Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033361.D
Acq On : 18 Mar 2019 16:49
Operator : SY/AP
Sample : VL0318ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Quant Time: Mar 19 06:52:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	775038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1710847	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2459236	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1500913	8.24	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1063782	7.805	ppbv	98
3) Chlorodifluoromethane	3.01	51	842308	9.469	ppbv	97
4) Chloromethane	3.17	50	454661	9.439	ppbv	98
5) Vinyl Chloride	3.29	62	443325	8.921	ppbv	100
6) Bromomethane	3.51	94	289536	9.802	ppbv	99
7) Chloroethane	3.60	64	169929	9.786	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1129905	9.738	ppbv	99
9) Propene	3.04	41	364934	9.190	ppbv	99
10) Heptane	8.25	43	977738	9.927	ppbv	100
11) Trichlorofluoromethane	4.00	101	1305062	9.616	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	878113	9.752	ppbv	100
13) Ethanol	3.65	45	76751	4.054	ppbv	99
14) Bromoethene	3.79	108	369598	9.847	ppbv	99
15) Acetone	3.90	43	829446	6.885	ppbv	100
16) 1,3-Butadiene	3.36	39	415992	10.631	ppbv	89
17) tert-Butyl alcohol	4.35	59	170617	10.063	ppbv	100
18) 1,1-Dichloroethene	4.35	96	386946	9.398	ppbv	96
19) Isopropyl Alcohol	4.02	45	561021	9.789	ppbv	99
20) Methylene Chloride	4.41	84	320976	8.169	ppbv	96
21) Allyl Chloride	4.48	41	588138	10.063	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	394633	9.890	ppbv	98
23) Vinyl Acetate	5.16	43	1357730	9.740	ppbv	99
24) 1,1-Dichloroethane	5.09	63	971080	9.645	ppbv	99
25) Ethyl Acetate	5.77	43	1683425	9.612	ppbv	100
26) Hexane	5.78	57	742279	9.481	ppbv	99
27) Carbon Disulfide	4.62	76	957344	10.621	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1116927	9.604	ppbv	100
29) Chloroform	5.85	83	1258270	9.815	ppbv	98
30) Cyclohexane	7.25	84	609698	9.713	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	781883	9.988	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1230311	9.774	ppbv	99
34) 2-Butanone	5.33	43	1099172	9.783	ppbv	97
35) Carbon Tetrachloride	7.13	117	1304648	10.817	ppbv	98
36) Benzene	7.00	78	1510012	9.862	ppbv	99
37) 1,2-Dichloroethane	6.41	62	973483	10.055	ppbv	99
38) Trichloroethene	7.96	130	579962	10.010	ppbv	97
39) 1,2-Dichloropropane	7.74	63	574521	10.020	ppbv	96
40) 1,4-Dioxane	7.95	88	193402	9.578	ppbv #	1
41) Tetrahydrofuran	6.15	42	605288	10.095	ppbv	99
42) Bromodichloromethane	7.92	83	1354684	10.437	ppbv	99
43) Methyl Methacrylate	8.14	69	618707	10.378	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033361.D
Acq On : 18 Mar 2019 16:49
Operator : SY/AP
Sample : VL0318ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Quant Time: Mar 19 06:52:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2571268	10.139	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	836418	11.364	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	943806	10.890	ppbv		99
47) 1,1,2-Trichloroethane	9.62	97	634141	10.010	ppbv		96
48) Dibromochloromethane	10.45	129	1166251	10.977	ppbv		99
49) Bromoform	13.20	173	1163859	11.548	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	1590576	10.022	ppbv		98
51) 2-Hexanone	10.27	43	1258152	10.275	ppbv	#	99
52) Tetrachloroethene	11.37	164	575955	9.029	ppbv		98
53) Toluene	9.95	91	1805763	10.379	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1027062	9.590	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.28	131	920135	8.364	ppbv		97
57) Chlorobenzene	12.30	112	1540426	7.909	ppbv		100
58) Ethyl Benzene	12.87	91	2888219	8.302	ppbv		99
59) m/p-Xylene	13.13	91	2501368	8.366	ppbv	#	100
60) o-Xylene	13.85	91	2413003	8.273	ppbv		100
61) Styrene	13.69	104	1754056	8.589	ppbv		99
62) Isopropylbenzene	14.83	105	3359173	8.284	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1669846	7.920	ppbv		100
64) n-propylbenzene	15.72	120	858197	8.364	ppbv		99
65) tert-Butylbenzene	16.91	119	3010310	8.246	ppbv		100
66) Benzyl Chloride	17.16	91	1530405	10.144	ppbv		99
67) sec-Butylbenzene	17.46	105	4318445	8.348	ppbv		100
69) p-Isopropyltoluene	17.82	119	3576944	8.463	ppbv		100
70) n-Butylbenzene	18.72	91	3774807	8.376	ppbv		99
71) 2-Chlorotoluene	15.62	91	2597023	8.228	ppbv		100
72) 4-Ethyltoluene	16.00	105	2750625	8.304	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2681979	8.312	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	2758022	8.070	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	1595036	7.919	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1599853	8.204	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1562993	8.193	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	807136	7.057	ppbv		99
79) Naphthalene	22.41	128	2559094	7.771	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	1021677	6.543	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1312098	7.813	ppbv		99

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

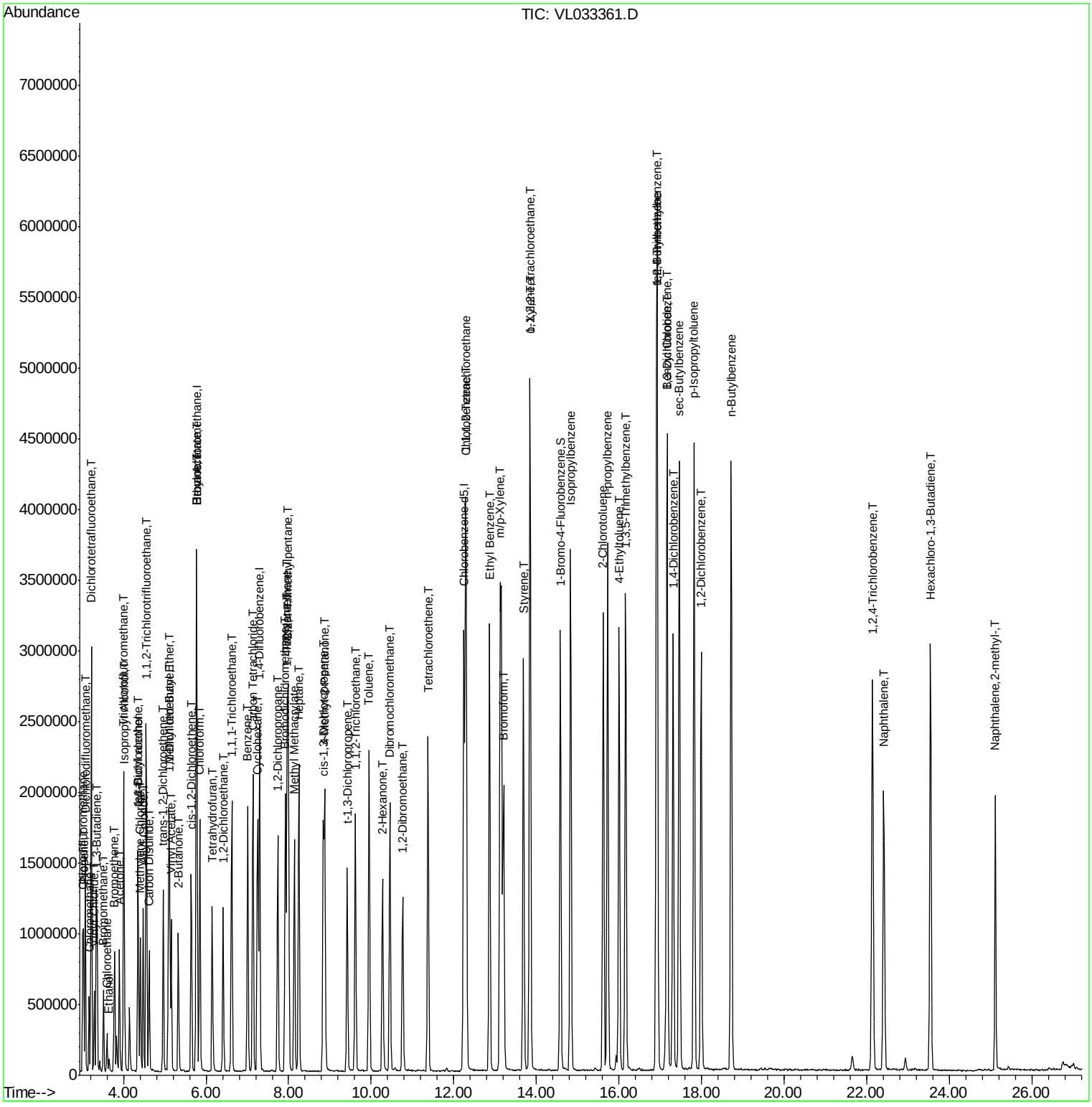
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

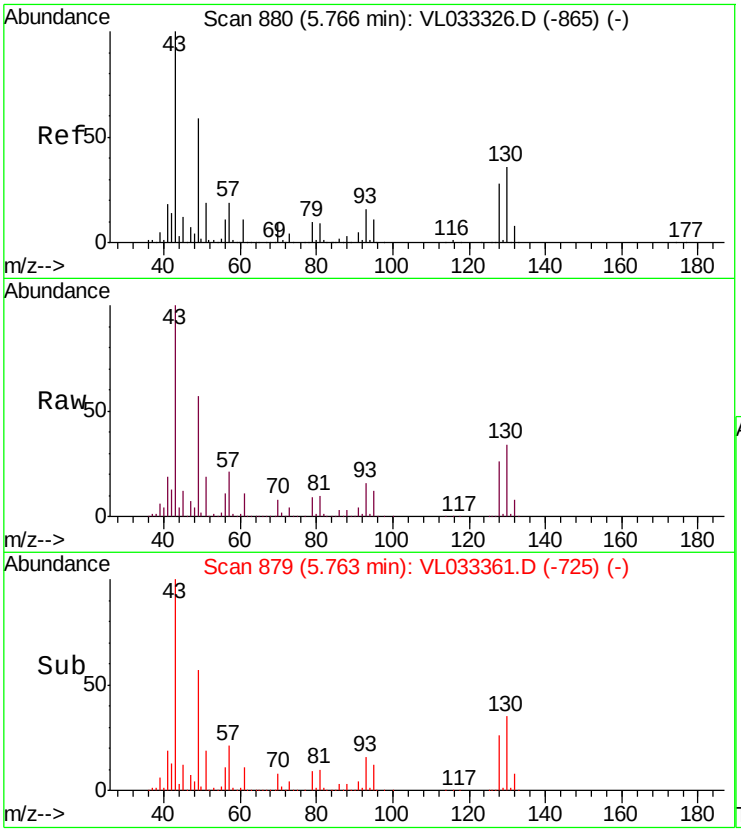
Quantitation Report (Not Reviewed)

Data File : VL033361.D
Acq On : 18 Mar 2019 16:49
Operator : SY/AP
Sample : VL0318ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Quant Time: Mar 19 06:52:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



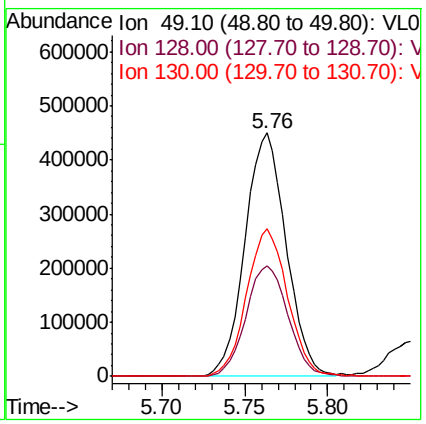


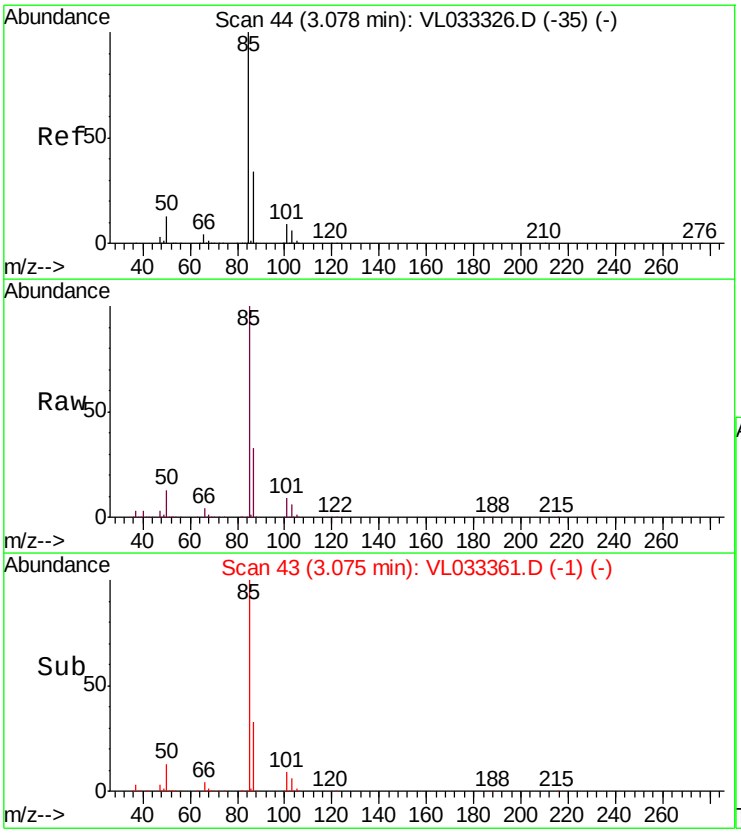
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 49 Resp: 775038

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.5	70.6
130	60.6	30.1	90.3

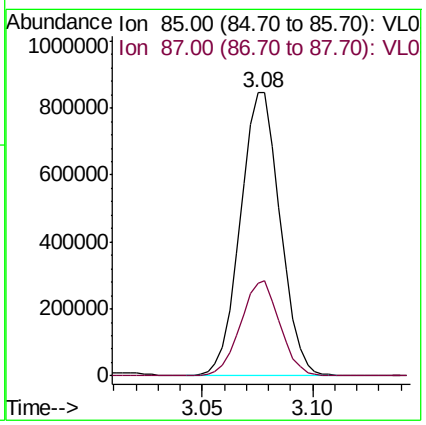


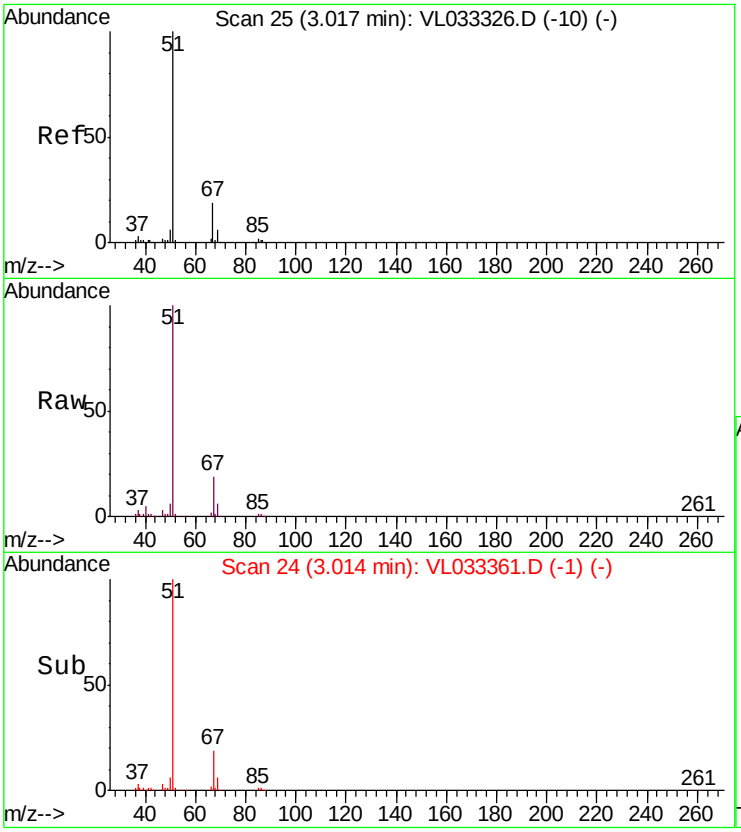


#2
Dichlorodifluoromethane
Concen: 7.805 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 85 Resp: 1063782

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.9	40.3



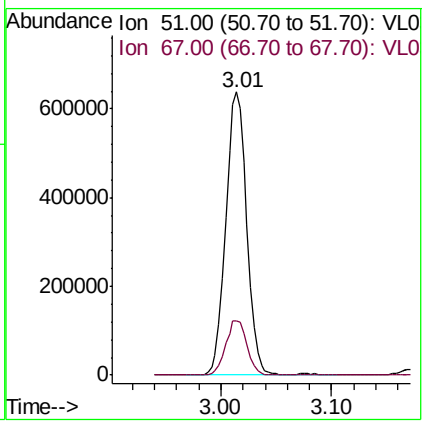


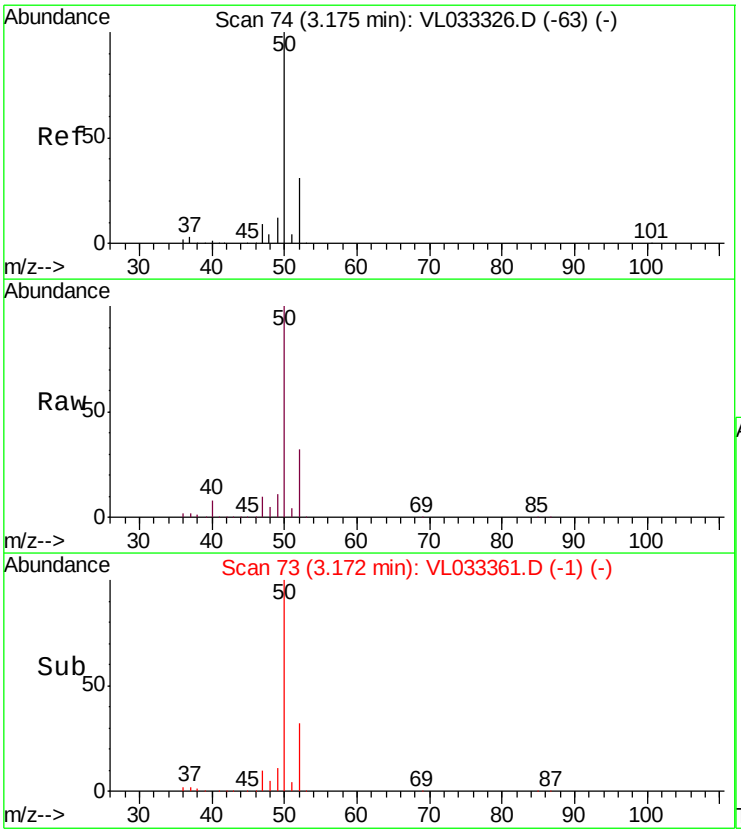
#3
Chlorodifluoromethane
Concen: 9.469 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 51 Resp: 842308

Ion	Ratio	Lower	Upper
51	100		
67	19.8	14.9	22.3

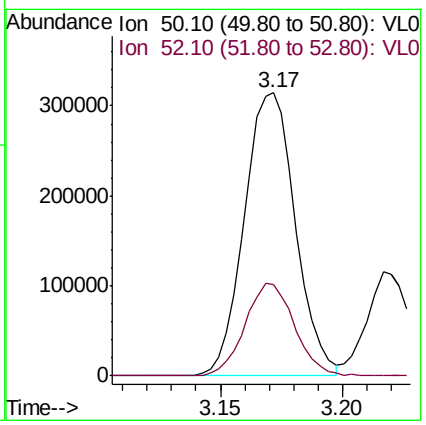


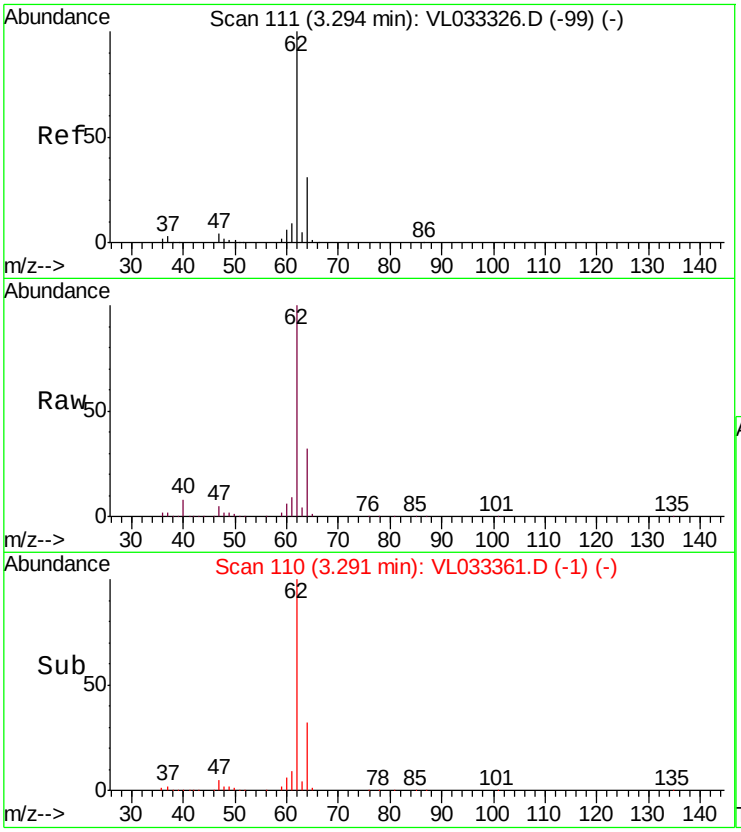


#4
Chloromethane
Concen: 9.439 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 50 Resp: 454661

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.6



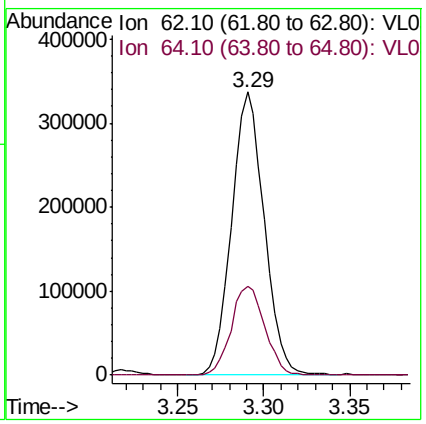


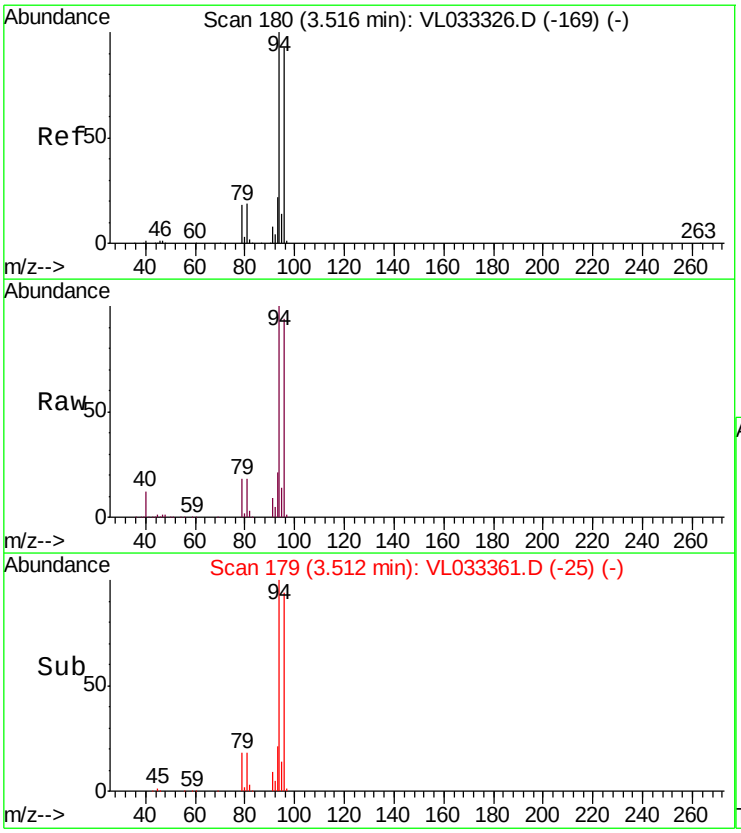
#5
Vinyl Chloride
Concen: 8.921 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 62 Resp: 443325

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.0	37.6

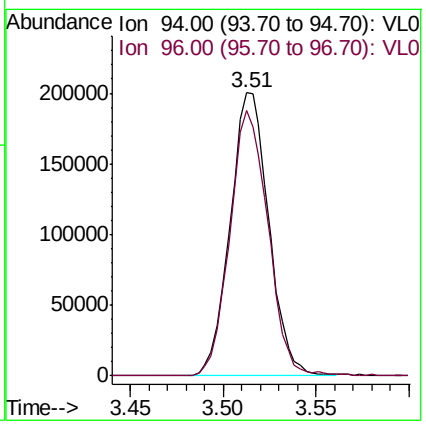


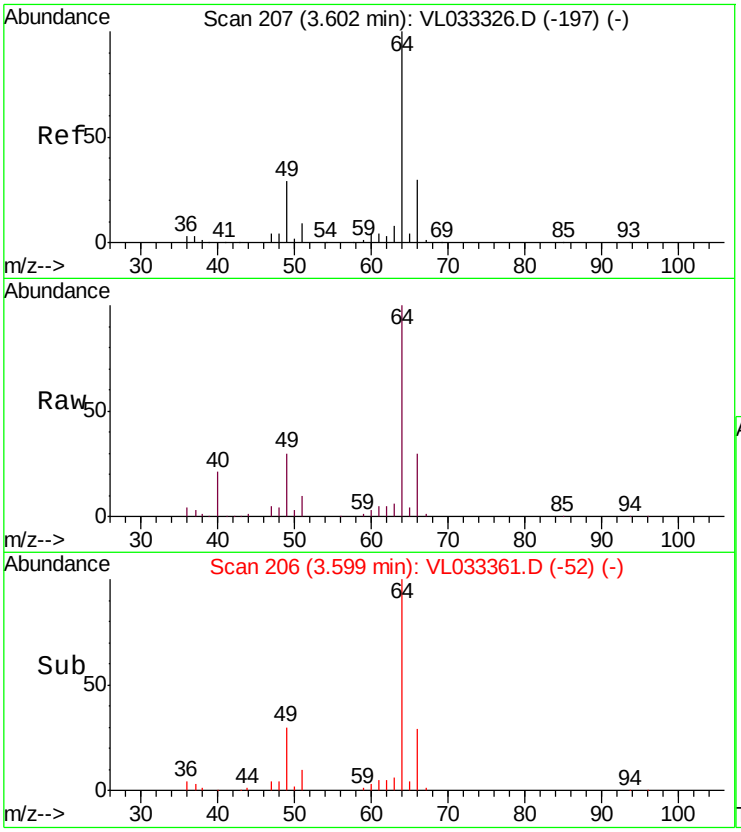


#6
Bromomethane
Concen: 9.802 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 94 Resp: 289536

Ion	Ratio	Lower	Upper
94	100		
96	93.8	74.6	111.8



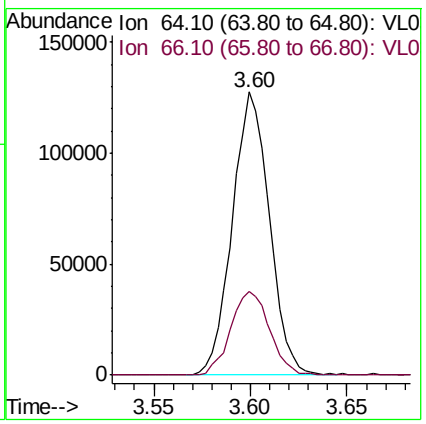


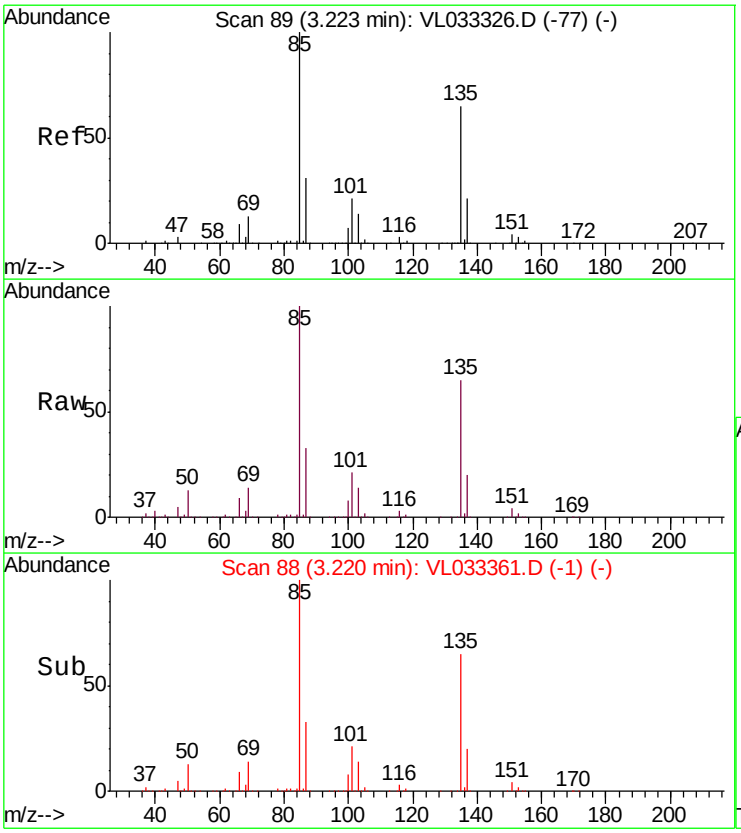
#7
Chloroethane
Concen: 9.786 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 64 Resp: 169929

Ion	Ratio	Lower	Upper
64	100		
66	29.6	24.0	36.0

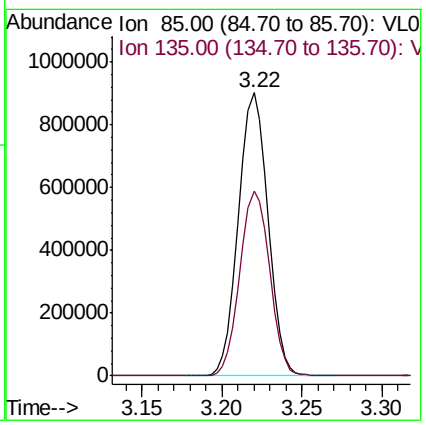


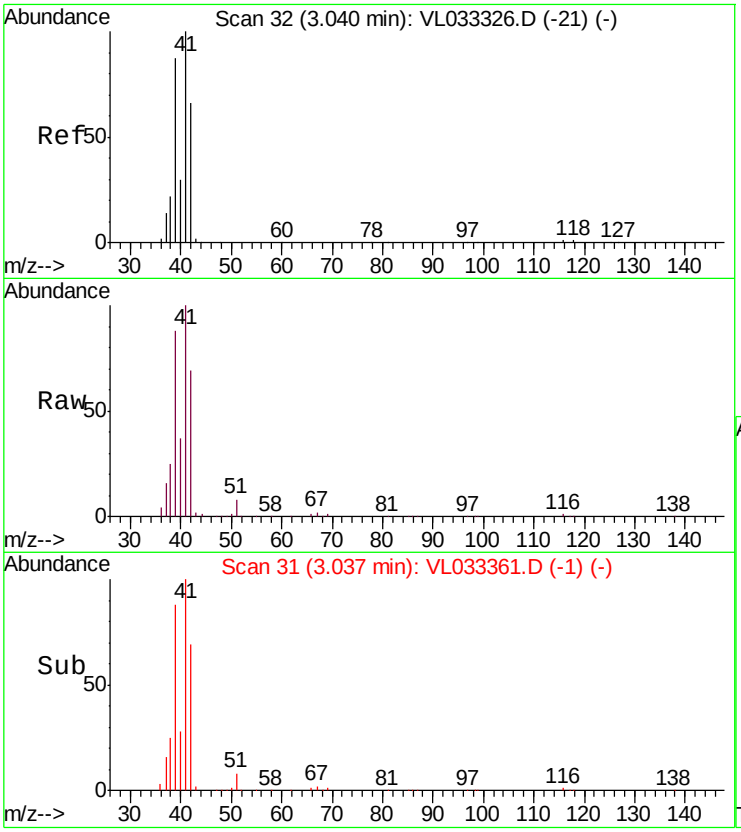


#8
Dichlorotetrafluoroethane
Concen: 9.738 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 85 Resp: 1129905

Ion	Ratio	Lower	Upper
85	100		
135	66.1	53.4	80.2



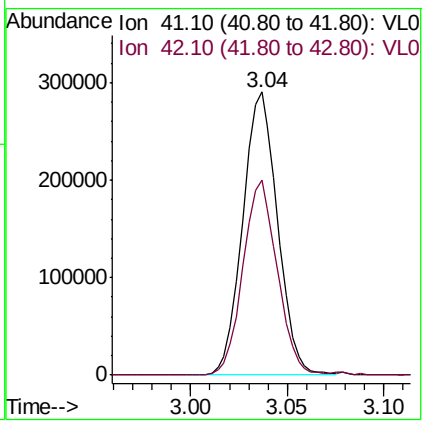


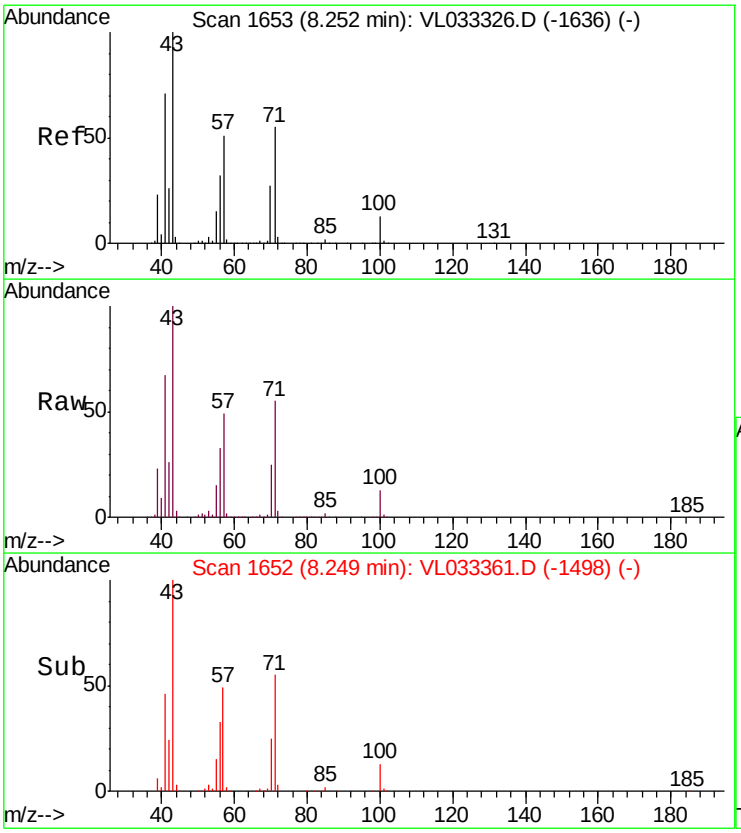
#9
Propene
Concen: 9.190 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 41 Resp: 364934

Ion	Ratio	Lower	Upper
41	100		
42	68.5	55.2	82.8

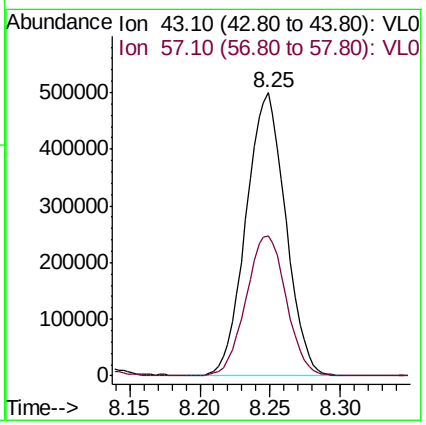


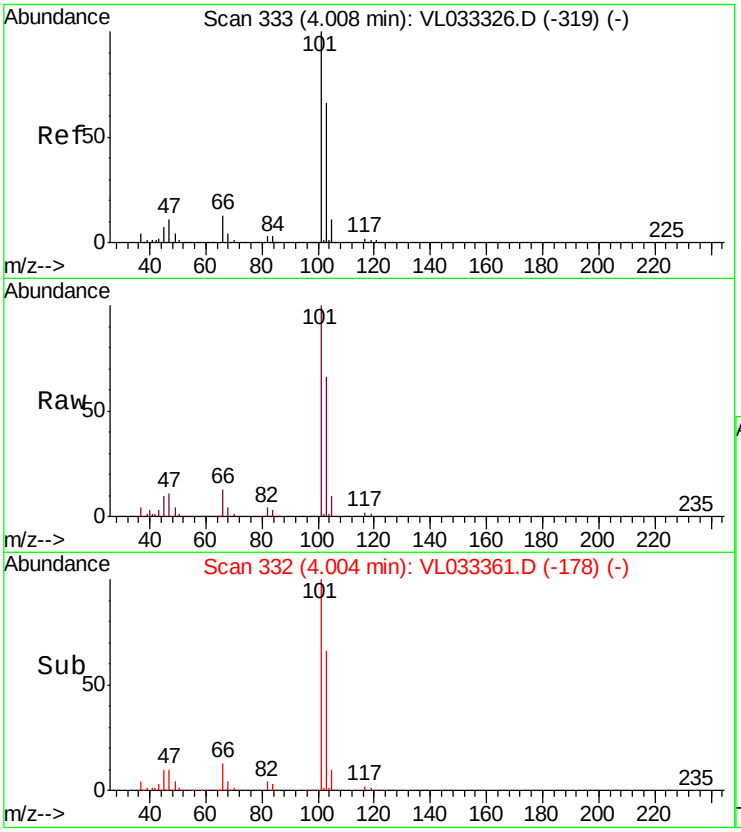


#10
Heptane
Concen: 9.927 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 43 Resp: 977738

Ion	Ratio	Lower	Upper
43	100		
57	50.3	40.4	60.6



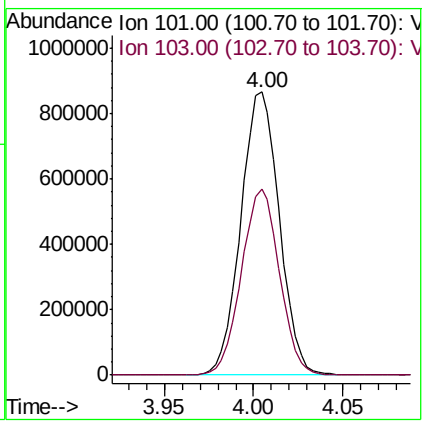


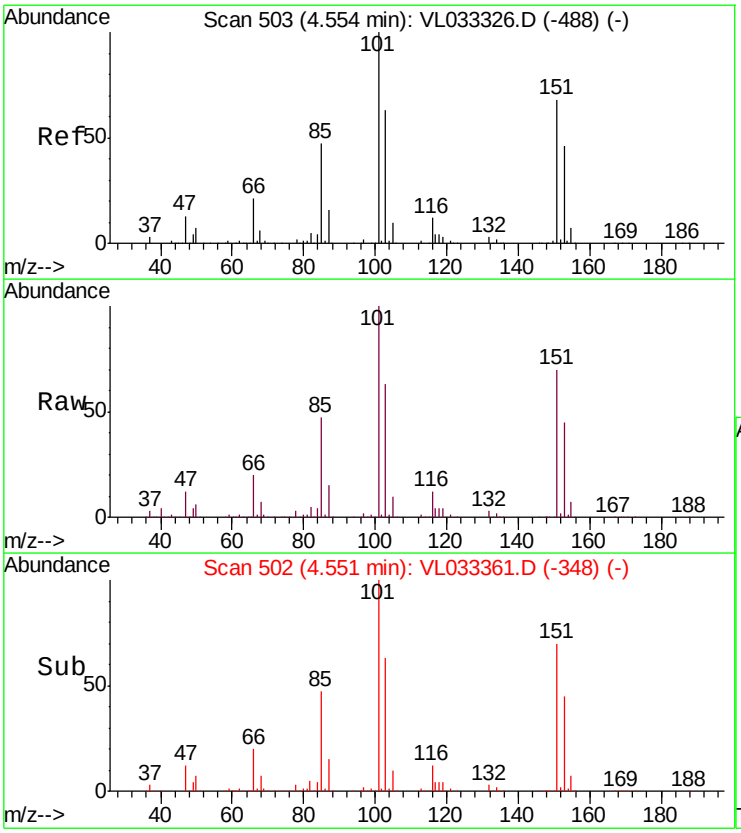
#11
Trichlorofluoromethane
Concen: 9.616 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:101 Resp: 1305062

Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.9	79.3

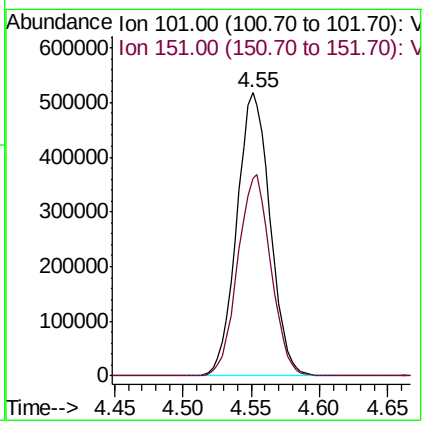


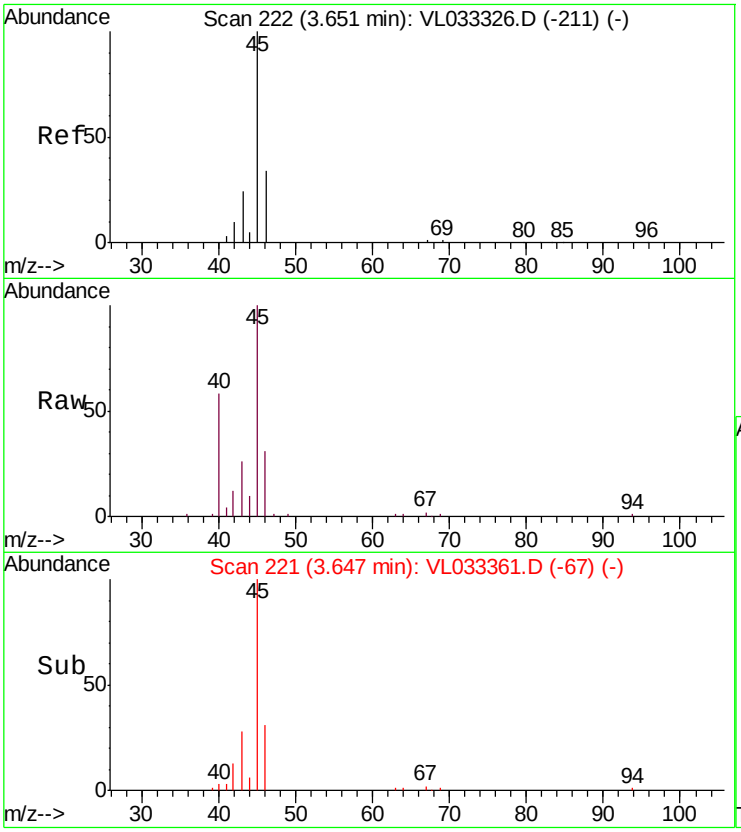


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.752 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:101 Resp: 878113

Ion	Ratio	Lower	Upper
101	100		
151	70.8	56.3	84.5



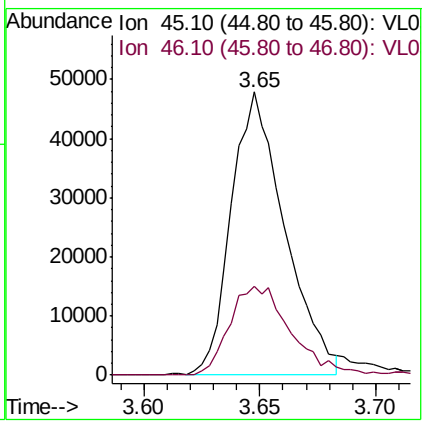


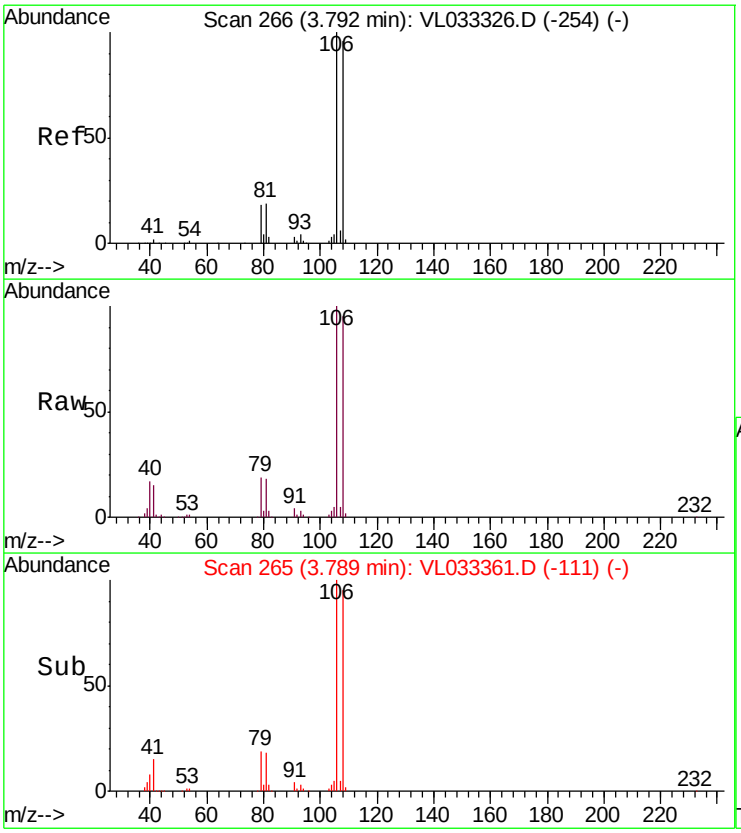
#13
Ethanol
Concen: 4.054 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 45 Resp: 76751

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.9	59.7

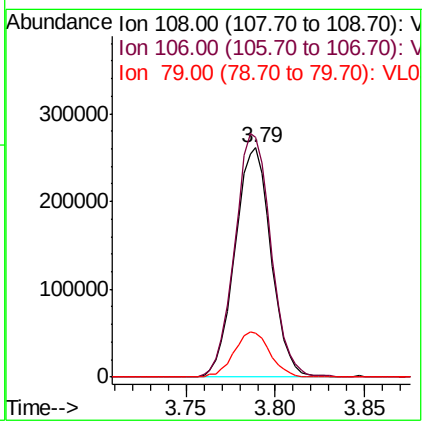


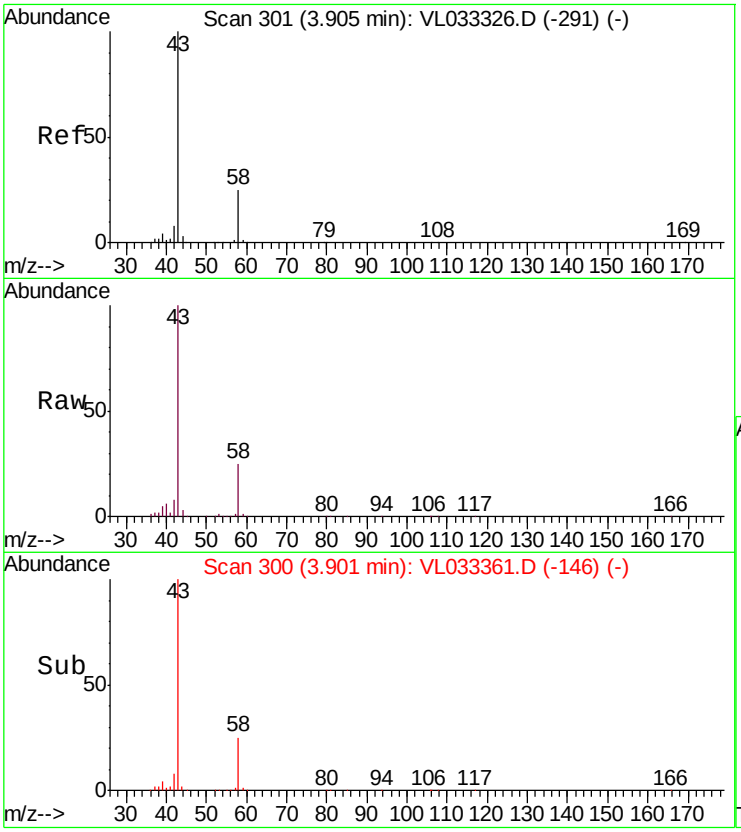


#14
Bromoethene
Concen: 9.847 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:108 Resp: 369598

Ion	Ratio	Lower	Upper
108	100		
106	107.0	86.2	129.2
79	20.0	15.4	23.2



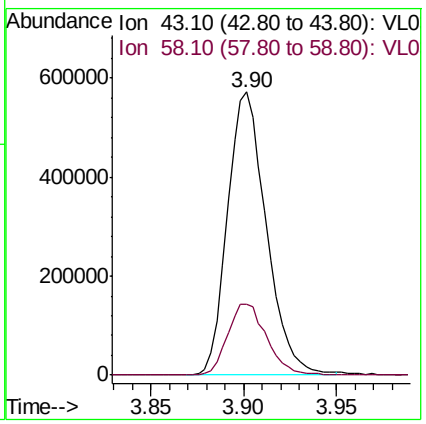


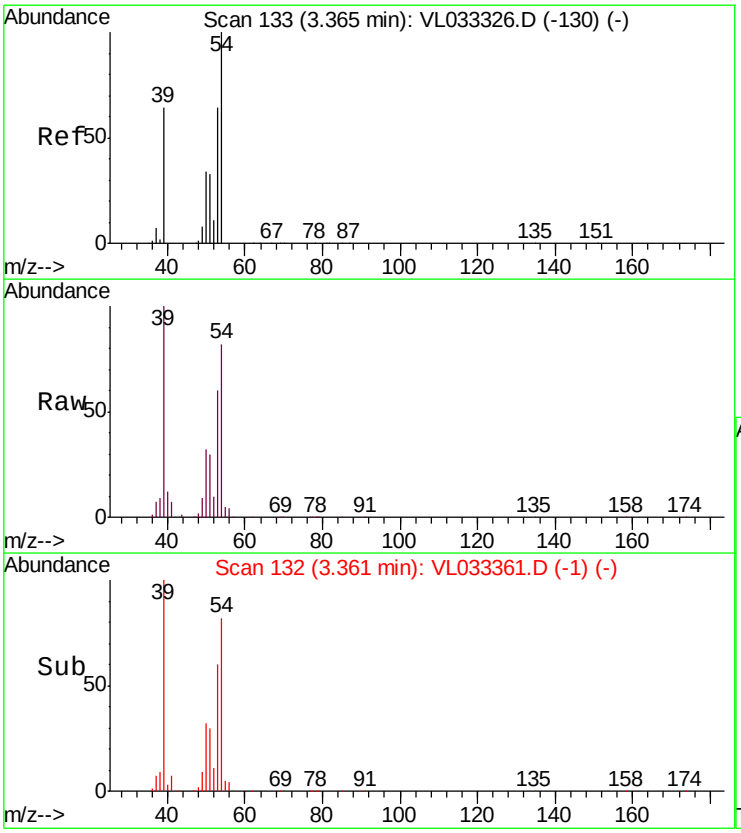
#15
Acetone
Concen: 6.885 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 43 Resp: 829446

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.4	30.6

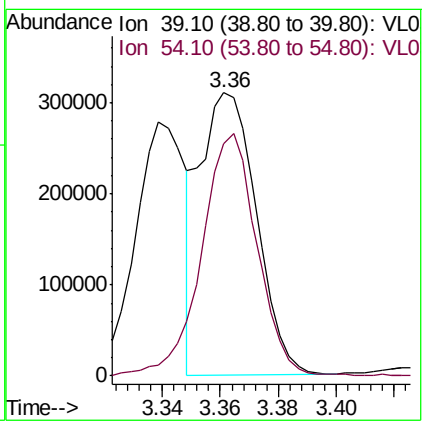


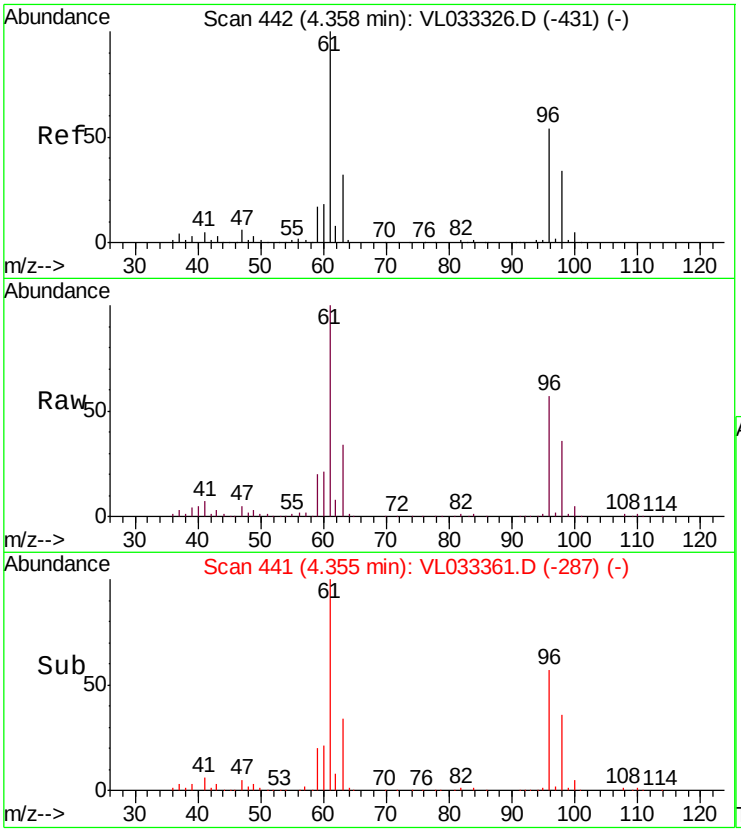


#16
1,3-Butadiene
Concen: 10.631 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 39 Resp: 415992

Ion	Ratio	Lower	Upper
39	100		
54	85.7	76.8	115.2



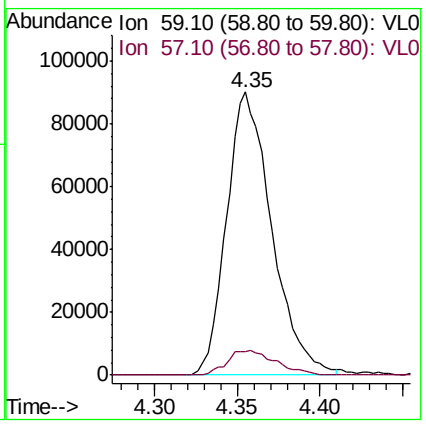


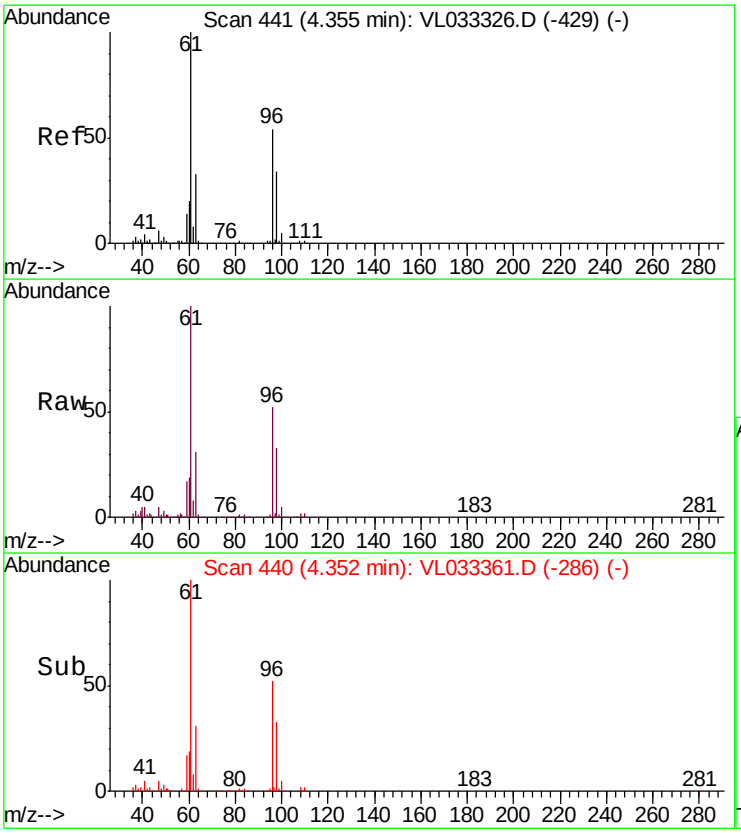
#17
tert-Butyl alcohol
Concen: 10.063 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 59 Resp: 170617

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

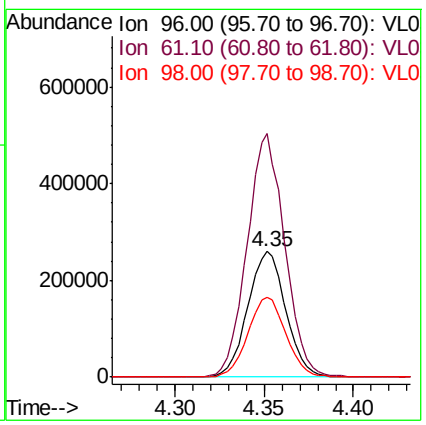


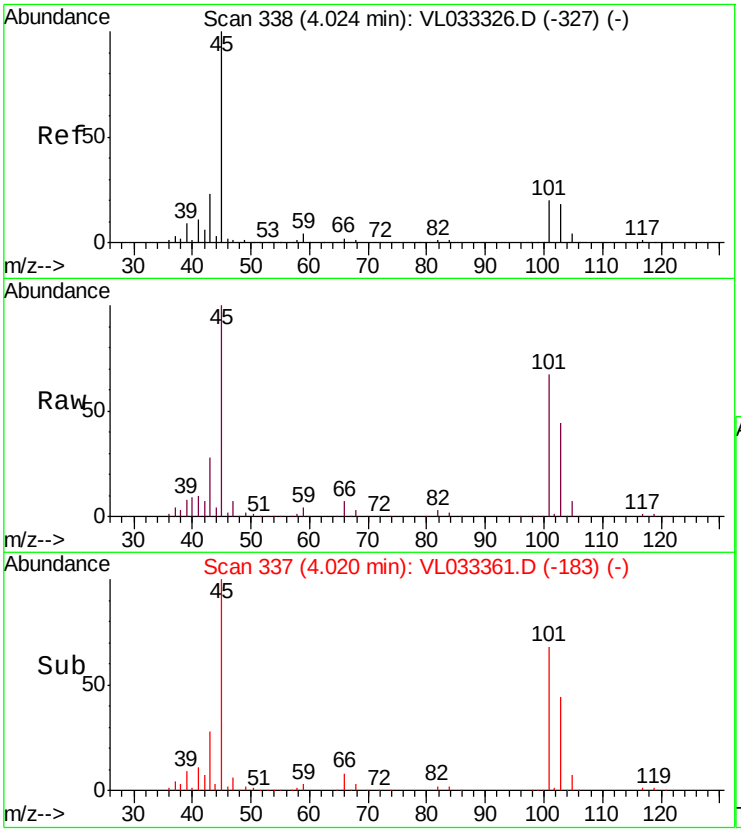


#18
1,1-Dichloroethene
Concen: 9.398 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 96 Resp: 386946

Ion	Ratio	Lower	Upper
96	100		
61	193.9	148.6	222.8
98	63.2	50.3	75.5



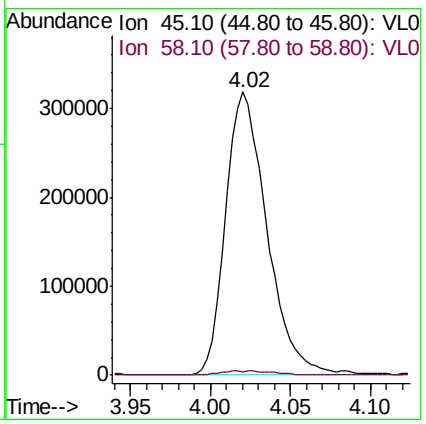


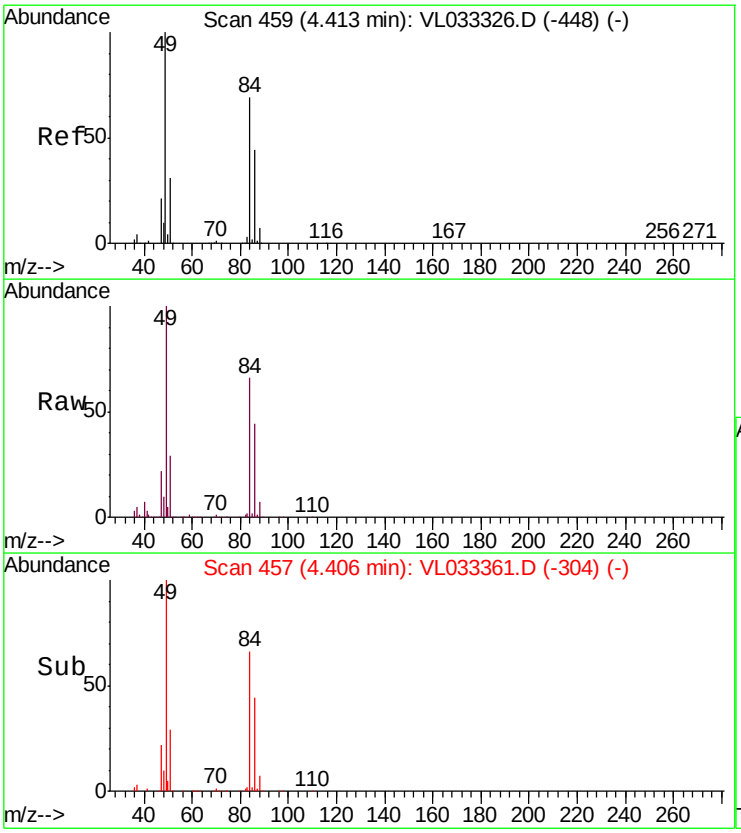
#19
Isopropyl Alcohol
Concen: 9.789 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 45 Resp: 561021

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.5	2.3

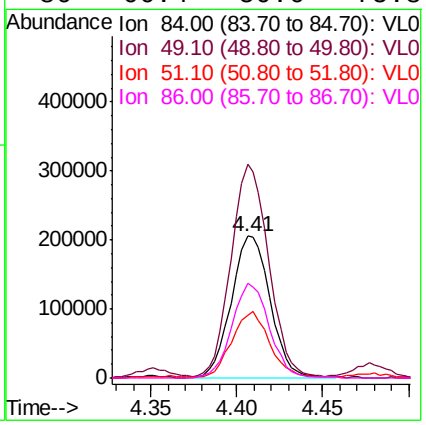


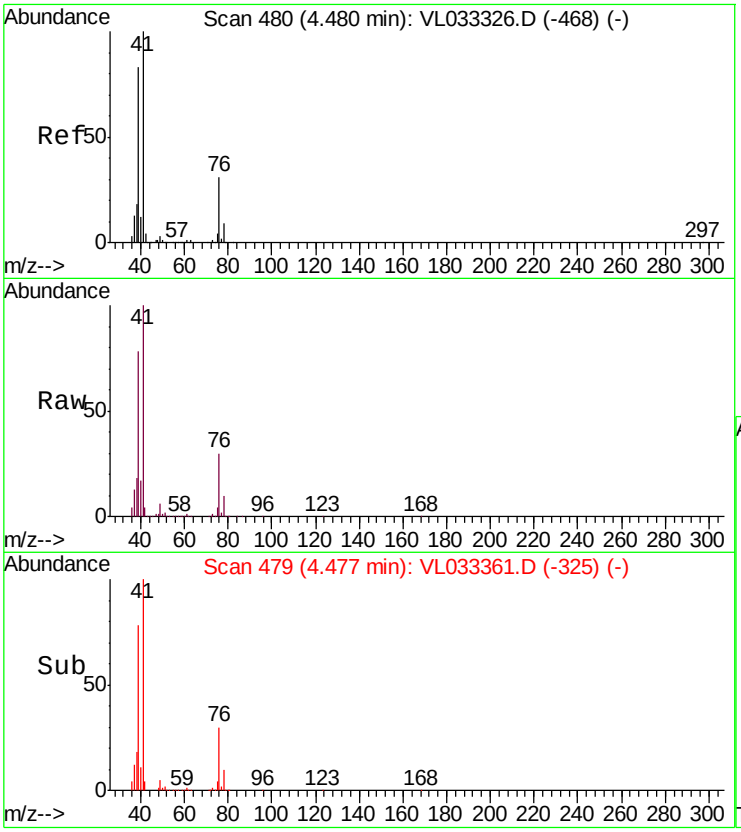


#20
Methylene Chloride
Concen: 8.169 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 84 Resp: 320976

Ion	Ratio	Lower	Upper
84	100		
49	149.4	115.4	173.0
51	43.8	35.8	53.6
86	66.4	50.6	75.8



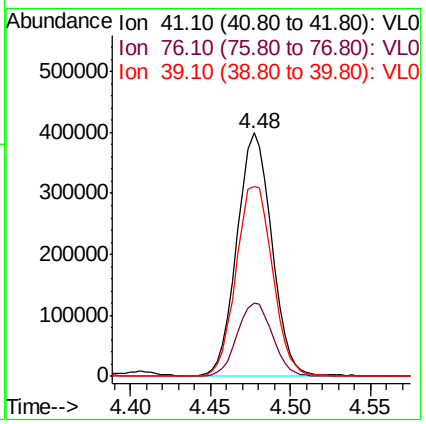


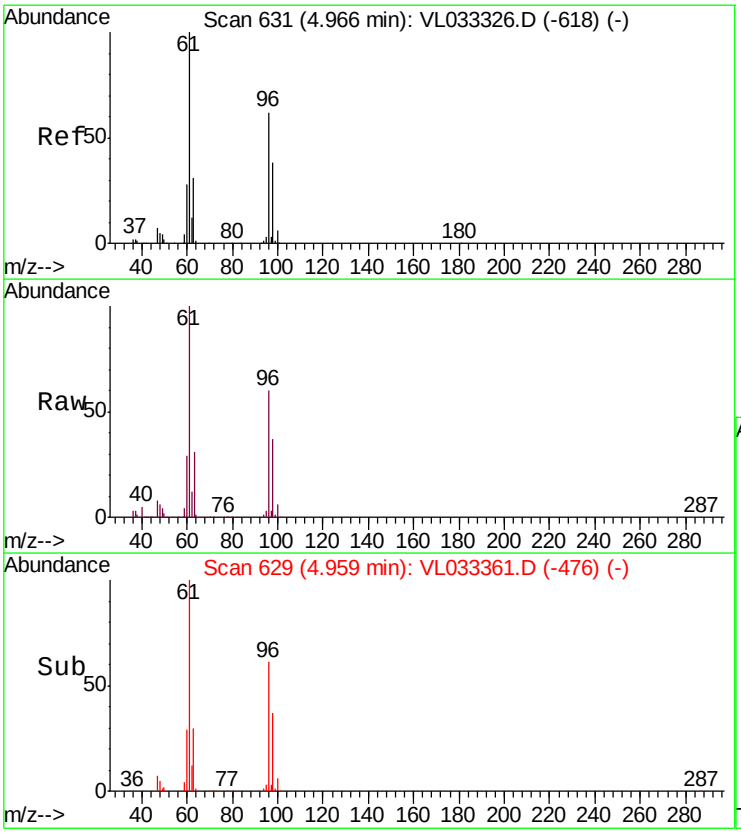
#21
Allyl Chloride
Concen: 10.063 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 41 Resp: 588138

Ion	Ratio	Lower	Upper
41	100		
76	30.8	25.0	37.4
39	83.0	65.9	98.9

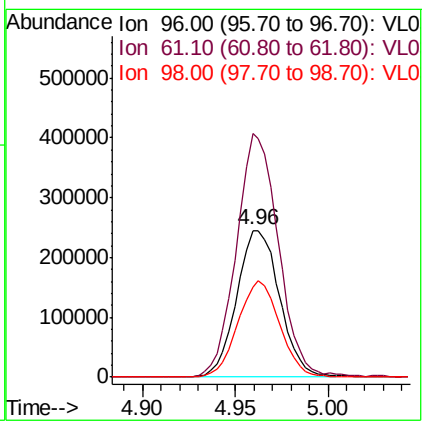


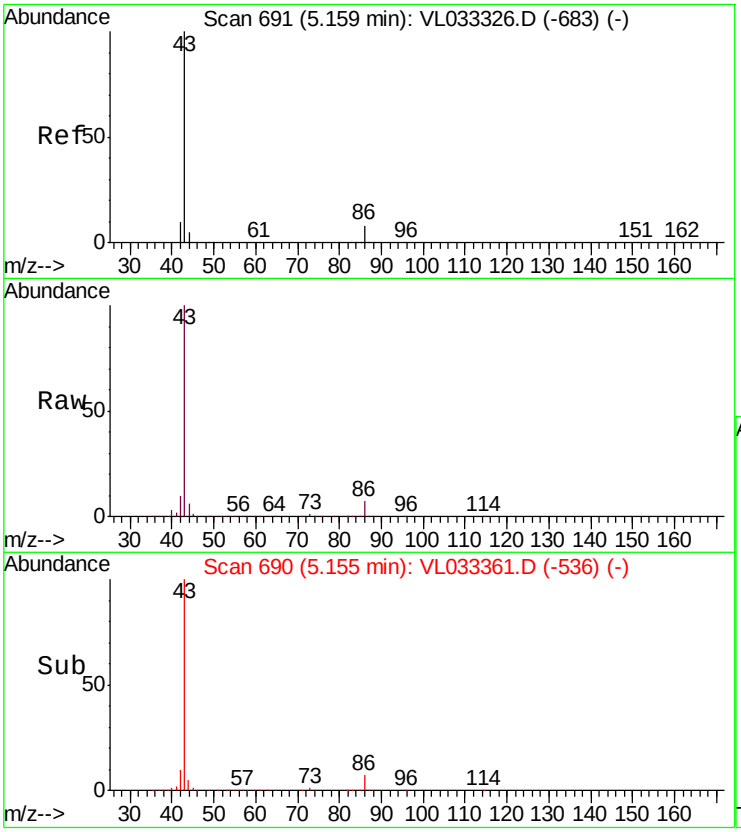


#22
trans-1,2-Dichloroethene
Concen: 9.890 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 96 Resp: 394633

Ion	Ratio	Lower	Upper
96	100		
61	165.8	130.0	195.0
98	61.5	50.0	75.0



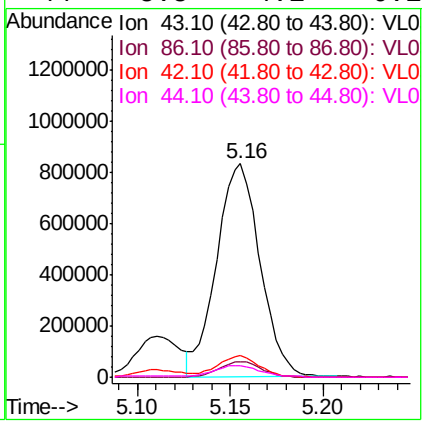


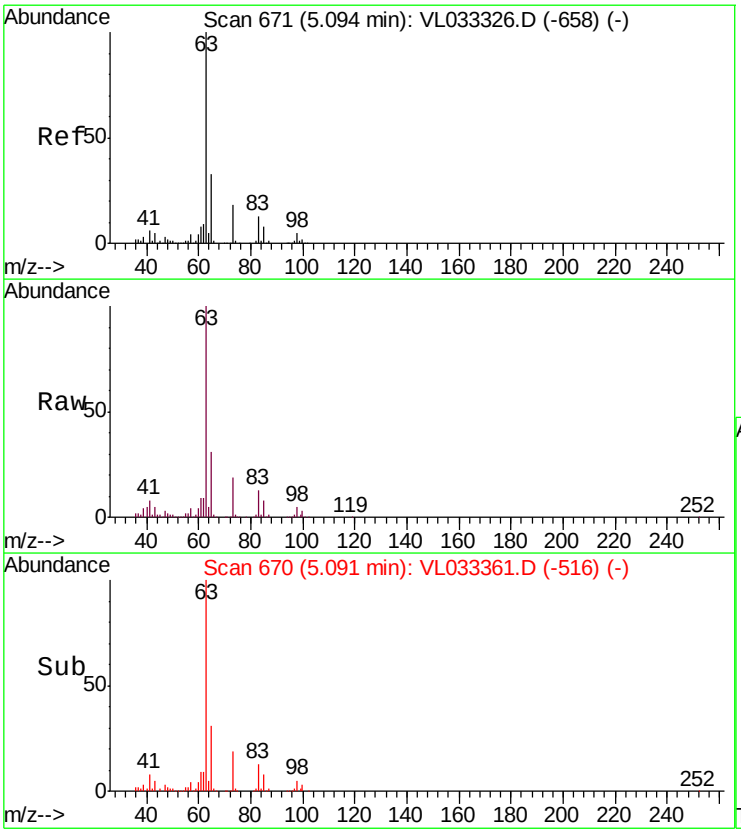
#23
Vinyl Acetate
Concen: 9.740 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 43 Resp: 1357730

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.2	9.2
42	10.2	8.1	12.1
44	5.5	4.1	6.1

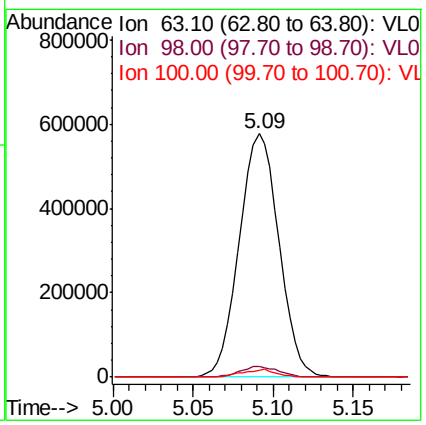


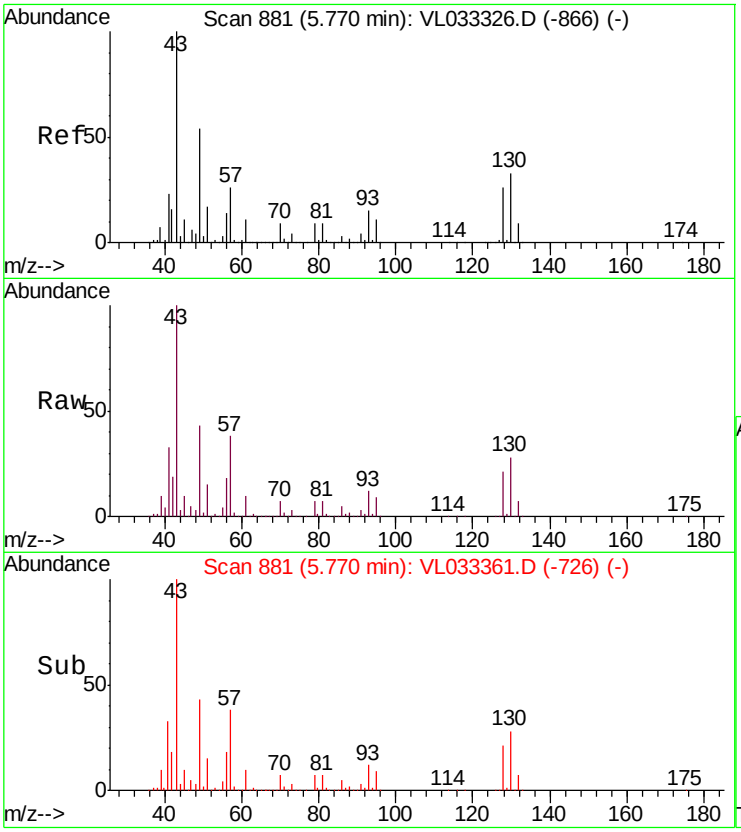


#24
1,1-Dichloroethane
Concen: 9.645 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 63 Resp: 971080

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.7	1.3	3.8



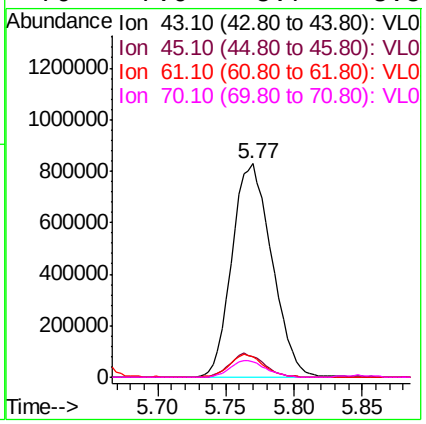


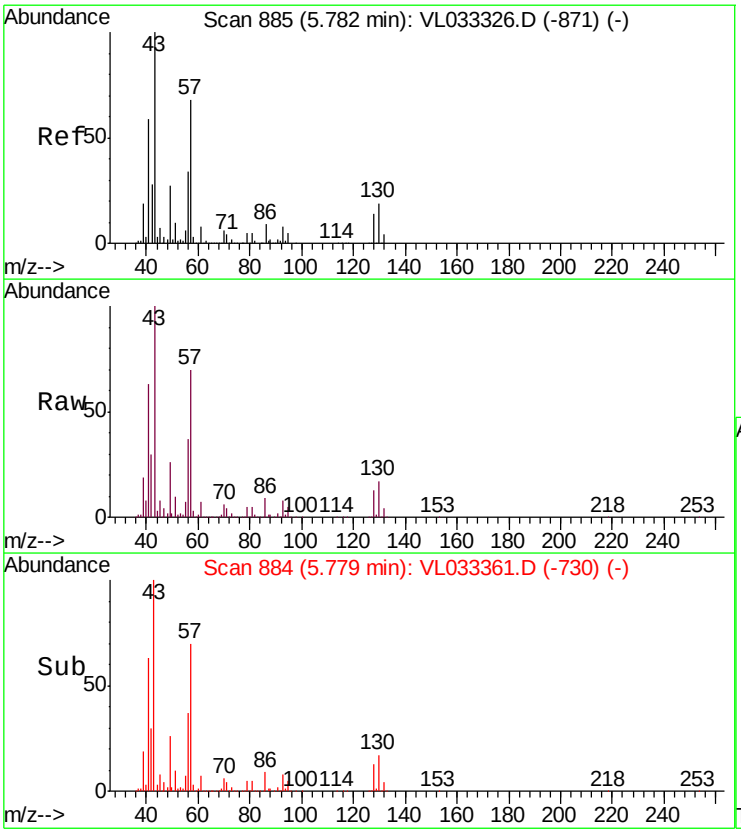
#25
Ethyl Acetate
Concen: 9.612 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 43 Resp: 1683425

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.7	8.5

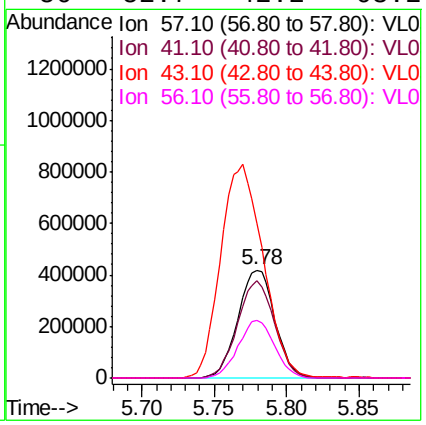


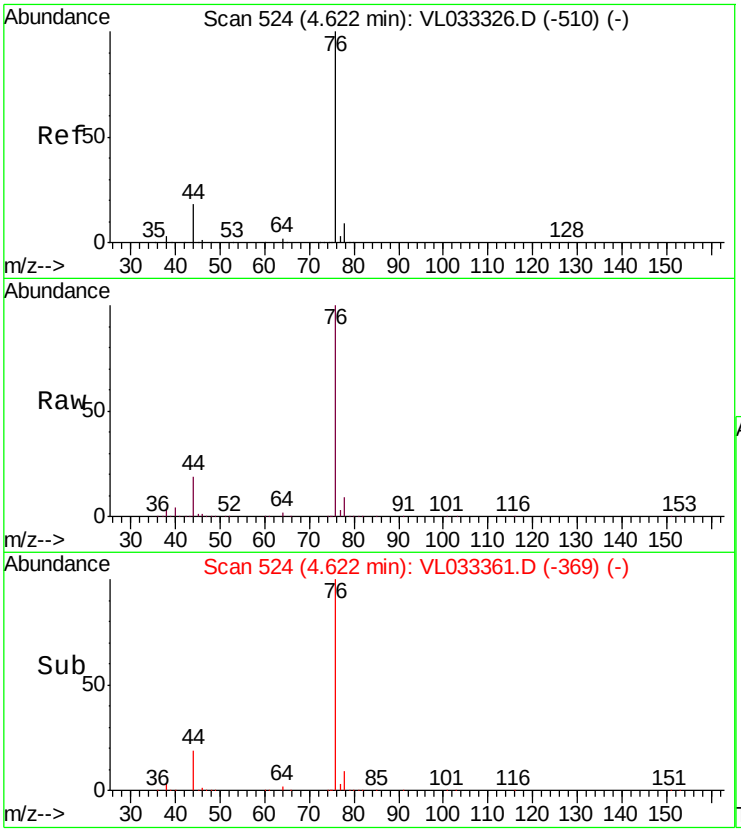


#26
Hexane
Concen: 9.481 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 57 Resp: 742279

Ion	Ratio	Lower	Upper
57	100		
41	90.2	70.5	105.7
43	227.3	181.8	272.8
56	52.7	42.2	63.2



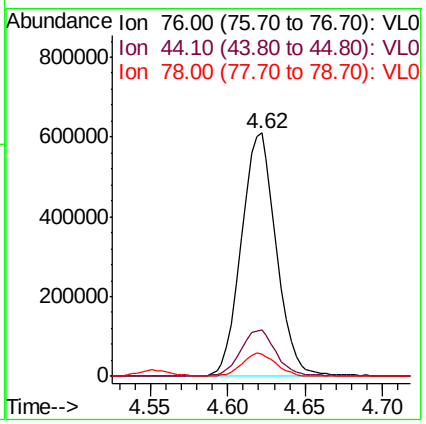


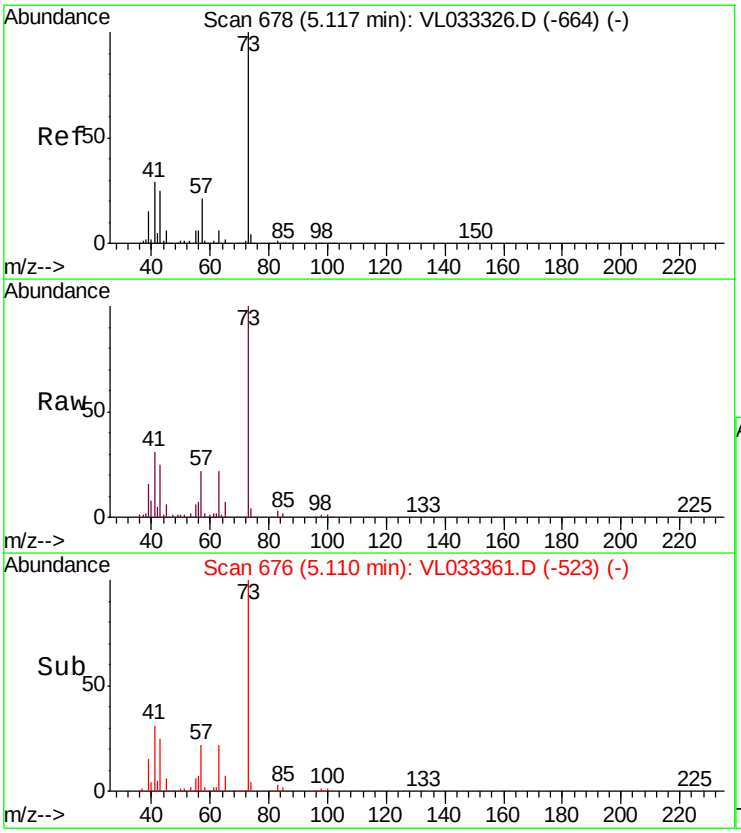
#27
Carbon Disulfide
Concen: 10.621 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 76 Resp: 957344

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.2	22.8
78	9.3	7.2	10.8

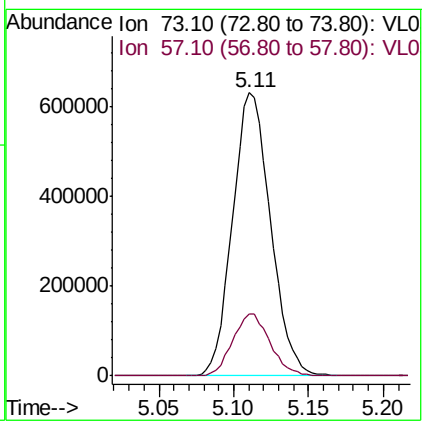


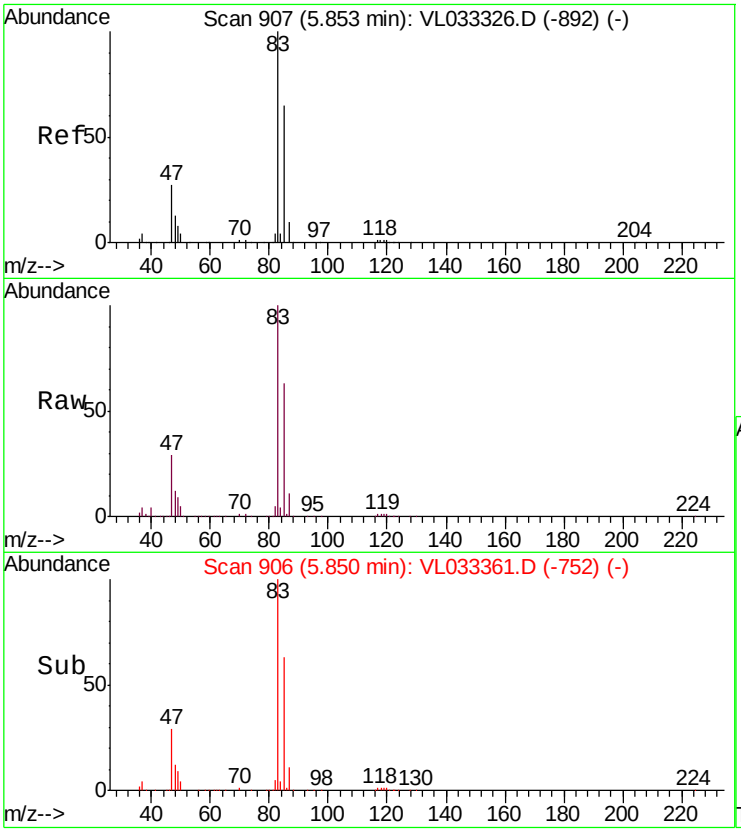


#28
Methyl tert-Butyl Ether
Concen: 9.604 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 73 Resp: 1116927

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



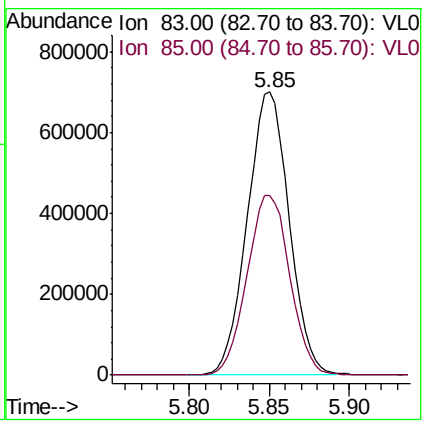


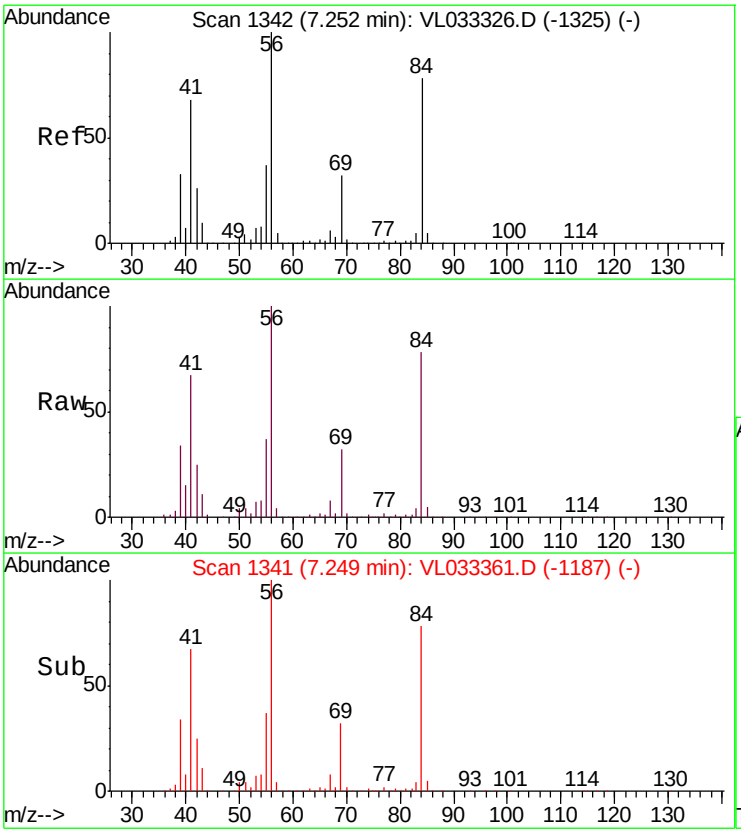
#29
Chloroform
Concen: 9.815 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 83 Resp: 1258270

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.0	78.0

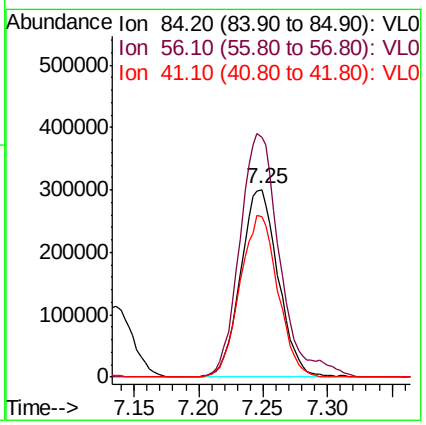


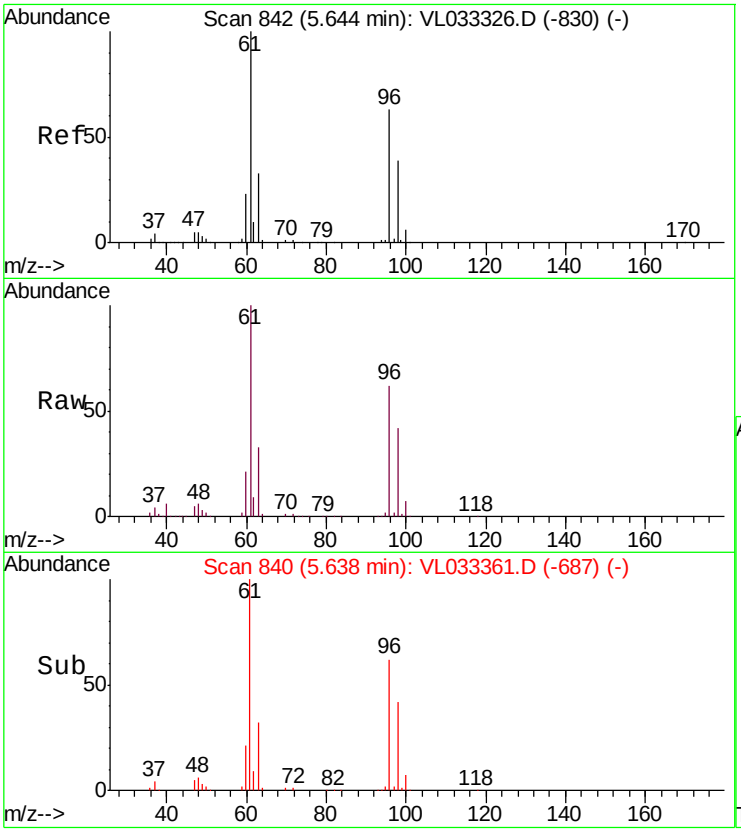


#30
Cyclohexane
Concen: 9.713 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 84 Resp: 609698

Ion	Ratio	Lower	Upper
84	100		
56	138.4	111.3	166.9
41	86.9	69.6	104.4



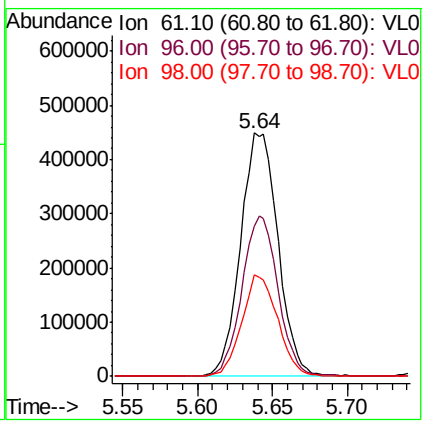


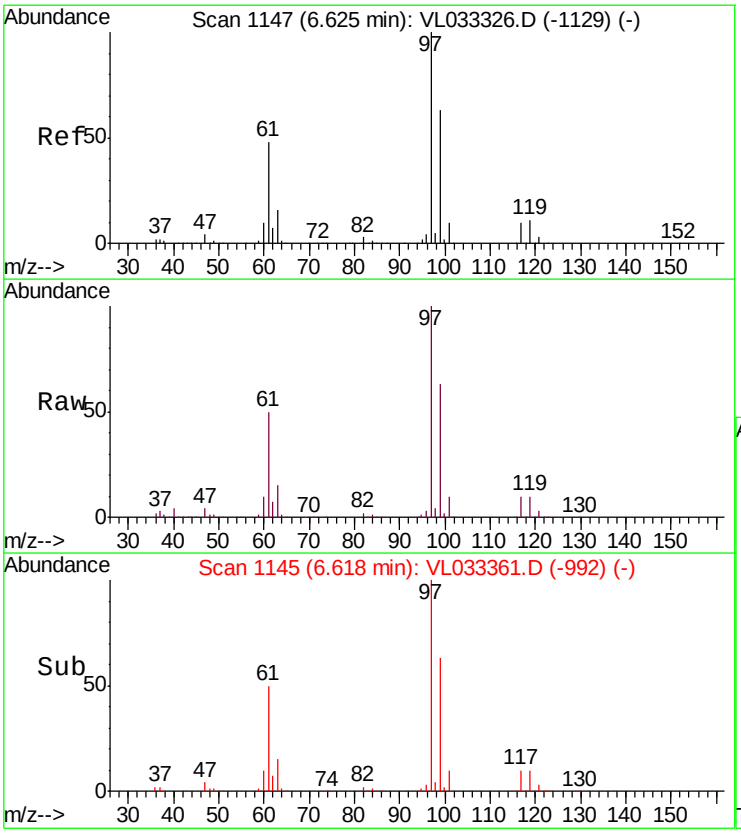
#31
cis-1,2-Dichloroethene
Concen: 9.988 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 61 Resp: 781883

Ion	Ratio	Lower	Upper
61	100		
96	61.9	50.3	75.5
98	41.6	31.5	47.3

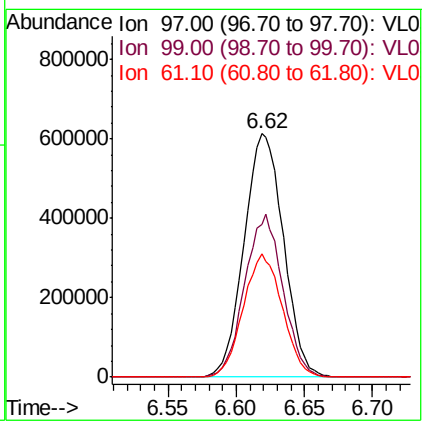


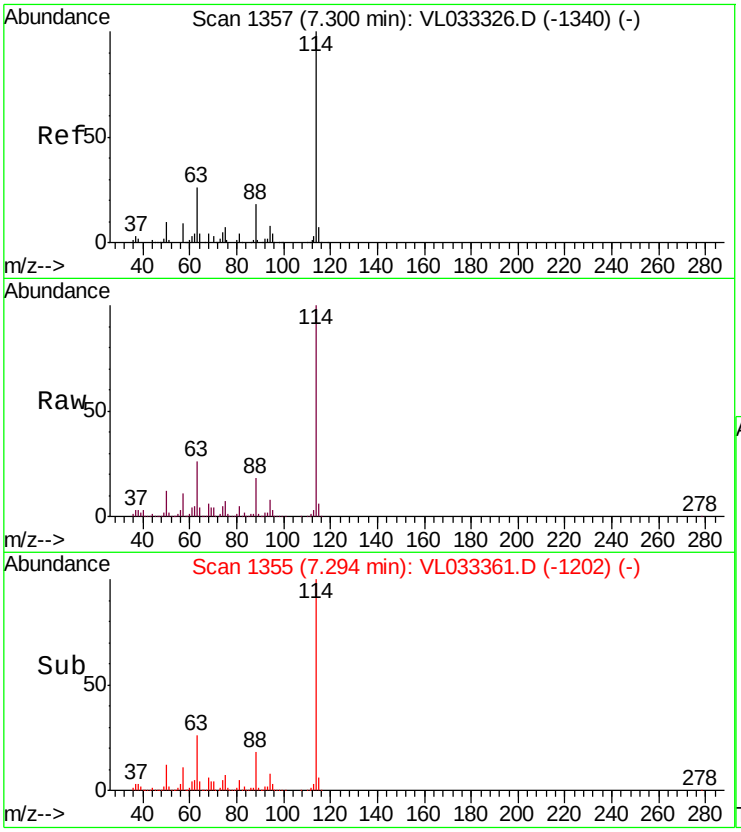


#32
1,1,1-Trichloroethane
Concen: 9.774 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 97 Resp: 1230311

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	50.2	39.3	58.9



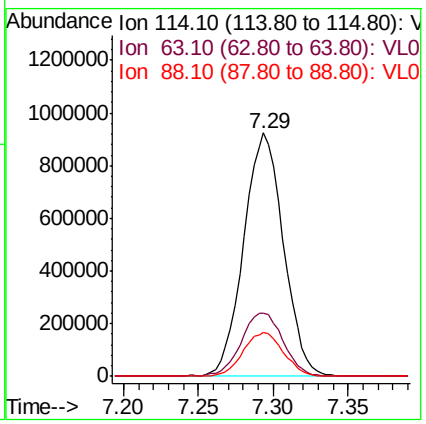


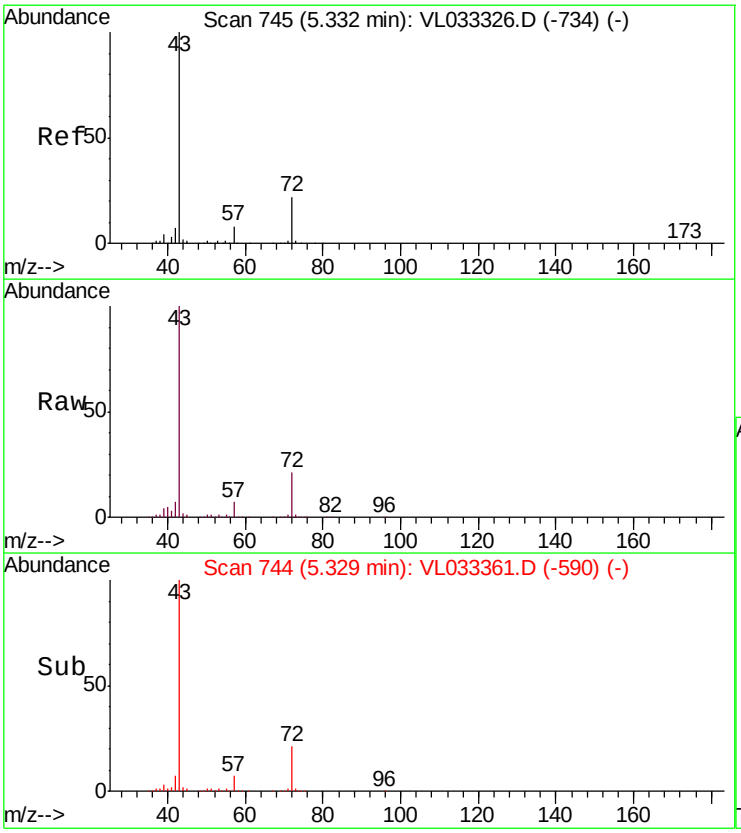
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:114 Resp: 1710847

Ion	Ratio	Lower	Upper
114	100		
63	27.8	21.4	32.2
88	18.3	14.5	21.7

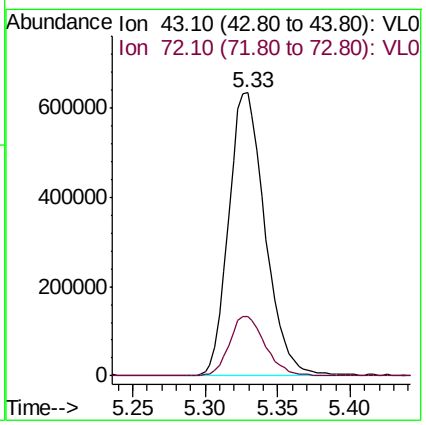


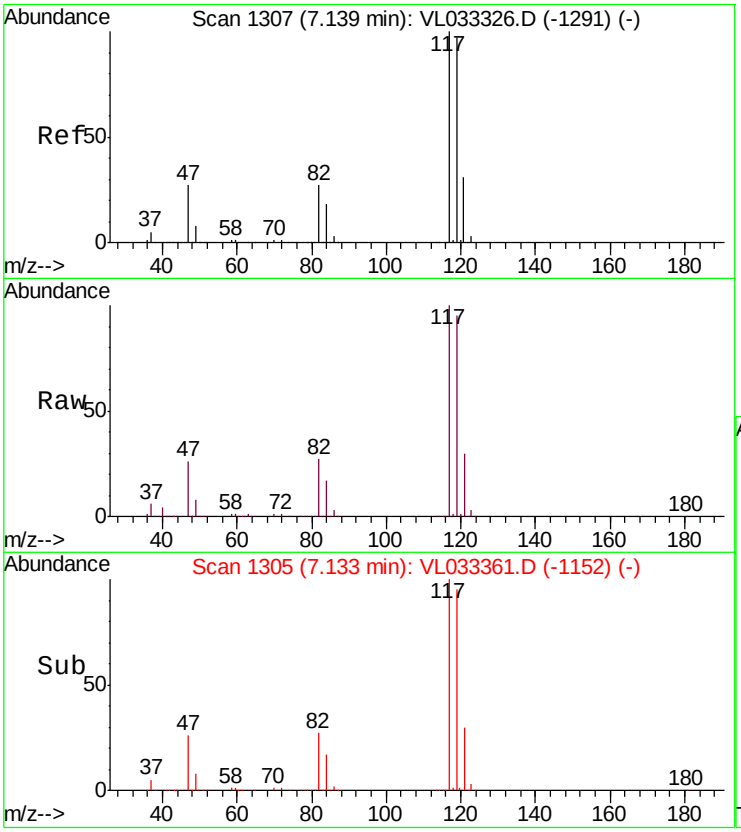


#34
2-Butanone
Concen: 9.783 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 43 Resp: 1099172

Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.7	26.5



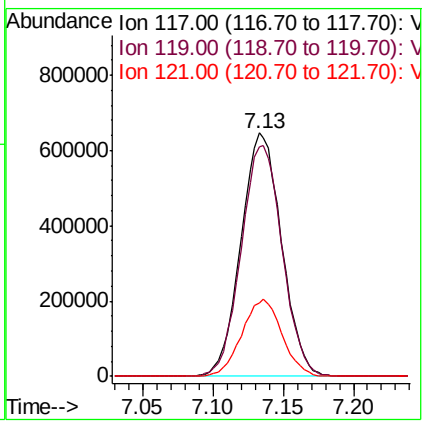


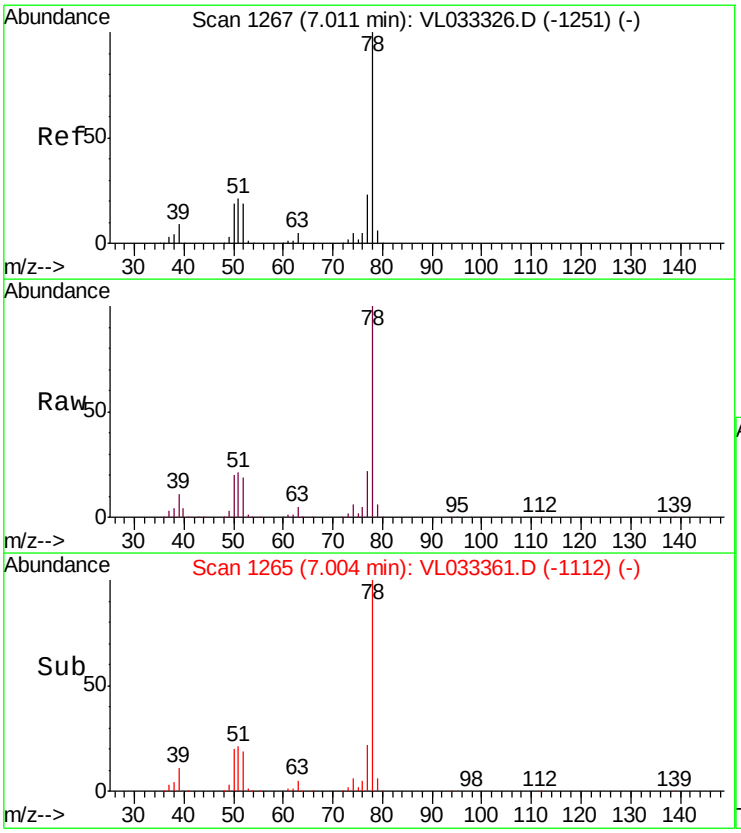
#35
Carbon Tetrachloride
Concen: 10.817 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:117 Resp: 1304648

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.4	116.0
121	30.2	24.9	37.3

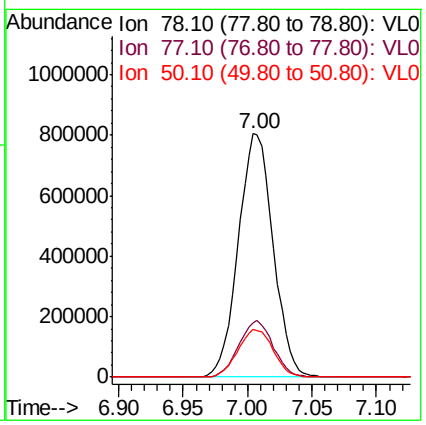


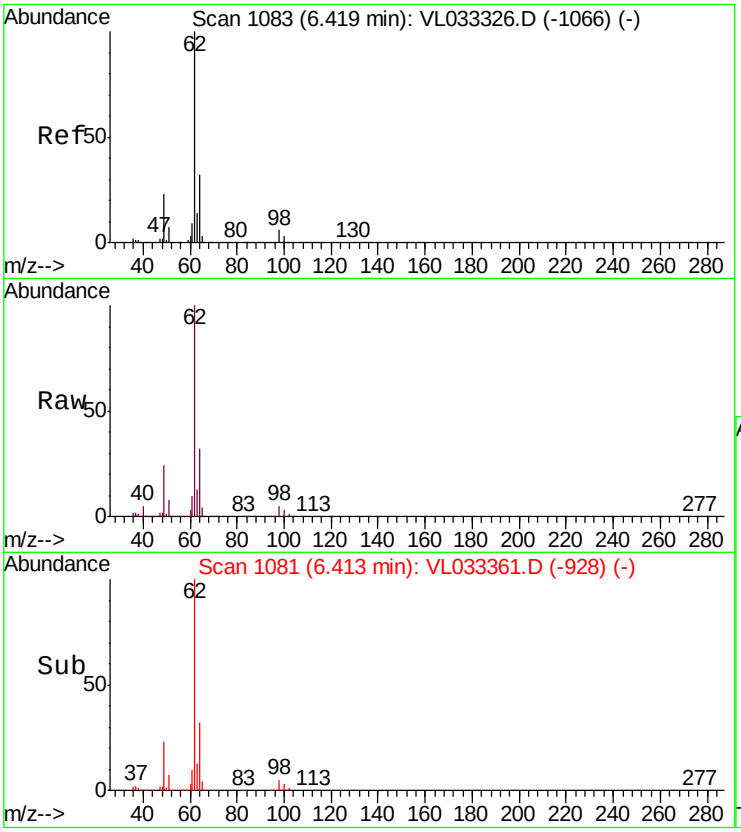


#36
Benzene
Concen: 9.862 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 78 Resp: 1510012

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.1	27.1
50	19.9	15.2	22.8



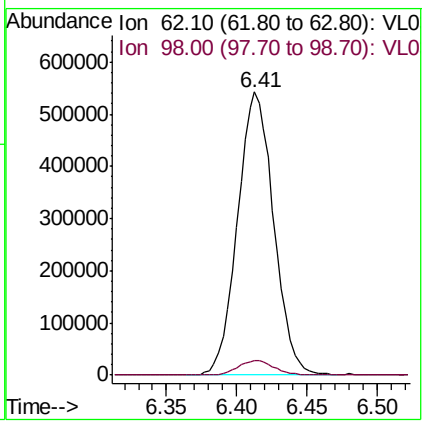


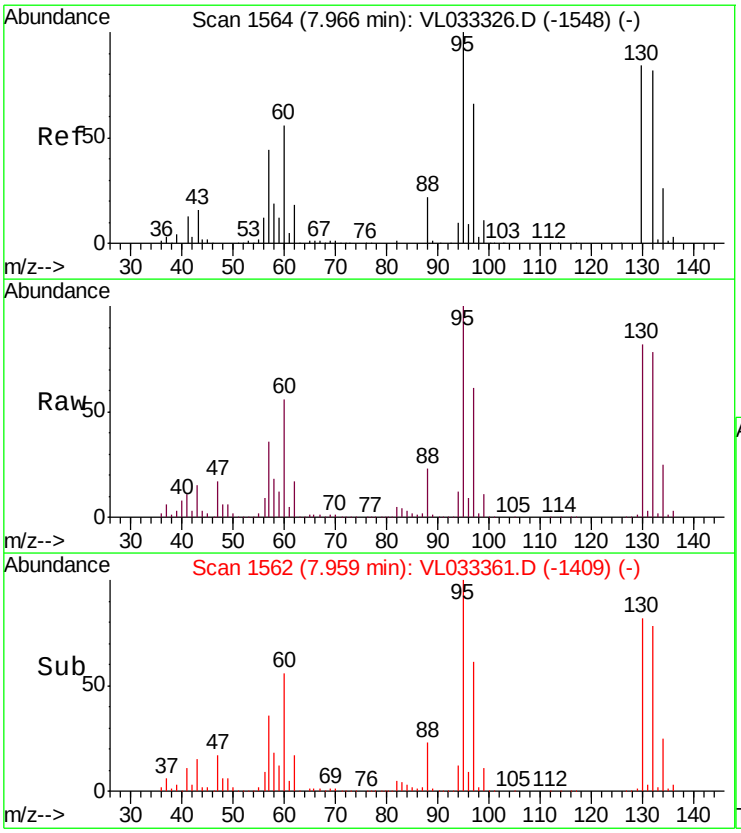
#37
1,2-Dichloroethane
Concen: 10.055 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 62 Resp: 973483

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.5	6.7

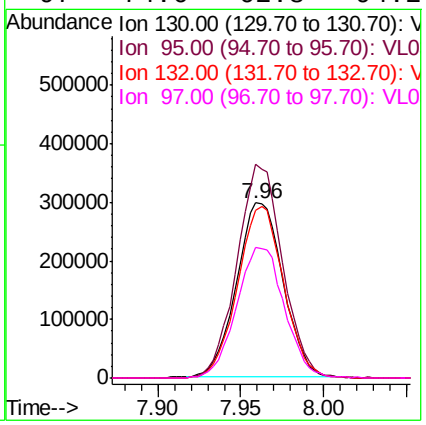


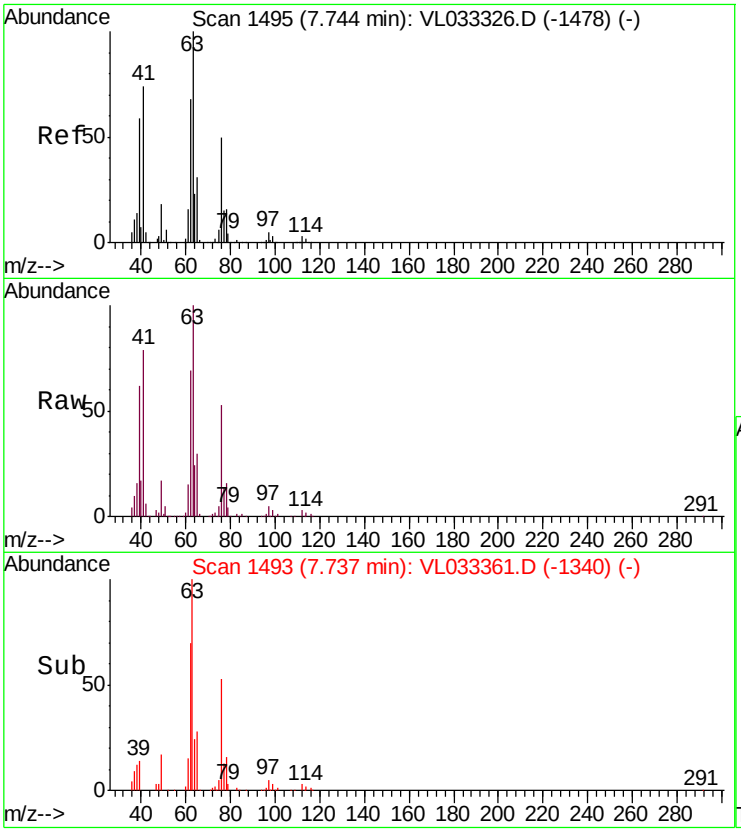


#38
Trichloroethene
Concen: 10.010 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:130 Resp: 579962

Ion	Ratio	Lower	Upper
130	100		
95	122.3	95.2	142.8
132	95.9	77.7	116.5
97	74.6	62.8	94.2



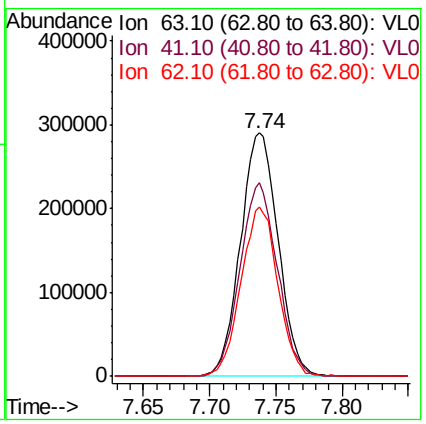


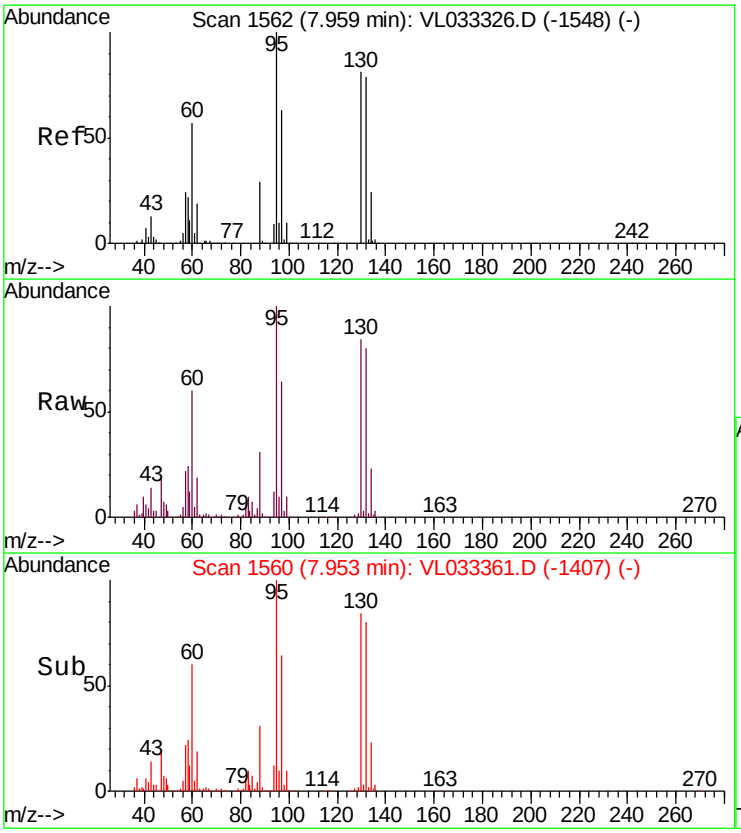
#39
1,2-Dichloropropane
Concen: 10.020 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 63 Resp: 574521

Ion	Ratio	Lower	Upper
63	100		
41	79.3	59.5	89.3
62	69.5	54.7	82.1

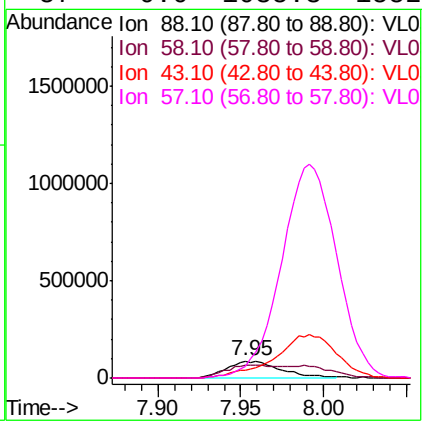


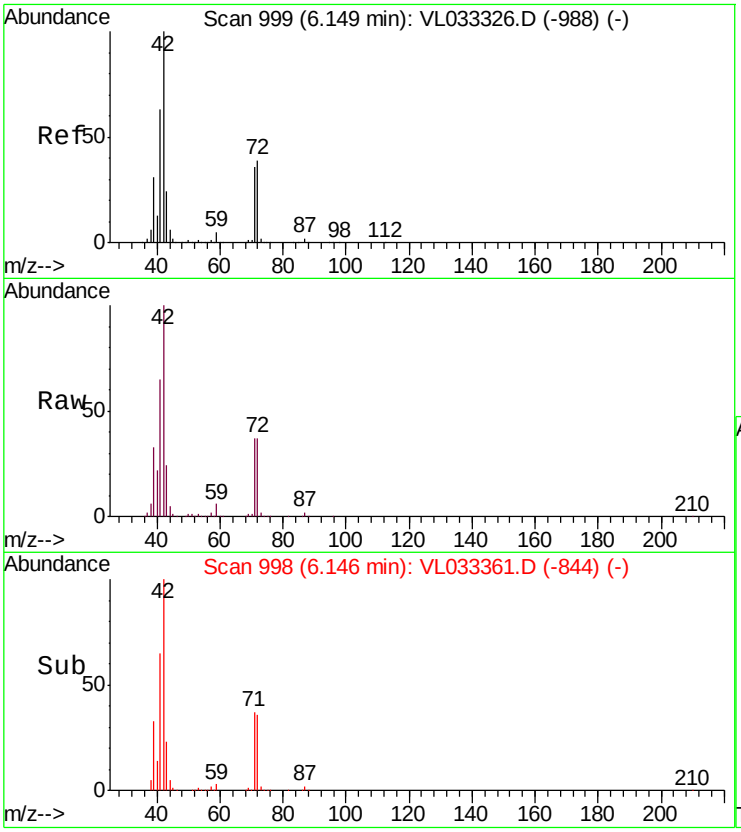


#40
1,4-Dioxane
Concen: 9.578 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 88 Resp: 193402

Ion	Ratio	Lower	Upper
88	100		
58	138.6	107.9	161.9
43	0.0	230.8	346.2#
57	0.0	1035.3	1552.9#



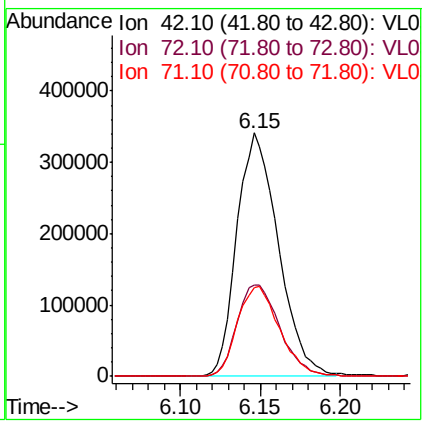


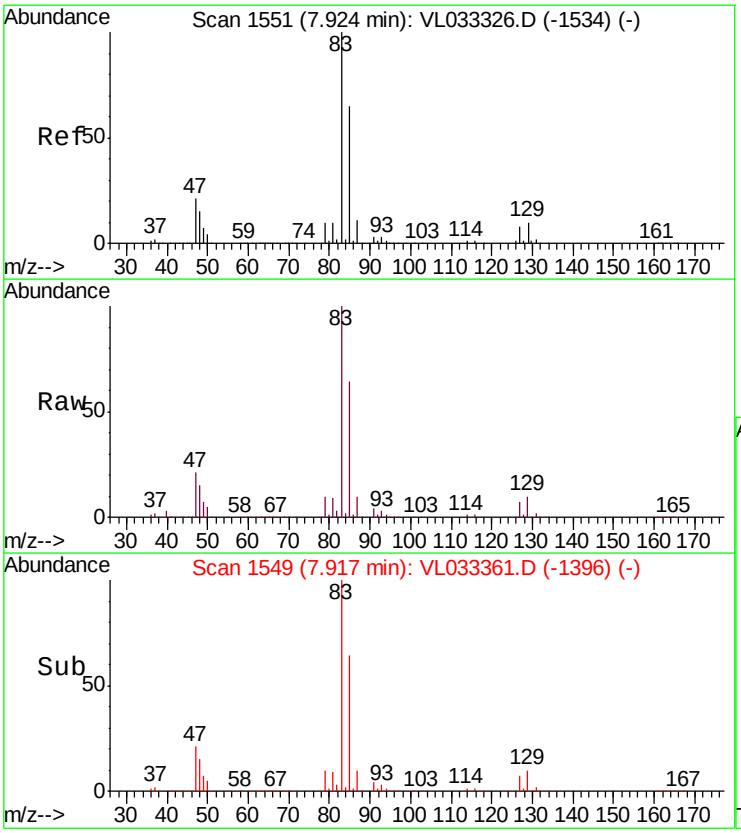
#41
Tetrahydrofuran
Concen: 10.095 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 42 Resp: 605288

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.6	47.4
71	37.8	29.9	44.9

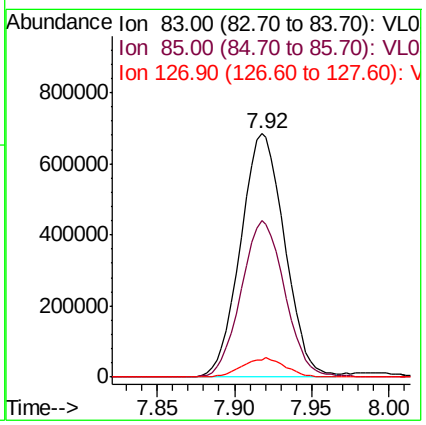


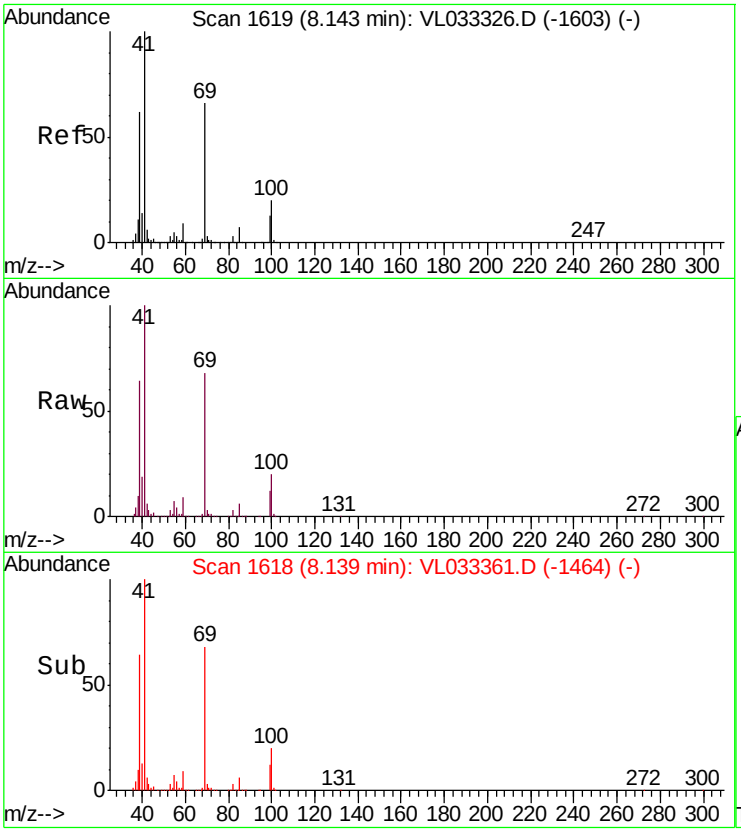


#42
Bromodichloromethane
Concen: 10.437 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 83 Resp: 1354684

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	7.1	6.2	9.2



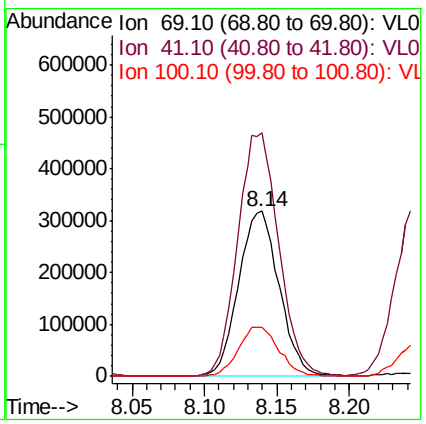


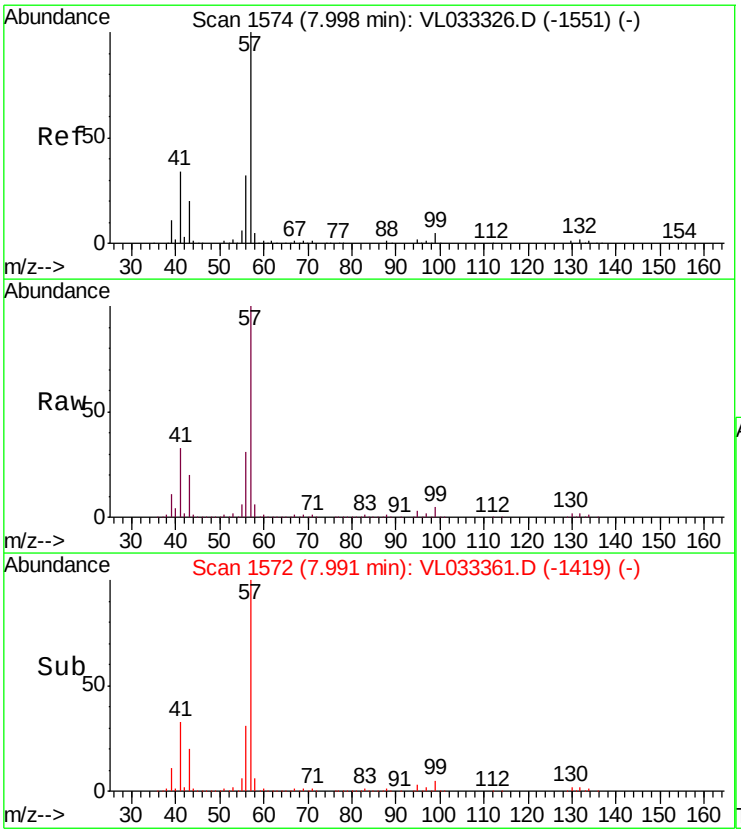
#43
Methyl Methacrylate
Concen: 10.378 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 69 Resp: 618707

Ion	Ratio	Lower	Upper
69	100		
41	149.3	119.5	179.3
100	29.8	24.4	36.6

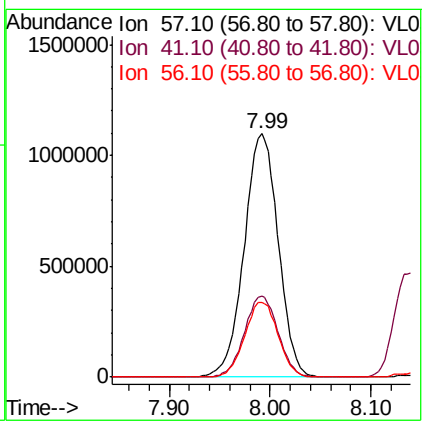


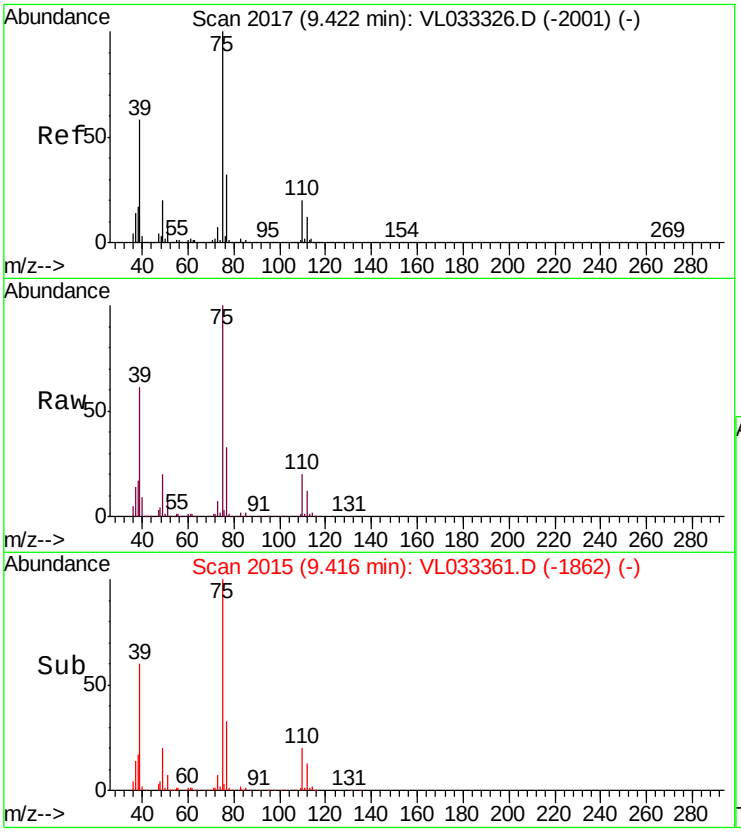


#44
2,2,4-Trimethylpentane
Concen: 10.139 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 57 Resp: 2571268

Ion	Ratio	Lower	Upper
57	100		
41	32.8	26.0	39.0
56	30.4	24.6	36.8



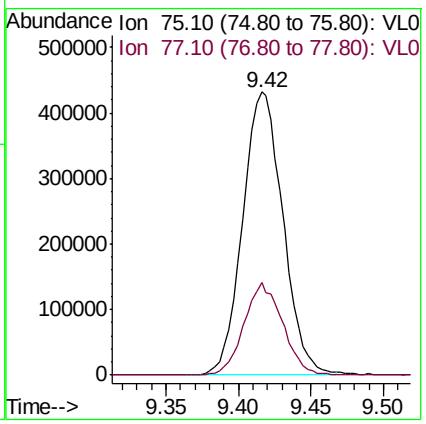


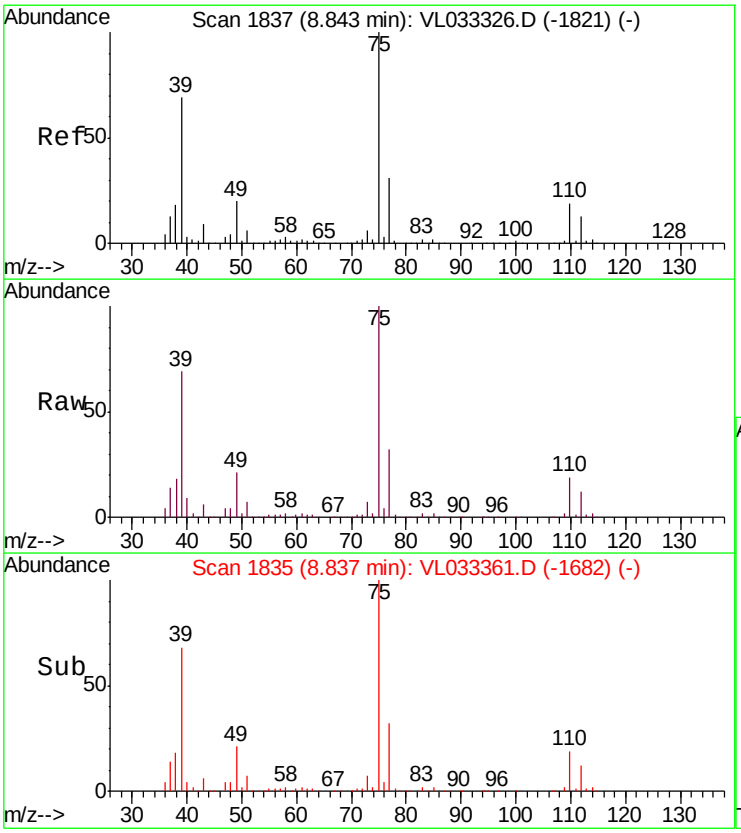
#45
t-1,3-Dichloropropene
Concen: 11.364 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 75 Resp: 836418

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.5	38.3

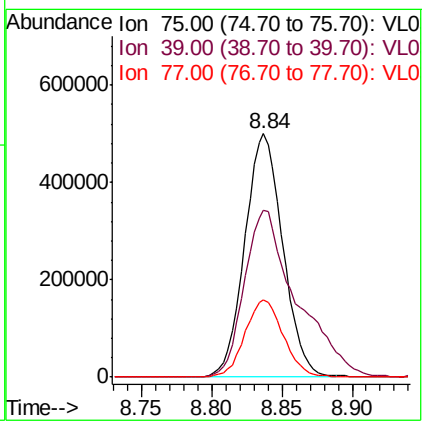


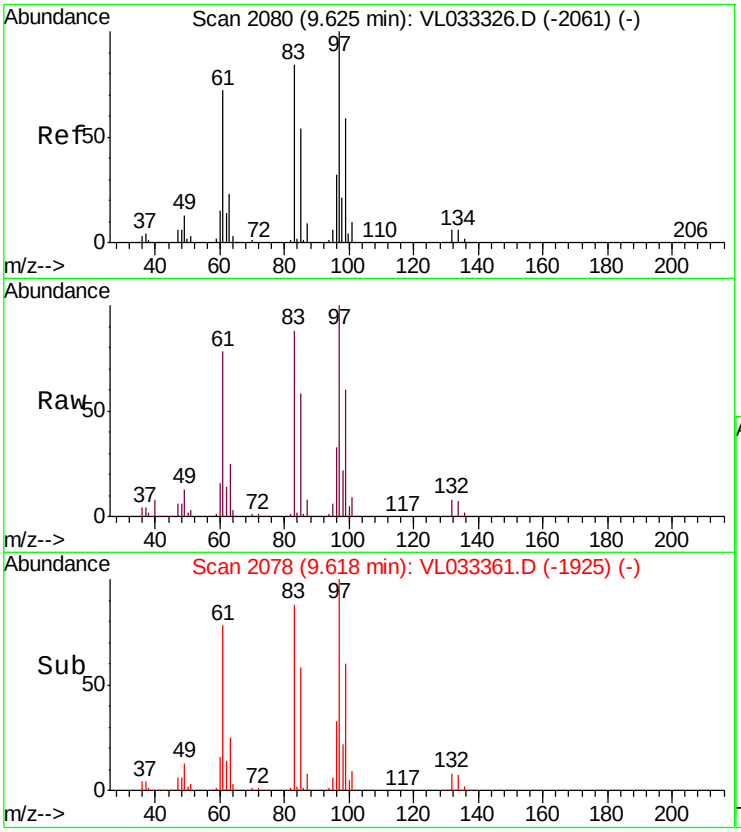


#46
cis-1,3-Dichloropropene
Concen: 10.890 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 75 Resp: 943806

Ion	Ratio	Lower	Upper
75	100		
39	68.4	55.0	82.6
77	31.7	24.5	36.7



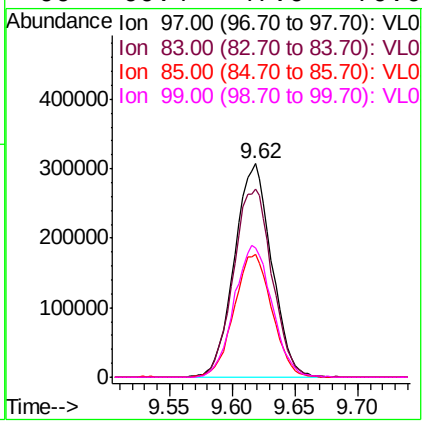


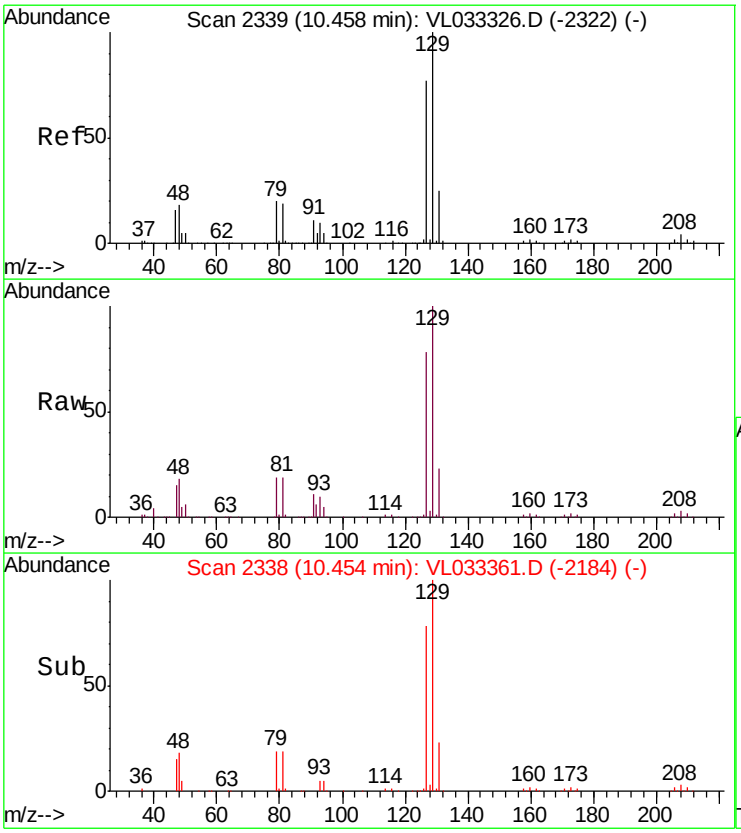
#47
1,1,2-Trichloroethane
Concen: 10.010 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion: 97 Resp: 634141

Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.4	101.0
85	57.6	43.0	64.4
99	60.4	47.0	70.6

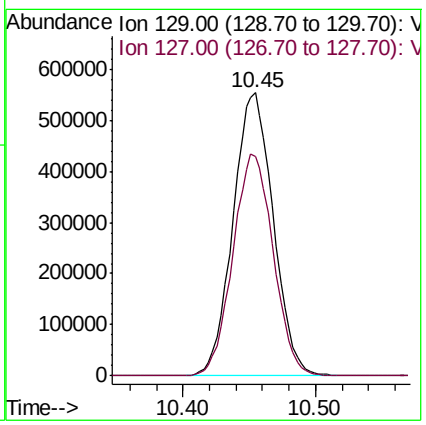


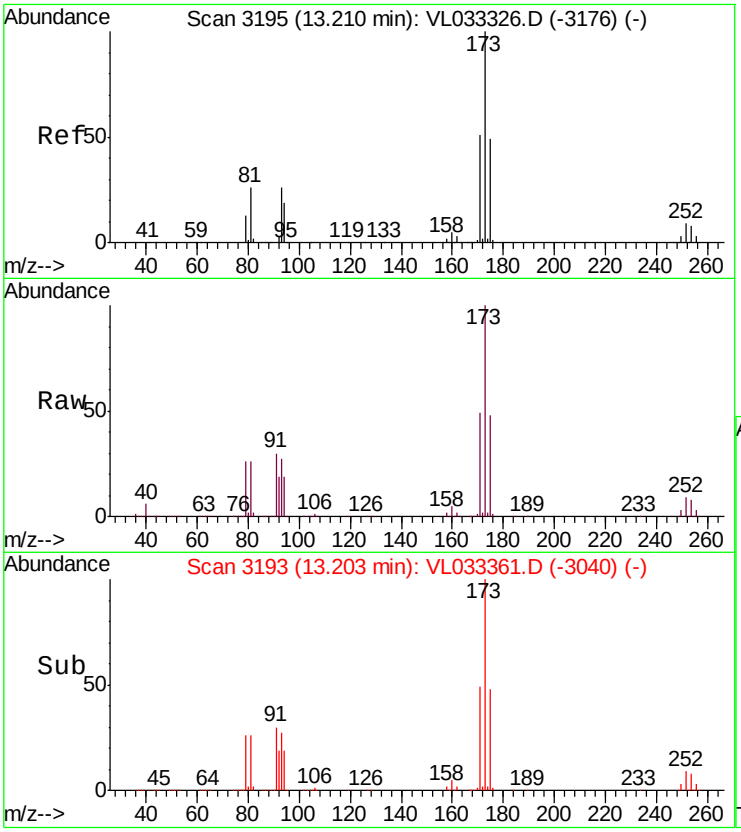


#48
Dibromochloromethane
Concen: 10.977 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:129 Resp: 1166251

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.9	116.6



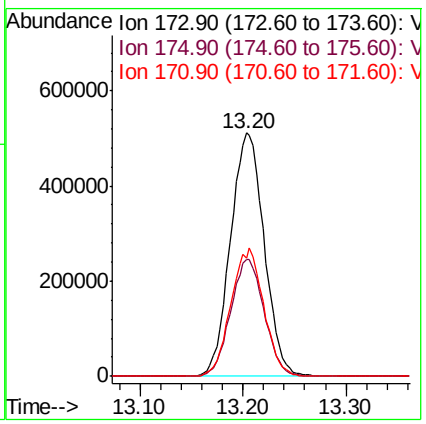


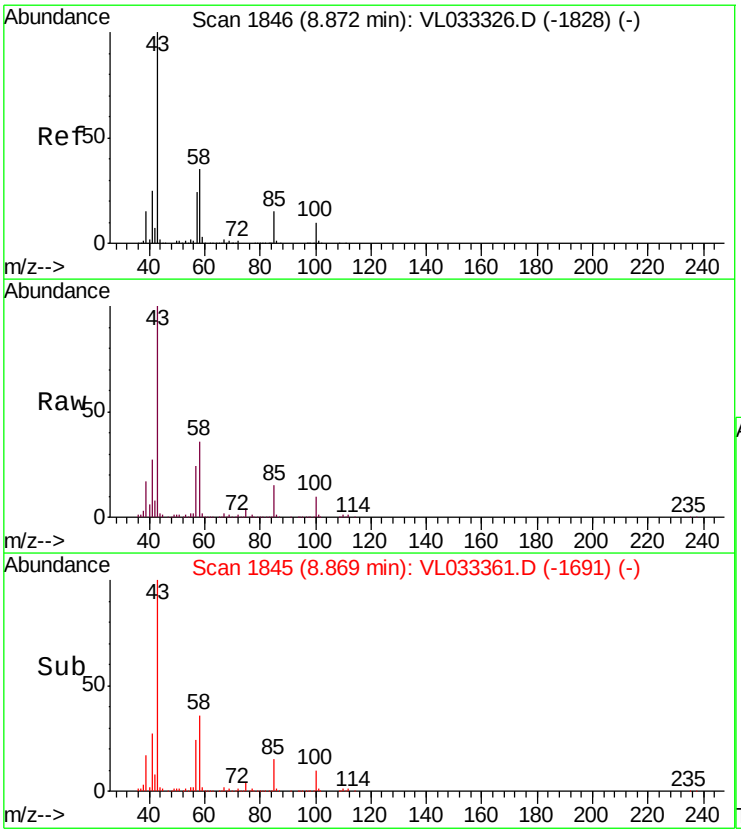
#49
Bromoform
Concen: 11.548 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:173 Resp: 1163859

Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.0	58.6
171	51.3	41.7	62.5

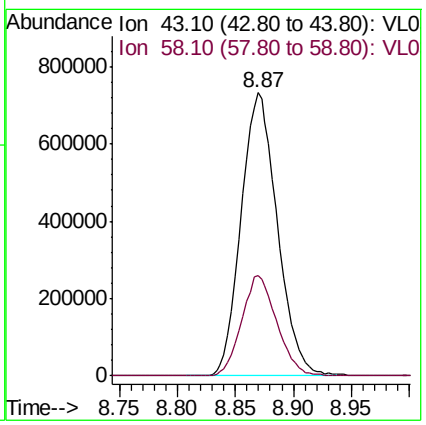


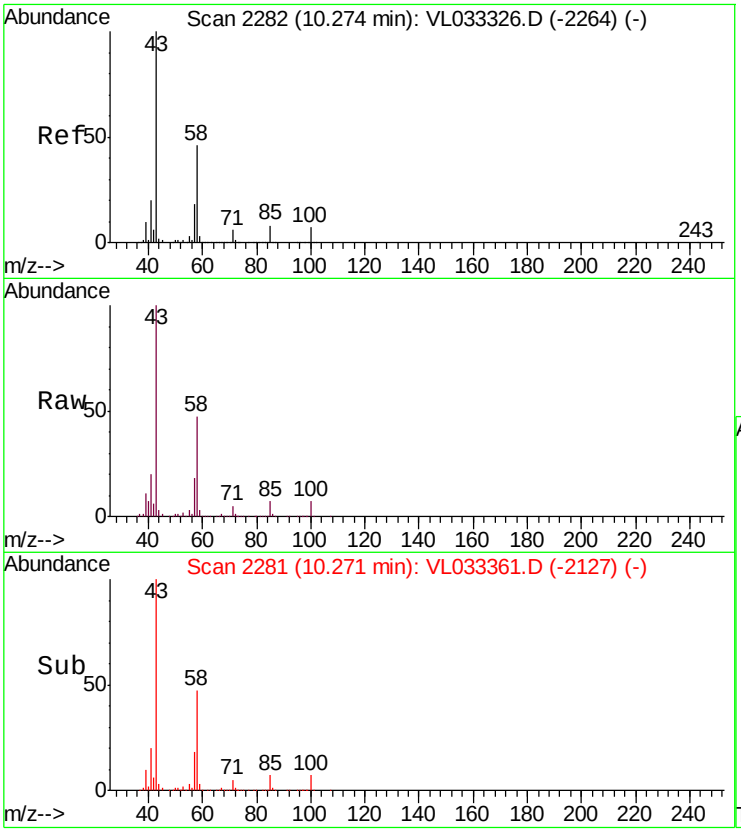


#50
4-Methyl-2-Pentanone
Concen: 10.022 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 43 Resp: 1590576

Ion	Ratio	Lower	Upper
43	100		
58	34.6	28.4	42.6



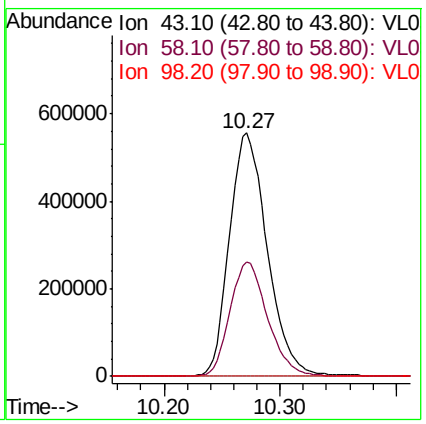


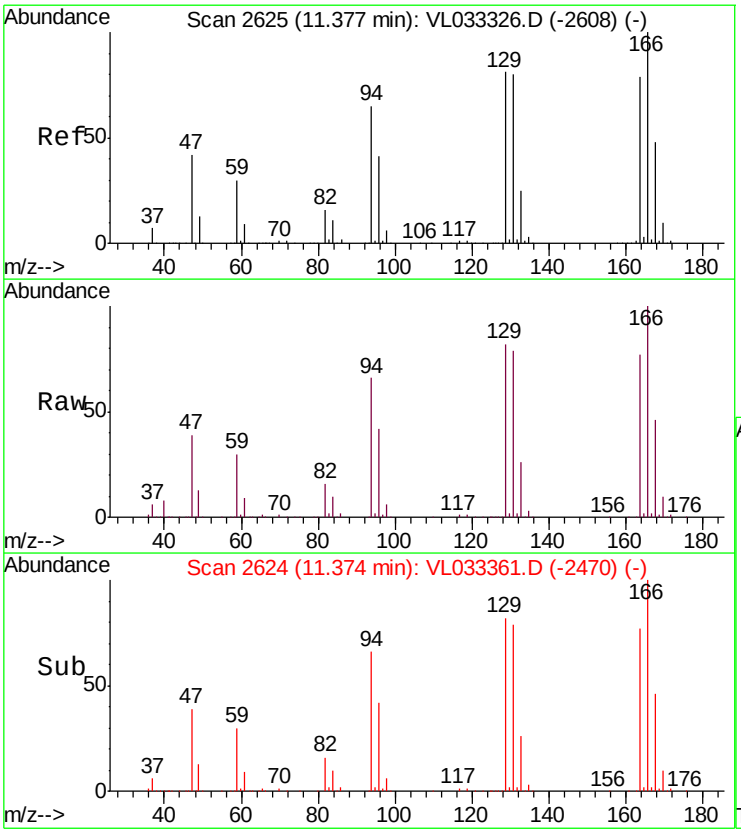
#51
2-Hexanone
Concen: 10.275 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 43 Resp: 1258152

Ion	Ratio	Lower	Upper
43	100		
58	46.6	38.0	57.0
98	0.2	0.1	0.1#

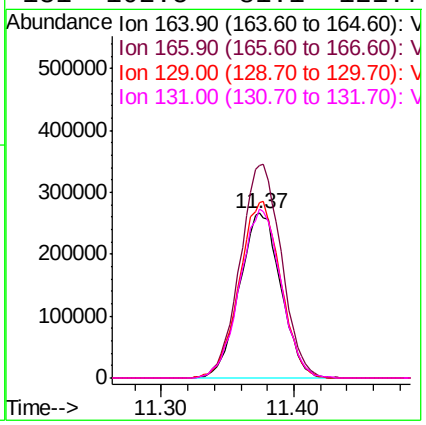


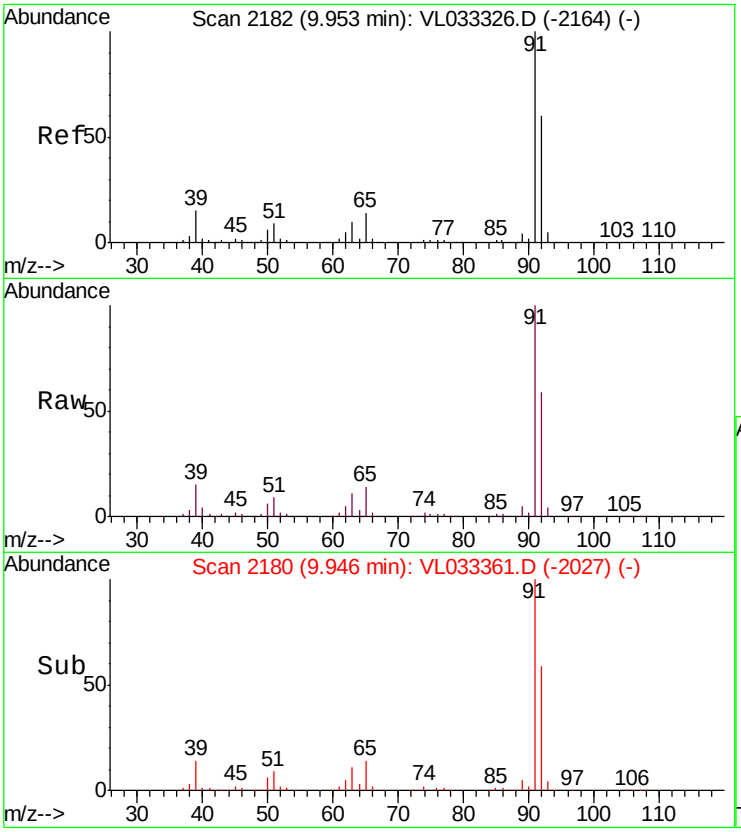


#52
Tetrachloroethene
Concen: 9.029 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:164 Resp: 575955

Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.5	152.3
129	106.2	82.2	123.2
131	102.5	81.1	121.7



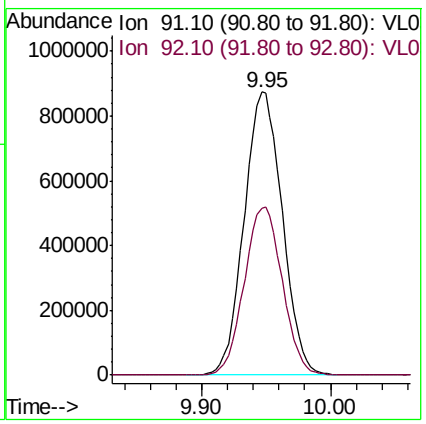


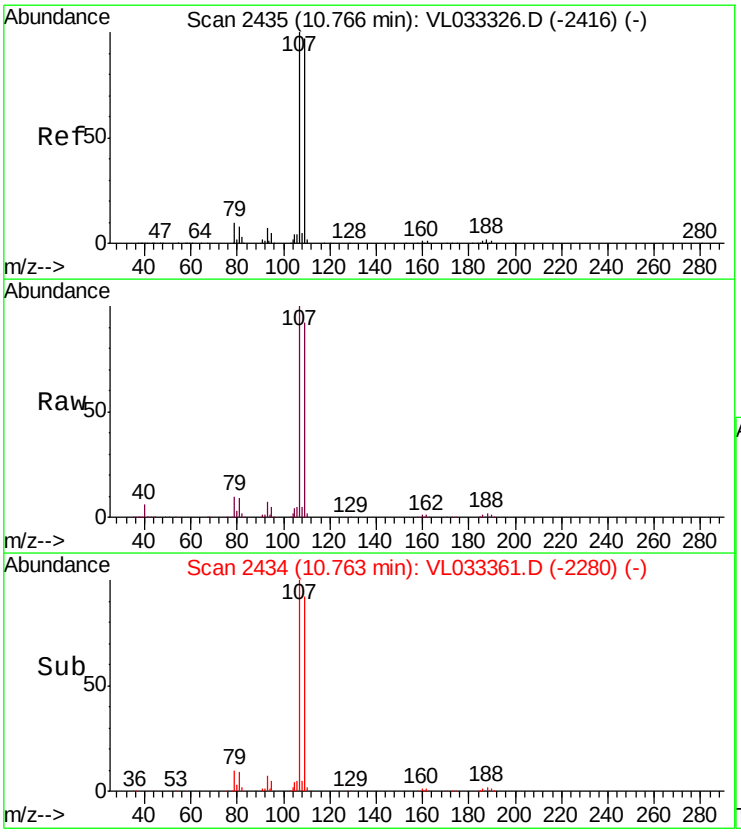
#53
Toluene
Concen: 10.379 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 91 Resp: 1805763

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0

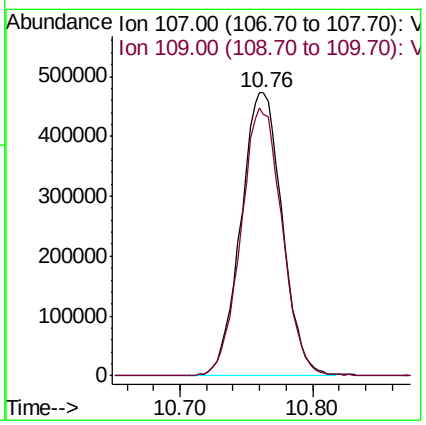


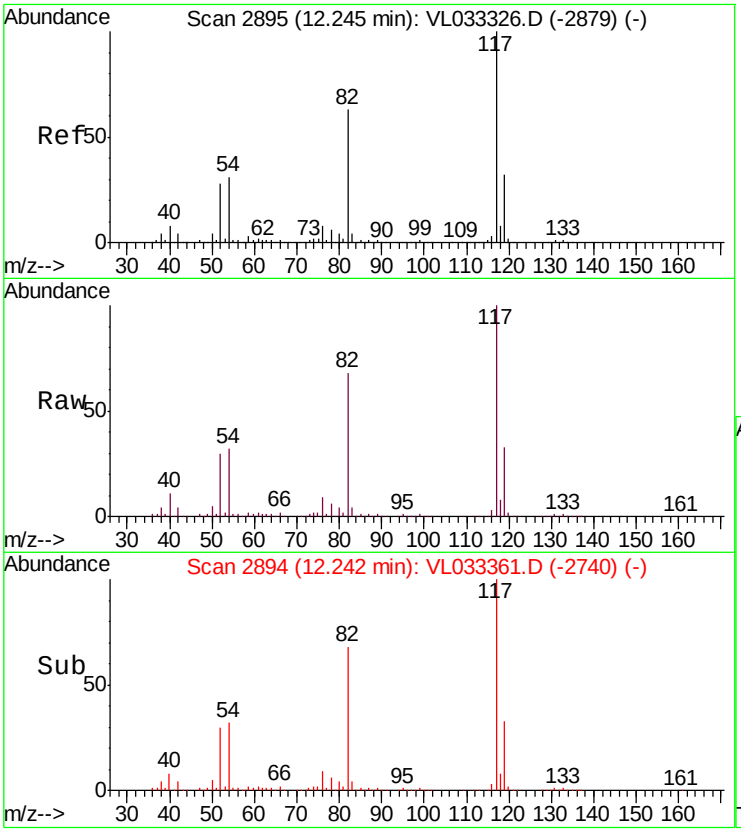


#54
1,2-Dibromoethane
Concen: 9.590 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:107 Resp: 1027062

Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.2	115.8



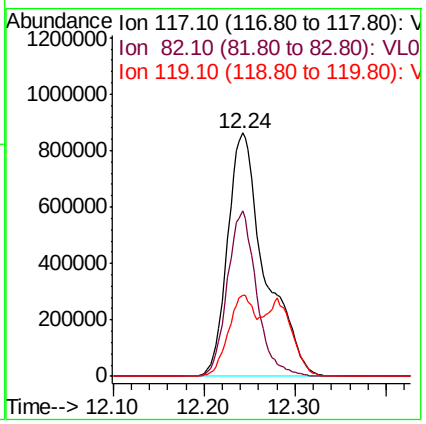


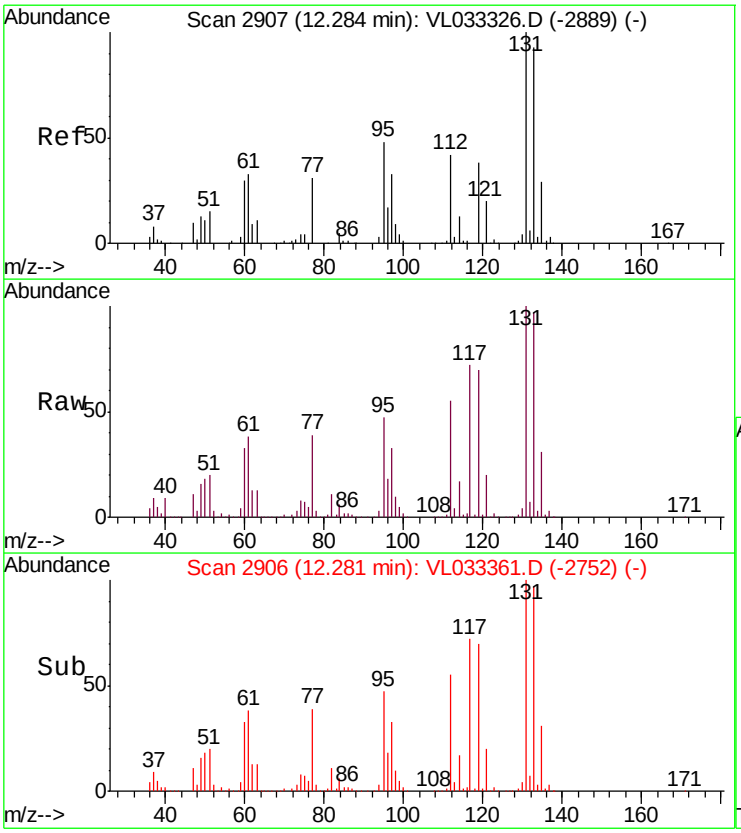
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:117 Resp: 2459236

Ion	Ratio	Lower	Upper
117	100		
82	53.8	53.4	80.2
119	26.4	27.3	40.9#

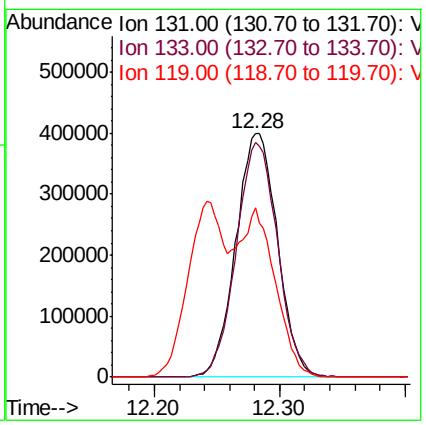


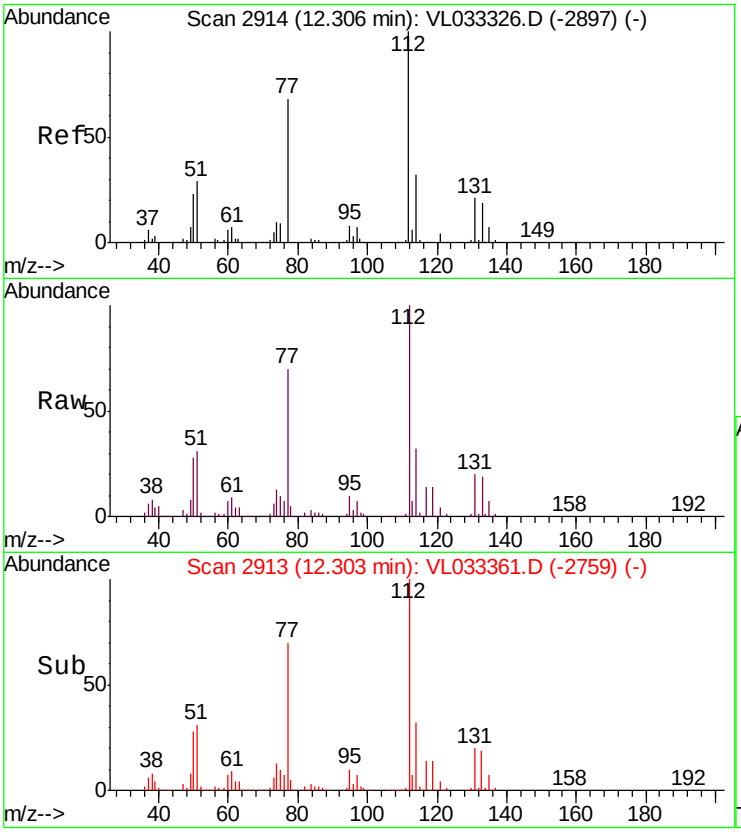


#56
1,1,1,2-Tetrachloroethane
Concen: 8.364 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:131 Resp: 920135

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.7	115.1
119	57.0	40.3	60.5



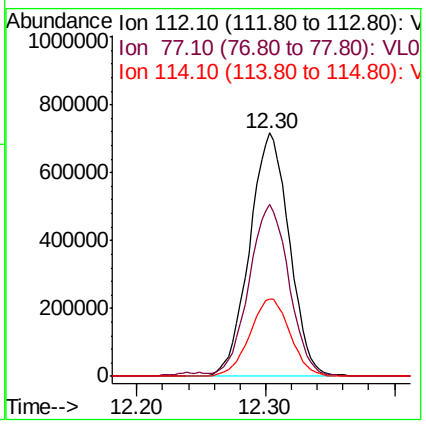


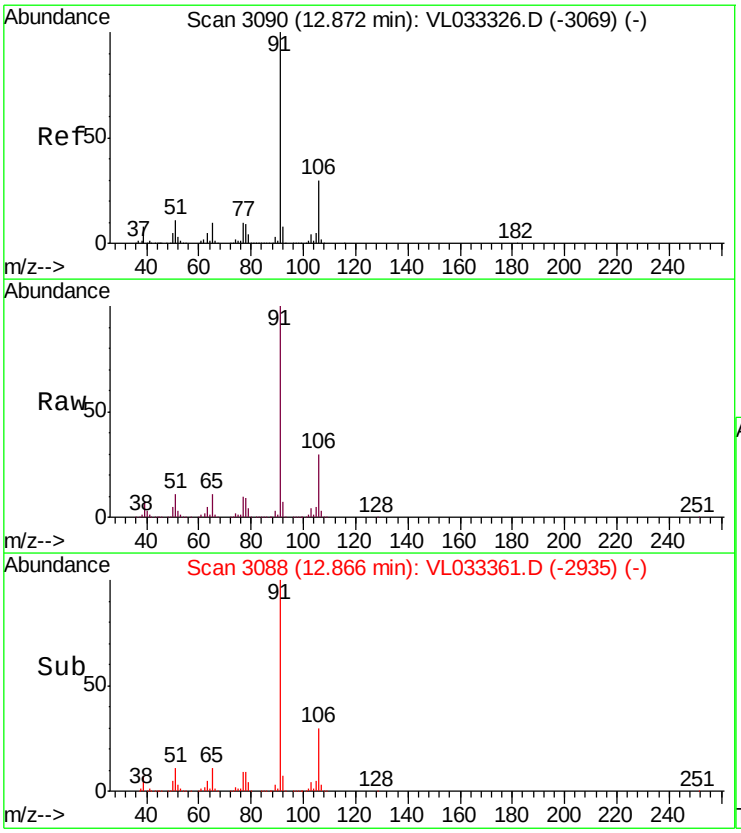
#57
Chlorobenzene
Concen: 7.909 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:112 Resp: 1540426

Ion	Ratio	Lower	Upper
112	100		
77	69.8	55.8	83.6
114	31.8	28.6	35.0

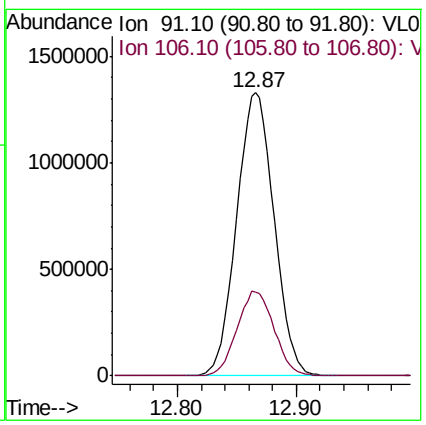


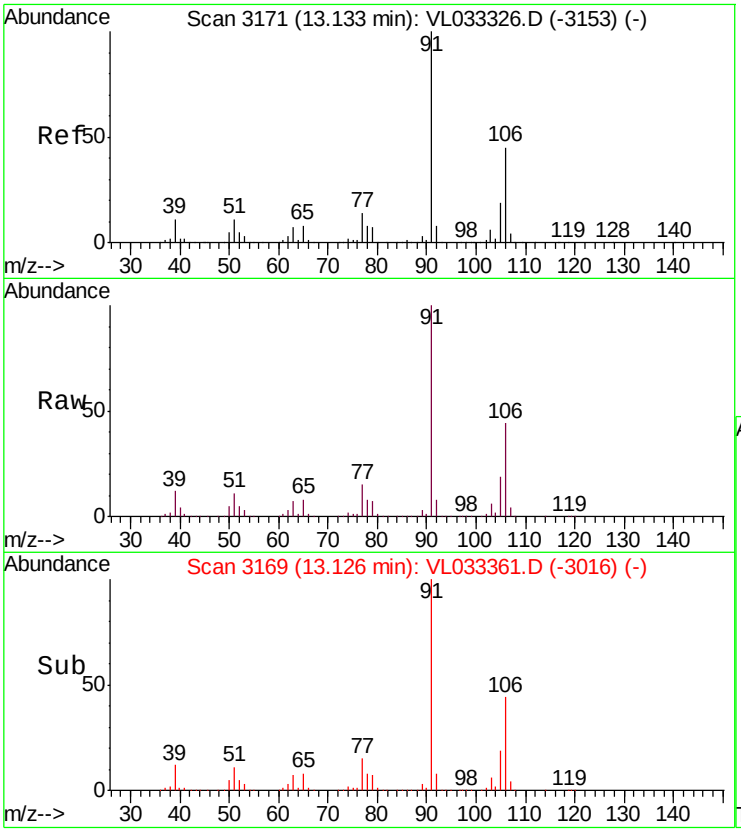


#58
Ethyl Benzene
Concen: 8.302 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 2888219

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.2	36.2



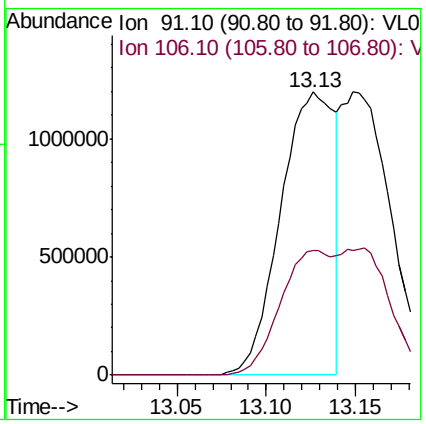


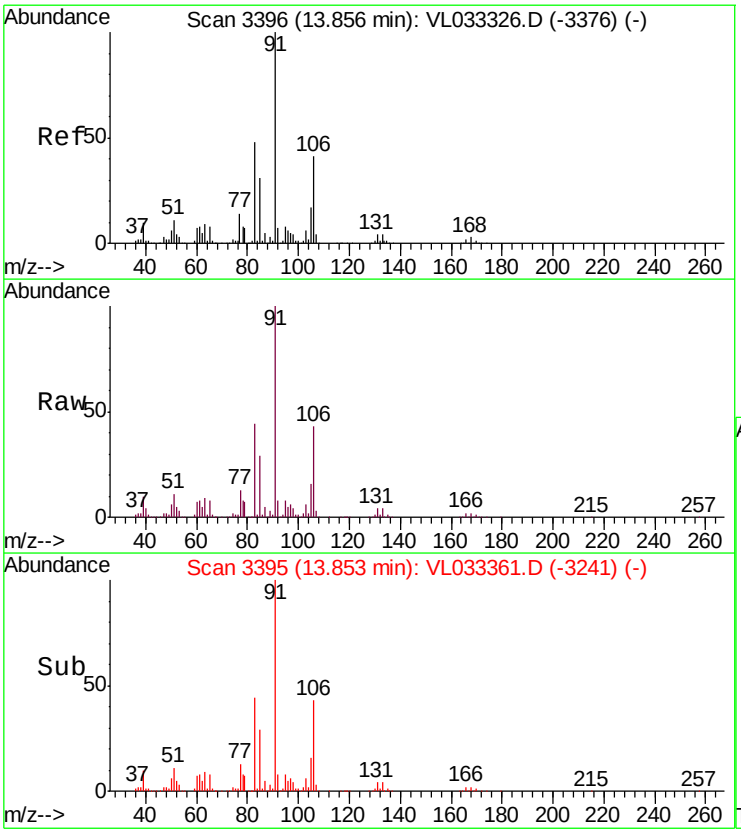
#59
m/p-Xylene
Concen: 8.366 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 91 Resp: 2501368

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

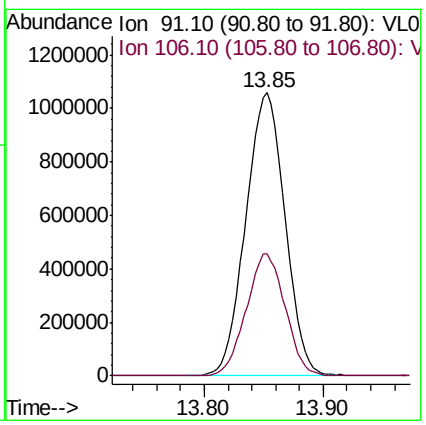


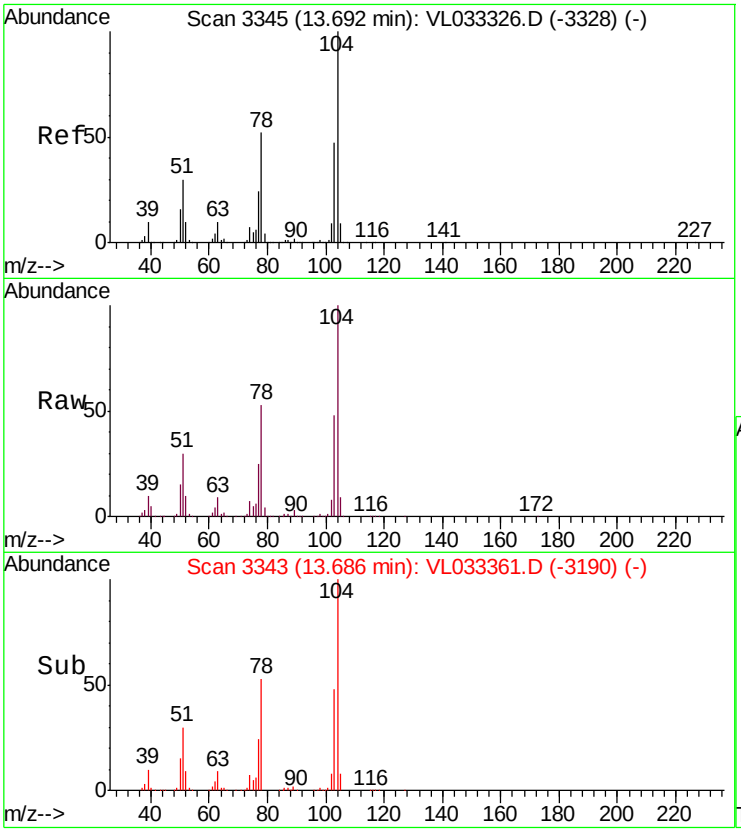


#60
o-Xylene
Concen: 8.273 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 2413003

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.3	63.9



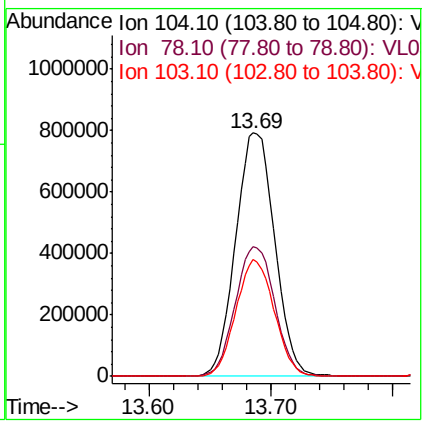


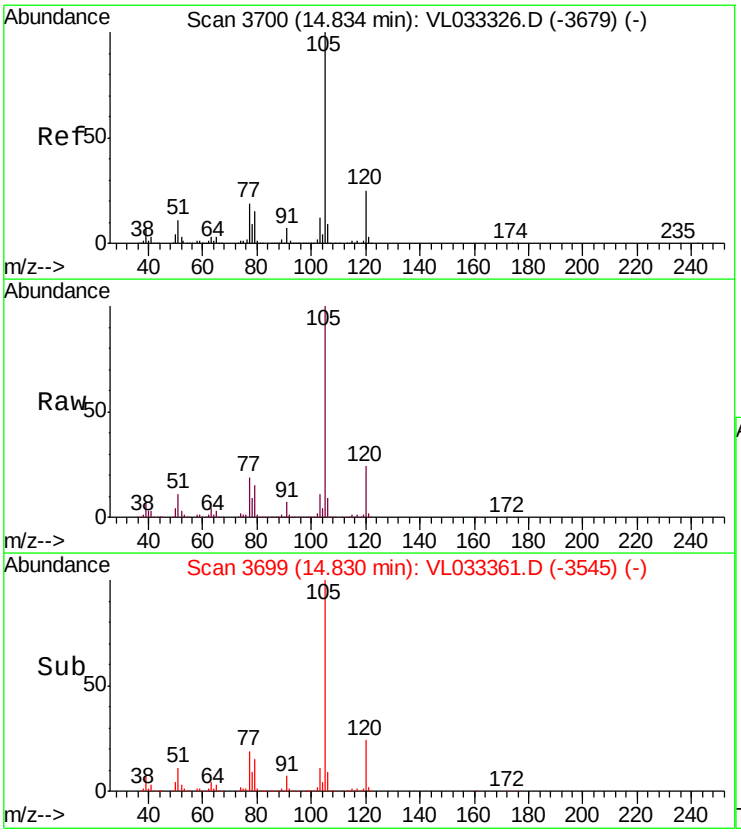
#61
Styrene
Concen: 8.589 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:104 Resp: 1754056

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.7	64.1
103	46.9	38.0	57.0

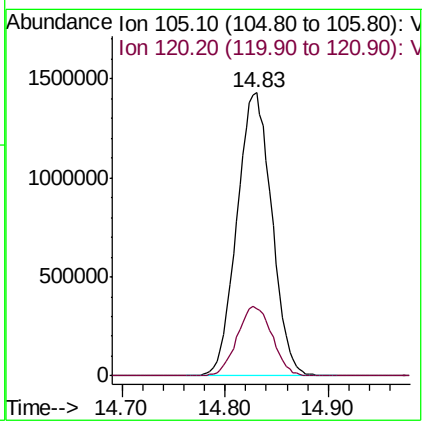


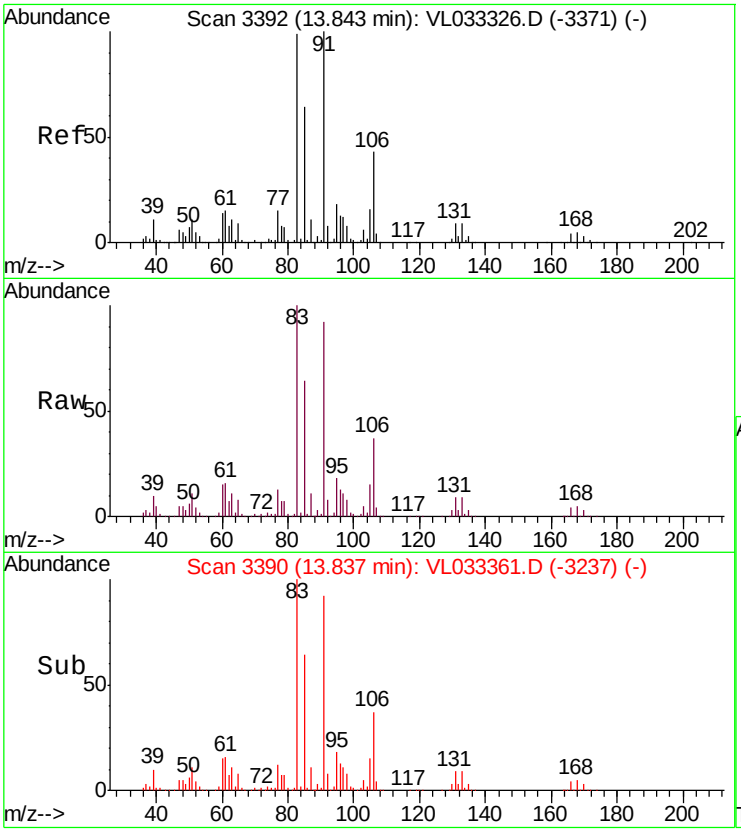


#62
Isopropylbenzene
Concen: 8.284 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 3359173

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.9	29.9



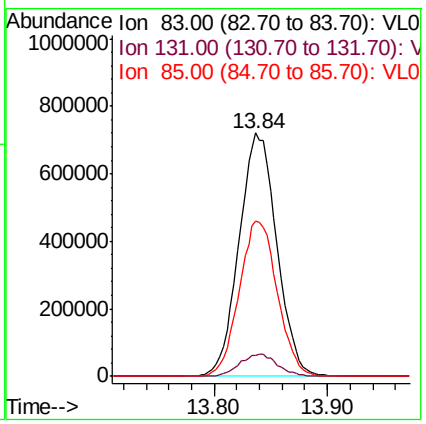


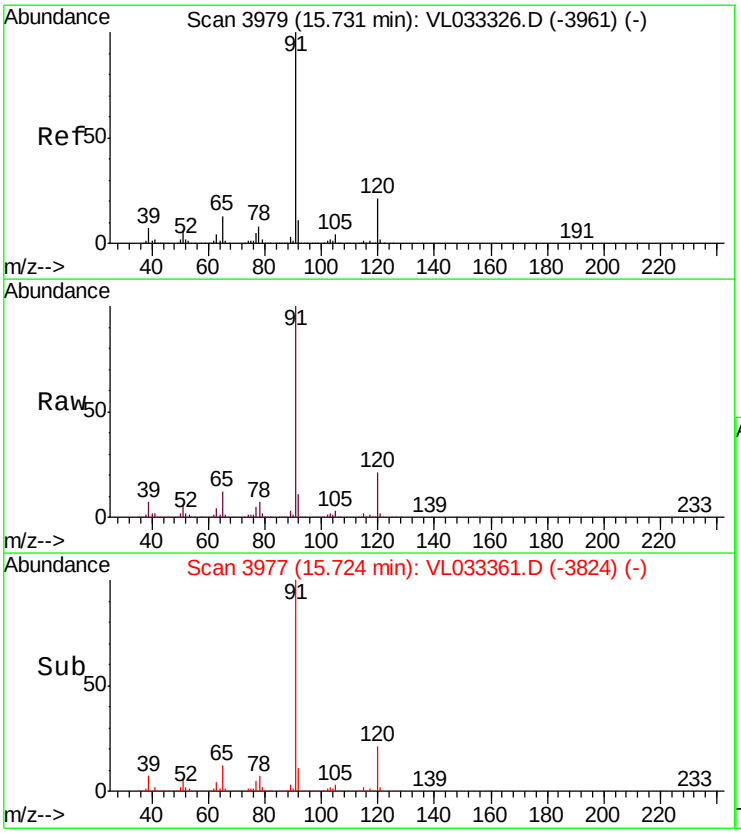
#63
1,1,2,2-Tetrachloroethane
Concen: 7.920 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 83 Resp: 1669846

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	64.5	32.5	97.4

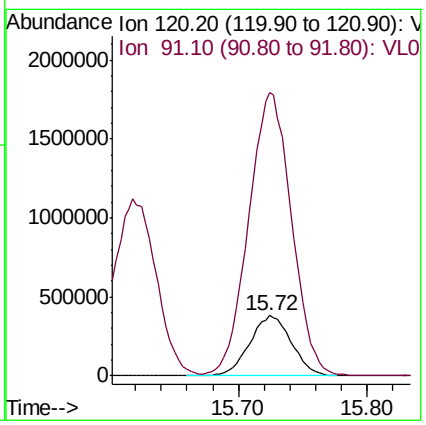


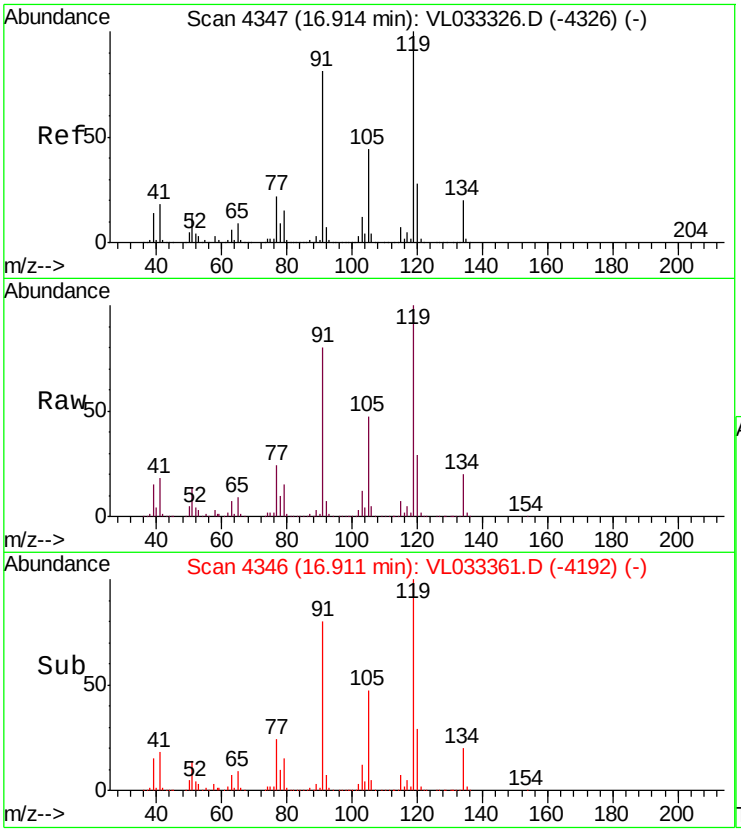


#64
n-propylbenzene
Concen: 8.364 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:120 Resp: 858197

Ion	Ratio	Lower	Upper
120	100		
91	484.4	389.8	584.6



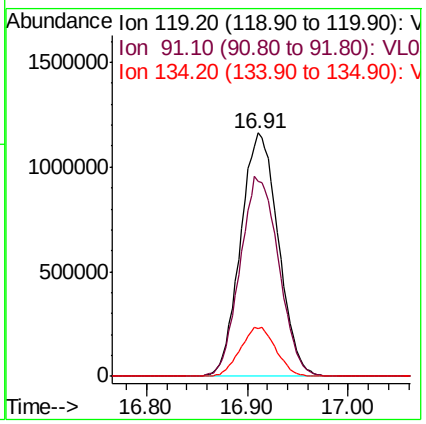


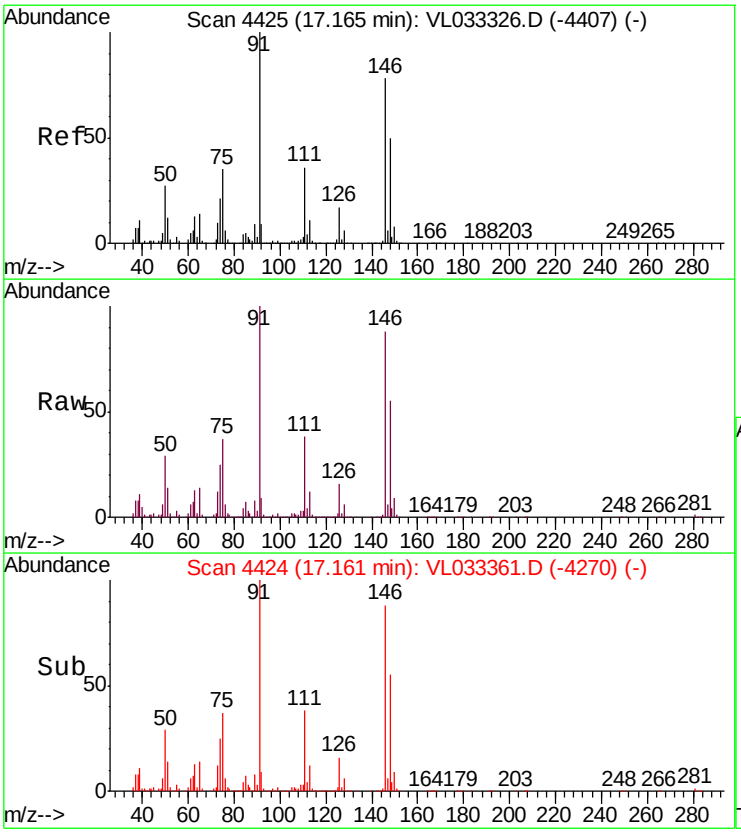
#65
tert-Butylbenzene
Concen: 8.246 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:119 Resp: 3010310

Ion	Ratio	Lower	Upper
119	100		
91	84.2	67.2	100.8
134	19.1	15.4	23.2

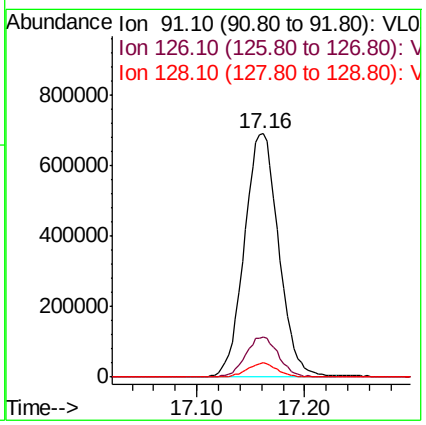


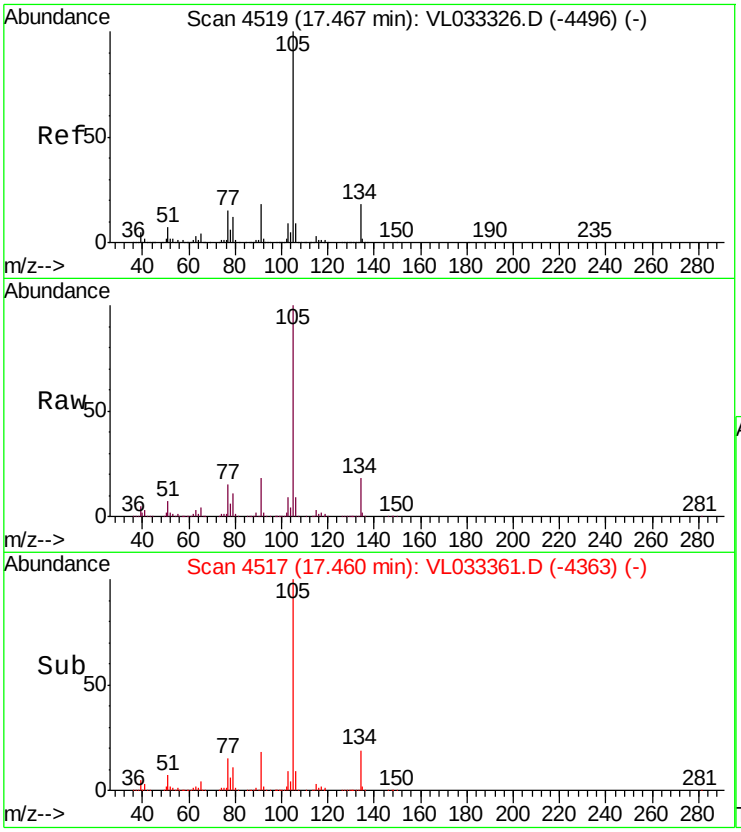


#66
Benzyl Chloride
Concen: 10.144 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 1530405

Ion	Ratio	Lower	Upper
91	100		
126	15.9	13.2	19.8
128	5.2	4.2	6.4



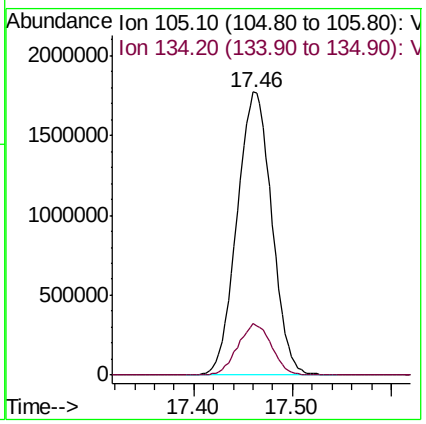


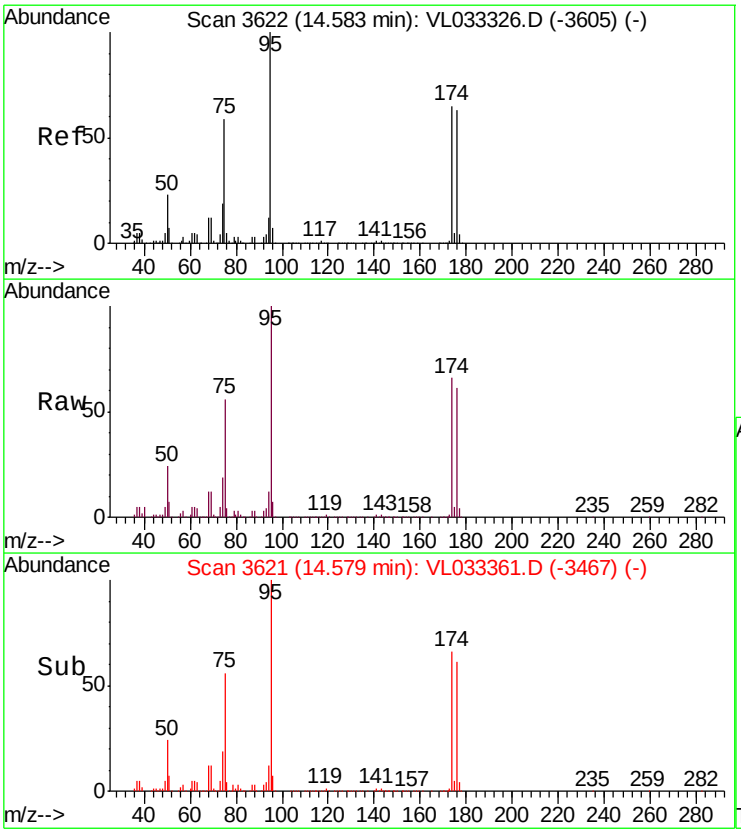
#67
sec-Butylbenzene
Concen: 8.348 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:105 Resp: 4318445

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.4

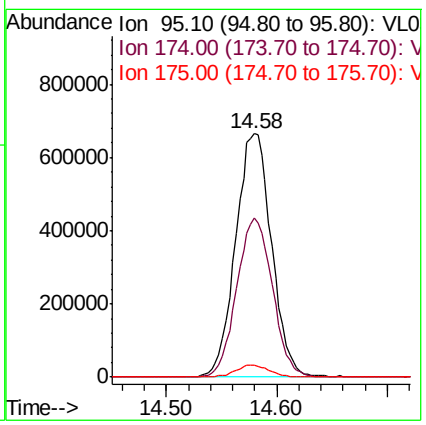


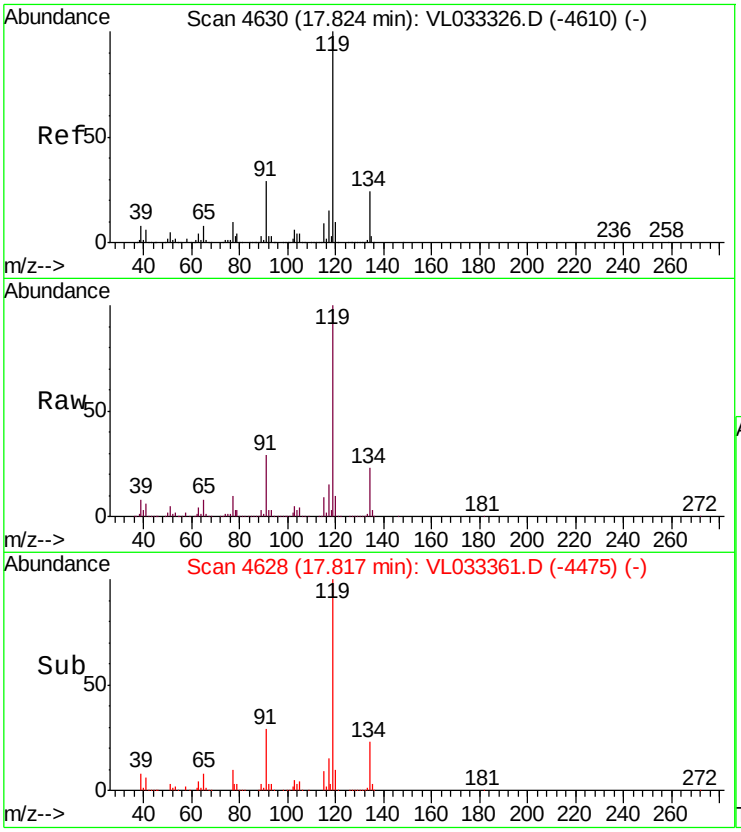


#68
1-Bromo-4-Fluorobenzene
Concen: 8.236 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 95 Resp: 1500913

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.5	77.3
175	4.8	3.8	5.6



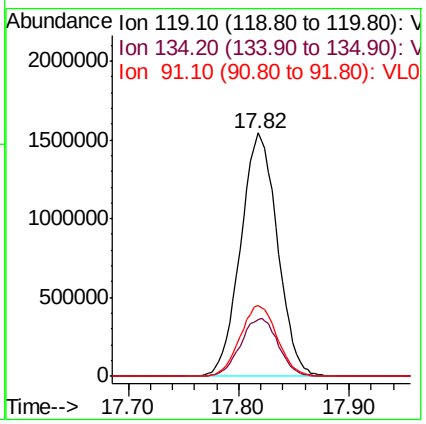


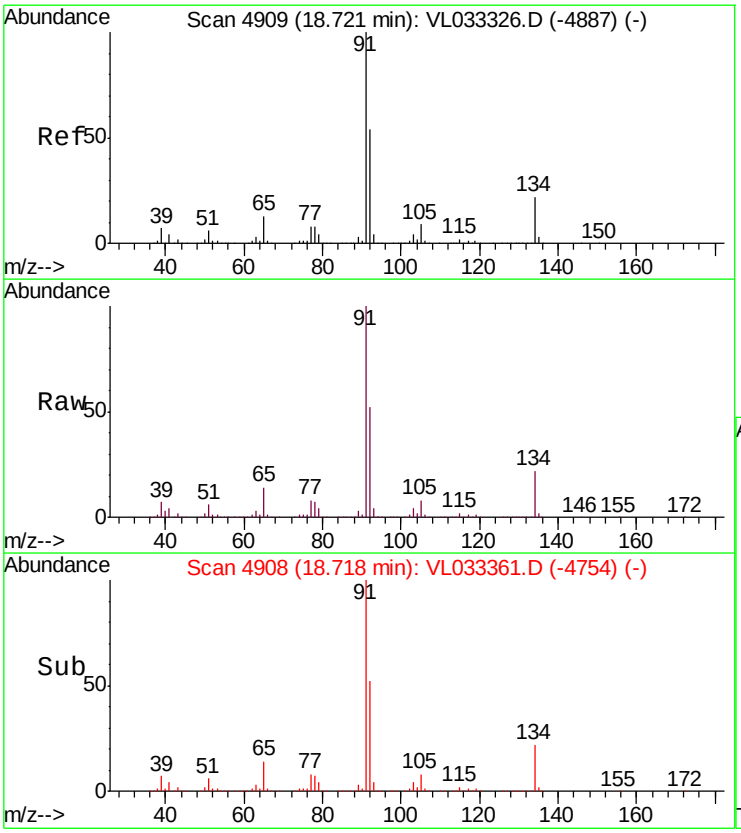
#69
p-Isopropyltoluene
Concen: 8.463 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:119 Resp: 3576944

Ion	Ratio	Lower	Upper
119	100		
134	24.4	19.8	29.6
91	29.3	23.4	35.2

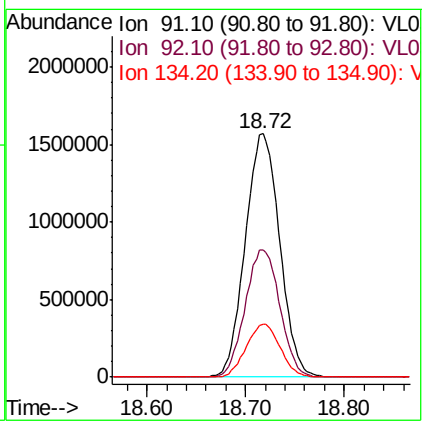


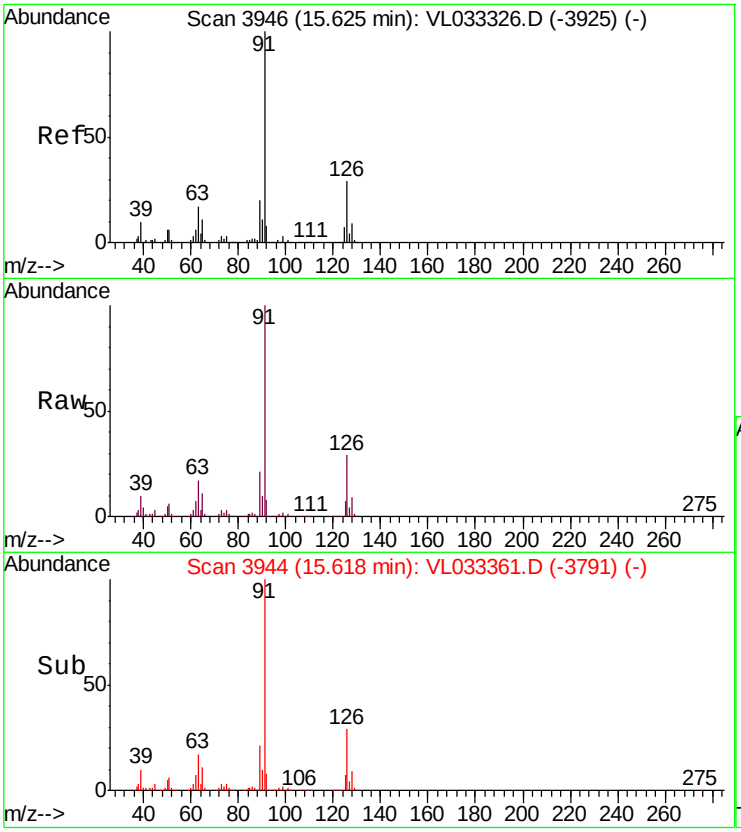


#70
n-Butylbenzene
Concen: 8.376 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion: 91 Resp: 3774807

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.8	64.2
134	21.5	17.4	26.0



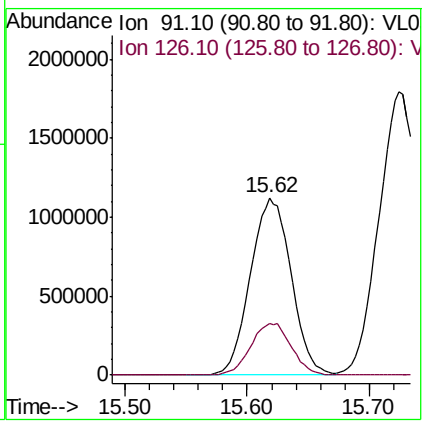


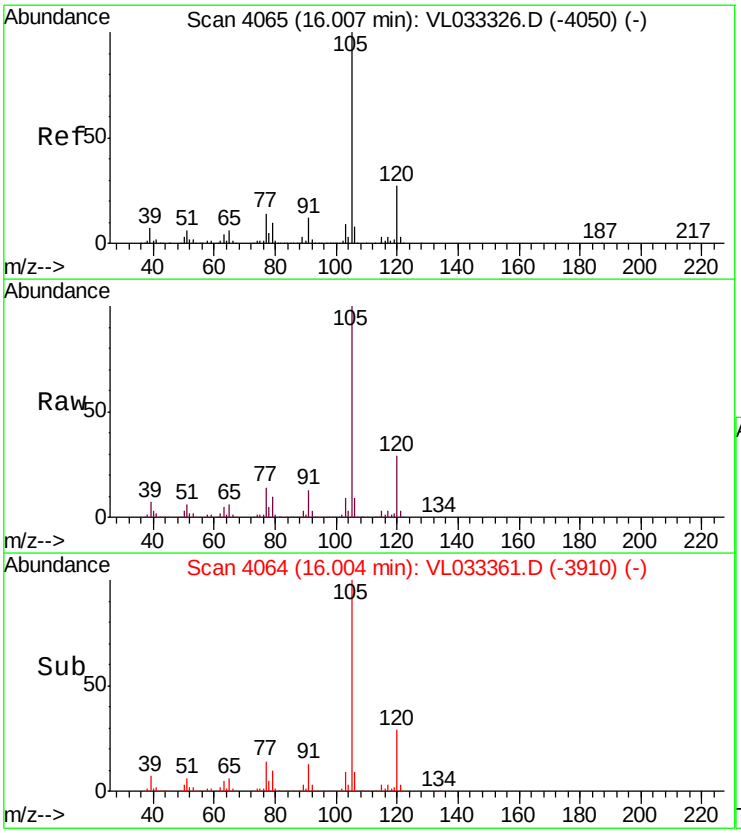
#71
2-Chlorotoluene
Concen: 8.228 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion: 91 Resp: 2597023

Ion	Ratio	Lower	Upper
91	100		
126	29.1	11.6	46.6

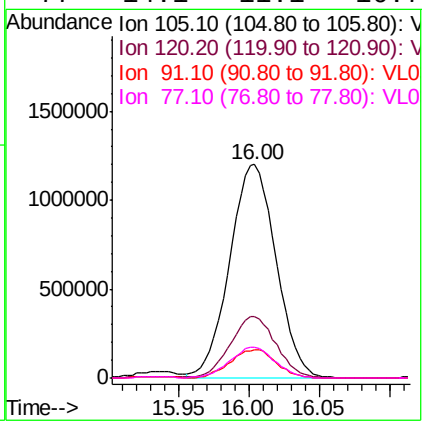


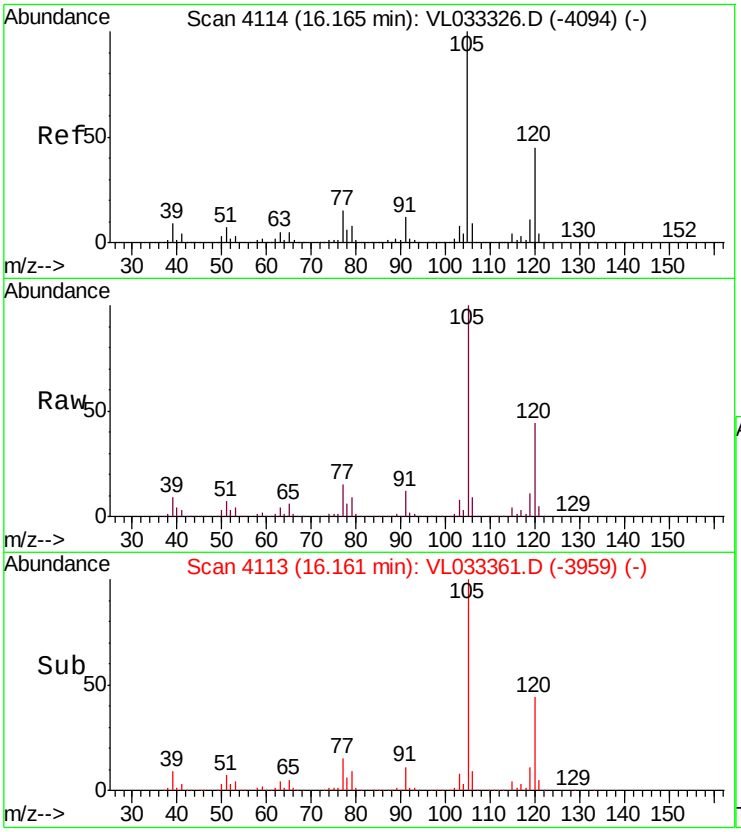


#72
4-Ethyltoluene
Concen: 8.304 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 2750625

Ion	Ratio	Lower	Upper
105	100		
120	28.6	22.9	34.3
91	13.2	10.2	15.2
77	14.1	11.1	16.7



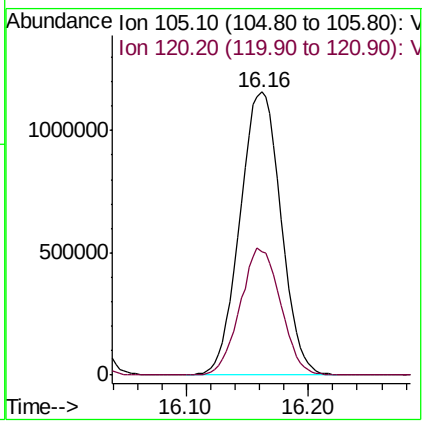


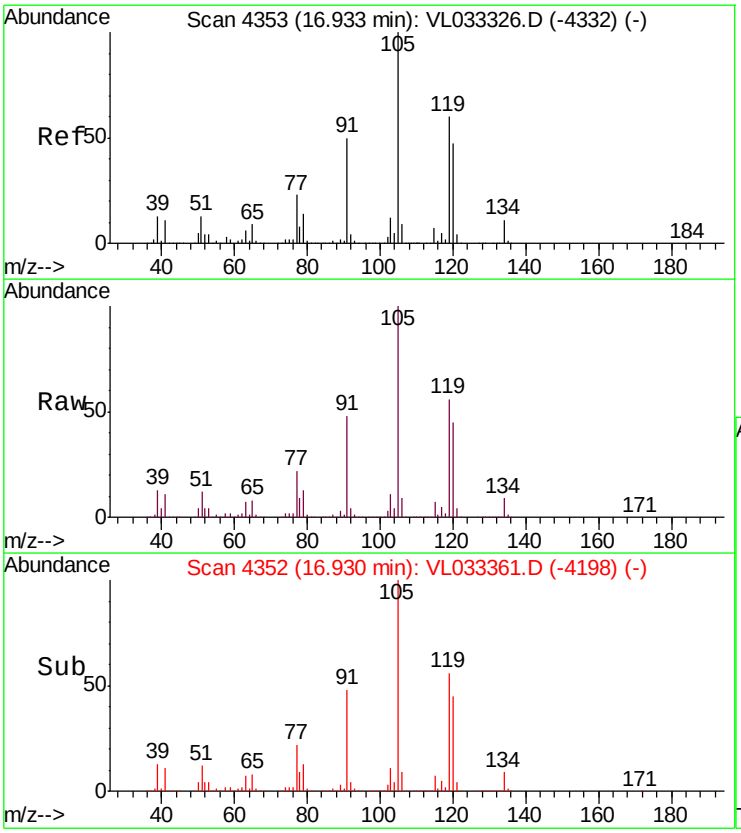
#73
1,3,5-Trimethylbenzene
Concen: 8.312 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:105 Resp: 2681979

Ion	Ratio	Lower	Upper
105	100		
120	43.6	36.2	54.4

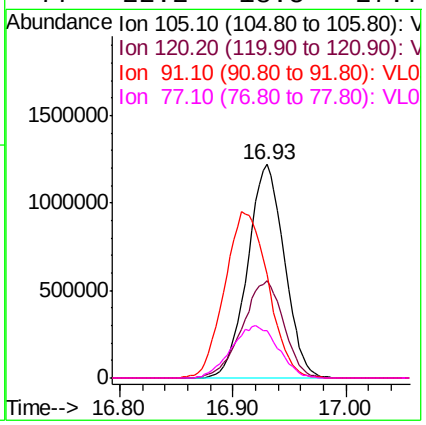


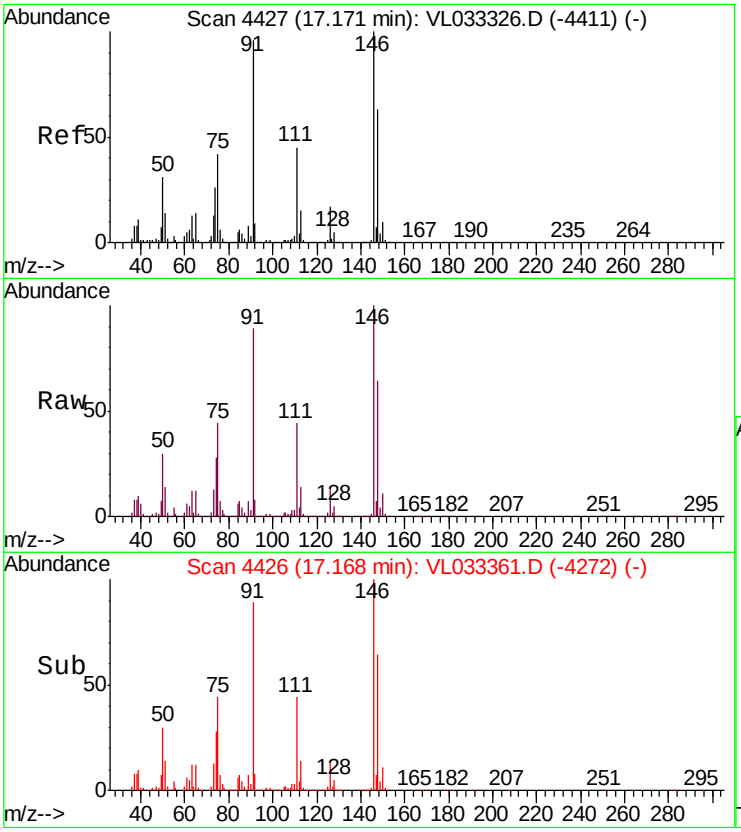


#74
1,2,4-Trimethylbenzene
Concen: 8.070 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:105 Resp: 2758022

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.4	56.2
91	48.2	41.0	61.4
77	22.2	18.5	27.7



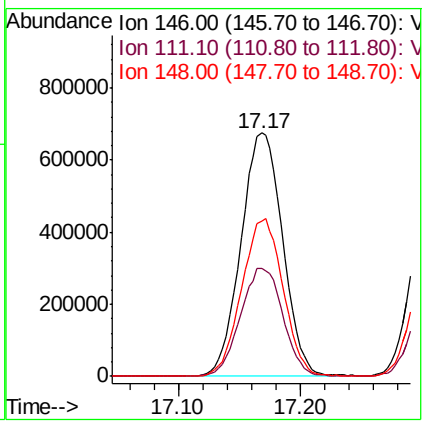


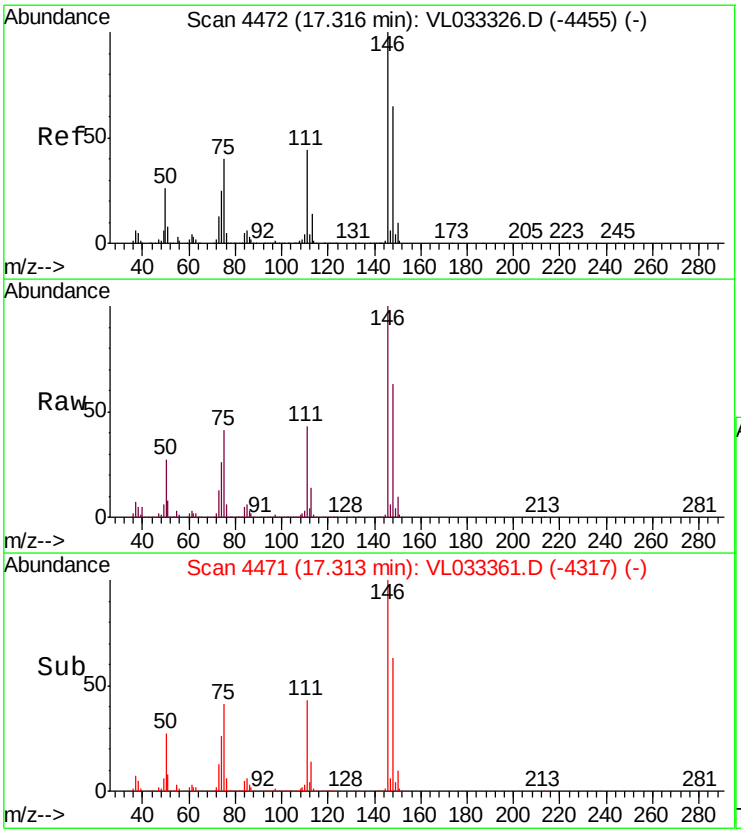
#75
1,3-Dichlorobenzene
Concen: 7.919 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:146 Resp: 1595036

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	64.2	31.9	95.7

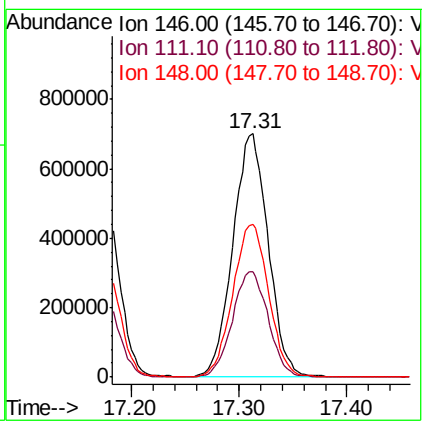


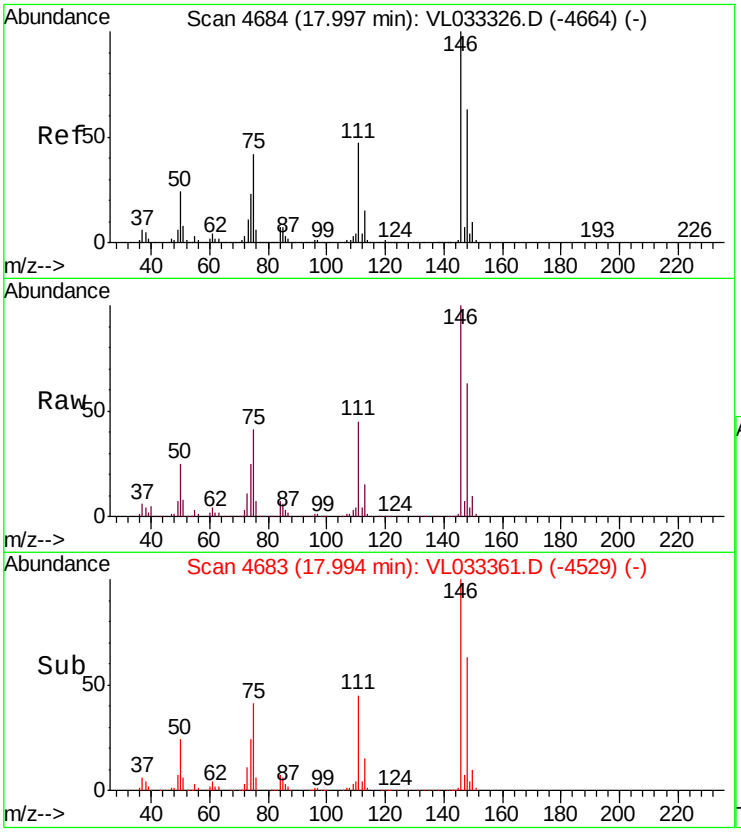


#76
1,4-Dichlorobenzene
Concen: 8.204 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:146 Resp: 1599853

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.7
148	63.9	32.1	96.5



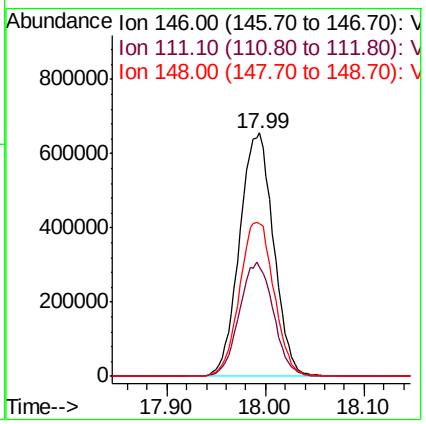


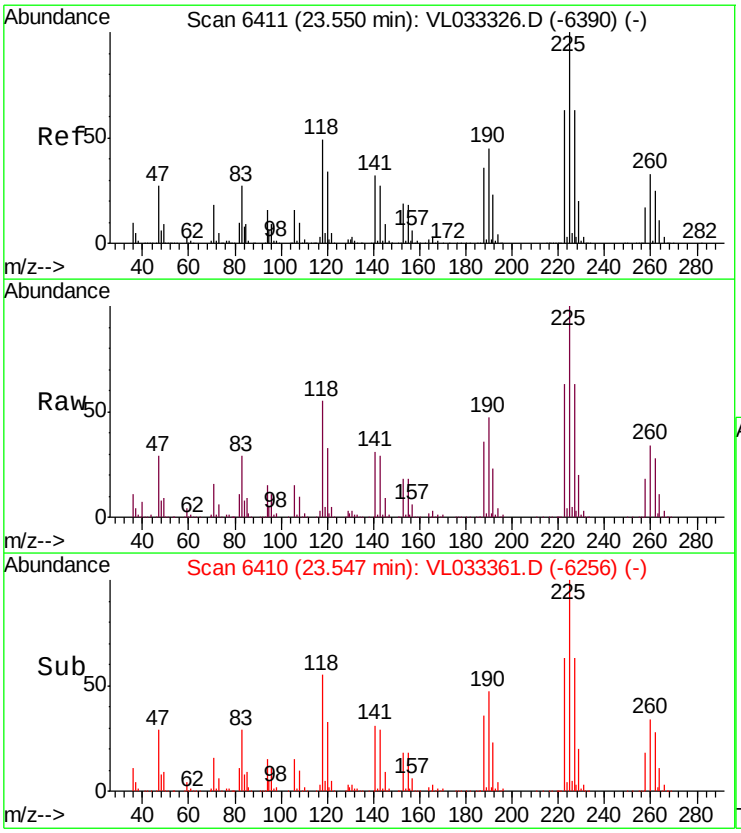
#77
1,2-Dichlorobenzene
Concen: 8.193 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument : MSVOA_L
ClientSampleId : VL0318ABS01

Tgt Ion:146 Resp: 1562993

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.5	70.6
148	64.3	31.9	95.9

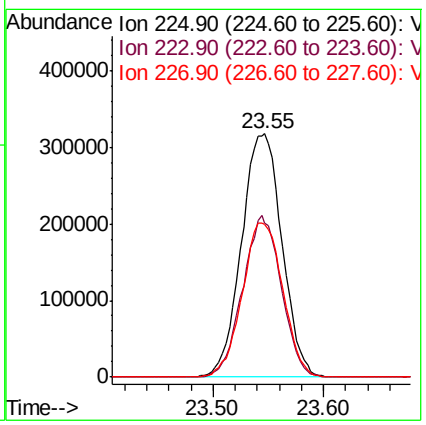


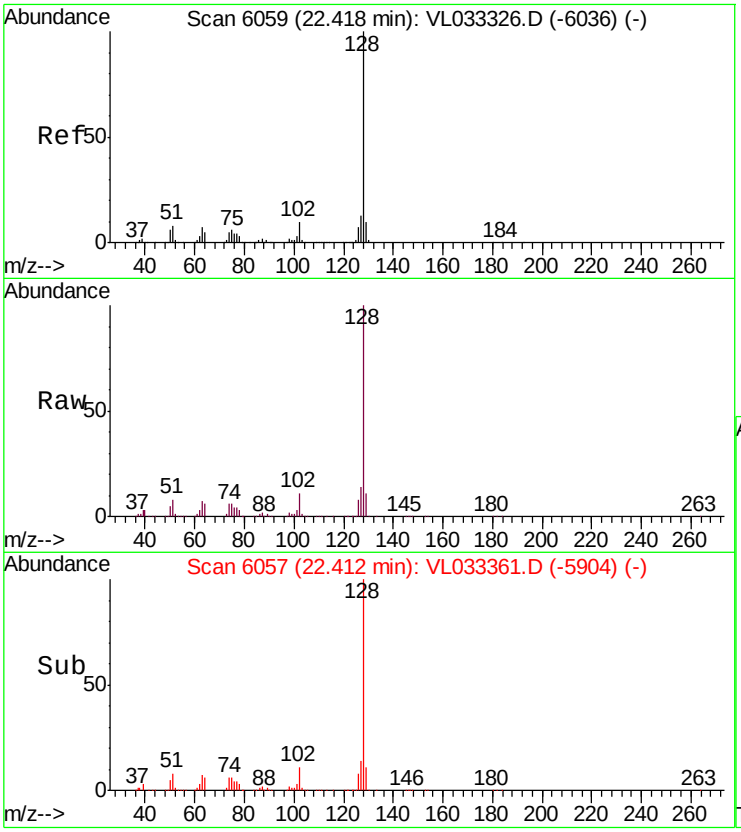


#78
Hexachloro-1,3-Butadiene
Concen: 7.057 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:225 Resp: 807136

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.4	75.6
227	63.5	50.5	75.7



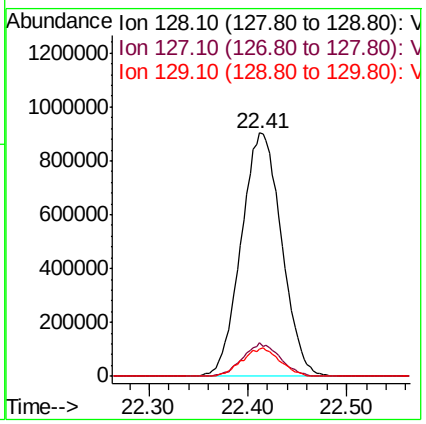


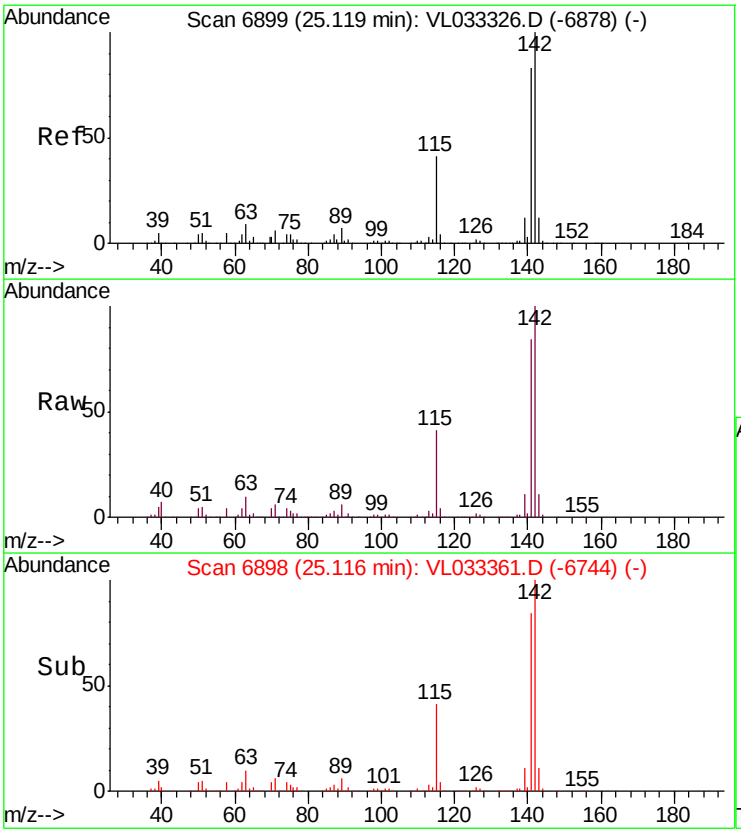
#79
Naphthalene
Concen: 7.771 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.01 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:128 Resp: 2559094

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	11.1	8.2	12.2

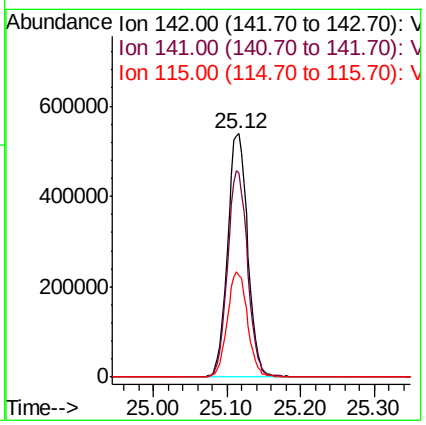


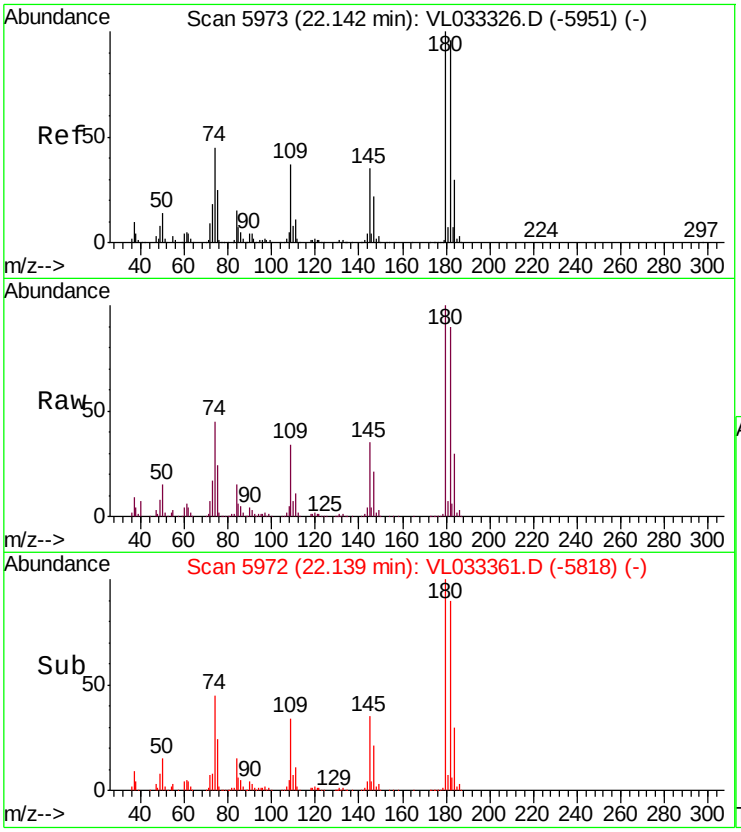


#80
Naphthalene,2-methyl-
Concen: 6.543 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Tgt Ion:142 Resp: 1021677

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.1	100.7
115	43.4	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 7.813 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033361.D
Acq: 18 Mar 2019 16:49

Instrument :
MSVOA_L
ClientSampleId :
VL0318ABS01

Tgt Ion:180 Resp: 1312098

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
184	30.9	24.6	37.0