Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102915\
Data File : VL026265.D
Acq On : 29 Oct 2015 12:35
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Oct 29 13:59:14 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 13:56:09 2015
QLast Update : Thu Oct 29 13:56:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.68	49	572206	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.36	114	1583146	10.00	ppbv		-0.01
55) Chlorobenzene-d5	13.79	117	1825050	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.33	95	1417390	10.22	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.67	85	7048	0.06	ppbv		99
3) Chlorodifluoromethane	3.60	51	8521	0.12	ppbv		94
4) Chloromethane	3.78	50	2284	0.06	ppbv	#	42
5) Vinyl Chloride	3.92	62	1896	0.02	ppbv	#	65
6) Bromomethane	4.17	94	1269	0.04	ppbv		97
7) Chloroethane	4.27	64	610	0.03	ppbv	#	43
8) Dichlorotetrafluoroethane	3.83	85	6054	0.06	ppbv		92
9) Propene	3.62	41	2615	0.08	ppbv		93
10) Heptane	9.39	43	4244	0.04	ppbv		96
11) Trichlorofluoromethane	4.73	101	6828	0.06	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	5.34	101	4177	0.05	ppbv		95
14) Bromoethene	4.49	108	1485	0.05	ppbv	#	93
15) Acetone	4.68	43	14962	0.20	ppbv	#	35
16) 1,3-Butadiene	4.00	39	1425	0.04	ppbv	#	80
17) tert-Butyl alcohol	5.23	59	1113	0.02	ppbv	#	71
18) 1,1-Dichloroethene	5.12	96	1618	0.05	ppbv	#	87
19) Isopropyl Alcohol	4.84	45	1326	0.04	ppbv	#	1
20) Methylene Chloride	5.18	84	3486	0.10	ppbv	#	79
21) Allyl Chloride	5.26	41	3275	0.06	ppbv	#	83
22) trans-1,2-Dichloroethene	5.80	96	2114	0.04	ppbv	#	62
23) Vinyl Acetate	6.04	43	7205	0.05	ppbv	#	80
24) 1,1-Dichloroethane	5.94	63	5244	0.05	ppbv	#	86
25) Ethyl Acetate	6.74	43	4858	0.03	ppbv	#	91
26) Hexane	6.70	57	3934	0.05	ppbv		97
27) Carbon Disulfide	5.42	76	3488	0.04	ppbv	#	1
28) Methyl tert-Butyl Ether	6.03	73	5643	0.04	ppbv		95
29) Chloroform	6.78	83	6174	0.05	ppbv		91
30) Cyclohexane	8.34	84	5672	0.07	ppbv	#	1
31) cis-1,2-Dichloroethene	6.54	61	3248	0.05	ppbv		93
32) 1,1,1-Trichloroethane	7.63	97	5588	0.02	ppbv		98
34) 2-Butanone	6.28	43	6834	0.07	ppbv		99
35) Carbon Tetrachloride	8.20	117	4979	0.02	ppbv		98
36) Benzene	8.06	78	9330	0.06	ppbv		96
37) 1,2-Dichloroethane	7.42	62	4253	0.05	ppbv	#	78
38) Trichloroethene	9.10	130	3994	0.02	ppbv	#	82
39) 1,2-Dichloropropane	8.86	63	3729	0.06	ppbv	#	85
41) Tetrahydrofuran	7.23	42	2201	0.04	ppbv	#	57
42) Bromodichloromethane	9.06	83	3163	0.03	ppbv	#	97
43) Methyl Methacrylate	9.32	69	739	0.01	ppbv	#	1
44) 2,2,4-Trimethylpentane	9.13	57	12927	0.05	ppbv		98
45) t-1,3-Dichloropropene	10.70	75	1376	0.02	ppbv	#	69

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102915\
Data File : VL026265.D
Acq On : 29 Oct 2015 12:35
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Oct 29 13:59:14 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 13:56:09 2015
QLast Update : Thu Oct 29 13:56:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
46) cis-1,3-Dichloropropene	10.06	75	3192	0.03 ppbv	90
47) 1,1,2-Trichloroethane	10.92	97	3564	0.05 ppbv #	88
48) Dibromochloromethane	11.84	129	1517	0.01 ppbv #	10
49) Bromoform	14.86	173	1877	0.02 ppbv #	70
50) 4-Methyl-2-Pentanone	10.18	43	4927	0.04 ppbv	89
51) 2-Hexanone	11.70	43	3792	0.03 ppbv #	76
52) Tetrachloroethene	12.83	164	4089	0.02 ppbv #	87
53) Toluene	11.27	91	10183	0.05 ppbv	96
54) 1,2-Dibromoethane	12.18	107	4784	0.04 ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.83	131	3222	0.04 ppbv #	1
57) Chlorobenzene	13.85	112	10872	0.06 ppbv	95
58) Ethyl Benzene	14.46	91	13692	0.05 ppbv	97
59) m/p-Xylene	14.76	91	10610	0.04 ppbv #	100
60) o-Xylene	15.54	91	13889	0.06 ppbv	95
61) Styrene	15.37	104	3161	0.03 ppbv	91
62) Isopropylbenzene	16.60	105	14623	0.04 ppbv	94
63) 1,1,2,2-Tetrachloroethane	15.53	83	4997	0.01 ppbv #	47
64) n-propylbenzene	17.57	120	2912	0.03 ppbv #	61
65) tert-Butylbenzene	18.85	119	6346	0.02 ppbv #	1
66) Benzyl Chloride	19.16	91	1160	0.01 ppbv #	63
67) sec-Butylbenzene	19.46	105	16831	0.04 ppbv	95
69) p-Isopropyltoluene	19.84	119	12892	0.04 ppbv	95
70) n-Butylbenzene	20.82	91	11771	0.04 ppbv	93
71) 2-Chlorotoluene	17.47	91	9549	0.04 ppbv	96
72) 4-Ethyltoluene	17.87	105	9132	0.03 ppbv #	92
73) 1,3,5-Trimethylbenzene	18.04	105	10092	0.04 ppbv	100
74) 1,2,4-Trimethylbenzene	18.88	105	15128	0.05 ppbv #	78
75) 1,3-Dichlorobenzene	19.18	146	9413	0.05 ppbv	94
76) 1,4-Dichlorobenzene	19.32	146	4050	0.02 ppbv #	24
77) 1,2-Dichlorobenzene	20.07	146	3680	0.02 ppbv #	15
78) Hexachloro-1,3-Butadiene	24.71	225	4441	0.06 ppbv	98
79) Naphthalene	23.99	128	6361	0.03 ppbv #	83
81) 1,2,4-Trichlorobenzene	23.78	180	4071	0.04 ppbv #	92

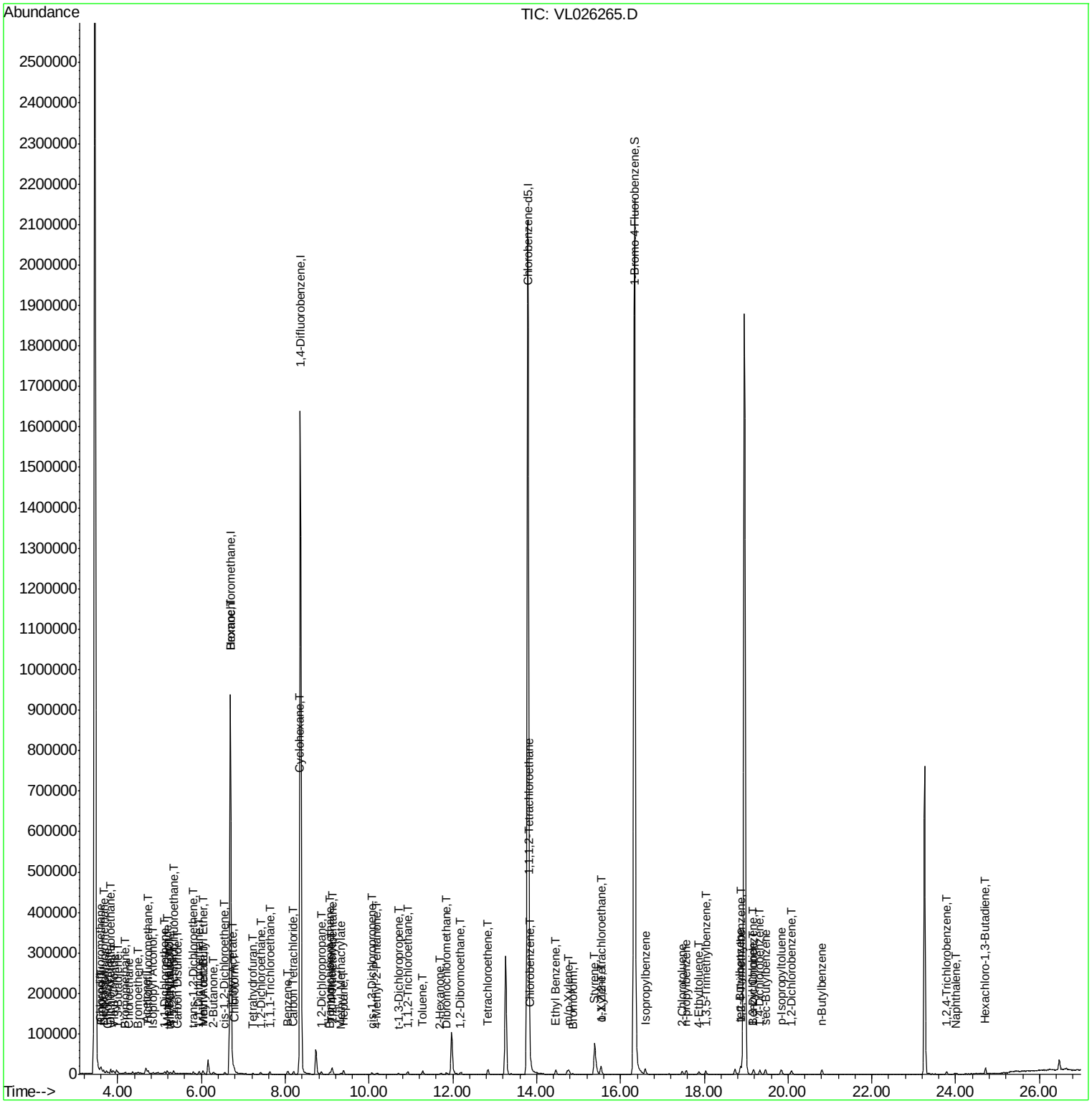
(#) = qualifier out of range (m) = manual integration (+) = signals summed

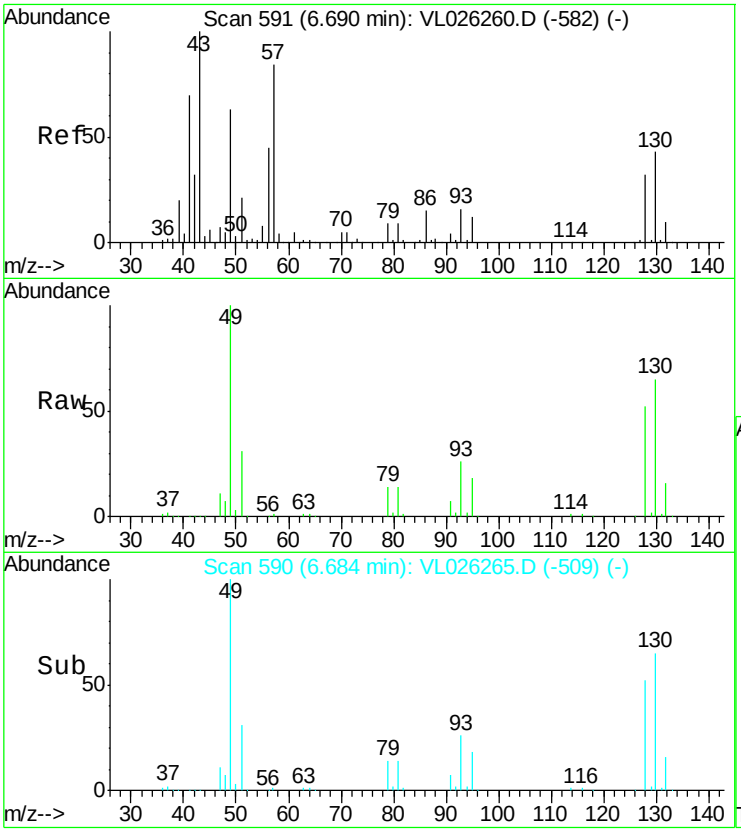
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102915\
Data File : VL026265.D
Acq On : 29 Oct 2015 12:35
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 29 13:59:14 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 29 13:56:09 2015
QLast Update : Thu Oct 29 13:56:09 2015
Response via : Initial Calibration



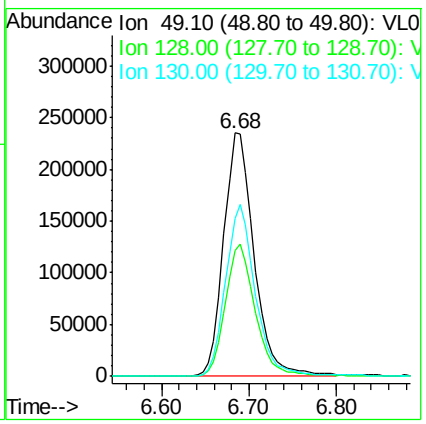


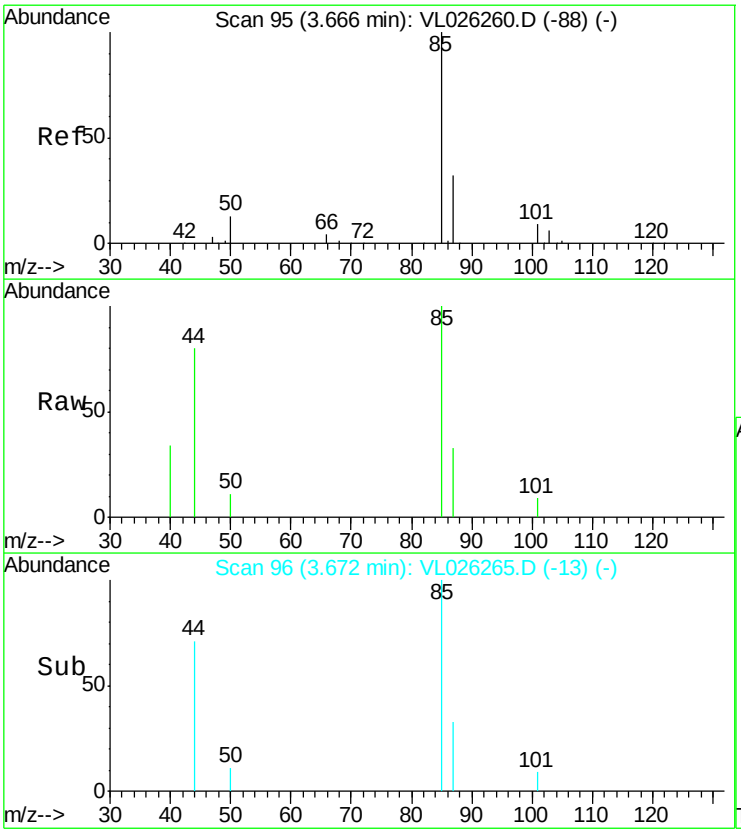
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.68 min Scan# 590
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 572206

Ion	Ratio	Lower	Upper
49	100		
128	53.9	26.7	80.1
130	69.4	34.4	103.2

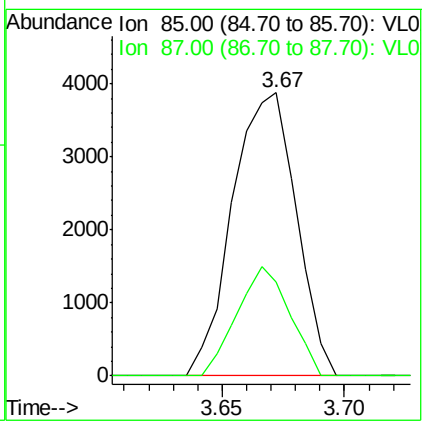


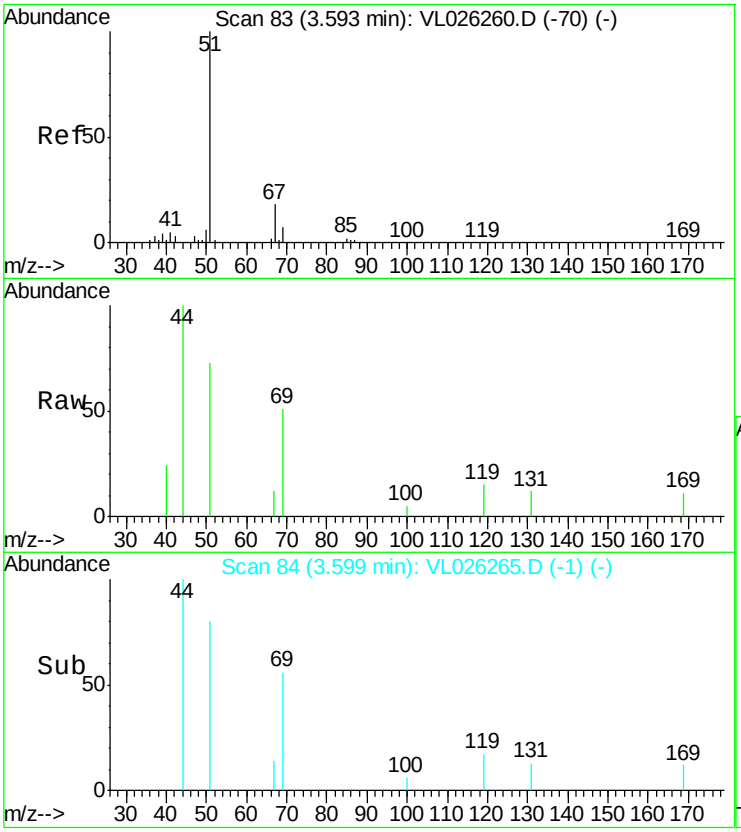


#2
Dichlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.67 min Scan# 96
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 85 Resp: 7048

Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.9	38.9

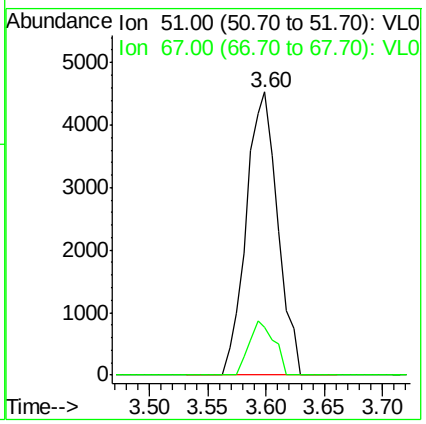




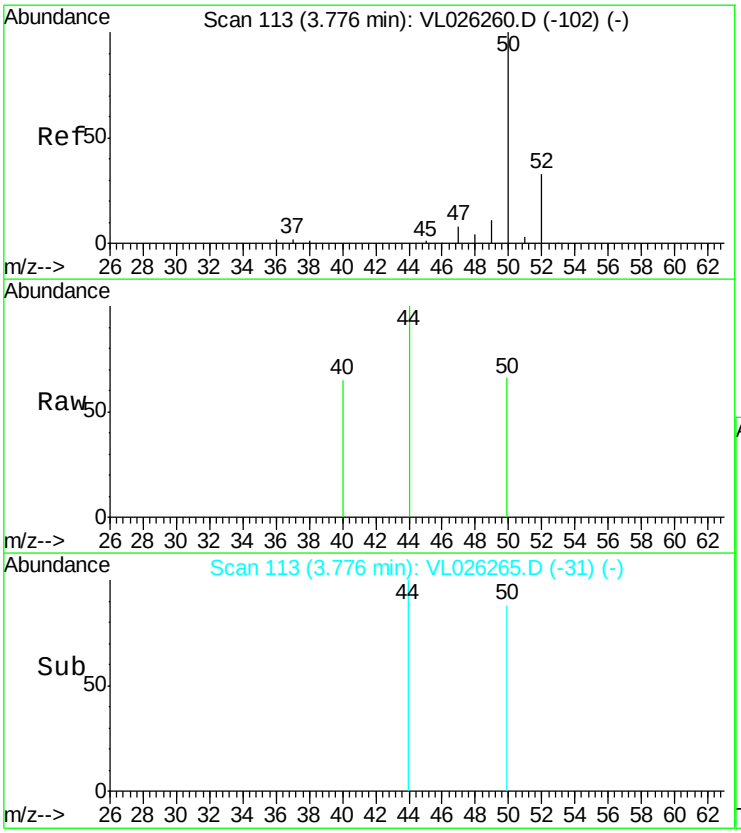
#3
Chlorodifluoromethane
Concen: 0.12 ppbv
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 51 Resp: 8521

Ion	Ratio	Lower	Upper
51	100		
67	15.3	14.5	21.7



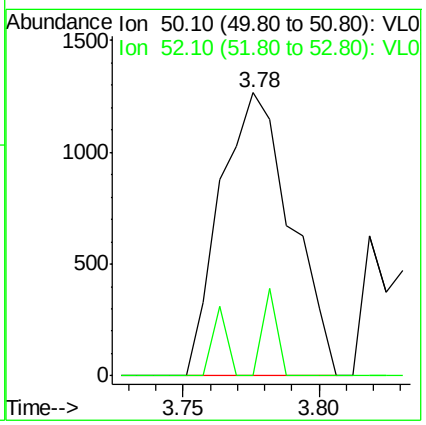
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

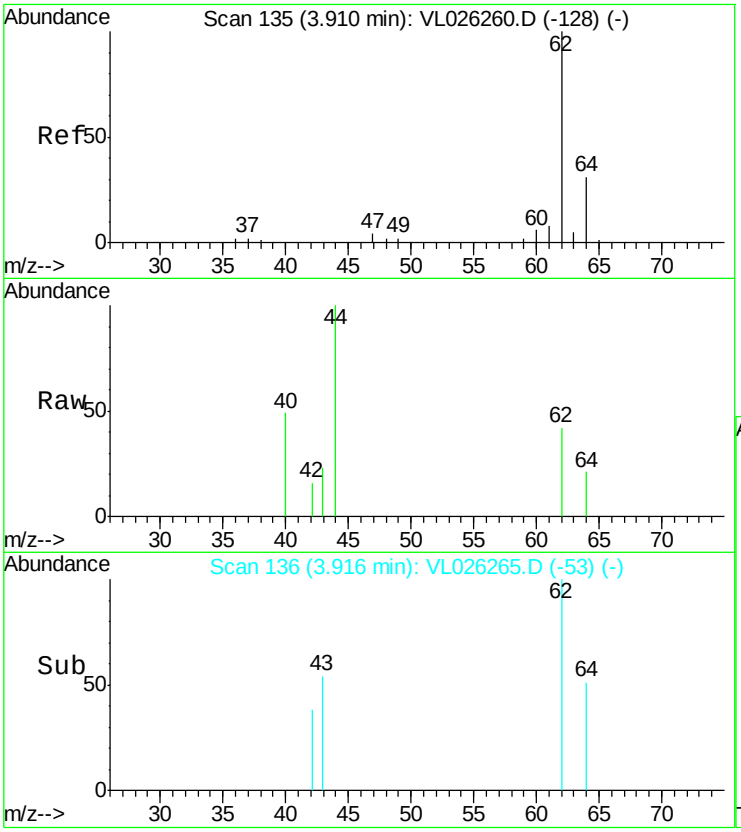


#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.78 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 50 Resp: 2284

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.1	39.1#



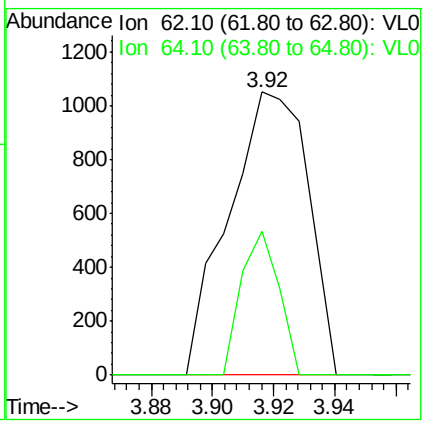


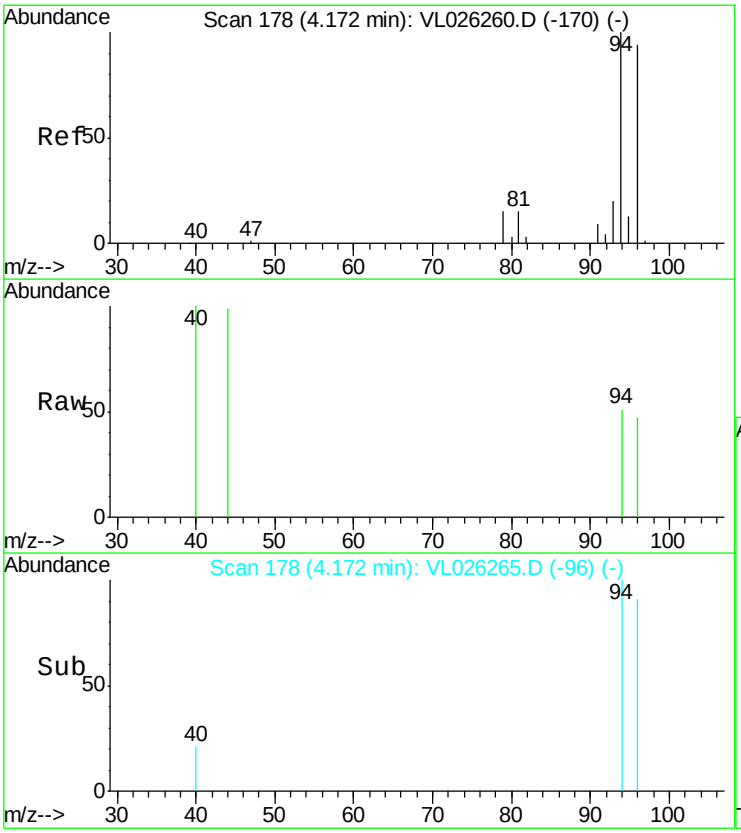
#5
Vinyl Chloride
Concen: 0.02 ppbv
RT: 3.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 62 Resp: 1896

Ion	Ratio	Lower	Upper
62	100		
64	50.6	24.9	37.3#

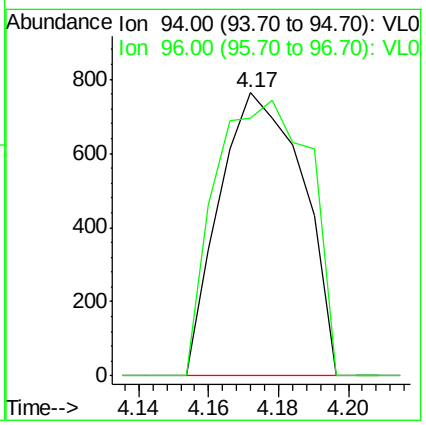


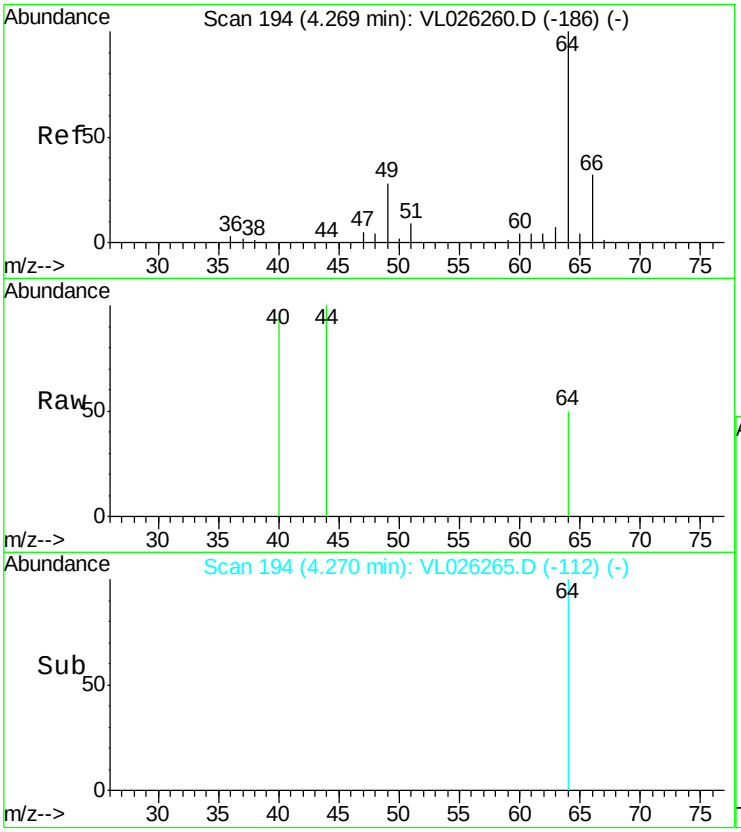


#6
Bromomethane
Concen: 0.04 ppbv
RT: 4.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 94 Resp: 1269

Ion	Ratio	Lower	Upper
94	100		
96	91.1	75.5	113.3



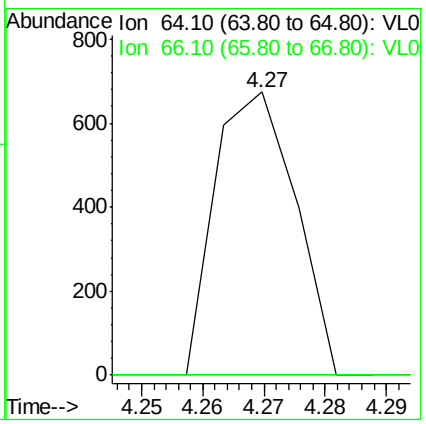


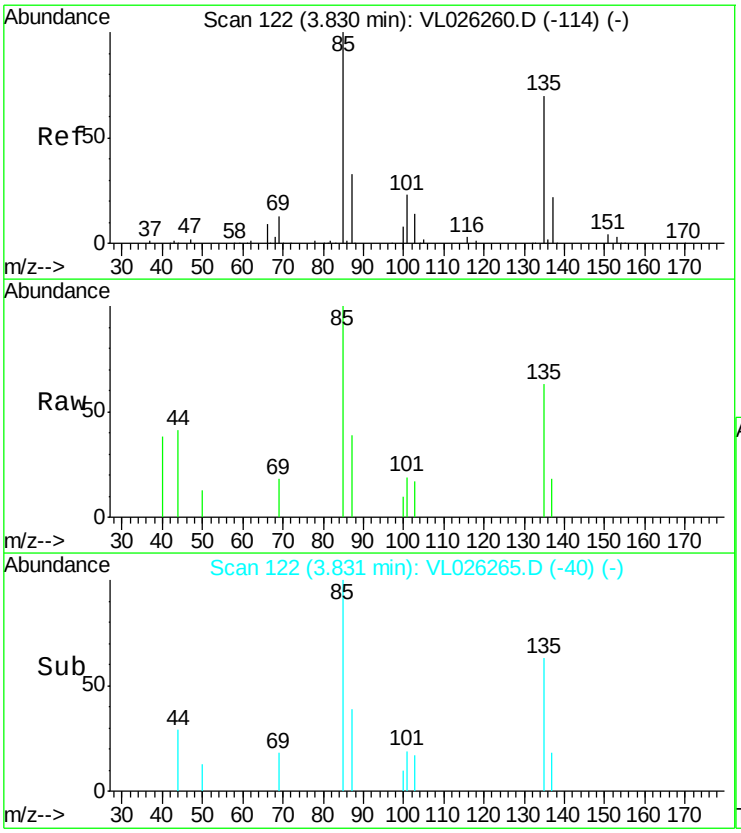
#7
Chloroethane
Concen: 0.03 ppbv
RT: 4.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 64 Resp: 610

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.2	37.8#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

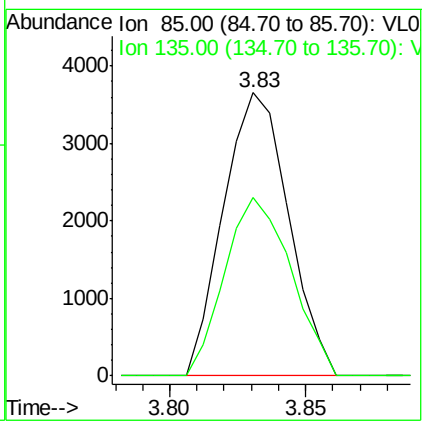


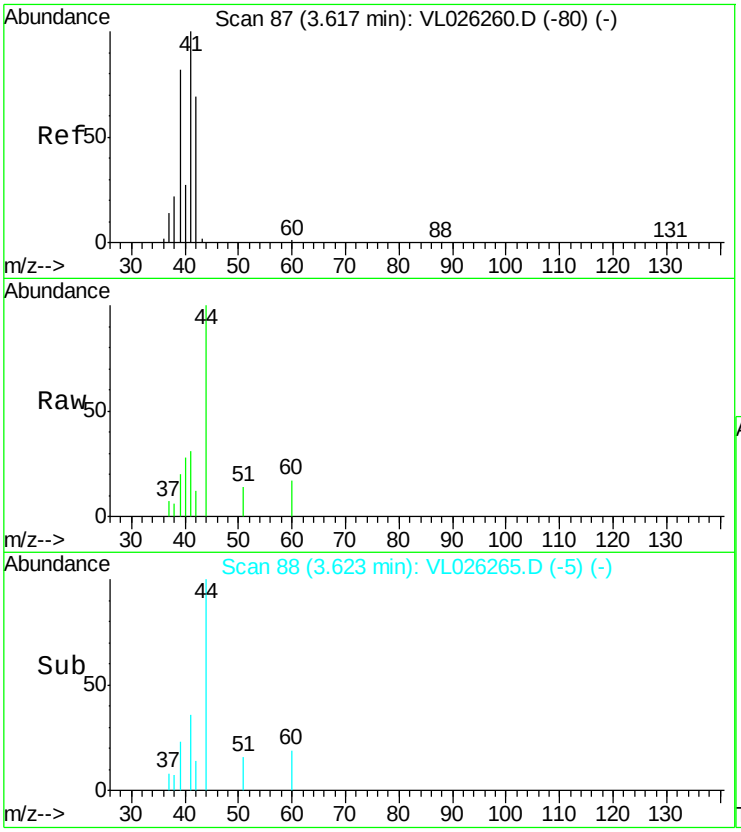


#8
Dichlorotetrafluoroethane
Concen: 0.06 ppbv
RT: 3.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 85 Resp: 6054

Ion	Ratio	Lower	Upper
85	100		
135	64.4	56.6	84.8



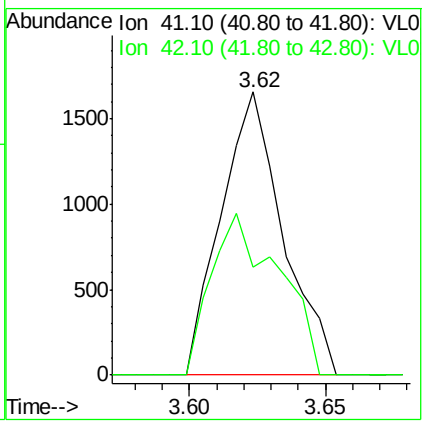


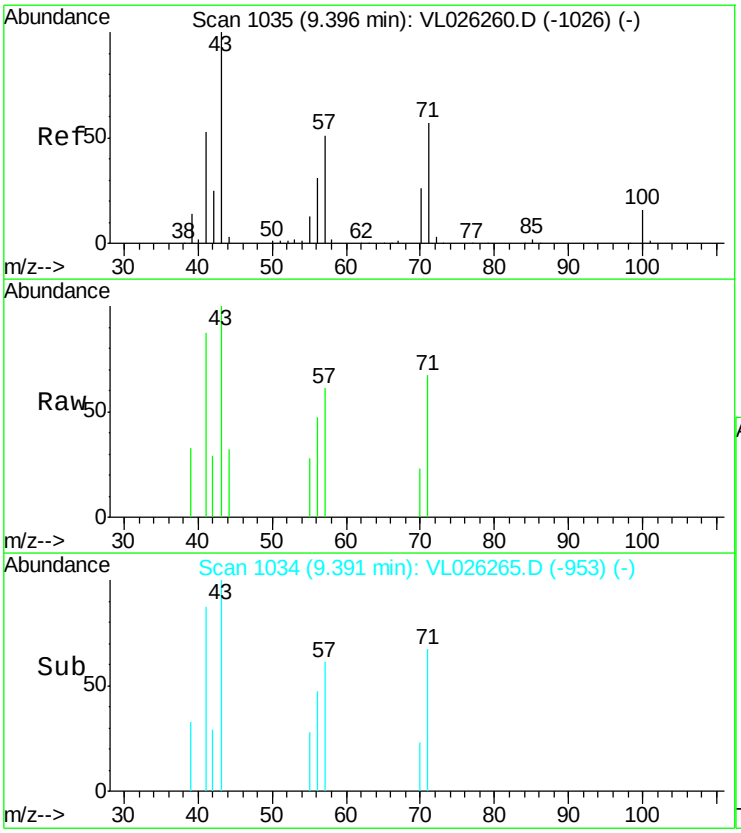
#9
Propene
Concen: 0.08 ppbv
RT: 3.62 min Scan# 88
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 2615

Ion	Ratio	Lower	Upper
41	100		
42	62.4	54.5	81.7

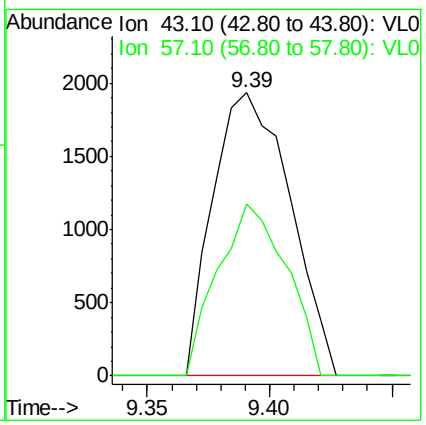


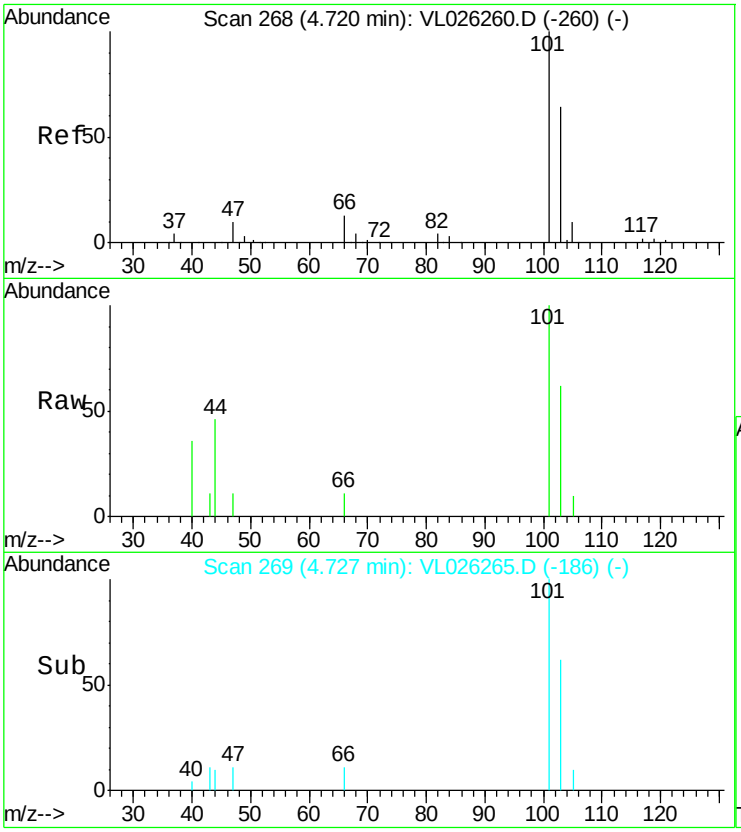


#10
Heptane
Concen: 0.04 ppbv
RT: 9.39 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 43 Resp: 4244

Ion	Ratio	Lower	Upper
43	100		
57	53.9	41.1	61.7



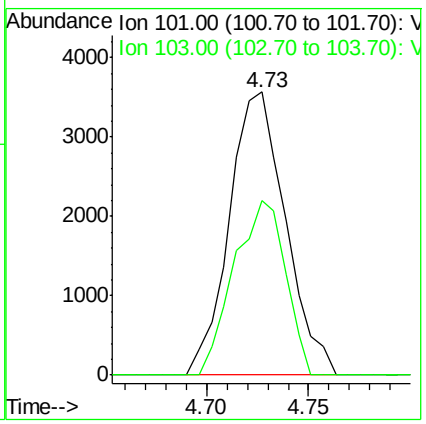


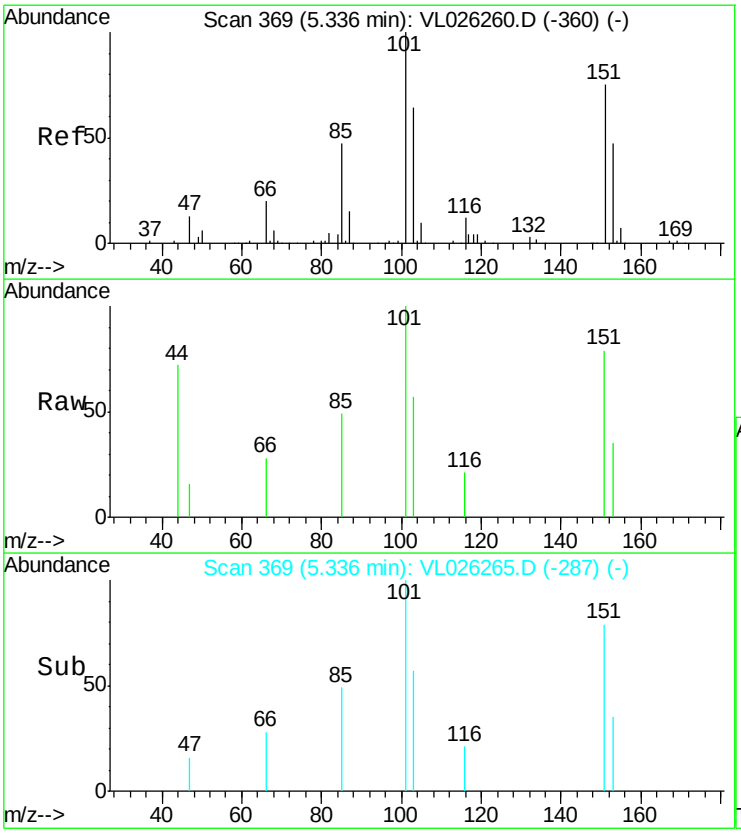
#11
Trichlorofluoromethane
Concen: 0.06 ppbv
RT: 4.73 min Scan# 269
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:101 Resp: 6828

Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.4	77.0

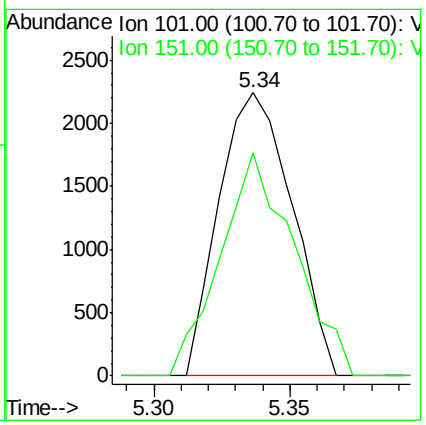


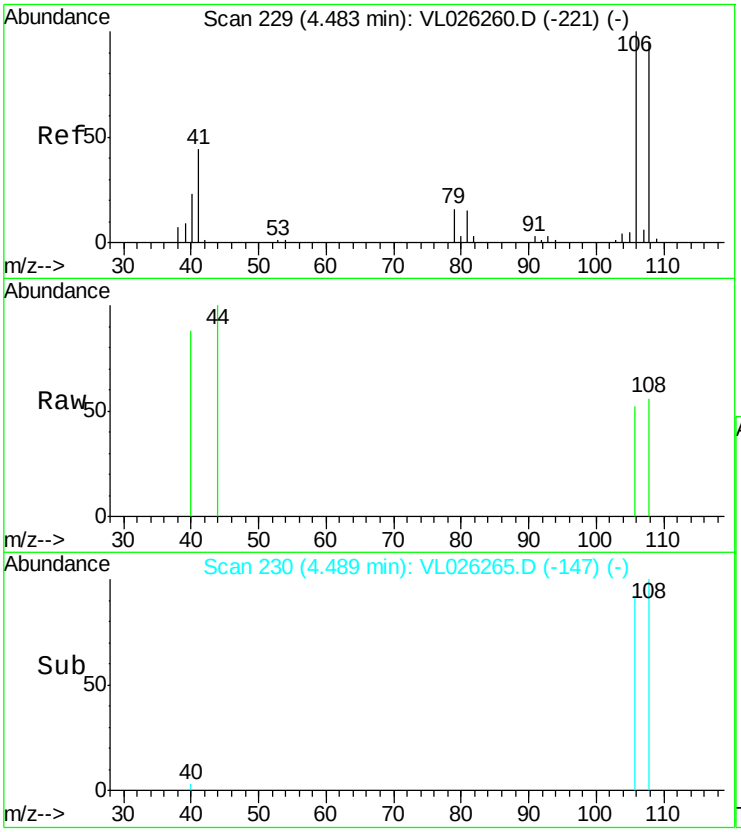


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 5.34 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:101 Resp: 4177

Ion	Ratio	Lower	Upper
101	100		
151	79.8	60.3	90.5



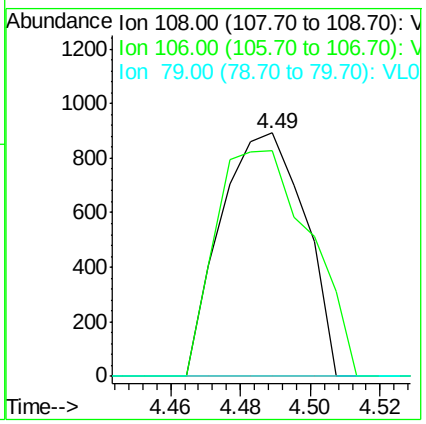


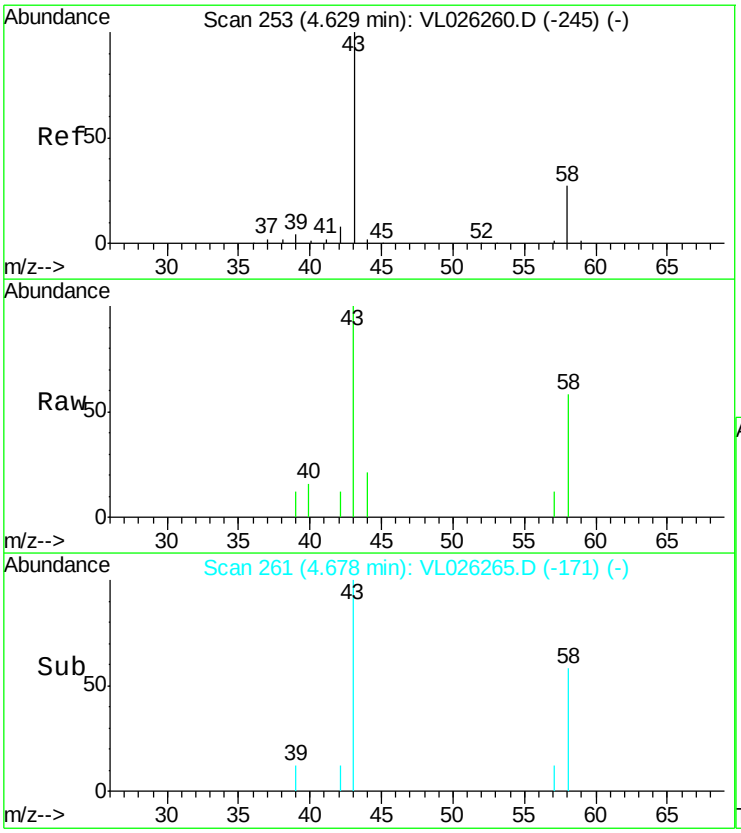
#14
Bromoethene
Concen: 0.05 ppbv
RT: 4.49 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:108 Resp: 1485

Ion	Ratio	Lower	Upper
108	100		
106	104.8	85.4	128.0
79	0.0	13.5	20.3#

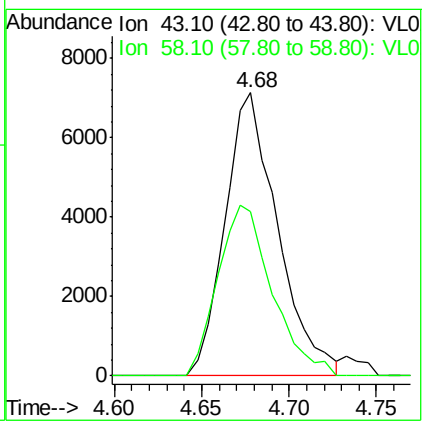


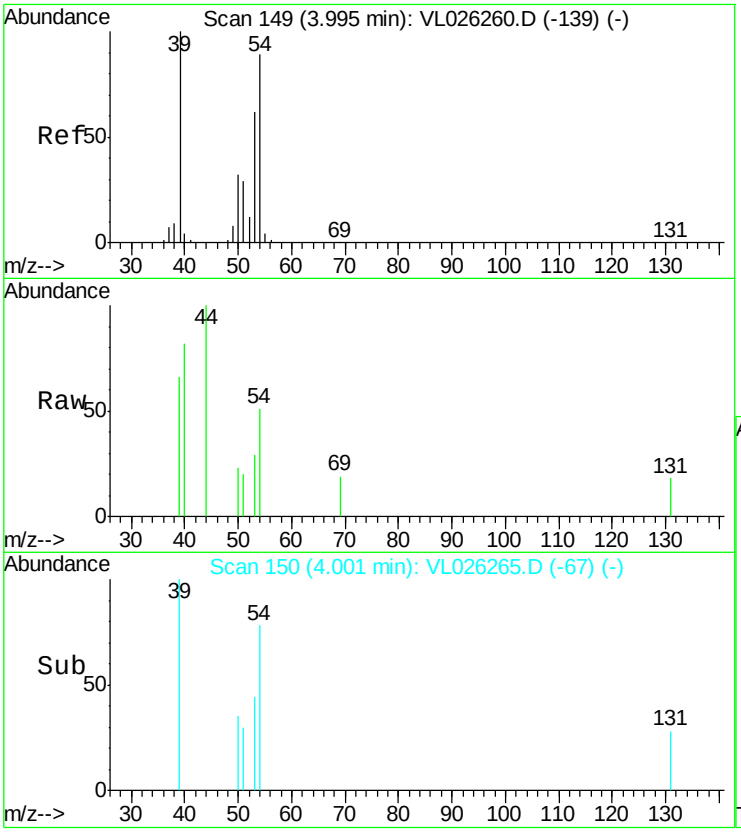


#15
Acetone
Concen: 0.20 ppbv
RT: 4.68 min Scan# 261
Delta R.T. 0.05 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 43 Resp: 14962

Ion	Ratio	Lower	Upper
43	100		
58	62.1	22.3	33.5#



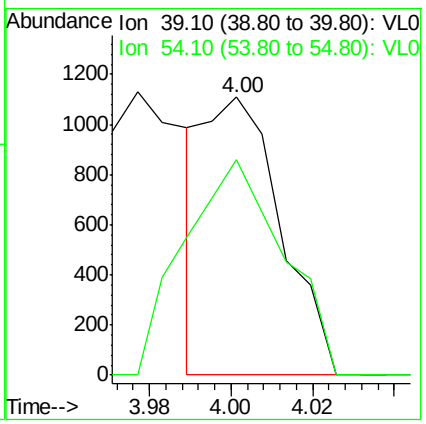


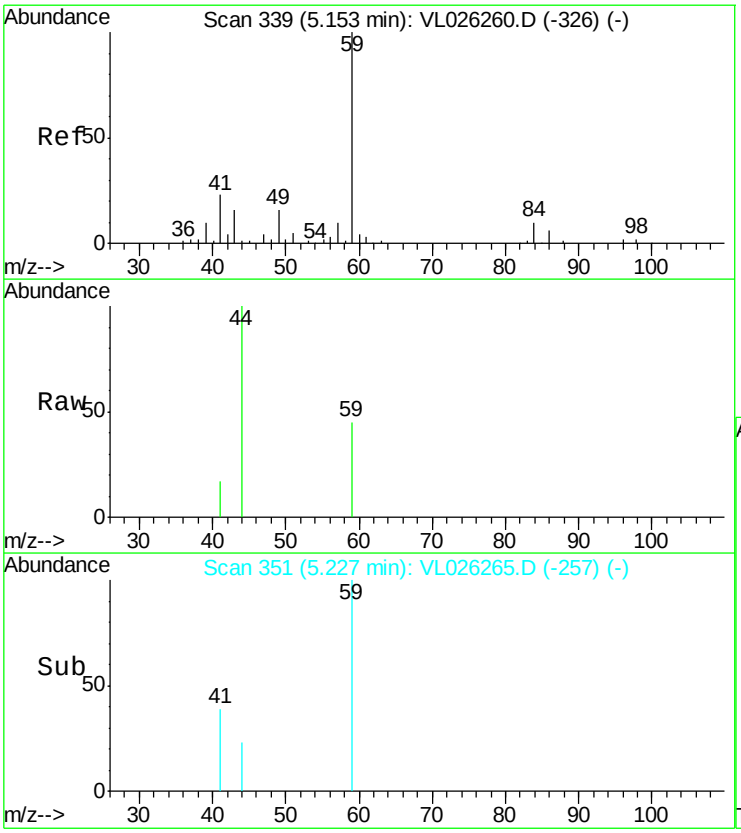
#16
1,3-Butadiene
Concen: 0.04 ppbv
RT: 4.00 min Scan# 150
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 39 Resp: 1425

Ion	Ratio	Lower	Upper
39	100		
54	102.5	67.3	100.9#

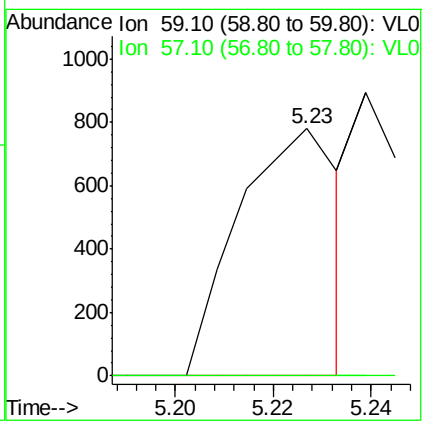


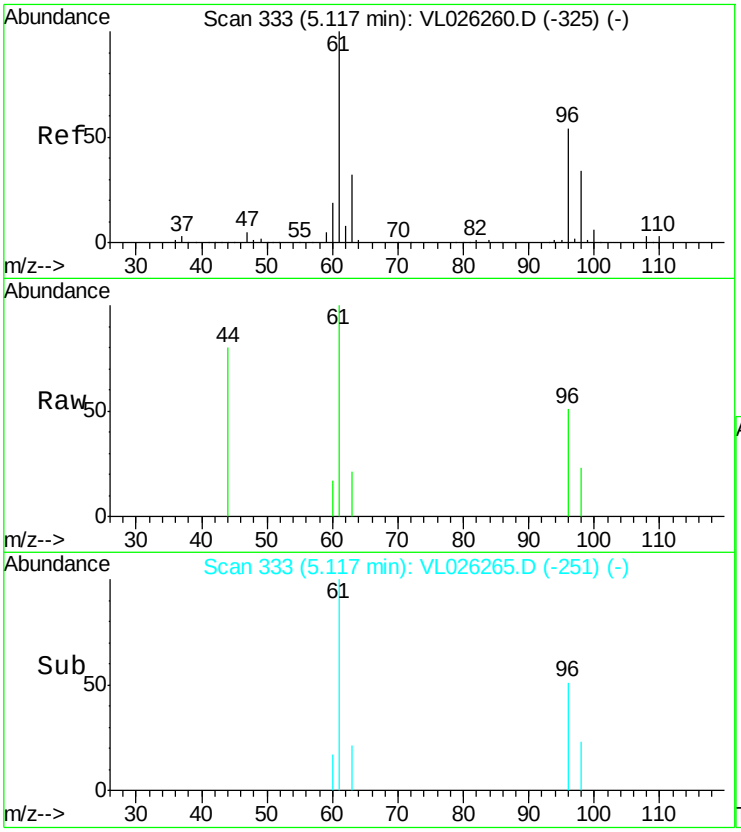


#17
tert-Butyl alcohol
Concen: 0.02 ppbv
RT: 5.23 min Scan# 351
Delta R.T. 0.07 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 59 Resp: 1113

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



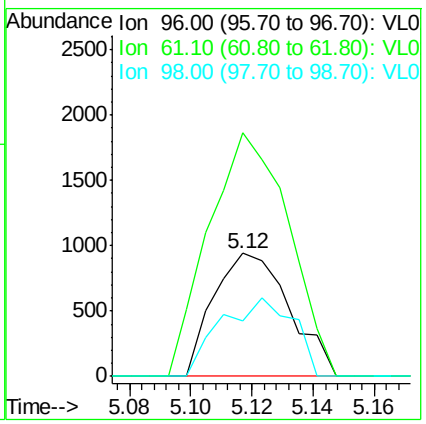


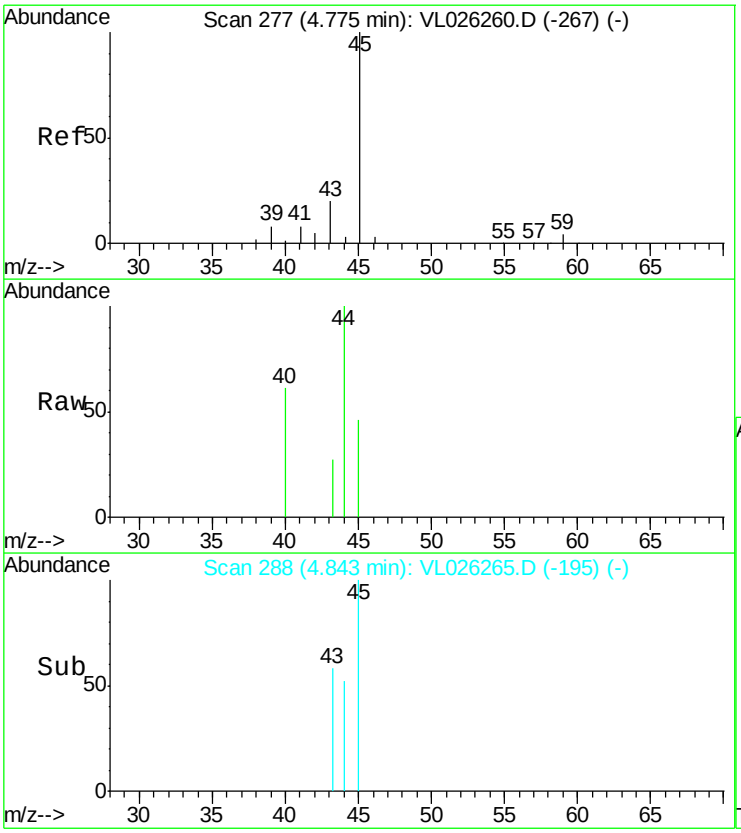
#18
1,1-Dichloroethene
Concen: 0.05 ppbv
RT: 5.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 96 Resp: 1618

Ion	Ratio	Lower	Upper
96	100		
61	197.7	147.0	220.4
98	45.0	50.1	75.1#

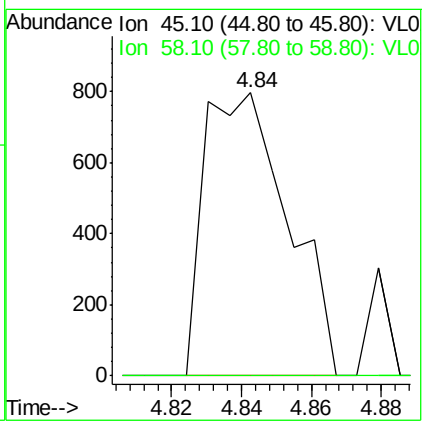


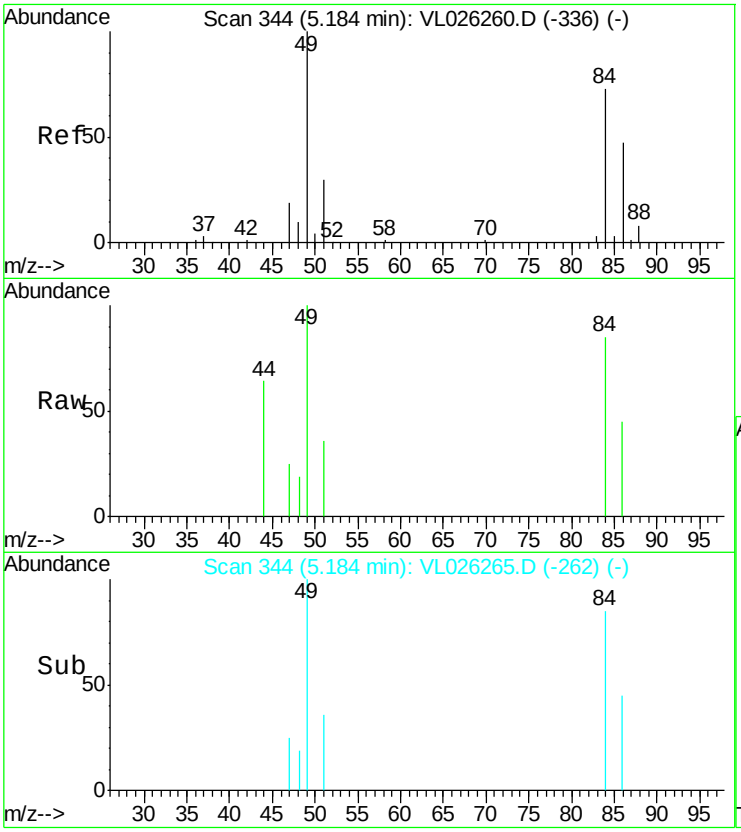


#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.84 min Scan# 288
Delta R.T. 0.07 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 45 Resp: 1326

Ion	Ratio	Lower	Upper
45	100		
58	701.1	43.8	65.8#



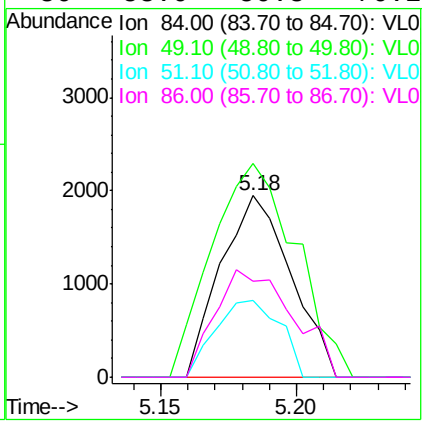


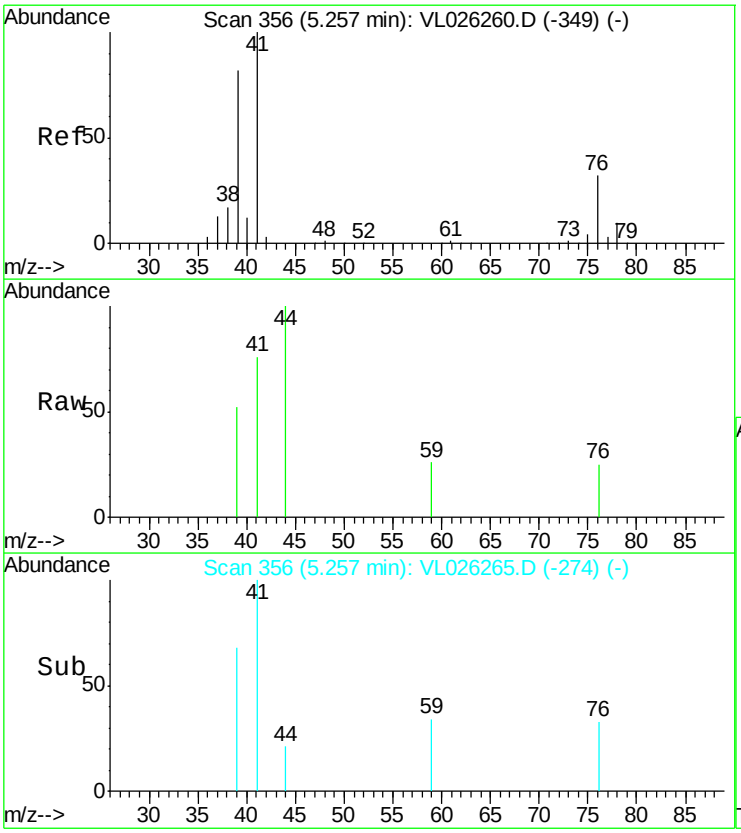
#20
Methylene Chloride
Concen: 0.10 ppbv
RT: 5.18 min Scan# 344
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 84 Resp: 3486

Ion	Ratio	Lower	Upper
84	100		
49	99.2	109.0	163.4#
51	42.4	32.8	49.2
86	53.0	50.8	76.2

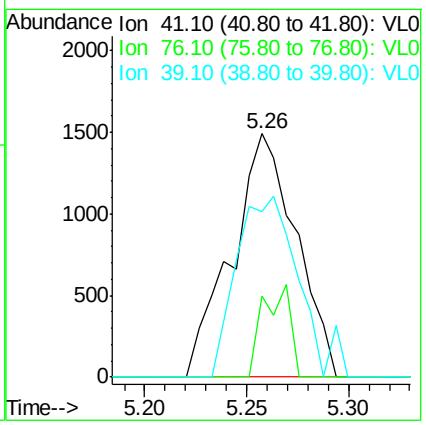


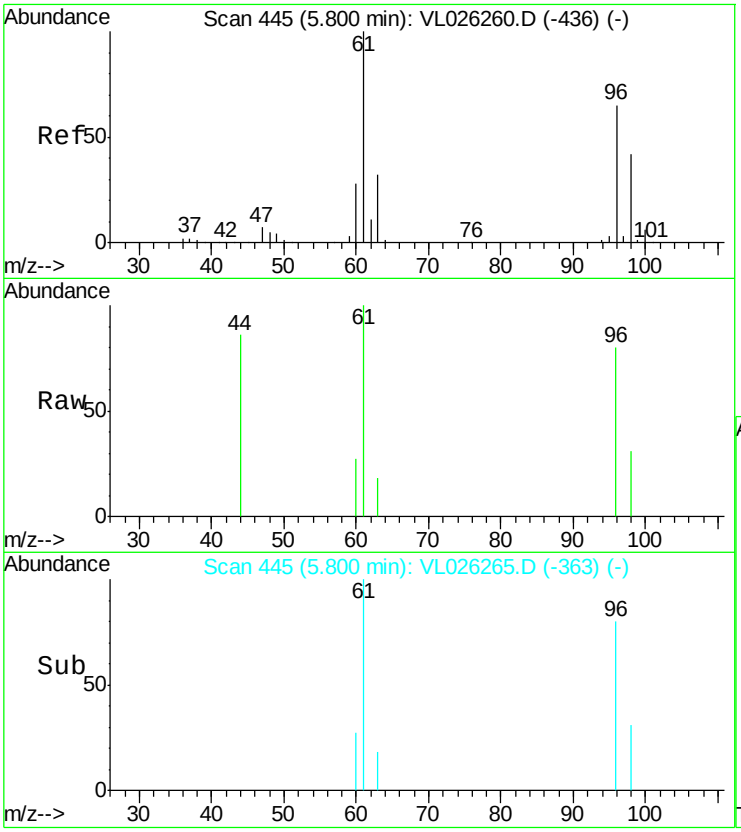


#21
Allyl Chloride
Concen: 0.06 ppbv
RT: 5.26 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 41 Resp: 3275

Ion	Ratio	Lower	Upper
41	100		
76	16.2	25.9	38.9#
39	71.7	65.8	98.6



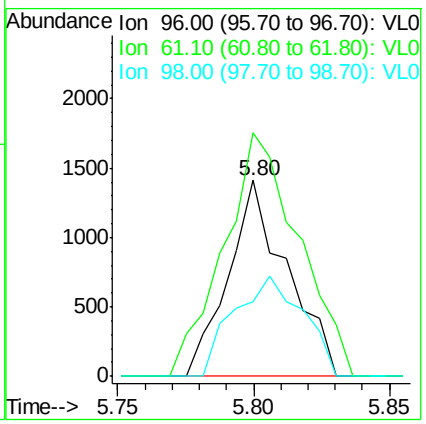


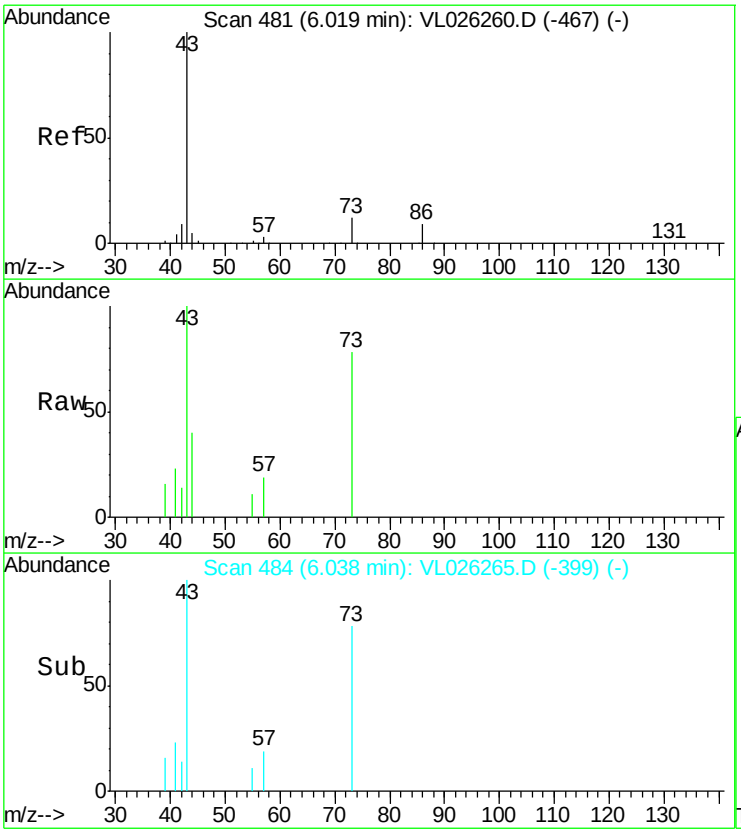
#22
trans-1,2-Dichloroethene
Concen: 0.04 ppbv
RT: 5.80 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 96 Resp: 2114

Ion	Ratio	Lower	Upper
96	100		
61	102.7	123.2	184.8#
98	38.1	51.4	77.0#

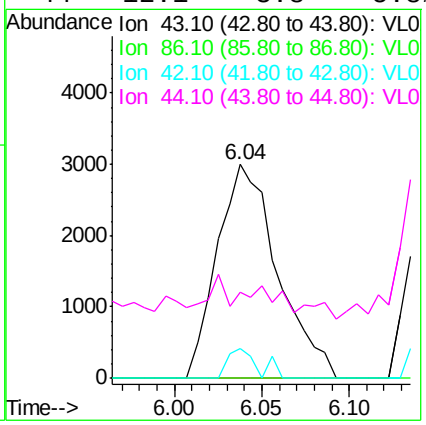


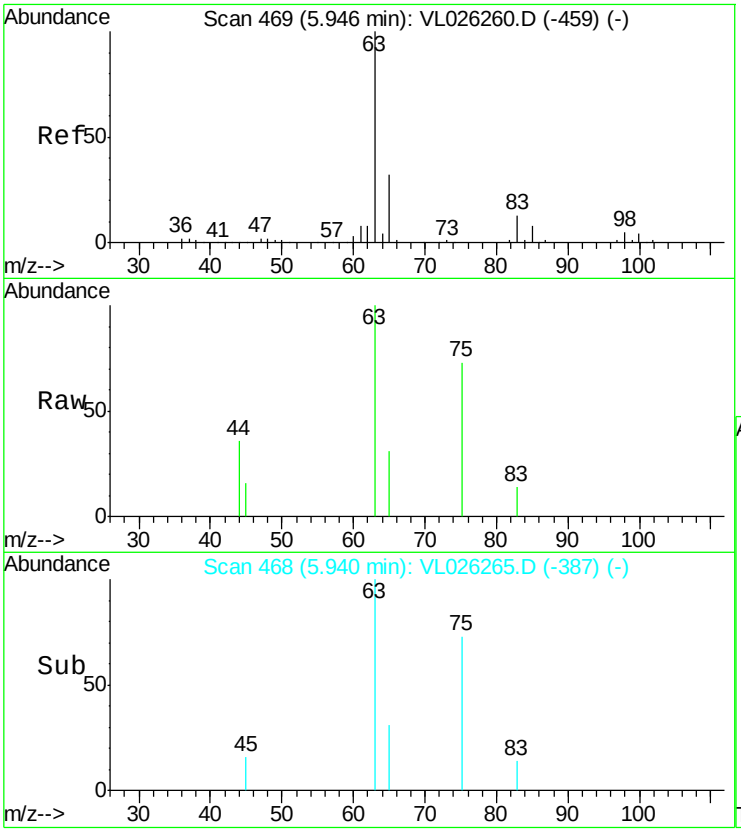


#23
Vinyl Acetate
Concen: 0.05 ppbv
RT: 6.04 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 43 Resp: 7205

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#
42	13.9	7.2	10.8#
44	12.1	3.8	5.8#



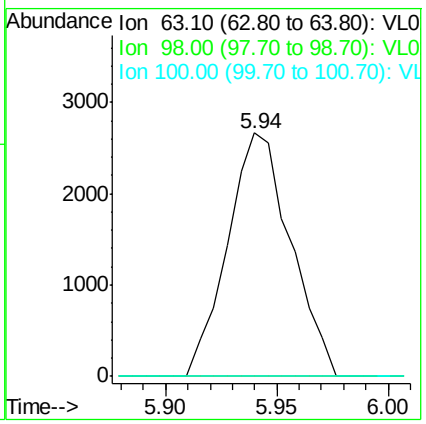


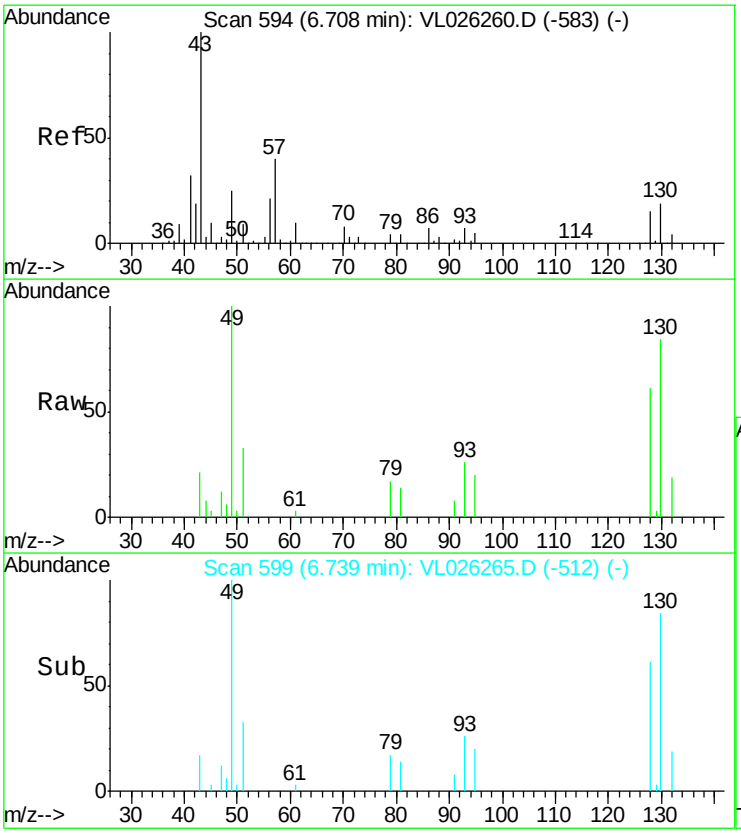
#24
1,1-Dichloroethane
Concen: 0.05 ppbv
RT: 5.94 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 63 Resp: 5244

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.7	8.1#
100	0.0	1.9	5.7#

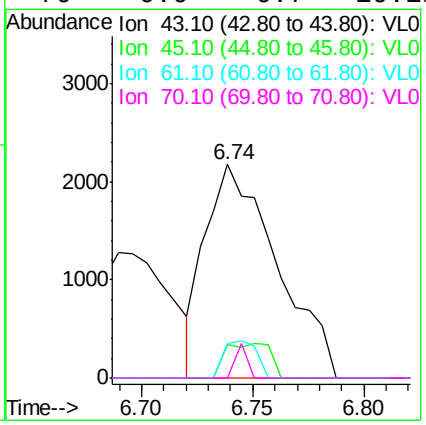


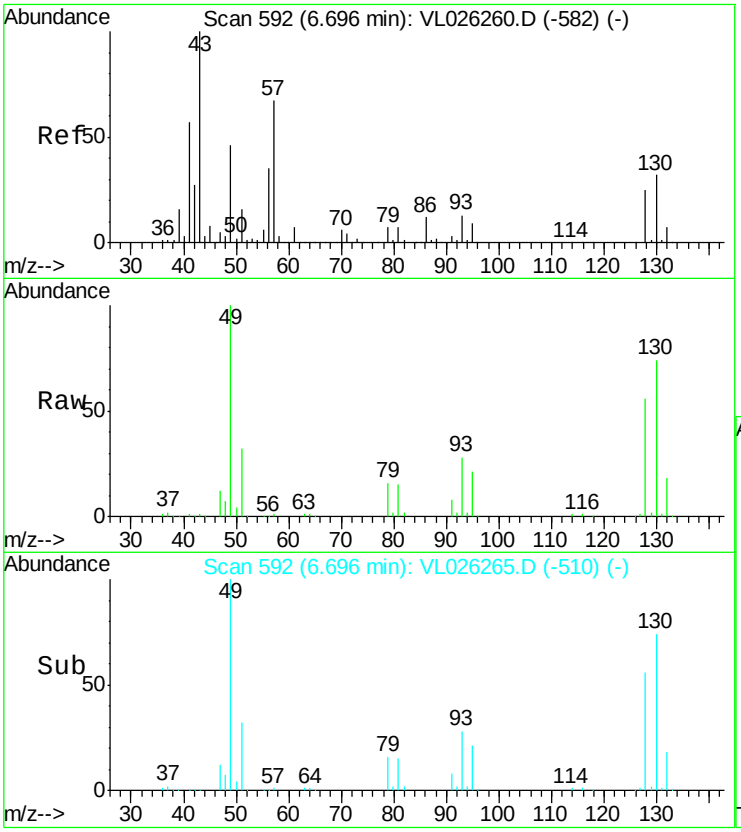


#25
Ethyl Acetate
Concen: 0.03 ppbv
RT: 6.74 min Scan# 599
Delta R.T. 0.03 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 43 Resp: 4858

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.6	11.4
61	8.0	7.4	11.2
70	0.0	6.7	10.1#



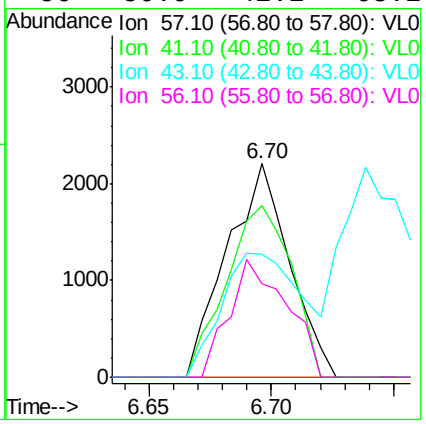


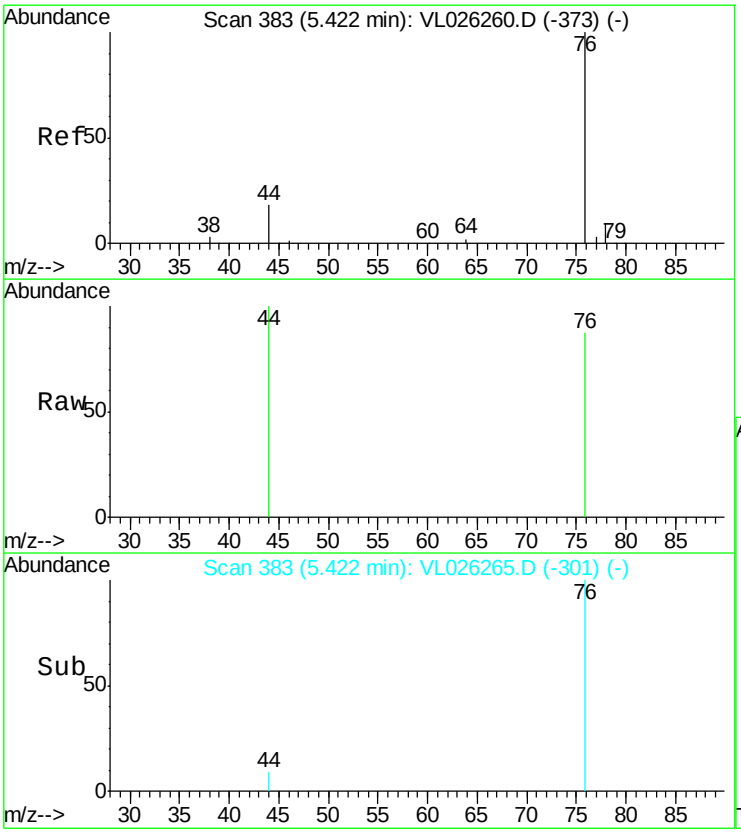
#26
Hexane
Concen: 0.05 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 57 Resp: 3934

Ion	Ratio	Lower	Upper
57	100		
41	83.5	67.4	101.2
43	198.5	163.9	245.9
56	50.9	42.2	63.2

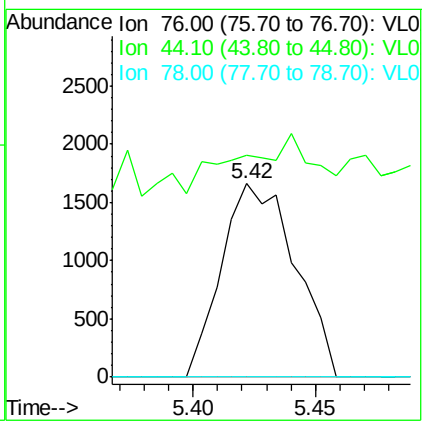


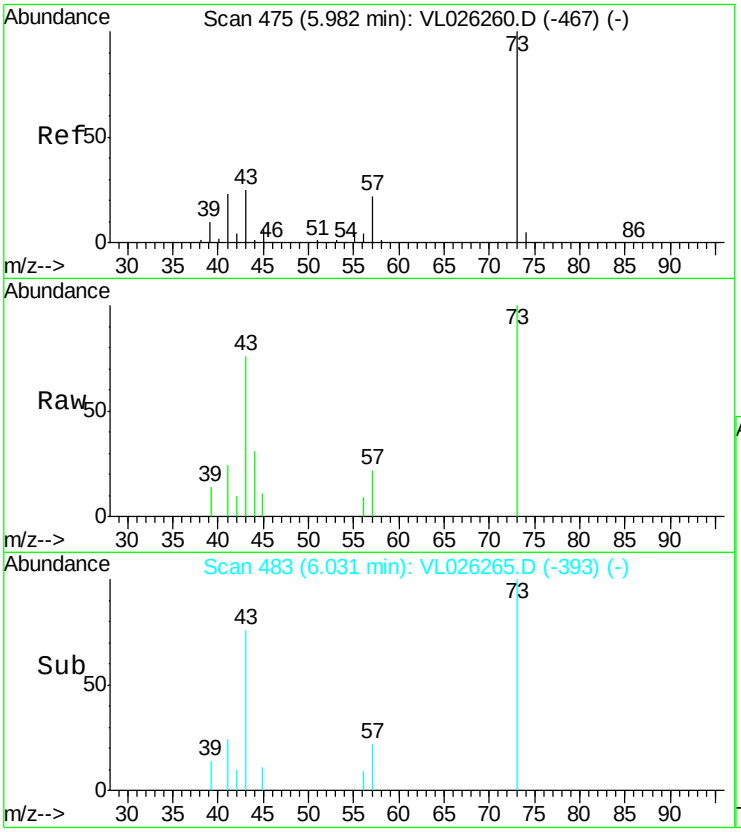


#27
Carbon Disulfide
Concen: 0.04 ppbv
RT: 5.42 min Scan# 383
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 76 Resp: 3488

Ion	Ratio	Lower	Upper
76	100		
44	185.1	14.1	21.1#
78	0.0	7.4	11.0#



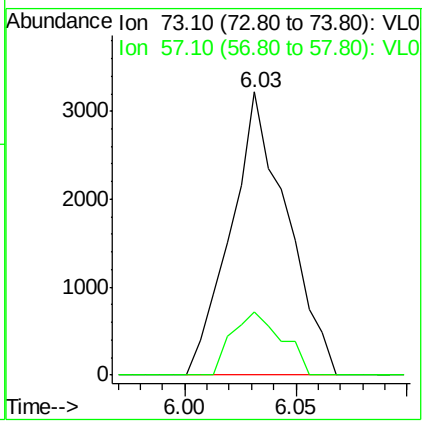


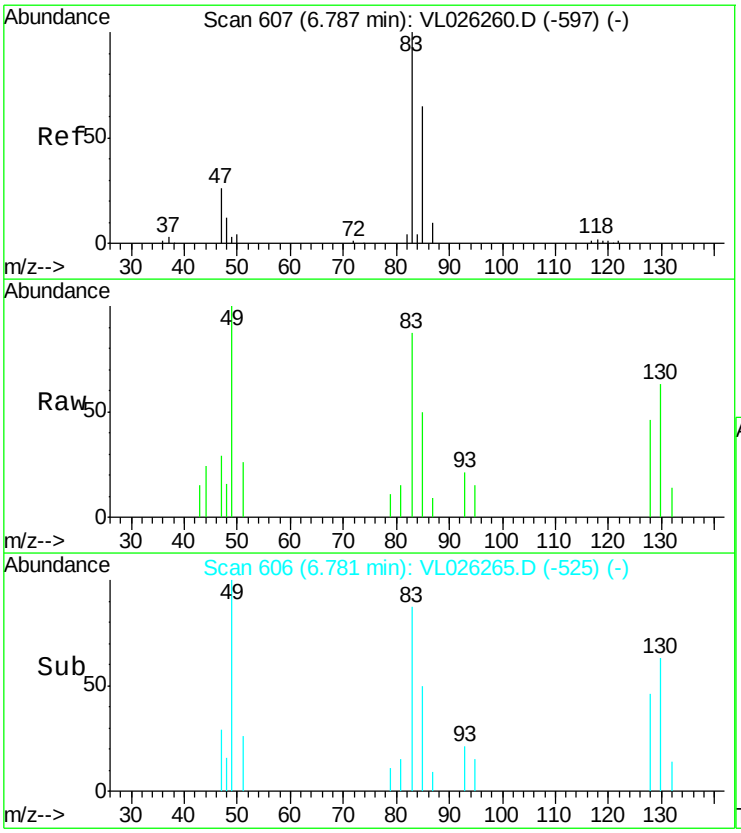
#28
Methyl tert-Butyl Ether
Concen: 0.04 ppbv
RT: 6.03 min Scan# 483
Delta R.T. 0.05 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 73 Resp: 5643

Ion	Ratio	Lower	Upper
73	100		
57	19.8	17.8	26.6

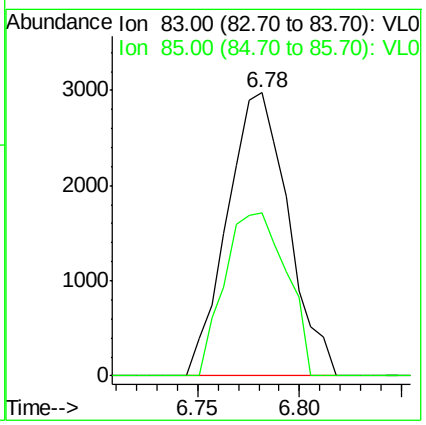


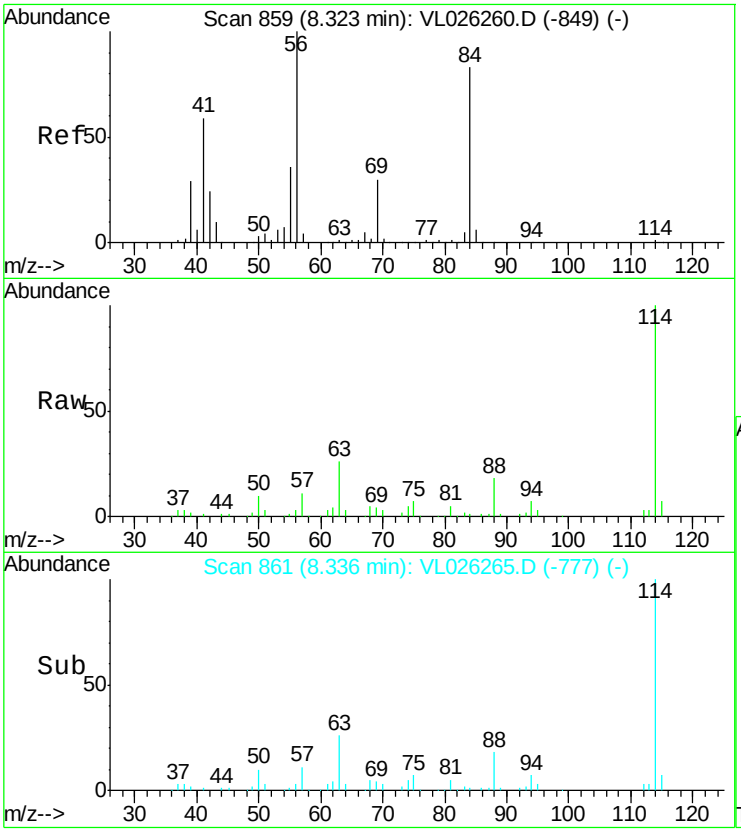


#29
Chloroform
Concen: 0.05 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 83 Resp: 6174

Ion	Ratio	Lower	Upper
83	100		
85	57.8	52.0	78.0



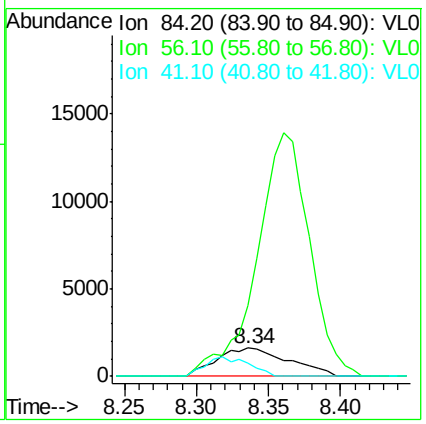


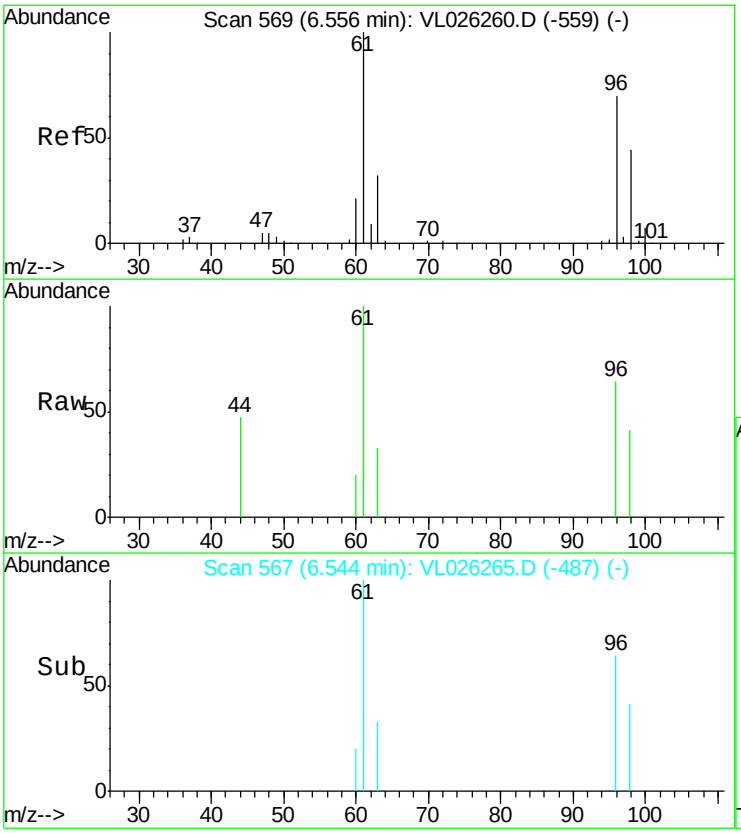
#30
Cyclohexane
Concen: 0.07 ppbv
RT: 8.34 min Scan# 861
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 84 Resp: 5672

Ion	Ratio	Lower	Upper
84	100		
56	624.1	99.6	149.4#
41	40.5	56.7	85.1#

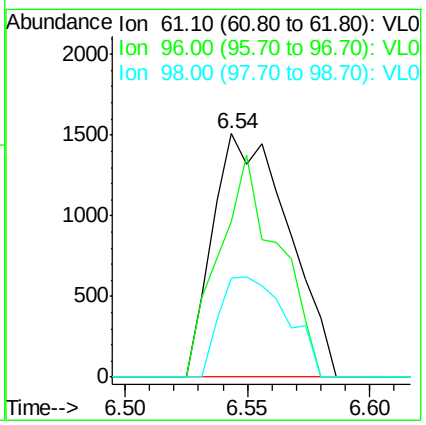


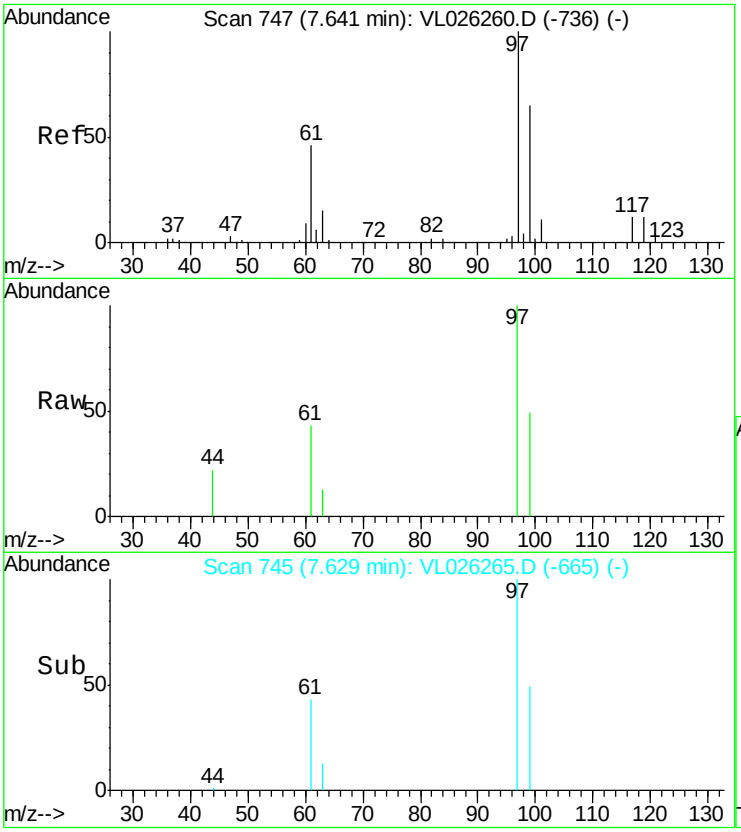


#31
cis-1,2-Dichloroethene
Concen: 0.05 ppbv
RT: 6.54 min Scan# 567
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 61 Resp: 3248

Ion	Ratio	Lower	Upper
61	100		
96	63.8	56.2	84.4
98	40.7	35.4	53.2



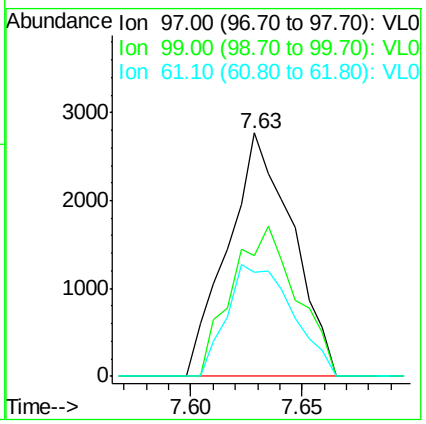


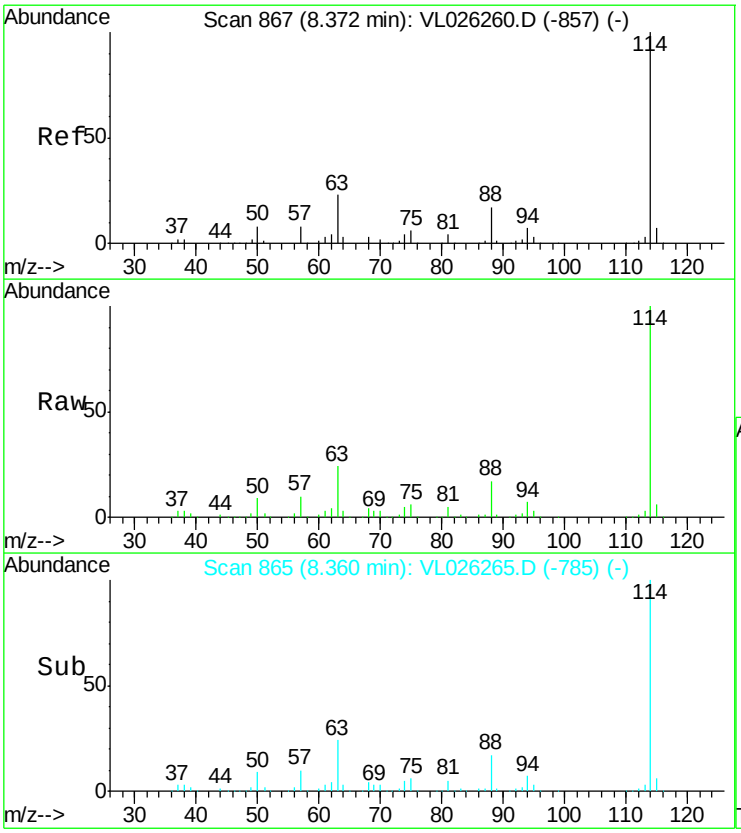
#32
1,1,1-Trichloroethane
Concen: 0.02 ppbv
RT: 7.63 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 97 Resp: 5588

Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.0	76.6
61	46.6	37.1	55.7

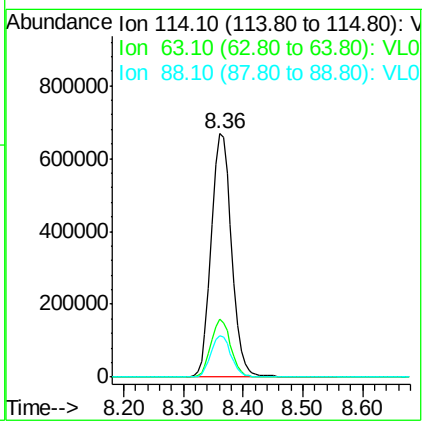


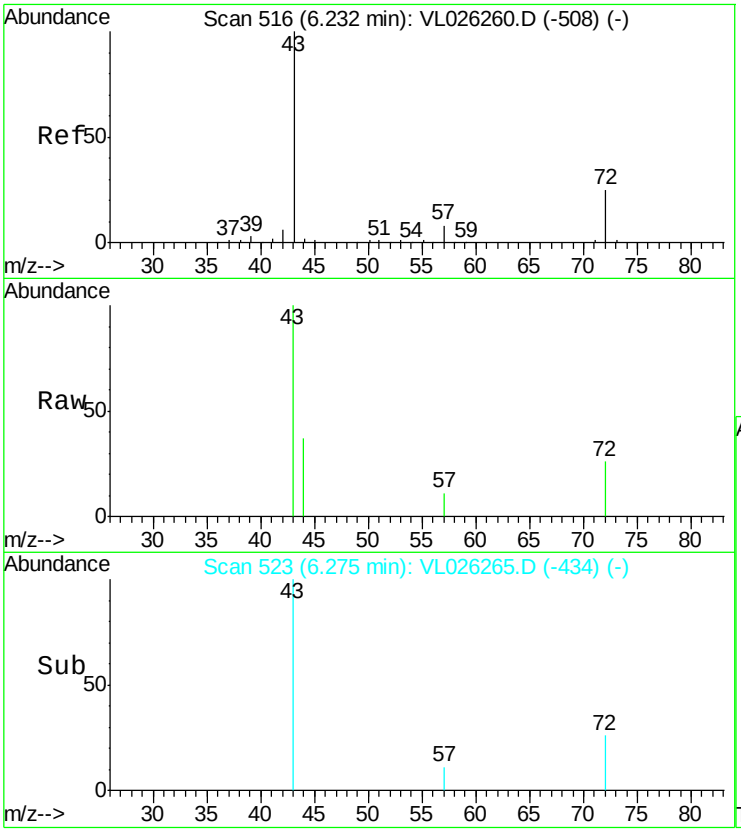


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.36 min Scan# 865
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:114 Resp: 1583146

Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.6	28.0
88	16.9	13.4	20.2



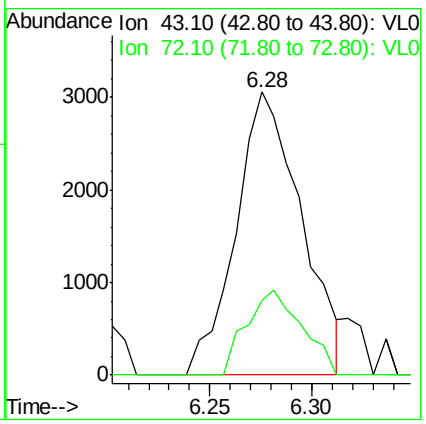


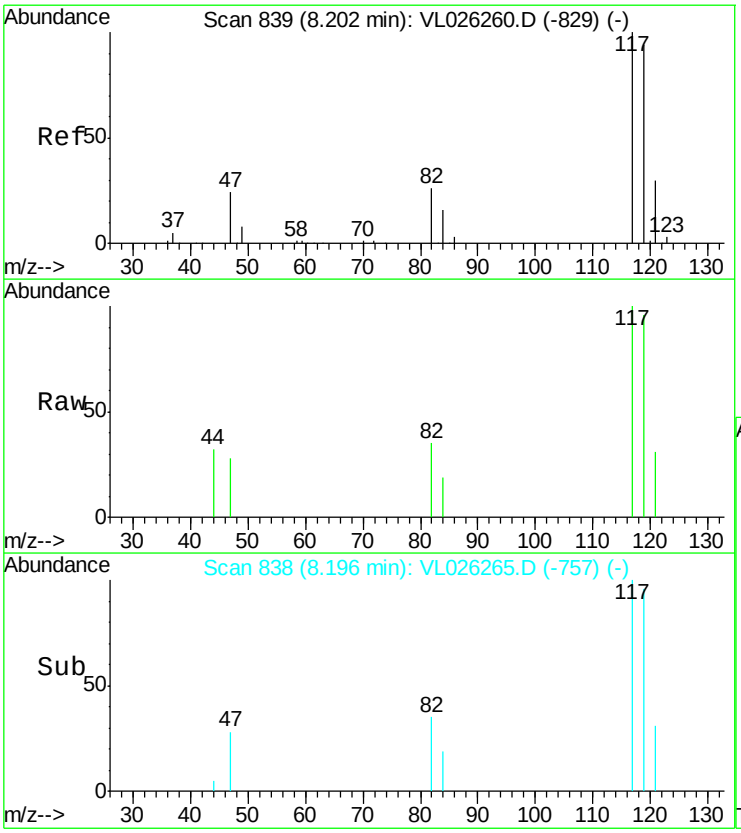
#34
2-Butanone
Concen: 0.07 ppbv
RT: 6.28 min Scan# 523
Delta R.T. 0.04 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 6834

Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.9	29.9

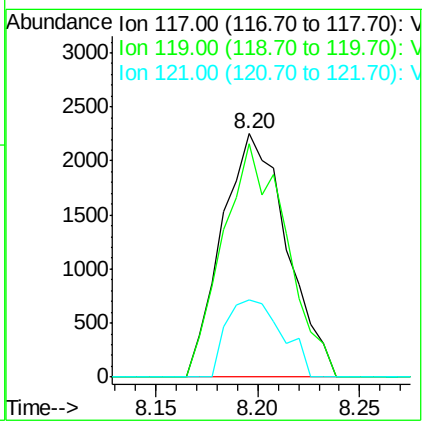


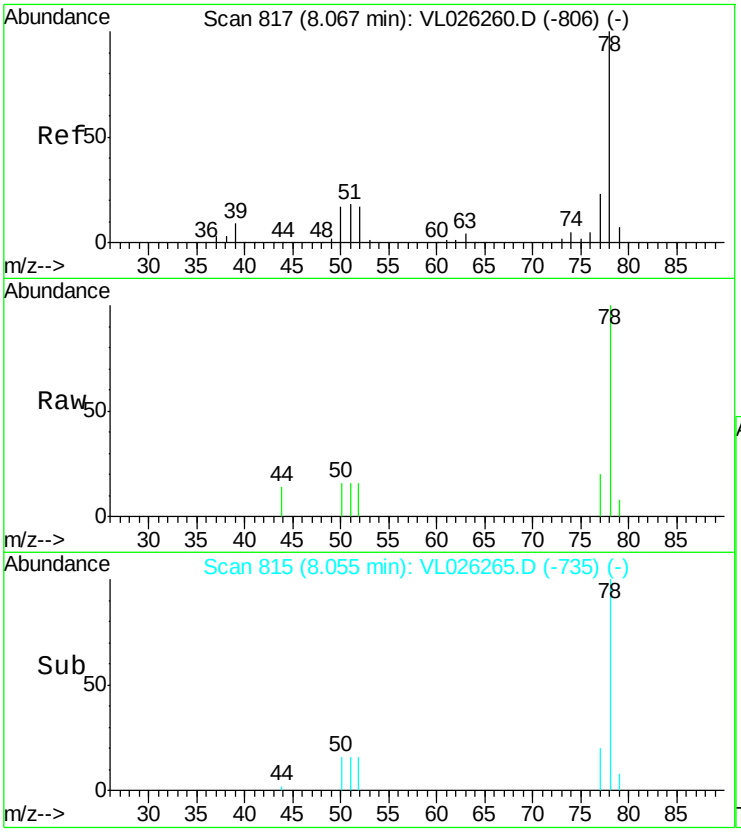


#35
Carbon Tetrachloride
Concen: 0.02 ppbv
RT: 8.20 min Scan# 838
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:117 Resp: 4979

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.5	24.2	36.2



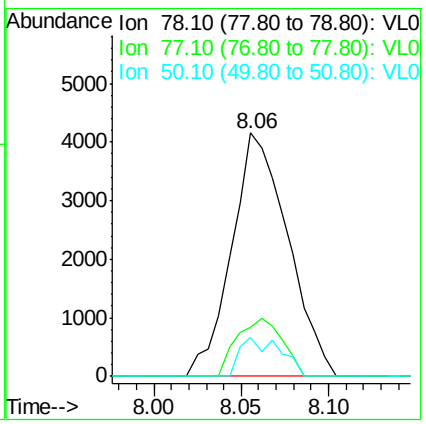


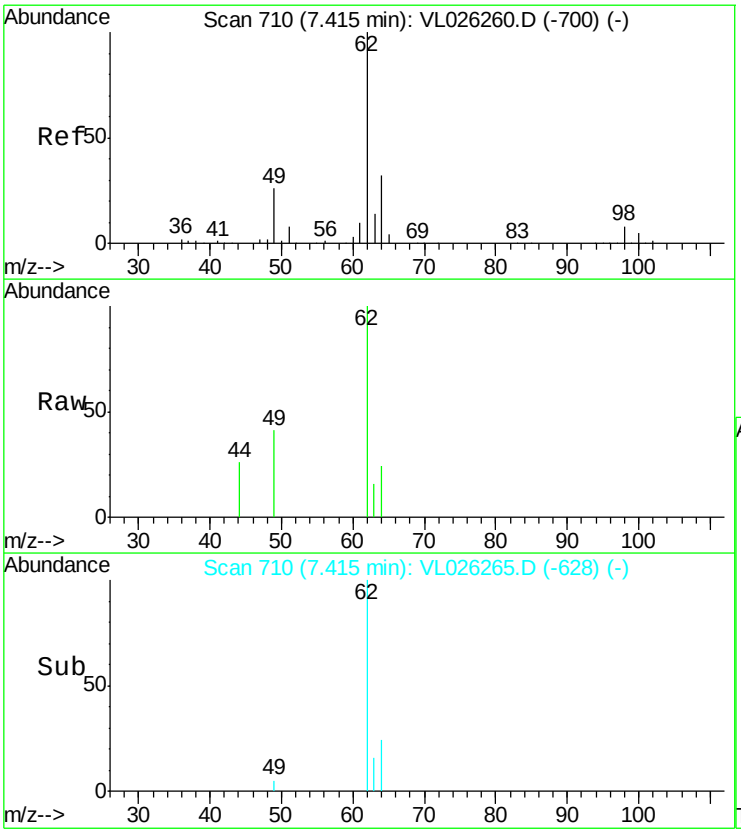
#36
Benzene
Concen: 0.06 ppbv
RT: 8.06 min Scan# 815
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 78 Resp: 9330

Ion	Ratio	Lower	Upper
78	100		
77	19.9	18.0	27.0
50	15.7	13.3	19.9

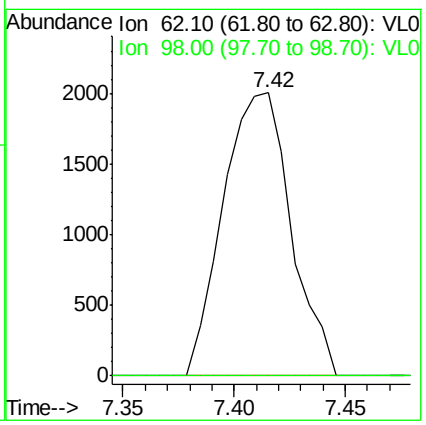


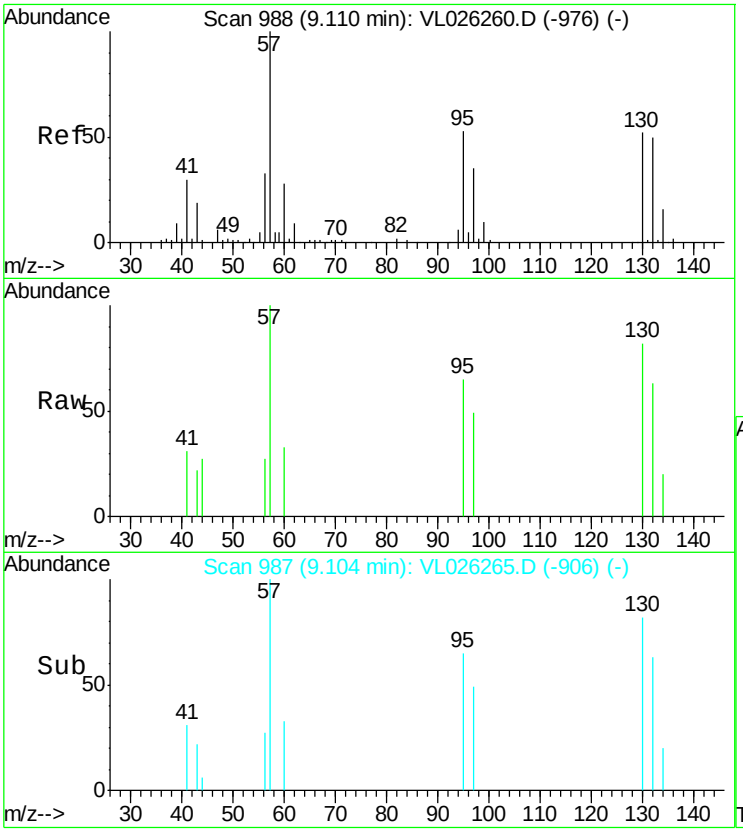


#37
1,2-Dichloroethane
Concen: 0.05 ppbv
RT: 7.42 min Scan# 710
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 62 Resp: 4253

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.3	9.5#



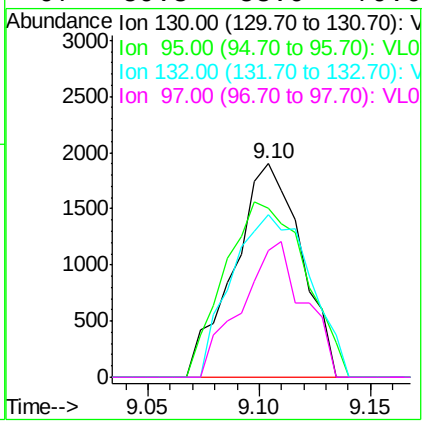


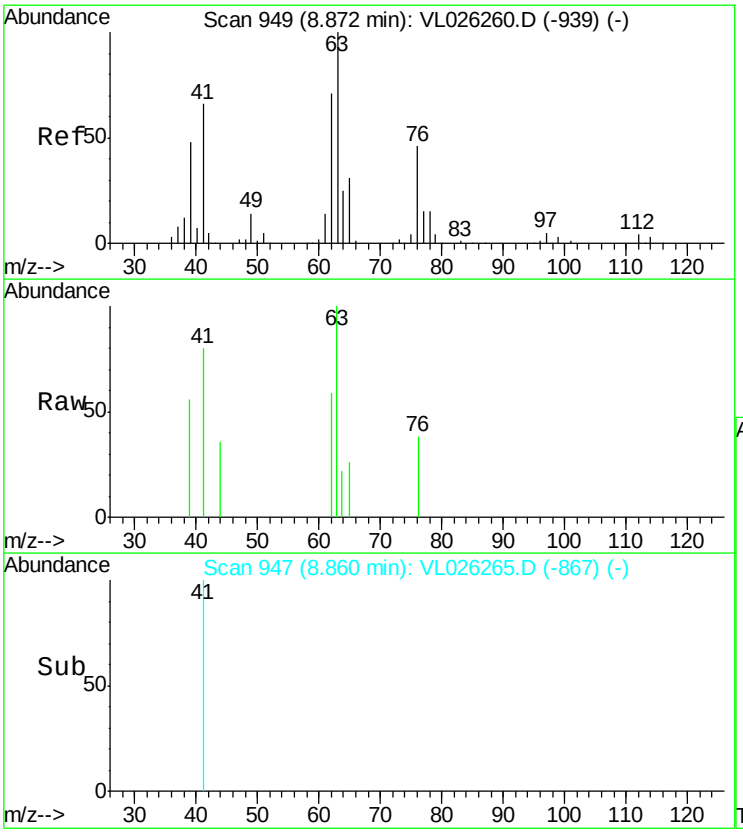
#38
Trichloroethene
Concen: 0.02 ppbv
RT: 9.10 min Scan# 987
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:130 Resp: 3994

Ion	Ratio	Lower	Upper
130	100		
95	79.0	80.8	121.2#
132	76.2	76.2	114.2
97	59.3	53.0	79.6

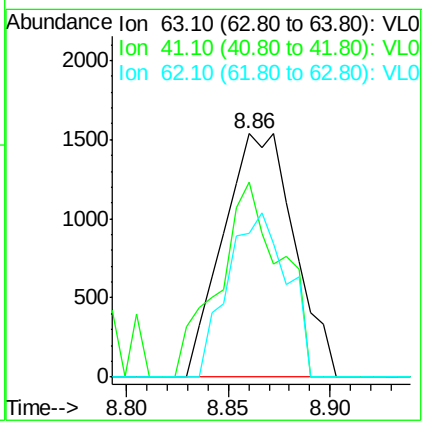


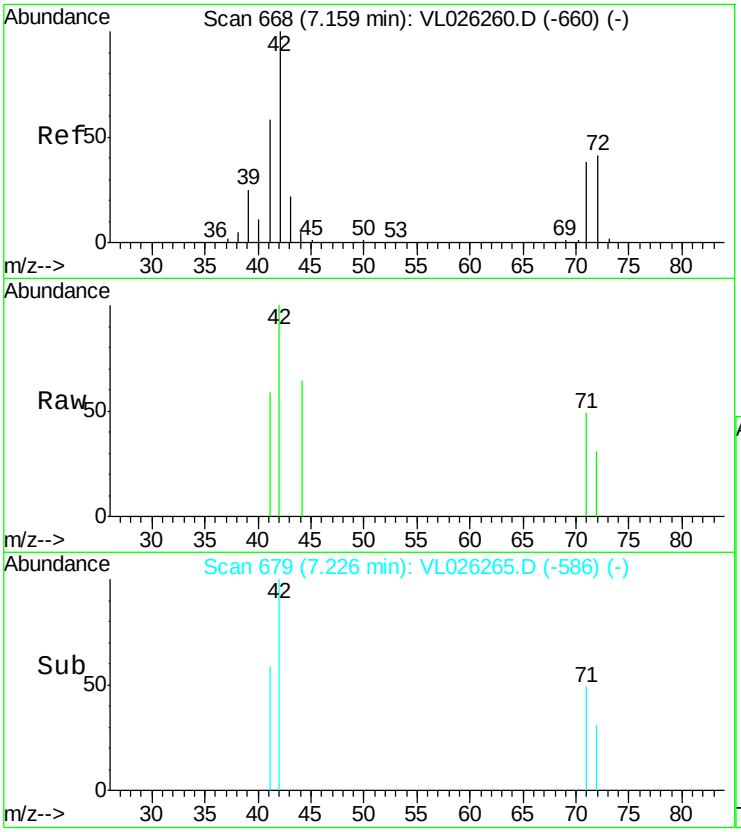


#39
1,2-Dichloropropane
Concen: 0.06 ppbv
RT: 8.86 min Scan# 947
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 63 Resp: 3729

Ion	Ratio	Lower	Upper
63	100		
41	65.9	53.2	79.8
62	48.6	57.1	85.7#



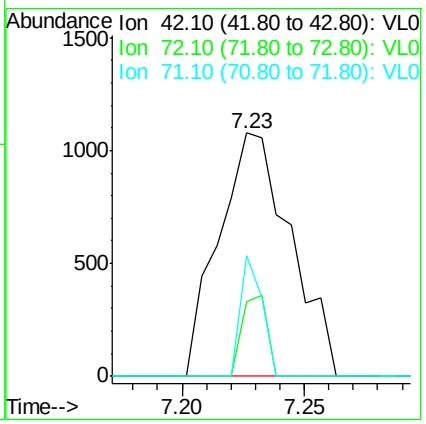


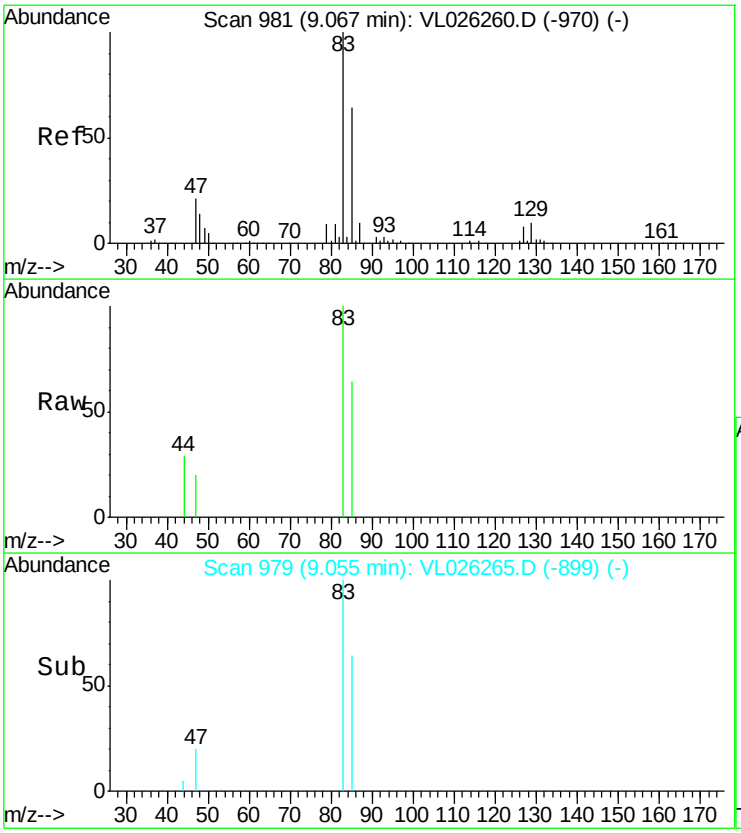
#41
Tetrahydrofuran
Concen: 0.04 ppbv
RT: 7.23 min Scan# 679
Delta R.T. 0.07 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 42 Resp: 2201

Ion	Ratio	Lower	Upper
42	100		
72	11.5	32.2	48.4#
71	14.6	30.4	45.6#

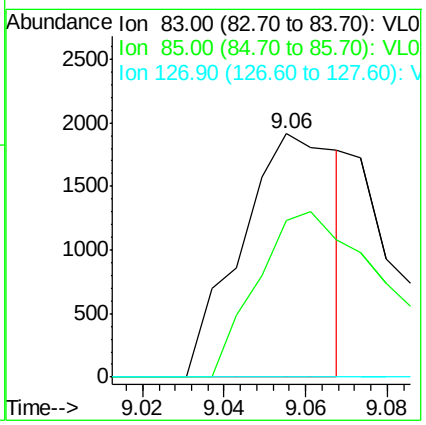


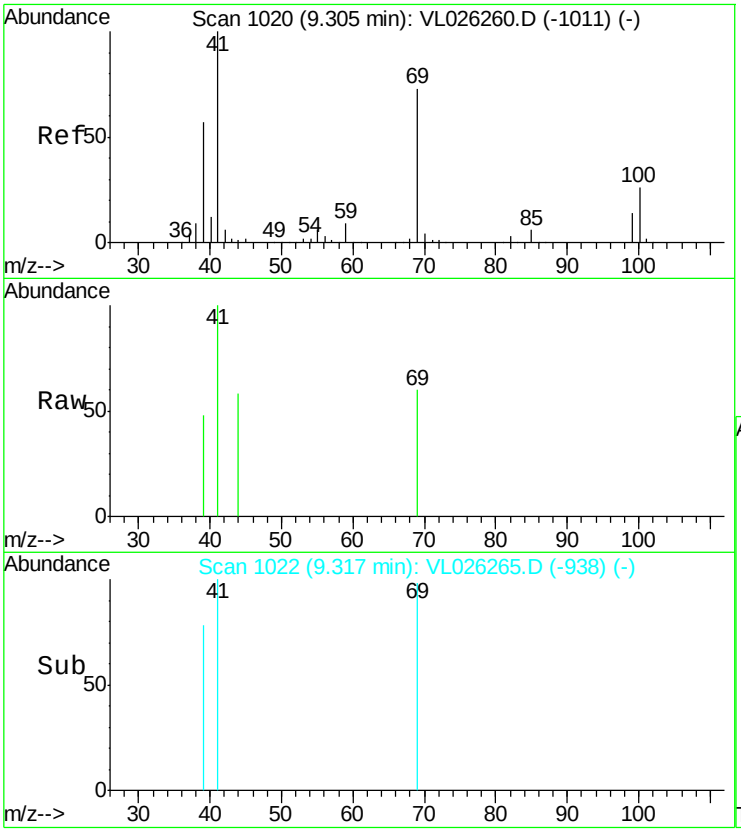


#42
Bromodichloromethane
Concen: 0.03 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 83 Resp: 3163

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	0.0	6.2	9.4#



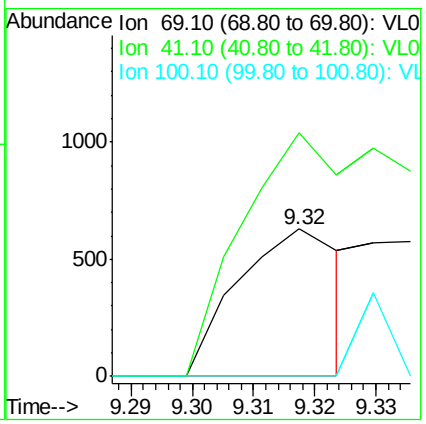


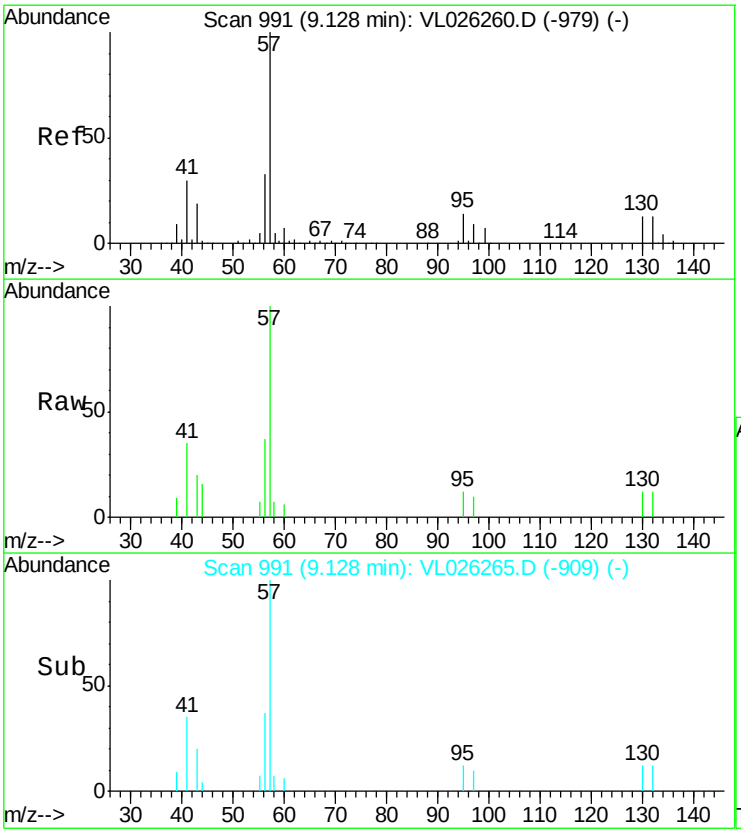
#43
Methyl Methacrylate
Concen: 0.01 ppbv
RT: 9.32 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 69 Resp: 739

Ion	Ratio	Lower	Upper
69	100		
41	342.8	110.0	165.0#
100	0.0	28.6	43.0#

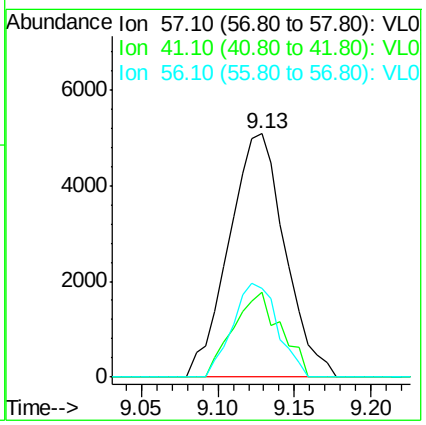


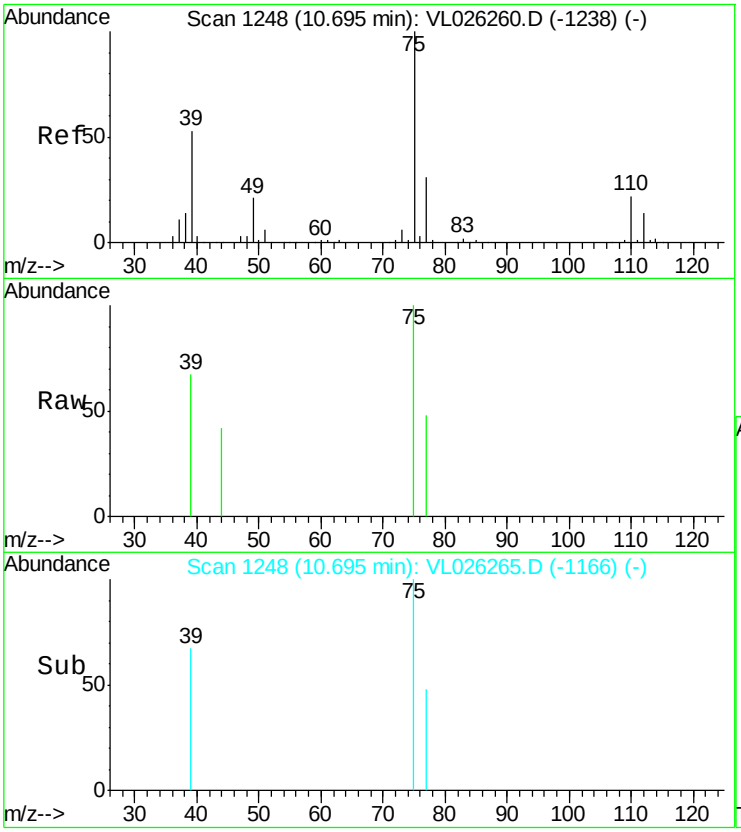


#44
2,2,4-Trimethylpentane
Concen: 0.05 ppbv
RT: 9.13 min Scan# 991
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 57 Resp: 12927

Ion	Ratio	Lower	Upper
57	100		
41	29.3	23.1	34.7
56	31.1	26.3	39.5



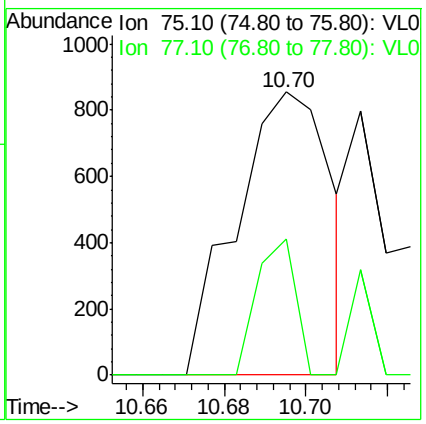


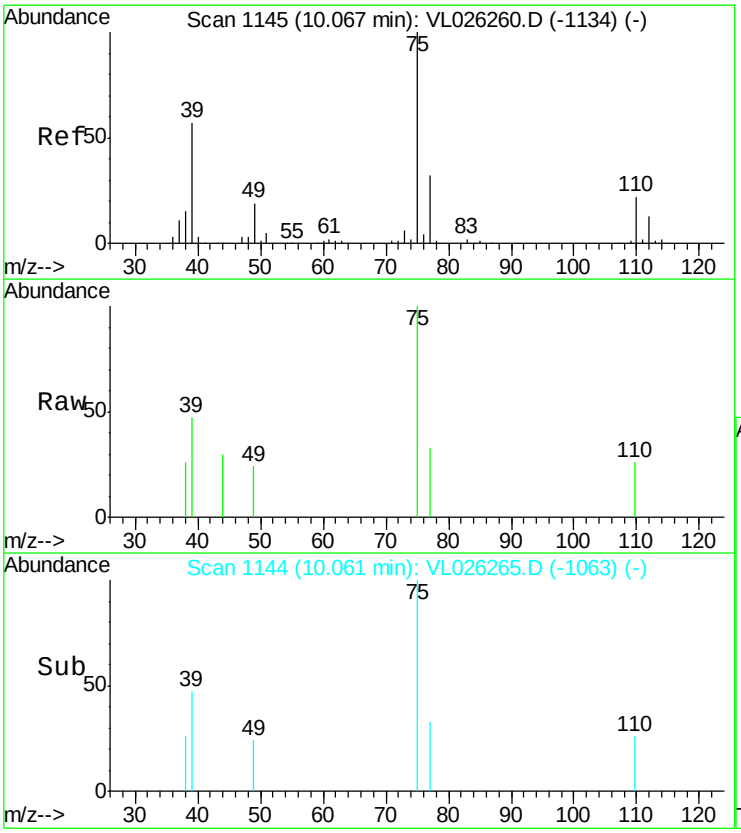
#45
t-1,3-Dichloropropene
Concen: 0.02 ppbv
RT: 10.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 1376

Ion	Ratio	Lower	Upper
75	100		
77	48.1	24.7	37.1#

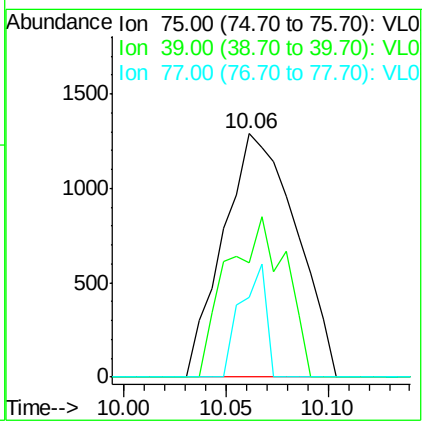


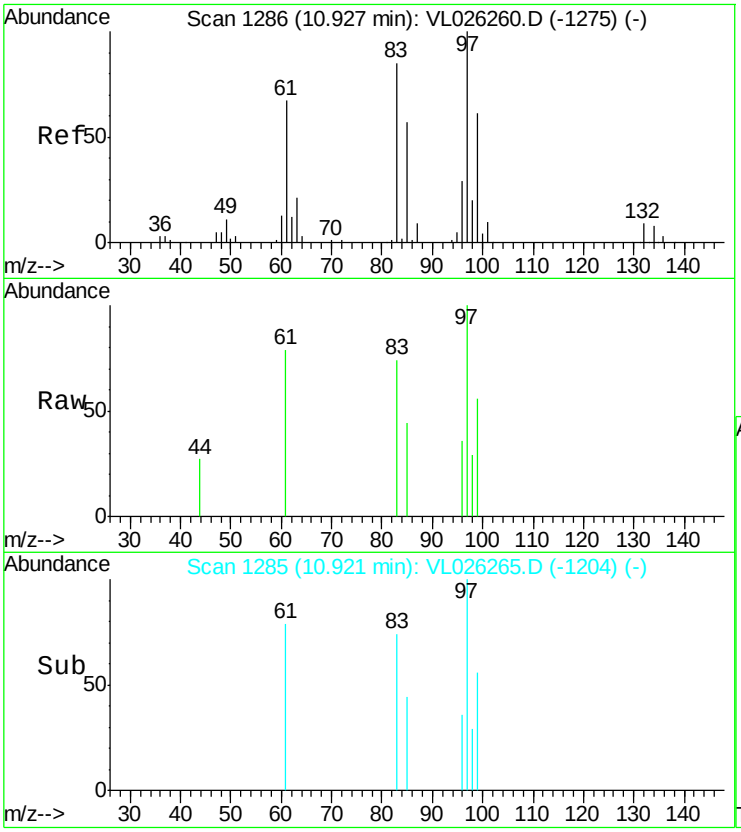


#46
cis-1,3-Dichloropropene
Concen: 0.03 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 75 Resp: 3192

Ion	Ratio	Lower	Upper
75	100		
39	46.7	45.8	68.8
77	32.9	25.3	37.9



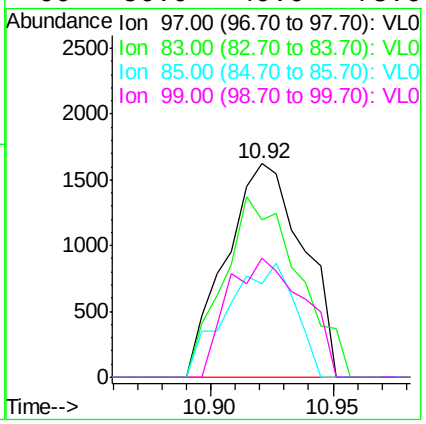


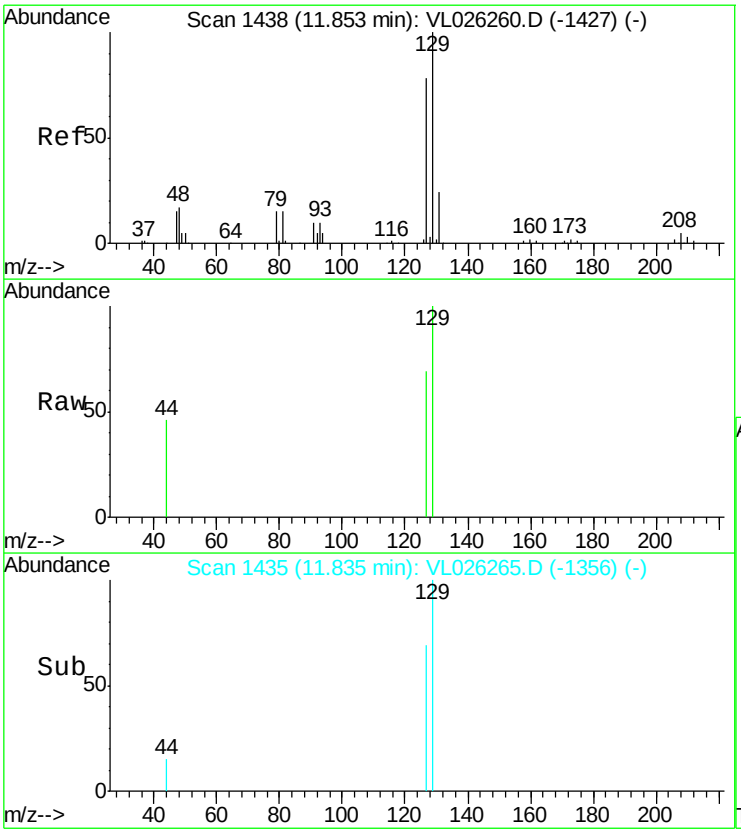
#47
1,1,2-Trichloroethane
Concen: 0.05 ppbv
RT: 10.92 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 3564

Ion	Ratio	Lower	Upper
97	100		
83	73.5	67.9	101.9
85	43.9	45.2	67.8#
99	56.0	49.0	73.6

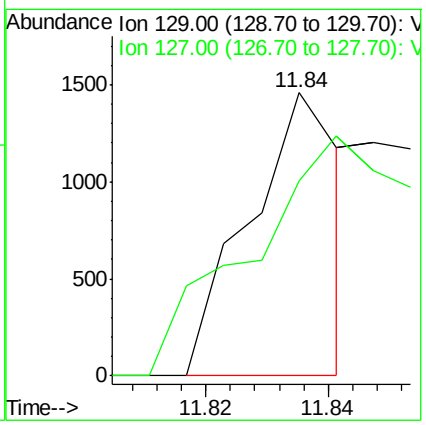


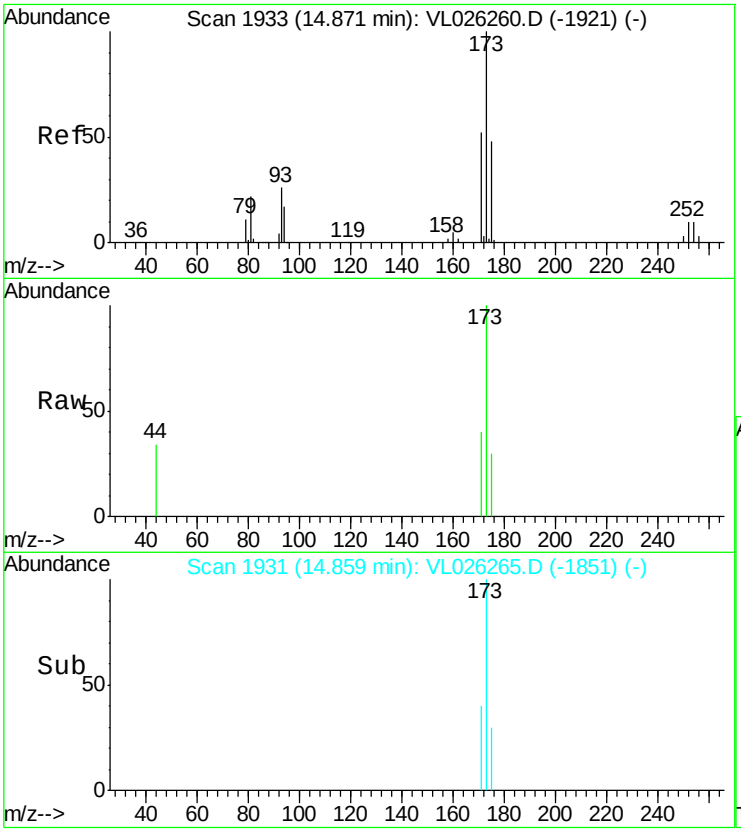


#48
Dibromochloromethane
Concen: 0.01 ppbv
RT: 11.84 min Scan# 1435
Delta R.T. -0.02 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:129 Resp: 1517

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#



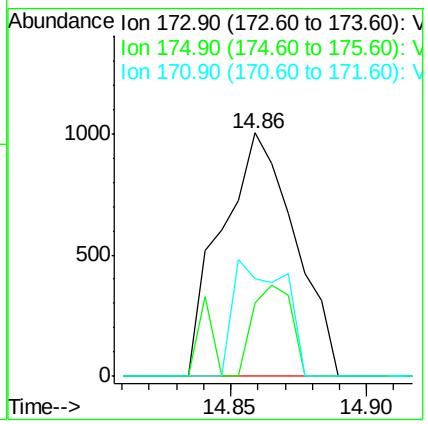


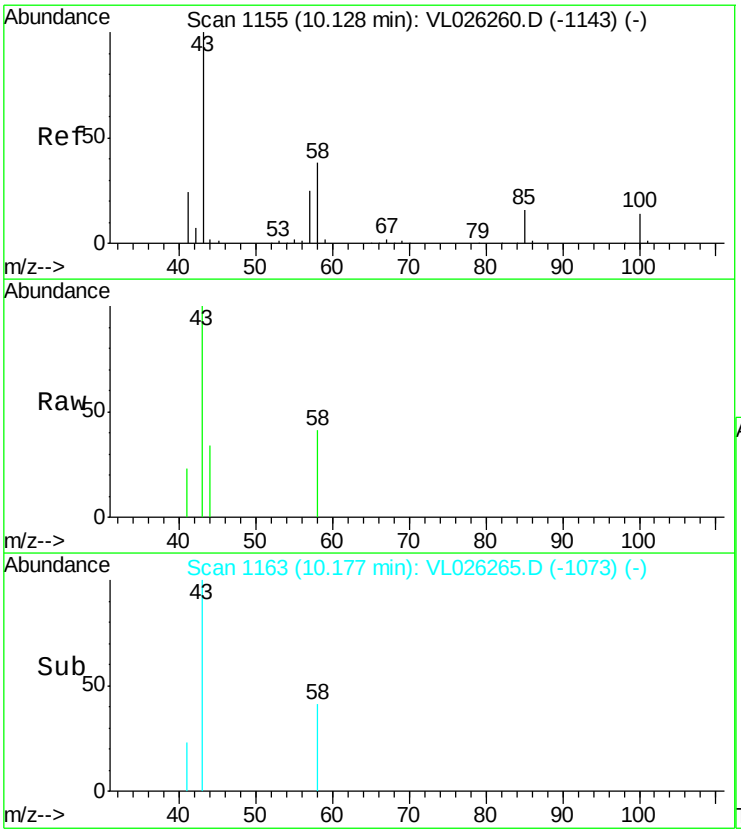
#49
Bromoform
Concen: 0.02 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:173 Resp: 1877

Ion	Ratio	Lower	Upper
173	100		
175	26.0	38.8	58.2#
171	33.0	41.7	62.5#

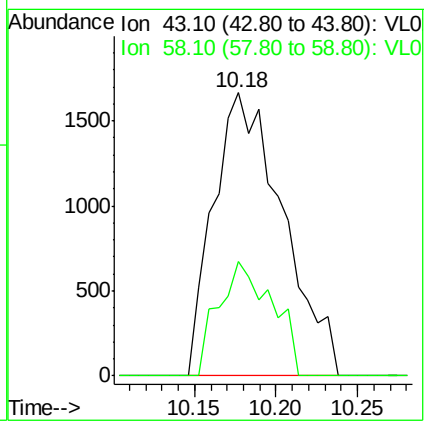


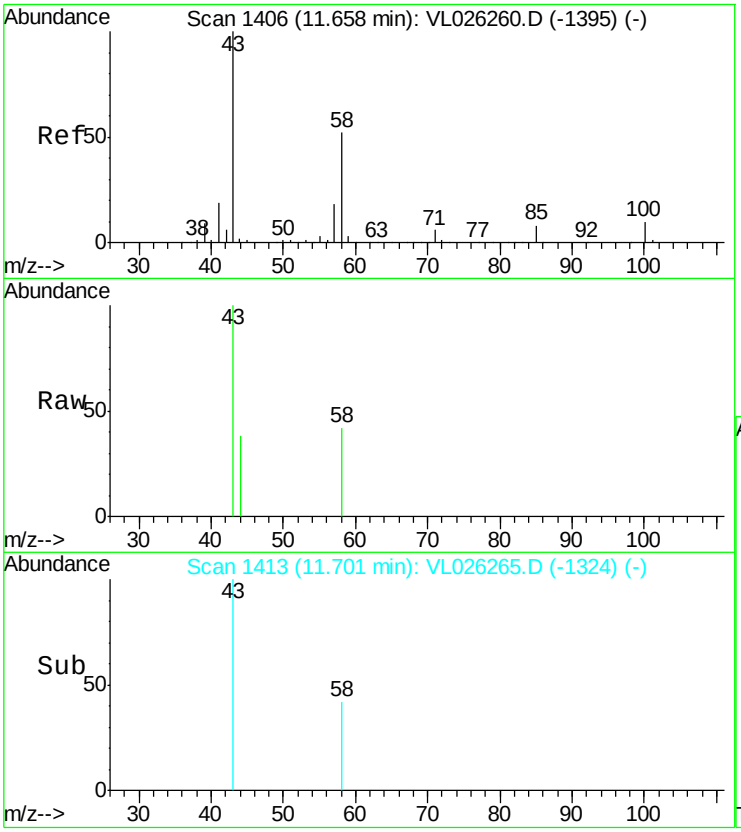


#50
4-Methyl-2-Pentanone
Concen: 0.04 ppbv
RT: 10.18 min Scan# 1163
Delta R.T. 0.05 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 43 Resp: 4927

Ion	Ratio	Lower	Upper
43	100		
58	31.3	30.5	45.7



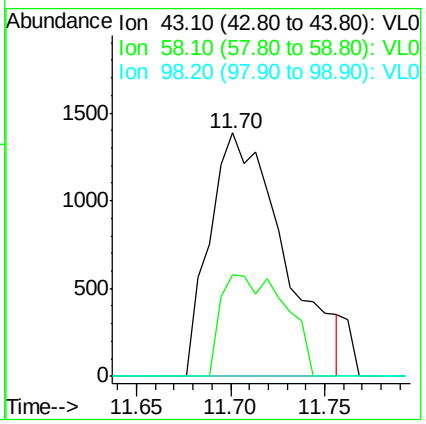


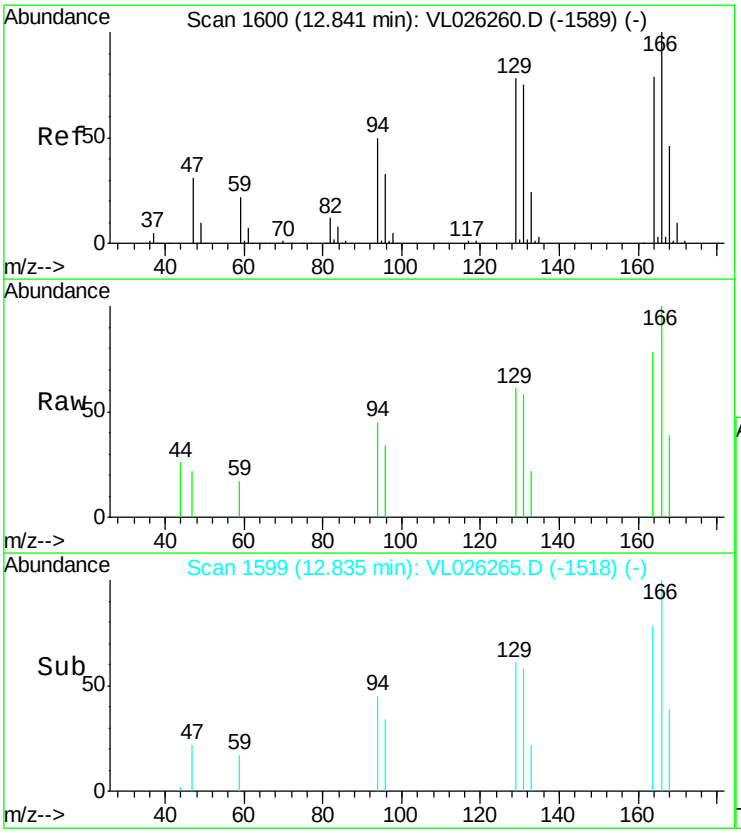
#51
2-Hexanone
Concen: 0.03 ppbv
RT: 11.70 min Scan# 1413
Delta R.T. 0.04 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 3792

Ion	Ratio	Lower	Upper
43	100		
58	36.2	42.7	64.1#
98	0.0	0.0	0.0

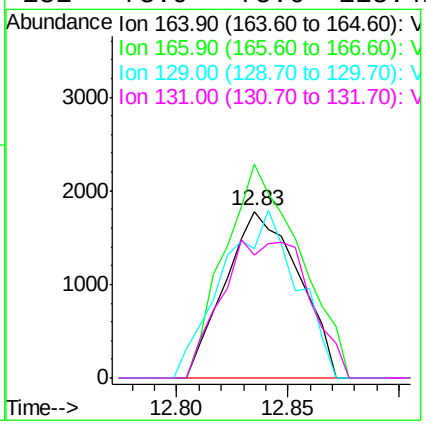


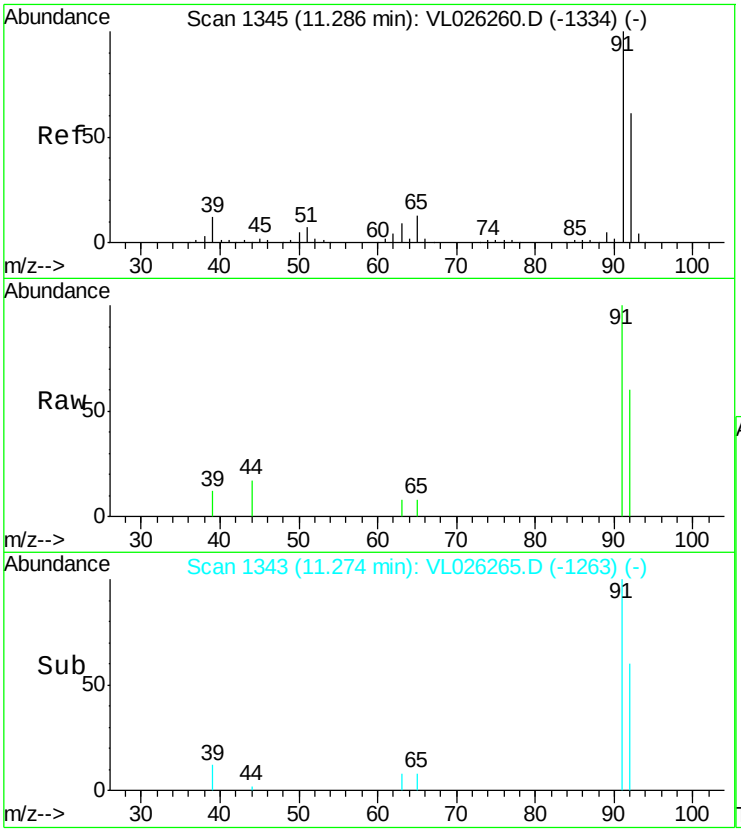


#52
Tetrachloroethene
Concen: 0.02 ppbv
RT: 12.83 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:164 Resp: 4089

Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.4	152.0
129	77.8	78.8	118.2#
131	73.9	75.6	113.4#



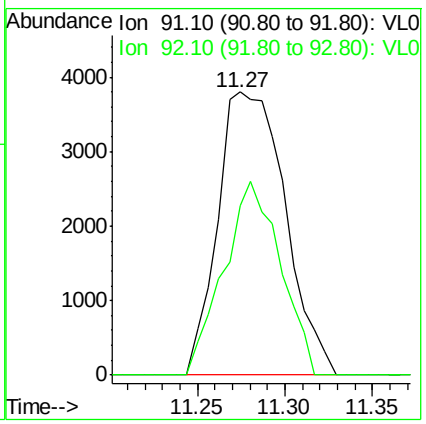


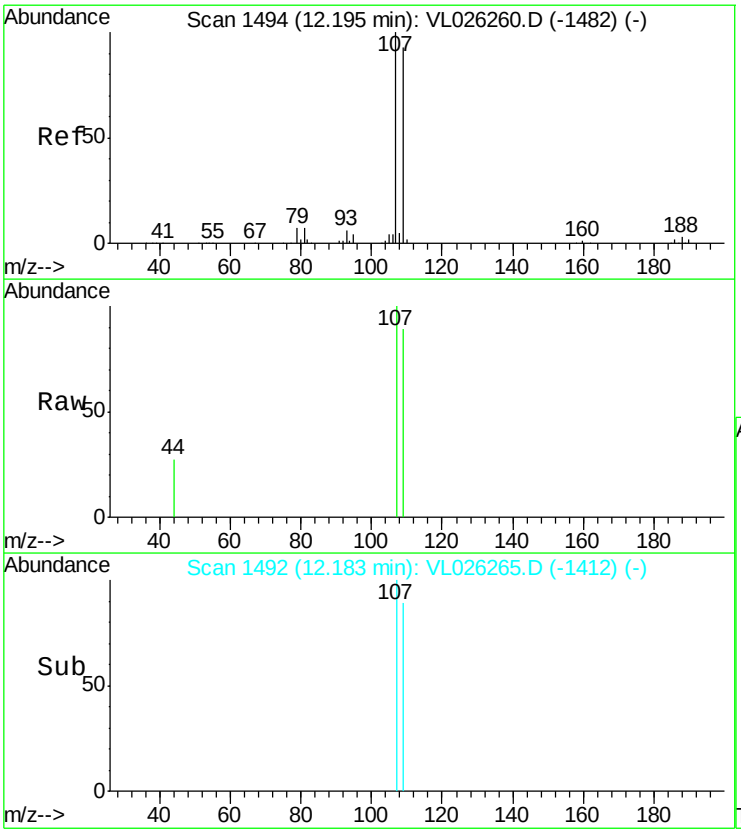
#53
Toluene
Concen: 0.05 ppbv
RT: 11.27 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 91 Resp: 10183

Ion	Ratio	Lower	Upper
91	100		
92	57.5	48.6	73.0

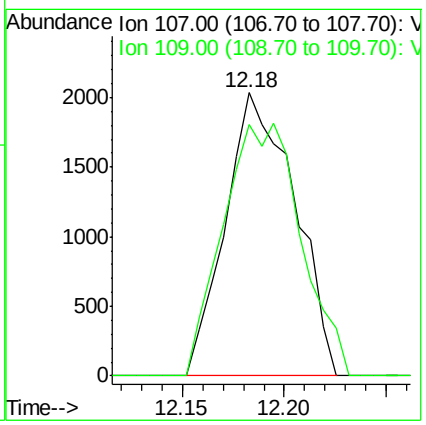


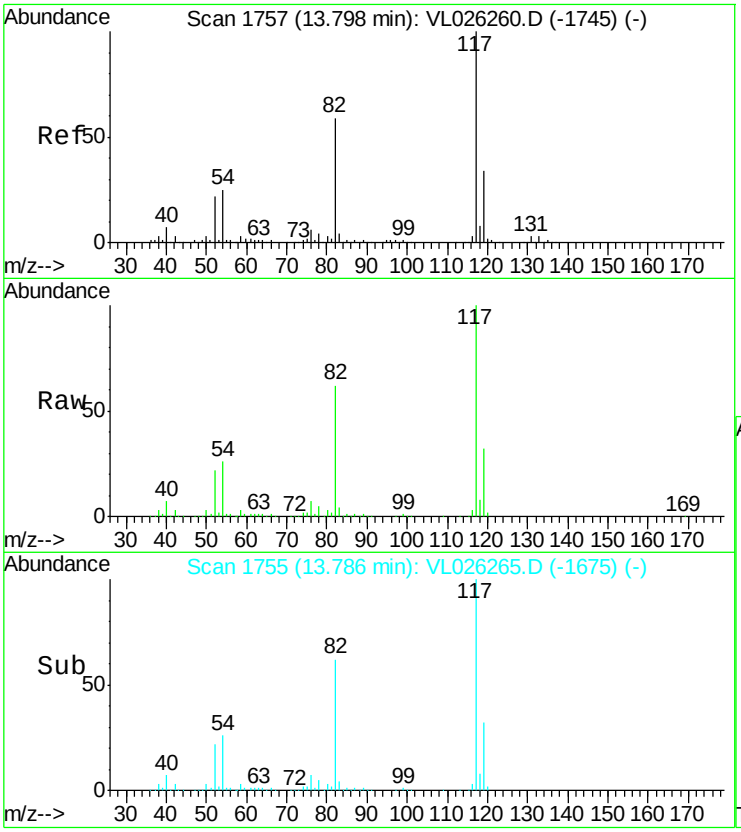


#54
1,2-Dibromoethane
Concen: 0.04 ppbv
RT: 12.18 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:107 Resp: 4784

Ion	Ratio	Lower	Upper
107	100		
109	89.0	74.6	112.0



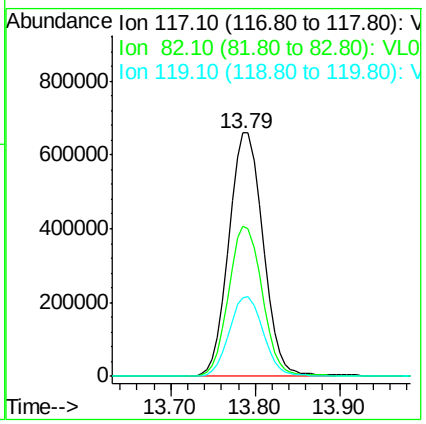


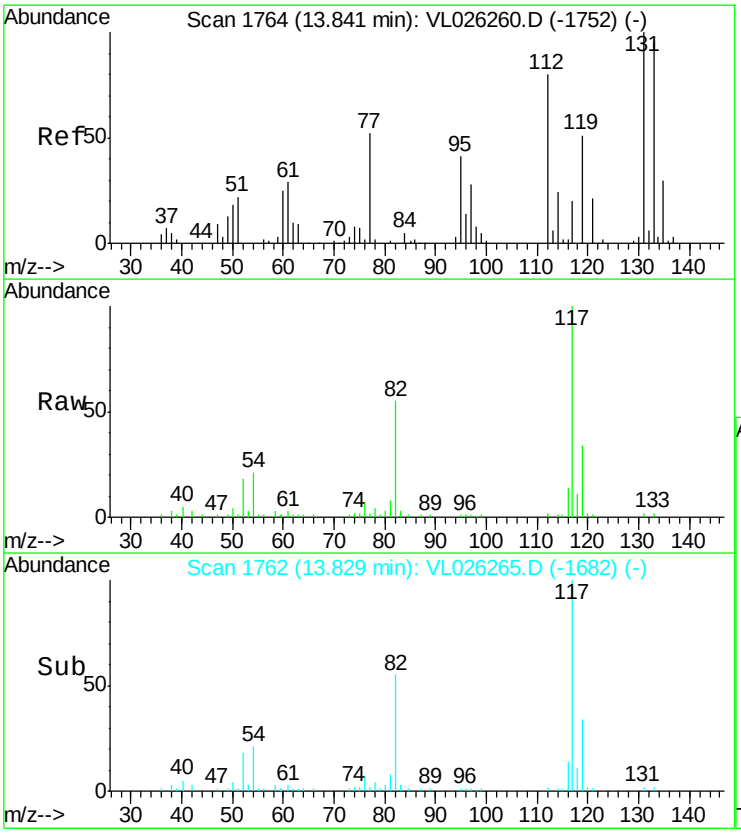
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 1825050

Ion	Ratio	Lower	Upper
117	100		
82	0.0	48.2	72.4#
119	33.1	46.2	69.2#

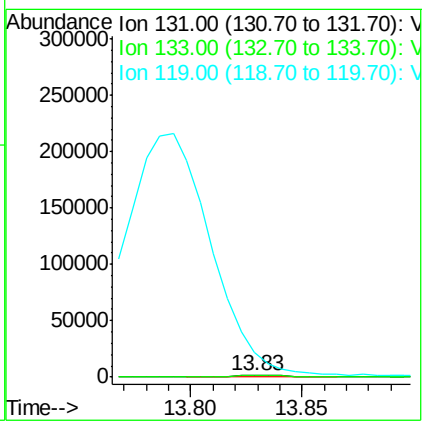


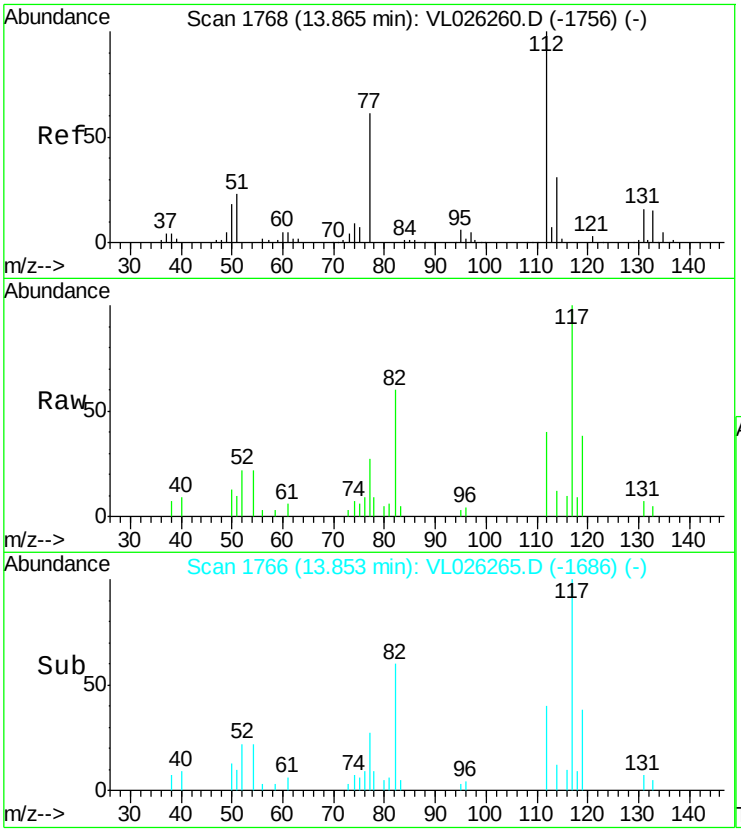


#56
1,1,1,2-Tetrachloroethane
Concen: 0.04 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:131 Resp: 3222

Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.1	114.1
119	18702.9	111.3	166.9#



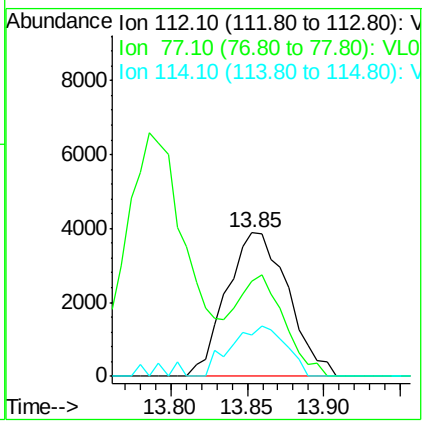


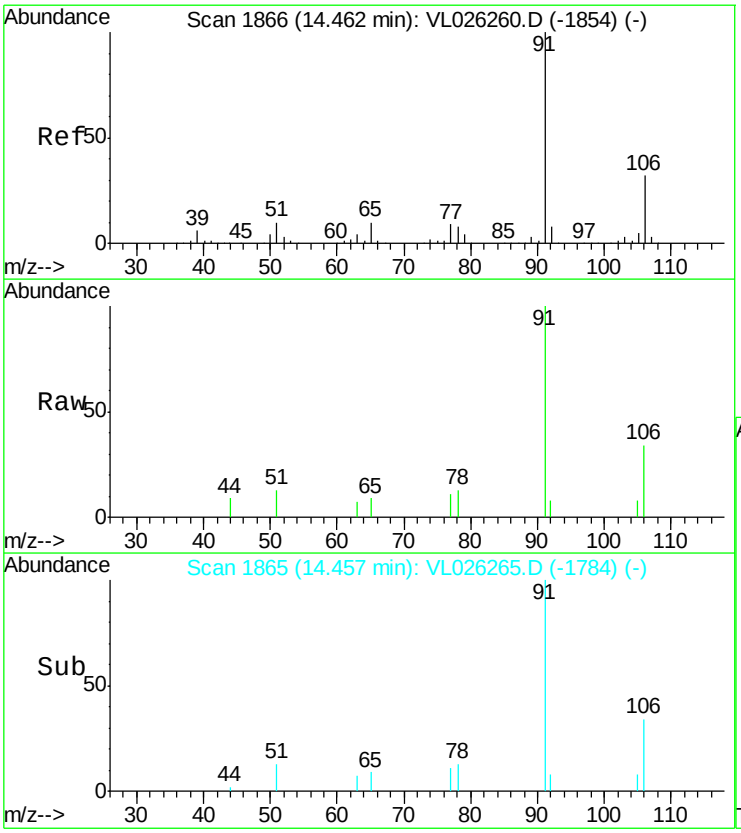
#57
Chlorobenzene
Concen: 0.06 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:112 Resp: 10872

Ion	Ratio	Lower	Upper
112	100		
77	66.2	49.4	74.0
114	29.3	27.8	34.0

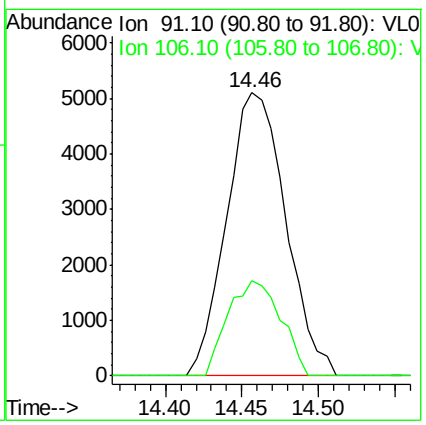


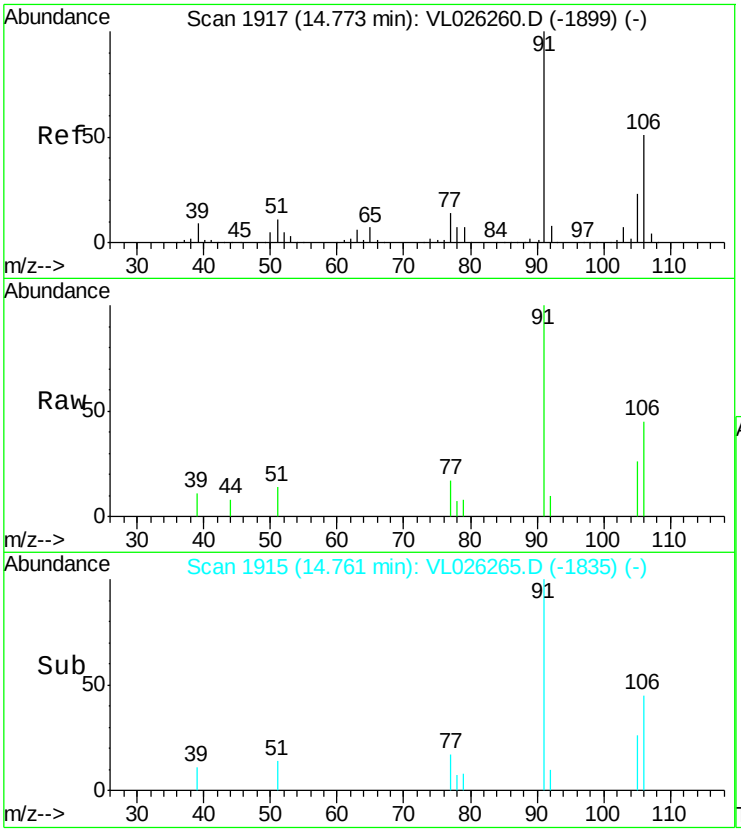


#58
Ethyl Benzene
Concen: 0.05 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 91 Resp: 13692

Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.7	38.5



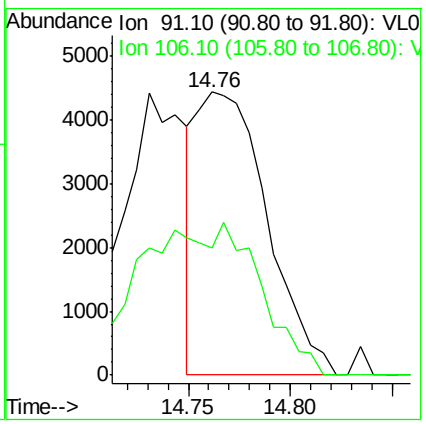


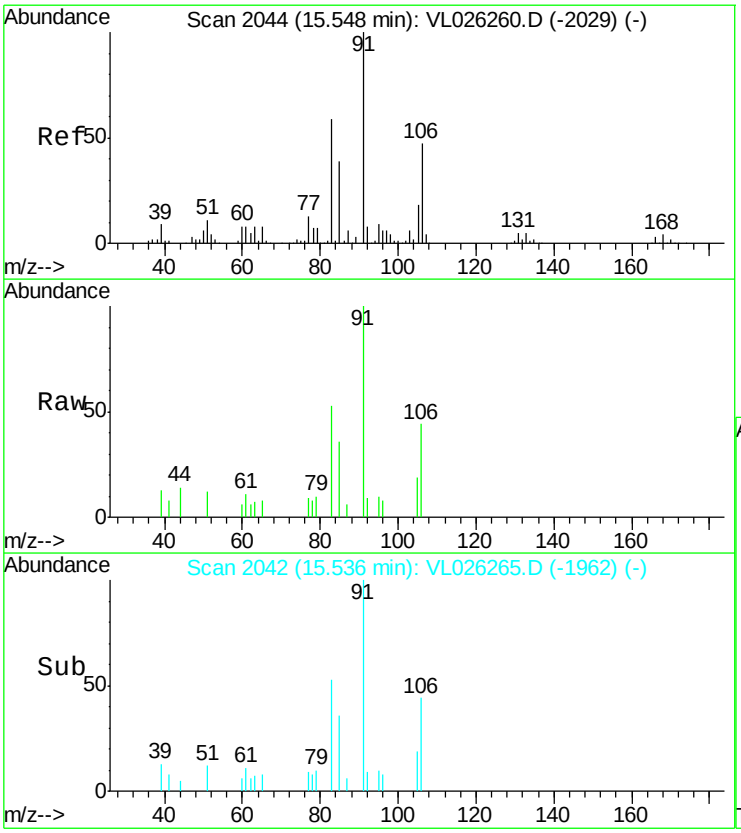
#59
m/p-Xylene
Concen: 0.04 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 10610

Ion	Ratio	Lower	Upper
91	100		
106	91.8	0.0	0.0#

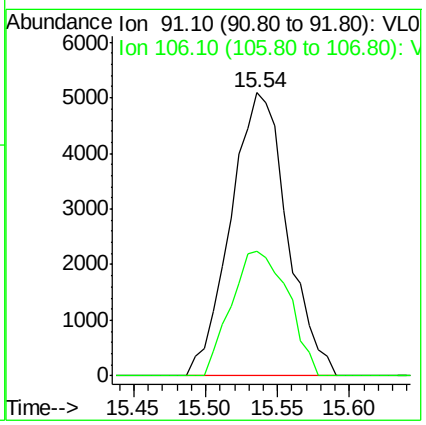


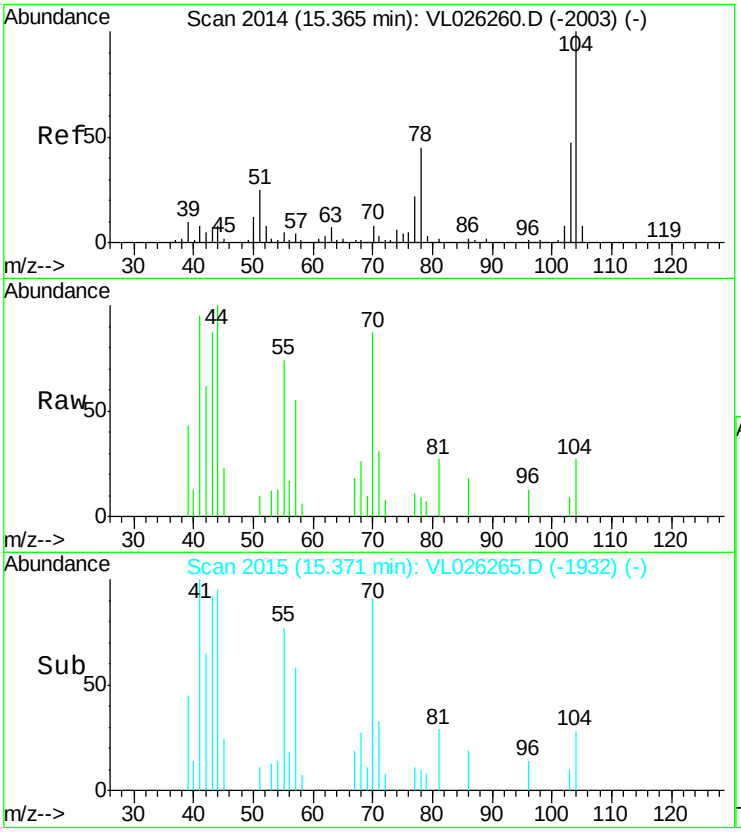


#60
o-Xylene
Concen: 0.06 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 91 Resp: 13889

Ion	Ratio	Lower	Upper
91	100		
106	44.2	23.6	70.8



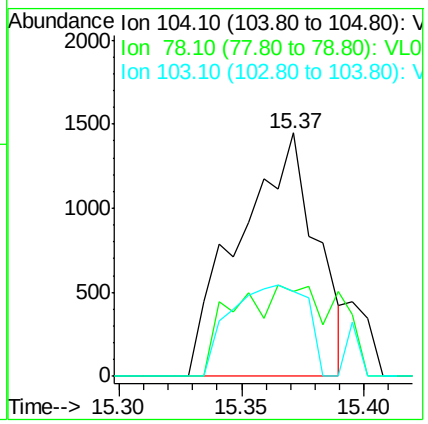


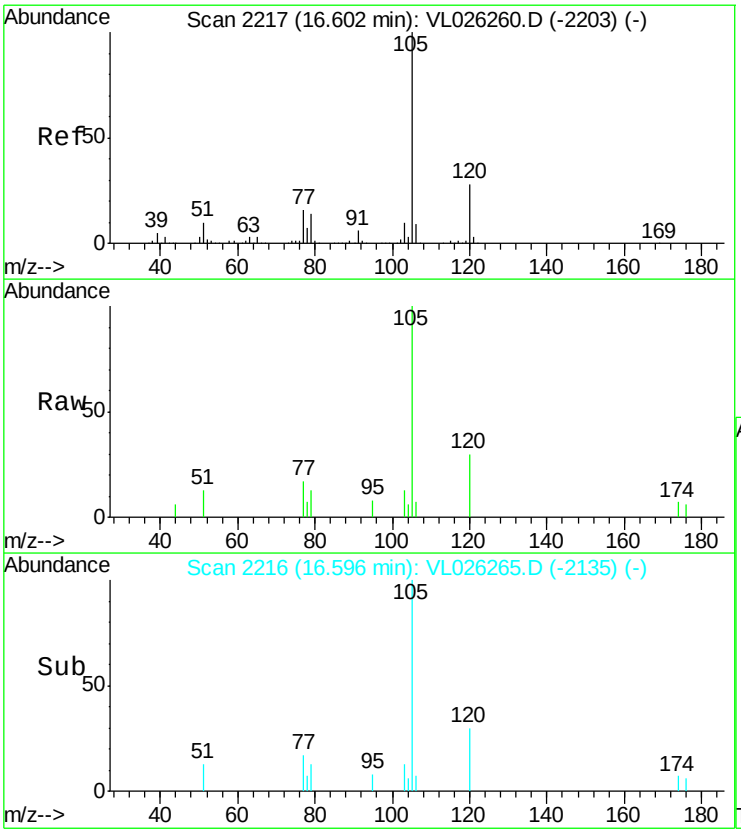
#61
Stvrene
Concen: 0.03 ppbv
RT: 15.37 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 3161

Ion	Ratio	Lower	Upper
104	100		
78	51.3	35.5	53.3
103	41.3	37.0	55.6

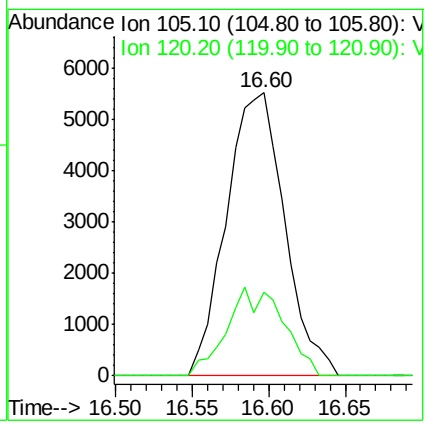


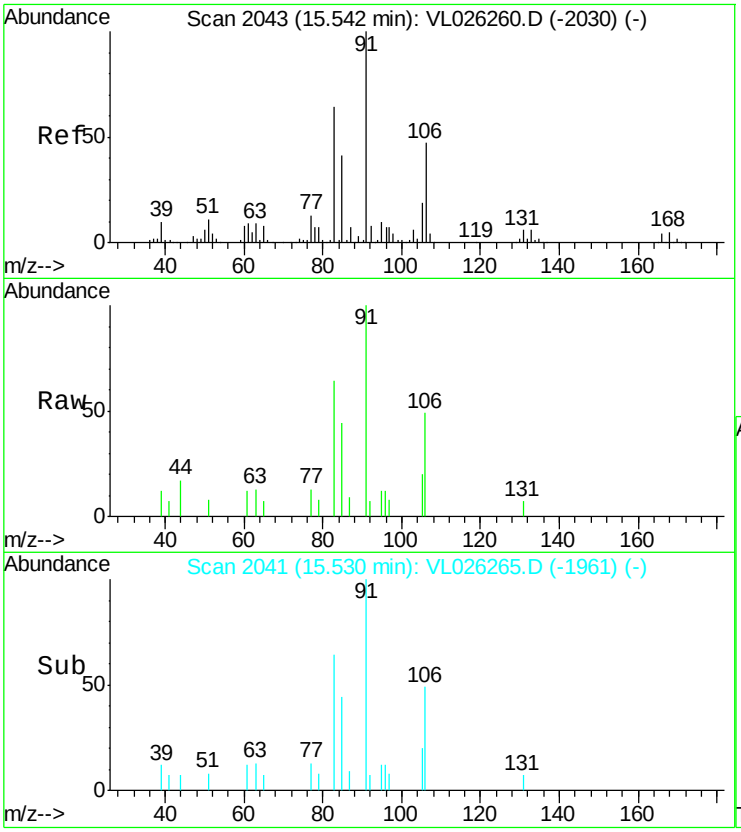


#62
Isopropylbenzene
Concen: 0.04 ppbv
RT: 16.60 min Scan# 2216
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:105 Resp: 14623

Ion	Ratio	Lower	Upper
105	100		
120	30.3	21.7	32.5



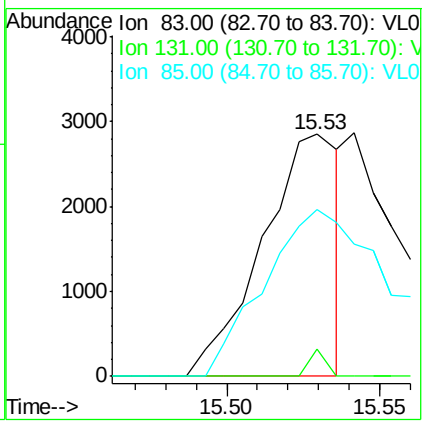


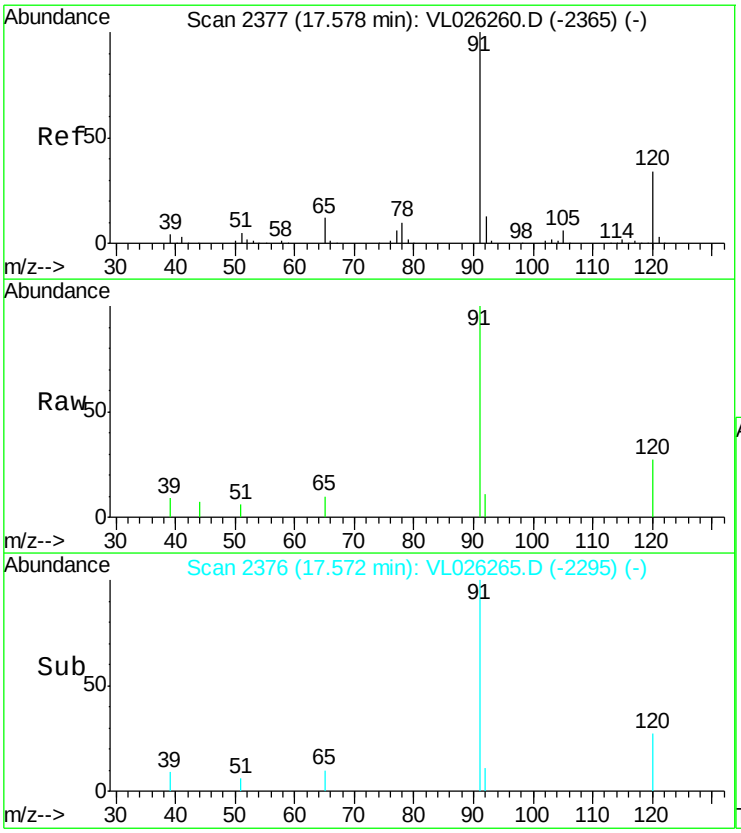
#63
1,1,2,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 15.53 min Scan# 2041
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 4997

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	109.2	32.4	97.2#

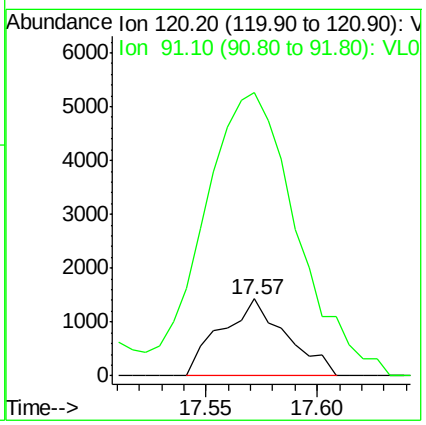


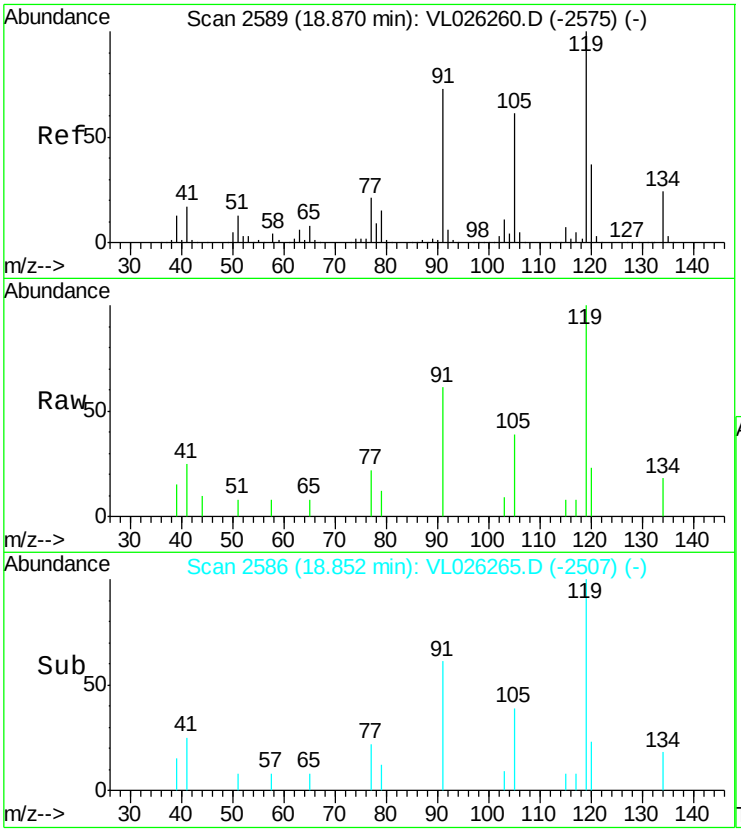


#64
n-propylbenzene
Concen: 0.03 ppbv
RT: 17.57 min Scan# 2376
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:120 Resp: 2912

Ion	Ratio	Lower	Upper
120	100		
91	523.0	340.8	511.2#



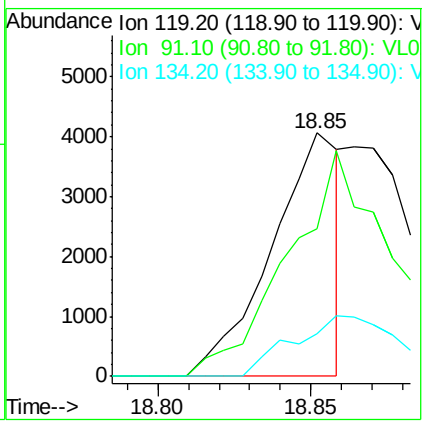


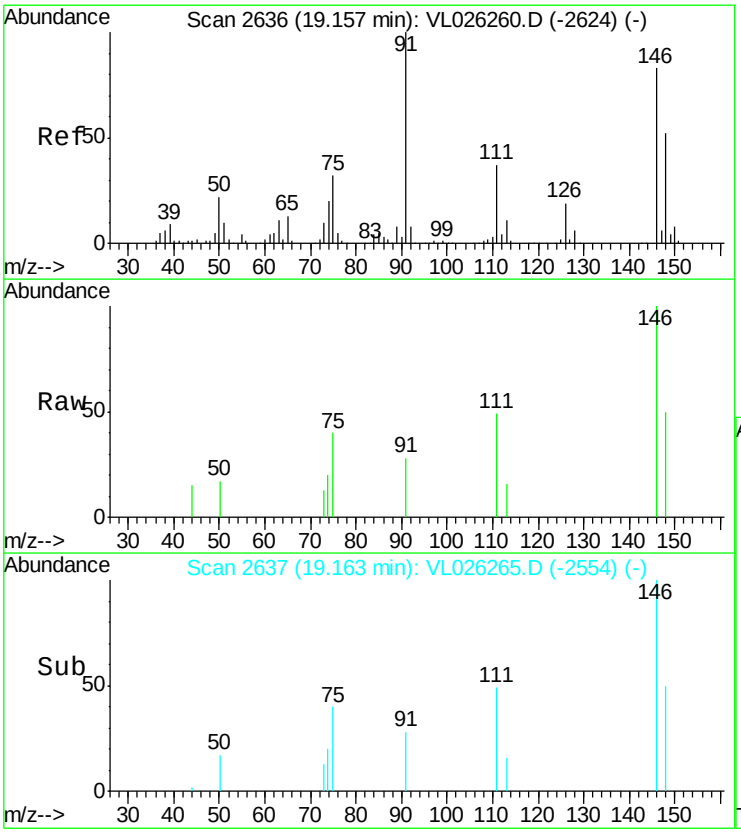
#65
tert-Butylbenzene
Concen: 0.02 ppbv
RT: 18.85 min Scan# 2586
Delta R.T. -0.02 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:119 Resp: 6346

Ion	Ratio	Lower	Upper
119	100		
91	169.2	57.7	86.5#
134	0.0	18.0	27.0#

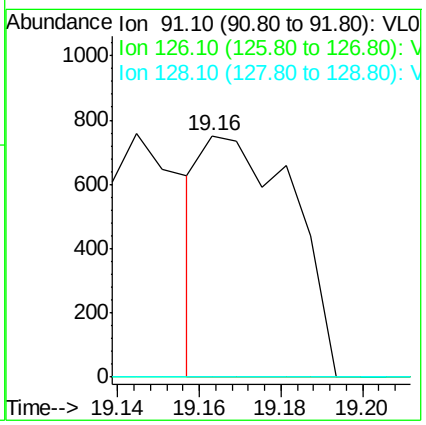


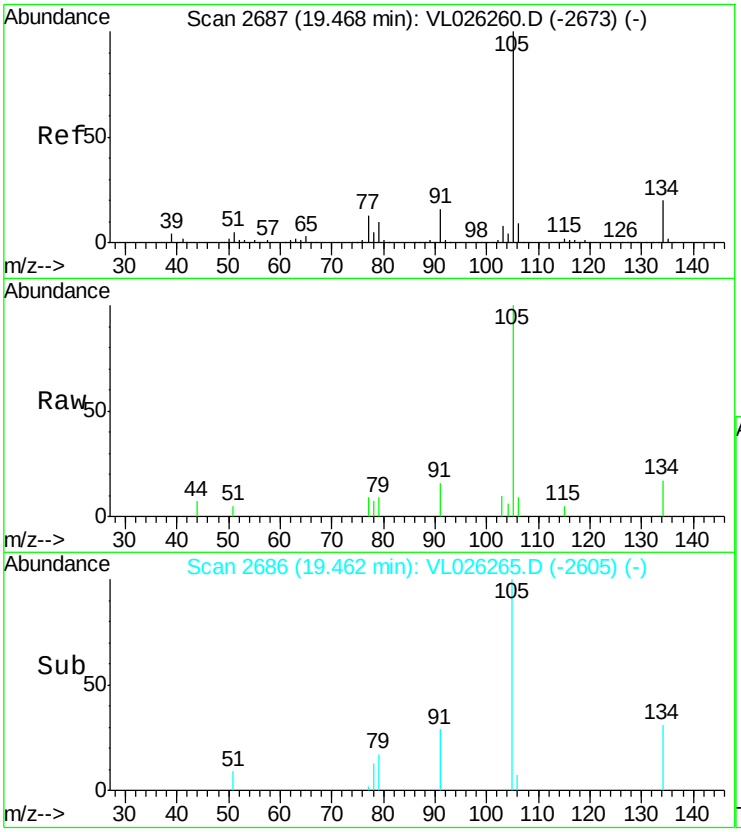


#66
Benzyl Chloride
Concen: 0.01 ppbv
RT: 19.16 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 91 Resp: 1160

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.8	23.8#
128	0.0	5.0	7.6#



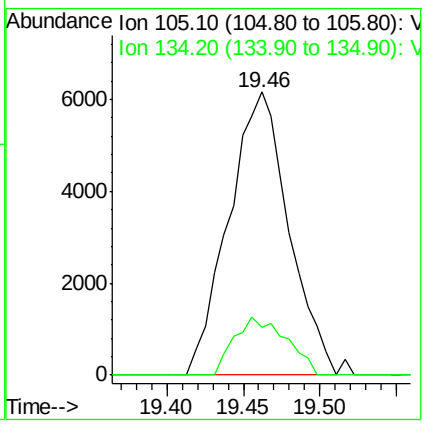


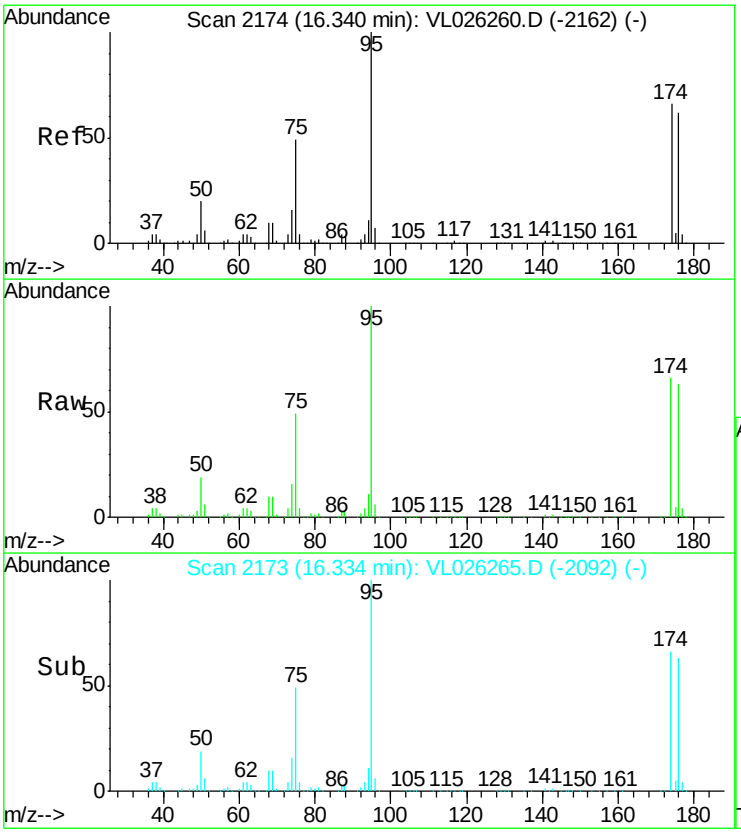
#67
sec-Butylbenzene
Concen: 0.04 ppbv
RT: 19.46 min Scan# 2686
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:105 Resp: 16831

Ion	Ratio	Lower	Upper
105	100		
134	17.8	16.0	24.0

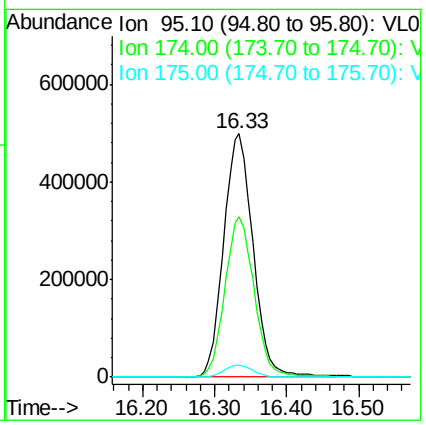


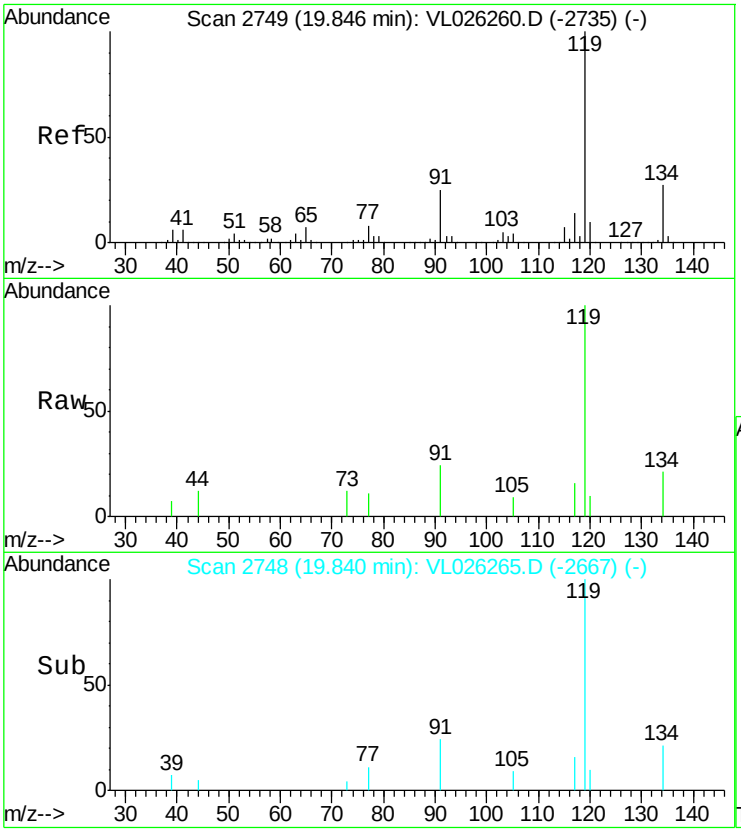


#68
1-Bromo-4-Fluorobenzene
Concen: 10.22 ppbv
RT: 16.33 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 95 Resp: 1417390

Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.9	79.3
175	4.8	3.8	5.8



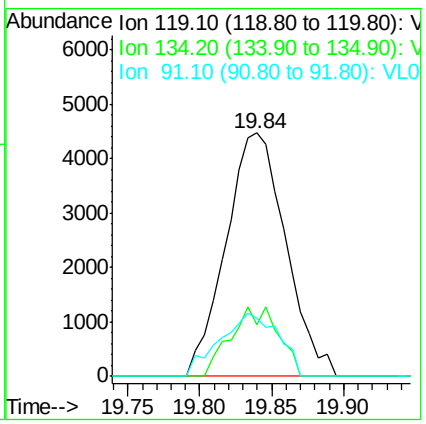


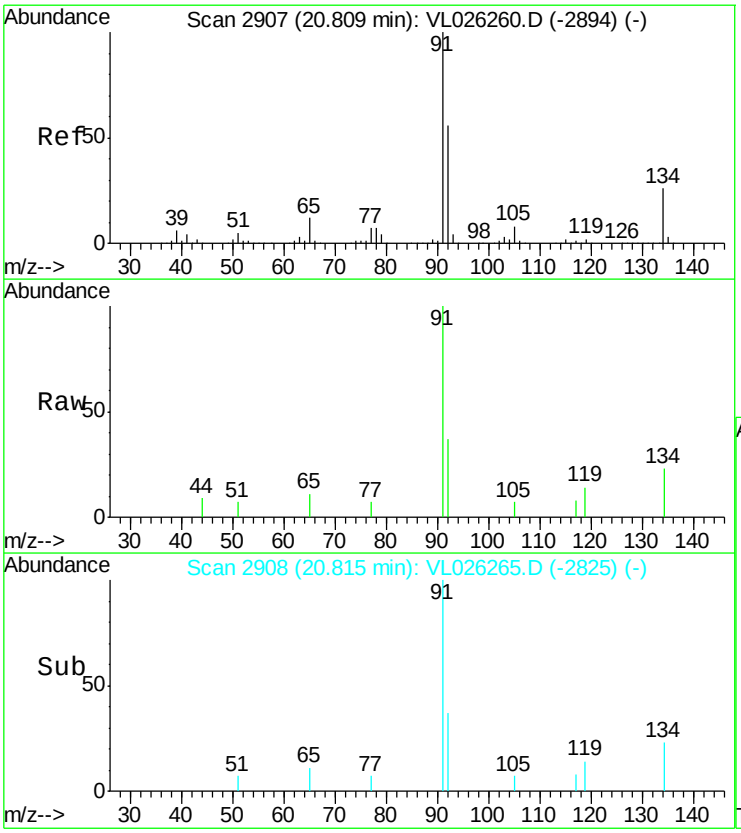
#69
p-Isopropyltoluene
Concen: 0.04 ppbv
RT: 19.84 min Scan# 2748
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:119 Resp: 12892

Ion	Ratio	Lower	Upper
119	100		
134	22.8	21.3	31.9
91	25.4	19.6	29.4

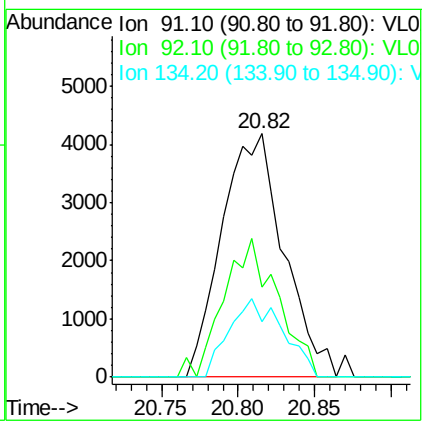


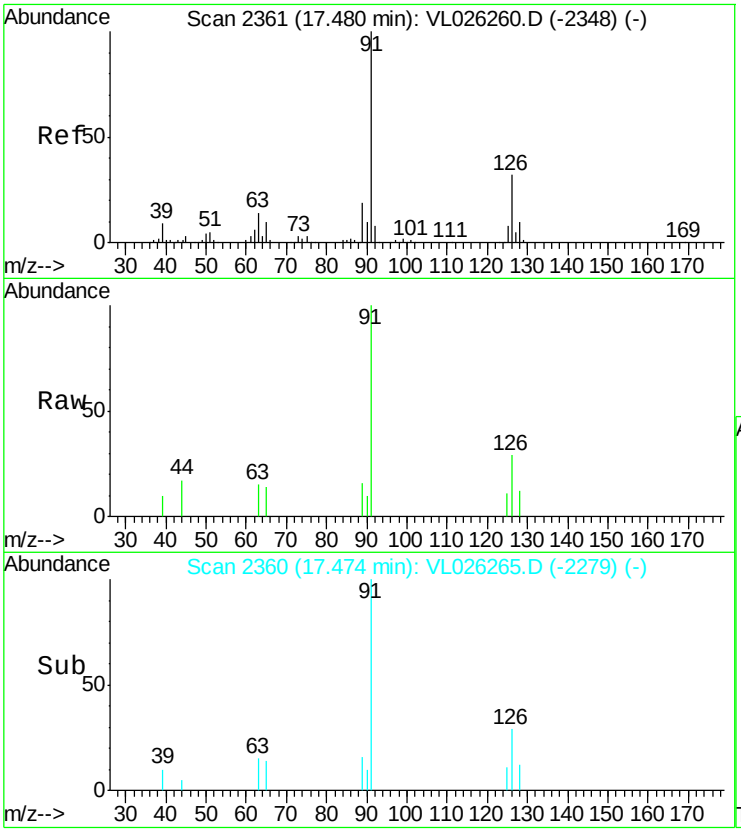


#70
n-Butylbenzene
Concen: 0.04 ppbv
RT: 20.82 min Scan# 2908
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion: 91 Resp: 11771

Ion	Ratio	Lower	Upper
91	100		
92	49.8	44.9	67.3
134	27.9	20.5	30.7



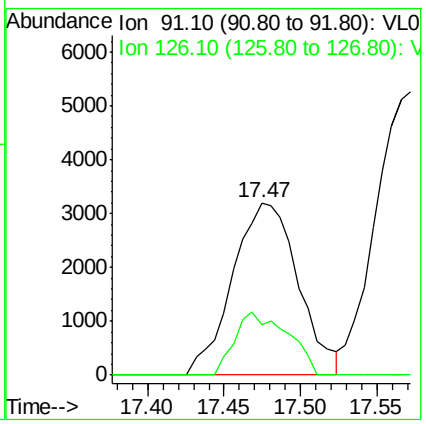


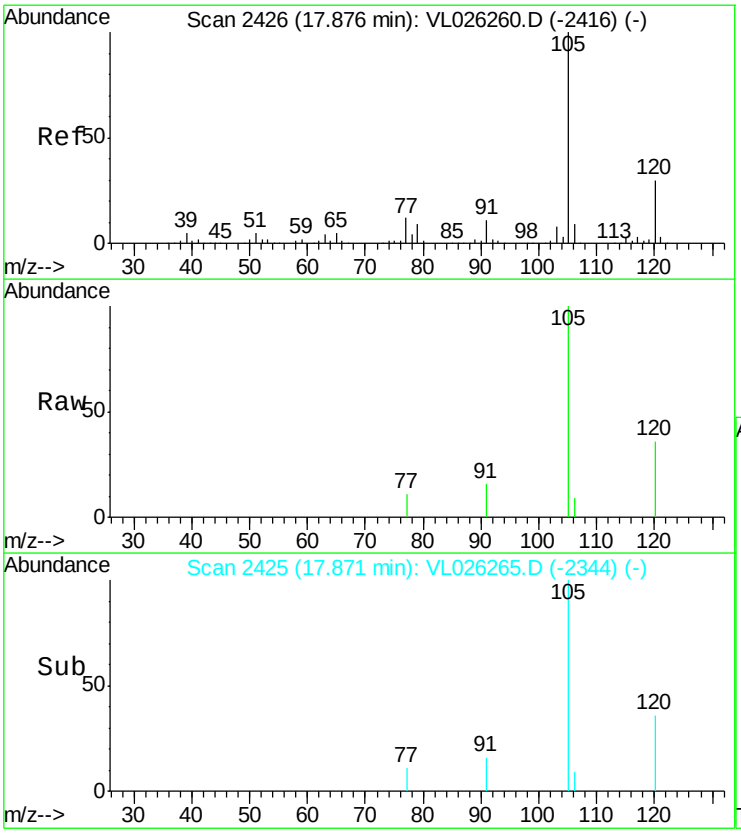
#71
2-Chlorotoluene
Concen: 0.04 ppbv
RT: 17.47 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 91 Resp: 9549

Ion	Ratio	Lower	Upper
91	100		
126	29.4	12.8	51.0

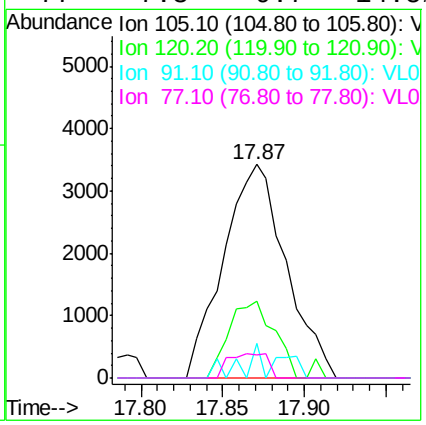


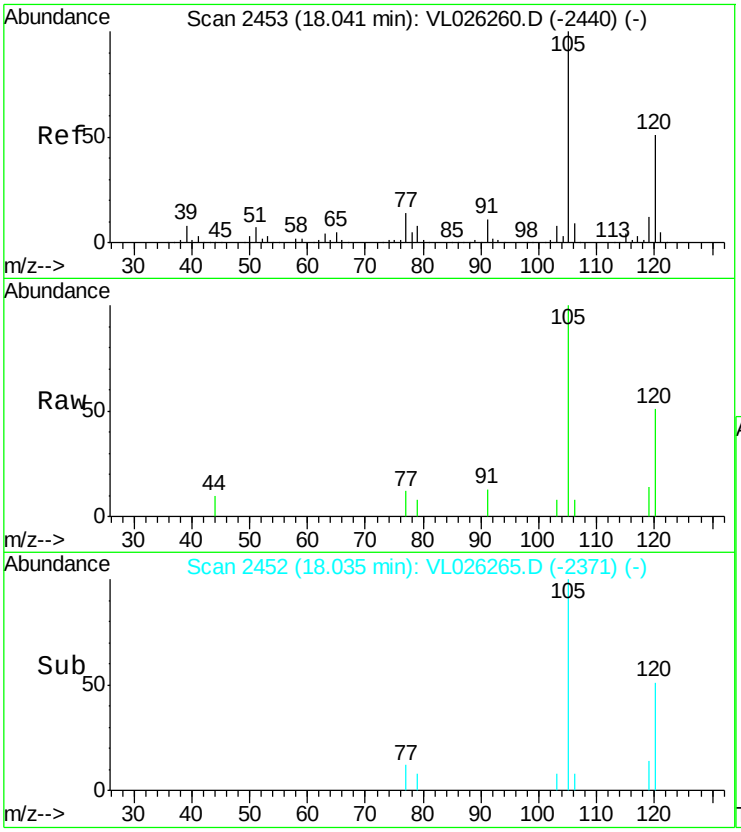


#72
4-Ethyltoluene
Concen: 0.03 ppbv
RT: 17.87 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:105 Resp: 9132

Ion	Ratio	Lower	Upper
105	100		
120	27.3	25.1	37.7
91	8.8	9.1	13.7#
77	7.3	9.7	14.5#



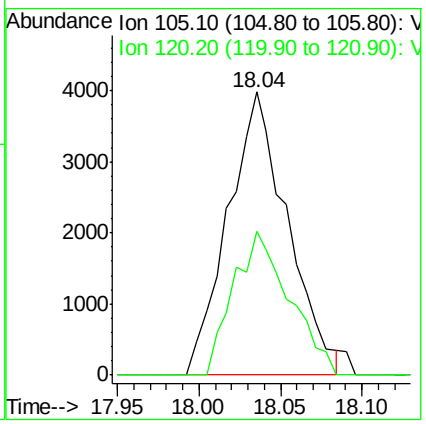


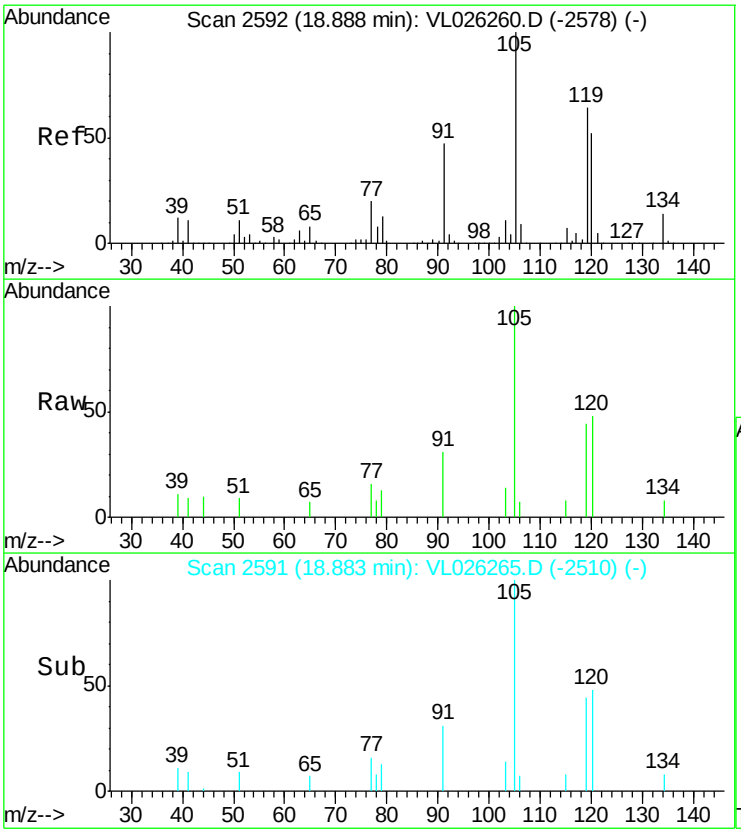
#73
1,3,5-Trimethylbenzene
Concen: 0.04 ppbv
RT: 18.04 min Scan# 2452
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 10092

Ion	Ratio	Lower	Upper
105	100		
120	50.9	40.6	61.0

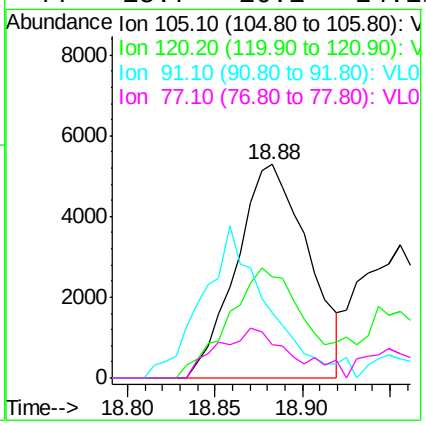


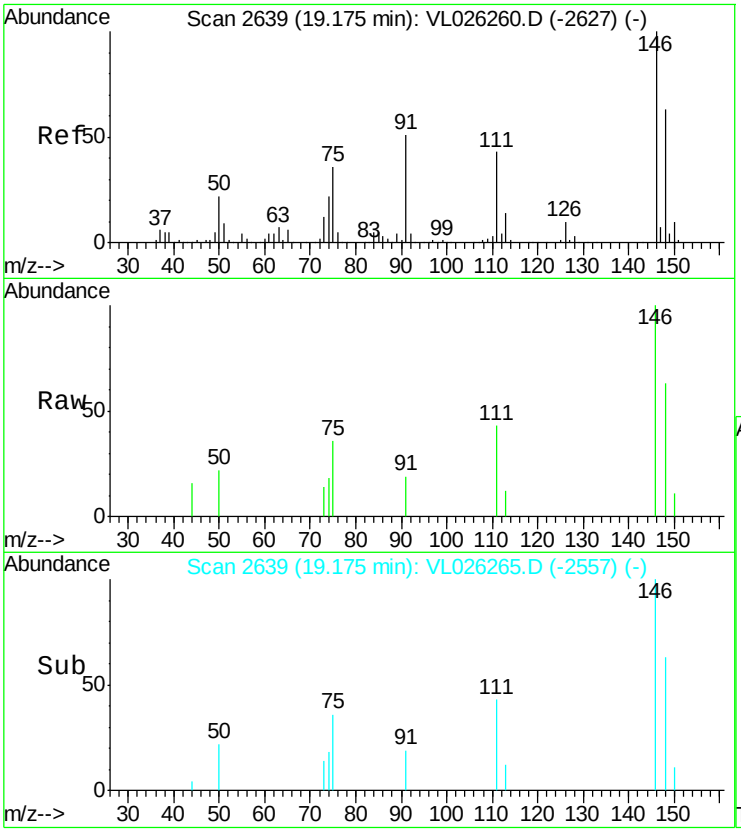


#74
1,2,4-Trimethylbenzene
Concen: 0.05 ppbv
RT: 18.88 min Scan# 2591
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:105 Resp: 15128

Ion	Ratio	Lower	Upper
105	100		
120	41.5	41.2	61.8
91	24.1	37.8	56.8#
77	15.7	16.1	24.1#



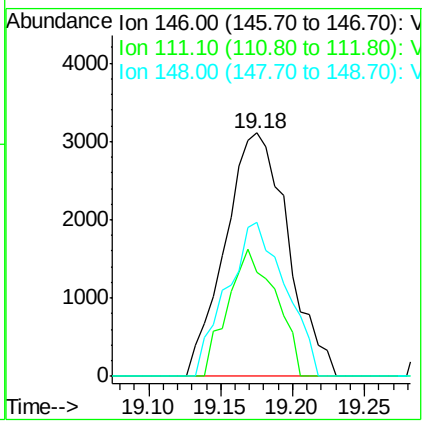


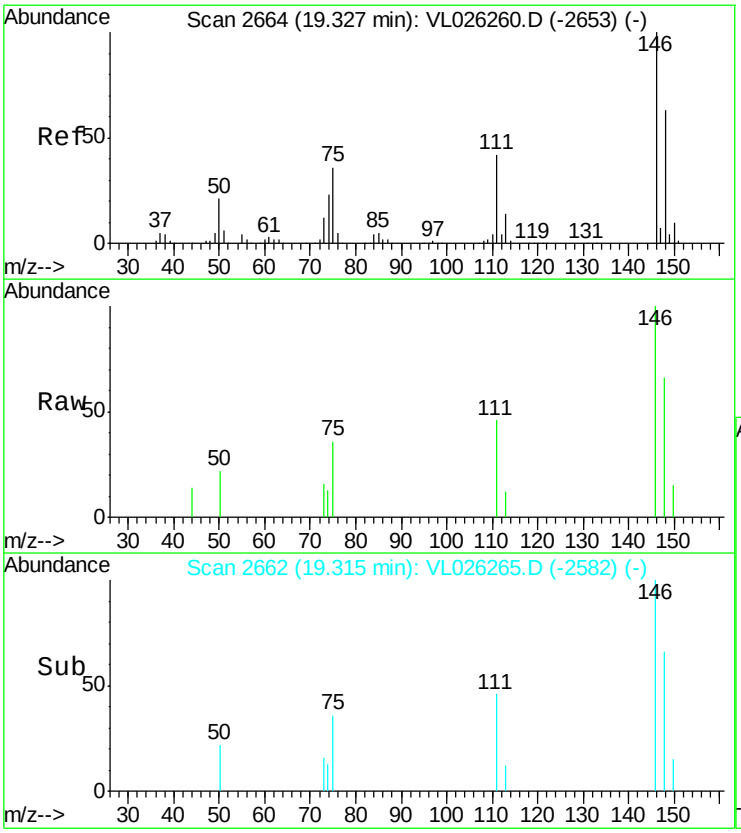
#75
1,3-Dichlorobenzene
Concen: 0.05 ppbv
RT: 19.18 min Scan# 2639
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:146 Resp: 9413

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.9	65.5
148	58.7	31.8	95.3

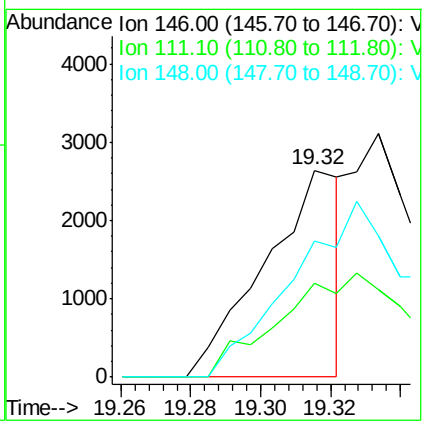


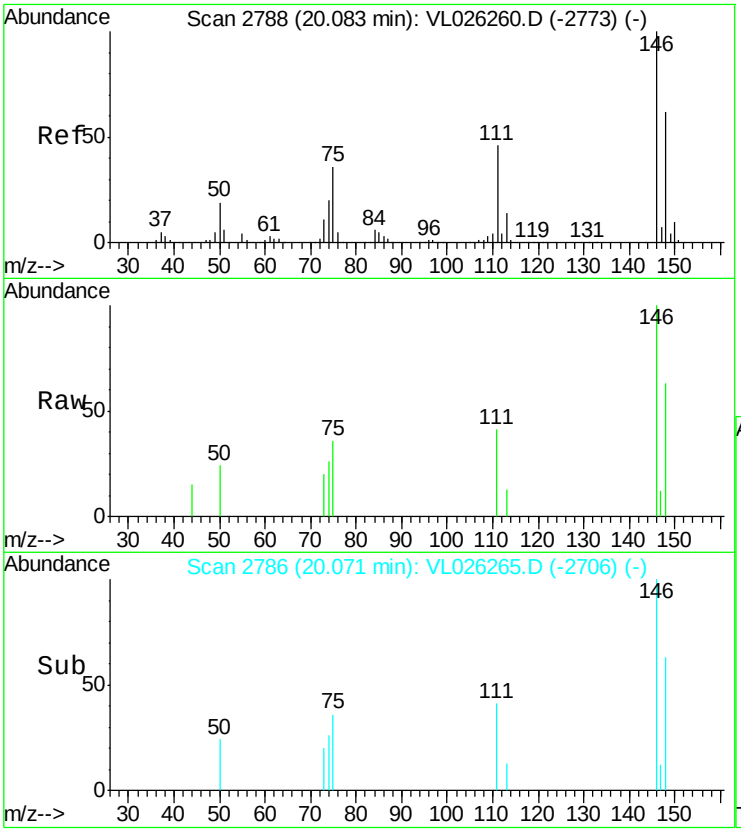


#76
1,4-Dichlorobenzene
Concen: 0.02 ppbv
RT: 19.32 min Scan# 2662
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:146 Resp: 4050

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.4#
148	0.0	31.8	95.3#



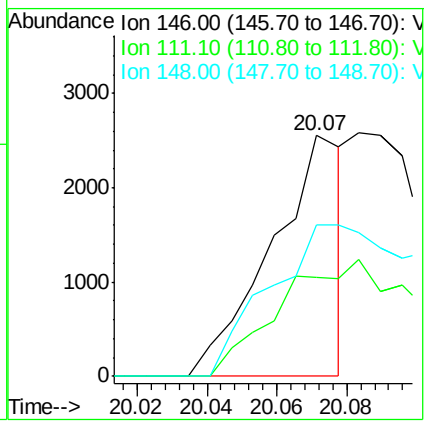


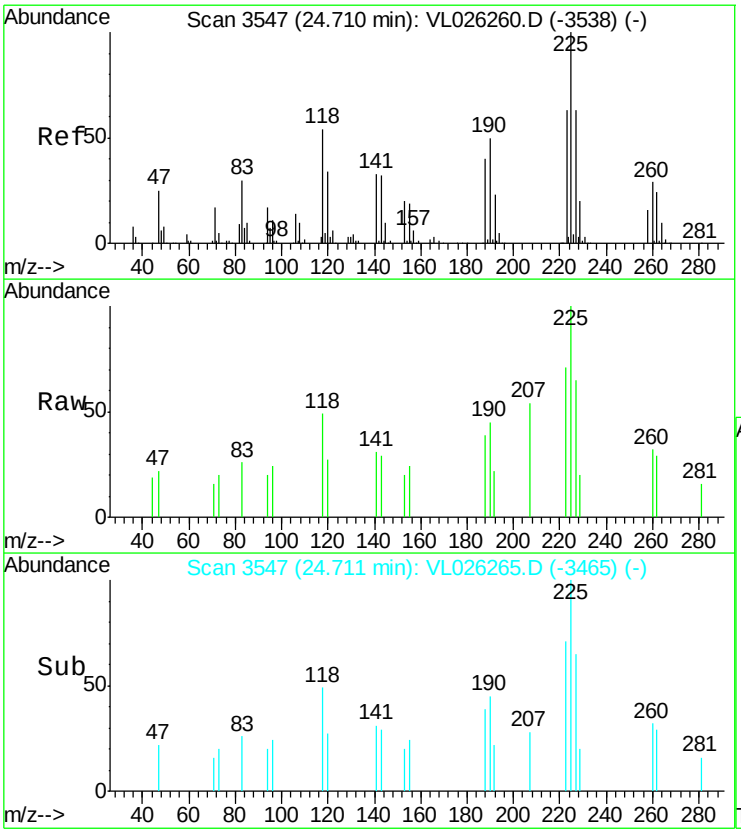
#77
1,2-Dichlorobenzene
Concen: 0.02 ppbv
RT: 20.07 min Scan# 2786
Delta R.T. -0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 3680

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.3#
148	137.7	31.6	94.8#

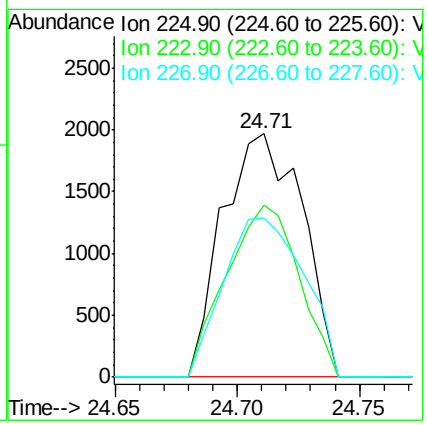


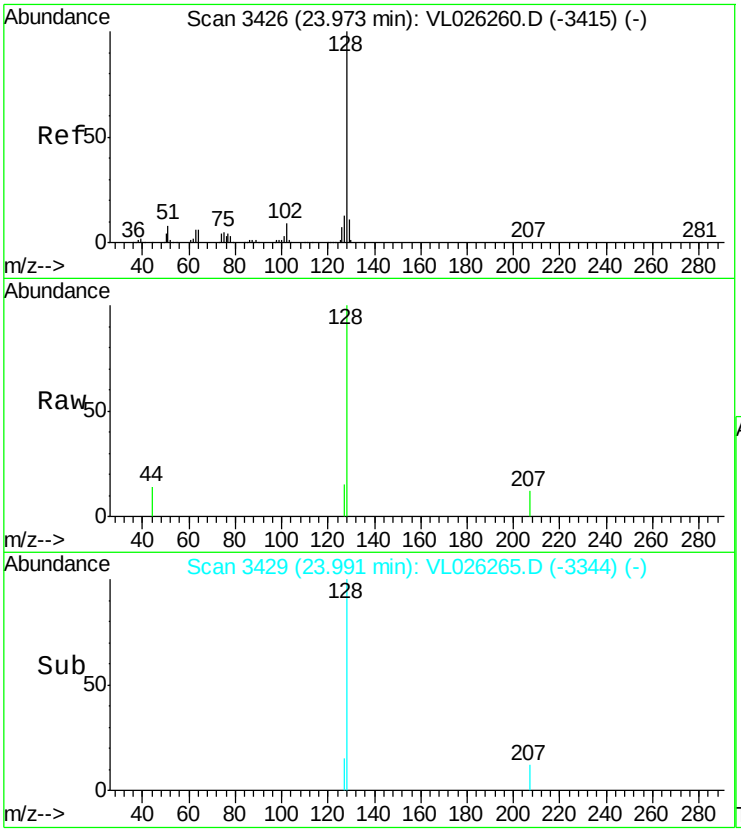


#78
Hexachloro-1,3-Butadiene
Concen: 0.06 ppbv
RT: 24.71 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:225 Resp: 4441

Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.0	76.6
227	66.4	51.3	76.9



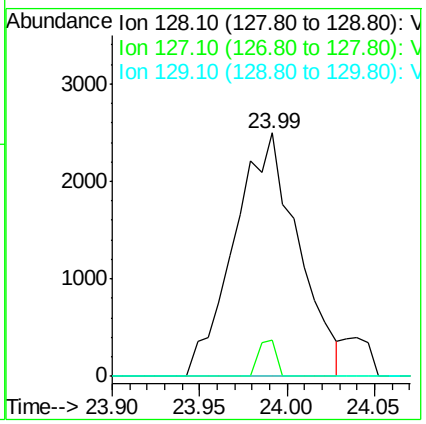


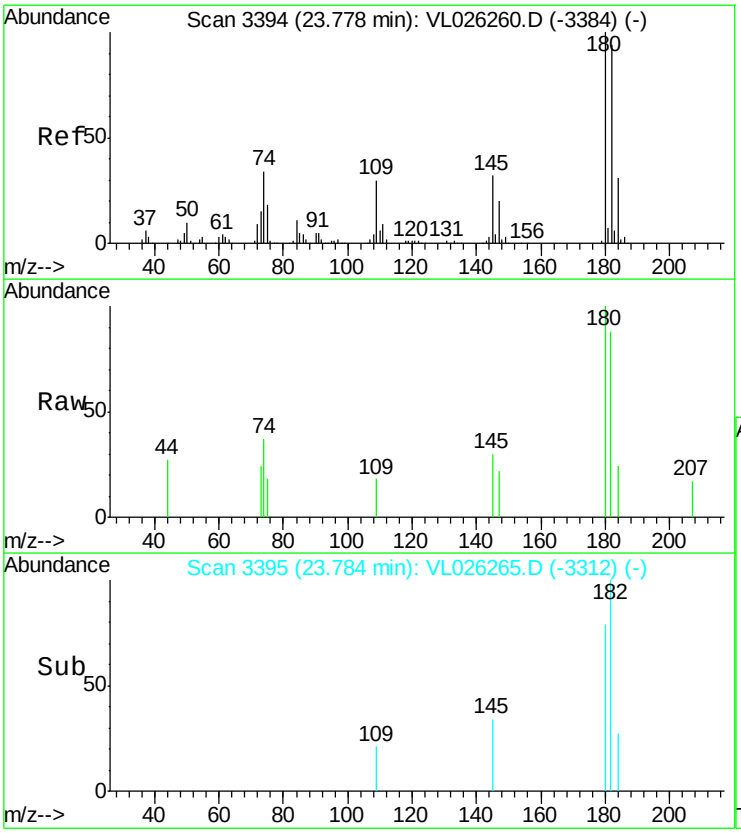
#79
Naphthalene
Concen: 0.03 ppbv
RT: 23.99 min Scan# 3429
Delta R.T. 0.02 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 6361

Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.1	15.1
129	0.0	8.8	13.2#





#81
1,2,4-Trichlorobenzene
Concen: 0.04 ppbv
RT: 23.78 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL026265.D
Acq: 29 Oct 2015 12:35

Tgt Ion:180 Resp: 4071

Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.0	114.0
184	21.1	24.2	36.4#