Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026657.D
Acq On : 9 Jan 2016 1:36
Operator : SY/AP
Sample : VL0108ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0108ABS01

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

Quant Time: Jan 12 03:48:59 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 1
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.63	49	734119	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	8.31	114	2304009	10.00	ppbv		0.00
55) Chlorobenzene-d5	13.72	117	2935833m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	16.26	95	2510777	10.73	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.63	85	1496062	7.67	ppbv		99
3) Chlorodifluoromethane	3.56	51	899948	9.21	ppbv		96
4) Chloromethane	3.73	50	438794	9.18	ppbv		99
5) Vinyl Chloride	3.87	62	511662	8.84	ppbv		97
6) Bromomethane	4.12	94	428396	10.39	ppbv		100
7) Chloroethane	4.22	64	229543	9.81	ppbv		99
8) Dichlorotetrafluoroethane	3.79	85	1555197	10.14	ppbv		100
9) Propene	3.58	41	304921	8.68	ppbv		99
10) Heptane	9.33	43	1165205	8.90	ppbv		96
11) Trichlorofluoromethane	4.68	101	2189763	10.82	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1284746	10.33	ppbv		98
13) Ethanol	4.31	45	28901m	4.33	ppbv		
14) Bromoethene	4.43	108	455786	10.18	ppbv		98
15) Acetone	4.58	43	1053269	8.72	ppbv		98
16) 1,3-Butadiene	3.95	39	452571	9.39	ppbv		100
17) tert-Butyl alcohol	5.10	59	964365	10.59	ppbv		100
18) 1,1-Dichloroethene	5.07	96	528264	10.19	ppbv		97
19) Isopropyl Alcohol	4.73	45	371490	7.46	ppbv	#	98
20) Methylene Chloride	5.14	84	475993	9.61	ppbv		96
21) Allyl Chloride	5.21	41	698481	9.43	ppbv		91
22) trans-1,2-Dichloroethene	5.74	96	579761	9.79	ppbv		95
23) Vinyl Acetate	5.96	43	1593026	8.59	ppbv		98
24) 1,1-Dichloroethane	5.89	63	1300340	9.72	ppbv		97
25) Ethyl Acetate	6.65	43	1682617	9.03	ppbv		99
26) Hexane	6.64	57	879888	9.13	ppbv		95
27) Carbon Disulfide	5.37	76	1517196	10.59	ppbv		96
28) Methyl tert-Butyl Ether	5.93	73	1937661	10.11	ppbv		97
29) Chloroform	6.73	83	1735206	9.92	ppbv		100
30) Cyclohexane	8.26	84	934640	9.82	ppbv		95
31) cis-1,2-Dichloroethene	6.50	61	937935	9.65	ppbv		99
32) 1,1,1-Trichloroethane	7.58	97	1899498	9.62	ppbv		99
34) 2-Butanone	6.18	43	988633	8.05	ppbv		97
35) Carbon Tetrachloride	8.14	117	1931615	9.53	ppbv		97
36) Benzene	8.01	78	2068398	8.72	ppbv		98
37) 1,2-Dichloroethane	7.35	62	1543778	9.52	ppbv		99
38) Trichloroethene	9.04	130	872153	8.24	ppbv		99
39) 1,2-Dichloropropane	8.81	63	700537	8.55	ppbv		91
40) 1,4-Dioxane	9.10	88	102921	5.46	ppbv	#	1
41) Tetrahydrofuran	7.10	42	517362	8.51	ppbv		97
42) Bromodichloromethane	9.01	83	2007247	9.58	ppbv		99
43) Methyl Methacrylate	9.24	69	820105	9.47	ppbv		96

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026657.D
Acq On : 9 Jan 2016 1:36
Operator : SY/AP
Sample : VL0108ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

Quant Time: Jan 12 03:48:59 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 1
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	3203919	8.37	ppbv		98
45) t-1,3-Dichloropropene	10.63	75	1434653	10.23	ppbv		98
46) cis-1,3-Dichloropropene	10.00	75	1545760	9.69	ppbv		97
47) 1,1,2-Trichloroethane	10.86	97	1039278	8.89	ppbv		97
48) Dibromochloromethane	11.78	129	1738306	9.92	ppbv		99
49) Bromoform	14.79	173	1415563	9.90	ppbv		99
50) 4-Methyl-2-Pentanone	10.06	43	1518552	8.80	ppbv		99
51) 2-Hexanone	11.59	43	1492533	9.38	ppbv	#	100
52) Tetrachloroethene	12.77	164	987602	8.33	ppbv		98
53) Toluene	11.21	91	3110464	9.31	ppbv		99
54) 1,2-Dibromoethane	12.12	107	1674374	9.05	ppbv		97
56) 1,1,1,2-Tetrachloroethane	13.76	131	1291833	9.56	ppbv		99
57) Chlorobenzene	13.79	112	2605326	8.62	ppbv		99
58) Ethyl Benzene	14.39	91	4999761	9.53	ppbv		100
59) m/p-Xylene	14.69	91	7799695m	18.05	ppbv		
60) o-Xylene	15.47	91	4084511	8.75	ppbv		100
61) Styrene	15.29	104	1869312	10.24	ppbv		99
62) Isopropylbenzene	16.52	105	5765086	9.32	ppbv		100
63) 1,1,2,2-Tetrachloroethane	15.46	83	2462514	7.07	ppbv		99
64) n-propylbenzene	17.49	120	1536454	9.26	ppbv		98
65) tert-Butylbenzene	18.78	119	4966182	8.77	ppbv		99
66) Benzyl Chloride	19.08	91	1910782	9.44	ppbv		99
67) sec-Butylbenzene	19.39	105	7662234	9.12	ppbv		100
69) p-Isopropyltoluene	19.77	119	6041121	9.39	ppbv		99
70) n-Butylbenzene	20.73	91	6259774	9.36	ppbv		100
71) 2-Chlorotoluene	17.40	91	4524486	9.40	ppbv		98
72) 4-Ethyltoluene	17.80	105	4993493	9.56	ppbv		100
73) 1,3,5-Trimethylbenzene	17.96	105	4613384	9.32	ppbv		99
74) 1,2,4-Trimethylbenzene	18.81	105	4485762	8.54	ppbv		96
75) 1,3-Dichlorobenzene	19.10	146	2805349	8.64	ppbv		99
76) 1,4-Dichlorobenzene	19.25	146	2901409	8.71	ppbv		100
77) 1,2-Dichlorobenzene	20.00	146	2867921	8.70	ppbv		99
78) Hexachloro-1,3-Butadiene	24.66	225	1002843	7.46	ppbv		99
79) Naphthalene	23.91	128	2636544	7.43	ppbv		99
80) Naphthalene,2-methyl-	26.03	142	357664	6.50	ppbv		98
81) 1,2,4-Trichlorobenzene	23.71	180	1268042	7.85	ppbv		99

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

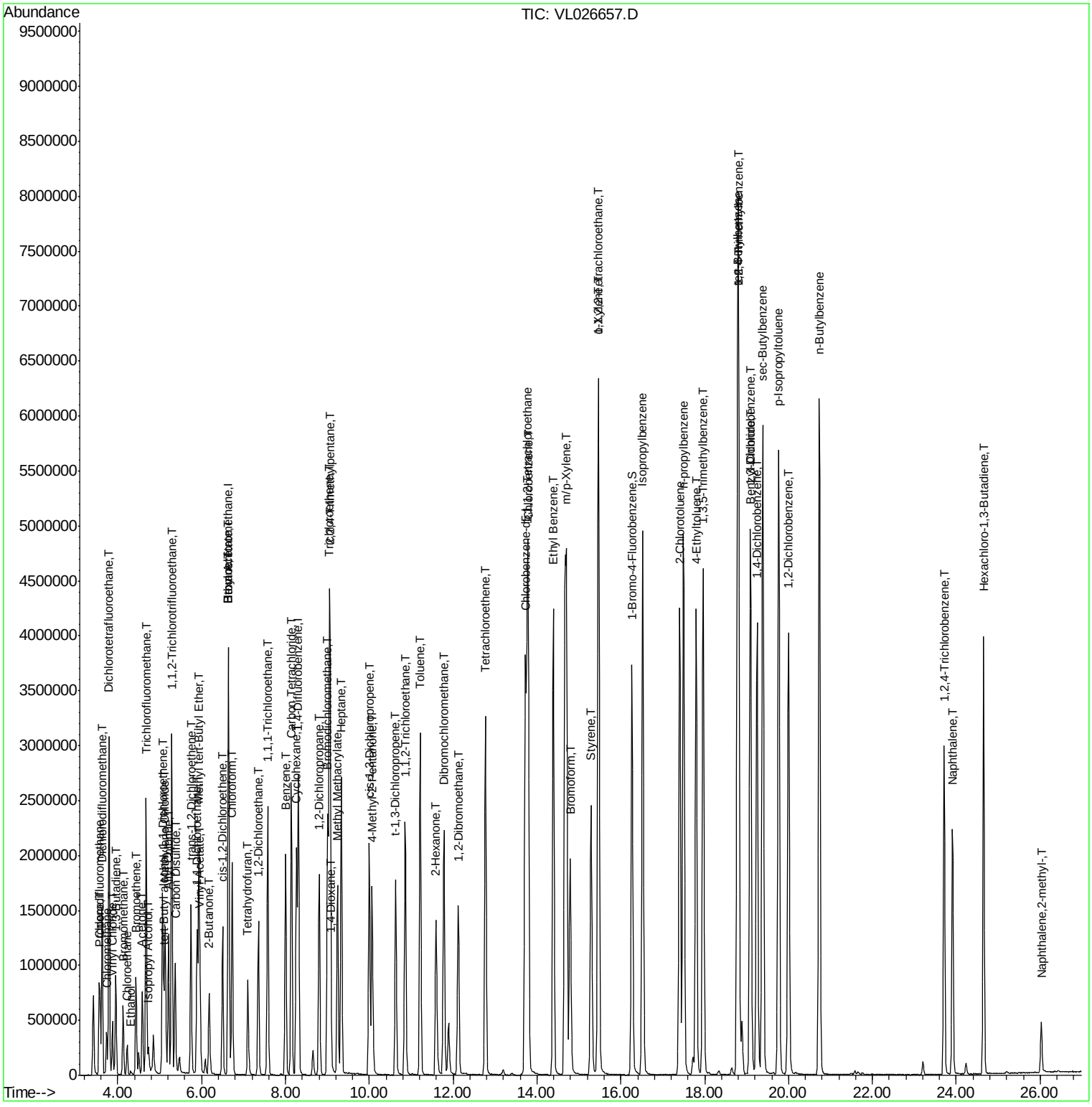
Quantitation Report (QT Reviewed)

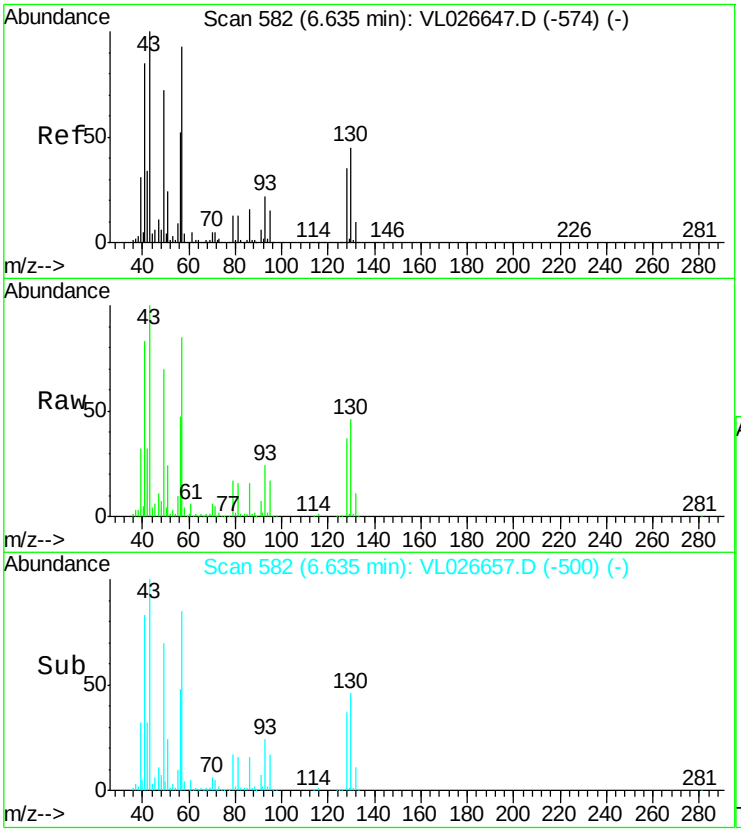
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL010816\
Data File : VL026657.D
Acq On : 9 Jan 2016 1:36
Operator : SY/AP
Sample : VL0108ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 12 03:48:59 2016
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

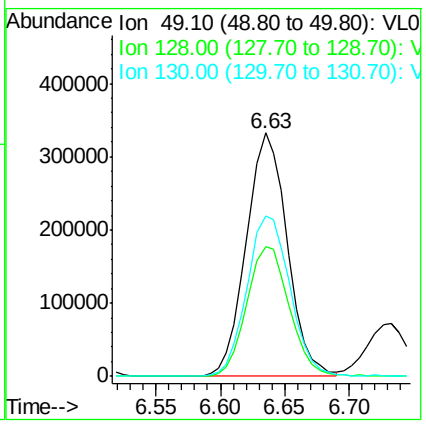




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

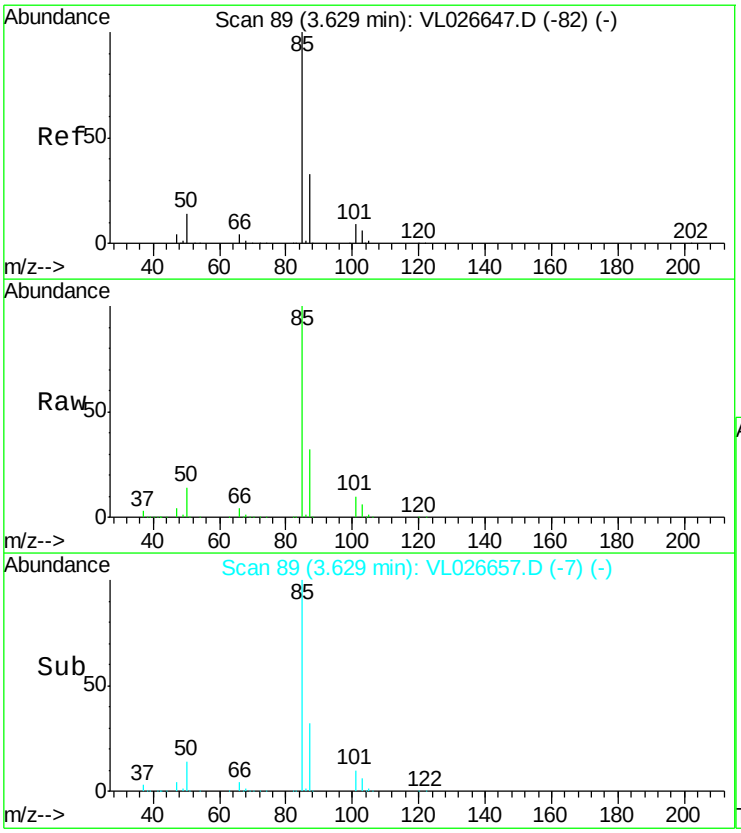
Tgt Ion: 49 Resp: 734119

Ion	Ratio	Lower	Upper
49	100		
128	55.7	25.9	77.7
130	70.0	33.6	100.8



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

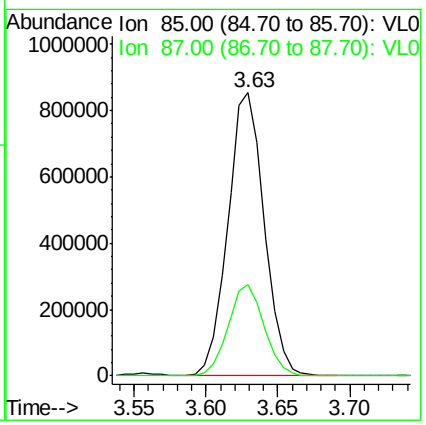
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

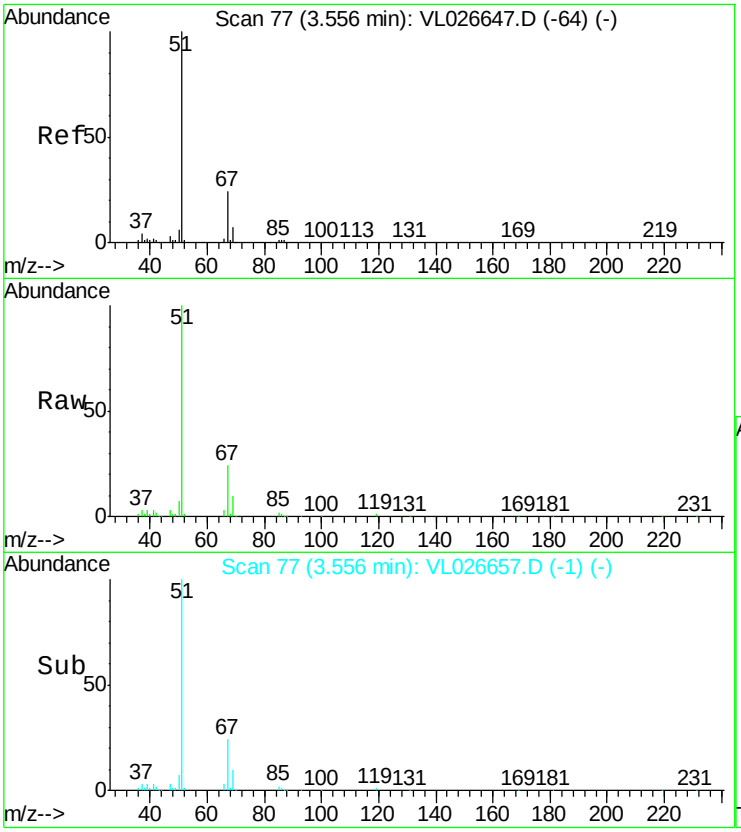


#2
Dichlorodifluoromethane
Concen: 7.67 ppbv
RT: 3.63 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 85 Resp: 1496062

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.4	39.6

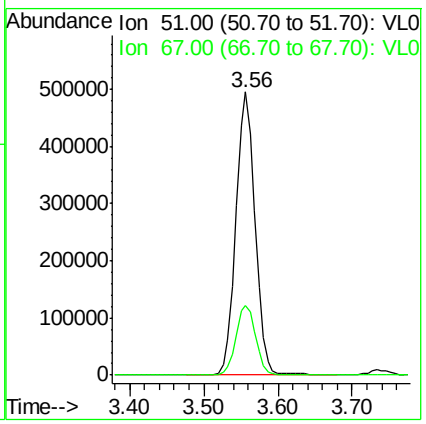




#3
Chlorodifluoromethane
Concen: 9.21 ppbv
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

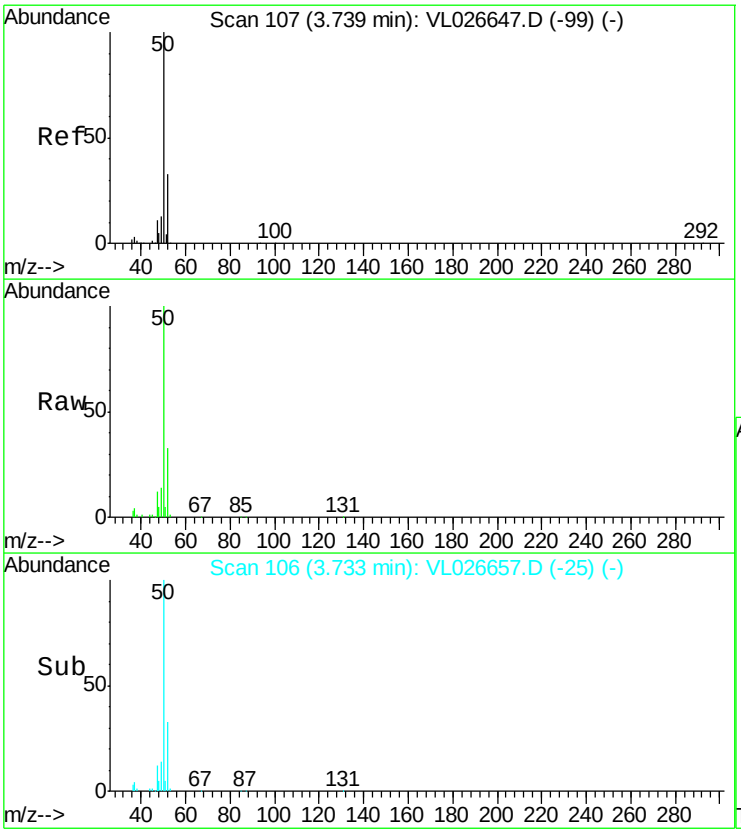
Tgt Ion: 51 Resp: 899948

Ion	Ratio	Lower	Upper
51	100		
67	25.2	18.6	28.0



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

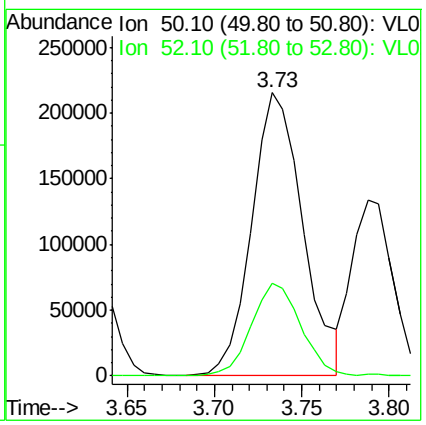
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

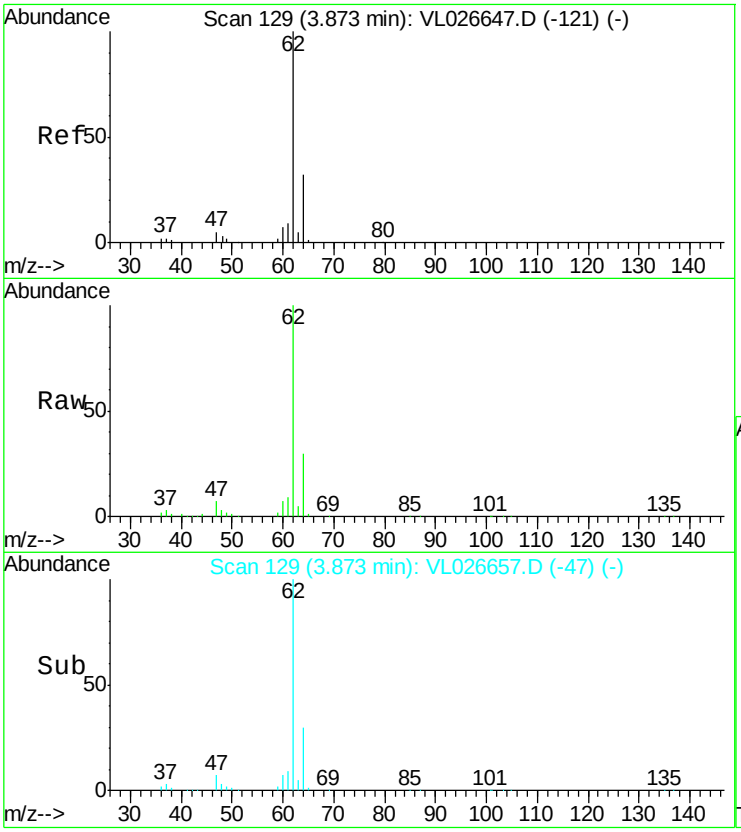


#4
Chloromethane
Concen: 9.18 ppbv
RT: 3.73 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 50 Resp: 438794

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.7	40.1

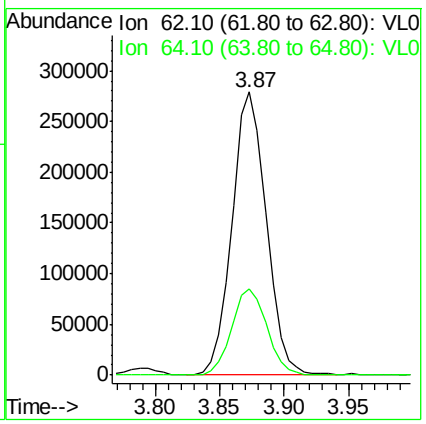




#5
Vinyl Chloride
Concen: 8.84 ppbv
RT: 3.87 min Scan# 129
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 62 Resp: 511662

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.6	38.4



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
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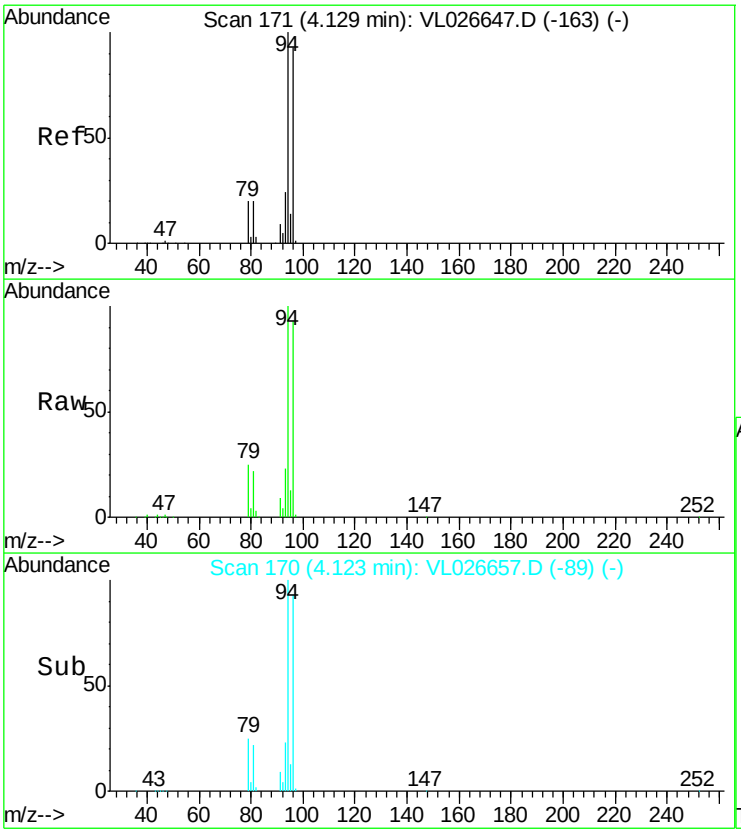
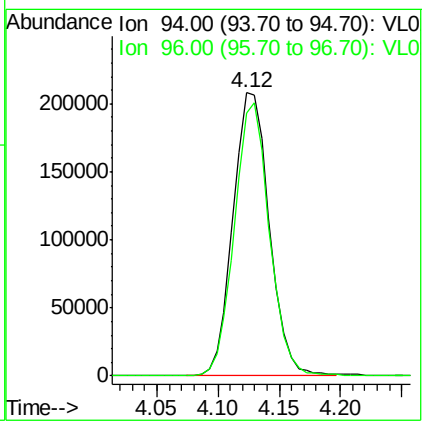
1/14/2016 10:51:12 AM

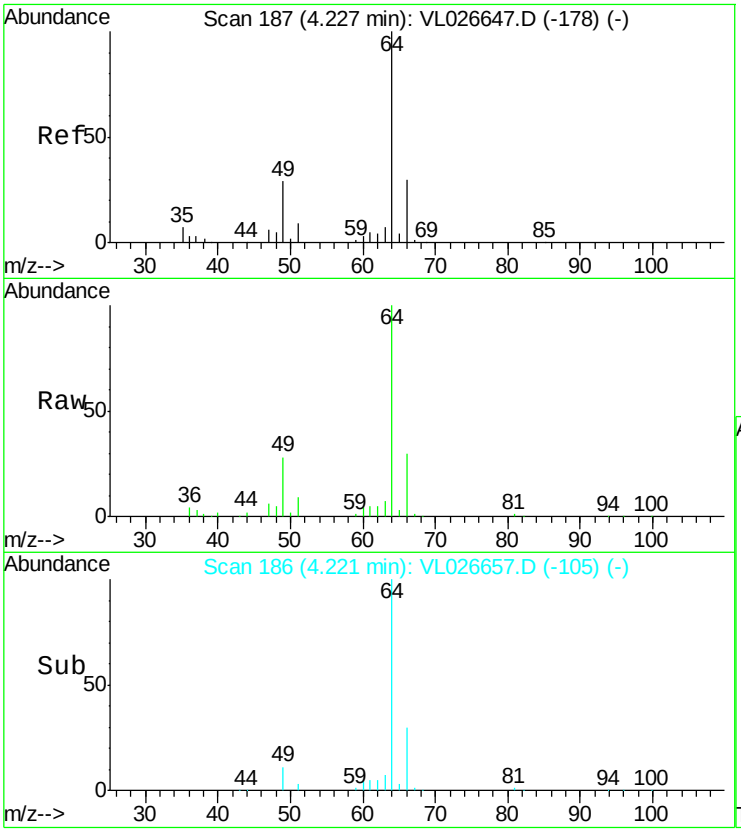


#6
Bromomethane
Concen: 10.39 ppbv
RT: 4.12 min Scan# 170
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 94 Resp: 428396

Ion	Ratio	Lower	Upper
94	100		
96	92.9	74.6	112.0

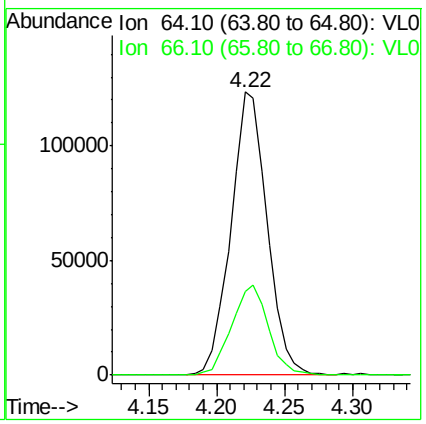




#7
Chloroethane
Concen: 9.81 ppbv
RT: 4.22 min Scan# 186
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

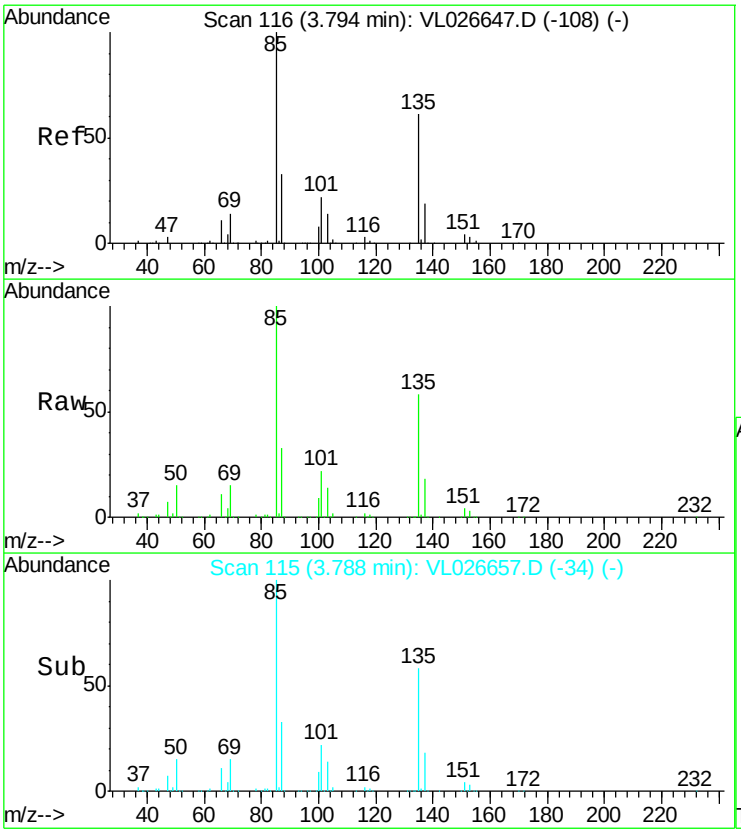
Tgt Ion: 64 Resp: 229543

Ion	Ratio	Lower	Upper
64	100		
66	29.7	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

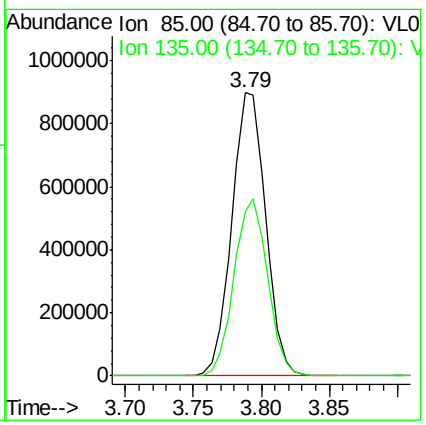
Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

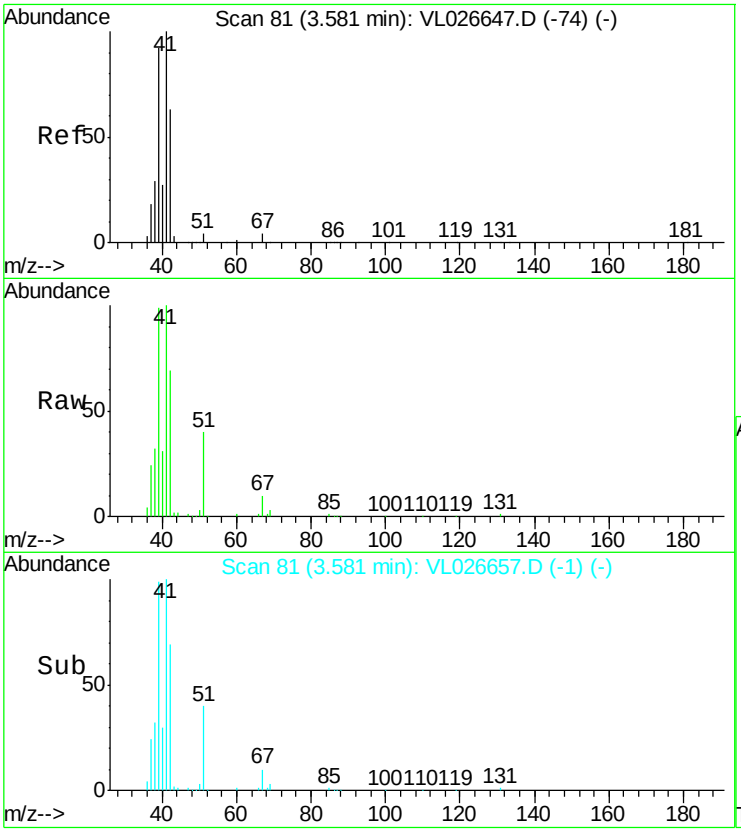


#8
Dichlorotetrafluoroethane
Concen: 10.14 ppbv
RT: 3.79 min Scan# 115
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 85 Resp: 1555197

Ion	Ratio	Lower	Upper
85	100		
135	62.4	49.8	74.6





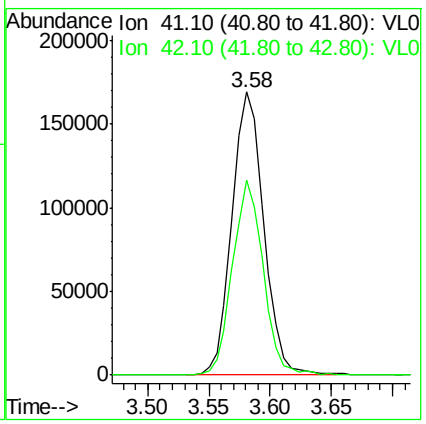
#9
Propene
Concen: 8.68 ppbv
RT: 3.58 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

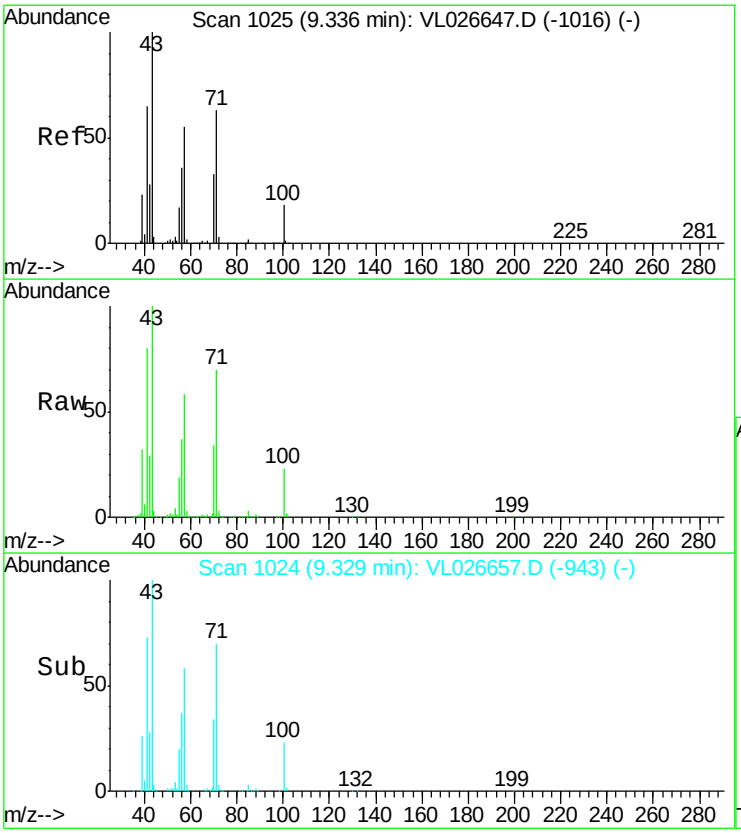
Tgt Ion: 41 Resp: 304921

Ion	Ratio	Lower	Upper
41	100		
42	66.5	53.6	80.4

Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

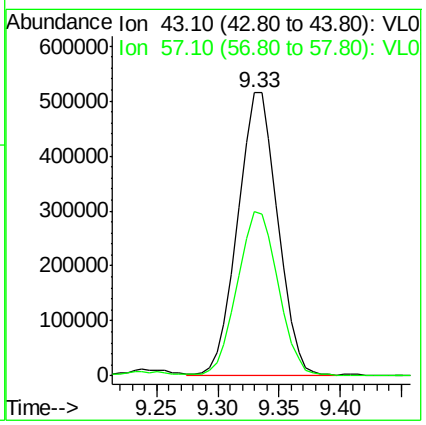


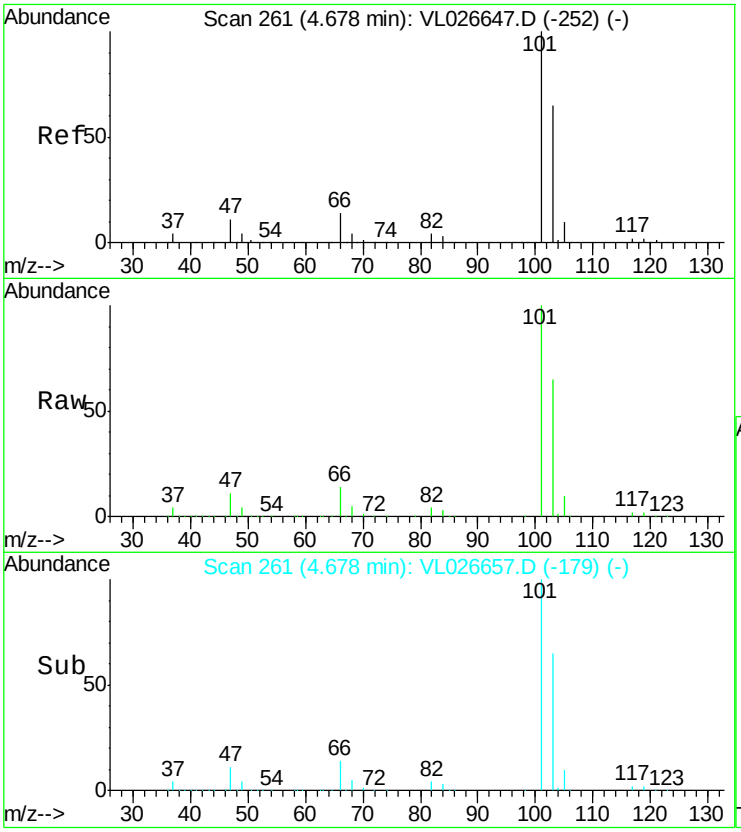


#10
Heptane
Concen: 8.90 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1165205

Ion	Ratio	Lower	Upper
43	100		
57	60.1	45.8	68.6





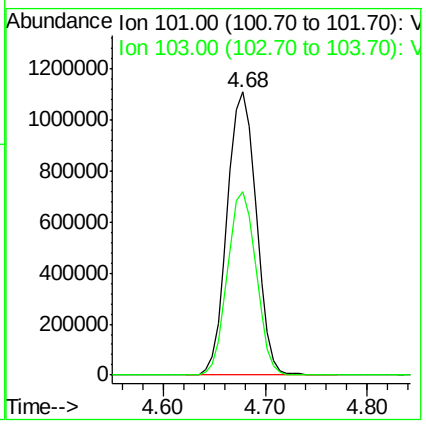
#11
Trichlorofluoromethane
Concen: 10.82 ppbv
RT: 4.68 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

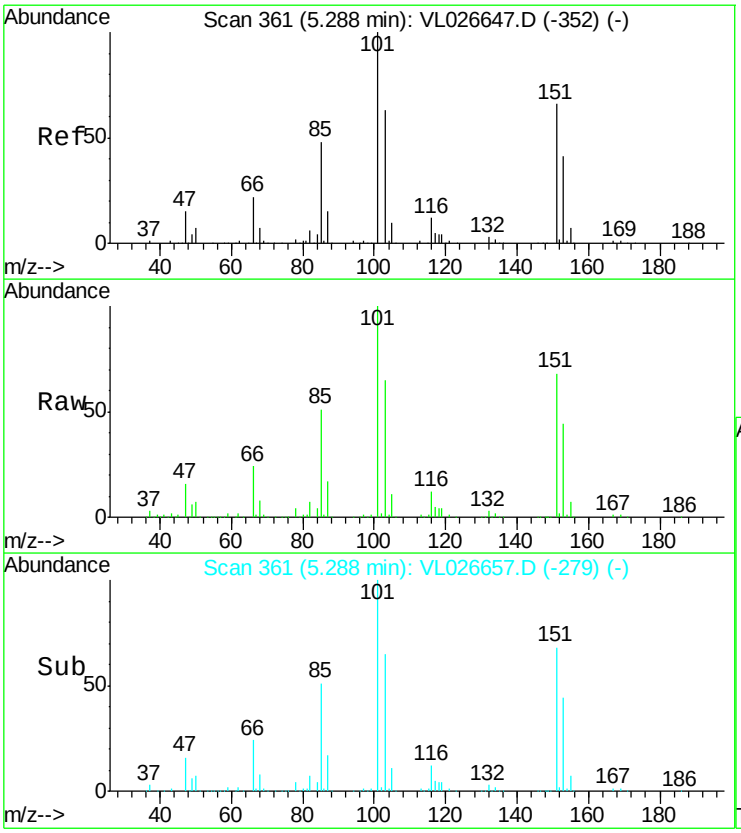
Tgt Ion:101 Resp: 2189763

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
MMdadoda
1/14/2016 10:51:12 AM

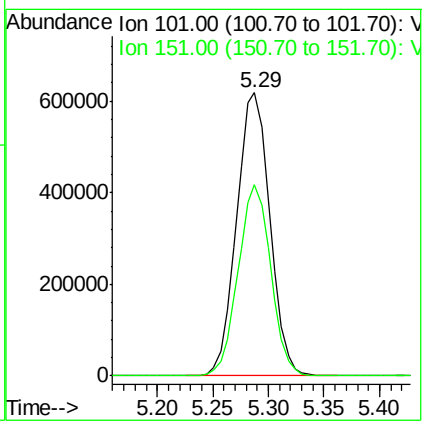


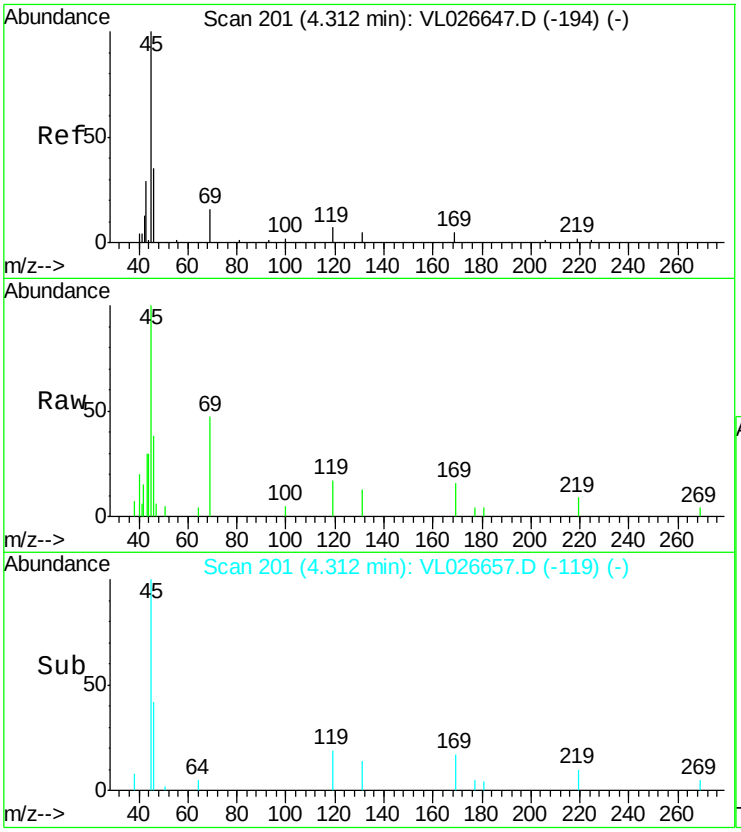


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.33 ppbv
RT: 5.29 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:101 Resp: 1284746

Ion	Ratio	Lower	Upper
101	100		
151	66.5	54.2	81.4

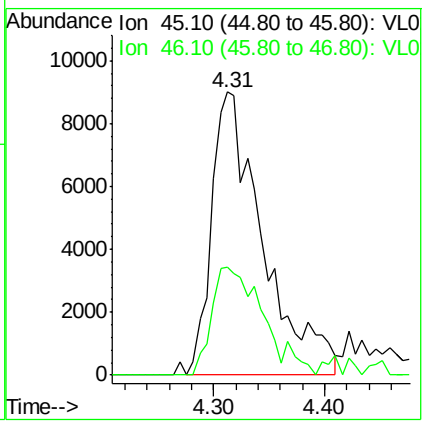




#13
Ethanol
Concen: 4.33 ppbv m
RT: 4.31 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 45 Resp: 28901

Ion	Ratio	Lower	Upper
45	100		
46	41.0	16.7	66.7



Instrument :
MSVOA_L
ClientSampleId :
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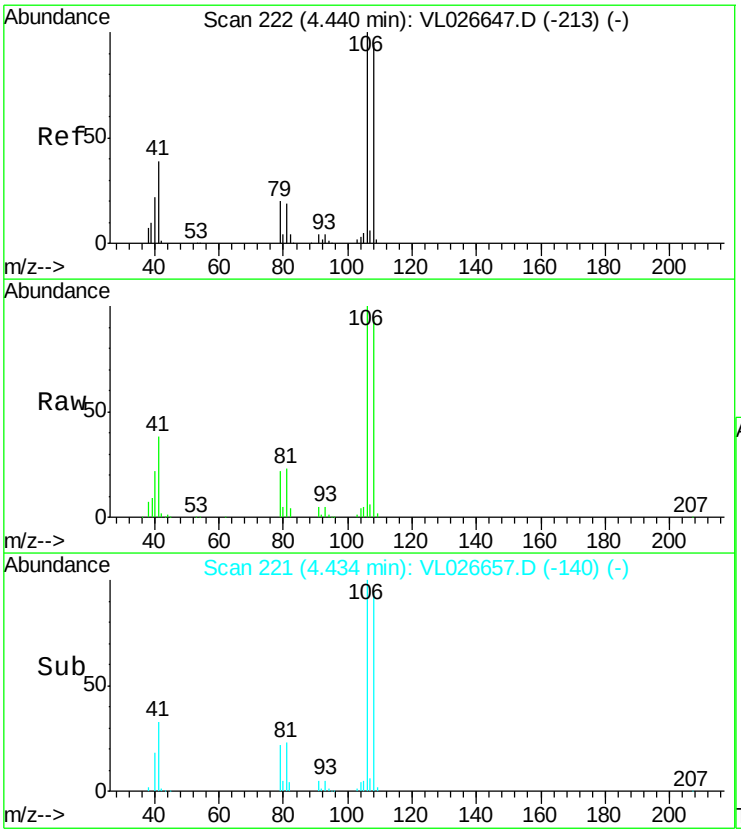
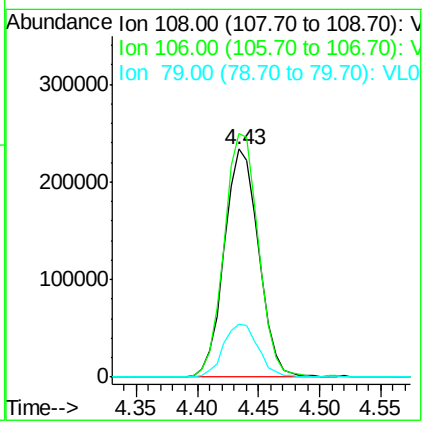
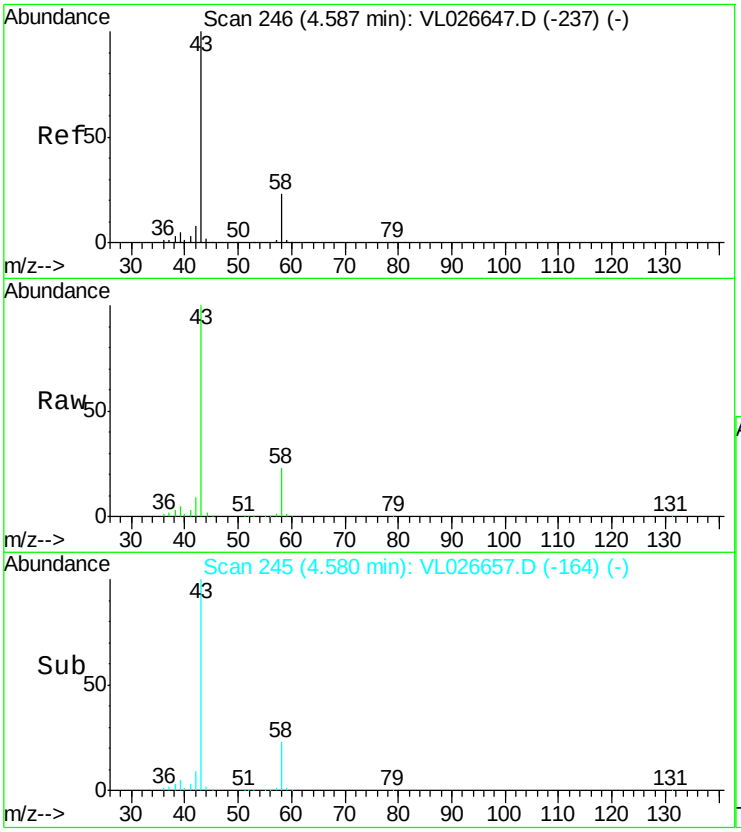


#14
Bromoethene
Concen: 10.18 ppbv
RT: 4.43 min Scan# 221
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:108 Resp: 455786

Ion	Ratio	Lower	Upper
108	100		
106	106.7	86.4	129.6
79	23.8	17.2	25.8

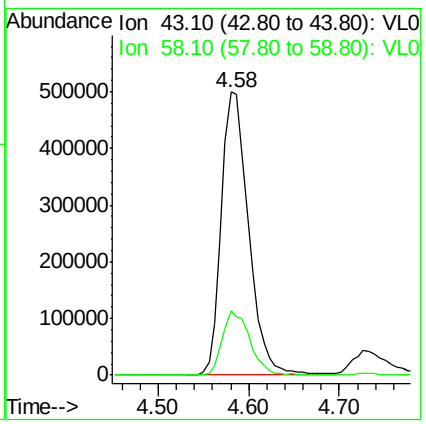




#15
Acetone
Concen: 8.72 ppbv
RT: 4.58 min Scan# 245
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1053269

Ion	Ratio	Lower	Upper
43	100		
58	23.0	19.2	28.8



Instrument :
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ClientSampleId :
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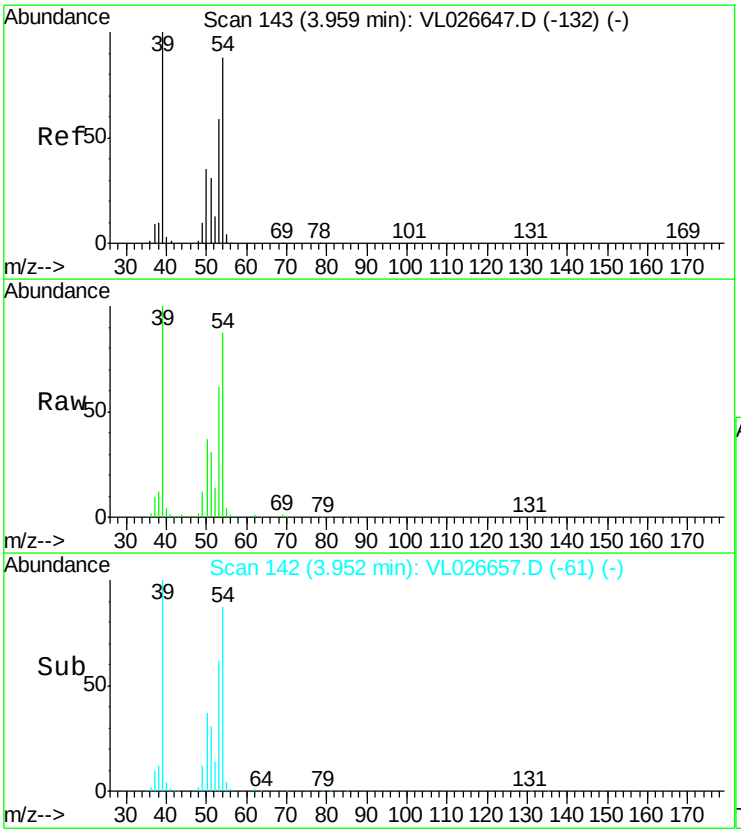
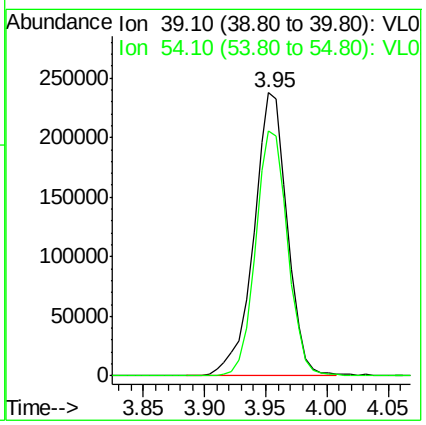
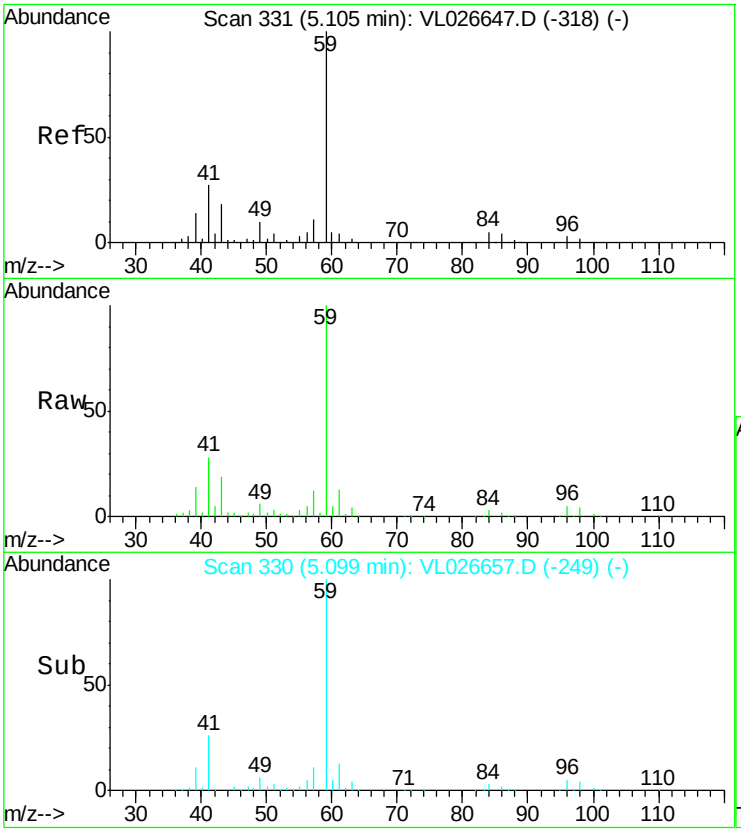


#16
1,3-Butadiene
Concen: 9.39 ppbv
RT: 3.95 min Scan# 142
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 39 Resp: 452571

Ion	Ratio	Lower	Upper
39	100		
54	83.1	66.6	100.0

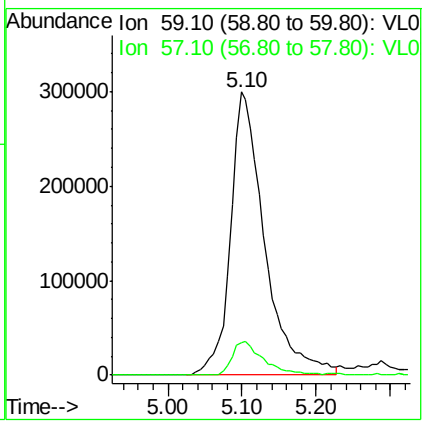




#17
tert-Butyl alcohol
Concen: 10.59 ppbv
RT: 5.10 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 59 Resp: 964365

Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.6



Instrument :
MSVOA_L
ClientSampleId :
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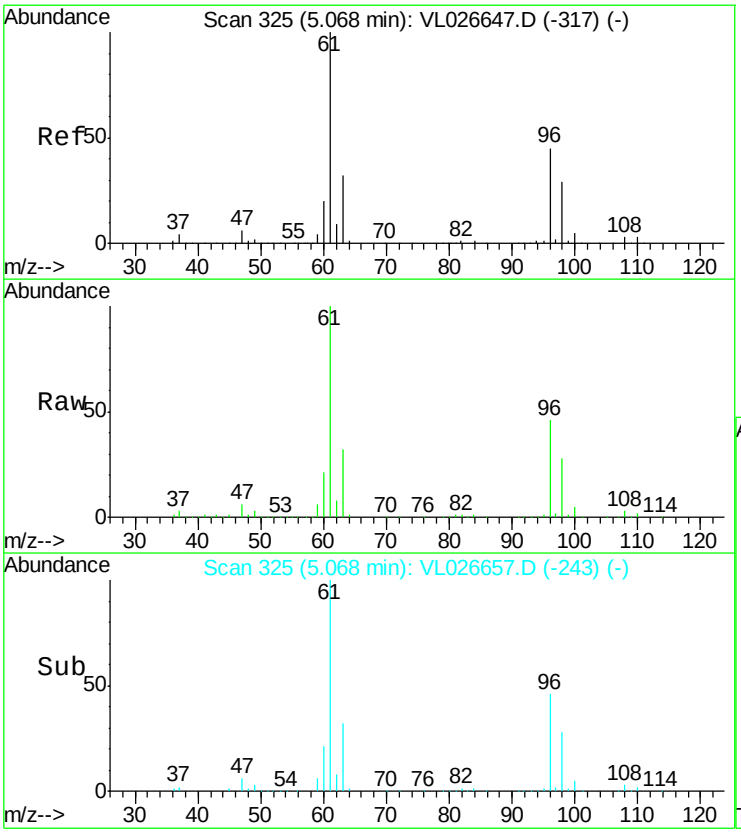
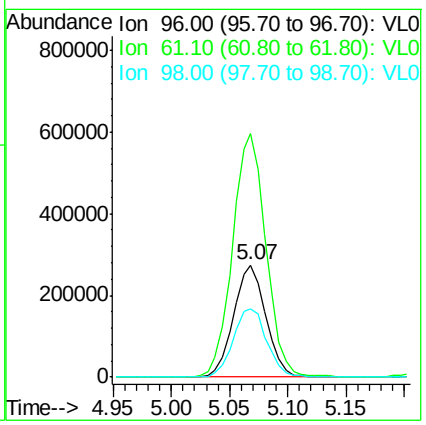
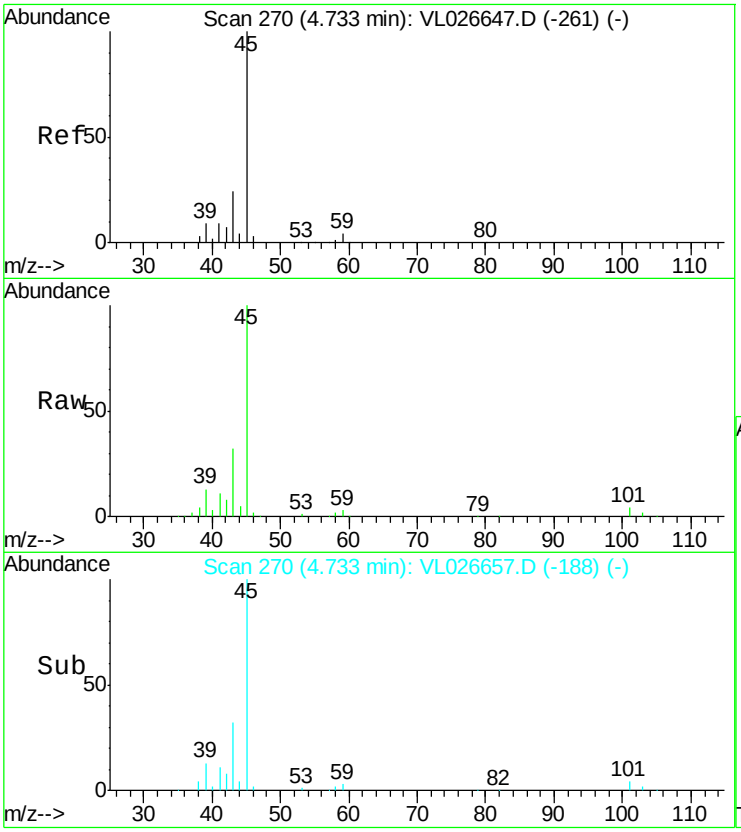


#18
1,1-Dichloroethene
Concen: 10.19 ppbv
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 96 Resp: 528264

Ion	Ratio	Lower	Upper
96	100		
61	216.8	176.7	265.1
98	61.2	51.8	77.6





#19
Isopropyl Alcohol
Concen: 7.46 ppbv
RT: 4.73 min Scan# 270
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 45 Resp: 371490

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.3	1.9#

Instrument :
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ClientSampleId :
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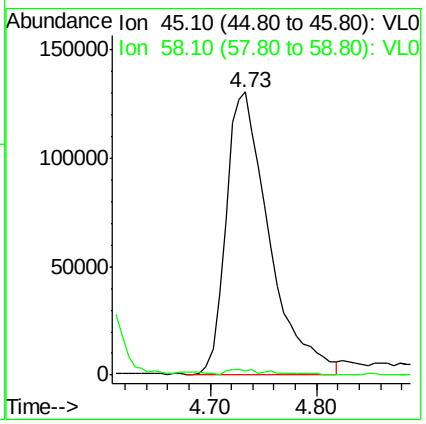
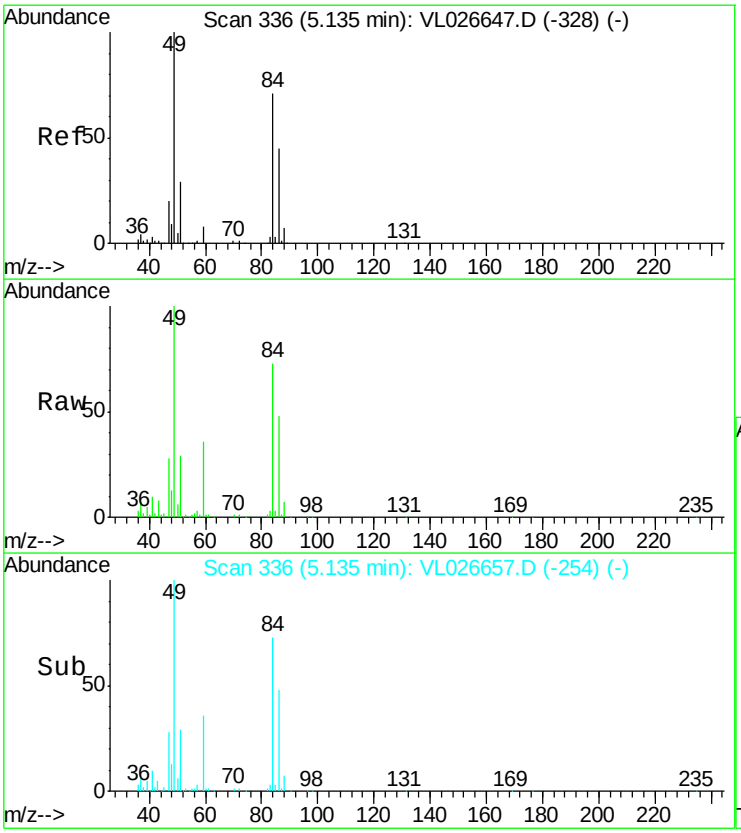
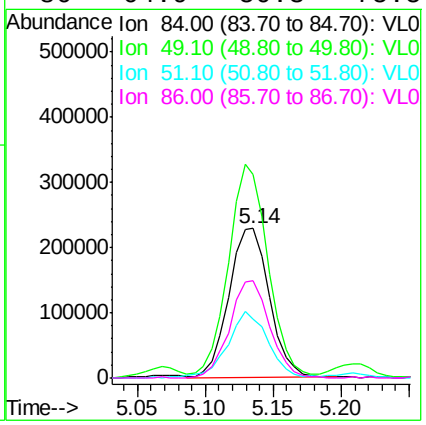


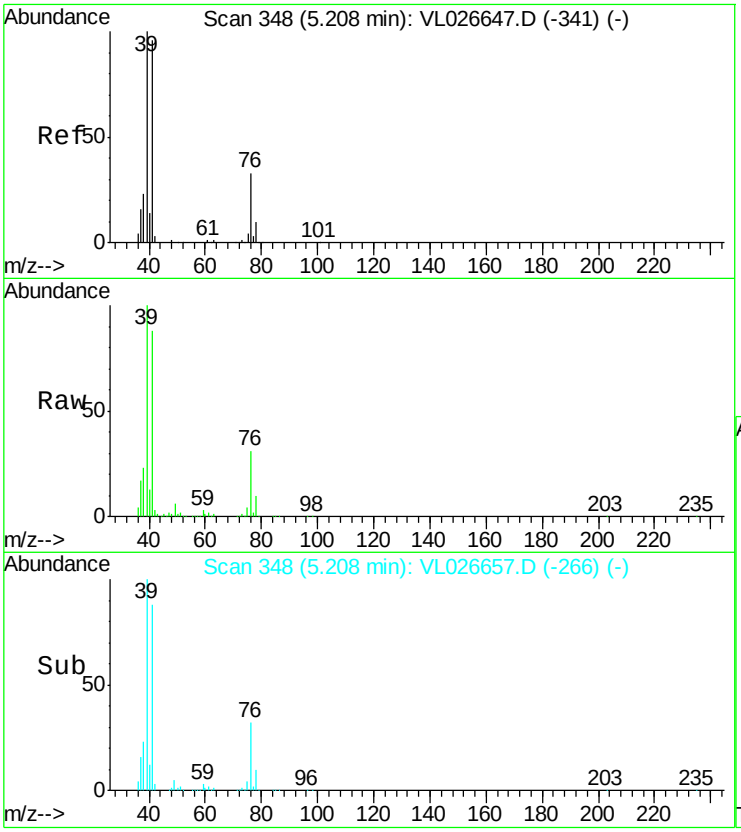


#20
Methylene Chloride
Concen: 9.61 ppbv
RT: 5.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 84 Resp: 475993

Ion	Ratio	Lower	Upper
84	100		
49	134.5	112.3	168.5
51	38.2	32.5	48.7
86	64.9	50.3	75.5

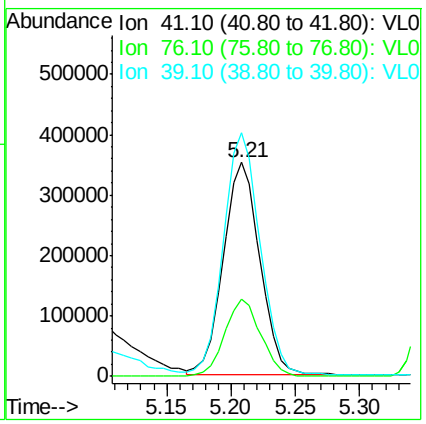




#21
Allvl Chloride
Concen: 9.43 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 41 Resp: 698481

Ion	Ratio	Lower	Upper
41	100		
76	35.7	27.5	41.3
39	115.2	83.0	124.6



Instrument :
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ClientSampleId :
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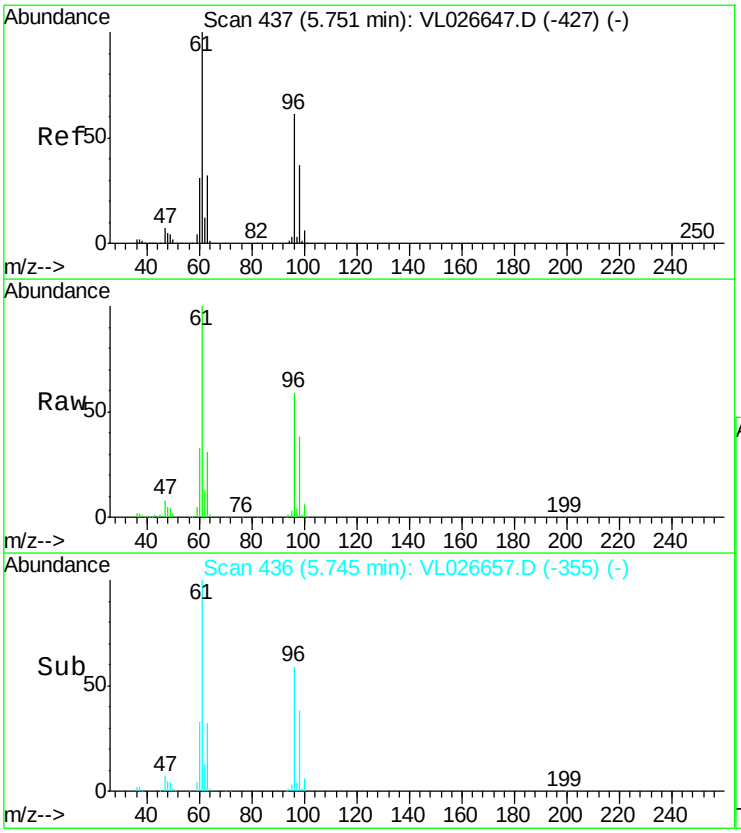
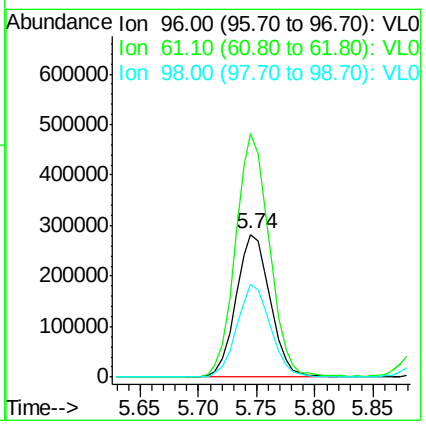
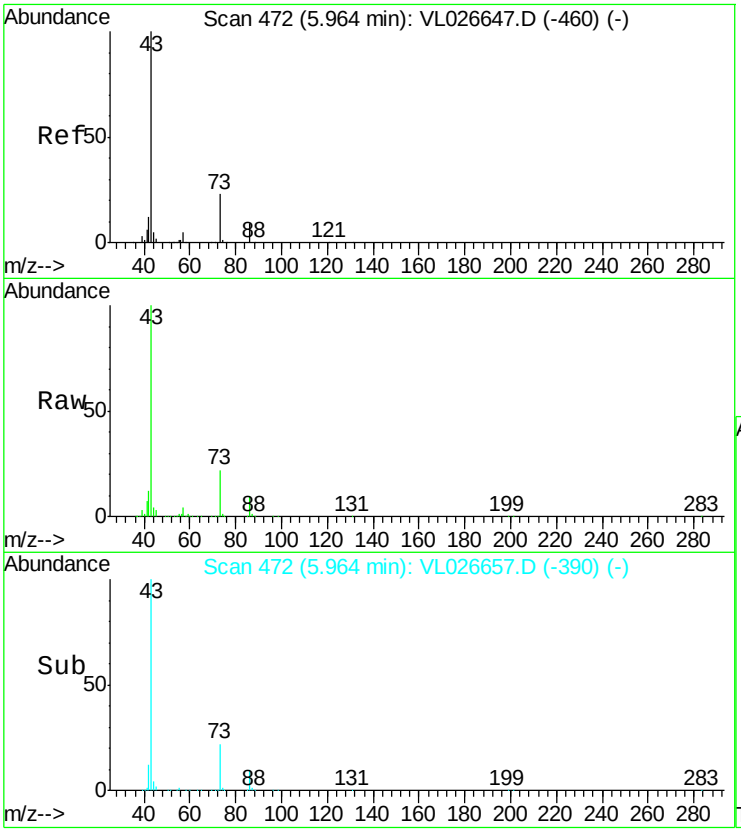


#22
trans-1,2-Dichloroethene
Concen: 9.79 ppbv
RT: 5.74 min Scan# 436
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 96 Resp: 579761

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	64.5	48.1	72.1

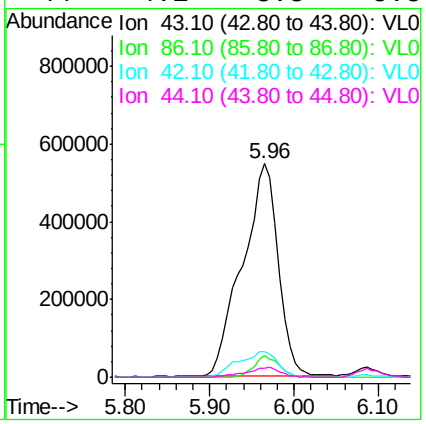




#23
Vinyl Acetate
Concen: 8.59 ppbv
RT: 5.96 min Scan# 472
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1593026

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.4	11.0
42	11.8	9.2	13.8
44	4.1	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
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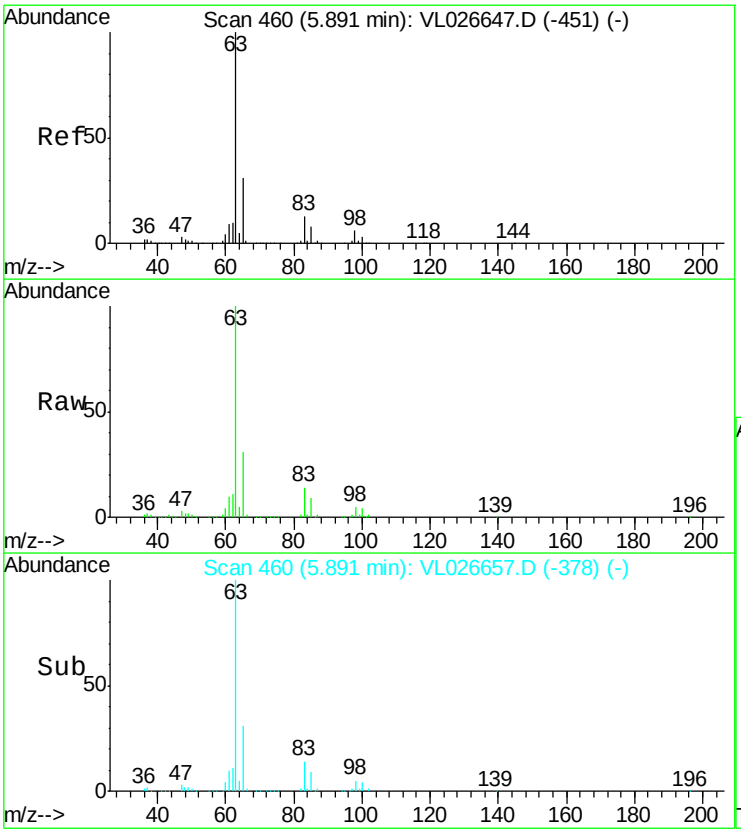
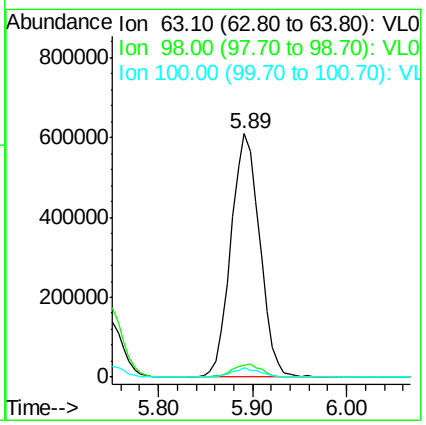
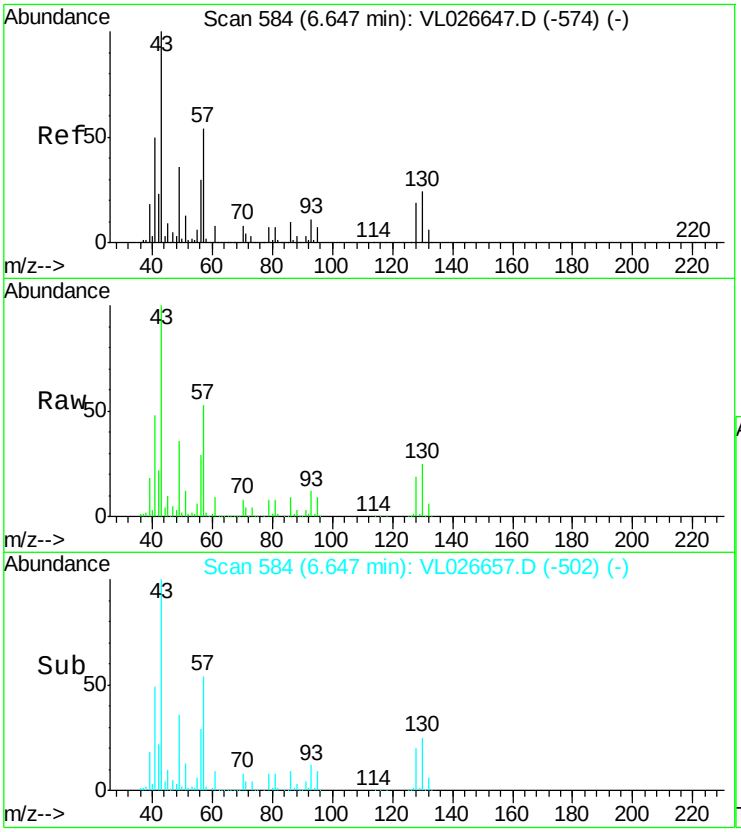


#24
1,1-Dichloroethane
Concen: 9.72 ppbv
RT: 5.89 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 63 Resp: 1300340

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.9	8.7
100	3.6	1.6	4.8

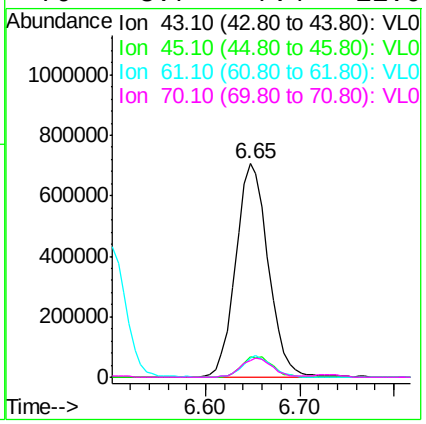




#25
Ethyl Acetate
Concen: 9.03 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1682617

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	9.0	7.3	10.9
70	8.7	7.4	11.0



Instrument :
MSVOA_L
ClientSampleId :
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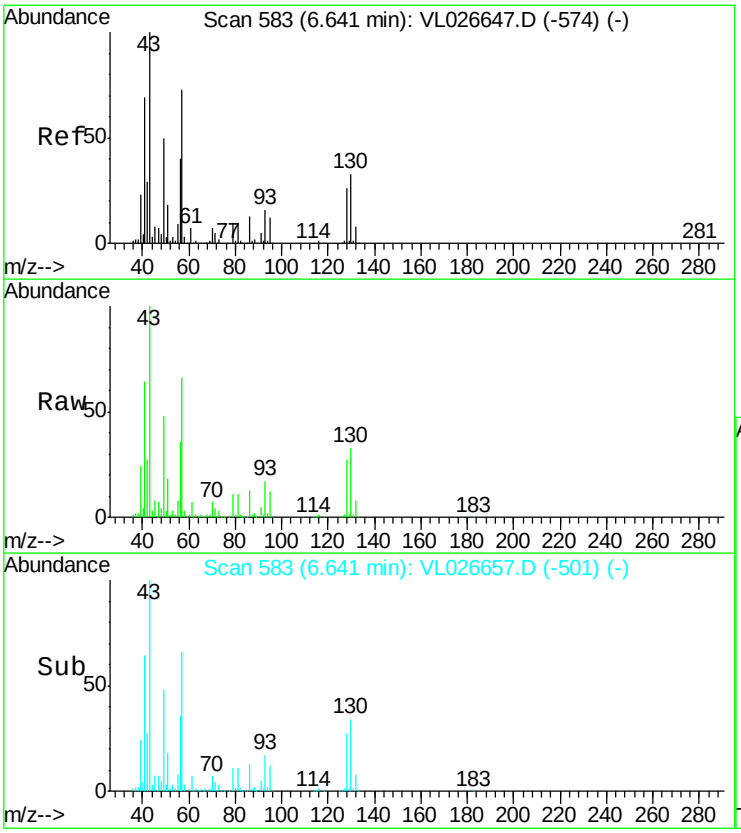
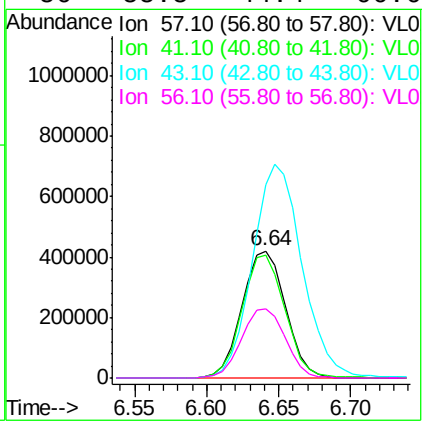
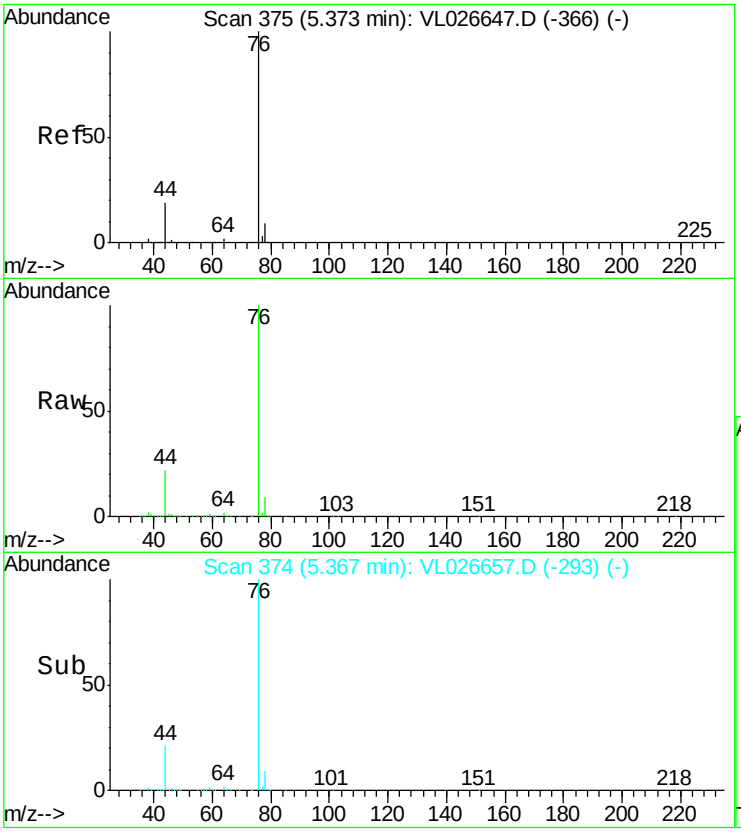


#26
Hexane
Concen: 9.13 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 57 Resp: 879888

Ion	Ratio	Lower	Upper
57	100		
41	96.7	74.8	112.2
43	192.0	161.5	242.3
56	55.5	44.4	66.6

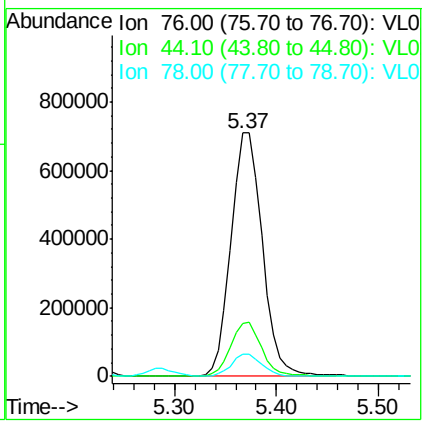




#27
Carbon Disulfide
Concen: 10.59 ppbv
RT: 5.37 min Scan# 374
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 76 Resp: 1517196

Ion	Ratio	Lower	Upper
76	100		
44	22.1	15.9	23.9
78	8.8	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
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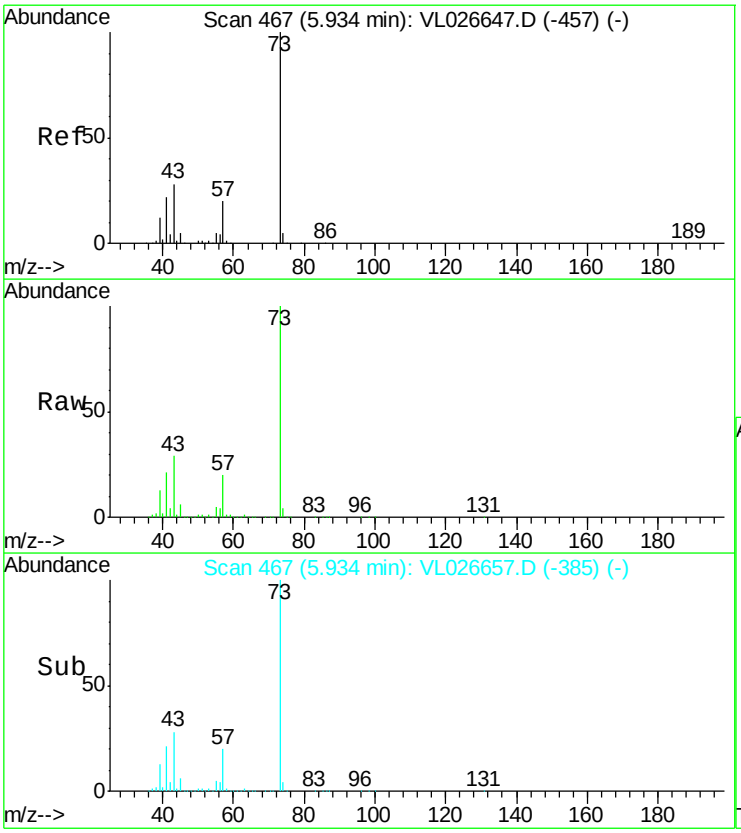
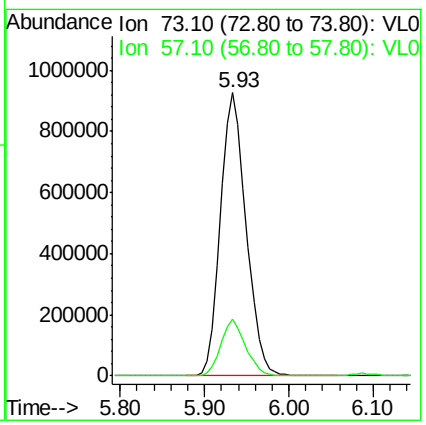
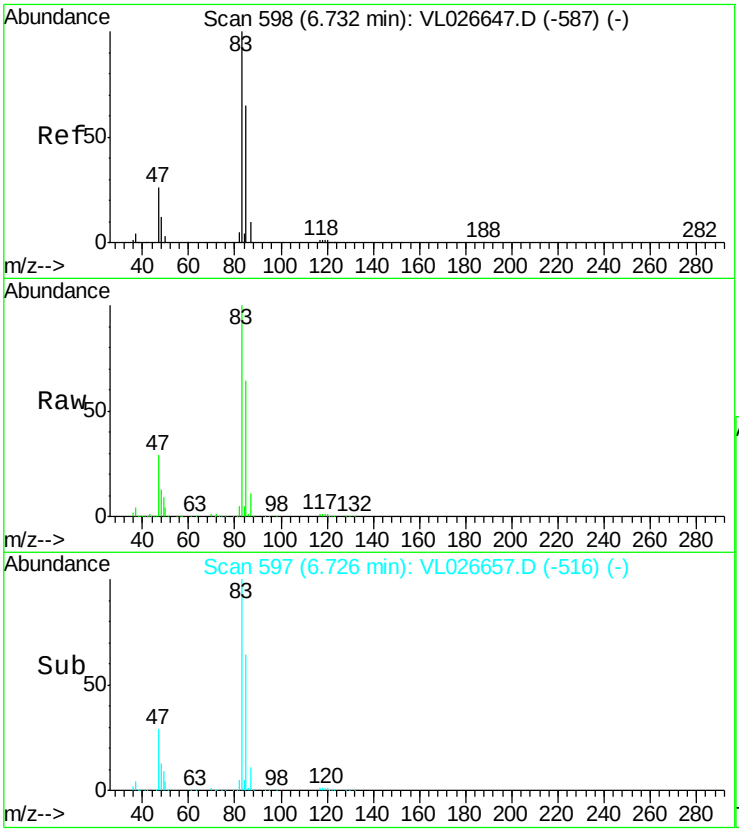


#28
Methyl tert-Butyl Ether
Concen: 10.11 ppbv
RT: 5.93 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 73 Resp: 1937661

Ion	Ratio	Lower	Upper
73	100		
57	19.1	16.2	24.4

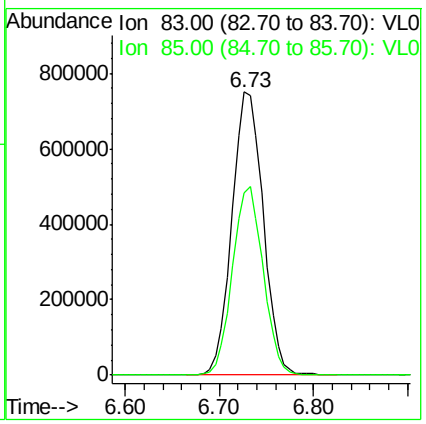




#29
Chloroform
Concen: 9.92 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 83 Resp: 1735206

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4



Instrument :
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ClientSampleId :
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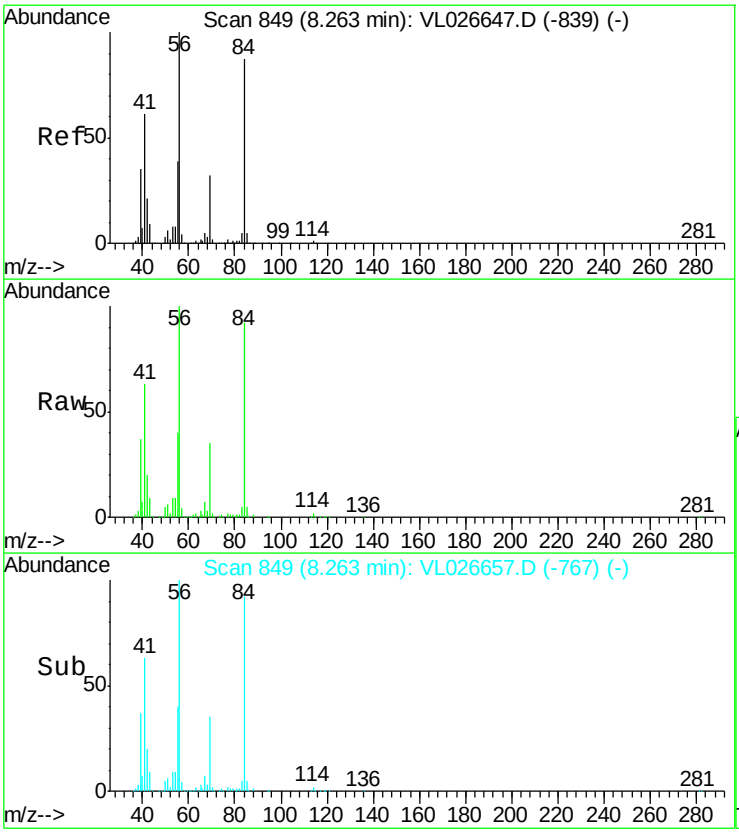
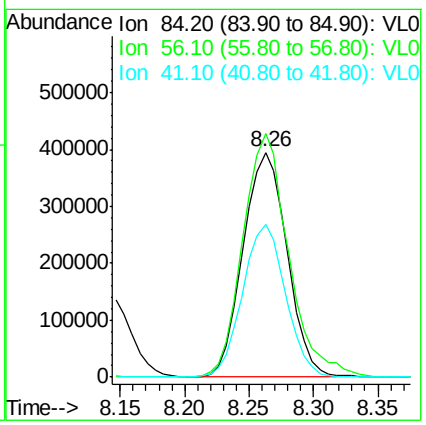
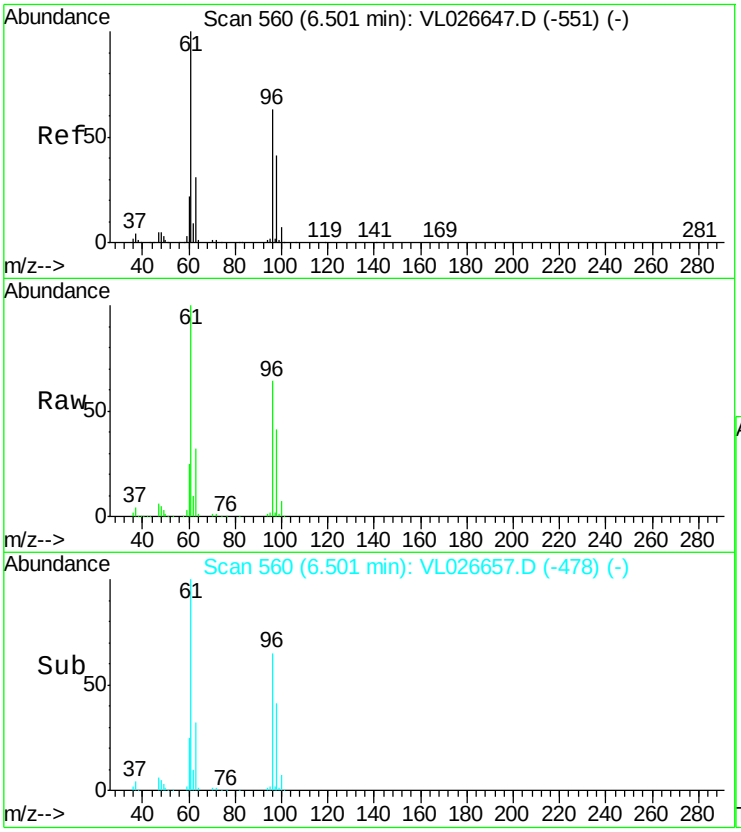


#30
Cyclohexane
Concen: 9.82 ppbv
RT: 8.26 min Scan# 849
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 84 Resp: 934640

Ion	Ratio	Lower	Upper
84	100		
56	113.1	95.9	143.9
41	66.7	54.8	82.2

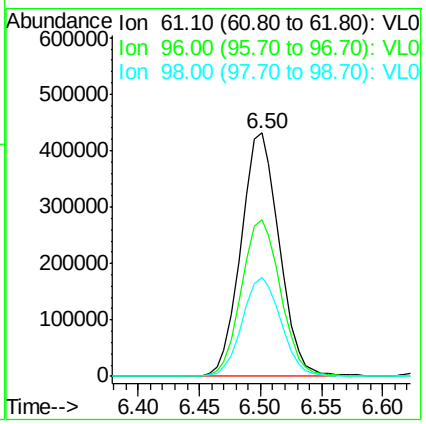




#31
cis-1,2-Dichloroethene
Concen: 9.65 ppbv
RT: 6.50 min Scan# 560
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 61 Resp: 937935

Ion	Ratio	Lower	Upper
61	100		
96	64.4	50.2	75.4
98	40.5	32.4	48.6



Instrument :
MSVOA_L
ClientSampleId :
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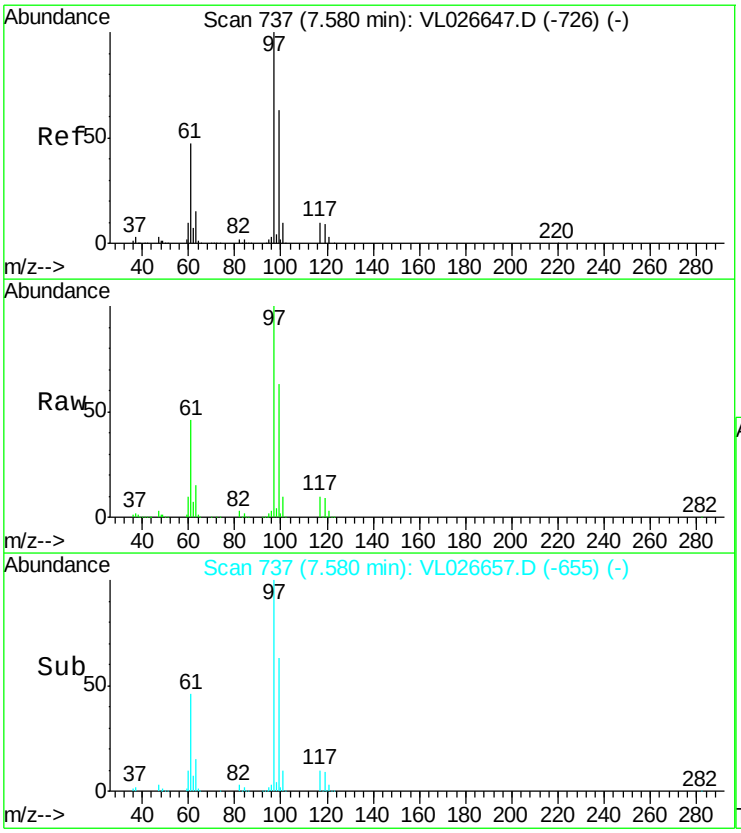
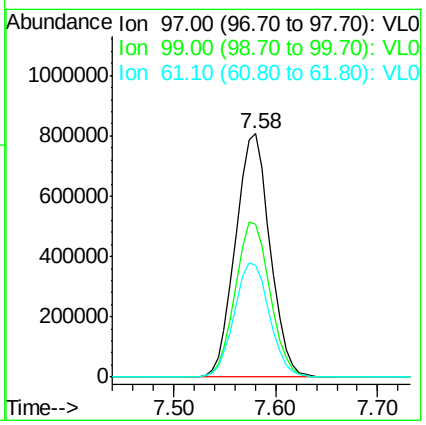
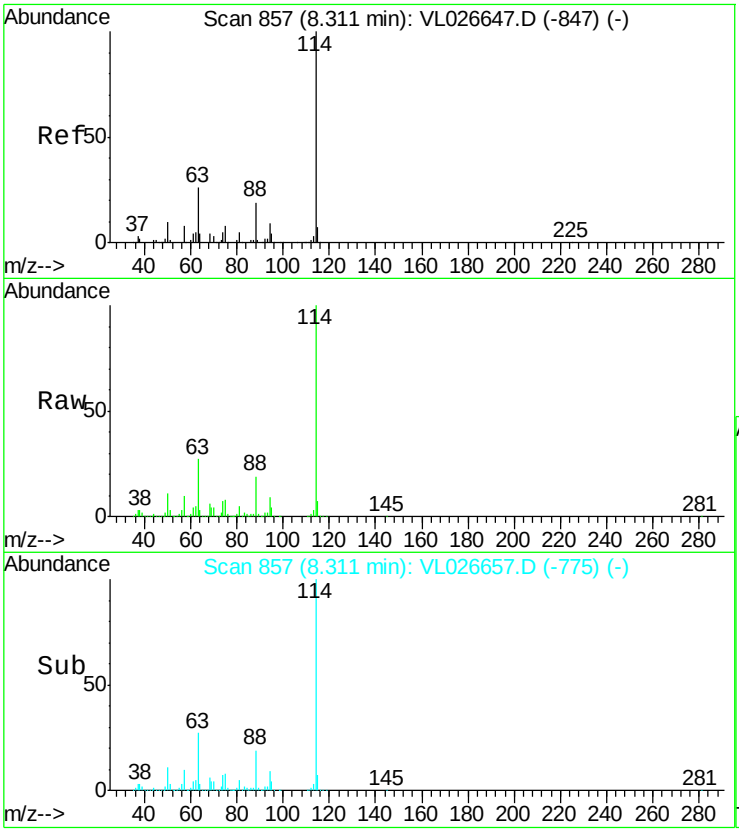


#32
1,1,1-Trichloroethane
Concen: 9.62 ppbv
RT: 7.58 min Scan# 737
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 97 Resp: 1899498

Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.8	76.2
61	48.1	38.9	58.3

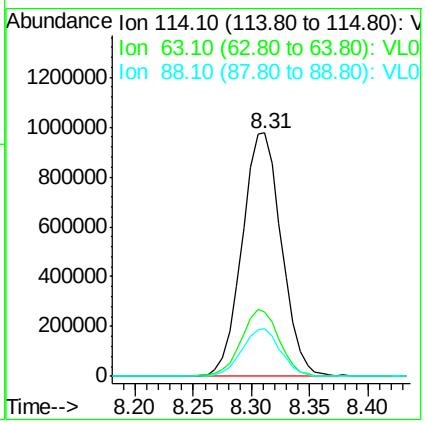




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:114 Resp: 2304009

Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.7	32.5
88	19.3	15.2	22.8



Instrument :
MSVOA_L
ClientSampleId :
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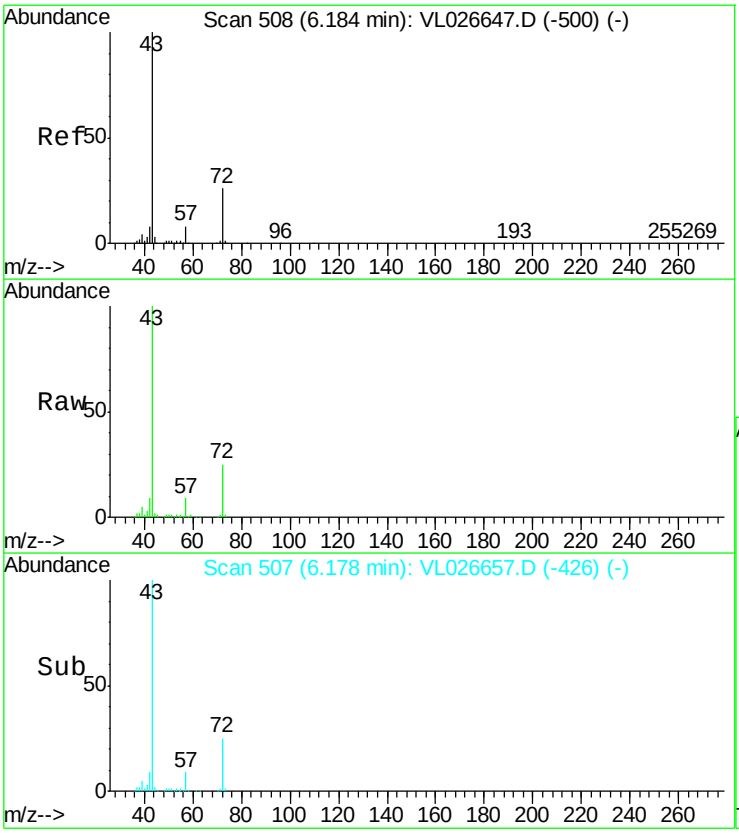
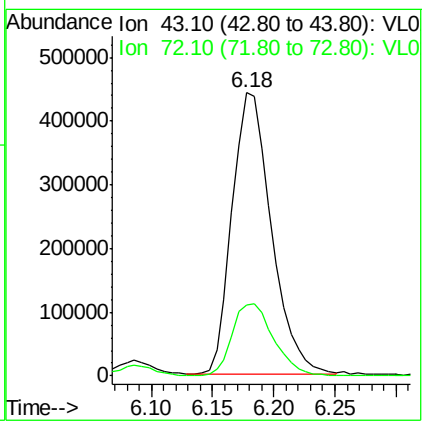
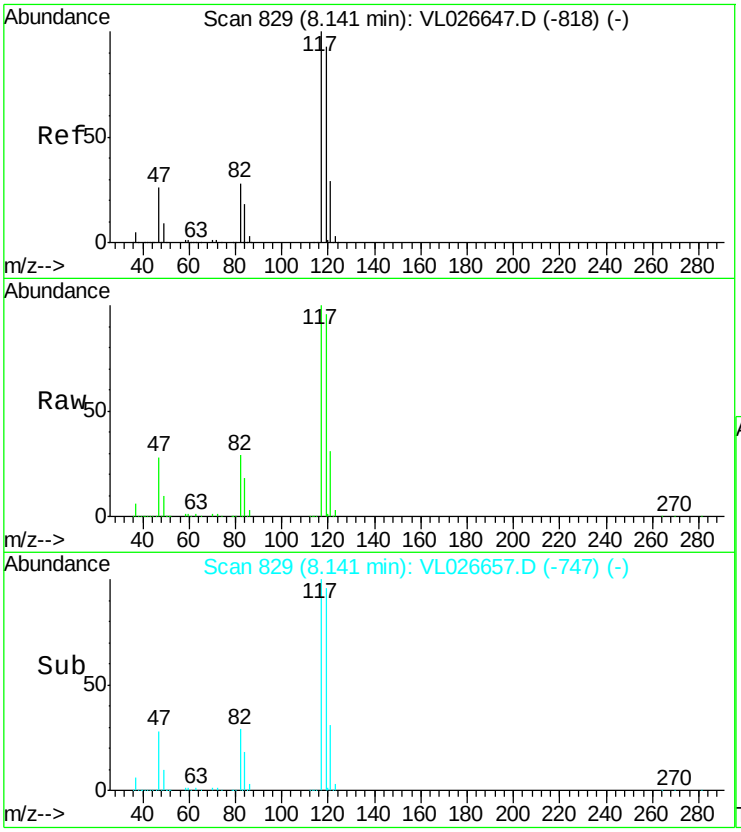


#34
2-Butanone
Concen: 8.05 ppbv
RT: 6.18 min Scan# 507
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 988633

Ion	Ratio	Lower	Upper
43	100		
72	27.4	20.9	31.3

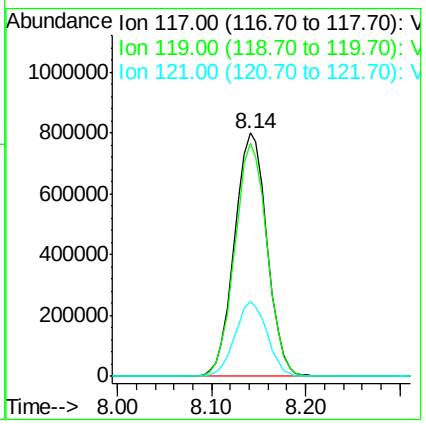




#35
Carbon Tetrachloride
Concen: 9.53 ppbv
RT: 8.14 min Scan# 829
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:117 Resp: 1931615

Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.7	112.1
121	30.8	23.1	34.7



Instrument :
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ClientSampleId :
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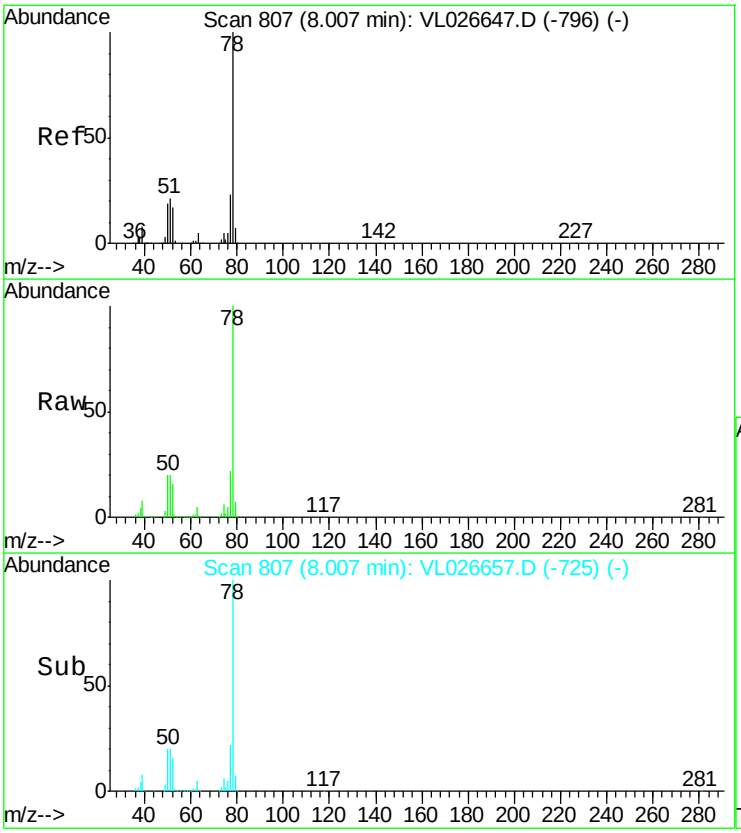
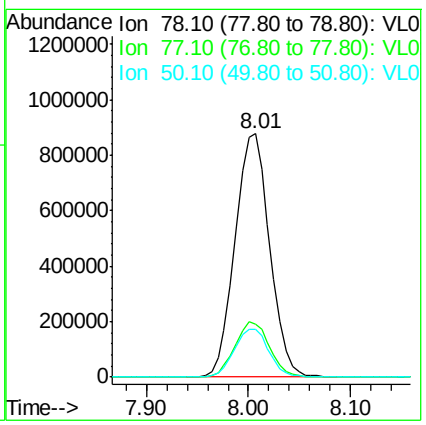
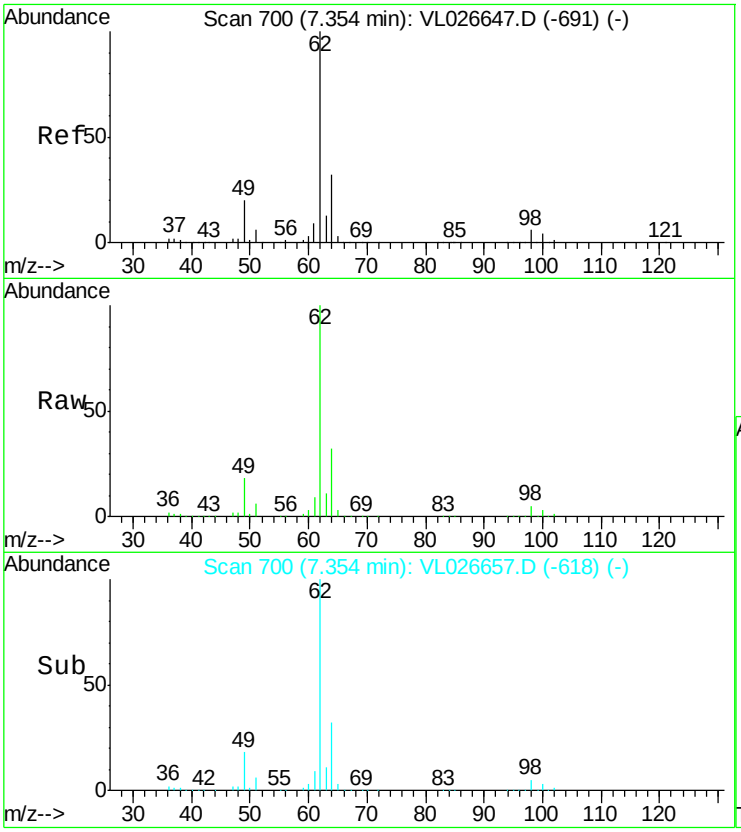


#36
Benzene
Concen: 8.72 ppbv
RT: 8.01 min Scan# 807
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 78 Resp: 2068398

Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.5	27.7
50	19.8	15.4	23.2

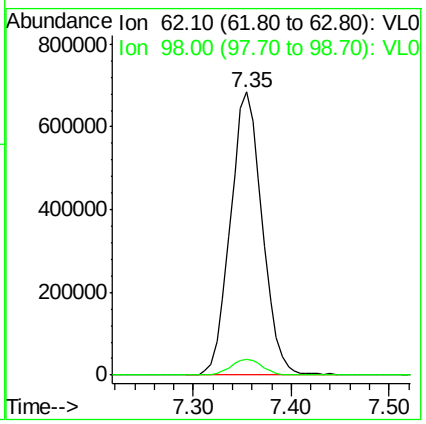




#37
1,2-Dichloroethane
Concen: 9.52 ppbv
RT: 7.35 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 62 Resp: 1543778

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.8	7.2



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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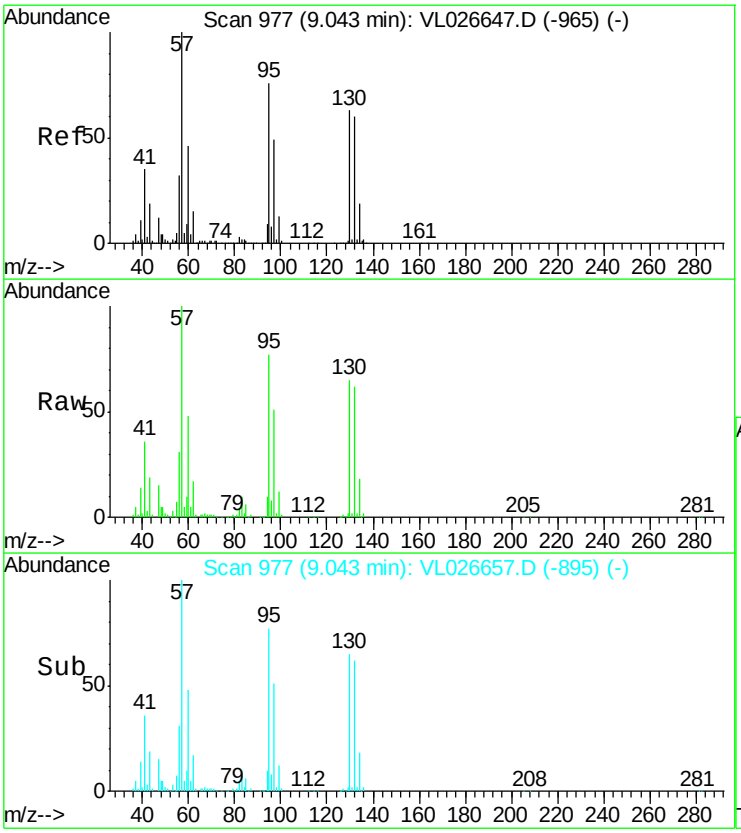
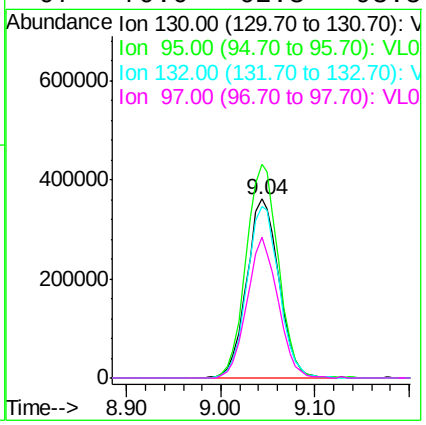
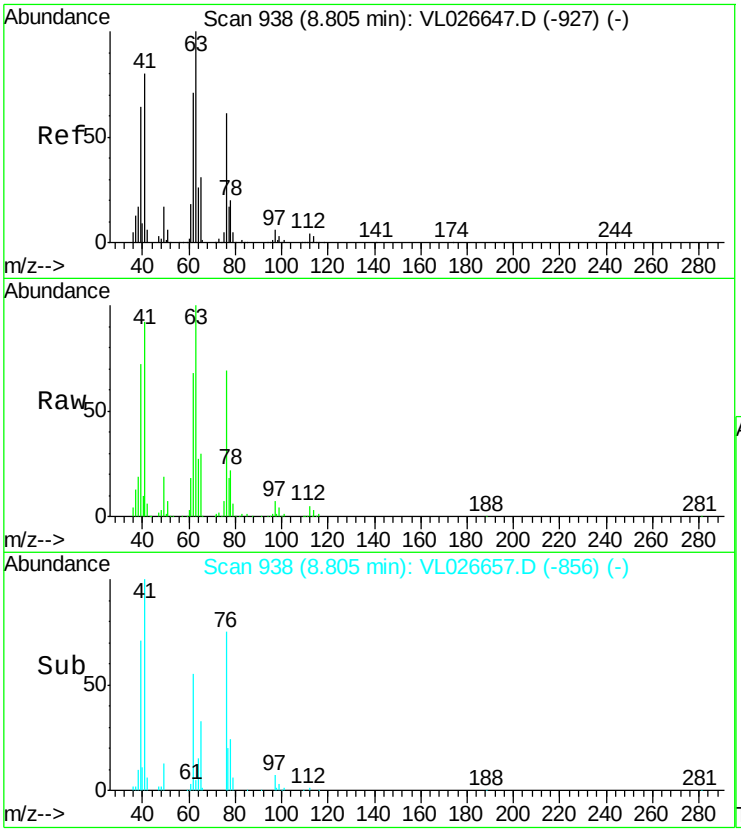


#38
Trichloroethene
Concen: 8.24 ppbv
RT: 9.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:130 Resp: 872153

Ion	Ratio	Lower	Upper
130	100		
95	119.6	96.6	145.0
132	96.3	76.2	114.4
97	79.0	62.3	93.5

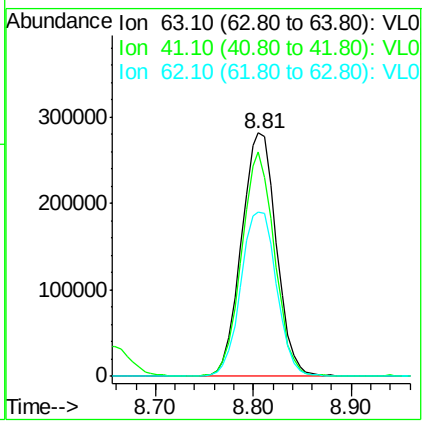




#39
1,2-Dichloropropane
Concen: 8.55 ppbv
RT: 8.81 min Scan# 938
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 63 Resp: 700537

Ion	Ratio	Lower	Upper
63	100		
41	91.9	64.1	96.1
62	67.7	56.6	84.8



Instrument :
MSVOA_L
ClientSampleId :
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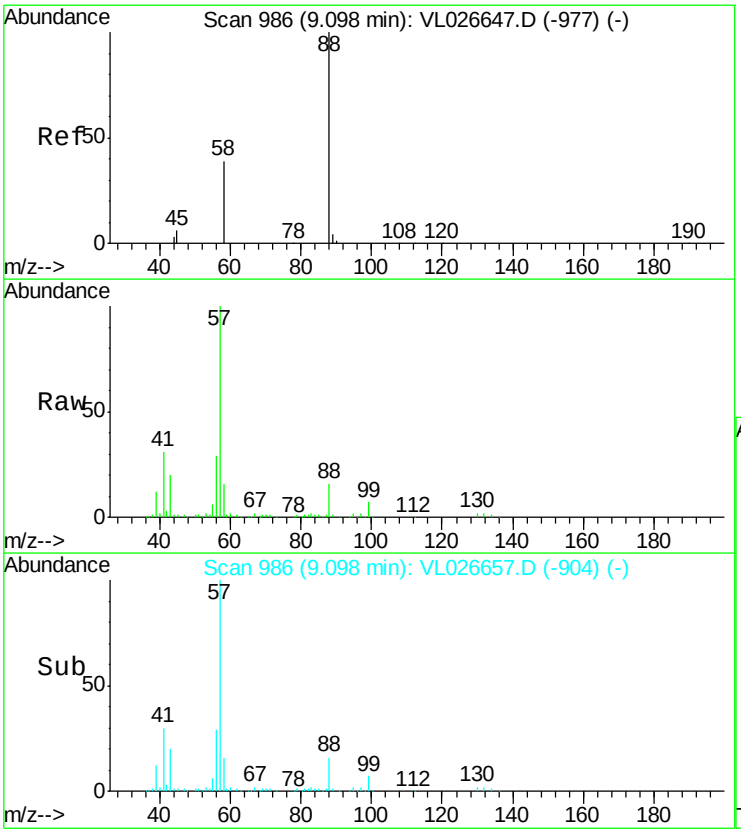
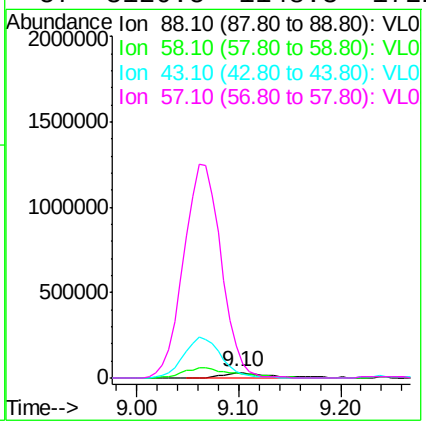
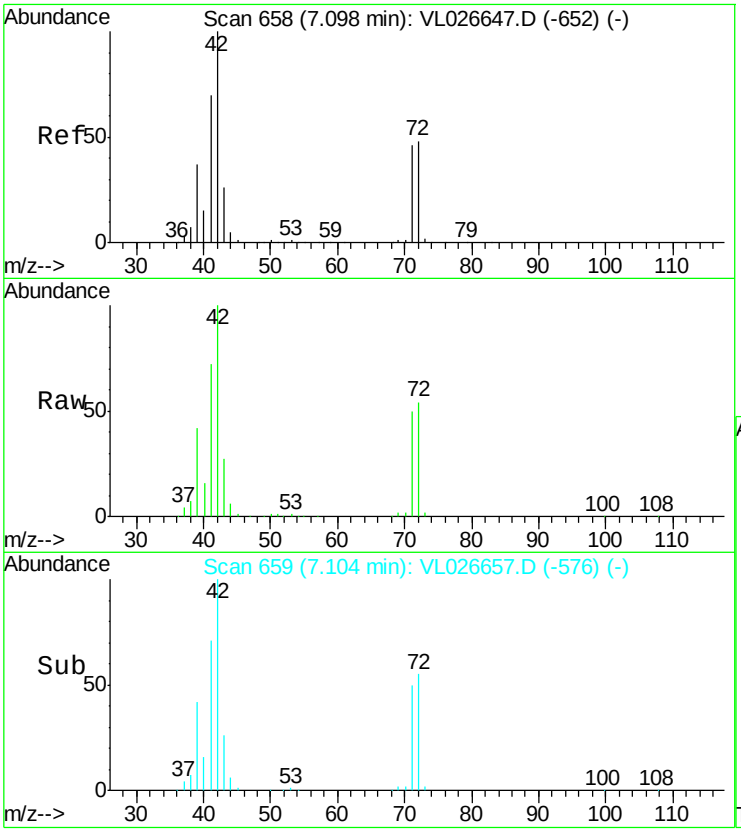


#40
1,4-Dioxane
Concen: 5.46 ppbv
RT: 9.10 min Scan# 986
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 88 Resp: 102921

Ion	Ratio	Lower	Upper
88	100		
58	201.5	109.4	164.2#
43	603.3	238.2	357.2#
57	3120.5	1148.3	1722.5#

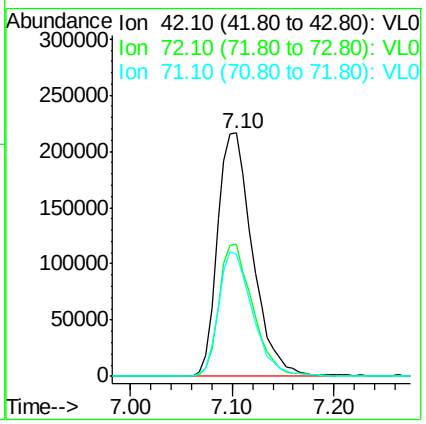




#41
Tetrahydrofuran
Concen: 8.51 ppbv
RT: 7.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 42 Resp: 517362

Ion	Ratio	Lower	Upper
42	100		
72	52.7	40.6	60.8
71	49.6	38.4	57.6



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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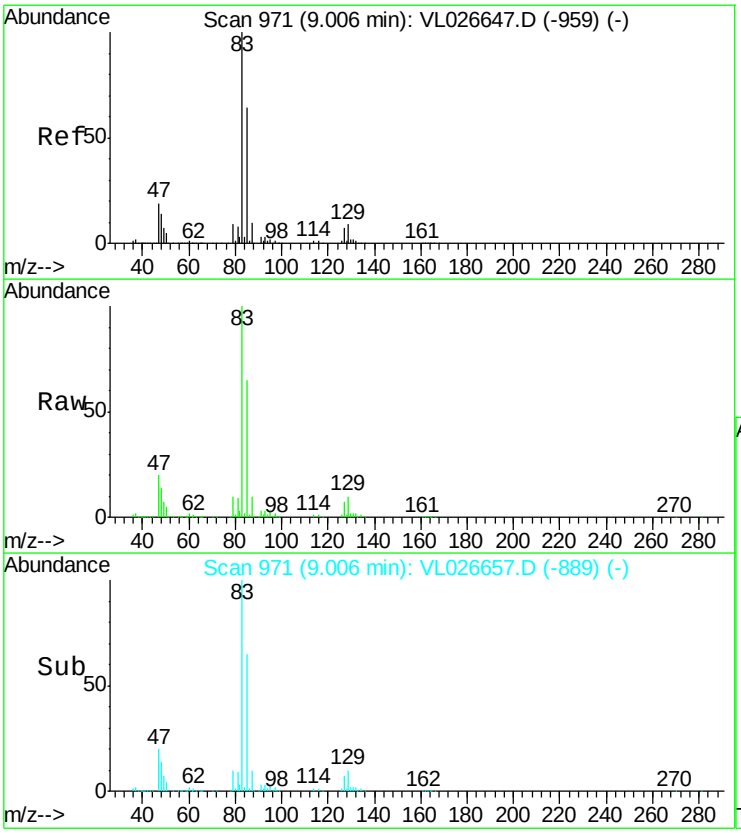
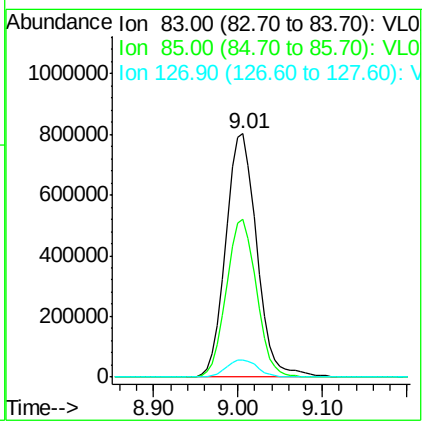
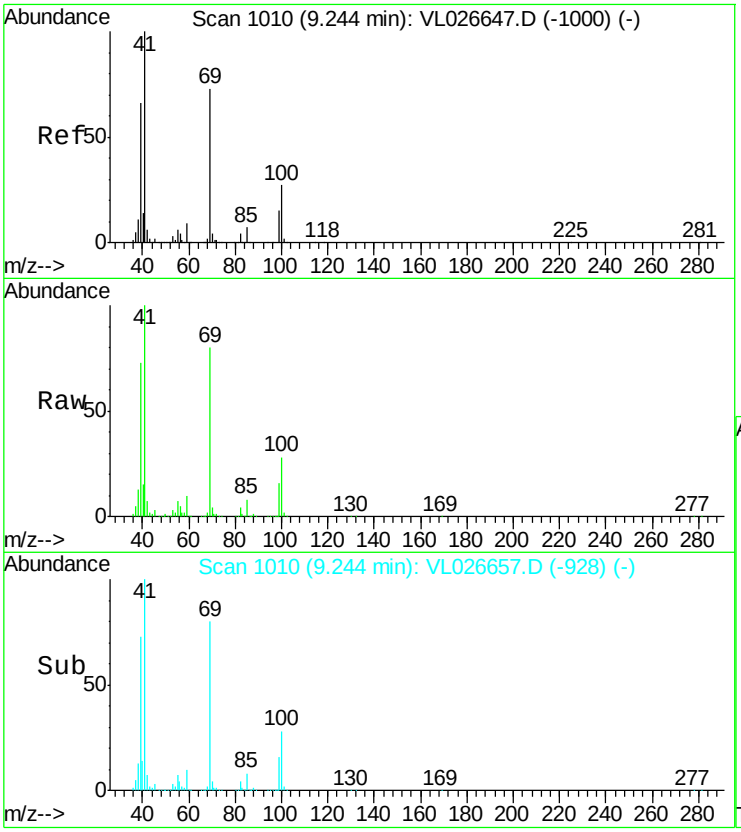


#42
Bromodichloromethane
Concen: 9.58 ppbv
RT: 9.01 min Scan# 971
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 83 Resp: 2007247

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	7.2	5.5	8.3

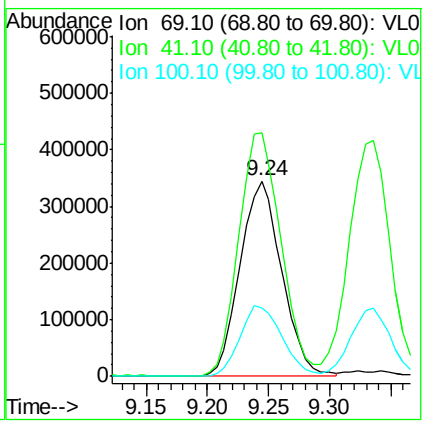




#43
Methyl Methacrylate
Concen: 9.47 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 69 Resp: 820105

Ion	Ratio	Lower	Upper
69	100		
41	126.3	106.1	159.1
100	36.6	29.0	43.4



Instrument :
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ClientSampleId :
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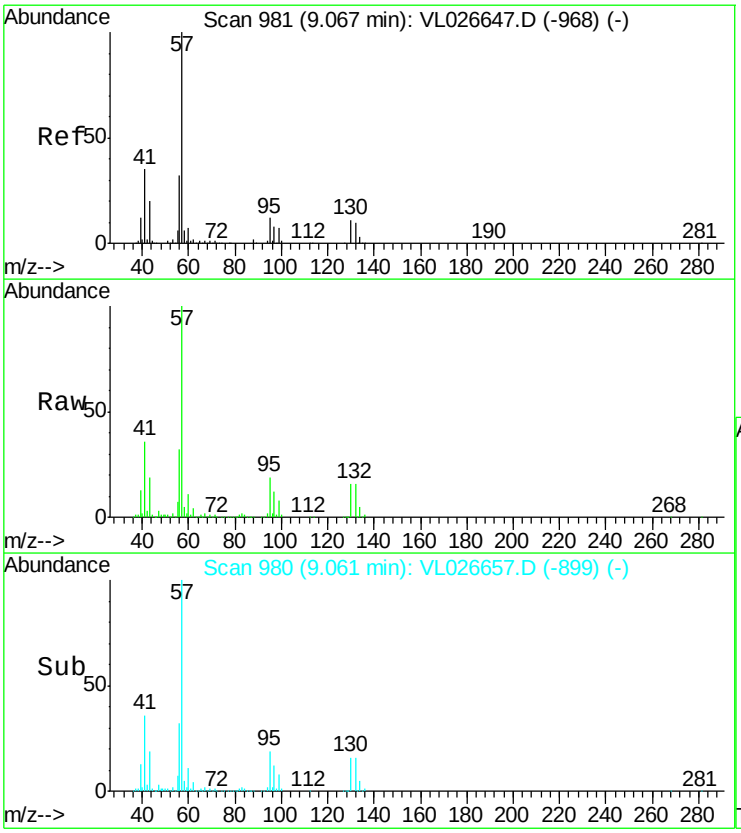
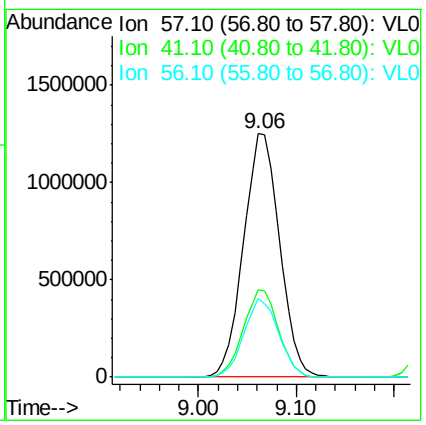
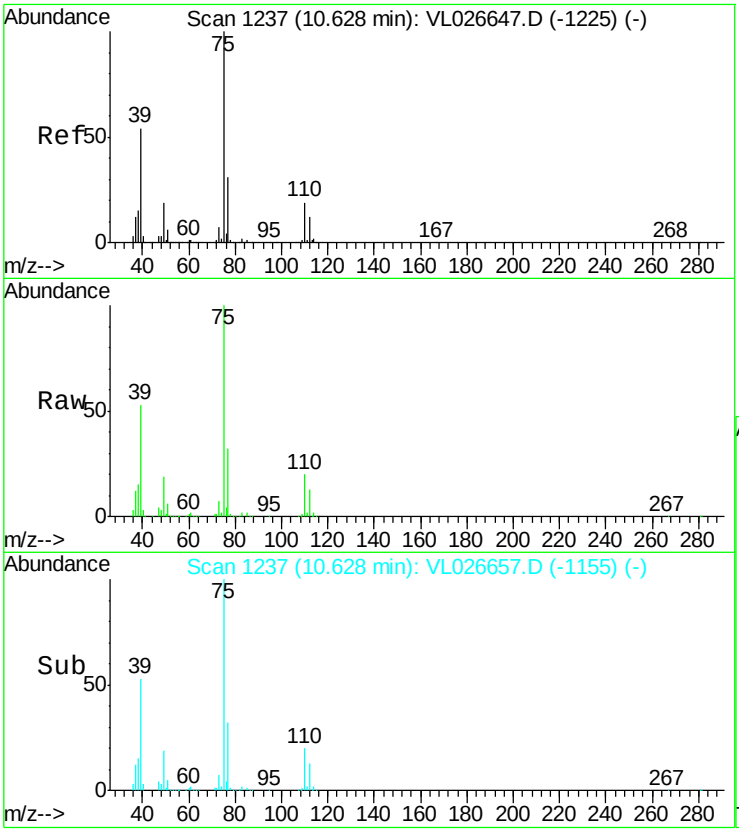


#44
2,2,4-Trimethylpentane
Concen: 8.37 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 57 Resp: 3203919

Ion	Ratio	Lower	Upper
57	100		
41	35.1	26.9	40.3
56	31.2	25.4	38.0

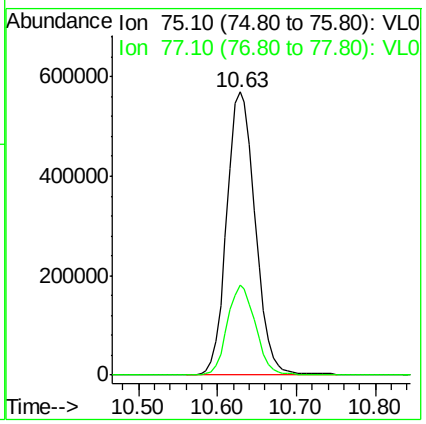




#45
t-1,3-Dichloropropene
Concen: 10.23 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 75 Resp: 1434653

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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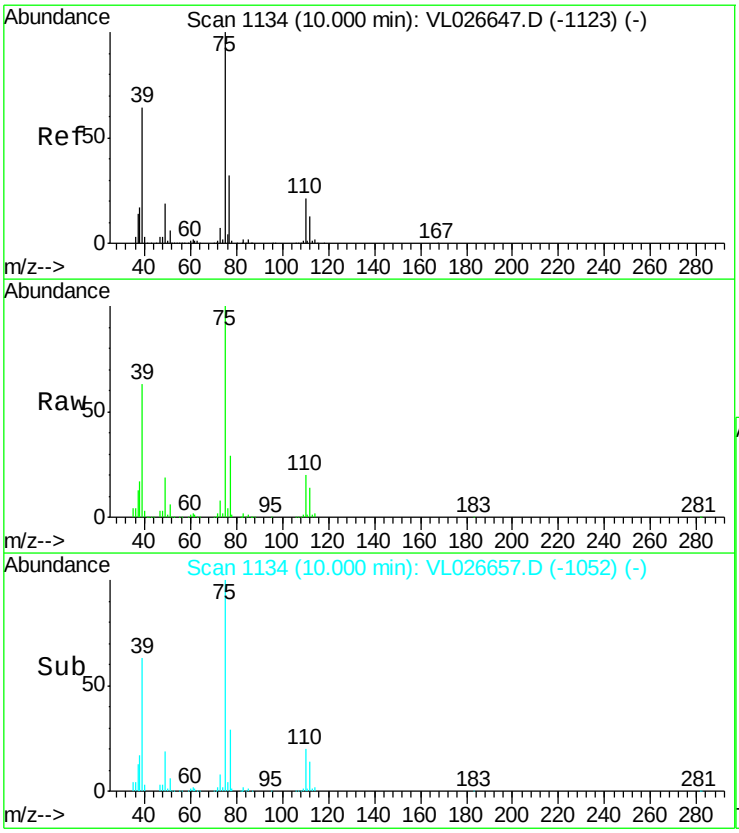
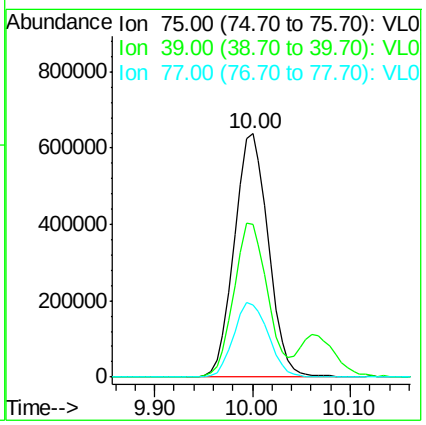
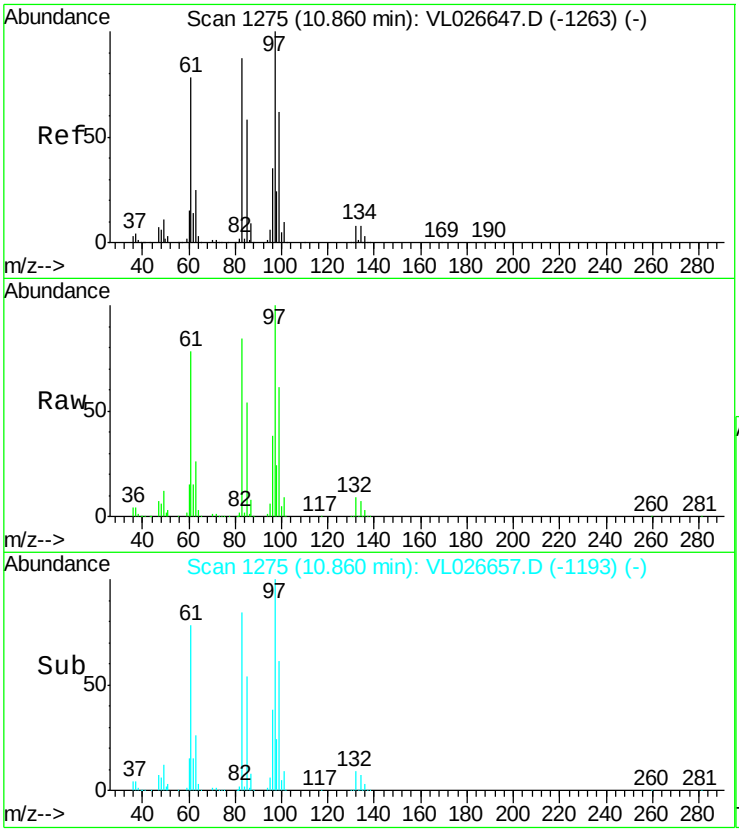


#46
cis-1,3-Dichloropropene
Concen: 9.69 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 75 Resp: 1545760

Ion	Ratio	Lower	Upper
75	100		
39	62.9	51.2	76.8
77	29.5	25.9	38.9

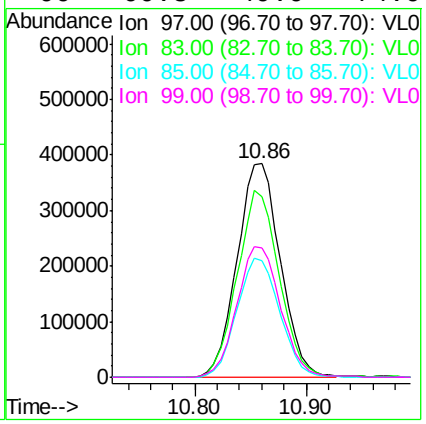




#47
1,1,2-Trichloroethane
Concen: 8.89 ppbv
RT: 10.86 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 97 Resp: 1039278

Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.5	104.3
85	54.4	46.4	69.6
99	60.8	49.9	74.9



Instrument :
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ClientSampleId :
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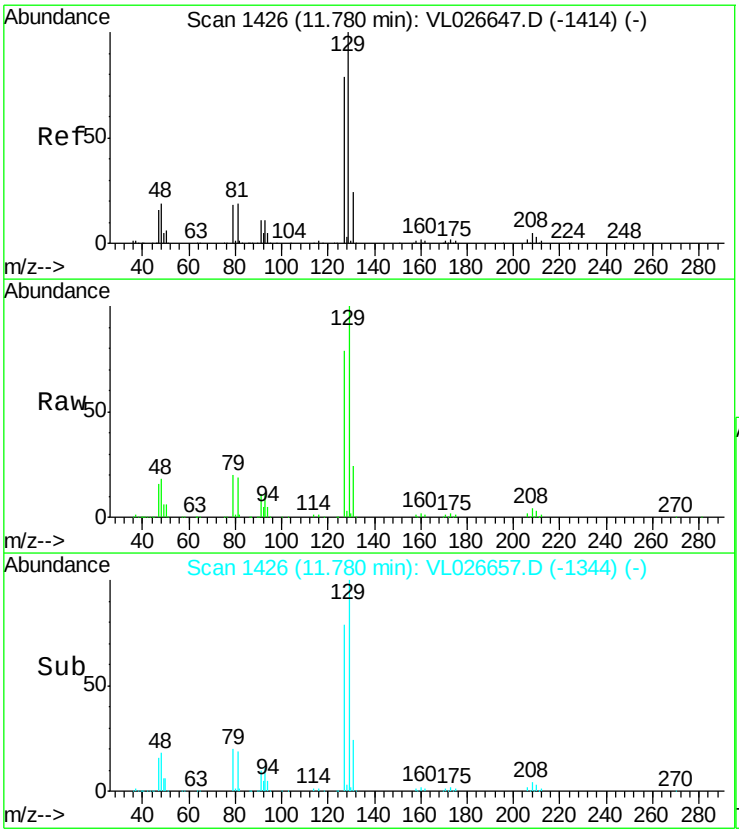
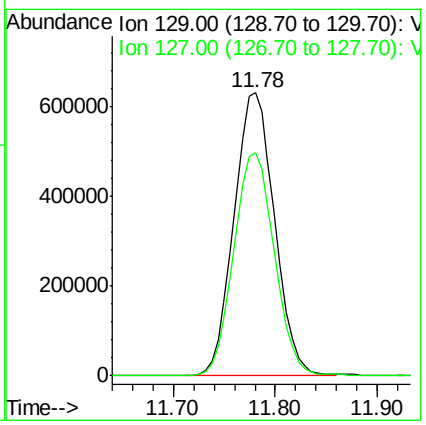
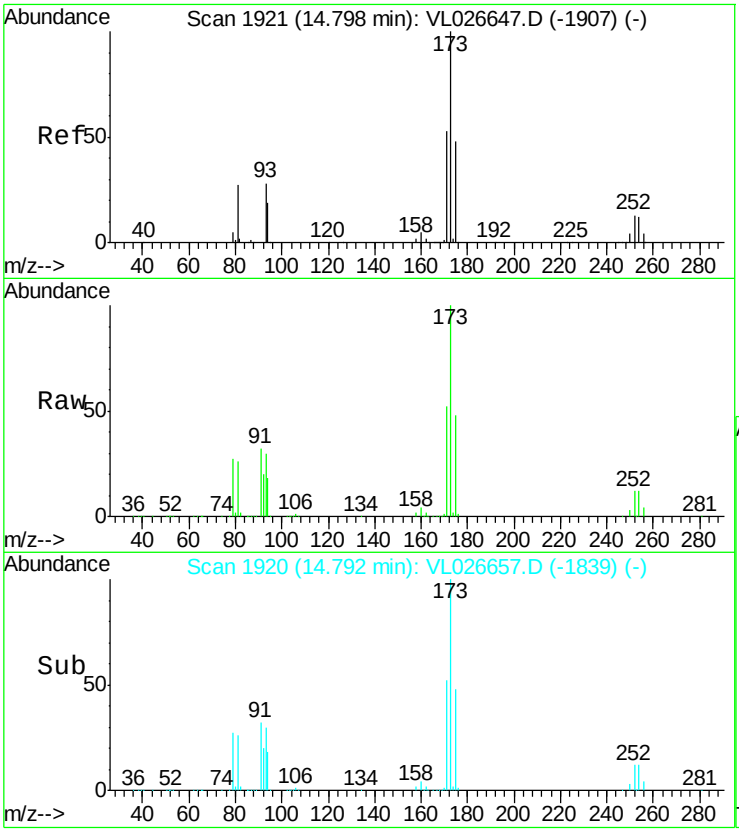


#48
Dibromochloromethane
Concen: 9.92 ppbv
RT: 11.78 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:129 Resp: 1738306

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.5	118.5

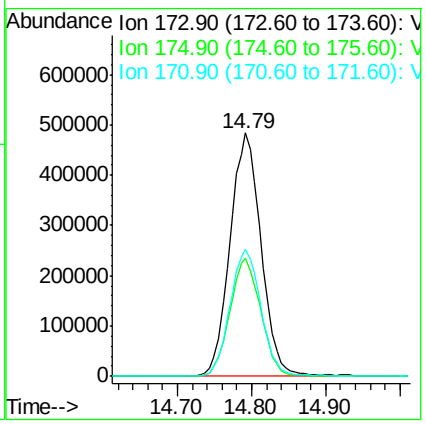




#49
Bromoform
Concen: 9.90 ppbv
RT: 14.79 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:173 Resp: 1415563

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	52.3	41.5	62.3



Instrument :
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ClientSampleId :
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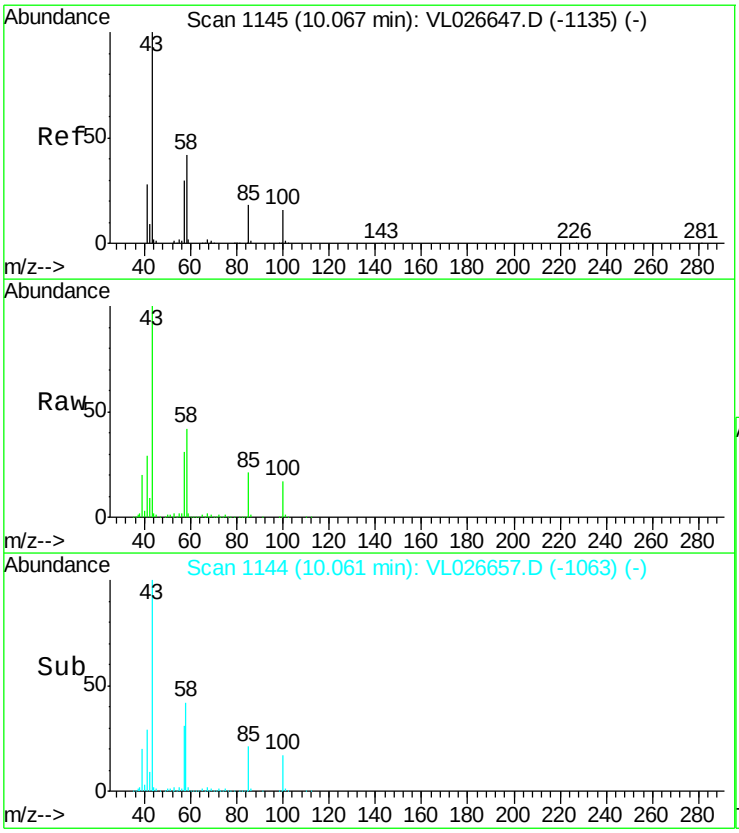
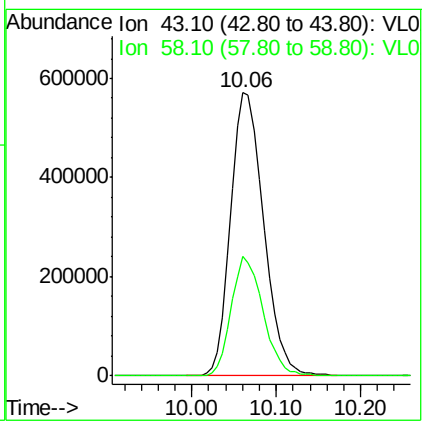
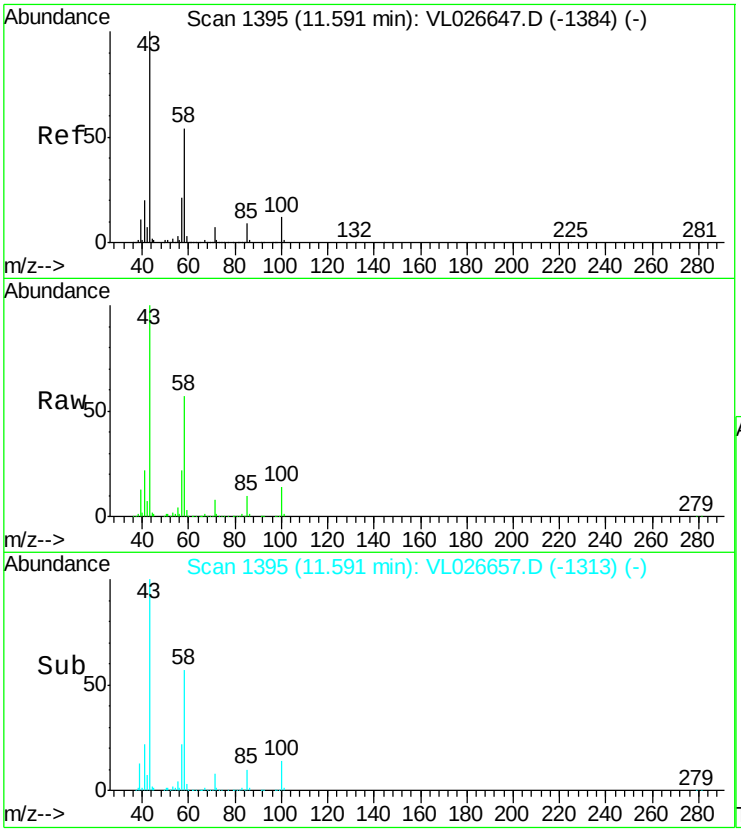


#50
4-Methyl-2-Pentanone
Concen: 8.80 ppbv
RT: 10.06 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1518552

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.4	48.6

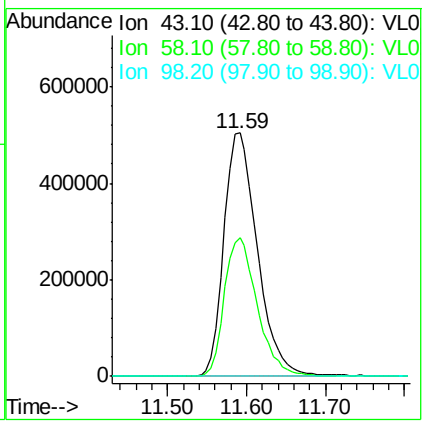




#51
2-Hexanone
Concen: 9.38 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 43 Resp: 1492533

Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.9	67.3
98	0.6	0.2	0.2#



Instrument :
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ClientSampleId :
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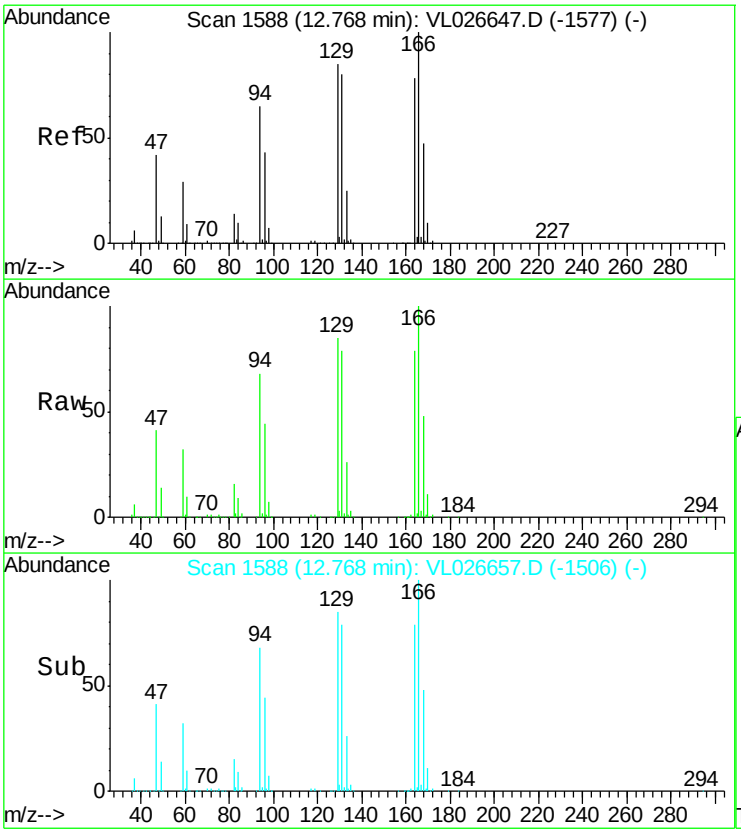
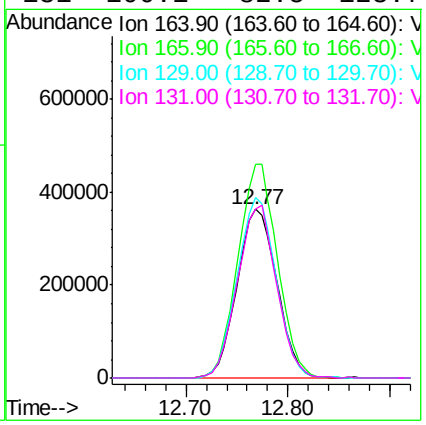
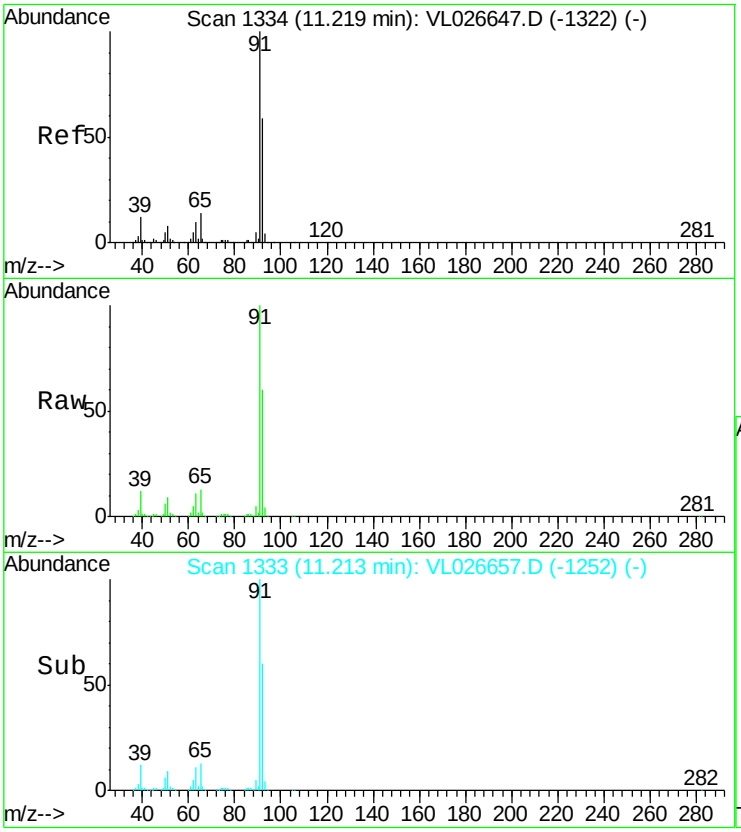


#52
Tetrachloroethene
Concen: 8.33 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:164 Resp: 987602

Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.5	153.7
129	107.0	87.0	130.6
131	100.1	82.5	123.7





#53
Toluene
Concen: 9.31 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 3110464

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.4

Instrument :
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ClientSampleId :
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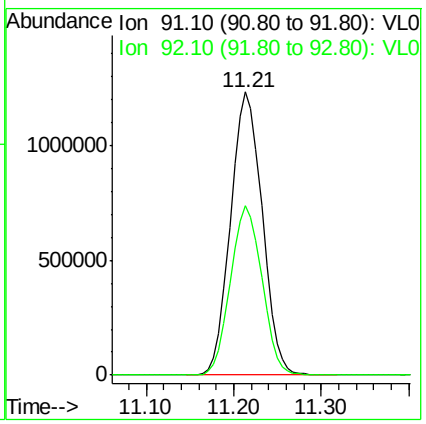
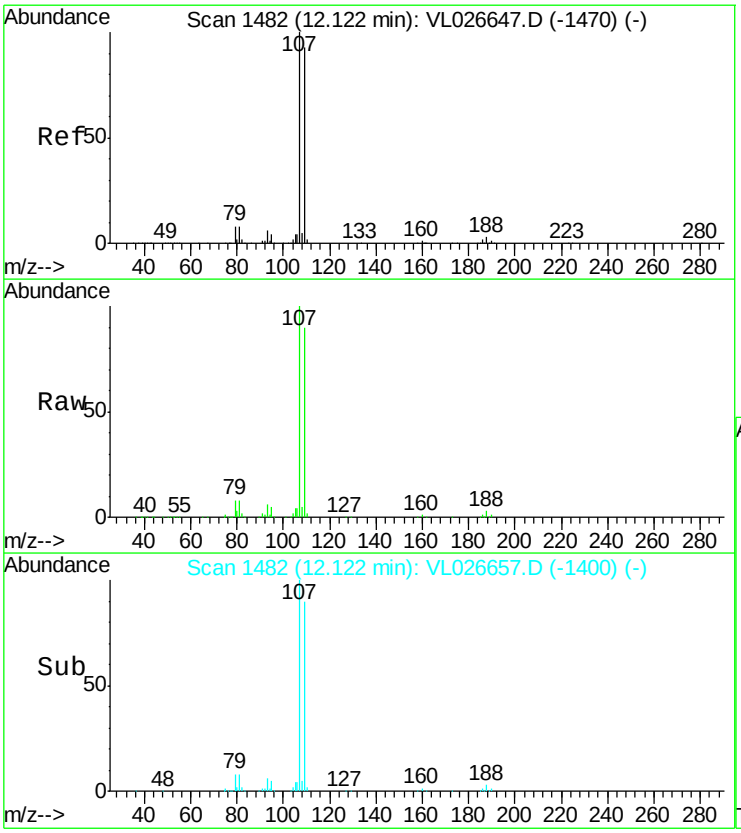
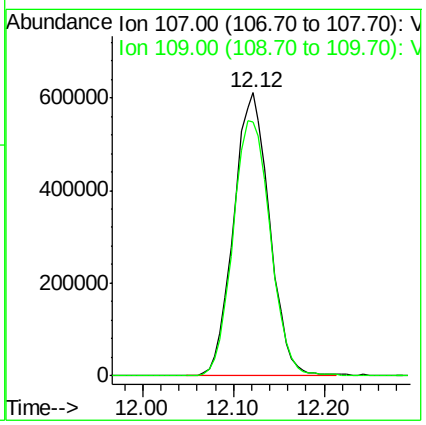


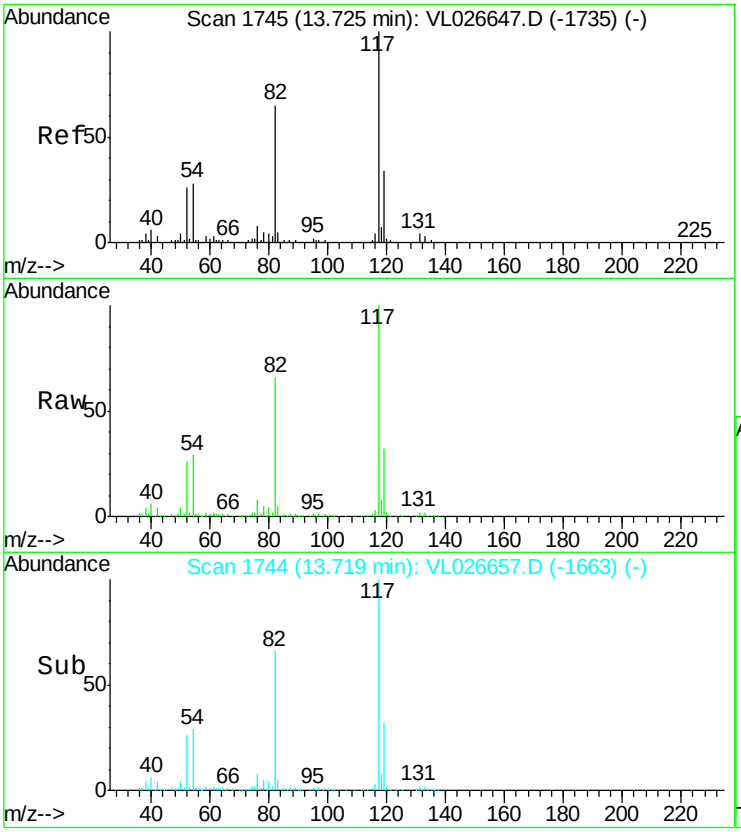


#54
1,2-Dibromoethane
Concen: 9.05 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:107 Resp: 1674374

Ion	Ratio	Lower	Upper
107	100		
109	89.6	74.1	111.1

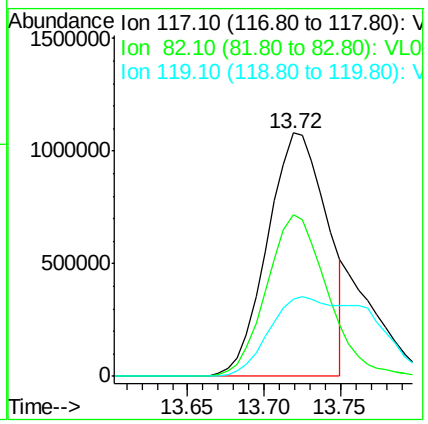




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:117 Resp: 2935833

Ion	Ratio	Lower	Upper
117	100		
82	68.7	49.7	74.5
119	58.2	43.8	65.8



Instrument :
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ClientSampleId :
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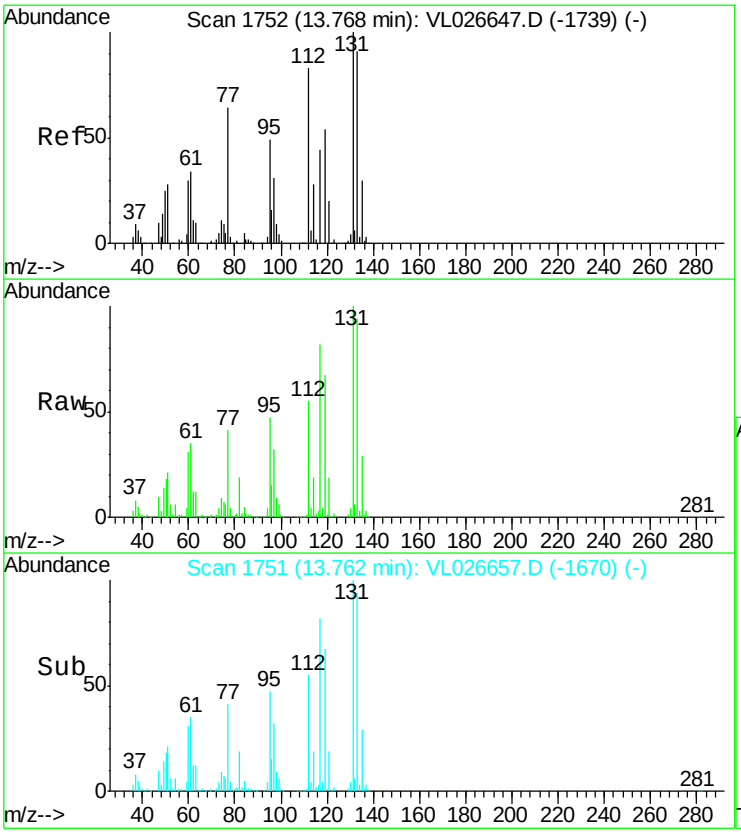
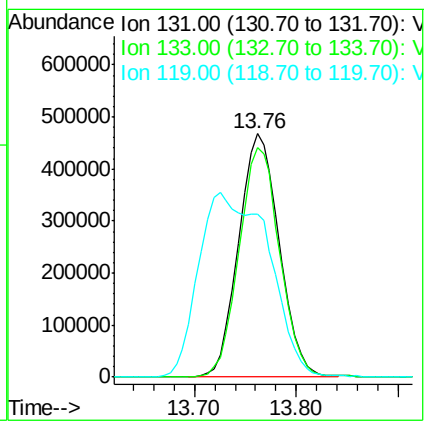
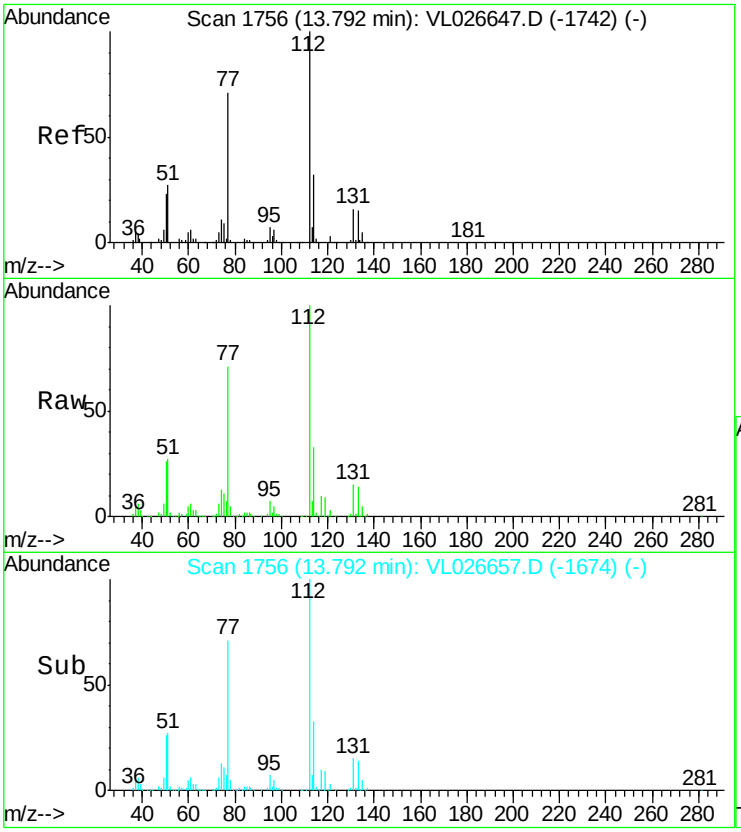


#56
1,1,1,2-Tetrachloroethane
Concen: 9.56 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:131 Resp: 1291833

Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.2	114.4
119	132.2	104.3	156.5

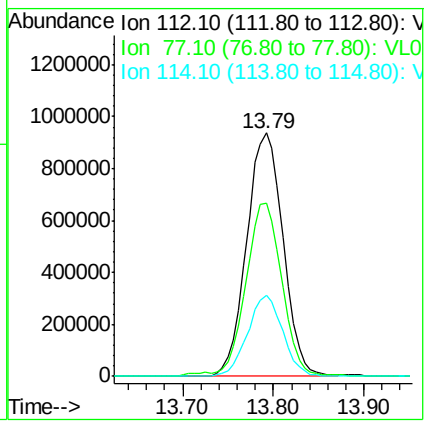




#57
Chlorobenzene
Concen: 8.62 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:112 Resp: 2605326

Ion	Ratio	Lower	Upper
112	100		
77	70.9	56.9	85.3
114	33.2	28.8	35.2



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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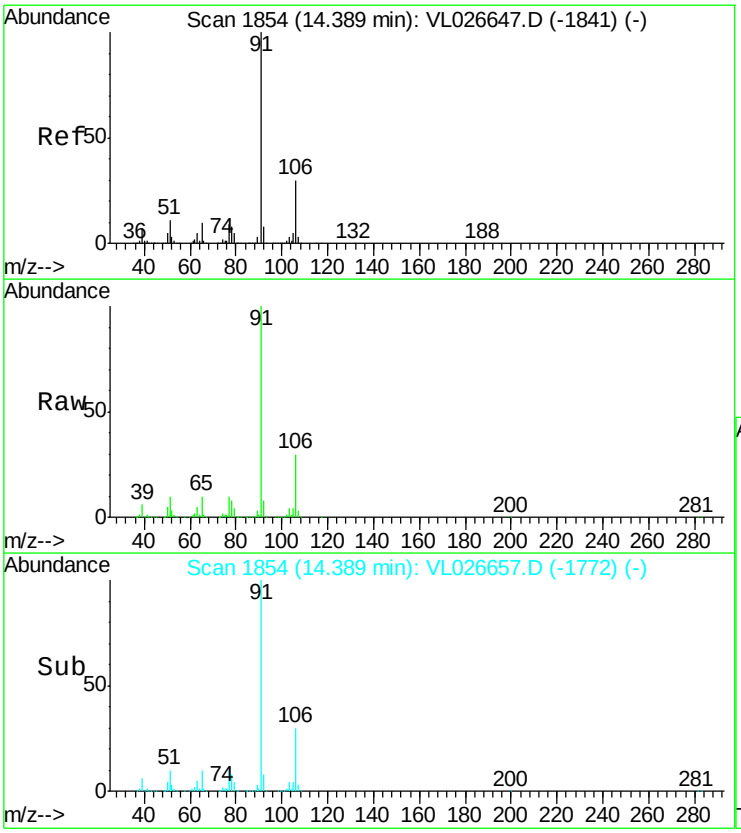
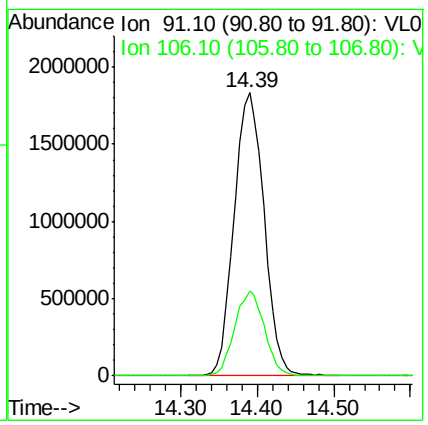
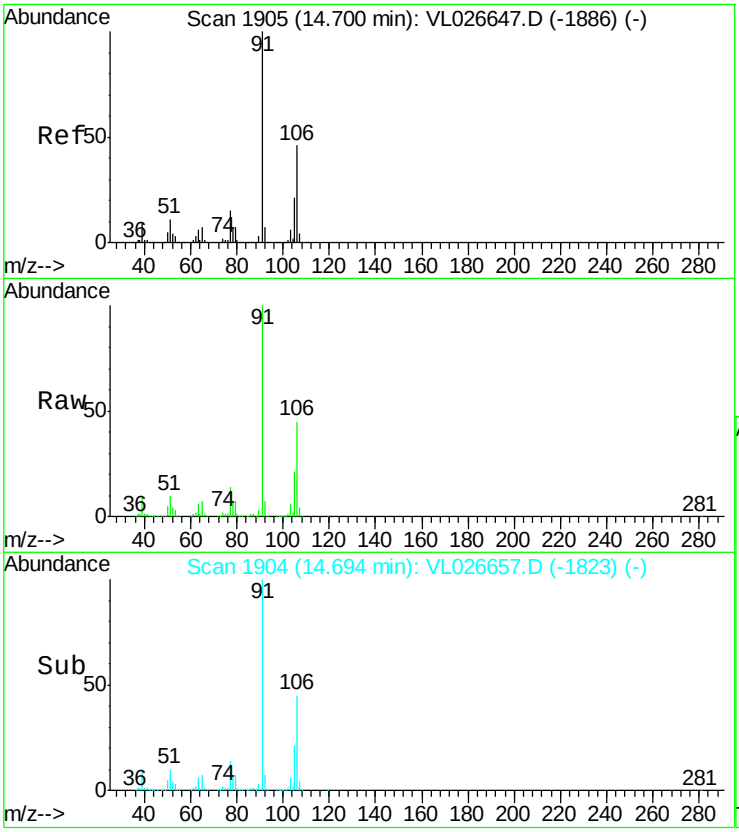


#58
Ethyl Benzene
Concen: 9.53 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 4999761

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6

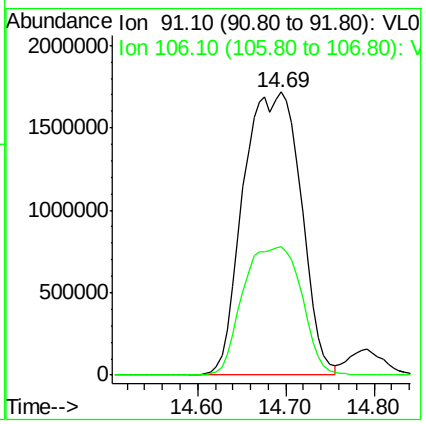




#59
m/p-Xylene
Concen: 18.05 ppbv m
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 7799695

Ion	Ratio	Lower	Upper
91	100		
106	46.0	36.6	55.0



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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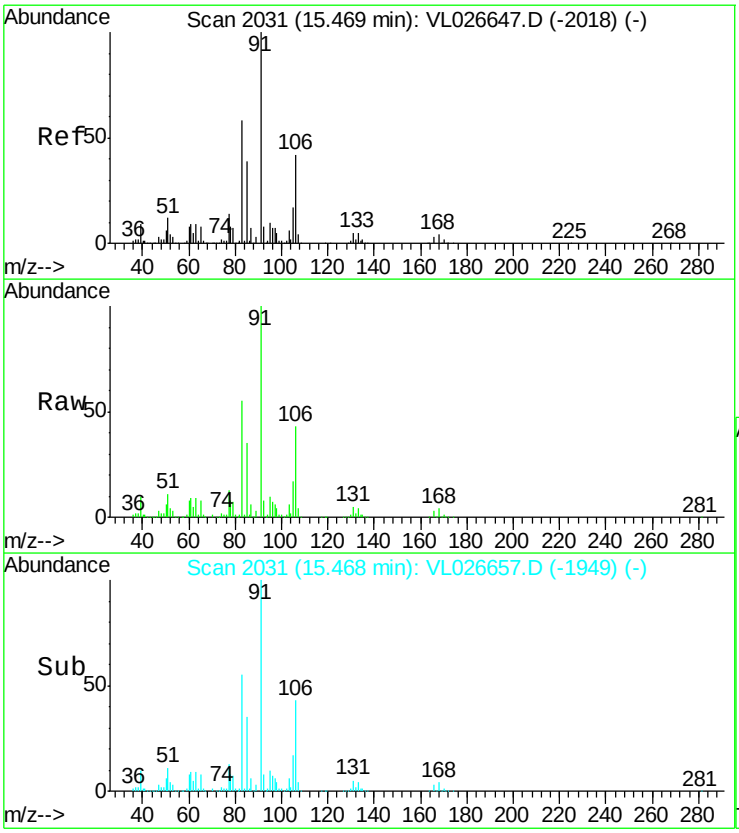
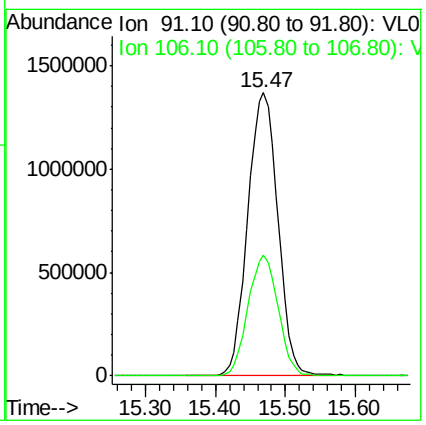
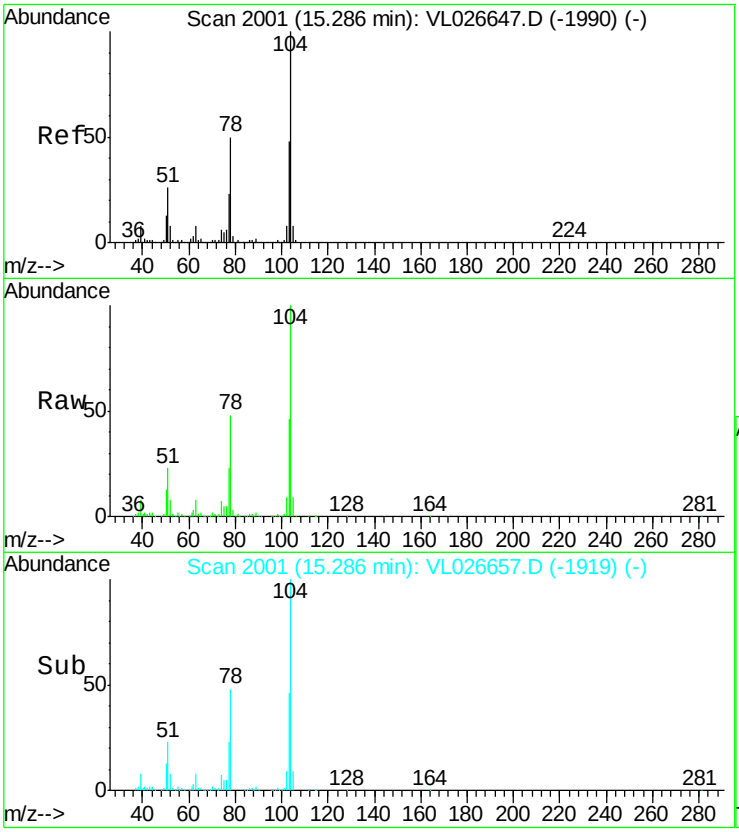


#60
o-Xylene
Concen: 8.75 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 4084511

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.5	64.5

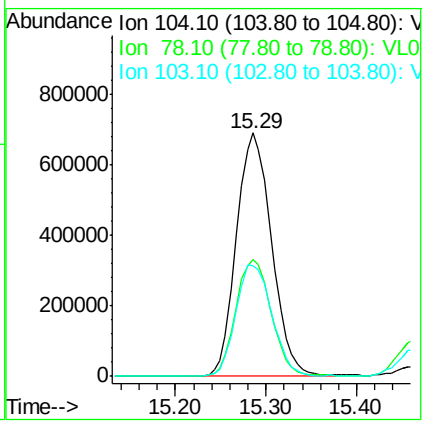




#61
Stvrene
Concen: 10.24 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:104 Resp: 1869312

Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.6	59.4
103	47.2	37.8	56.6



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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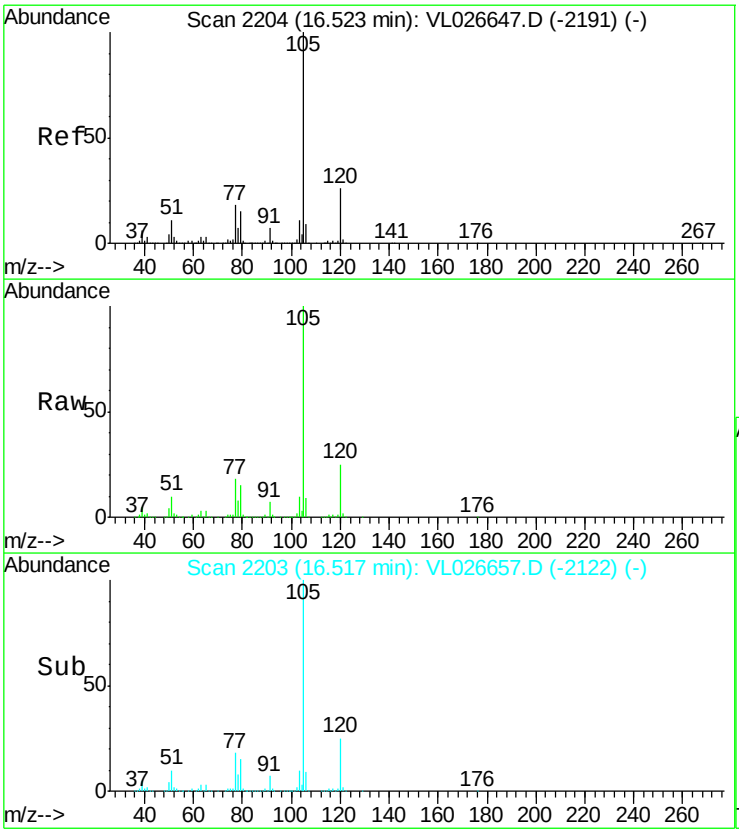
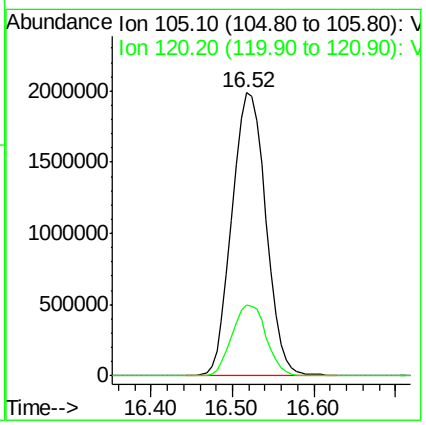
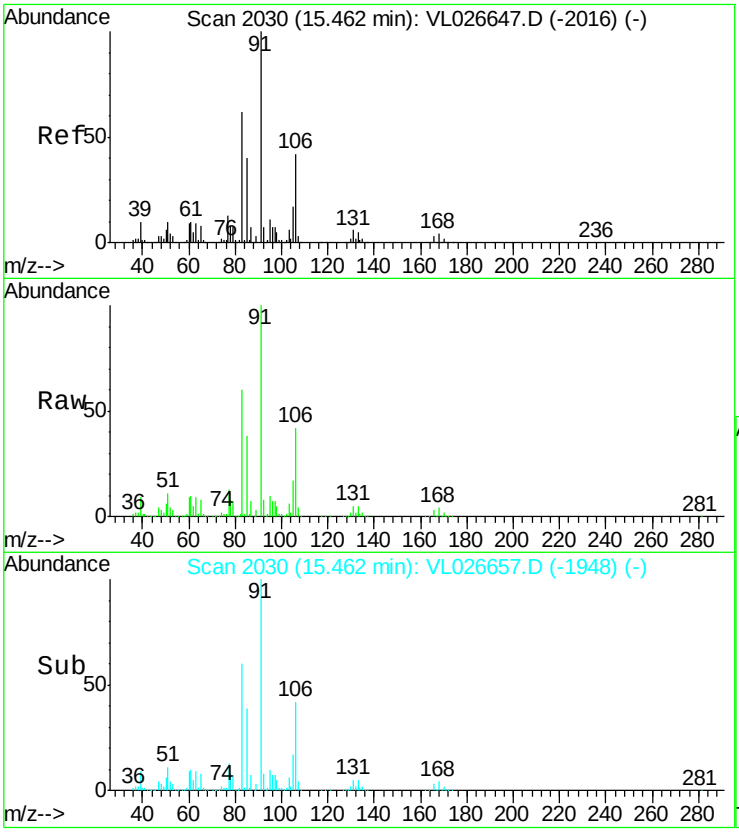


#62
Isopropylbenzene
Concen: 9.32 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:105 Resp: 5765086

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5

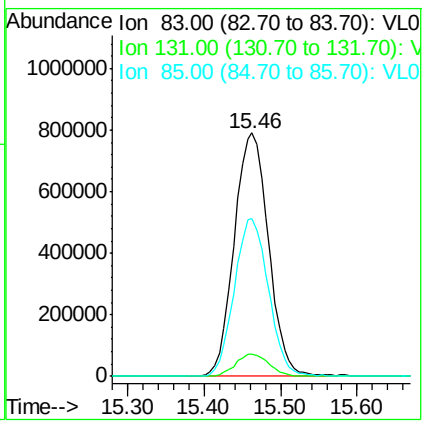




#63
1,1,2,2-Tetrachloroethane
Concen: 7.07 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 83 Resp: 2462514

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.4
85	64.7	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

Manual Integrations APPROVED
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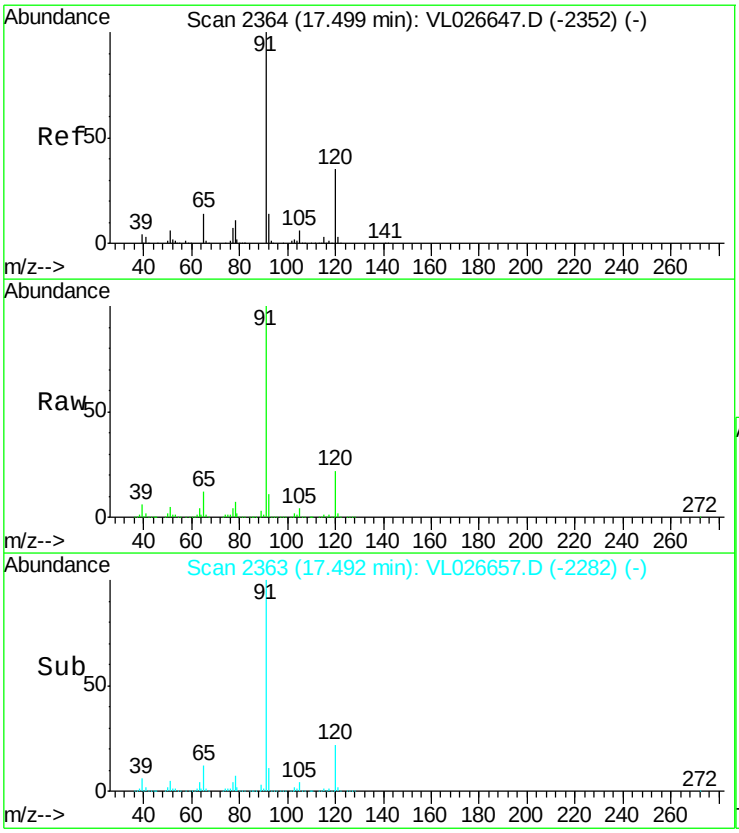
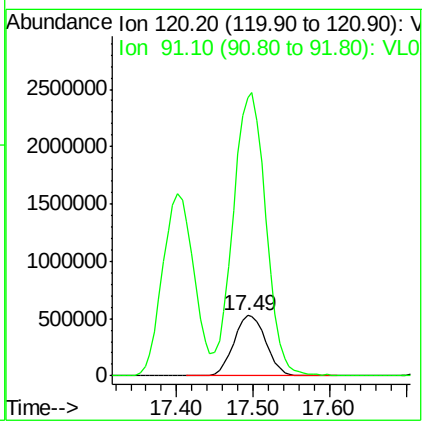
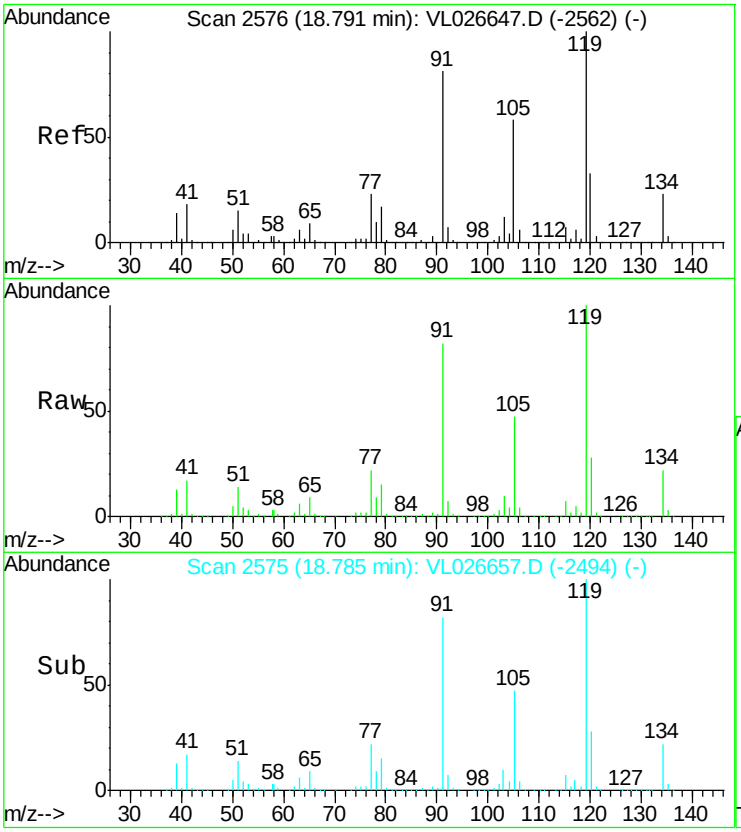


#64
n-propylbenzene
Concen: 9.26 ppbv
RT: 17.49 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:120 Resp: 1536454

Ion	Ratio	Lower	Upper
120	100		
91	475.0	375.8	563.6

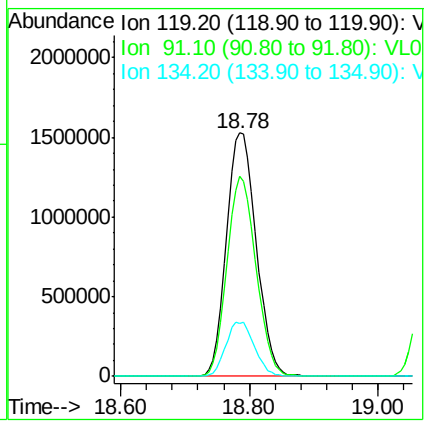




#65
tert-Butylbenzene
Concen: 8.77 ppbv
RT: 18.78 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:119 Resp: 4966182

Ion	Ratio	Lower	Upper
119	100		
91	80.1	64.8	97.2
134	21.6	17.4	26.0



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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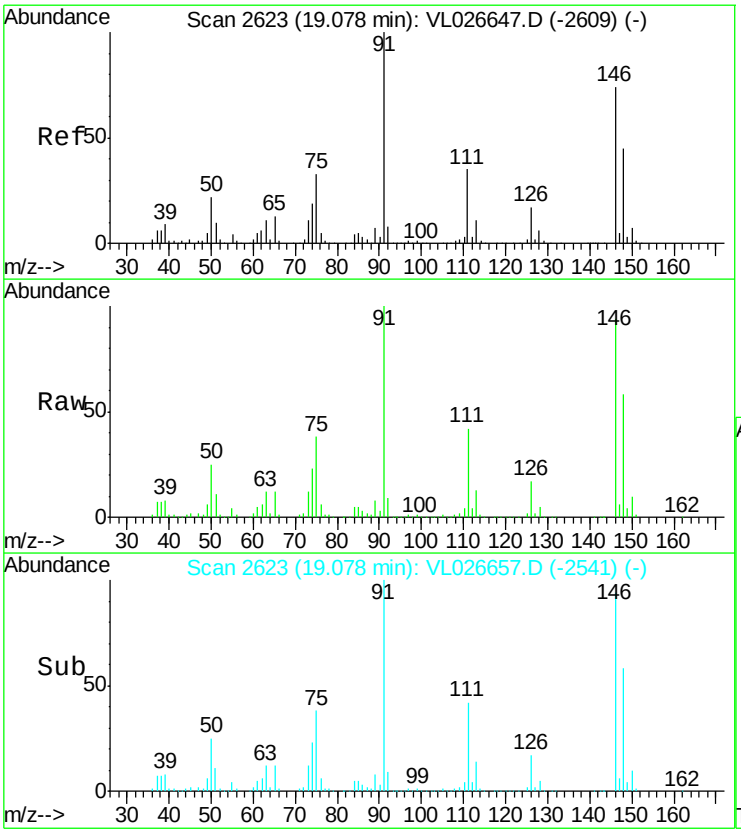
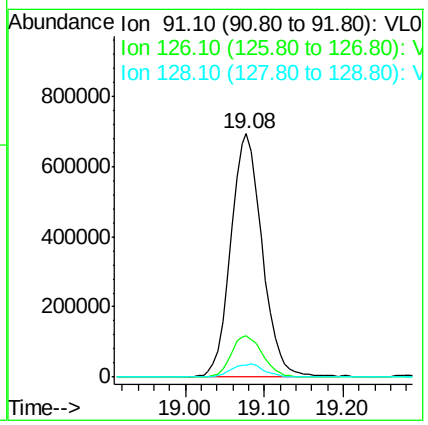
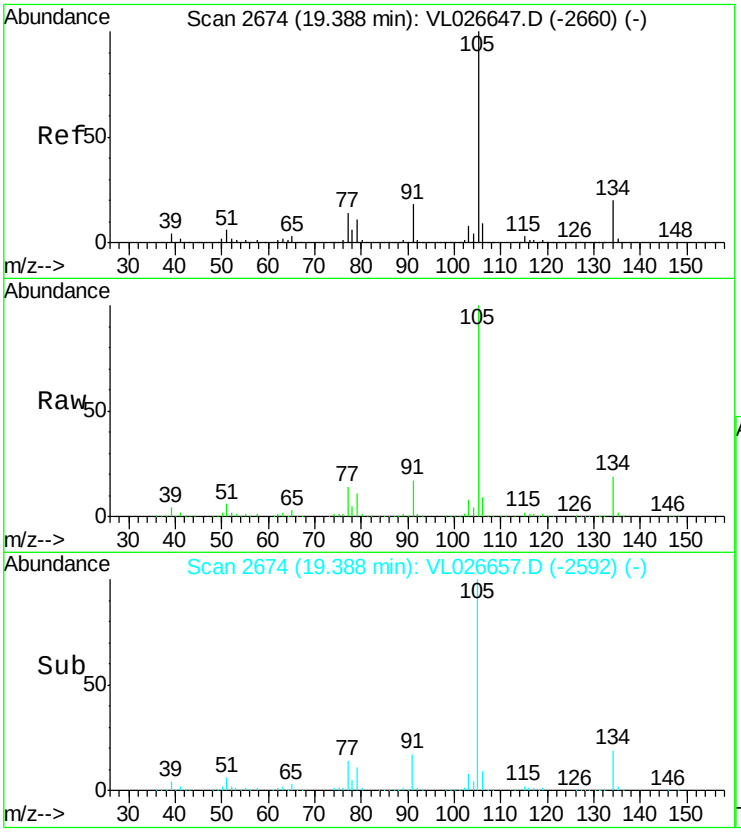


#66
Benzyl Chloride
Concen: 9.44 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 1910782

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.2	21.2
128	5.6	4.5	6.7

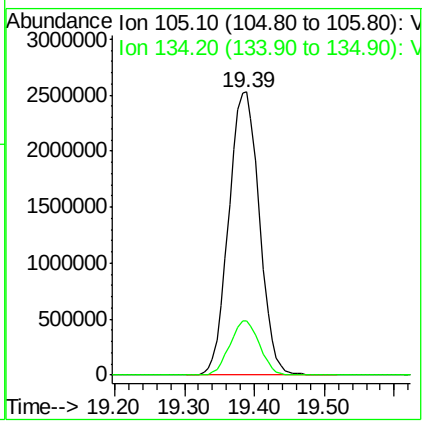




#67
sec-Butylbenzene
Concen: 9.12 ppbv
RT: 19.39 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:105 Resp: 7662234

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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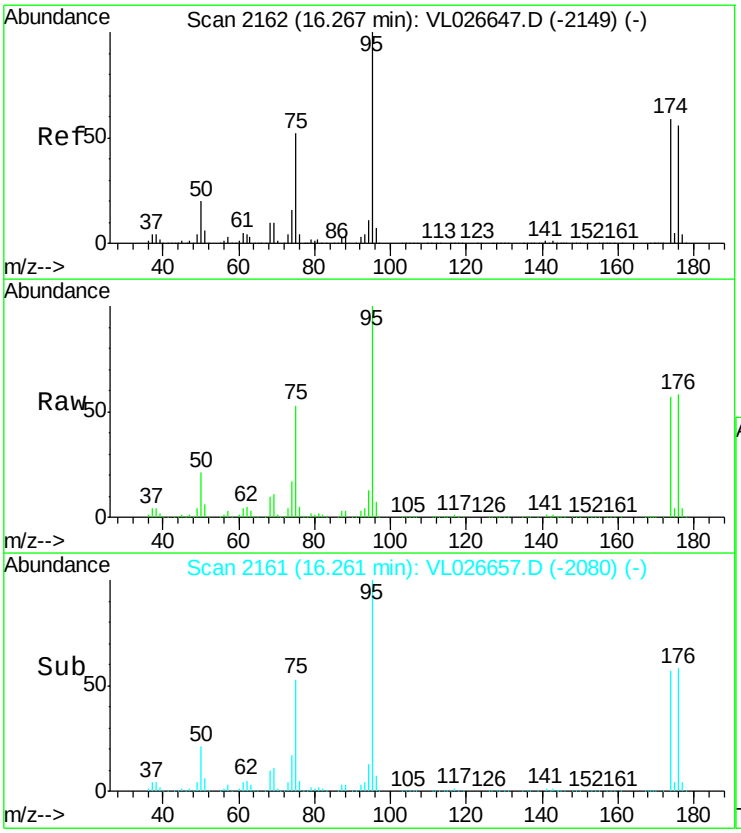
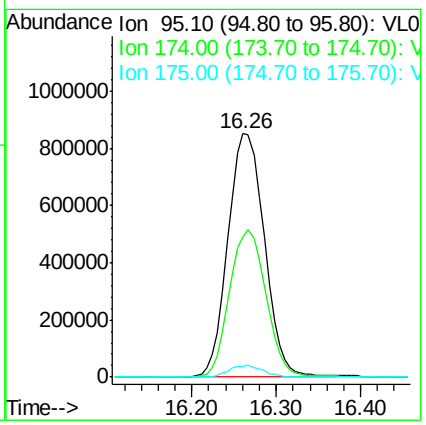
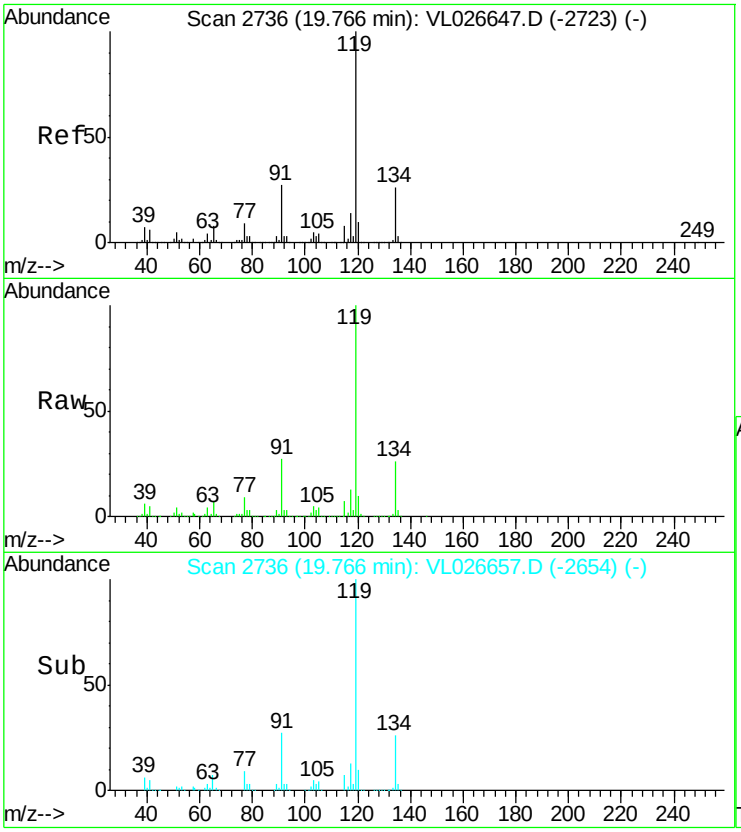


#68
1-Bromo-4-Fluorobenzene
Concen: 10.73 ppbv
RT: 16.26 min Scan# 2161
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 95 Resp: 2510777

Ion	Ratio	Lower	Upper
95	100		
174	60.9	47.8	71.8
175	4.5	3.6	5.4

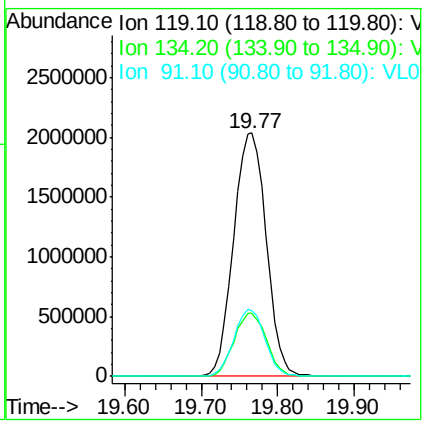




#69
p-Isopropyltoluene
Concen: 9.39 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:119 Resp: 6041121

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	26.3	21.7	32.5



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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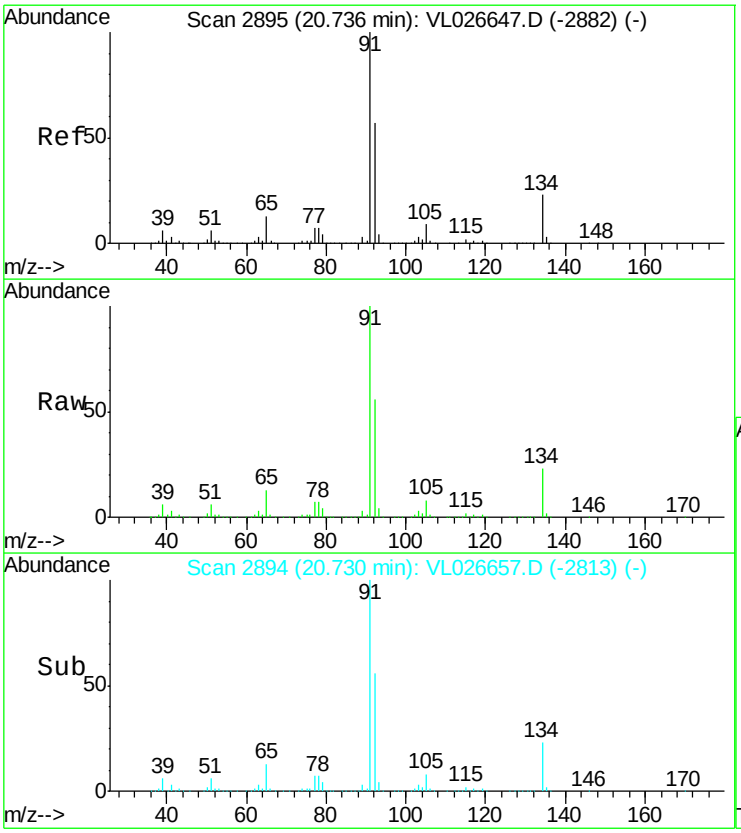
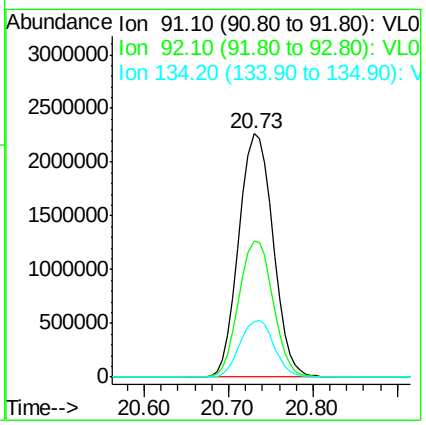
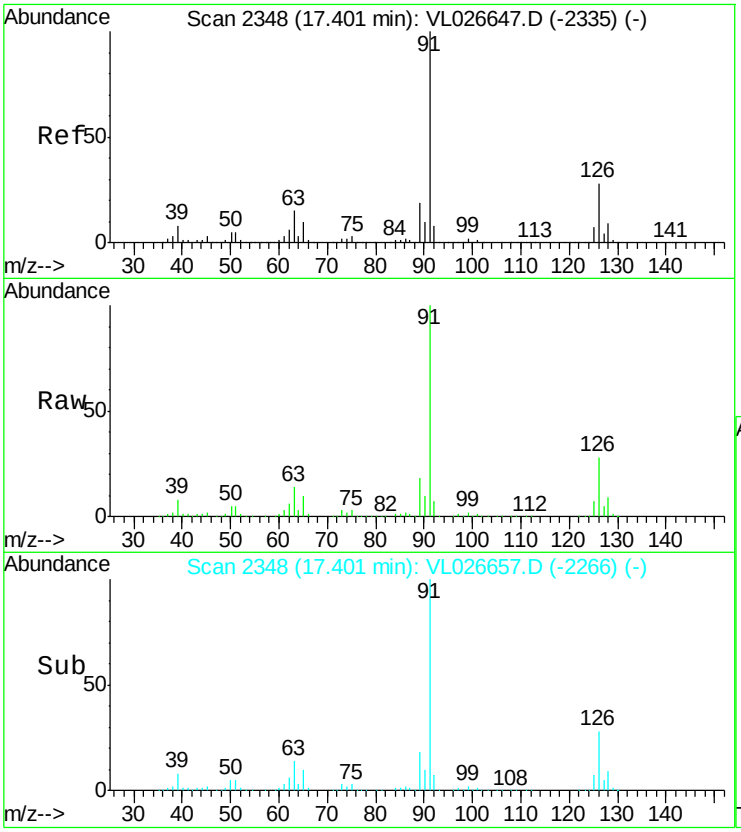


#70
n-Butylbenzene
Concen: 9.36 ppbv
RT: 20.73 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 6259774

Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.0	67.4
134	23.2	18.2	27.2

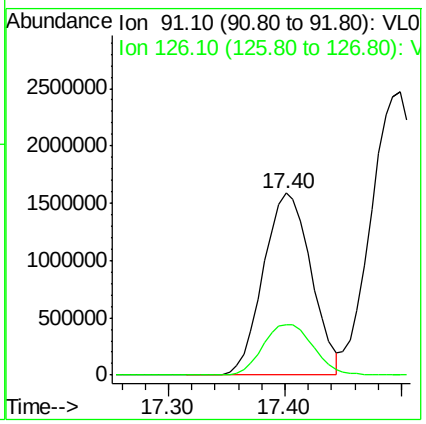




#71
2-Chlorotoluene
Concen: 9.40 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion: 91 Resp: 4524486

Ion	Ratio	Lower	Upper
91	100		
126	29.8	11.4	45.8



Instrument :
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ClientSampleId :
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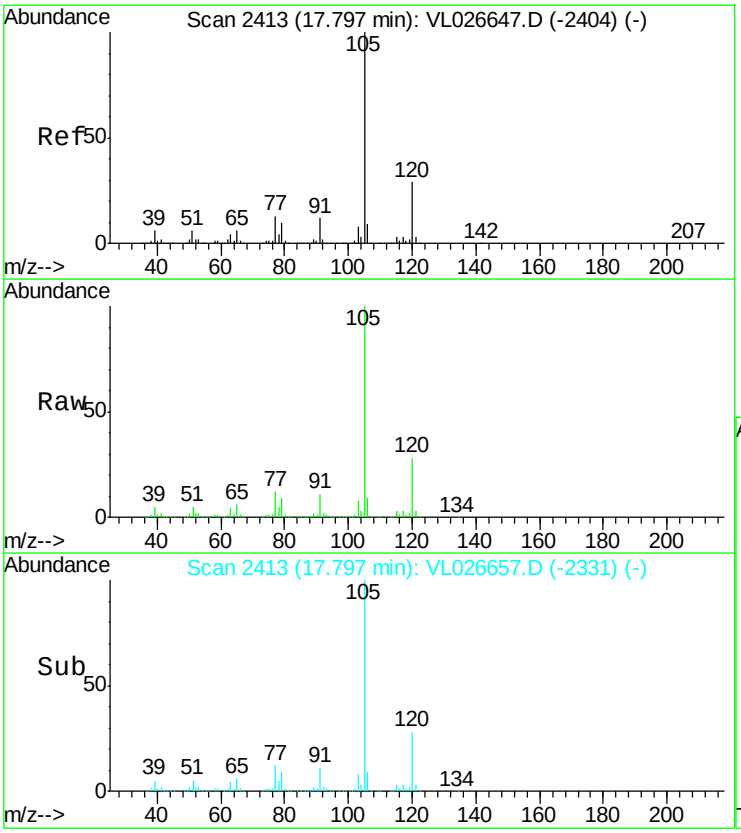
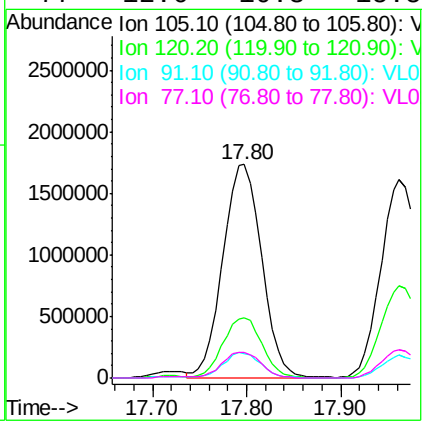
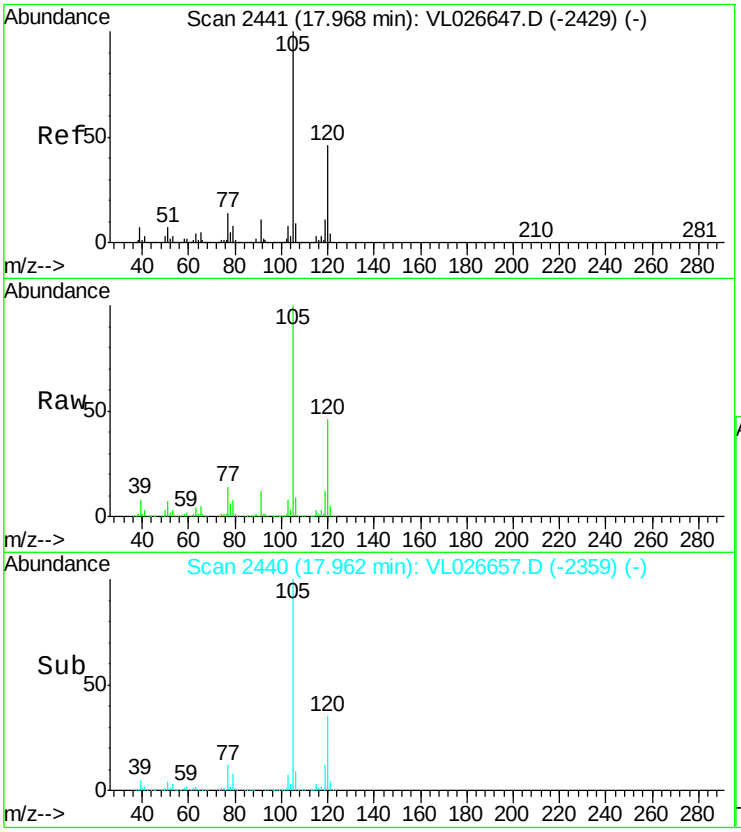


#72
4-Ethyltoluene
Concen: 9.56 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:105 Resp: 4993493

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.7	35.5
91	12.0	9.7	14.5
77	12.6	10.3	15.5

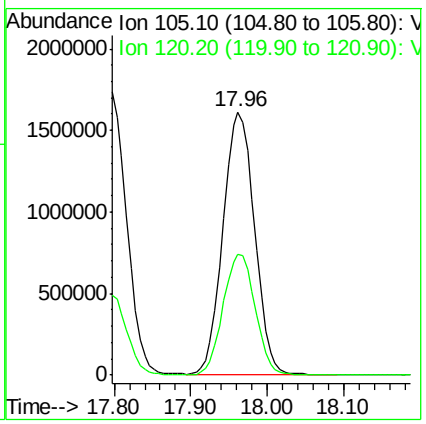




#73
1,3,5-Trimethylbenzene
Concen: 9.32 ppbv
RT: 17.96 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:105 Resp: 4613384

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.6	54.8



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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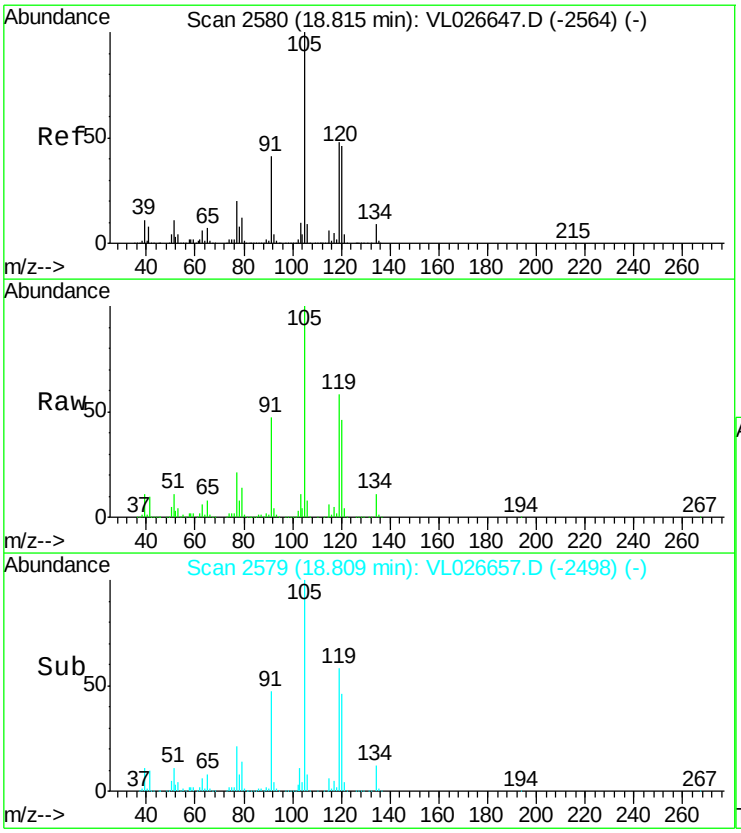
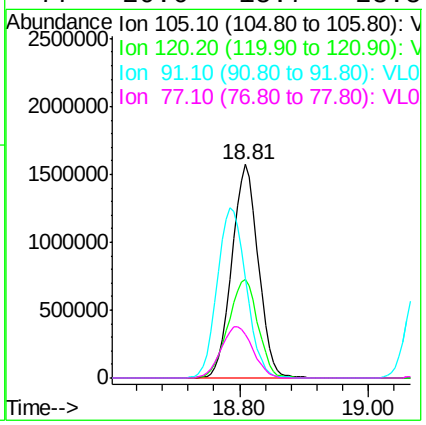
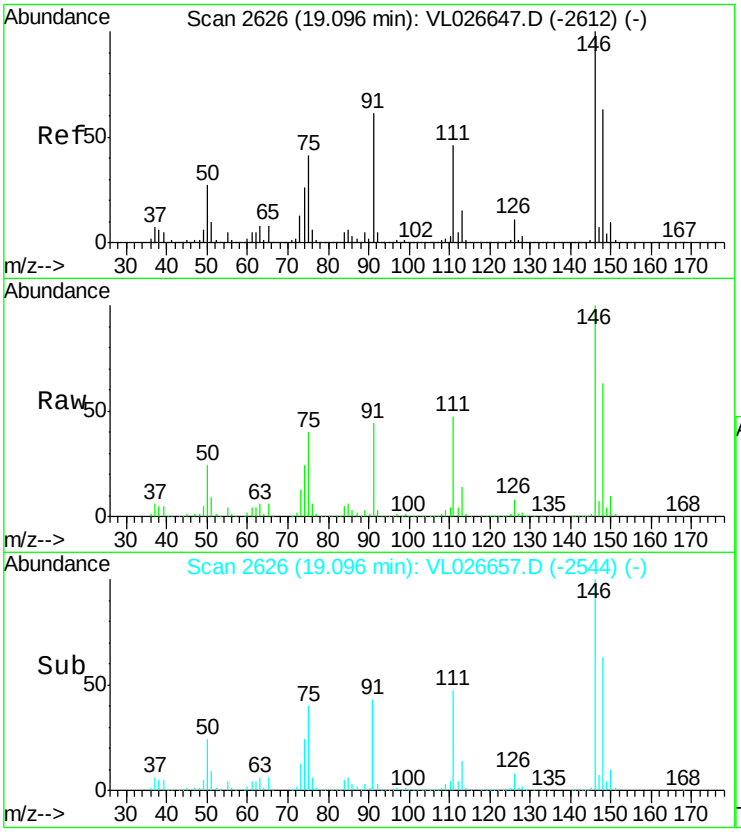


#74
1,2,4-Trimethylbenzene
Concen: 8.54 ppbv
RT: 18.81 min Scan# 2579
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:105 Resp: 4485762

Ion	Ratio	Lower	Upper
105	100		
120	46.2	36.6	55.0
91	46.8	32.5	48.7
77	20.6	15.7	23.5

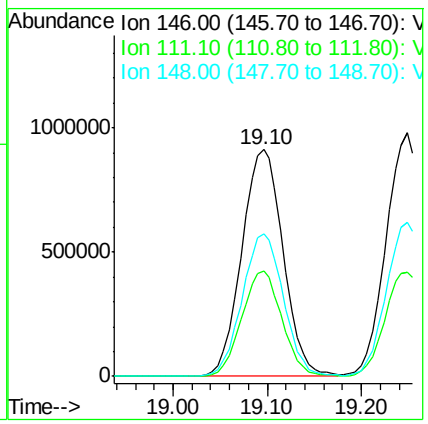




#75
1,3-Dichlorobenzene
Concen: 8.64 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:146 Resp: 2805349

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.5
148	62.7	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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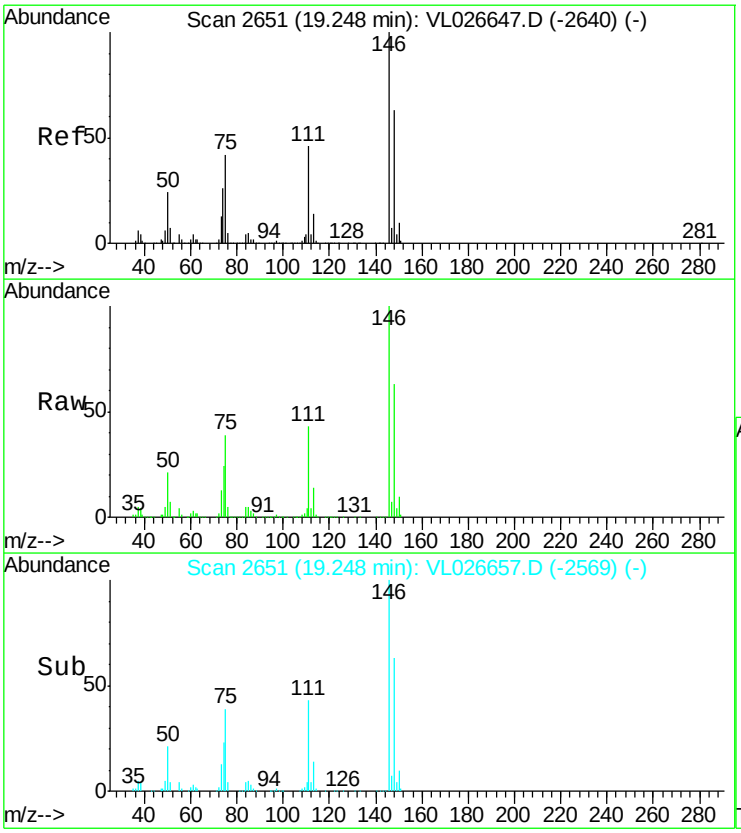
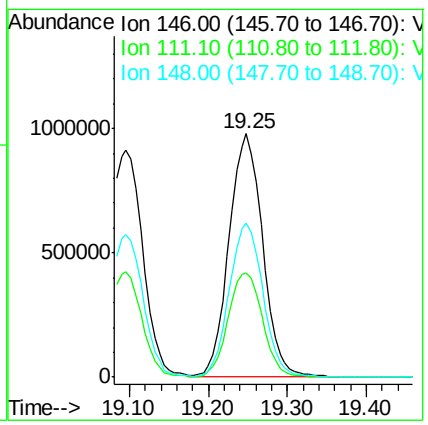
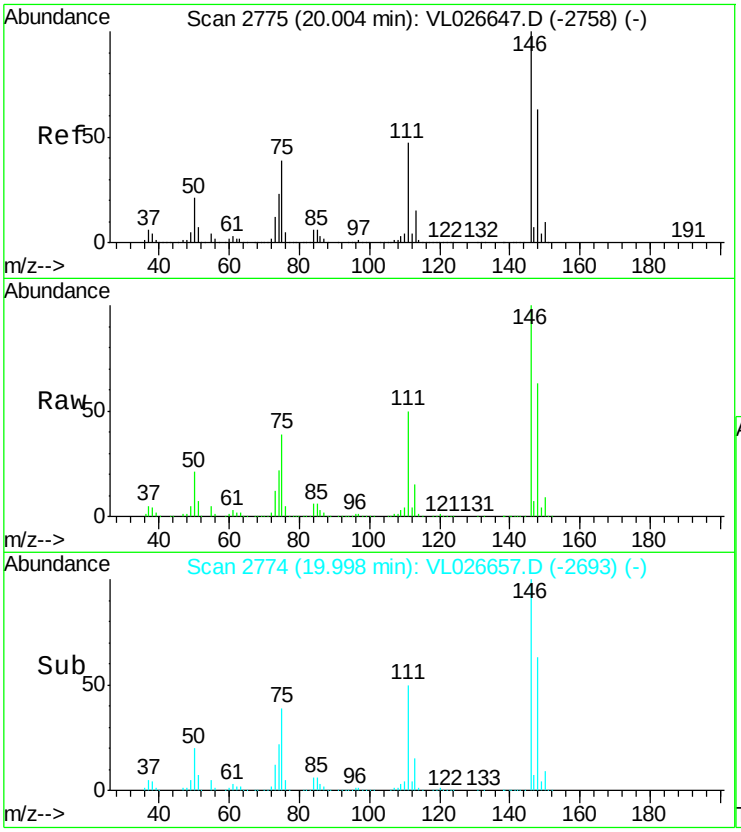


#76
1,4-Dichlorobenzene
Concen: 8.71 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:146 Resp: 2901409

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.3	66.8
148	64.0	31.9	95.9

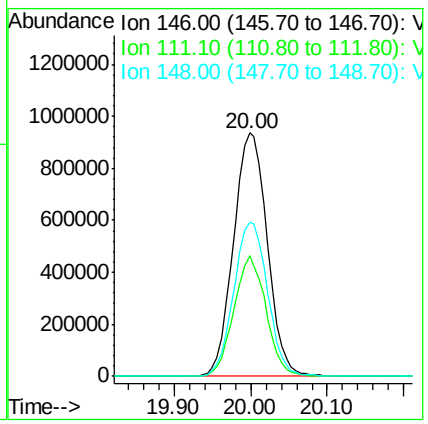




#77
1,2-Dichlorobenzene
Concen: 8.70 ppbv
RT: 20.00 min Scan# 2774
Delta R.T. -0.01 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:146 Resp: 2867921

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.7	71.1
148	63.5	31.1	93.5



Instrument :
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ClientSampleId :
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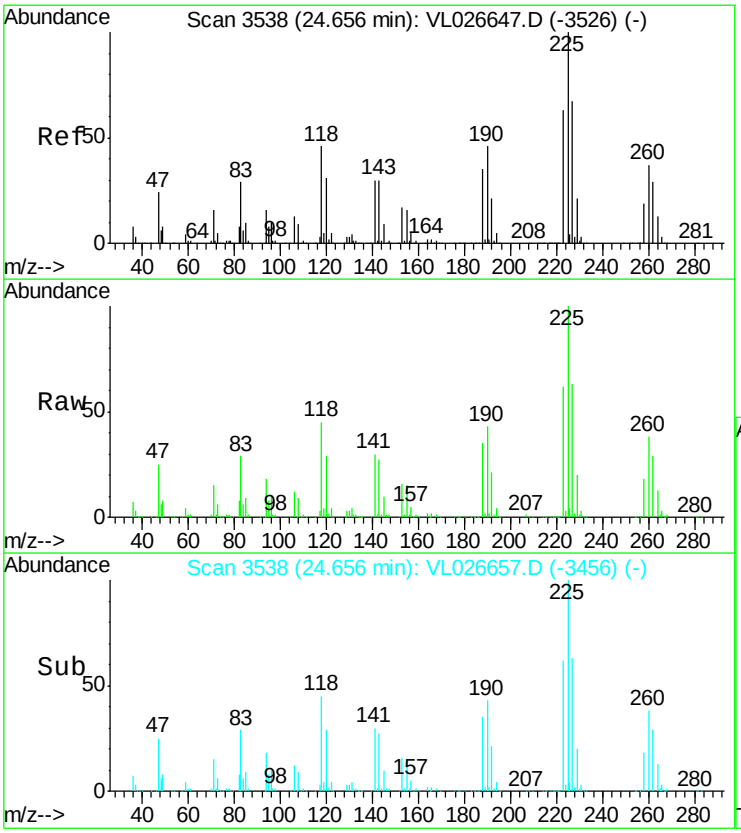
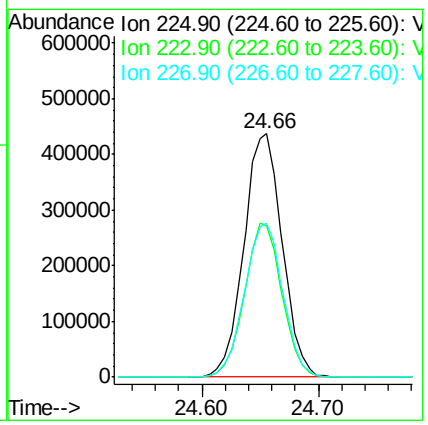
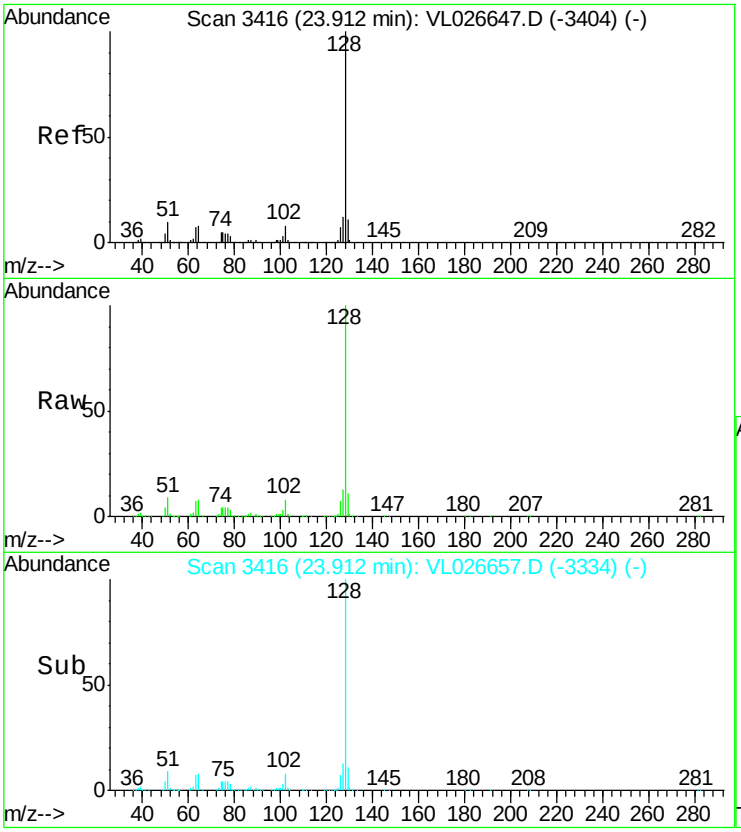


#78
Hexachloro-1,3-Butadiene
Concen: 7.46 ppbv
RT: 24.66 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:225 Resp: 1002843

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.1	75.1
227	63.4	51.1	76.7

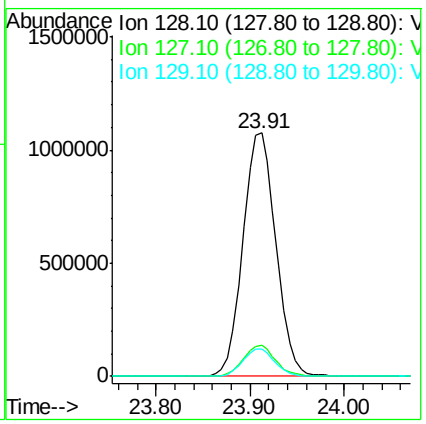




#79
Naphthalene
Concen: 7.43 ppbv
RT: 23.91 min Scan# 3416
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:128 Resp: 2636544

Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.8	14.8
129	11.2	8.9	13.3



Instrument :
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ClientSampleId :
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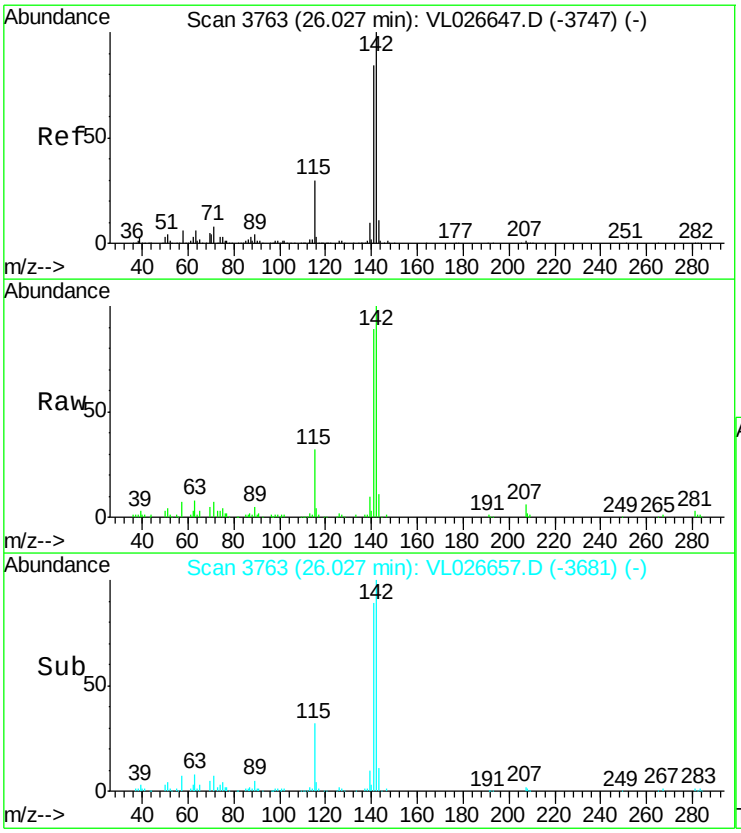
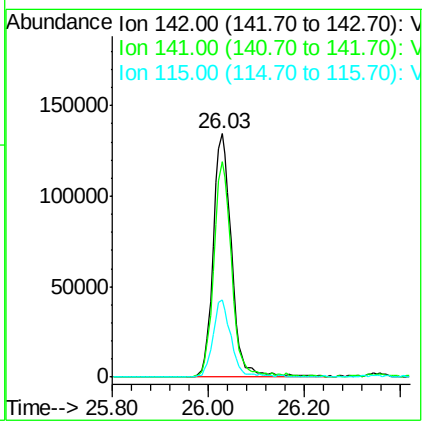
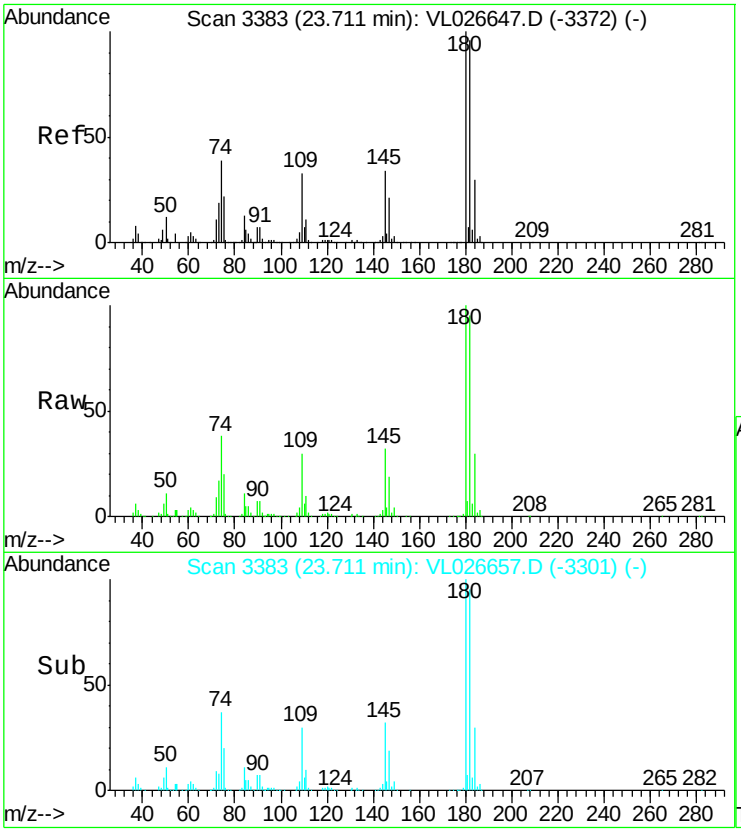


#80
Naphthalene,2-methyl-
Concen: 6.50 ppbv
RT: 26.03 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:142 Resp: 357664

Ion	Ratio	Lower	Upper
142	100		
141	86.3	67.0	100.6
115	31.8	24.7	37.1

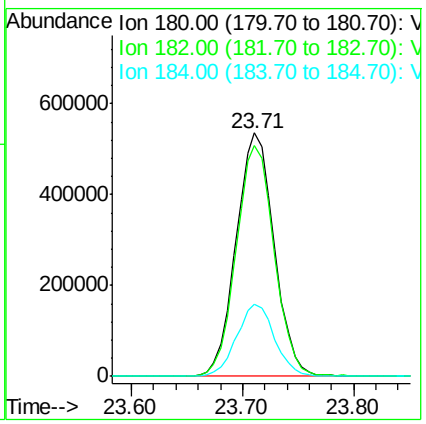




#81
1,2,4-Trichlorobenzene
Concen: 7.85 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VL026657.D
Acq: 9 Jan 2016 1:36

Tgt Ion:180 Resp: 1268042

Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.4	113.0
184	29.8	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VL0108ABS01

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