Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

Quantitation Report (Not Reviewed)

Data File : VL033089.D
Acq On : 16 Jan 2019 11:49
Operator : SY/AP
Sample : VL0116ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Quant Time: Jan 17 01:51:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1133811	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2871681	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3462813	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2103598	7.92	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2273202	10.773	ppbv	99
3) Chlorodifluoromethane	3.01	51	1239959	9.661	ppbv	98
4) Chloromethane	3.17	50	671710	9.138	ppbv	97
5) Vinyl Chloride	3.29	62	682392	9.192	ppbv	100
6) Bromomethane	3.52	94	450593	8.934	ppbv	99
7) Chloroethane	3.60	64	264067	9.096	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1789949	9.848	ppbv	99
9) Propene	3.04	41	485176	10.119	ppbv	100
10) Heptane	8.25	43	1351817	9.903	ppbv	100
11) Trichlorofluoromethane	4.01	101	1970736	8.452	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1333696	9.046	ppbv	99
13) Ethanol	3.65	45	144363	7.550	ppbv	100
14) Bromoethene	3.79	108	585080	8.985	ppbv	100
15) Acetone	3.90	43	1252204	7.979	ppbv	100
16) 1,3-Butadiene	3.36	39	570793	9.645	ppbv	100
17) tert-Butyl alcohol	4.36	59	291426	8.766	ppbv	99
18) 1,1-Dichloroethene	4.35	96	607872	8.951	ppbv	96
19) Isopropyl Alcohol	4.02	45	869203	8.046	ppbv	100
20) Methylene Chloride	4.41	84	523816	8.007	ppbv	96
21) Allyl Chloride	4.48	41	945824	9.726	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	609161	9.049	ppbv	97
23) Vinyl Acetate	5.16	43	2002792	10.032	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1502094	8.861	ppbv	99
25) Ethyl Acetate	5.77	43	2385875	8.994	ppbv	100
26) Hexane	5.78	57	1117131	8.944	ppbv	100
27) Carbon Disulfide	4.62	76	1538702	9.989	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1860081	9.541	ppbv	100
29) Chloroform	5.85	83	1879119	8.828	ppbv	98
30) Cyclohexane	7.25	84	966202	10.374	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1161709	10.016	ppbv	100
32) 1,1,1-Trichloroethane	6.62	97	2006453	9.288	ppbv	99
34) 2-Butanone	5.33	43	1509564	9.047	ppbv	99
35) Carbon Tetrachloride	7.14	117	2178268	8.831	ppbv	98
36) Benzene	7.01	78	2183610	9.283	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1479632	9.009	ppbv	99
38) Trichloroethene	7.96	130	950913	9.826	ppbv	99
39) 1,2-Dichloropropane	7.74	63	810096	9.167	ppbv	97
40) 1,4-Dioxane	7.96	88	302703	9.024	ppbv #	1
41) Tetrahydrofuran	6.15	42	831583	9.792	ppbv	99
42) Bromodichloromethane	7.92	83	2021277	8.959	ppbv	98
43) Methyl Methacrylate	8.14	69	894571	10.135	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

Quantitation Report (Not Reviewed)

Data File : VL033089.D
Acq On : 16 Jan 2019 11:49
Operator : SY/AP
Sample : VL0116ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Quant Time: Jan 17 01:51:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3747457	9.407	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1246102	11.341	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1410553	11.248	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	967073	9.367	ppbv		97
48) Dibromochloromethane	10.45	129	1840755	10.091	ppbv		99
49) Bromoform	13.20	173	1588876	9.969	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2148358	10.161	ppbv		99
51) 2-Hexanone	10.27	43	1673179	10.937	ppbv		99
52) Tetrachloroethene	11.38	164	857683	10.315	ppbv		97
53) Toluene	9.95	91	2681858	10.638	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1541811	10.365	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1316628	7.359	ppbv		99
57) Chlorobenzene	12.31	112	2123078	7.345	ppbv		97
58) Ethyl Benzene	12.87	91	3691410	8.443	ppbv		99
59) m/p-Xylene	13.13	91	2907411	7.189	ppbv	#	100
60) o-Xylene	13.85	91	3064963	7.741	ppbv		100
61) Styrene	13.69	104	2250847	8.909	ppbv		100
62) Isopropylbenzene	14.83	105	4305333	7.641	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2105336	7.158	ppbv		99
64) n-propylbenzene	15.73	120	1106634	7.731	ppbv		98
65) tert-Butylbenzene	16.91	119	3810278	7.634	ppbv		100
66) Benzyl Chloride	17.16	91	2345984	8.247	ppbv		99
67) sec-Butylbenzene	17.46	105	5326522	7.457	ppbv		100
69) p-Isopropyltoluene	17.82	119	4406712	7.601	ppbv		100
70) n-Butylbenzene	18.72	91	4390911	7.534	ppbv		100
71) 2-Chlorotoluene	15.62	91	3181636	7.962	ppbv		99
72) 4-Ethyltoluene	16.00	105	3515557	8.079	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	3341387	7.783	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	3484927	7.329	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1926726	6.884	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1868557	7.329	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1823433	7.234	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1123622	5.804	ppbv		99
79) Naphthalene	22.42	128	3276600	8.181	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1162008	9.561	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1545345	7.987	ppbv		99

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

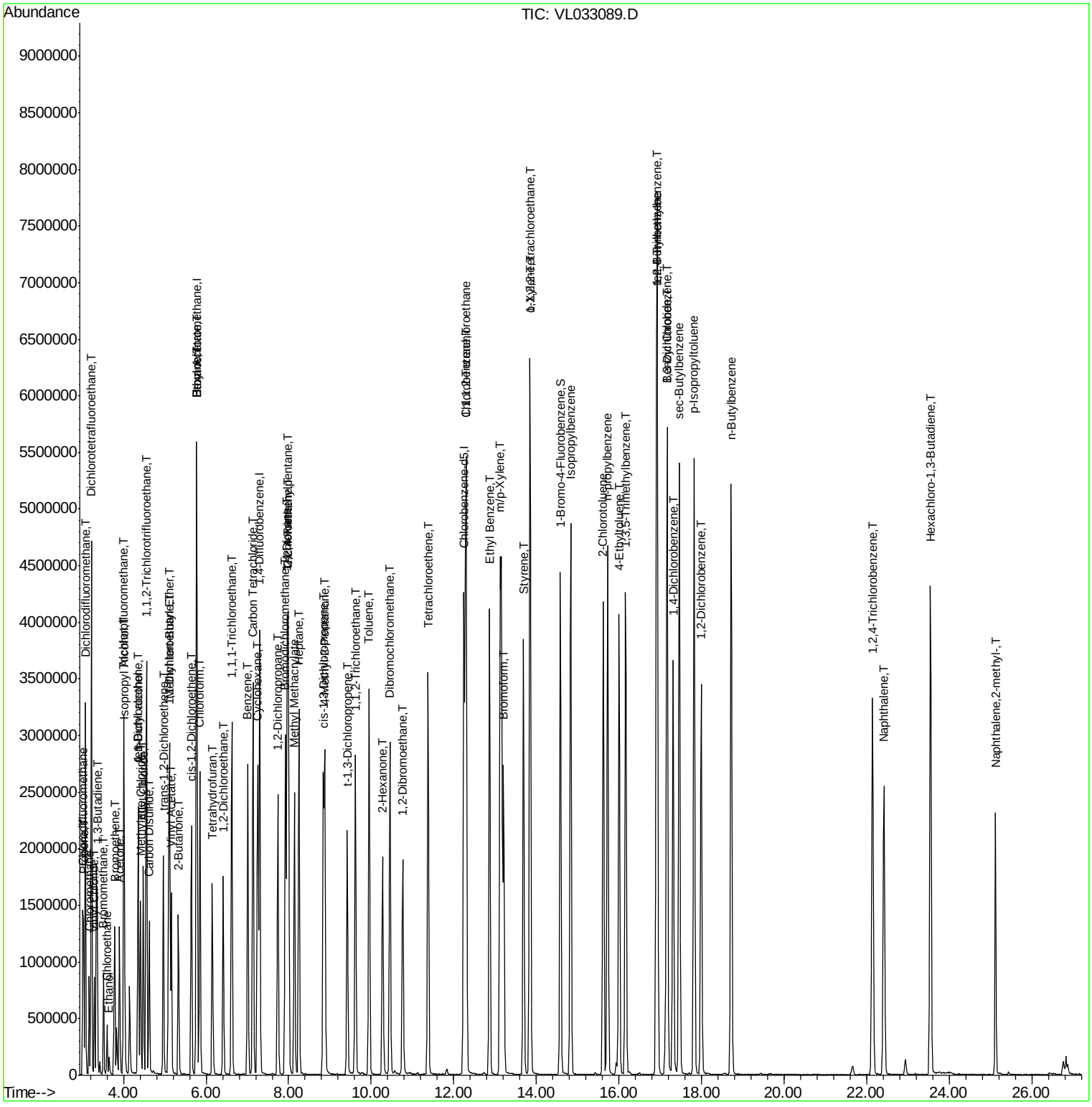
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\

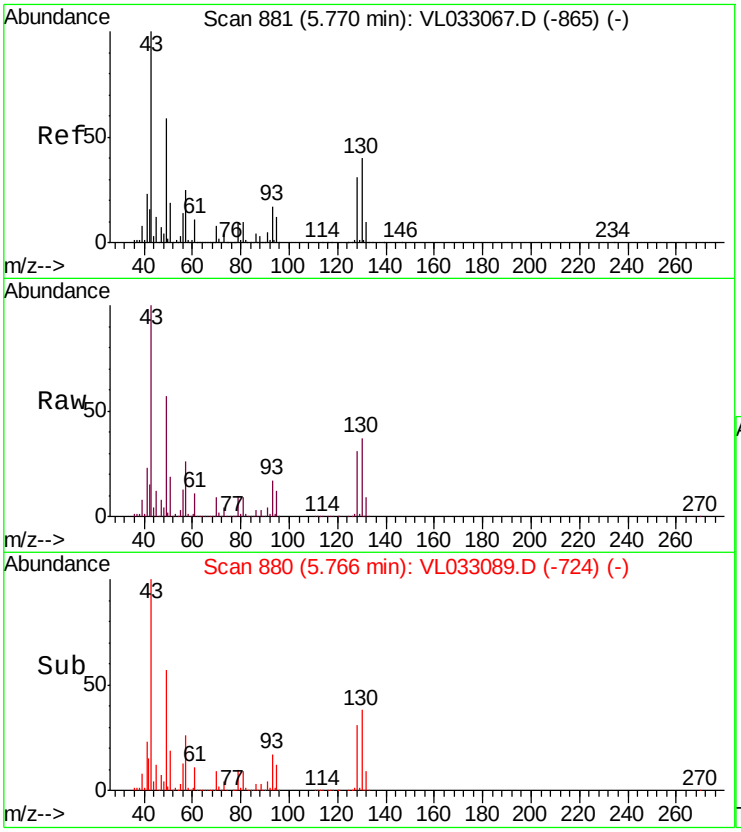
Quantitation Report (Not Reviewed)

Data File : VL033089.D
Acq On : 16 Jan 2019 11:49
Operator : SY/AP
Sample : VL0116ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Quant Time: Jan 17 01:51:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration



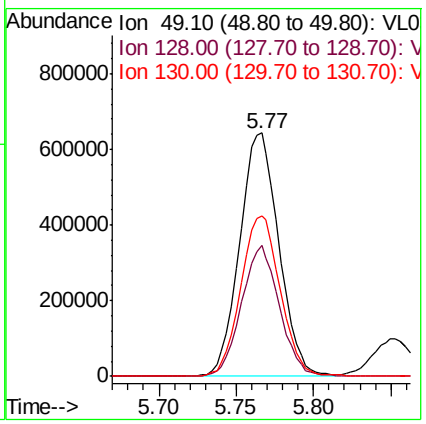


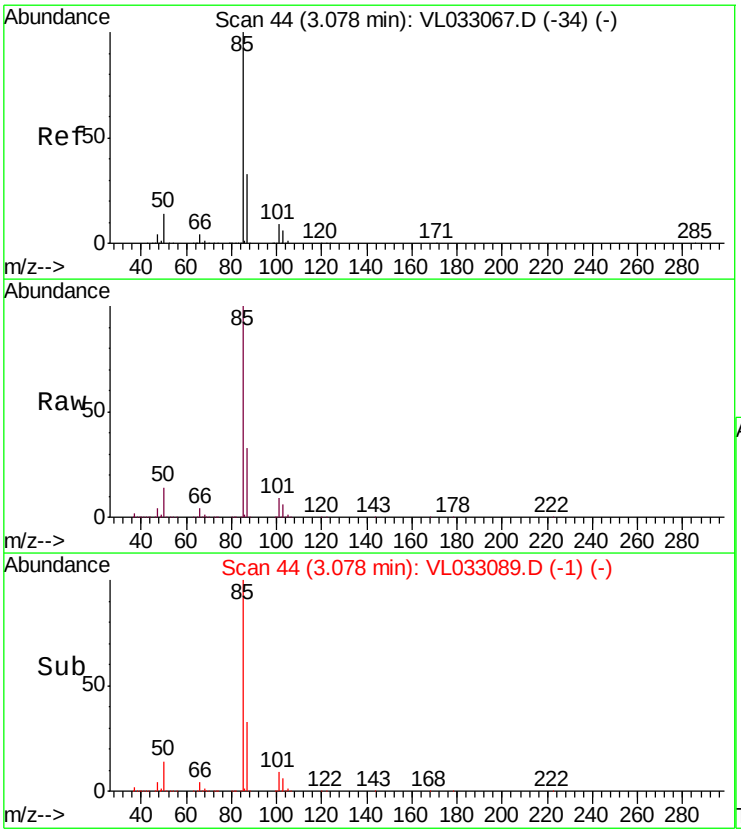
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 49 Resp: 1133811

Ion	Ratio	Lower	Upper
49	100		
128	52.1	26.2	78.5
130	66.8	33.6	100.6

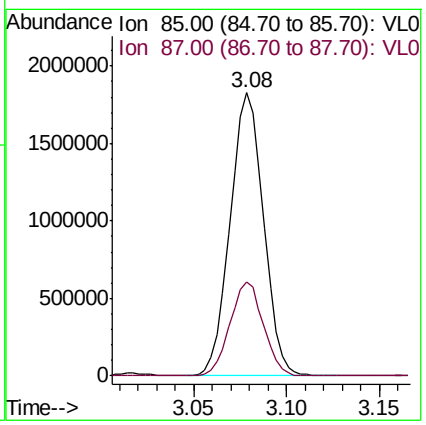


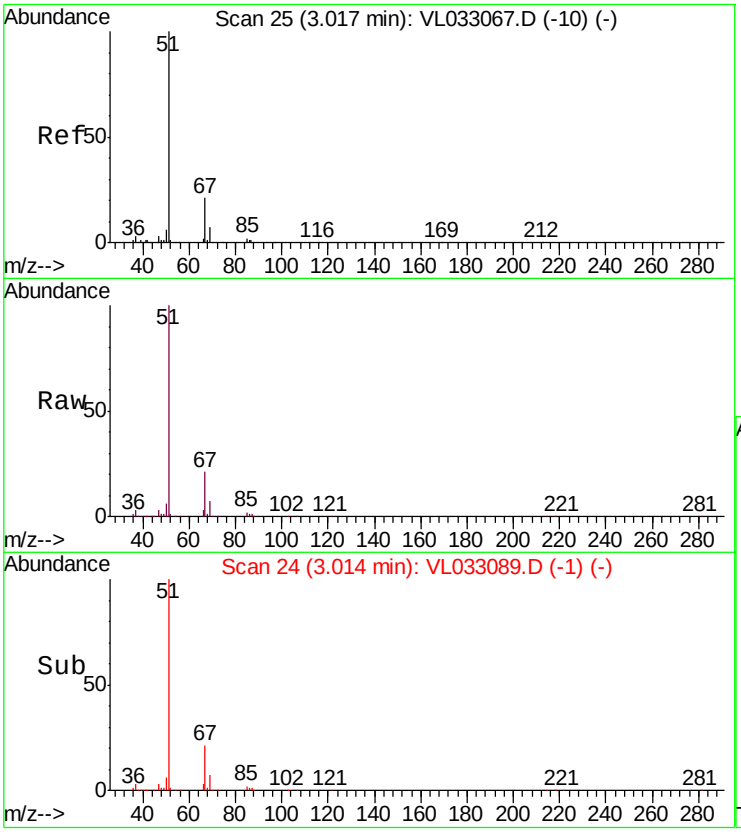


#2
Dichlorodifluoromethane
Concen: 10.773 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 85 Resp: 2273202

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.3	39.5



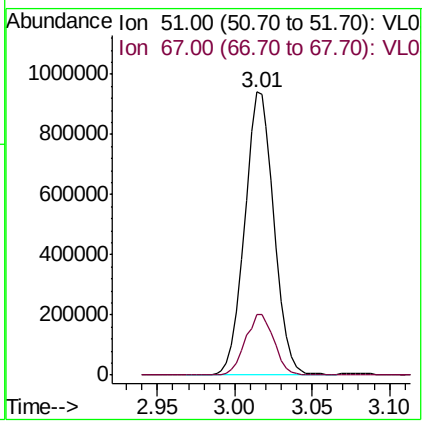


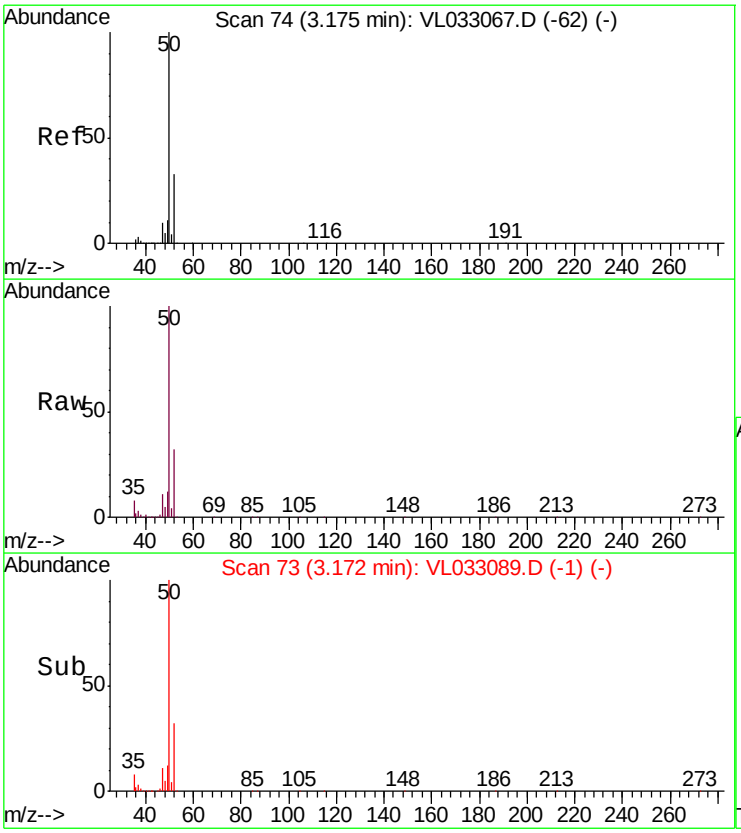
#3
Chlorodifluoromethane
Concen: 9.661 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 51 Resp: 1239959

Ion	Ratio	Lower	Upper
51	100		
67	21.3	16.3	24.5

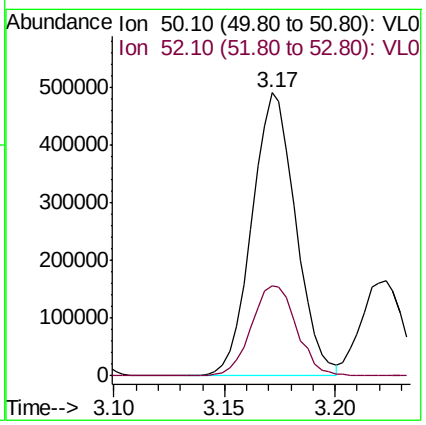


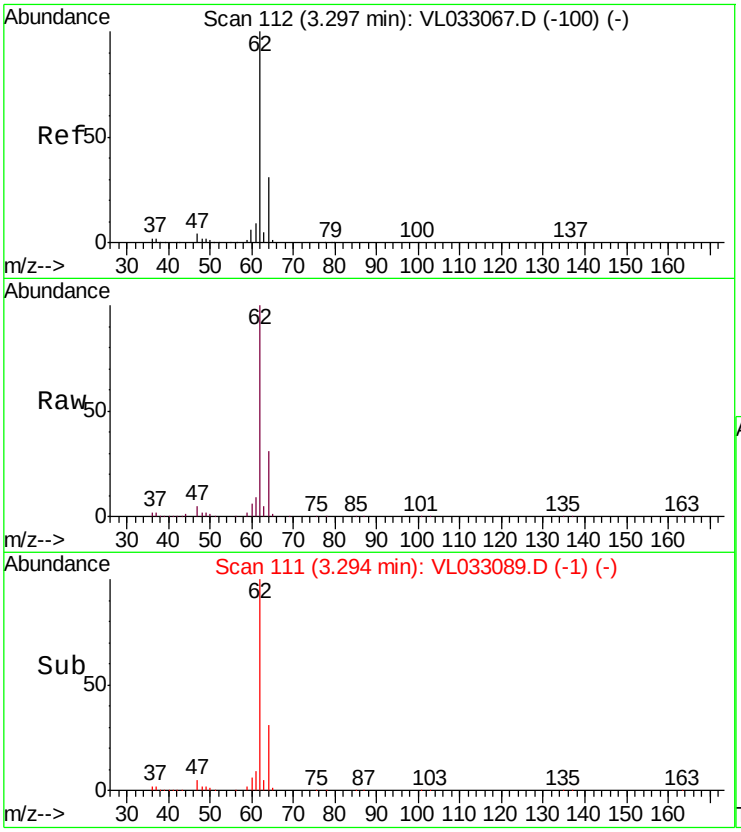


#4
Chloromethane
Concen: 9.138 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 50 Resp: 671710

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.9	40.3



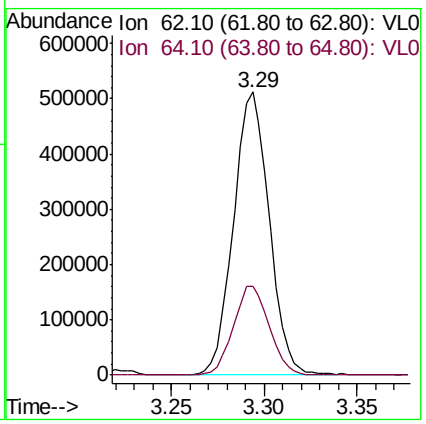


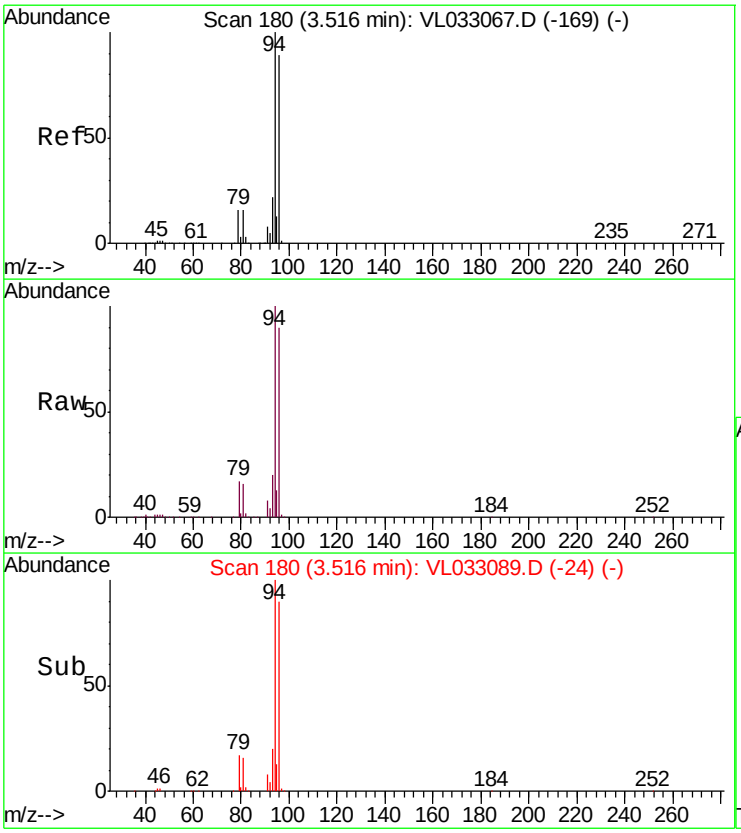
#5
Vinyl Chloride
Concen: 9.192 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 62 Resp: 682392

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.3	37.9

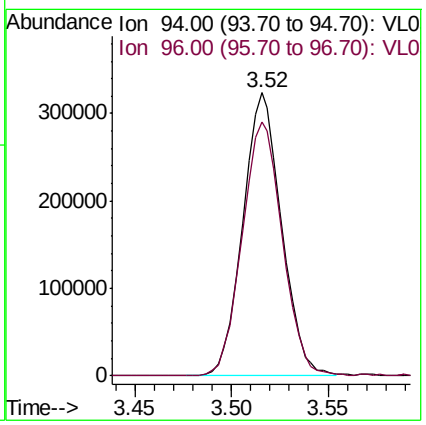


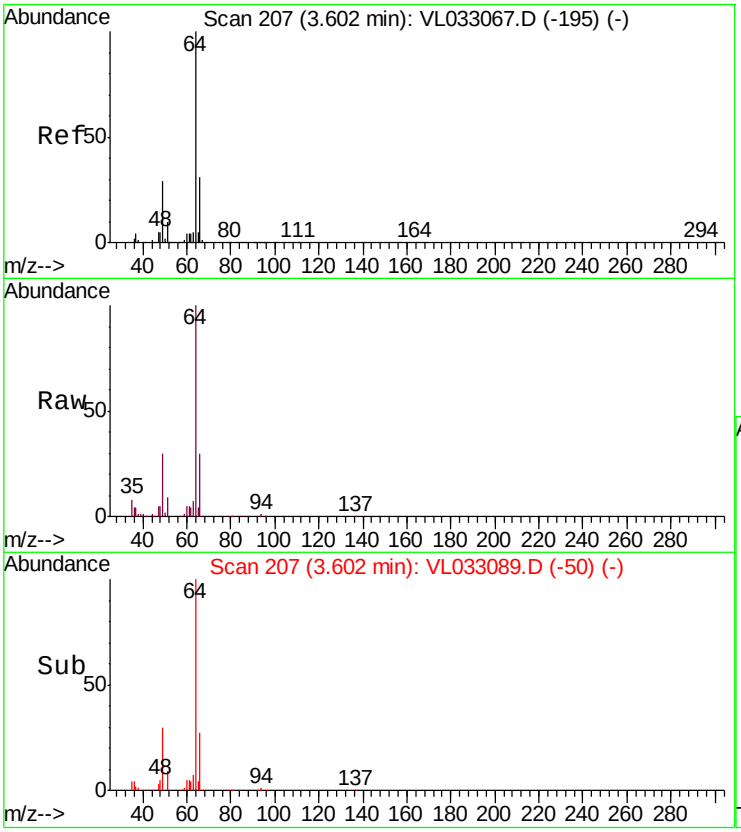


#6
Bromomethane
Concen: 8.934 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 94 Resp: 450593

Ion	Ratio	Lower	Upper
94	100		
96	89.9	72.8	109.2



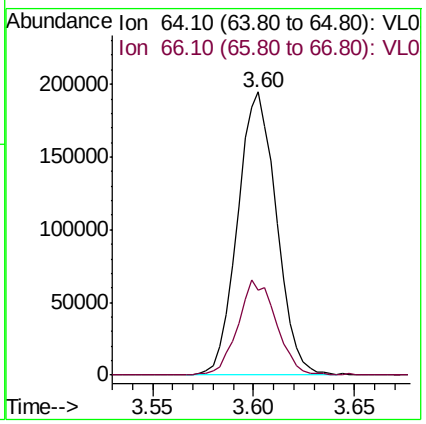


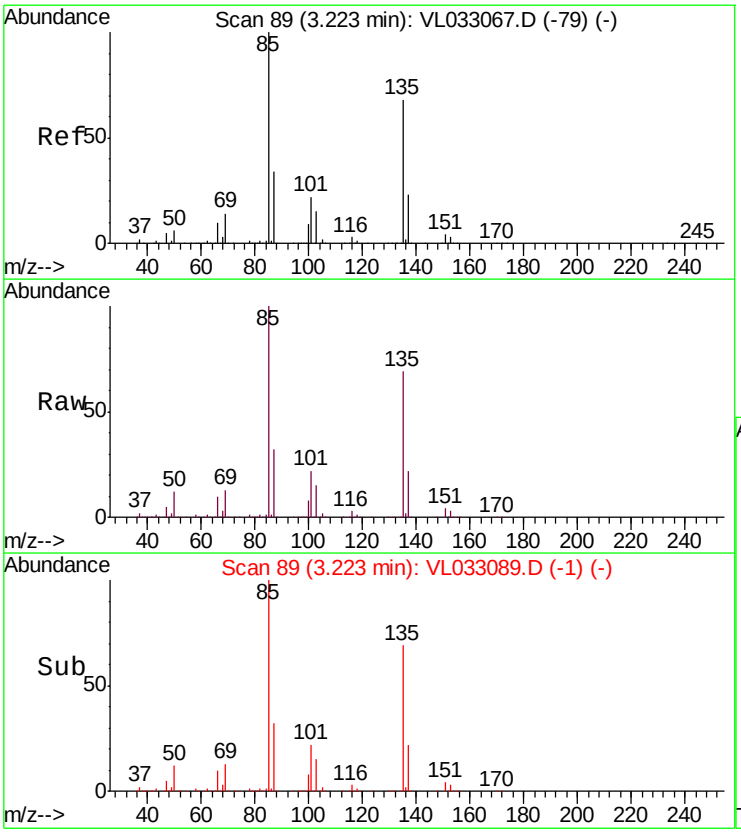
#7
Chloroethane
Concen: 9.096 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 64 Resp: 264067

Ion	Ratio	Lower	Upper
64	100		
66	30.0	23.7	35.5

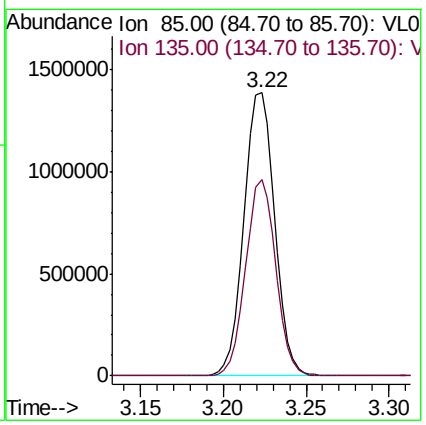


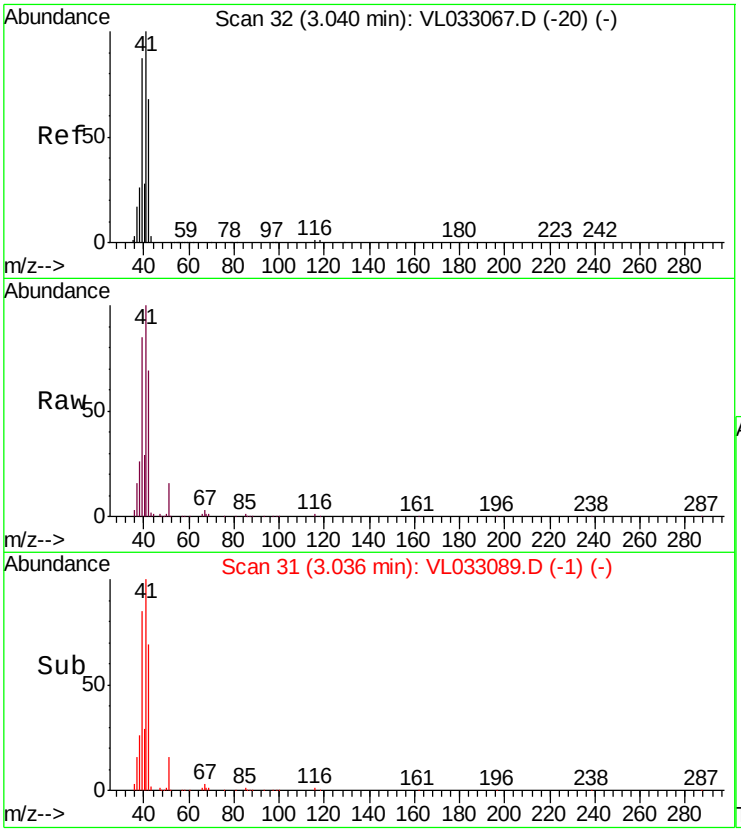


#8
Dichlorotetrafluoroethane
Concen: 9.848 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 85 Resp: 1789949

Ion	Ratio	Lower	Upper
85	100		
135	68.1	54.9	82.3



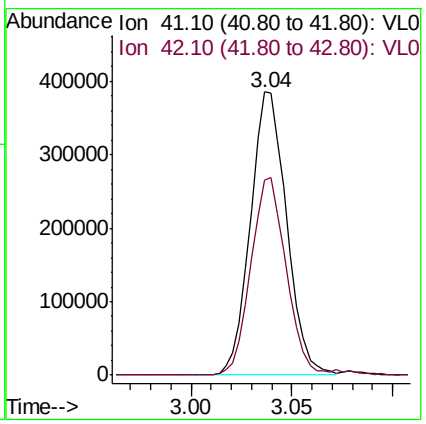


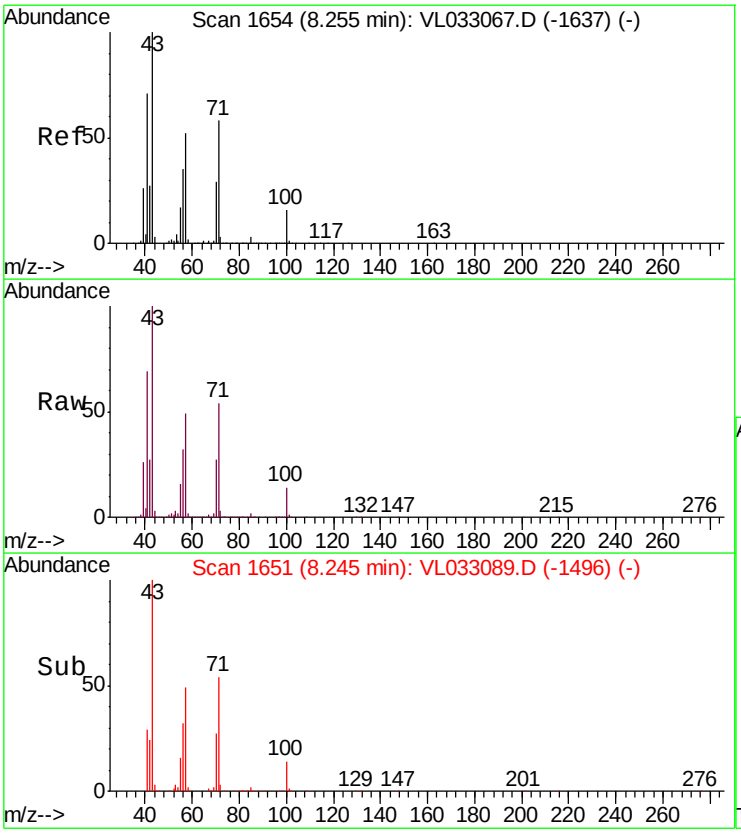
#9
Propene
Concen: 10.119 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 41 Resp: 485176

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.3	82.9

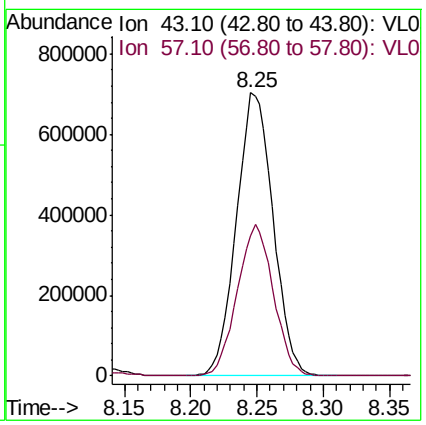


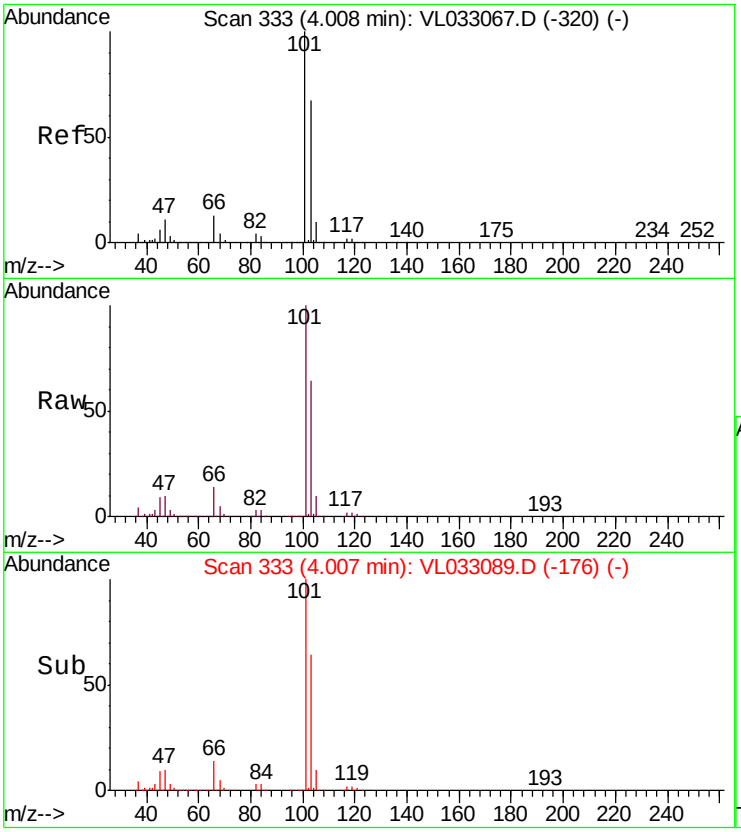


#10
Heptane
Concen: 9.903 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 43 Resp: 1351817

Ion	Ratio	Lower	Upper
43	100		
57	52.6	41.9	62.9



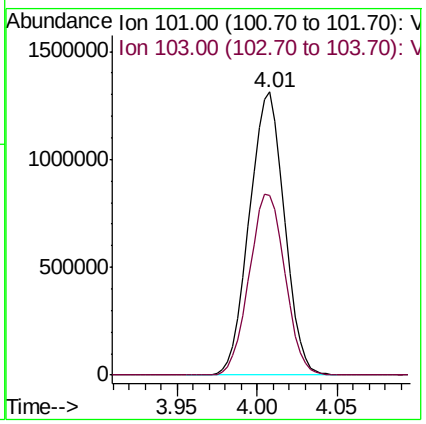


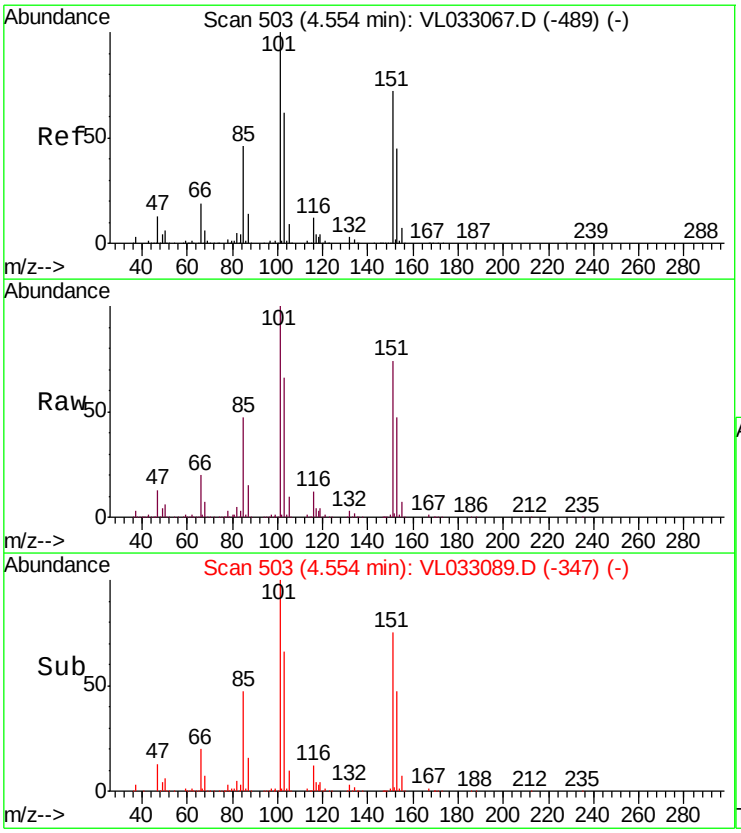
#11
Trichlorofluoromethane
Concen: 8.452 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:101 Resp: 1970736

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.7	77.5

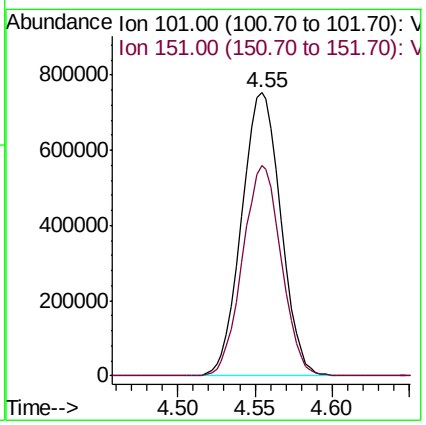


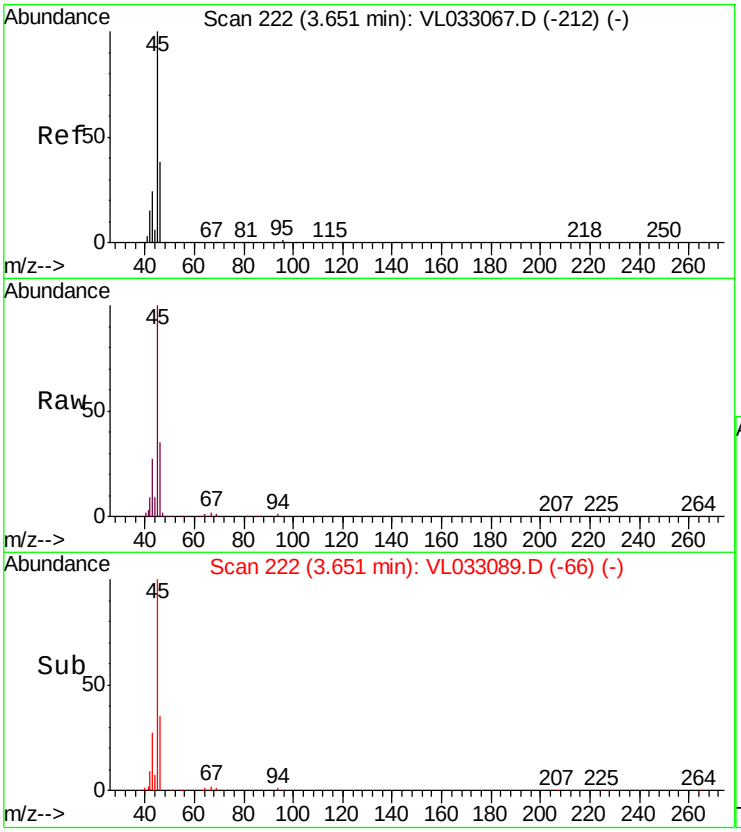


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.046 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:101 Resp: 1333696

Ion	Ratio	Lower	Upper
101	100		
151	73.6	58.3	87.5



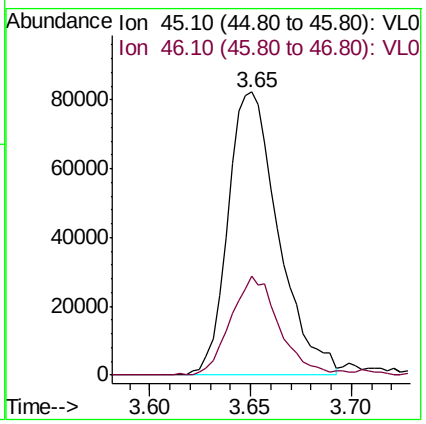


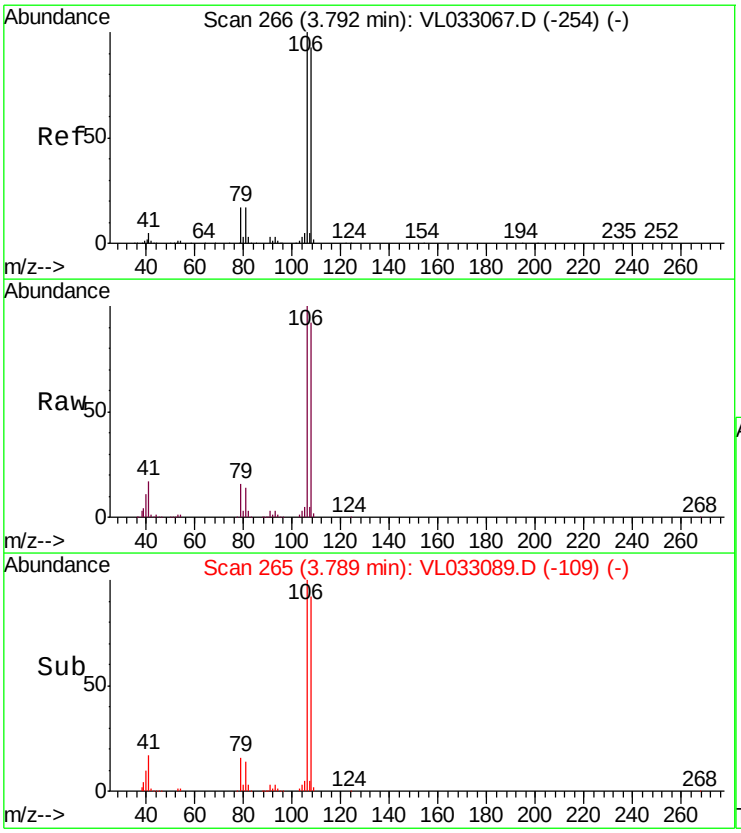
#13
Ethanol
Concen: 7.550 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 45 Resp: 144363

Ion	Ratio	Lower	Upper
45	100		
46	34.7	13.8	55.2

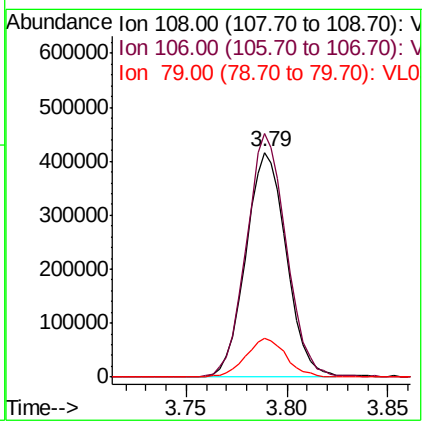


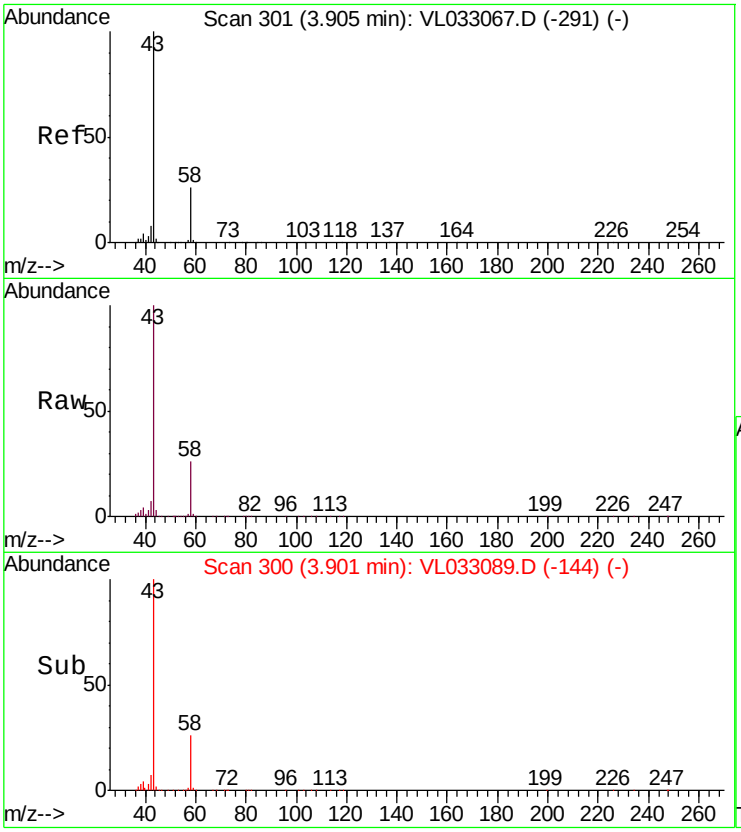


#14
Bromoethene
Concen: 8.985 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:108 Resp: 585080

Ion	Ratio	Lower	Upper
108	100		
106	107.8	86.4	129.6
79	17.6	14.3	21.5



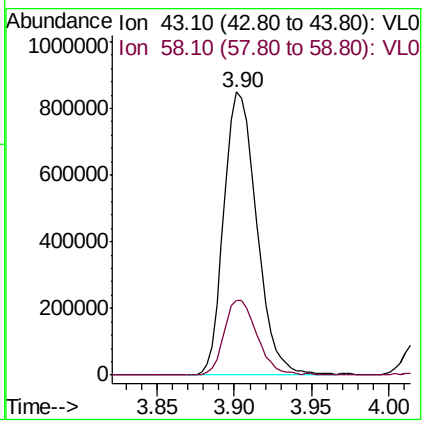


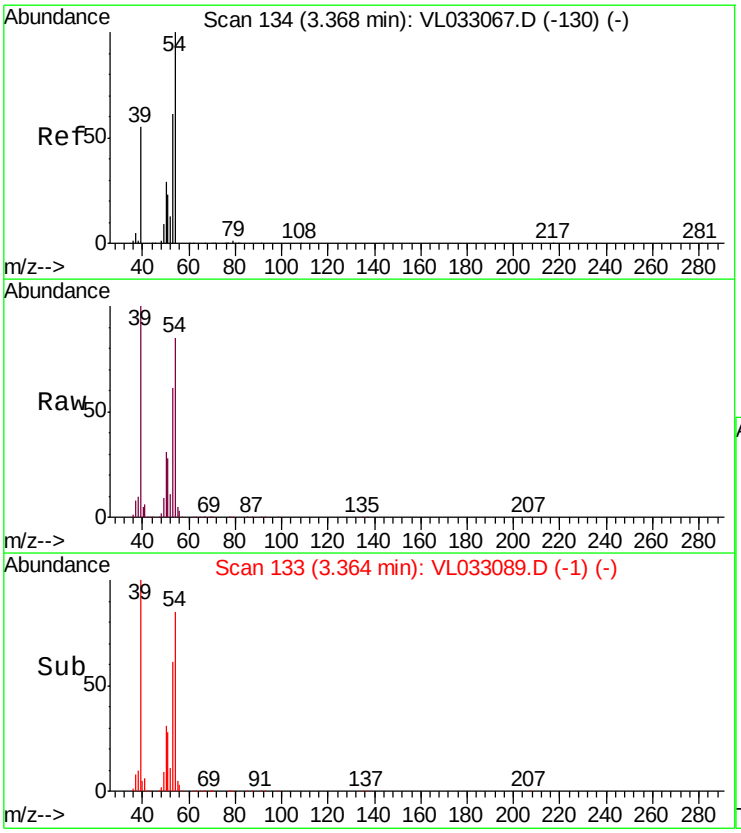
#15
Acetone
Concen: 7.979 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 43 Resp: 1252204

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.1	31.7

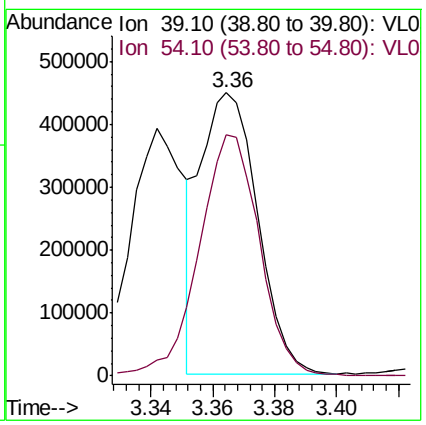


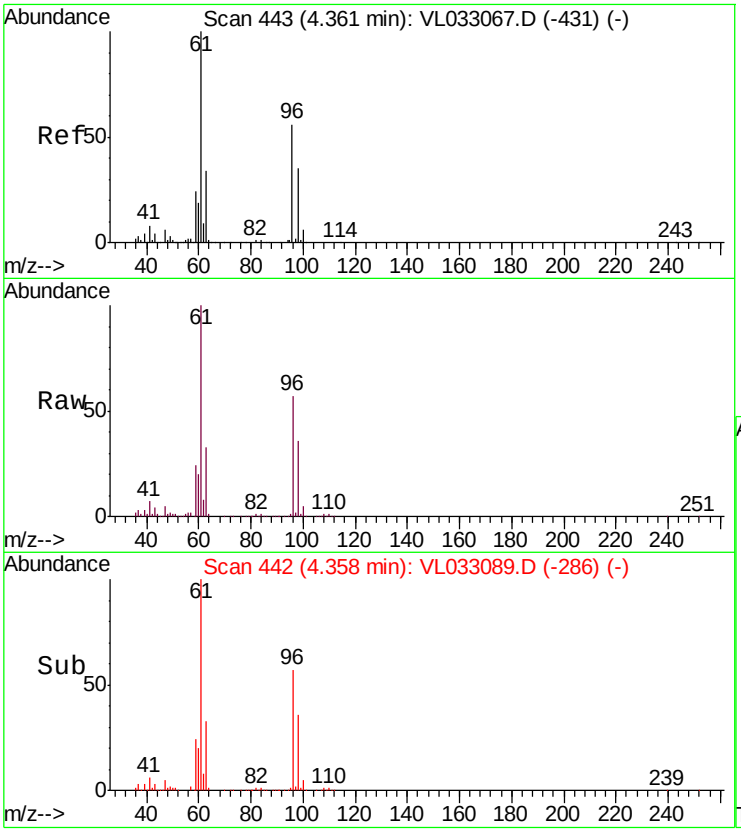


#16
1,3-Butadiene
Concen: 9.645 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 39 Resp: 570793

Ion	Ratio	Lower	Upper
39	100		
54	91.8	73.7	110.5



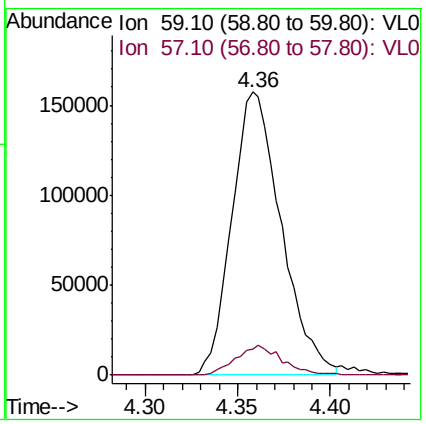


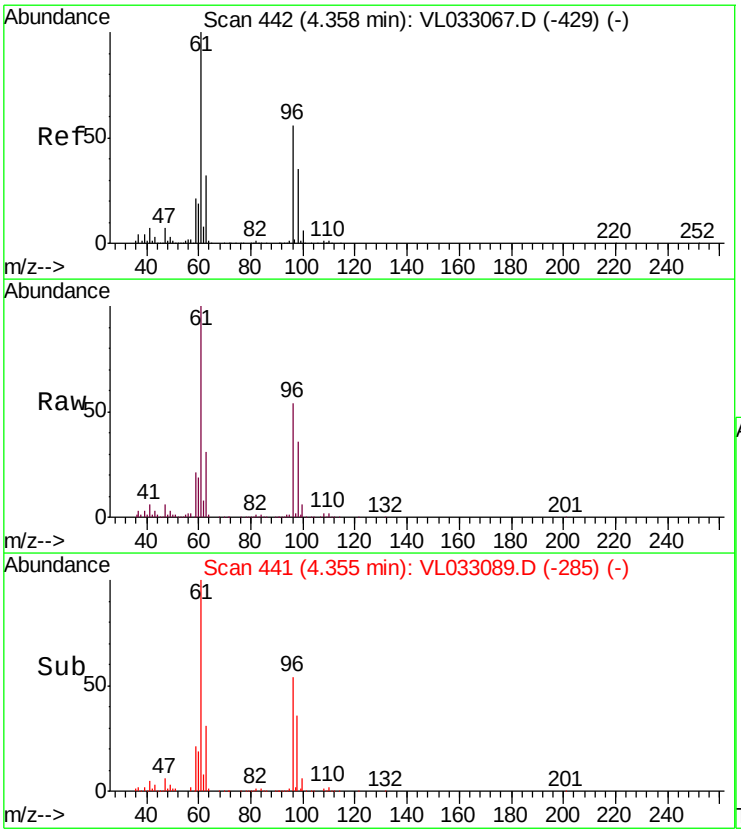
#17
tert-Butyl alcohol
Concen: 8.766 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 59 Resp: 291426

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.7	11.5

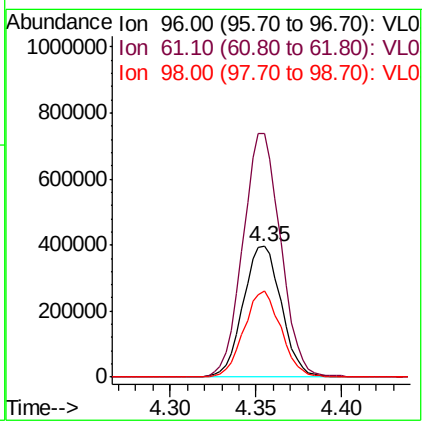


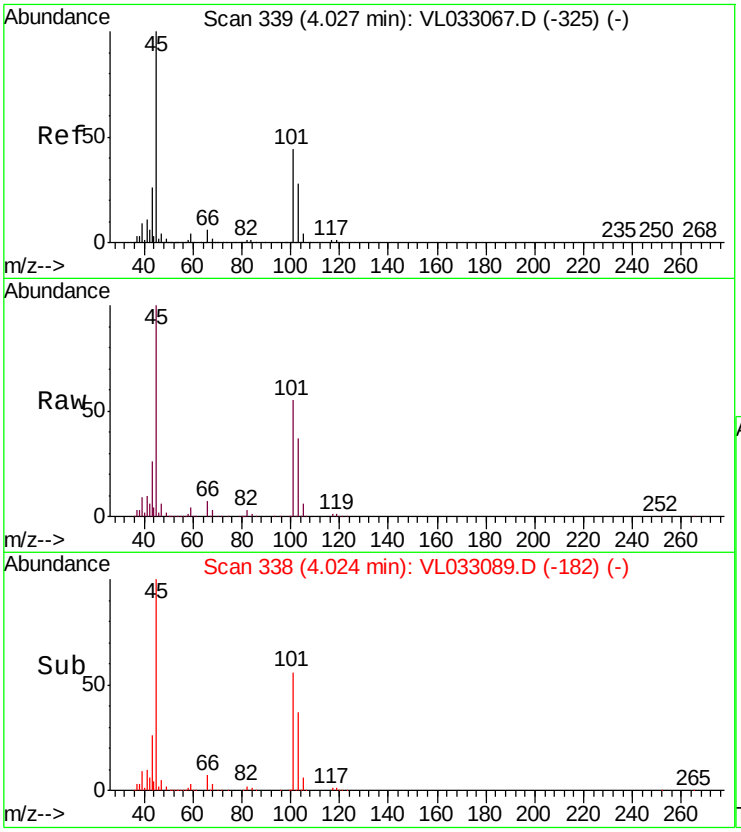


#18
1,1-Dichloroethene
Concen: 8.951 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 96 Resp: 607872

Ion	Ratio	Lower	Upper
96	100		
61	185.7	143.7	215.5
98	66.1	52.1	78.1



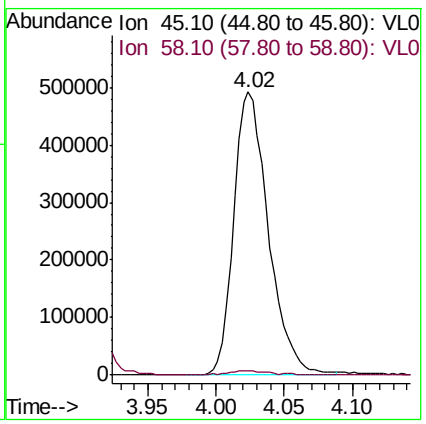


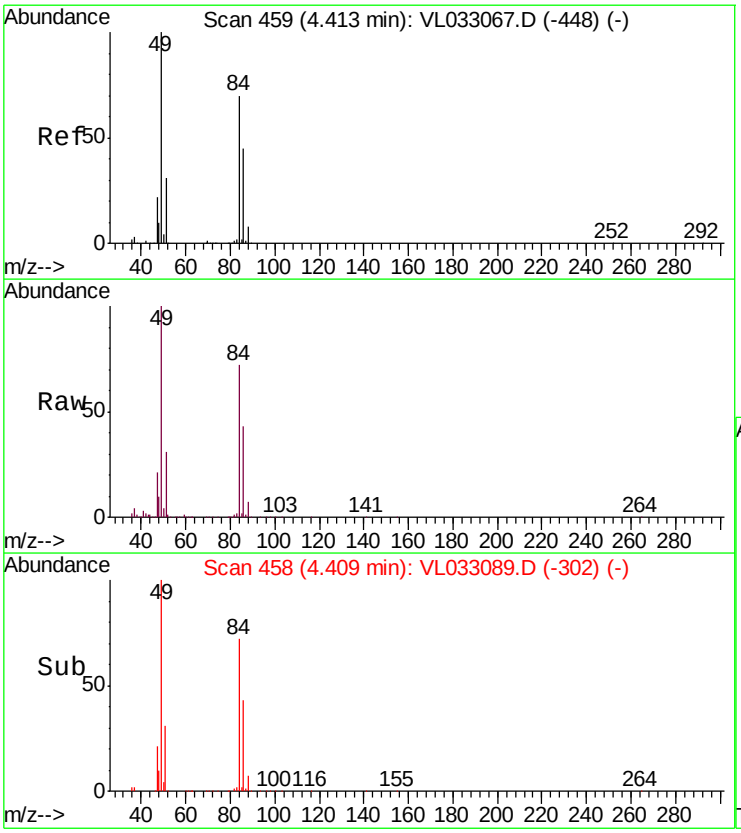
#19
Isopropyl Alcohol
Concen: 8.046 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 45 Resp: 869203

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.4	2.2

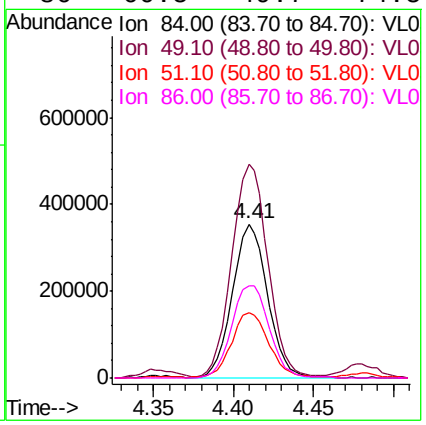


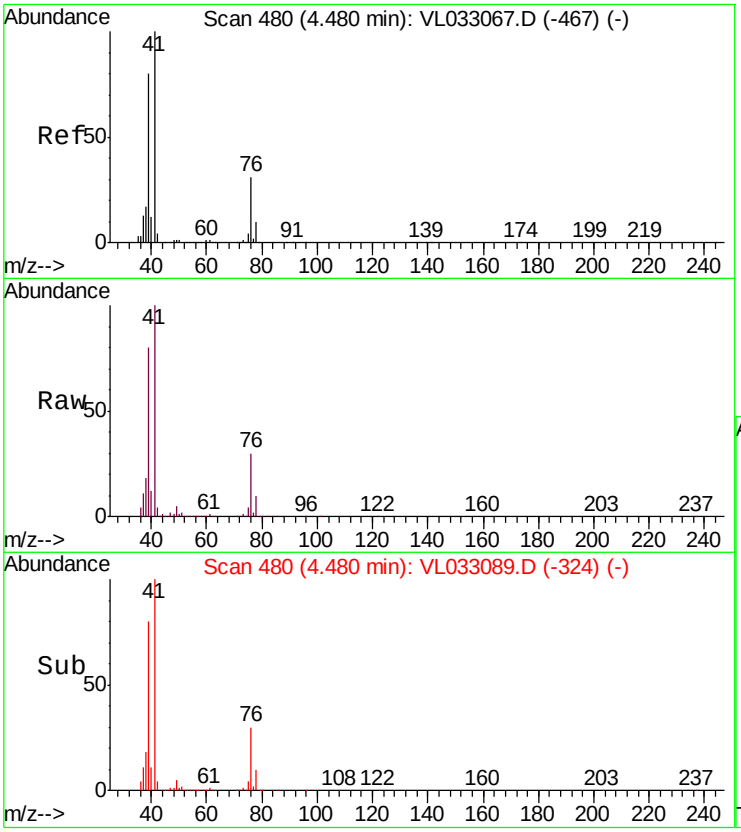


#20
Methylene Chloride
Concen: 8.007 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 84 Resp: 523816

Ion	Ratio	Lower	Upper
84	100		
49	137.9	115.8	173.6
51	42.3	35.7	53.5
86	60.5	49.7	74.5



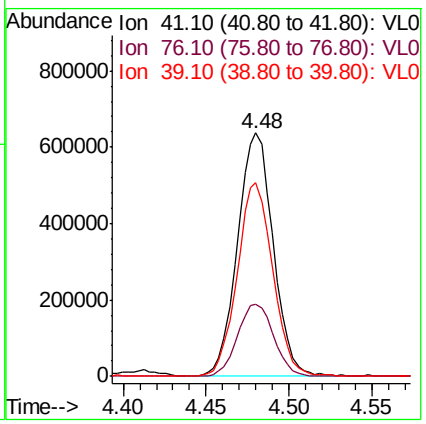


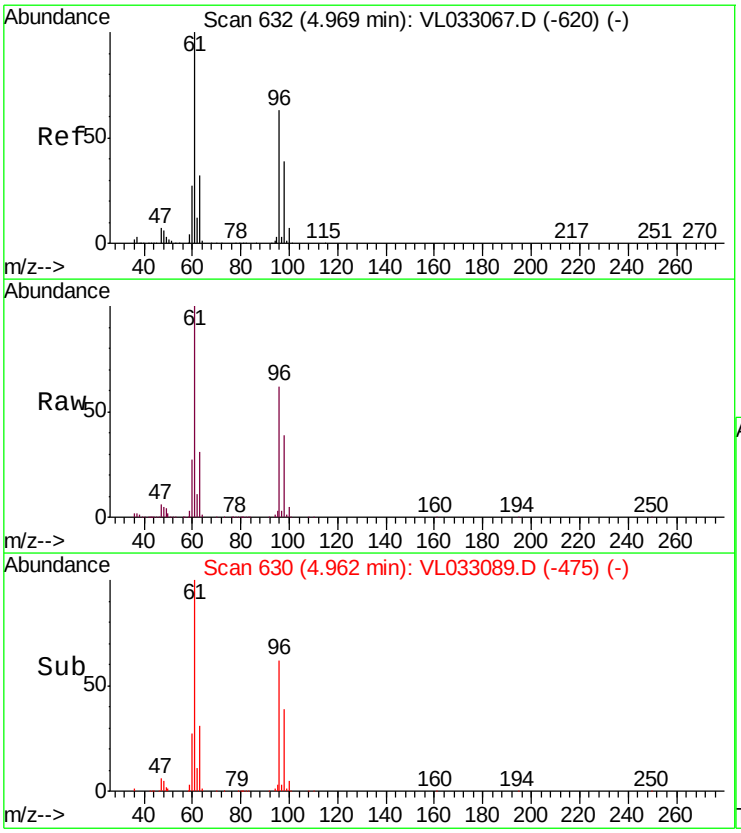
#21
Allyl Chloride
Concen: 9.726 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 41 Resp: 945824

Ion	Ratio	Lower	Upper
41	100		
76	30.4	24.6	36.8
39	79.6	62.8	94.2

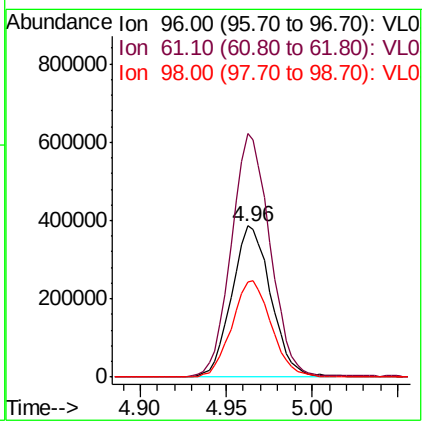


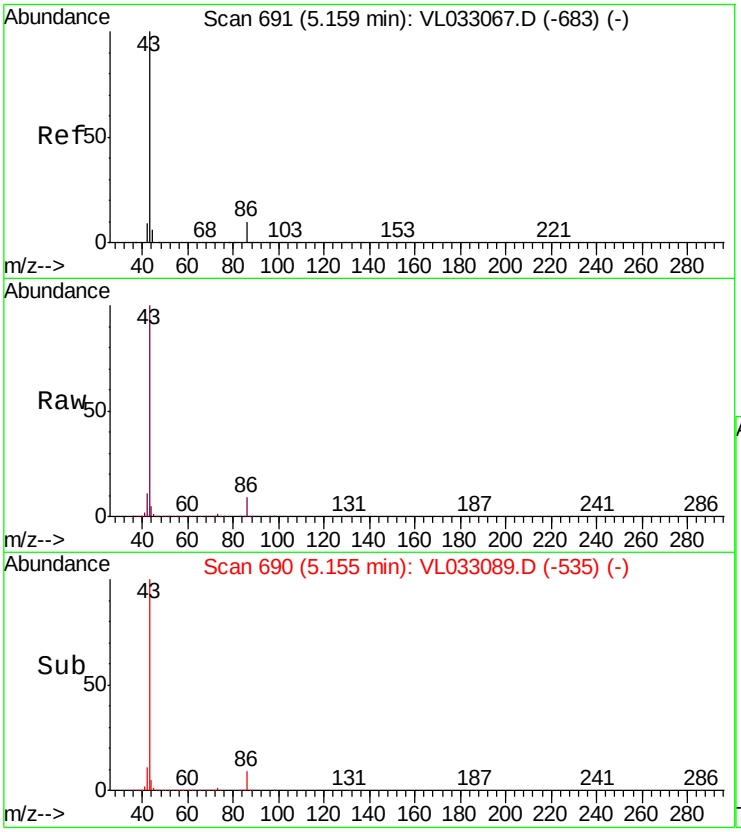


#22
trans-1,2-Dichloroethene
Concen: 9.049 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 96 Resp: 609161

Ion	Ratio	Lower	Upper
96	100		
61	161.0	125.2	187.8
98	62.5	50.9	76.3



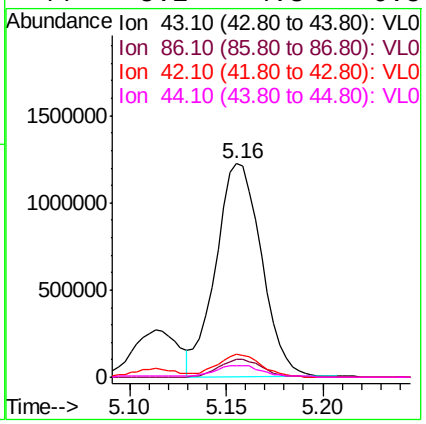


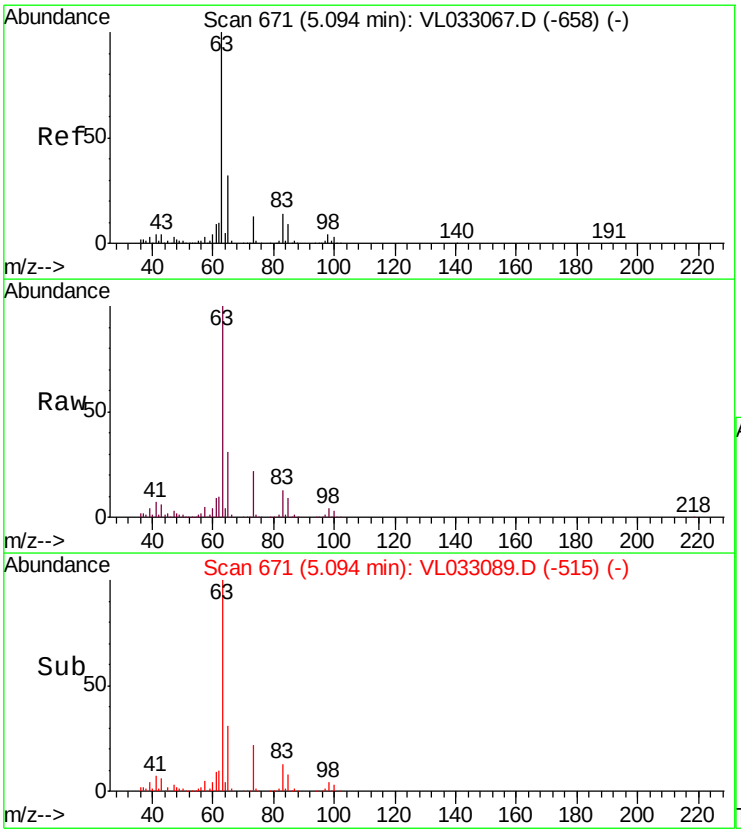
#23
Vinyl Acetate
Concen: 10.032 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 43 Resp: 2002792

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.2	9.4
42	10.5	8.1	12.1
44	5.2	4.3	6.5

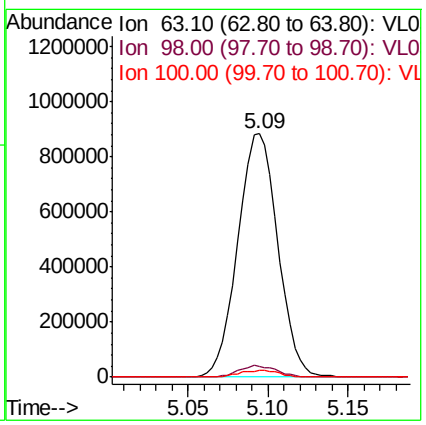


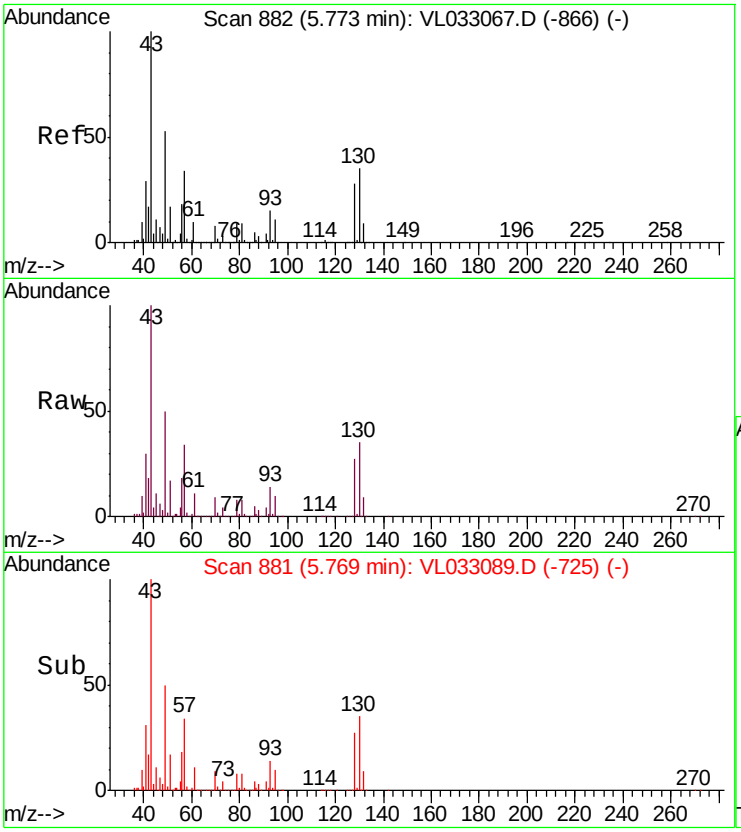


#24
1,1-Dichloroethane
Concen: 8.861 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 63 Resp: 1502094

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	3.1	1.4	4.0



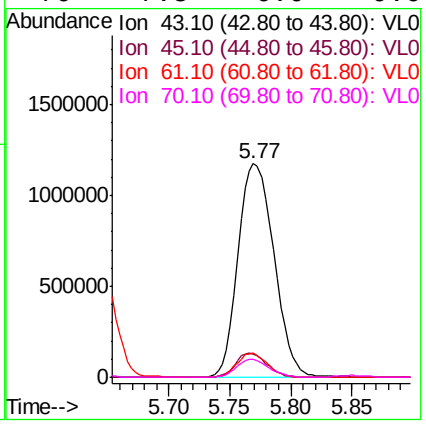


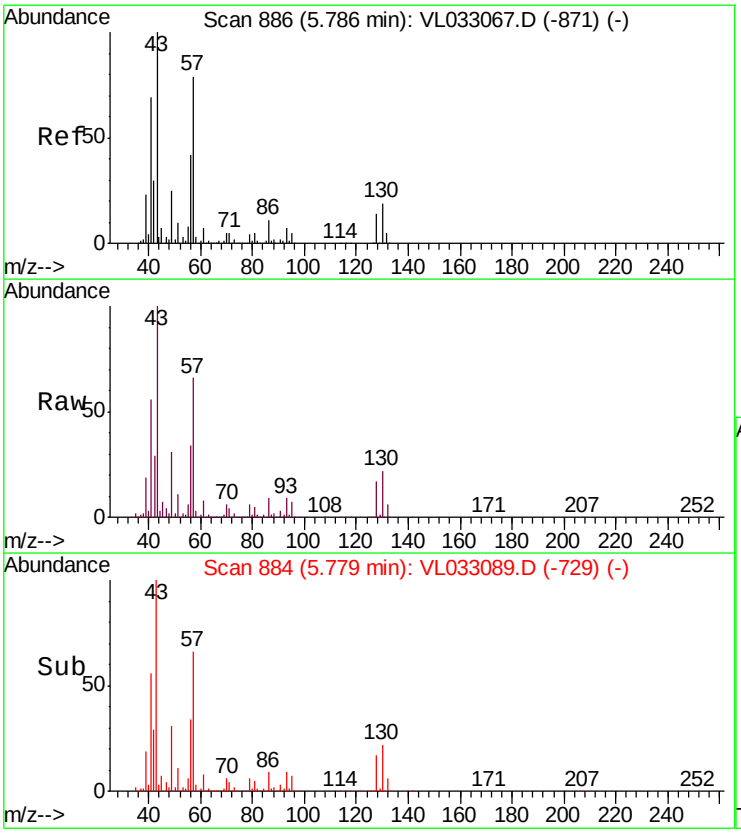
#25
Ethyl Acetate
Concen: 8.994 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 43 Resp: 2385875

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.6	7.8	11.8
70	7.3	6.0	9.0

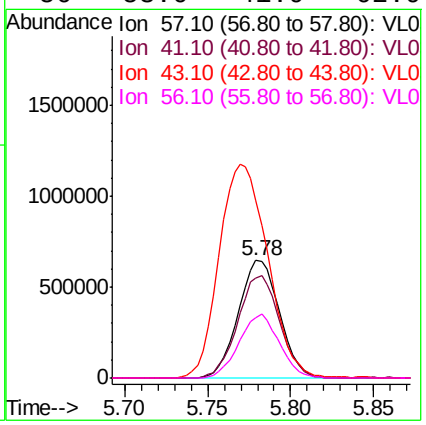


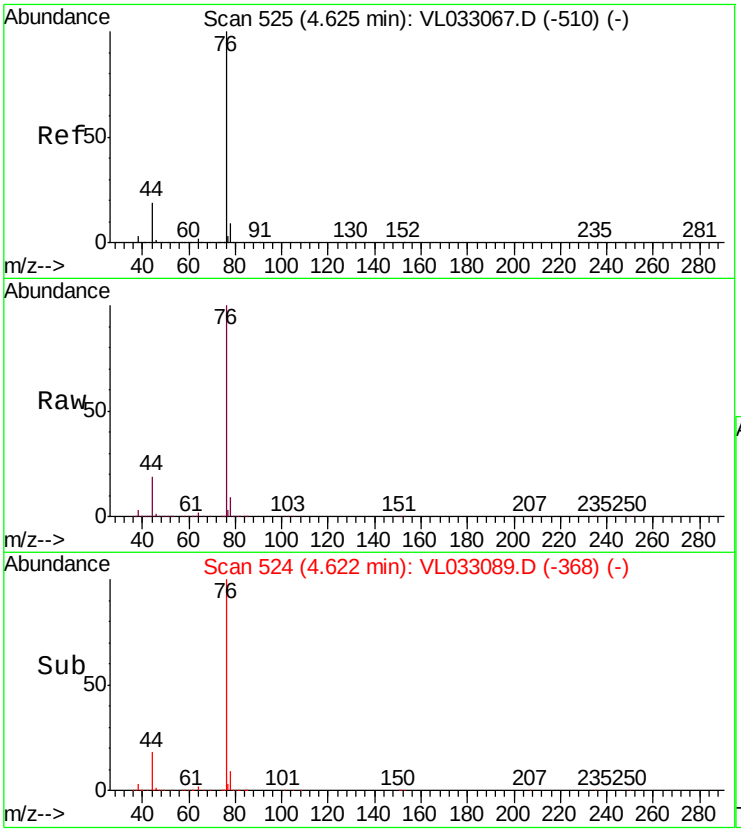


#26
Hexane
Concen: 8.944 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 57 Resp: 1117131

Ion	Ratio	Lower	Upper
57	100		
41	88.6	70.8	106.2
43	214.6	171.8	257.6
56	53.0	41.9	62.9



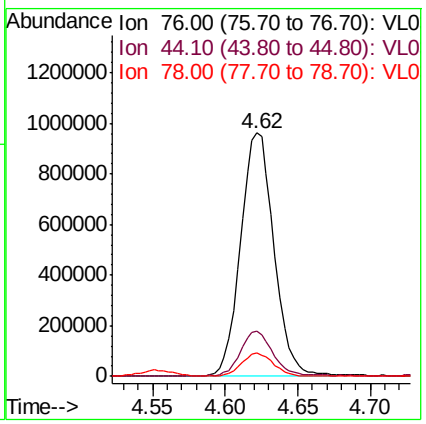


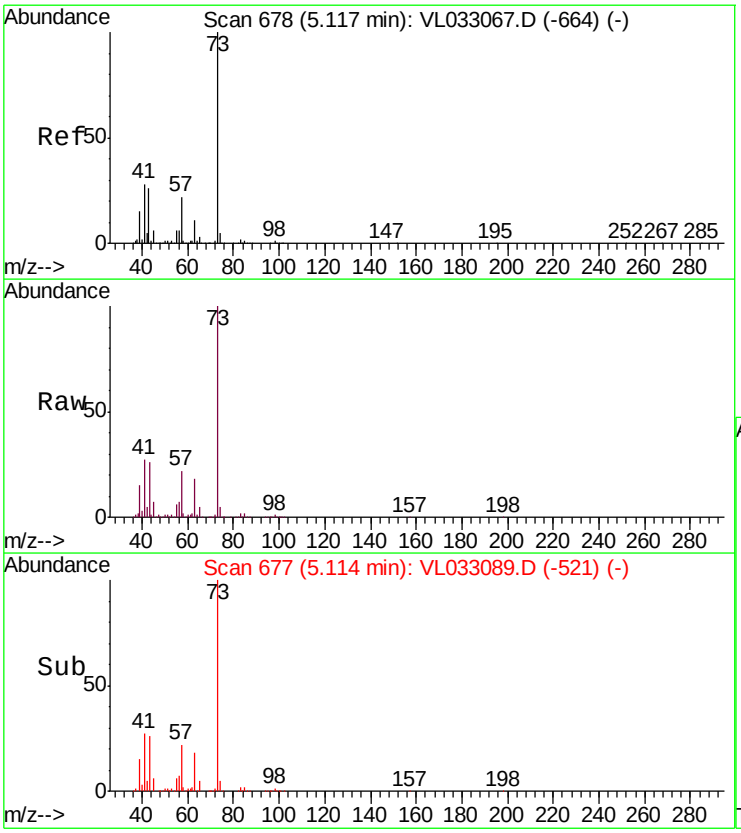
#27
Carbon Disulfide
Concen: 9.989 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 76 Resp: 1538702

Ion	Ratio	Lower	Upper
76	100		
44	17.4	13.9	20.9
78	9.3	7.3	10.9

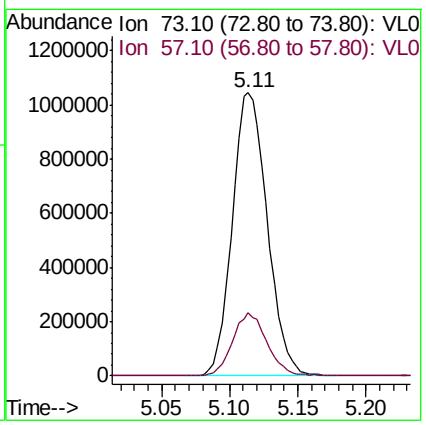


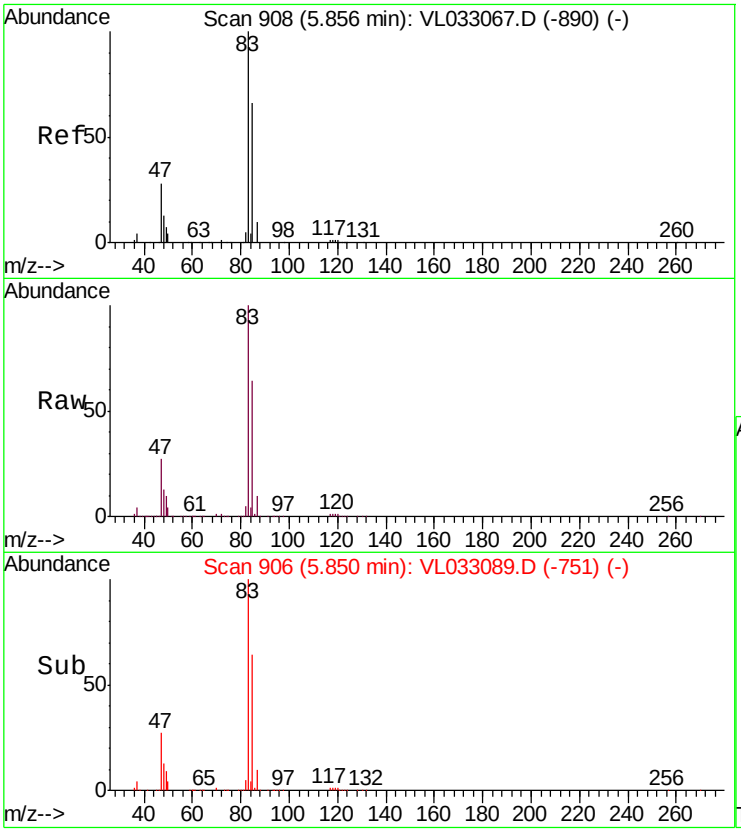


#28
Methyl tert-Butyl Ether
Concen: 9.541 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 73 Resp: 1860081

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.5	26.3



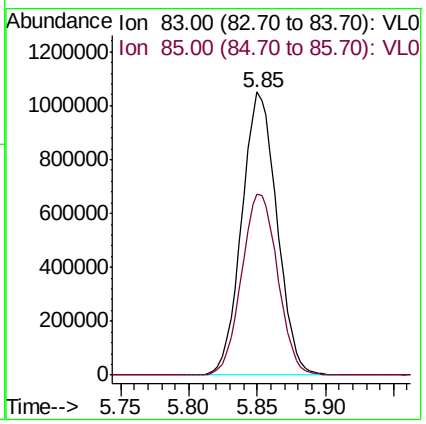


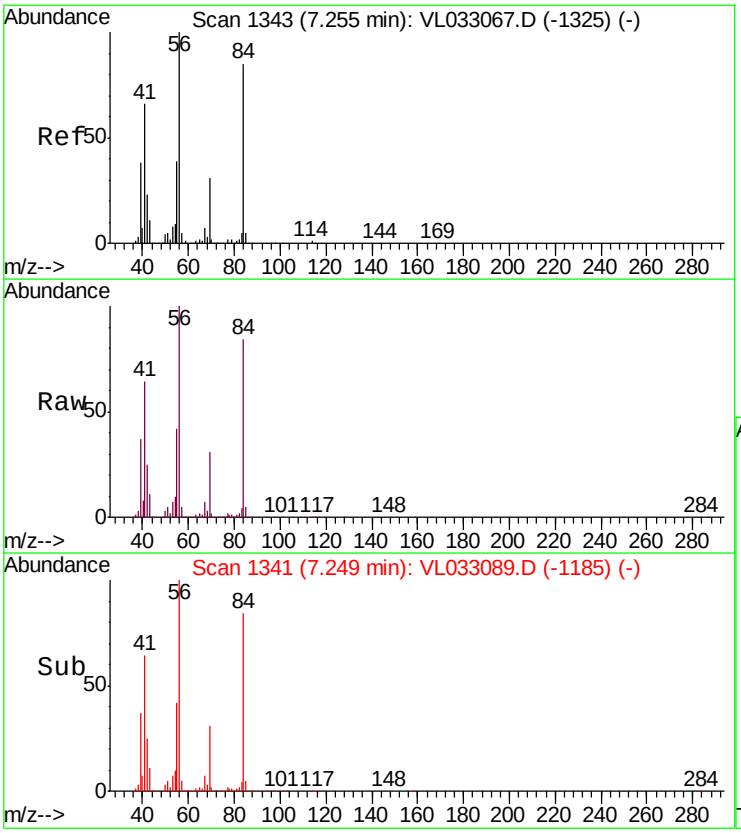
#29
Chloroform
Concen: 8.828 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 83 Resp: 1879119

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7

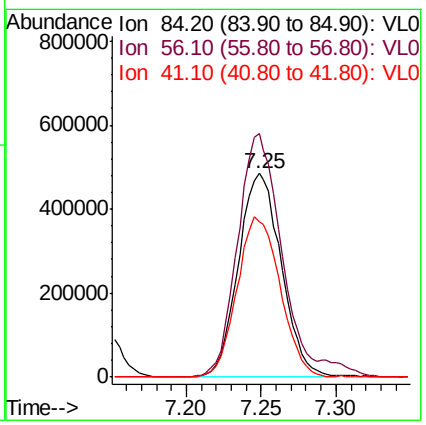


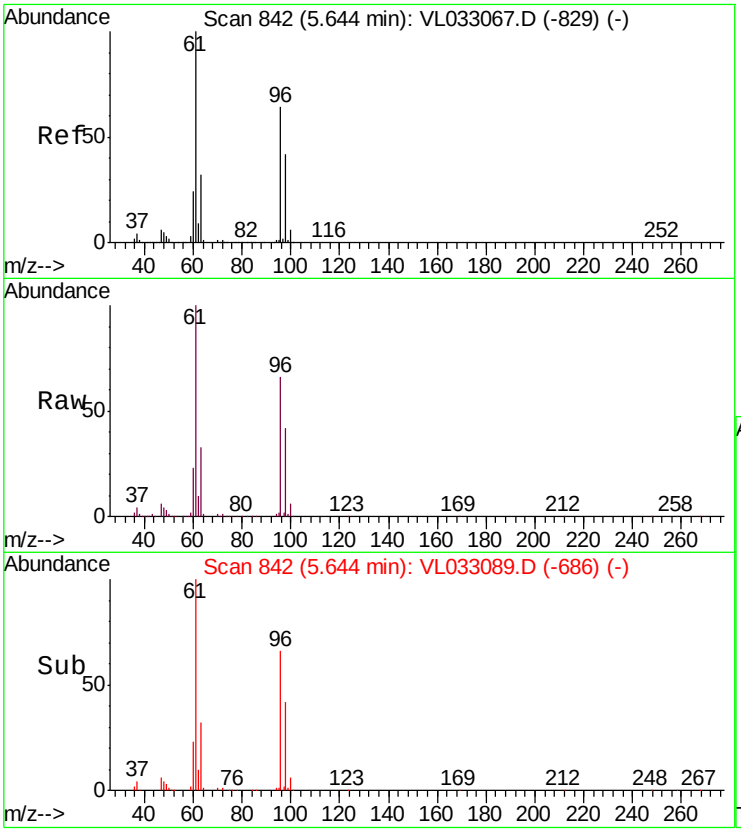


#30
Cyclohexane
Concen: 10.374 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 84 Resp: 966202

Ion	Ratio	Lower	Upper
84	100		
56	125.9	101.8	152.6
41	79.3	63.2	94.8



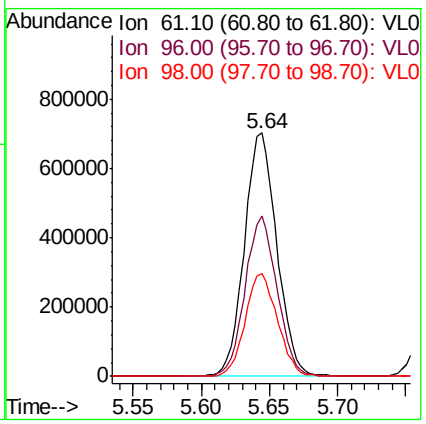


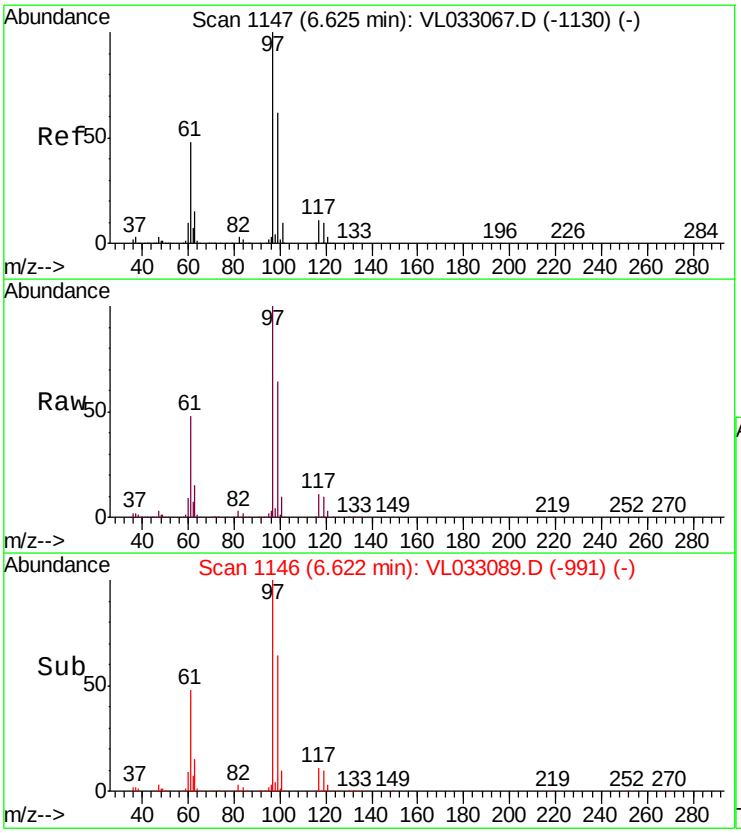
#31
cis-1,2-Dichloroethene
Concen: 10.016 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 61 Resp: 1161709

Ion	Ratio	Lower	Upper
61	100		
96	66.0	52.8	79.2
98	42.1	33.8	50.6

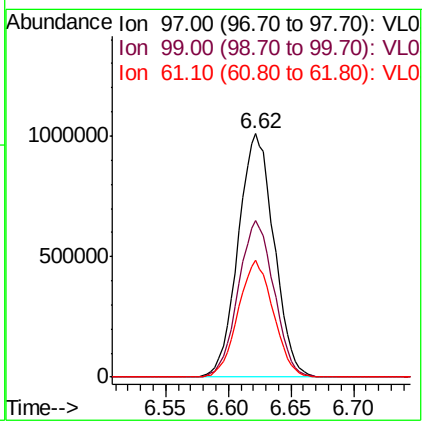


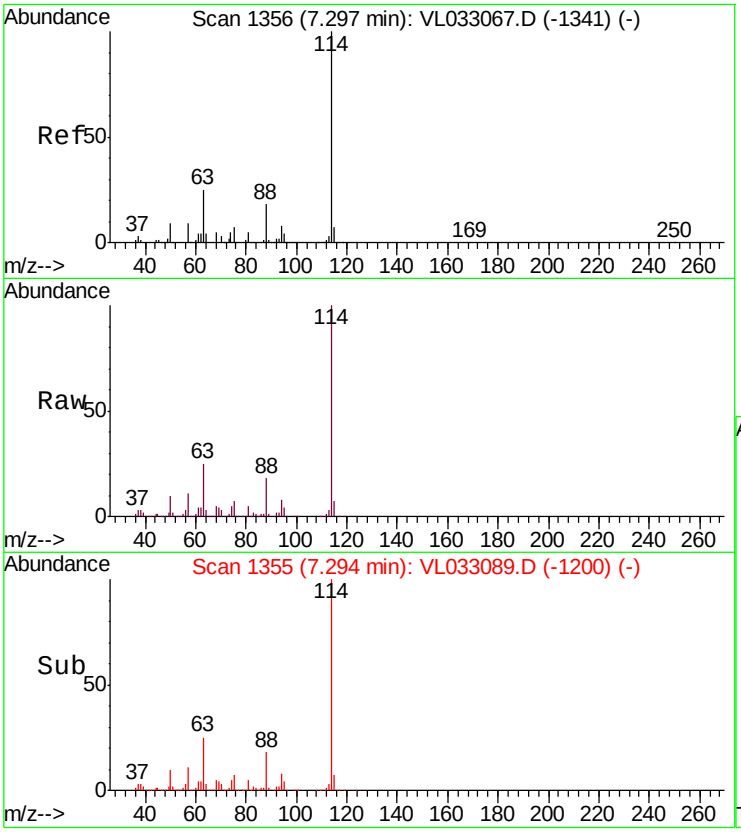


#32
1,1,1-Trichloroethane
Concen: 9.288 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 97 Resp: 2006453

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	47.3	38.3	57.5



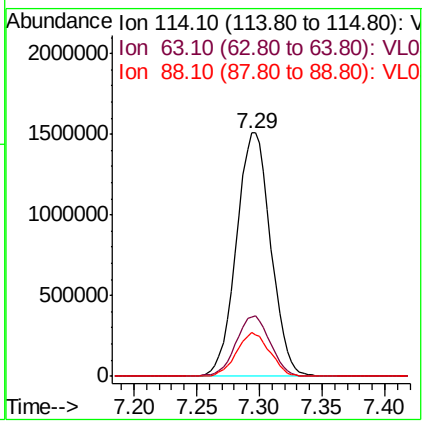


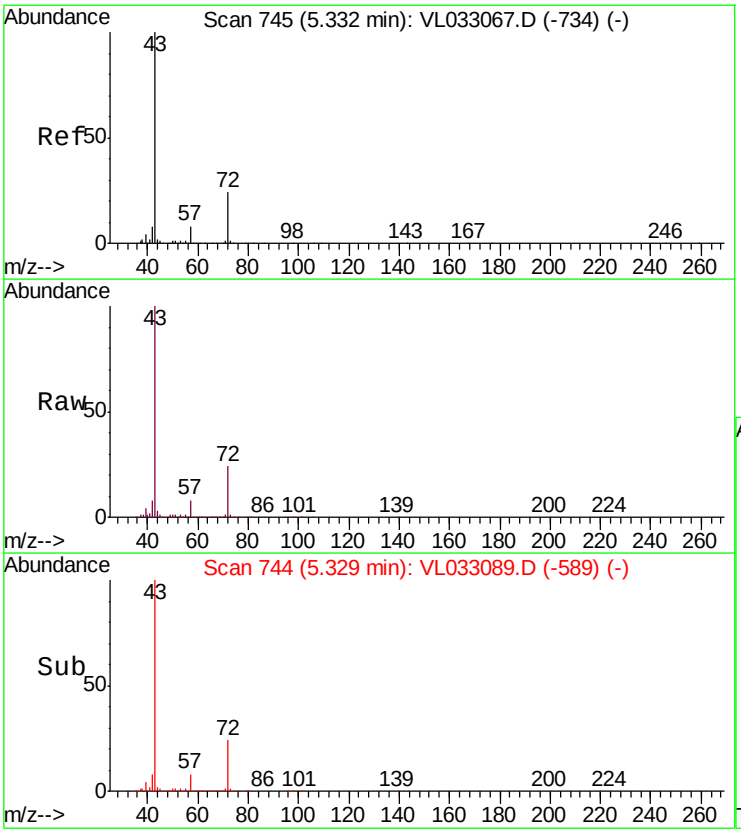
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:114 Resp: 2871681

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.4	14.0	21.0

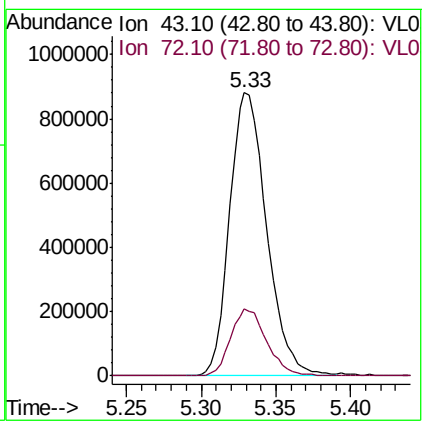


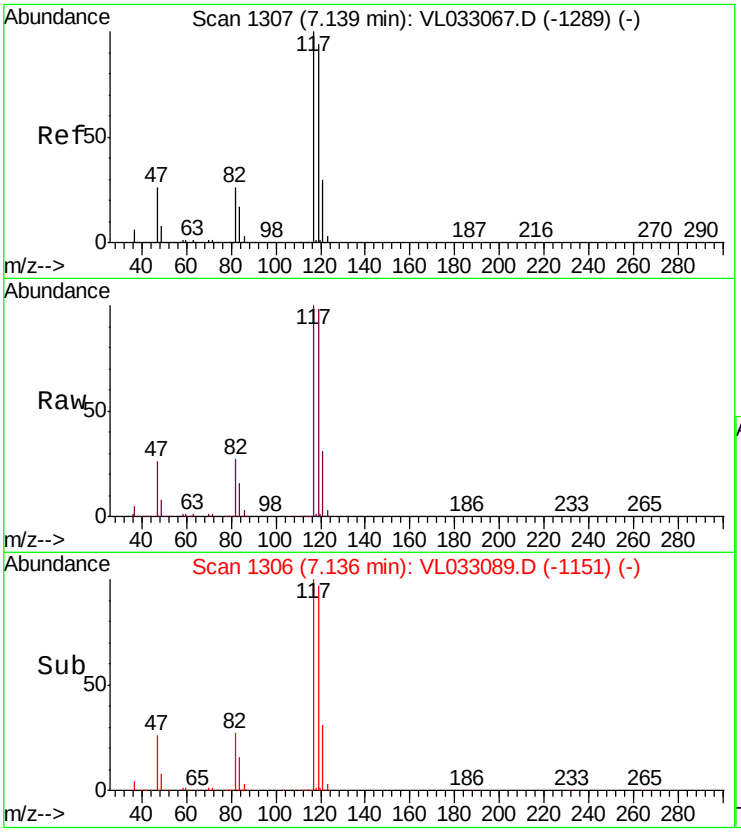


#34
2-Butanone
Concen: 9.047 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 43 Resp: 1509564

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.9	28.3



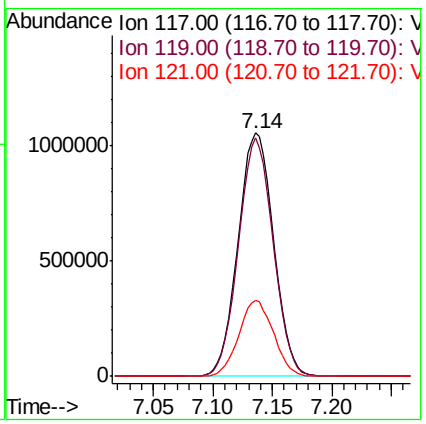


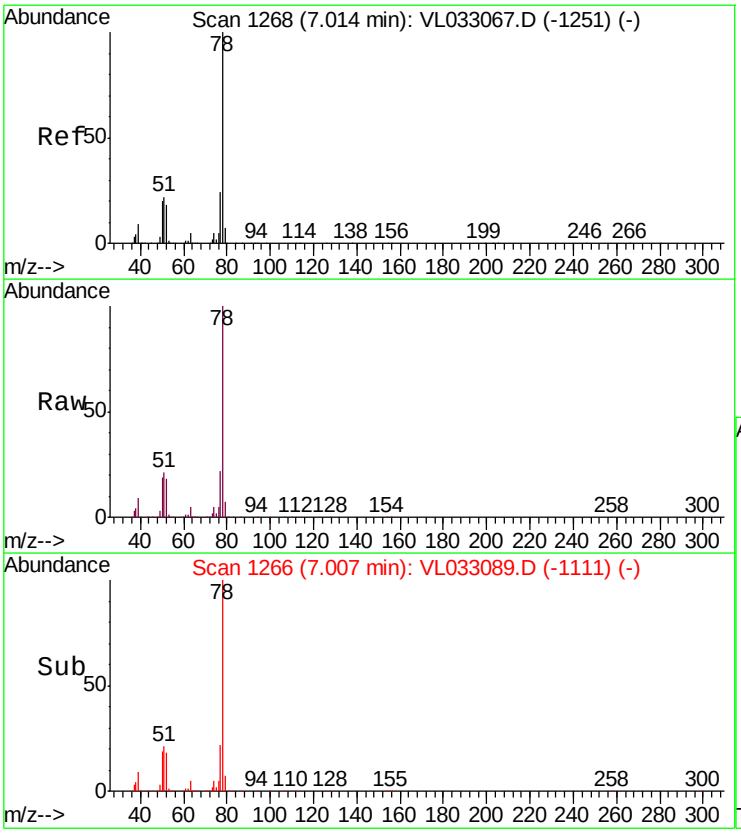
#35
Carbon Tetrachloride
Concen: 8.831 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:117 Resp: 2178268

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.5	114.7
121	31.1	25.2	37.8

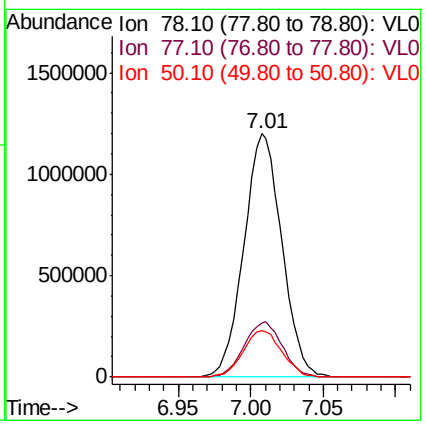


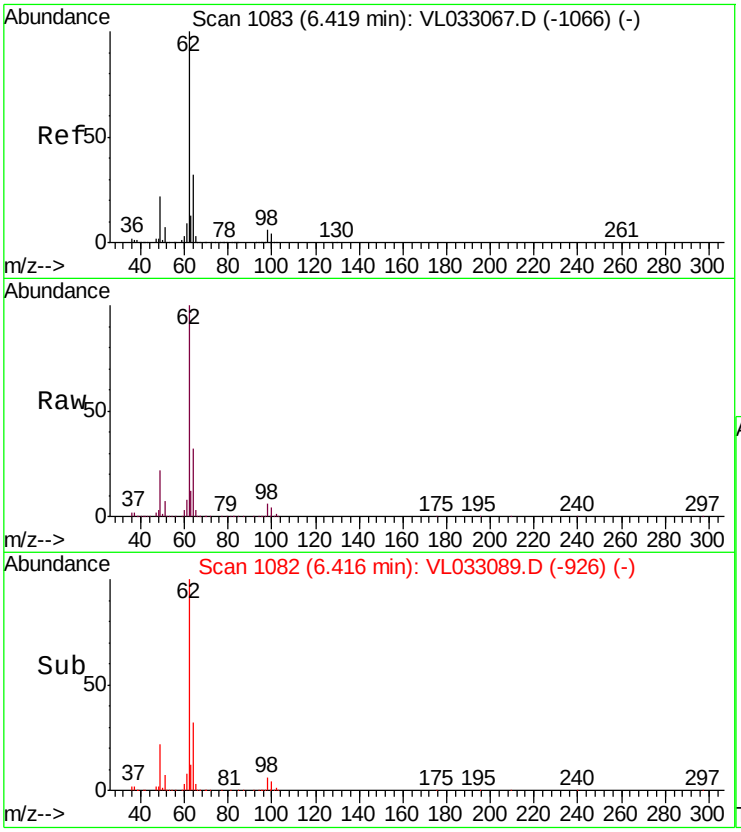


#36
Benzene
Concen: 9.283 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 78 Resp: 2183610

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.5	27.7
50	19.1	15.7	23.5



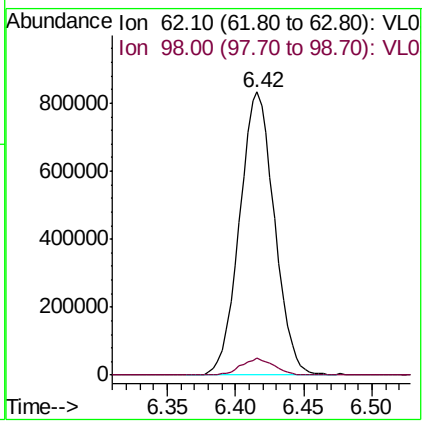


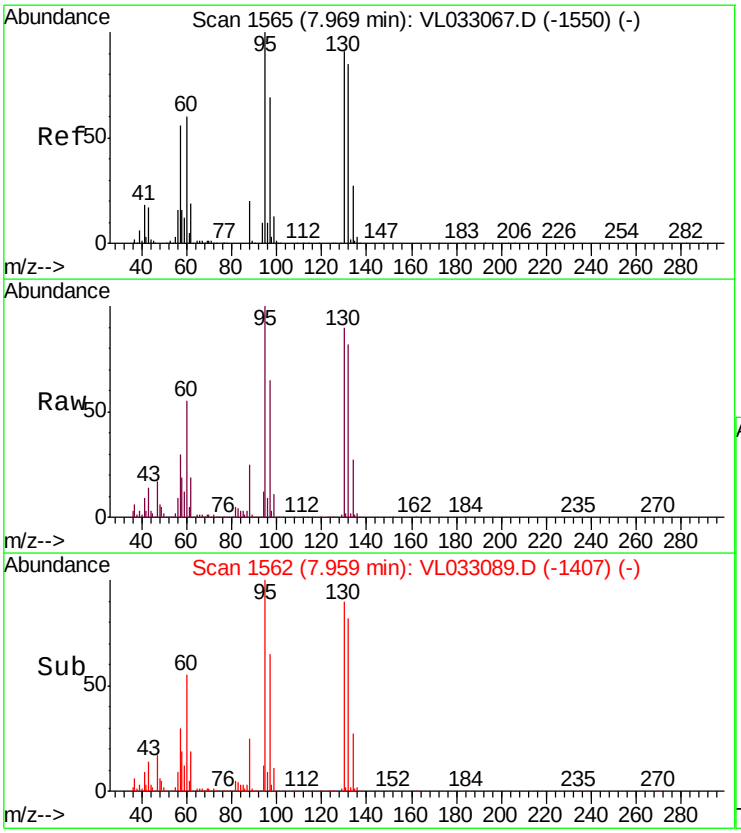
#37
1,2-Dichloroethane
Concen: 9.009 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 62 Resp: 1479632

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.6	7.0

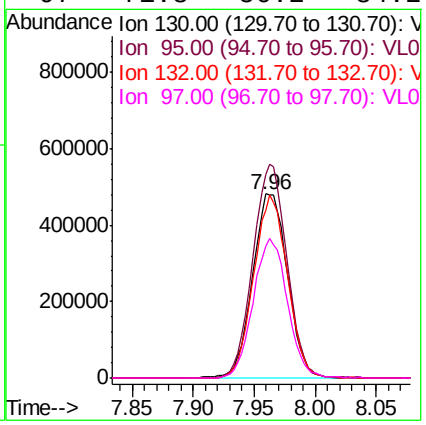


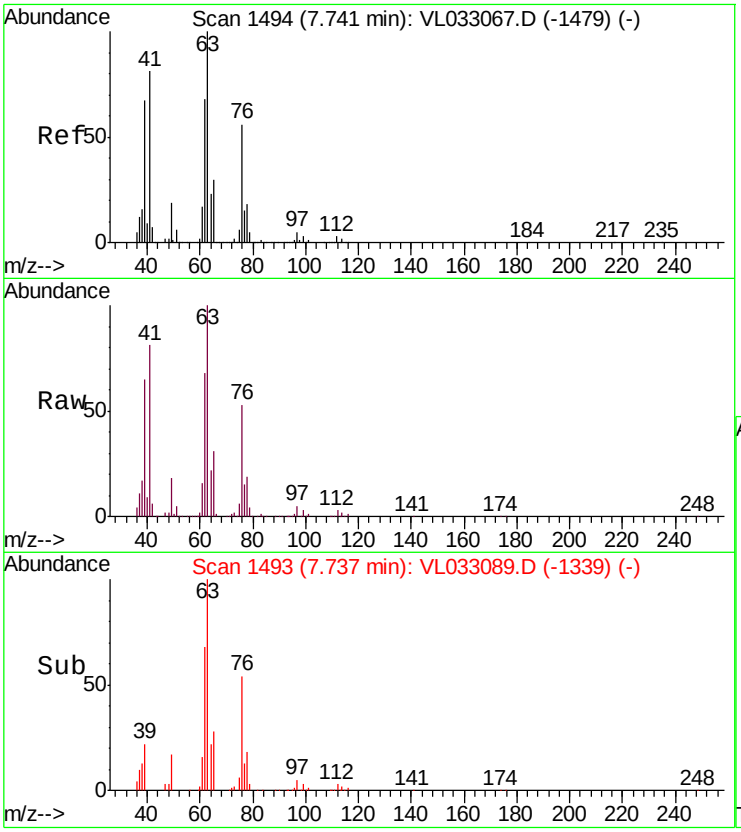


#38
Trichloroethene
Concen: 9.826 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:130 Resp: 950913

Ion	Ratio	Lower	Upper
130	100		
95	111.0	88.6	132.8
132	91.3	74.2	111.2
97	71.8	56.2	84.2



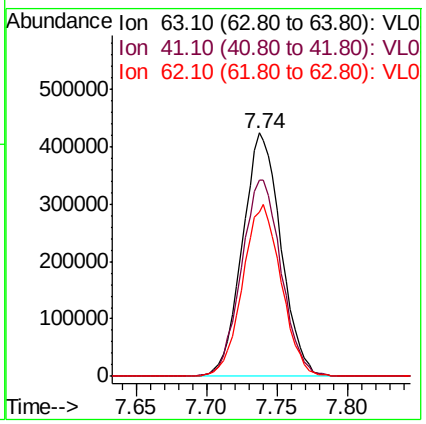


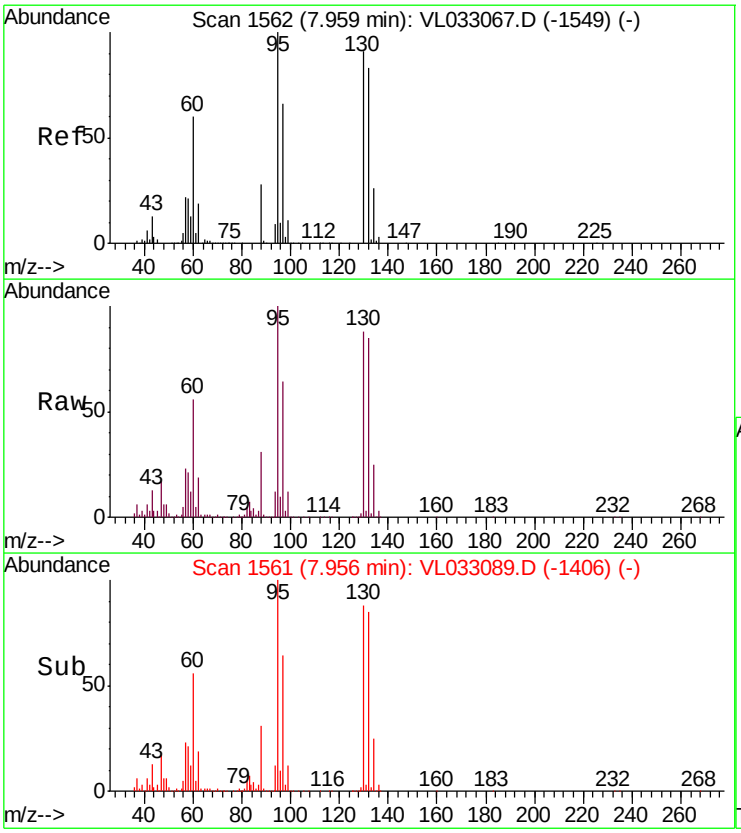
#39
1,2-Dichloropropane
Concen: 9.167 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 63 Resp: 810096

Ion	Ratio	Lower	Upper
63	100		
41	80.7	61.9	92.9
62	67.6	55.8	83.6

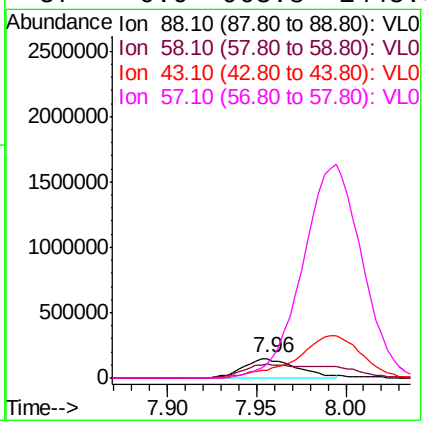


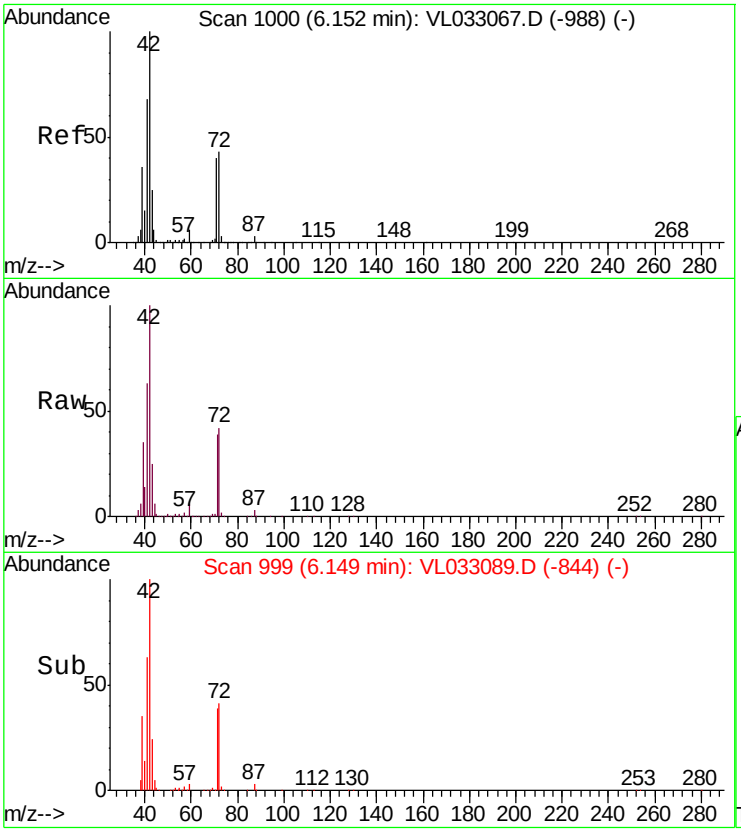


#40
1,4-Dioxane
Concen: 9.024 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 88 Resp: 302703

Ion	Ratio	Lower	Upper
88	100		
58	131.0	101.9	152.9
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#



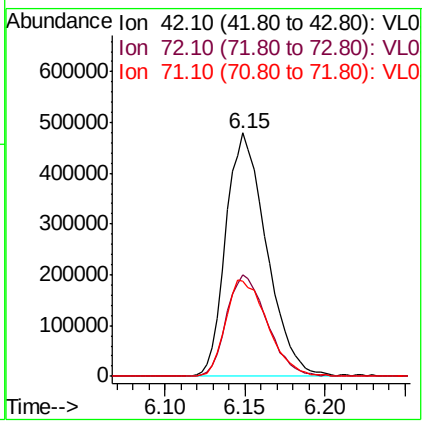


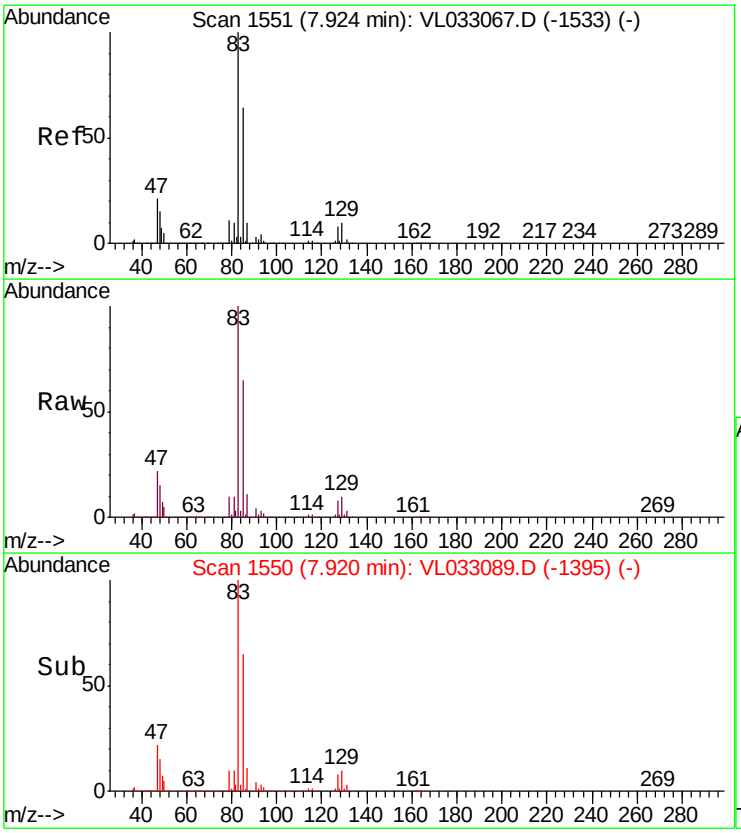
#41
Tetrahydrofuran
Concen: 9.792 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 42 Resp: 831583

Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.9	49.3
71	40.9	31.8	47.6

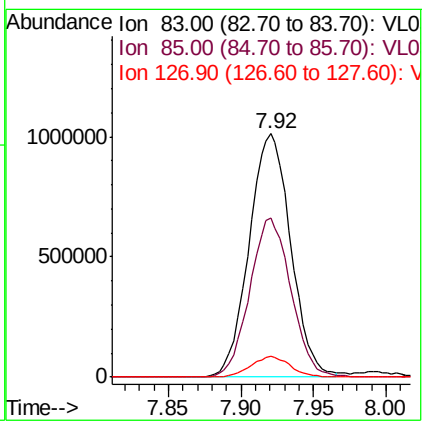


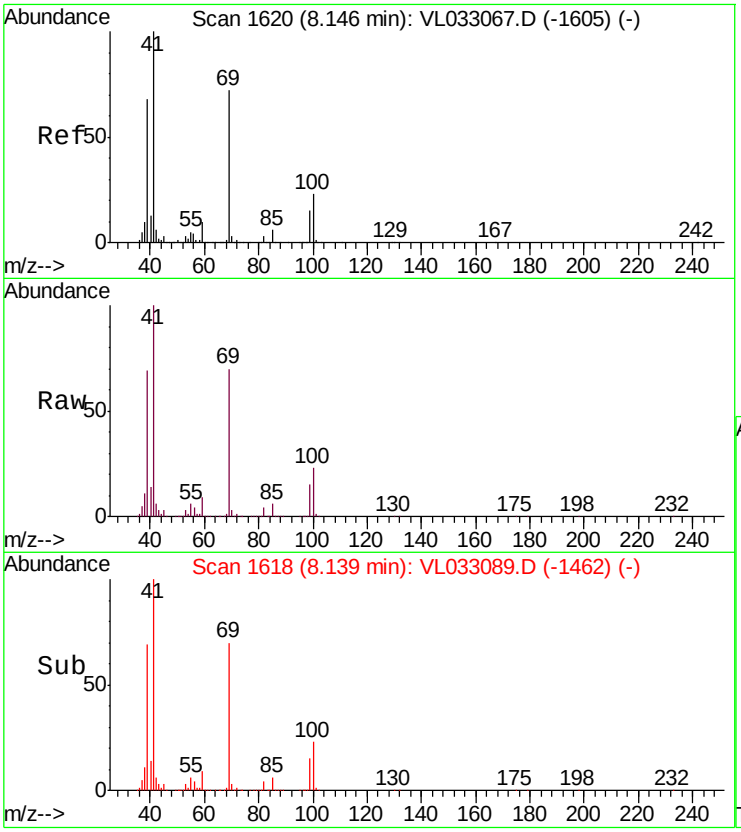


#42
Bromodichloromethane
Concen: 8.959 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 83 Resp: 2021277

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4
127	8.4	6.5	9.7



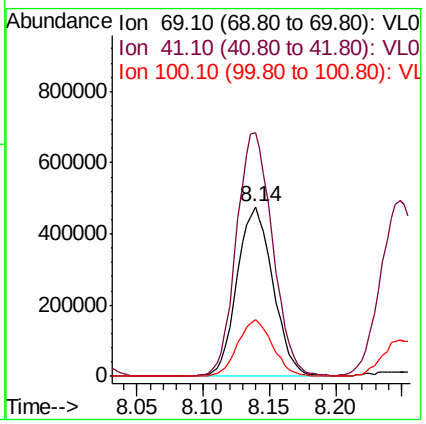


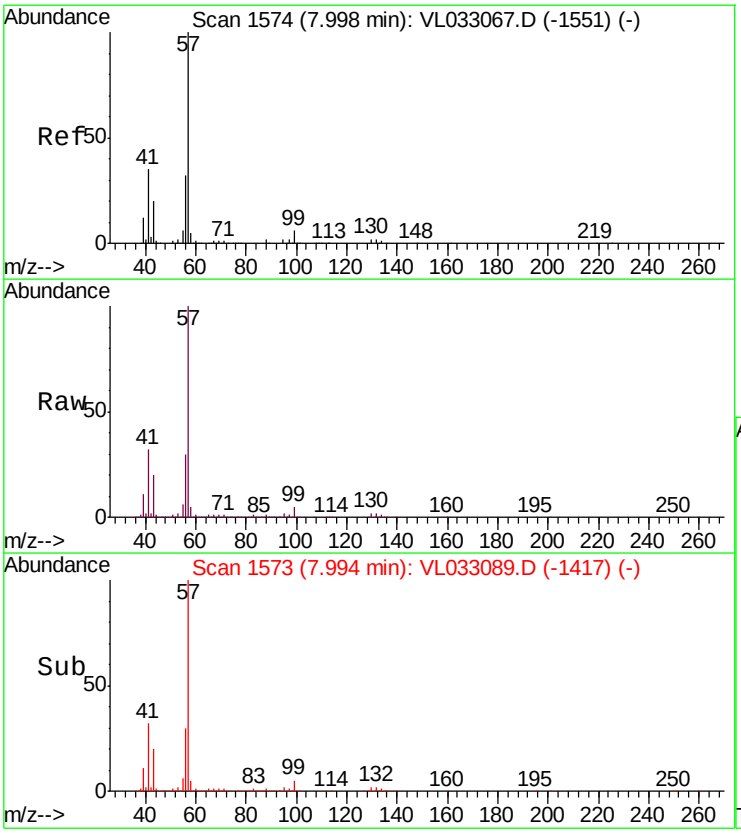
#43
Methyl Methacrylate
Concen: 10.135 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 69 Resp: 894571

Ion	Ratio	Lower	Upper
69	100		
41	144.8	114.0	171.0
100	32.5	26.3	39.5

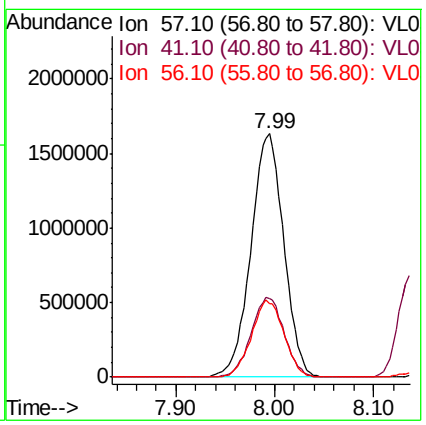


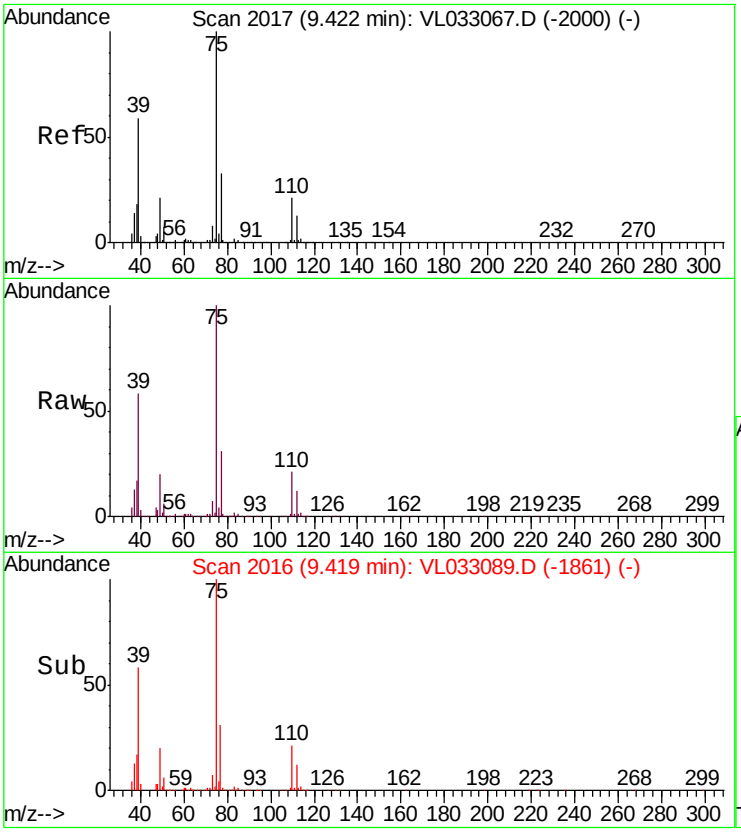


#44
2,2,4-Trimethylpentane
Concen: 9.407 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 57 Resp: 3747457

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.2	39.2
56	31.2	24.9	37.3



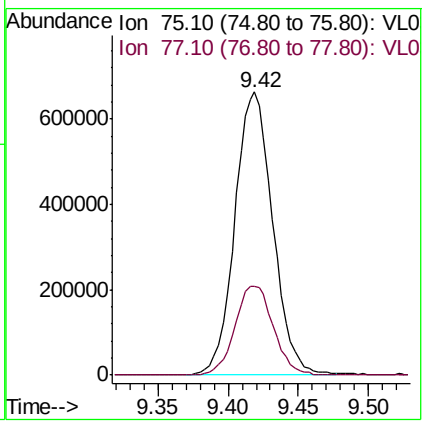


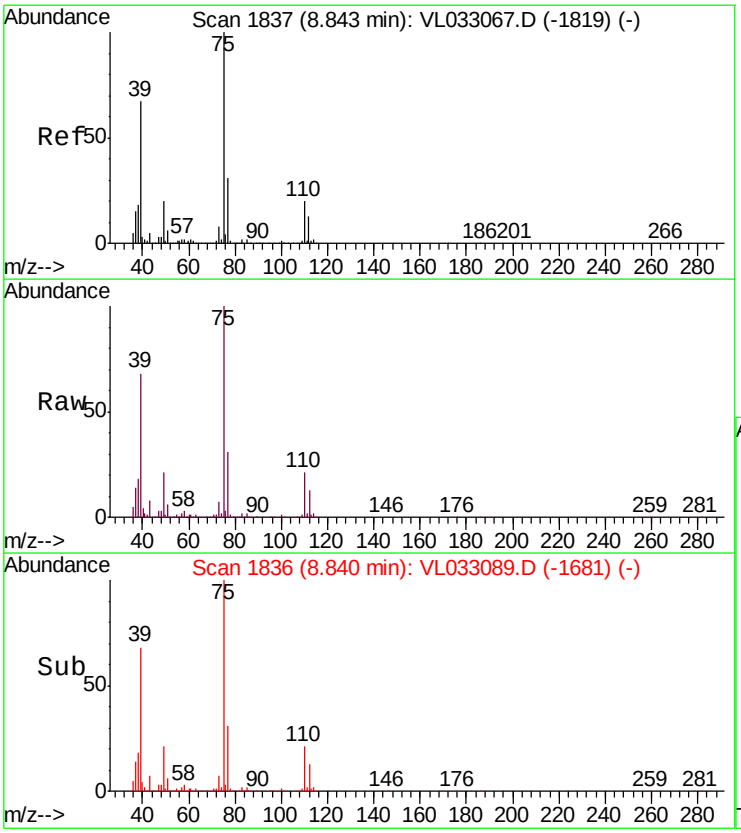
#45
t-1,3-Dichloropropene
Concen: 11.341 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 75 Resp: 1246102

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

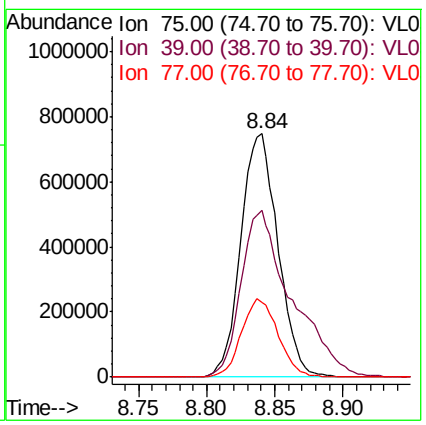


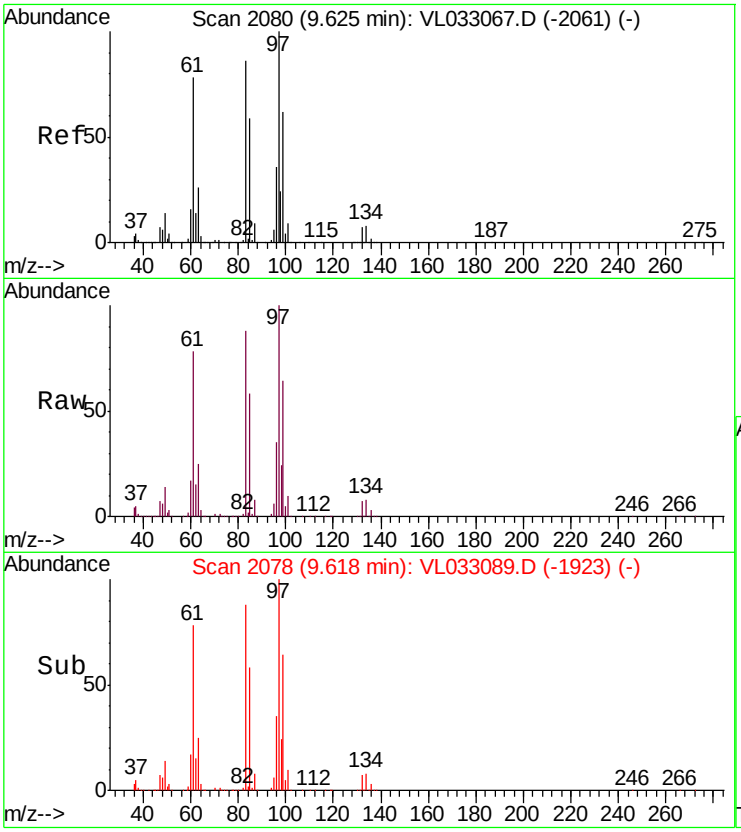


#46
cis-1,3-Dichloropropene
Concen: 11.248 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 75 Resp: 1410553

Ion	Ratio	Lower	Upper
75	100		
39	68.2	51.3	76.9
77	30.8	25.5	38.3



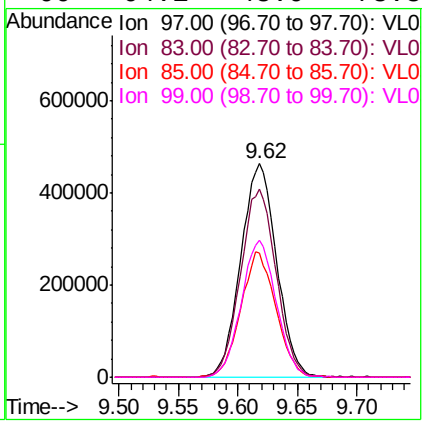


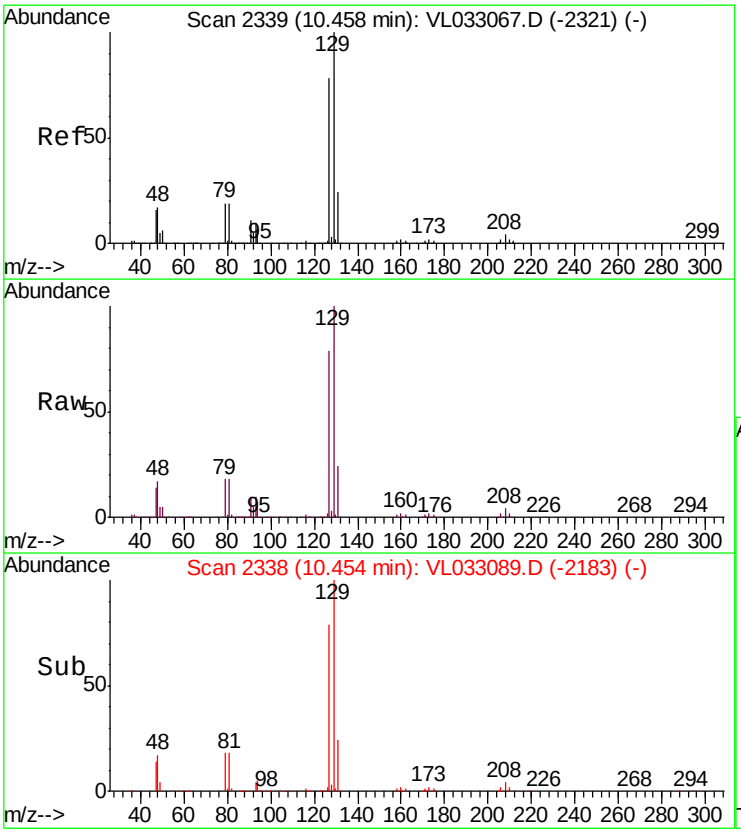
#47
1,1,2-Trichloroethane
Concen: 9.367 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion: 97 Resp: 967073

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.4	104.2
85	58.1	44.2	66.2
99	64.1	48.9	73.3

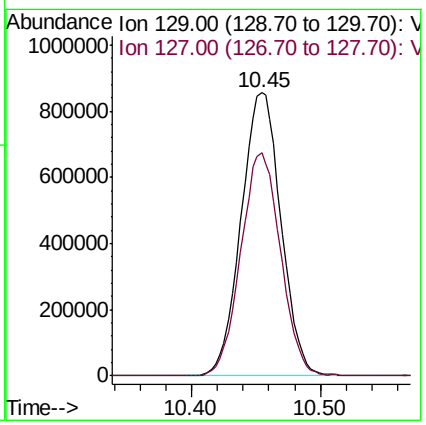


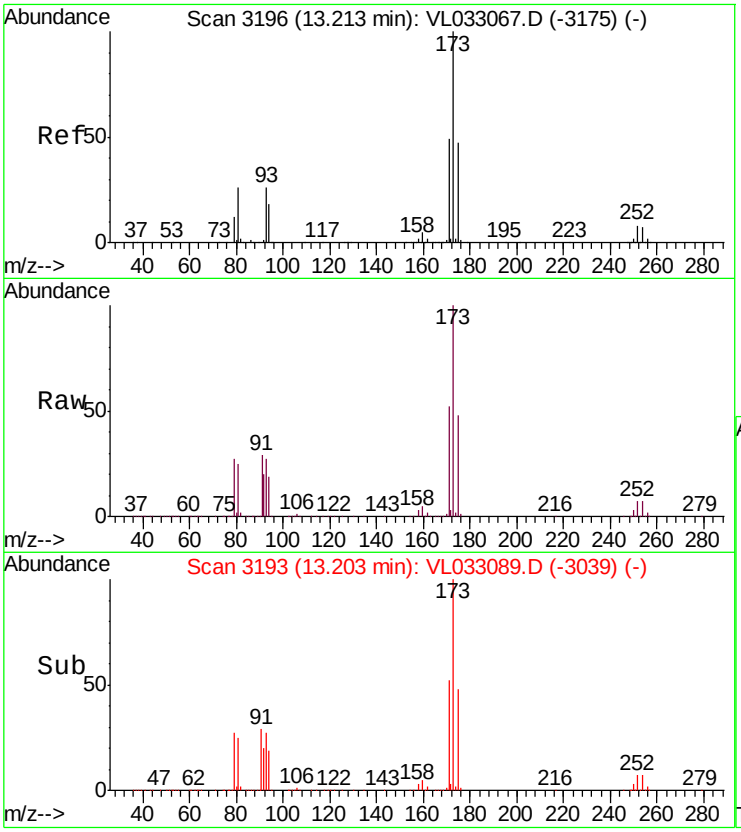


#48
Dibromochloromethane
Concen: 10.091 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:129 Resp: 1840755

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.3



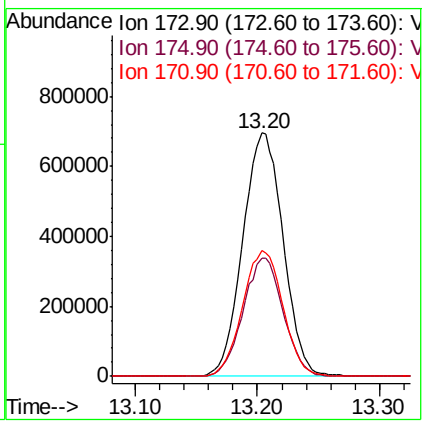


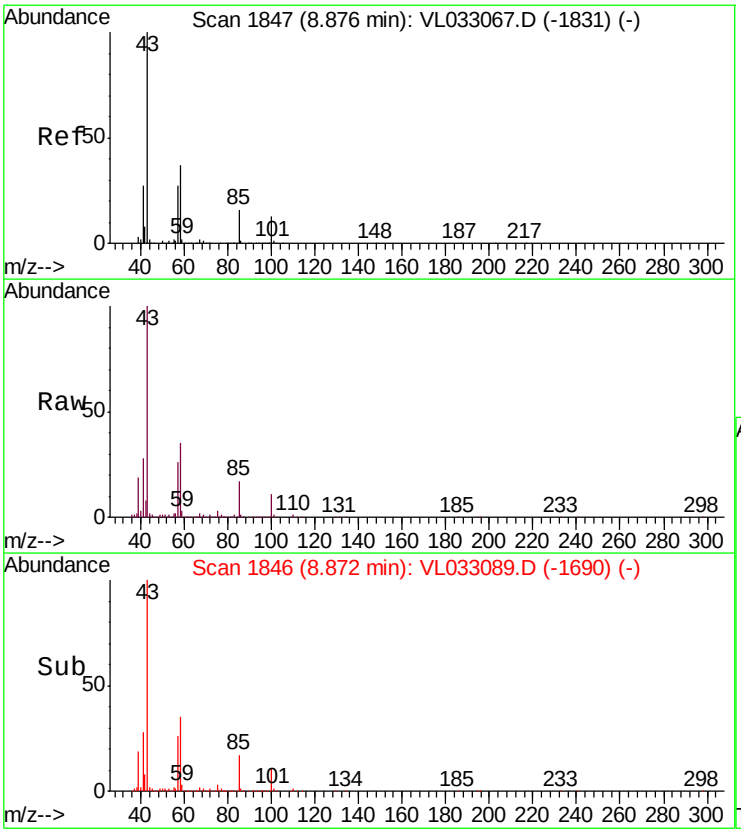
#49
Bromoform
Concen: 9.969 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:173 Resp: 1588876

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.4	59.2
171	51.7	42.1	63.1

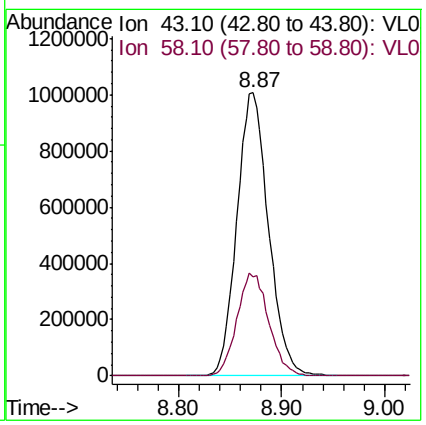


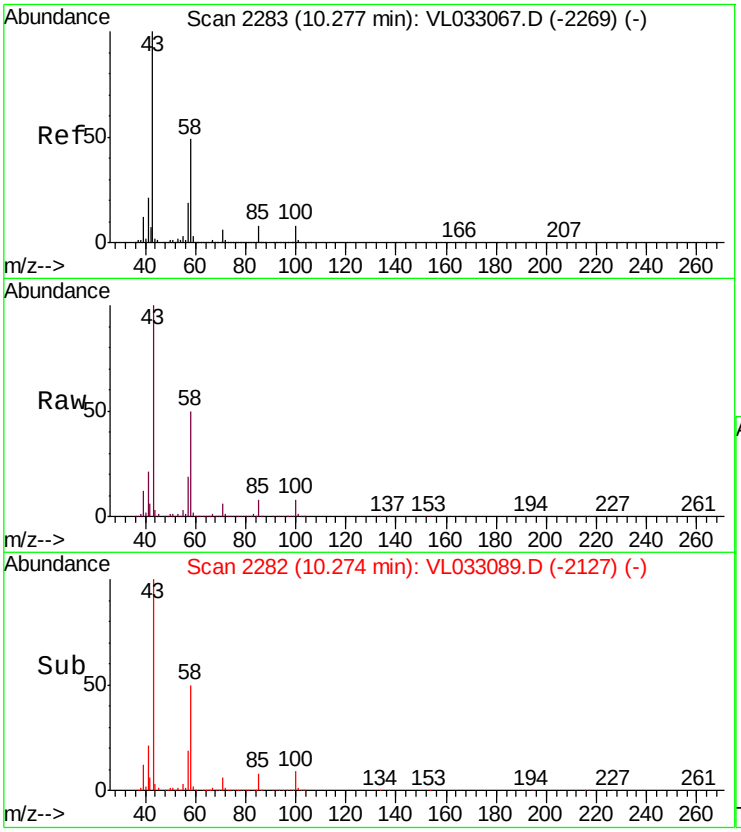


#50
4-Methyl-2-Pentanone
Concen: 10.161 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 43 Resp: 2148358

Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.9	43.3



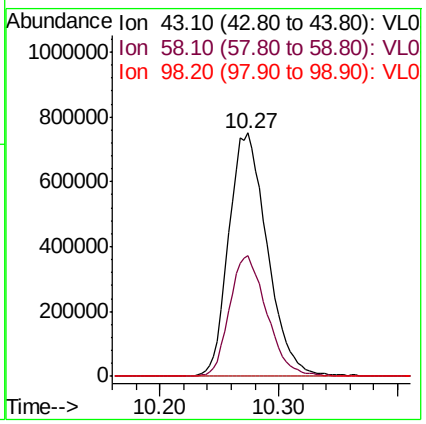


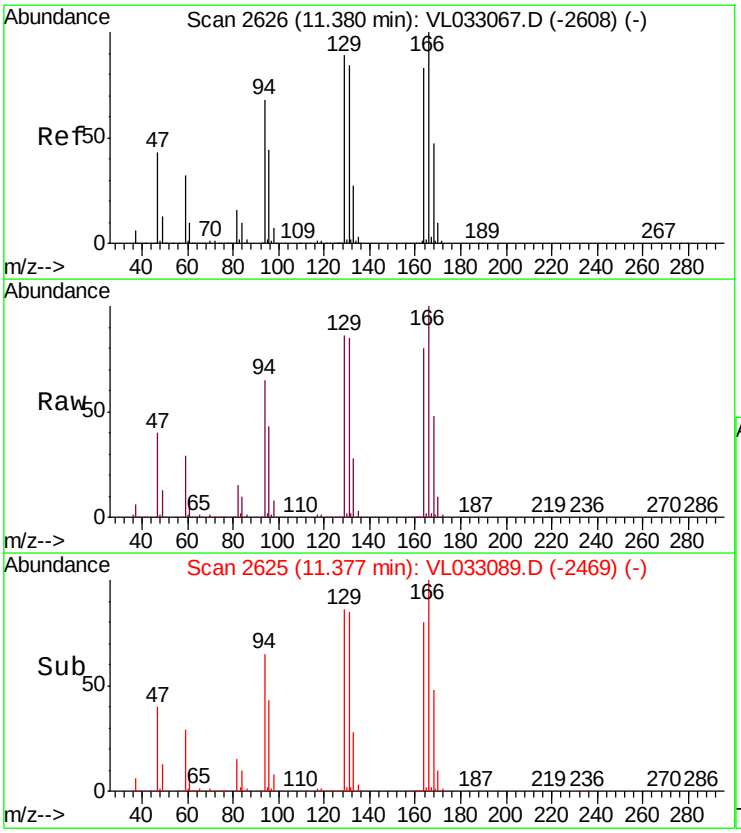
#51
2-Hexanone
Concen: 10.937 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 43 Resp: 1673179

Ion	Ratio	Lower	Upper
43	100		
58	48.3	39.0	58.6
98	0.5	0.4	0.6

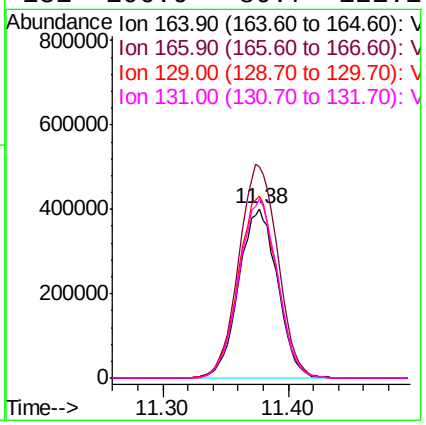


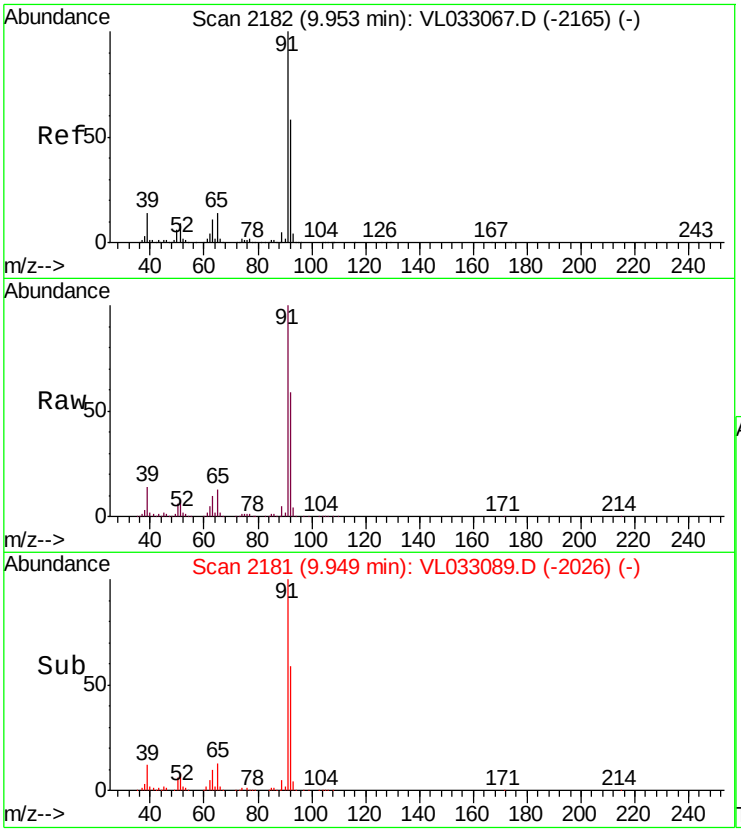


#52
Tetrachloroethene
Concen: 10.315 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:164 Resp: 857683

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.8	151.2
129	107.8	84.6	126.8
131	106.0	80.7	121.1



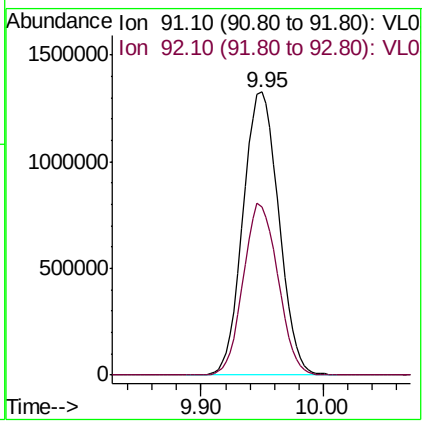


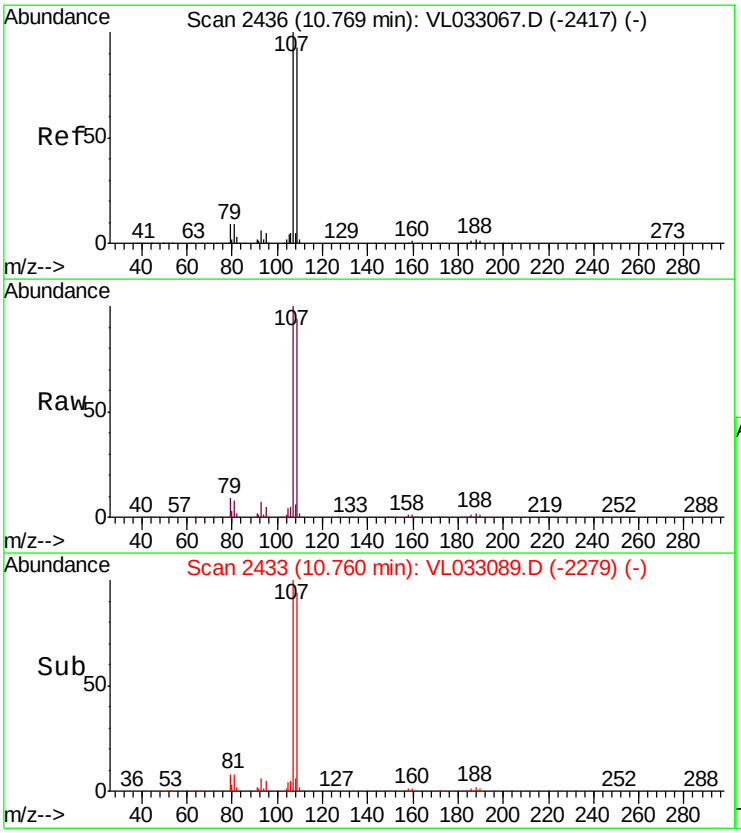
#53
Toluene
Concen: 10.638 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 91 Resp: 2681858

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.7	71.5

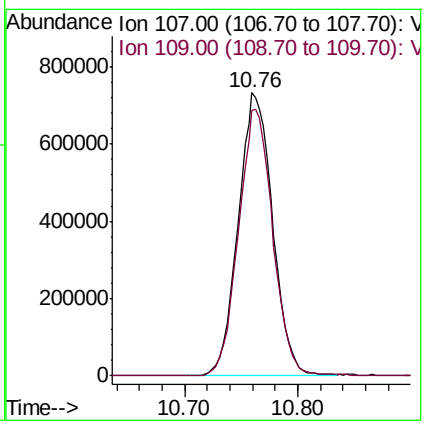


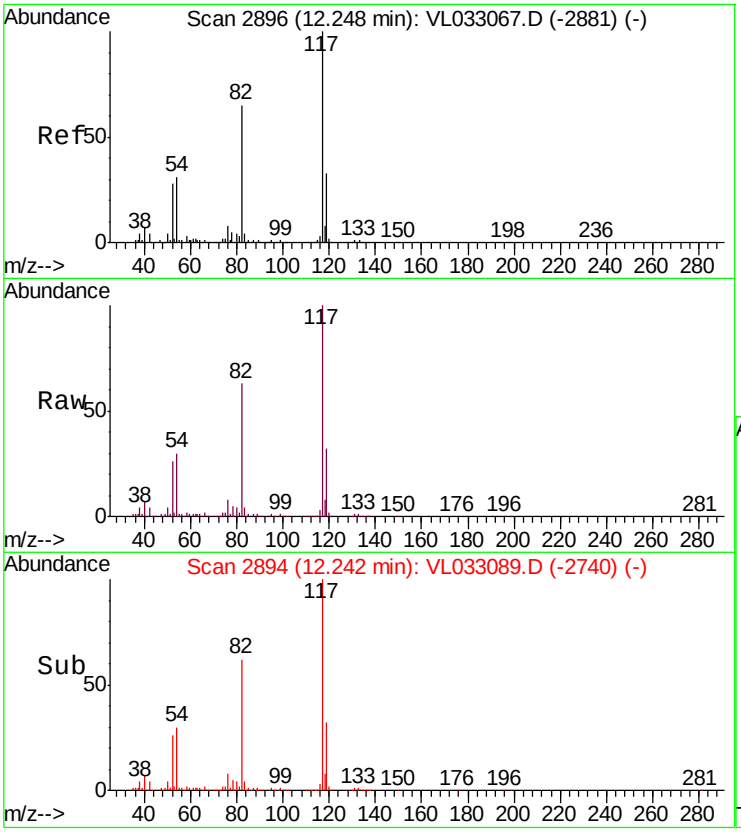


#54
1,2-Dibromoethane
Concen: 10.365 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:107 Resp: 1541811

Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.9	112.3



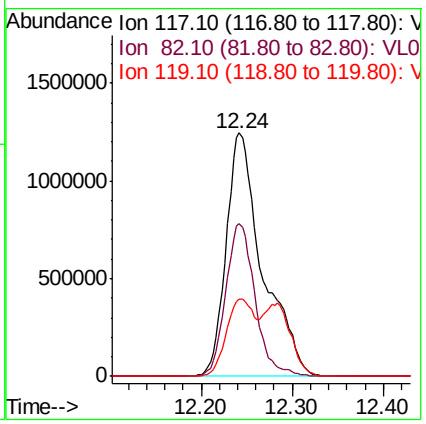


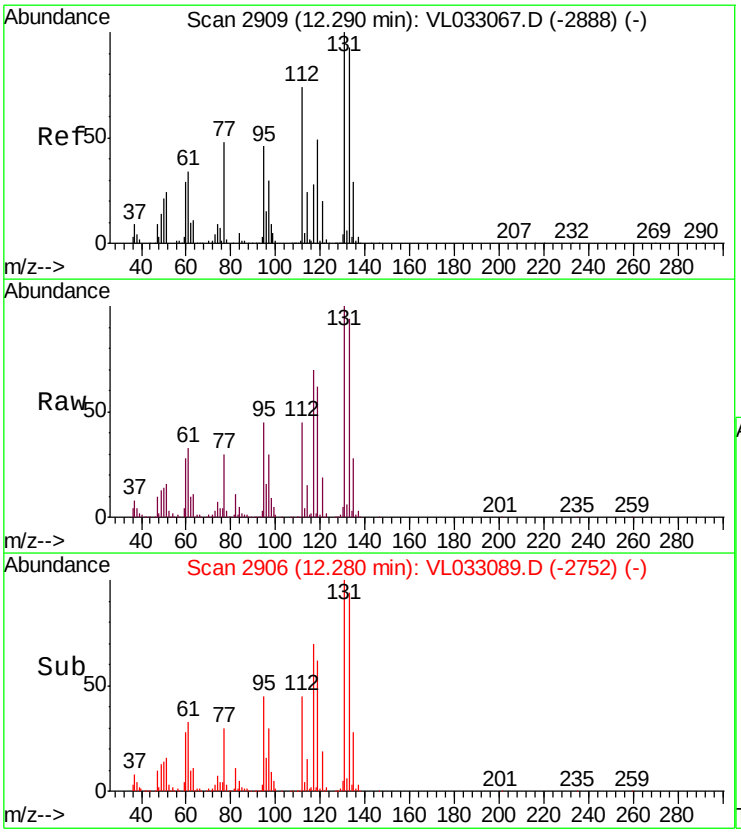
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:117 Resp: 3462813

Ion	Ratio	Lower	Upper
117	100		
82	50.9	48.9	73.3
119	25.8	24.6	37.0

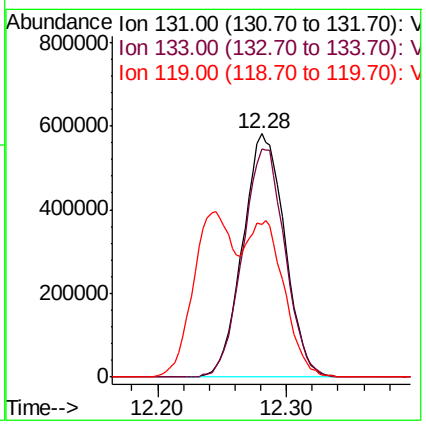


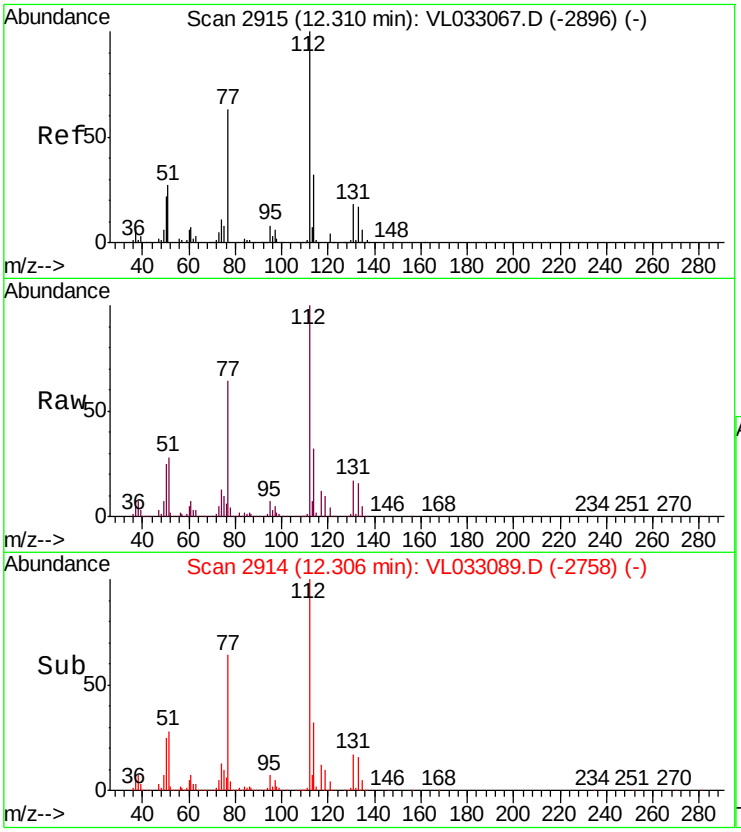


#56
1,1,1,2-Tetrachloroethane
Concen: 7.359 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:131 Resp: 1316628

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.0	114.0
119	57.7	44.2	66.2



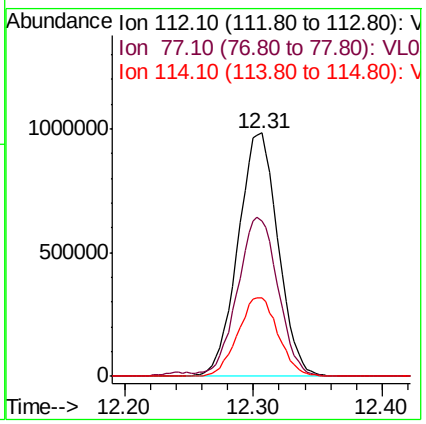


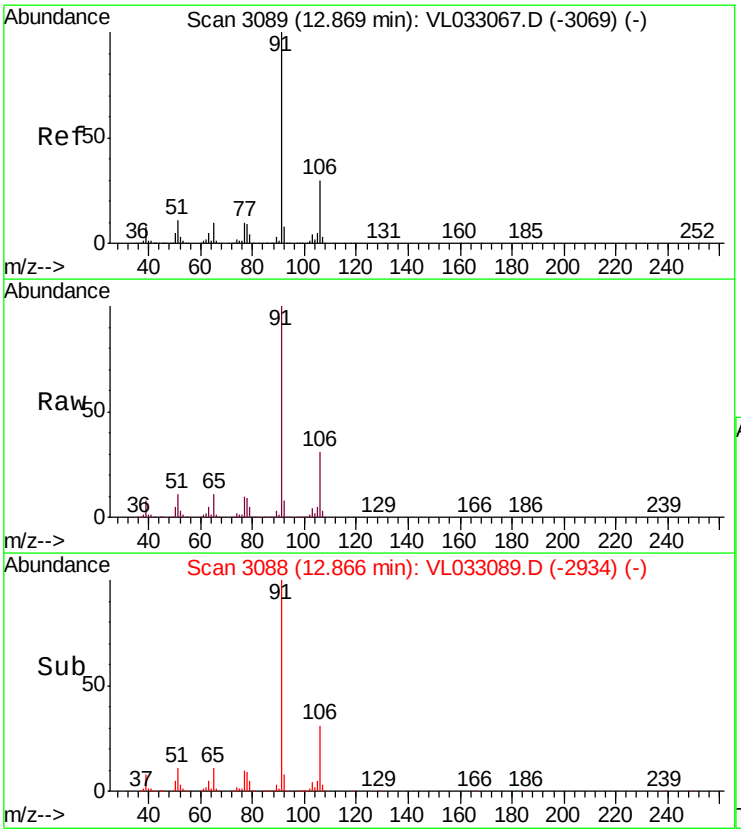
#57
Chlorobenzene
Concen: 7.345 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:112 Resp: 2123078

Ion	Ratio	Lower	Upper
112	100		
77	63.8	53.4	80.0
114	32.4	30.0	36.6

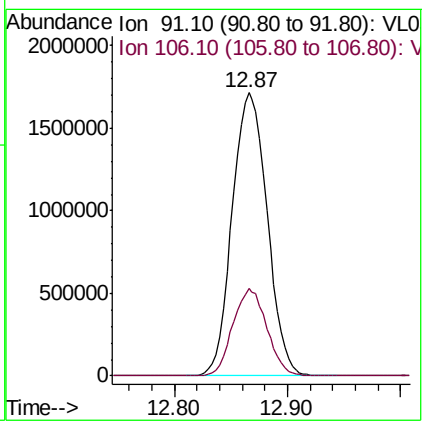


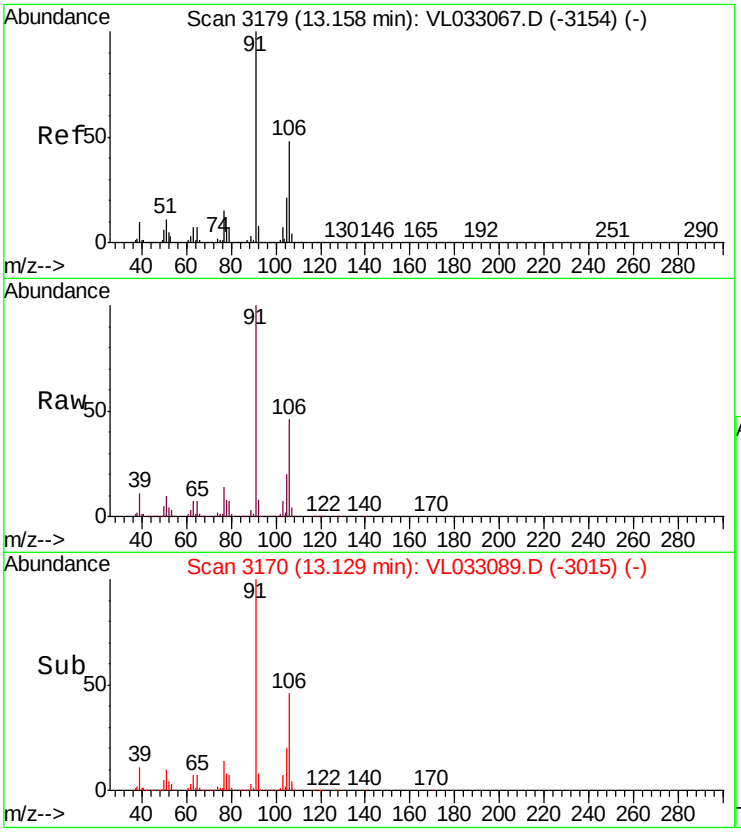


#58
Ethyl Benzene
Concen: 8.443 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 91 Resp: 3691410

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5



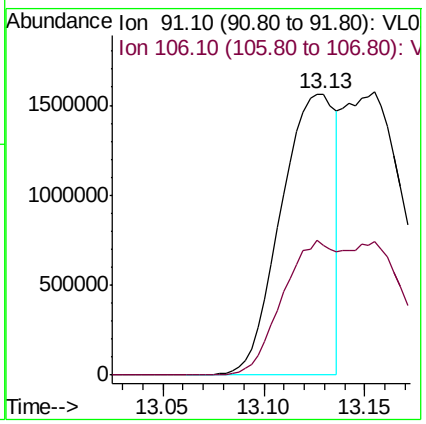


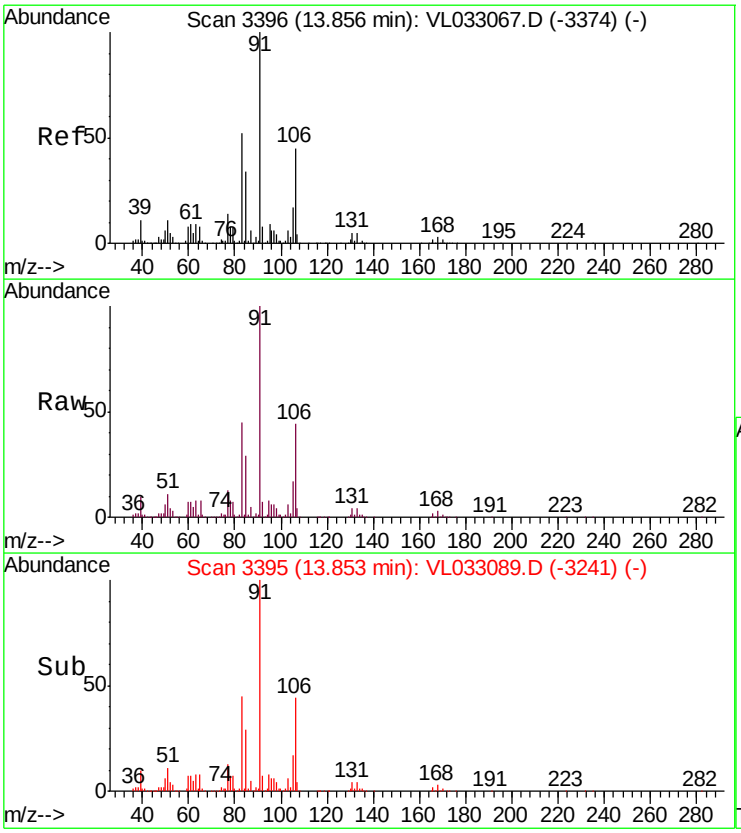
#59
m/p-Xylene
Concen: 7.189 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 91 Resp: 2907411

Ion	Ratio	Lower	Upper
91	100		
106	99.2	0.0	0.0#

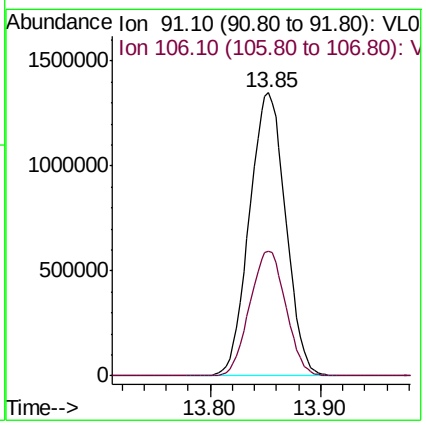


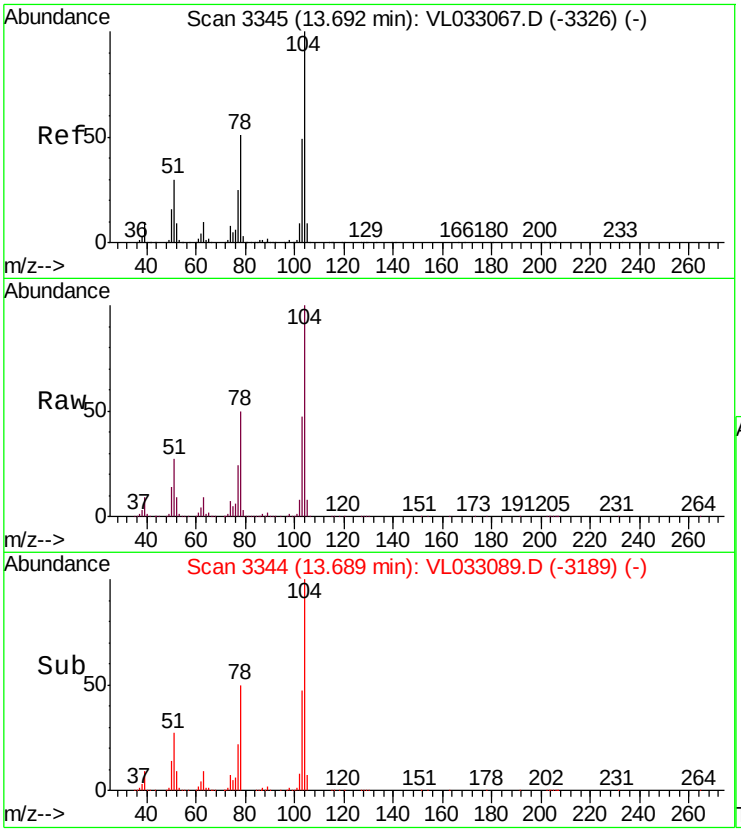


#60
o-Xylene
Concen: 7.741 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 91 Resp: 3064963

Ion	Ratio	Lower	Upper
91	100		
106	44.0	22.1	66.5



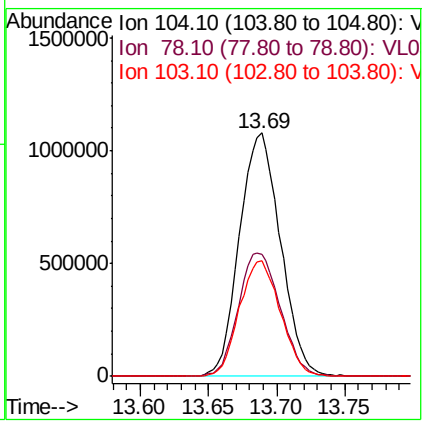


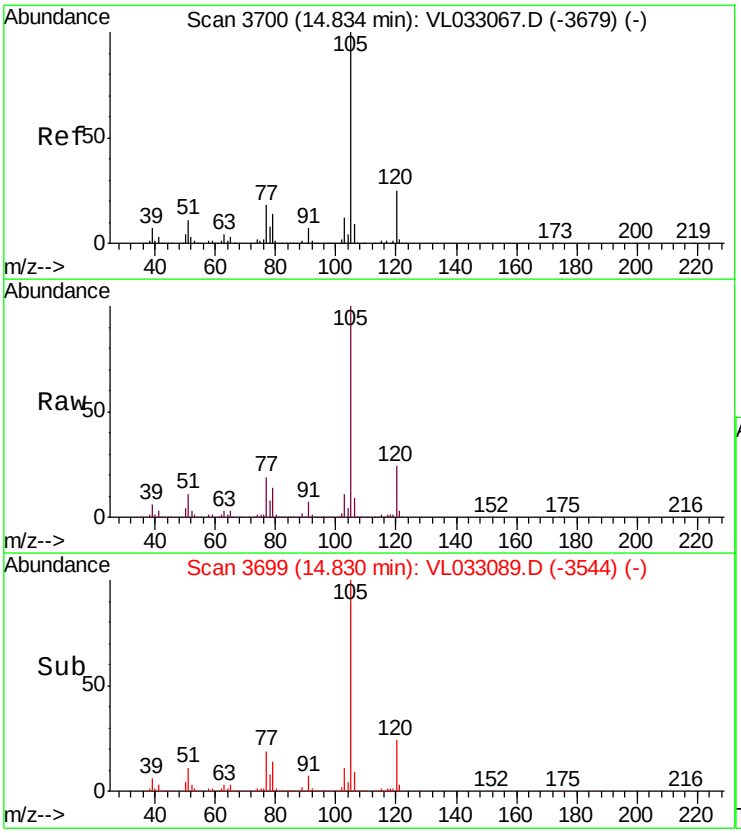
#61
Styrene
Concen: 8.909 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:104 Resp: 2250847

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.6	62.4
103	47.8	38.1	57.1

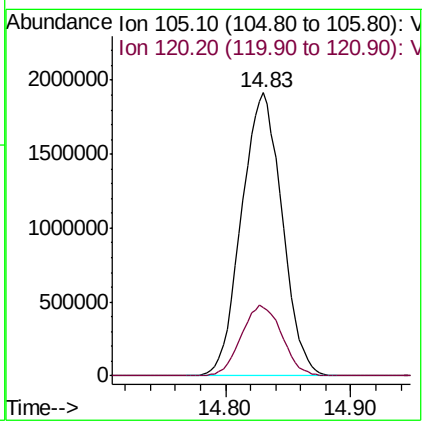


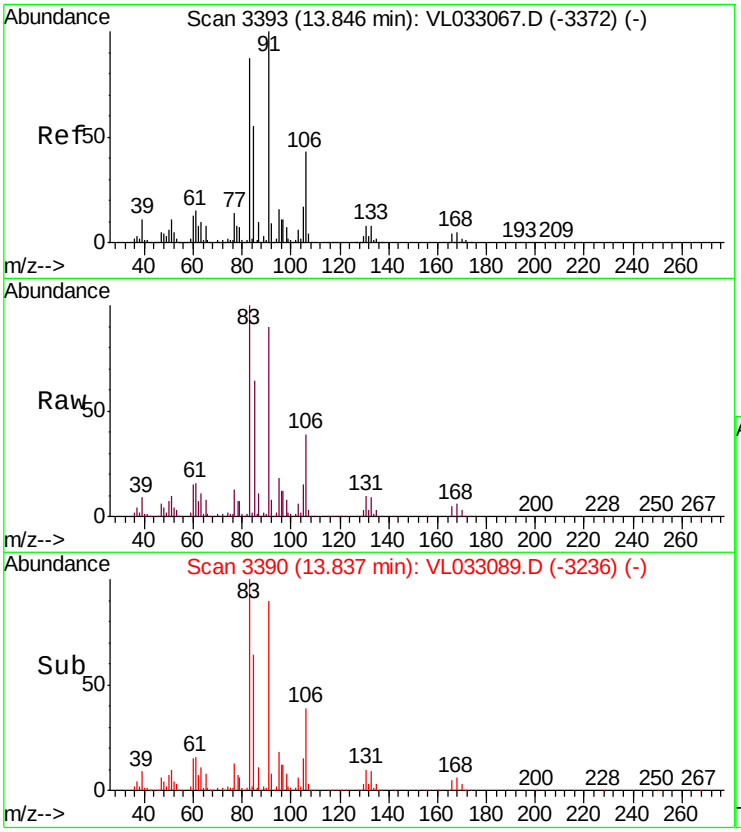


#62
Isopropylbenzene
Concen: 7.641 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:105 Resp: 4305333

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.4	30.6



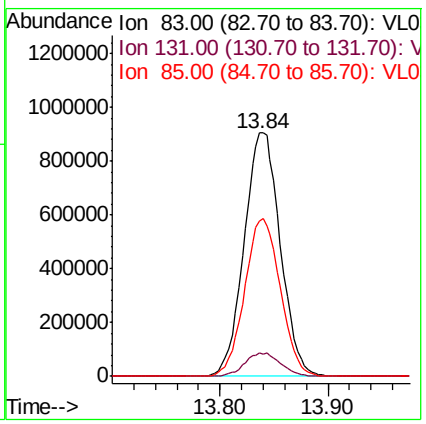


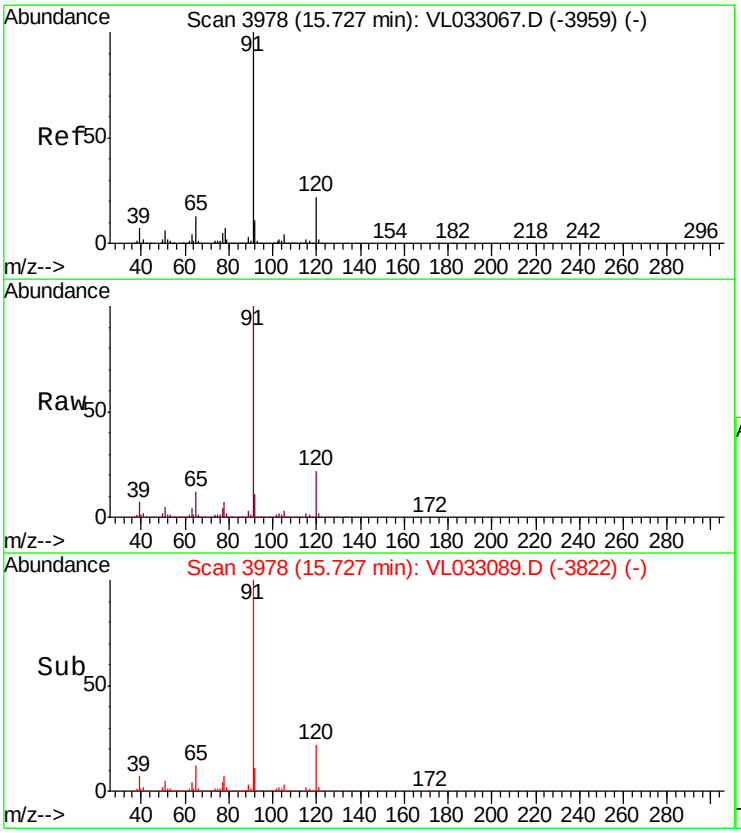
#63
1,1,2,2-Tetrachloroethane
Concen: 7.158 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 83 Resp: 2105336

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.6	97.8

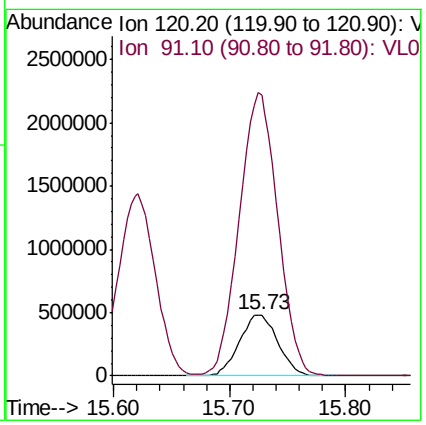


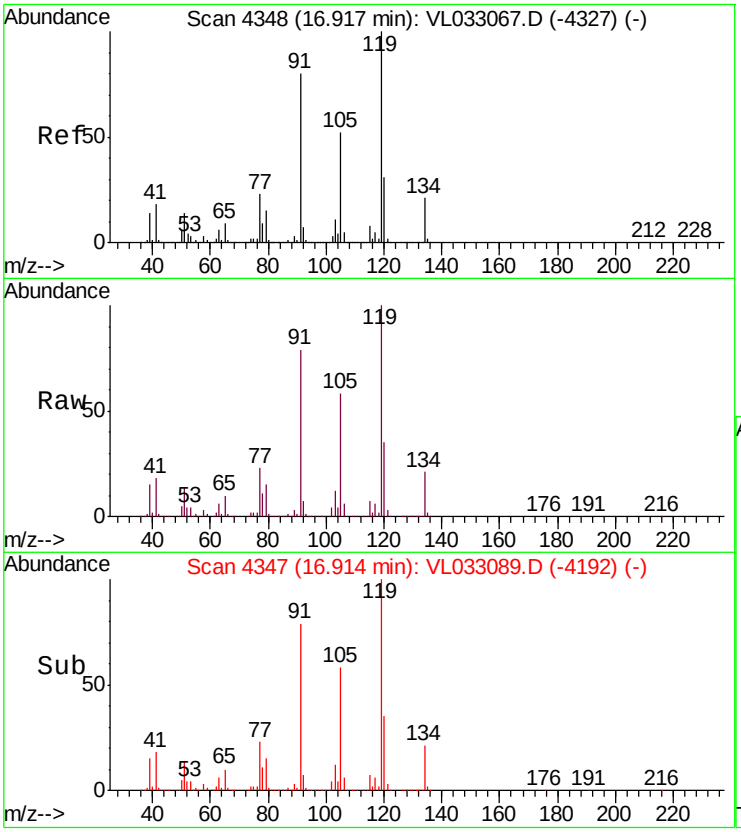


#64
n-propylbenzene
Concen: 7.731 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:120 Resp: 1106634

Ion	Ratio	Lower	Upper
120	100		
91	468.7	378.7	568.1



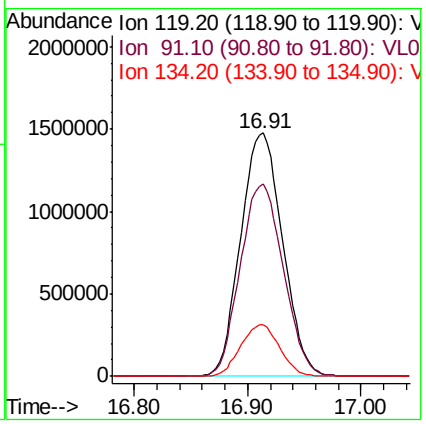


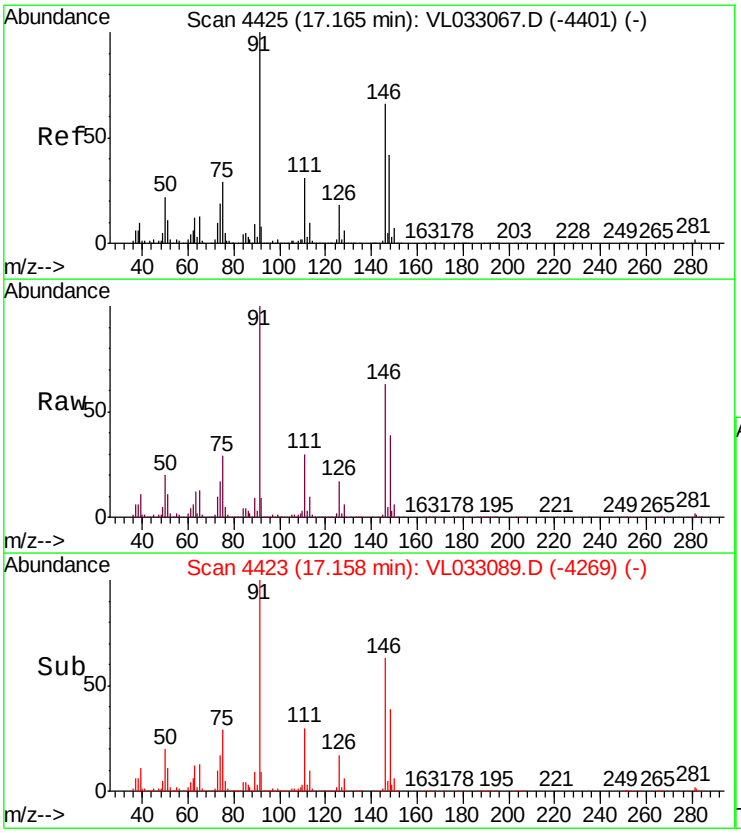
#65
tert-Butylbenzene
Concen: 7.634 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:119 Resp: 3810278

Ion	Ratio	Lower	Upper
119	100		
91	81.3	64.6	97.0
134	19.8	15.8	23.8

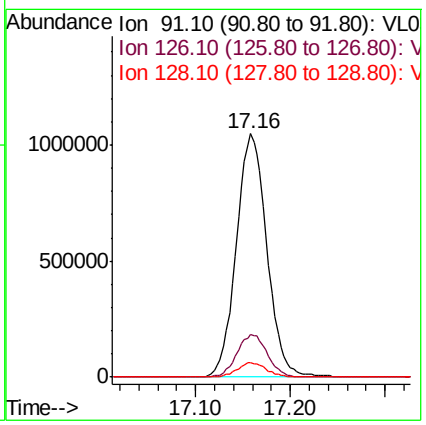


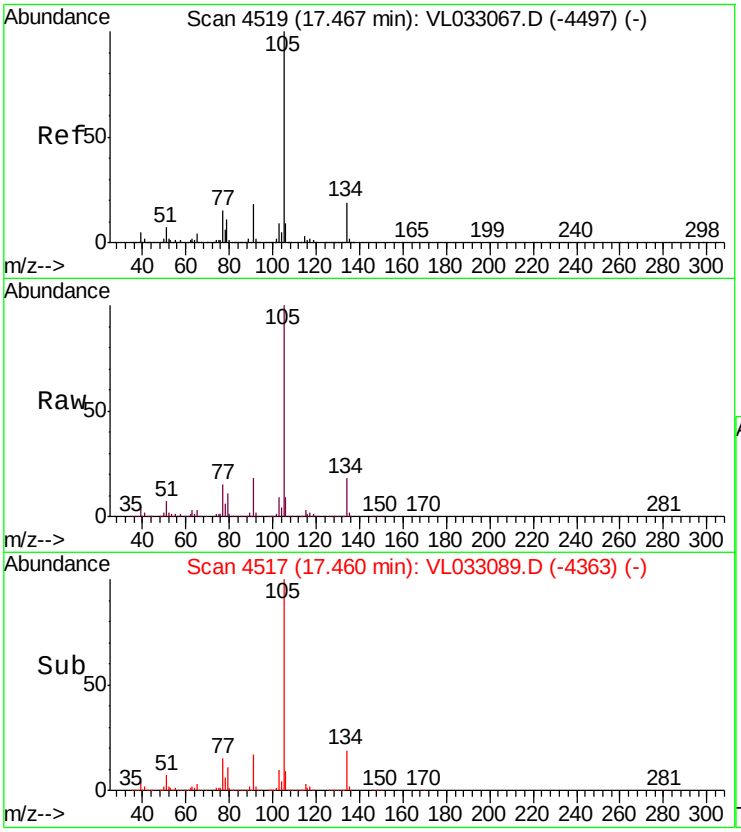


#66
Benzyl Chloride
Concen: 8.247 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 91 Resp: 2345984

Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.4	21.6
128	5.7	4.5	6.7



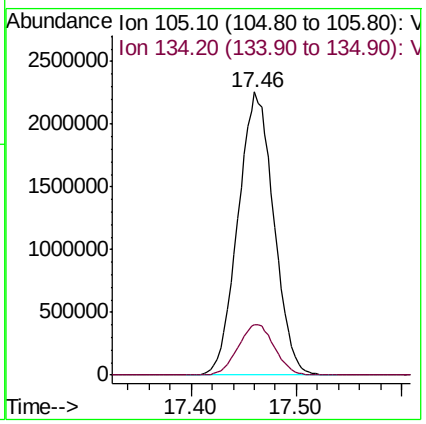


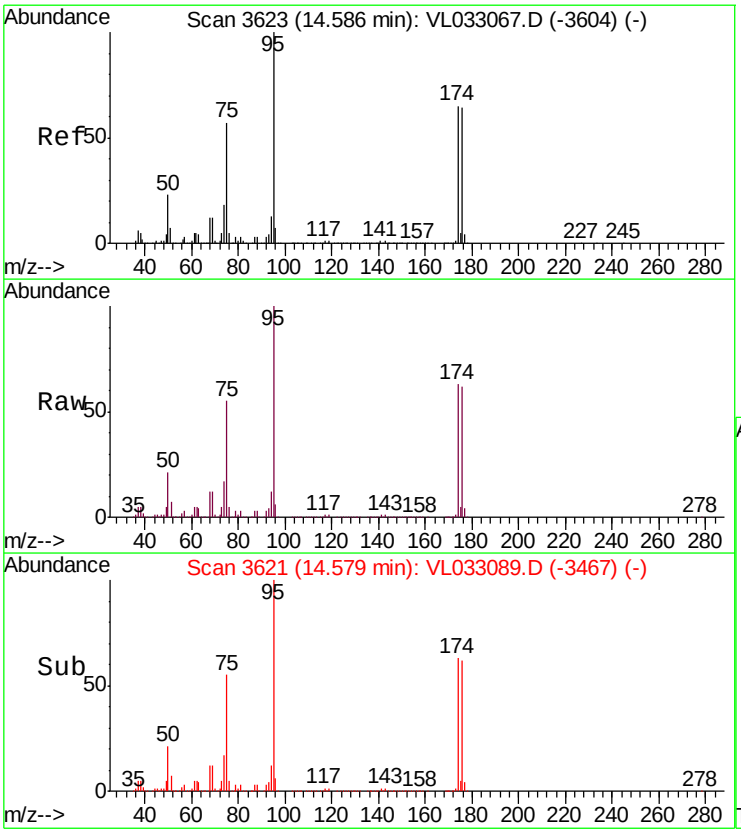
#67
sec-Butylbenzene
Concen: 7.457 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:105 Resp: 5326522

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	21.8

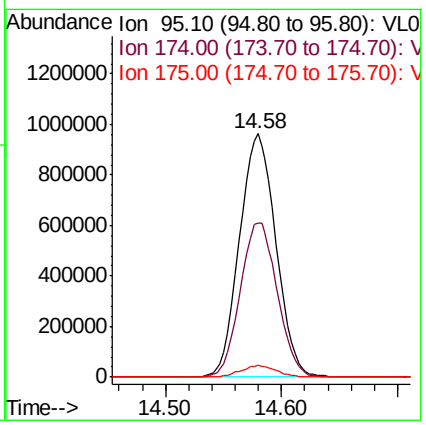


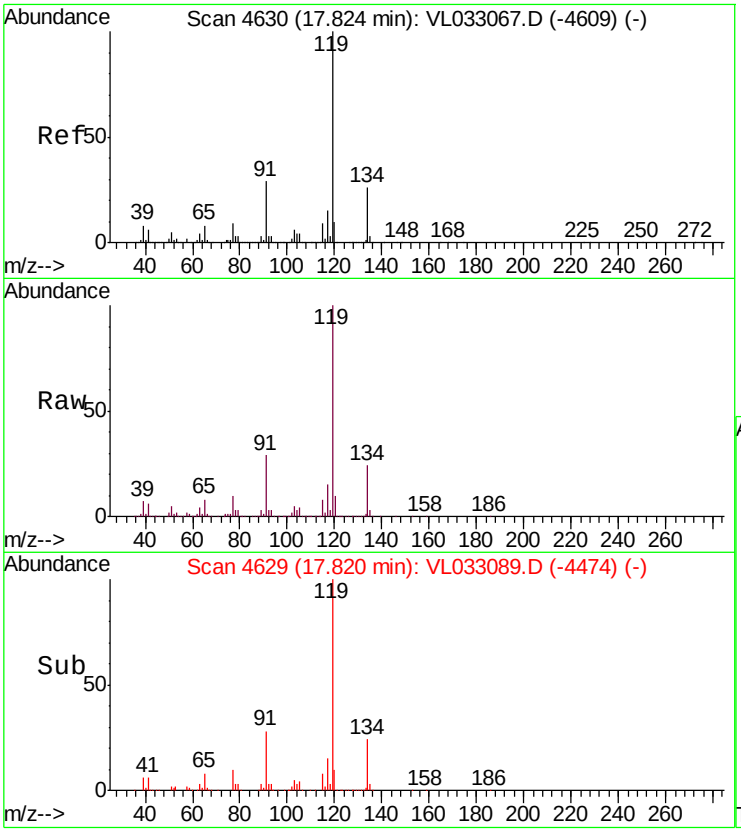


#68
1-Bromo-4-Fluorobenzene
Concen: 7.925 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 95 Resp: 2103598

Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.9	77.9
175	4.7	3.9	5.9



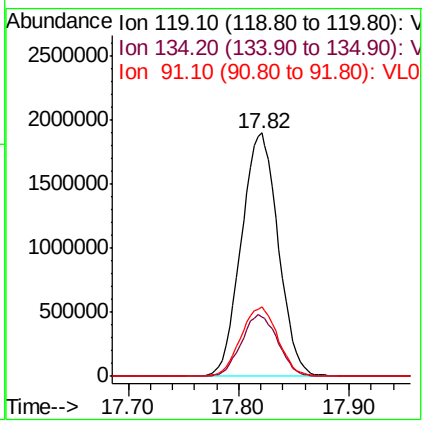


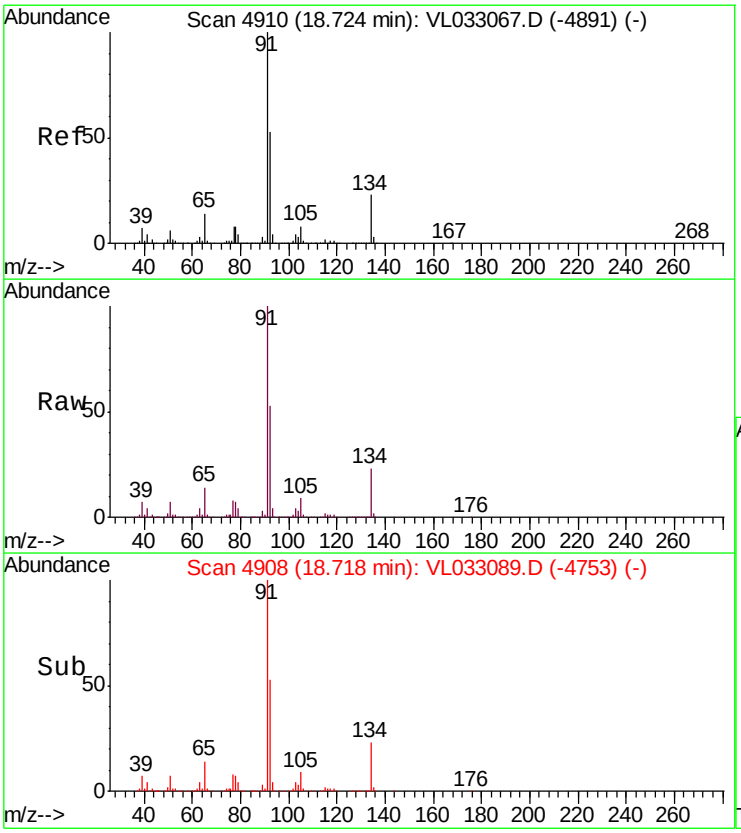
#69
p-Isopropyltoluene
Concen: 7.601 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:119 Resp: 4406712

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.1	30.1
91	28.8	23.0	34.4

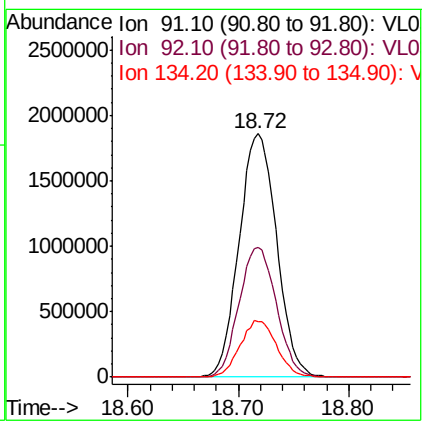


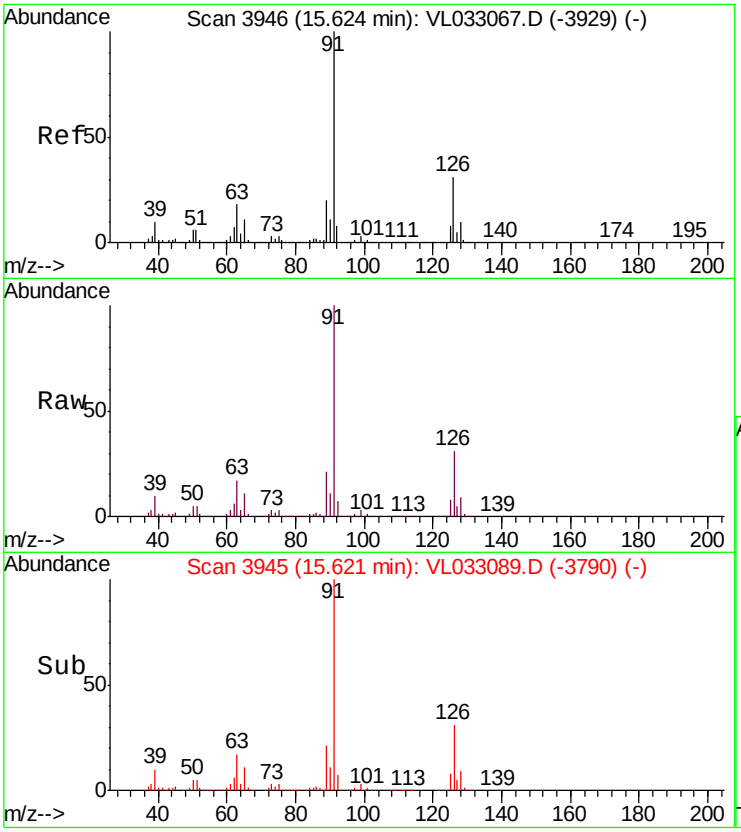


#70
n-Butylbenzene
Concen: 7.534 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion: 91 Resp: 4390911

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.4	63.6
134	22.7	18.0	27.0



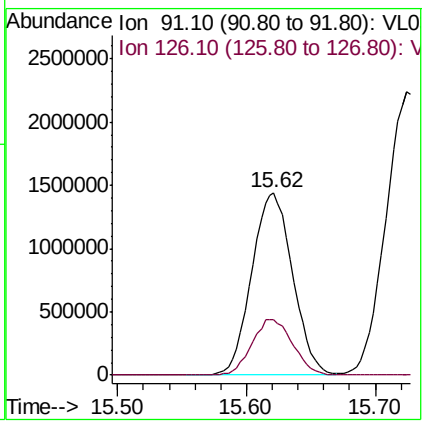


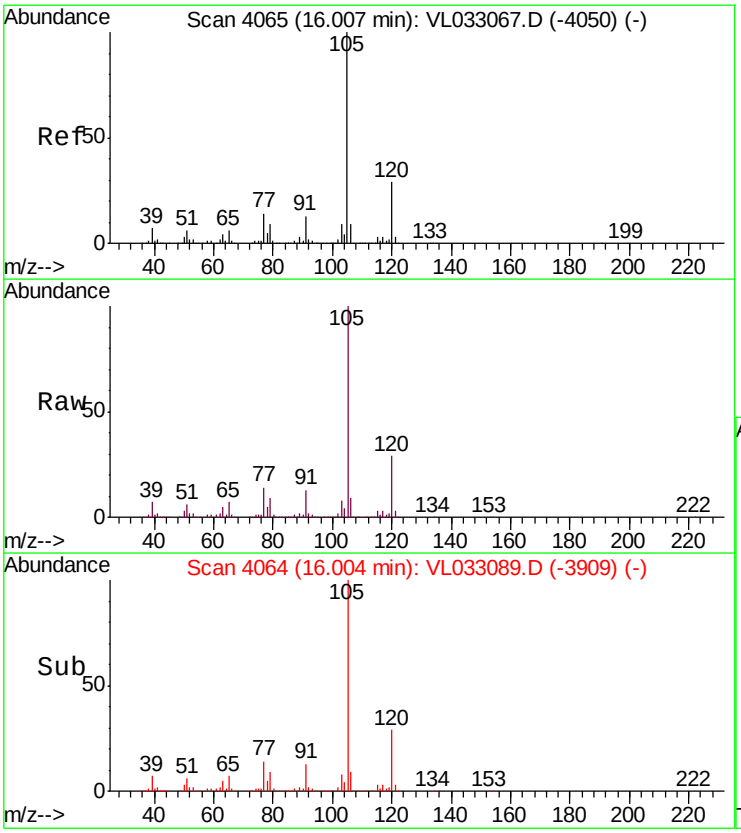
#71
2-Chlorotoluene
Concen: 7.962 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion: 91 Resp: 3181636

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.4	49.6

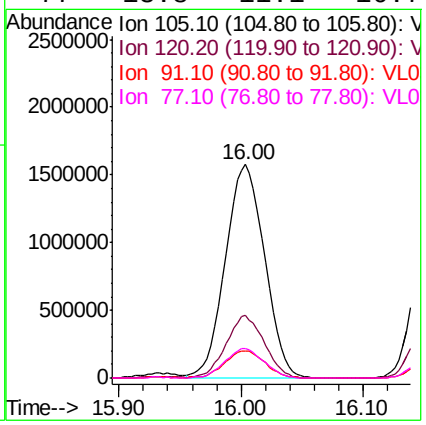


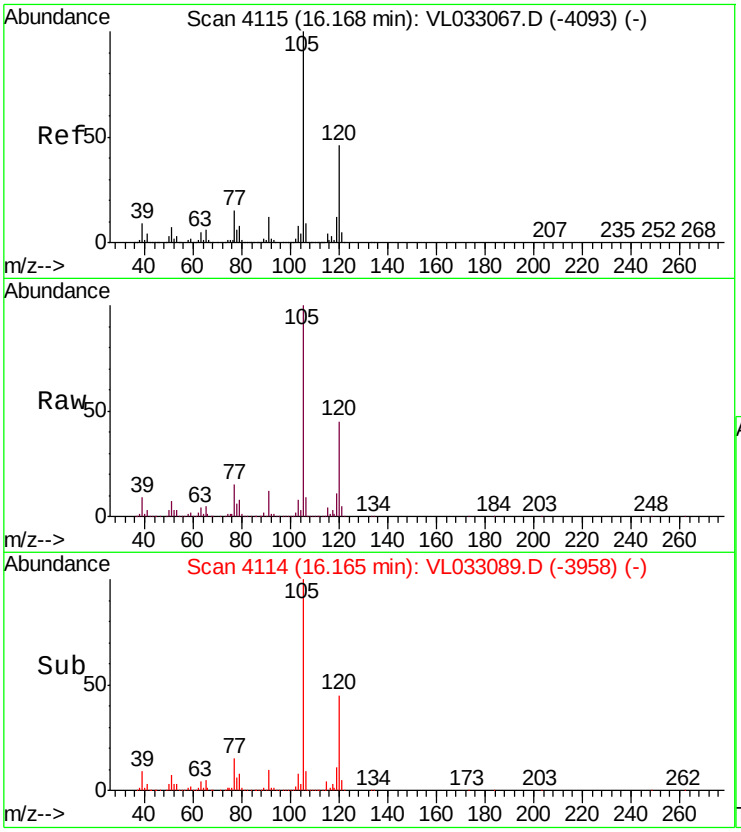


#72
4-Ethyltoluene
Concen: 8.079 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:105 Resp: 3515557

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.0	34.6
91	13.0	10.3	15.5
77	13.8	11.1	16.7



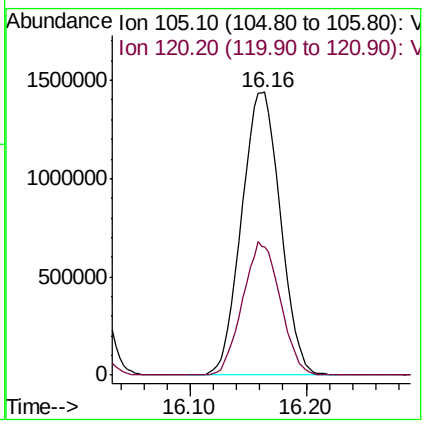


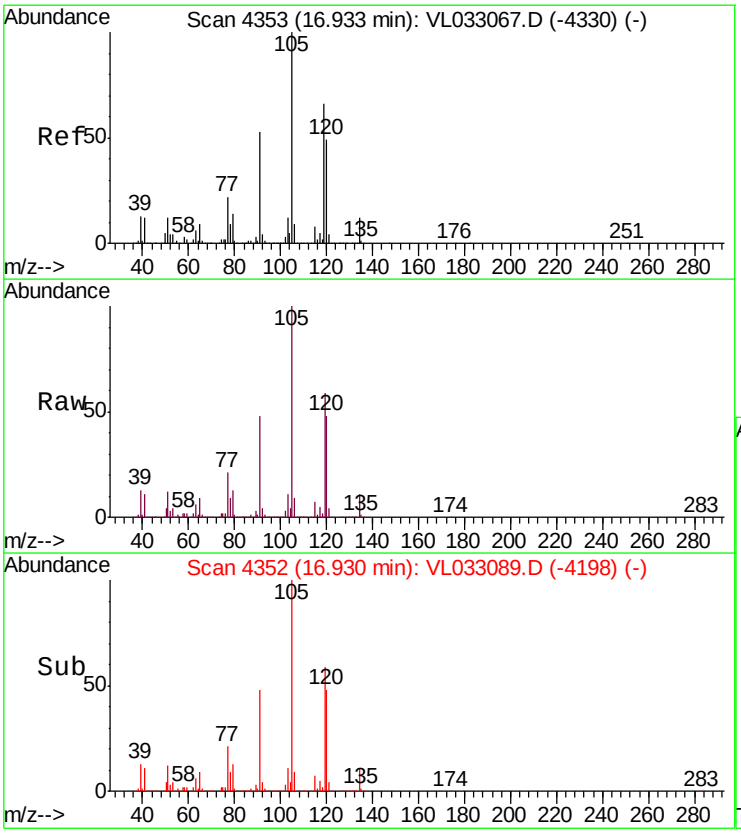
#73
1,3,5-Trimethylbenzene
Concen: 7.783 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:105 Resp: 3341387

Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.1	54.1

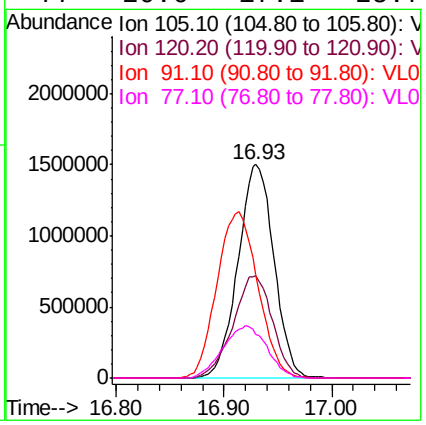


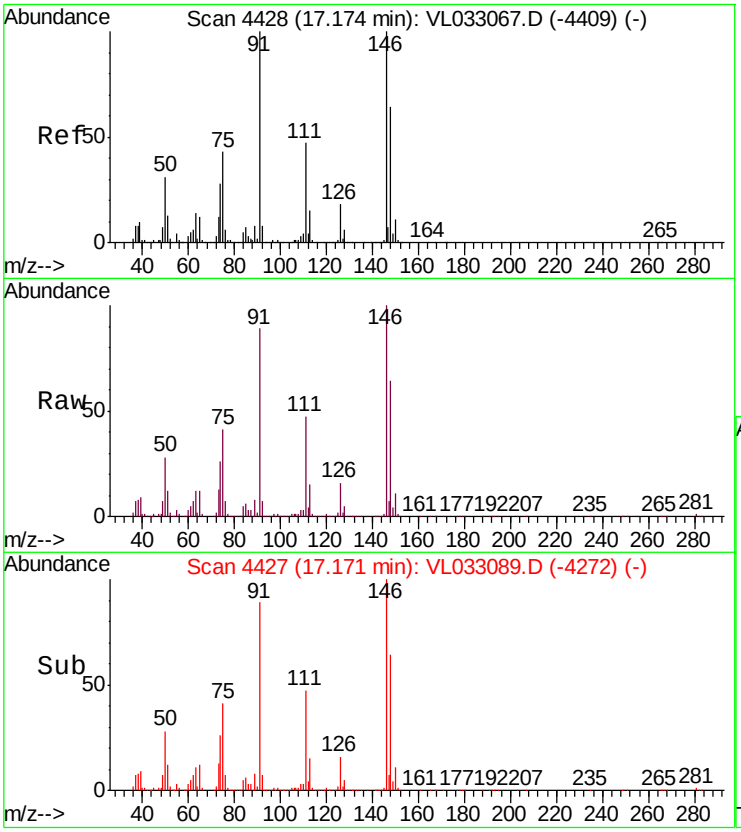


#74
1,2,4-Trimethylbenzene
Concen: 7.329 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:105 Resp: 3484927

Ion	Ratio	Lower	Upper
105	100		
120	47.6	37.0	55.4
91	48.3	35.4	53.0
77	20.6	17.1	25.7



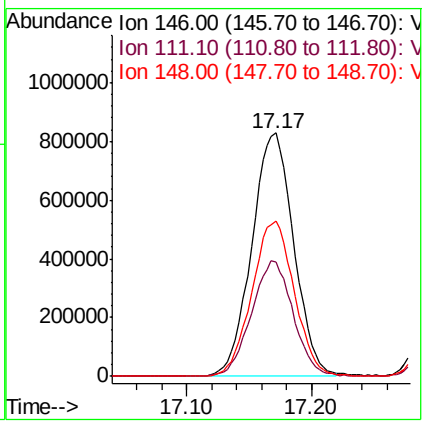


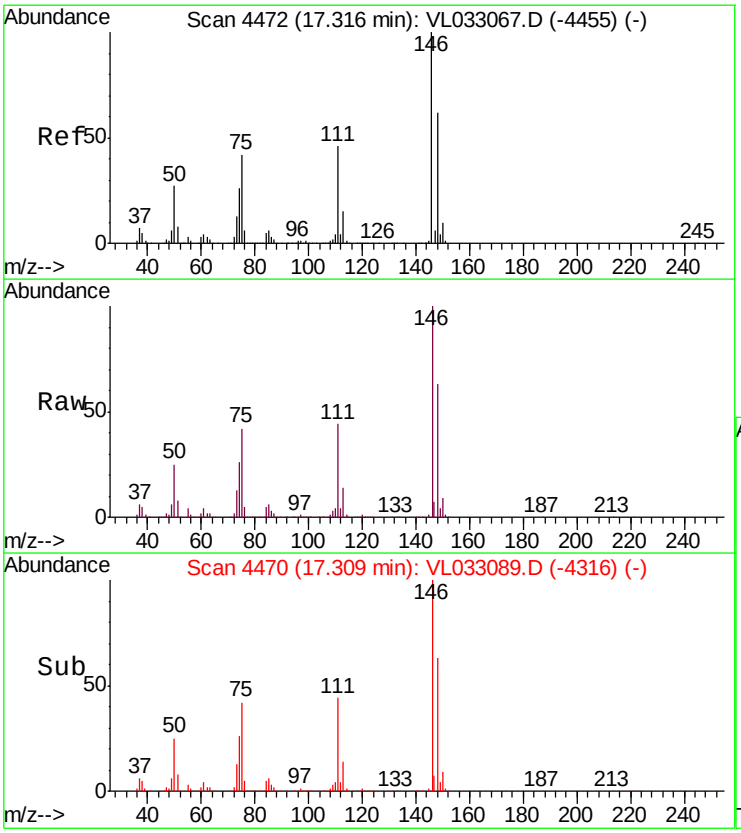
#75
1,3-Dichlorobenzene
Concen: 6.884 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:146 Resp: 1926726

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.2
148	64.6	32.1	96.3

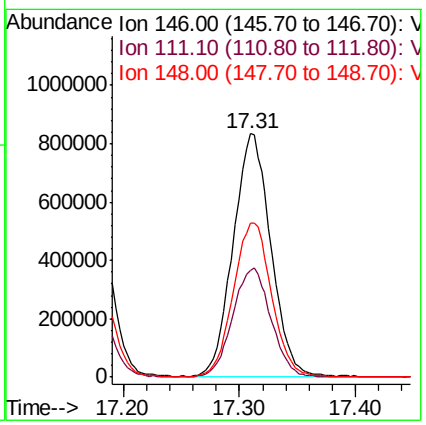


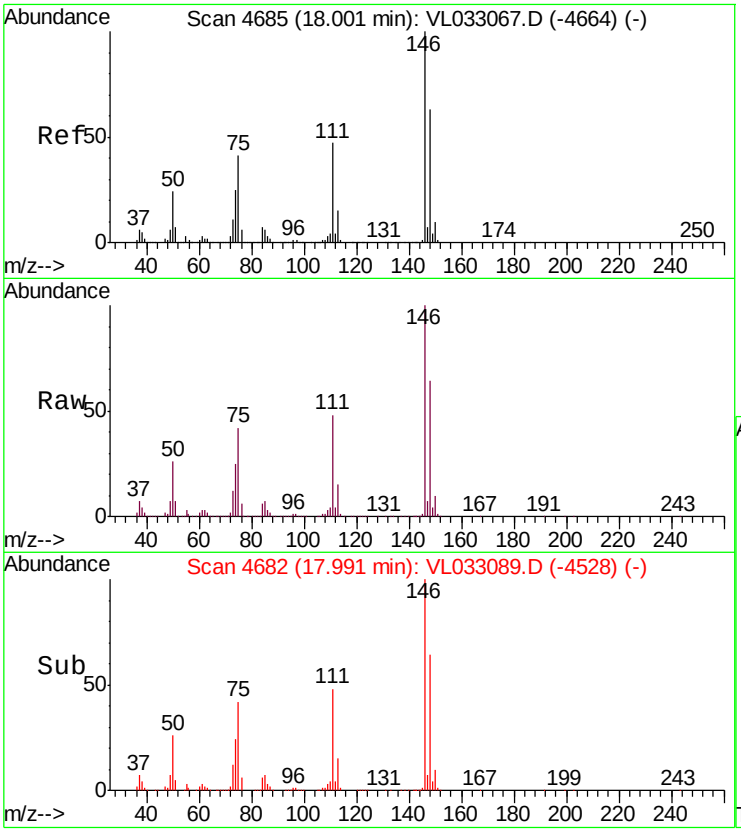


#76
1,4-Dichlorobenzene
Concen: 7.329 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:146 Resp: 1868557

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.7	68.1
148	65.2	32.4	97.2



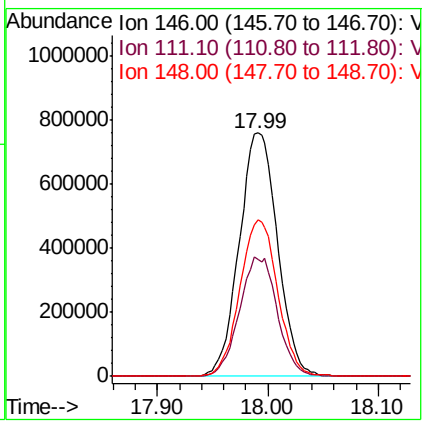


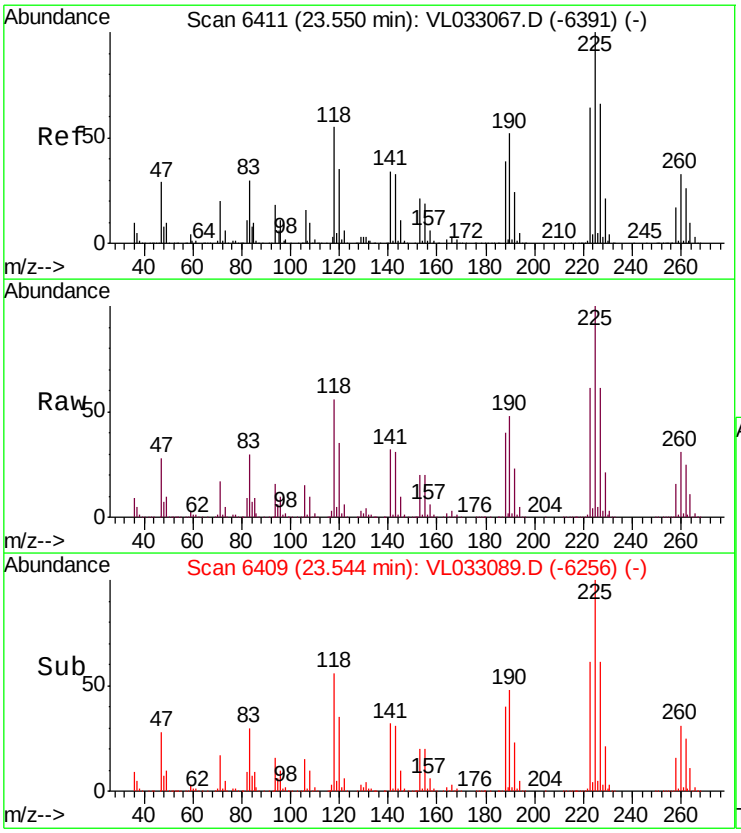
#77
1,2-Dichlorobenzene
Concen: 7.234 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument : MSVOA_L
ClientSampleId : VL0116ABS01

Tgt Ion:146 Resp: 1823433

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.2
148	63.8	32.3	96.9

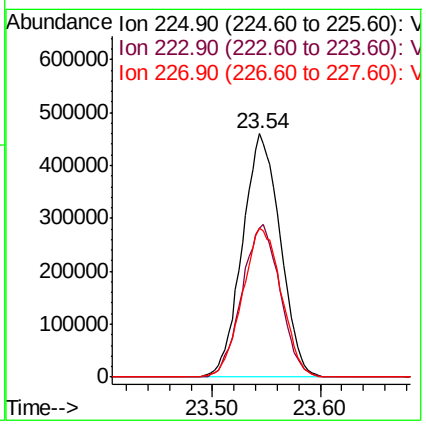


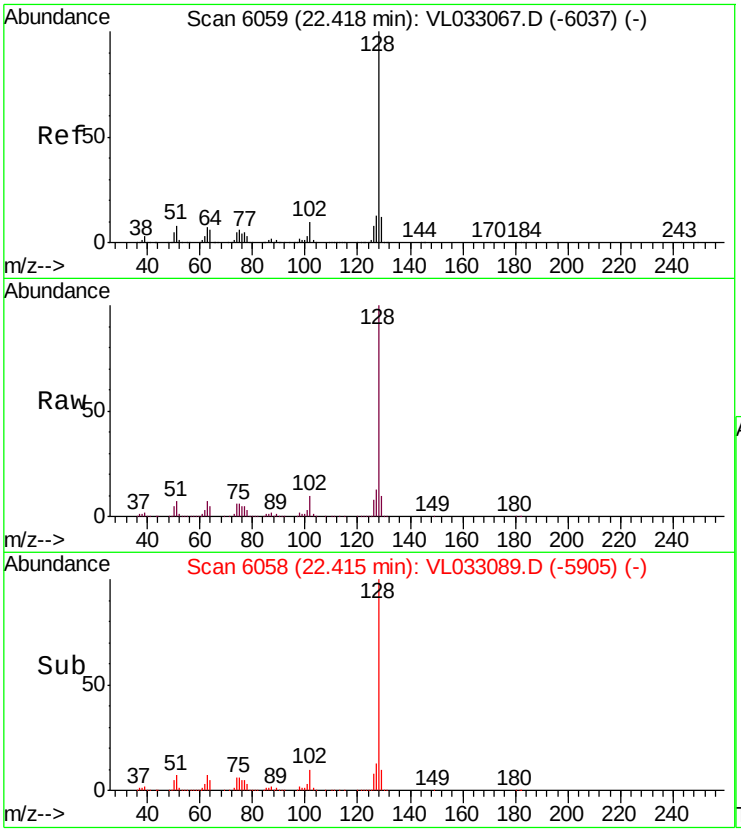


#78
Hexachloro-1,3-Butadiene
Concen: 5.804 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:225 Resp: 1123622

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.6
227	63.0	51.0	76.4



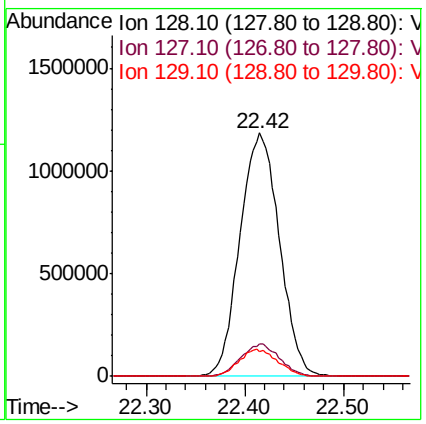


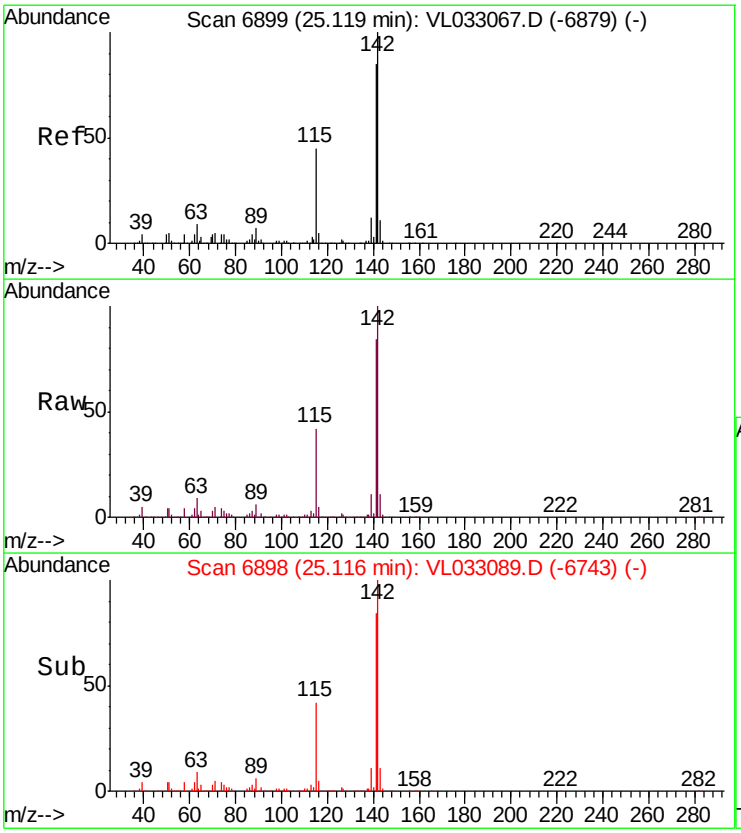
#79
Naphthalene
Concen: 8.181 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:128 Resp: 3276600

Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	10.4	9.4	14.0

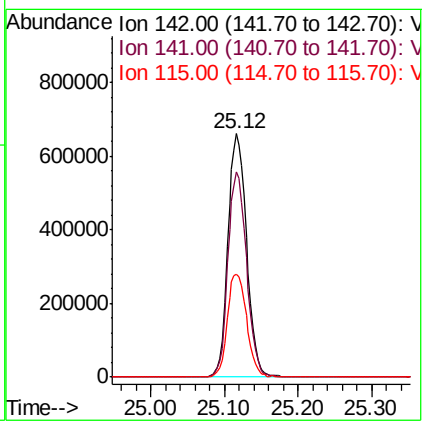


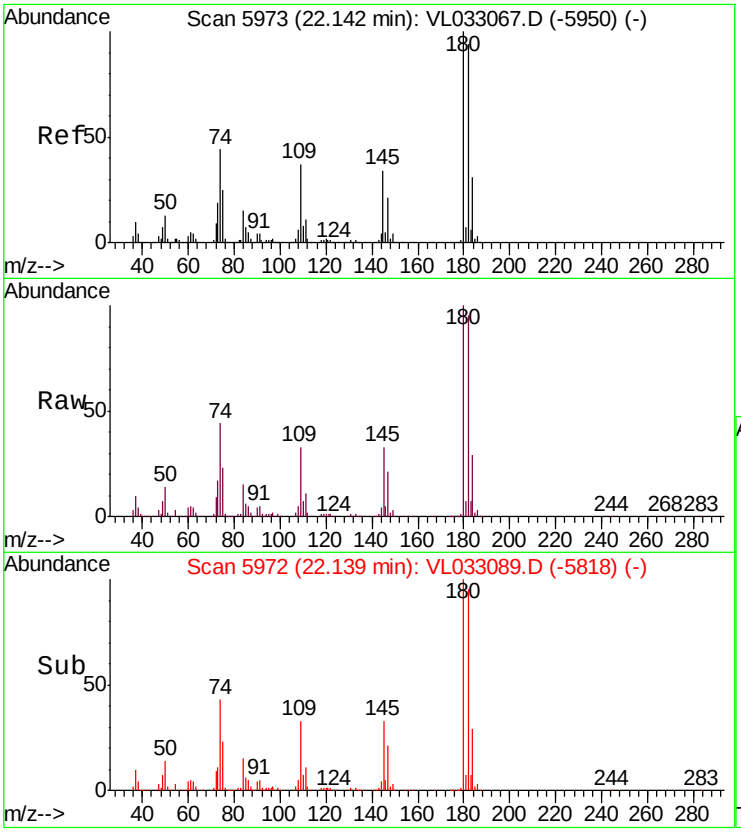


#80
Naphthalene,2-methyl-
Concen: 9.561 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Tgt Ion:142 Resp: 1162008

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	103.0
115	44.3	35.6	53.4





#81
1,2,4-Trichlorobenzene
Concen: 7.987 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033089.D
Acq: 16 Jan 2019 11:49

Instrument :
MSVOA_L
ClientSampleId :
VL0116ABS01

Tgt Ion:180 Resp: 1545345

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.2	24.6	37.0