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

Quantitation Report (Not Reviewed)

Data File : VL033359.D
Acq On : 18 Mar 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 19 06:51:10 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	789362	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1790091	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2540890	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1550838	8.24	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1078351	7.768	ppbv	98
3) Chlorodifluoromethane	3.01	51	911437	10.060	ppbv	99
4) Chloromethane	3.17	50	489455	9.977	ppbv	99
5) Vinyl Chloride	3.29	62	487978	9.642	ppbv	98
6) Bromomethane	3.51	94	308867	10.267	ppbv	98
7) Chloroethane	3.60	64	180624	10.213	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1190520	10.074	ppbv	100
9) Propene	3.04	41	390993	9.667	ppbv	100
10) Heptane	8.25	43	1011411	10.082	ppbv	99
11) Trichlorofluoromethane	4.00	101	1376836	9.961	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	899064	9.803	ppbv	100
13) Ethanol	3.65	45	92661	4.806	ppbv	100
14) Bromoethene	3.79	108	390136	10.206	ppbv	100
15) Acetone	3.90	43	878299	7.158	ppbv	100
16) 1,3-Butadiene	3.36	39	433110	10.867	ppbv	93
17) tert-Butyl alcohol	4.35	59	192453	11.145	ppbv	100
18) 1,1-Dichloroethene	4.35	96	402965	9.609	ppbv	98
19) Isopropyl Alcohol	4.02	45	653424	11.195	ppbv	99
20) Methylene Chloride	4.41	84	330713	8.264	ppbv	96
21) Allyl Chloride	4.48	41	611576	10.275	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	408278	10.046	ppbv	99
23) Vinyl Acetate	5.15	43	1445345	10.180	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1022190	9.969	ppbv	100
25) Ethyl Acetate	5.77	43	1708986	9.581	ppbv	100
26) Hexane	5.78	57	754660	9.464	ppbv	99
27) Carbon Disulfide	4.62	76	1002920	10.925	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1202686	10.154	ppbv	100
29) Chloroform	5.85	83	1302745	9.977	ppbv	97
30) Cyclohexane	7.25	84	637910	9.978	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	808199	10.137	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1287076	10.040	ppbv	100
34) 2-Butanone	5.33	43	1124604	9.566	ppbv	99
35) Carbon Tetrachloride	7.14	117	1340566	10.622	ppbv	99
36) Benzene	7.00	78	1588109	9.913	ppbv	99
37) 1,2-Dichloroethane	6.41	62	995057	9.823	ppbv	99
38) Trichloroethene	7.96	130	605812	9.993	ppbv	98
39) 1,2-Dichloropropane	7.74	63	604434	10.075	ppbv	97
40) 1,4-Dioxane	7.96	88	210054	9.943	ppbv	98
41) Tetrahydrofuran	6.15	42	644024	10.266	ppbv	99
42) Bromodichloromethane	7.92	83	1416039	10.426	ppbv	98
43) Methyl Methacrylate	8.14	69	651130	10.438	ppbv	99

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

Quantitation Report (Not Reviewed)

Data File : VL033359.D
Acq On : 18 Mar 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 19 06:51:10 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	2684267	10.116	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	885717	11.501	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	996505	10.989	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	668765	10.089	ppbv		96
48) Dibromochloromethane	10.45	129	1204524	10.835	ppbv		100
49) Bromoform	13.20	173	1217936	11.549	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	1656580	9.976	ppbv		100
51) 2-Hexanone	10.27	43	1317030	10.280	ppbv	#	99
52) Tetrachloroethene	11.38	164	661344	9.909	ppbv		98
53) Toluene	9.95	91	1887813	10.371	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1061292	9.471	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	966653	8.504	ppbv		94
57) Chlorobenzene	12.30	112	1582816	7.865	ppbv		98
58) Ethyl Benzene	12.87	91	3016985	8.394	ppbv		99
59) m/p-Xylene	13.13	91	2665515	8.629	ppbv	#	100
60) o-Xylene	13.85	91	2505292	8.313	ppbv		100
61) Styrene	13.69	104	1828929	8.668	ppbv		100
62) Isopropylbenzene	14.83	105	3483160	8.314	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1723428	7.911	ppbv		99
64) n-propylbenzene	15.72	120	888860	8.384	ppbv		100
65) tert-Butylbenzene	16.91	119	3099110	8.216	ppbv		100
66) Benzyl Chloride	17.16	91	1579306	10.132	ppbv		99
67) sec-Butylbenzene	17.46	105	4426943	8.283	ppbv		100
69) p-Isopropyltoluene	17.82	119	3653071	8.366	ppbv		99
70) n-Butylbenzene	18.72	91	3866441	8.304	ppbv		99
71) 2-Chlorotoluene	15.62	91	2699187	8.277	ppbv		100
72) 4-Ethyltoluene	16.00	105	2911122	8.506	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	2776958	8.329	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	2844044	8.055	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	1628306	7.824	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1628845	8.084	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1585056	8.042	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	791509	6.698	ppbv		99
79) Naphthalene	22.42	128	2591026	7.615	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1078045	6.682	ppbv		98
81) 1,2,4-Trichlorobenzene	22.14	180	1342697	7.739	ppbv		100

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

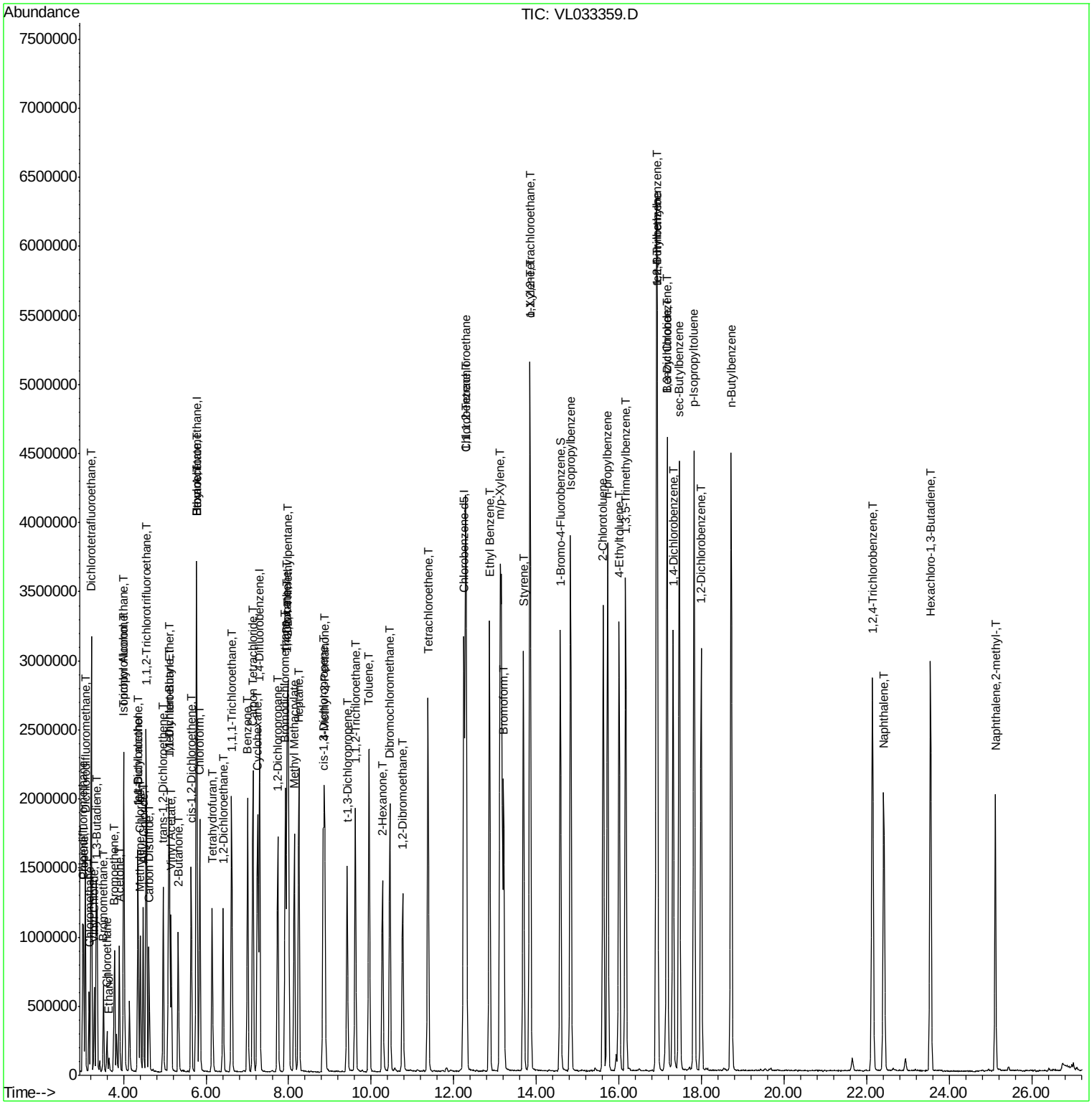
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

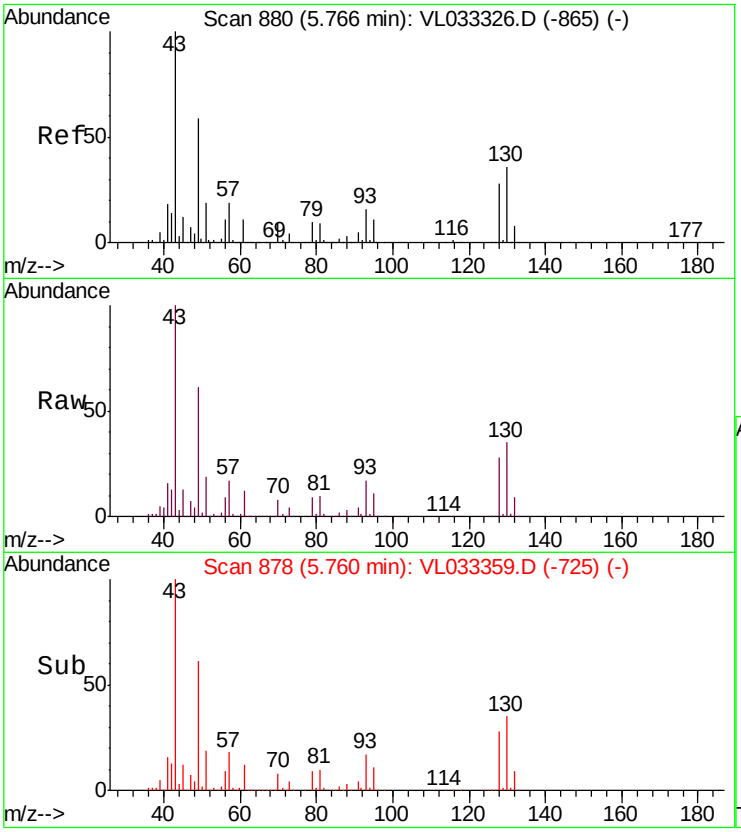
Quantitation Report (Not Reviewed)

Data File : VL033359.D
Acq On : 18 Mar 2019 14:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Mar 19 06:51:10 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



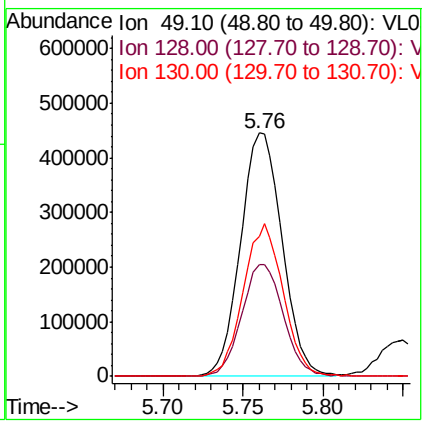


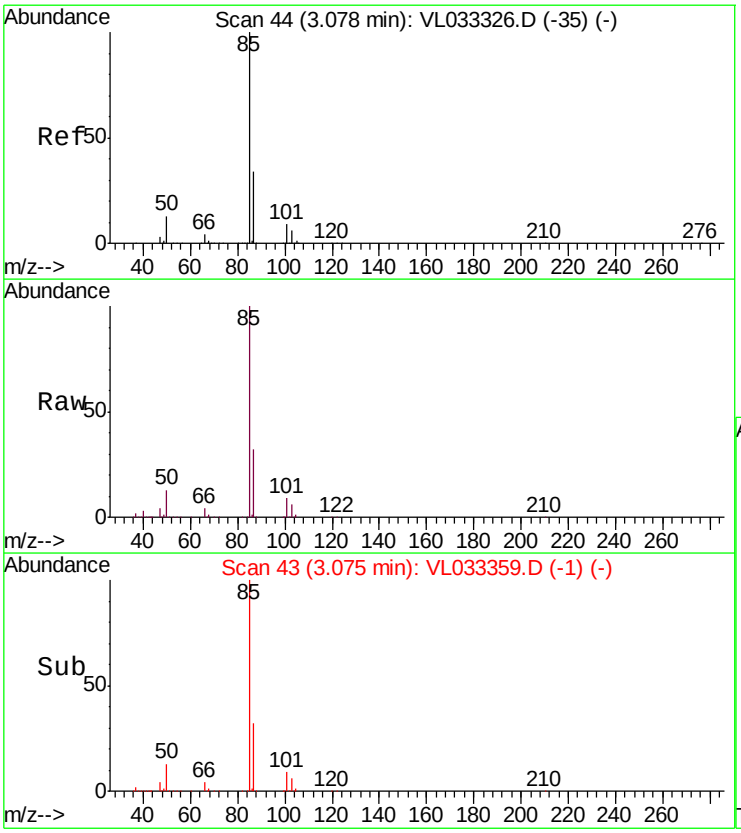
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 789362

Ion	Ratio	Lower	Upper
49	100		
128	46.1	23.5	70.6
130	60.5	30.1	90.3

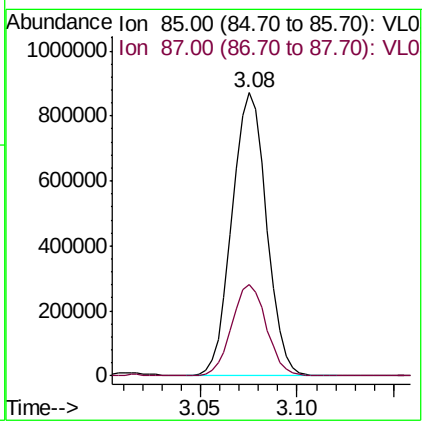


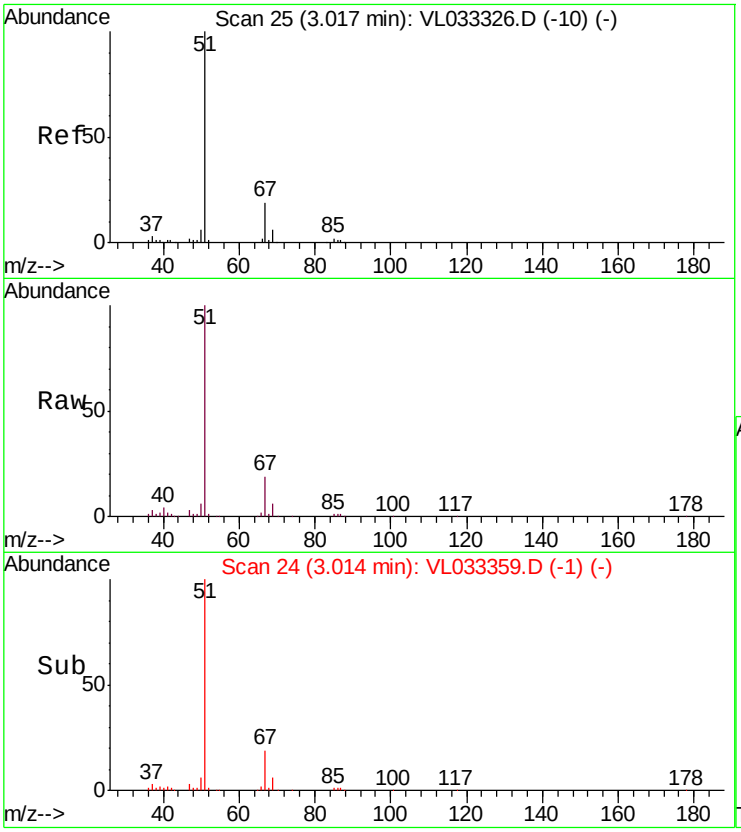


#2
Dichlorodifluoromethane
Concen: 7.768 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 85 Resp: 1078351

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.9	40.3



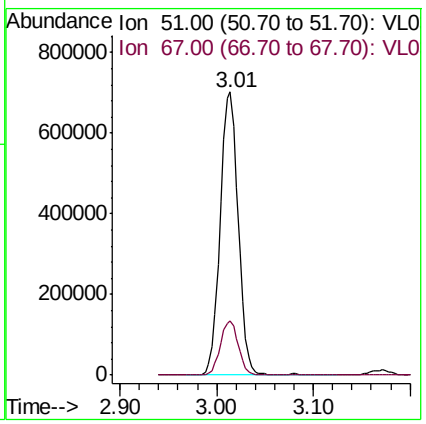


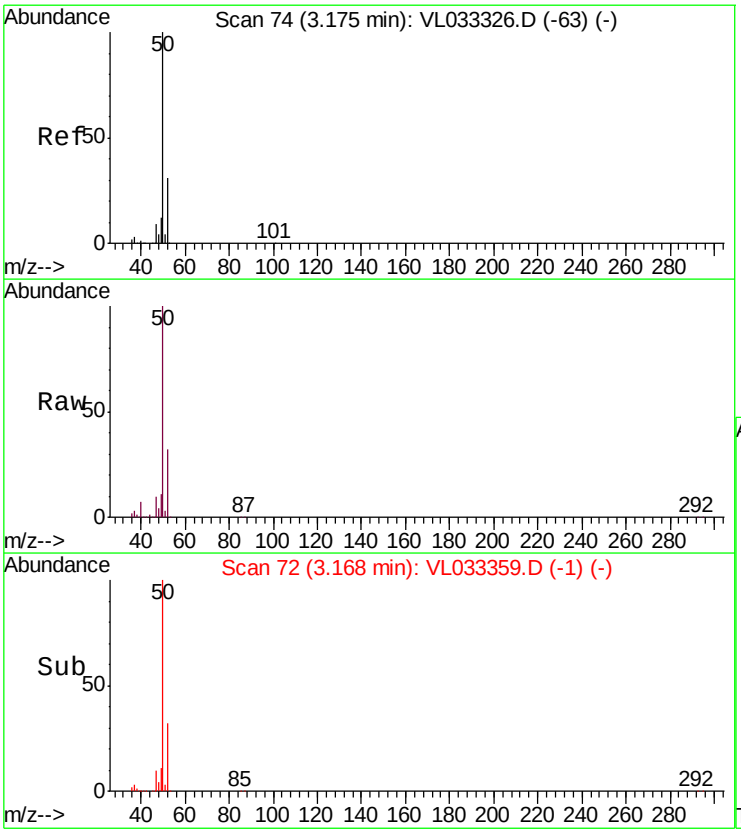
#3
Chlorodifluoromethane
Concen: 10.060 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 51 Resp: 911437

Ion	Ratio	Lower	Upper
51	100		
67	19.1	14.9	22.3

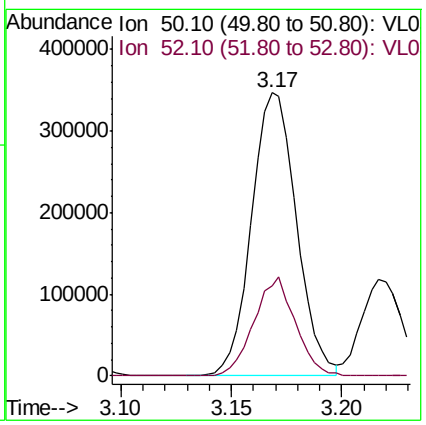


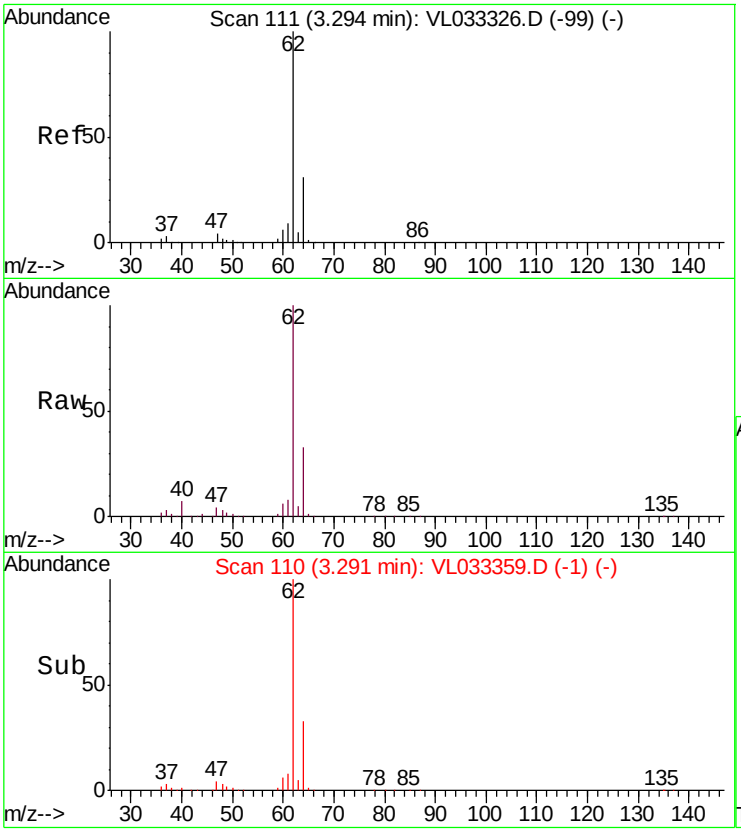


#4
Chloromethane
Concen: 9.977 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 50 Resp: 489455

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.0	37.6



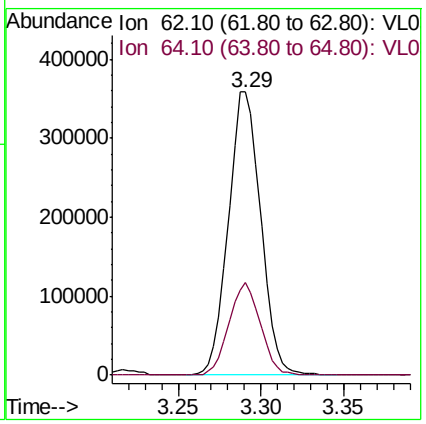


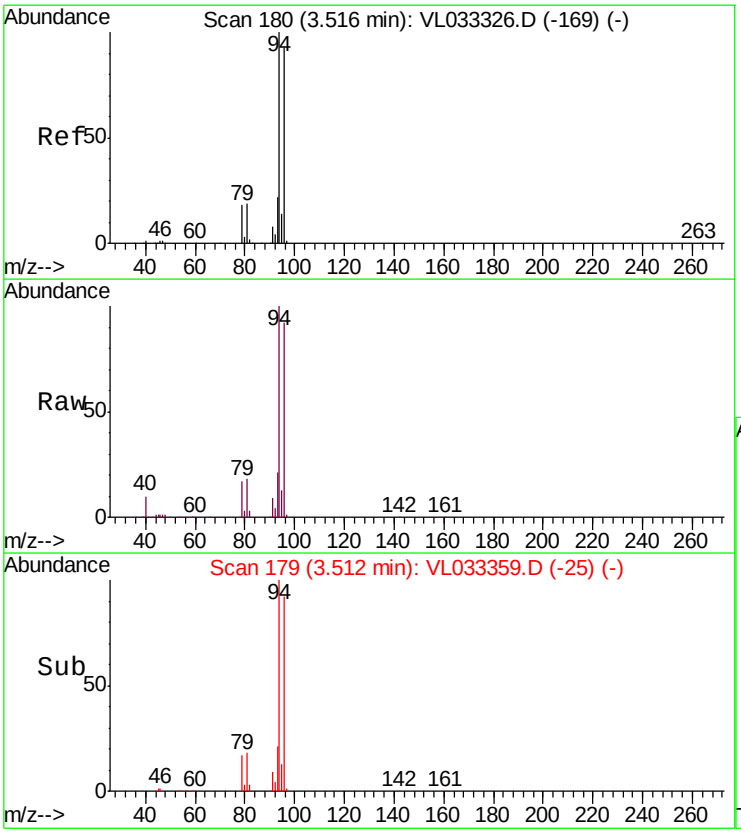
#5
Vinyl Chloride
Concen: 9.642 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 487978

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.0	37.6

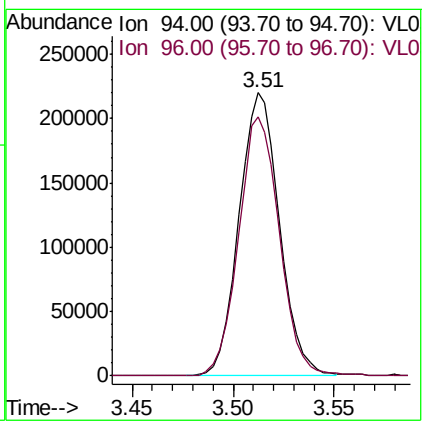


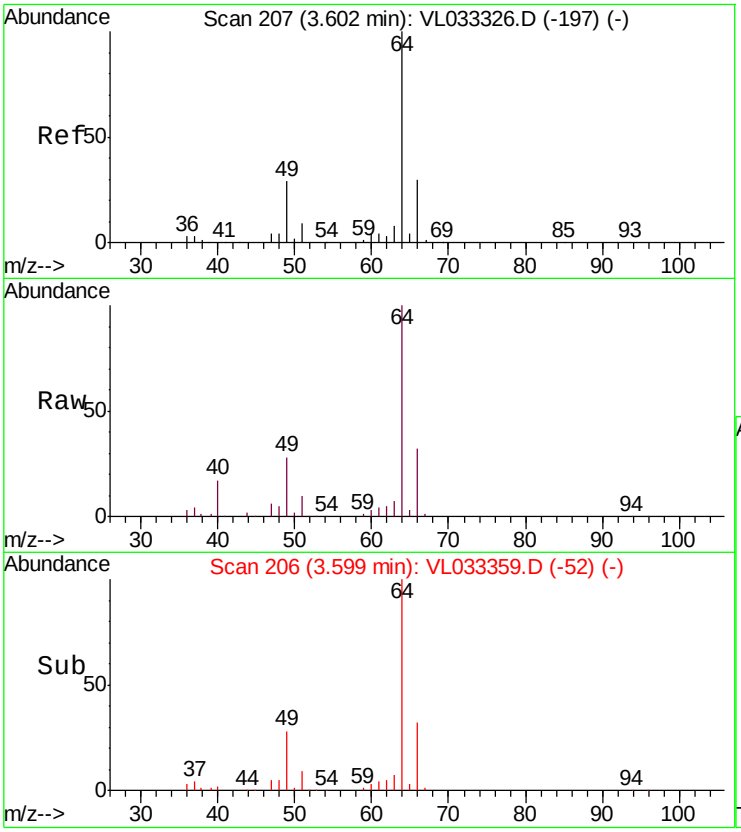


#6
Bromomethane
Concen: 10.267 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 94 Resp: 308867

Ion	Ratio	Lower	Upper
94	100		
96	91.6	74.6	111.8



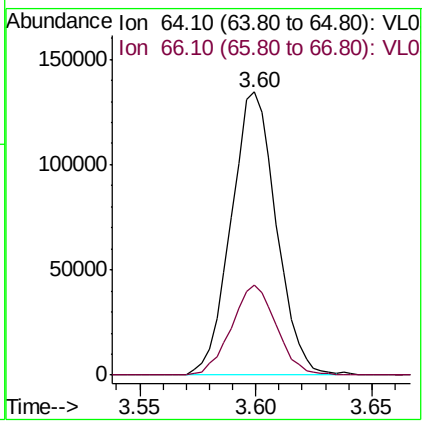


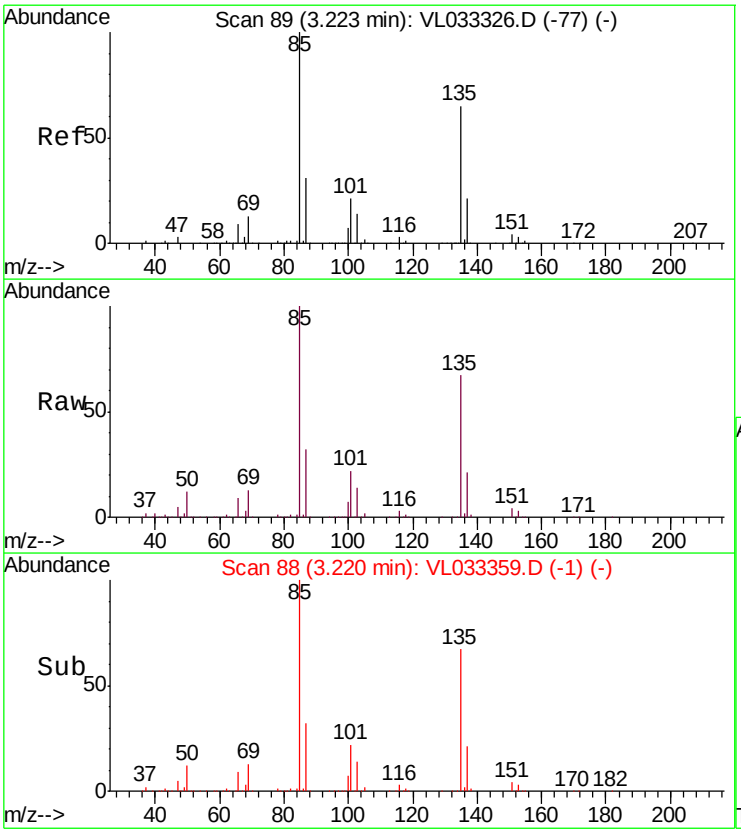
#7
Chloroethane
Concen: 10.213 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 180624

Ion	Ratio	Lower	Upper
64	100		
66	31.9	24.0	36.0

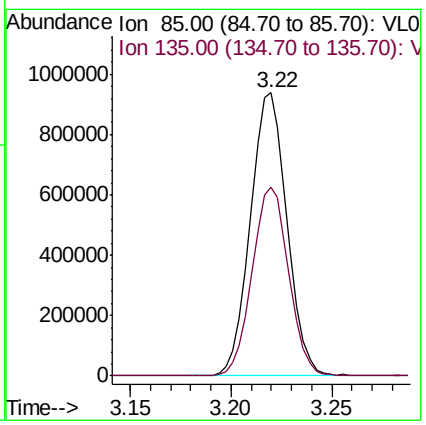


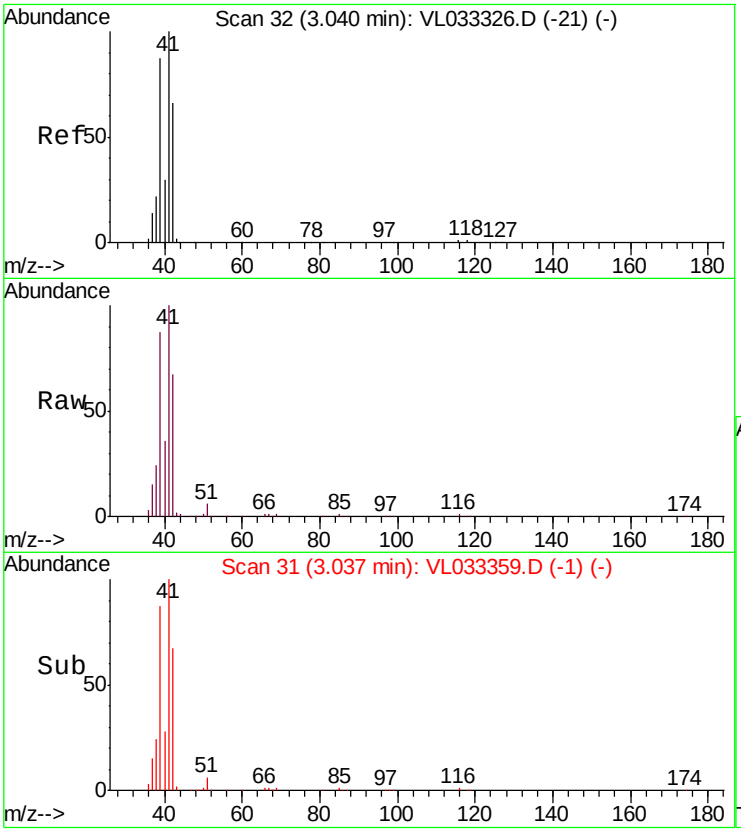


#8
Dichlorotetrafluoroethane
Concen: 10.074 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 85 Resp: 1190520

Ion	Ratio	Lower	Upper
85	100		
135	66.8	53.4	80.2



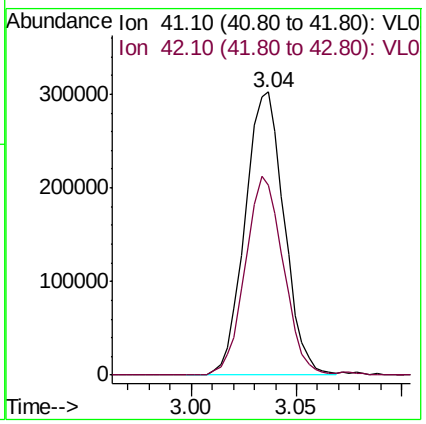


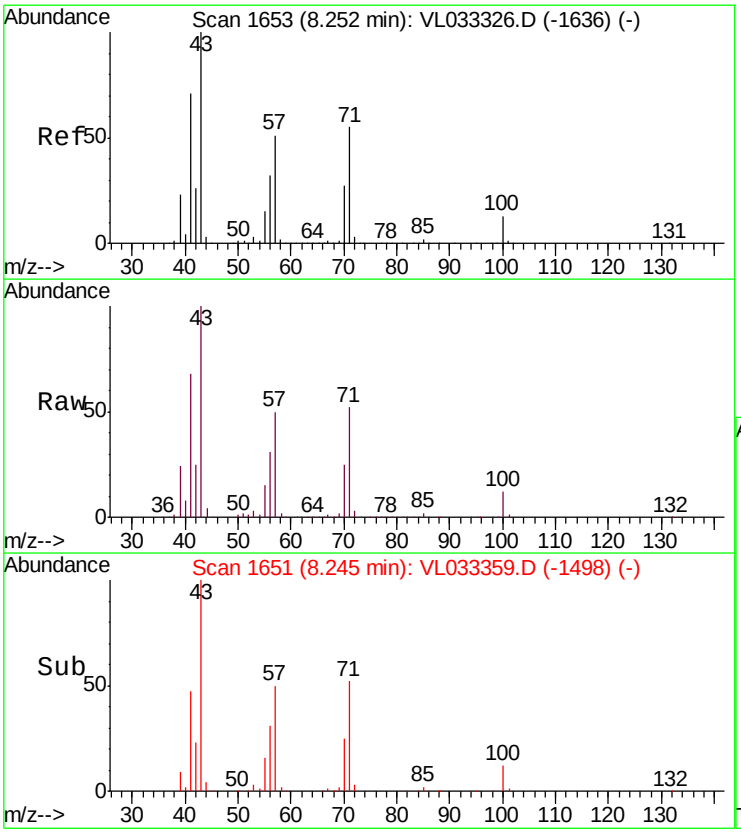
#9
Propene
Concen: 9.667 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 390993

Ion	Ratio	Lower	Upper
41	100		
42	68.8	55.2	82.8

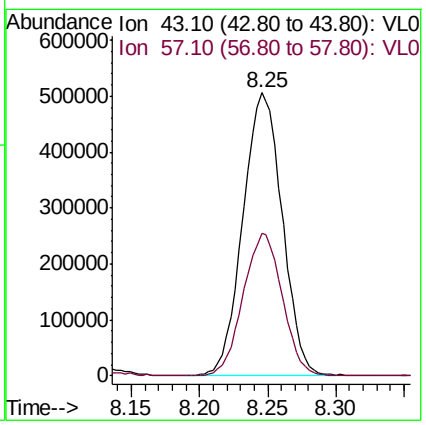


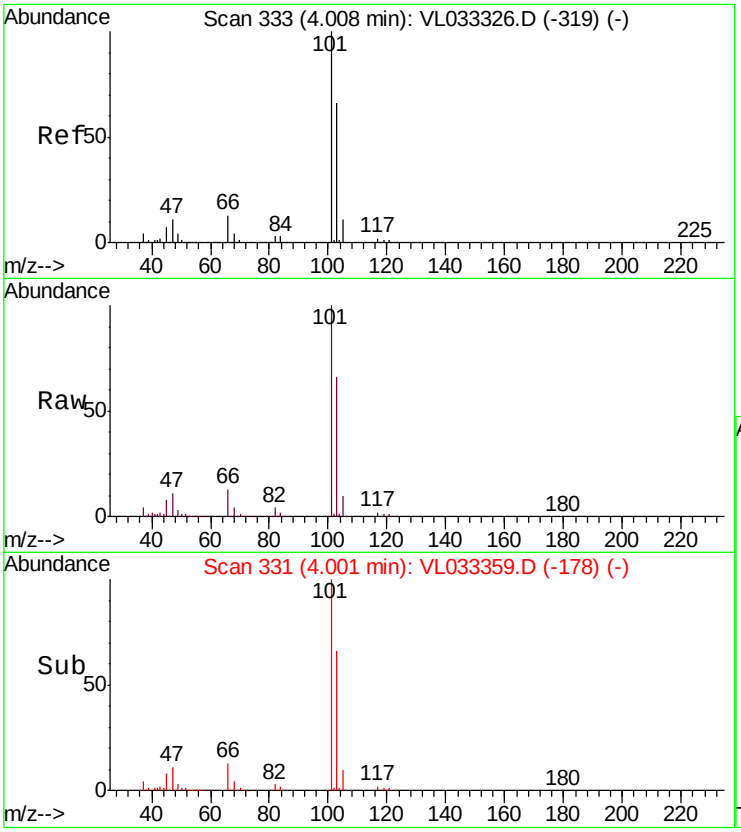


#10
Heptane
Concen: 10.082 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 43 Resp: 1011411

Ion	Ratio	Lower	Upper
43	100		
57	49.9	40.4	60.6



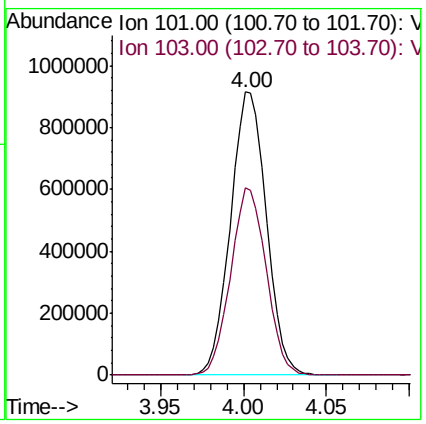


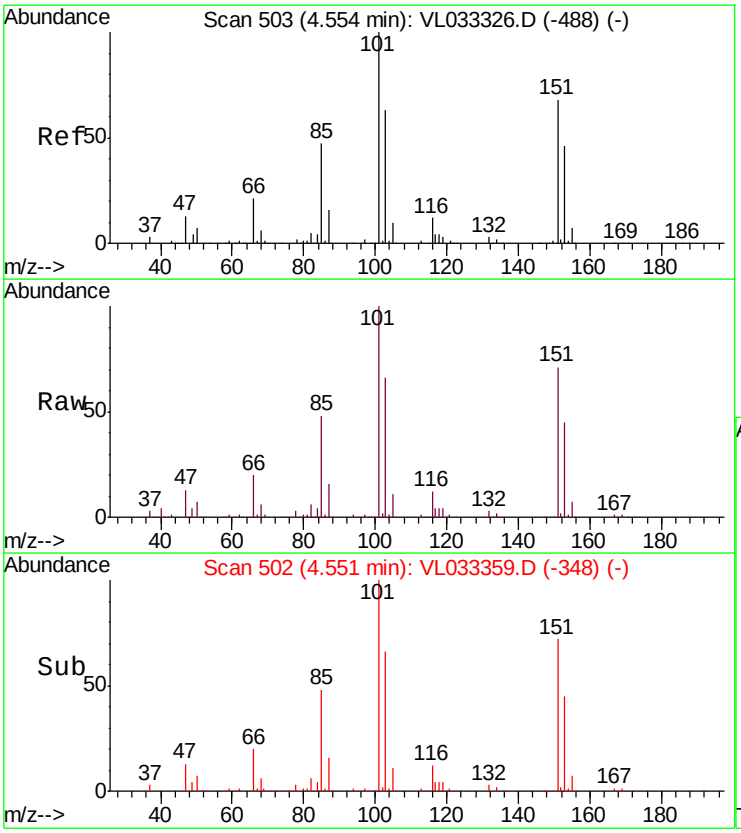
#11
Trichlorofluoromethane
Concen: 9.961 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1376836

Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.9	79.3

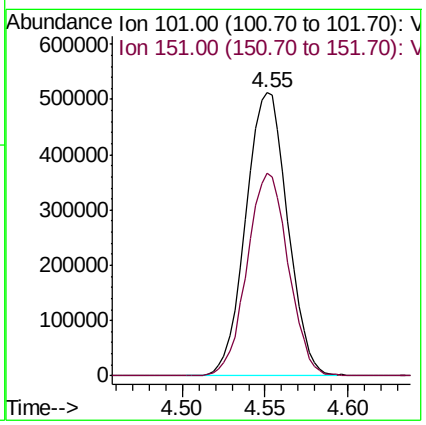


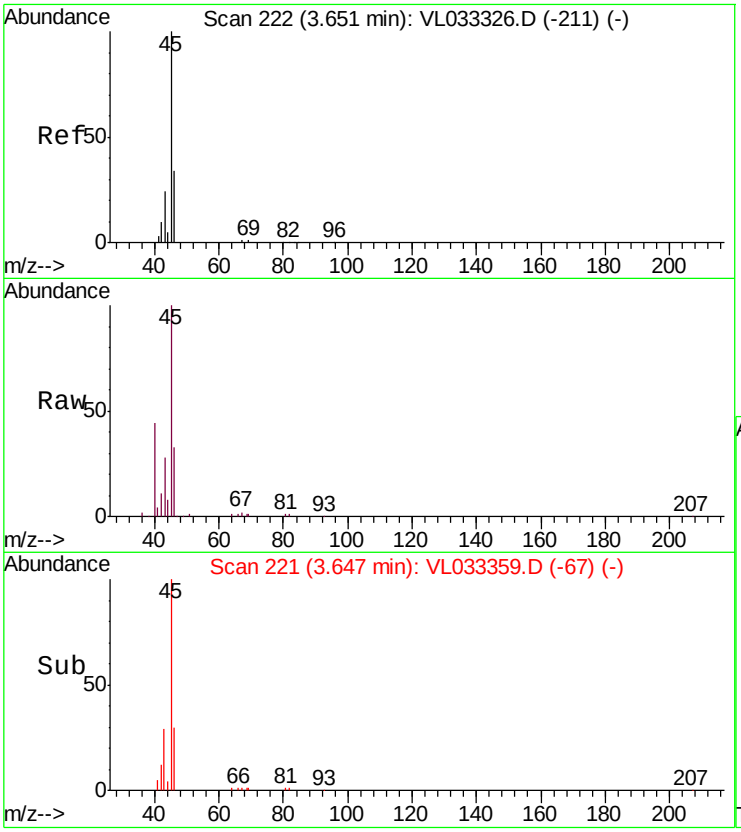


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.803 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:101 Resp: 899064

Ion	Ratio	Lower	Upper
101	100		
151	70.6	56.3	84.5



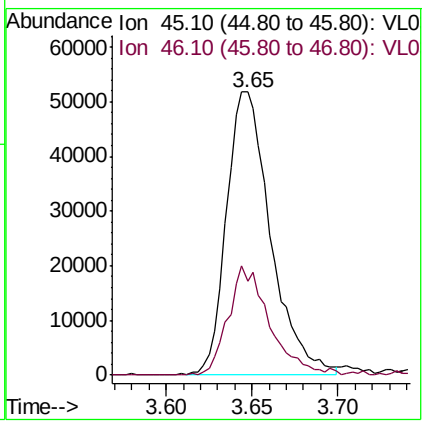


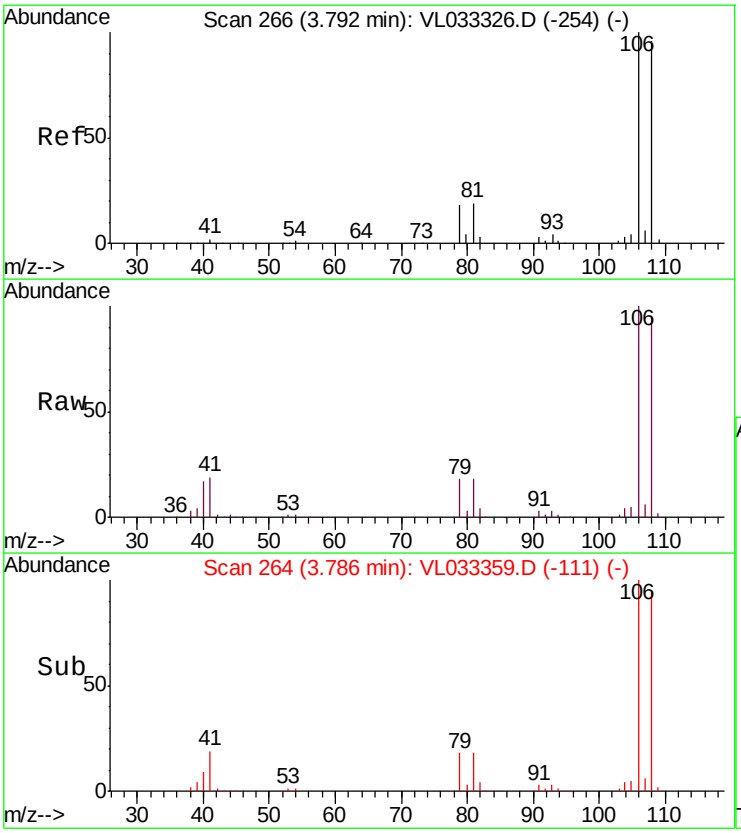
#13
Ethanol
Concen: 4.806 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 92661

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.9	59.7

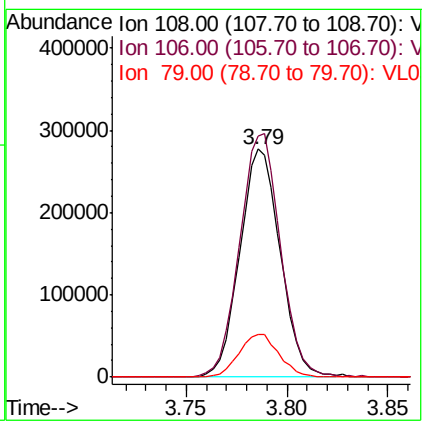


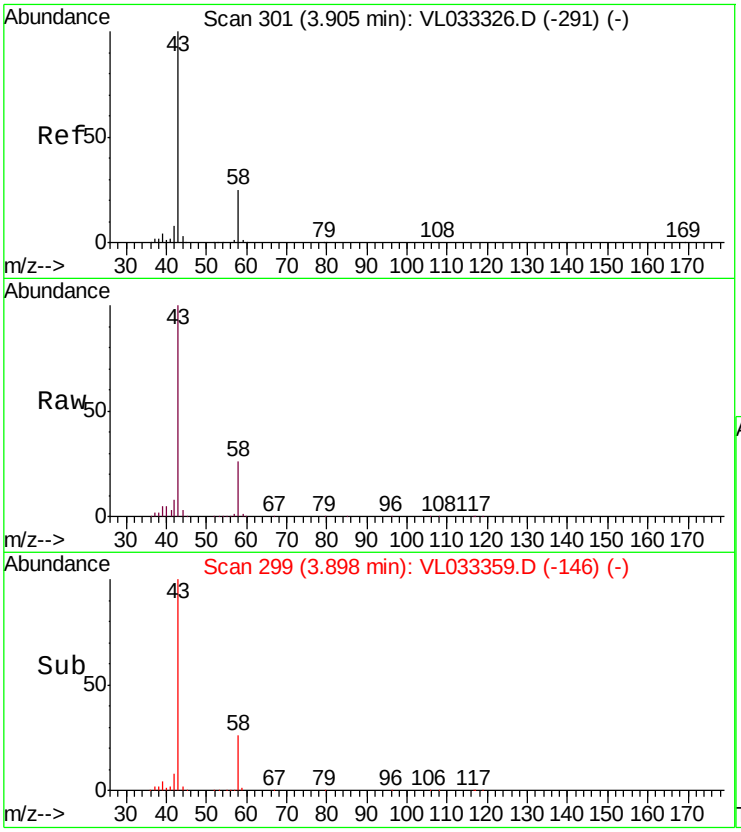


#14
Bromoethene
Concen: 10.206 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:108 Resp: 390136

Ion	Ratio	Lower	Upper
108	100		
106	108.1	86.2	129.2
79	19.0	15.4	23.2



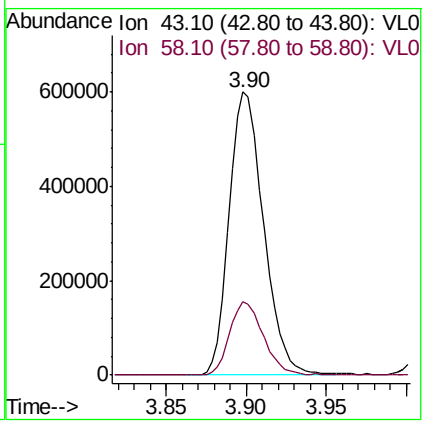


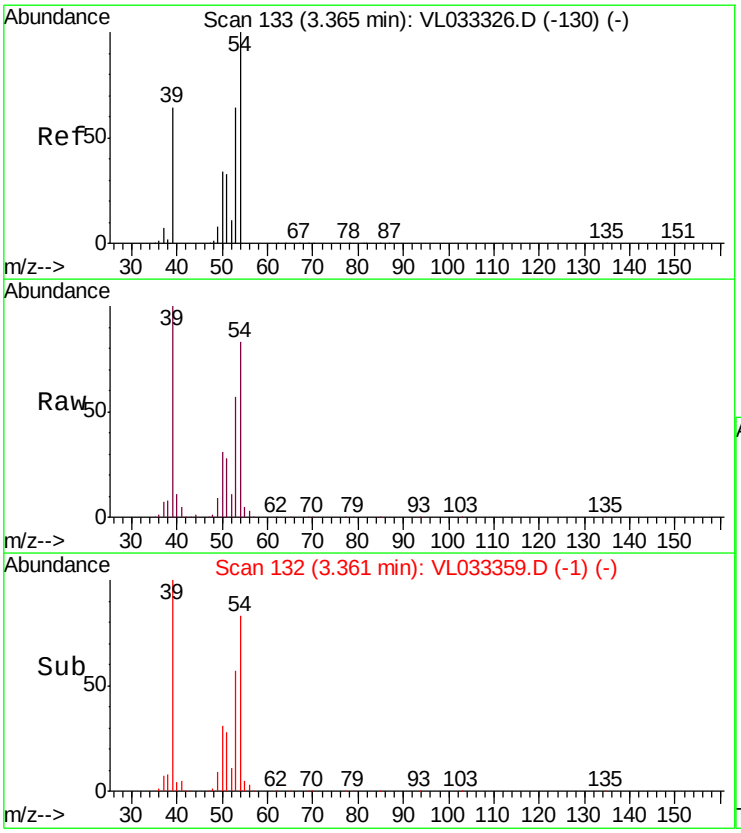
#15
Acetone
Concen: 7.158 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 878299

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.4	30.6

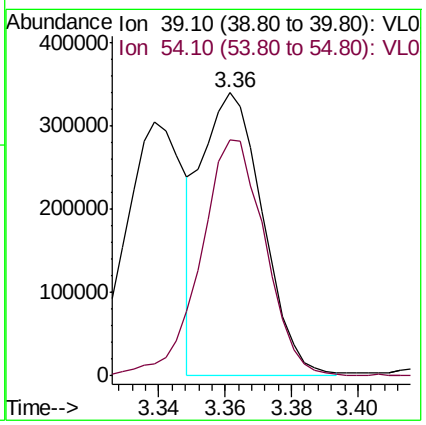


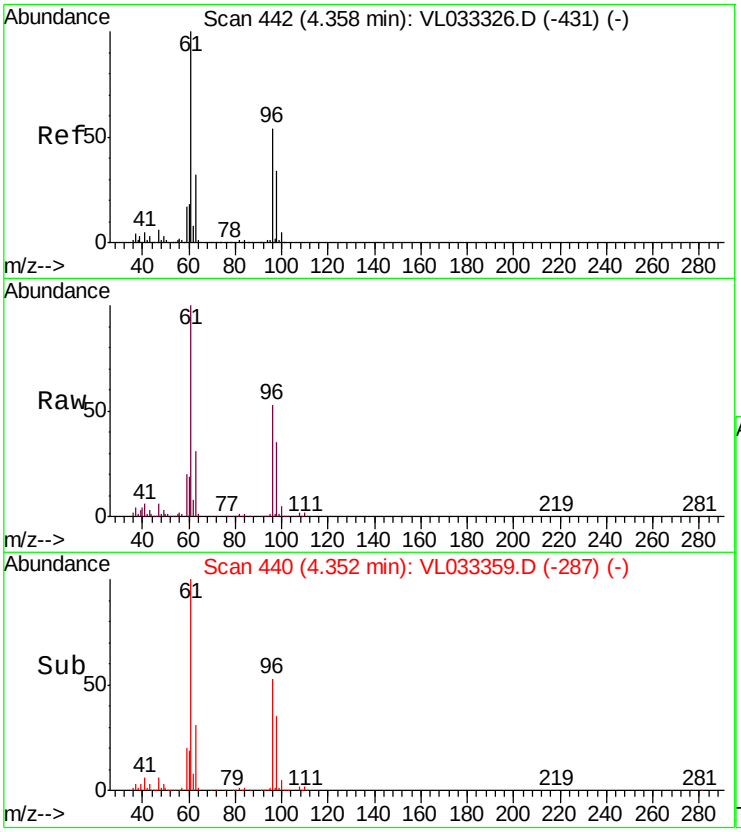


#16
1,3-Butadiene
Concen: 10.867 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 39 Resp: 433110

Ion	Ratio	Lower	Upper
39	100		
54	89.1	76.8	115.2



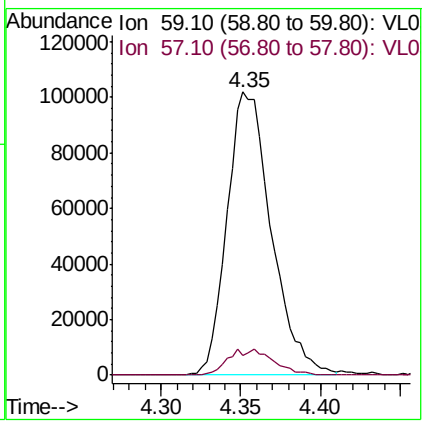


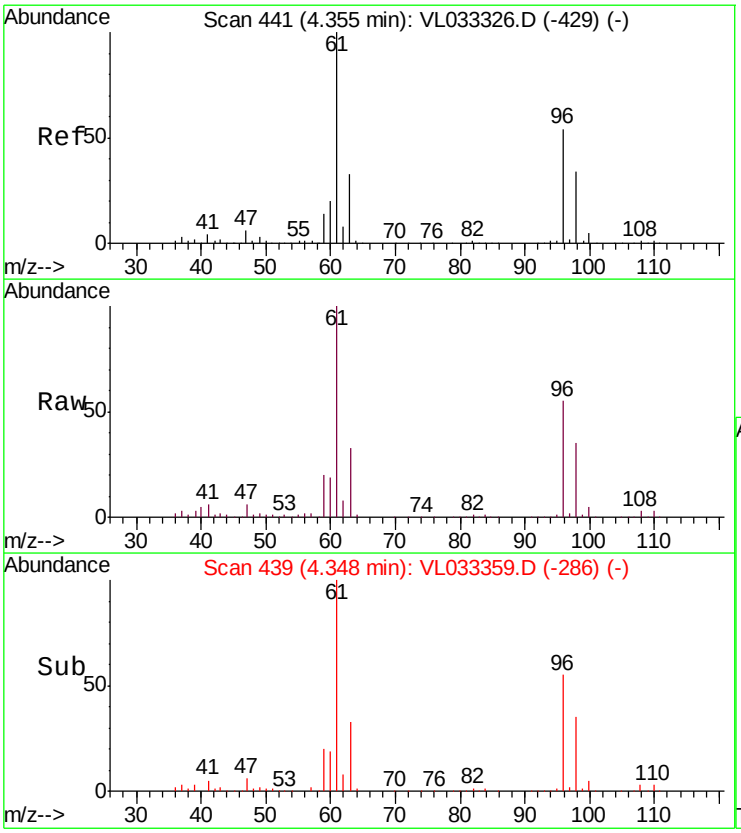
#17
tert-Butyl alcohol
Concen: 11.145 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 192453

Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5

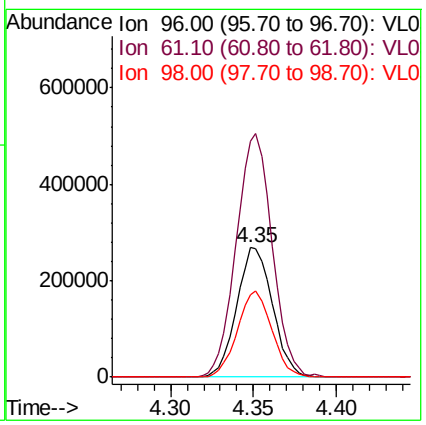


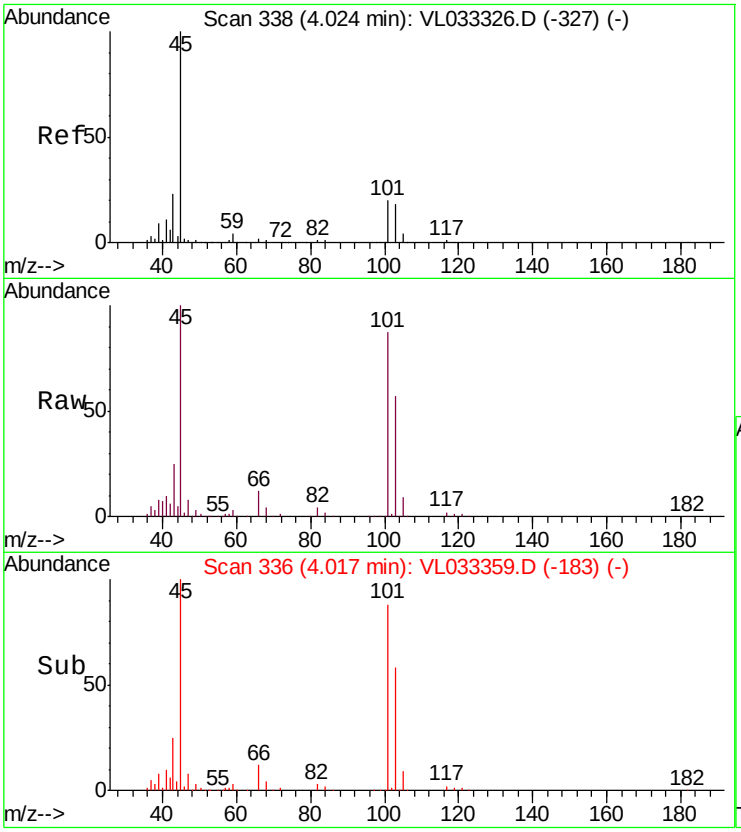


#18
1,1-Dichloroethene
Concen: 9.609 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 96 Resp: 402965

Ion	Ratio	Lower	Upper
96	100		
61	182.7	148.6	222.8
98	63.2	50.3	75.5



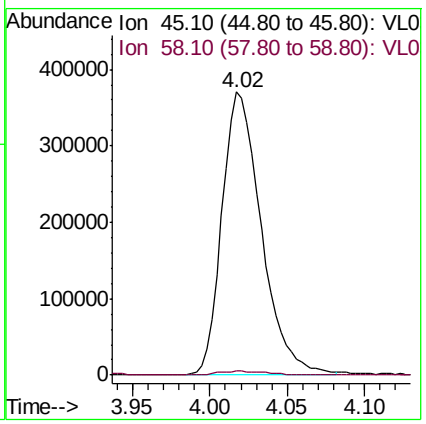


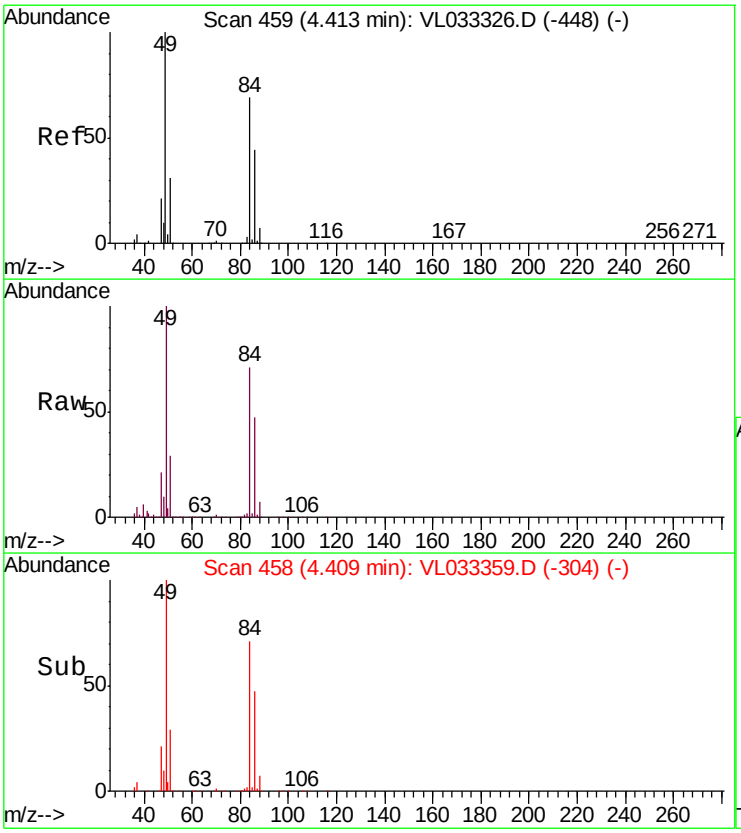
#19
Isopropyl Alcohol
Concen: 11.195 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 653424

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.5	2.3

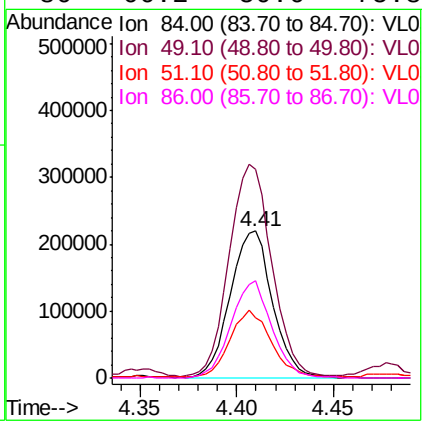


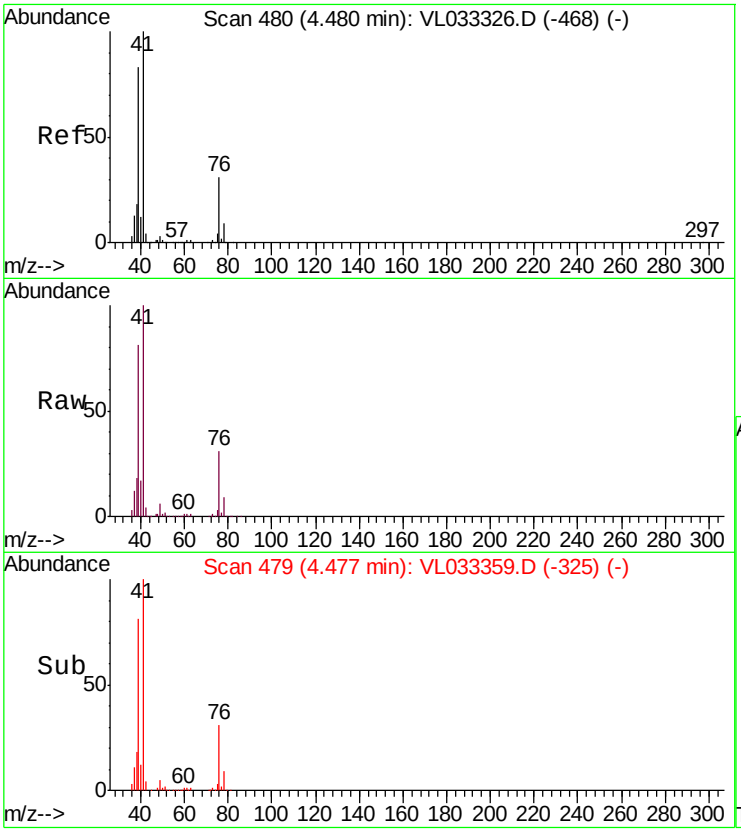


#20
Methylene Chloride
Concen: 8.264 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 84 Resp: 330713

Ion	Ratio	Lower	Upper
84	100		
49	140.8	115.4	173.0
51	40.3	35.8	53.6
86	66.2	50.6	75.8



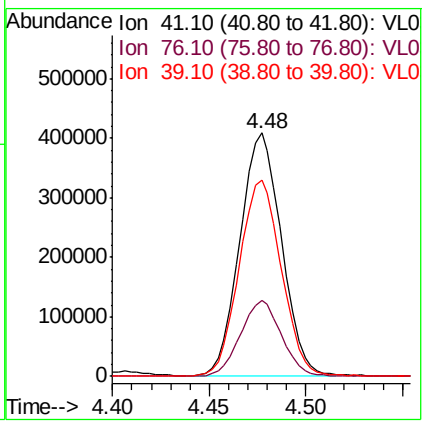


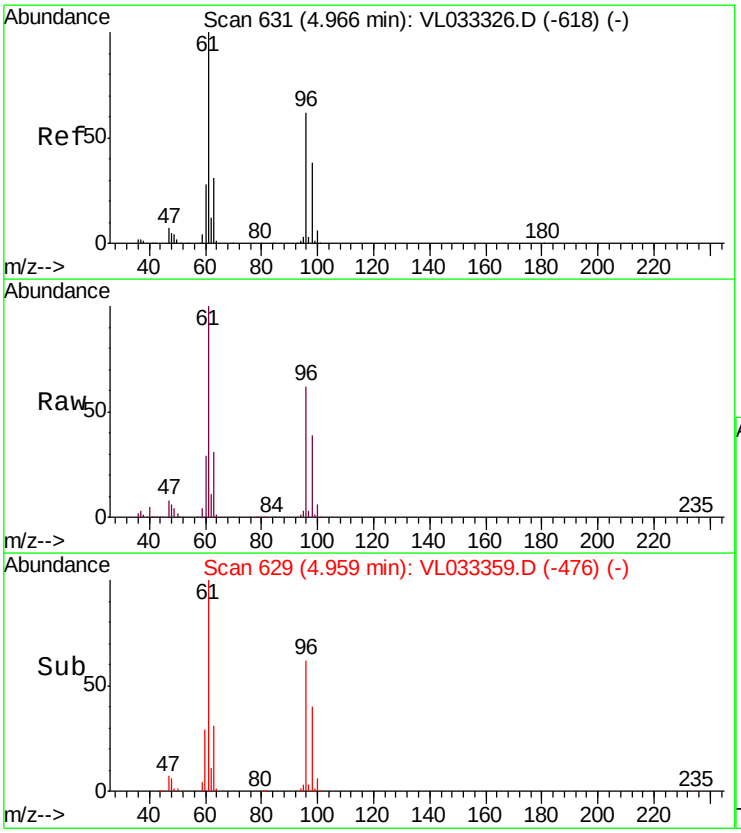
#21
Allyl Chloride
Concen: 10.275 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 611576

Ion	Ratio	Lower	Upper
41	100		
76	30.7	25.0	37.4
39	81.9	65.9	98.9

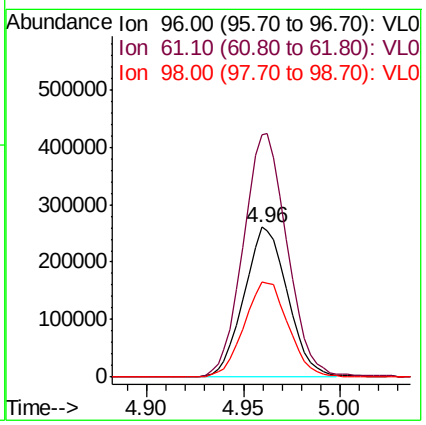


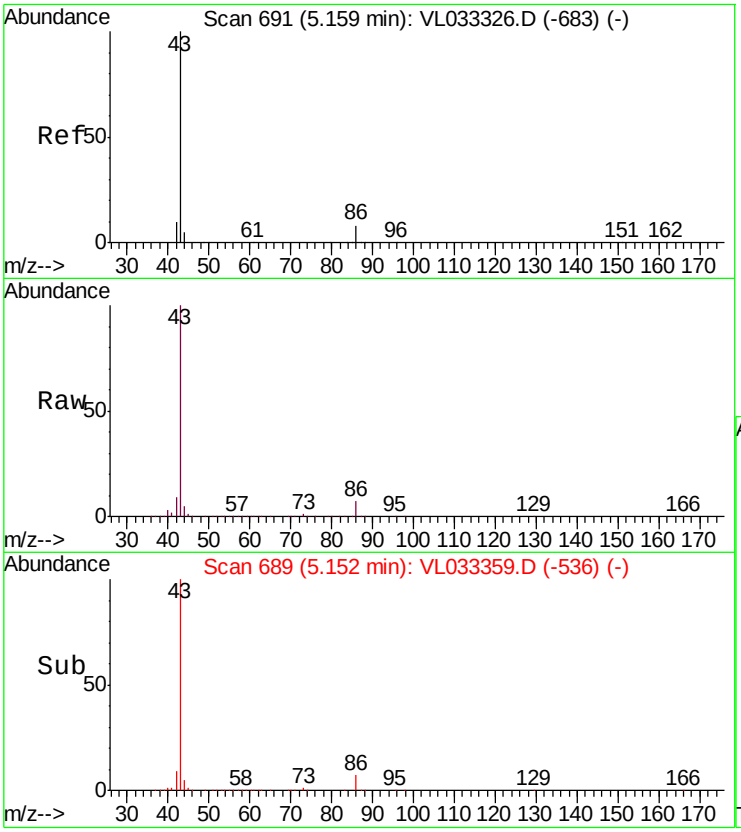


#22
trans-1,2-Dichloroethene
Concen: 10.046 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 96 Resp: 408278

Ion	Ratio	Lower	Upper
96	100		
61	161.8	130.0	195.0
98	63.7	50.0	75.0



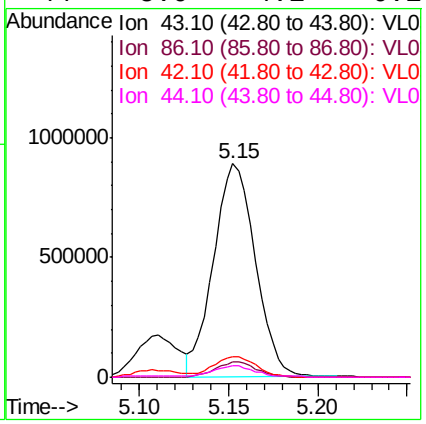


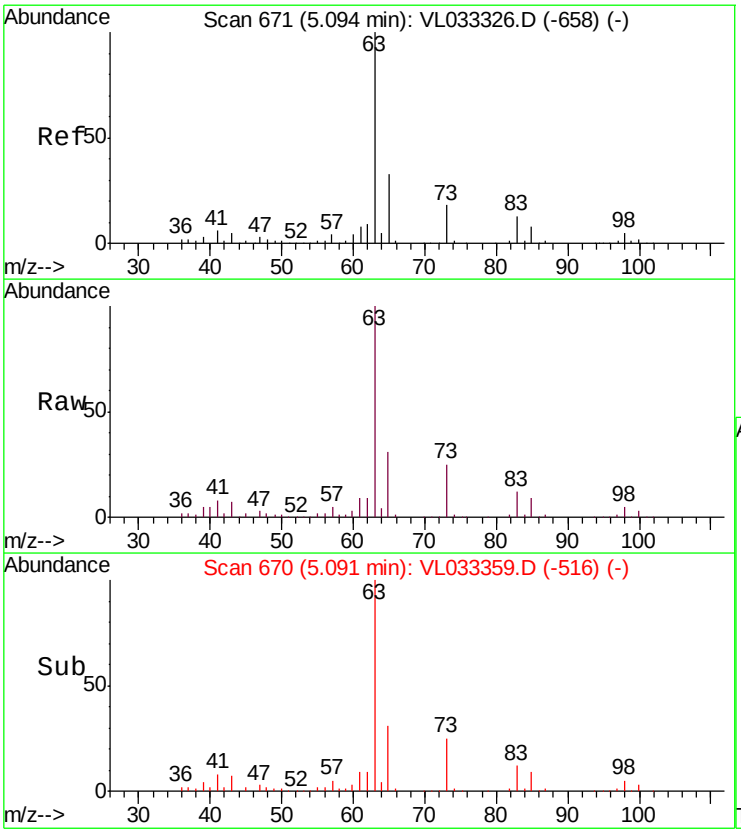
#23
Vinyl Acetate
Concen: 10.180 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1445345

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.2
42	9.4	8.1	12.1
44	5.0	4.1	6.1

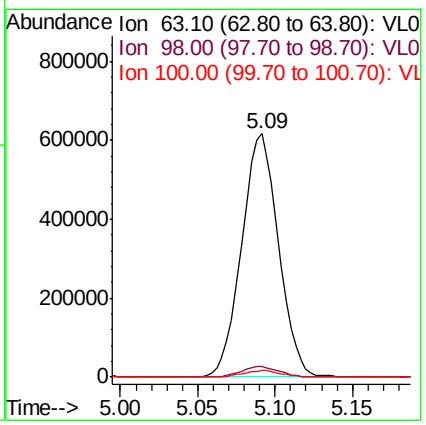


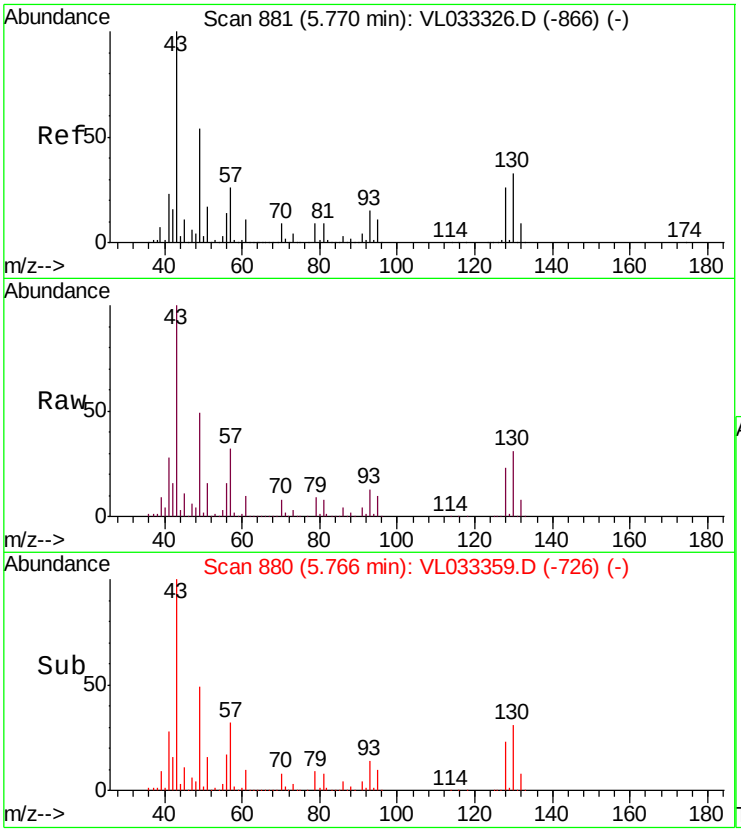


#24
1,1-Dichloroethane
Concen: 9.969 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 63 Resp: 1022190

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	2.6	1.3	3.8



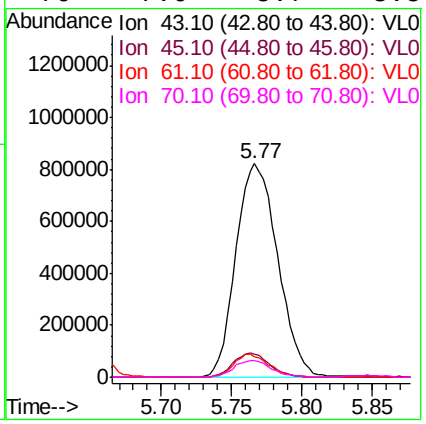


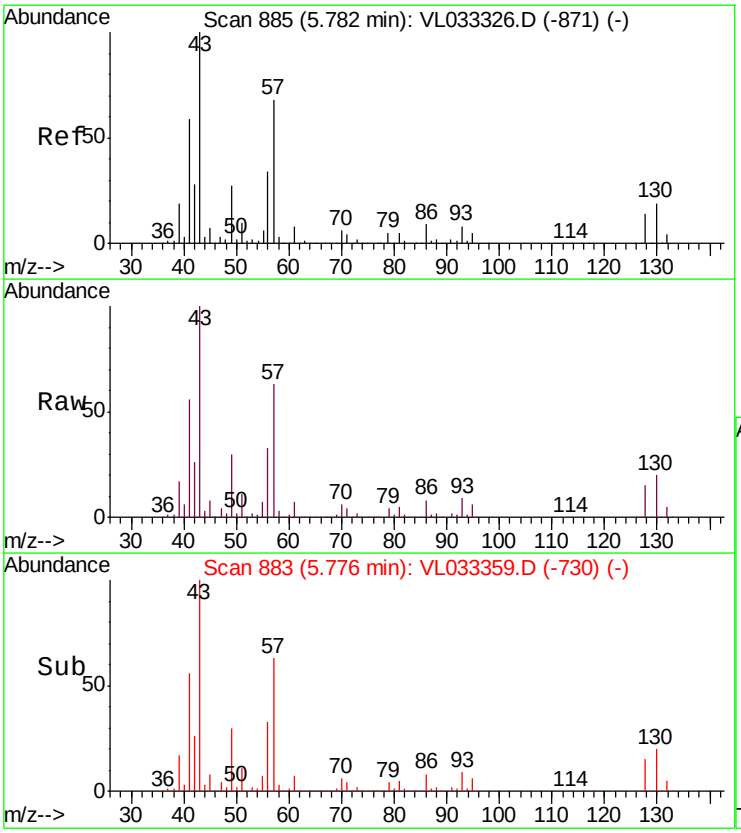
#25
Ethyl Acetate
Concen: 9.581 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1708986

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.7	8.5

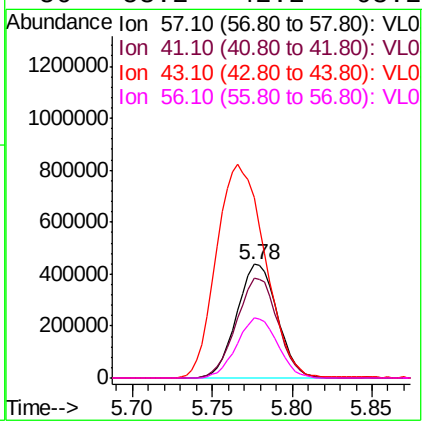


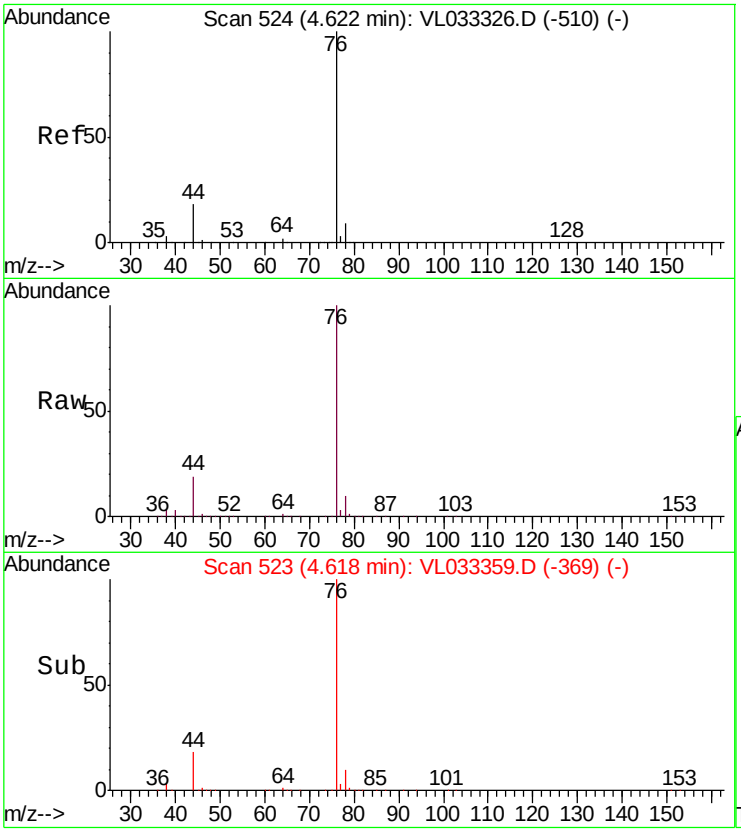


#26
Hexane
Concen: 9.464 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 57 Resp: 754660

Ion	Ratio	Lower	Upper
57	100		
41	89.9	70.5	105.7
43	228.0	181.8	272.8
56	53.2	42.2	63.2



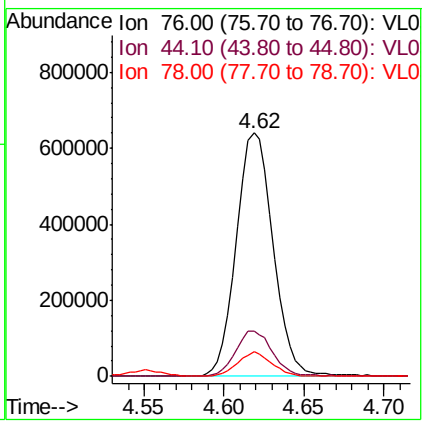


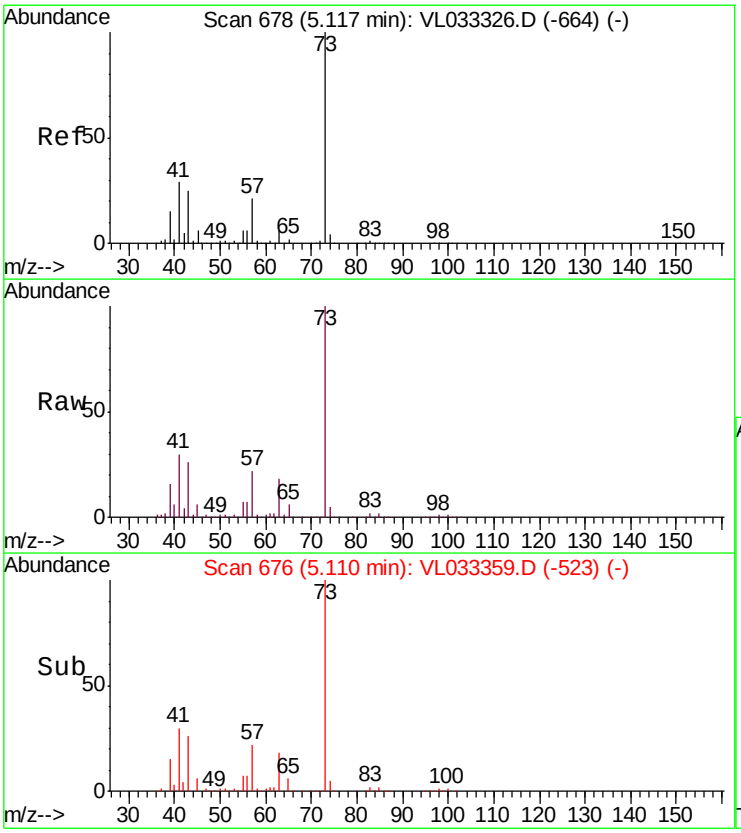
#27
Carbon Disulfide
Concen: 10.925 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1002920

Ion	Ratio	Lower	Upper
76	100		
44	18.4	15.2	22.8
78	9.4	7.2	10.8

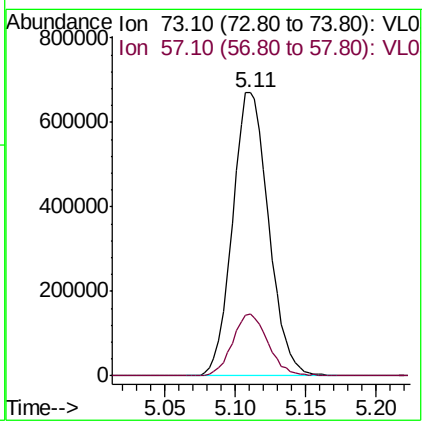


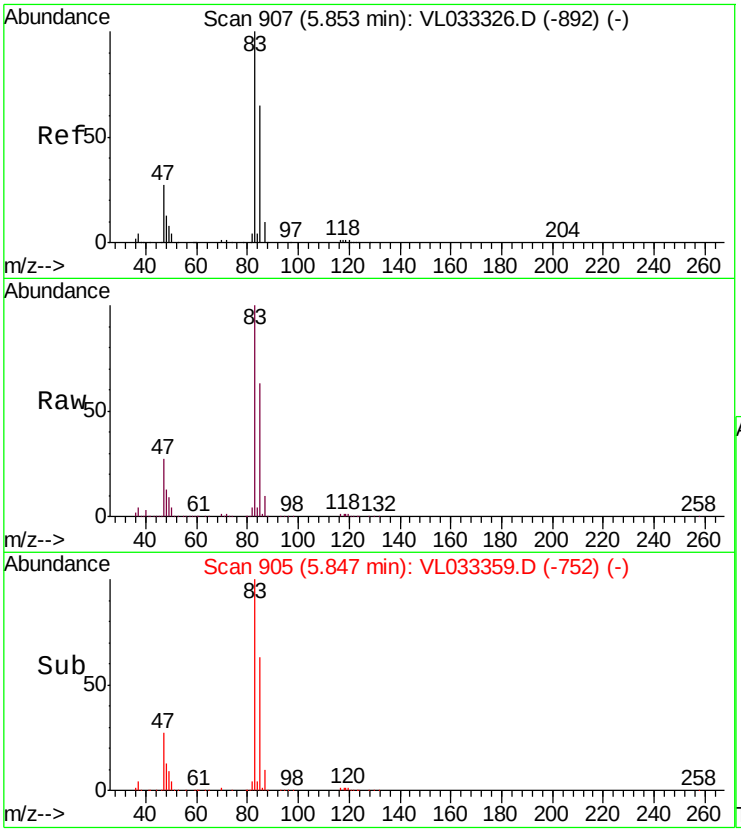


#28
Methyl tert-Butyl Ether
Concen: 10.154 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 73 Resp: 1202686

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



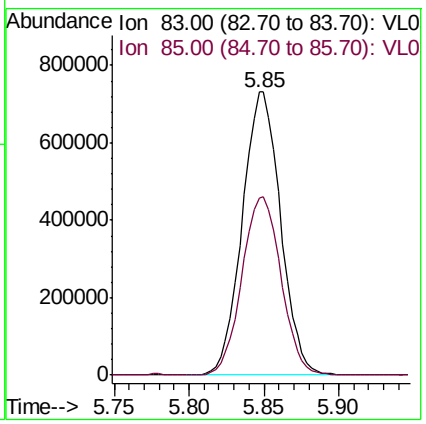


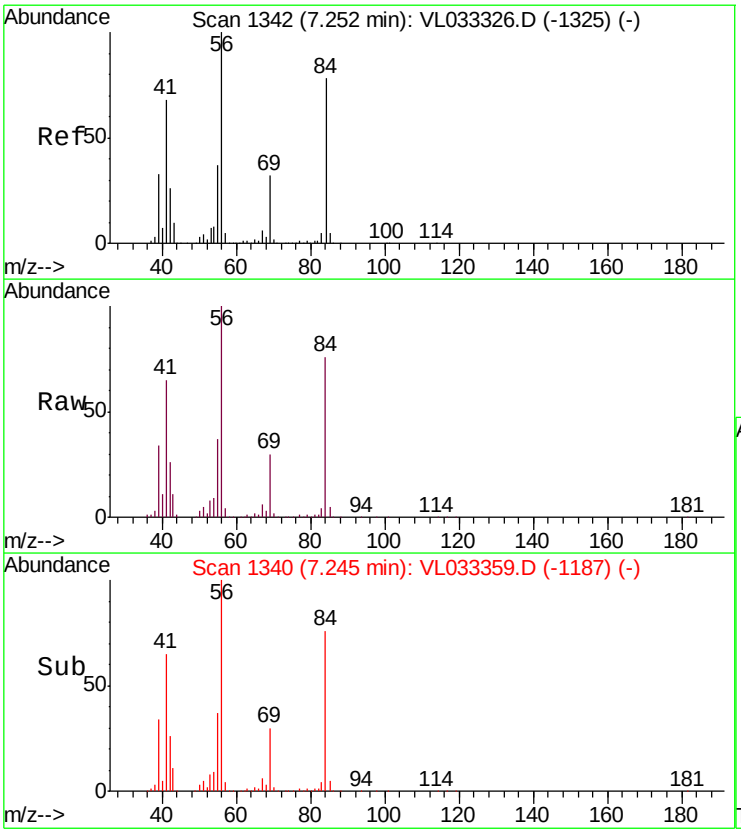
#29
Chloroform
Concen: 9.977 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1302745

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0

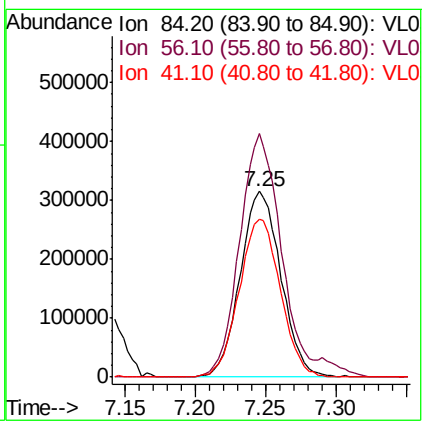


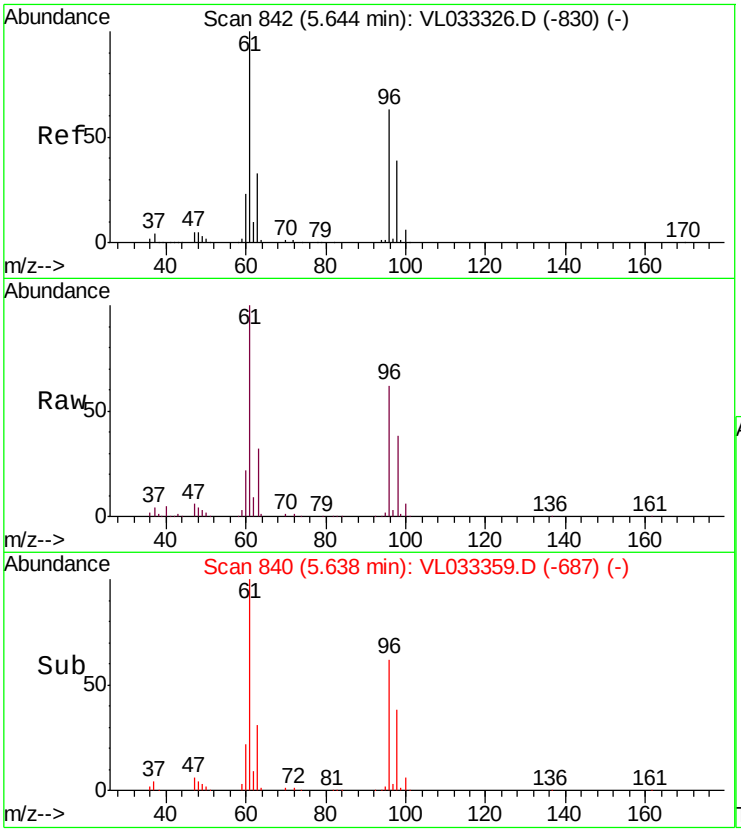


#30
Cyclohexane
Concen: 9.978 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 84 Resp: 637910

Ion	Ratio	Lower	Upper
84	100		
56	137.8	111.3	166.9
41	86.4	69.6	104.4



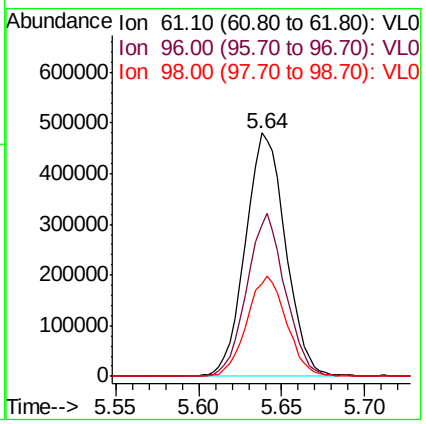


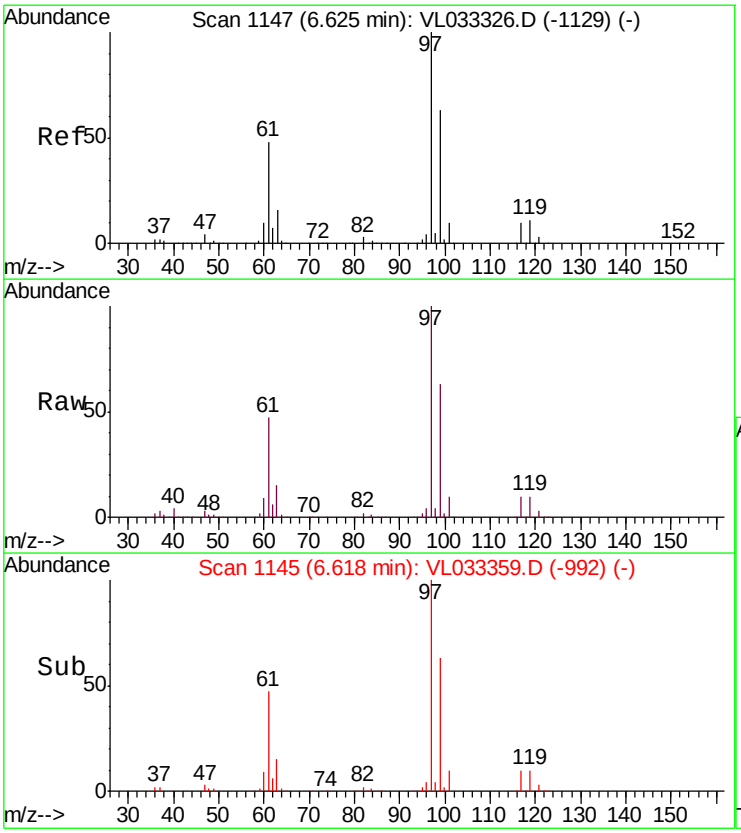
#31
cis-1,2-Dichloroethene
Concen: 10.137 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 808199

Ion	Ratio	Lower	Upper
61	100		
96	62.2	50.3	75.5
98	38.2	31.5	47.3

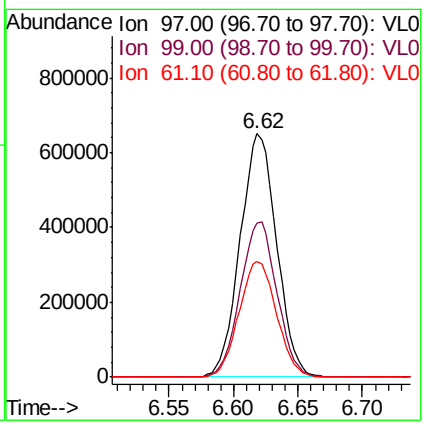


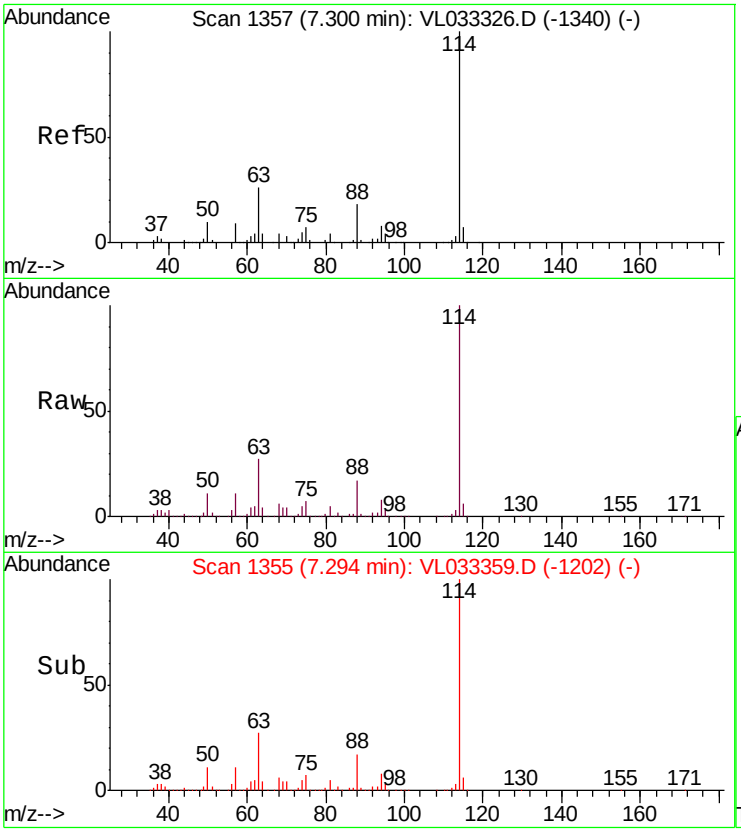


#32
1,1,1-Trichloroethane
Concen: 10.040 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 97 Resp: 1287076

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	48.9	39.3	58.9



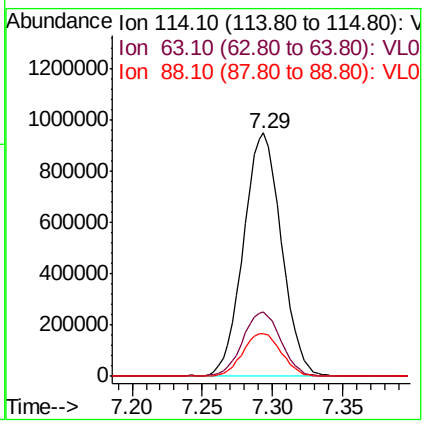


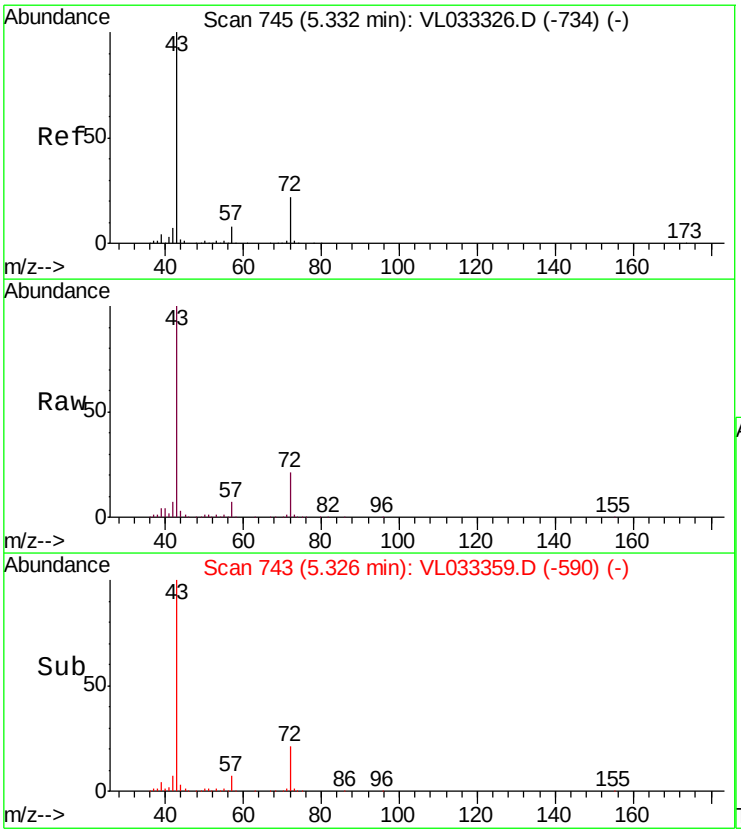
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1790091

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.4	32.2
88	18.0	14.5	21.7

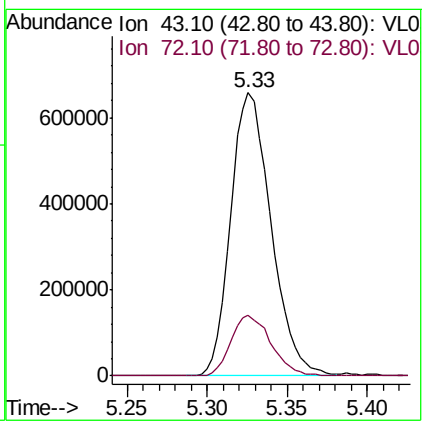


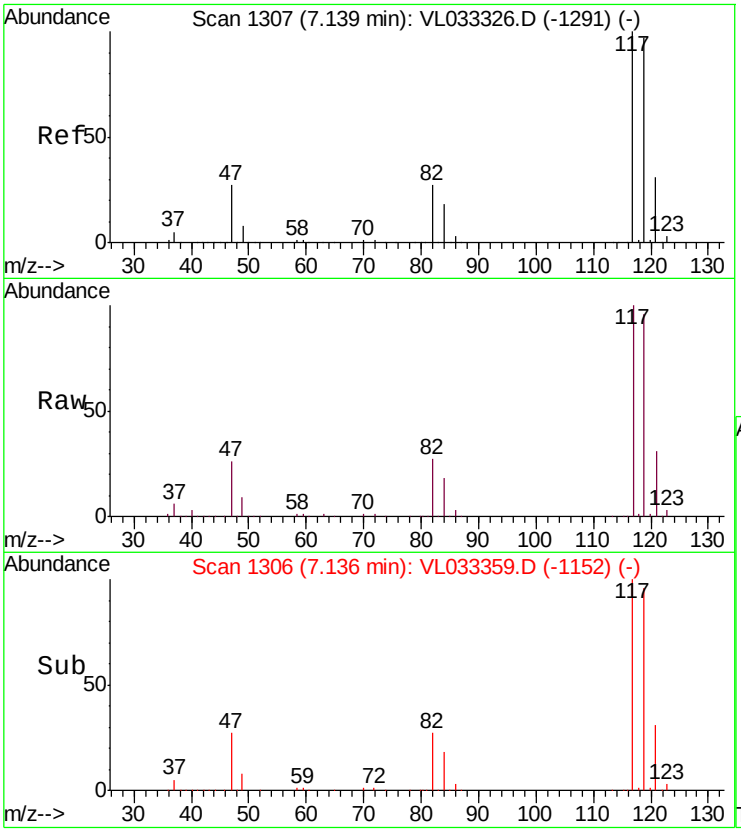


#34
2-Butanone
Concen: 9.566 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 43 Resp: 1124604

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.7	26.5



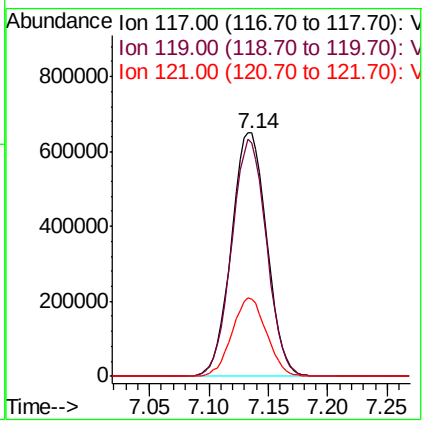


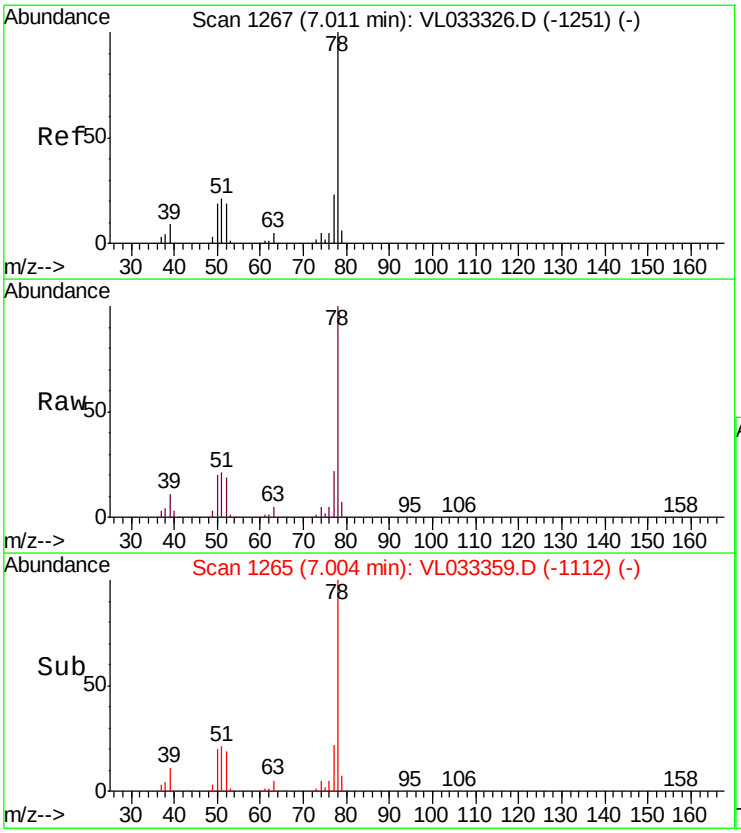
#35
Carbon Tetrachloride
Concen: 10.622 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1340566

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	31.5	24.9	37.3

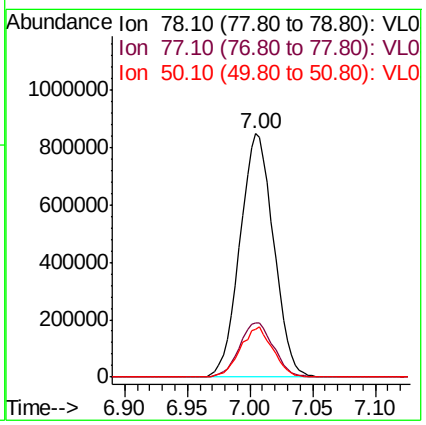


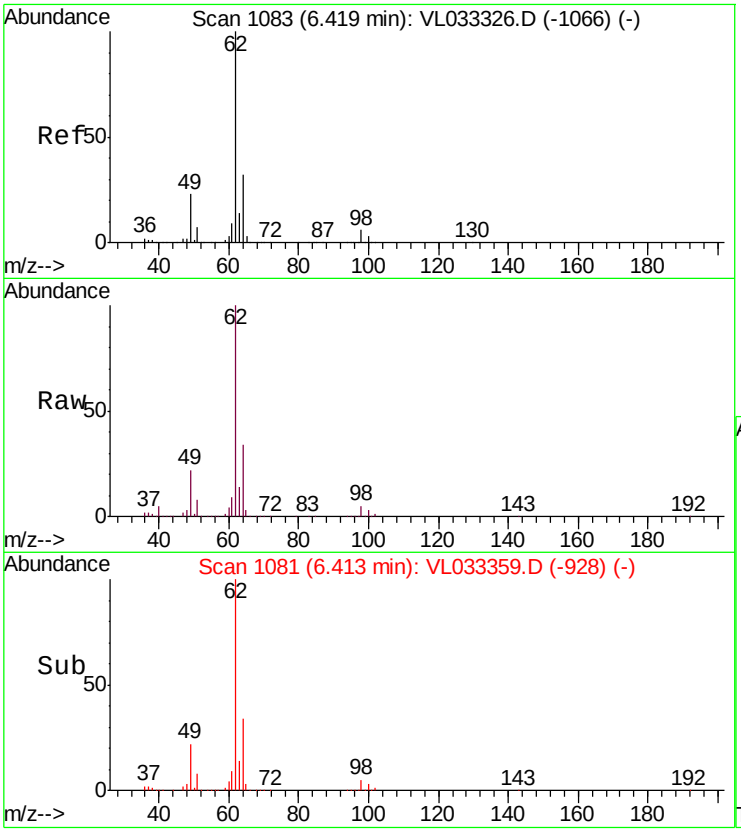


#36
Benzene
Concen: 9.913 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 78 Resp: 1588109

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.1	27.1
50	19.9	15.2	22.8



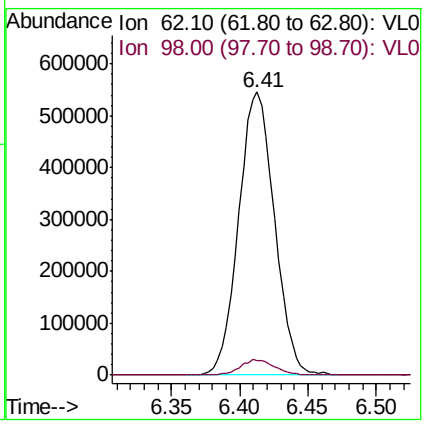


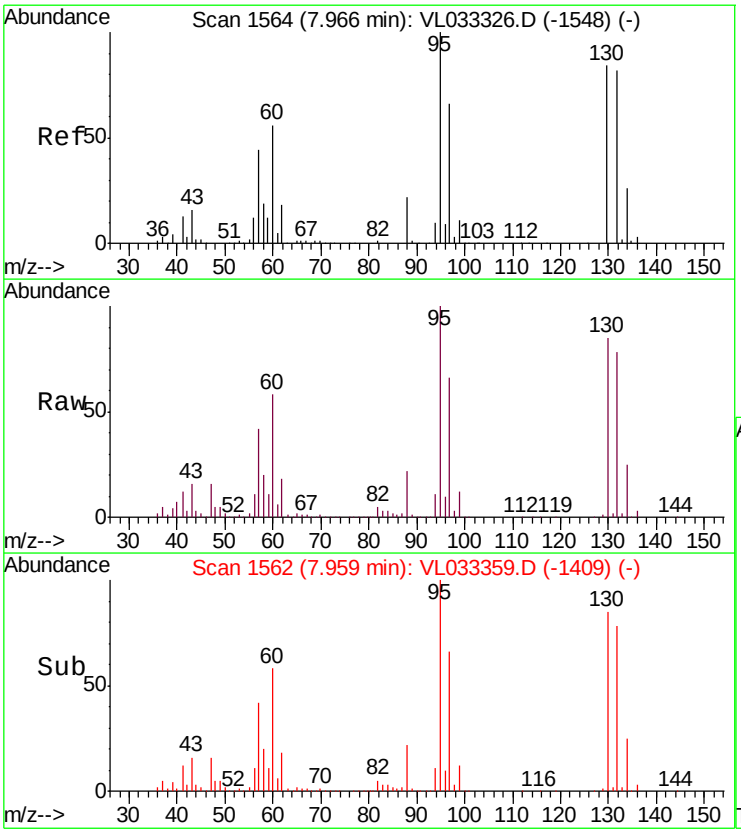
#37
1,2-Dichloroethane
Concen: 9.823 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 995057

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.5	6.7

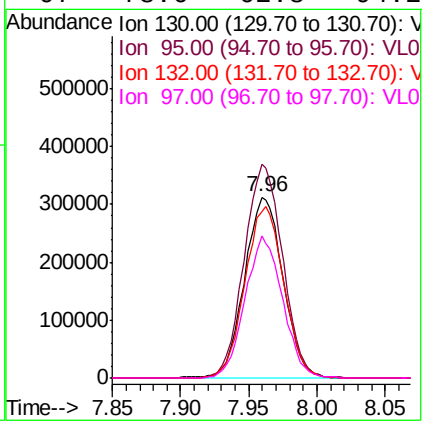


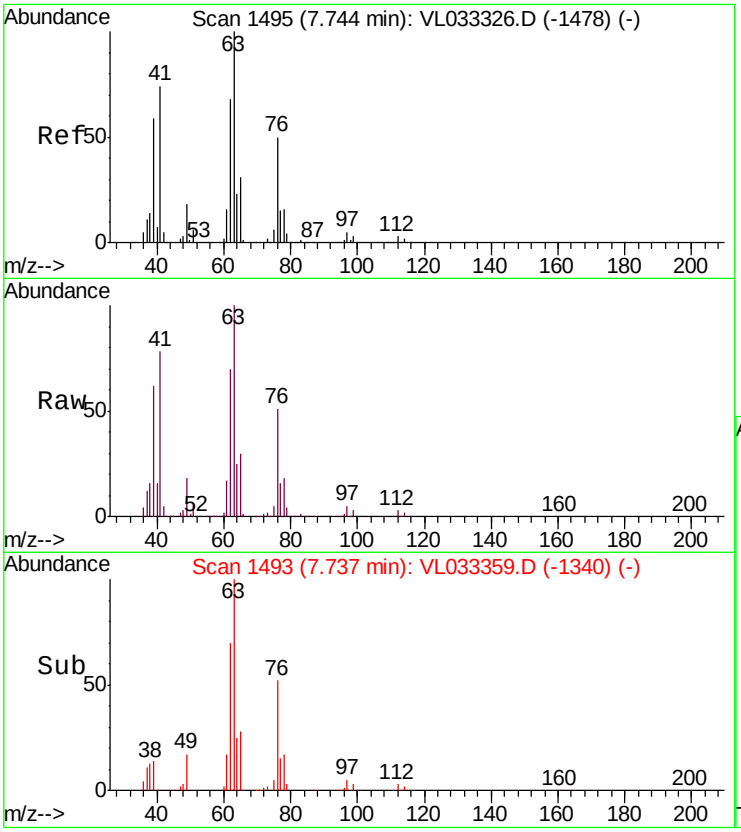


#38
Trichloroethene
Concen: 9.993 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:130 Resp: 605812

Ion	Ratio	Lower	Upper
130	100		
95	118.4	95.2	142.8
132	91.9	77.7	116.5
97	78.6	62.8	94.2



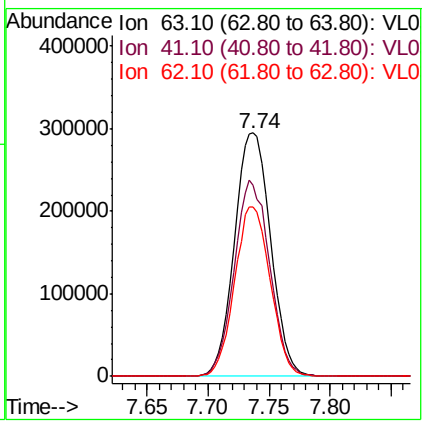


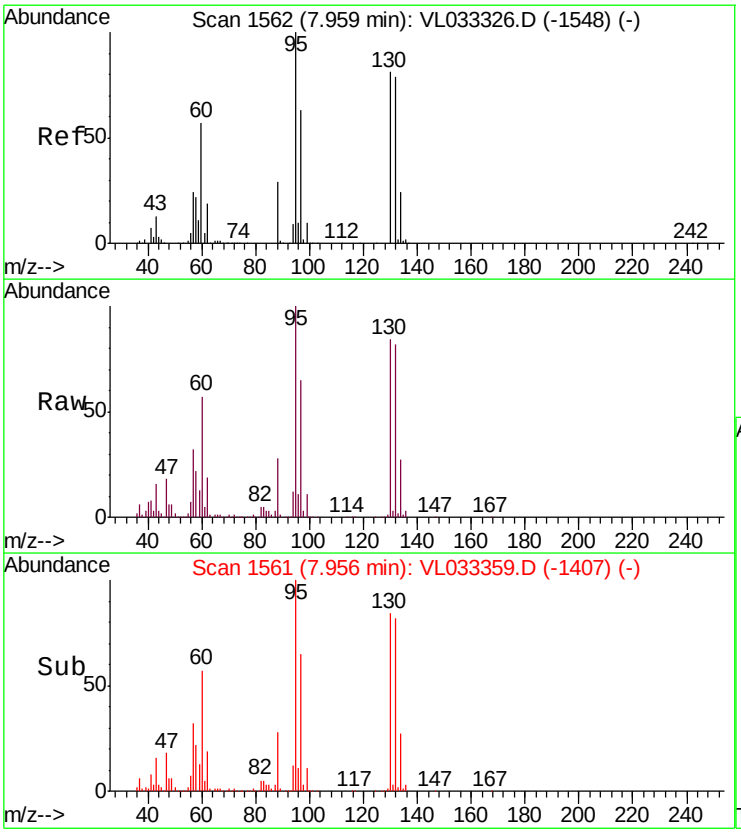
#39
1,2-Dichloropropane
Concen: 10.075 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 604434

Ion	Ratio	Lower	Upper
63	100		
41	78.4	59.5	89.3
62	69.7	54.7	82.1

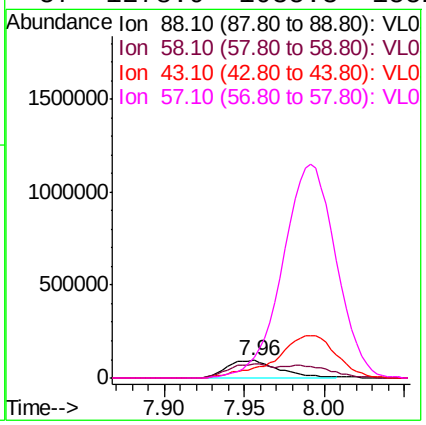


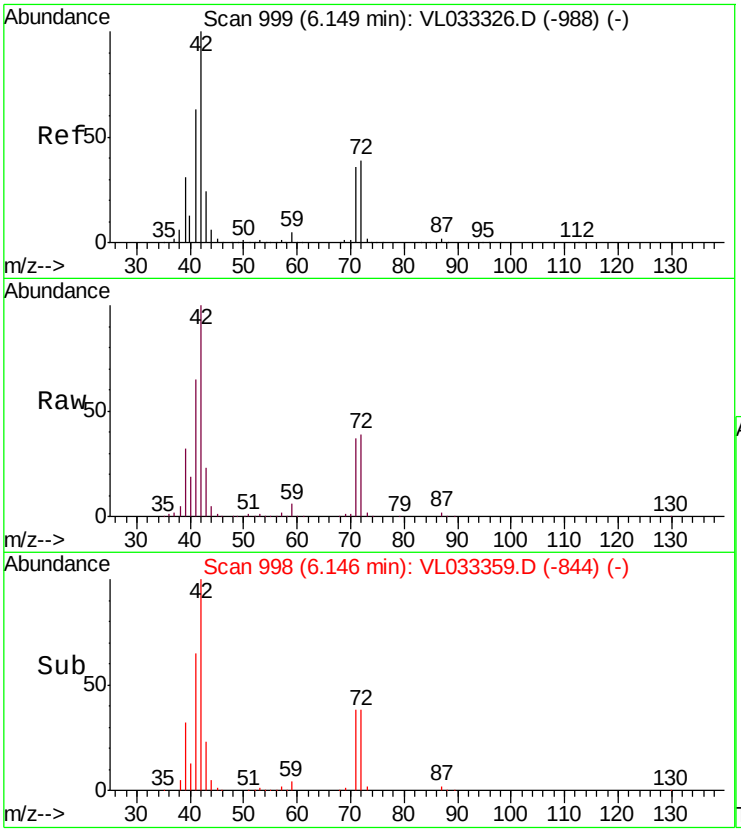


#40
1,4-Dioxane
Concen: 9.943 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 88 Resp: 210054

Ion	Ratio	Lower	Upper
88	100		
58	136.3	107.9	161.9
43	286.8	230.8	346.2
57	1278.9	1035.3	1552.9



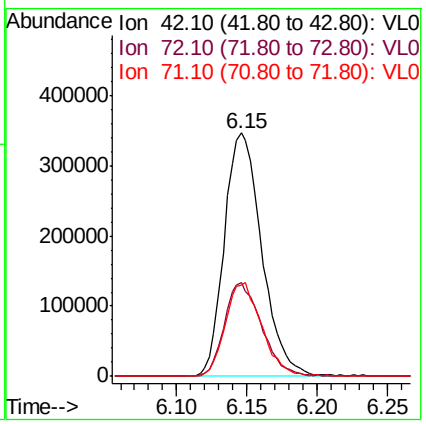


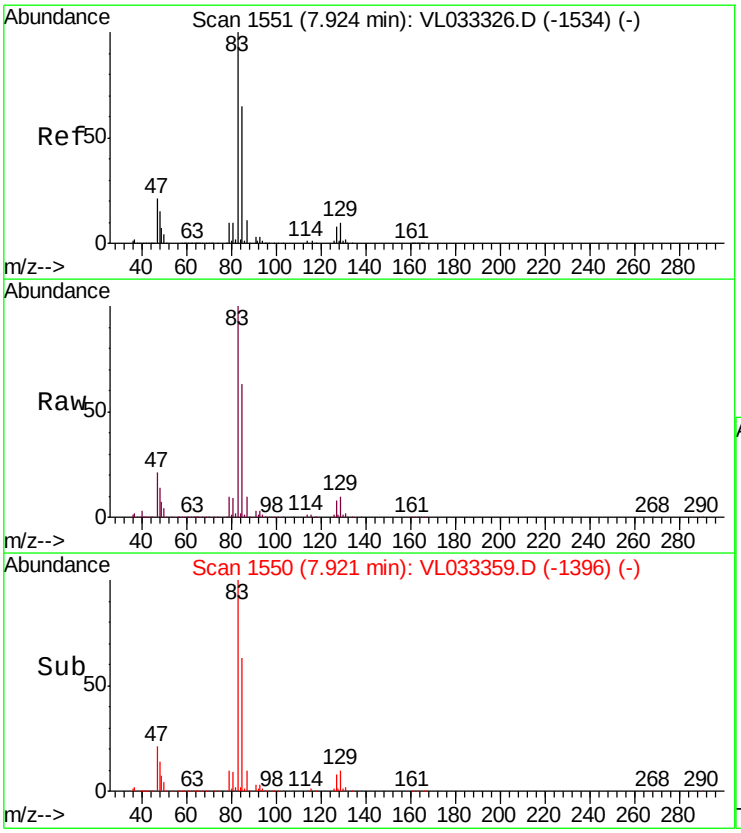
#41
Tetrahydrofuran
Concen: 10.266 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 644024

Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.6	47.4
71	37.5	29.9	44.9

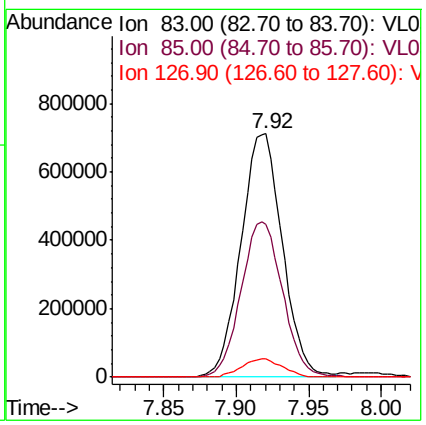


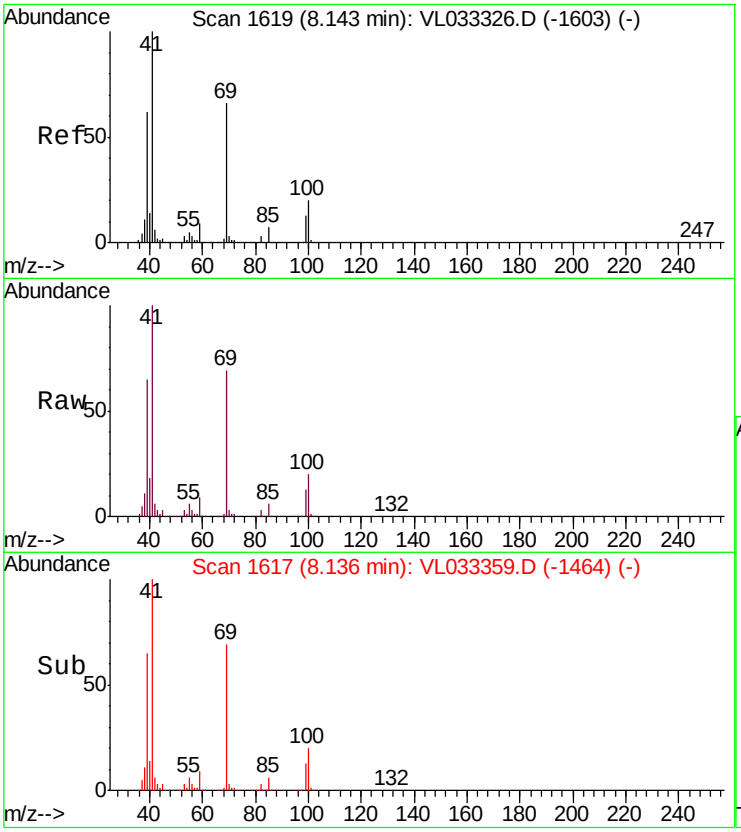


#42
Bromodichloromethane
Concen: 10.426 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 83 Resp: 1416039

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	7.6	6.2	9.2



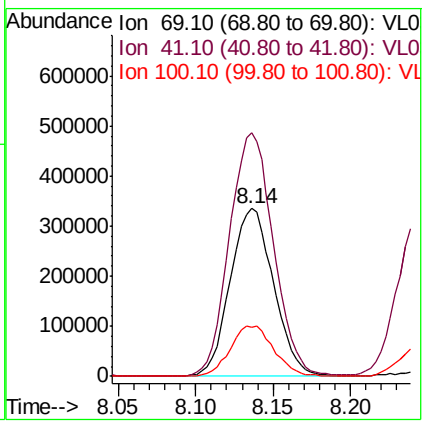


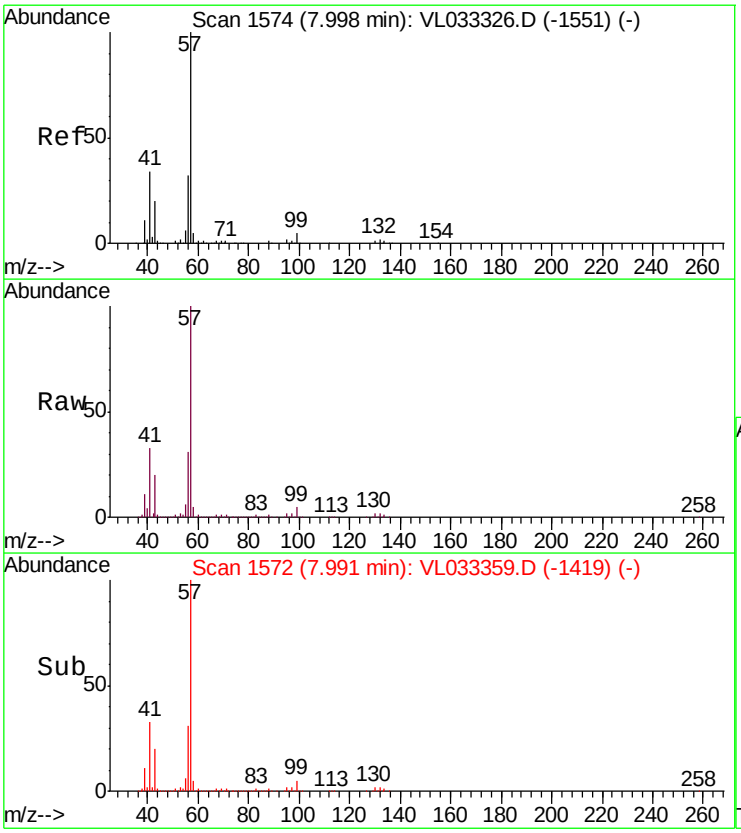
#43
Methyl Methacrylate
Concen: 10.438 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 651130

Ion	Ratio	Lower	Upper
69	100		
41	147.5	119.5	179.3
100	30.0	24.4	36.6

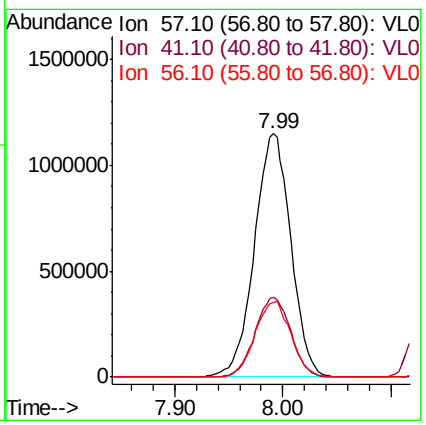


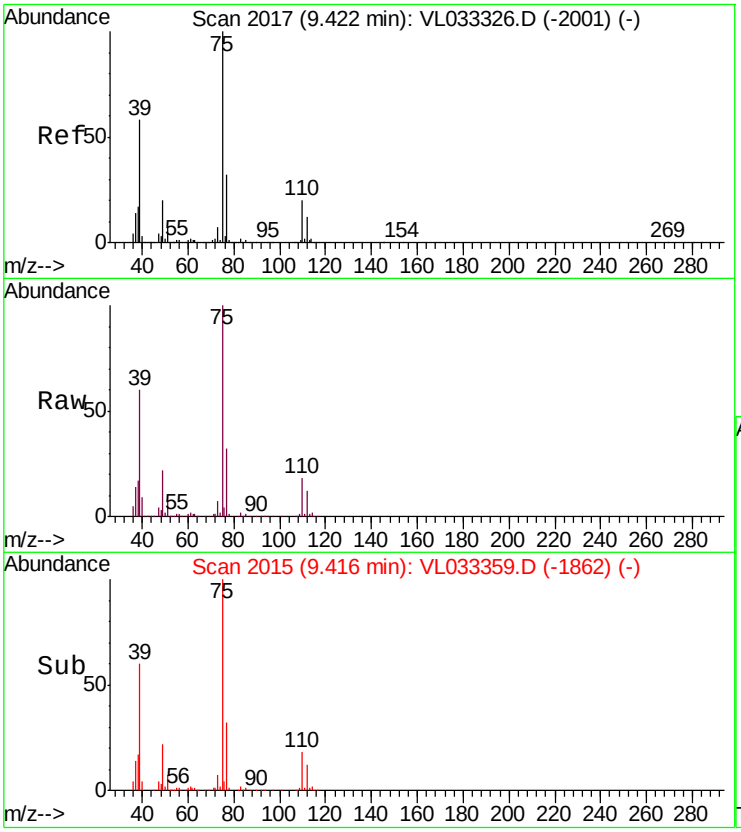


#44
2,2,4-Trimethylpentane
Concen: 10.116 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 57 Resp: 2684267

Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.0	39.0
56	30.8	24.6	36.8



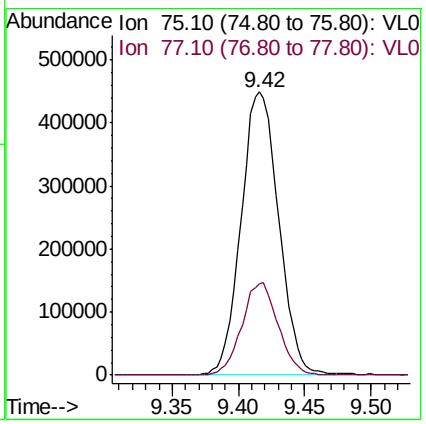


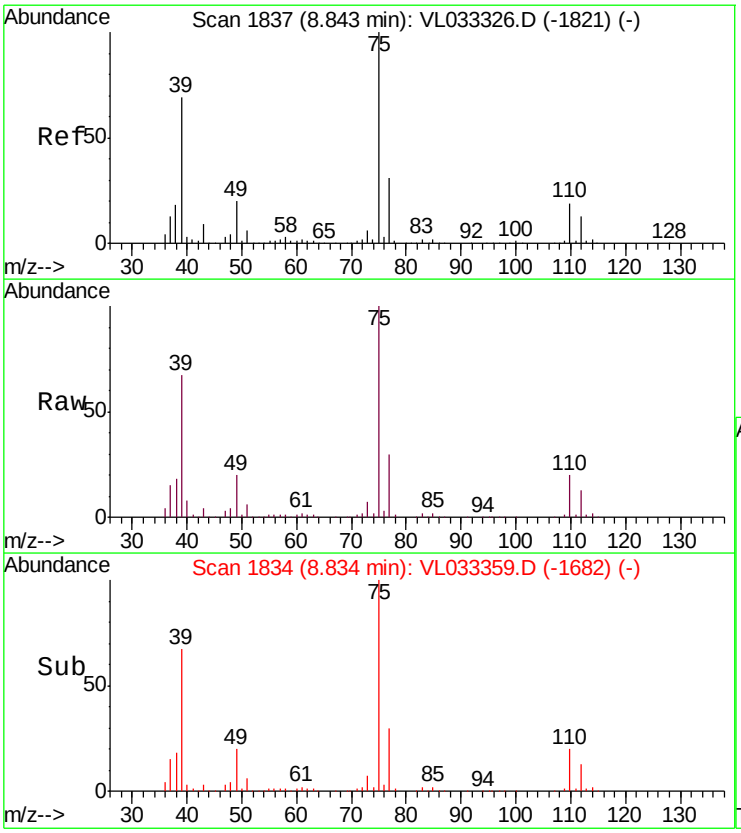
#45
t-1,3-Dichloropropene
Concen: 11.501 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 885717

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

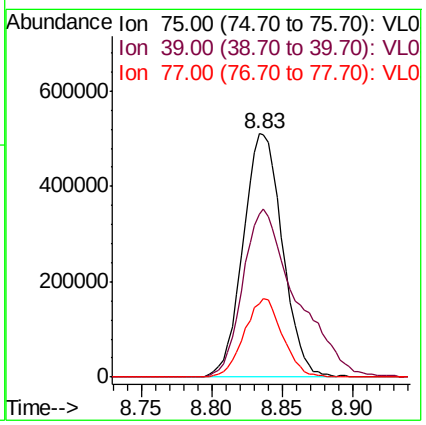


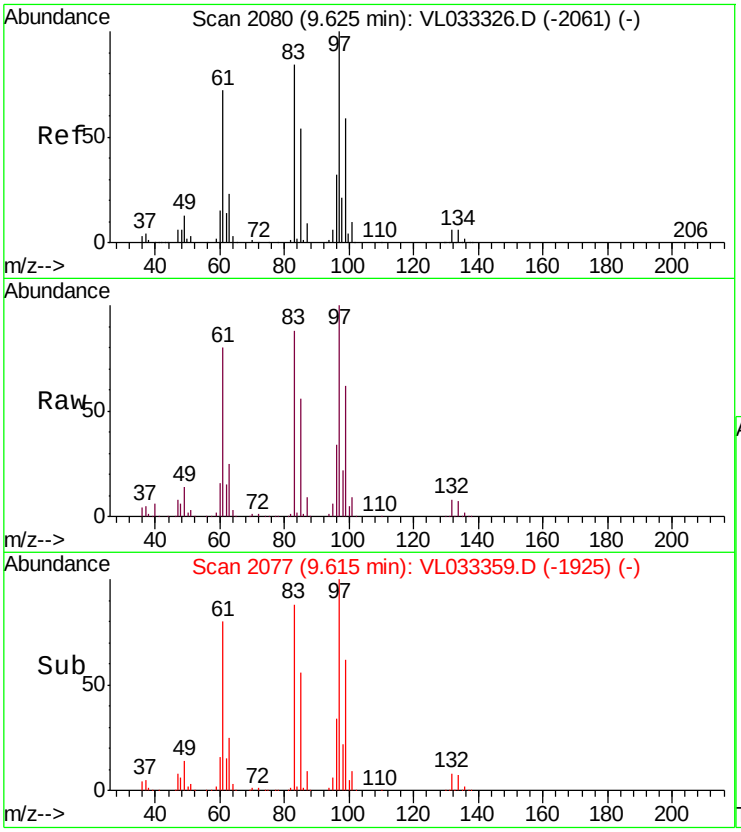


#46
cis-1,3-Dichloropropene
Concen: 10.989 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 75 Resp: 996505

Ion	Ratio	Lower	Upper
75	100		
39	67.1	55.0	82.6
77	29.9	24.5	36.7



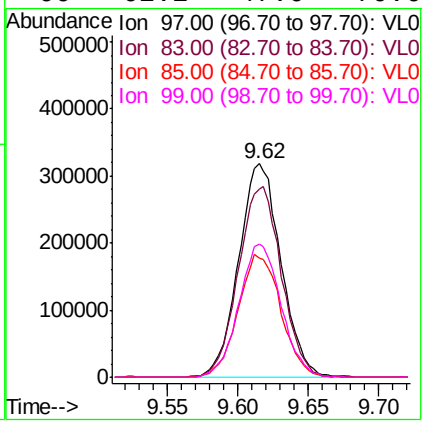


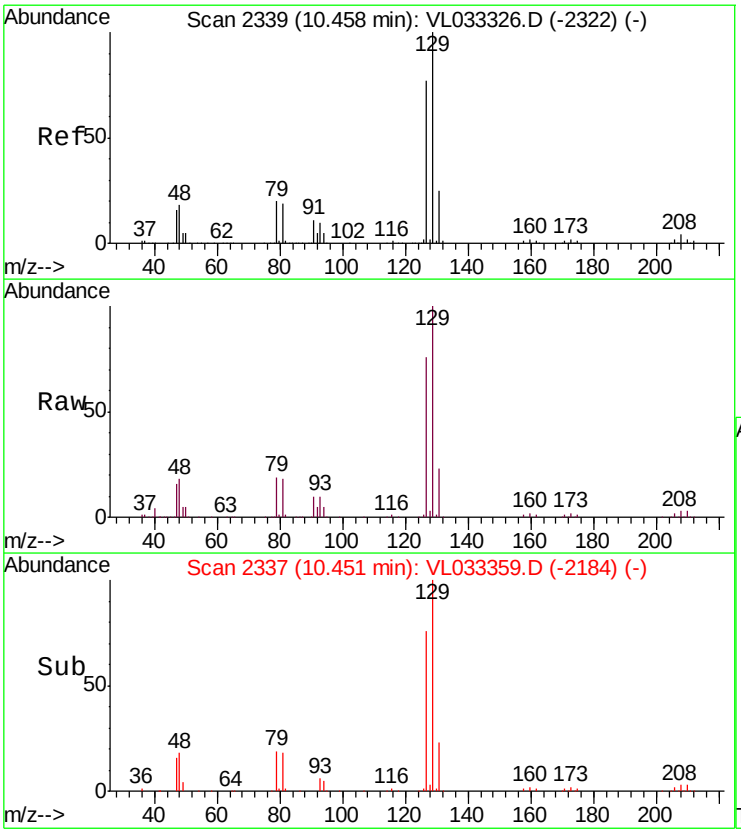
#47
1,1,2-Trichloroethane
Concen: 10.089 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 668765

Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.4	101.0
85	55.7	43.0	64.4
99	62.2	47.0	70.6

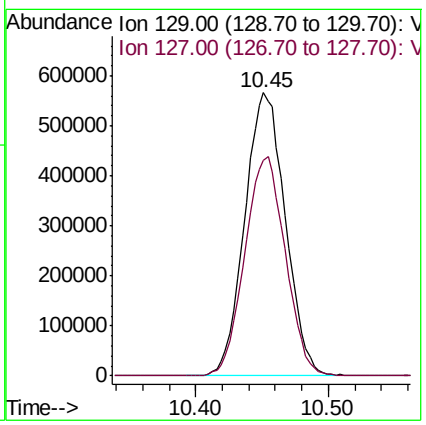


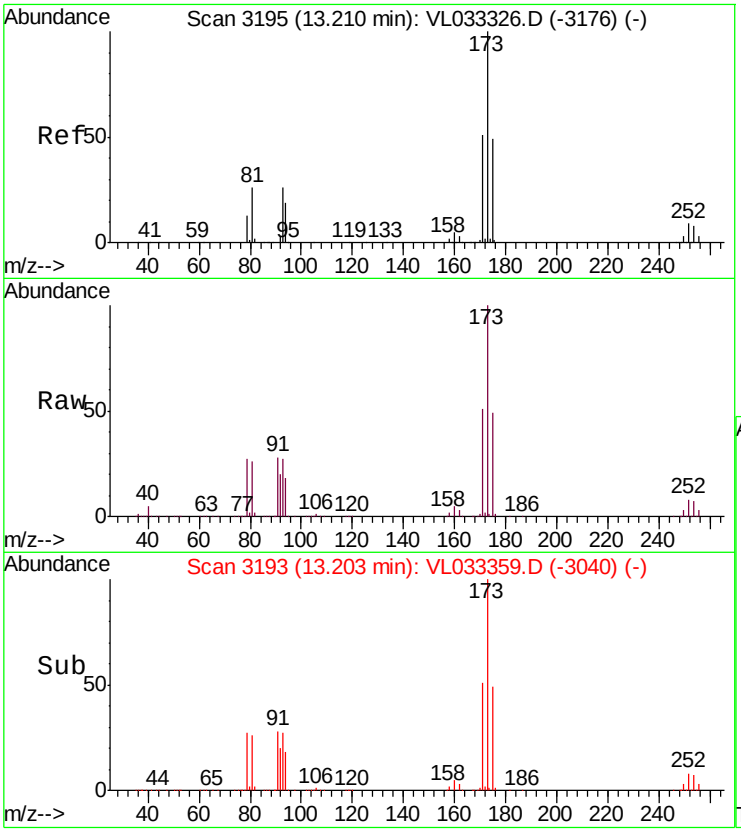


#48
Dibromochloromethane
Concen: 10.835 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:129 Resp: 1204524

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.6



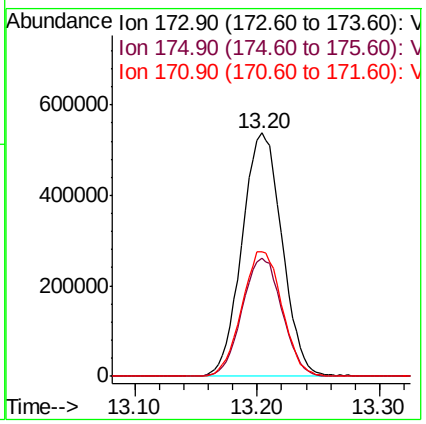


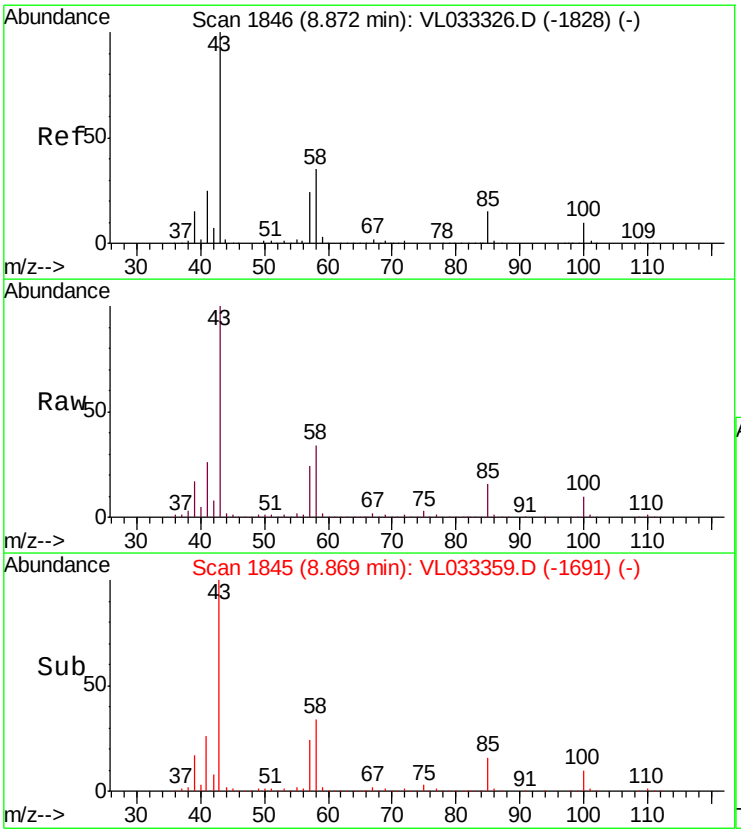
#49
Bromoform
Concen: 11.549 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1217936

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.6
171	51.7	41.7	62.5

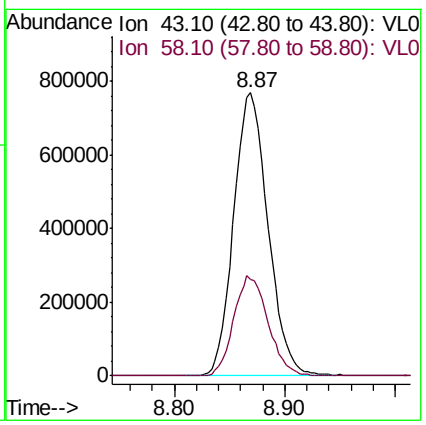


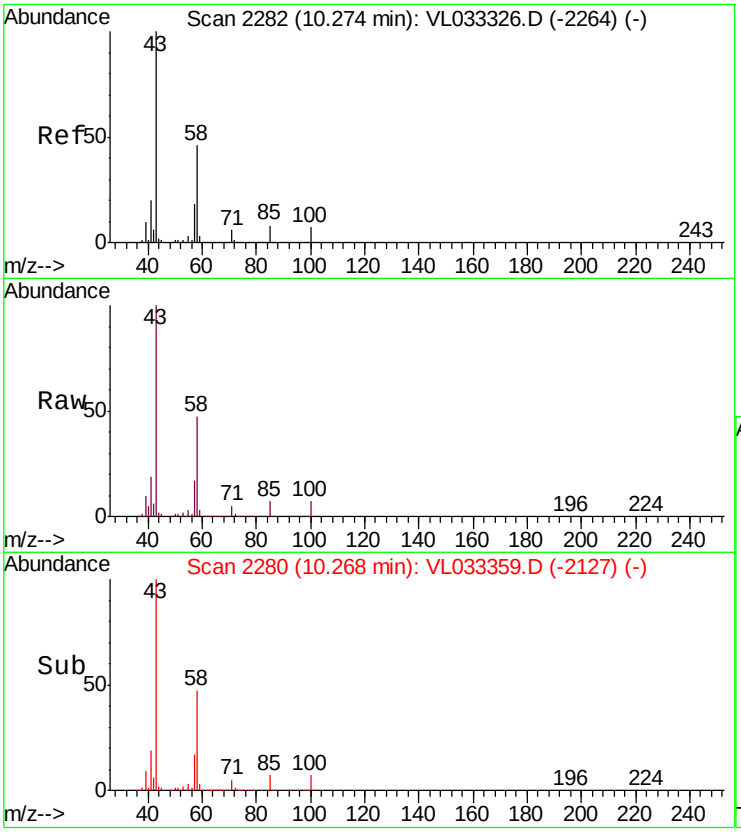


#50
4-Methyl-2-Pentanone
Concen: 9.976 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 43 Resp: 1656580

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.4	42.6



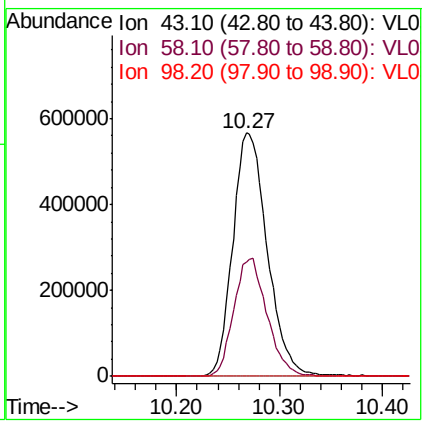


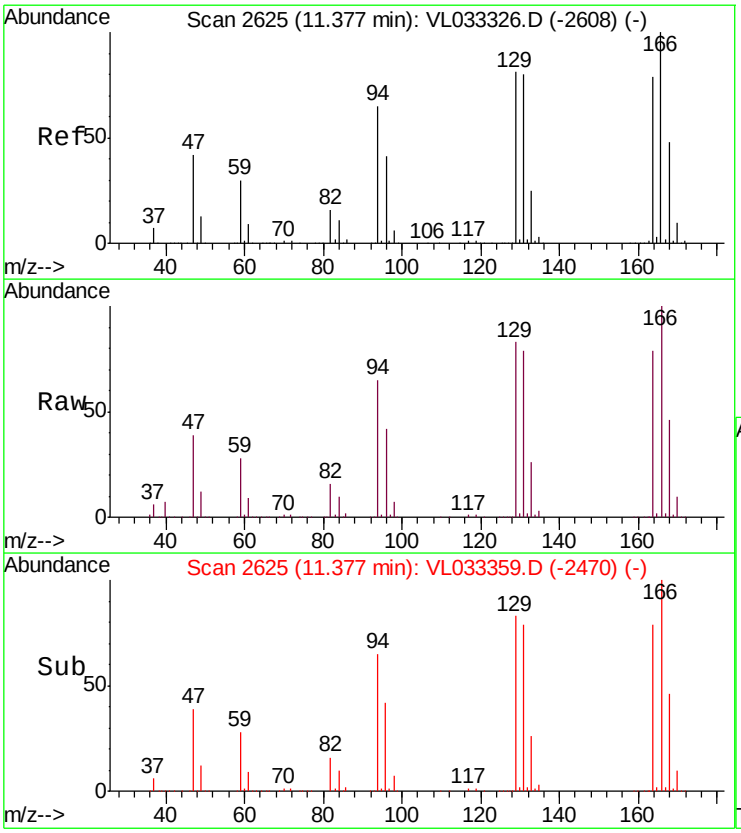
#51
2-Hexanone
Concen: 10.280 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1317030

Ion	Ratio	Lower	Upper
43	100		
58	46.8	38.0	57.0
98	0.3	0.1	0.1#

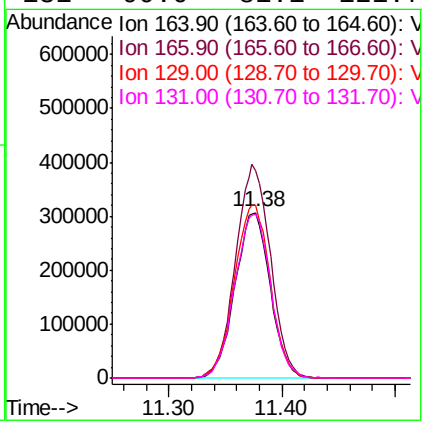


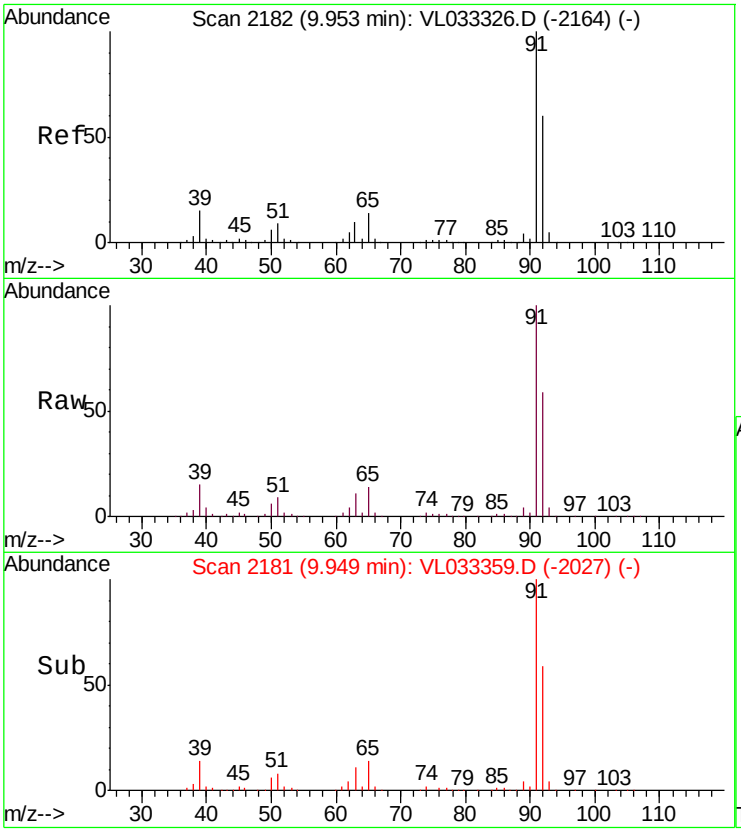


#52
Tetrachloroethene
Concen: 9.909 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:164 Resp: 661344

Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.5	152.3
129	104.8	82.2	123.2
131	99.0	81.1	121.7



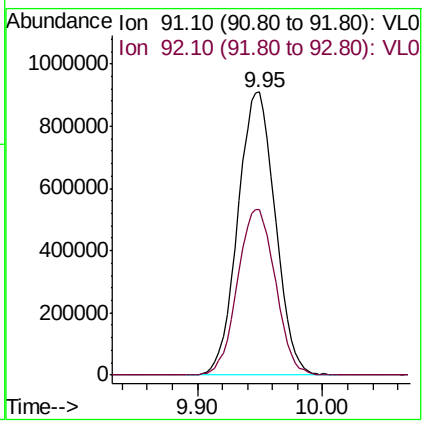


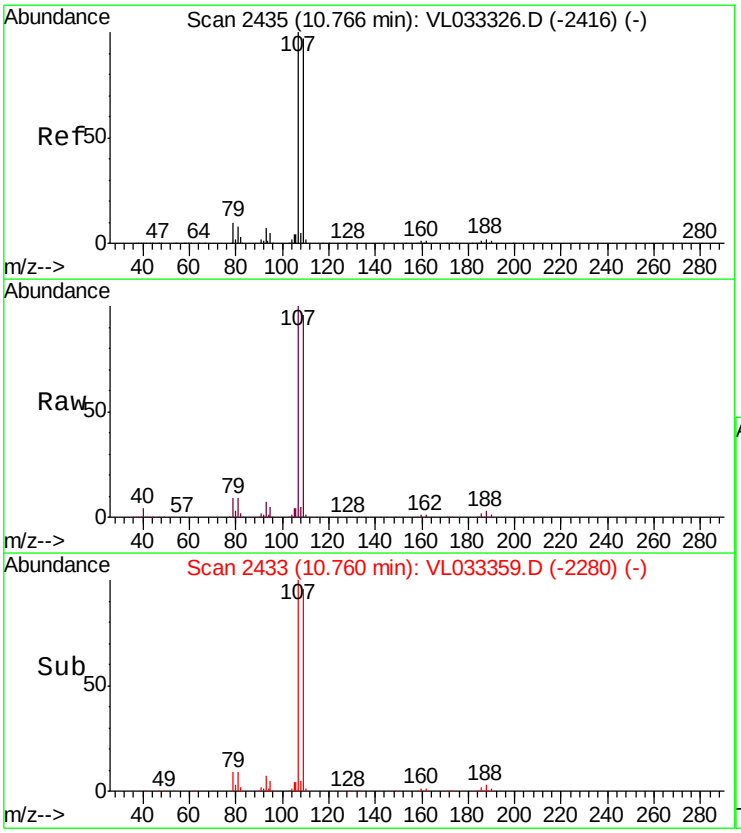
#53
Toluene
Concen: 10.371 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1887813

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.4	71.0

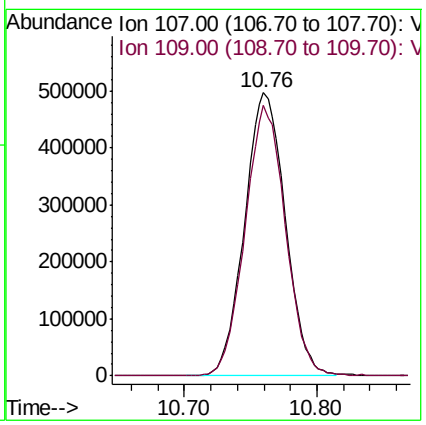


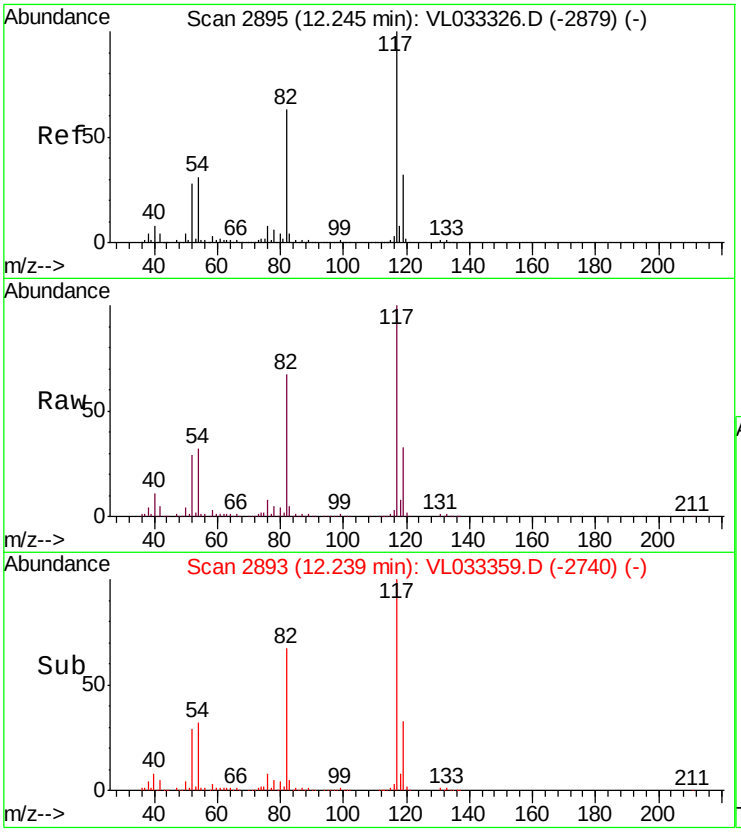


#54
1,2-Dibromoethane
Concen: 9.471 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:107 Resp: 1061292

Ion	Ratio	Lower	Upper
107	100		
109	95.7	77.2	115.8



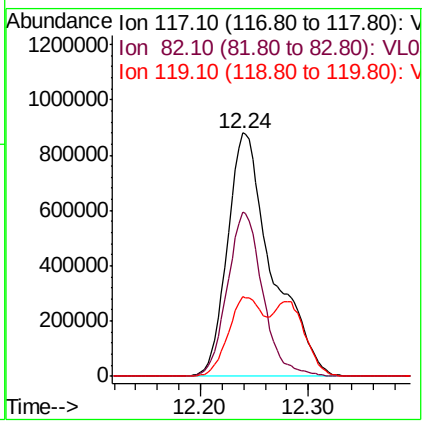


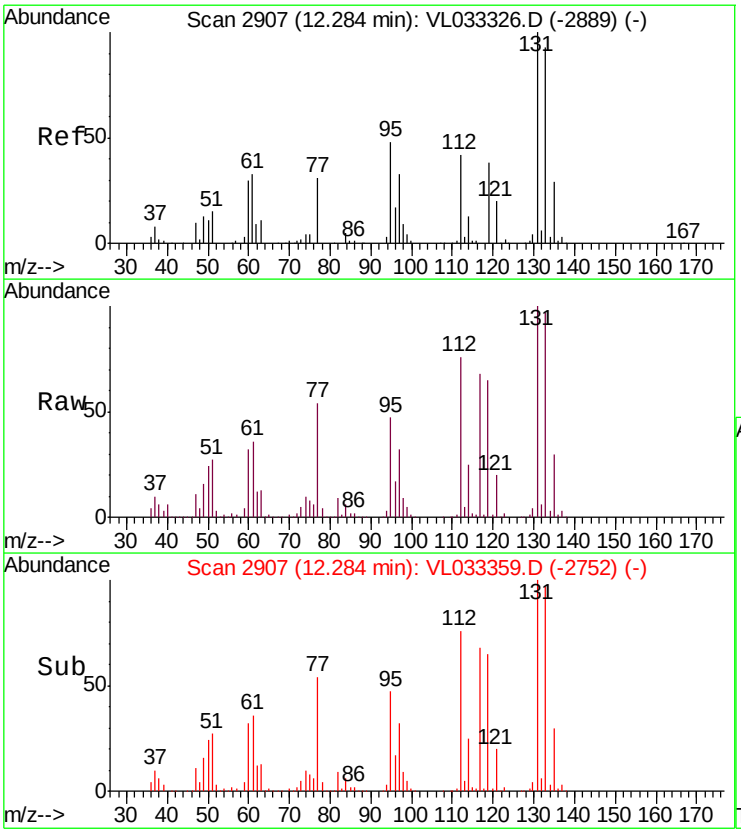
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2540890

Ion	Ratio	Lower	Upper
117	100		
82	53.5	53.4	80.2
119	26.8	27.3	40.9#

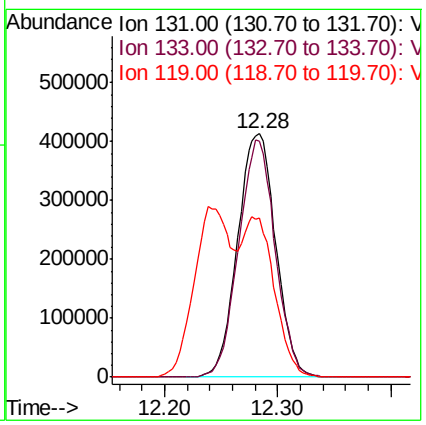


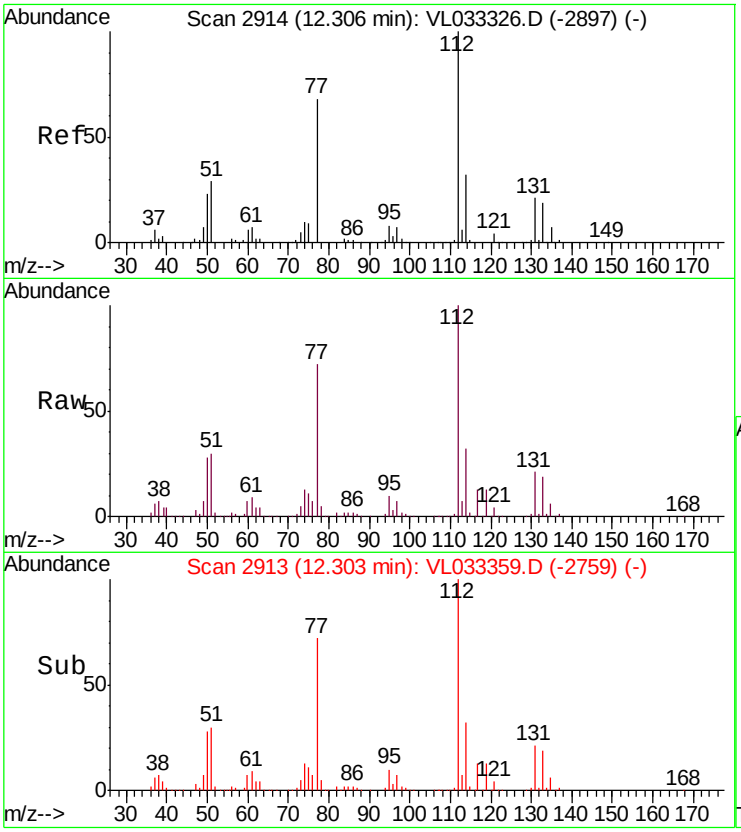


#56
1,1,1,2-Tetrachloroethane
Concen: 8.504 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:131 Resp: 966653

Ion	Ratio	Lower	Upper
131	100		
133	93.8	76.7	115.1
119	59.5	40.3	60.5



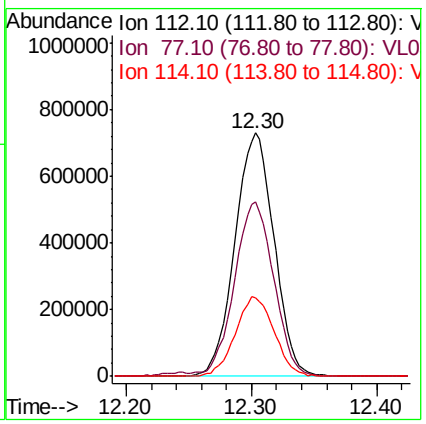


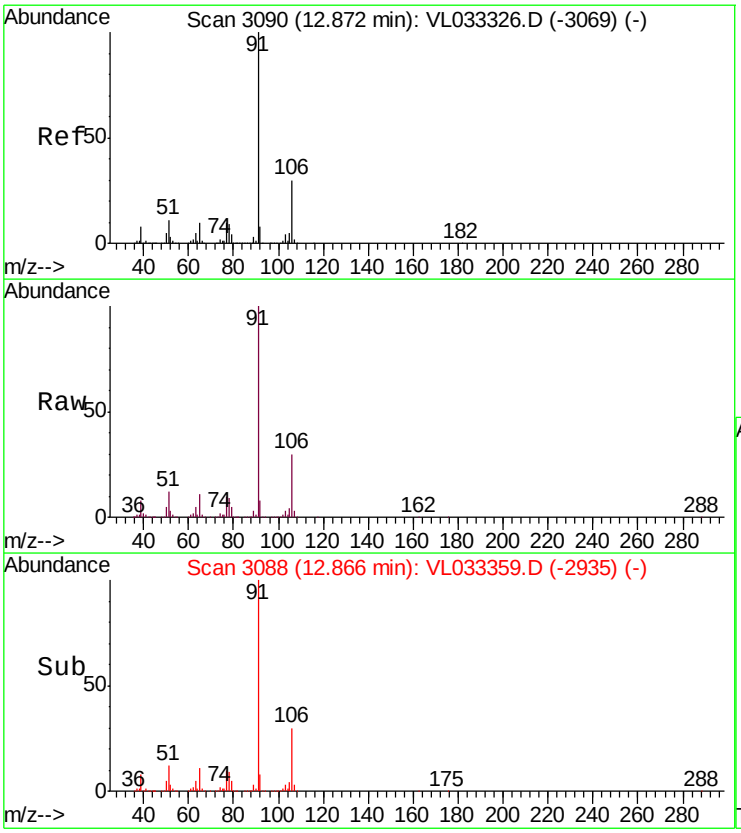
#57
Chlorobenzene
Concen: 7.865 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1582816

Ion	Ratio	Lower	Upper
112	100		
77	71.3	55.8	83.6
114	32.4	28.6	35.0

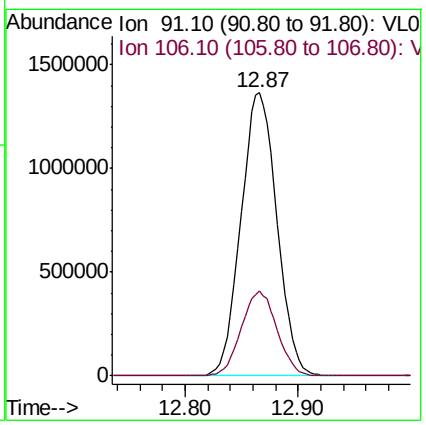


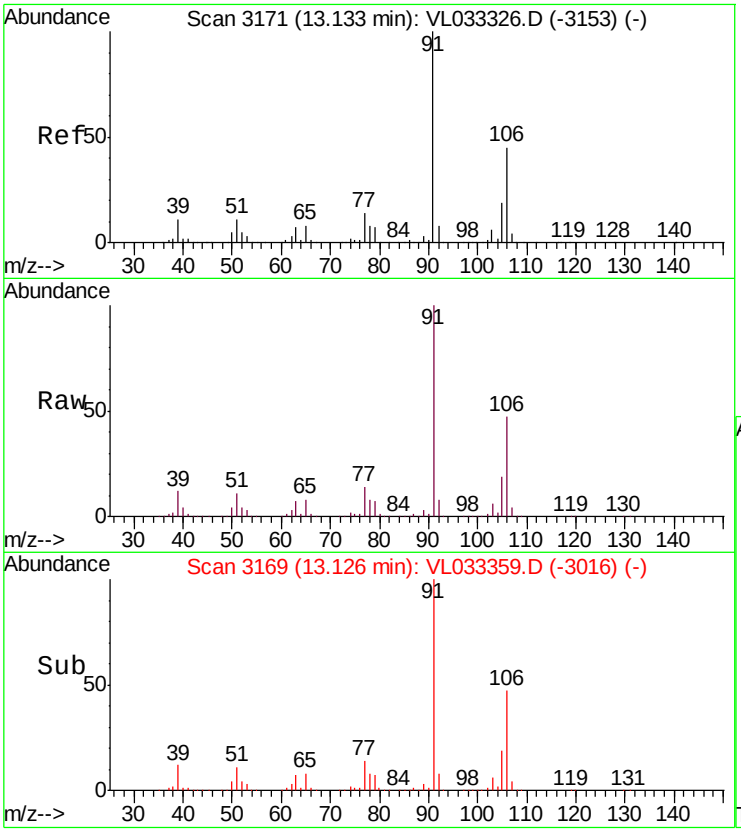


#58
Ethyl Benzene
Concen: 8.394 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 91 Resp: 3016985

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.2



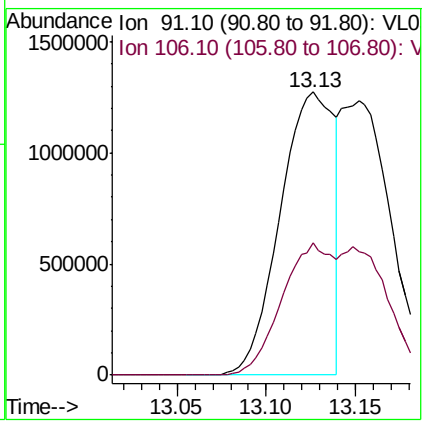


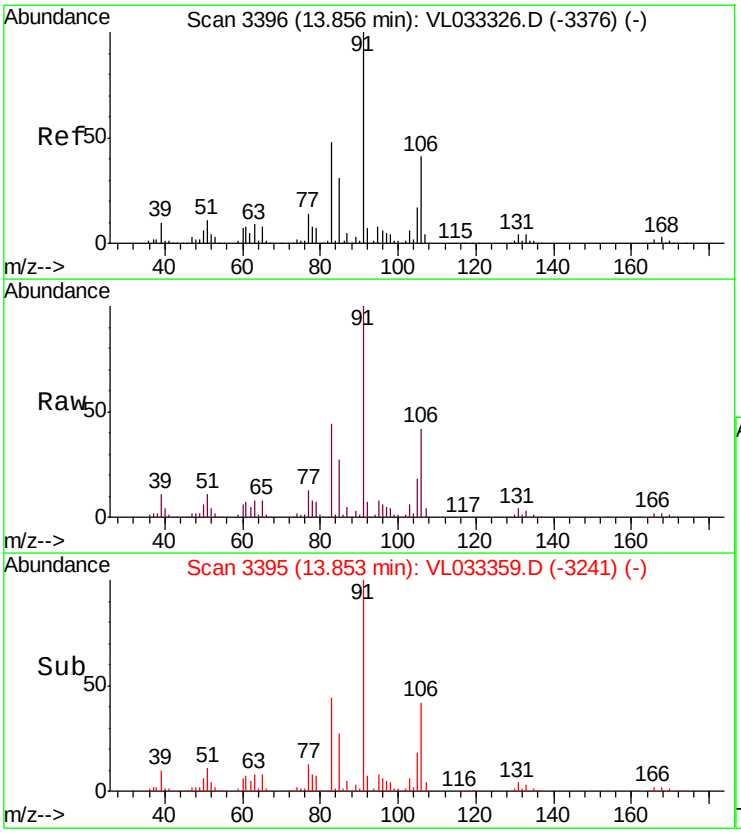
#59
m/p-Xylene
Concen: 8.629 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2665515

Ion	Ratio	Lower	Upper
91	100		
106	84.7	0.0	0.0#

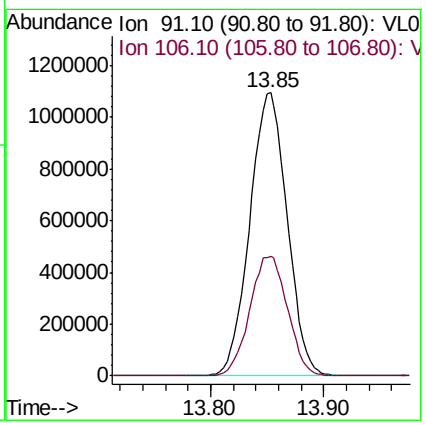


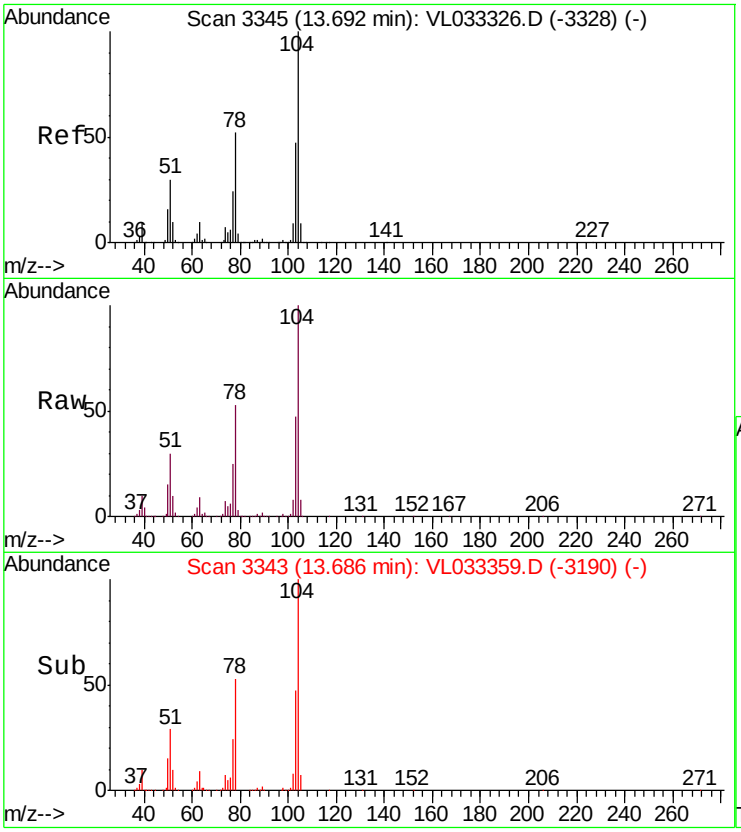


#60
o-Xylene
Concen: 8.313 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 91 Resp: 2505292

Ion	Ratio	Lower	Upper
91	100		
106	42.8	21.3	63.9



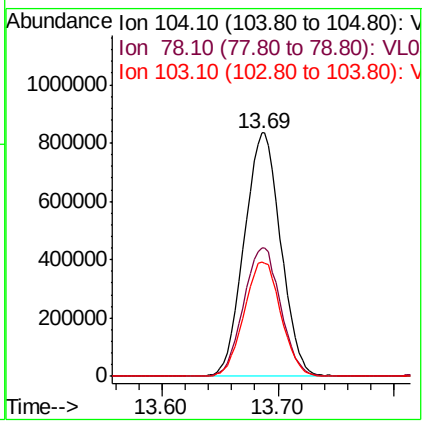


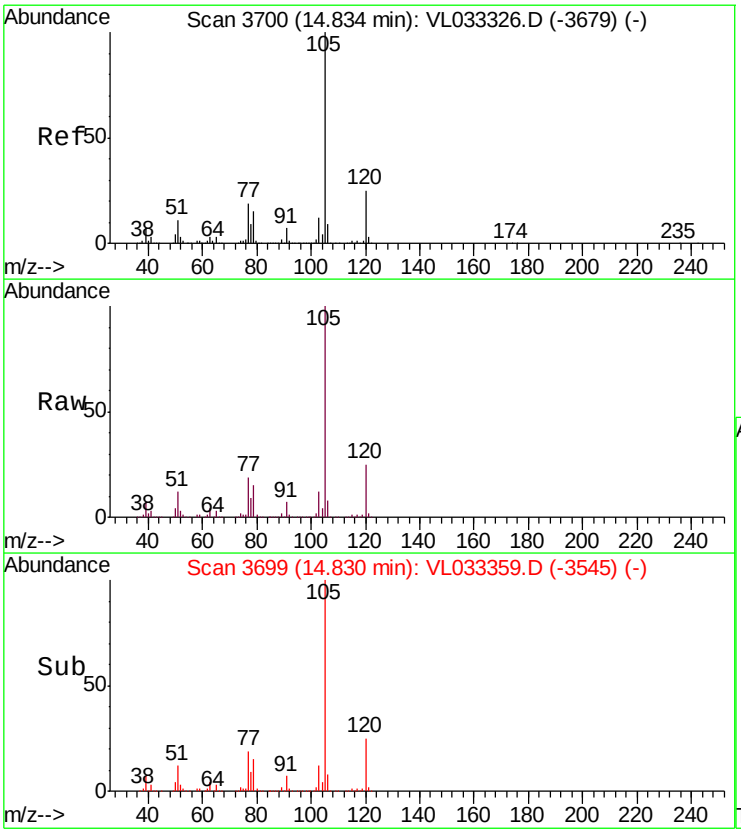
#61
Styrene
Concen: 8.668 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1828929

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.7	64.1
103	47.6	38.0	57.0

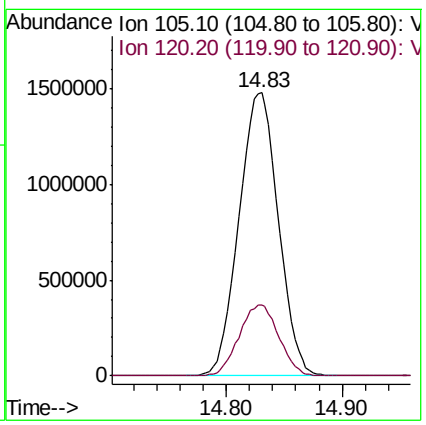


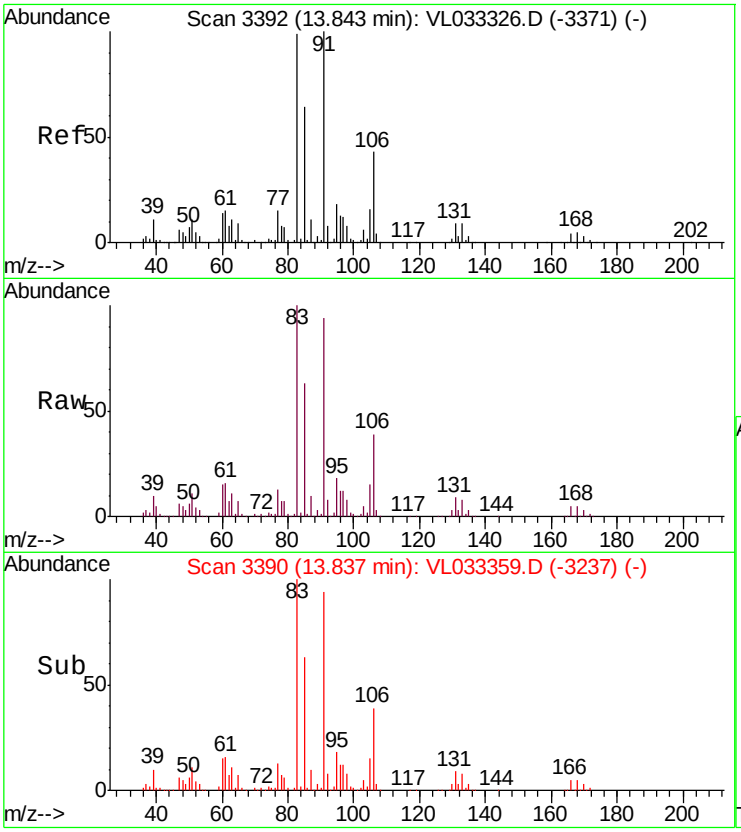


#62
Isopropylbenzene
Concen: 8.314 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:105 Resp: 3483160

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9



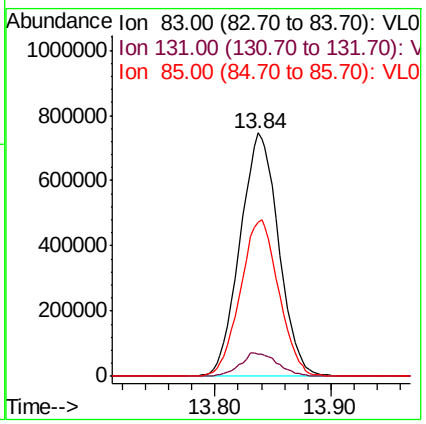


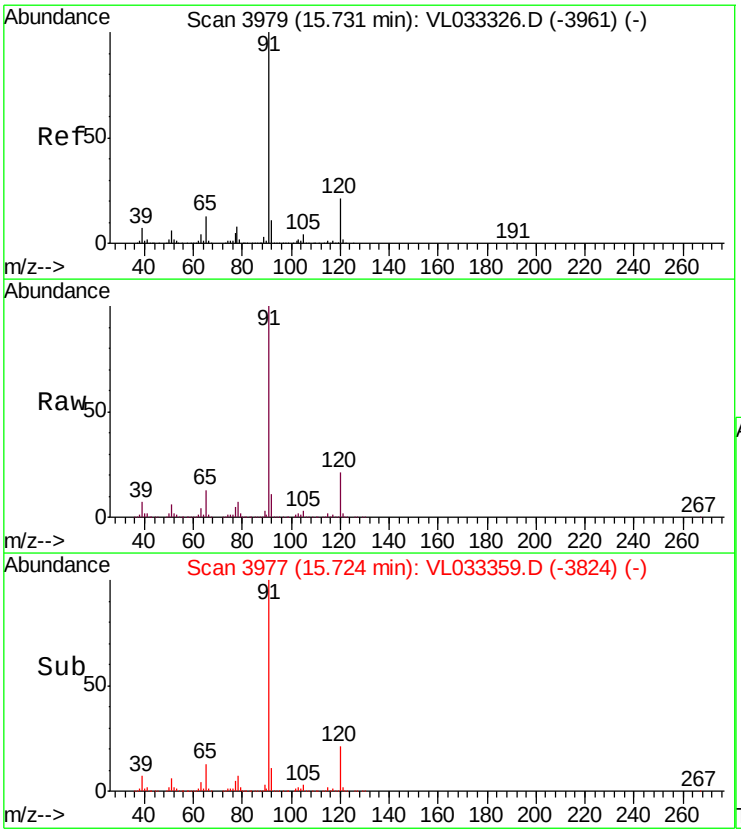
#63
1,1,2,2-Tetrachloroethane
Concen: 7.911 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1723428

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	64.4	32.5	97.4

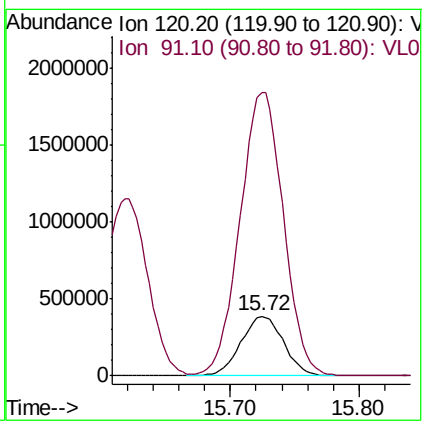


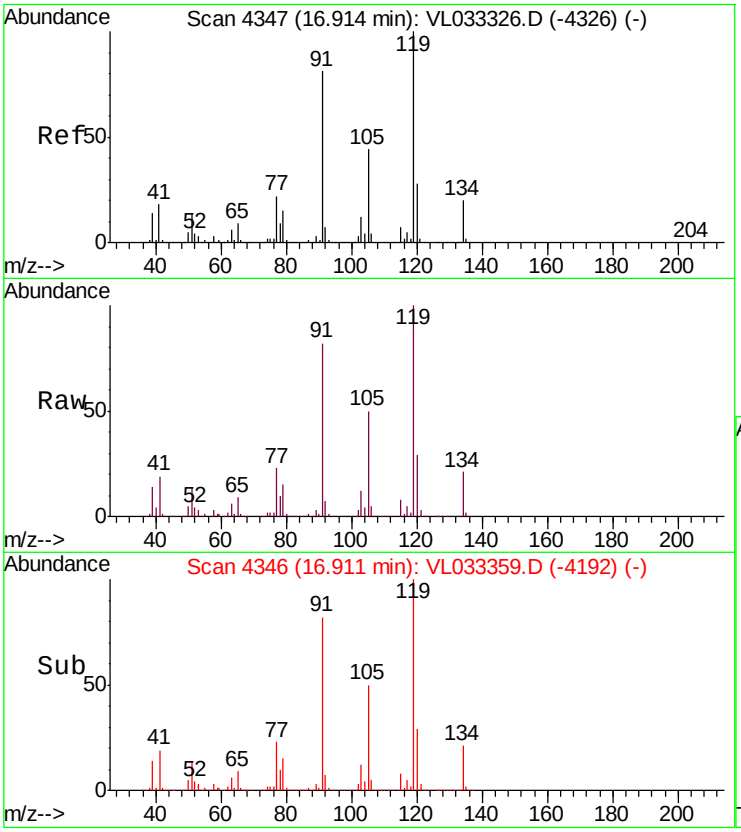


#64
n-propylbenzene
Concen: 8.384 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:120 Resp: 888860

Ion	Ratio	Lower	Upper
120	100		
91	487.5	389.8	584.6



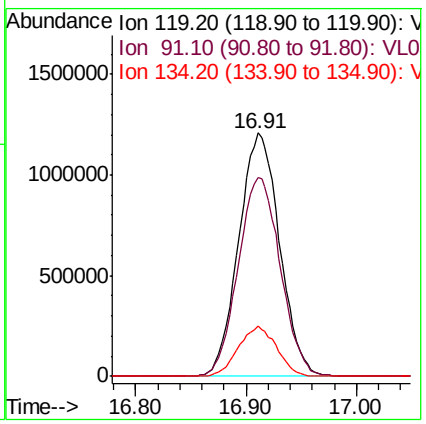


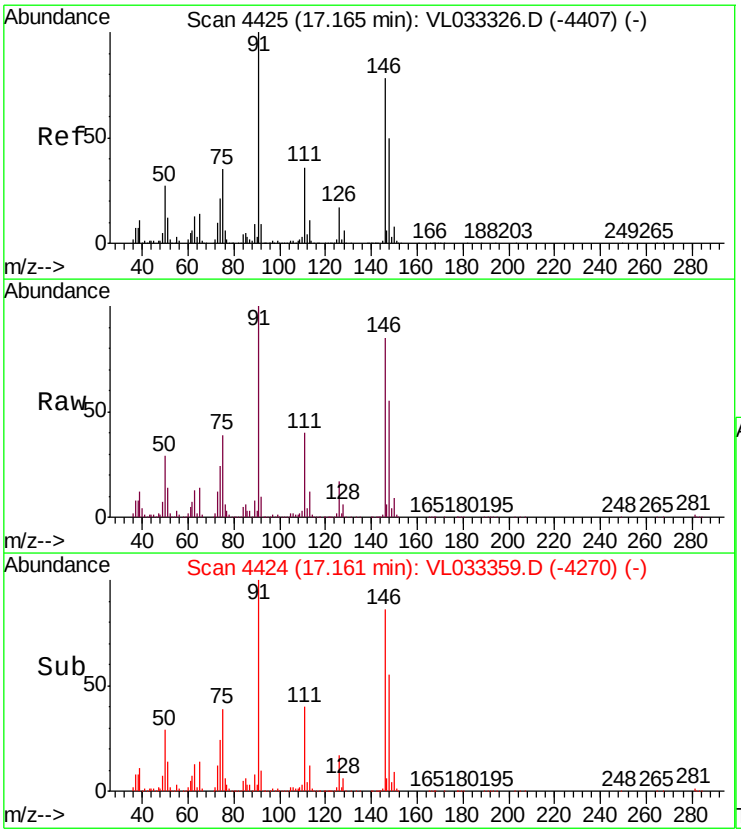
#65
tert-Butylbenzene
Concen: 8.216 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3099110

Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.2	100.8
134	19.4	15.4	23.2

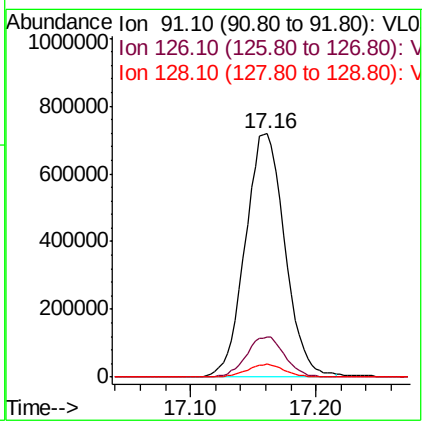


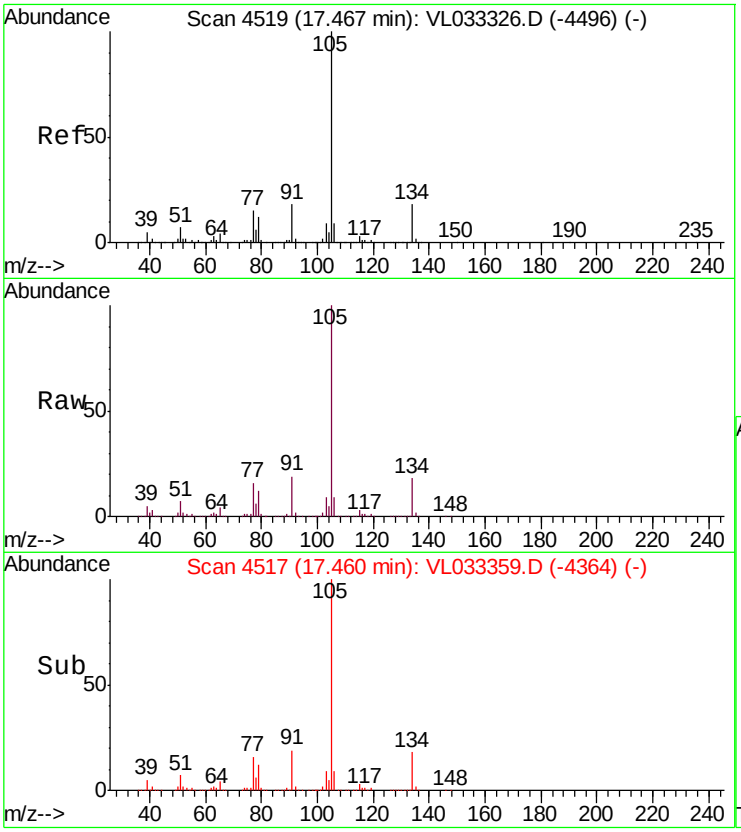


#66
Benzyl Chloride
Concen: 10.132 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 91 Resp: 1579306

Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.2	19.8
128	5.0	4.2	6.4



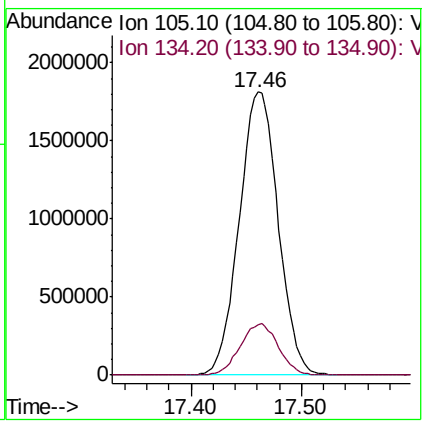


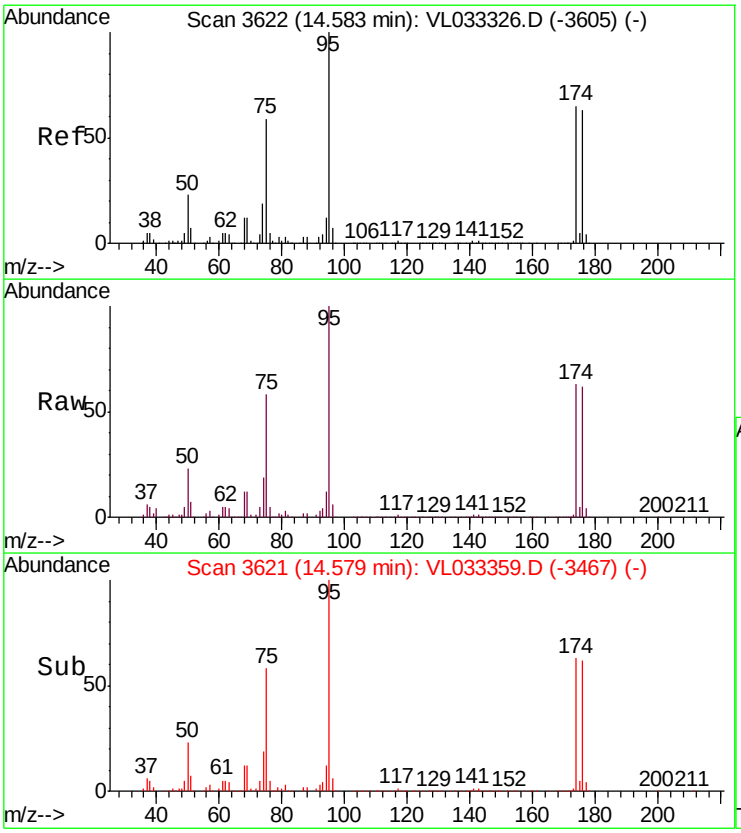
#67
sec-Butylbenzene
Concen: 8.283 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 4426943

Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.2	21.4

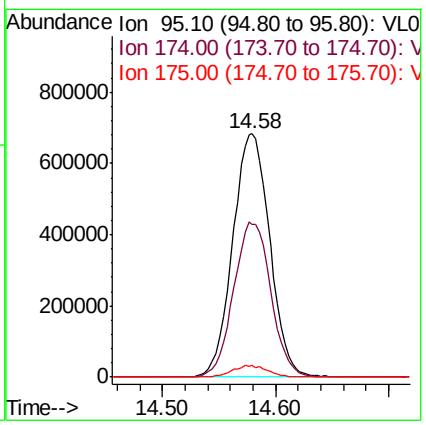


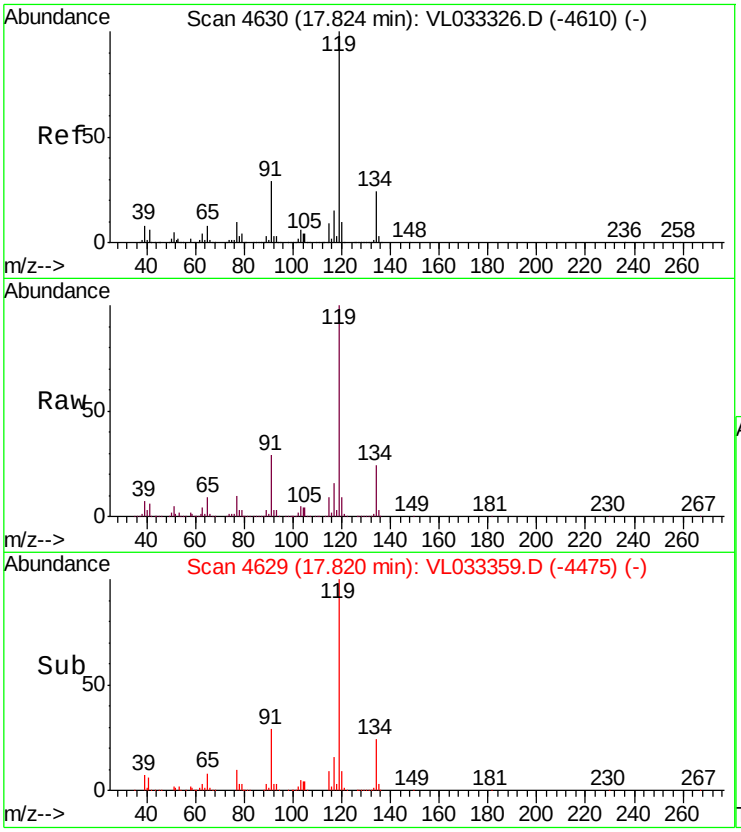


#68
1-Bromo-4-Fluorobenzene
Concen: 8.237 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 95 Resp: 1550838

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.5	77.3
175	4.6	3.8	5.6



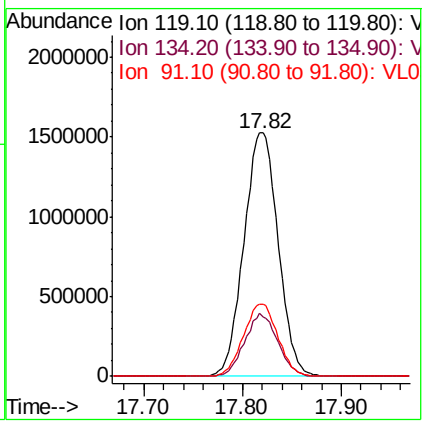


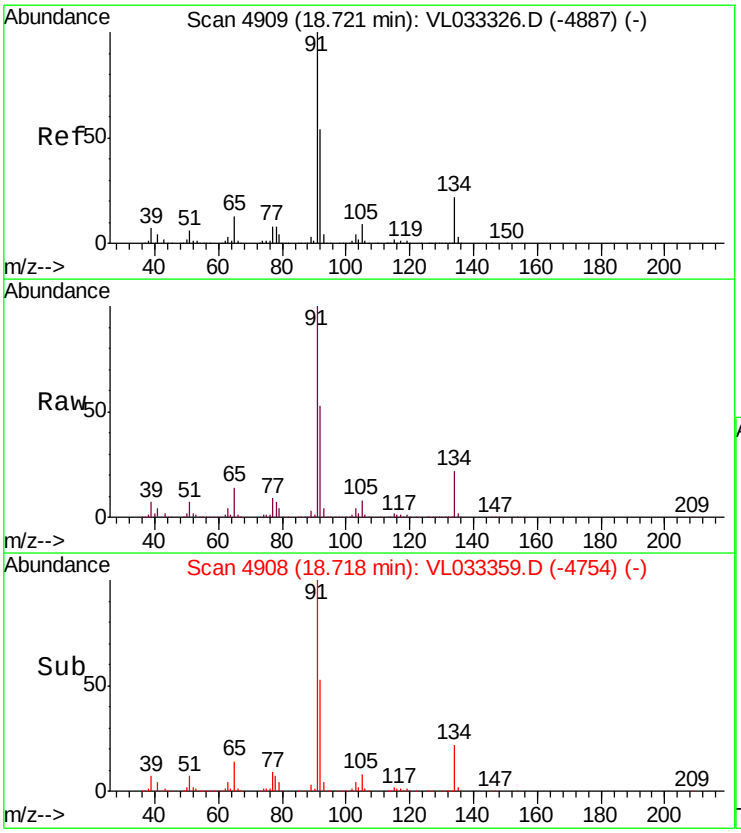
#69
p-Isopropyltoluene
Concen: 8.366 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3653071

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.6
91	29.9	23.4	35.2

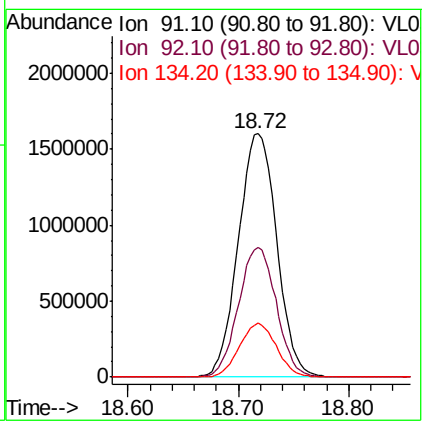


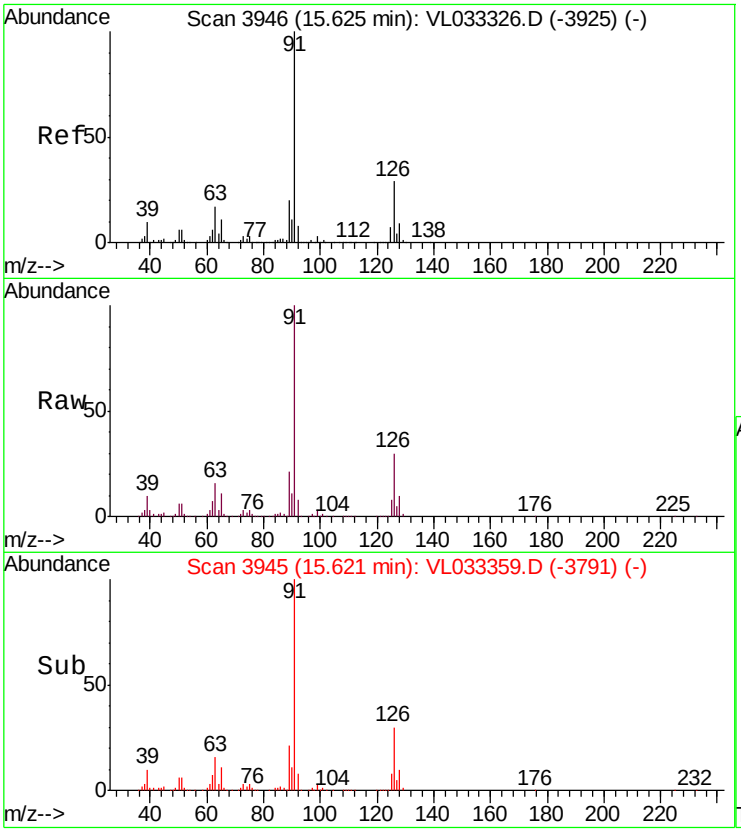


#70
n-Butylbenzene
Concen: 8.304 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion: 91 Resp: 3866441

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



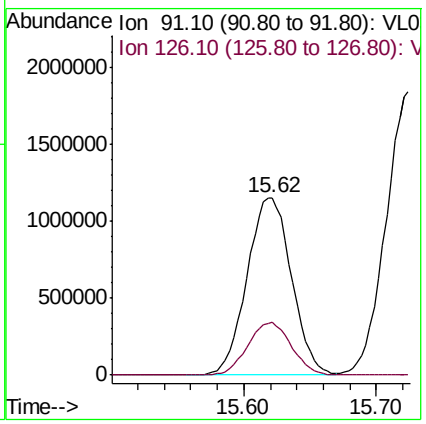


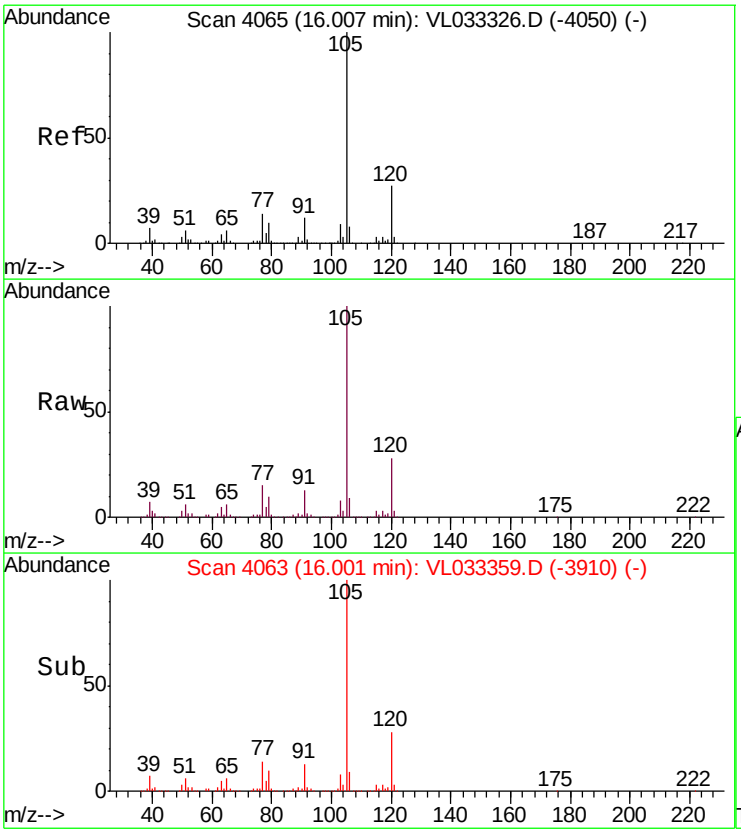
#71
2-Chlorotoluene
Concen: 8.277 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2699187

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.6	46.6

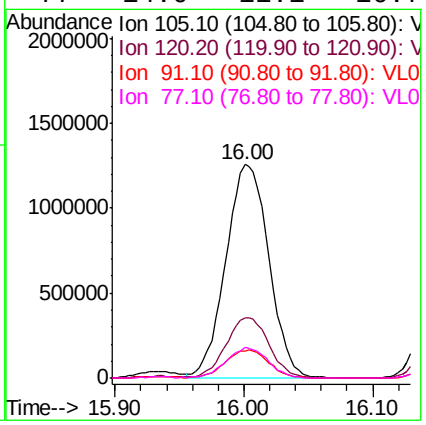


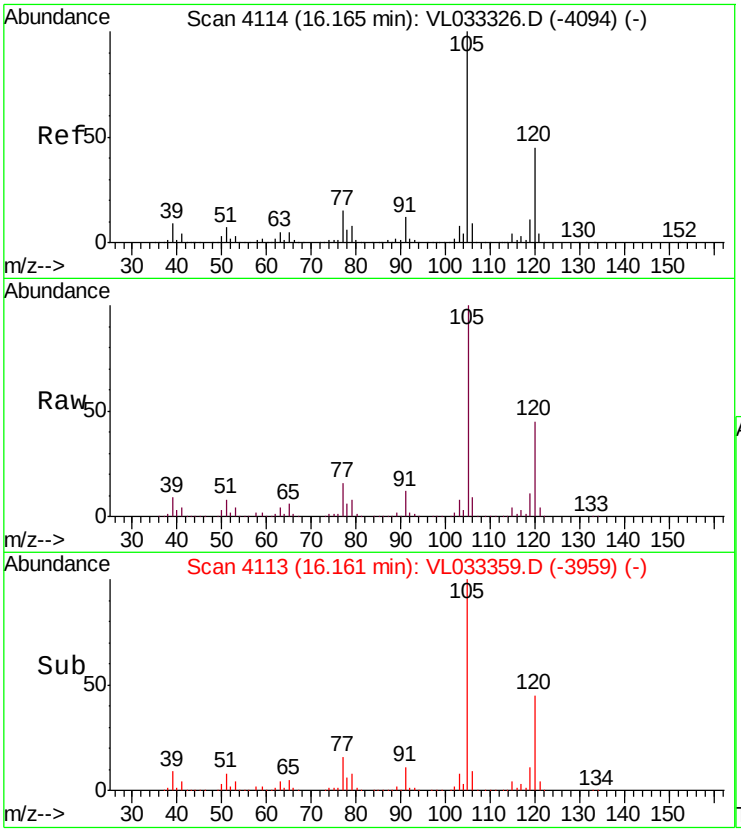


#72
4-Ethyltoluene
Concen: 8.506 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:105 Resp: 2911122

Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.9	34.3
91	13.2	10.2	15.2
77	14.0	11.1	16.7



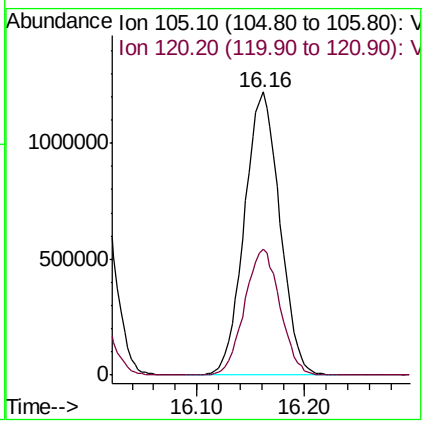


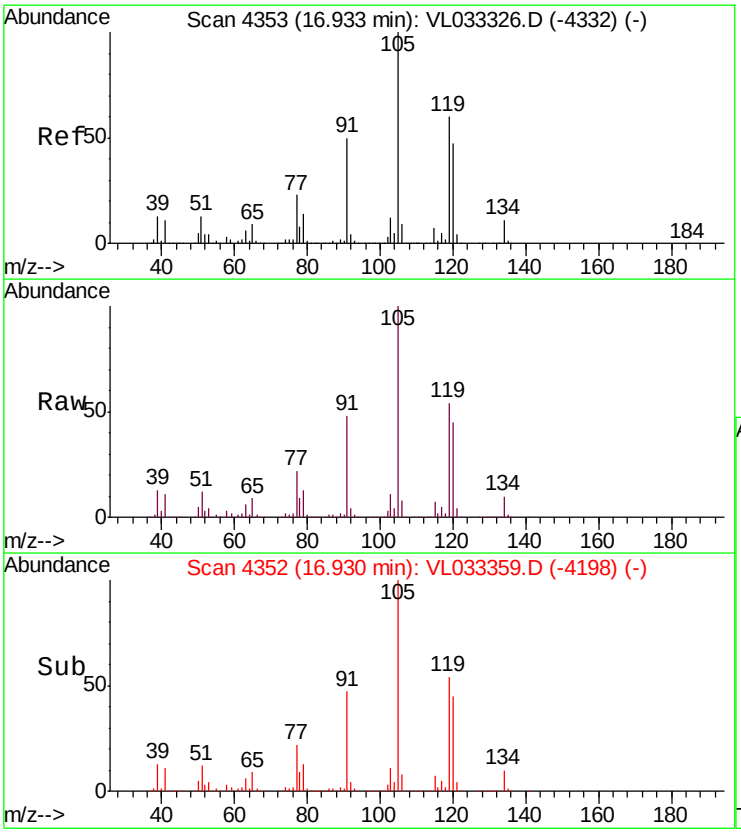
#73
1,3,5-Trimethylbenzene
Concen: 8.329 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2776958

Ion	Ratio	Lower	Upper
105	100		
120	44.6	36.2	54.4

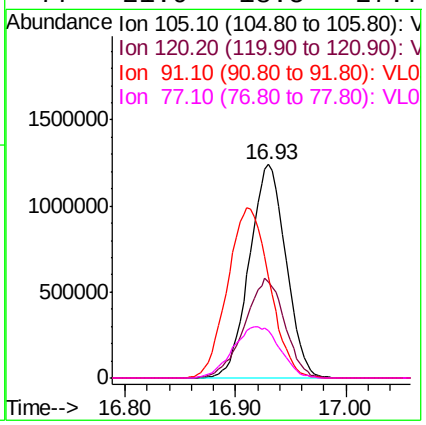


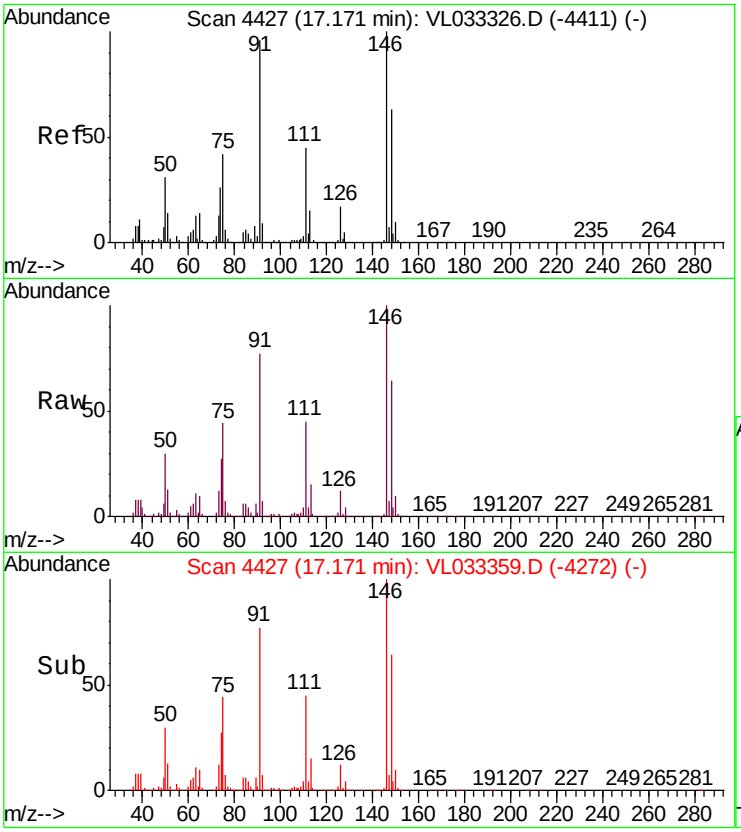


#74
1,2,4-Trimethylbenzene
Concen: 8.055 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:105 Resp: 2844044

Ion	Ratio	Lower	Upper
105	100		
120	45.0	37.4	56.2
91	47.3	41.0	61.4
77	21.9	18.5	27.7



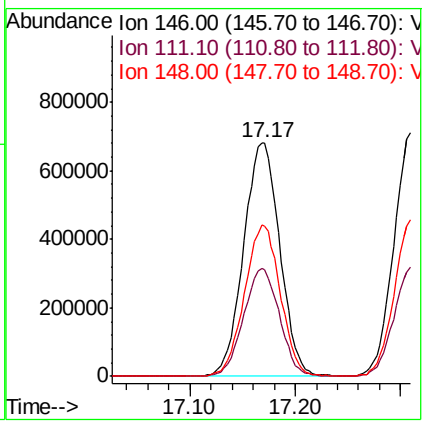


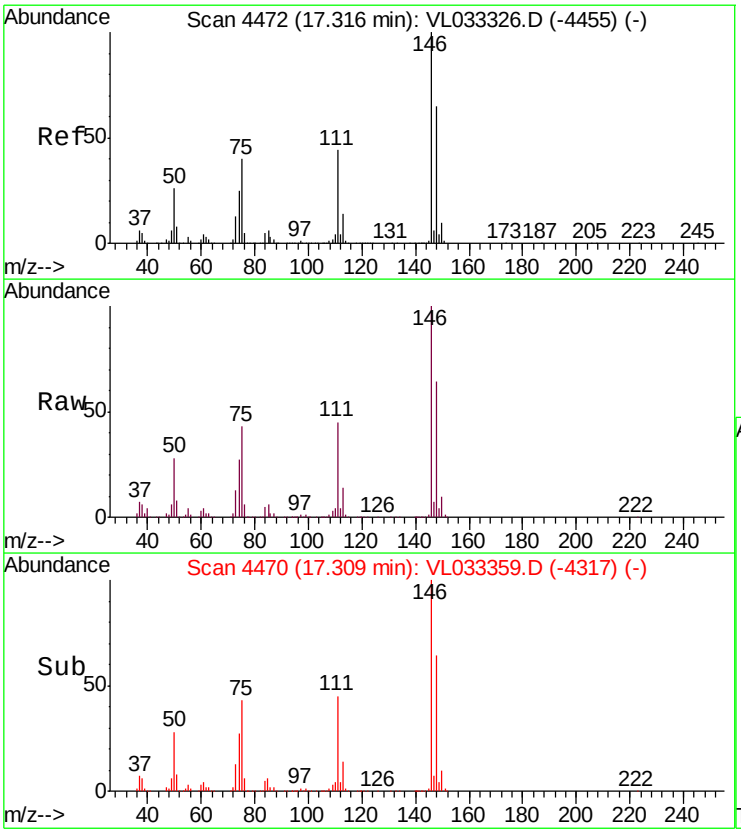
#75
1,3-Dichlorobenzene
Concen: 7.824 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1628306

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.3
148	64.0	31.9	95.7

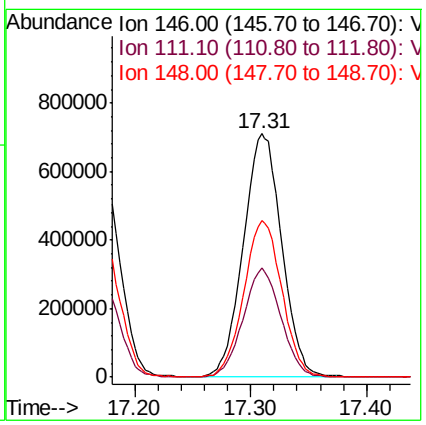


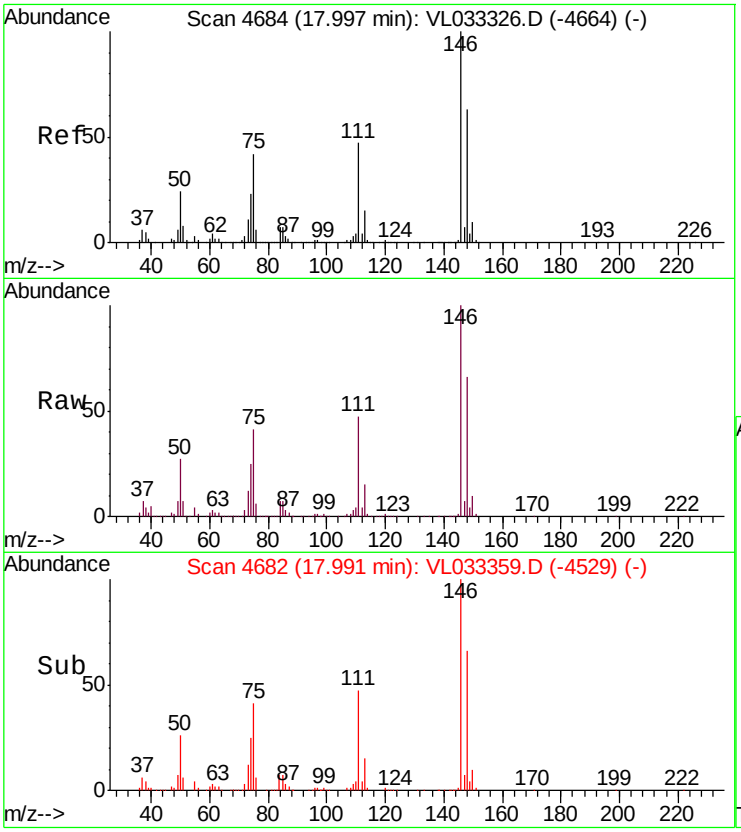


#76
1,4-Dichlorobenzene
Concen: 8.084 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:146 Resp: 1628845

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.7
148	64.5	32.1	96.5



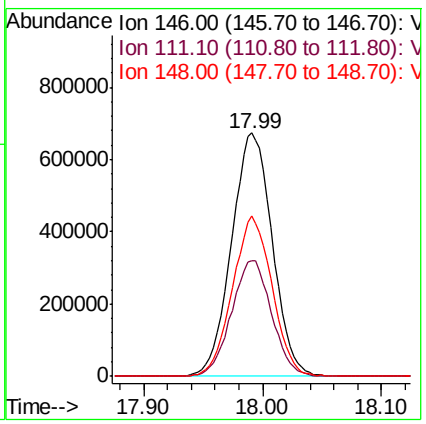


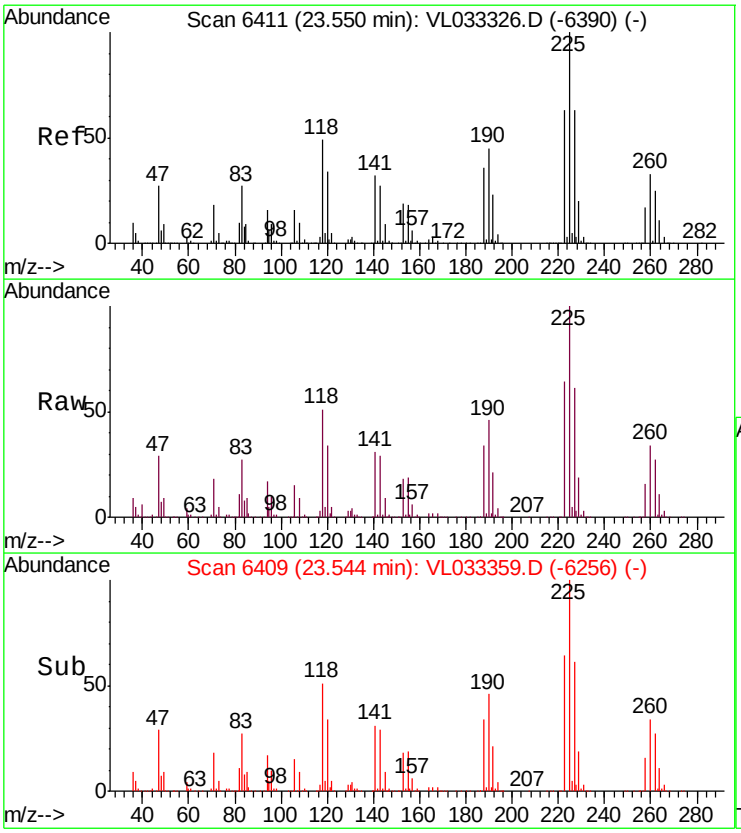
#77
1,2-Dichlorobenzene
Concen: 8.042 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1585056

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.6
148	64.3	31.9	95.9

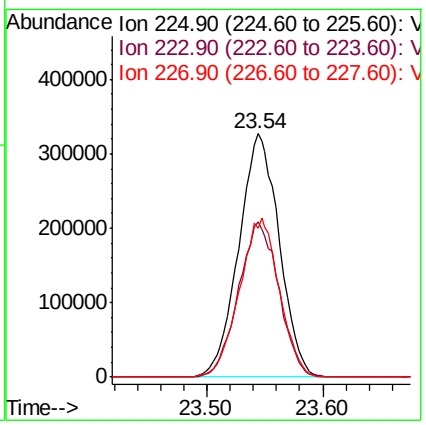


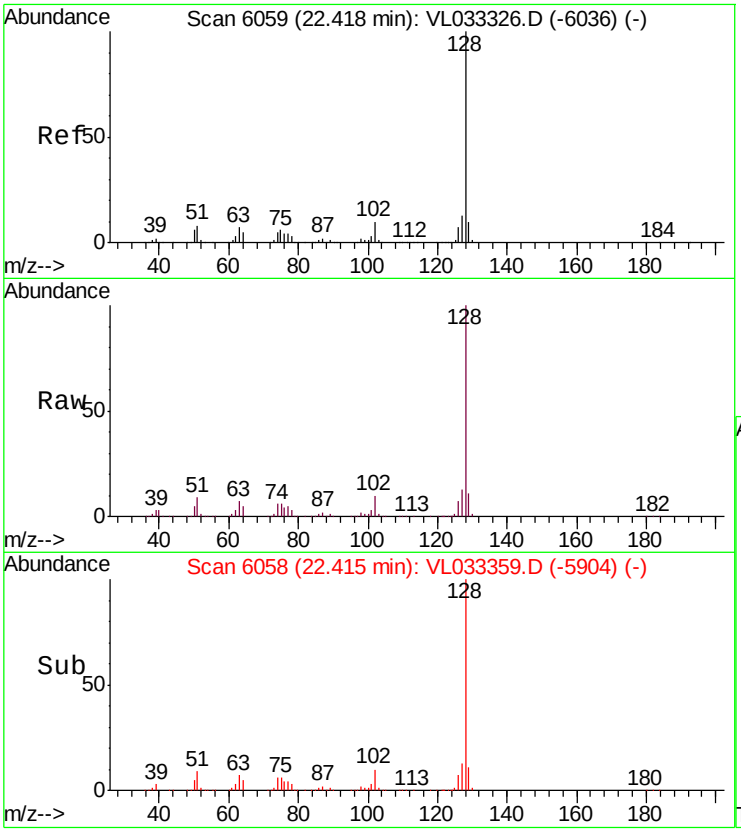


#78
Hexachloro-1,3-Butadiene
Concen: 6.698 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:225 Resp: 791509

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.4	75.6
227	64.6	50.5	75.7



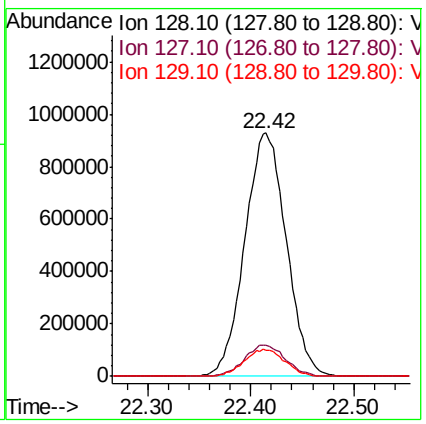


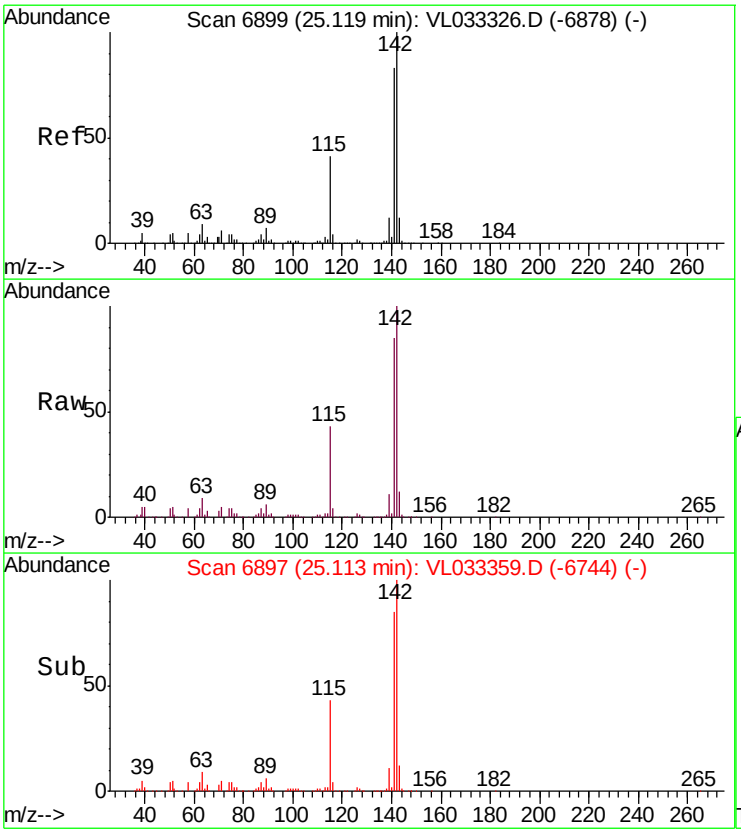
#79
Naphthalene
Concen: 7.615 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2591026

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.2	12.2

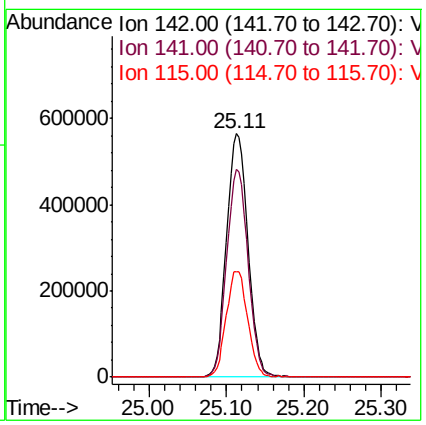


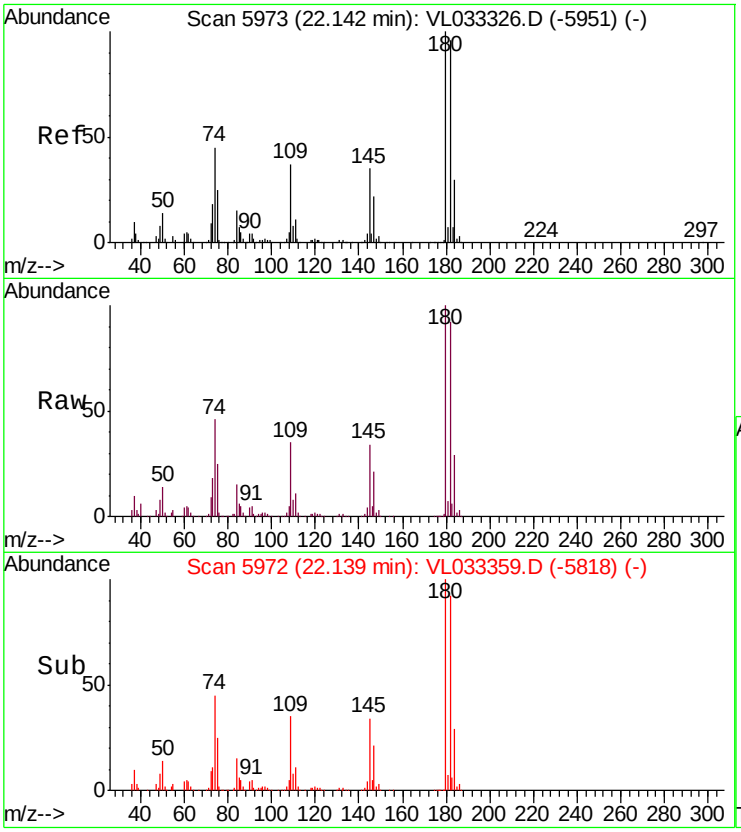


#80
Naphthalene,2-methyl-
Concen: 6.682 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.01 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Tgt Ion:142 Resp: 1078045

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	43.6	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 7.739 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033359.D
Acq: 18 Mar 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1342697

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
184	30.3	24.6	37.0