Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033296.D
Acq On : 12 Mar 2019 23:36
Operator : SY/AP
Sample : VL0312ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Quant Time: Mar 13 07:57:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	826152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1885465	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2414564	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1552553	8.33	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1550958	9.296	ppbv	99
3) Chlorodifluoromethane	3.01	51	942119	8.597	ppbv	99
4) Chloromethane	3.17	50	507560	8.663	ppbv	97
5) Vinyl Chloride	3.29	62	492052	8.600	ppbv	99
6) Bromomethane	3.51	94	314550	9.000	ppbv	94
7) Chloroethane	3.60	64	190781	9.221	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1238439	8.780	ppbv	98
9) Propene	3.04	41	422427	8.456	ppbv	99
10) Heptane	8.25	43	1067220	9.484	ppbv	99
11) Trichlorofluoromethane	4.00	101	1360851	8.240	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	924843	9.785	ppbv	100
13) Ethanol	3.65	45	86667	5.686	ppbv	96
14) Bromoethene	3.79	108	387634	8.794	ppbv	100
15) Acetone	3.90	43	966660	7.628	ppbv	100
16) 1,3-Butadiene	3.36	39	421260	9.206	ppbv	97
17) tert-Butyl alcohol	4.36	59	148642	8.740	ppbv	98
18) 1,1-Dichloroethene	4.35	96	405833	9.700	ppbv	91
19) Isopropyl Alcohol	4.02	45	520761	6.799	ppbv	100
20) Methylene Chloride	4.41	84	355857	8.446	ppbv	96
21) Allyl Chloride	4.48	41	633086	10.049	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	422419	9.468	ppbv	94
23) Vinyl Acetate	5.16	43	1517651	9.558	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1048071	9.101	ppbv	100
25) Ethyl Acetate	5.77	43	1765000	9.038	ppbv	99
26) Hexane	5.78	57	795159	8.675	ppbv	99
27) Carbon Disulfide	4.62	76	1026244	10.552	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1152998	8.863	ppbv	100
29) Chloroform	5.85	83	1300985	9.329	ppbv	100
30) Cyclohexane	7.25	84	671449	9.448	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	820458	9.337	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1245360	9.165	ppbv	99
34) 2-Butanone	5.33	43	1178977	9.456	ppbv	99
35) Carbon Tetrachloride	7.14	117	1360992	9.879	ppbv	99
36) Benzene	7.01	78	1655245	9.519	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1001757	9.605	ppbv	100
38) Trichloroethene	7.96	130	630054	9.295	ppbv	99
39) 1,2-Dichloropropane	7.74	63	630387	9.634	ppbv	98
40) 1,4-Dioxane	7.95	88	101798	4.133	ppbv #	1
41) Tetrahydrofuran	6.15	42	669158	9.667	ppbv	100
42) Bromodichloromethane	7.92	83	1465386	10.206	ppbv	99
43) Methyl Methacrylate	8.14	69	683940	10.091	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033296.D
Acq On : 12 Mar 2019 23:36
Operator : SY/AP
Sample : VL0312ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Quant Time: Mar 13 07:57:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2801320	9.484	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	887175	10.648	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1023159	10.477	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	675964	9.674	ppbv		99
48) Dibromochloromethane	10.45	129	1221443	10.661	ppbv		99
49) Bromoform	13.21	173	1060102	11.416	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	1733871	9.744	ppbv		99
51) 2-Hexanone	10.27	43	1380712	10.165	ppbv	#	99
52) Tetrachloroethene	11.37	164	623071	9.775	ppbv		98
53) Toluene	9.95	91	1962805	9.793	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1092258	10.170	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	835104	8.136	ppbv	#	60
57) Chlorobenzene	12.30	112	1436565	7.889	ppbv		99
58) Ethyl Benzene	12.87	91	2712631	8.175	ppbv		97
59) m/p-Xylene	13.13	91	2547236	9.180	ppbv	#	32
60) o-Xylene	13.85	91	2235562	8.380	ppbv		100
61) Styrene	13.69	104	1656945	8.721	ppbv		100
62) Isopropylbenzene	14.83	105	3108268	8.362	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1510680	8.448	ppbv		99
64) n-propylbenzene	15.73	120	814137	8.901	ppbv		98
65) tert-Butylbenzene	16.91	119	2790200	8.893	ppbv		99
66) Benzyl Chloride	17.16	91	1315759	10.826	ppbv		99
67) sec-Butylbenzene	17.46	105	3949247	8.843	ppbv		100
69) p-Isopropyltoluene	17.82	119	3216934	8.917	ppbv		99
70) n-Butylbenzene	18.72	91	3434826	8.867	ppbv		100
71) 2-Chlorotoluene	15.62	91	2481051	8.855	ppbv		99
72) 4-Ethyltoluene	16.00	105	2632826	9.137	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2502570	9.217	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	2557479	9.248	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1463564	8.831	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1467841	8.956	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1407984	8.534	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	805013	5.856	ppbv		100
79) Naphthalene	22.42	128	2735329	9.137	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1490073	18.166	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1305024	8.280	ppbv		100

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

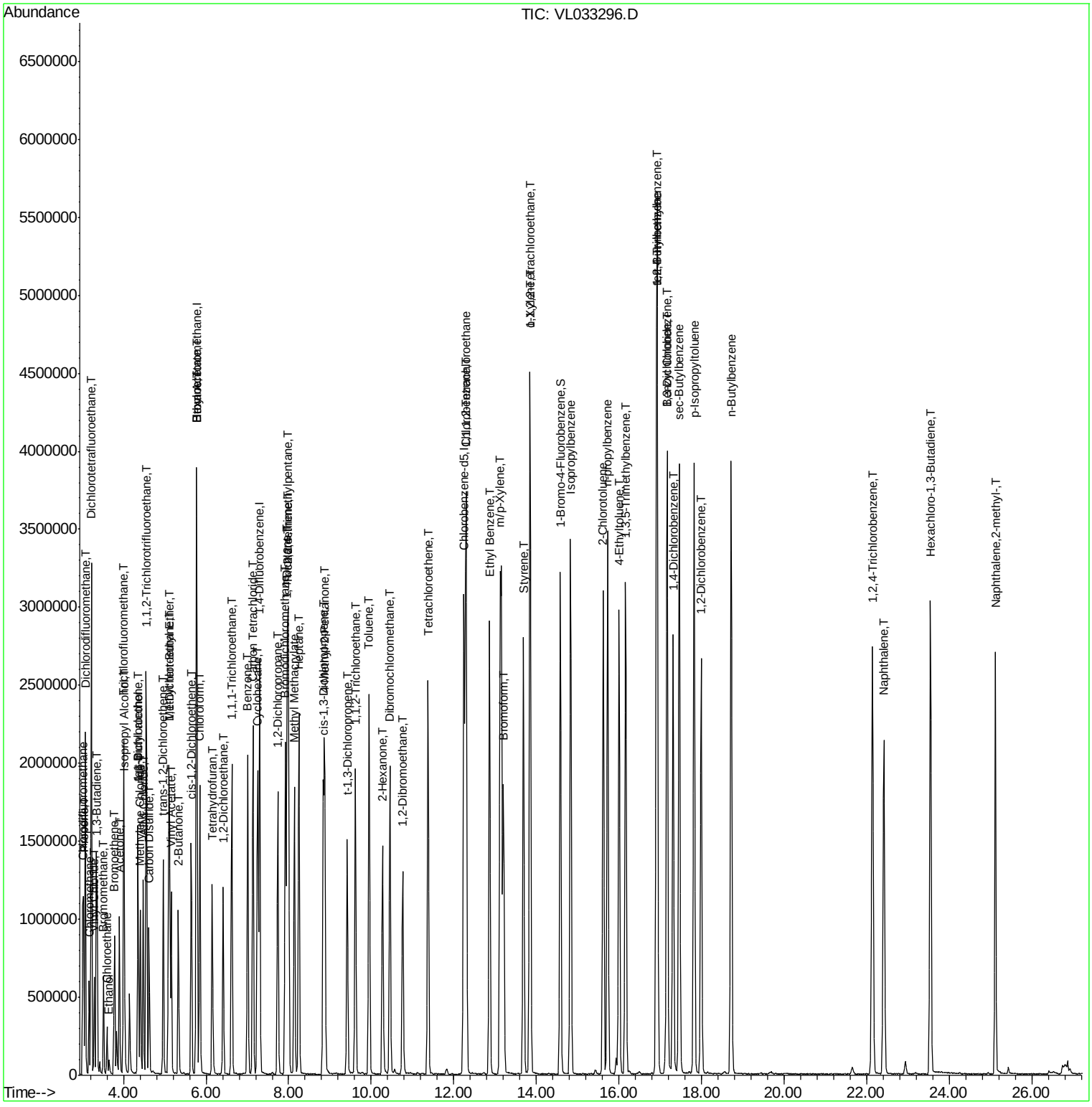
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

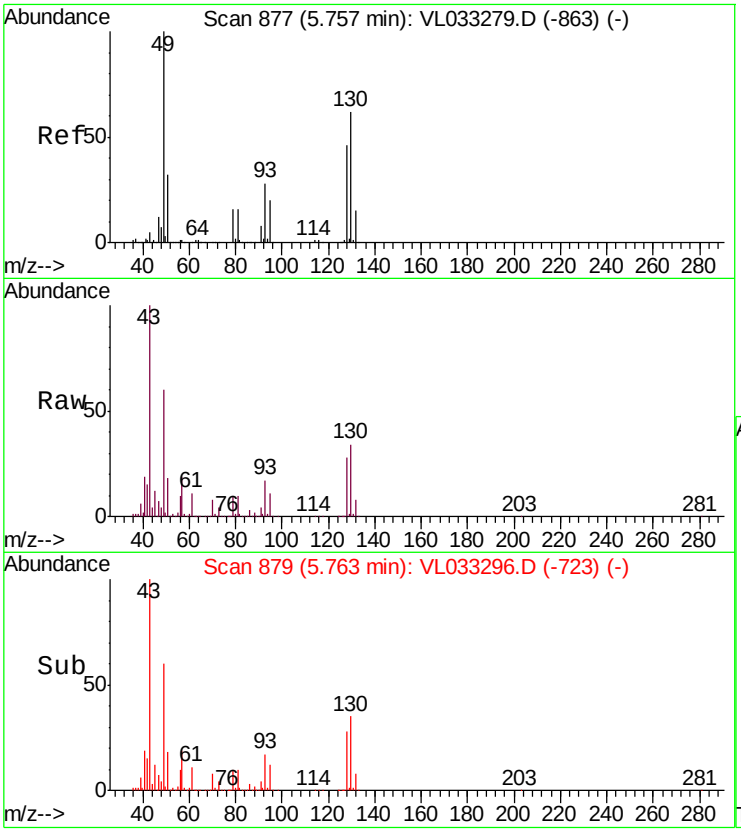
Quantitation Report (Not Reviewed)

Data File : VL033296.D
Acq On : 12 Mar 2019 23:36
Operator : SY/AP
Sample : VL0312ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Quant Time: Mar 13 07:57:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration



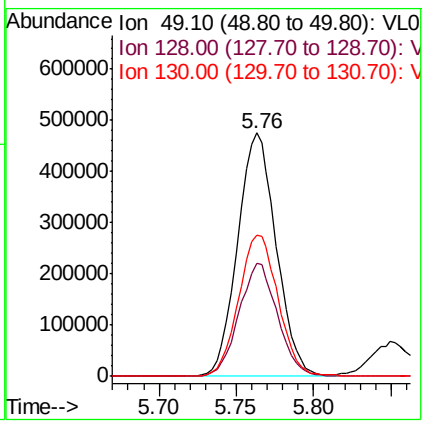


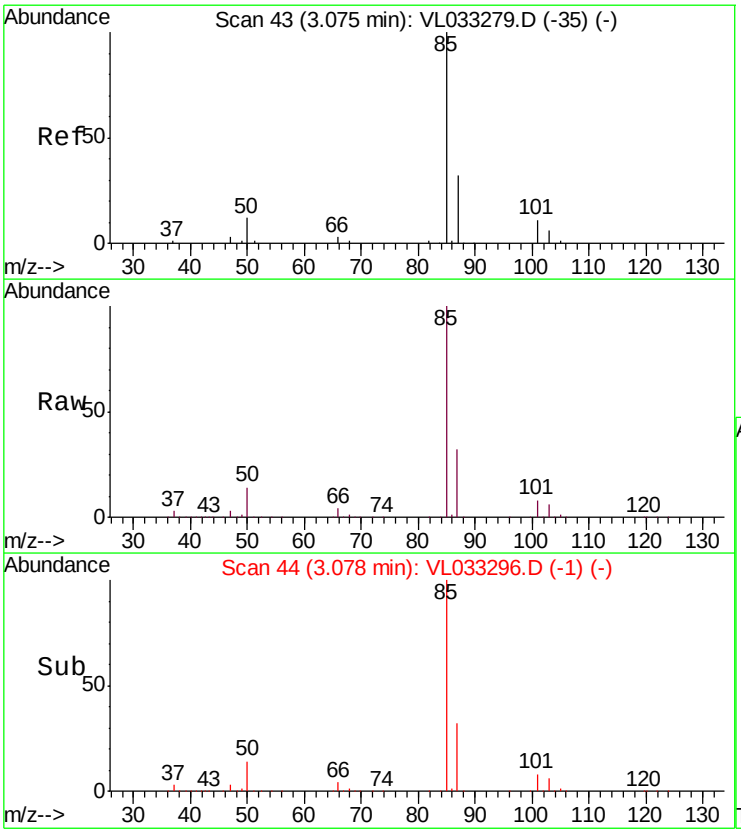
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 49 Resp: 826152

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.3	69.9
130	59.5	30.0	90.1

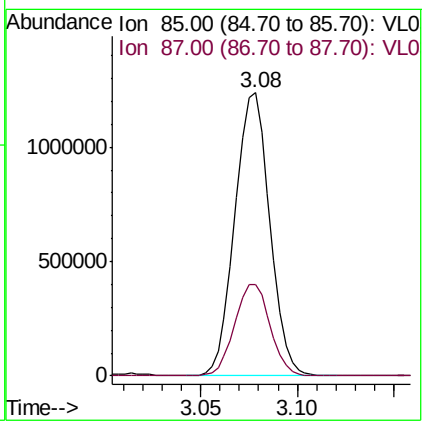


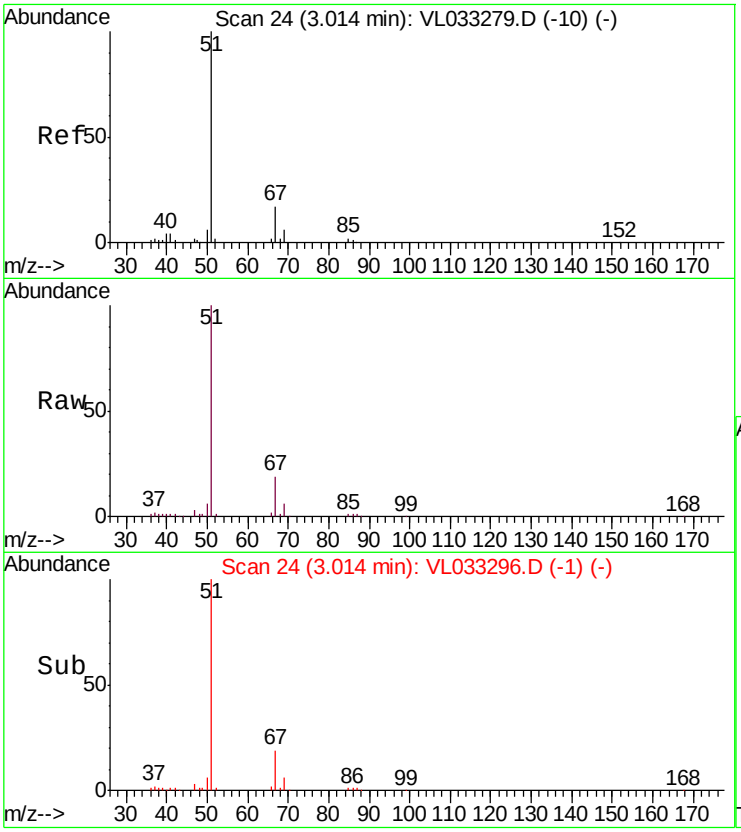


#2
Dichlorodifluoromethane
Concen: 9.296 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 85 Resp: 1550958

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.4	39.6



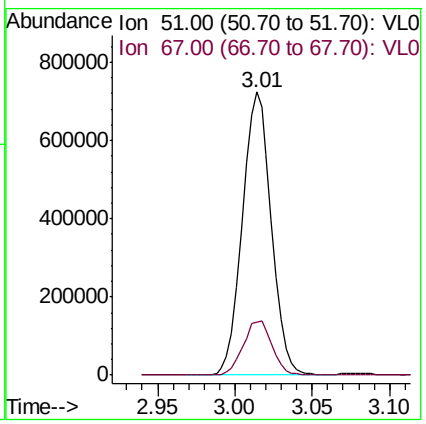


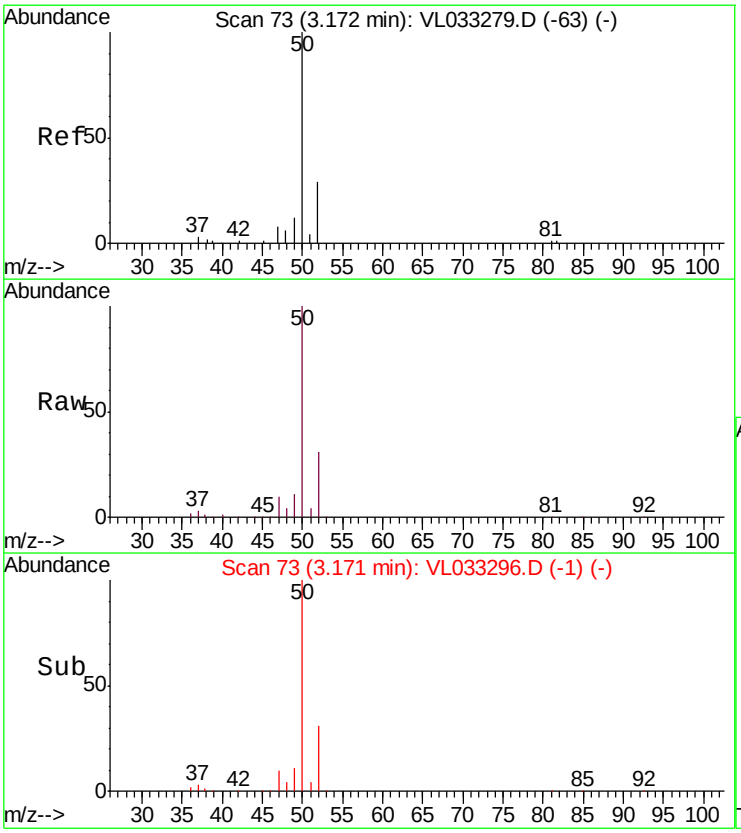
#3
Chlorodifluoromethane
Concen: 8.597 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 51 Resp: 942119

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.0	22.4

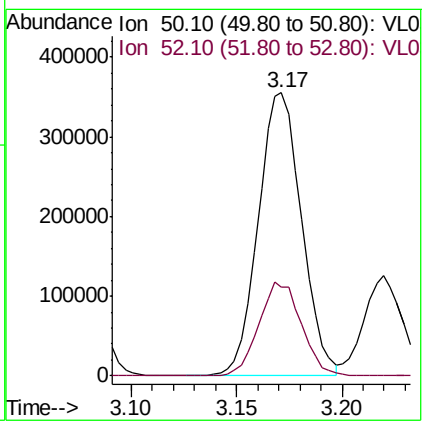


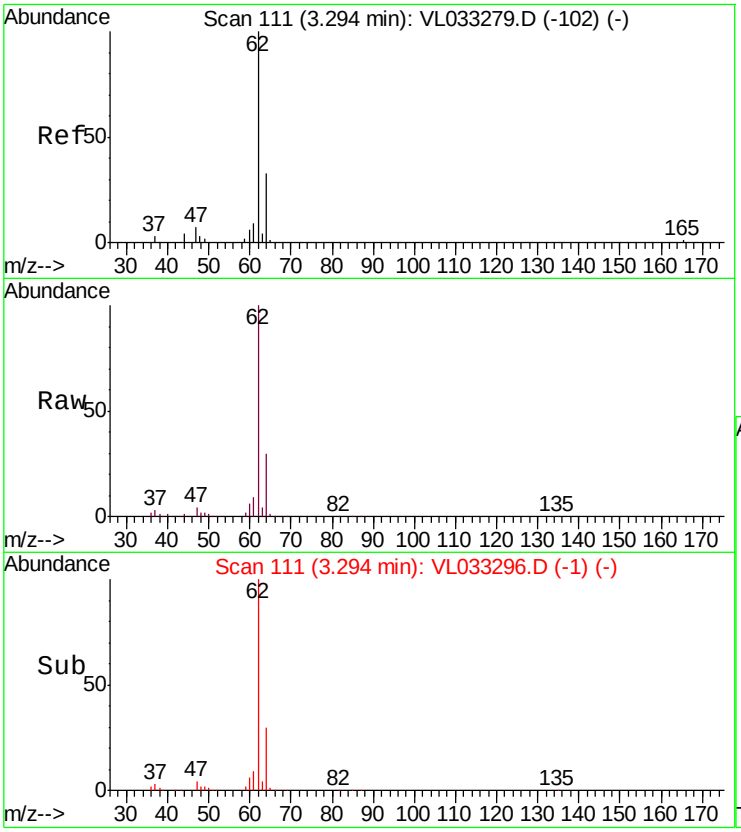


#4
Chloromethane
Concen: 8.663 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 50 Resp: 507560

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.6	39.8



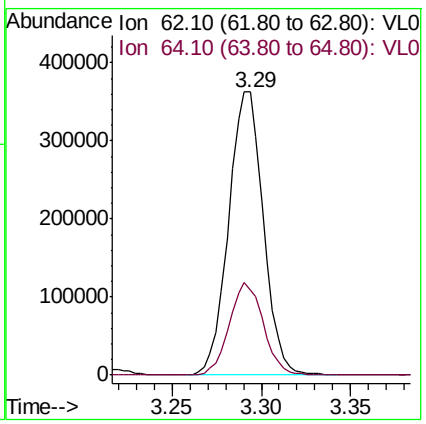


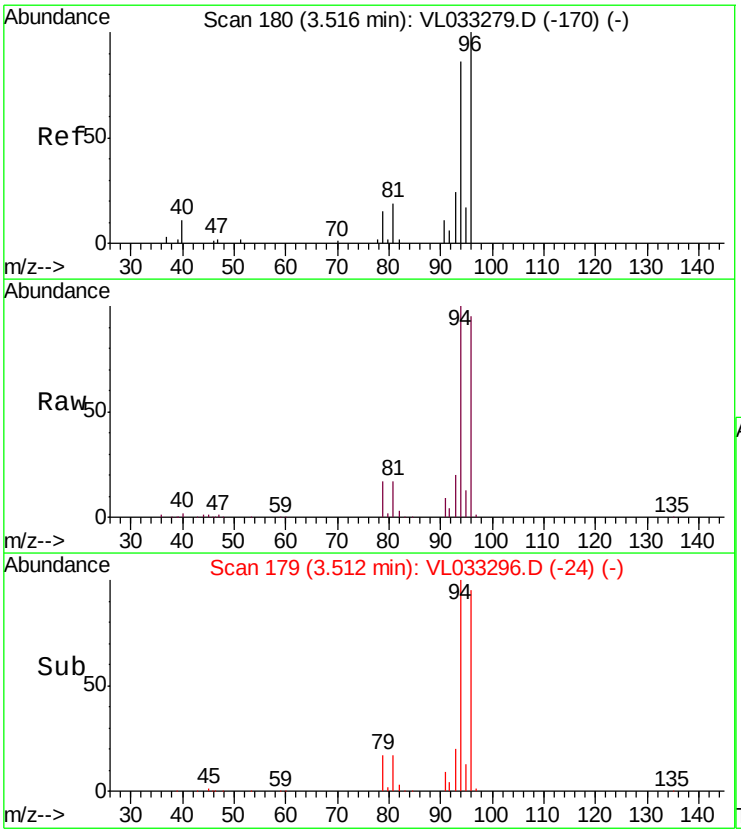
#5
Vinyl Chloride
Concen: 8.600 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 62 Resp: 492052

Ion	Ratio	Lower	Upper
62	100		
64	30.0	24.5	36.7

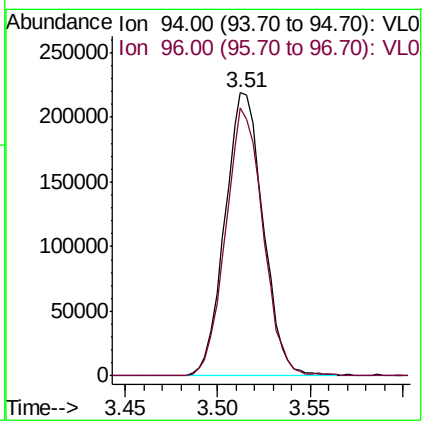


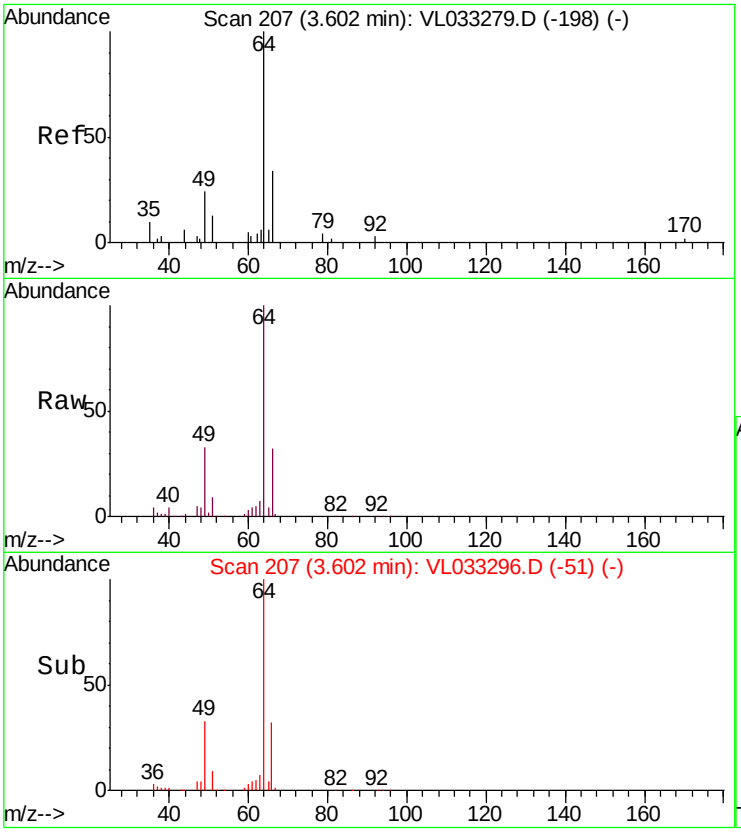


#6
Bromomethane
Concen: 9.000 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 94 Resp: 314550

Ion	Ratio	Lower	Upper
94	100		
96	94.6	71.3	106.9



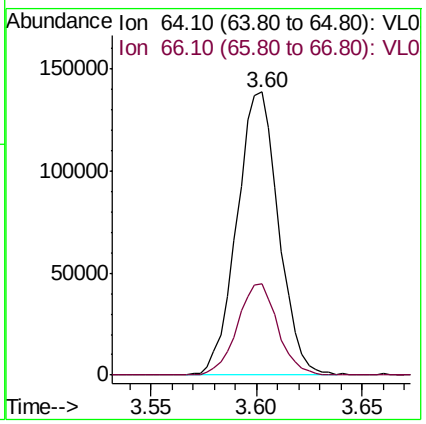


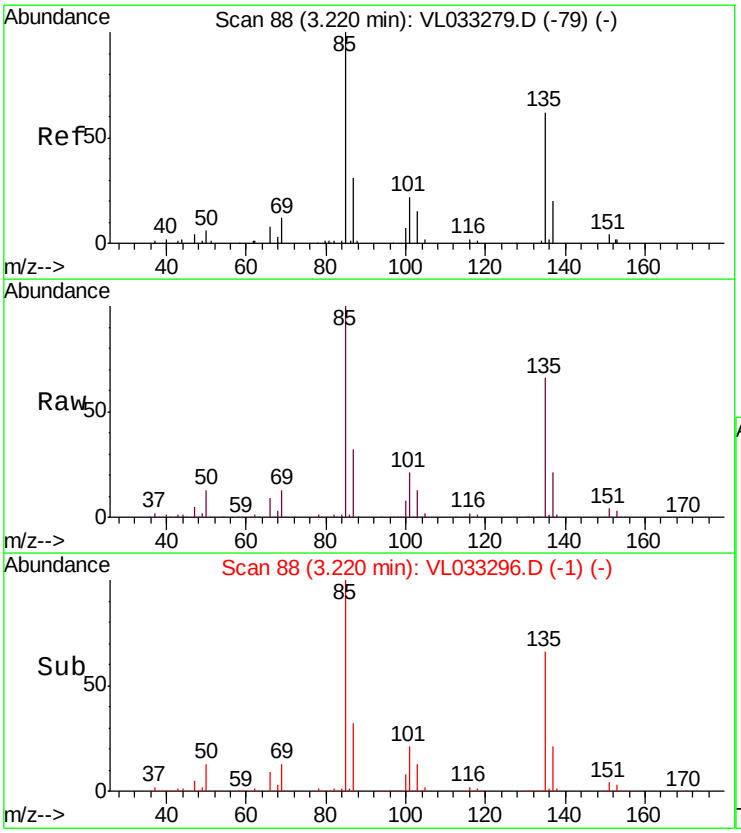
#7
Chloroethane
Concen: 9.221 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 64 Resp: 190781

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.2	39.2

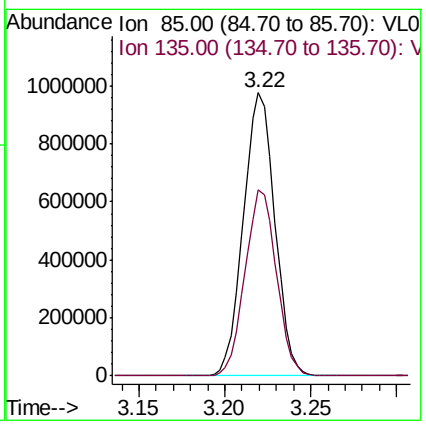


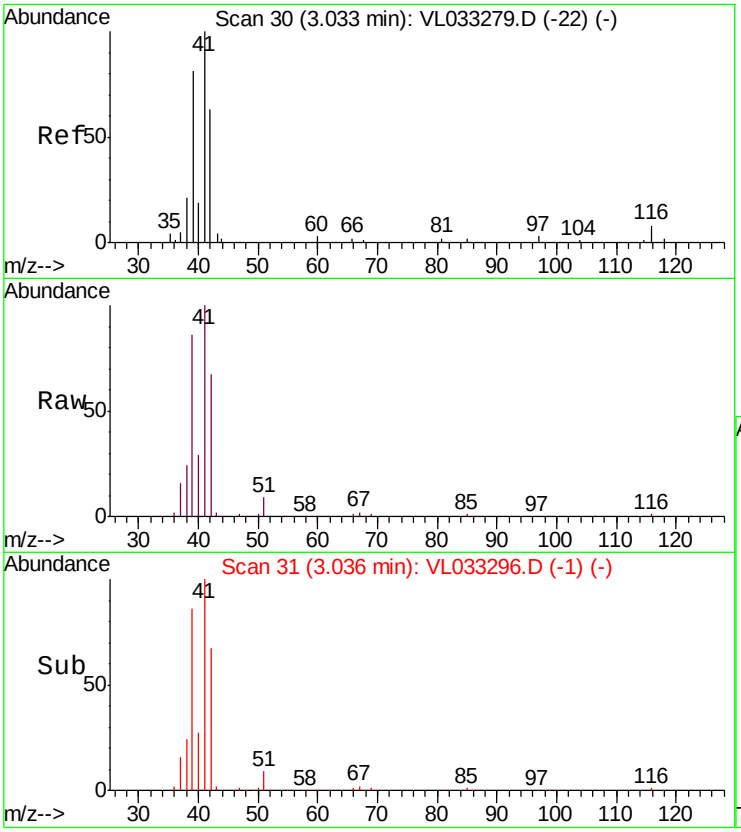


#8
Dichlorotetrafluoroethane
Concen: 8.780 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 85 Resp: 1238439

Ion	Ratio	Lower	Upper
85	100		
135	65.6	53.4	80.2



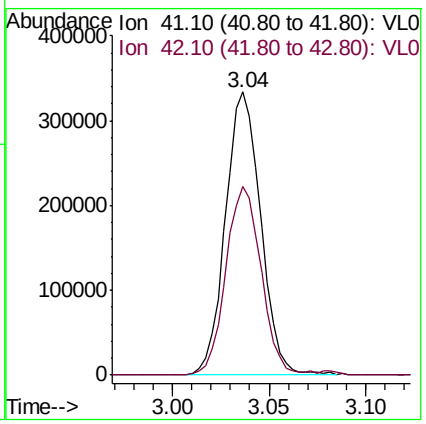


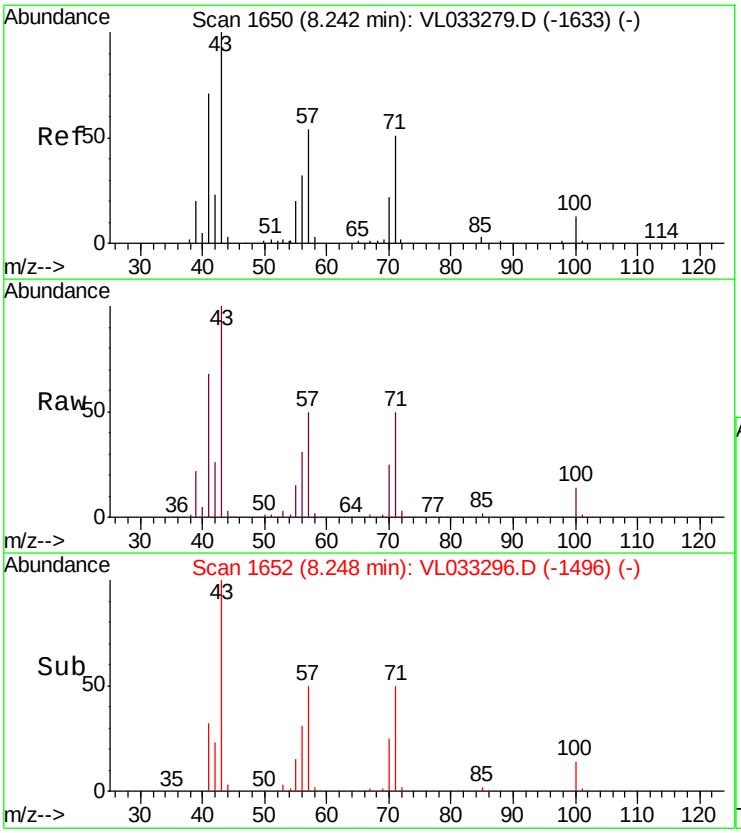
#9
Propene
Concen: 8.456 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 41 Resp: 422427

Ion	Ratio	Lower	Upper
41	100		
42	67.6	54.6	82.0

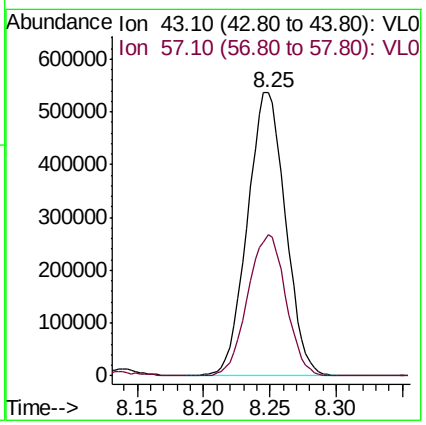


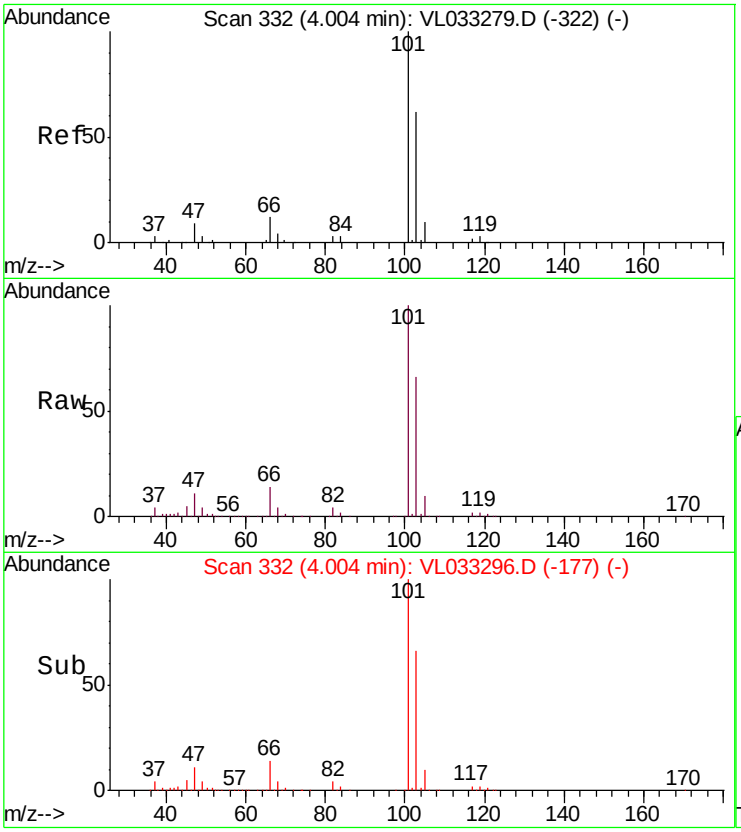


#10
Heptane
Concen: 9.484 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 43 Resp: 1067220

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.8	59.8



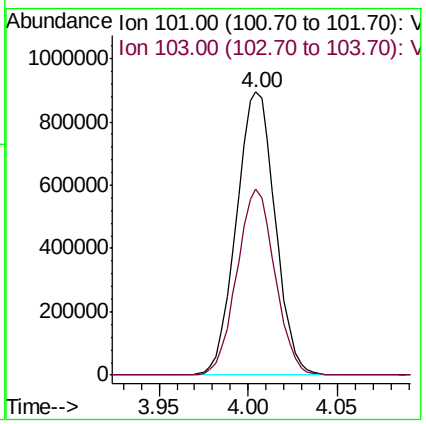


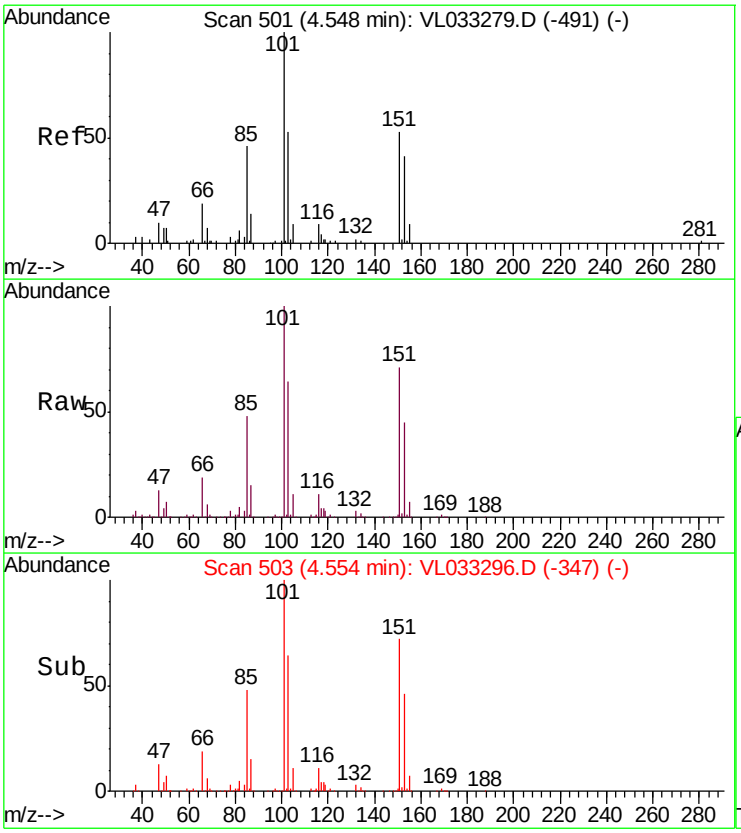
#11
Trichlorofluoromethane
Concen: 8.240 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:101 Resp: 1360851

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.8

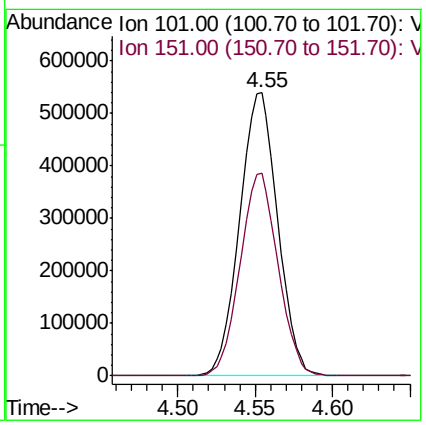


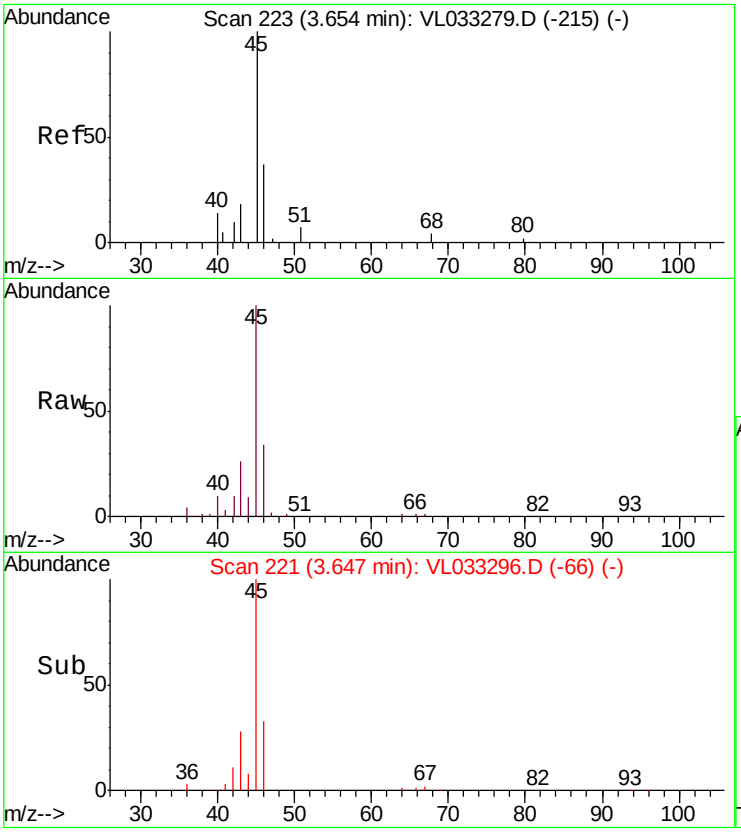


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.785 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:101 Resp: 924843

Ion	Ratio	Lower	Upper
101	100		
151	71.5	56.9	85.3



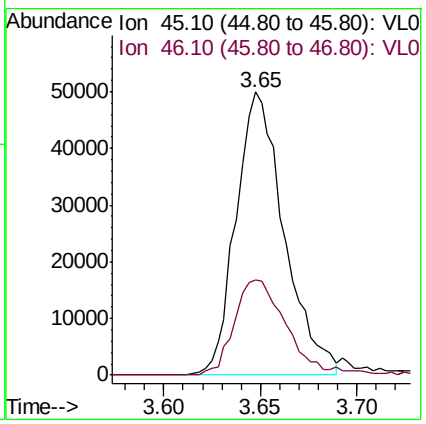


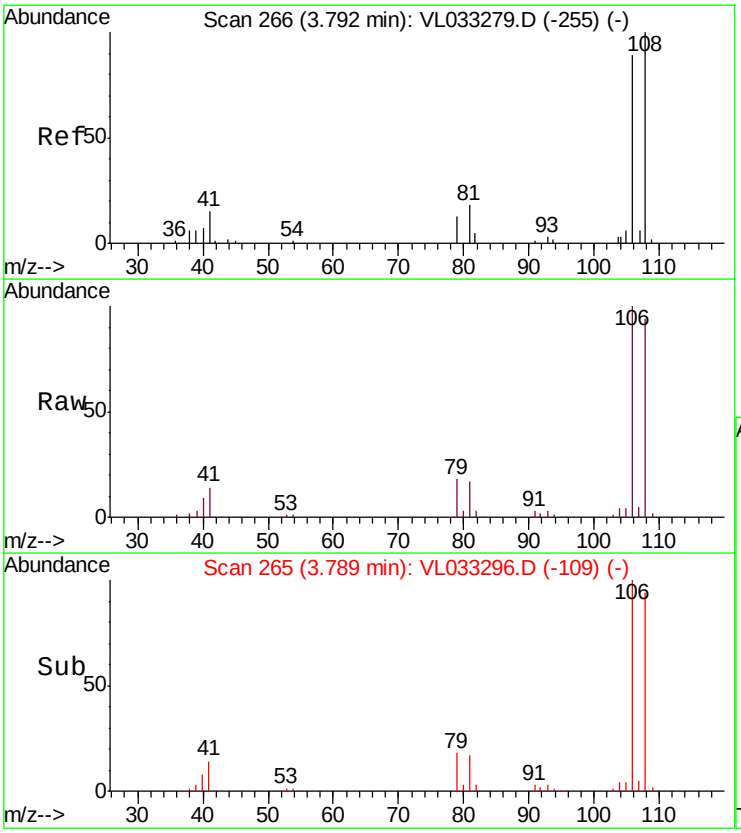
#13
Ethanol
Concen: 5.686 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 45 Resp: 86667

Ion	Ratio	Lower	Upper
45	100		
46	37.0	13.9	55.7

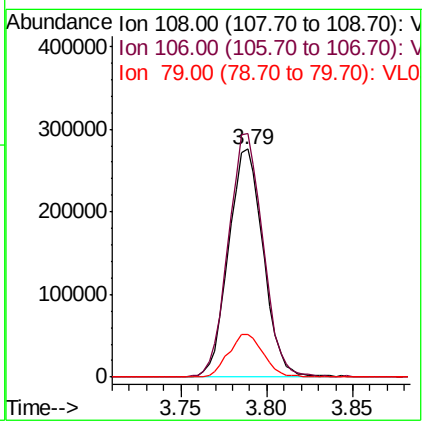


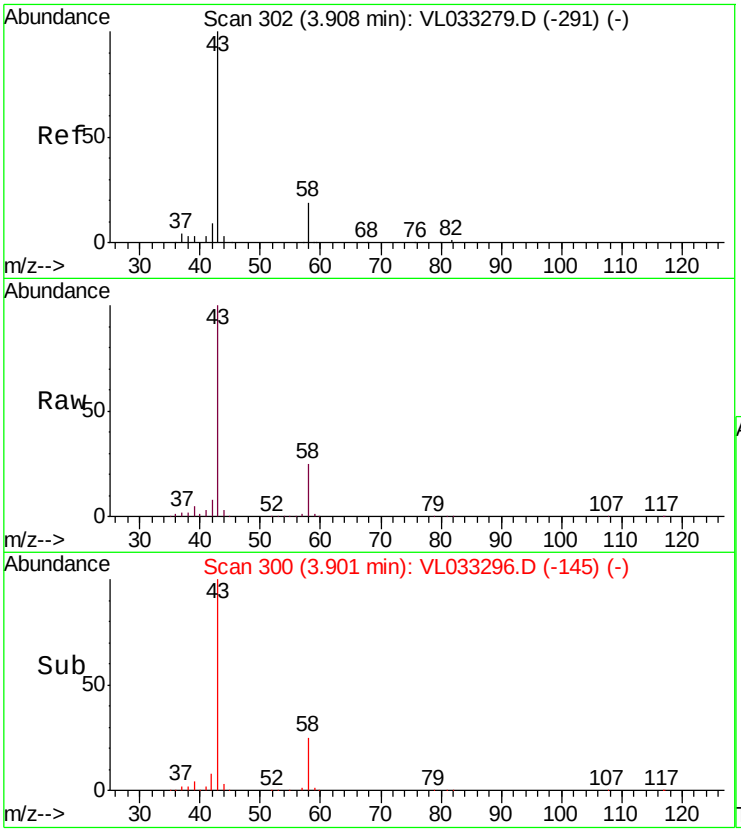


#14
Bromoethene
Concen: 8.794 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:108 Resp: 387634

Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.9	128.9
79	18.9	14.9	22.3



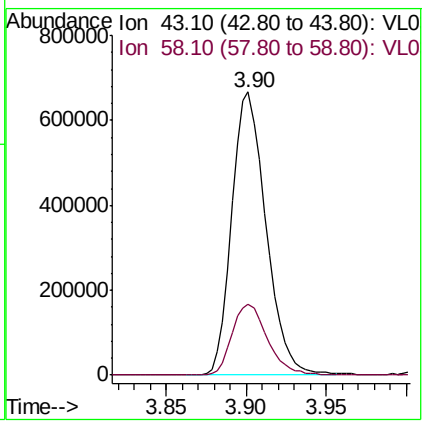


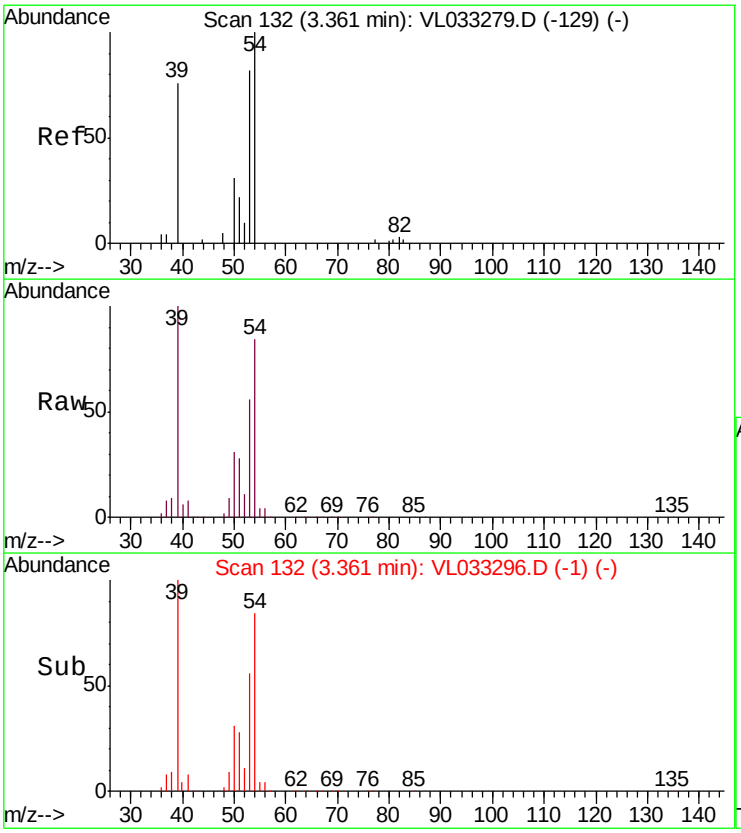
#15
Acetone
Concen: 7.628 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 43 Resp: 966660

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.1	31.7

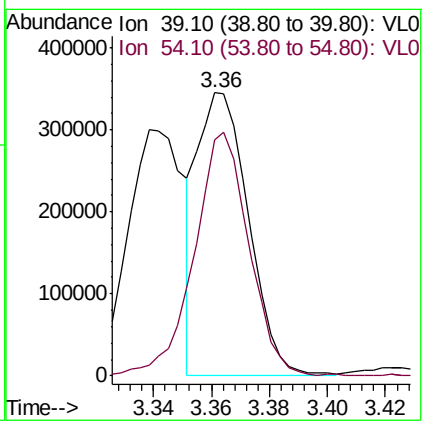


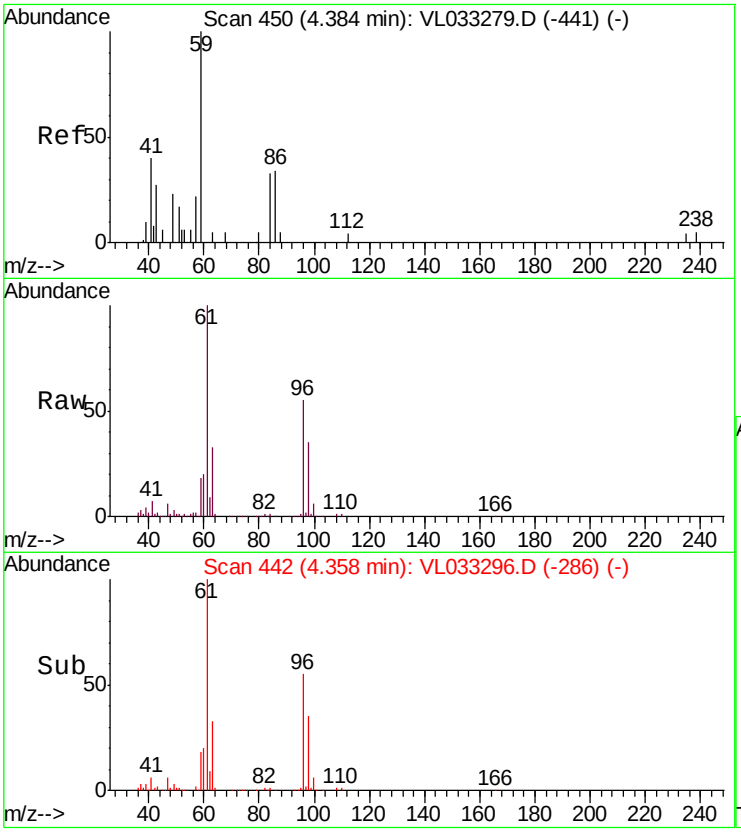


#16
1,3-Butadiene
Concen: 9.206 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 39 Resp: 421260

Ion	Ratio	Lower	Upper
39	100		
54	93.3	76.6	114.8



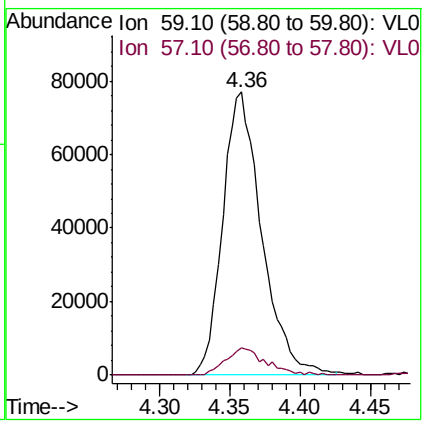


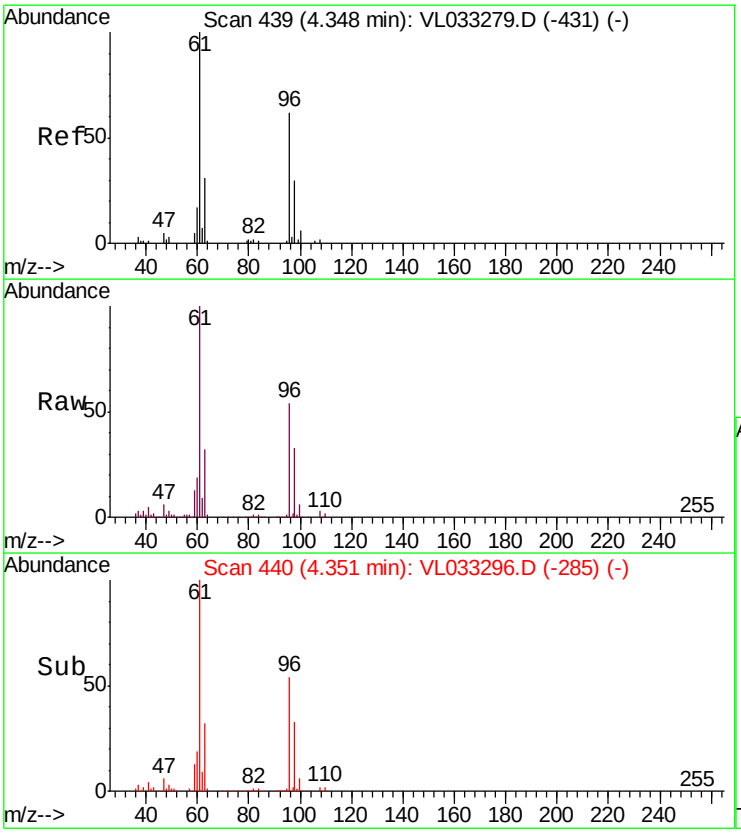
#17
tert-Butyl alcohol
Concen: 8.740 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 59 Resp: 148642

Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.5	11.3

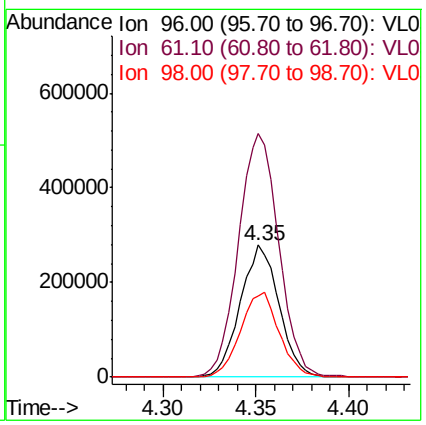


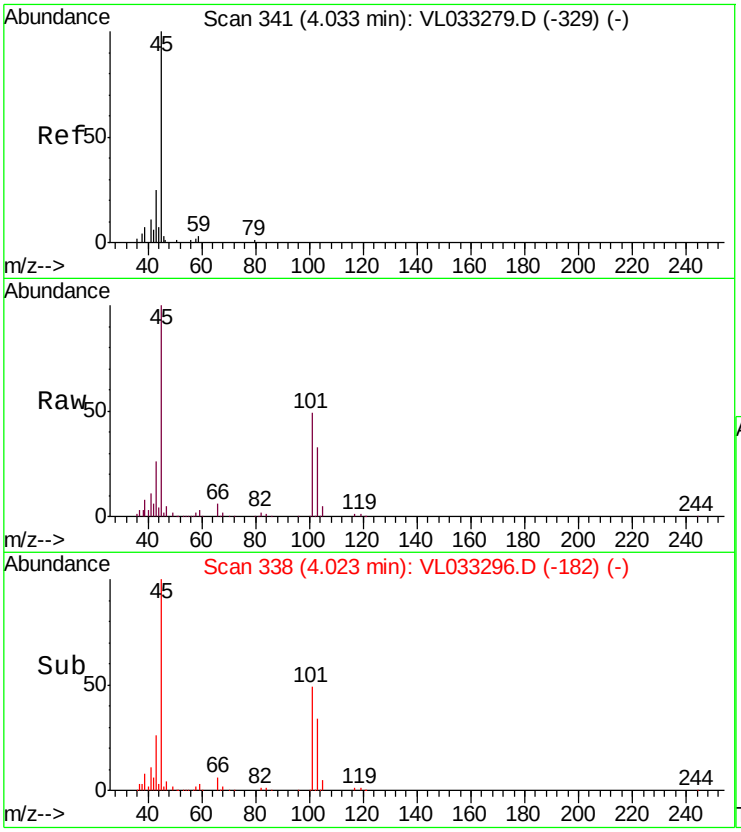


#18
1,1-Dichloroethene
Concen: 9.700 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 96 Resp: 405833

Ion	Ratio	Lower	Upper
96	100		
61	184.2	158.9	238.3
98	61.1	52.4	78.6



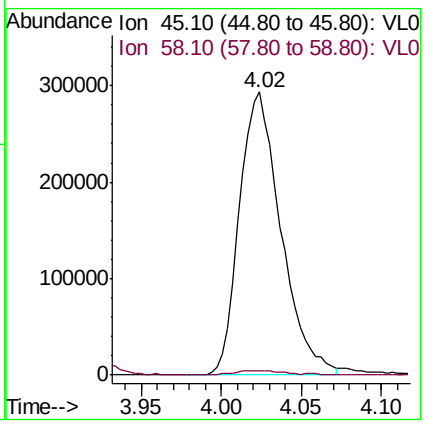


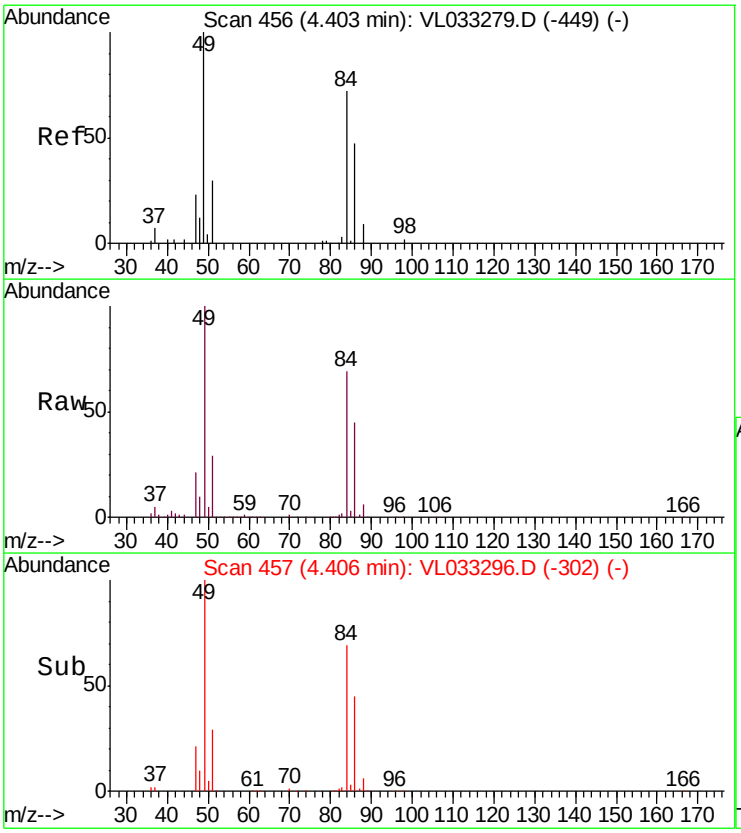
#19
Isopropyl Alcohol
Concen: 6.799 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 45 Resp: 520761

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

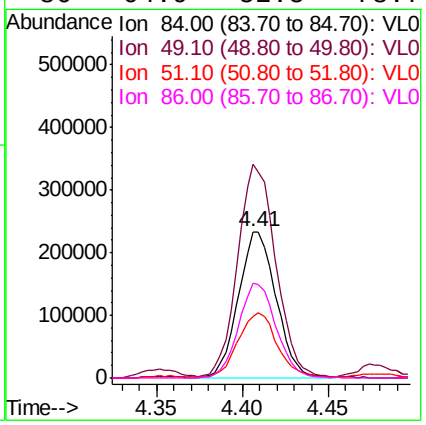


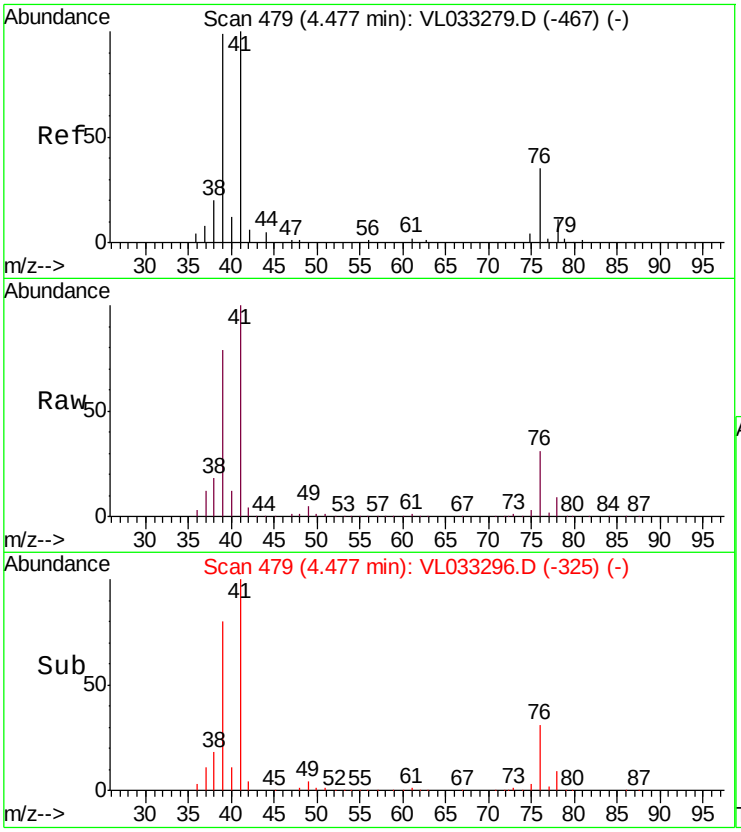


#20
Methylene Chloride
Concen: 8.446 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 84 Resp: 355857

Ion	Ratio	Lower	Upper
84	100		
49	144.8	120.3	180.5
51	41.1	36.2	54.4
86	64.9	52.5	78.7



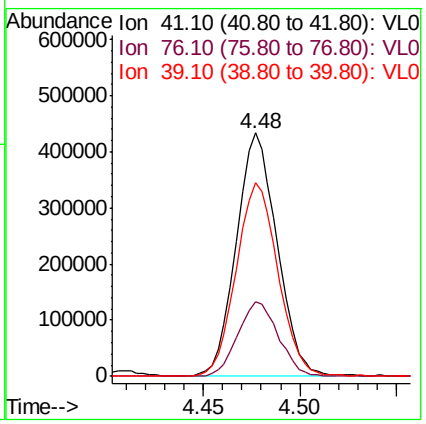


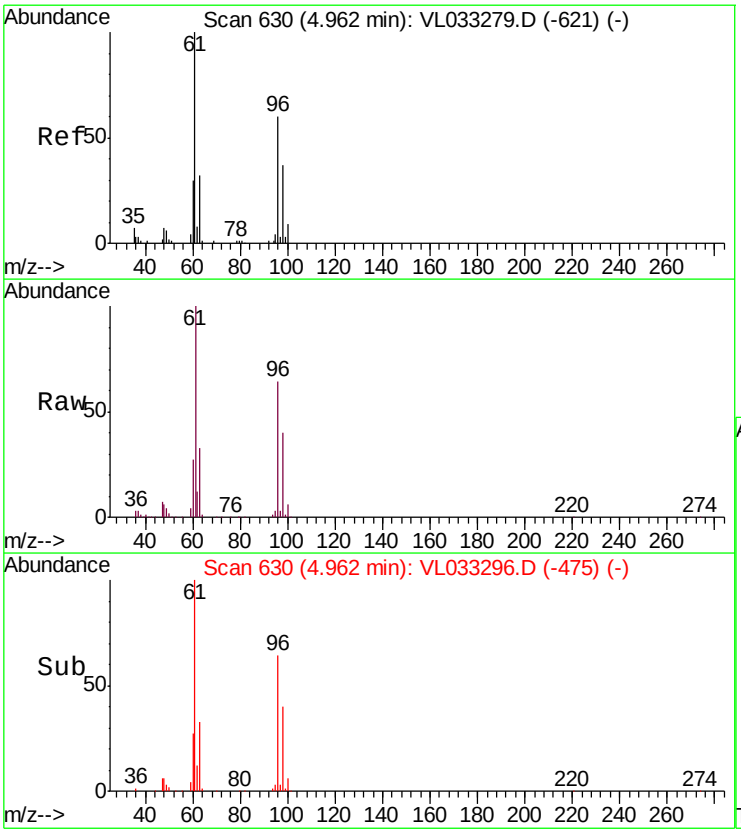
#21
Allyl Chloride
Concen: 10.049 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 41 Resp: 633086

Ion	Ratio	Lower	Upper
41	100		
76	30.8	25.0	37.4
39	81.7	64.2	96.4

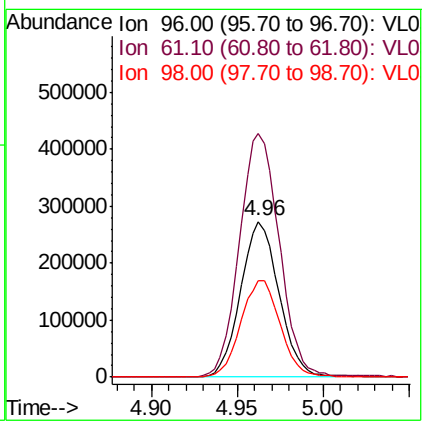


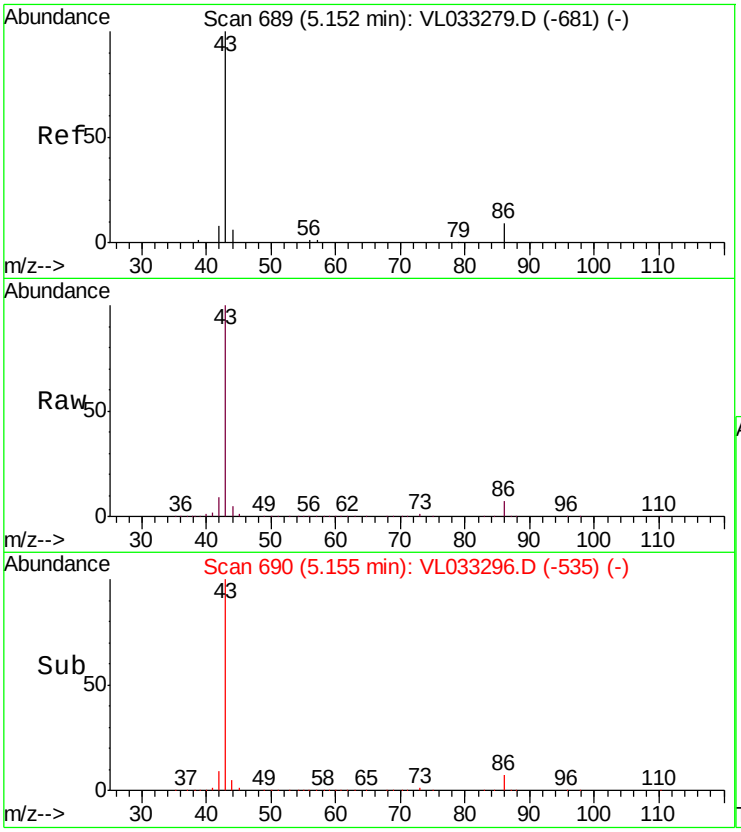


#22
trans-1,2-Dichloroethene
Concen: 9.468 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 96 Resp: 422419

Ion	Ratio	Lower	Upper
96	100		
61	156.6	131.6	197.4
98	62.3	54.1	81.1



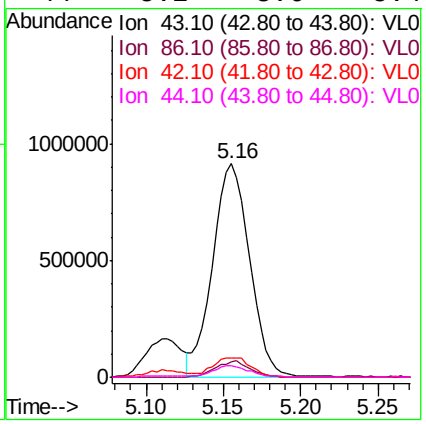


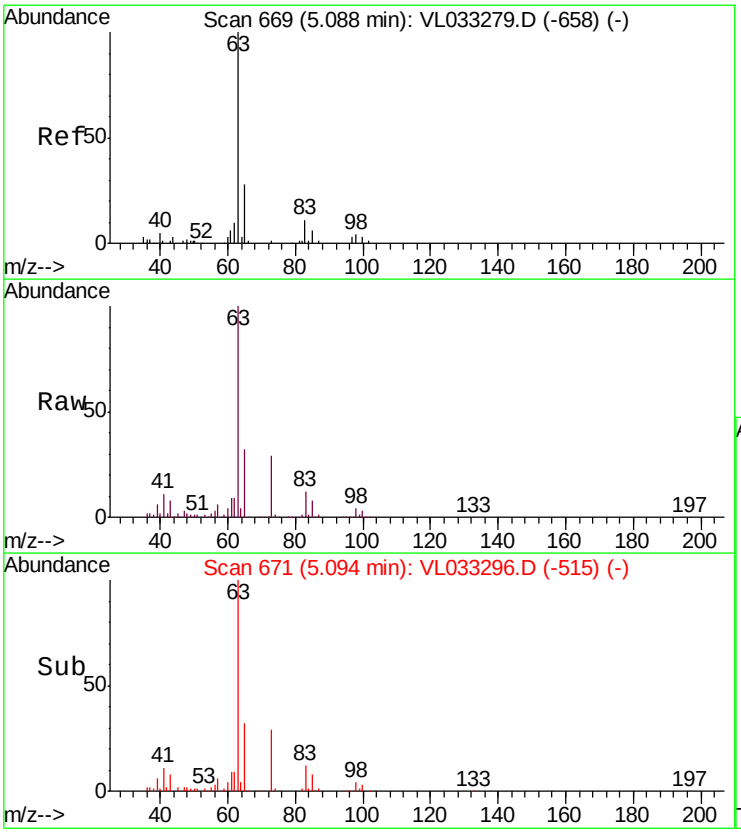
#23
Vinyl Acetate
Concen: 9.558 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 43 Resp: 1517651

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	9.0	7.8	11.6
44	5.2	3.6	5.4

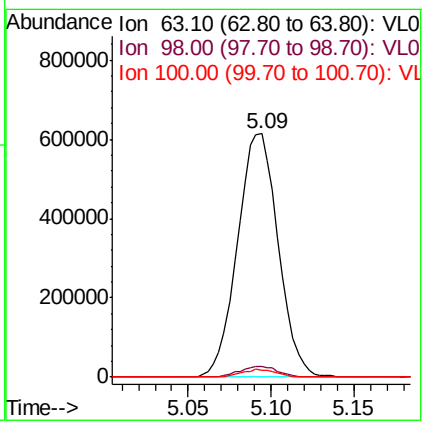


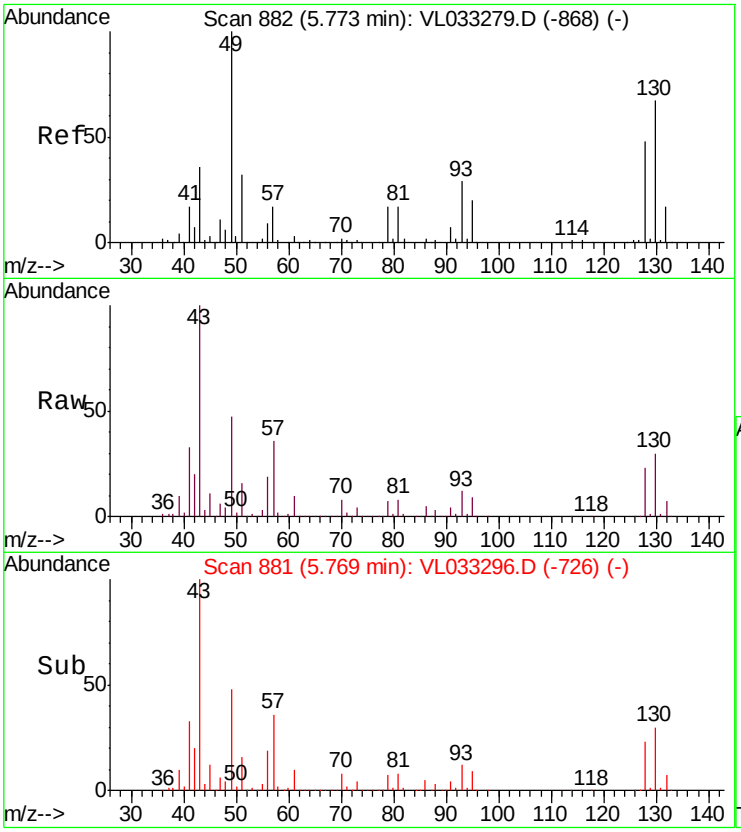


#24
1,1-Dichloroethane
Concen: 9.101 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 63 Resp: 1048071

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.8	1.5	4.4



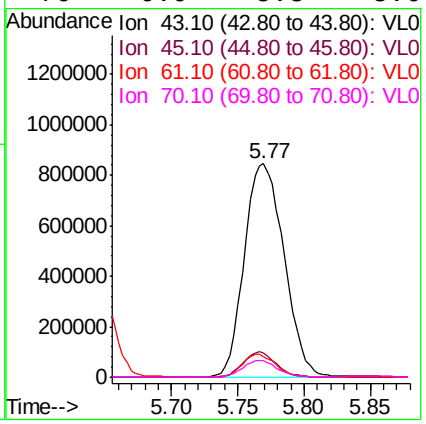


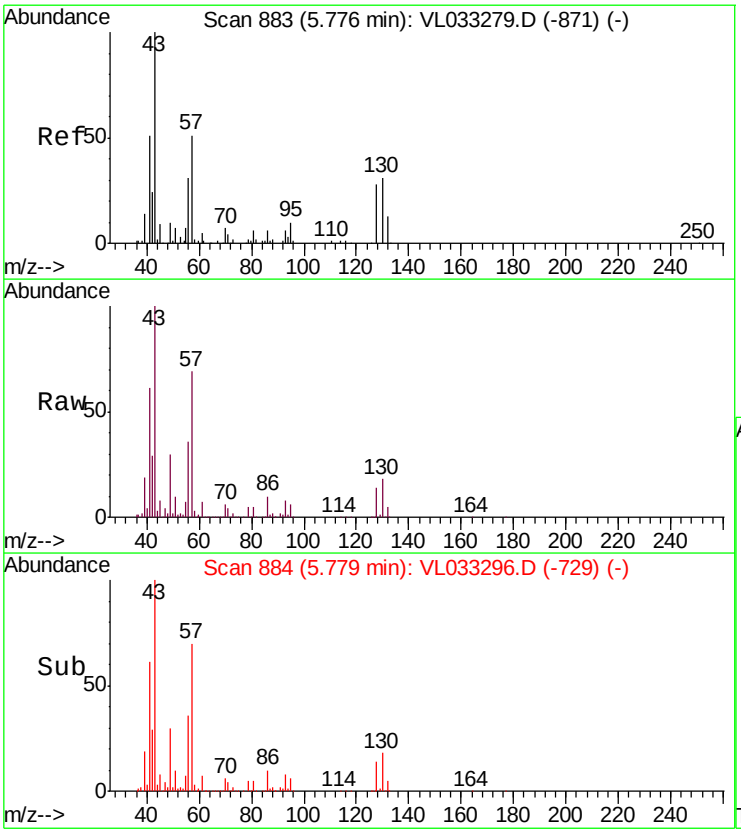
#25
Ethyl Acetate
Concen: 9.038 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 43 Resp: 1765000

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.3	7.3	10.9
70	6.9	5.8	8.6

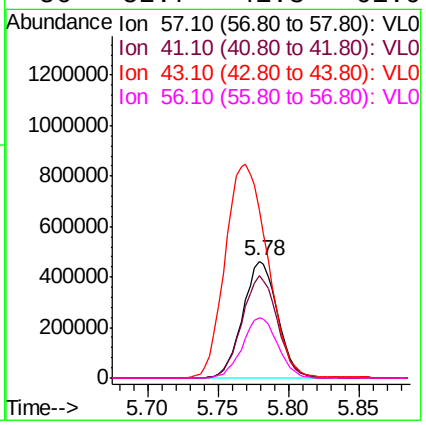


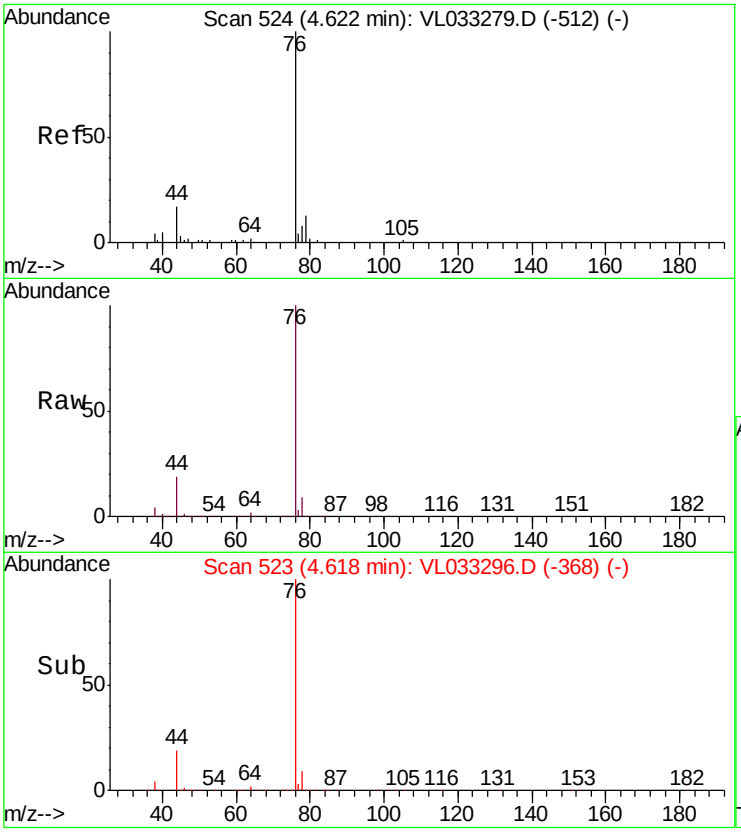


#26
Hexane
Concen: 8.675 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 57 Resp: 795159

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.7	106.1
43	223.1	178.6	267.8
56	52.7	41.3	61.9



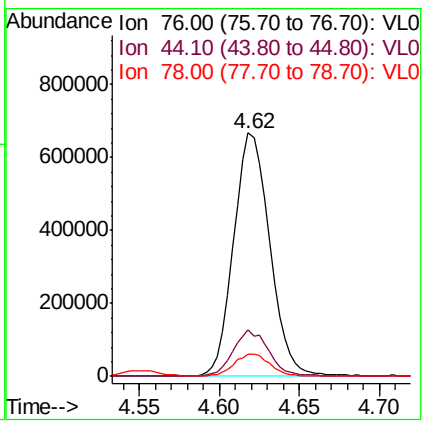


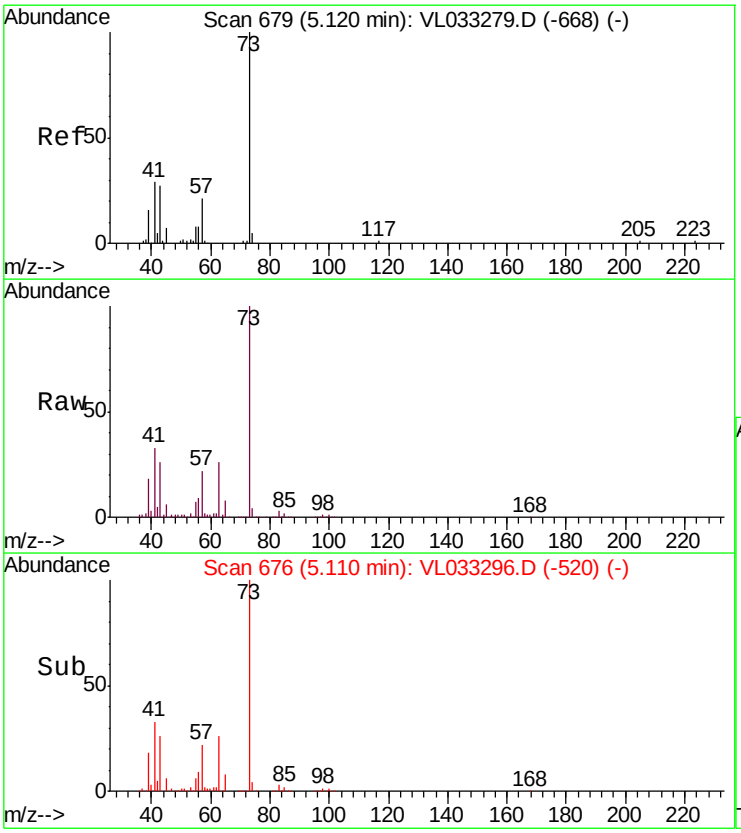
#27
Carbon Disulfide
Concen: 10.552 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 76 Resp: 1026244

Ion	Ratio	Lower	Upper
76	100		
44	18.4	15.1	22.7
78	9.2	7.4	11.0

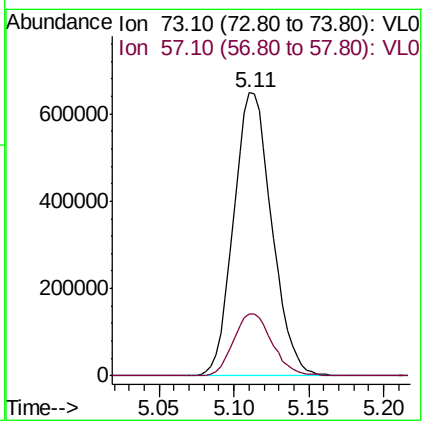


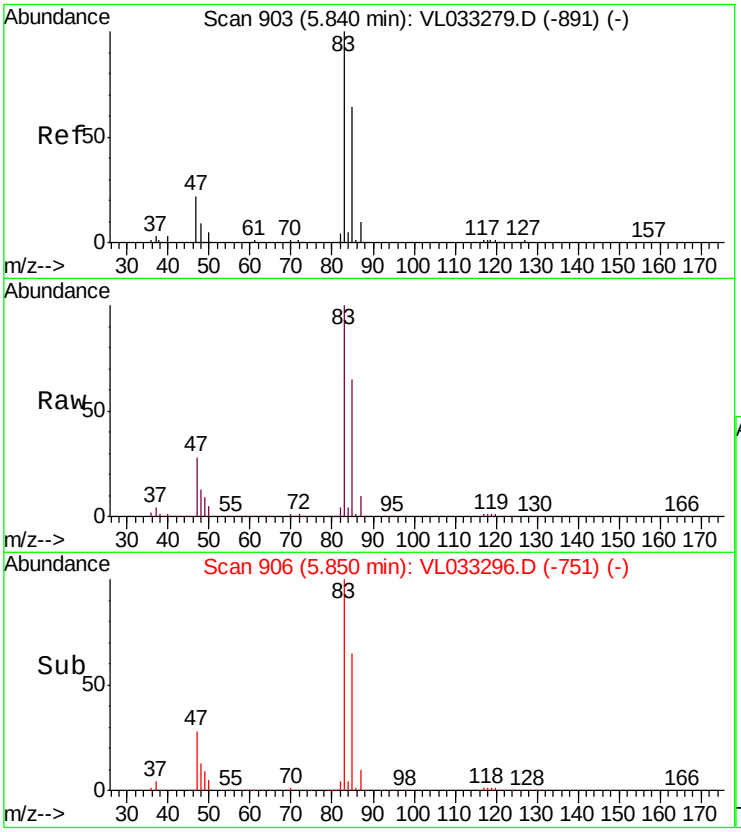


#28
Methyl tert-Butyl Ether
Concen: 8.863 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 73 Resp: 1152998

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9



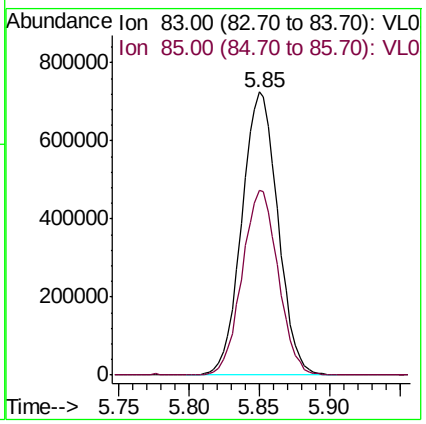


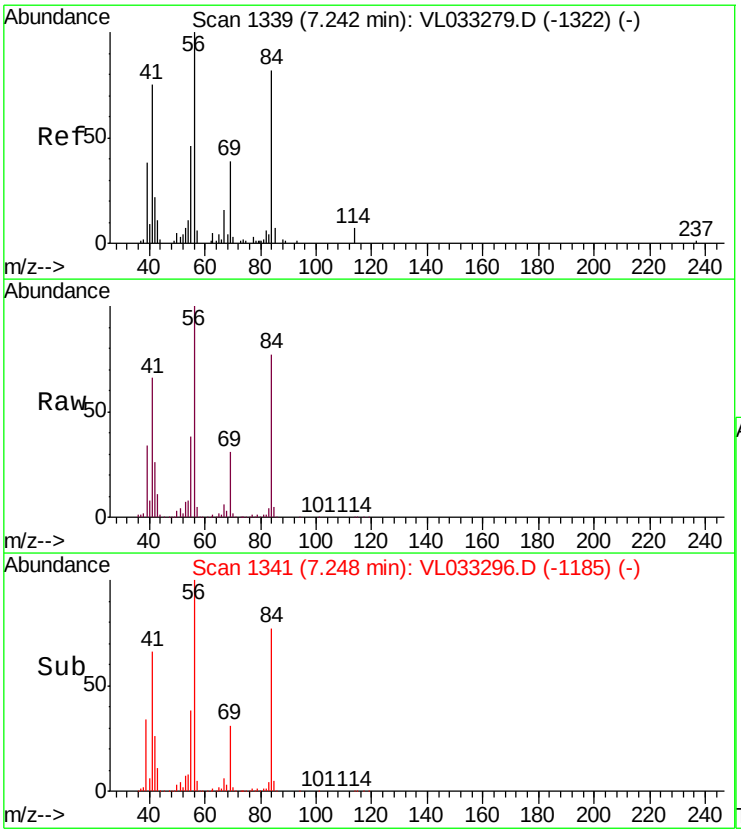
#29
Chloroform
Concen: 9.329 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 83 Resp: 1300985

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7

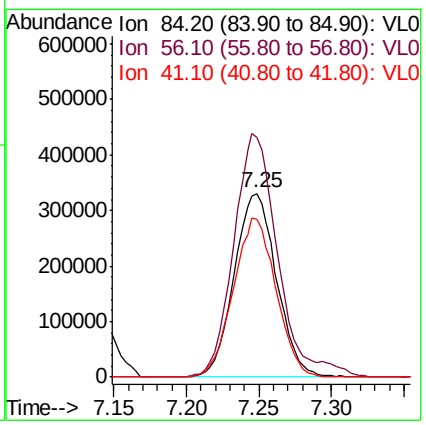


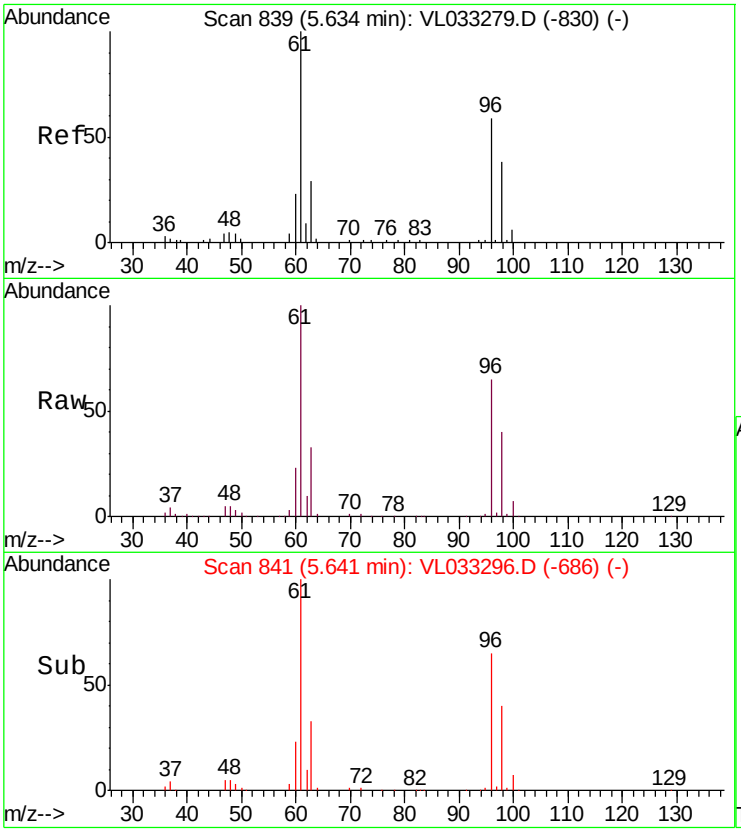


#30
Cyclohexane
Concen: 9.448 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 84 Resp: 671449

Ion	Ratio	Lower	Upper
84	100		
56	138.7	112.0	168.0
41	87.1	69.9	104.9



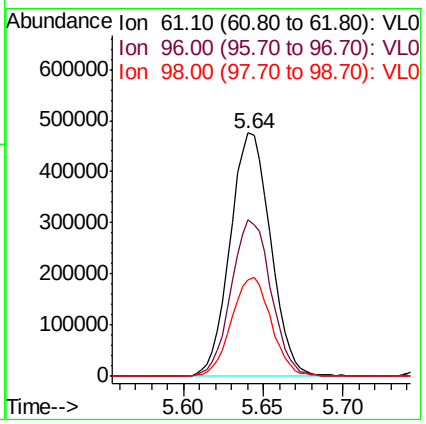


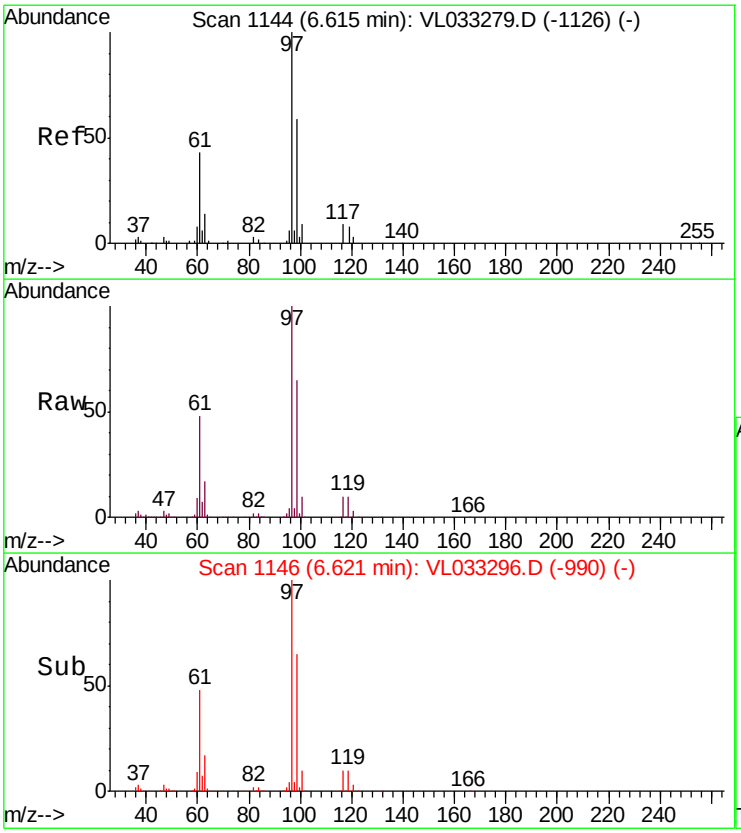
#31
cis-1,2-Dichloroethene
Concen: 9.337 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 61 Resp: 820458

Ion	Ratio	Lower	Upper
61	100		
96	64.4	51.8	77.8
98	39.7	32.9	49.3

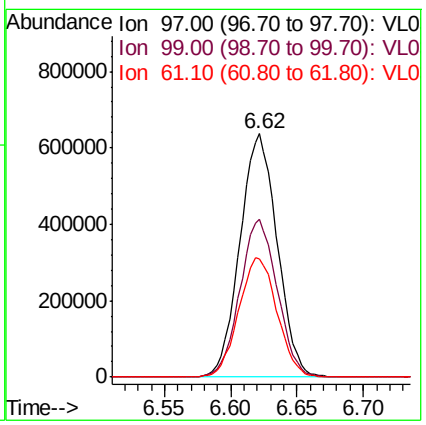


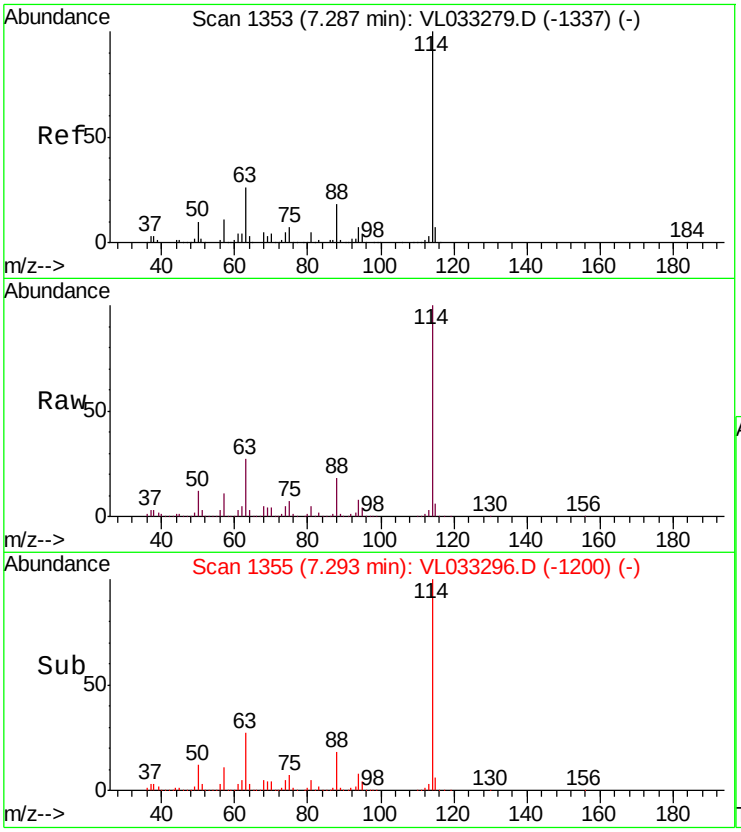


#32
1,1,1-Trichloroethane
Concen: 9.165 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 97 Resp: 1245360

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	50.5	39.7	59.5



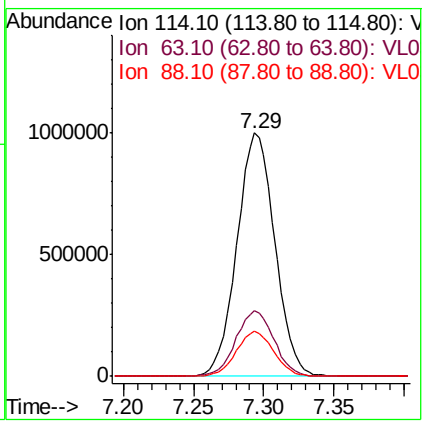


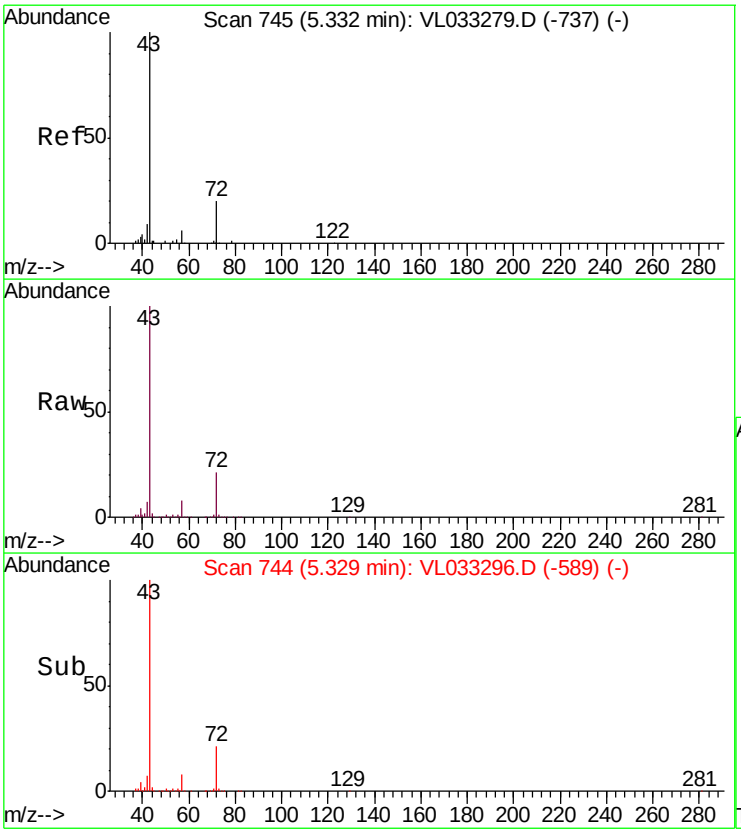
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:114 Resp: 1885465

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.5	32.3
88	18.3	14.6	22.0

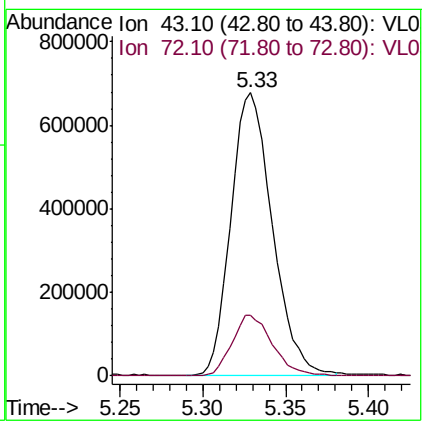


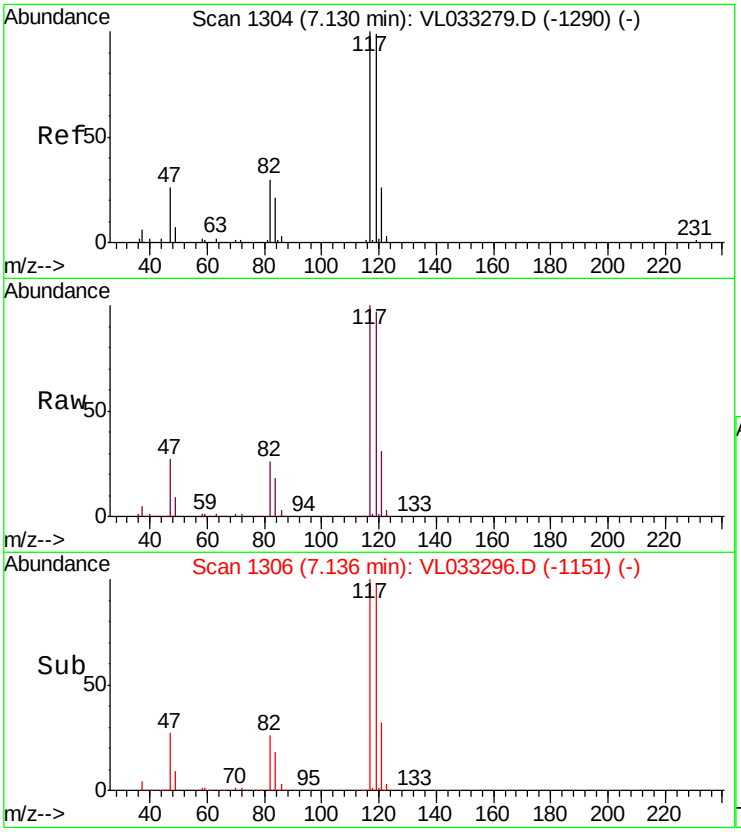


#34
2-Butanone
Concen: 9.456 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 43 Resp: 1178977

Ion	Ratio	Lower	Upper
43	100		
72	21.0	17.0	25.6



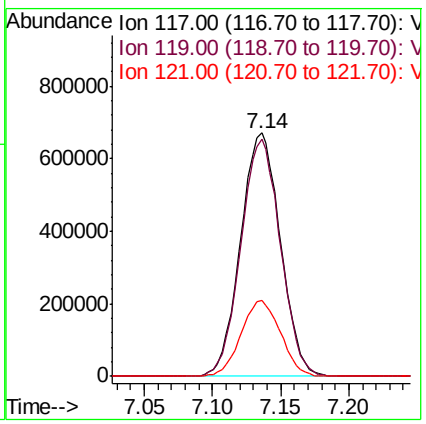


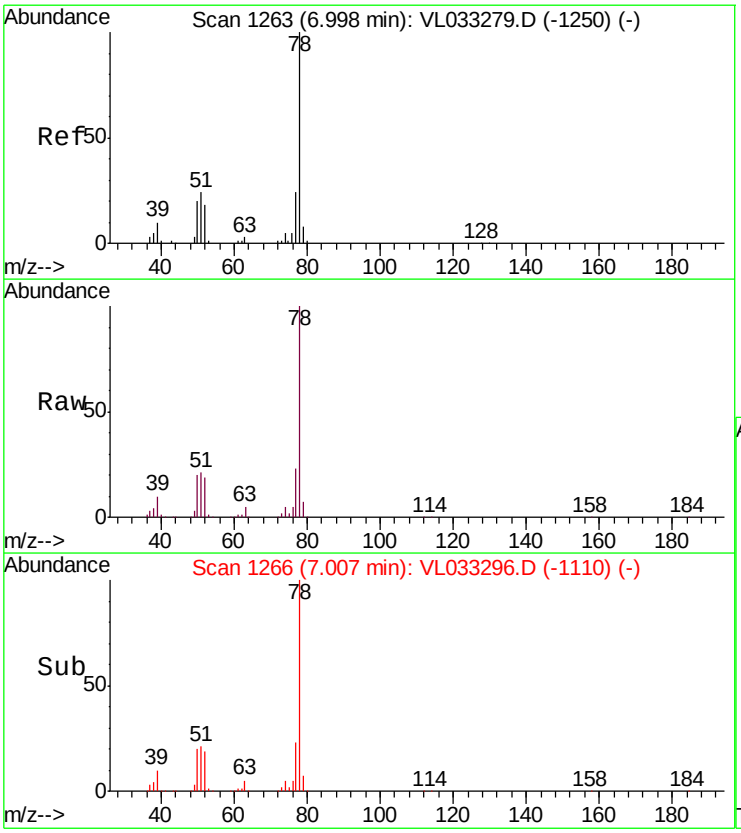
#35
Carbon Tetrachloride
Concen: 9.879 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:117 Resp: 1360992

Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
121	31.3	24.9	37.3

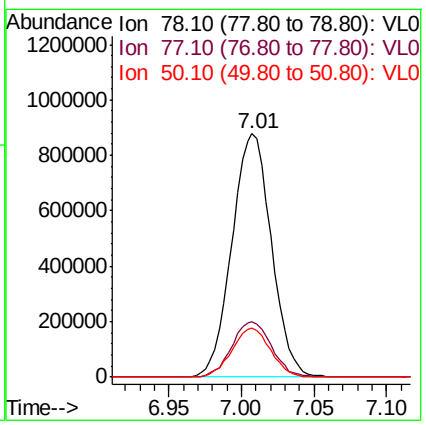


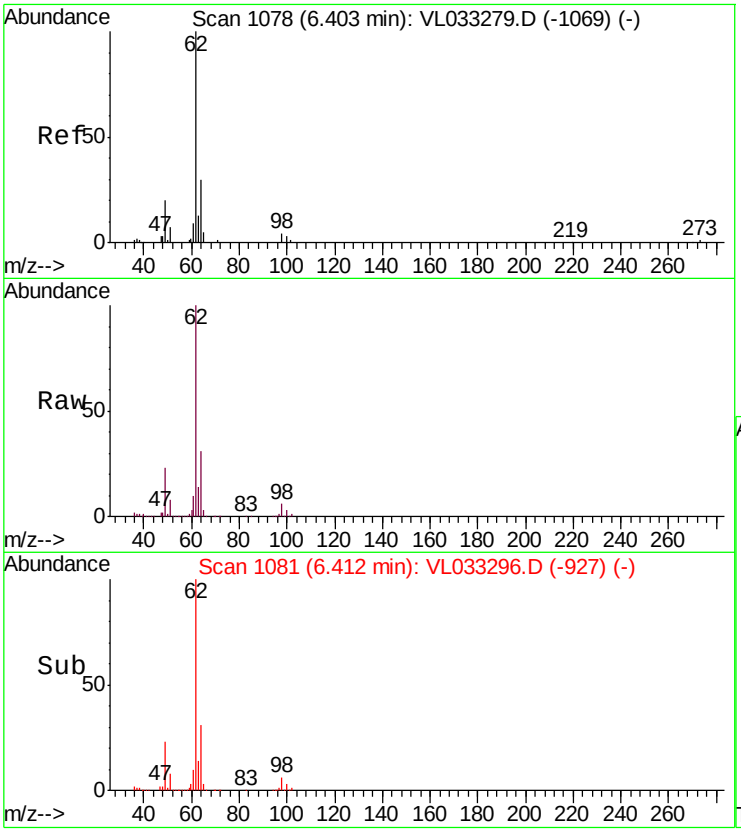


#36
Benzene
Concen: 9.519 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 78 Resp: 1655245

Ion	Ratio	Lower	Upper
78	100		
77	22.7	17.7	26.5
50	20.0	15.7	23.5



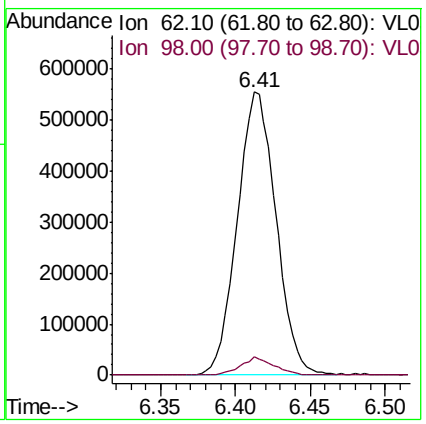


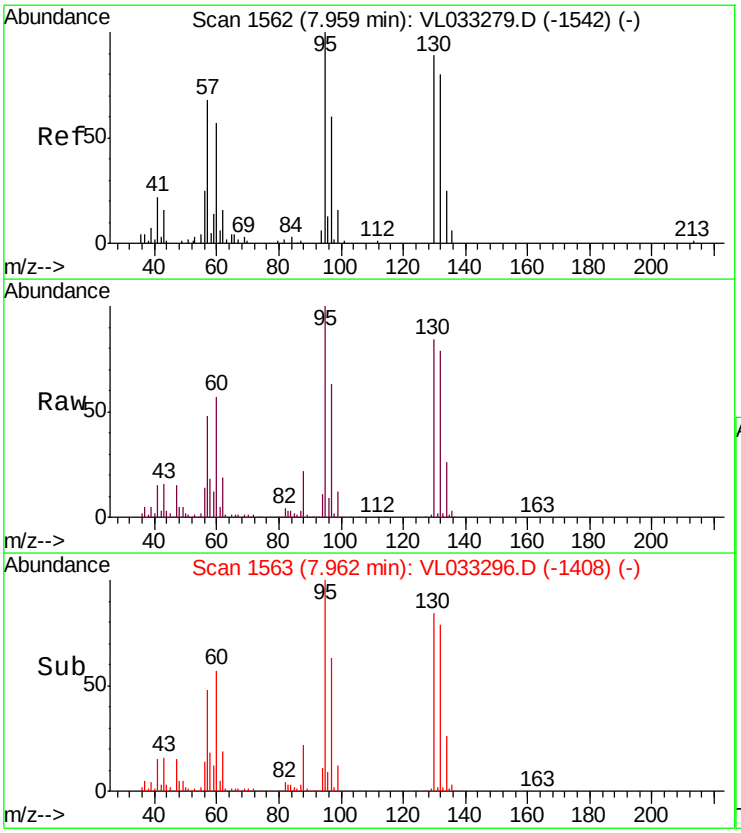
#37
1,2-Dichloroethane
Concen: 9.605 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 62 Resp: 1001757

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

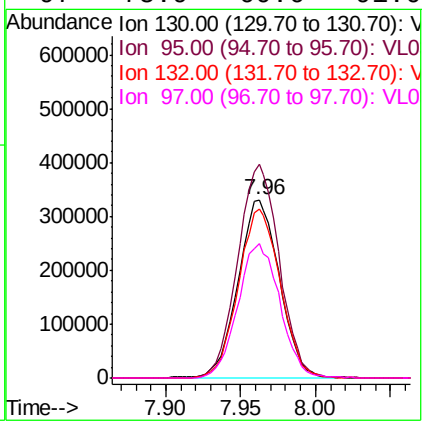


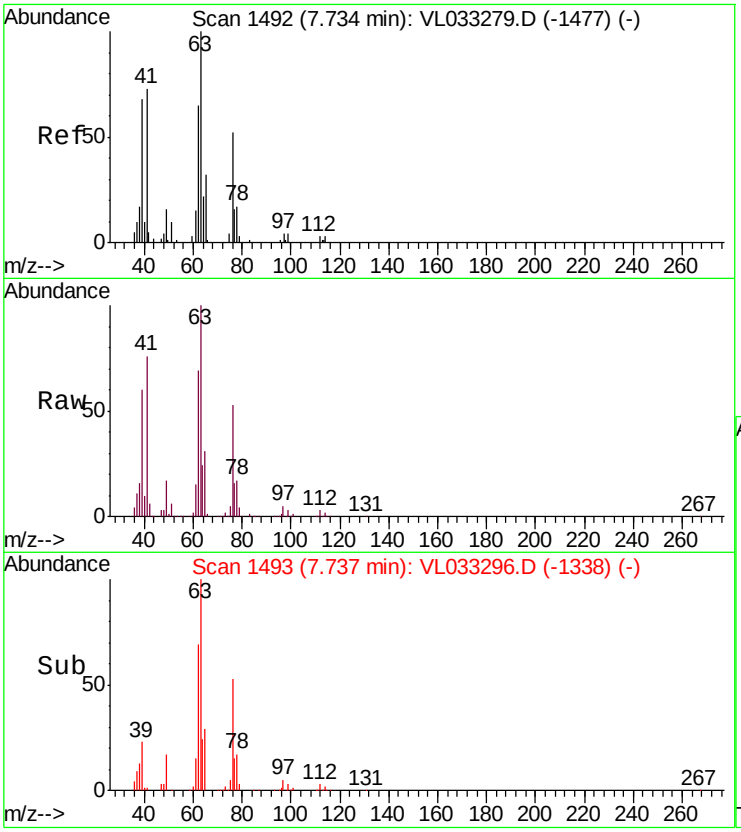


#38
Trichloroethene
Concen: 9.295 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:130 Resp: 630054

Ion	Ratio	Lower	Upper
130	100		
95	119.9	93.3	139.9
132	94.5	75.4	113.2
97	75.9	60.6	91.0



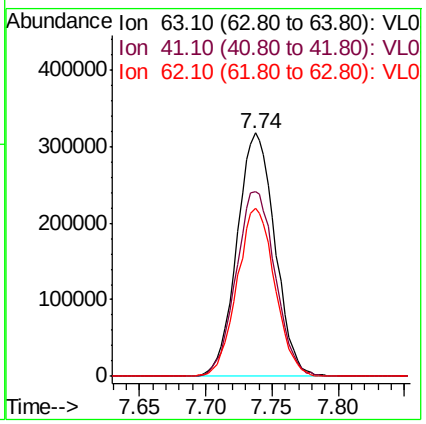


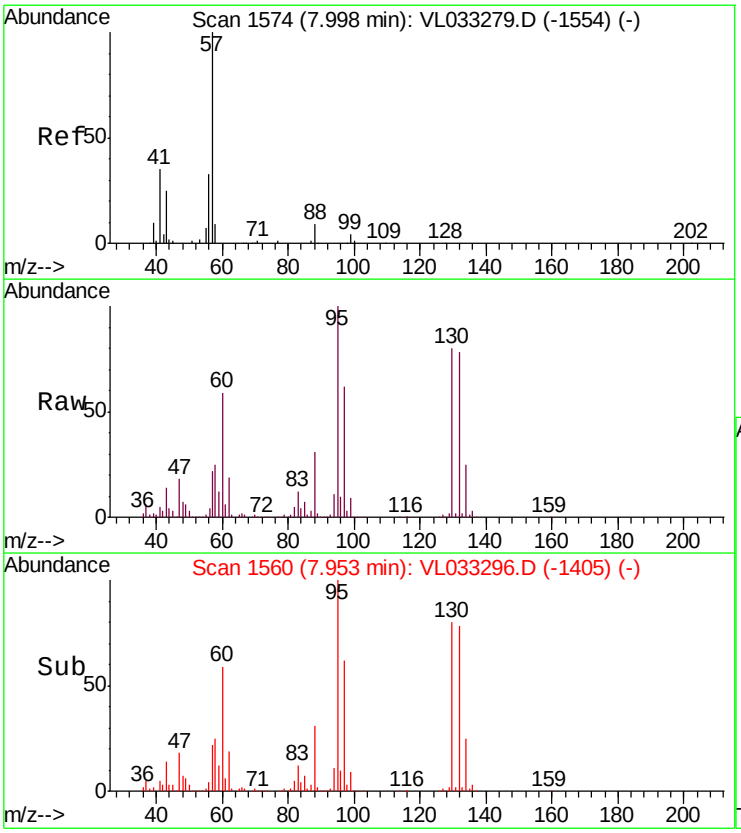
#39
1,2-Dichloropropane
Concen: 9.634 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 63 Resp: 630387

Ion	Ratio	Lower	Upper
63	100		
41	75.9	58.3	87.5
62	69.1	55.3	82.9

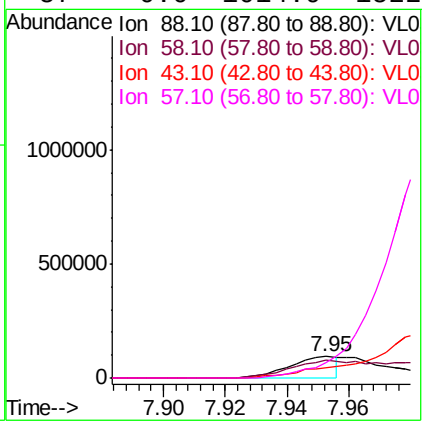


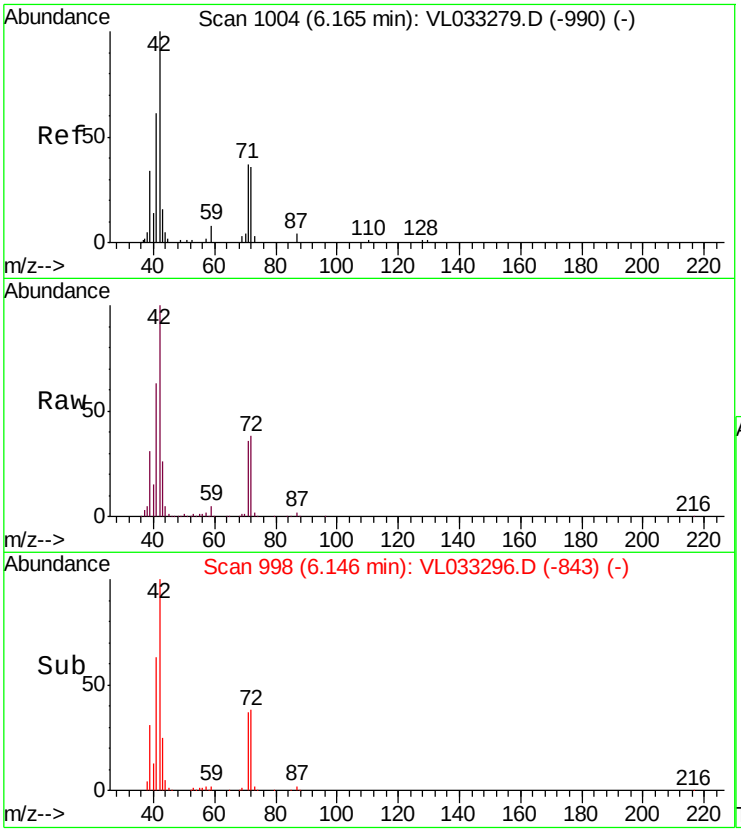


#40
1,4-Dioxane
Concen: 4.133 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 88 Resp: 101798

Ion	Ratio	Lower	Upper
88	100		
58	284.5	107.0	160.6#
43	0.0	230.2	345.4#
57	0.0	1014.9	1522.3#



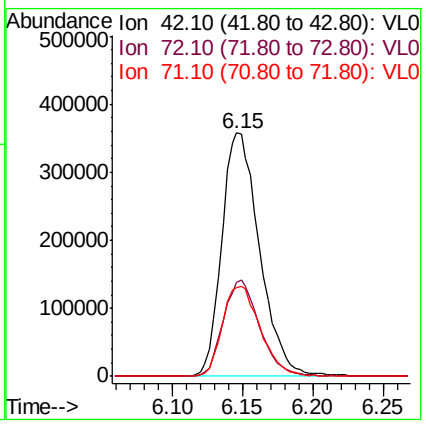


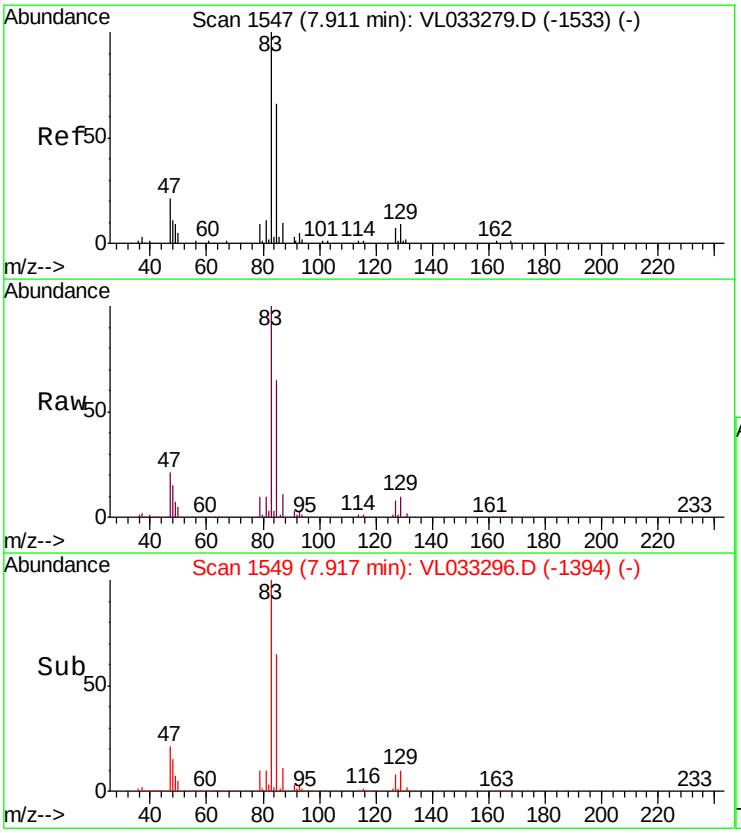
#41
Tetrahydrofuran
Concen: 9.667 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 42 Resp: 669158

Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.6	46.0
71	37.6	29.7	44.5

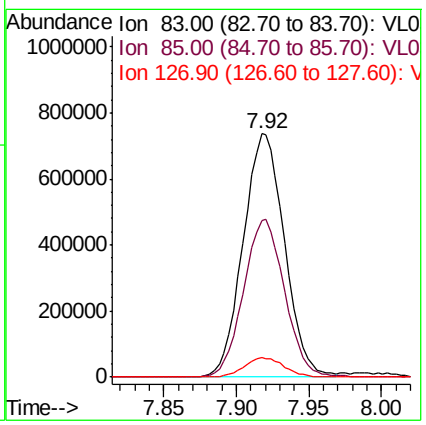


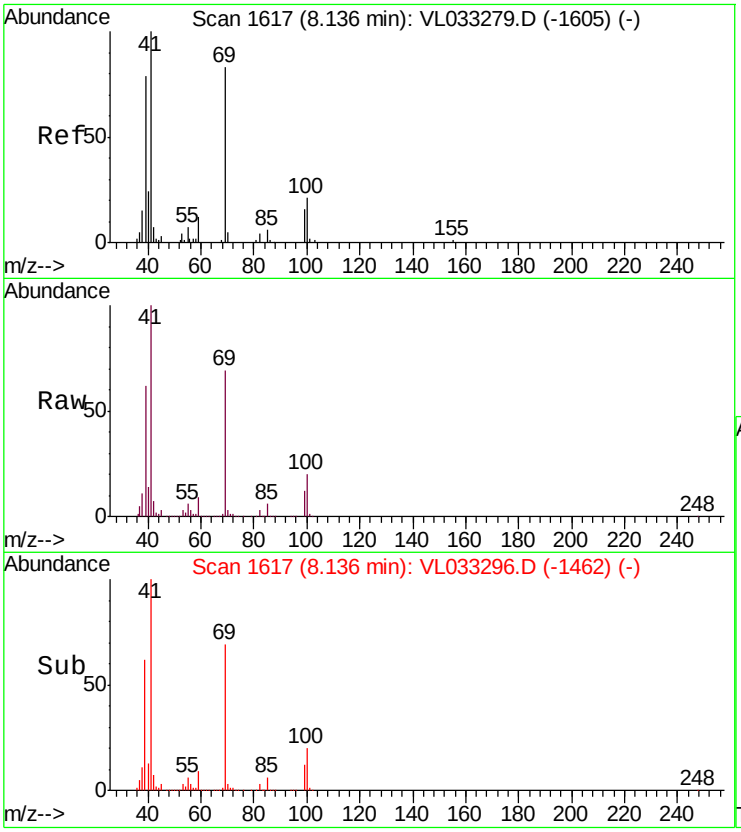


#42
Bromodichloromethane
Concen: 10.206 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 83 Resp: 1465386

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4
127	7.9	6.0	9.0



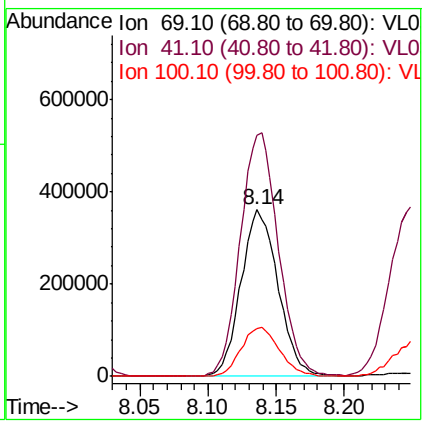


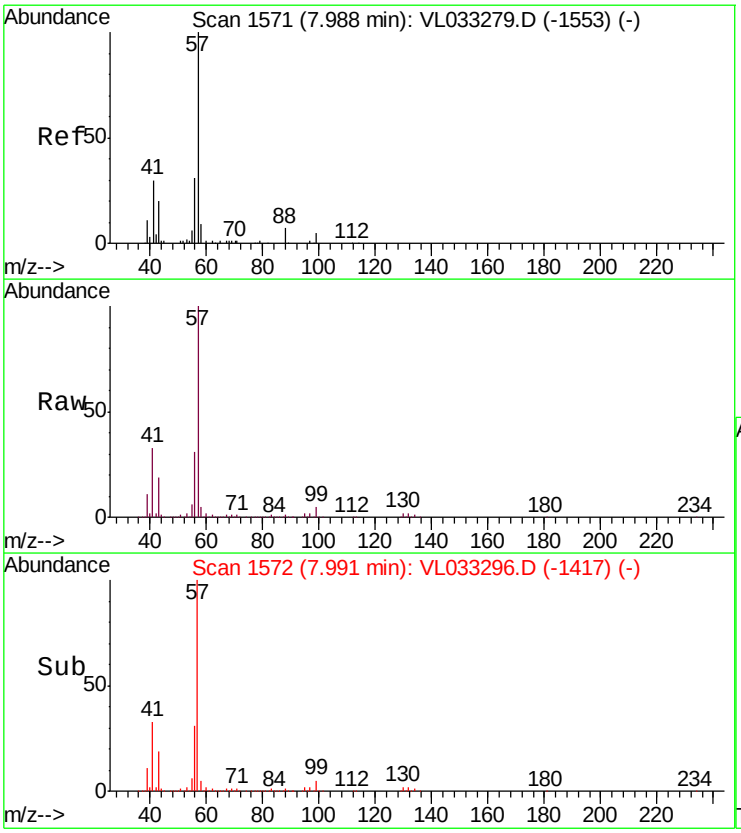
#43
Methyl Methacrylate
Concen: 10.091 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 69 Resp: 683940

Ion	Ratio	Lower	Upper
69	100		
41	149.2	121.0	181.4
100	30.2	24.4	36.6

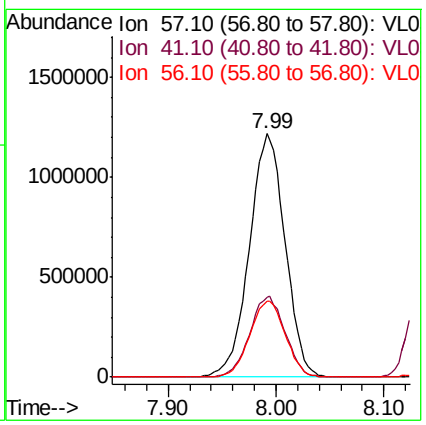


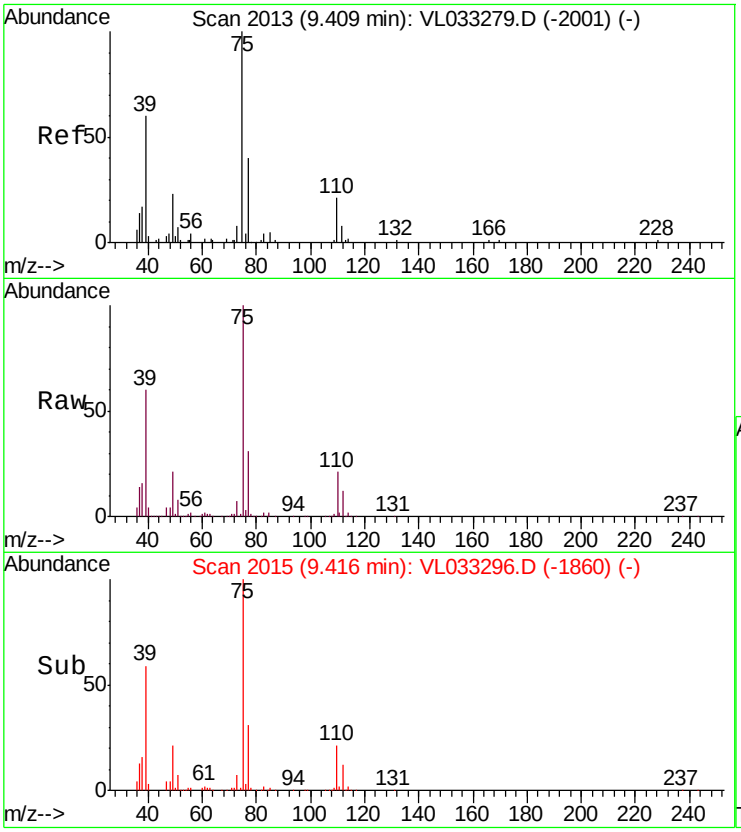


#44
2,2,4-Trimethylpentane
Concen: 9.484 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 57 Resp: 2801320

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.2	39.2
56	31.1	24.8	37.2



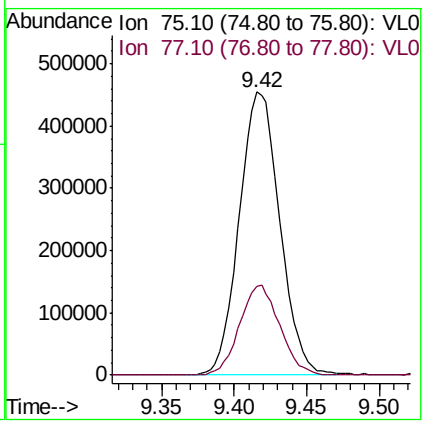


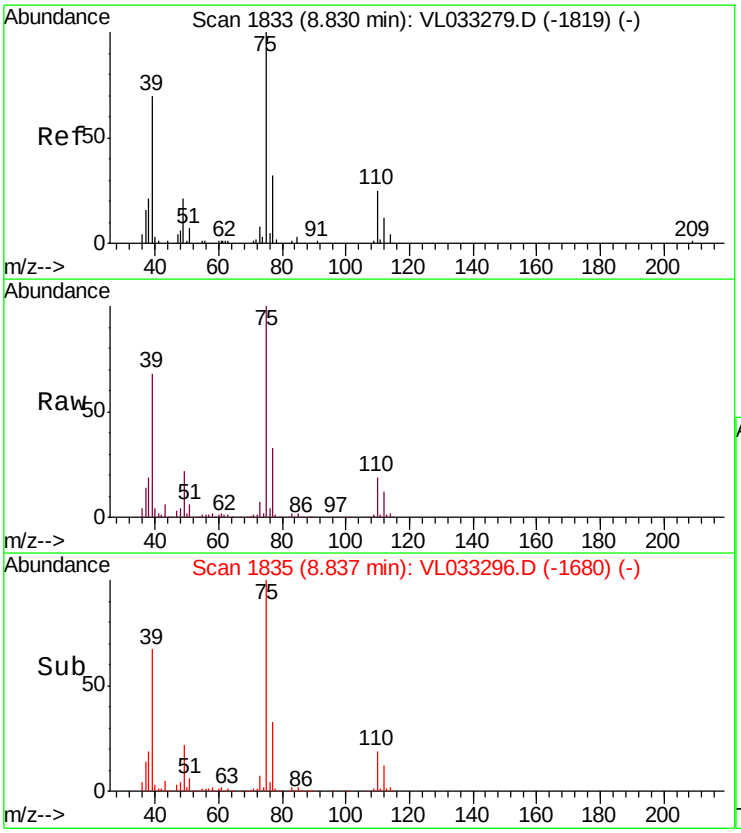
#45
t-1,3-Dichloropropene
Concen: 10.648 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion: 75 Resp: 887175

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6

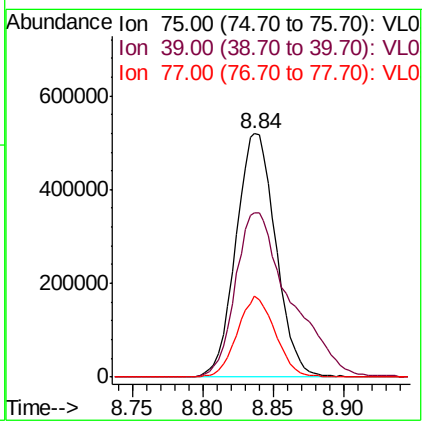


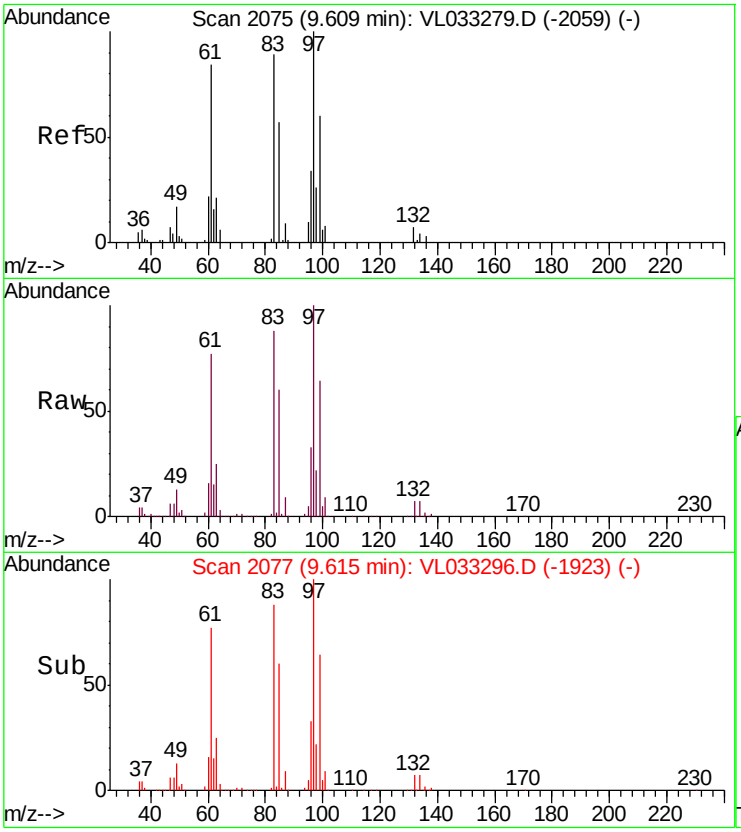


#46
cis-1,3-Dichloropropene
Concen: 10.477 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 75 Resp: 1023159

Ion	Ratio	Lower	Upper
75	100		
39	67.5	54.2	81.2
77	33.5	24.5	36.7



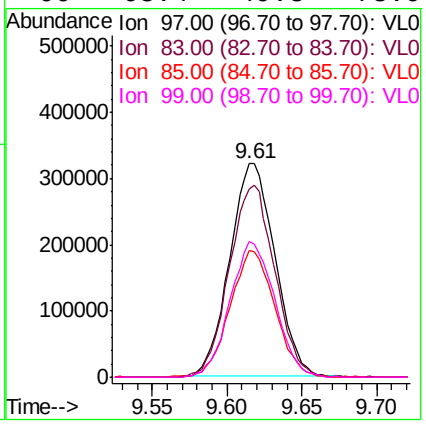


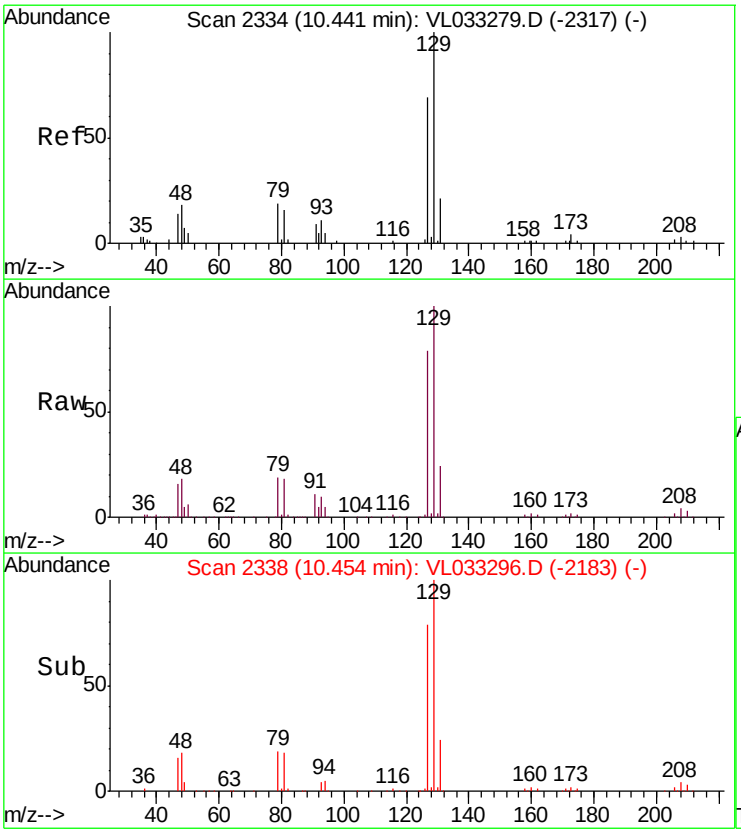
#47
1,1,2-Trichloroethane
Concen: 9.674 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 97 Resp: 675964

Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.0	106.4
85	59.6	48.2	72.4
99	63.4	49.3	73.9

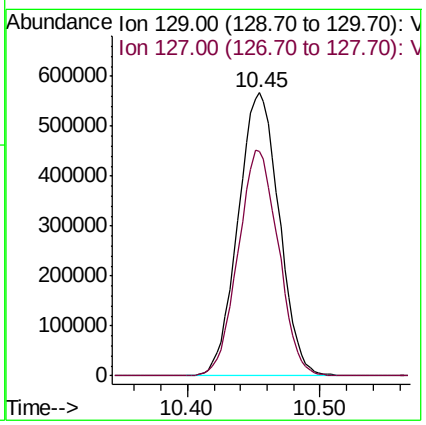


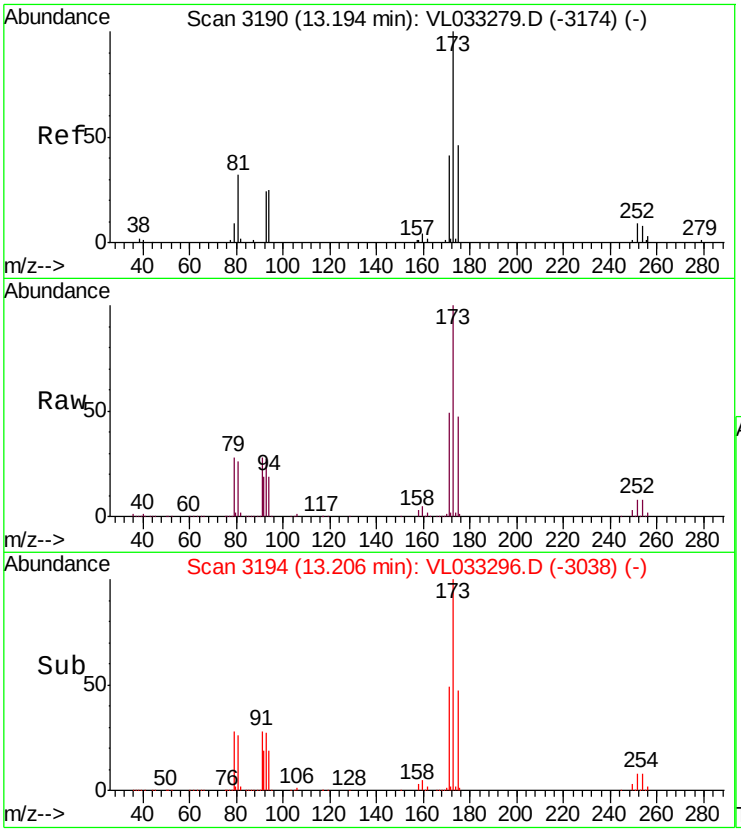


#48
Dibromochloromethane
Concen: 10.661 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:129 Resp: 1221443

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6



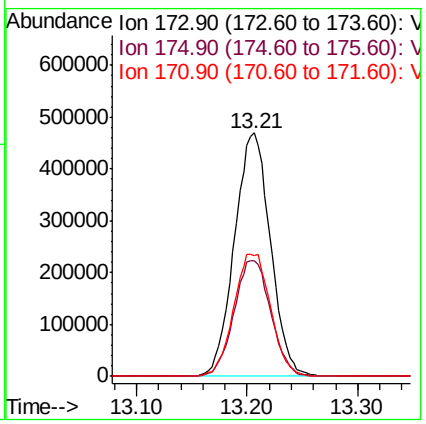


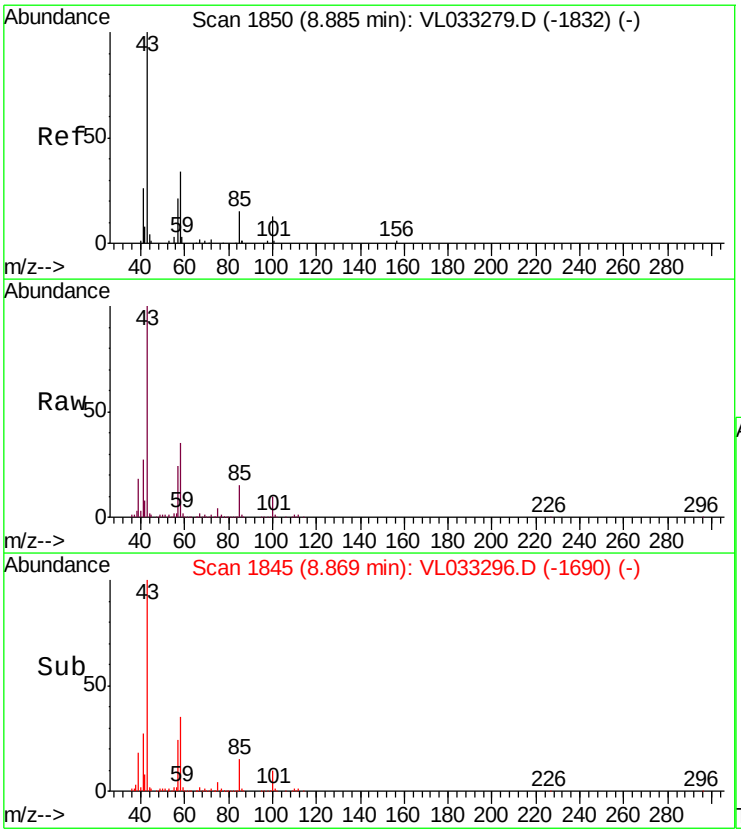
#49
Bromoform
Concen: 11.416 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:173 Resp: 1060102

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.6
171	51.8	41.2	61.8

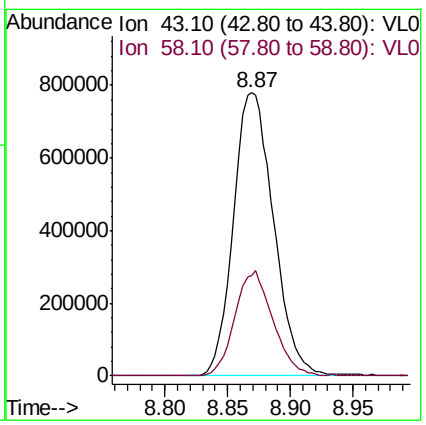


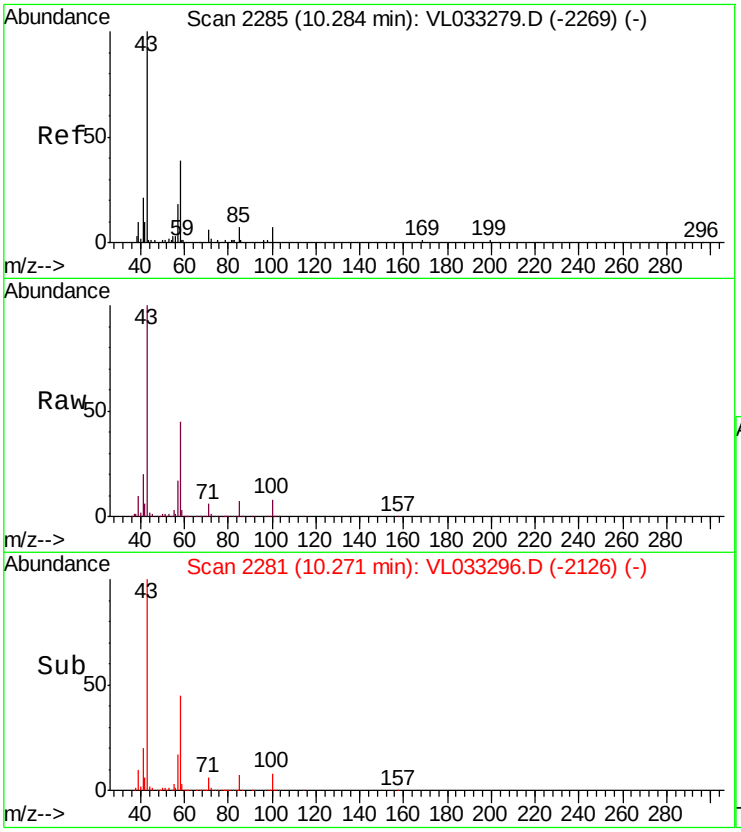


#50
4-Methyl-2-Pentanone
Concen: 9.744 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 43 Resp: 1733871

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0



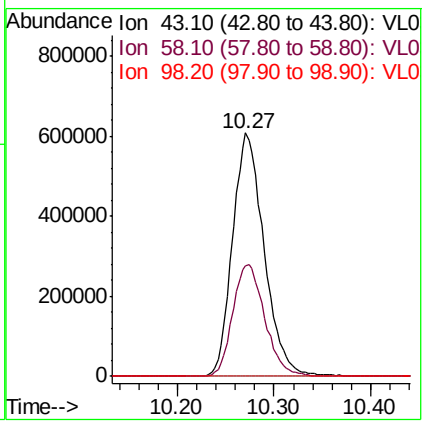


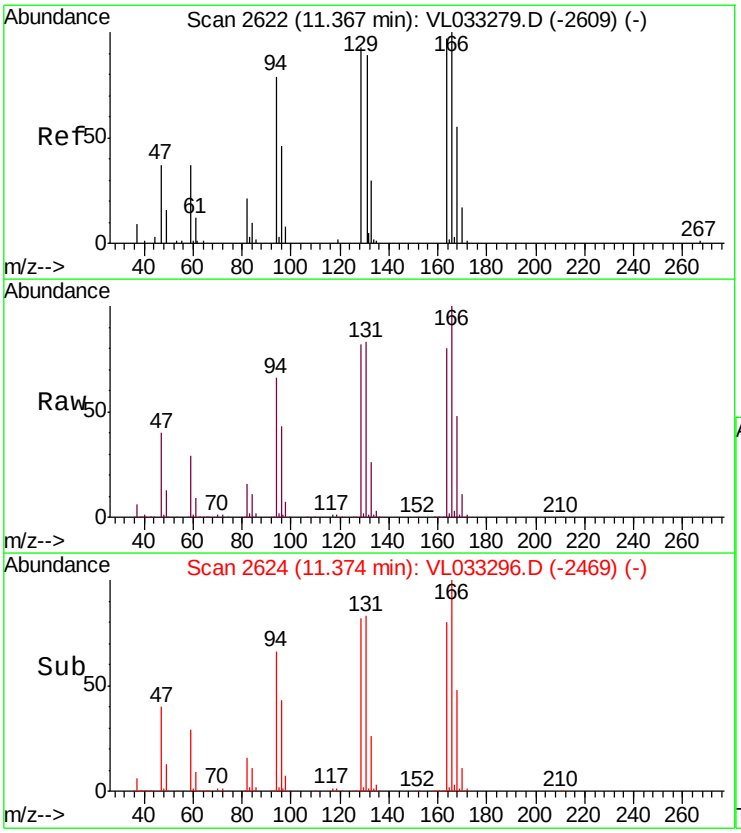
#51
2-Hexanone
Concen: 10.165 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 43 Resp: 1380712

Ion	Ratio	Lower	Upper
43	100		
58	46.6	38.1	57.1
98	0.3	0.1	0.1#

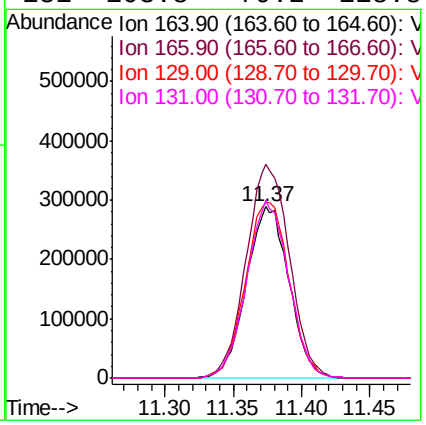


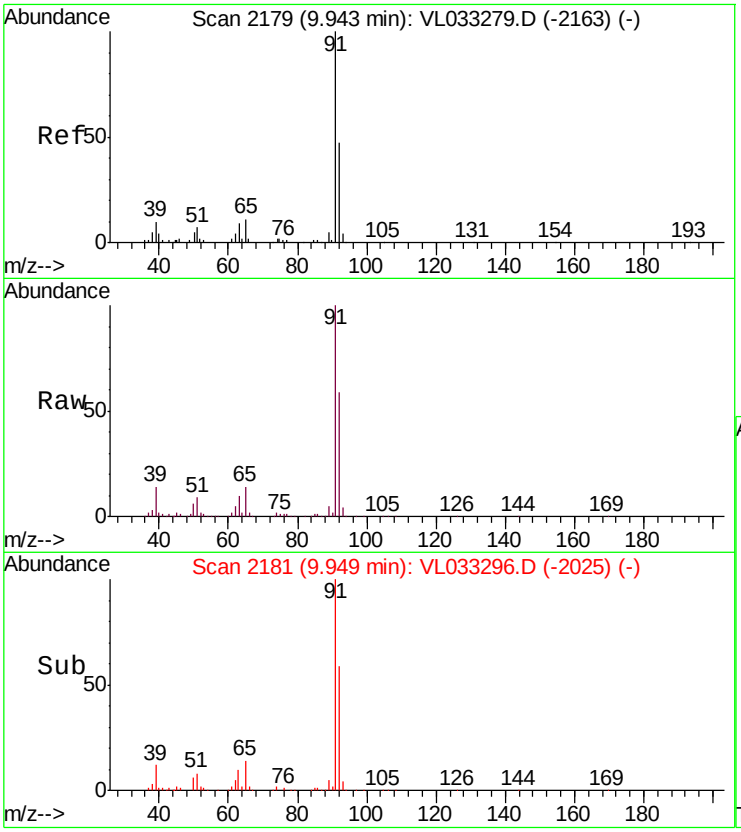


#52
Tetrachloroethene
Concen: 9.775 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:164 Resp: 623071

Ion	Ratio	Lower	Upper
164	100		
166	124.6	100.8	151.2
129	102.0	80.6	121.0
131	103.8	79.2	118.8



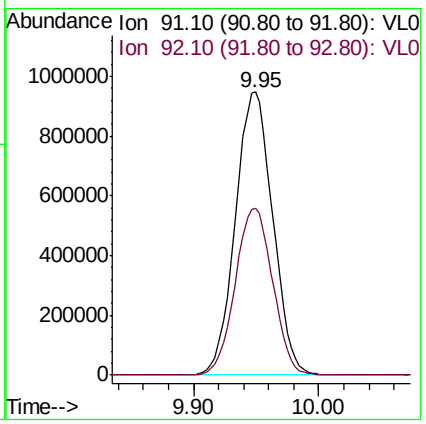


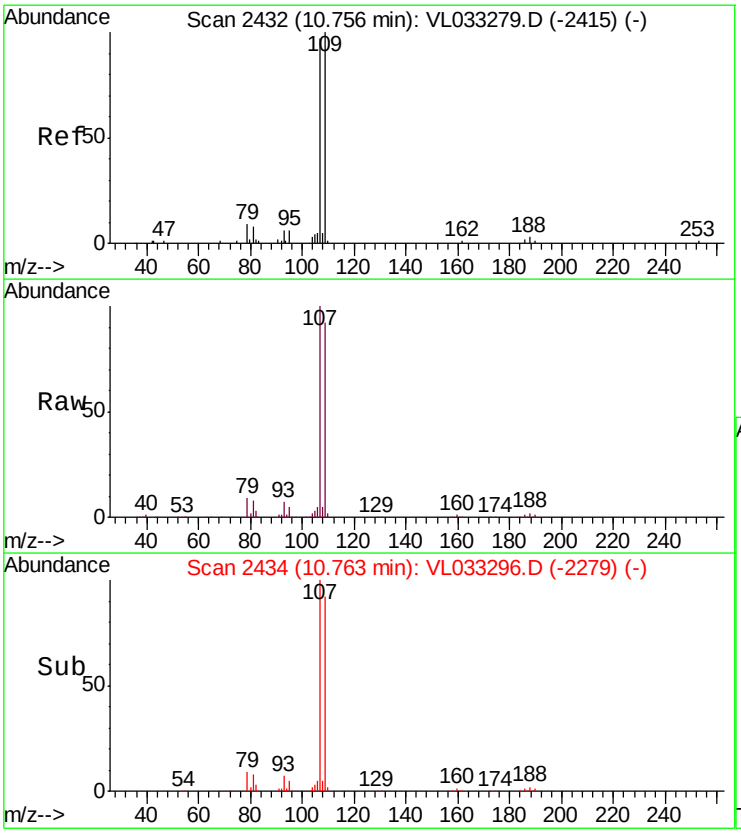
#53
Toluene
Concen: 9.793 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 91 Resp: 1962805

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.8	71.8

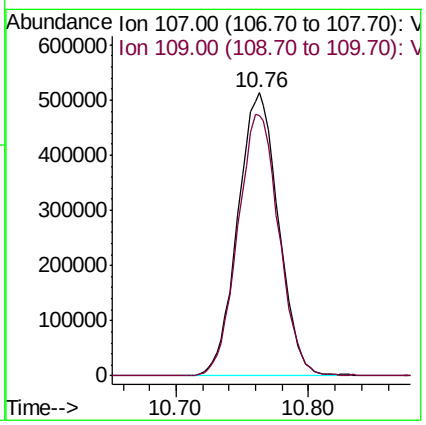


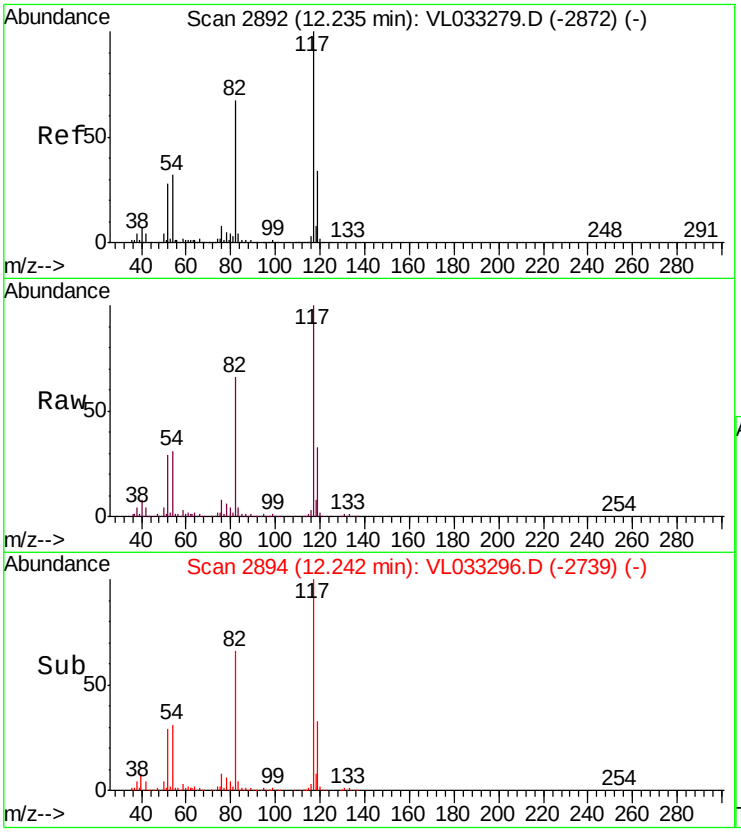


#54
1,2-Dibromoethane
Concen: 10.170 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:107 Resp: 1092258

Ion	Ratio	Lower	Upper
107	100		
109	91.9	74.2	111.2



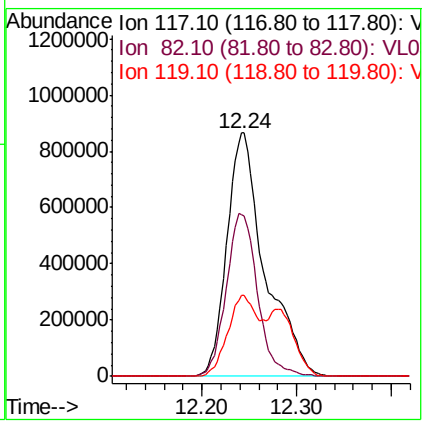


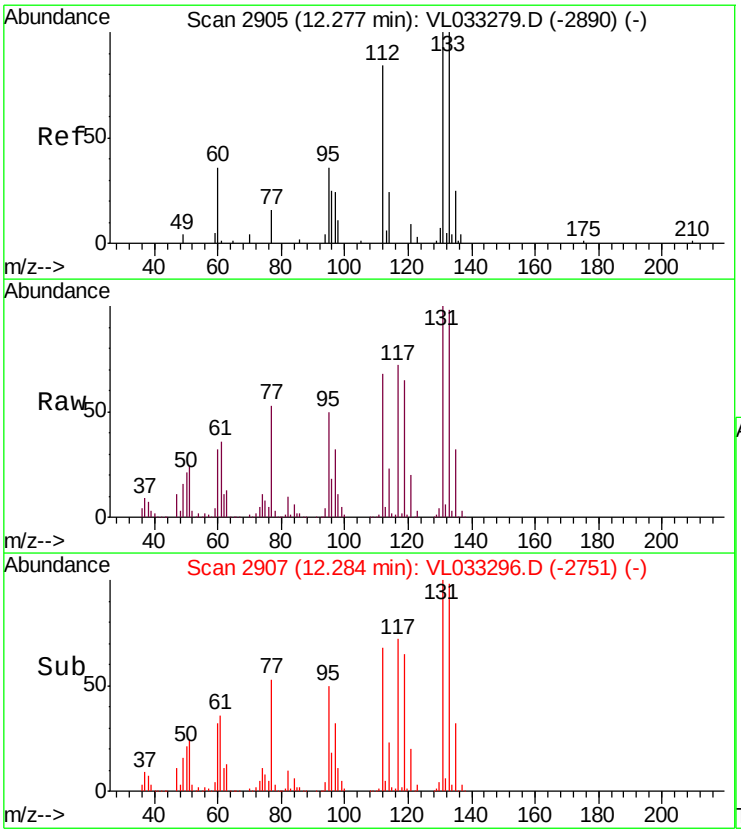
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:117 Resp: 2414564

Ion	Ratio	Lower	Upper
117	100		
82	55.3	51.1	76.7
119	46.4	43.6	65.4

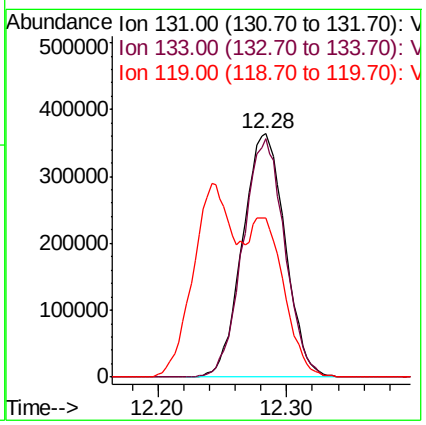


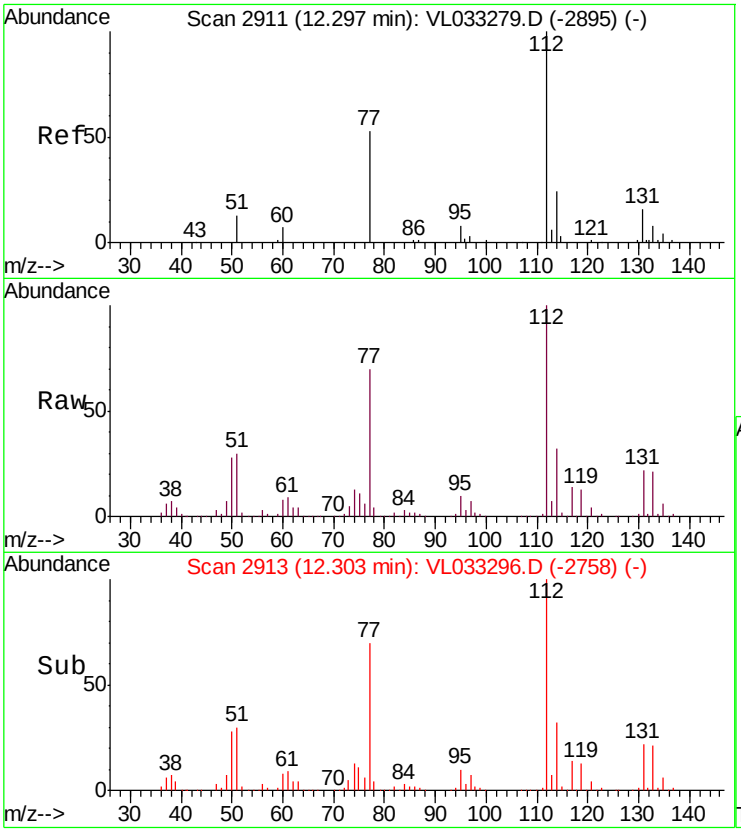


#56
1,1,1,2-Tetrachloroethane
Concen: 8.136 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:131 Resp: 835104

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.2	114.4
119	57.5	110.3	165.5#



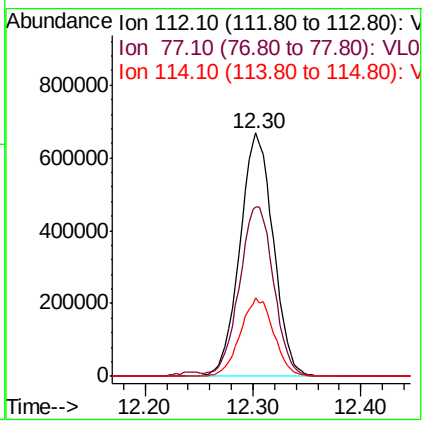


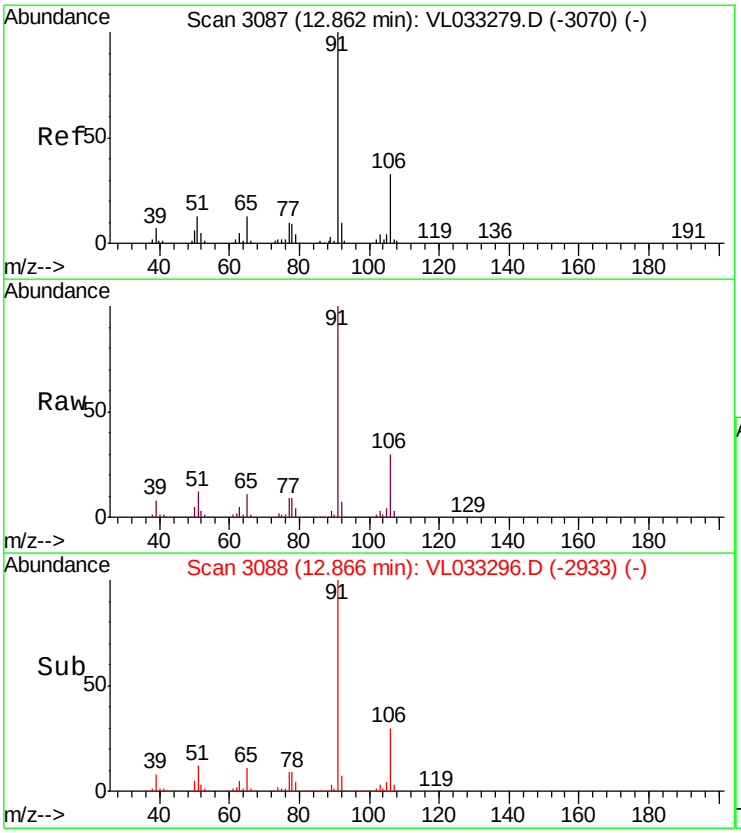
#57
Chlorobenzene
Concen: 7.889 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:112 Resp: 1436565

Ion	Ratio	Lower	Upper
112	100		
77	69.5	55.8	83.8
114	32.1	29.5	36.1

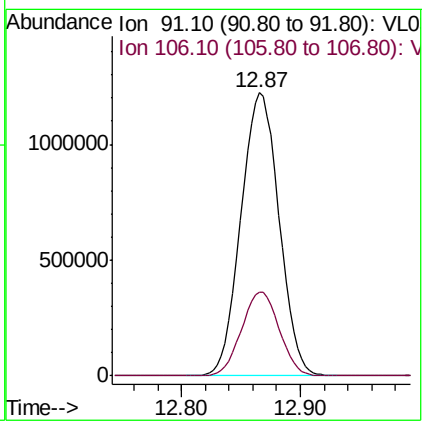


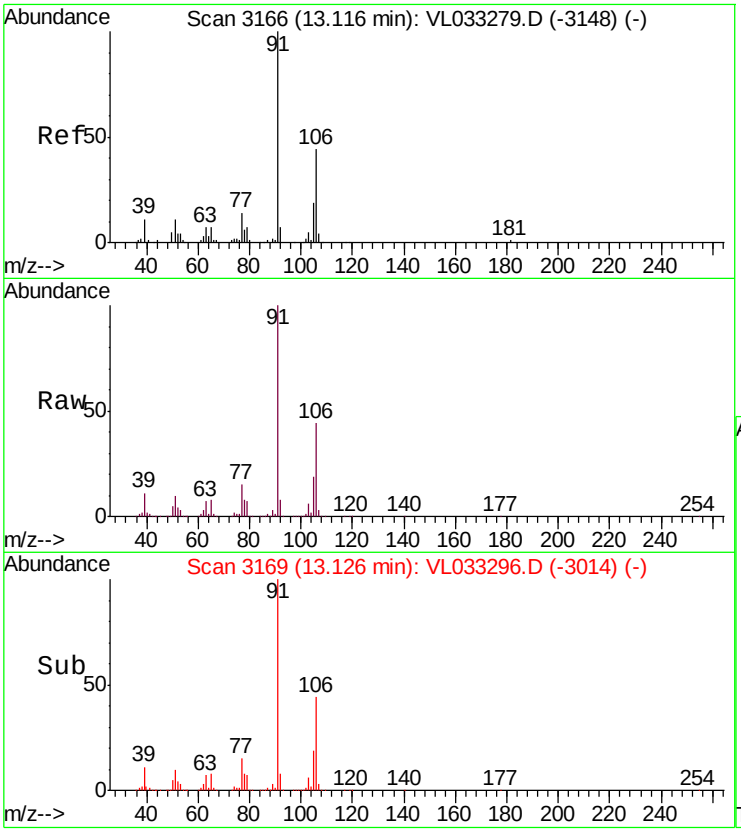


#58
Ethyl Benzene
Concen: 8.175 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 91 Resp: 2712631

Ion	Ratio	Lower	Upper
91	100		
106	29.7	22.5	33.7



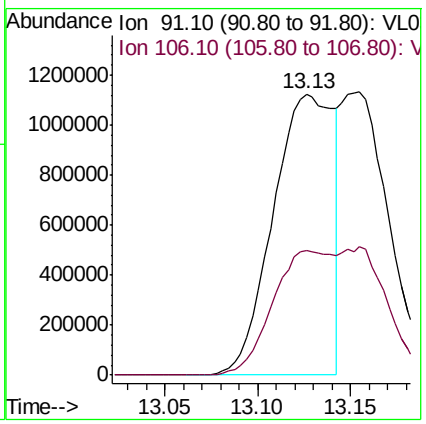


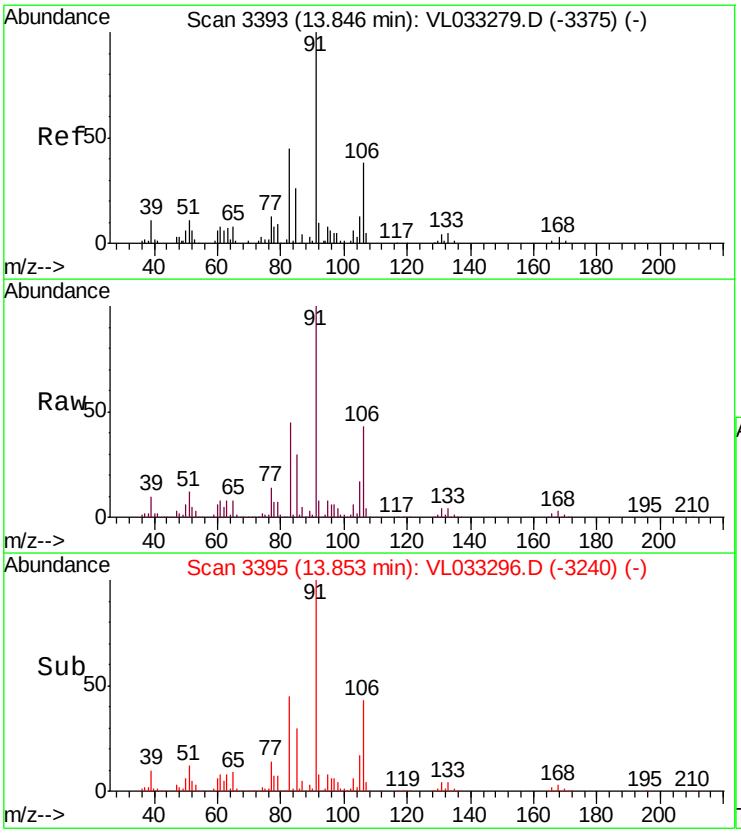
#59
m/p-Xylene
Concen: 9.180 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 91 Resp: 2547236

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

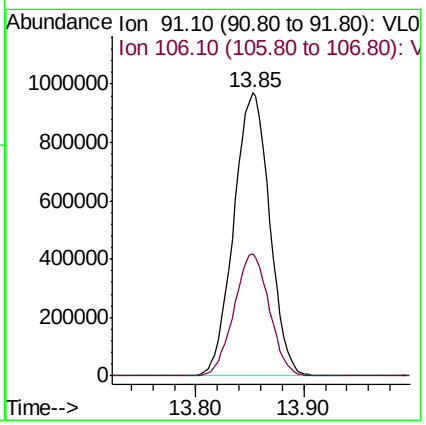


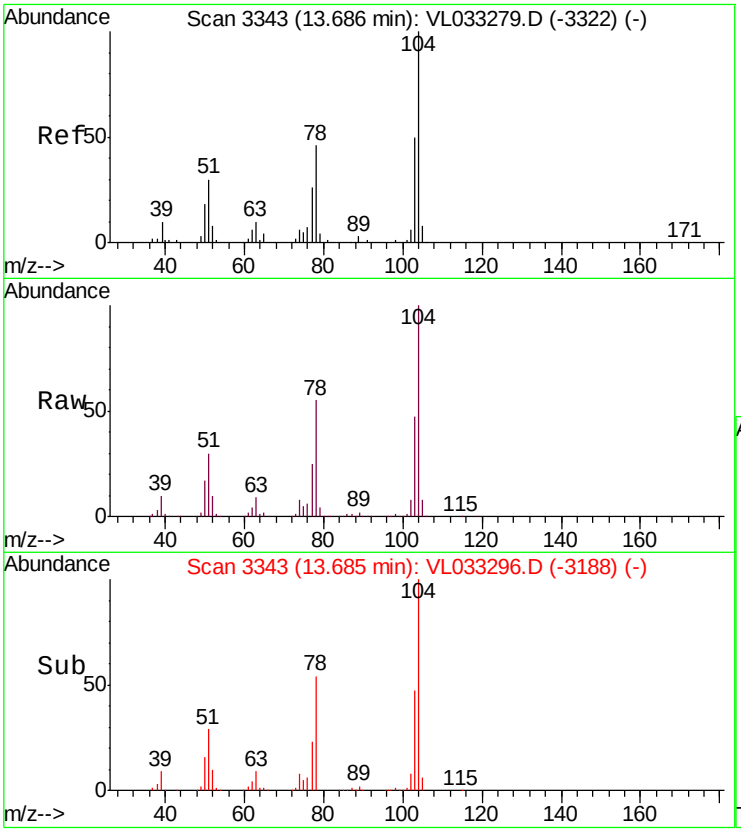


#60
o-Xylene
Concen: 8.380 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 91 Resp: 2235562

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.3	63.7



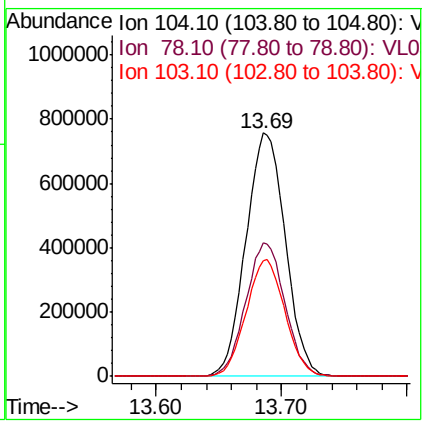


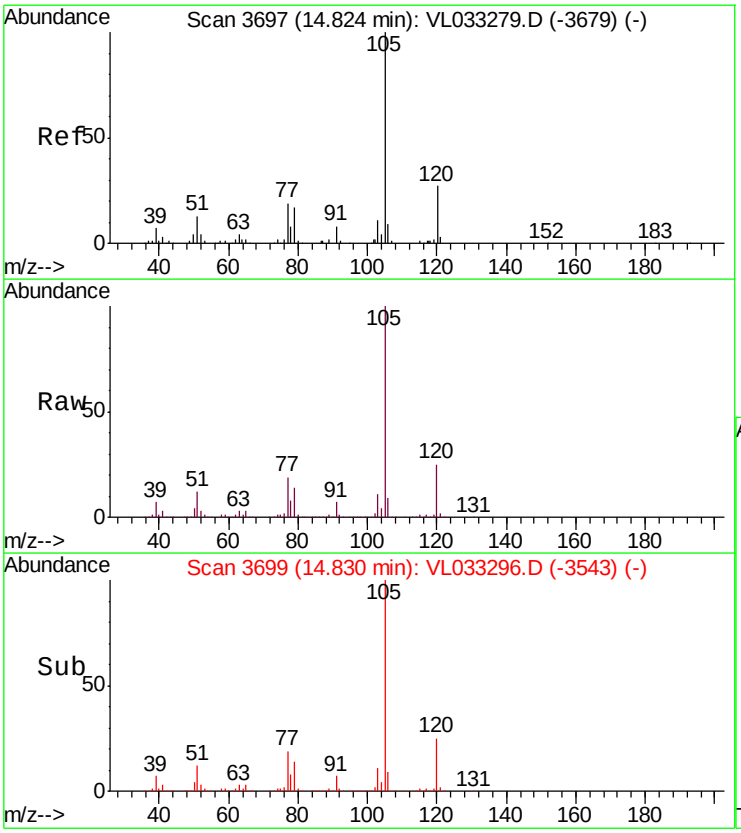
#61
Styrene
Concen: 8.721 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:104 Resp: 1656945

Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.3	64.9
103	47.3	38.0	57.0

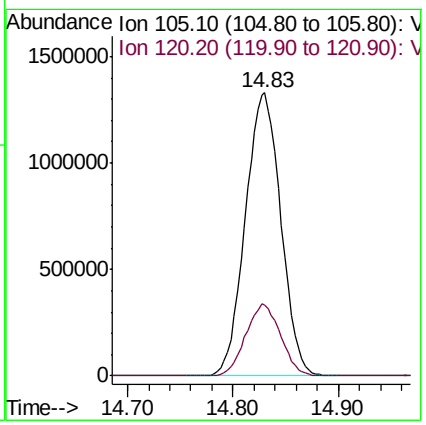


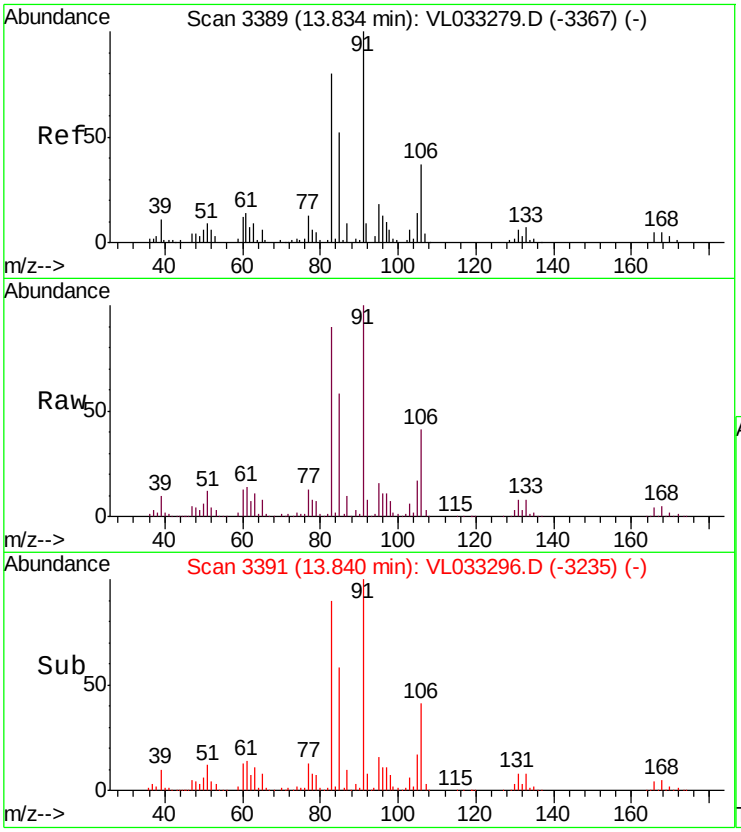


#62
Isopropylbenzene
Concen: 8.362 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:105 Resp: 3108268

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.0	30.0



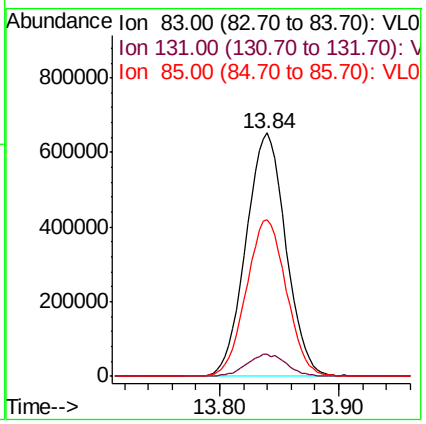


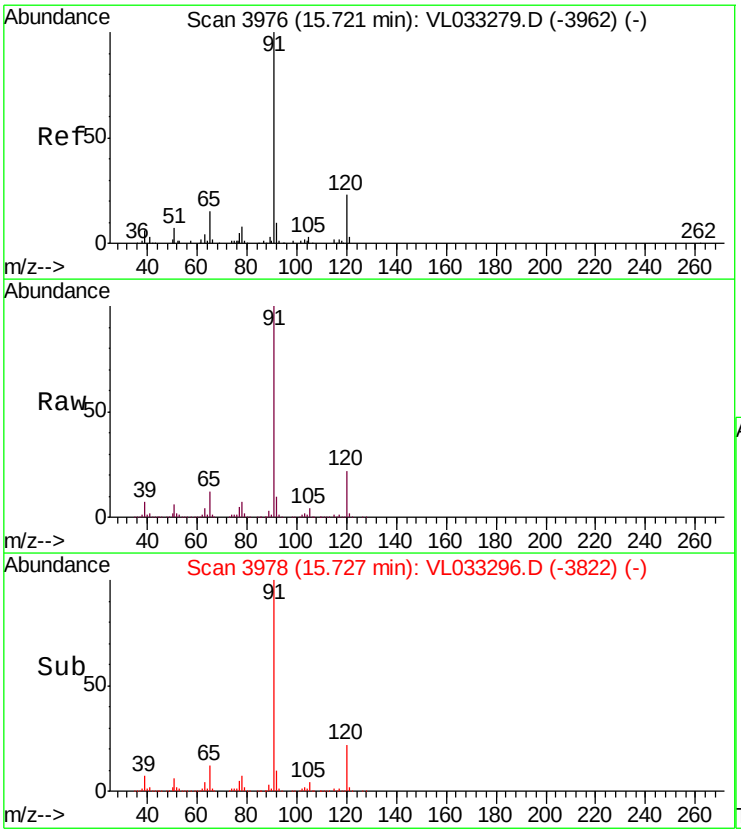
#63
1,1,2,2-Tetrachloroethane
Concen: 8.448 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 83 Resp: 1510680

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	64.9	32.2	96.6

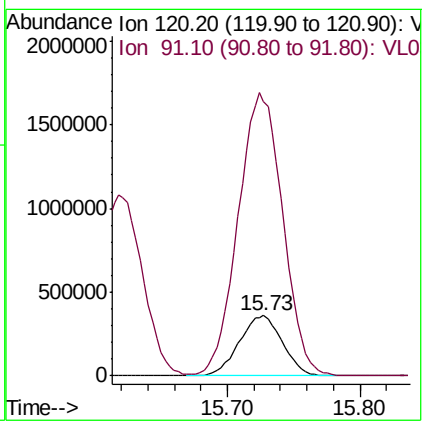


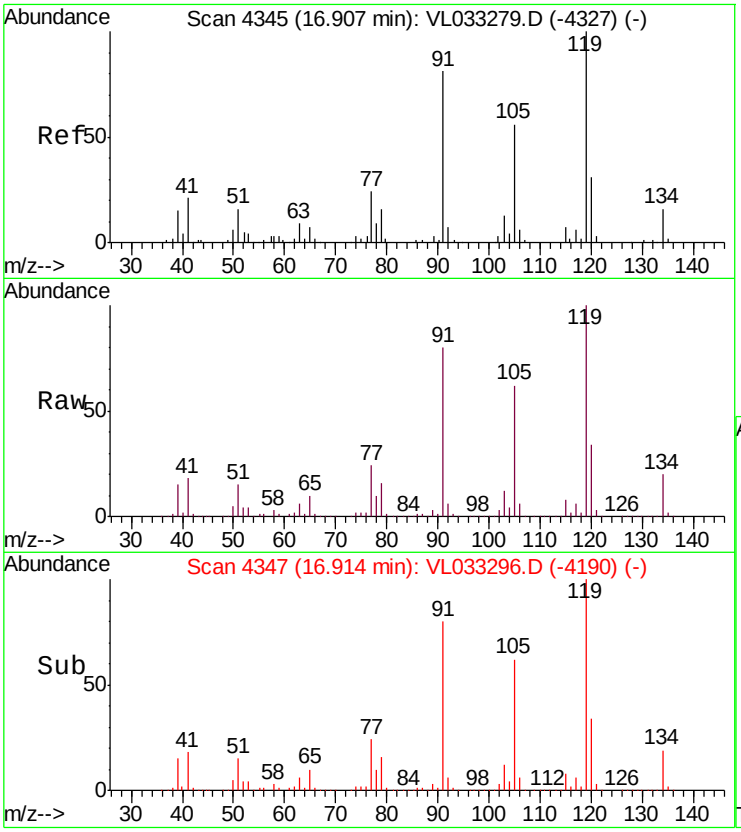


#64
n-propylbenzene
Concen: 8.901 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:120 Resp: 814137

Ion	Ratio	Lower	Upper
120	100		
91	487.1	385.8	578.8



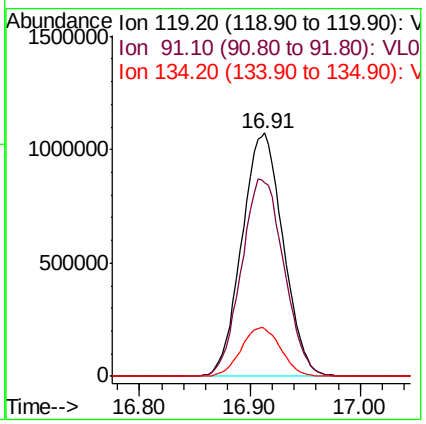


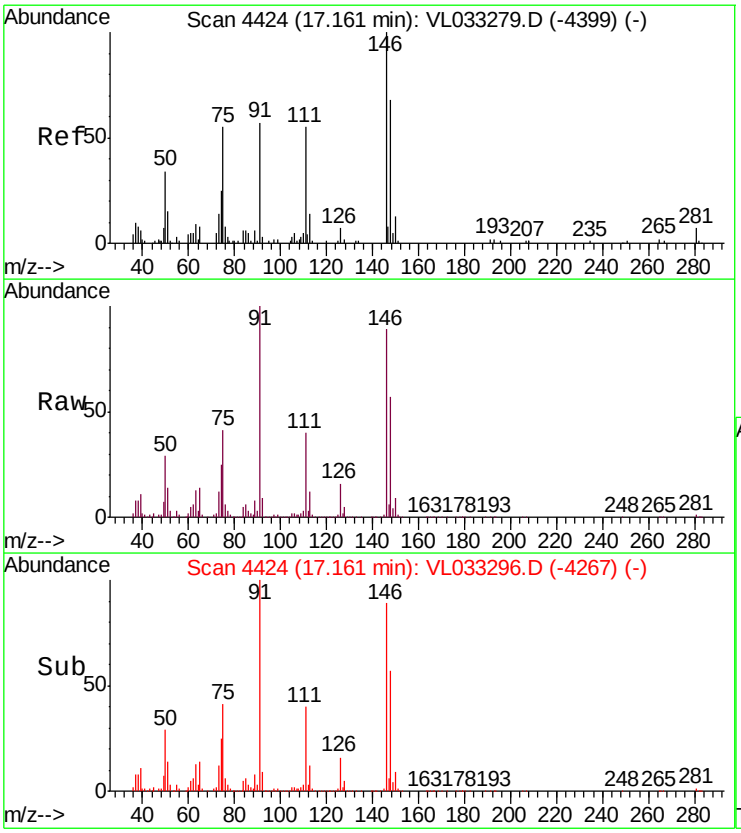
#65
tert-Butylbenzene
Concen: 8.893 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:119 Resp: 2790200

Ion	Ratio	Lower	Upper
119	100		
91	83.5	67.3	100.9
134	19.3	15.4	23.2

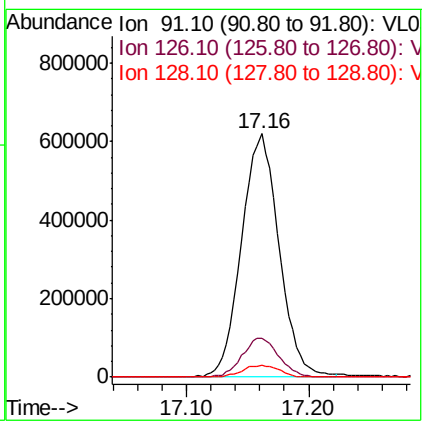


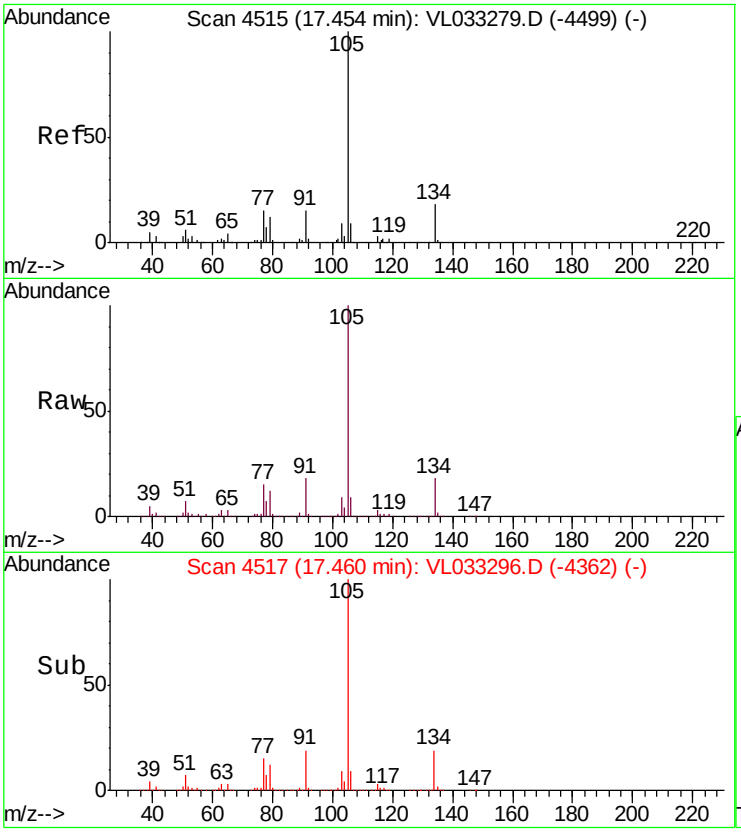


#66
Benzyl Chloride
Concen: 10.826 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 91 Resp: 1315759

Ion	Ratio	Lower	Upper
91	100		
126	15.7	13.0	19.6
128	5.0	4.3	6.5



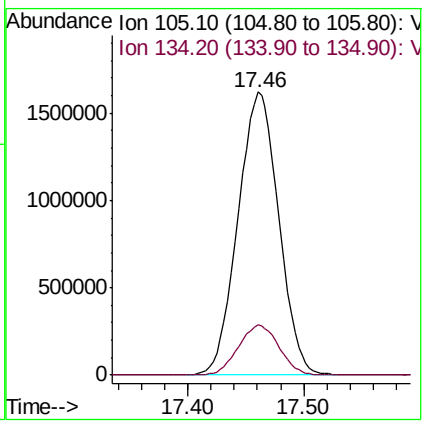


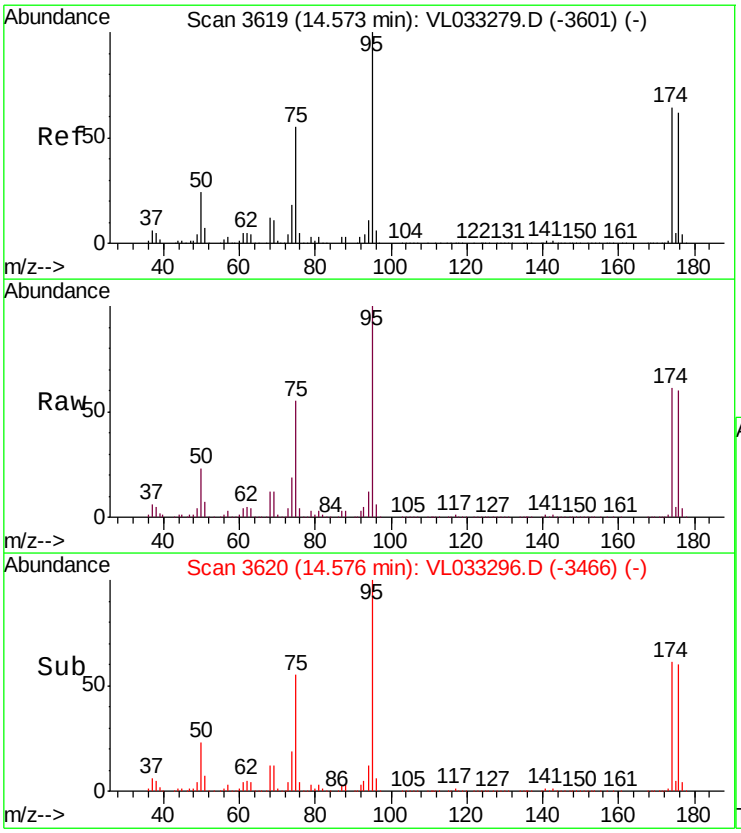
#67
sec-Butylbenzene
Concen: 8.843 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:105 Resp: 3949247

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.2

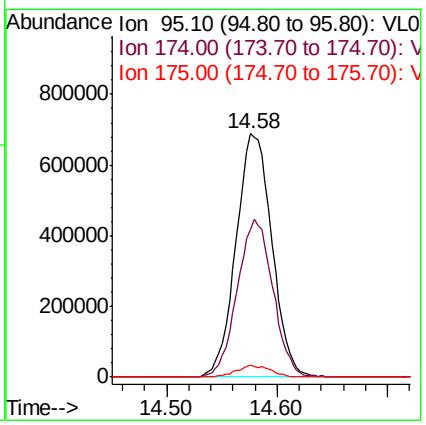


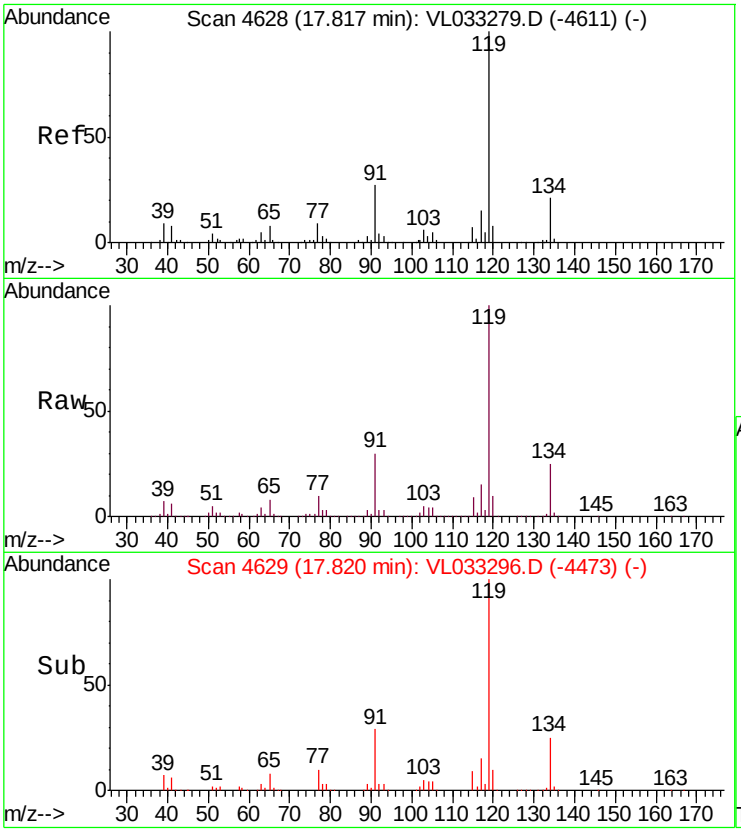


#68
1-Bromo-4-Fluorobenzene
Concen: 8.326 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 95 Resp: 1552553

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.7	77.5
175	4.7	3.7	5.5



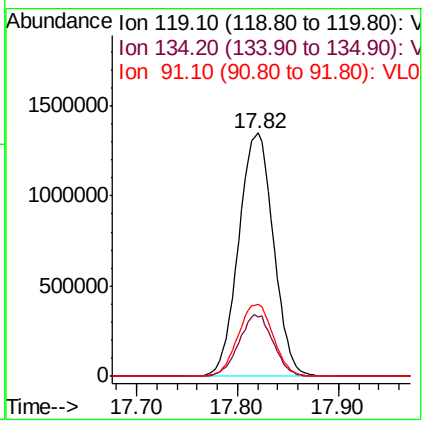


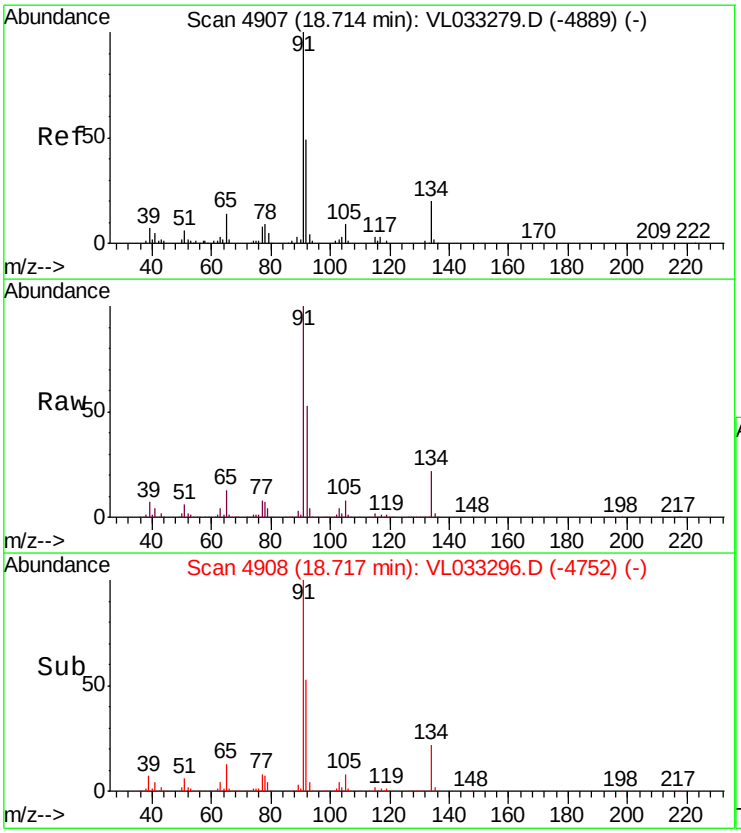
#69
p-Isopropyltoluene
Concen: 8.917 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion:119 Resp: 3216934

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.7	29.5
91	30.0	23.5	35.3

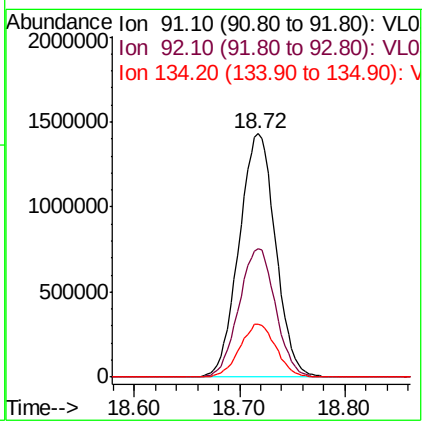


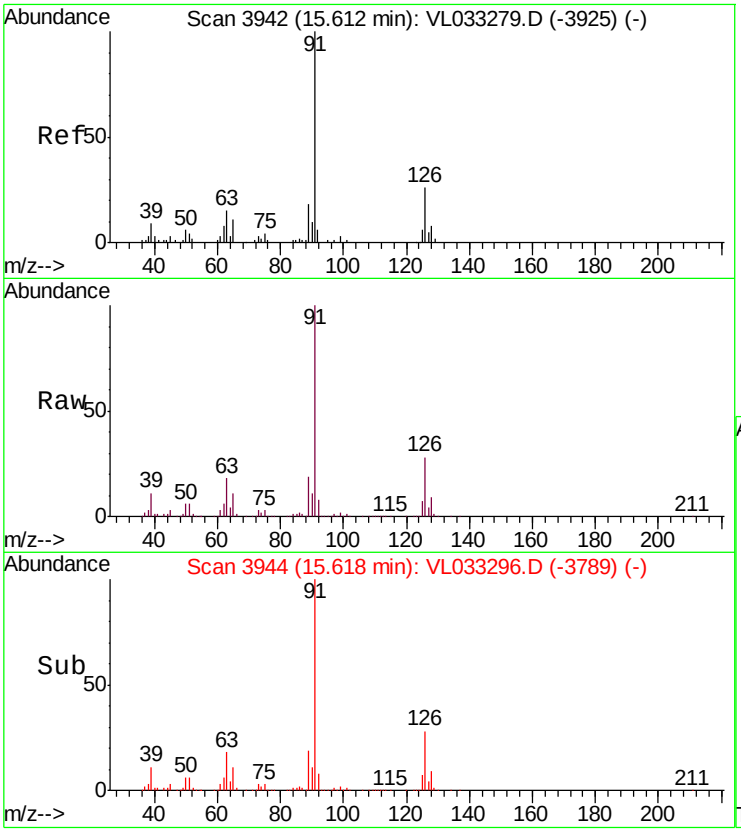


#70
n-Butylbenzene
Concen: 8.867 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion: 91 Resp: 3434826

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.4	63.6
134	21.6	17.1	25.7



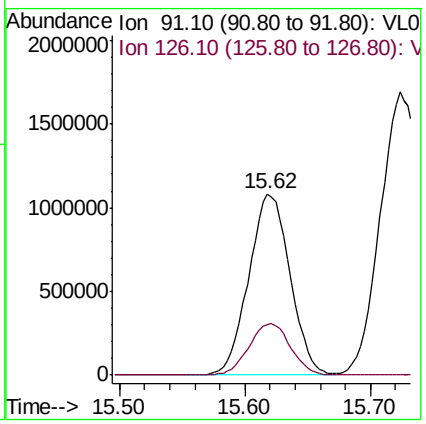


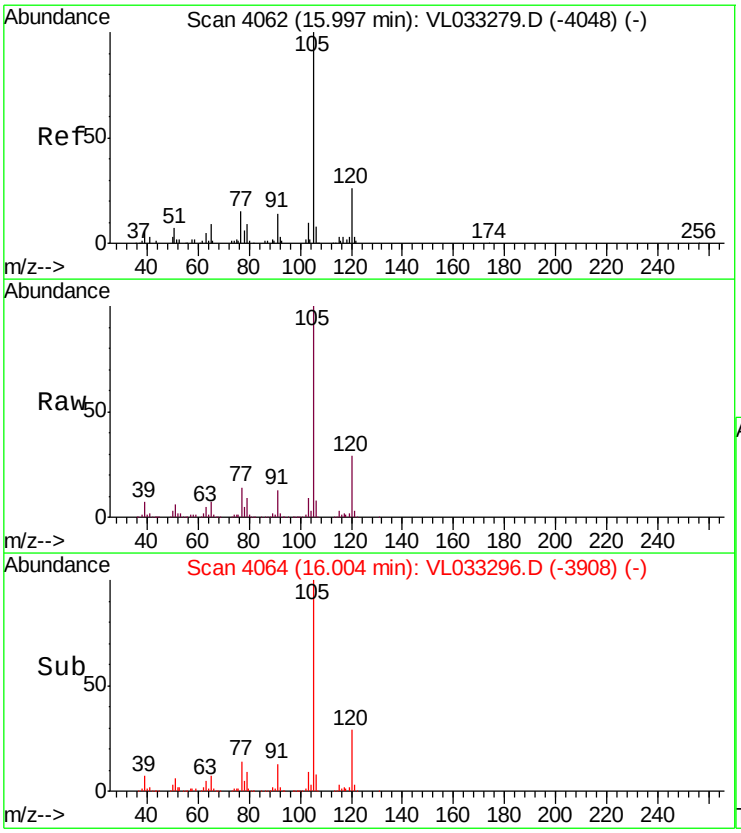
#71
2-Chlorotoluene
Concen: 8.855 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument : MSVOA_L
ClientSampleId : VL0312ABS02

Tgt Ion: 91 Resp: 2481051

Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.7	46.7

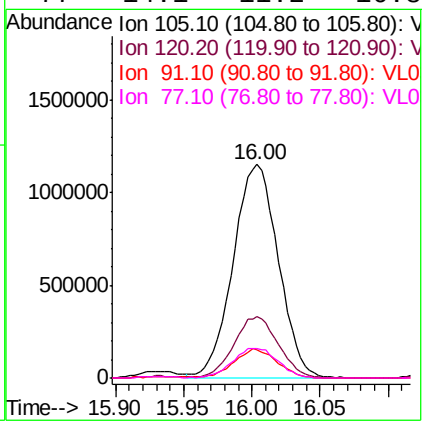


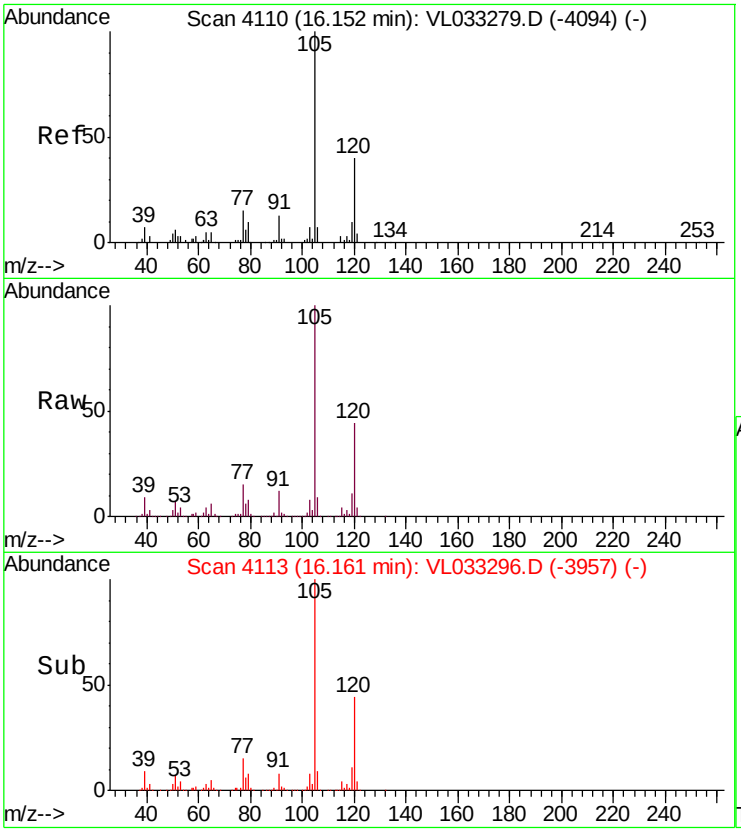


#72
4-Ethyltoluene
Concen: 9.137 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:105 Resp: 2632826

Ion	Ratio	Lower	Upper
105	100		
120	28.5	22.9	34.3
91	13.0	10.2	15.2
77	14.1	11.2	16.8



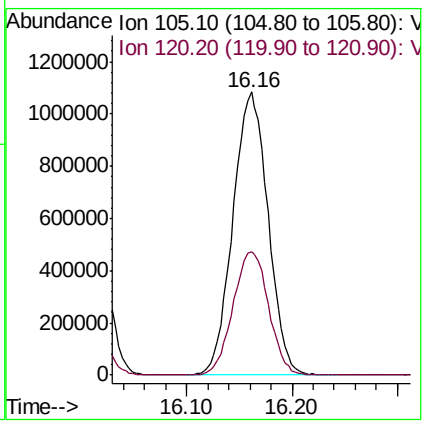


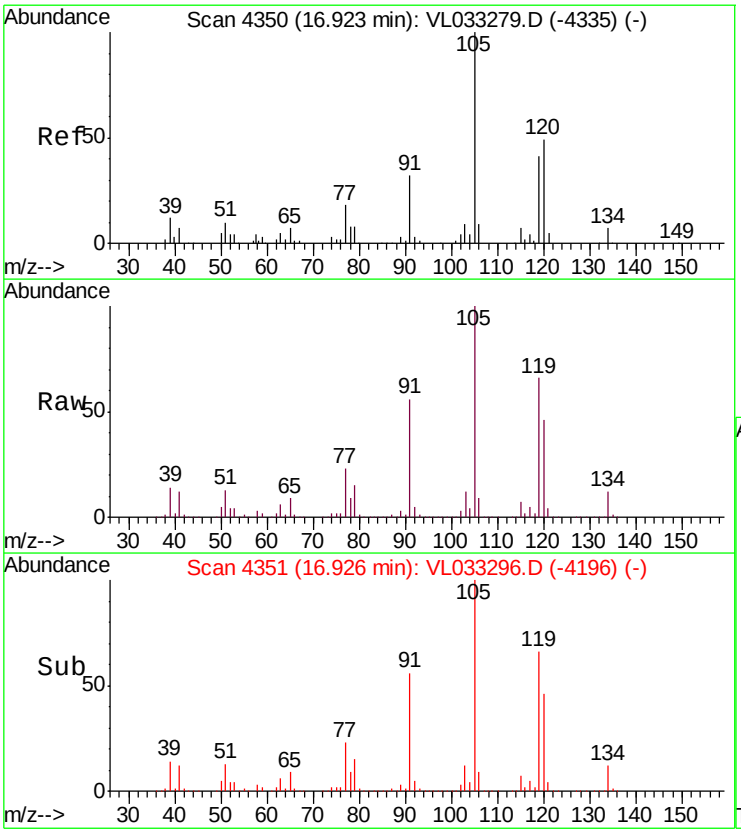
#73
1,3,5-Trimethylbenzene
Concen: 9.217 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:105 Resp: 2502570

Ion	Ratio	Lower	Upper
105	100		
120	43.6	35.1	52.7

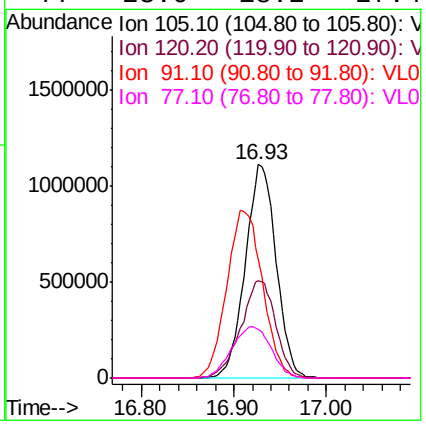


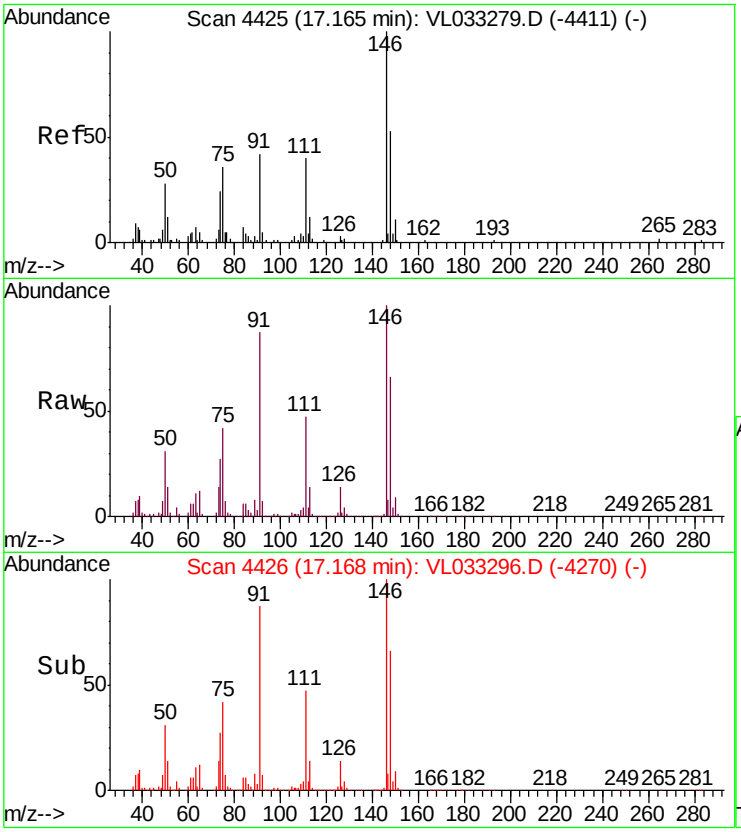


#74
1,2,4-Trimethylbenzene
Concen: 9.248 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:105 Resp: 2557479

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.1	54.1
91	55.5	38.6	58.0
77	23.0	18.2	27.4



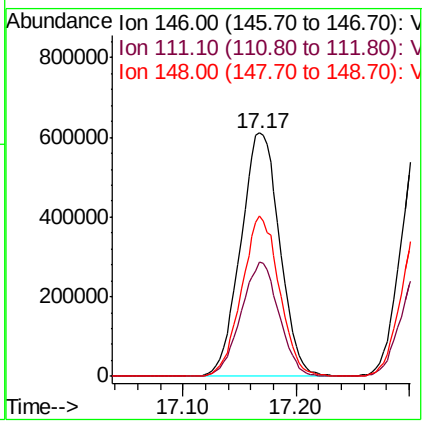


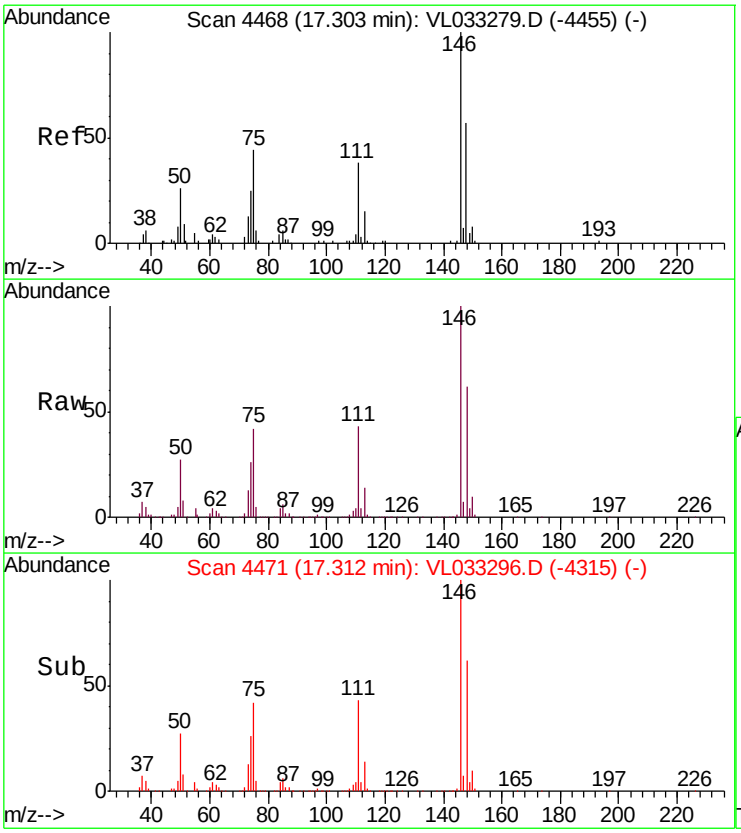
#75
1,3-Dichlorobenzene
Concen: 8.831 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:146 Resp: 1463564

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.4
148	63.5	31.8	95.3

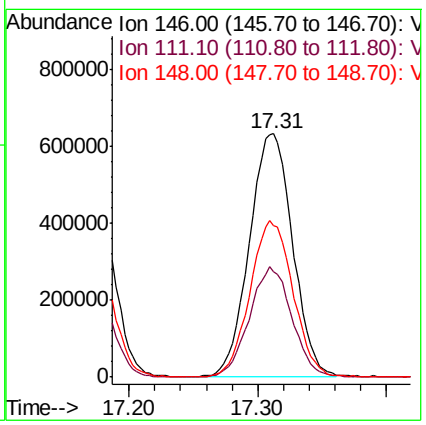


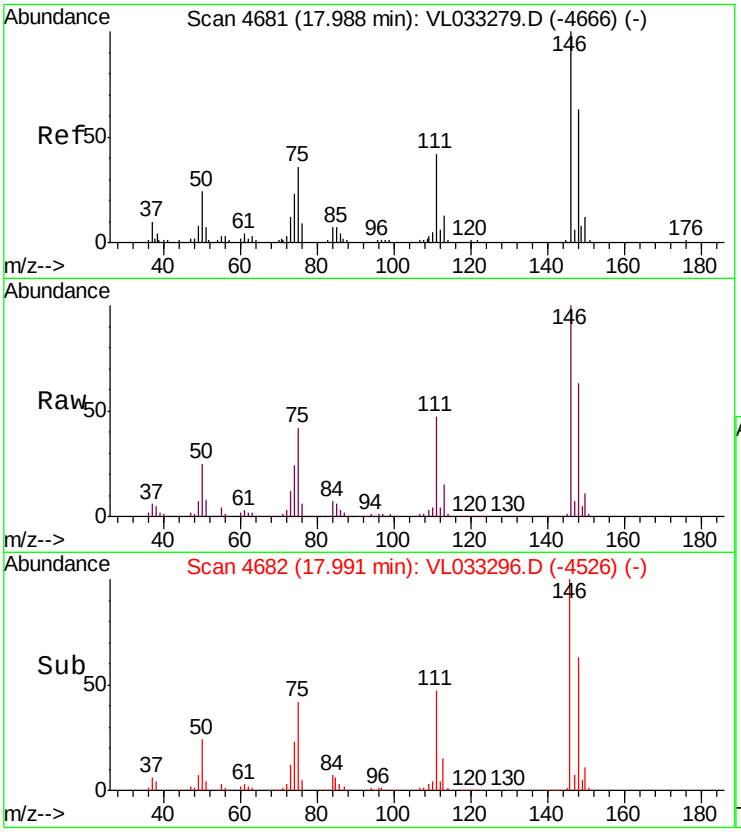


#76
1,4-Dichlorobenzene
Concen: 8.956 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:146 Resp: 1467841

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.1
148	64.4	31.8	95.3



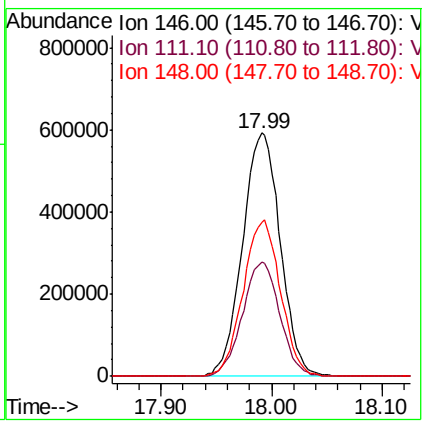


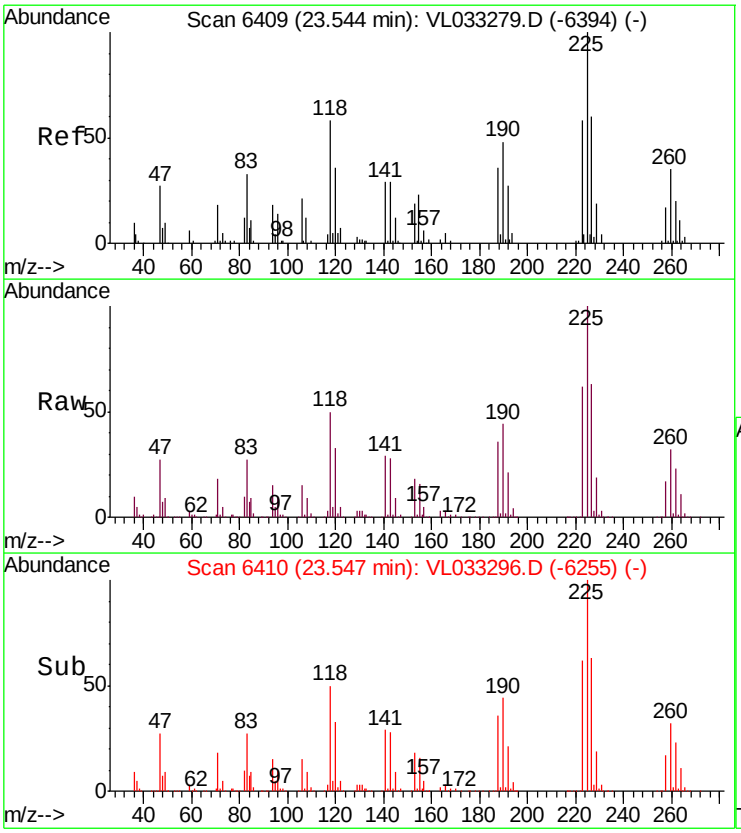
#77
1,2-Dichlorobenzene
Concen: 8.534 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:146 Resp: 1407984

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.5	70.5
148	63.5	31.7	95.1

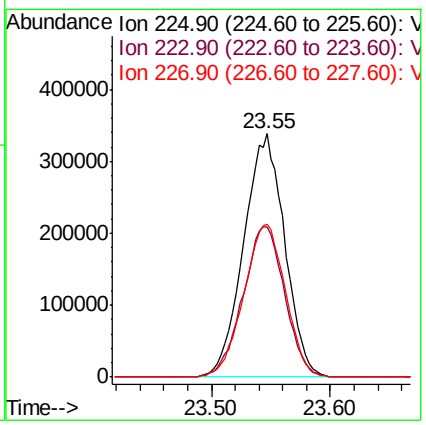


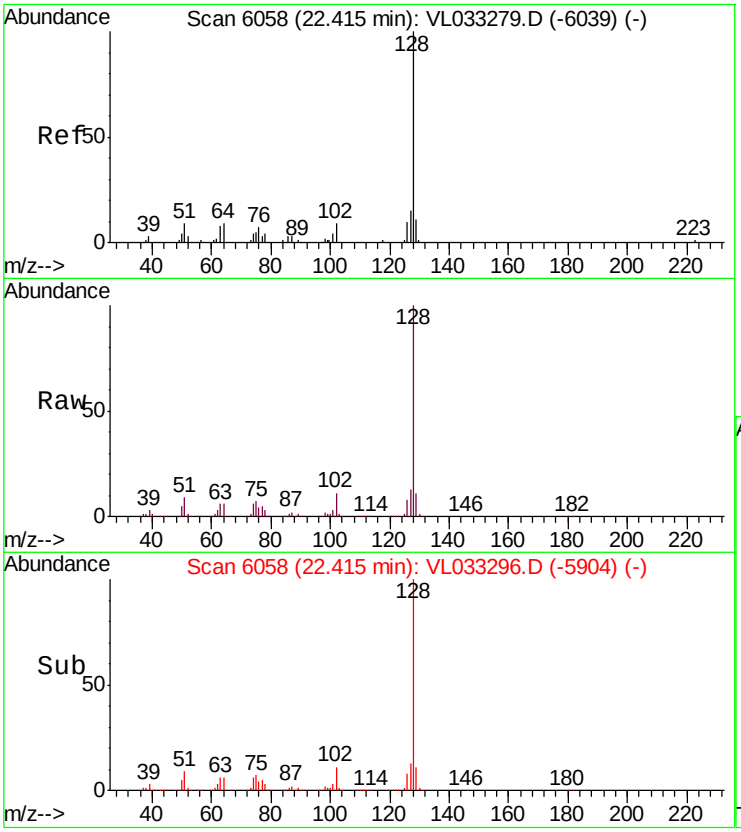


#78
Hexachloro-1,3-Butadiene
Concen: 5.856 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:225 Resp: 805013

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.8	51.1	76.7



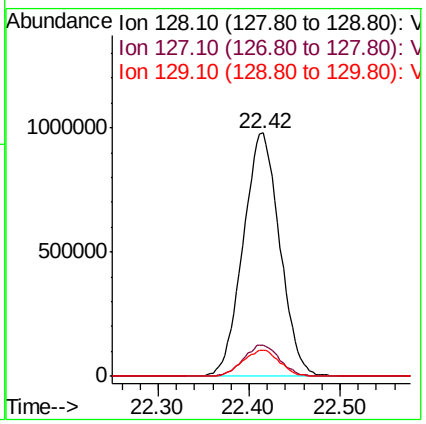


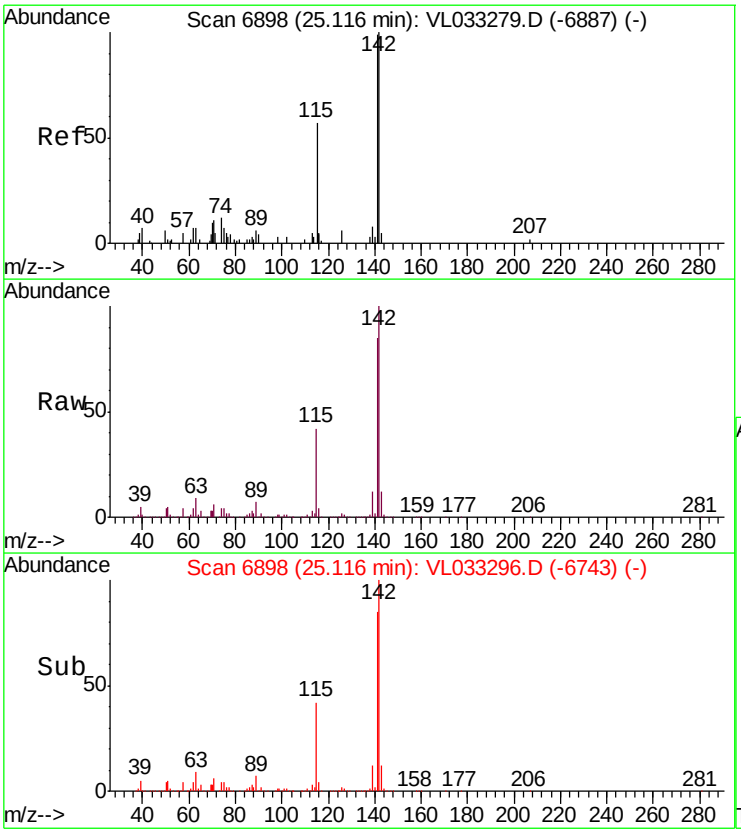
#79
Naphthalene
Concen: 9.137 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:128 Resp: 2735329

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.4	12.6

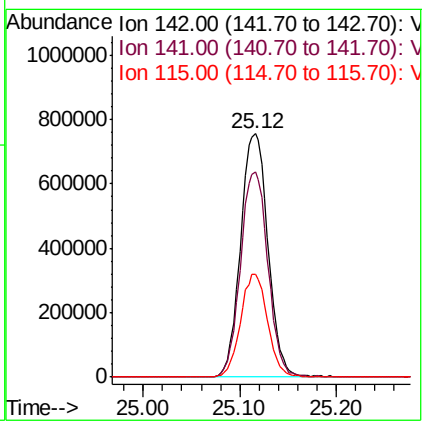


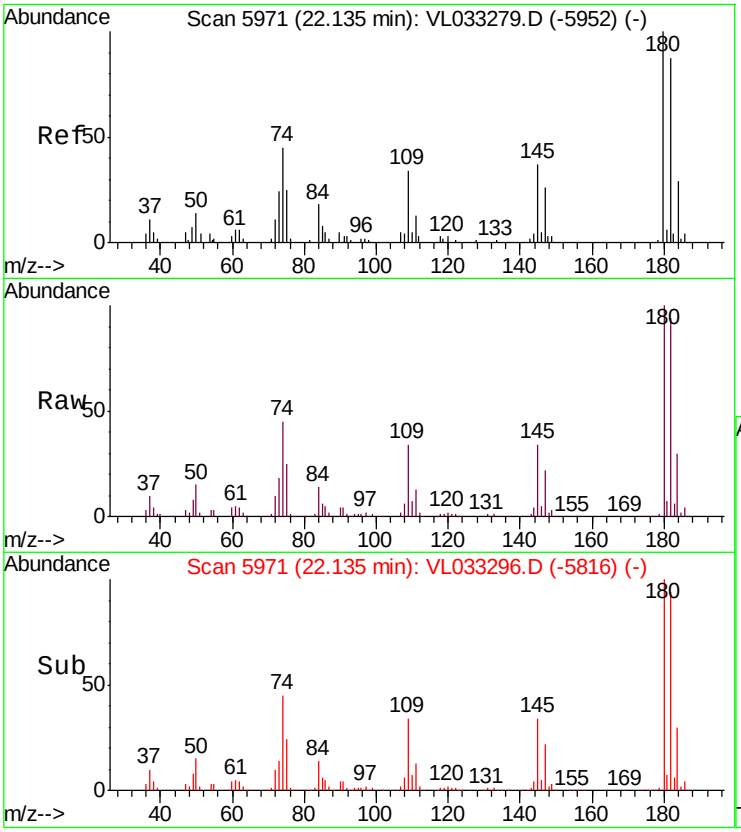


#80
Naphthalene,2-methyl-
Concen: 18.166 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Tgt Ion:142 Resp: 1490073

Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.0	102.0
115	41.7	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 8.280 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.00 min
Lab File: VL033296.D
Acq: 12 Mar 2019 23:36

Instrument :
MSVOA_L
ClientSampleId :
VL0312ABS02

Tgt Ion:180 Resp: 1305024

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	30.4	24.2	36.4