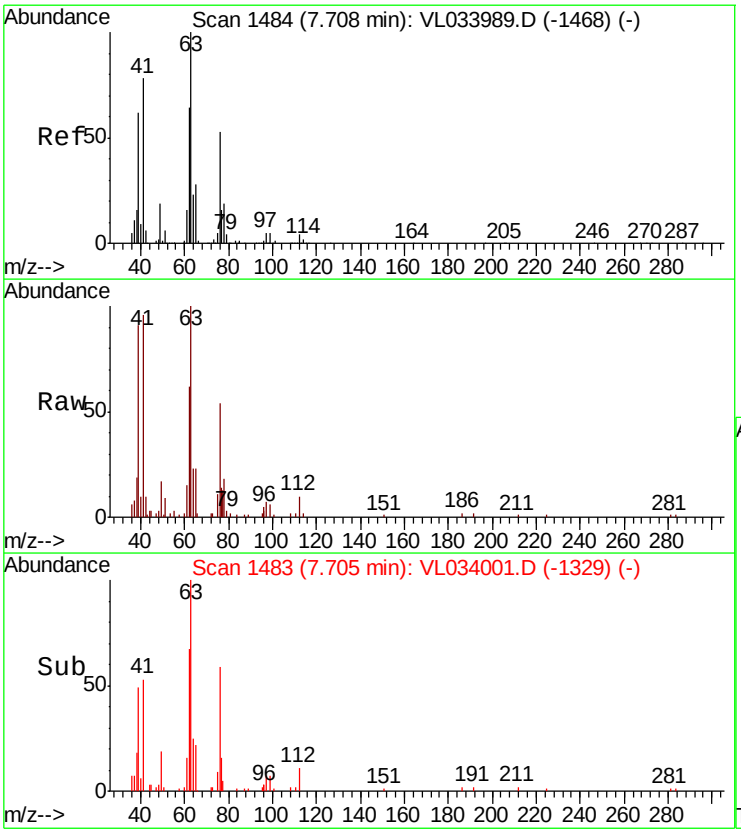
#38
Trichloroethene
Concen: 0.217 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 20226

Ion	Ratio	Lower	Upper
130	100		
95	98.6	85.5	128.3
132	113.1	75.1	112.7#
97	69.0	58.1	87.1

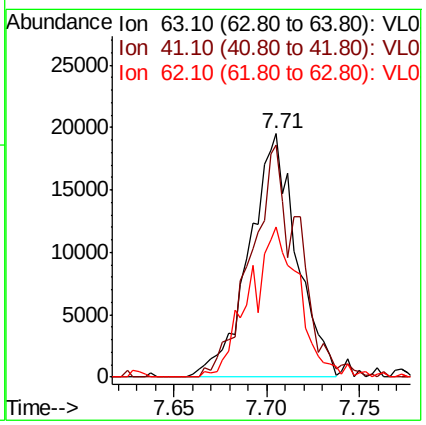


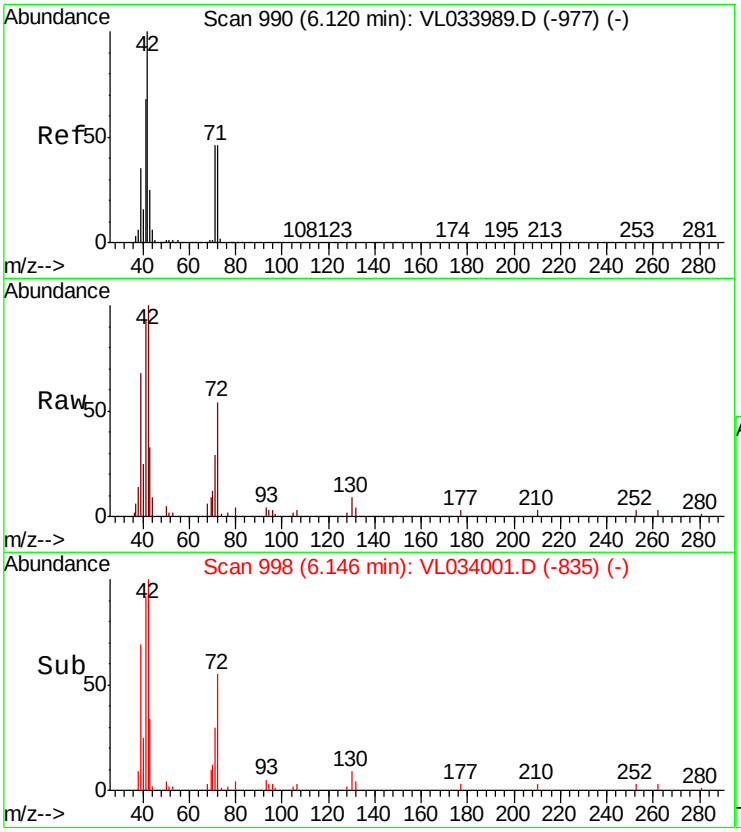


#39
1,2-Dichloropropane
Concen: 0.448 ppbv
RT: 7.71 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 63 Resp: 34843

Ion	Ratio	Lower	Upper
63	100		
41	95.6	62.3	93.5#
62	61.8	51.4	77.2



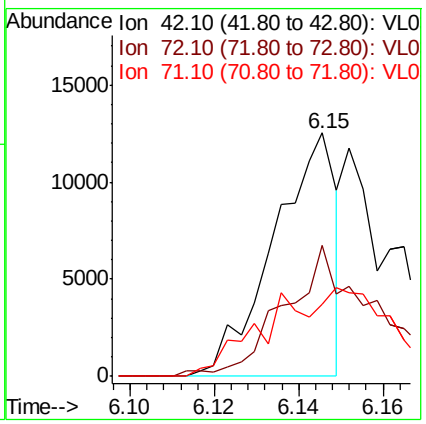


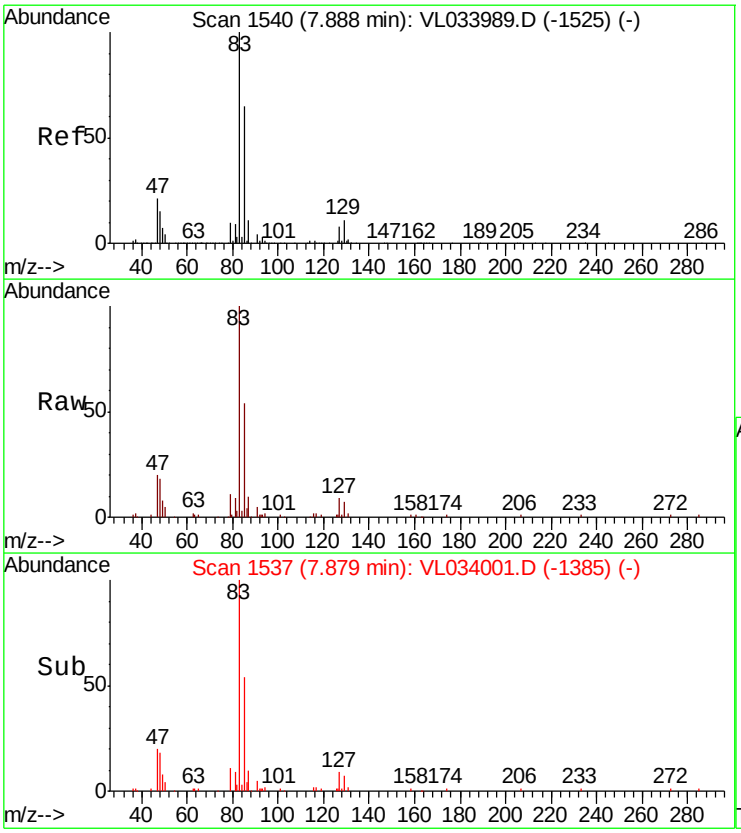
#41
Tetrahydrofuran
Concen: 0.185 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.03 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 12880

Ion	Ratio	Lower	Upper
42	100		
72	82.3	37.3	55.9#
71	0.0	36.2	54.2#

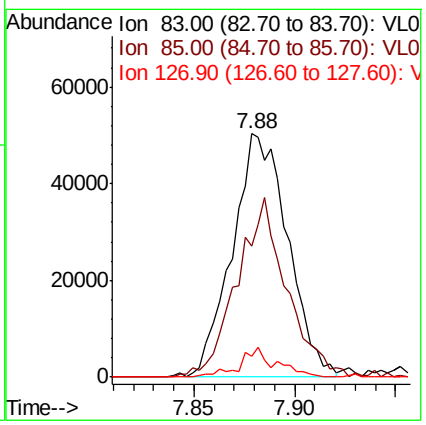


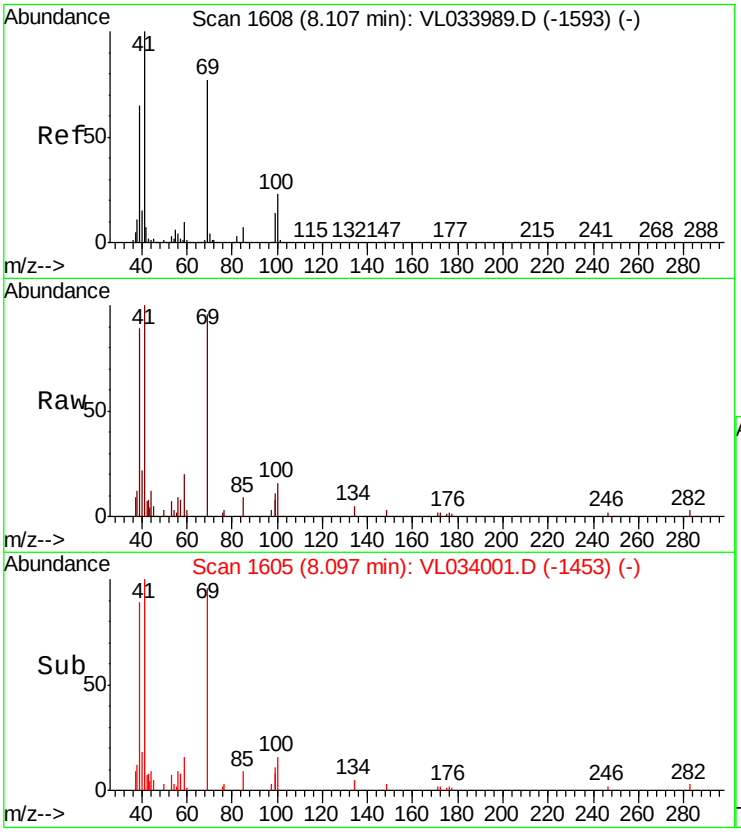


#42
Bromodichloromethane
Concen: 0.468 ppbv
RT: 7.88 min Scan# 1537
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 83 Resp: 96799

Ion	Ratio	Lower	Upper
83	100		
85	52.7	51.8	77.8
127	8.6	6.5	9.7



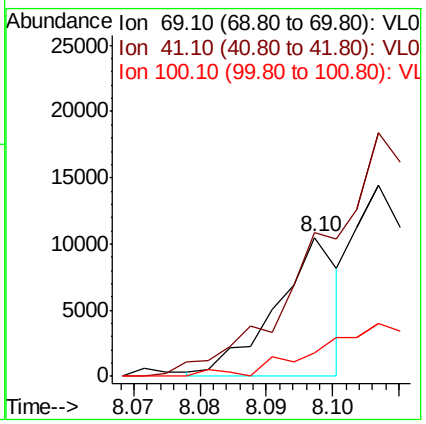


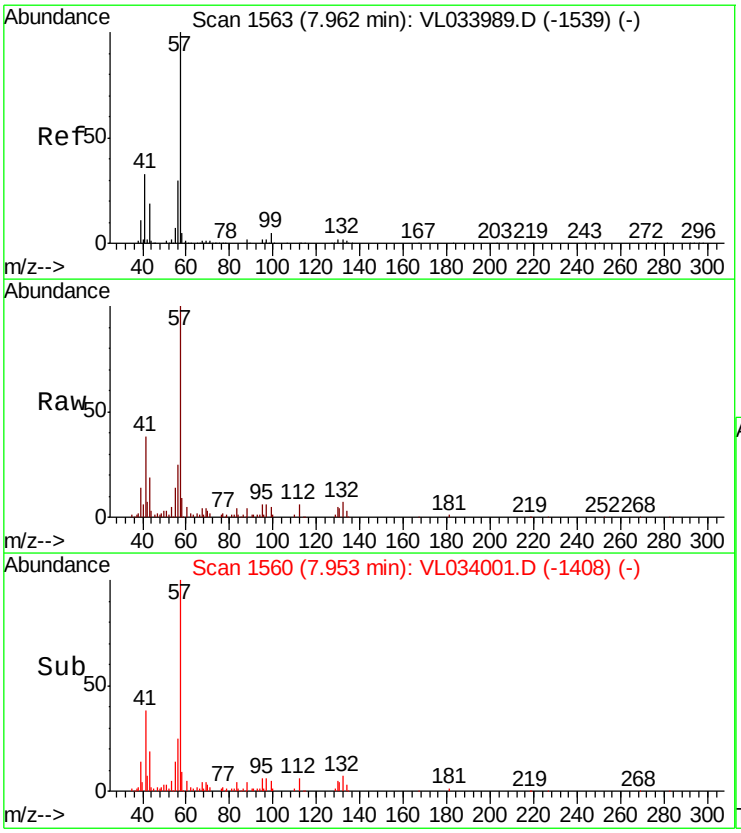
#43
Methyl Methacrylate
Concen: 0.086 ppbv
RT: 8.10 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 6845

Ion	Ratio	Lower	Upper
69	100		
41	0.0	109.1	163.7#
100	0.0	25.3	37.9#

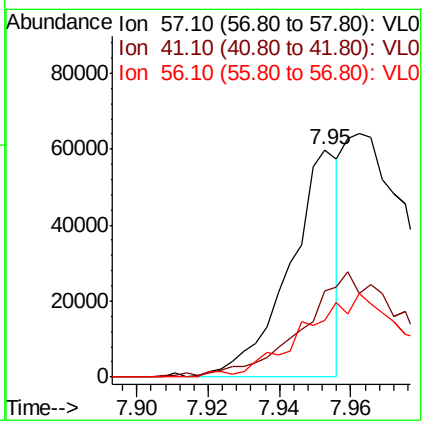


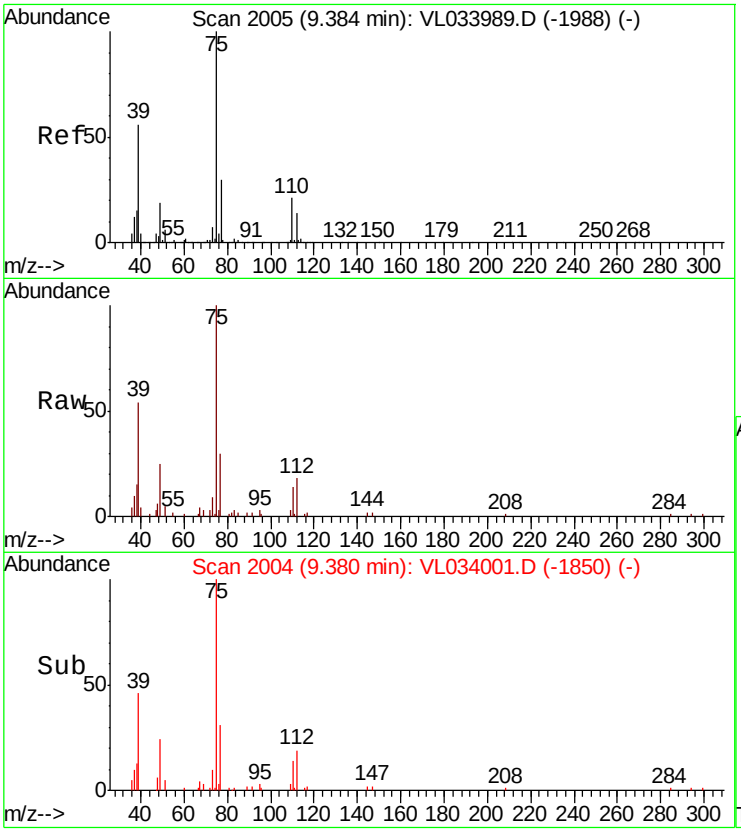


#44
2,2,4-Trimethylpentane
Concen: 0.157 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 57 Resp: 56702

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	24.4	36.6#



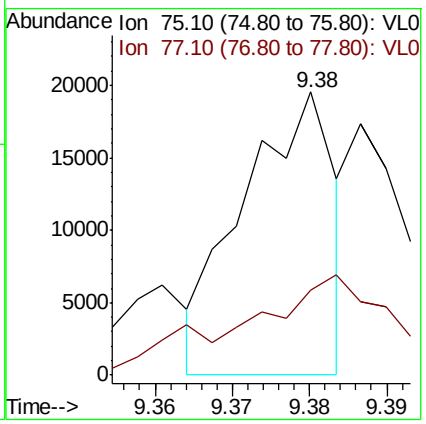


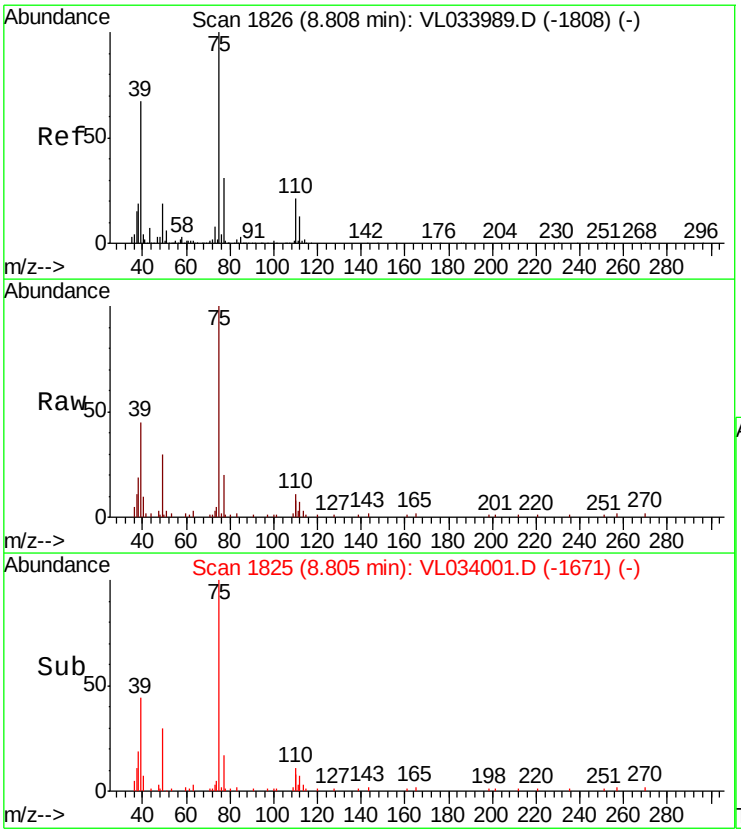
#45
t-1,3-Dichloropropene
Concen: 0.155 ppbv
RT: 9.38 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 16051

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.3	36.5

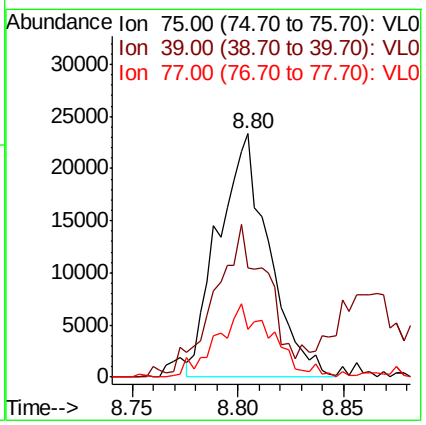


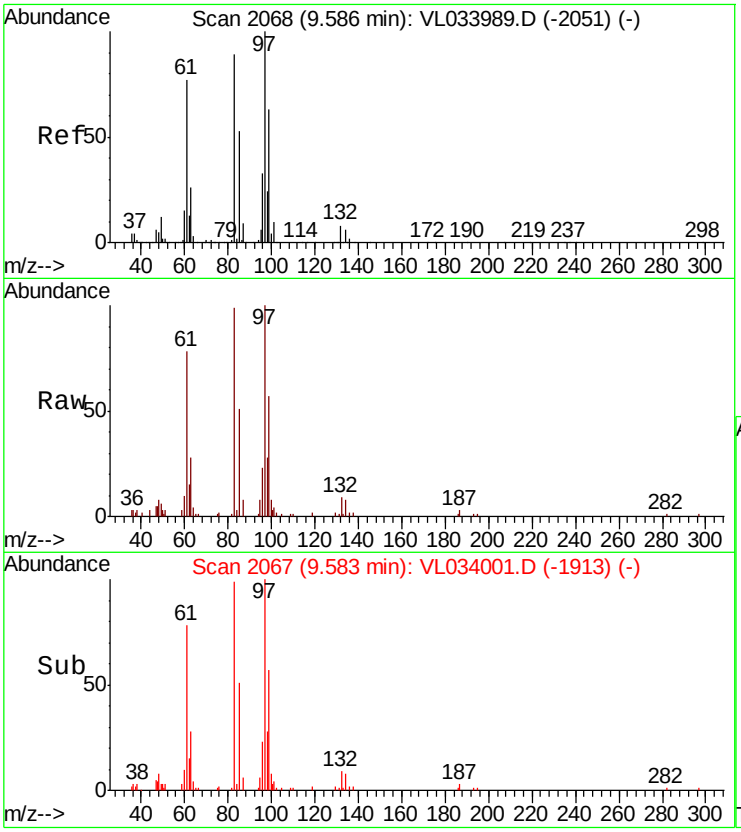


#46
cis-1,3-Dichloropropene
Concen: 0.325 ppbv
RT: 8.80 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 75 Resp: 39101

Ion	Ratio	Lower	Upper
75	100		
39	35.1	53.8	80.6#
77	20.0	24.5	36.7#



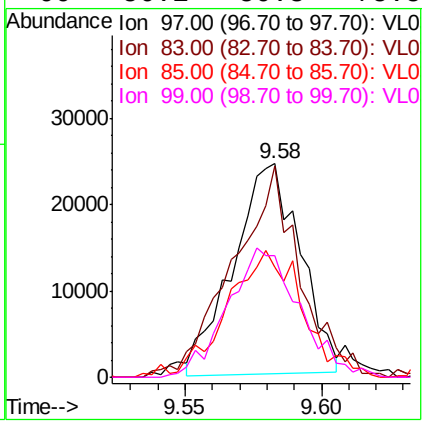


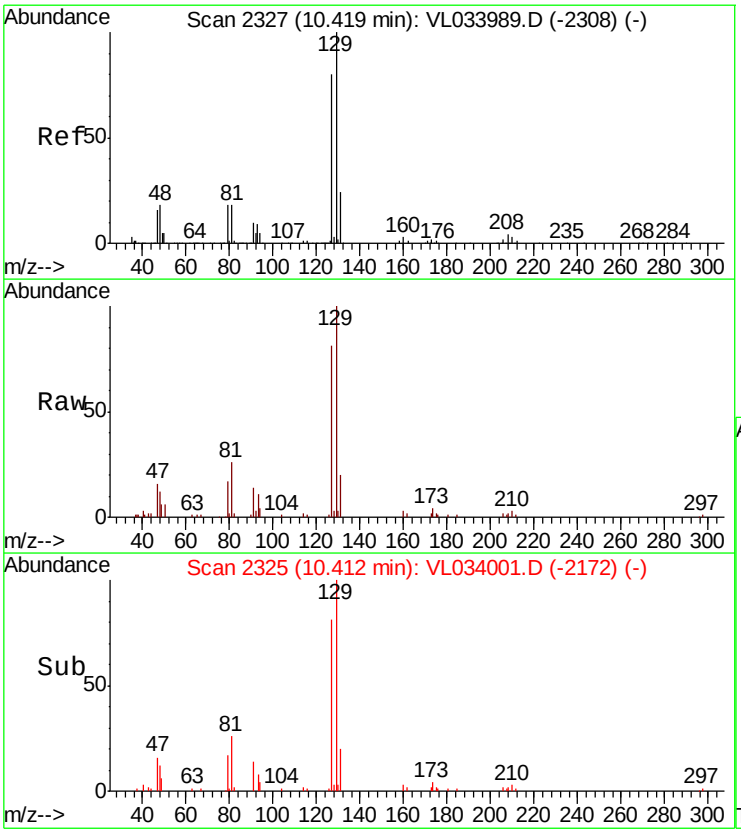
#47
1,1,2-Trichloroethane
Concen: 0.426 ppbv
RT: 9.58 min Scan# 2067
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 41737

Ion	Ratio	Lower	Upper
97	100		
83	92.7	71.1	106.7
85	45.7	42.6	64.0
99	56.1	50.3	75.5

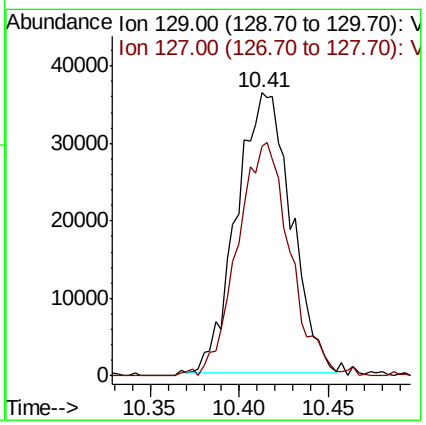


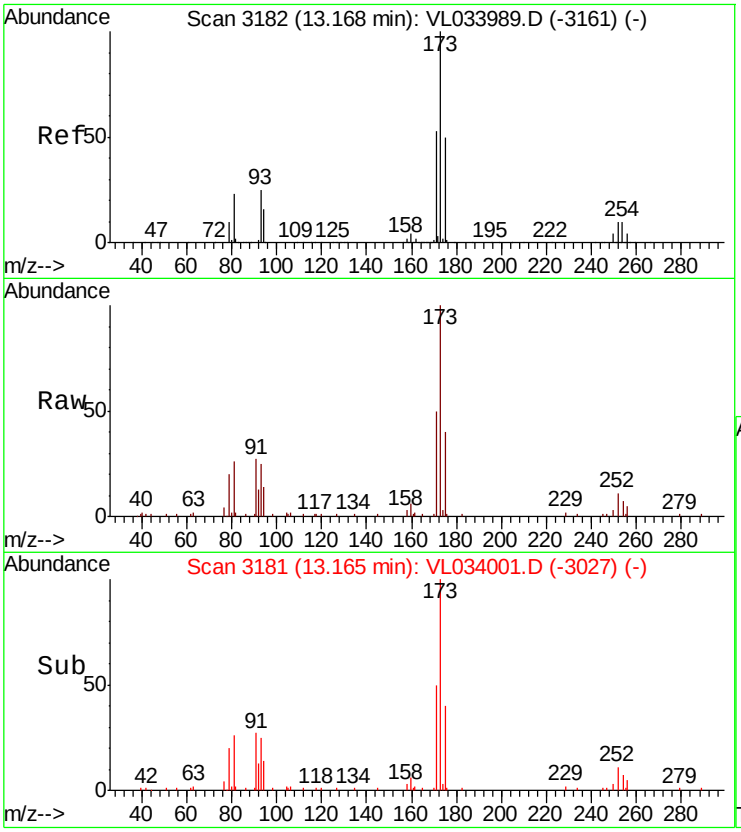


#48
Dibromochloromethane
Concen: 0.414 ppbv
RT: 10.41 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:129 Resp: 77396

Ion	Ratio	Lower	Upper
129	100		
127	80.7	39.1	117.3



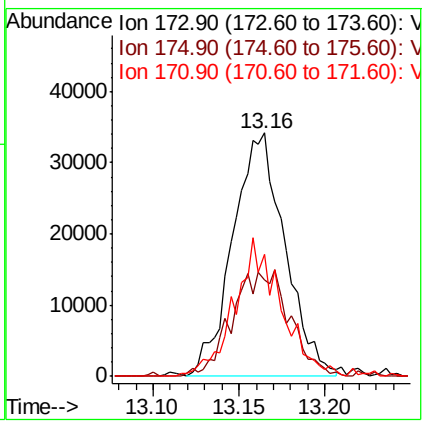


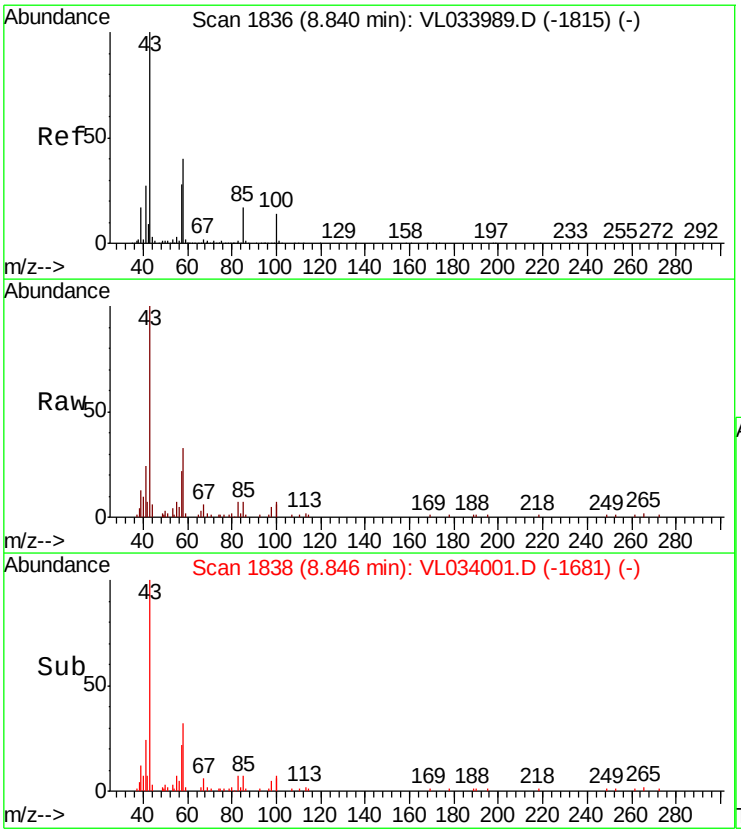
#49
Bromoform
Concen: 0.451 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 71946

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.3	58.9
171	51.3	41.4	62.0

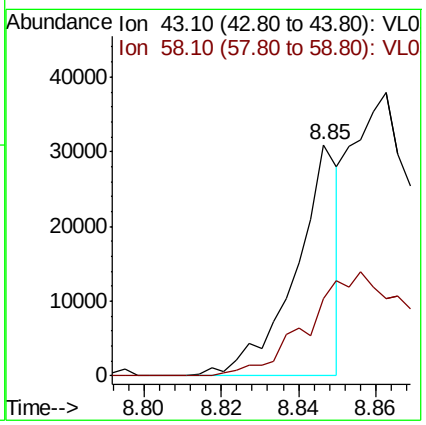


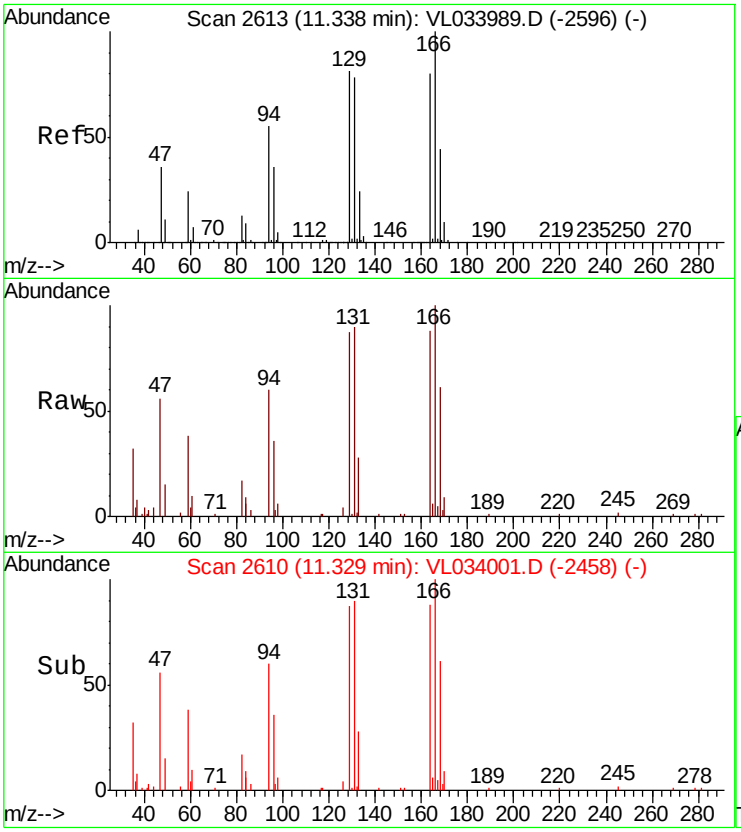


#50
4-Methyl-2-Pentanone
Concen: 0.114 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 43 Resp: 23983

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.3	45.5#



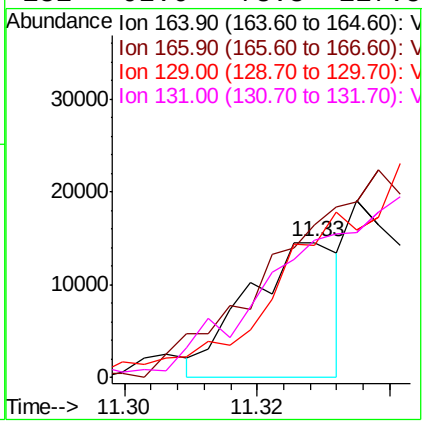


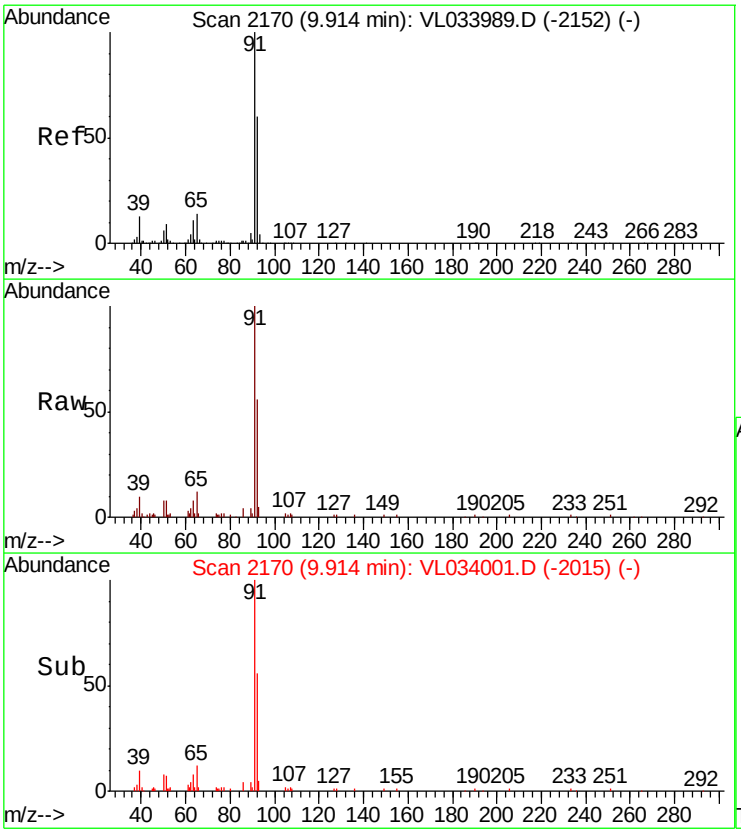
#52
Tetrachloroethene
Concen: 0.154 ppbv
RT: 11.33 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 13892

Ion	Ratio	Lower	Upper
164	100		
166	93.9	100.2	150.2#
129	94.5	81.0	121.6
131	92.6	78.3	117.5

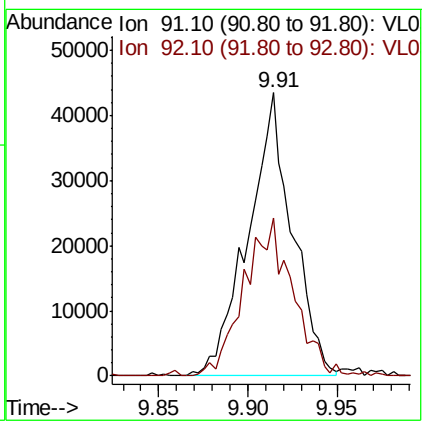


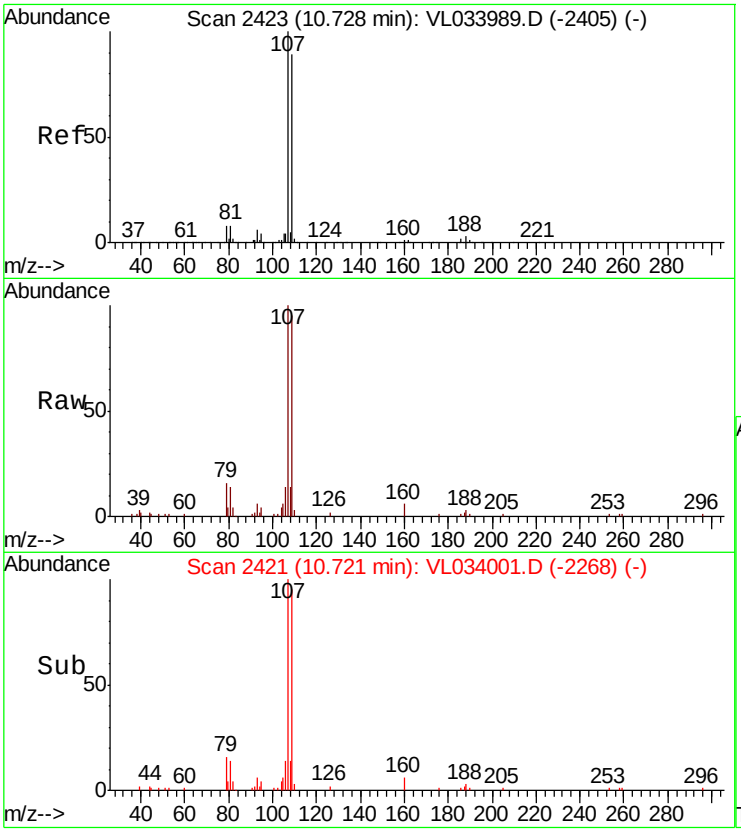


#53
Toluene
Concen: 0.314 ppbv
RT: 9.91 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 91 Resp: 75245

Ion	Ratio	Lower	Upper
91	100		
92	61.8	47.7	71.5



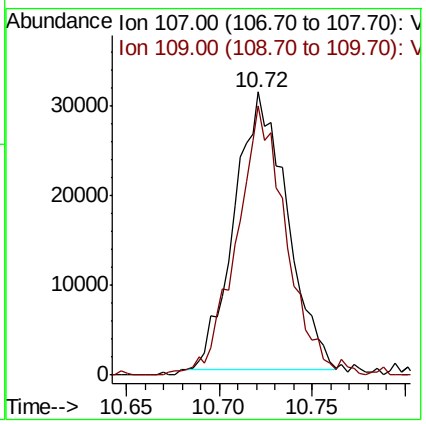


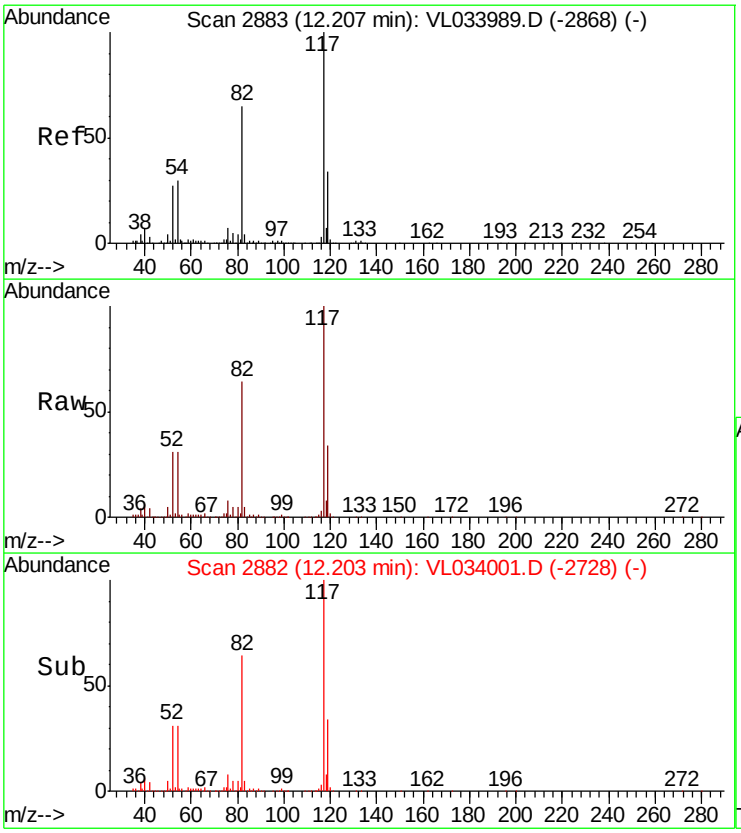
#54
1,2-Dibromoethane
Concen: 0.421 ppbv
RT: 10.72 min Scan# 2421
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 60825

Ion	Ratio	Lower	Upper
107	100		
109	95.2	71.5	107.3

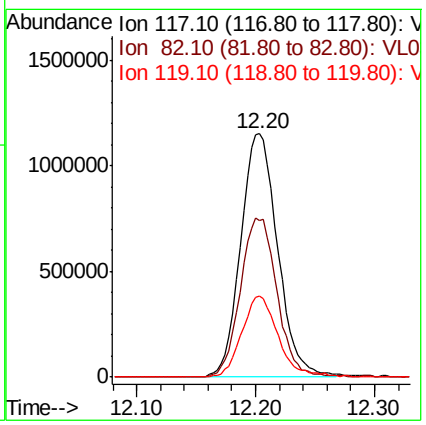


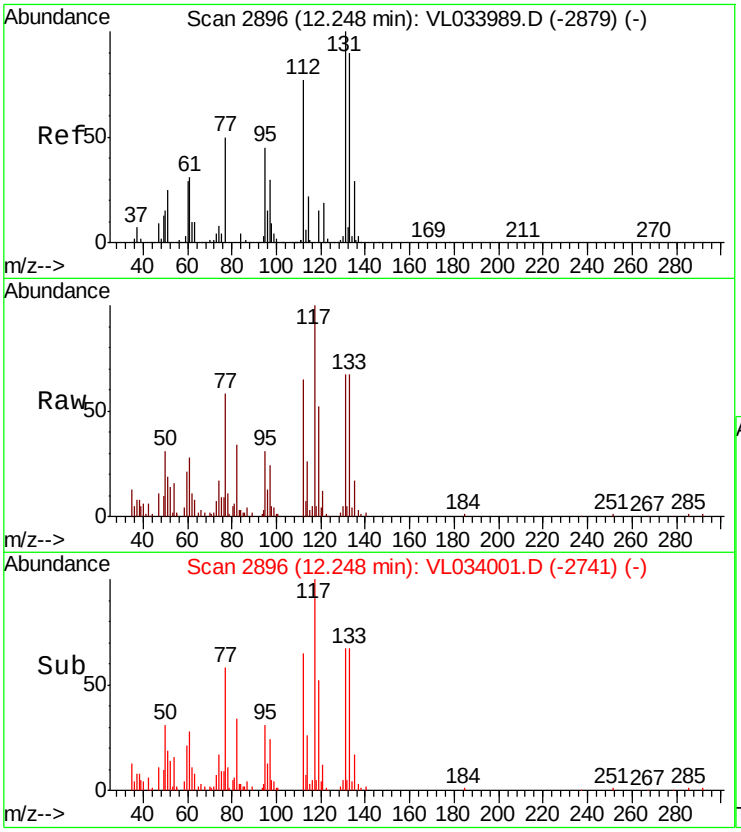


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:117 Resp: 2474007

Ion	Ratio	Lower	Upper
117	100		
82	65.6	50.8	76.2
119	33.3	24.0	36.0



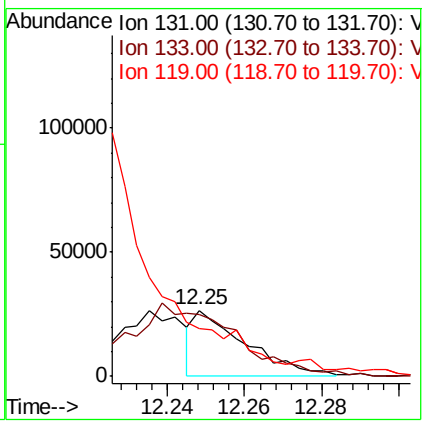


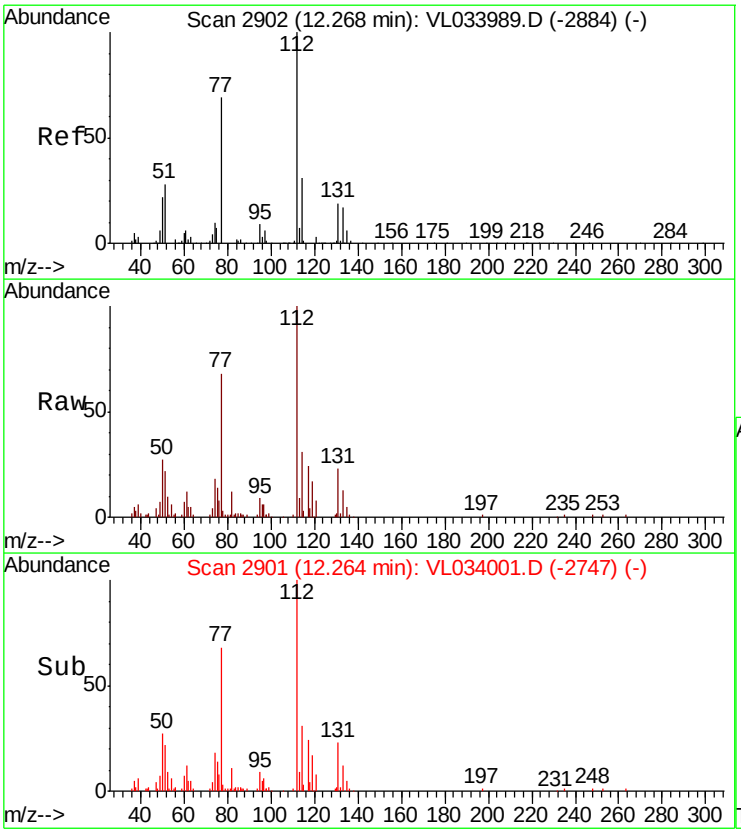
#56
1,1,1,2-Tetrachloroethane
Concen: 0.221 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 24431

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	0.0	43.1	64.7#

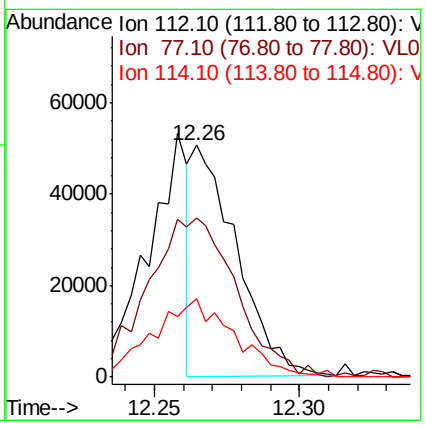


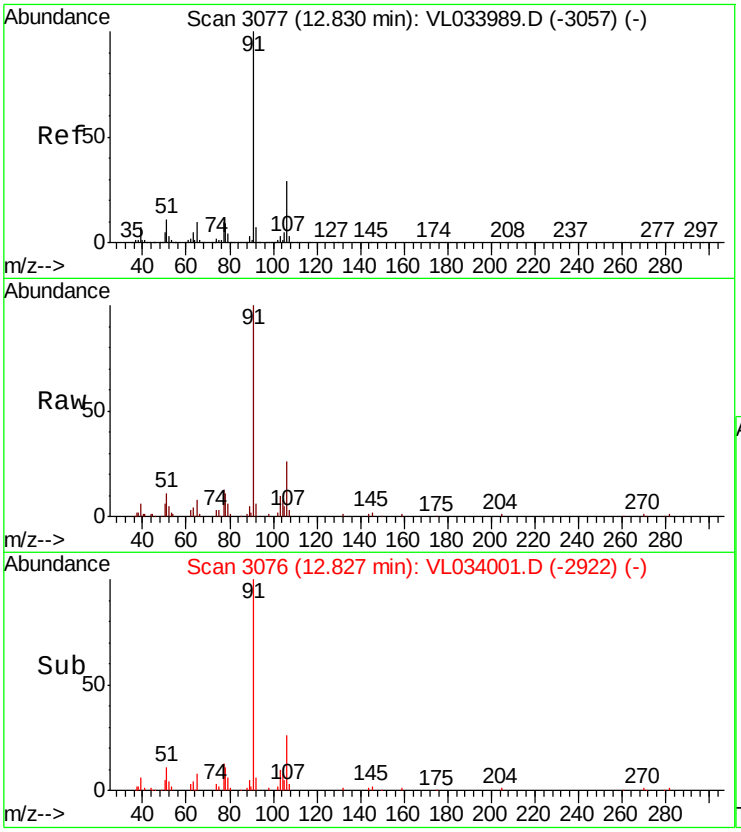


#57
Chlorobenzene
Concen: 0.270 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:112 Resp: 53234

Ion	Ratio	Lower	Upper
112	100		
77	68.2	55.9	83.9
114	34.0	27.6	33.8#



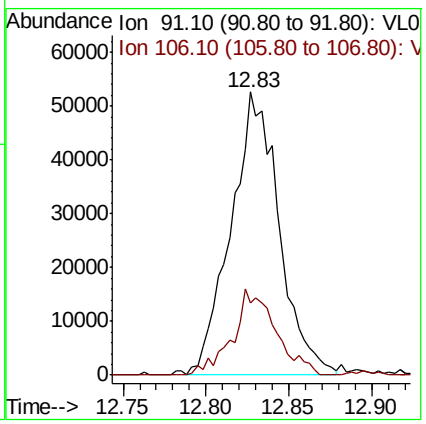


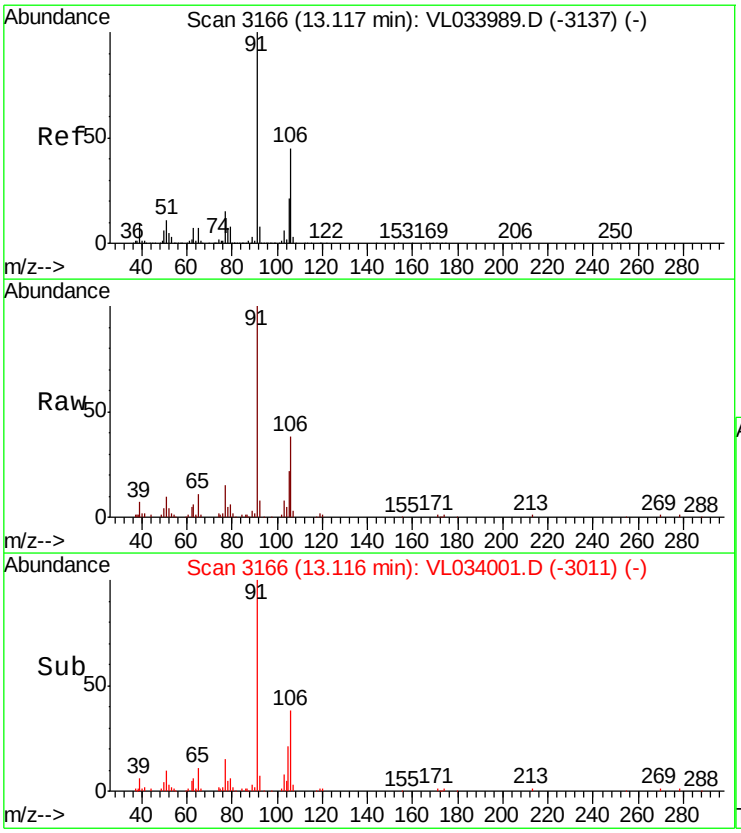
#58
Ethyl Benzene
Concen: 0.358 ppbv
RT: 12.83 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 106375

Ion	Ratio	Lower	Upper
91	100		
106	25.6	23.3	34.9

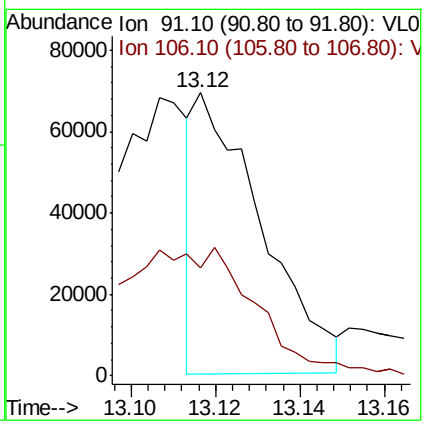


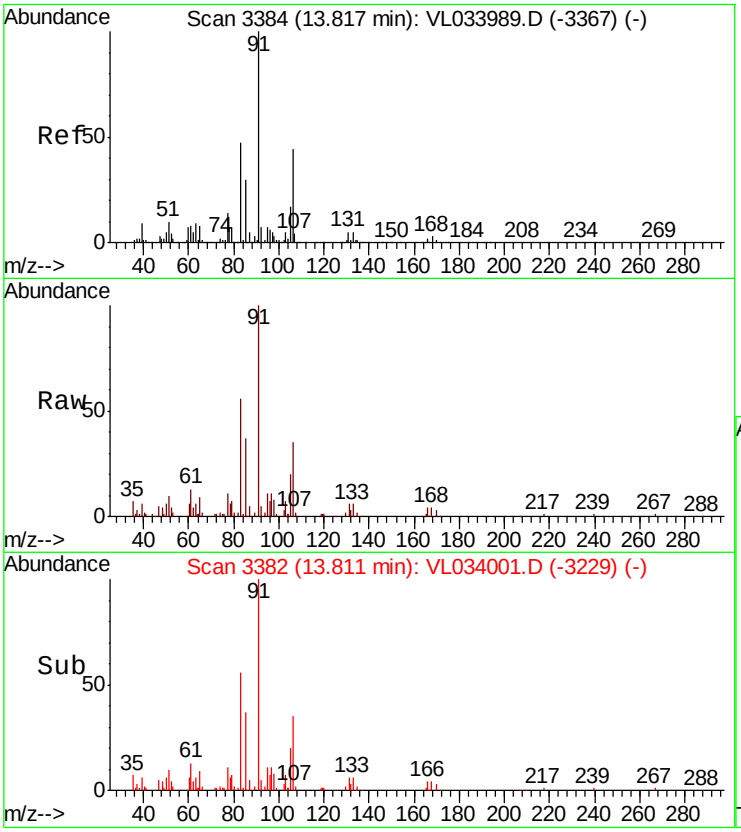


#59
m/p-Xylene
Concen: 0.281 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 91 Resp: 75606

Ion	Ratio	Lower	Upper
91	100		
106	132.7	35.7	53.5#



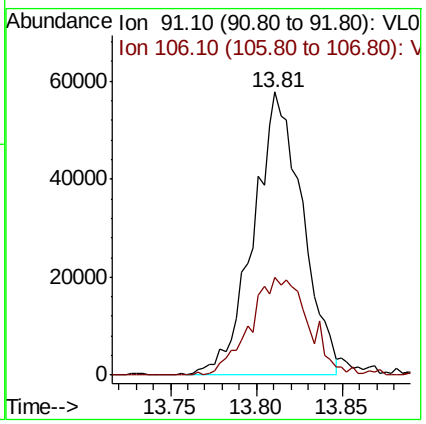


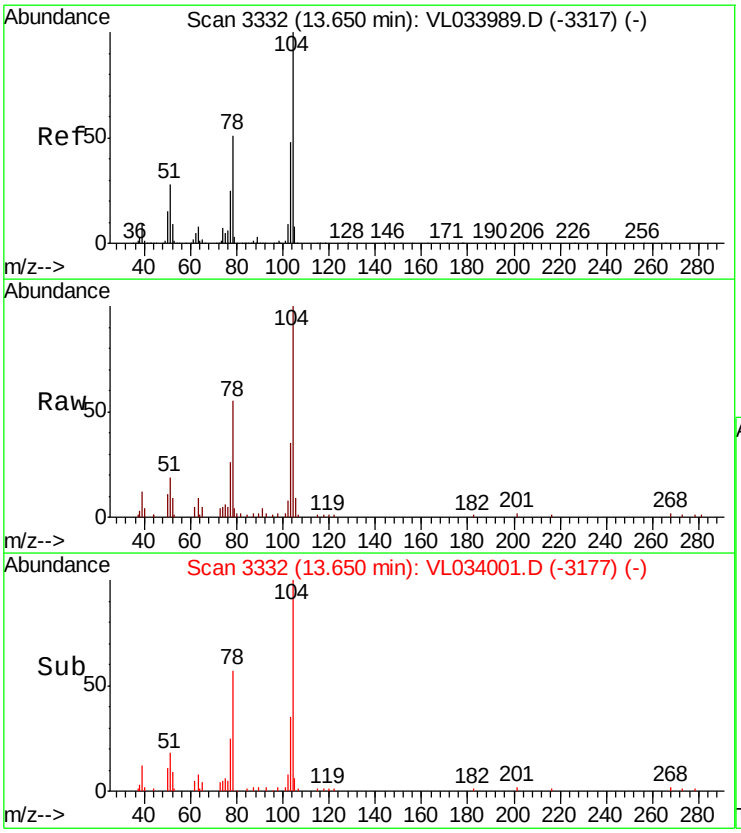
#60
o-Xylene
Concen: 0.424 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 114333

Ion	Ratio	Lower	Upper
91	100		
106	41.1	21.9	65.7

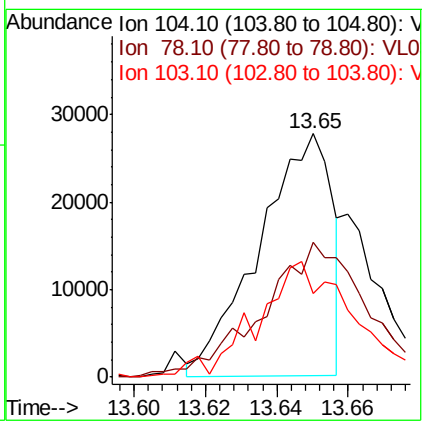


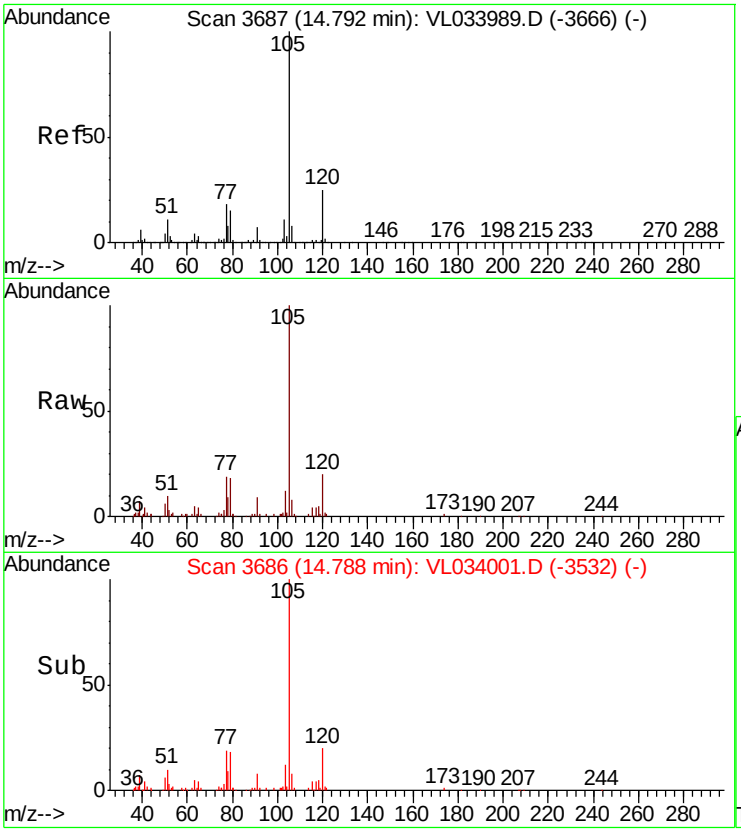


#61
Styrene
Concen: 0.220 ppbv
RT: 13.65 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:104 Resp: 39227

Ion	Ratio	Lower	Upper
104	100		
78	80.5	43.9	65.9#
103	66.2	38.1	57.1#



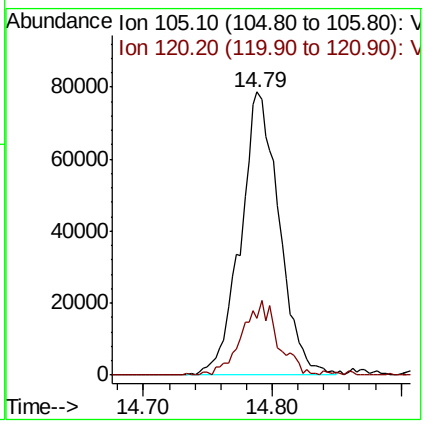


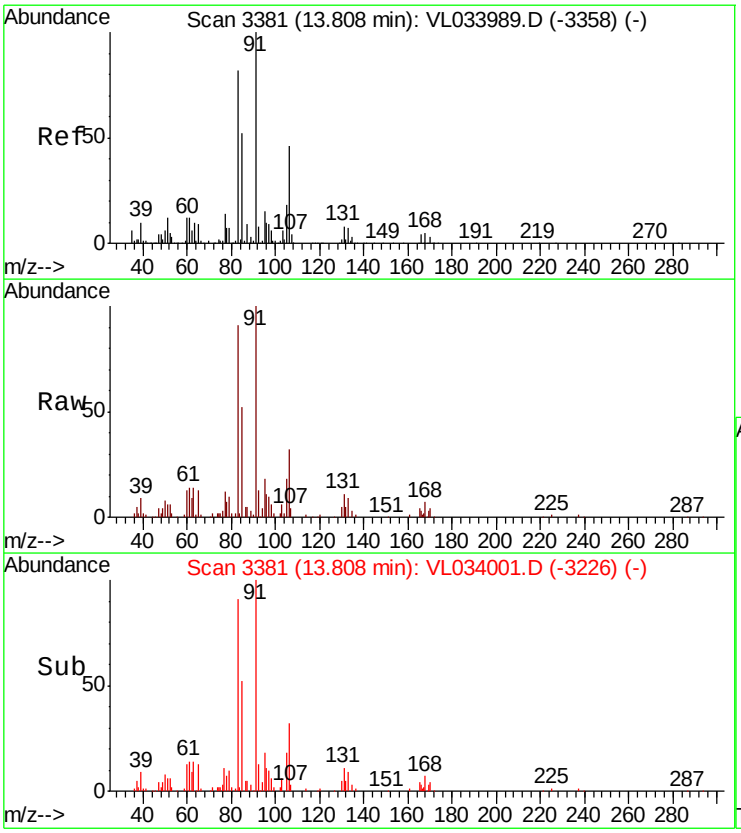
#62
Isopropylbenzene
Concen: 0.395 ppbv
RT: 14.79 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 163533

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.4	30.6

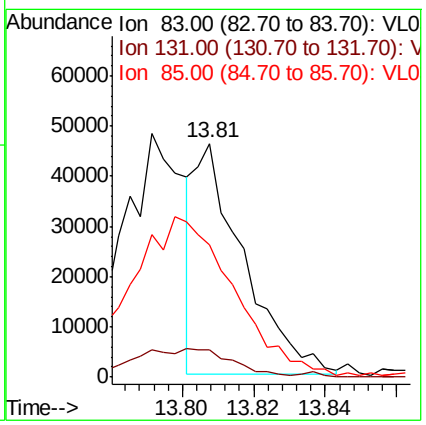


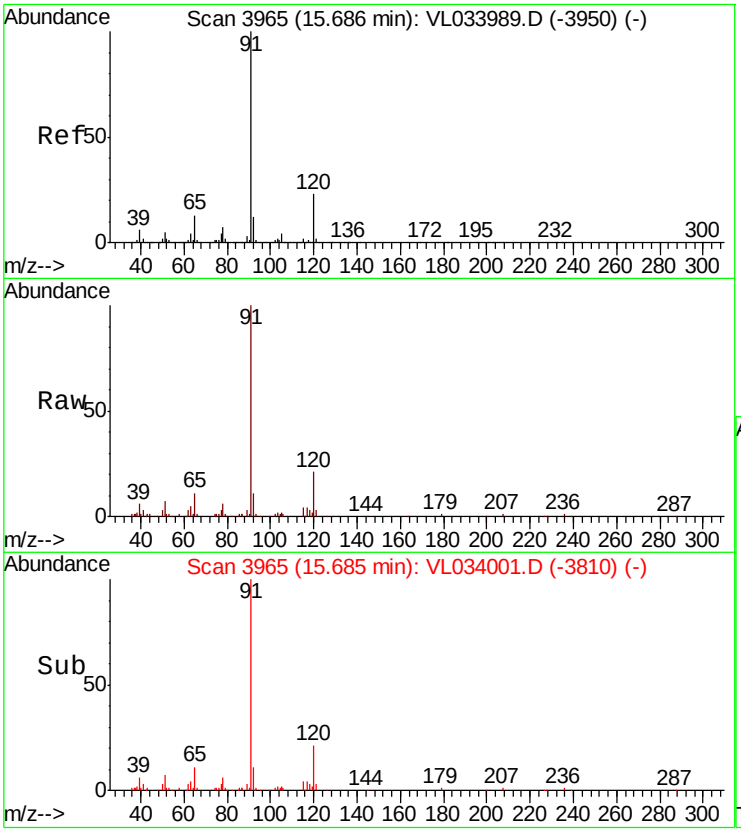


#63
1,1,2,2-Tetrachloroethane
Concen: 0.209 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 83 Resp: 43494

Ion	Ratio	Lower	Upper
83	100		
131	28.0	5.0	14.9#
85	156.9	32.8	98.3#



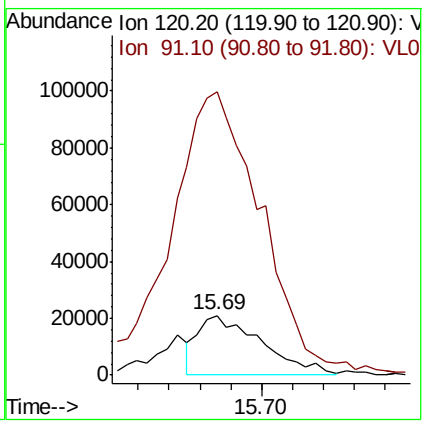


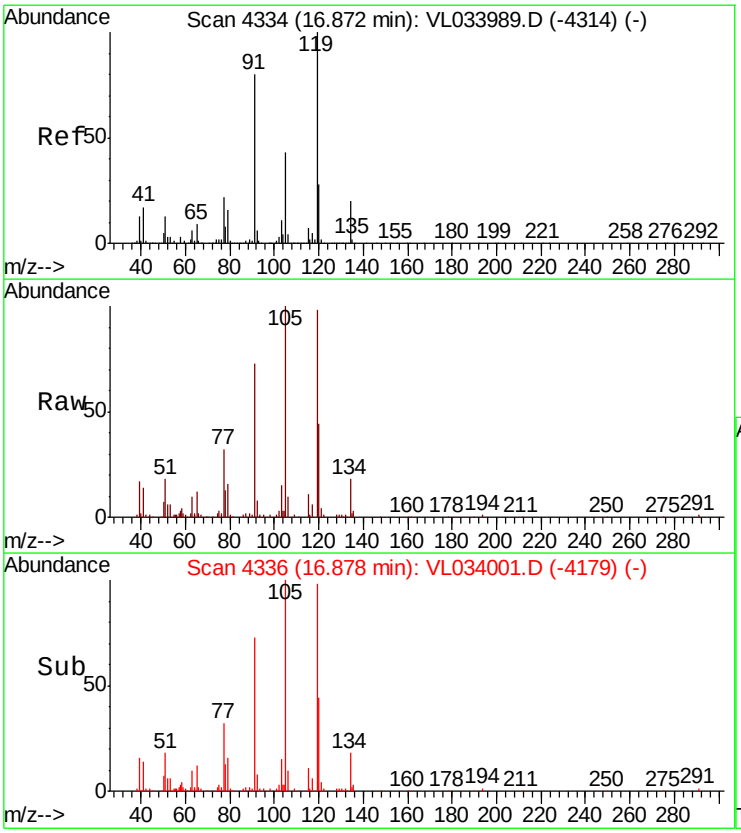
#64
n-propylbenzene
Concen: 0.279 ppbv
RT: 15.69 min Scan# 3965
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 29993

Ion	Ratio	Lower	Upper
120	100		
91	686.0	386.6	579.8#

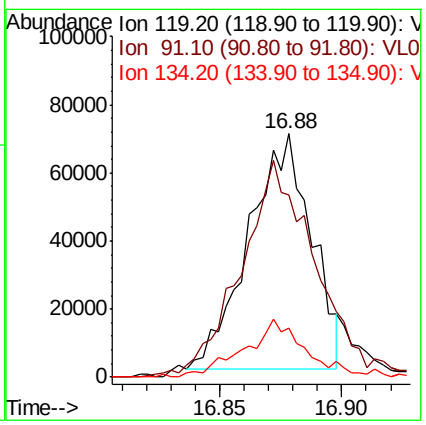


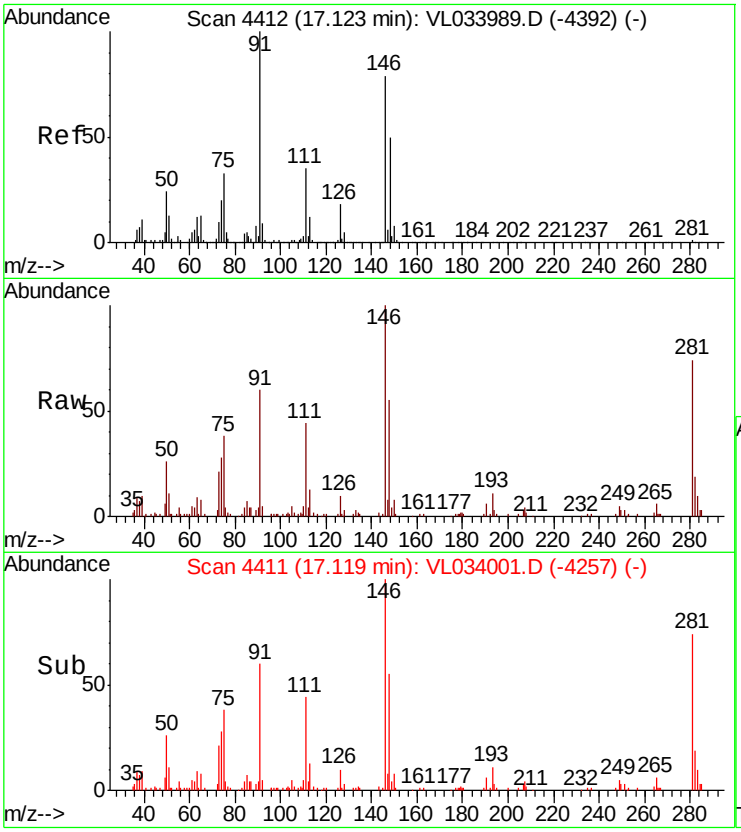


#65
tert-Butylbenzene
Concen: 0.349 ppbv
RT: 16.88 min Scan# 4336
Delta R.T. 0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:119 Resp: 123038

Ion	Ratio	Lower	Upper
119	100		
91	111.2	67.0	100.6#
134	25.1	15.8	23.6#



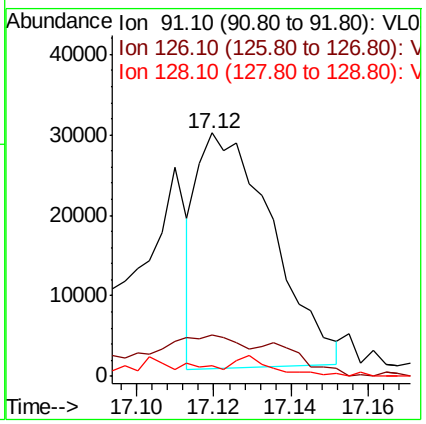


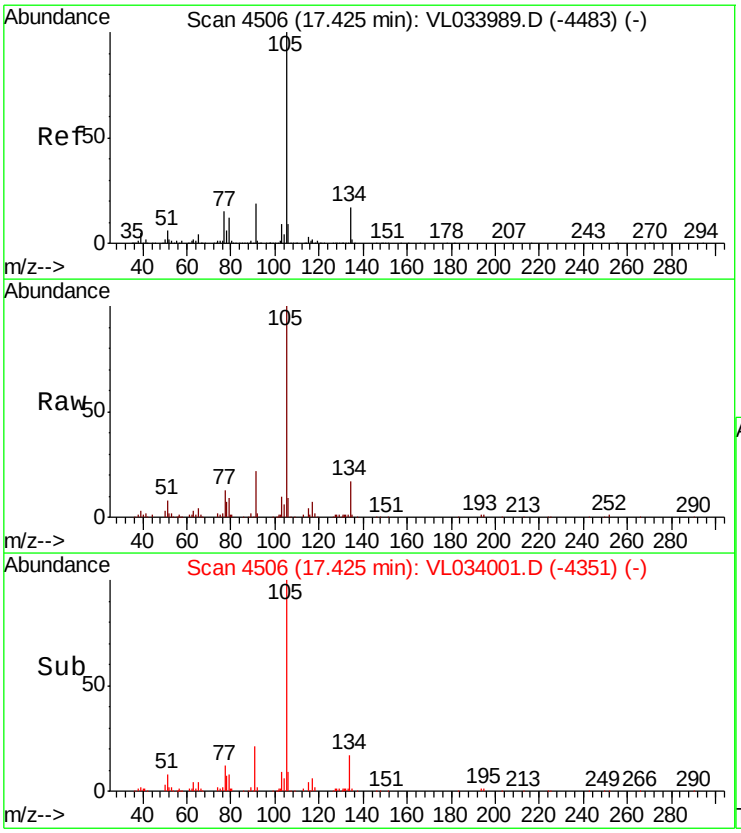
#66
Benzyl Chloride
Concen: 0.218 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 39227

Ion	Ratio	Lower	Upper
91	100		
126	35.1	13.9	20.9#
128	11.4	4.6	7.0#

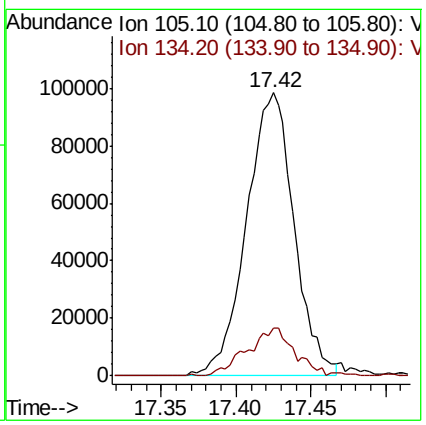


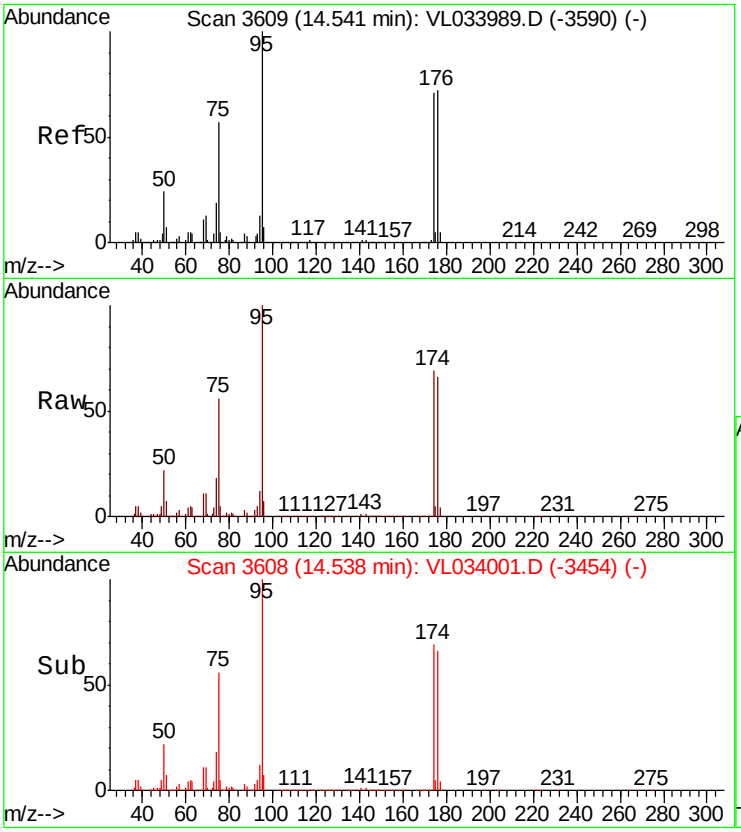


#67
sec-Butylbenzene
Concen: 0.440 ppbv
RT: 17.42 min Scan# 4506
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:105 Resp: 217606

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.7	22.1



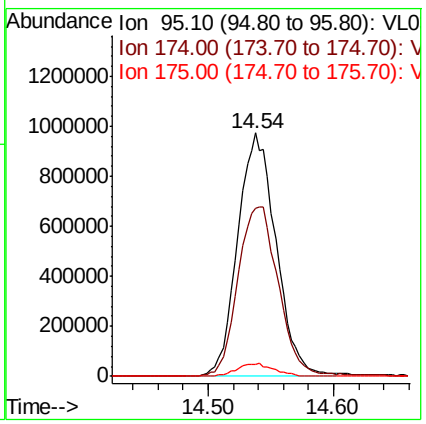


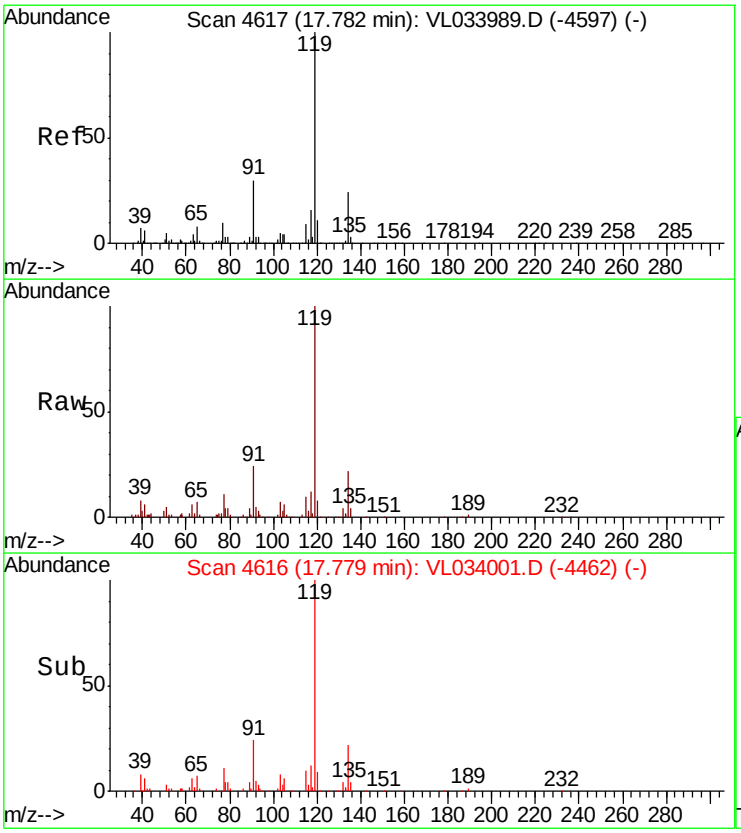
#68
1-Bromo-4-Fluorobenzene
Concen: 9.784 ppbv
RT: 14.54 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2064413

Ion	Ratio	Lower	Upper
95	100		
174	74.3	60.5	90.7
175	5.1	4.0	6.0

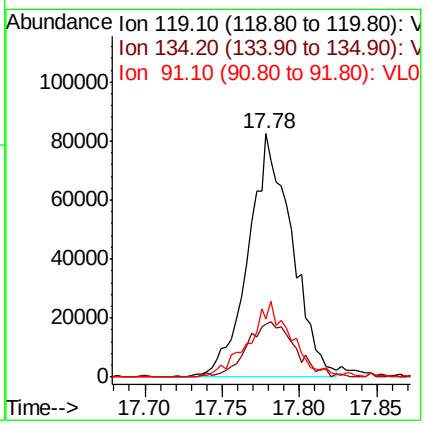


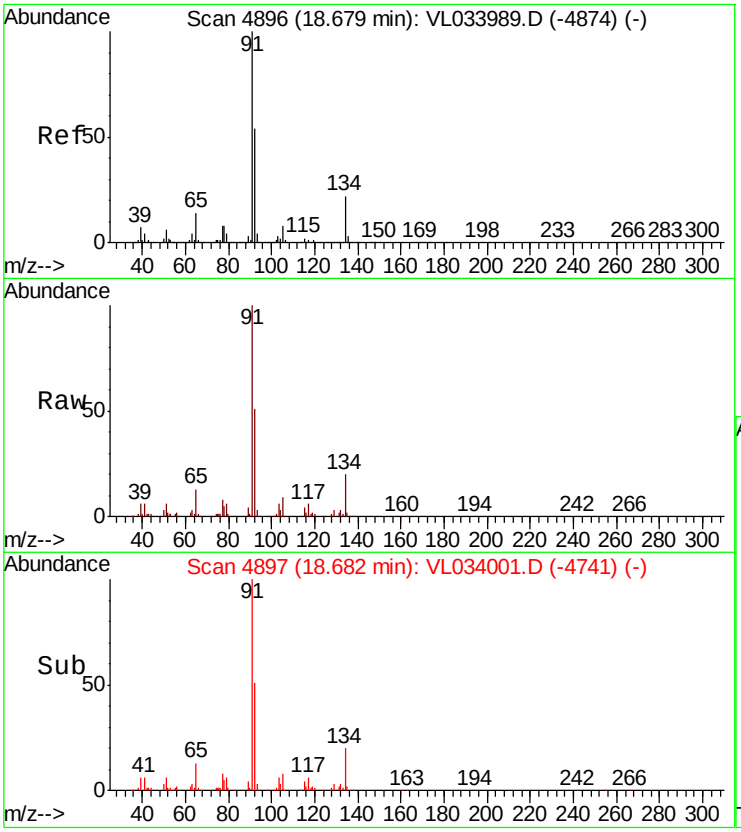


#69
p-Isopropyltoluene
Concen: 0.396 ppbv
RT: 17.78 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:119 Resp: 161333

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	30.4	23.6	35.4



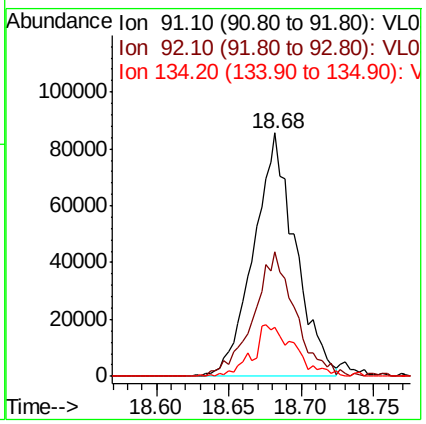


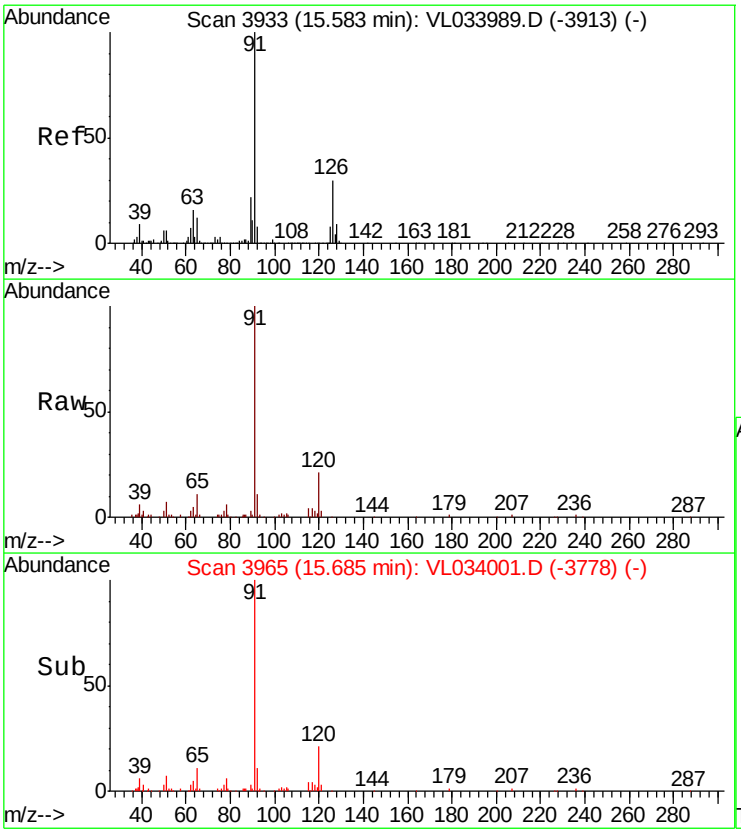
#70
n-Butylbenzene
Concen: 0.400 ppbv
RT: 18.68 min Scan# 4897
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 171203

Ion	Ratio	Lower	Upper
91	100		
92	51.9	42.0	63.0
134	21.4	17.9	26.9

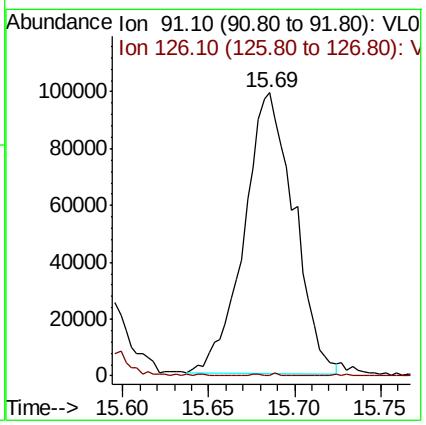


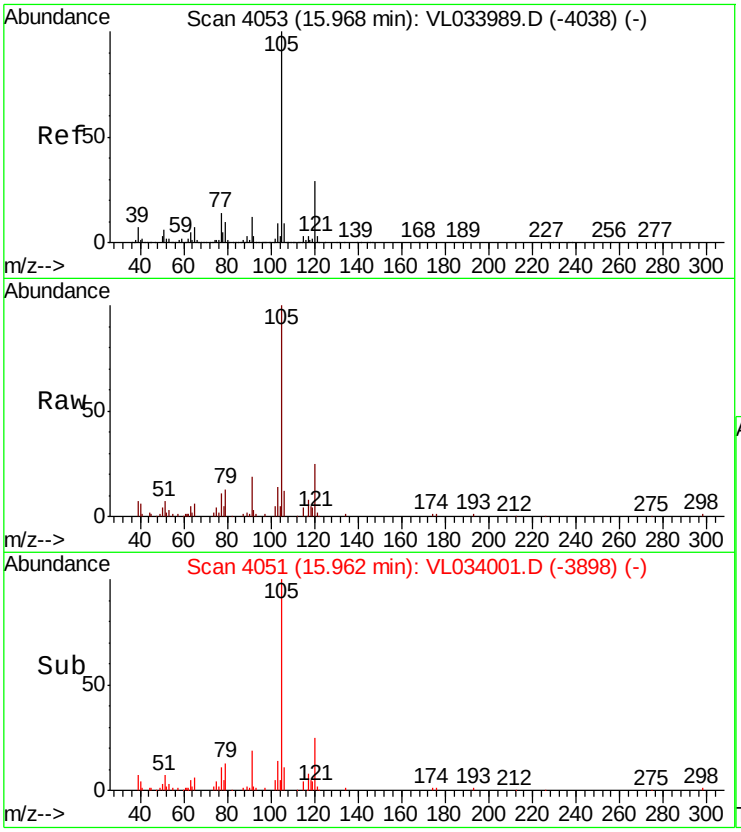


#71
2-Chlorotoluene
Concen: 0.655 ppbv
RT: 15.69 min Scan# 3965
Delta R.T. 0.10 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion: 91 Resp: 198700

Ion	Ratio	Lower	Upper
91	100		
126	15.4	12.3	49.3



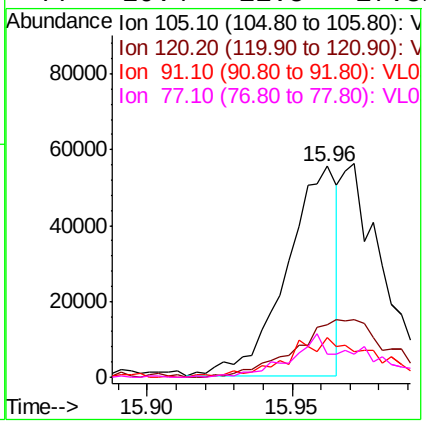


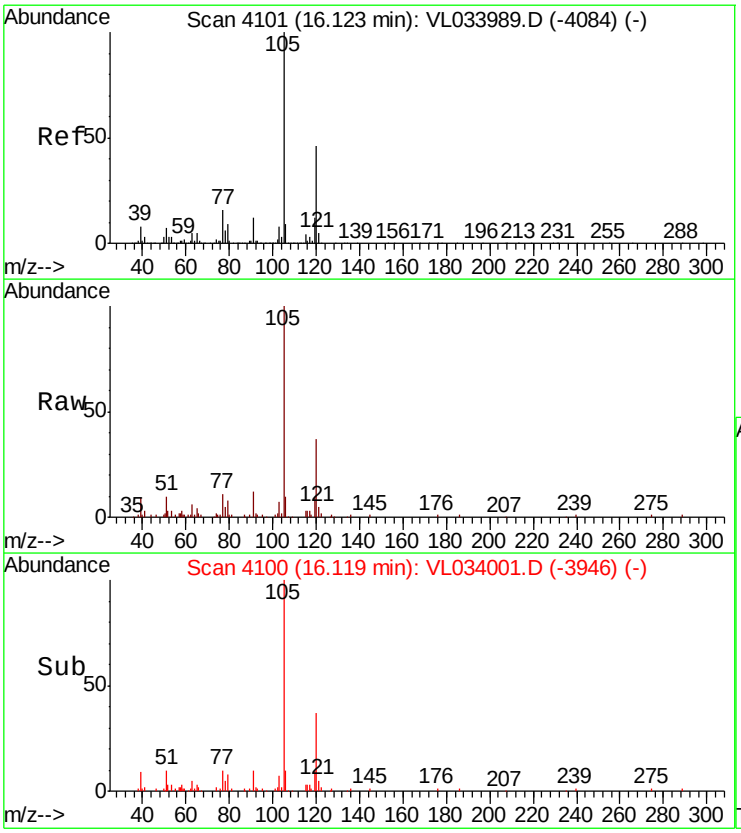
#72
4-Ethyltoluene
Concen: 0.193 ppbv
RT: 15.96 min Scan# 4051
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 66715

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.1	36.1#
91	30.9	10.6	16.0#
77	29.4	11.5	17.3#

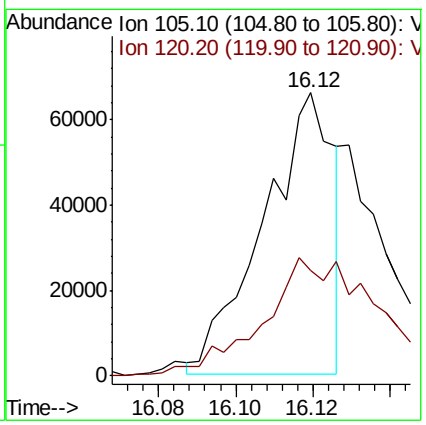


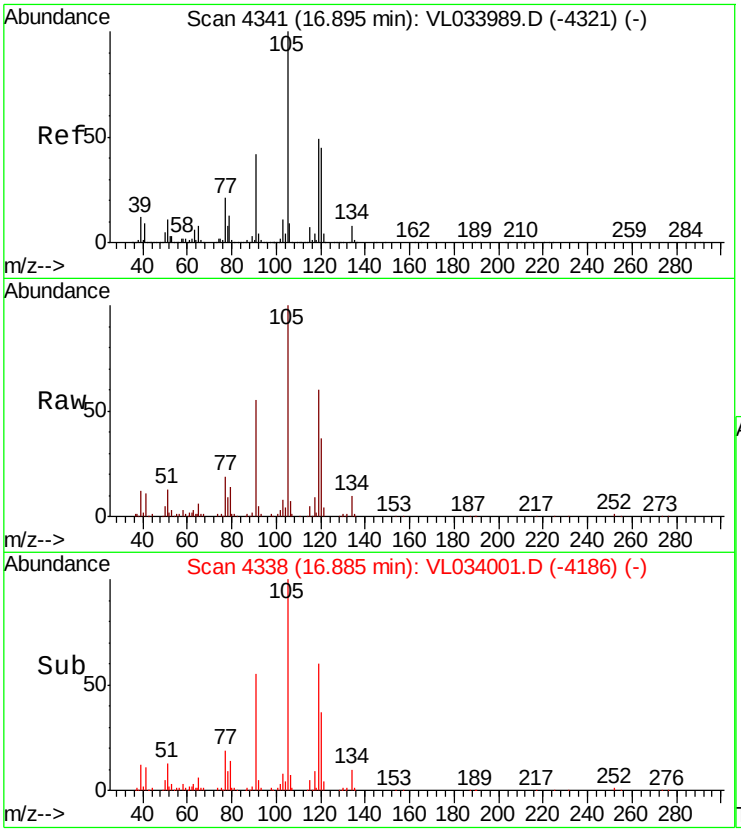


#73
1,3,5-Trimethylbenzene
Concen: 0.259 ppbv
RT: 16.12 min Scan# 4100
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:105 Resp: 83343

Ion	Ratio	Lower	Upper
105	100		
120	35.6	36.4	54.6#



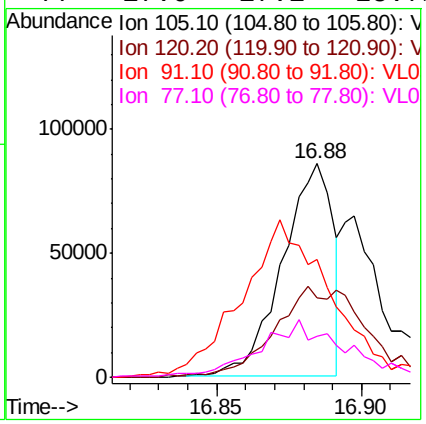


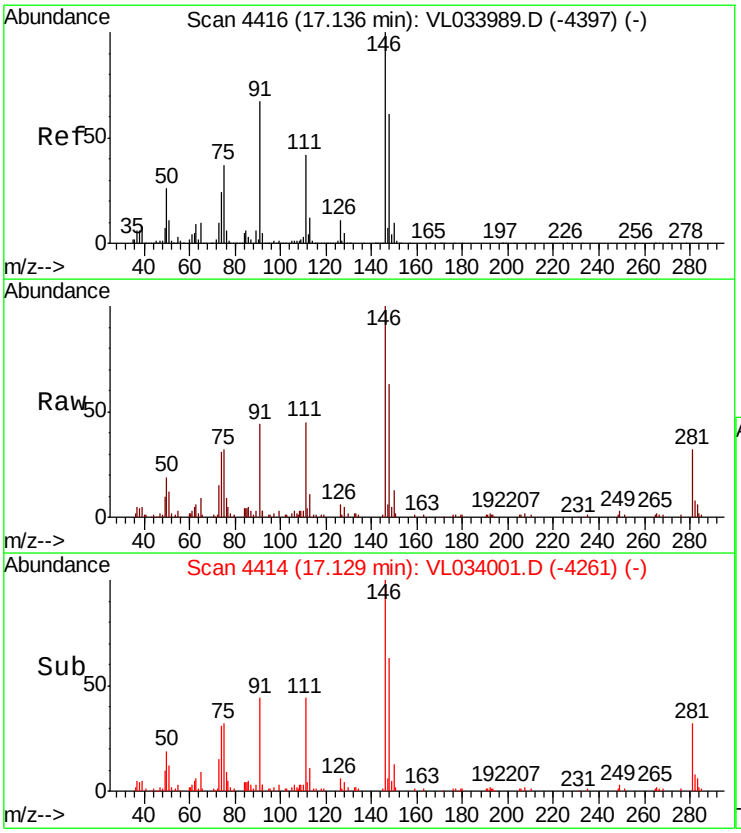
#74
1,2,4-Trimethylbenzene
Concen: 0.292 ppbv
RT: 16.88 min Scan# 4338
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 104262

Ion	Ratio	Lower	Upper
105	100		
120	36.6	36.2	54.2
91	49.3	34.3	51.5
77	17.0	17.1	25.7#

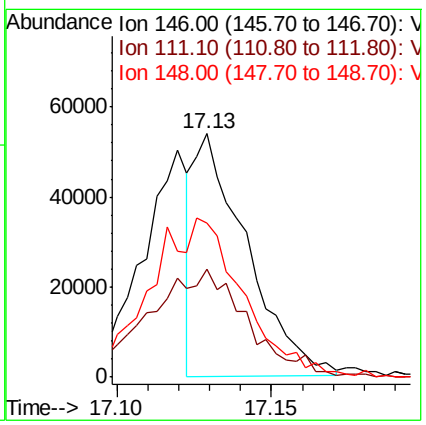


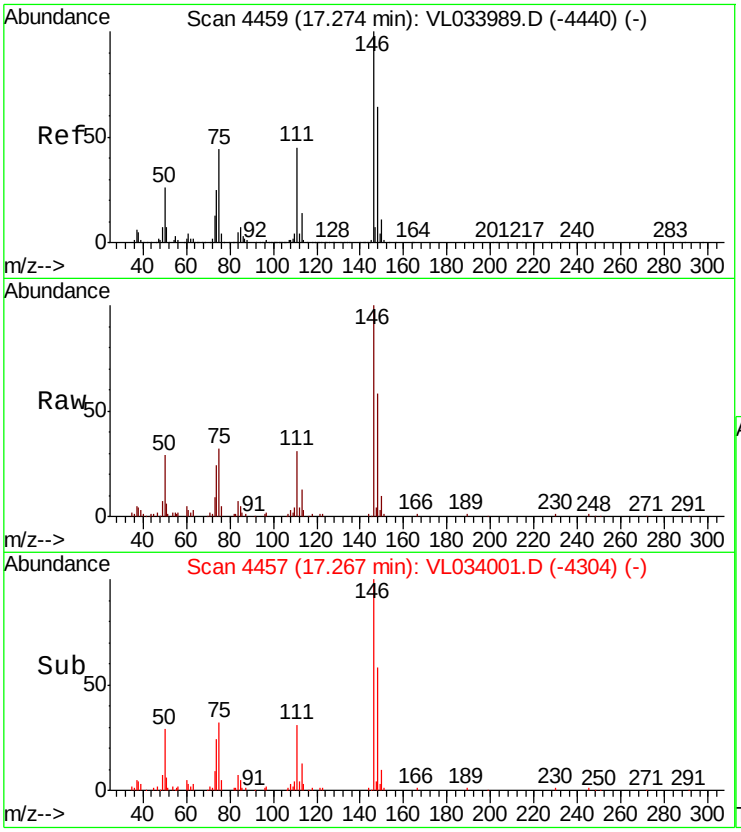


#75
1,3-Dichlorobenzene
Concen: 0.281 ppbv
RT: 17.13 min Scan# 4414
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:146 Resp: 63598

Ion	Ratio	Lower	Upper
146	100		
111	85.8	22.3	66.9#
148	118.7	32.0	96.2#



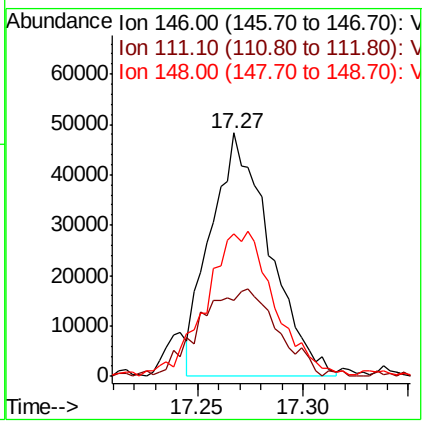


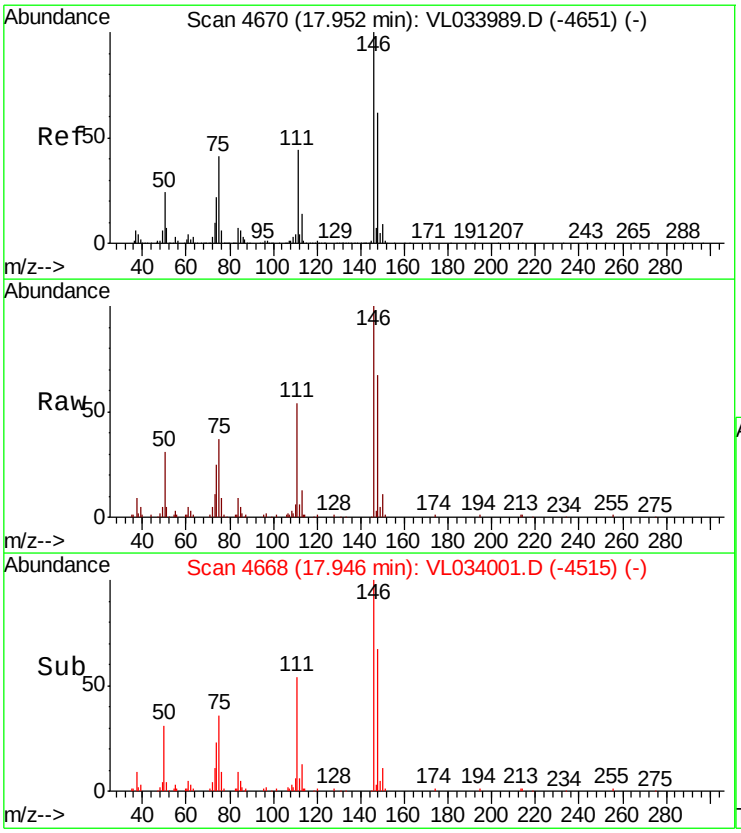
#76
1,4-Dichlorobenzene
Concen: 0.441 ppbv
RT: 17.27 min Scan# 4457
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 94061

Ion	Ratio	Lower	Upper
146	100		
111	48.2	21.9	65.5
148	71.4	32.5	97.5

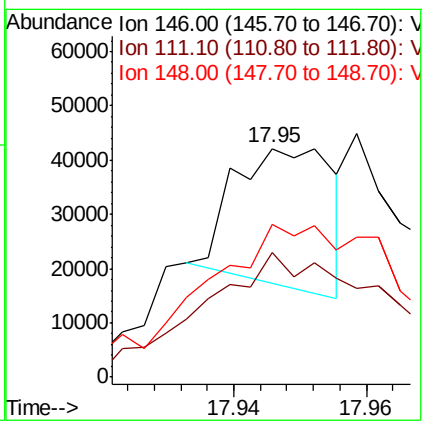


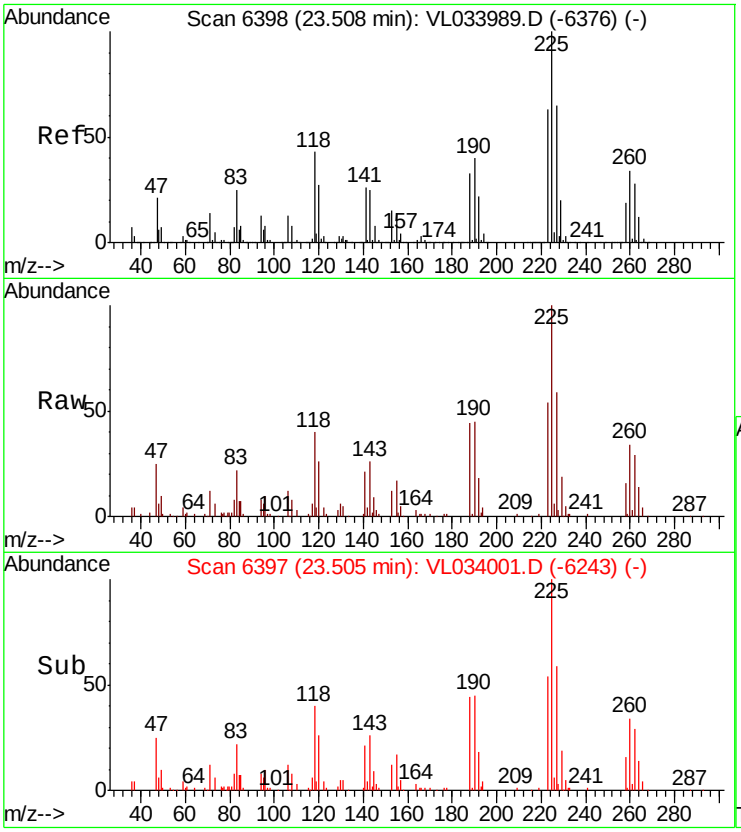


#77
1,2-Dichlorobenzene
Concen: 0.124 ppbv
RT: 17.95 min Scan# 4668
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:146 Resp: 25970

Ion	Ratio	Lower	Upper
146	100		
111	189.9	22.7	68.1#
148	255.2	32.1	96.3#



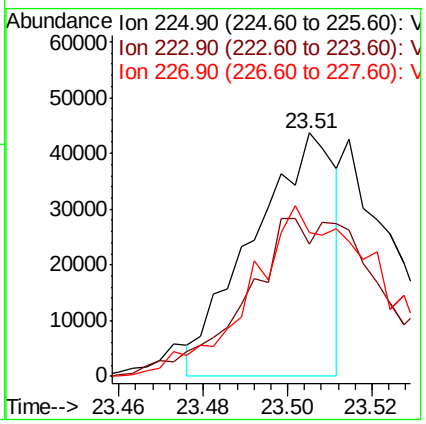


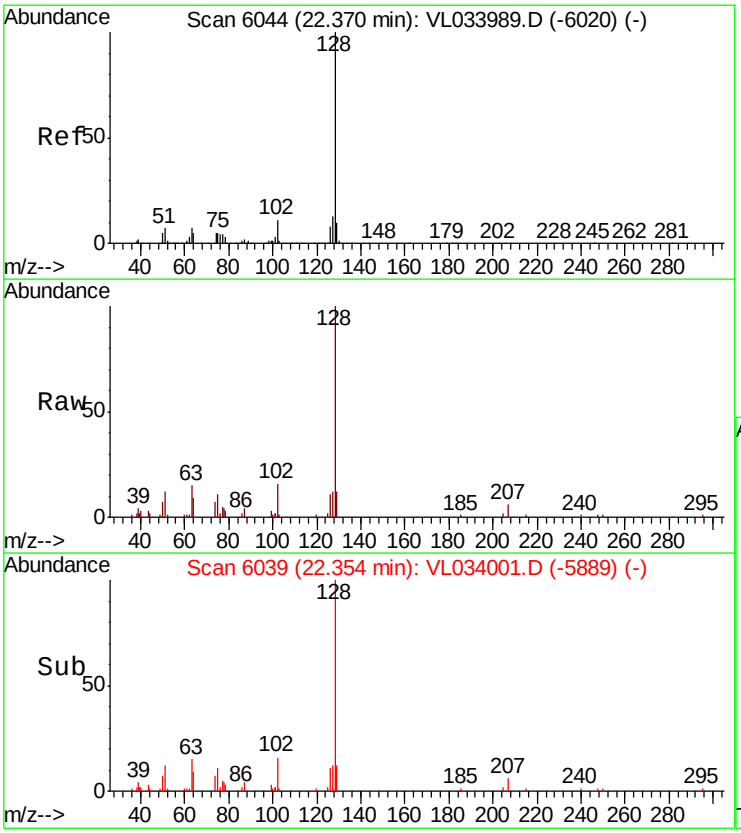
#78
Hexachloro-1,3-Butadiene
Concen: 0.333 ppbv
RT: 23.51 min Scan# 6397
Delta R.T. -0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 59474

Ion	Ratio	Lower	Upper
225	100		
223	111.4	51.5	77.3#
227	111.1	52.1	78.1#

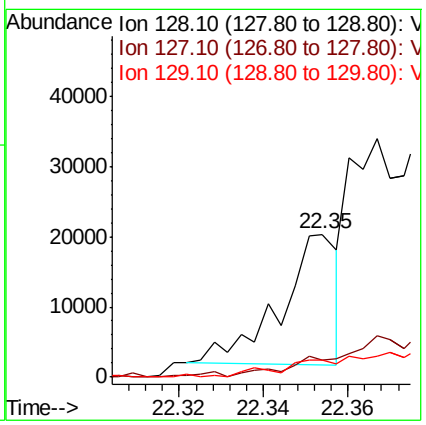


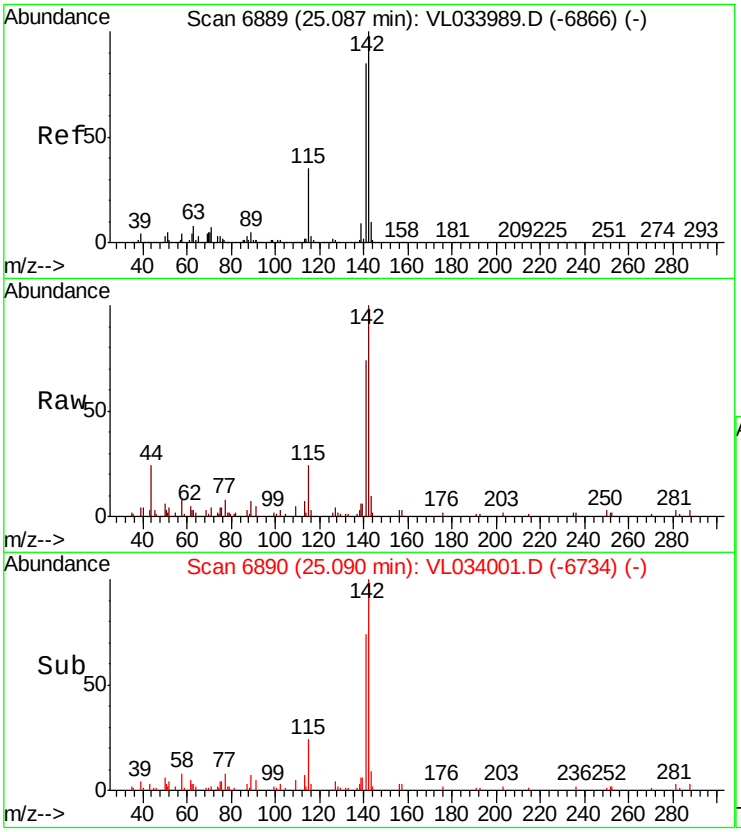


#79
Naphthalene
Concen: 0.058 ppbv
RT: 22.35 min Scan# 6039
Delta R.T. -0.02 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:128 Resp: 17474

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.9	8.3	12.5



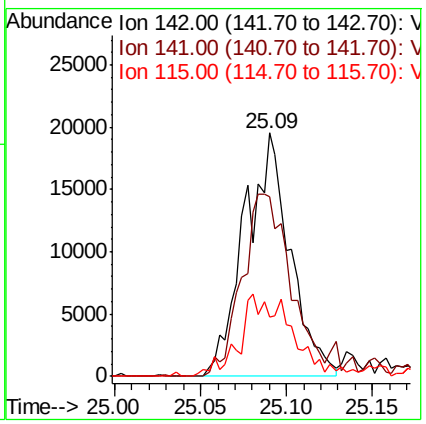


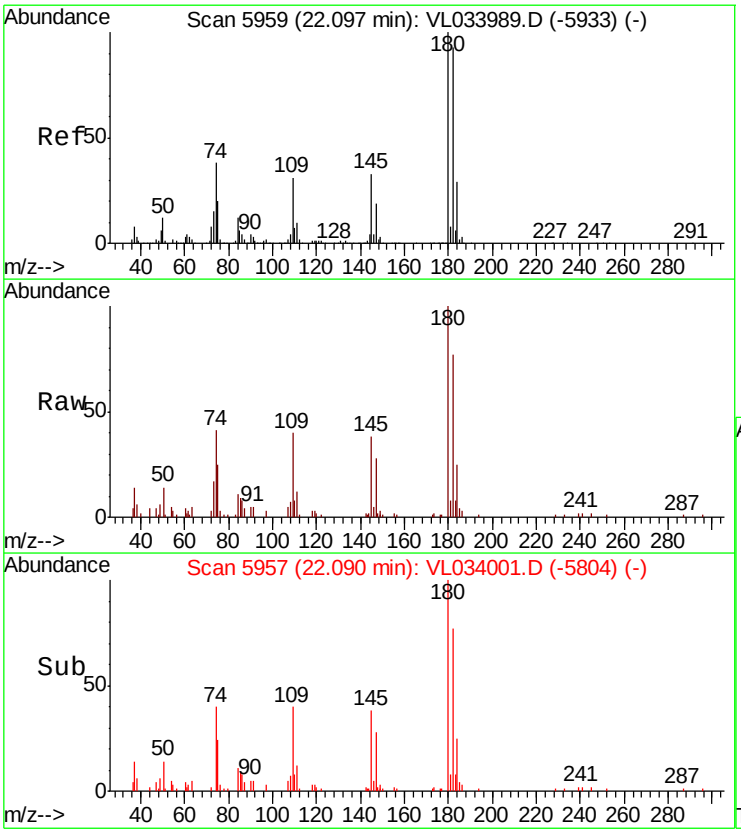
#80
Naphthalene,2-methyl-
Concen: 0.328 ppbv
RT: 25.09 min Scan# 6890
Delta R.T. 0.00 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 35839

Ion	Ratio	Lower	Upper
142	100		
141	89.7	68.2	102.2
115	38.2	29.9	44.9





#81
1,2,4-Trichlorobenzene
Concen: 0.220 ppbv
RT: 22.09 min Scan# 5957
Delta R.T. -0.01 min
Lab File: VL034001.D
Acq: 3 Jul 2019 1:56

Tgt Ion:180 Resp: 42312

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.6	114.8#
184	0.0	24.6	36.8#