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

Quantitation Report (Not Reviewed)

Data File : VL033297.D
Acq On : 13 Mar 2019 00:14
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 13 07:58:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	843296	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1966794	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2159013	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1603188	9.62	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1265894	7.433	ppbv	100
3) Chlorodifluoromethane	3.01	51	990422	8.854	ppbv	99
4) Chloromethane	3.17	50	529798	8.859	ppbv	98
5) Vinyl Chloride	3.29	62	517334	8.858	ppbv	97
6) Bromomethane	3.51	94	323812	9.076	ppbv	96
7) Chloroethane	3.60	64	198423	9.395	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1265125	8.787	ppbv	100
9) Propene	3.03	41	445448	8.735	ppbv	99
10) Heptane	8.25	43	1104344	9.615	ppbv	99
11) Trichlorofluoromethane	4.00	101	1360570	8.071	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	940120	9.744	ppbv	100
13) Ethanol	3.65	45	97727	6.282	ppbv	98
14) Bromoethene	3.79	108	403515	8.968	ppbv	100
15) Acetone	3.90	43	978591	7.565	ppbv	100
16) 1,3-Butadiene	3.36	39	405638	8.684	ppbv	96
17) tert-Butyl alcohol	4.35	59	171418	9.874	ppbv	100
18) 1,1-Dichloroethene	4.35	96	425459	9.962	ppbv	92
19) Isopropyl Alcohol	4.02	45	589966	7.546	ppbv	99
20) Methylene Chloride	4.41	84	363406	8.449	ppbv	96
21) Allyl Chloride	4.48	41	650174	10.110	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	423466	9.298	ppbv	90
23) Vinyl Acetate	5.15	43	1600033	9.872	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1103095	9.384	ppbv	98
25) Ethyl Acetate	5.77	43	1847879	9.270	ppbv	100
26) Hexane	5.78	57	831256	8.884	ppbv	99
27) Carbon Disulfide	4.62	76	1034616	10.422	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1270759	9.570	ppbv	100
29) Chloroform	5.85	83	1375389	9.662	ppbv	99
30) Cyclohexane	7.25	84	697989	9.622	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	864244	9.636	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1315950	9.488	ppbv	100
34) 2-Butanone	5.33	43	1271062	9.773	ppbv	99
35) Carbon Tetrachloride	7.13	117	1400543	9.746	ppbv	98
36) Benzene	7.00	78	1758148	9.693	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1036380	9.526	ppbv	100
38) Trichloroethene	7.96	130	663445	9.383	ppbv	99
39) 1,2-Dichloropropane	7.73	63	666917	9.770	ppbv	99
40) 1,4-Dioxane	7.95	88	235167	9.154	ppbv	95
41) Tetrahydrofuran	6.15	42	699128	9.682	ppbv	100
42) Bromodichloromethane	7.92	83	1510084	10.083	ppbv	99
43) Methyl Methacrylate	8.13	69	714864	10.111	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL033297.D
Acq On : 13 Mar 2019 00:14
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 13 07:58:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2917638	9.469	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	960480	11.051	ppbv		96
46) cis-1,3-Dichloropropene	8.84	75	1104369	10.840	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	733249	10.060	ppbv		98
48) Dibromochloromethane	10.45	129	1253396	10.488	ppbv		100
49) Bromoform	13.20	173	1083880	11.189	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	1848645	9.960	ppbv		99
51) 2-Hexanone	10.27	43	1415204	9.988	ppbv	#	100
52) Tetrachloroethene	11.37	164	638587	9.604	ppbv		98
53) Toluene	9.95	91	2063439	9.869	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1134243	10.124	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	864388	9.419	ppbv	#	60
57) Chlorobenzene	12.30	112	1487026	9.133	ppbv		99
58) Ethyl Benzene	12.87	91	2807344	9.462	ppbv		97
59) m/p-Xylene	13.13	91	2478877	9.991	ppbv	#	32
60) o-Xylene	13.85	91	2322791	9.738	ppbv		100
61) Styrene	13.69	104	1714329	10.091	ppbv		100
62) Isopropylbenzene	14.83	105	3248872	9.775	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1568842	9.811	ppbv		99
64) n-propylbenzene	15.72	120	822821	10.061	ppbv		97
65) tert-Butylbenzene	16.91	119	2809923	10.016	ppbv		100
66) Benzyl Chloride	17.16	91	1388460	12.777	ppbv		99
67) sec-Butylbenzene	17.46	105	4032329	10.098	ppbv		100
69) p-Isopropyltoluene	17.82	119	3269982	10.137	ppbv		100
70) n-Butylbenzene	18.72	91	3451033	9.963	ppbv		100
71) 2-Chlorotoluene	15.62	91	2524856	10.078	ppbv		100
72) 4-Ethyltoluene	16.00	105	2667896	10.354	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2543049	10.474	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	2571850	10.401	ppbv		99
75) 1,3-Dichlorobenzene	17.17	146	1475746	9.958	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1488868	10.159	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1422988	9.645	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1148094	9.341	ppbv		99
79) Naphthalene	22.42	128	2801931	10.467	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1624987	22.156	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1341897	9.522	ppbv		100

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

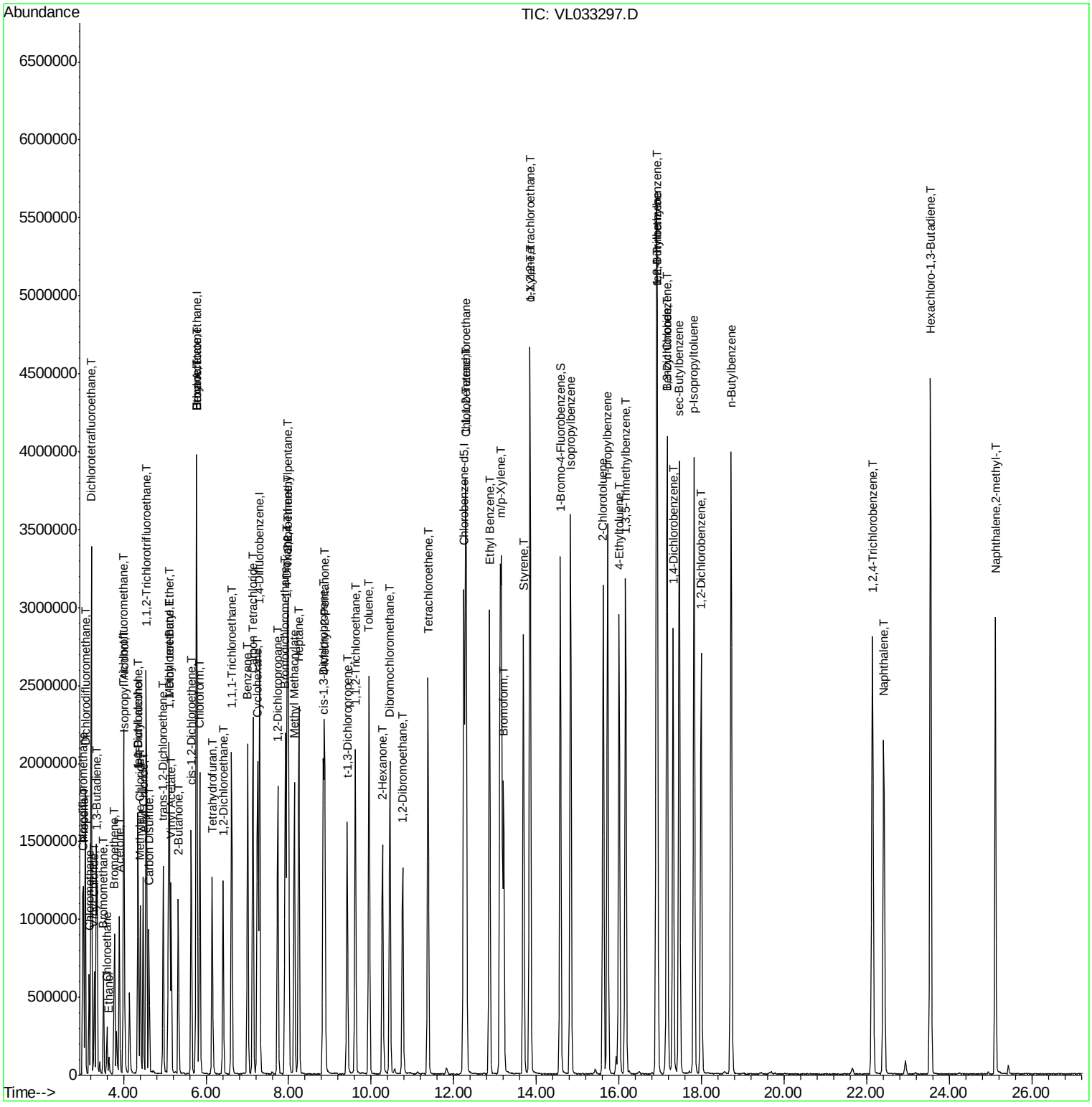
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

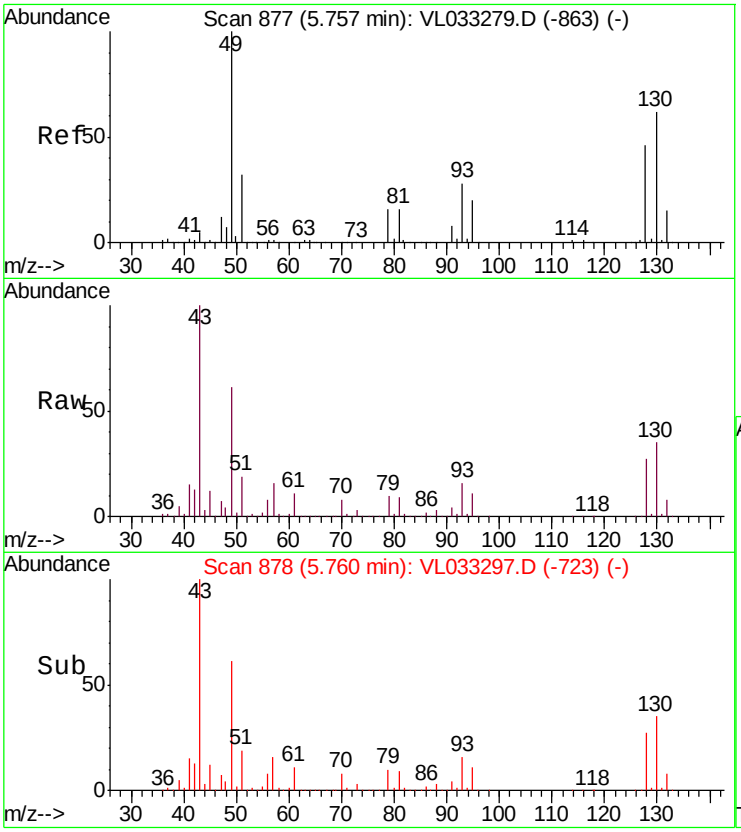
Quantitation Report (Not Reviewed)

Data File : VL033297.D
Acq On : 13 Mar 2019 00:14
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Mar 13 07:58:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration



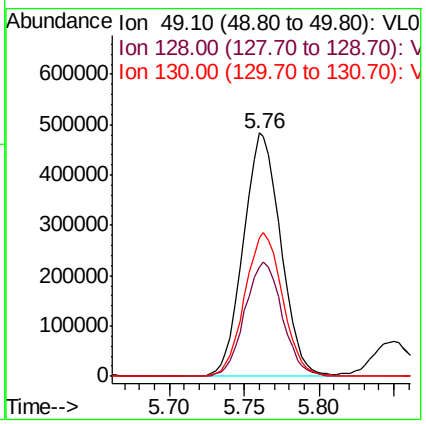


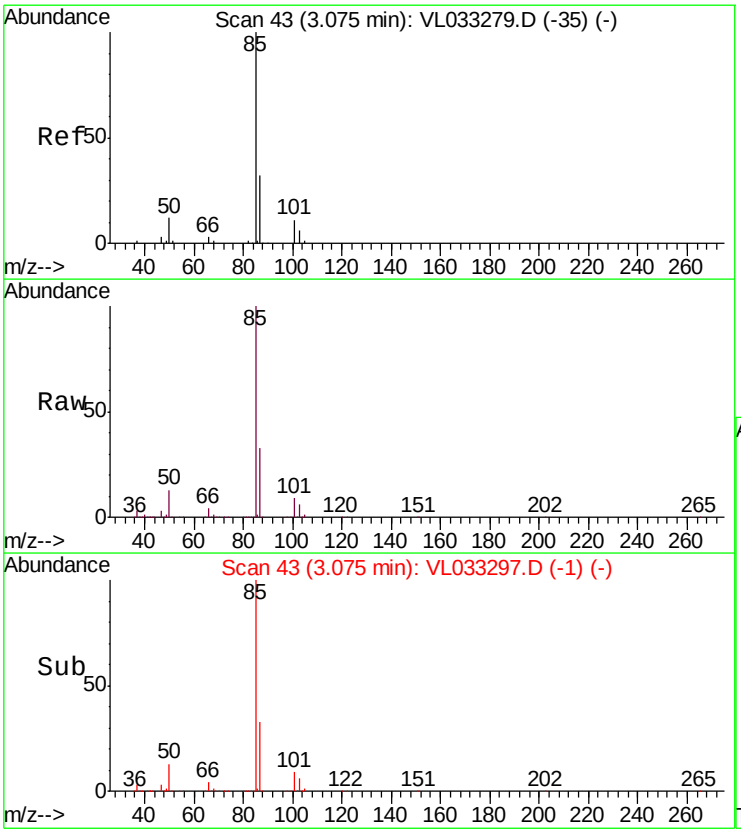
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 843296

Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.3	69.9
130	59.8	30.0	90.1

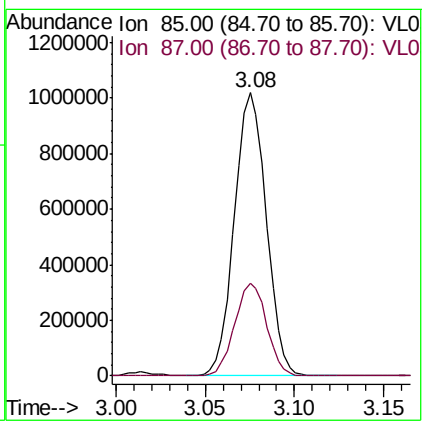


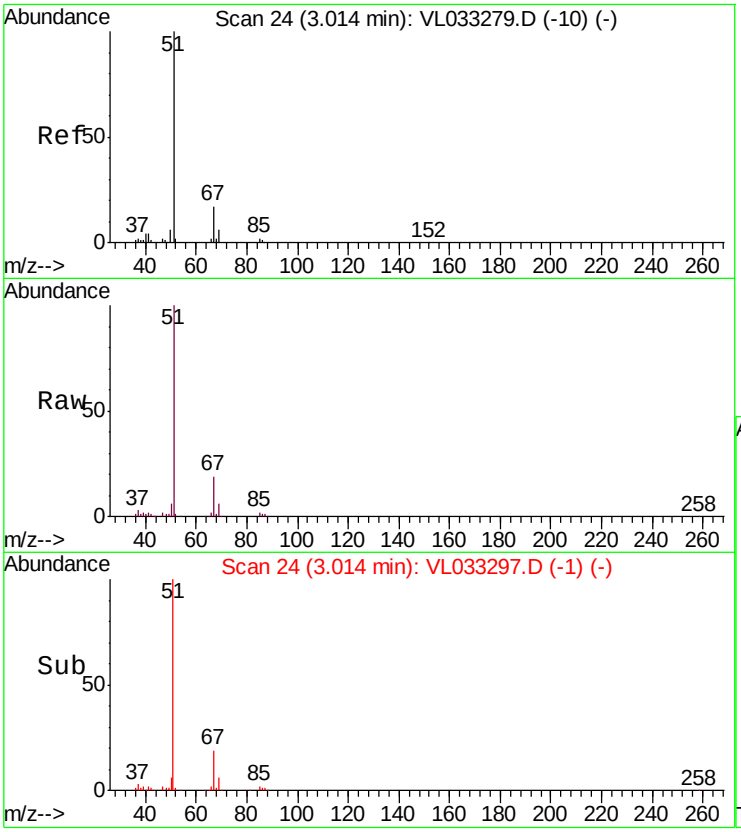


#2
Dichlorodifluoromethane
Concen: 7.433 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 85 Resp: 1265894

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.4	39.6



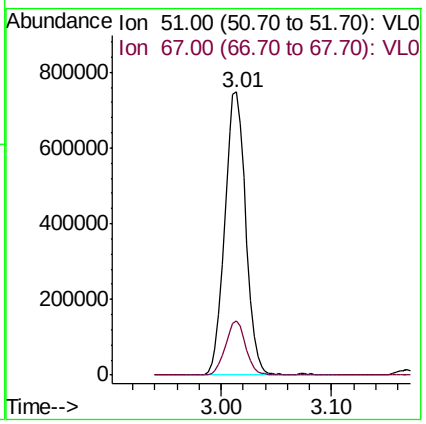


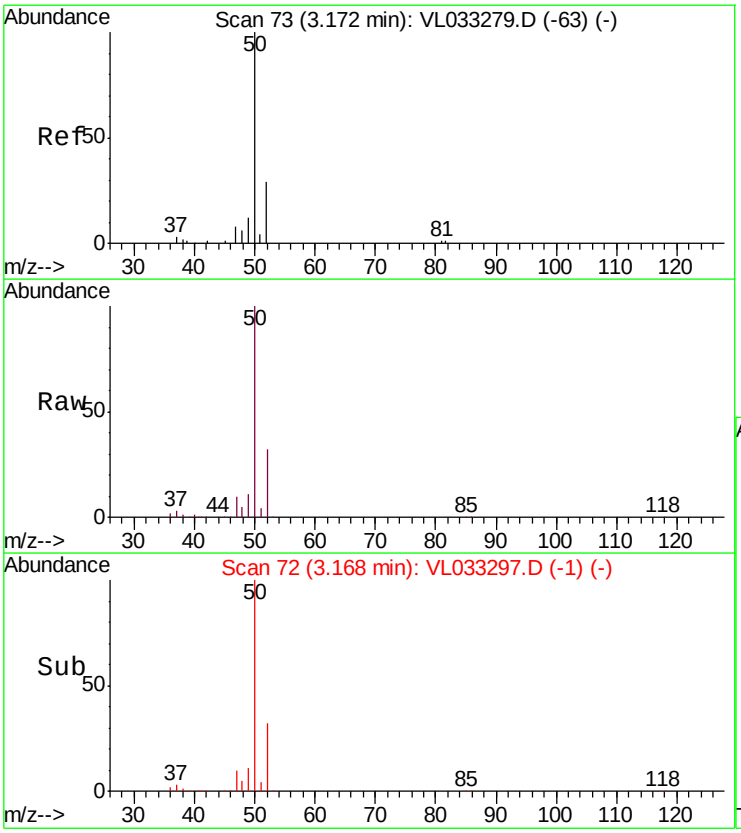
#3
Chlorodifluoromethane
Concen: 8.854 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 990422

Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.4

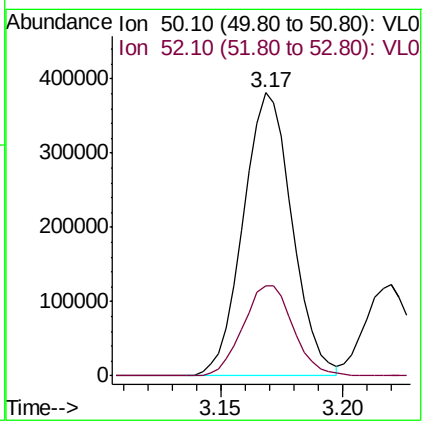


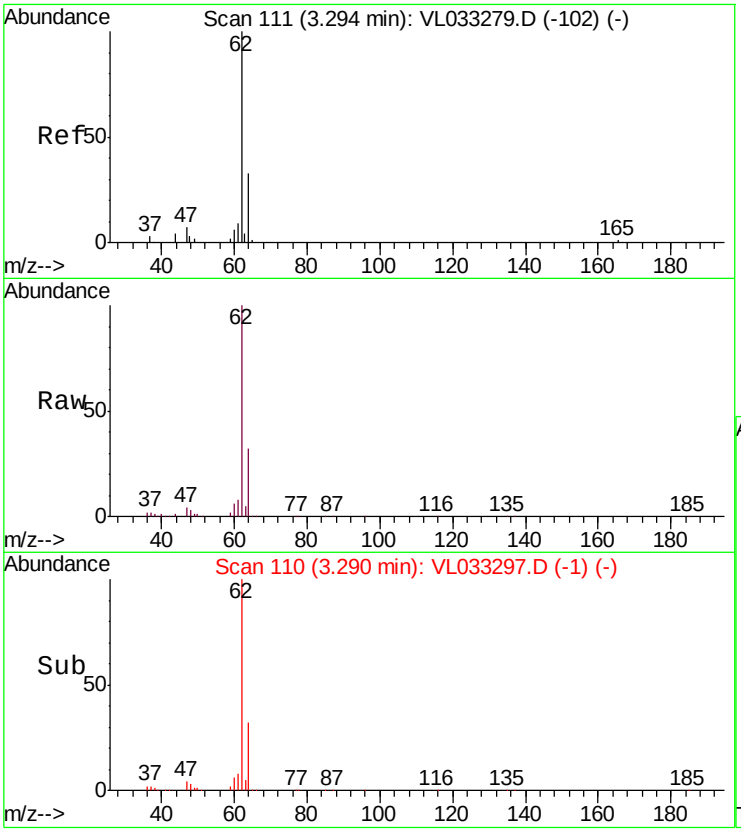


#4
Chloromethane
Concen: 8.859 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 50 Resp: 529798

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.6	39.8



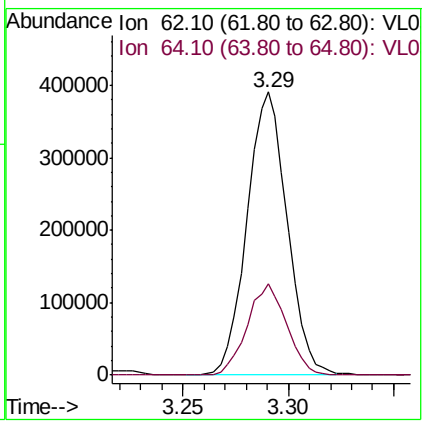


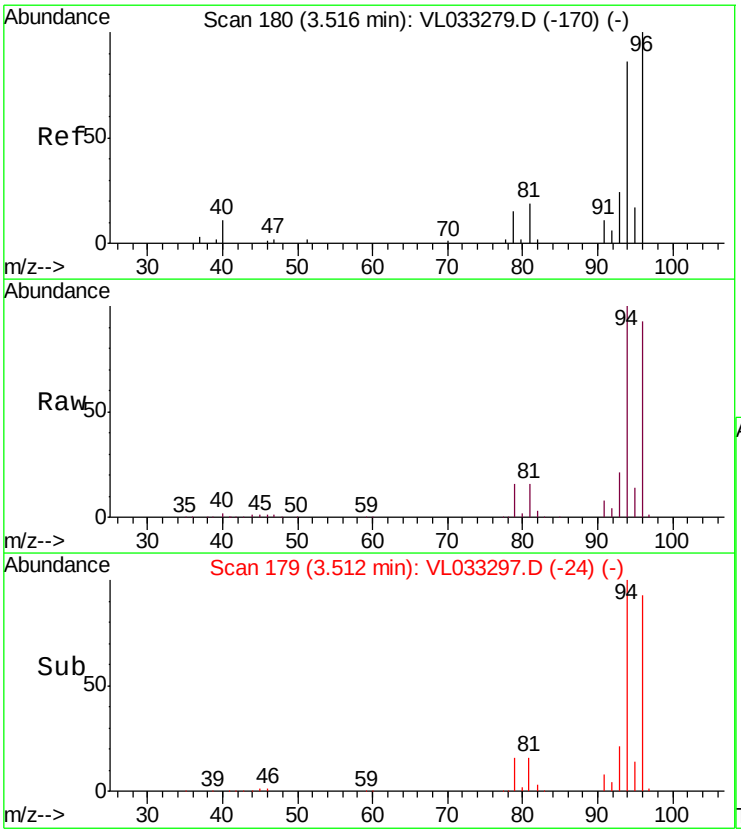
#5
Vinyl Chloride
Concen: 8.858 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 517334

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.5	36.7

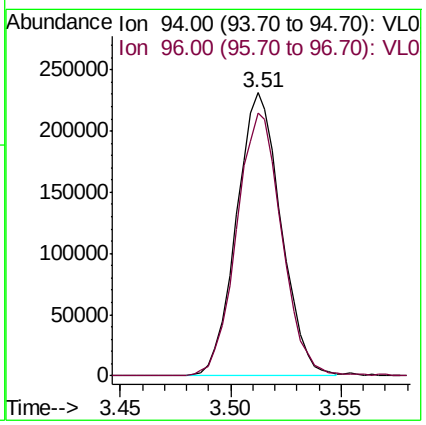


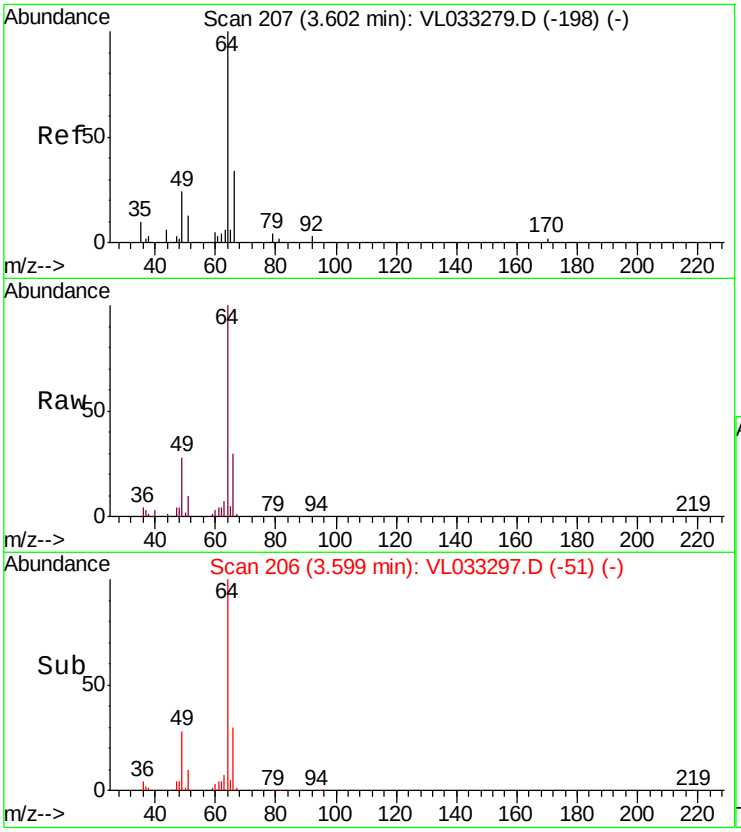


#6
Bromomethane
Concen: 9.076 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 94 Resp: 323812

Ion	Ratio	Lower	Upper
94	100		
96	92.6	71.3	106.9



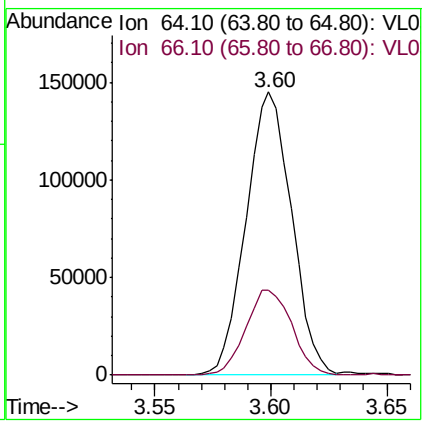


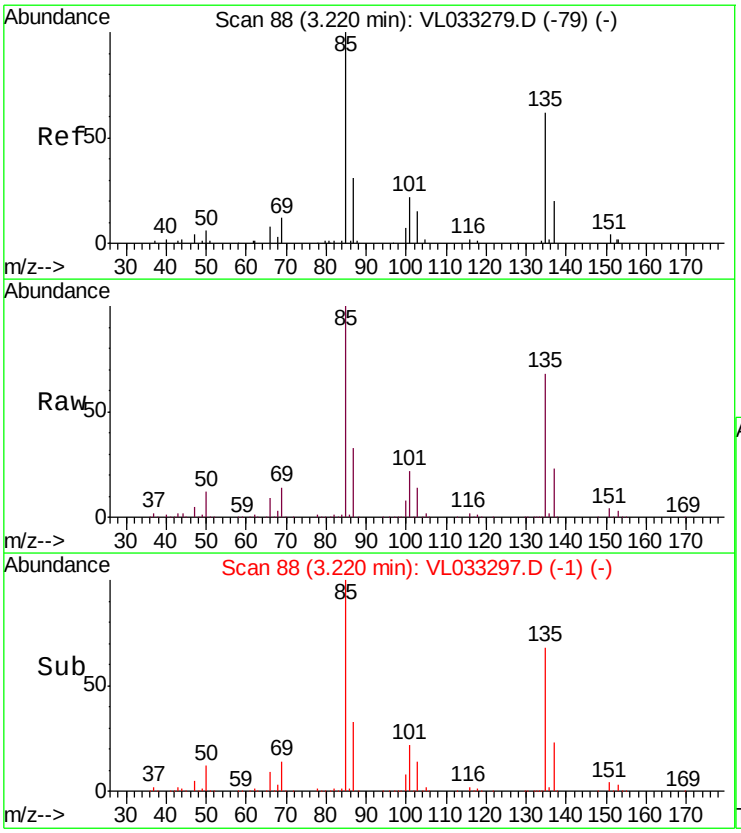
#7
Chloroethane
Concen: 9.395 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 64 Resp: 198423

Ion	Ratio	Lower	Upper
64	100		
66	30.1	26.2	39.2

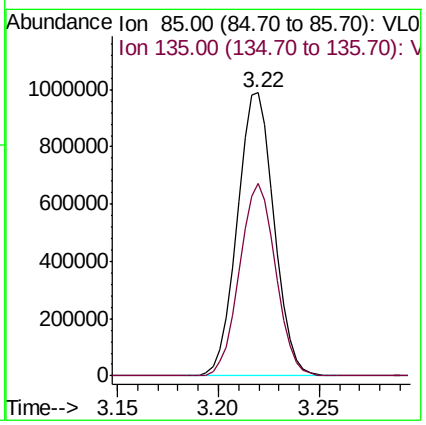


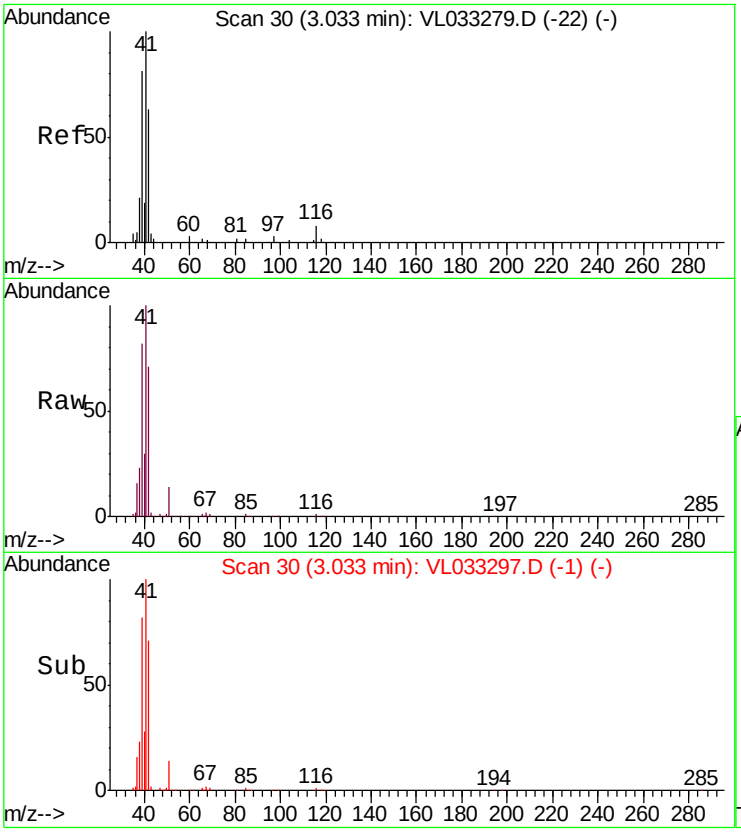


#8
Dichlorotetrafluoroethane
Concen: 8.787 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 85 Resp: 1265125

Ion	Ratio	Lower	Upper
85	100		
135	67.1	53.4	80.2



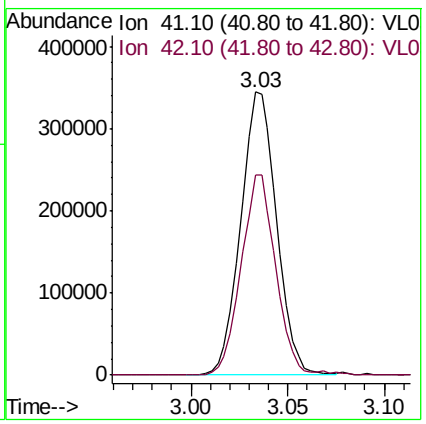


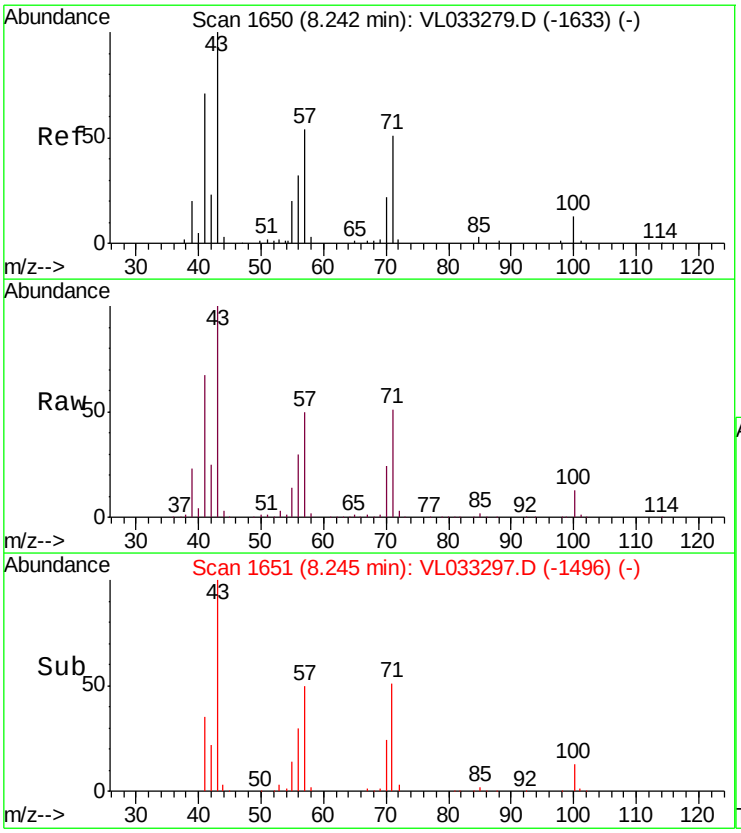
#9
Propene
Concen: 8.735 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 41 Resp: 445448

Ion	Ratio	Lower	Upper
41	100		
42	69.0	54.6	82.0

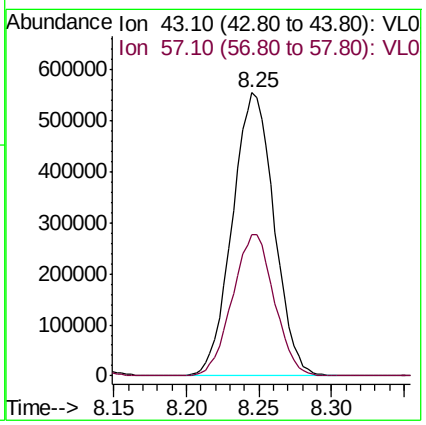


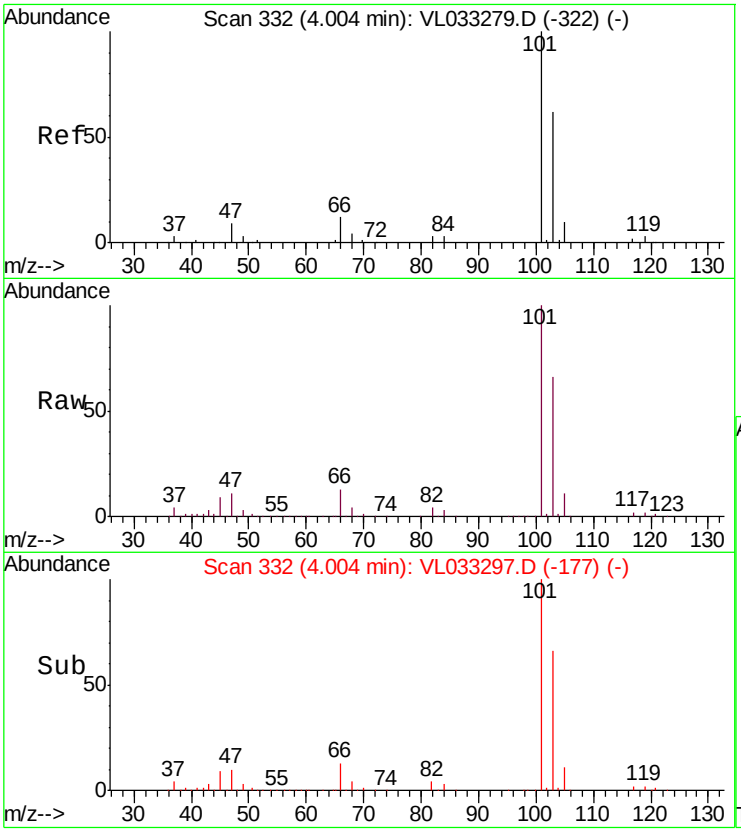


#10
Heptane
Concen: 9.615 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 43 Resp: 1104344

Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.8	59.8



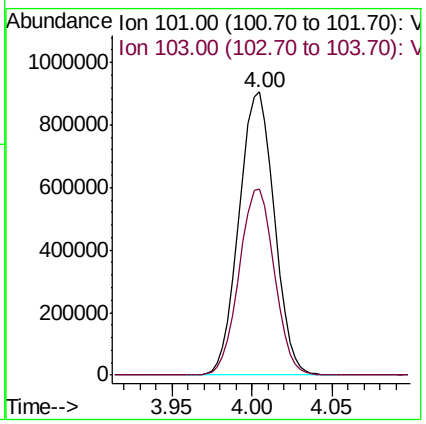


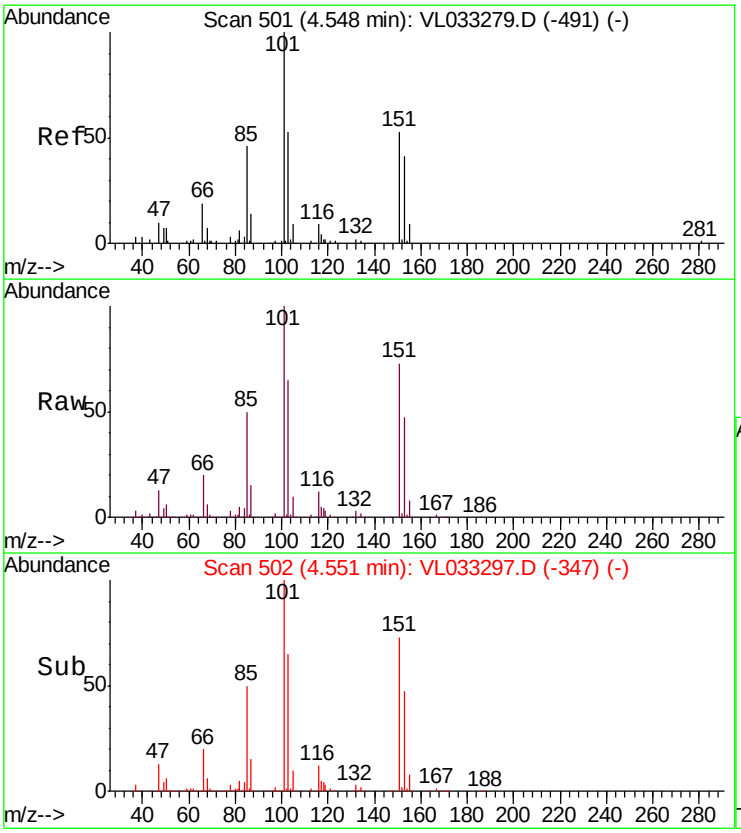
#11
Trichlorofluoromethane
Concen: 8.071 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:101 Resp: 1360570

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.8

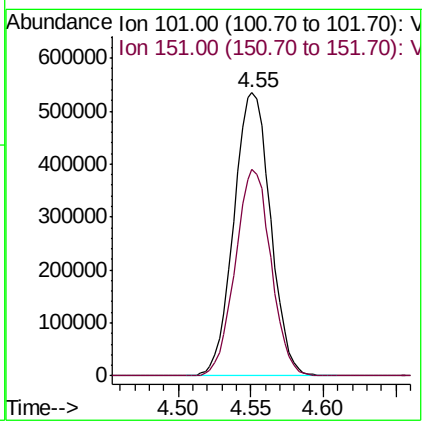


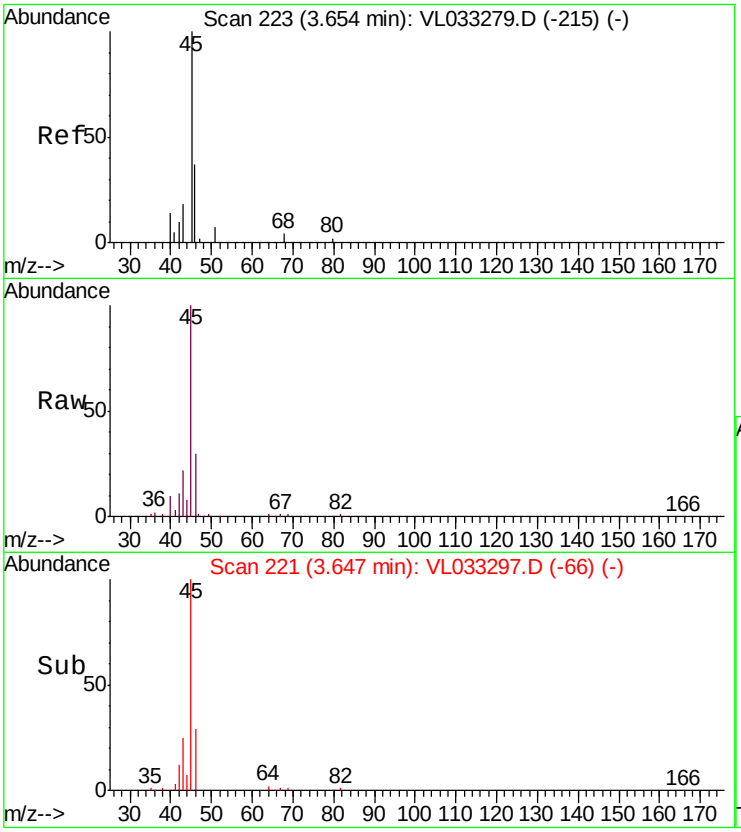


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.744 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:101 Resp: 940120

Ion	Ratio	Lower	Upper
101	100		
151	71.2	56.9	85.3



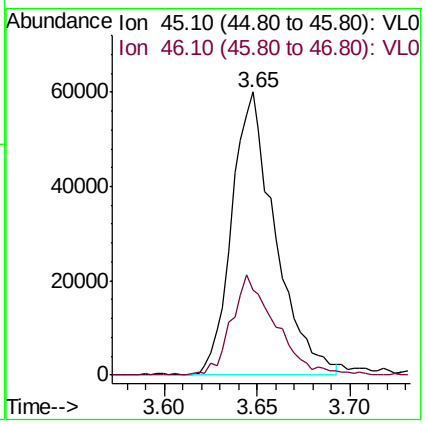


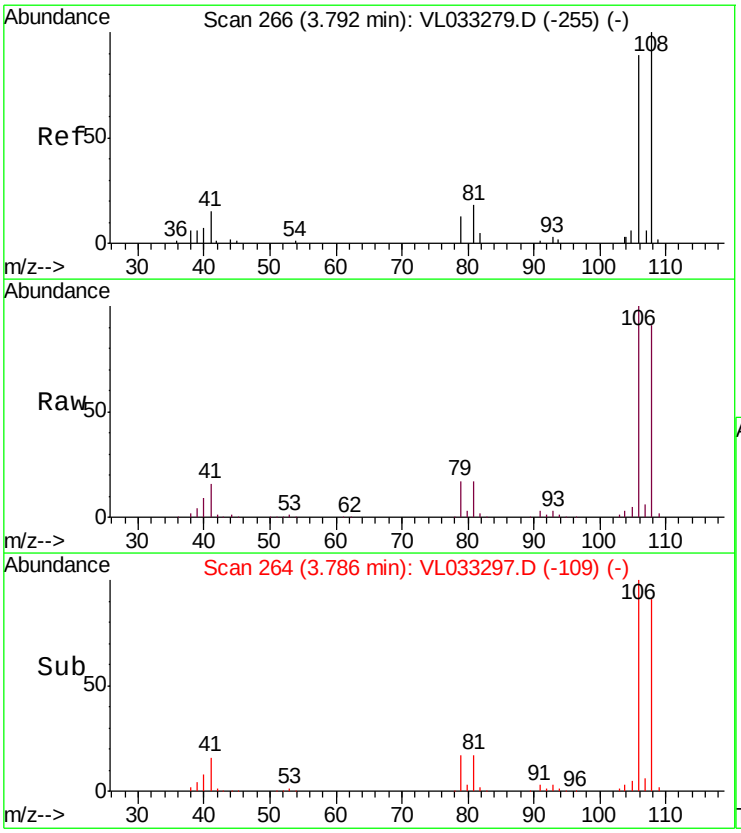
#13
Ethanol
Concen: 6.282 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 97727

Ion	Ratio	Lower	Upper
45	100		
46	35.9	13.9	55.7

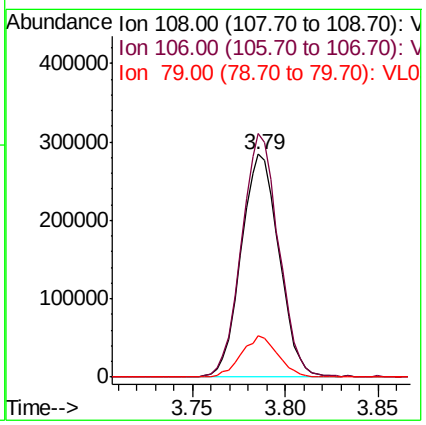


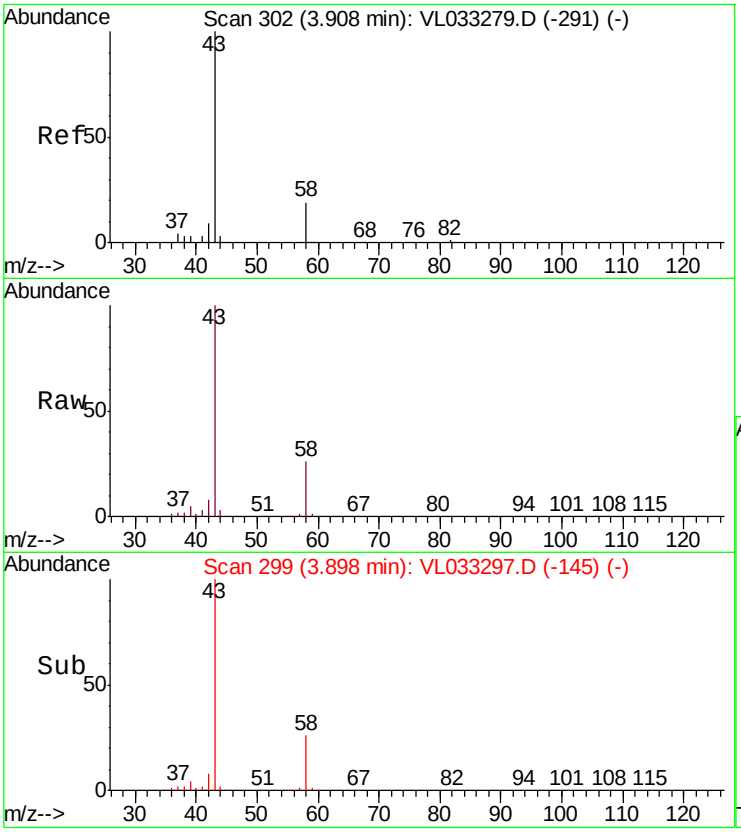


#14
Bromoethene
Concen: 8.968 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:108 Resp: 403515

Ion	Ratio	Lower	Upper
108	100		
106	107.6	85.9	128.9
79	18.0	14.9	22.3



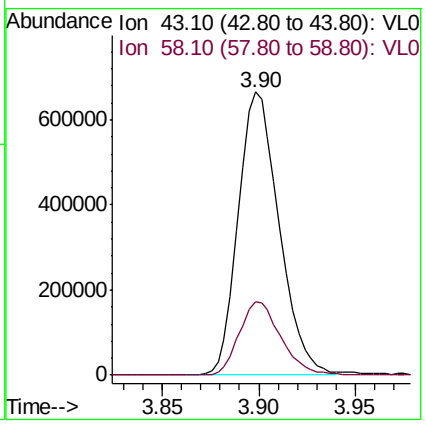


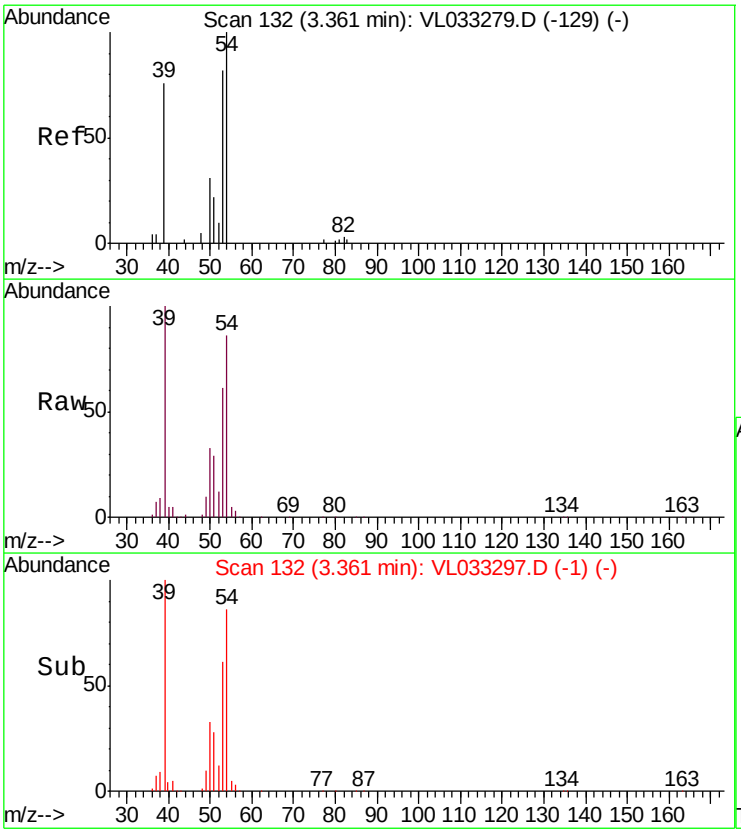
#15
Acetone
Concen: 7.565 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 978591

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.1	31.7

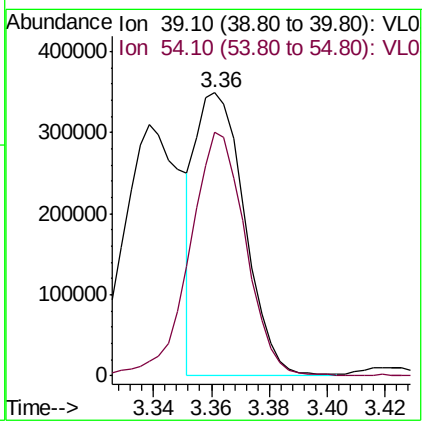


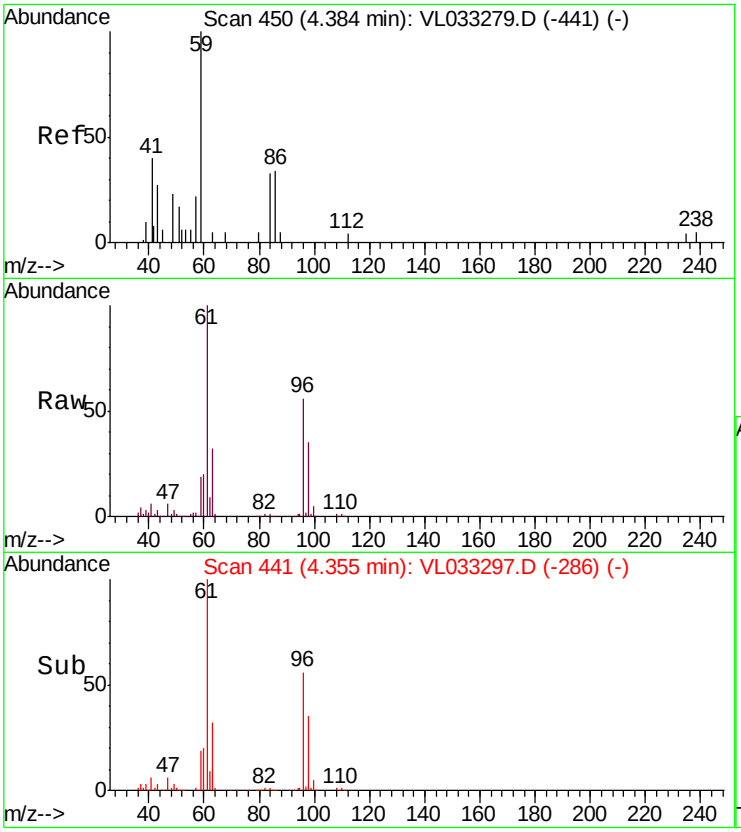


#16
1,3-Butadiene
Concen: 8.684 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 39 Resp: 405638

Ion	Ratio	Lower	Upper
39	100		
54	99.7	76.6	114.8



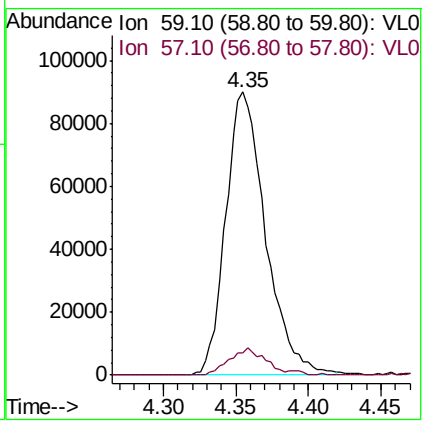


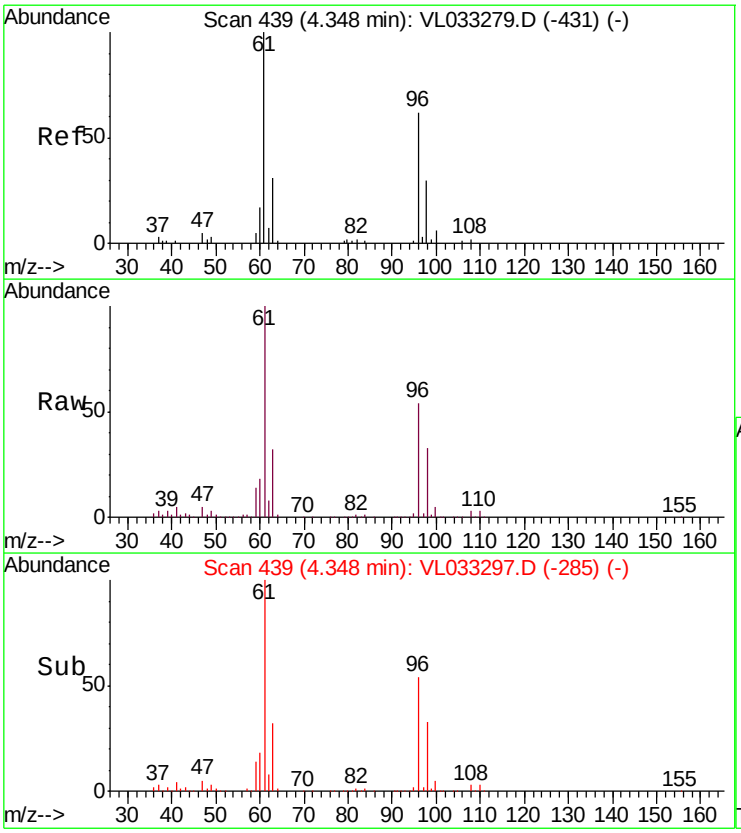
#17
tert-Butyl alcohol
Concen: 9.874 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 171418

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.5	11.3

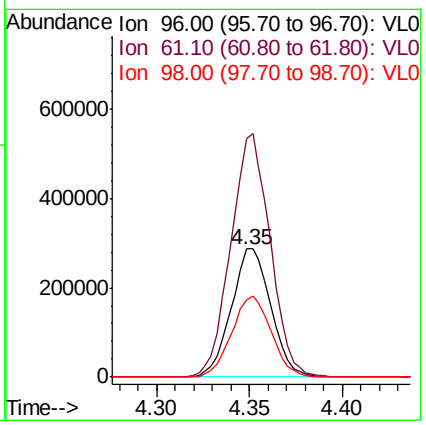


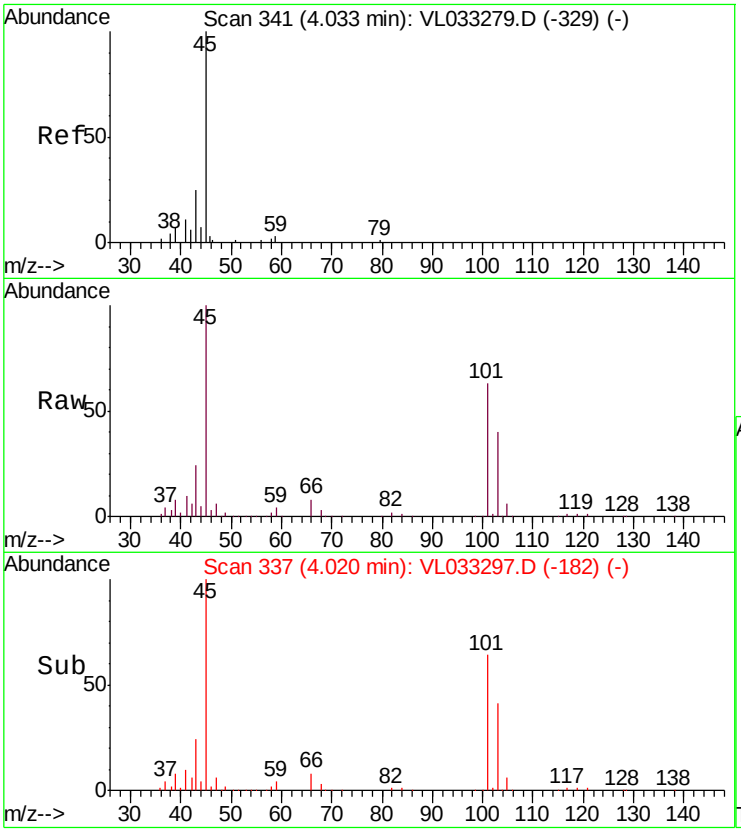


#18
1,1-Dichloroethene
Concen: 9.962 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 96 Resp: 425459

Ion	Ratio	Lower	Upper
96	100		
61	185.1	158.9	238.3
98	60.6	52.4	78.6



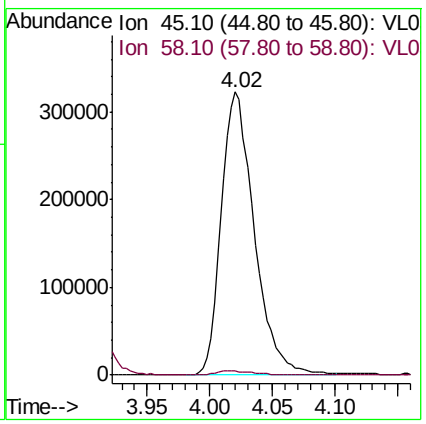


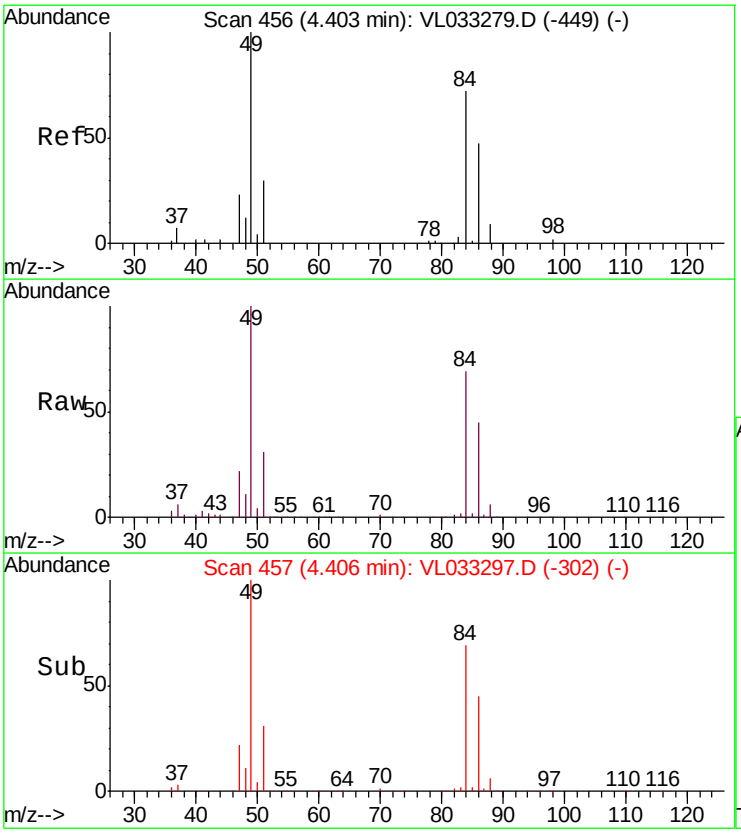
#19
Isopropyl Alcohol
Concen: 7.546 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 45 Resp: 589966

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.4	2.2

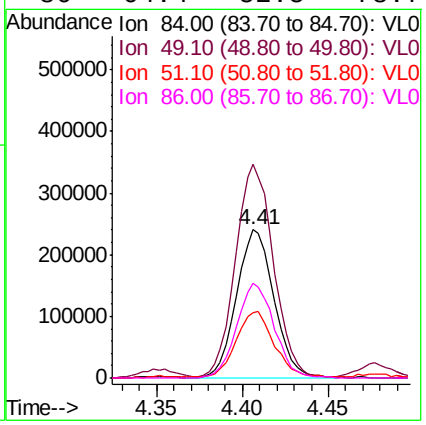


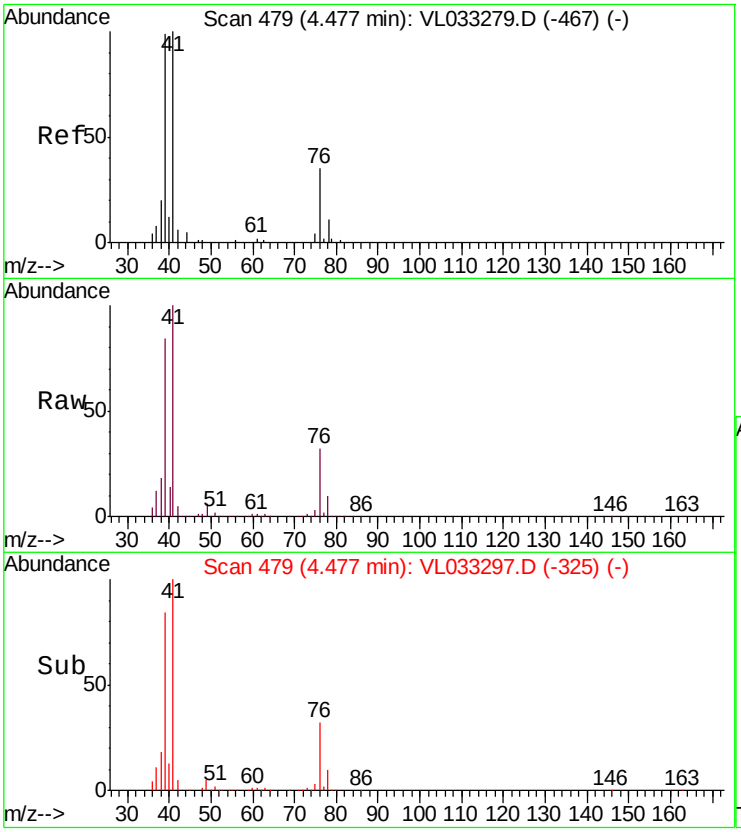


#20
Methylene Chloride
Concen: 8.449 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 84 Resp: 363406

Ion	Ratio	Lower	Upper
84	100		
49	143.4	120.3	180.5
51	44.0	36.2	54.4
86	64.4	52.5	78.7



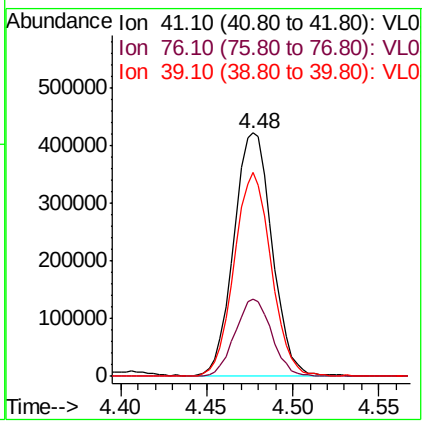


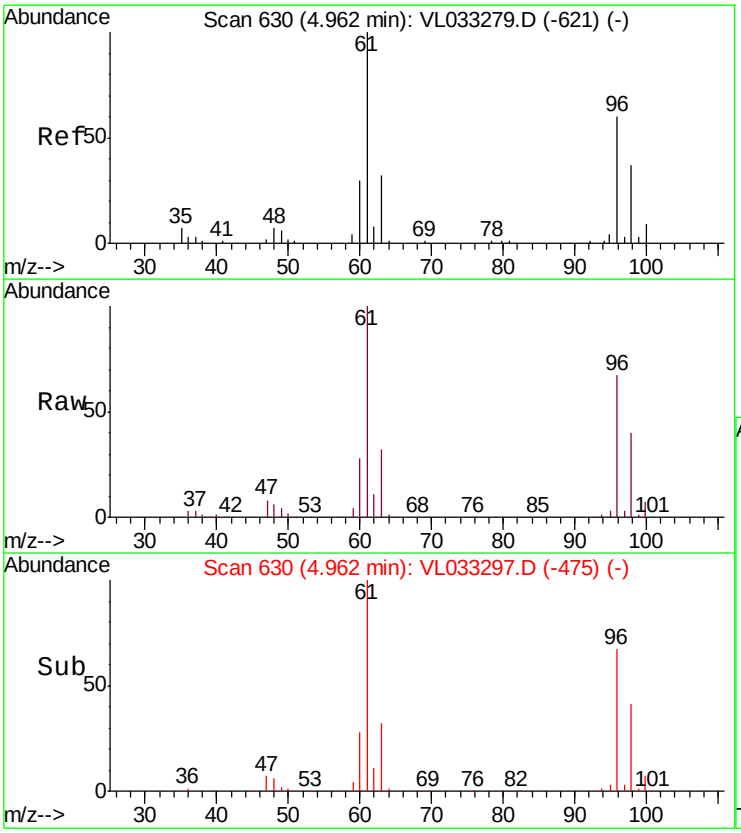
#21
Allyl Chloride
Concen: 10.110 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 650174

Ion	Ratio	Lower	Upper
41	100		
76	30.7	25.0	37.4
39	81.7	64.2	96.4

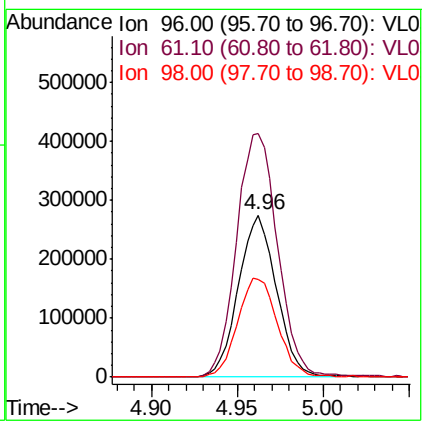


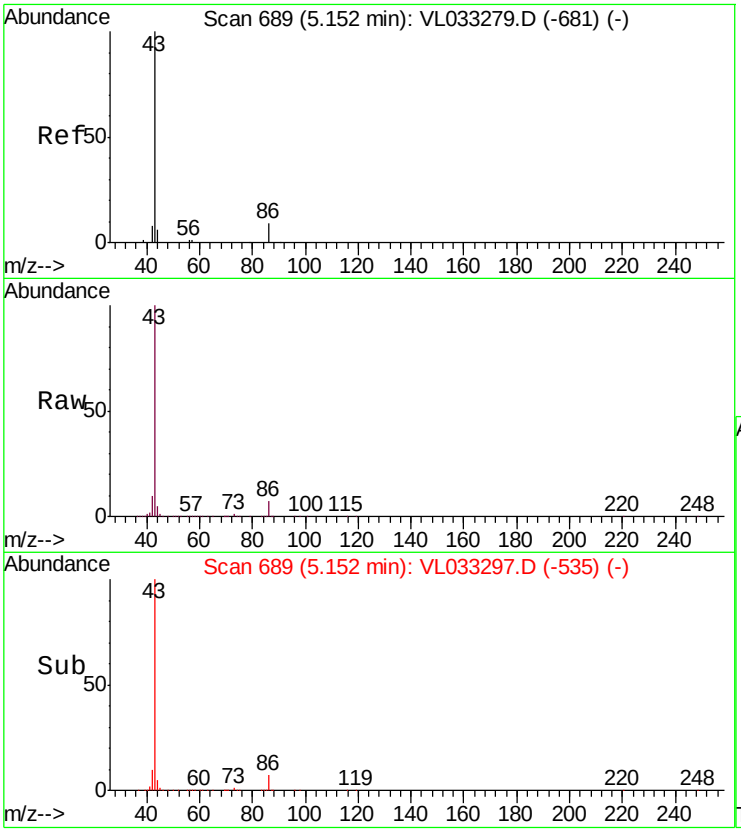


#22
trans-1,2-Dichloroethene
Concen: 9.298 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 96 Resp: 423466

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.6	197.4
98	60.5	54.1	81.1



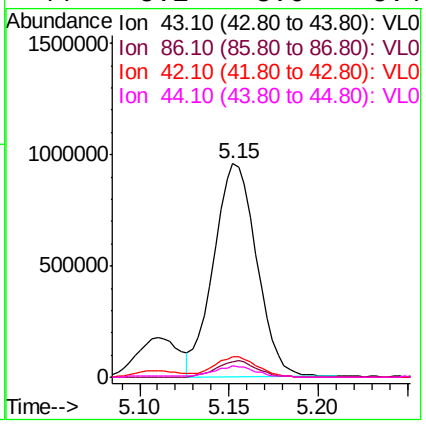


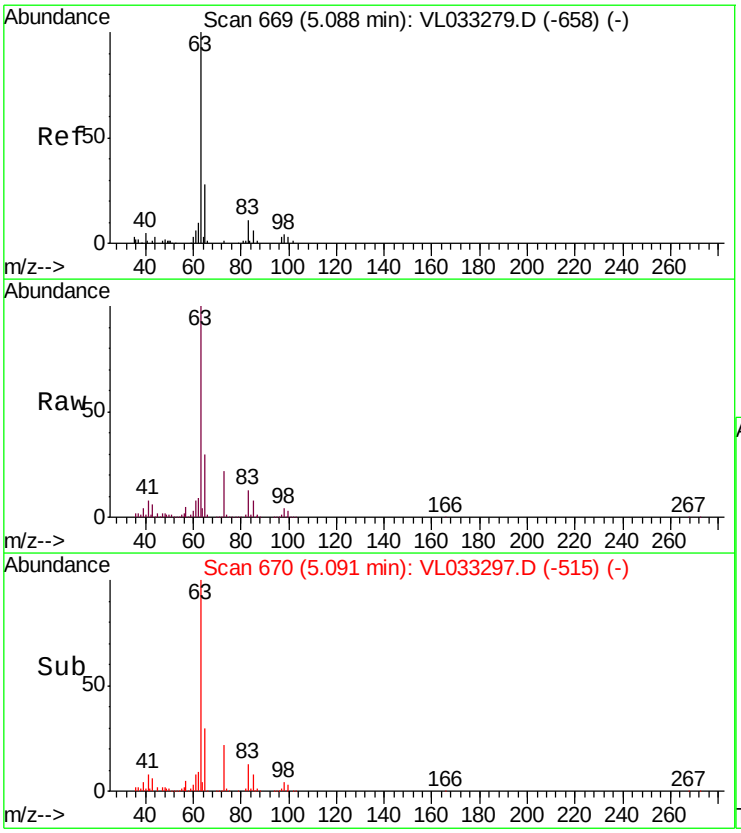
#23
Vinyl Acetate
Concen: 9.872 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1600033

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	9.5	7.8	11.6
44	5.1	3.6	5.4

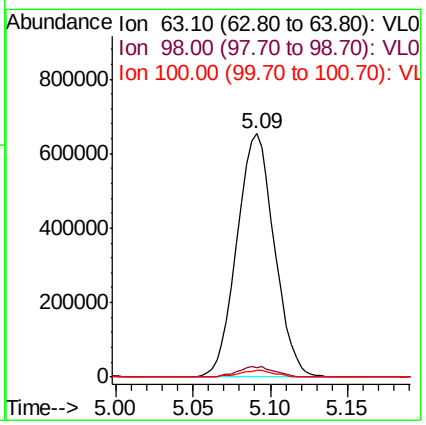


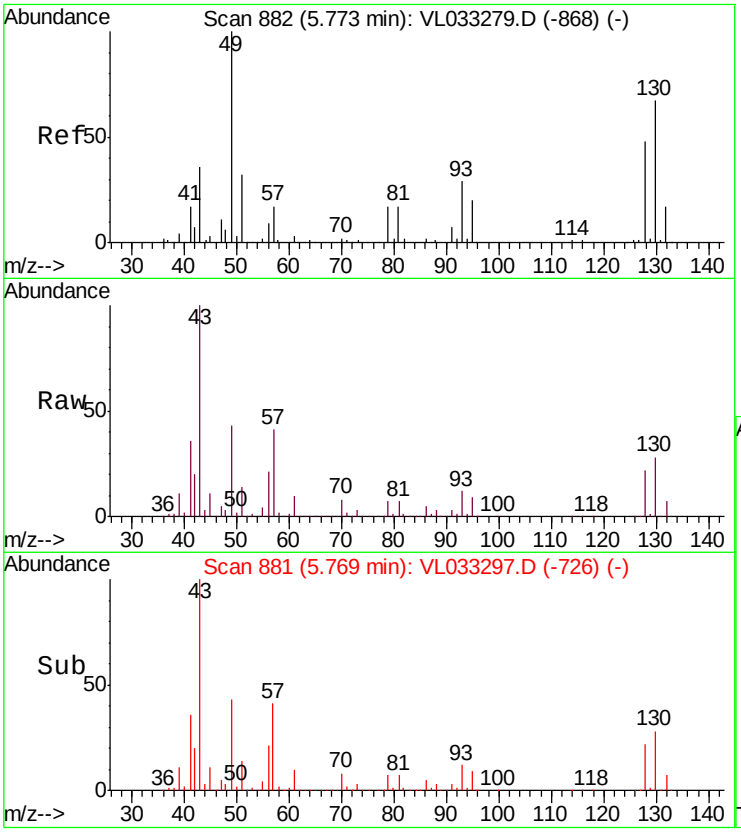


#24
1,1-Dichloroethane
Concen: 9.384 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 63 Resp: 1103095

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.2	6.6
100	2.6	1.5	4.4



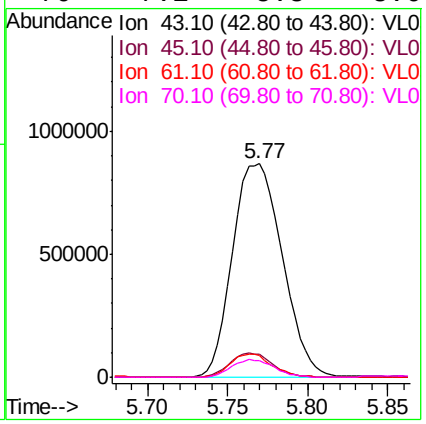


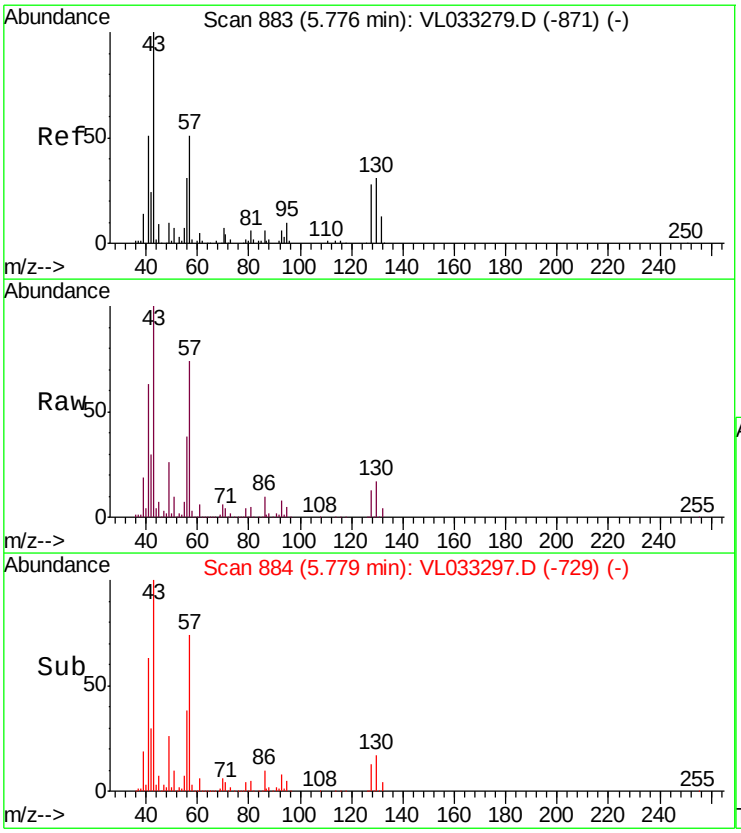
#25
Ethyl Acetate
Concen: 9.270 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1847879

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.0	7.3	10.9
70	7.1	5.8	8.6

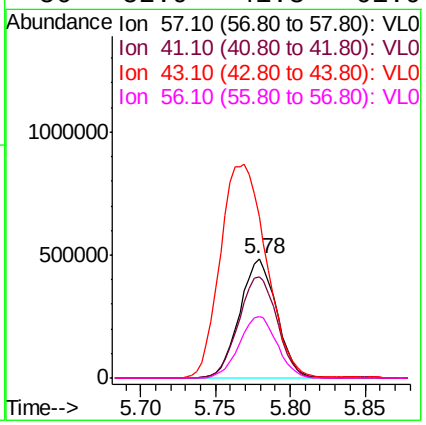


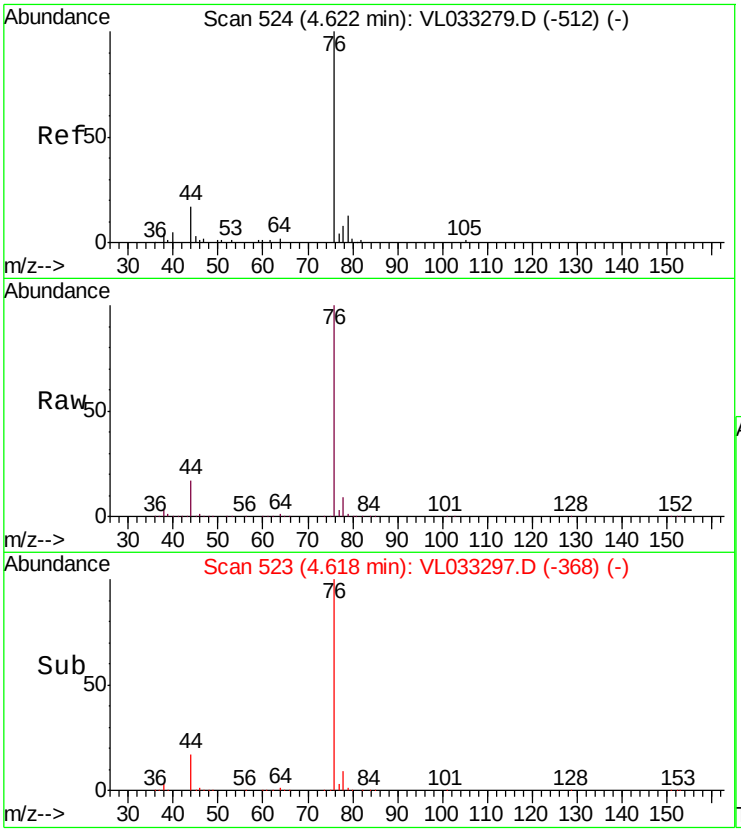


#26
Hexane
Concen: 8.884 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 57 Resp: 831256

Ion	Ratio	Lower	Upper
57	100		
41	88.8	70.7	106.1
43	224.5	178.6	267.8
56	52.9	41.3	61.9



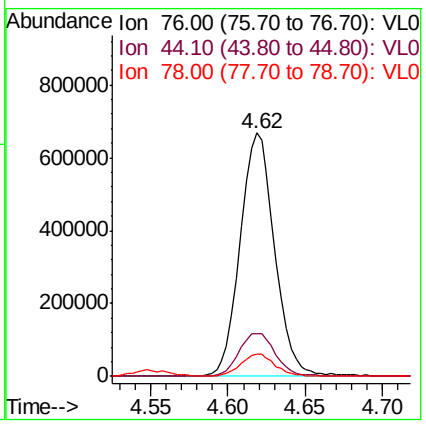


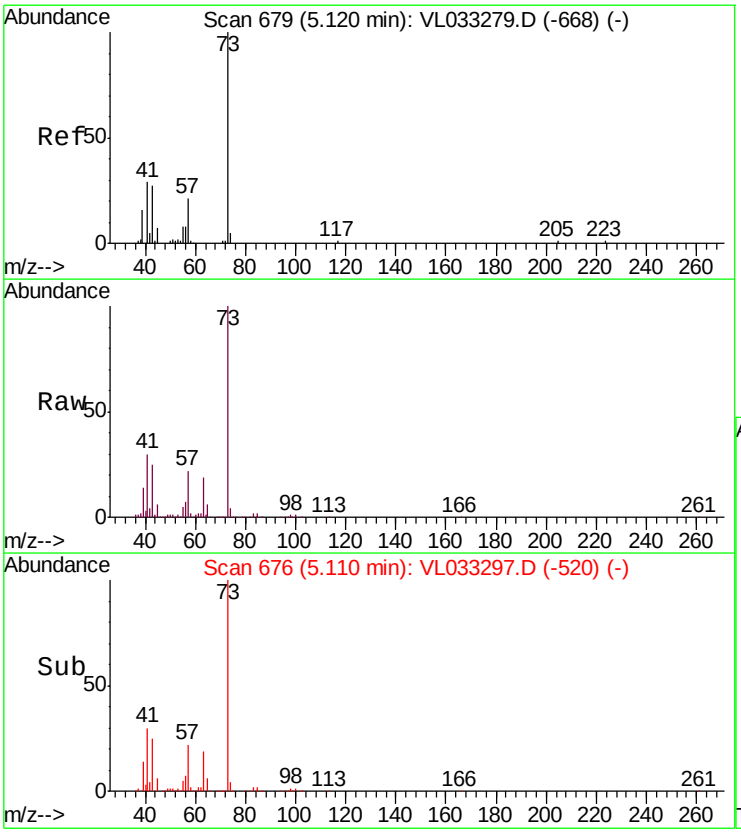
#27
Carbon Disulfide
Concen: 10.422 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1034616

Ion	Ratio	Lower	Upper
76	100		
44	18.1	15.1	22.7
78	9.2	7.4	11.0

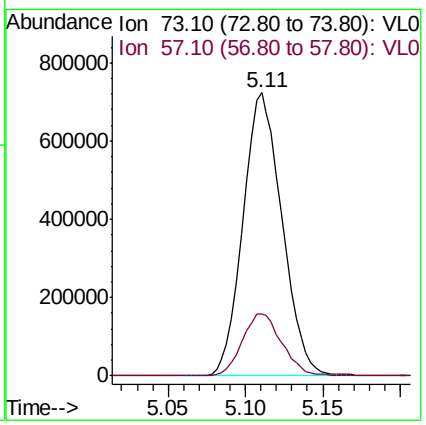


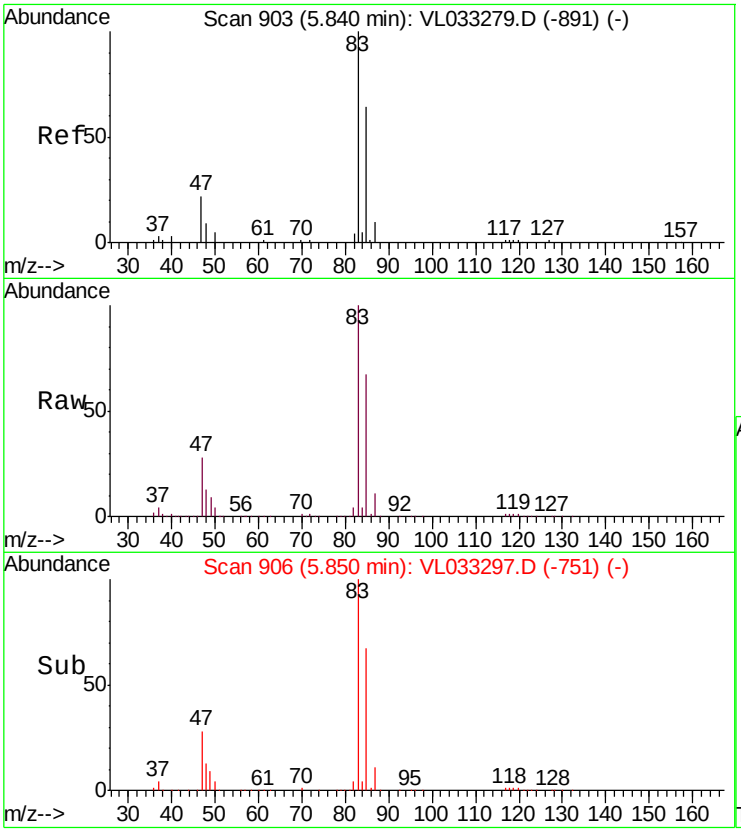


#28
Methyl tert-Butyl Ether
Concen: 9.570 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 73 Resp: 1270759

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



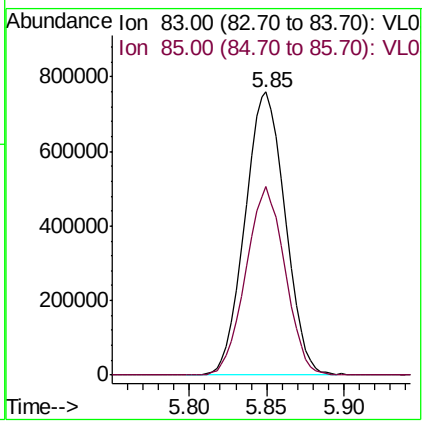


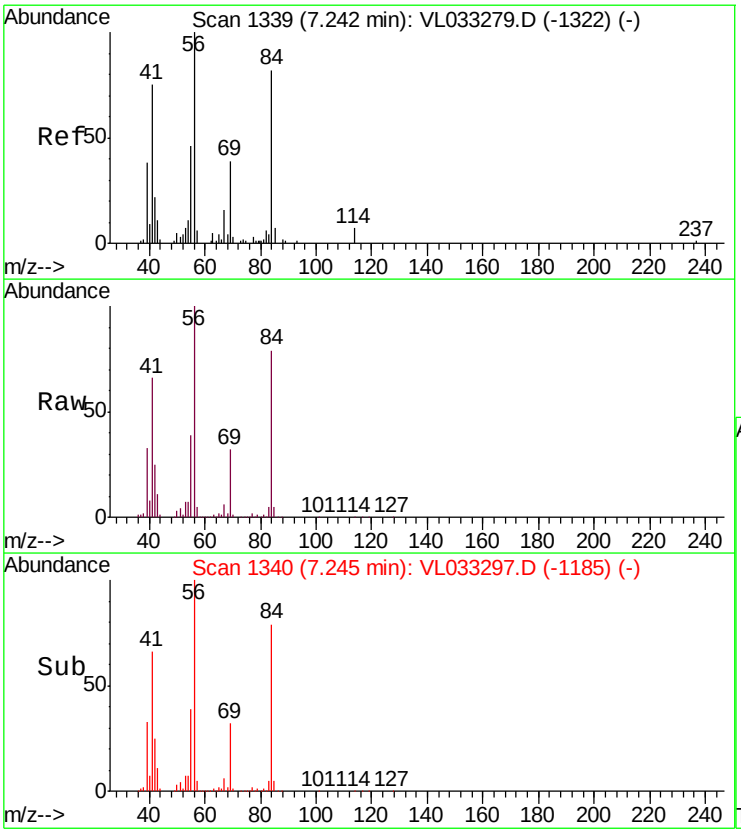
#29
Chloroform
Concen: 9.662 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1375389

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.5	78.7

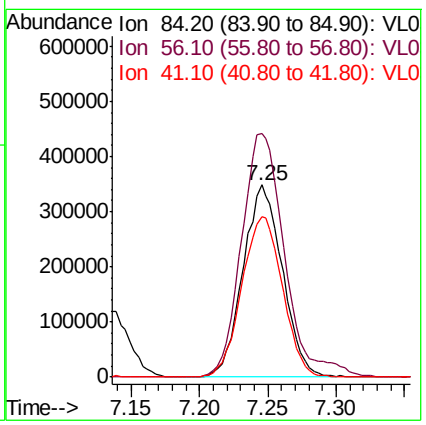


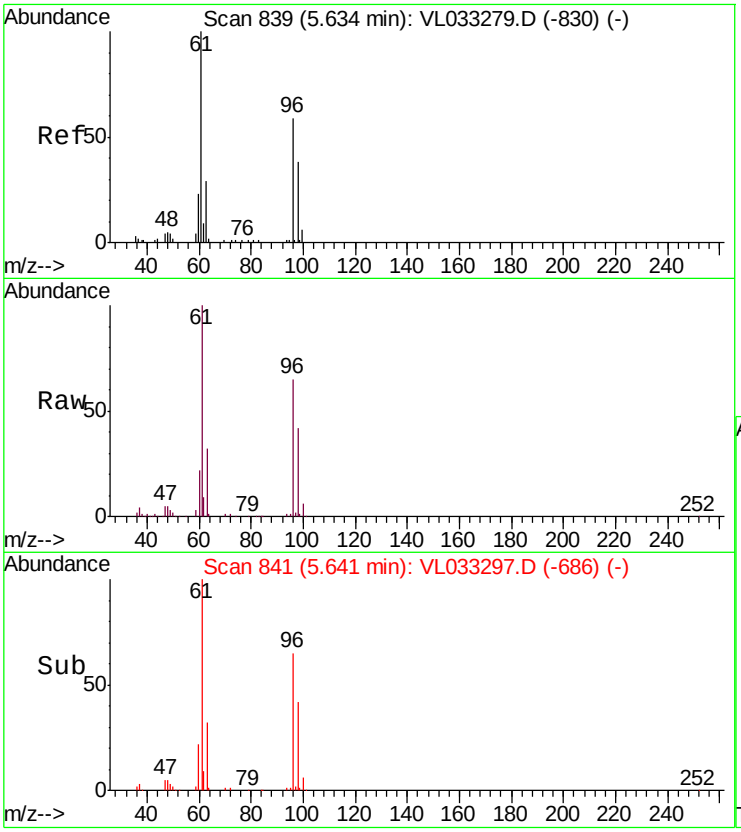


#30
Cyclohexane
Concen: 9.622 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 84 Resp: 697989

Ion	Ratio	Lower	Upper
84	100		
56	139.2	112.0	168.0
41	86.5	69.9	104.9



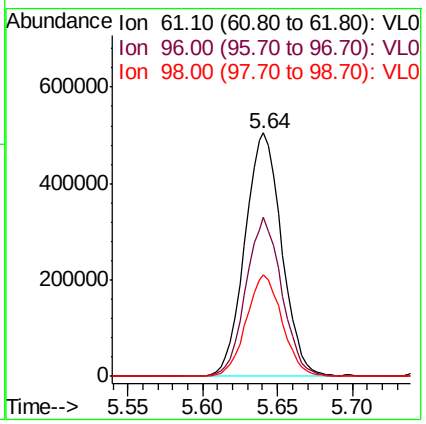


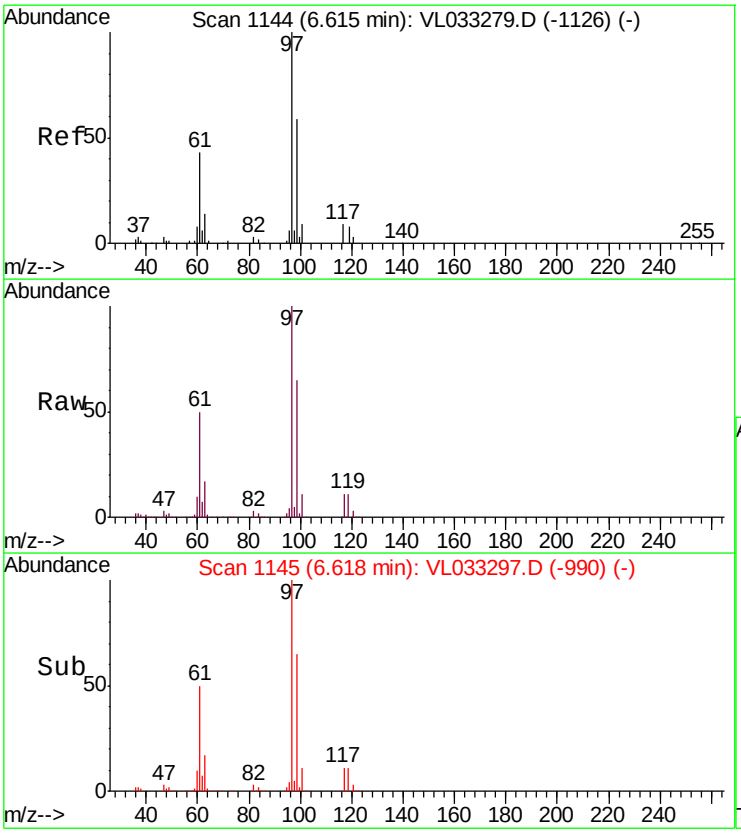
#31
cis-1,2-Dichloroethene
Concen: 9.636 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 61 Resp: 864244

Ion	Ratio	Lower	Upper
61	100		
96	65.2	51.8	77.8
98	41.6	32.9	49.3

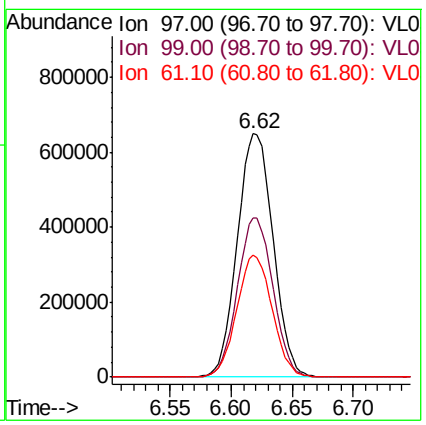


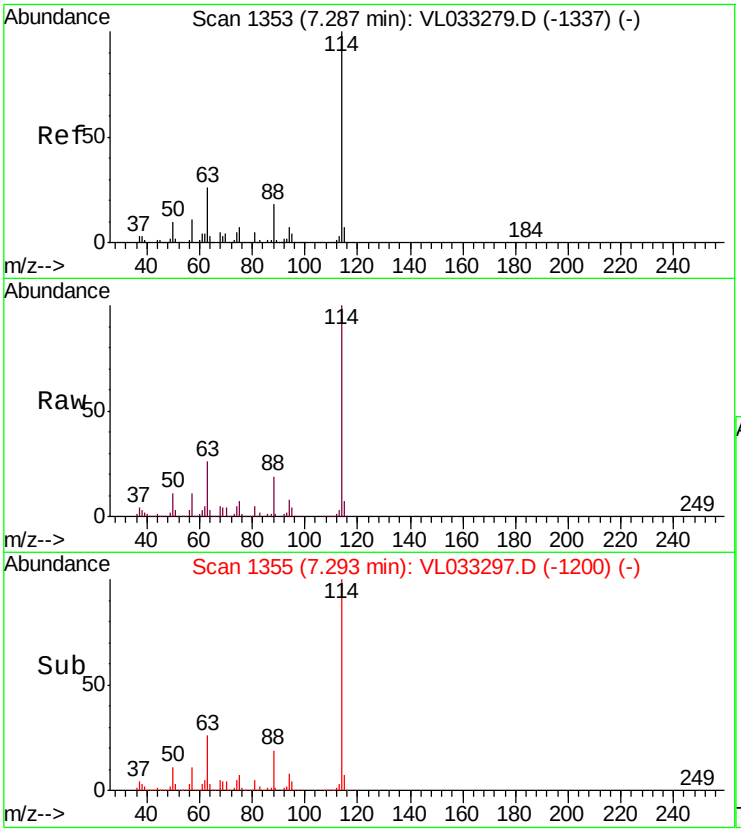


#32
1,1,1-Trichloroethane
Concen: 9.488 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 97 Resp: 1315950

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	49.6	39.7	59.5



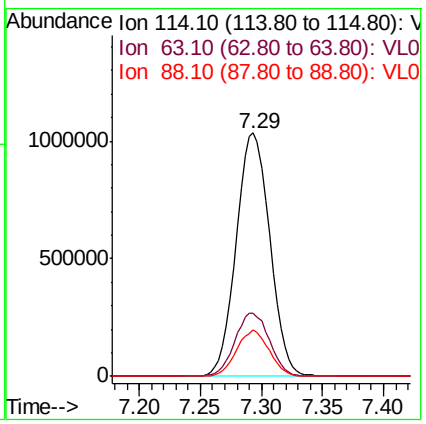


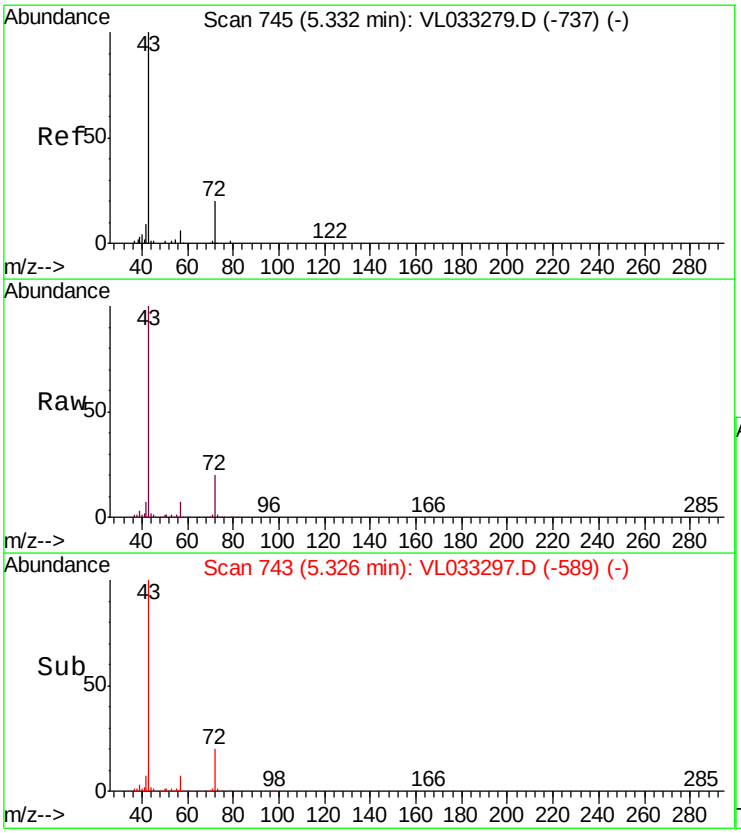
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:114 Resp: 1966794

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.3	14.6	22.0

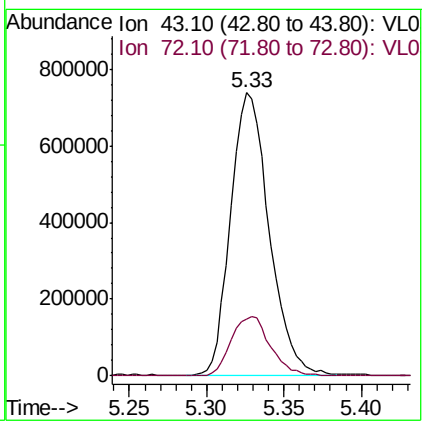


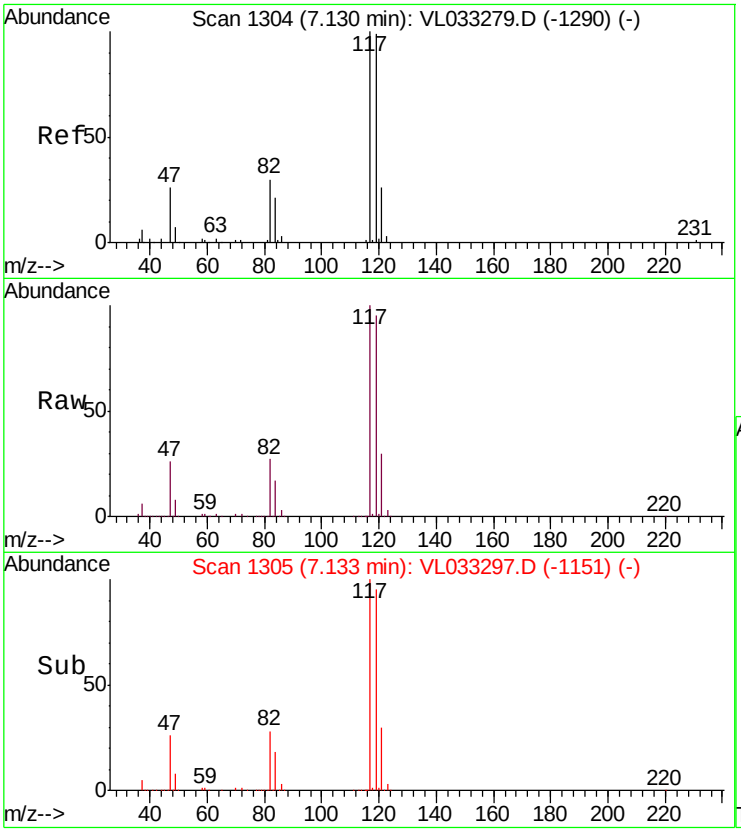


#34
2-Butanone
Concen: 9.773 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 43 Resp: 1271062

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.0	25.6



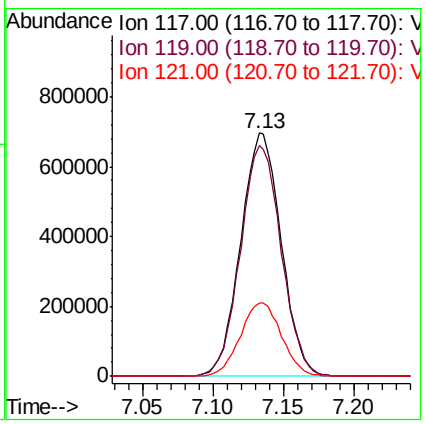


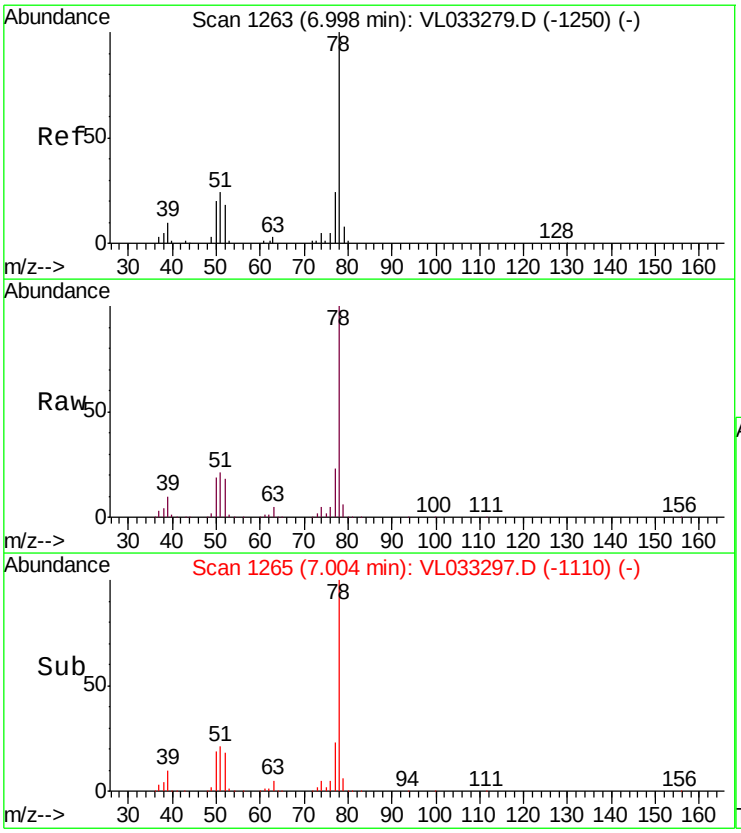
#35
Carbon Tetrachloride
Concen: 9.746 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1400543

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	30.4	24.9	37.3

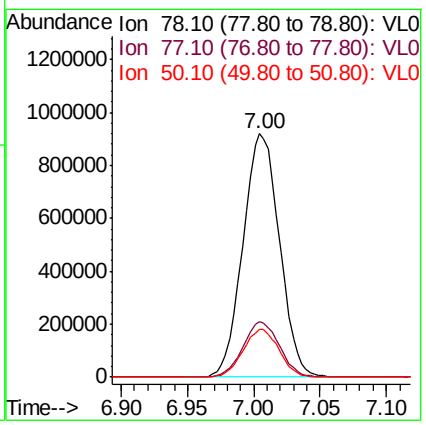


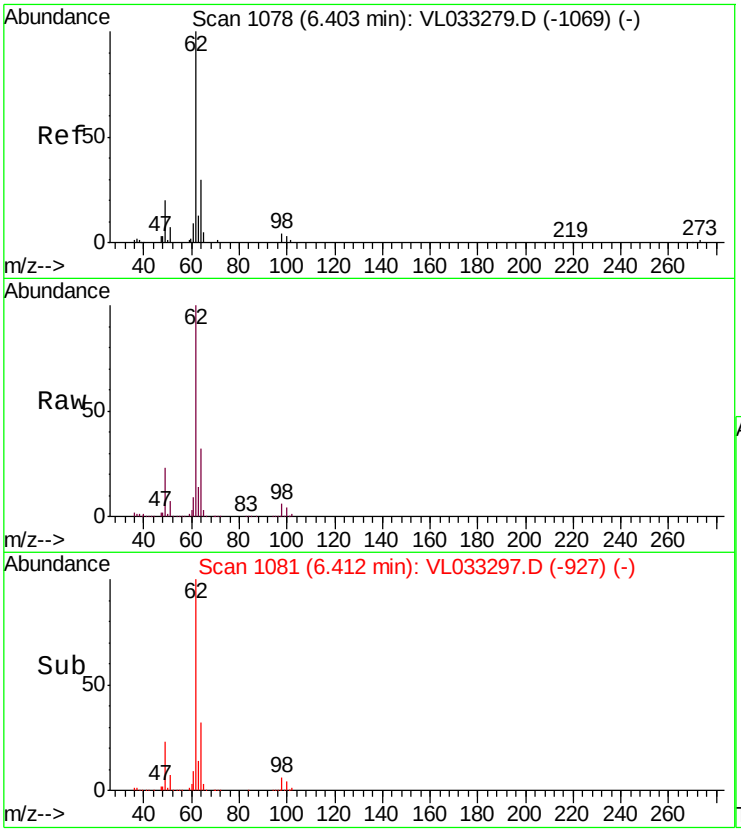


#36
Benzene
Concen: 9.693 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 78 Resp: 1758148

Ion	Ratio	Lower	Upper
78	100		
77	22.5	17.7	26.5
50	19.4	15.7	23.5



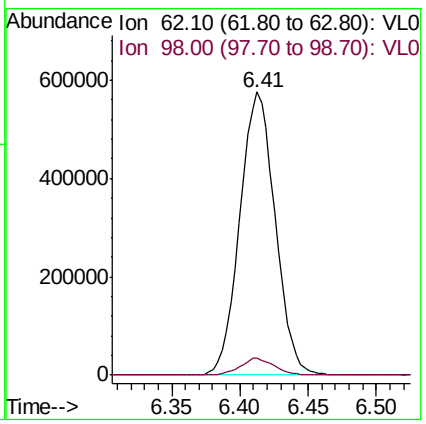


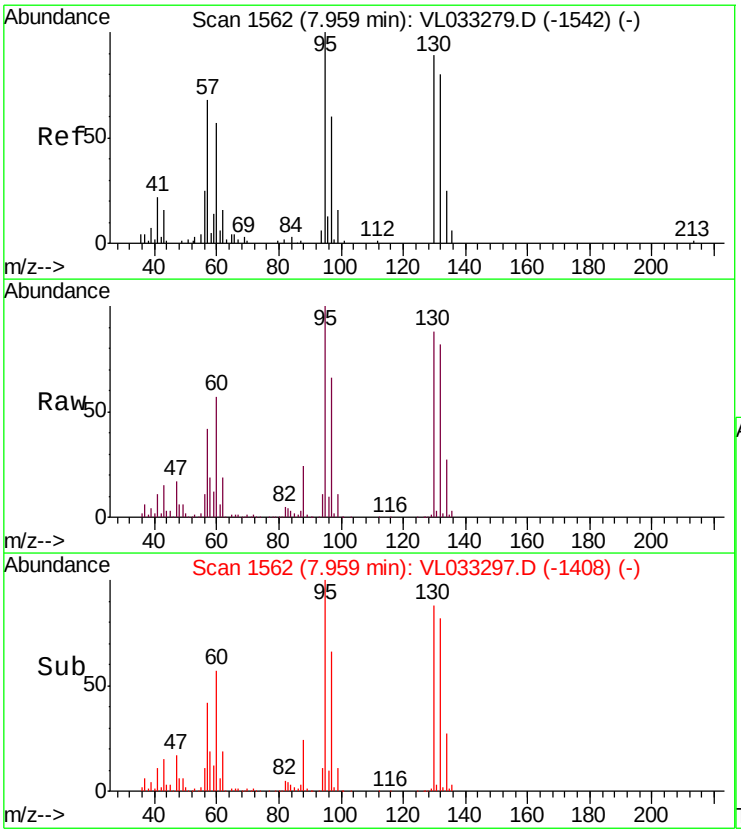
#37
1,2-Dichloroethane
Concen: 9.526 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 1036380

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7

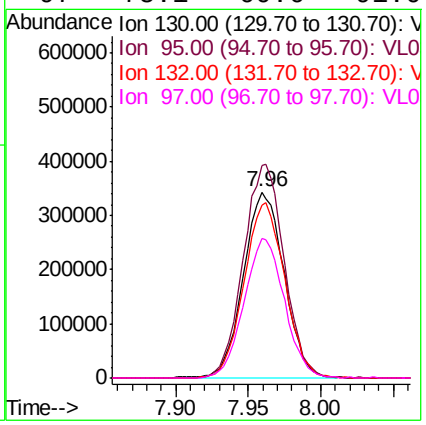


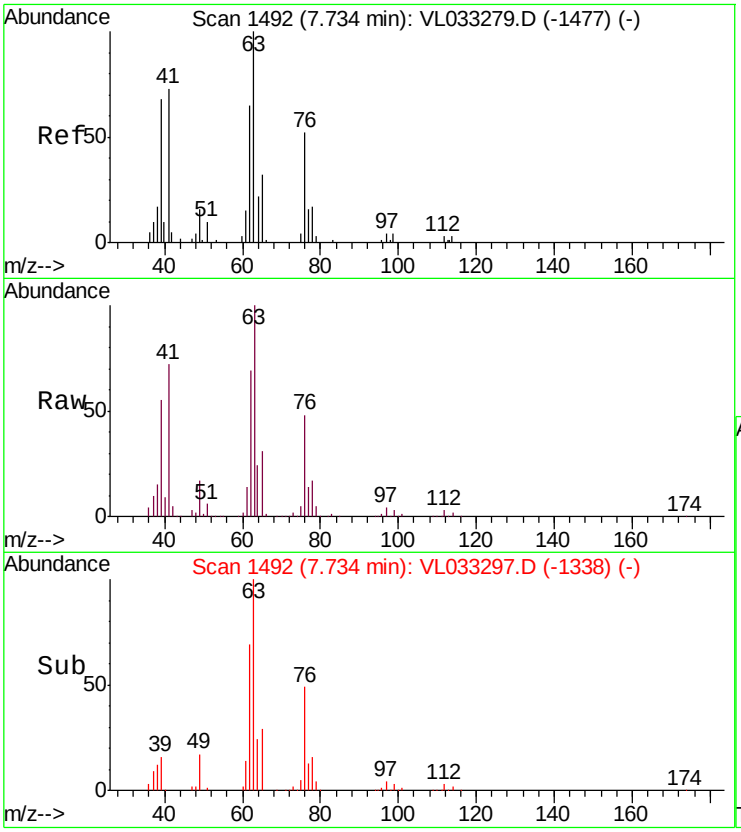


#38
Trichloroethene
Concen: 9.383 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:130 Resp: 663445

Ion	Ratio	Lower	Upper
130	100		
95	114.6	93.3	139.9
132	93.7	75.4	113.2
97	75.1	60.6	91.0



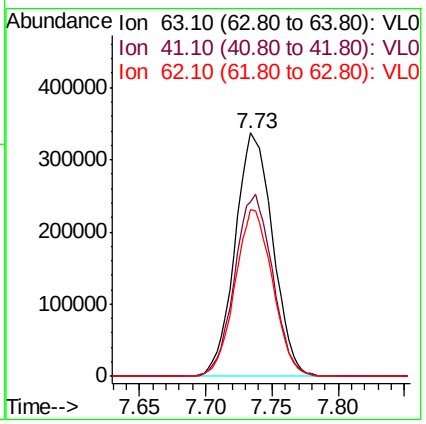


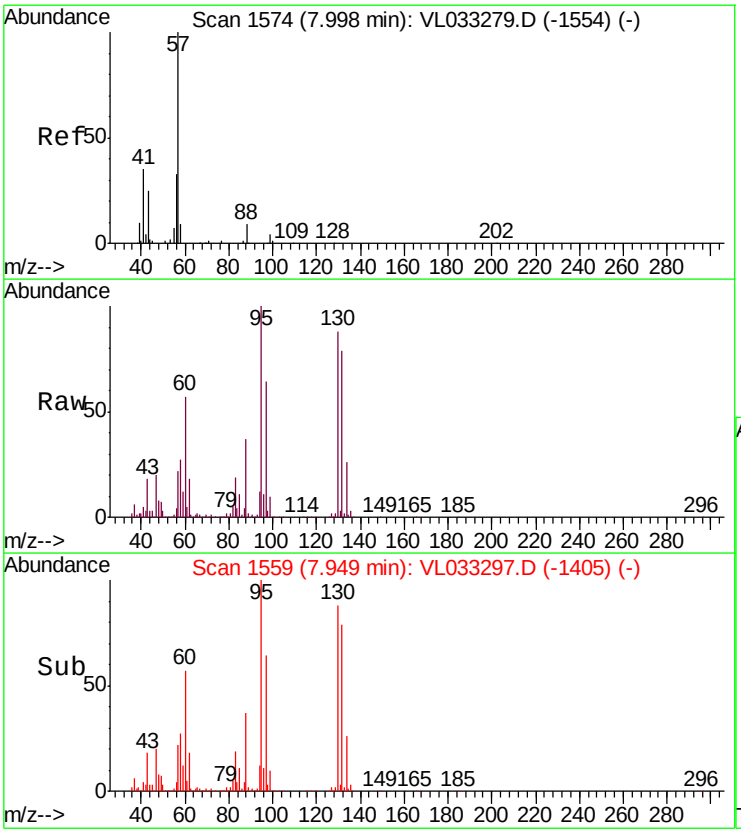
#39
1,2-Dichloropropane
Concen: 9.770 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 63 Resp: 666917

Ion	Ratio	Lower	Upper
63	100		
41	71.6	58.3	87.5
62	68.5	55.3	82.9

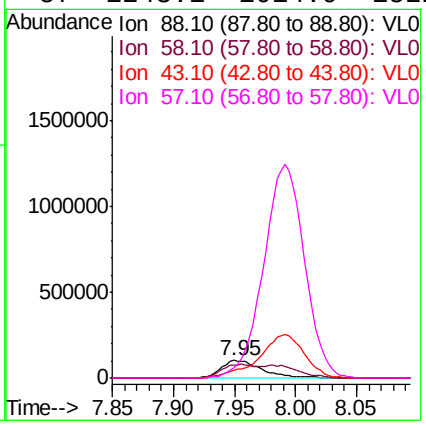


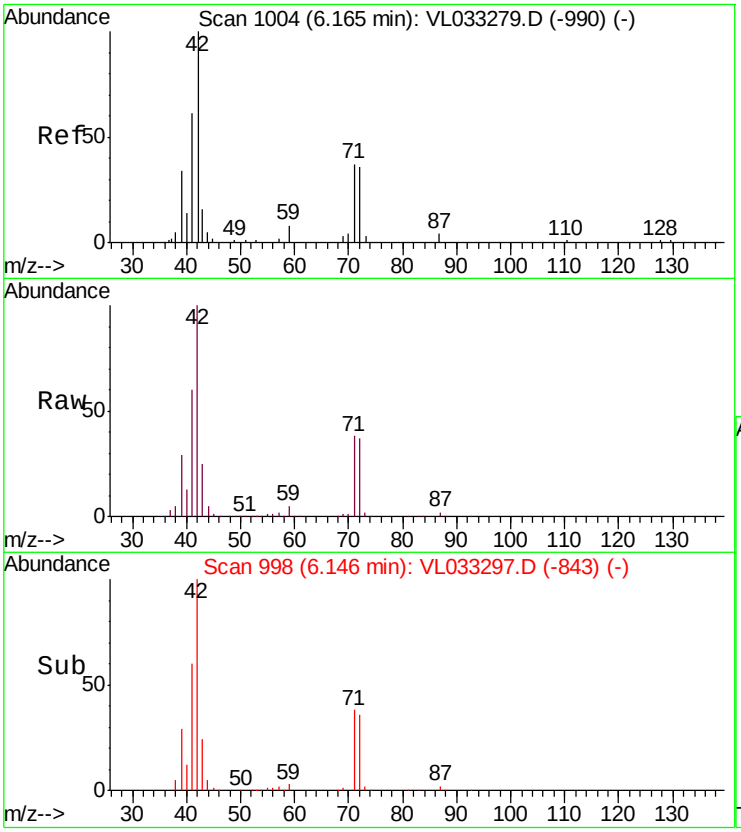


#40
1,4-Dioxane
Concen: 9.154 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 88 Resp: 235167

Ion	Ratio	Lower	Upper
88	100		
58	131.1	107.0	160.6
43	279.0	230.2	345.4
57	1243.1	1014.9	1522.3



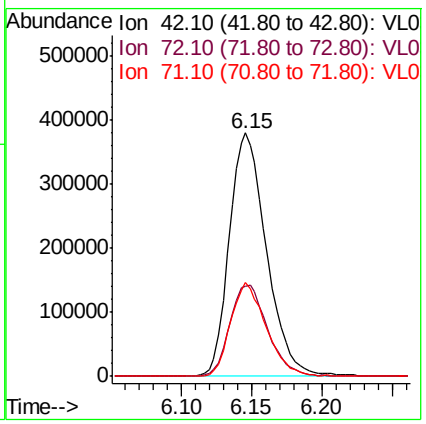


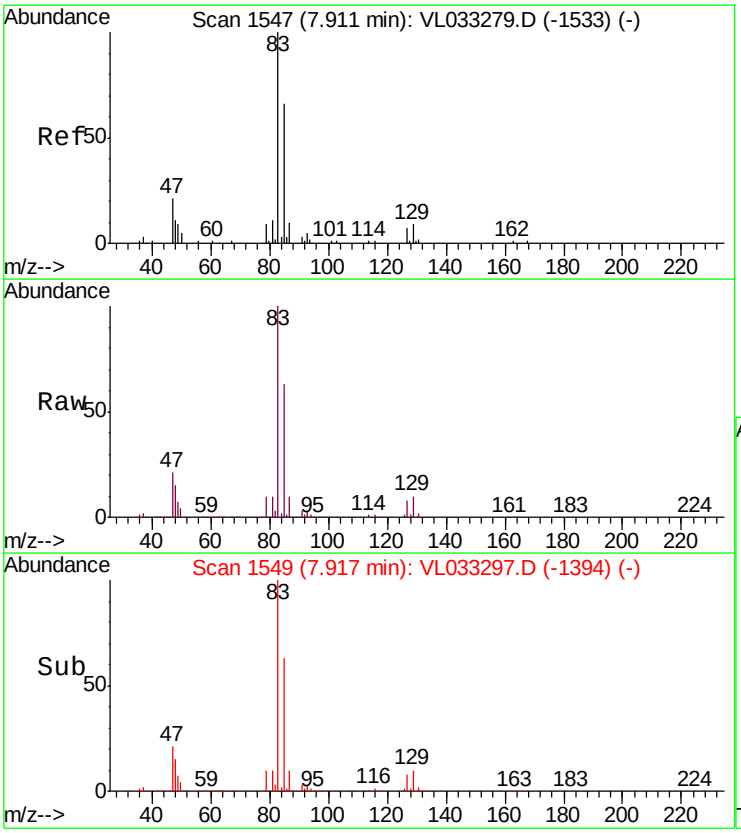
#41
Tetrahydrofuran
Concen: 9.682 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 699128

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.6	46.0
71	37.4	29.7	44.5

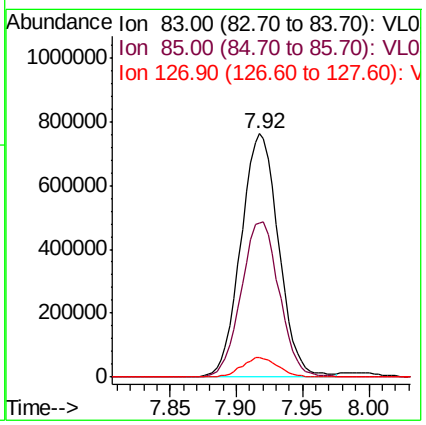


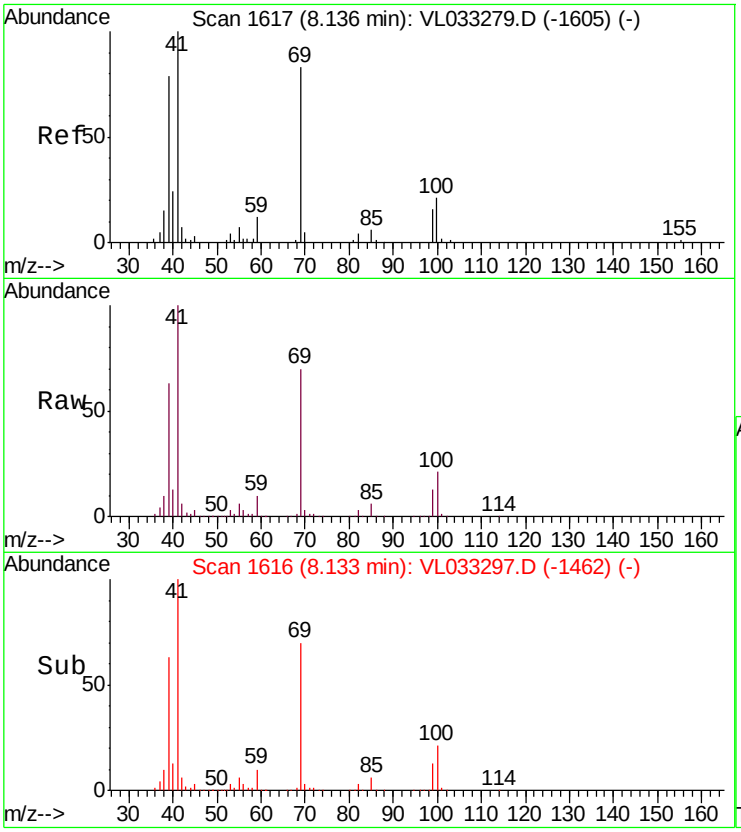


#42
Bromodichloromethane
Concen: 10.083 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 83 Resp: 1510084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4
127	8.3	6.0	9.0



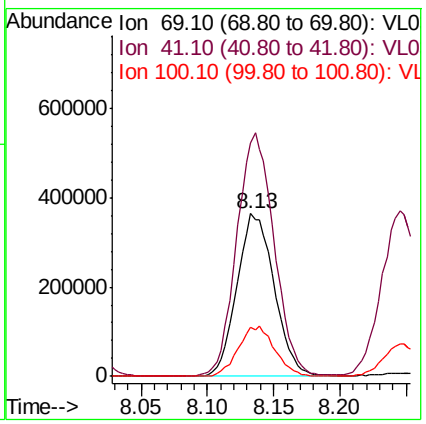


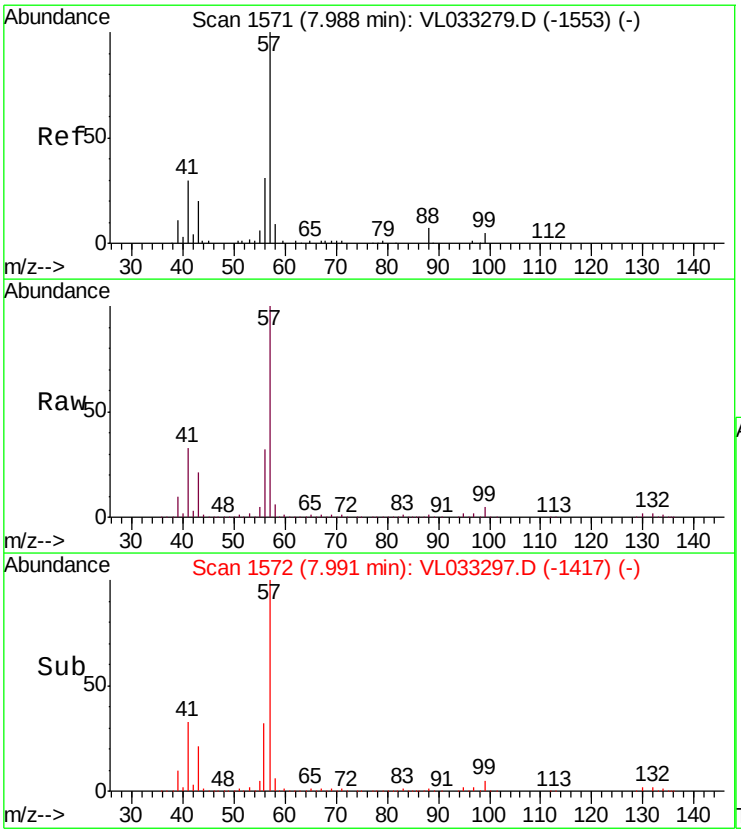
#43
Methyl Methacrylate
Concen: 10.111 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 714864

Ion	Ratio	Lower	Upper
69	100		
41	149.1	121.0	181.4
100	30.3	24.4	36.6

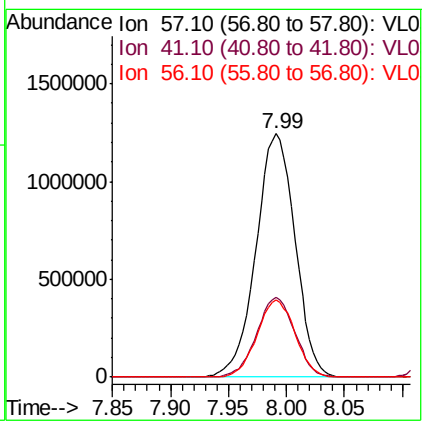


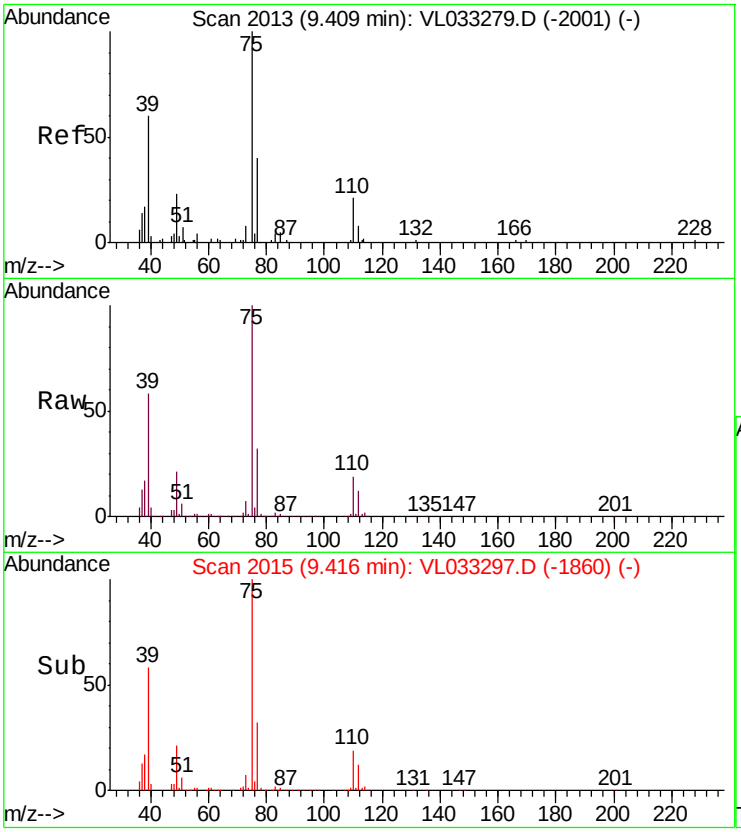


#44
2,2,4-Trimethylpentane
Concen: 9.469 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 57 Resp: 2917638

Ion	Ratio	Lower	Upper
57	100		
41	32.0	26.2	39.2
56	31.0	24.8	37.2



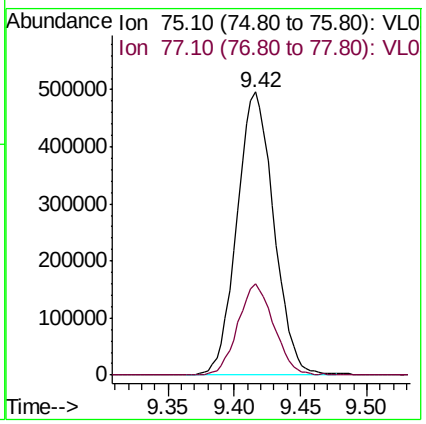


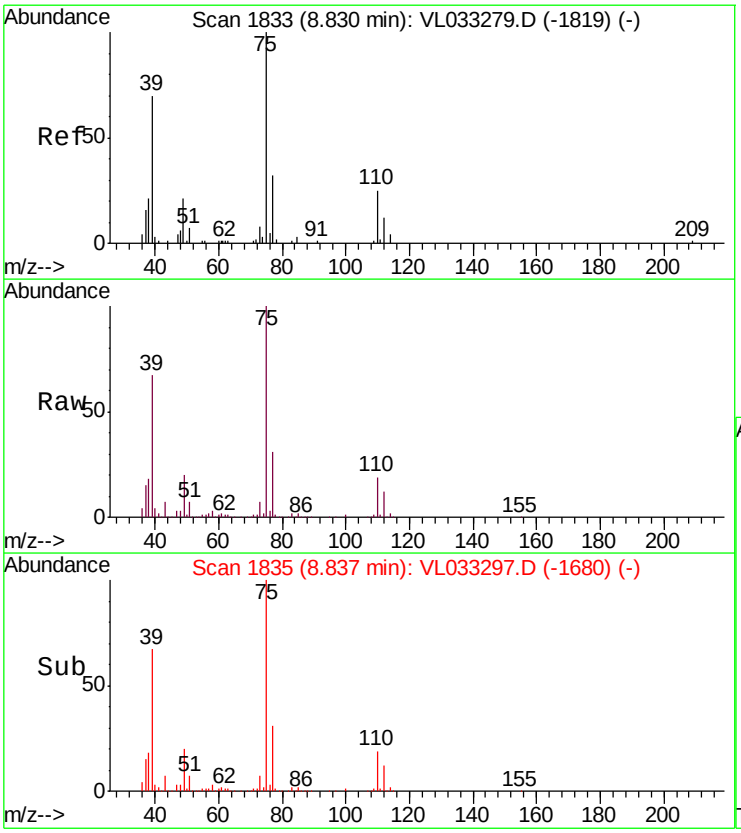
#45
t-1,3-Dichloropropene
Concen: 11.051 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 75 Resp: 960480

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6

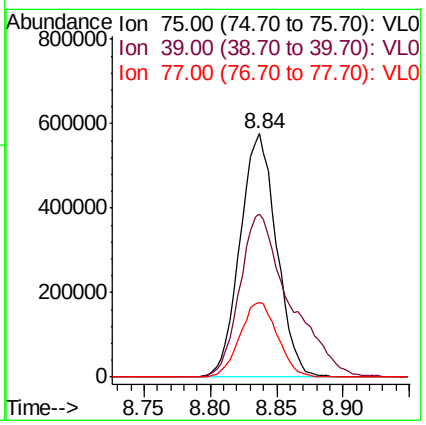


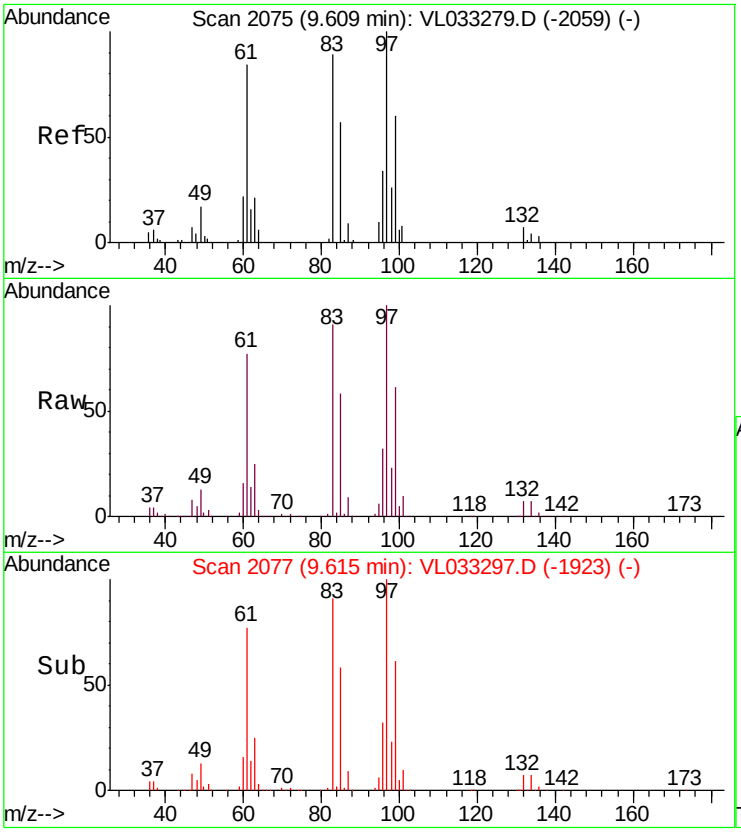


#46
cis-1,3-Dichloropropene
Concen: 10.840 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 75 Resp: 1104369

Ion	Ratio	Lower	Upper
75	100		
39	66.9	54.2	81.2
77	30.5	24.5	36.7



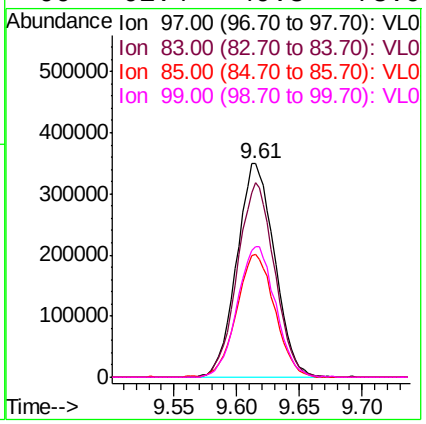


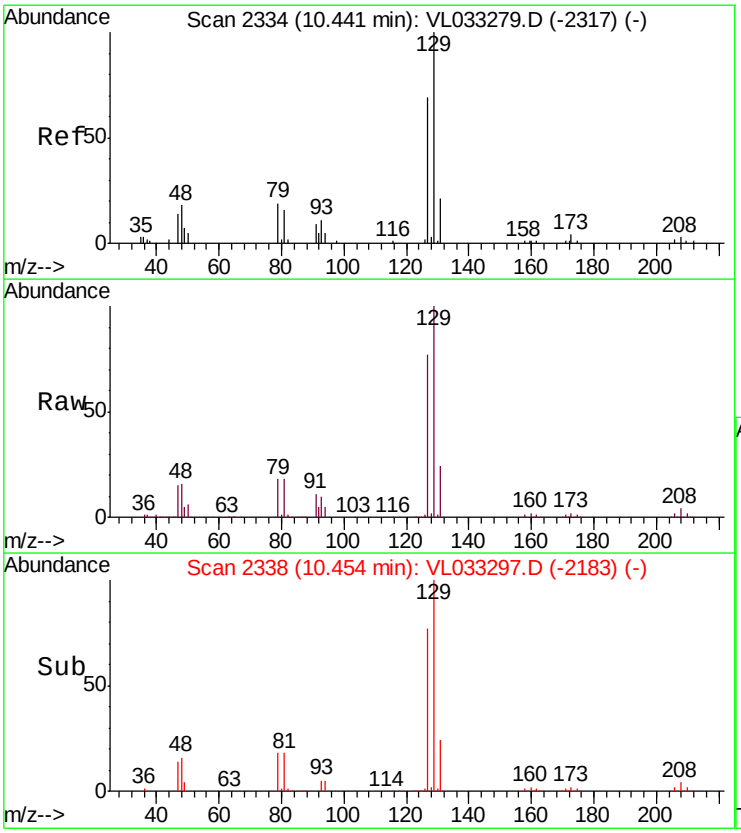
#47
1,1,2-Trichloroethane
Concen: 10.060 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 733249

Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.0	106.4
85	57.5	48.2	72.4
99	61.4	49.3	73.9

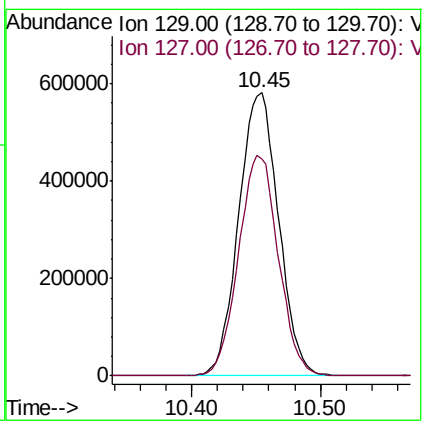


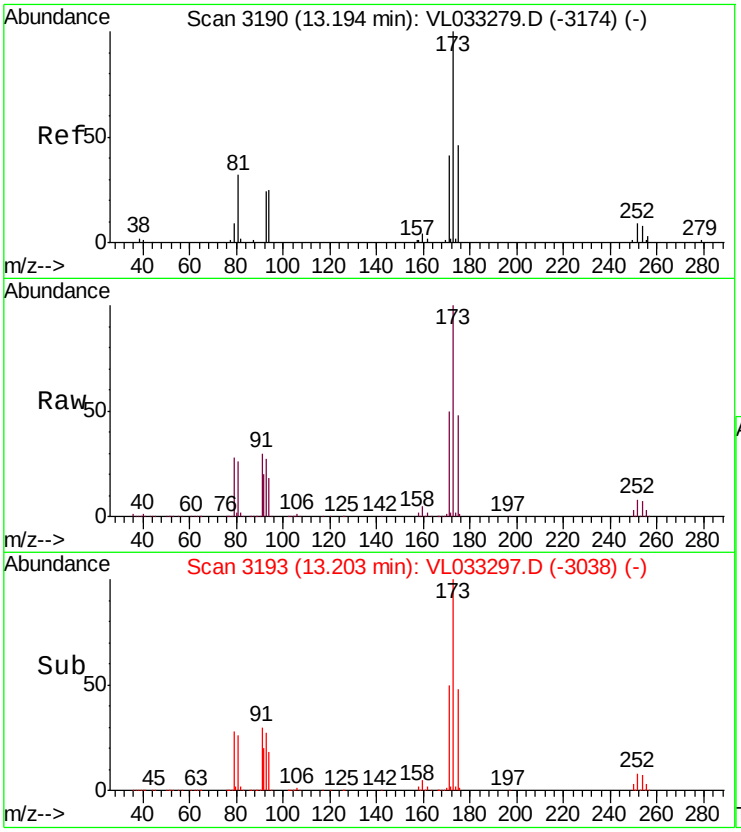


#48
Dibromochloromethane
Concen: 10.488 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:129 Resp: 1253396

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.6



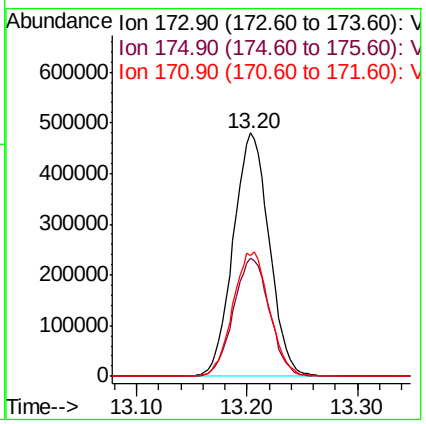


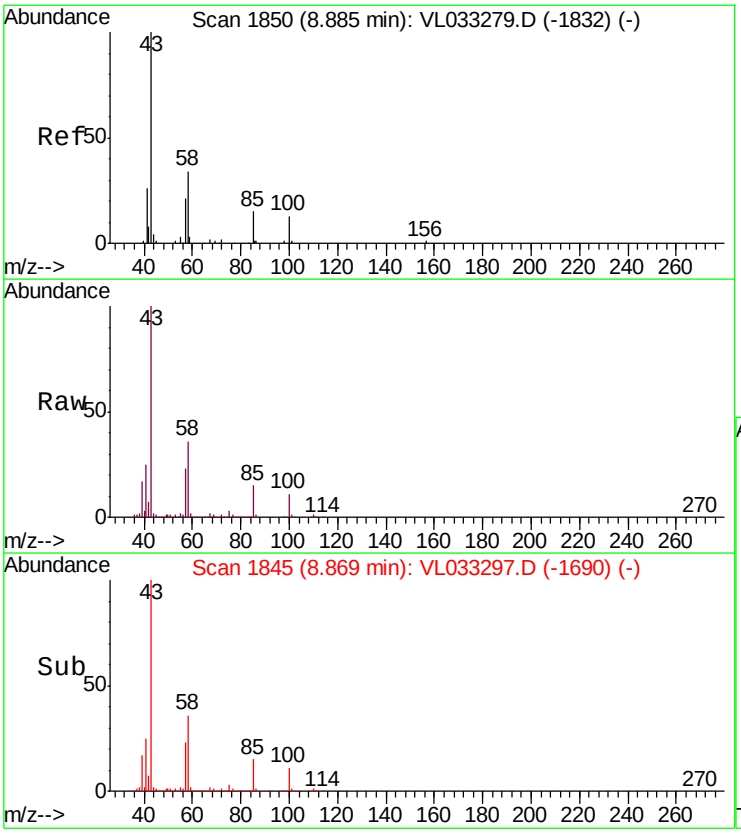
#49
Bromoform
Concen: 11.189 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1083880

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.6
171	52.0	41.2	61.8

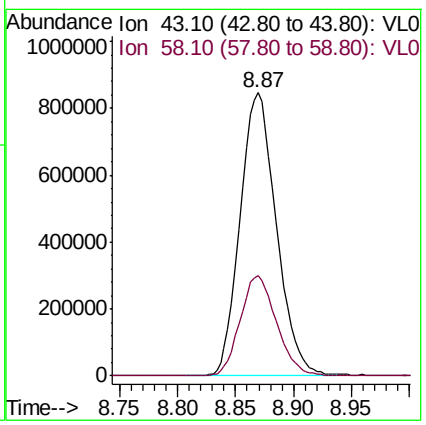


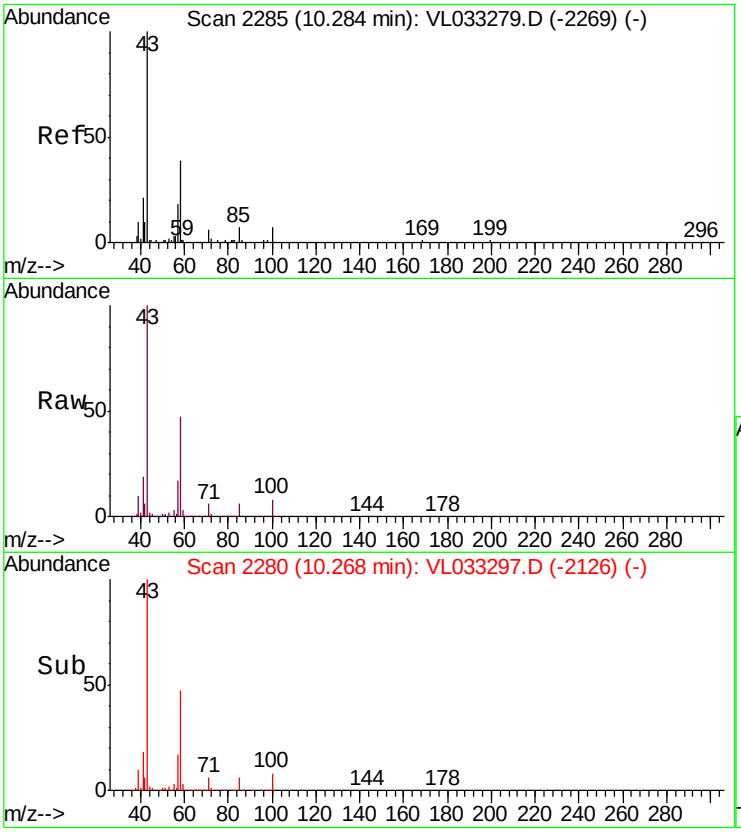


#50
4-Methyl-2-Pentanone
Concen: 9.960 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 43 Resp: 1848645

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0



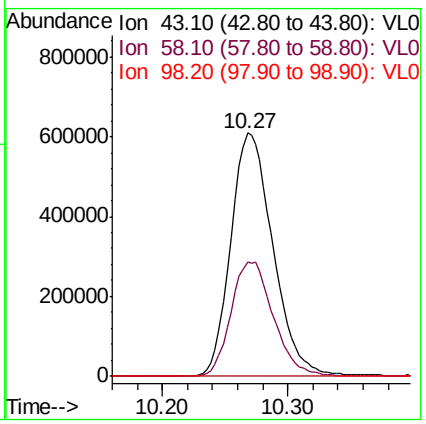


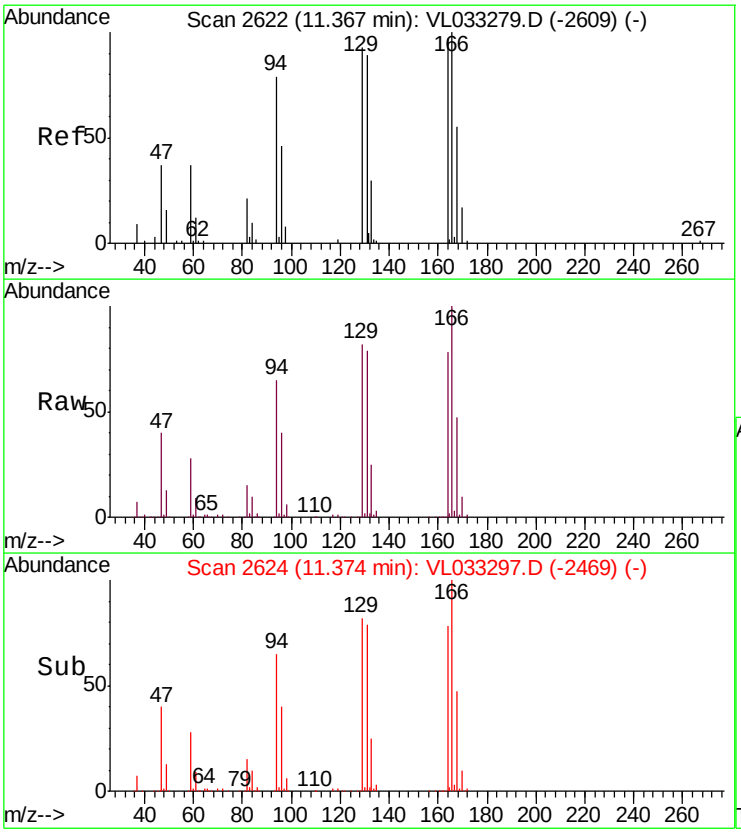
#51
2-Hexanone
Concen: 9.988 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1415204

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.1	57.1
98	0.1	0.1	0.1#

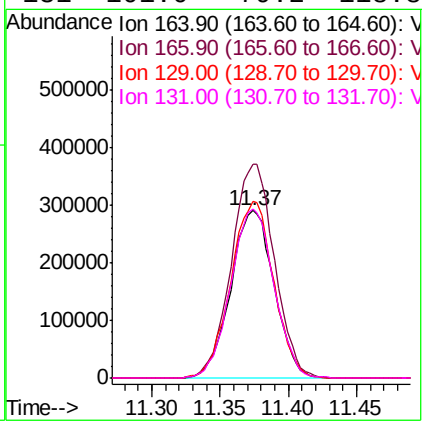


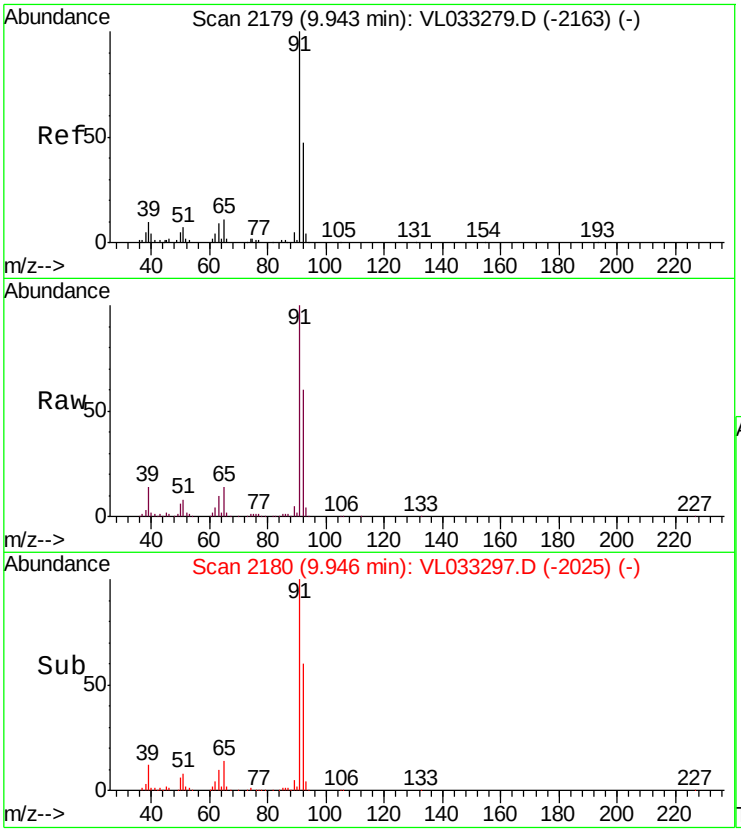


#52
Tetrachloroethene
Concen: 9.604 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:164 Resp: 638587

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.8	151.2
129	105.1	80.6	121.0
131	101.0	79.2	118.8



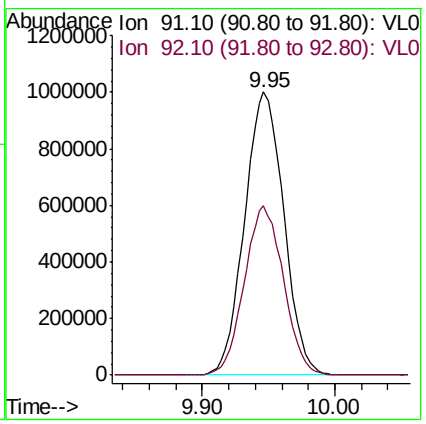


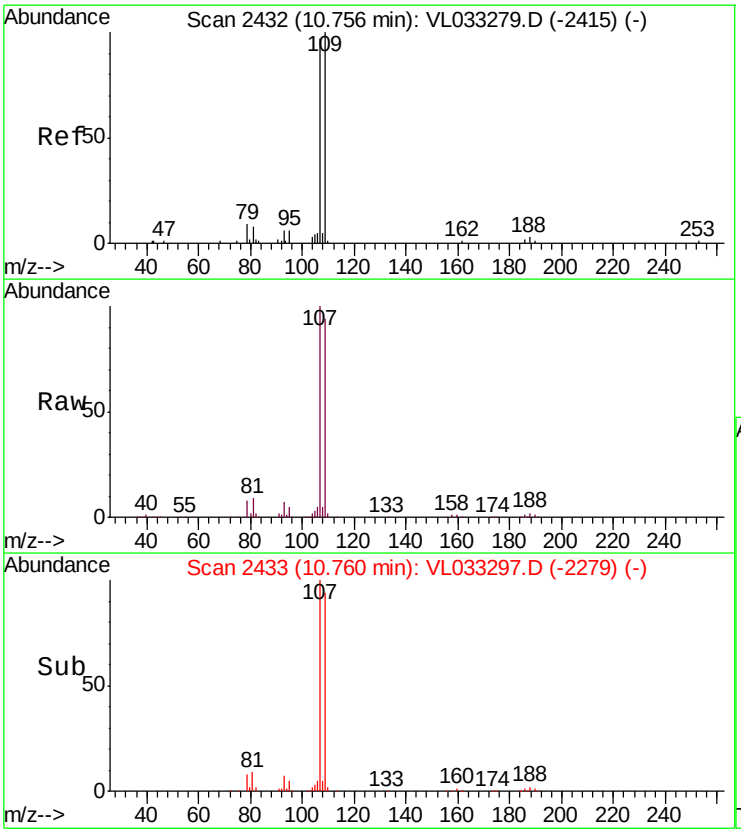
#53
Toluene
Concen: 9.869 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2063439

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.8	71.8

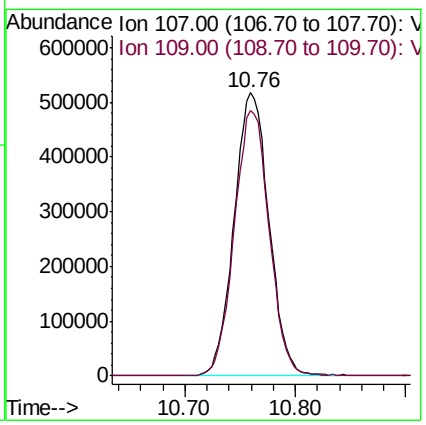


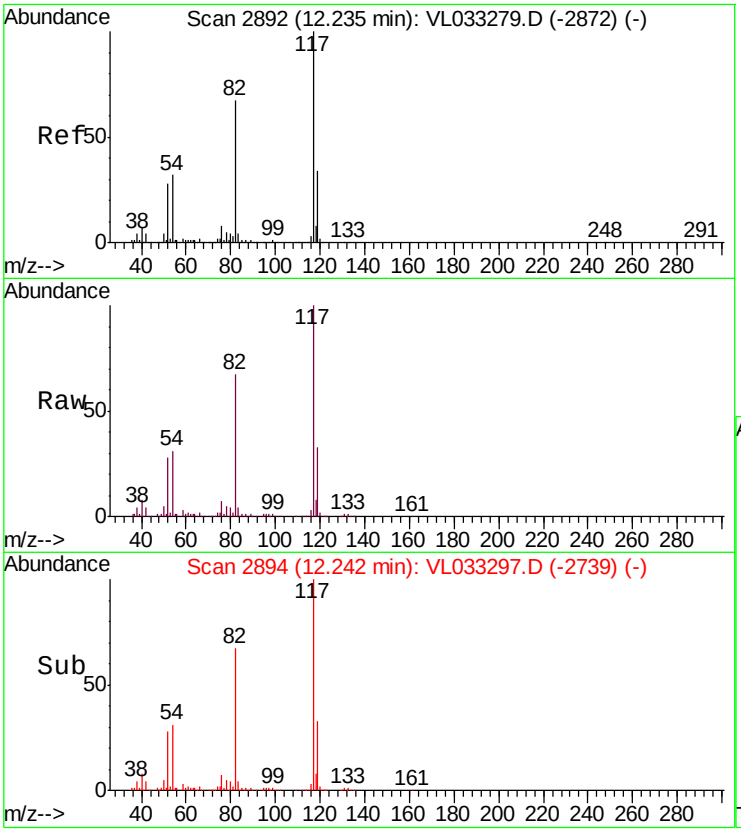


#54
1,2-Dibromoethane
Concen: 10.124 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:107 Resp: 1134243

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.2	111.2



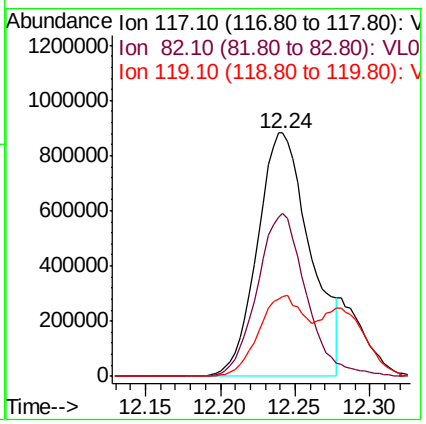


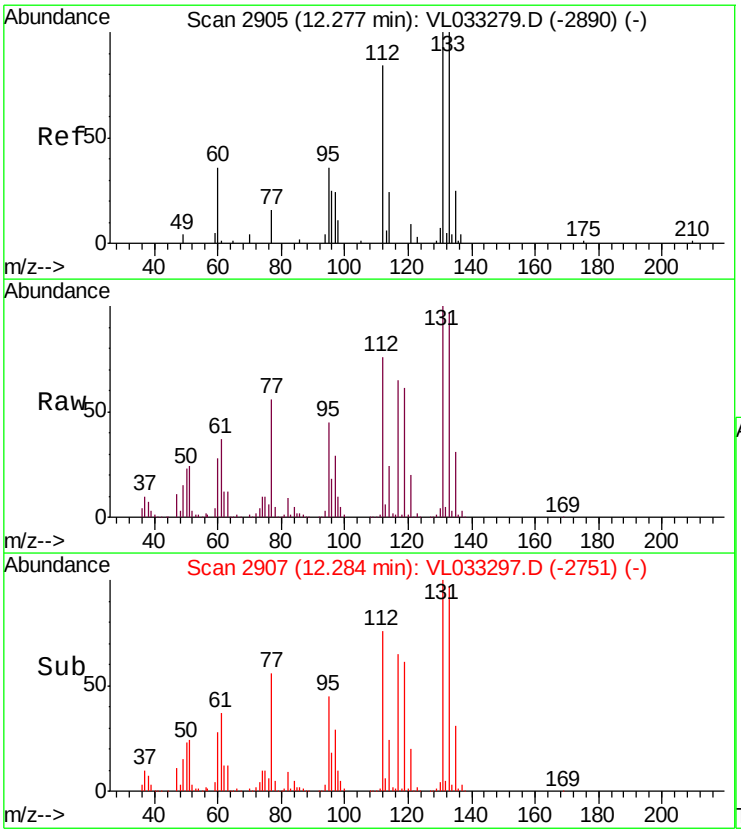
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 2159013

Ion	Ratio	Lower	Upper
117	100		
82	62.6	51.1	76.7
119	29.3	43.6	65.4#

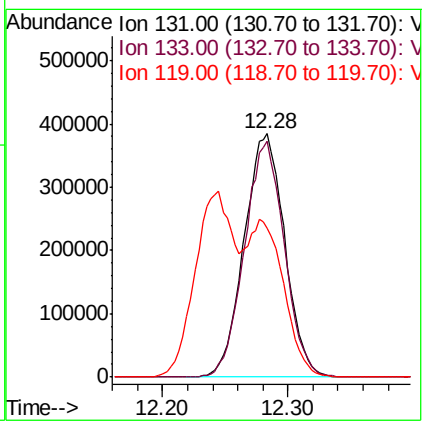


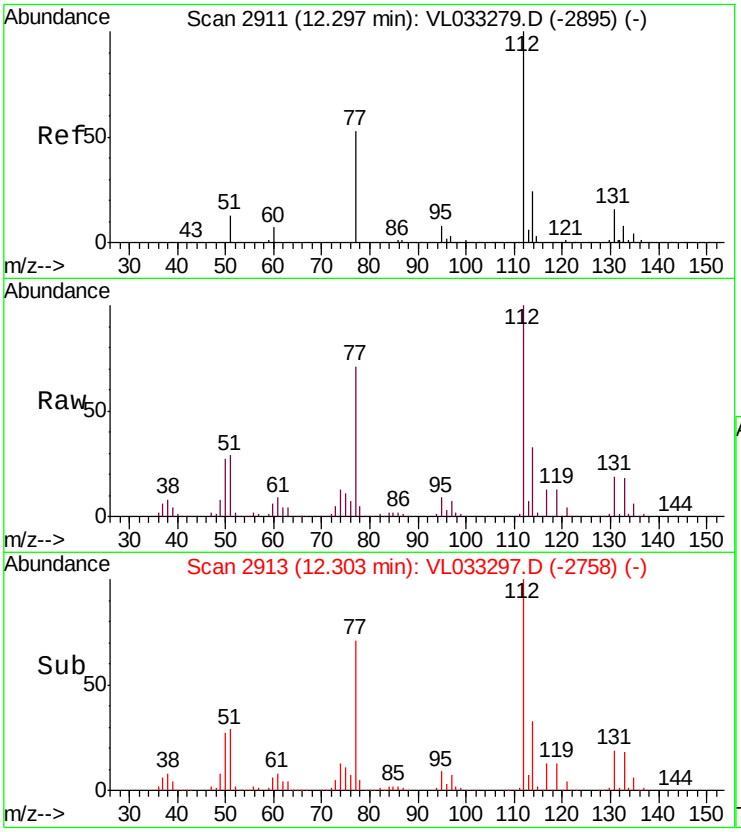


#56
1,1,1,2-Tetrachloroethane
Concen: 9.419 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:131 Resp: 864388

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.4
119	56.5	110.3	165.5#



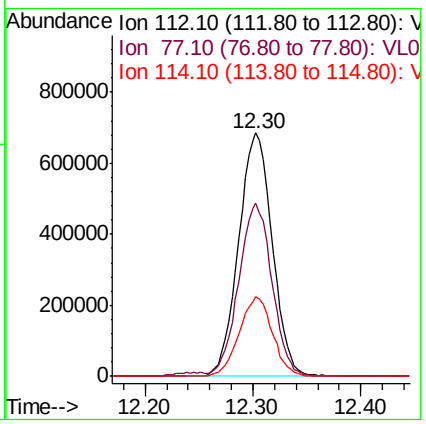


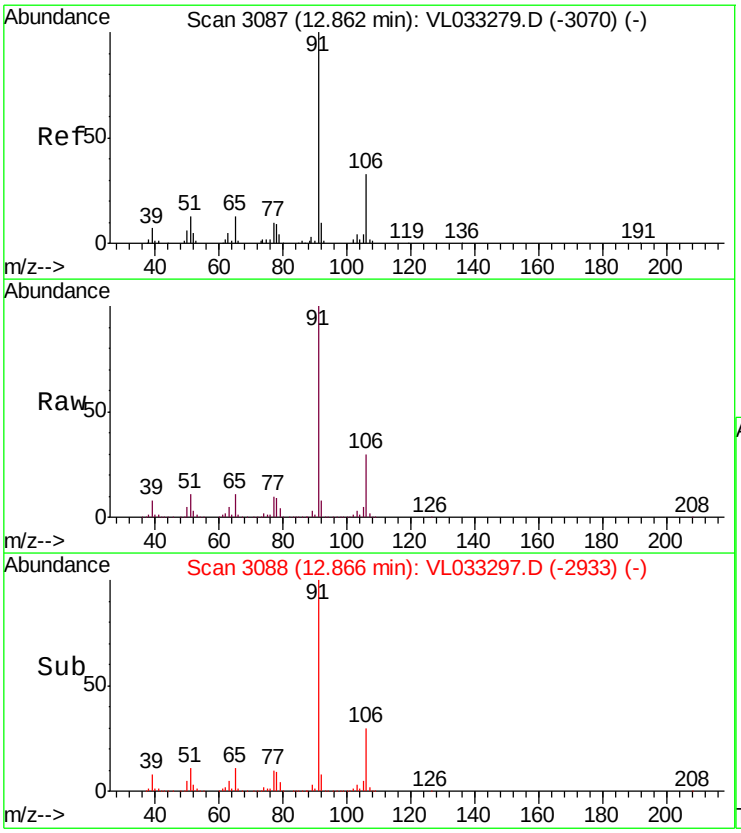
#57
Chlorobenzene
Concen: 9.133 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 1487026

Ion	Ratio	Lower	Upper
112	100		
77	70.9	55.8	83.8
114	32.6	29.5	36.1

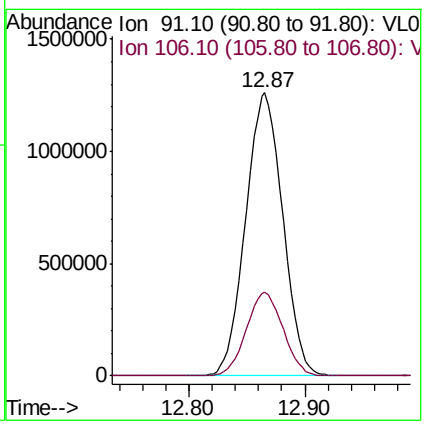


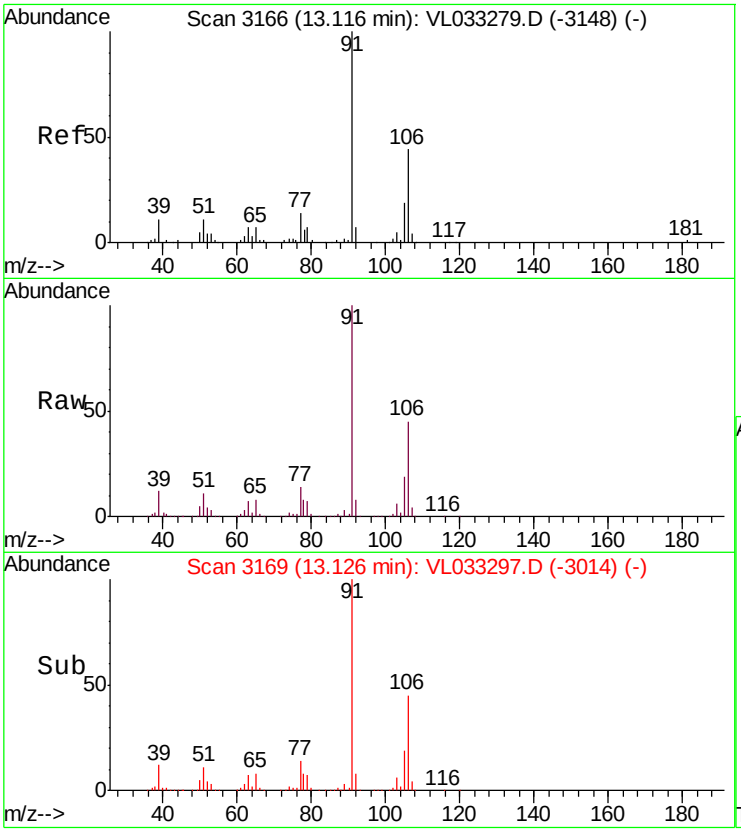


#58
Ethyl Benzene
Concen: 9.462 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 2807344

Ion	Ratio	Lower	Upper
91	100		
106	29.7	22.5	33.7



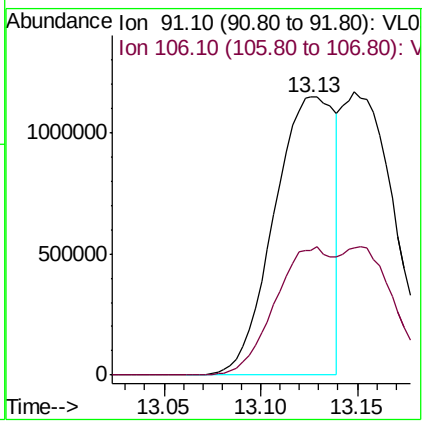


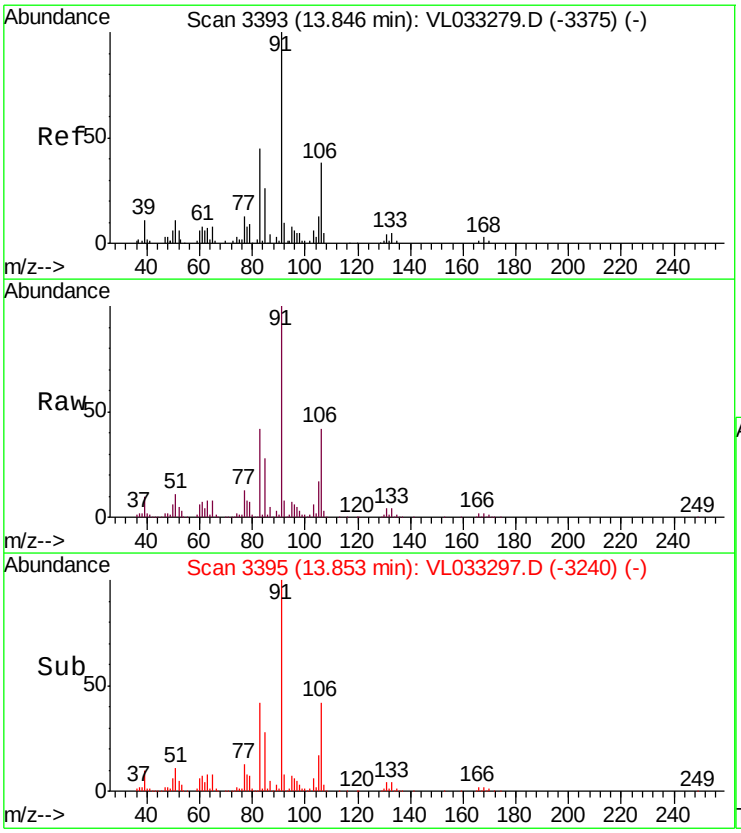
#59
m/p-Xylene
Concen: 9.991 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 2478877

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

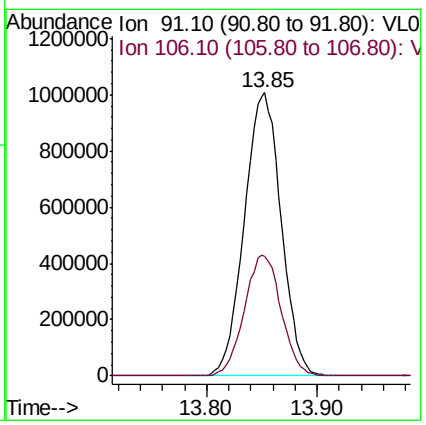


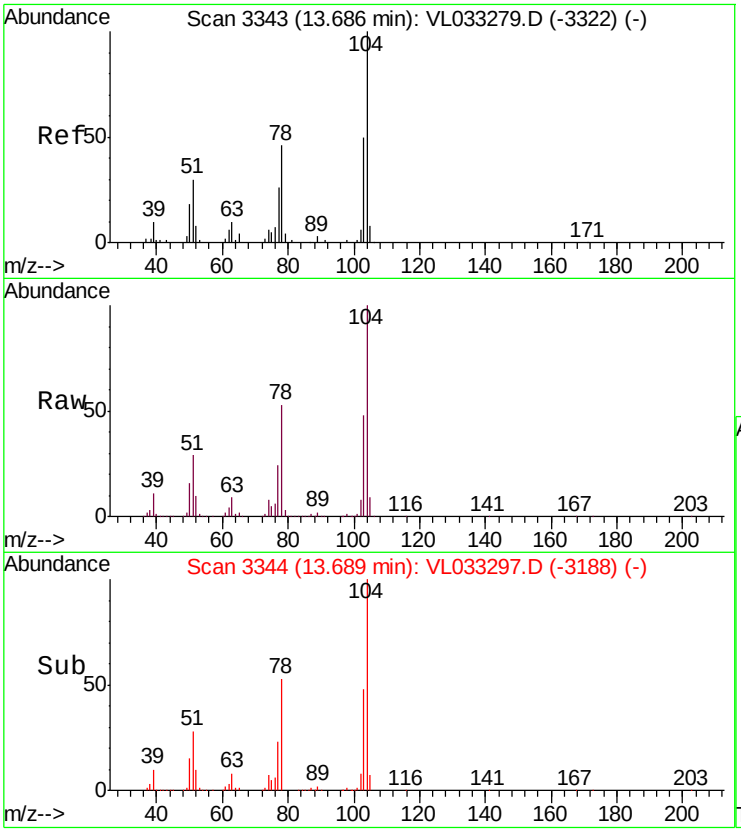


#60
o-Xylene
Concen: 9.738 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 2322791

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.3	63.7



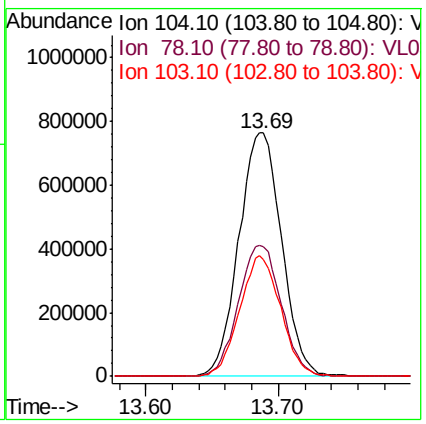


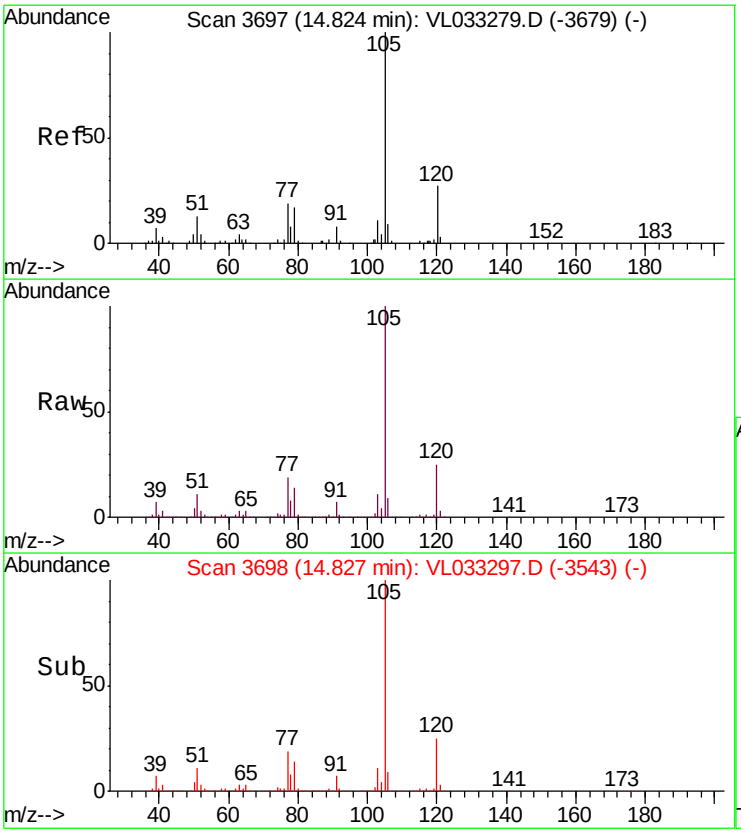
#61
Styrene
Concen: 10.091 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:104 Resp: 1714329

Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.3	64.9
103	47.8	38.0	57.0

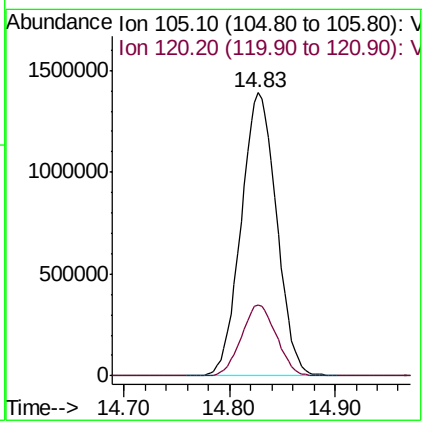


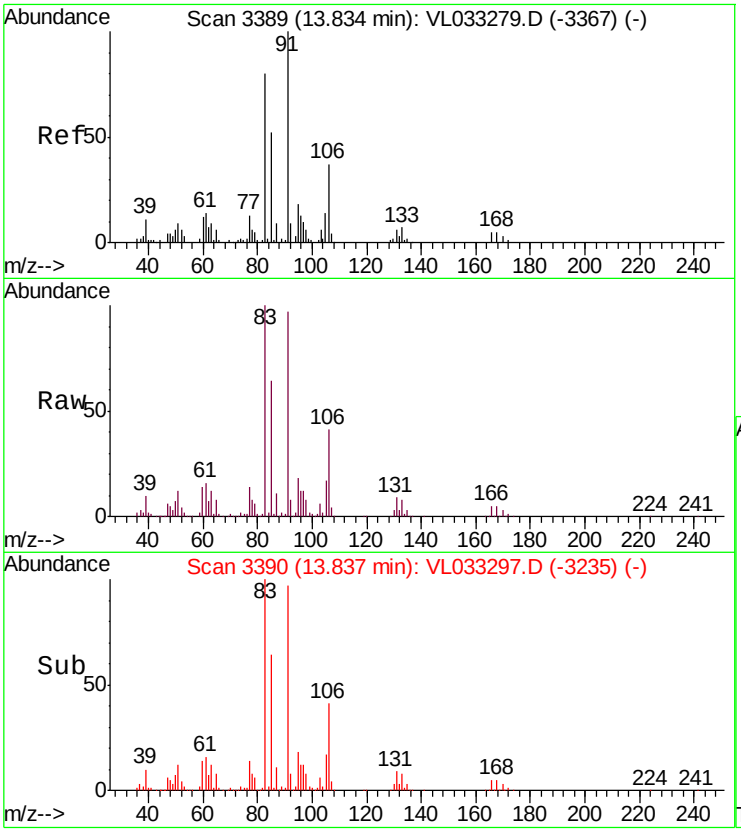


#62
Isopropylbenzene
Concen: 9.775 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:105 Resp: 3248872

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.0	30.0



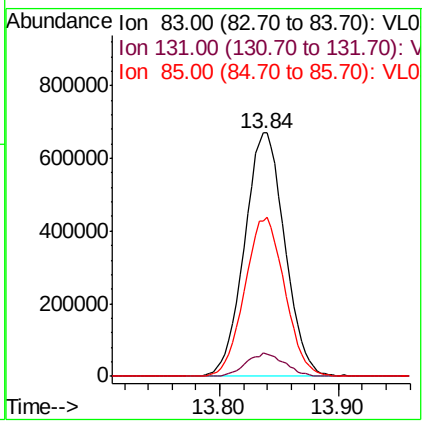


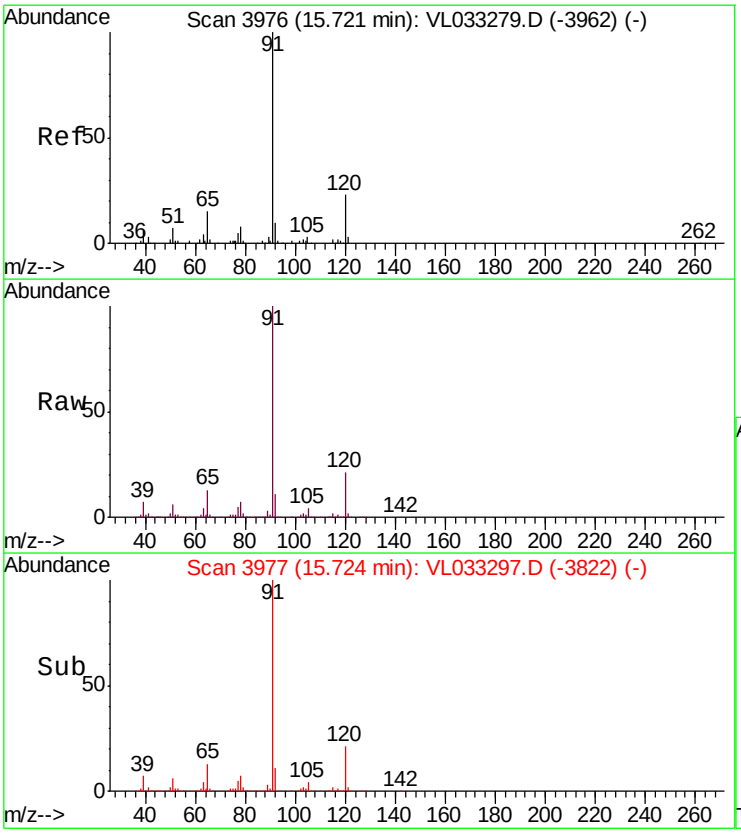
#63
1,1,2,2-Tetrachloroethane
Concen: 9.811 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1568842

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.7
85	65.0	32.2	96.6

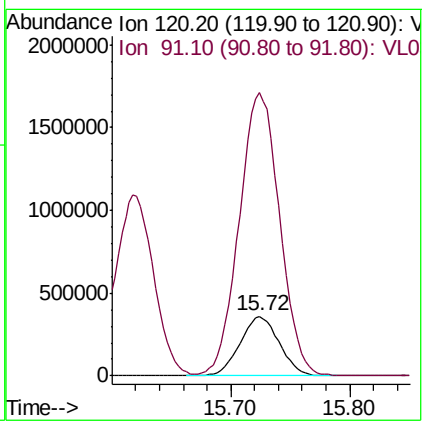


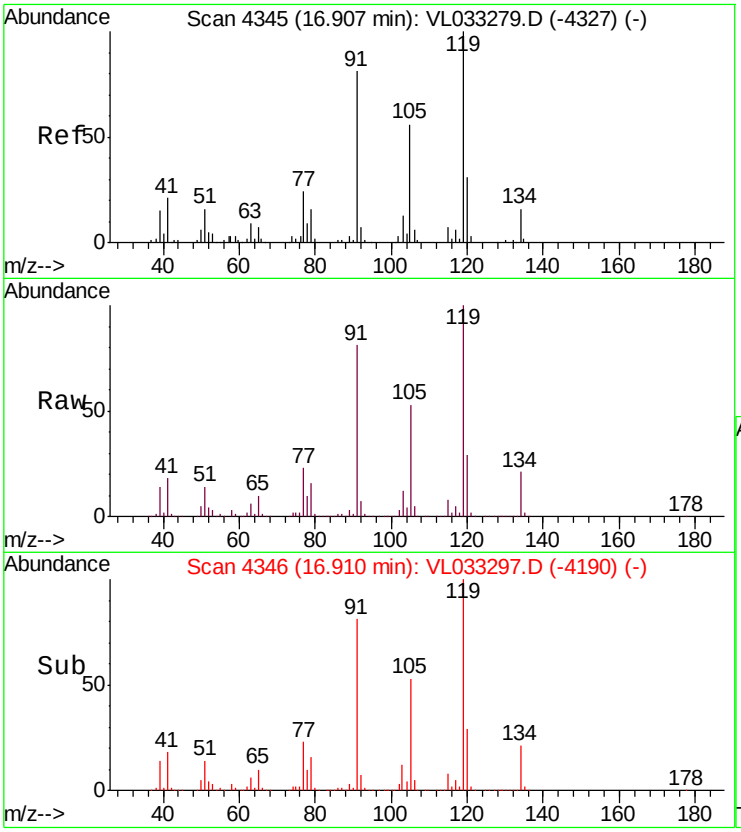


#64
n-propylbenzene
Concen: 10.061 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:120 Resp: 822821

Ion	Ratio	Lower	Upper
120	100		
91	490.9	385.8	578.8



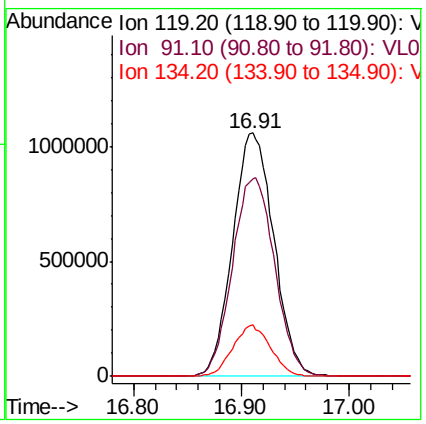


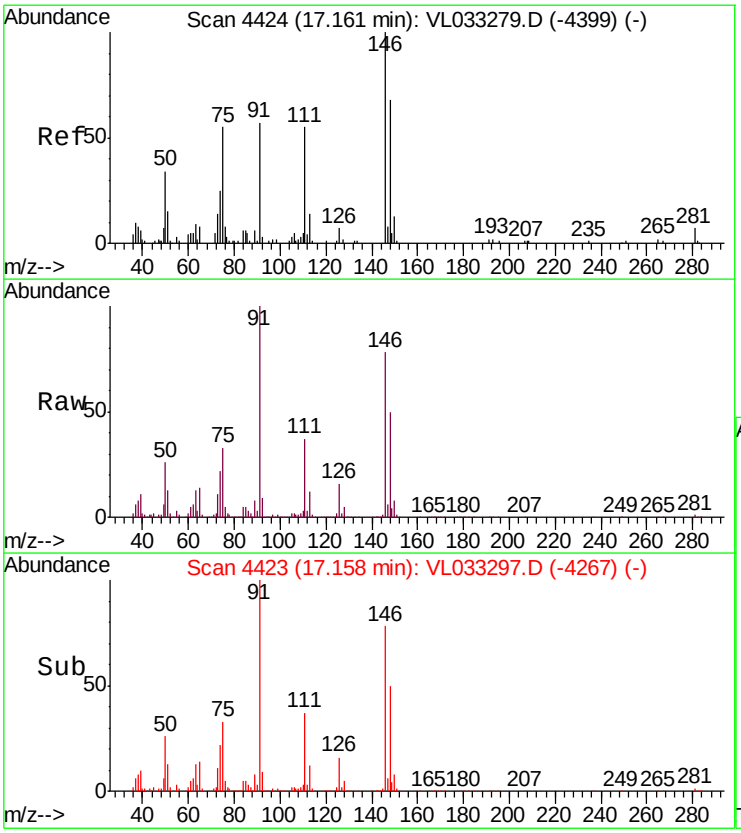
#65
tert-Butylbenzene
Concen: 10.016 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 2809923

Ion	Ratio	Lower	Upper
119	100		
91	83.8	67.3	100.9
134	19.3	15.4	23.2

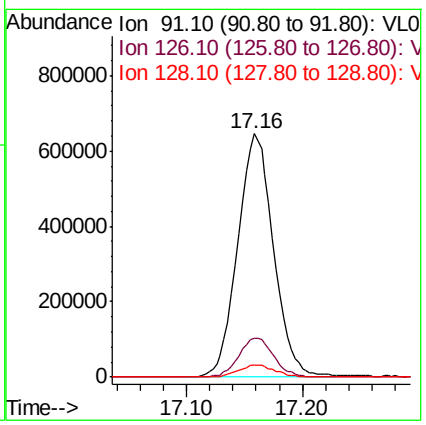


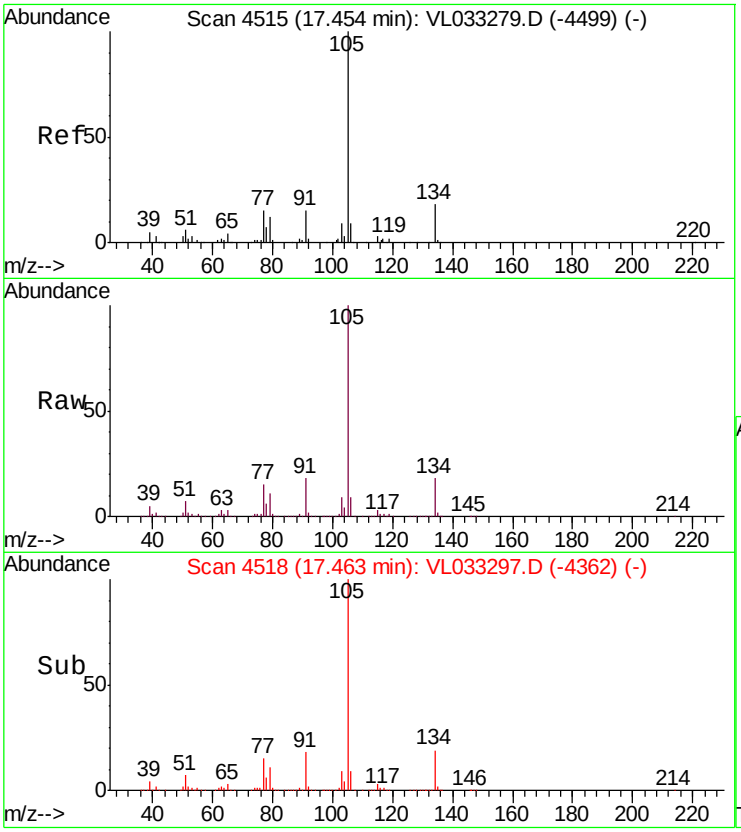


#66
Benzyl Chloride
Concen: 12.777 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 1388460

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



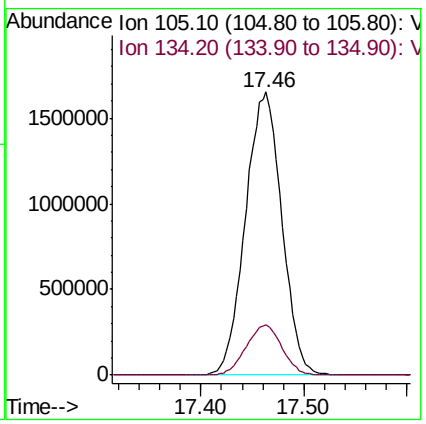


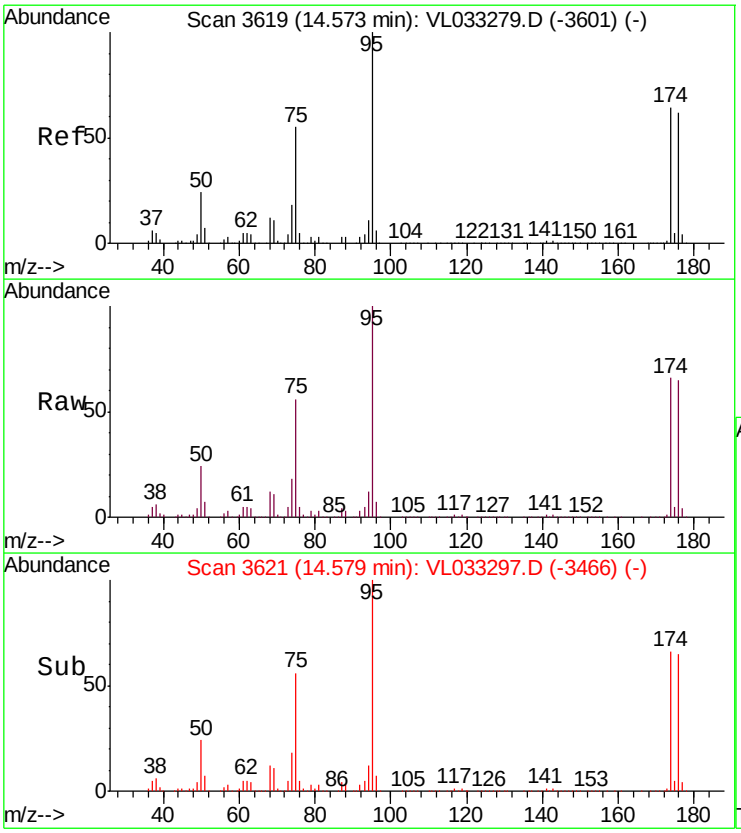
#67
sec-Butylbenzene
Concen: 10.098 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 4032329

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.2

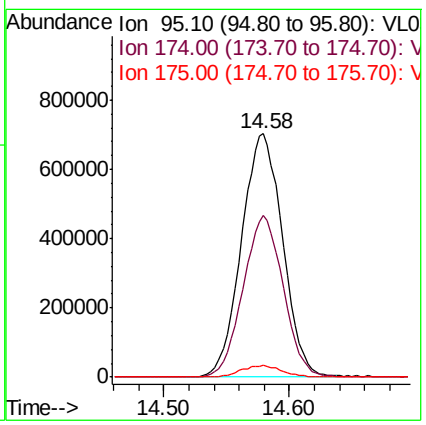


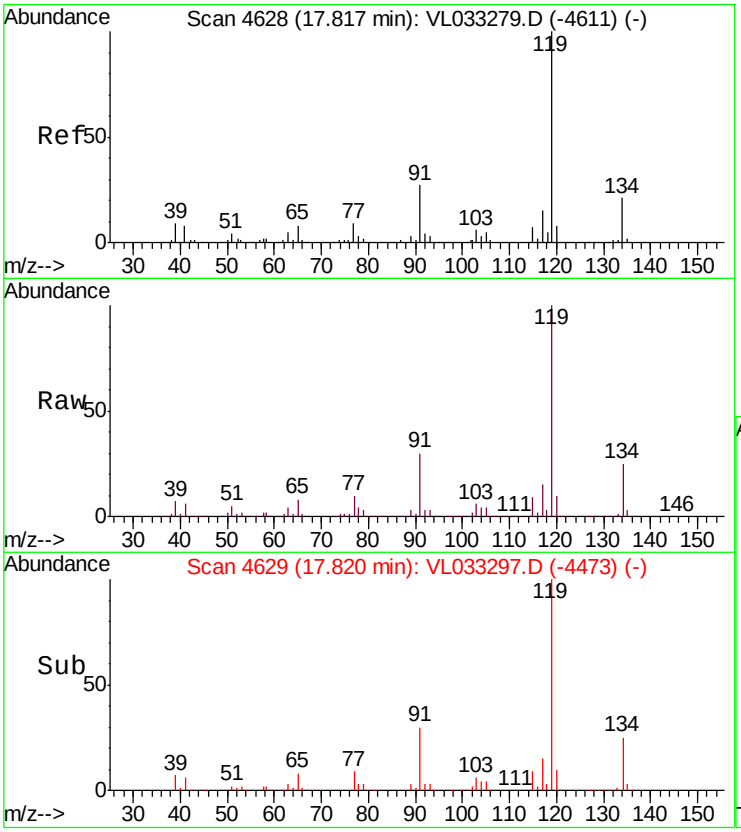


#68
1-Bromo-4-Fluorobenzene
Concen: 9.616 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 95 Resp: 1603188

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.7	77.5
175	4.8	3.7	5.5



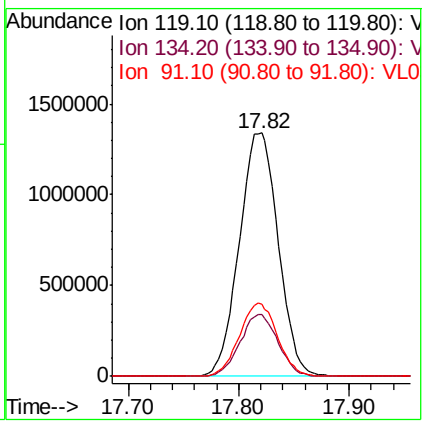


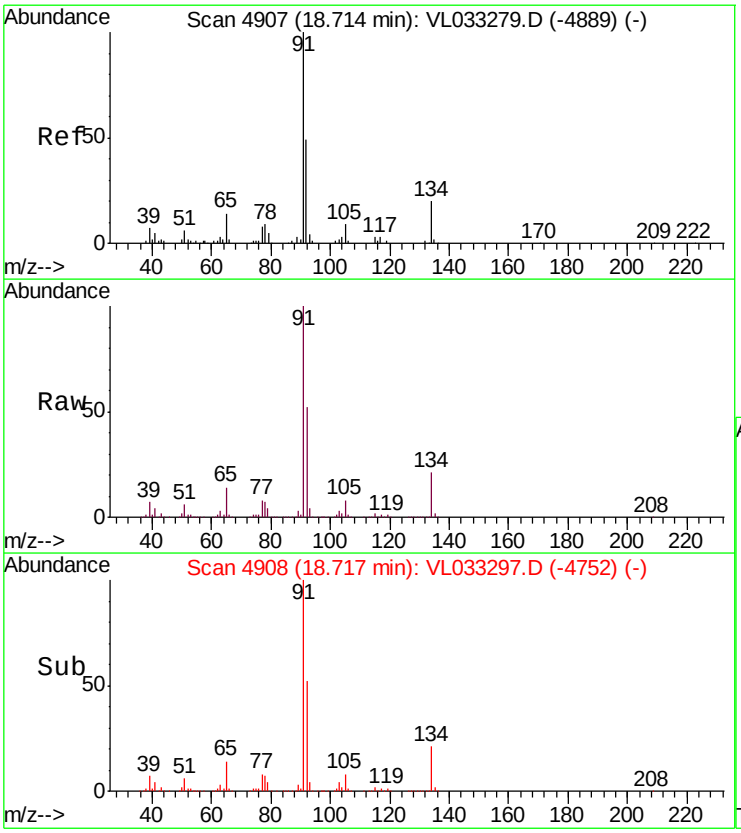
#69
p-Isopropyltoluene
Concen: 10.137 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3269982

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.7	29.5
91	29.4	23.5	35.3

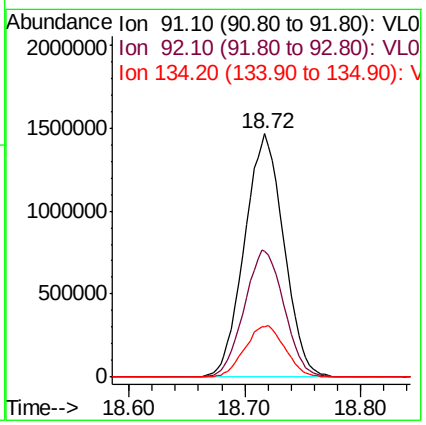


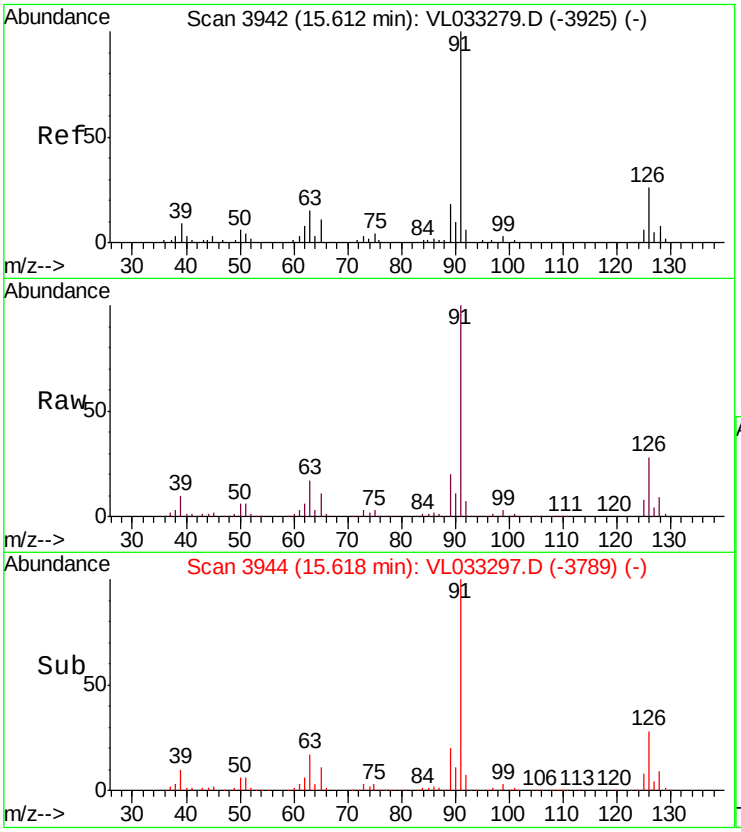


#70
n-Butylbenzene
Concen: 9.963 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 3451033

Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.4	63.6
134	21.7	17.1	25.7



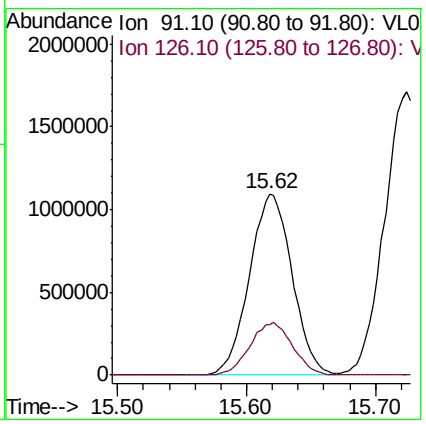


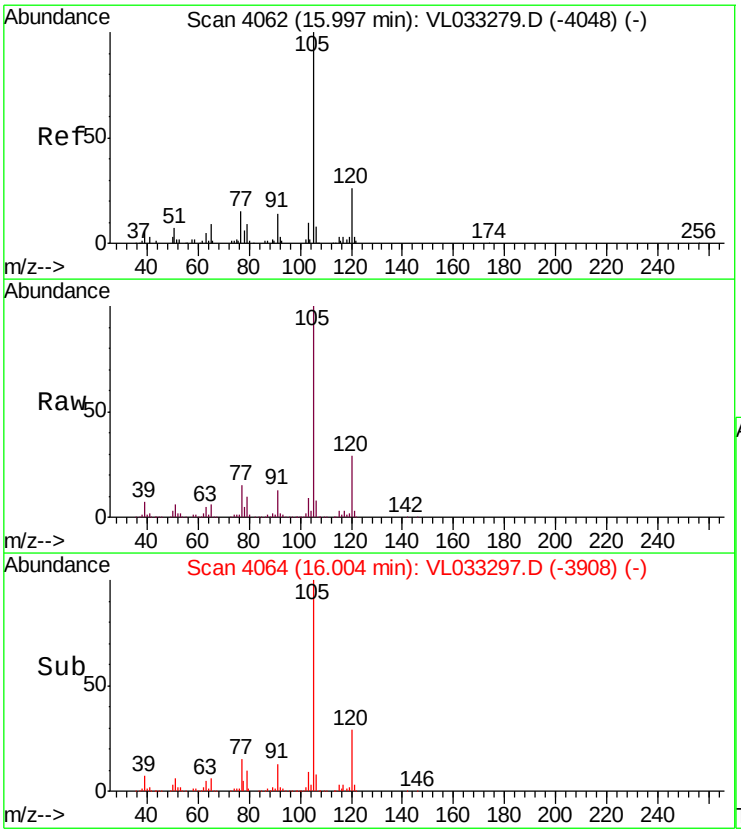
#71
2-Chlorotoluene
Concen: 10.078 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2524856

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.7	46.7

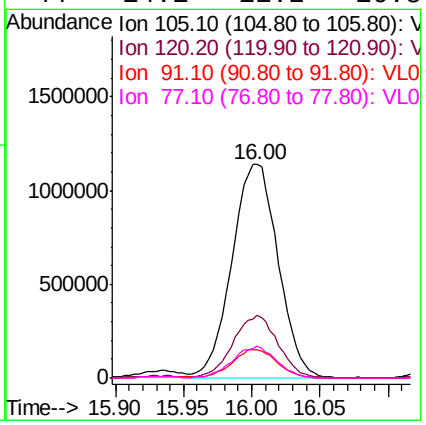


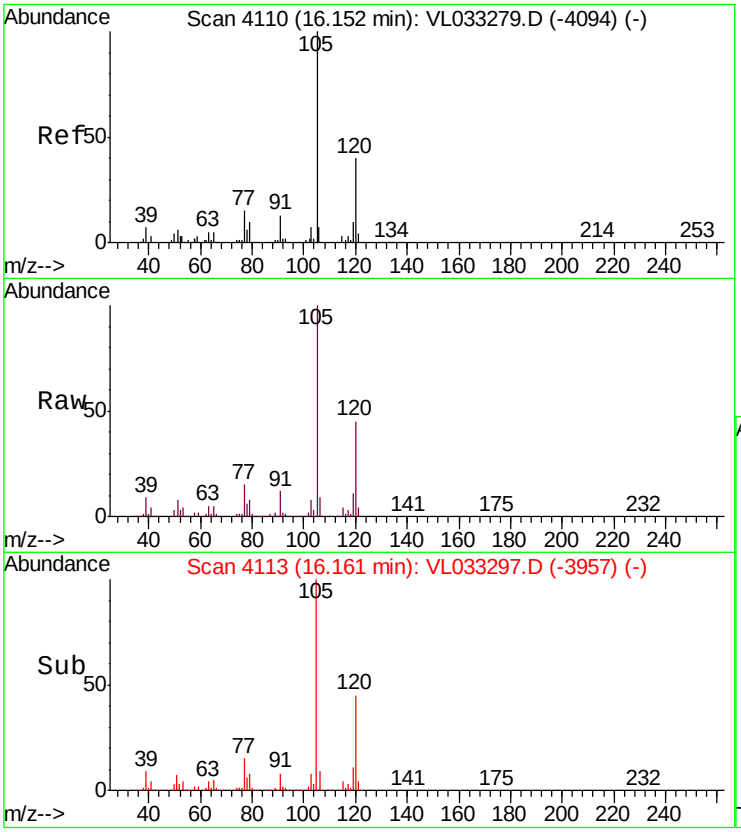


#72
4-Ethyltoluene
Concen: 10.354 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:105 Resp: 2667896

Ion	Ratio	Lower	Upper
105	100		
120	28.7	22.9	34.3
91	12.9	10.2	15.2
77	14.1	11.2	16.8



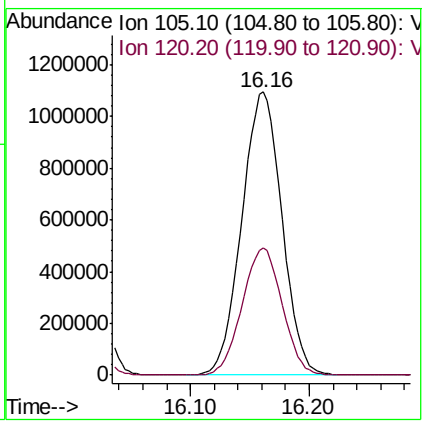


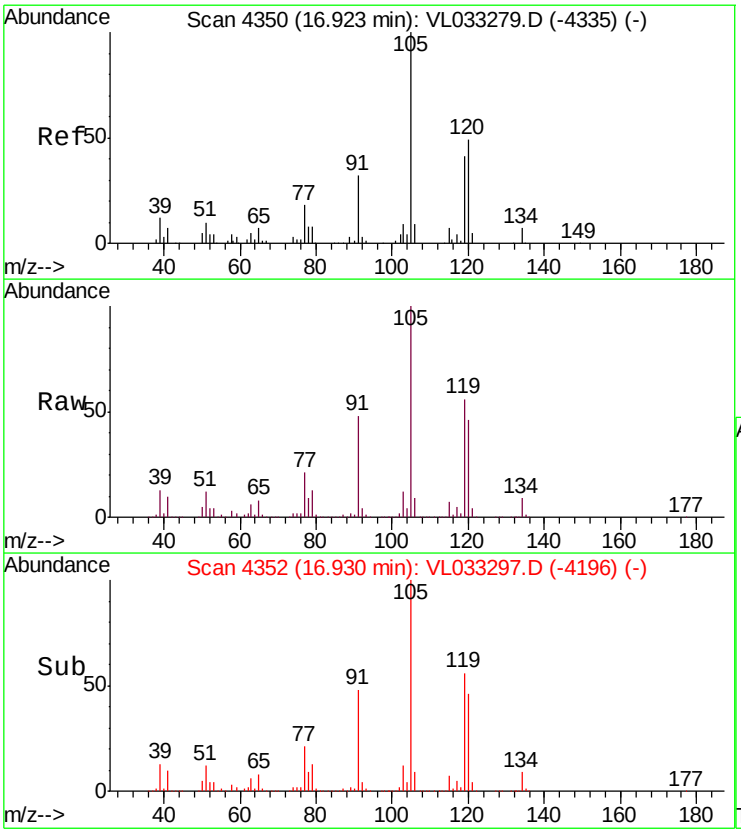
#73
1,3,5-Trimethylbenzene
Concen: 10.474 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 2543049

Ion	Ratio	Lower	Upper
105	100		
120	45.0	35.1	52.7

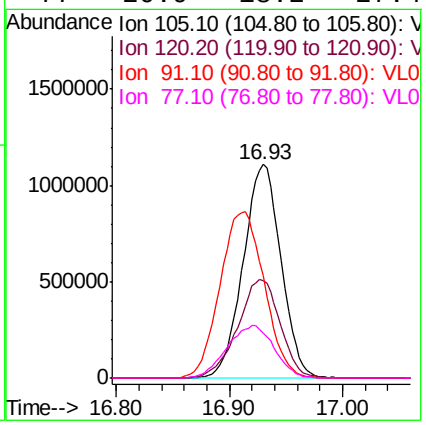


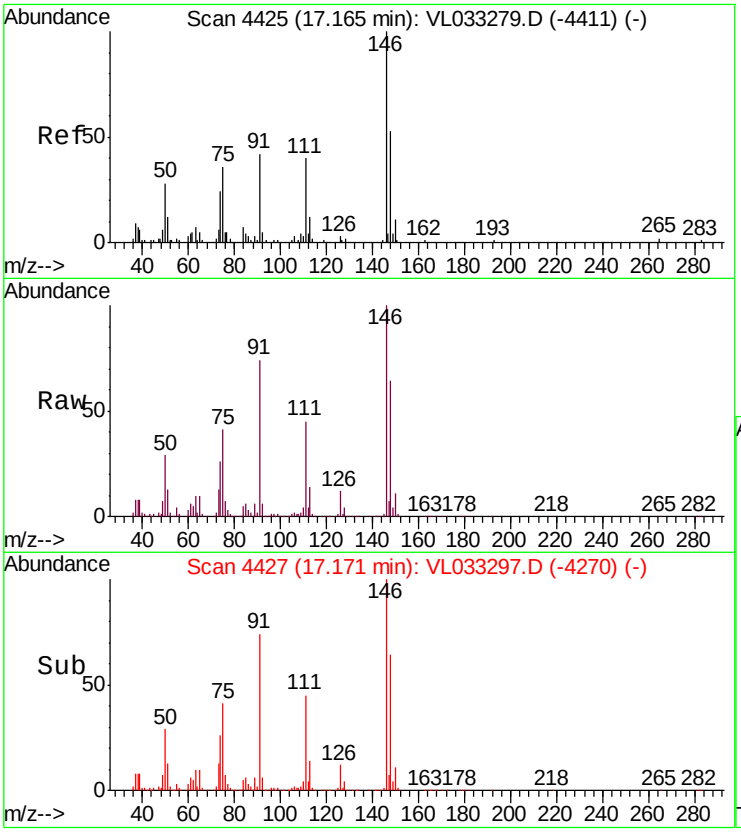


#74
1,2,4-Trimethylbenzene
Concen: 10.401 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:105 Resp: 2571850

Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.1	54.1
91	47.6	38.6	58.0
77	20.9	18.2	27.4



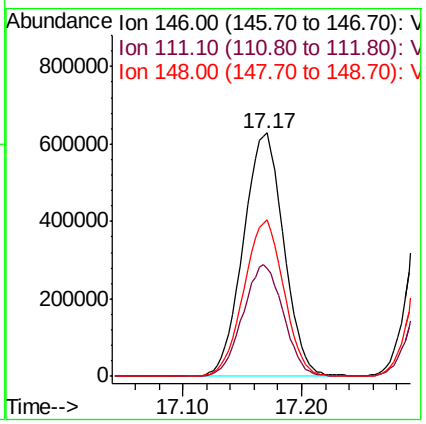


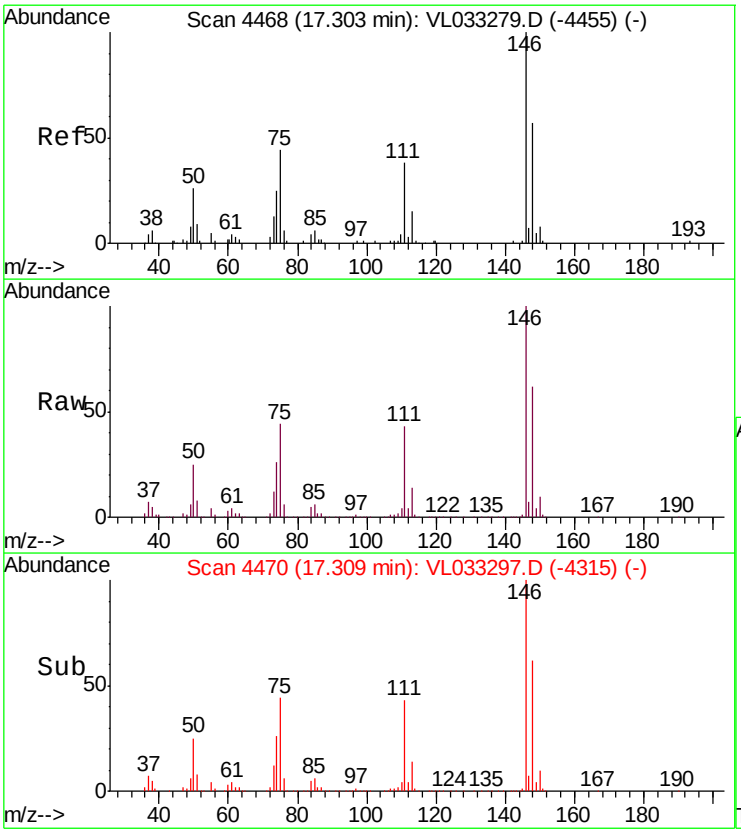
#75
1,3-Dichlorobenzene
Concen: 9.958 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1475746

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.8	68.4
148	63.6	31.8	95.3

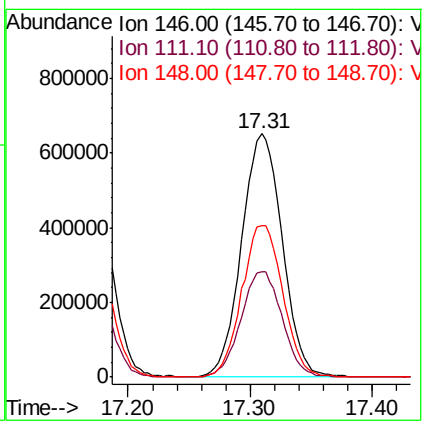


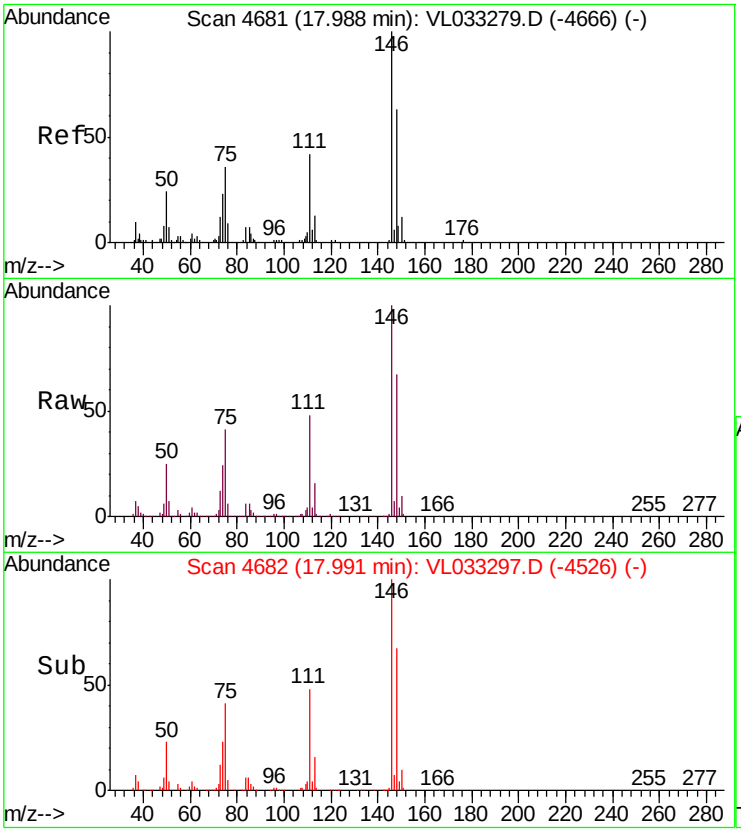


#76
1,4-Dichlorobenzene
Concen: 10.159 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:146 Resp: 1488868

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.1
148	63.6	31.8	95.3



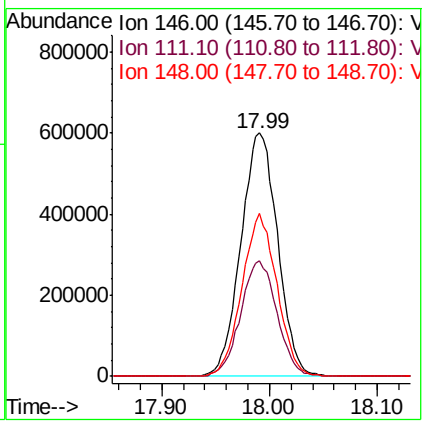


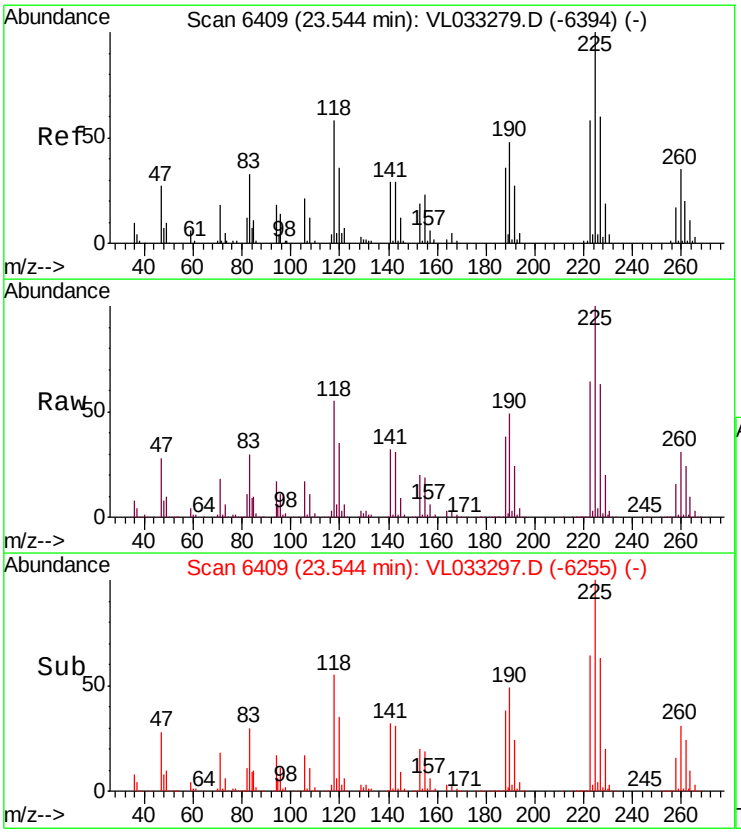
#77
1,2-Dichlorobenzene
Concen: 9.645 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:146 Resp: 1422988

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.5	70.5
148	63.8	31.7	95.1

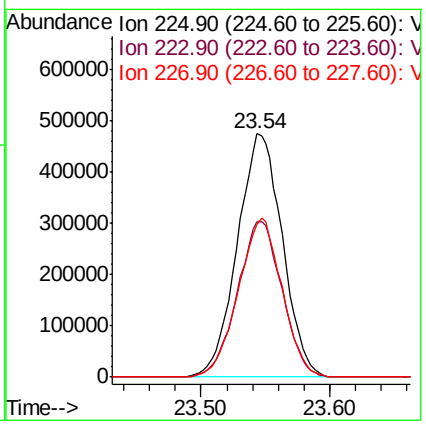


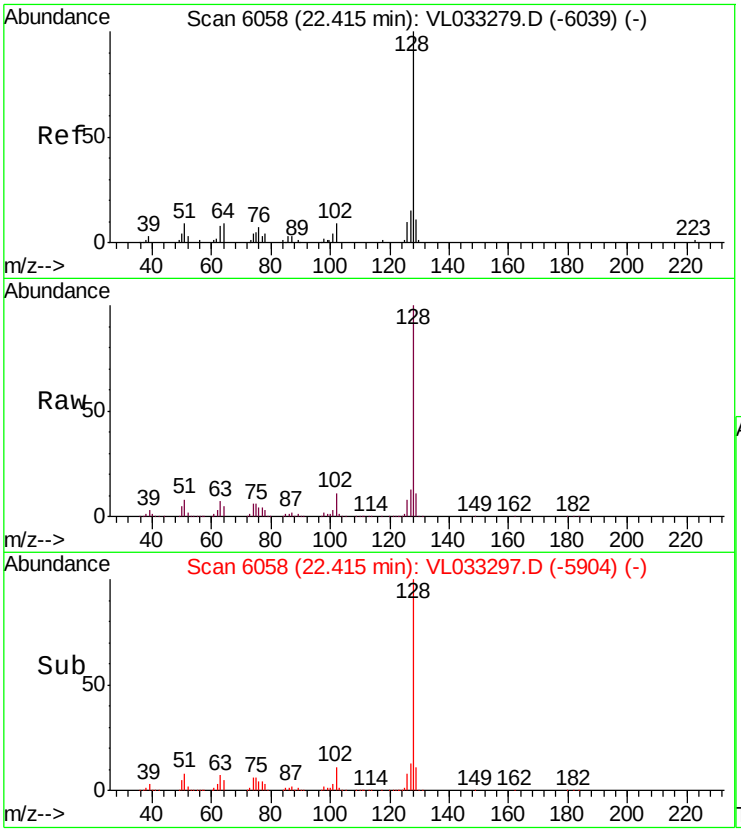


#78
Hexachloro-1,3-Butadiene
Concen: 9.341 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:225 Resp: 1148094

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.3	75.5
227	63.5	51.1	76.7



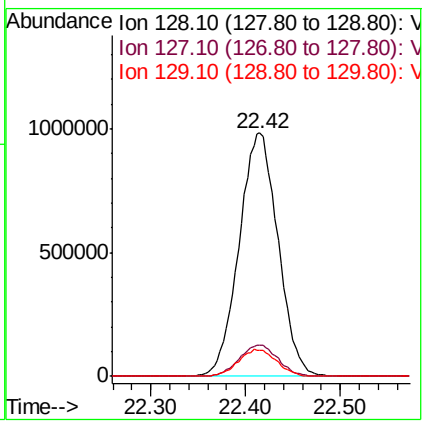


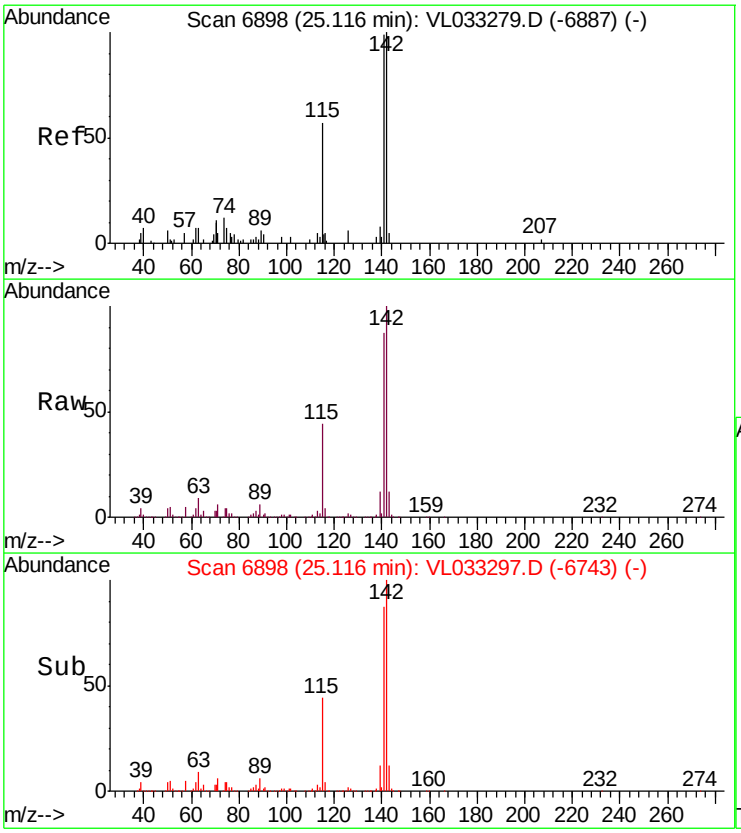
#79
Naphthalene
Concen: 10.467 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 2801931

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.4	12.6

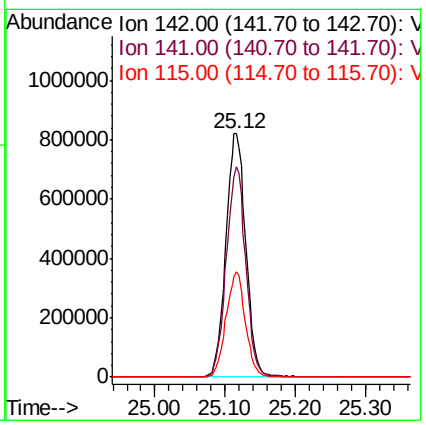


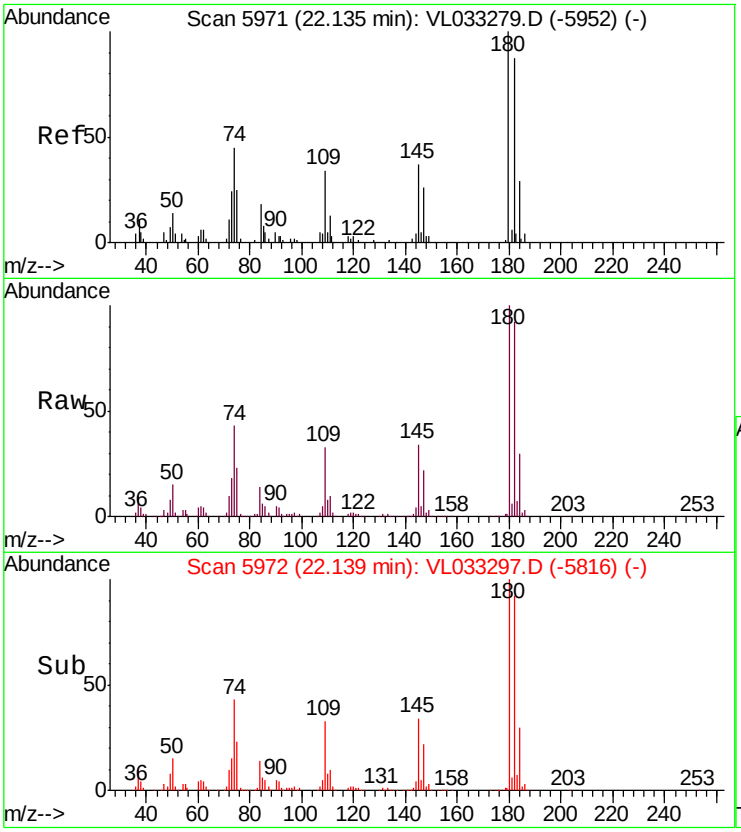


#80
Naphthalene,2-methyl-
Concen: 22.156 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:142 Resp: 1624987

Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.0	102.0
115	42.1	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 9.522 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1341897

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
184	30.4	24.2	36.4