Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033270.D
Acq On : 9 Mar 2019 00:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 09 03:46:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	907801	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2068436	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3053940	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1964984	8.02	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1633452	9.518	ppbv	99
3) Chlorodifluoromethane	3.02	51	991123	9.627	ppbv	99
4) Chloromethane	3.17	50	522006	9.731	ppbv	99
5) Vinyl Chloride	3.29	62	511898	9.517	ppbv	95
6) Bromomethane	3.52	94	323754	9.787	ppbv	98
7) Chloroethane	3.60	64	197684	10.165	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1256473	9.367	ppbv	100
9) Propene	3.04	41	435379	9.585	ppbv	99
10) Heptane	8.25	43	1165564	9.396	ppbv	99
11) Trichlorofluoromethane	4.01	101	1509371	10.069	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	990858	10.059	ppbv	99
13) Ethanol	3.65	45	85396	6.496	ppbv	97
14) Bromoethene	3.79	108	404322	9.998	ppbv	99
15) Acetone	3.90	43	1042417	9.676	ppbv	100
16) 1,3-Butadiene	3.36	39	414378	9.273	ppbv	88
17) tert-Butyl alcohol	4.02	59	19841	1.129	ppbv	97
18) 1,1-Dichloroethene	4.35	96	431449	10.004	ppbv	97
19) Isopropyl Alcohol	4.02	45	561644	8.683	ppbv	99
20) Methylene Chloride	4.41	84	372395	8.422	ppbv	96
21) Allyl Chloride	4.48	41	688100	10.636	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	457938	10.353	ppbv	98
23) Vinyl Acetate	5.16	43	1667750	10.807	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1127652	9.954	ppbv	99
25) Ethyl Acetate	5.77	43	1903449	9.252	ppbv	100
26) Hexane	5.78	57	846679	8.734	ppbv	99
27) Carbon Disulfide	4.62	76	1128359	11.493	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1267486	10.177	ppbv	100
29) Chloroform	5.85	83	1404790	9.496	ppbv	100
30) Cyclohexane	7.25	84	709729	9.456	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	897983	9.779	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1385261	9.915	ppbv	99
34) 2-Butanone	5.33	43	1268291	10.143	ppbv	100
35) Carbon Tetrachloride	7.14	117	1464806	10.433	ppbv	97
36) Benzene	7.01	78	1787460	10.038	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1108708	9.669	ppbv	100
38) Trichloroethene	7.96	130	673668	9.749	ppbv	99
39) 1,2-Dichloropropane	7.74	63	684073	9.784	ppbv	99
40) 1,4-Dioxane	7.96	88	225741	8.760	ppbv	86
41) Tetrahydrofuran	6.15	42	731780	10.358	ppbv	99
42) Bromodichloromethane	7.92	83	1576740	10.096	ppbv	100
43) Methyl Methacrylate	8.14	69	734767	10.256	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033270.D
Acq On : 9 Mar 2019 00:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 09 03:46:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration

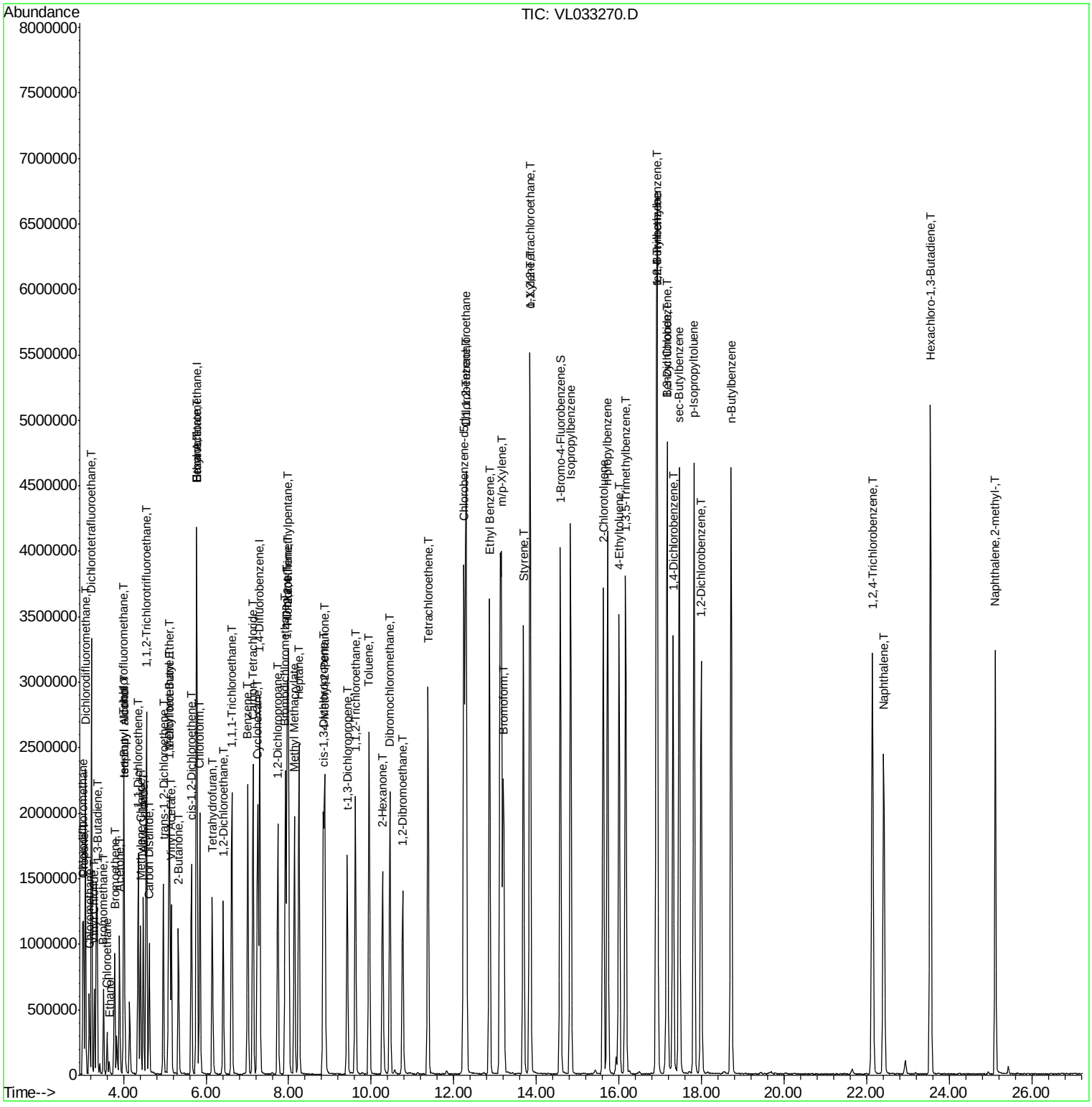
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3043568	9.618	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	996325	11.483	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1106846	10.839	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	735095	9.796	ppbv		97
48) Dibromochloromethane	10.45	129	1321452	10.742	ppbv		100
49) Bromoform	13.20	173	1310567	11.970	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	1870535	9.887	ppbv		100
51) 2-Hexanone	10.27	43	1501050	10.643	ppbv	#	100
52) Tetrachloroethene	11.37	164	738771	11.134	ppbv		98
53) Toluene	9.95	91	2121099	10.400	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1173160	9.981	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1033353	8.083	ppbv	#	63
57) Chlorobenzene	12.30	112	1755016	7.837	ppbv		97
58) Ethyl Benzene	12.87	91	3376976	8.172	ppbv		100
59) m/p-Xylene	13.15	91	2107697	5.634	ppbv	#	1
60) o-Xylene	13.85	91	2739225	7.563	ppbv		100
61) Styrene	13.69	104	2035527	8.260	ppbv		100
62) Isopropylbenzene	14.83	105	3827712	7.914	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1864365	8.002	ppbv		100
64) n-propylbenzene	15.72	120	962100	8.135	ppbv		100
65) tert-Butylbenzene	16.91	119	3302617	8.119	ppbv		100
66) Benzyl Chloride	17.16	91	1684631	11.053	ppbv		100
67) sec-Butylbenzene	17.46	105	4695733	8.119	ppbv		99
69) p-Isopropyltoluene	17.82	119	3836144	8.173	ppbv		100
70) n-Butylbenzene	18.71	91	4015164	7.892	ppbv		100
71) 2-Chlorotoluene	15.62	91	2962428	8.186	ppbv		99
72) 4-Ethyltoluene	16.00	105	3145092	8.340	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3001740	8.354	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	3036773	8.122	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1725269	7.808	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1727906	7.986	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1655561	7.783	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1324206	8.218	ppbv		100
79) Naphthalene	22.41	128	3237555	7.941	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1782645	17.867	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1539912	7.324	ppbv		100

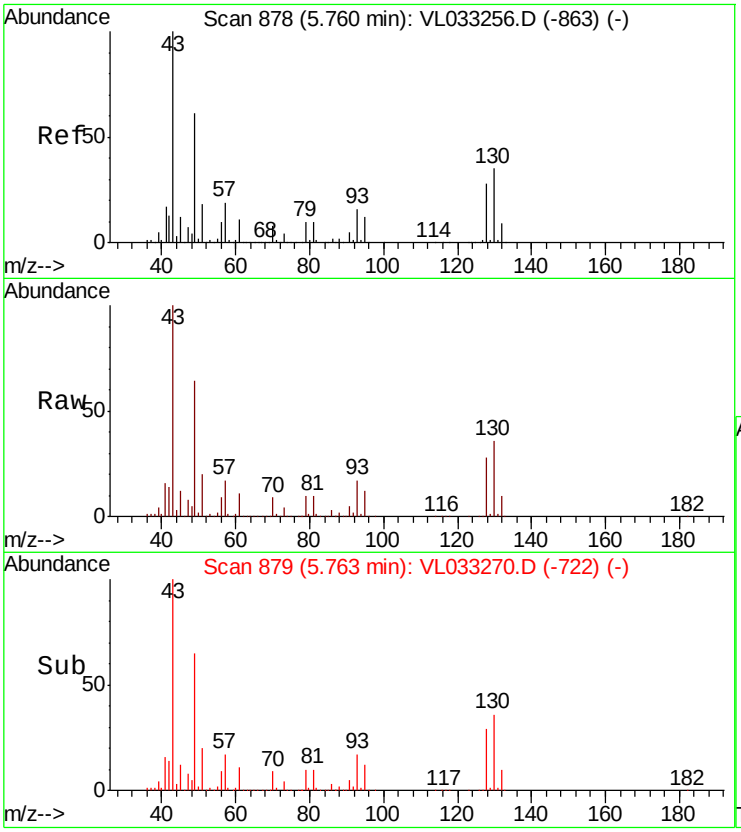
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033270.D
Acq On : 9 Mar 2019 00:02
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 09 03:46:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration



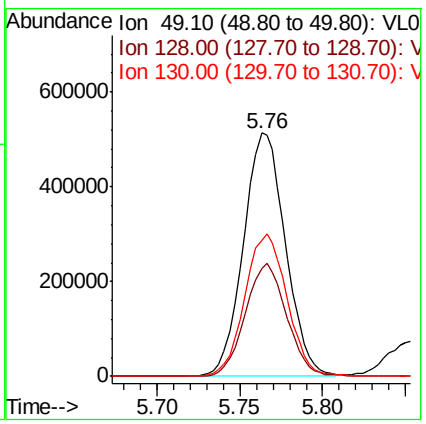


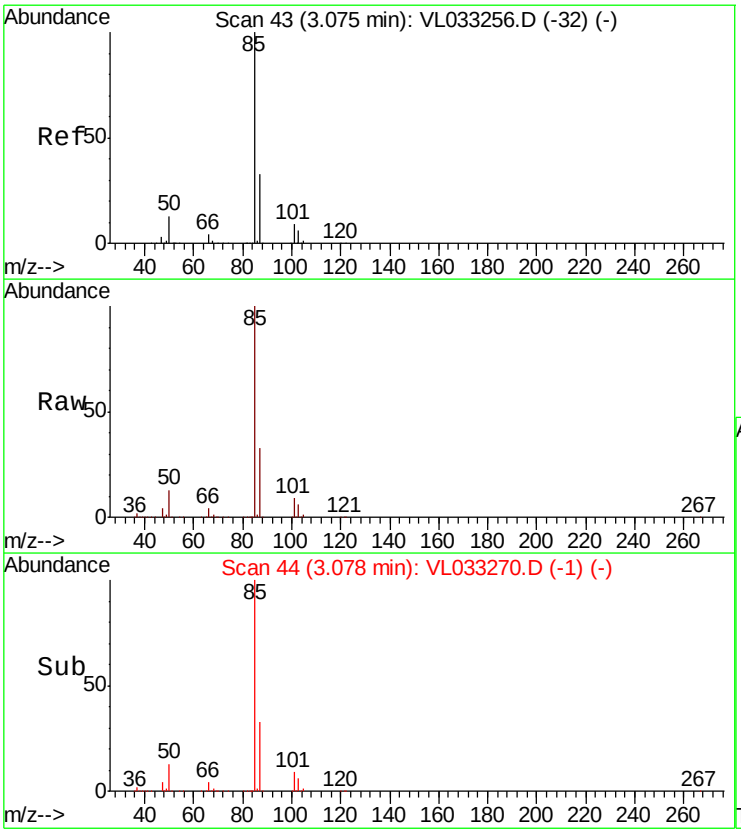
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 907801

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.5	67.5
130	59.2	29.1	87.4

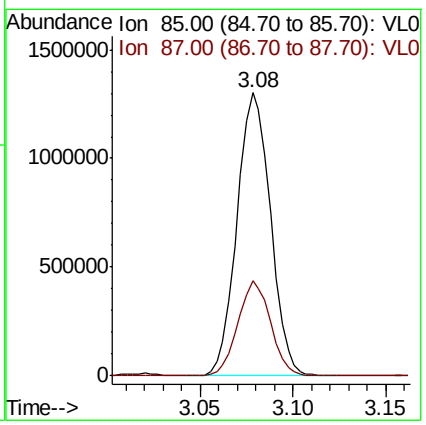


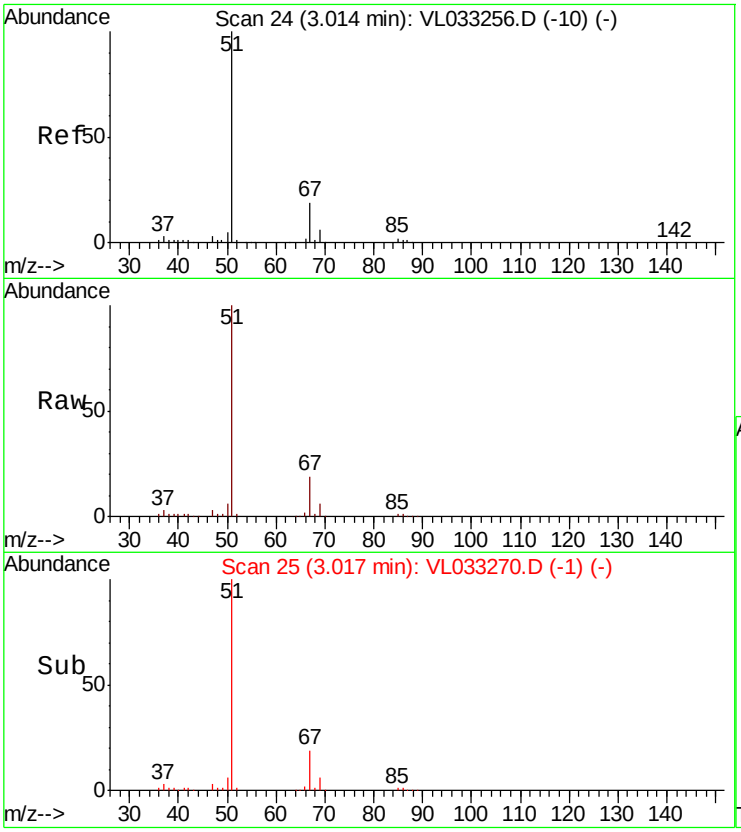


#2
Dichlorodifluoromethane
Concen: 9.518 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 85 Resp: 1633452

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.2	39.4



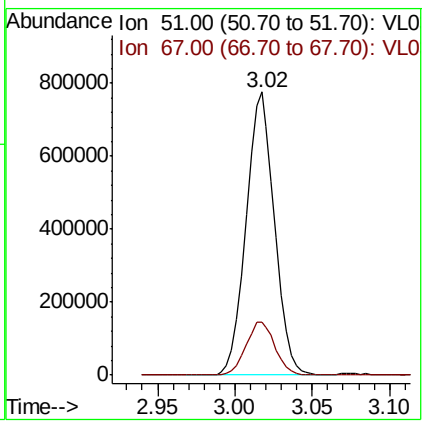


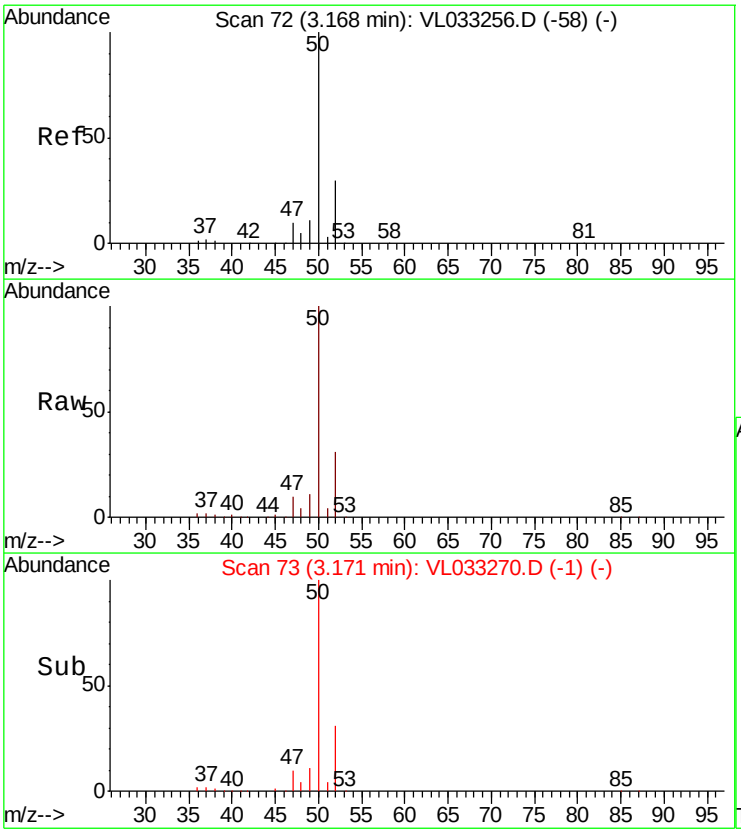
#3
Chlorodifluoromethane
Concen: 9.627 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 991123

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.0	22.6

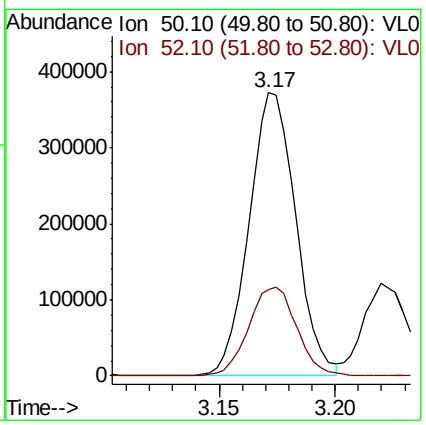


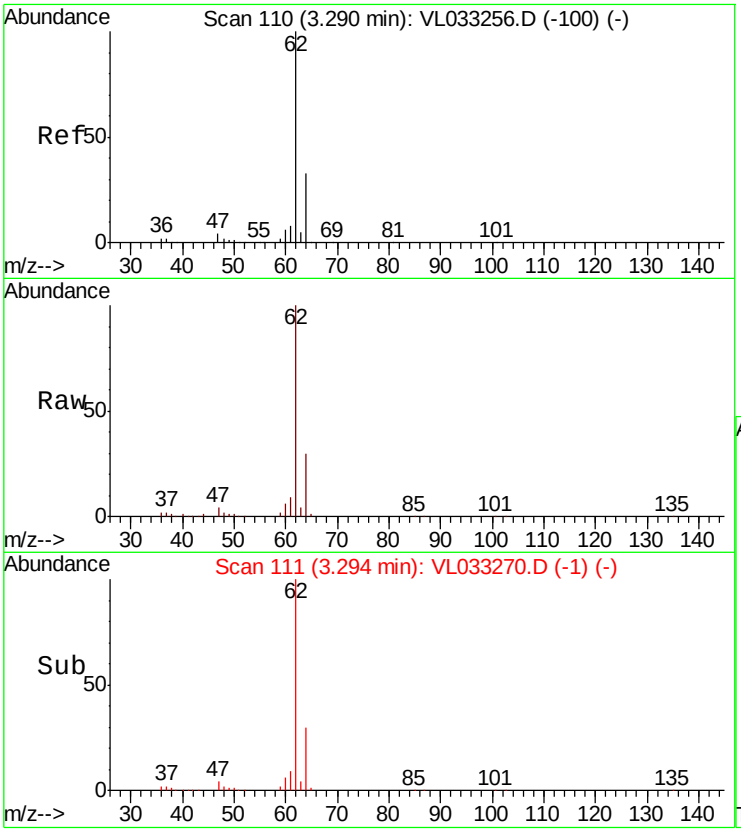


#4
Chloromethane
Concen: 9.731 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 50 Resp: 522006

Ion	Ratio	Lower	Upper
50	100		
52	30.7	24.2	36.2



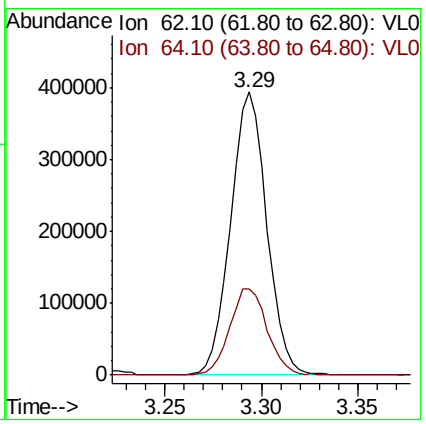


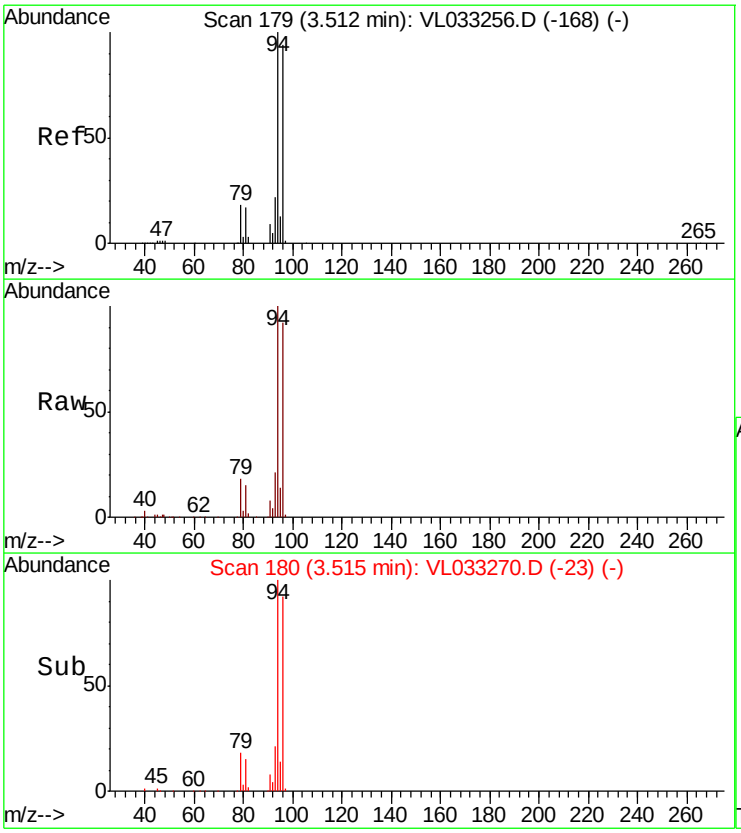
#5
Vinyl Chloride
Concen: 9.517 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 511898

Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.4	39.6

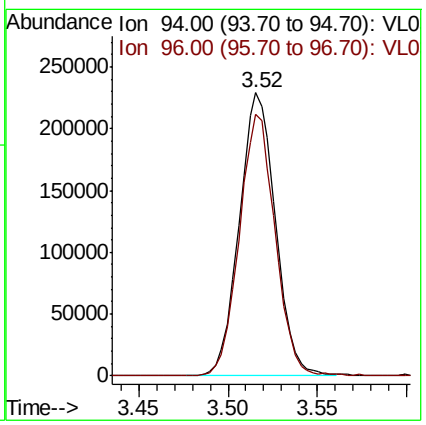


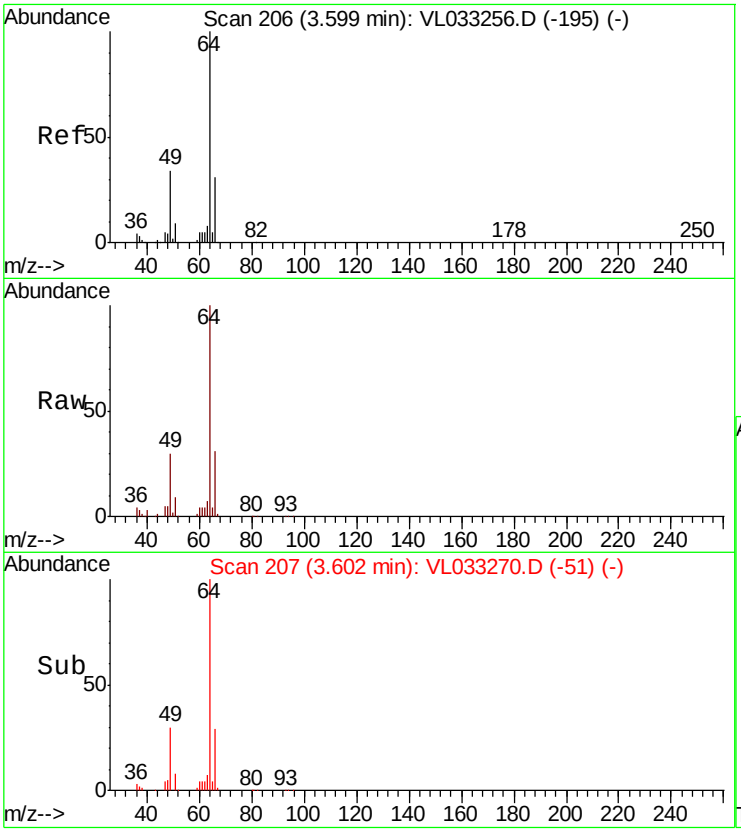


#6
Bromomethane
Concen: 9.787 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 94 Resp: 323754

Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.3	112.9



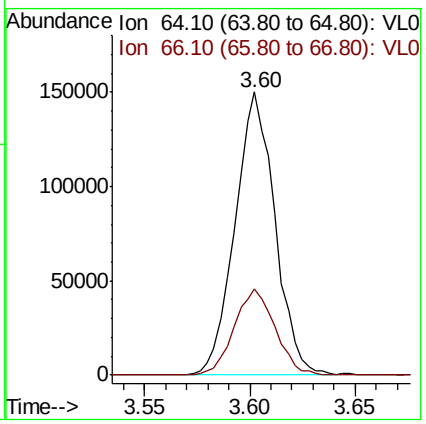


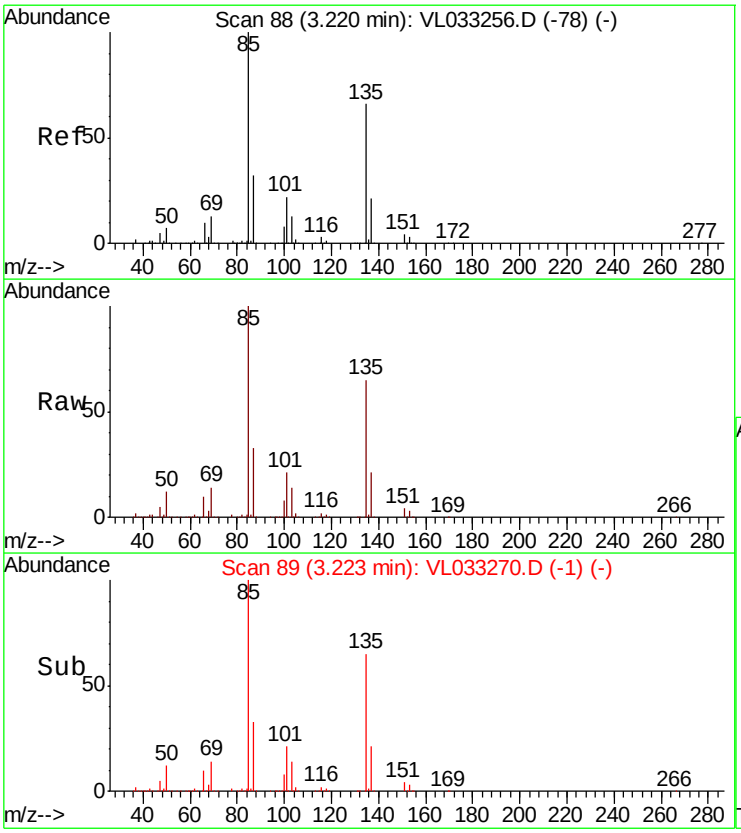
#7
Chloroethane
Concen: 10.165 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 197684

Ion	Ratio	Lower	Upper
64	100		
66	30.6	25.2	37.8

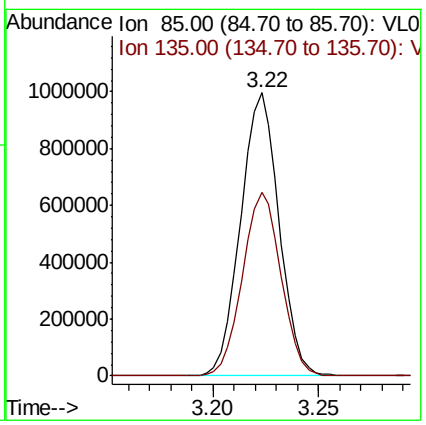


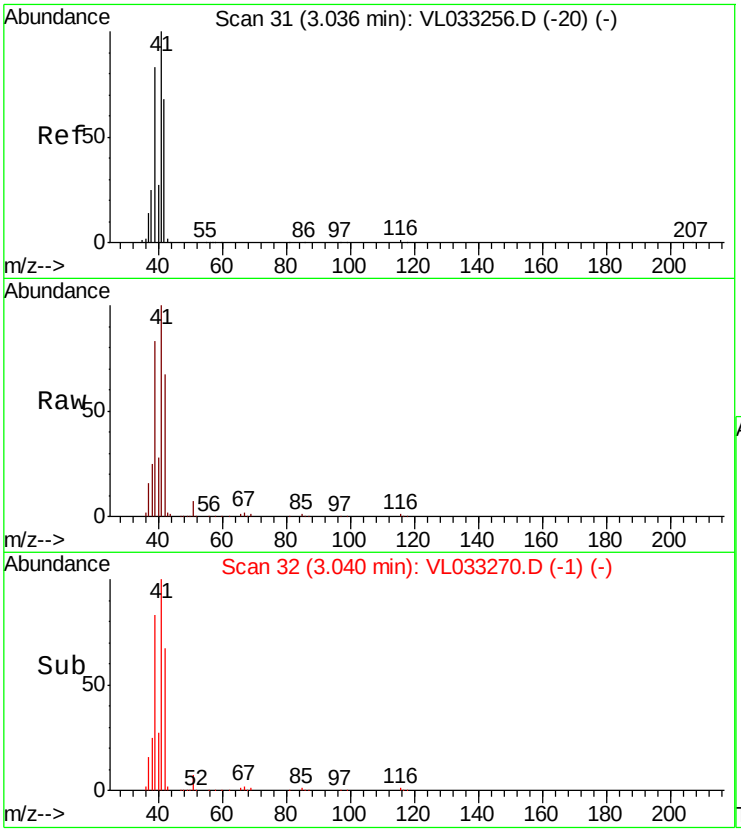


#8
Dichlorotetrafluoroethane
Concen: 9.367 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 85 Resp: 1256473

Ion	Ratio	Lower	Upper
85	100		
135	65.3	52.3	78.5



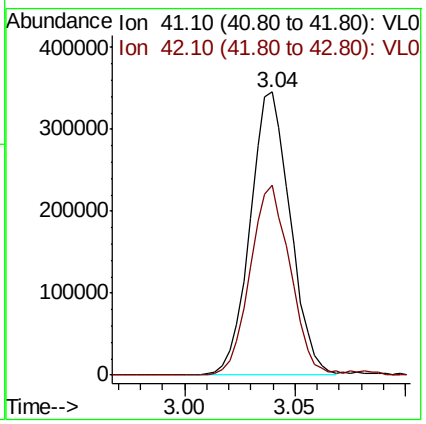


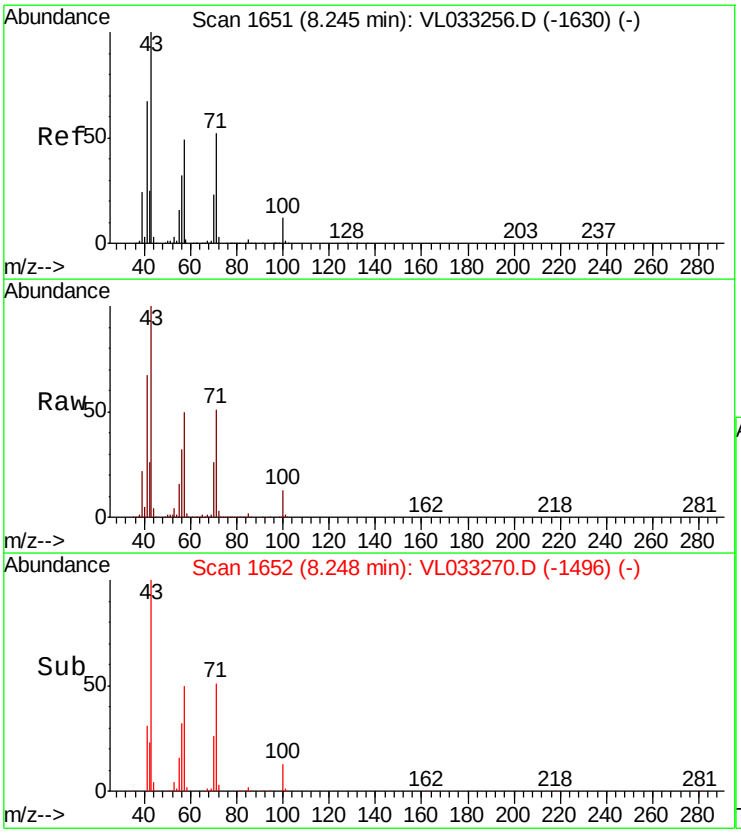
#9
Propene
Concen: 9.585 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 435379

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.2	82.8

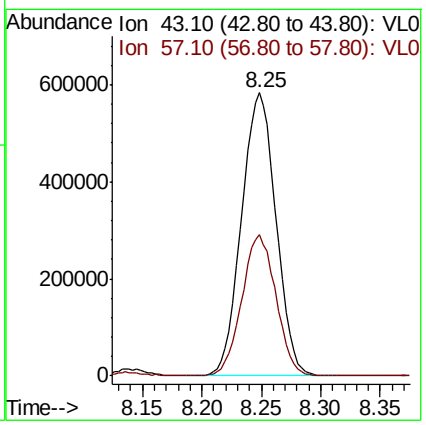


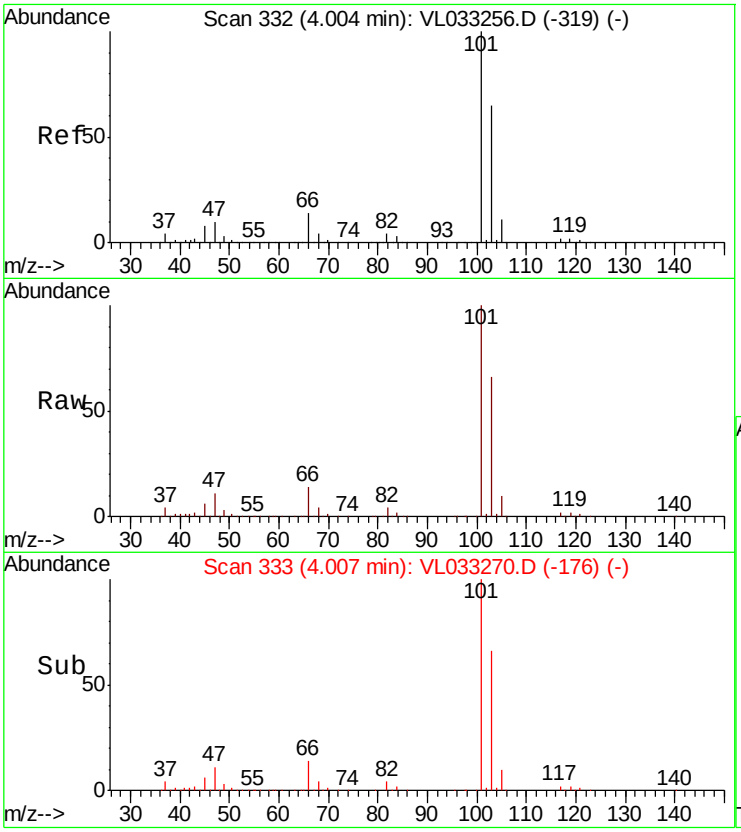


#10
Heptane
Concen: 9.396 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 43 Resp: 1165564

Ion	Ratio	Lower	Upper
43	100		
57	49.4	40.0	60.0



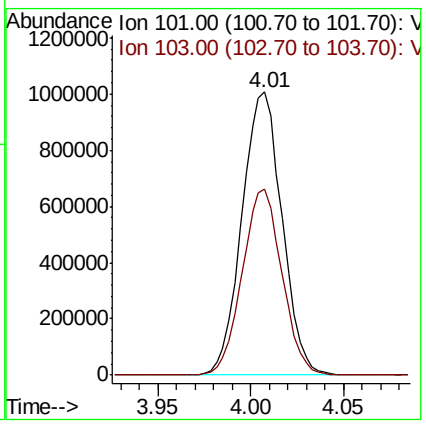


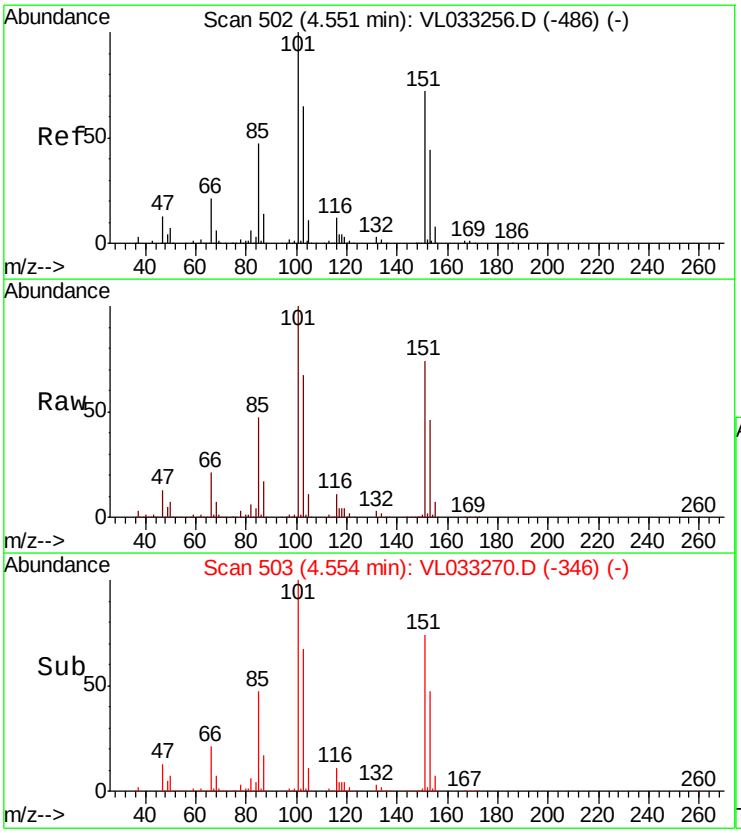
#11
Trichlorofluoromethane
Concen: 10.069 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1509371

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.9	77.9

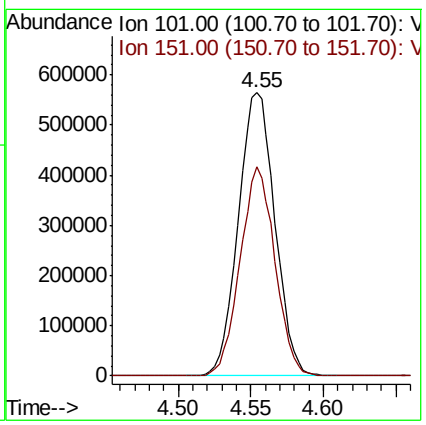


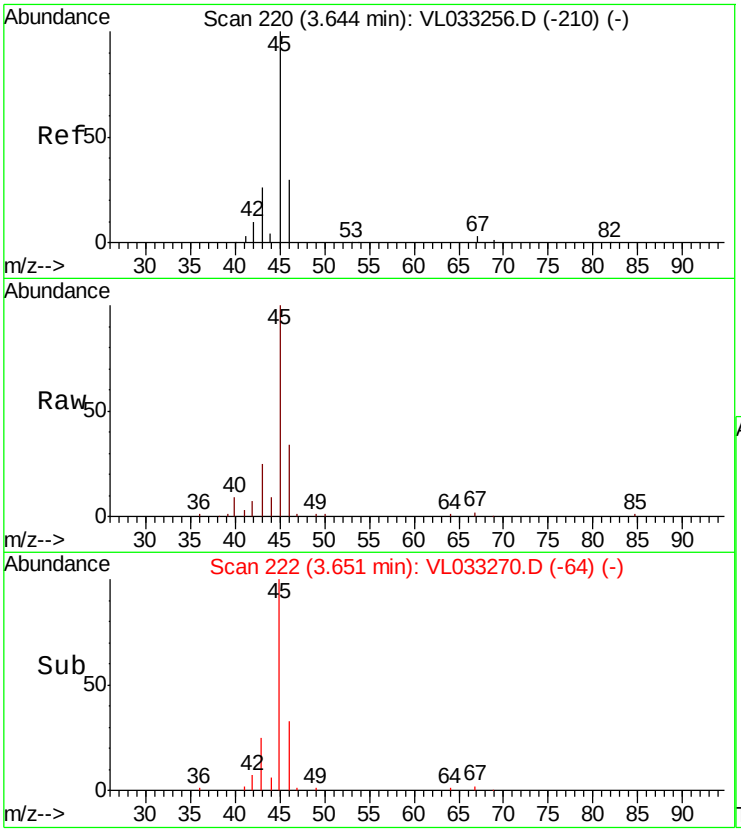


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.059 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:101 Resp: 990858

Ion	Ratio	Lower	Upper
101	100		
151	70.5	57.2	85.8



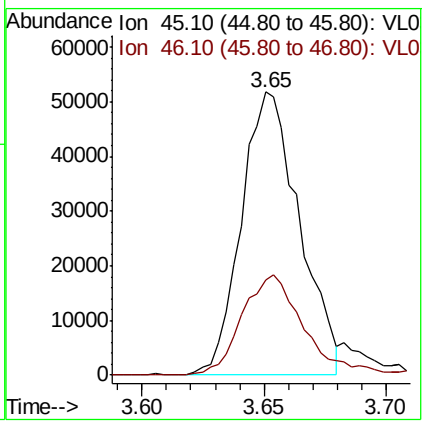


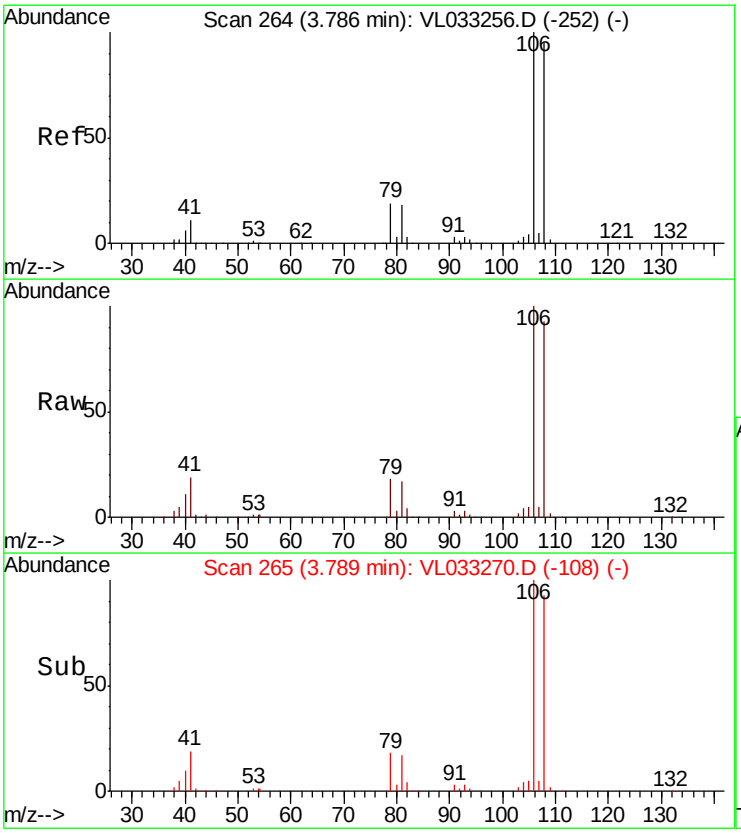
#13
Ethanol
Concen: 6.496 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 85396

Ion	Ratio	Lower	Upper
45	100		
46	38.9	14.9	59.7

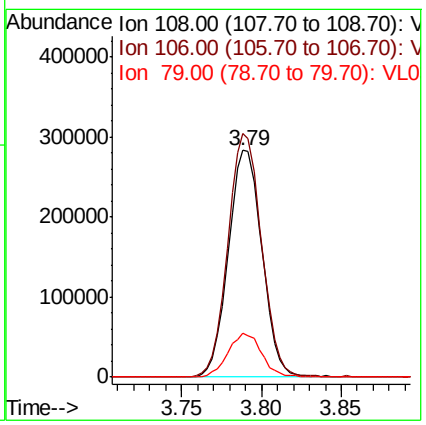


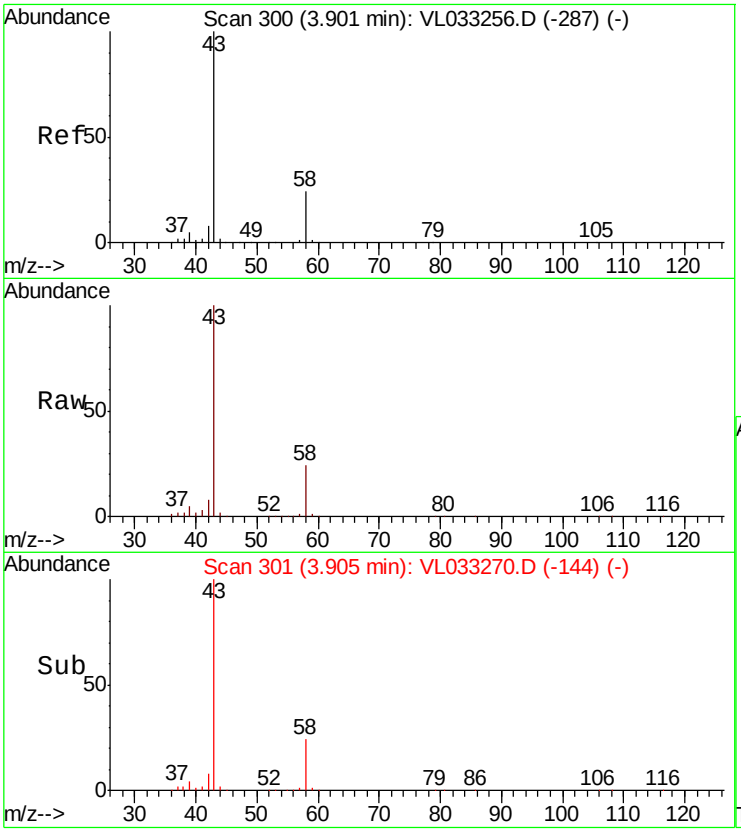


#14
Bromoethene
Concen: 9.998 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:108 Resp: 404322

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.9	130.3
79	19.7	15.8	23.6



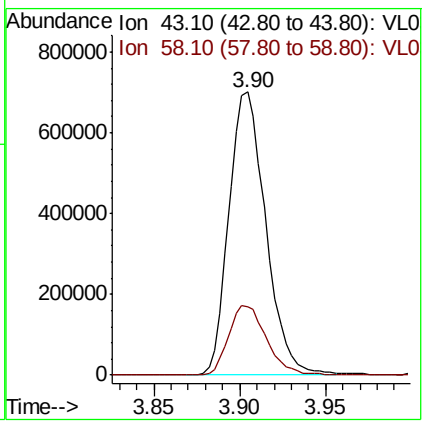


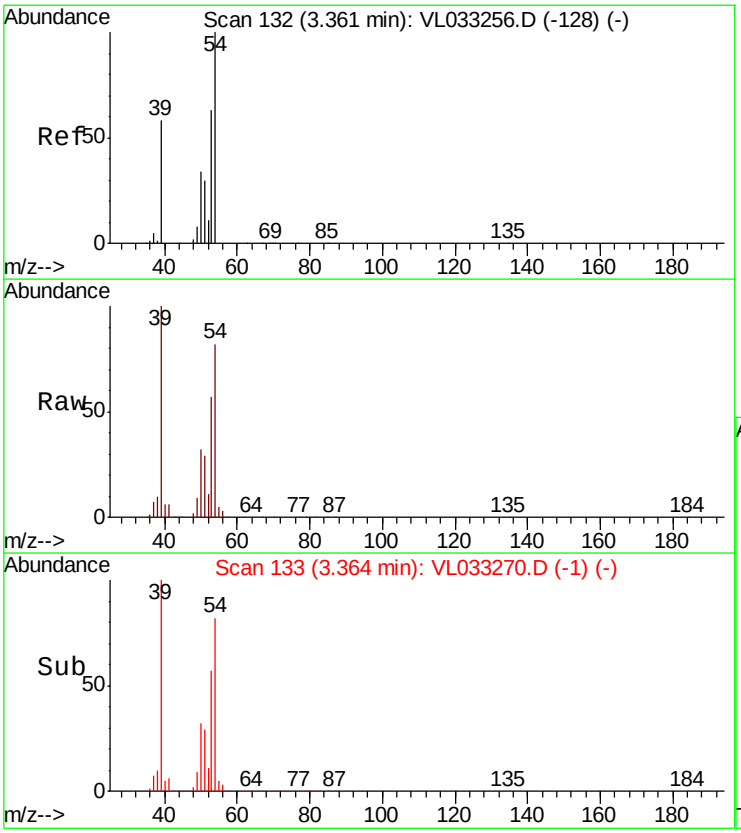
#15
Acetone
Concen: 9.676 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1042417

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.2	30.2

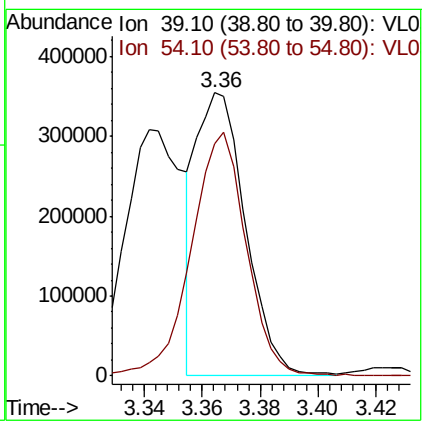


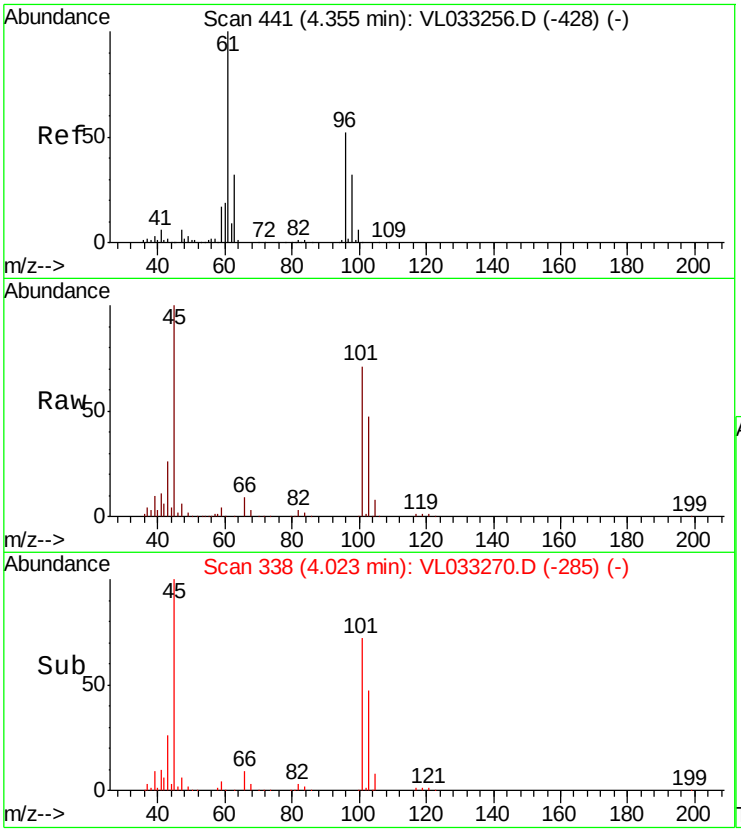


#16
1,3-Butadiene
Concen: 9.273 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 39 Resp: 414378

Ion	Ratio	Lower	Upper
39	100		
54	97.2	68.6	103.0



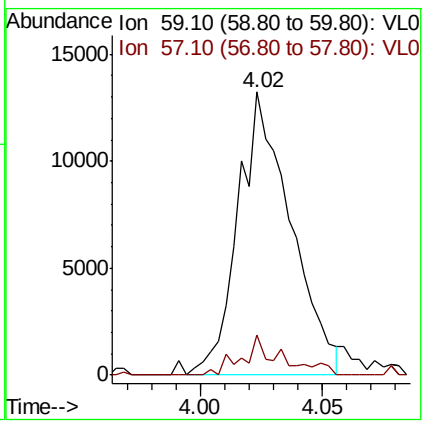


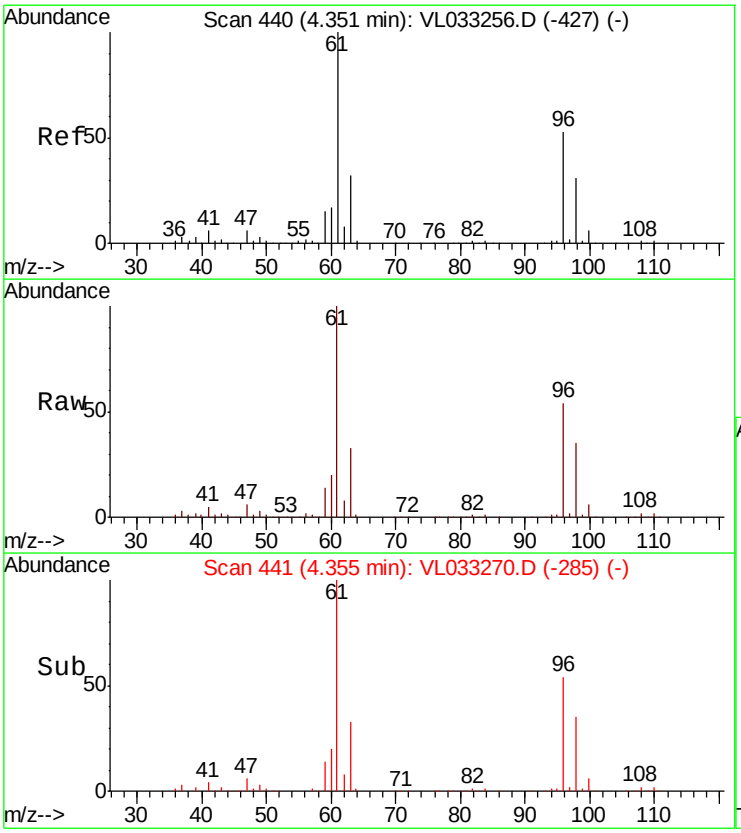
#17
tert-Butyl alcohol
Concen: 1.129 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.33 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 59 Resp: 19841

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.2	10.8

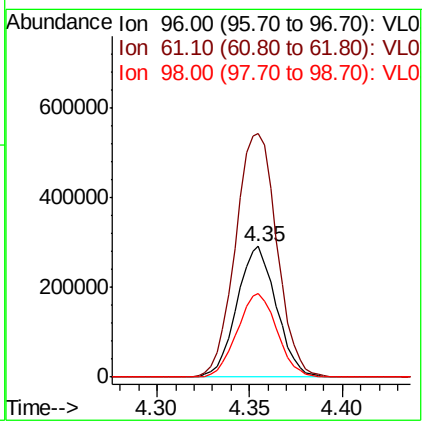


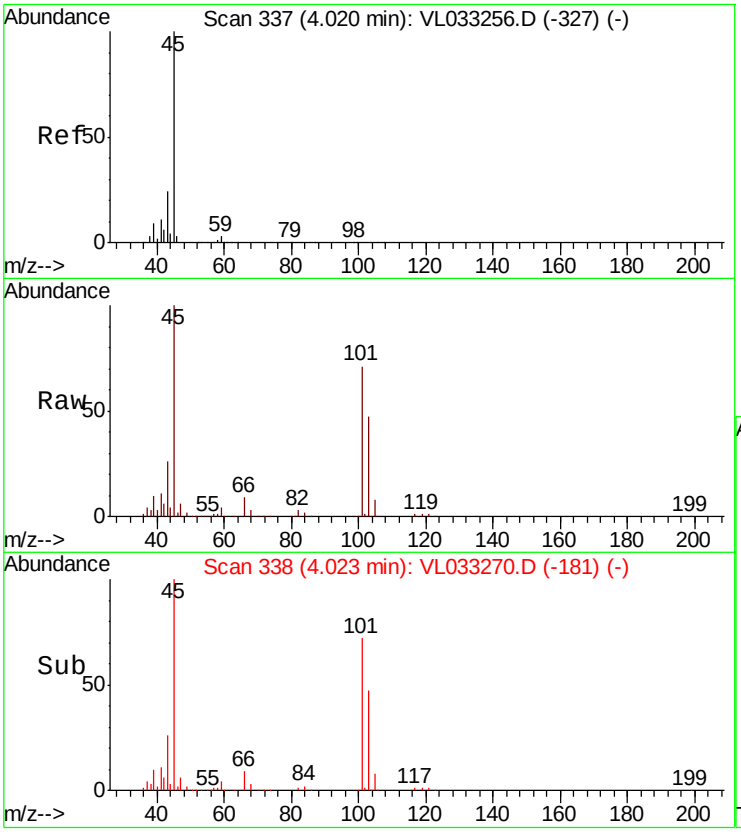


#18
1,1-Dichloroethene
Concen: 10.004 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 96 Resp: 431449

Ion	Ratio	Lower	Upper
96	100		
61	186.6	150.6	226.0
98	64.4	47.0	70.4



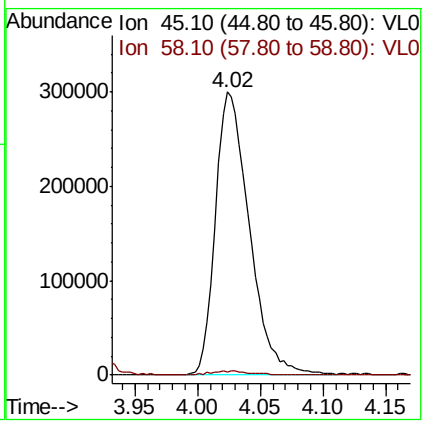


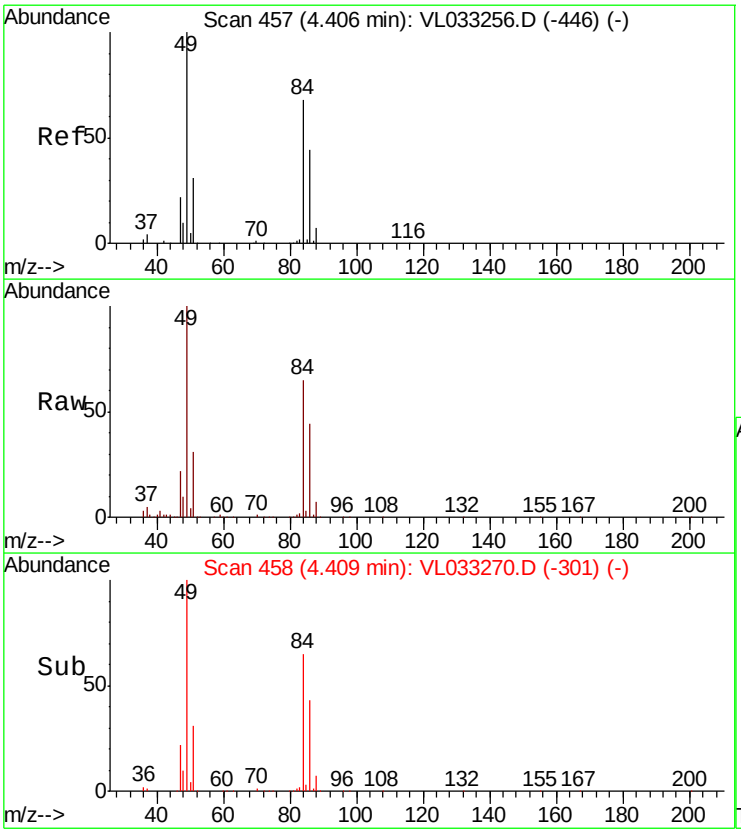
#19
Isopropyl Alcohol
Concen: 8.683 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 561644

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.5	2.3

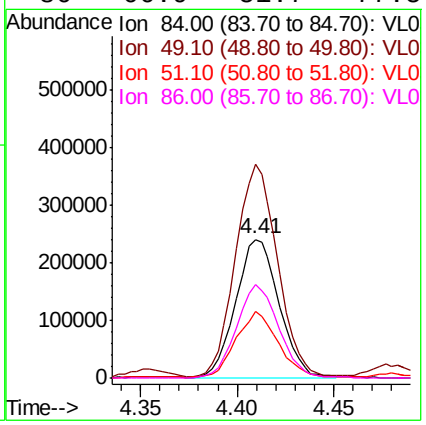


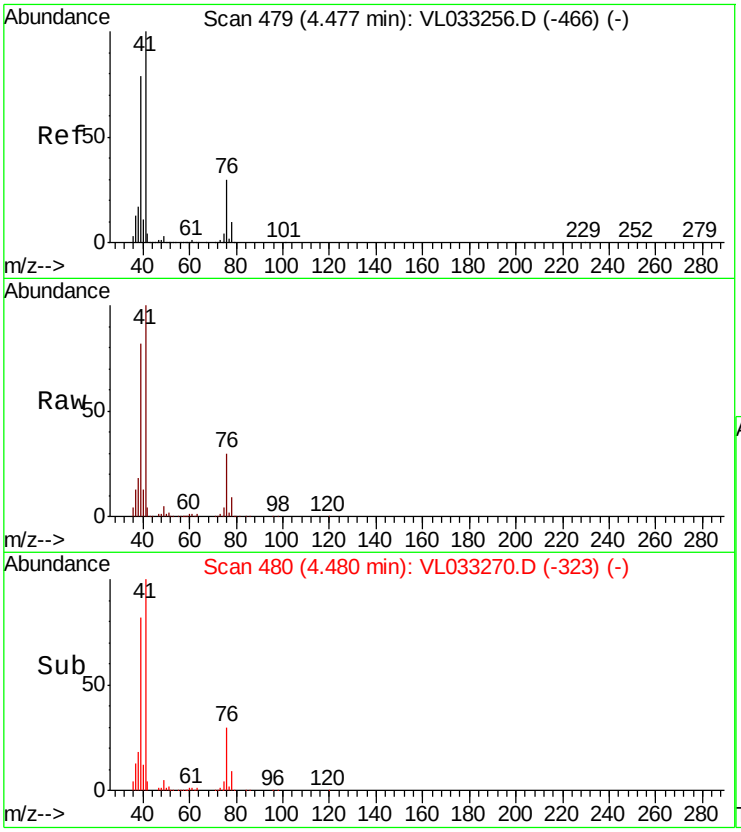


#20
Methylene Chloride
Concen: 8.422 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 84 Resp: 372395

Ion	Ratio	Lower	Upper
84	100		
49	153.2	117.8	176.6
51	47.5	36.9	55.3
86	66.9	51.7	77.5



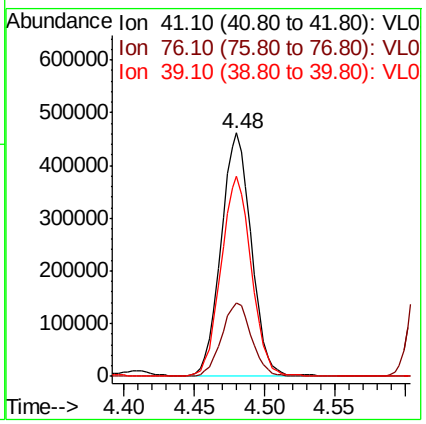


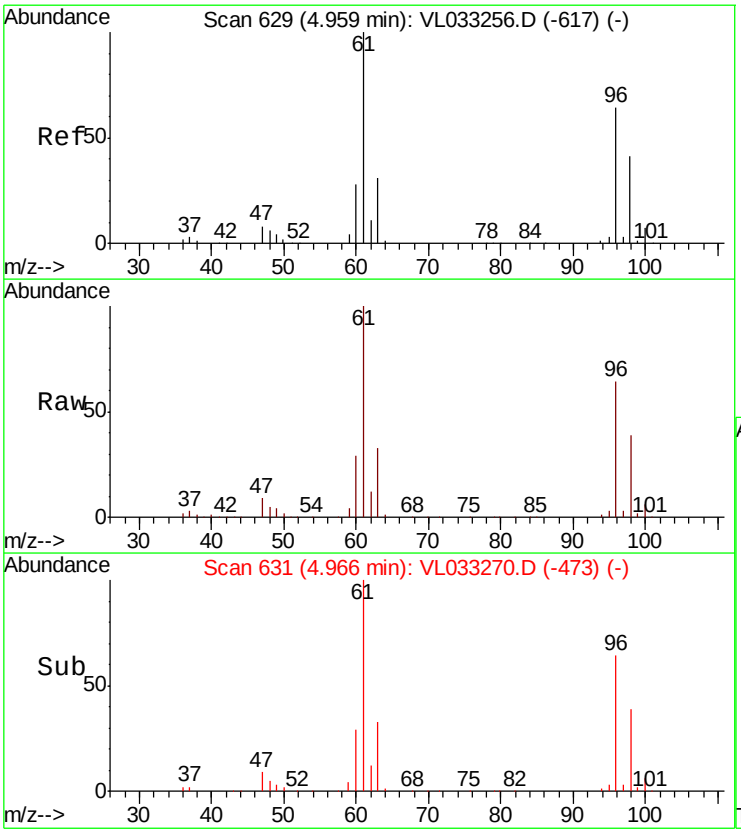
#21
Allyl Chloride
Concen: 10.636 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 688100

Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.5	36.7
39	82.4	65.3	97.9

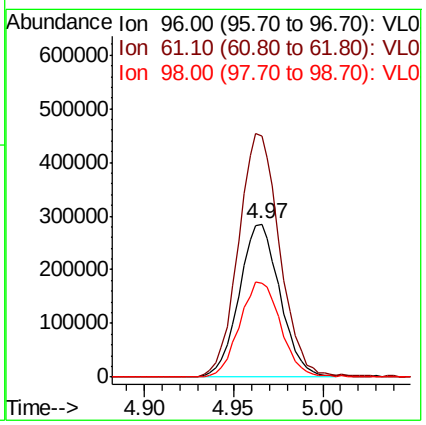


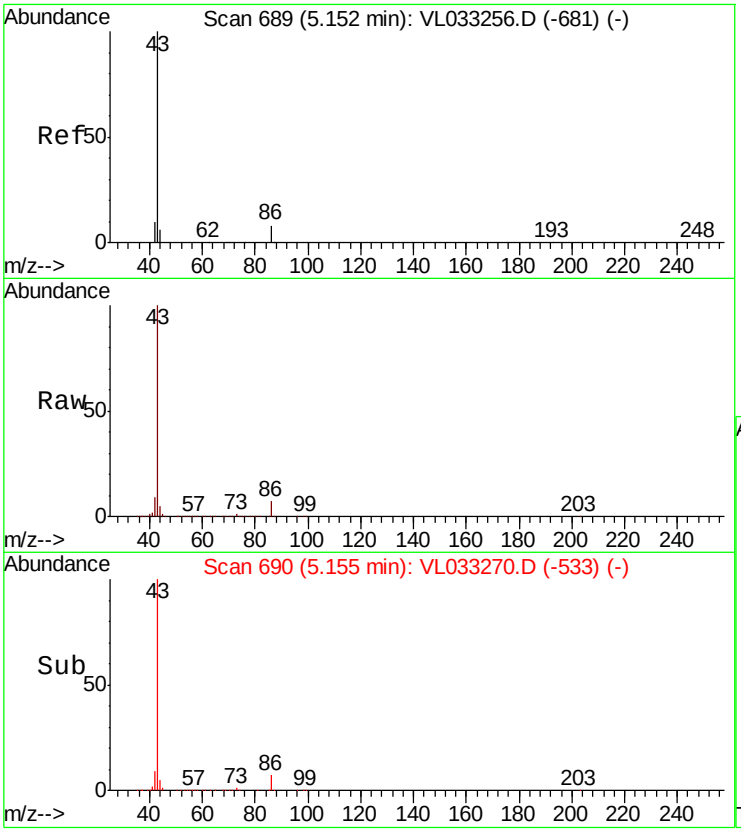


#22
trans-1,2-Dichloroethene
Concen: 10.353 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 96 Resp: 457938

Ion	Ratio	Lower	Upper
96	100		
61	156.8	125.7	188.5
98	61.3	52.1	78.1



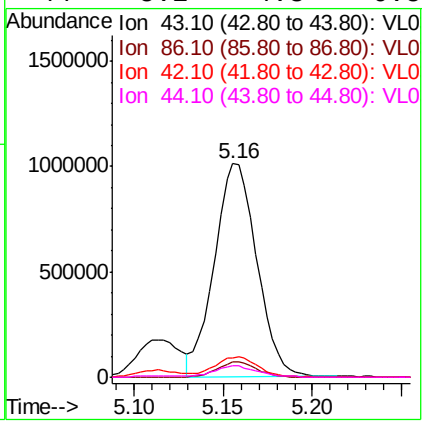


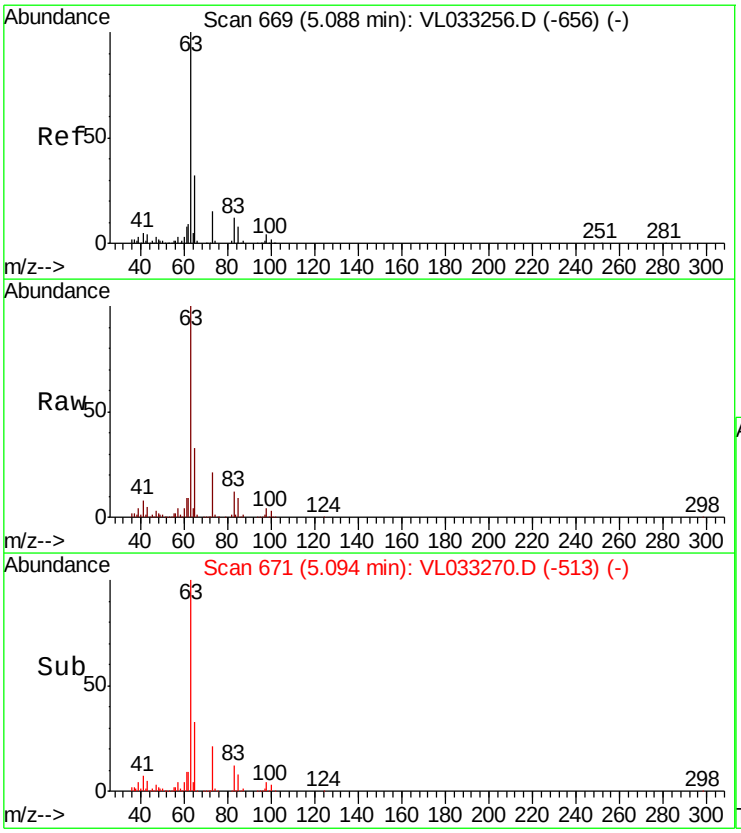
#23
Vinyl Acetate
Concen: 10.807 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1667750

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	8.7	8.1	12.1
44	5.2	4.3	6.5

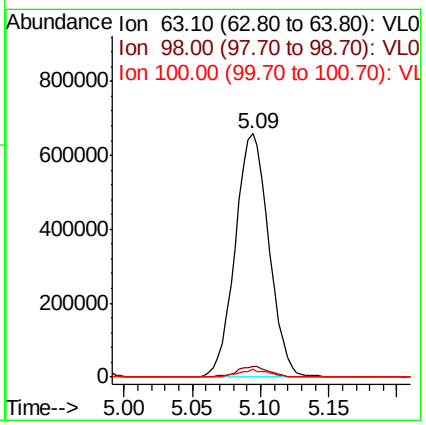


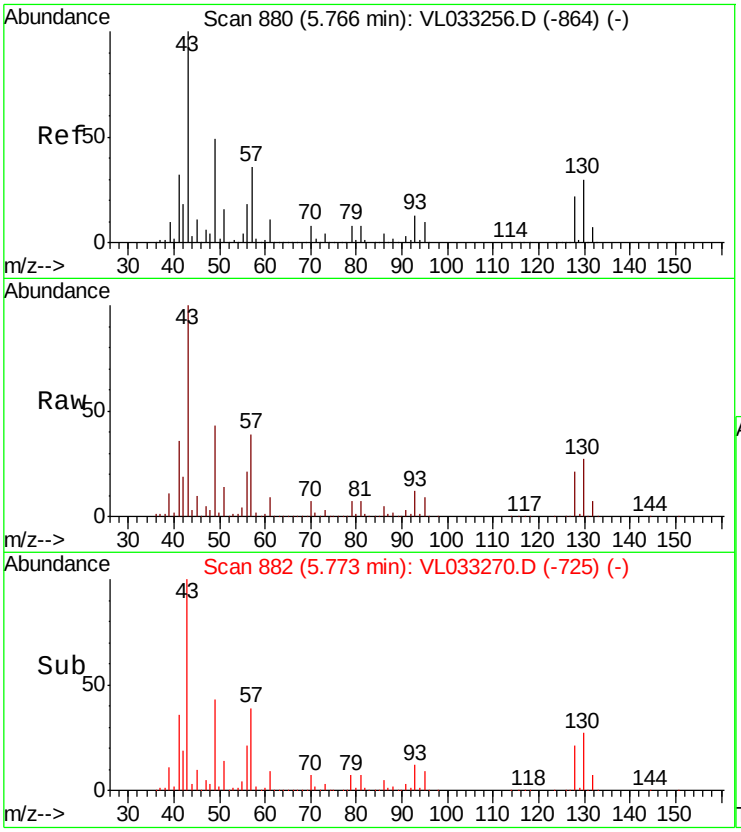


#24
1,1-Dichloroethane
Concen: 9.954 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 63 Resp: 1127652

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	3.1	1.3	3.8



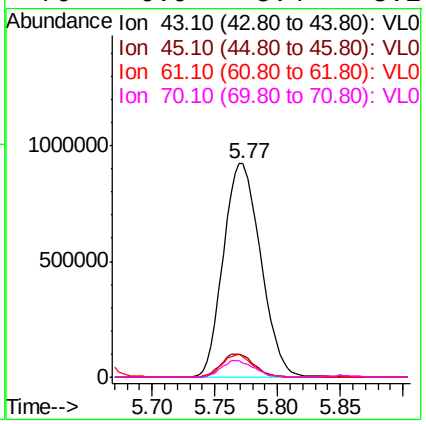


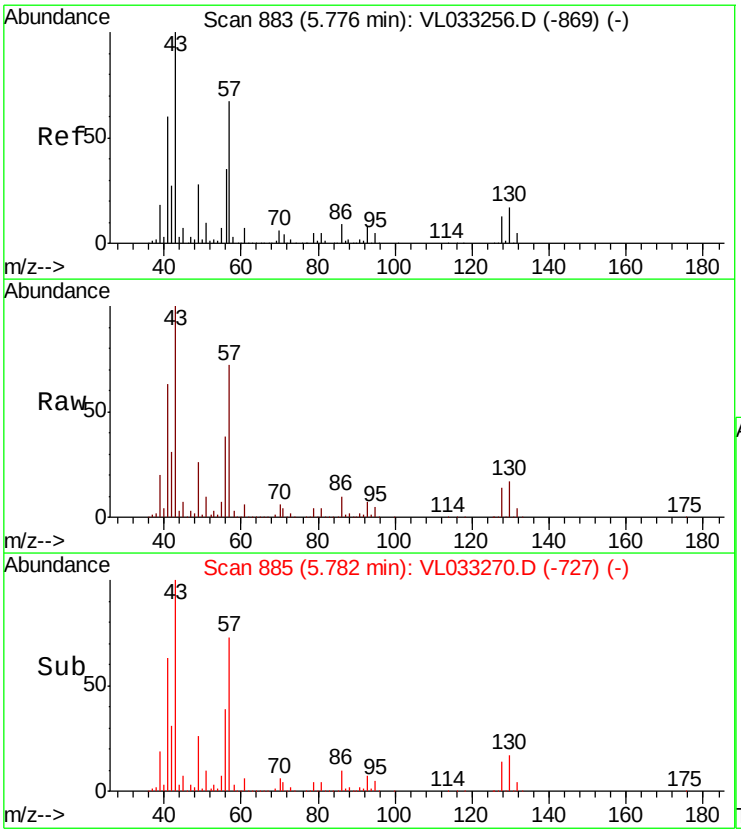
#25
Ethyl Acetate
Concen: 9.252 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1903449

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.0	7.4	11.0
70	6.9	5.4	8.2

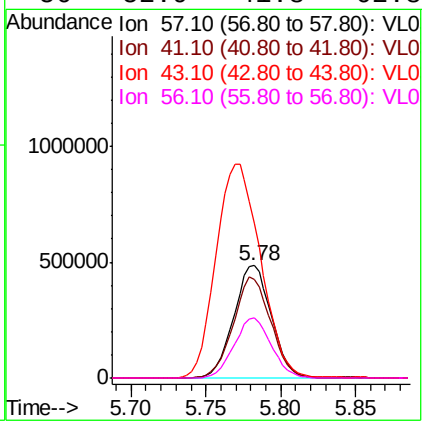


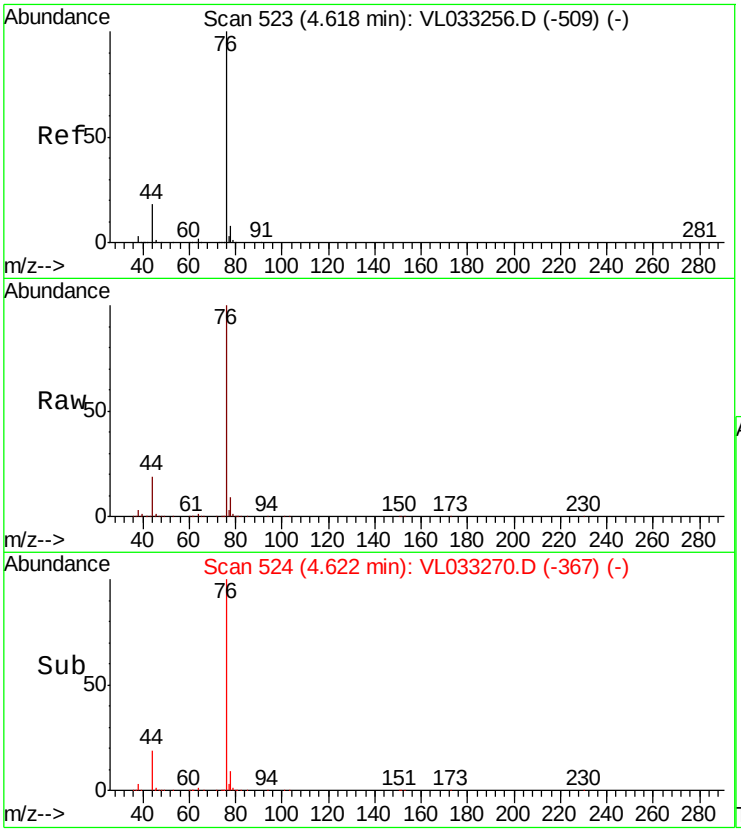


#26
Hexane
Concen: 8.734 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 57 Resp: 846679

Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.2	108.4
43	225.9	179.0	268.4
56	52.9	41.8	62.8



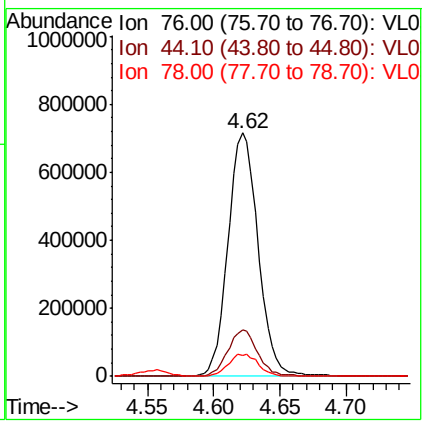


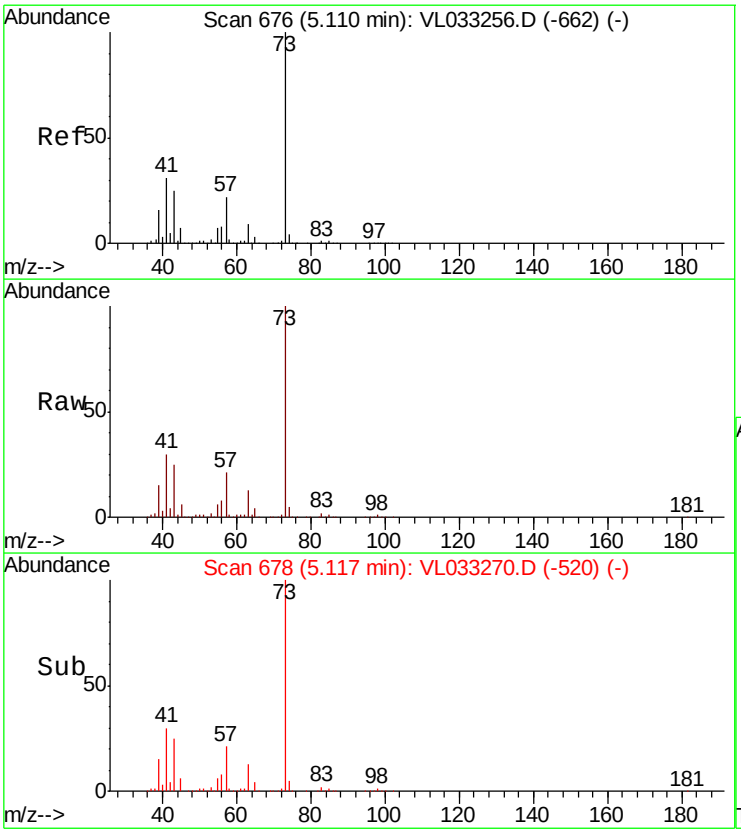
#27
Carbon Disulfide
Concen: 11.493 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1128359

Ion	Ratio	Lower	Upper
76	100		
44	18.9	14.8	22.2
78	9.1	7.2	10.8

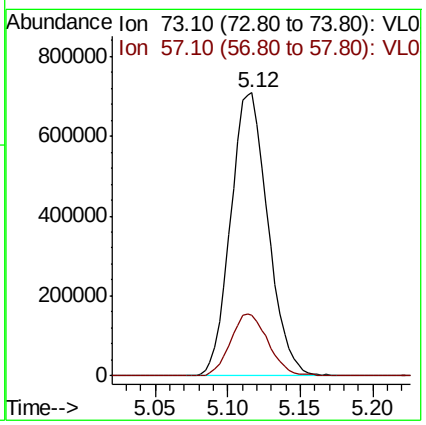


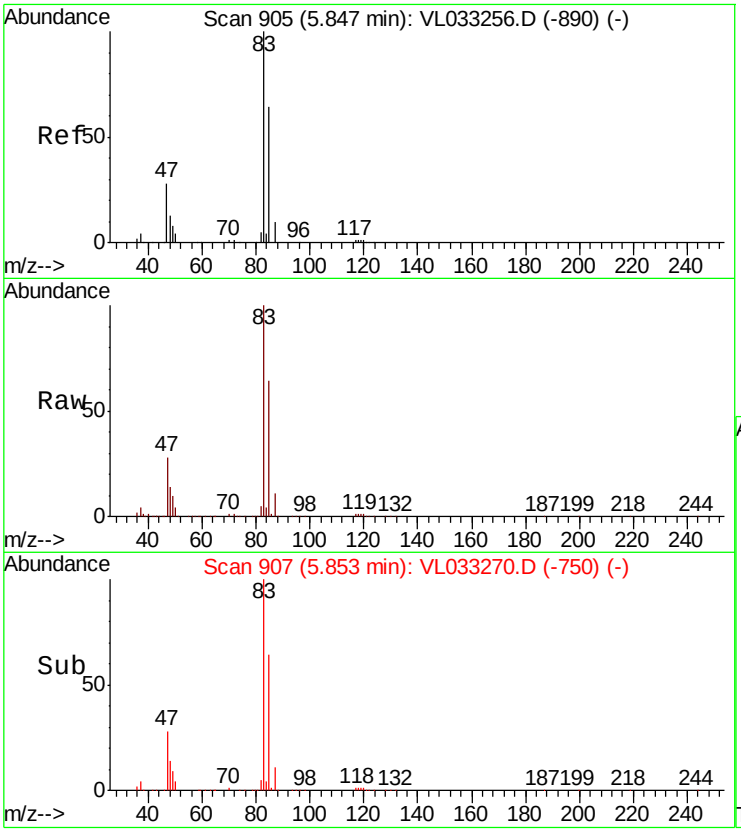


#28
Methyl tert-Butyl Ether
Concen: 10.177 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 73 Resp: 1267486

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5



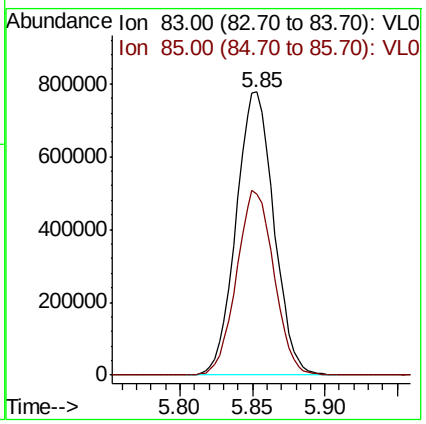


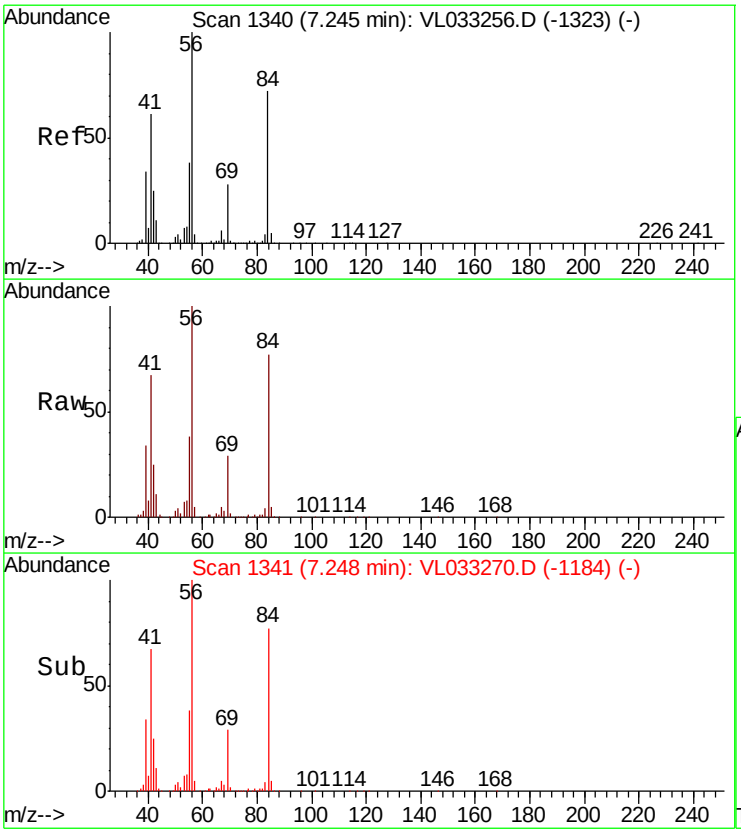
#29
Chloroform
Concen: 9.496 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1404790

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6

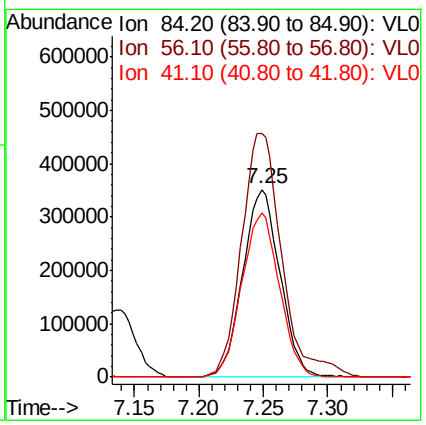


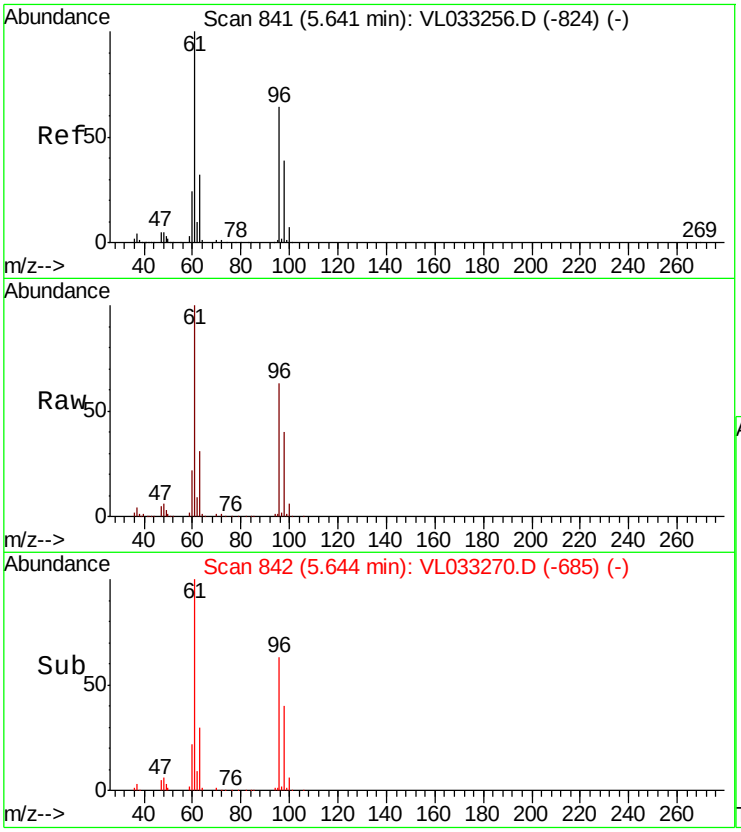


#30
Cyclohexane
Concen: 9.456 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 84 Resp: 709729

Ion	Ratio	Lower	Upper
84	100		
56	140.8	113.4	170.2
41	88.2	70.2	105.4



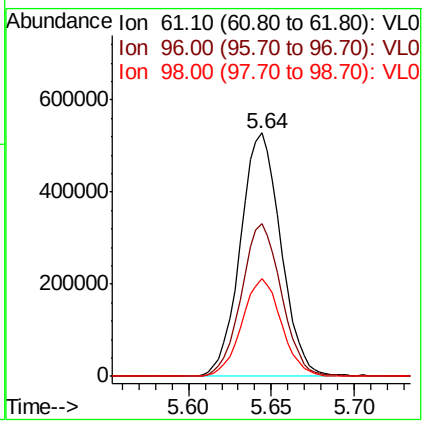


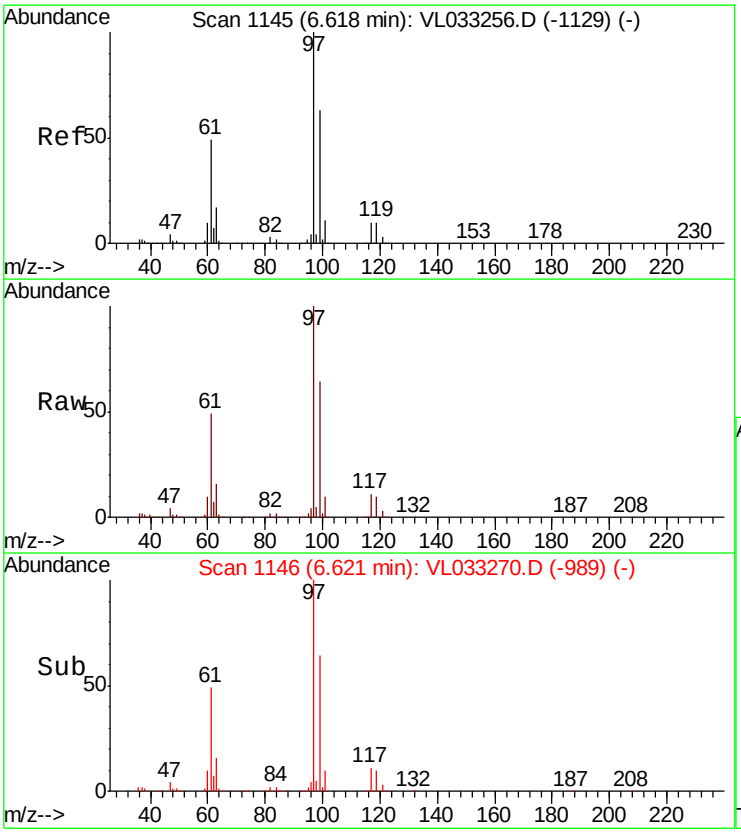
#31
cis-1,2-Dichloroethene
Concen: 9.779 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 897983

Ion	Ratio	Lower	Upper
61	100		
96	63.0	51.2	76.8
98	40.0	30.8	46.2

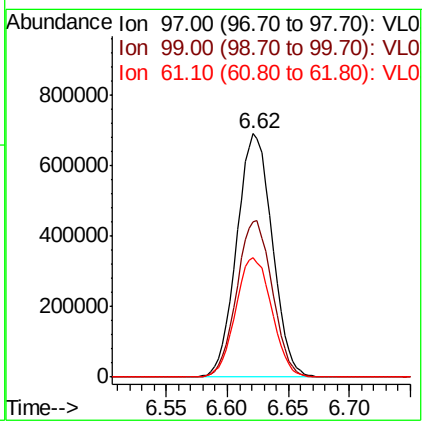


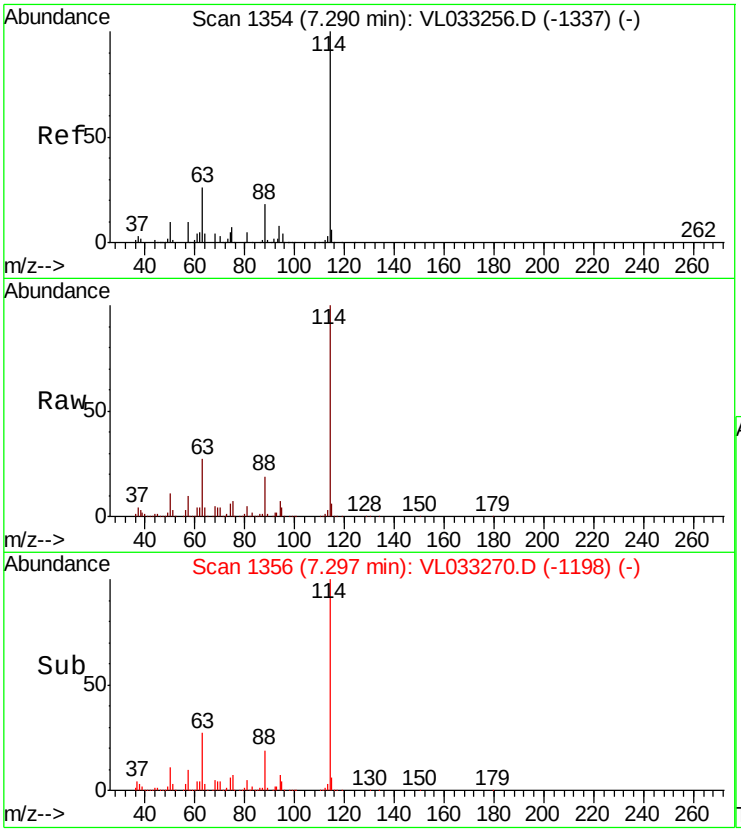


#32
1,1,1-Trichloroethane
Concen: 9.915 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 97 Resp: 1385261

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.1	40.8	61.2



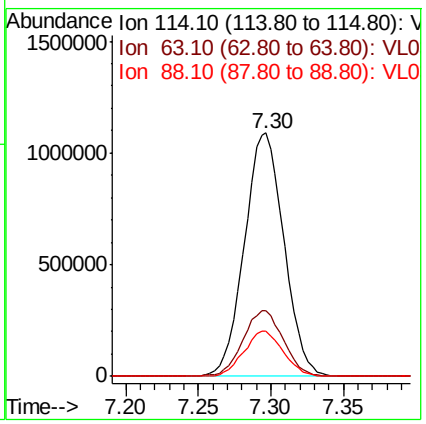


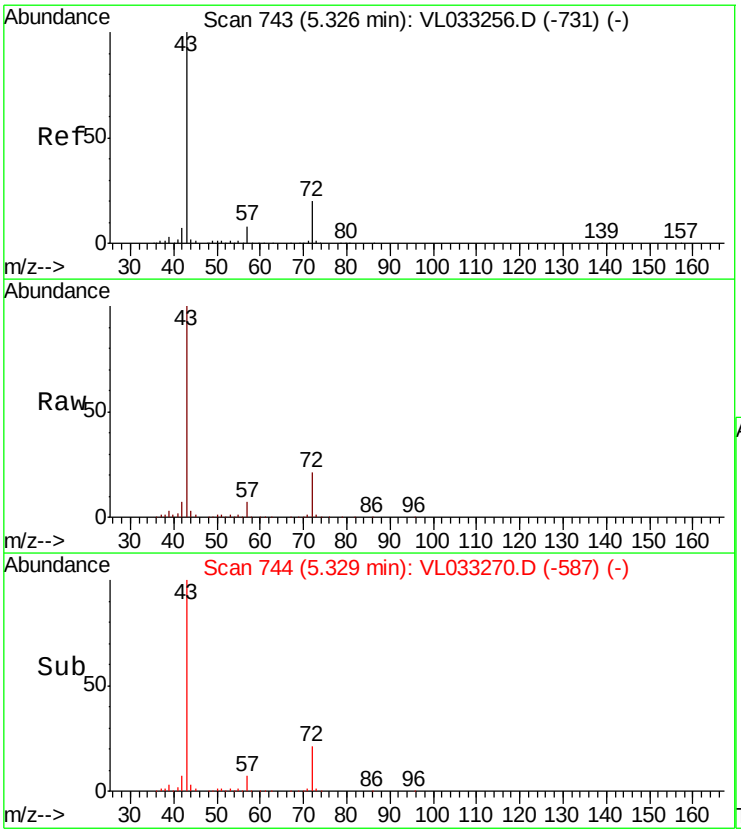
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:114 Resp: 2068436

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.2
88	18.6	14.6	22.0

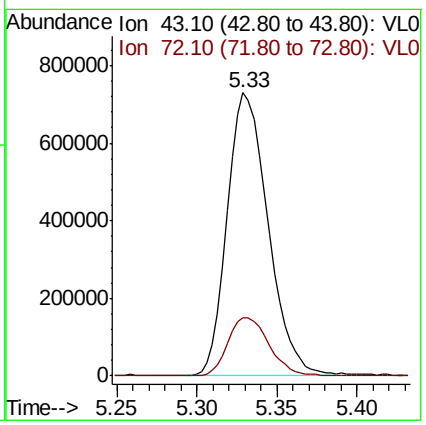


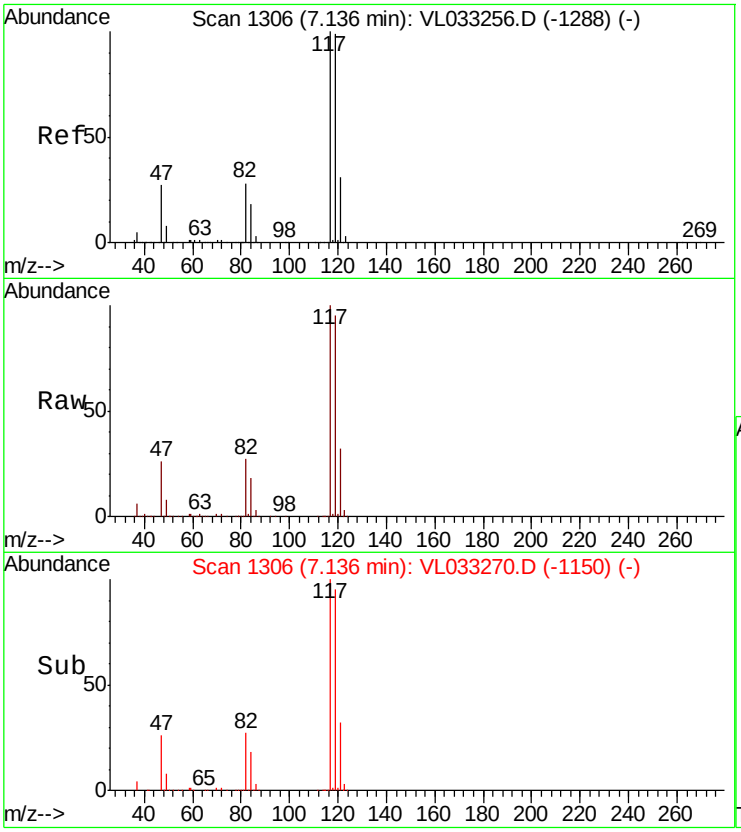


#34
2-Butanone
Concen: 10.143 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 43 Resp: 1268291

Ion	Ratio	Lower	Upper
43	100		
72	21.0	16.9	25.3



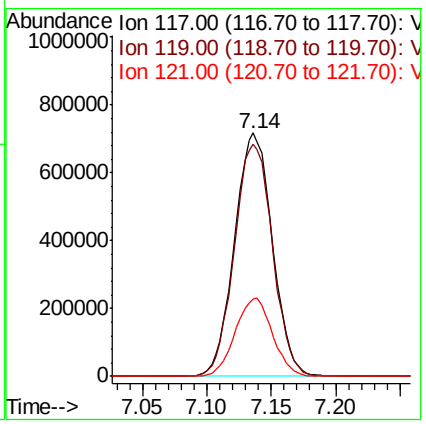


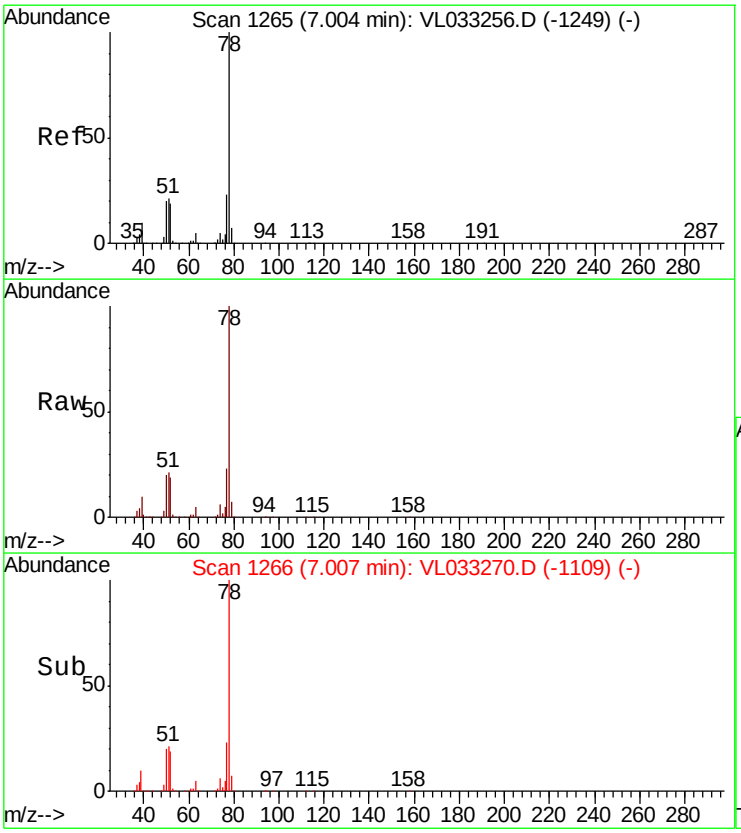
#35
Carbon Tetrachloride
Concen: 10.433 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1464806

Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.0	118.6
121	31.7	24.7	37.1

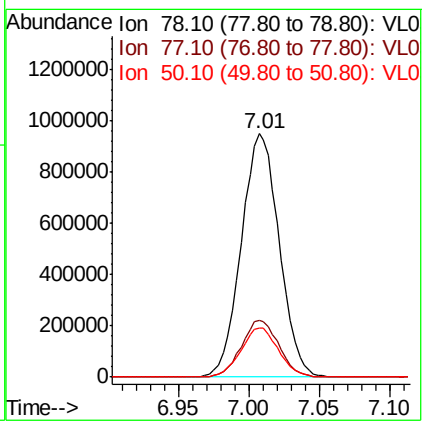


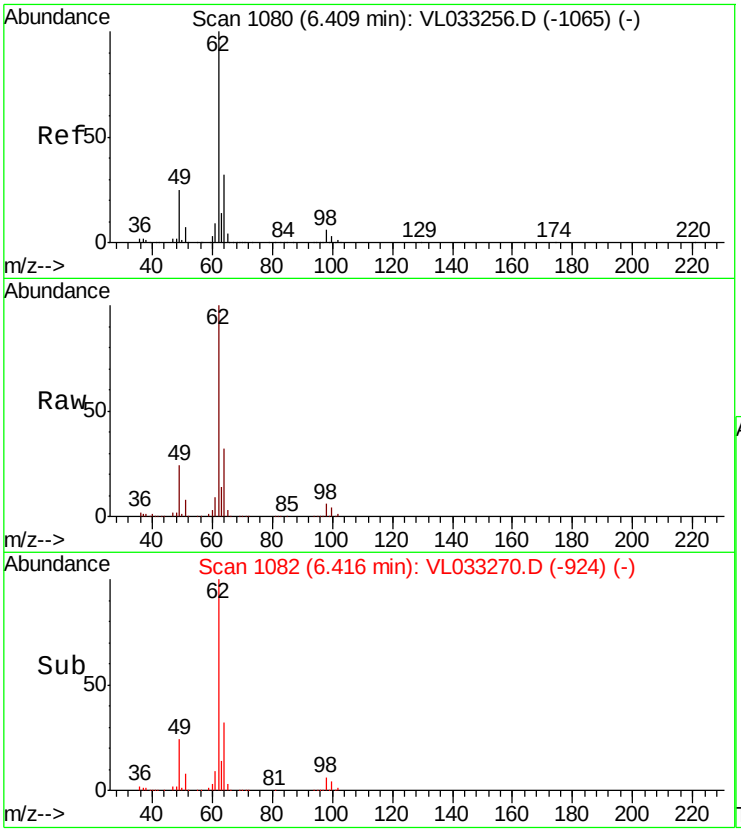


#36
Benzene
Concen: 10.038 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 78 Resp: 1787460

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	20.1	16.2	24.2



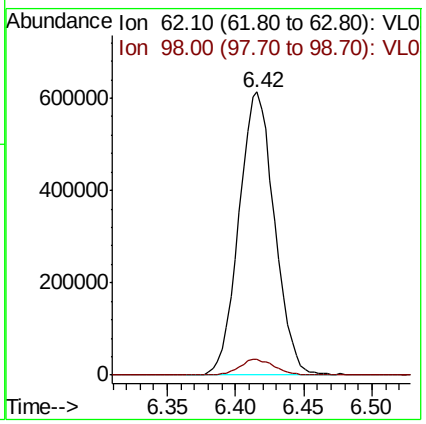


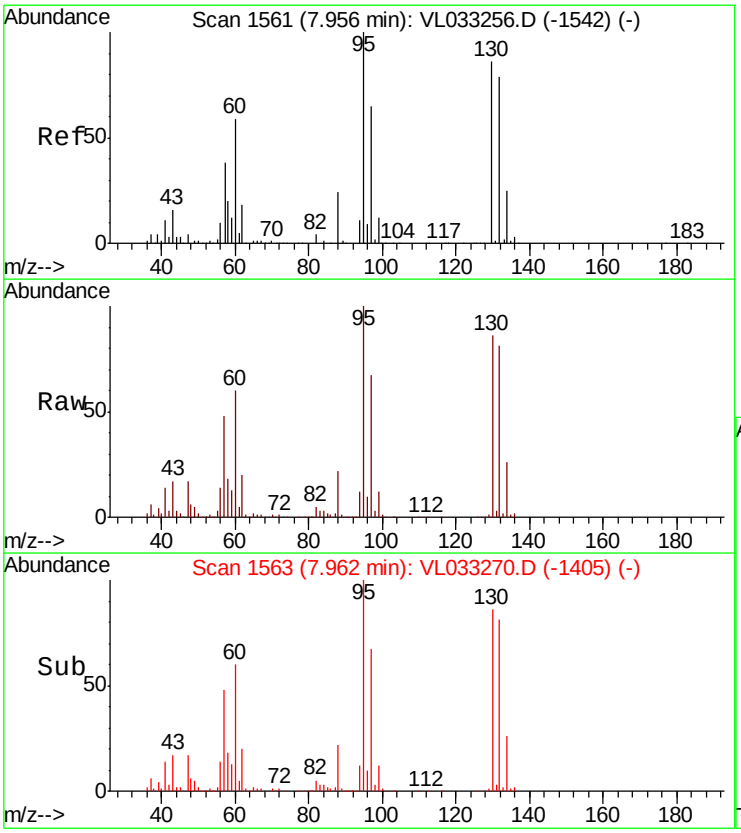
#37
1,2-Dichloroethane
Concen: 9.669 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1108708

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

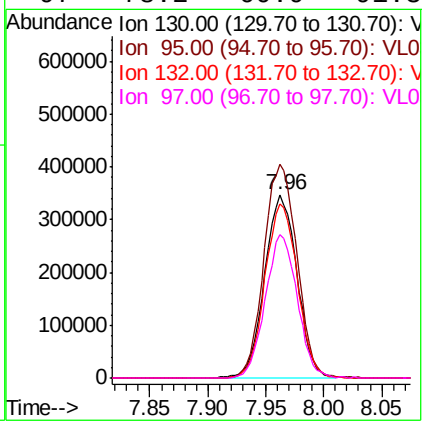


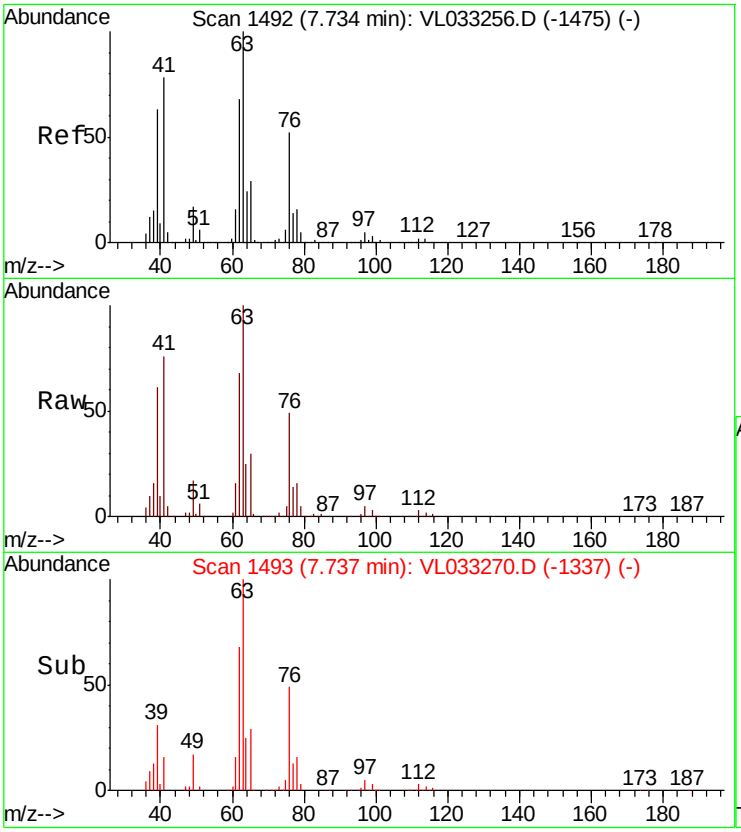


#38
Trichloroethene
Concen: 9.749 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:130 Resp: 673668

Ion	Ratio	Lower	Upper
130	100		
95	116.6	93.4	140.0
132	94.8	74.0	111.0
97	78.2	60.9	91.3



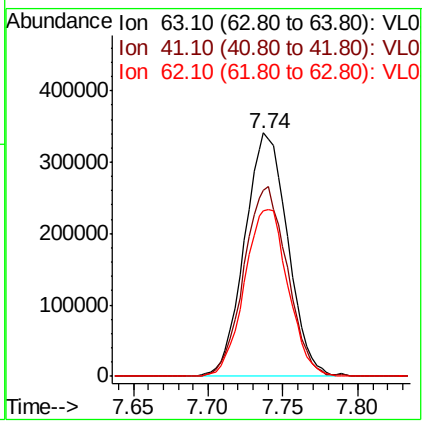


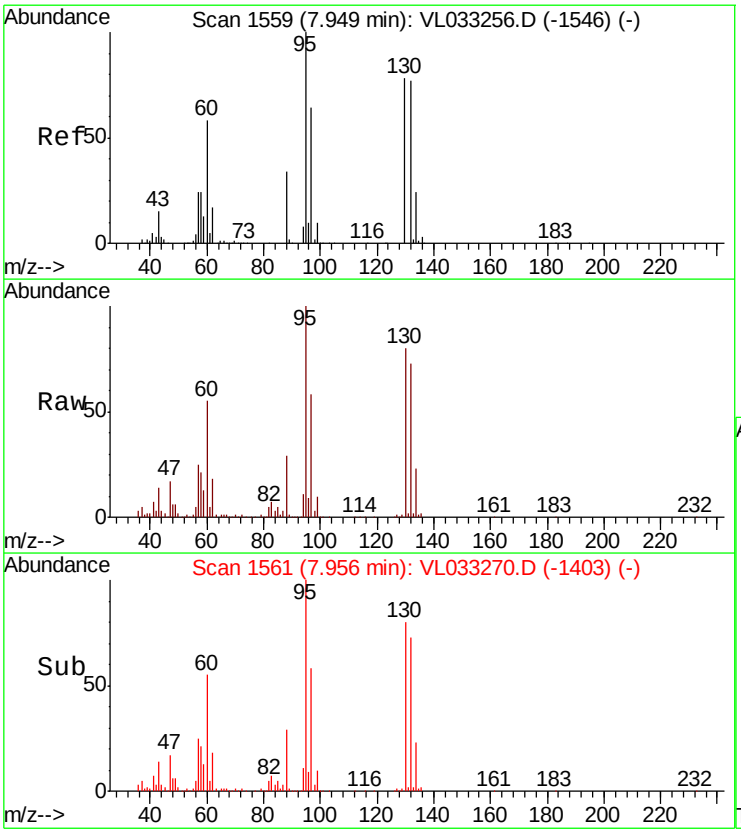
#39
1,2-Dichloropropane
Concen: 9.784 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 684073

Ion	Ratio	Lower	Upper
63	100		
41	76.4	62.6	94.0
62	67.9	54.6	81.8

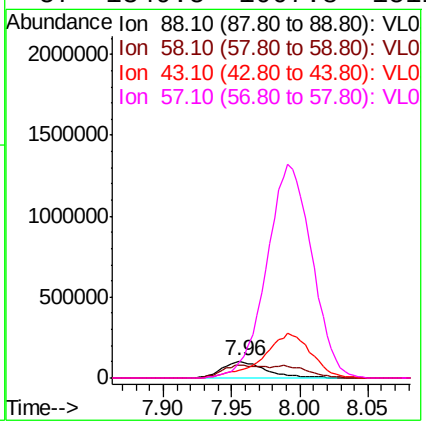


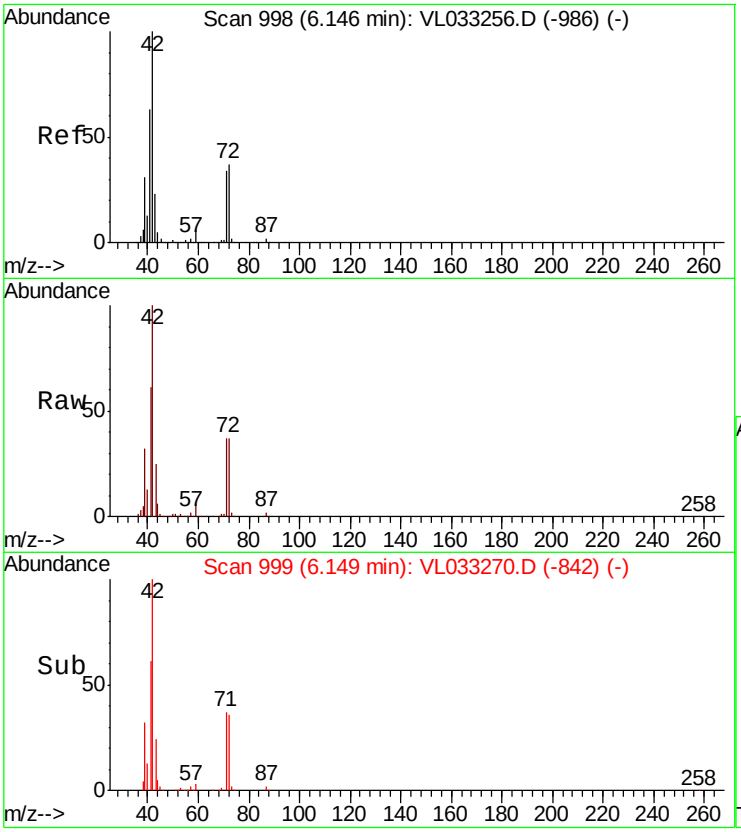


#40
1,4-Dioxane
Concen: 8.760 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 88 Resp: 225741

Ion	Ratio	Lower	Upper
88	100		
58	138.0	108.4	162.6
43	301.2	232.3	348.5
57	1349.5	1007.8	1511.8



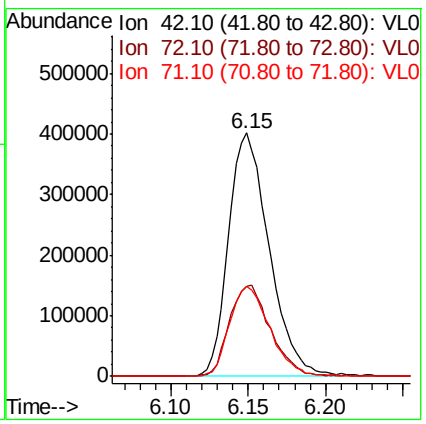


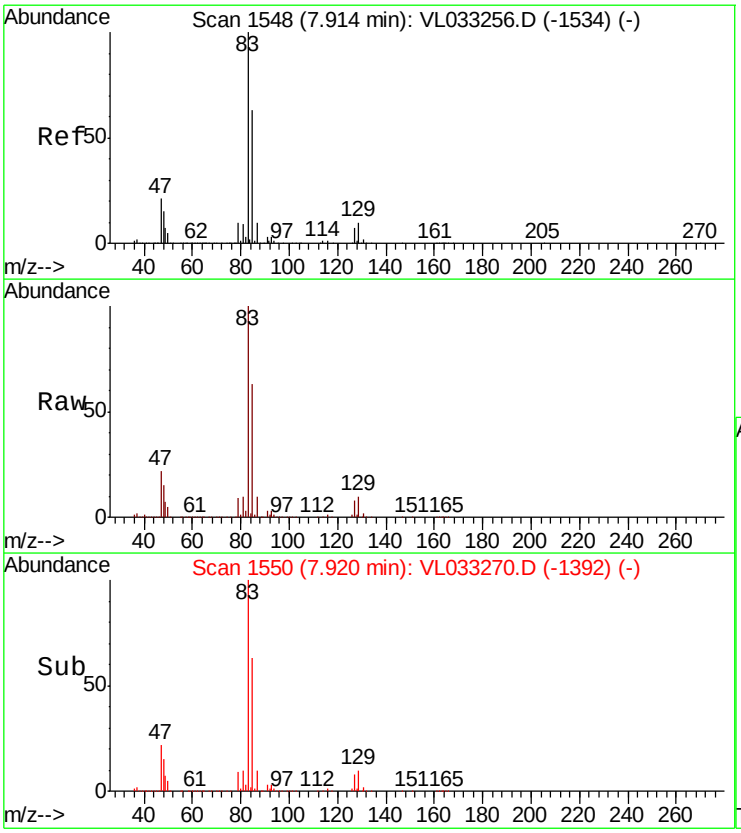
#41
Tetrahydrofuran
Concen: 10.358 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 731780

Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.2	45.2
71	37.0	29.0	43.6

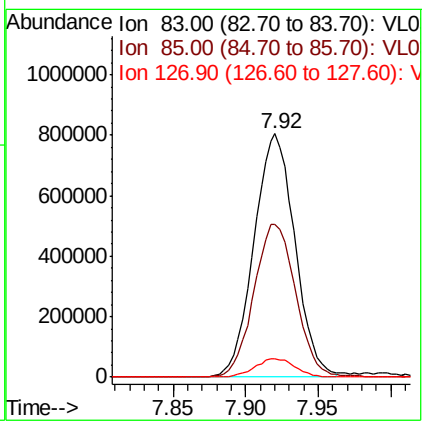


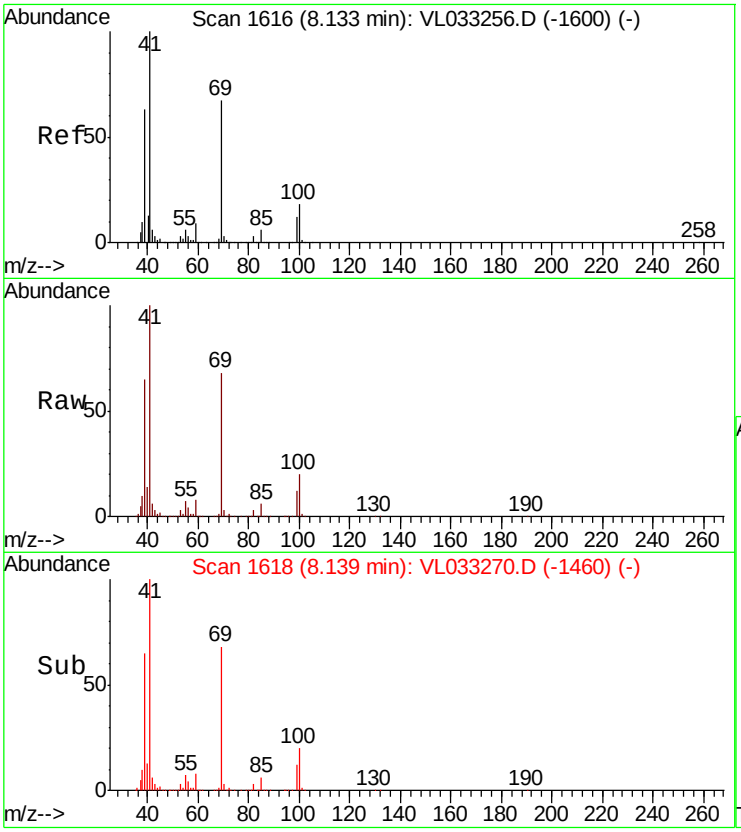


#42
Bromodichloromethane
Concen: 10.096 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 83 Resp: 1576740

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.1	75.1
127	7.5	5.9	8.9



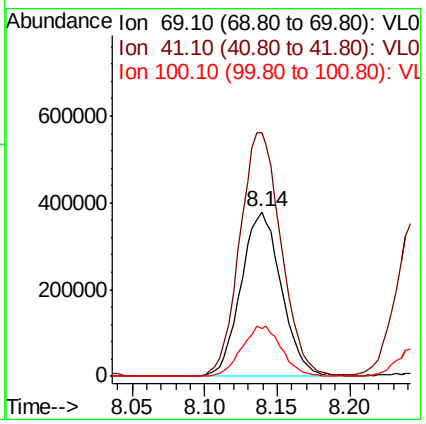


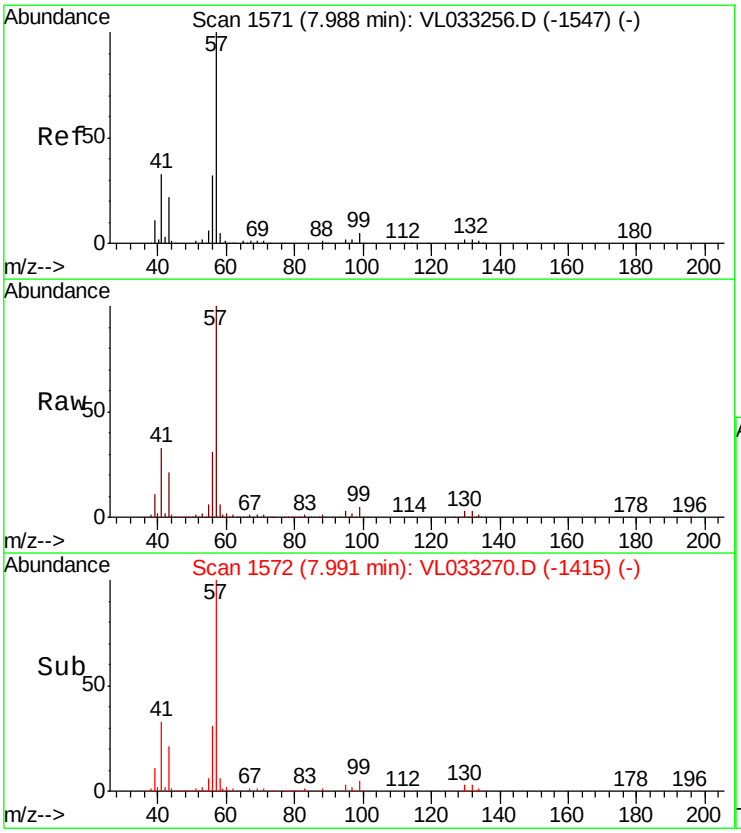
#43
Methyl Methacrylate
Concen: 10.256 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 734767

Ion	Ratio	Lower	Upper
69	100		
41	151.2	120.3	180.5
100	30.1	23.5	35.3

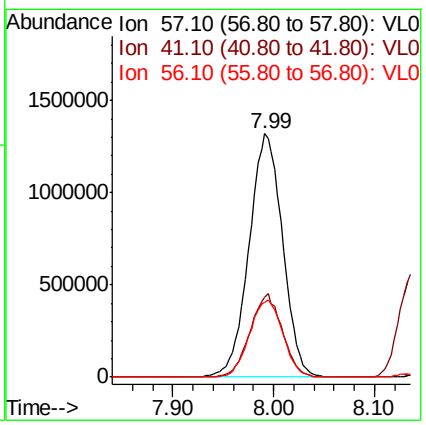


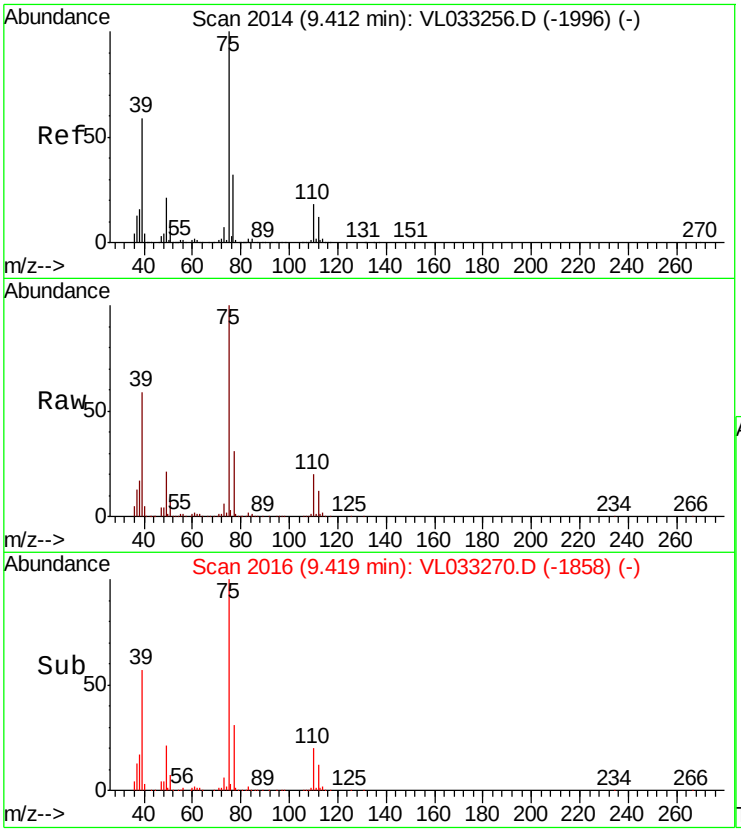


#44
2,2,4-Trimethylpentane
Concen: 9.618 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 57 Resp: 3043568

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.4	39.6
56	31.4	25.1	37.7



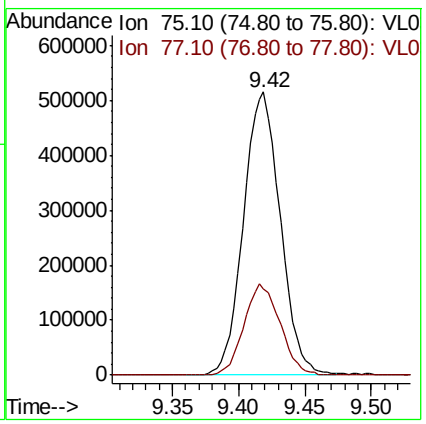


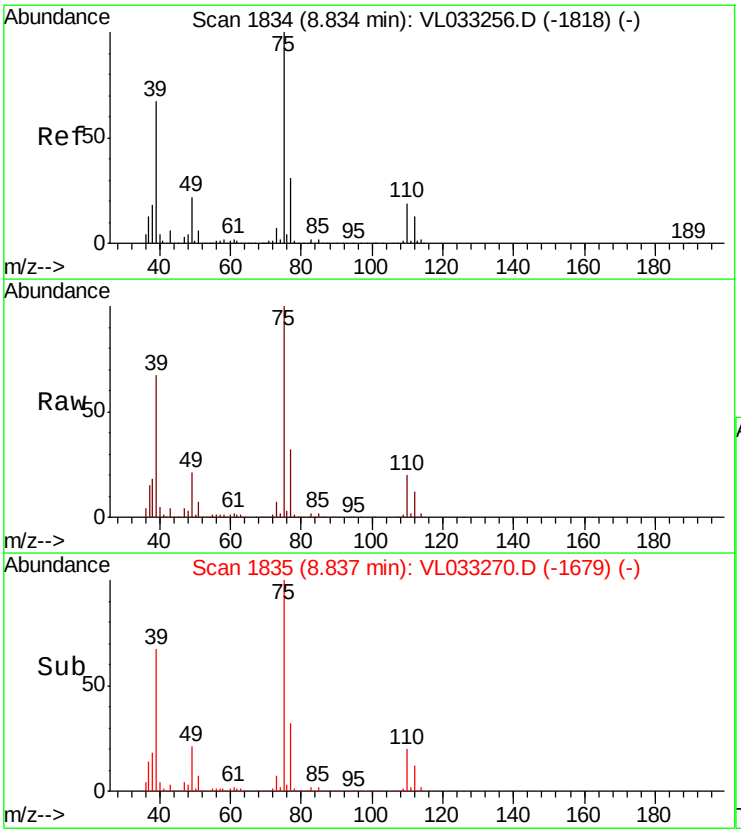
#45
t-1,3-Dichloropropene
Concen: 11.483 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 996325

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0

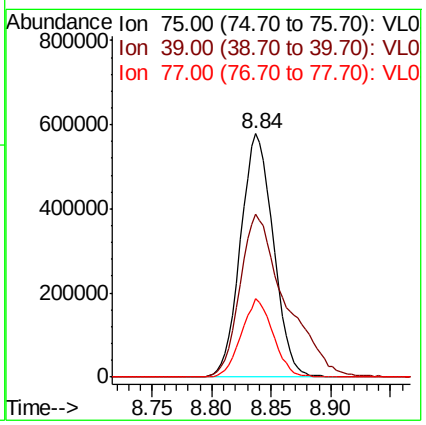


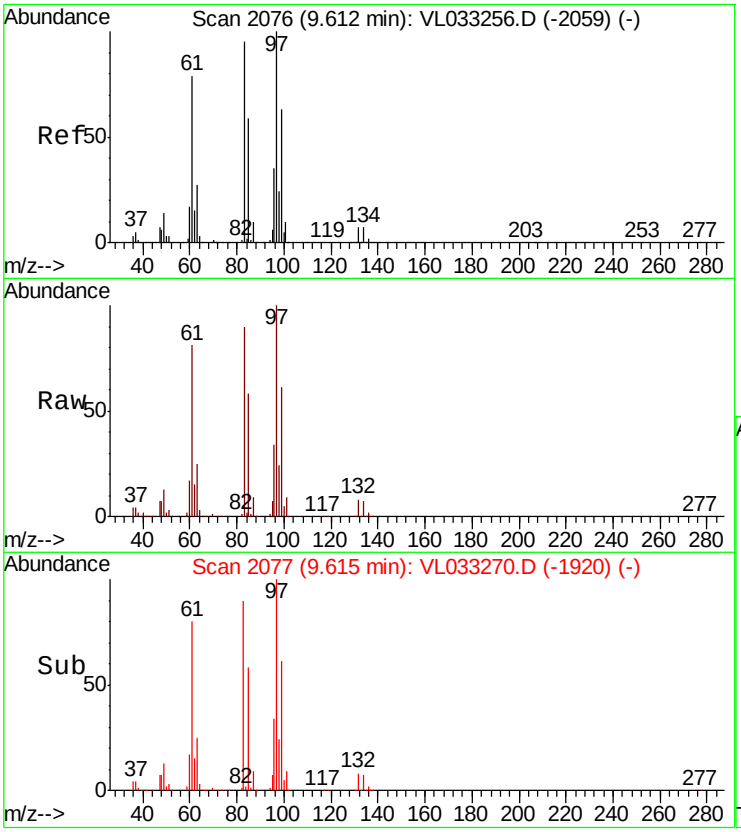


#46
cis-1,3-Dichloropropene
Concen: 10.839 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 75 Resp: 1106846

Ion	Ratio	Lower	Upper
75	100		
39	67.0	53.8	80.6
77	32.3	25.0	37.6



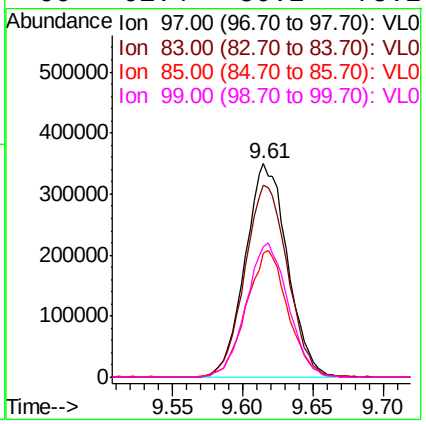


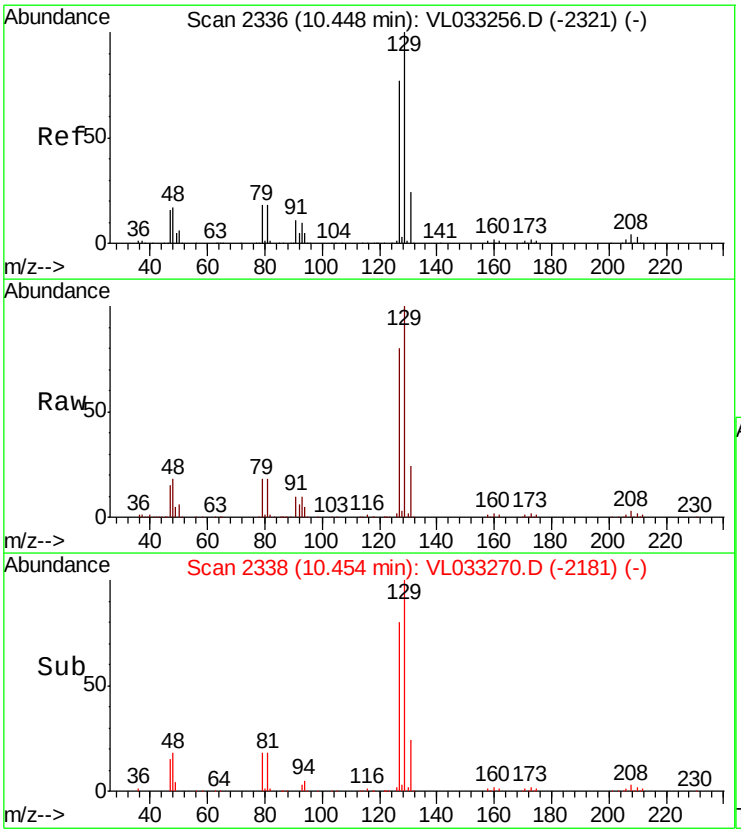
#47
1,1,2-Trichloroethane
Concen: 9.796 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 735095

Ion	Ratio	Lower	Upper
97	100		
83	90.0	75.8	113.8
85	58.2	47.5	71.3
99	61.4	50.2	75.2

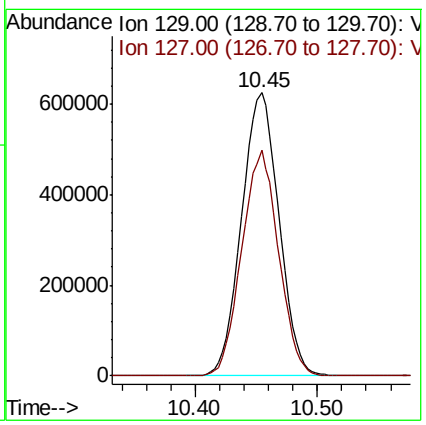


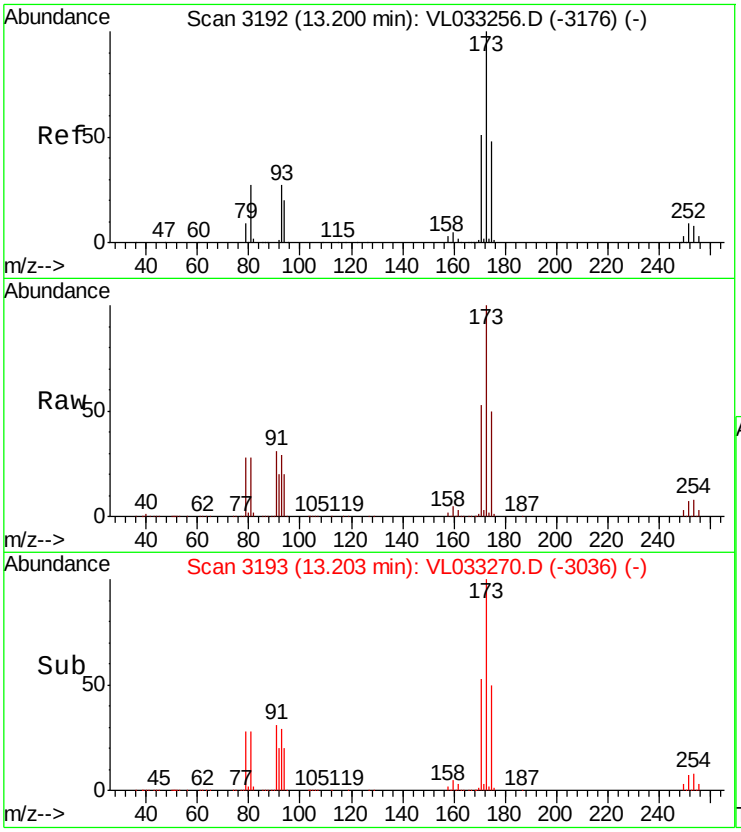


#48
Dibromochloromethane
Concen: 10.742 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:129 Resp: 1321452

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.4	118.2



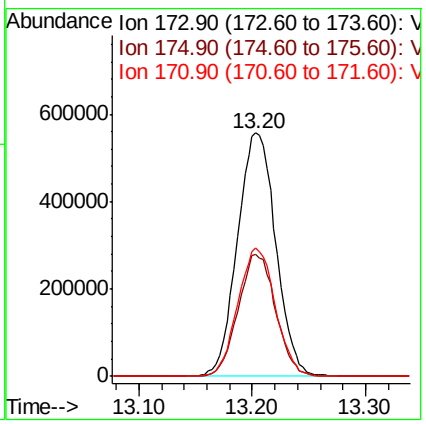


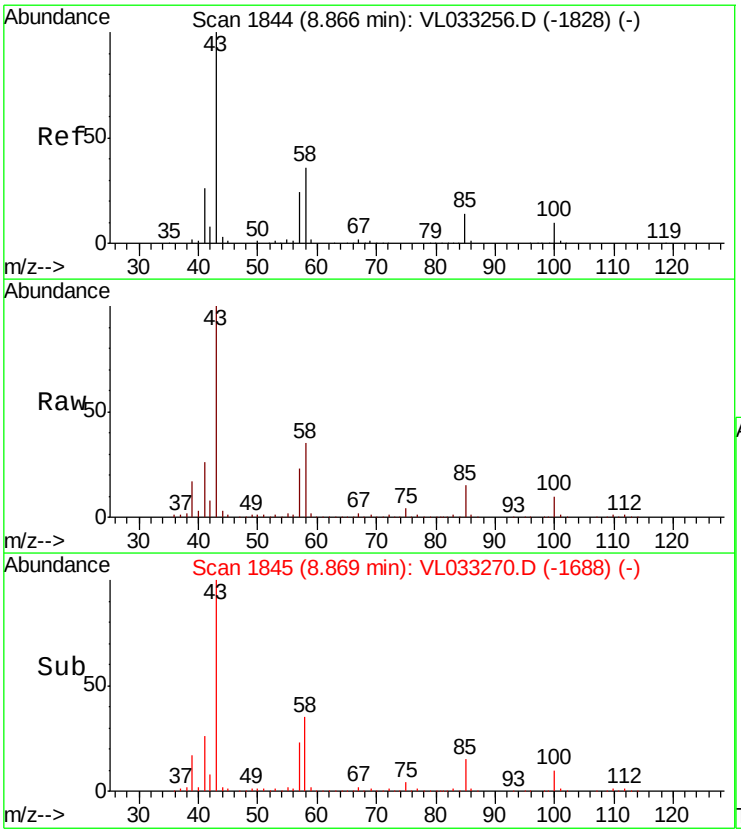
#49
Bromoform
Concen: 11.970 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1310567

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.8	58.2
171	51.9	41.5	62.3

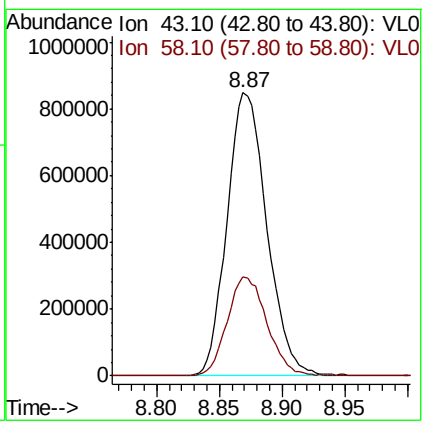


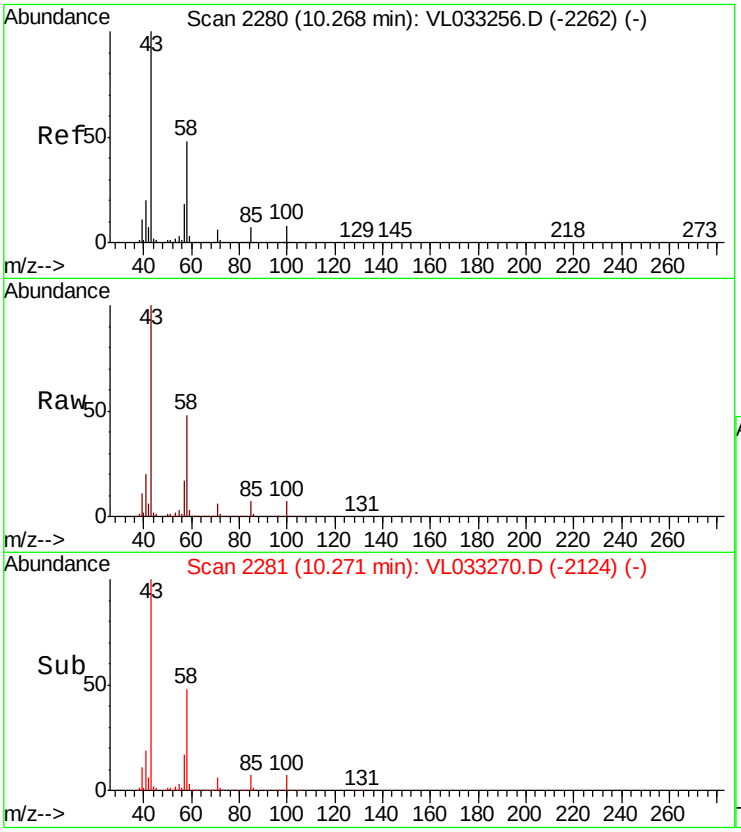


#50
4-Methyl-2-Pentanone
Concen: 9.887 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 43 Resp: 1870535

Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.1	42.1



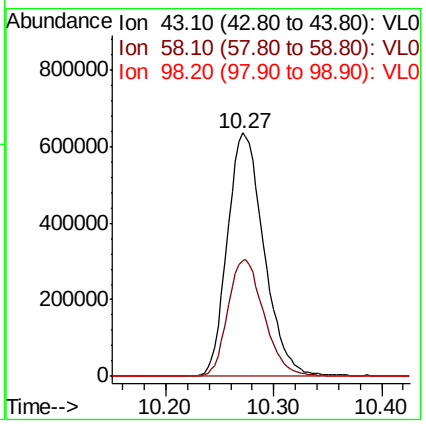


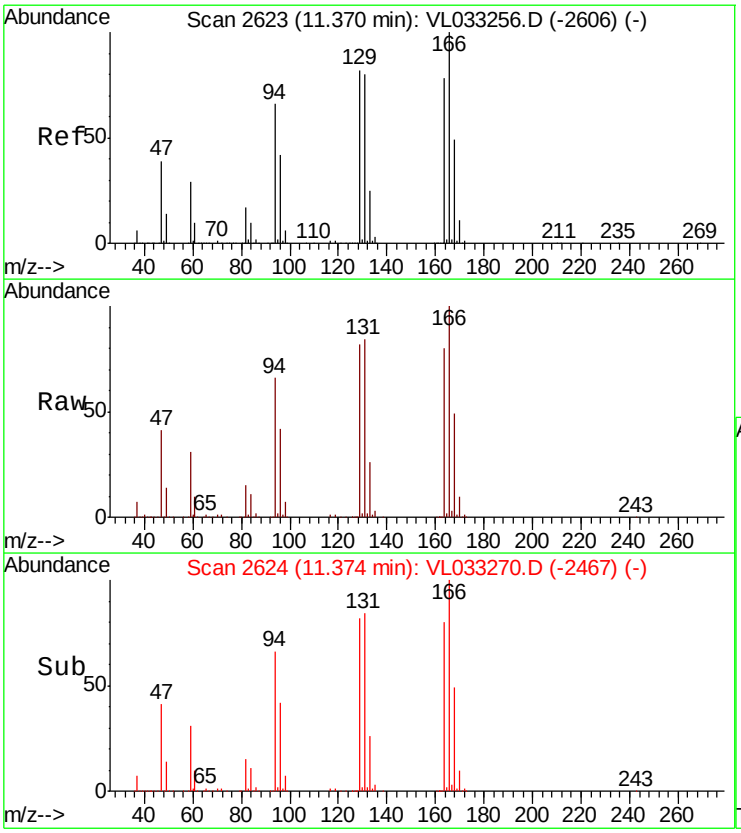
#51
2-Hexanone
Concen: 10.643 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1501050

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.1	57.1
98	0.1	0.2	0.4#

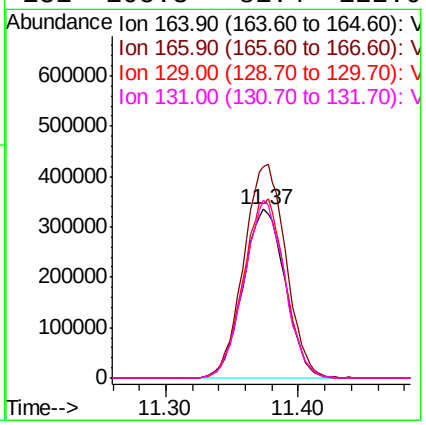


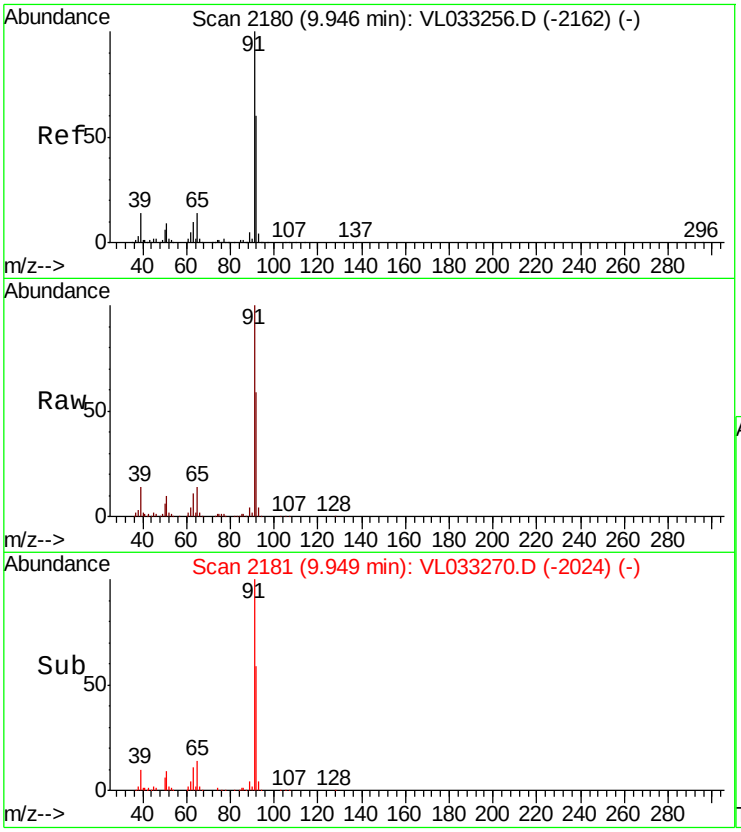


#52
Tetrachloroethene
Concen: 11.134 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:164 Resp: 738771

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.0	153.0
129	103.0	83.2	124.8
131	105.3	81.4	122.0



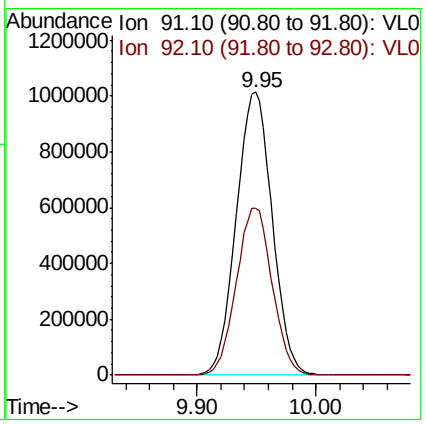


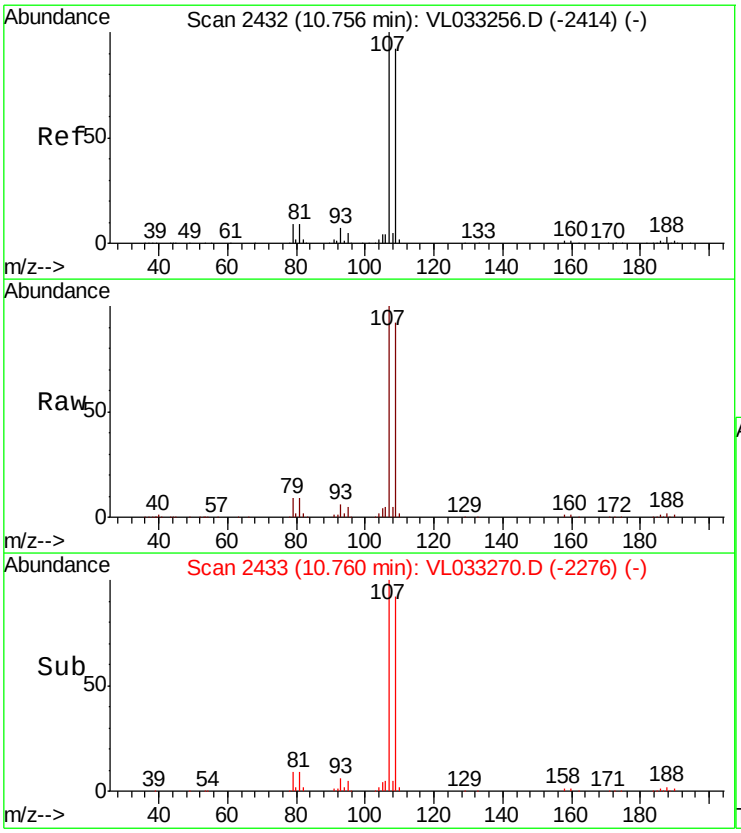
#53
Toluene
Concen: 10.400 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2121099

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.7	71.5

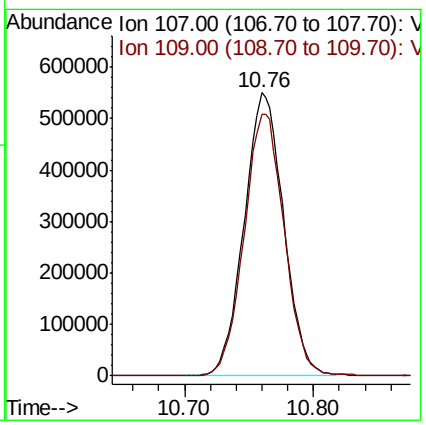


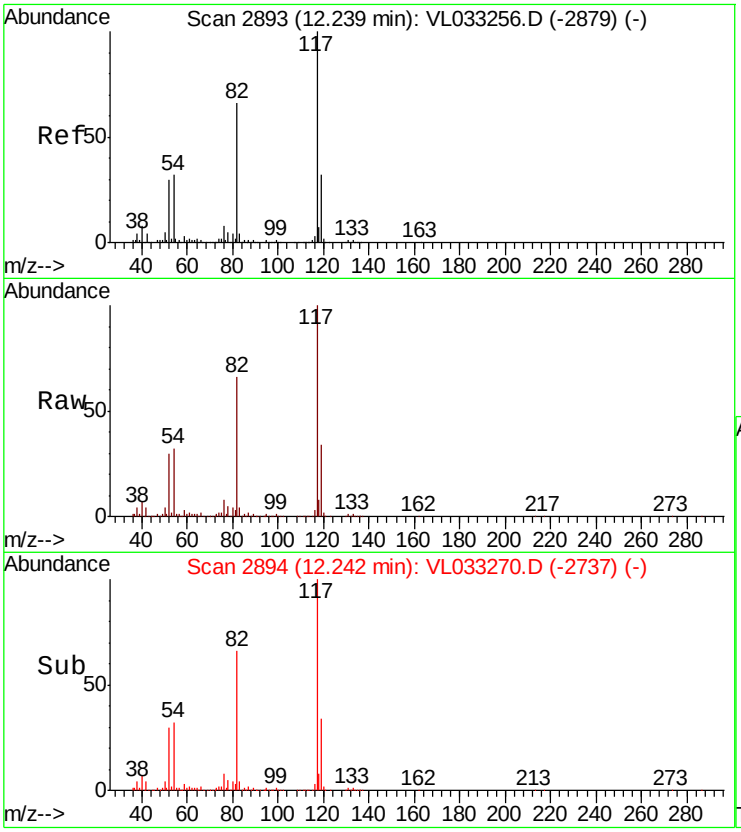


#54
1,2-Dibromoethane
Concen: 9.981 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:107 Resp: 1173160

Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.9	110.9



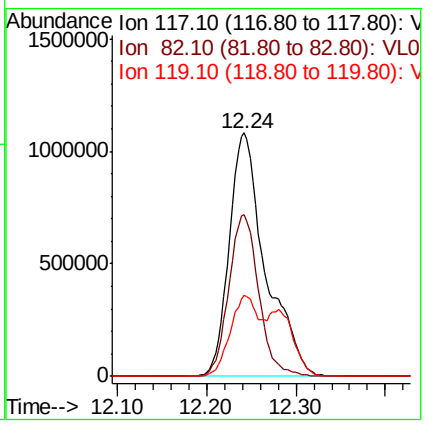


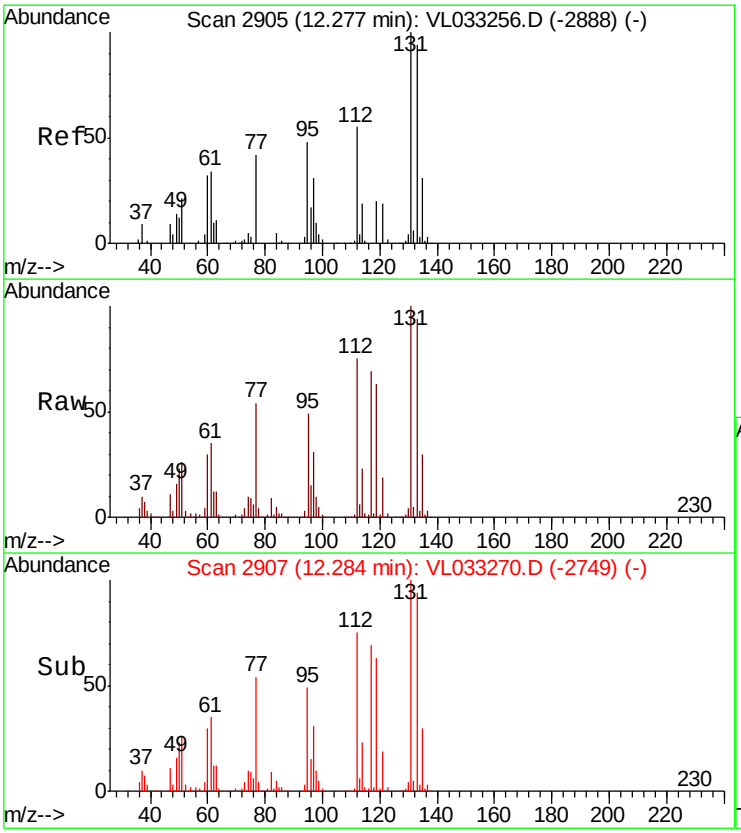
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 3053940

Ion	Ratio	Lower	Upper
117	100		
82	54.8	52.2	78.4
119	25.2	43.4	65.2#

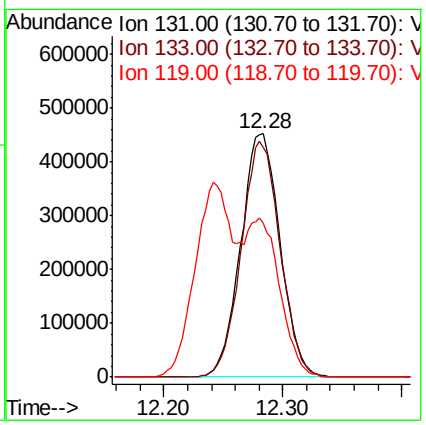


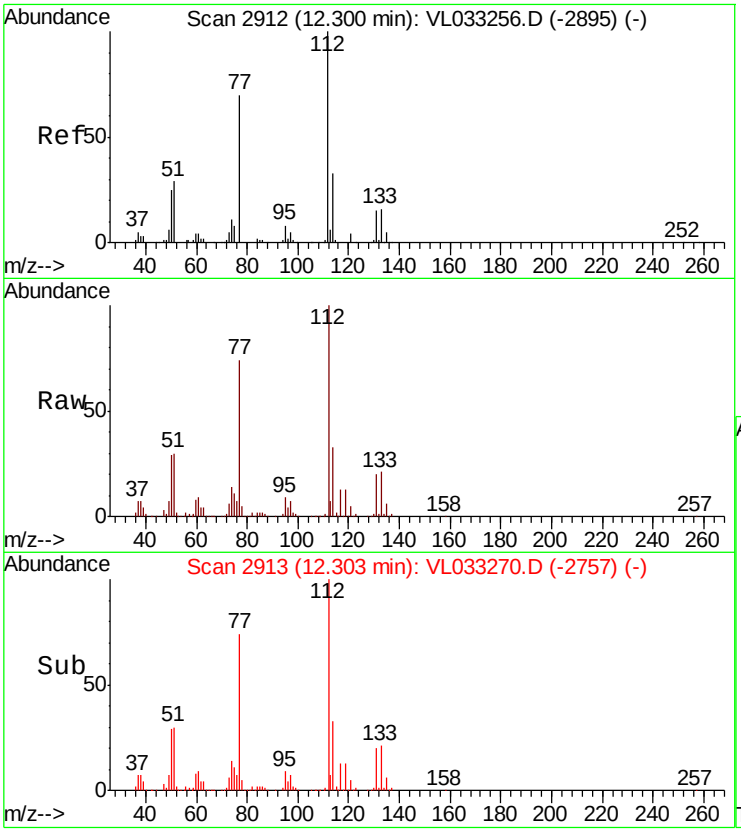


#56
1,1,1,2-Tetrachloroethane
Concen: 8.083 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:131 Resp: 1033353

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.3	114.5
119	62.3	109.2	163.8#



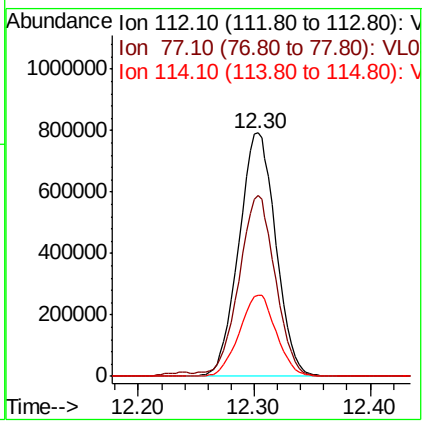


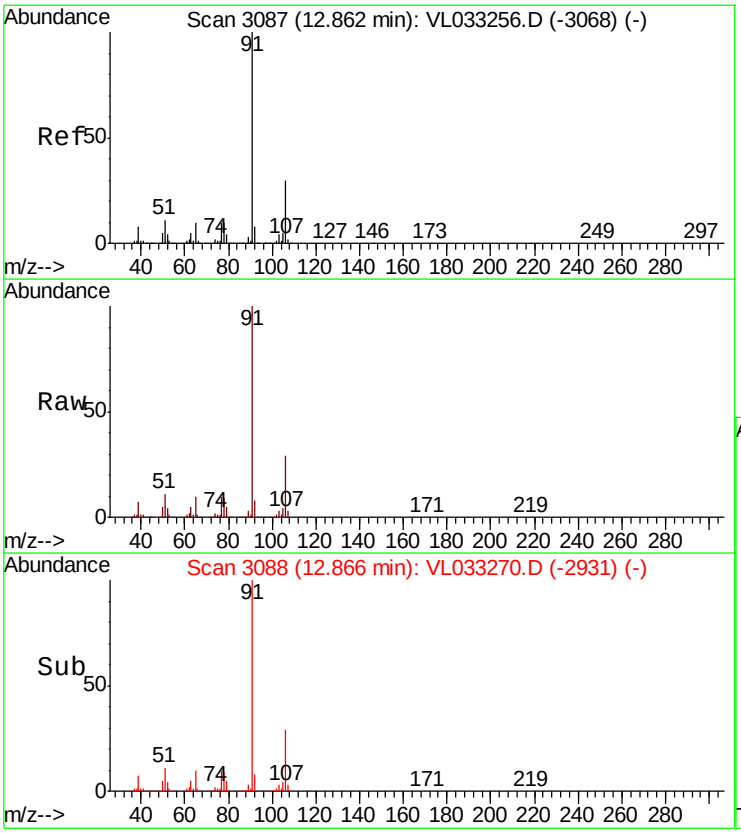
#57
Chlorobenzene
Concen: 7.837 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1755016

Ion	Ratio	Lower	Upper
112	100		
77	74.0	56.8	85.2
114	33.3	29.5	36.1

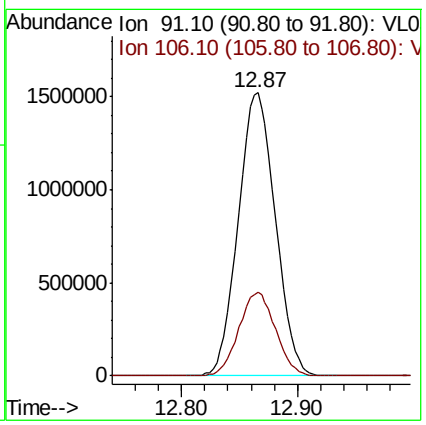


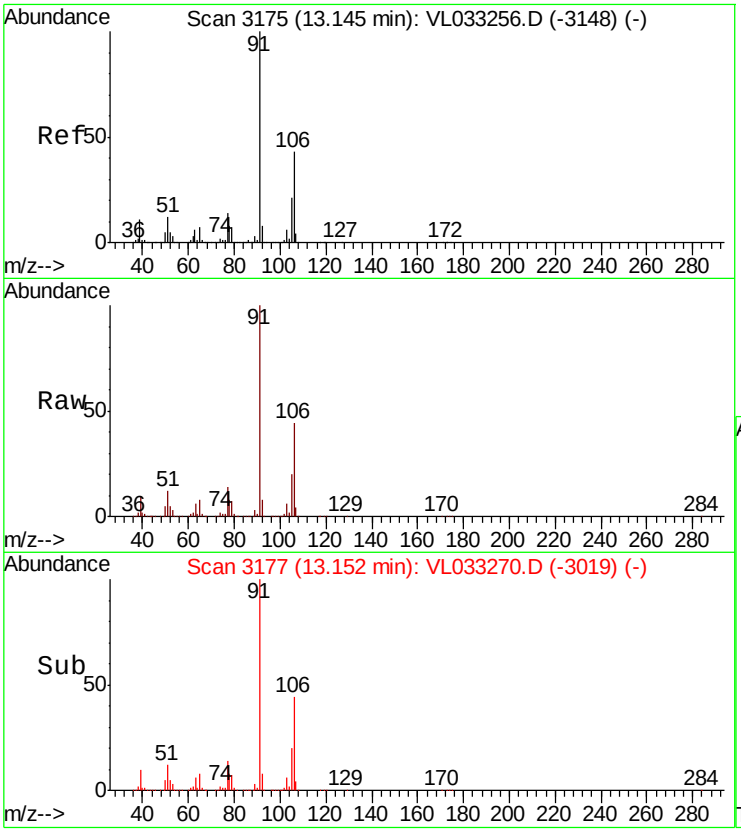


#58
Ethyl Benzene
Concen: 8.172 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 91 Resp: 3376976

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.7	35.5



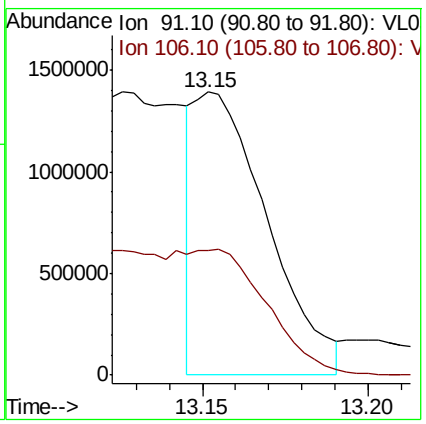


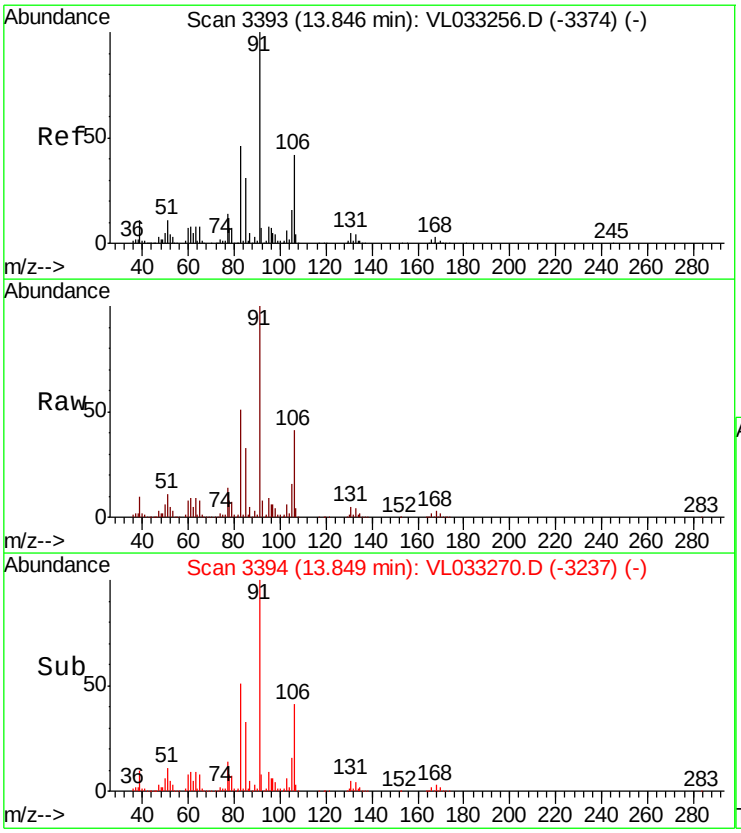
#59
m/p-Xylene
Concen: 5.634 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2107697

Ion	Ratio	Lower	Upper
91	100		
106	117.7	35.0	52.4#

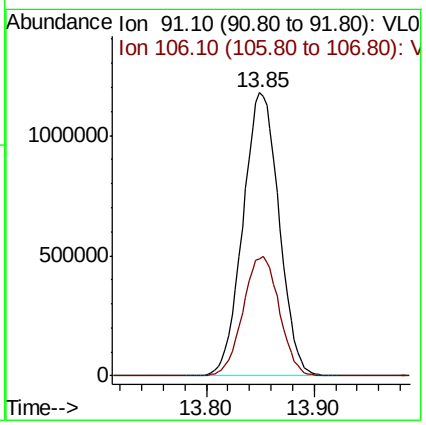


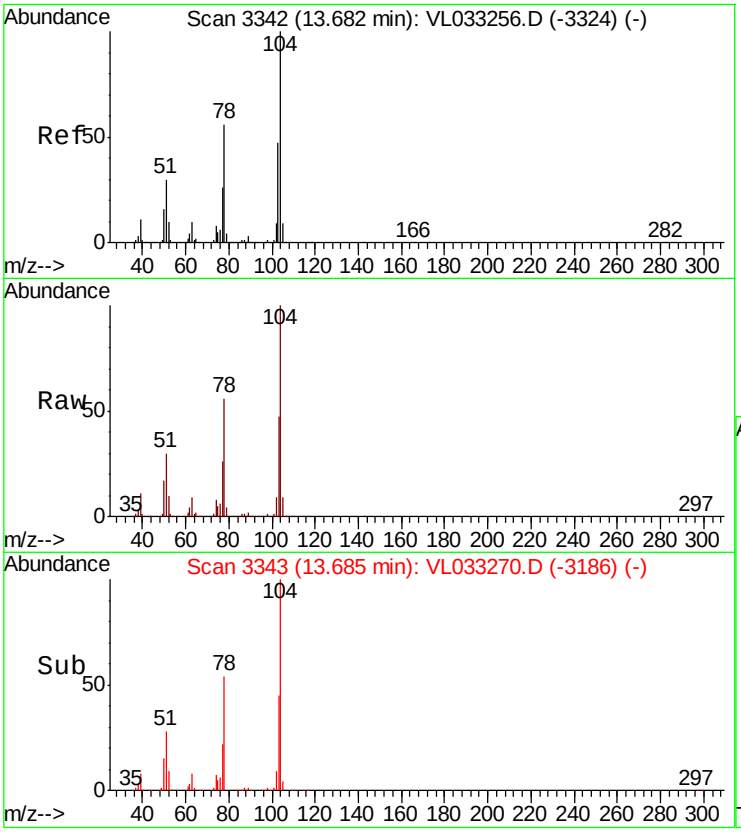


#60
o-Xylene
Concen: 7.563 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 91 Resp: 2739225

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.1	63.4



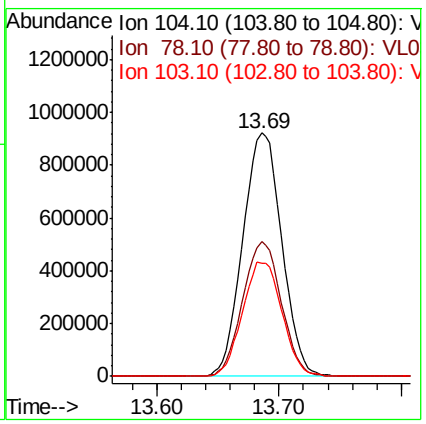


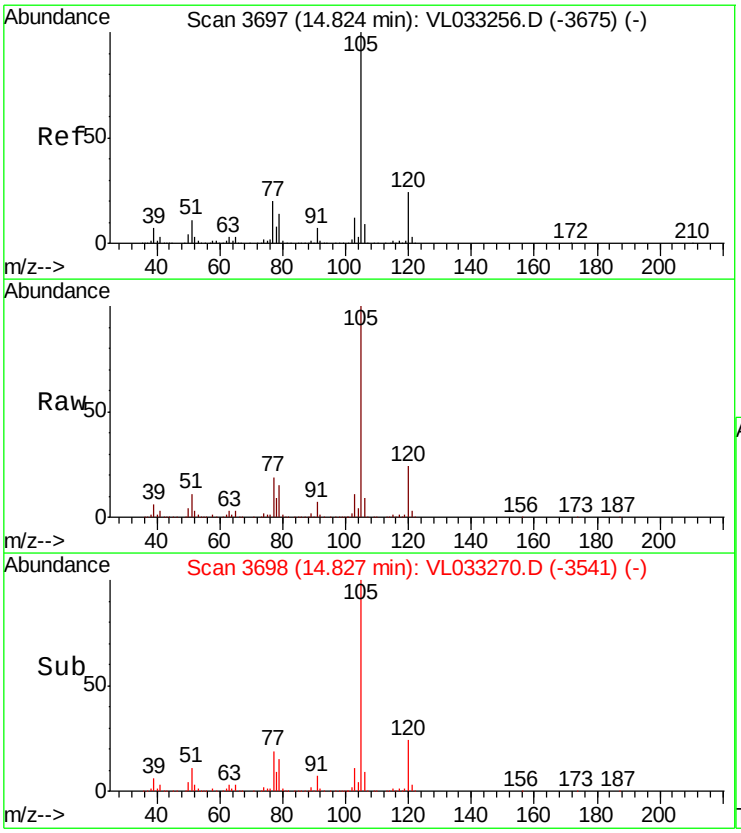
#61
Styrene
Concen: 8.260 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2035527

Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.9	65.9
103	47.6	38.3	57.5

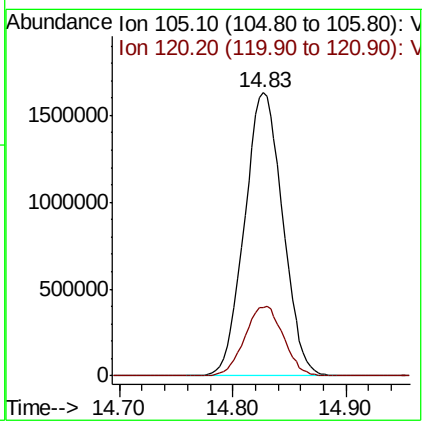


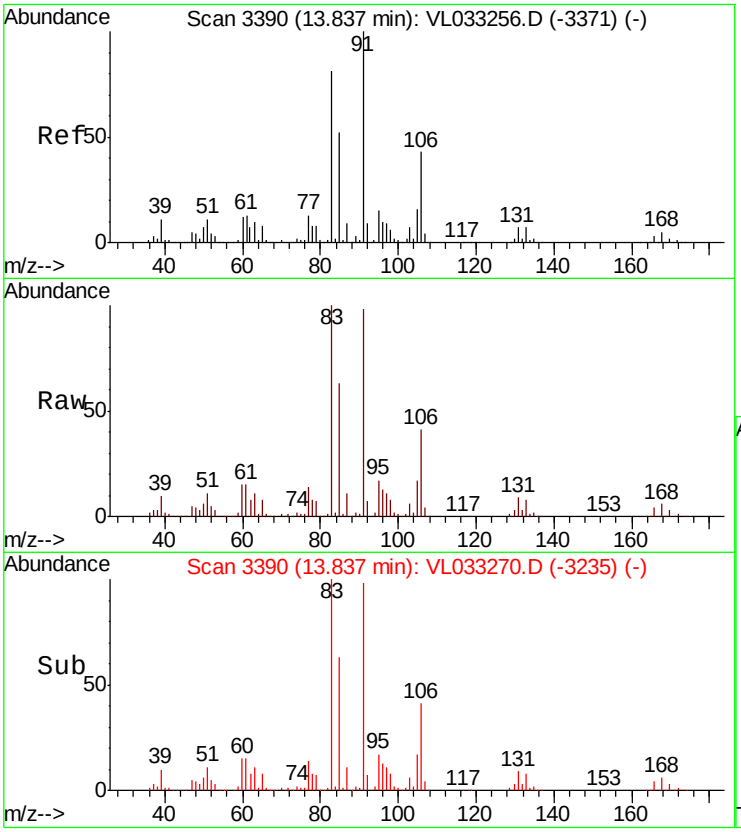


#62
Isopropylbenzene
Concen: 7.914 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:105 Resp: 3827712

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.7	29.5



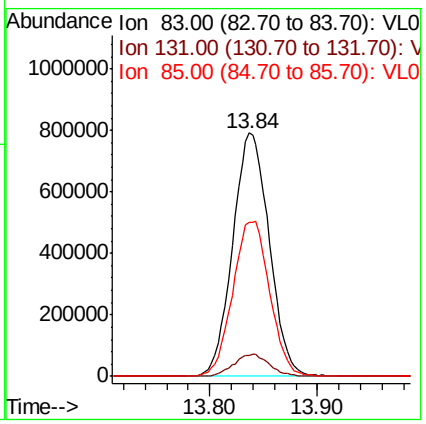


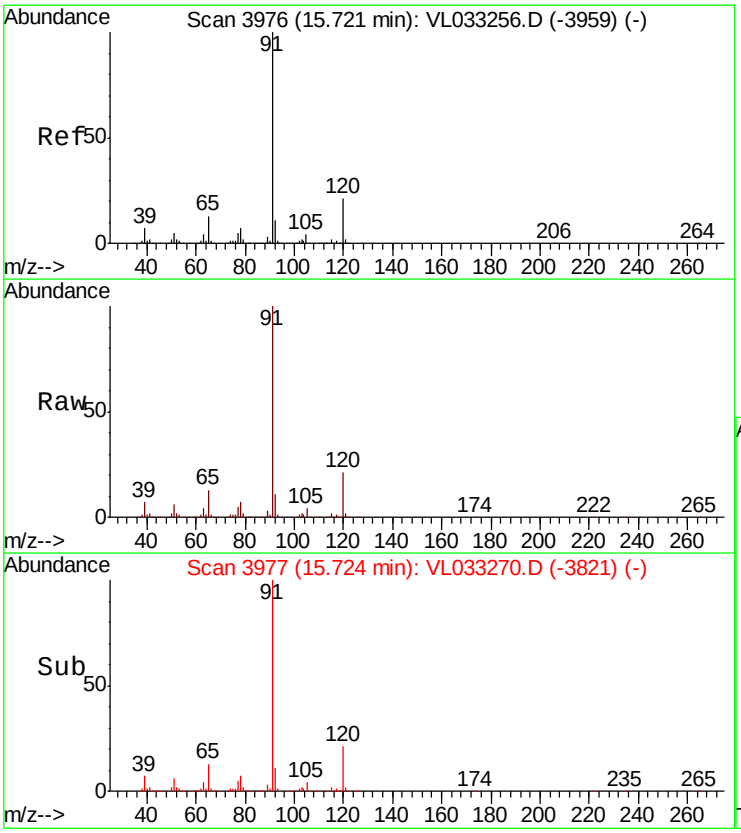
#63
1,1,2,2-Tetrachloroethane
Concen: 8.002 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 83 Resp: 1864365

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	64.5	32.4	97.0

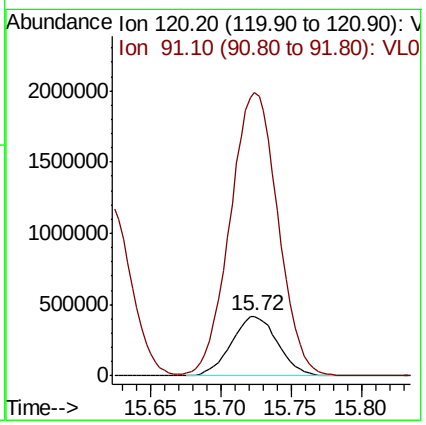


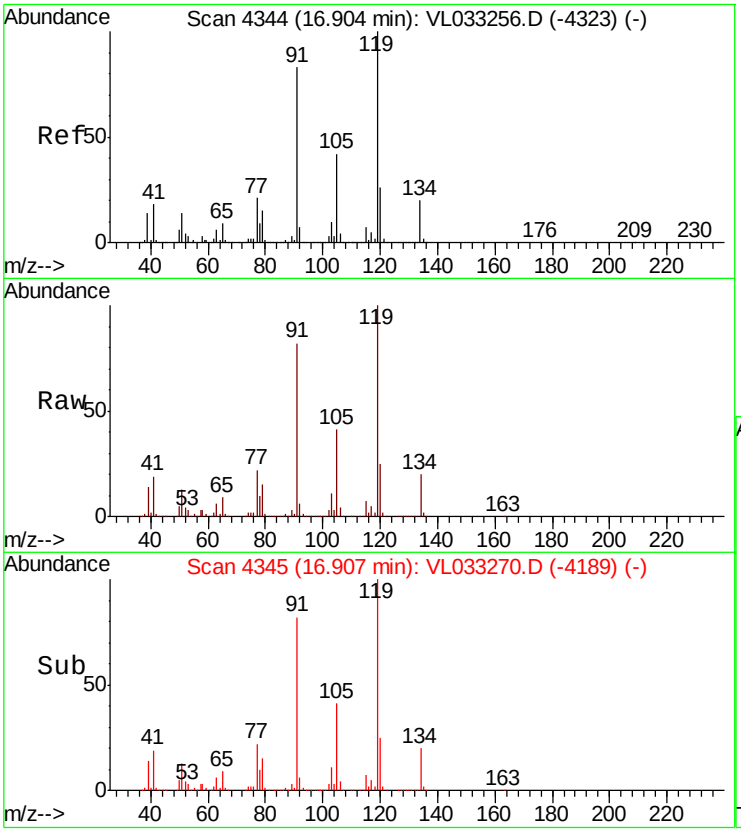


#64
n-propylbenzene
Concen: 8.135 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:120 Resp: 962100

Ion	Ratio	Lower	Upper
120	100		
91	491.7	392.8	589.2



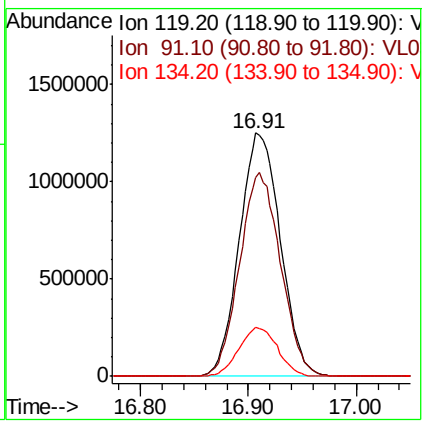


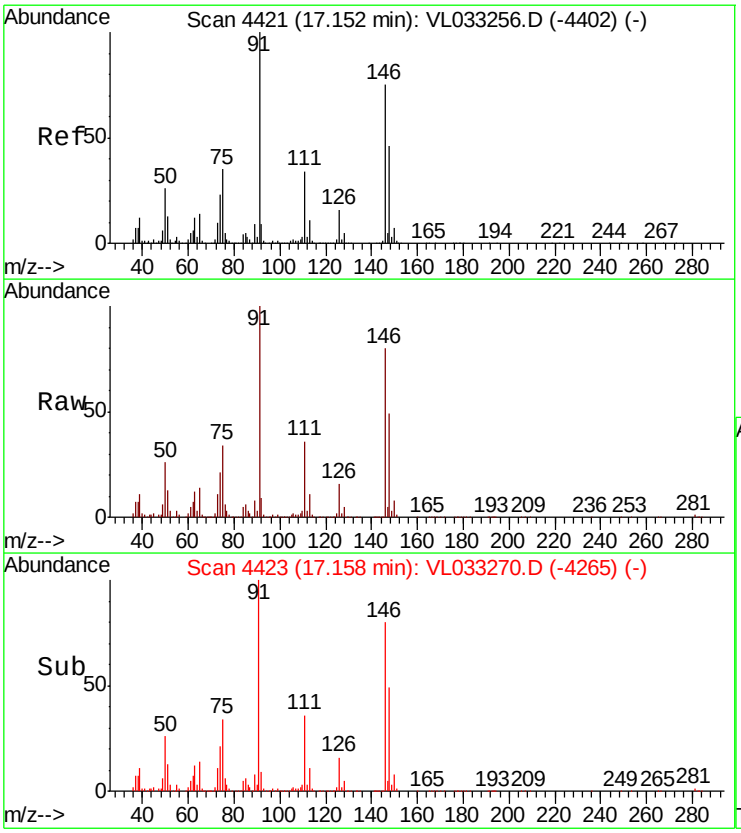
#65
tert-Butylbenzene
Concen: 8.119 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3302617

Ion	Ratio	Lower	Upper
119	100		
91	83.8	67.3	100.9
134	19.1	15.5	23.3

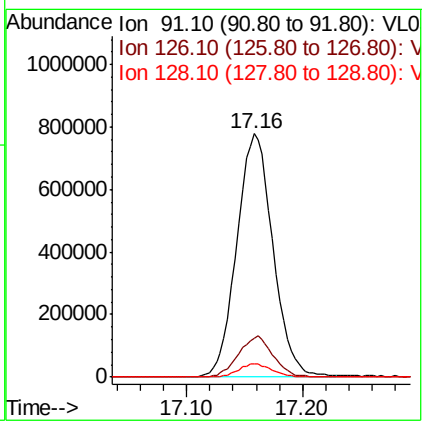


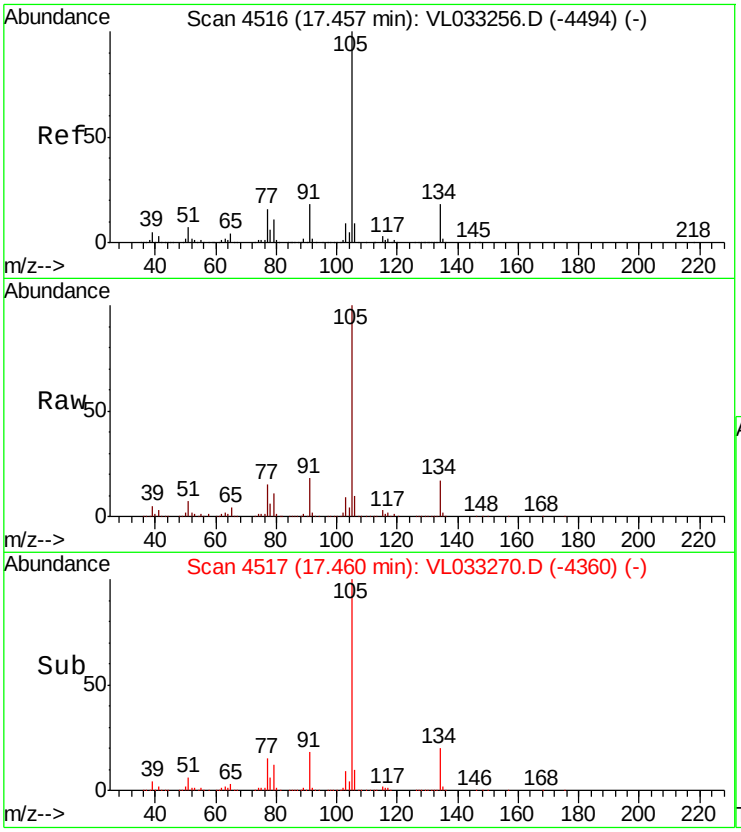


#66
Benzyl Chloride
Concen: 11.053 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 91 Resp: 1684631

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.0	19.6
128	5.2	4.2	6.2



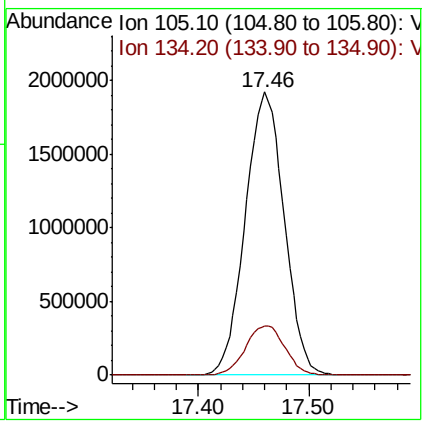


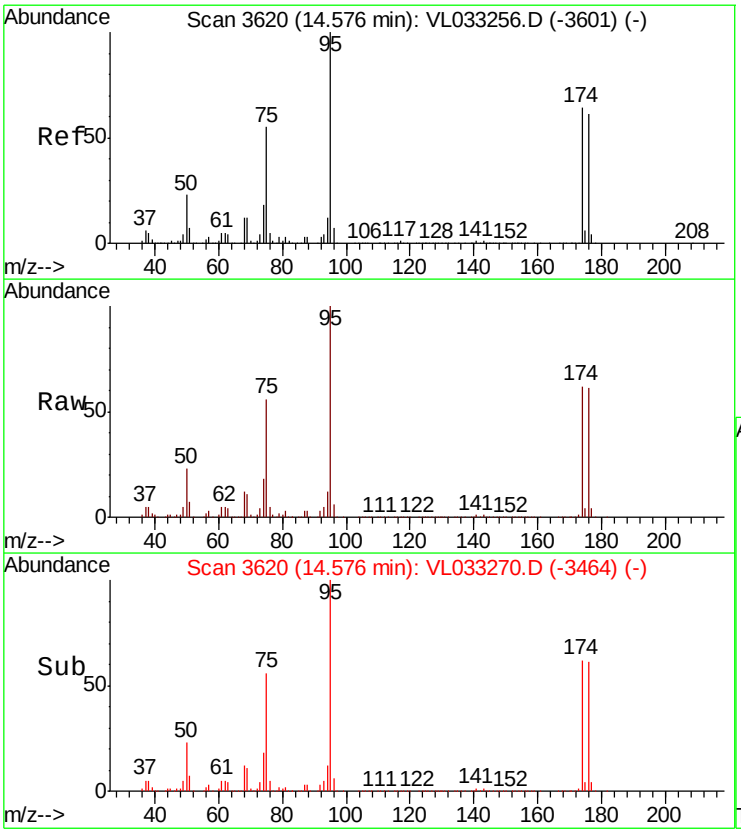
#67
sec-Butylbenzene
Concen: 8.119 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4695733

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.0	21.0

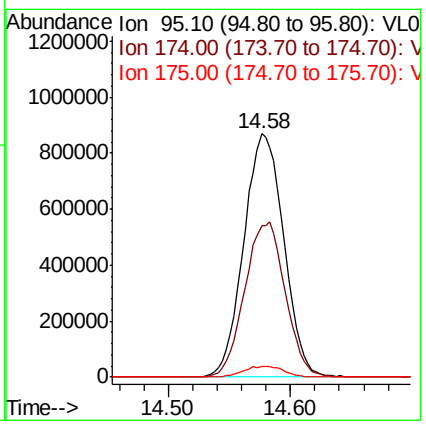


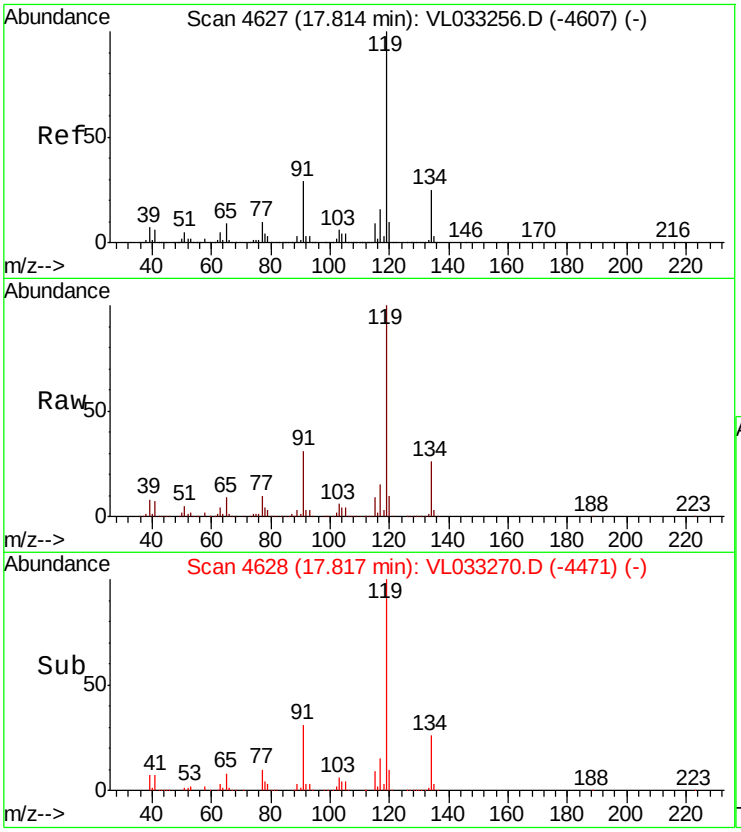


#68
1-Bromo-4-Fluorobenzene
Concen: 8.017 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 95 Resp: 1964984

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.7	77.5
175	4.6	3.8	5.8



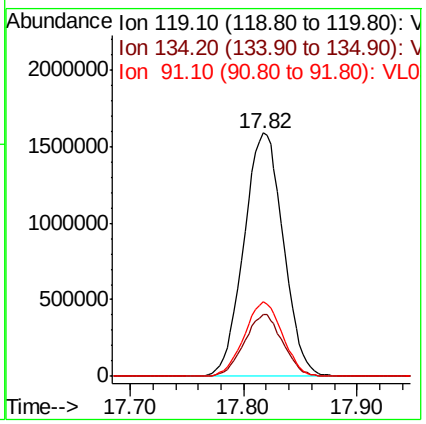


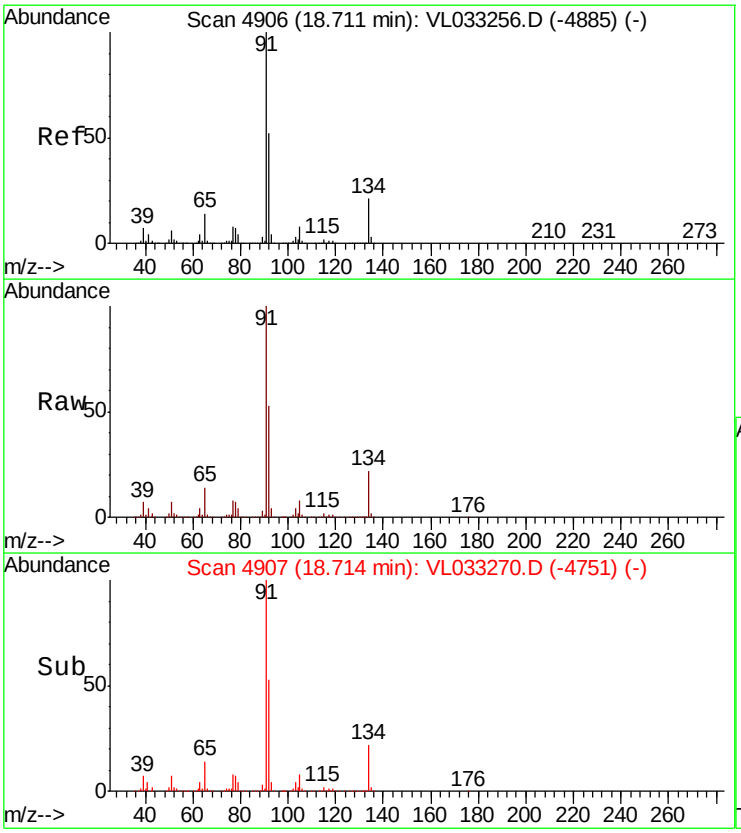
#69
p-Isopropyltoluene
Concen: 8.173 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3836144

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.8
91	30.0	23.9	35.9

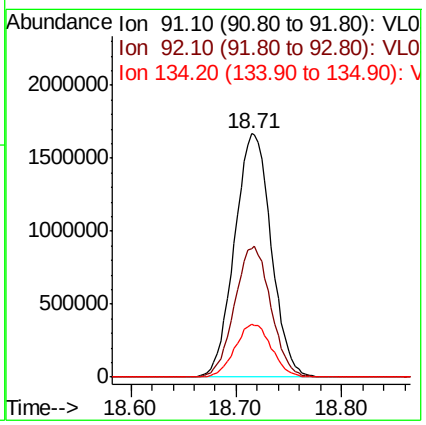


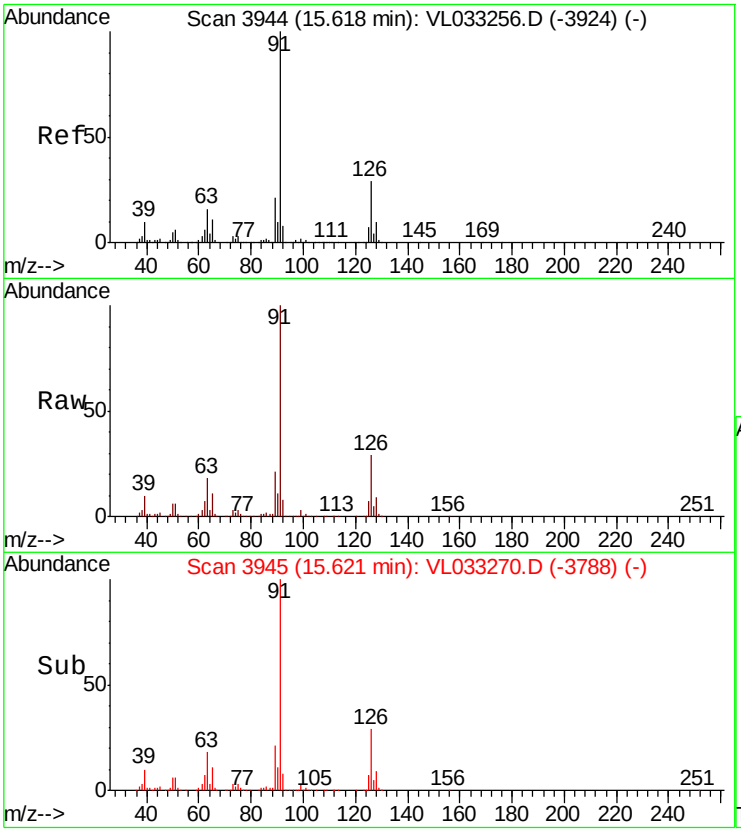


#70
n-Butylbenzene
Concen: 7.892 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion: 91 Resp: 4015164

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.6	63.8
134	21.7	17.3	25.9



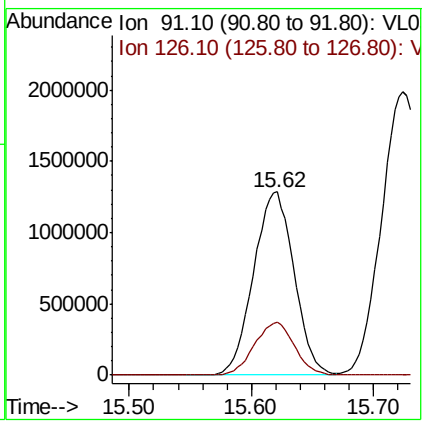


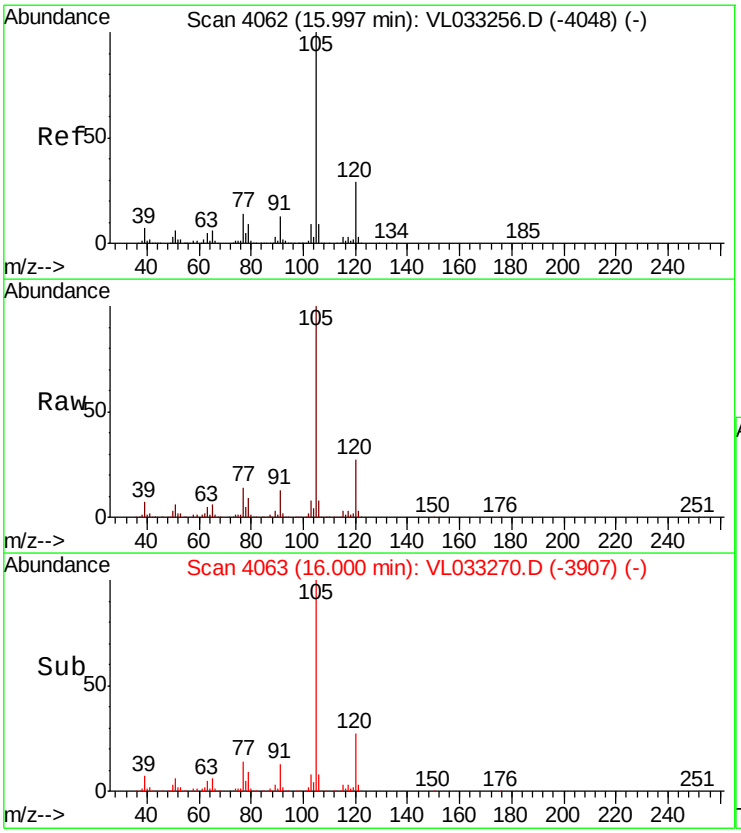
#71
2-Chlorotoluene
Concen: 8.186 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2962428

Ion	Ratio	Lower	Upper
91	100		
126	28.5	11.7	46.9

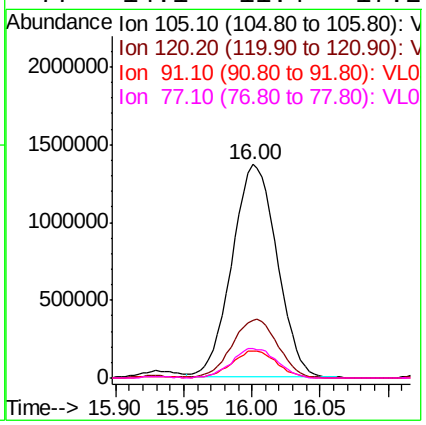


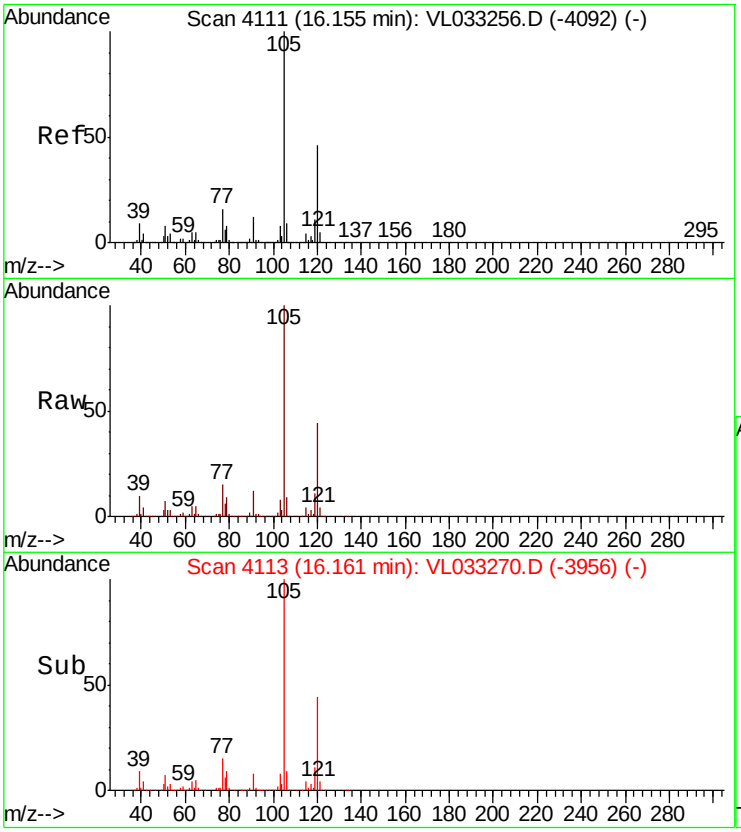


#72
4-Ethyltoluene
Concen: 8.340 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:105 Resp: 3145092

Ion	Ratio	Lower	Upper
105	100		
120	28.0	22.9	34.3
91	12.8	10.4	15.6
77	14.1	11.4	17.2



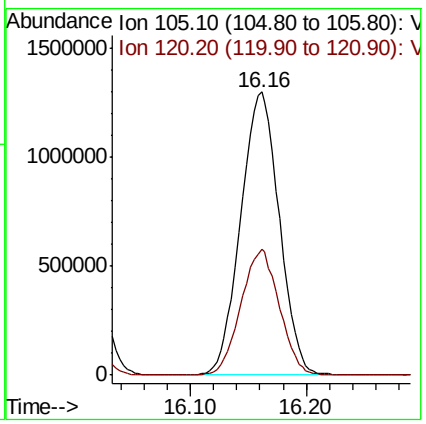


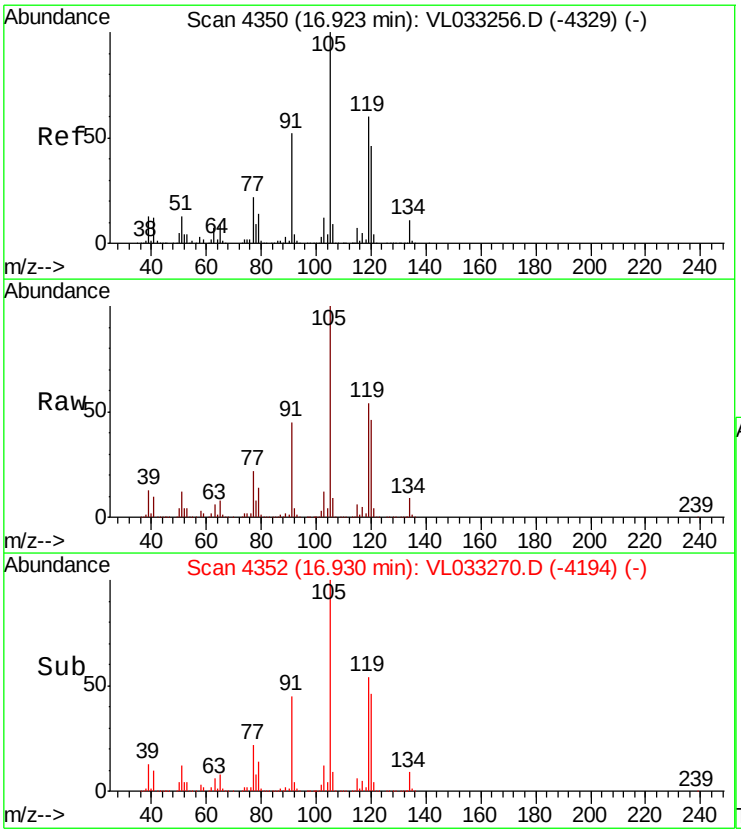
#73
1,3,5-Trimethylbenzene
Concen: 8.354 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3001740

Ion	Ratio	Lower	Upper
105	100		
120	44.5	36.6	55.0

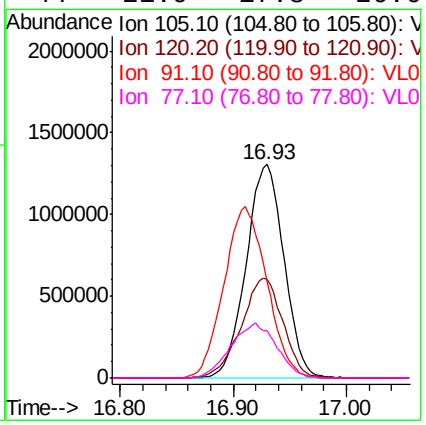


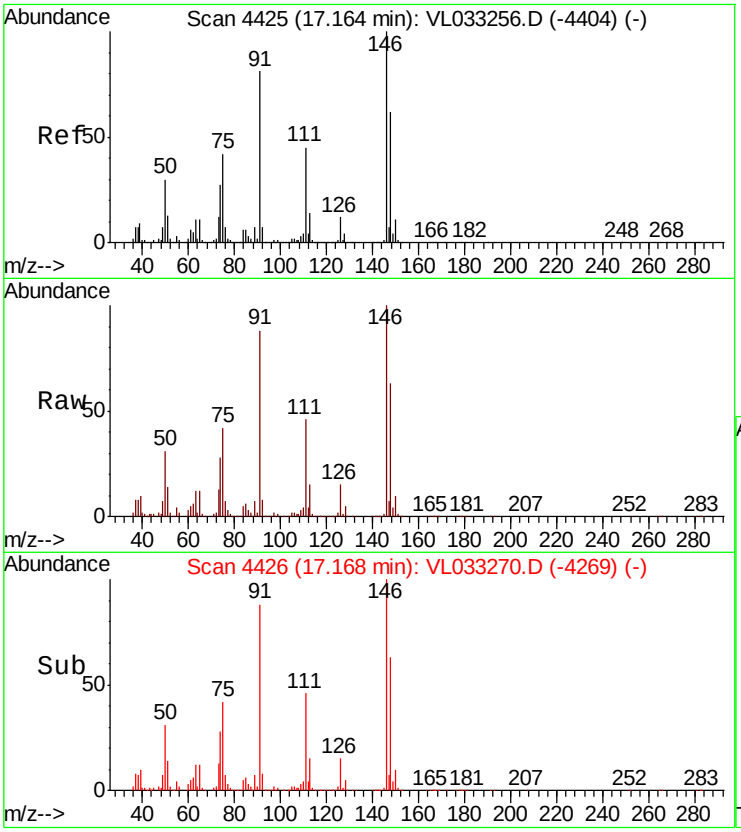


#74
1,2,4-Trimethylbenzene
Concen: 8.122 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:105 Resp: 3036773

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.7	55.1
91	45.0	42.1	63.1
77	21.9	17.8	26.6



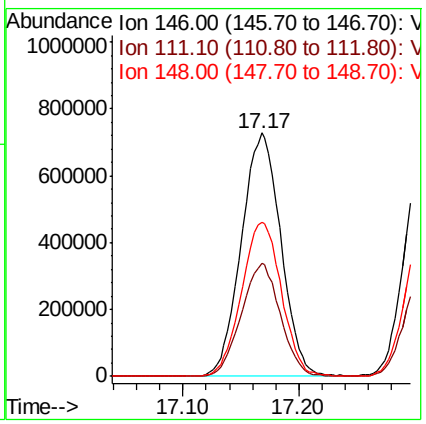


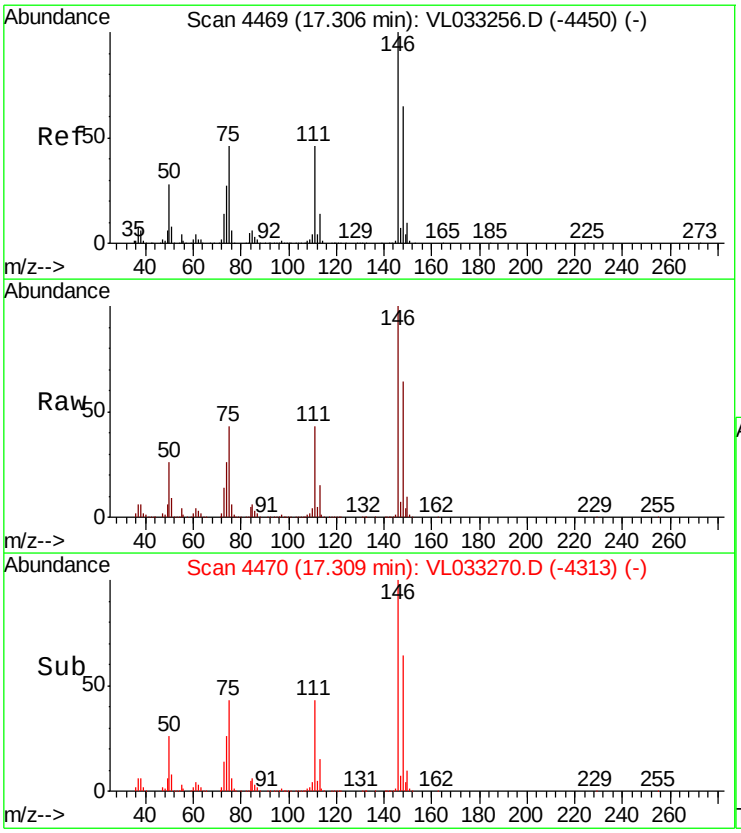
#75
1,3-Dichlorobenzene
Concen: 7.808 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1725269

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.9	68.7
148	63.8	31.6	94.7

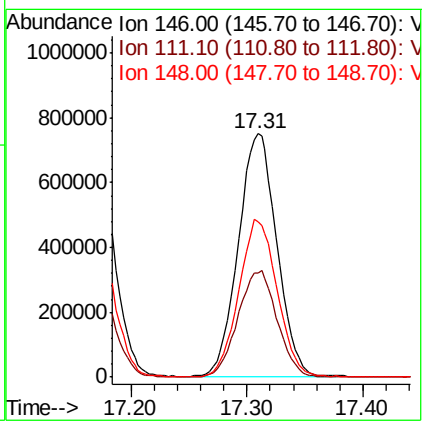


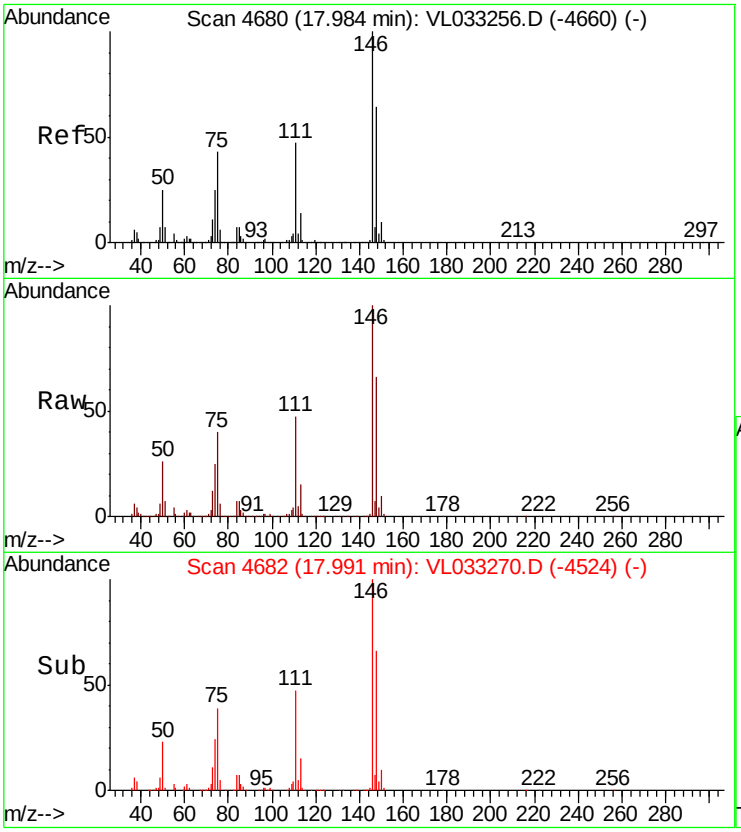


#76
1,4-Dichlorobenzene
Concen: 7.986 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:146 Resp: 1727906

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.6	67.7
148	64.8	32.3	96.9



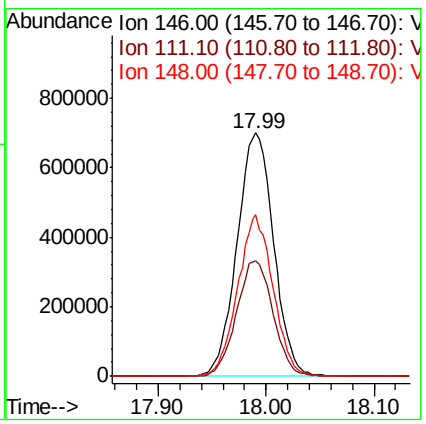


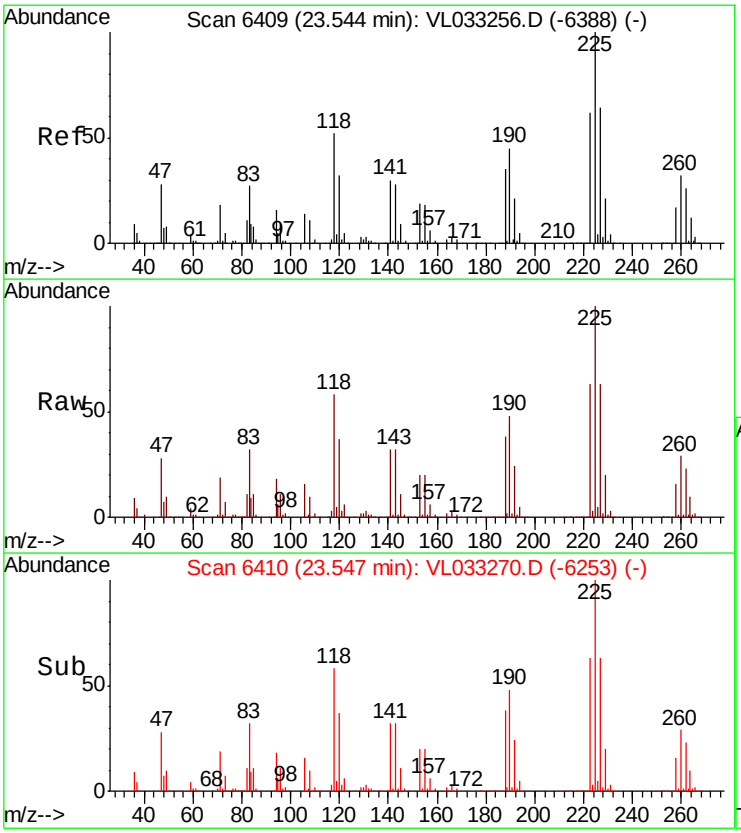
#77
1,2-Dichlorobenzene
Concen: 7.783 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.01 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1655561

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.8	71.2
148	63.9	32.0	96.2

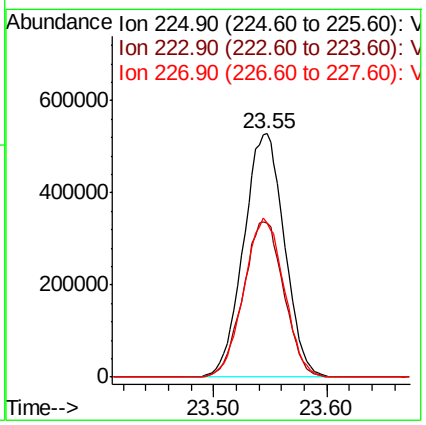


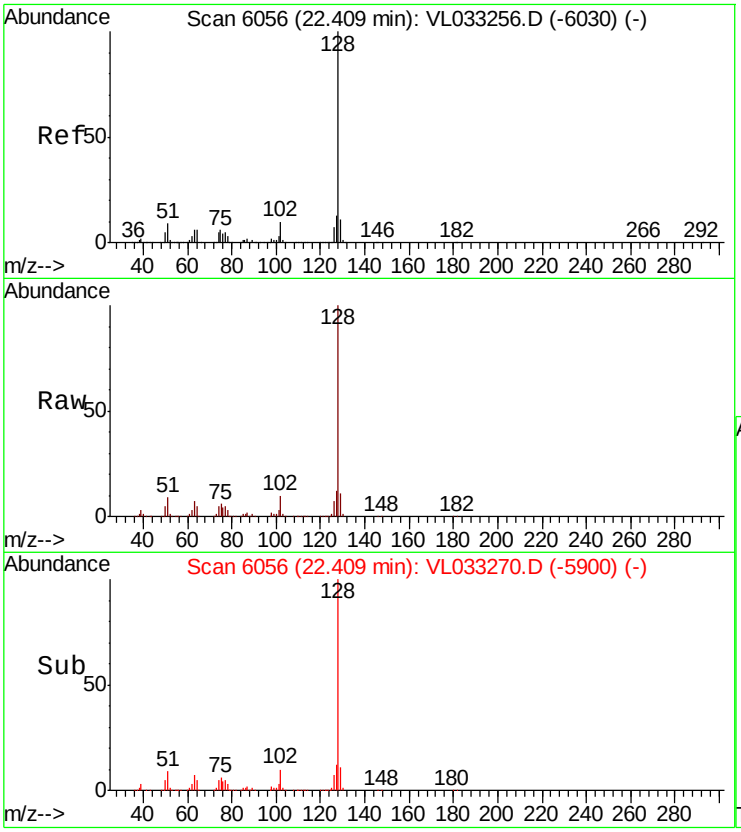


#78
Hexachloro-1,3-Butadiene
Concen: 8.218 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:225 Resp: 1324206

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.4	75.6
227	64.1	51.4	77.0



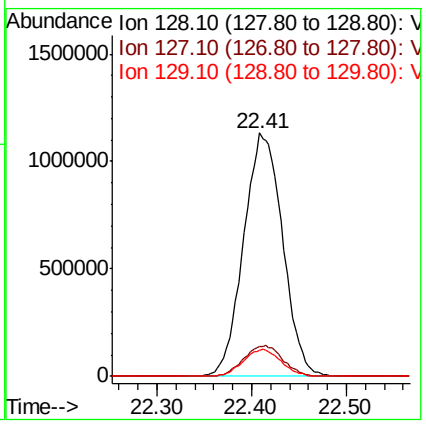


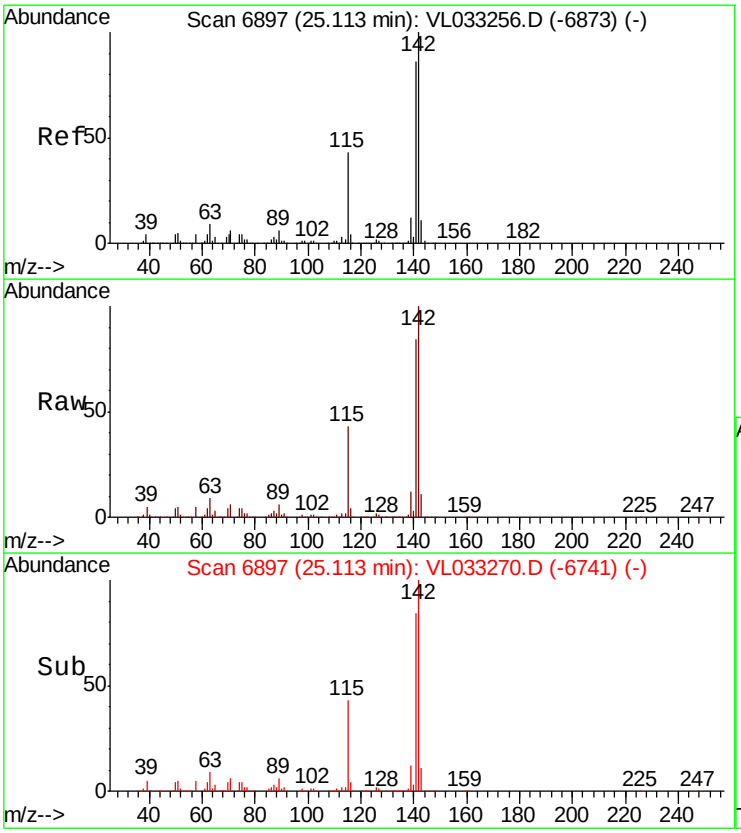
#79
Naphthalene
Concen: 7.941 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. -0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3237555

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.6	8.6	13.0

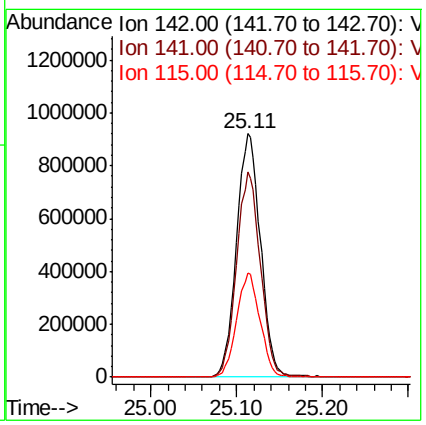


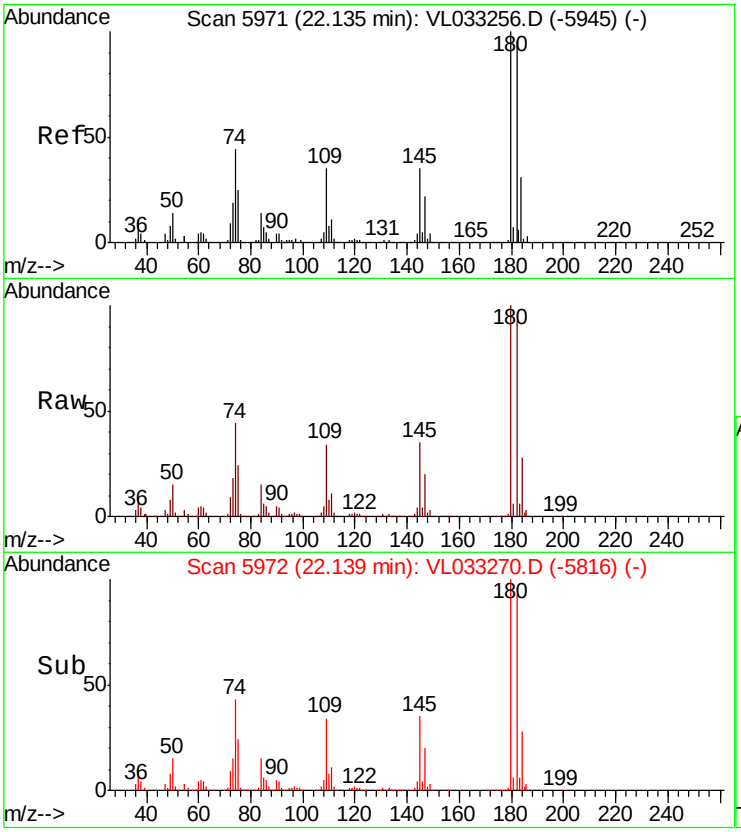


#80
Naphthalene,2-methyl-
Concen: 17.867 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Tgt Ion:142 Resp: 1782645

Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.6	101.4
115	41.8	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 7.324 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL033270.D
Acq: 9 Mar 2019 00:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1539912

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.3	24.6	36.8