Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033333.D
Acq On : 15 Mar 2019 15:20
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Quant Time: Mar 15 15:50:57 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	5.77	49	832306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1990277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2804133	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1664659	8.01	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1334316	9.116	ppbv	97
3) Chlorodifluoromethane	3.01	51	916475	9.593	ppbv	100
4) Chloromethane	3.17	50	493312	9.536	ppbv	97
5) Vinyl Chloride	3.29	62	491356	9.208	ppbv	99
6) Bromomethane	3.52	94	305528	9.632	ppbv	98
7) Chloroethane	3.60	64	179886	9.647	ppbv	92
8) Dichlorotetrafluoroethane	3.22	85	1180999	9.478	ppbv	99
9) Propene	3.04	41	422947	9.918	ppbv	98
10) Heptane	8.25	43	1085916	10.266	ppbv	99
11) Trichlorofluoromethane	4.00	101	1366665	9.377	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	912608	9.438	ppbv	98
13) Ethanol	3.65	45	93125	4.581	ppbv	98
14) Bromoethene	3.79	108	402606	9.989	ppbv	100
15) Acetone	3.90	43	904277	6.989	ppbv	99
16) 1,3-Butadiene	3.36	39	411472	9.792	ppbv	97
17) tert-Butyl alcohol	4.36	59	166018	9.118	ppbv	100
18) 1,1-Dichloroethene	4.35	96	411373	9.304	ppbv	96
19) Isopropyl Alcohol	4.02	45	570740	9.274	ppbv	99
20) Methylene Chloride	4.41	84	344883	8.173	ppbv	99
21) Allyl Chloride	4.48	41	649976	10.356	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	408822	9.541	ppbv	95
23) Vinyl Acetate	5.16	43	1524114	10.181	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1043763	9.654	ppbv	98
25) Ethyl Acetate	5.77	43	1809857	9.623	ppbv	100
26) Hexane	5.78	57	808993	9.622	ppbv	99
27) Carbon Disulfide	4.62	76	1030922	10.651	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1264281	10.123	ppbv	100
29) Chloroform	5.85	83	1360955	9.885	ppbv	99
30) Cyclohexane	7.25	84	714648	10.601	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	864650	10.285	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1329011	9.832	ppbv	99
34) 2-Butanone	5.33	43	1175035	8.990	ppbv	99
35) Carbon Tetrachloride	7.14	117	1421957	10.134	ppbv	98
36) Benzene	7.01	78	1719672	9.655	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1041581	9.248	ppbv	100
38) Trichloroethene	7.97	130	641189	9.513	ppbv	97
39) 1,2-Dichloropropane	7.74	63	648041	9.715	ppbv	99
40) 1,4-Dioxane	7.95	88	224166	9.543	ppbv	95
41) Tetrahydrofuran	6.15	42	703045	10.079	ppbv	100
42) Bromodichloromethane	7.92	83	1475182	9.769	ppbv	99
43) Methyl Methacrylate	8.14	69	698368	10.070	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033333.D
Acq On : 15 Mar 2019 15:20
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Quant Time: Mar 15 15:50:57 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	2830866	9.596	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	965313	11.274	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1085212	10.763	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	709315	9.624	ppbv		94
48) Dibromochloromethane	10.46	129	1443808	11.681	ppbv		100
49) Bromoform	13.21	173	1278515	10.904	ppbv		100
50) 4-Methyl-2-Pentanone	8.88	43	1751073	9.484	ppbv		100
51) 2-Hexanone	10.28	43	1600156	11.234	ppbv	#	100
52) Tetrachloroethene	11.38	164	732678	9.874	ppbv		98
53) Toluene	9.95	91	2301082	11.369	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1307861	10.497	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1000588	7.977	ppbv	#	94
57) Chlorobenzene	12.31	112	1714307	7.719	ppbv		99
58) Ethyl Benzene	12.87	91	3241308	8.171	ppbv		99
59) m/p-Xylene	13.13	91	2645893	7.761	ppbv	#	100
60) o-Xylene	13.86	91	2607530	7.840	ppbv		100
61) Styrene	13.69	104	1964659	8.437	ppbv		99
62) Isopropylbenzene	14.83	105	3619042	7.827	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1799948	7.487	ppbv		100
64) n-propylbenzene	15.73	120	909255	7.772	ppbv		100
65) tert-Butylbenzene	16.92	119	3205514	7.701	ppbv		99
66) Benzyl Chloride	17.16	91	1772079	10.302	ppbv		99
67) sec-Butylbenzene	17.47	105	4582296	7.768	ppbv		100
69) p-Isopropyltoluene	17.82	119	3786256	7.857	ppbv		99
70) n-Butylbenzene	18.72	91	4029153	7.841	ppbv		100
71) 2-Chlorotoluene	15.62	91	2803800	7.790	ppbv		100
72) 4-Ethyltoluene	16.01	105	2977979	7.885	ppbv		99
73) 1,3,5-Trimethylbenzene	16.17	105	2834852	7.705	ppbv		98
74) 1,2,4-Trimethylbenzene	16.94	105	2960562	7.598	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	1709770	7.445	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	1713728	7.707	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	1666210	7.660	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1249262	9.579	ppbv		99
79) Naphthalene	22.42	128	2919240	7.774	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1665507	9.354	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	1461822	7.634	ppbv		100

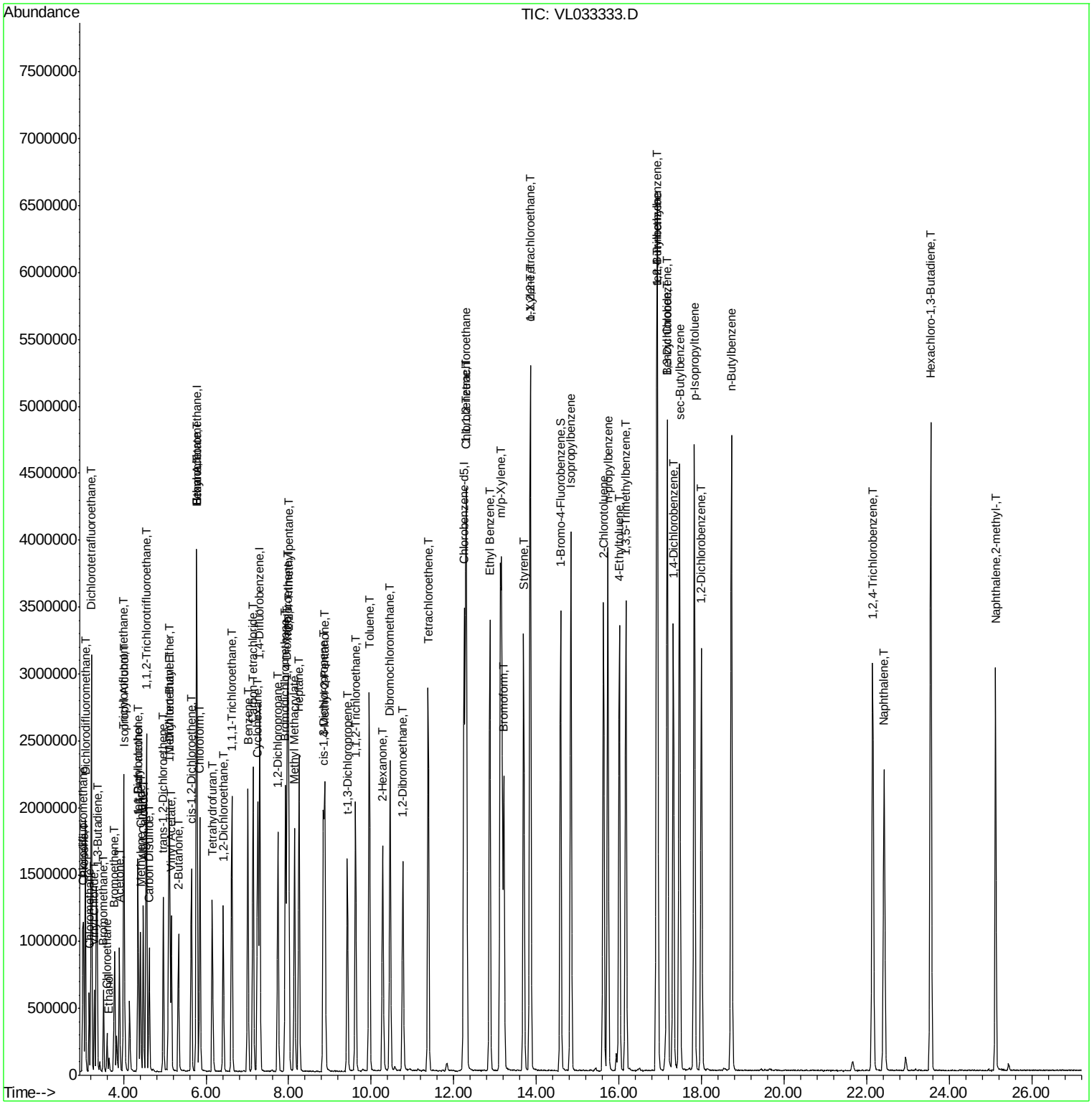
(#) = qualifier out of range (m) = manual integration (+) = signals summed

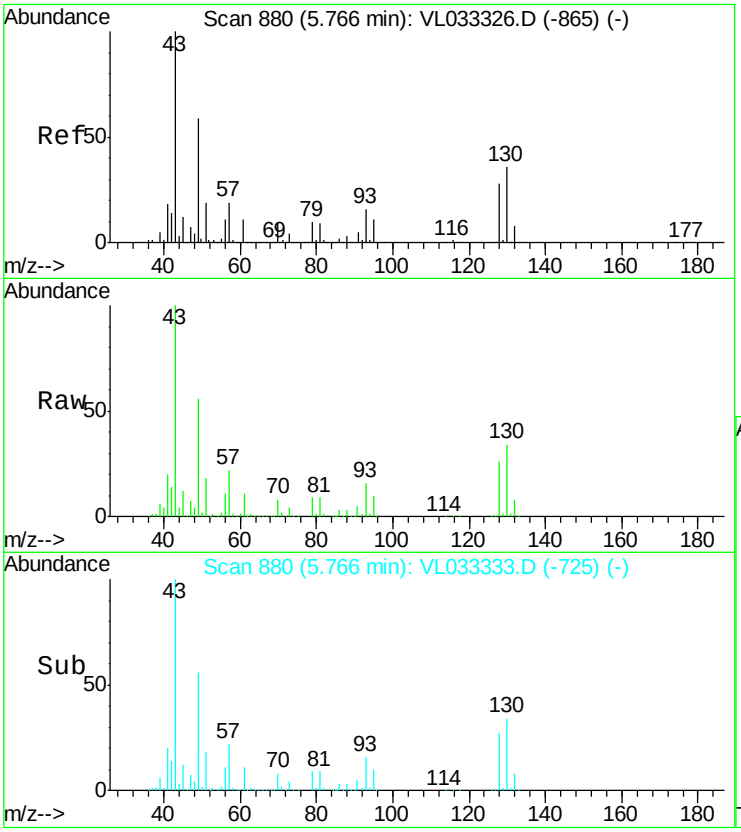
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033333.D
Acq On : 15 Mar 2019 15:20
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Quant Time: Mar 15 15:50:57 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



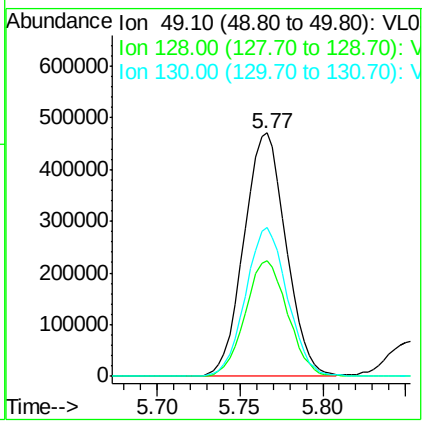


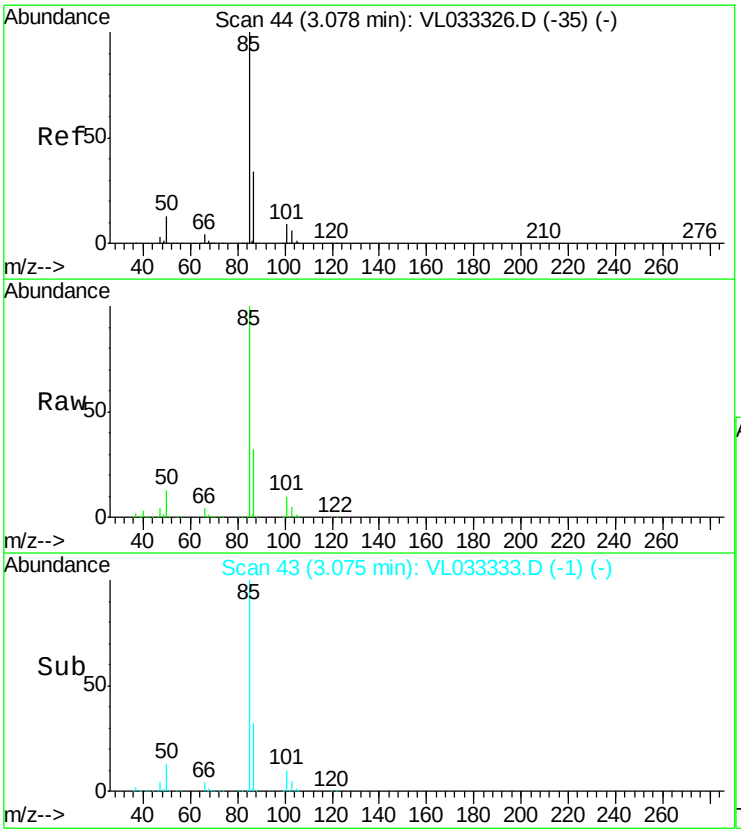
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 49 Resp: 832306

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.5	70.6
130	60.7	30.1	90.3

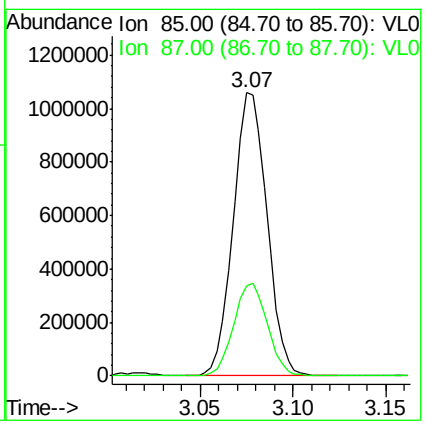


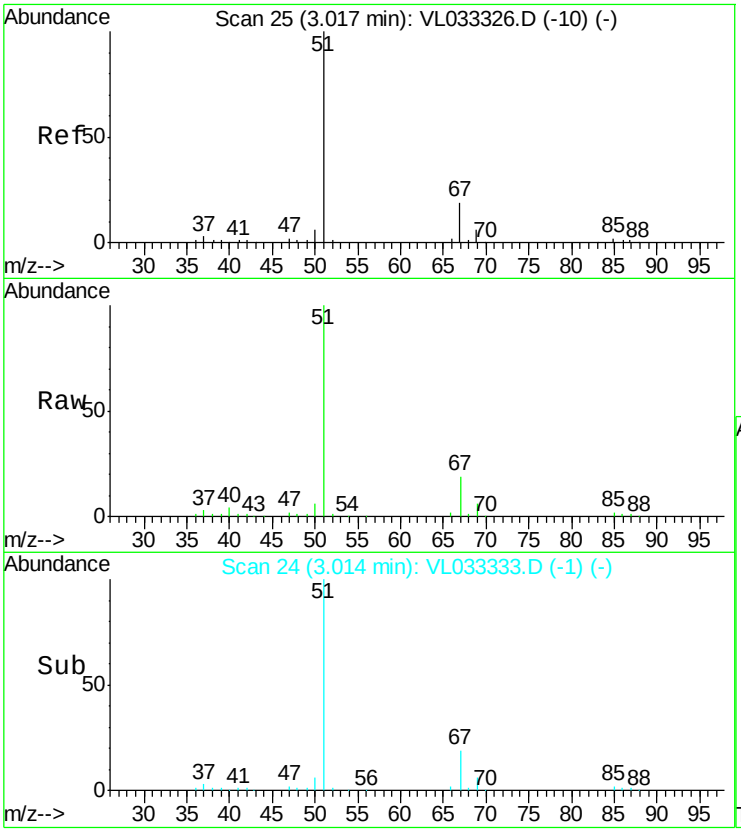


#2
Dichlorodifluoromethane
Concen: 9.116 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 85 Resp: 1334316

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.9	40.3



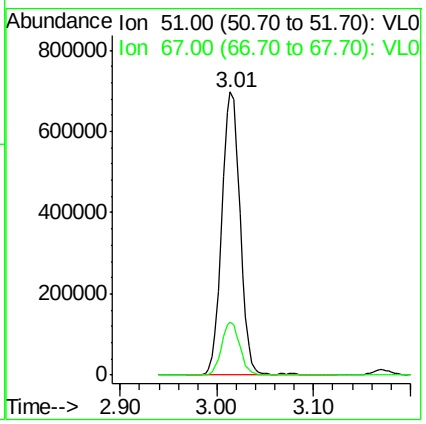


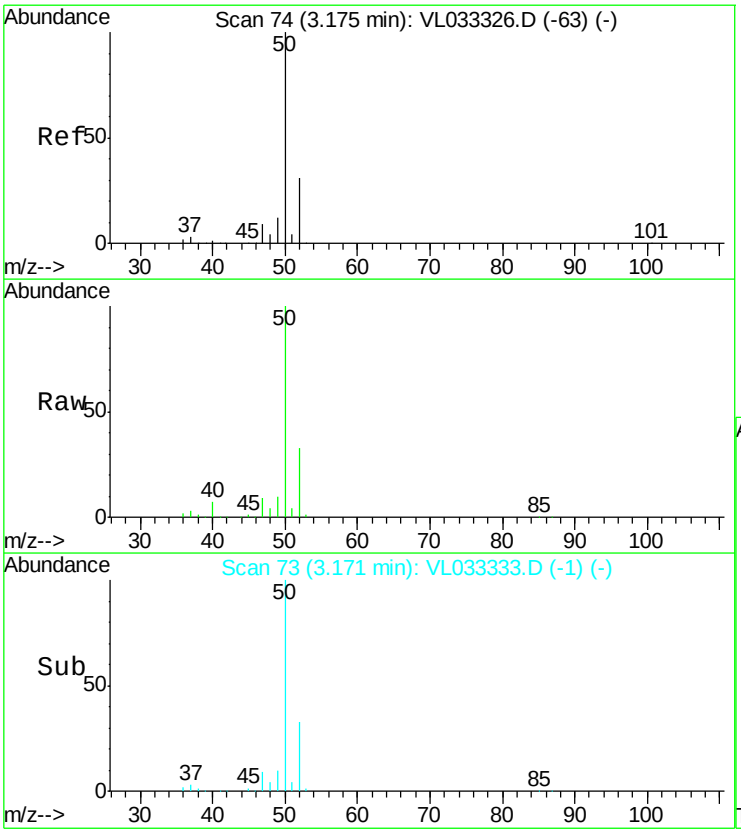
#3
Chlorodifluoromethane
Concen: 9.593 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 51 Resp: 916475

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

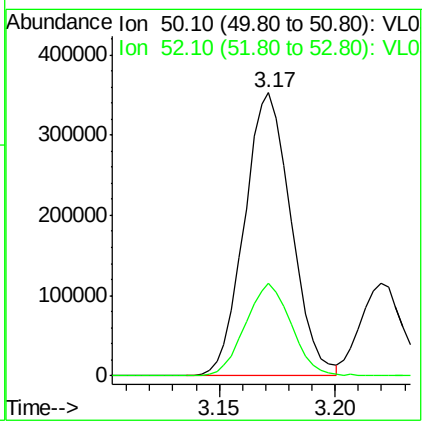


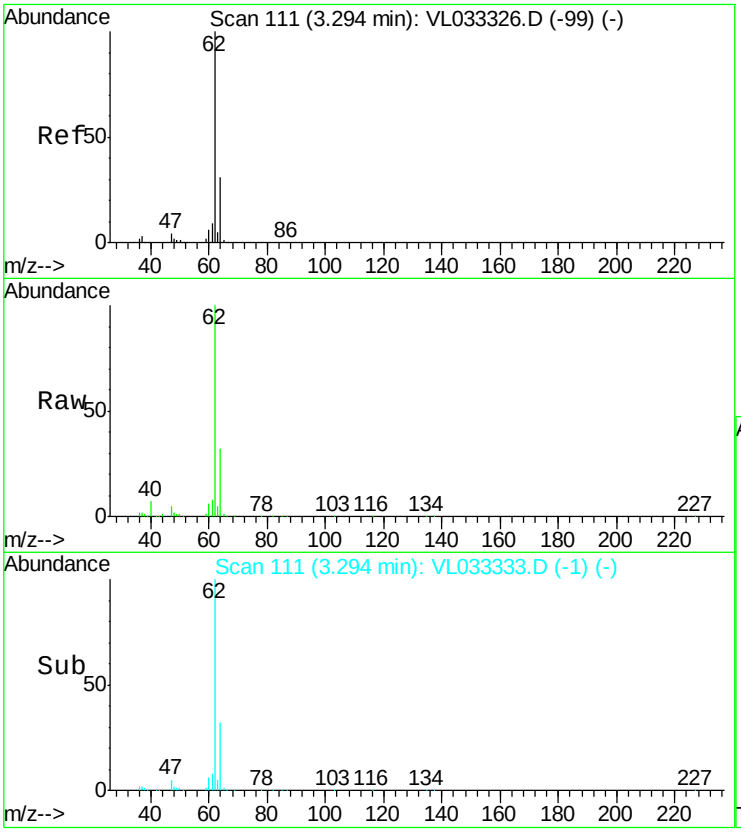


#4
Chloromethane
Concen: 9.536 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 50 Resp: 493312

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.0	37.6



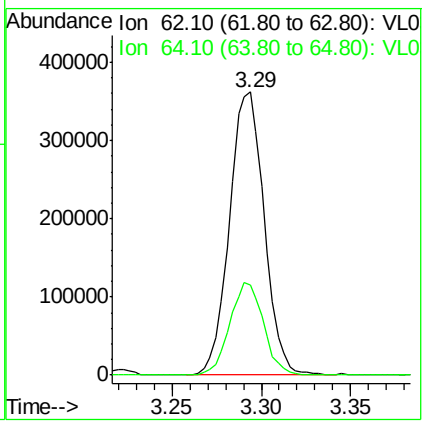


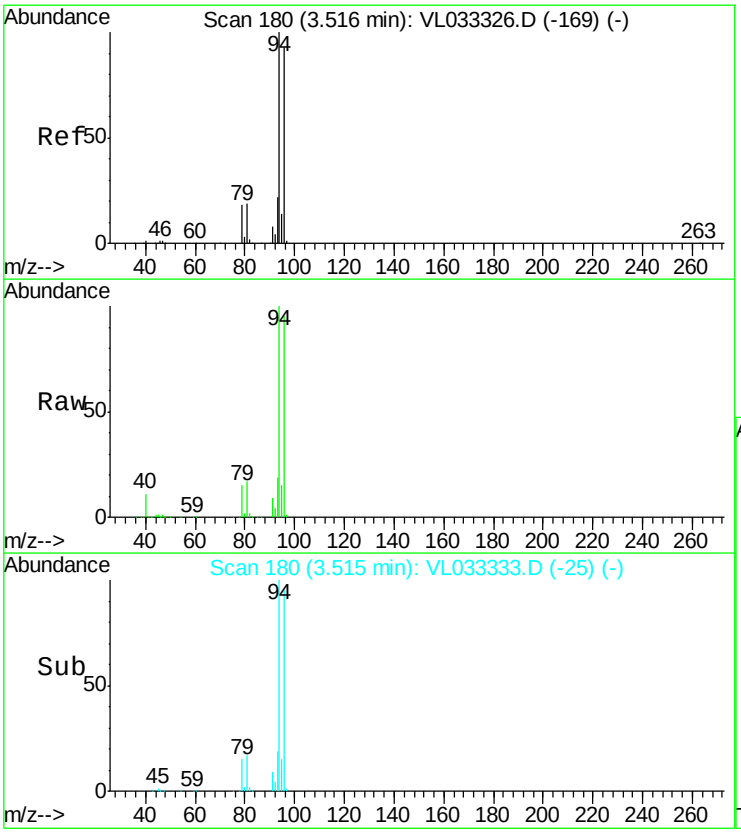
#5
Vinyl Chloride
Concen: 9.208 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 62 Resp: 491356

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.0	37.6

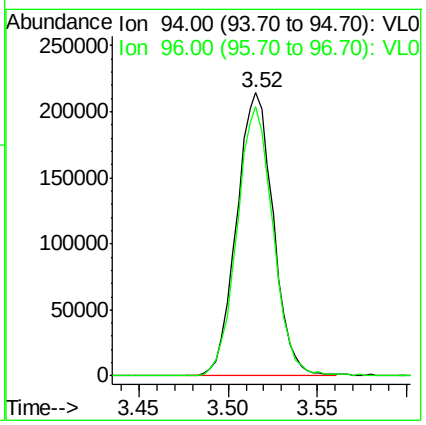


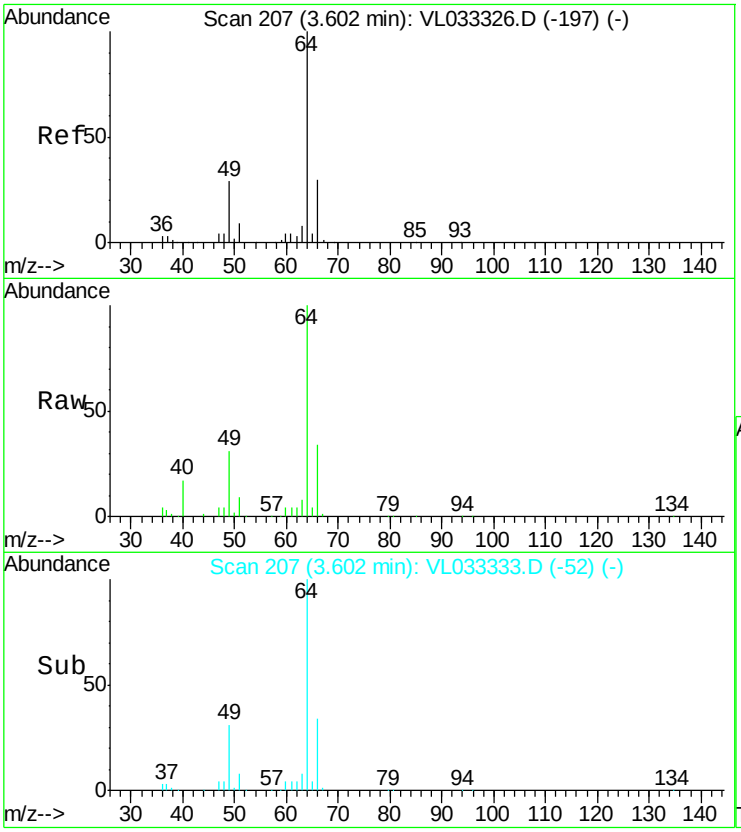


#6
Bromomethane
Concen: 9.632 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 94 Resp: 305528

Ion	Ratio	Lower	Upper
94	100		
96	95.0	74.6	111.8



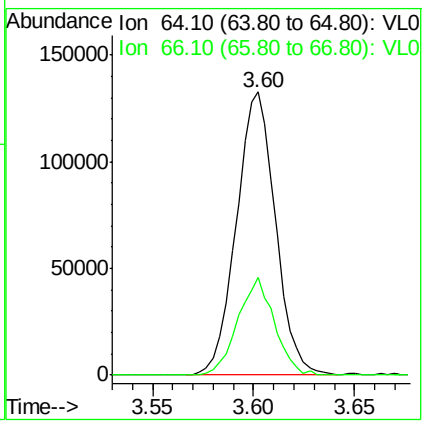


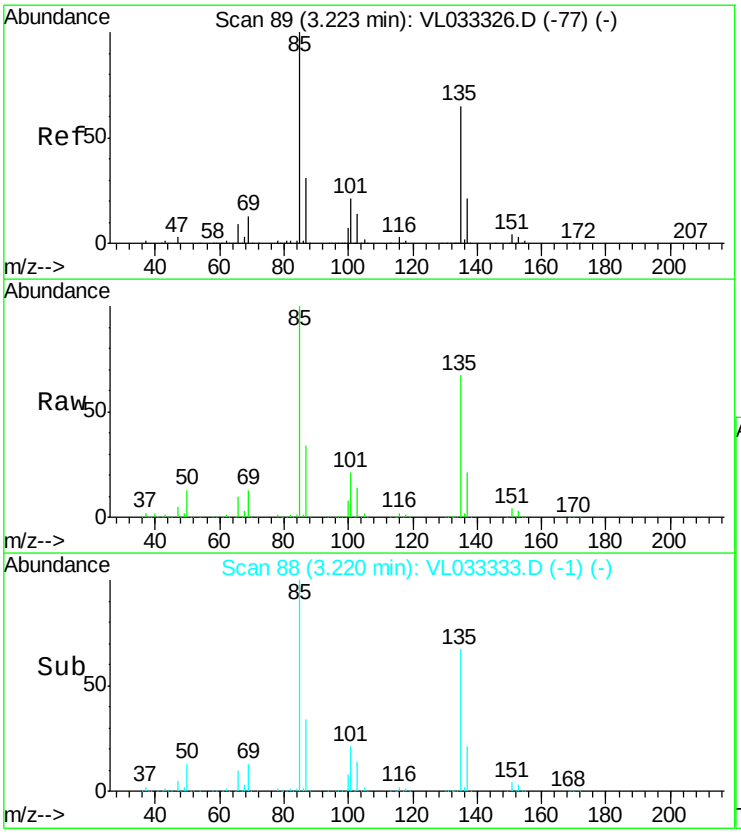
#7
Chloroethane
Concen: 9.647 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 64 Resp: 179886

Ion	Ratio	Lower	Upper
64	100		
66	34.4	24.0	36.0

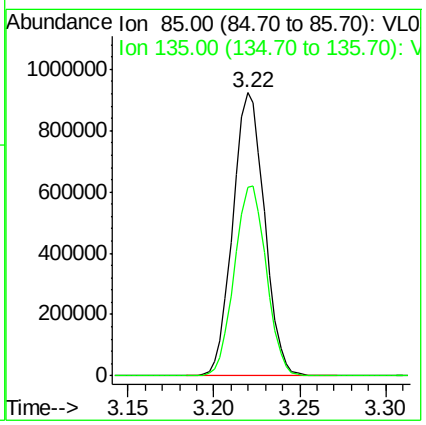


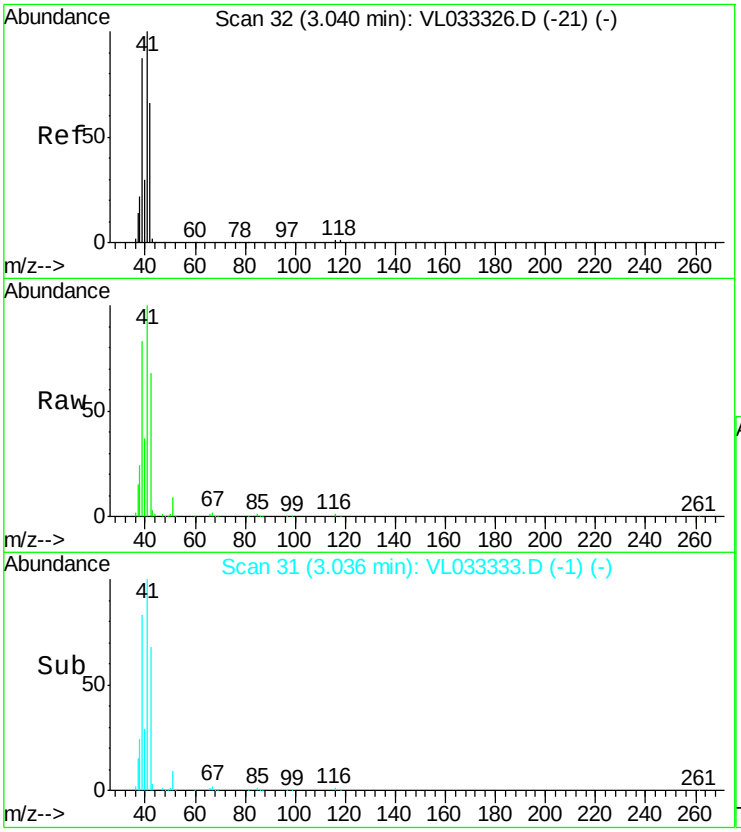


#8
Dichlorotetrafluoroethane
Concen: 9.478 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 85 Resp: 1180999

Ion	Ratio	Lower	Upper
85	100		
135	68.0	53.4	80.2



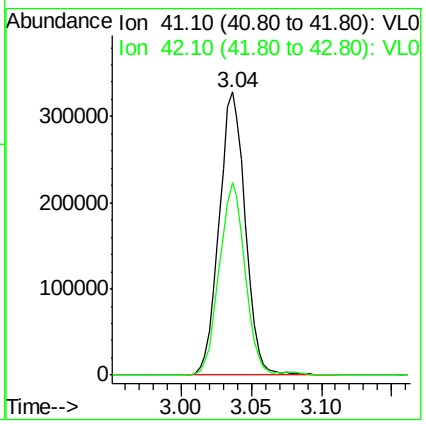


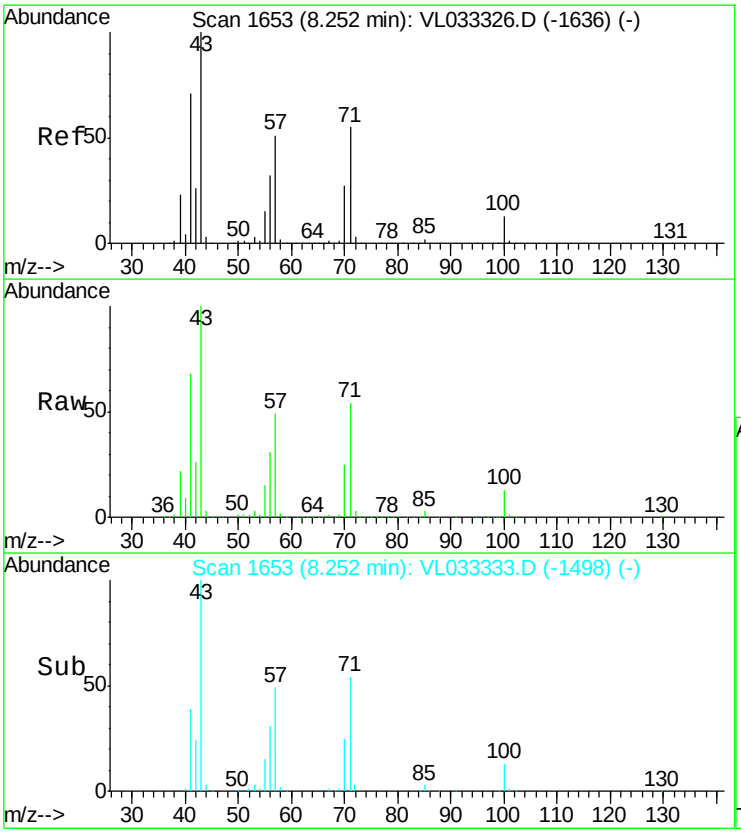
#9
Propene
Concen: 9.918 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 41 Resp: 422947

Ion	Ratio	Lower	Upper
41	100		
42	67.7	55.2	82.8

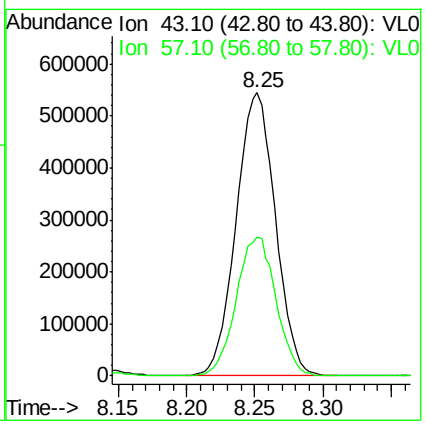


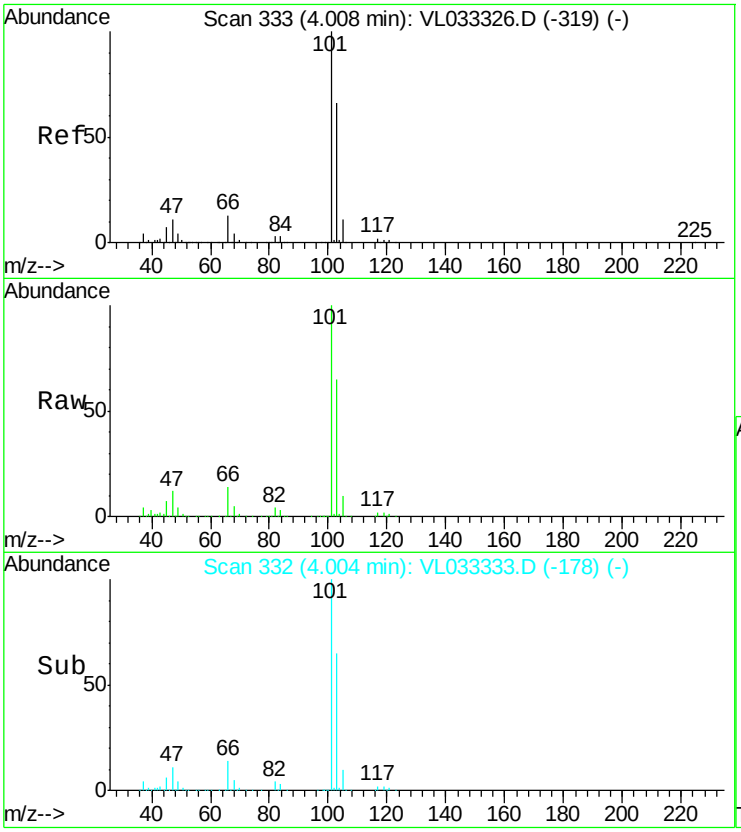


#10
Heptane
Concen: 10.266 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 43 Resp: 1085916

Ion	Ratio	Lower	Upper
43	100		
57	49.8	40.4	60.6



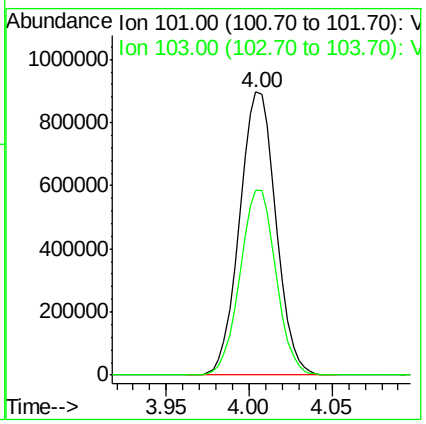


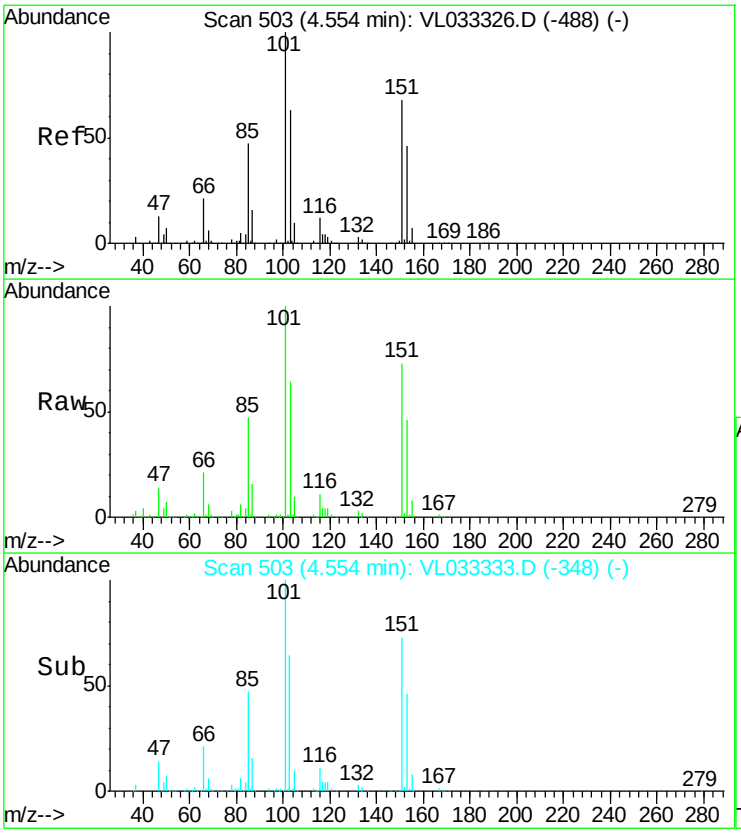
#11
Trichlorofluoromethane
Concen: 9.377 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:101 Resp: 1366665

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.9	79.3

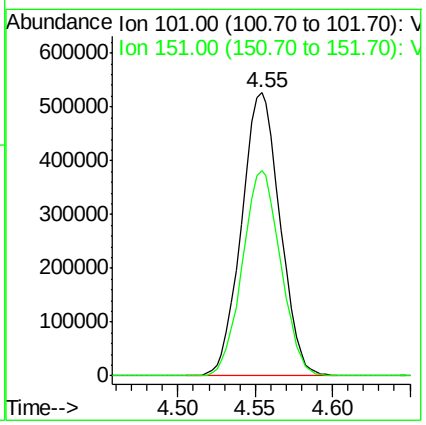


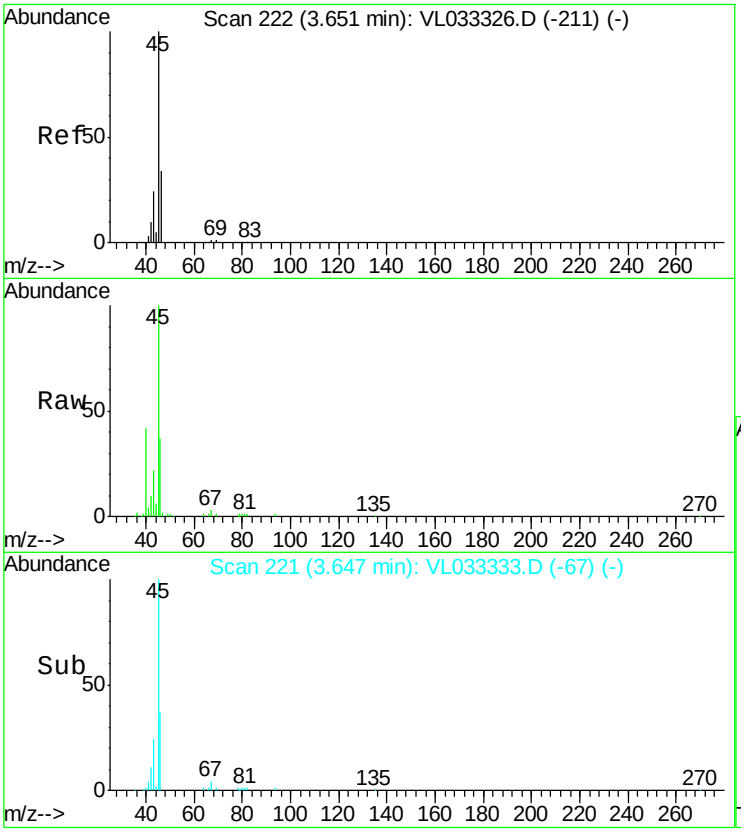


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.438 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:101 Resp: 912608

Ion	Ratio	Lower	Upper
101	100		
151	72.0	56.3	84.5



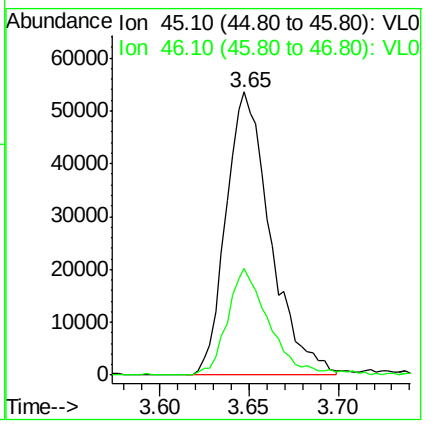


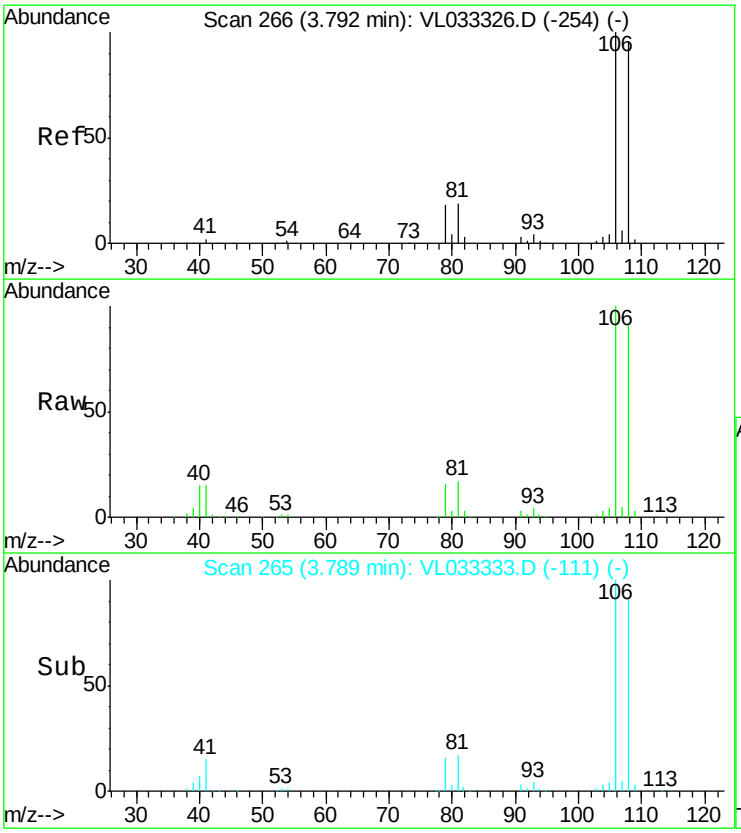
#13
Ethanol
Concen: 4.581 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 45 Resp: 93125

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.9	59.7

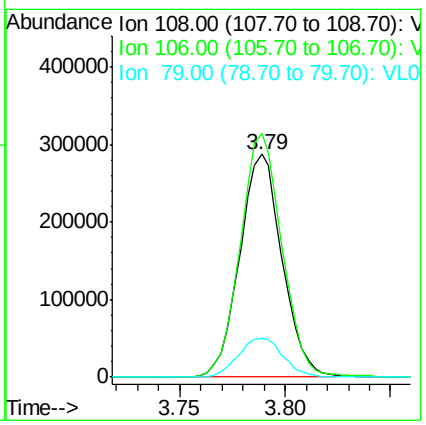


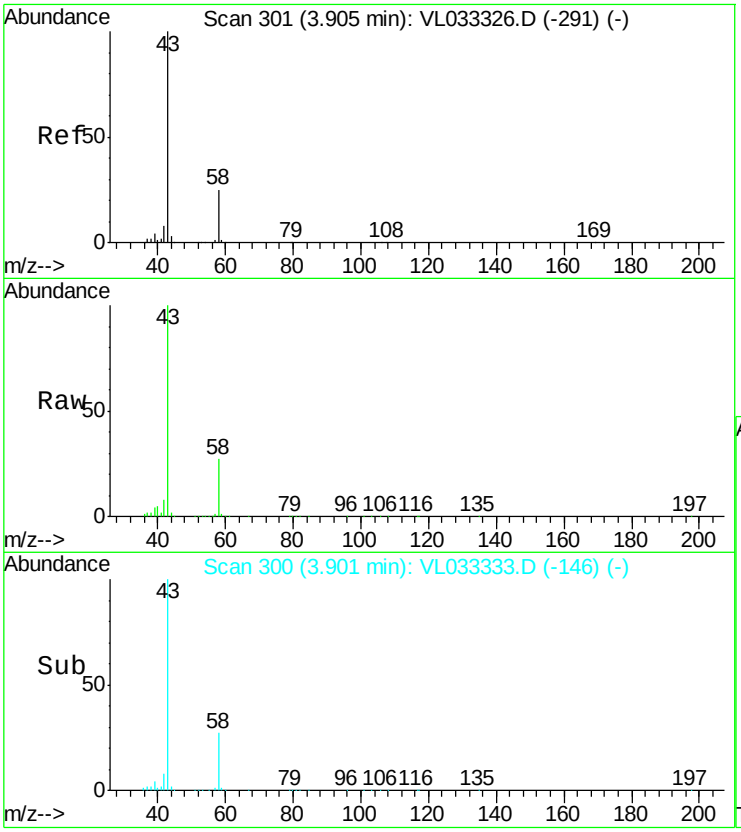


#14
Bromoethene
Concen: 9.989 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:108 Resp: 402606

Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.2	129.2
79	18.7	15.4	23.2



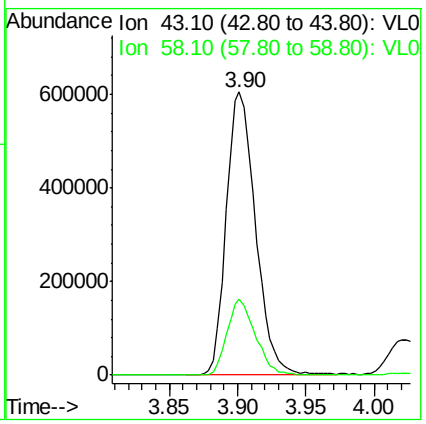


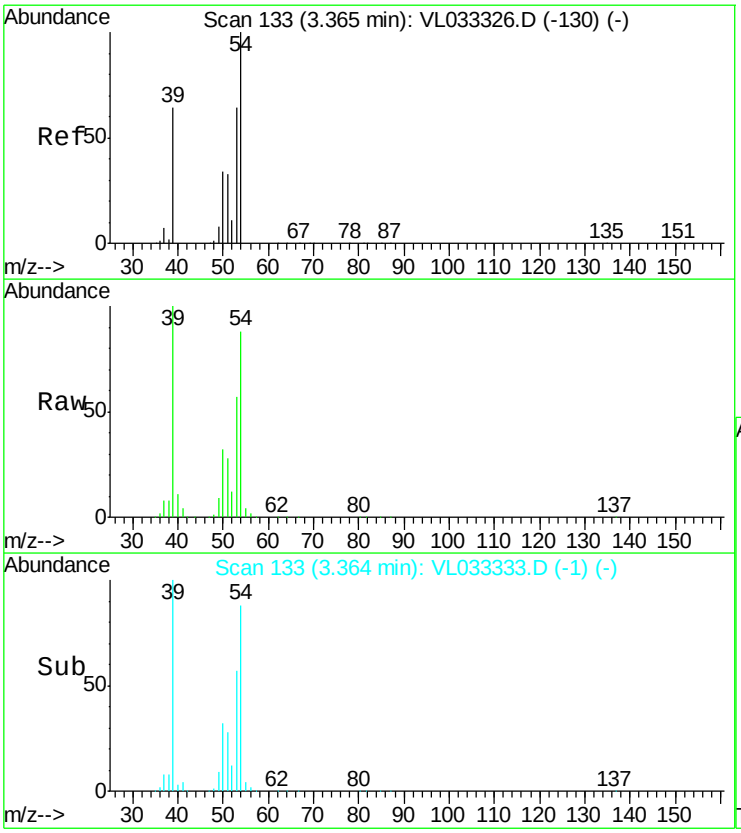
#15
Acetone
Concen: 6.989 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 43 Resp: 904277

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.4	30.6

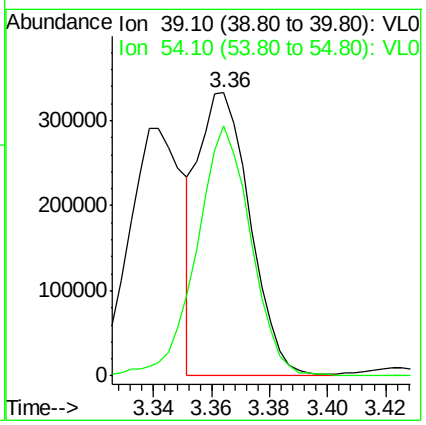


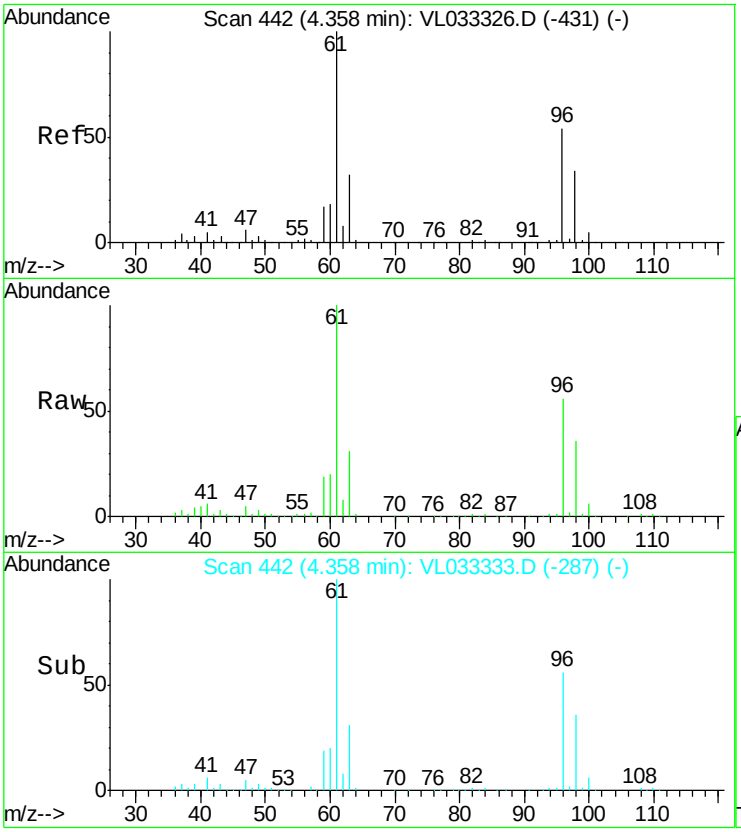


#16
1,3-Butadiene
Concen: 9.792 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 39 Resp: 411472

Ion	Ratio	Lower	Upper
39	100		
54	93.1	76.8	115.2



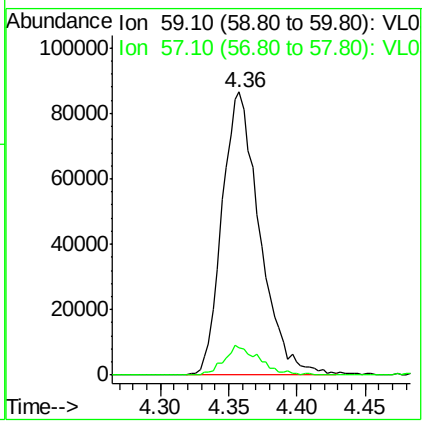


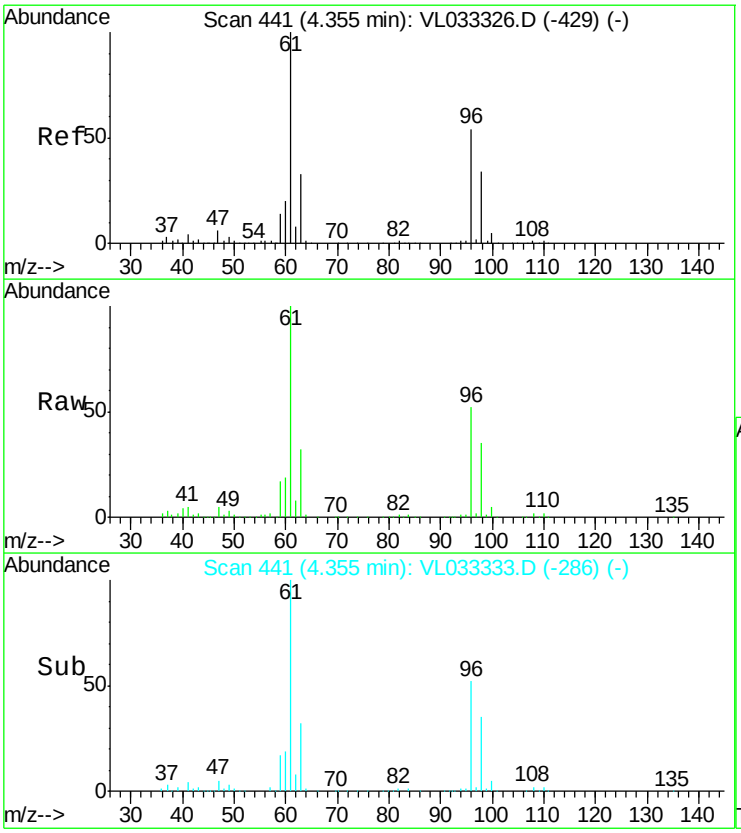
#17
tert-Butyl alcohol
Concen: 9.118 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 59 Resp: 166018

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

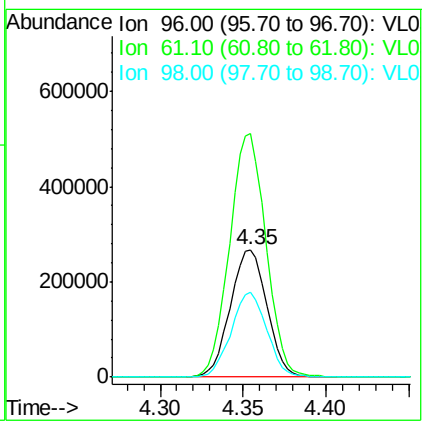


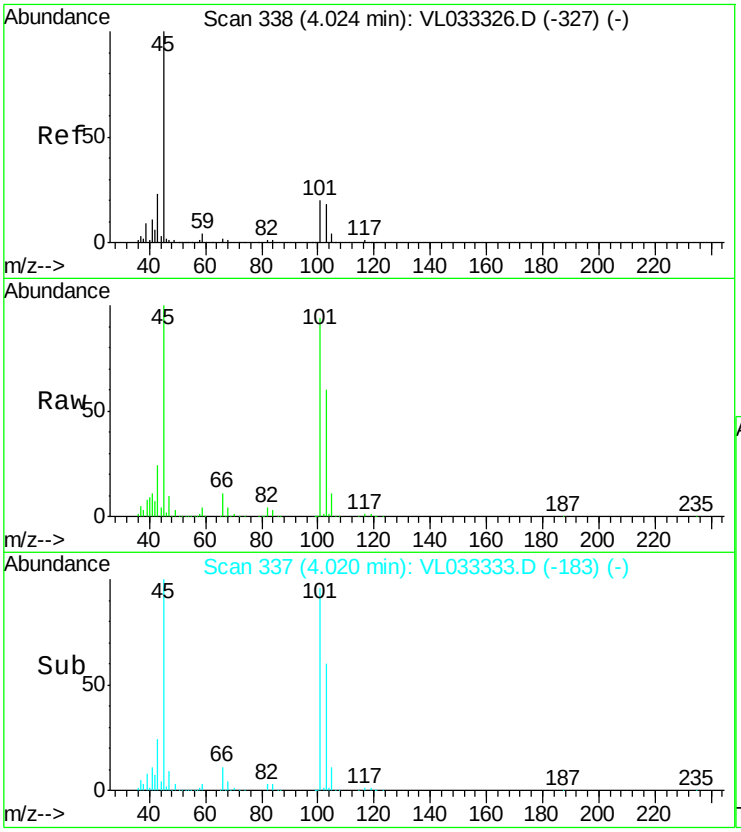


#18
1,1-Dichloroethene
Concen: 9.304 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 96 Resp: 411373

Ion	Ratio	Lower	Upper
96	100		
61	190.9	148.6	222.8
98	66.6	50.3	75.5



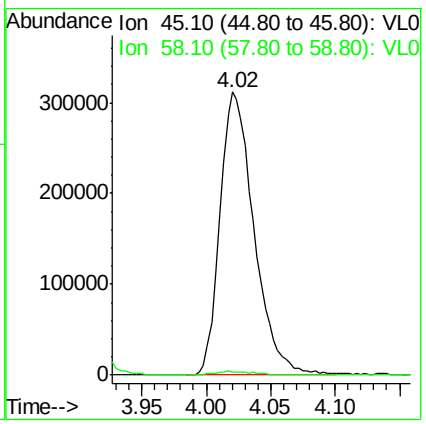


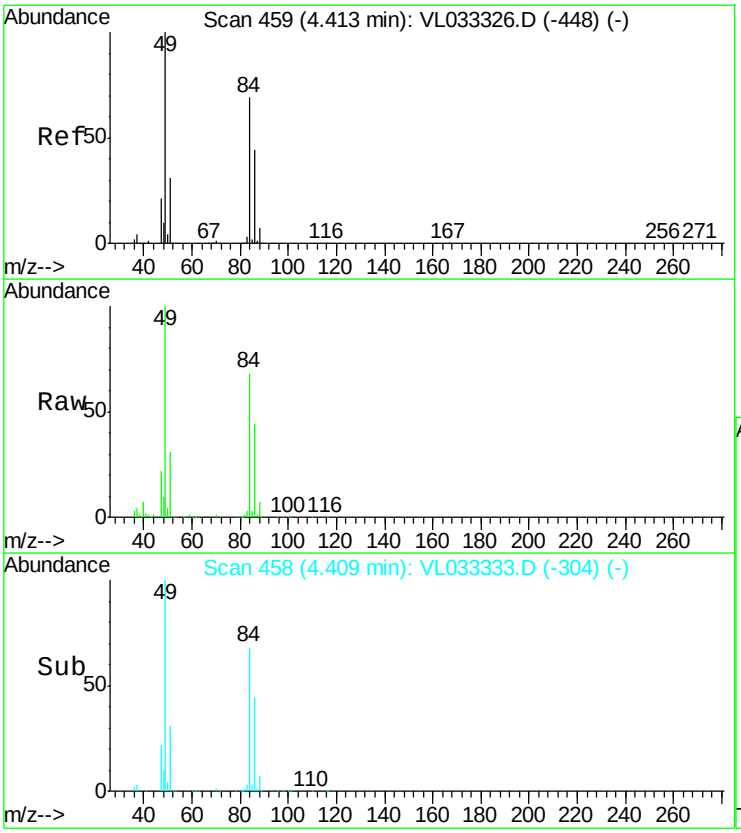
#19
Isopropyl Alcohol
Concen: 9.274 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 45 Resp: 570740

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.5	2.3

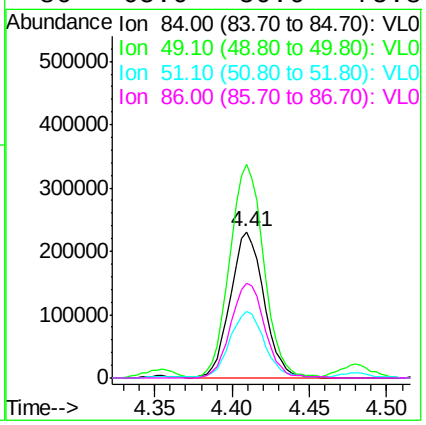


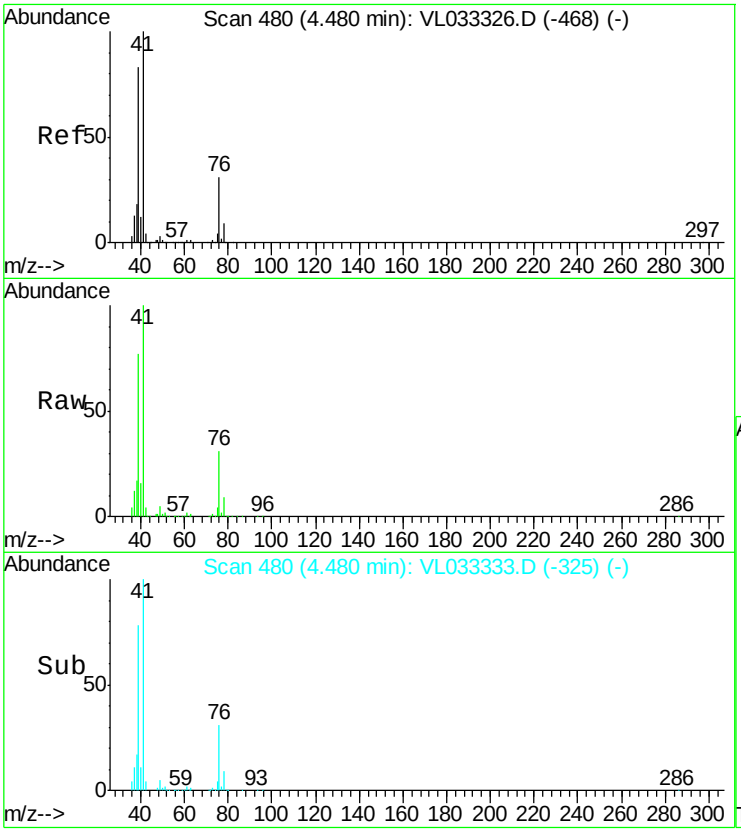


#20
Methylene Chloride
Concen: 8.173 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 84 Resp: 344883

Ion	Ratio	Lower	Upper
84	100		
49	144.7	115.4	173.0
51	44.8	35.8	53.6
86	65.0	50.6	75.8



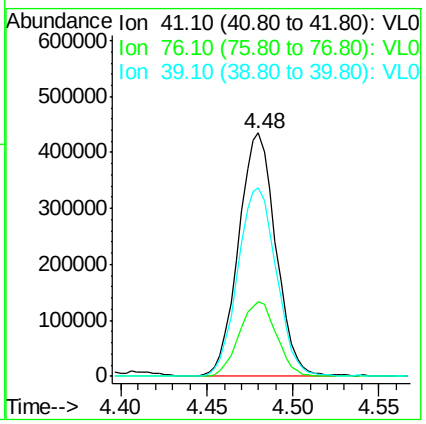


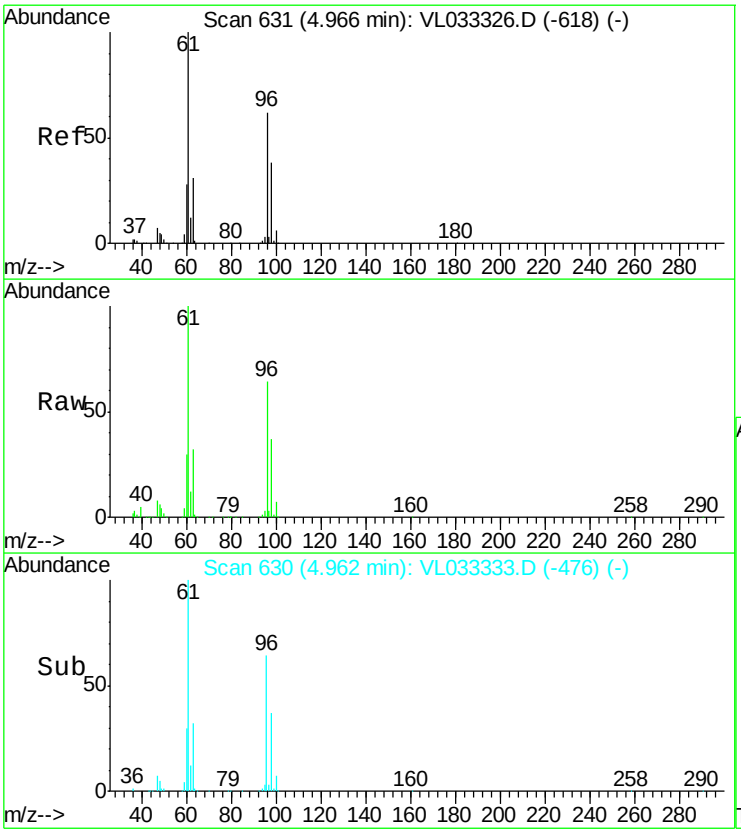
#21
Allyl Chloride
Concen: 10.356 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 41 Resp: 649976

Ion	Ratio	Lower	Upper
41	100		
76	31.0	25.0	37.4
39	80.7	65.9	98.9

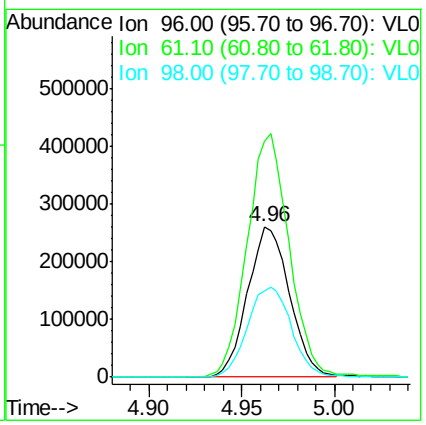


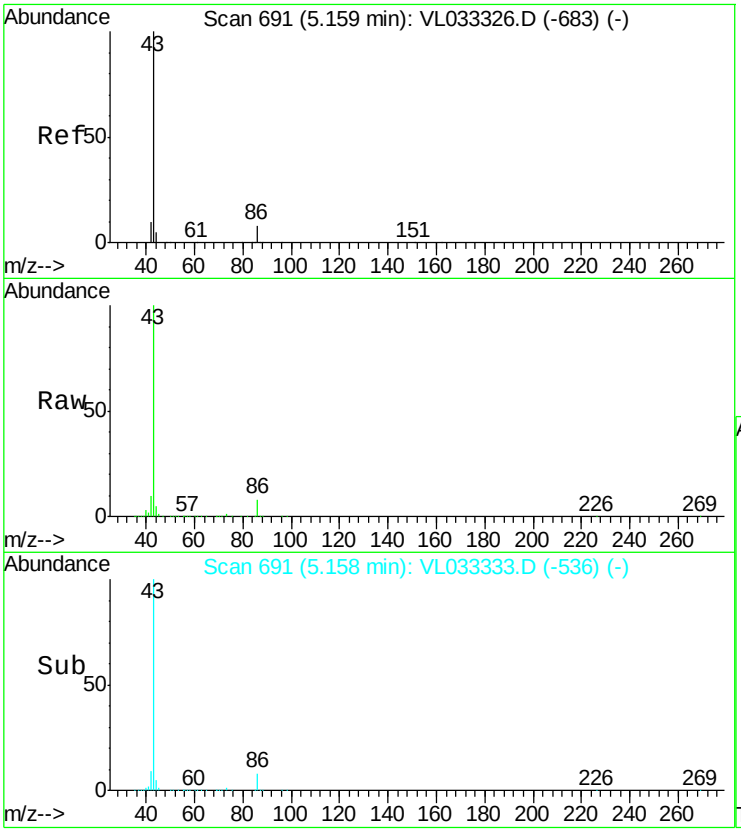


#22
trans-1,2-Dichloroethene
Concen: 9.541 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 96 Resp: 408822

Ion	Ratio	Lower	Upper
96	100		
61	156.9	130.0	195.0
98	57.6	50.0	75.0



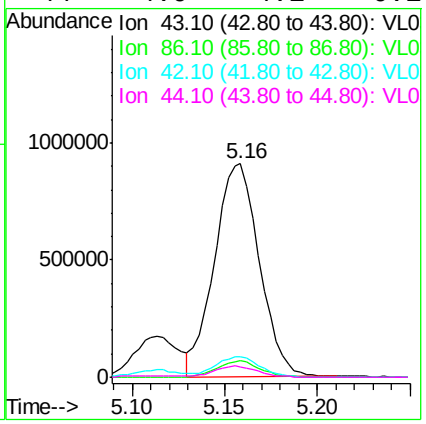


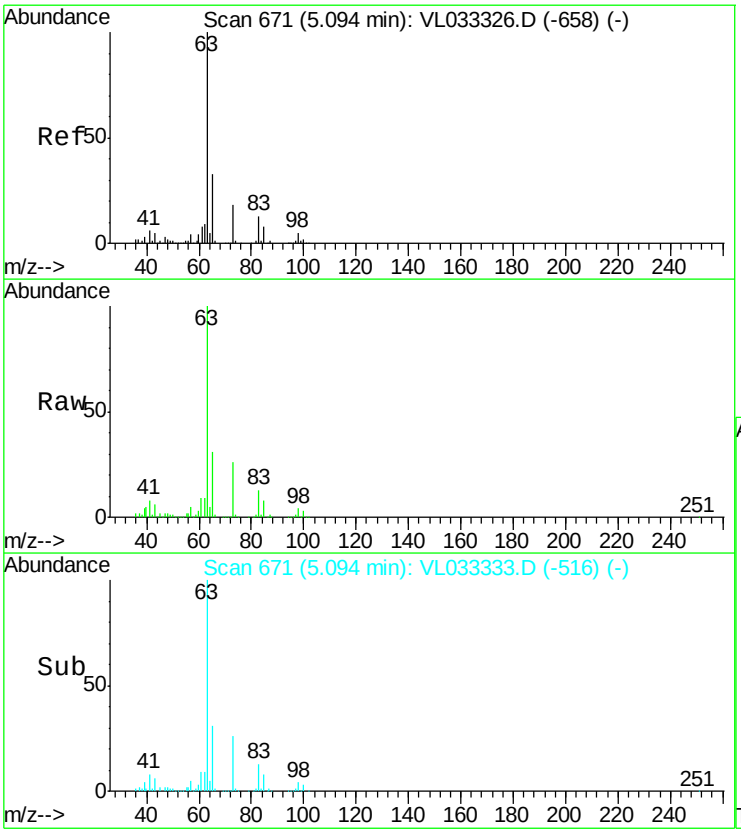
#23
Vinyl Acetate
Concen: 10.181 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 43 Resp: 1524114

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.2
42	9.5	8.1	12.1
44	4.9	4.1	6.1

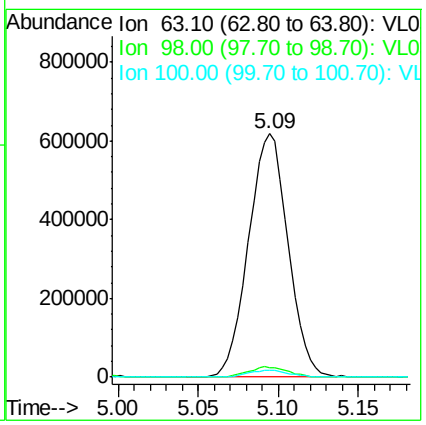


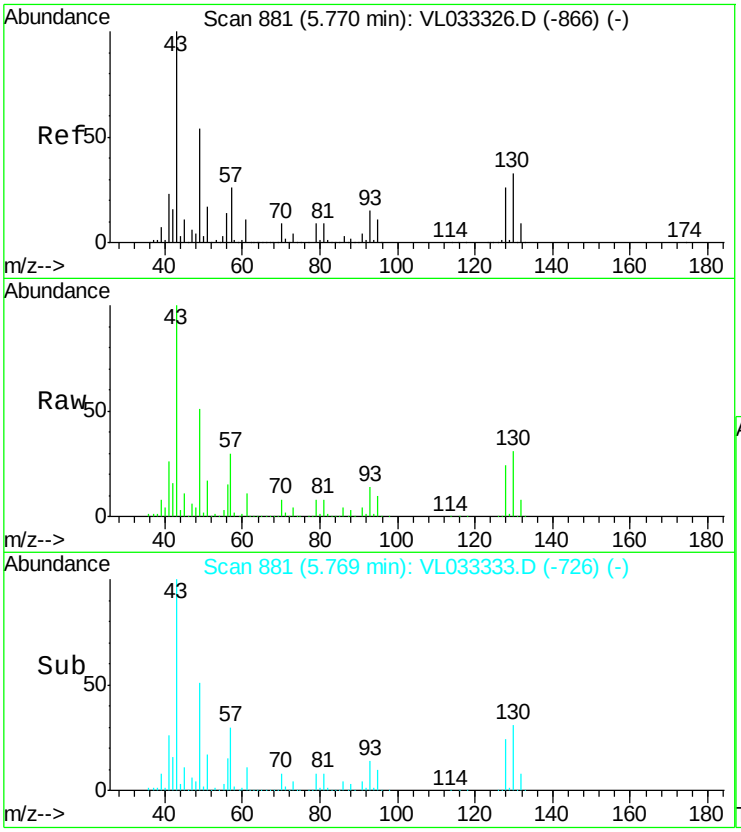


#24
1,1-Dichloroethane
Concen: 9.654 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 63 Resp: 1043763

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.1
100	2.8	1.3	3.8



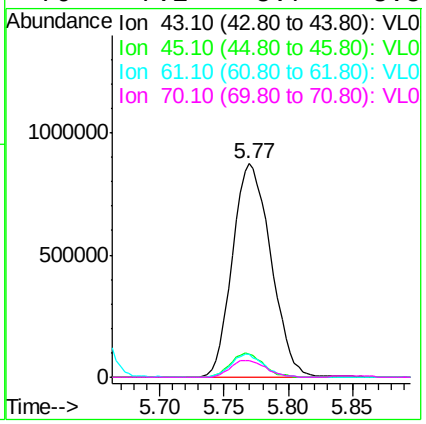


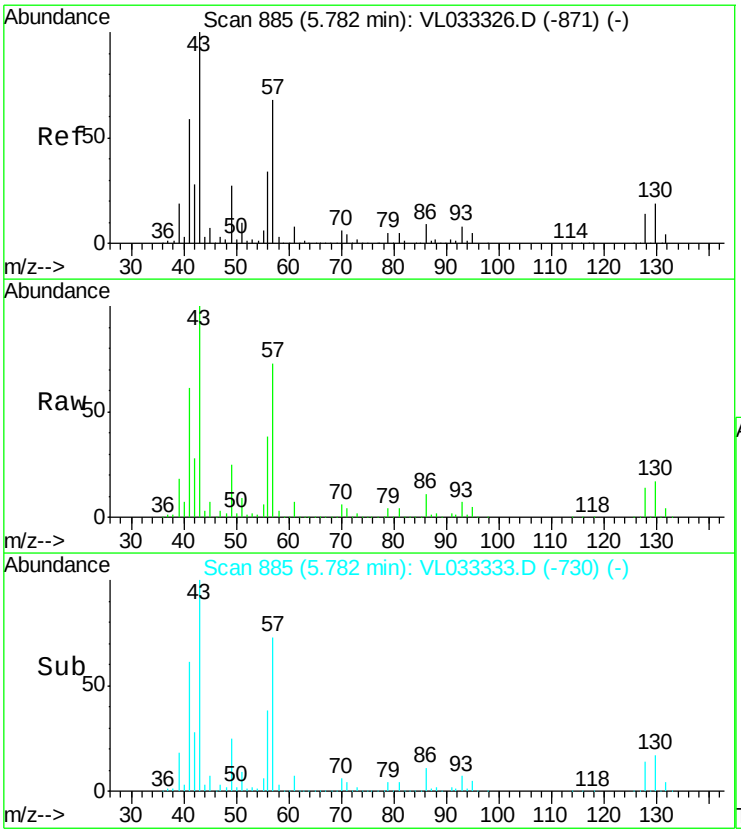
#25
Ethyl Acetate
Concen: 9.623 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 43 Resp: 1809857

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.3	7.4	11.2
70	7.2	5.7	8.5

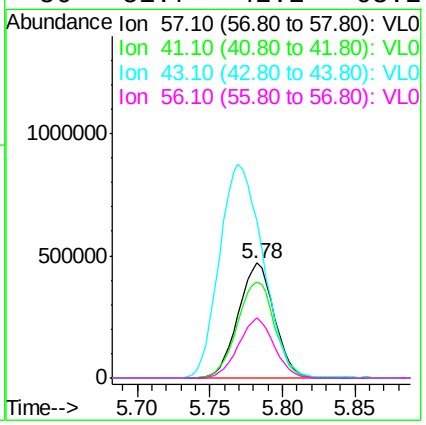


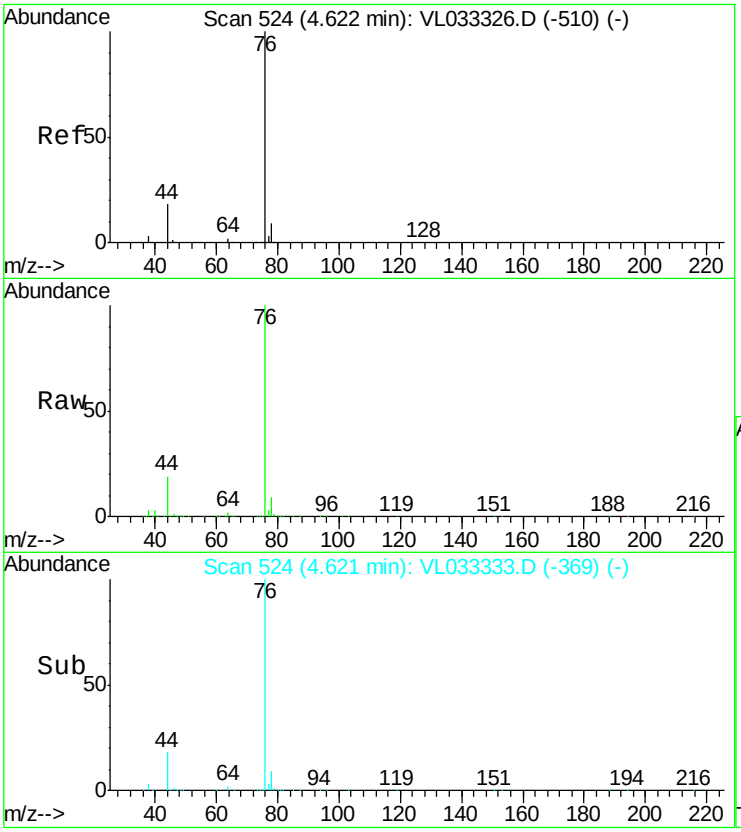


#26
Hexane
Concen: 9.622 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 57 Resp: 808993

Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.5	105.7
43	224.9	181.8	272.8
56	51.7	42.2	63.2



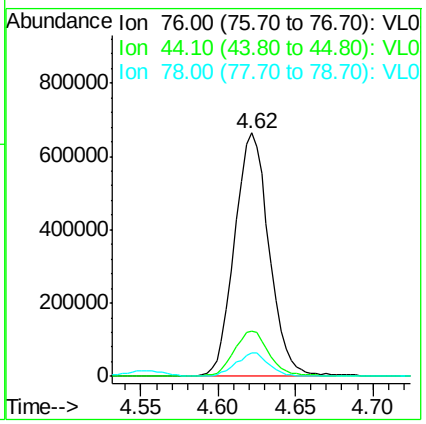


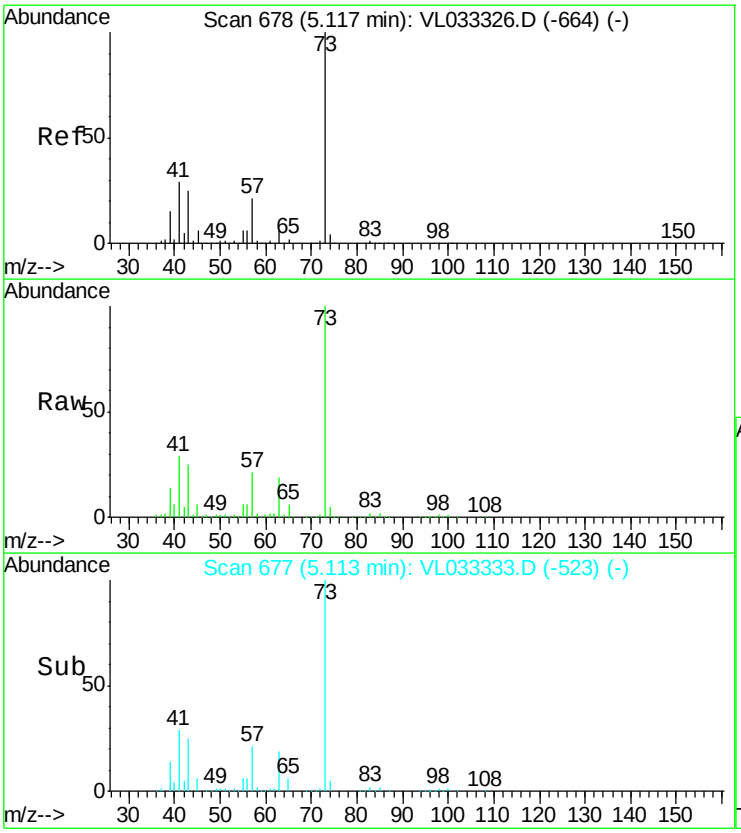
#27
Carbon Disulfide
Concen: 10.651 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 76 Resp: 1030922

Ion	Ratio	Lower	Upper
76	100		
44	18.3	15.2	22.8
78	9.2	7.2	10.8

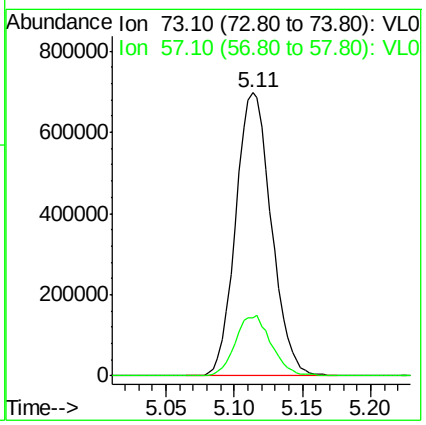


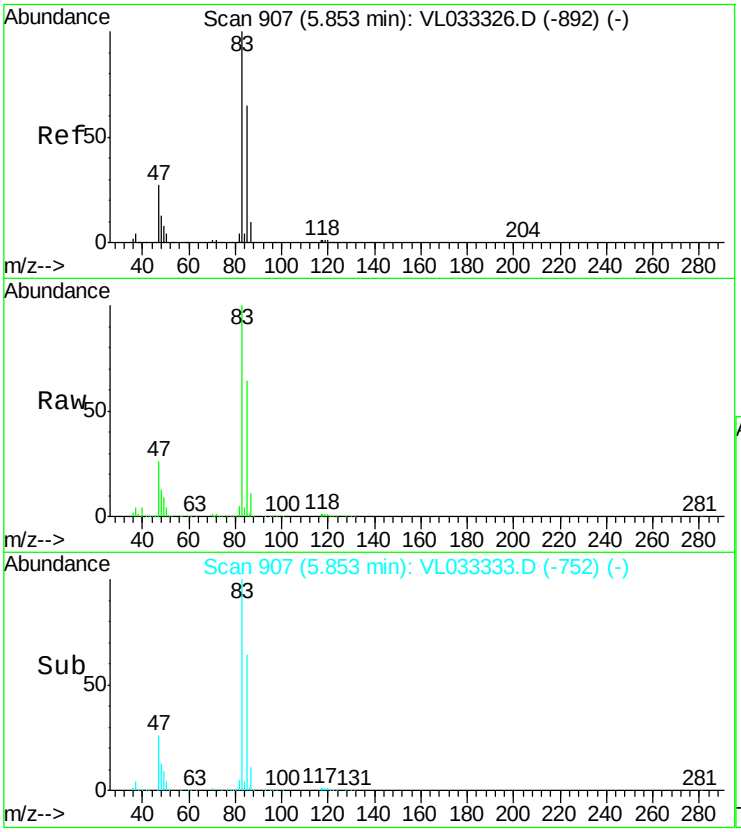


#28
Methyl tert-Butyl Ether
Concen: 10.123 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 73 Resp: 1264281

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0



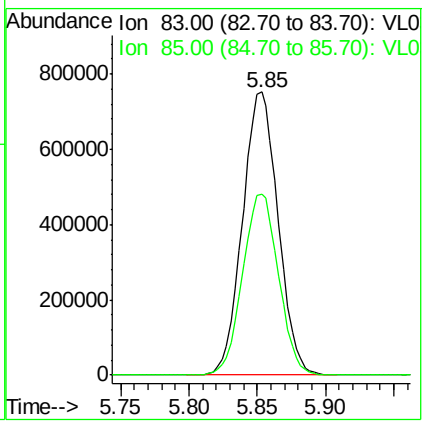


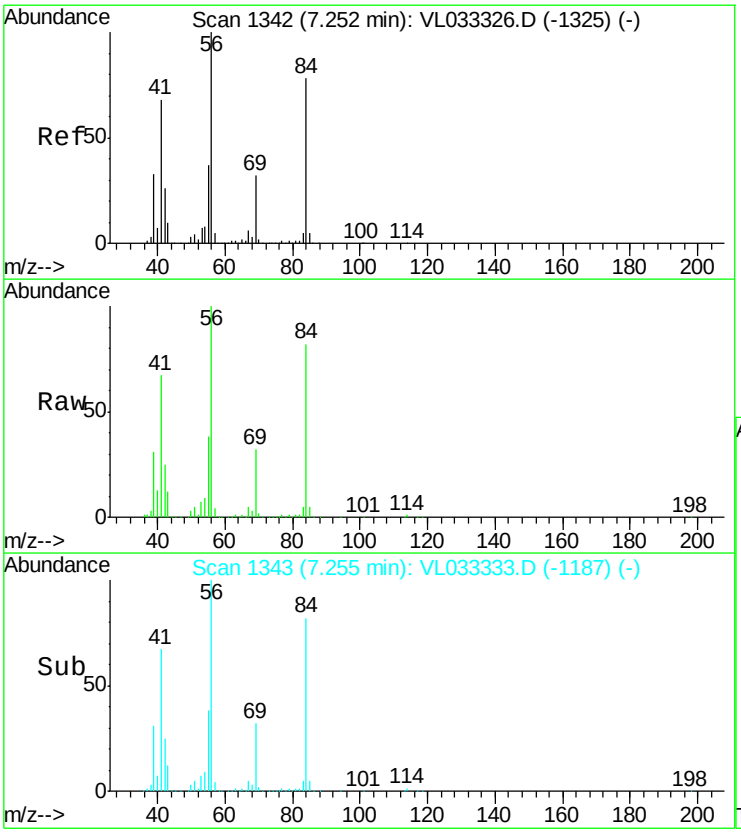
#29
Chloroform
Concen: 9.885 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 83 Resp: 1360955

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0

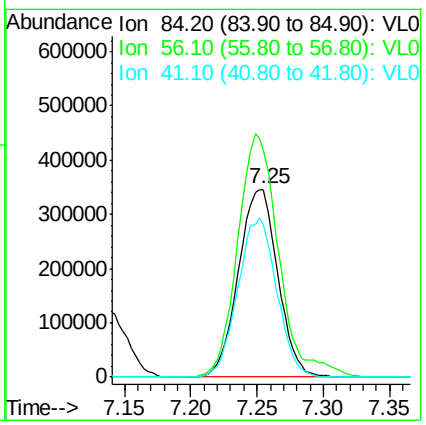


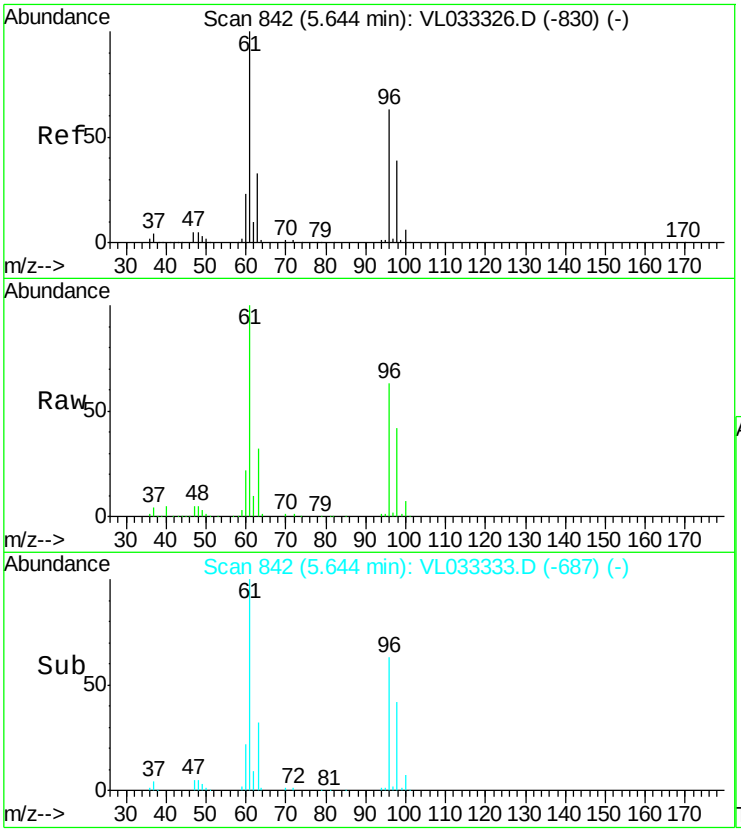


#30
Cyclohexane
Concen: 10.601 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 84 Resp: 714648

Ion	Ratio	Lower	Upper
84	100		
56	135.4	111.3	166.9
41	84.0	69.6	104.4



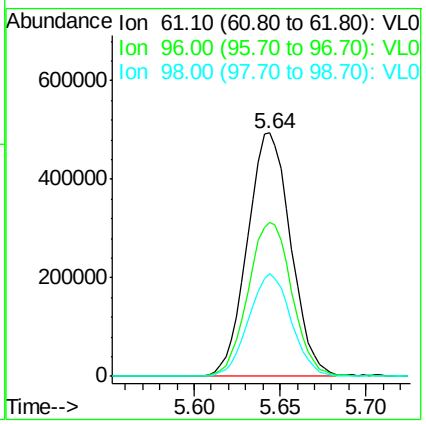


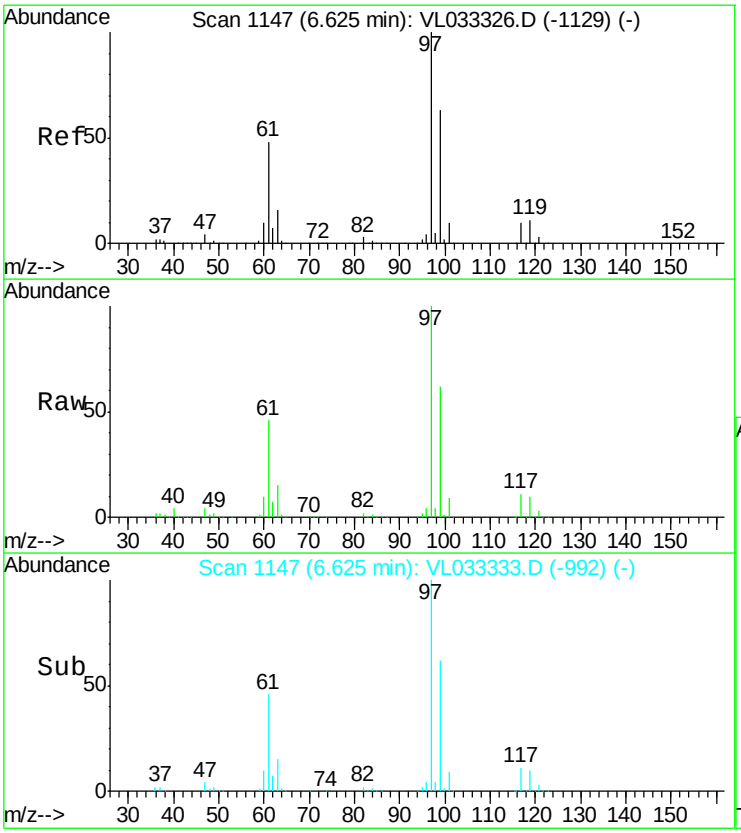
#31
cis-1,2-Dichloroethene
Concen: 10.285 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 61 Resp: 864650

Ion	Ratio	Lower	Upper
61	100		
96	63.1	50.3	75.5
98	42.1	31.5	47.3

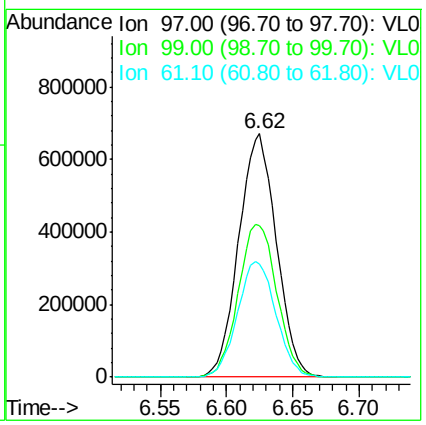


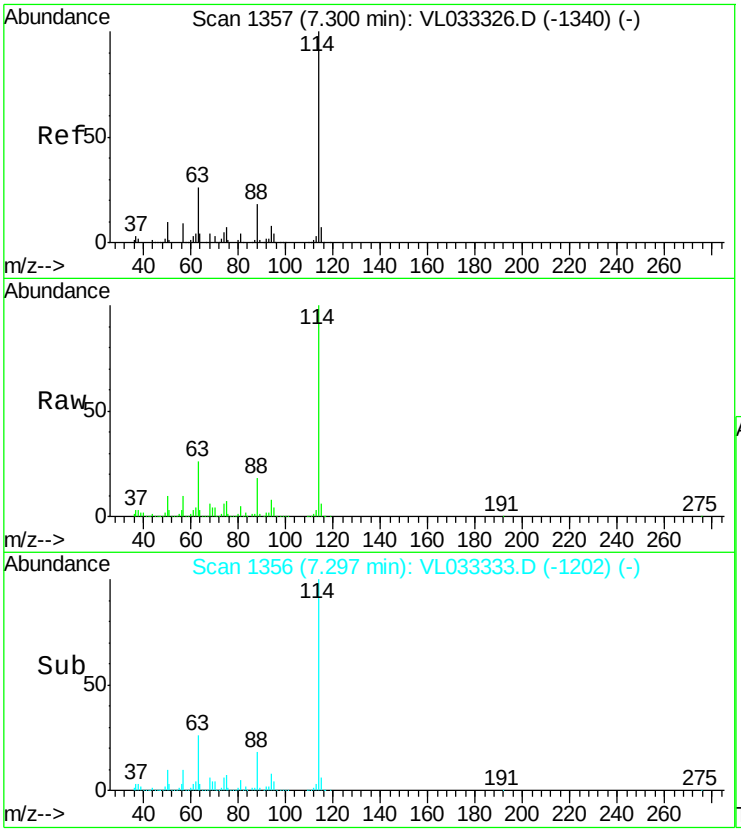


#32
1,1,1-Trichloroethane
Concen: 9.832 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 97 Resp: 1329011

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	48.3	39.3	58.9



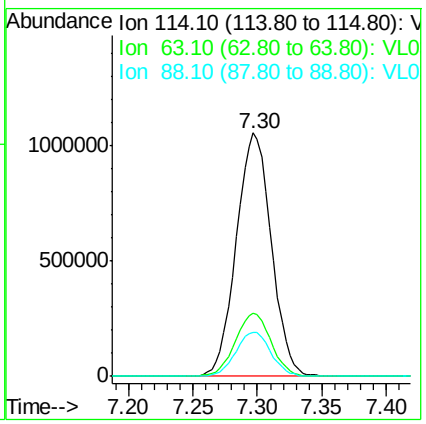


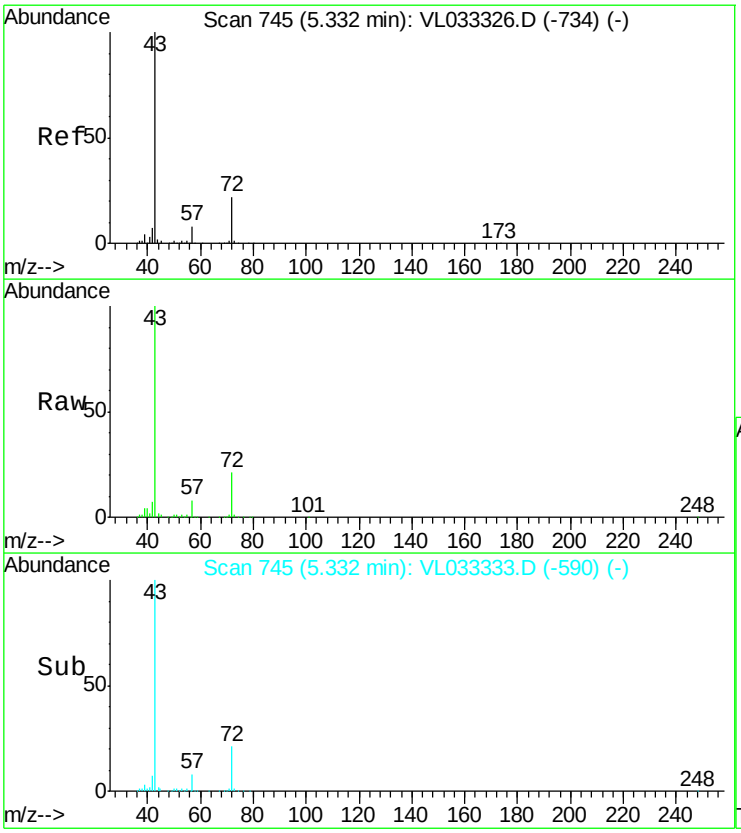
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:114 Resp: 1990277

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	18.3	14.5	21.7

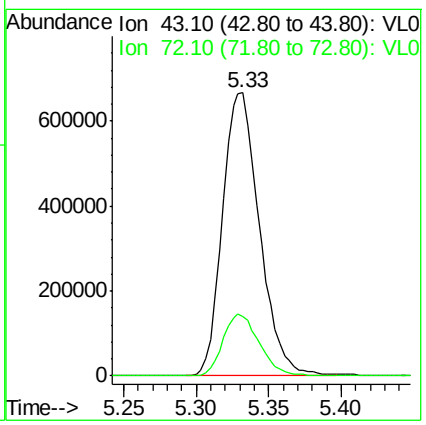


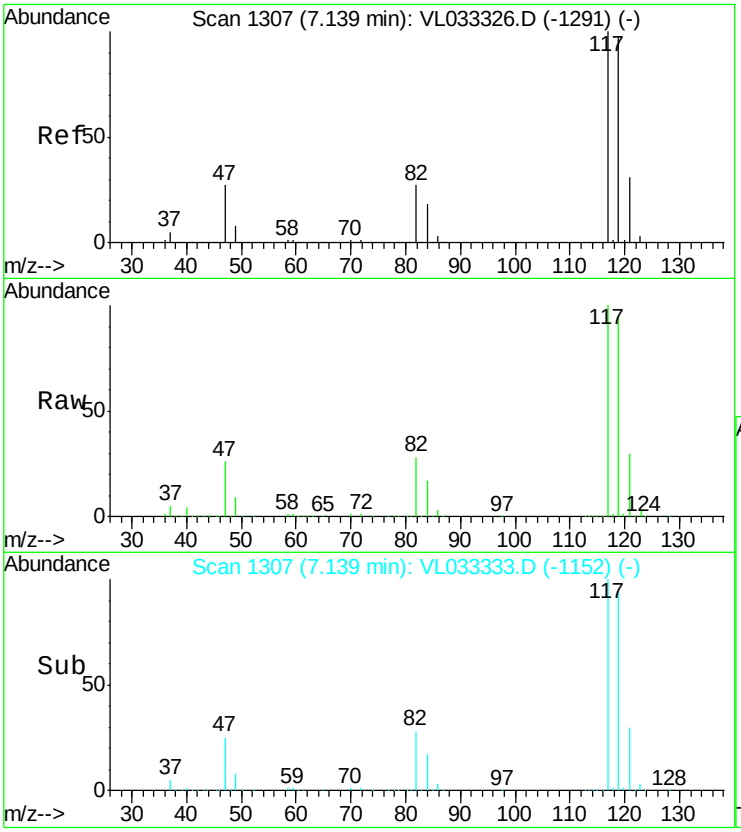


#34
2-Butanone
Concen: 8.990 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 43 Resp: 1175035

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.7	26.5



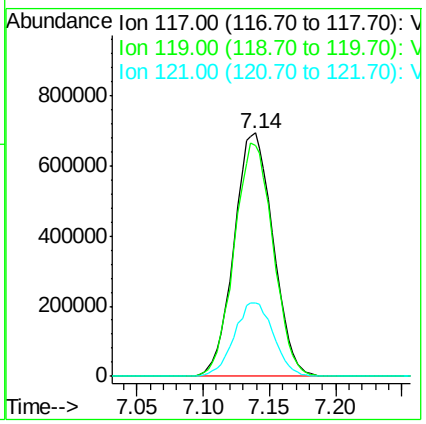


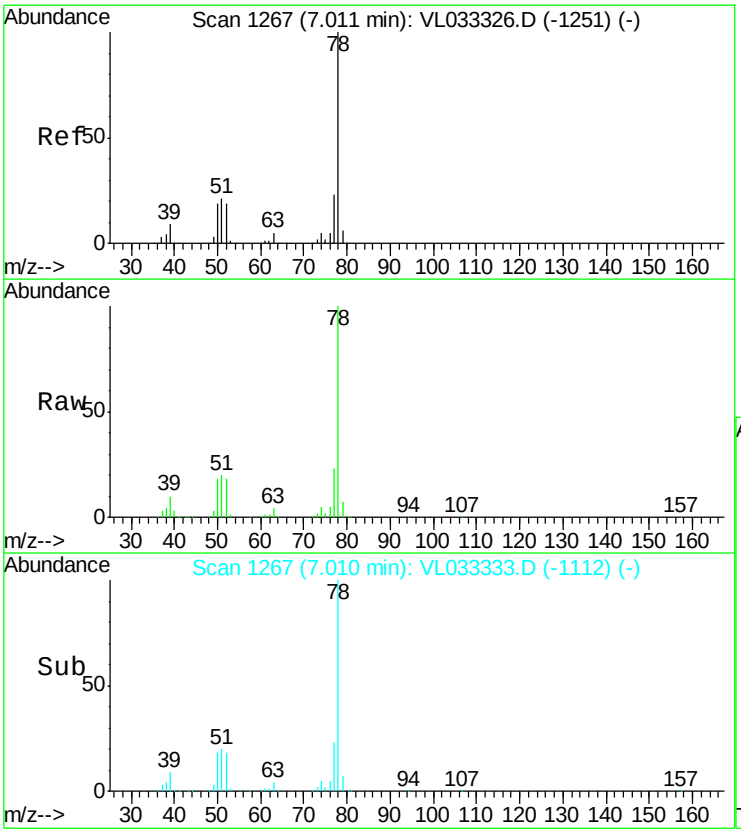
#35
Carbon Tetrachloride
Concen: 10.134 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:117 Resp: 1421957

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

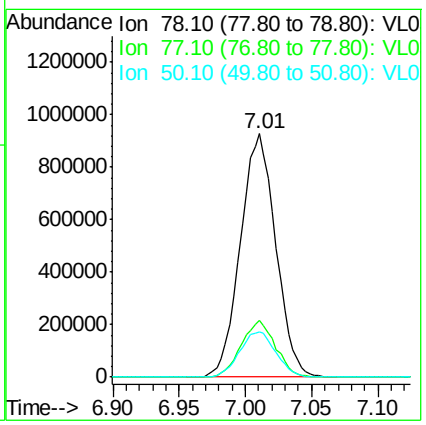


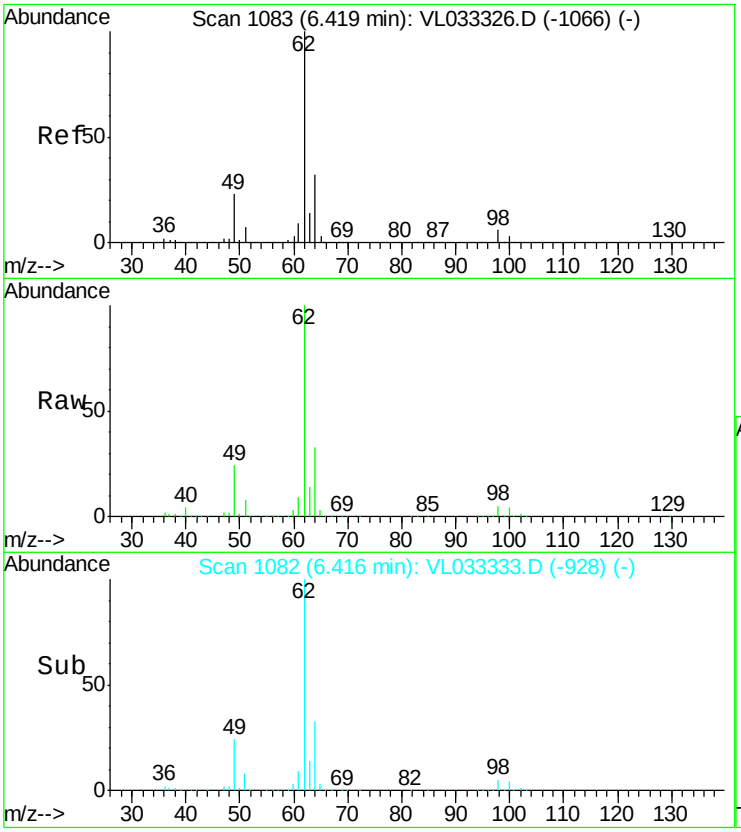


#36
Benzene
Concen: 9.655 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 78 Resp: 1719672

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	18.5	15.2	22.8



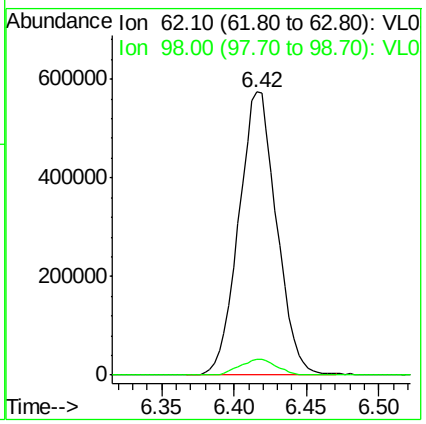


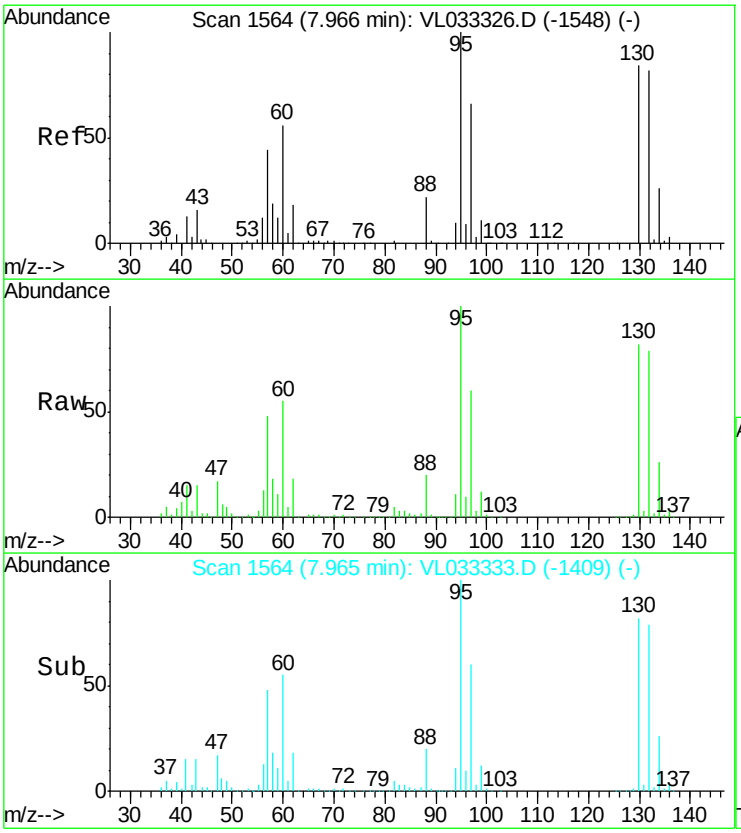
#37
1,2-Dichloroethane
Concen: 9.248 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 62 Resp: 1041581

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

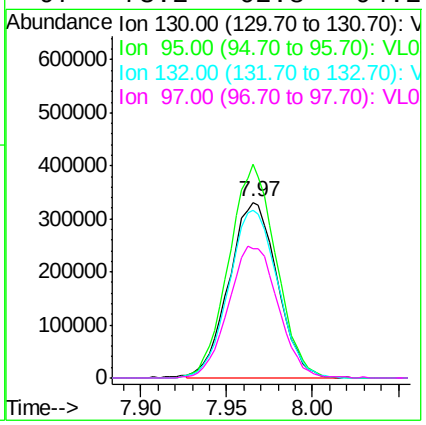


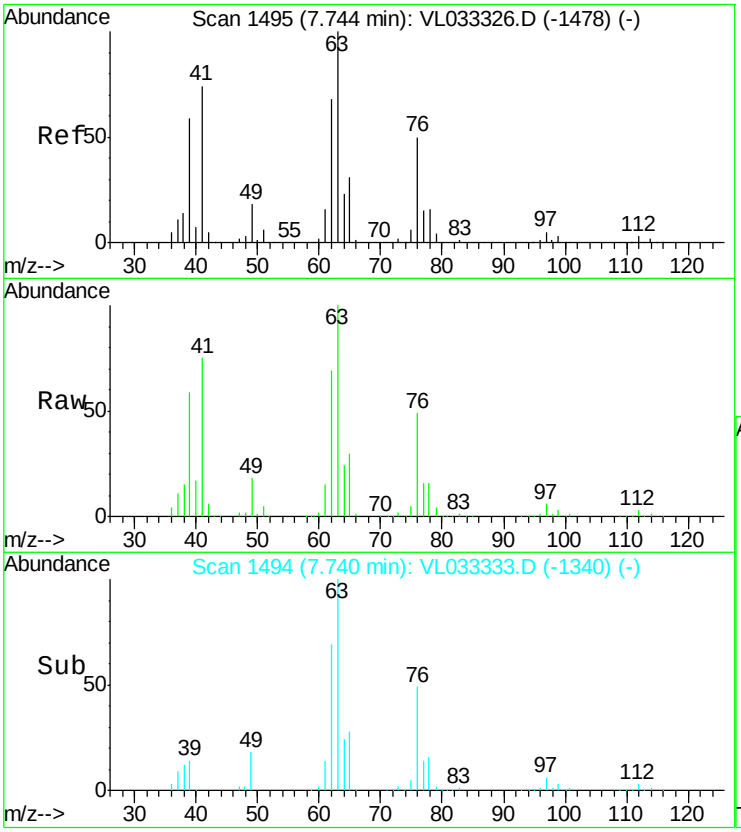


#38
Trichloroethene
Concen: 9.513 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:130 Resp: 641189

Ion	Ratio	Lower	Upper
130	100		
95	121.0	95.2	142.8
132	95.5	77.7	116.5
97	73.2	62.8	94.2



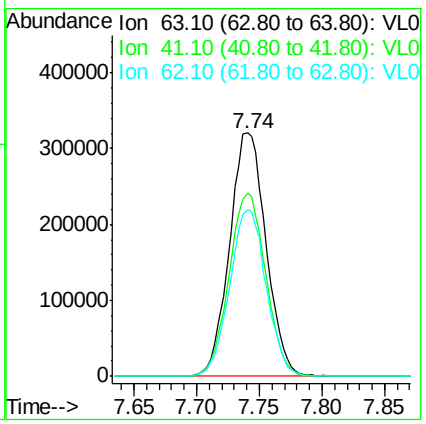


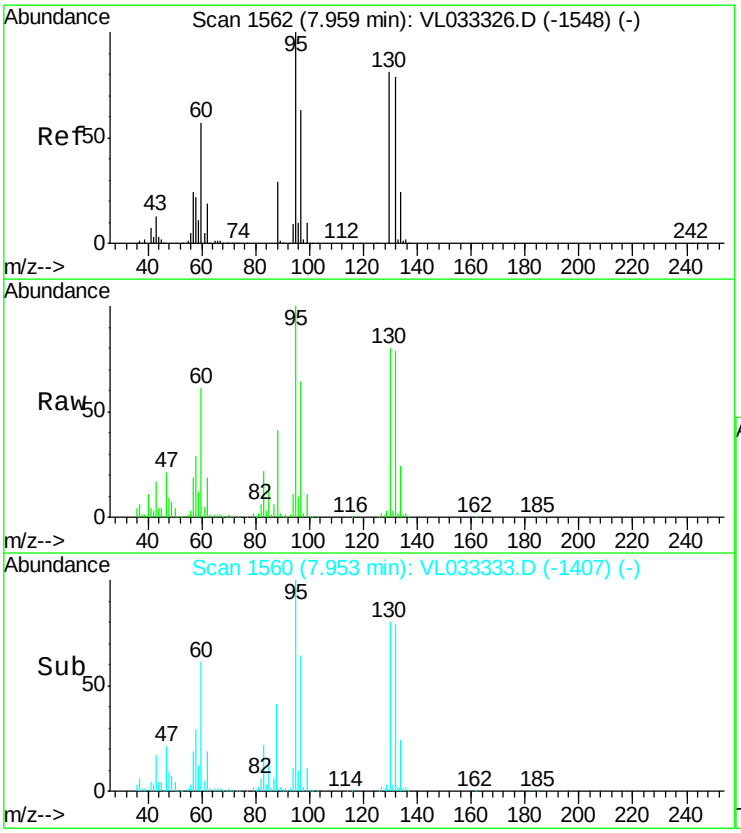
#39
1,2-Dichloropropane
Concen: 9.715 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 63 Resp: 648041

Ion	Ratio	Lower	Upper
63	100		
41	75.0	59.5	89.3
62	68.7	54.7	82.1

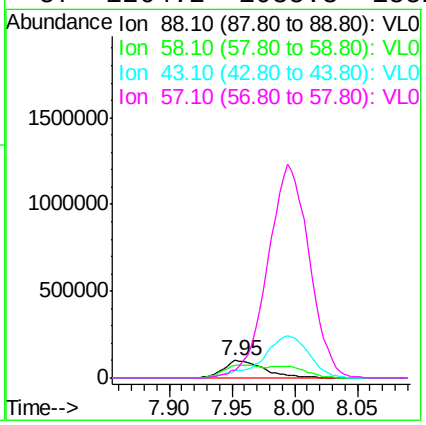


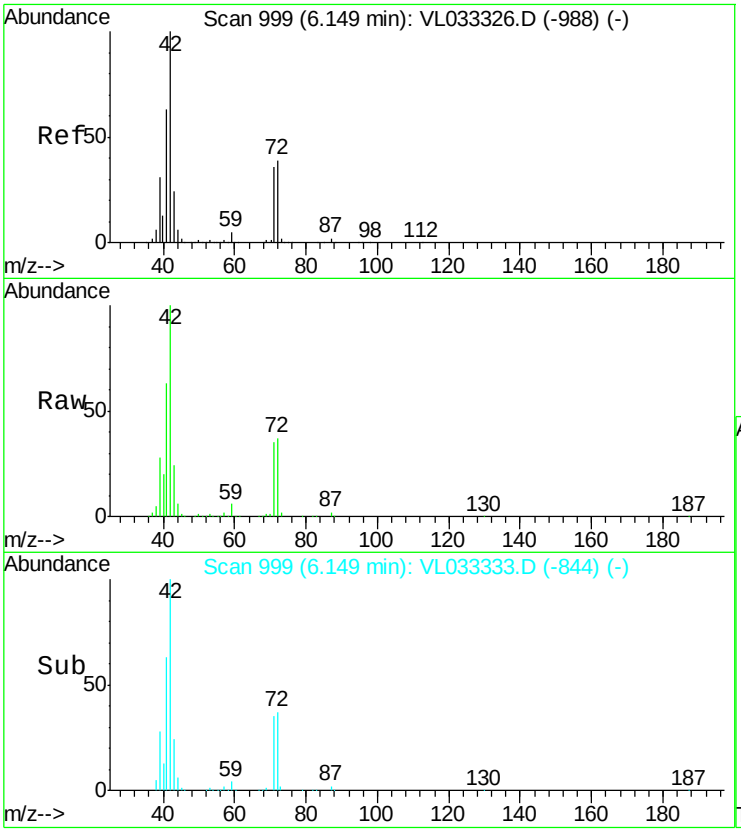


#40
1,4-Dioxane
Concen: 9.543 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 88 Resp: 224166

Ion	Ratio	Lower	Upper
88	100		
58	132.5	107.9	161.9
43	278.3	230.8	346.2
57	1264.2	1035.3	1552.9



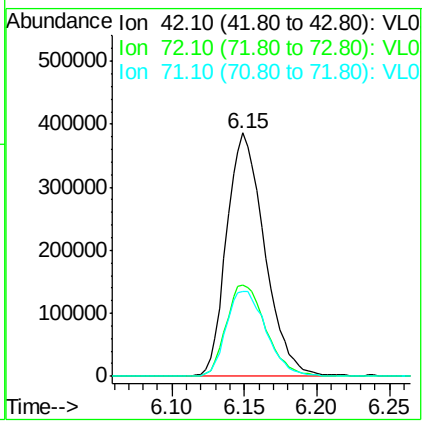


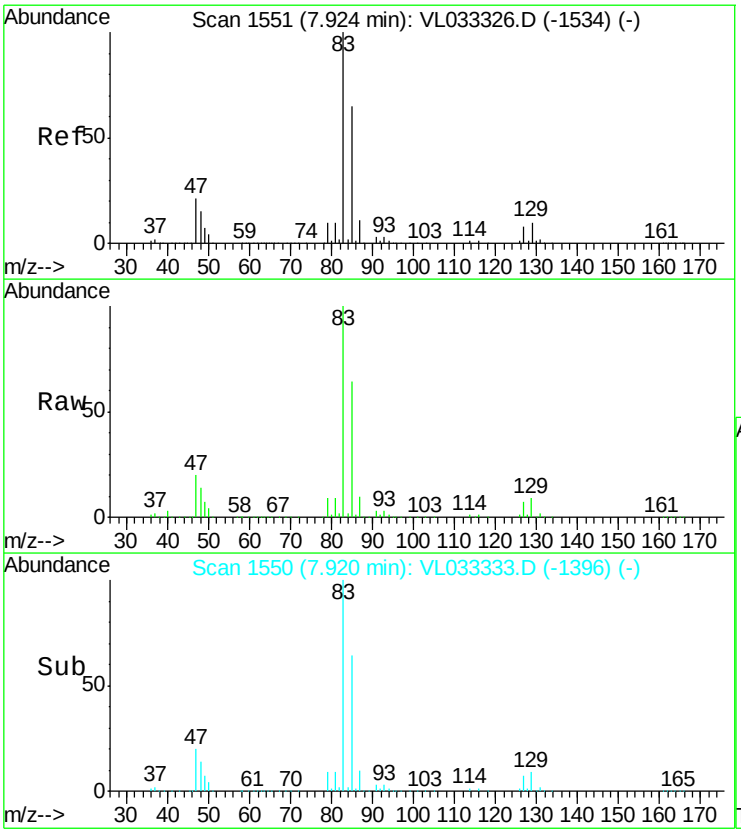
#41
Tetrahydrofuran
Concen: 10.079 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 42 Resp: 703045

Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.6	47.4
71	37.0	29.9	44.9

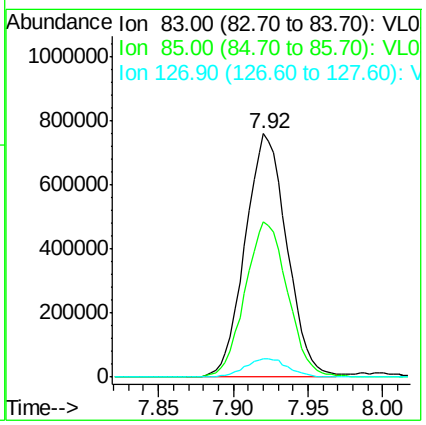


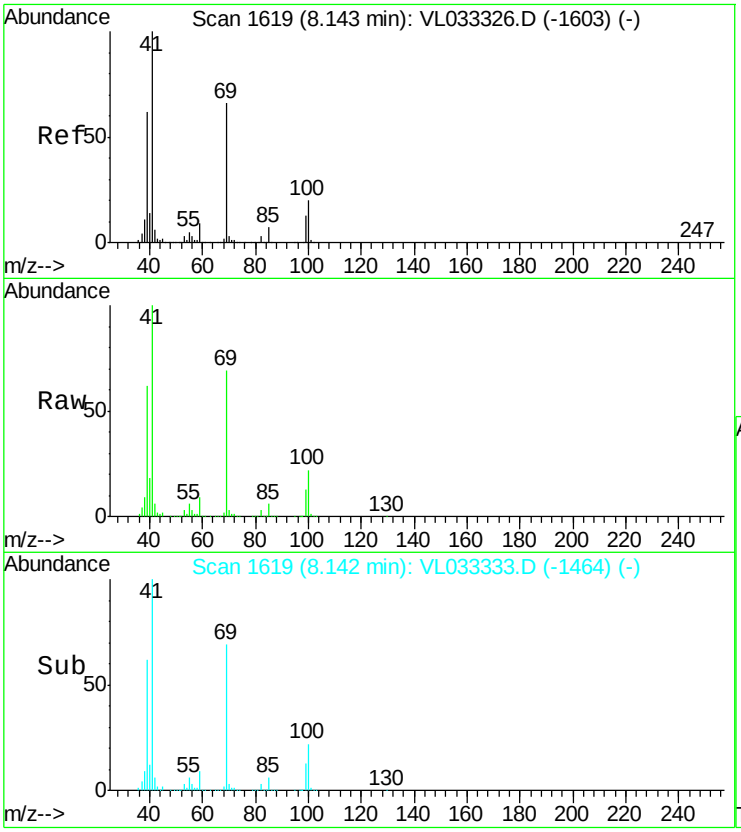


#42
Bromodichloromethane
Concen: 9.769 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 83 Resp: 1475182

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	7.5	6.2	9.2



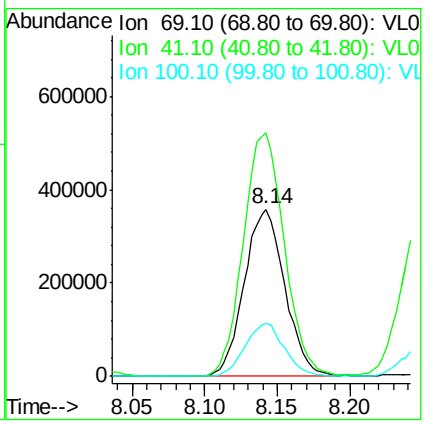


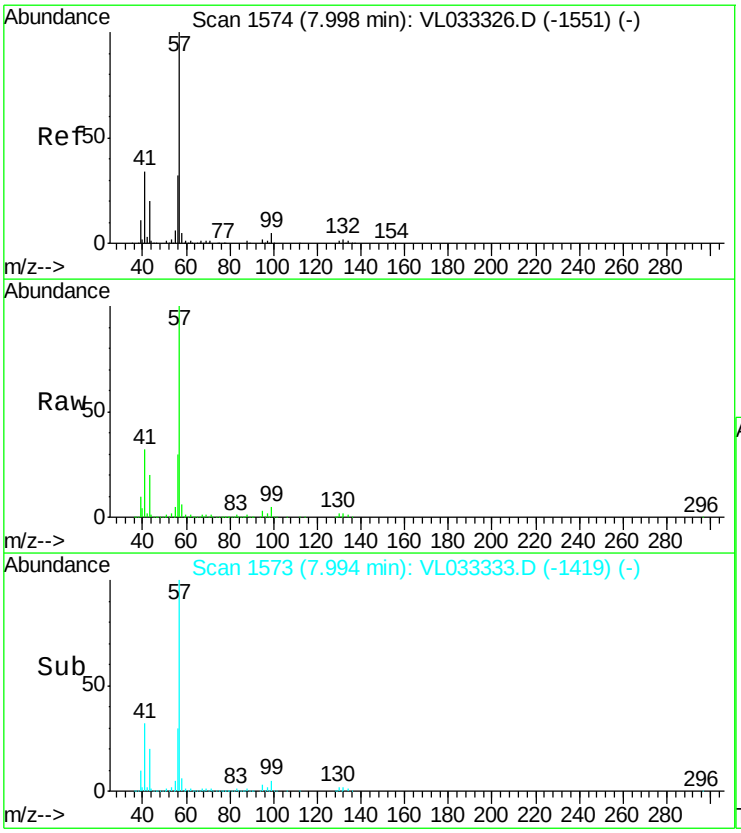
#43
Methyl Methacrylate
Concen: 10.070 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 69 Resp: 698368

Ion	Ratio	Lower	Upper
69	100		
41	147.1	119.5	179.3
100	31.1	24.4	36.6

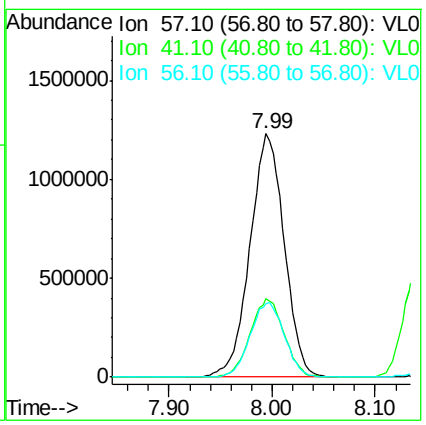


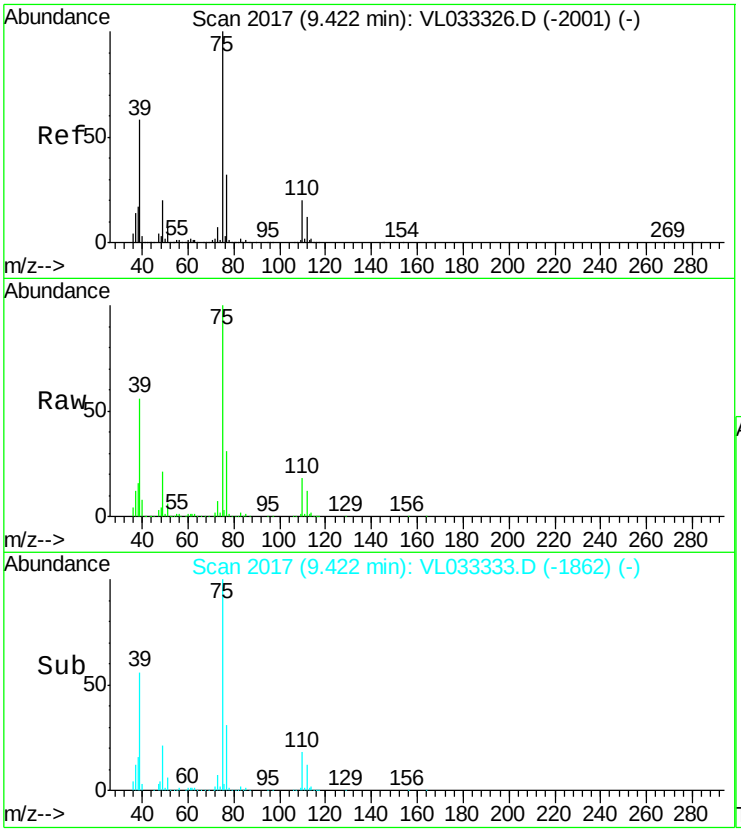


#44
2,2,4-Trimethylpentane
Concen: 9.596 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 57 Resp: 2830866

Ion	Ratio	Lower	Upper
57	100		
41	31.9	26.0	39.0
56	30.5	24.6	36.8



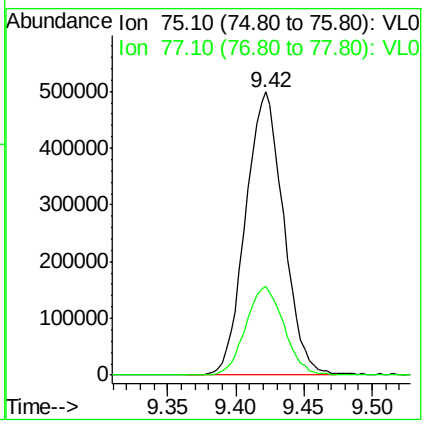


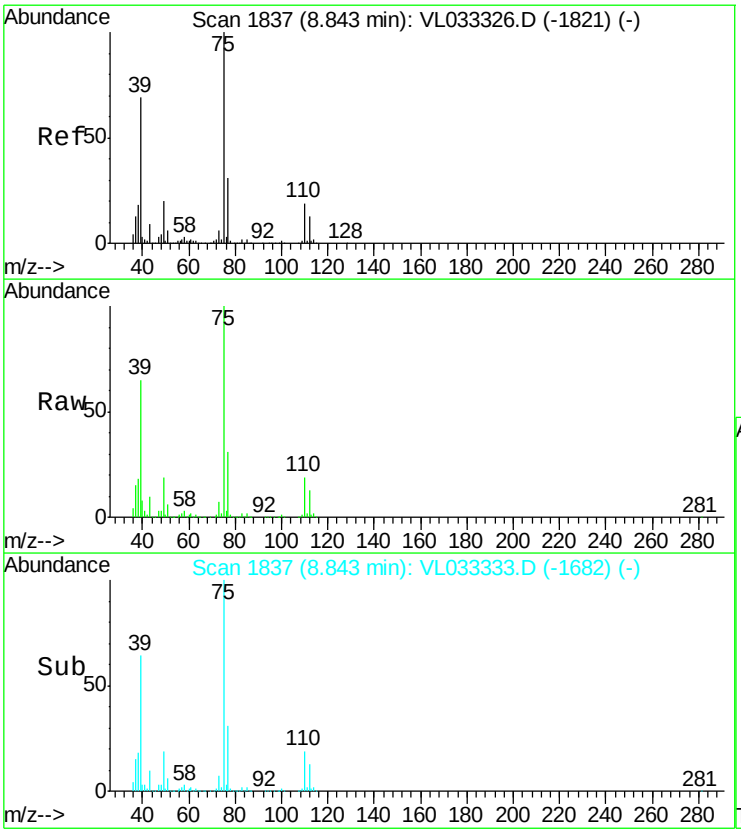
#45
t-1,3-Dichloropropene
Concen: 11.274 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 75 Resp: 965313

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

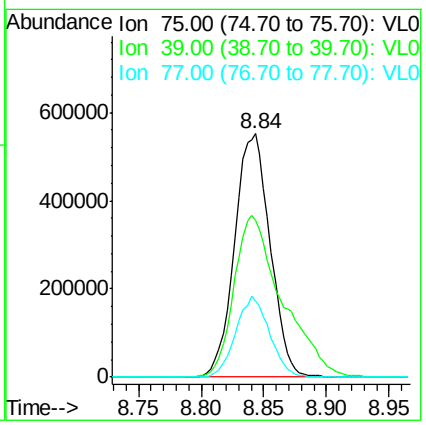


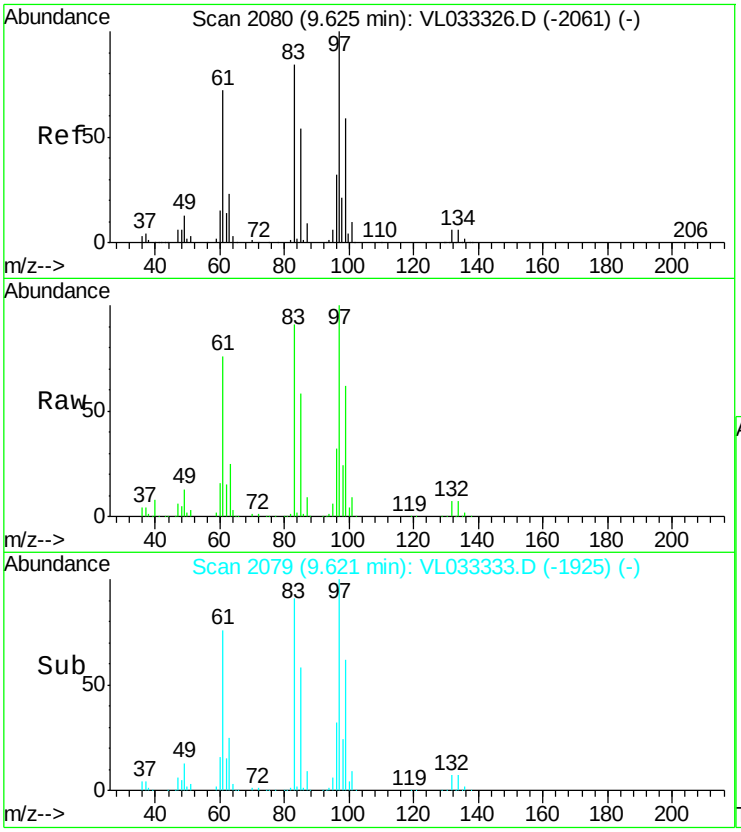


#46
cis-1,3-Dichloropropene
Concen: 10.763 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 75 Resp: 1085212

Ion	Ratio	Lower	Upper
75	100		
39	64.5	55.0	82.6
77	31.2	24.5	36.7



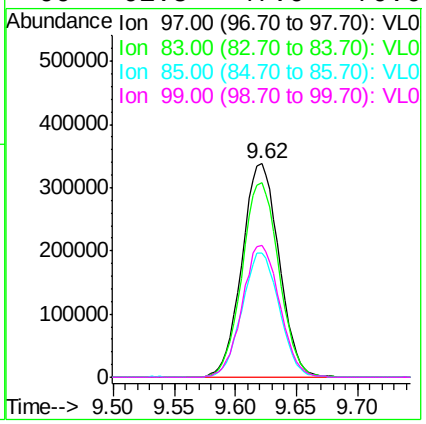


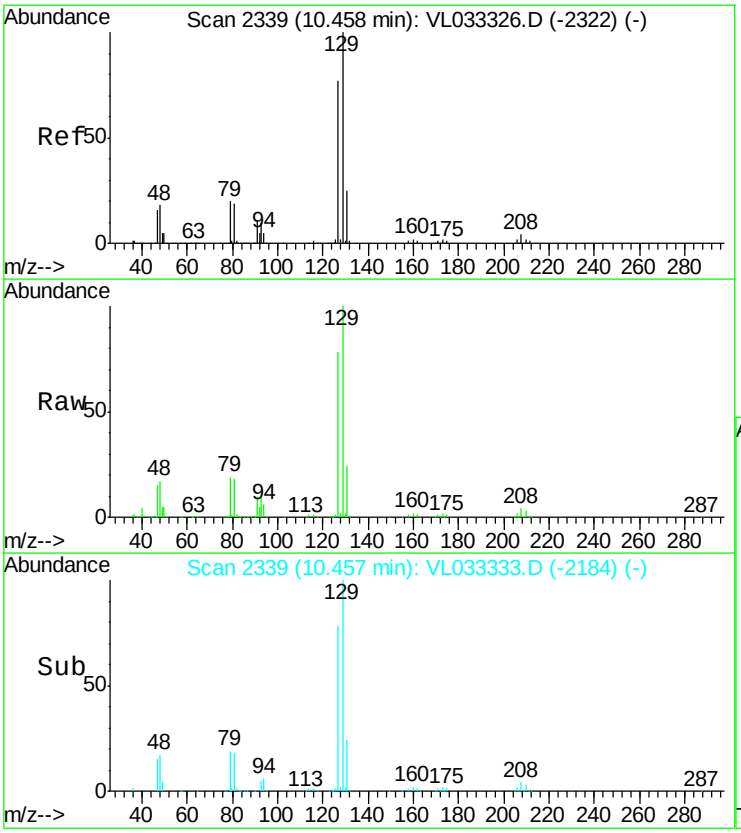
#47
1,1,2-Trichloroethane
Concen: 9.624 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 97 Resp: 709315

Ion	Ratio	Lower	Upper
97	100		
83	91.0	67.4	101.0
85	58.0	43.0	64.4
99	61.5	47.0	70.6

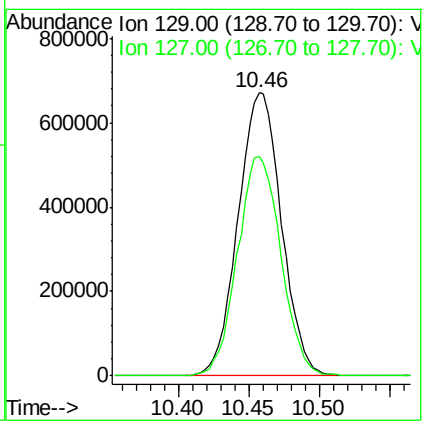


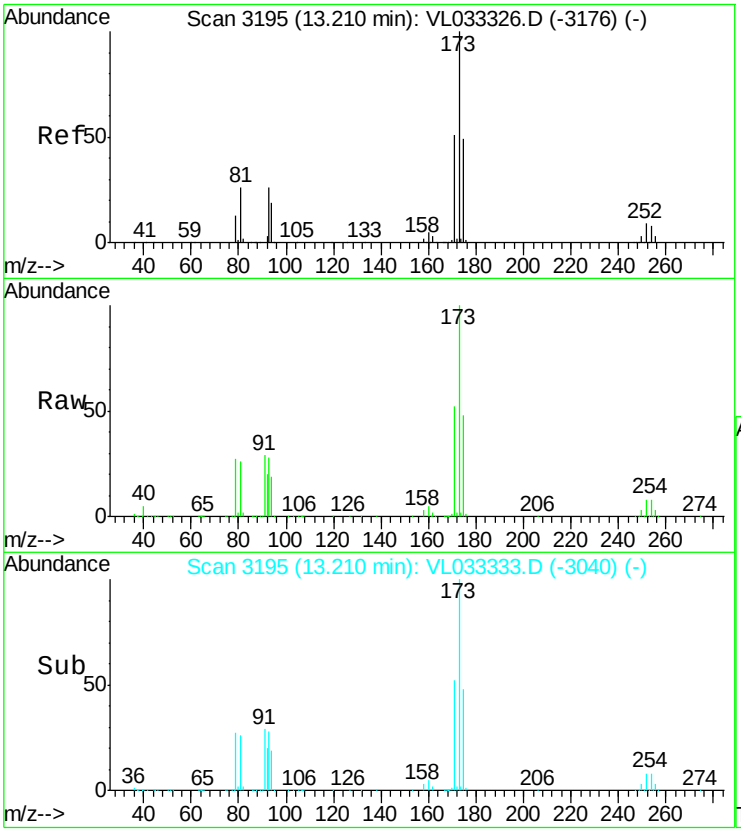


#48
Dibromochloromethane
Concen: 11.681 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:129 Resp: 1443808

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.6



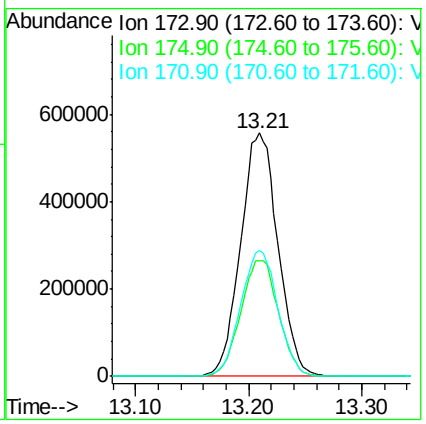


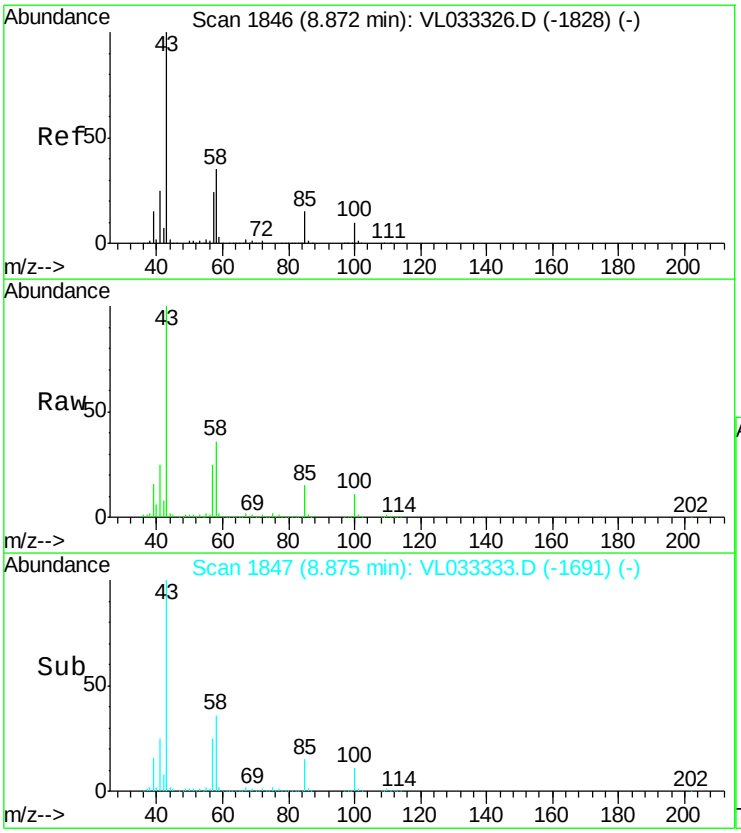
#49
Bromoform
Concen: 10.904 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:173 Resp: 1278515

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.0	58.6
171	51.7	41.7	62.5

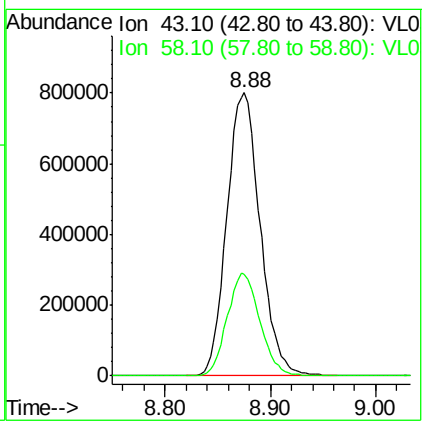


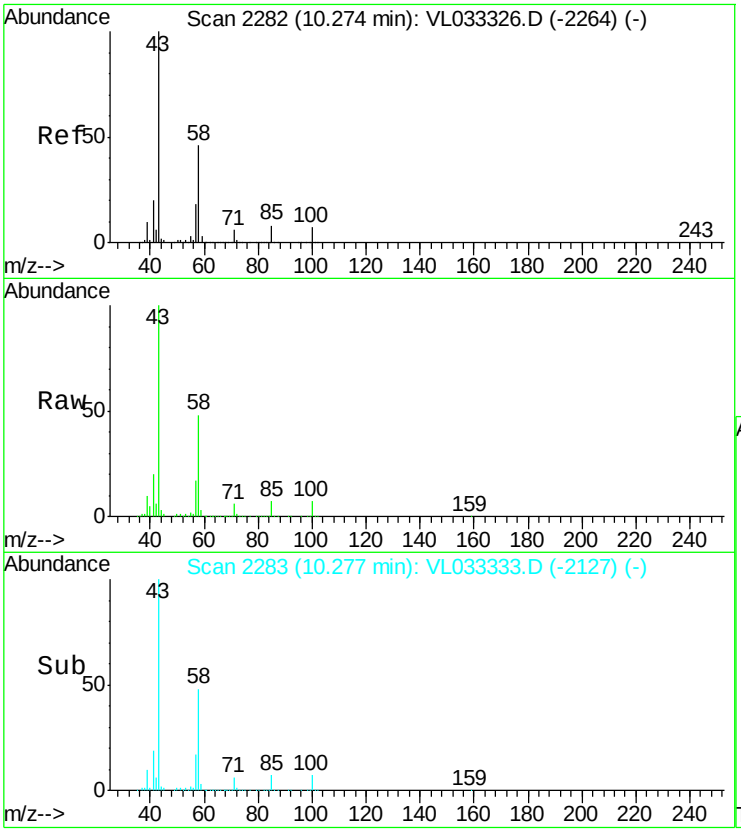


#50
4-Methyl-2-Pentanone
Concen: 9.484 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 43 Resp: 1751073

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.4	42.6



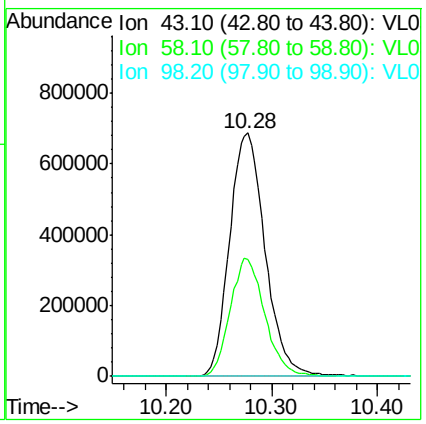


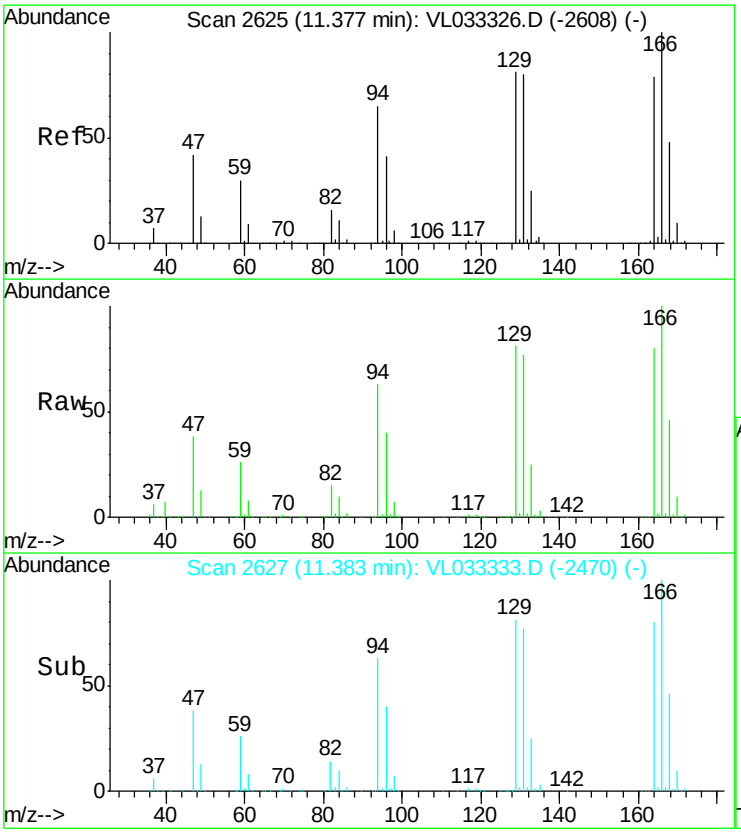
#51
2-Hexanone
Concen: 11.234 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 43 Resp: 1600156

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.0	57.0
98	0.1	0.1	0.1#

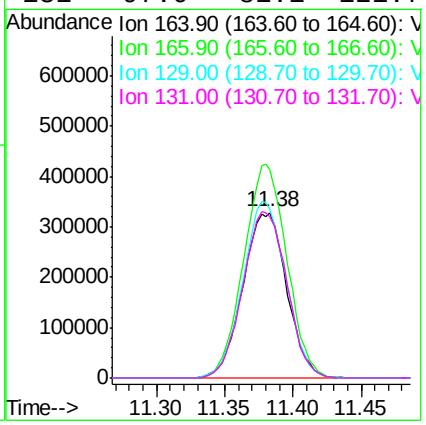


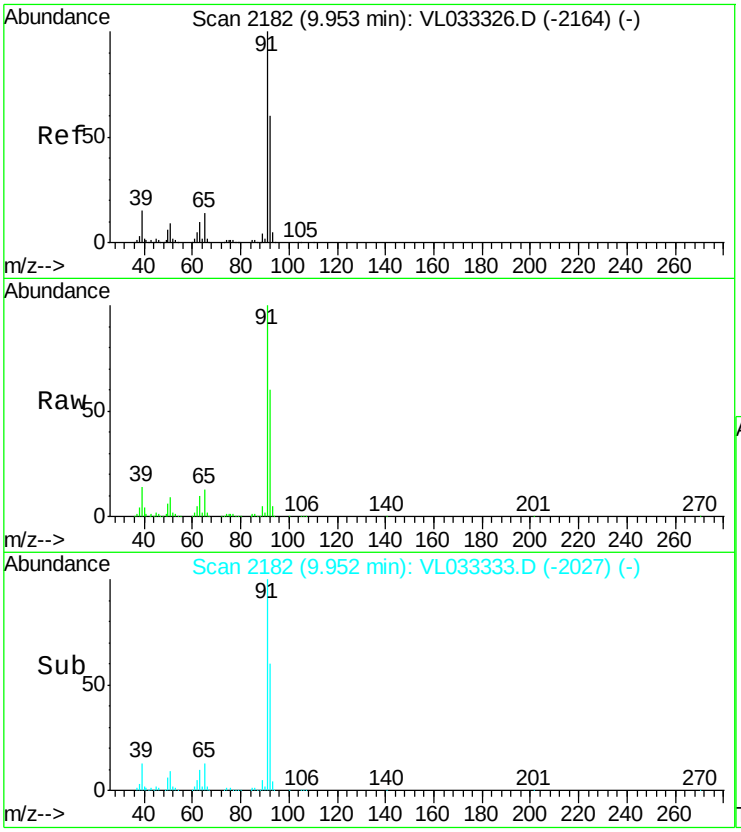


#52
Tetrachloroethene
Concen: 9.874 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.01 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:164 Resp: 732678

Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.5	152.3
129	101.8	82.2	123.2
131	97.0	81.1	121.7



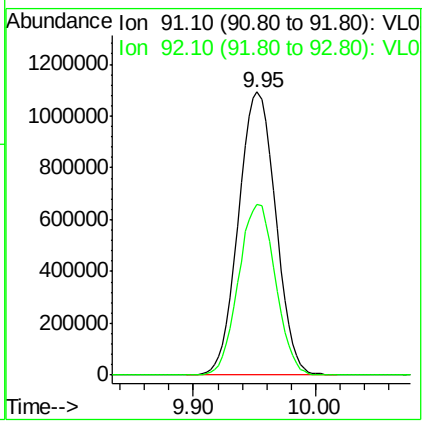


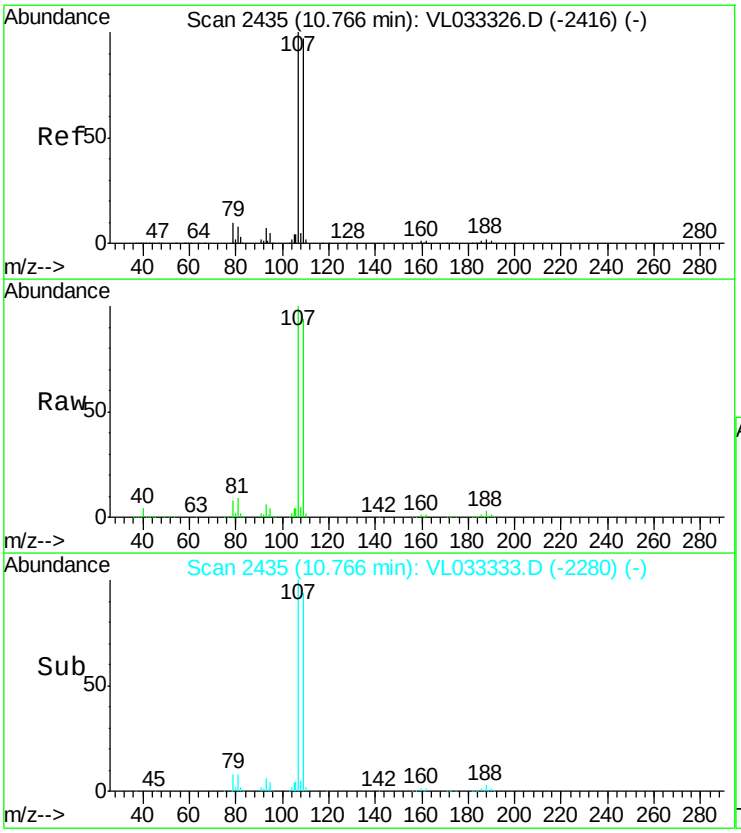
#53
Toluene
Concen: 11.369 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 91 Resp: 2301082

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.4	71.0

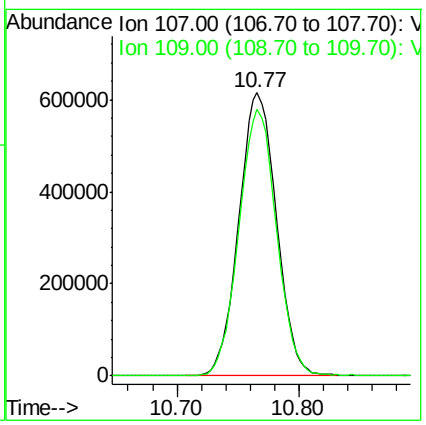


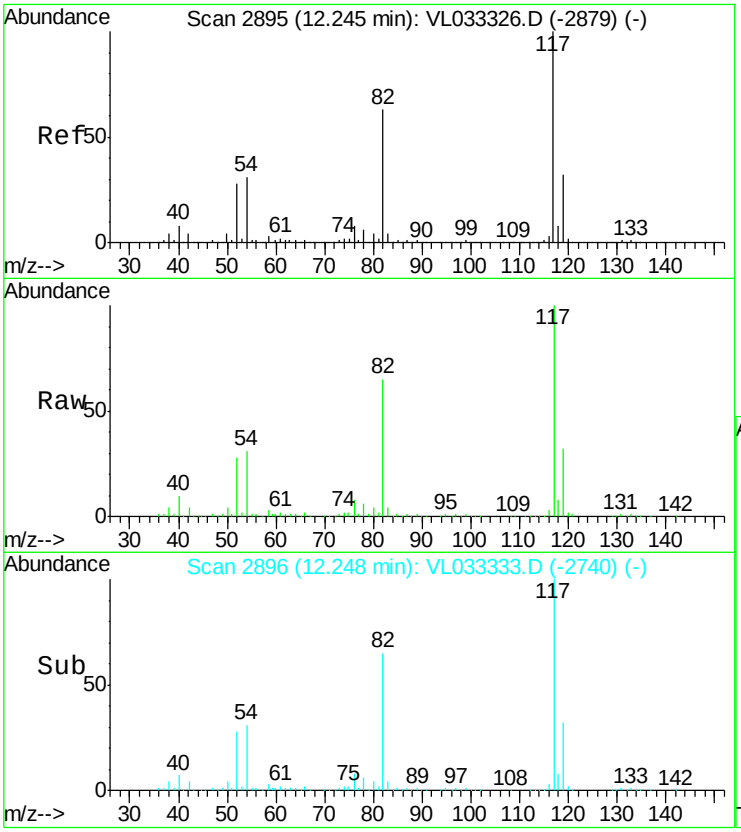


#54
1,2-Dibromoethane
Concen: 10.497 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:107 Resp: 1307861

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.2	115.8



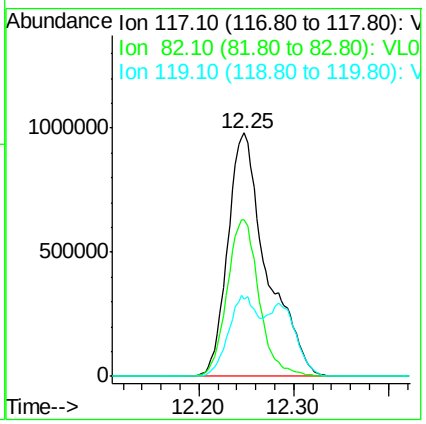


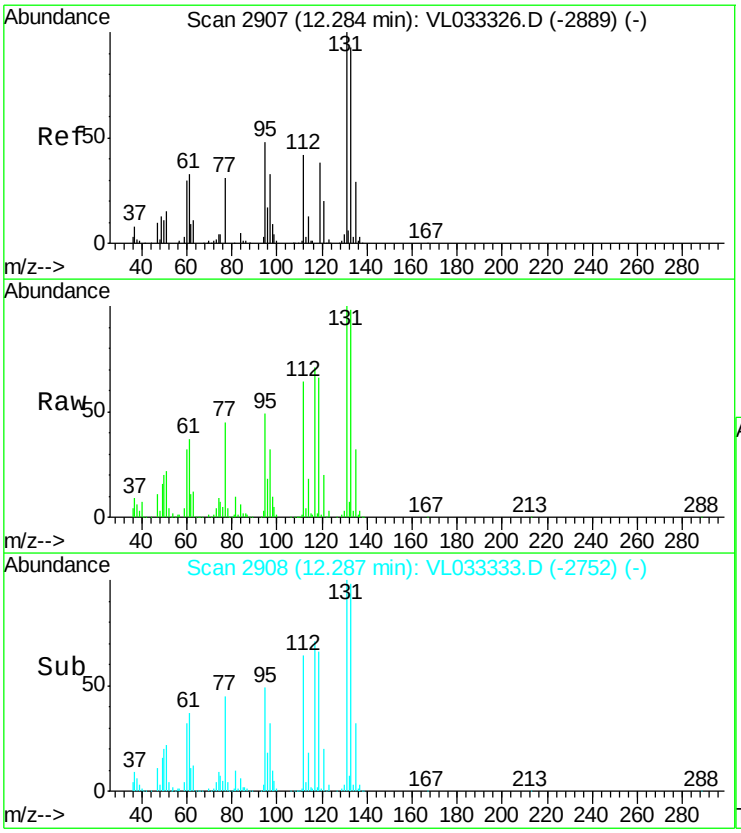
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:117 Resp: 2804133

Ion	Ratio	Lower	Upper
117	100		
82	53.0	53.4	80.2#
119	27.2	27.3	40.9#

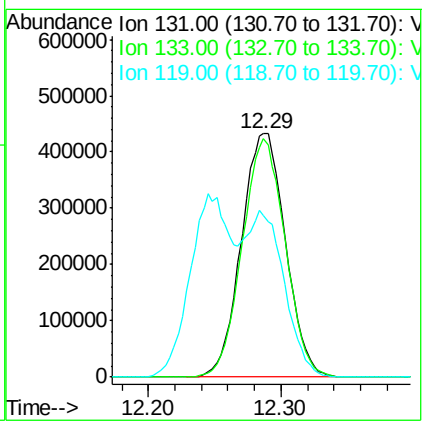


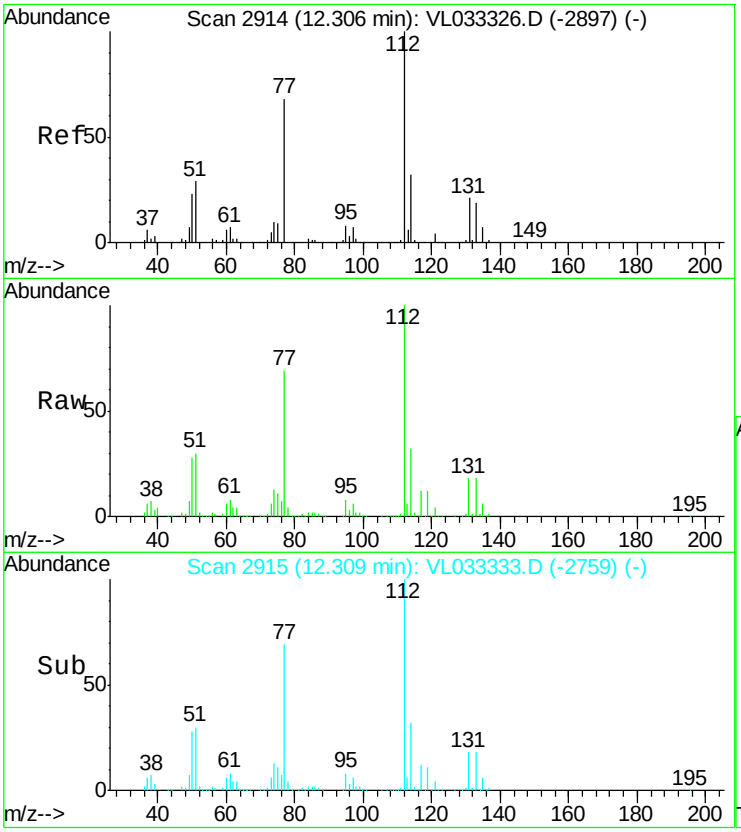


#56
1,1,1,2-Tetrachloroethane
Concen: 7.977 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:131 Resp: 1000588

Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.7	115.1
119	61.3	40.3	60.5#



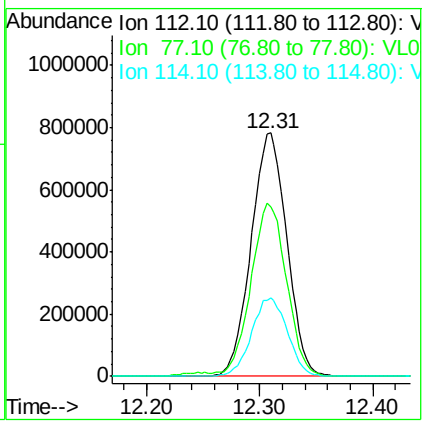


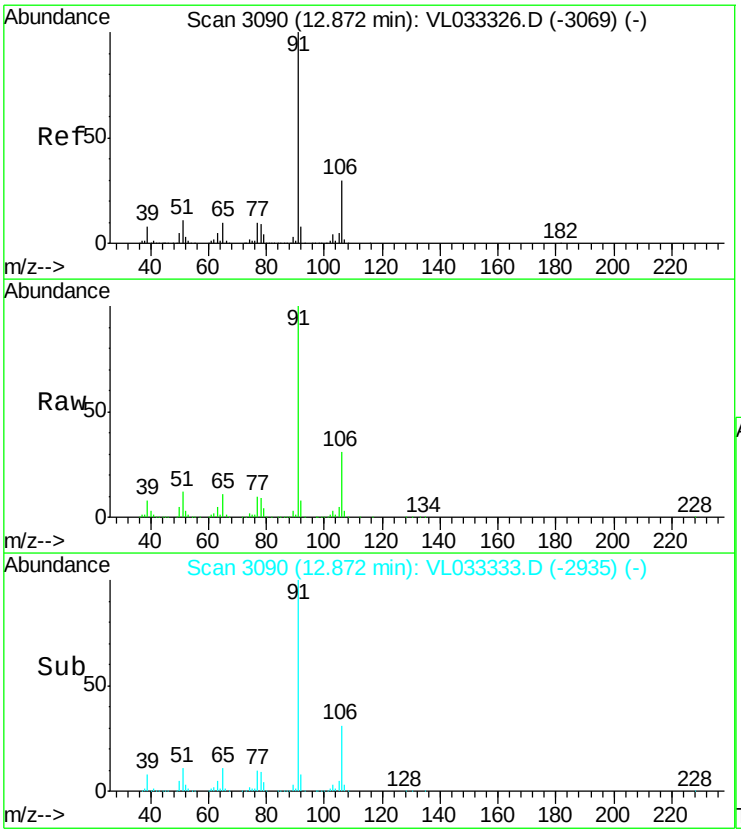
#57
Chlorobenzene
Concen: 7.719 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:112 Resp: 1714307

Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.8	83.6
114	32.4	28.6	35.0

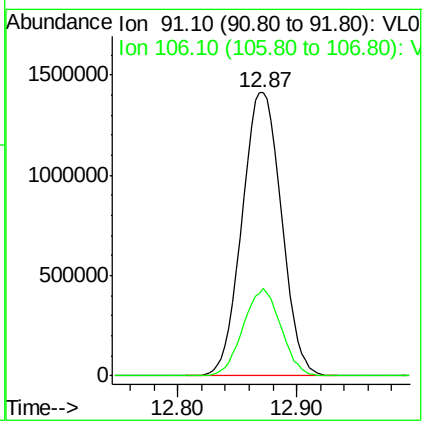


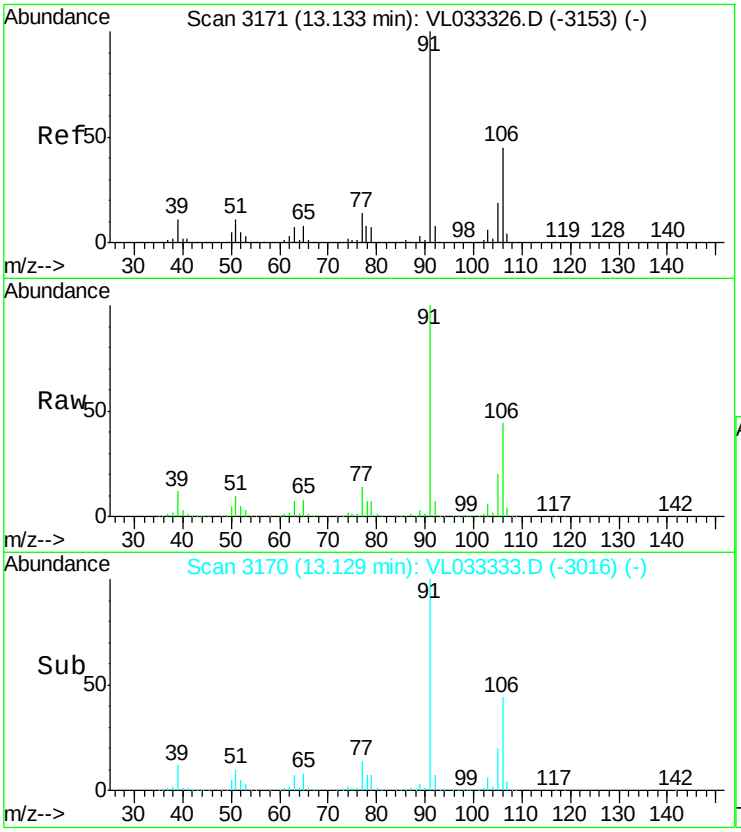


#58
Ethyl Benzene
Concen: 8.171 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 91 Resp: 3241308

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2



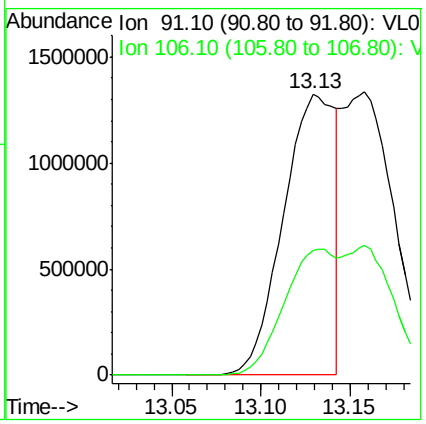


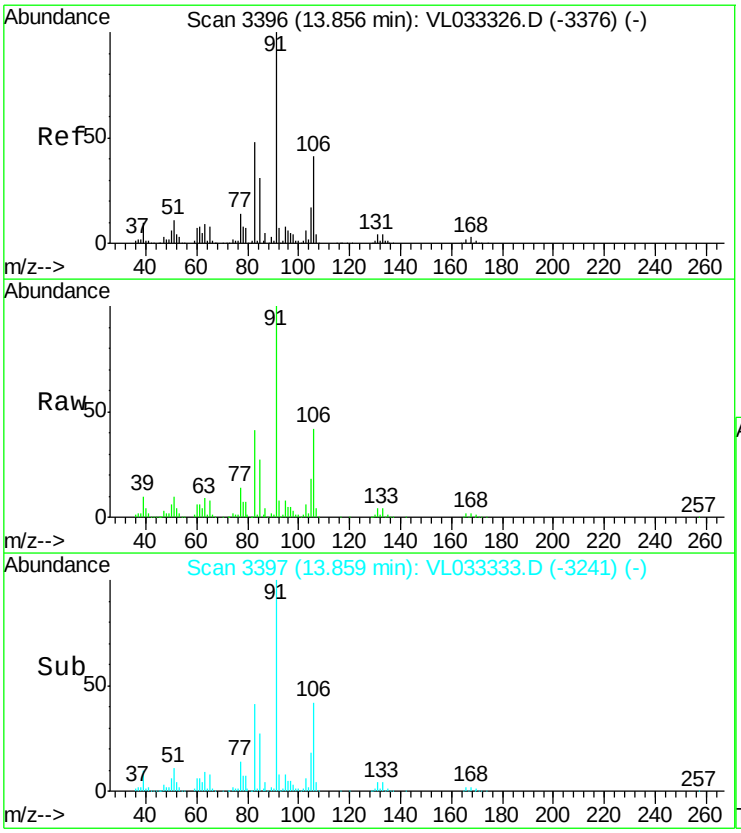
#59
m/p-Xylene
Concen: 7.761 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion: 91 Resp: 2645893

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

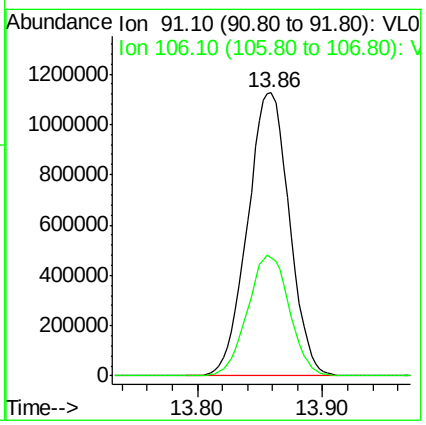


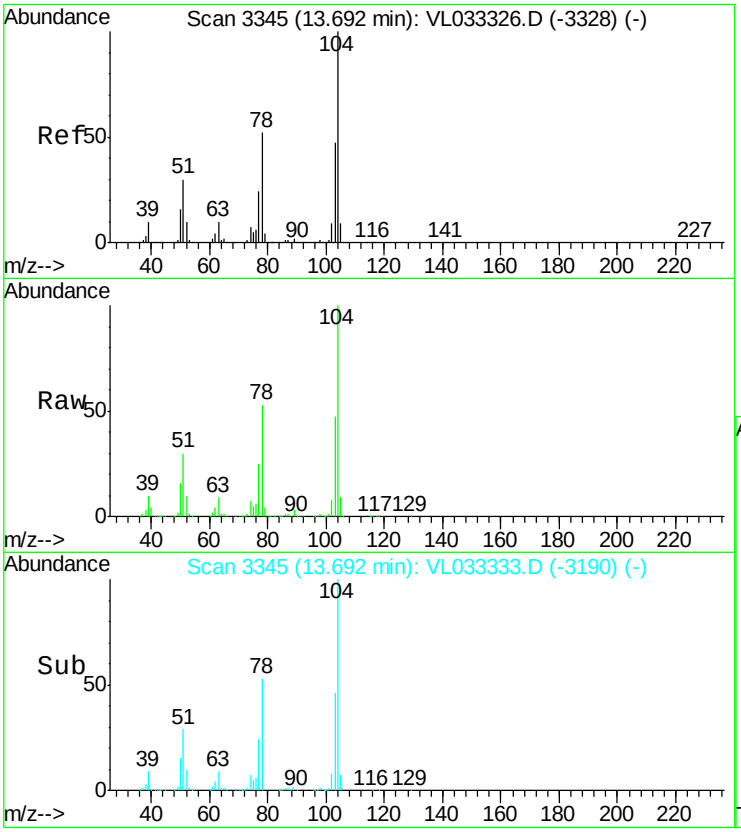


#60
o-Xylene
Concen: 7.840 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 91 Resp: 2607530

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.3	63.9



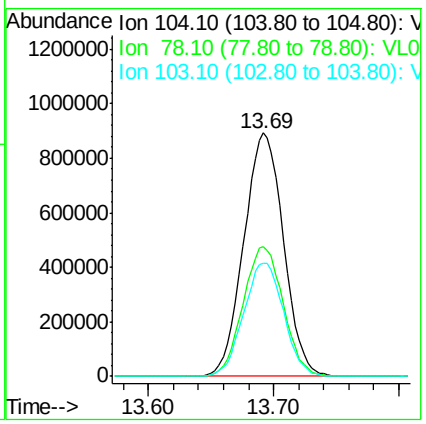


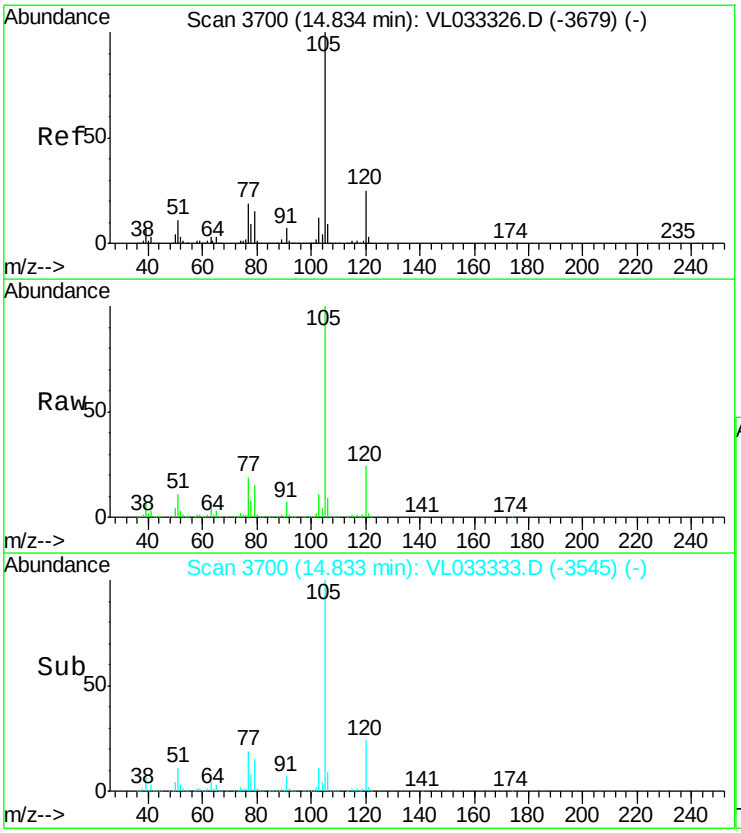
#61
Styrene
Concen: 8.437 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:104 Resp: 1964659

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.7	64.1
103	47.1	38.0	57.0

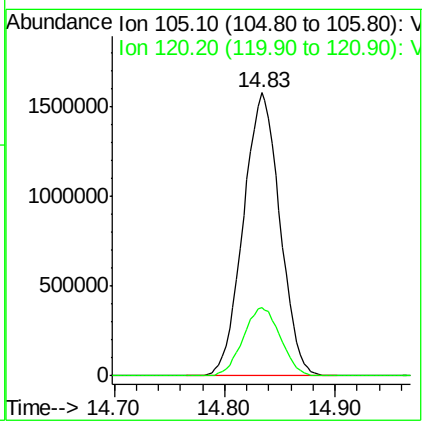


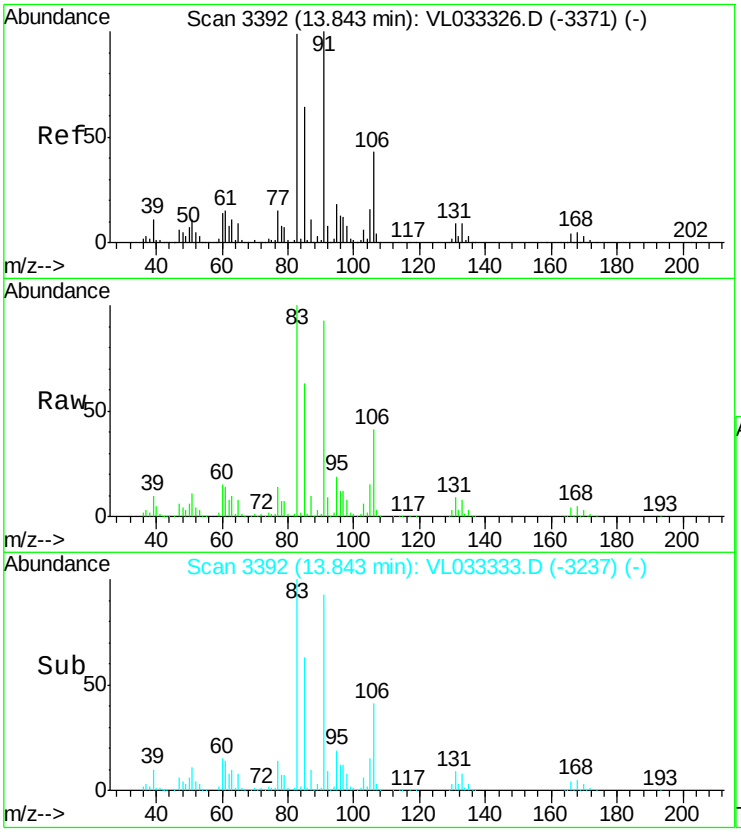


#62
Isopropylbenzene
Concen: 7.827 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:105 Resp: 3619042

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9



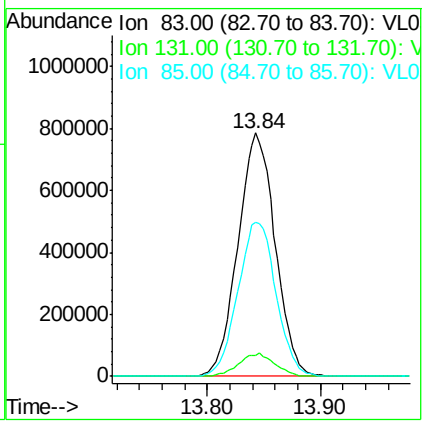


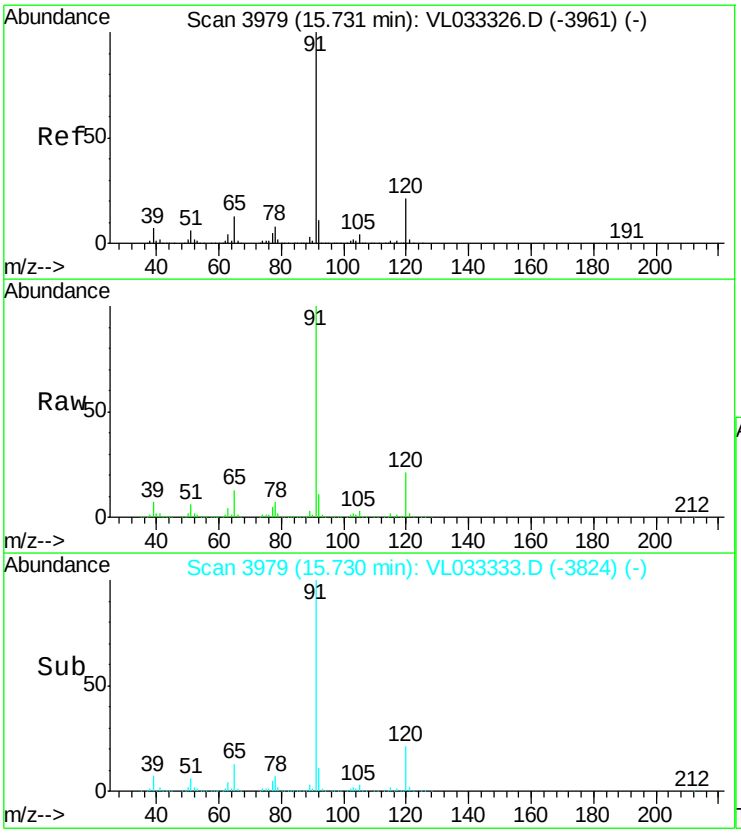
#63
1,1,2,2-Tetrachloroethane
Concen: 7.487 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 83 Resp: 1799948

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	64.8	32.5	97.4

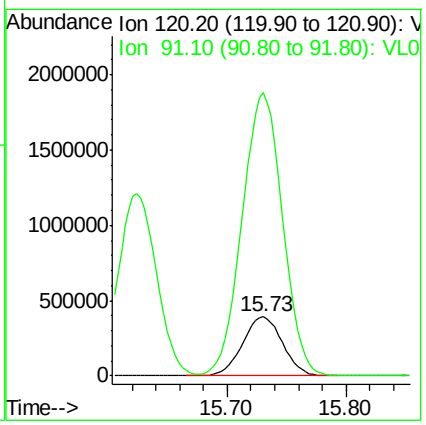


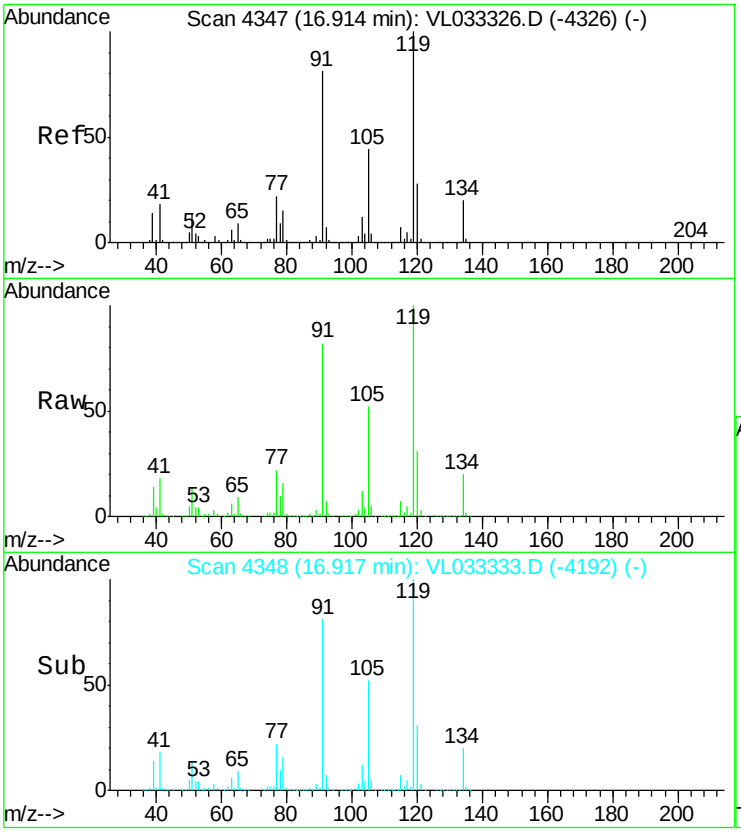


#64
n-propylbenzene
Concen: 7.772 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:120 Resp: 909255

Ion	Ratio	Lower	Upper
120	100		
91	487.2	389.8	584.6



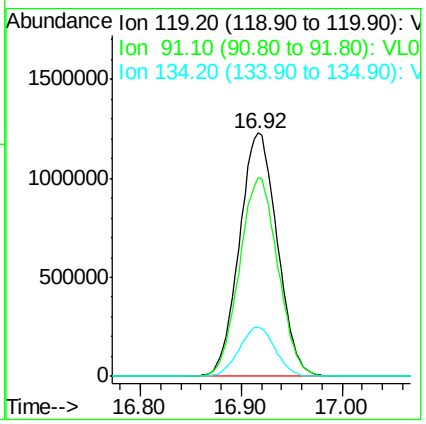


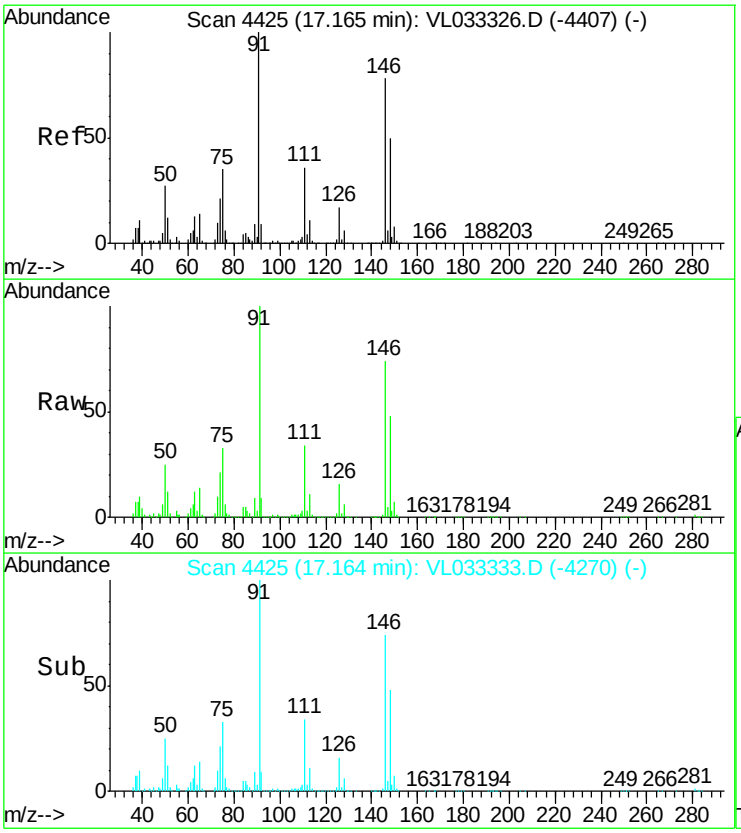
#65
tert-Butylbenzene
Concen: 7.701 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:119 Resp: 3205514

Ion	Ratio	Lower	Upper
119	100		
91	82.8	67.2	100.8
134	19.2	15.4	23.2

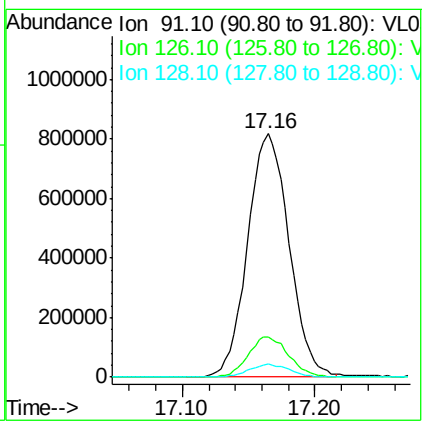


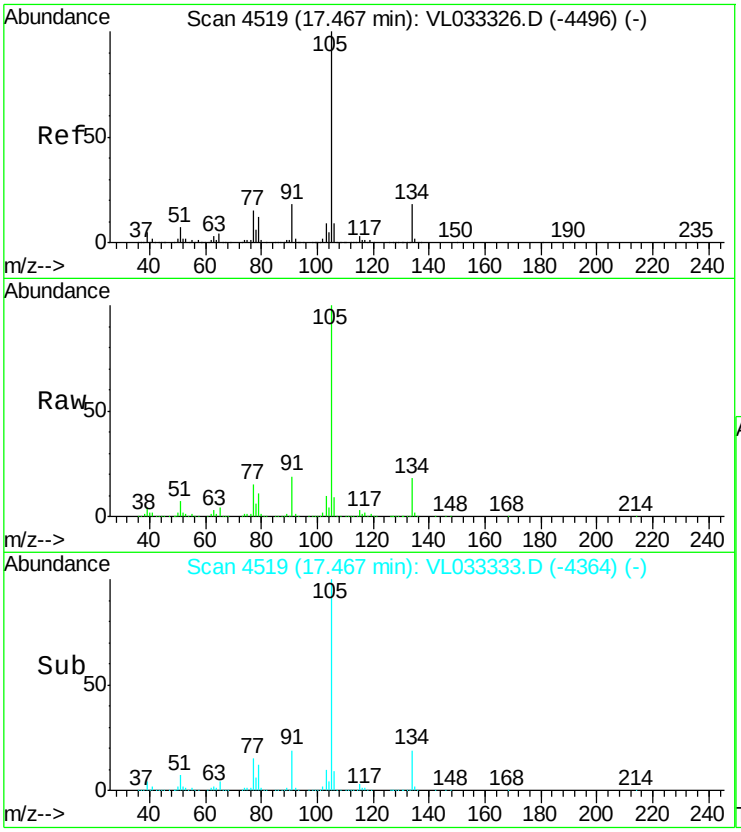


#66
Benzyl Chloride
Concen: 10.302 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 91 Resp: 1772079

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.2	19.8
128	5.3	4.2	6.4



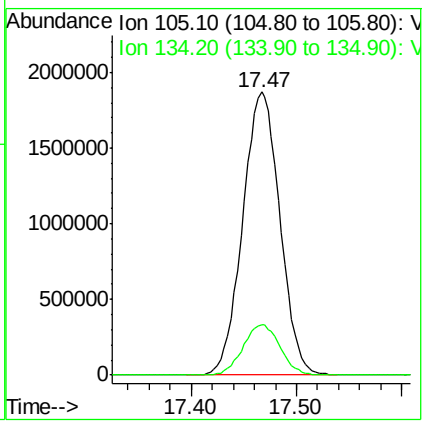


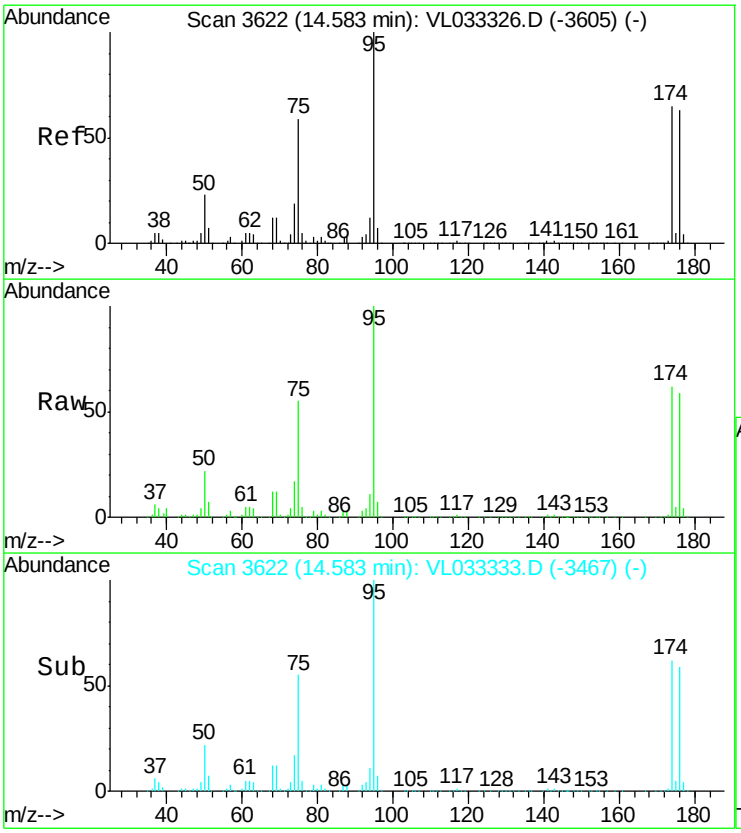
#67
sec-Butylbenzene
Concen: 7.768 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:105 Resp: 4582296

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.4

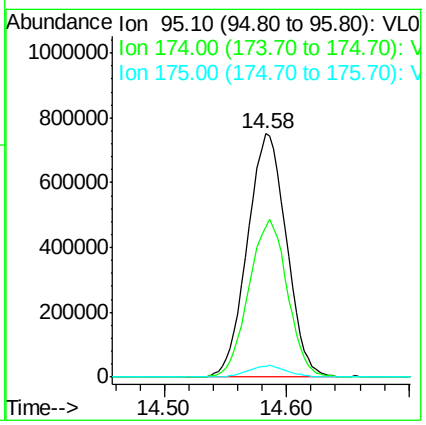


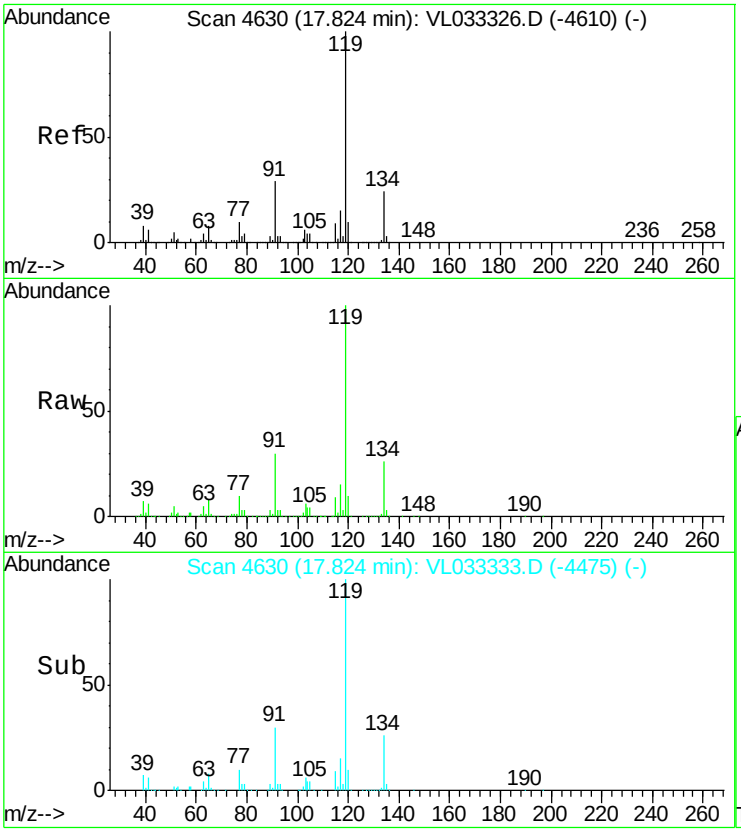


#68
1-Bromo-4-Fluorobenzene
Concen: 8.011 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 95 Resp: 1664659

Ion	Ratio	Lower	Upper
95	100		
174	64.1	51.5	77.3
175	4.7	3.8	5.6



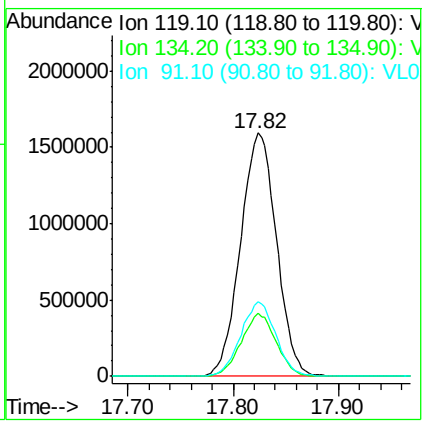


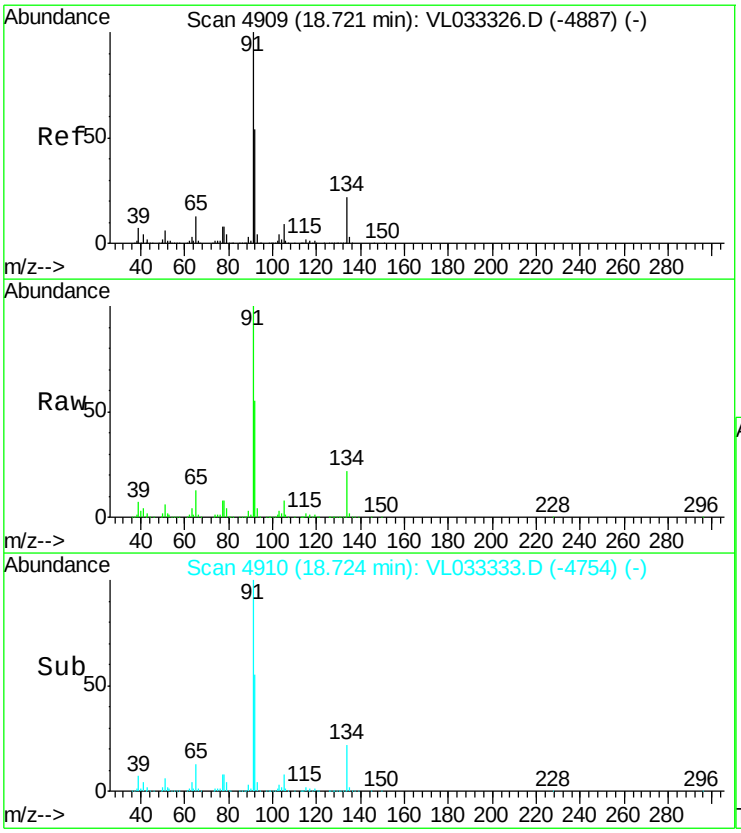
#69
p-Isopropyltoluene
Concen: 7.857 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion:119 Resp: 3786256

Ion	Ratio	Lower	Upper
119	100		
134	25.0	19.8	29.6
91	29.9	23.4	35.2

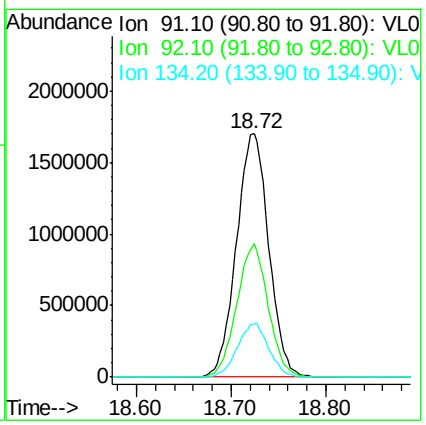


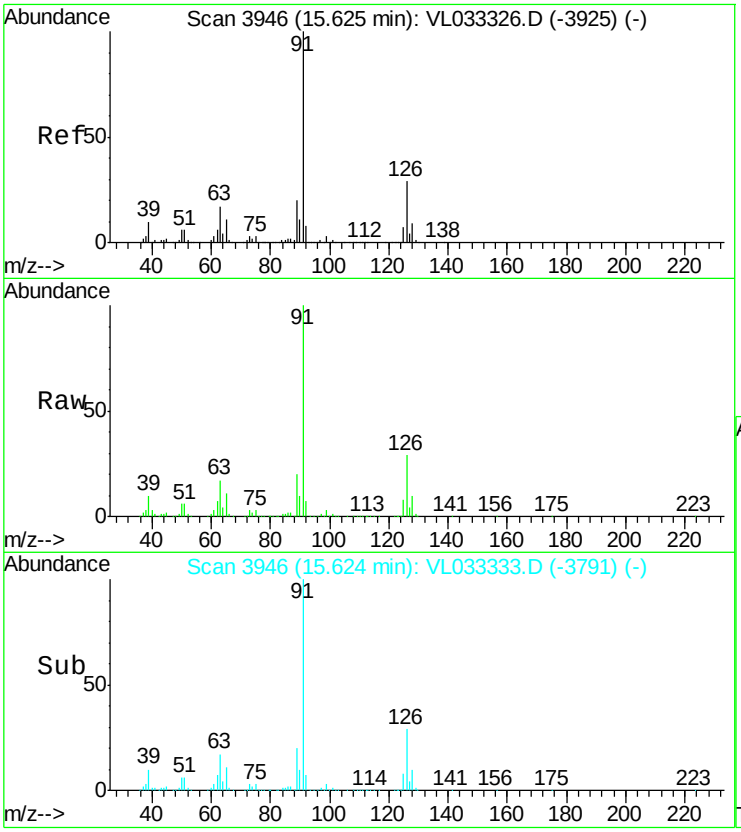


#70
n-Butylbenzene
Concen: 7.841 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion: 91 Resp: 4029153

Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.8	64.2
134	21.5	17.4	26.0



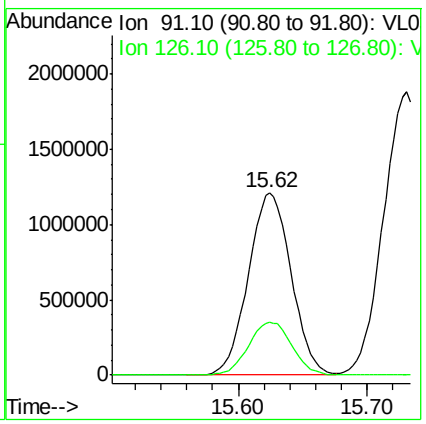


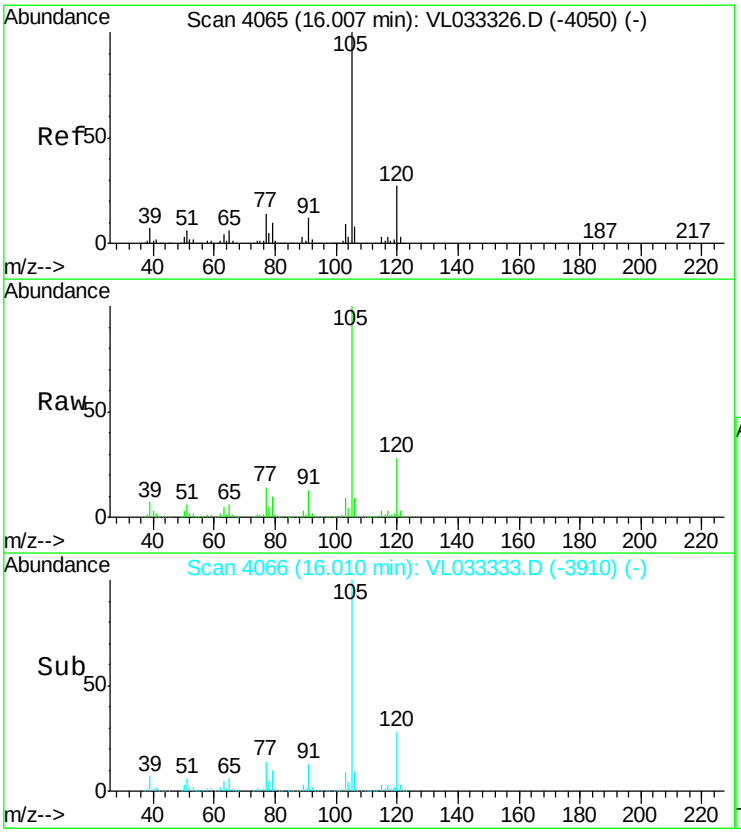
#71
2-Chlorotoluene
Concen: 7.790 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument : MSVOA_L
ClientSampleId : ICVVL031519

Tgt Ion: 91 Resp: 2803800

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.6	46.6

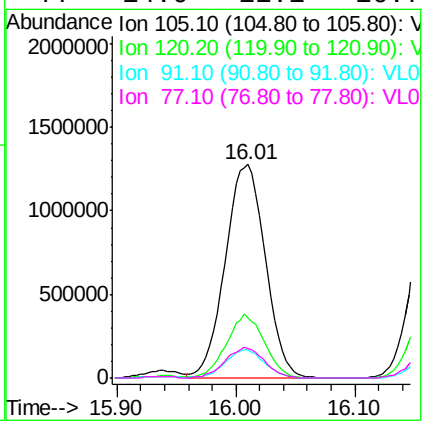


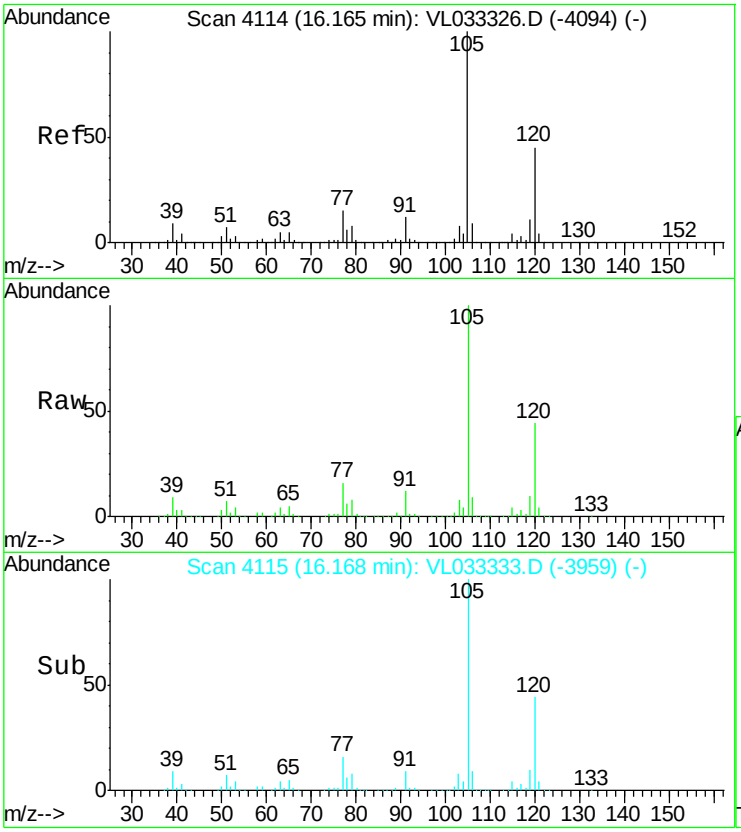


#72
4-Ethyltoluene
Concen: 7.885 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:105 Resp: 2977979

Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.9	34.3
91	12.9	10.2	15.2
77	14.0	11.1	16.7



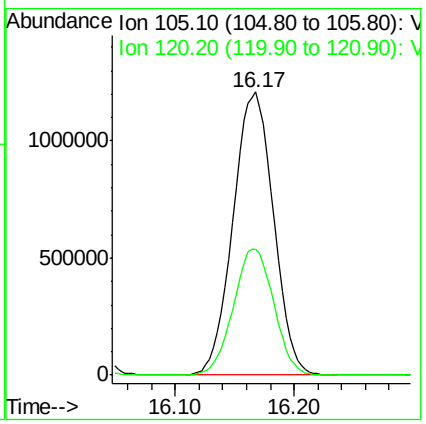


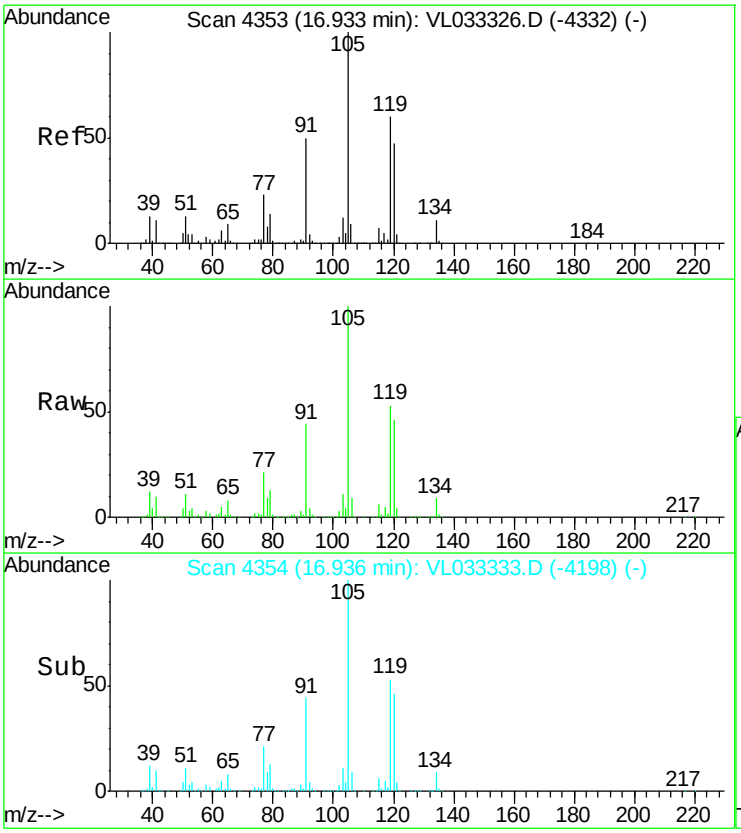
#73
1,3,5-Trimethylbenzene
Concen: 7.705 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:105 Resp: 2834852

Ion	Ratio	Lower	Upper
105	100		
120	44.3	36.2	54.4

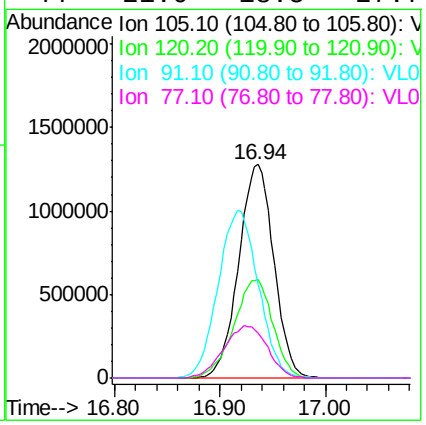


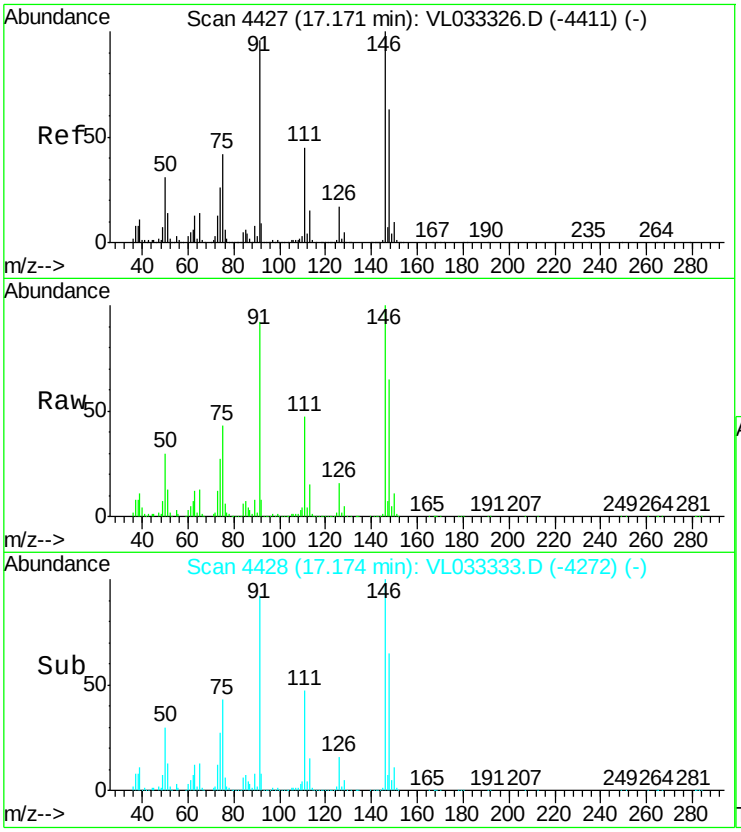


#74
1,2,4-Trimethylbenzene
Concen: 7.598 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:105 Resp: 2960562

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.4	56.2
91	43.8	41.0	61.4
77	21.0	18.5	27.7



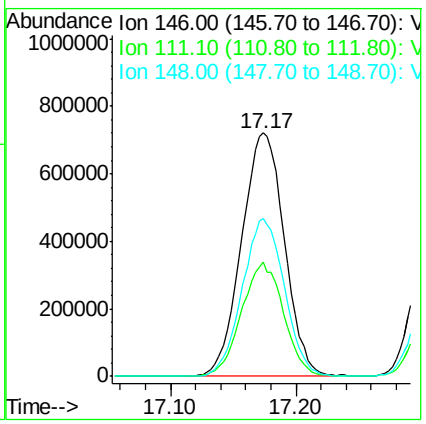


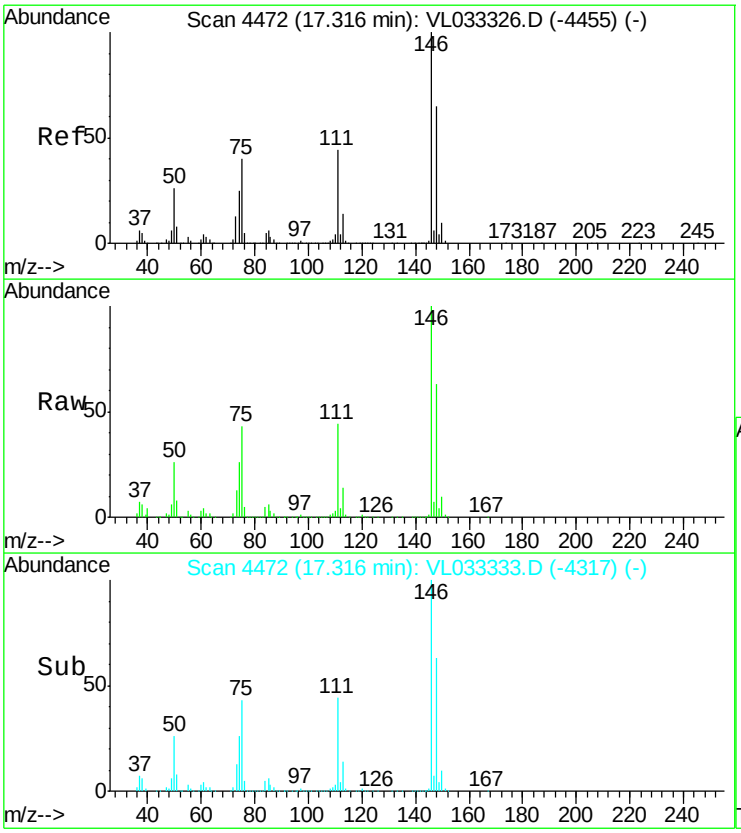
#75
1,3-Dichlorobenzene
Concen: 7.445 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:146 Resp: 1709770

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.8	68.3
148	64.1	31.9	95.7

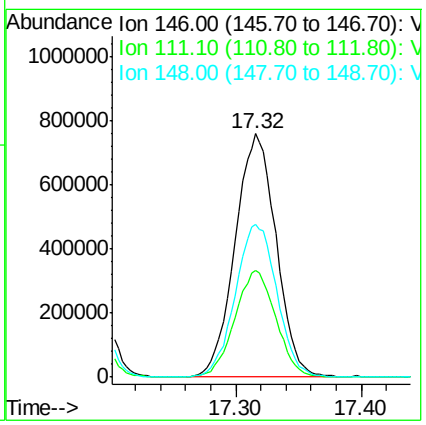


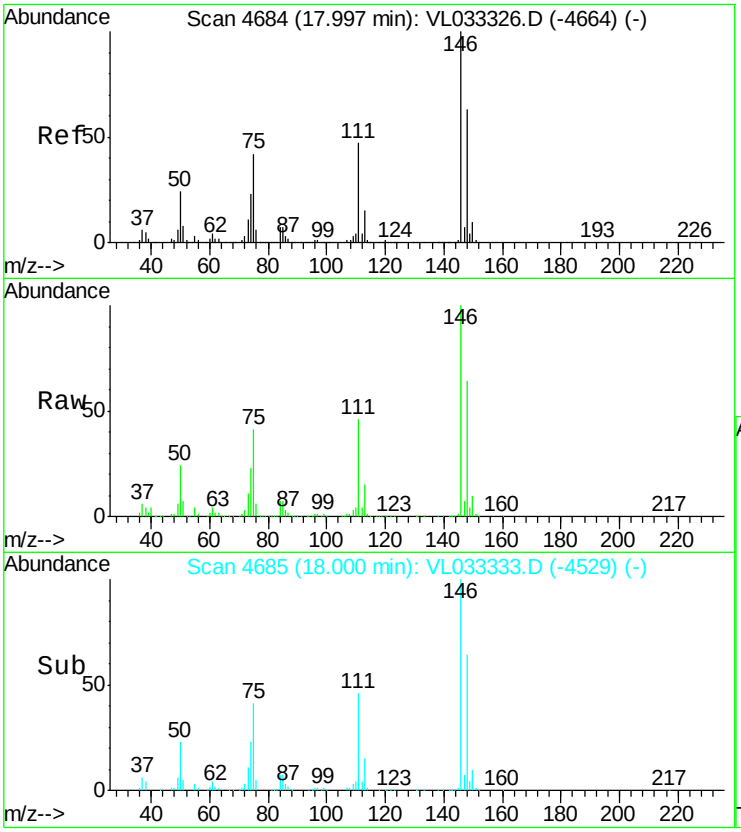


#76
1,4-Dichlorobenzene
Concen: 7.707 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:146 Resp: 1713728

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.7
148	64.2	32.1	96.5



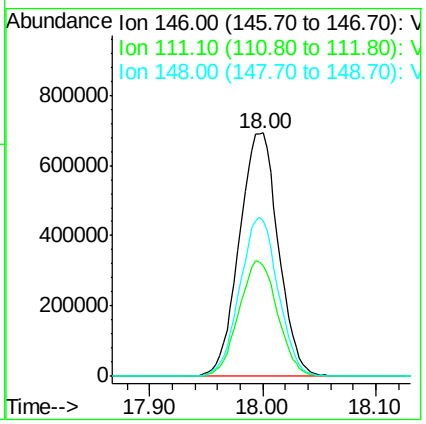


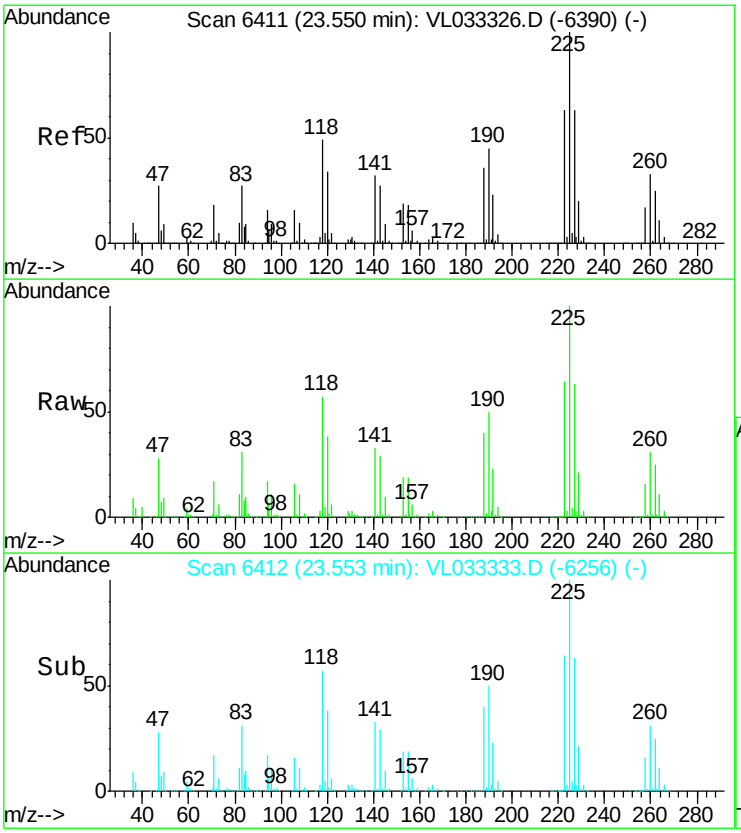
#77
1,2-Dichlorobenzene
Concen: 7.660 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:146 Resp: 1666210

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.6
148	64.2	31.9	95.9

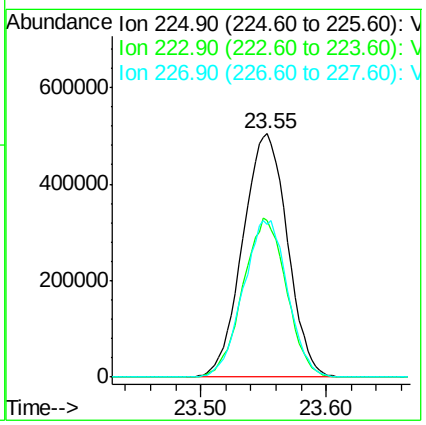


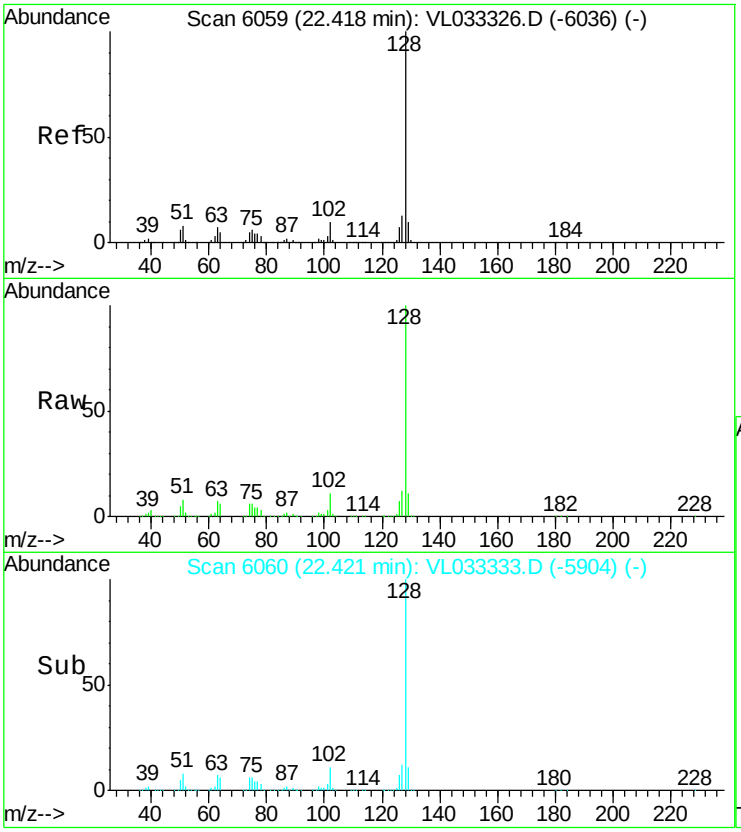


#78
Hexachloro-1,3-Butadiene
Concen: 9.579 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:225 Resp: 1249262

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.4	75.6
227	64.1	50.5	75.7



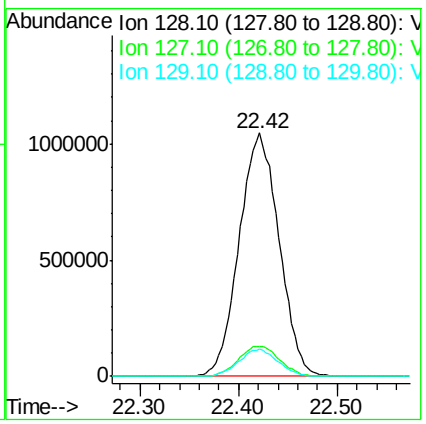


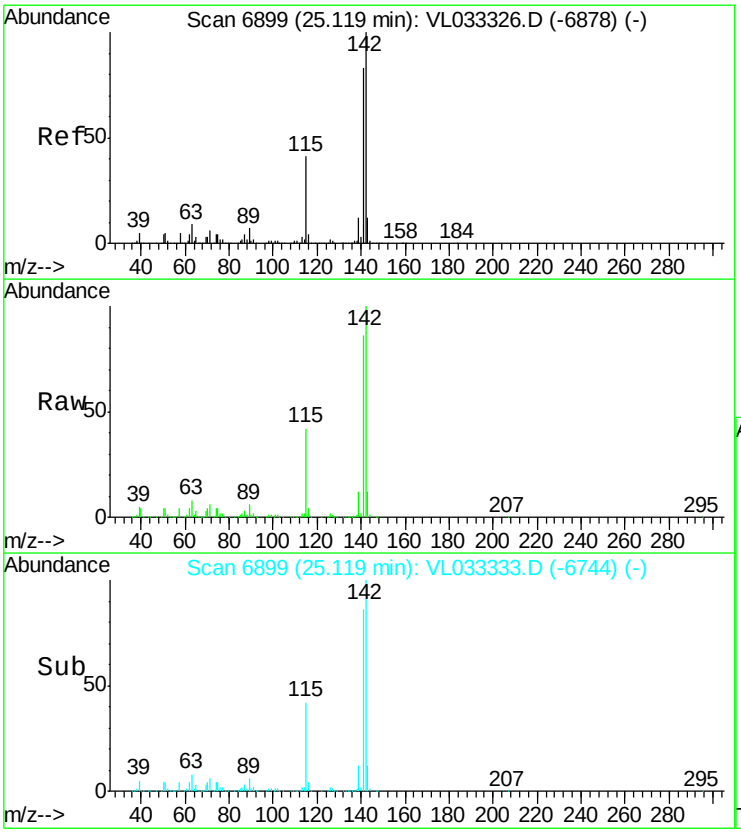
#79
Naphthalene
Concen: 7.774 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:128 Resp: 2919240

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.0	8.2	12.2

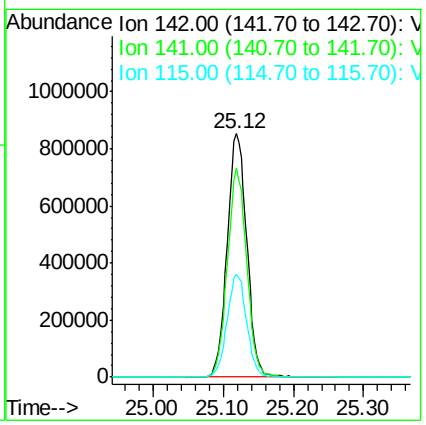


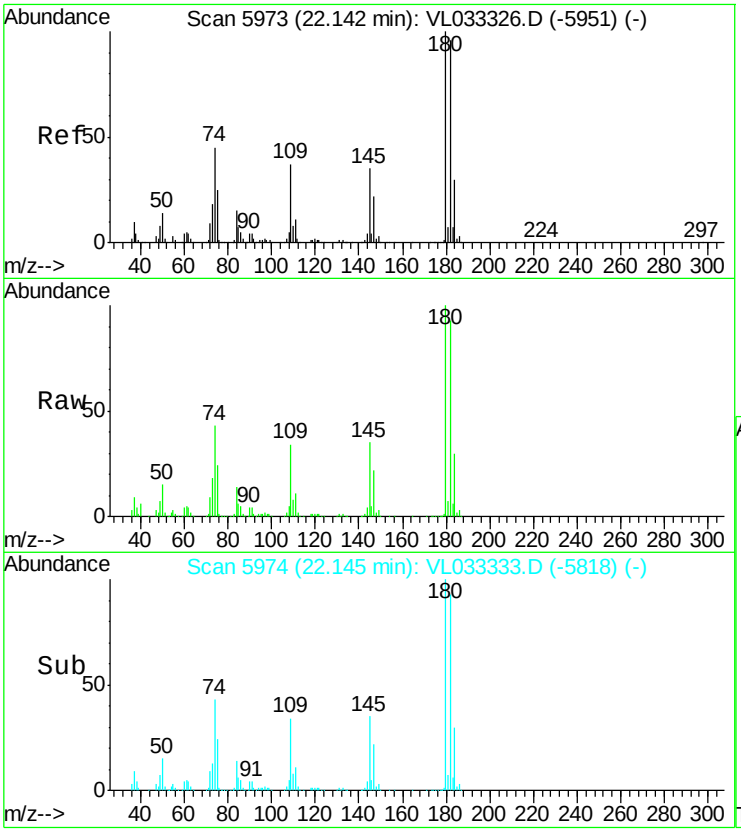


#80
Naphthalene,2-methyl-
Concen: 9.354 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Tgt Ion:142 Resp: 1665507

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.1	100.7
115	42.0	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 7.634 ppbv
RT: 22.14 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033333.D
Acq: 15 Mar 2019 15:20

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031519

Tgt Ion:180 Resp: 1461822

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.7	24.6	37.0