Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

Quantitation Report (Not Reviewed)

Data File : VL034008.D
Acq On : 8 Jul 2019 11:05
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 09 03:46:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1091030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2763482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3115663	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	2436717	9.17	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1619993	7.195	ppbv	100
3) Chlorodifluoromethane	2.99	51	1191477	8.844	ppbv	99
4) Chloromethane	3.15	50	776308	10.021	ppbv	94
5) Vinyl Chloride	3.27	62	845206	9.703	ppbv	97
6) Bromomethane	3.49	94	529851	10.314	ppbv	95
7) Chloroethane	3.58	64	318569	10.232	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2143287	9.764	ppbv	100
9) Propene	3.01	41	458953	9.260	ppbv	97
10) Heptane	8.21	43	1299278	10.470	ppbv	100
11) Trichlorofluoromethane	3.98	101	2296634	9.071	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1665390	9.293	ppbv	99
13) Ethanol	3.63	45	132001	8.573	ppbv	98
14) Bromoethene	3.76	108	712700	10.650	ppbv	99
15) Acetone	3.88	43	1546695	8.432	ppbv	97
16) 1,3-Butadiene	3.34	39	690018	10.653	ppbv	99
17) tert-Butyl alcohol	4.33	59	1385490	9.474	ppbv	99
18) 1,1-Dichloroethene	4.32	96	786349	9.852	ppbv	98
19) Isopropyl Alcohol	3.99	45	1079708	8.769	ppbv	99
20) Methylene Chloride	4.38	84	667839	8.348	ppbv	95
21) Allyl Chloride	4.45	41	1150901	10.063	ppbv	98
22) trans-1,2-Dichloroethene	4.93	96	788083	10.362	ppbv	96
23) Vinyl Acetate	5.12	43	1999767	10.922	ppbv	99
24) 1,1-Dichloroethane	5.06	63	1596702	9.840	ppbv	99
25) Ethyl Acetate	5.74	43	2580927	10.287	ppbv	99
26) Hexane	5.75	57	1184059	10.313	ppbv	98
27) Carbon Disulfide	4.59	76	2033291	10.417	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	2072001	10.657	ppbv	100
29) Chloroform	5.82	83	2031766	9.417	ppbv	99
30) Cyclohexane	7.21	84	997587	11.251	ppbv	95
31) cis-1,2-Dichloroethene	5.61	61	1210724	10.915	ppbv	96
32) 1,1,1-Trichloroethane	6.59	97	2024416	9.257	ppbv	99
34) 2-Butanone	5.30	43	1554342	10.628	ppbv	99
35) Carbon Tetrachloride	7.10	117	2197032	10.043	ppbv	98
36) Benzene	6.97	78	2373418	10.976	ppbv	98
37) 1,2-Dichloroethane	6.38	62	1560983	9.799	ppbv	100
38) Trichloroethene	7.92	130	1037109	10.779	ppbv	97
39) 1,2-Dichloropropane	7.70	63	847491	10.540	ppbv	94
40) 1,4-Dioxane	7.92	88	377025	10.156	ppbv #	96
41) Tetrahydrofuran	6.12	42	817177	11.393	ppbv	99
42) Bromodichloromethane	7.88	83	2233876	10.451	ppbv	97
43) Methyl Methacrylate	8.10	69	956622	11.660	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

Quantitation Report (Not Reviewed)

Data File : VL034008.D
Acq On : 8 Jul 2019 11:05
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 09 03:46:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	3932945	10.537	ppbv		99
45) t-1,3-Dichloropropene	9.38	75	1353588	12.617	ppbv		97
46) cis-1,3-Dichloropropene	8.80	75	1481851	11.926	ppbv		94
47) 1,1,2-Trichloroethane	9.58	97	1075925	10.643	ppbv		94
48) Dibromochloromethane	10.42	129	1958088	10.150	ppbv		100
49) Bromoform	13.16	173	1853404	11.246	ppbv		99
50) 4-Methyl-2-Pentanone	8.83	43	2346143	10.810	ppbv		100
51) 2-Hexanone	10.23	43	1963575	11.219	ppbv	#	100
52) Tetrachloroethene	11.33	164	1016134	10.918	ppbv		98
53) Toluene	9.91	91	2977137	12.028	ppbv		99
54) 1,2-Dibromoethane	10.72	107	1672916	11.213	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.25	131	1336074	9.595	ppbv		99
57) Chlorobenzene	12.26	112	2343379	9.447	ppbv		97
58) Ethyl Benzene	12.83	91	4086656	10.907	ppbv		97
59) m/p-Xylene	13.11	91	3194684	9.417	ppbv	#	21
60) o-Xylene	13.81	91	3601805	10.613	ppbv		100
61) Styrene	13.65	104	2727398	12.143	ppbv		99
62) Isopropylbenzene	14.79	105	4837241	9.272	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.80	83	2501696	9.523	ppbv		100
64) n-propylbenzene	15.68	120	1231192	9.100	ppbv		98
65) tert-Butylbenzene	16.87	119	4122009	9.291	ppbv		99
66) Benzyl Chloride	17.12	91	2313674	10.193	ppbv		100
67) sec-Butylbenzene	17.42	105	5767941	9.262	ppbv		100
69) p-Isopropyltoluene	17.78	119	4795864	9.341	ppbv		100
70) n-Butylbenzene	18.68	91	4957409	9.191	ppbv		99
71) 2-Chlorotoluene	15.58	91	3649054	9.557	ppbv		99
72) 4-Ethyltoluene	15.96	105	3972310	9.114	ppbv		99
73) 1,3,5-Trimethylbenzene	16.12	105	3792959	9.353	ppbv		98
74) 1,2,4-Trimethylbenzene	16.89	105	4009443	8.927	ppbv		96
75) 1,3-Dichlorobenzene	17.13	146	2378527	8.337	ppbv		100
76) 1,4-Dichlorobenzene	17.27	146	2378135	8.850	ppbv		100
77) 1,2-Dichlorobenzene	17.95	146	2289763	8.667	ppbv		99
78) Hexachloro-1,3-Butadiene	23.51	225	2240545	9.967	ppbv		99
79) Naphthalene	22.37	128	3755157	9.944	ppbv		99
80) Naphthalene,2-methyl-	25.08	142	2119450	15.424	ppbv		97
81) 1,2,4-Trichlorobenzene	22.09	180	2233316	9.209	ppbv		100

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

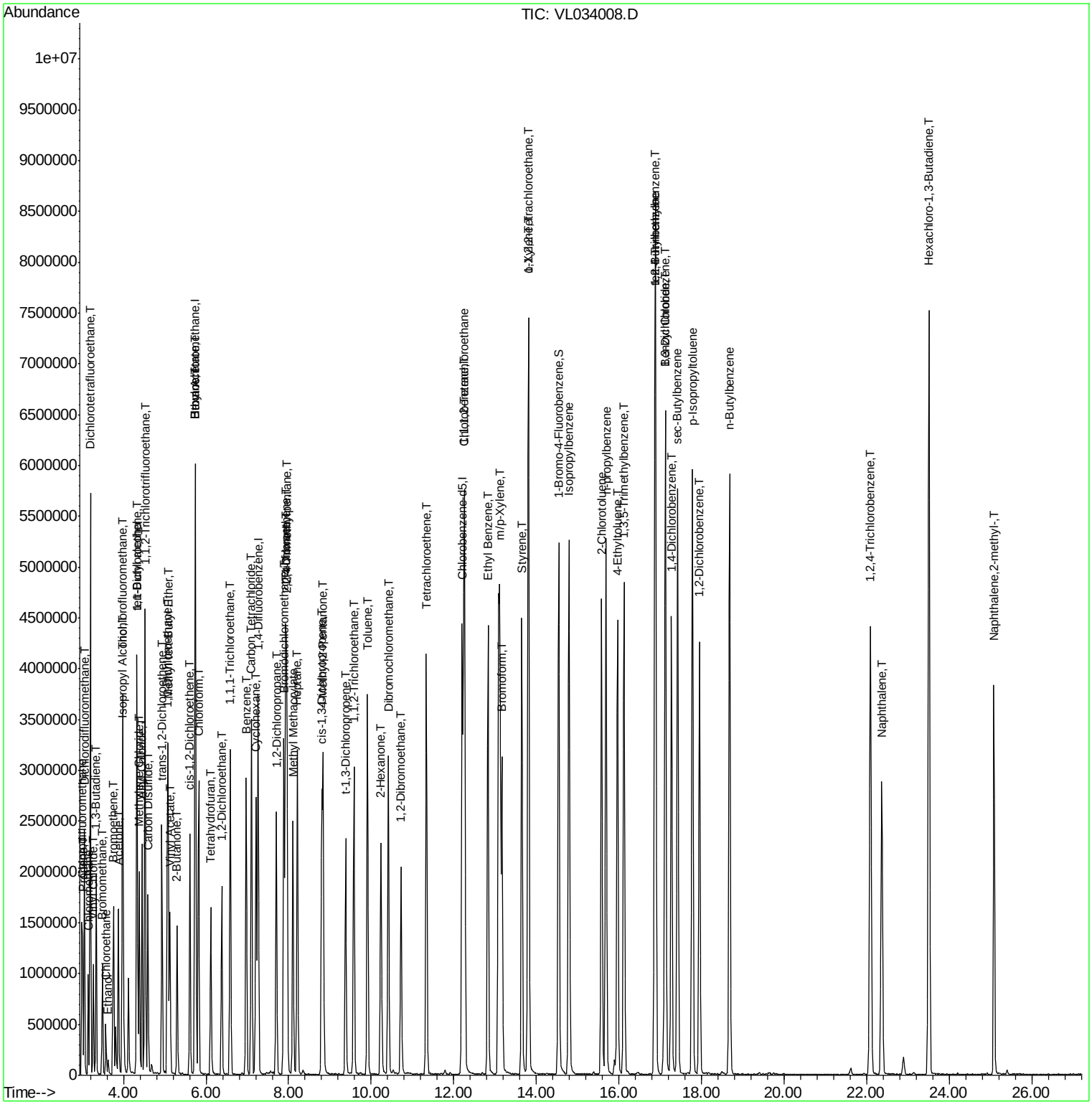
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070819\

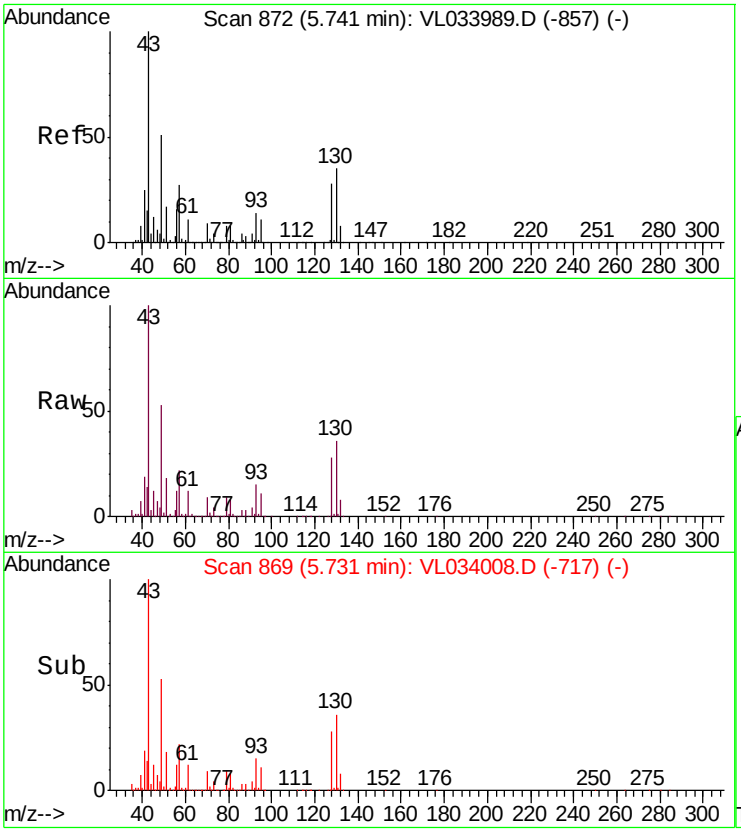
Quantitation Report (Not Reviewed)

Data File : VL034008.D
Acq On : 8 Jul 2019 11:05
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jul 09 03:46:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



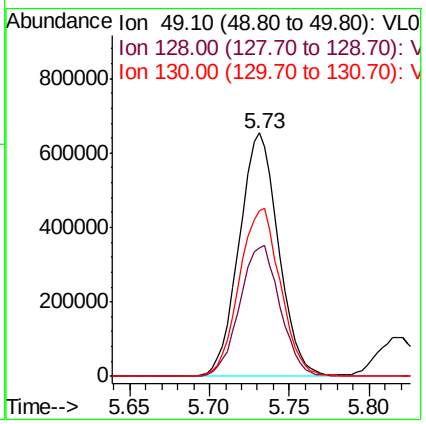


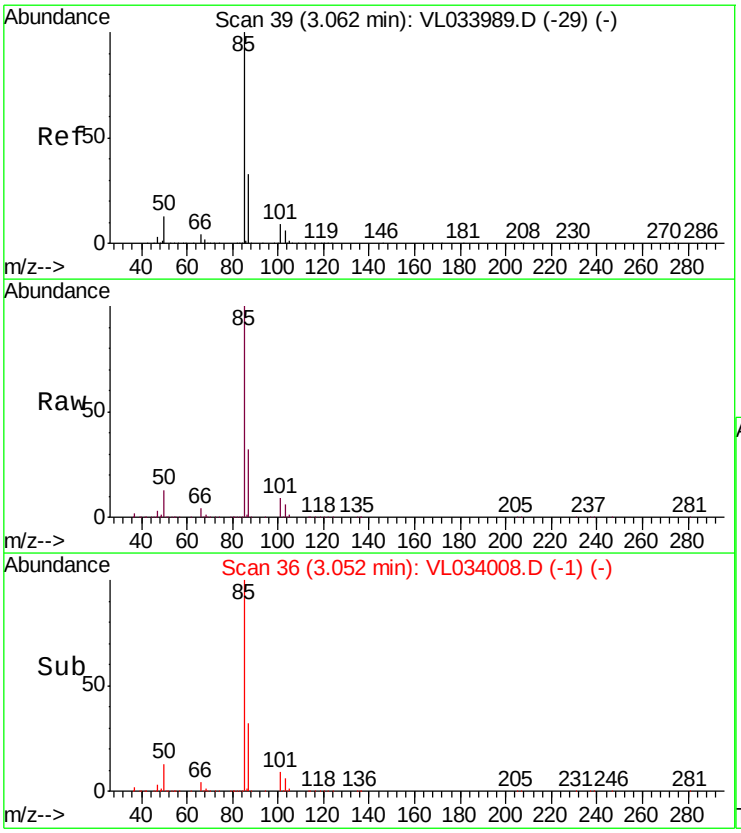
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1091030

Ion	Ratio	Lower	Upper
49	100		
128	55.6	27.9	83.6
130	72.6	35.8	107.4

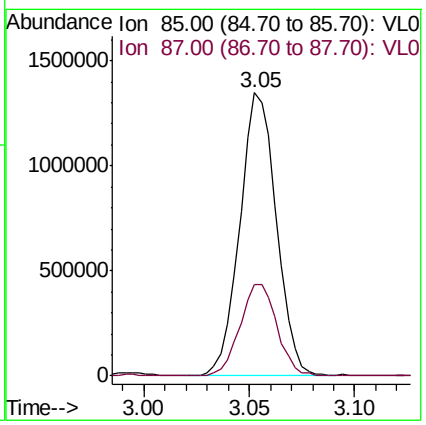


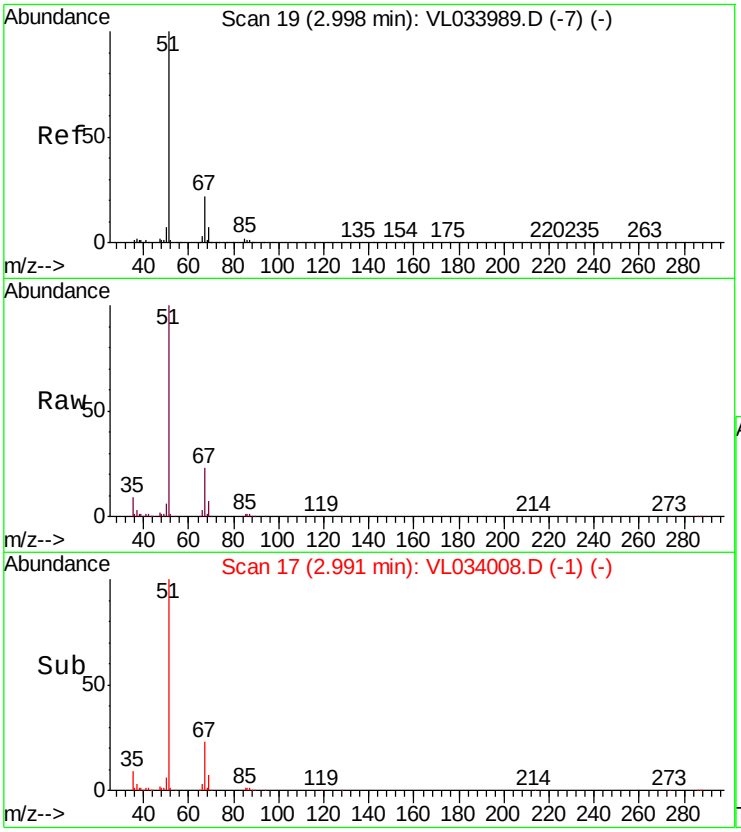


#2
Dichlorodifluoromethane
Concen: 7.195 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 85 Resp: 1619993

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.0	39.0



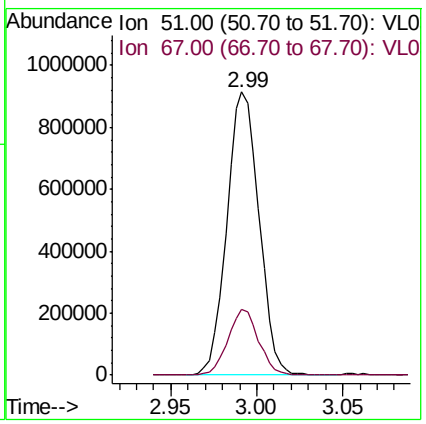


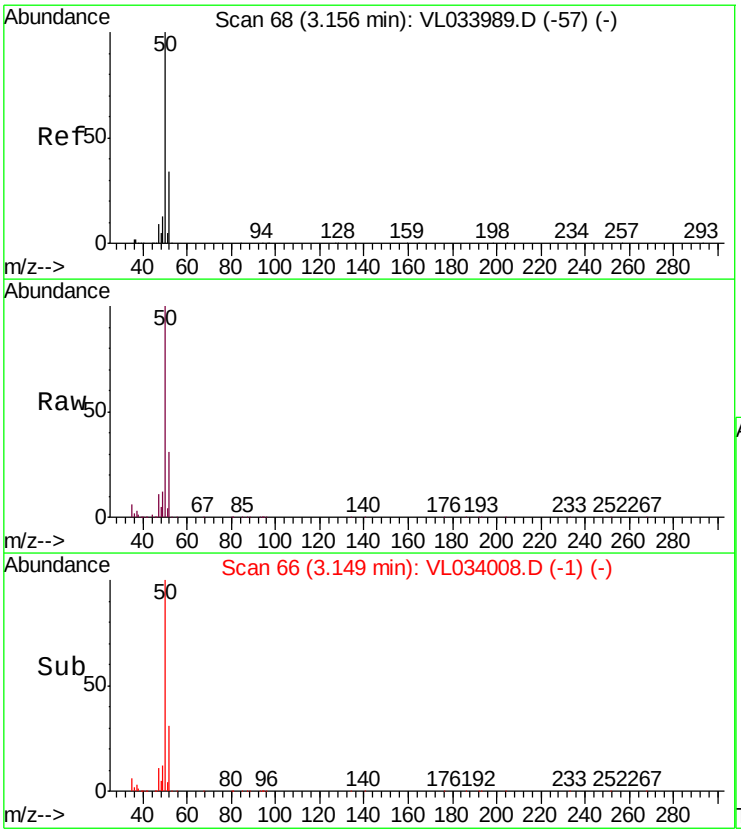
#3
Chlorodifluoromethane
Concen: 8.844 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1191477

Ion	Ratio	Lower	Upper
51	100		
67	22.2	17.3	25.9

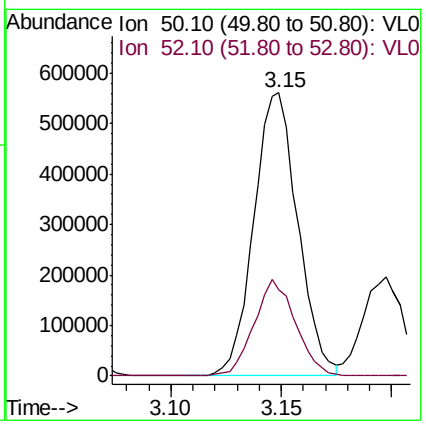


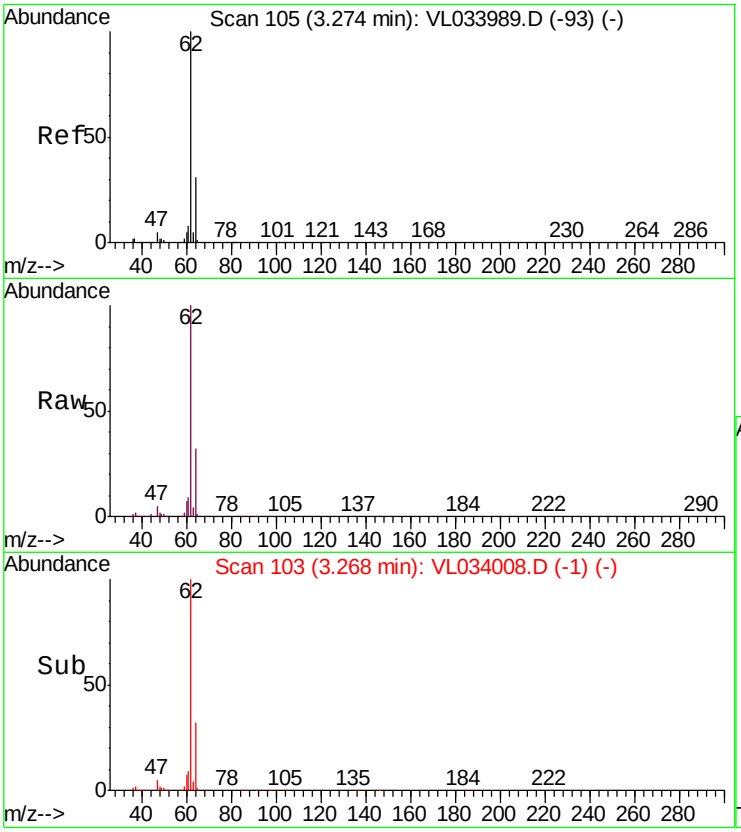


#4
Chloromethane
Concen: 10.021 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 50 Resp: 776308

Ion	Ratio	Lower	Upper
50	100		
52	30.6	27.4	41.0



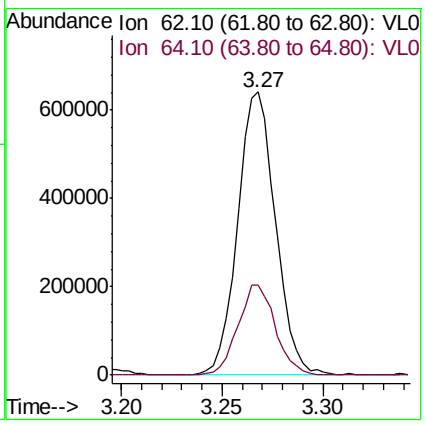


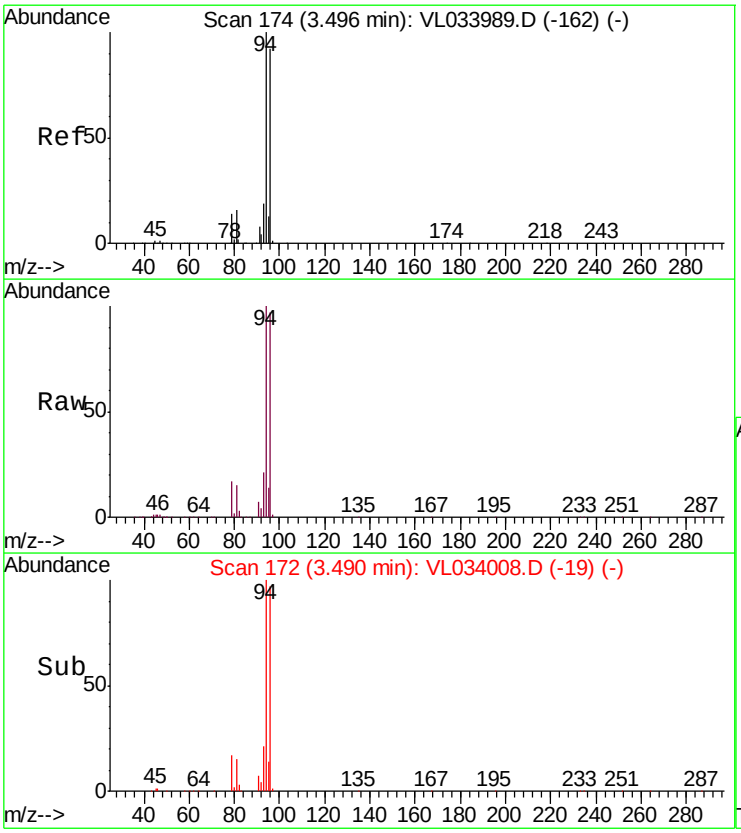
#5
Vinyl Chloride
Concen: 9.703 ppbv
RT: 3.27 min Scan# 103
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 845206

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.4	36.6

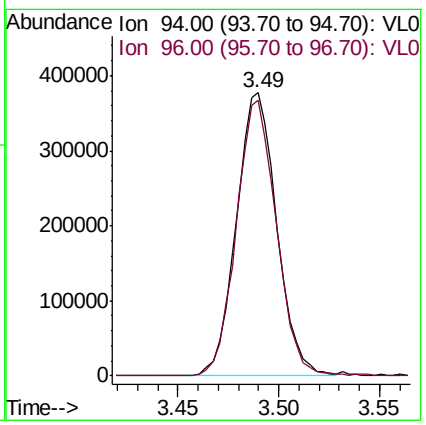


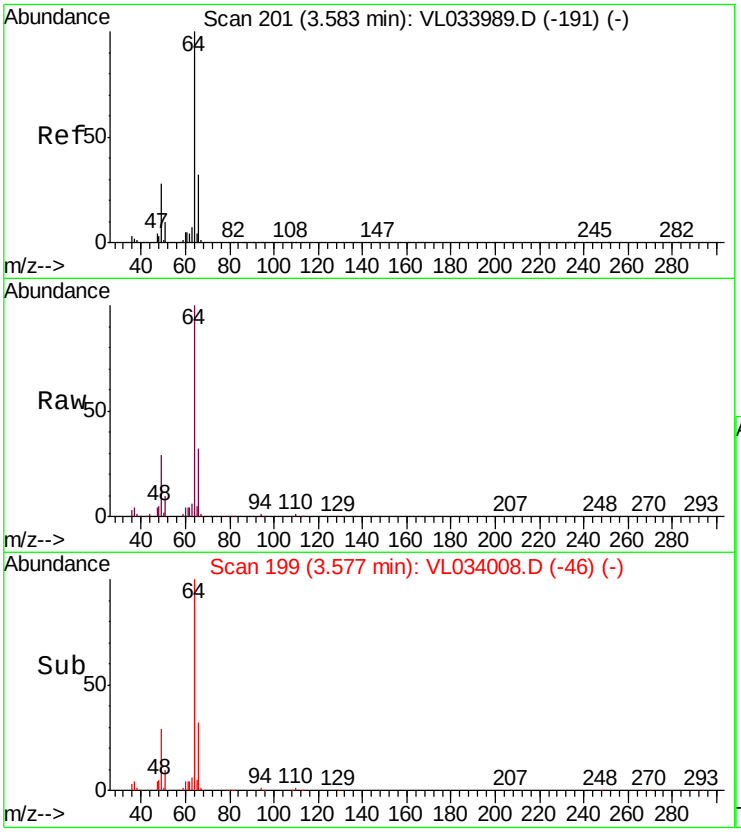


#6
Bromomethane
Concen: 10.314 ppbv
RT: 3.49 min Scan# 172
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 94 Resp: 529851

Ion	Ratio	Lower	Upper
94	100		
96	97.5	73.8	110.8



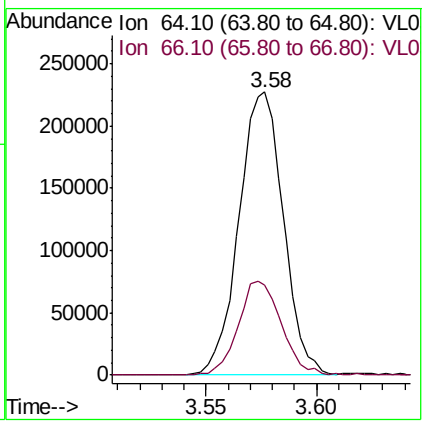


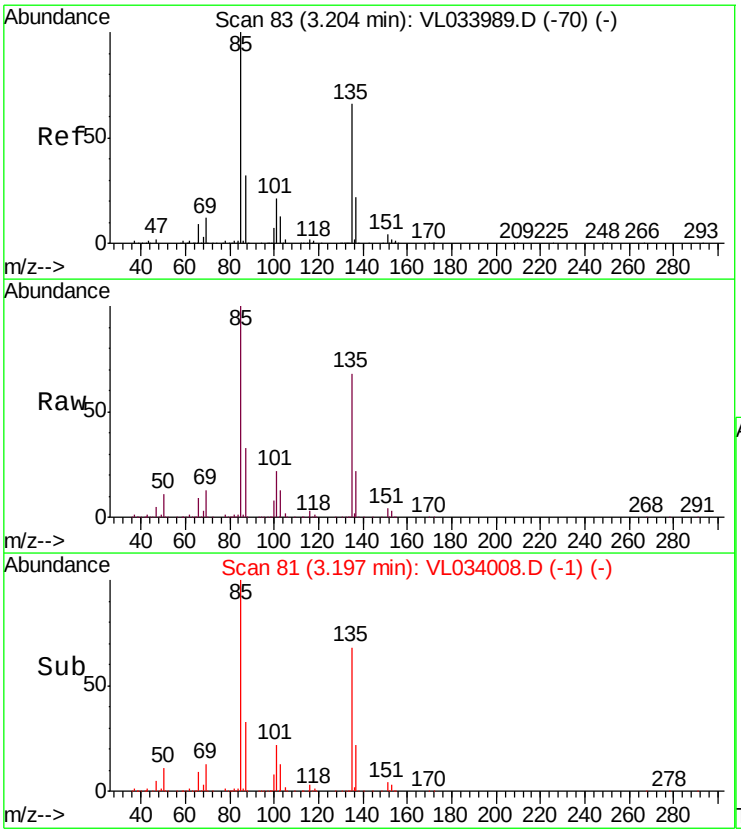
#7
Chloroethane
Concen: 10.232 ppbv
RT: 3.58 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 318569

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.3	37.9

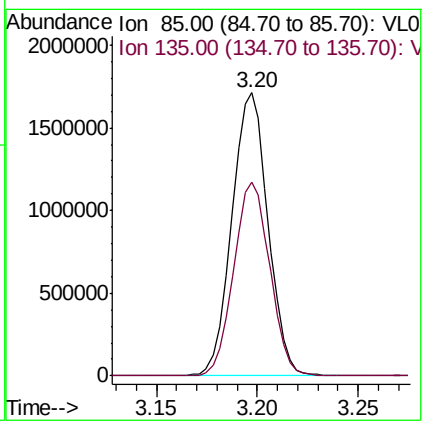


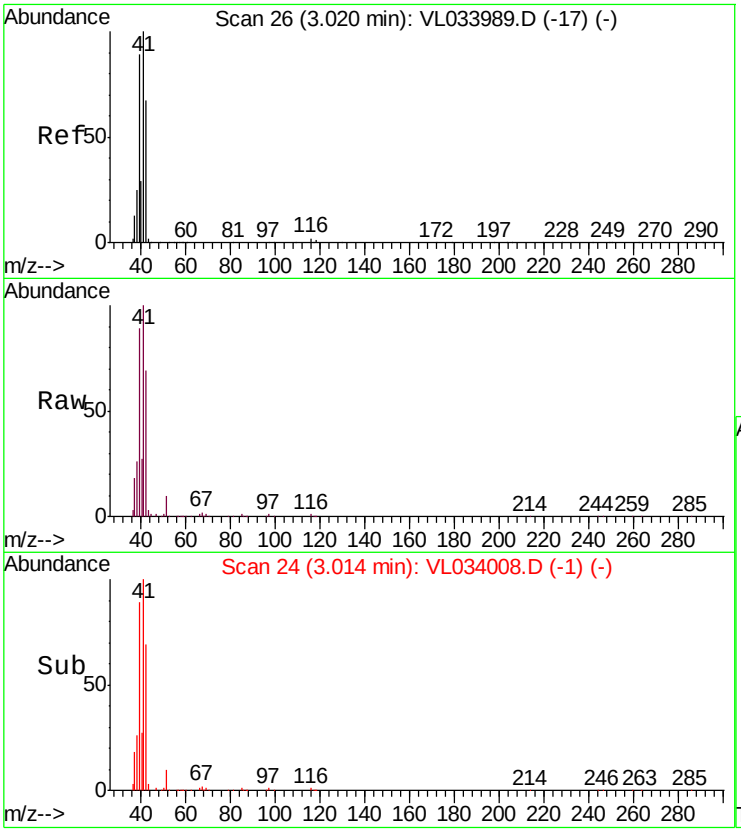


#8
Dichlorotetrafluoroethane
Concen: 9.764 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 85 Resp: 2143287

Ion	Ratio	Lower	Upper
85	100		
135	69.0	55.0	82.4



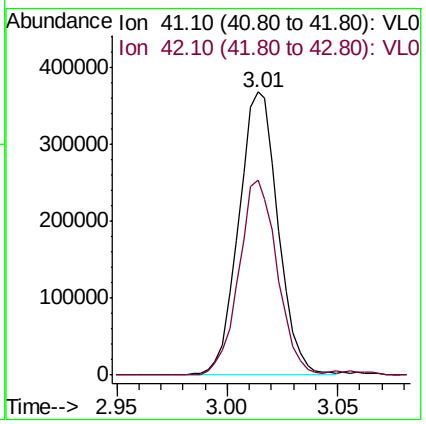


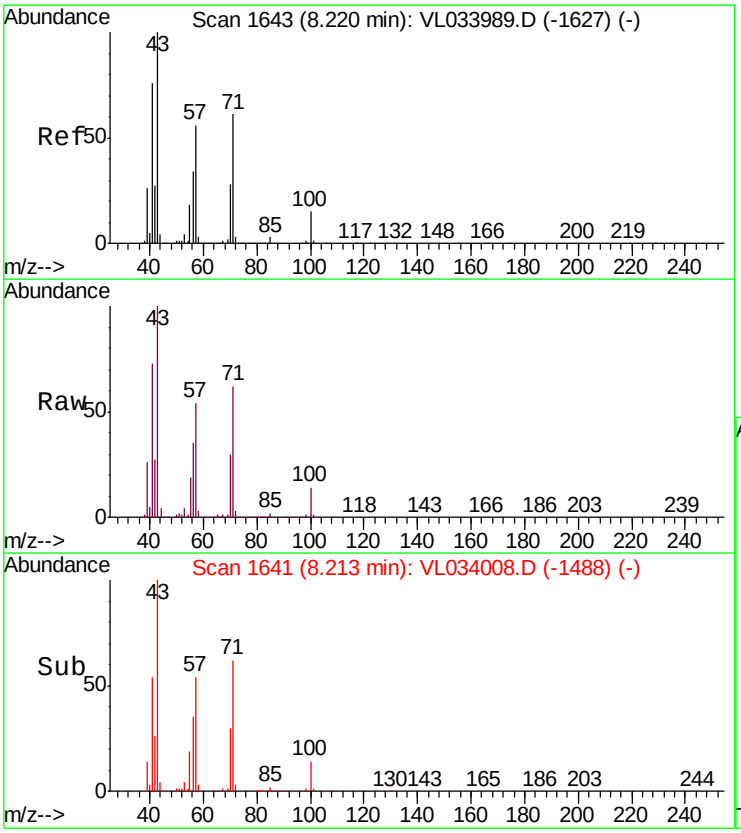
#9
Propene
Concen: 9.260 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 458953

Ion	Ratio	Lower	Upper
41	100		
42	68.5	57.1	85.7

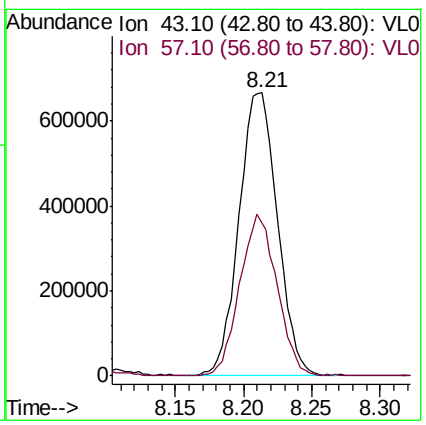


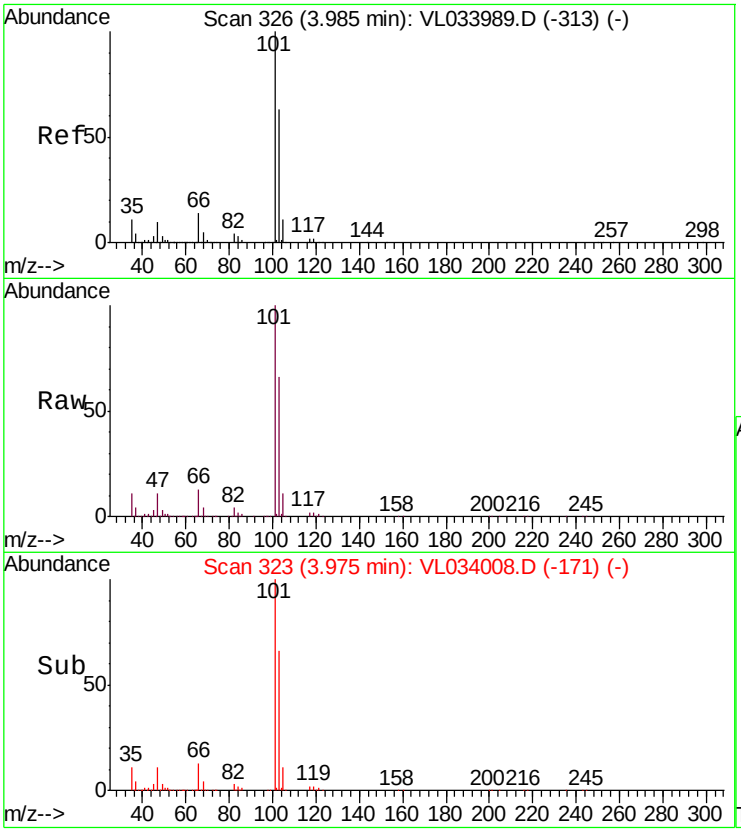


#10
Heptane
Concen: 10.470 ppbv
RT: 8.21 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 43 Resp: 1299278

Ion	Ratio	Lower	Upper
43	100		
57	55.8	44.6	66.8



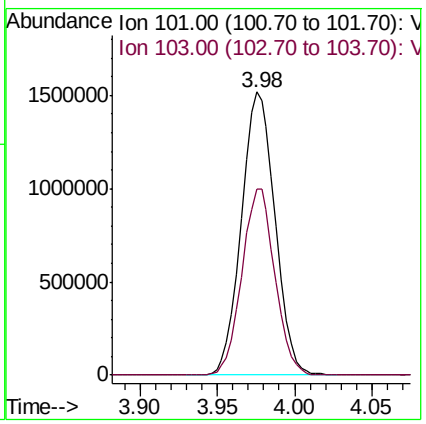


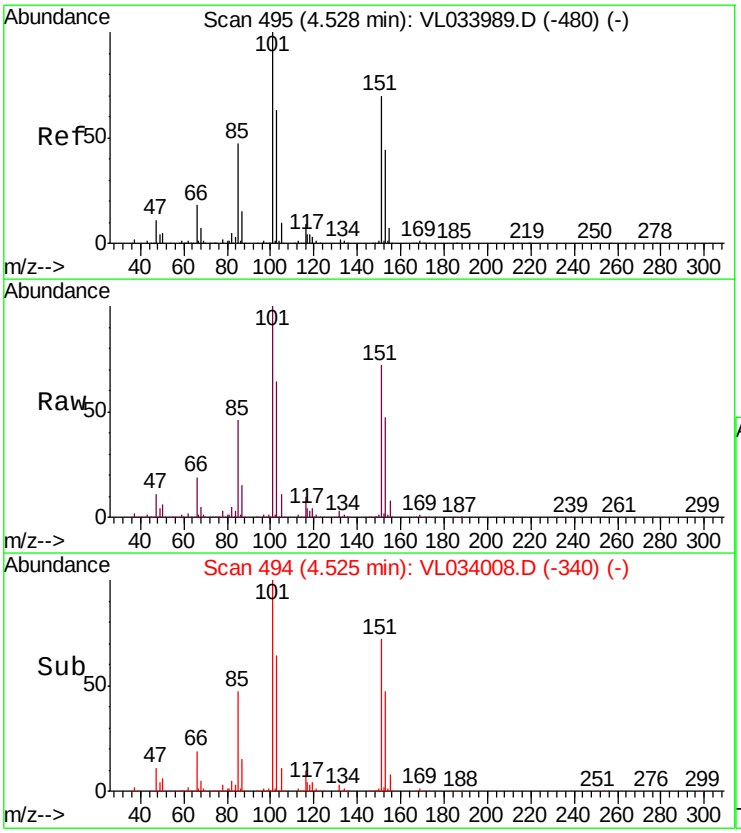
#11
Trichlorofluoromethane
Concen: 9.071 ppbv
RT: 3.98 min Scan# 323
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 2296634

Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.8	76.2

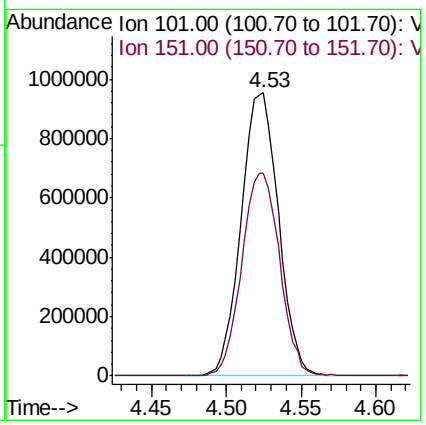


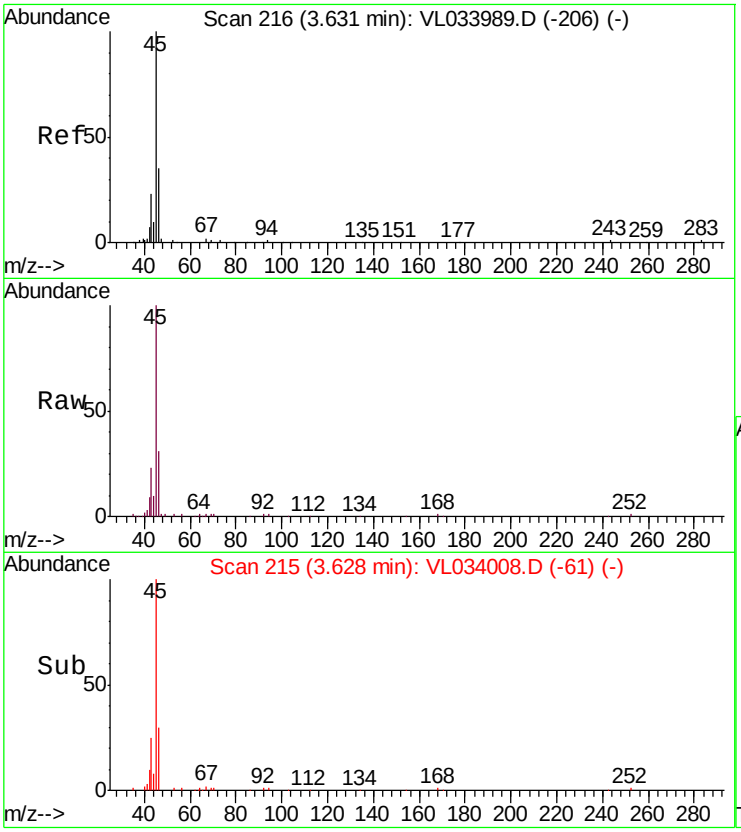


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.293 ppbv
RT: 4.53 min Scan# 494
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:101 Resp: 1665390

Ion	Ratio	Lower	Upper
101	100		
151	72.7	59.0	88.4



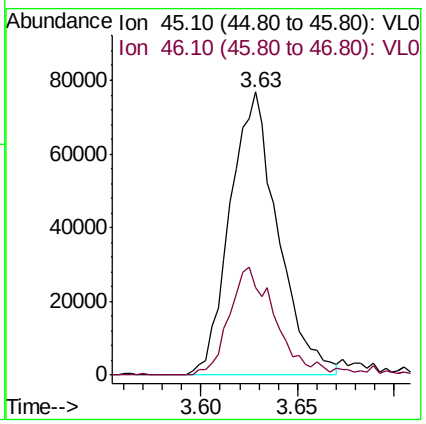


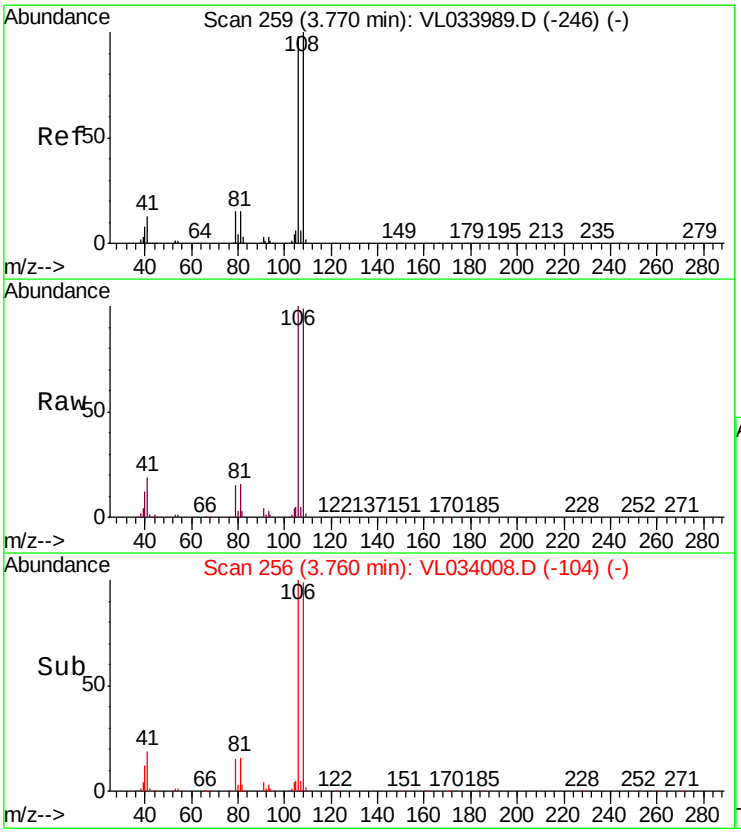
#13
Ethanol
Concen: 8.573 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 132001

Ion	Ratio	Lower	Upper
45	100		
46	39.4	16.2	64.6

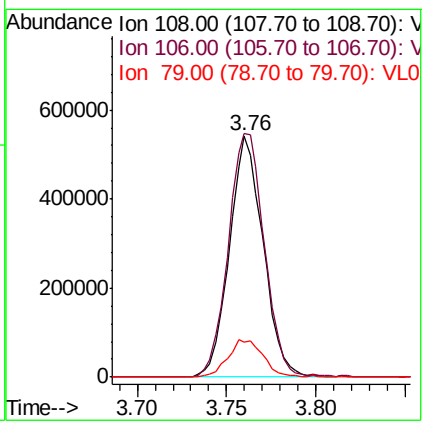


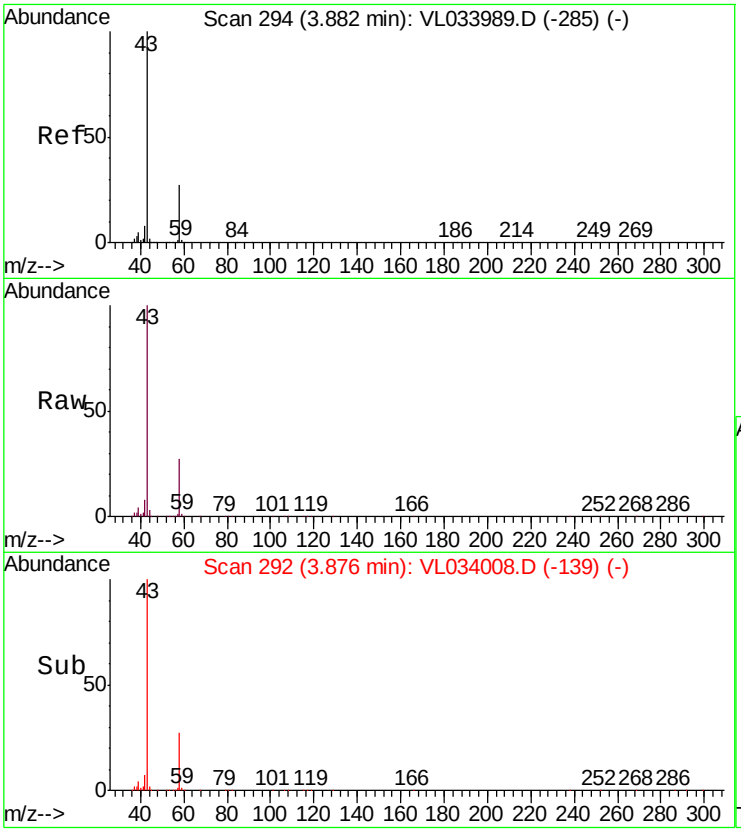


#14
Bromoethene
Concen: 10.650 ppbv
RT: 3.76 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:108 Resp: 712700

Ion	Ratio	Lower	Upper
108	100		
106	108.1	85.6	128.4
79	16.5	14.0	21.0



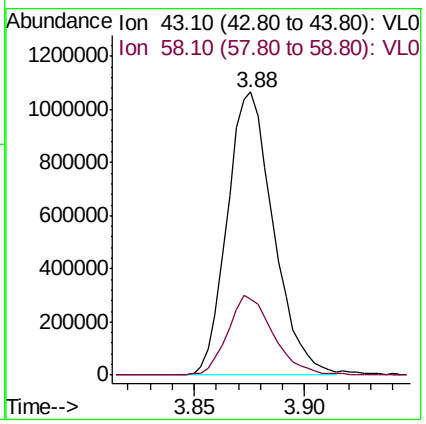


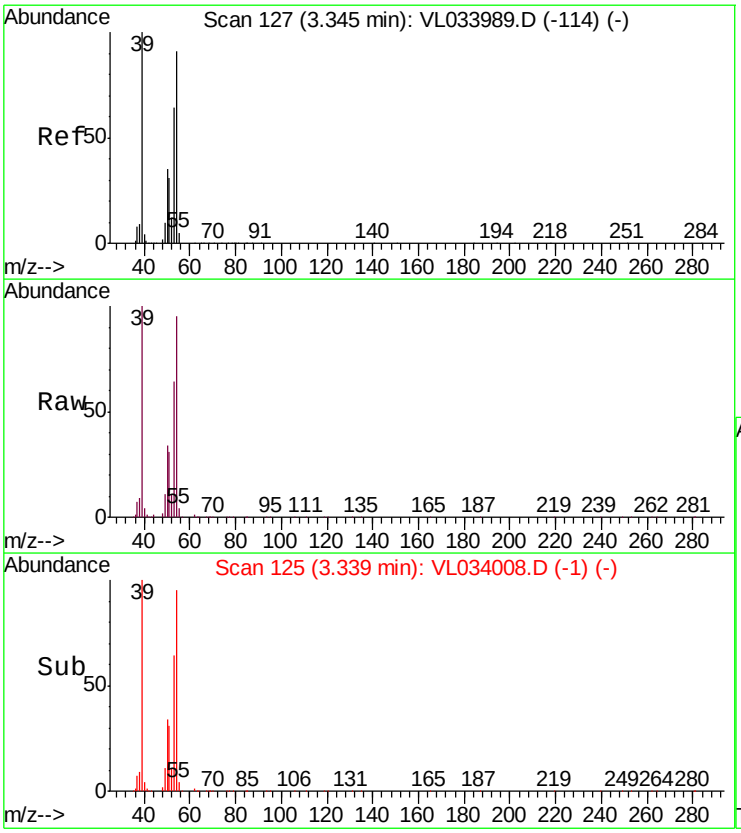
#15
Acetone
Concen: 8.432 ppbv
RT: 3.88 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1546695

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.4	32.0

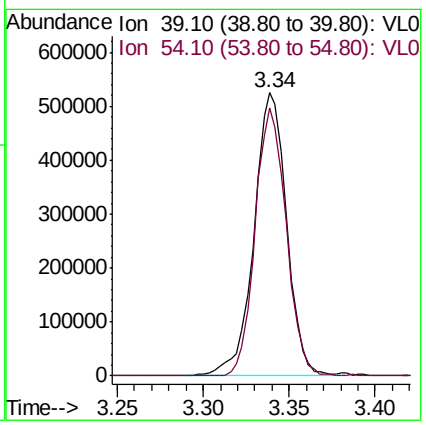


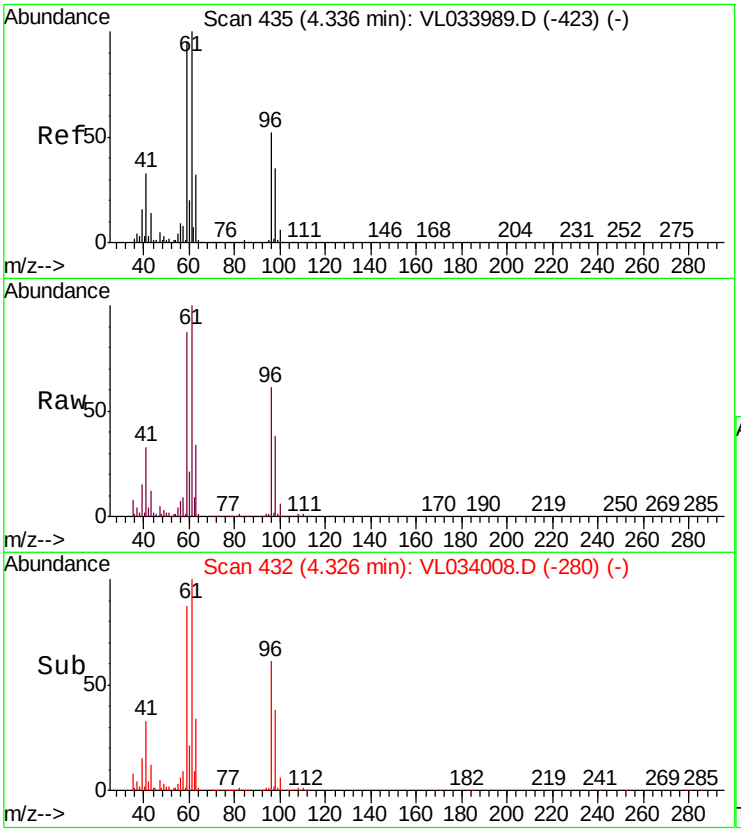


#16
1,3-Butadiene
Concen: 10.653 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 39 Resp: 690018

Ion	Ratio	Lower	Upper
39	100		
54	90.3	71.4	107.2



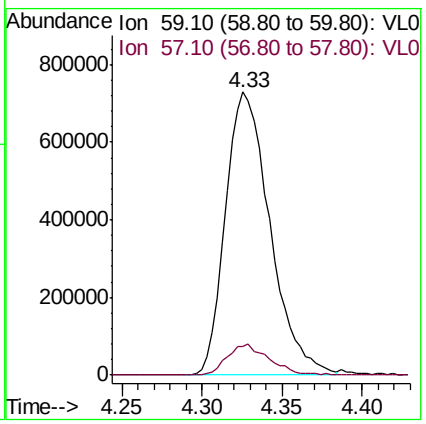


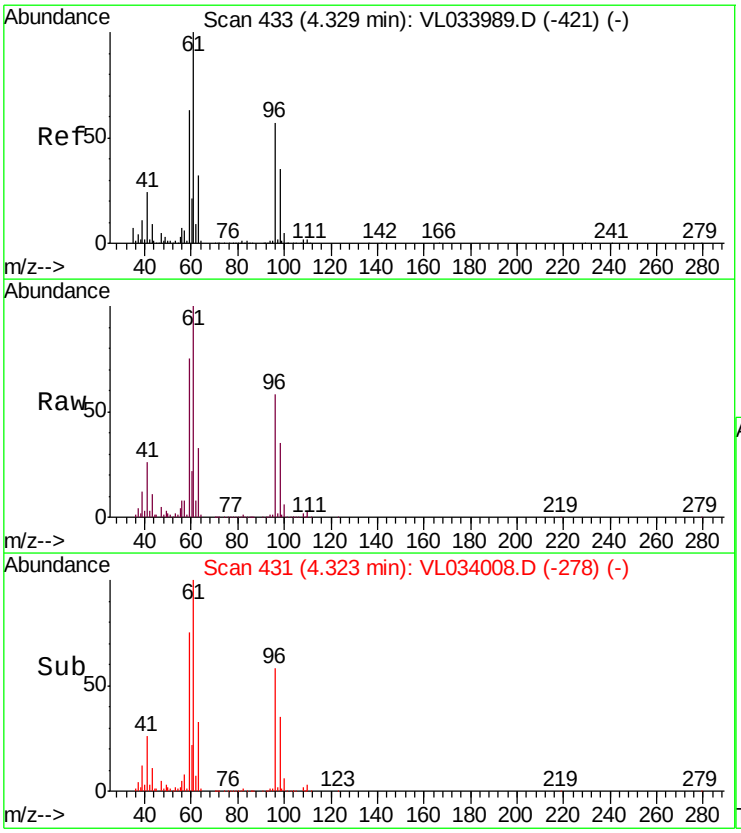
#17
tert-Butyl alcohol
Concen: 9.474 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1385490

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

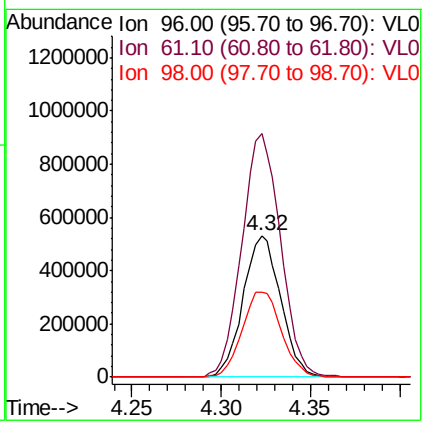


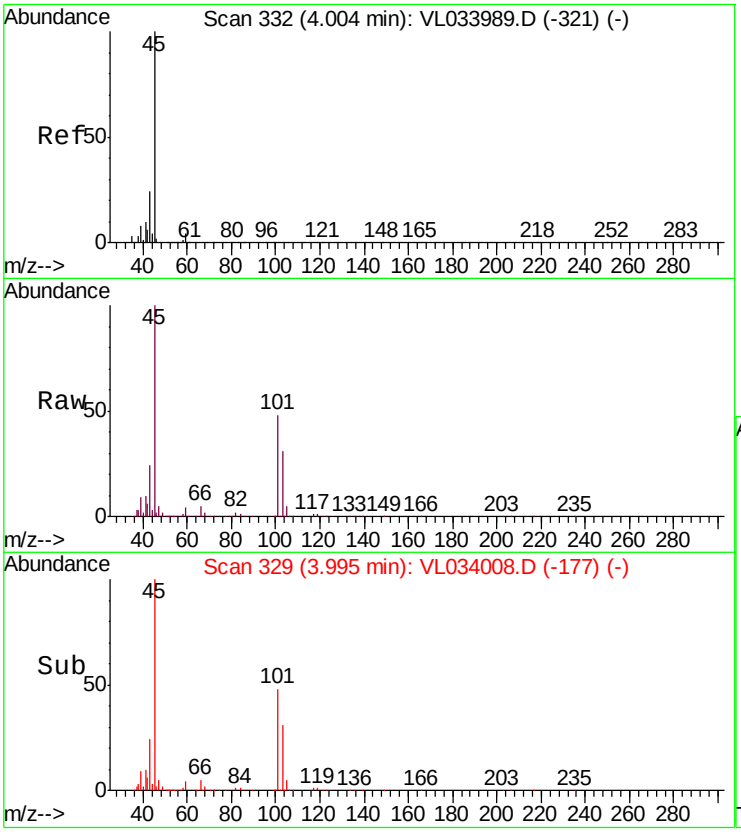


#18
1,1-Dichloroethene
Concen: 9.852 ppbv
RT: 4.32 min Scan# 431
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 96 Resp: 786349

Ion	Ratio	Lower	Upper
96	100		
61	171.9	139.4	209.0
98	60.4	49.4	74.0



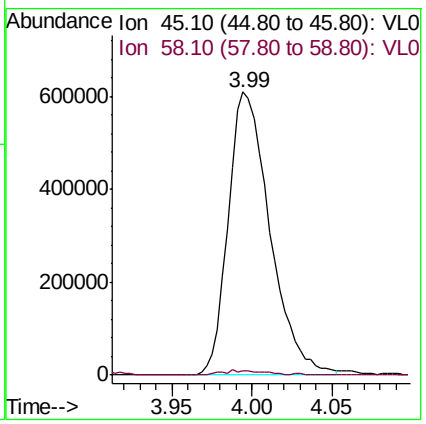


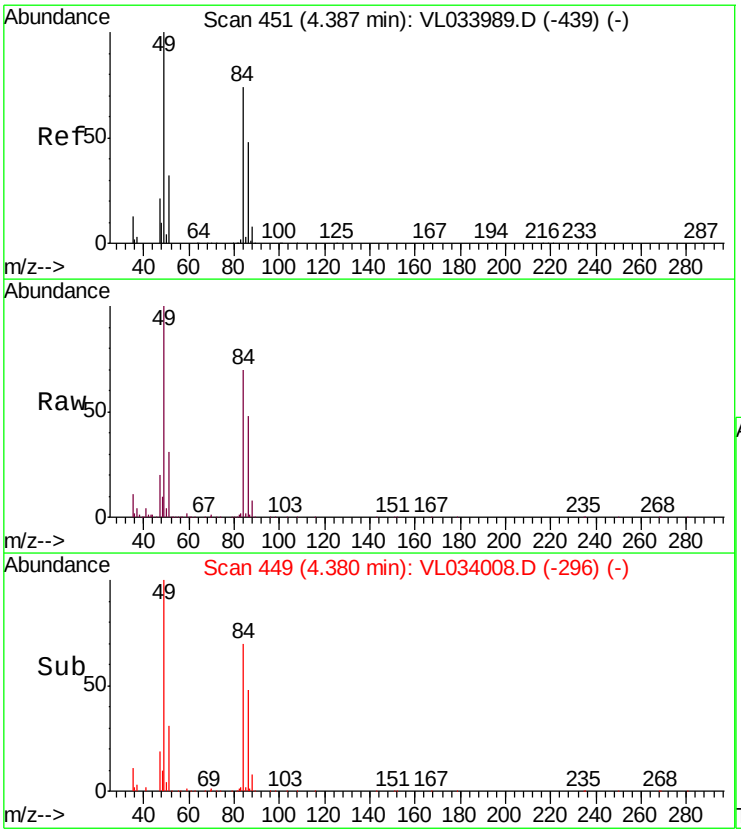
#19
Isopropyl Alcohol
Concen: 8.769 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1079708

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.7	2.5

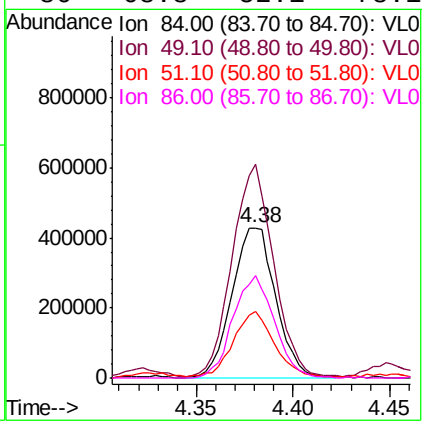


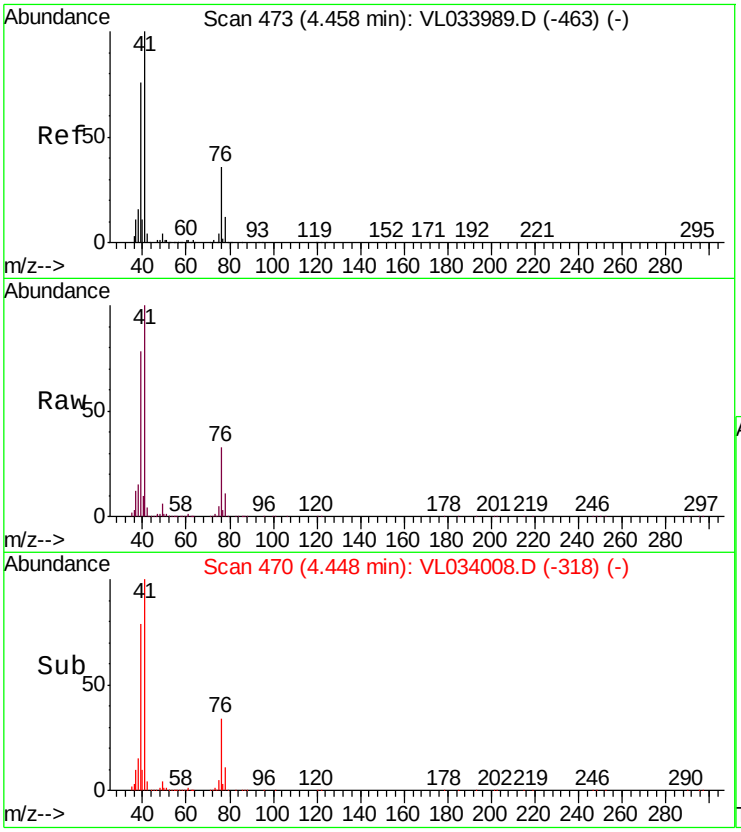


#20
Methylene Chloride
Concen: 8.348 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 84 Resp: 667839

Ion	Ratio	Lower	Upper
84	100		
49	141.7	107.6	161.4
51	43.6	35.0	52.6
86	68.8	52.1	78.1



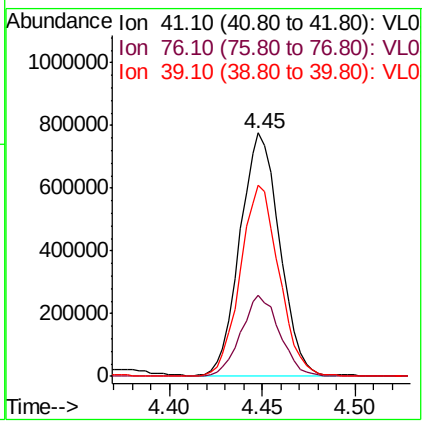


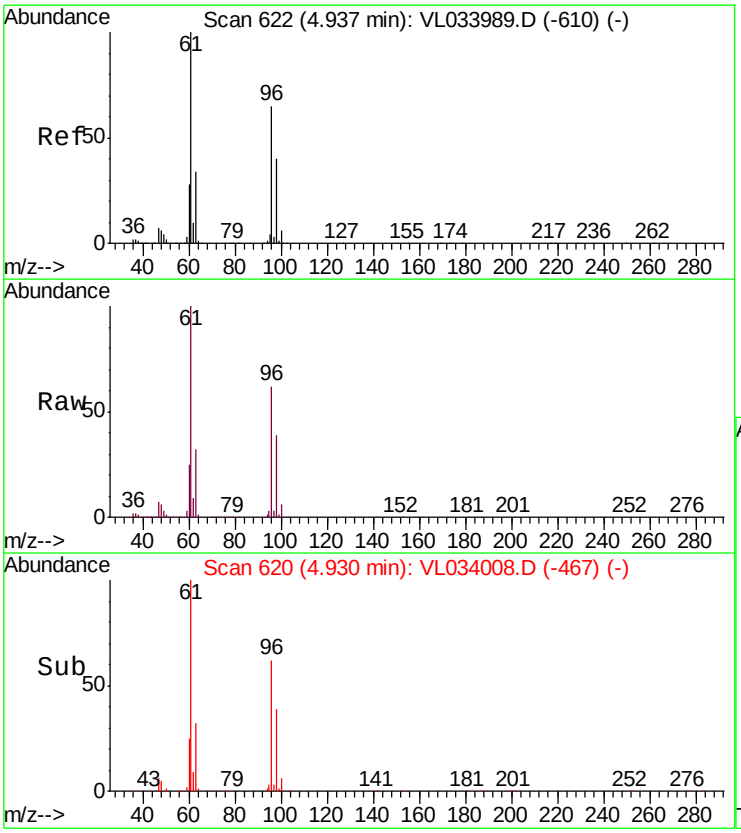
#21
Allyl Chloride
Concen: 10.063 ppbv
RT: 4.45 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 1150901

Ion	Ratio	Lower	Upper
41	100		
76	32.6	26.8	40.2
39	76.9	63.1	94.7

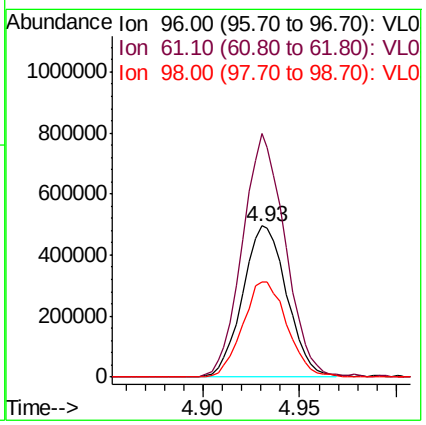


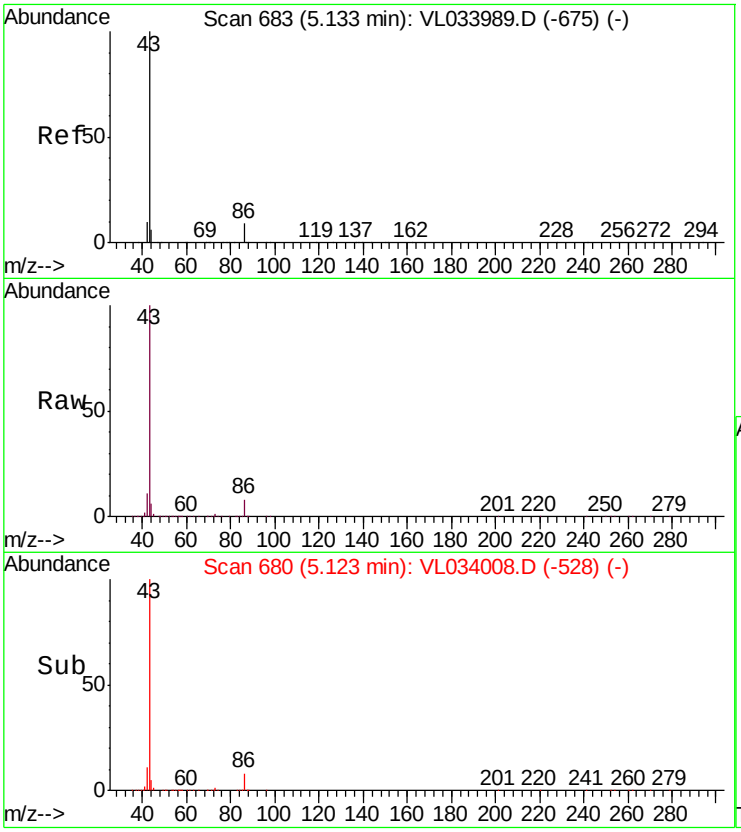


#22
trans-1,2-Dichloroethene
Concen: 10.362 ppbv
RT: 4.93 min Scan# 620
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 96 Resp: 788083

Ion	Ratio	Lower	Upper
96	100		
61	161.2	122.9	184.3
98	62.5	49.6	74.4



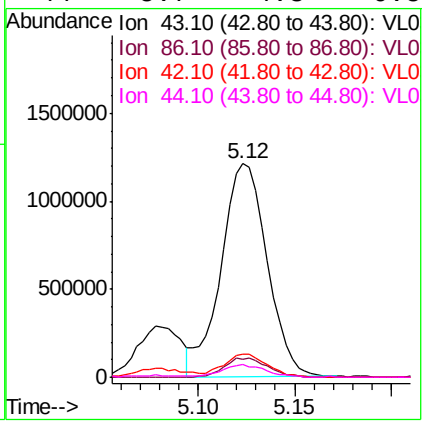


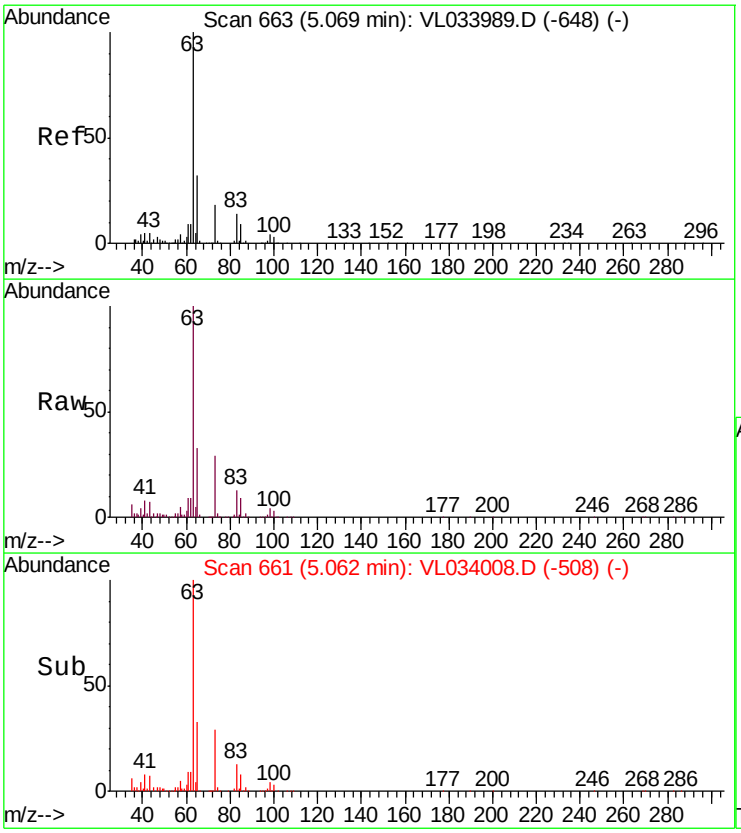
#23
Vinyl Acetate
Concen: 10.922 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1999767

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	10.9	8.3	12.5
44	5.7	4.3	6.5

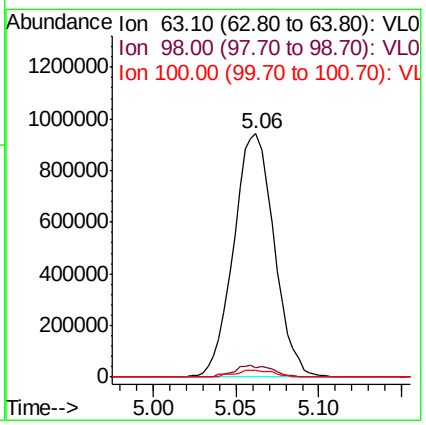


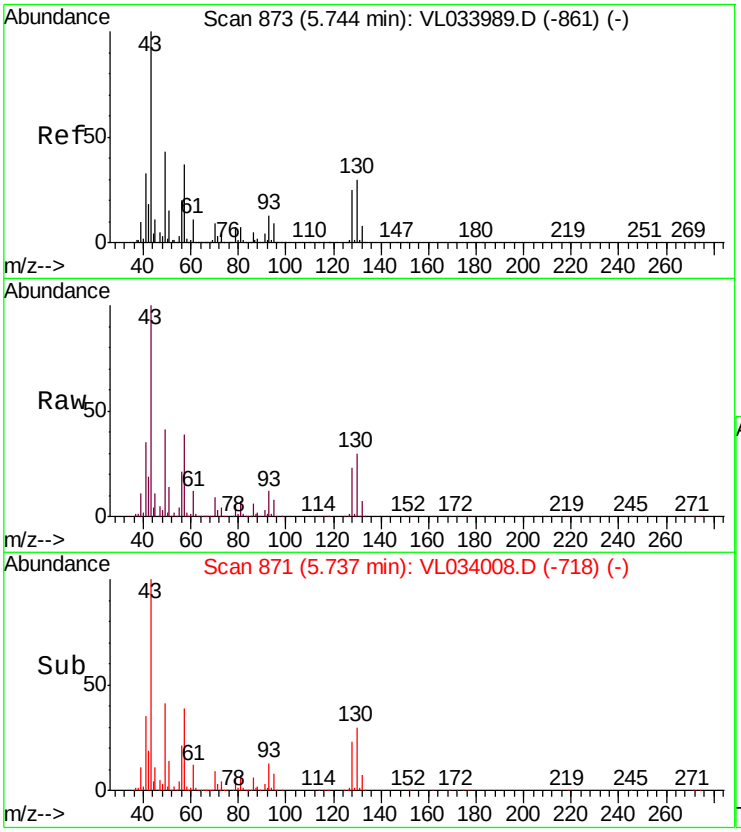


#24
1,1-Dichloroethane
Concen: 9.840 ppbv
RT: 5.06 min Scan# 661
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 63 Resp: 1596702

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.2	6.6
100	3.0	1.4	4.2



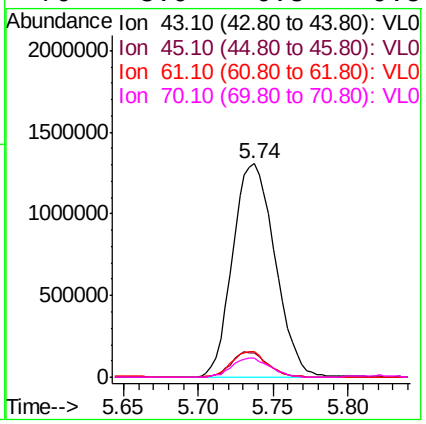


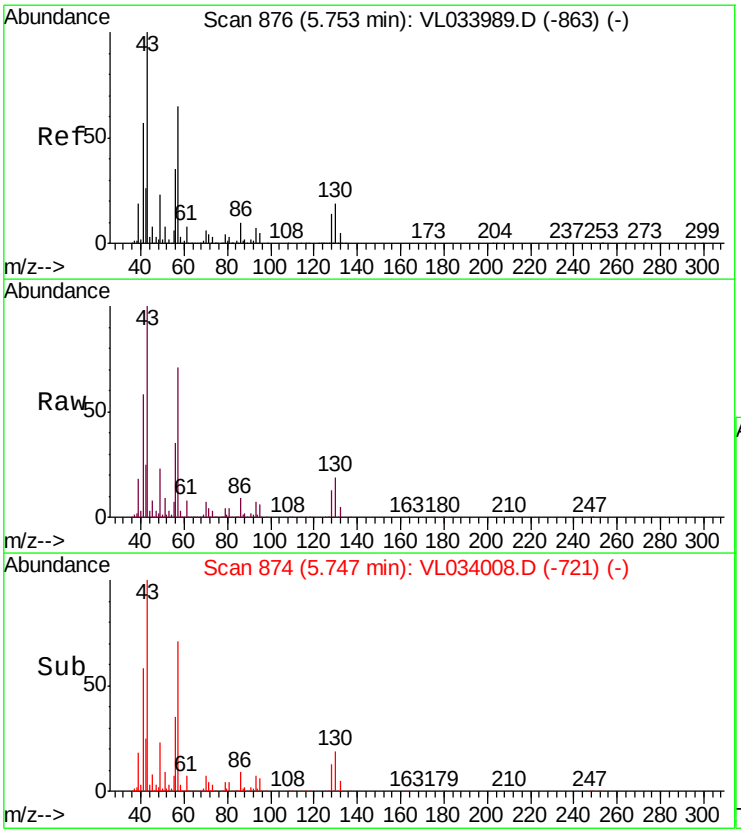
#25
Ethyl Acetate
Concen: 10.287 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2580927

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	10.6	8.1	12.1
70	8.0	6.3	9.5

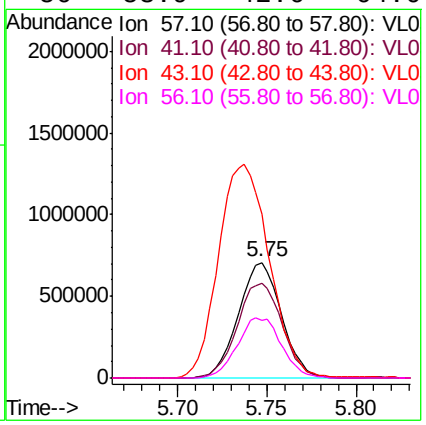


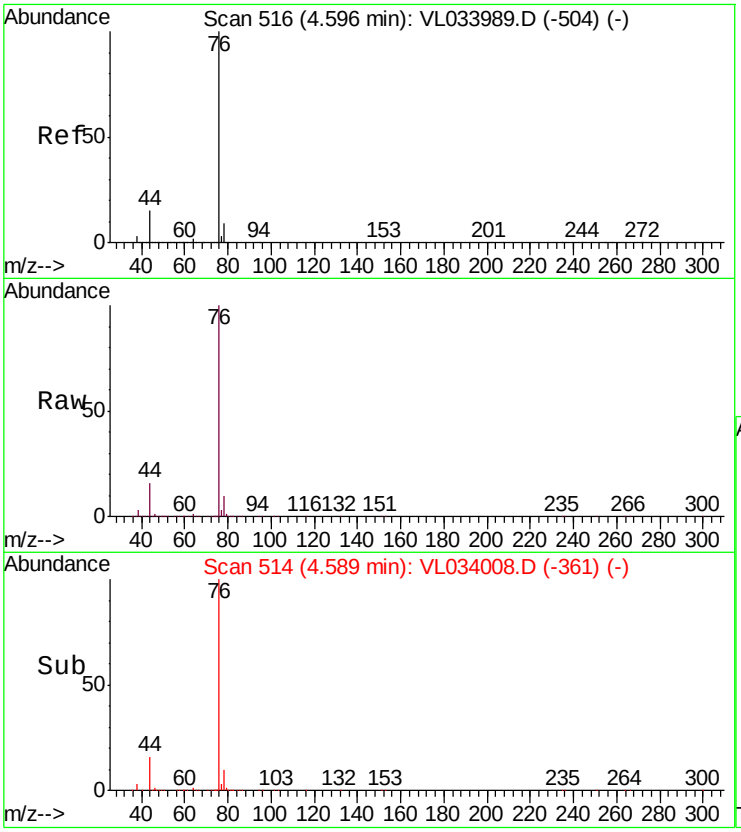


#26
Hexane
Concen: 10.313 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 57 Resp: 1184059

Ion	Ratio	Lower	Upper
57	100		
41	86.9	70.6	105.8
43	218.8	177.6	266.4
56	53.9	42.6	64.0



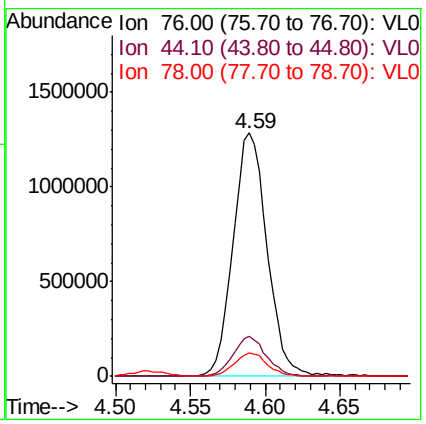


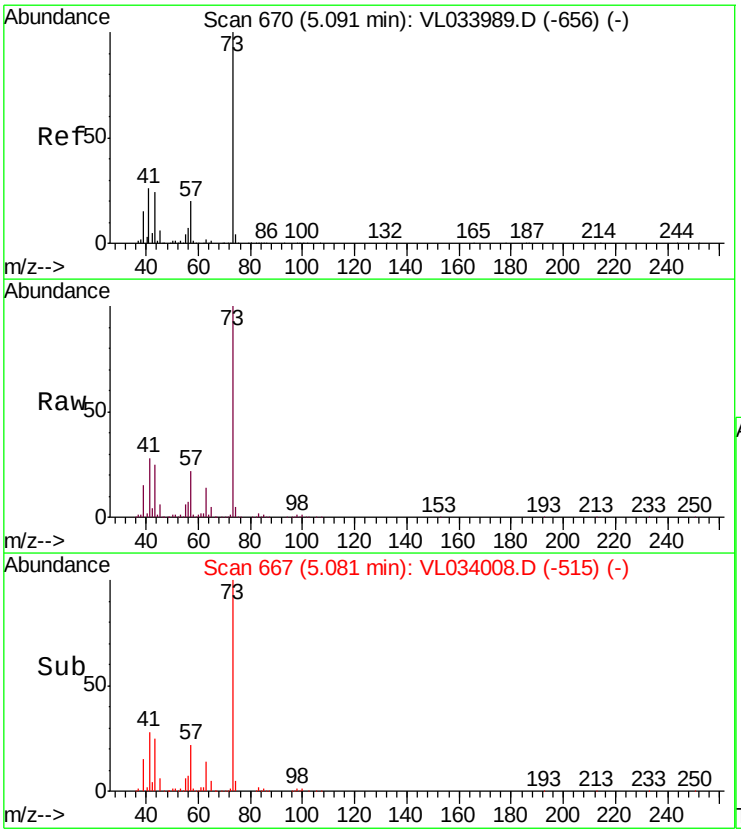
#27
Carbon Disulfide
Concen: 10.417 ppbv
RT: 4.59 min Scan# 514
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 2033291

Ion	Ratio	Lower	Upper
76	100		
44	15.7	12.6	18.8
78	9.5	7.2	10.8

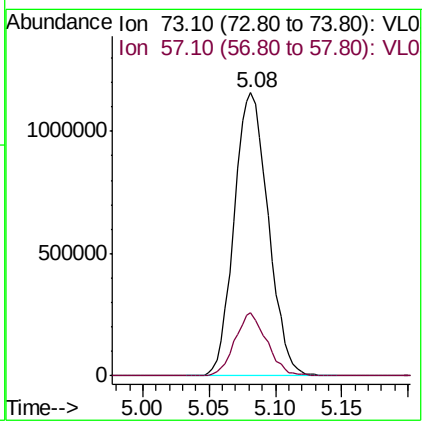


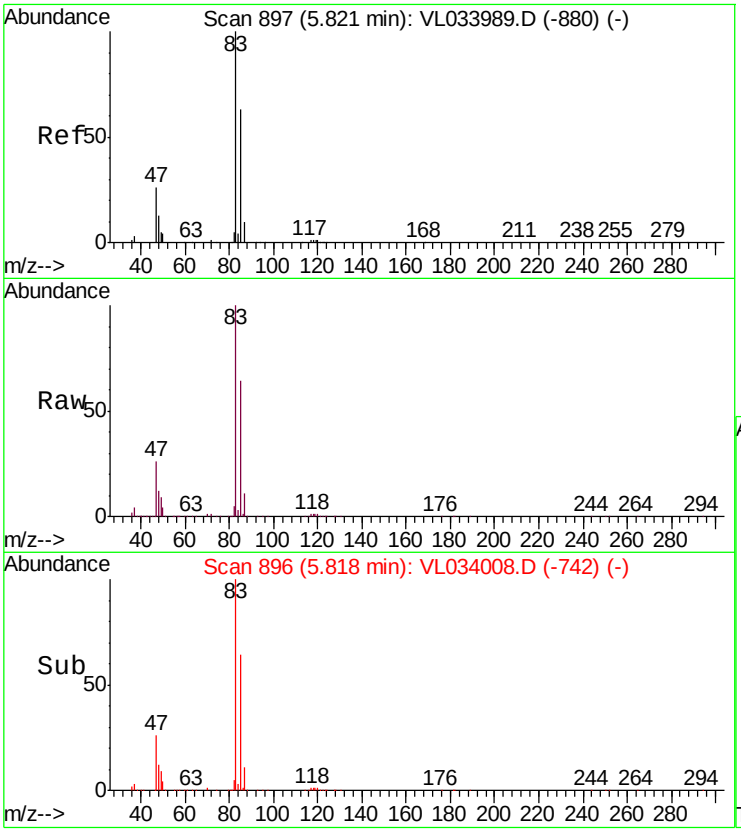


#28
Methyl tert-Butyl Ether
Concen: 10.657 ppbv
RT: 5.08 min Scan# 667
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 73 Resp: 2072001

Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.9	25.3



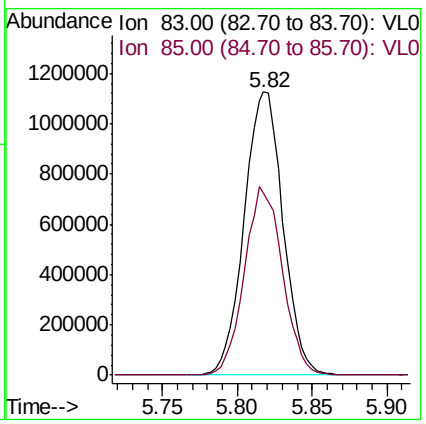


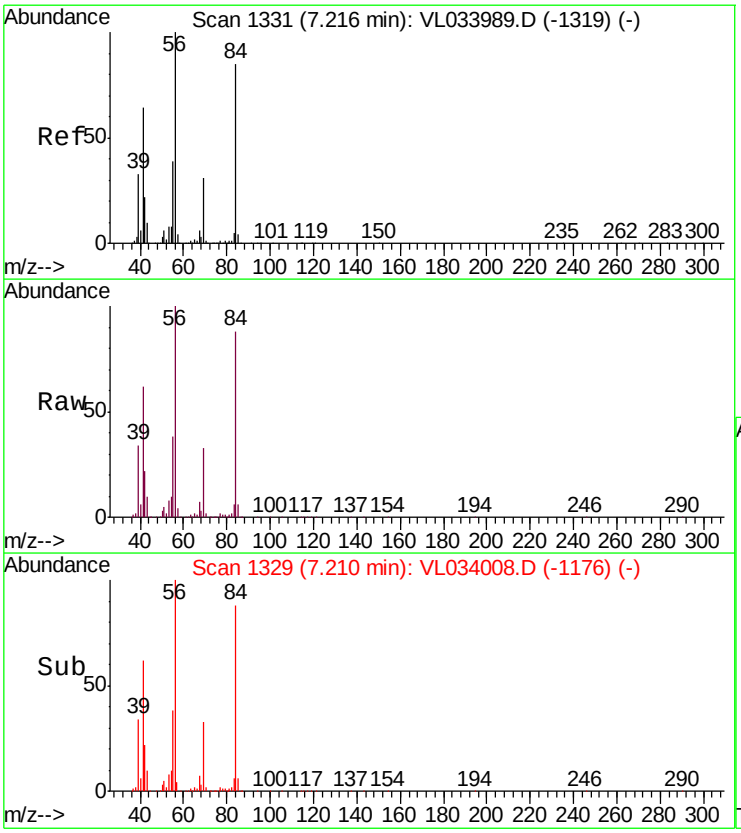
#29
Chloroform
Concen: 9.417 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2031766

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8

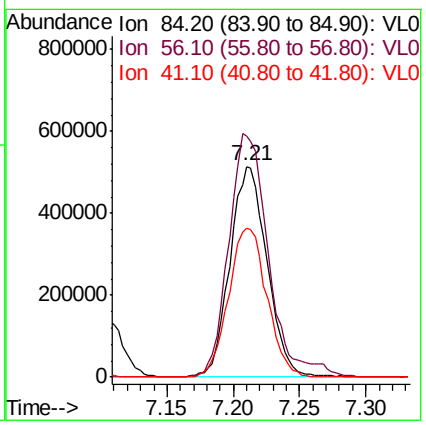


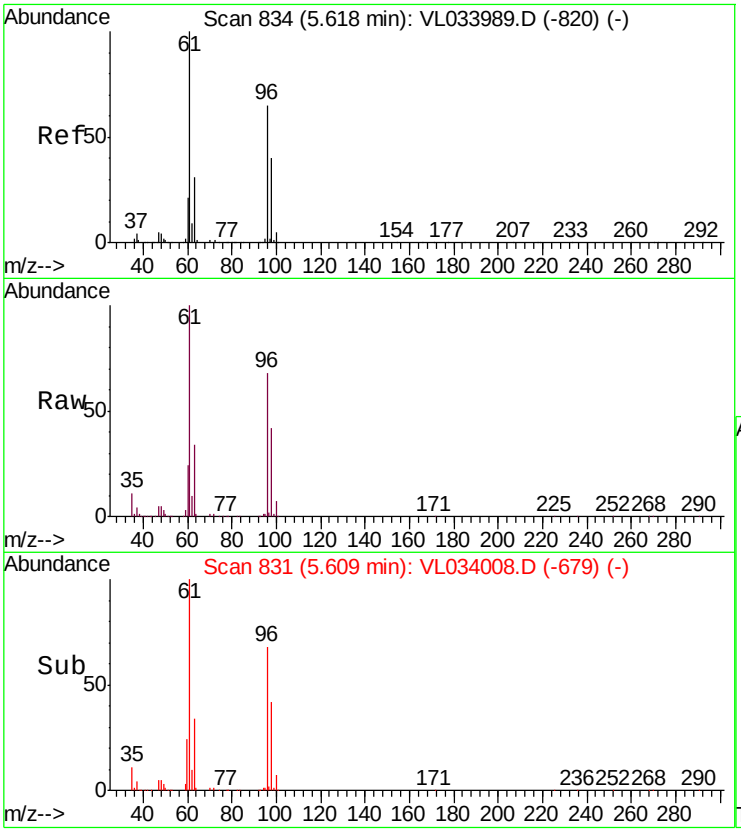


#30
Cyclohexane
Concen: 11.251 ppbv
RT: 7.21 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 84 Resp: 997587

Ion	Ratio	Lower	Upper
84	100		
56	124.7	103.7	155.5
41	73.5	62.6	94.0



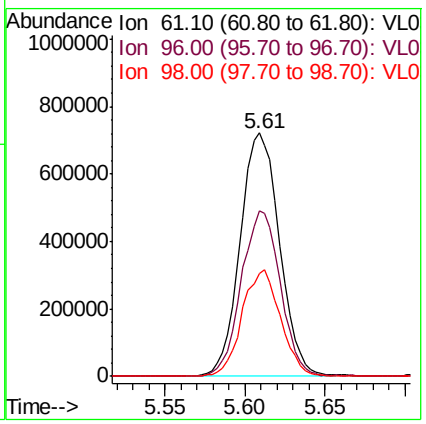


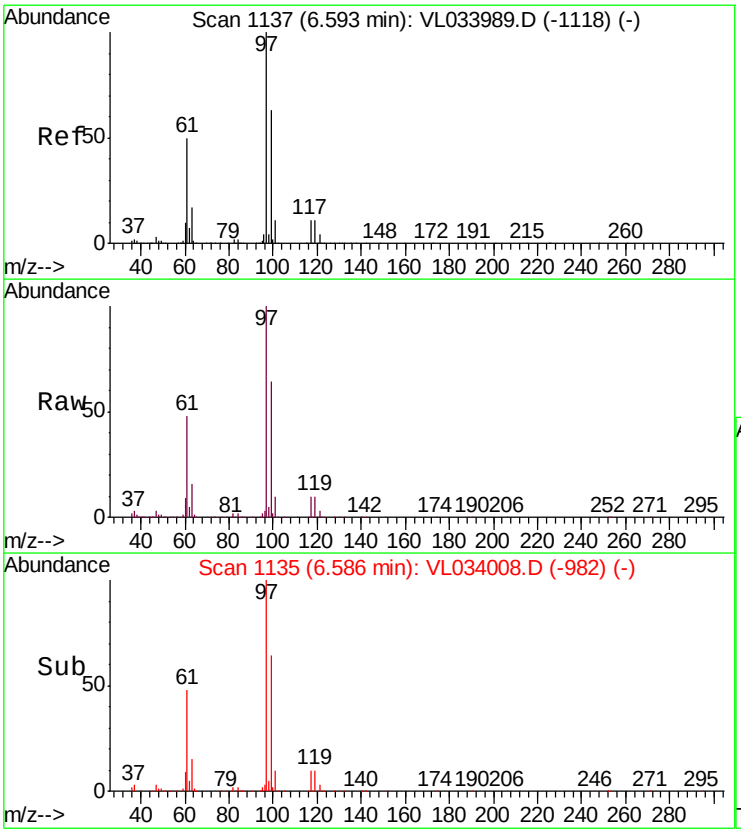
#31
cis-1,2-Dichloroethene
Concen: 10.915 ppbv
RT: 5.61 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1210724

Ion	Ratio	Lower	Upper
61	100		
96	67.9	51.8	77.6
98	42.3	32.1	48.1

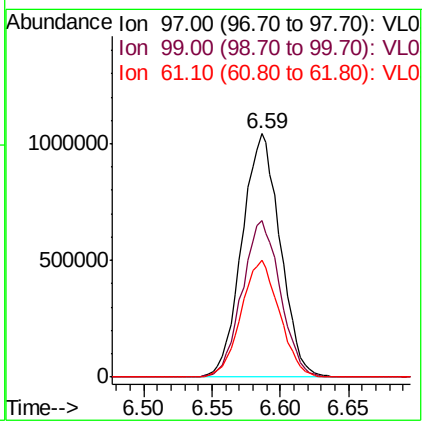


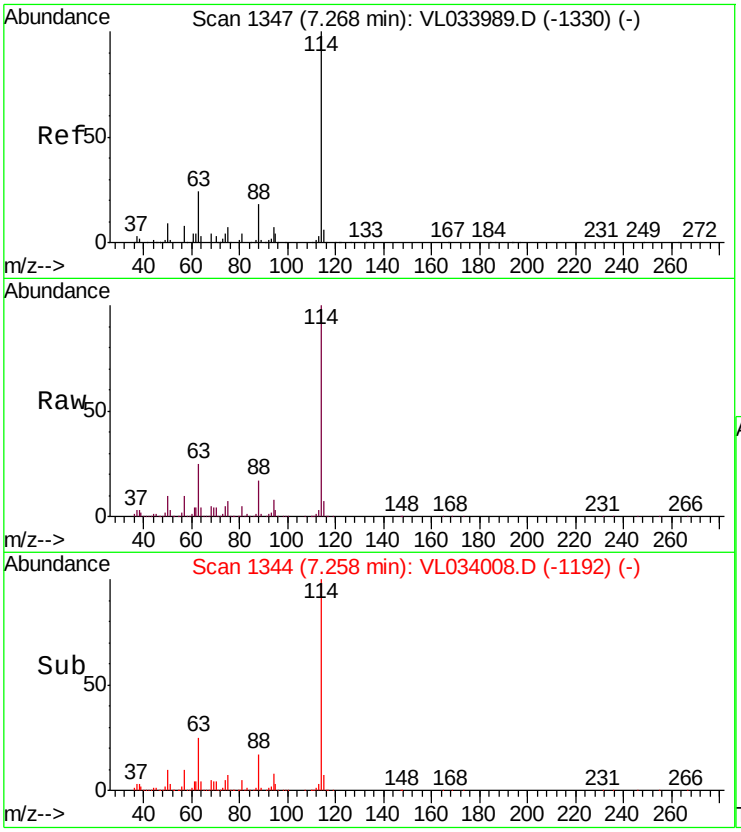


#32
1,1,1-Trichloroethane
Concen: 9.257 ppbv
RT: 6.59 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 97 Resp: 2024416

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	48.1	39.8	59.8



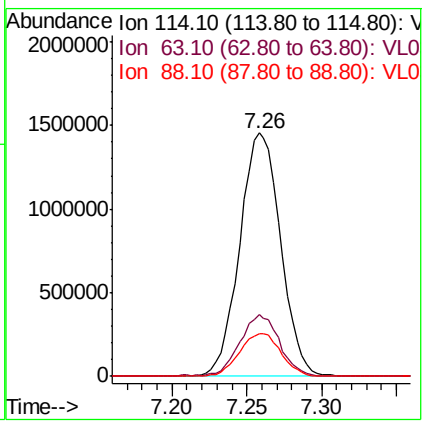


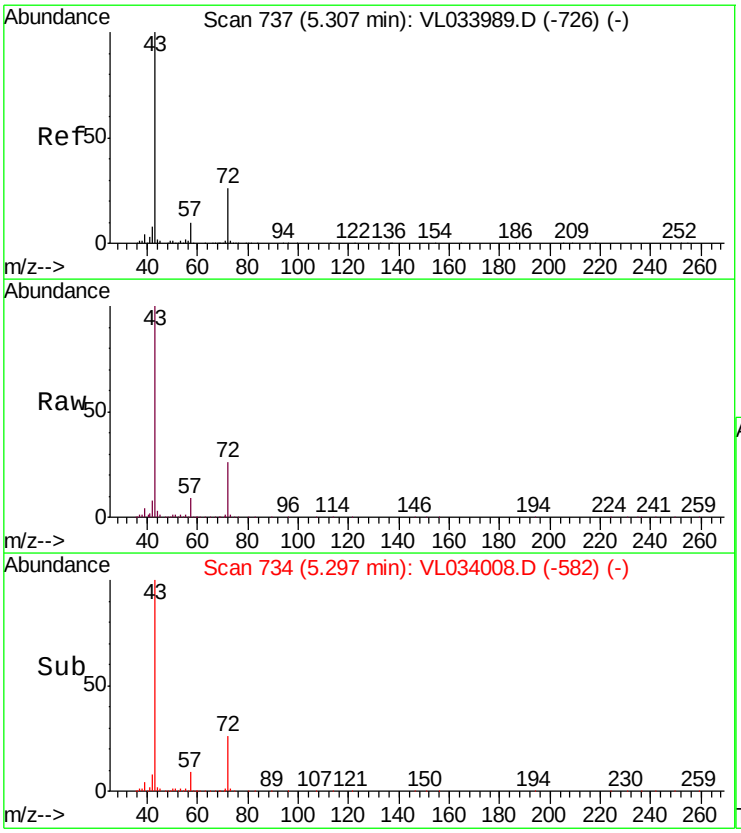
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2763482

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.9	14.1	21.1

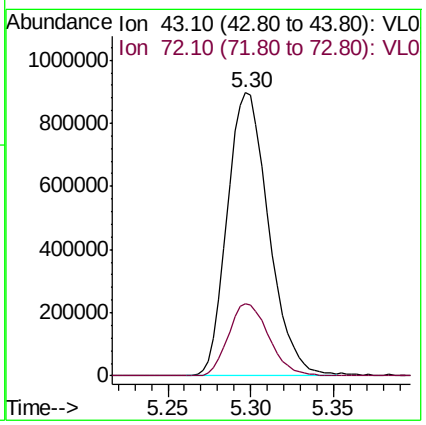


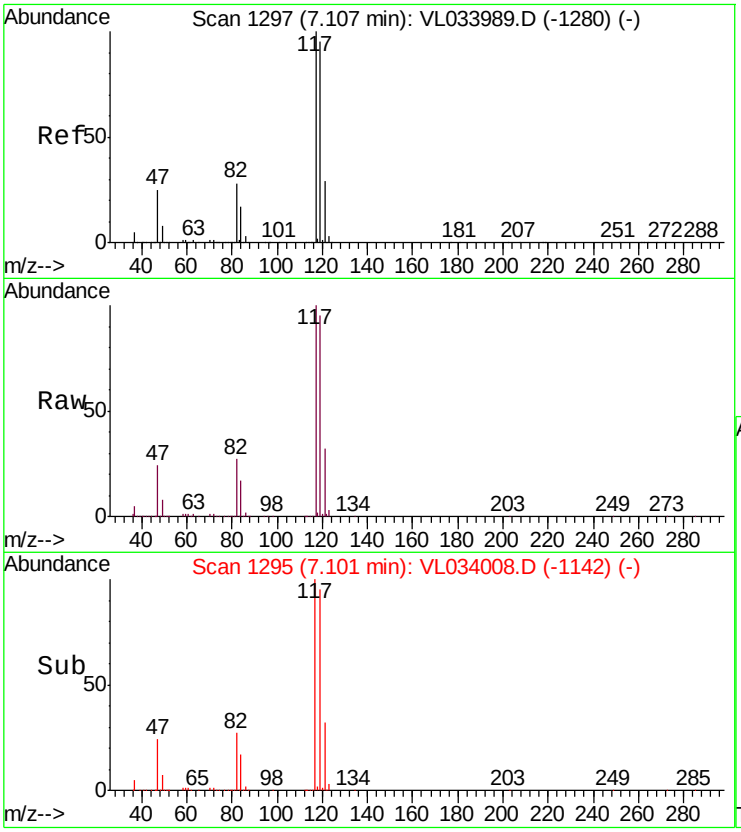


#34
2-Butanone
Concen: 10.628 ppbv
RT: 5.30 min Scan# 734
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 43 Resp: 1554342

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.9	29.9



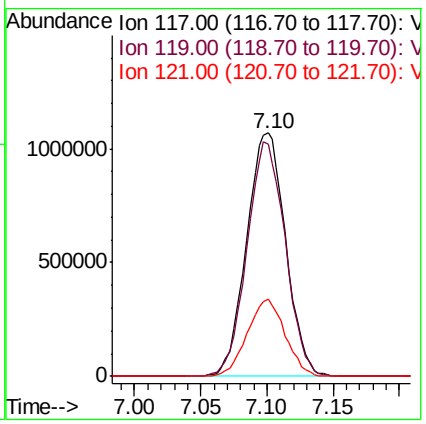


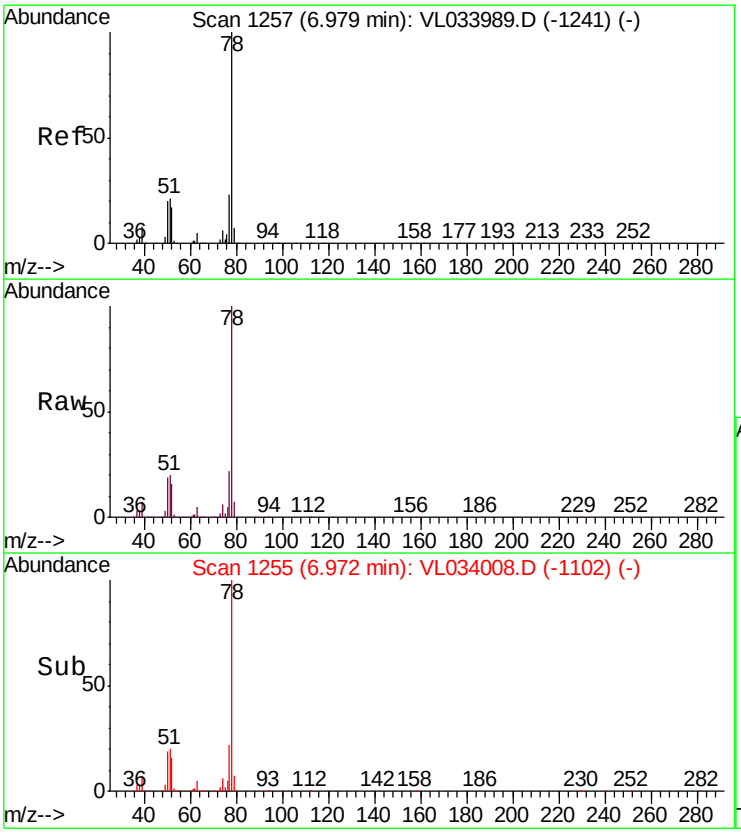
#35
Carbon Tetrachloride
Concen: 10.043 ppbv
RT: 7.10 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2197032

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.6
121	31.9	23.4	35.2

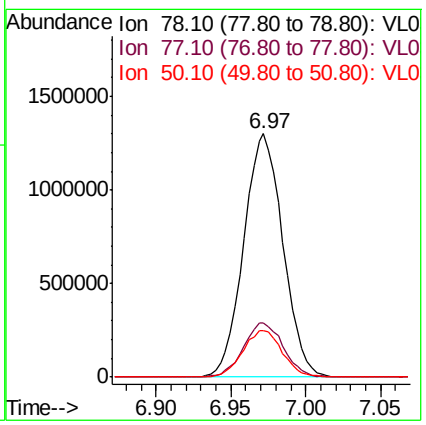


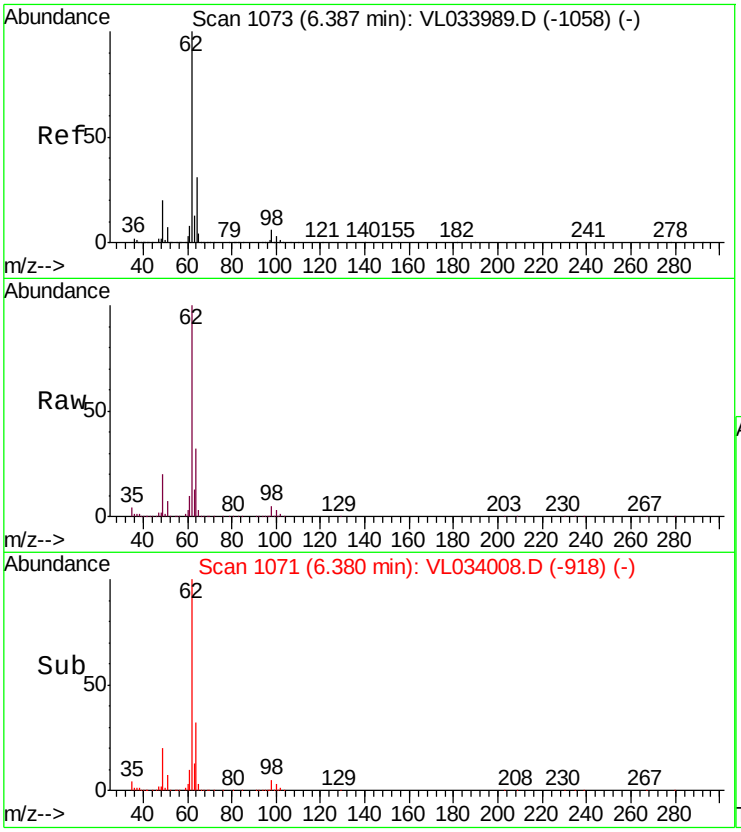


#36
Benzene
Concen: 10.976 ppbv
RT: 6.97 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 78 Resp: 2373418

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.7	28.1
50	19.2	16.2	24.2



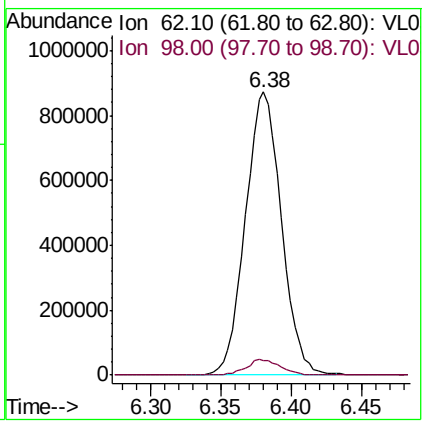


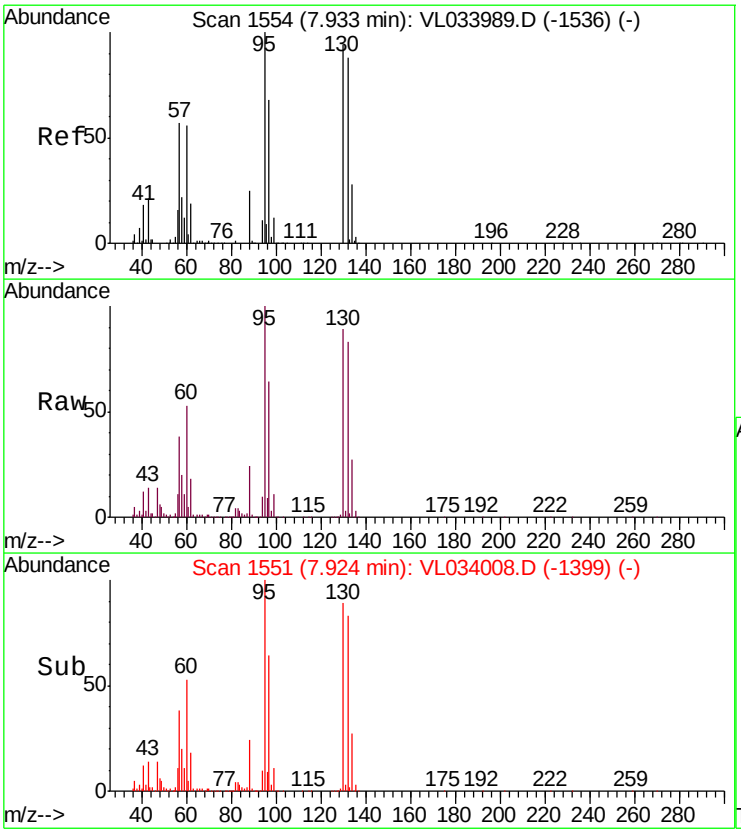
#37
1,2-Dichloroethane
Concen: 9.799 ppbv
RT: 6.38 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1560983

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.4	6.6

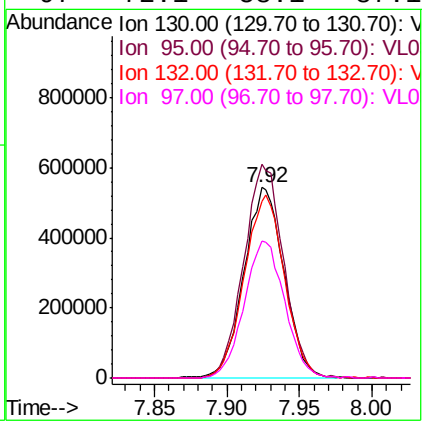


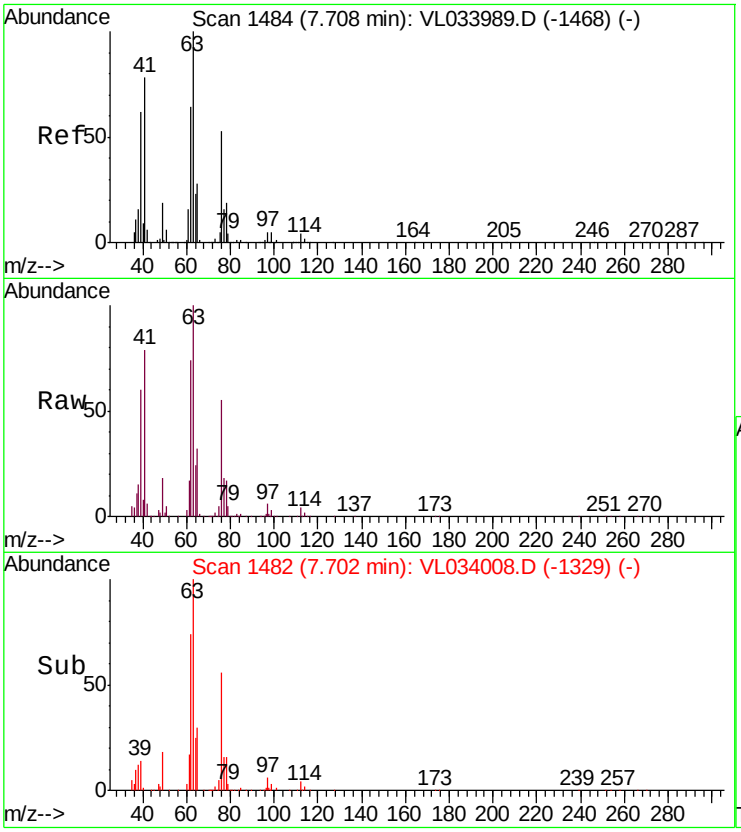


#38
Trichloroethene
Concen: 10.779 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:130 Resp: 1037109

Ion	Ratio	Lower	Upper
130	100		
95	112.4	85.5	128.3
132	92.7	75.1	112.7
97	72.1	58.1	87.1



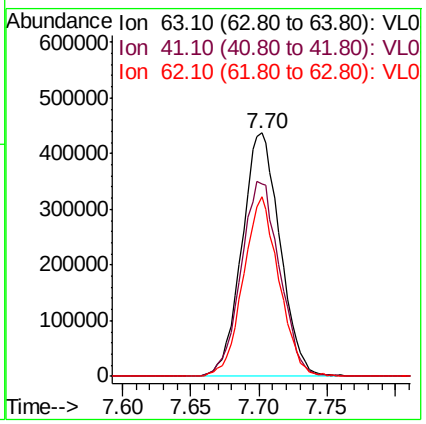


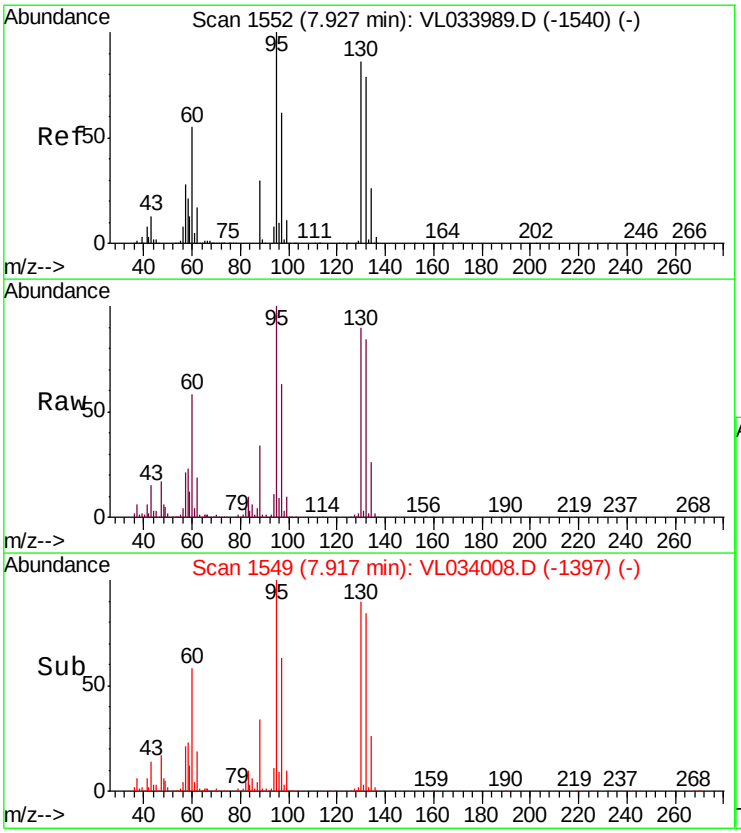
#39
1,2-Dichloropropane
Concen: 10.540 ppbv
RT: 7.70 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 847491

Ion	Ratio	Lower	Upper
63	100		
41	78.8	62.3	93.5
62	73.7	51.4	77.2

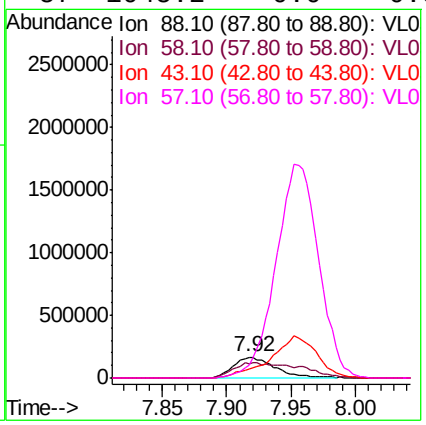


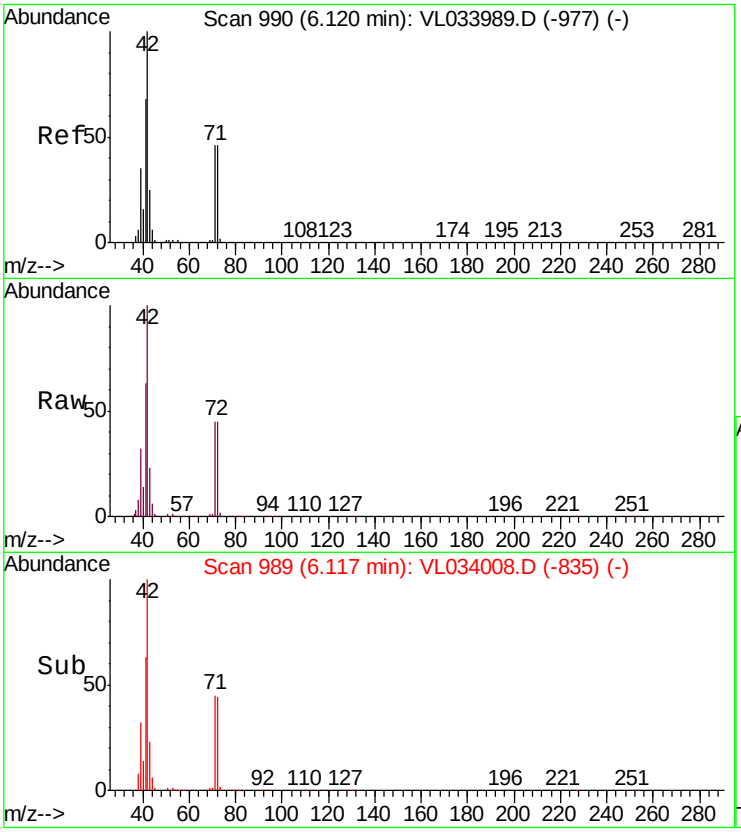


#40
1,4-Dioxane
Concen: 10.156 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 88 Resp: 377025

Ion	Ratio	Lower	Upper
88	100		
58	119.1	99.1	148.7
43	221.1	0.0	0.0#
57	1045.2	0.0	0.0#



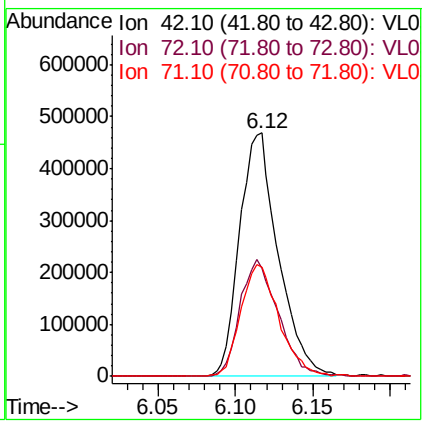


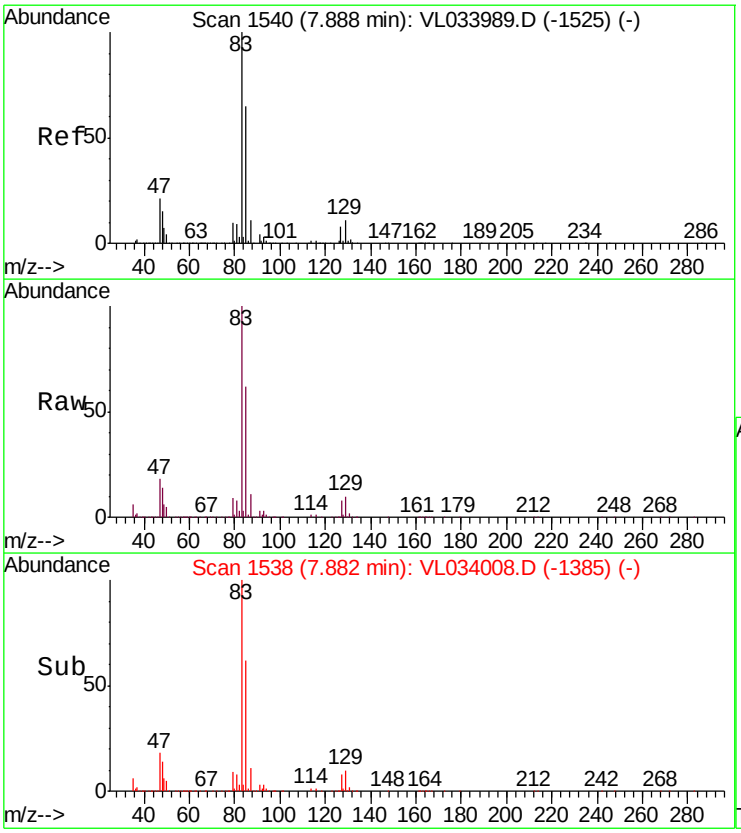
#41
Tetrahydrofuran
Concen: 11.393 ppbv
RT: 6.12 min Scan# 989
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 817177

Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.3	55.9
71	45.8	36.2	54.2

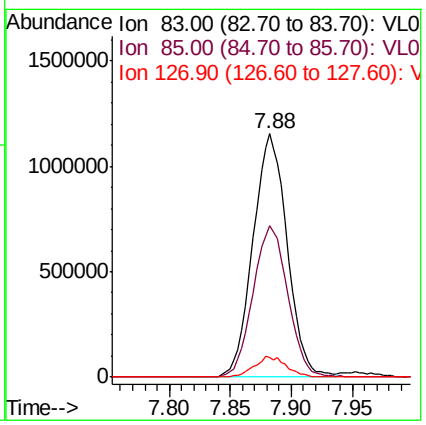


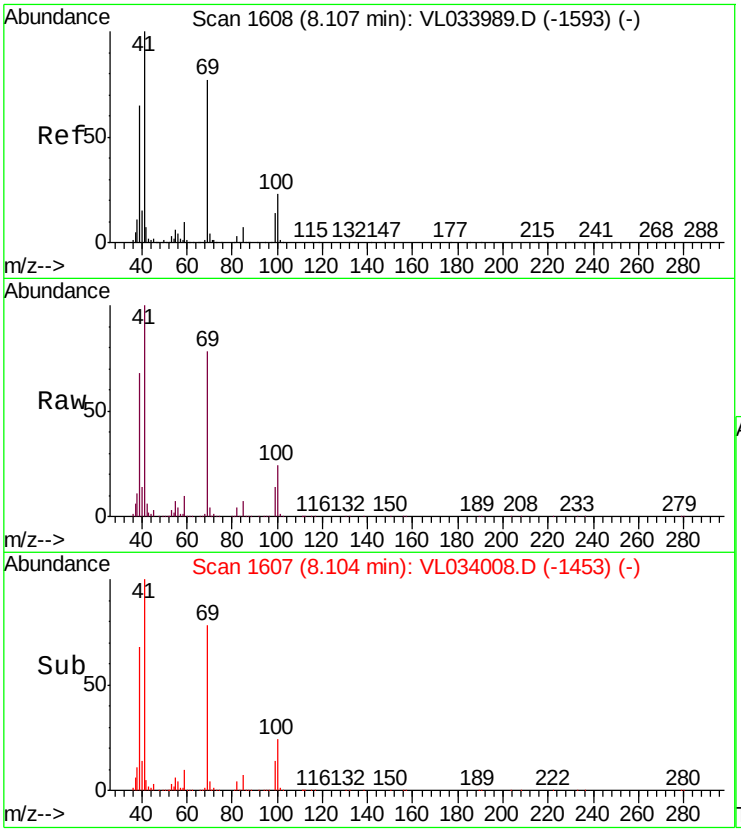


#42
Bromodichloromethane
Concen: 10.451 ppbv
RT: 7.88 min Scan# 1538
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 83 Resp: 2233876

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.2	6.5	9.7



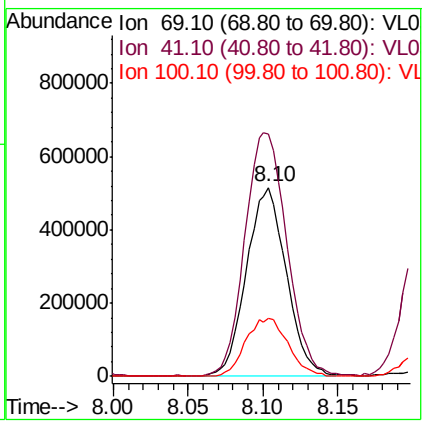


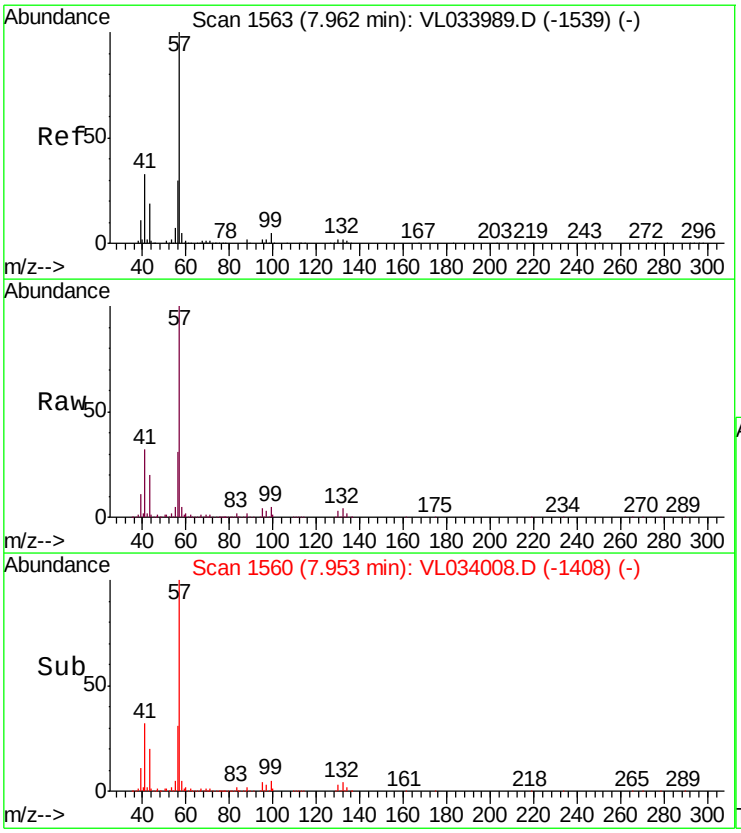
#43
Methyl Methacrylate
Concen: 11.660 ppbv
RT: 8.10 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 956622

Ion	Ratio	Lower	Upper
69	100		
41	136.3	109.1	163.7
100	32.6	25.3	37.9

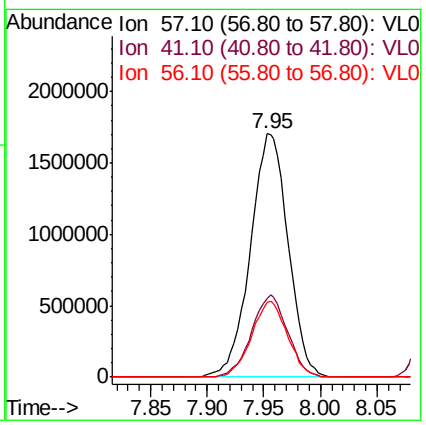


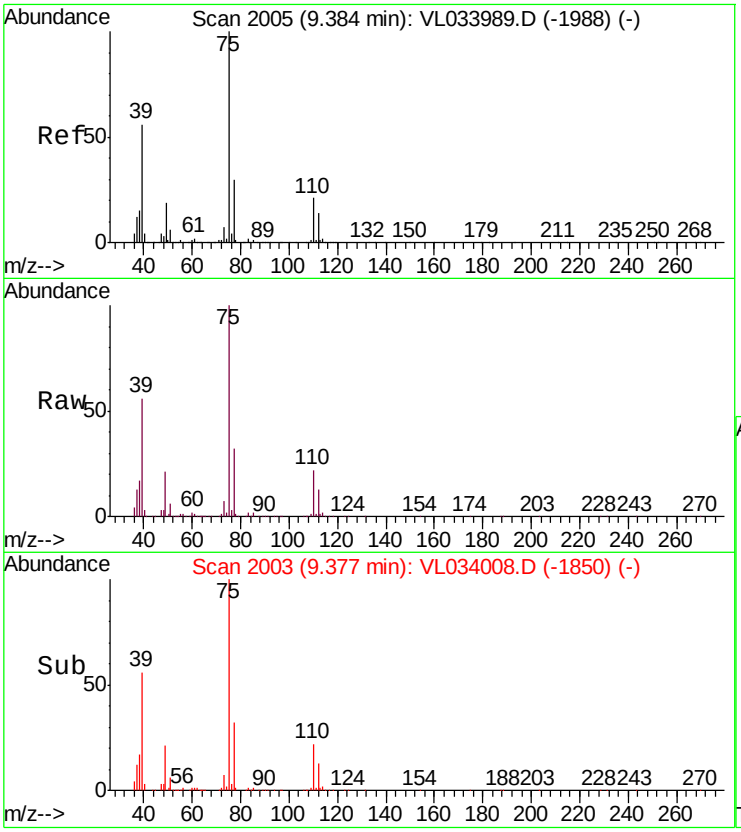


#44
2,2,4-Trimethylpentane
Concen: 10.537 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 57 Resp: 3932945

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.1	39.1
56	29.9	24.4	36.6



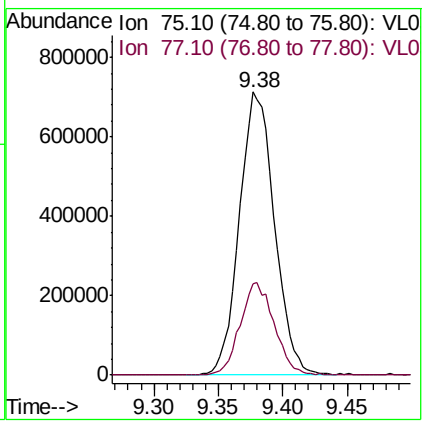


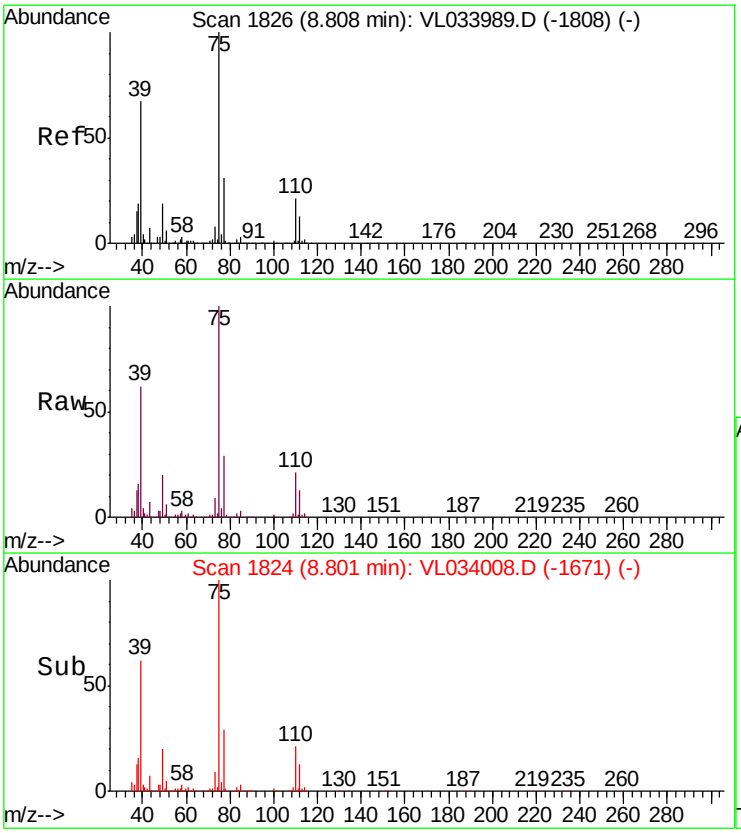
#45
t-1,3-Dichloropropene
Concen: 12.617 ppbv
RT: 9.38 min Scan# 2003
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1353588

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.3	36.5

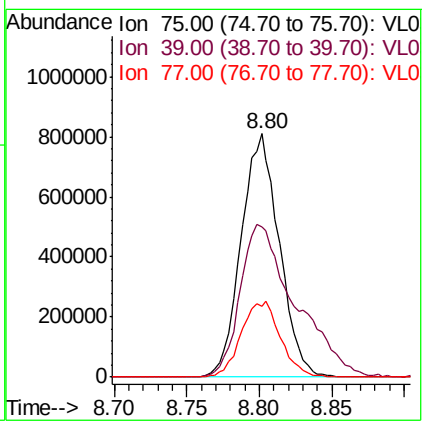


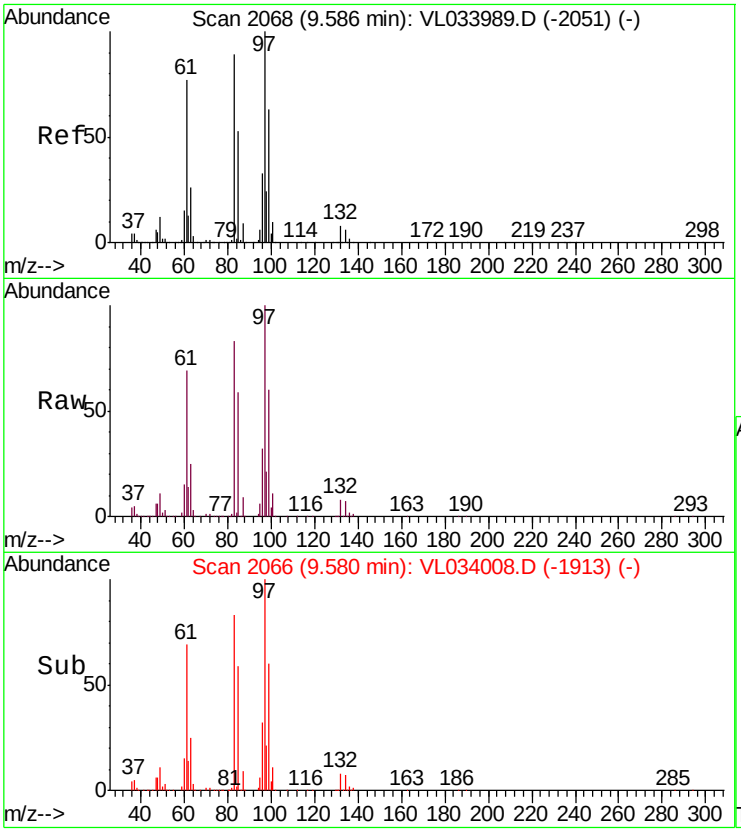


#46
cis-1,3-Dichloropropene
Concen: 11.926 ppbv
RT: 8.80 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 75 Resp: 1481851

Ion	Ratio	Lower	Upper
75	100		
39	61.7	53.8	80.6
77	29.2	24.5	36.7



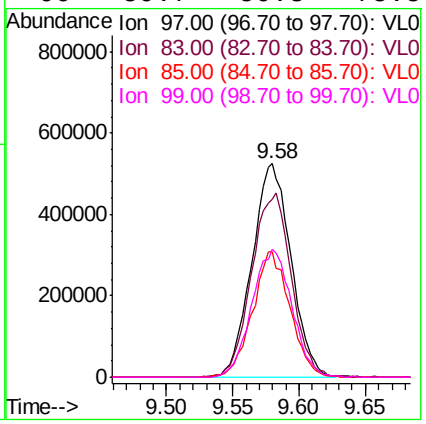


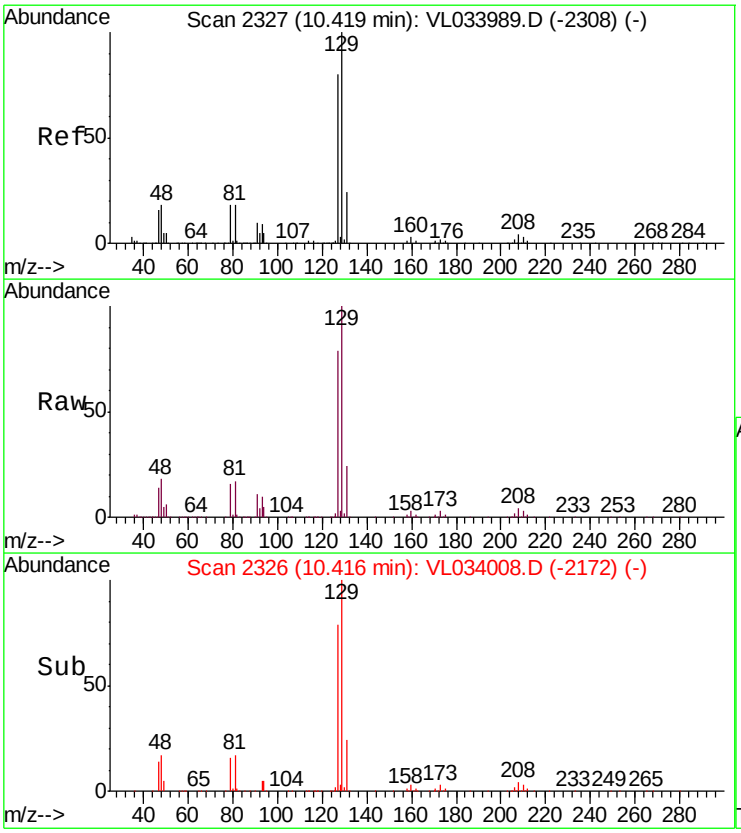
#47
1,1,2-Trichloroethane
Concen: 10.643 ppbv
RT: 9.58 min Scan# 2066
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1075925

Ion	Ratio	Lower	Upper
97	100		
83	83.5	71.1	106.7
85	58.5	42.6	64.0
99	59.7	50.3	75.5

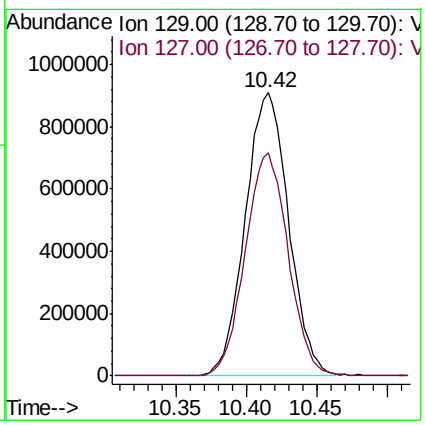


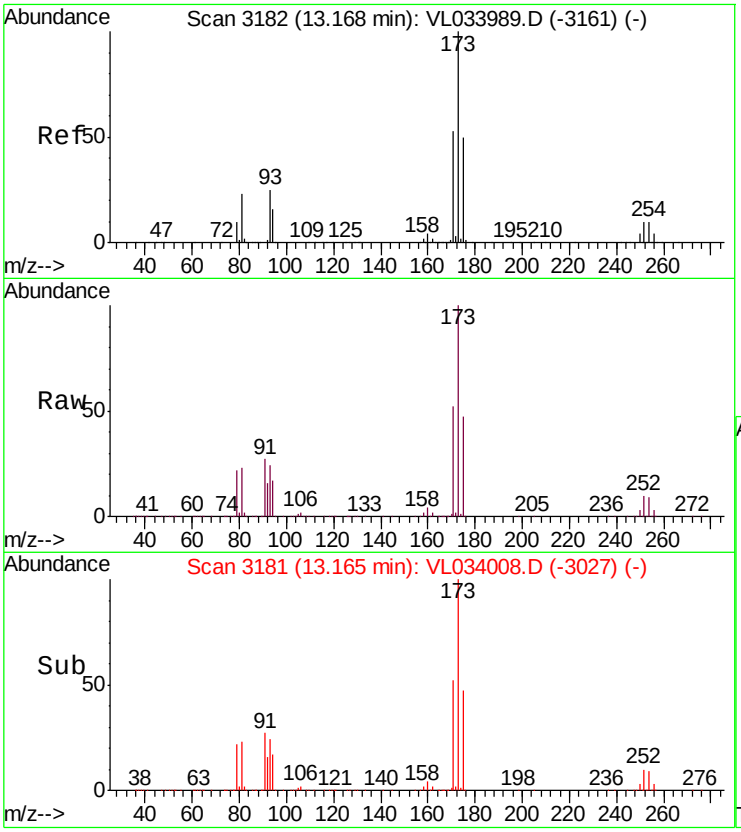


#48
Dibromochloromethane
Concen: 10.150 ppbv
RT: 10.42 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:129 Resp: 1958088

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3



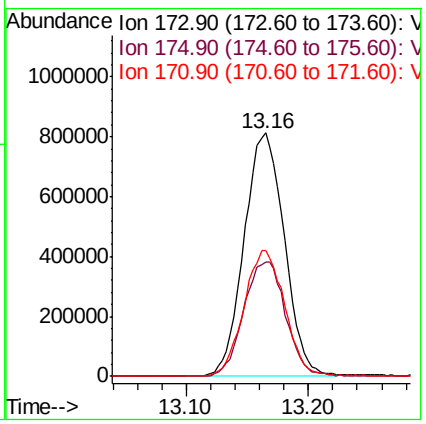


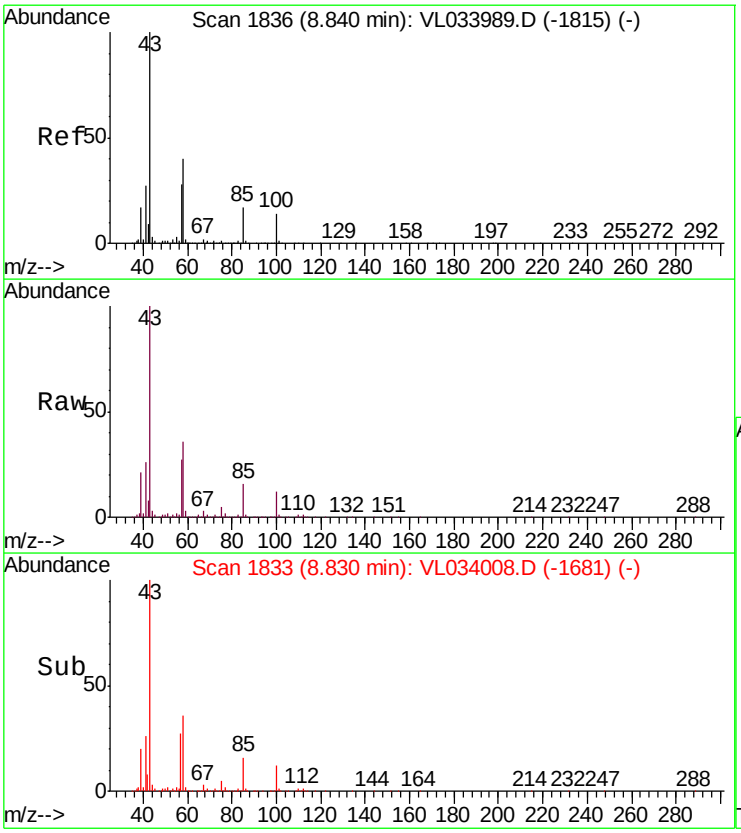
#49
Bromoform
Concen: 11.246 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1853404

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.3	58.9
171	52.5	41.4	62.0

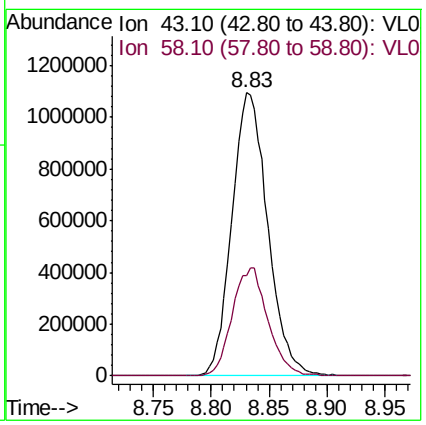


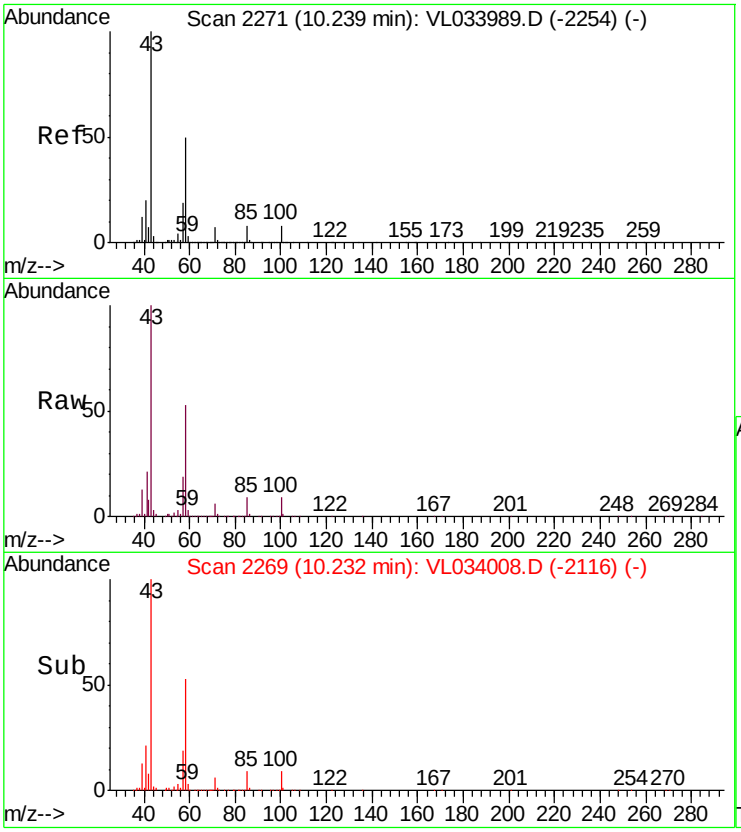


#50
4-Methyl-2-Pentanone
Concen: 10.810 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 43 Resp: 2346143

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5



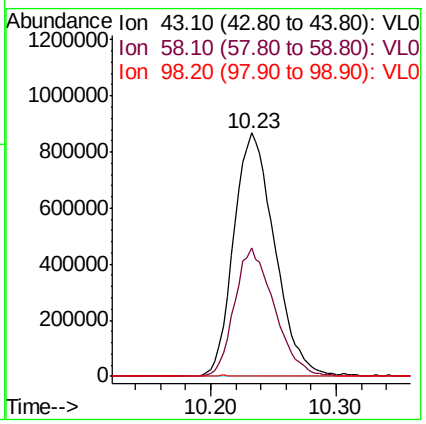


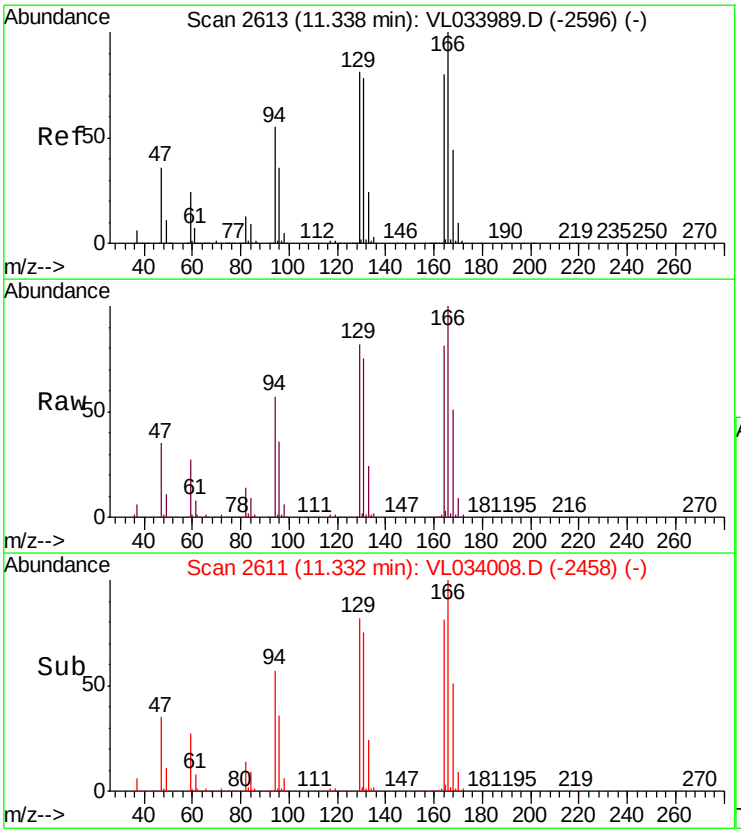
#51
2-Hexanone
Concen: 11.219 ppbv
RT: 10.23 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1963575

Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.0	61.4
98	0.5	0.2	0.2#

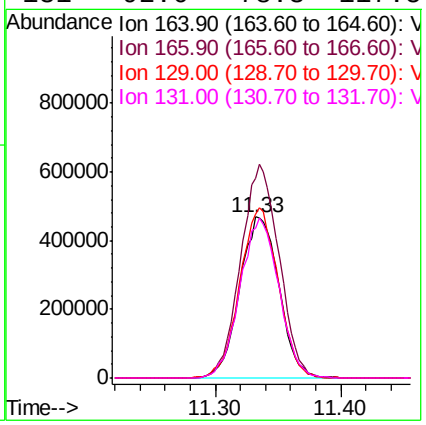


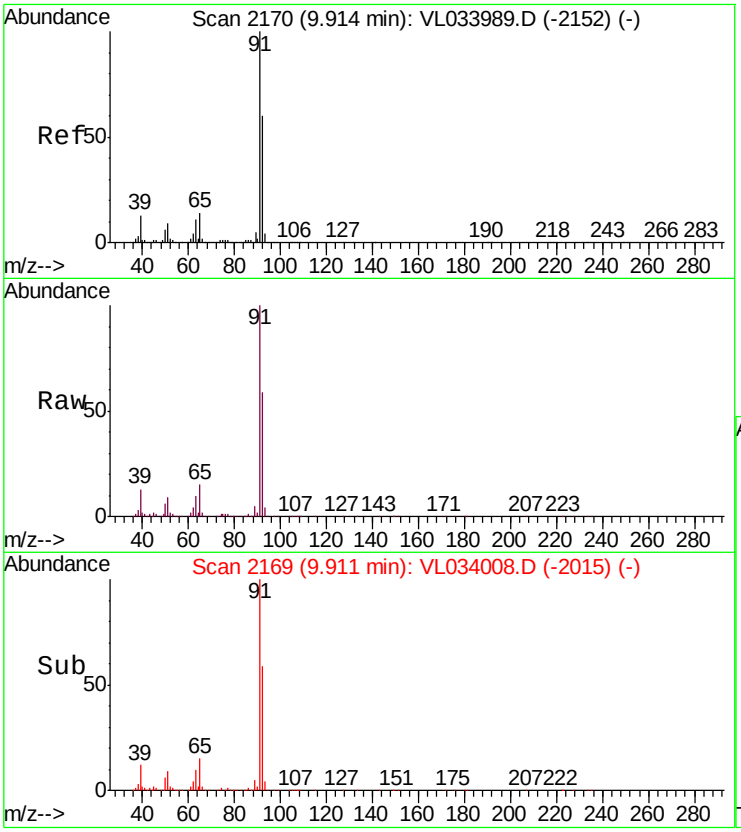


#52
Tetrachloroethene
Concen: 10.918 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:164 Resp: 1016134

Ion	Ratio	Lower	Upper
164	100		
166	124.1	100.2	150.2
129	101.5	81.0	121.6
131	92.6	78.3	117.5



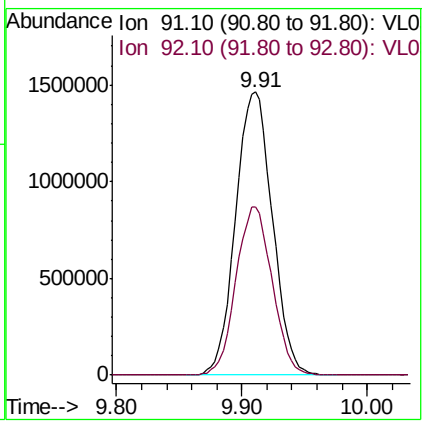


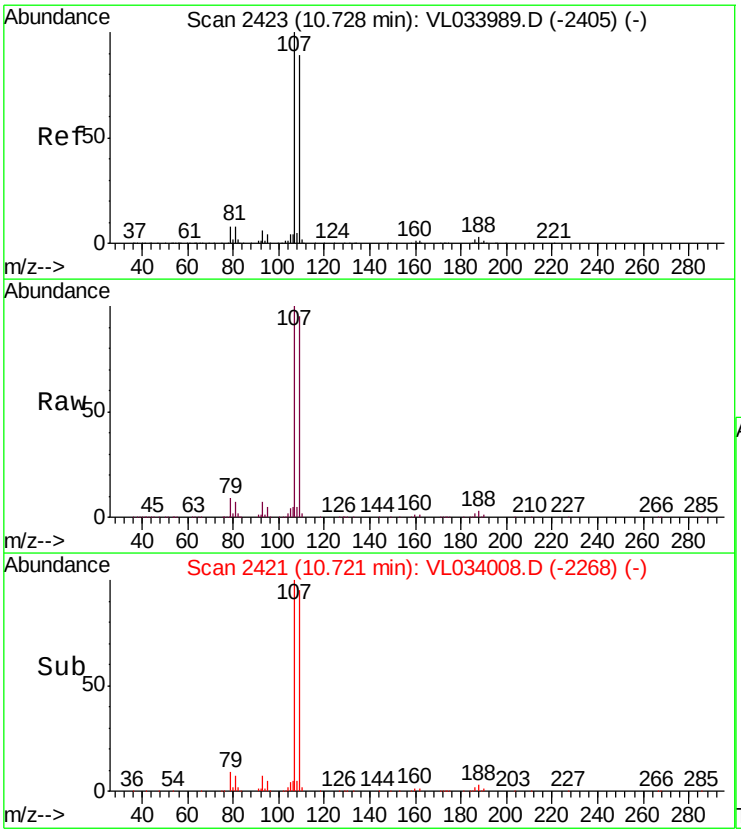
#53
Toluene
Concen: 12.028 ppbv
RT: 9.91 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2977137

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.7	71.5

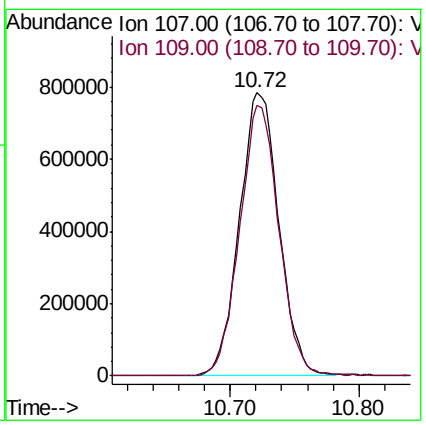


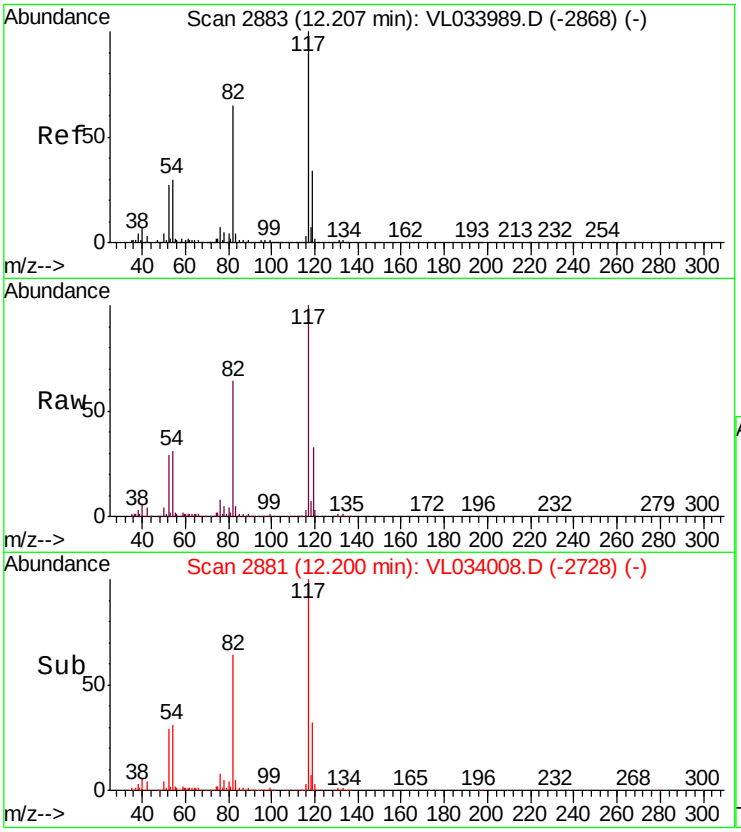


#54
1,2-Dibromoethane
Concen: 11.213 ppbv
RT: 10.72 min Scan# 2421
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:107 Resp: 1672916

Ion	Ratio	Lower	Upper
107	100		
109	95.4	71.5	107.3



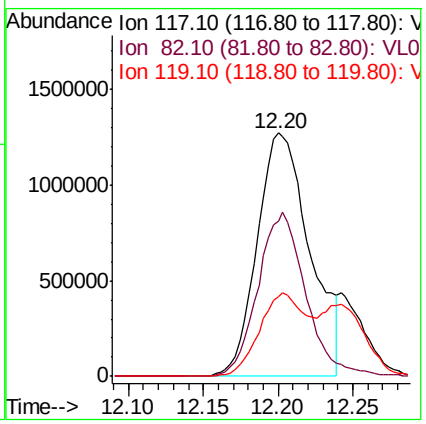


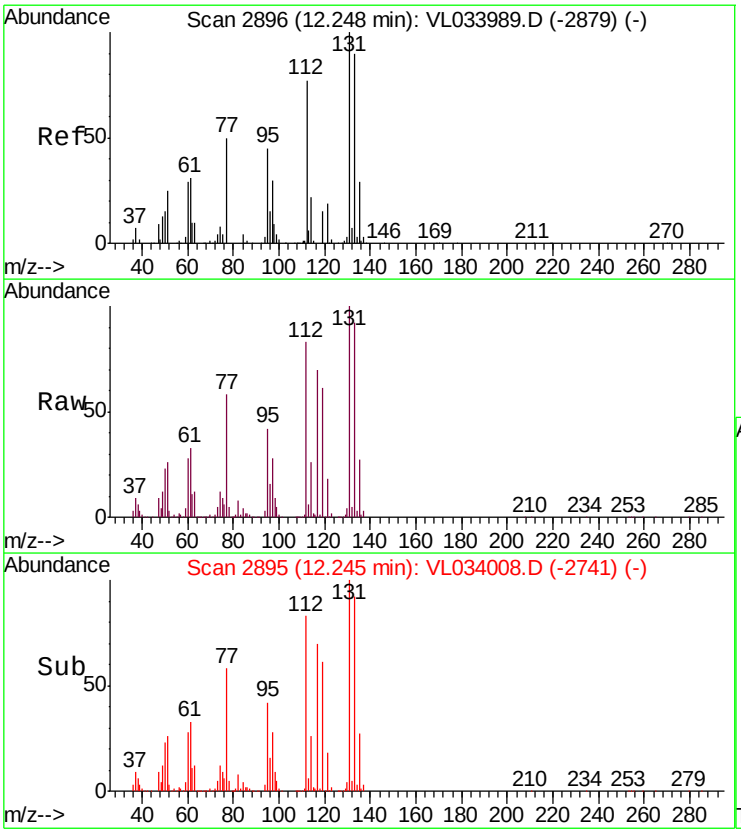
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 3115663

Ion	Ratio	Lower	Upper
117	100		
82	61.5	50.8	76.2
119	29.6	24.0	36.0

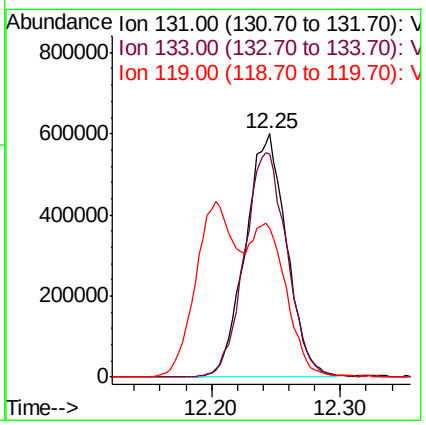


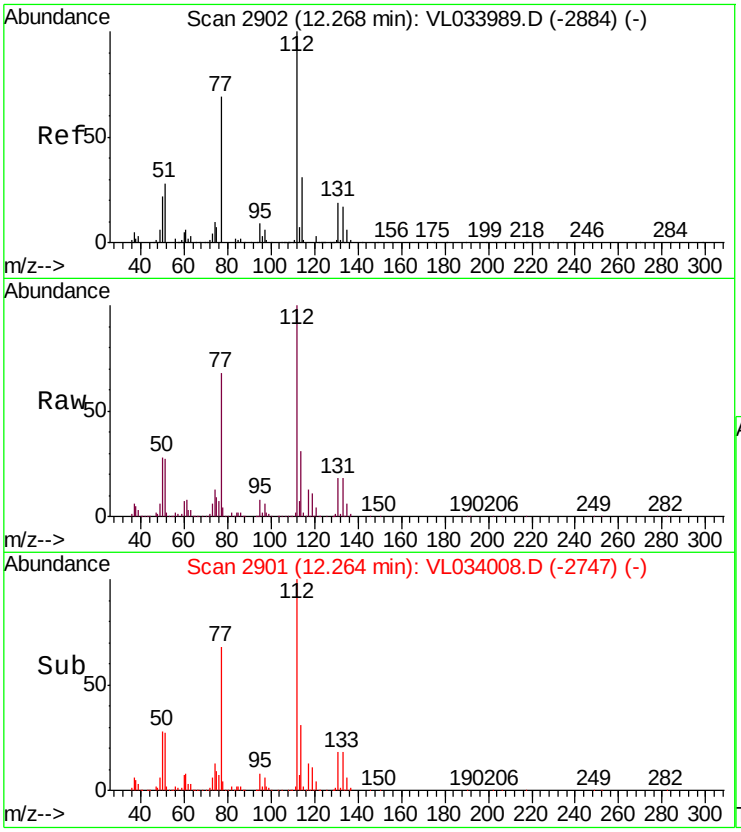


#56
1,1,1,2-Tetrachloroethane
Concen: 9.595 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:131 Resp: 1336074

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.2	114.2
119	56.0	43.1	64.7



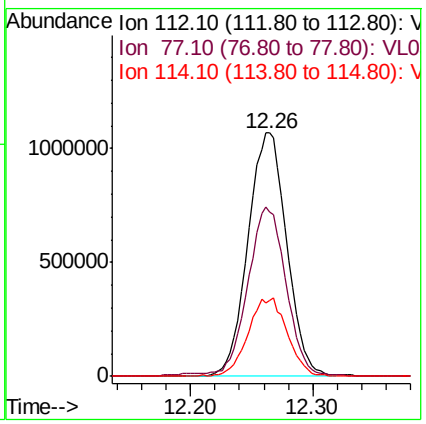


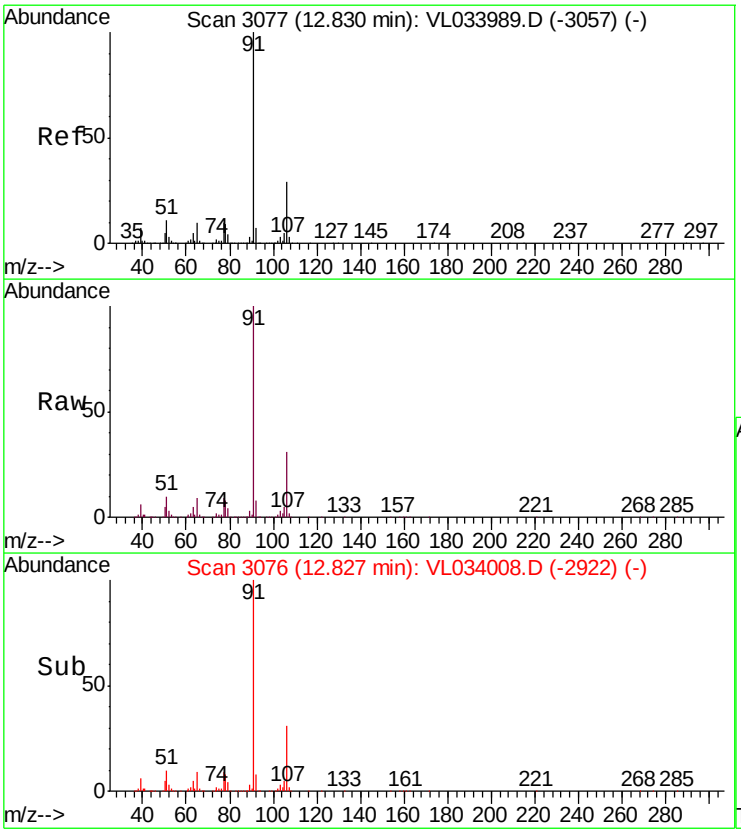
#57
Chlorobenzene
Concen: 9.447 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2343379

Ion	Ratio	Lower	Upper
112	100		
77	67.1	55.9	83.9
114	31.3	27.6	33.8

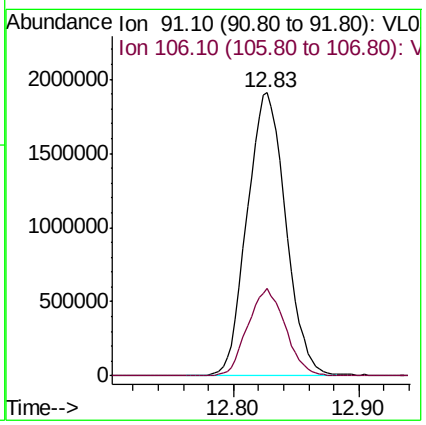


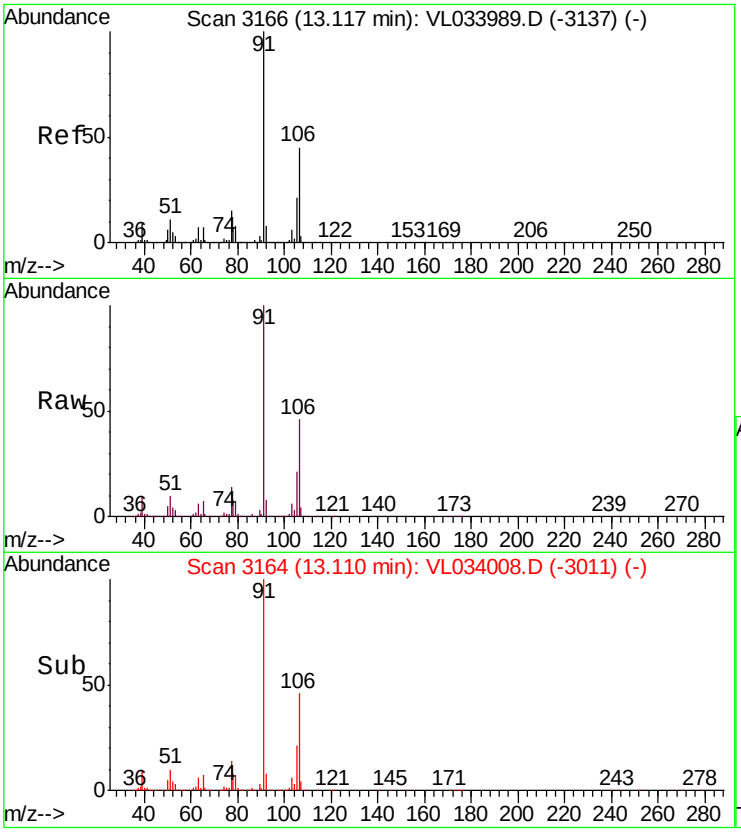


#58
Ethyl Benzene
Concen: 10.907 ppbv
RT: 12.83 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 4086656

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.3	34.9



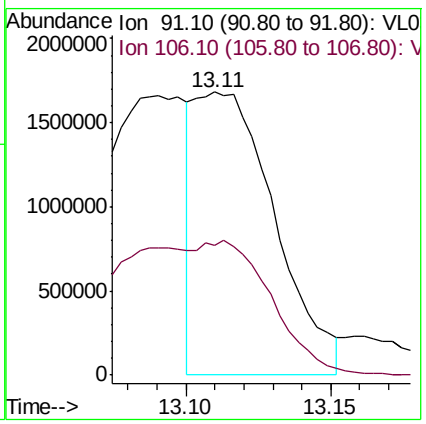


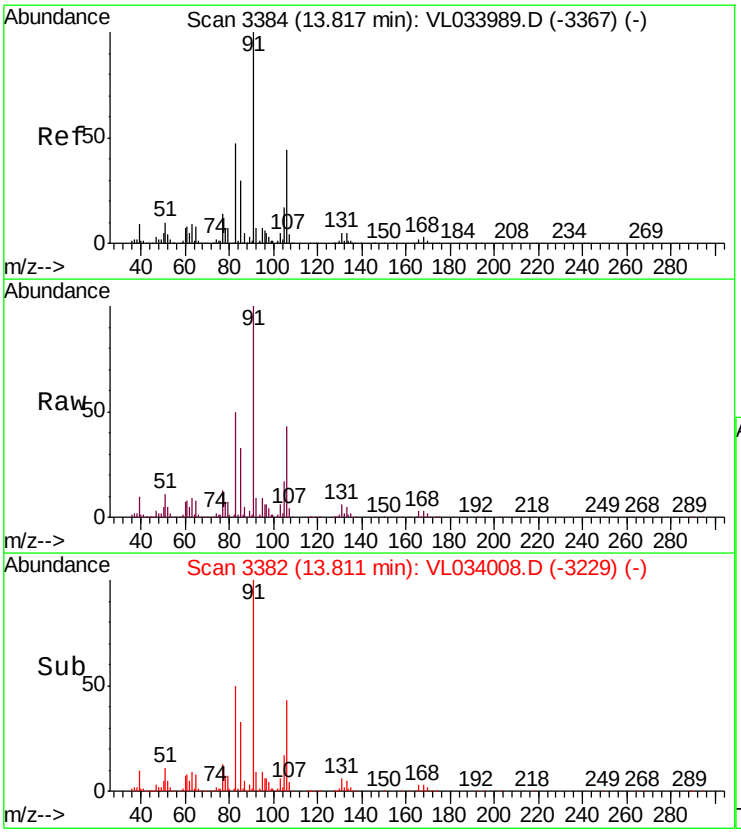
#59
m/p-Xylene
Concen: 9.417 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3194684

Ion	Ratio	Lower	Upper
91	100		
106	96.2	35.7	53.5#

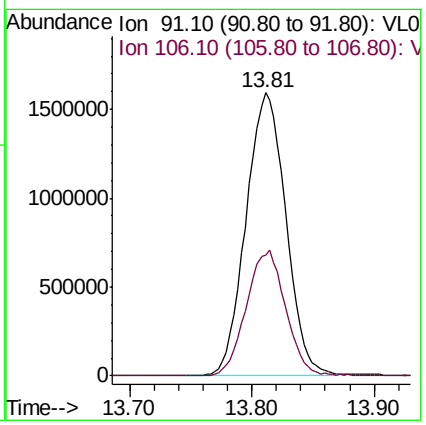


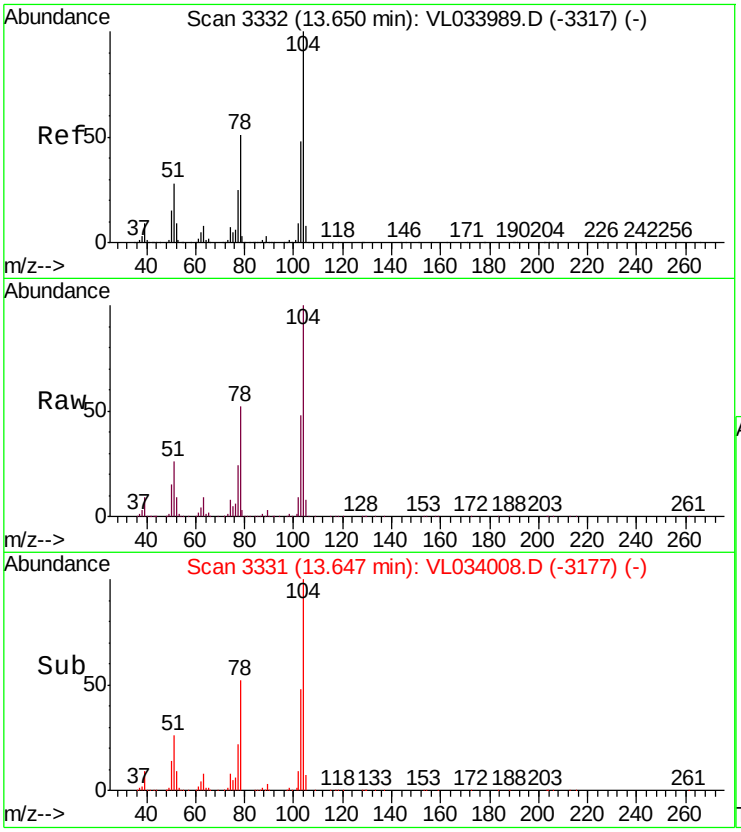


#60
o-Xylene
Concen: 10.613 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 3601805

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.9	65.7



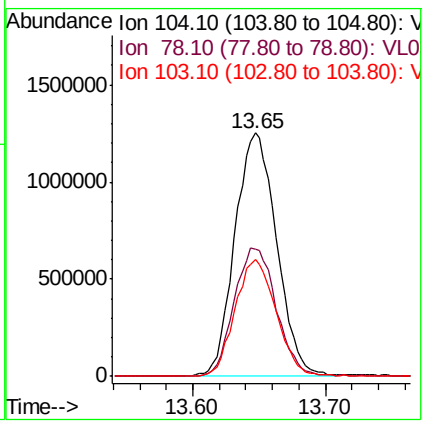


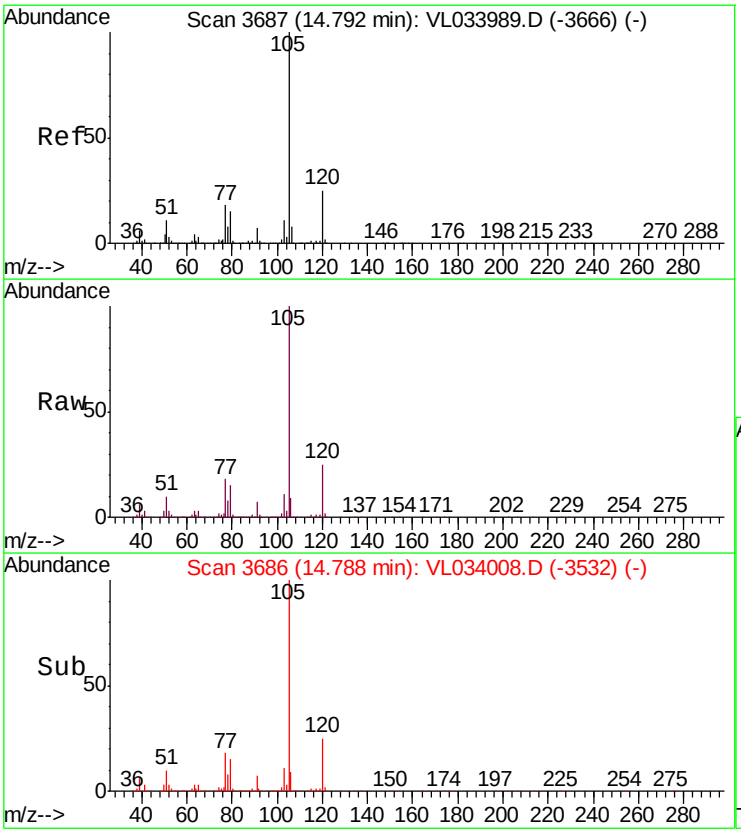
#61
Styrene
Concen: 12.143 ppbv
RT: 13.65 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2727398

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.9	65.9
103	47.7	38.1	57.1

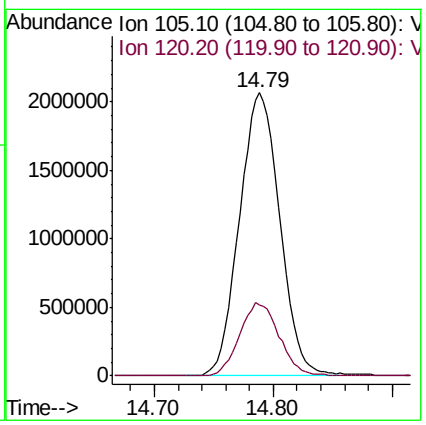


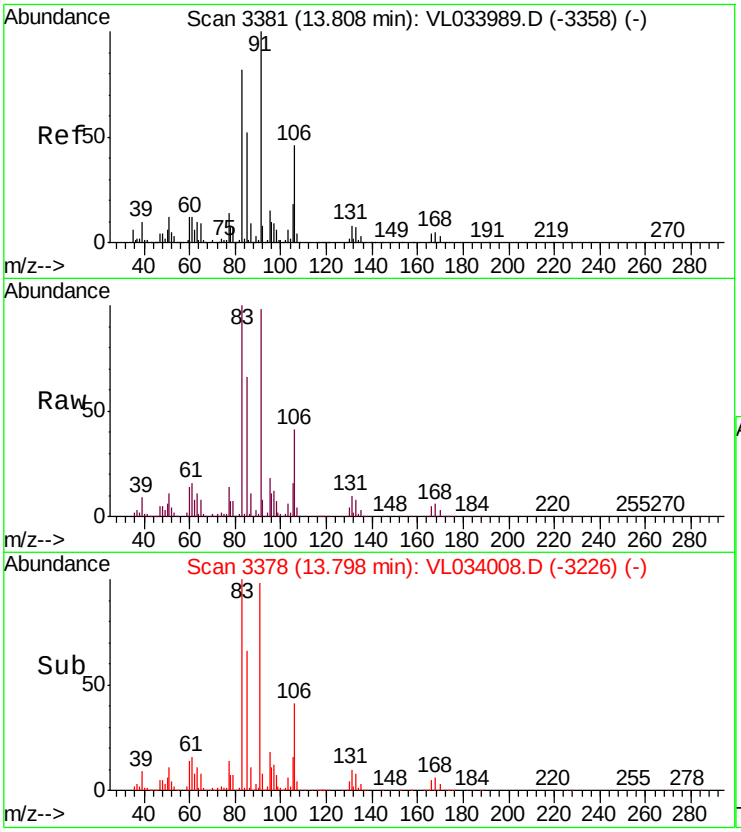


#62
Isopropylbenzene
Concen: 9.272 ppbv
RT: 14.79 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:105 Resp: 4837241

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6



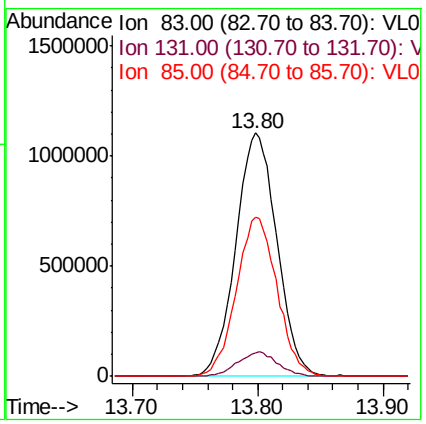


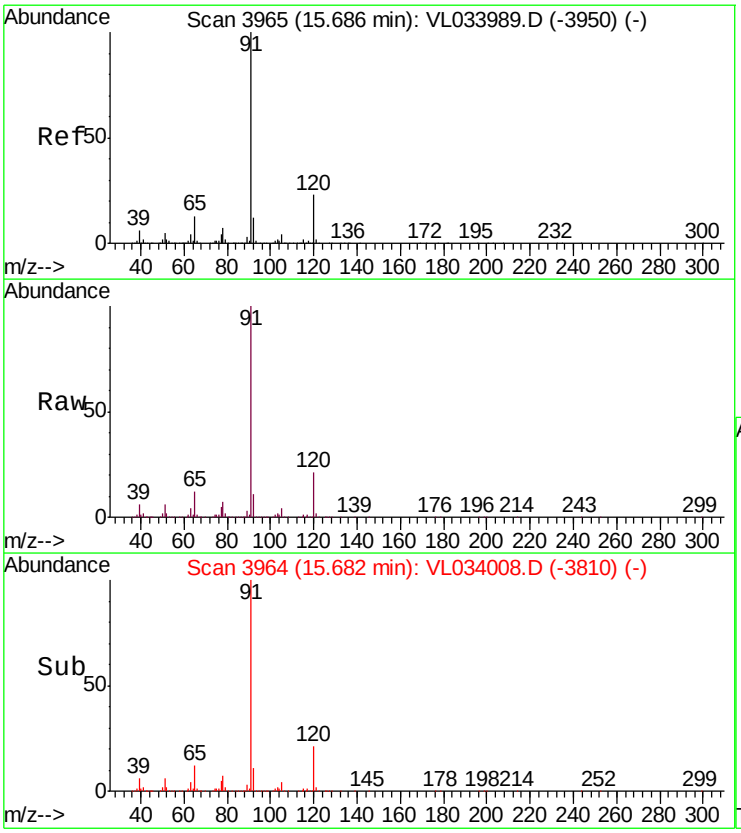
#63
1,1,2,2-Tetrachloroethane
Concen: 9.523 ppbv
RT: 13.80 min Scan# 3378
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2501696

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.3	32.8	98.3

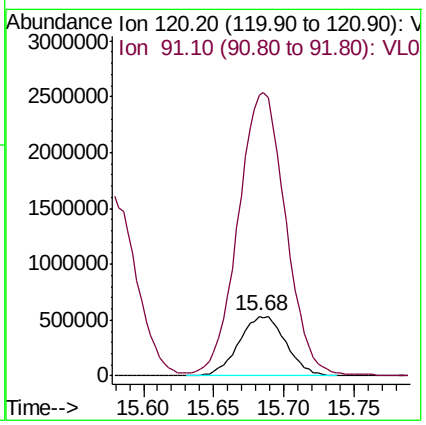


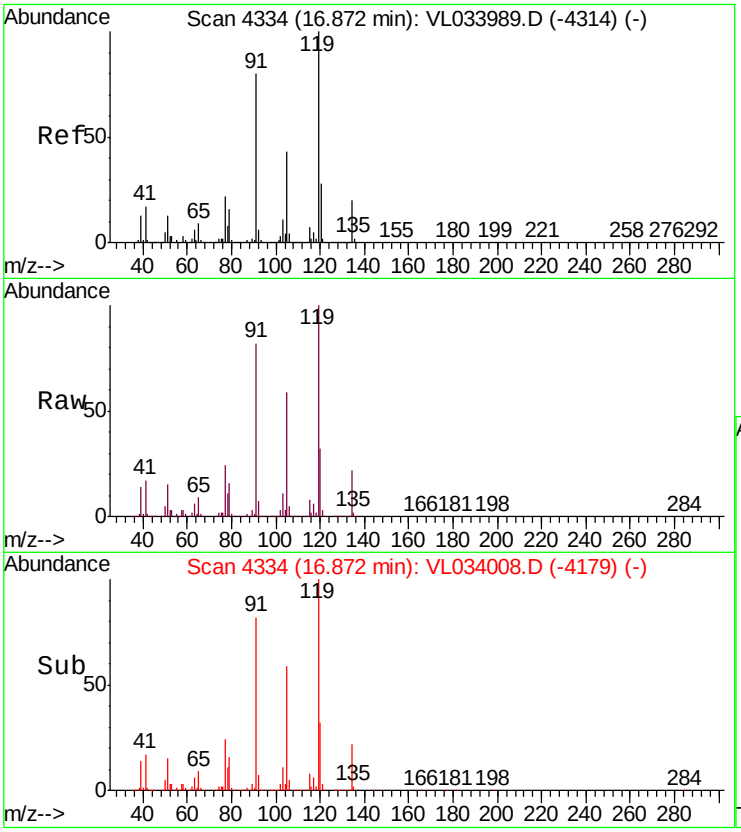


#64
n-propylbenzene
Concen: 9.100 ppbv
RT: 15.68 min Scan# 3964
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:120 Resp: 1231192

Ion	Ratio	Lower	Upper
120	100		
91	488.0	386.6	579.8



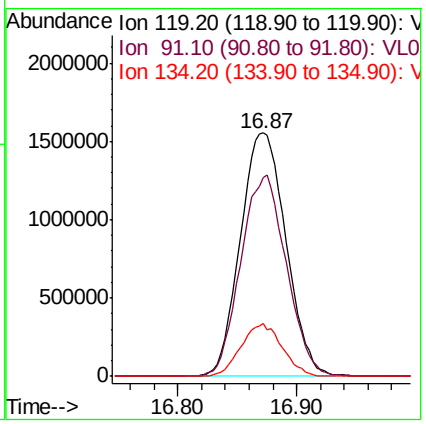


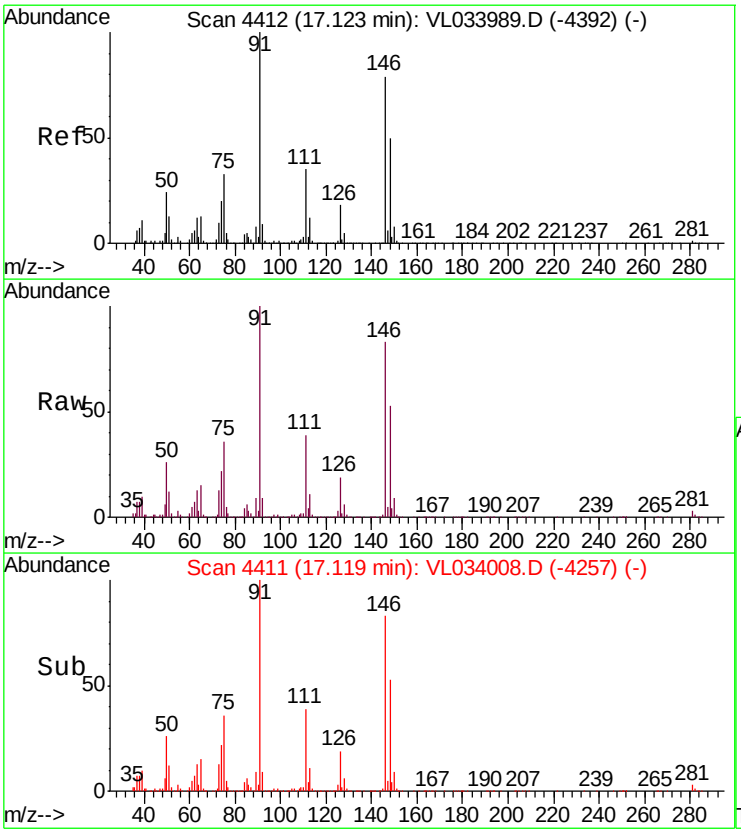
#65
tert-Butylbenzene
Concen: 9.291 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4122009

Ion	Ratio	Lower	Upper
119	100		
91	82.7	67.0	100.6
134	19.7	15.8	23.6

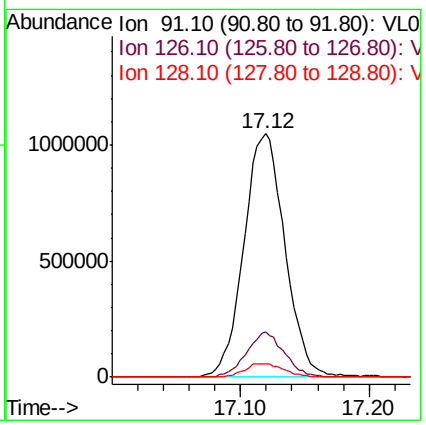


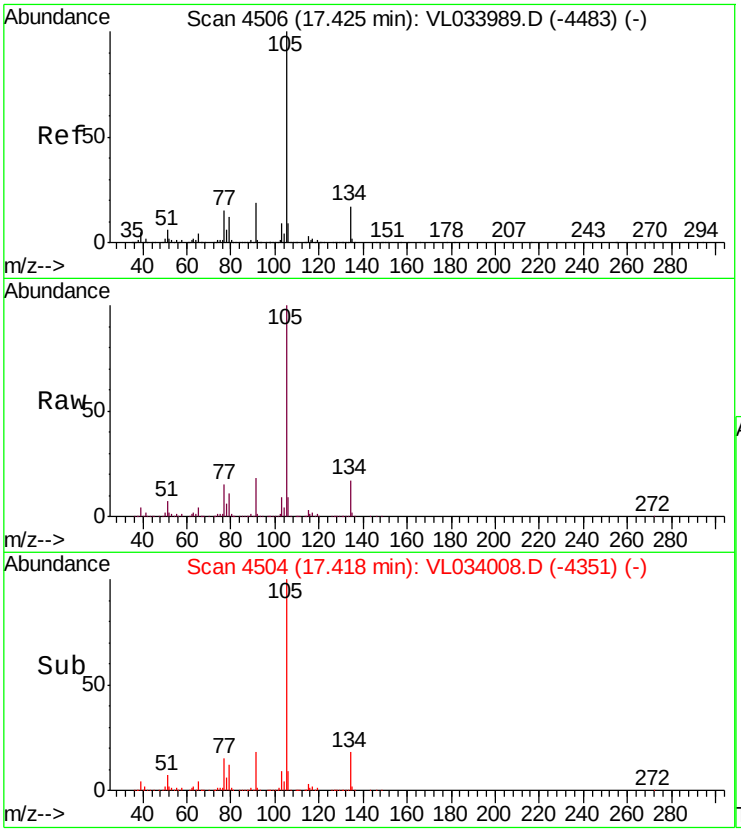


#66
Benzyl Chloride
Concen: 10.193 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 2313674

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.9	20.9
128	5.5	4.6	7.0



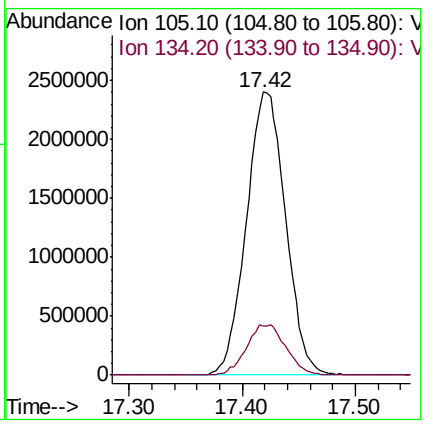


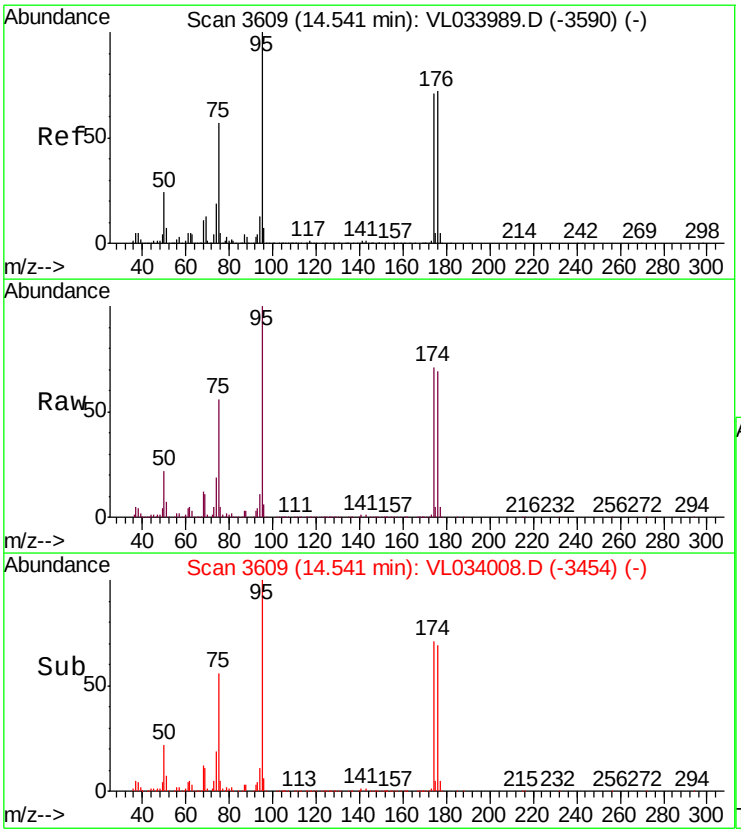
#67
sec-Butylbenzene
Concen: 9.262 ppbv
RT: 17.42 min Scan# 4504
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 5767941

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.7	22.1

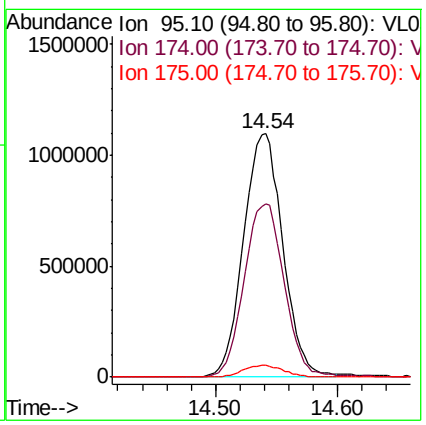


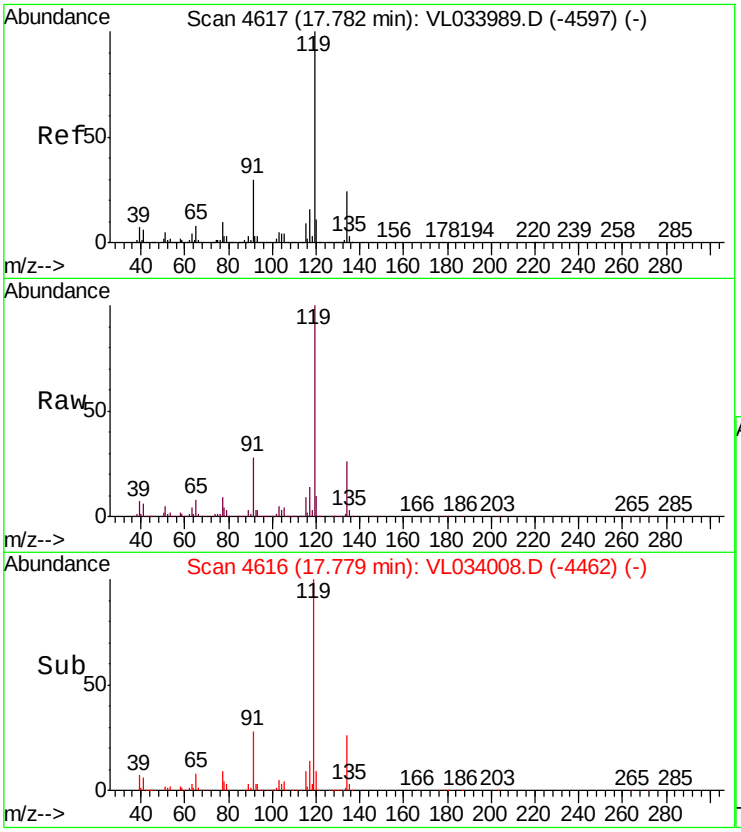


#68
1-Bromo-4-Fluorobenzene
Concen: 9.170 ppbv
RT: 14.54 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 95 Resp: 2436717

Ion	Ratio	Lower	Upper
95	100		
174	73.4	60.5	90.7
175	5.1	4.0	6.0



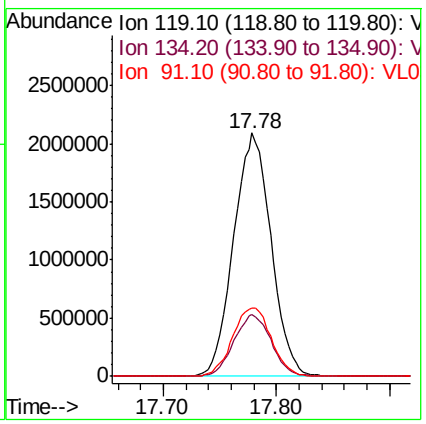


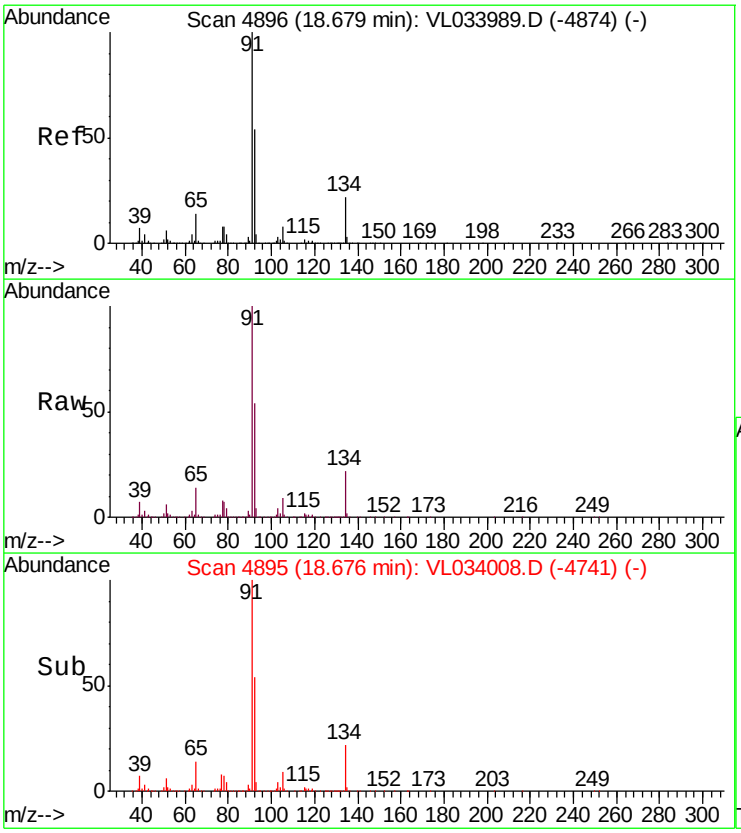
#69
p-Isopropyltoluene
Concen: 9.341 ppbv
RT: 17.78 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4795864

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	29.4	23.6	35.4

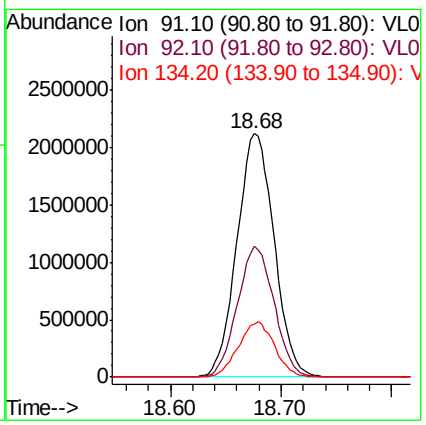


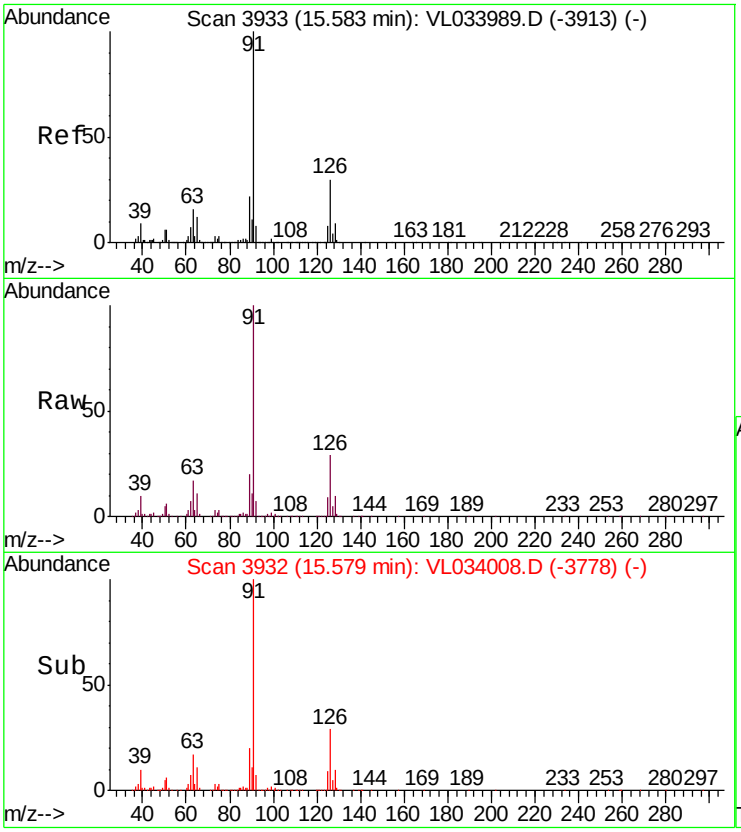


#70
n-Butylbenzene
Concen: 9.191 ppbv
RT: 18.68 min Scan# 4895
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 4957409

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.0	63.0
134	22.2	17.9	26.9



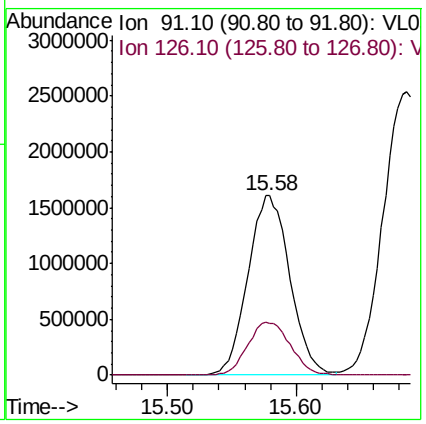


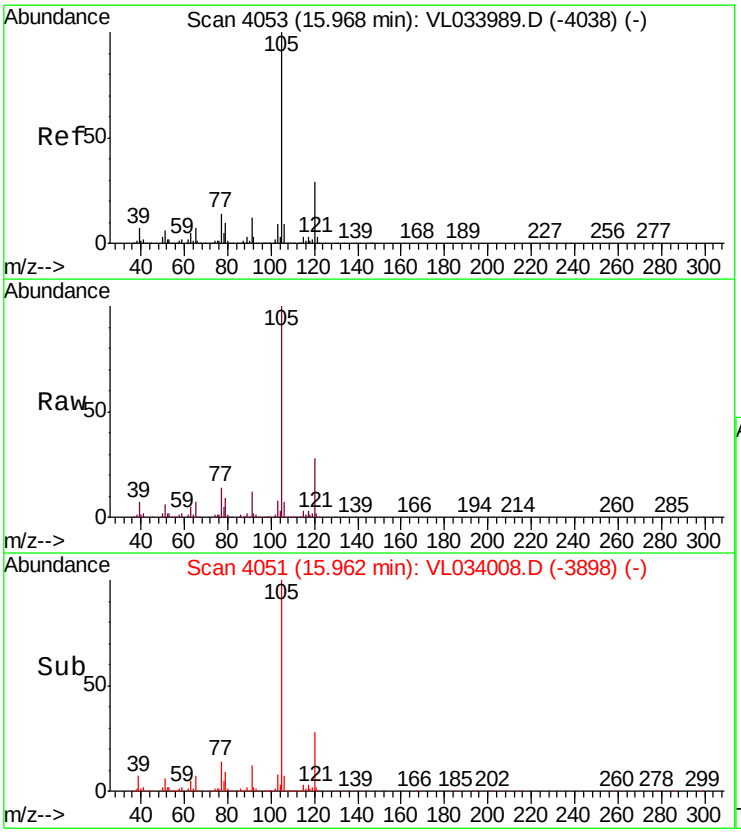
#71
2-Chlorotoluene
Concen: 9.557 ppbv
RT: 15.58 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3649054

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.3	49.3

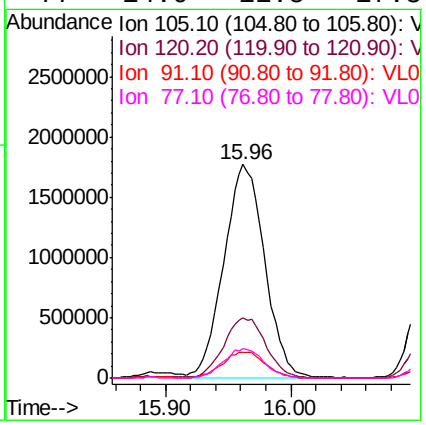


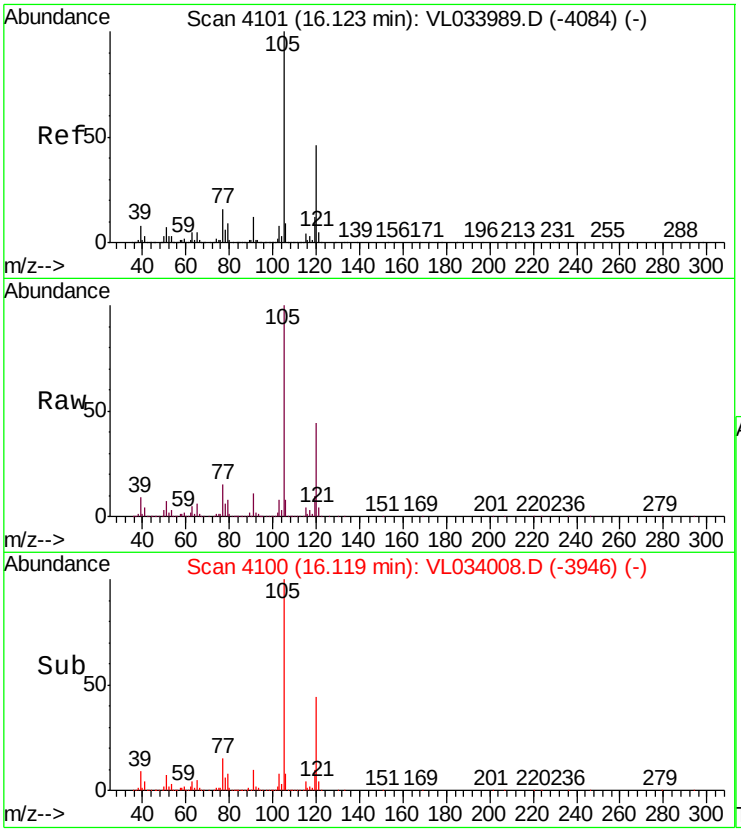


#72
4-Ethyltoluene
Concen: 9.114 ppbv
RT: 15.96 min Scan# 4051
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:105 Resp: 3972310

Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.1	36.1
91	12.9	10.6	16.0
77	14.0	11.5	17.3



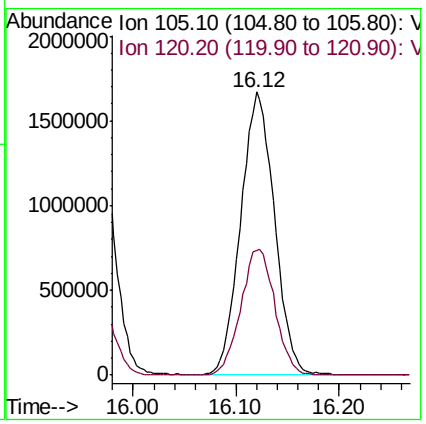


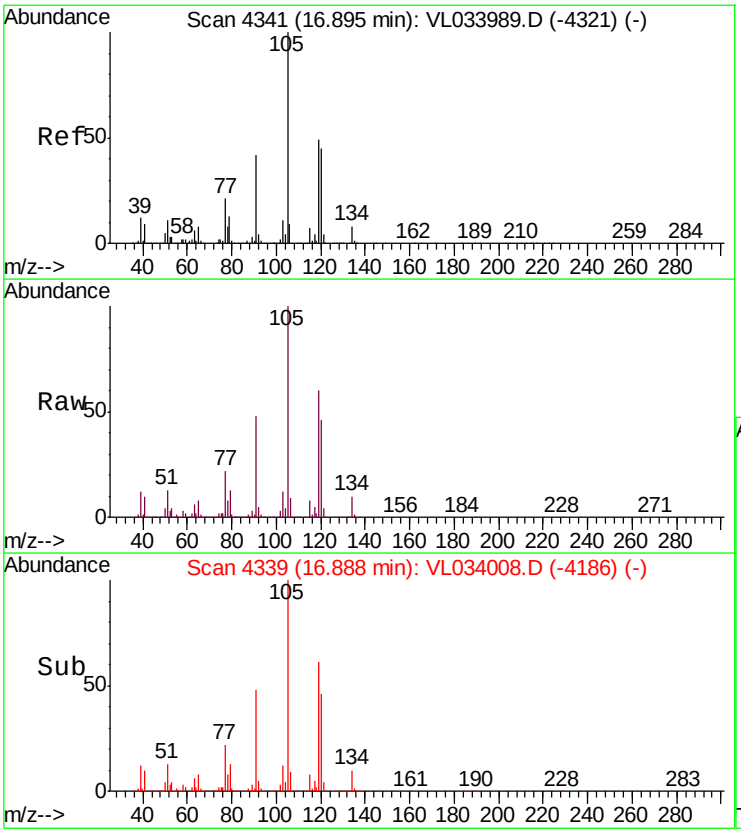
#73
1,3,5-Trimethylbenzene
Concen: 9.353 ppbv
RT: 16.12 min Scan# 4100
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3792959

Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.4	54.6

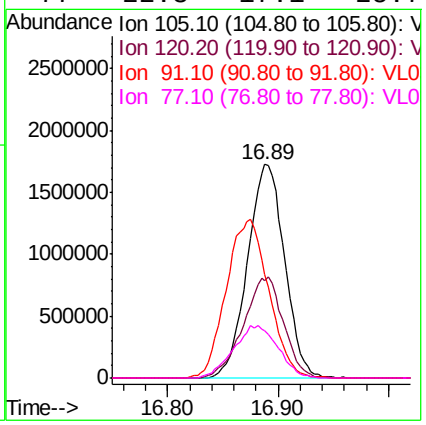


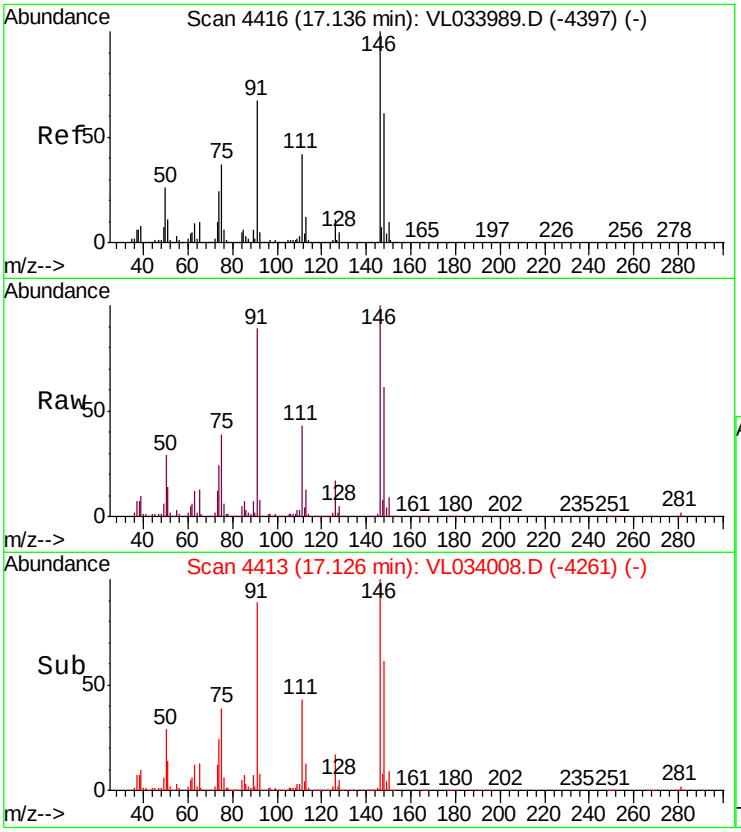


#74
1,2,4-Trimethylbenzene
Concen: 8.927 ppbv
RT: 16.89 min Scan# 4339
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:105 Resp: 4009443

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.2	54.2
91	48.1	34.3	51.5
77	22.3	17.1	25.7



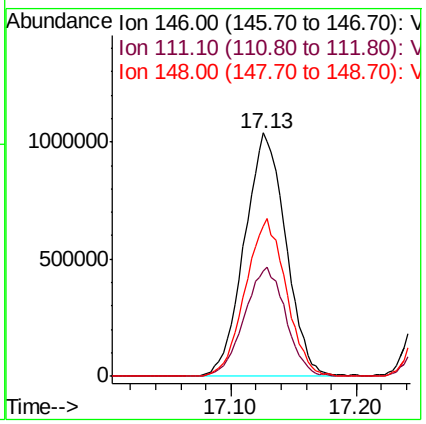


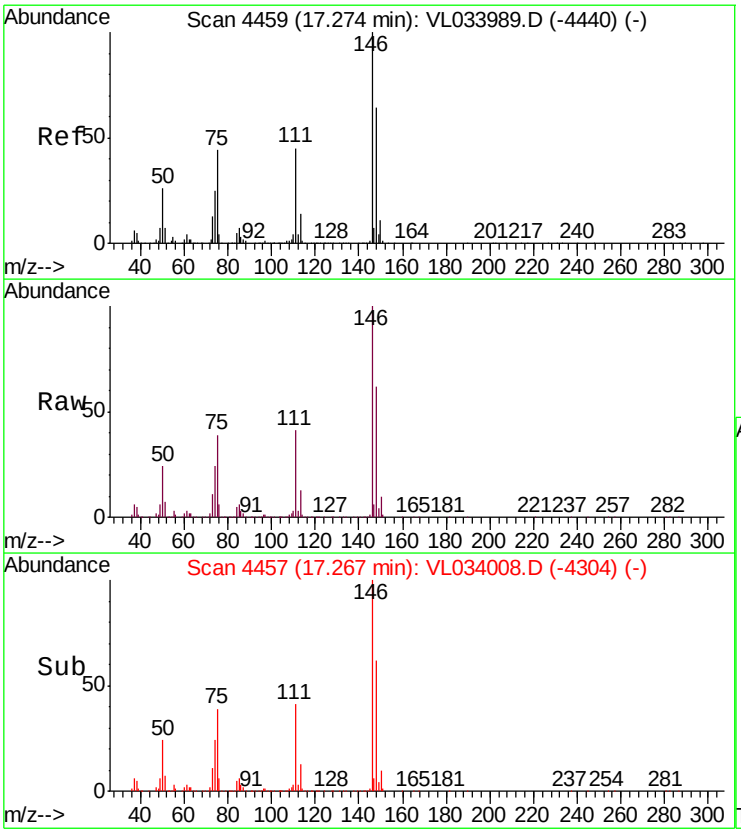
#75
1,3-Dichlorobenzene
Concen: 8.337 ppbv
RT: 17.13 min Scan# 4413
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 2378527

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	63.9	32.0	96.2

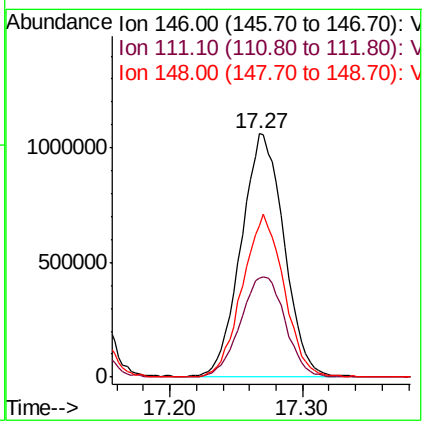


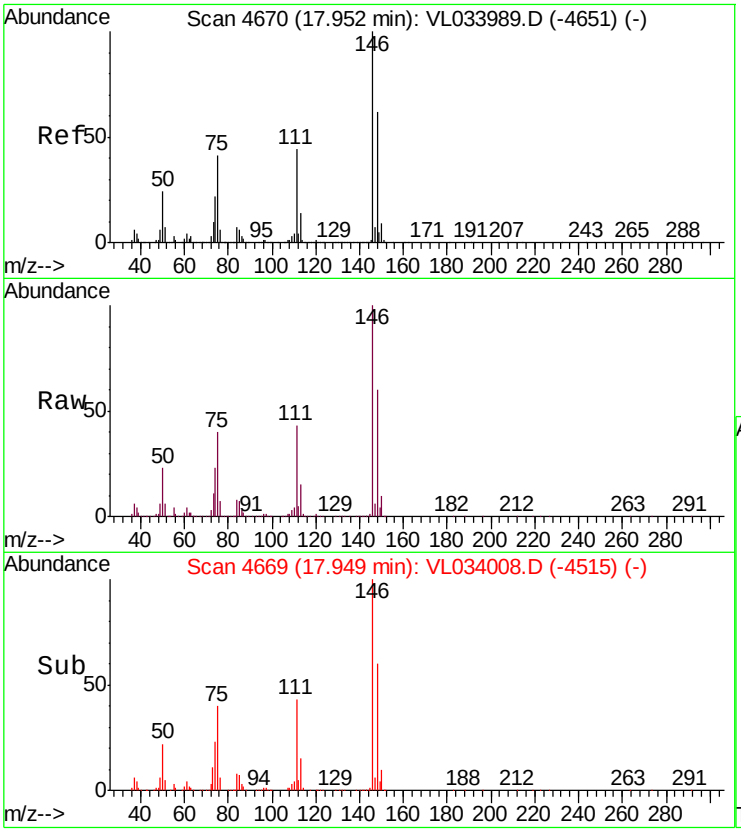


#76
1,4-Dichlorobenzene
Concen: 8.850 ppbv
RT: 17.27 min Scan# 4457
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:146 Resp: 2378135

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.5
148	64.8	32.5	97.5



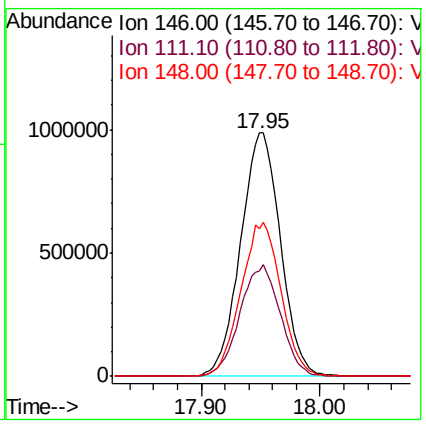


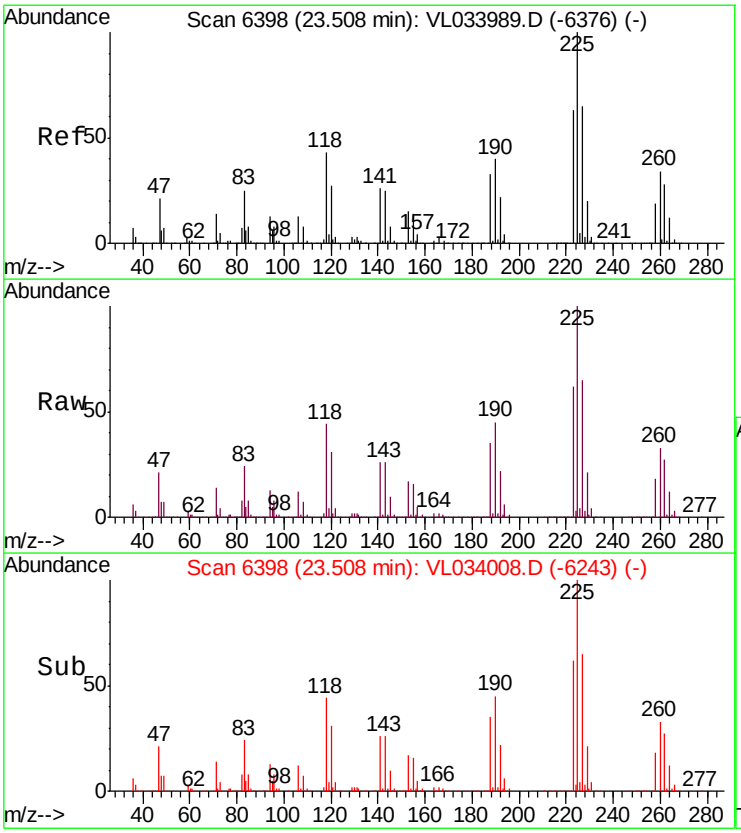
#77
1,2-Dichlorobenzene
Concen: 8.667 ppbv
RT: 17.95 min Scan# 4669
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2289763

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.7	68.1
148	63.7	32.1	96.3

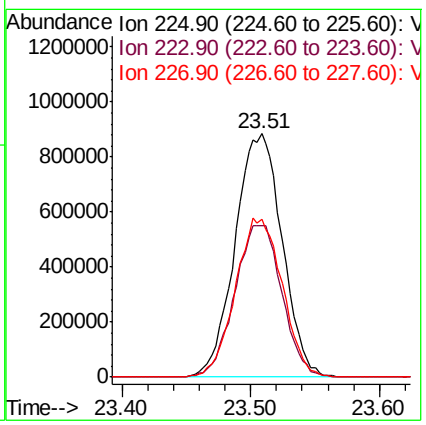


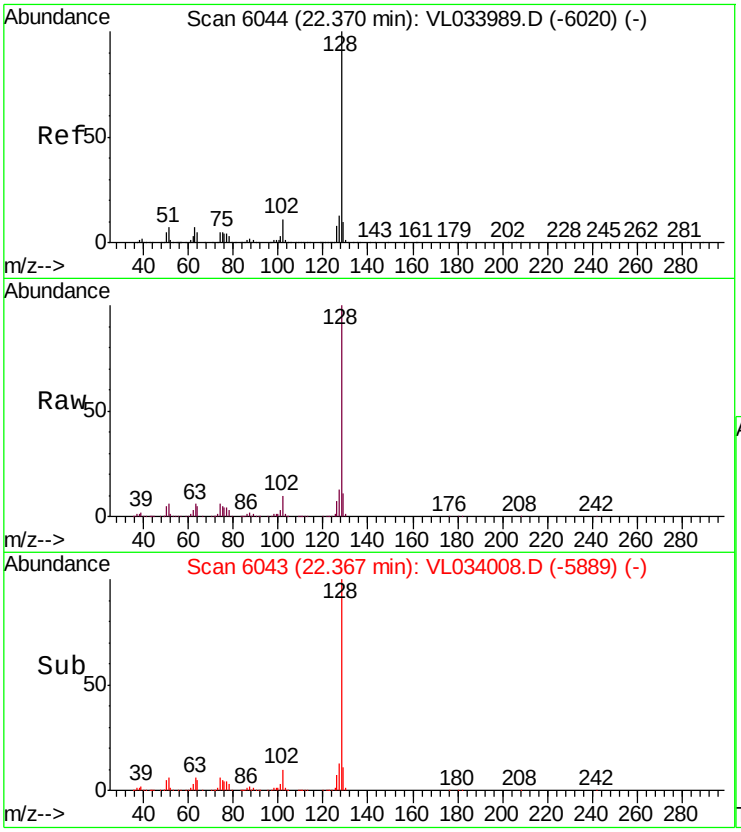


#78
Hexachloro-1,3-Butadiene
Concen: 9.967 ppbv
RT: 23.51 min Scan# 6398
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:225 Resp: 2240545

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.5	77.3
227	65.0	52.1	78.1



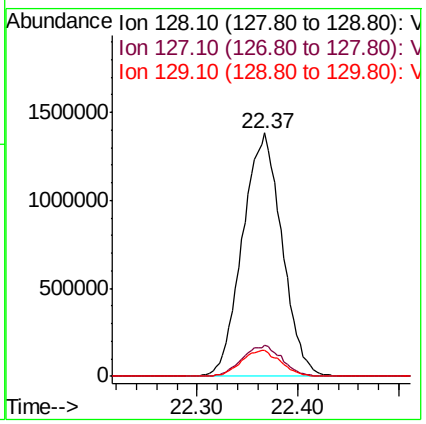


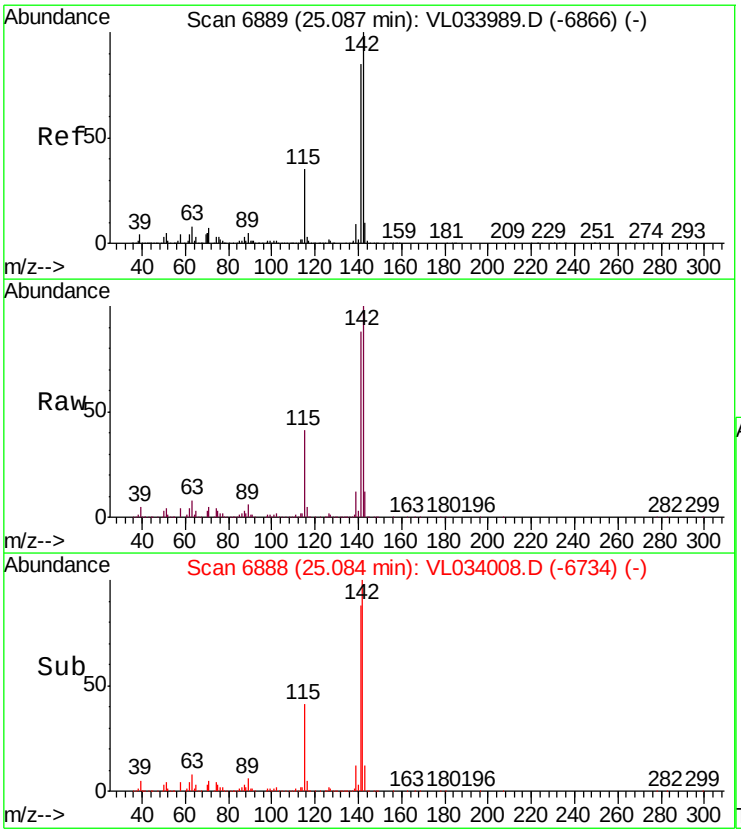
#79
Naphthalene
Concen: 9.944 ppbv
RT: 22.37 min Scan# 6043
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3755157

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

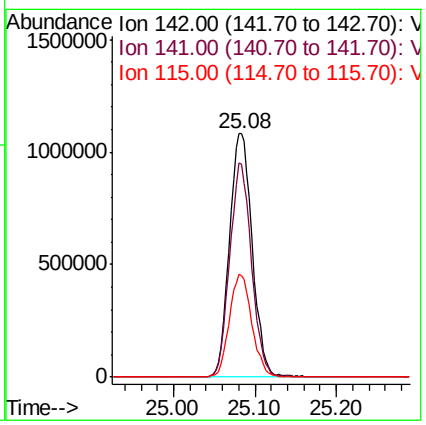


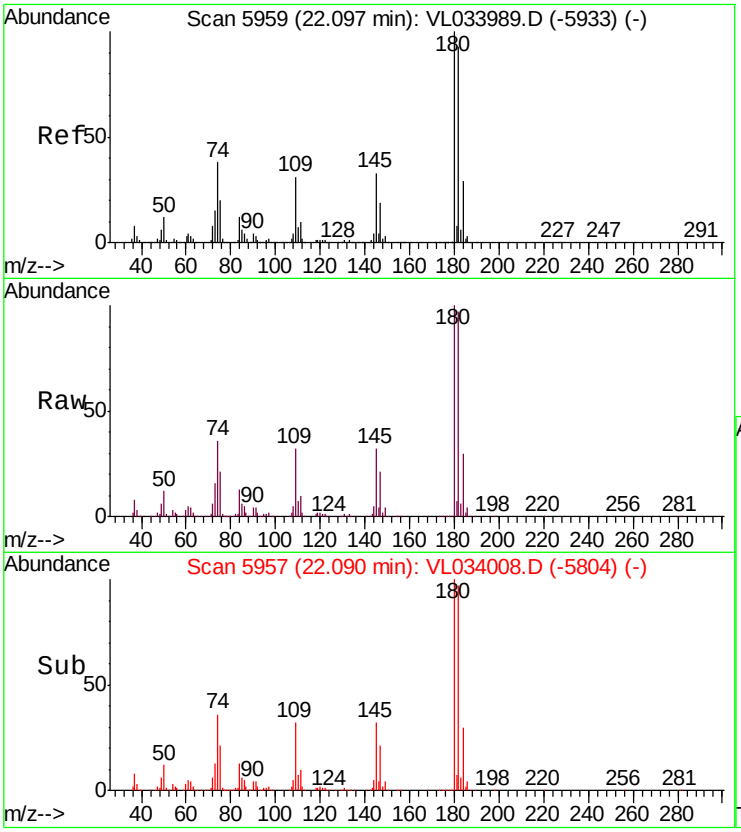


#80
Naphthalene,2-methyl-
Concen: 15.424 ppbv
RT: 25.08 min Scan# 6888
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:142 Resp: 2119450

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.2	102.2
115	41.7	29.9	44.9





#81
1,2,4-Trichlorobenzene
Concen: 9.209 ppbv
RT: 22.09 min Scan# 5957
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 2233316

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
184	30.9	24.6	36.8