Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032481.D
Acq On : 10 Sep 2018 14:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:09:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1570944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3718375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	4453096	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.62	95	2804927	8.48	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.10	85	1735128	8.635	ppbv	99
3) Chlorodifluoromethane	3.04	51	1214724	8.542	ppbv	98
4) Chloromethane	3.20	50	720580	8.368	ppbv	100
5) Vinyl Chloride	3.32	62	687799	8.093	ppbv	99
6) Bromomethane	3.54	94	402863	9.031	ppbv	98
7) Chloroethane	3.63	64	257772	8.763	ppbv	98
8) Dichlorotetrafluoroethane	3.25	85	1428212	8.008	ppbv	99
9) Propene	3.06	41	611877	10.667	ppbv	99
10) Heptane	8.29	43	2377433	11.553	ppbv	100
11) Trichlorofluoromethane	4.04	101	1458569	8.050	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1259913	10.261	ppbv	99
13) Ethanol	3.68	45	135977	7.605	ppbv	93
14) Bromoethene	3.82	108	462077	8.883	ppbv	99
15) Acetone	3.93	43	1171022	8.278	ppbv	100
16) 1,3-Butadiene	3.39	39	607156	9.121	ppbv	91
17) tert-Butyl alcohol	4.39	59	214619	9.858	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	614462	10.950	ppbv	96
19) Isopropyl Alcohol	4.06	45	861275	9.280	ppbv #	98
20) Methylene Chloride	4.44	84	542621	10.059	ppbv	97
21) Allyl Chloride	4.51	41	1107946	11.792	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	596594	9.798	ppbv	99
23) Vinyl Acetate	5.19	43	2694971	11.493	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1878642	9.723	ppbv	99
25) Ethyl Acetate	5.81	43	3196641	9.569	ppbv	100
26) Hexane	5.82	57	1466823	9.806	ppbv	98
27) Carbon Disulfide	4.66	76	1580752	11.448	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2104024	11.456	ppbv	99
29) Chloroform	5.89	83	2143175	9.397	ppbv	99
30) Cyclohexane	7.29	84	1347642	12.304	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1492016	11.015	ppbv	98
32) 1,1,1-Trichloroethane	6.66	97	2030098	9.549	ppbv	98
34) 2-Butanone	5.36	43	2211061	8.952	ppbv	100
35) Carbon Tetrachloride	7.18	117	2295689	9.186	ppbv	99
36) Benzene	7.05	78	3250700	10.273	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1591498	8.207	ppbv	100
38) Trichloroethene	8.01	130	1154422	9.604	ppbv	94
39) 1,2-Dichloropropane	7.78	63	1403922	10.370	ppbv	98
40) 1,4-Dioxane	8.00	88	454687	11.194	ppbv	82
41) Tetrahydrofuran	6.19	42	1361815	10.128	ppbv	100
42) Bromodichloromethane	7.96	83	2644824	9.889	ppbv	99
43) Methyl Methacrylate	8.18	69	1445153	10.765	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032481.D
Acq On : 10 Sep 2018 14:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:09:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	6021089	9.842	ppbv		99
45) t-1,3-Dichloropropene	9.46	75	1876263	13.061	ppbv		99
46) cis-1,3-Dichloropropene	8.88	75	2097563	11.427	ppbv		99
47) 1,1,2-Trichloroethane	9.66	97	1421777	9.877	ppbv		99
48) Dibromochloromethane	10.50	129	2260233	11.338	ppbv		99
49) Bromoform	13.25	173	1691992	9.765	ppbv		100
50) 4-Methyl-2-Pentanone	8.91	43	3620050	9.730	ppbv		100
51) 2-Hexanone	10.32	43	3175212	13.249	ppbv	#	100
52) Tetrachloroethene	11.42	164	970427	9.890	ppbv		96
53) Toluene	9.99	91	4050470	12.246	ppbv		100
54) 1,2-Dibromoethane	10.81	107	2095388	10.842	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1423400	7.090	ppbv		98
57) Chlorobenzene	12.35	112	2602198	7.312	ppbv		99
58) Ethyl Benzene	12.91	91	4877792	9.153	ppbv		99
59) m/p-Xylene	13.20	91	3614900	7.609	ppbv	#	18
60) o-Xylene	13.90	91	3854015	8.258	ppbv		100
61) Styrene	13.73	104	2947802	9.757	ppbv		100
62) Isopropylbenzene	14.88	105	5418112	8.259	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2882947	6.909	ppbv		100
64) n-propylbenzene	15.77	120	1411008	8.227	ppbv		96
65) tert-Butylbenzene	16.96	119	4567797	8.080	ppbv		100
66) Benzyl Chloride	17.20	91	2926649	9.293	ppbv		100
67) sec-Butylbenzene	17.51	105	6868856	8.079	ppbv		99
69) p-Isopropyltoluene	17.86	119	5445363	8.264	ppbv		100
70) n-Butylbenzene	18.76	91	6035402	8.081	ppbv		99
71) 2-Chlorotoluene	15.67	91	4330627	8.640	ppbv		99
72) 4-Ethyltoluene	16.05	105	4520113	8.871	ppbv		99
73) 1,3,5-Trimethylbenzene	16.21	105	4305523	8.434	ppbv		95
74) 1,2,4-Trimethylbenzene	16.97	105	4308243	7.720	ppbv		95
75) 1,3-Dichlorobenzene	17.21	146	2420251	7.309	ppbv		99
76) 1,4-Dichlorobenzene	17.35	146	2427167	7.900	ppbv		99
77) 1,2-Dichlorobenzene	18.04	146	2394948	7.496	ppbv		100
78) Hexachloro-1,3-Butadiene	23.59	225	854987	7.162	ppbv		99
79) Naphthalene	22.47	128	3982966	8.777	ppbv		99
80) Naphthalene,2-methyl-	25.15	142	1437268	11.903	ppbv		99
81) 1,2,4-Trichlorobenzene	22.19	180	1892772	8.281	ppbv		100

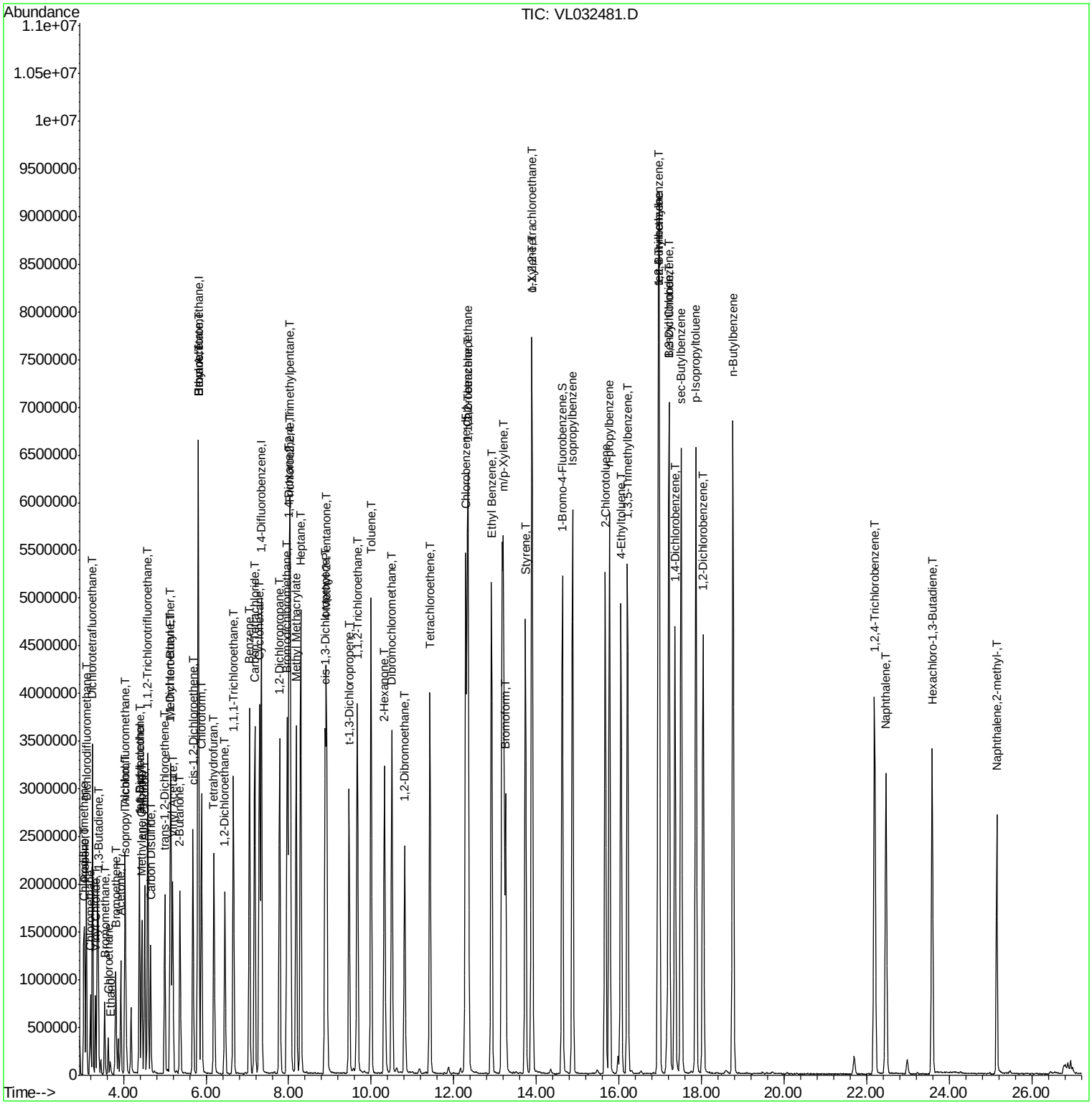
(#) = qualifier out of range (m) = manual integration (+) = signals summed

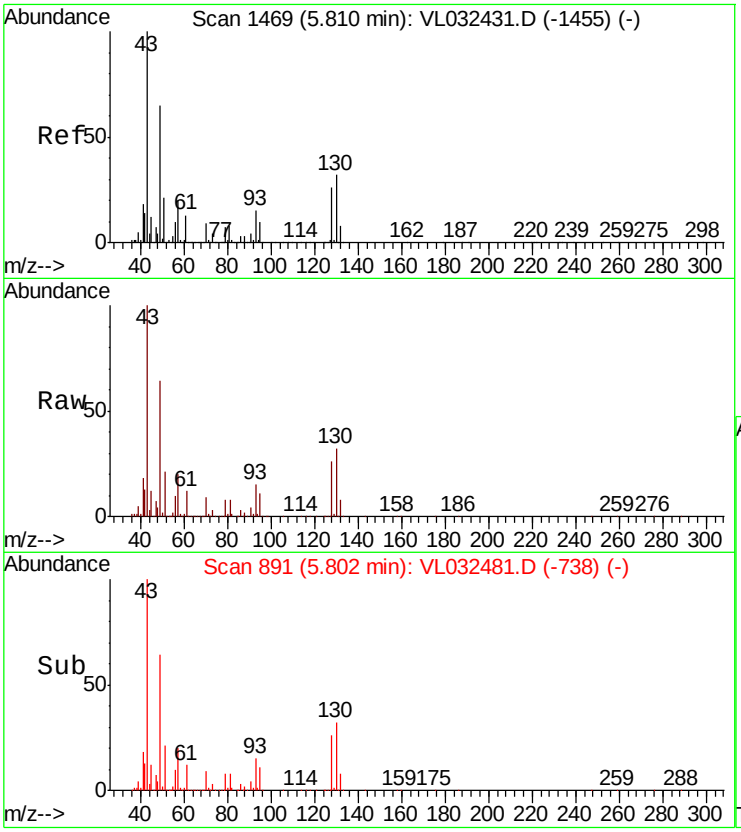
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032481.D
Acq On : 10 Sep 2018 14:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Sep 11 01:09:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration



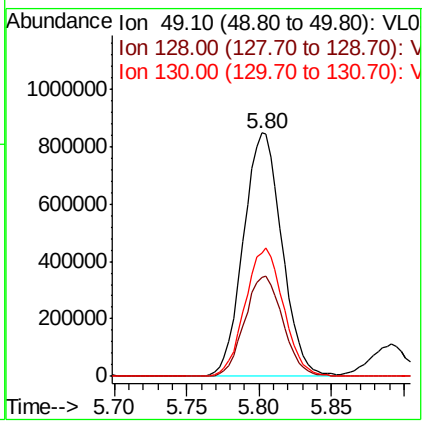


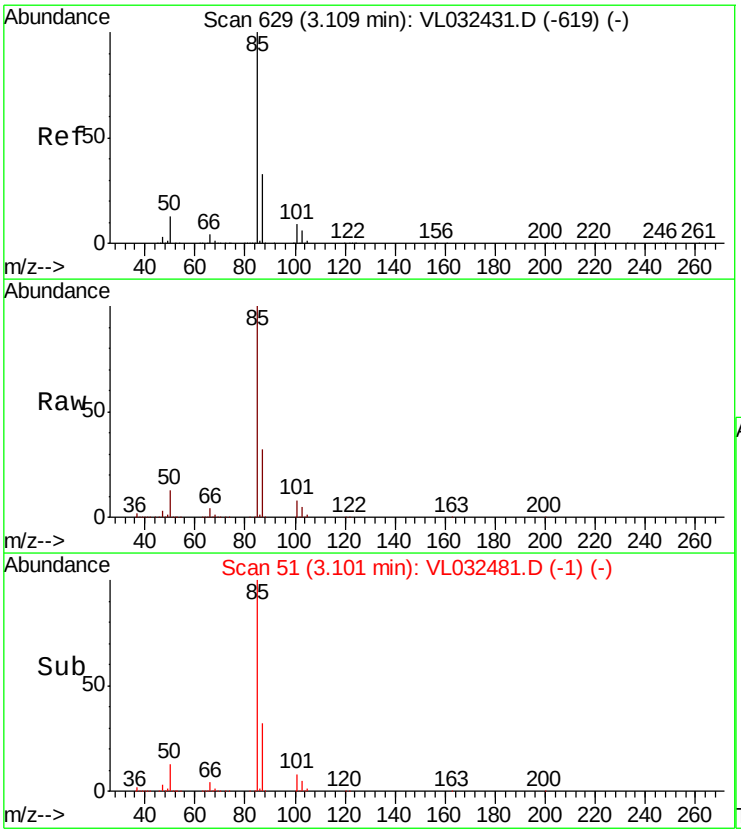
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1570944

Ion	Ratio	Lower	Upper
49	100		
128	41.0	20.7	62.1
130	52.6	26.6	79.7

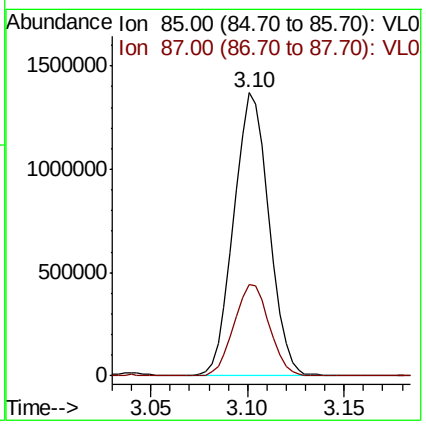


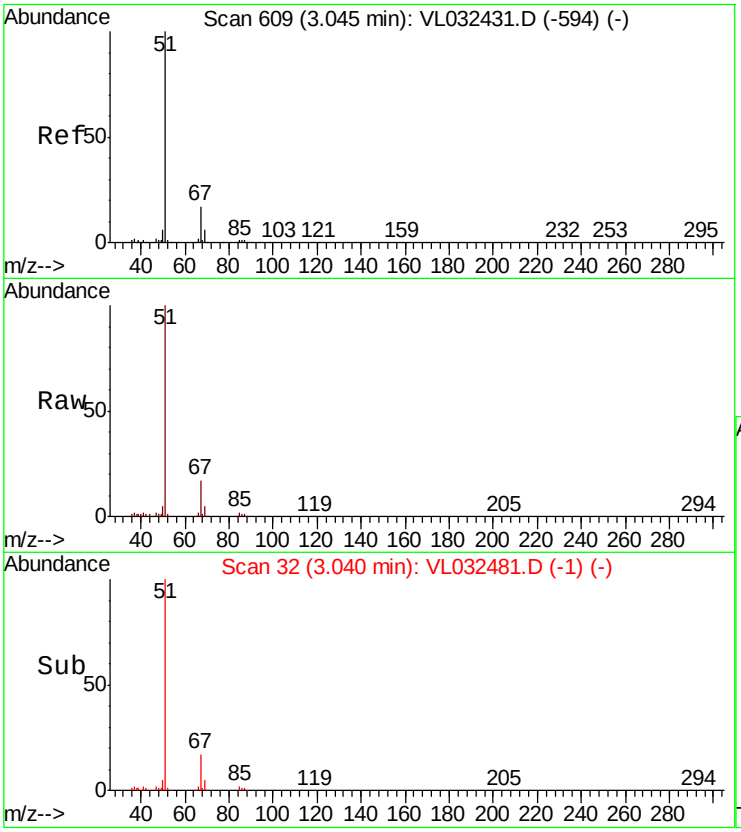


#2
Dichlorodifluoromethane
Concen: 8.635 ppbv
RT: 3.10 min Scan# 51
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 85 Resp: 1735128

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.2	39.4



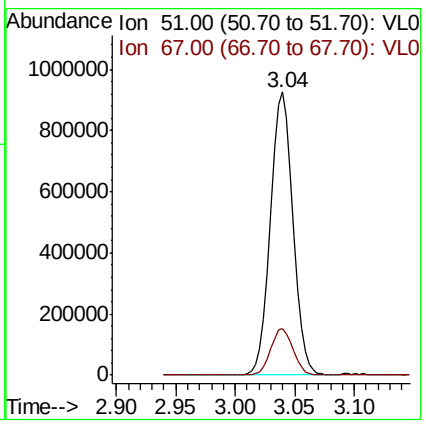


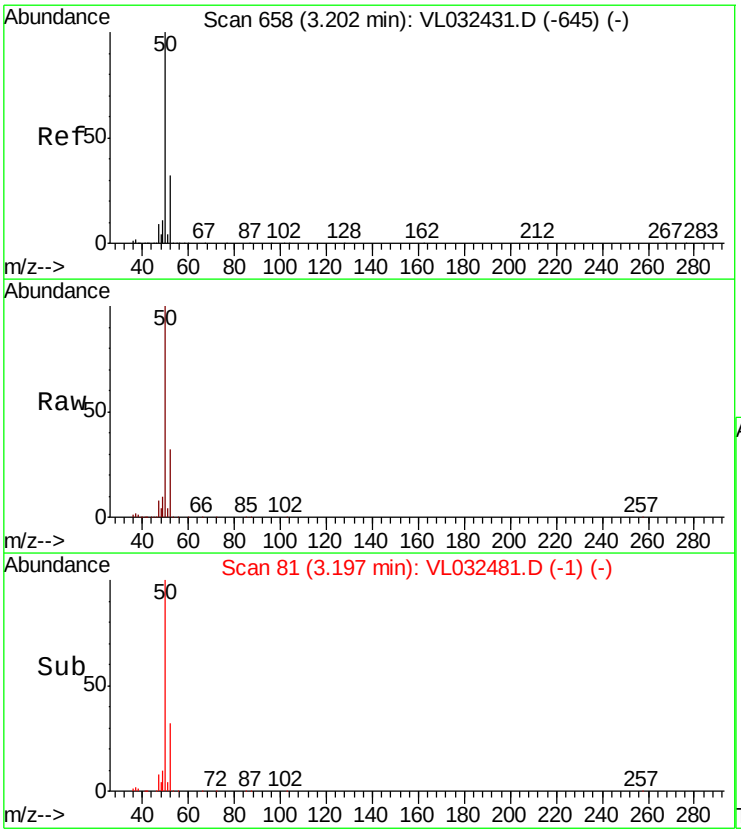
#3
Chlorodifluoromethane
Concen: 8.542 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 1214724

Ion	Ratio	Lower	Upper
51	100		
67	16.4	13.8	20.8

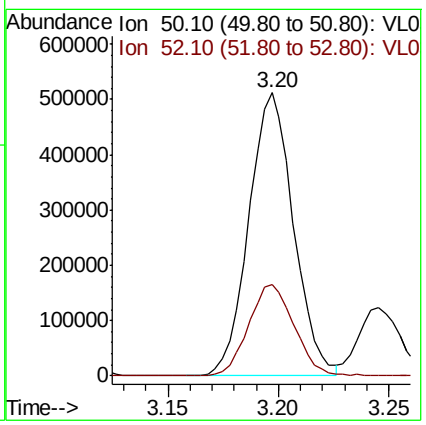


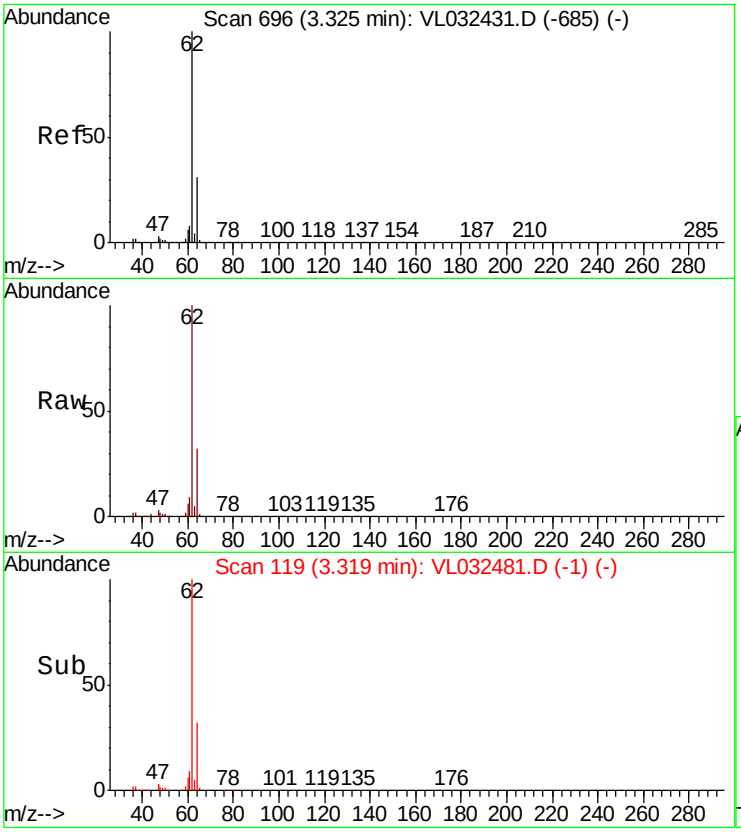


#4
Chloromethane
Concen: 8.368 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 50 Resp: 720580

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.6	38.4



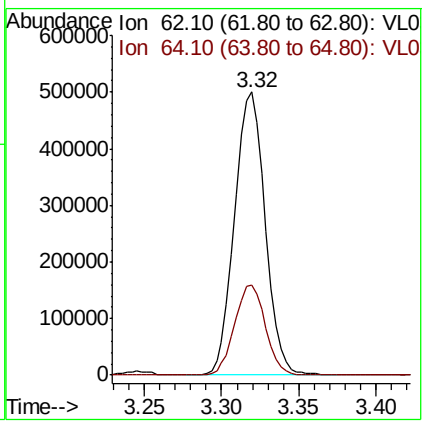


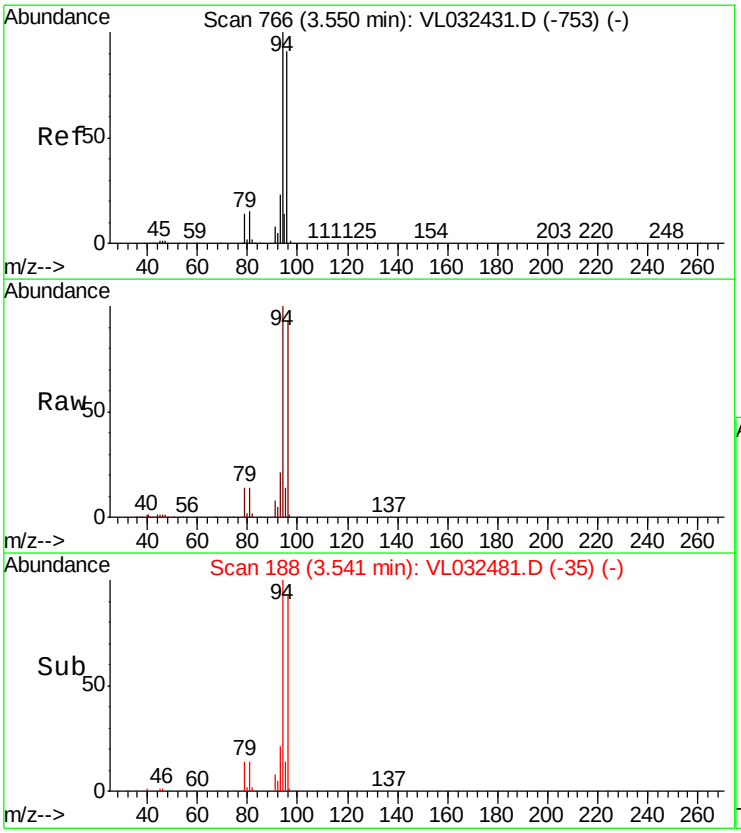
#5
Vinyl Chloride
Concen: 8.093 ppbv
RT: 3.32 min Scan# 119
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 687799

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.0	37.6

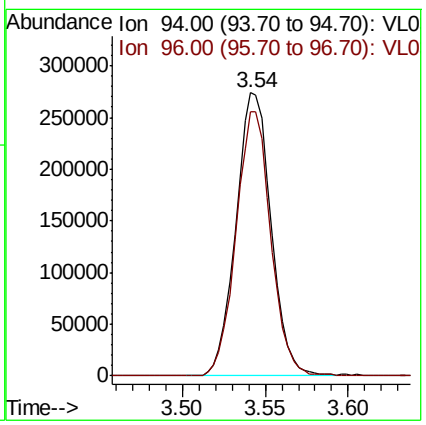


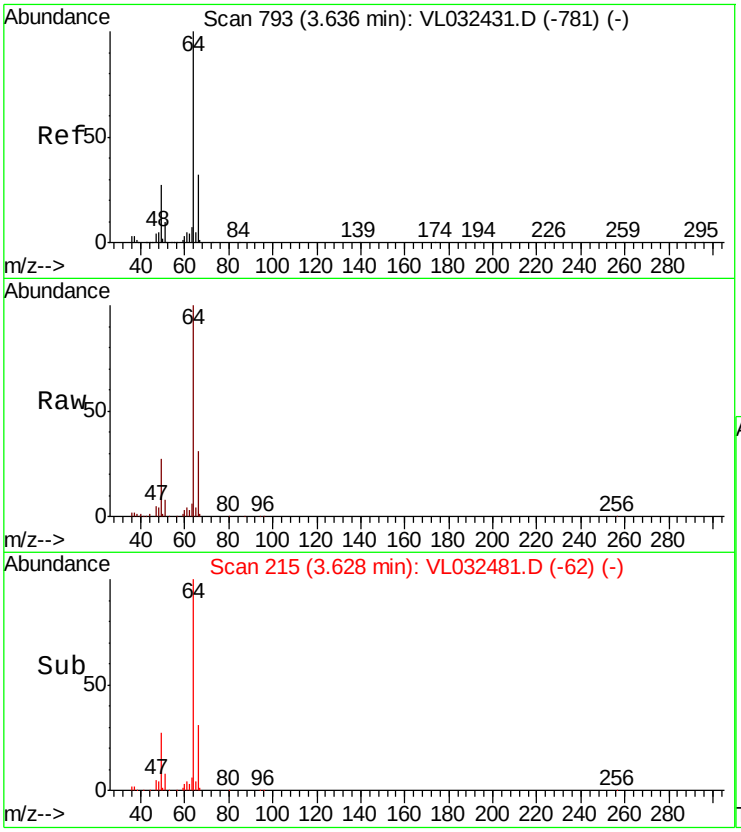


#6
Bromomethane
Concen: 9.031 ppbv
RT: 3.54 min Scan# 188
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 94 Resp: 402863

Ion	Ratio	Lower	Upper
94	100		
96	93.1	72.8	109.2



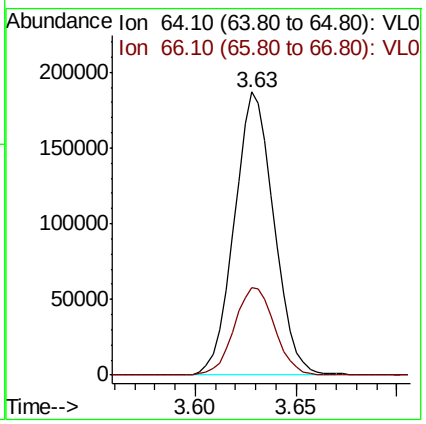


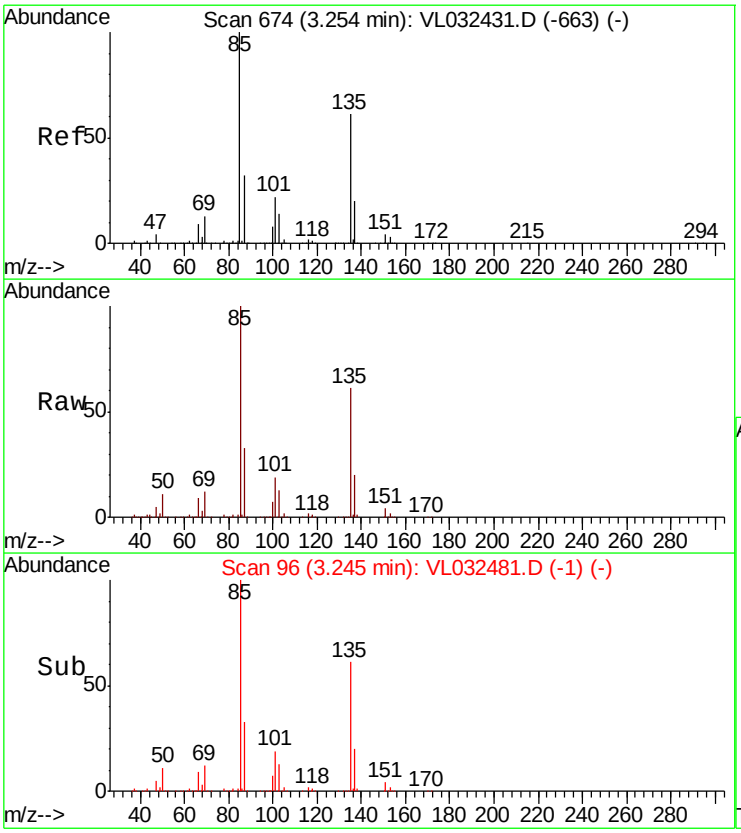
#7
Chloroethane
Concen: 8.763 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 257772

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.8	38.6

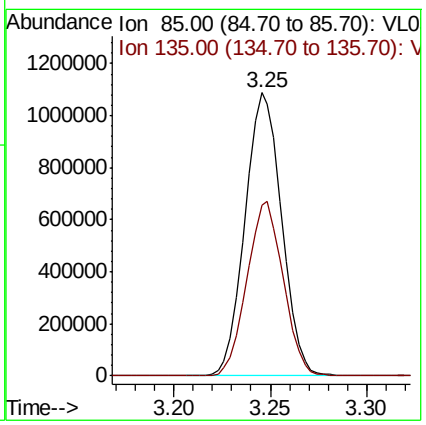


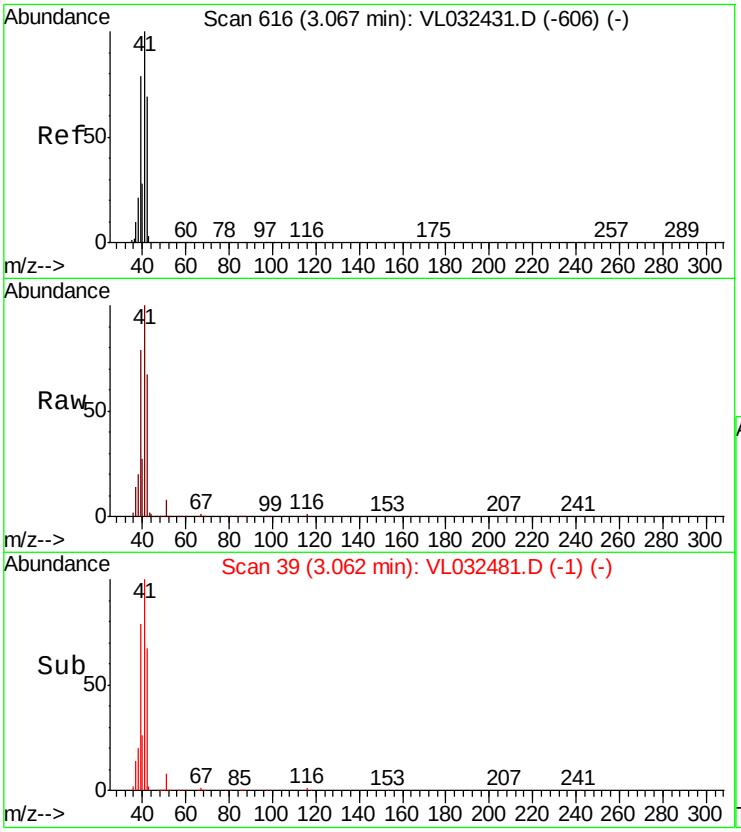


#8
Dichlorotetrafluoroethane
Concen: 8.008 ppbv
RT: 3.25 min Scan# 96
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 85 Resp: 1428212

Ion	Ratio	Lower	Upper
85	100		
135	61.5	48.6	72.8



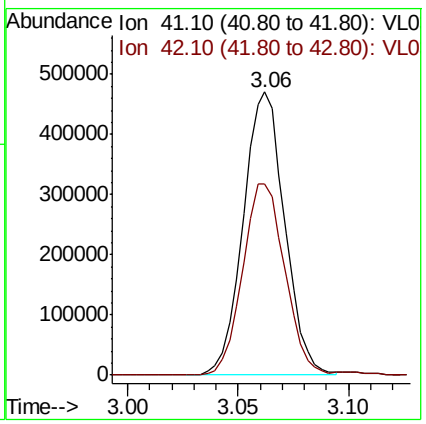


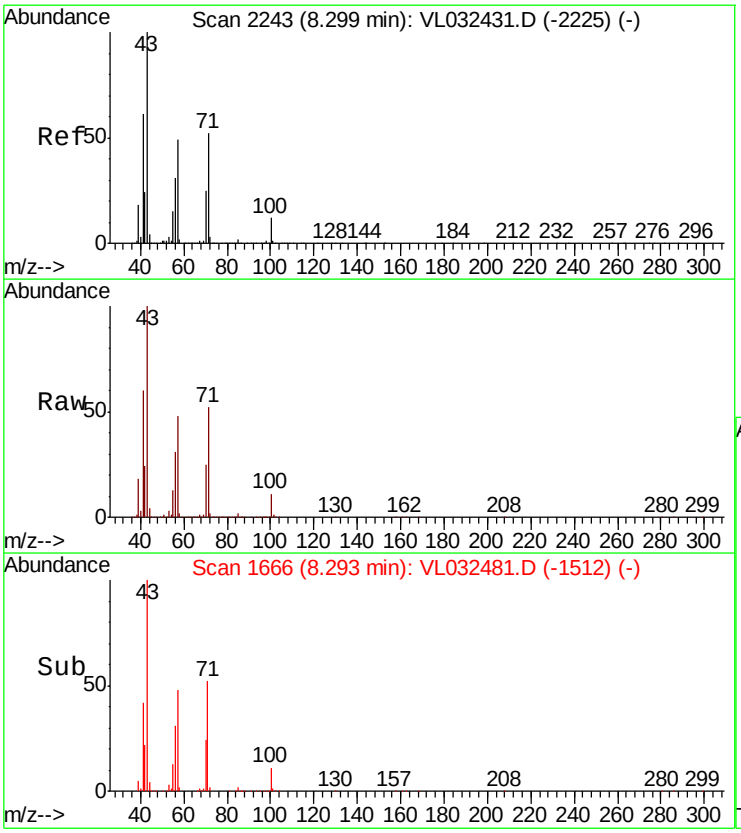
#9
Propene
Concen: 10.667 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 611877

Ion	Ratio	Lower	Upper
41	100		
42	70.2	56.6	84.8

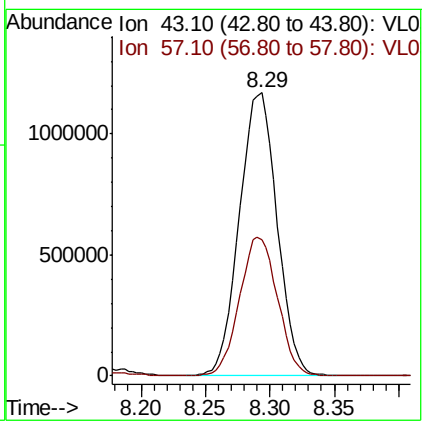


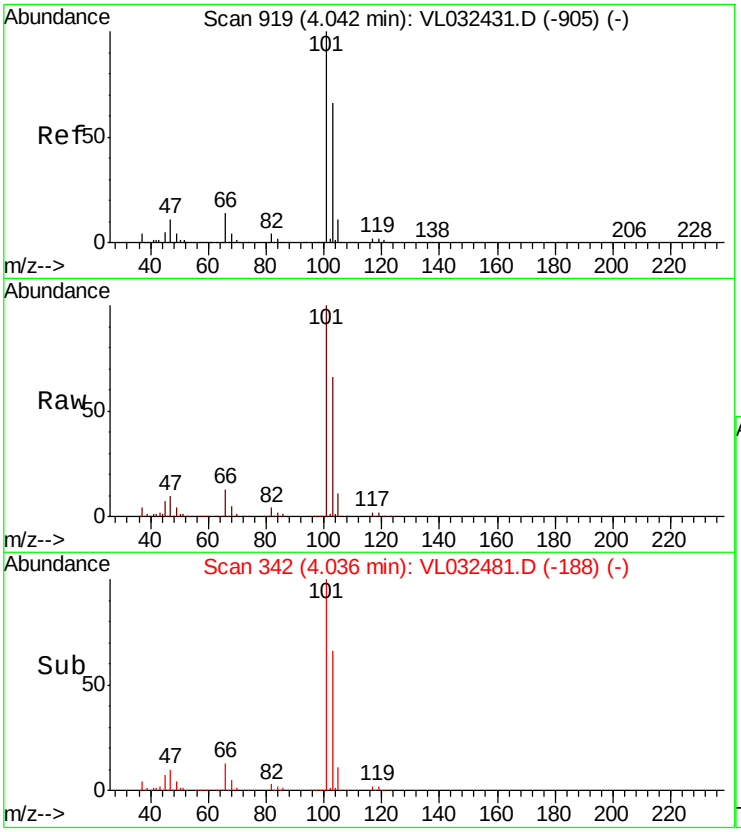


#10
Heptane
Concen: 11.553 ppbv
RT: 8.29 min Scan# 1666
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 2377433

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.6	59.4



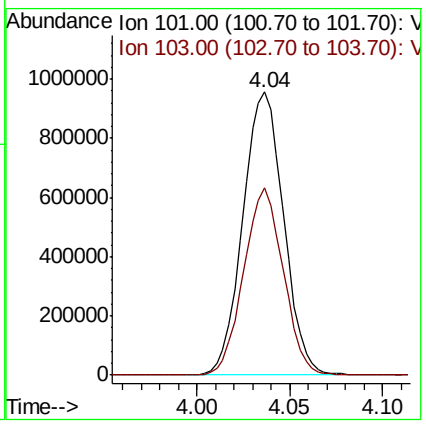


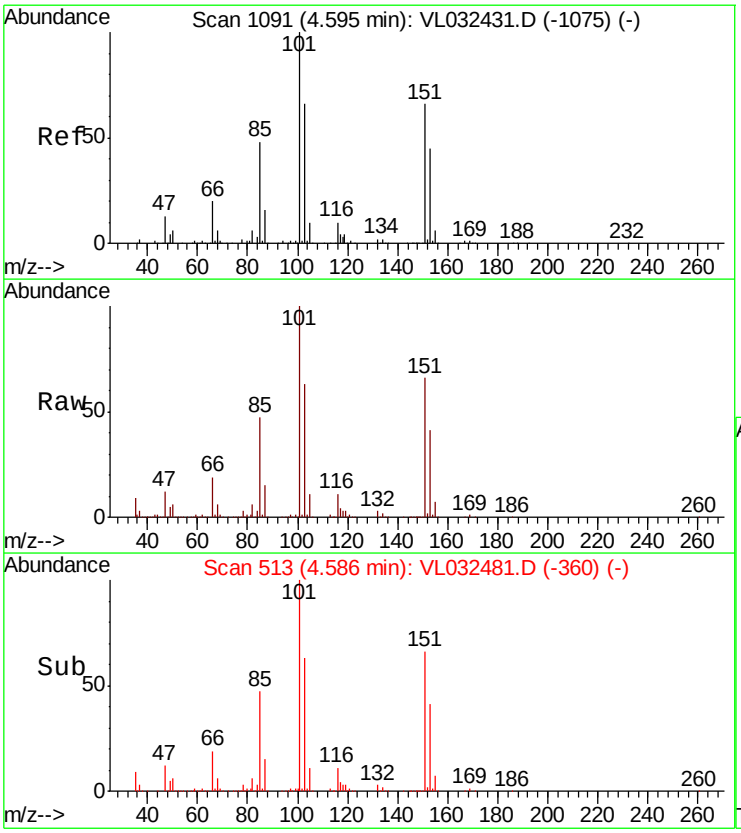
#11
Trichlorofluoromethane
Concen: 8.050 ppbv
RT: 4.04 min Scan# 342
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1458569

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.8	79.2

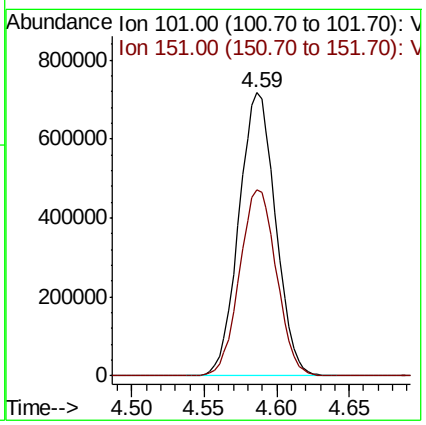


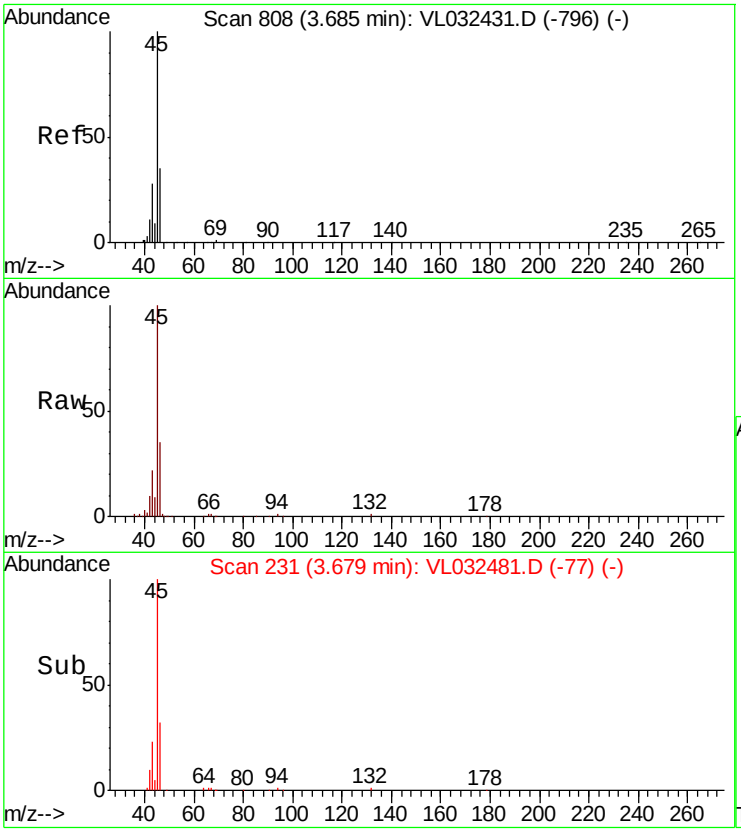


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.261 ppbv
RT: 4.59 min Scan# 513
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:101 Resp: 1259913

Ion	Ratio	Lower	Upper
101	100		
151	66.3	52.6	78.8



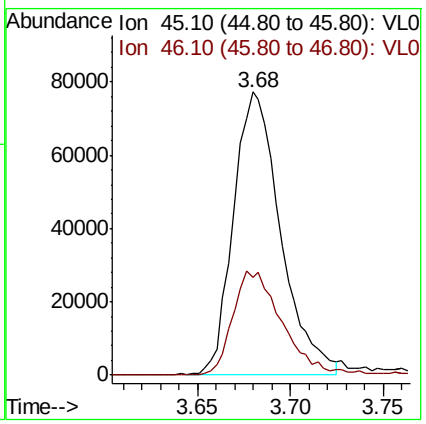


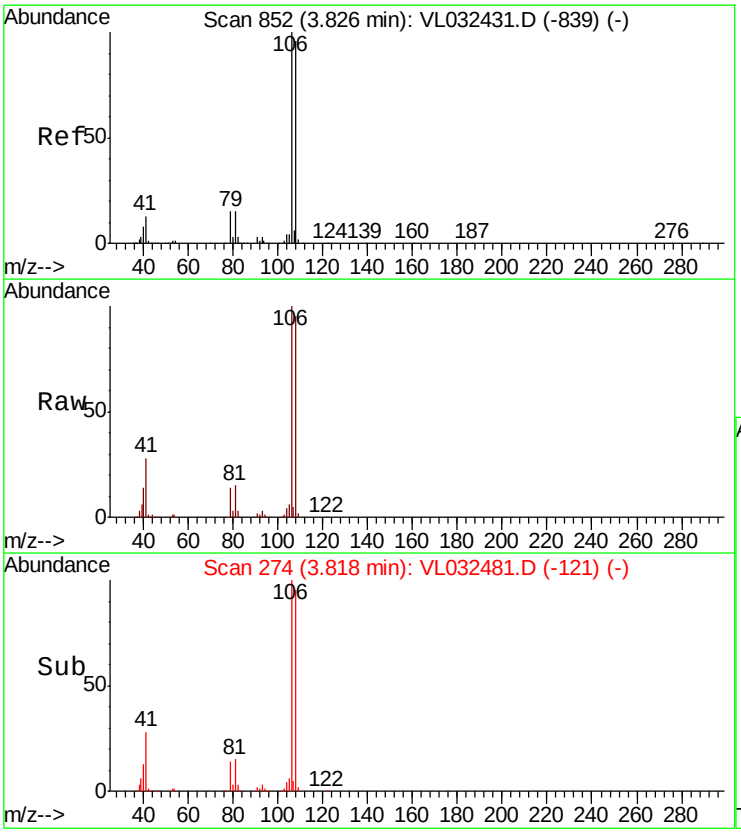
#13
Ethanol
Concen: 7.605 ppbv
RT: 3.68 min Scan# 231
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 135977

Ion	Ratio	Lower	Upper
45	100		
46	39.8	14.2	56.8

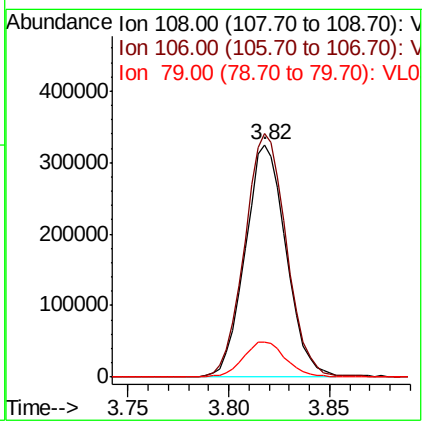


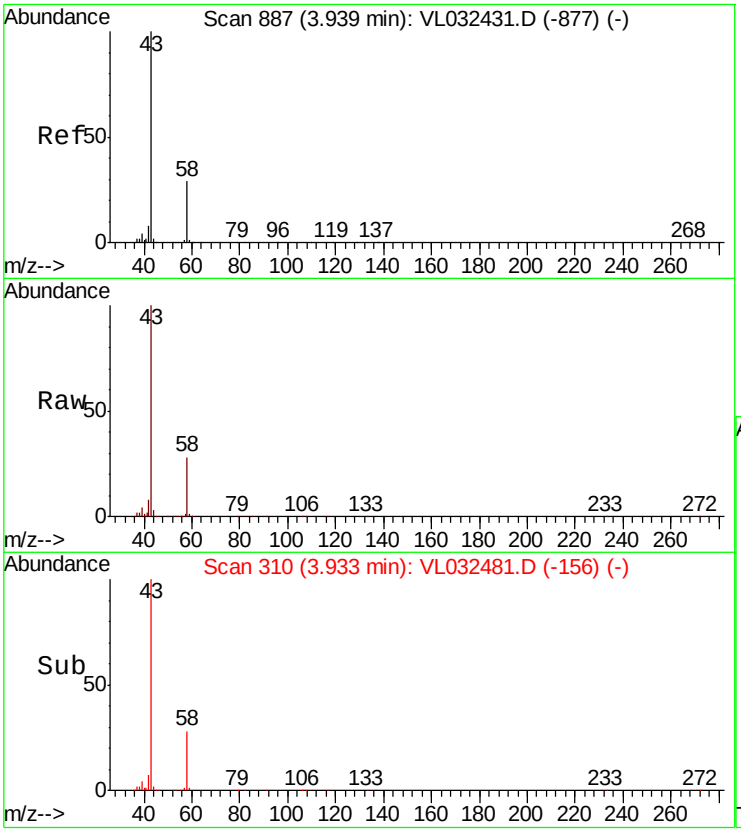


#14
Bromoethene
Concen: 8.883 ppbv
RT: 3.82 min Scan# 274
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:108 Resp: 462077

Ion	Ratio	Lower	Upper
108	100		
106	107.5	85.5	128.3
79	15.9	13.0	19.6



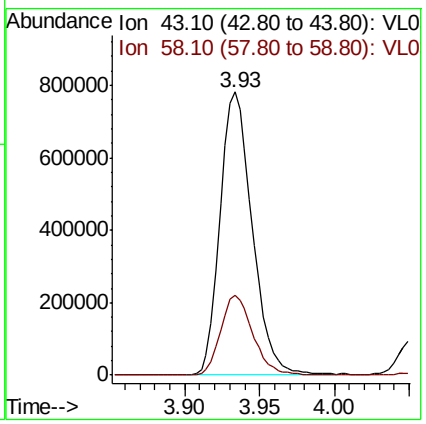


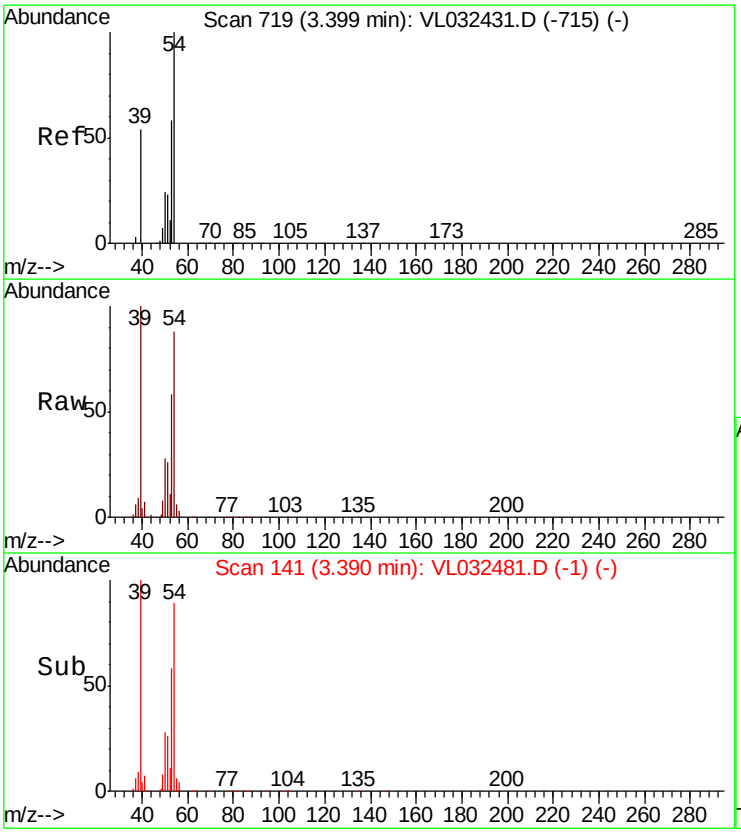
#15
Acetone
Concen: 8.278 ppbv
RT: 3.93 min Scan# 310
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1171022

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.6	33.8

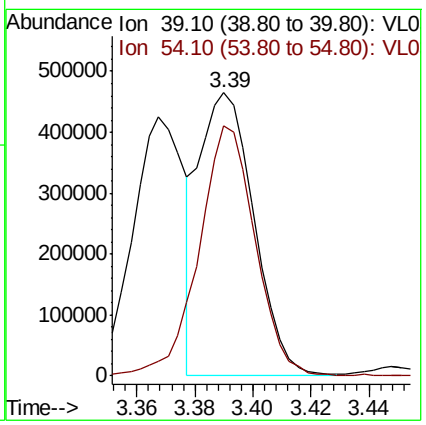


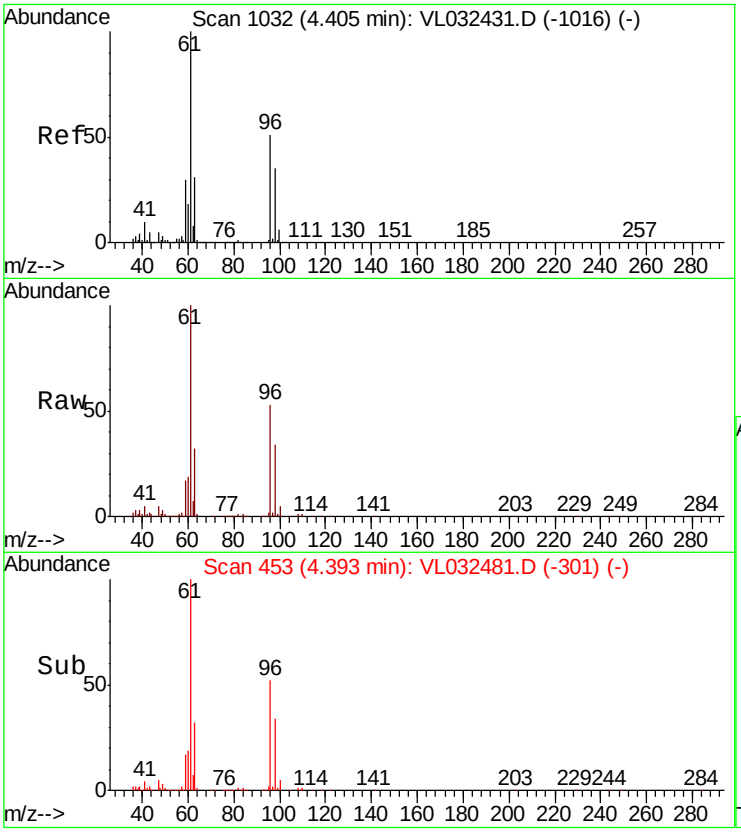


#16
1,3-Butadiene
Concen: 9.121 ppbv
RT: 3.39 min Scan# 141
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 39 Resp: 607156

Ion	Ratio	Lower	Upper
39	100		
54	91.8	80.8	121.2



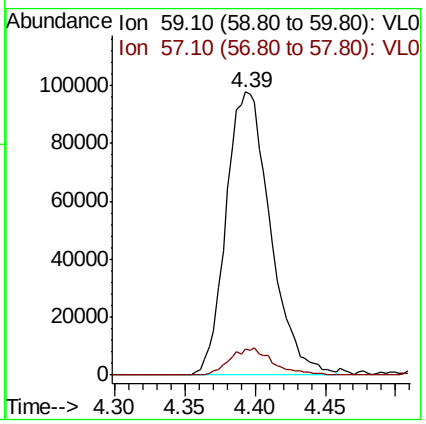


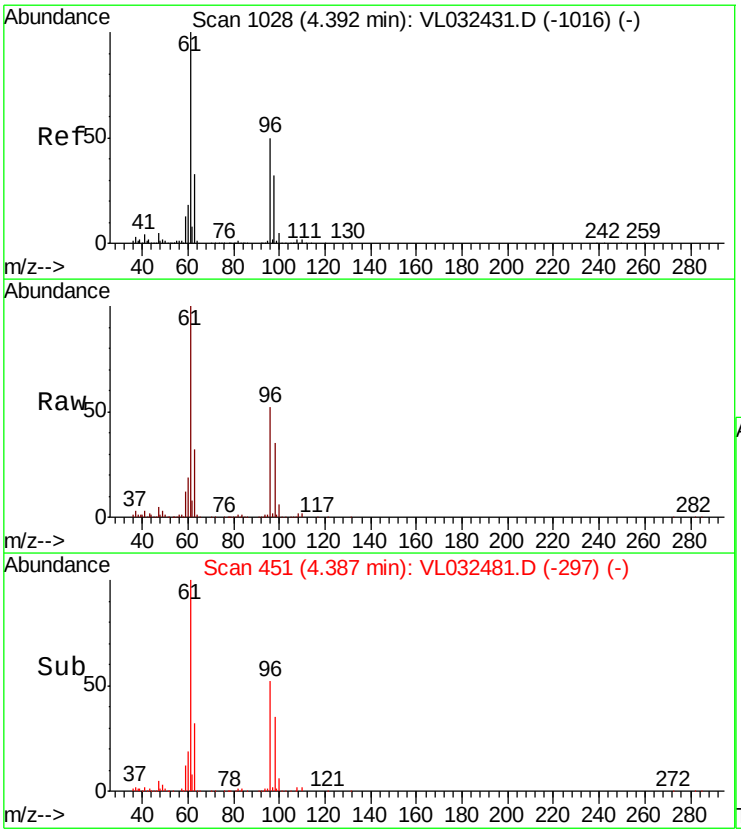
#17
tert-Butyl alcohol
Concen: 9.858 ppbv
RT: 4.39 min Scan# 453
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 214619

Ion	Ratio	Lower	Upper
59	100		
57	9.3	0.0	0.0#

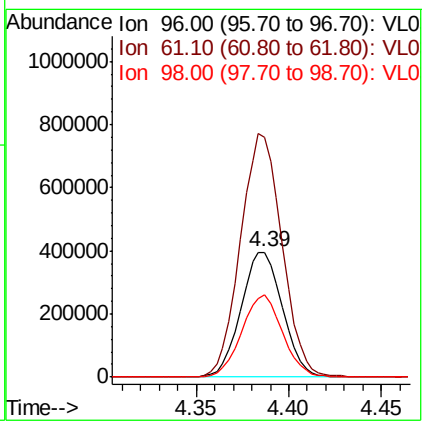


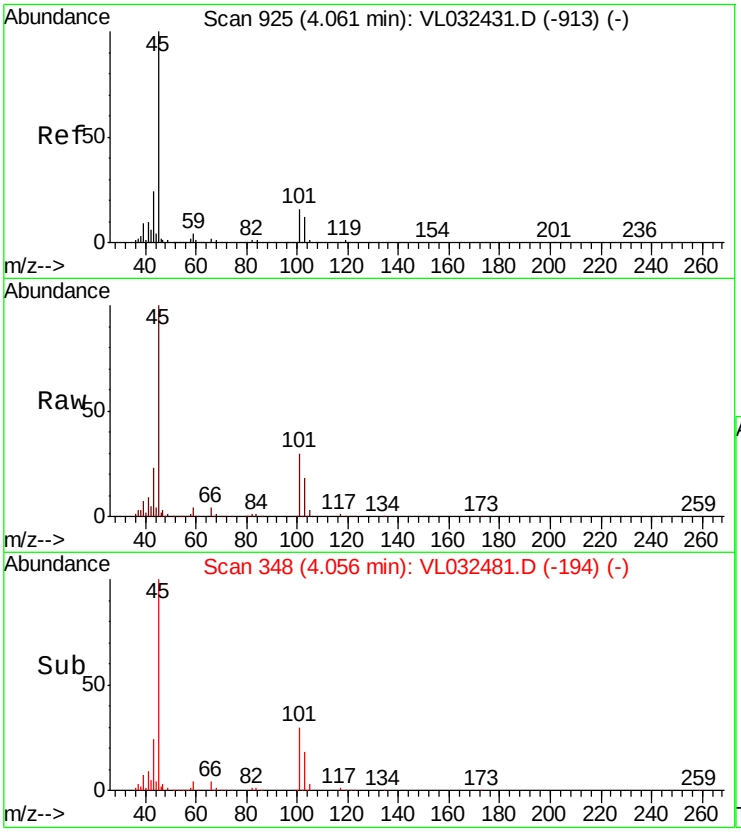


#18
1,1-Dichloroethene
Concen: 10.950 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 96 Resp: 614462

Ion	Ratio	Lower	Upper
96	100		
61	192.0	159.2	238.8
98	66.3	51.0	76.4



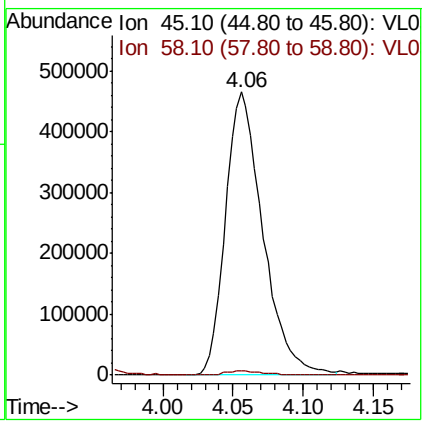


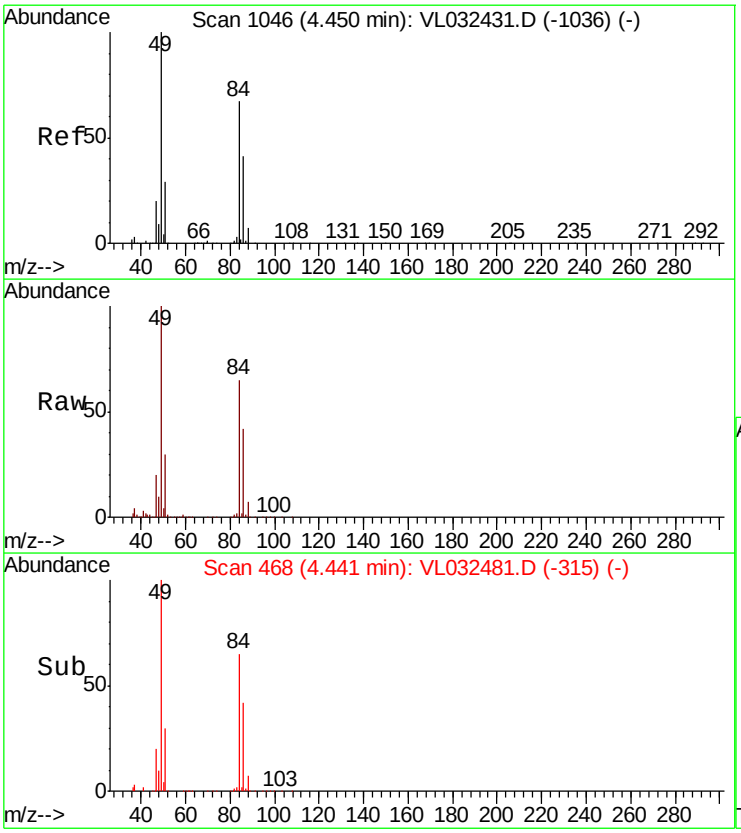
#19
Isopropyl Alcohol
Concen: 9.280 ppbv
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 861275

Ion	Ratio	Lower	Upper
45	100		
58	1.9	2.0	3.0#

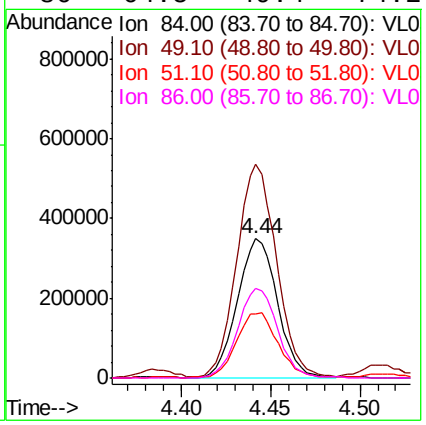


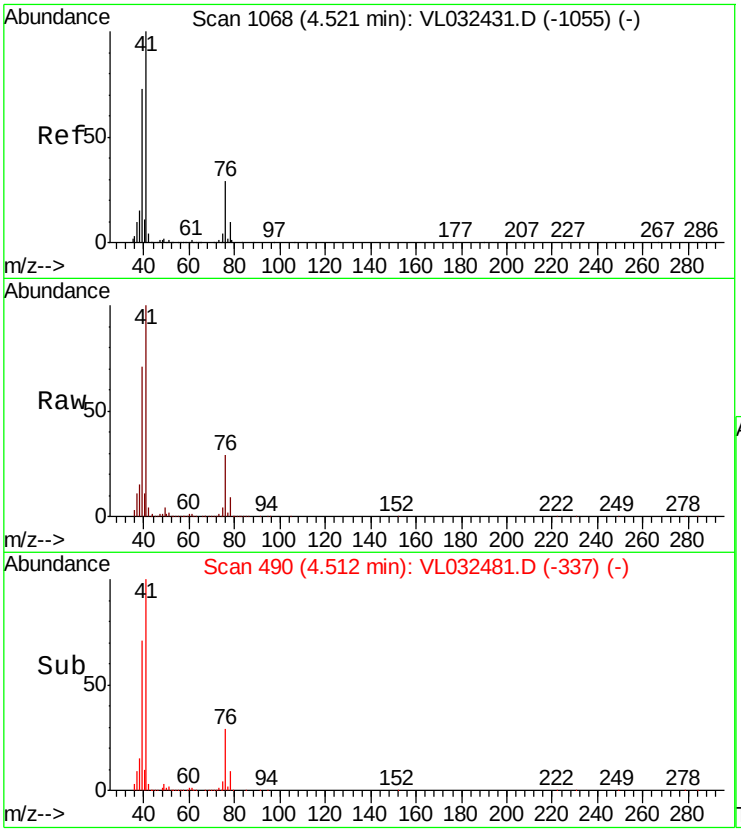


#20
Methylene Chloride
Concen: 10.059 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 84 Resp: 542621

Ion	Ratio	Lower	Upper
84	100		
49	153.3	119.1	178.7
51	45.7	35.2	52.8
86	64.5	49.4	74.2



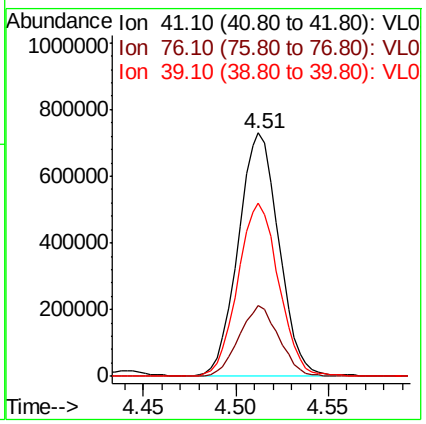


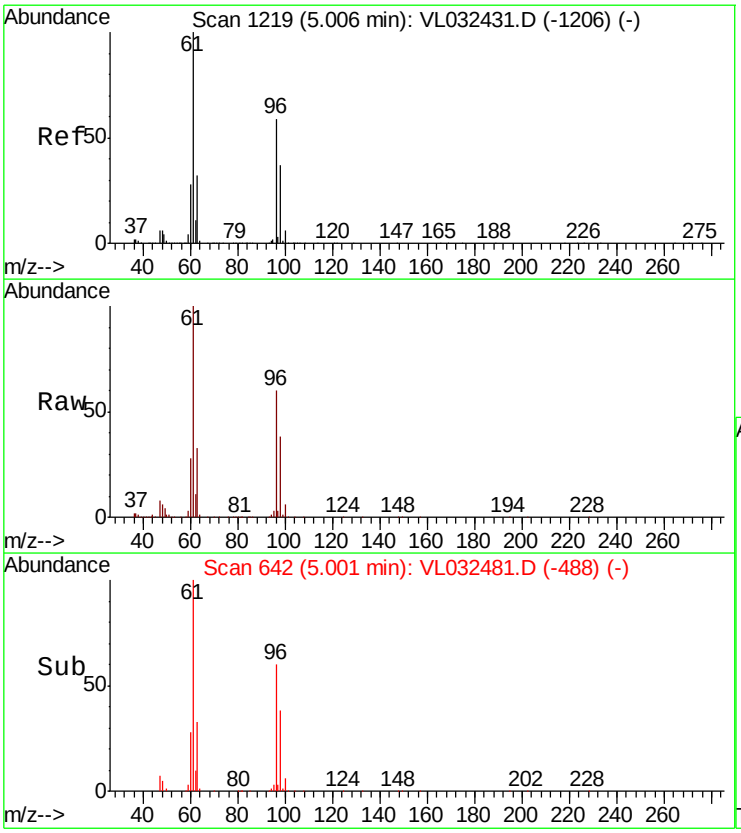
#21
Allyl Chloride
Concen: 11.792 ppbv
RT: 4.51 min Scan# 490
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1107946

Ion	Ratio	Lower	Upper
41	100		
76	28.6	23.6	35.4
39	71.8	57.7	86.5

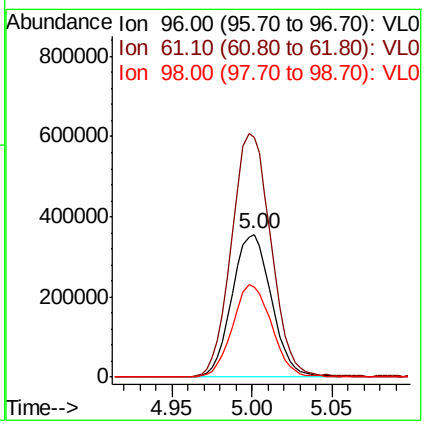


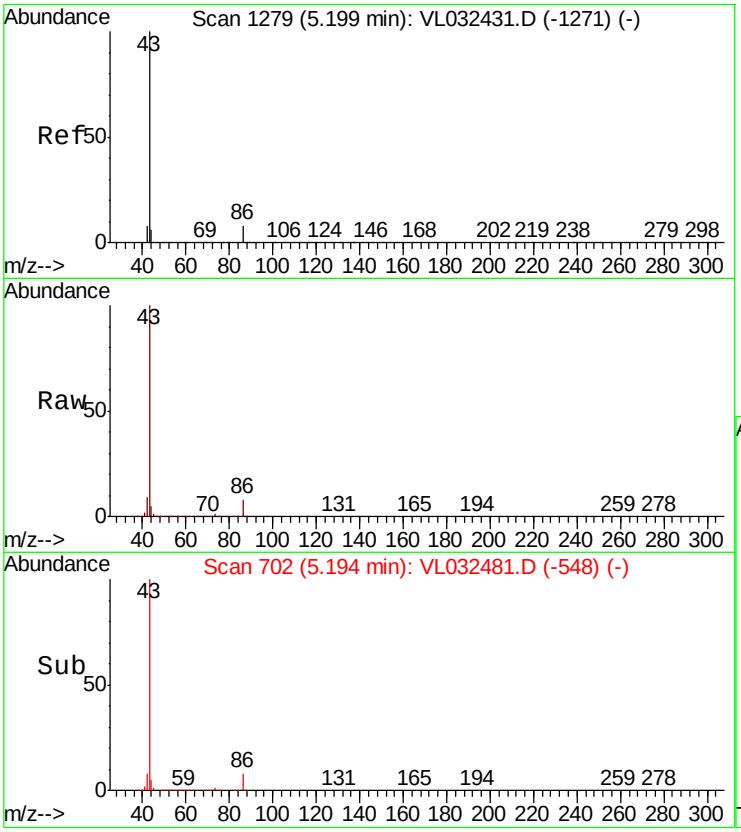


#22
trans-1,2-Dichloroethene
Concen: 9.798 ppbv
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 96 Resp: 596594

Ion	Ratio	Lower	Upper
96	100		
61	167.8	136.2	204.4
98	63.3	50.4	75.6



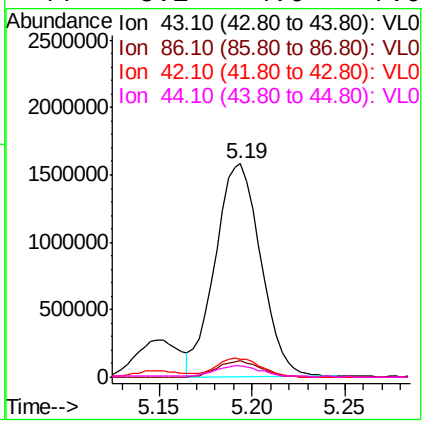


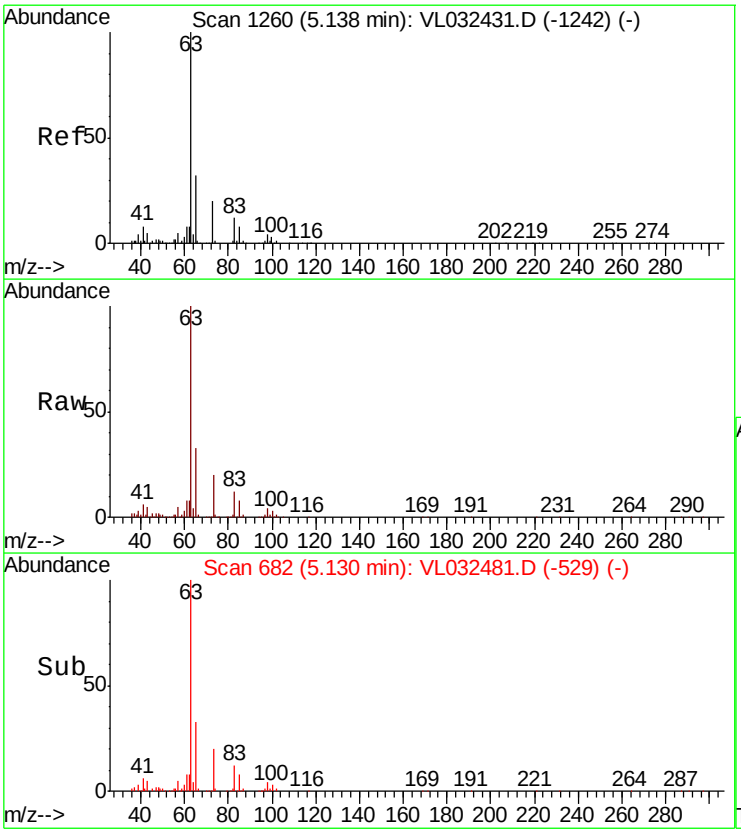
#23
Vinyl Acetate
Concen: 11.493 ppbv
RT: 5.19 min Scan# 702
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2694971

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	8.5	6.9	10.3
44	5.1	4.6	7.0

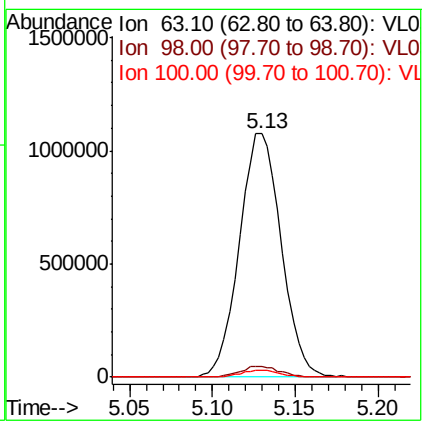


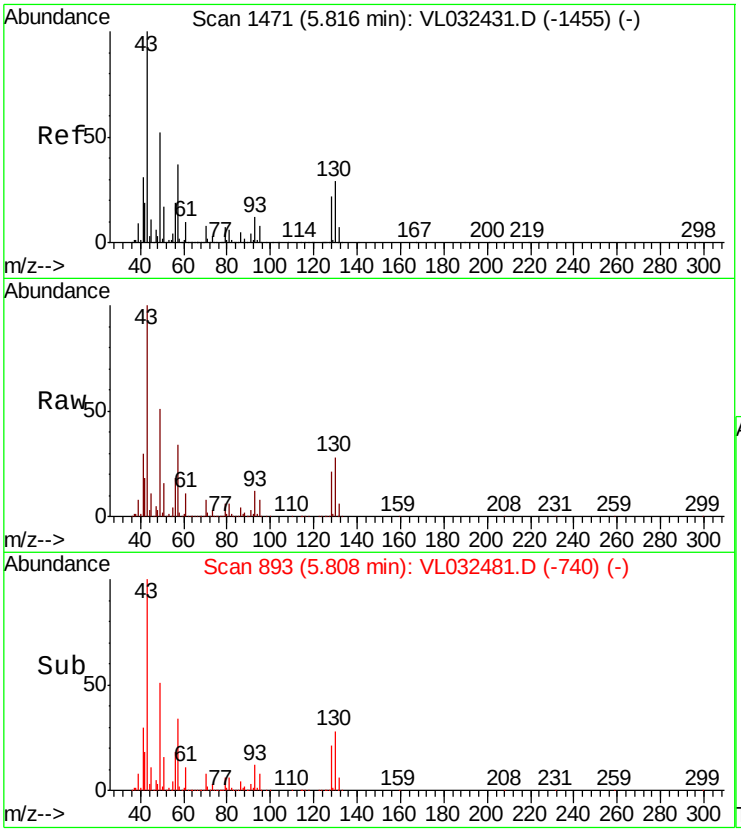


#24
1,1-Dichloroethane
Concen: 9.723 ppbv
RT: 5.13 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 63 Resp: 1878642

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.6	1.5	4.4



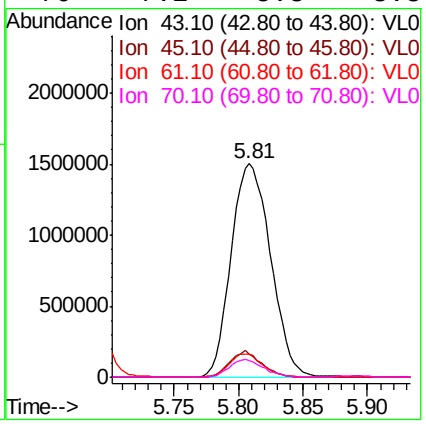


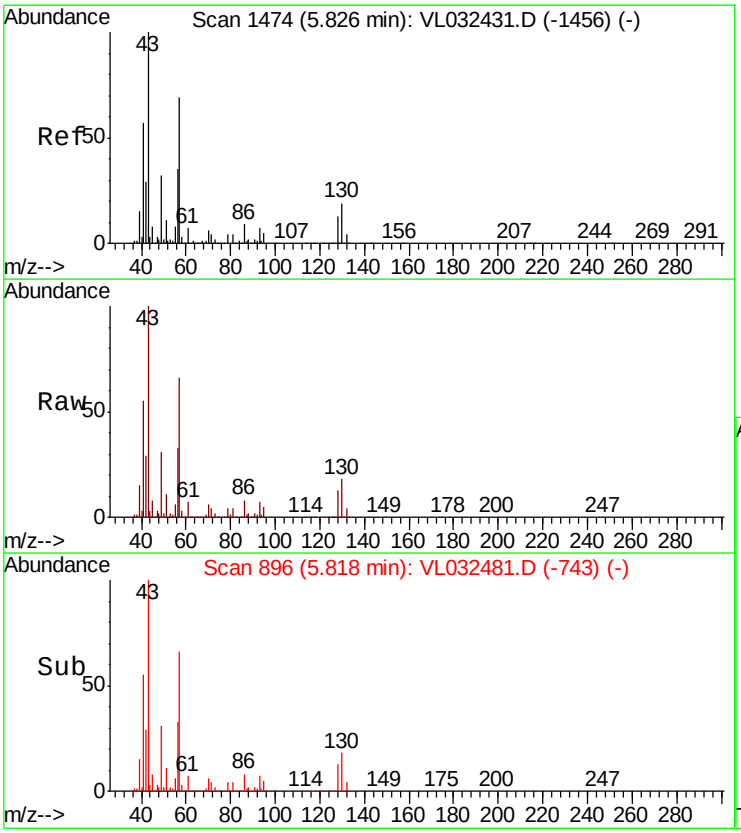
#25
Ethyl Acetate
Concen: 9.569 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3196641

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.4	7.6	11.4
70	7.2	5.8	8.8

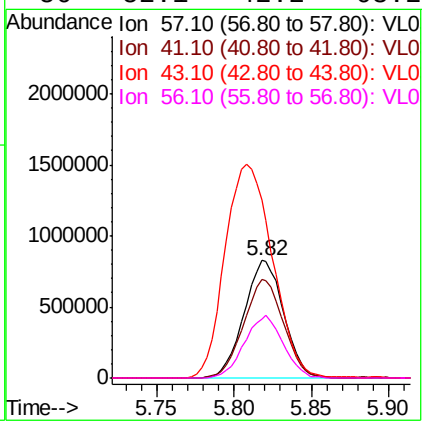


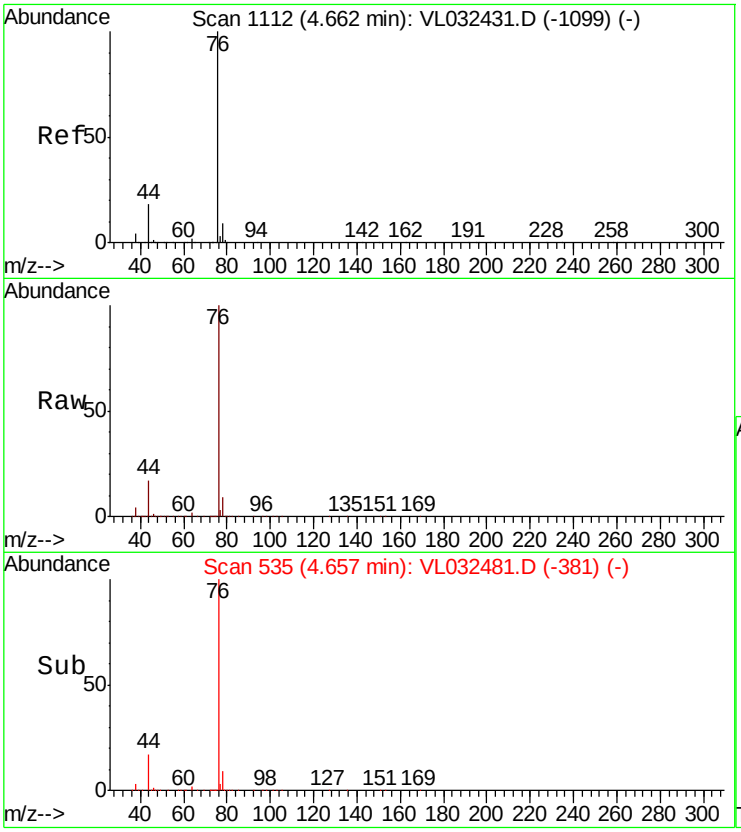


#26
Hexane
Concen: 9.806 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 57 Resp: 1466823

Ion	Ratio	Lower	Upper
57	100		
41	84.8	69.0	103.4
43	219.1	172.1	258.1
56	52.1	42.2	63.2



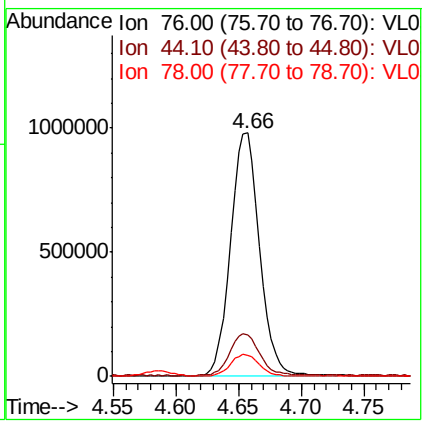


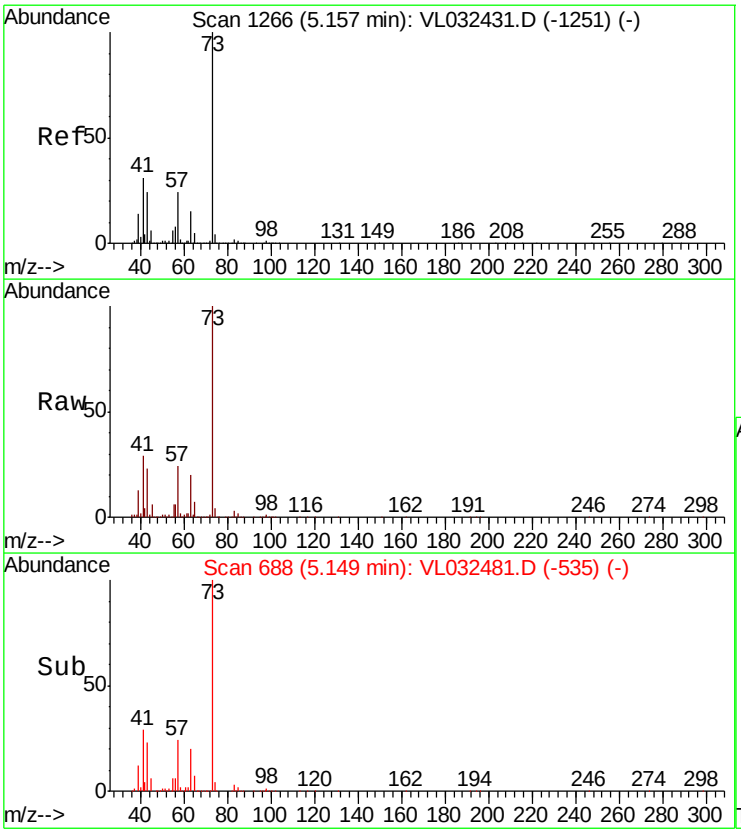
#27
Carbon Disulfide
Concen: 11.448 ppbv
RT: 4.66 min Scan# 535
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1580752

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.0	21.0
78	9.0	7.5	11.3

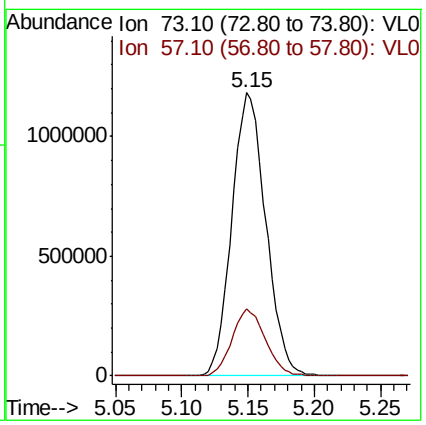


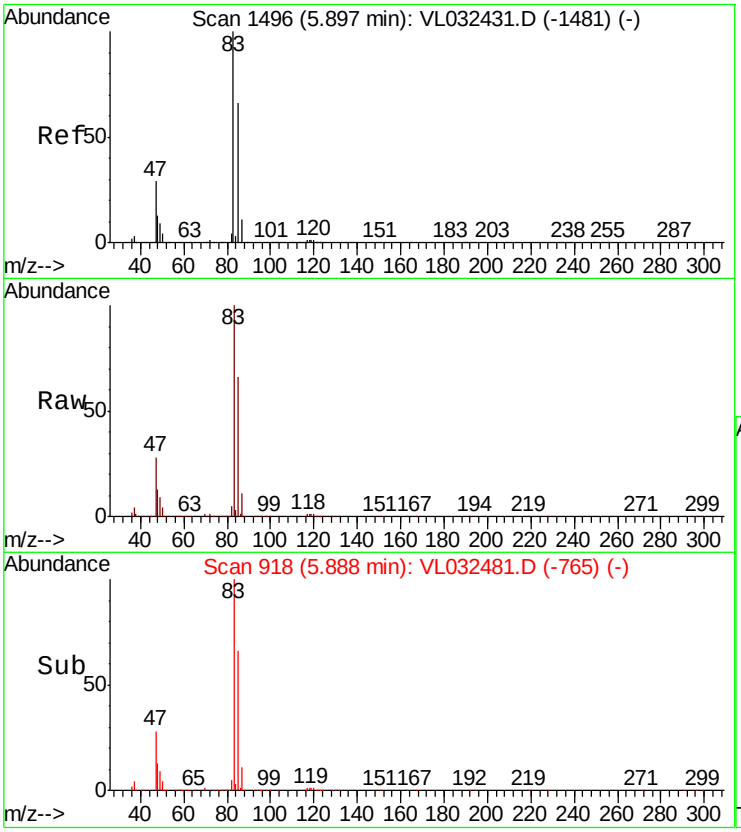


#28
Methyl tert-Butyl Ether
Concen: 11.456 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 73 Resp: 2104024

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9



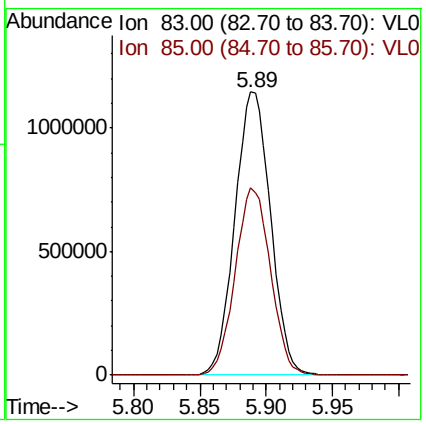


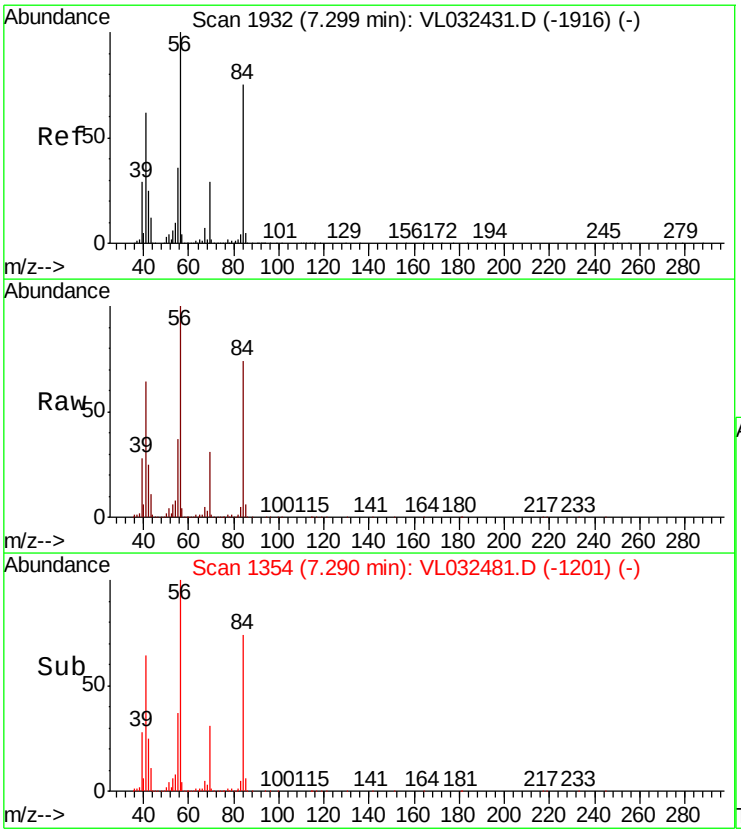
#29
Chloroform
Concen: 9.397 ppbv
RT: 5.89 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2143175

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7

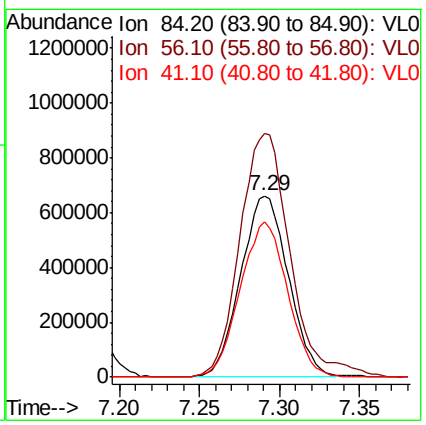


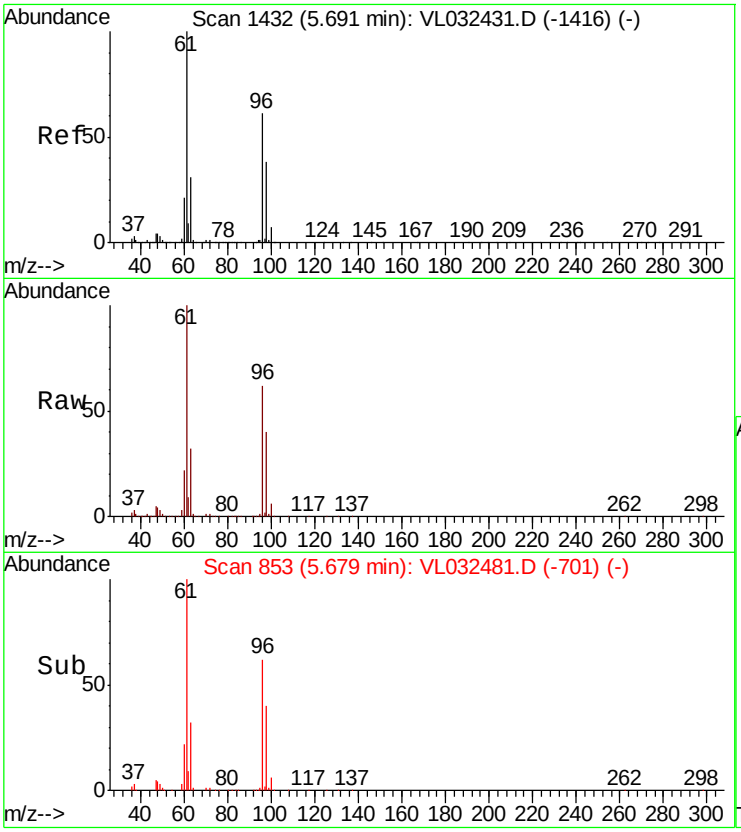


#30
Cyclohexane
Concen: 12.304 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 84 Resp: 1347642

Ion	Ratio	Lower	Upper
84	100		
56	142.9	113.5	170.3
41	85.8	68.1	102.1



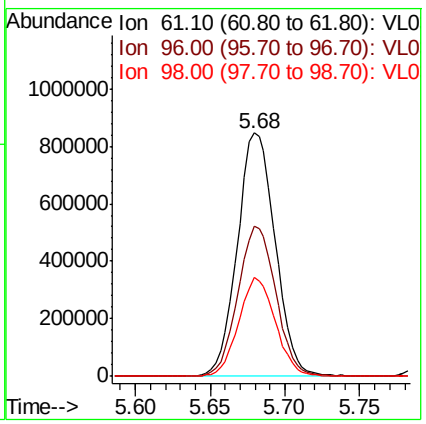


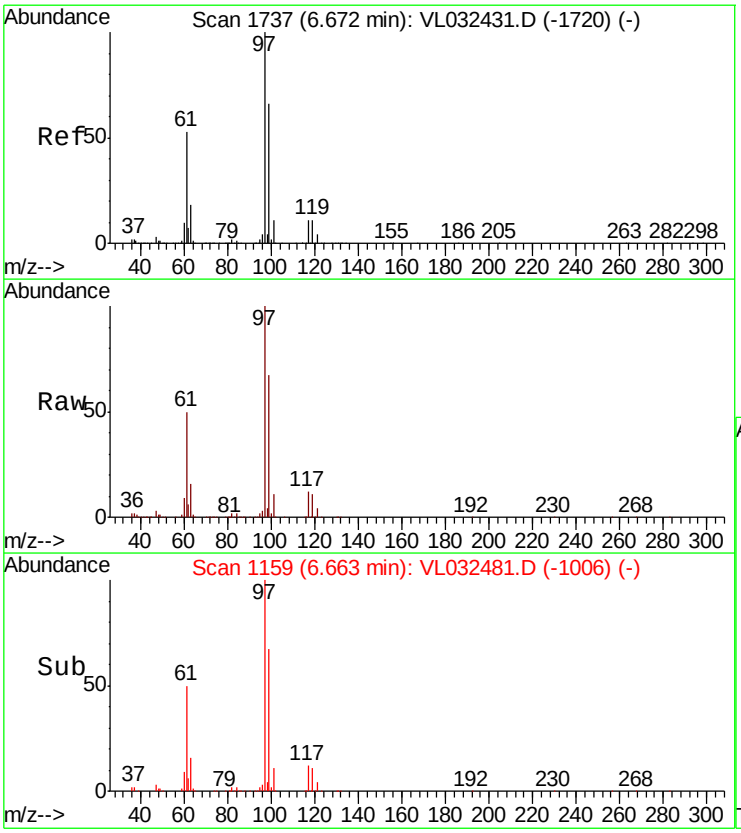
#31
cis-1,2-Dichloroethene
Concen: 11.015 ppbv
RT: 5.68 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1492016

Ion	Ratio	Lower	Upper
61	100		
96	61.9	49.2	73.8
98	40.4	30.7	46.1

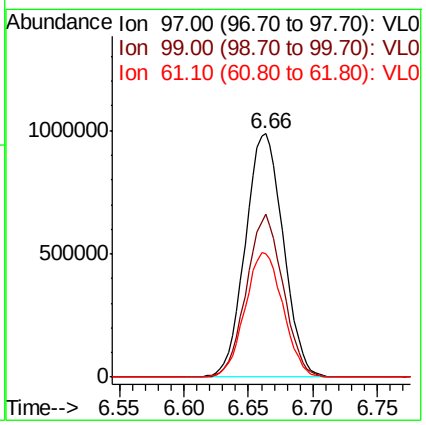


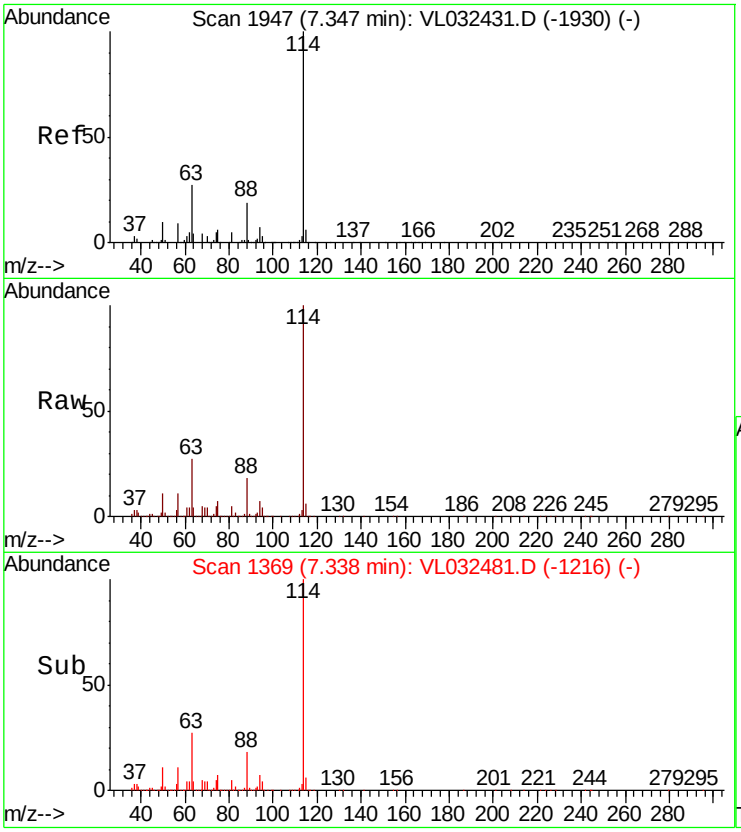


#32
1,1,1-Trichloroethane
Concen: 9.549 ppbv
RT: 6.66 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 97 Resp: 2030098

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	51.1	42.5	63.7



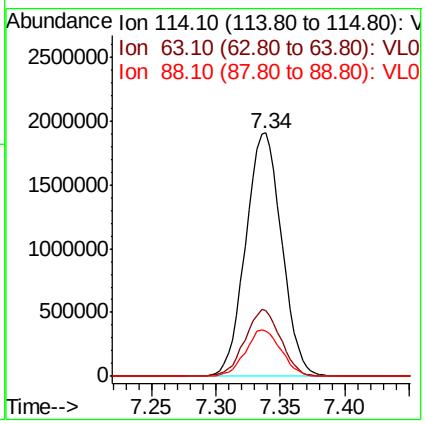


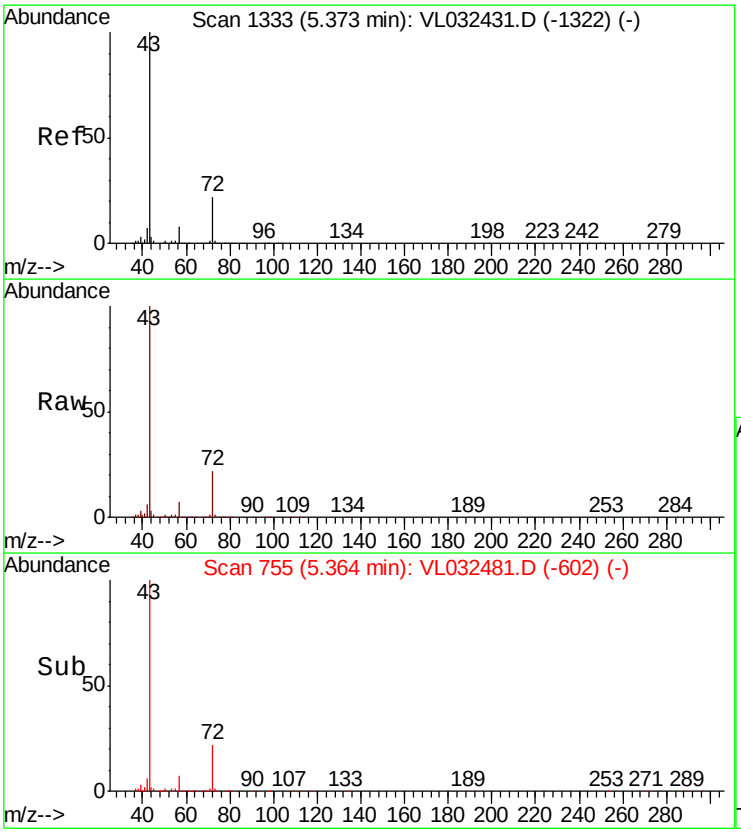
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3718375

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.4
88	18.8	15.0	22.4

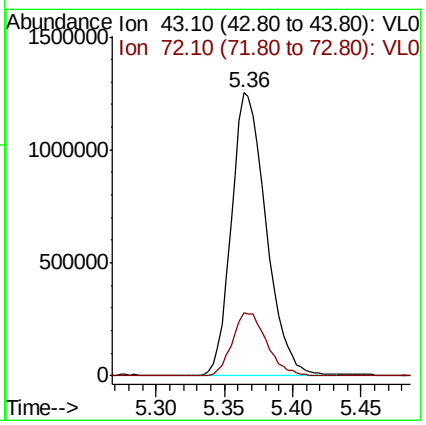


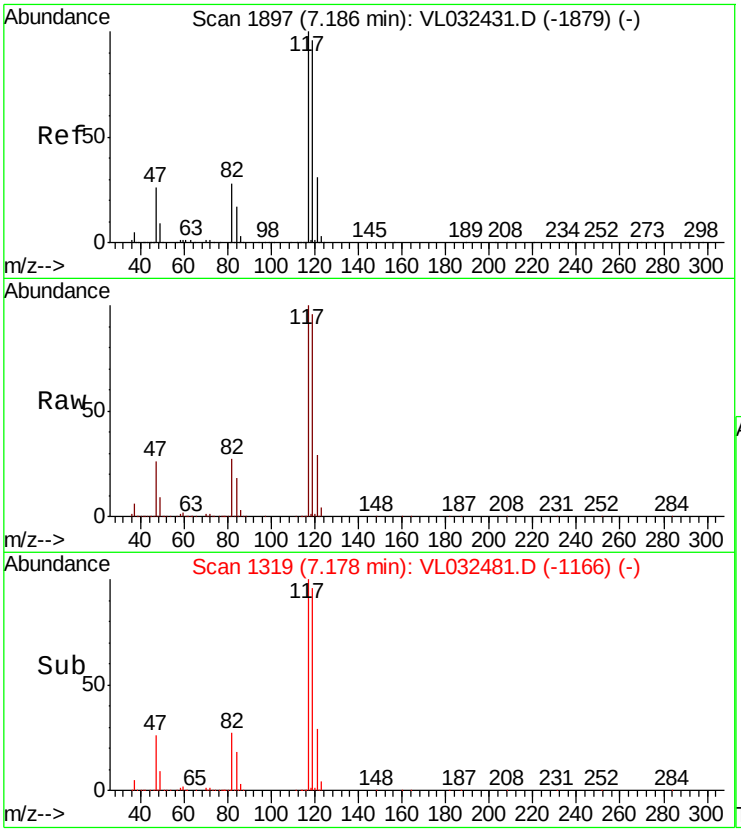


#34
2-Butanone
Concen: 8.952 ppbv
RT: 5.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 2211061

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



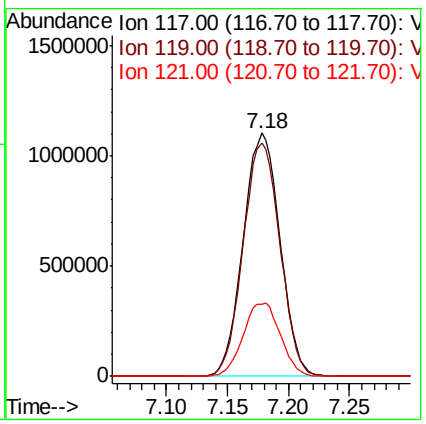


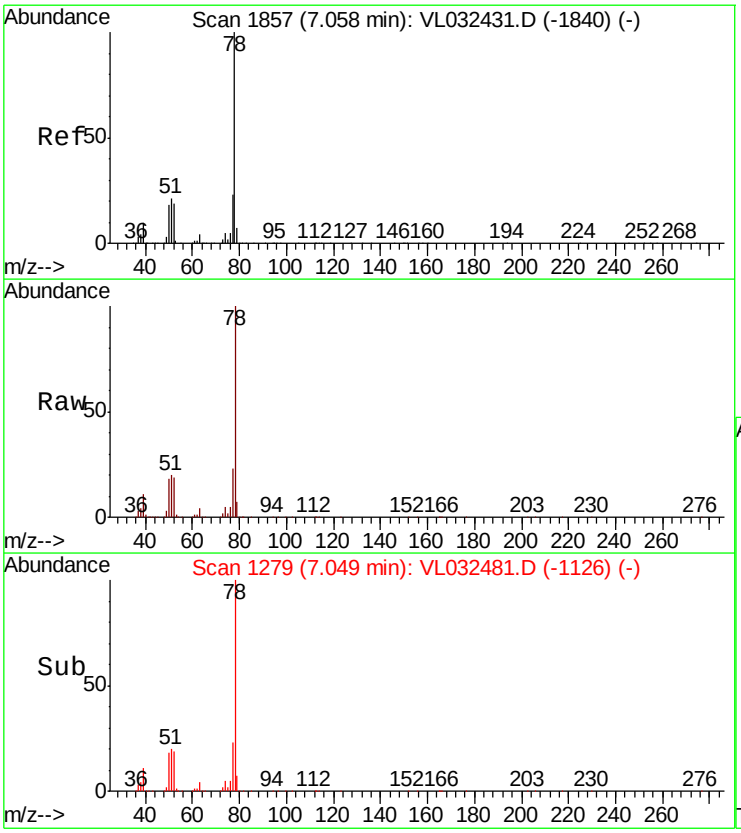
#35
Carbon Tetrachloride
Concen: 9.186 ppbv
RT: 7.18 min Scan# 1319
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2295689

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	115.0
121	29.4	24.6	36.8

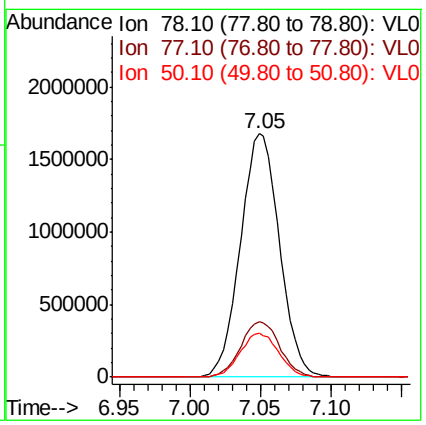


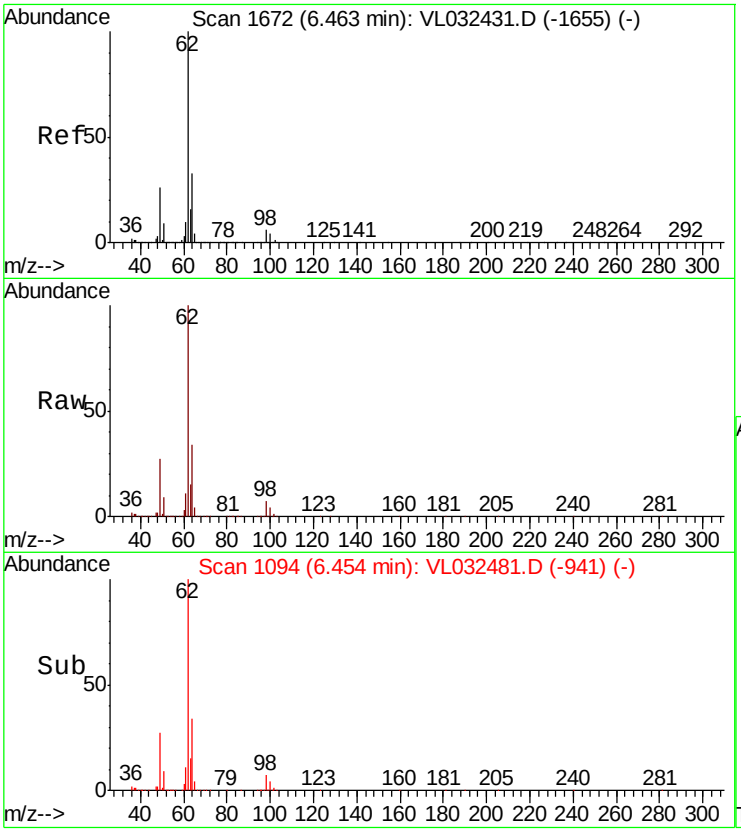


#36
Benzene
Concen: 10.273 ppbv
RT: 7.05 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 78 Resp: 3250700

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.4	27.6
50	17.8	14.4	21.6

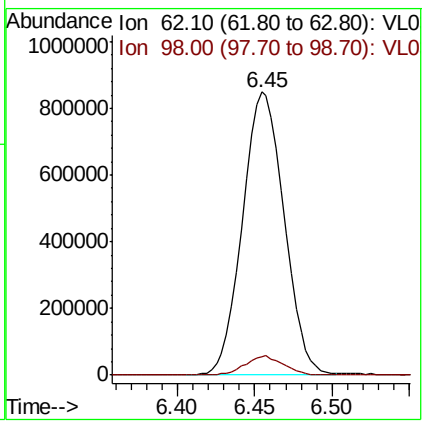




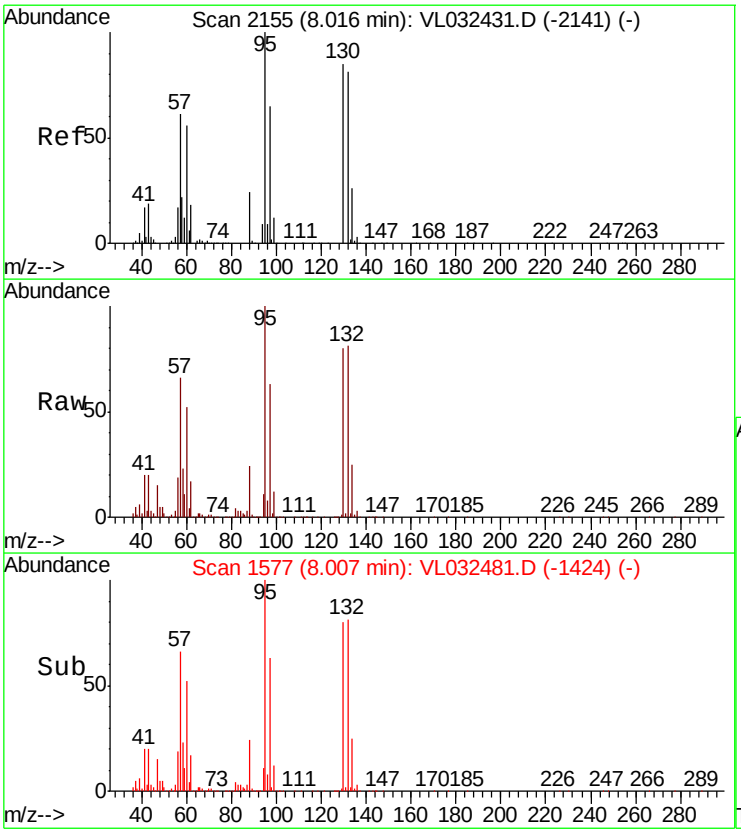
#37
1,2-Dichloroethane
Concen: 8.207 ppbv
RT: 6.45 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 62 Resp: 1591498

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.0	7.6



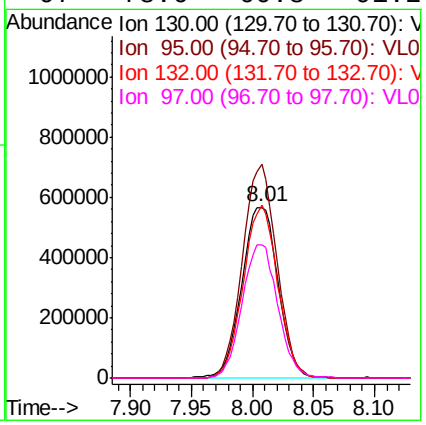
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

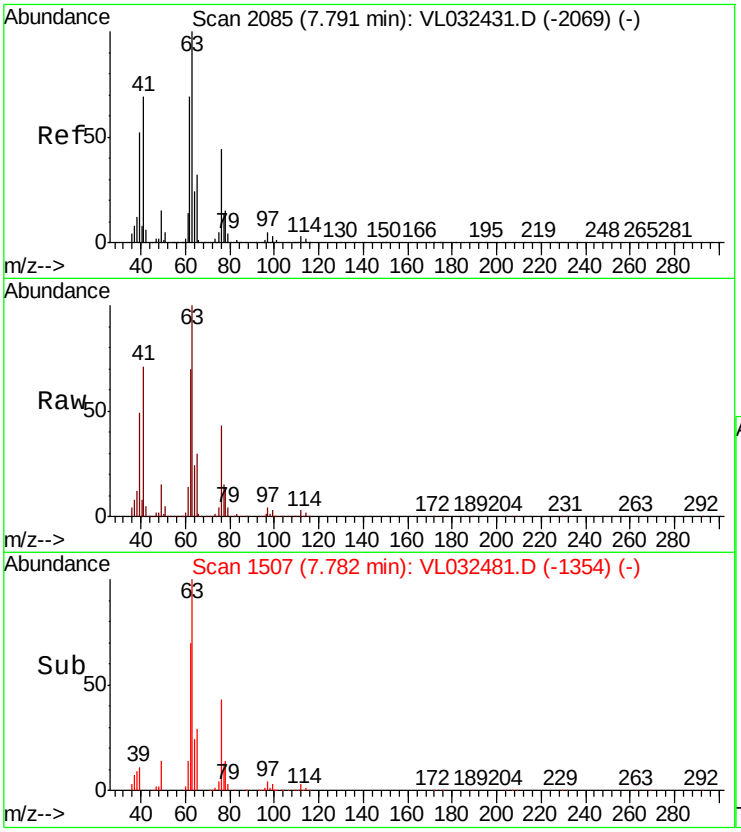


#38
Trichloroethene
Concen: 9.604 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:130 Resp: 1154422

Ion	Ratio	Lower	Upper
130	100		
95	125.5	94.2	141.4
132	101.5	76.2	114.4
97	78.6	60.8	91.2



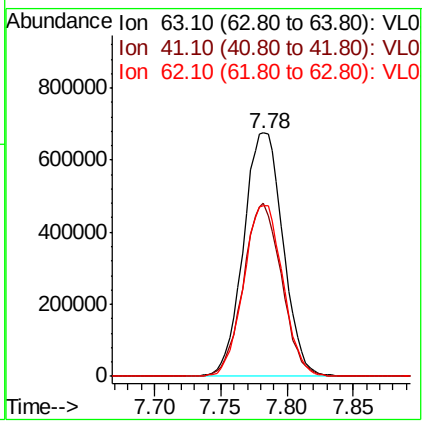


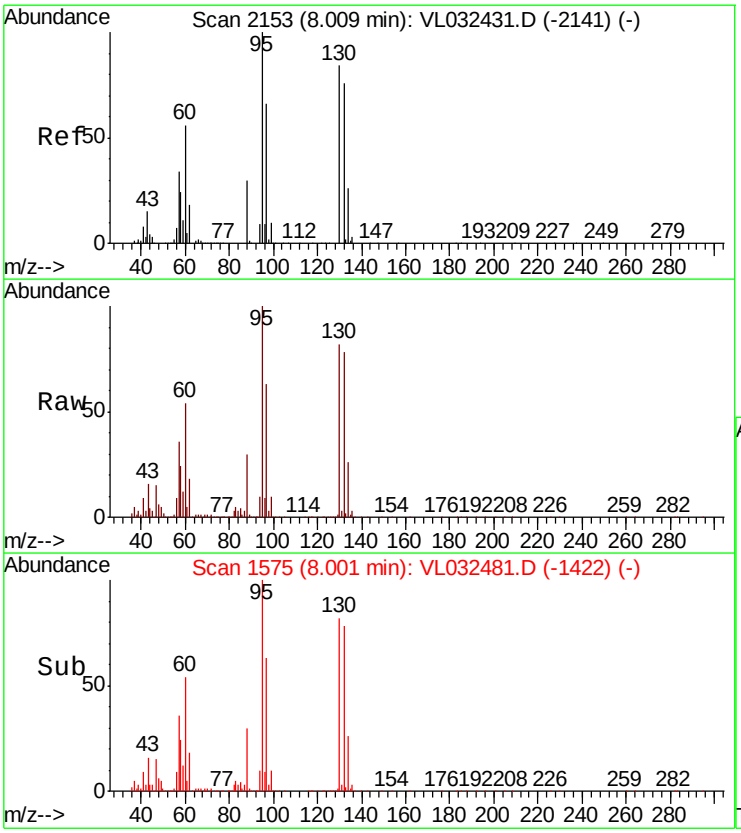
#39
1,2-Dichloropropane
Concen: 10.370 ppbv
RT: 7.78 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 1403922

Ion	Ratio	Lower	Upper
63	100		
41	70.9	55.4	83.0
62	70.1	55.4	83.0

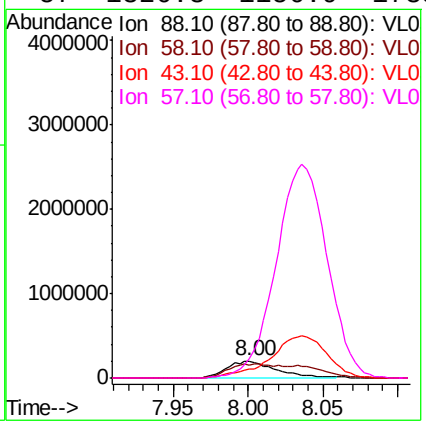


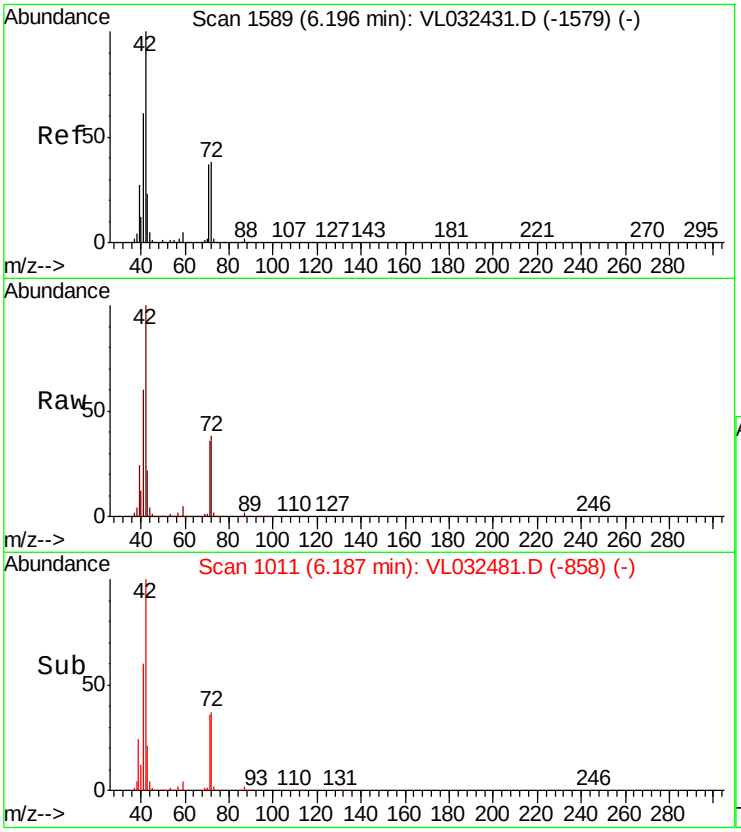


#40
1,4-Dioxane
Concen: 11.194 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 88 Resp: 454687

Ion	Ratio	Lower	Upper
88	100		
58	143.4	119.7	179.5
43	287.8	253.0	379.4
57	1326.3	1156.9	1735.3



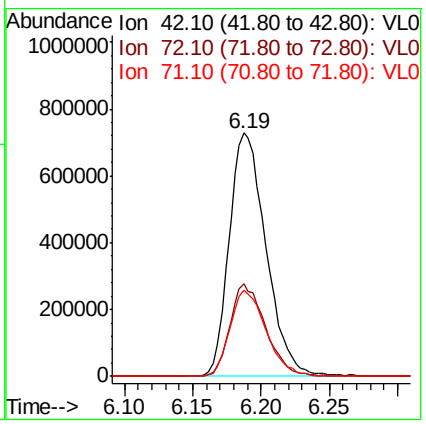


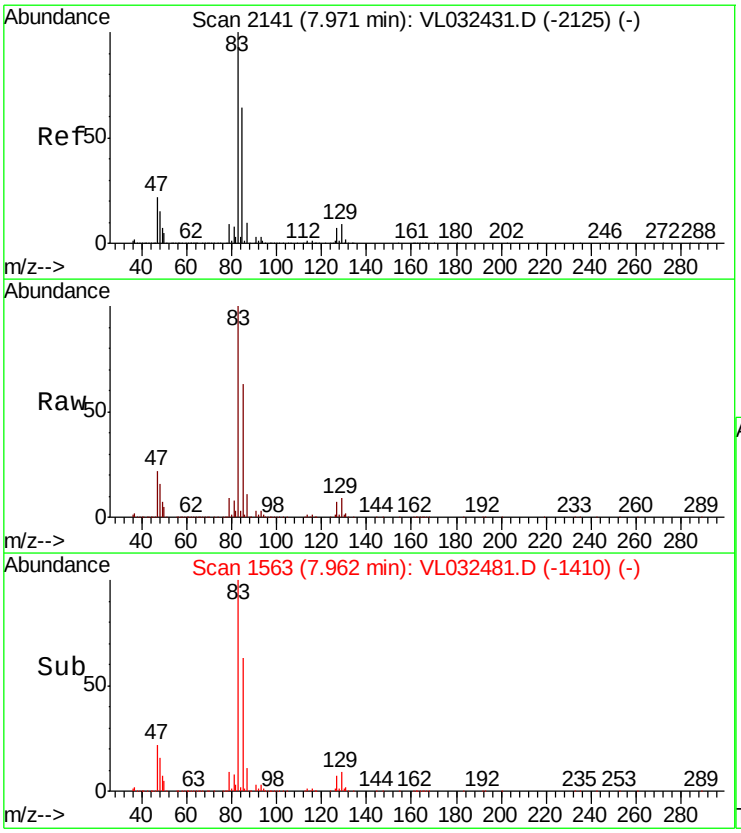
#41
Tetrahydrofuran
Concen: 10.128 ppbv
RT: 6.19 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 1361815

Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.5	44.3
71	35.0	28.3	42.5

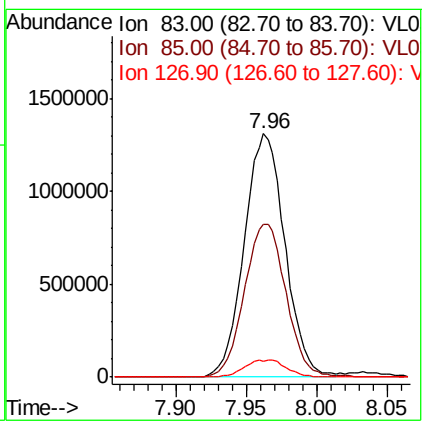


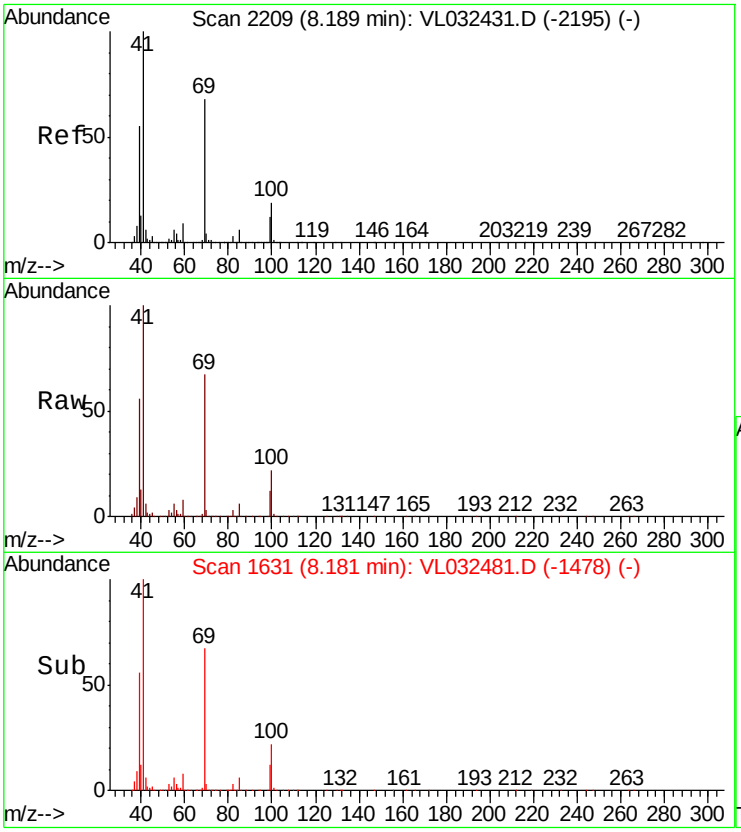


#42
Bromodichloromethane
Concen: 9.889 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 83 Resp: 2644824

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	6.6	5.8	8.8



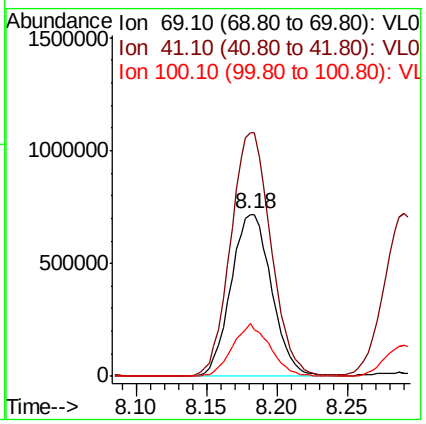


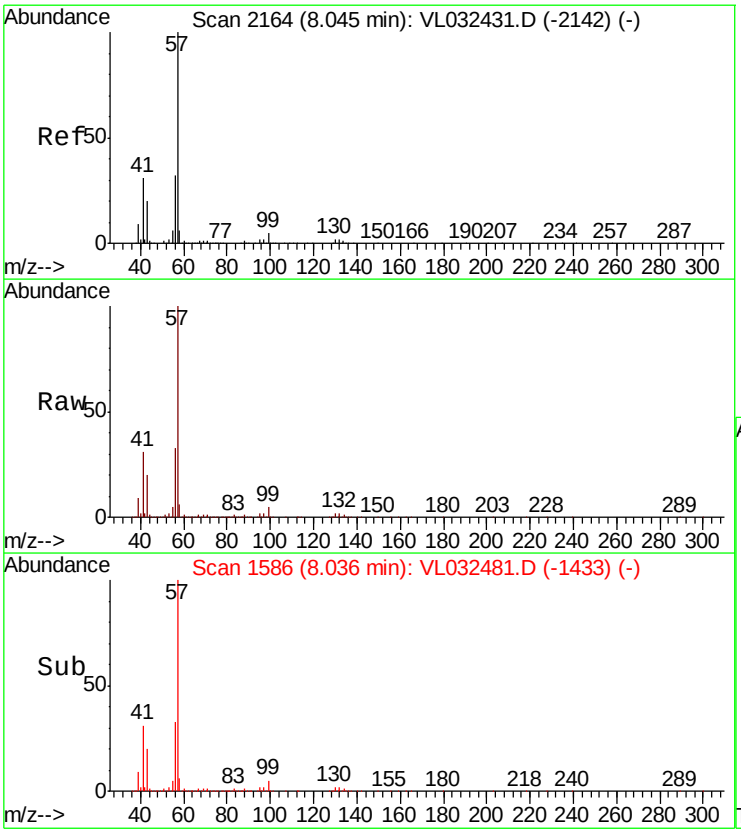
#43
Methyl Methacrylate
Concen: 10.765 ppbv
RT: 8.18 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1445153

Ion	Ratio	Lower	Upper
69	100		
41	149.2	117.1	175.7
100	30.1	23.4	35.2

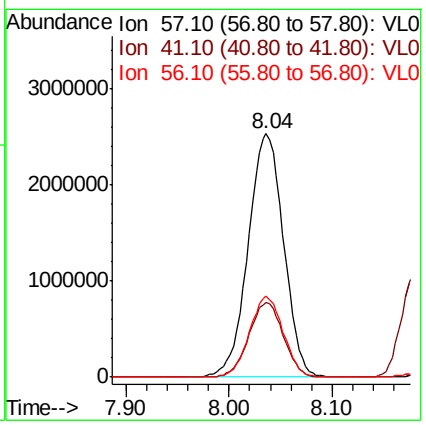


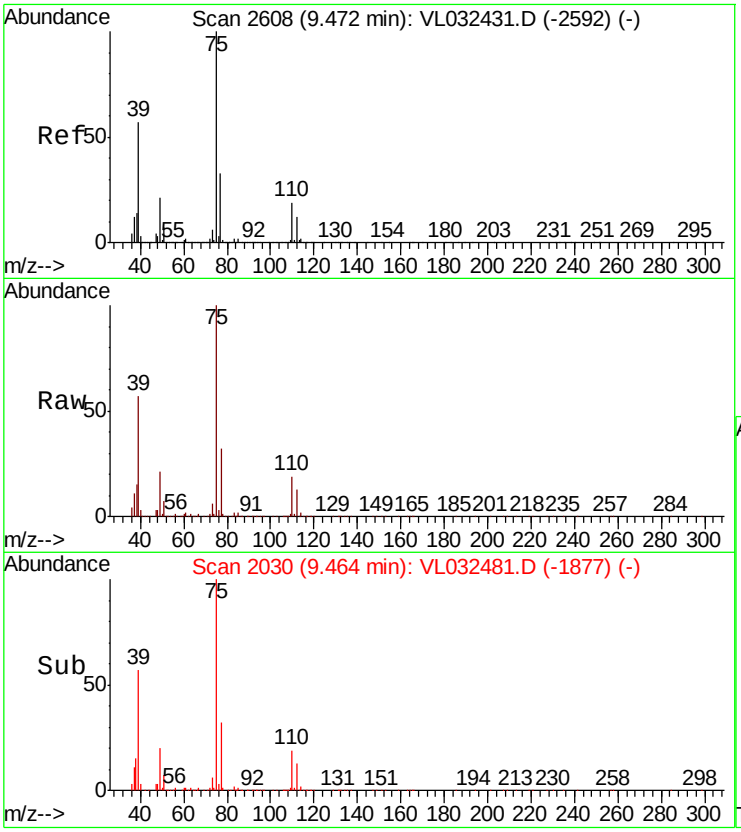


#44
2,2,4-Trimethylpentane
Concen: 9.842 ppbv
RT: 8.04 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 57 Resp: 6021089

Ion	Ratio	Lower	Upper
57	100		
41	29.8	24.4	36.6
56	31.8	25.7	38.5



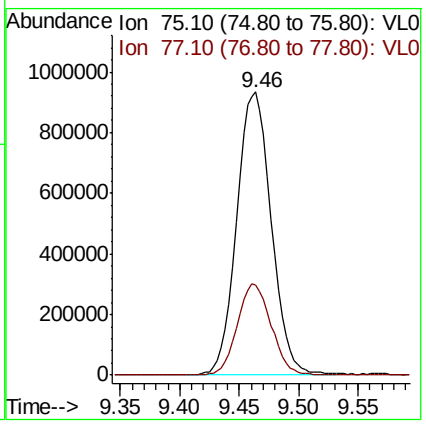


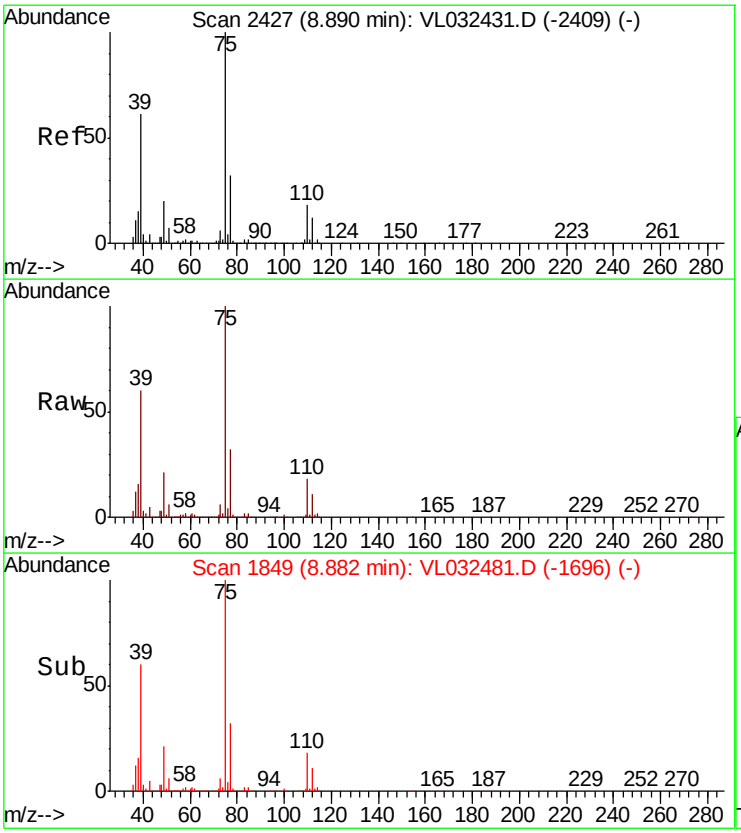
#45
t-1,3-Dichloropropene
Concen: 13.061 ppbv
RT: 9.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1876263

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.2

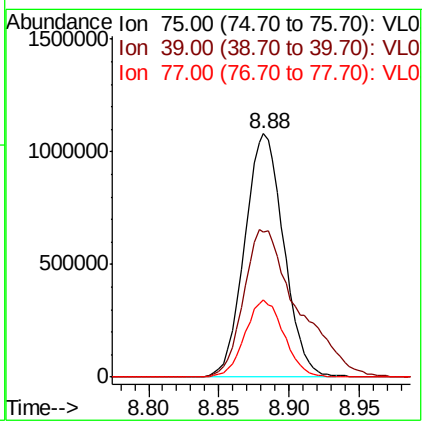


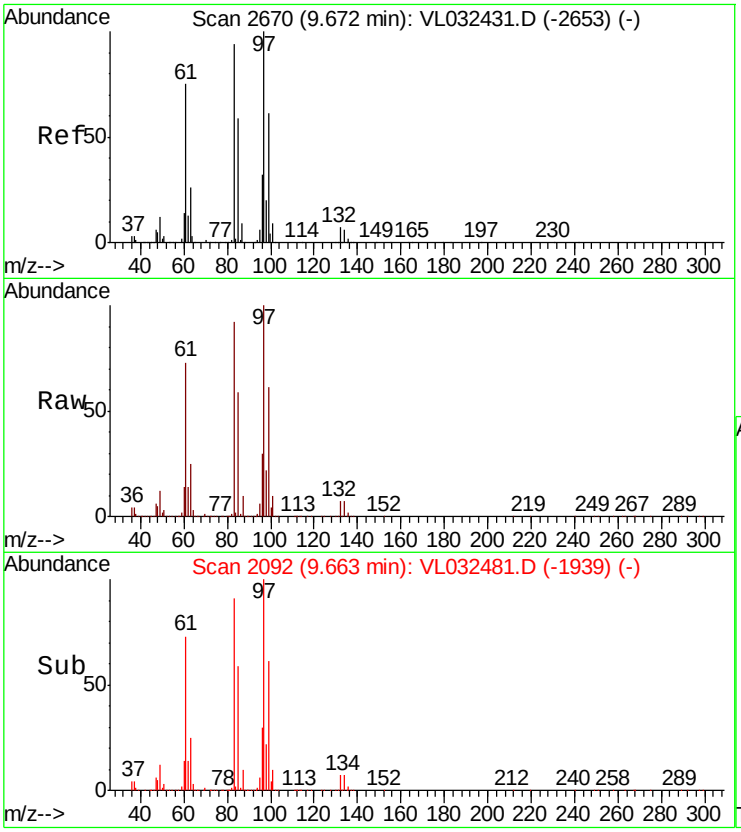


#46
cis-1,3-Dichloropropene
Concen: 11.427 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 75 Resp: 2097563

Ion	Ratio	Lower	Upper
75	100		
39	59.7	48.9	73.3
77	31.9	25.4	38.0



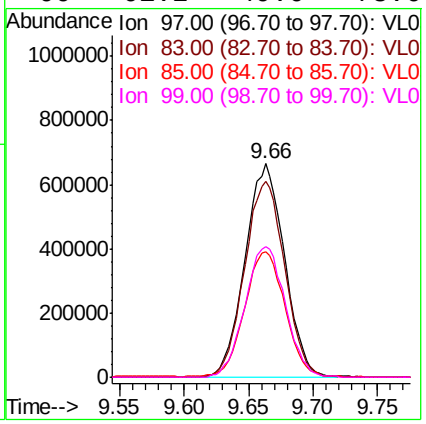


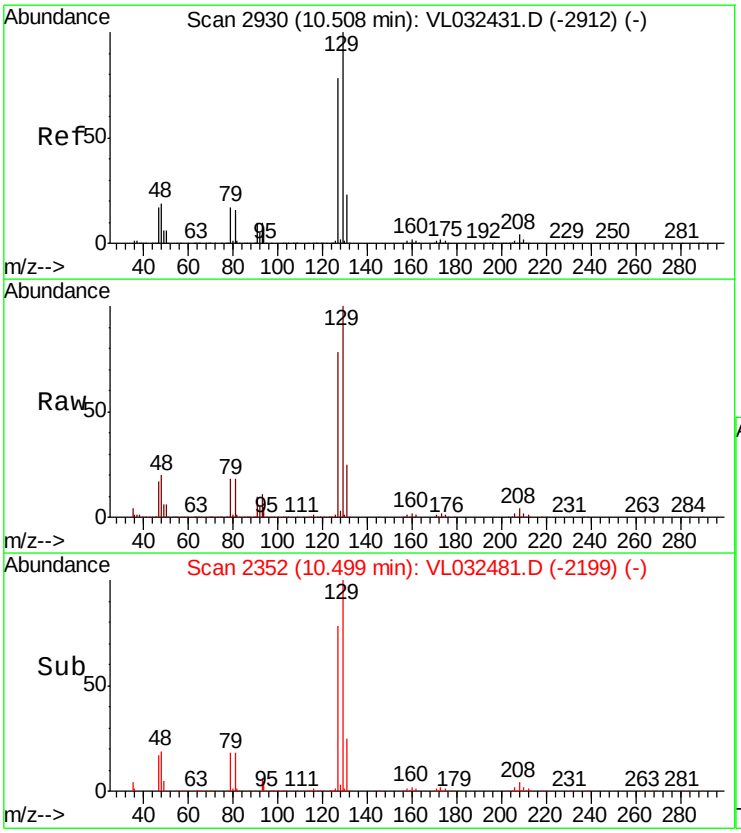
#47
1,1,2-Trichloroethane
Concen: 9.877 ppbv
RT: 9.66 min Scan# 2092
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1421777

Ion	Ratio	Lower	Upper
97	100		
83	91.5	75.0	112.4
85	58.4	47.5	71.3
99	61.2	49.0	73.6

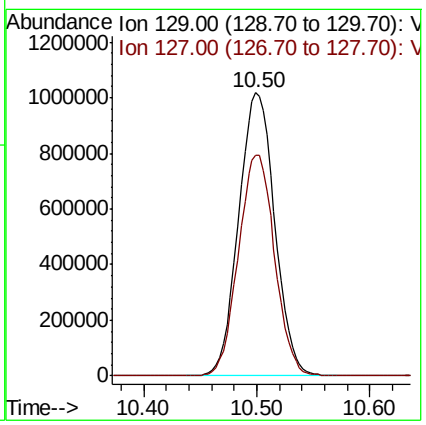


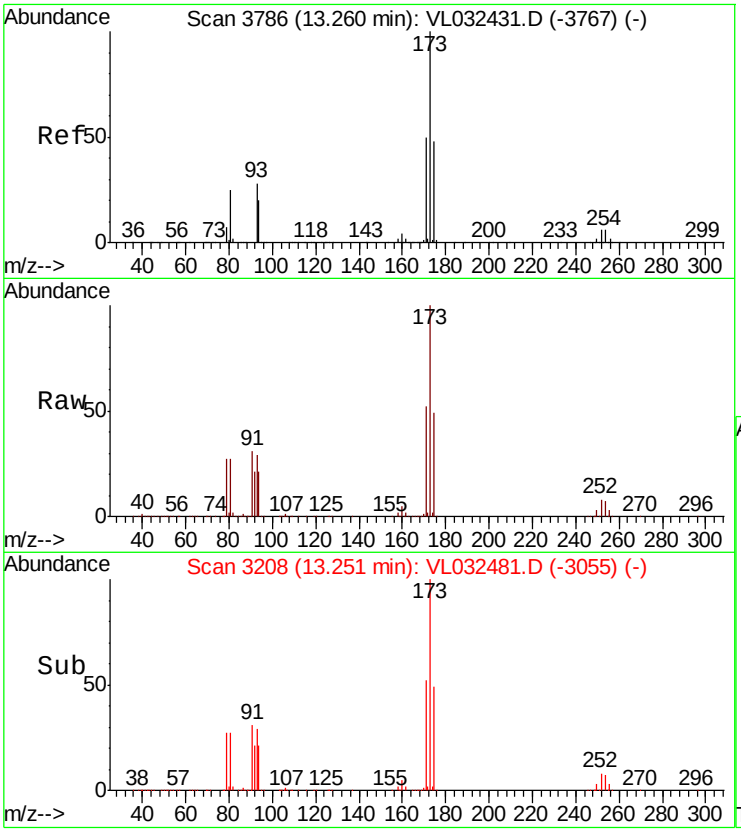


#48
Dibromochloromethane
Concen: 11.338 ppbv
RT: 10.50 min Scan# 2352
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:129 Resp: 2260233

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.3



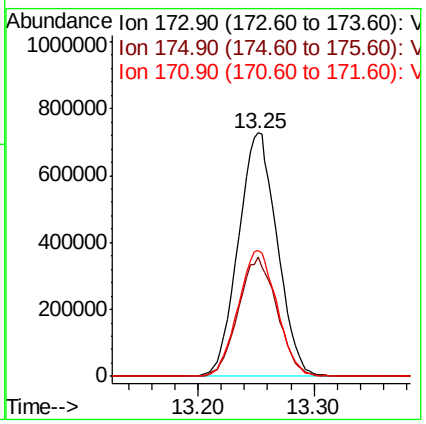


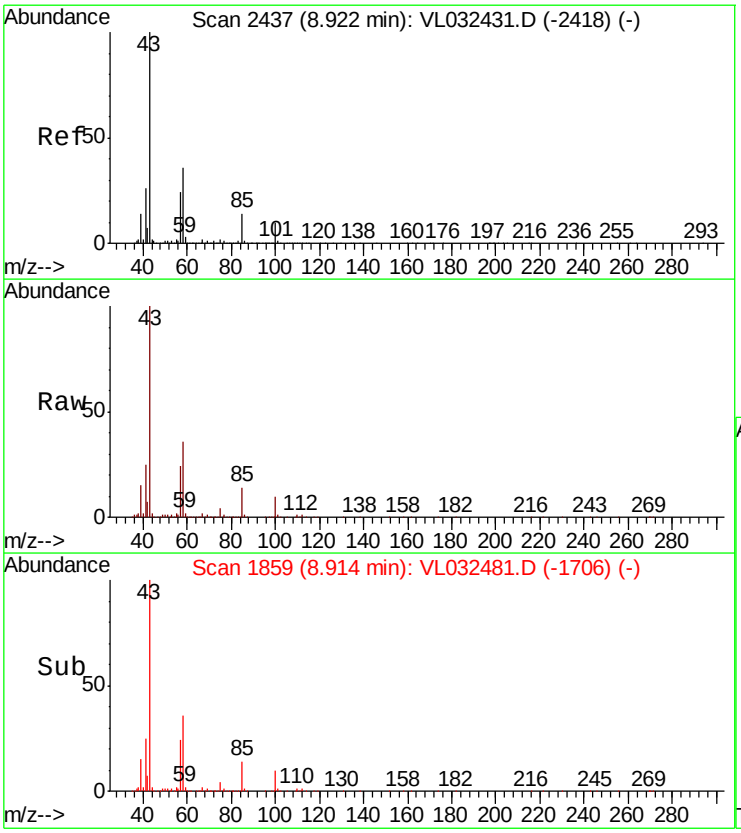
#49
Bromoform
Concen: 9.765 ppbv
RT: 13.25 min Scan# 3208
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1691992

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.9	58.3
171	52.0	41.6	62.4

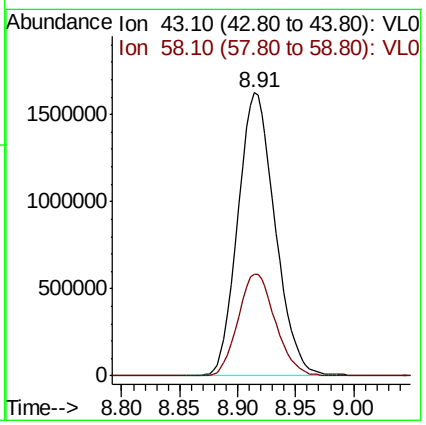


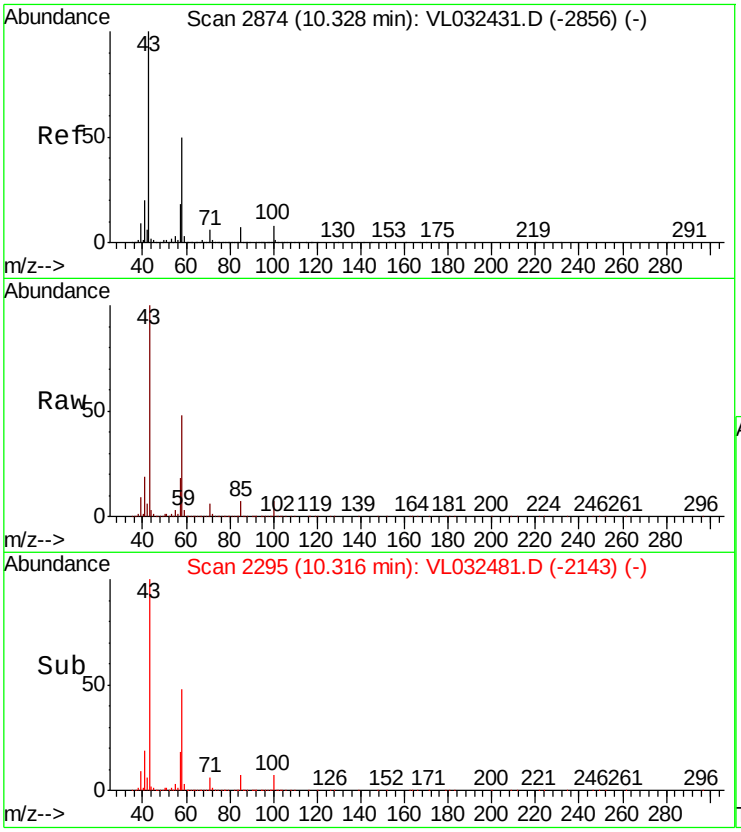


#50
4-Methyl-2-Pentanone
Concen: 9.730 ppbv
RT: 8.91 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 3620050

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.0	43.4



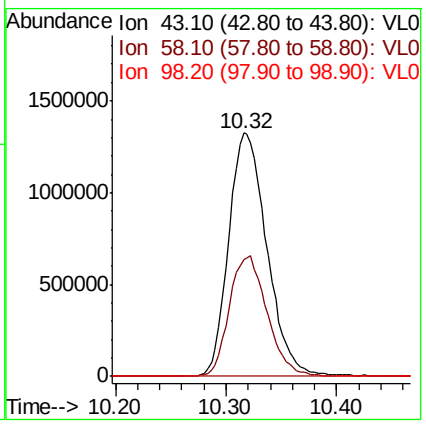


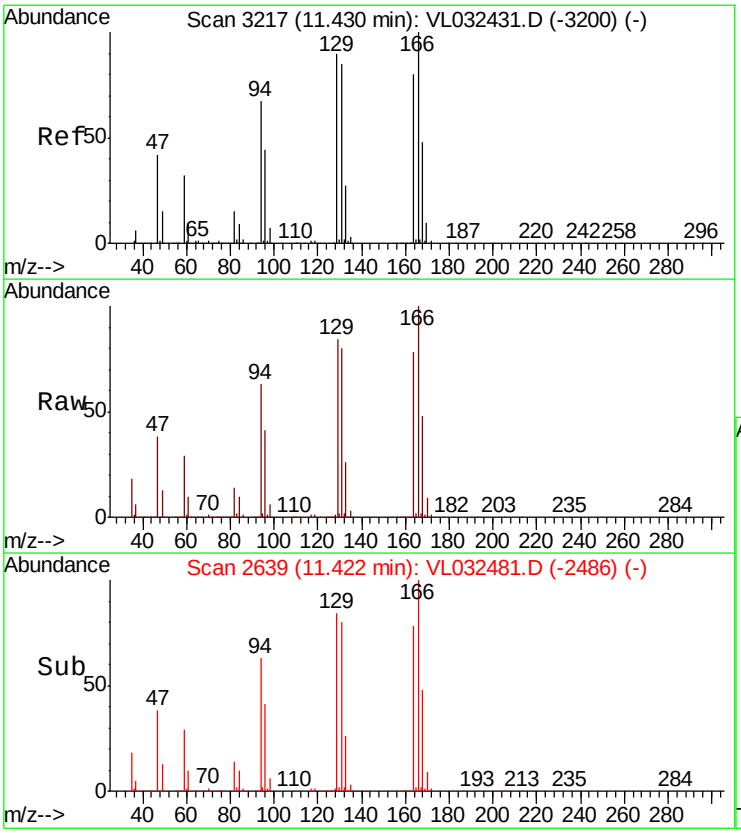
#51
2-Hexanone
Concen: 13.249 ppbv
RT: 10.32 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3175212

Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.2	58.8
98	0.3	0.4	0.6#

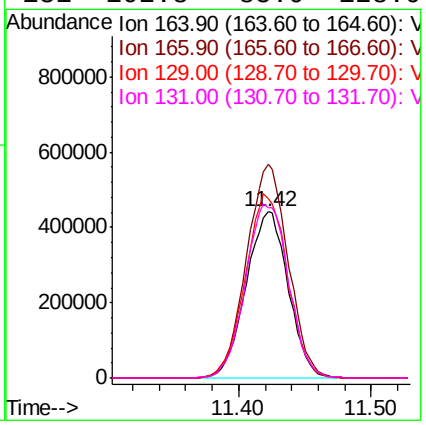


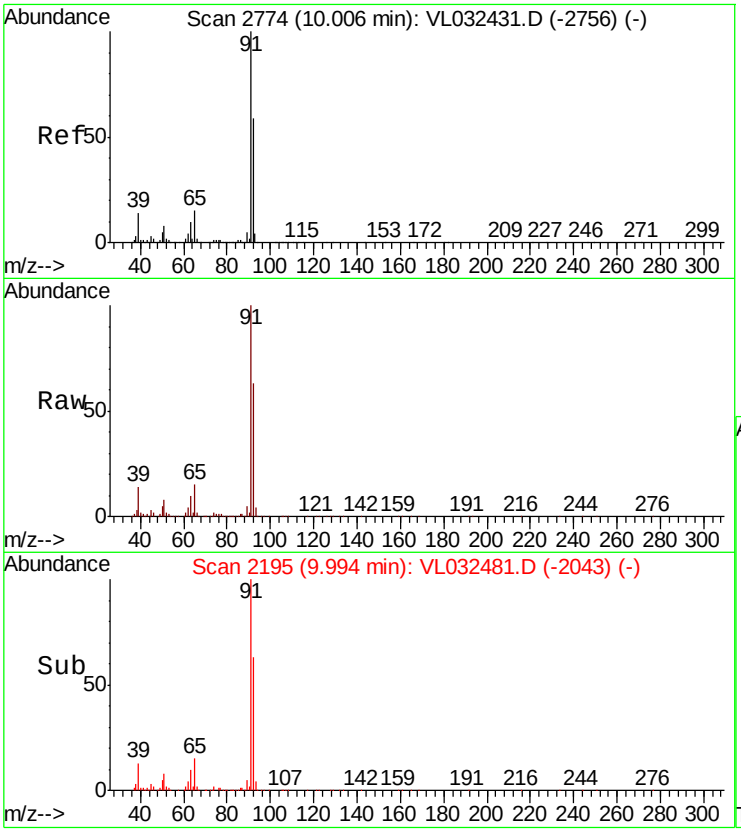


#52
Tetrachloroethene
Concen: 9.890 ppbv
RT: 11.42 min Scan# 2639
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:164 Resp: 970427

Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.6	150.8
129	108.0	89.9	134.9
131	102.8	85.9	128.9



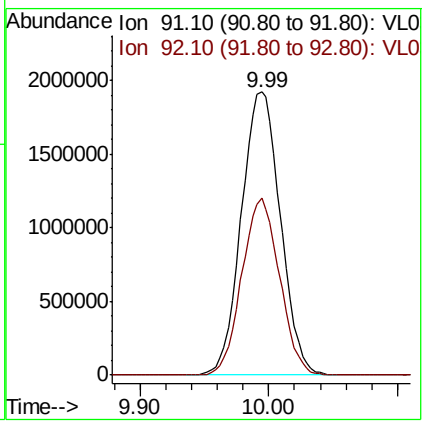


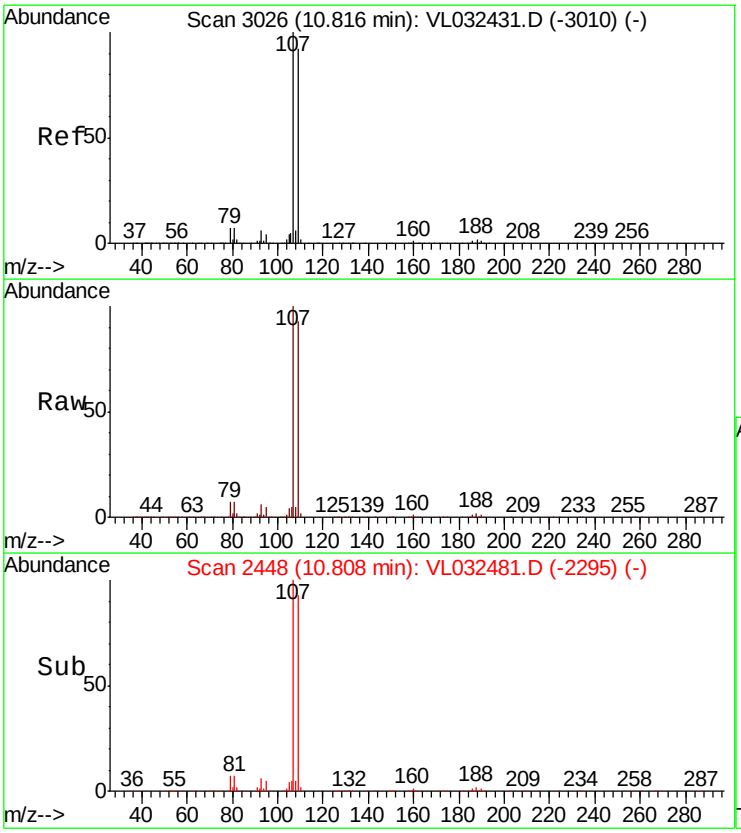
#53
Toluene
Concen: 12.246 ppbv
RT: 9.99 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4050470

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.1	72.1

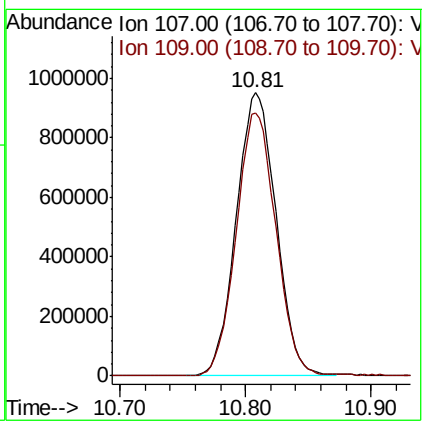


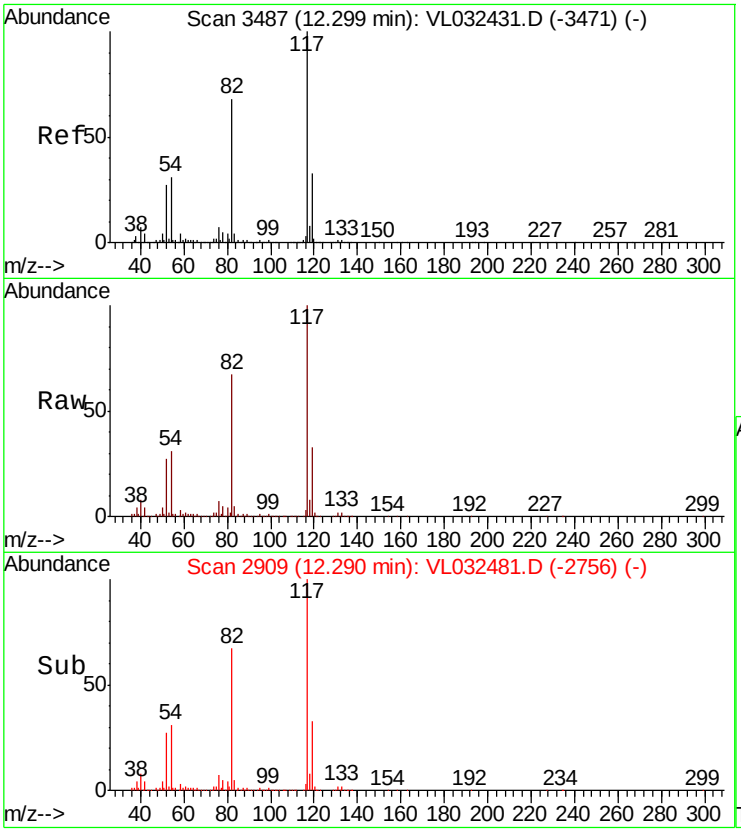


#54
1,2-Dibromoethane
Concen: 10.842 ppbv
RT: 10.81 min Scan# 2448
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:107 Resp: 2095388

Ion	Ratio	Lower	Upper
107	100		
109	93.0	73.9	110.9



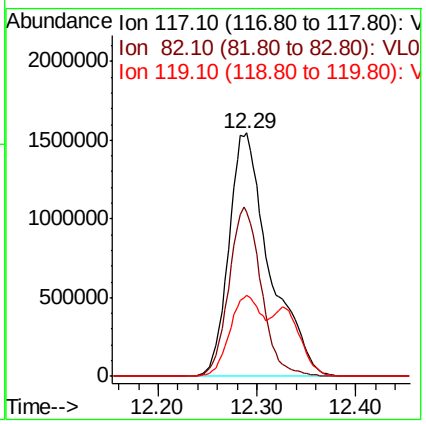


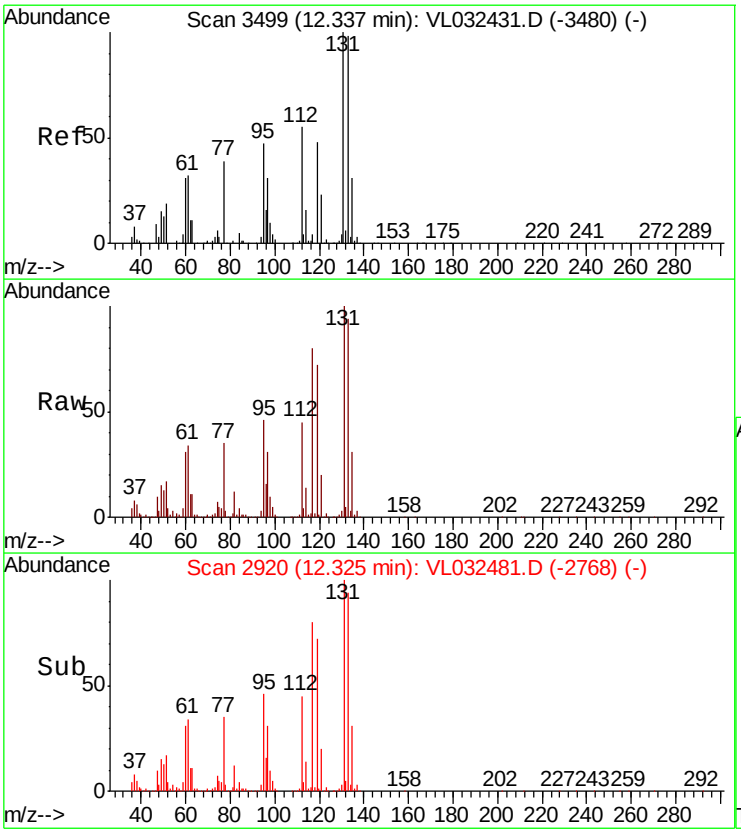
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 4453096

Ion	Ratio	Lower	Upper
117	100		
82	55.4	53.0	79.6
119	46.6	45.9	68.9

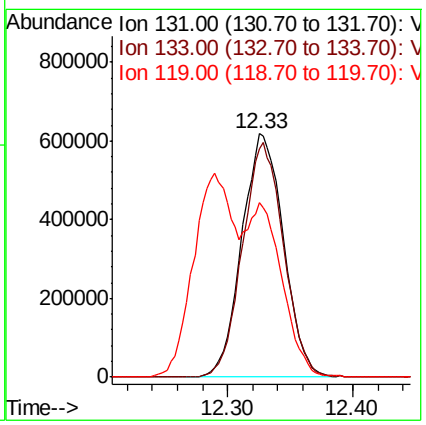


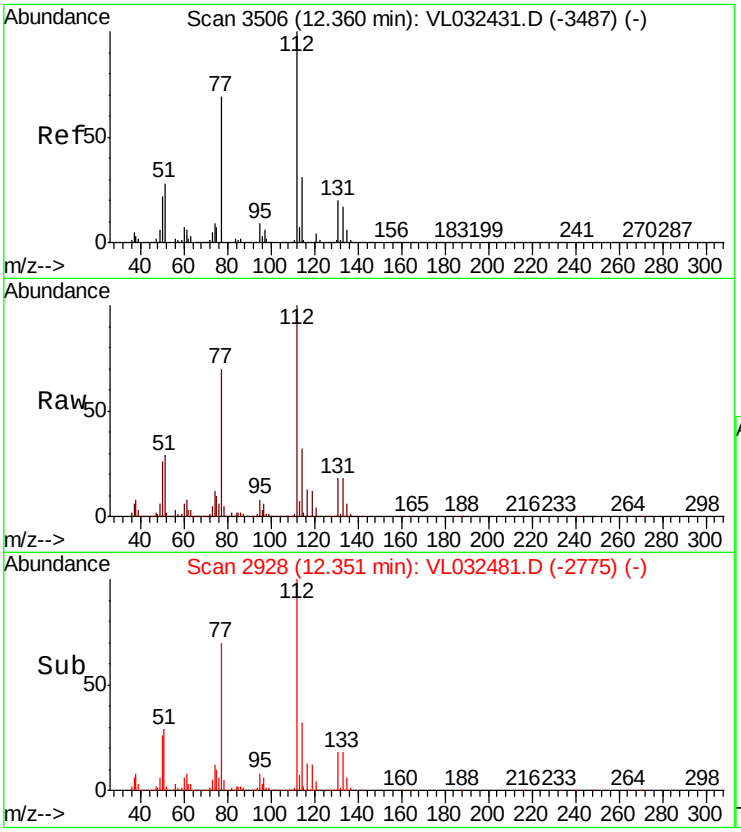


#56
1,1,1,2-Tetrachloroethane
Concen: 7.090 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:131 Resp: 1423400

Ion	Ratio	Lower	Upper
131	100		
133	95.4	77.0	115.4
119	145.4	114.2	171.2



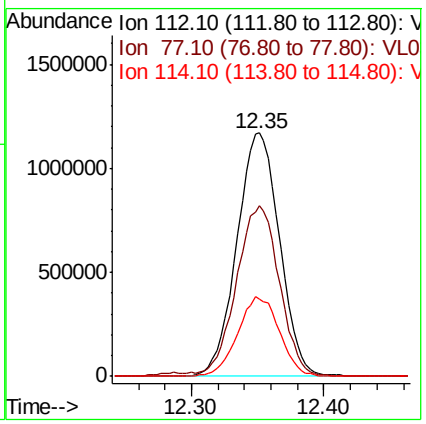


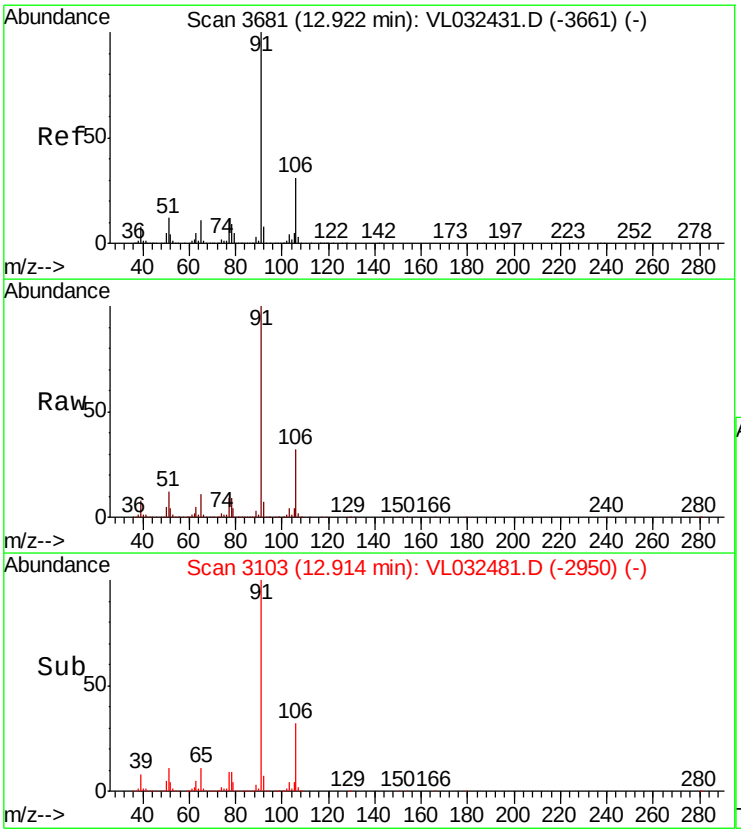
#57
Chlorobenzene
Concen: 7.312 ppbv
RT: 12.35 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:112 Resp: 2602198

Ion	Ratio	Lower	Upper
112	100		
77	69.9	56.1	84.1
114	31.8	27.8	34.0

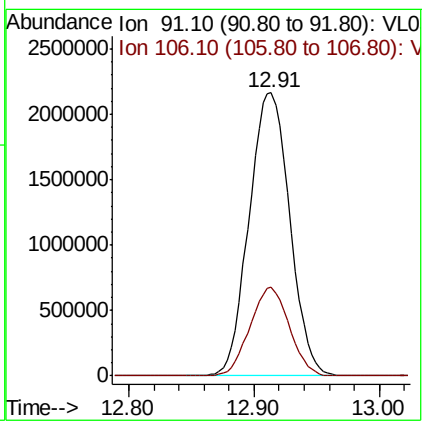


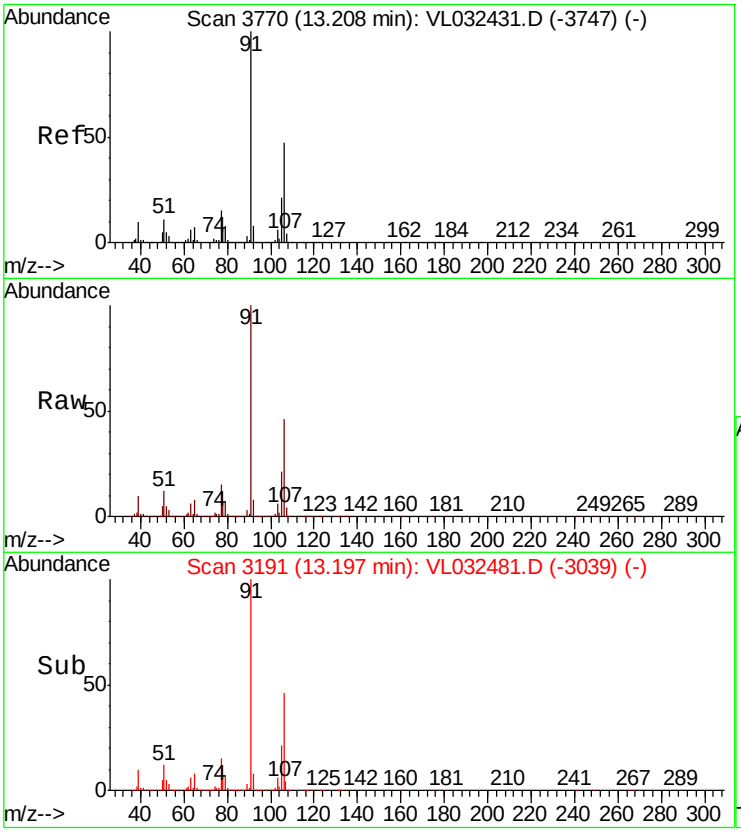


#58
Ethyl Benzene
Concen: 9.153 ppbv
RT: 12.91 min Scan# 3103
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 4877792

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.8	37.2



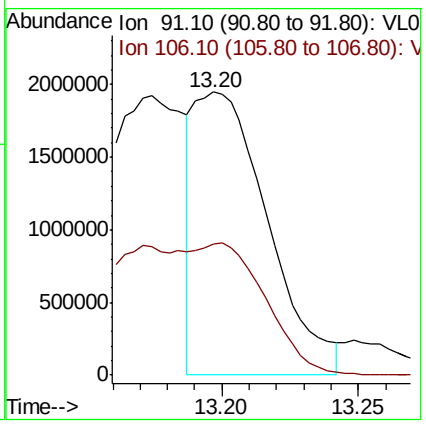


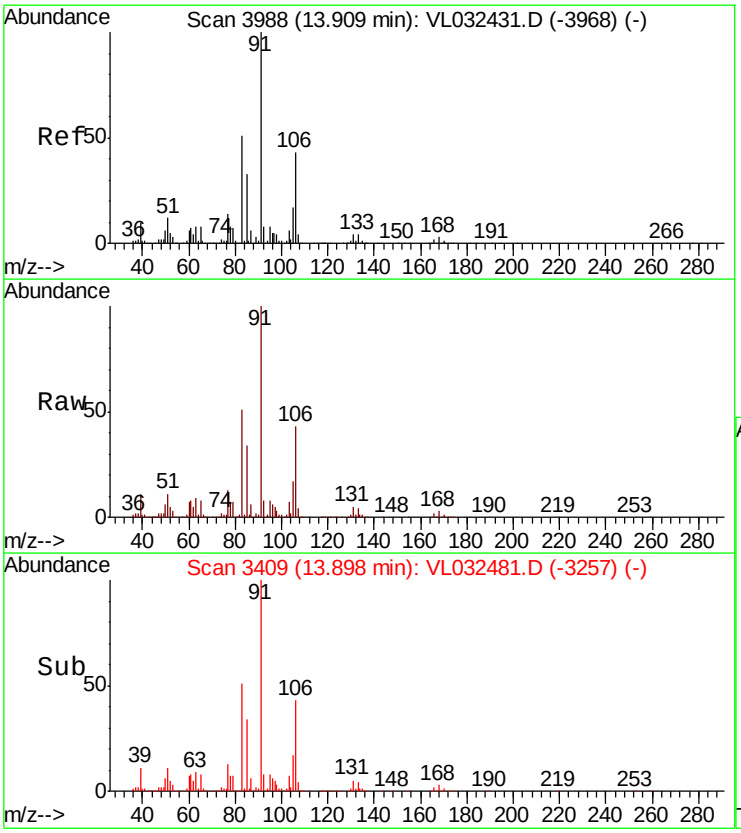
#59
m/p-Xylene
Concen: 7.609 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3614900

Ion	Ratio	Lower	Upper
91	100		
106	100.2	36.6	55.0#

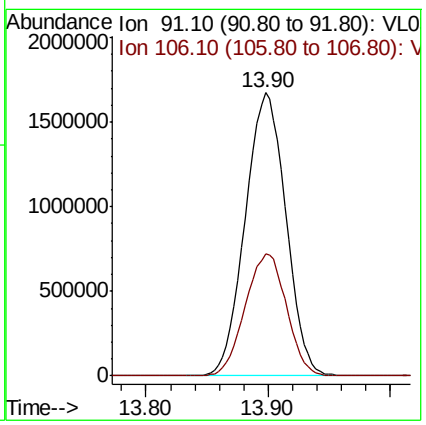


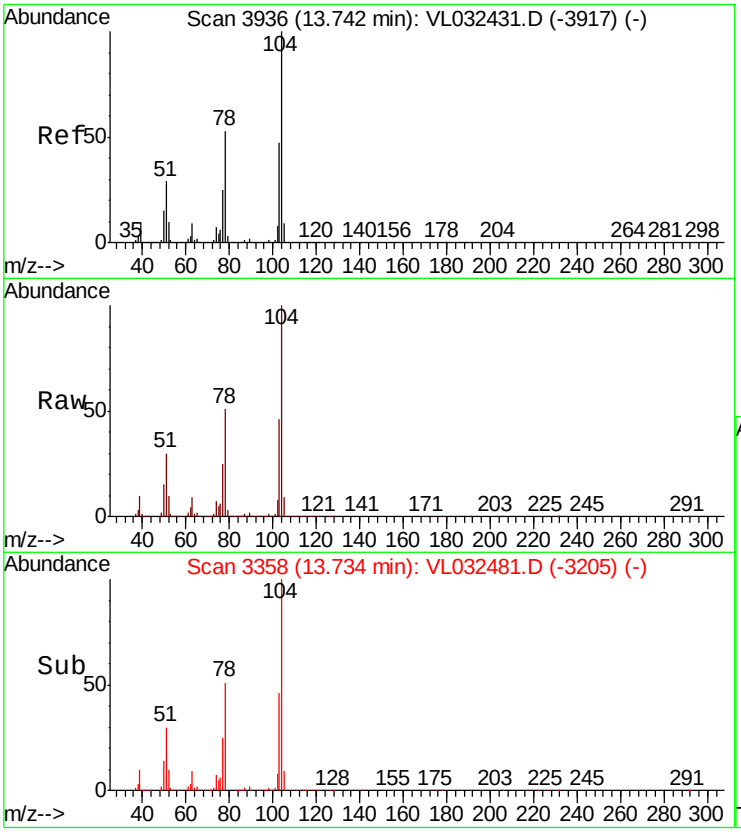


#60
o-Xylene
Concen: 8.258 ppbv
RT: 13.90 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 3854015

Ion	Ratio	Lower	Upper
91	100		
106	43.9	21.9	65.7



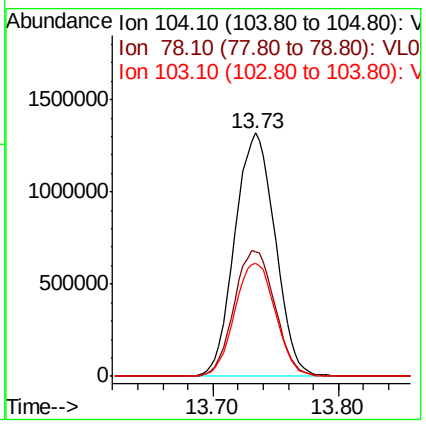


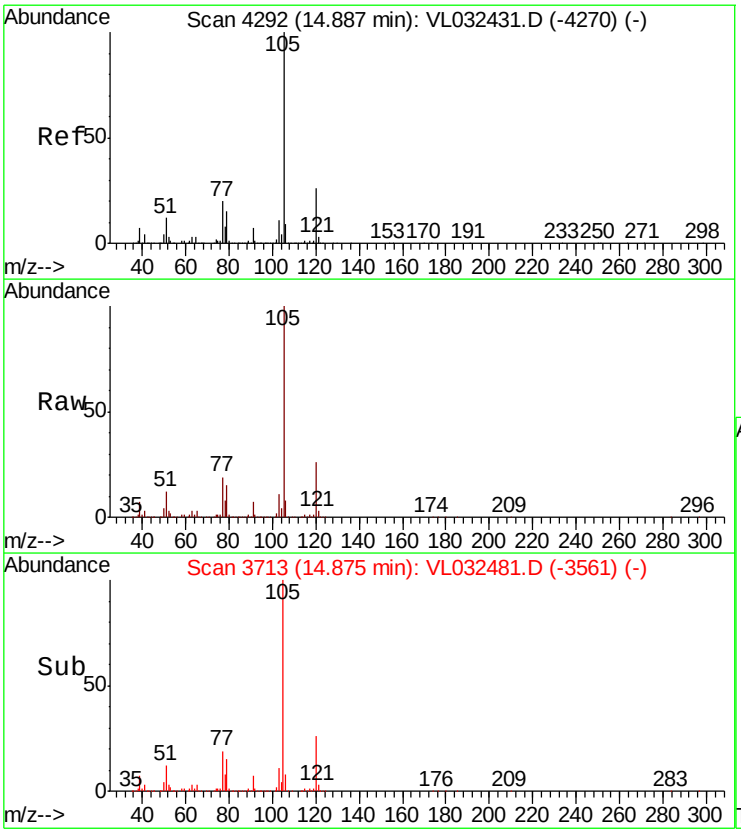
#61
Styrene
Concen: 9.757 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2947802

Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.8	62.8
103	47.0	38.0	57.0

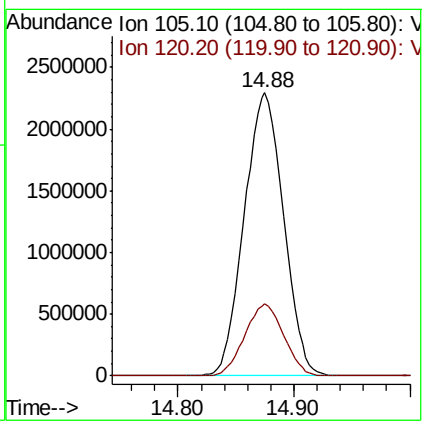


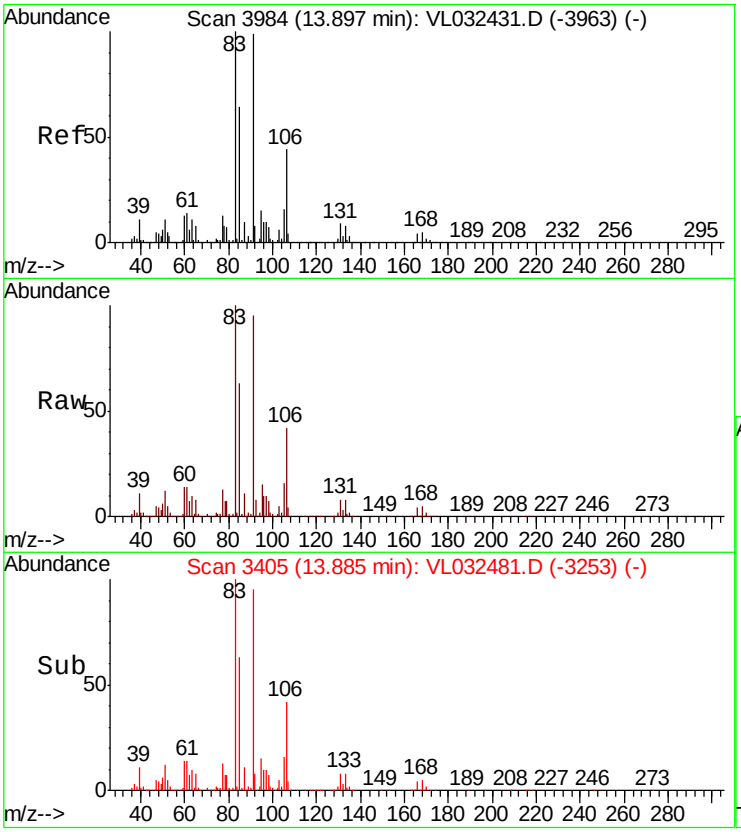


#62
Isopropylbenzene
Concen: 8.259 ppbv
RT: 14.88 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:105 Resp: 5418112

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0



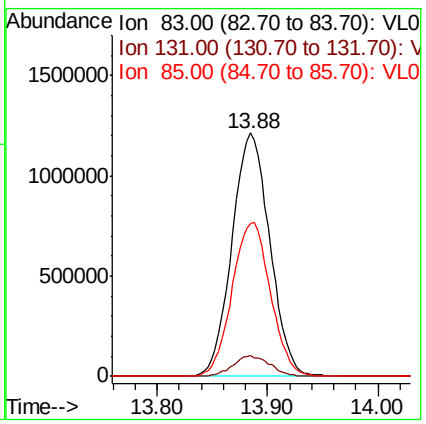


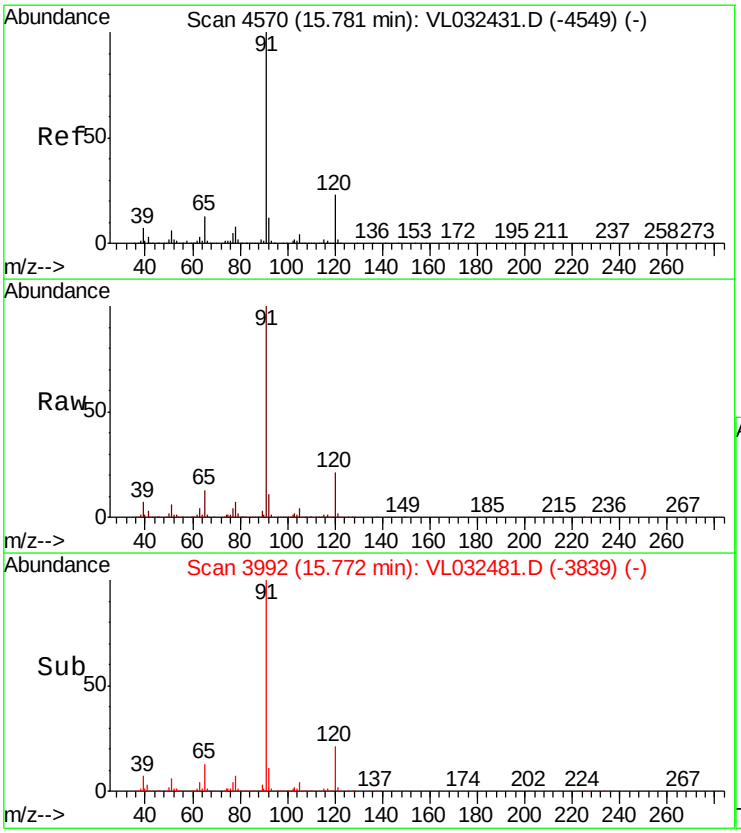
#63
1,1,2,2-Tetrachloroethane
Concen: 6.909 ppbv
RT: 13.88 min Scan# 3405
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2882947

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.4	32.3	96.8

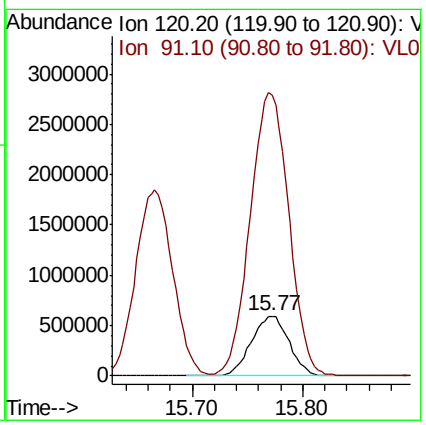


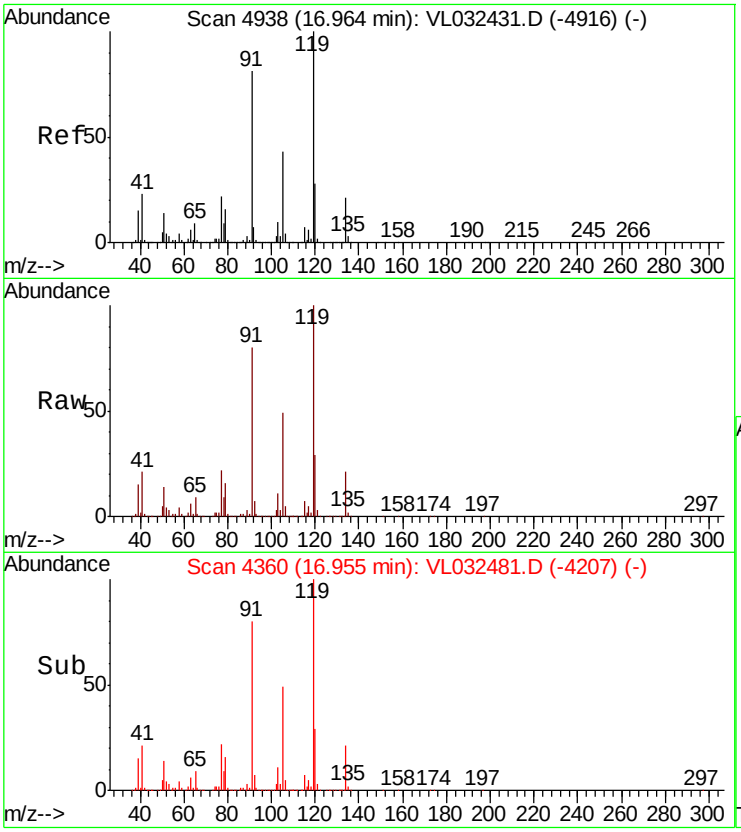


#64
n-propylbenzene
Concen: 8.227 ppbv
RT: 15.77 min Scan# 3992
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:120 Resp: 1411008

Ion	Ratio	Lower	Upper
120	100		
91	487.2	381.8	572.6



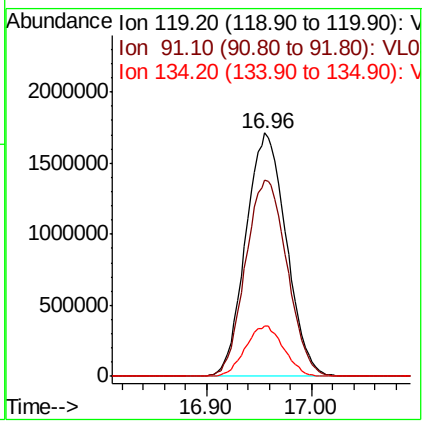


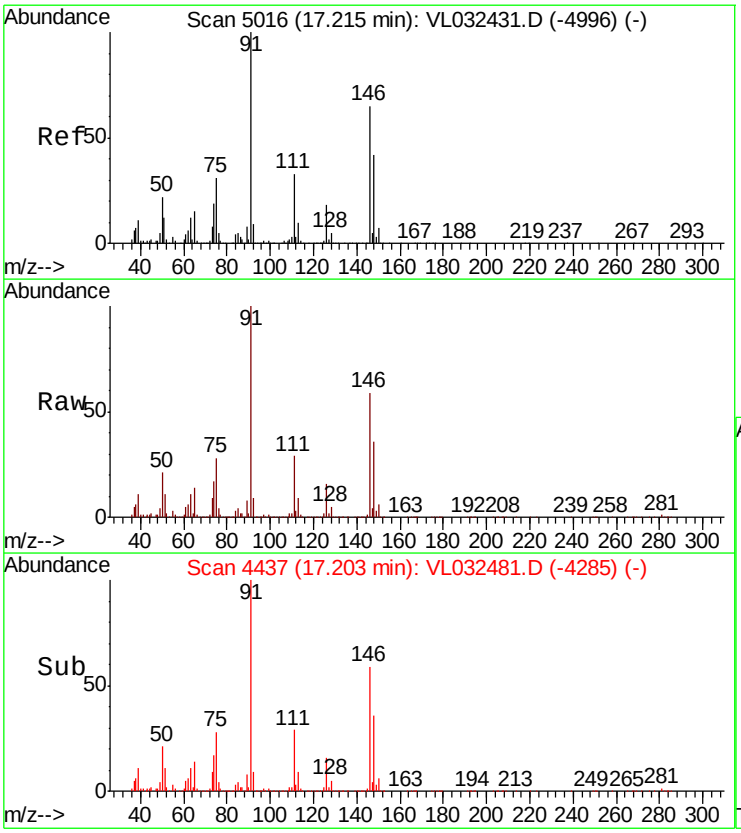
#65
tert-Butylbenzene
Concen: 8.080 ppbv
RT: 16.96 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 4567797

Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.5	99.7
134	19.7	16.0	24.0

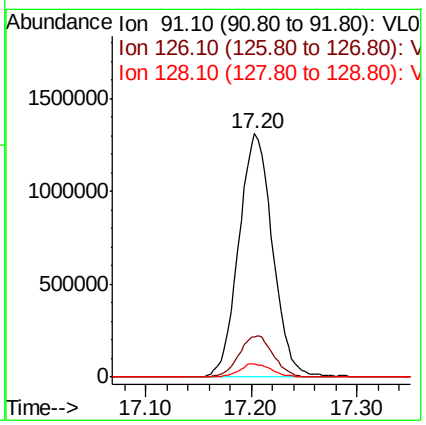


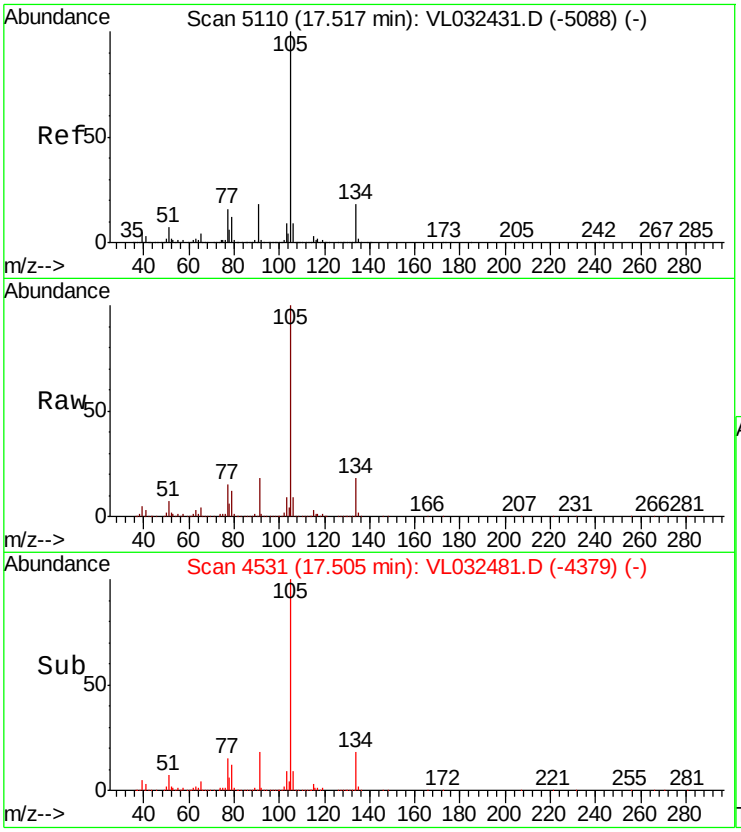


#66
Benzyl Chloride
Concen: 9.293 ppbv
RT: 17.20 min Scan# 4437
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 2926649

Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.8	20.8
128	5.5	4.4	6.6



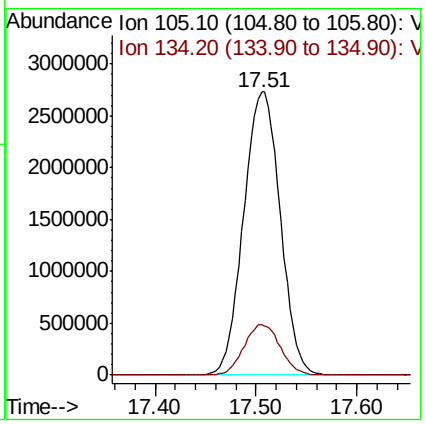


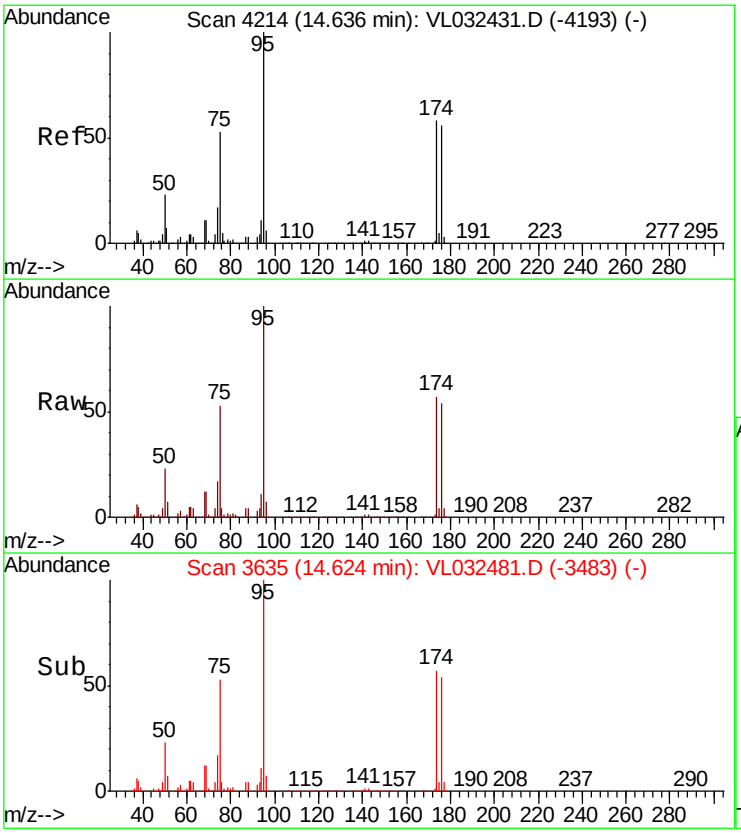
#67
sec-Butylbenzene
Concen: 8.079 ppbv
RT: 17.51 min Scan# 4531
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 6868856

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.4	21.6

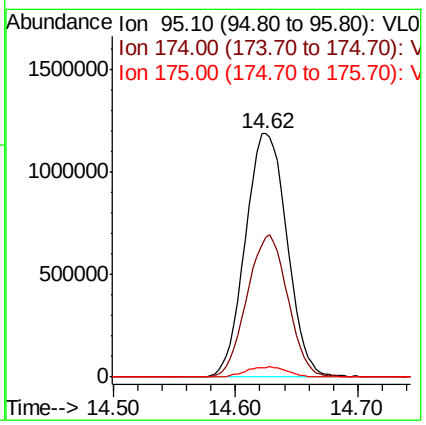


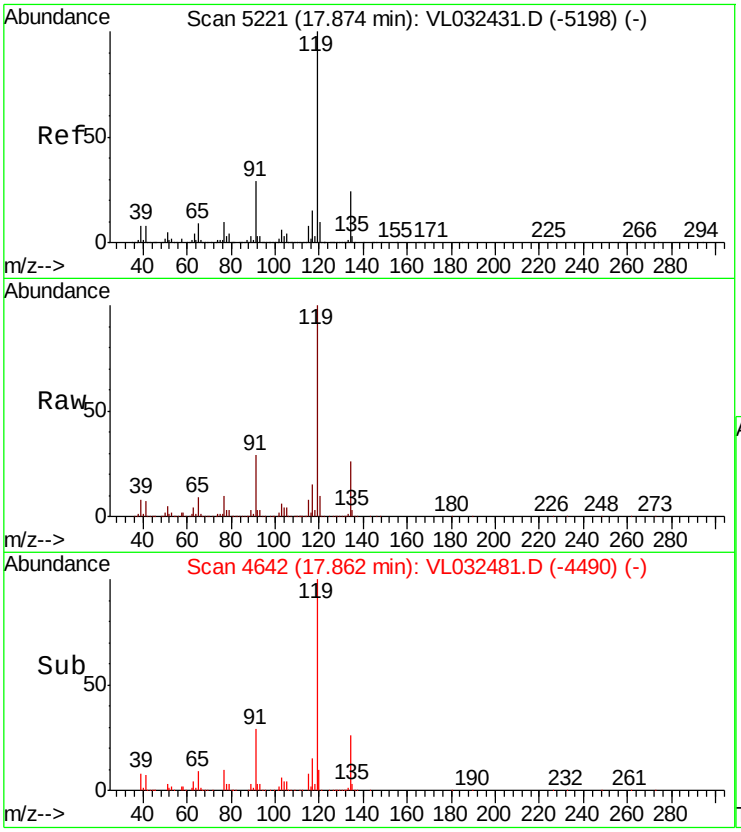


#68
1-Bromo-4-Fluorobenzene
Concen: 8.484 ppbv
RT: 14.62 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 95 Resp: 2804927

Ion	Ratio	Lower	Upper
95	100		
174	57.1	46.3	69.5
175	4.2	3.4	5.0



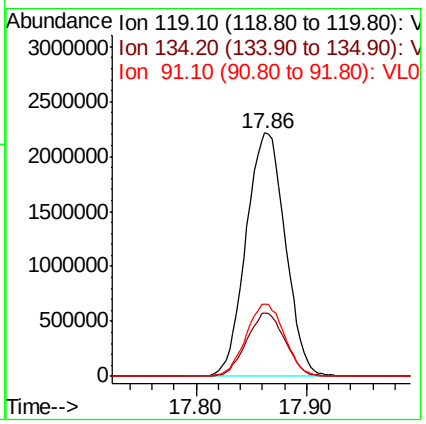


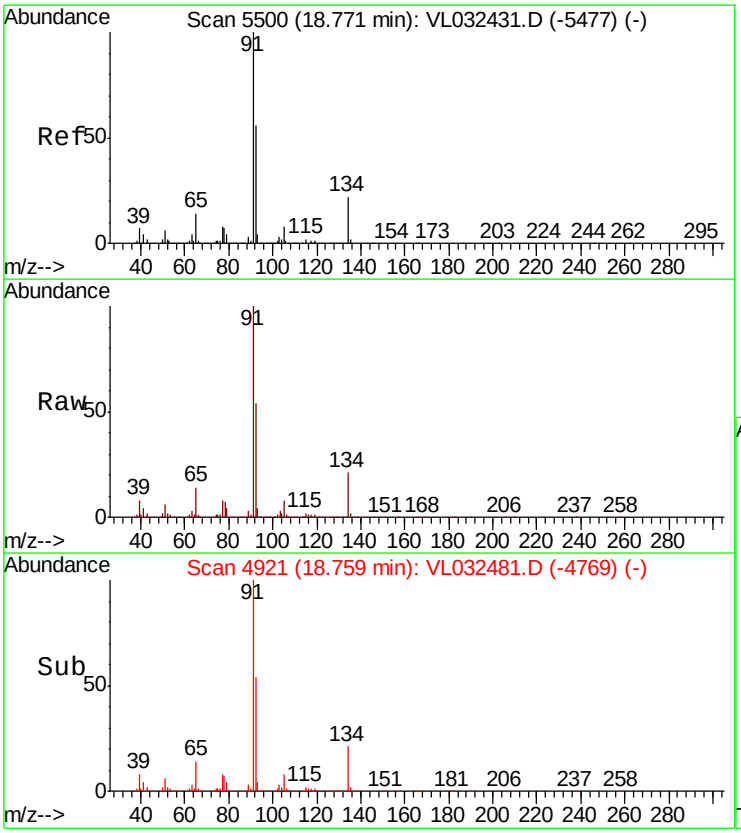
#69
p-Isopropyltoluene
Concen: 8.264 ppbv
RT: 17.86 min Scan# 4642
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5445363

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	29.3	23.4	35.2

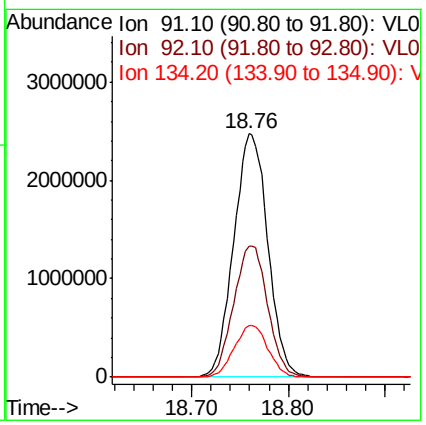


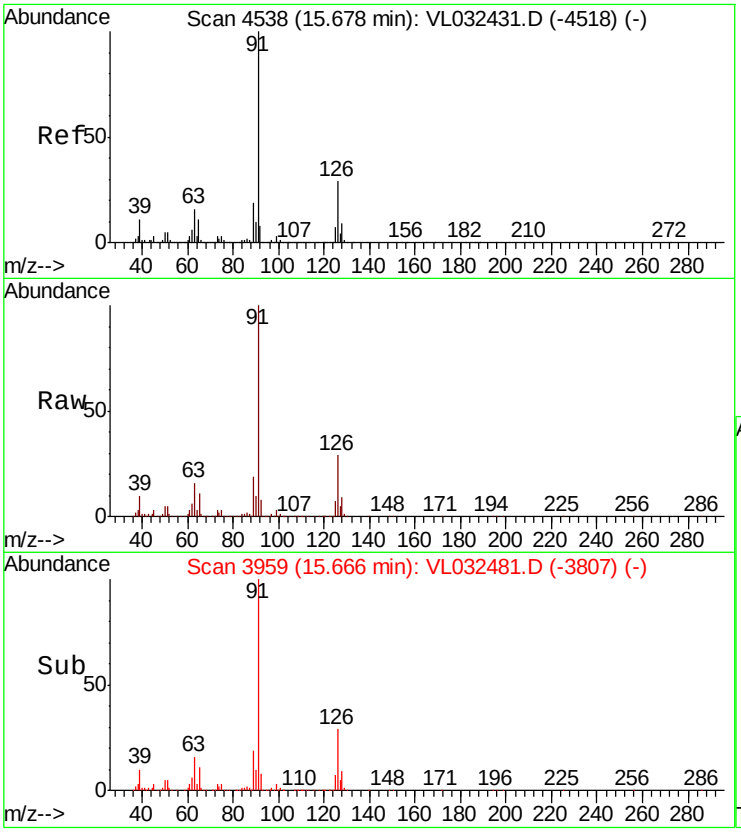


#70
n-Butylbenzene
Concen: 8.081 ppbv
RT: 18.76 min Scan# 4921
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 91 Resp: 6035402

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	21.1	17.4	26.0



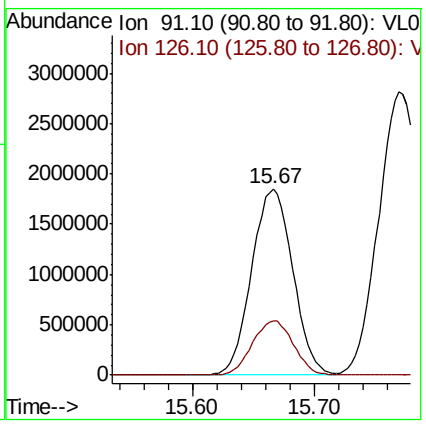


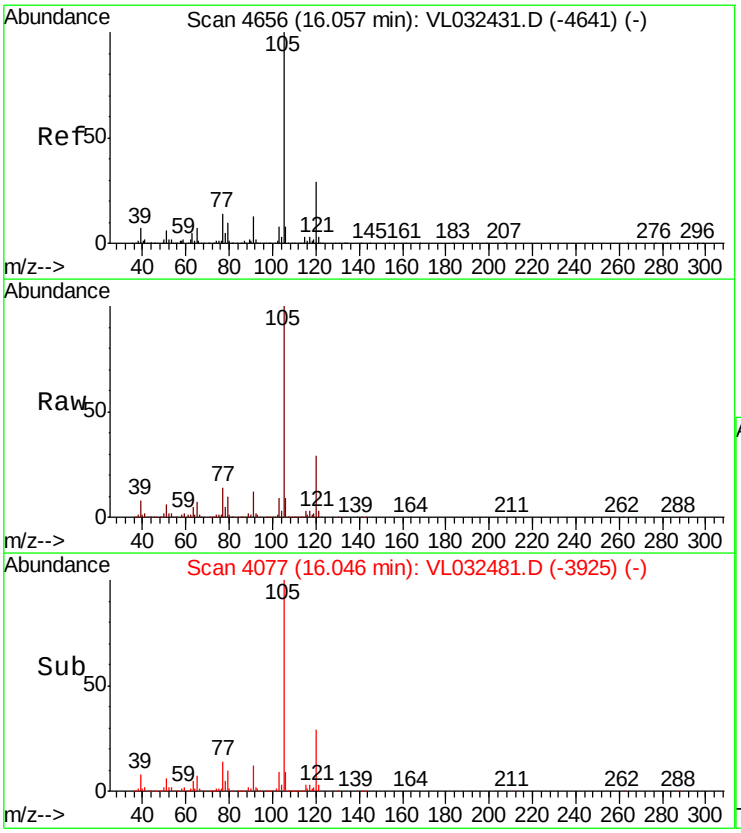
#71
2-Chlorotoluene
Concen: 8.640 ppbv
RT: 15.67 min Scan# 3959
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4330627

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.9	47.7

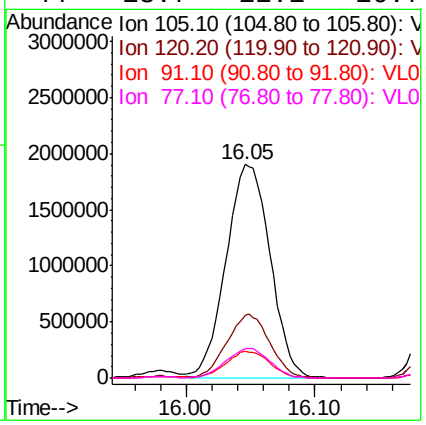


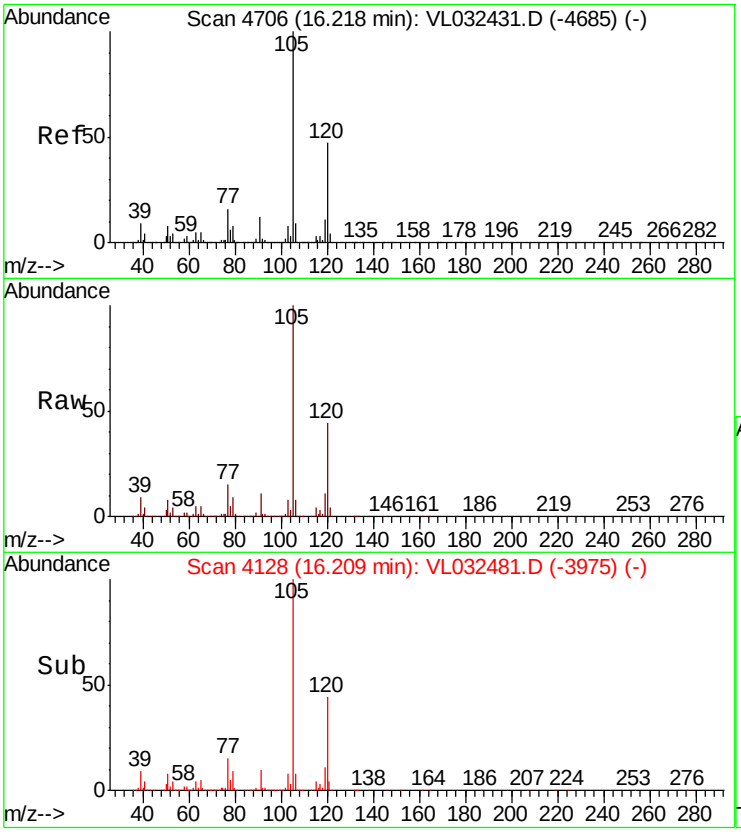


#72
4-Ethyltoluene
Concen: 8.871 ppbv
RT: 16.05 min Scan# 4077
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:105 Resp: 4520113

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.5	35.3
91	12.3	10.2	15.2
77	13.7	11.1	16.7



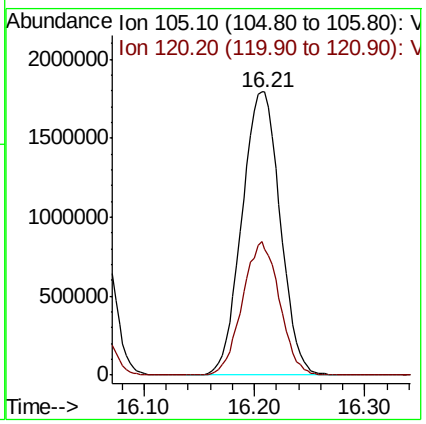


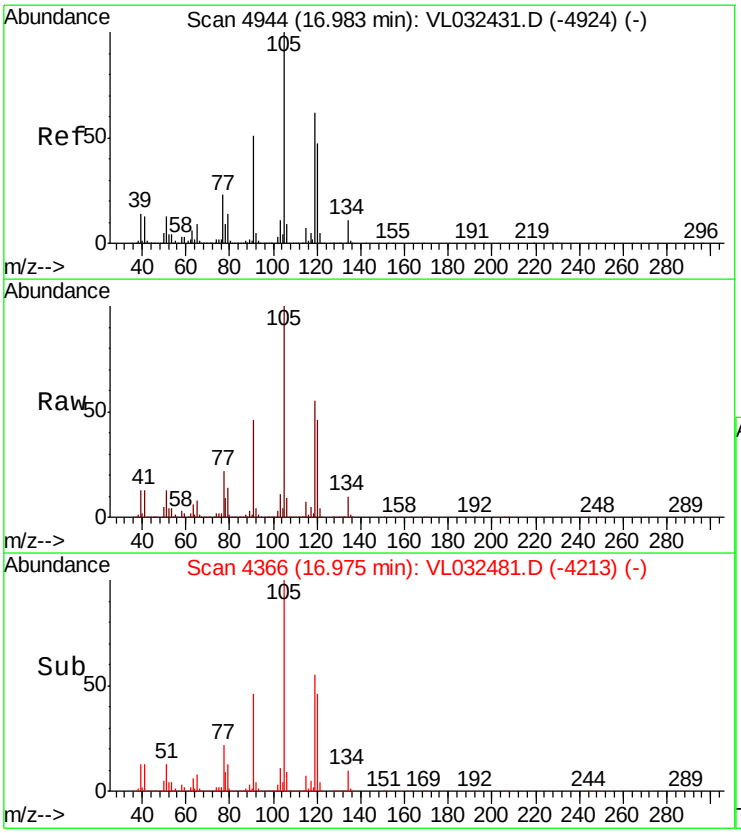
#73
1,3,5-Trimethylbenzene
Concen: 8.434 ppbv
RT: 16.21 min Scan# 4128
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4305523

Ion	Ratio	Lower	Upper
105	100		
120	44.3	37.9	56.9

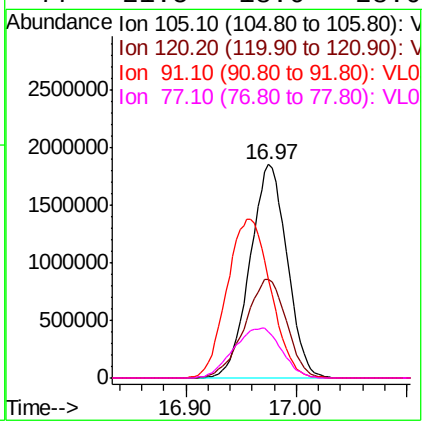


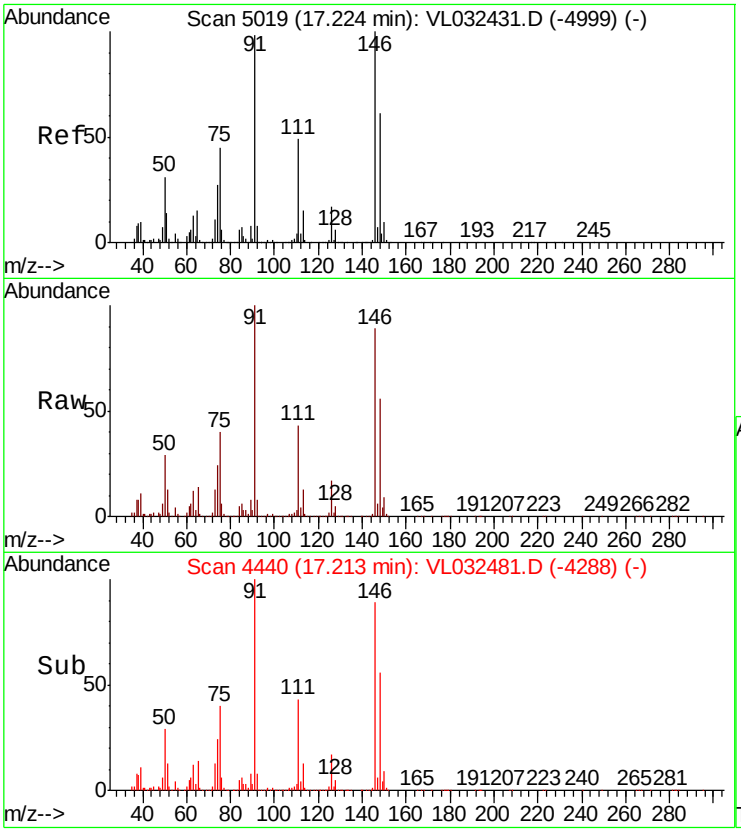


#74
1,2,4-Trimethylbenzene
Concen: 7.720 ppbv
RT: 16.97 min Scan# 4366
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:105 Resp: 4308243

Ion	Ratio	Lower	Upper
105	100		
120	46.3	37.8	56.8
91	46.3	41.4	62.0
77	21.5	18.6	28.0



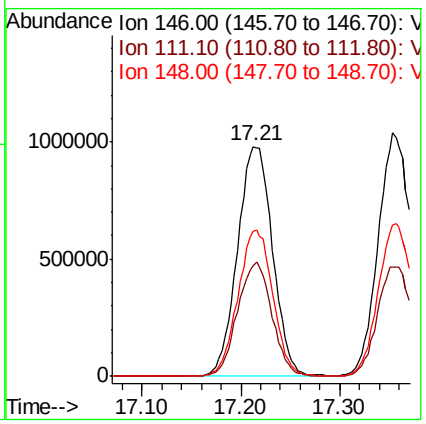


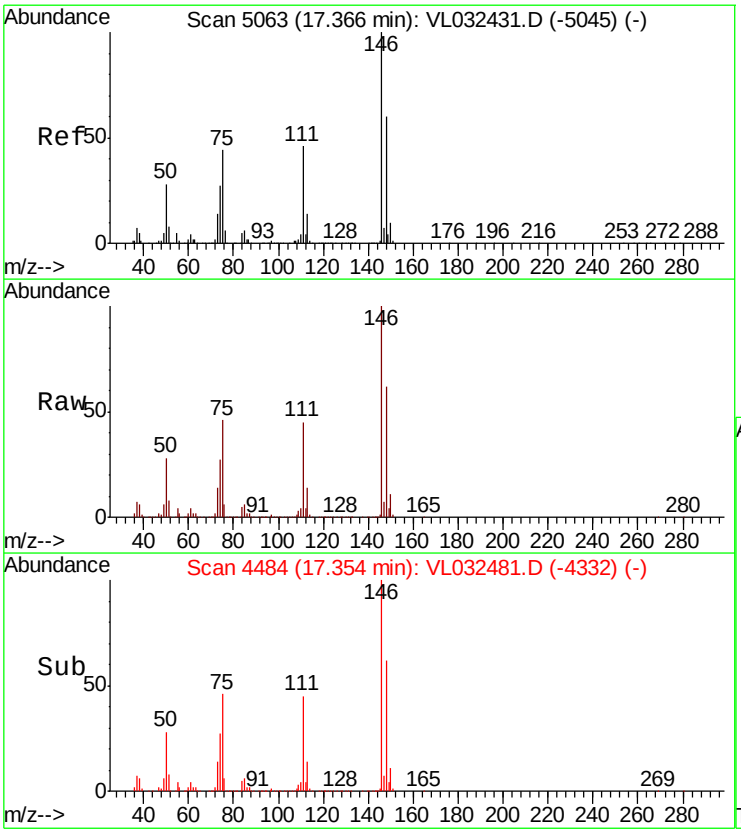
#75
1,3-Dichlorobenzene
Concen: 7.309 ppbv
RT: 17.21 min Scan# 4440
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2420251

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.5	73.5
148	63.1	32.0	96.2

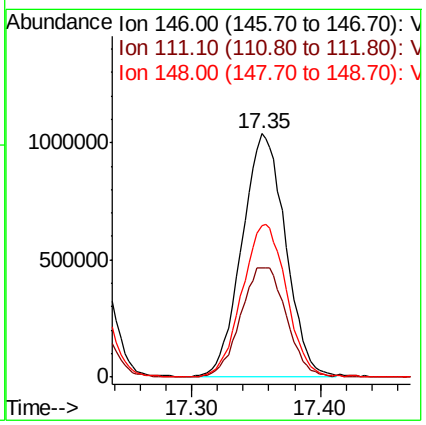


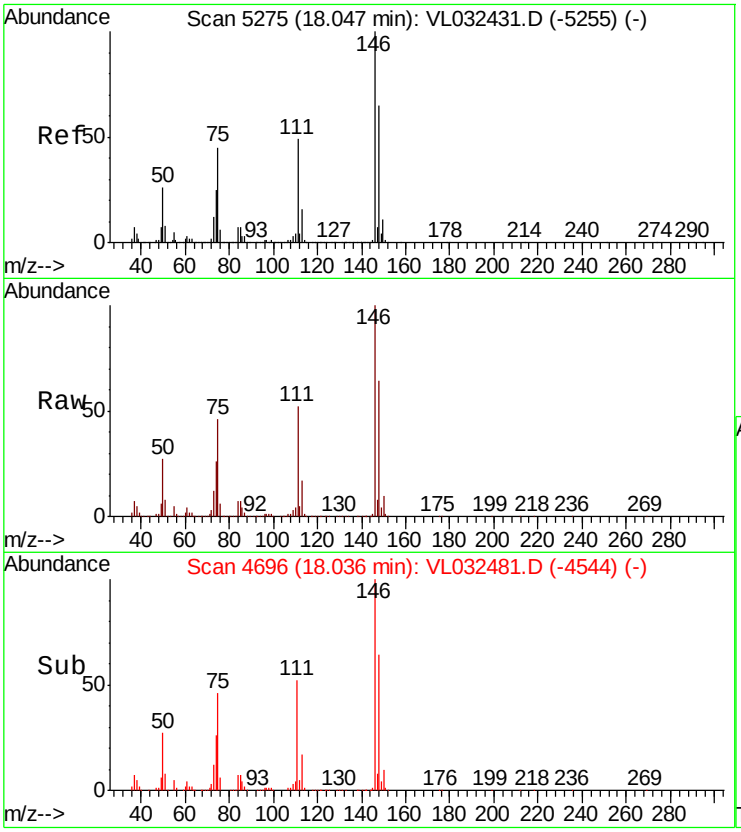


#76
1,4-Dichlorobenzene
Concen: 7.900 ppbv
RT: 17.35 min Scan# 4484
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:146 Resp: 2427167

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.2
148	64.3	32.0	96.2



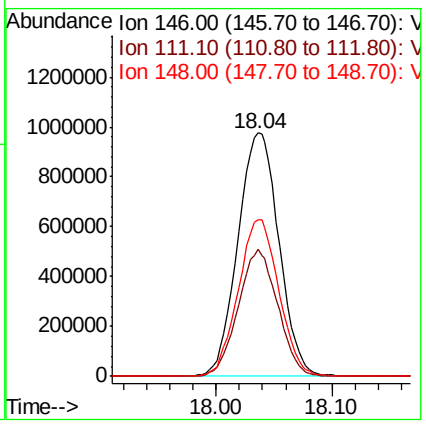


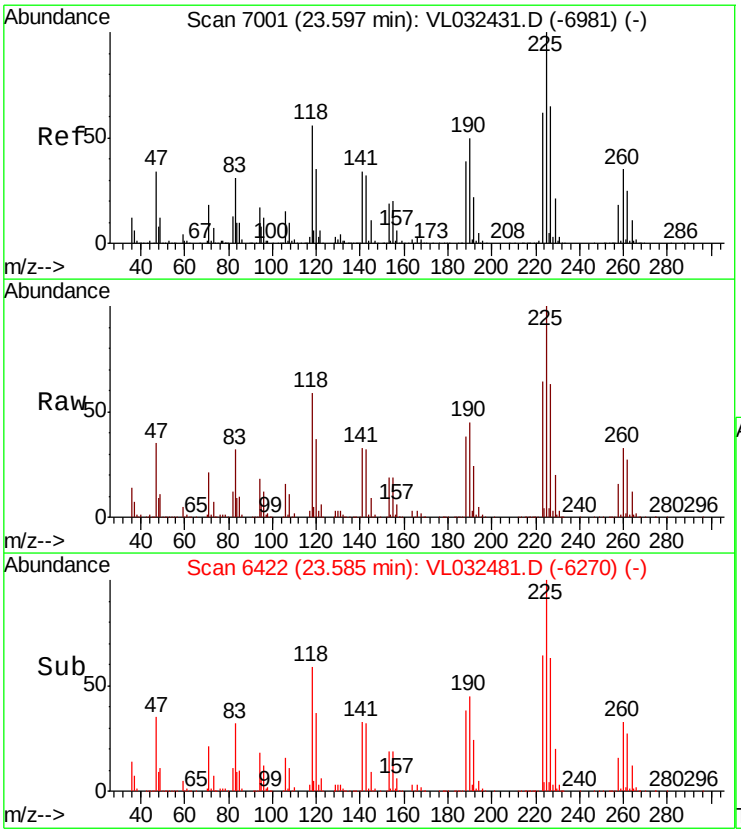
#77
1,2-Dichlorobenzene
Concen: 7.496 ppbv
RT: 18.04 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2394948

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.9	74.8
148	64.1	32.0	96.0

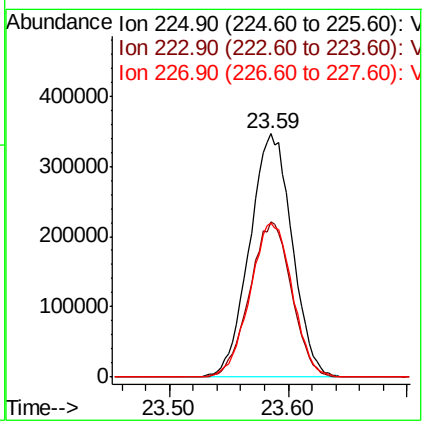


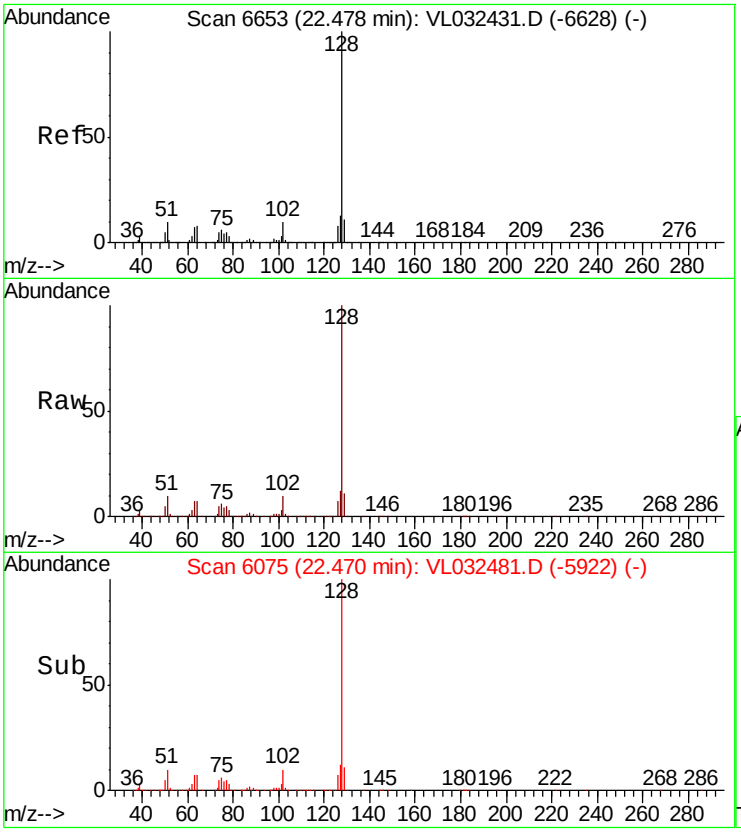


#78
Hexachloro-1,3-Butadiene
Concen: 7.162 ppbv
RT: 23.59 min Scan# 6422
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:225 Resp: 854987

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.1	51.2	76.8



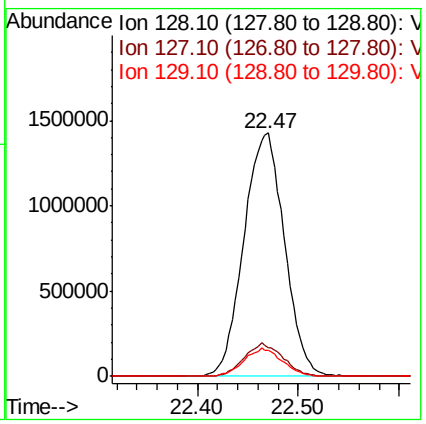


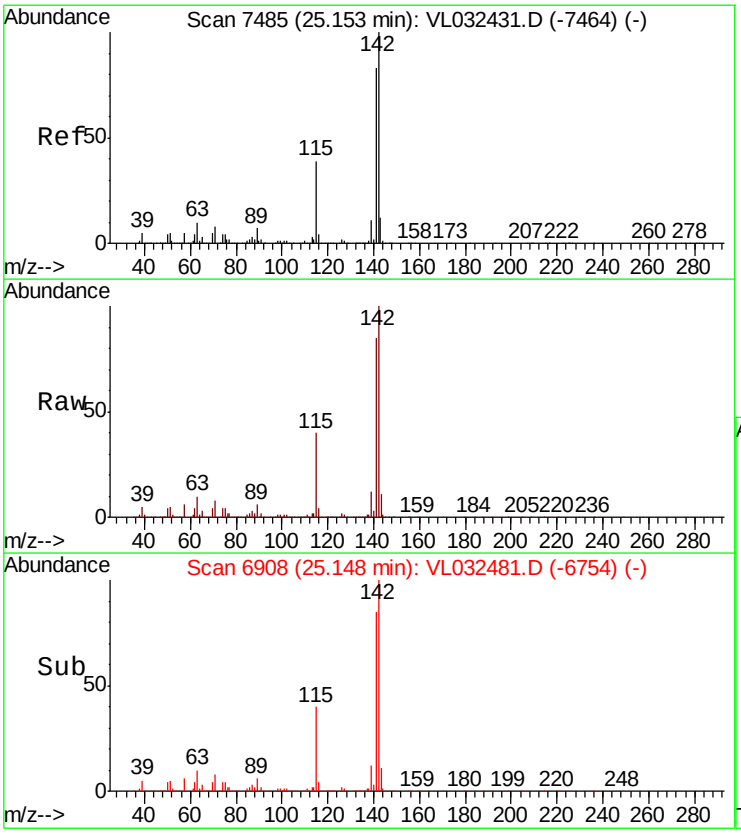
#79
Naphthalene
Concen: 8.777 ppbv
RT: 22.47 min Scan# 6075
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3982966

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.2
129	10.6	8.5	12.7

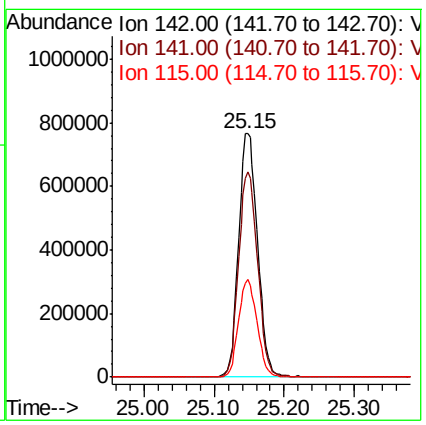


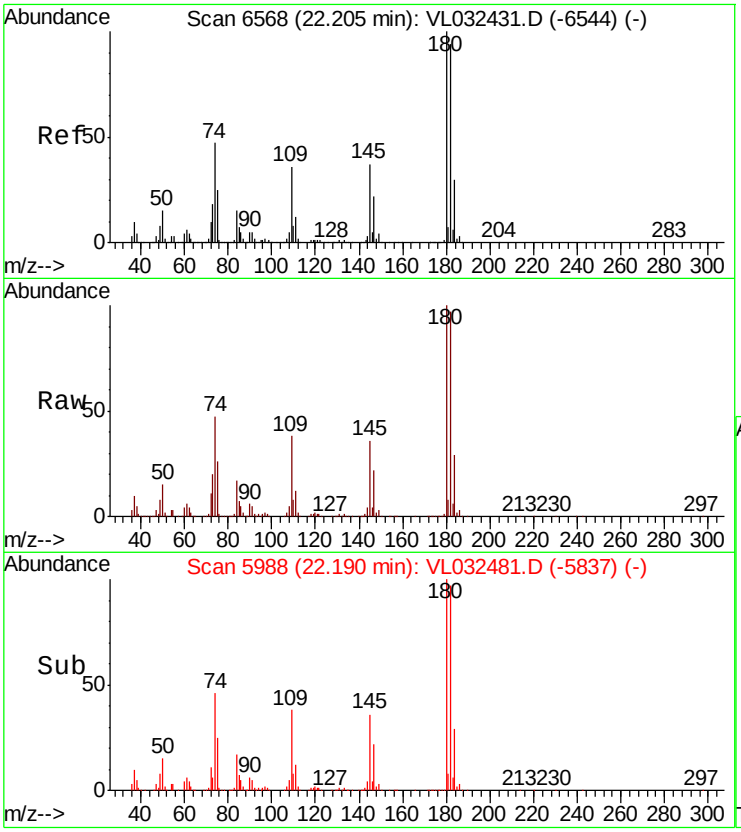


#80
Naphthalene,2-methyl-
Concen: 11.903 ppbv
RT: 25.15 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Tgt Ion:142 Resp: 1437268

Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.0	100.6
115	39.6	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 8.281 ppbv
RT: 22.19 min Scan# 5988
Delta R.T. -0.01 min
Lab File: VL032481.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1892772

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.2	23.8	35.8