Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033329.D
Acq On : 15 Mar 2019 12:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Mar 15 13:25:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	867928	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1984645	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2052935	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1588392	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	87221	0.555	ppbv		97
3) Chlorodifluoromethane	3.02	51	51944	0.523	ppbv		97
4) Chloromethane	3.17	50	28788	0.533	ppbv		94
5) Vinyl Chloride	3.29	62	26278	0.480	ppbv		99
6) Bromomethane	3.51	94	7727	0.233	ppbv	#	76
7) Chloroethane	3.60	64	10252	0.522	ppbv		98
8) Dichlorotetrafluoroethane	3.22	85	66715	0.498	ppbv		99
9) Propene	3.04	41	23241	0.522	ppbv		98
10) Heptane	8.25	43	52301	0.465	ppbv		100
11) Trichlorofluoromethane	4.01	101	82441	0.552	ppbv		85
12) 1,1,2-Trichlorotrifluoroet	4.55	101	52967	0.542	ppbv		100
13) Ethanol	3.66	45	11998	0.775	ppbv		70
14) Bromoethene	3.79	108	22443	0.543	ppbv		89
15) Acetone	3.91	43	82580	0.621	ppbv		98
16) 1,3-Butadiene	3.36	39	13457	0.288	ppbv	#	2
17) tert-Butyl alcohol	4.36	59	1465	0.077	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	13278	0.307	ppbv		93
19) Isopropyl Alcohol	4.03	45	19670	0.295	ppbv	#	83
20) Methylene Chloride	4.41	84	15275	0.359	ppbv		94
21) Allyl Chloride	4.48	41	31714	0.482	ppbv		92
22) trans-1,2-Dichloroethene	4.97	96	22763	0.529	ppbv		86
23) Vinyl Acetate	5.16	43	74100	0.477	ppbv	#	94
24) 1,1-Dichloroethane	5.09	63	59339	0.537	ppbv		98
25) Ethyl Acetate	5.78	43	101381	0.527	ppbv		99
26) Hexane	5.78	57	24176	0.275	ppbv	#	1
27) Carbon Disulfide	4.62	76	44901	0.452	ppbv	#	90
28) Methyl tert-Butyl Ether	5.13	73	65366	0.516	ppbv		99
29) Chloroform	5.85	83	75230	0.525	ppbv		92
30) Cyclohexane	7.25	84	35916	0.515	ppbv		87
31) cis-1,2-Dichloroethene	5.64	61	43032	0.493	ppbv		95
32) 1,1,1-Trichloroethane	6.62	97	67444	0.474	ppbv		94
34) 2-Butanone	5.34	43	68196	0.542	ppbv		96
35) Carbon Tetrachloride	7.13	117	65470	0.457	ppbv		93
36) Benzene	7.00	78	87798	0.495	ppbv		98
37) 1,2-Dichloroethane	6.41	62	58806	0.532	ppbv		98
38) Trichloroethene	7.96	130	33988	0.487	ppbv		92
39) 1,2-Dichloropropane	7.74	63	32750	0.485	ppbv		90
40) 1,4-Dioxane	7.98	88	4214	0.170	ppbv	#	1
41) Tetrahydrofuran	6.17	42	31822	0.456	ppbv		98
42) Bromodichloromethane	7.91	83	72984	0.484	ppbv		89
43) Methyl Methacrylate	8.15	69	32035	0.463	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033329.D
Acq On : 15 Mar 2019 12:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Mar 15 13:25:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	143660	0.483 ppbv		96
45) t-1,3-Dichloropropene	9.42	75	33857	0.400 ppbv	#	86
46) cis-1,3-Dichloropropene	8.84	75	42921	0.431 ppbv		91
47) 1,1,2-Trichloroethane	9.61	97	24456	0.337 ppbv		98
48) Dibromochloromethane	10.45	129	53154	0.428 ppbv		98
49) Bromoform	13.20	173	22093	0.197 ppbv	#	13
50) 4-Methyl-2-Pentanone	8.89	43	88712	0.482 ppbv		97
51) 2-Hexanone	10.29	43	63137	0.431 ppbv	#	96
52) Tetrachloroethene	11.38	164	33892	0.473 ppbv		97
53) Toluene	9.95	91	94000	0.465 ppbv		99
54) 1,2-Dibromoethane	10.76	107	52995	0.448 ppbv		89
56) 1,1,1,2-Tetrachloroethane	12.28	131	46025	0.500 ppbv	#	1
57) Chlorobenzene	12.31	112	87995	0.540 ppbv	#	84
58) Ethyl Benzene	12.87	91	146110	0.503 ppbv		97
59) m/p-Xylene	13.12	91	95105	0.384 ppbv	#	100
60) o-Xylene	13.85	91	126991	0.524 ppbv		99
61) Styrene	13.69	104	82610	0.488 ppbv		97
62) Isopropylbenzene	14.83	105	176356	0.527 ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	94758	0.517 ppbv		98
64) n-propylbenzene	15.72	120	27096	0.320 ppbv	#	1
65) tert-Butylbenzene	16.91	119	153273	0.497 ppbv		96
66) Benzyl Chloride	17.16	91	11617	0.092 ppbv	#	13
67) sec-Butylbenzene	17.46	105	220482	0.500 ppbv		100
69) p-Isopropyltoluene	17.82	119	176021	0.490 ppbv		96
70) n-Butylbenzene	18.72	91	192072	0.501 ppbv		97
71) 2-Chlorotoluene	15.62	91	135681	0.509 ppbv		99
72) 4-Ethyltoluene	16.00	105	82037	0.297 ppbv	#	68
73) 1,3,5-Trimethylbenzene	16.16	105	134659	0.492 ppbv		96
74) 1,2,4-Trimethylbenzene	16.93	105	146804	0.509 ppbv		98
75) 1,3-Dichlorobenzene	17.17	146	58176	0.347 ppbv	#	56
76) 1,4-Dichlorobenzene	17.31	146	84137	0.510 ppbv		97
77) 1,2-Dichlorobenzene	17.99	146	84810	0.523 ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	32743	0.335 ppbv	#	34
79) Naphthalene	22.42	128	57203	0.203 ppbv		97
80) Naphthalene,2-methyl-	25.13	142	51843	0.382 ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	34249	0.235 ppbv	#	1

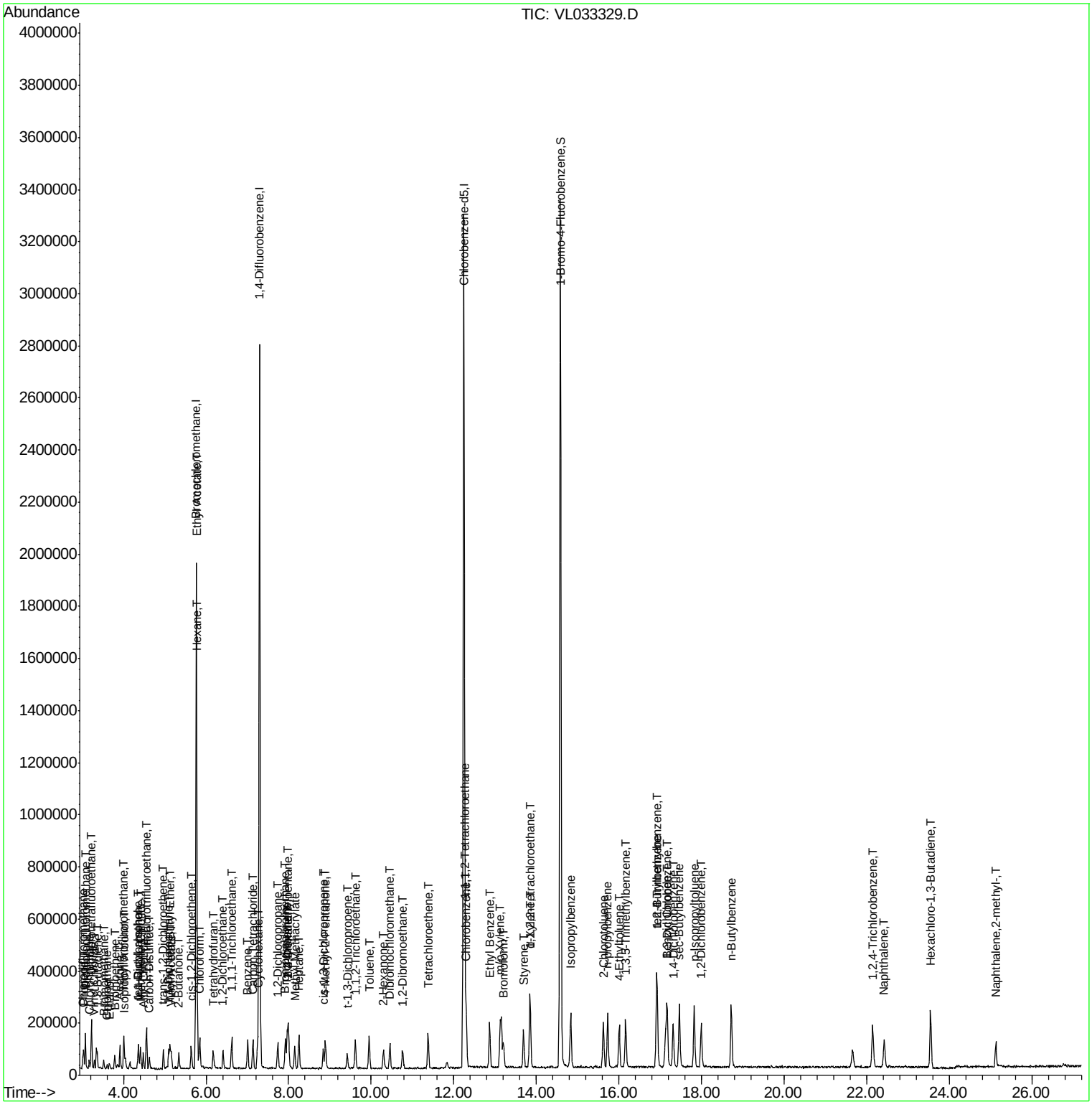
(#) = qualifier out of range (m) = manual integration (+) = signals summed

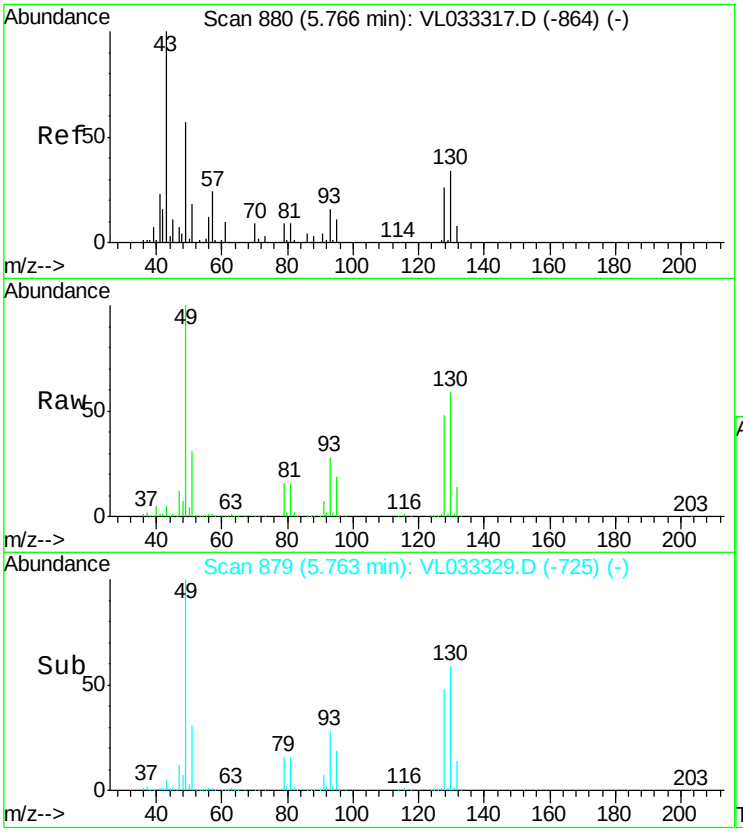
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033329.D
Acq On : 15 Mar 2019 12:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Mar 15 13:25:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration



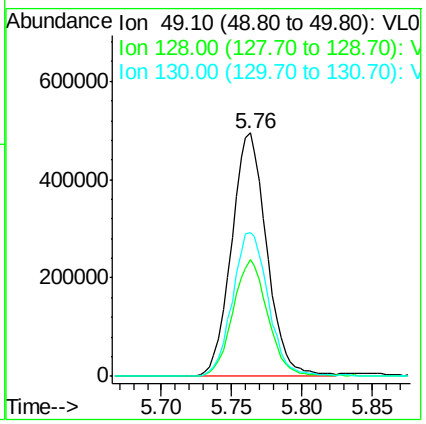


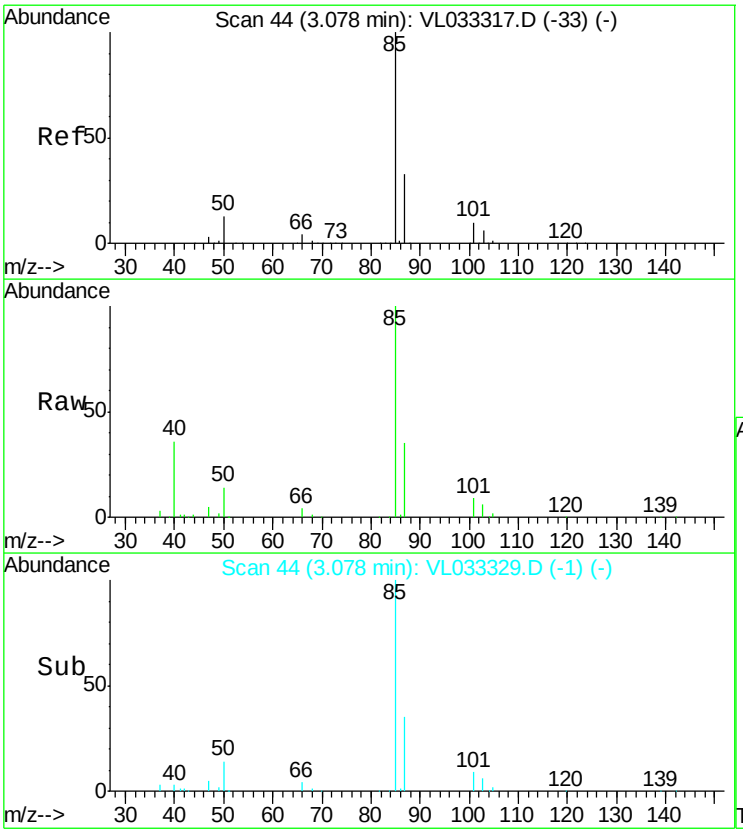
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 867928

Ion	Ratio	Lower	Upper
49	100		
128	48.0	23.5	70.6
130	60.4	30.1	90.3

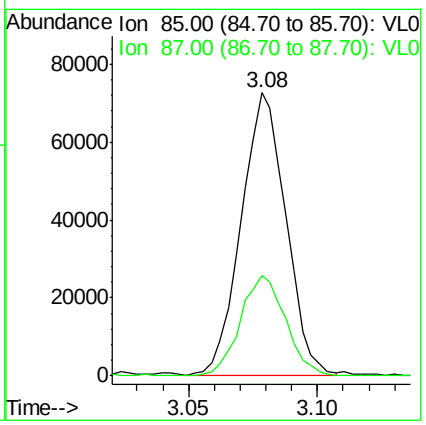


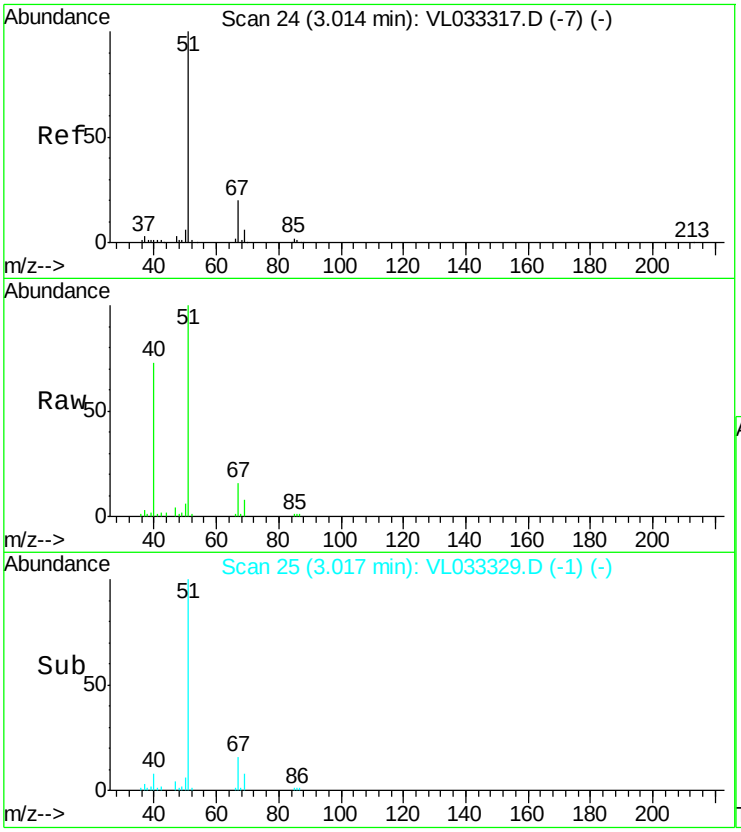


#2
Dichlorodifluoromethane
Concen: 0.555 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 85 Resp: 87221

Ion	Ratio	Lower	Upper
85	100		
87	35.6	26.9	40.3



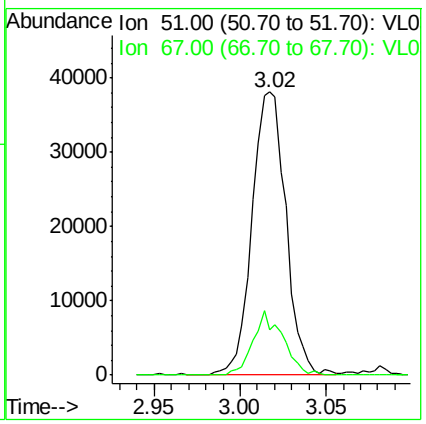


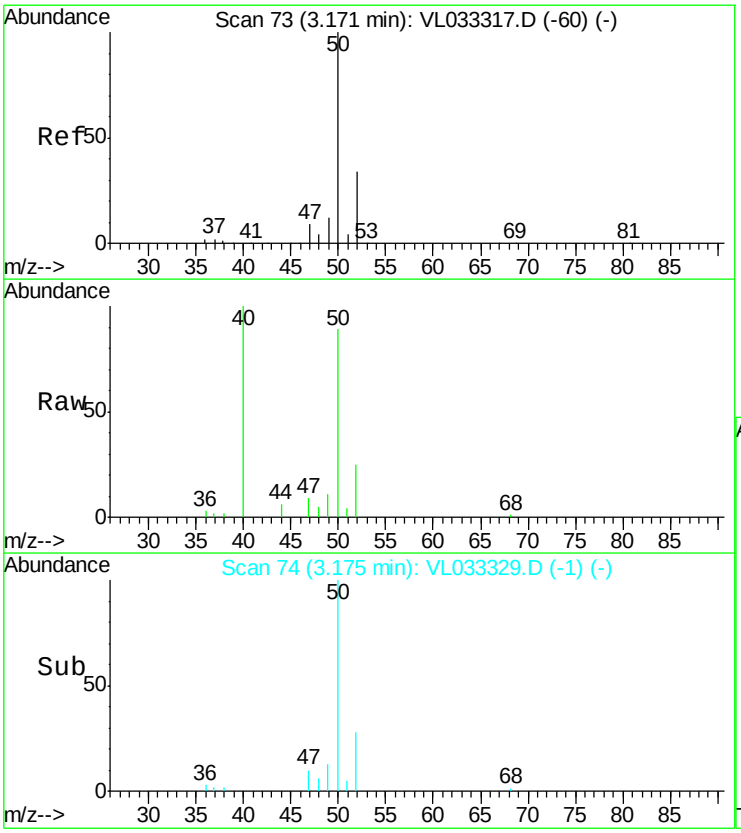
#3
Chlorodifluoromethane
Concen: 0.523 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 51944

Ion	Ratio	Lower	Upper
51	100		
67	20.0	14.9	22.3

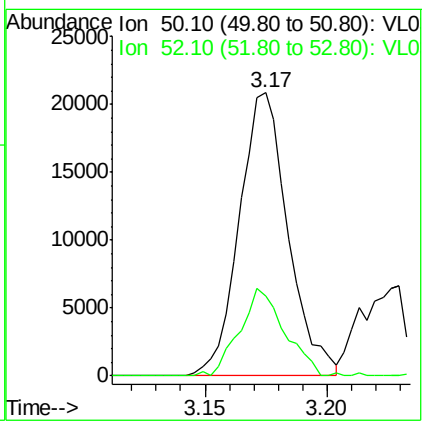


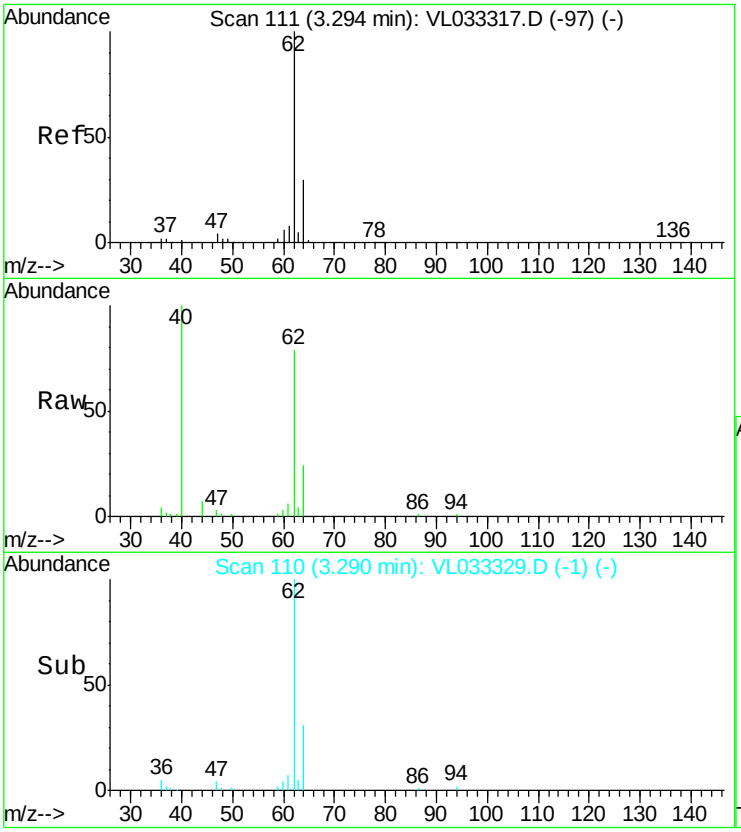


#4
Chloromethane
Concen: 0.533 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 50 Resp: 28788

Ion	Ratio	Lower	Upper
50	100		
52	28.2	25.0	37.6



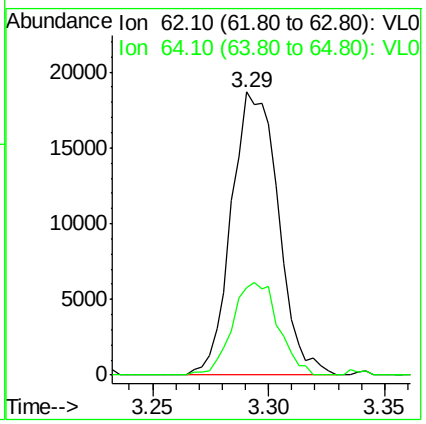


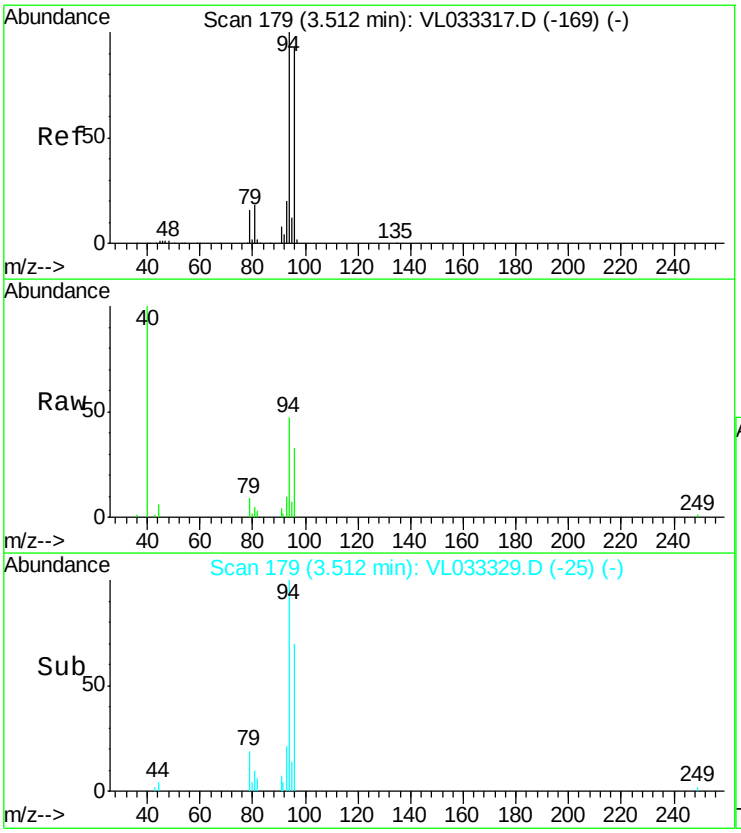
#5
Vinyl Chloride
Concen: 0.480 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 26278

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.0	37.6

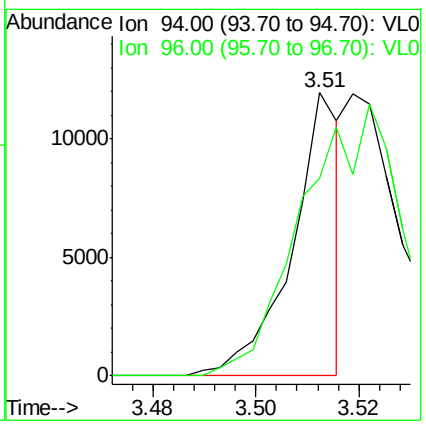


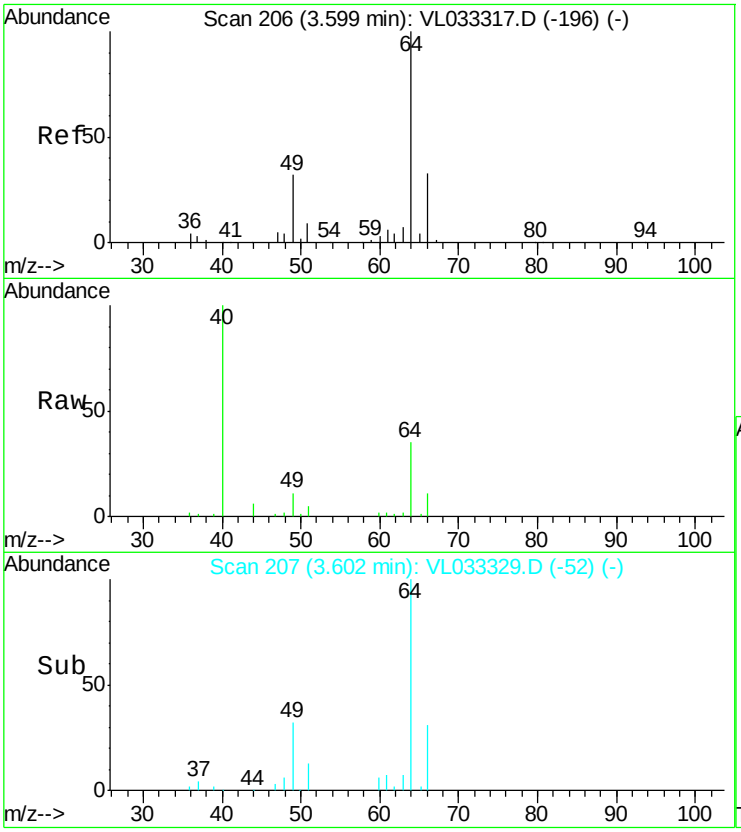


#6
Bromomethane
Concen: 0.233 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 94 Resp: 7727

Ion	Ratio	Lower	Upper
94	100		
96	69.9	74.6	111.8#



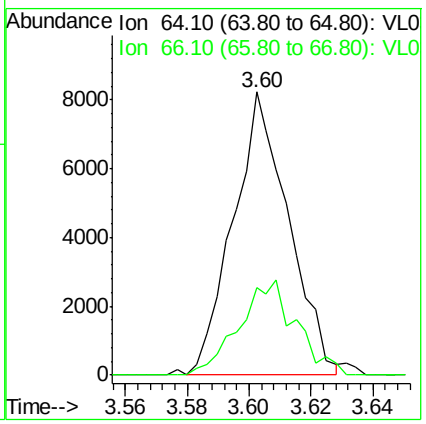


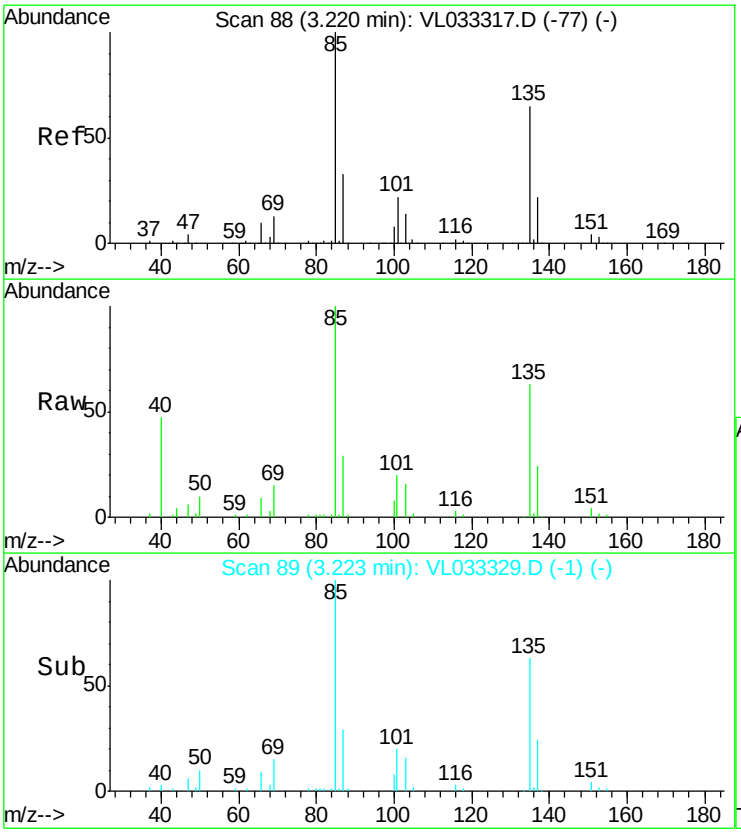
#7
Chloroethane
Concen: 0.522 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 10252

Ion	Ratio	Lower	Upper
64	100		
66	31.1	24.0	36.0

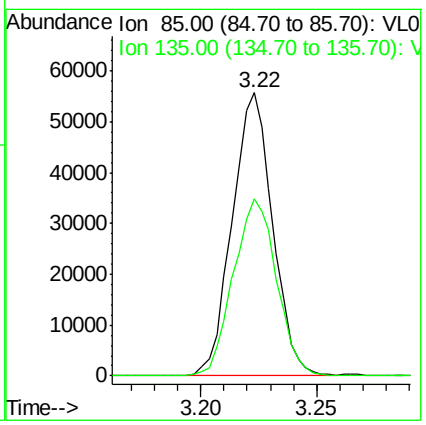


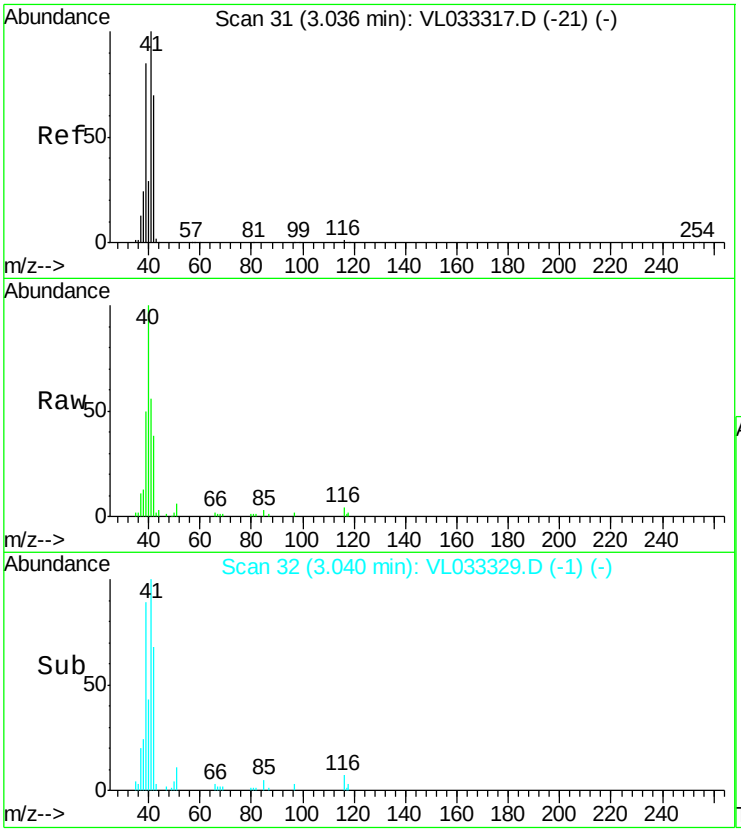


#8
Dichlorotetrafluoroethane
Concen: 0.498 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 85 Resp: 66715

Ion	Ratio	Lower	Upper
85	100		
135	67.4	53.4	80.2



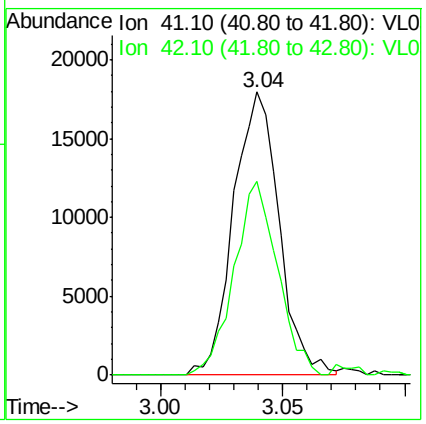


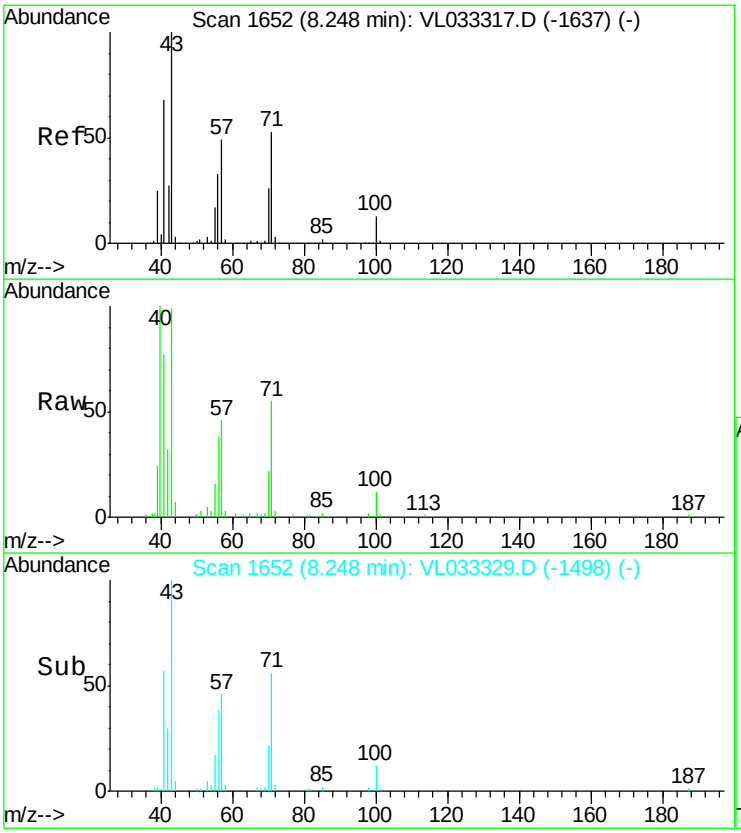
#9
Propene
Concen: 0.522 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 23241

Ion	Ratio	Lower	Upper
41	100		
42	67.6	55.2	82.8

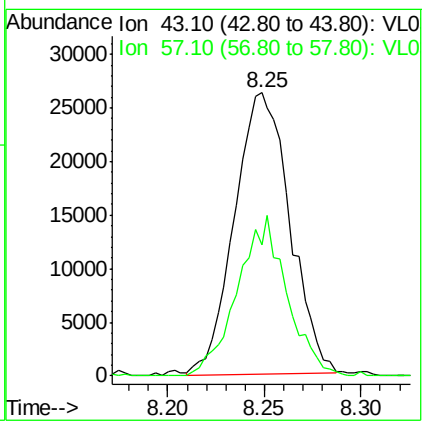


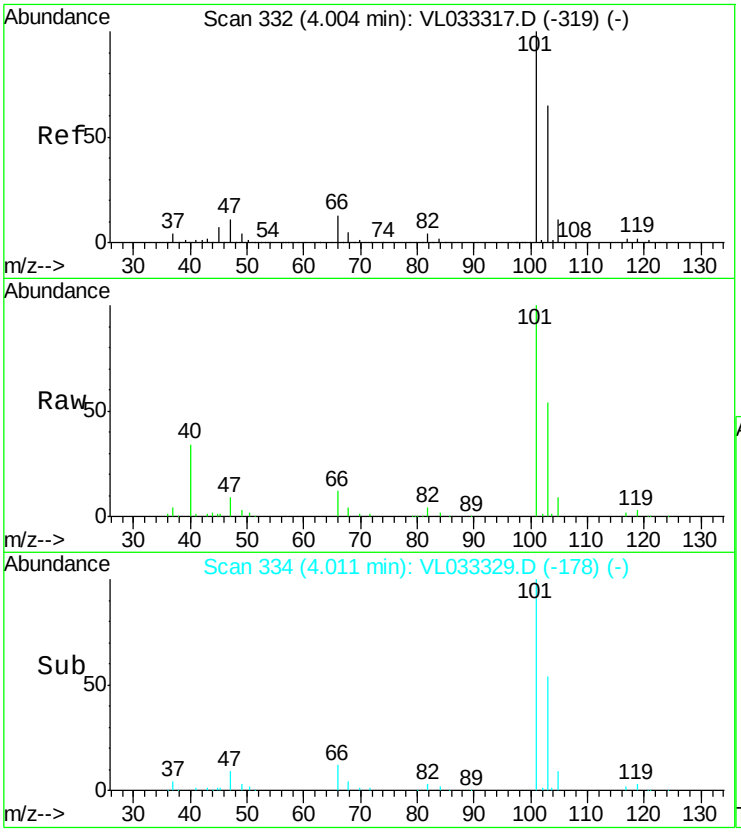


#10
Heptane
Concen: 0.465 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 43 Resp: 52301

Ion	Ratio	Lower	Upper
43	100		
57	50.8	40.4	60.6



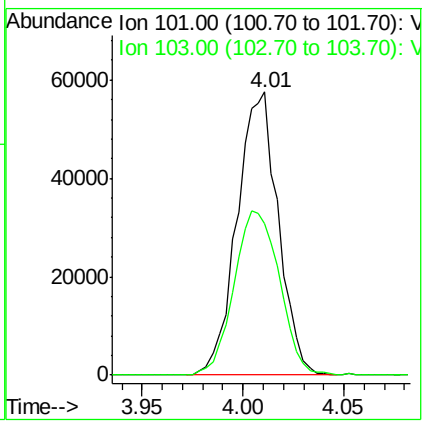


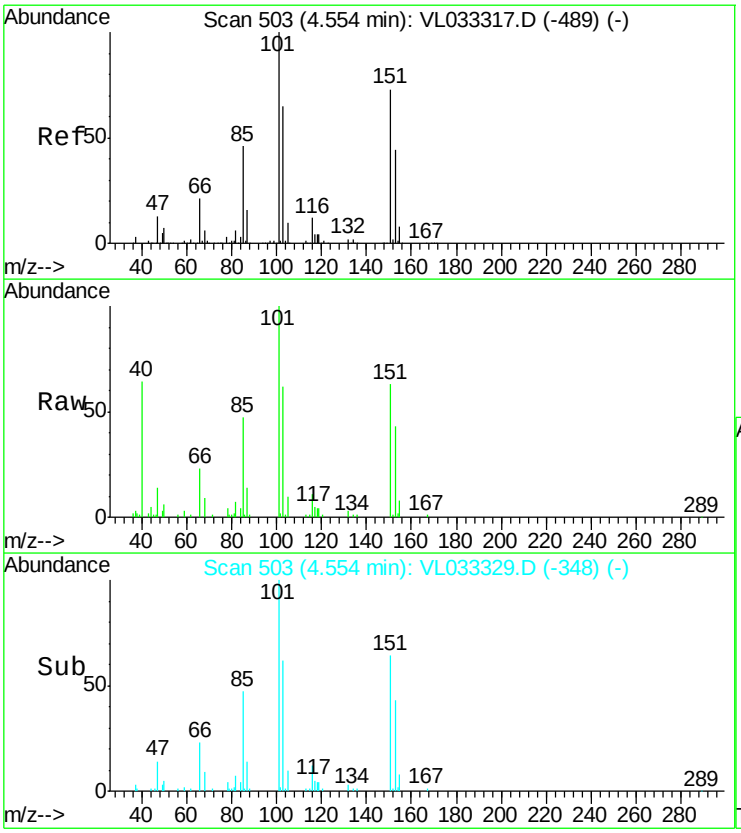
#11
Trichlorofluoromethane
Concen: 0.552 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 82441

Ion	Ratio	Lower	Upper
101	100		
103	54.4	52.9	79.3

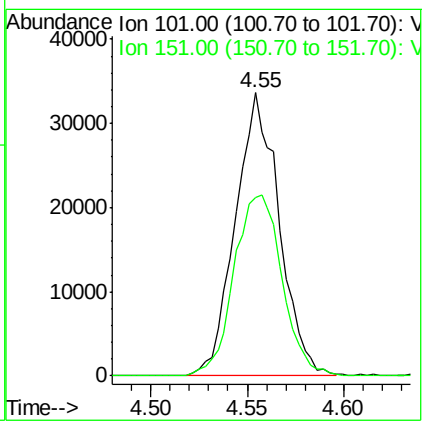


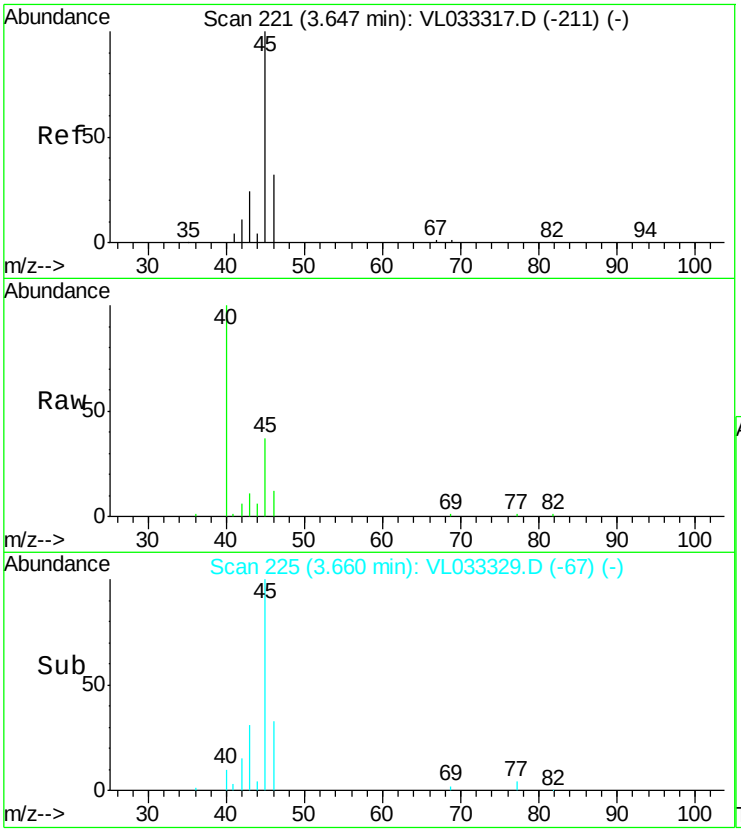


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.542 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:101 Resp: 52967

Ion	Ratio	Lower	Upper
101	100		
151	70.0	56.3	84.5



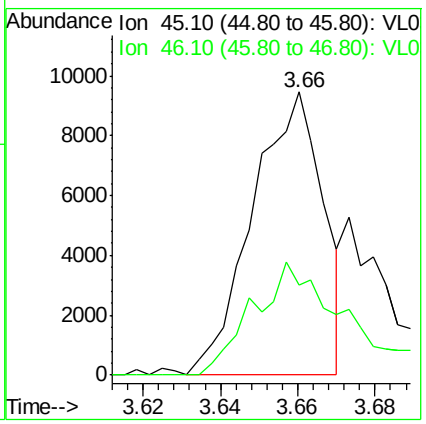


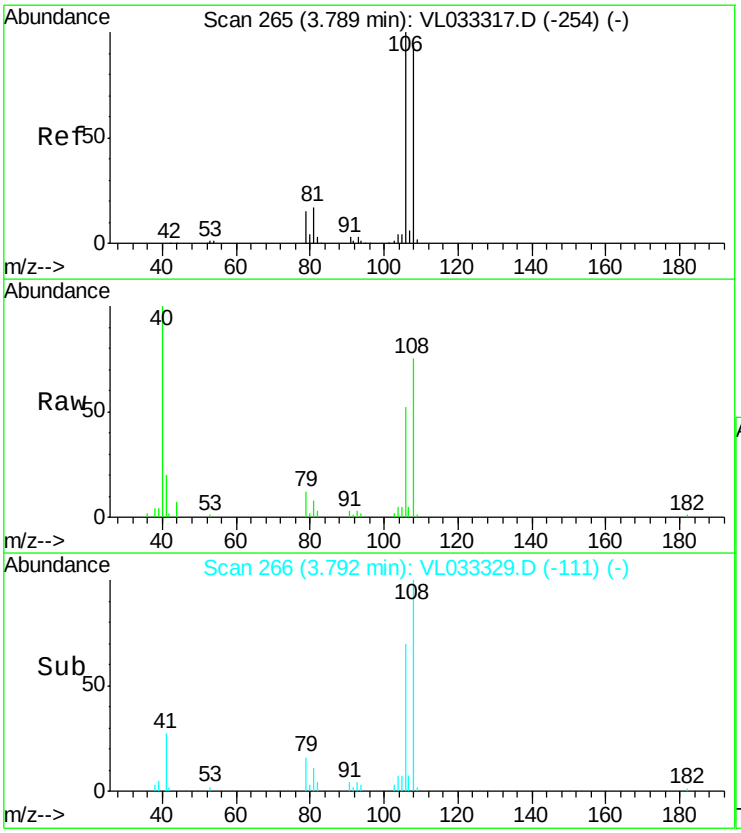
#13
Ethanol
Concen: 0.775 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 11998

Ion	Ratio	Lower	Upper
45	100		
46	55.1	14.9	59.7

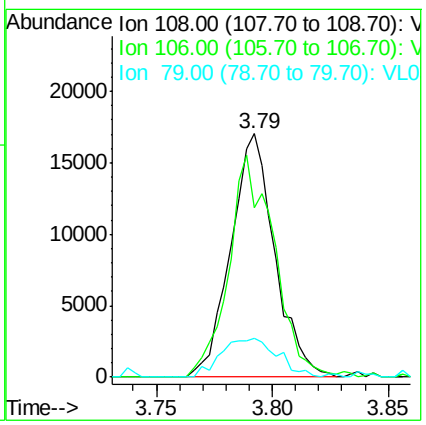


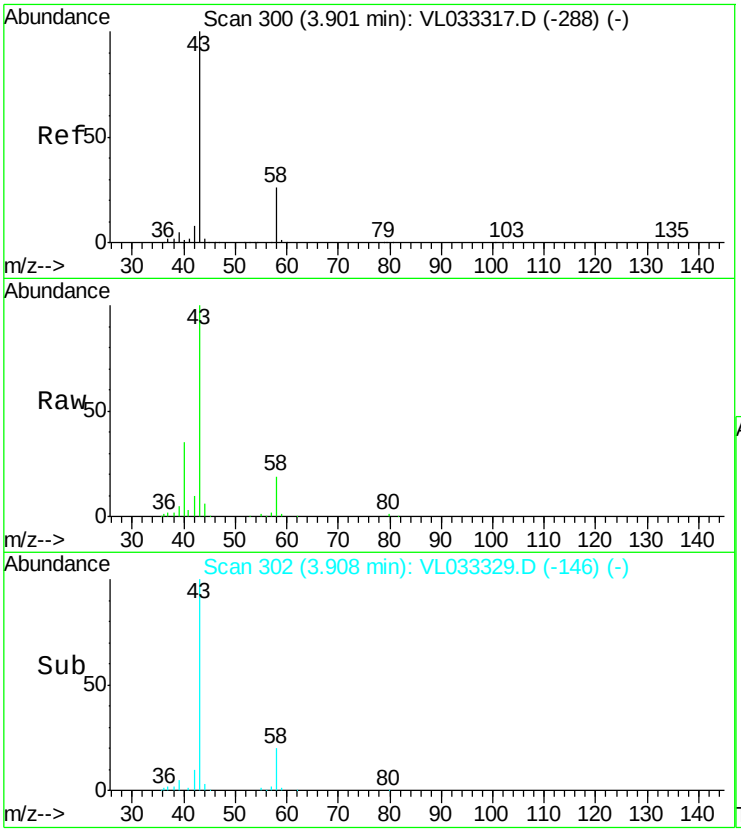


#14
Bromoethene
Concen: 0.543 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:108 Resp: 22443

Ion	Ratio	Lower	Upper
108	100		
106	94.9	86.2	129.2
79	20.8	15.4	23.2



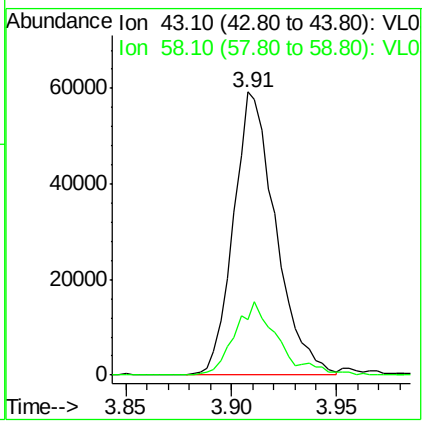


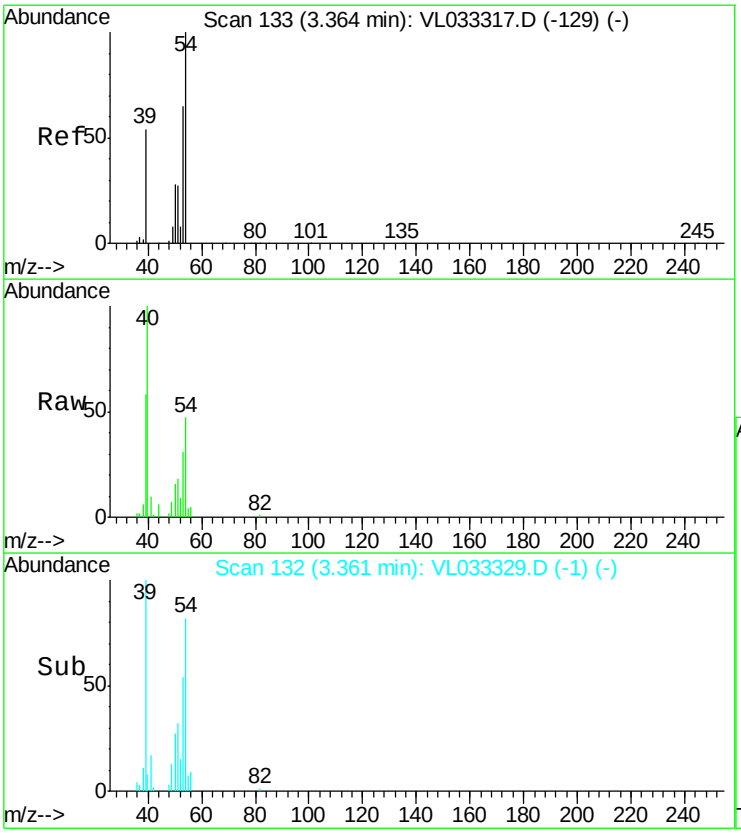
#15
Acetone
Concen: 0.621 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 82580

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.4	30.6

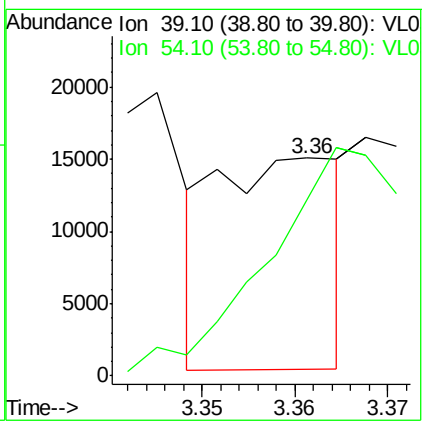


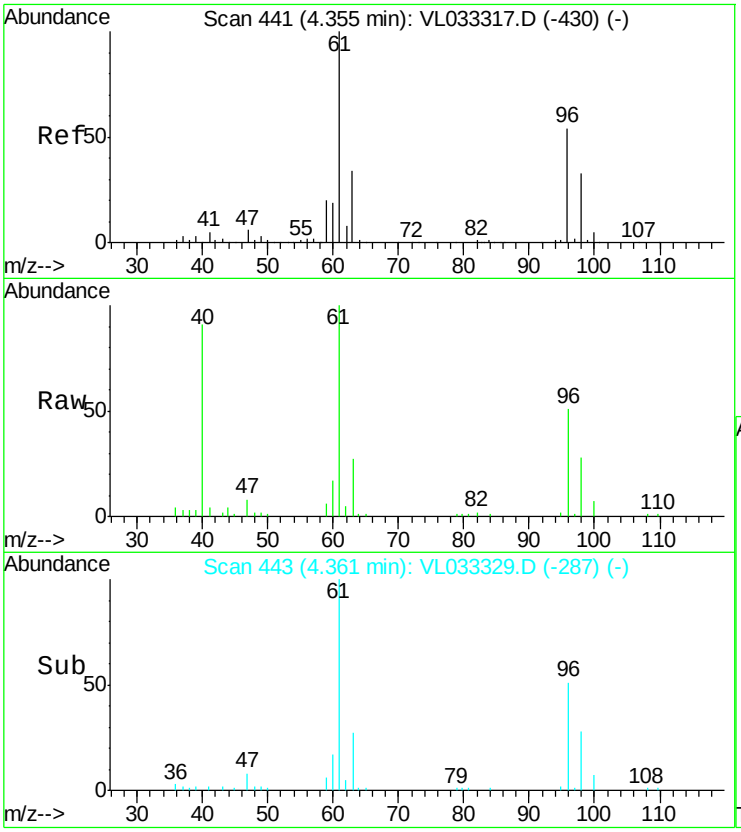


#16
1,3-Butadiene
Concen: 0.288 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 39 Resp: 13457

Ion	Ratio	Lower	Upper
39	100		
54	0.0	76.8	115.2#



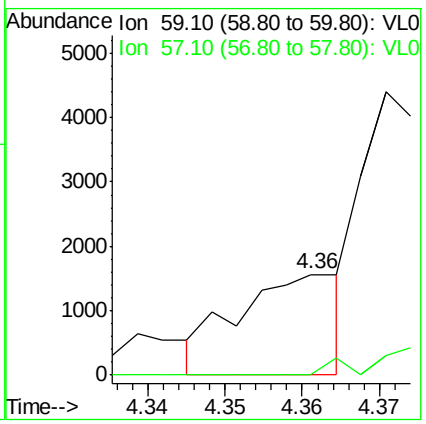


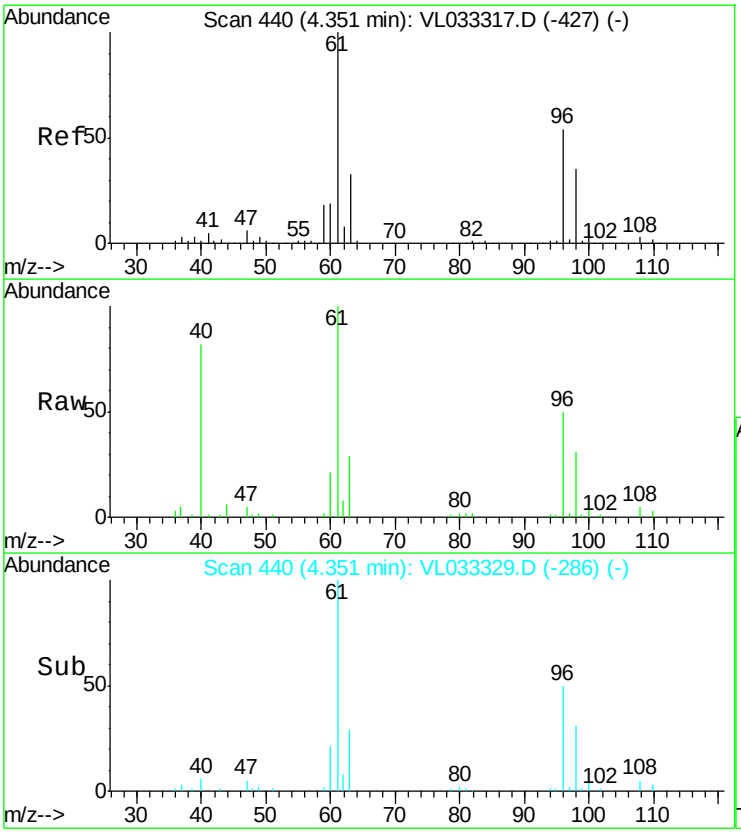
#17
tert-Butyl alcohol
Concen: 0.077 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 59 Resp: 1465

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

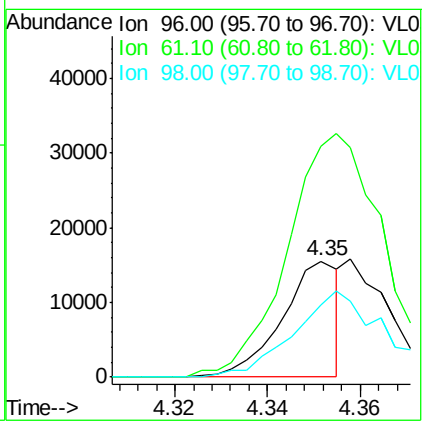


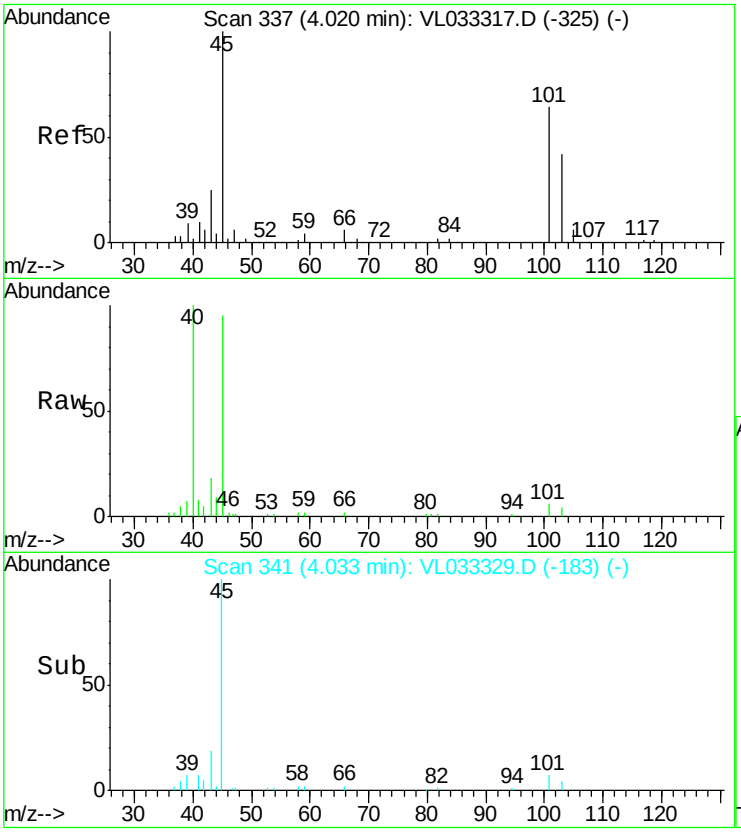


#18
1,1-Dichloroethene
Concen: 0.307 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 96 Resp: 13278

Ion	Ratio	Lower	Upper
96	100		
61	199.1	148.6	222.8
98	62.0	50.3	75.5



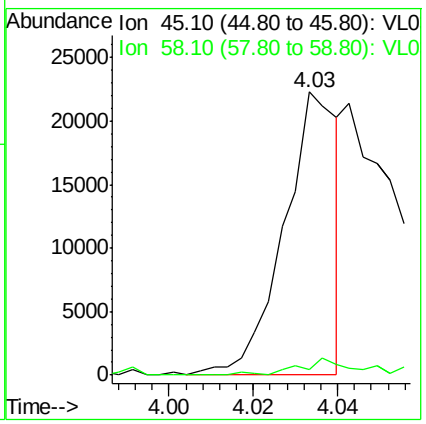


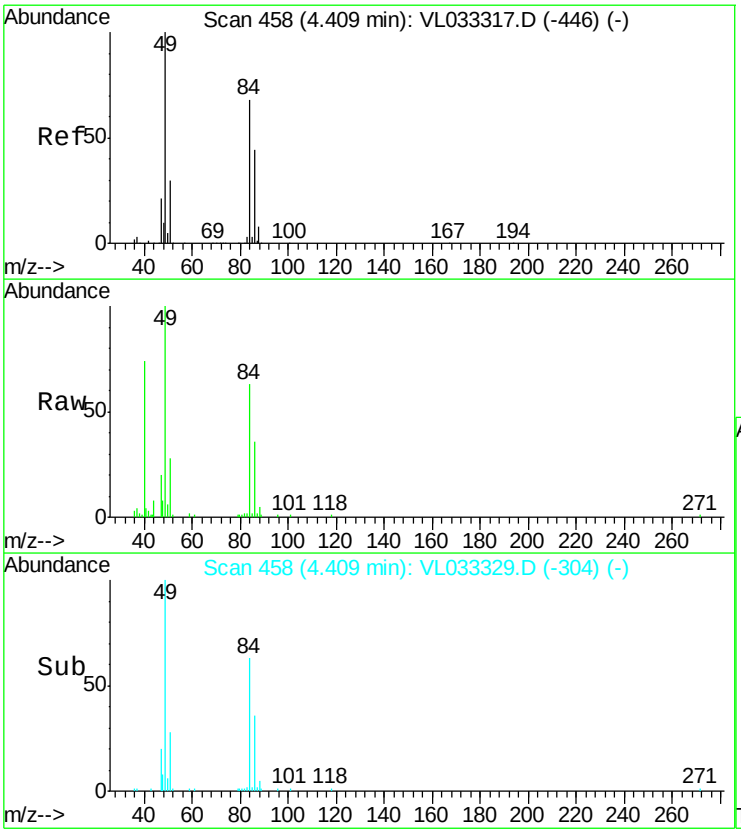
#19
Isopropyl Alcohol
Concen: 0.295 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 19670

Ion	Ratio	Lower	Upper
45	100		
58	8.0	1.5	2.3#

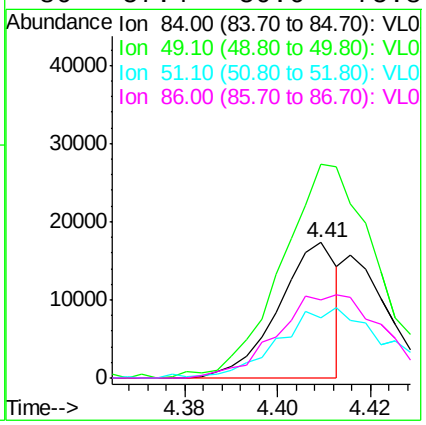


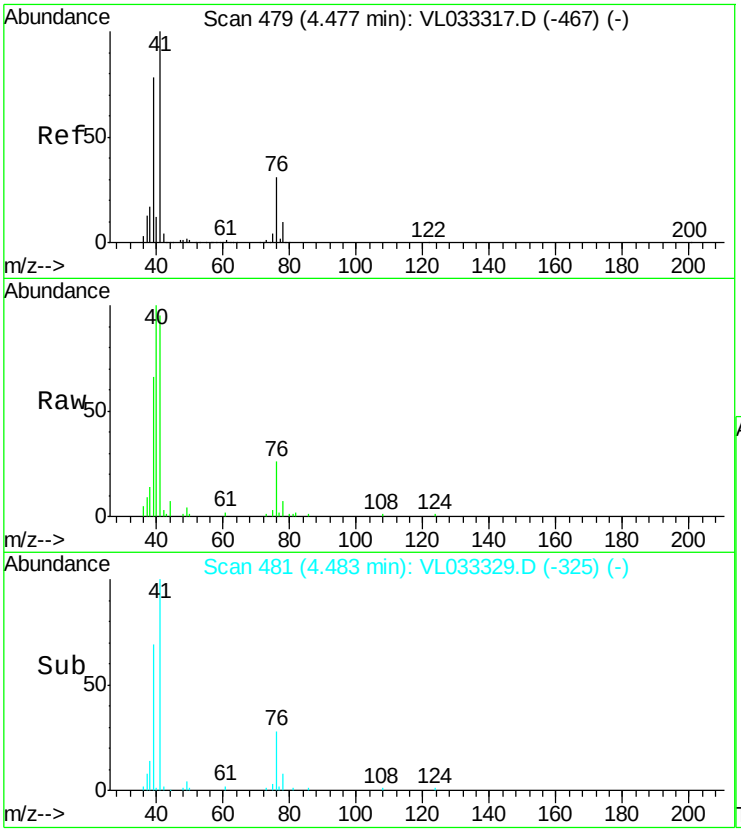


#20
Methylene Chloride
Concen: 0.359 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 84 Resp: 15275

Ion	Ratio	Lower	Upper
84	100		
49	153.1	115.4	173.0
51	43.3	35.8	53.6
86	57.4	50.6	75.8



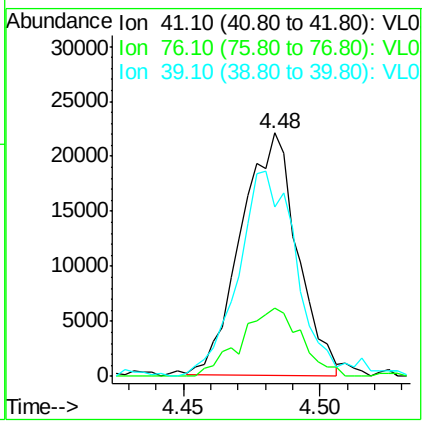


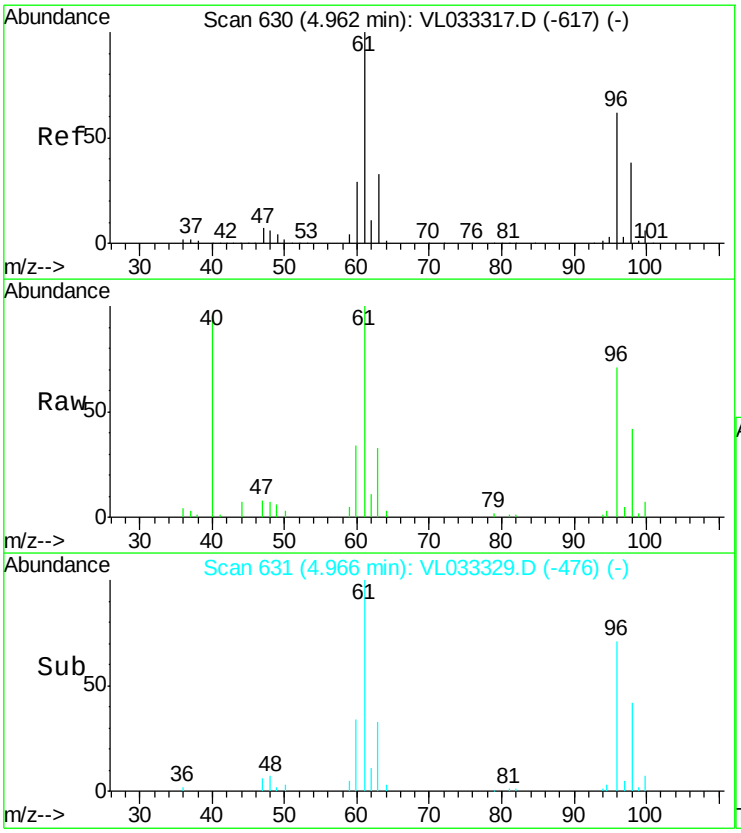
#21
Allyl Chloride
Concen: 0.482 ppbv
RT: 4.48 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 31714

Ion	Ratio	Lower	Upper
41	100		
76	30.0	25.0	37.4
39	90.9	65.9	98.9

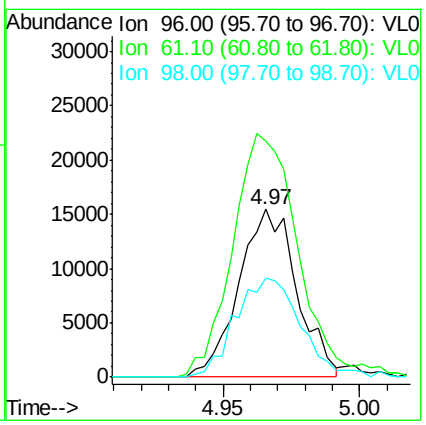


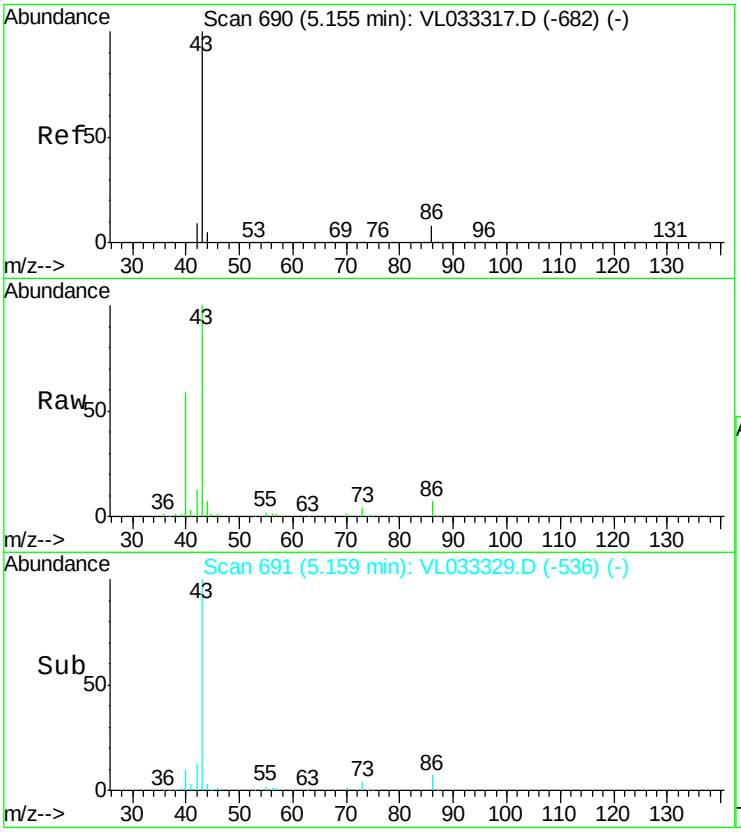


#22
trans-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 96 Resp: 22763

Ion	Ratio	Lower	Upper
96	100		
61	139.5	130.0	195.0
98	59.2	50.0	75.0



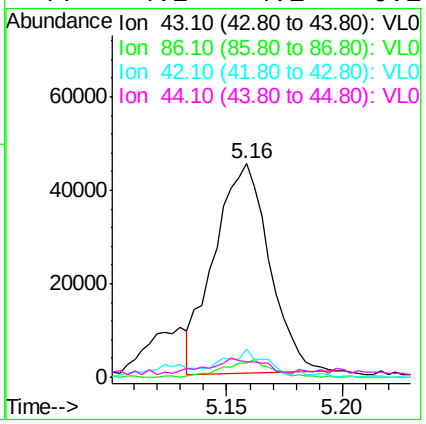


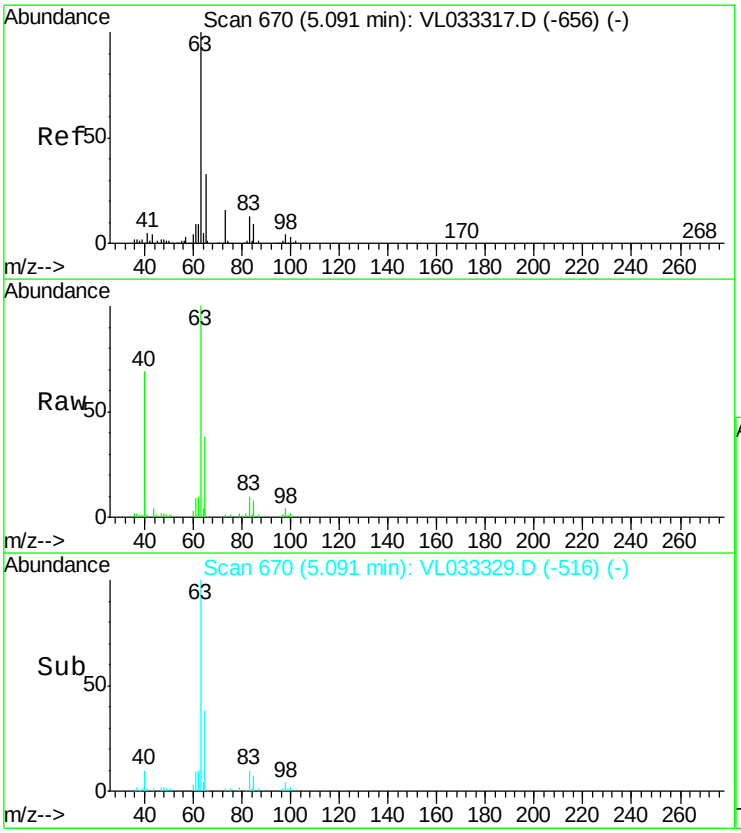
#23
Vinyl Acetate
Concen: 0.477 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 74100

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.2	9.2
42	13.8	8.1	12.1#
44	4.2	4.1	6.1

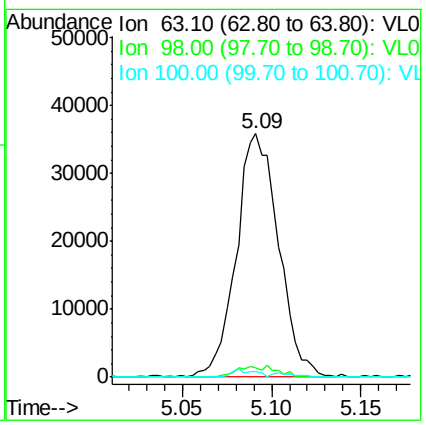


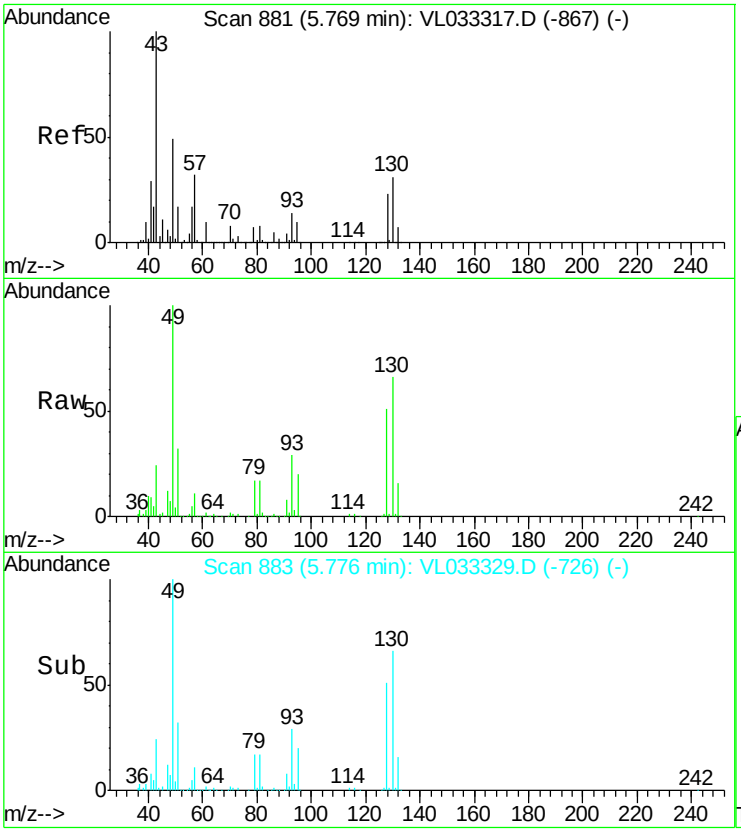


#24
1,1-Dichloroethane
Concen: 0.537 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 63 Resp: 59339

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.4	7.1
100	2.2	1.3	3.8



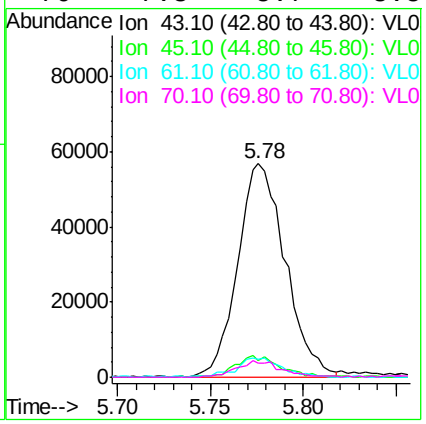


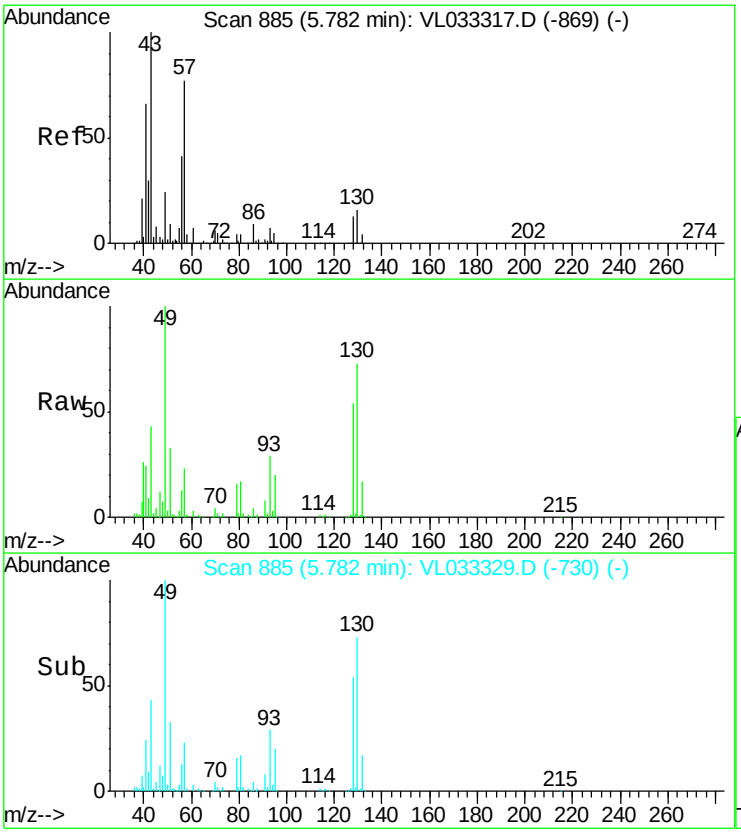
#25
Ethyl Acetate
Concen: 0.527 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 101381

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	8.8	7.4	11.2
70	7.3	5.7	8.5

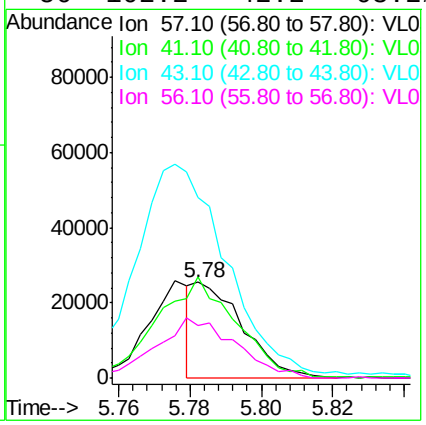


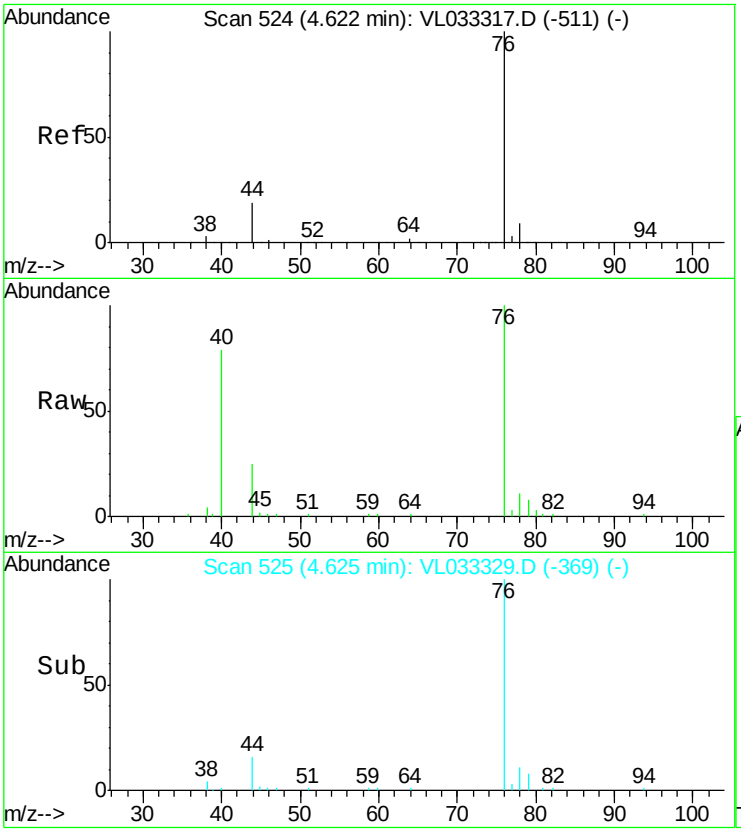


#26
Hexane
Concen: 0.275 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 57 Resp: 24176

Ion	Ratio	Lower	Upper
57	100		
41	176.5	70.5	105.7#
43	0.0	181.8	272.8#
56	102.2	42.2	63.2#



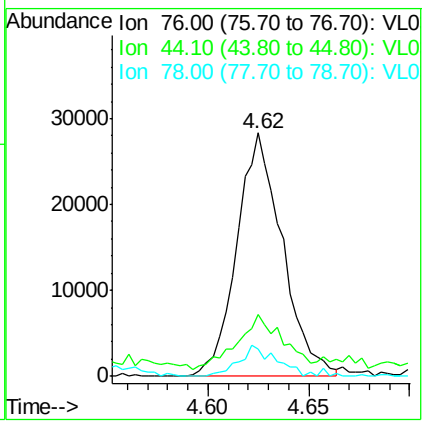


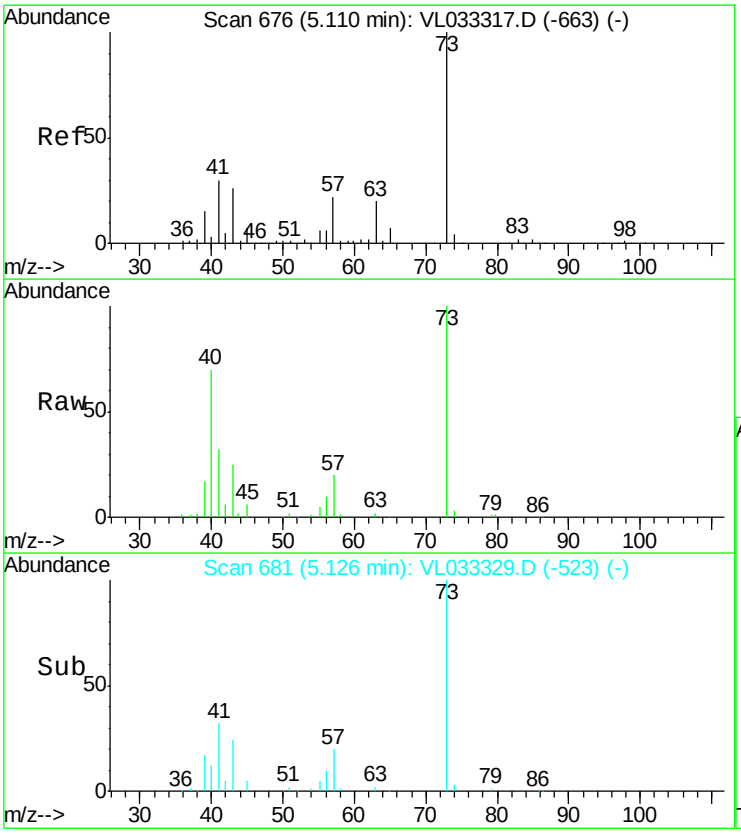
#27
Carbon Disulfide
Concen: 0.452 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 44901

Ion	Ratio	Lower	Upper
76	100		
44	24.2	15.2	22.8#
78	10.9	7.2	10.8#

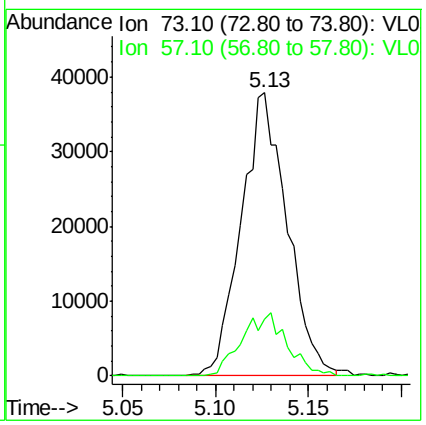


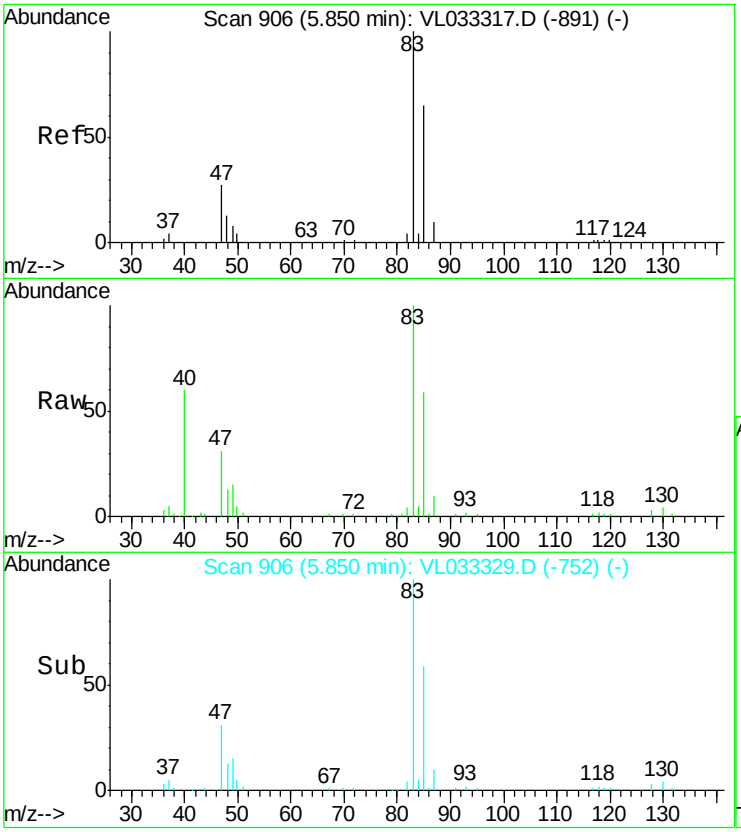


#28
Methyl tert-Butyl Ether
Concen: 0.516 ppbv
RT: 5.13 min Scan# 681
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 73 Resp: 65366

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.0



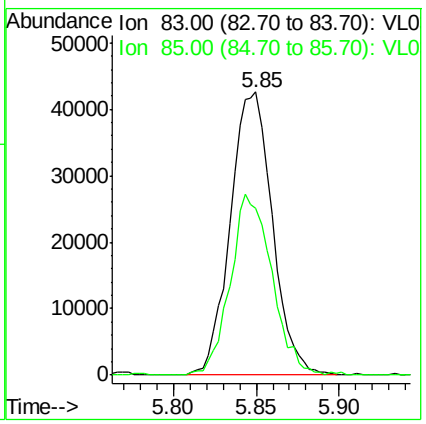


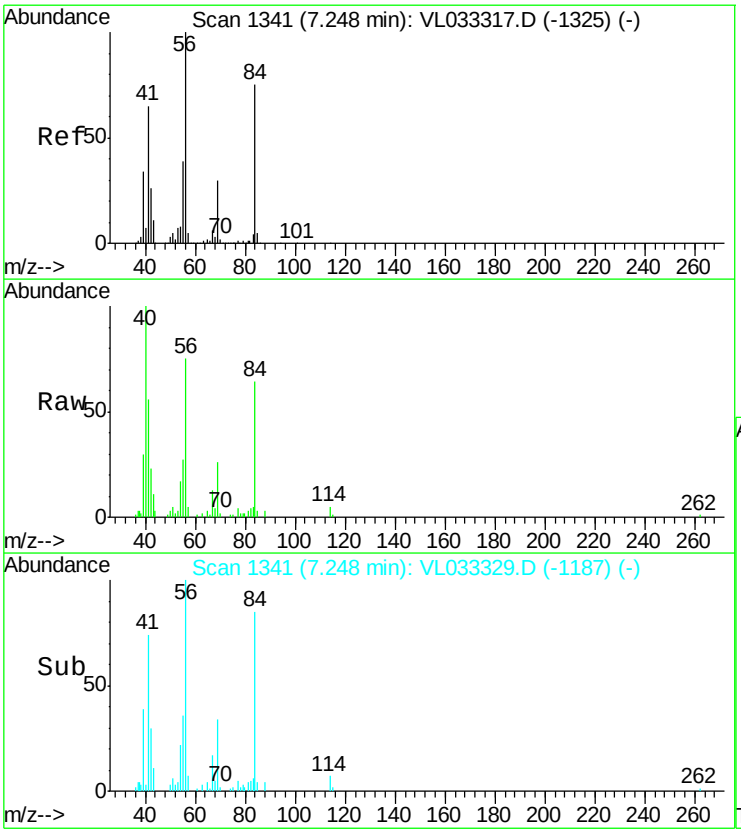
#29
Chloroform
Concen: 0.525 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 75230

Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.0	78.0

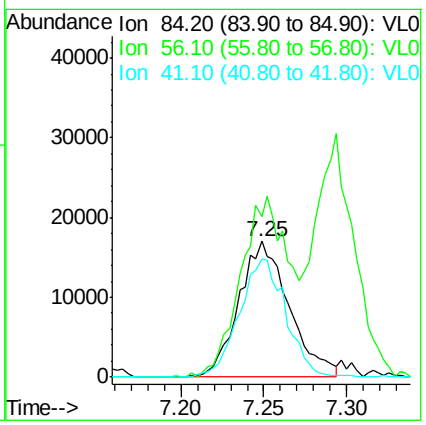


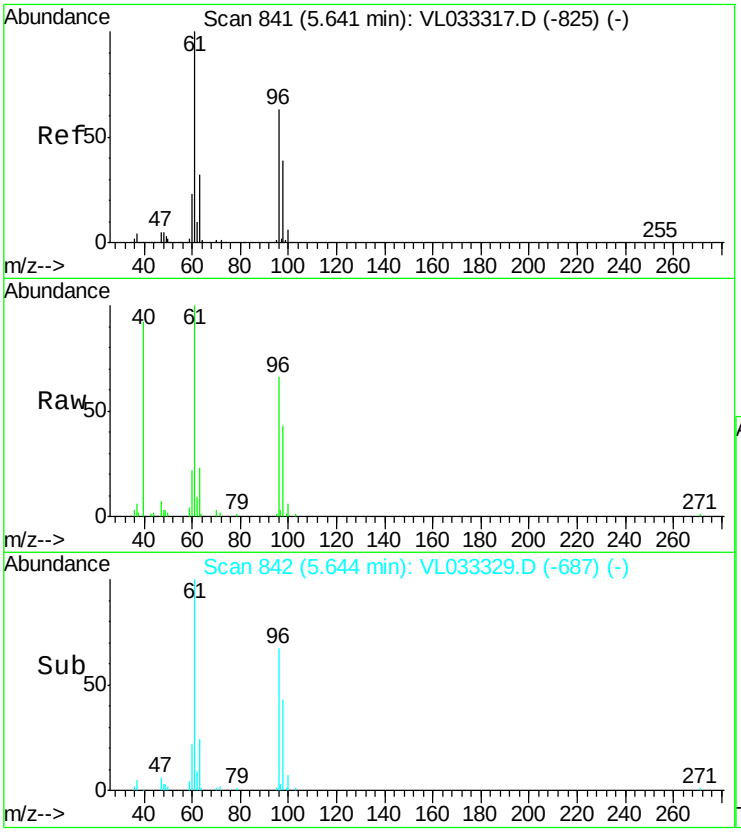


#30
Cyclohexane
Concen: 0.515 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 84 Resp: 35916

Ion	Ratio	Lower	Upper
84	100		
56	118.9	111.3	166.9
41	80.9	69.6	104.4



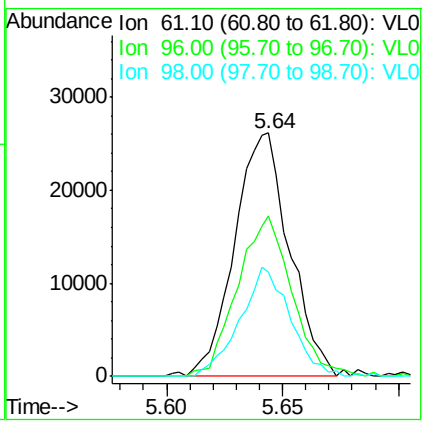


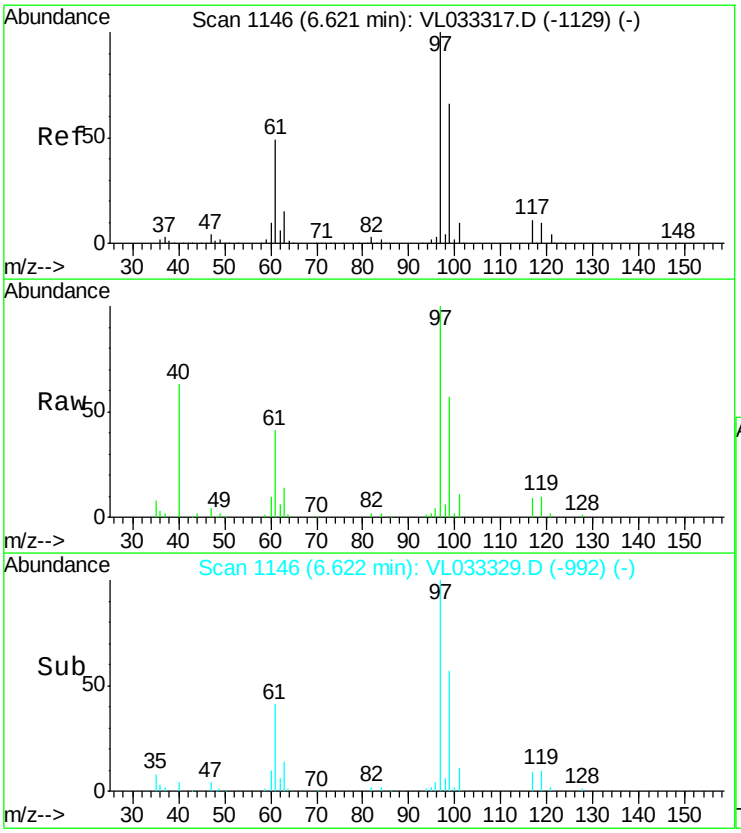
#31
cis-1,2-Dichloroethene
Concen: 0.493 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 43032

Ion	Ratio	Lower	Upper
61	100		
96	66.0	50.3	75.5
98	42.7	31.5	47.3

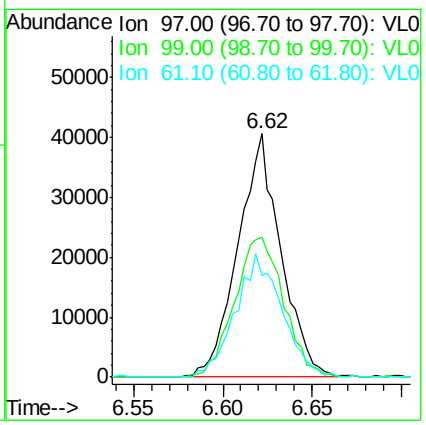


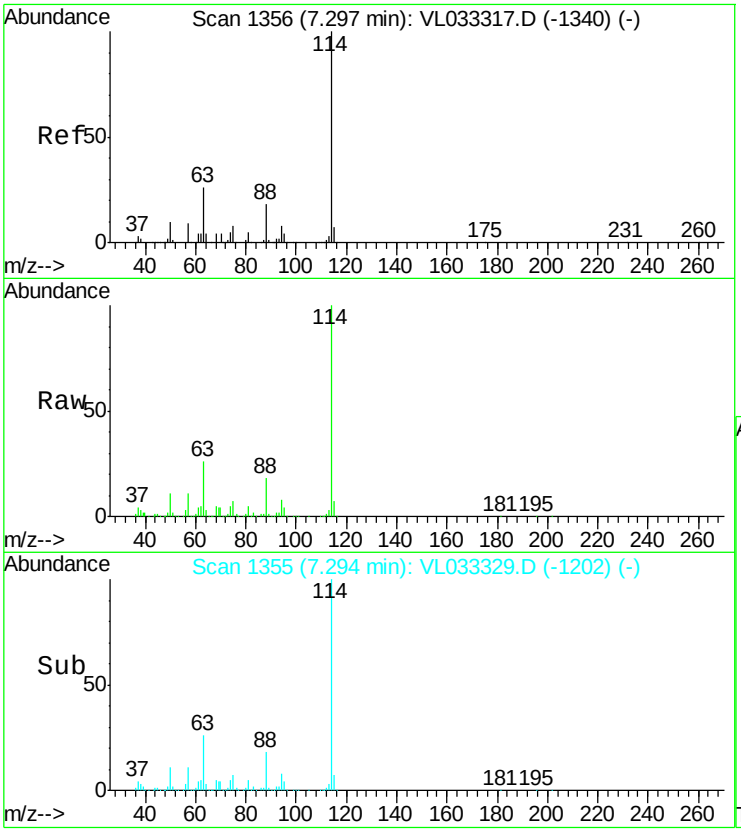


#32
1,1,1-Trichloroethane
Concen: 0.474 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 97 Resp: 67444

Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.0	76.6
61	55.3	39.3	58.9



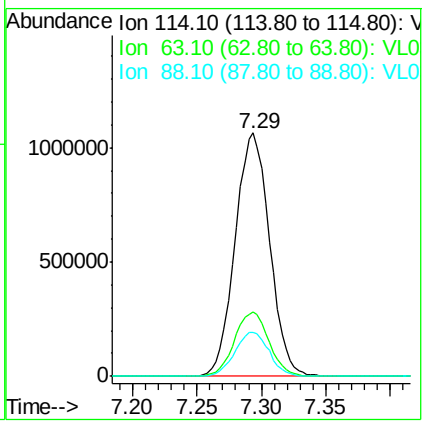


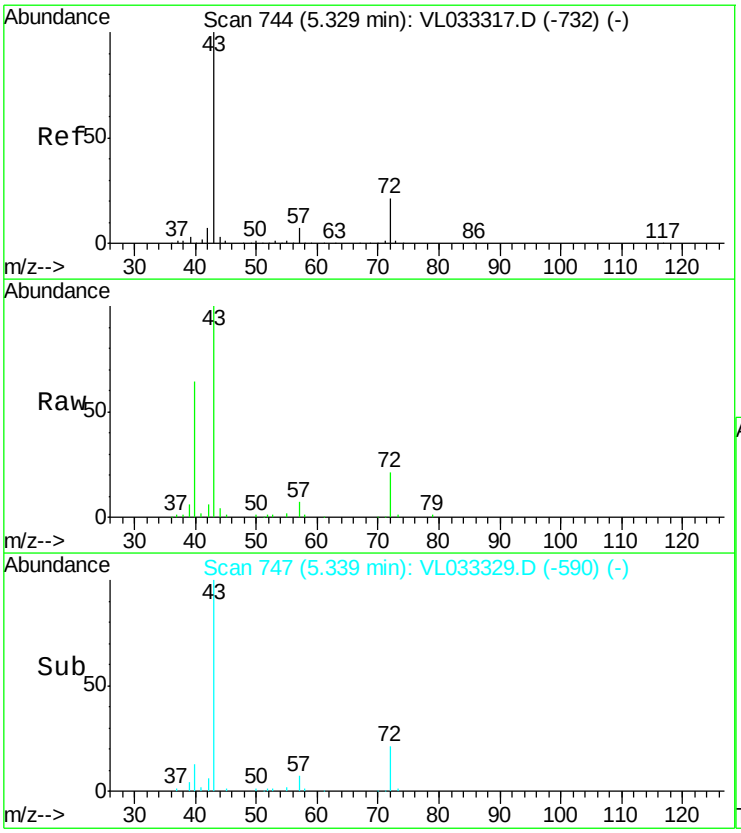
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 1984645

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	18.0	14.5	21.7

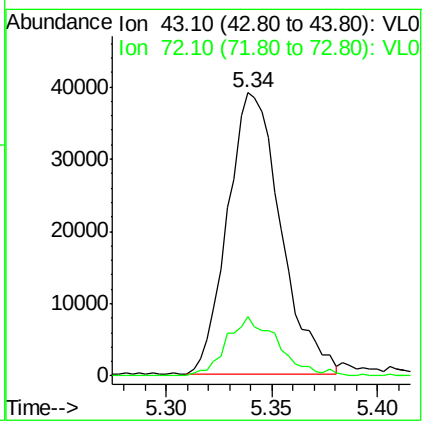


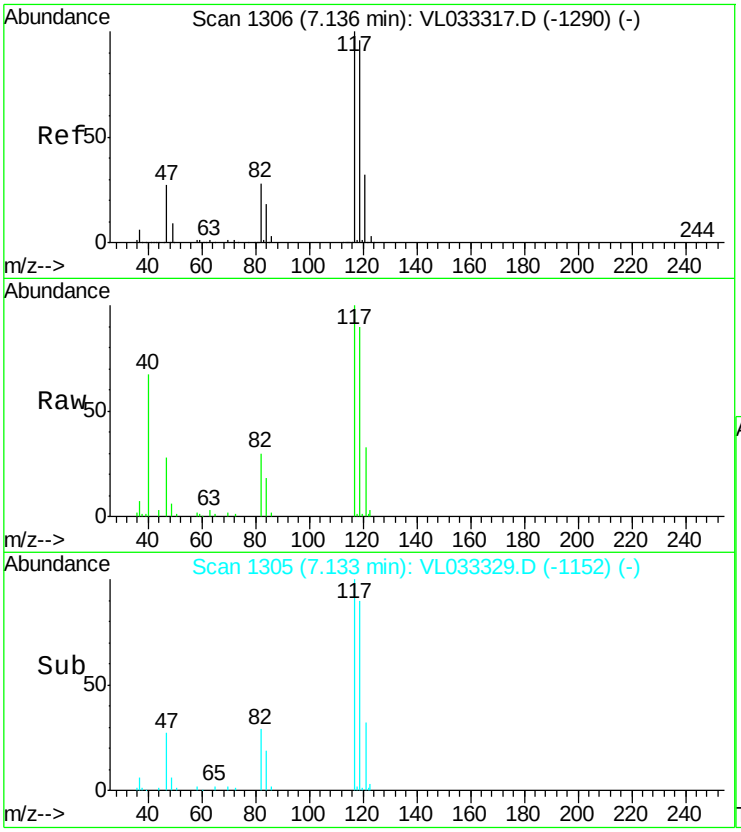


#34
2-Butanone
Concen: 0.542 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 43 Resp: 68196

Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.7	26.5



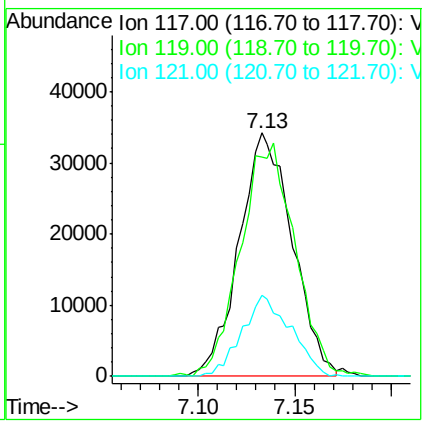


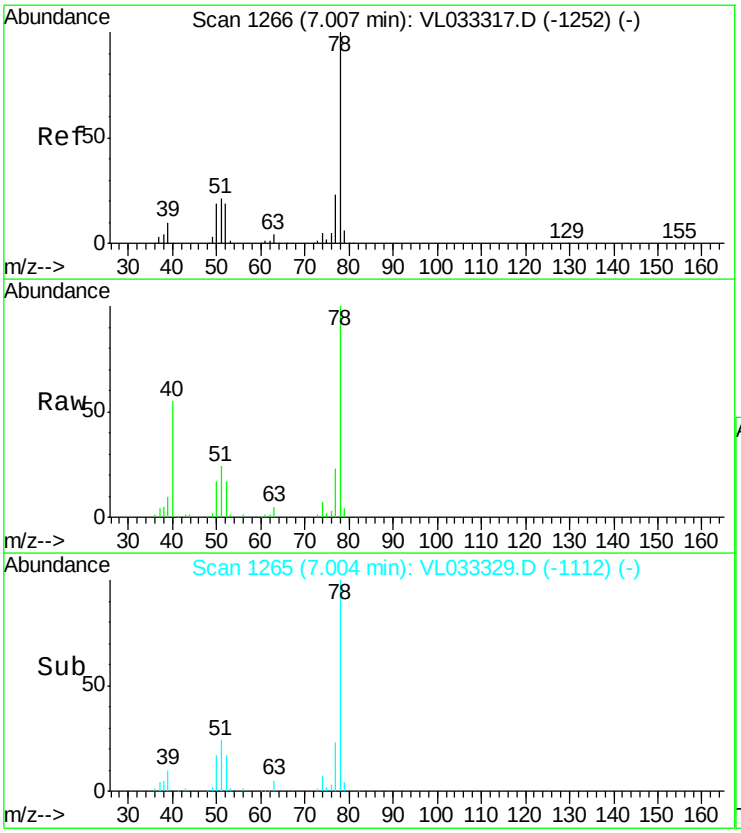
#35
Carbon Tetrachloride
Concen: 0.457 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 65470

Ion	Ratio	Lower	Upper
117	100		
119	88.9	77.4	116.0
121	33.1	24.9	37.3

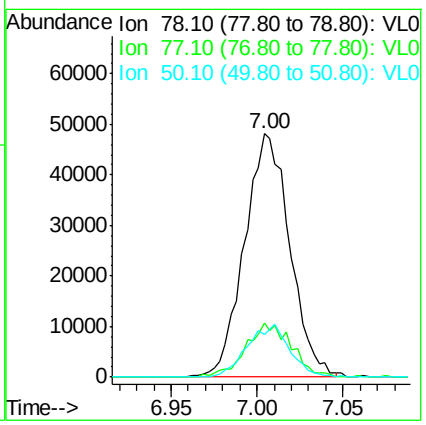


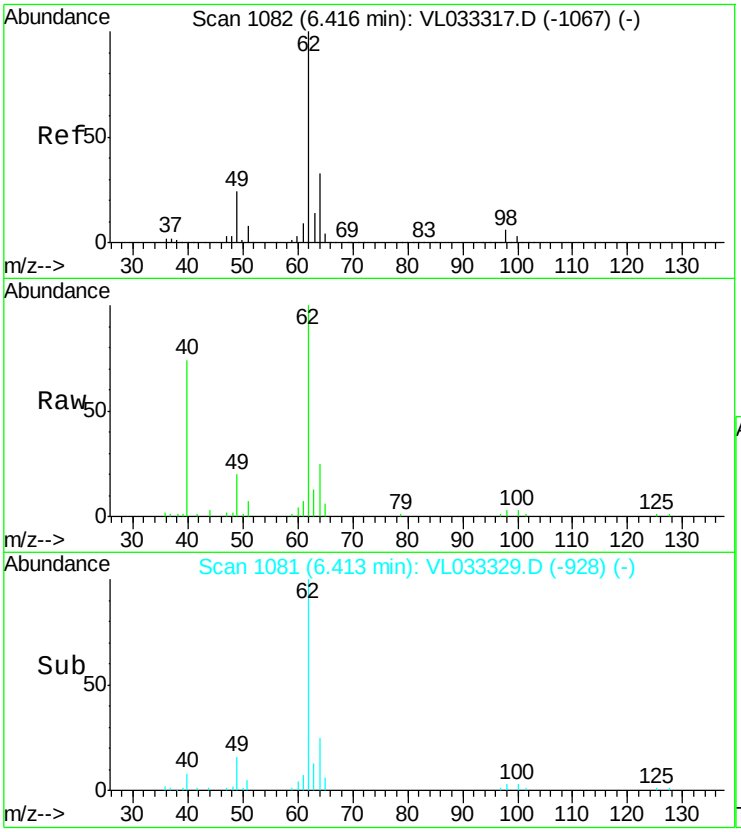


#36
Benzene
Concen: 0.495 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 78 Resp: 87798

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	17.4	15.2	22.8



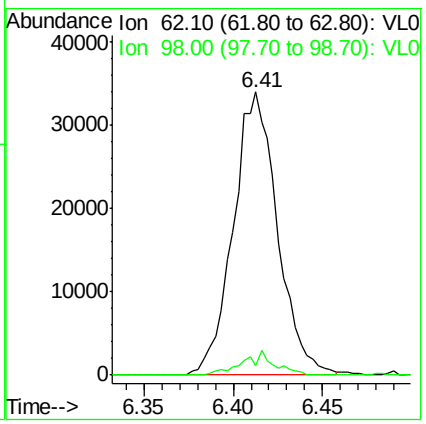


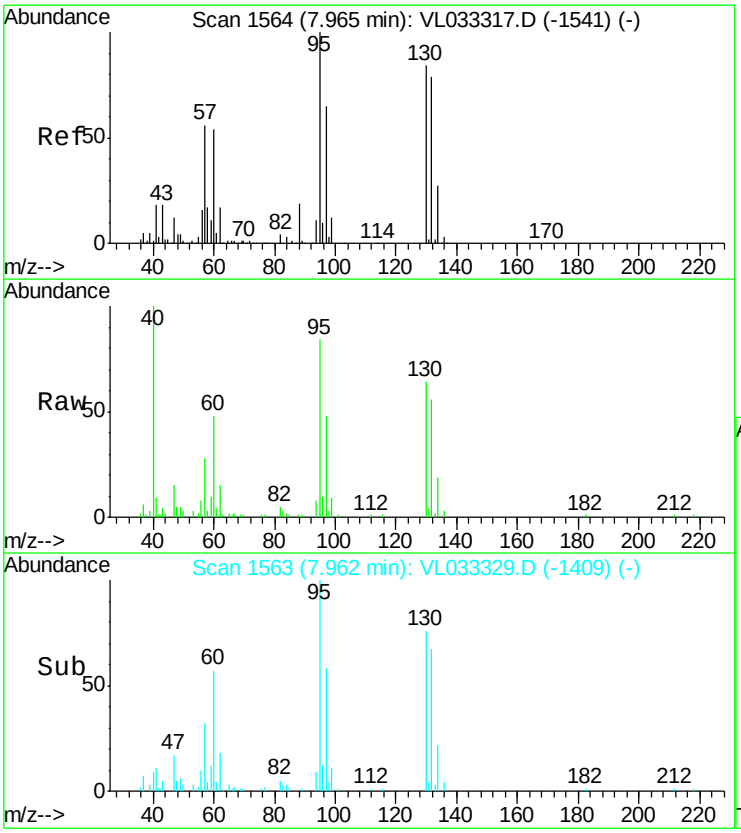
#37
1,2-Dichloroethane
Concen: 0.532 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 58806

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.5	6.7

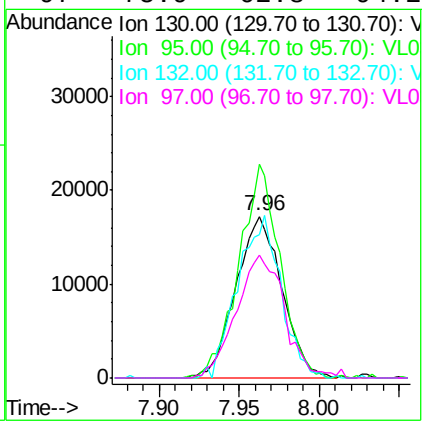


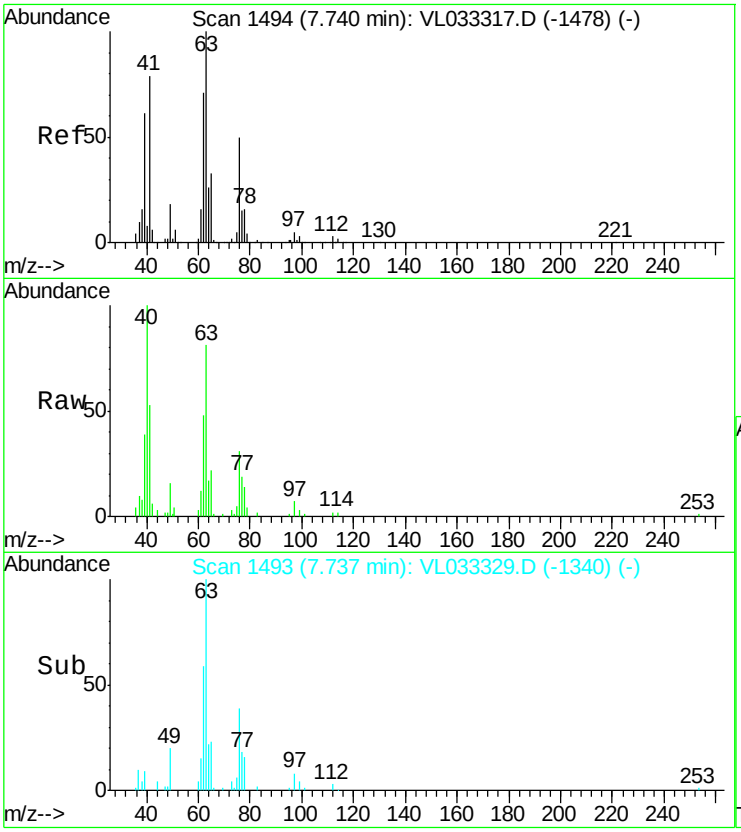


#38
Trichloroethene
Concen: 0.487 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:130 Resp: 33988

Ion	Ratio	Lower	Upper
130	100		
95	131.0	95.2	142.8
132	88.4	77.7	116.5
97	75.9	62.8	94.2



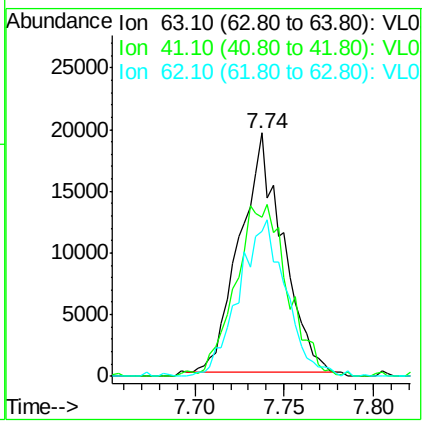


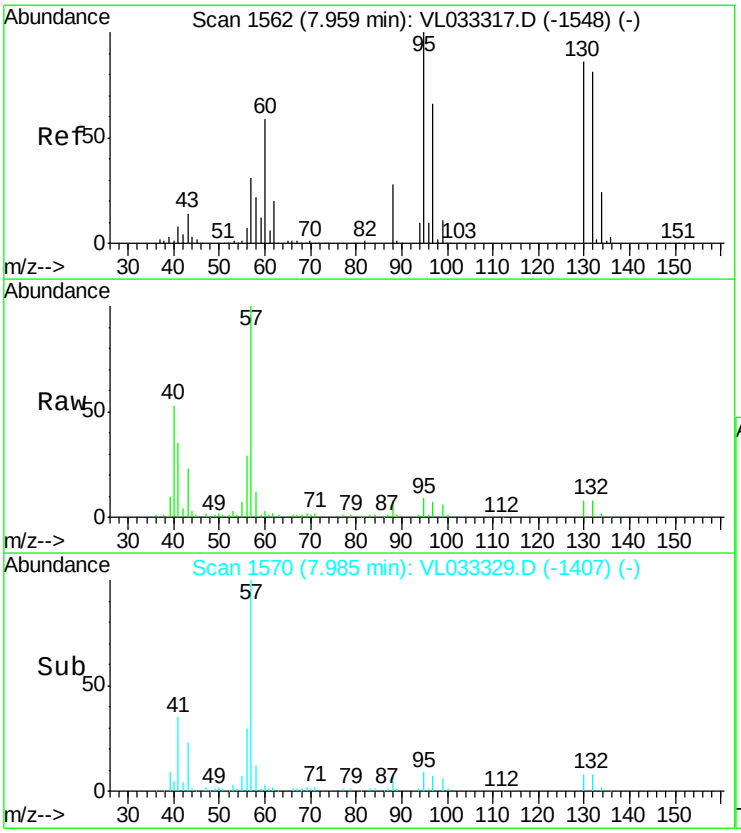
#39
1,2-Dichloropropane
Concen: 0.485 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 32750

Ion	Ratio	Lower	Upper
63	100		
41	65.7	59.5	89.3
62	60.8	54.7	82.1

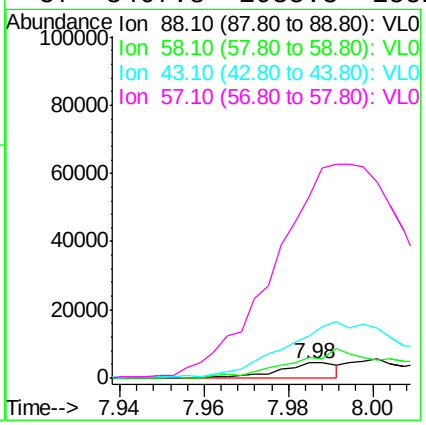


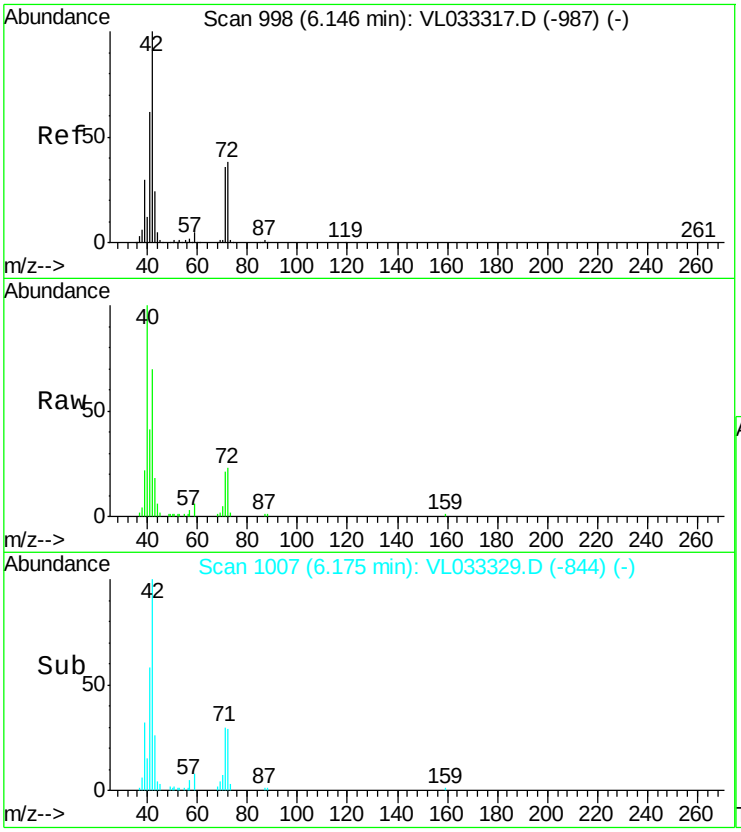


#40
1,4-Dioxane
Concen: 0.170 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. 0.03 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 88 Resp: 4214

Ion	Ratio	Lower	Upper
88	100		
58	424.5	107.9	161.9#
43	851.7	230.8	346.2#
57	3467.8	1035.3	1552.9#



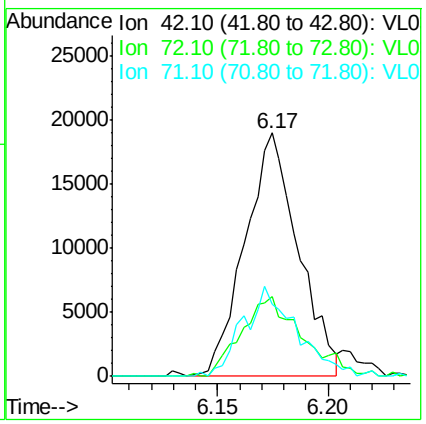


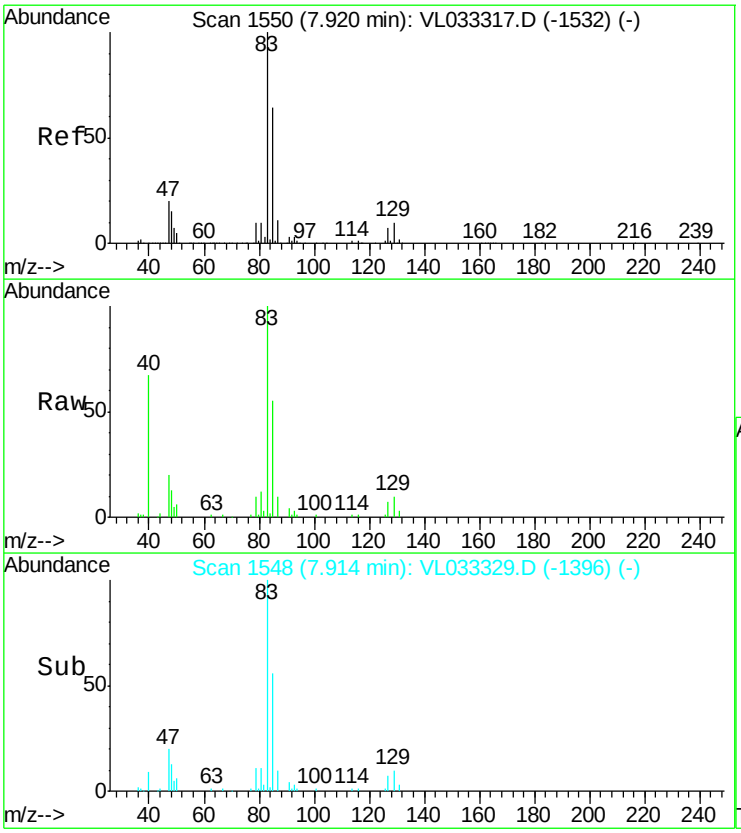
#41
Tetrahydrofuran
Concen: 0.456 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 31822

Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.6	47.4
71	37.0	29.9	44.9

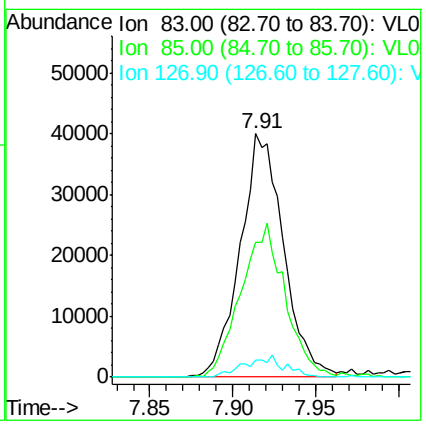


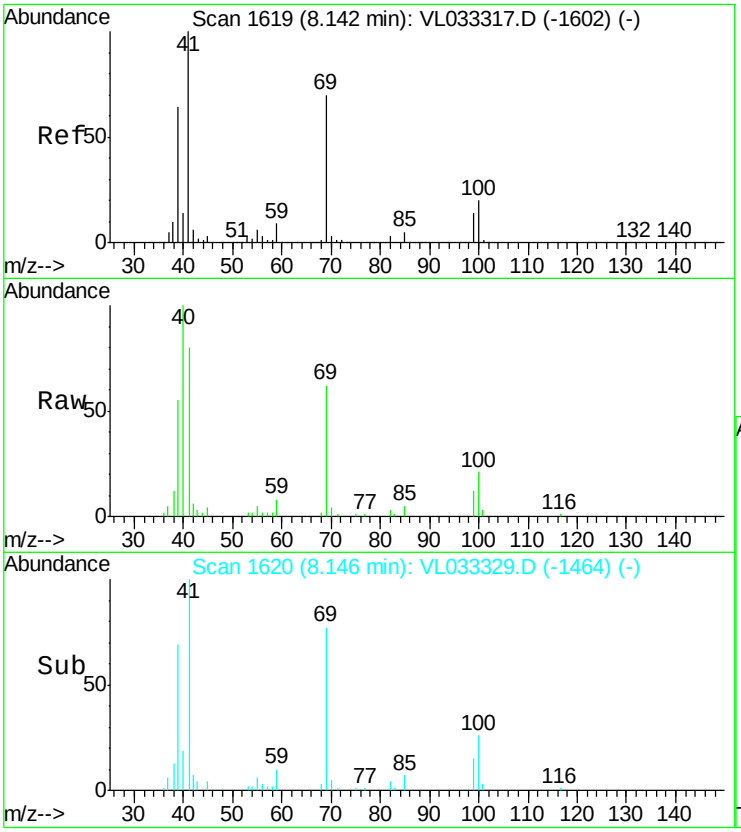


#42
Bromodichloromethane
Concen: 0.484 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 83 Resp: 72984

Ion	Ratio	Lower	Upper
83	100		
85	54.9	51.8	77.6
127	6.8	6.2	9.2



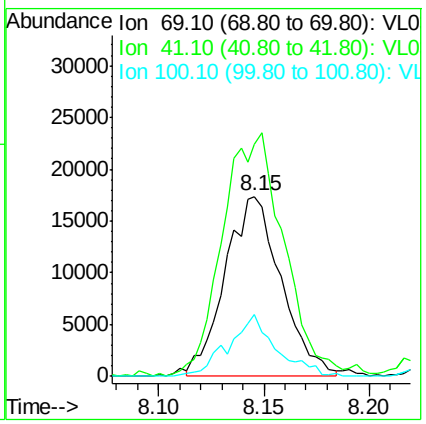


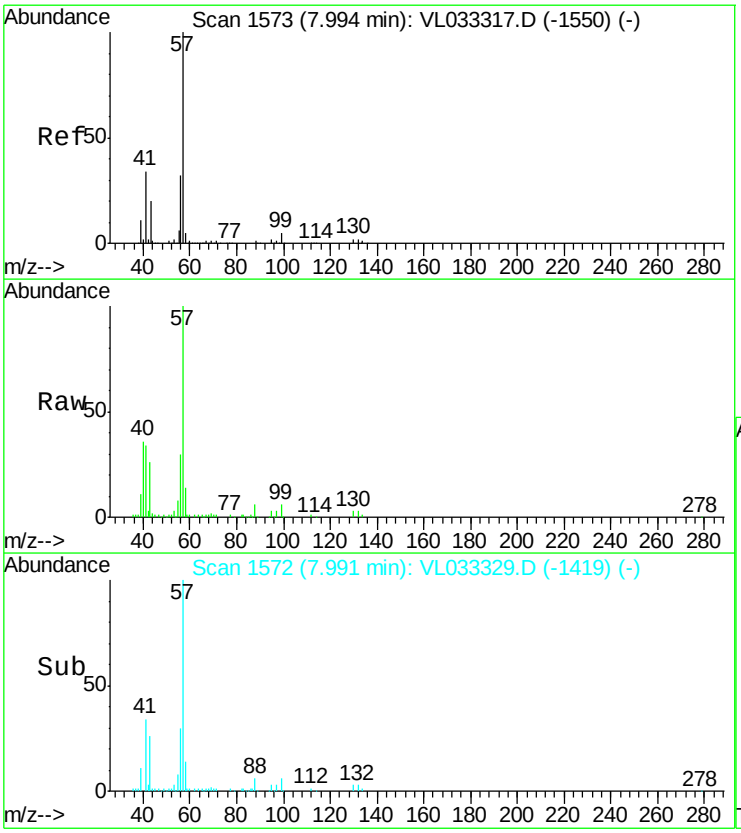
#43
Methyl Methacrylate
Concen: 0.463 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 32035

Ion	Ratio	Lower	Upper
69	100		
41	149.7	119.5	179.3
100	29.3	24.4	36.6

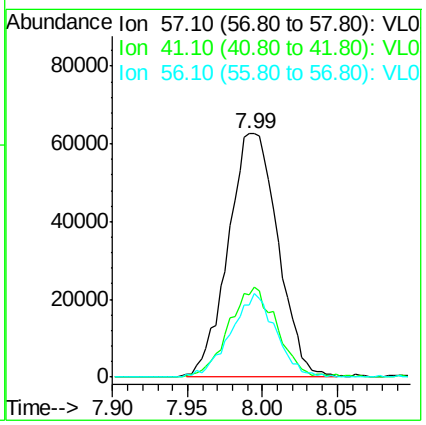


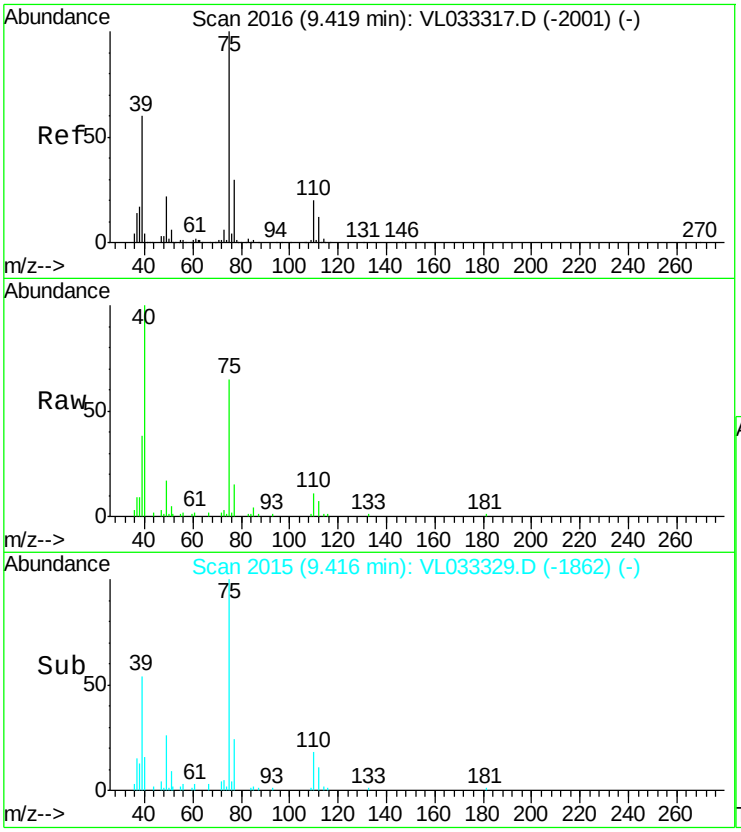


#44
2,2,4-Trimethylpentane
Concen: 0.483 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 57 Resp: 143660

Ion	Ratio	Lower	Upper
57	100		
41	36.3	26.0	39.0
56	31.4	24.6	36.8



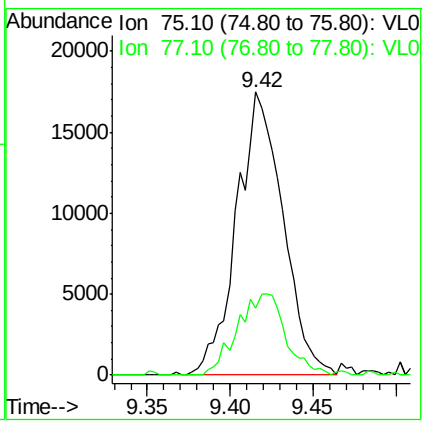


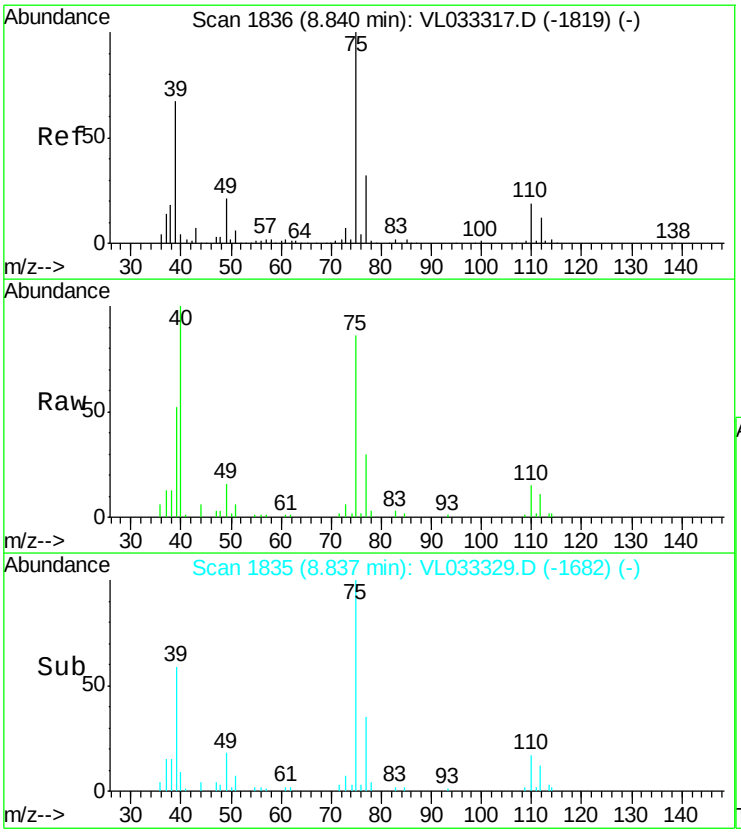
#45
t-1,3-Dichloropropene
Concen: 0.400 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 33857

Ion	Ratio	Lower	Upper
75	100		
77	23.9	25.5	38.3#

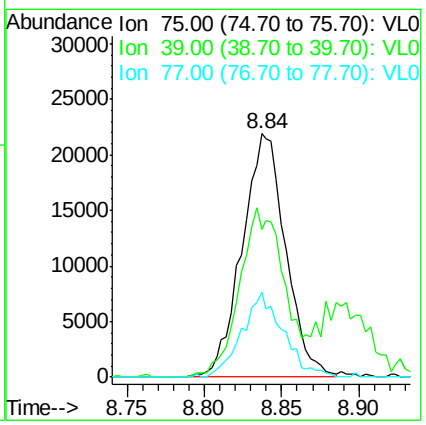


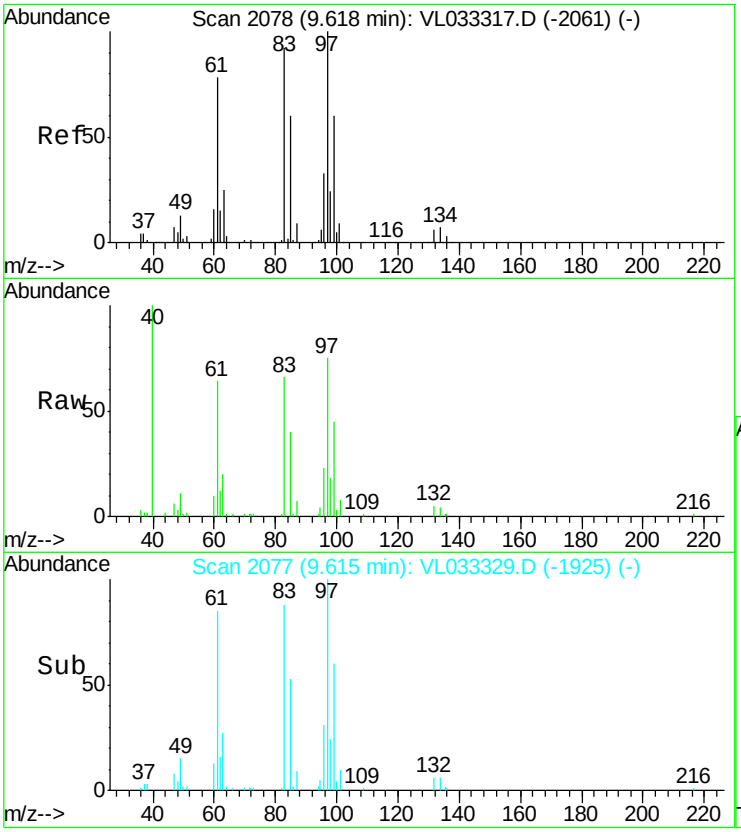


#46
cis-1,3-Dichloropropene
Concen: 0.431 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 75 Resp: 42921

Ion	Ratio	Lower	Upper
75	100		
39	60.9	55.0	82.6
77	34.7	24.5	36.7



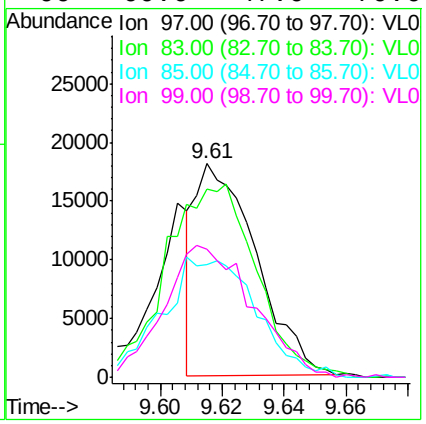


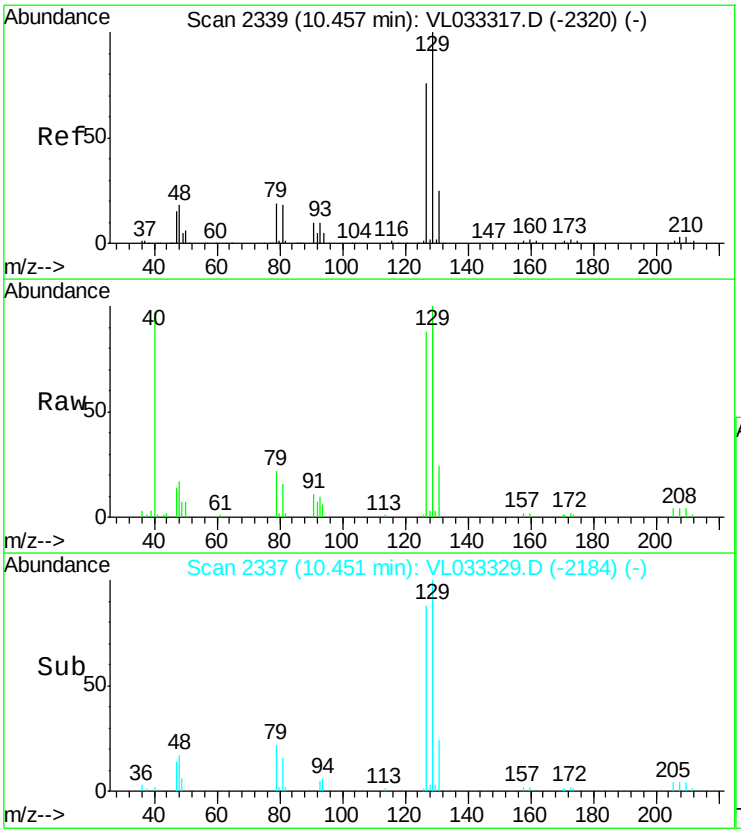
#47
1,1,2-Trichloroethane
Concen: 0.337 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 97 Resp: 24456

Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.4	101.0
85	52.7	43.0	64.4
99	60.6	47.0	70.6

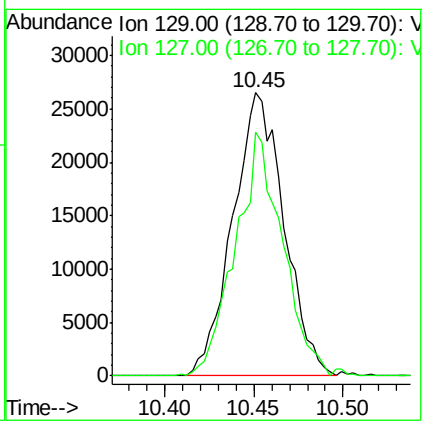


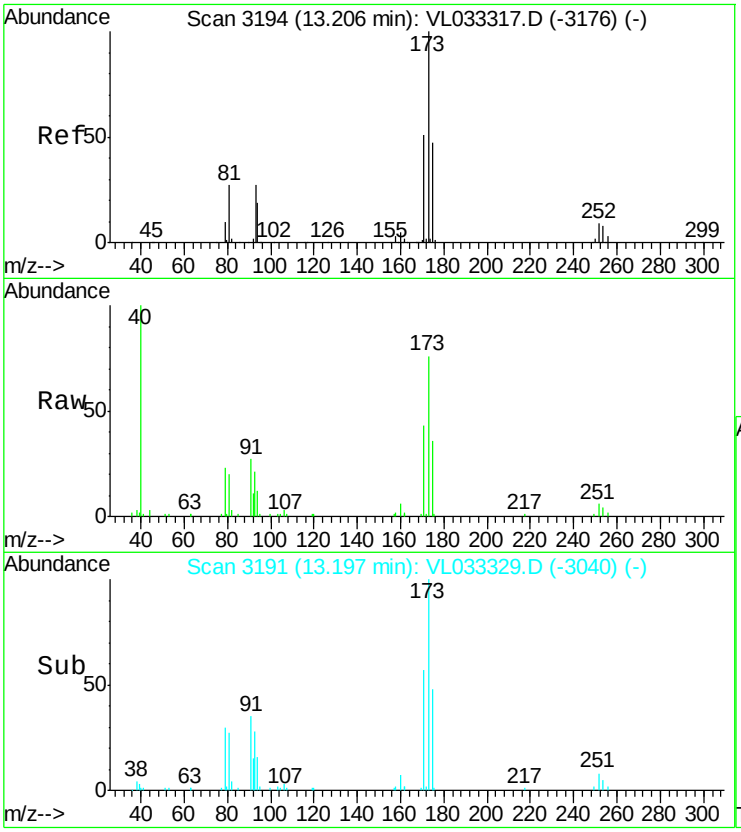


#48
Dibromochloromethane
Concen: 0.428 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:129 Resp: 53154

Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.9	116.6



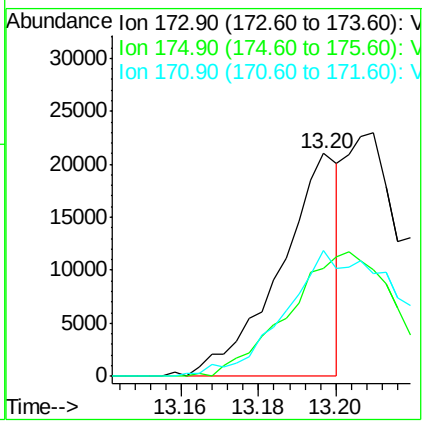


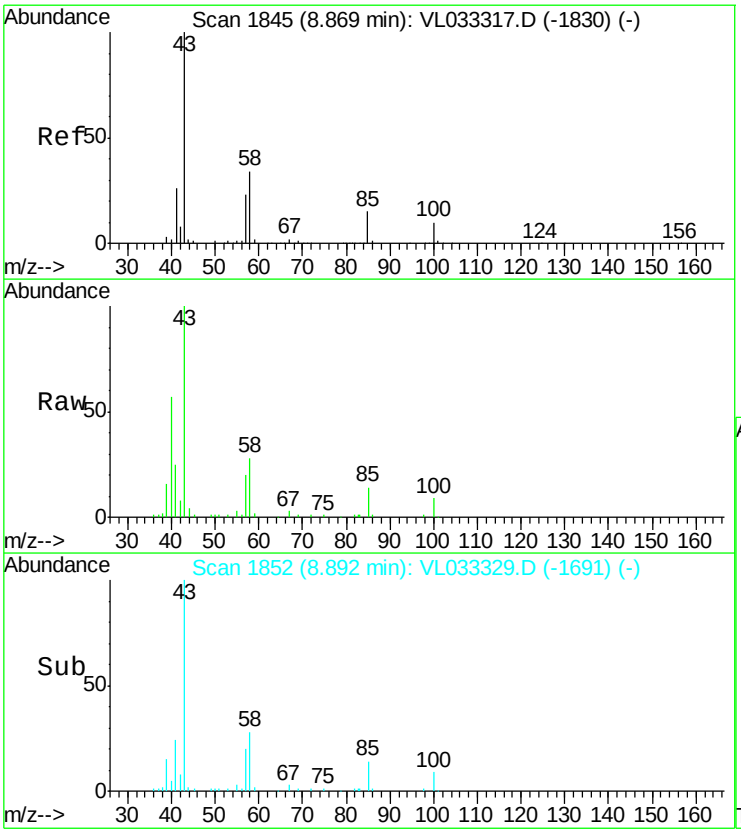
#49
Bromoform
Concen: 0.197 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:173 Resp: 22093

Ion	Ratio	Lower	Upper
173	100		
175	108.3	39.0	58.6#
171	113.6	41.7	62.5#

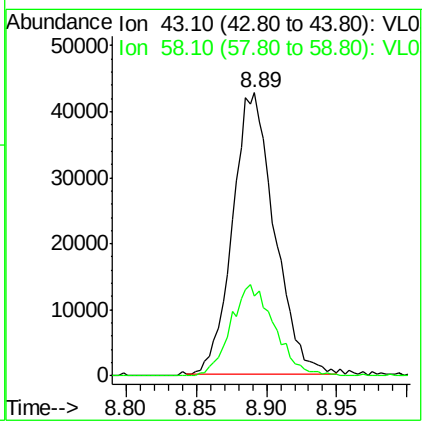


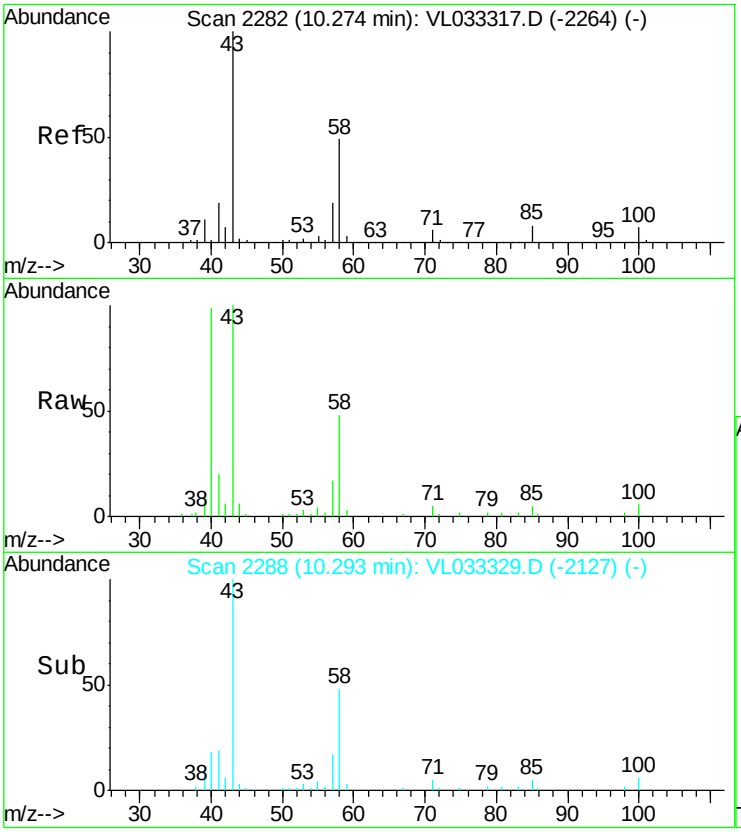


#50
4-Methyl-2-Pentanone
Concen: 0.482 ppbv
RT: 8.89 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 43 Resp: 88712

Ion	Ratio	Lower	Upper
43	100		
58	33.8	28.4	42.6



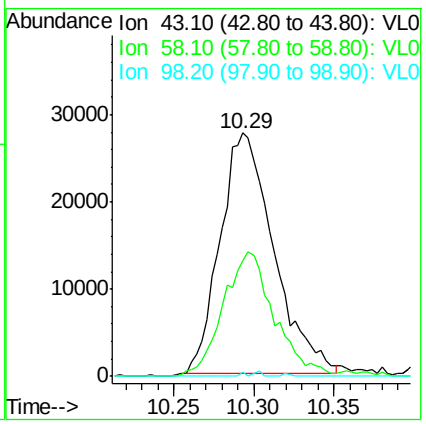


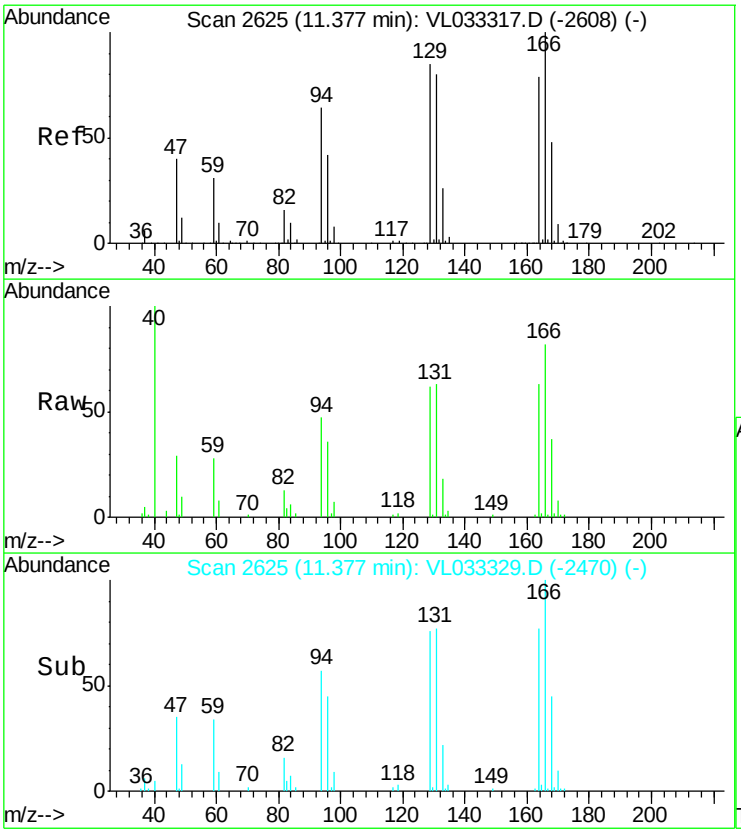
#51
2-Hexanone
Concen: 0.431 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 63137

Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.0	57.0
98	0.1	0.1	0.1#

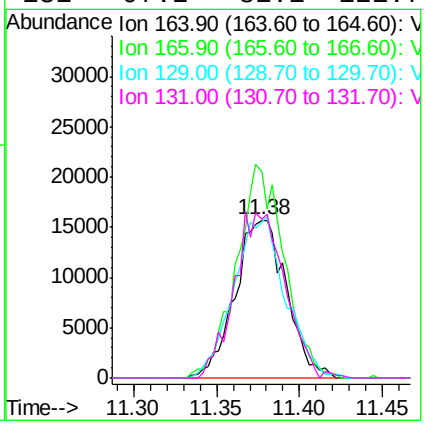


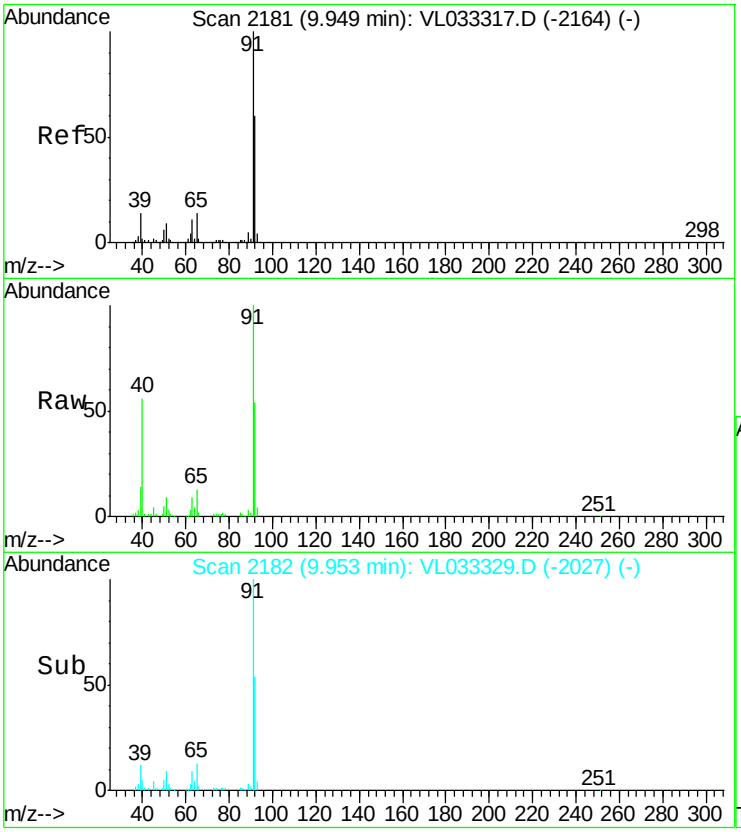


#52
Tetrachloroethene
Concen: 0.473 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:164 Resp: 33892

Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.5	152.3
129	97.7	82.2	123.2
131	97.2	81.1	121.7



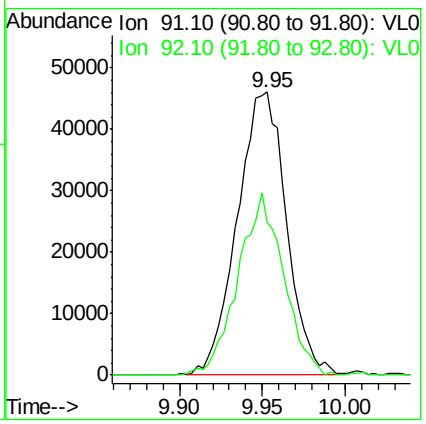


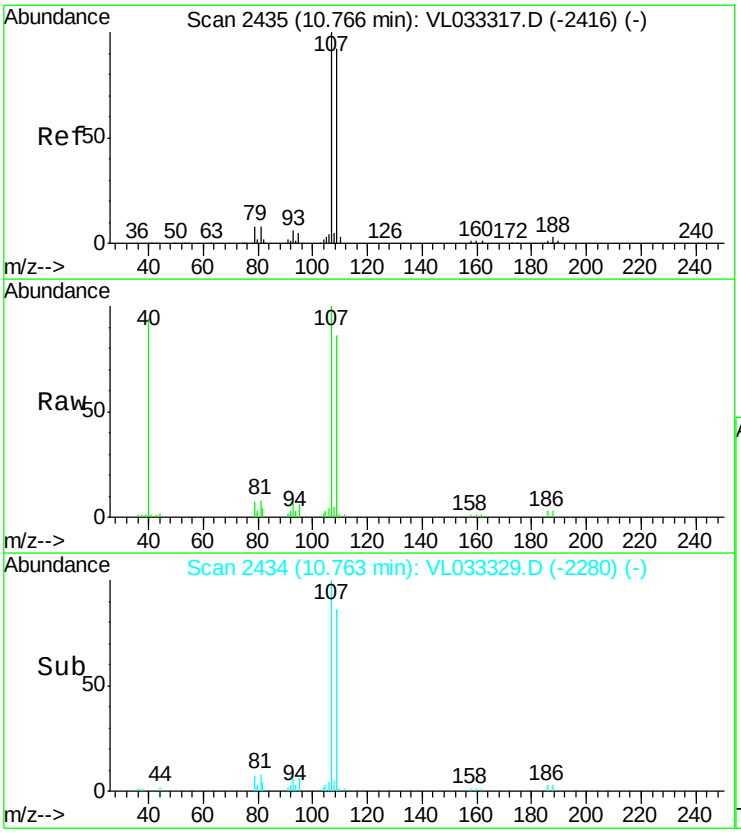
#53
Toluene
Concen: 0.465 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 94000

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.4	71.0

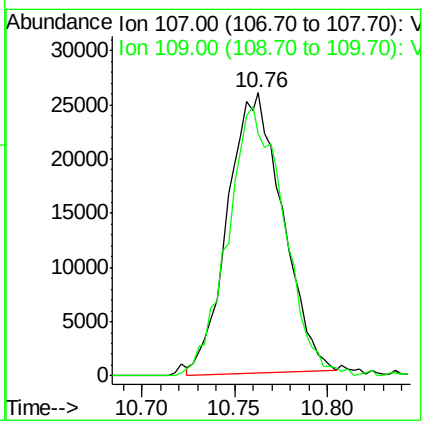


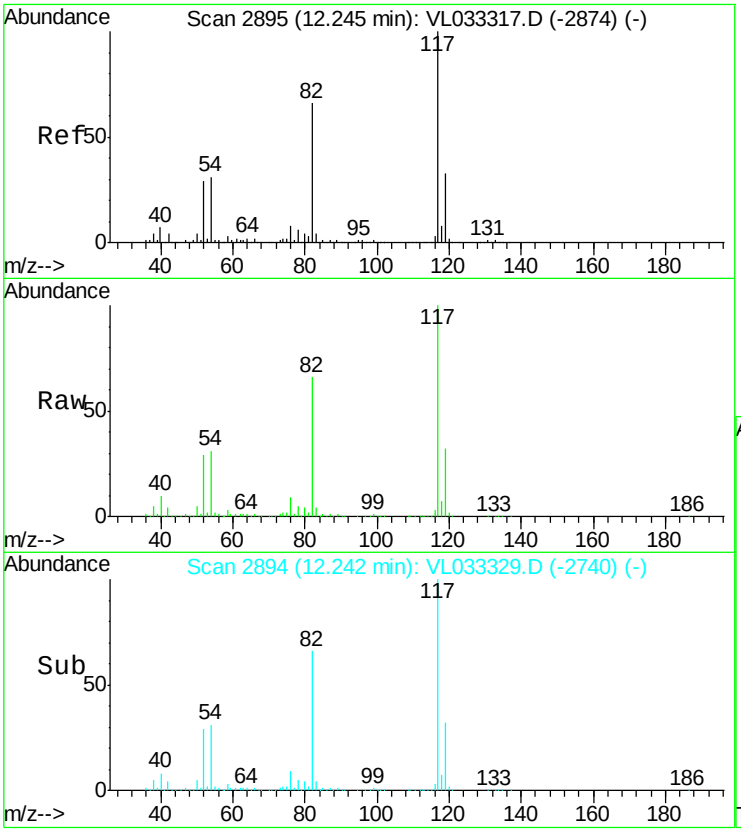


#54
1,2-Dibromoethane
Concen: 0.448 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:107 Resp: 52995

Ion	Ratio	Lower	Upper
107	100		
109	85.3	77.2	115.8



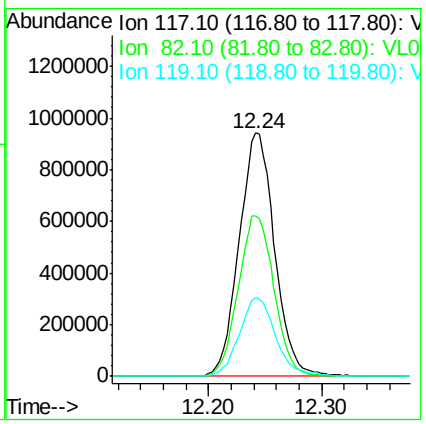


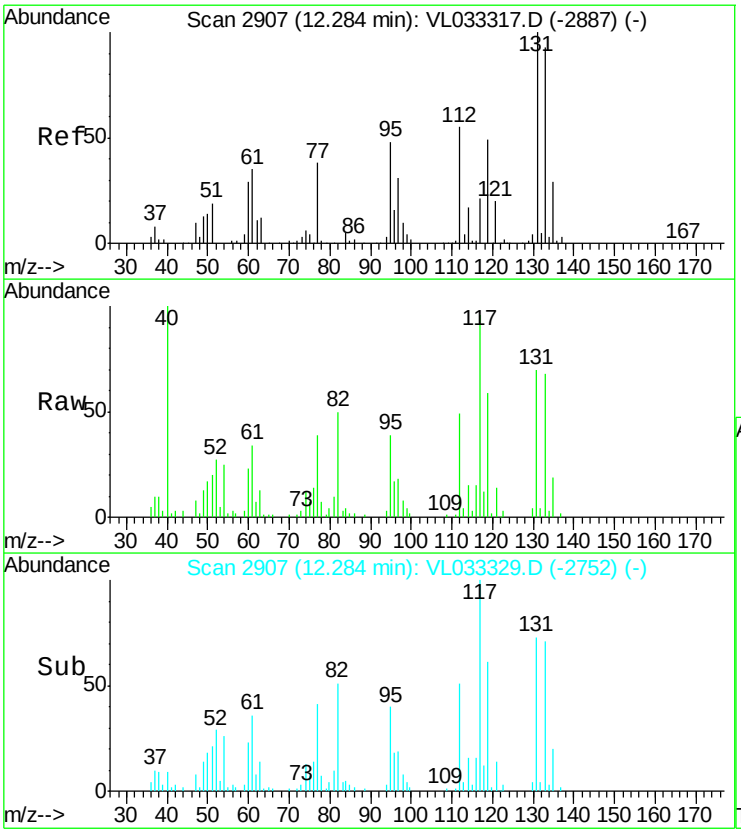
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 2052935

Ion	Ratio	Lower	Upper
117	100		
82	66.8	53.4	80.2
119	33.3	27.3	40.9

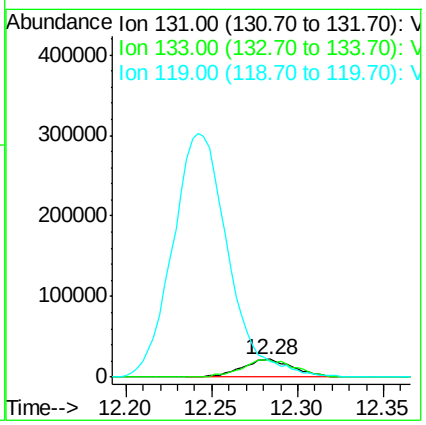


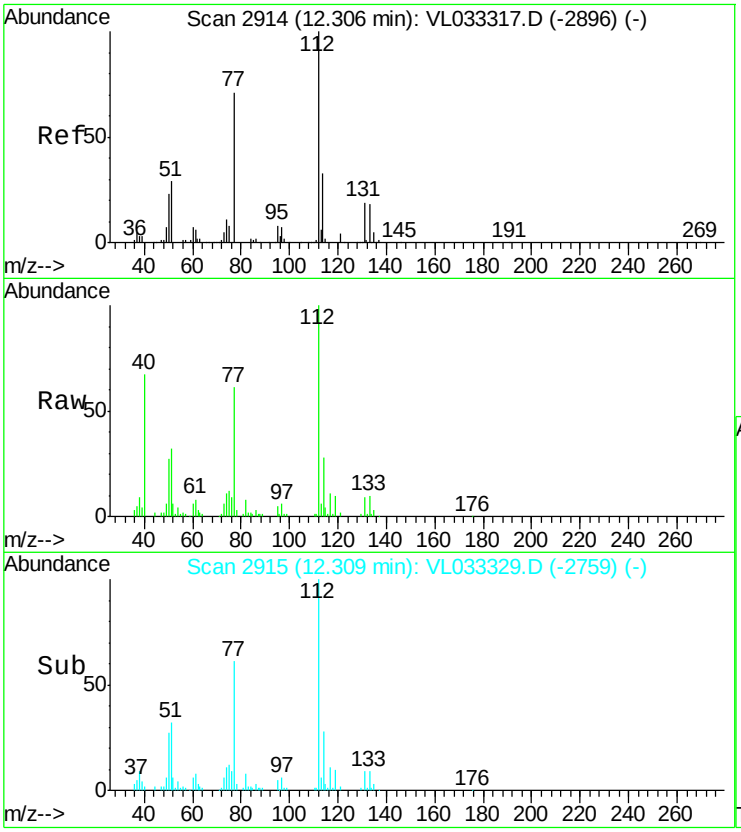


#56
1,1,1,2-Tetrachloroethane
Concen: 0.500 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:131 Resp: 46025

Ion	Ratio	Lower	Upper
131	100		
133	101.3	76.7	115.1
119	1485.1	40.3	60.5#



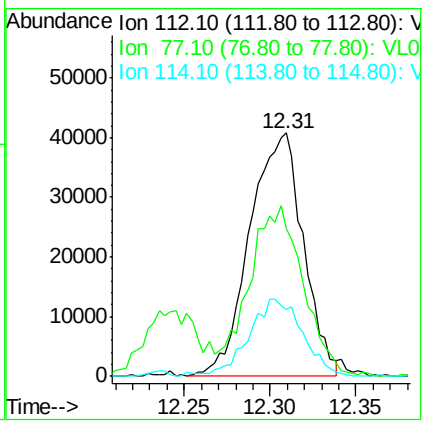


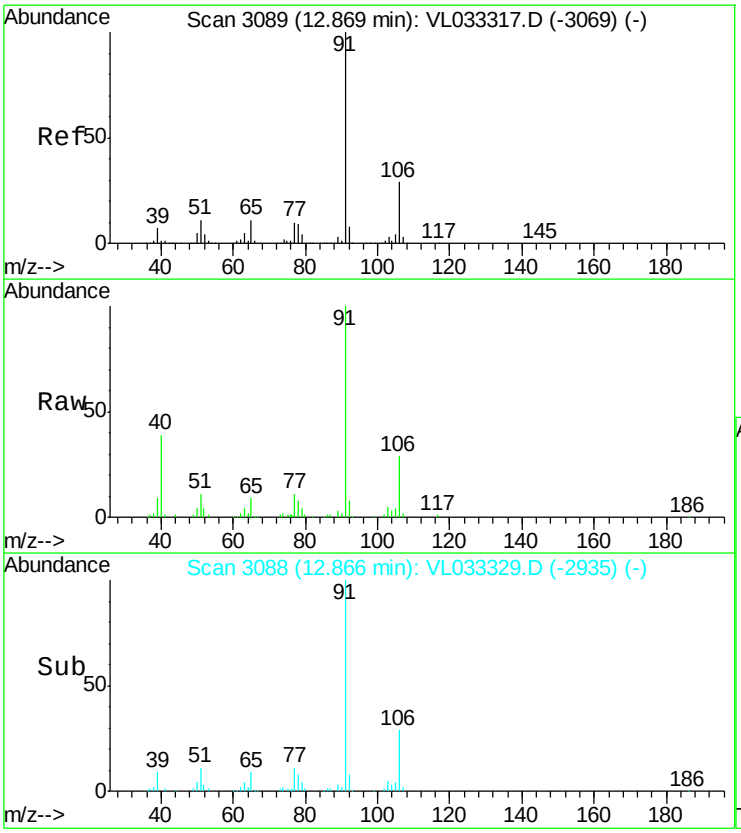
#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:112 Resp: 87995

Ion	Ratio	Lower	Upper
112	100		
77	54.2	55.8	83.6#
114	25.8	28.6	35.0#

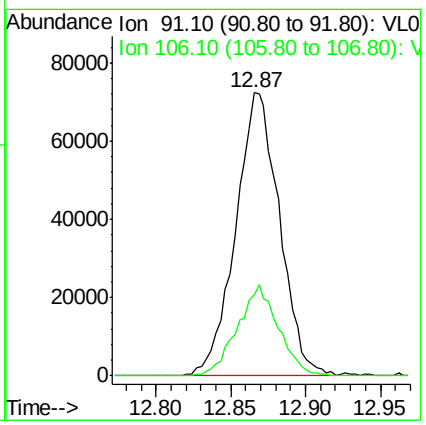


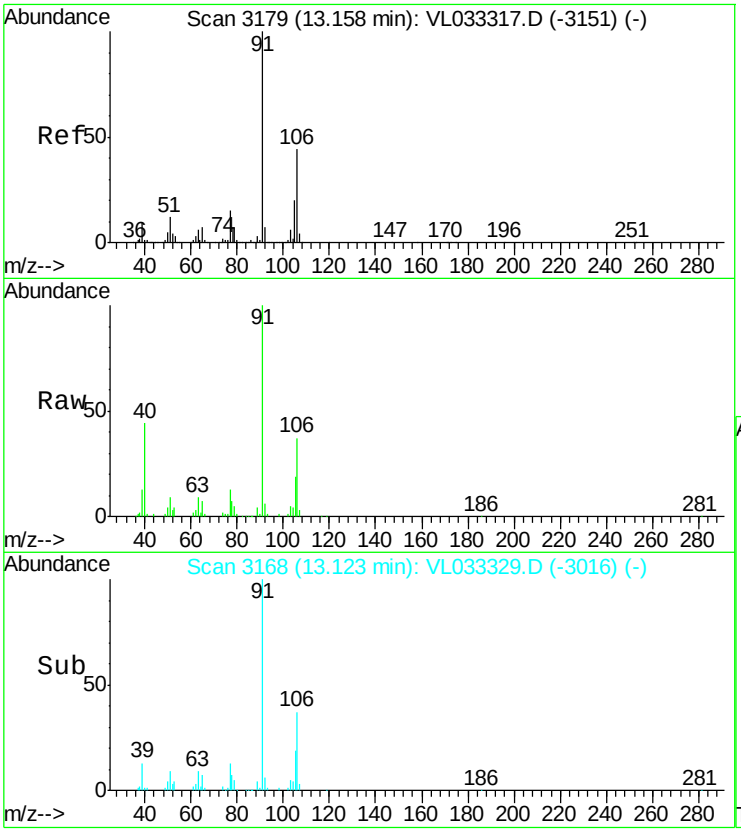


#58
Ethyl Benzene
Concen: 0.503 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 91 Resp: 146110

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.2	36.2



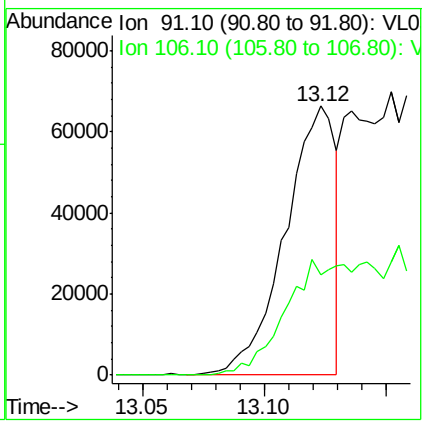


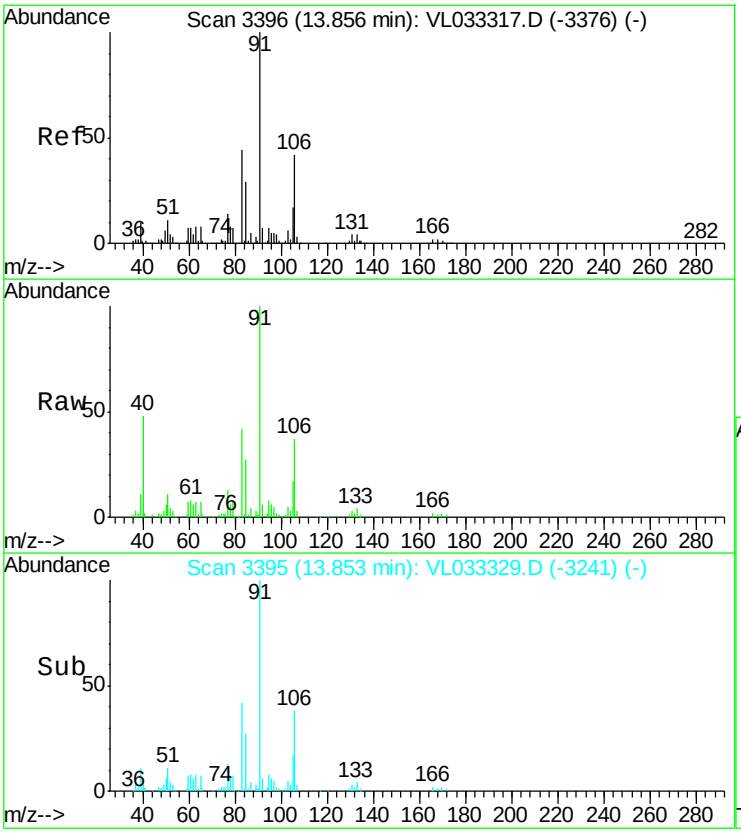
#59
m/p-Xylene
Concen: 0.384 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 95105

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

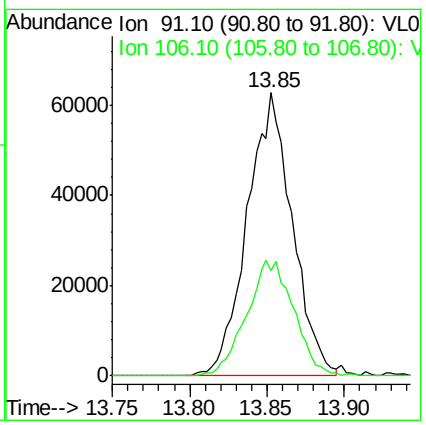


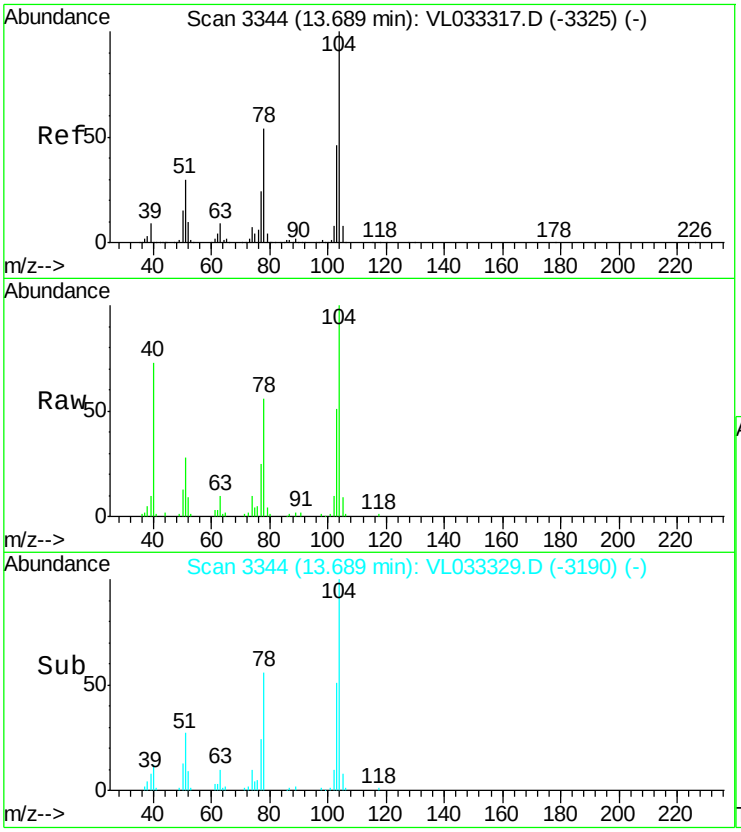


#60
o-Xylene
Concen: 0.524 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 91 Resp: 126991

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.3	63.9



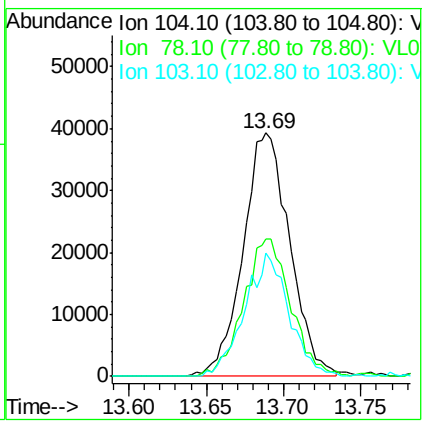


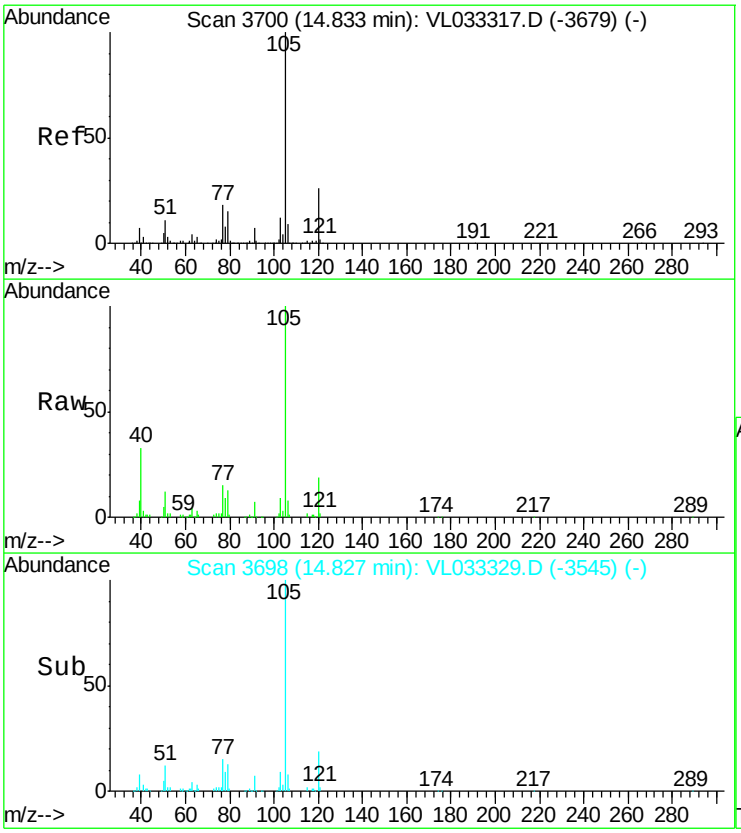
#61
Styrene
Concen: 0.488 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 82610

Ion	Ratio	Lower	Upper
104	100		
78	57.3	42.7	64.1
103	47.9	38.0	57.0

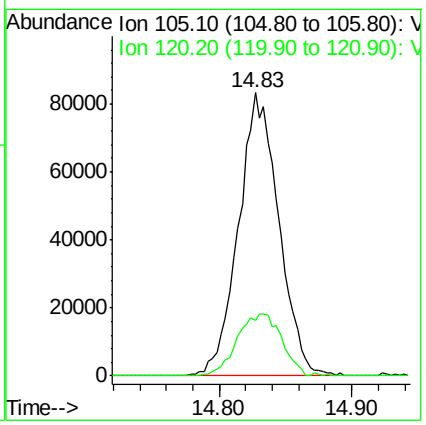


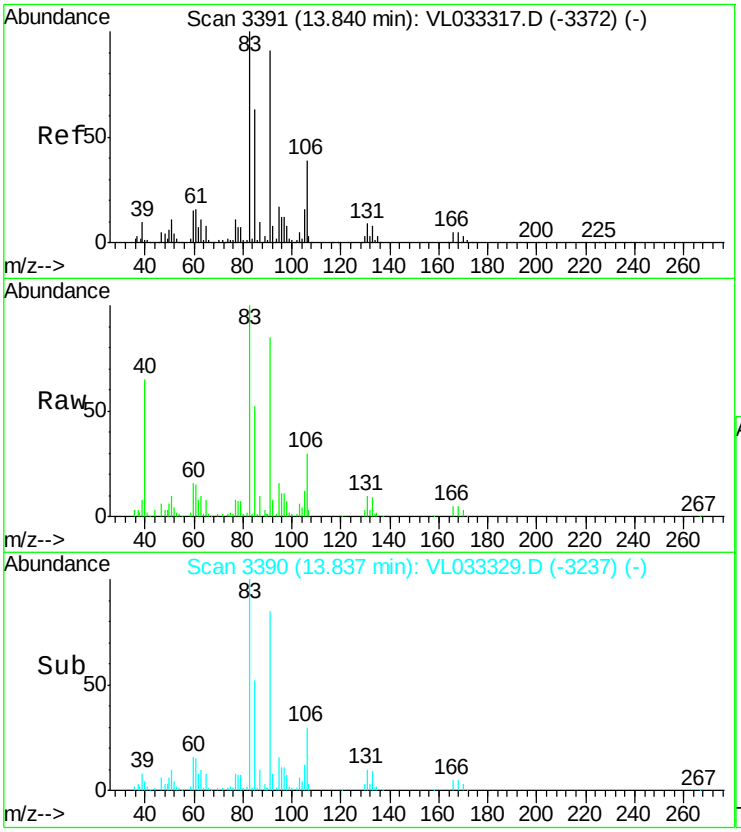


#62
Isopropylbenzene
Concen: 0.527 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:105 Resp: 176356

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.9	29.9



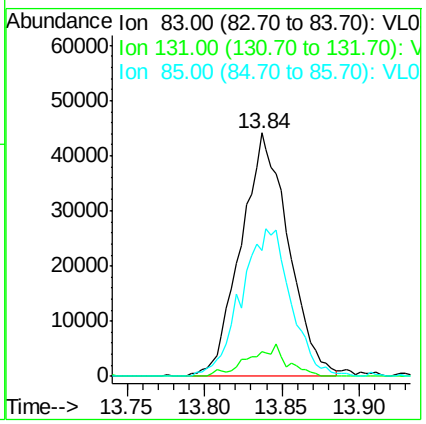


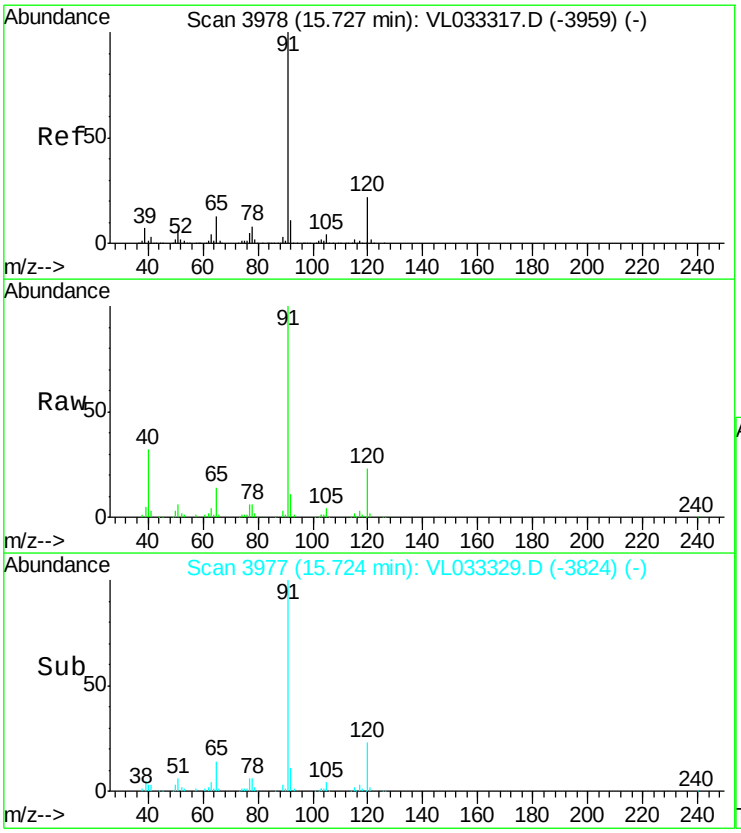
#63
1,1,2,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 94758

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.7	14.0
85	63.1	32.5	97.4

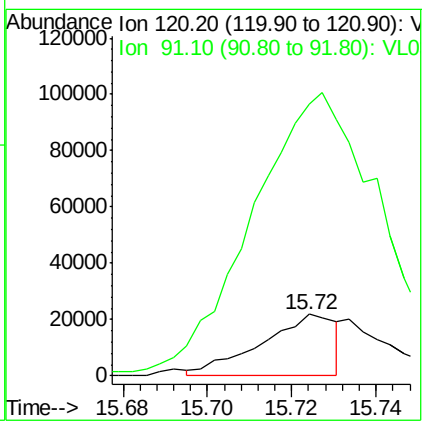


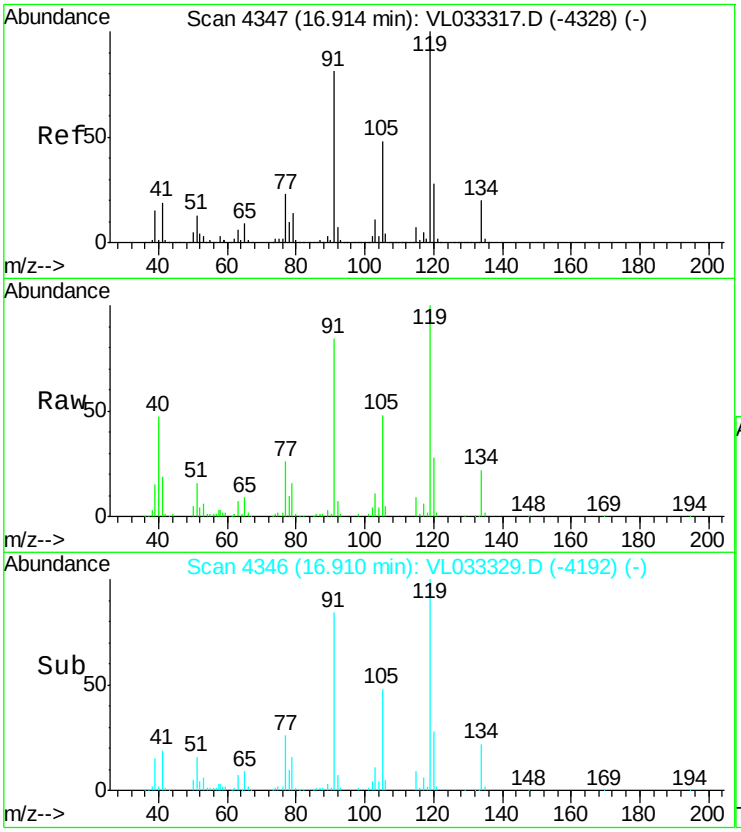


#64
n-propylbenzene
Concen: 0.320 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:120 Resp: 27096

Ion	Ratio	Lower	Upper
120	100		
91	817.3	389.8	584.6#



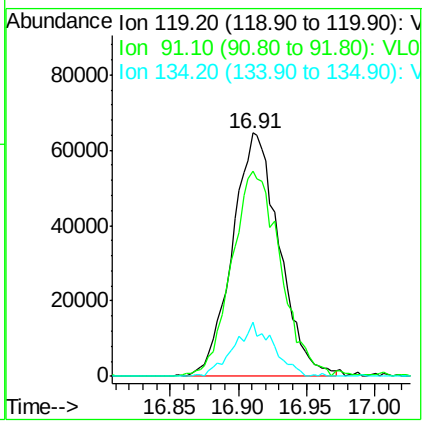


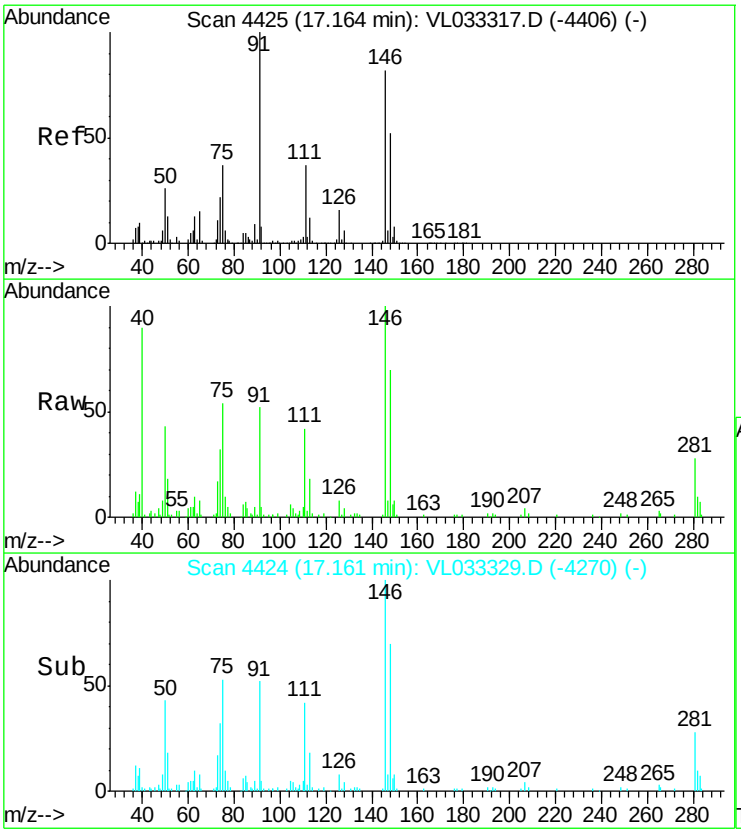
#65
tert-Butylbenzene
Concen: 0.497 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 153273

Ion	Ratio	Lower	Upper
119	100		
91	88.7	67.2	100.8
134	18.6	15.4	23.2

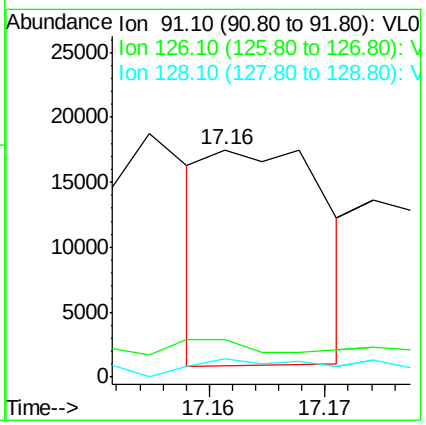


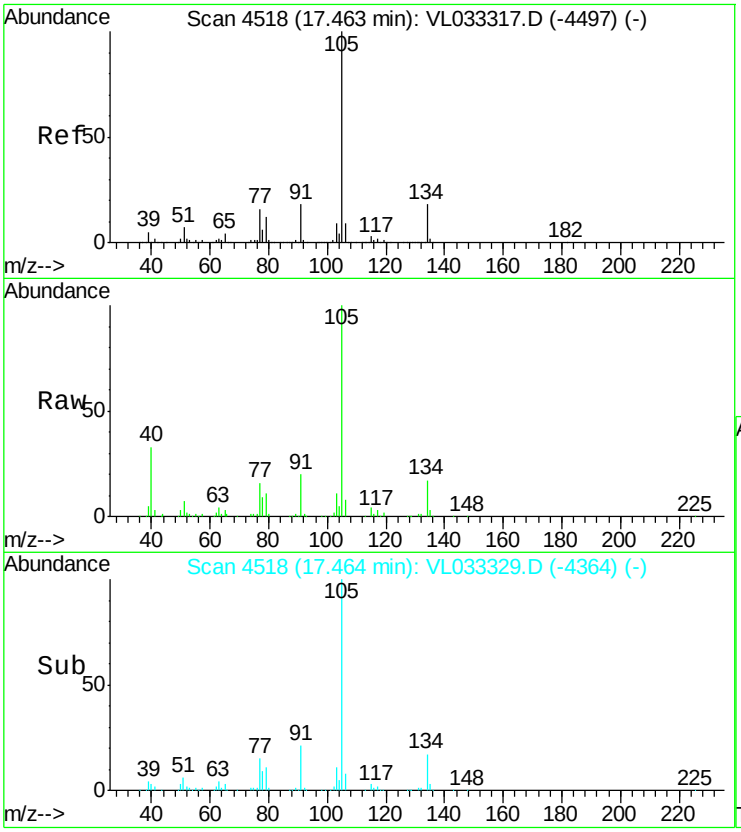


#66
Benzyl Chloride
Concen: 0.092 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 91 Resp: 11617

Ion	Ratio	Lower	Upper
91	100		
126	58.6	13.2	19.8#
128	23.4	4.2	6.4#



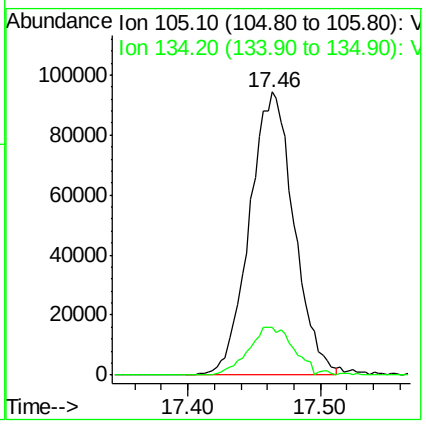


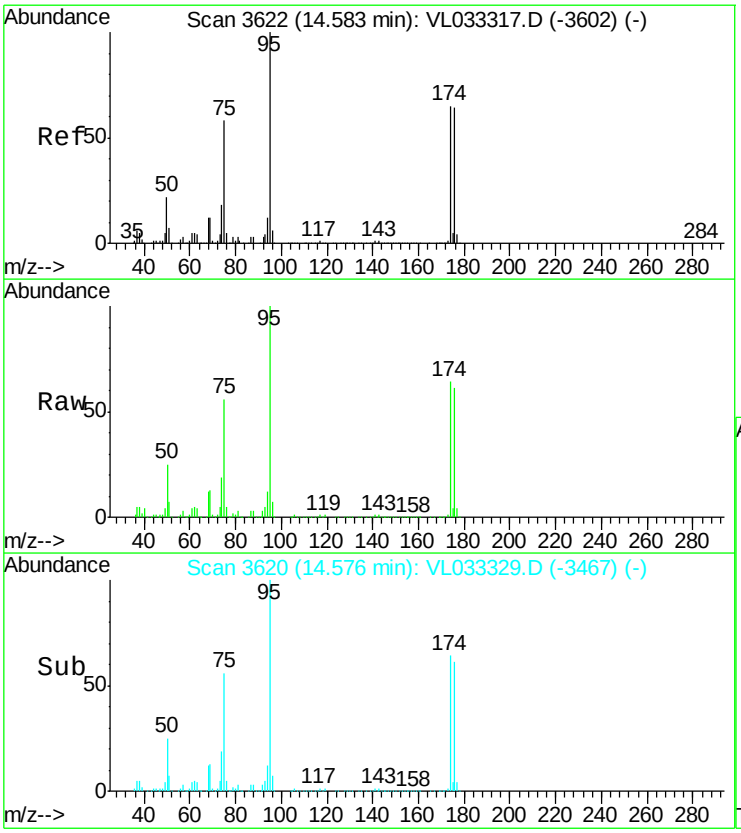
#67
sec-Butylbenzene
Concen: 0.500 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 220482

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.4

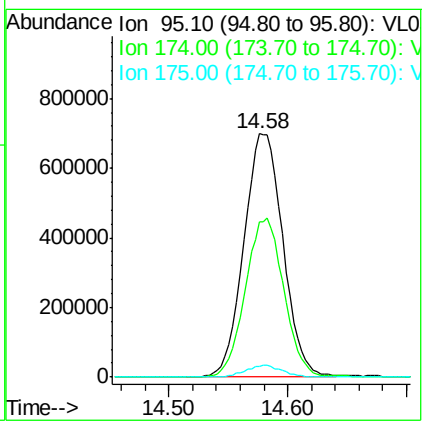


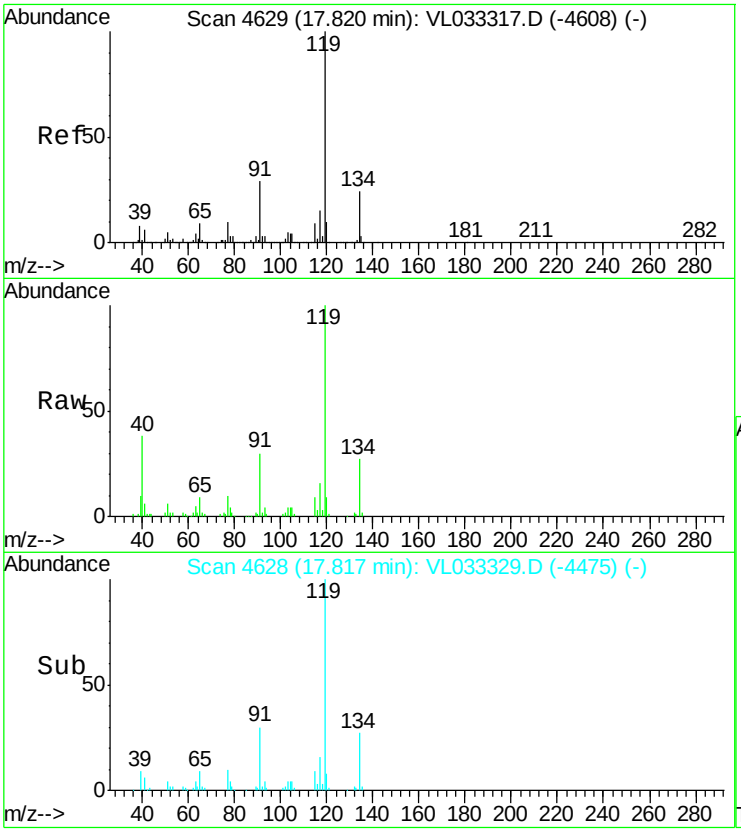


#68
1-Bromo-4-Fluorobenzene
Concen: 10.180 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 95 Resp: 1588392

Ion	Ratio	Lower	Upper
95	100		
174	64.8	51.5	77.3
175	4.6	3.8	5.6



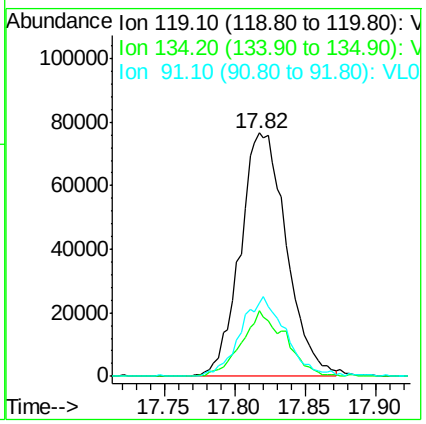


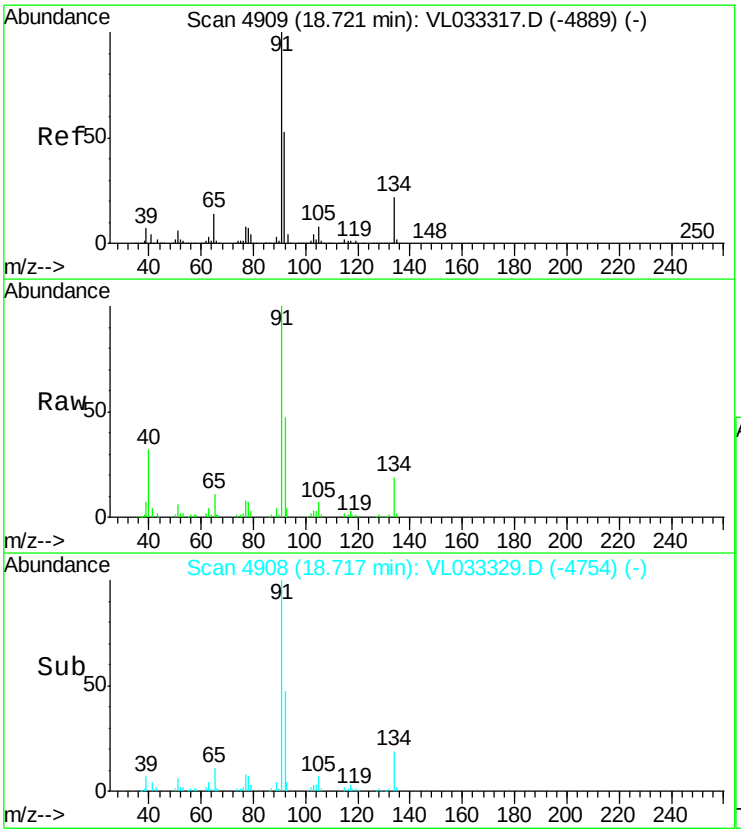
#69
p-Isopropyltoluene
Concen: 0.490 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 176021

Ion	Ratio	Lower	Upper
119	100		
134	25.6	19.8	29.6
91	32.3	23.4	35.2

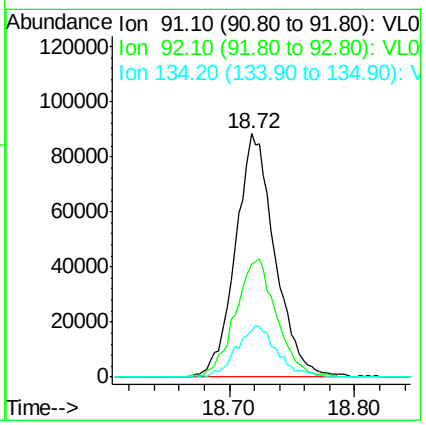


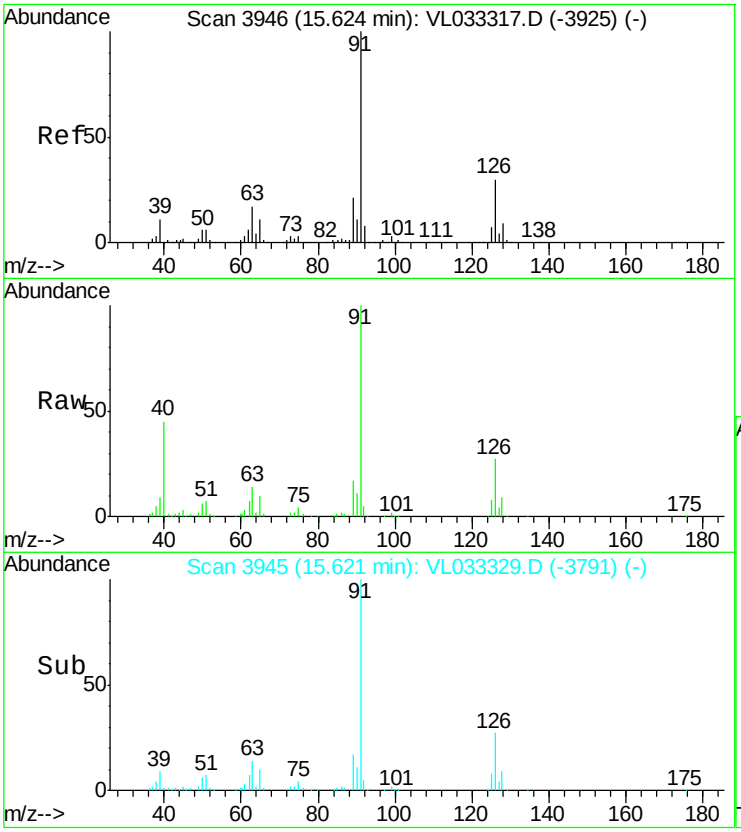


#70
n-Butylbenzene
Concen: 0.501 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion: 91 Resp: 192072

Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.8	64.2
134	21.7	17.4	26.0



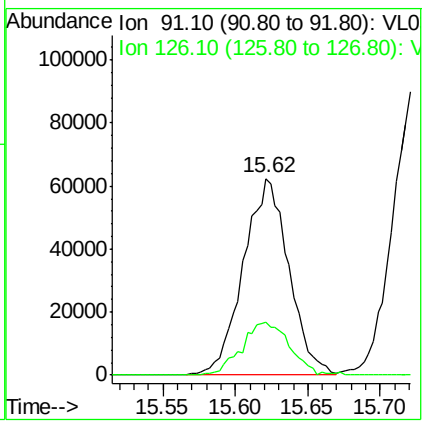


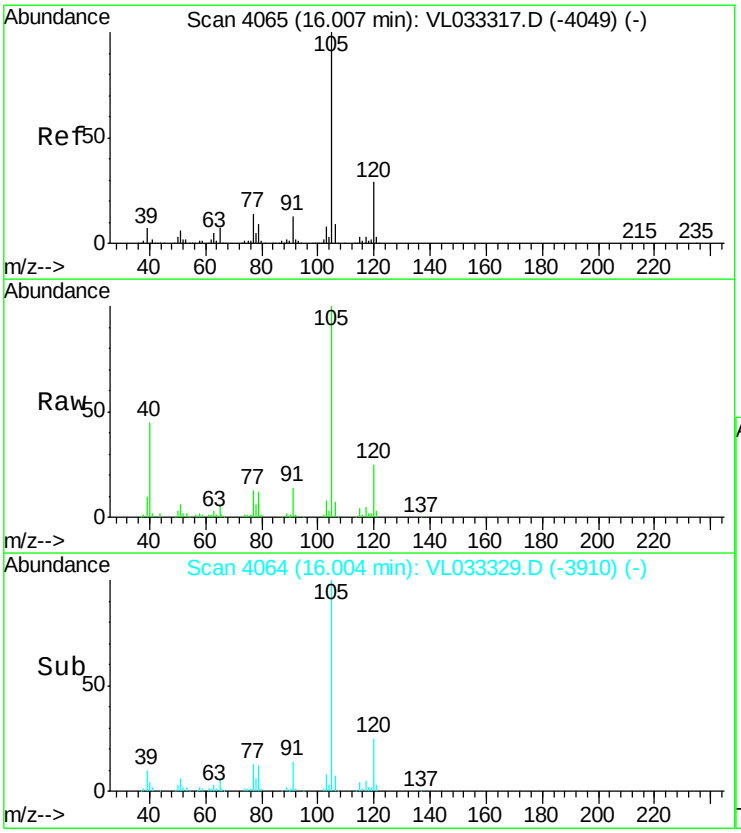
#71
2-Chlorotoluene
Concen: 0.509 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 135681

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.6	46.6

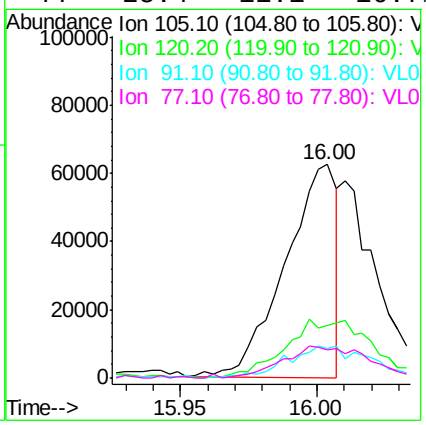


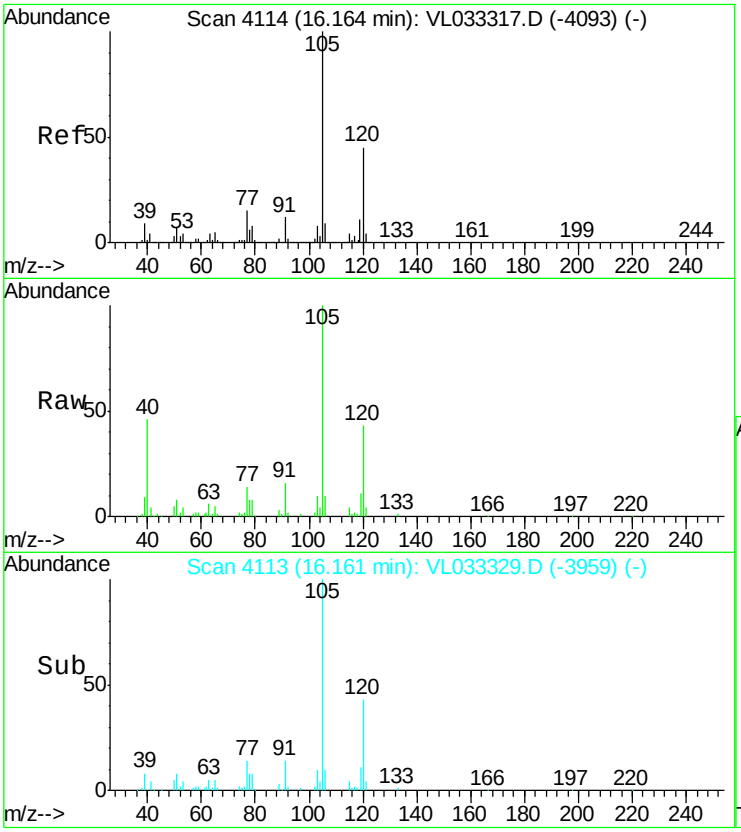


#72
4-Ethyltoluene
Concen: 0.297 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:105 Resp: 82037

Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	34.3#
91	0.0	10.2	15.2#
77	25.4	11.1	16.7#



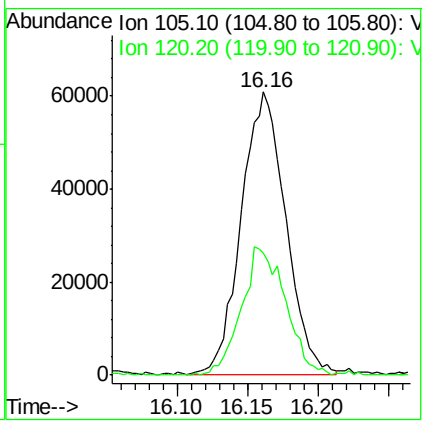


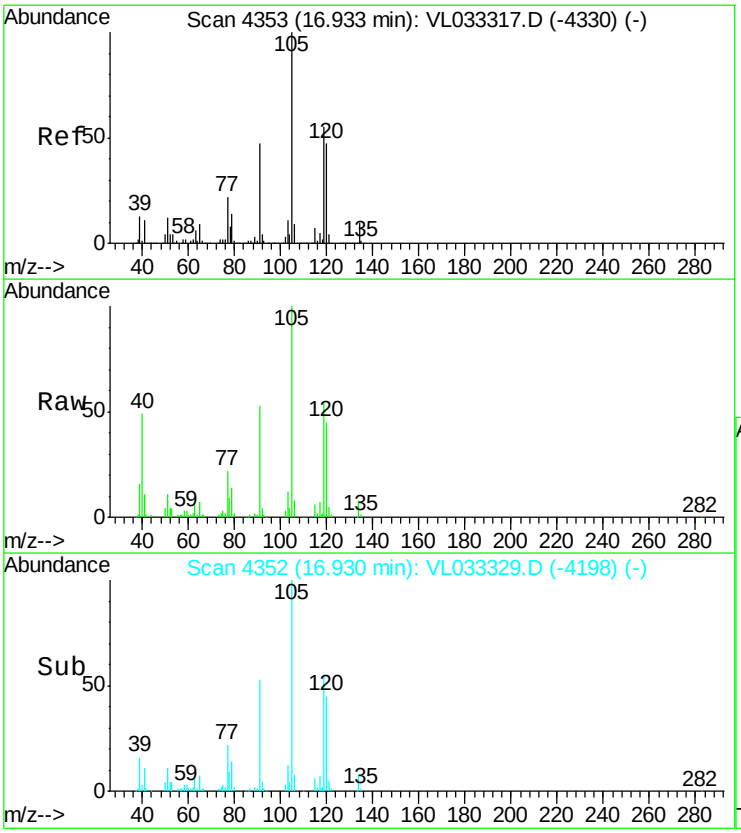
#73
1,3,5-Trimethylbenzene
Concen: 0.492 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 134659

Ion	Ratio	Lower	Upper
105	100		
120	43.0	36.2	54.4

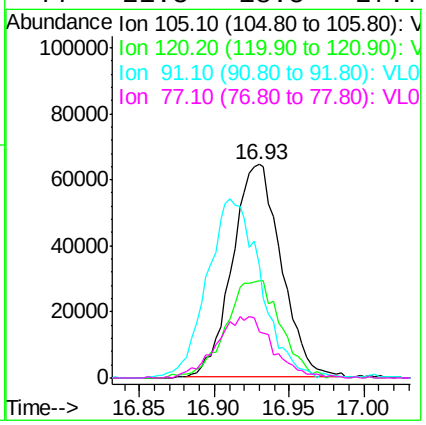


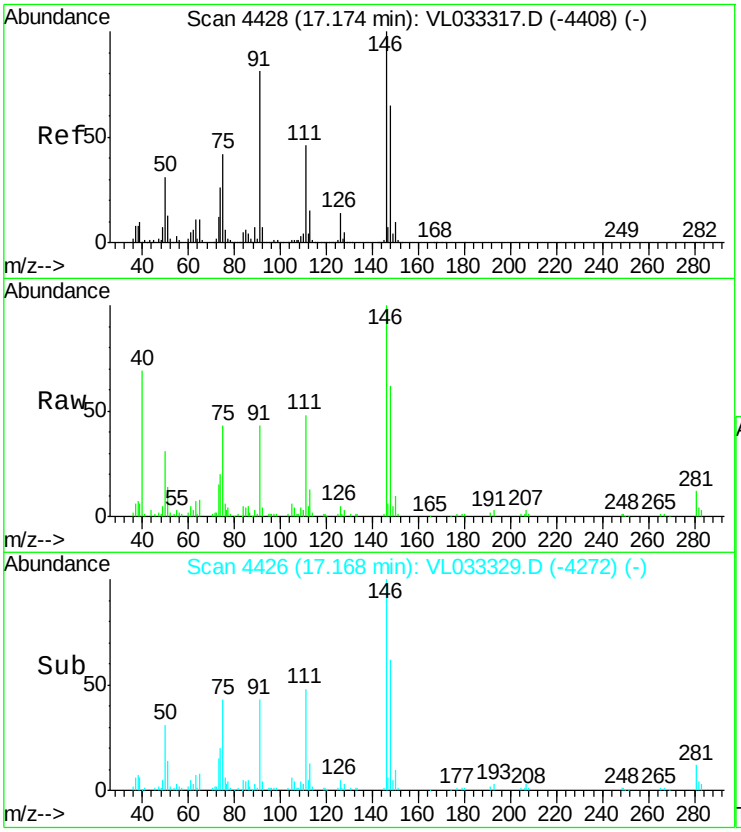


#74
1,2,4-Trimethylbenzene
Concen: 0.509 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:105 Resp: 146804

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.4	56.2
91	52.0	41.0	61.4
77	21.3	18.5	27.7



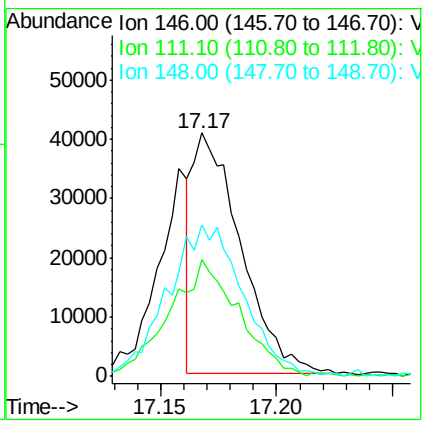


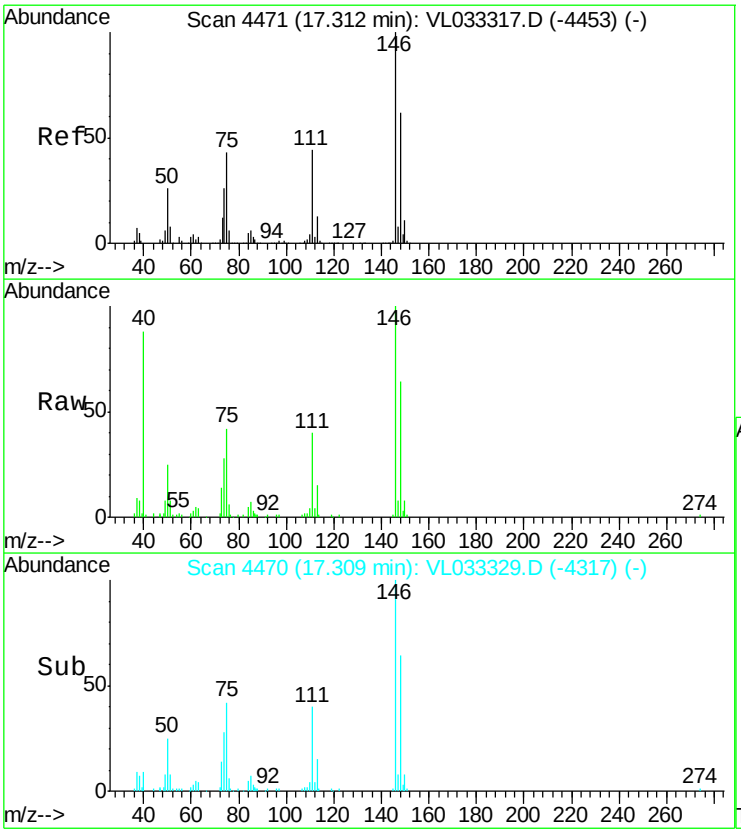
#75
1,3-Dichlorobenzene
Concen: 0.347 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 58176

Ion	Ratio	Lower	Upper
146	100		
111	72.4	22.8	68.3#
148	100.0	31.9	95.7#

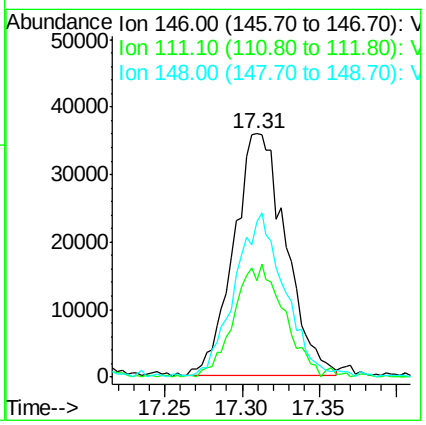


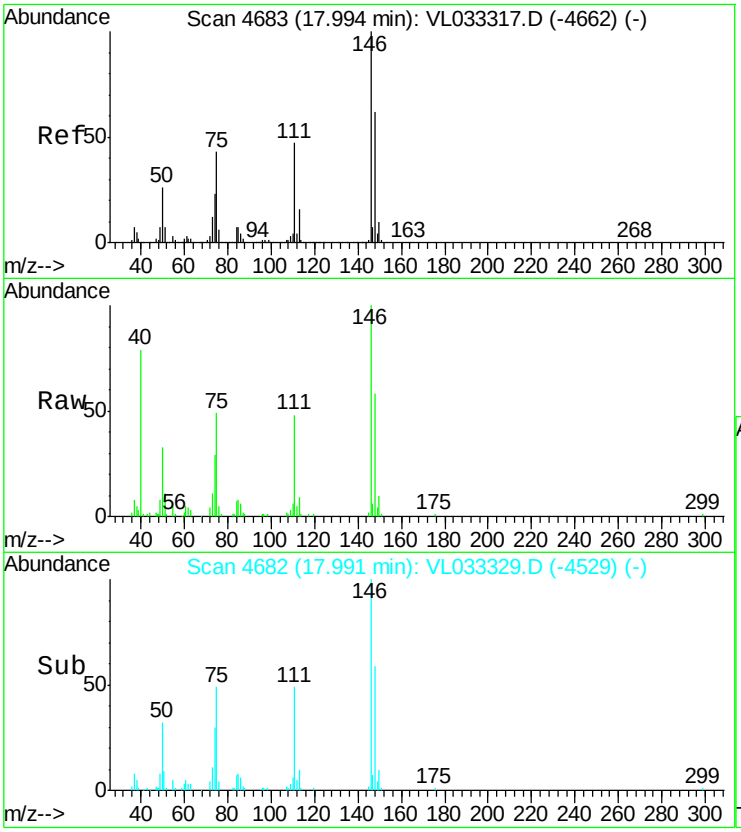


#76
1,4-Dichlorobenzene
Concen: 0.510 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:146 Resp: 84137

Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.9	65.7
148	66.0	32.1	96.5



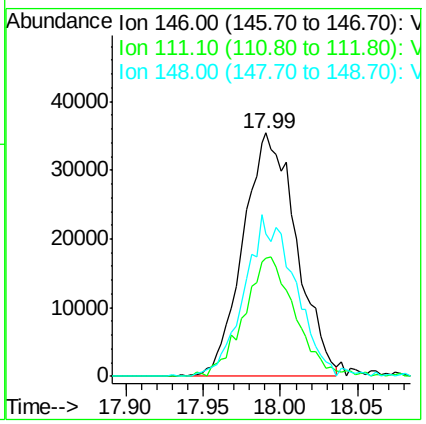


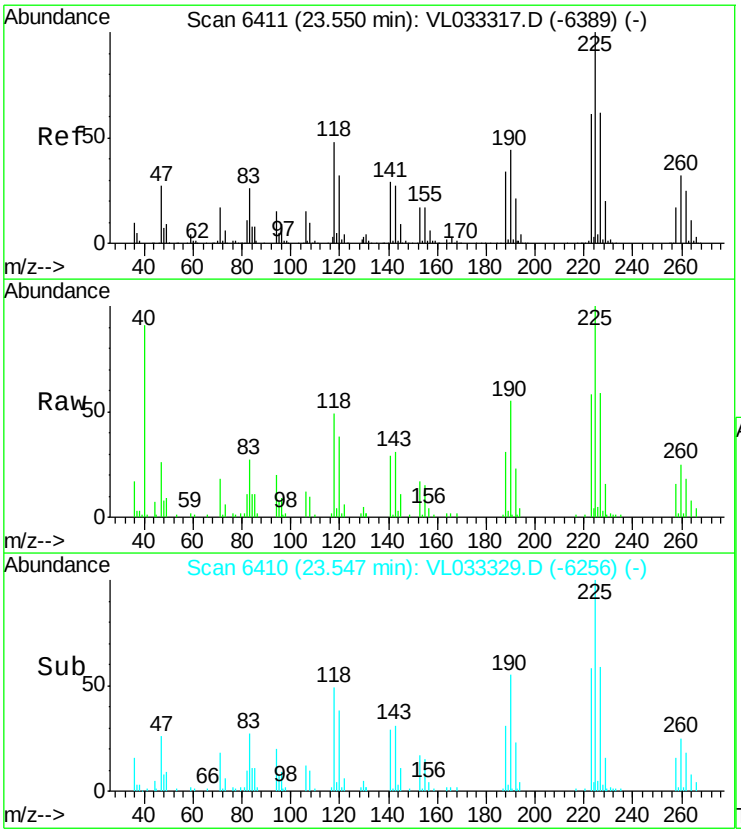
#77
1,2-Dichlorobenzene
Concen: 0.523 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:146 Resp: 84810

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.5	70.6
148	63.9	31.9	95.9

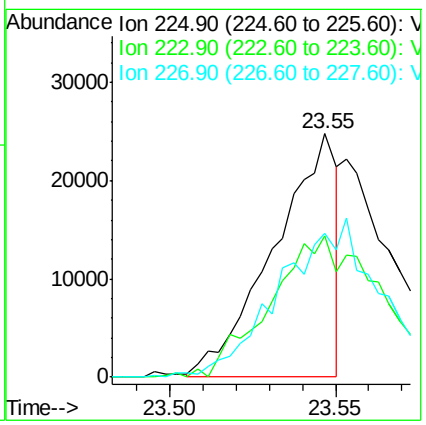


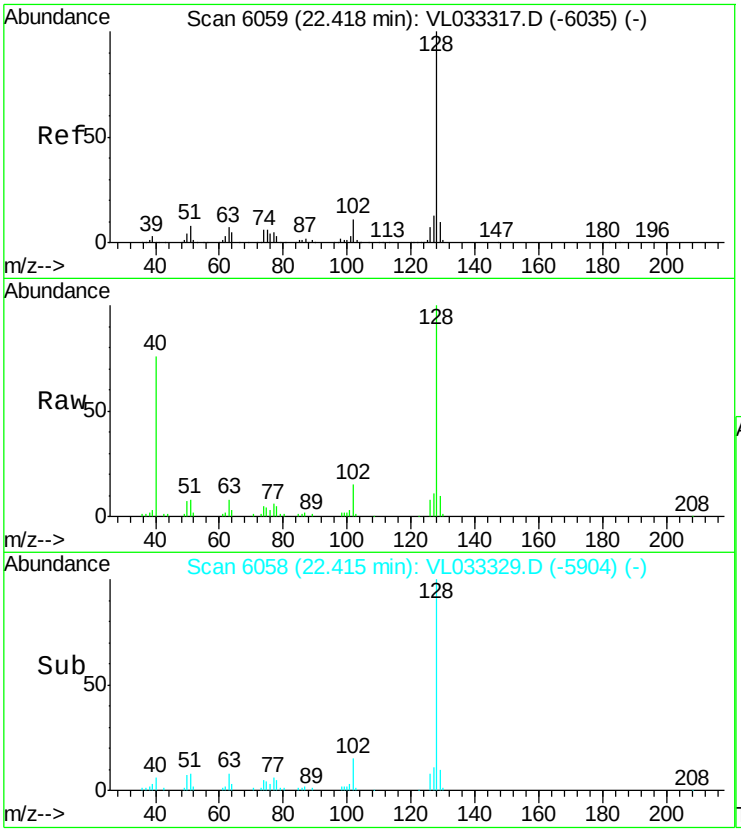


#78
Hexachloro-1,3-Butadiene
Concen: 0.335 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:225 Resp: 32743

Ion	Ratio	Lower	Upper
225	100		
223	102.7	50.4	75.6#
227	0.0	50.5	75.7#



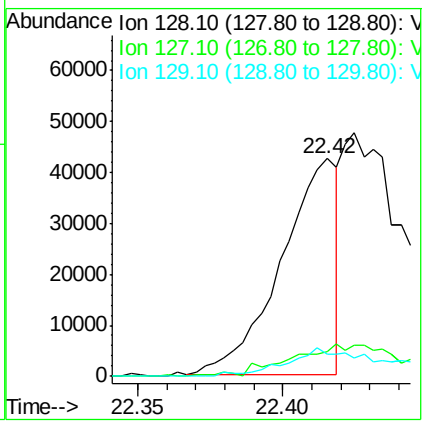


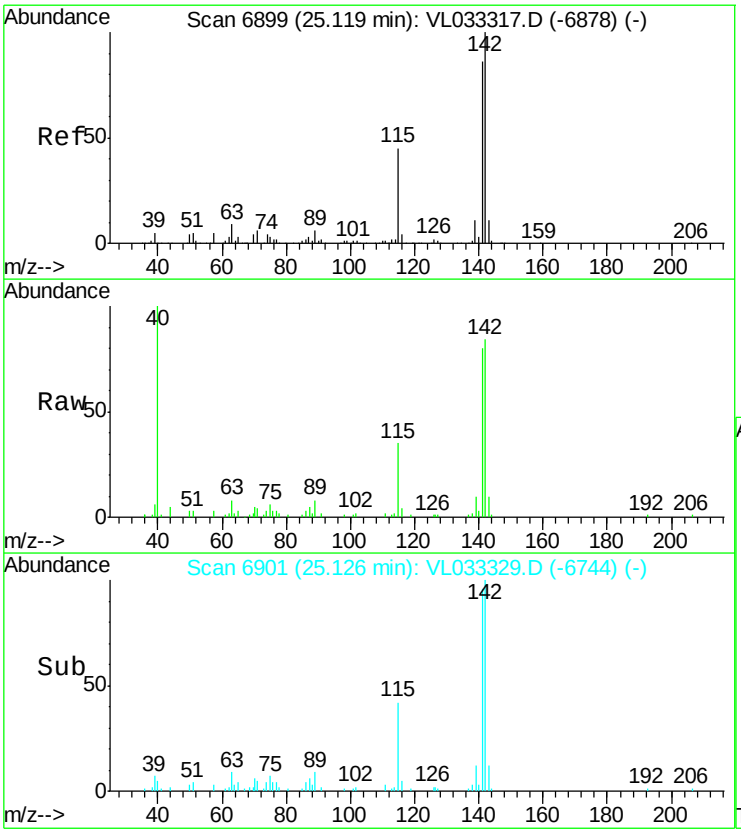
#79
Naphthalene
Concen: 0.203 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 57203

Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.1	15.1
129	11.3	8.2	12.2

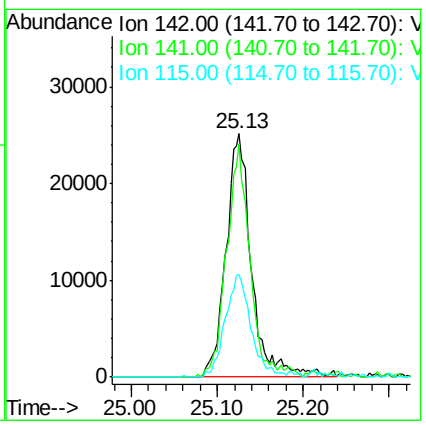


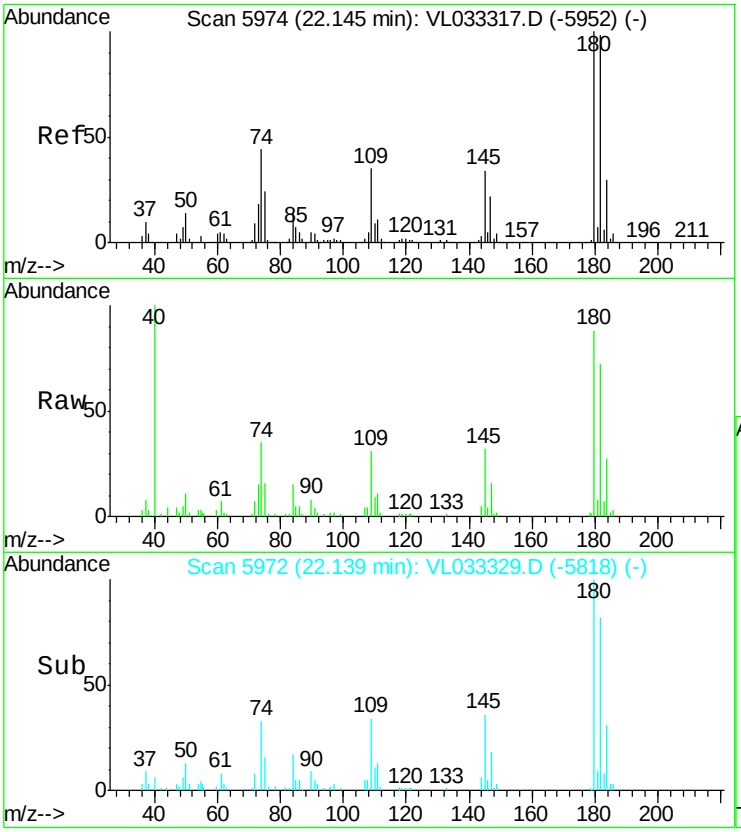


#80
Naphthalene,2-methyl-
Concen: 0.382 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Tgt Ion:142 Resp: 51843

Ion	Ratio	Lower	Upper
142	100		
141	87.6	67.1	100.7
115	42.7	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.235 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033329.D
Acq: 15 Mar 2019 12:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 34249

Ion	Ratio	Lower	Upper
180	100		
182	207.1	76.1	114.1#
184	0.0	24.6	37.0#