Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061319\
Data File : VL033899.D
Acq On : 13 Jun 2019 14:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jun 14 05:31:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	998904	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2515633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	3153097	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1975862	7.63	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 76.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1261512	7.783	ppbv	98
3) Chlorodifluoromethane	3.01	51	1137137	9.670	ppbv	99
4) Chloromethane	3.16	50	661180	9.857	ppbv	100
5) Vinyl Chloride	3.28	62	673065	10.815	ppbv	98
6) Bromomethane	3.51	94	426057	10.304	ppbv	92
7) Chloroethane	3.59	64	257678	10.469	ppbv	97
8) Dichlorotetrafluoroethane	3.21	85	1695161	9.786	ppbv	98
9) Propene	3.03	41	491597	11.172	ppbv	100
10) Heptane	8.23	43	1340852	12.056	ppbv	100
11) Trichlorofluoromethane	3.99	101	2083604	9.962	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1397211	9.885	ppbv	99
13) Ethanol	3.64	45	126111	8.809	ppbv	100
14) Bromoethene	3.78	108	579048	10.994	ppbv	100
15) Acetone	3.89	43	1293848	8.881	ppbv	99
16) 1,3-Butadiene	3.35	39	572395	10.323	ppbv	97
17) tert-Butyl alcohol	4.35	59	1377149	12.092	ppbv	100
18) 1,1-Dichloroethene	4.34	96	631887	10.584	ppbv	97
19) Isopropyl Alcohol	4.01	45	1039791	12.494	ppbv	99
20) Methylene Chloride	4.40	84	519052	9.136	ppbv	97
21) Allyl Chloride	4.47	41	910571	11.003	ppbv	99
22) trans-1,2-Dichloroethene	4.95	96	653134	10.378	ppbv	98
23) Vinyl Acetate	5.14	43	1896037	11.197	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1351591	10.262	ppbv	99
25) Ethyl Acetate	5.76	43	2285060	10.299	ppbv	99
26) Hexane	5.77	57	1000054	9.900	ppbv	100
27) Carbon Disulfide	4.61	76	1594271	11.360	ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1806045	11.823	ppbv	100
29) Chloroform	5.84	83	1741644	10.067	ppbv	98
30) Cyclohexane	7.23	84	900873	12.622	ppbv	99
31) cis-1,2-Dichloroethene	5.63	61	1056791	11.930	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	1820932	10.911	ppbv	100
34) 2-Butanone	5.32	43	1483777	10.455	ppbv	99
35) Carbon Tetrachloride	7.12	117	2079683	10.700	ppbv	99
36) Benzene	6.99	78	2230515	11.607	ppbv	100
37) 1,2-Dichloroethane	6.40	62	1350733	9.504	ppbv	99
38) Trichloroethene	7.95	130	937893	12.535	ppbv	97
39) 1,2-Dichloropropane	7.72	63	834299	11.249	ppbv	93
40) 1,4-Dioxane	7.94	88	384222	12.702	ppbv	90
41) Tetrahydrofuran	6.14	42	838911	11.646	ppbv	99
42) Bromodichloromethane	7.91	83	2088116	10.995	ppbv	98
43) Methyl Methacrylate	8.12	69	895677	12.462	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061319\
Data File : VL033899.D
Acq On : 13 Jun 2019 14:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jun 14 05:31:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3752452	10.981	ppbv		99
45) t-1,3-Dichloropropene	9.40	75	1183449	12.549	ppbv		99
46) cis-1,3-Dichloropropene	8.82	75	1319568	12.213	ppbv		99
47) 1,1,2-Trichloroethane	9.60	97	887732	10.040	ppbv		99
48) Dibromochloromethane	10.44	129	1690991	10.642	ppbv		100
49) Bromoform	13.19	173	1533841	10.935	ppbv		99
50) 4-Methyl-2-Pentanone	8.85	43	2253330	10.648	ppbv		100
51) 2-Hexanone	10.25	43	1834441	11.101	ppbv		99
52) Tetrachloroethene	11.36	164	810818	11.991	ppbv		98
53) Toluene	9.93	91	2464588	11.590	ppbv		99
54) 1,2-Dibromoethane	10.74	107	1405076	10.542	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.26	131	1162047	8.436	ppbv		98
57) Chlorobenzene	12.29	112	2006139	8.495	ppbv		97
58) Ethyl Benzene	12.85	91	3339003	9.393	ppbv		98
59) m/p-Xylene	13.14	91	3022232	9.349	ppbv	#	39
60) o-Xylene	13.84	91	2854475	8.552	ppbv		99
61) Styrene	13.67	104	2156408	9.983	ppbv		99
62) Isopropylbenzene	14.81	105	3937686	8.753	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.82	83	2037192	8.108	ppbv		99
64) n-propylbenzene	15.71	120	1012861	8.792	ppbv		98
65) tert-Butylbenzene	16.89	119	3604464	8.659	ppbv		100
66) Benzyl Chloride	17.14	91	2076038	9.842	ppbv		100
67) sec-Butylbenzene	17.44	105	5055114	8.657	ppbv		100
69) p-Isopropyltoluene	17.80	119	4316415	8.884	ppbv		100
70) n-Butylbenzene	18.70	91	4540256	8.532	ppbv		99
71) 2-Chlorotoluene	15.60	91	3054458	9.216	ppbv		100
72) 4-Ethyltoluene	15.98	105	3431722	9.035	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3261791	8.718	ppbv		98
74) 1,2,4-Trimethylbenzene	16.91	105	3547299	8.226	ppbv		98
75) 1,3-Dichlorobenzene	17.15	146	2095985	7.761	ppbv		99
76) 1,4-Dichlorobenzene	17.29	146	2081275	8.394	ppbv		100
77) 1,2-Dichlorobenzene	17.97	146	2023787	8.121	ppbv		99
78) Hexachloro-1,3-Butadiene	23.53	225	1349677	6.934	ppbv		99
79) Naphthalene	22.39	128	3123444	9.062	ppbv		99
80) Naphthalene,2-methyl-	25.10	142	1182299	8.597	ppbv		99
81) 1,2,4-Trichlorobenzene	22.12	180	1848653	8.495	ppbv		99

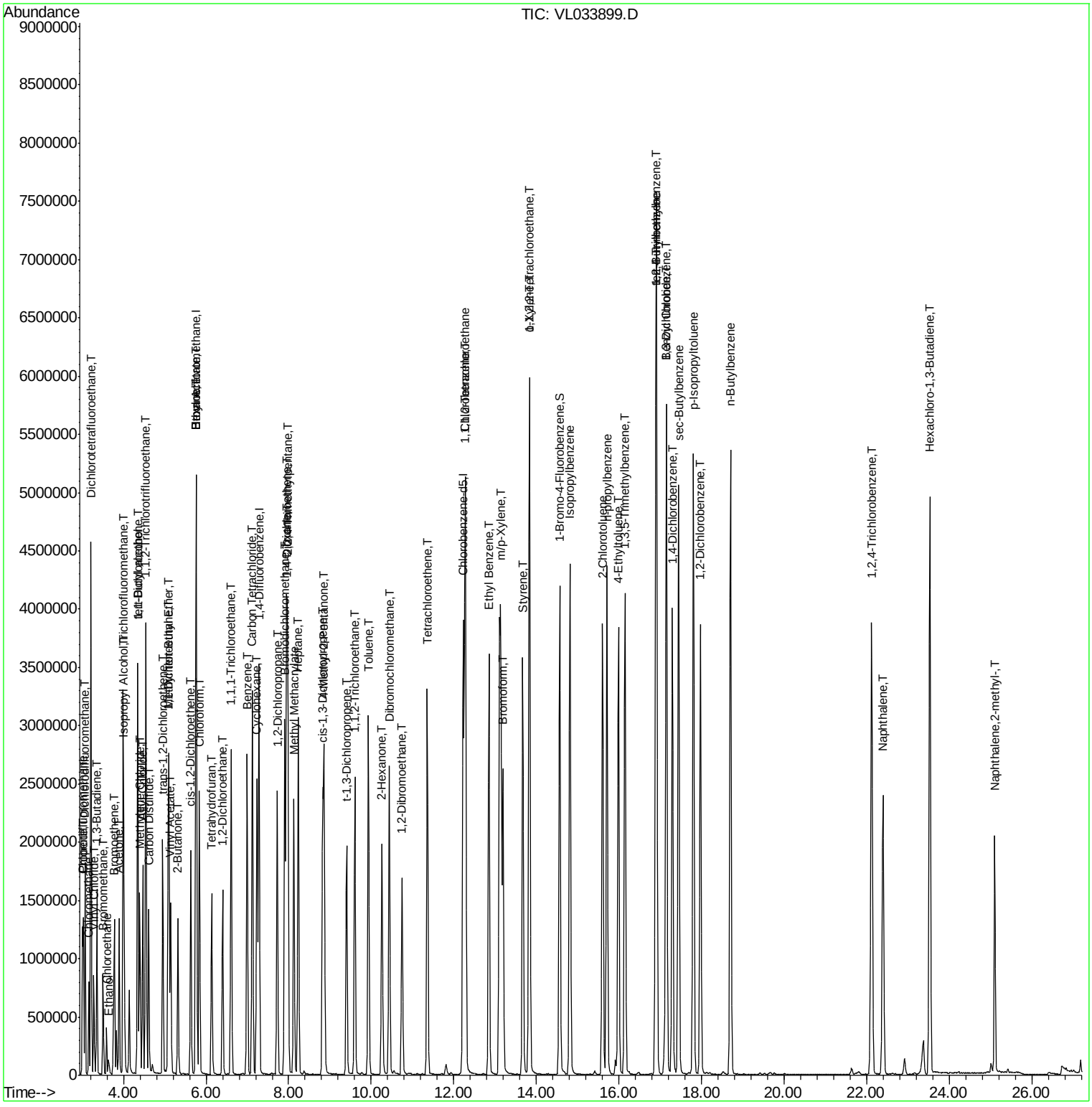
(#) = qualifier out of range (m) = manual integration (+) = signals summed

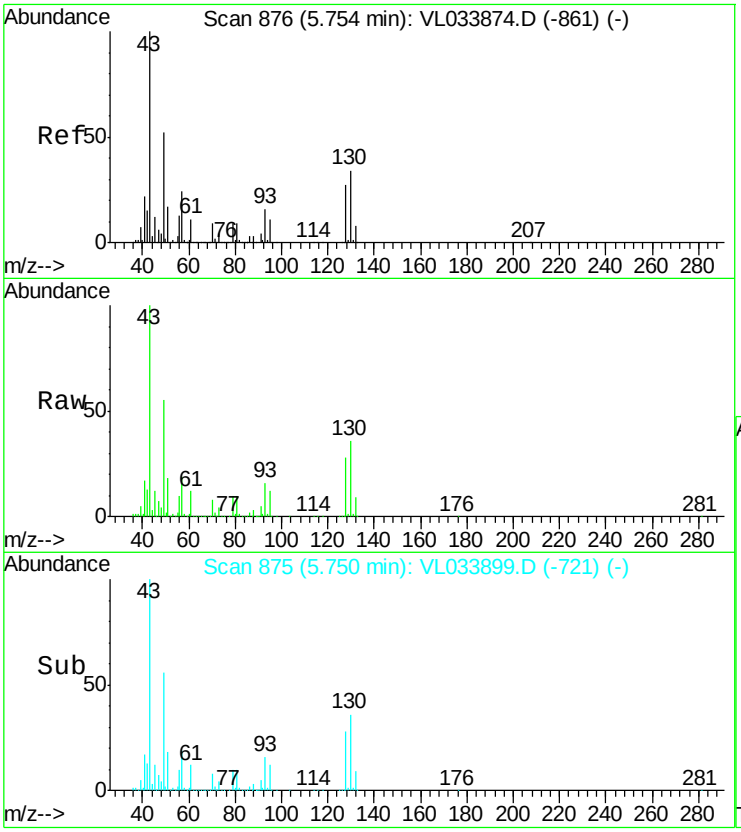
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061319\
Data File : VL033899.D
Acq On : 13 Jun 2019 14:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 14 05:31:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



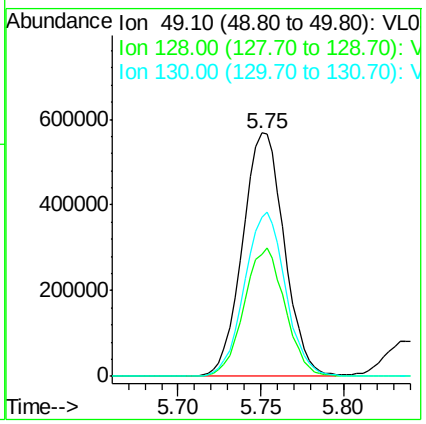


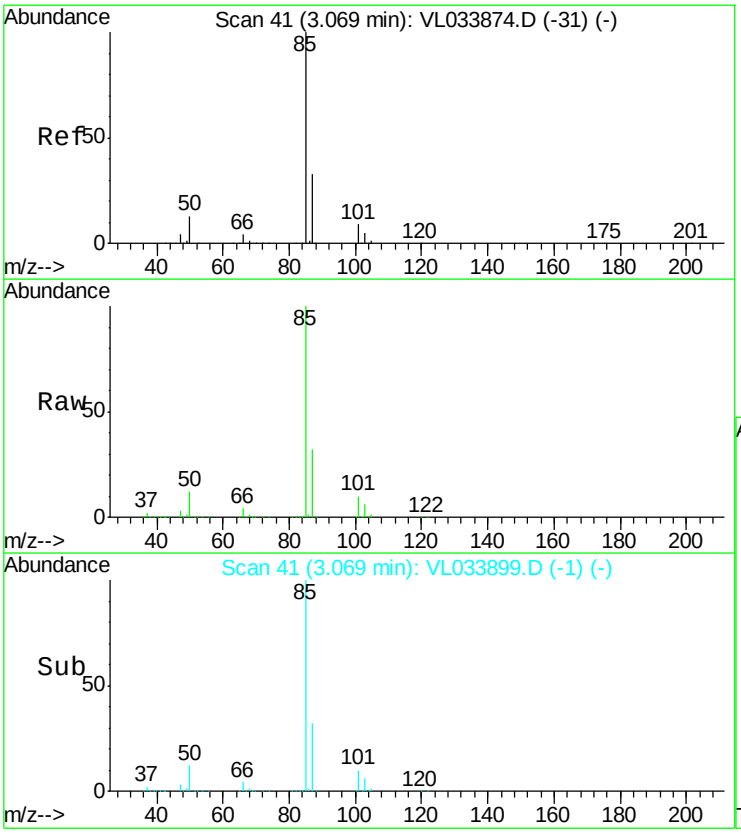
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 998904

Ion	Ratio	Lower	Upper
49	100		
128	51.9	25.5	76.5
130	66.4	32.5	97.4

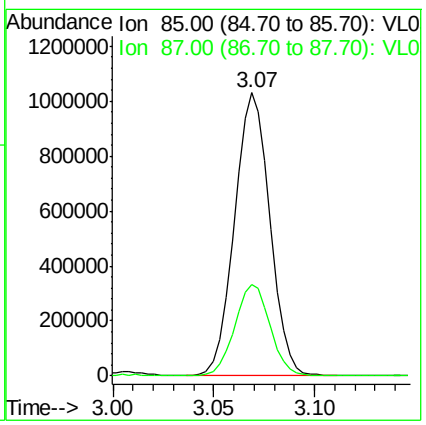


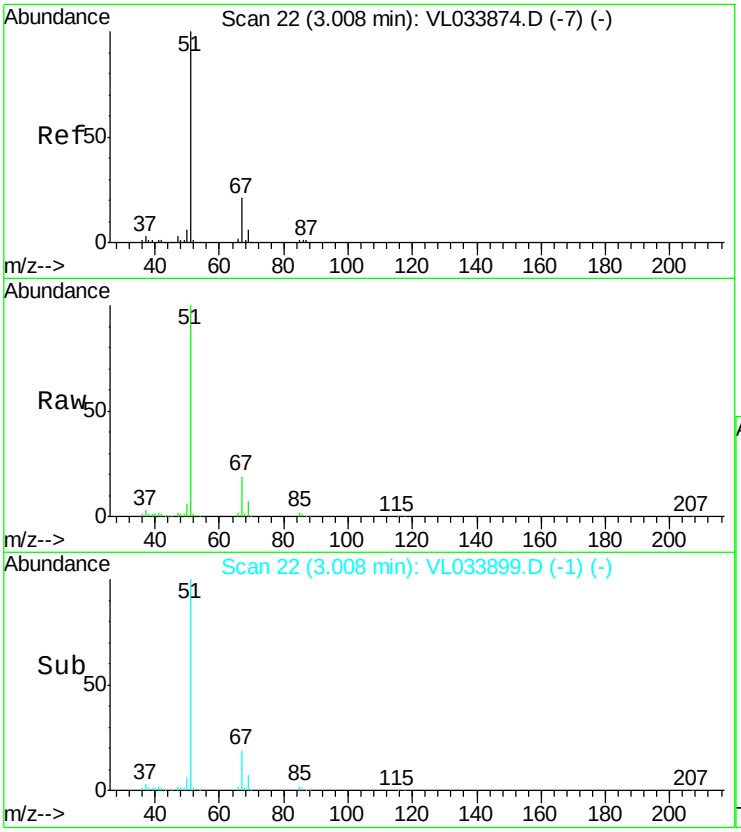


#2
Dichlorodifluoromethane
Concen: 7.783 ppbv
RT: 3.07 min Scan# 41
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 85 Resp: 1261512

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.6	40.0



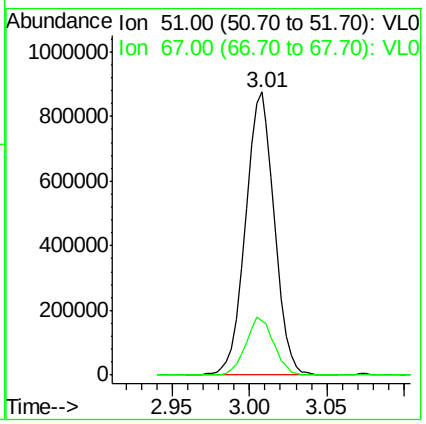


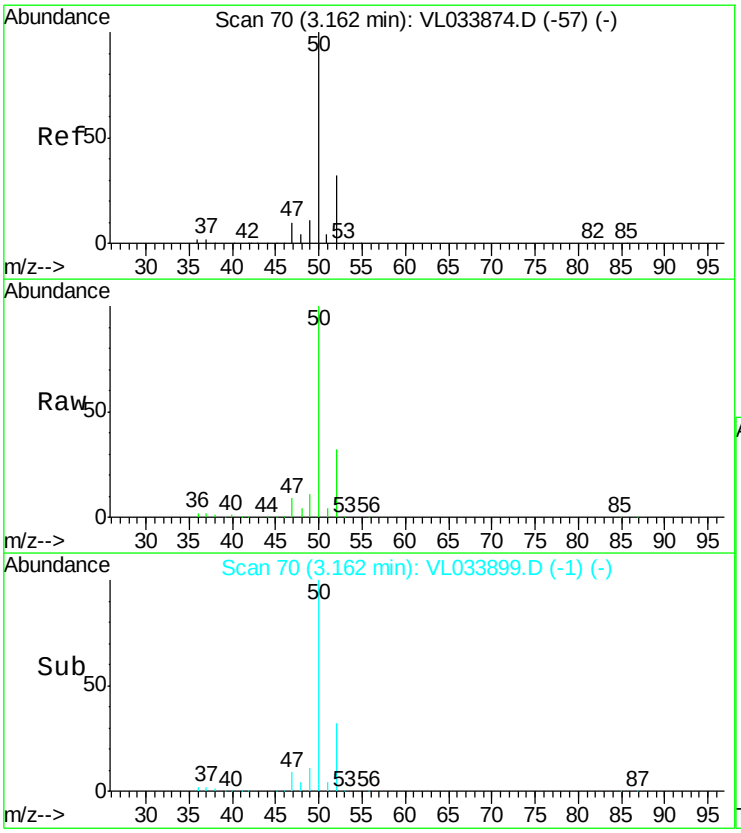
#3
Chlorodifluoromethane
Concen: 9.670 ppbv
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1137137

Ion	Ratio	Lower	Upper
51	100		
67	19.8	16.4	24.6

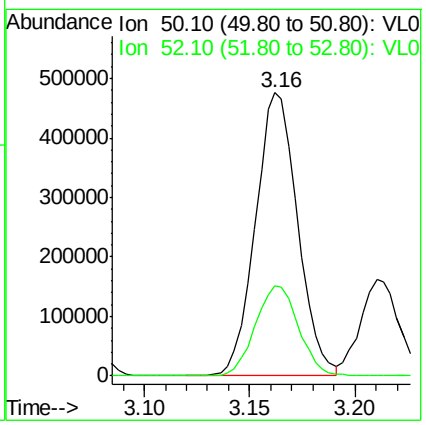


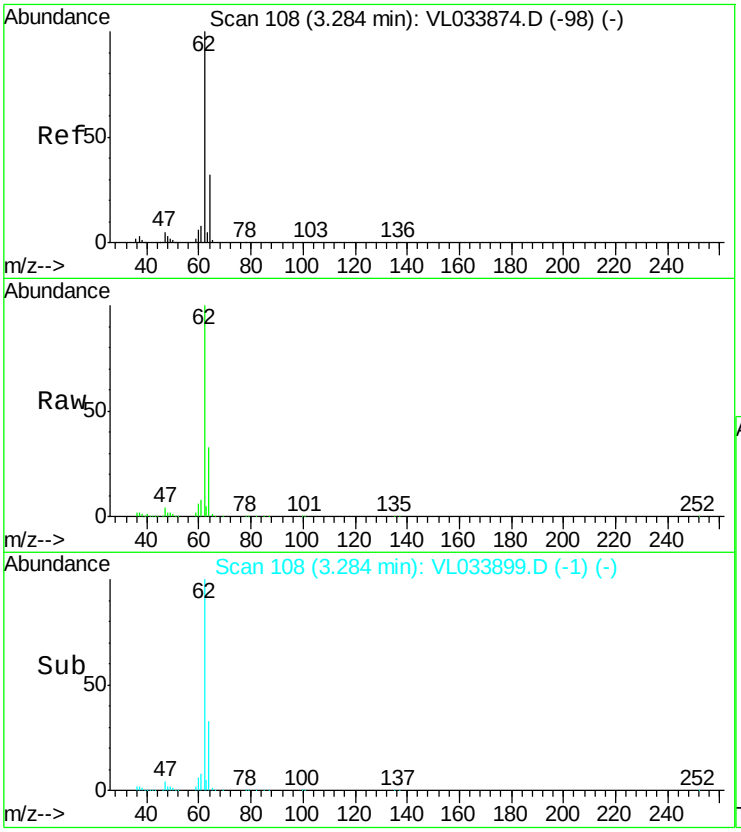


#4
Chloromethane
Concen: 9.857 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 50 Resp: 661180

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.0



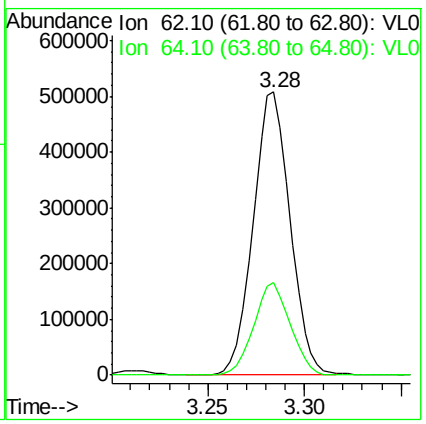


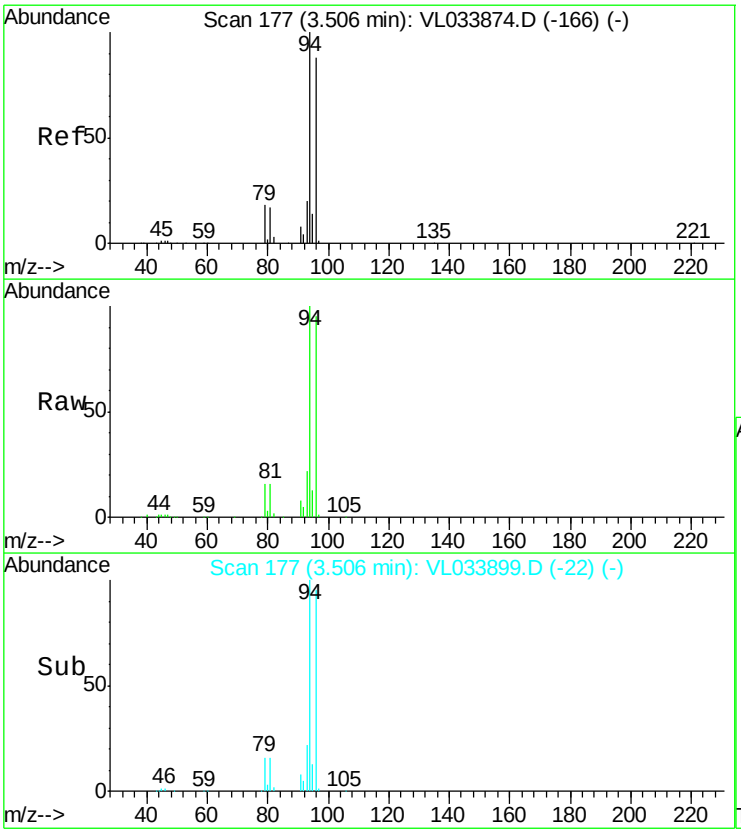
#5
Vinyl Chloride
Concen: 10.815 ppbv
RT: 3.28 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 673065

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.2	37.8

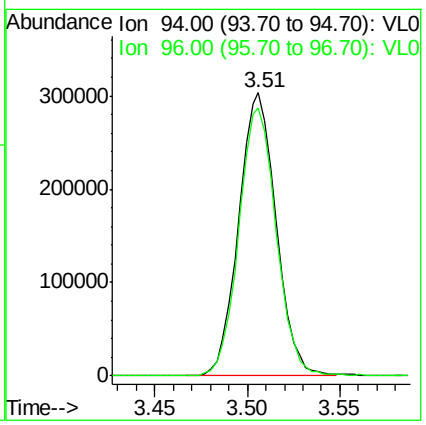


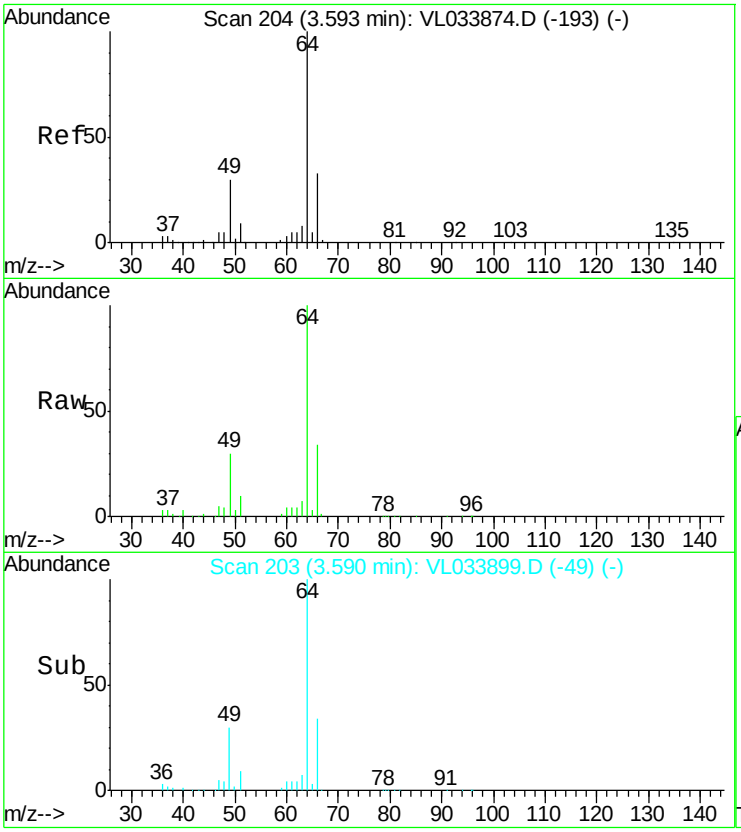


#6
Bromomethane
Concen: 10.304 ppbv
RT: 3.51 min Scan# 177
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 94 Resp: 426057

Ion	Ratio	Lower	Upper
94	100		
96	94.7	70.2	105.2



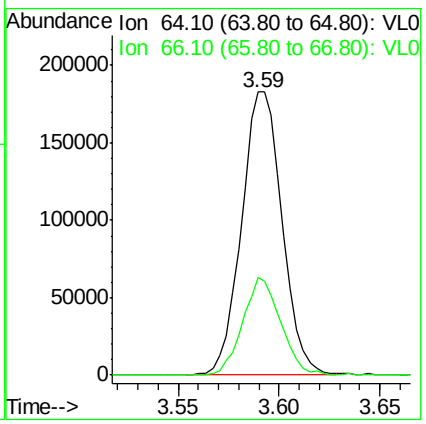


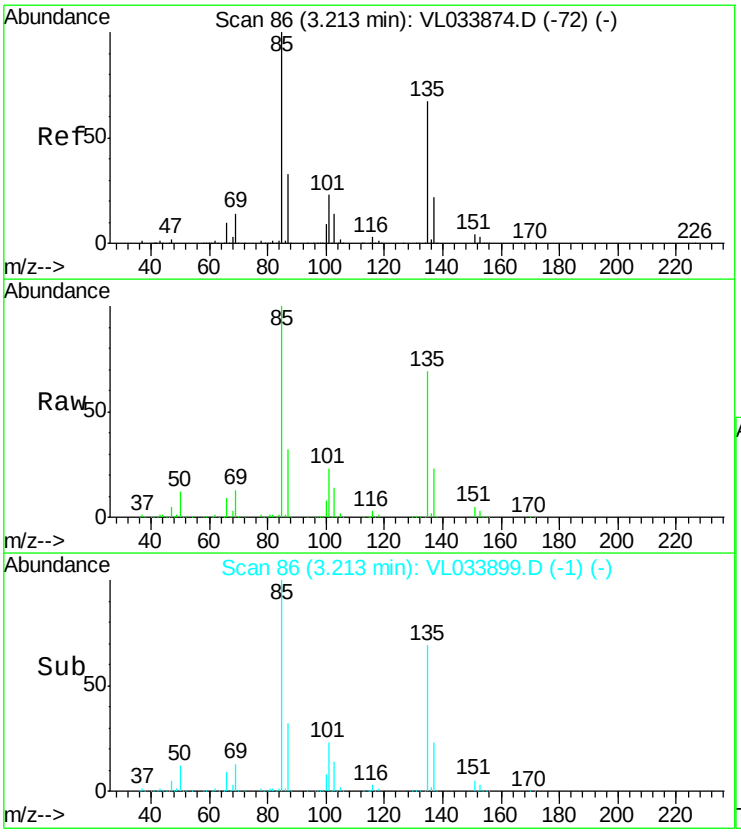
#7
Chloroethane
Concen: 10.469 ppbv
RT: 3.59 min Scan# 203
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 257678

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.7	40.1

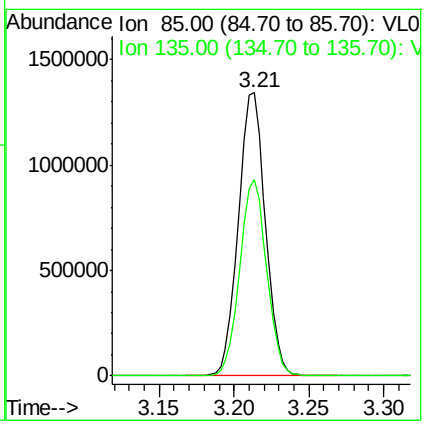


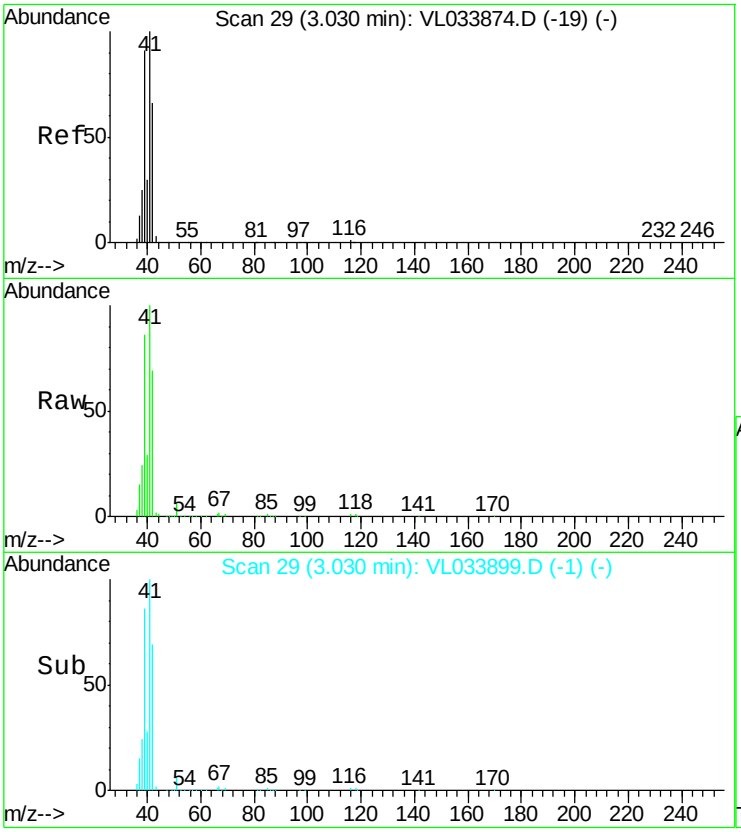


#8
Dichlorotetrafluoroethane
Concen: 9.786 ppbv
RT: 3.21 min Scan# 86
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 85 Resp: 1695161

Ion	Ratio	Lower	Upper
85	100		
135	69.0	53.7	80.5

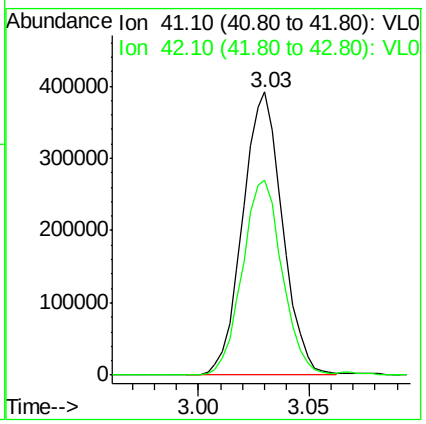




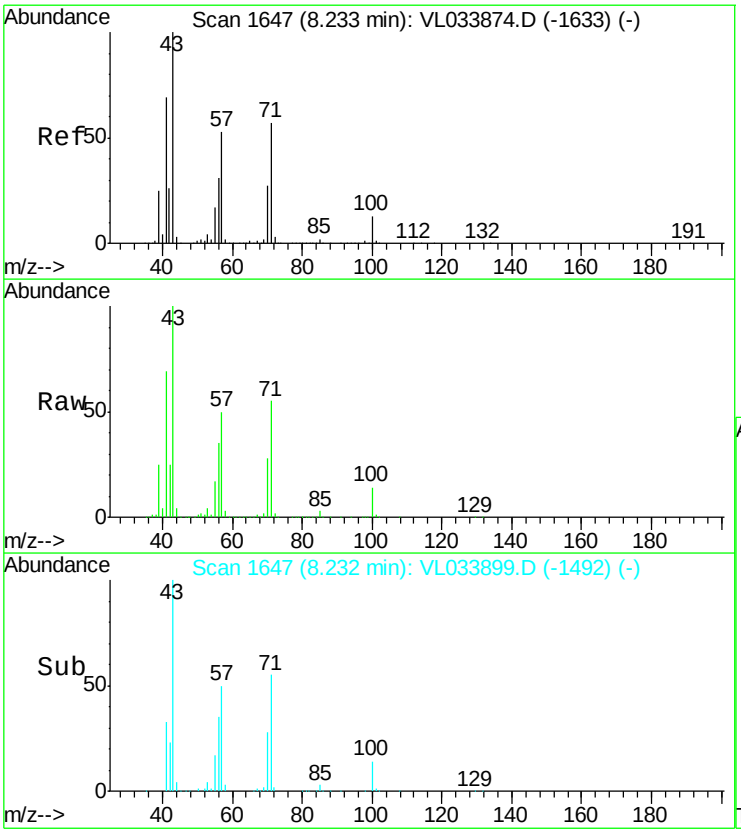
#9
Propene
Concen: 11.172 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 41 Resp: 491597

Ion	Ratio	Lower	Upper
41	100		
42	70.0	56.3	84.5



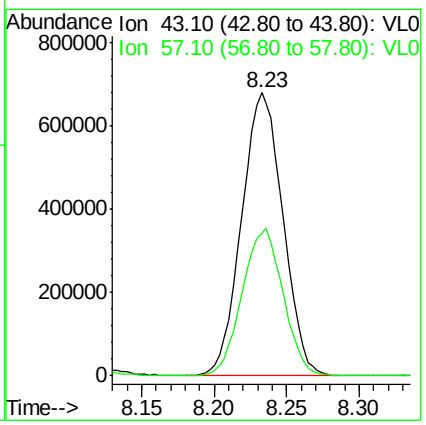
Instrument :
MSVOA_L
ClientSampleId :

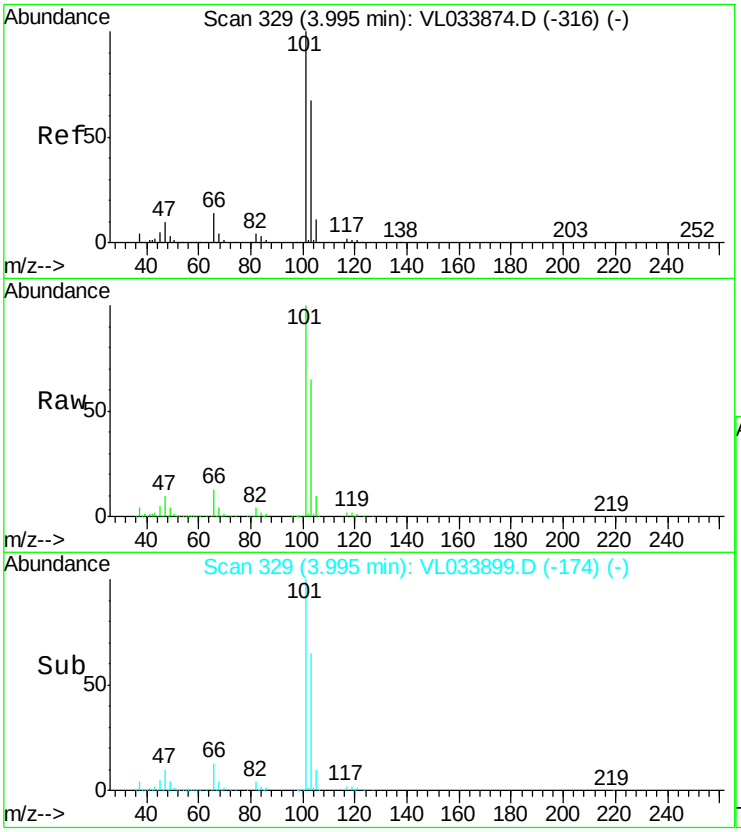


#10
Heptane
Concen: 12.056 ppbv
RT: 8.23 min Scan# 1647
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 43 Resp: 1340852

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.7	62.5



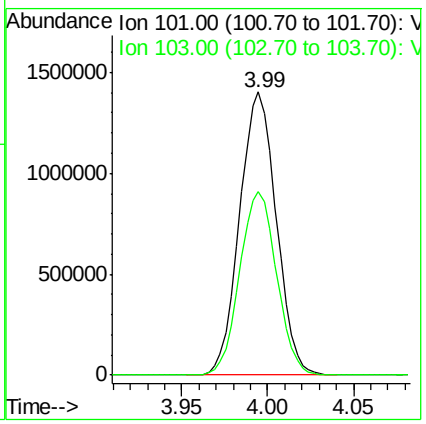


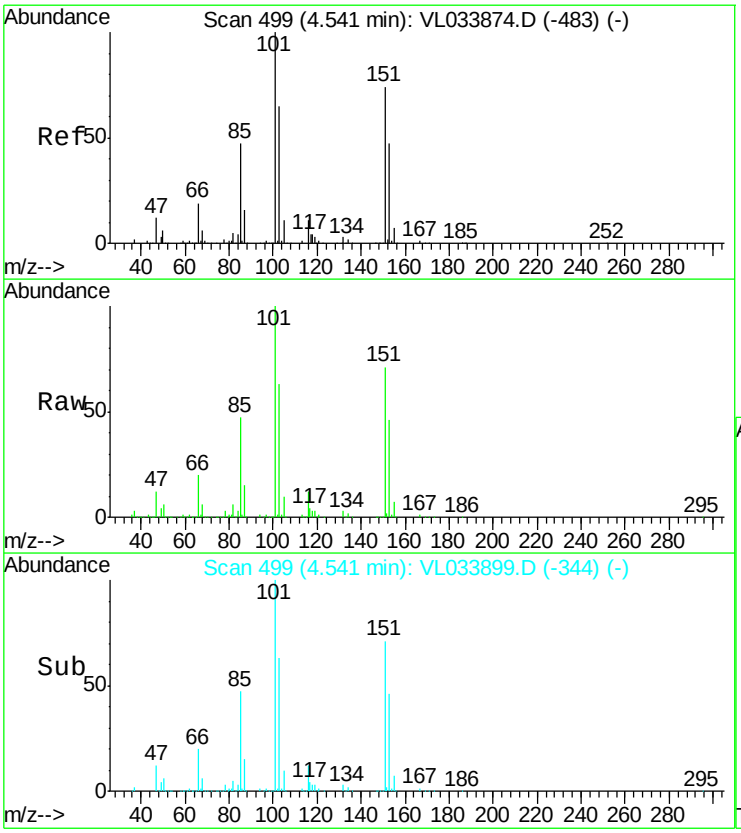
#11
Trichlorofluoromethane
Concen: 9.962 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2083604

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.6	80.4

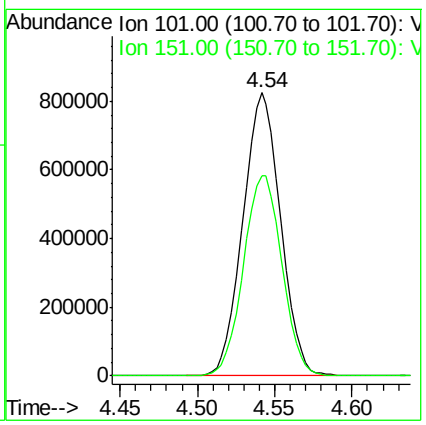


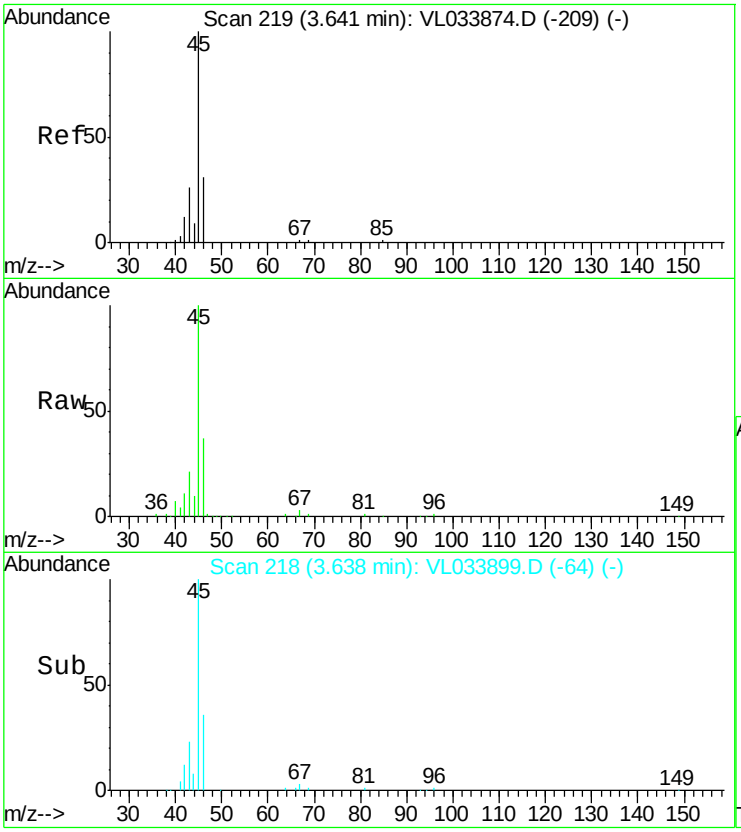


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.885 ppbv
RT: 4.54 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:101 Resp: 1397211

Ion	Ratio	Lower	Upper
101	100		
151	72.6	58.6	87.8



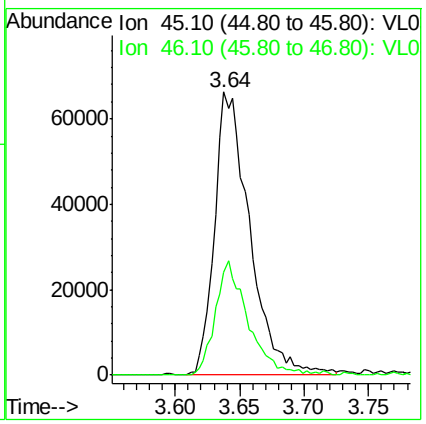


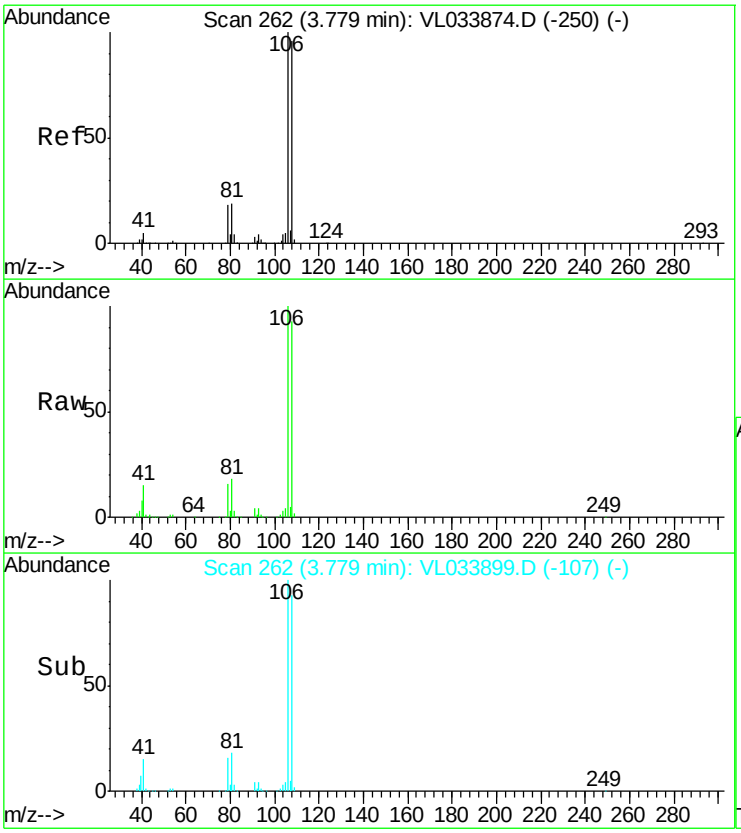
#13
Ethanol
Concen: 8.809 ppbv
RT: 3.64 min Scan# 218
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 126111

Ion	Ratio	Lower	Upper
45	100		
46	37.9	15.3	61.1

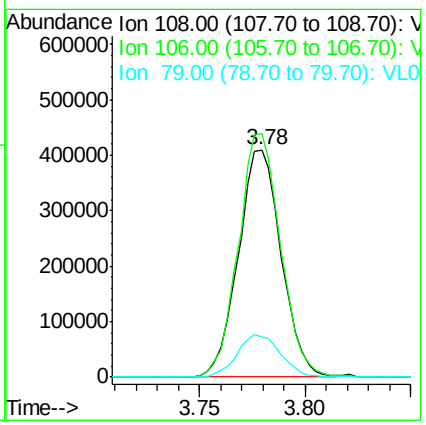


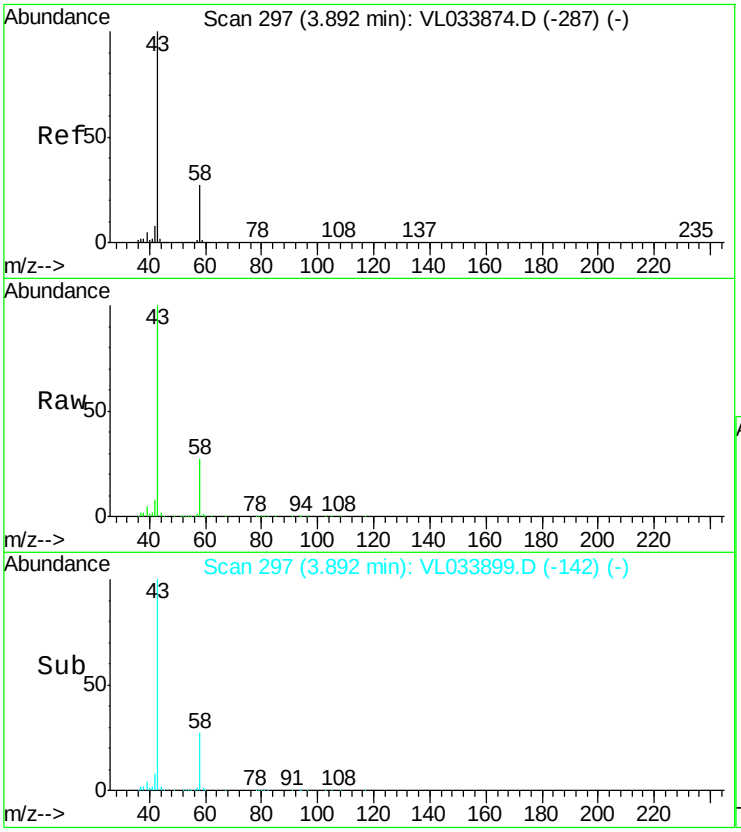


#14
Bromoethene
Concen: 10.994 ppbv
RT: 3.78 min Scan# 262
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:108 Resp: 579048

Ion	Ratio	Lower	Upper
108	100		
106	106.3	84.9	127.3
79	19.3	15.4	23.0



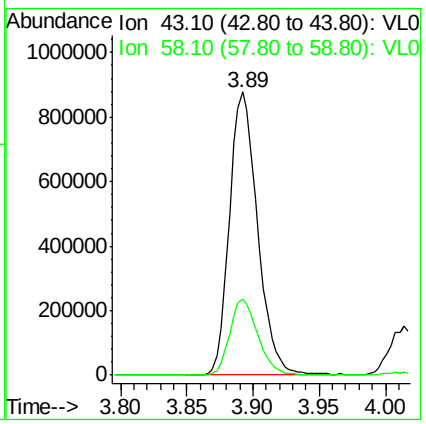


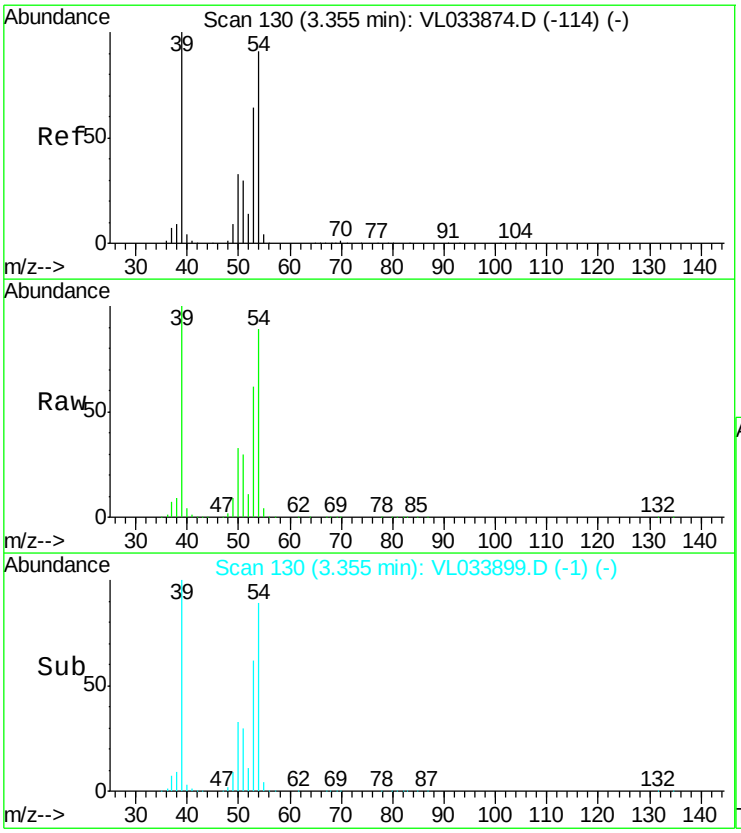
#15
Acetone
Concen: 8.881 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1293848

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.3	31.9

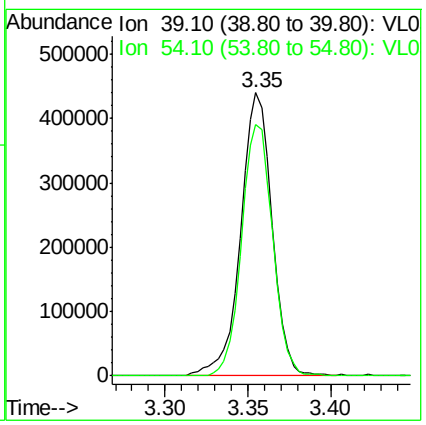


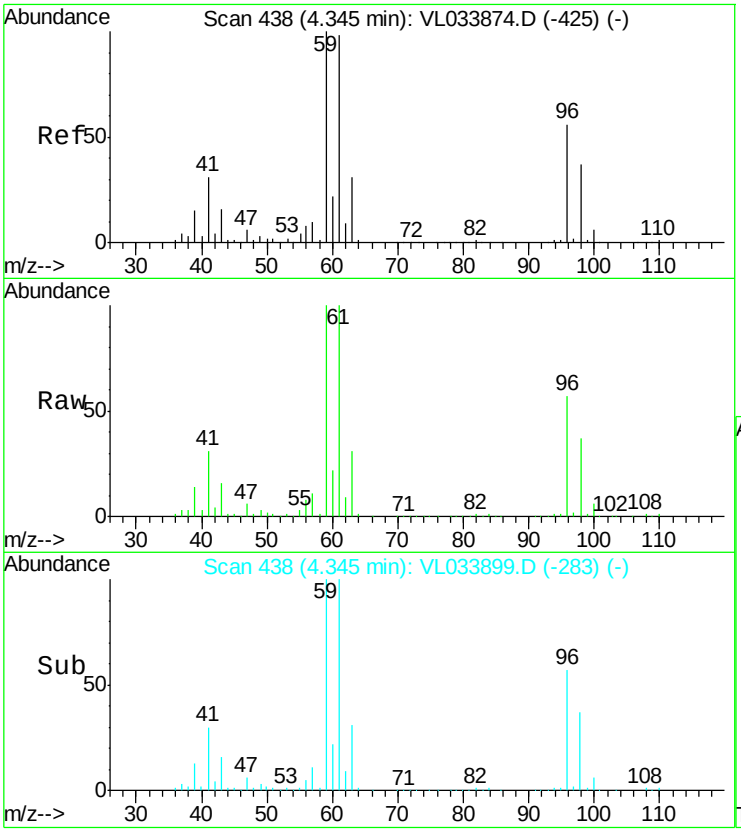


#16
1,3-Butadiene
Concen: 10.323 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 39 Resp: 572395

Ion	Ratio	Lower	Upper
39	100		
54	89.0	68.6	103.0



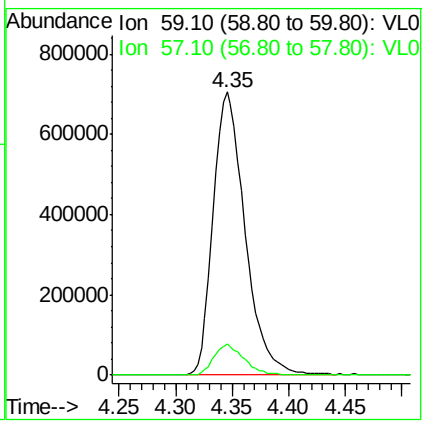


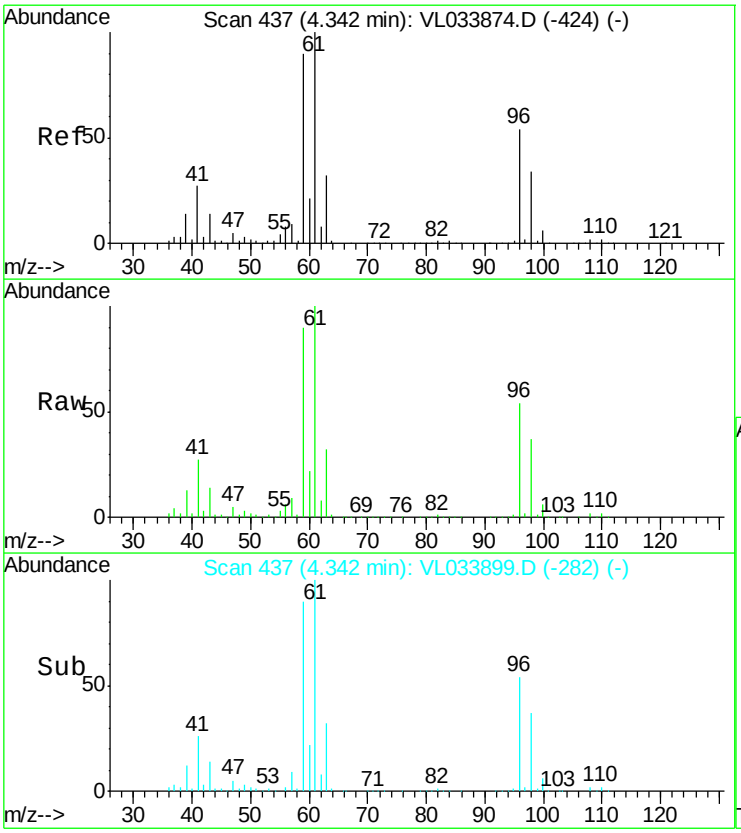
#17
tert-Butyl alcohol
Concen: 12.092 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1377149

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

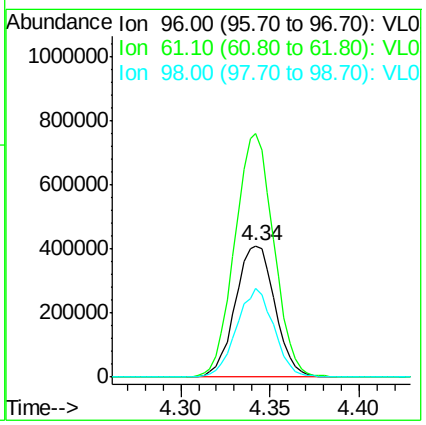


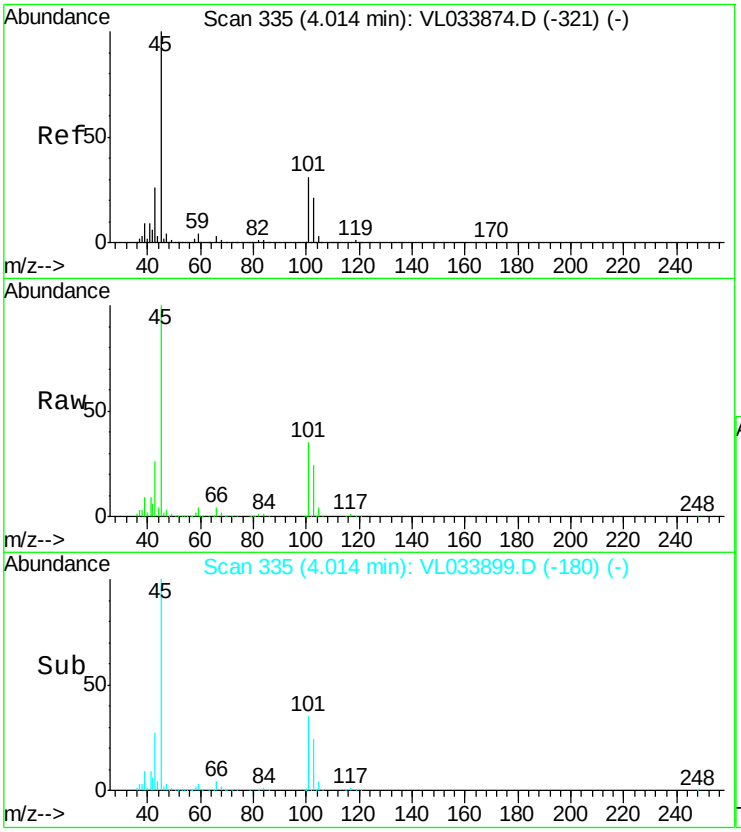


#18
1,1-Dichloroethene
Concen: 10.584 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 96 Resp: 631887

Ion	Ratio	Lower	Upper
96	100		
61	185.5	147.0	220.6
98	67.9	49.4	74.0



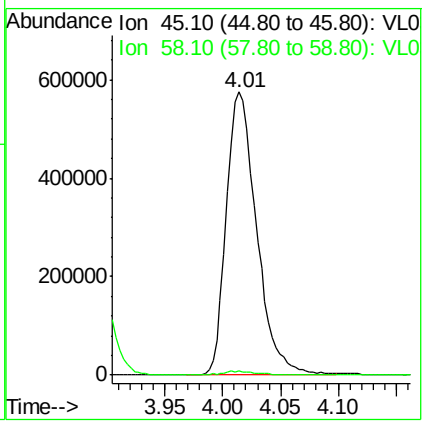


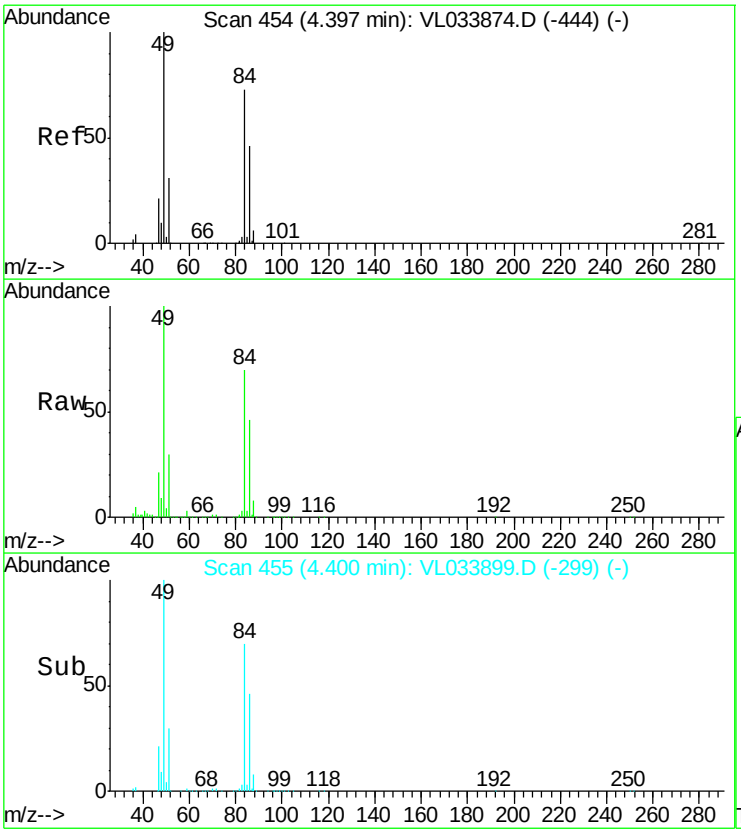
#19
Isopropyl Alcohol
Concen: 12.494 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1039791

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.8	2.6

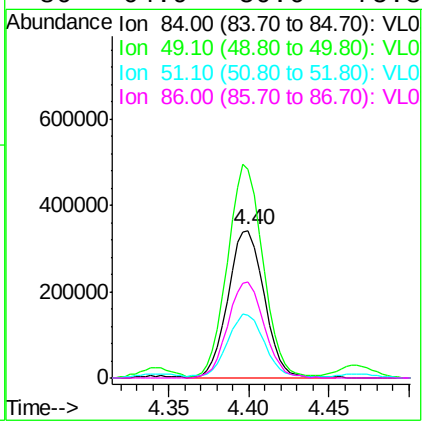


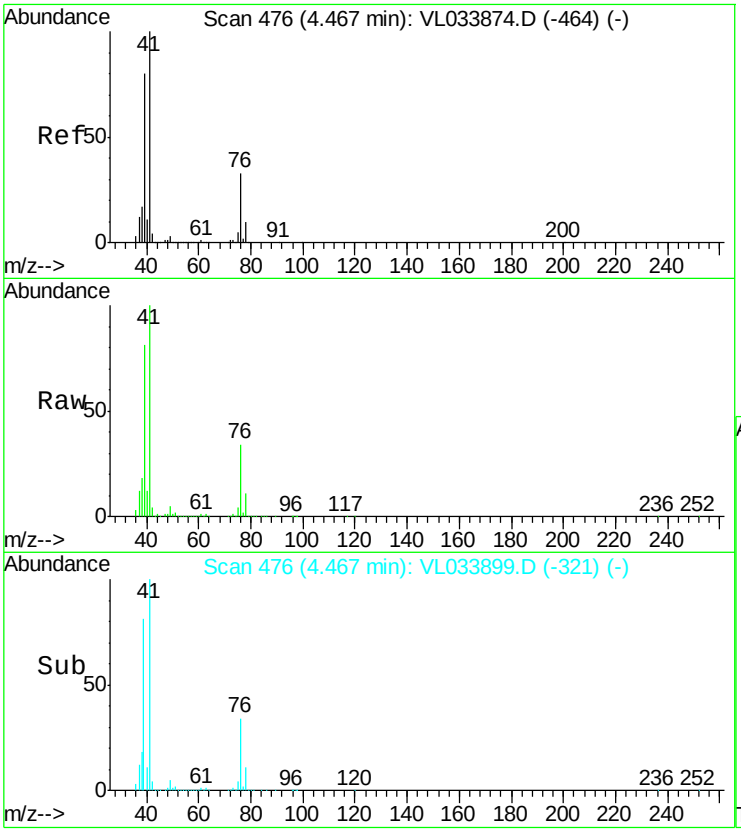


#20
Methylene Chloride
Concen: 9.136 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 84 Resp: 519052

Ion	Ratio	Lower	Upper
84	100		
49	141.4	110.0	165.0
51	41.5	34.6	51.8
86	64.9	50.6	75.8



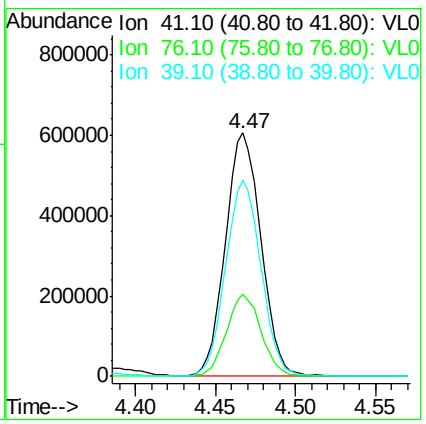


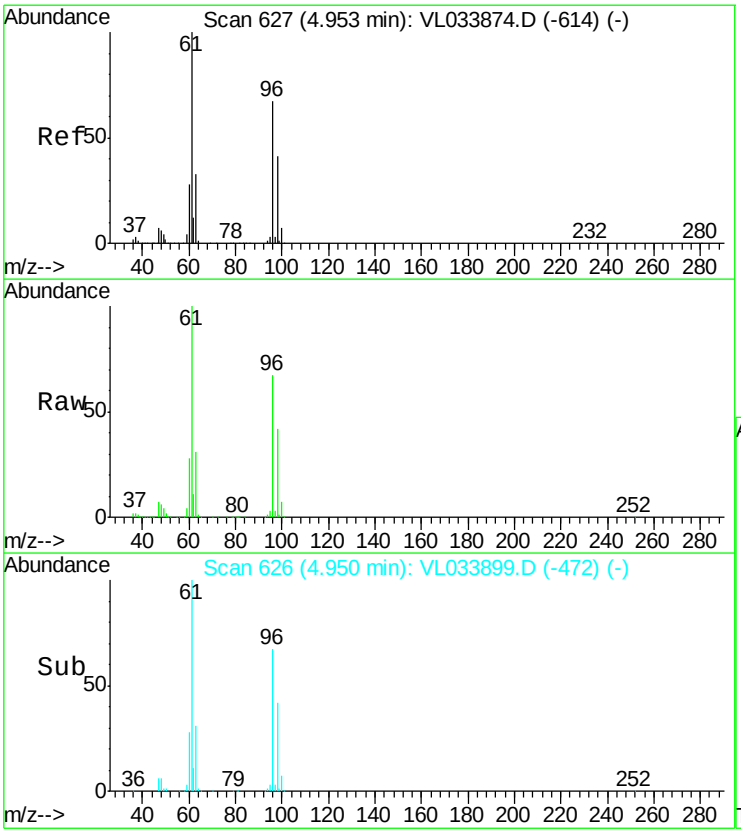
#21
Allyl Chloride
Concen: 11.003 ppbv
RT: 4.47 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 910571

Ion	Ratio	Lower	Upper
41	100		
76	33.1	26.6	39.8
39	80.8	65.2	97.8

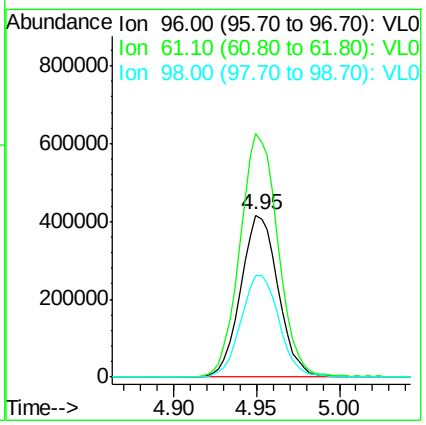


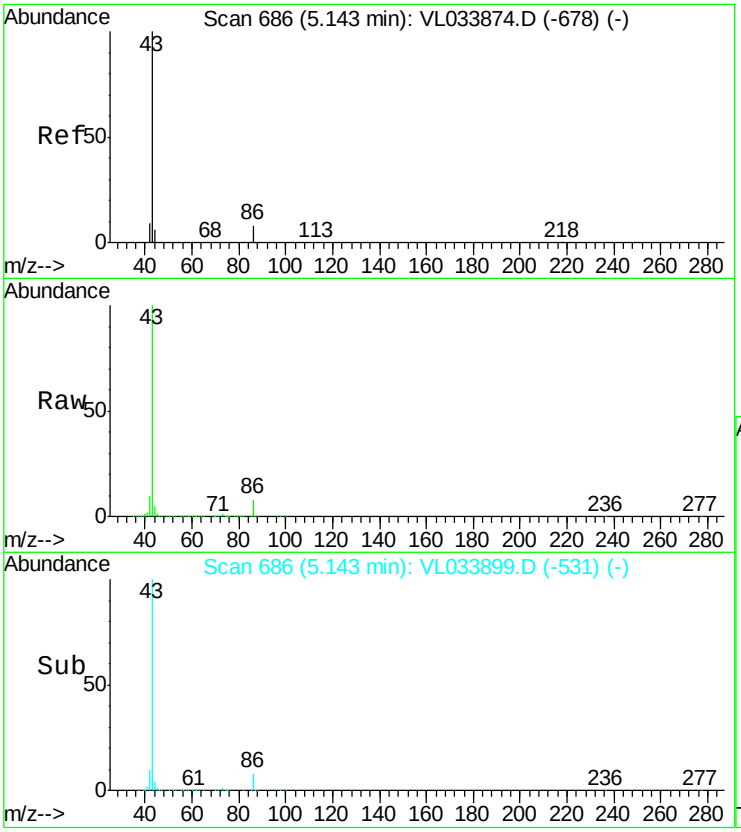


#22
trans-1,2-Dichloroethene
Concen: 10.378 ppbv
RT: 4.95 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 96 Resp: 653134

Ion	Ratio	Lower	Upper
96	100		
61	150.3	119.0	178.6
98	62.9	48.3	72.5



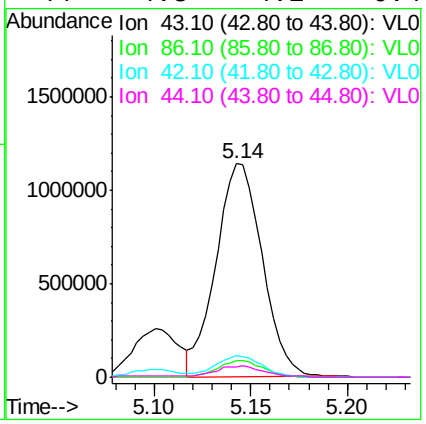


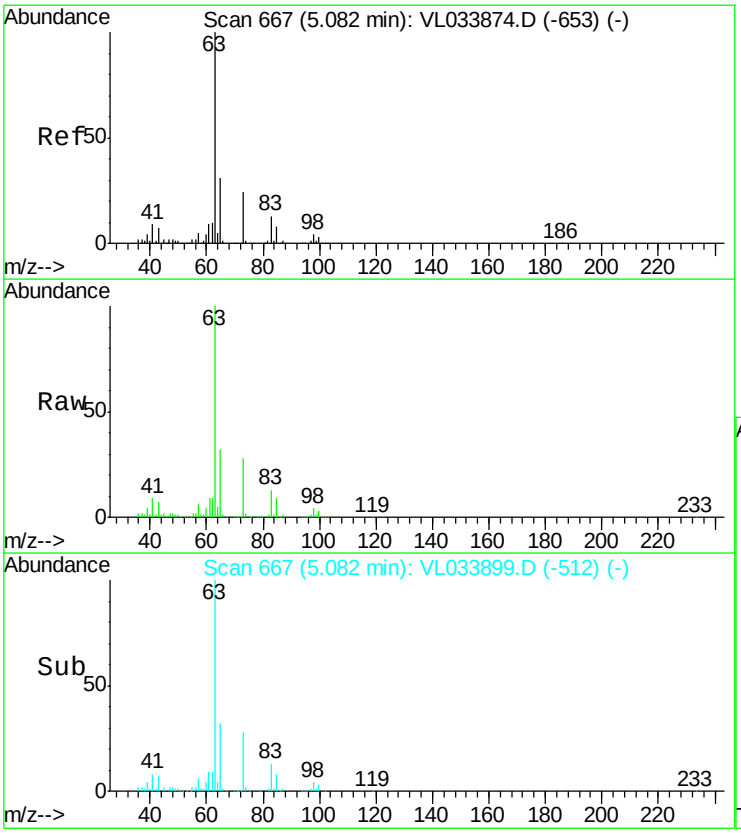
#23
Vinyl Acetate
Concen: 11.197 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1896037

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	9.9	7.8	11.8
44	4.8	4.2	6.4

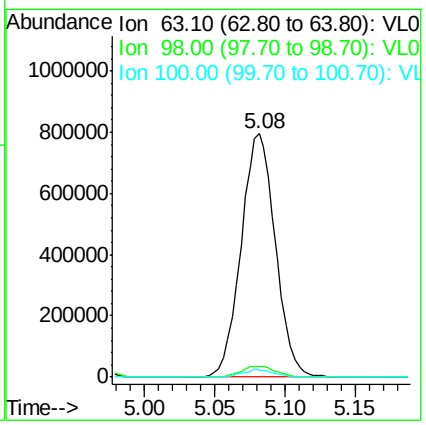


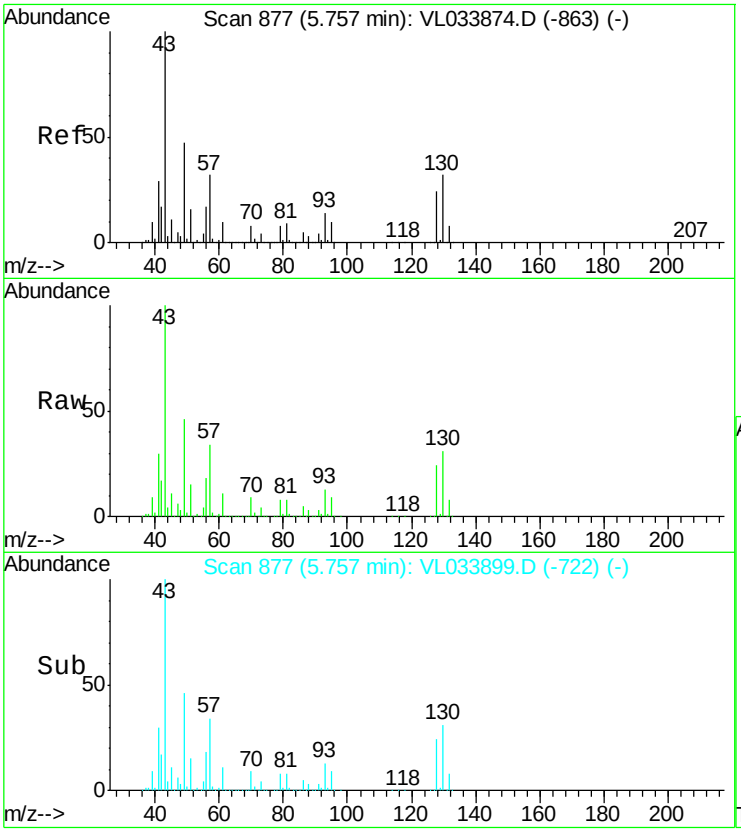


#24
1,1-Dichloroethane
Concen: 10.262 ppbv
RT: 5.08 min Scan# 667
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 63 Resp: 1351591

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.2	6.6
100	2.6	1.3	3.8



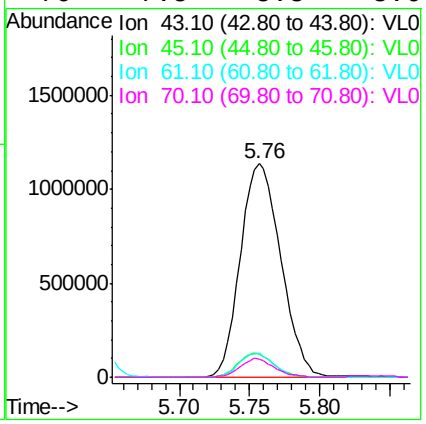


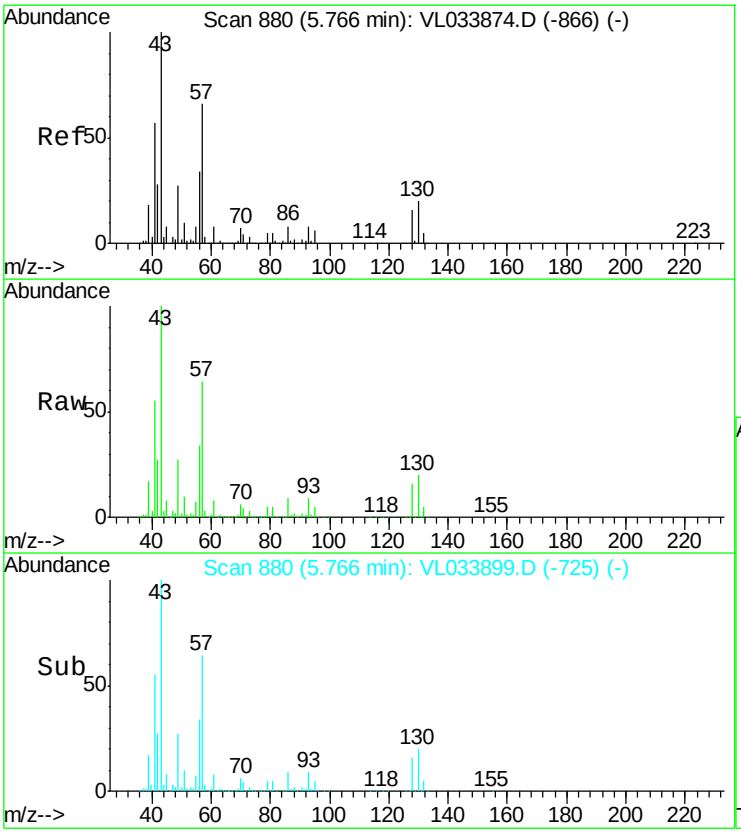
#25
Ethyl Acetate
Concen: 10.299 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2285060

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.9	7.8	11.6
70	7.5	5.8	8.6

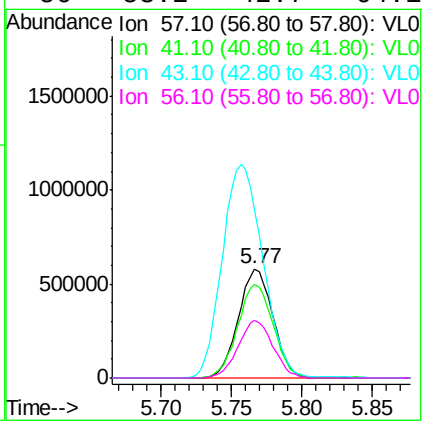


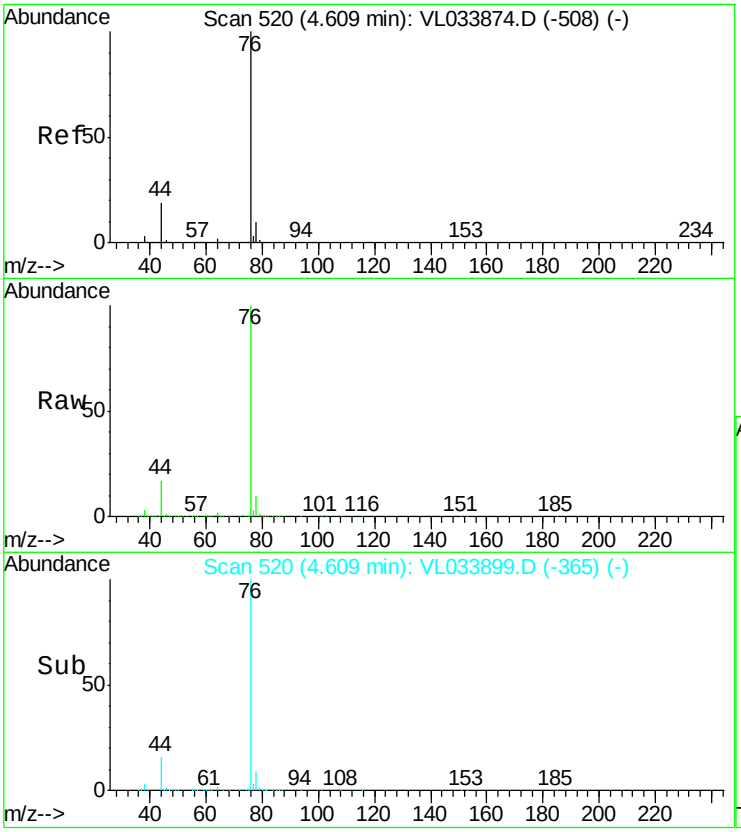


#26
Hexane
Concen: 9.900 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 57 Resp: 1000054

Ion	Ratio	Lower	Upper
57	100		
41	88.6	71.4	107.2
43	230.0	183.7	275.5
56	53.2	42.7	64.1



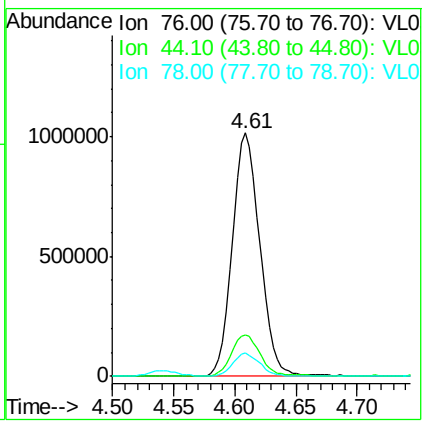


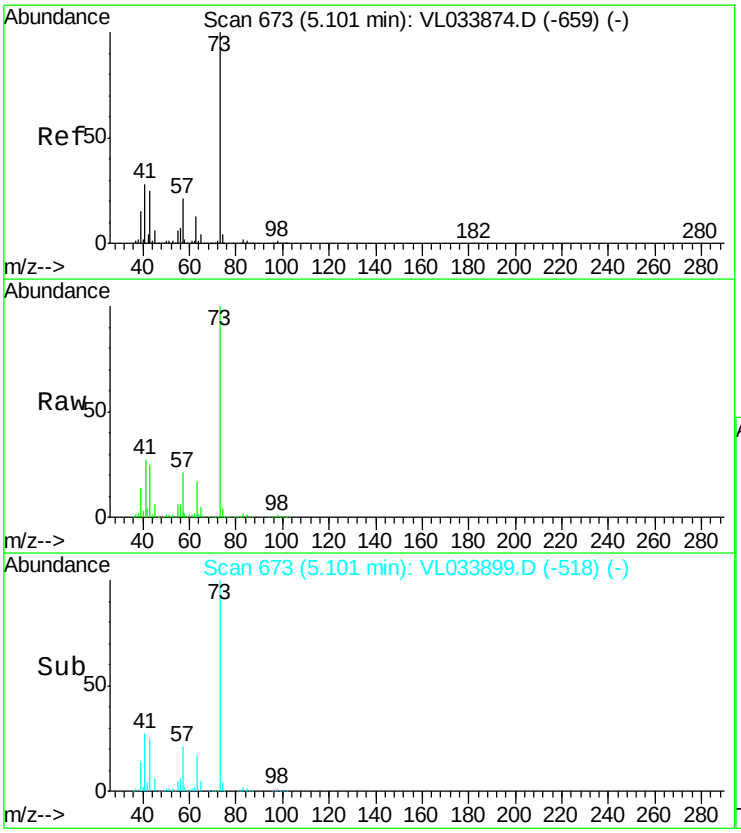
#27
Carbon Disulfide
Concen: 11.360 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1594271

Ion	Ratio	Lower	Upper
76	100		
44	17.2	14.4	21.6
78	9.7	7.5	11.3

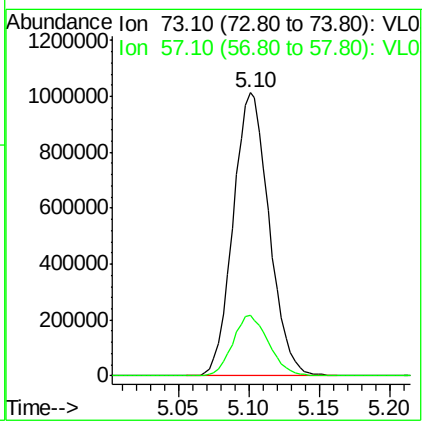


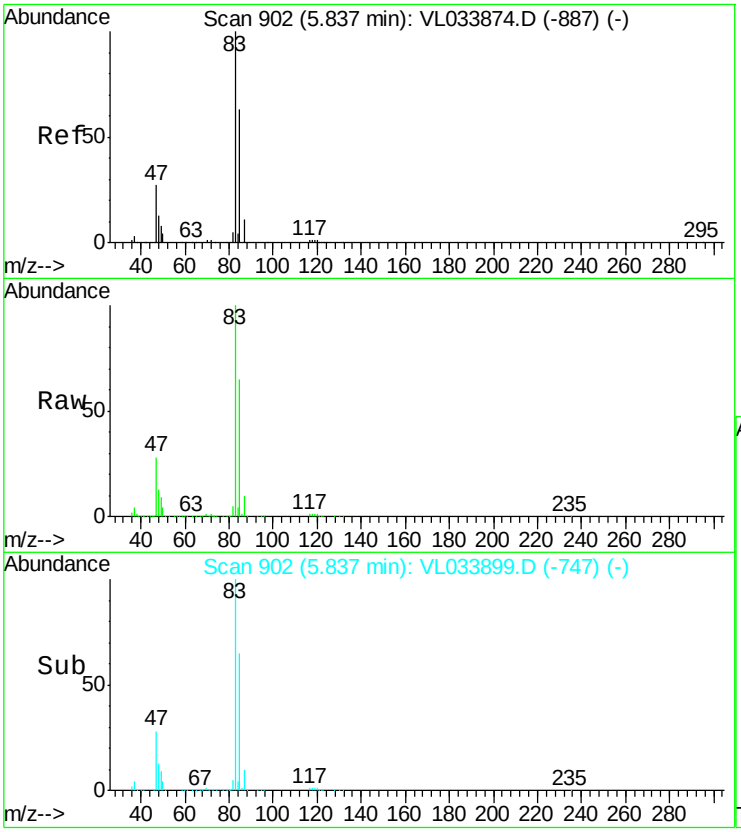


#28
Methyl tert-Butyl Ether
Concen: 11.823 ppbv
RT: 5.10 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 73 Resp: 1806045

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.2	25.8



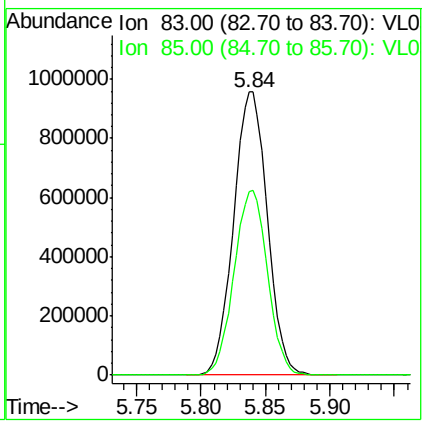


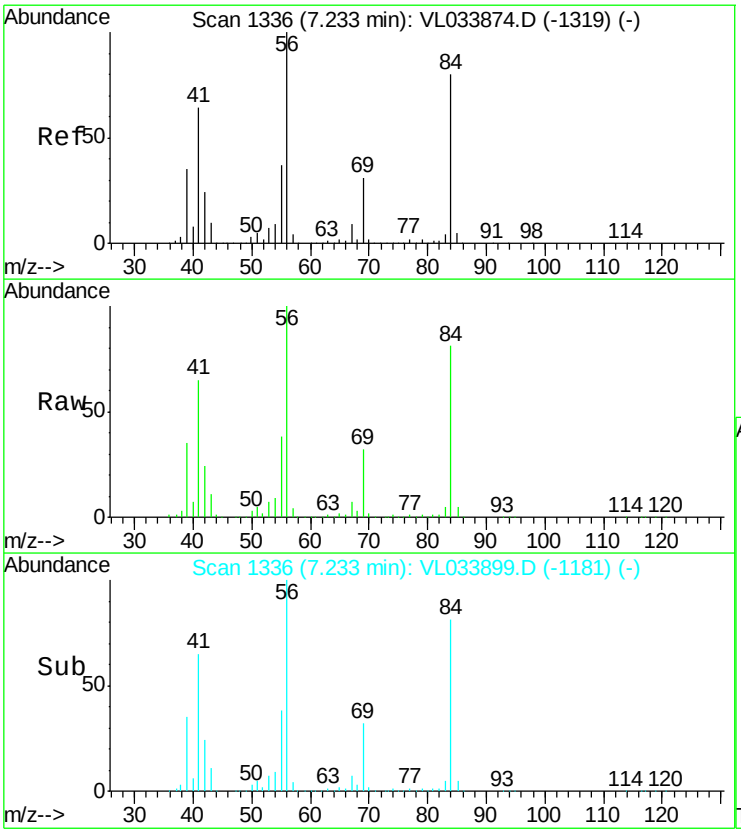
#29
Chloroform
Concen: 10.067 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1741644

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.5	75.7

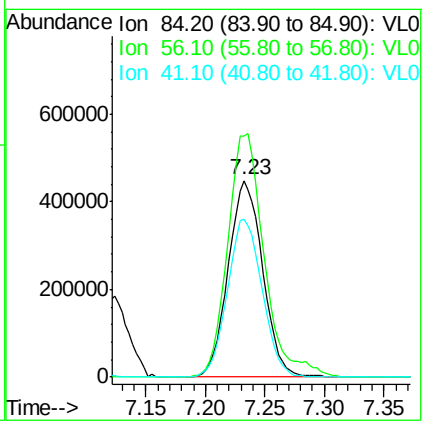


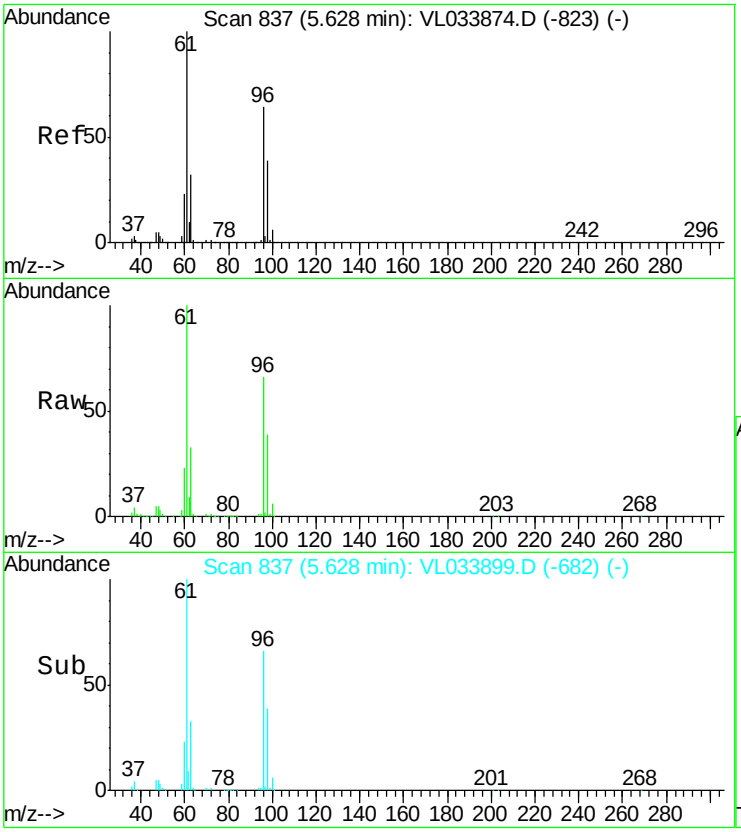


#30
Cyclohexane
Concen: 12.622 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 84 Resp: 900873

Ion	Ratio	Lower	Upper
84	100		
56	131.6	105.8	158.8
41	81.0	65.7	98.5



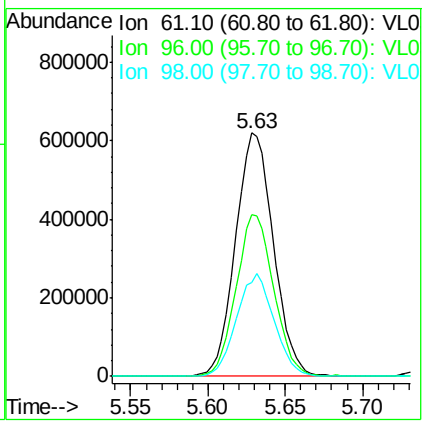


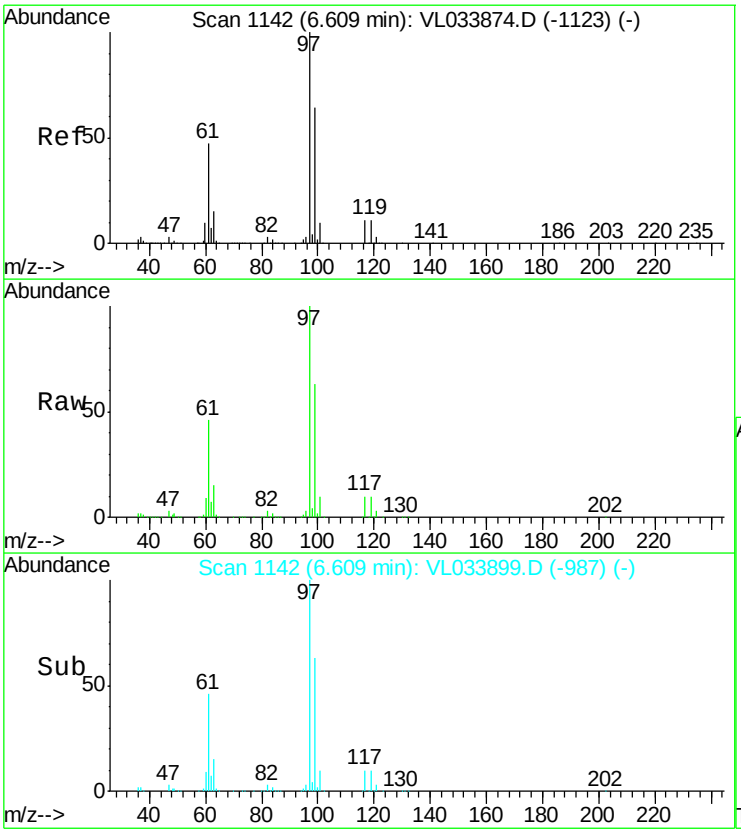
#31
cis-1,2-Dichloroethene
Concen: 11.930 ppbv
RT: 5.63 min Scan# 837
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1056791

Ion	Ratio	Lower	Upper
61	100		
96	66.2	50.9	76.3
98	38.7	31.4	47.2

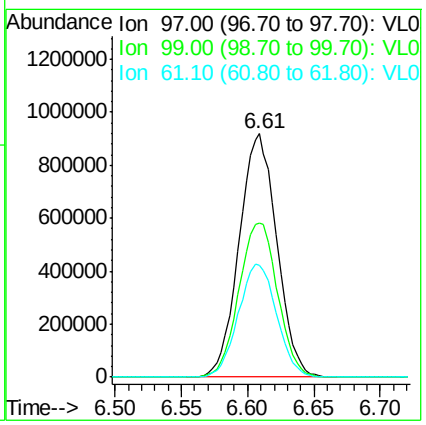


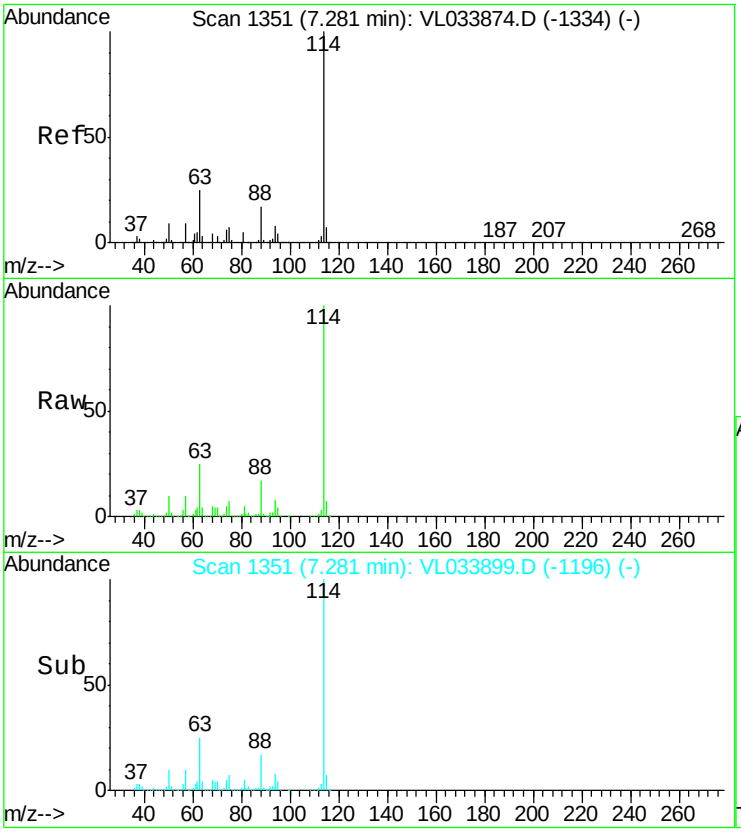


#32
1,1,1-Trichloroethane
Concen: 10.911 ppbv
RT: 6.61 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 97 Resp: 1820932

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	47.1	37.7	56.5



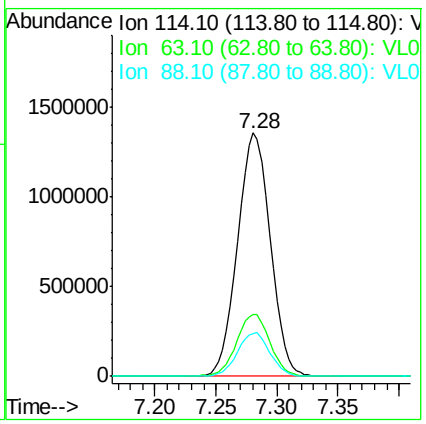


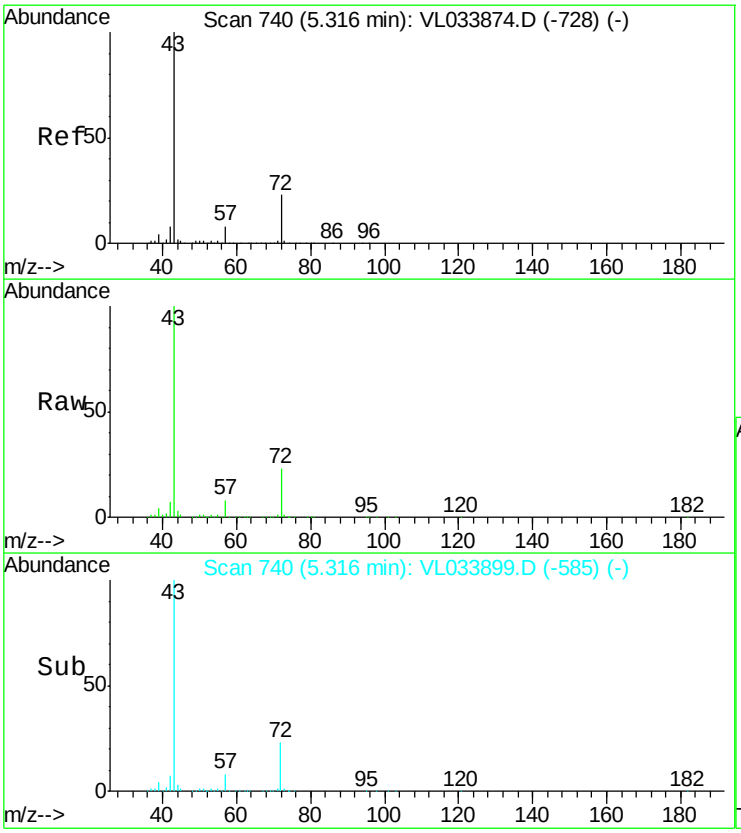
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2515633

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.1	31.7
88	17.8	14.2	21.4

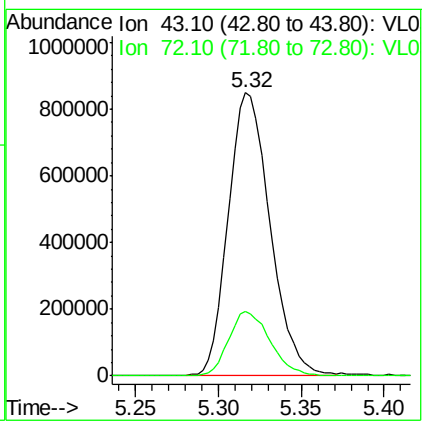


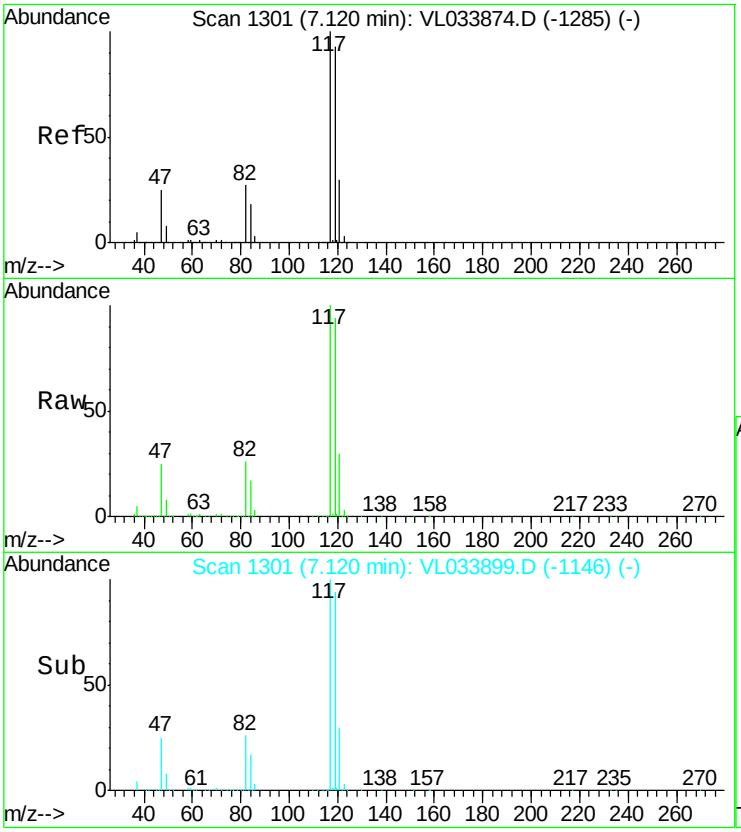


#34
2-Butanone
Concen: 10.455 ppbv
RT: 5.32 min Scan# 740
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 43 Resp: 1483777

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.9	26.9



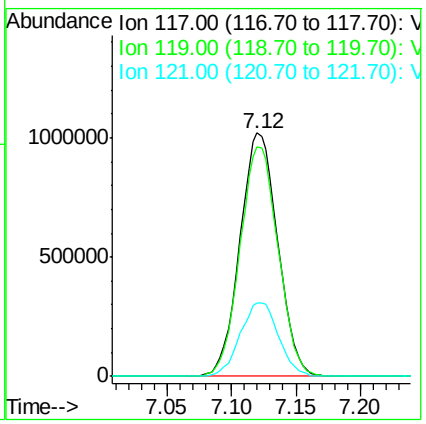


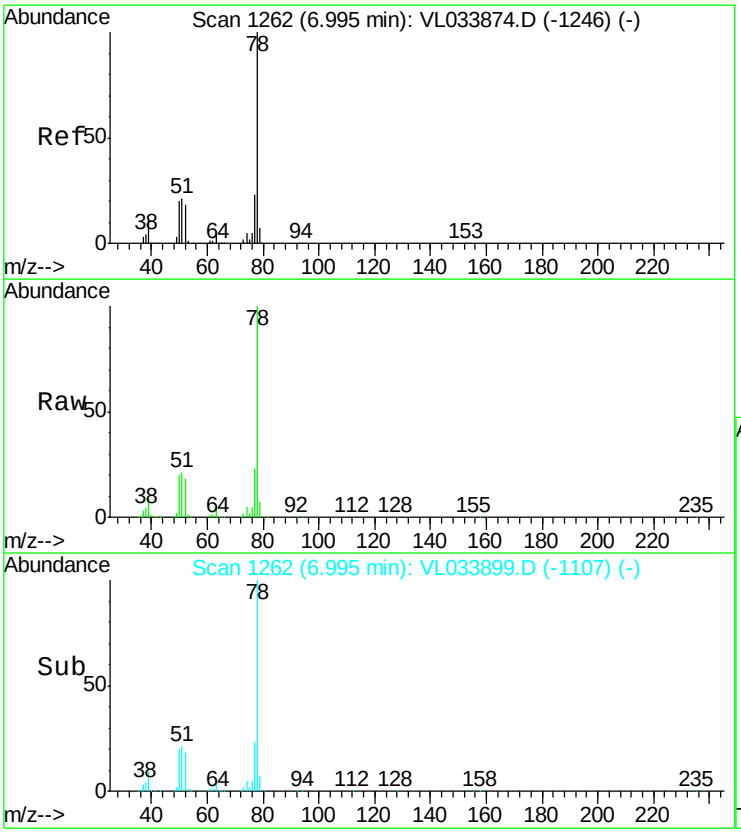
#35
Carbon Tetrachloride
Concen: 10.700 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2079683

Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.6	111.8
121	30.0	24.0	36.0

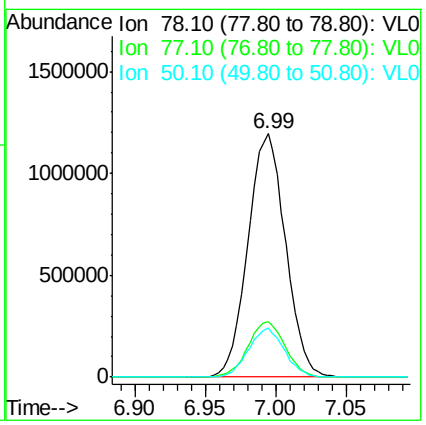


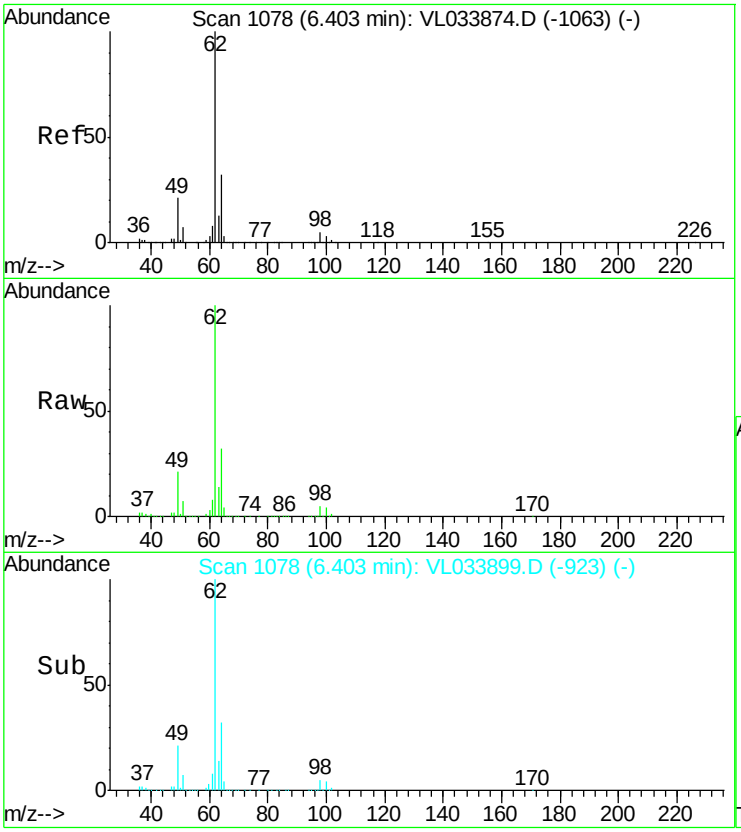


#36
Benzene
Concen: 11.607 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 78 Resp: 2230515

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2
50	20.0	15.9	23.9



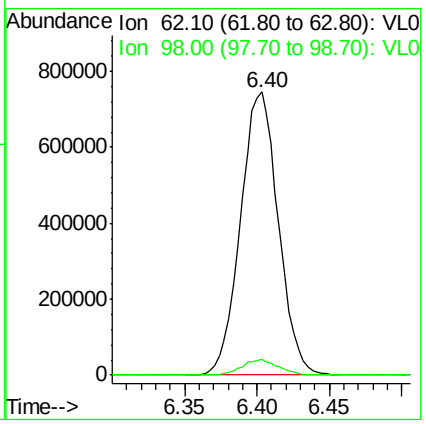


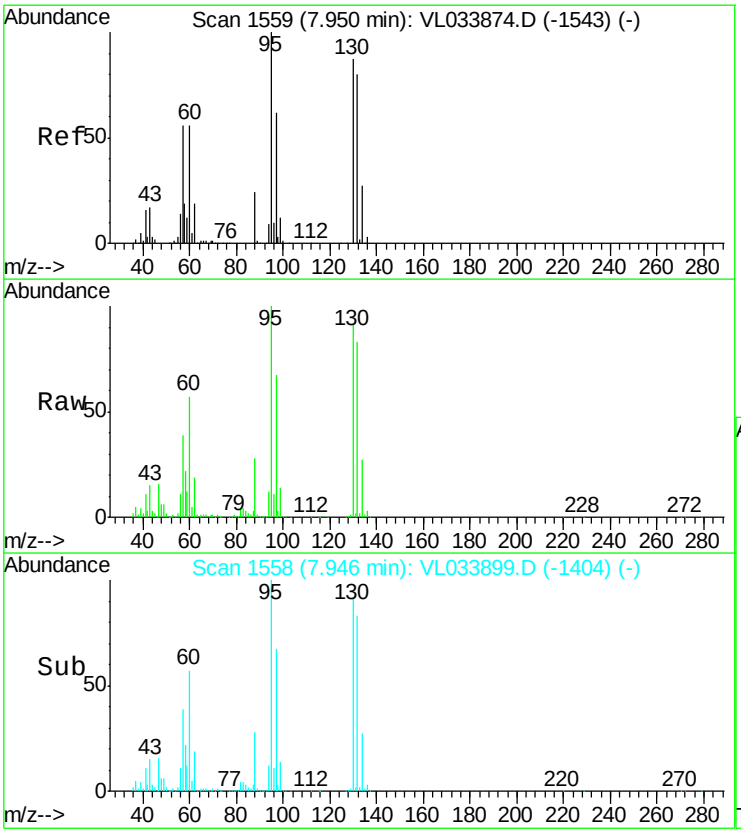
#37
1,2-Dichloroethane
Concen: 9.504 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1350733

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.0	6.0

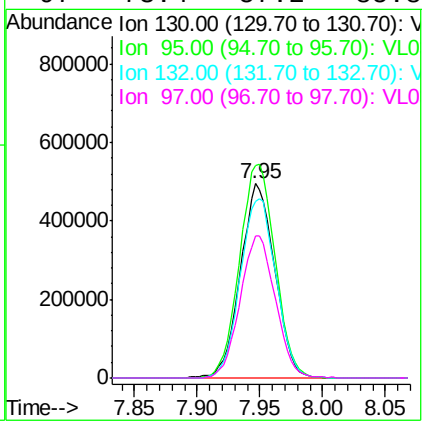


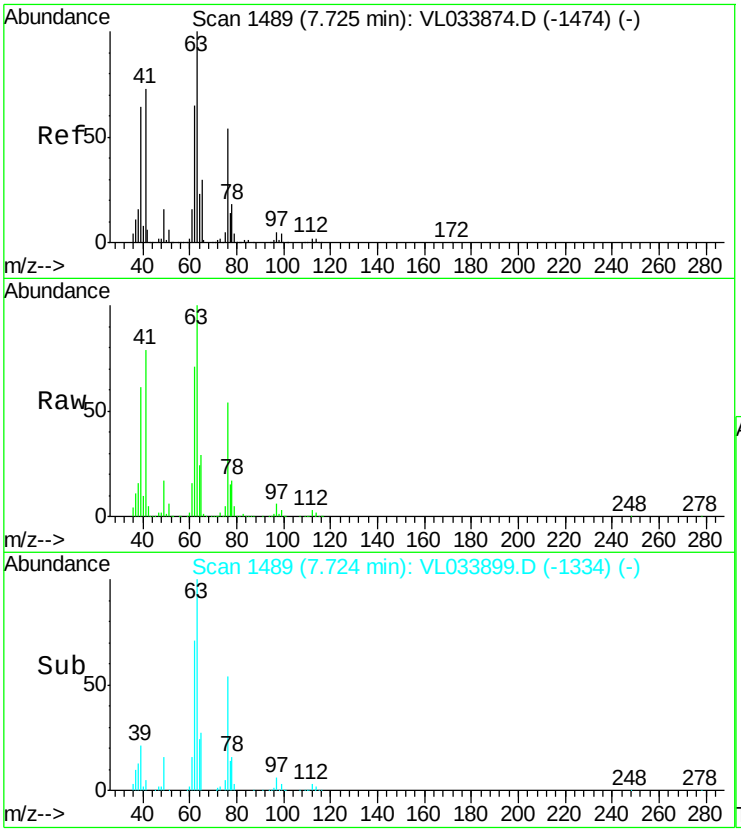


#38
Trichloroethene
Concen: 12.535 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:130 Resp: 937893

Ion	Ratio	Lower	Upper
130	100		
95	109.7	92.0	138.0
132	91.0	73.8	110.8
97	73.4	57.2	85.8



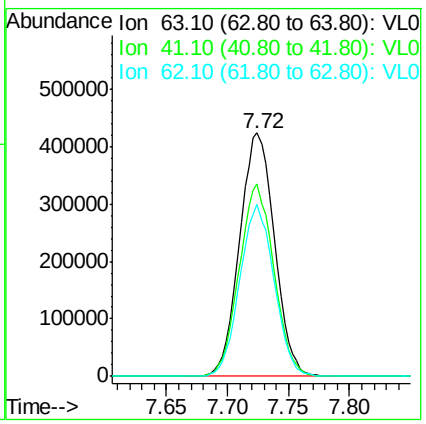


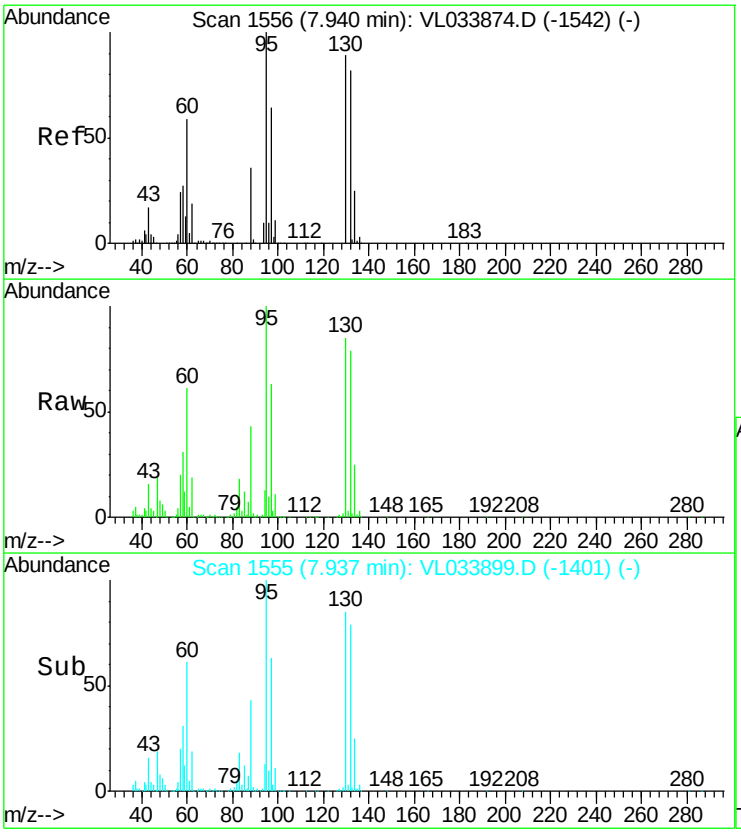
#39
1,2-Dichloropropane
Concen: 11.249 ppbv
RT: 7.72 min Scan# 1489
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 834299

Ion	Ratio	Lower	Upper
63	100		
41	78.9	58.7	88.1
62	70.5	51.9	77.9

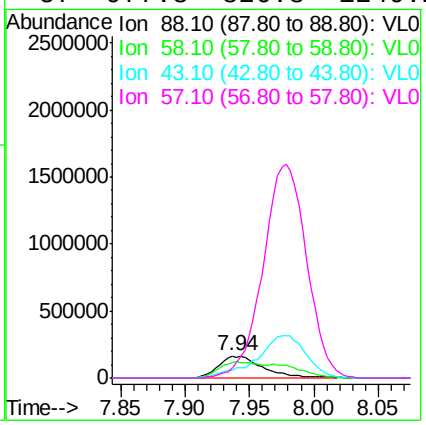


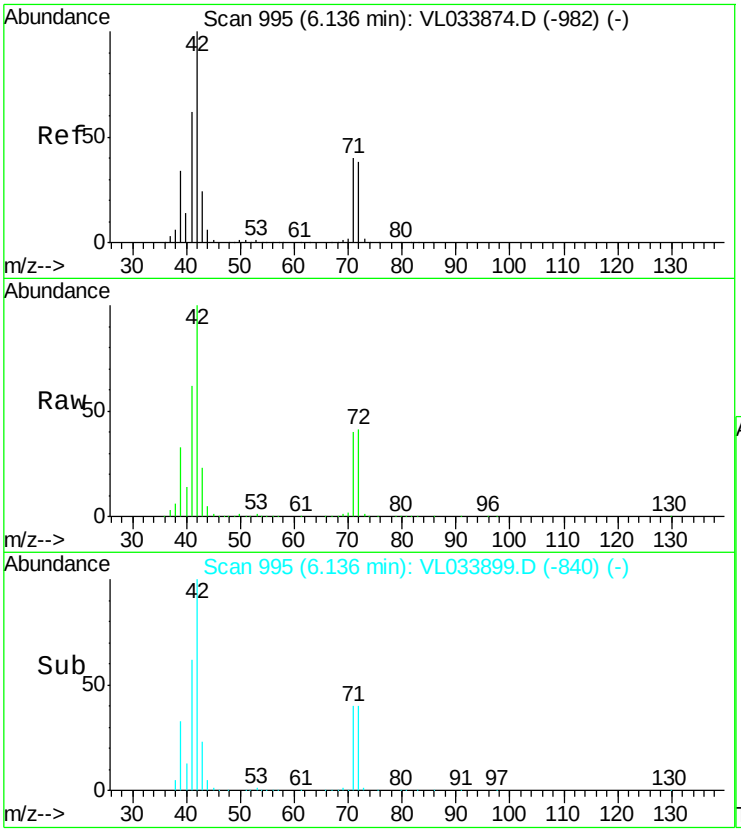


#40
1,4-Dioxane
Concen: 12.702 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 88 Resp: 384222

Ion	Ratio	Lower	Upper
88	100		
58	120.2	100.0	150.0
43	221.7	184.7	277.1
57	977.8	826.8	1240.2



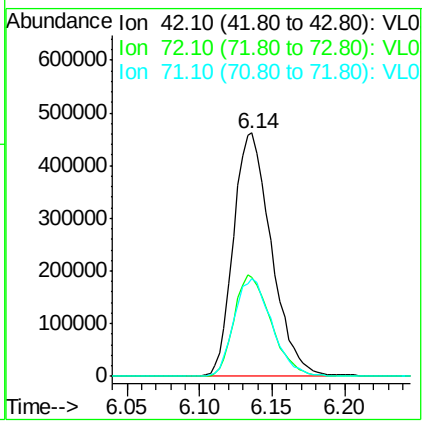


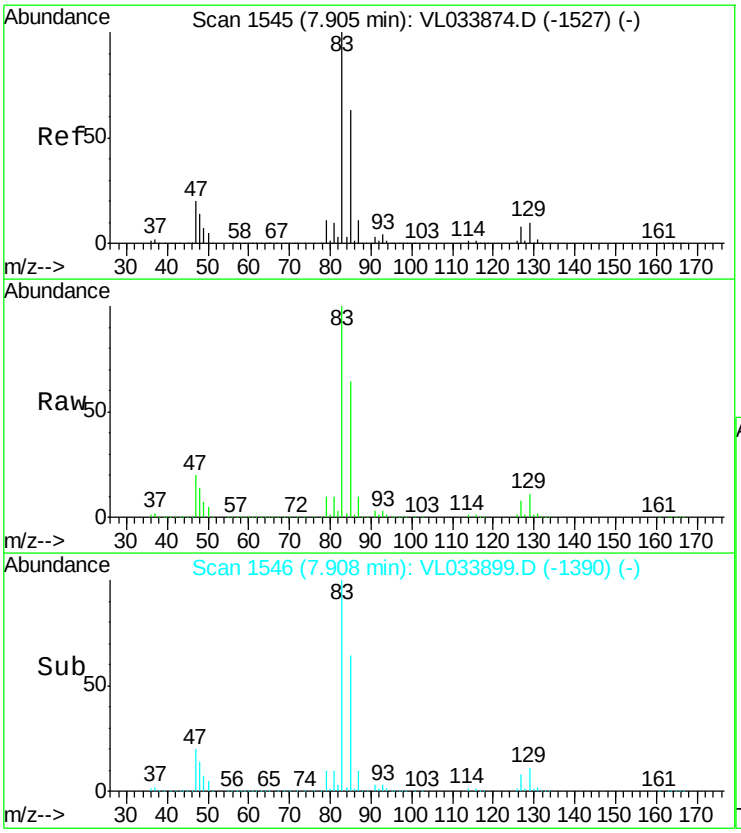
#41
Tetrahydrofuran
Concen: 11.646 ppbv
RT: 6.14 min Scan# 995
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 838911

Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.2	48.4
71	40.3	31.7	47.5

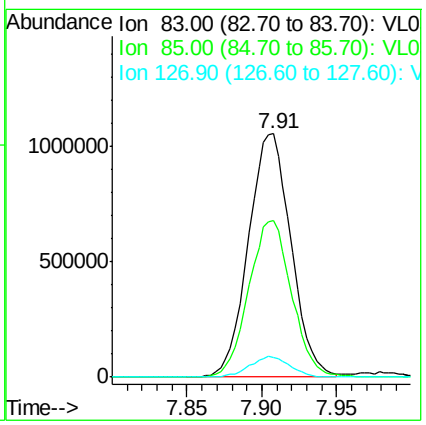


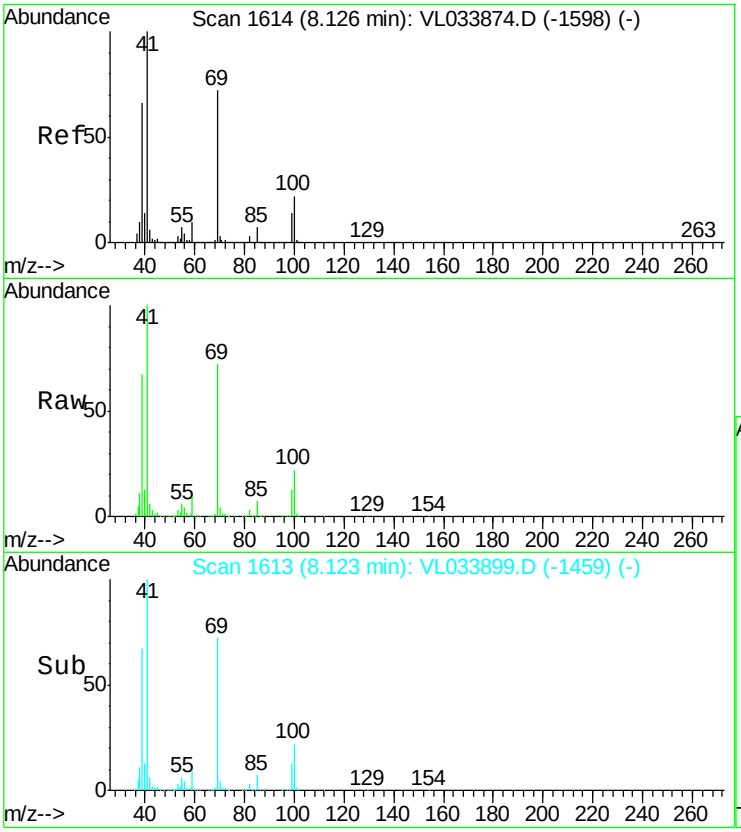


#42
Bromodichloromethane
Concen: 10.995 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 83 Resp: 2088116

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.2
127	8.0	6.5	9.7



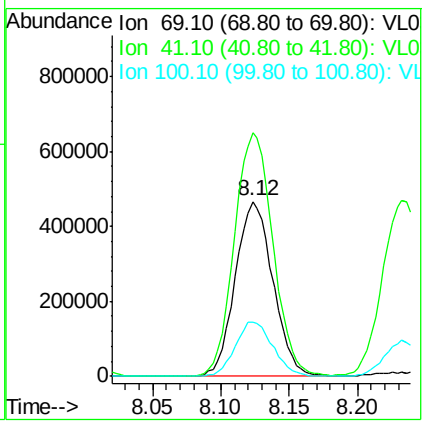


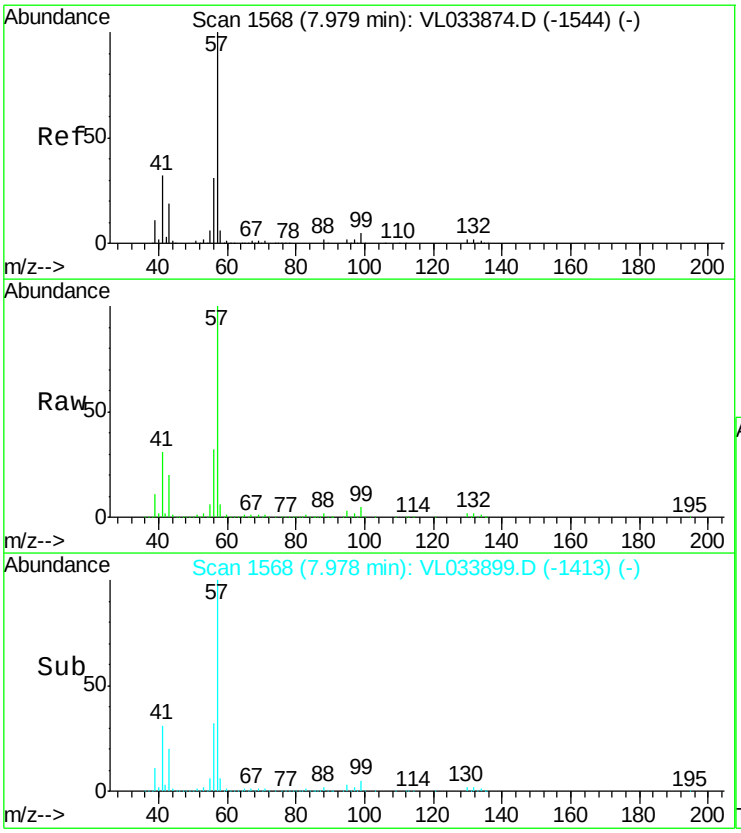
#43
Methyl Methacrylate
Concen: 12.462 ppbv
RT: 8.12 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 895677

Ion	Ratio	Lower	Upper
69	100		
41	142.4	114.3	171.5
100	30.9	24.8	37.2

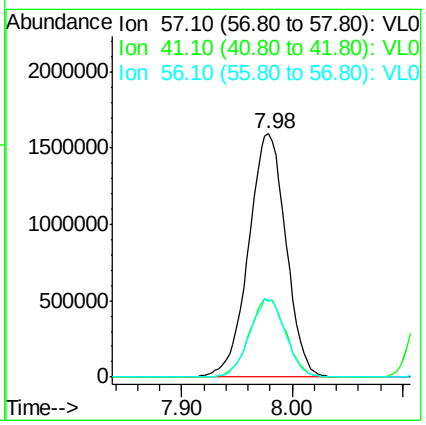


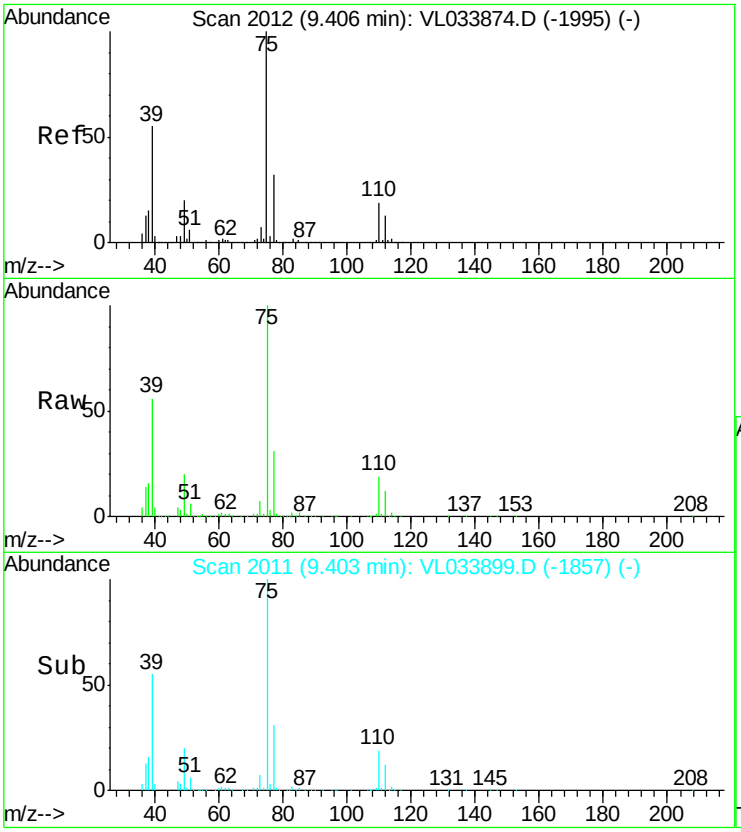


#44
2,2,4-Trimethylpentane
Concen: 10.981 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 57 Resp: 3752452

Ion	Ratio	Lower	Upper
57	100		
41	31.6	26.1	39.1
56	30.9	24.6	36.8



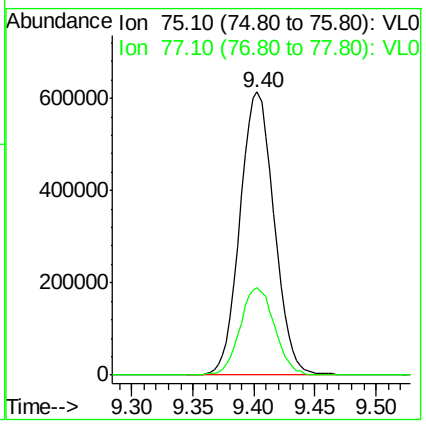


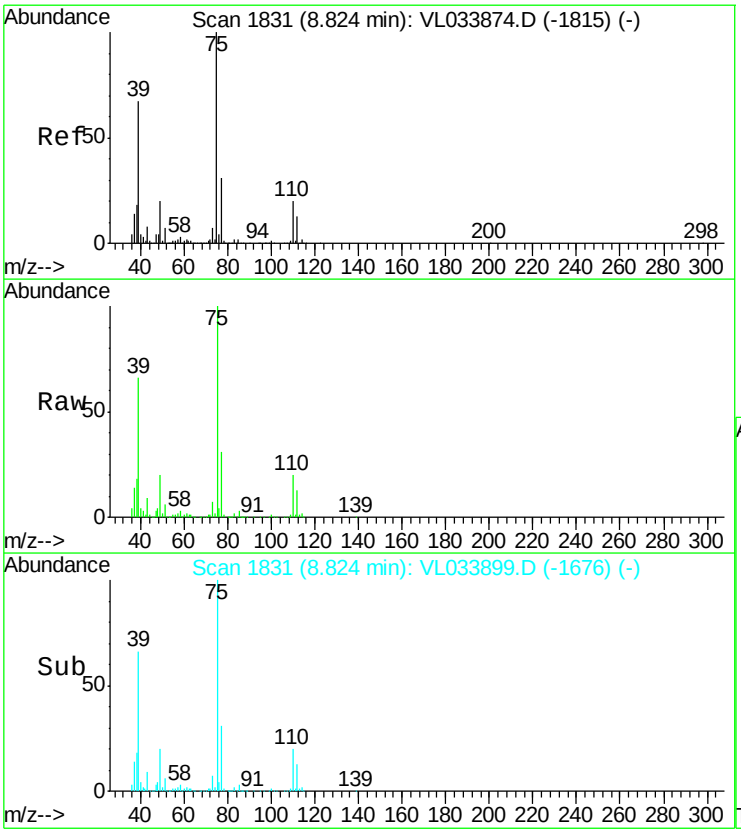
#45
t-1,3-Dichloropropene
Concen: 12.549 ppbv
RT: 9.40 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1183449

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

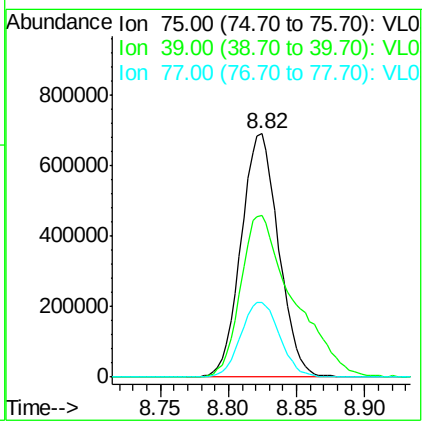


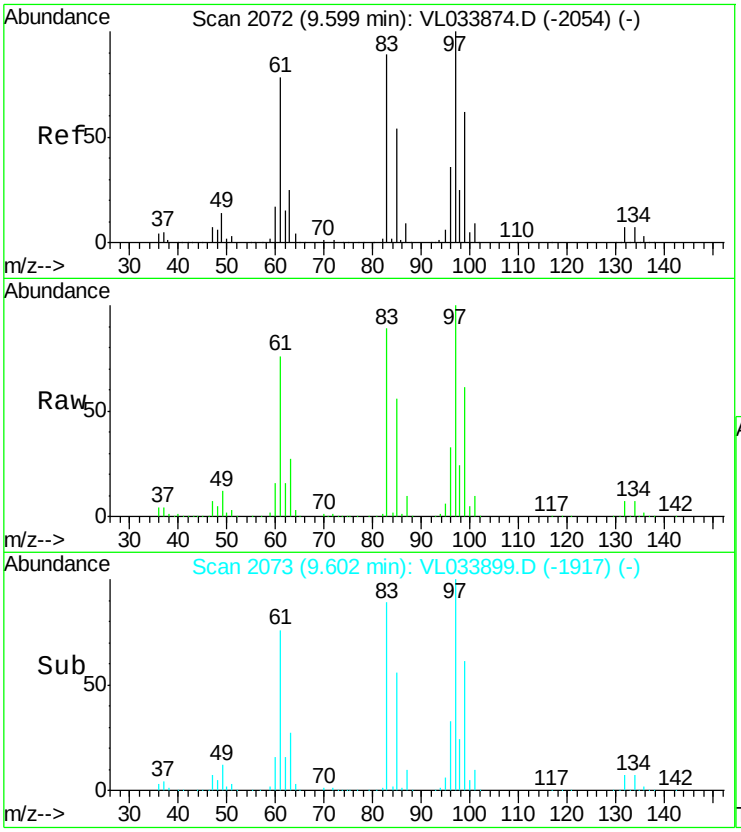


#46
cis-1,3-Dichloropropene
Concen: 12.213 ppbv
RT: 8.82 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 75 Resp: 1319568

Ion	Ratio	Lower	Upper
75	100		
39	66.1	53.8	80.8
77	30.8	24.6	36.8



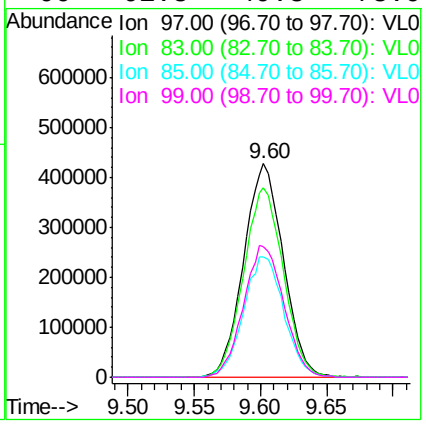


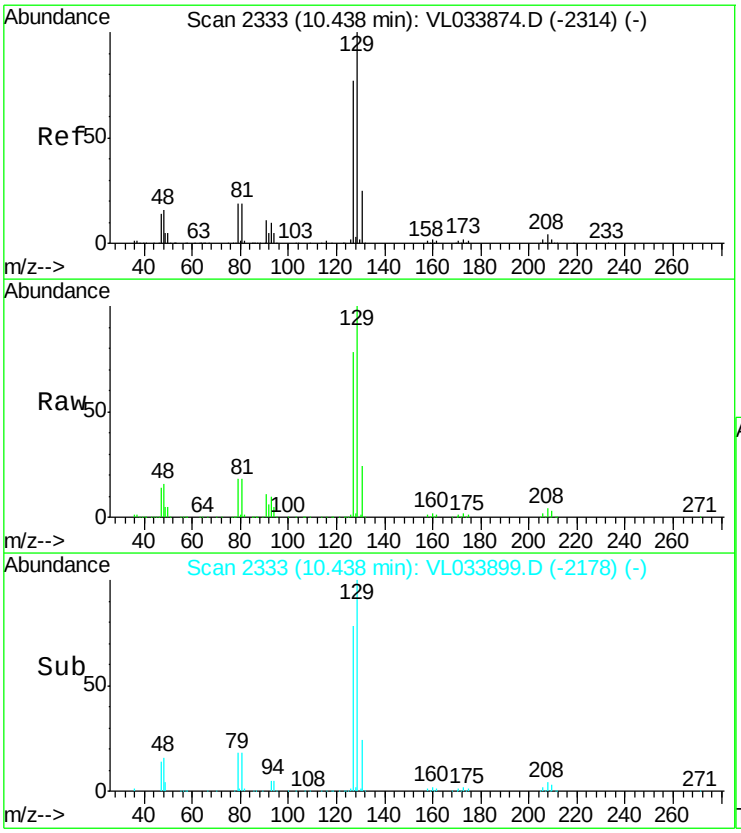
#47
1,1,2-Trichloroethane
Concen: 10.040 ppbv
RT: 9.60 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 887732

Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.9	106.3
85	56.2	43.0	64.6
99	61.3	49.3	73.9

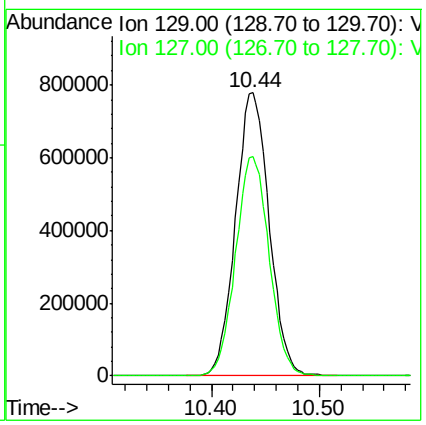


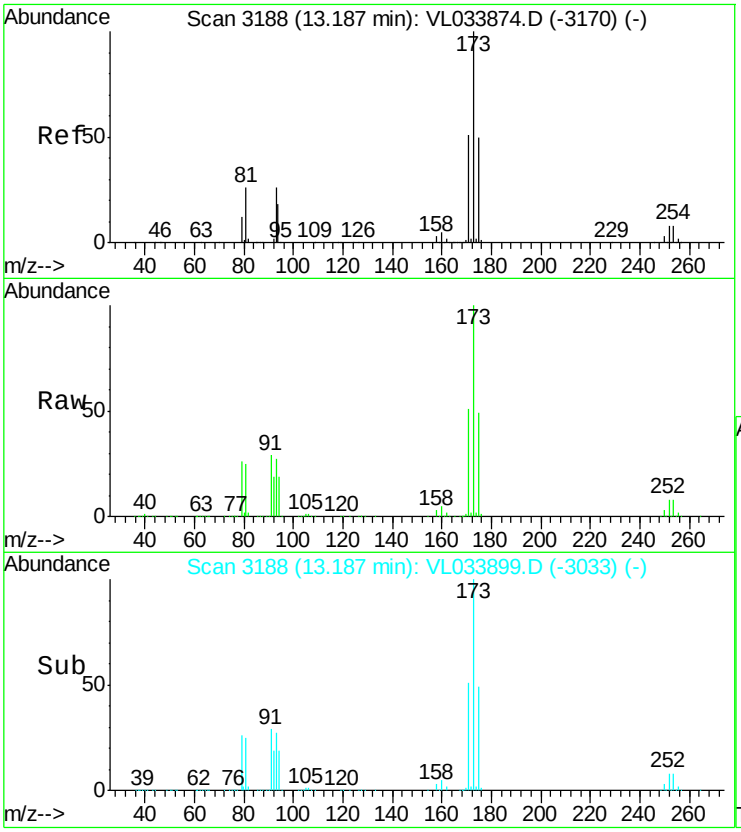


#48
Dibromochloromethane
Concen: 10.642 ppbv
RT: 10.44 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:129 Resp: 1690991

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7



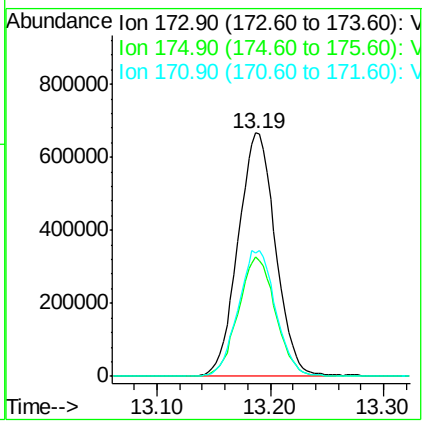


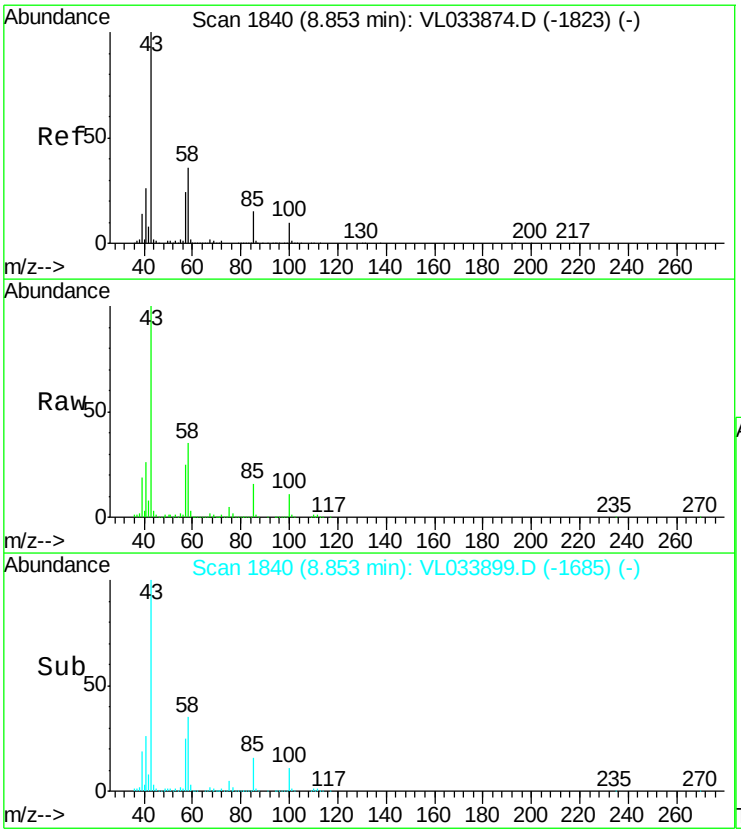
#49
Bromoform
Concen: 10.935 ppbv
RT: 13.19 min Scan# 3188
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1533841

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.6	59.4
171	52.1	41.8	62.8

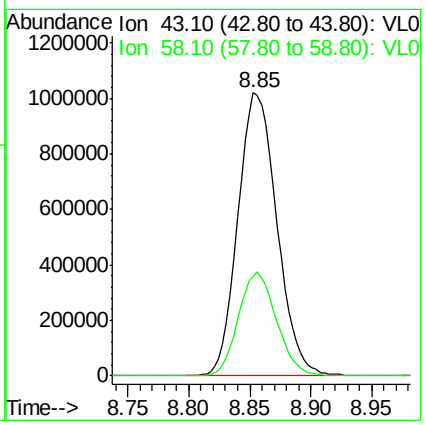


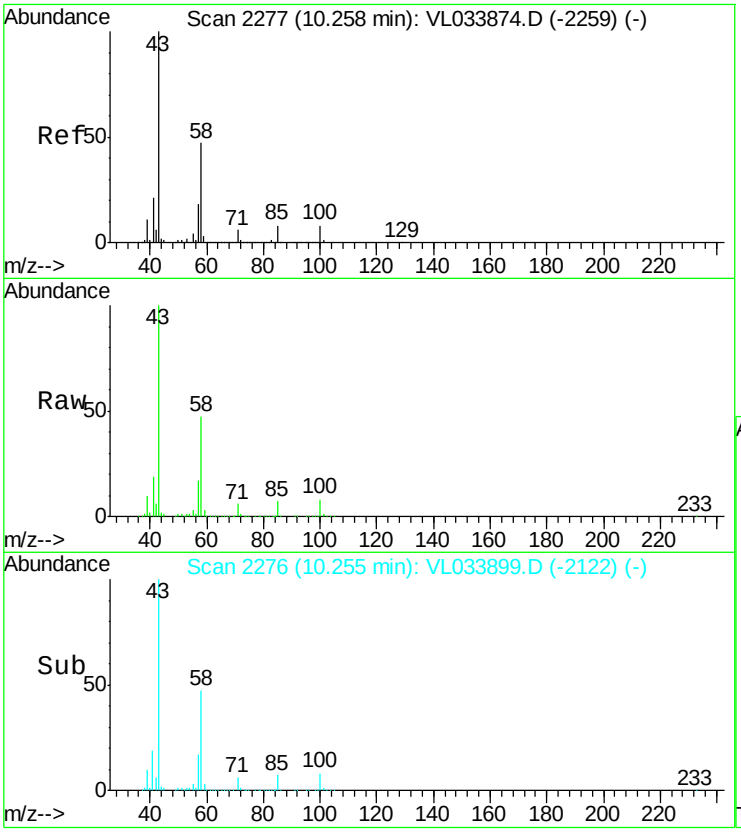


#50
4-Methyl-2-Pentanone
Concen: 10.648 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 43 Resp: 2253330

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	42.8



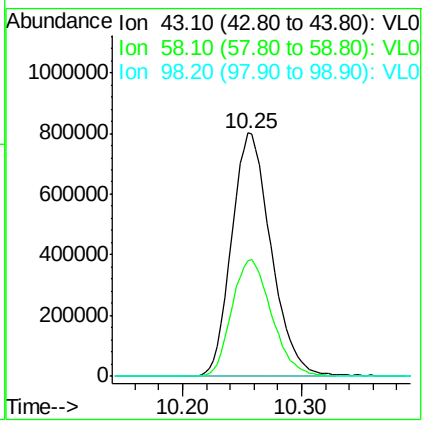


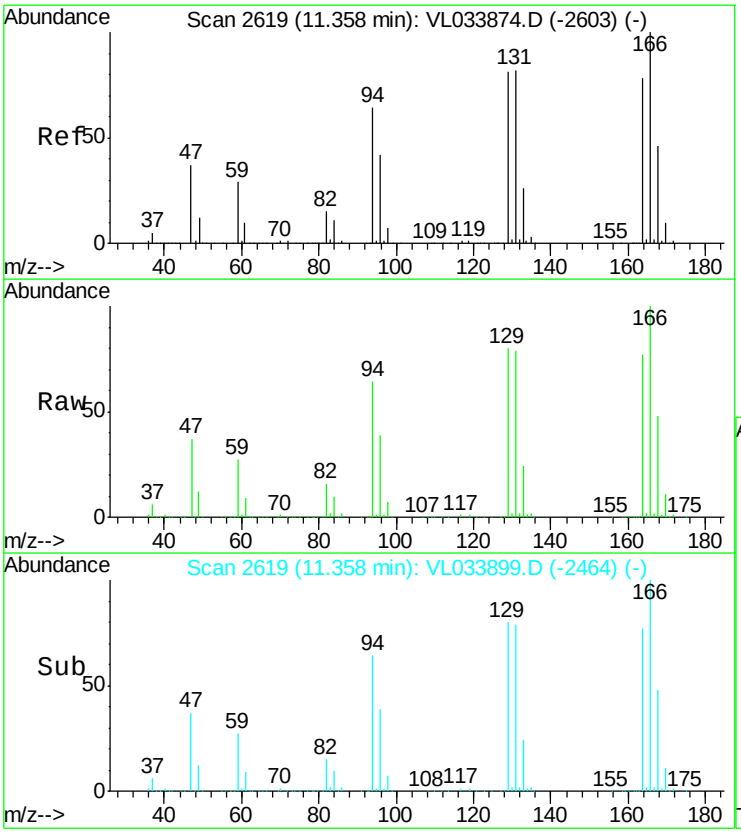
#51
2-Hexanone
Concen: 11.101 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1834441

Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.2	57.4
98	0.2	0.2	0.2

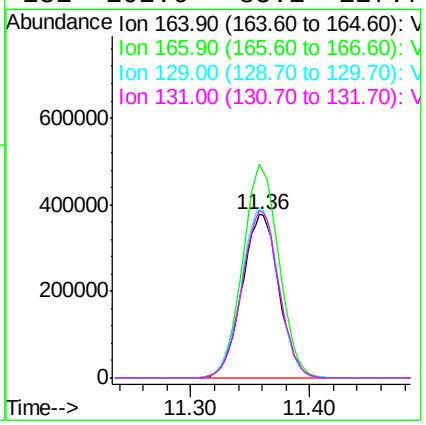


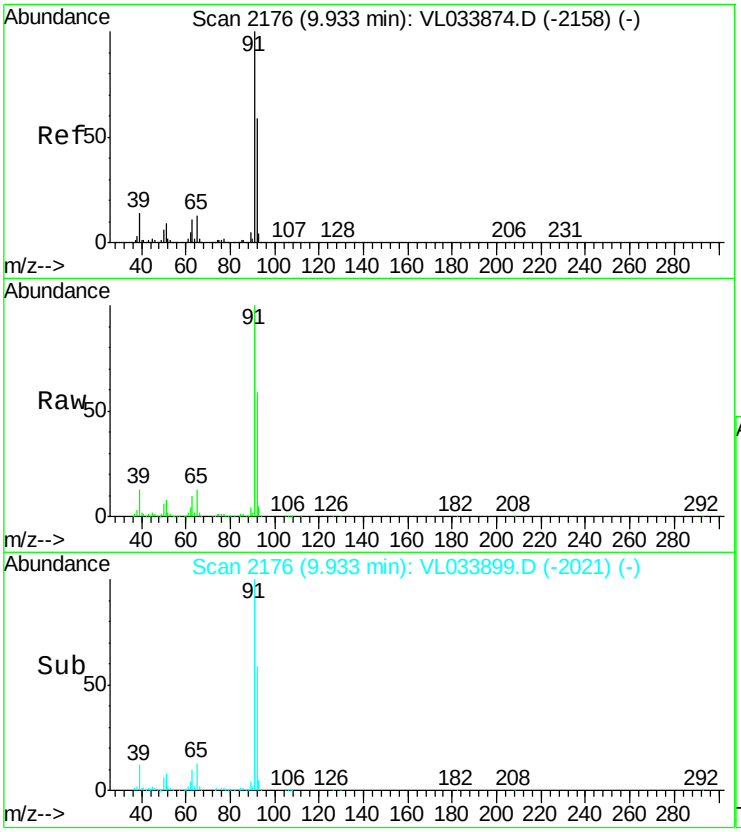


#52
Tetrachloroethene
Concen: 11.991 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:164 Resp: 810818

Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.1	154.7
129	104.3	83.9	125.9
131	102.6	85.1	127.7



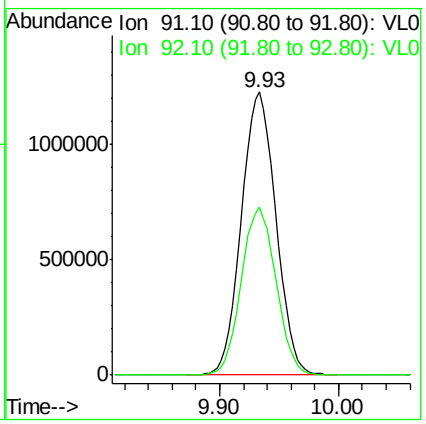


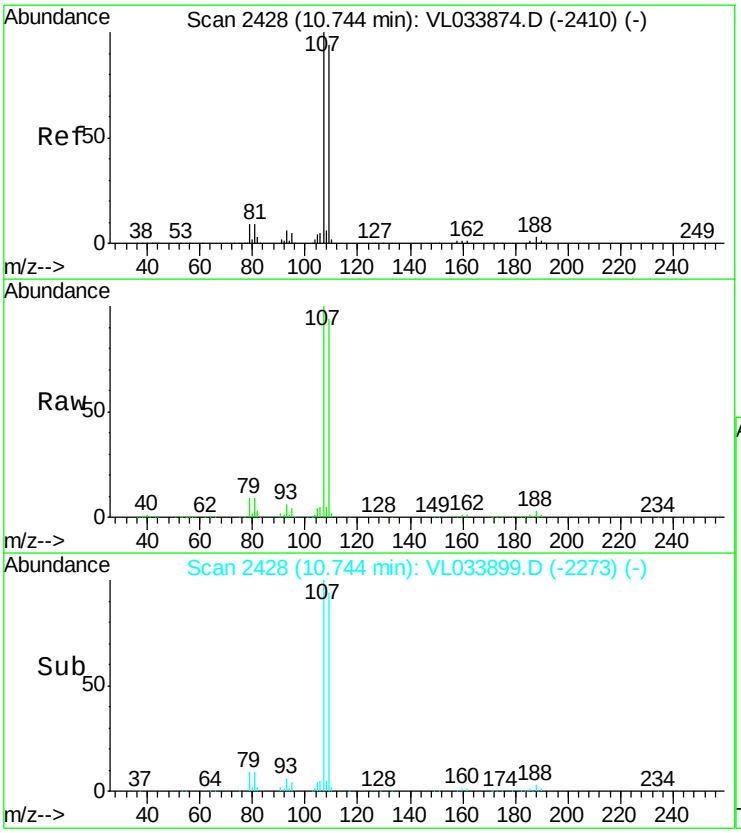
#53
Toluene
Concen: 11.590 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2464588

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.0	70.6

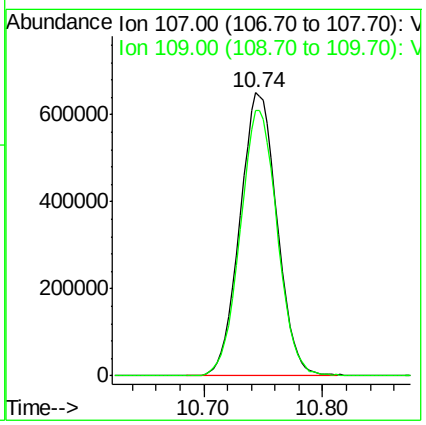


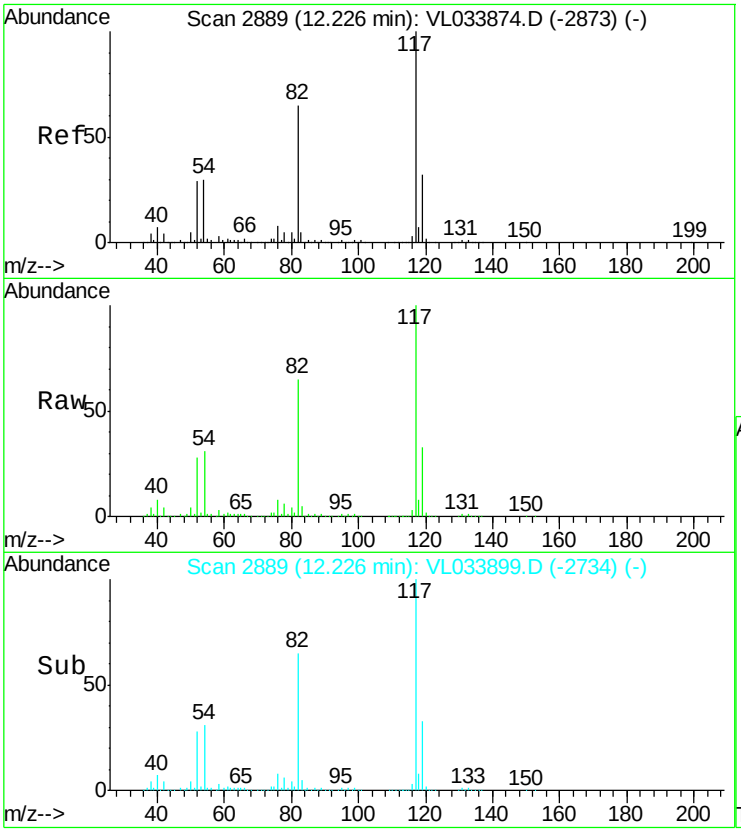


#54
1,2-Dibromoethane
Concen: 10.542 ppbv
RT: 10.74 min Scan# 2428
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:107 Resp: 1405076

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3



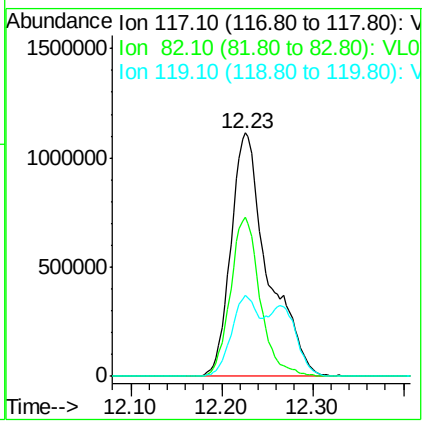


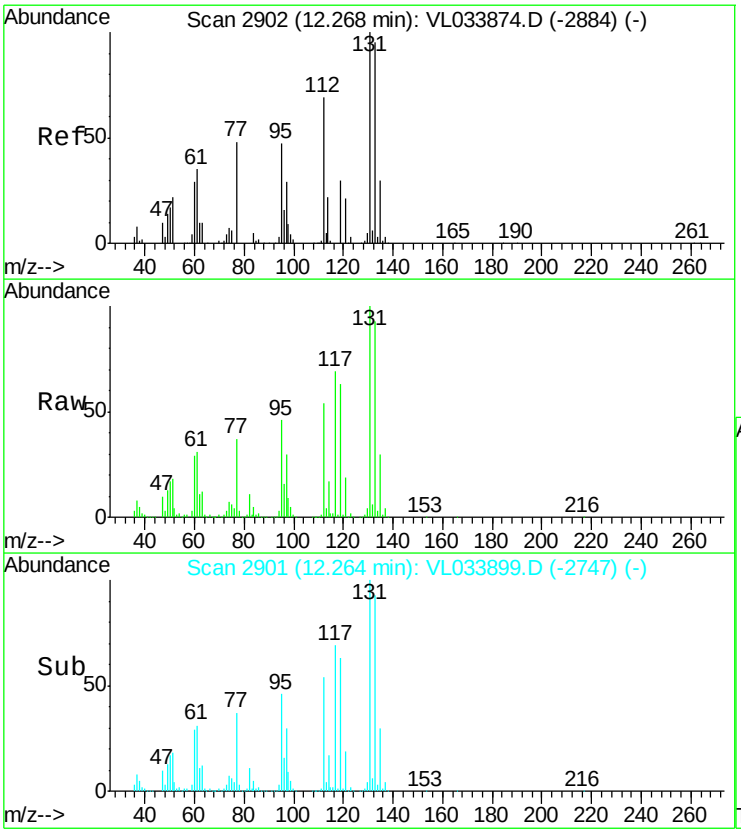
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3153097

Ion	Ratio	Lower	Upper
117	100		
82	52.6	50.2	75.2
119	24.7	24.8	37.2#

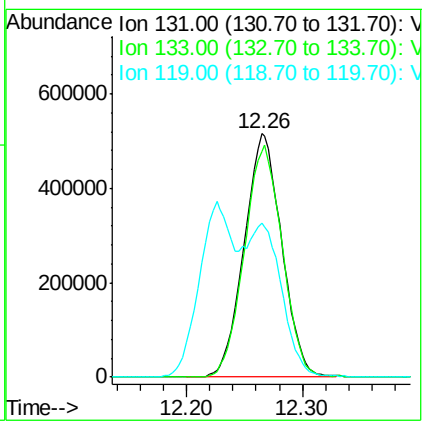


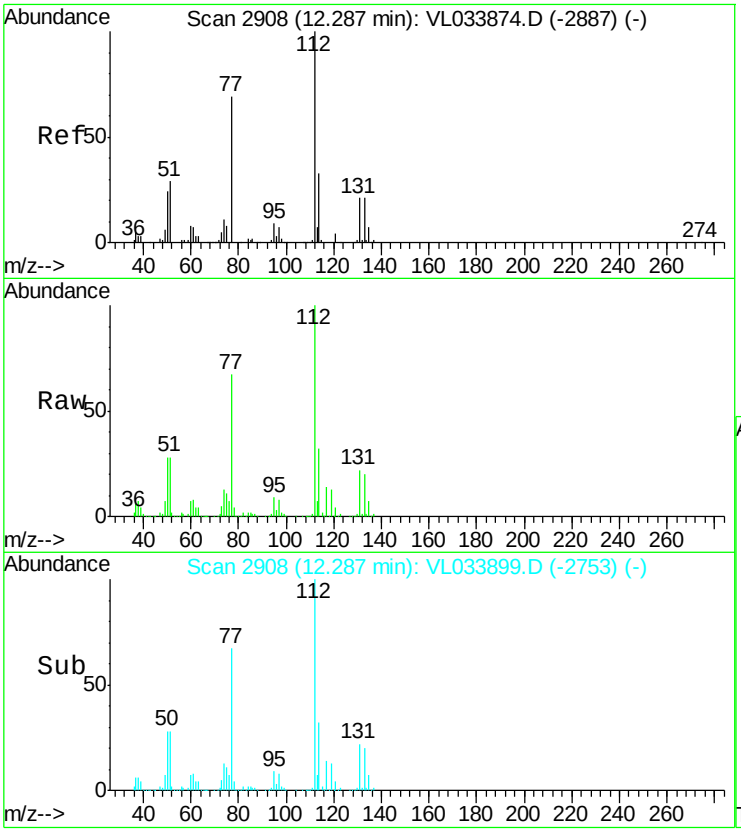


#56
1,1,1,2-Tetrachloroethane
Concen: 8.436 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:131 Resp: 1162047

Ion	Ratio	Lower	Upper
131	100		
133	96.3	76.5	114.7
119	57.2	42.6	64.0



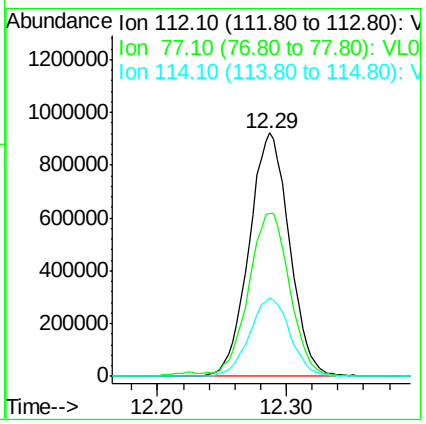


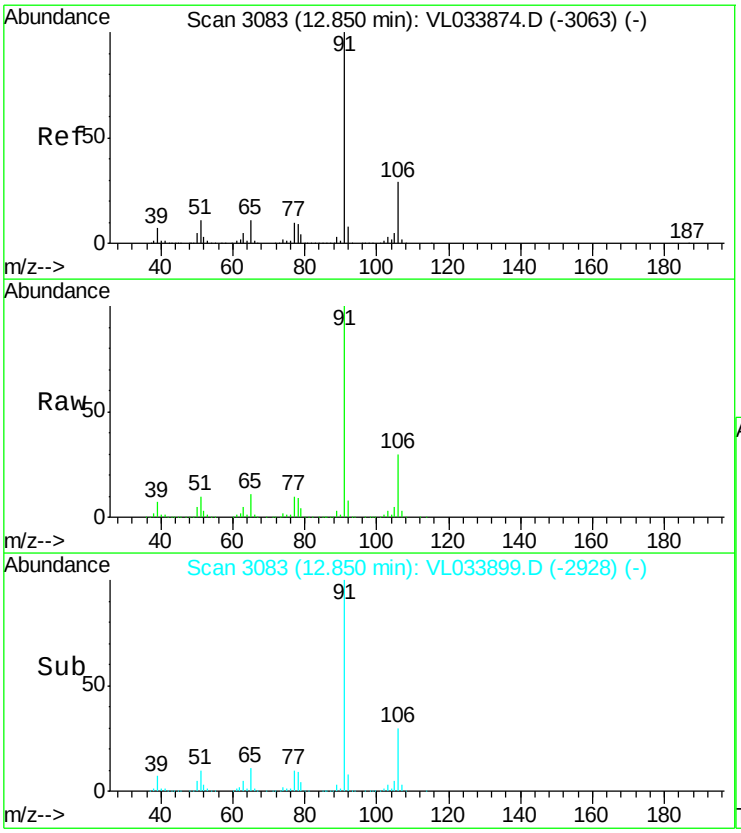
#57
Chlorobenzene
Concen: 8.495 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2006139

Ion	Ratio	Lower	Upper
112	100		
77	66.4	55.8	83.6
114	32.3	29.8	36.4

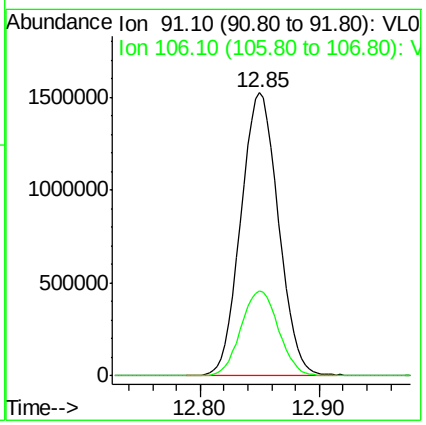


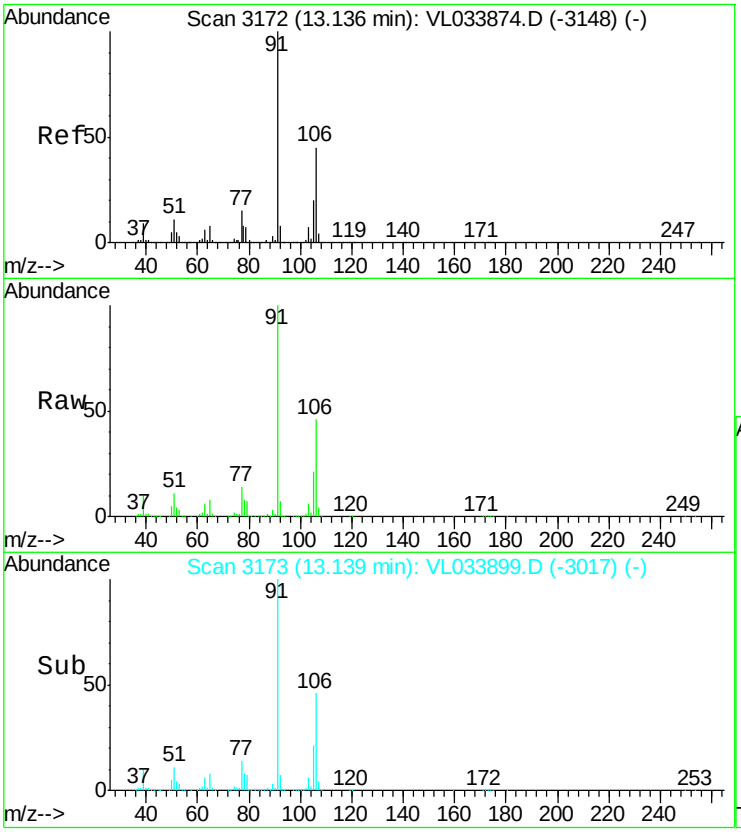


#58
Ethyl Benzene
Concen: 9.393 ppbv
RT: 12.85 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 91 Resp: 3339003

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.0	34.6



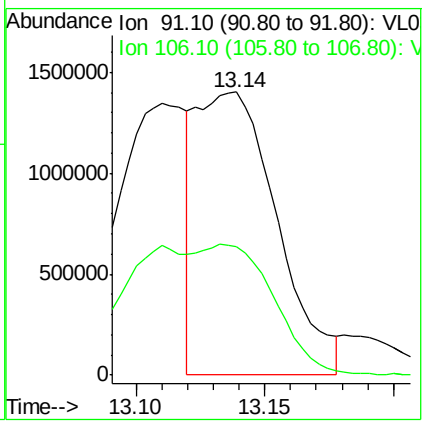


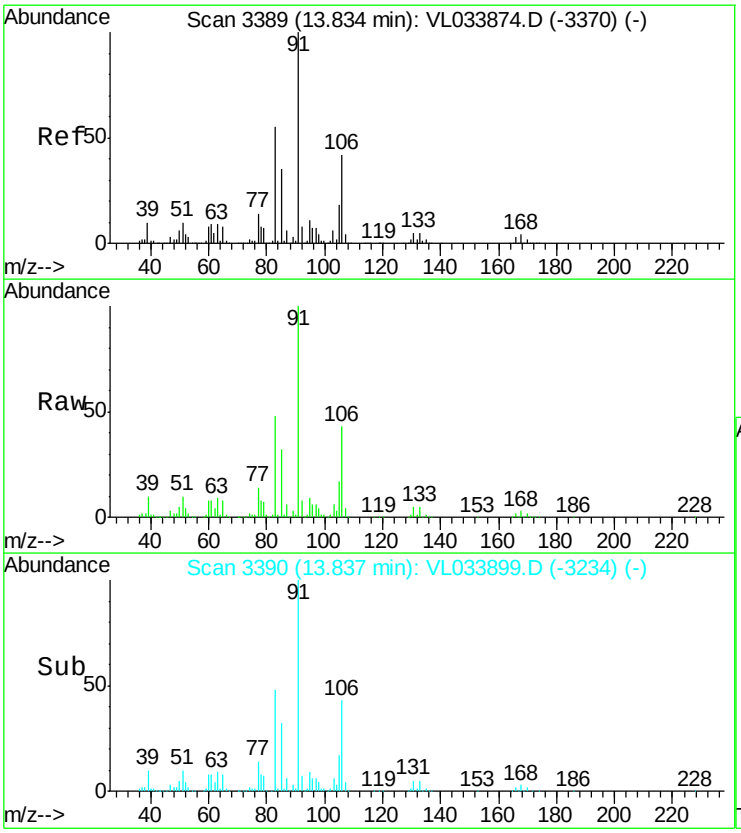
#59
m/p-Xylene
Concen: 9.349 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3022232

Ion	Ratio	Lower	Upper
91	100		
106	84.5	35.8	53.8#

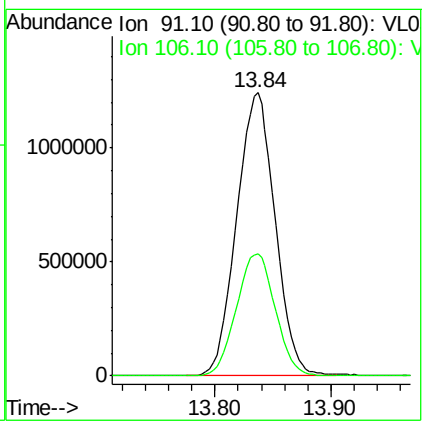


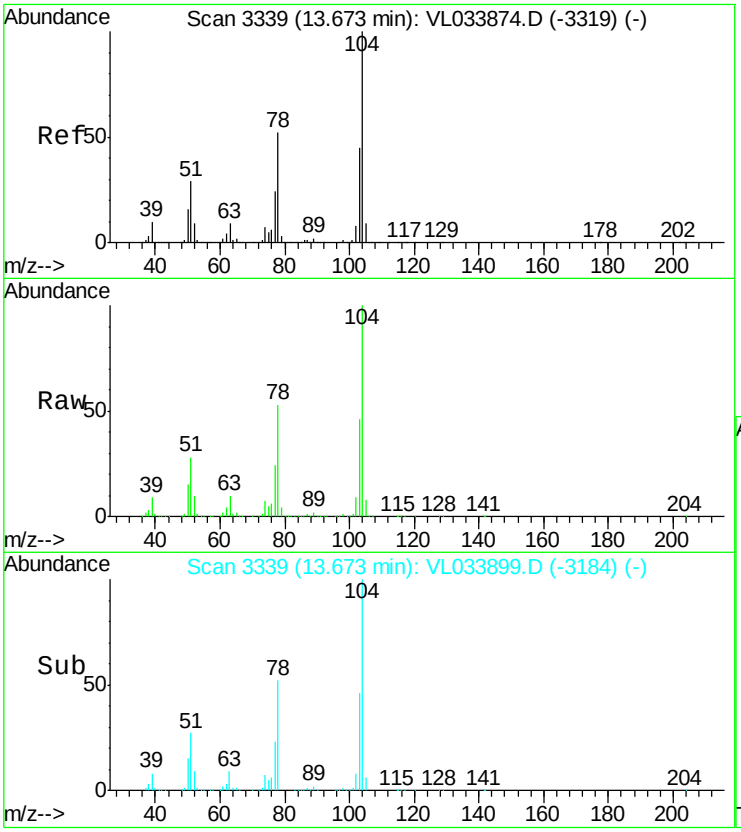


#60
o-Xylene
Concen: 8.552 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 91 Resp: 2854475

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.7	65.1



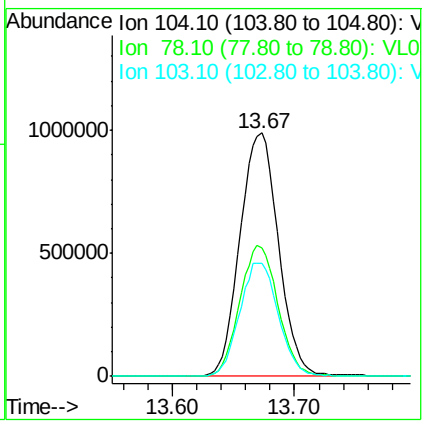


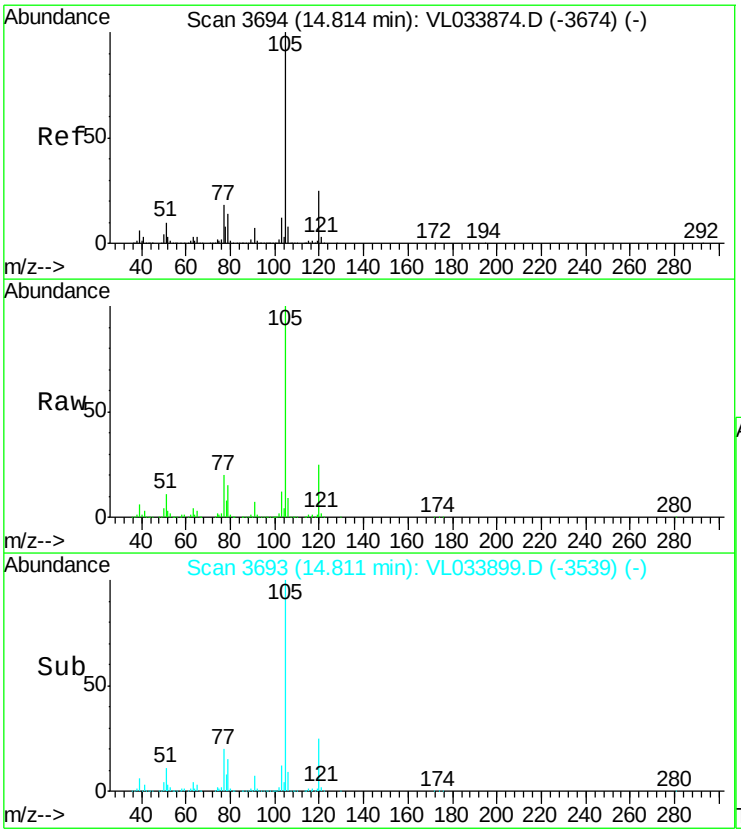
#61
Stvrene
Concen: 9.983 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2156408

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.0
103	47.0	37.6	56.4

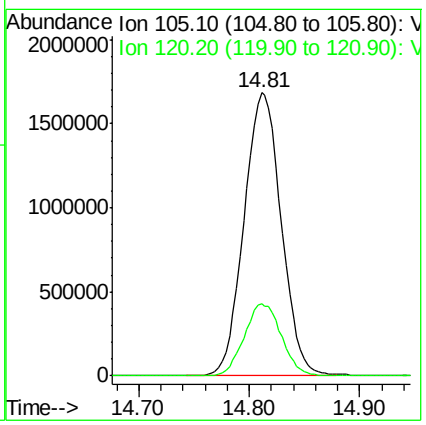


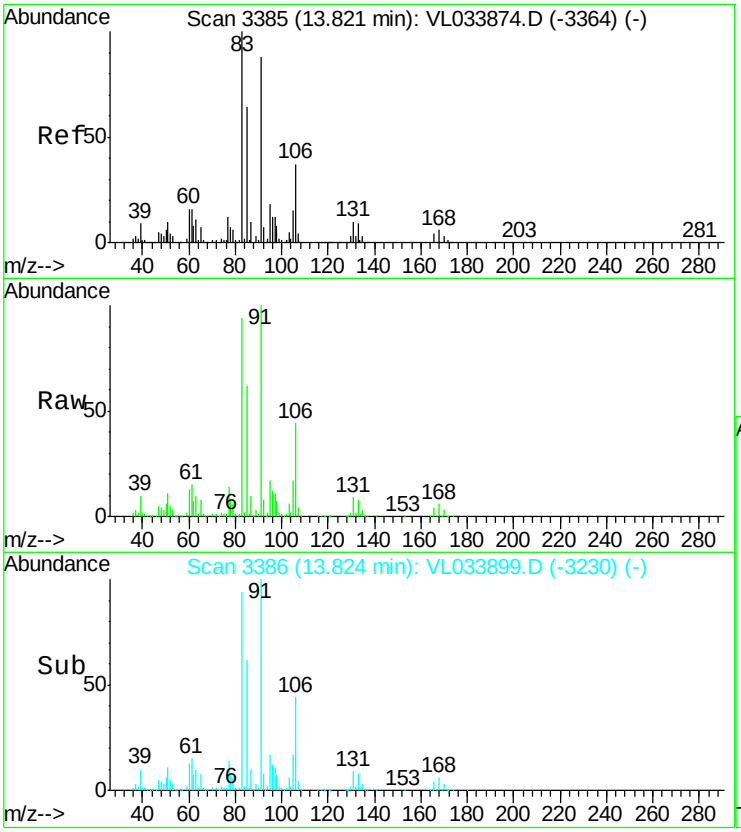


#62
Isopropylbenzene
Concen: 8.753 ppbv
RT: 14.81 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:105 Resp: 3937686

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.3	30.5



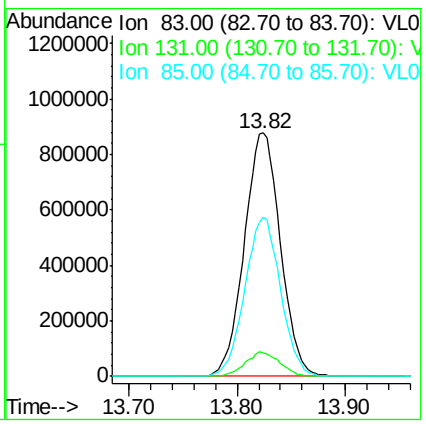


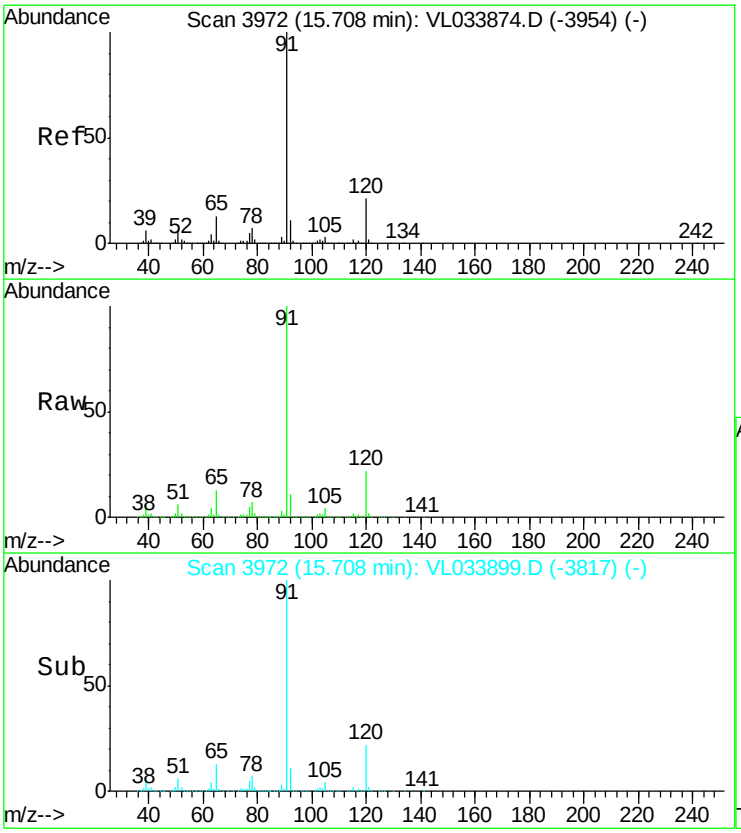
#63
1,1,2,2-Tetrachloroethane
Concen: 8.108 ppbv
RT: 13.82 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2037192

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.8	32.1	96.3

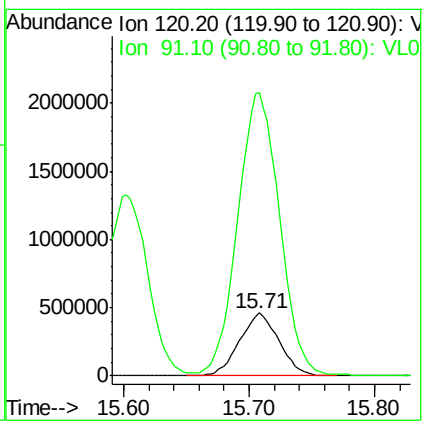


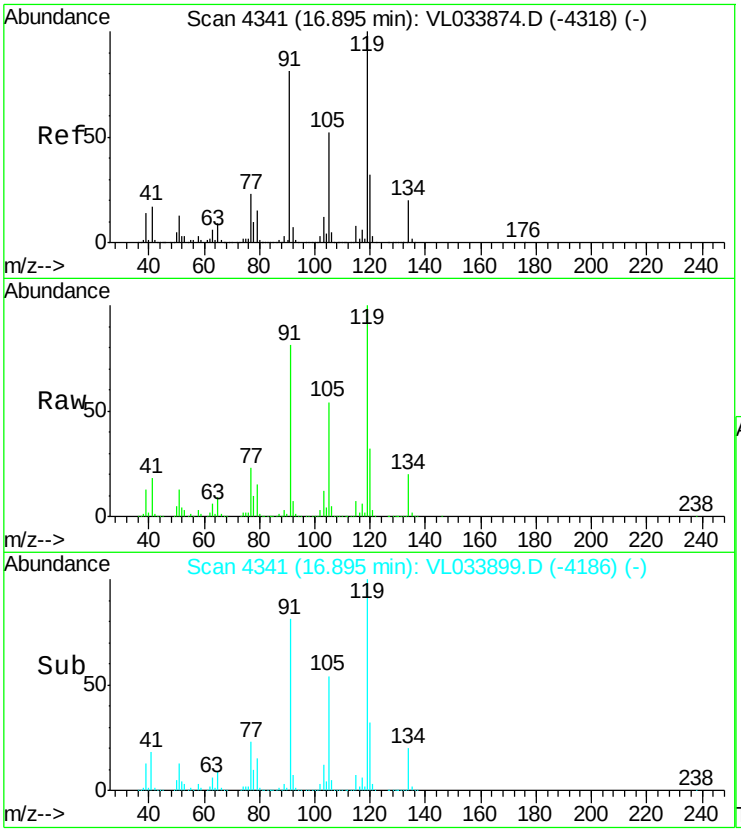


#64
n-propylbenzene
Concen: 8.792 ppbv
RT: 15.71 min Scan# 3972
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:120 Resp: 1012861

Ion	Ratio	Lower	Upper
120	100		
91	478.4	387.0	580.6



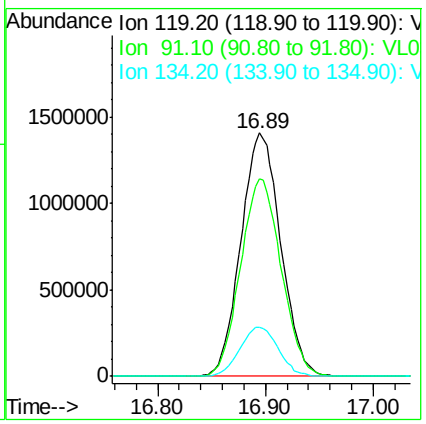


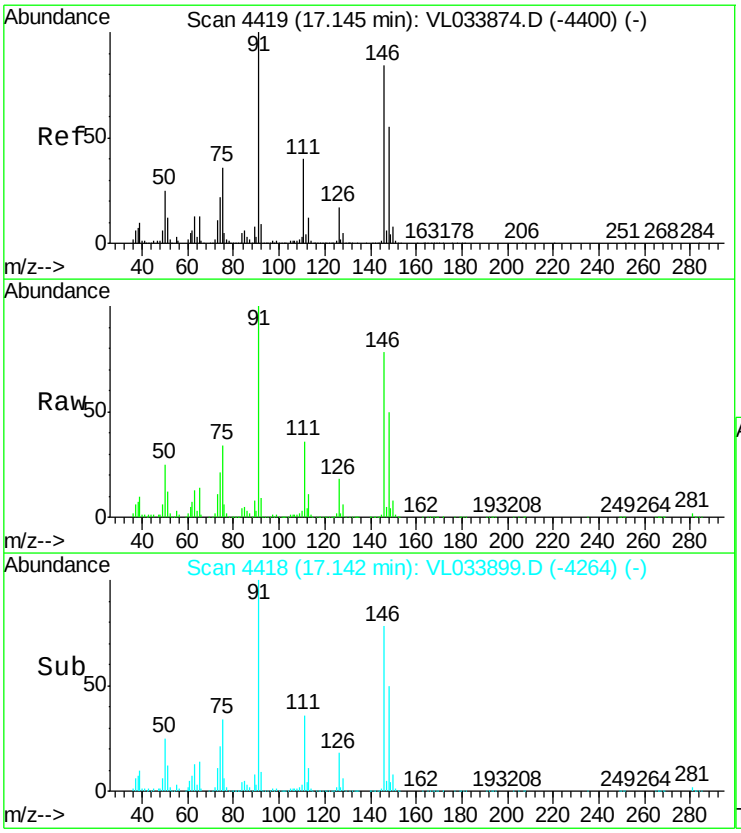
#65
tert-Butylbenzene
Concen: 8.659 ppbv
RT: 16.89 min Scan# 4341
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3604464

Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.6	100.0
134	19.6	15.5	23.3

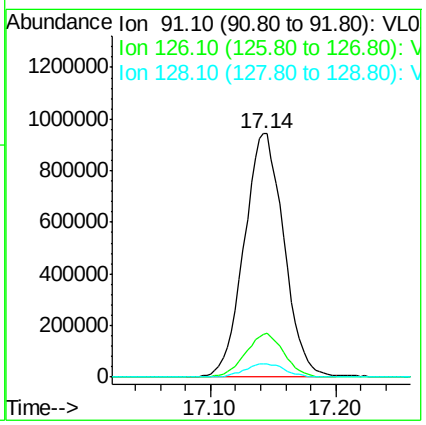


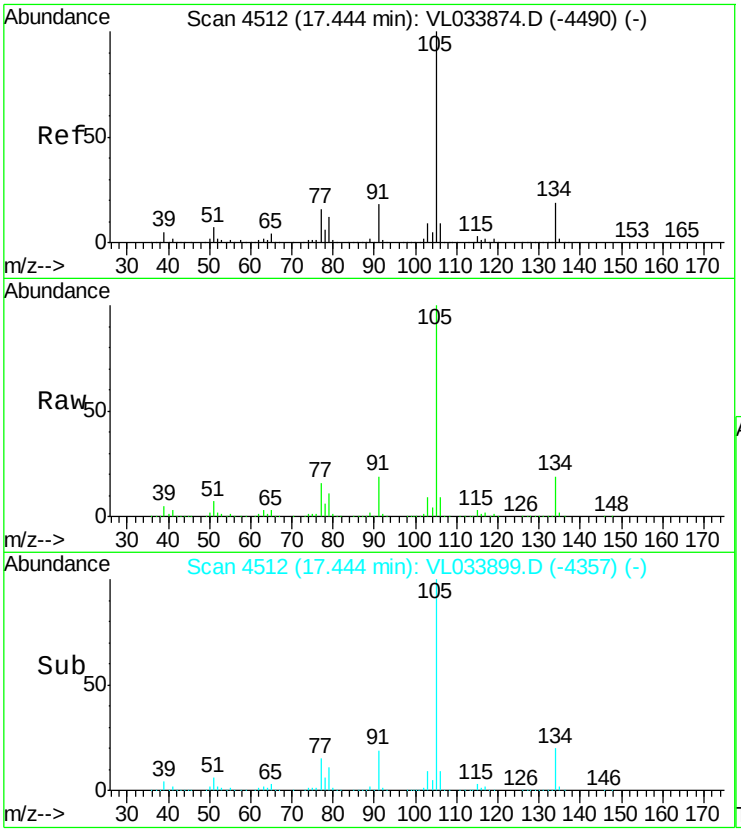


#66
Benzyl Chloride
Concen: 9.842 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 91 Resp: 2076038

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.6
128	5.7	4.4	6.6



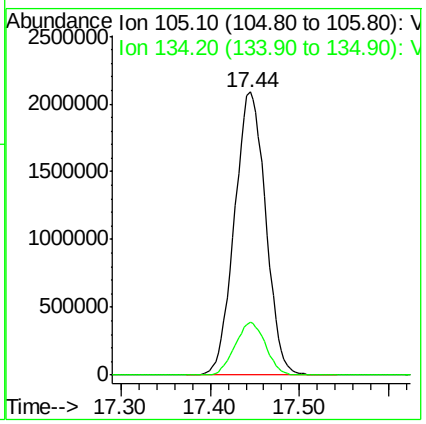


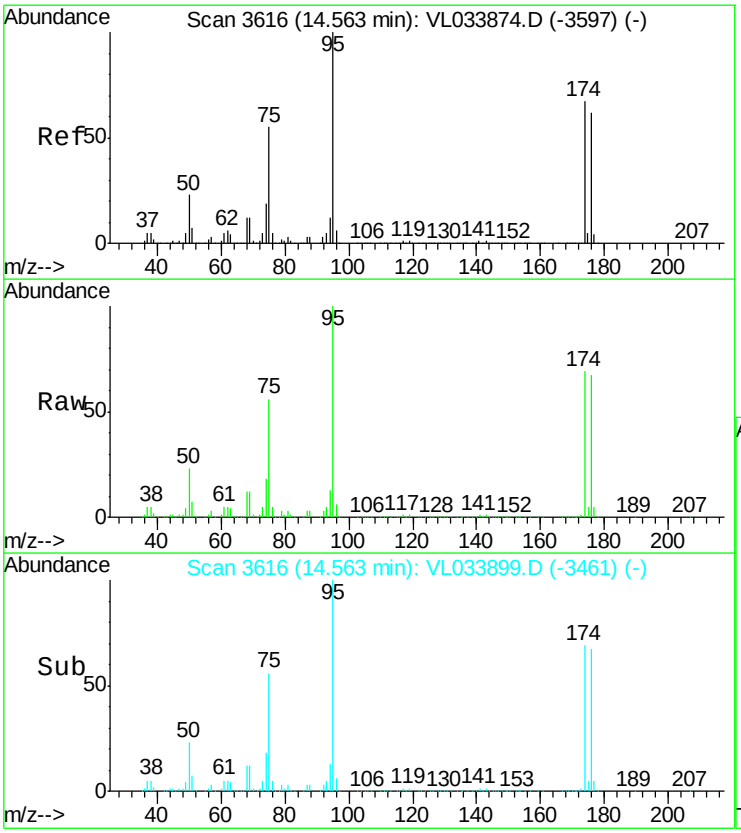
#67
sec-Butylbenzene
Concen: 8.657 ppbv
RT: 17.44 min Scan# 4512
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5055114

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	22.0

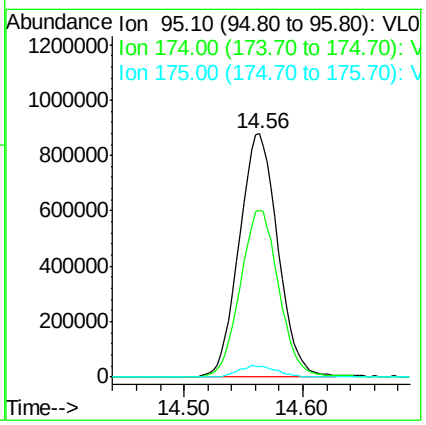


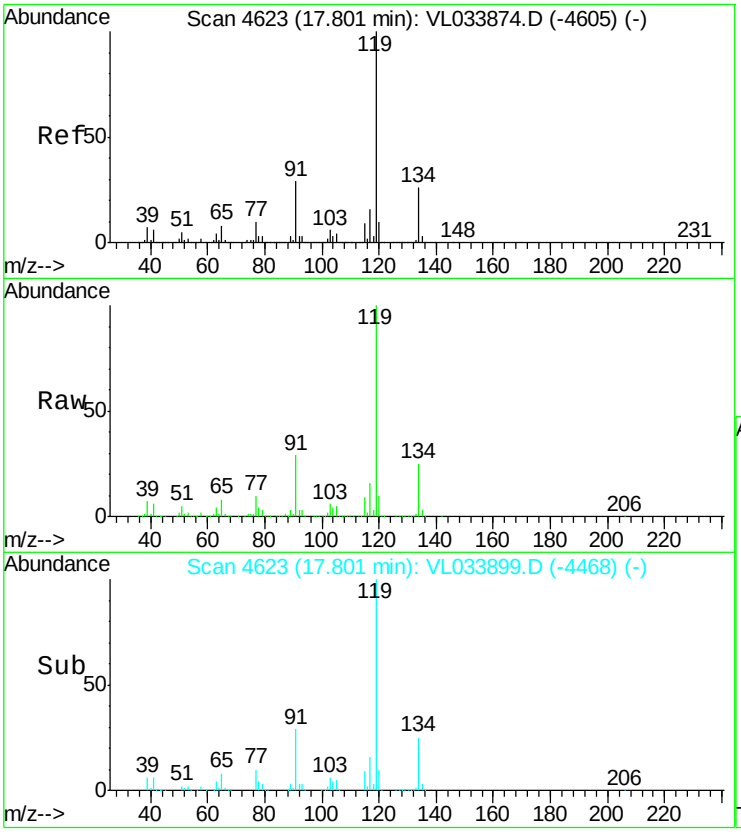


#68
1-Bromo-4-Fluorobenzene
Concen: 7.629 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 95 Resp: 1975862

Ion	Ratio	Lower	Upper
95	100		
174	68.7	54.0	81.0
175	4.7	3.8	5.8



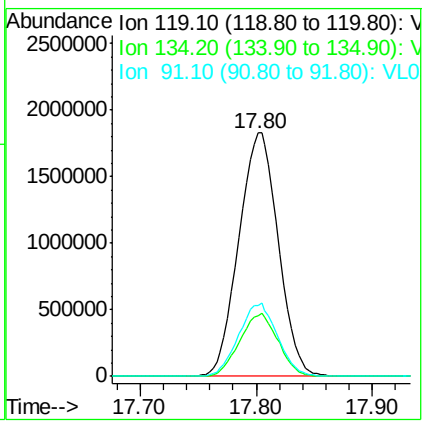


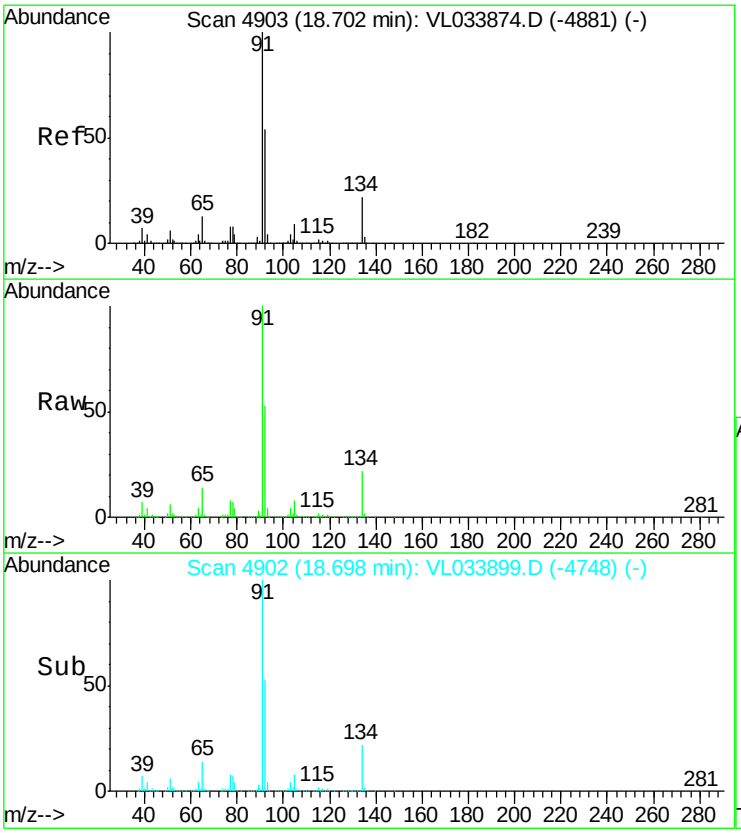
#69
p-Isopropyltoluene
Concen: 8.884 ppbv
RT: 17.80 min Scan# 4623
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4316415

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	29.6	23.8	35.6

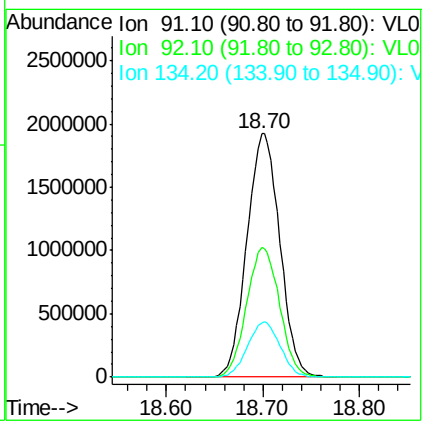


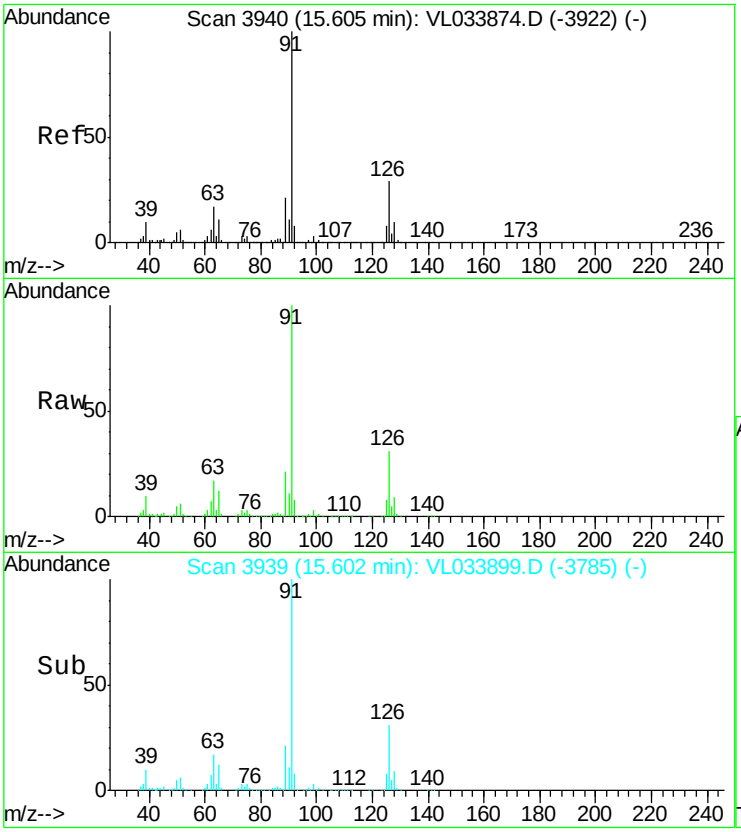


#70
n-Butylbenzene
Concen: 8.532 ppbv
RT: 18.70 min Scan# 4902
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion: 91 Resp: 4540256

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.5	63.7
134	22.5	17.8	26.6



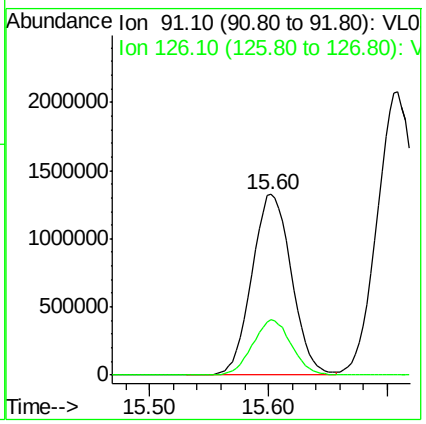


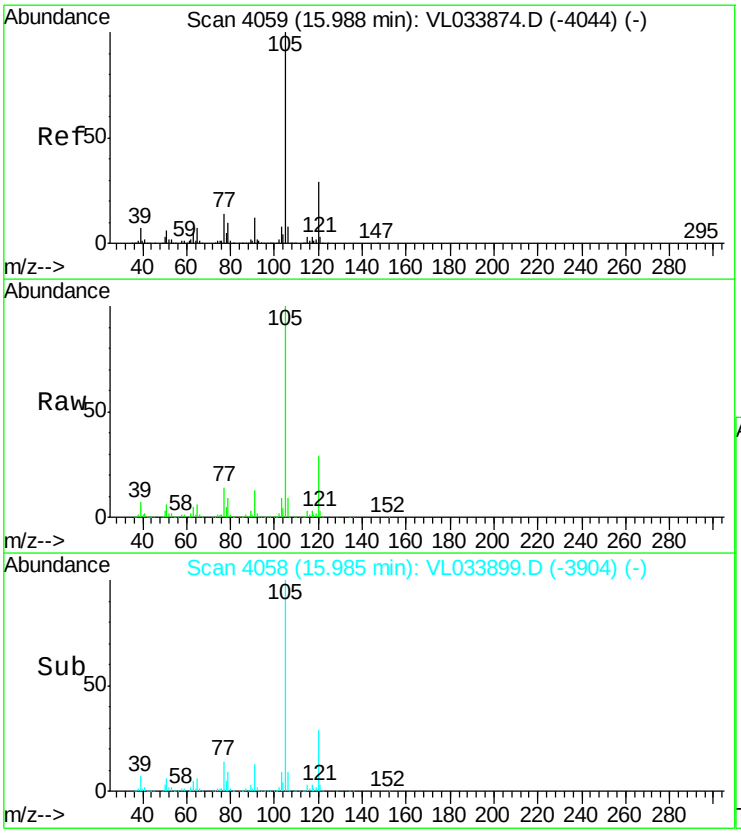
#71
2-Chlorotoluene
Concen: 9.216 ppbv
RT: 15.60 min Scan# 3939
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3054458

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	48.2

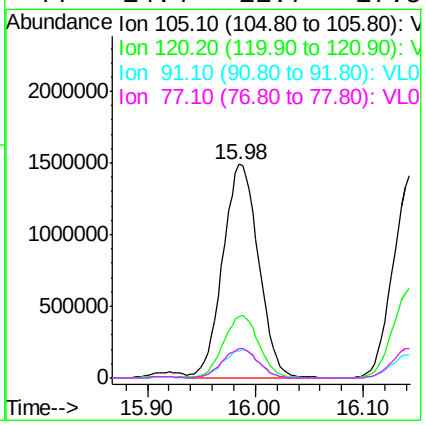


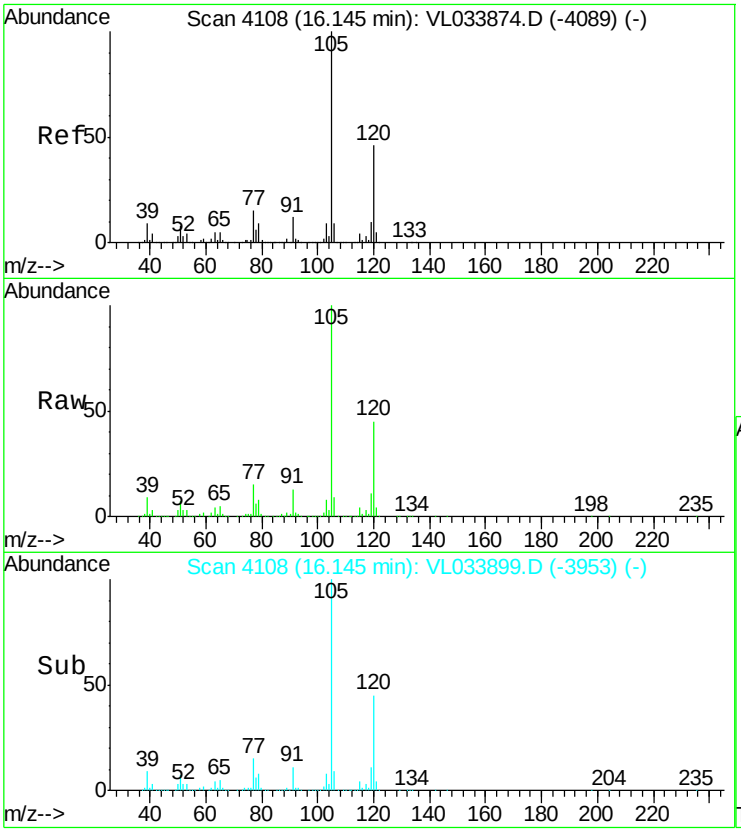


#72
4-Ethyltoluene
Concen: 9.035 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:105 Resp: 3431722

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.5	35.3
91	13.2	10.4	15.6
77	14.4	11.7	17.5



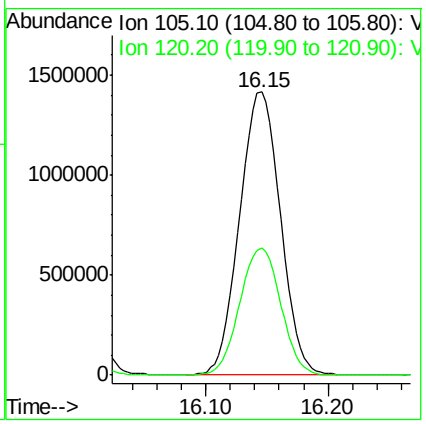


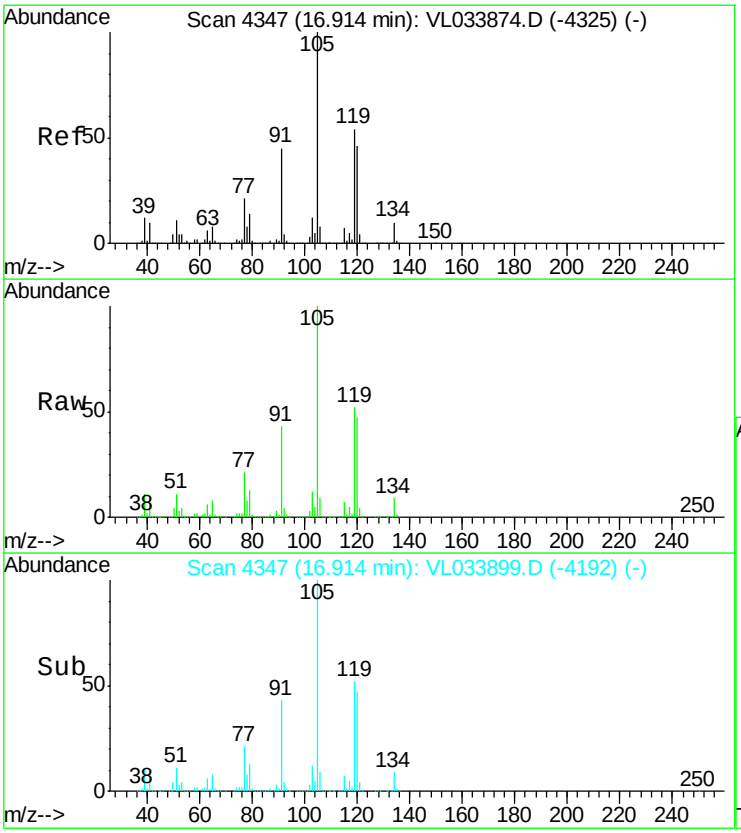
#73
1,3,5-Trimethylbenzene
Concen: 8.718 ppbv
RT: 16.15 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3261791

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.1	55.7

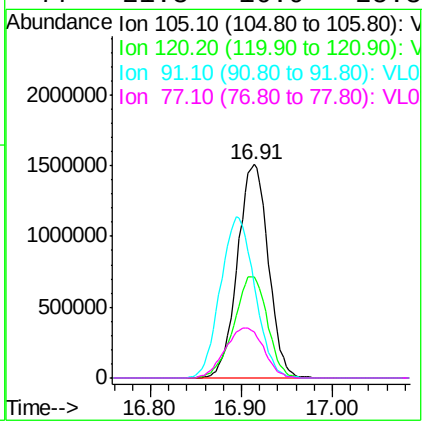


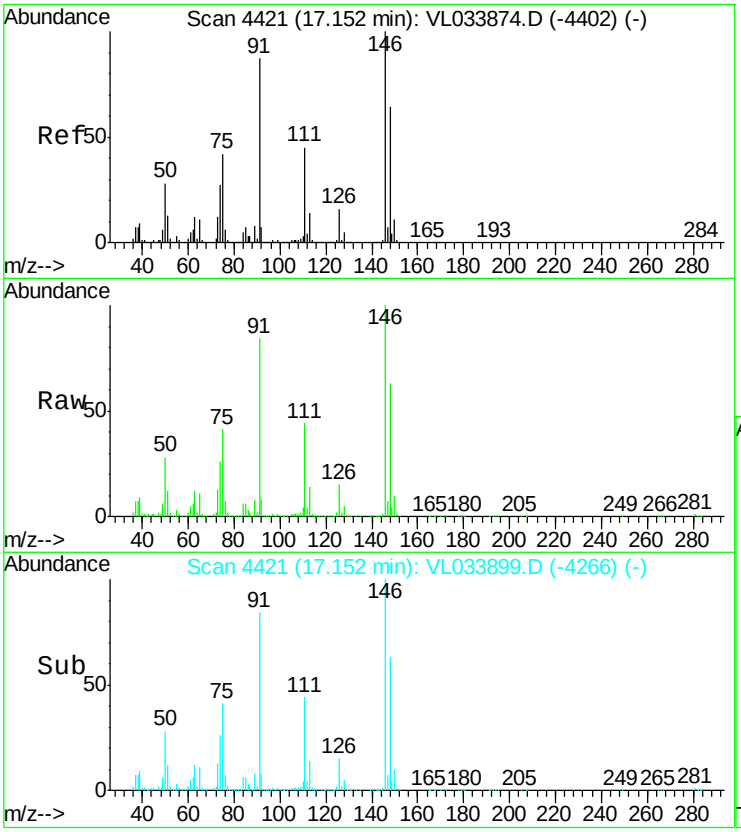


#74
1,2,4-Trimethylbenzene
Concen: 8.226 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:105 Resp: 3547299

Ion	Ratio	Lower	Upper
105	100		
120	47.3	36.7	55.1
91	43.3	35.8	53.8
77	21.3	16.9	25.3



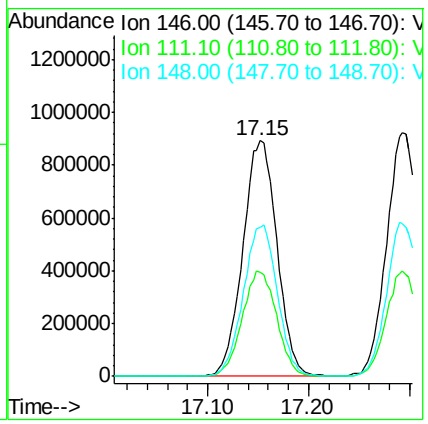


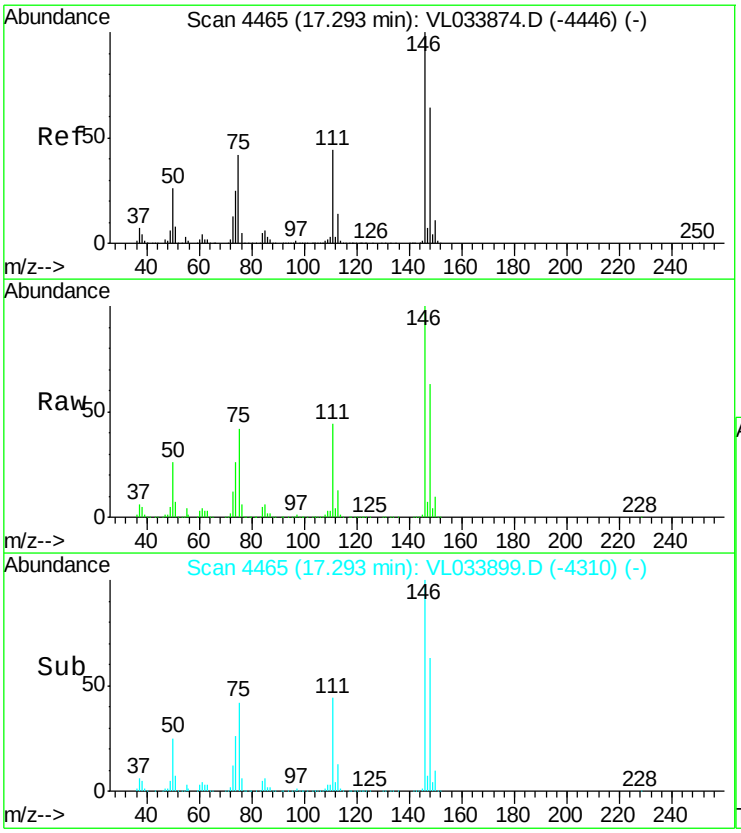
#75
1,3-Dichlorobenzene
Concen: 7.761 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2095985

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	63.9	32.2	96.6

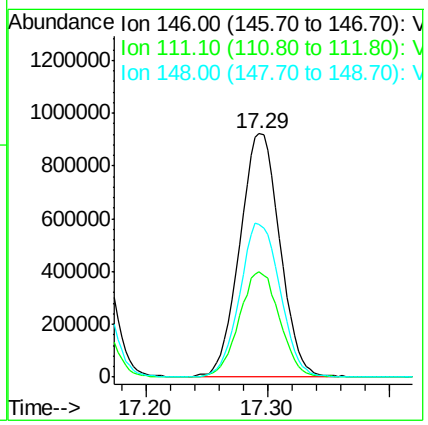


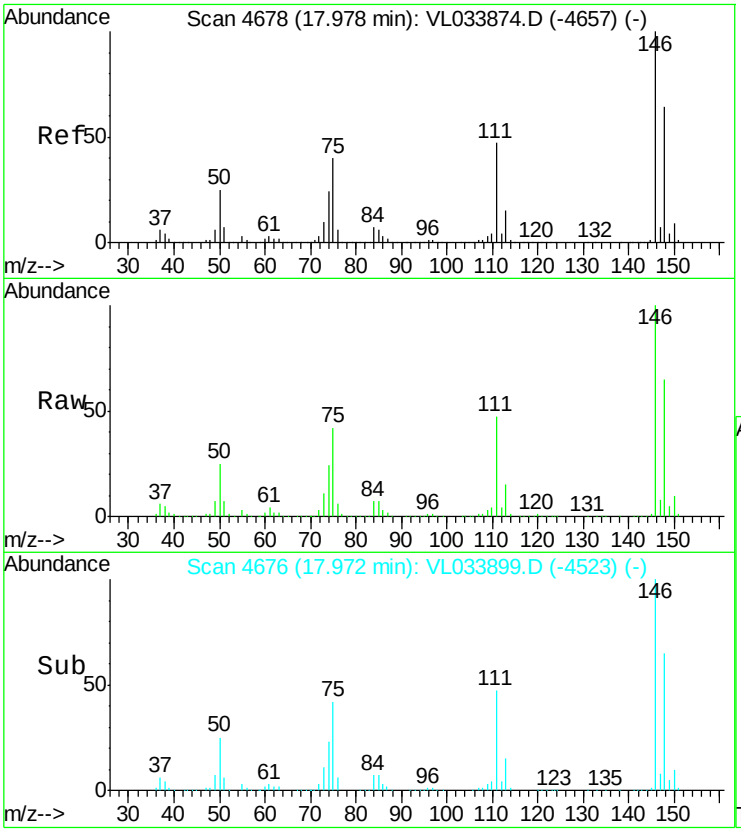


#76
1,4-Dichlorobenzene
Concen: 8.394 ppbv
RT: 17.29 min Scan# 4465
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:146 Resp: 2081275

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.5
148	64.4	32.4	97.0



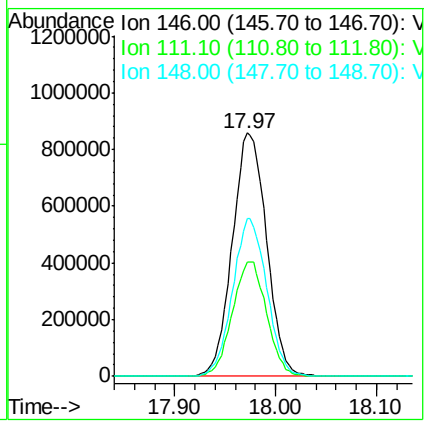


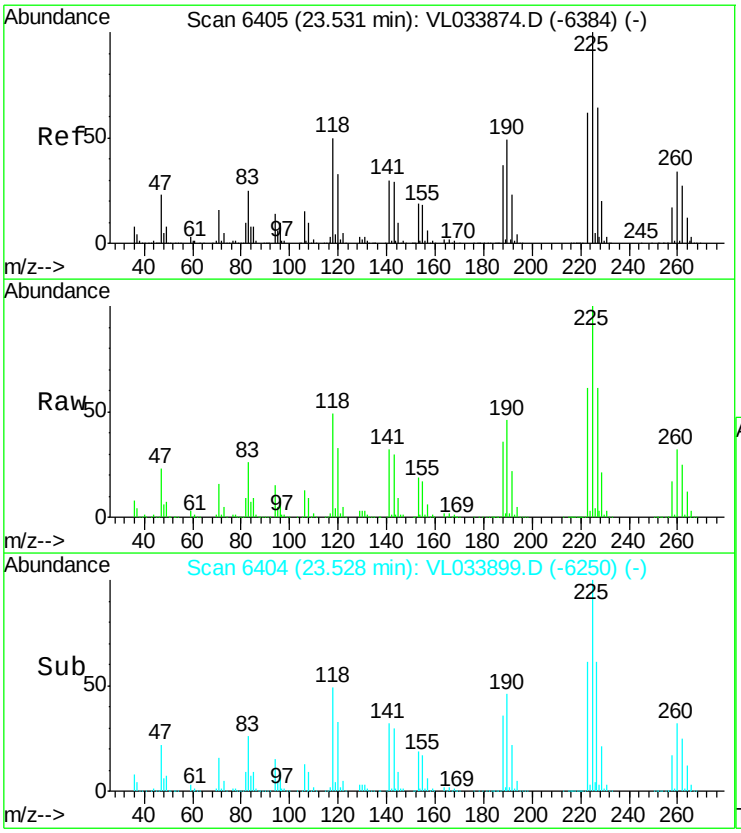
#77
1,2-Dichlorobenzene
Concen: 8.121 ppbv
RT: 17.97 min Scan# 4676
Delta R.T. -0.01 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2023787

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.0
148	64.5	31.8	95.4

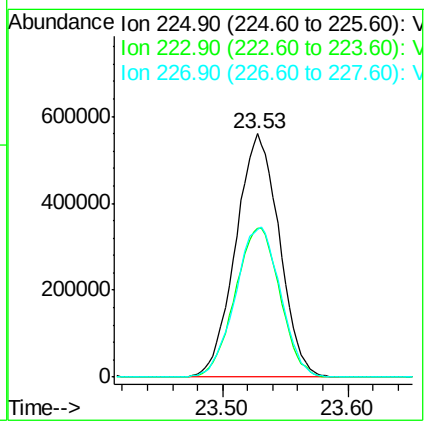


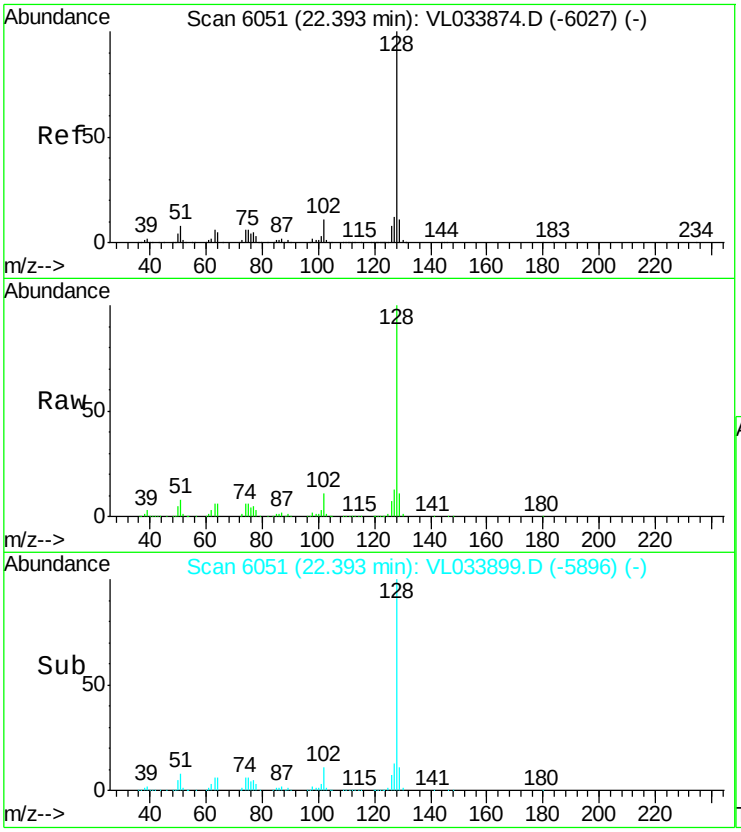


#78
Hexachloro-1,3-Butadiene
Concen: 6.934 ppbv
RT: 23.53 min Scan# 6404
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:225 Resp: 1349677

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.8	76.2
227	63.8	51.8	77.6



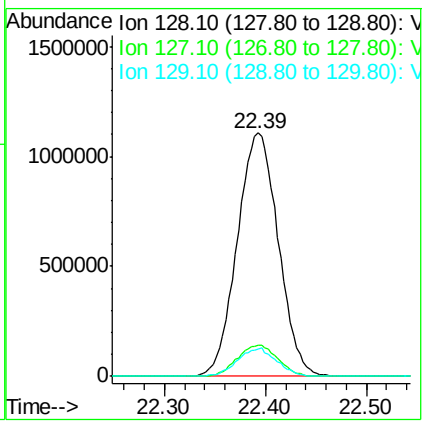


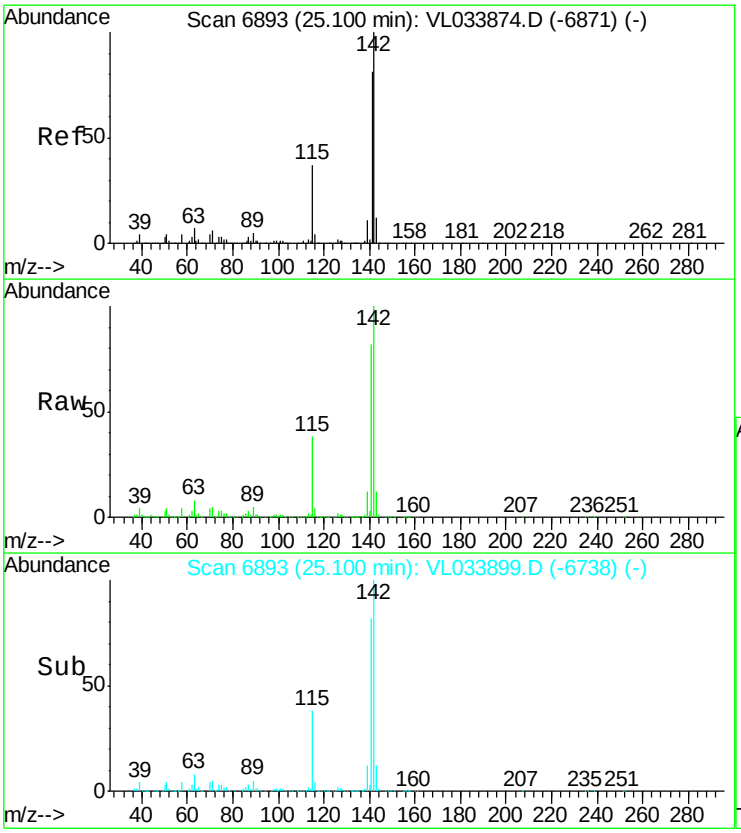
#79
Naphthalene
Concen: 9.062 ppbv
RT: 22.39 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3123444

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	11.1	8.6	12.8

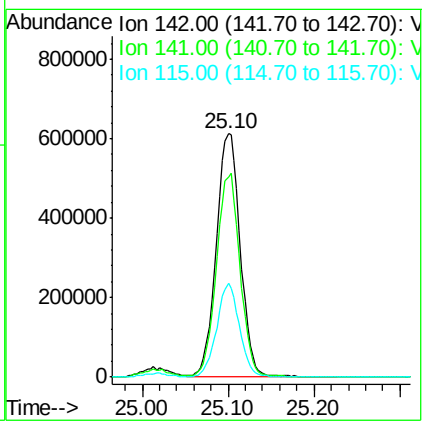


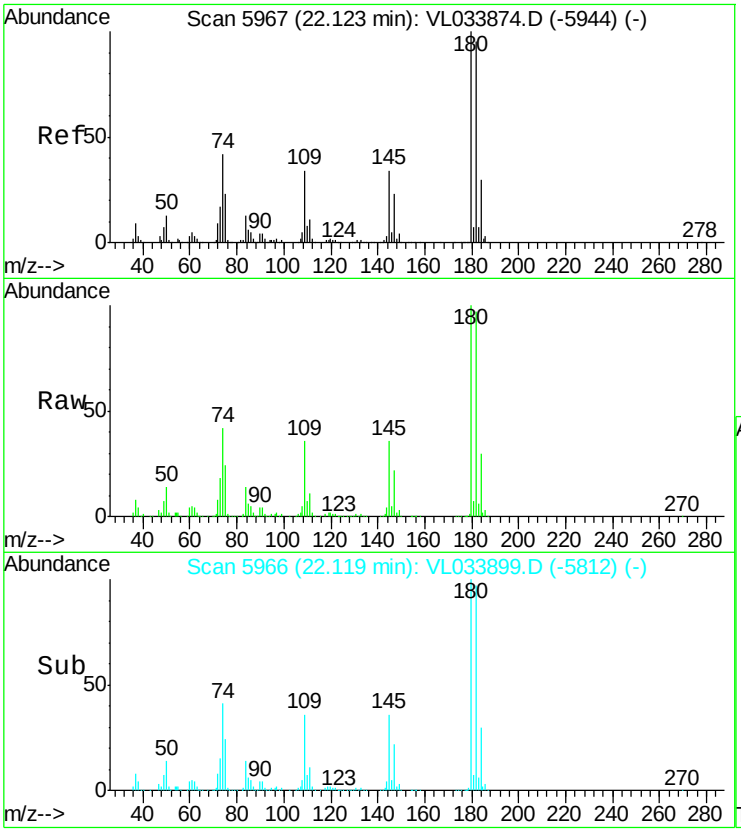


#80
Naphthalene,2-methyl-
Concen: 8.597 ppbv
RT: 25.10 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Tgt Ion:142 Resp: 1182299

Ion	Ratio	Lower	Upper
142	100		
141	83.0	65.7	98.5
115	36.7	28.9	43.3





#81
1,2,4-Trichlorobenzene
Concen: 8.495 ppbv
RT: 22.12 min Scan# 5966
Delta R.T. -0.00 min
Lab File: VL033899.D
Acq: 13 Jun 2019 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1848653

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
184	30.4	24.5	36.7