Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033198.D
Acq On : 13 Feb 2019 22:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 14 04:29:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	929520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2142721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2825221	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1741404	8.00	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1386401	7.801	ppbv	97
3) Chlorodifluoromethane	3.01	51	950235	8.490	ppbv	98
4) Chloromethane	3.17	50	617616	10.451	ppbv	95
5) Vinyl Chloride	3.29	62	598663	9.694	ppbv	98
6) Bromomethane	3.52	94	351557	10.365	ppbv	97
7) Chloroethane	3.60	64	215705	10.692	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1425144	10.254	ppbv	98
9) Propene	3.04	41	433709	8.022	ppbv	100
10) Heptane	8.25	43	1319625	8.068	ppbv	99
11) Trichlorofluoromethane	4.00	101	1549499	10.770	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	989872	9.927	ppbv	98
13) Ethanol	3.65	45	124568	6.909	ppbv	95
14) Bromoethene	3.79	108	444818	10.346	ppbv	99
15) Acetone	3.90	43	995597	9.507	ppbv	99
16) 1,3-Butadiene	3.36	39	503257	10.124	ppbv	96
17) tert-Butyl alcohol	4.35	59	195860	9.810	ppbv	99
18) 1,1-Dichloroethene	4.35	96	442395	9.912	ppbv	97
19) Isopropyl Alcohol	4.02	45	692335	9.748	ppbv	100
20) Methylene Chloride	4.41	84	381806	9.166	ppbv	93
21) Allyl Chloride	4.48	41	706529	10.218	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	437227	10.087	ppbv	99
23) Vinyl Acetate	5.16	43	1819104	10.023	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1247939	9.721	ppbv	99
25) Ethyl Acetate	5.77	43	2201068	9.348	ppbv	99
26) Hexane	5.78	57	975120	8.822	ppbv	97
27) Carbon Disulfide	4.62	76	1085584	10.720	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1431476	9.477	ppbv	99
29) Chloroform	5.85	83	1586538	9.366	ppbv	97
30) Cyclohexane	7.25	84	840808	8.198	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1039856	9.399	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1533837	8.223	ppbv	98
34) 2-Butanone	5.33	43	1500467	11.040	ppbv	99
35) Carbon Tetrachloride	7.14	117	1607997	9.826	ppbv	99
36) Benzene	7.01	78	2043719	9.411	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1275353	10.597	ppbv	98
38) Trichloroethene	7.96	130	444956	4.785	ppbv	93
39) 1,2-Dichloropropane	7.74	63	787981	9.188	ppbv	96
40) 1,4-Dioxane	7.96	88	271140	8.699	ppbv	96
41) Tetrahydrofuran	6.15	42	857703	10.195	ppbv	99
42) Bromodichloromethane	7.92	83	1762048	10.103	ppbv	96
43) Methyl Methacrylate	8.14	69	858746	9.850	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033198.D
Acq On : 13 Feb 2019 22:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 14 04:29:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3411365	9.270	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1129425	11.661	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1300881	10.545	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	845912	9.504	ppbv		97
48) Dibromochloromethane	10.46	129	1479835	10.561	ppbv		100
49) Bromoform	13.21	173	1326415	11.003	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2178142	9.994	ppbv		99
51) 2-Hexanone	10.27	43	1700304	9.895	ppbv		100
52) Tetrachloroethene	11.38	164	754456	9.043	ppbv		96
53) Toluene	9.95	91	2451055	9.532	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1355343	9.711	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1023782	7.895	ppbv	#	60
57) Chlorobenzene	12.31	112	1773620	7.191	ppbv		97
58) Ethyl Benzene	12.87	91	3446410	7.537	ppbv		98
59) m/p-Xylene	13.15	91	2172641	5.694	ppbv	#	100
60) o-Xylene	13.85	91	2728251	7.352	ppbv		99
61) Styrene	13.69	104	2083923	7.445	ppbv		99
62) Isopropylbenzene	14.83	105	3809489	7.278	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1867148	6.405	ppbv		100
64) n-propylbenzene	15.73	120	971760	7.305	ppbv		98
65) tert-Butylbenzene	16.91	119	3299658	7.239	ppbv		98
66) Benzyl Chloride	17.16	91	1738631	10.744	ppbv		99
67) sec-Butylbenzene	17.46	105	4859185	7.343	ppbv		99
69) p-Isopropyltoluene	17.82	119	3934267	7.138	ppbv		99
70) n-Butylbenzene	18.72	91	4296106	7.224	ppbv		99
71) 2-Chlorotoluene	15.62	91	2984593	7.257	ppbv		99
72) 4-Ethyltoluene	16.01	105	3154704	7.376	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3040294	7.432	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3086963	7.271	ppbv		95
75) 1,3-Dichlorobenzene	17.17	146	1790200	7.313	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1790221	7.384	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	1733915	7.168	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1404459	11.664	ppbv		100
79) Naphthalene	22.42	128	3383484	7.418	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1596690	6.913	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1648663	7.114	ppbv		100

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

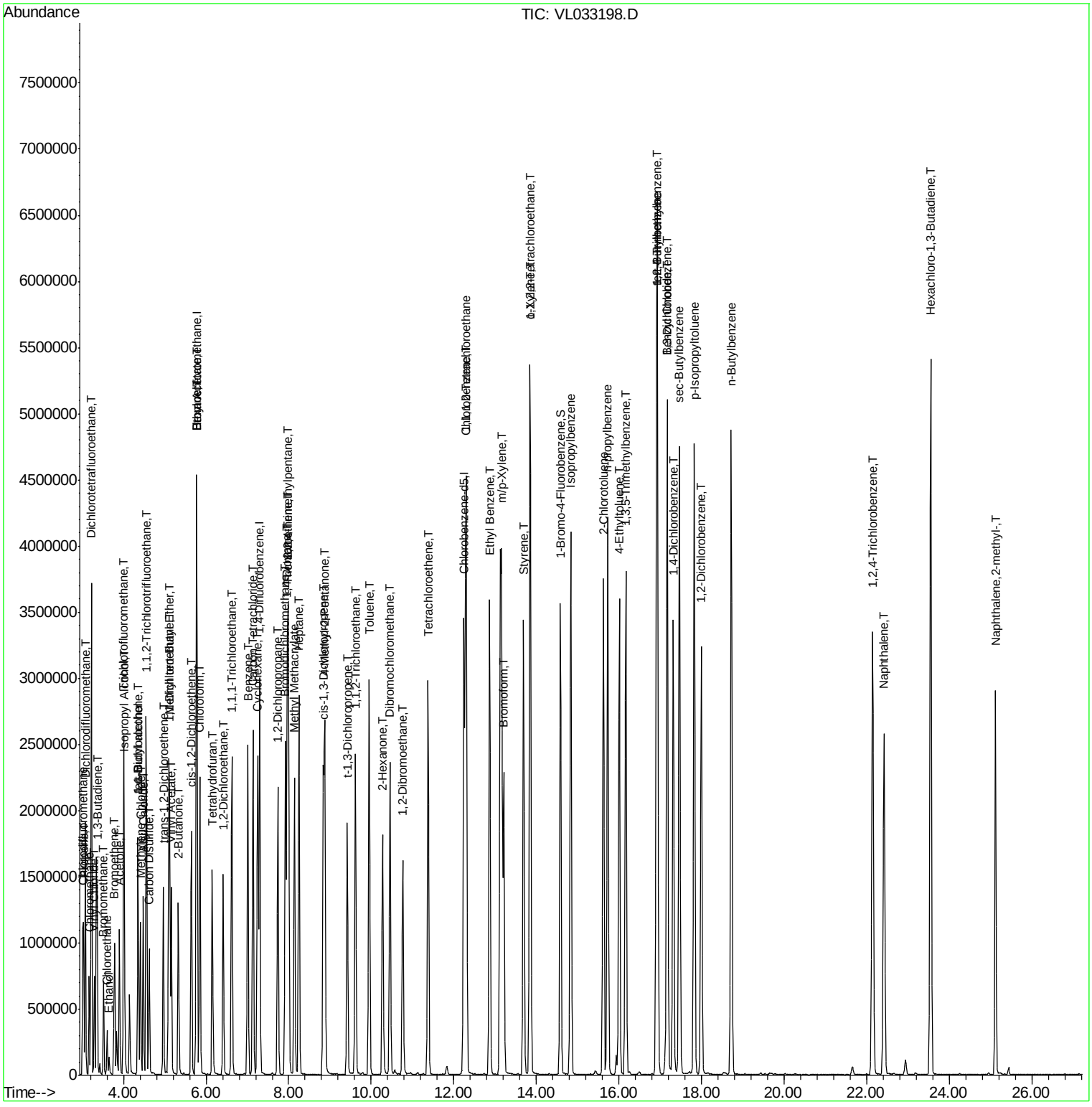
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

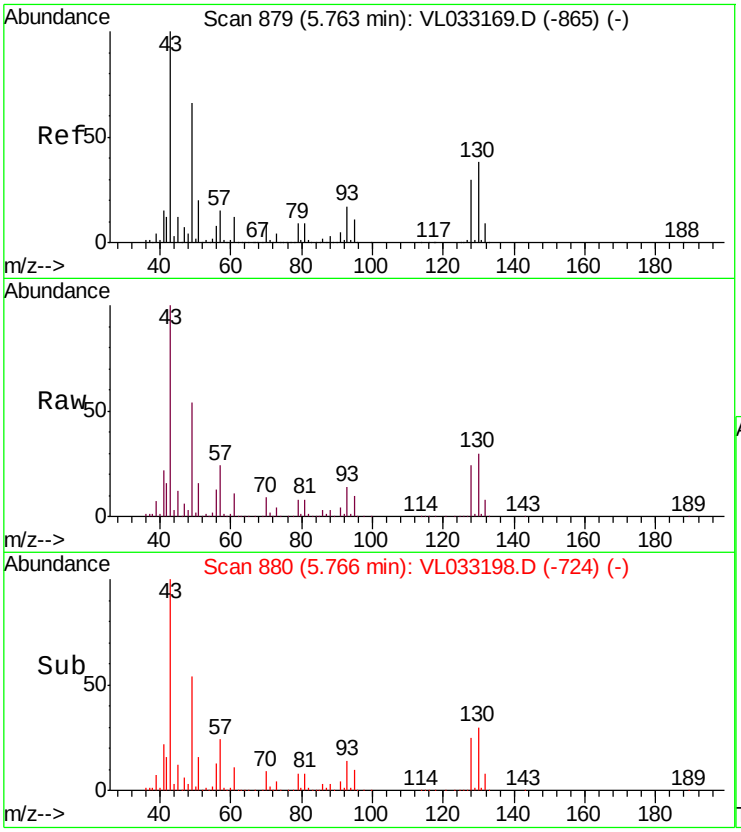
Quantitation Report (Not Reviewed)

Data File : VL033198.D
Acq On : 13 Feb 2019 22:20
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 14 04:29:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration



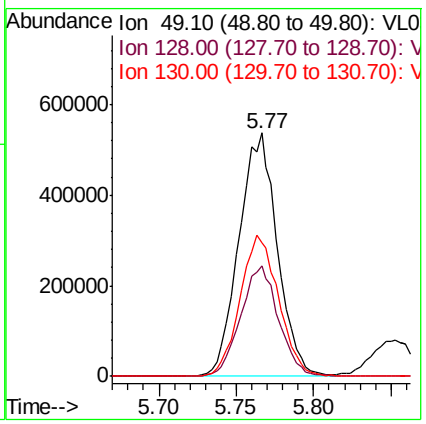


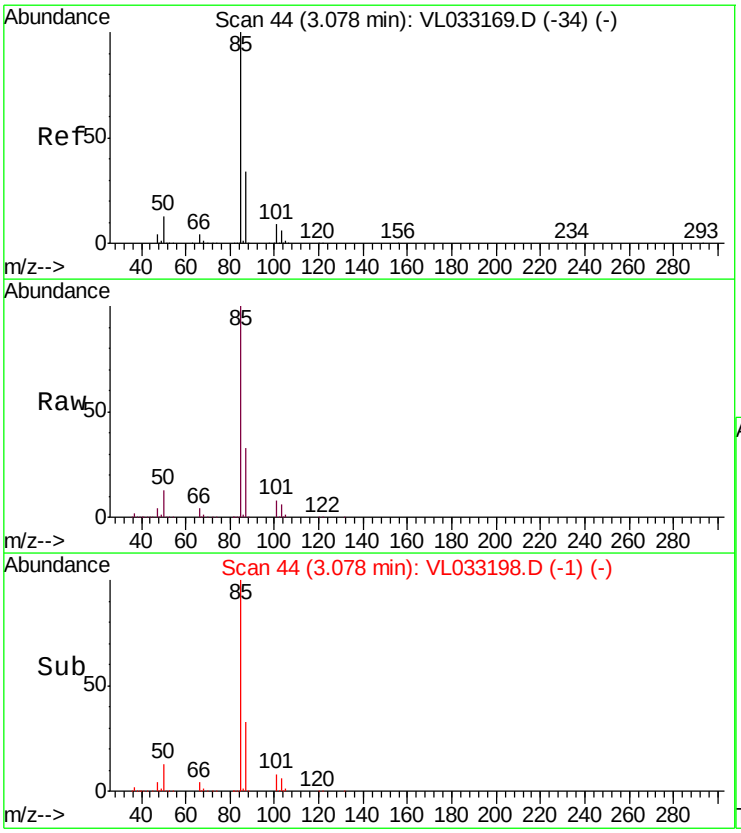
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 929520

Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.6	71.0
130	58.5	30.3	91.0

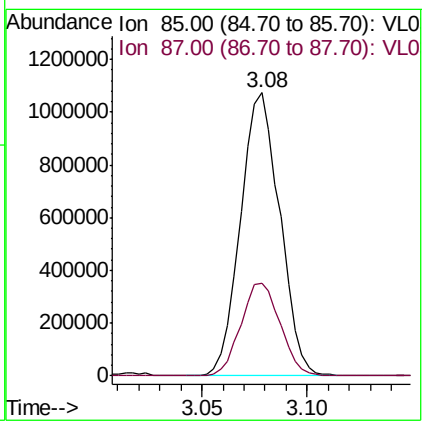


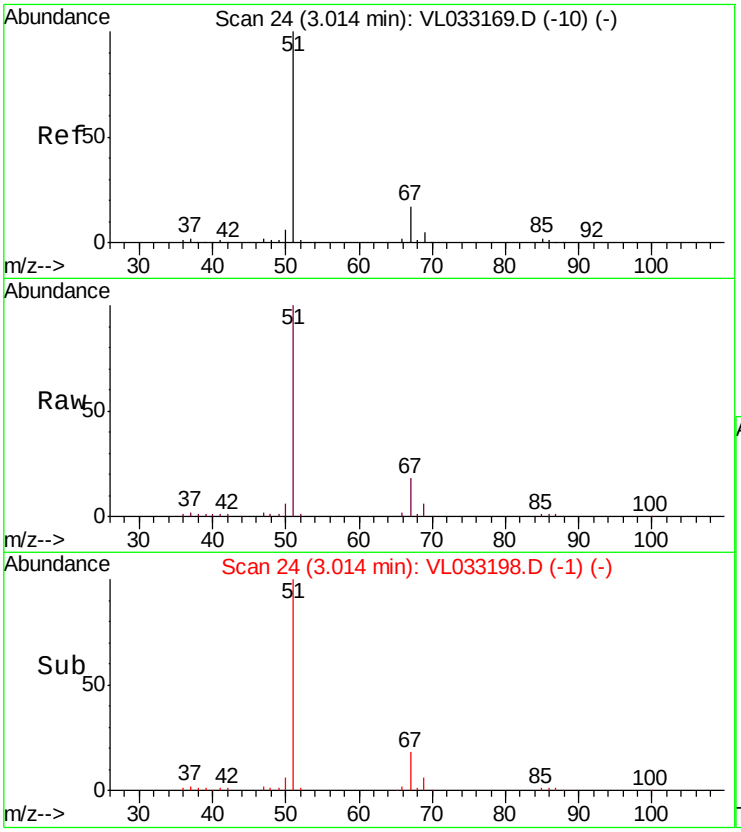


#2
Dichlorodifluoromethane
Concen: 7.801 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 85 Resp: 1386401

Ion	Ratio	Lower	Upper
85	100		
87	32.6	27.4	41.2



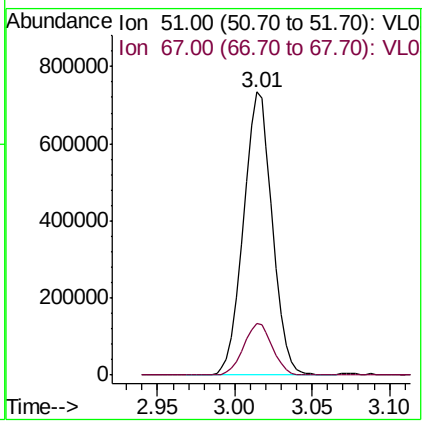


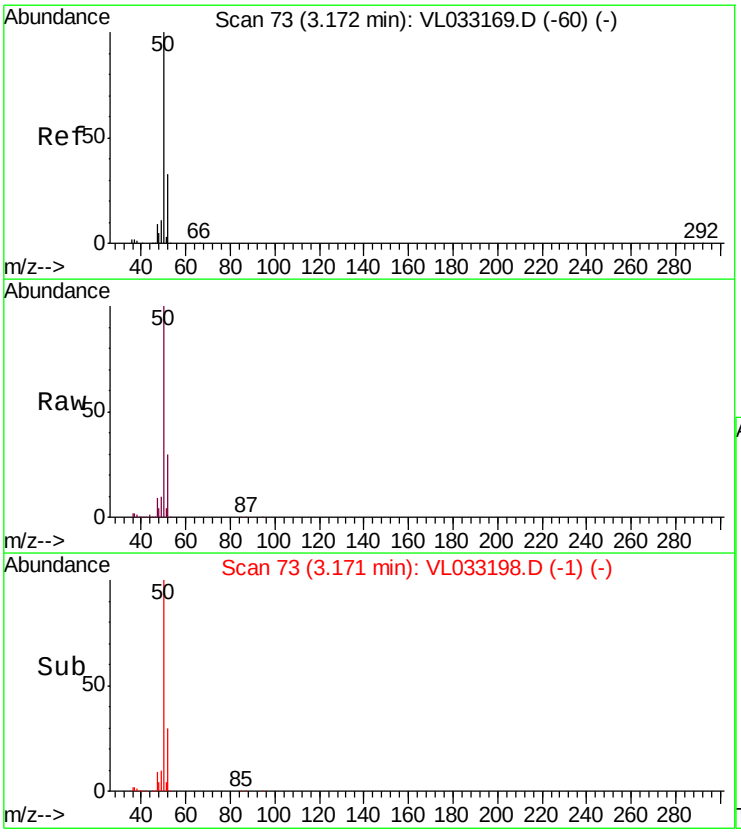
#3
Chlorodifluoromethane
Concen: 8.490 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 950235

Ion	Ratio	Lower	Upper
51	100		
67	18.3	14.0	21.0

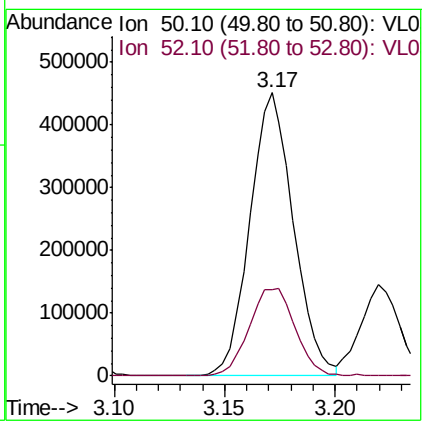


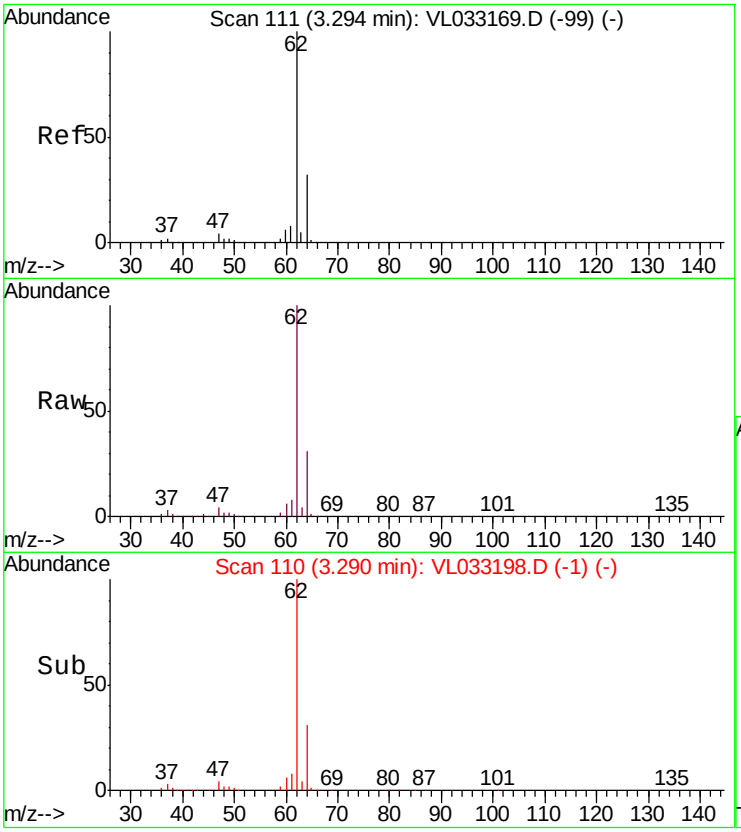


#4
Chloromethane
Concen: 10.451 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 50 Resp: 617616

Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.5	39.7



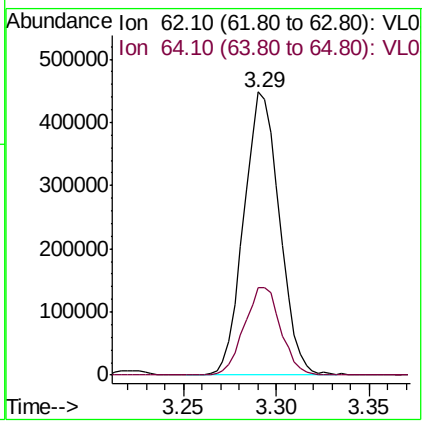


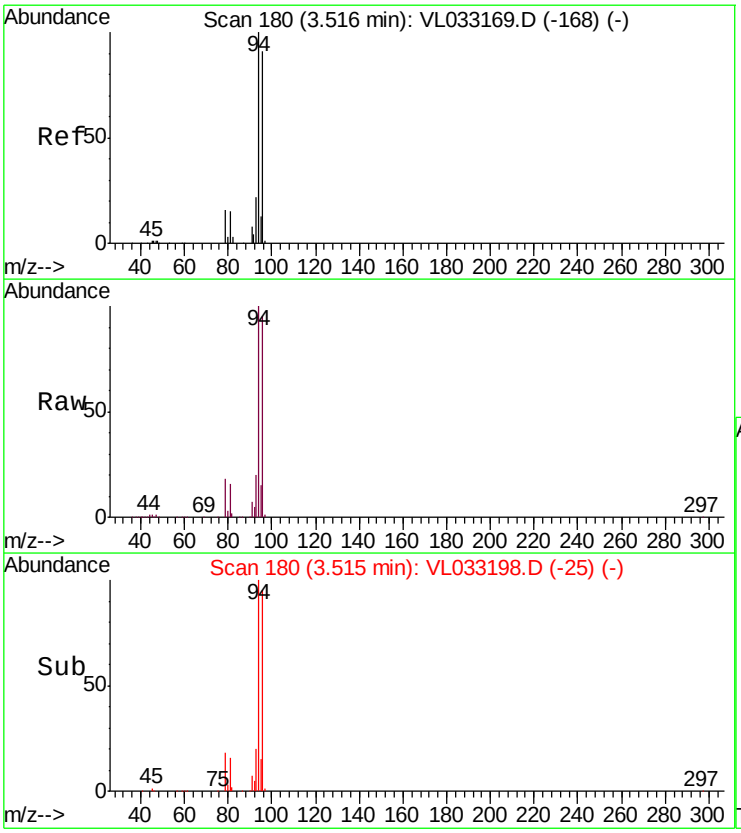
#5
Vinyl Chloride
Concen: 9.694 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 598663

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.6	38.4

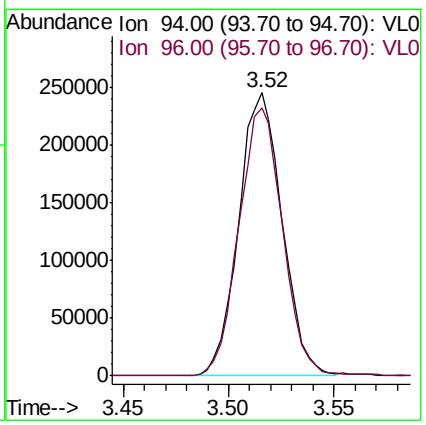


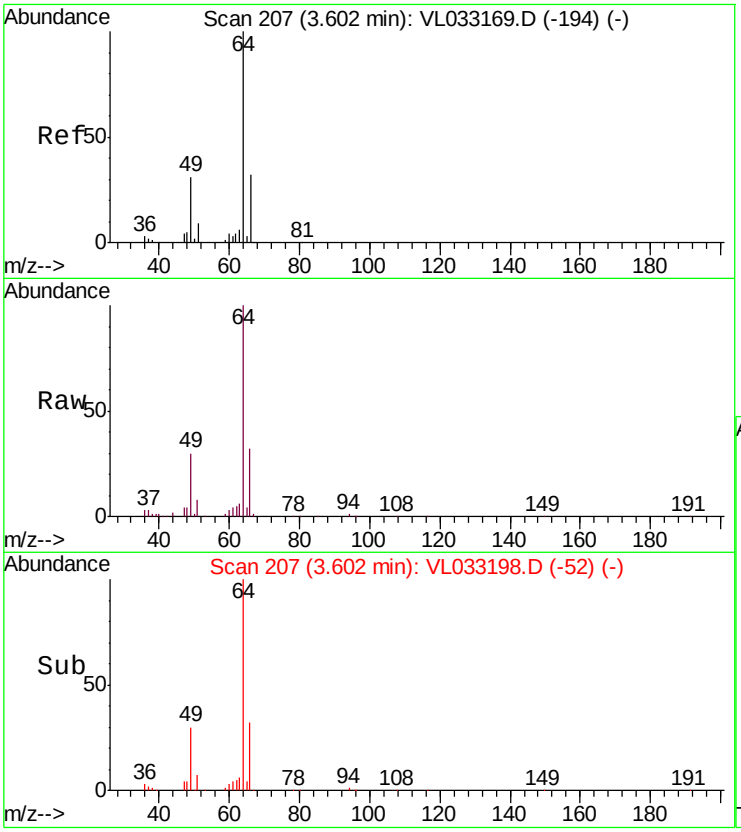


#6
Bromomethane
Concen: 10.365 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 94 Resp: 351557

Ion	Ratio	Lower	Upper
94	100		
96	94.6	73.2	109.8



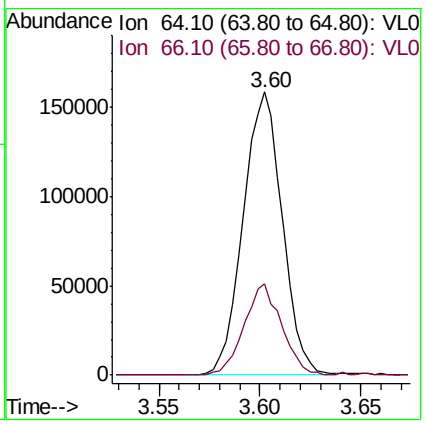


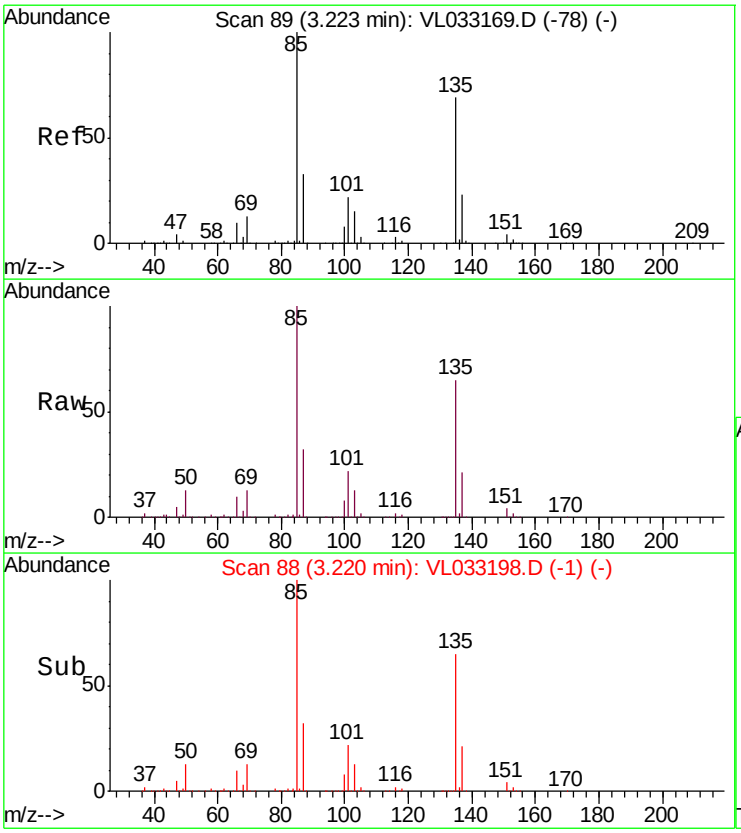
#7
Chloroethane
Concen: 10.692 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 215705

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.0	39.0

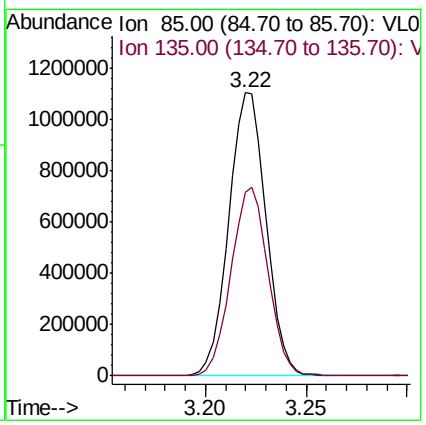


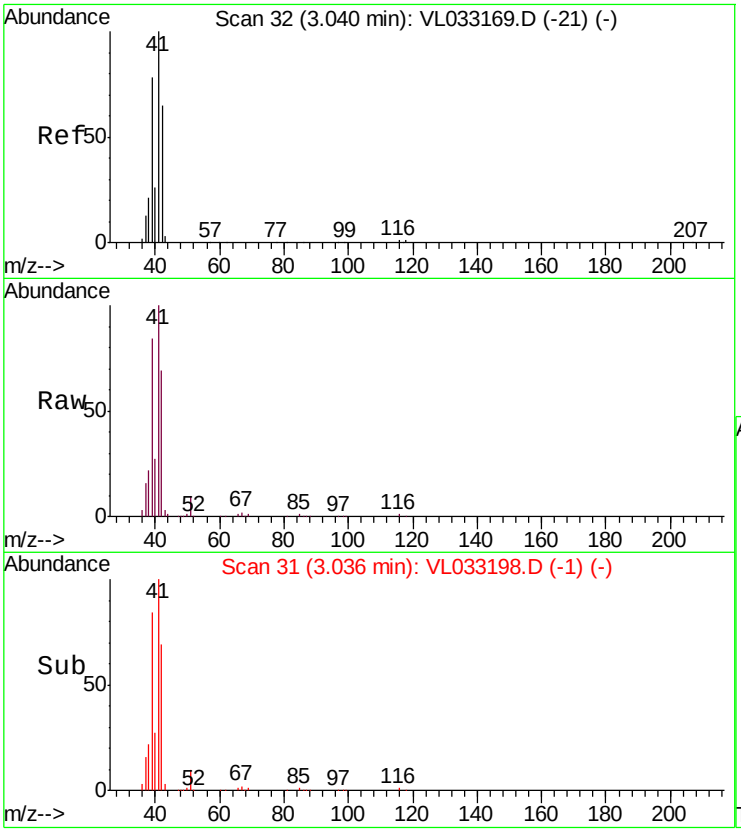


#8
Dichlorotetrafluoroethane
Concen: 10.254 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 85 Resp: 1425144

Ion	Ratio	Lower	Upper
85	100		
135	66.5	54.3	81.5



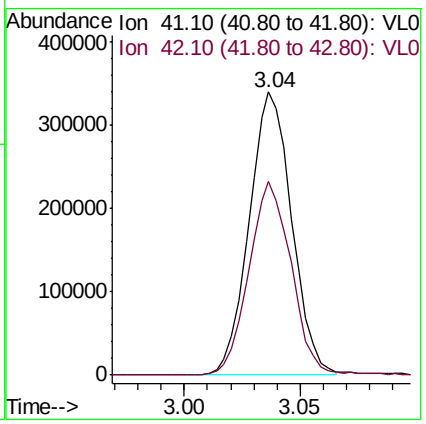


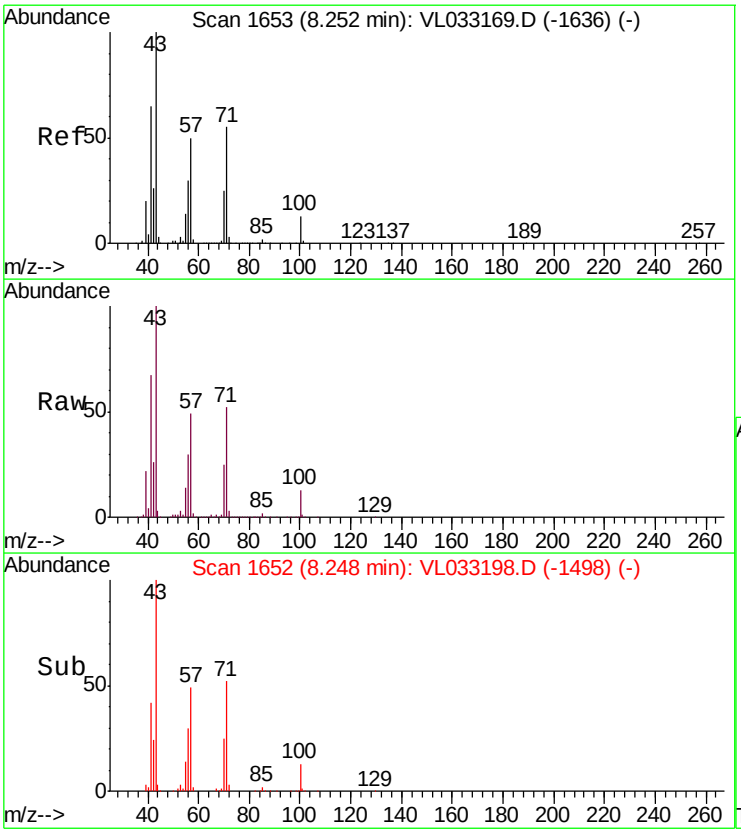
#9
Propene
Concen: 8.022 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 433709

Ion	Ratio	Lower	Upper
41	100		
42	68.6	55.0	82.6

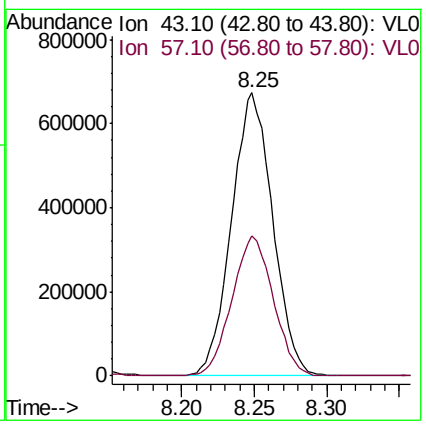


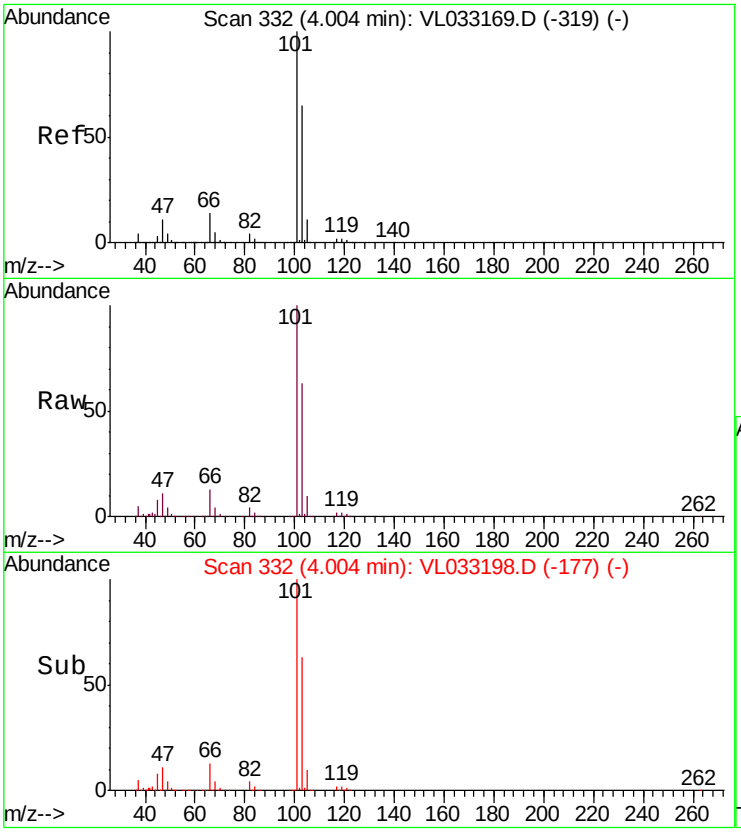


#10
Heptane
Concen: 8.068 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 43 Resp: 1319625

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.5	59.3



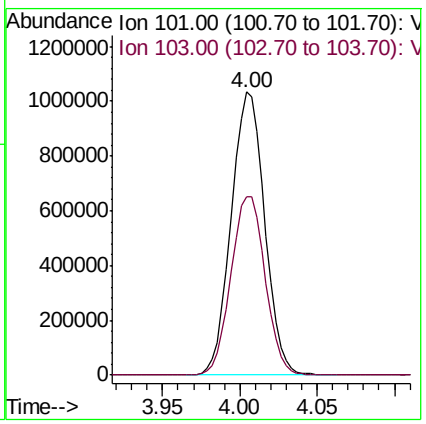


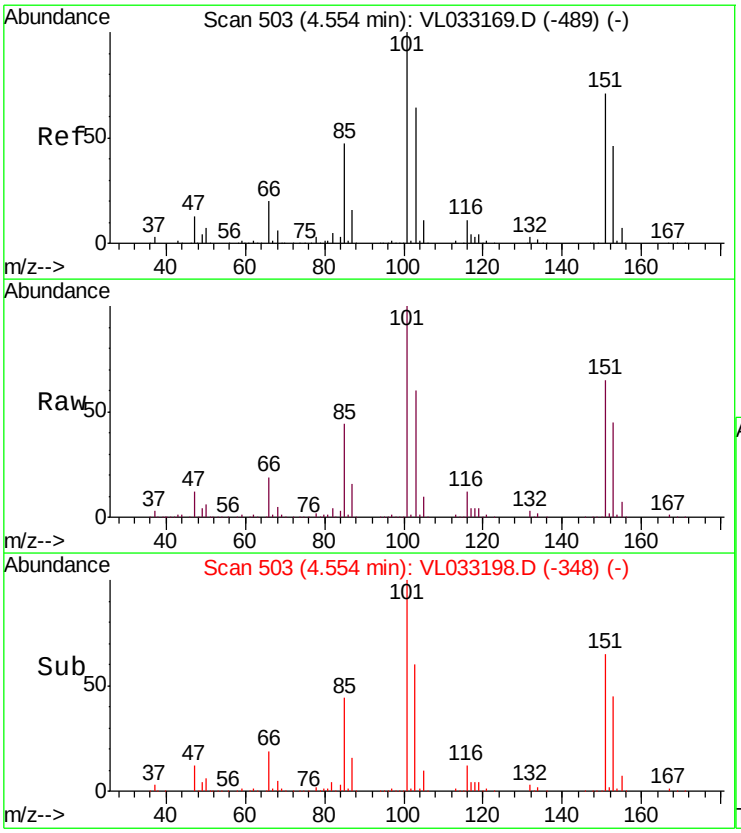
#11
Trichlorofluoromethane
Concen: 10.770 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1549499

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.7	77.5

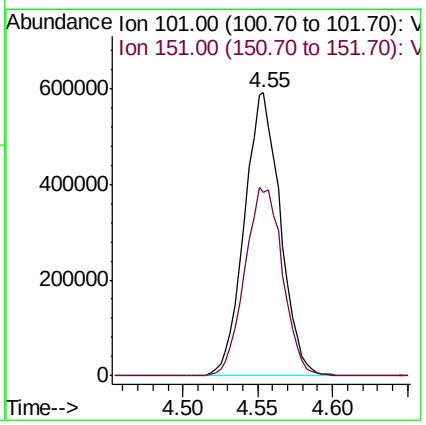


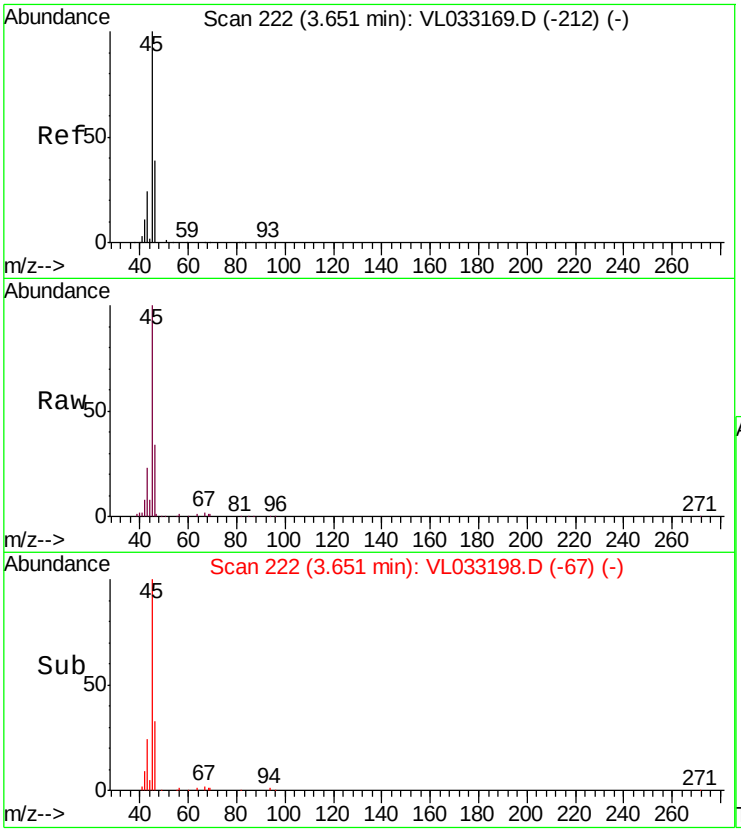


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.927 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:101 Resp: 989872

Ion	Ratio	Lower	Upper
101	100		
151	70.1	57.4	86.0



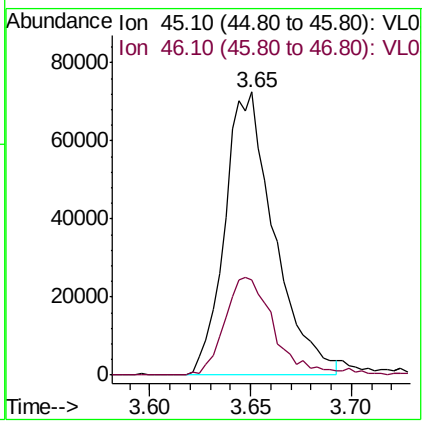


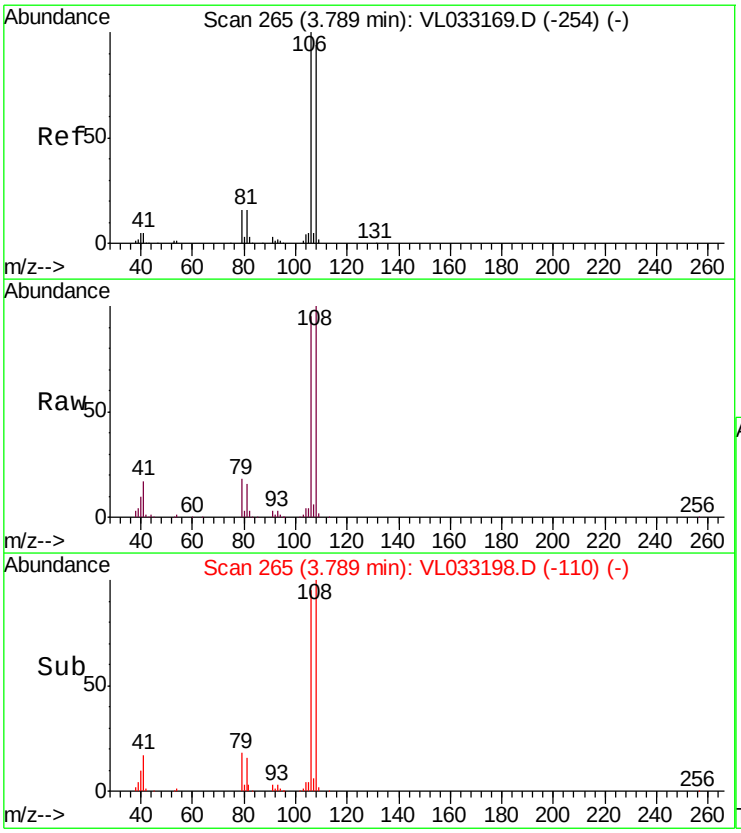
#13
Ethanol
Concen: 6.909 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 124568

Ion	Ratio	Lower	Upper
45	100		
46	34.6	15.0	60.2

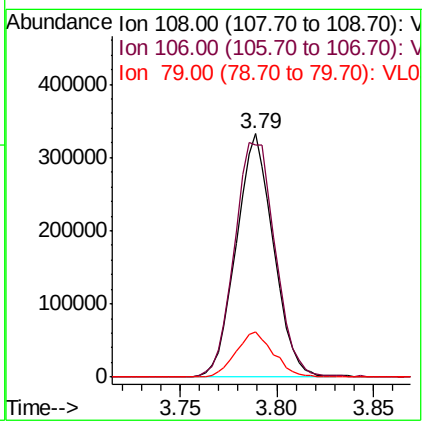


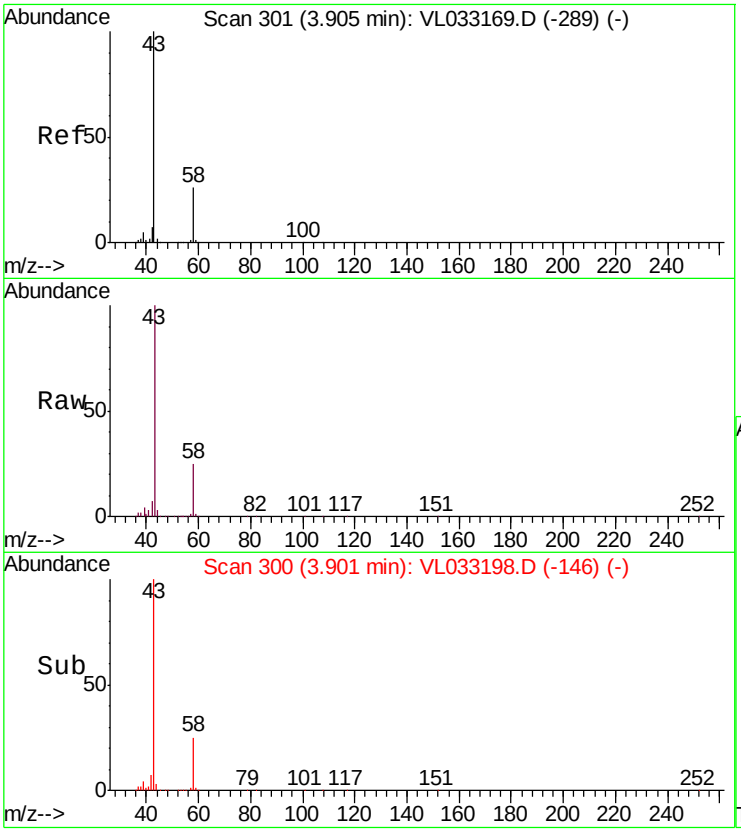


#14
Bromoethene
Concen: 10.346 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:108 Resp: 444818

Ion	Ratio	Lower	Upper
108	100		
106	106.7	86.0	129.0
79	19.0	14.5	21.7



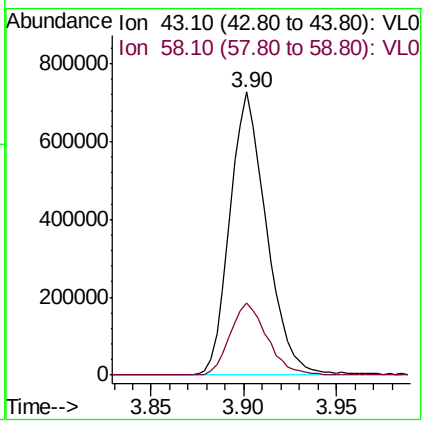


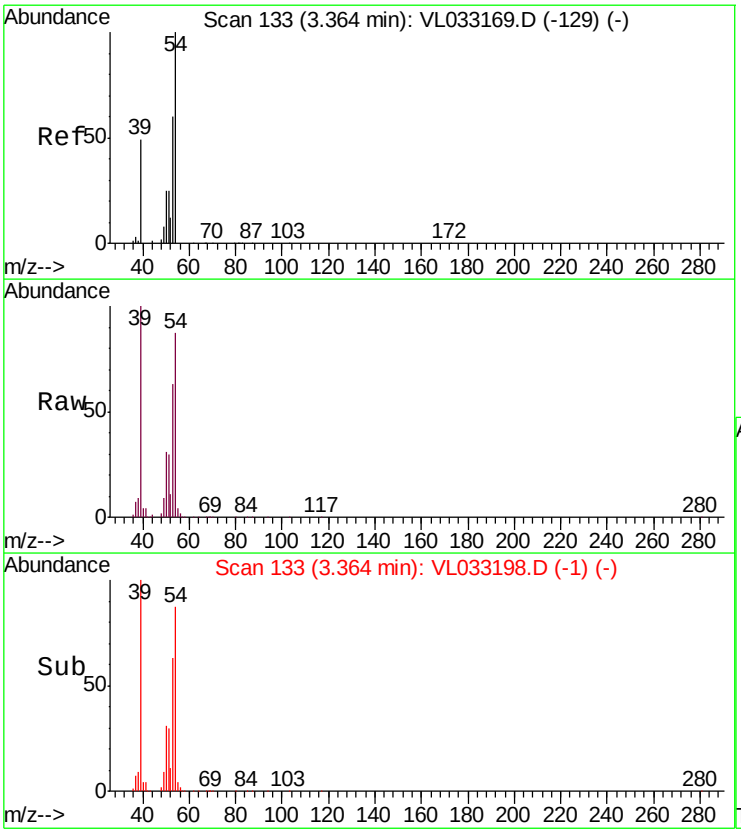
#15
Acetone
Concen: 9.507 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 995597

Ion	Ratio	Lower	Upper
43	100		
58	25.9	21.1	31.7

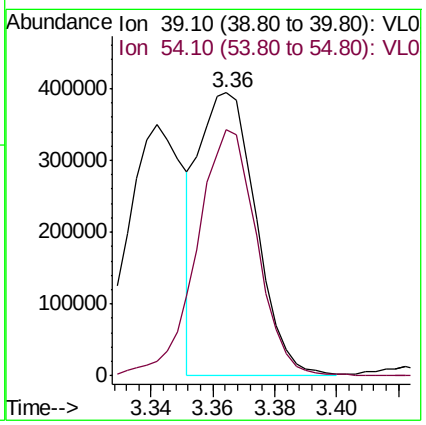


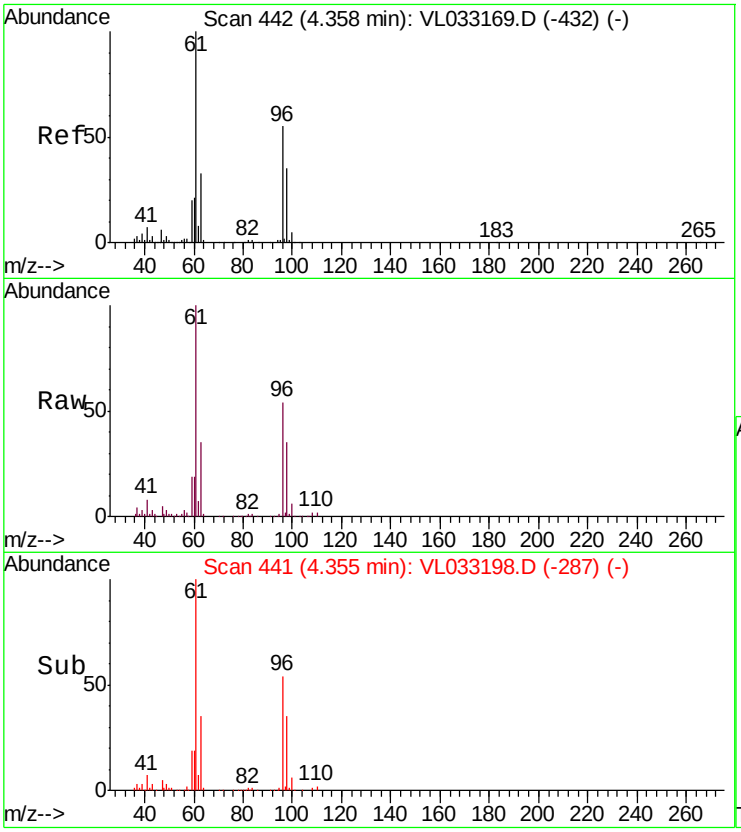


#16
1,3-Butadiene
Concen: 10.124 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 39 Resp: 503257

Ion	Ratio	Lower	Upper
39	100		
54	92.8	71.3	106.9



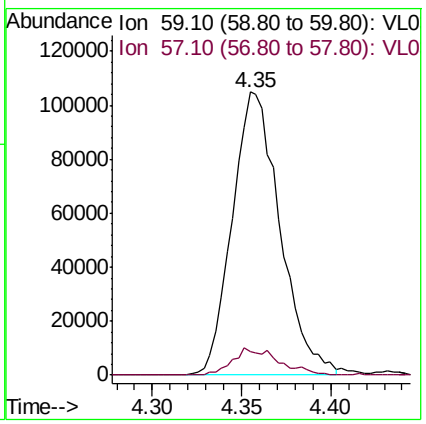


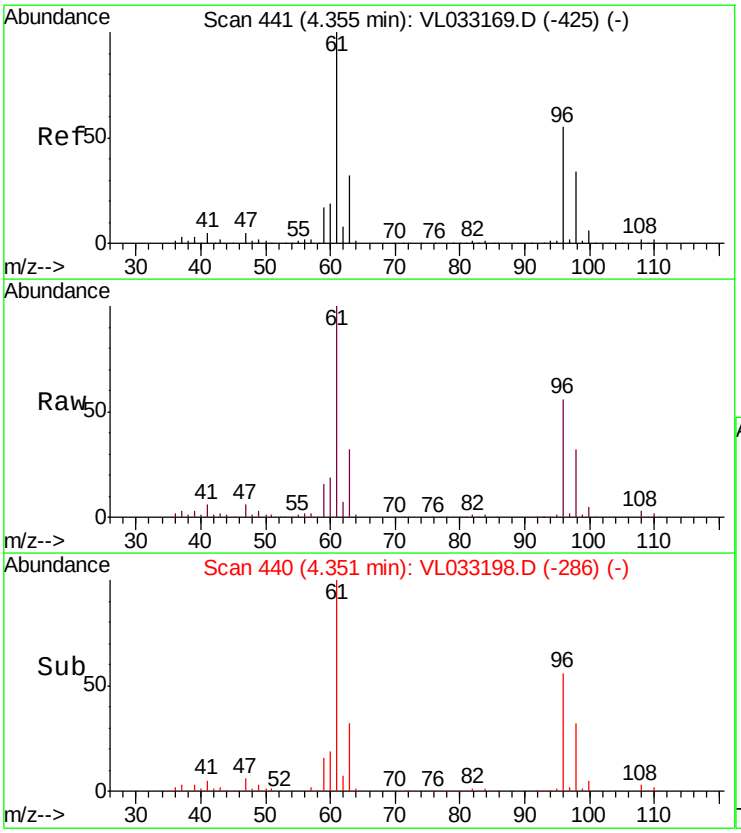
#17
tert-Butyl alcohol
Concen: 9.810 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 195860

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.6	11.4

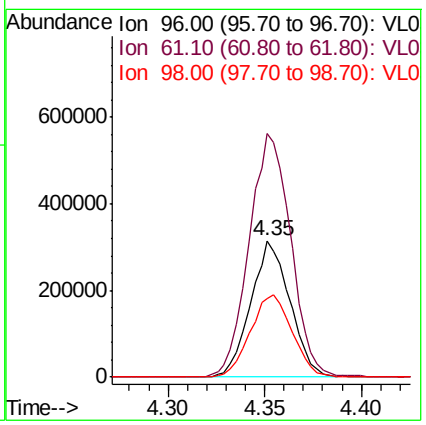


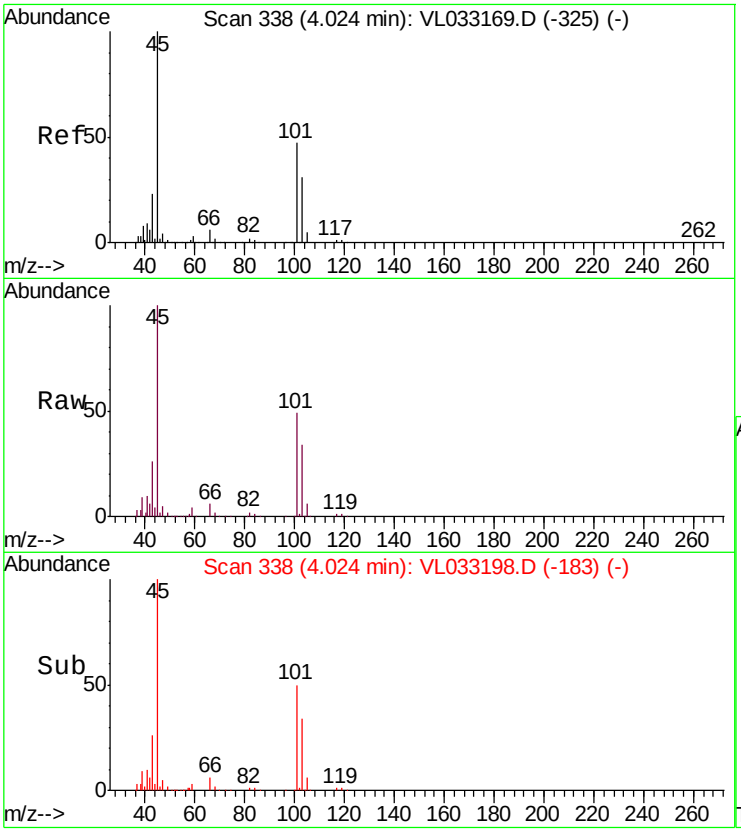


#18
1,1-Dichloroethene
Concen: 9.912 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 96 Resp: 442395

Ion	Ratio	Lower	Upper
96	100		
61	178.9	145.0	217.6
98	57.9	50.0	75.0



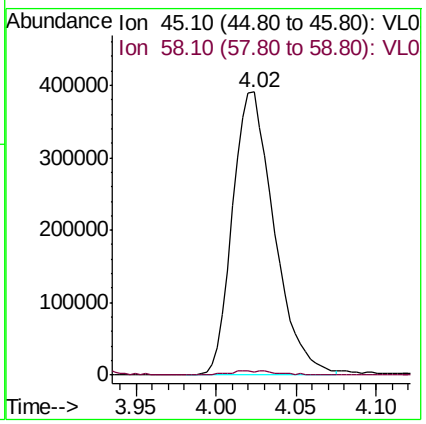


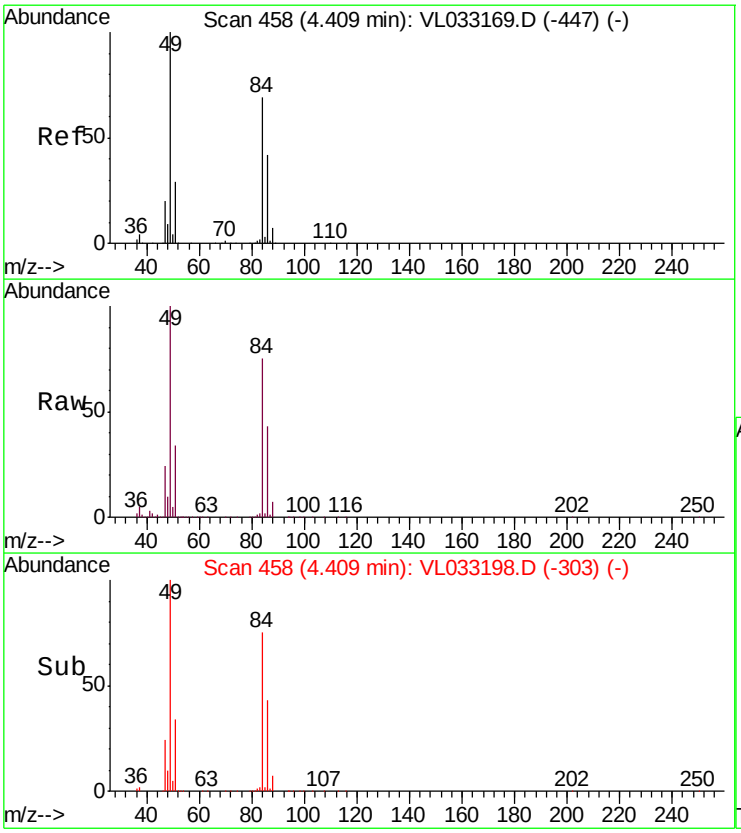
#19
Isopropyl Alcohol
Concen: 9.748 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 692335

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.5	2.3

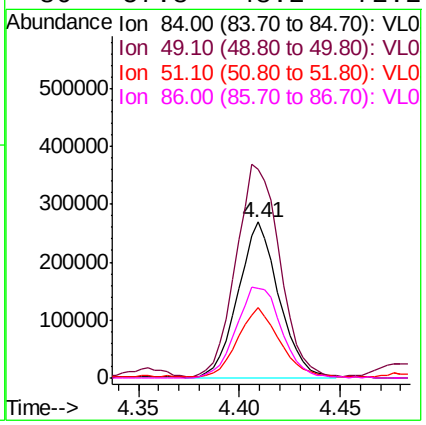


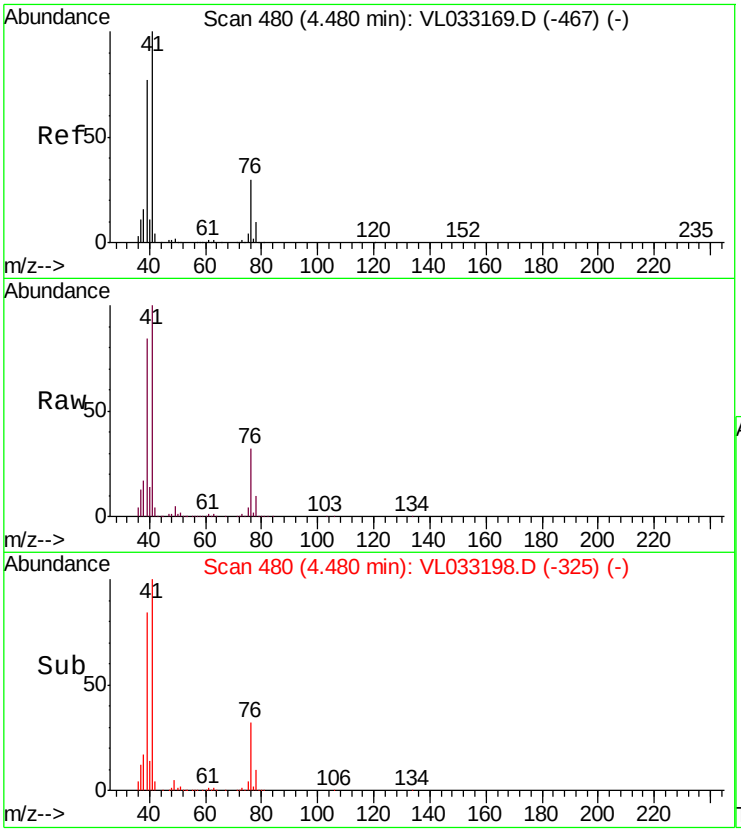


#20
Methylene Chloride
Concen: 9.166 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 84 Resp: 381806

Ion	Ratio	Lower	Upper
84	100		
49	133.3	115.8	173.8
51	44.3	33.0	49.6
86	57.8	48.2	72.2



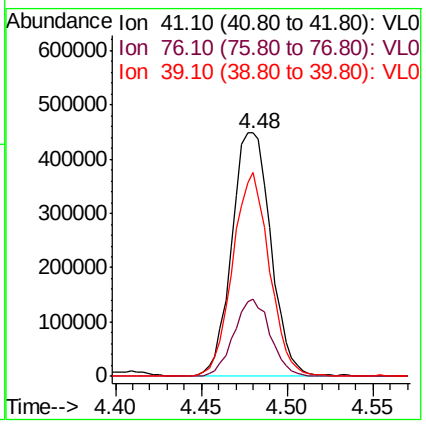


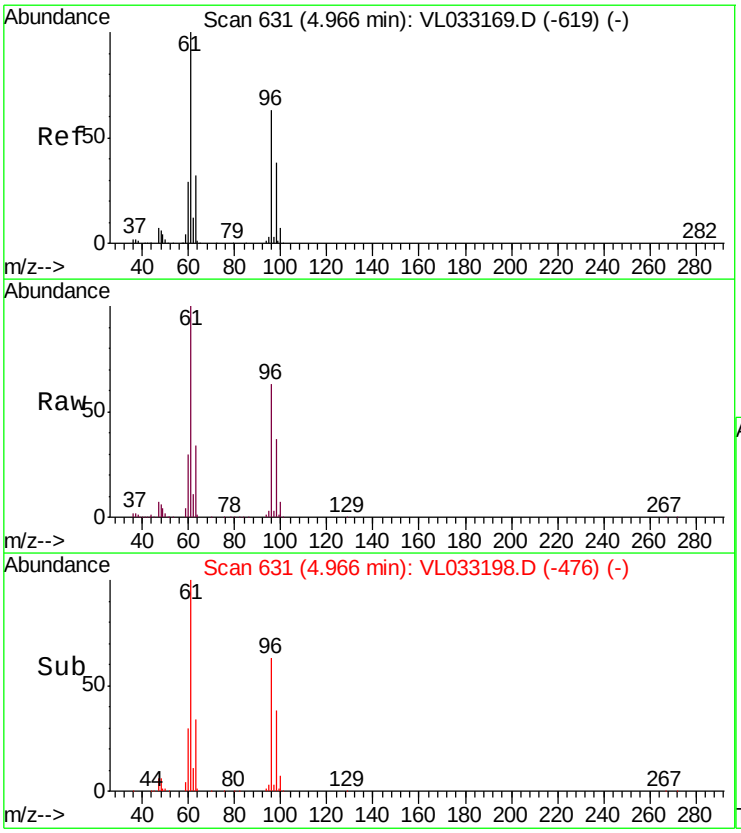
#21
Allyl Chloride
Concen: 10.218 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 706529

Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.5	36.7
39	79.7	64.1	96.1

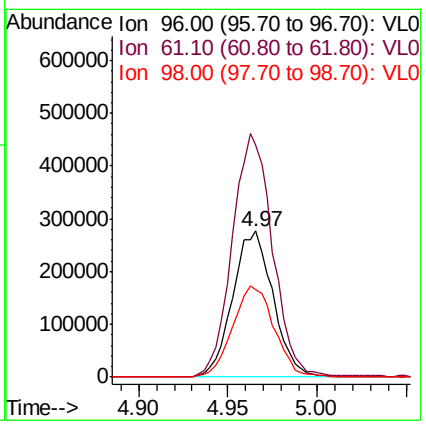


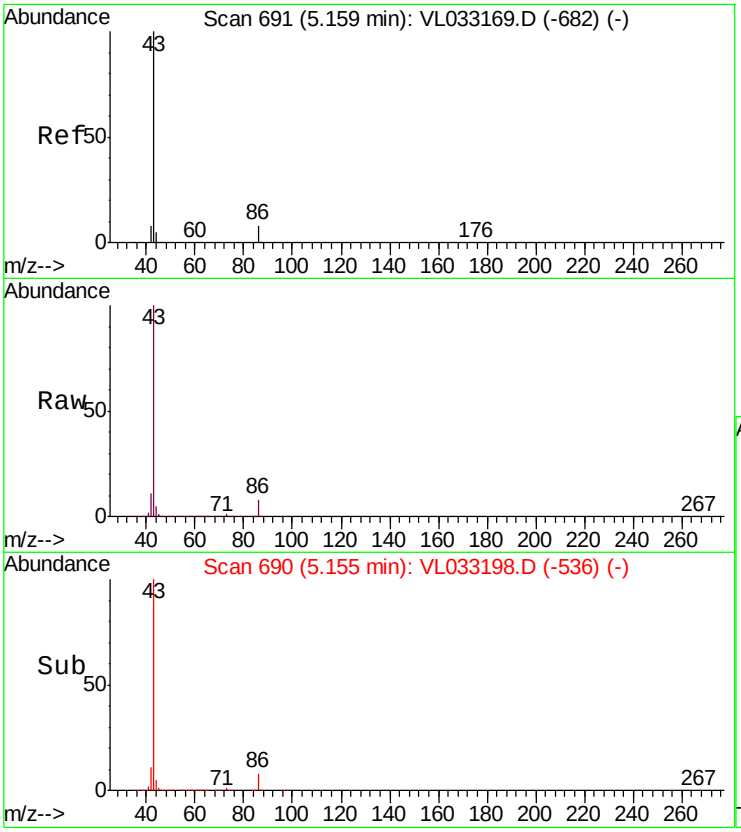


#22
trans-1,2-Dichloroethene
Concen: 10.087 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 96 Resp: 437227

Ion	Ratio	Lower	Upper
96	100		
61	159.1	126.4	189.6
98	59.6	48.4	72.6



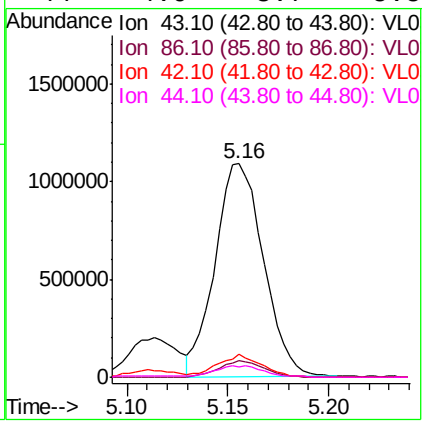


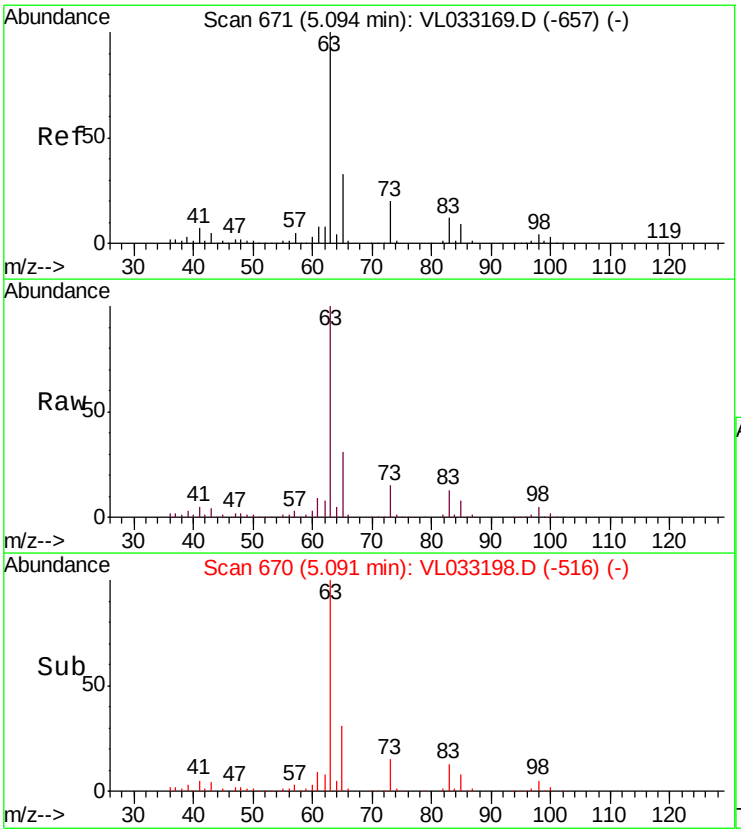
#23
Vinyl Acetate
Concen: 10.023 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1819104

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.8	8.8
42	10.6	7.4	11.0
44	4.9	3.7	5.5

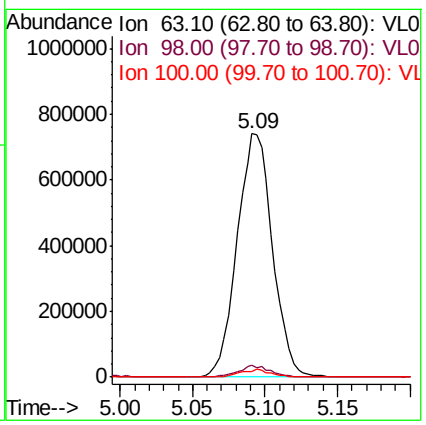


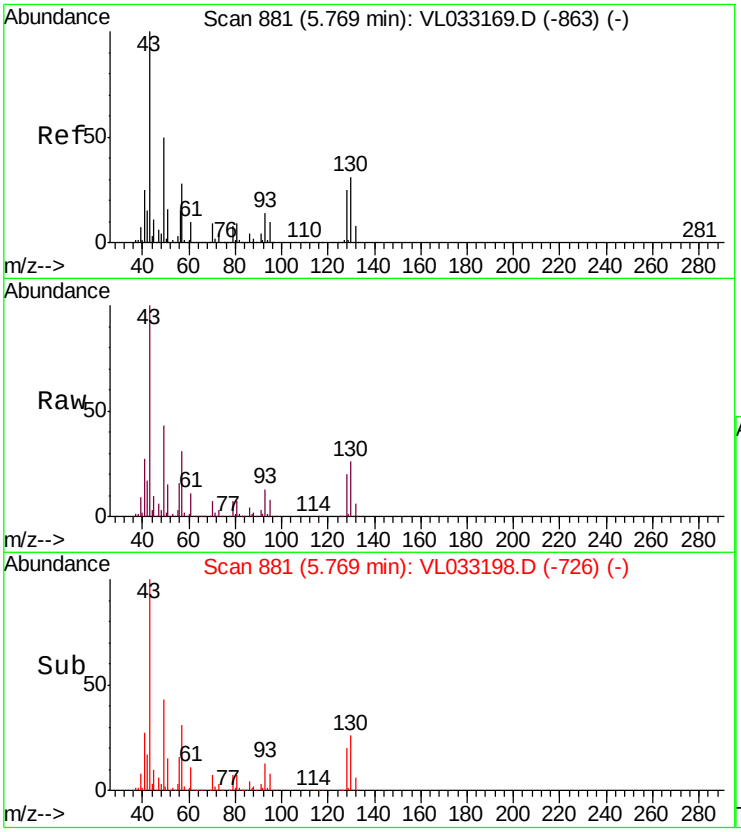


#24
1,1-Dichloroethane
Concen: 9.721 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 63 Resp: 1247939

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.4	4.2



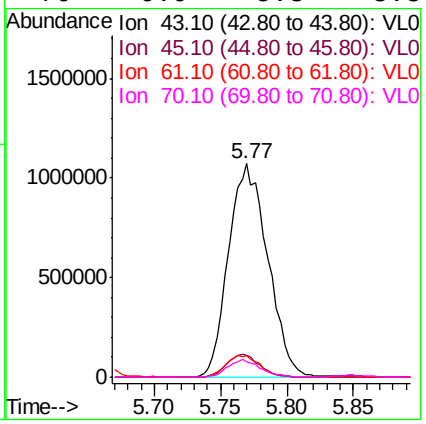


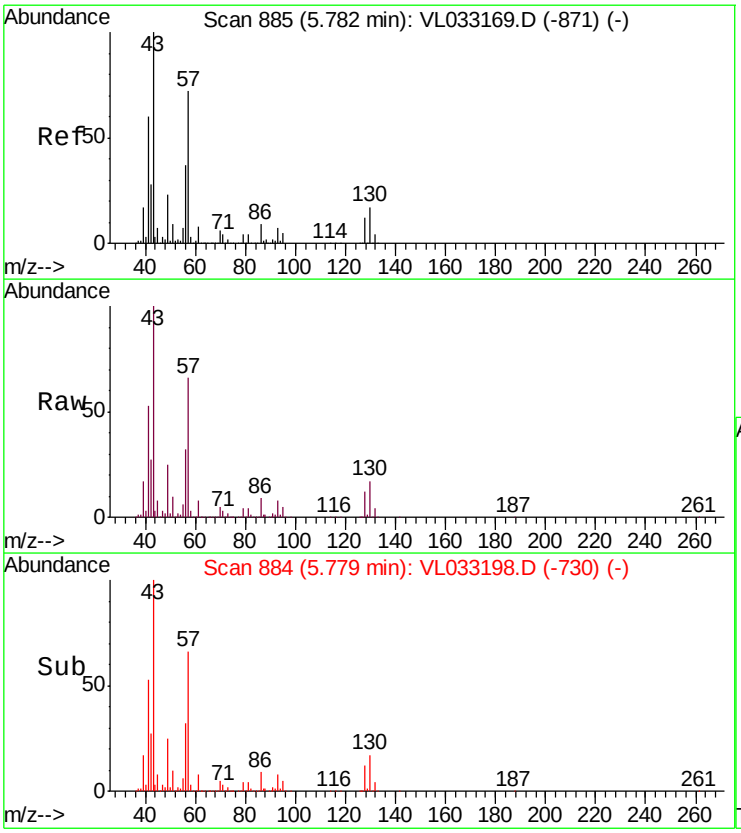
#25
Ethyl Acetate
Concen: 9.348 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2201068

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.9	11.9
61	9.0	7.5	11.3
70	6.9	5.8	8.8

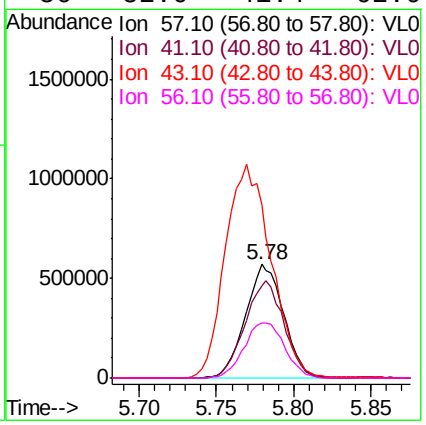


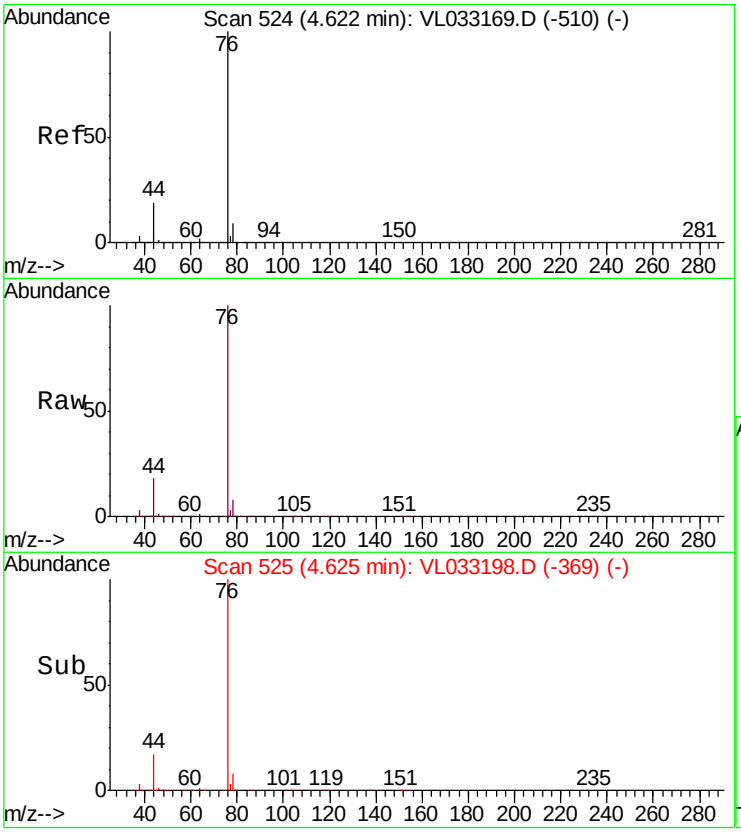


#26
Hexane
Concen: 8.822 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 57 Resp: 975120

Ion	Ratio	Lower	Upper
57	100		
41	88.0	69.4	104.2
43	226.8	176.7	265.1
56	52.0	41.4	62.0



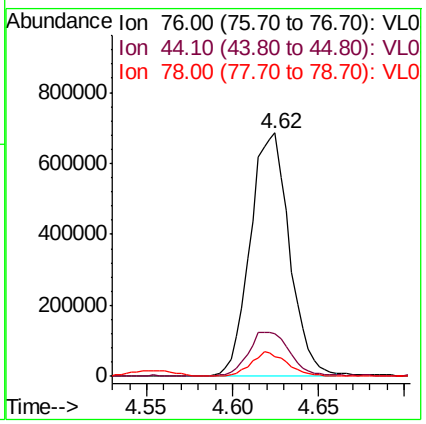


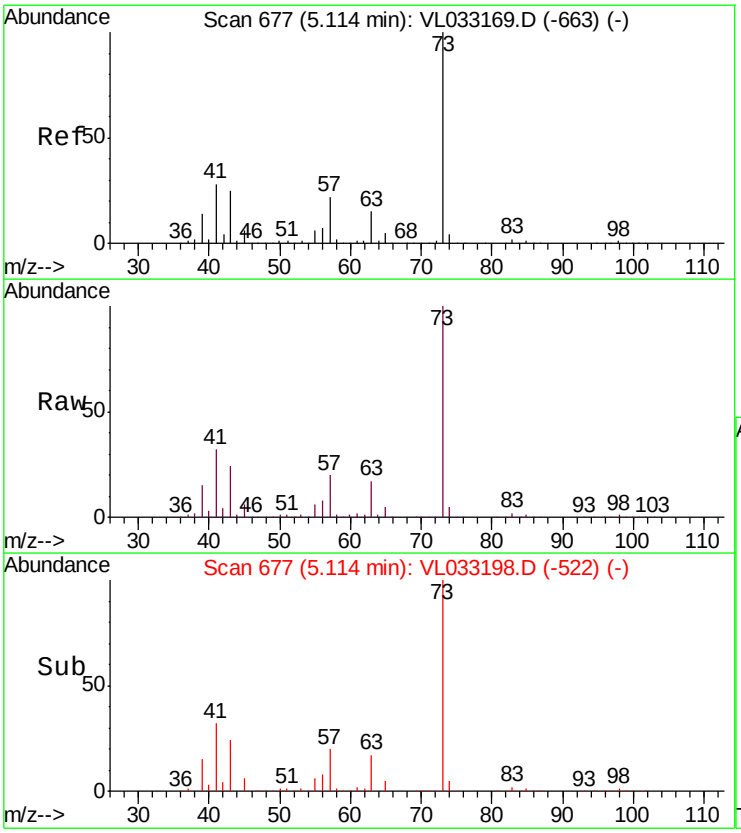
#27
Carbon Disulfide
Concen: 10.720 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1085584

Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.0	22.4
78	9.3	7.4	11.0

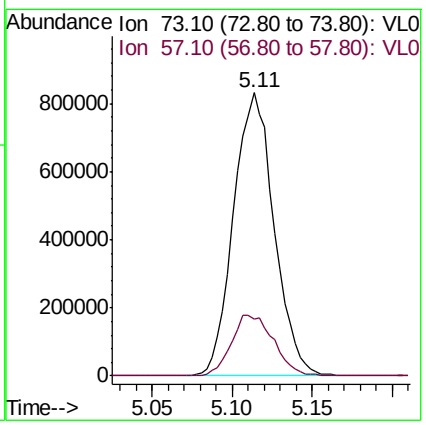


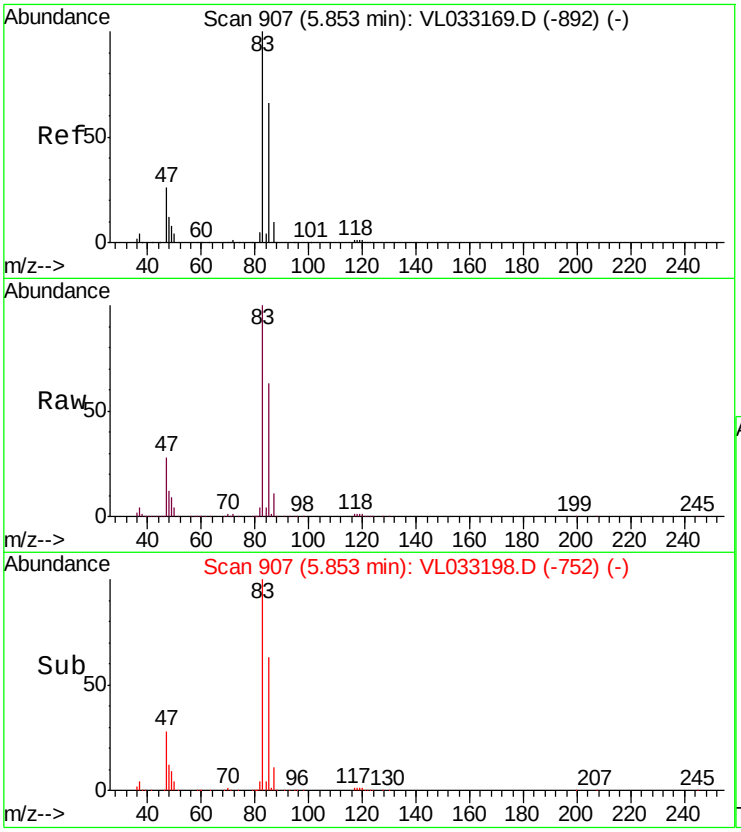


#28
Methyl tert-Butyl Ether
Concen: 9.477 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 73 Resp: 1431476

Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.9	26.9



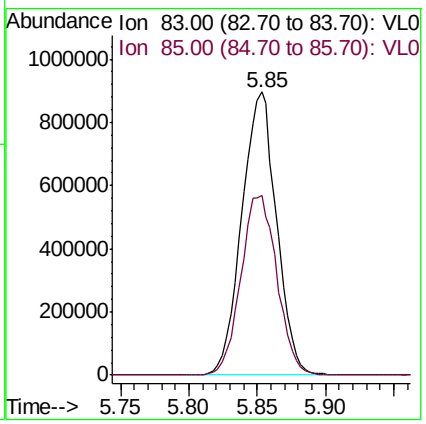


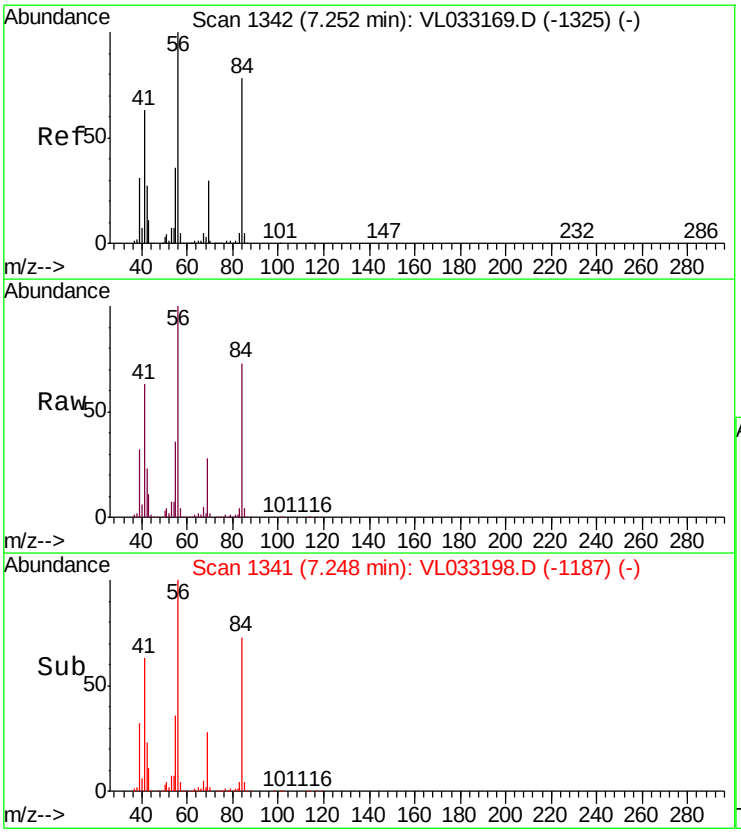
#29
Chloroform
Concen: 9.366 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1586538

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	78.8

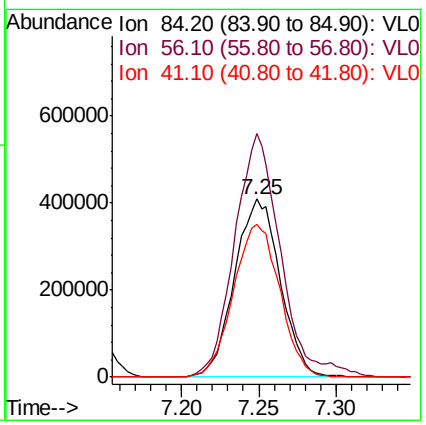


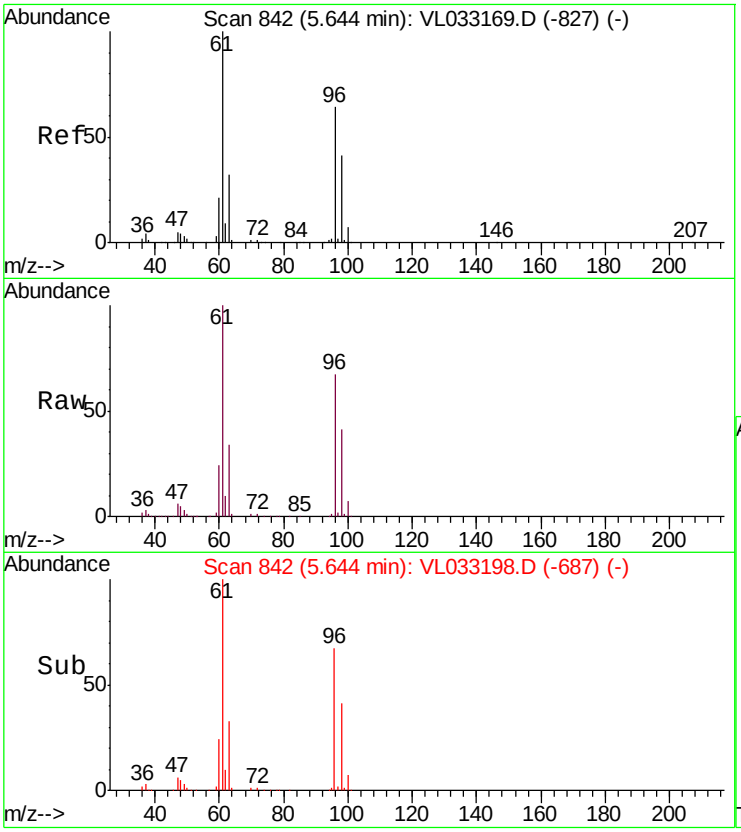


#30
Cyclohexane
Concen: 8.198 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 84 Resp: 840808

Ion	Ratio	Lower	Upper
84	100		
56	138.0	109.5	164.3
41	87.3	66.6	100.0



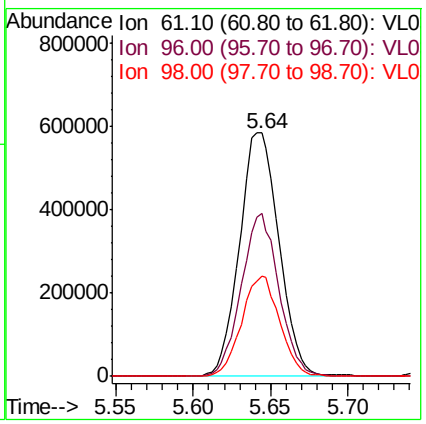


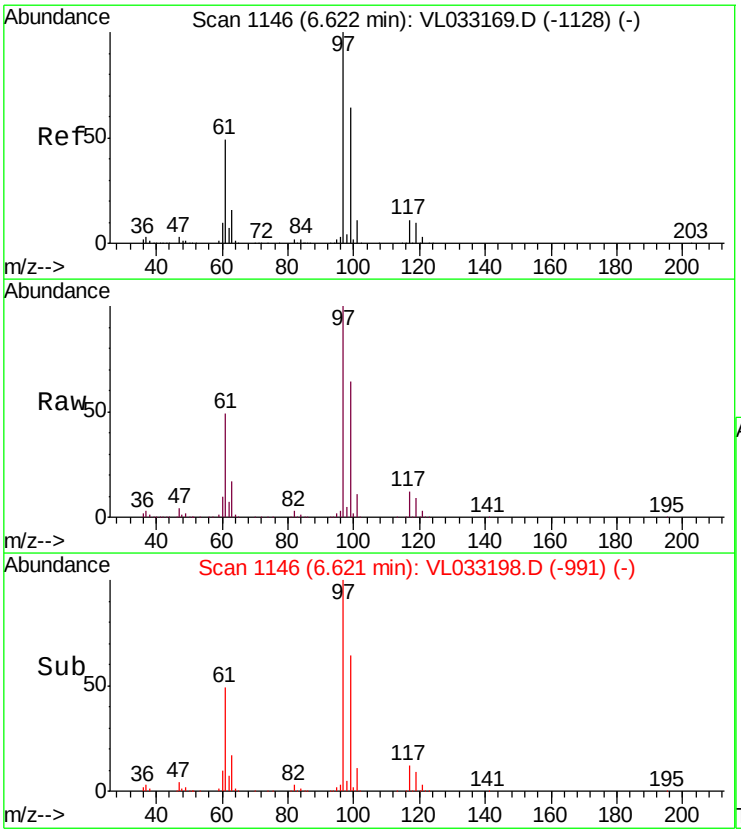
#31
cis-1,2-Dichloroethene
Concen: 9.399 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1039856

Ion	Ratio	Lower	Upper
61	100		
96	67.1	51.2	76.8
98	41.0	32.8	49.2

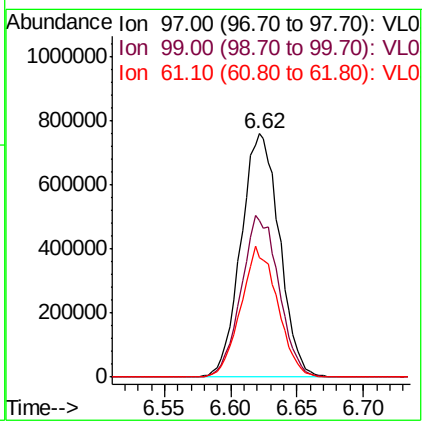


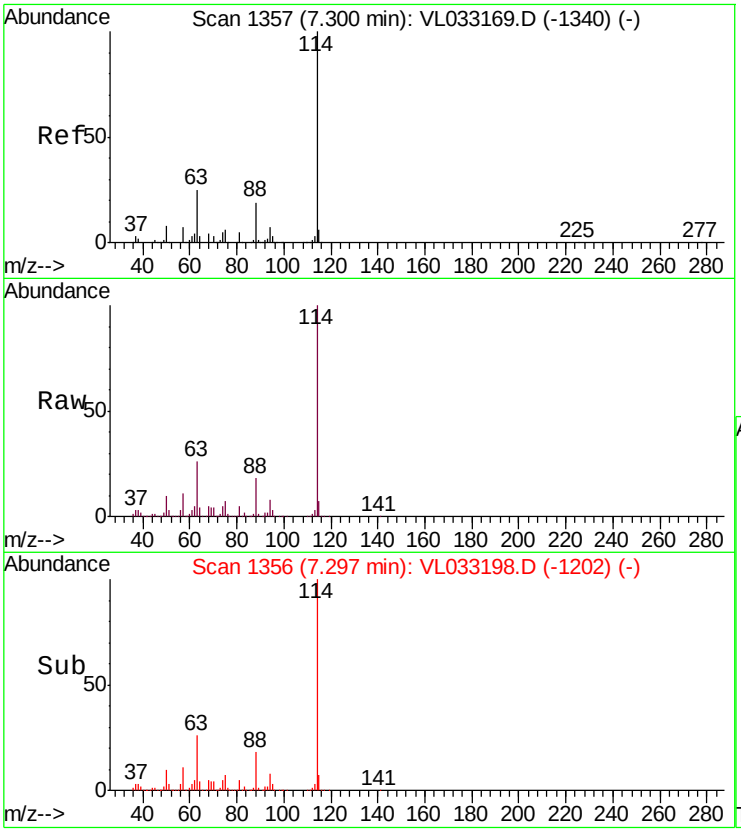


#32
1,1,1-Trichloroethane
Concen: 8.223 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 97 Resp: 1533837

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	51.0	38.9	58.3



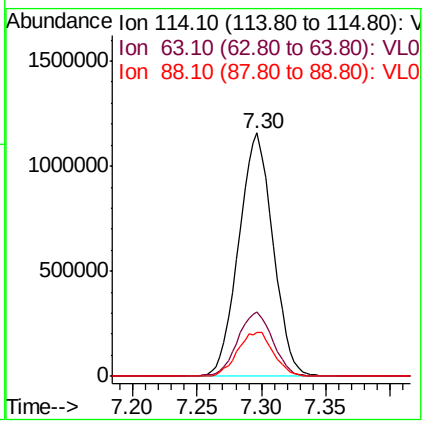


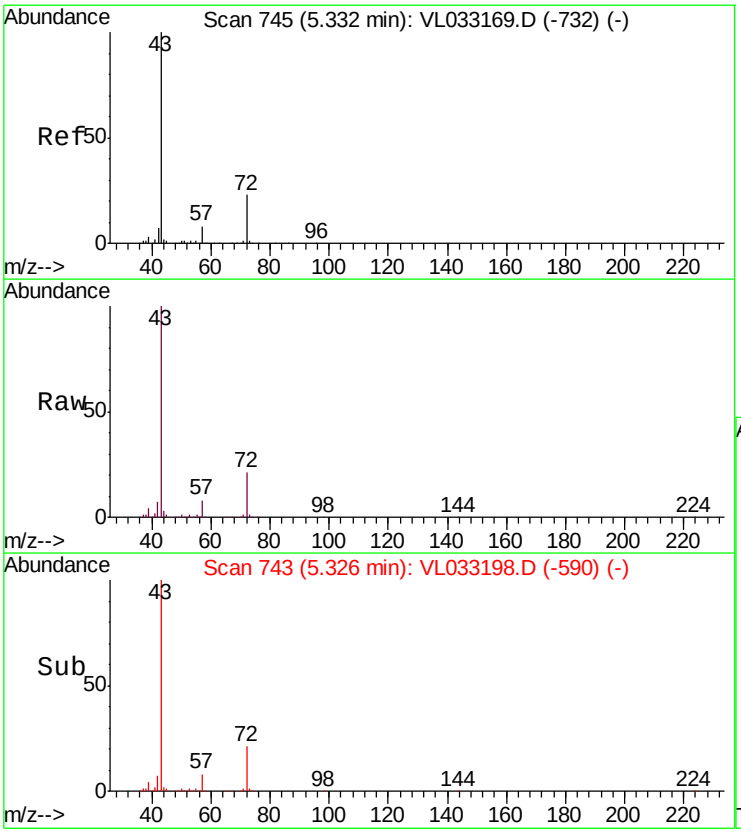
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 2142721

Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.8	31.2
88	18.9	14.6	22.0

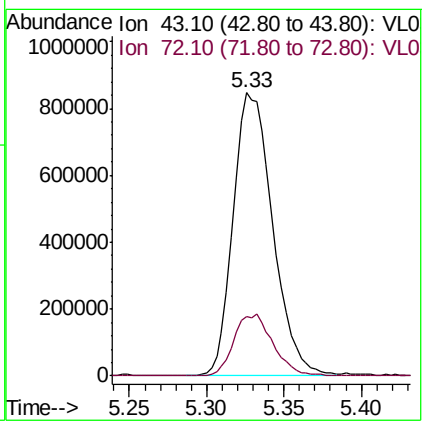


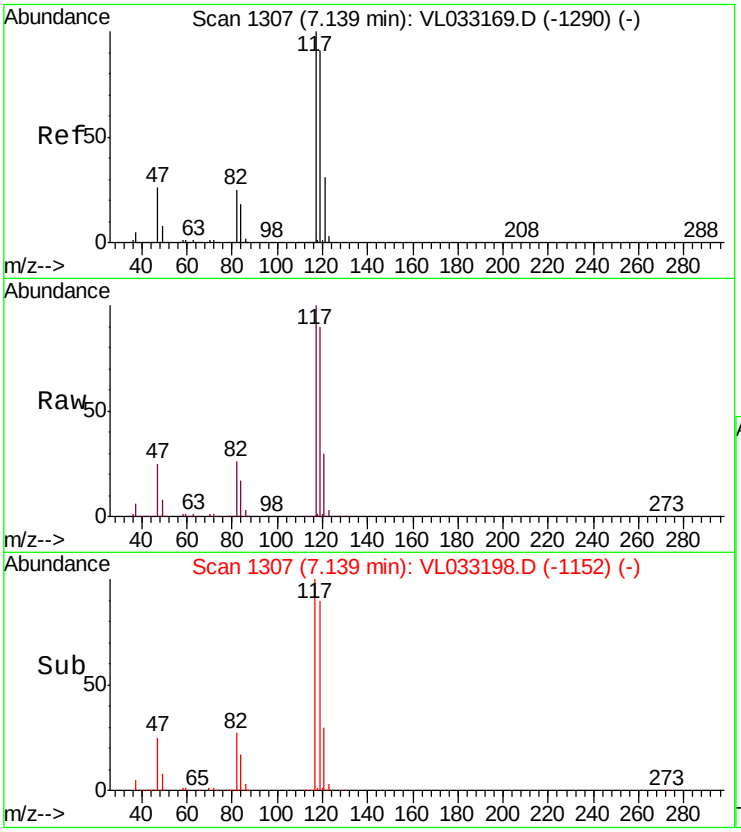


#34
2-Butanone
Concen: 11.040 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 43 Resp: 1500467

Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.8	26.6



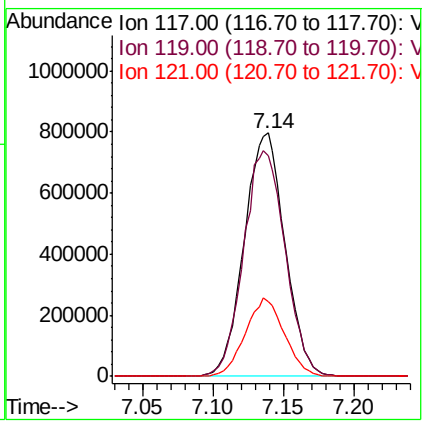


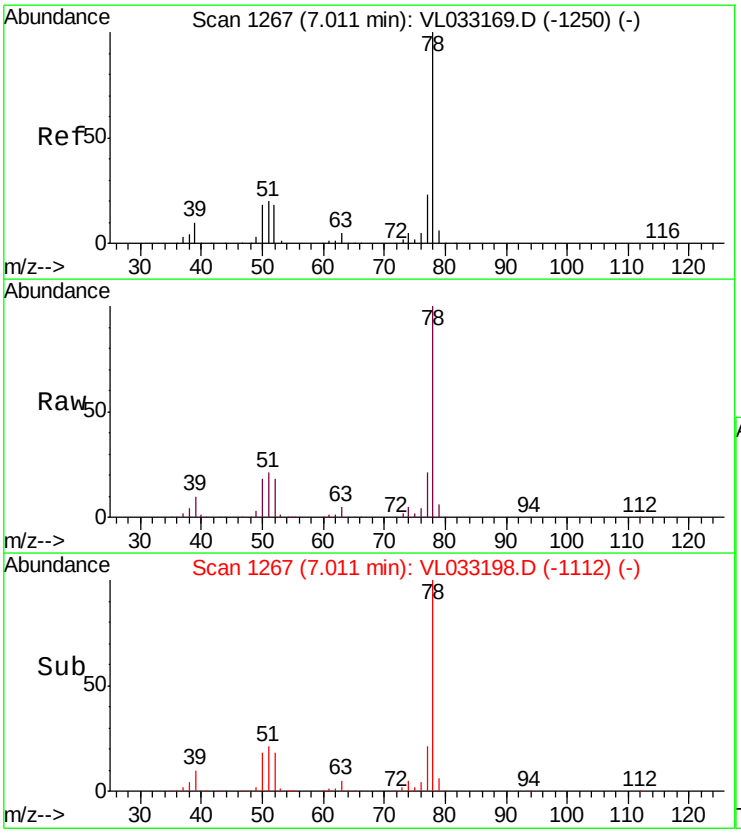
#35
Carbon Tetrachloride
Concen: 9.826 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1607997

Ion	Ratio	Lower	Upper
117	100		
119	90.4	73.0	109.6
121	30.5	25.1	37.7

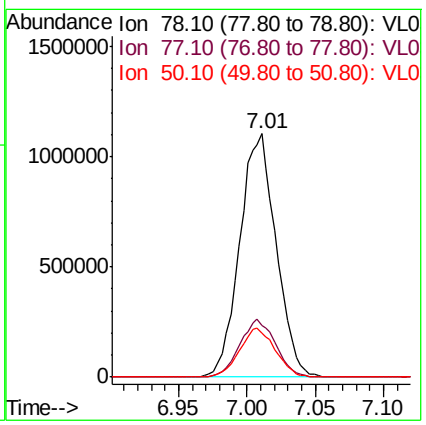


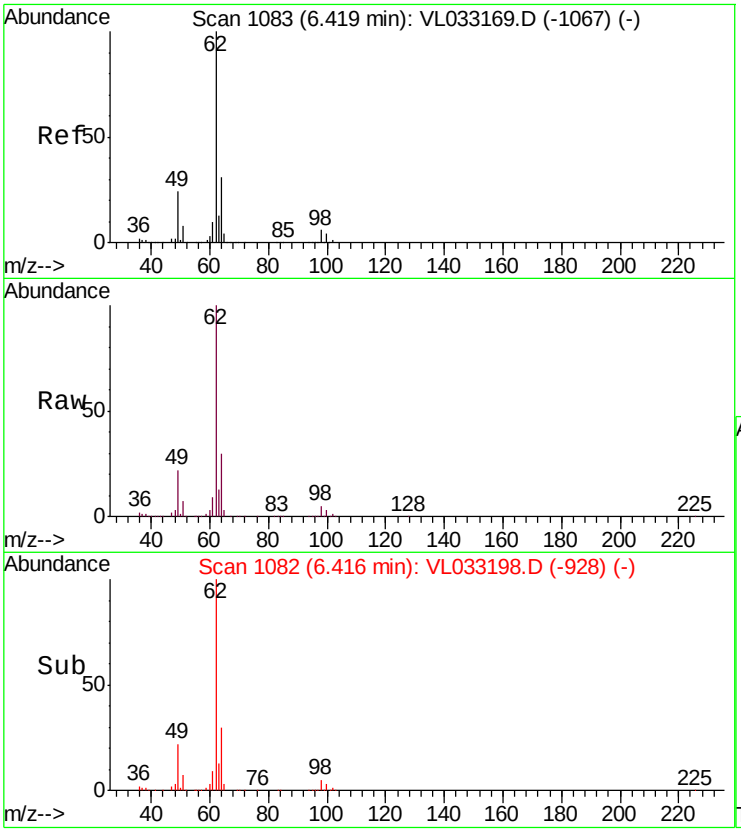


#36
Benzene
Concen: 9.411 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 78 Resp: 2043719

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.0	27.0
50	17.9	14.2	21.2



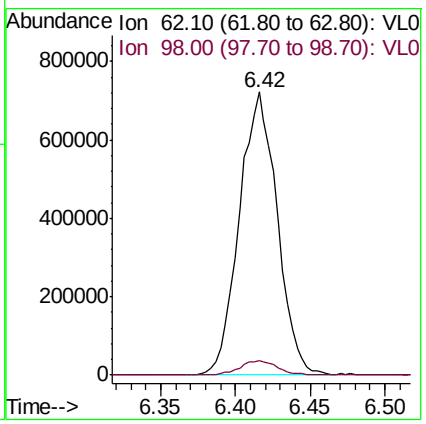


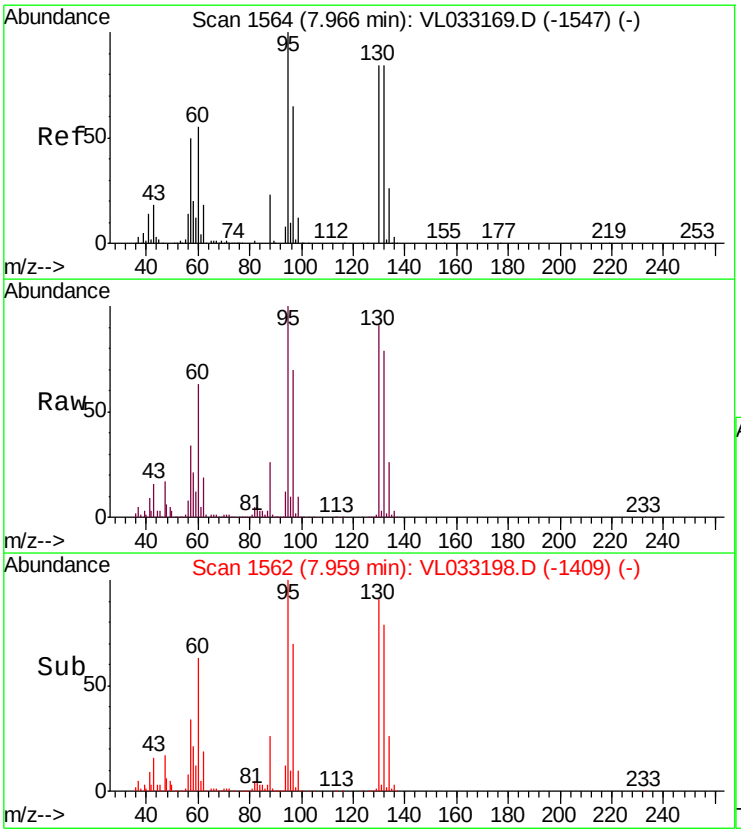
#37
1,2-Dichloroethane
Concen: 10.597 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1275353

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.7	7.1

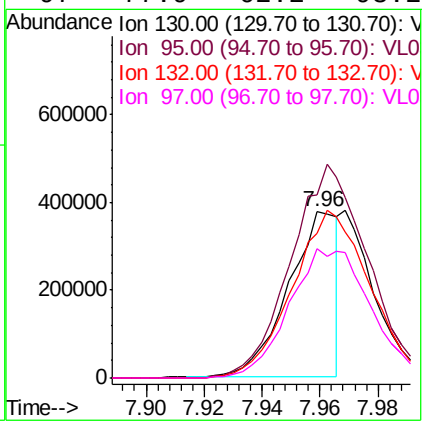


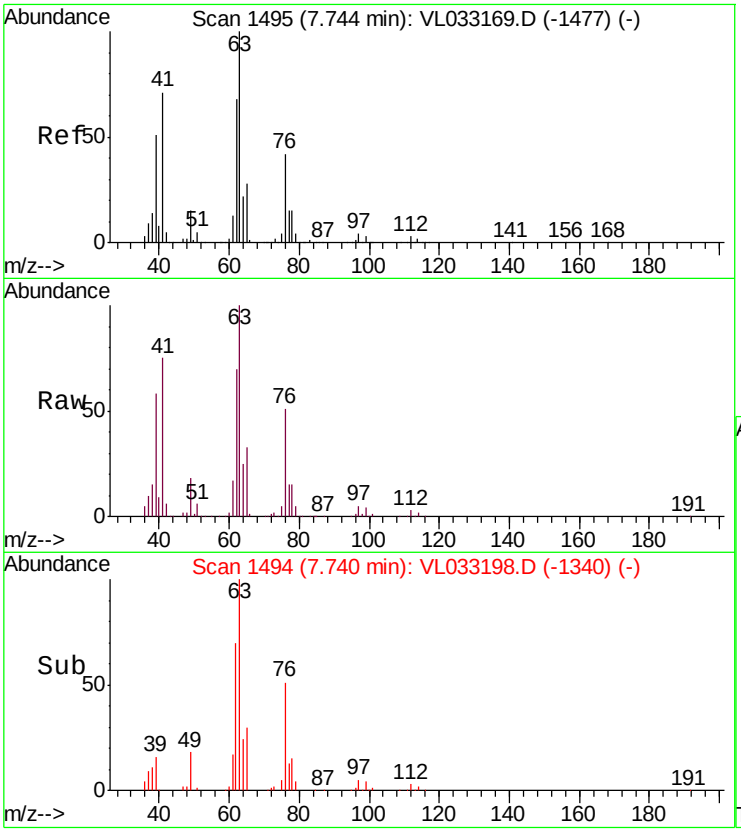


#38
Trichloroethene
Concen: 4.785 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:130 Resp: 444956

Ion	Ratio	Lower	Upper
130	100		
95	110.6	95.5	143.3
132	87.7	80.0	120.0
97	77.9	62.2	93.2



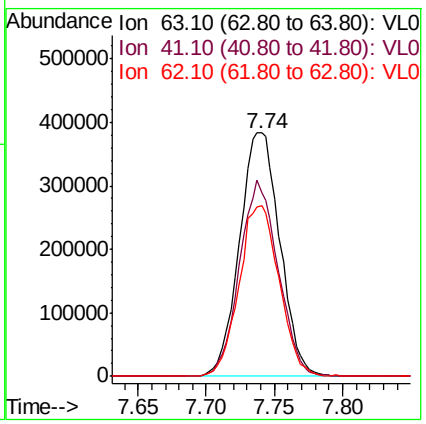


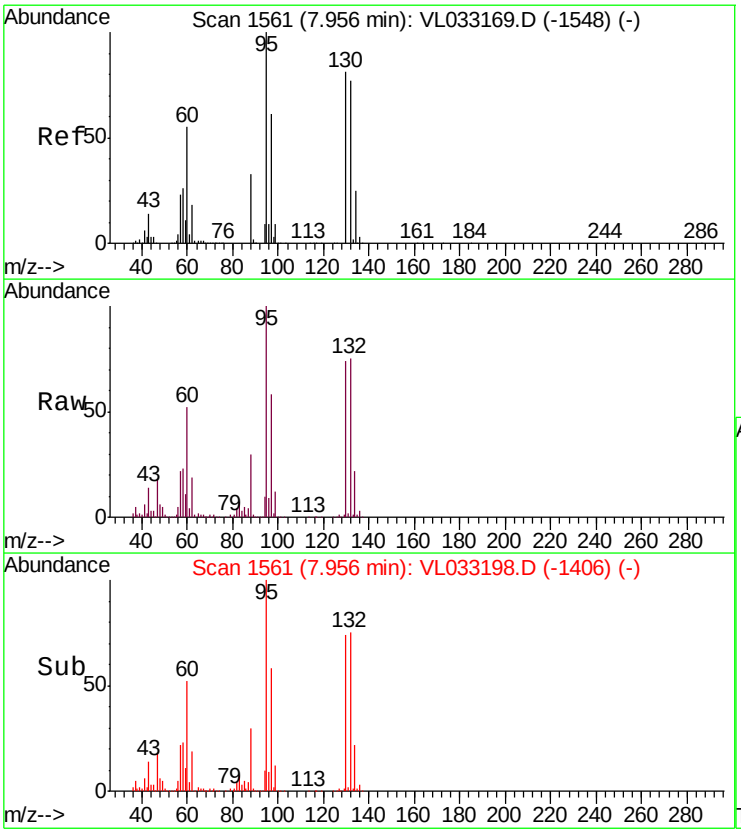
#39
1,2-Dichloropropane
Concen: 9.188 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 787981

Ion	Ratio	Lower	Upper
63	100		
41	75.4	56.4	84.6
62	69.8	54.2	81.4

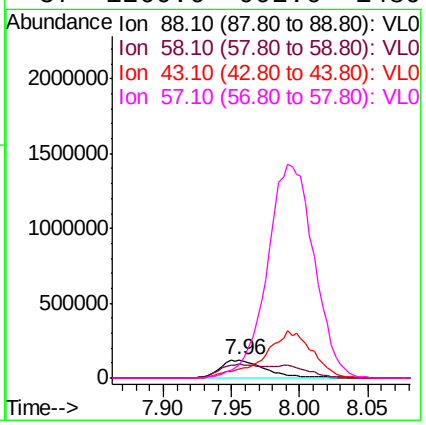


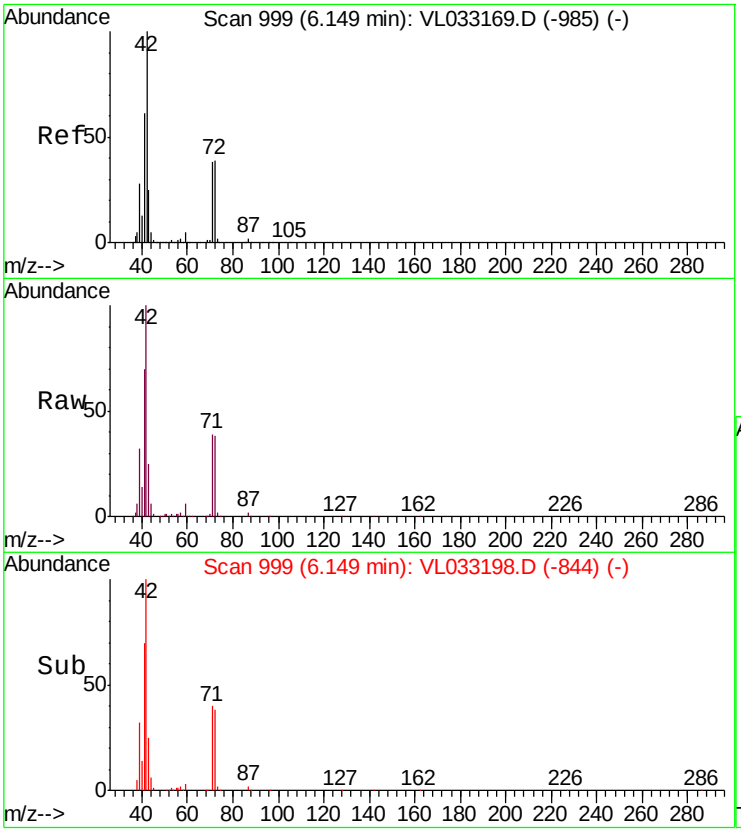


#40
1,4-Dioxane
Concen: 8.699 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 88 Resp: 271140

Ion	Ratio	Lower	Upper
88	100		
58	135.4	106.6	160.0
43	284.6	220.2	330.2
57	1260.6	992.6	1489.0



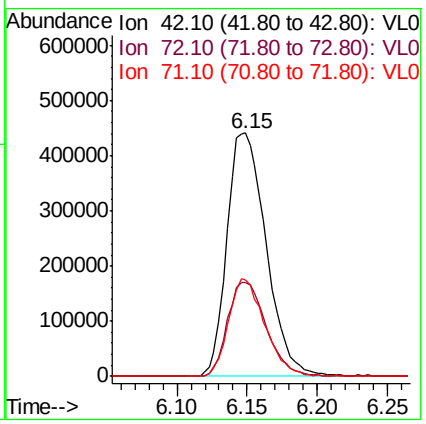


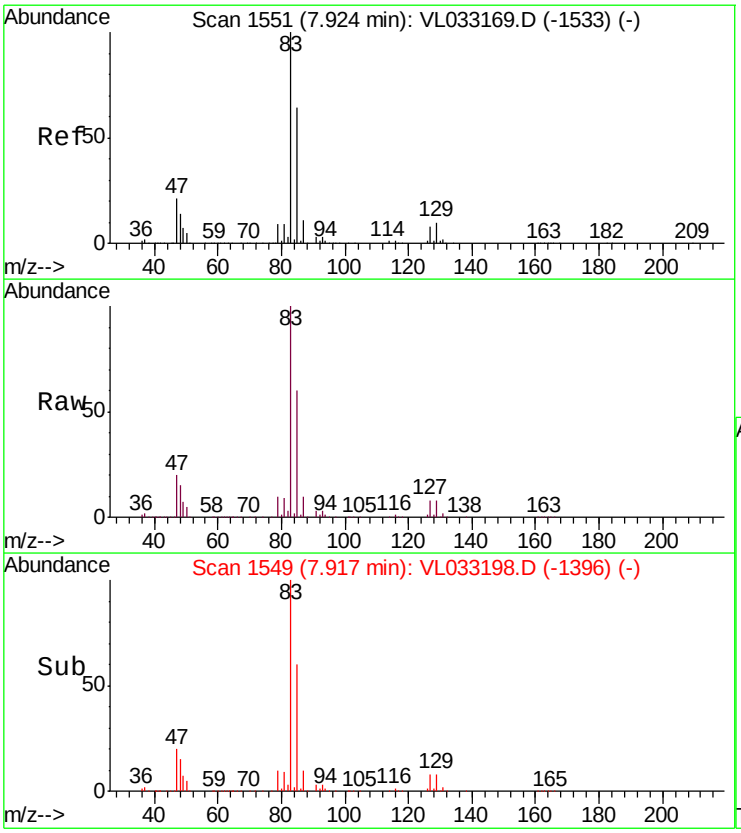
#41
Tetrahydrofuran
Concen: 10.195 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 857703

Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.6	47.4
71	37.6	30.3	45.5

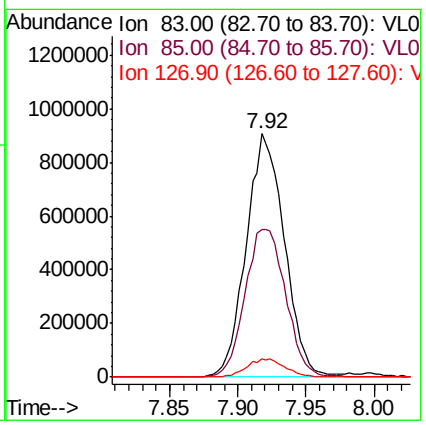


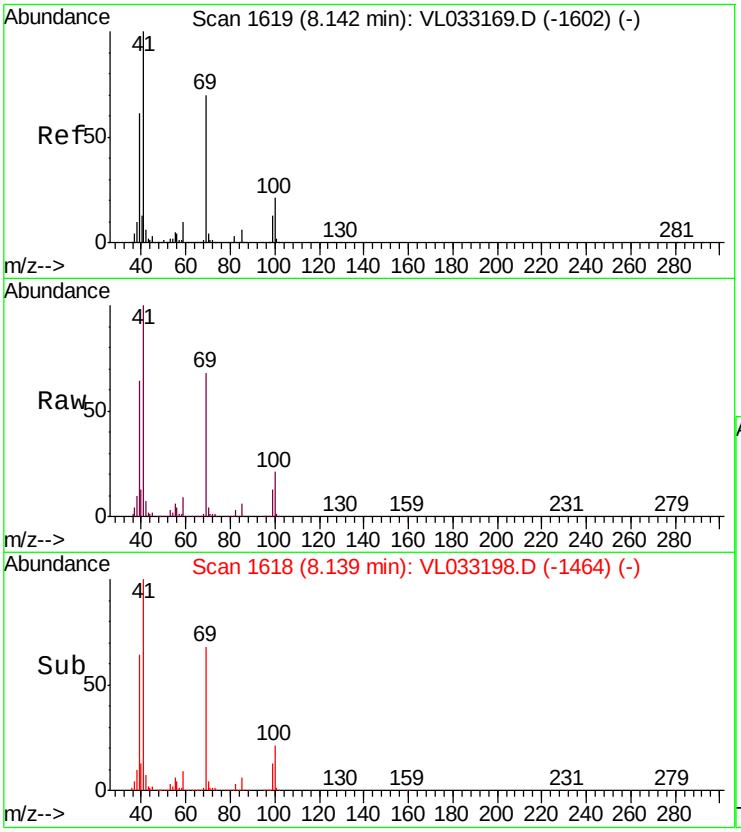


#42
Bromodichloromethane
Concen: 10.103 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 83 Resp: 1762048

Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.1	76.7
127	7.7	6.4	9.6



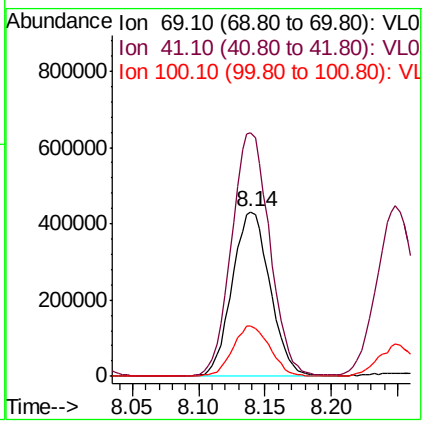


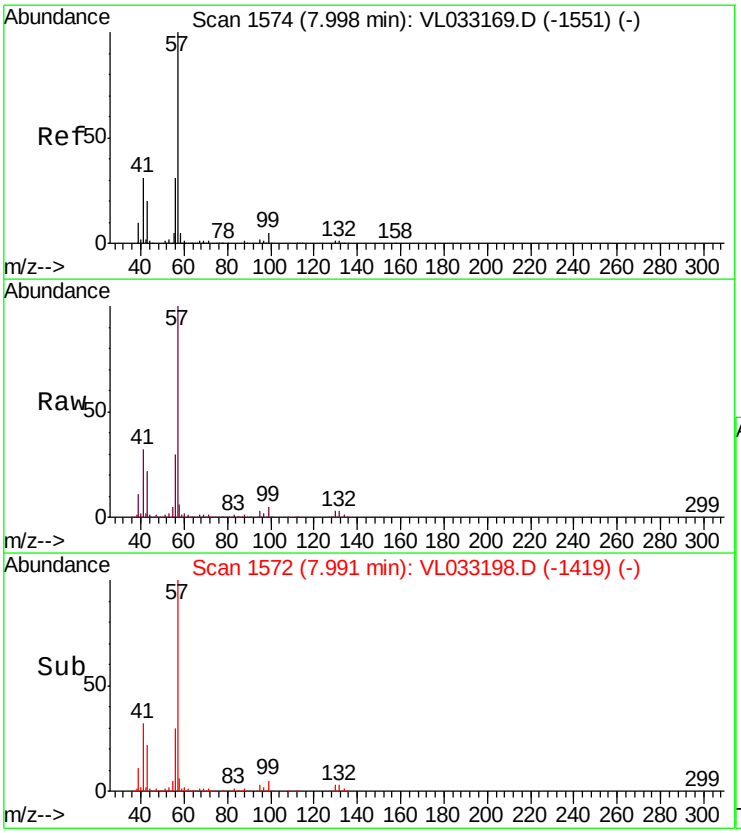
#43
Methyl Methacrylate
Concen: 9.850 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 858746

Ion	Ratio	Lower	Upper
69	100		
41	148.7	117.1	175.7
100	30.1	25.0	37.6

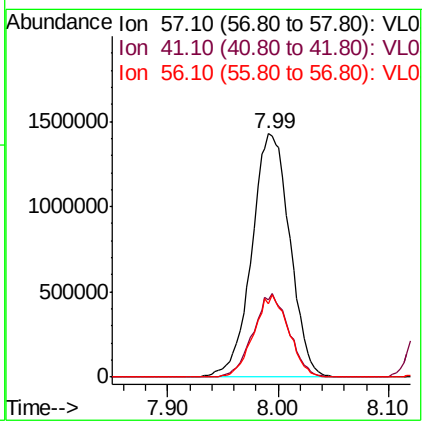


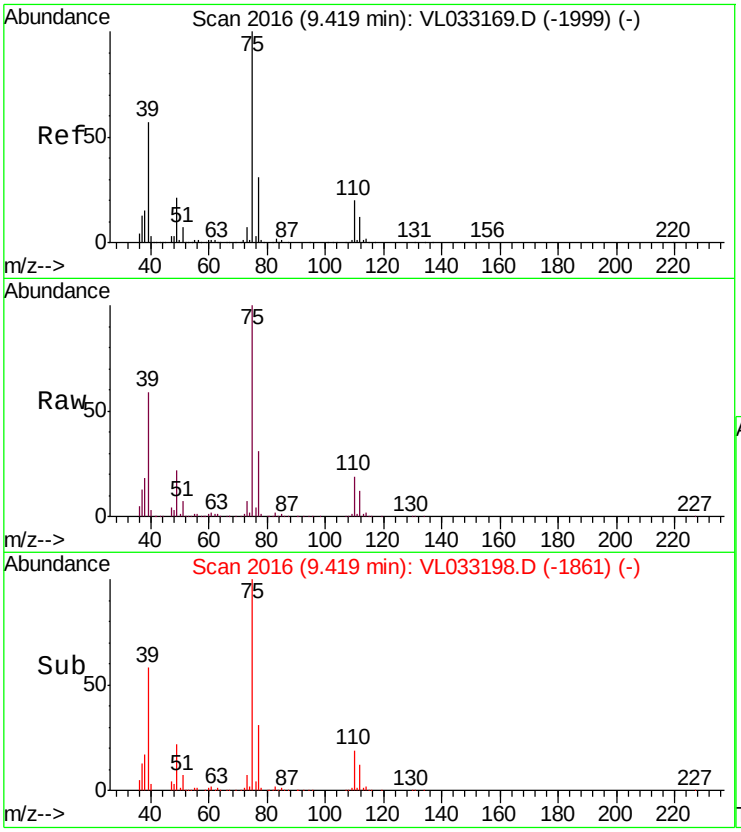


#44
2,2,4-Trimethylpentane
Concen: 9.270 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 57 Resp: 3411365

Ion	Ratio	Lower	Upper
57	100		
41	32.3	25.1	37.7
56	30.8	24.5	36.7



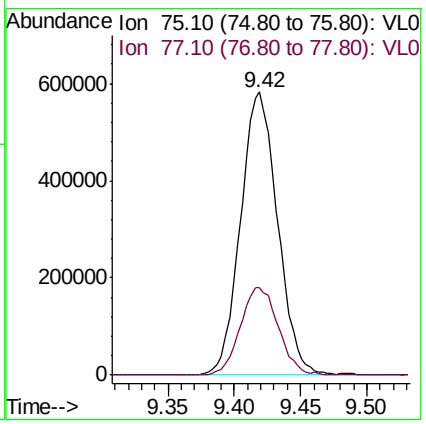


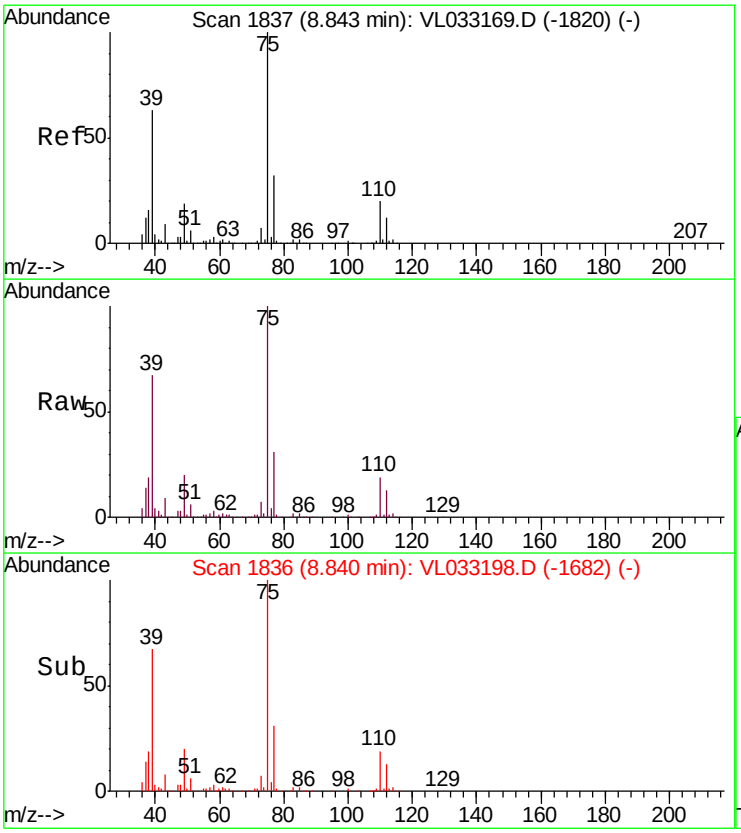
#45
t-1,3-Dichloropropene
Concen: 11.661 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 1129425

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4

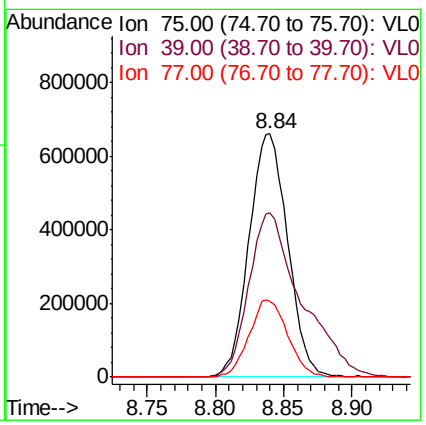


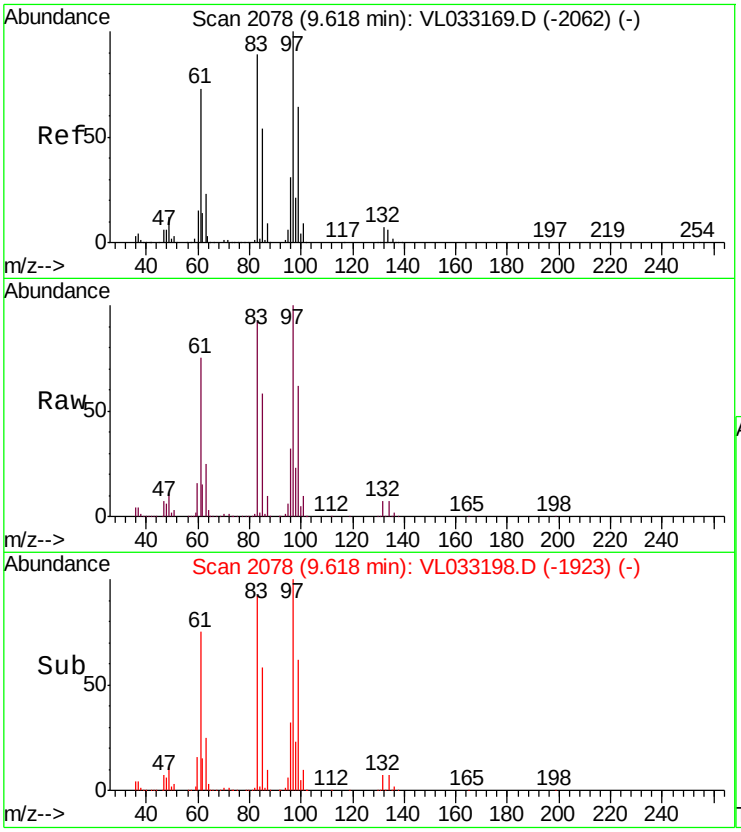


#46
cis-1,3-Dichloropropene
Concen: 10.545 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 75 Resp: 1300881

Ion	Ratio	Lower	Upper
75	100		
39	67.3	50.1	75.1
77	31.4	25.4	38.2



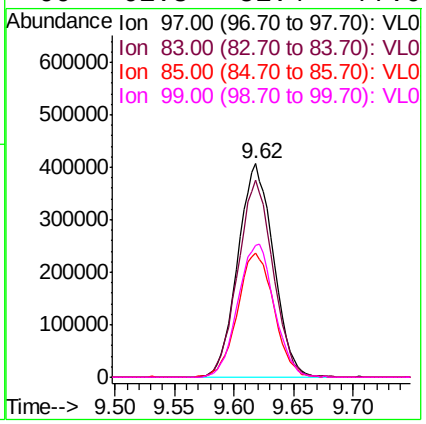


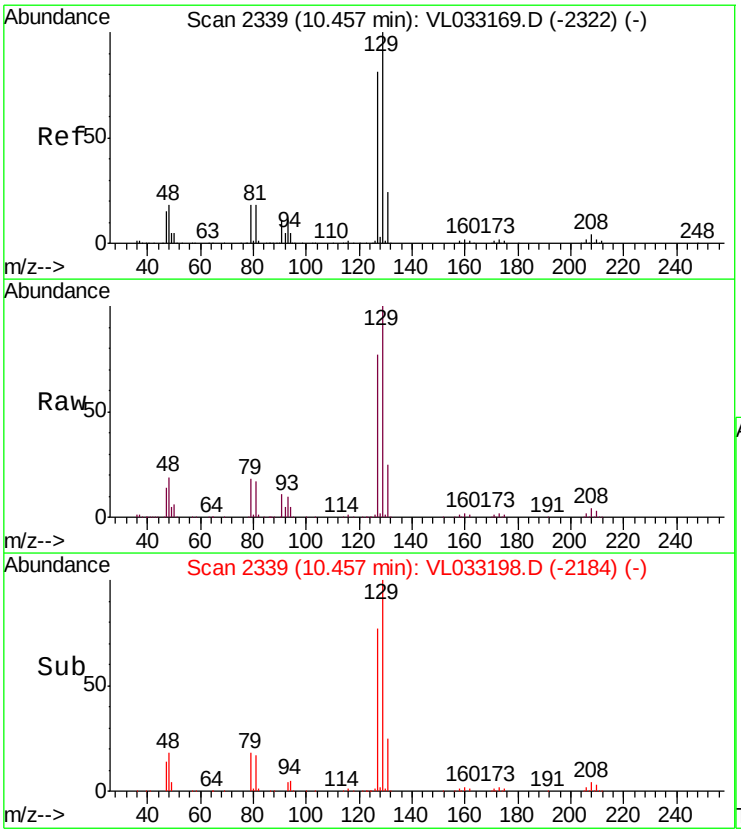
#47
1,1,2-Trichloroethane
Concen: 9.504 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 845912

Ion	Ratio	Lower	Upper
97	100		
83	92.0	71.4	107.2
85	57.9	43.5	65.3
99	61.8	51.4	77.0

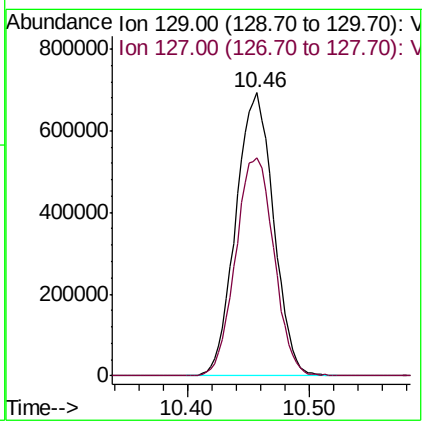


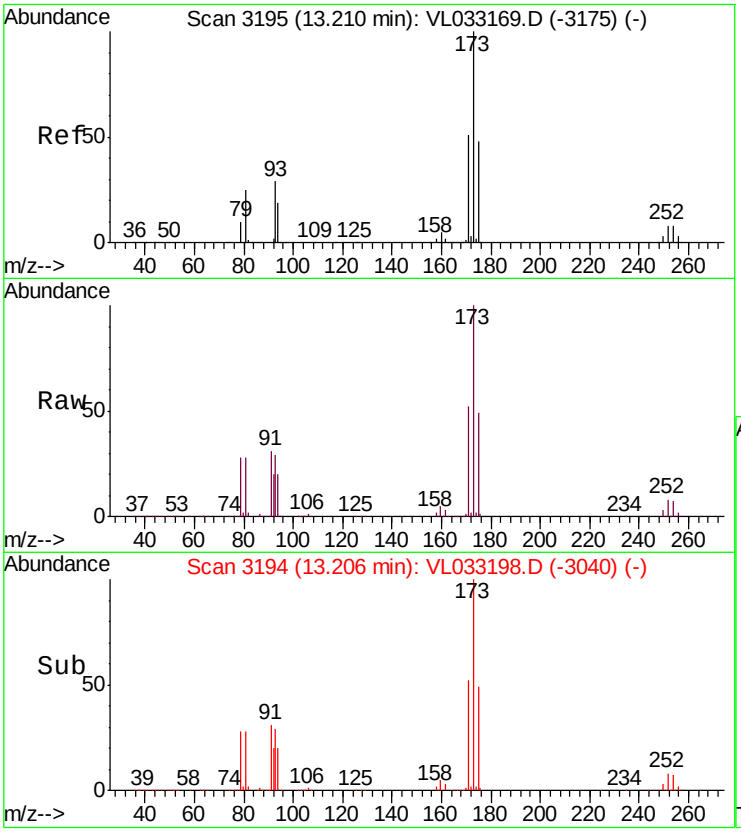


#48
Dibromochloromethane
Concen: 10.561 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:129 Resp: 1479835

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3



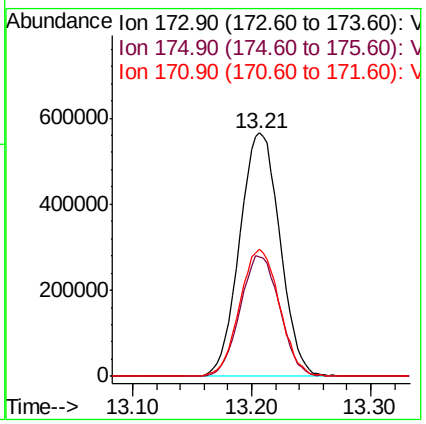


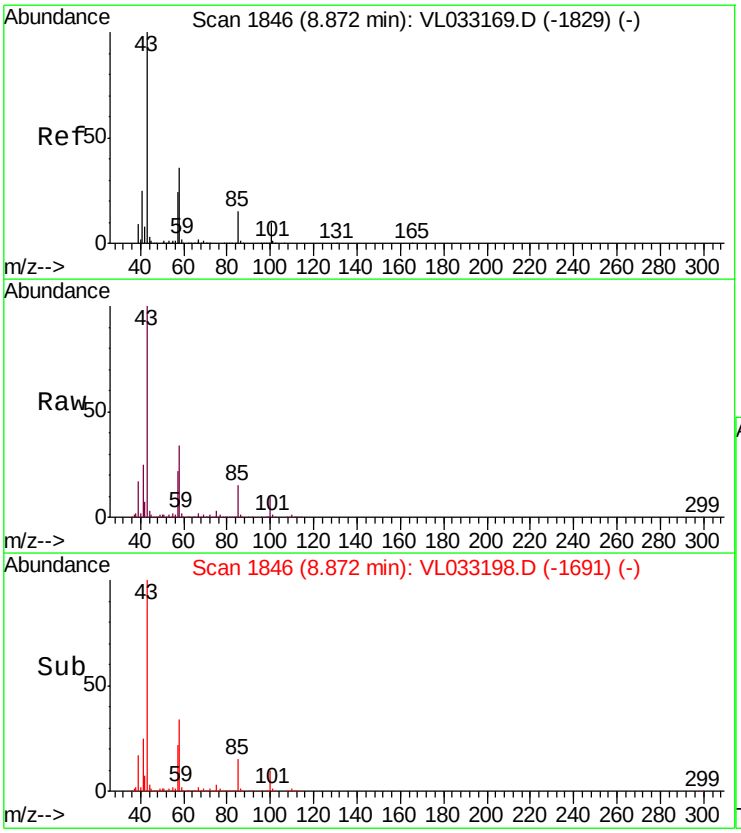
#49
Bromoform
Concen: 11.003 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1326415

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	51.4	41.6	62.4

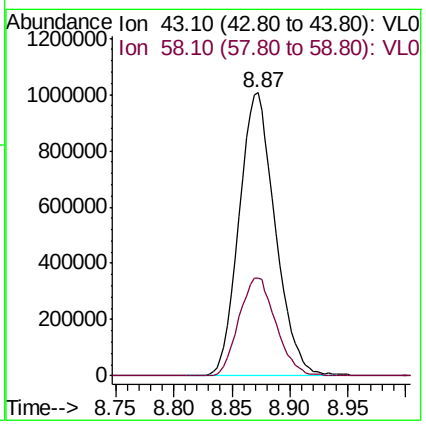


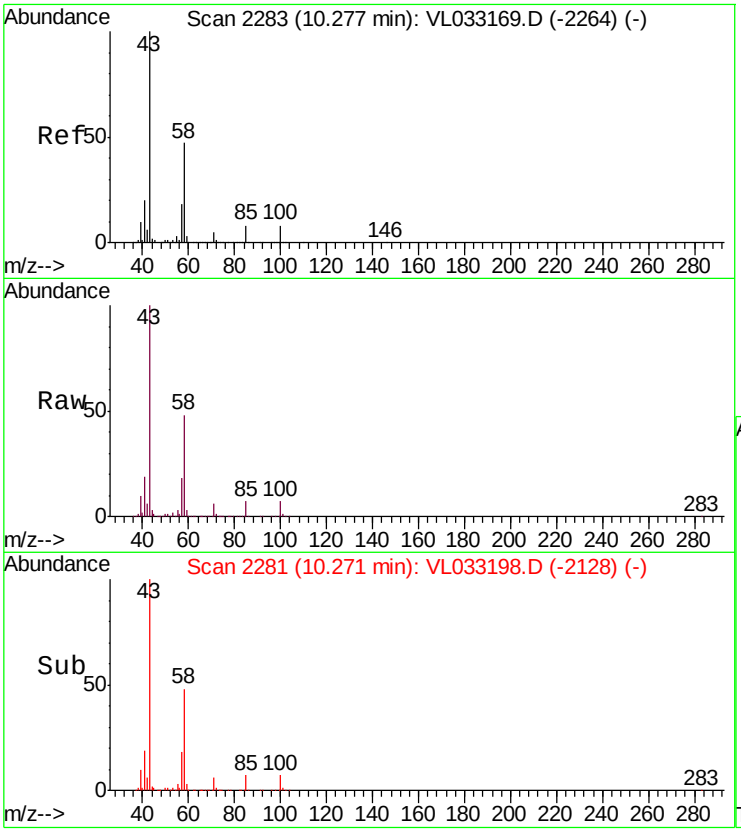


#50
4-Methyl-2-Pentanone
Concen: 9.994 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 43 Resp: 2178142

Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.0	43.6



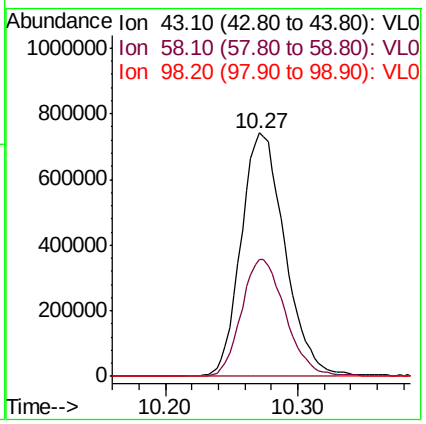


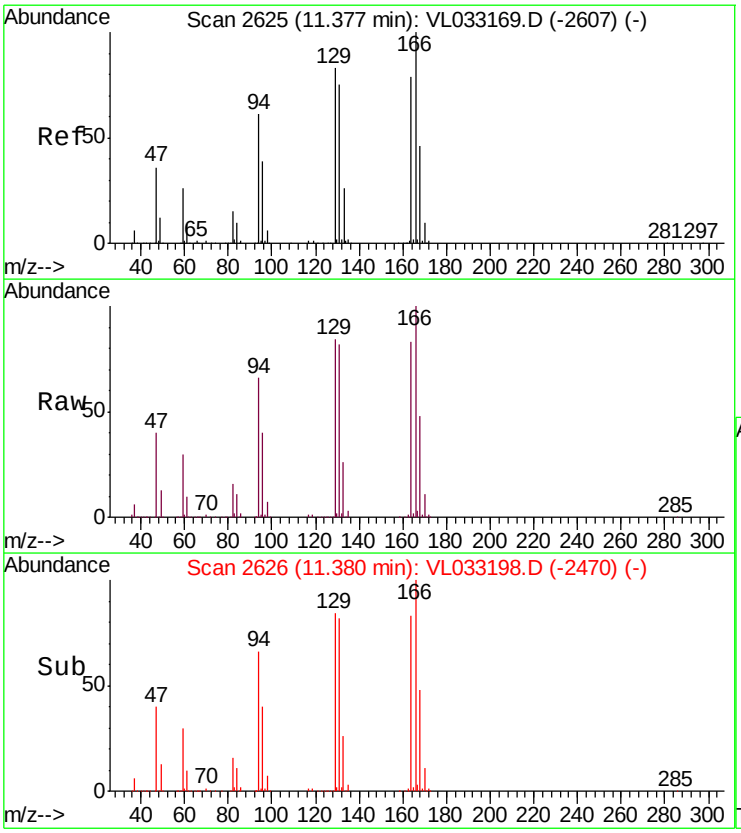
#51
2-Hexanone
Concen: 9.895 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1700304

Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.1	58.7
98	0.2	0.2	0.2

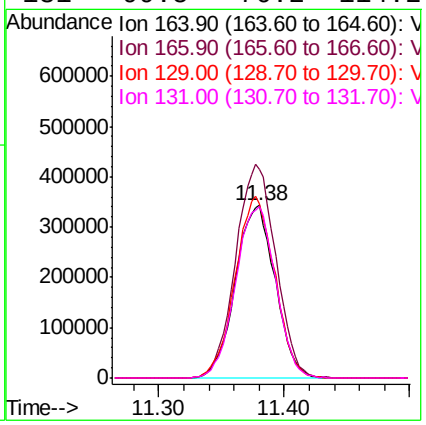


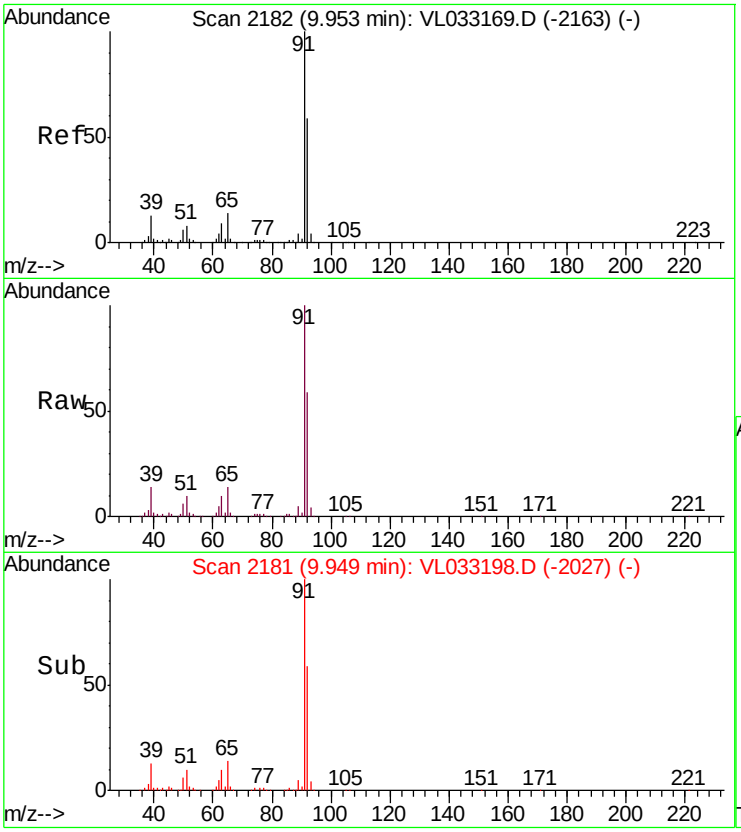


#52
Tetrachloroethene
Concen: 9.043 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:164 Resp: 754456

Ion	Ratio	Lower	Upper
164	100		
166	120.5	100.9	151.3
129	100.7	83.9	125.9
131	99.5	76.2	114.2



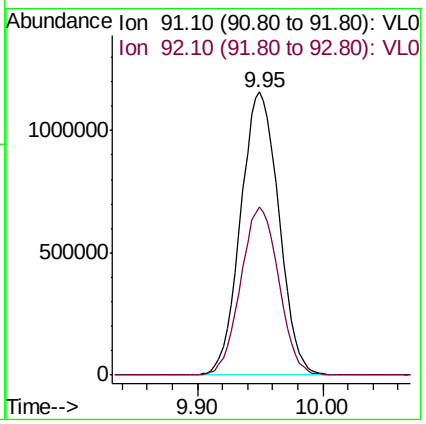


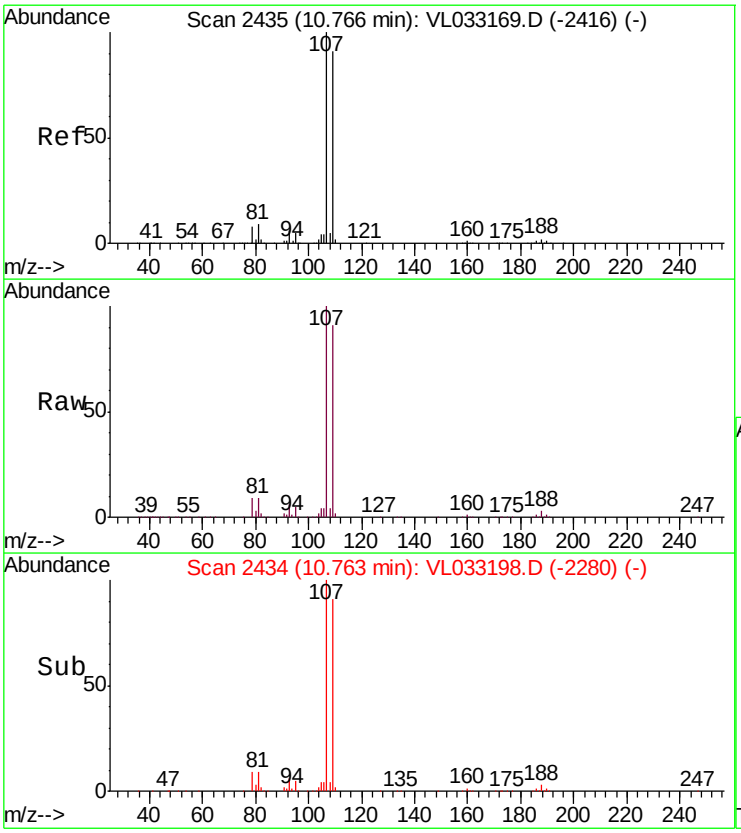
#53
Toluene
Concen: 9.532 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2451055

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.0	72.0

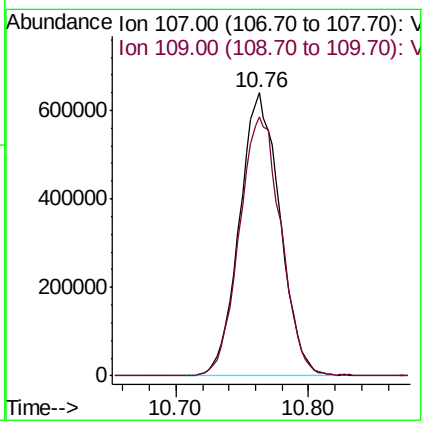


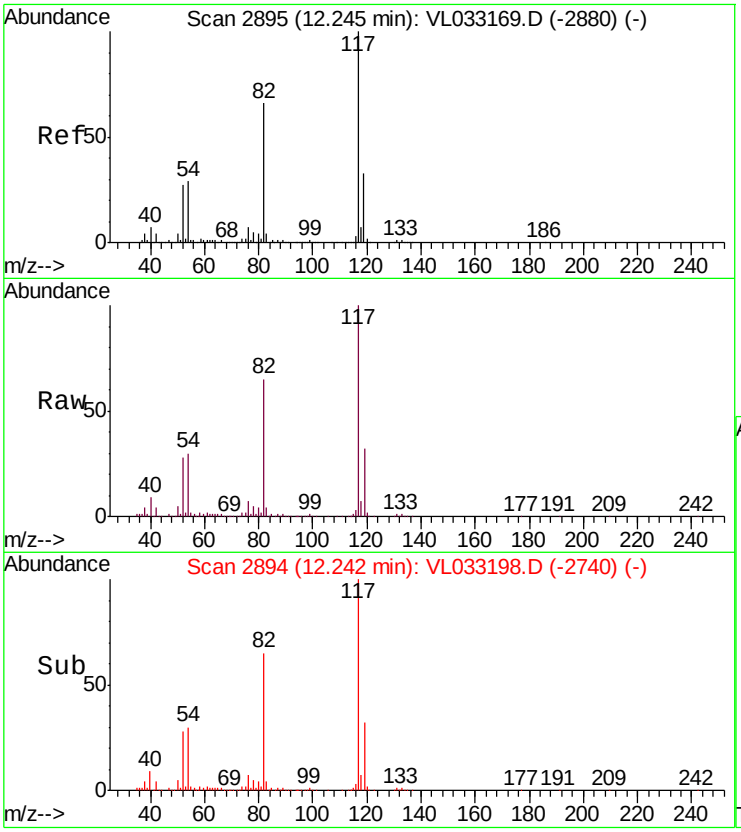


#54
1,2-Dibromoethane
Concen: 9.711 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:107 Resp: 1355343

Ion	Ratio	Lower	Upper
107	100		
109	91.3	73.2	109.8



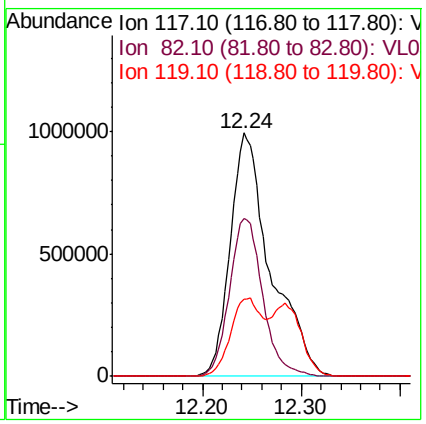


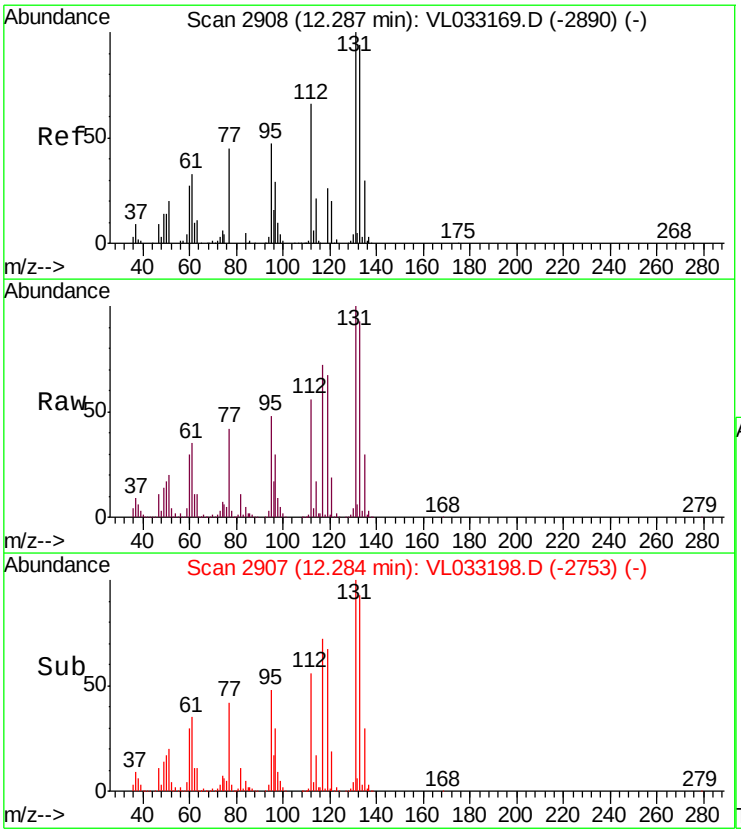
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2825221

Ion	Ratio	Lower	Upper
117	100		
82	53.6	49.5	74.3
119	23.4	24.4	36.6#

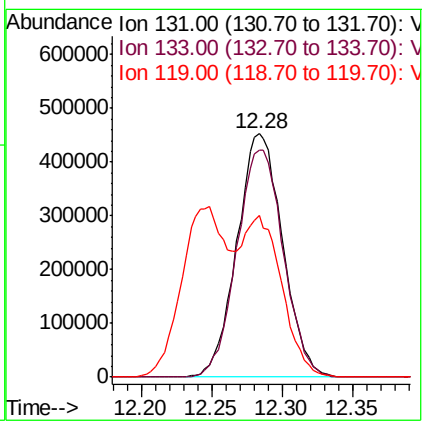


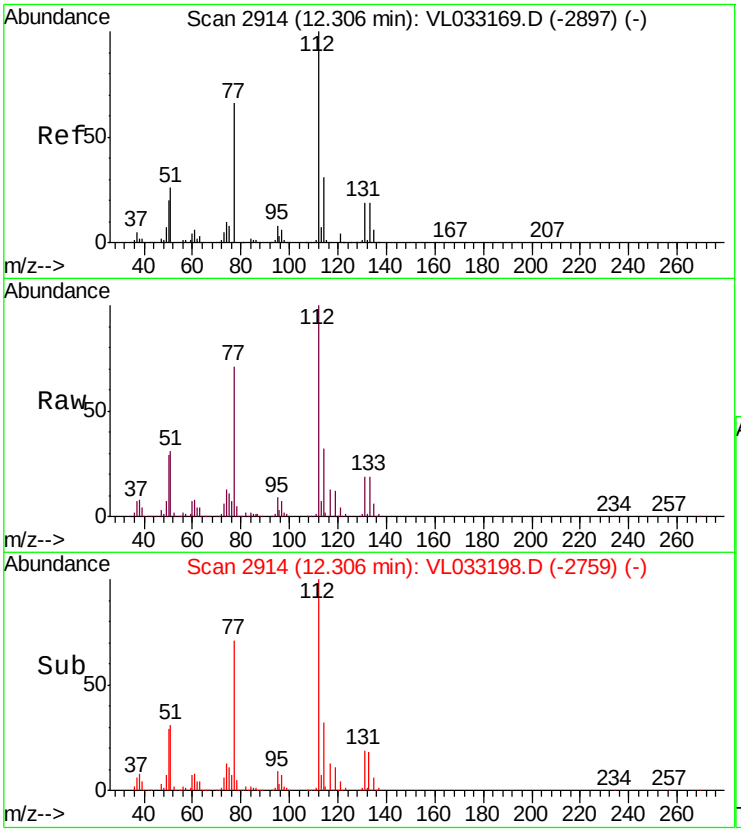


#56
1,1,1,2-Tetrachloroethane
Concen: 7.895 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:131 Resp: 1023782

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	57.0	110.9	166.3#



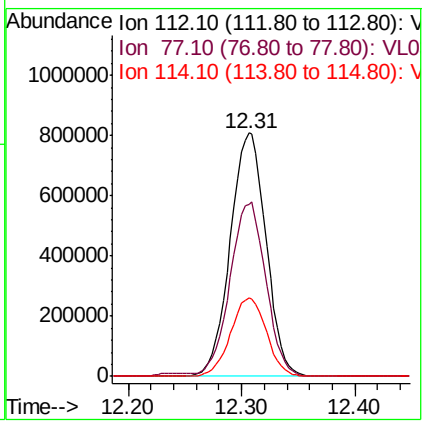


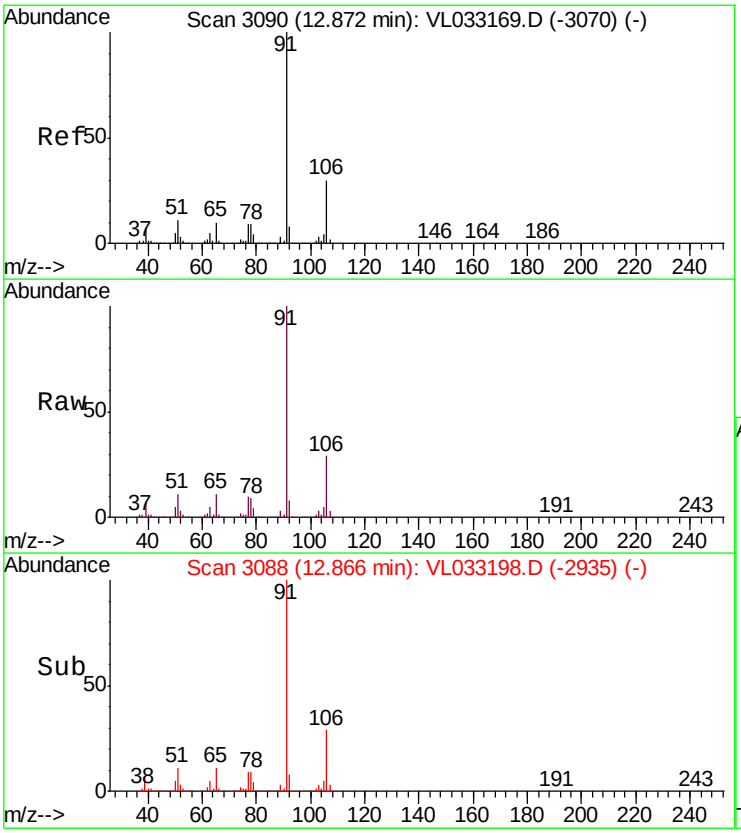
#57
Chlorobenzene
Concen: 7.191 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1773620

Ion	Ratio	Lower	Upper
112	100		
77	70.6	54.0	81.0
114	32.2	27.9	34.1

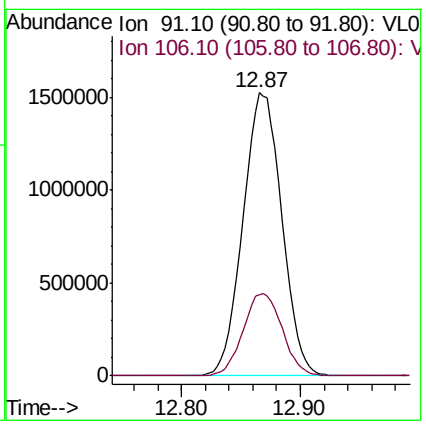


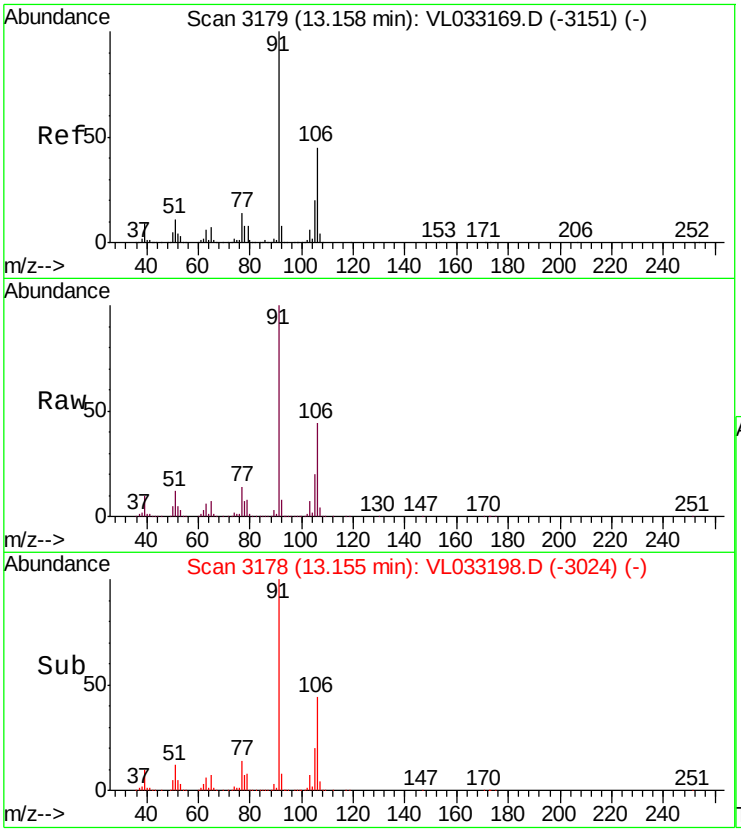


#58
Ethyl Benzene
Concen: 7.537 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 3446410

Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.8	35.8



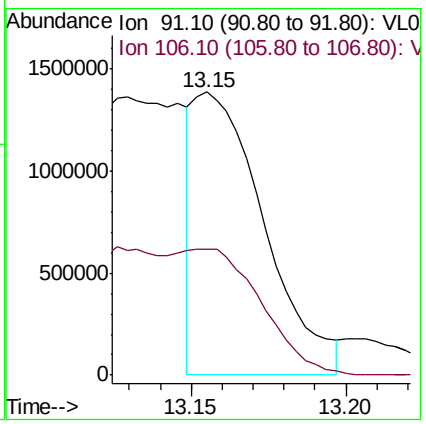


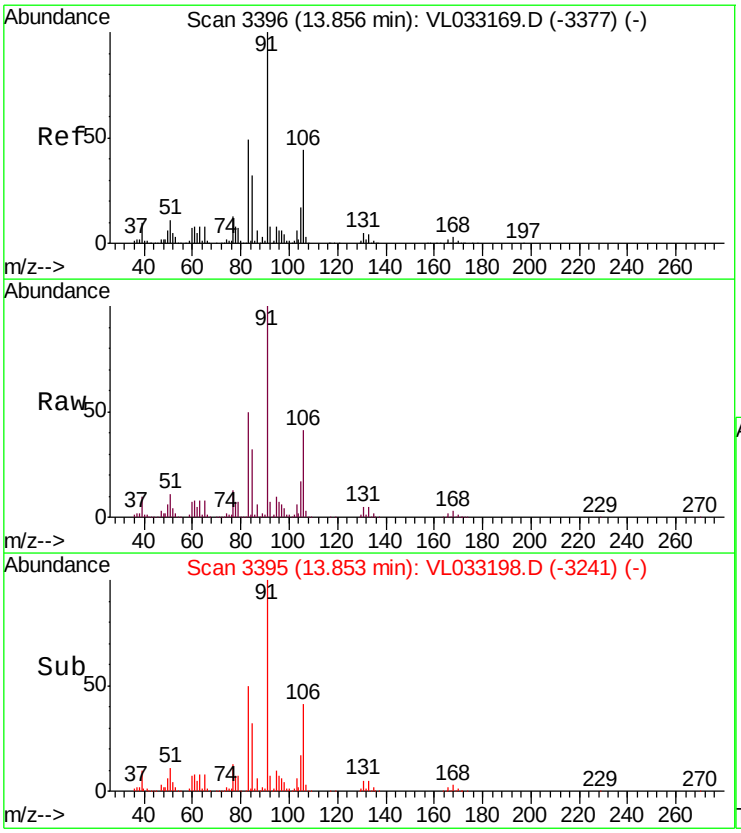
#59
m/p-Xylene
Concen: 5.694 ppbv
RT: 13.15 min Scan# 3178
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2172641

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

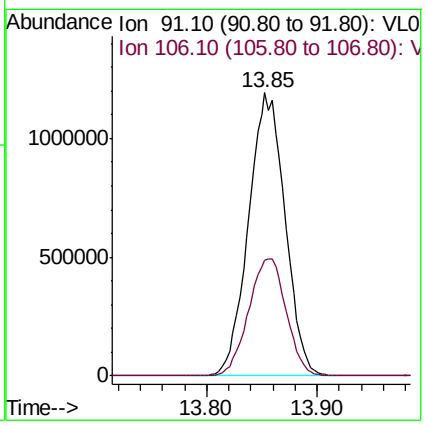


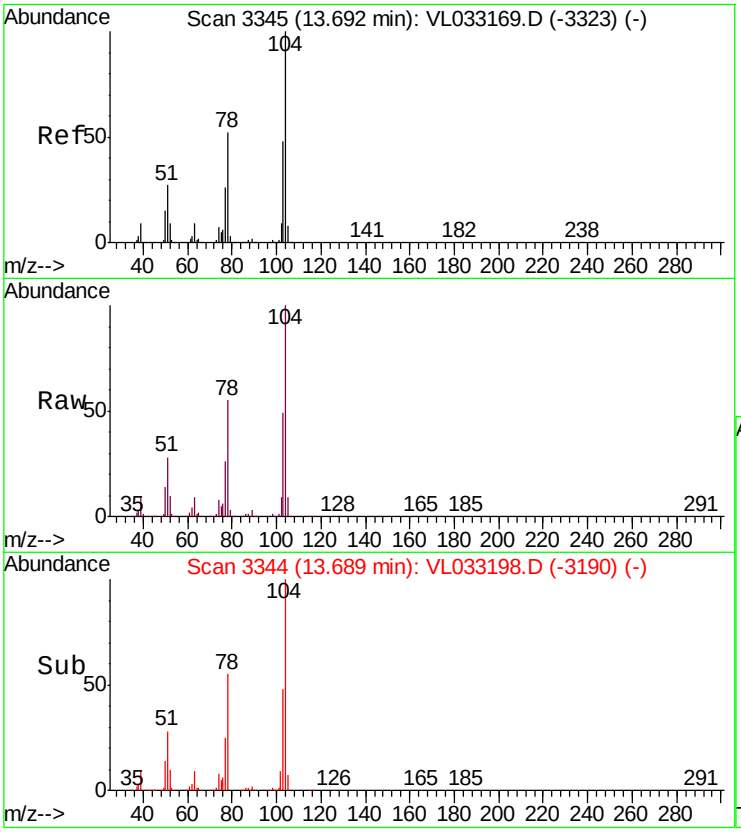


#60
o-Xylene
Concen: 7.352 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 2728251

Ion	Ratio	Lower	Upper
91	100		
106	42.6	21.8	65.3



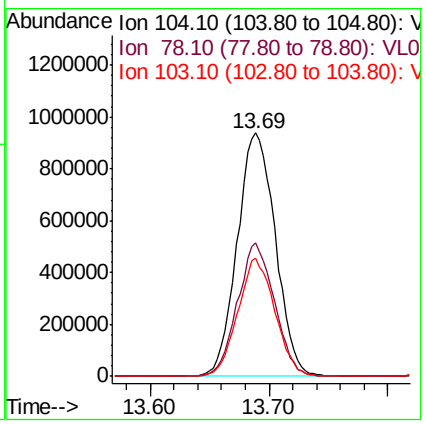


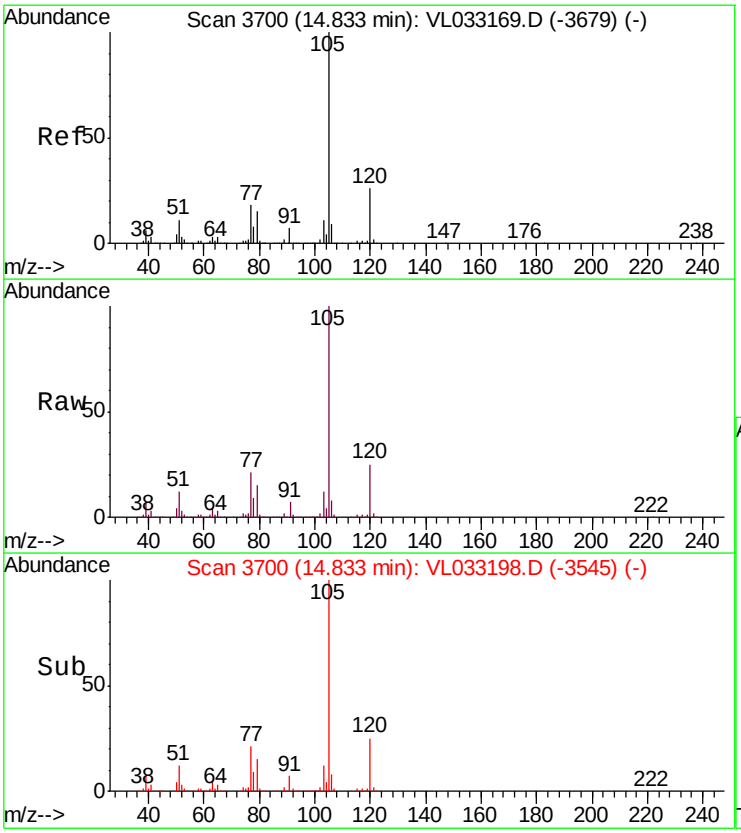
#61
Styrene
Concen: 7.445 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 2083923

Ion	Ratio	Lower	Upper
104	100		
78	52.9	41.9	62.9
103	47.1	37.9	56.9

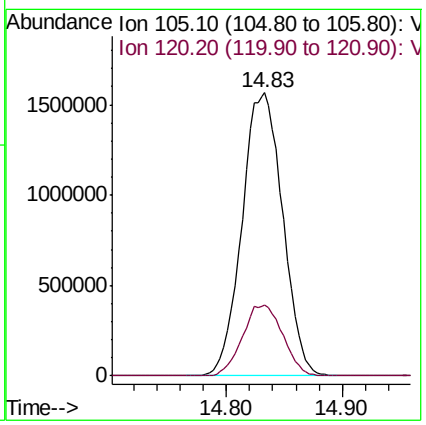


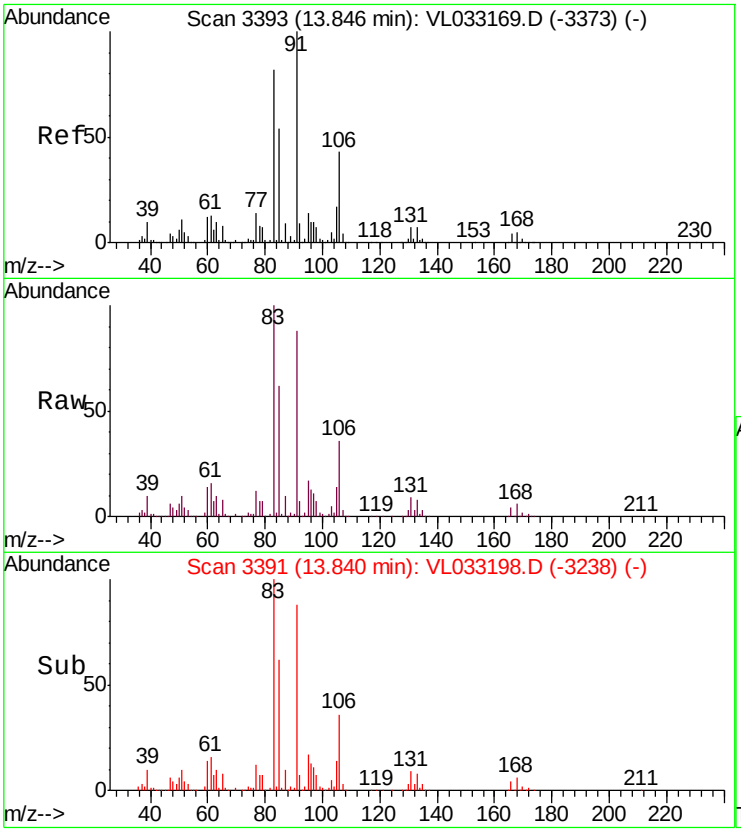


#62
Isopropylbenzene
Concen: 7.278 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:105 Resp: 3809489

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5



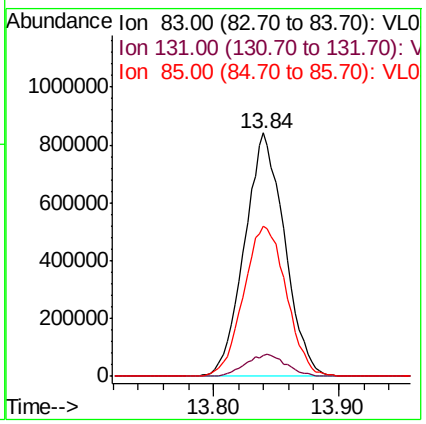


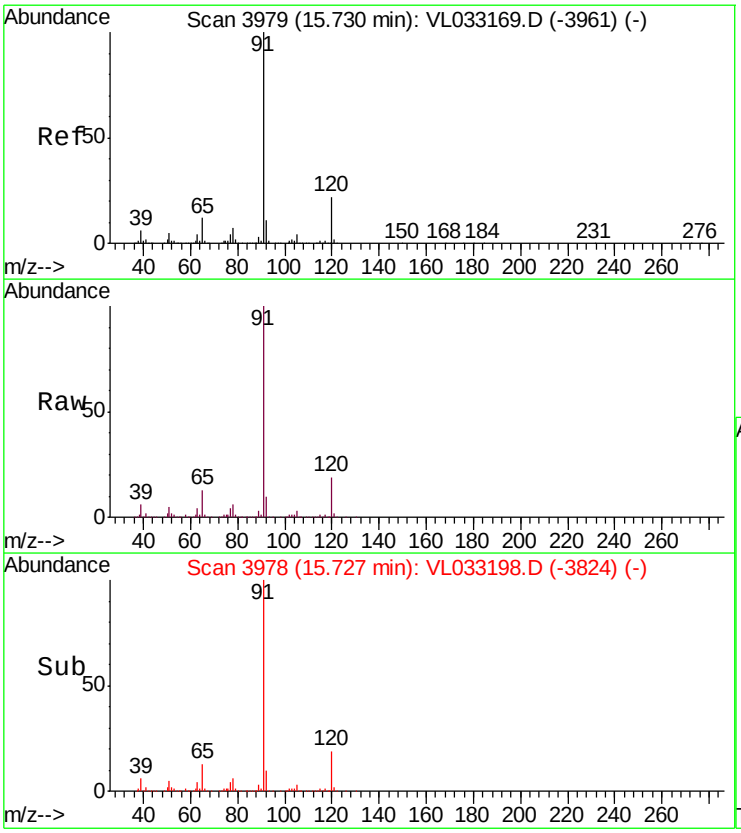
#63
1,1,2,2-Tetrachloroethane
Concen: 6.405 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1867148

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	65.8	32.8	98.3

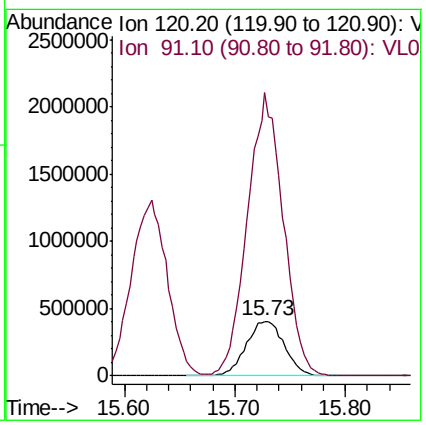


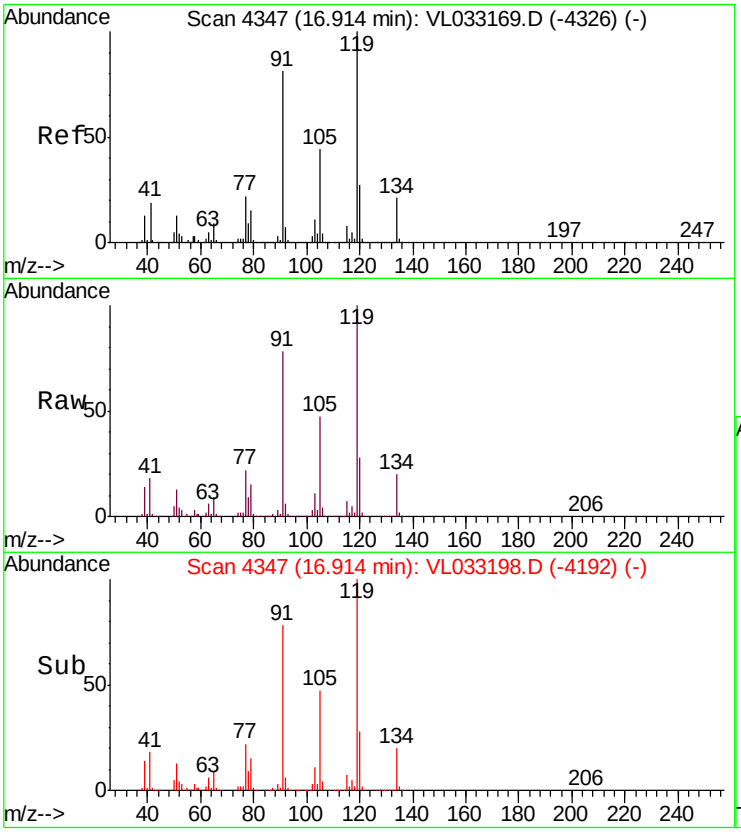


#64
n-propylbenzene
Concen: 7.305 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:120 Resp: 971760

Ion	Ratio	Lower	Upper
120	100		
91	486.4	383.9	575.9



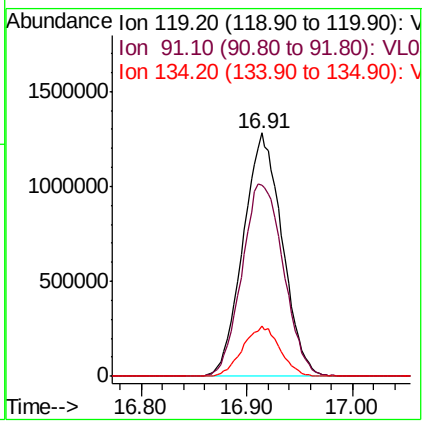


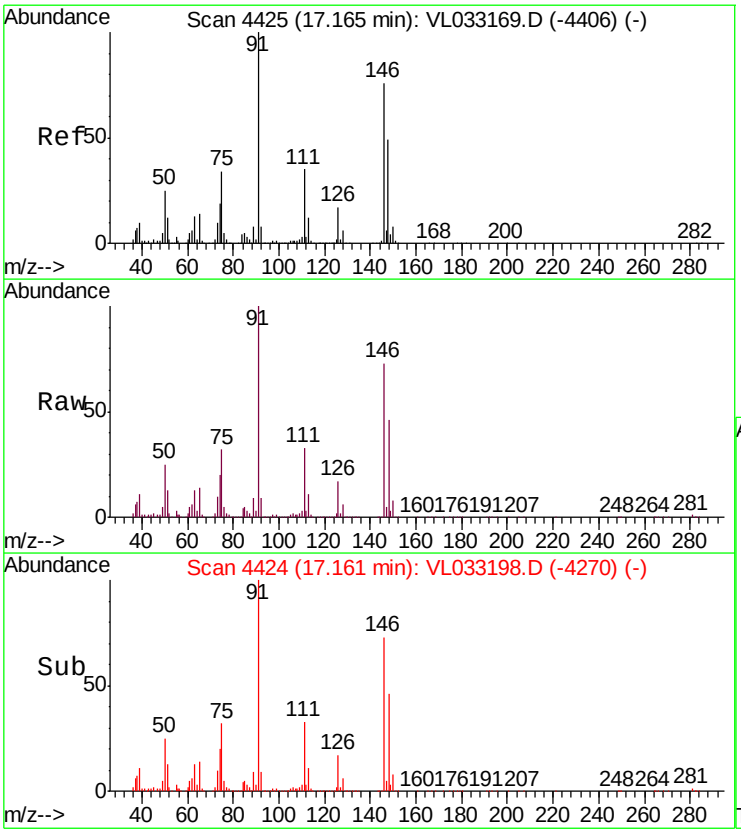
#65
tert-Butylbenzene
Concen: 7.239 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3299658

Ion	Ratio	Lower	Upper
119	100		
91	84.2	65.7	98.5
134	19.6	15.8	23.6

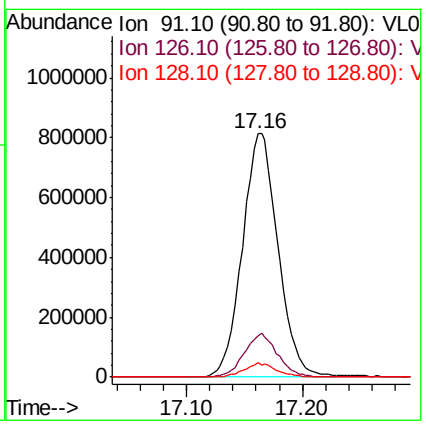


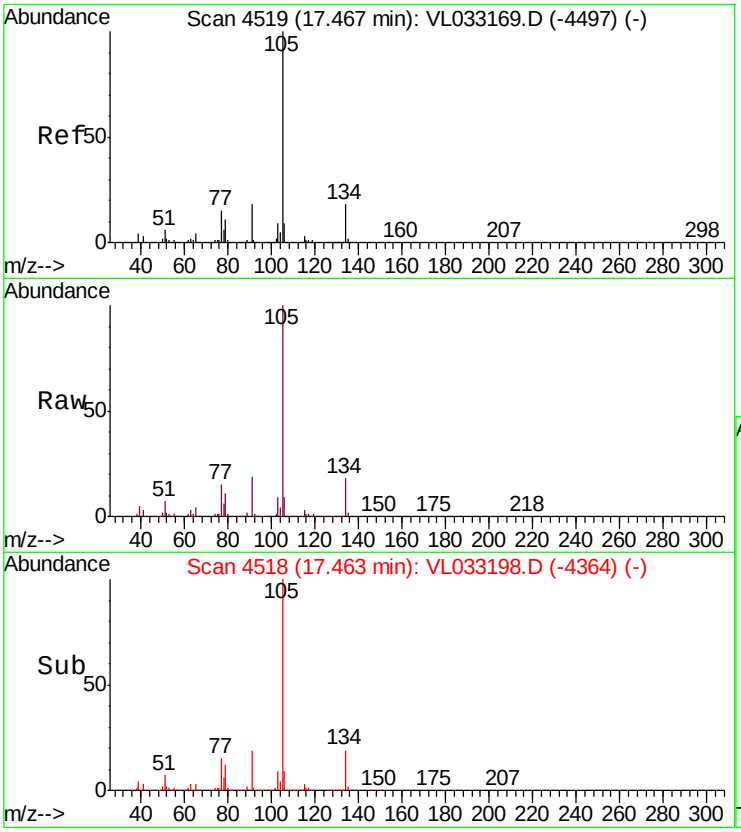


#66
Benzyl Chloride
Concen: 10.744 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 1738631

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.8	20.6
128	5.2	4.5	6.7



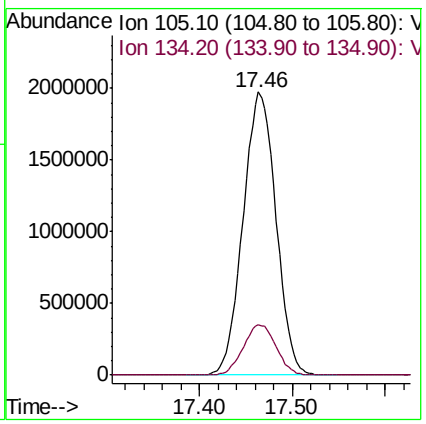


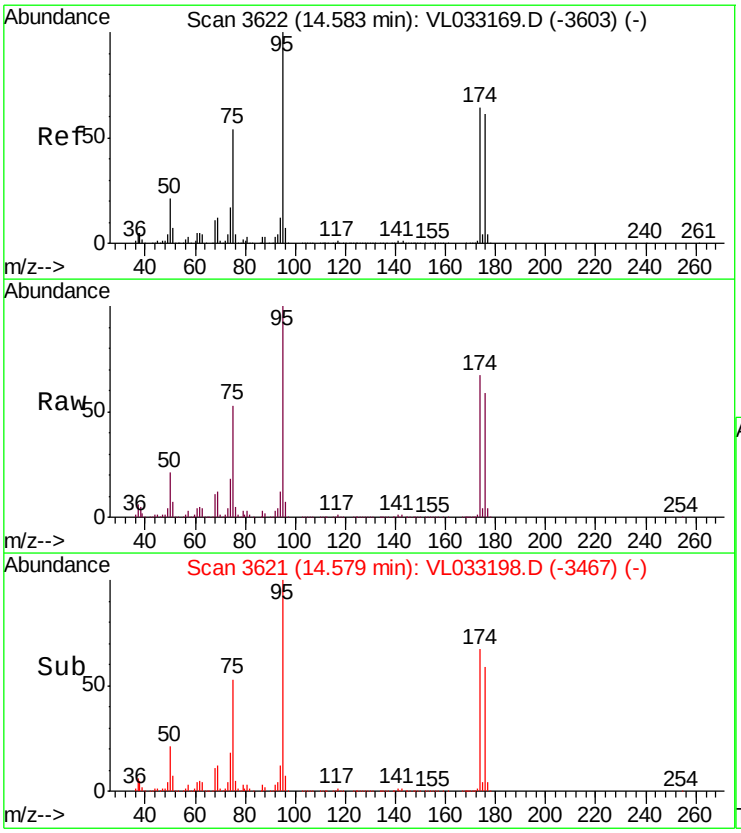
#67
sec-Butylbenzene
Concen: 7.343 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4859185

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	22.0

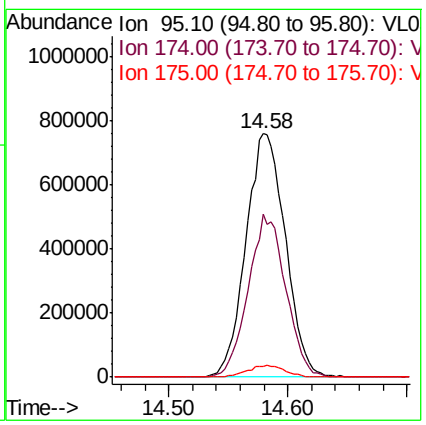


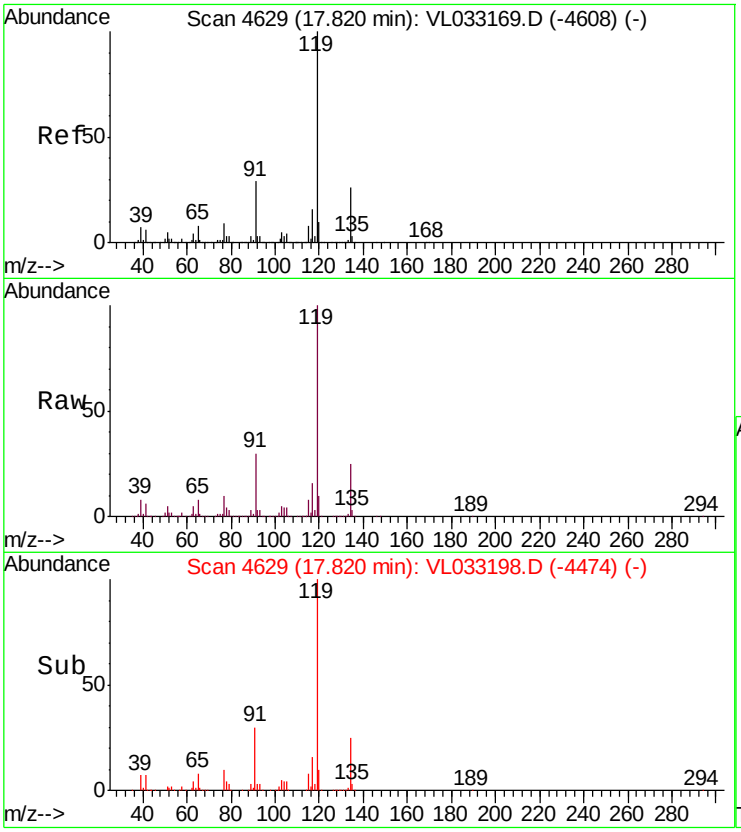


#68
1-Bromo-4-Fluorobenzene
Concen: 8.003 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 95 Resp: 1741404

Ion	Ratio	Lower	Upper
95	100		
174	63.8	51.2	76.8
175	4.6	3.8	5.6



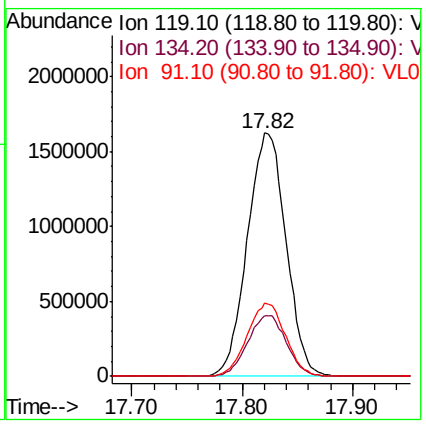


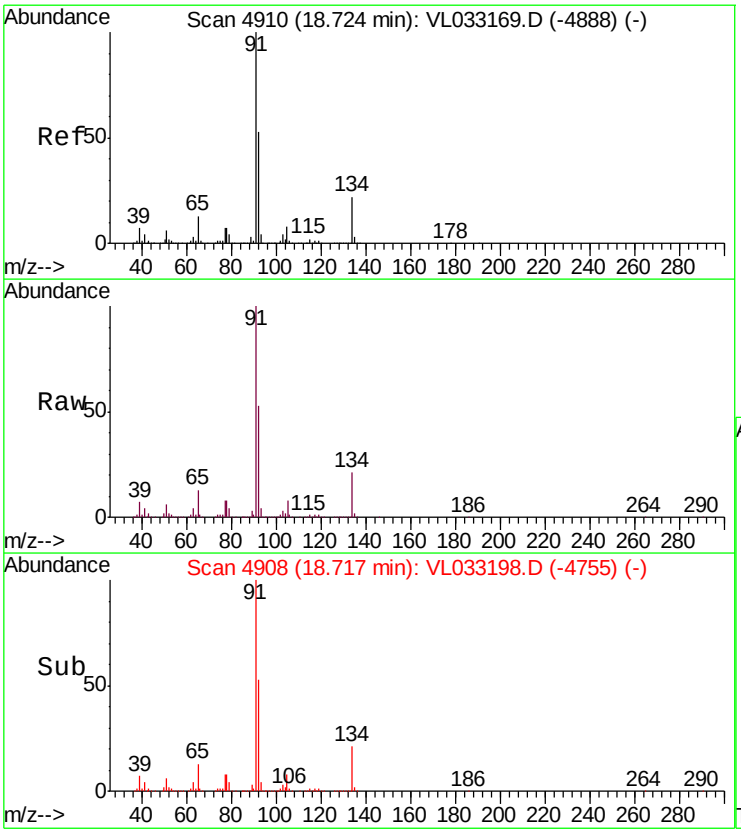
#69
p-Isopropyltoluene
Concen: 7.138 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 3934267

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.9	23.4	35.2

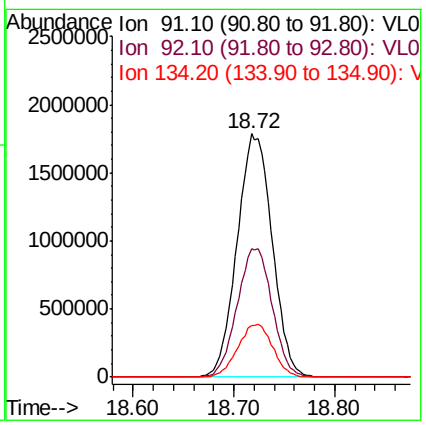


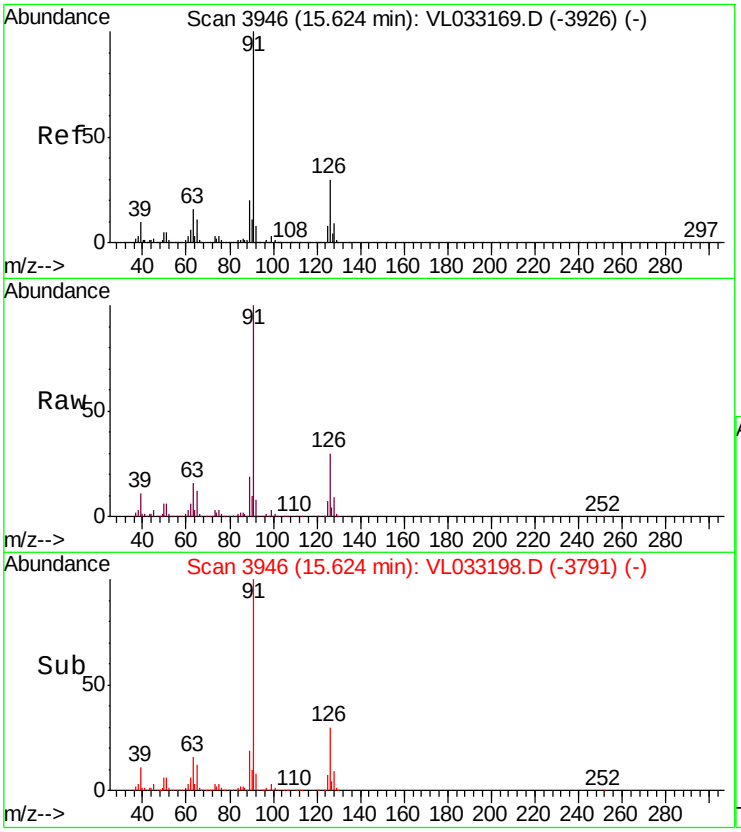


#70
n-Butylbenzene
Concen: 7.224 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion: 91 Resp: 4296106

Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.0	64.4
134	21.8	17.5	26.3



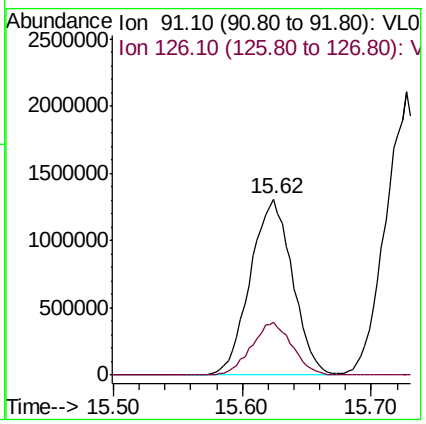


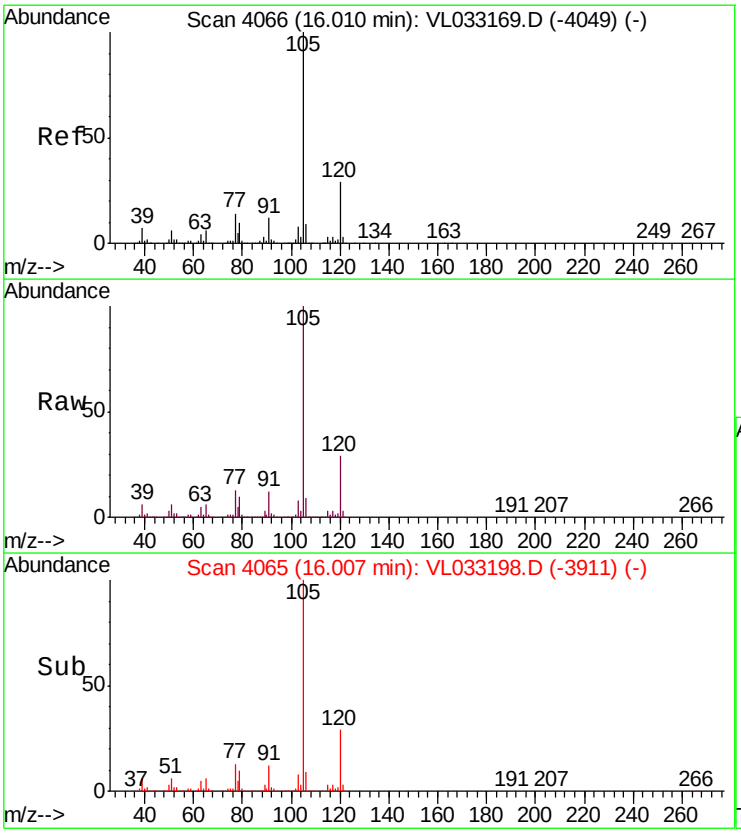
#71
2-Chlorotoluene
Concen: 7.257 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2984593

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.8	47.4

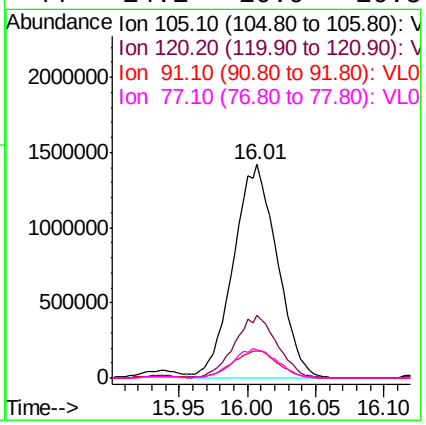


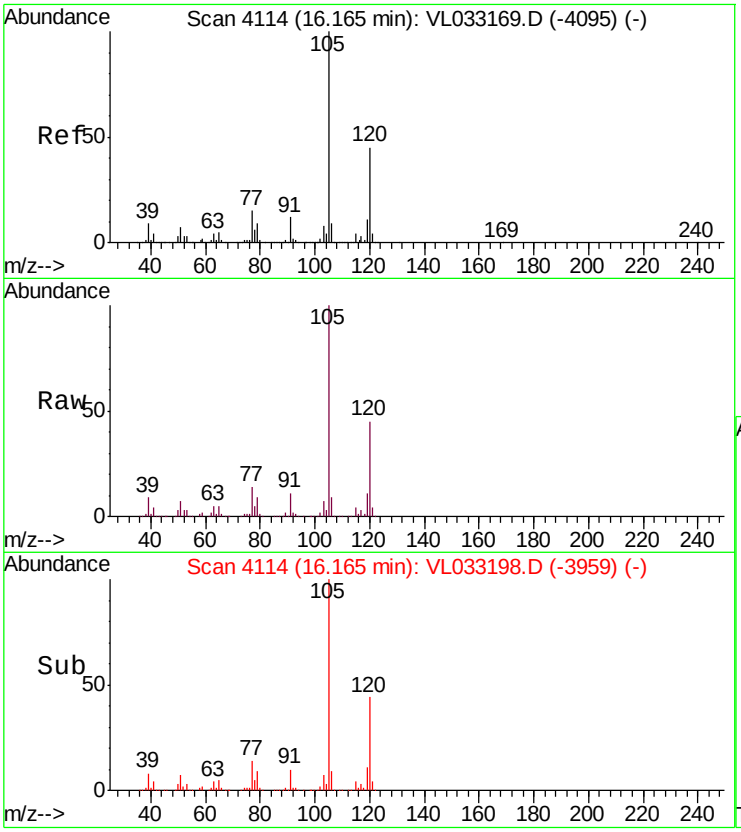


#72
4-Ethyltoluene
Concen: 7.376 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:105 Resp: 3154704

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.1	34.7
91	13.0	9.8	14.6
77	14.1	10.9	16.3



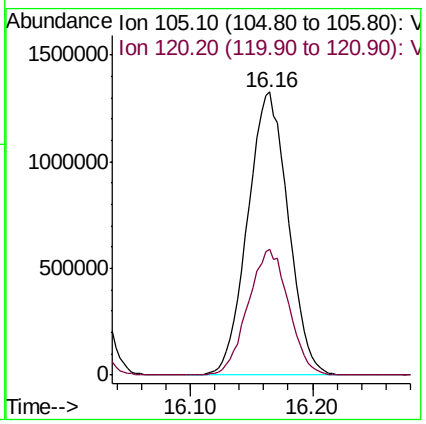


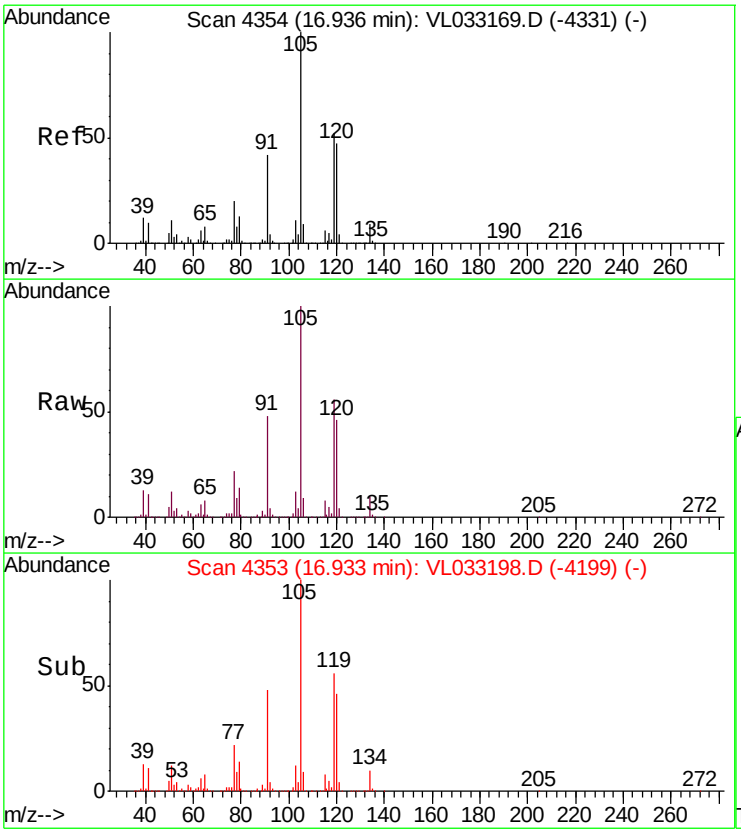
#73
1,3,5-Trimethylbenzene
Concen: 7.432 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3040294

Ion	Ratio	Lower	Upper
105	100		
120	44.5	36.2	54.4

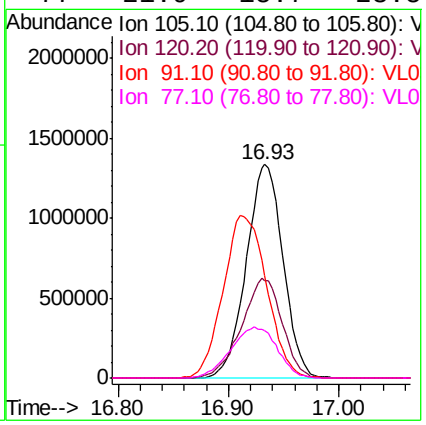


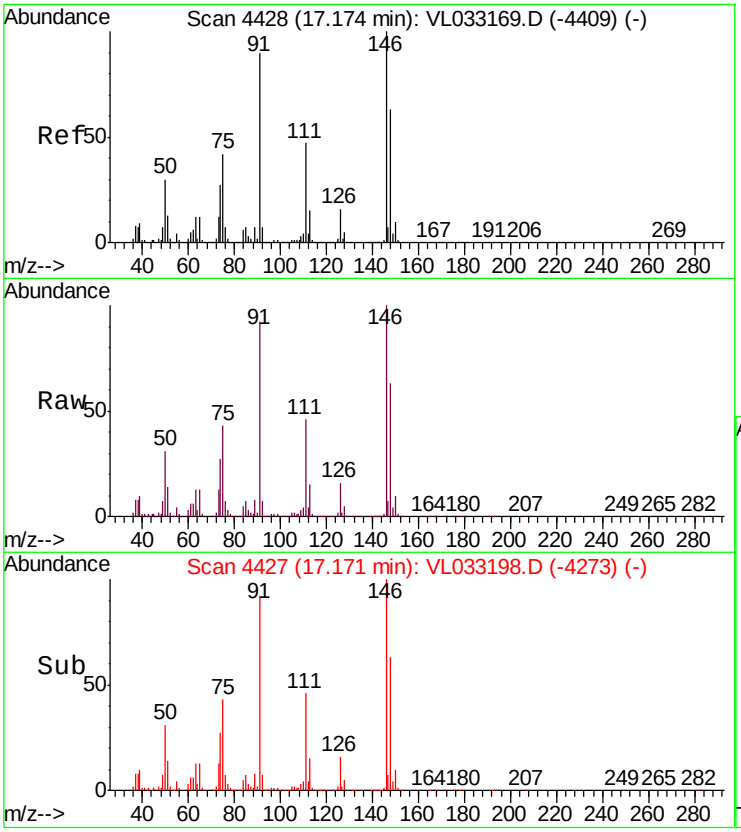


#74
1,2,4-Trimethylbenzene
Concen: 7.271 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:105 Resp: 3086963

Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.9	56.9
91	47.9	34.0	51.0
77	21.9	15.7	23.5



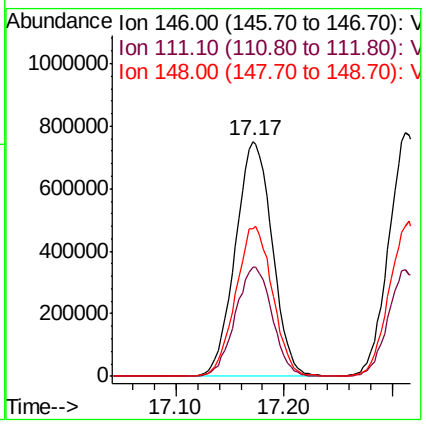


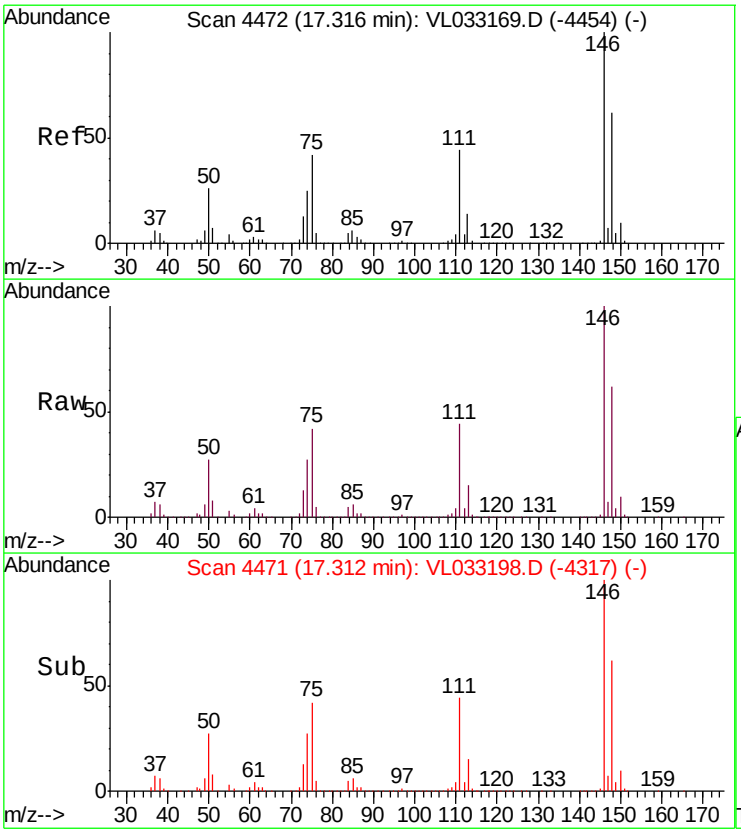
#75
1,3-Dichlorobenzene
Concen: 7.313 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1790200

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.2	69.6
148	63.7	31.8	95.4

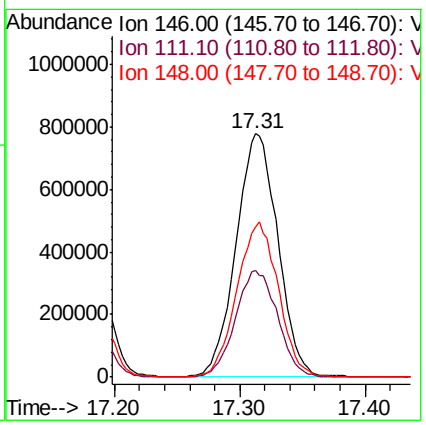


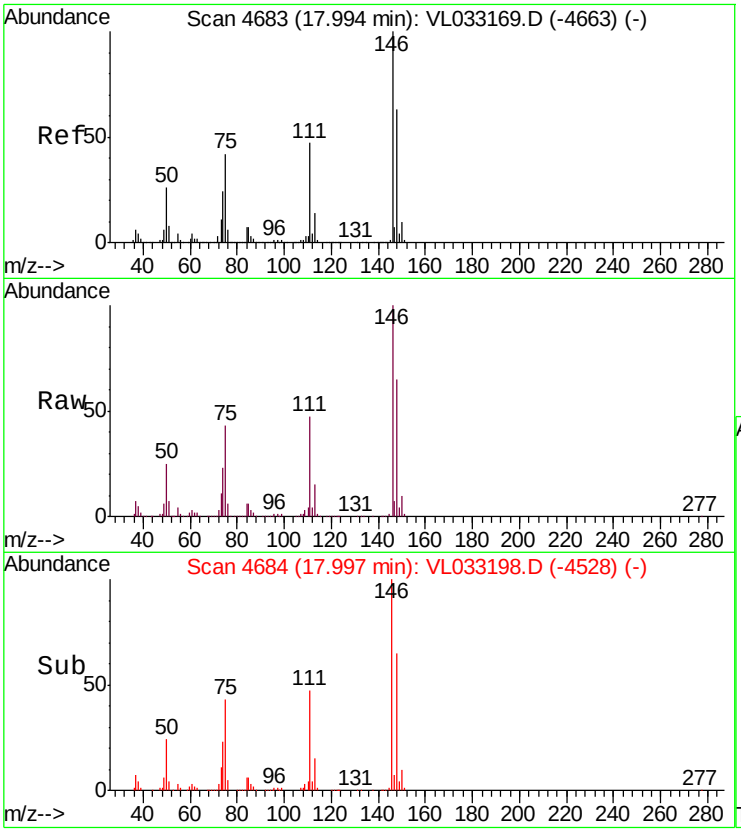


#76
1,4-Dichlorobenzene
Concen: 7.384 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:146 Resp: 1790221

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.4	67.0
148	64.0	31.9	95.9



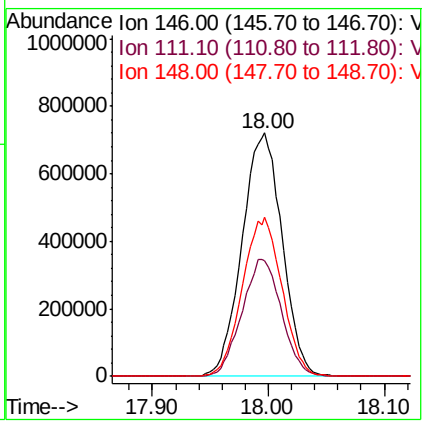


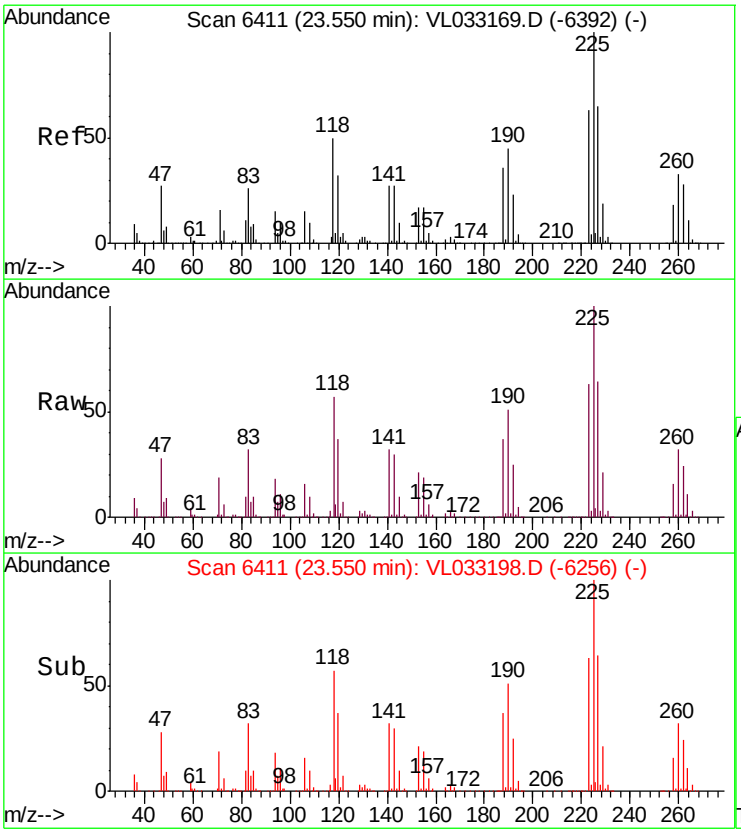
#77
1,2-Dichlorobenzene
Concen: 7.168 ppbv
RT: 18.00 min Scan# 4684
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1733915

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.5	70.6
148	64.5	31.9	95.7

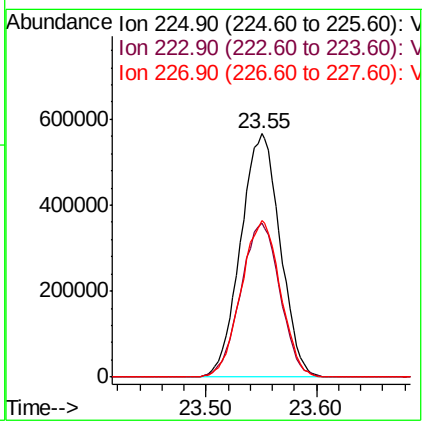


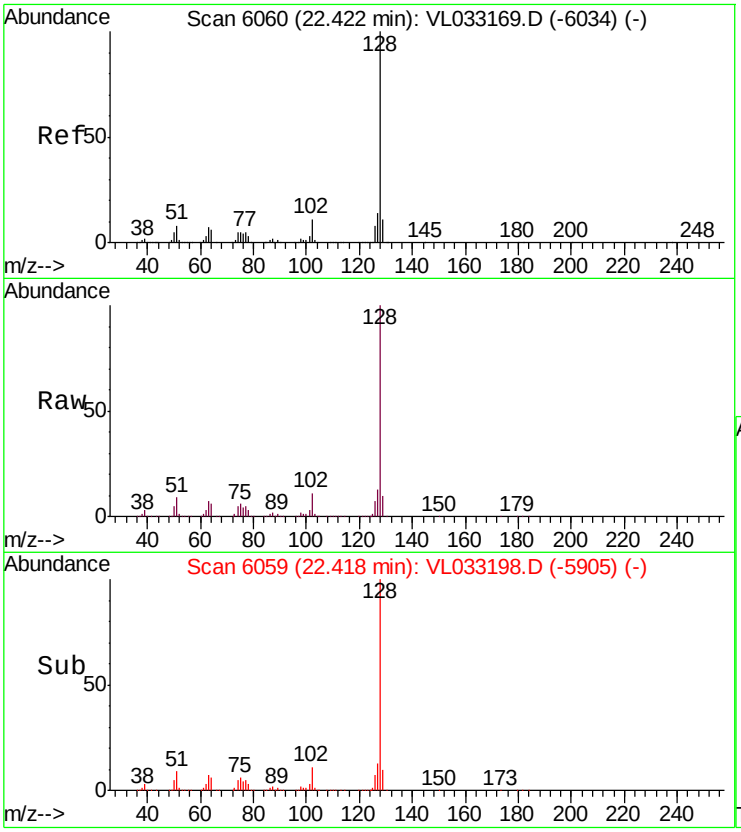


#78
Hexachloro-1,3-Butadiene
Concen: 11.664 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:225 Resp: 1404459

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	64.0	51.4	77.2



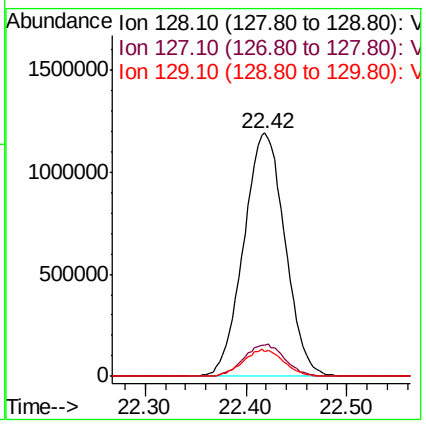


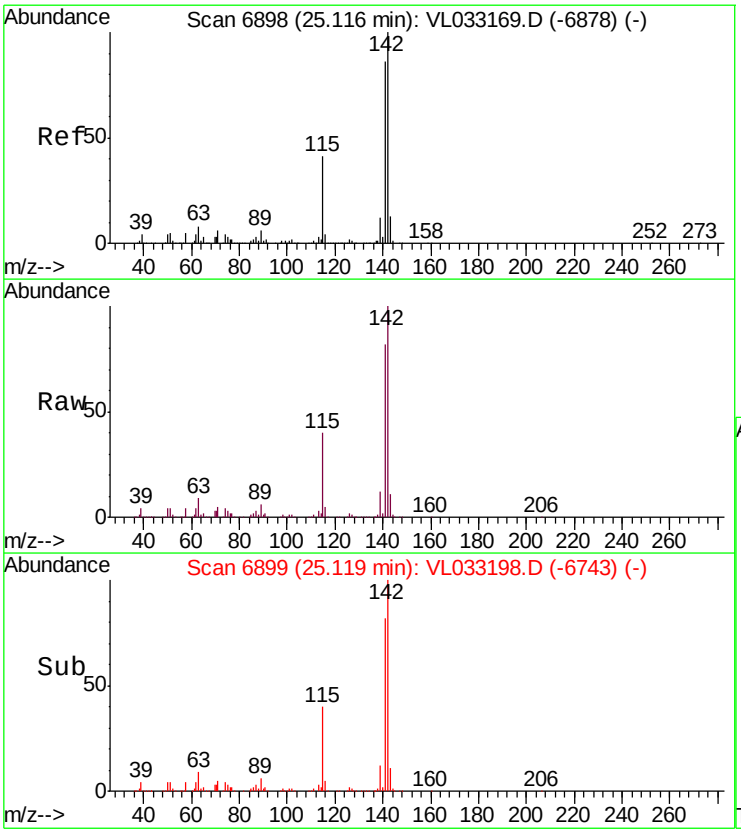
#79
Naphthalene
Concen: 7.418 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3383484

Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	10.4	8.6	12.8

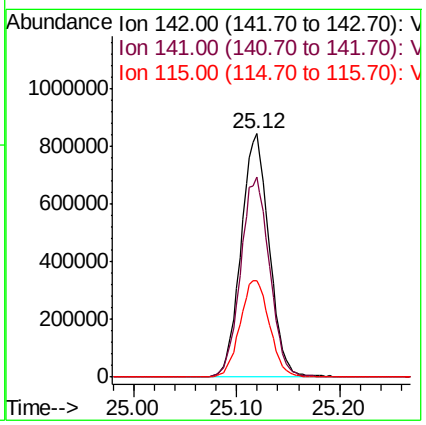


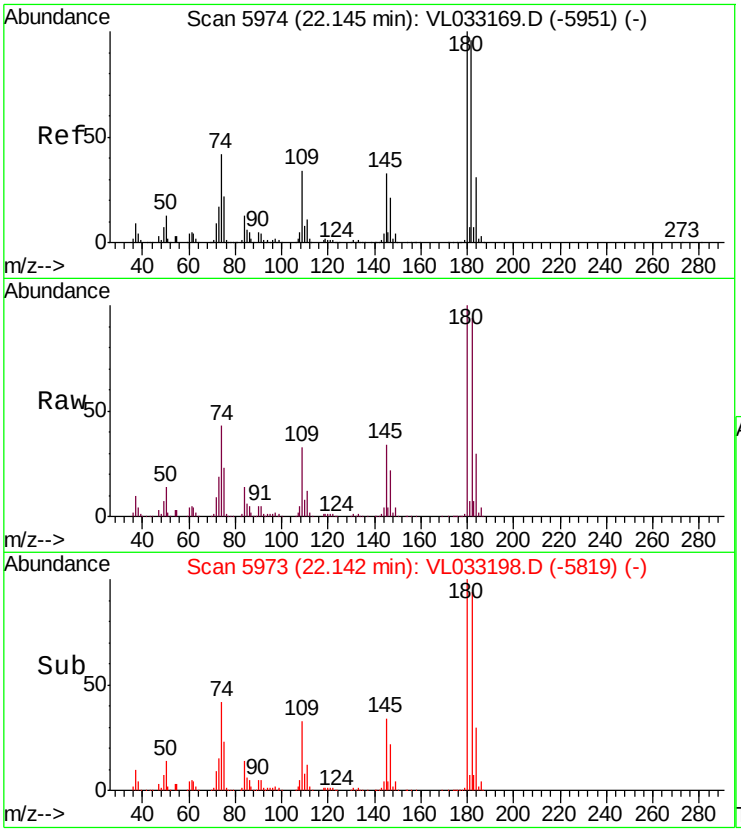


#80
Naphthalene,2-methyl-
Concen: 6.913 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Tgt Ion:142 Resp: 1596690

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.7	101.5
115	41.3	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 7.114 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033198.D
Acq: 13 Feb 2019 22:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1648663

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.6	24.3	36.5