Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\
Data File : VL032016.D
Acq On : 31 May 2018 16:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

Quant Time: Jun 01 02:12:13 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 0
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1359740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2627431	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2721027m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2066983	9.78	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.15	85	1330150	7.67	ppbv	100
3) Chlorodifluoromethane	3.08	51	1152727	9.02	ppbv	100
4) Chloromethane	3.24	50	593988	8.98	ppbv	100
5) Vinyl Chloride	3.36	62	624579	8.29	ppbv	100
6) Bromomethane	3.59	94	451647	9.18	ppbv	100
7) Chloroethane	3.68	64	263866	9.15	ppbv	100
8) Dichlorotetrafluoroethane	3.29	85	1570973	8.85	ppbv	100
9) Propene	3.11	41	443098	9.56	ppbv	100
10) Heptane	8.37	43	1541165	9.56	ppbv	100
11) Trichlorofluoromethane	4.09	101	1998438	9.07	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1570561	10.02	ppbv	100
13) Ethanol	3.73	45	131911	7.61	ppbv	100
14) Bromoethene	3.87	108	525876	9.32	ppbv	100
15) Acetone	3.99	43	1340359	7.06	ppbv	100
16) 1,3-Butadiene	3.44	39	616936	10.04	ppbv	100
17) tert-Butyl alcohol	4.45	59	752997	9.49	ppbv	100
18) 1,1-Dichloroethene	4.44	96	665662	9.74	ppbv	100
19) Isopropyl Alcohol	4.11	45	1004680	9.49	ppbv	99
20) Methylene Chloride	4.50	84	622597	9.48	ppbv	100
21) Allyl Chloride	4.57	41	1107898	10.02	ppbv	100
22) trans-1,2-Dichloroethene	5.06	96	768752	10.11	ppbv	100
23) Vinyl Acetate	5.25	43	2229105	10.10	ppbv	100
24) 1,1-Dichloroethane	5.19	63	2002653	9.62	ppbv	100
25) Ethyl Acetate	5.87	43	3136926	9.49	ppbv	100
26) Hexane	5.88	57	1494043	9.58	ppbv	100
27) Carbon Disulfide	4.71	76	2046967	11.41	ppbv	99
28) Methyl tert-Butyl Ether	5.21	73	1918288	10.01	ppbv	100
29) Chloroform	5.95	83	2392304	9.61	ppbv	100
30) Cyclohexane	7.36	84	946036	9.19	ppbv	100
31) cis-1,2-Dichloroethene	5.75	61	1427910	9.98	ppbv	100
32) 1,1,1-Trichloroethane	6.73	97	1922814	8.50	ppbv	100
34) 2-Butanone	5.43	43	2043263	9.41	ppbv	100
35) Carbon Tetrachloride	7.25	117	2049324	9.73	ppbv	100
36) Benzene	7.12	78	2295361	9.30	ppbv	100
37) 1,2-Dichloroethane	6.52	62	1613000	9.24	ppbv	100
38) Trichloroethene	8.08	130	938784	9.95	ppbv	100
39) 1,2-Dichloropropane	7.86	63	835790	9.68	ppbv	100
40) 1,4-Dioxane	8.07	88	366849	9.47	ppbv	100
41) Tetrahydrofuran	6.26	42	1000705	10.68	ppbv	100
42) Bromodichloromethane	8.04	83	2001709	10.00	ppbv	100
43) Methyl Methacrylate	8.25	69	890355	10.57	ppbv	100

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Data File : VL032016.D
Acq On : 31 May 2018 16:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

Quant Time: Jun 01 02:12:13 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 0
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.11	57	3911740	9.74	ppbv	100
45) t-1,3-Dichloropropene	9.54	75	1283493	11.47	ppbv	100
46) cis-1,3-Dichloropropene	8.96	75	1569186	11.38	ppbv	100
47) 1,1,2-Trichloroethane	9.74	97	992574	9.69	ppbv	100
48) Dibromochloromethane	10.58	129	1735716	10.50	ppbv	100
49) Bromoform	13.33	173	1436189	11.08	ppbv	100
50) 4-Methyl-2-Pentanone	8.99	43	2073559	10.11	ppbv	100
51) 2-Hexanone	10.39	43	1984406	10.62	ppbv	100
52) Tetrachloroethene	11.50	164	911670	9.92	ppbv	100
53) Toluene	10.07	91	2811619	10.50	ppbv	100
54) 1,2-Dibromoethane	10.89	107	1537854	10.09	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.41	131	1200627	9.58	ppbv	98
57) Chlorobenzene	12.43	112	2246654	9.44	ppbv	100
58) Ethyl Benzene	12.99	91	4042159	10.25	ppbv	100
59) m/p-Xylene	13.28	91	6735264m	19.98	ppbv	
60) o-Xylene	13.98	91	3431334	10.14	ppbv	100
61) Styrene	13.81	104	821994	12.02	ppbv	100
62) Isopropylbenzene	14.95	105	4261605	9.90	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.96	83	2283217	9.54	ppbv	100
64) n-propylbenzene	15.85	120	1082142	10.00	ppbv	100
65) tert-Butylbenzene	17.03	119	3697850	9.65	ppbv	100
66) Benzyl Chloride	17.29	91	404970	11.34	ppbv	98
67) sec-Butylbenzene	17.59	105	5270549	9.88	ppbv	100
69) p-Isopropyltoluene	17.94	119	4264375	9.98	ppbv	100
70) n-Butylbenzene	18.84	91	4332922	9.82	ppbv	100
71) 2-Chlorotoluene	15.75	91	3256334	10.30	ppbv	100
72) 4-Ethyltoluene	16.13	105	3618079	10.54	ppbv	100
73) 1,3,5-Trimethylbenzene	16.29	105	3186128	10.10	ppbv	100
74) 1,2,4-Trimethylbenzene	17.05	105	3402604	9.71	ppbv	100
75) 1,3-Dichlorobenzene	17.29	146	2165412	9.94	ppbv	100
76) 1,4-Dichlorobenzene	17.44	146	2184206	10.14	ppbv	100
77) 1,2-Dichlorobenzene	18.12	146	2071996	9.54	ppbv	100
78) Hexachloro-1,3-Butadiene	23.66	225	690755m	7.77	ppbv	
79) Naphthalene	22.56	128	2443274	10.15	ppbv	100
80) Naphthalene,2-methyl-	25.21	142	1186426	18.70	ppbv	100
81) 1,2,4-Trichlorobenzene	22.29	180	1262920	9.47	ppbv	100

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

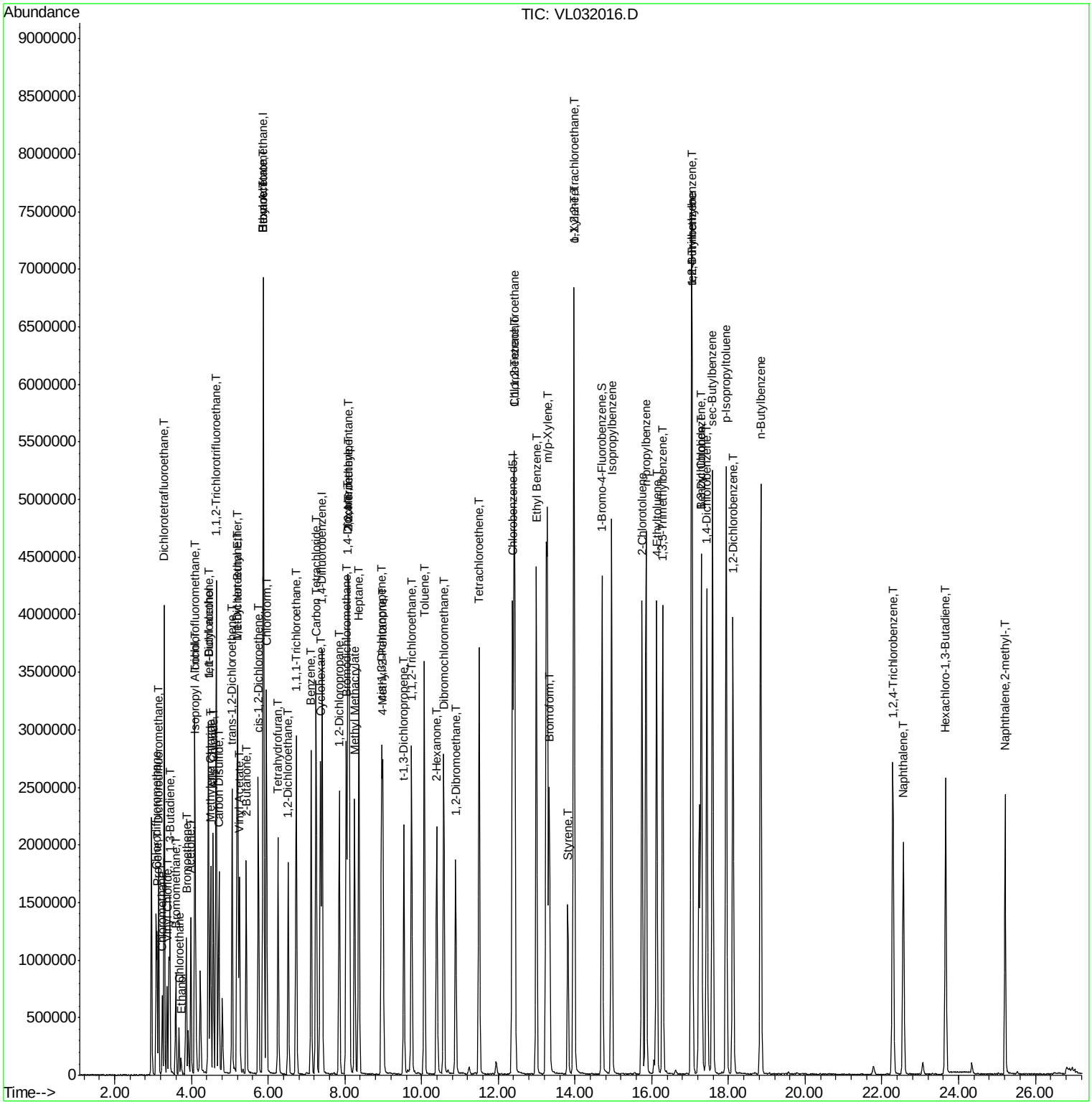
Quantitation Report (QT Reviewed)

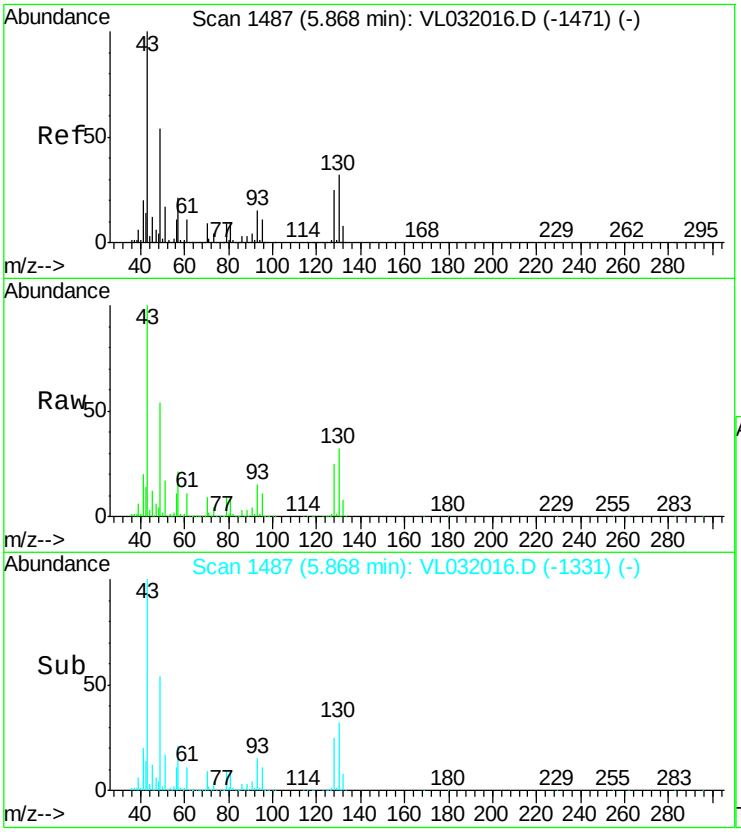
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\
Data File : VL032016.D
Acq On : 31 May 2018 16:04
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 01 02:12:13 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

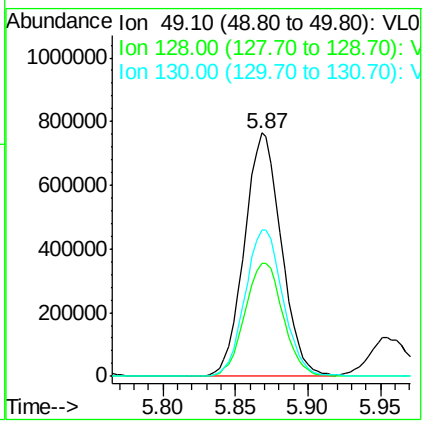




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.87 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

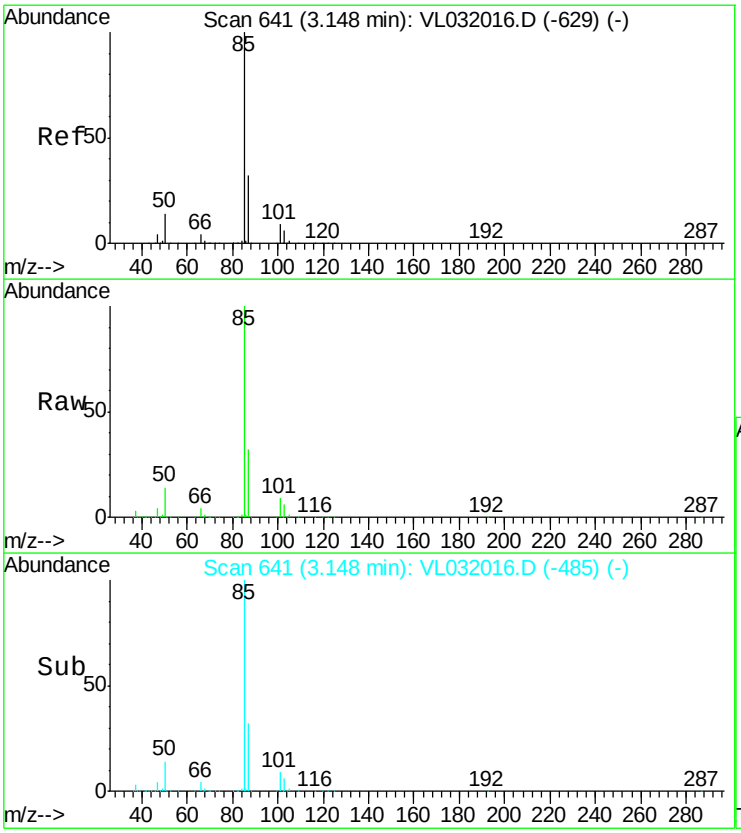
Tgt Ion: 49 Resp: 1359740

Ion	Ratio	Lower	Upper
49	100		
128	48.2	24.1	72.3
130	61.9	30.9	92.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

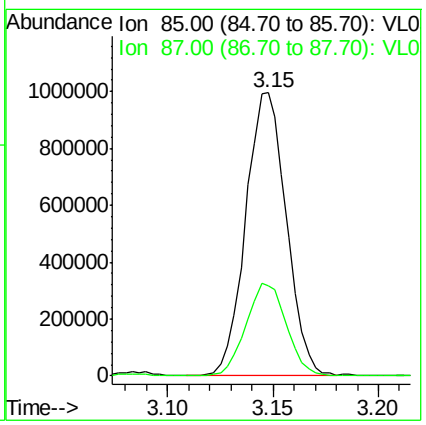
Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

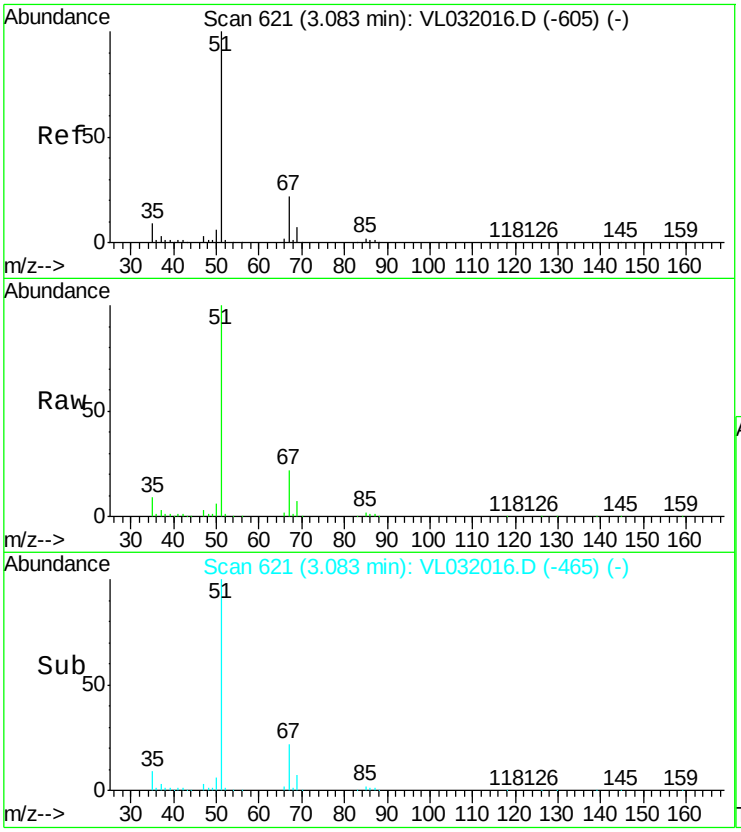


#2
Dichlorodifluoromethane
Concen: 7.67 ppbv
RT: 3.15 min Scan# 641
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 85 Resp: 1330150

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.5	38.3

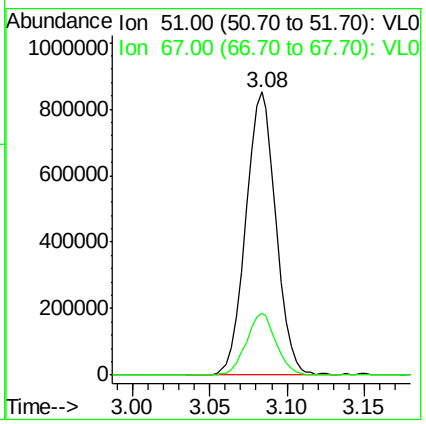




#3
Chlorodifluoromethane
Concen: 9.02 ppbv
RT: 3.08 min Scan# 621
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

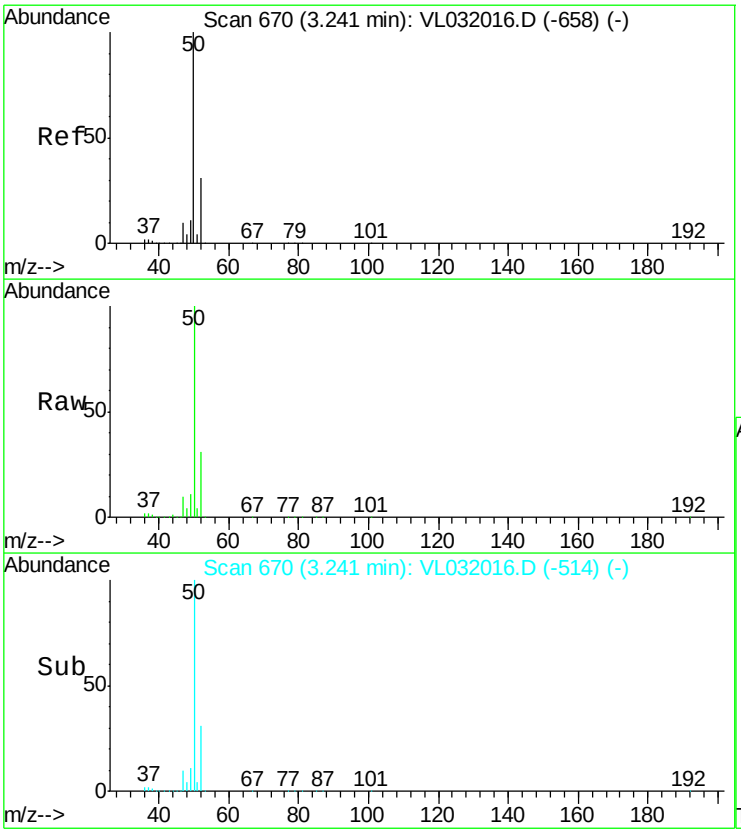
Tgt Ion: 51 Resp: 1152727

Ion	Ratio	Lower	Upper
51	100		
67	21.7	17.2	25.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

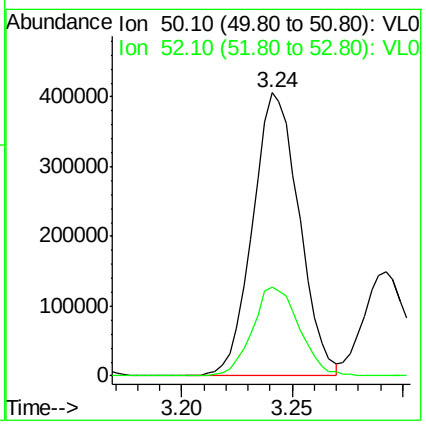
Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

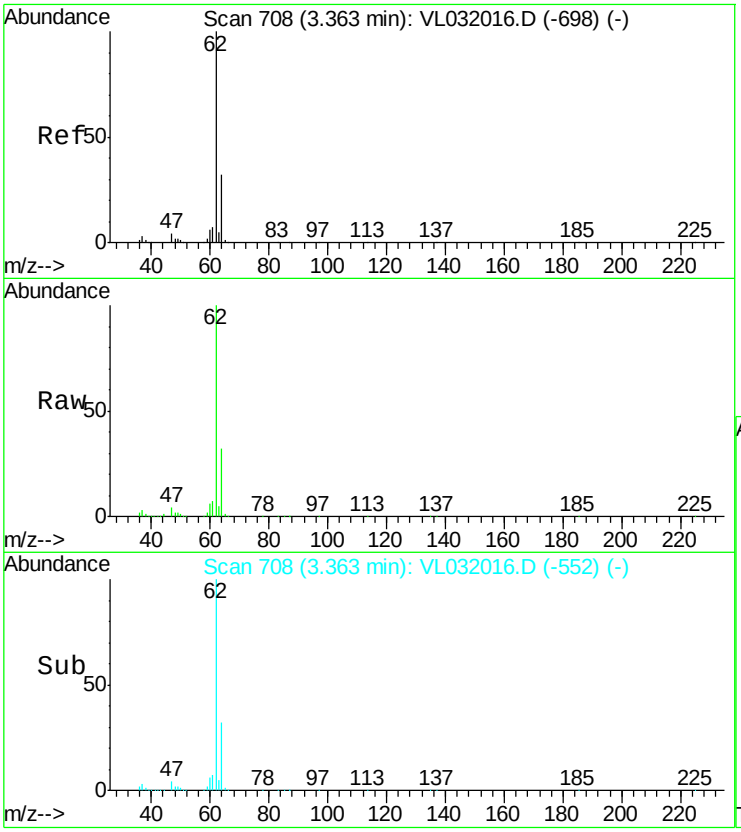


#4
Chloromethane
Concen: 8.98 ppbv
RT: 3.24 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 50 Resp: 593988

Ion	Ratio	Lower	Upper
50	100		
52	31.3	25.0	37.6

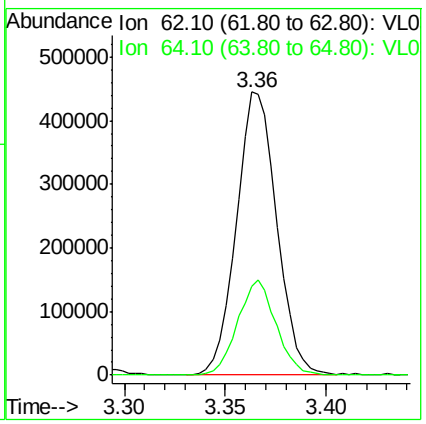




#5
Vinyl Chloride
Concen: 8.29 ppbv
RT: 3.36 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

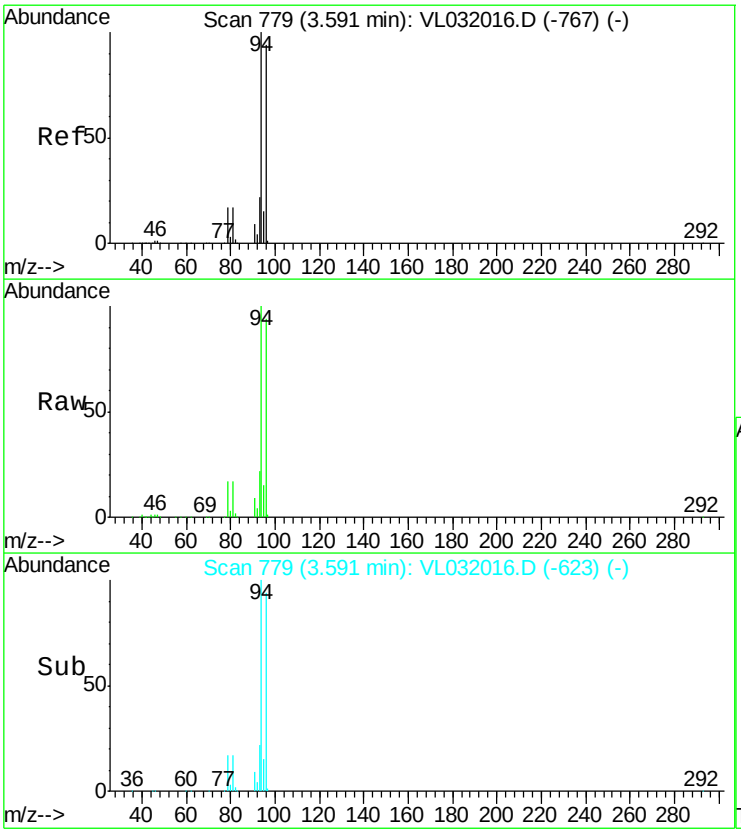
Tgt Ion: 62 Resp: 624579

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

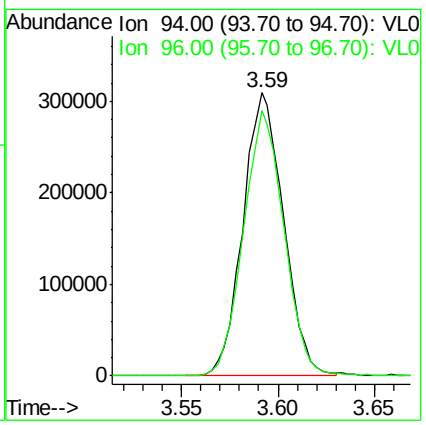
Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

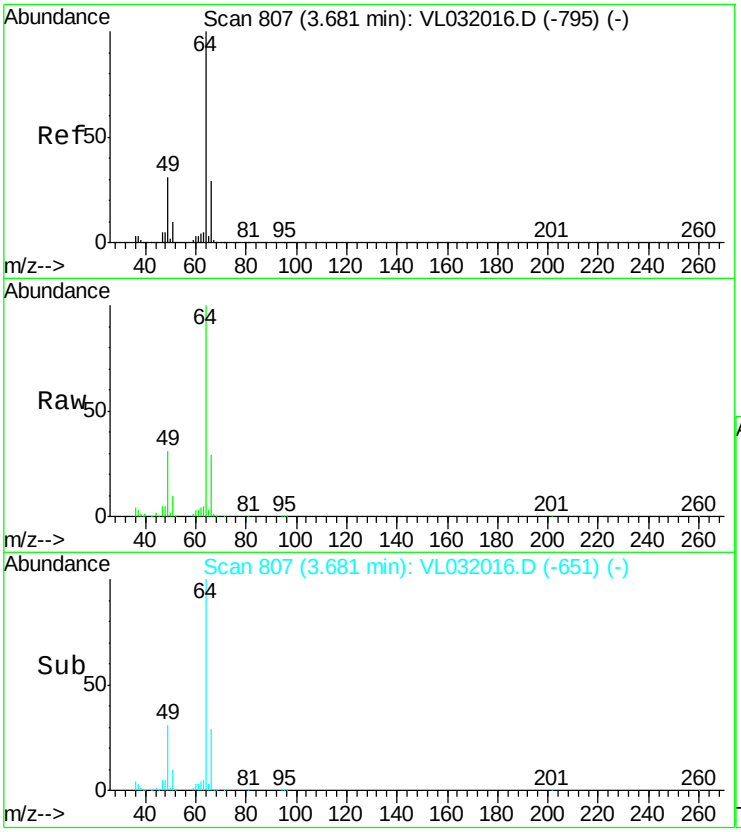


#6
Bromomethane
Concen: 9.18 ppbv
RT: 3.59 min Scan# 779
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 94 Resp: 451647

Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.1	112.7

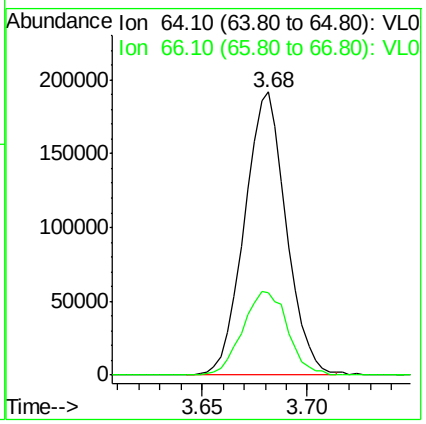




#7
Chloroethane
Concen: 9.15 ppbv
RT: 3.68 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

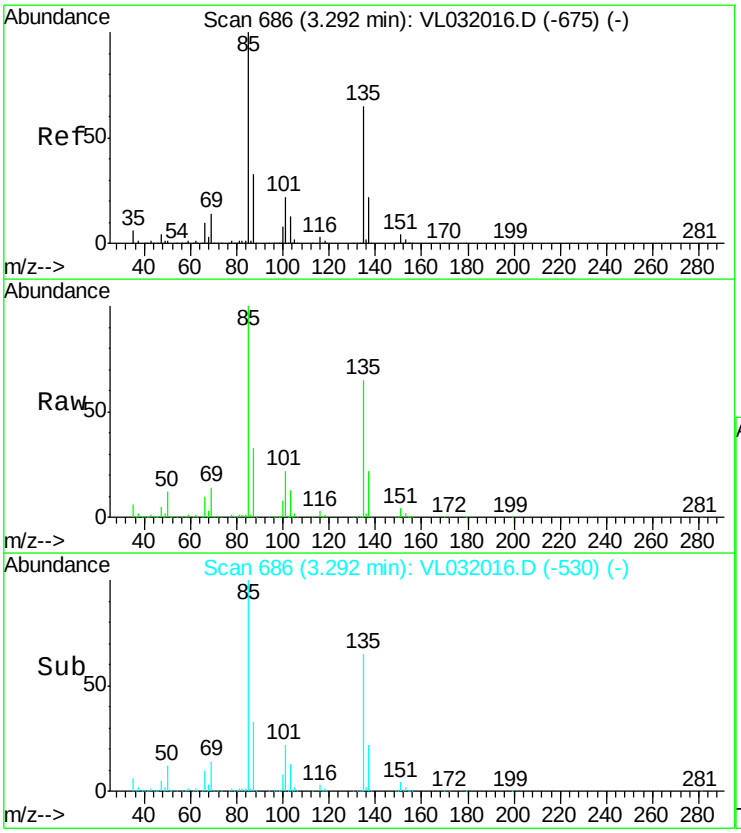
Tgt Ion: 64 Resp: 263866

Ion	Ratio	Lower	Upper
64	100		
66	29.3	23.4	35.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

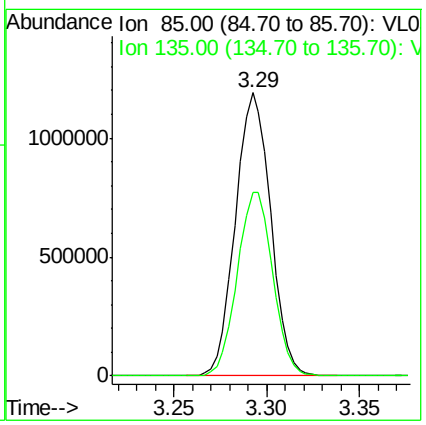
Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

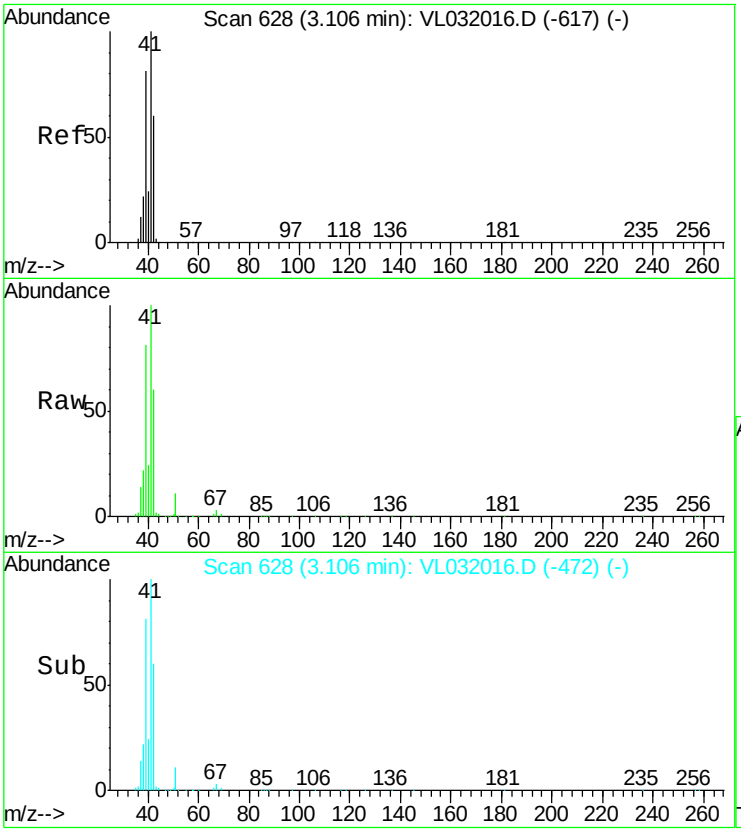


#8
Dichlorotetrafluoroethane
Concen: 8.85 ppbv
RT: 3.29 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 85 Resp: 1570973

Ion	Ratio	Lower	Upper
85	100		
135	65.8	52.6	79.0

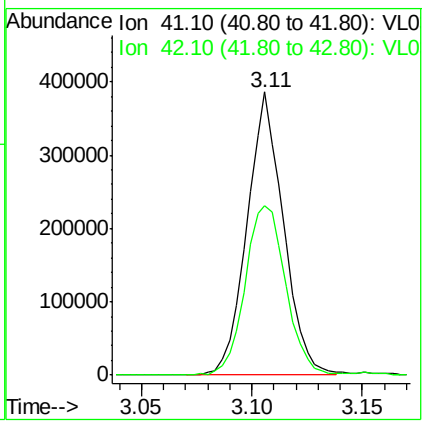




#9
Propene
Concen: 9.56 ppbv
RT: 3.11 min Scan# 628
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 41 Resp: 443098

Ion	Ratio	Lower	Upper
41	100		
42	68.0	54.4	81.6



Instrument :
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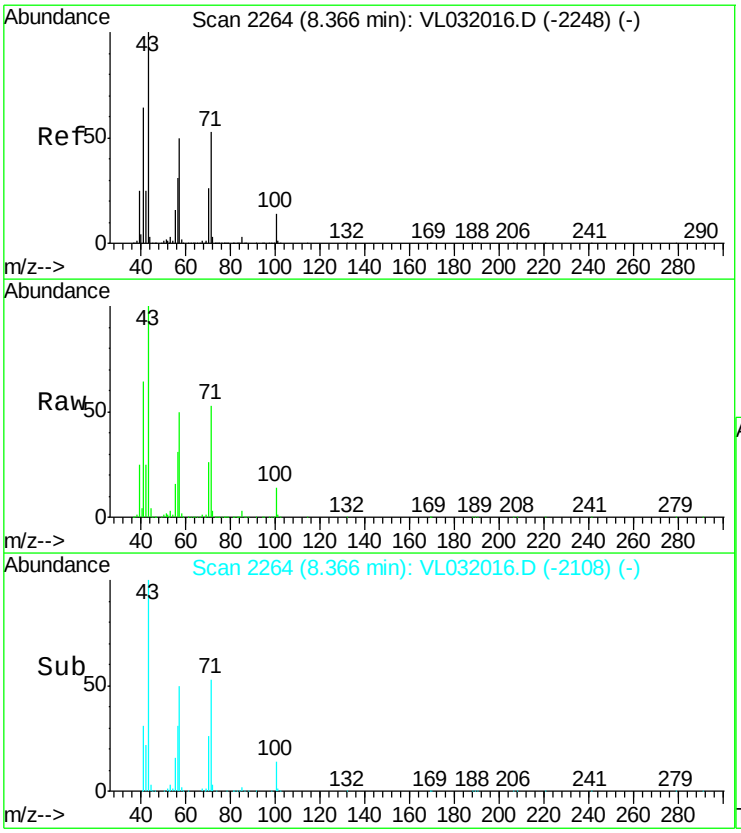
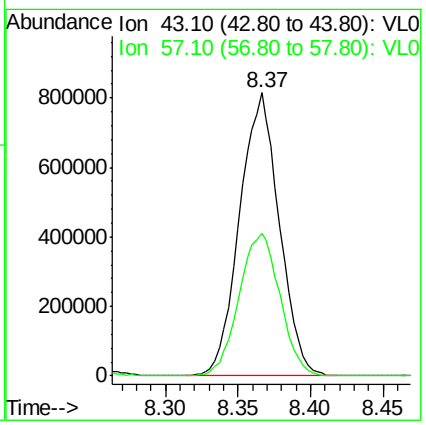
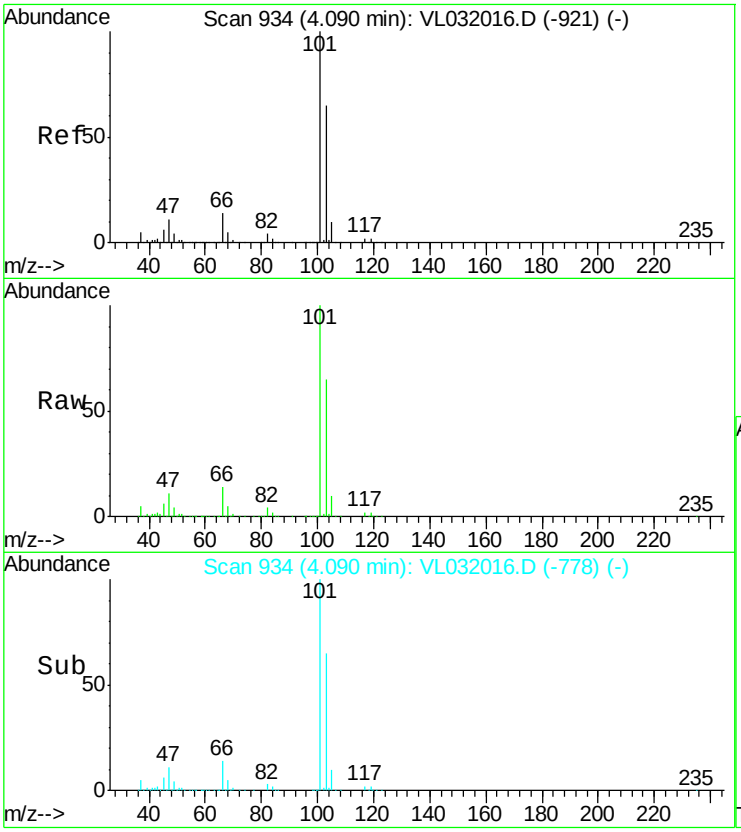


#10
Heptane
Concen: 9.56 ppbv
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 1541165

Ion	Ratio	Lower	Upper
43	100		
57	52.2	41.7	62.5





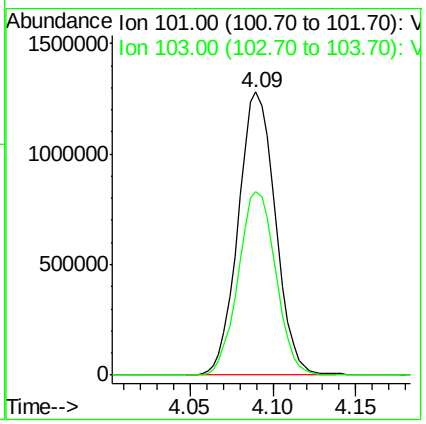
#11
Trichlorofluoromethane
Concen: 9.07 ppbv
RT: 4.09 min Scan# 934
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

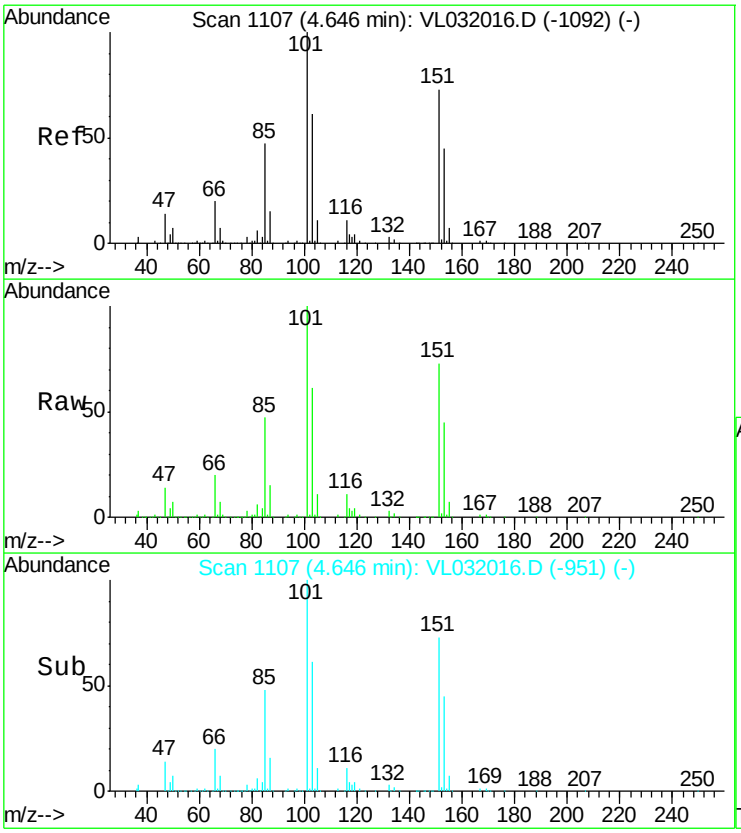
Tgt Ion:101 Resp: 1998438

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.0	78.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
MMDadoda
6/4/2018 10:54:52 AM

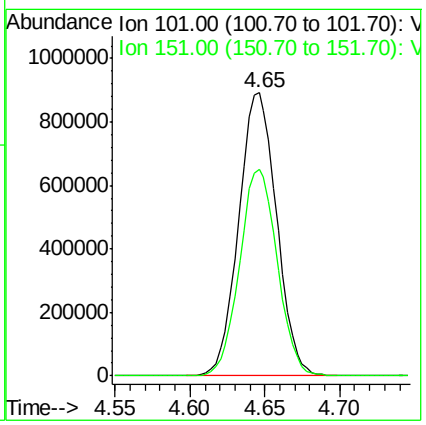


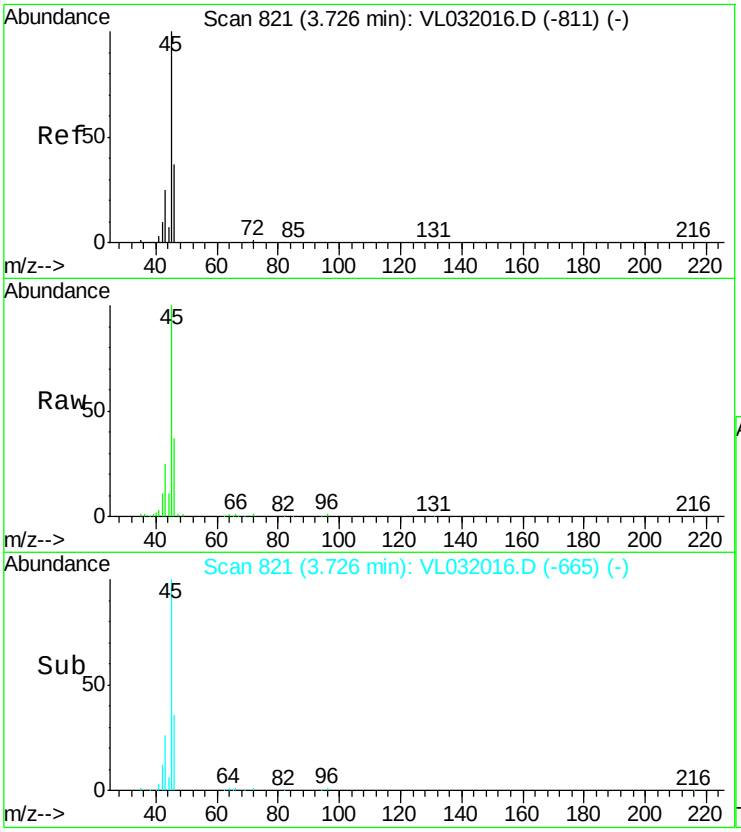


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.02 ppbv
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:101 Resp: 1570561

Ion	Ratio	Lower	Upper
101	100		
151	72.8	58.2	87.4

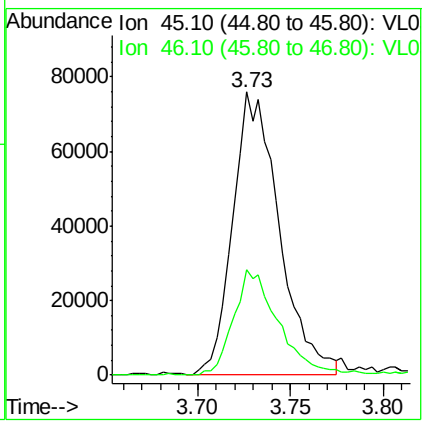




#13
Ethanol
Concen: 7.61 ppbv
RT: 3.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 45 Resp: 131911

Ion	Ratio	Lower	Upper
45	100		
46	37.3	14.9	59.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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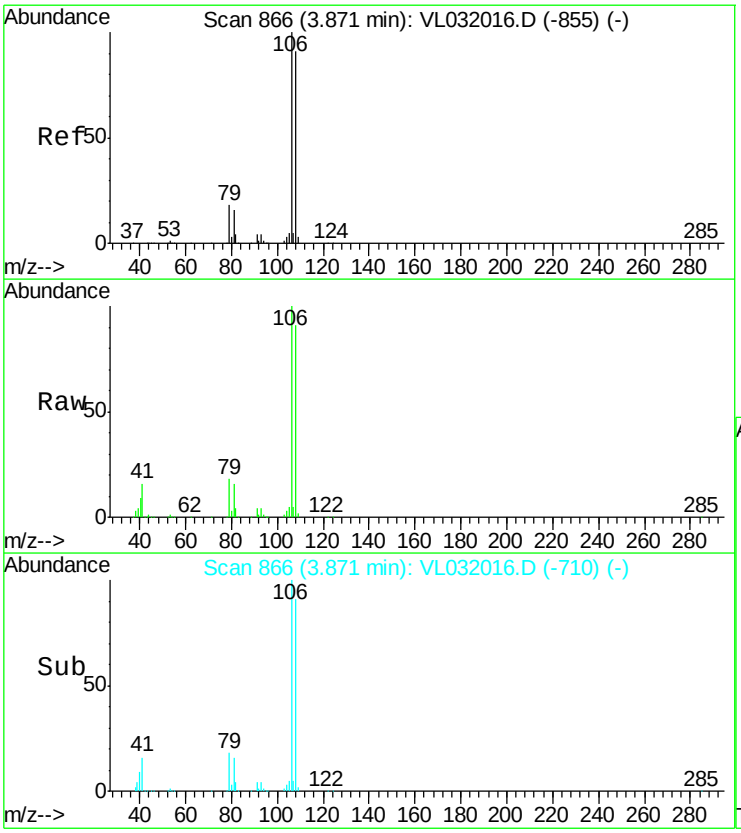
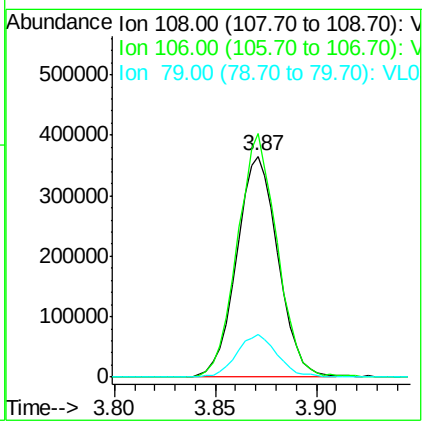
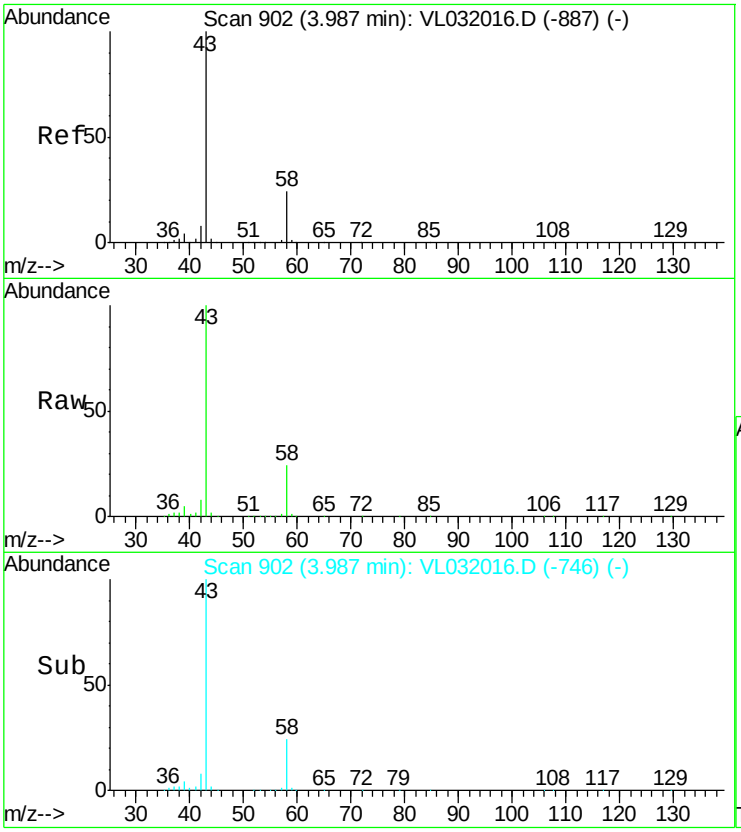


#14
Bromoethene
Concen: 9.32 ppbv
RT: 3.87 min Scan# 866
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:108 Resp: 525876

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.1	127.7
79	18.8	15.2	22.8

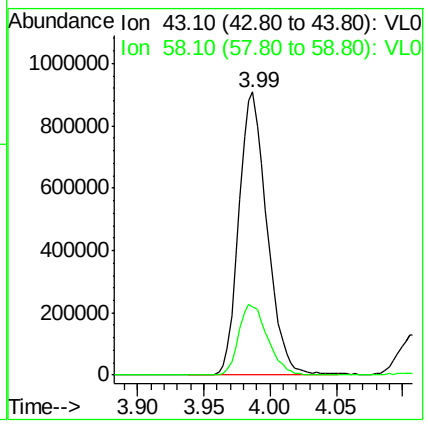




#15
Acetone
Concen: 7.06 ppbv
RT: 3.99 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 1340359

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.7	31.1



Instrument :
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ClientSampleId :
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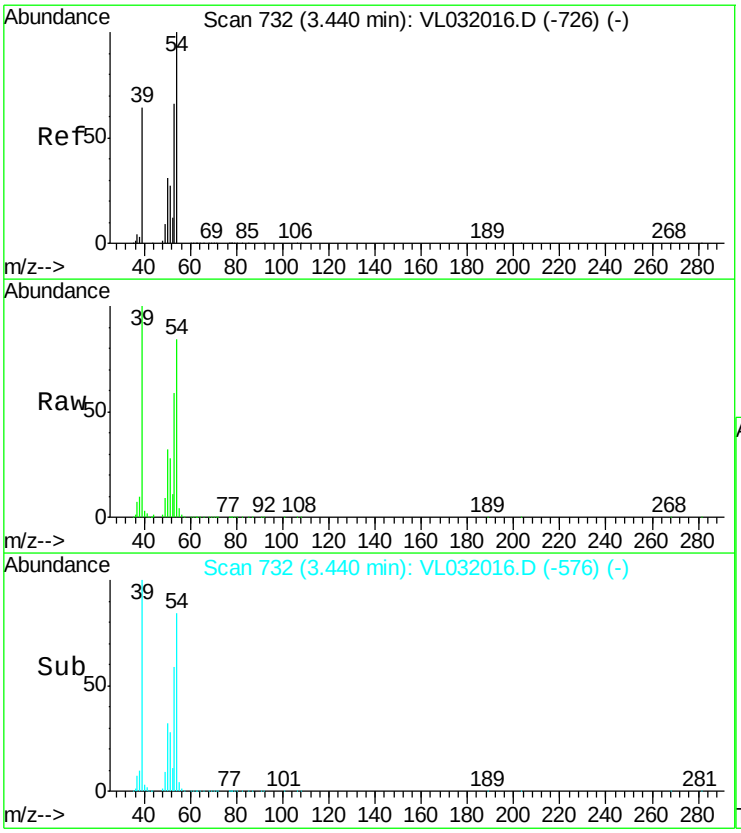
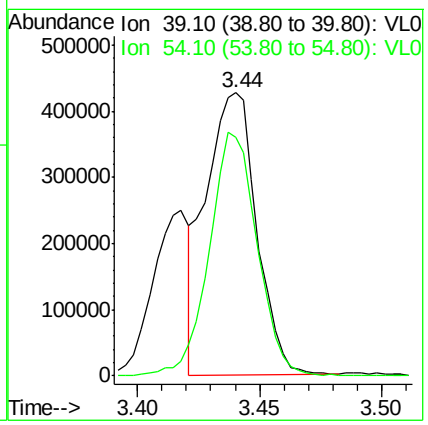
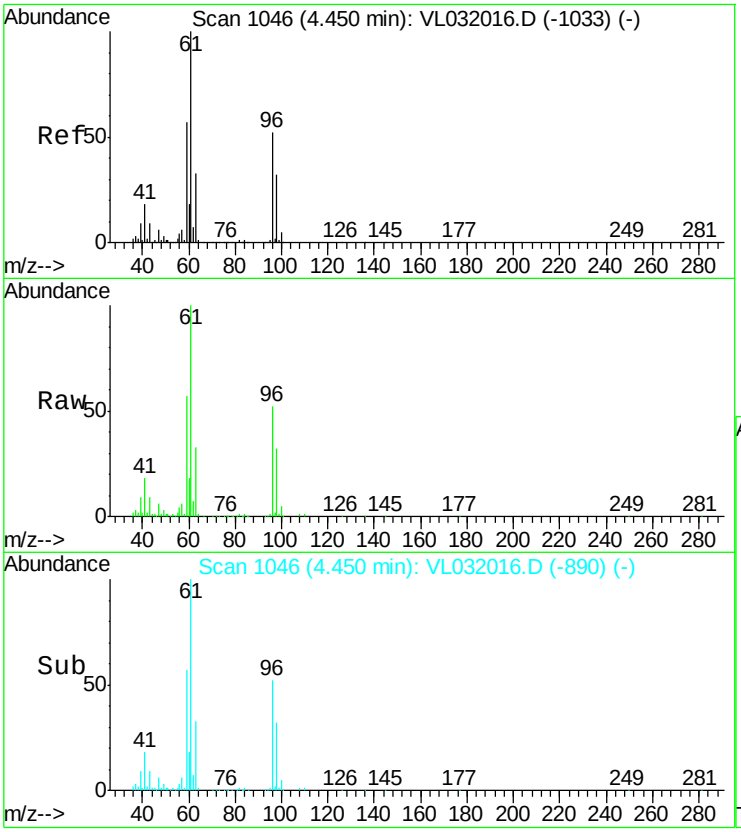


#16
1,3-Butadiene
Concen: 10.04 ppbv
RT: 3.44 min Scan# 732
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 39 Resp: 616936

Ion	Ratio	Lower	Upper
39	100		
54	82.3	65.7	98.5

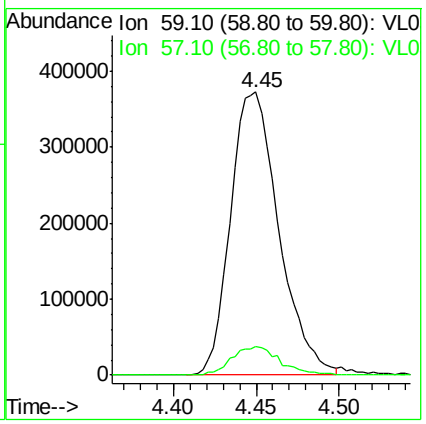




#17
tert-Butyl alcohol
Concen: 9.49 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 59 Resp: 752997

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
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ClientSampleId :
VSTDICCC010

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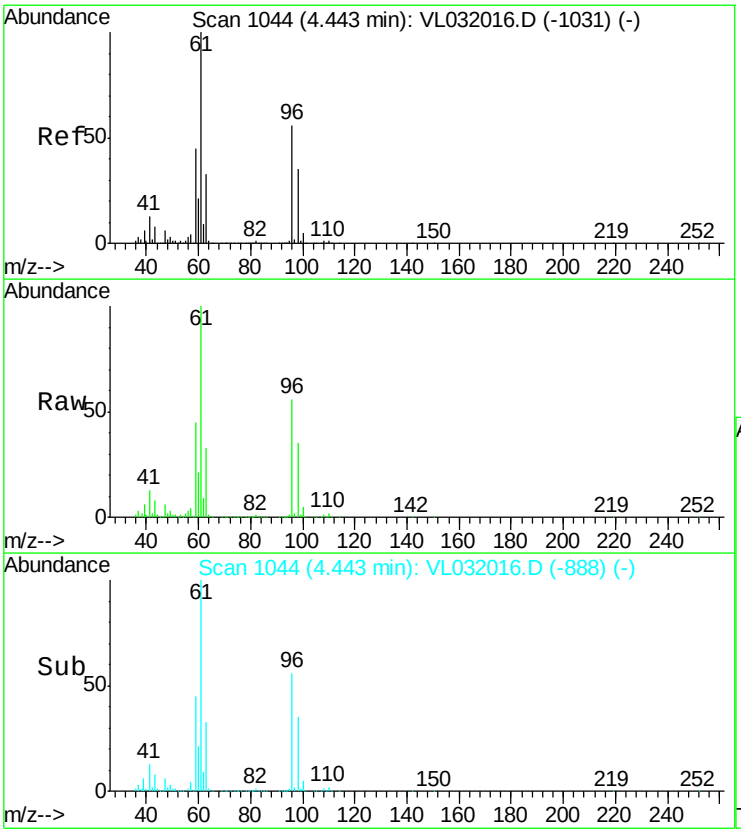
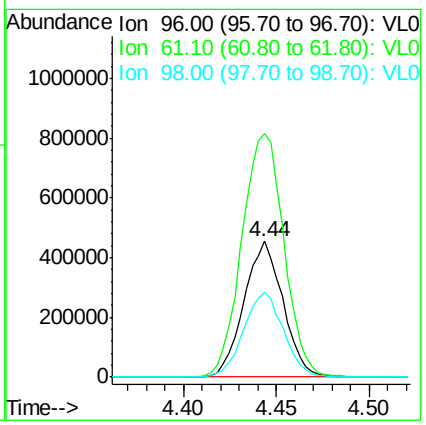
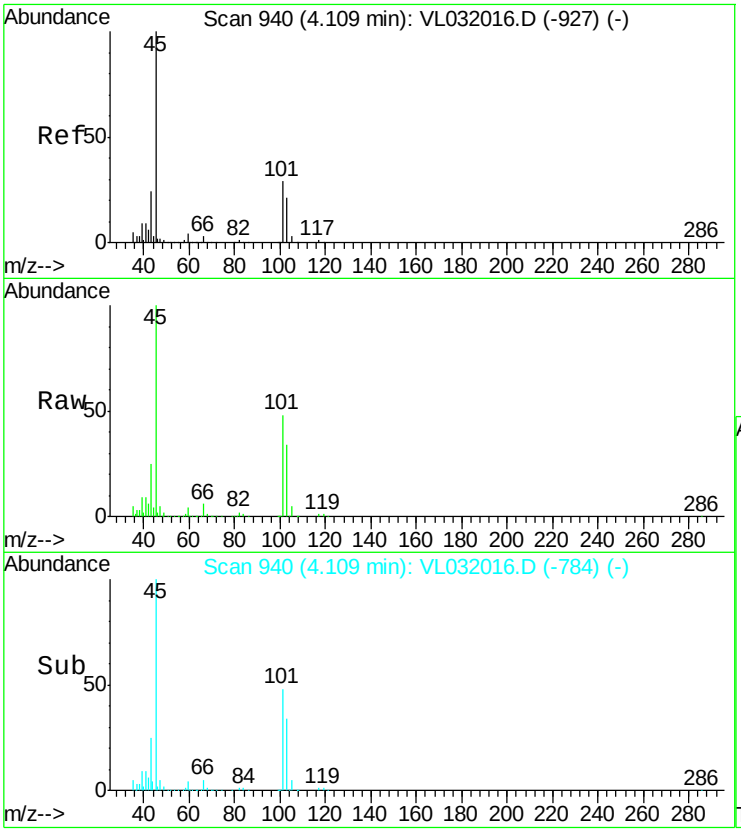


#18
1,1-Dichloroethene
Concen: 9.74 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 96 Resp: 665662

Ion	Ratio	Lower	Upper
96	100		
61	179.4	143.5	215.3
98	62.5	50.0	75.0

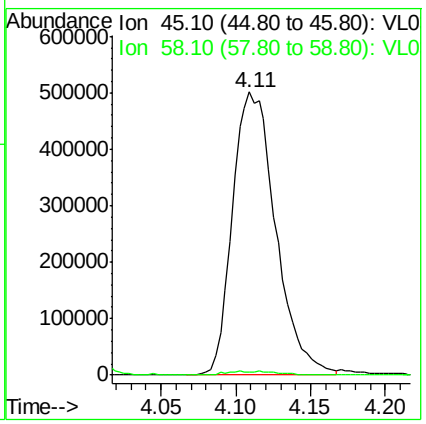




#19
Isopropyl Alcohol
Concen: 9.49 ppbv
RT: 4.11 min Scan# 940
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 45 Resp: 1004680

Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.5	2.3



Instrument :
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ClientSampleId :
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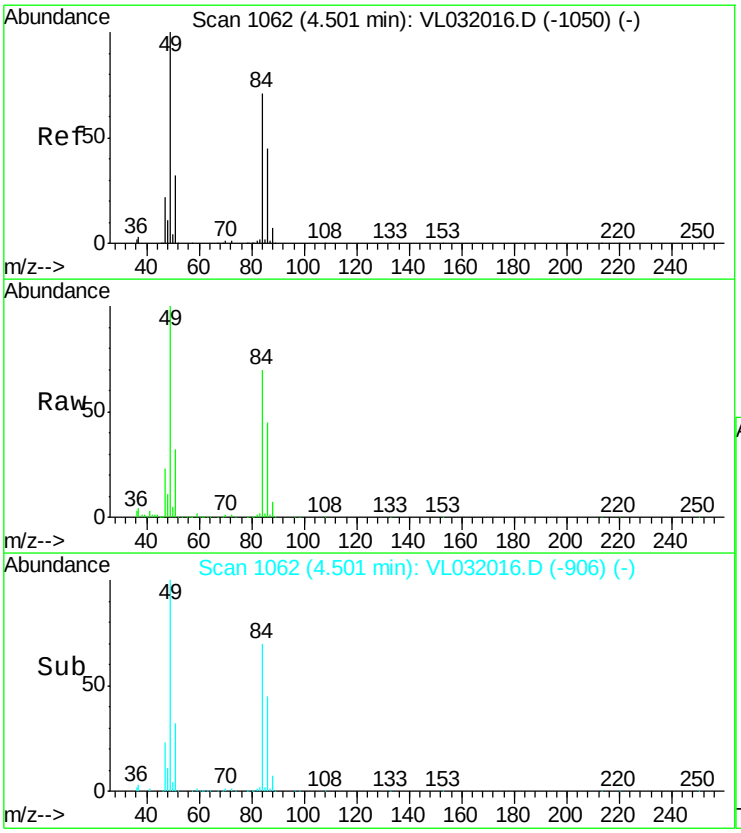
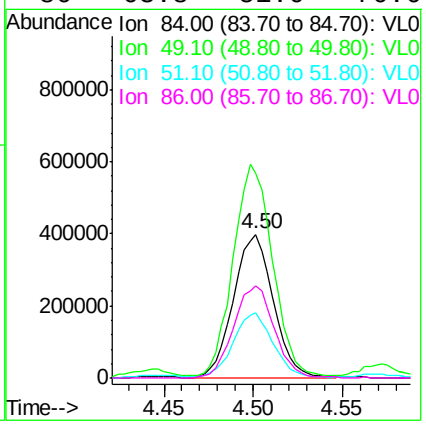
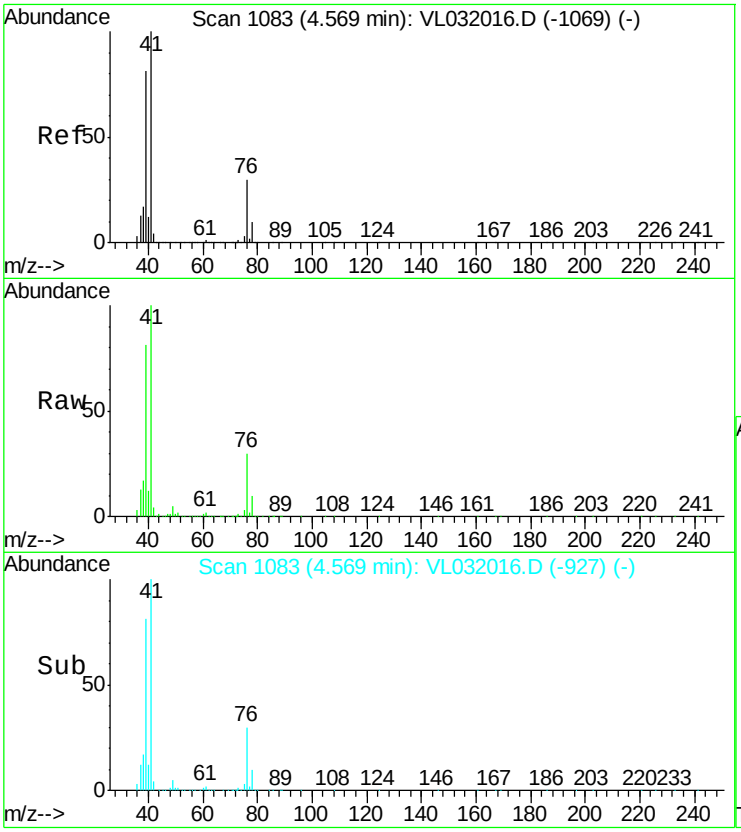


#20
Methylene Chloride
Concen: 9.48 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 84 Resp: 622597

Ion	Ratio	Lower	Upper
84	100		
49	141.2	113.0	169.4
51	45.5	36.4	54.6
86	63.8	51.0	76.6

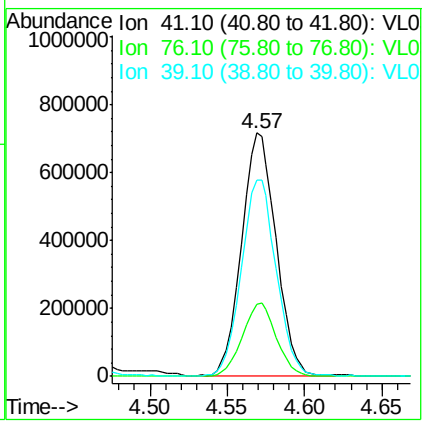




#21
Allvl Chloride
Concen: 10.02 ppbv
RT: 4.57 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 41 Resp: 1107898

Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.9	35.9
39	82.1	65.9	98.9



Instrument :
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ClientSampleId :
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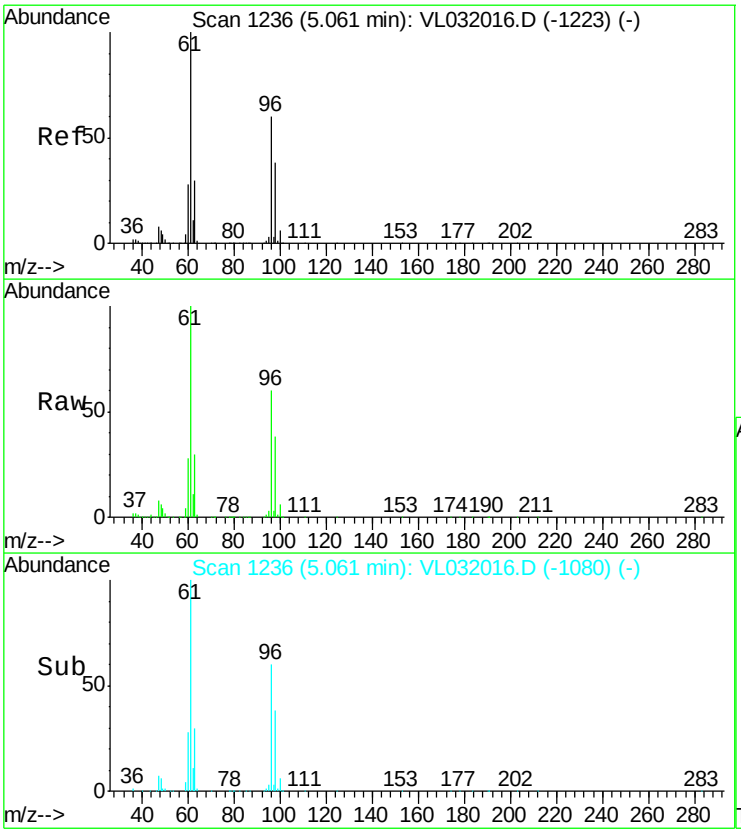
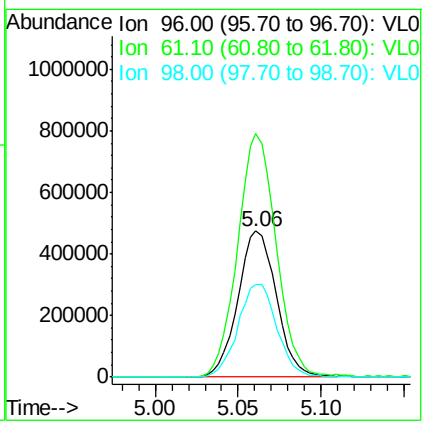
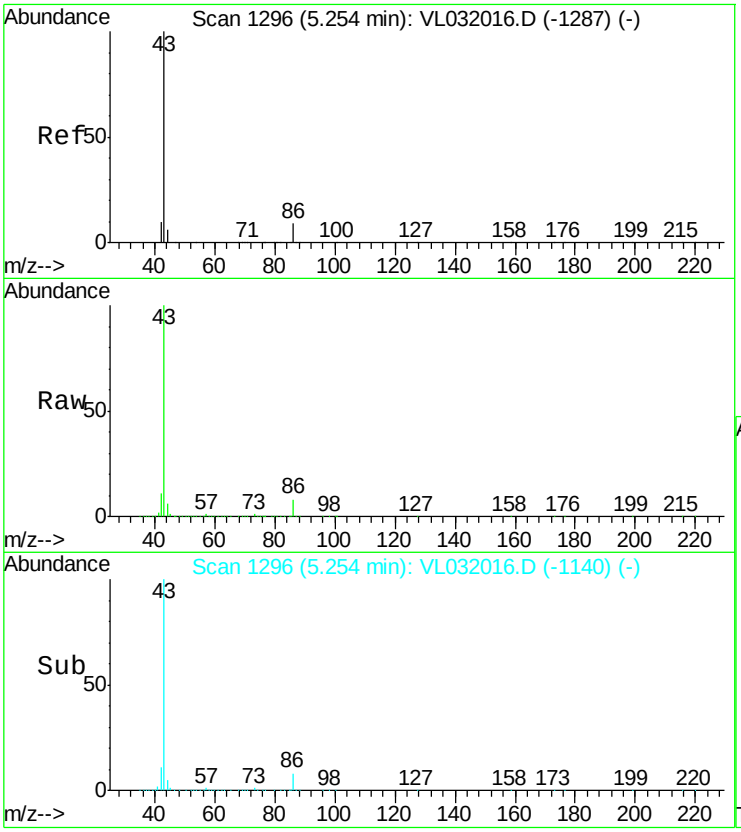


#22
trans-1,2-Dichloroethene
Concen: 10.11 ppbv
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 96 Resp: 768752

Ion	Ratio	Lower	Upper
96	100		
61	166.6	133.3	199.9
98	63.7	51.0	76.4

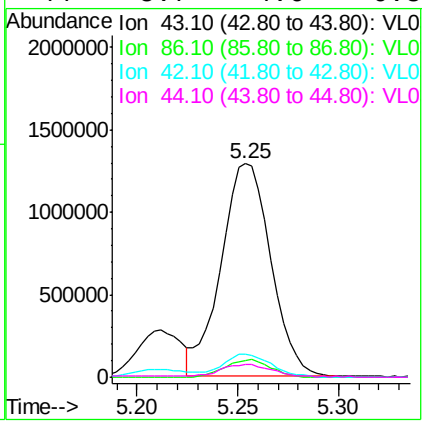




#23
Vinyl Acetate
Concen: 10.10 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 2229105

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	10.9	8.7	13.1
44	5.7	4.6	6.8



Instrument :
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ClientSampleId :
VSTDICCC010

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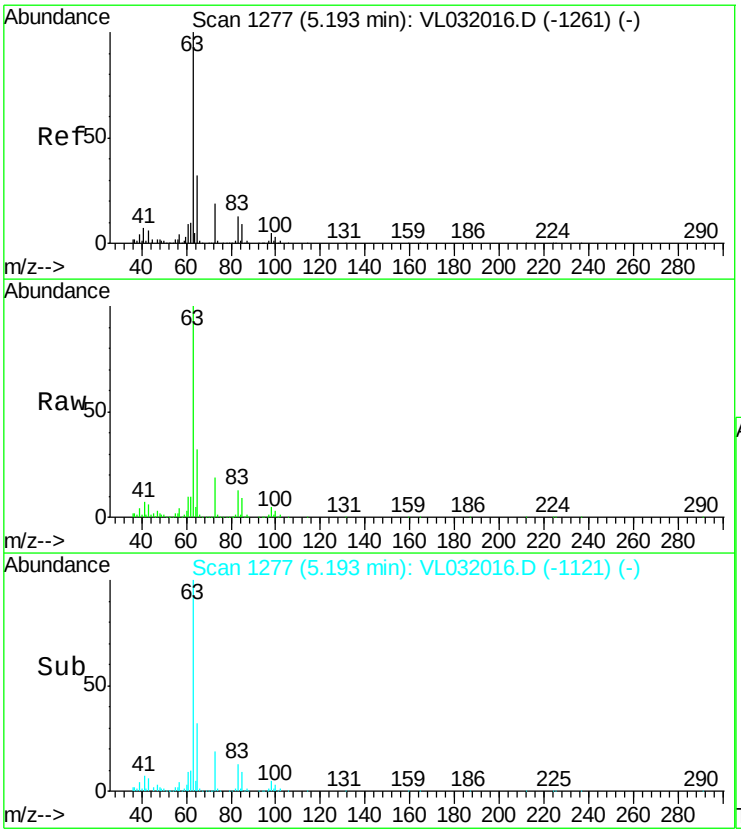
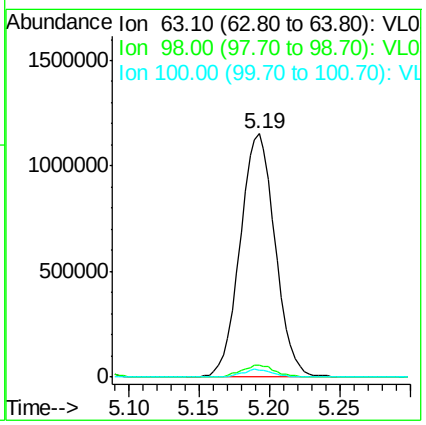
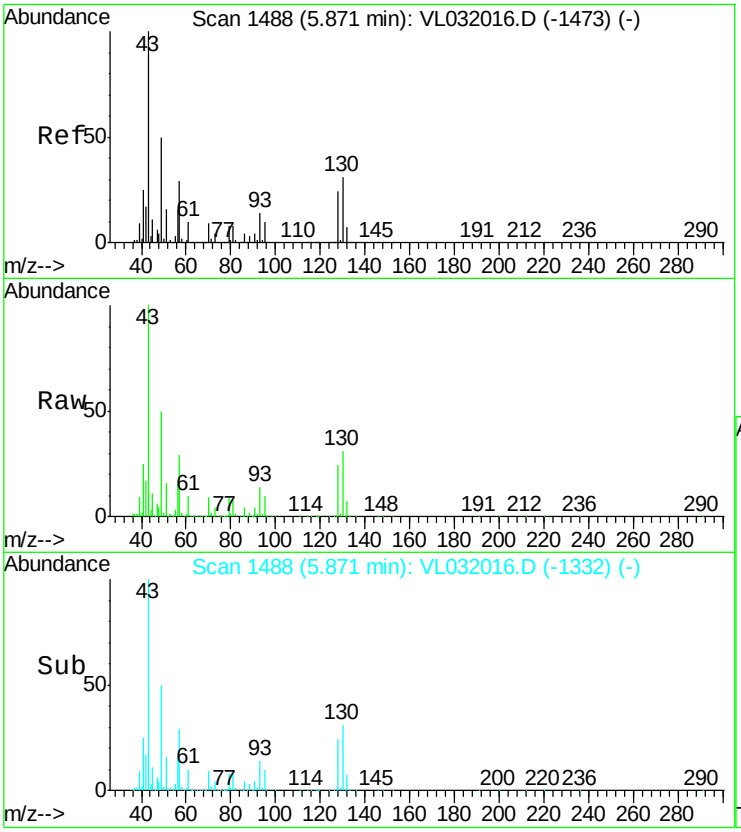


#24
1,1-Dichloroethane
Concen: 9.62 ppbv
RT: 5.19 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 63 Resp: 2002653

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	3.0	1.5	4.5

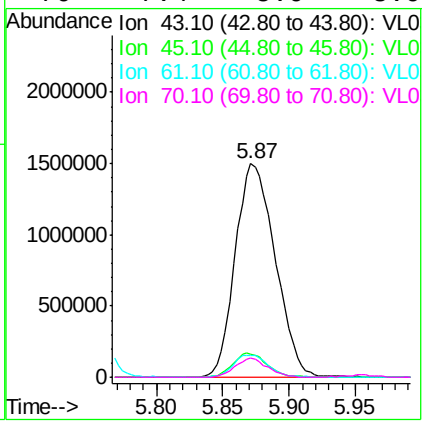




#25
Ethyl Acetate
Concen: 9.49 ppbv
RT: 5.87 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 3136926

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.4	7.4	11.2
70	7.4	5.9	8.9



Instrument :
MSVOA_L
ClientSampleId :
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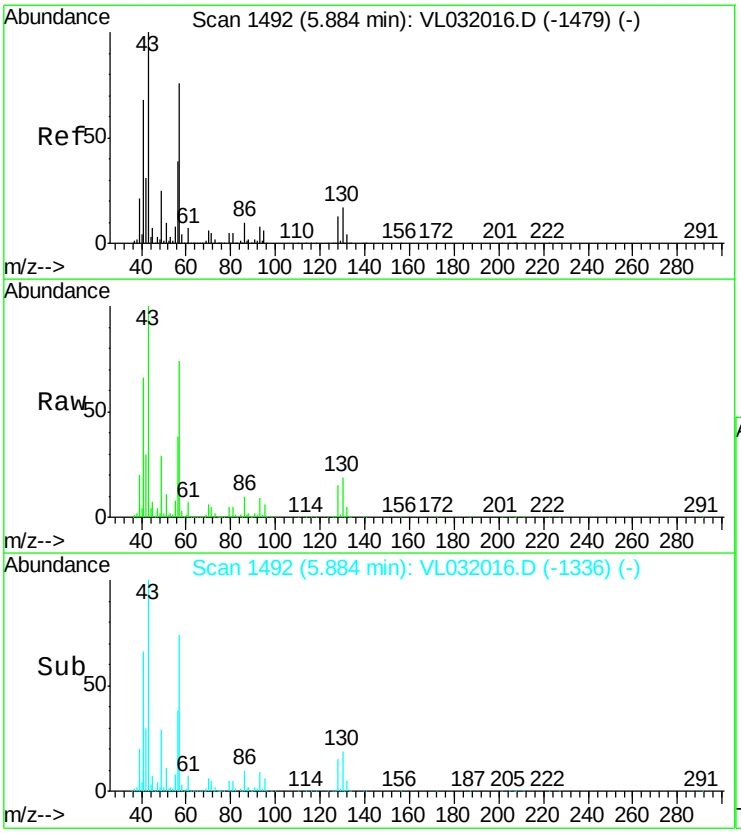
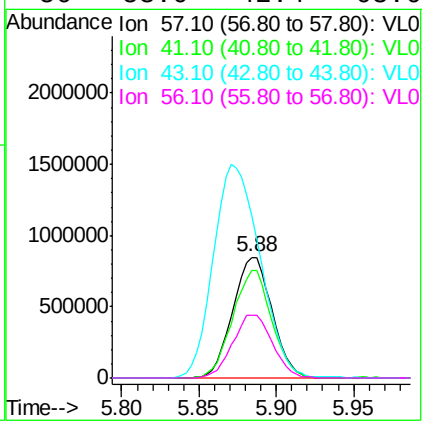
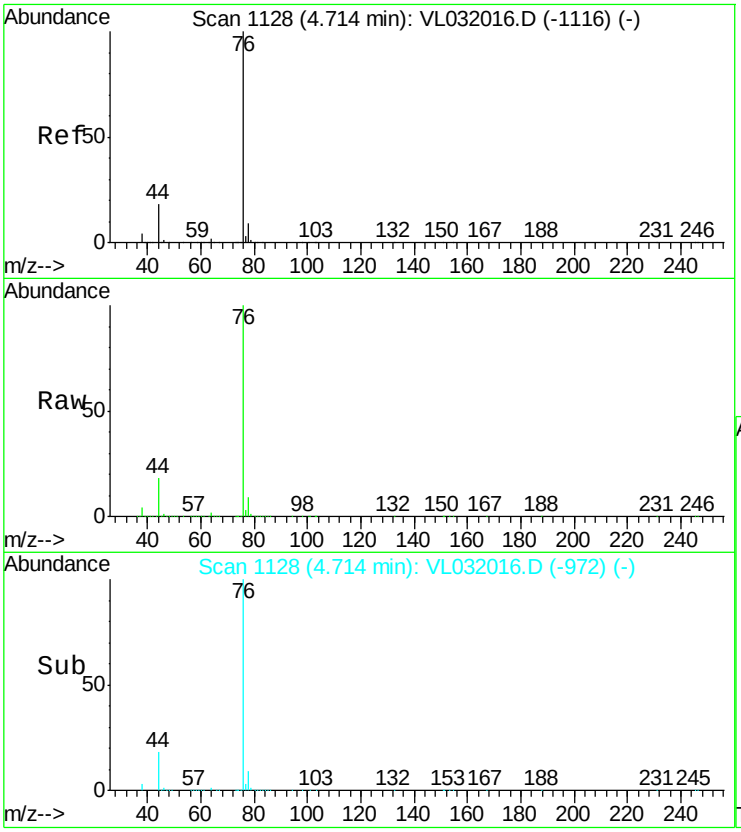


#26
Hexane
Concen: 9.58 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 57 Resp: 1494043

Ion	Ratio	Lower	Upper
57	100		
41	89.5	71.4	107.2
43	210.6	168.6	252.8
56	53.0	42.4	63.6

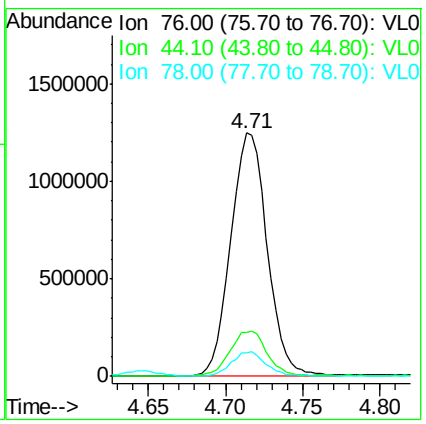




#27
Carbon Disulfide
Concen: 11.41 ppbv
RT: 4.71 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 76 Resp: 2046967

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.9	22.3
78	9.5	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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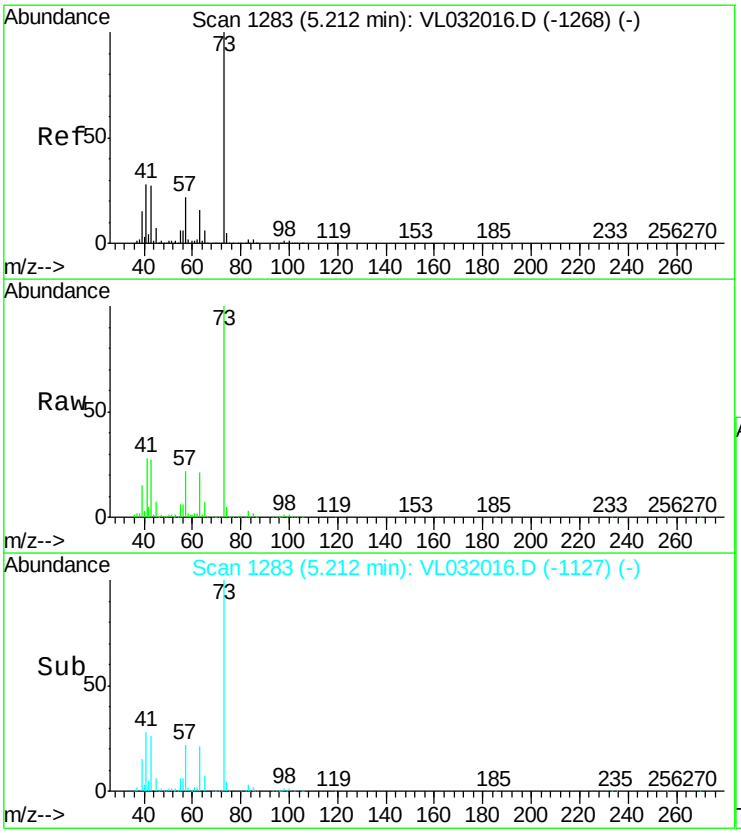
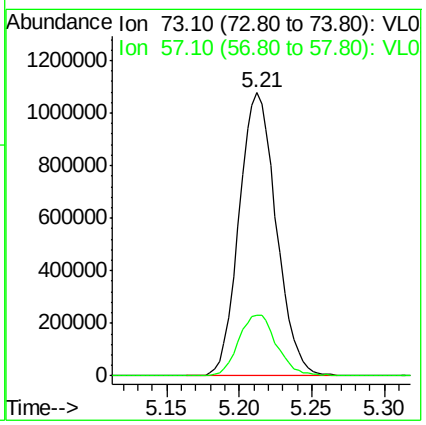
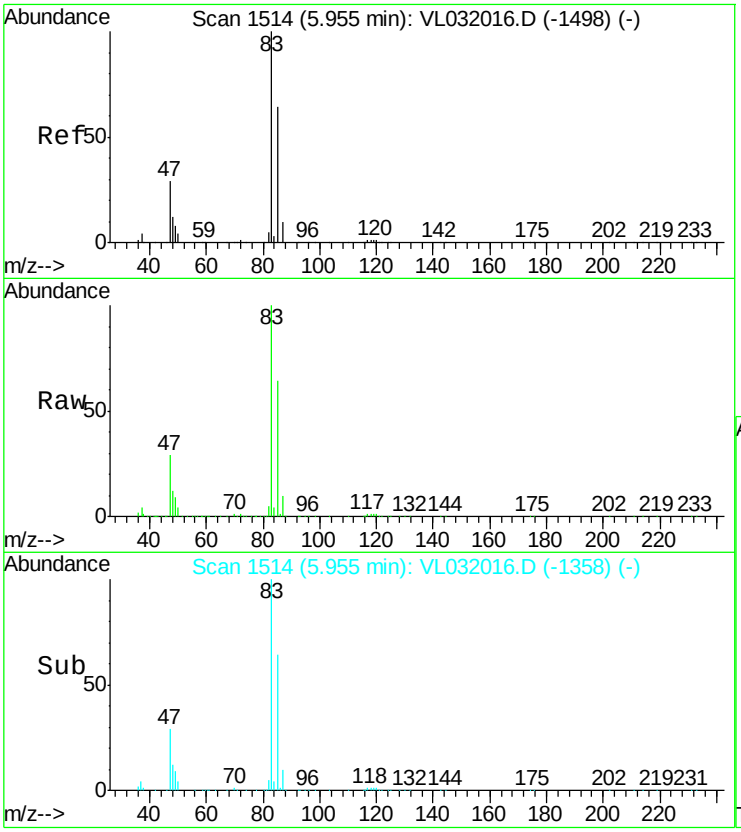


#28
Methyl tert-Butyl Ether
Concen: 10.01 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 73 Resp: 1918288

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.8

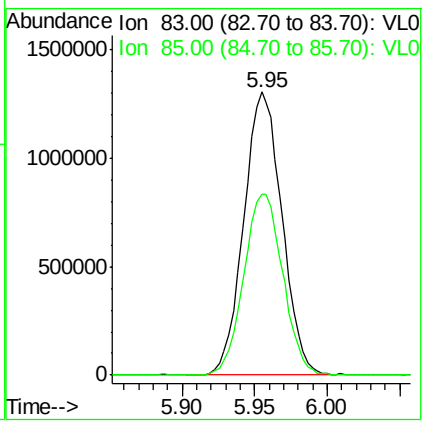




#29
Chloroform
Concen: 9.61 ppbv
RT: 5.95 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 83 Resp: 2392304

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3



Instrument :
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ClientSampleId :
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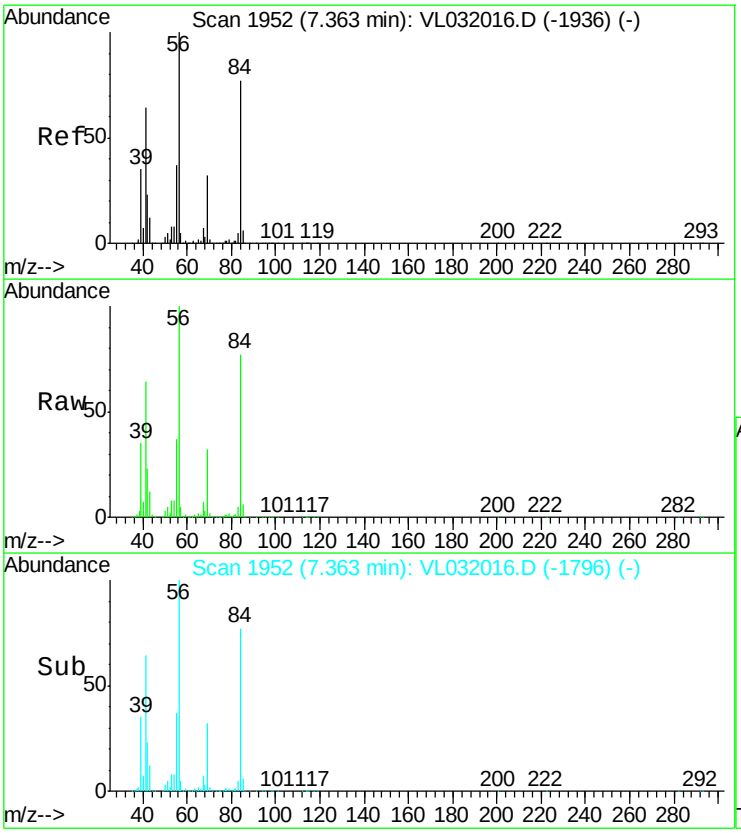
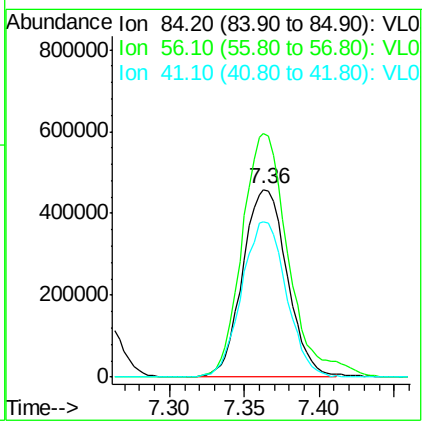
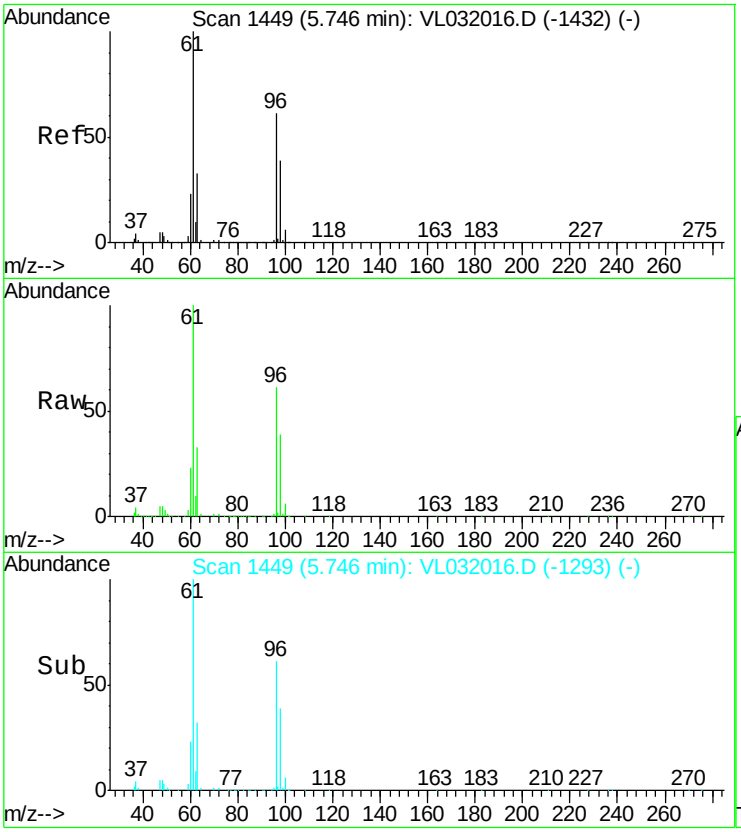


#30
Cyclohexane
Concen: 9.19 ppbv
RT: 7.36 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 84 Resp: 946036

Ion	Ratio	Lower	Upper
84	100		
56	135.8	108.6	162.8
41	83.5	66.8	100.2

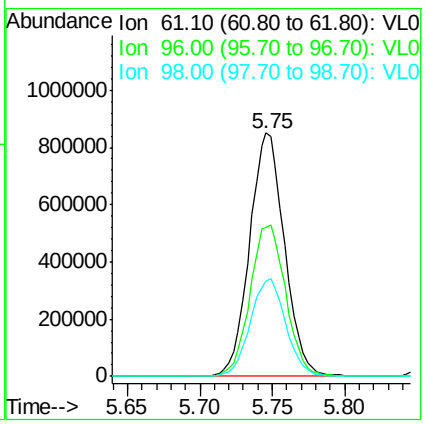




#31
cis-1,2-Dichloroethene
Concen: 9.98 ppbv
RT: 5.75 min Scan# 1449
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 61 Resp: 1427910

Ion	Ratio	Lower	Upper
61	100		
96	61.3	49.0	73.6
98	39.0	31.2	46.8



Instrument :
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ClientSampleId :
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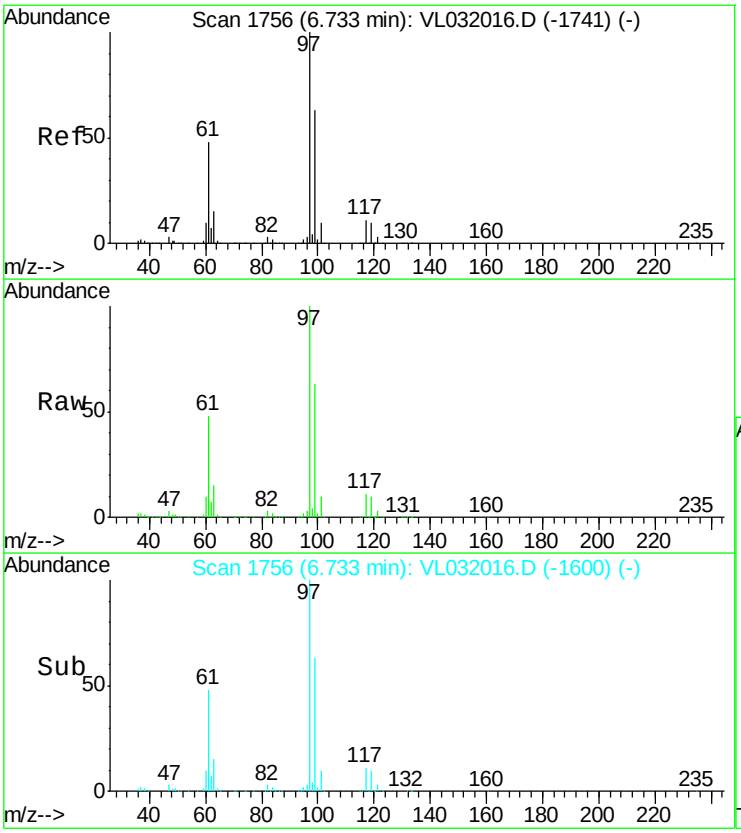
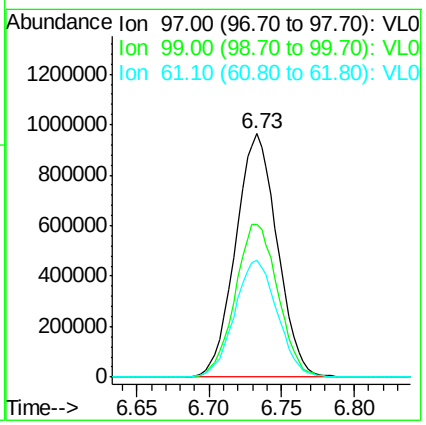
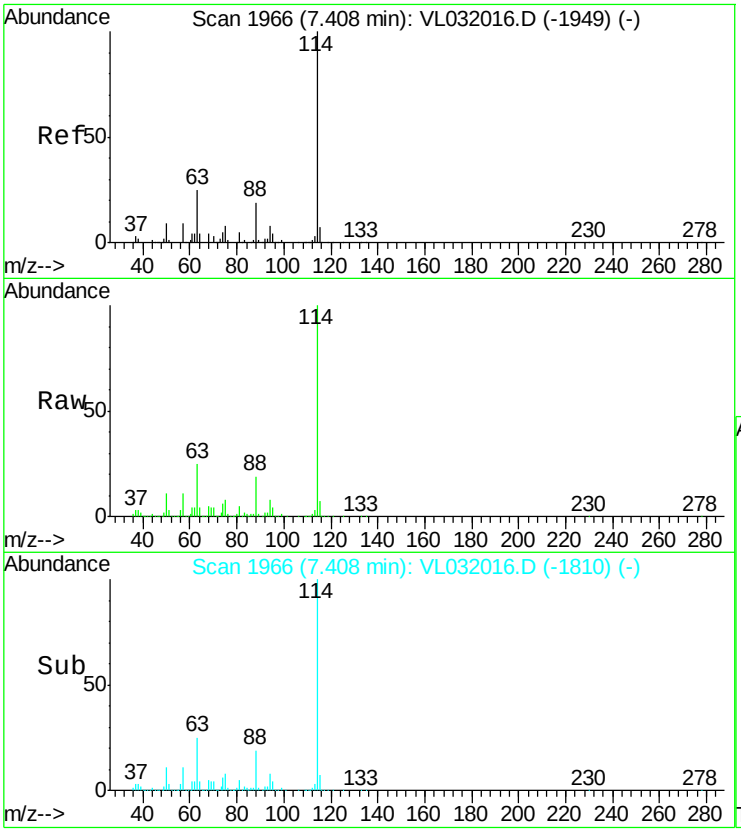


#32
1,1,1-Trichloroethane
Concen: 8.50 ppbv
RT: 6.73 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 97 Resp: 1922814

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.3	39.4	59.2

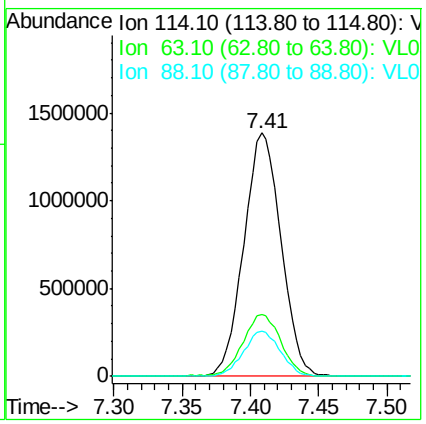




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:114 Resp: 2627431

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.5	14.8	22.2



Instrument :
MSVOA_L
ClientSampleId :
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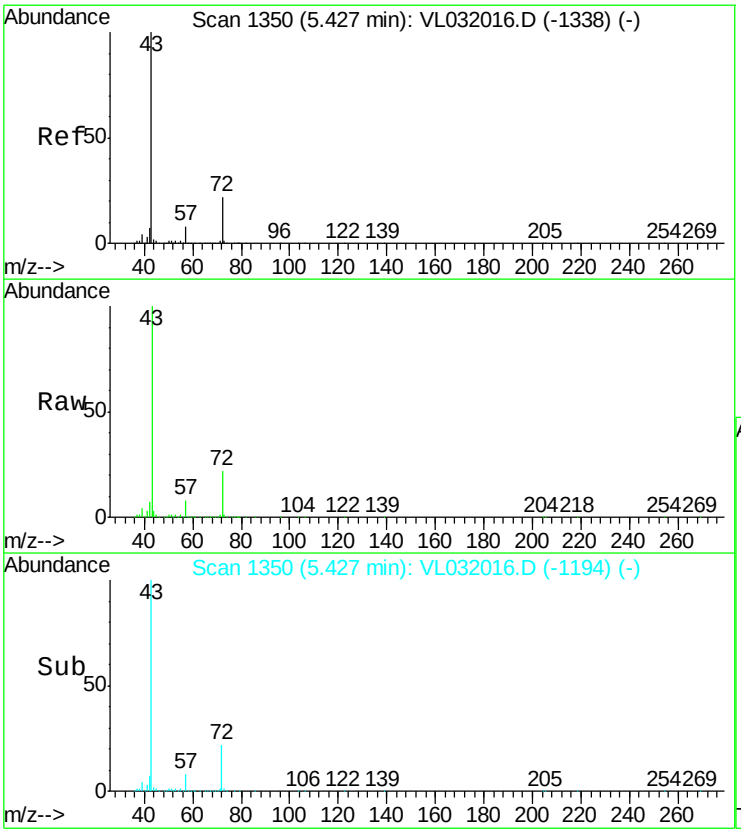
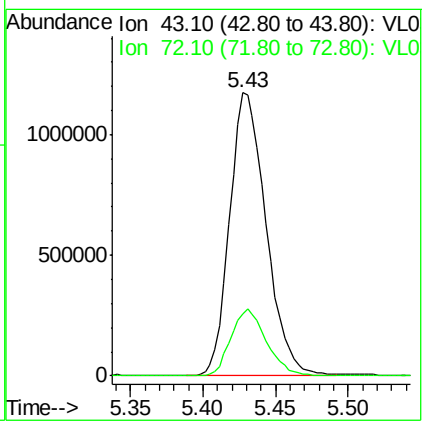
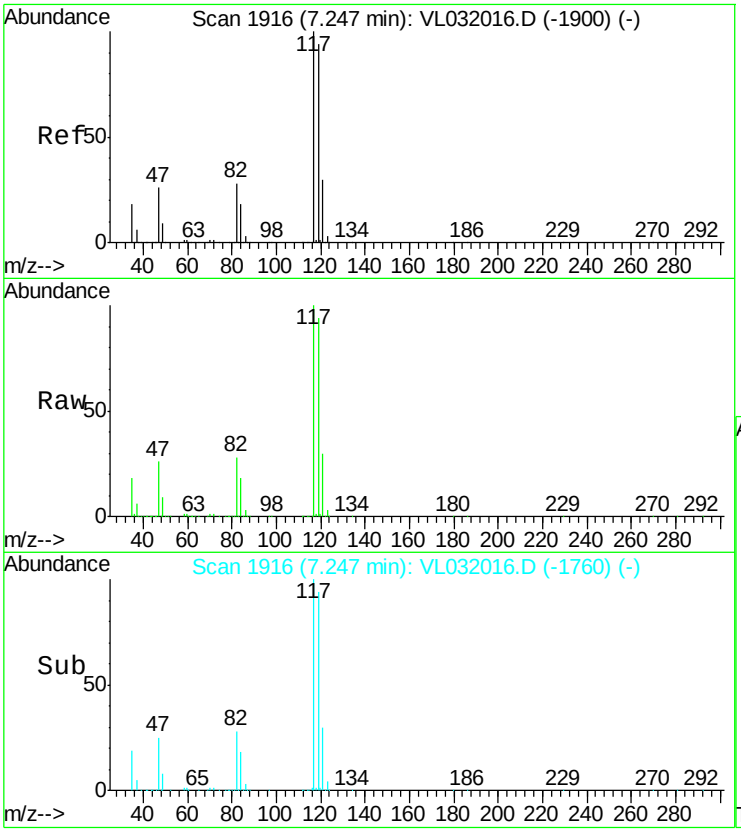


#34
2-Butanone
Concen: 9.41 ppbv
RT: 5.43 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 2043263

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.6	27.8

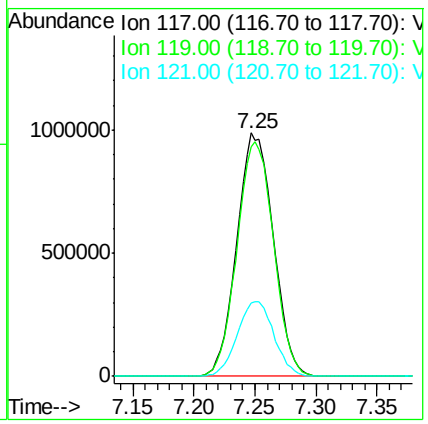




#35
Carbon Tetrachloride
Concen: 9.73 ppbv
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:117 Resp: 2049324

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.1	24.1	36.1



Instrument :
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ClientSampleId :
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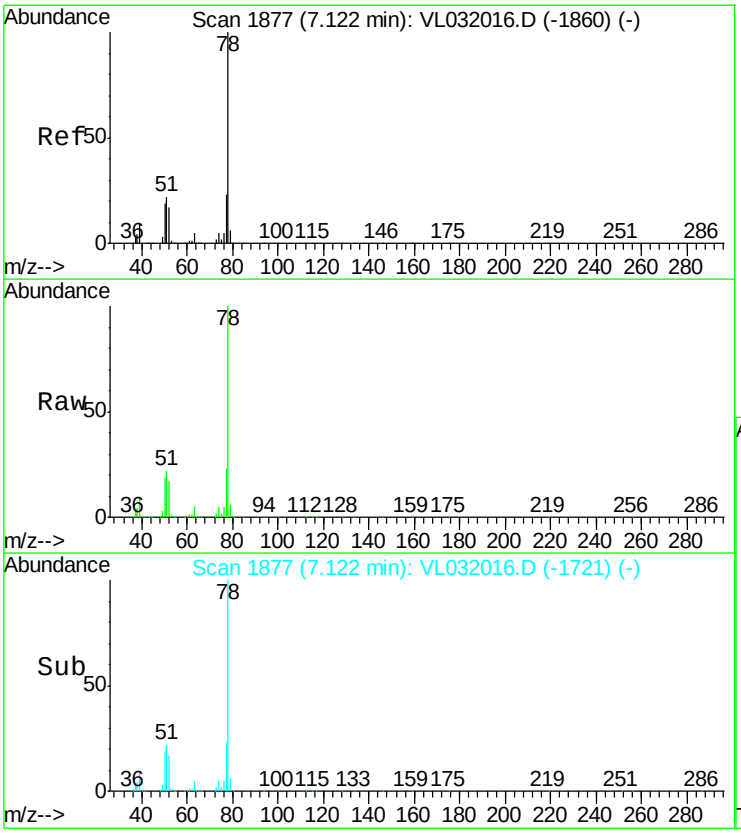
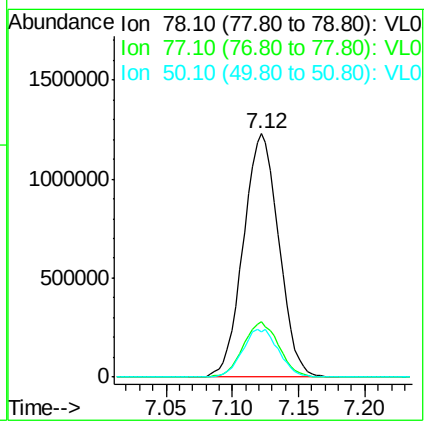
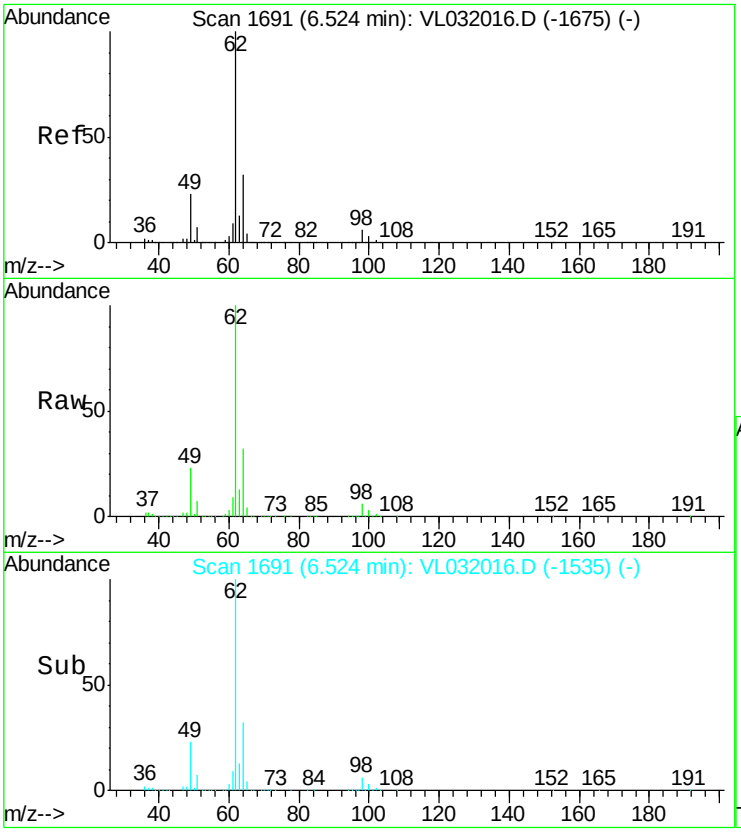


#36
Benzene
Concen: 9.30 ppbv
RT: 7.12 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 78 Resp: 2295361

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1
50	18.6	14.9	22.3

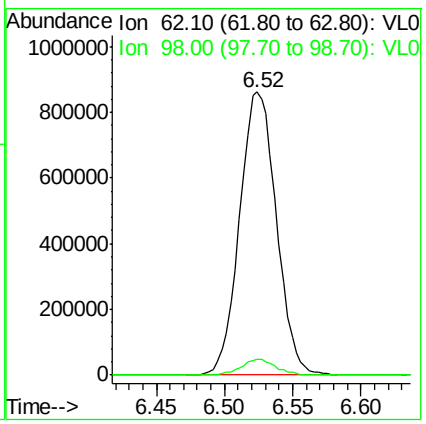




#37
1,2-Dichloroethane
Concen: 9.24 ppbv
RT: 6.52 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 62 Resp: 1613000

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.2	6.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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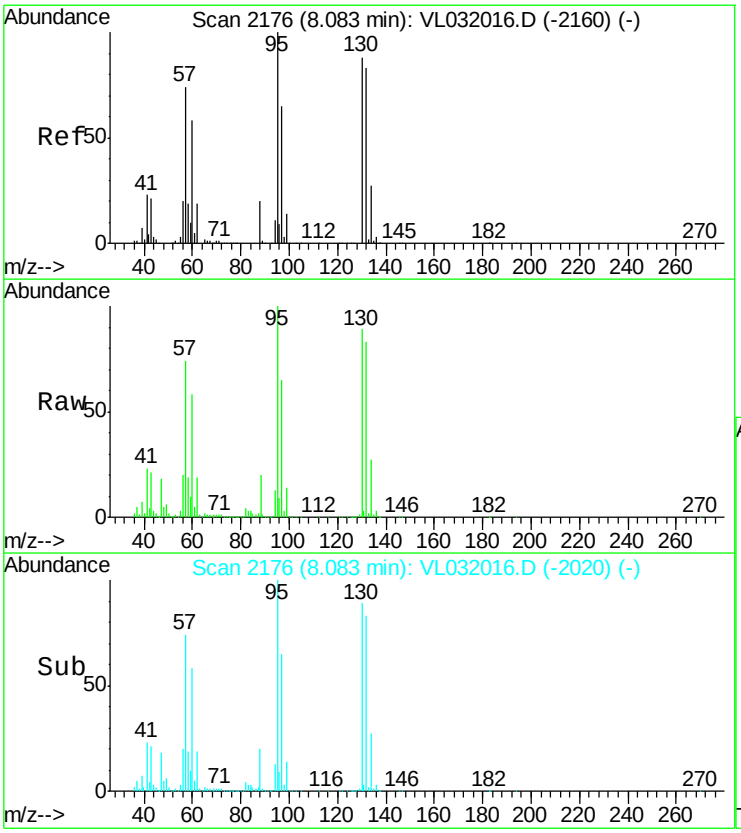
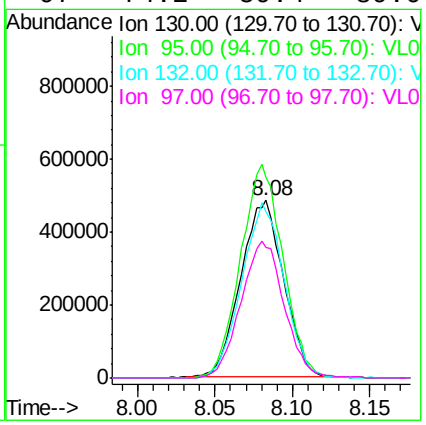
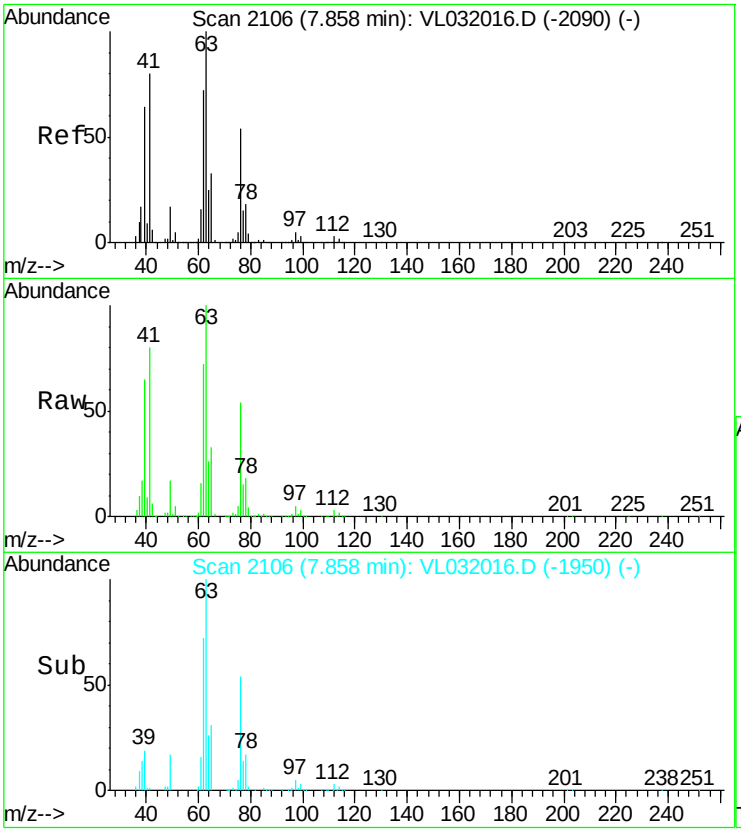


#38
Trichloroethene
Concen: 9.95 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:130 Resp: 938784

Ion	Ratio	Lower	Upper
130	100		
95	113.4	90.7	136.1
132	94.5	75.6	113.4
97	74.2	59.4	89.0

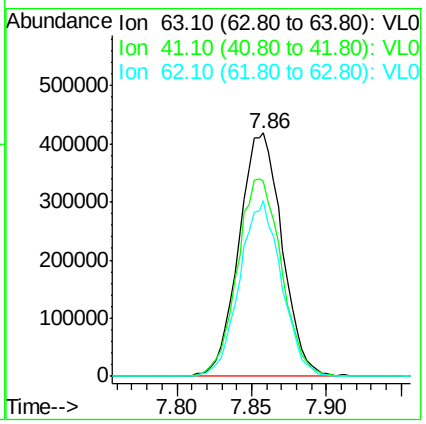




#39
1,2-Dichloropropane
Concen: 9.68 ppbv
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 63 Resp: 835790

Ion	Ratio	Lower	Upper
63	100		
41	80.0	64.0	96.0
62	72.0	57.6	86.4



Instrument :
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ClientSampleId :
VSTDICCC010

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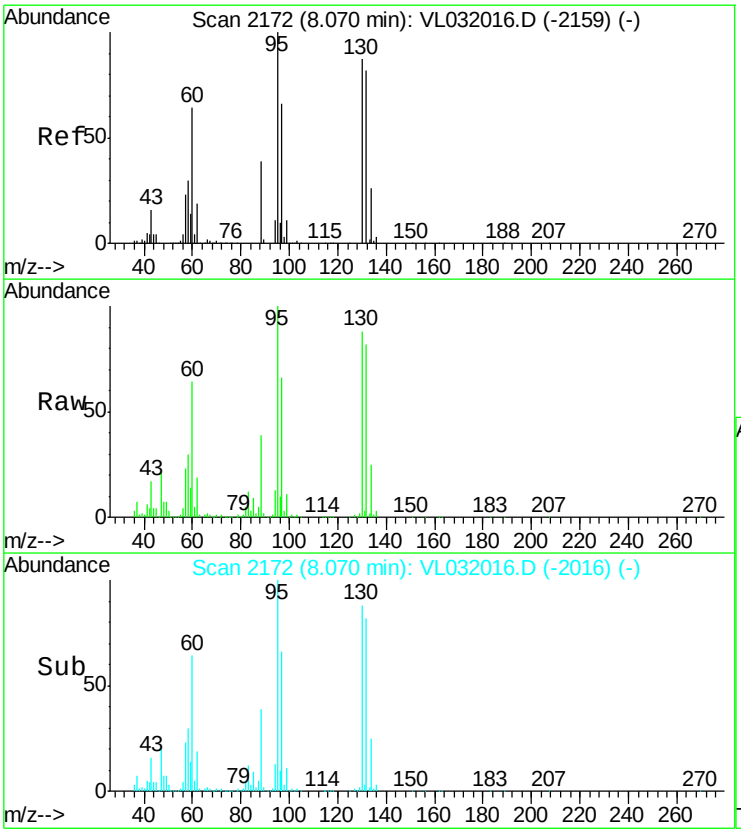
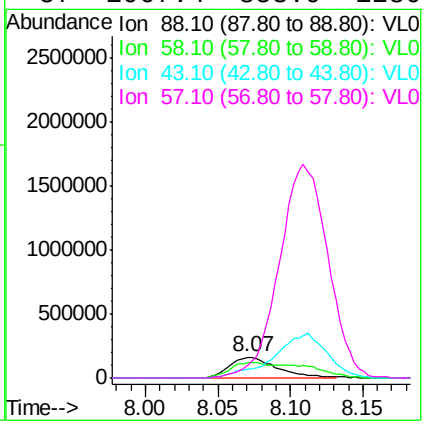
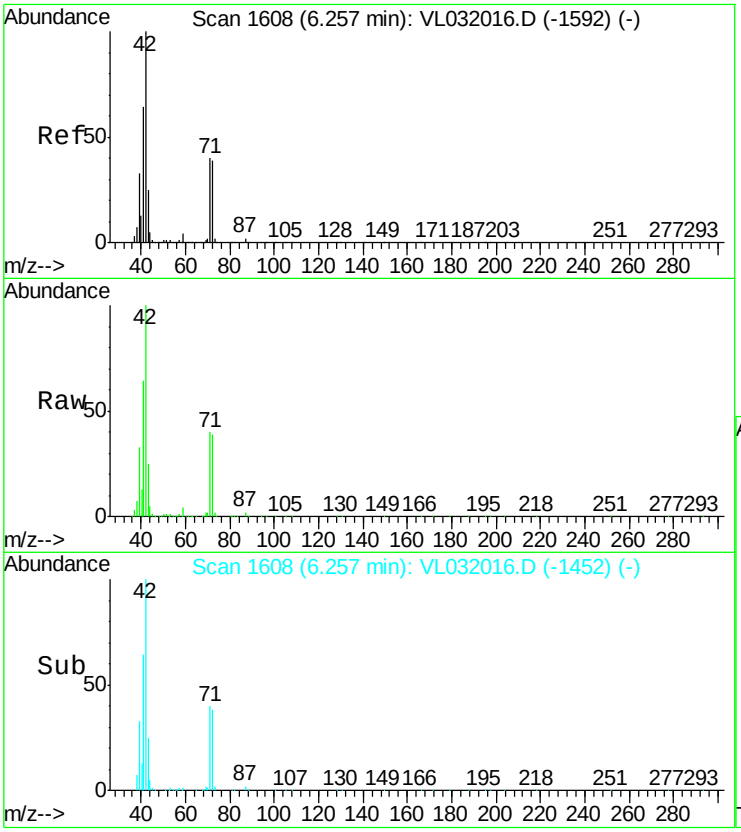


#40
1,4-Dioxane
Concen: 9.47 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 88 Resp: 366849

Ion	Ratio	Lower	Upper
88	100		
58	125.6	100.5	150.7
43	242.2	193.8	290.6
57	1067.4	853.9	1280.9

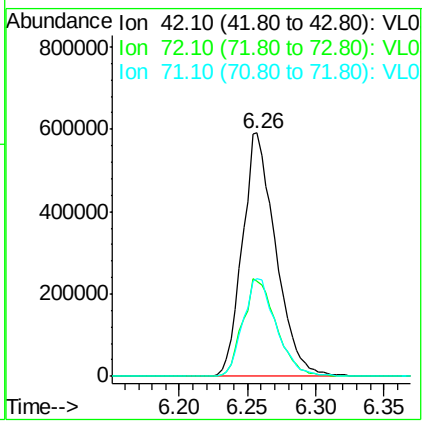




#41
Tetrahydrofuran
Concen: 10.68 ppbv
RT: 6.26 min Scan# 1608
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 42 Resp: 1000705

Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	40.2	32.3	48.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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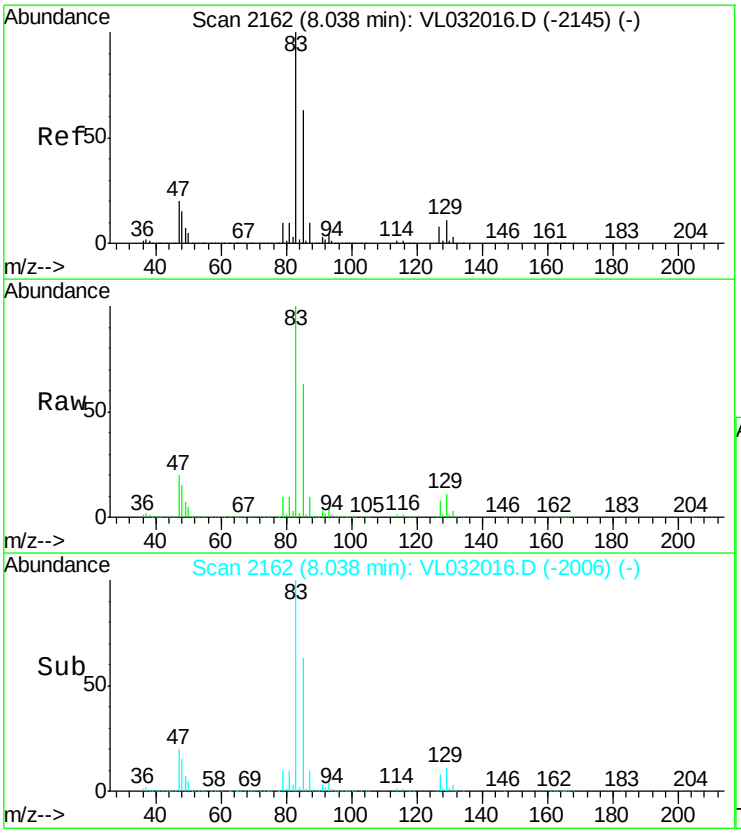
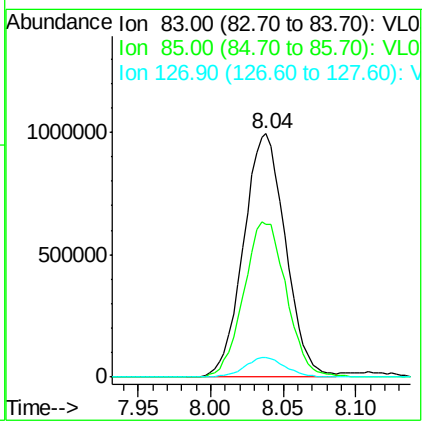
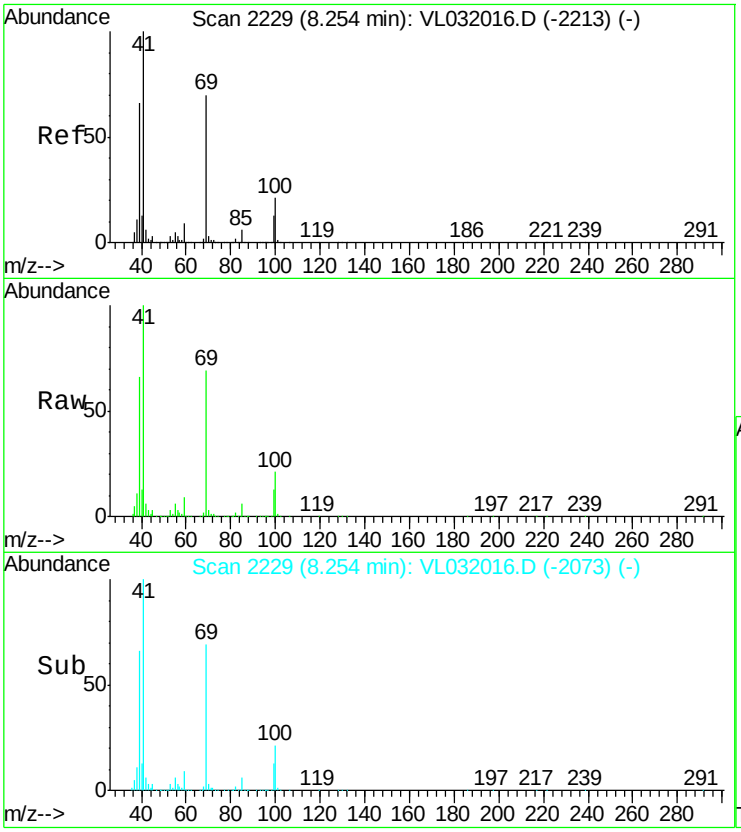


#42
Bromodichloromethane
Concen: 10.00 ppbv
RT: 8.04 min Scan# 2162
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 83 Resp: 2001709

Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5
127	8.2	6.6	9.8

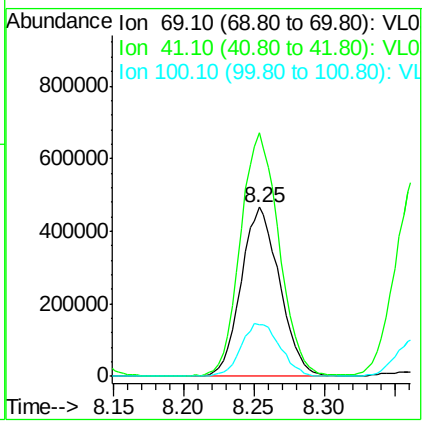




#43
Methyl Methacrylate
Concen: 10.57 ppbv
RT: 8.25 min Scan# 2229
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 69 Resp: 890355

Ion	Ratio	Lower	Upper
69	100		
41	144.4	115.5	173.3
100	31.7	25.4	38.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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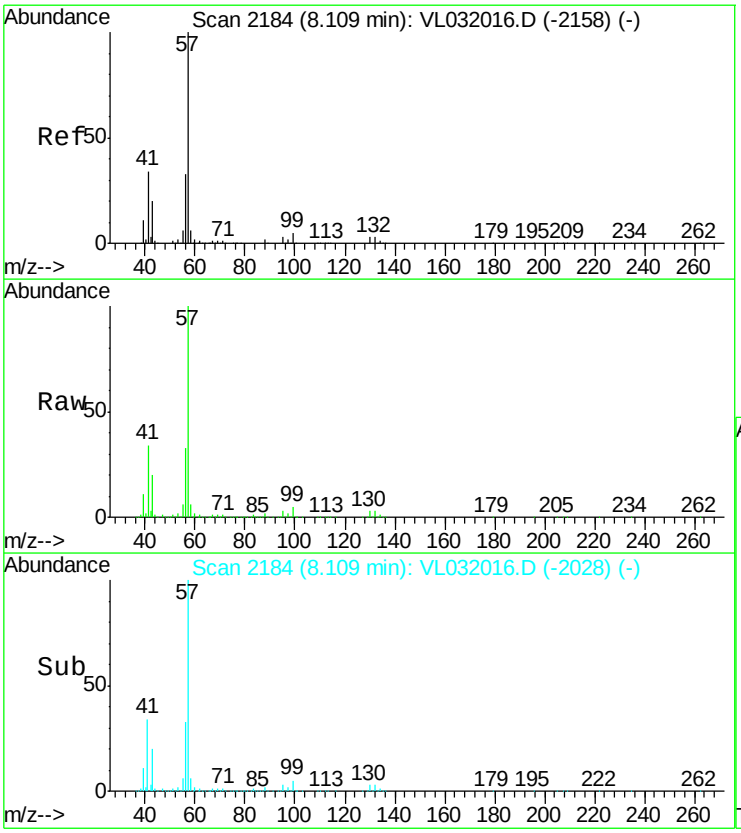
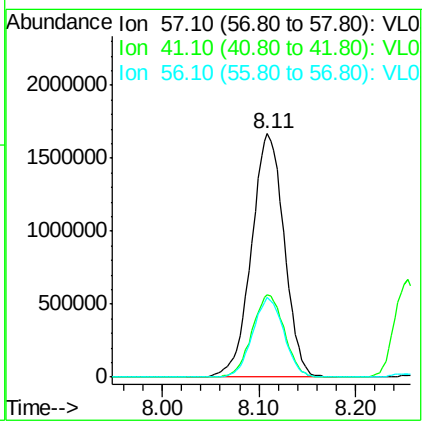
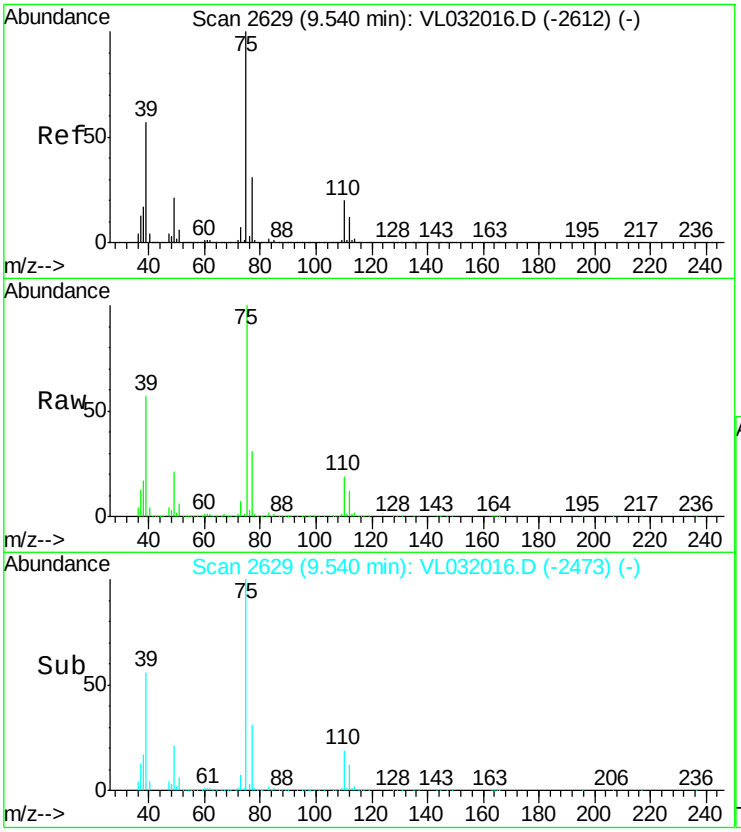


#44
2,2,4-Trimethylpentane
Concen: 9.74 ppbv
RT: 8.11 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 57 Resp: 3911740

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.6	40.0
56	31.1	24.9	37.3

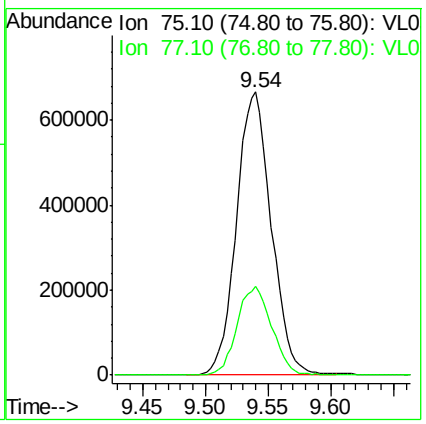




#45
t-1,3-Dichloropropene
Concen: 11.47 ppbv
RT: 9.54 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 75 Resp: 1283493

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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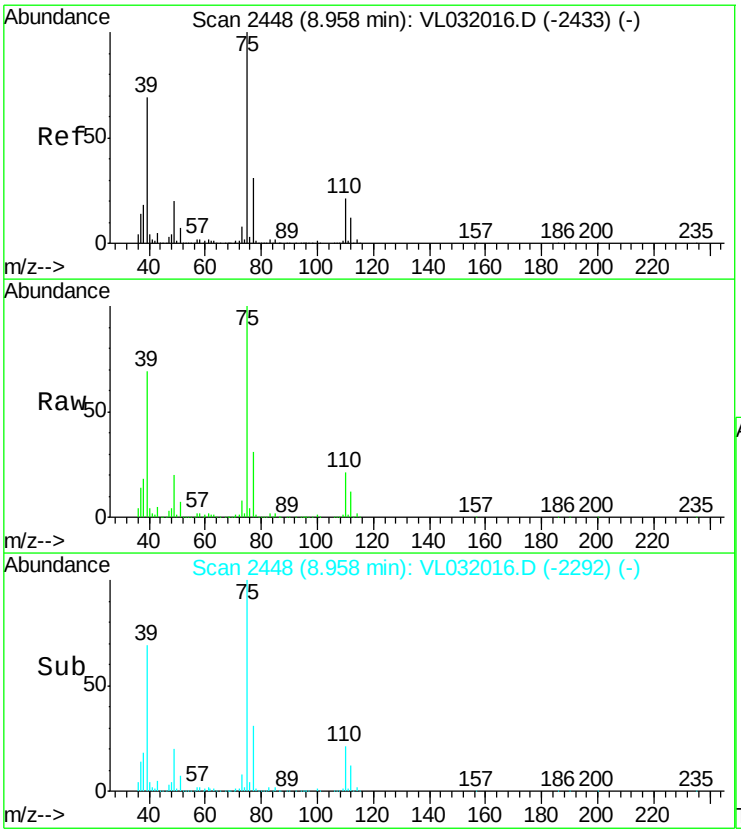
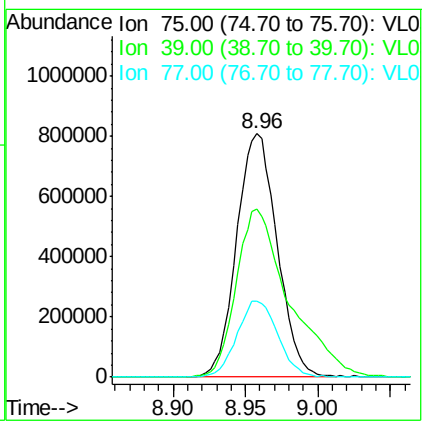
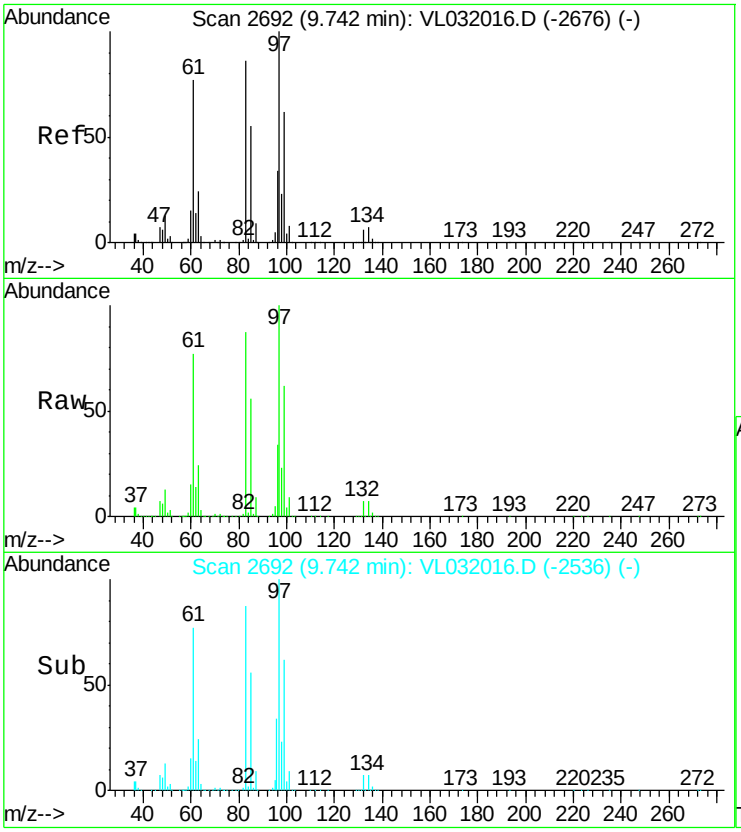


#46
cis-1,3-Dichloropropene
Concen: 11.38 ppbv
RT: 8.96 min Scan# 2448
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 75 Resp: 1569186

Ion	Ratio	Lower	Upper
75	100		
39	68.8	55.0	82.6
77	31.3	25.0	37.6

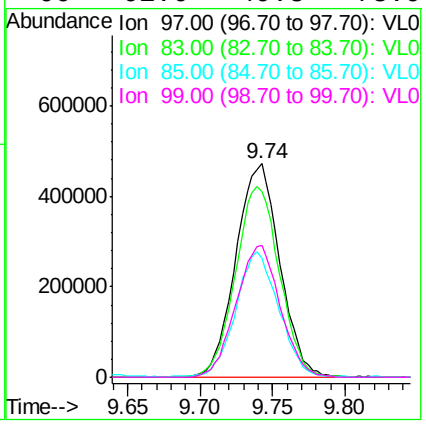




#47
1,1,2-Trichloroethane
Concen: 9.69 ppbv
RT: 9.74 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 97 Resp: 992574

Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.1	103.7
85	55.6	44.5	66.7
99	61.6	49.3	73.9



Instrument :
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ClientSampleId :
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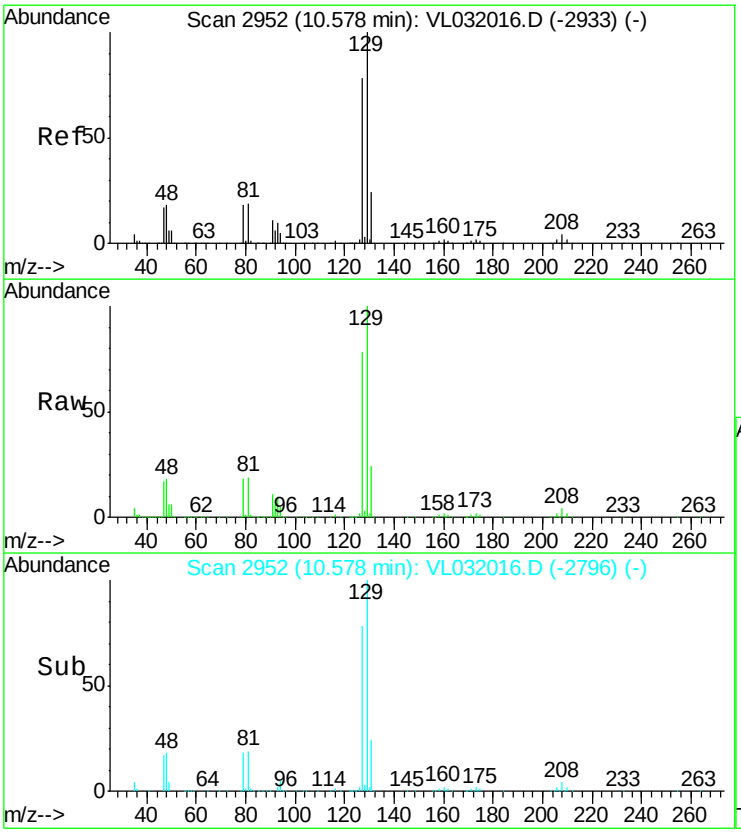
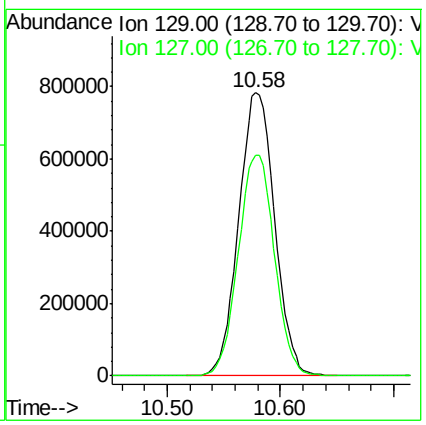
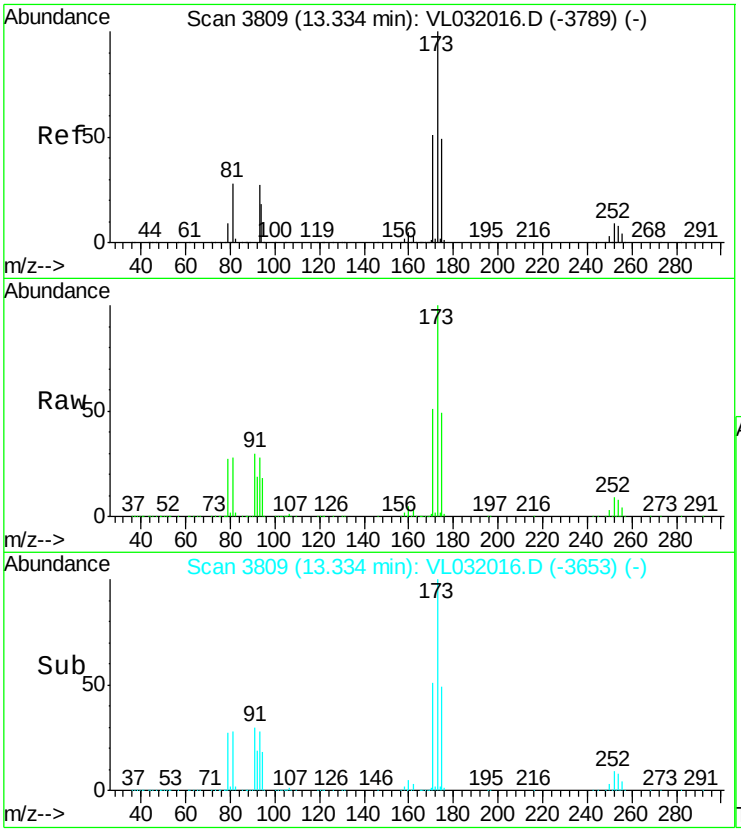


#48
Dibromochloromethane
Concen: 10.50 ppbv
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:129 Resp: 1735716

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9

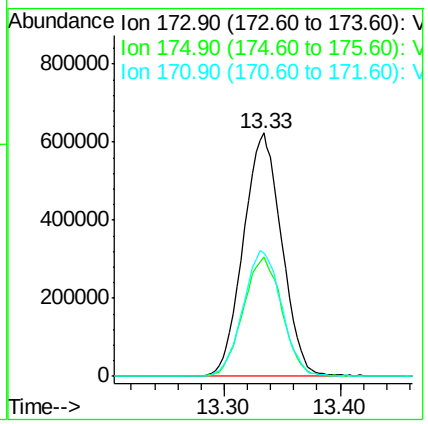




#49
Bromoform
Concen: 11.08 ppbv
RT: 13.33 min Scan# 3809
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:173 Resp: 1436189

Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.8	59.8
171	52.1	41.7	62.5



Instrument :
MSVOA_L
ClientSampleId :
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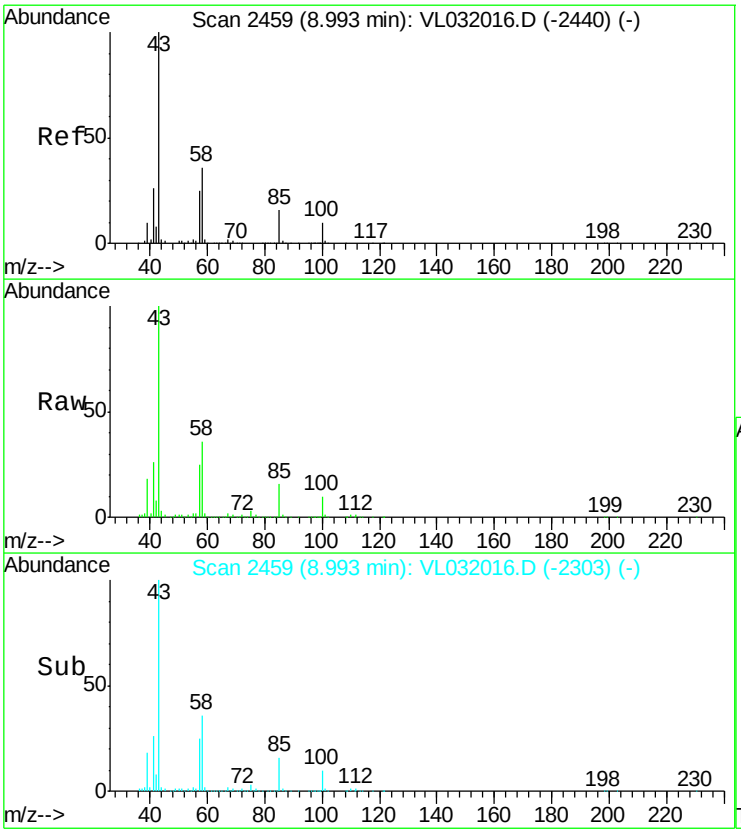
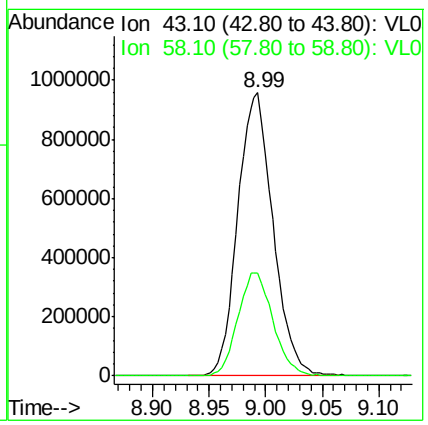
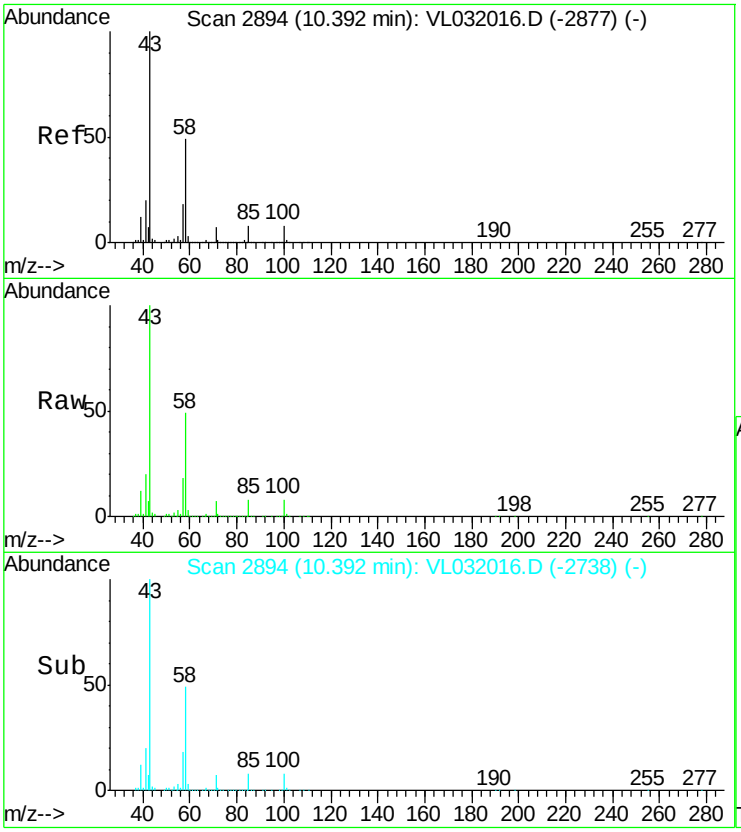


#50
4-Methyl-2-Pentanone
Concen: 10.11 ppbv
RT: 8.99 min Scan# 2459
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 2073559

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

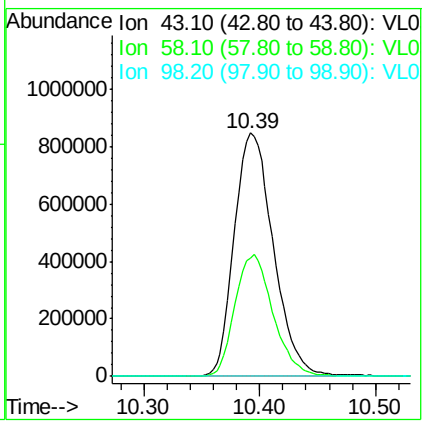




#51
2-Hexanone
Concen: 10.62 ppbv
RT: 10.39 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 43 Resp: 1984406

Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
98	0.5	0.4	0.6



Instrument :
MSVOA_L
ClientSampleId :
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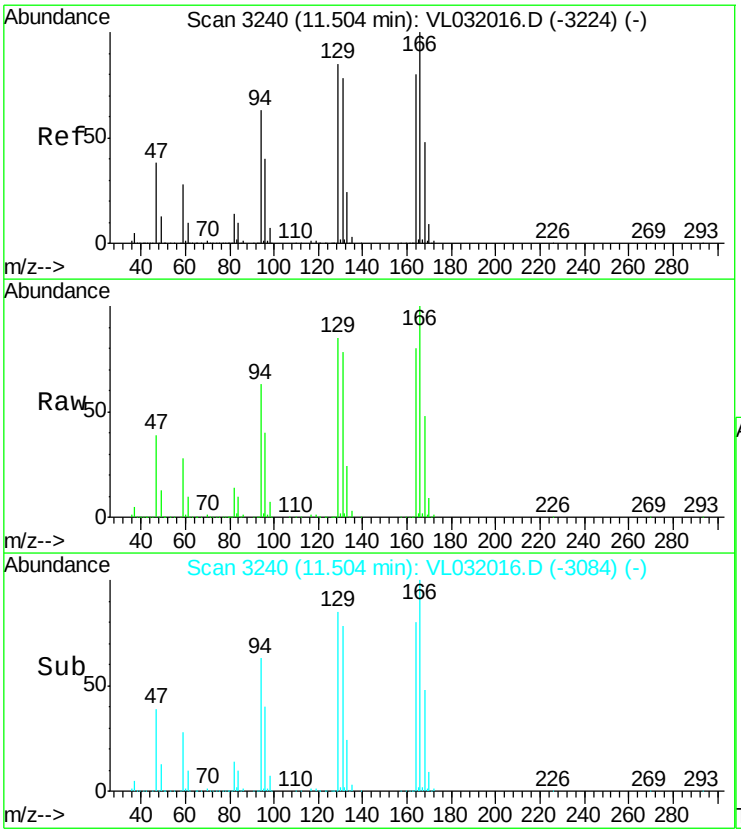
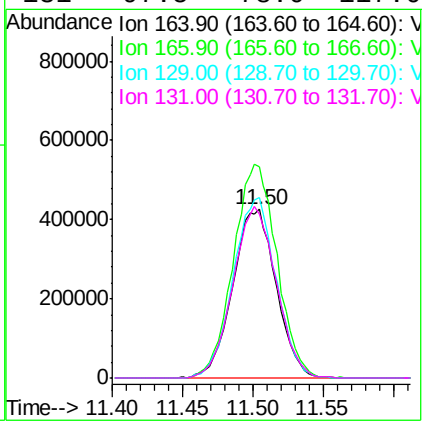
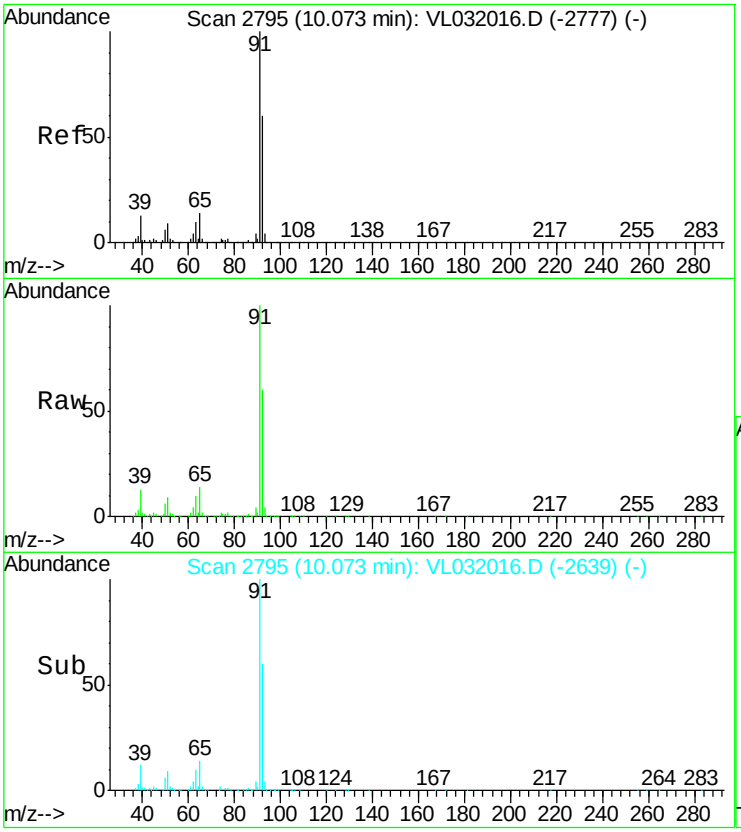


#52
Tetrachloroethene
Concen: 9.92 ppbv
RT: 11.50 min Scan# 3240
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:164 Resp: 911670

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	106.7	85.4	128.0
131	97.5	78.0	117.0





#53
Toluene
Concen: 10.50 ppbv
RT: 10.07 min Scan# 2795
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 2811619

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.2

Instrument :
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ClientSampleId :
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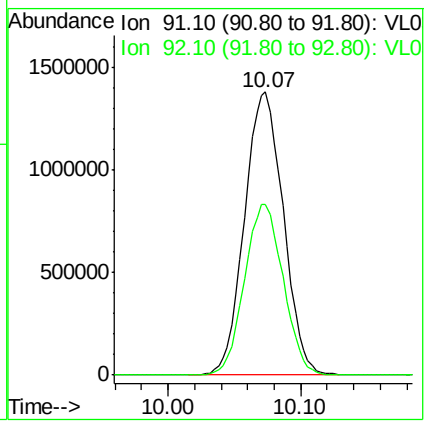
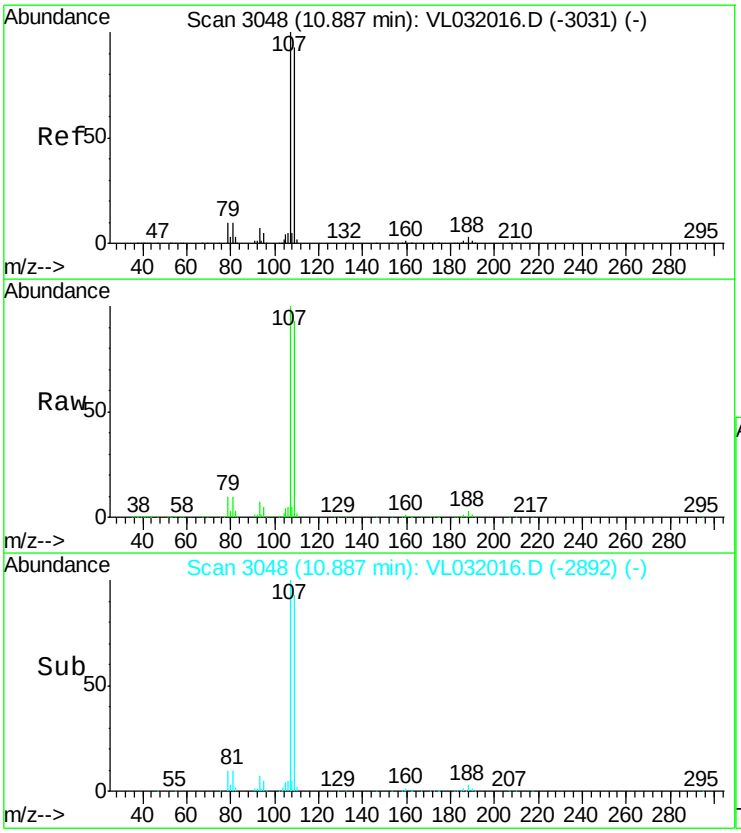
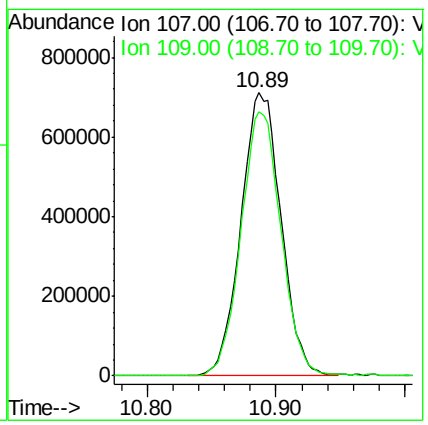


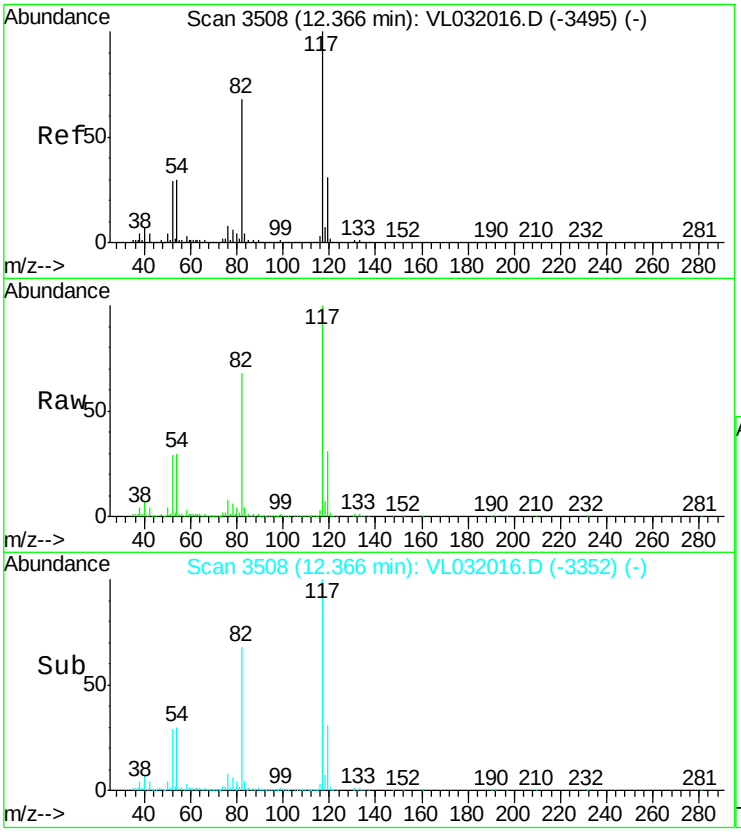


#54
1,2-Dibromoethane
Concen: 10.09 ppbv
RT: 10.89 min Scan# 3048
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:107 Resp: 1537854

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

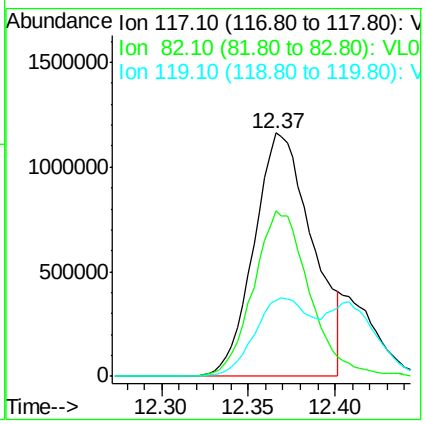




#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.37 min Scan# 3508
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:117 Resp: 2721027

Ion	Ratio	Lower	Upper
117	100		
82	65.6	52.7	79.1
119	29.9	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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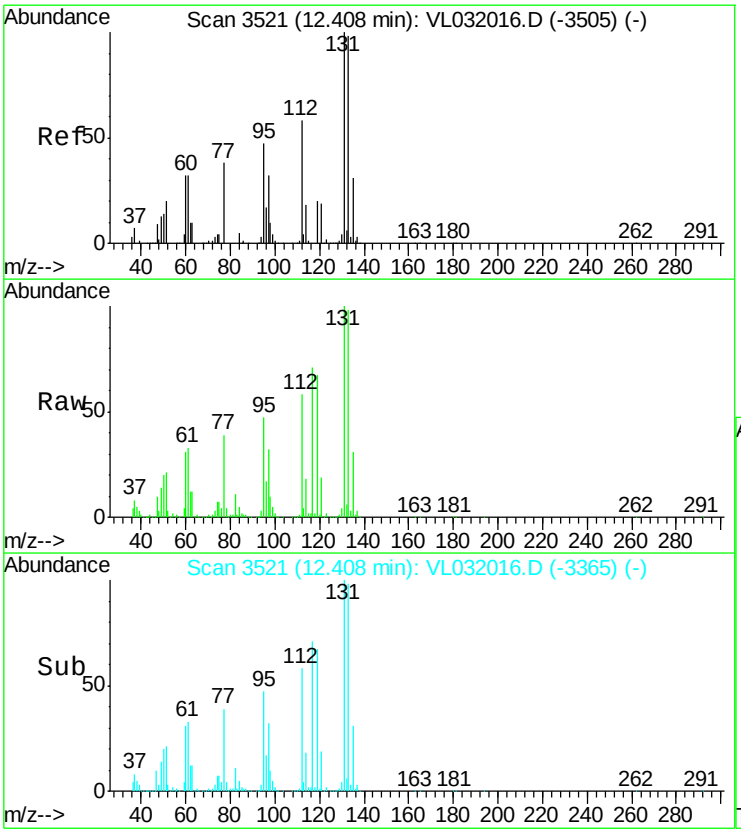
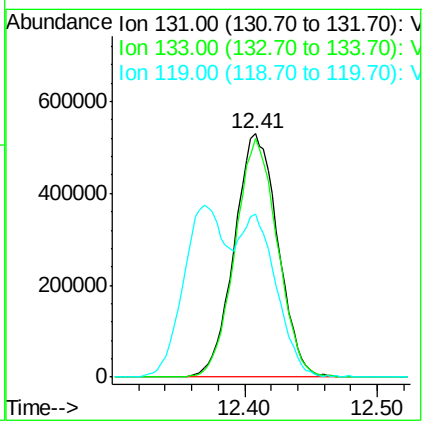
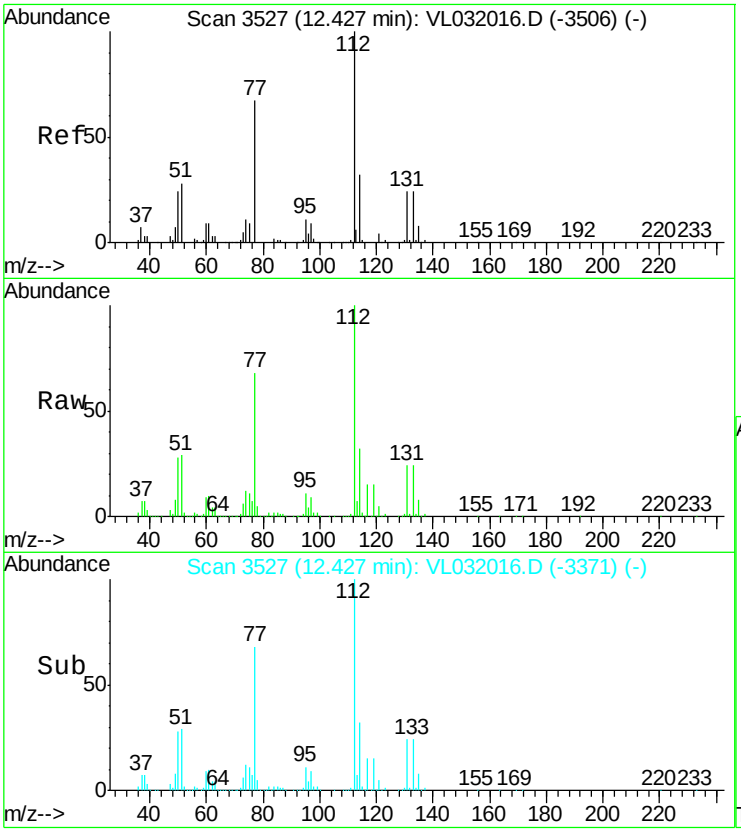


#56
1,1,1,2-Tetrachloroethane
Concen: 9.58 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:131 Resp: 1200627

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.7	115.1
119	57.3	49.2	73.8

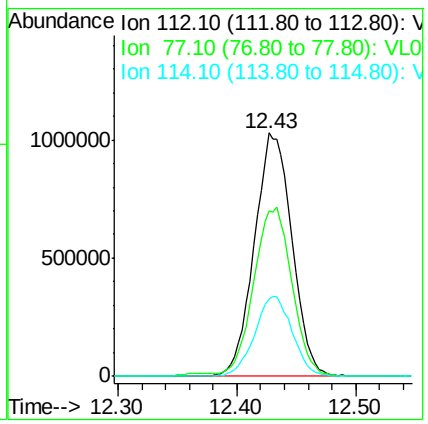




#57
Chlorobenzene
Concen: 9.44 ppbv
RT: 12.43 min Scan# 3527
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:112 Resp: 2246654

Ion	Ratio	Lower	Upper
112	100		
77	67.9	54.3	81.5
114	31.8	28.6	35.0



Instrument :
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ClientSampleId :
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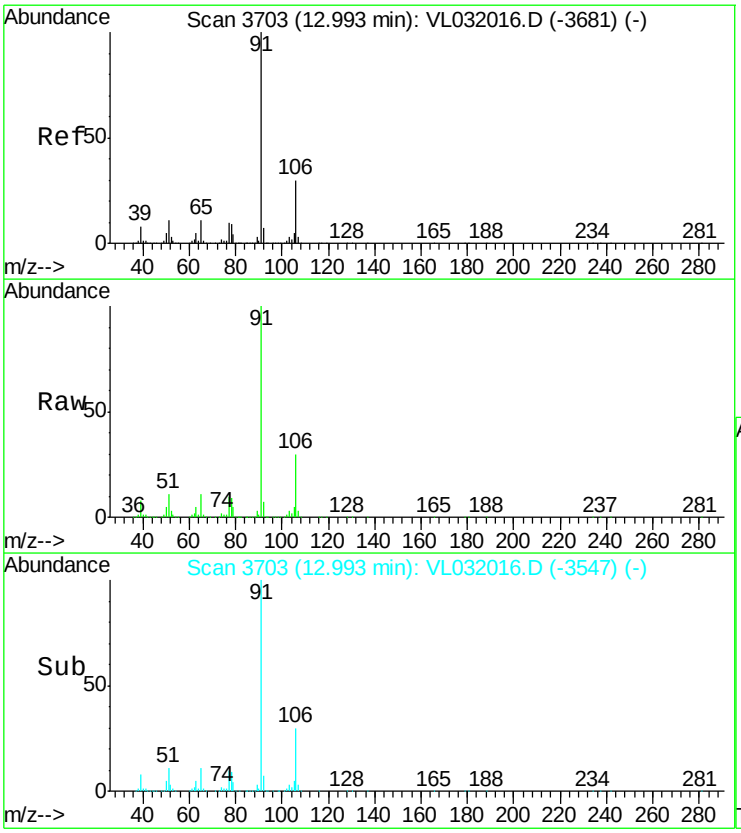
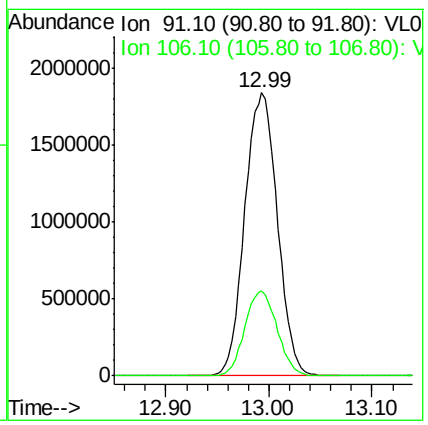
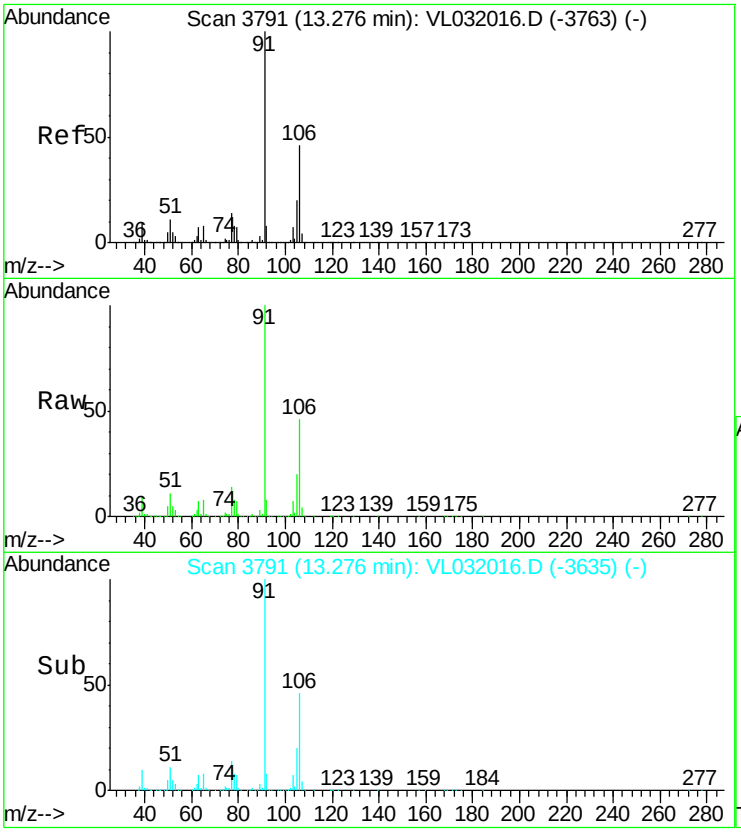


#58
Ethyl Benzene
Concen: 10.25 ppbv
RT: 12.99 min Scan# 3703
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 4042159

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2

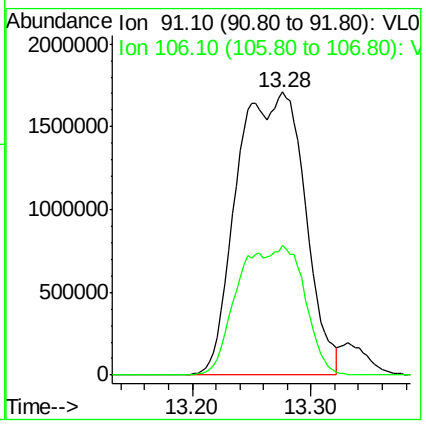




#59
m/p-Xylene
Concen: 19.98 ppbv m
RT: 13.28 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 6735264

Ion	Ratio	Lower	Upper
91	100		
106	44.8	35.7	53.5



Instrument :
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ClientSampleId :
VSTDICCC010

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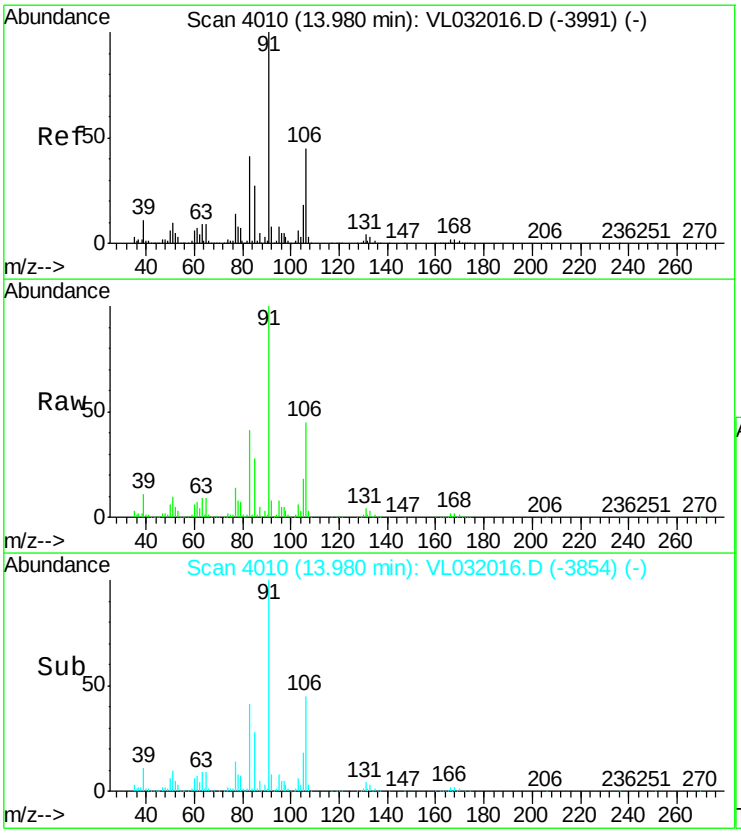
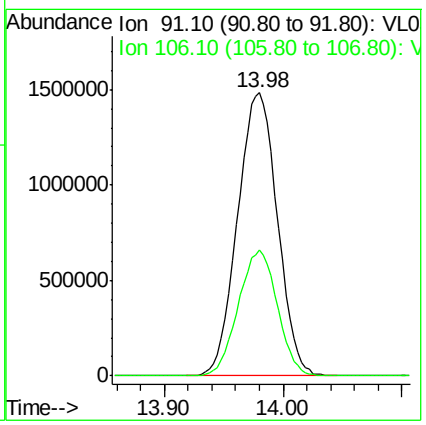
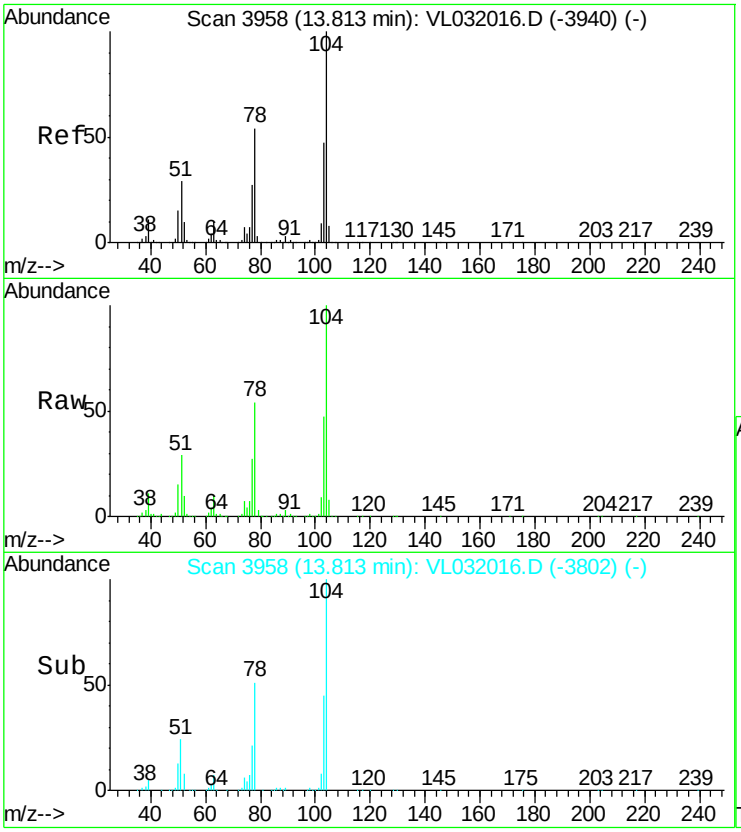


#60
o-Xylene
Concen: 10.14 ppbv
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 3431334

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.9	65.5

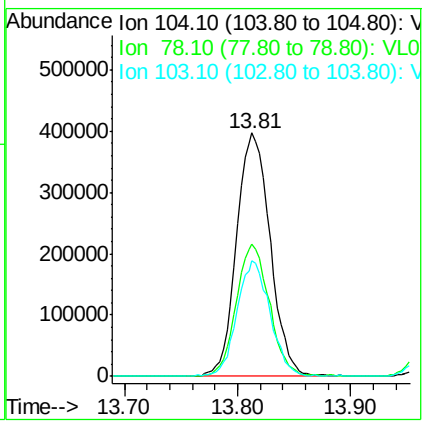




#61
Stvrene
Concen: 12.02 ppbv
RT: 13.81 min Scan# 3958
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:104 Resp: 821994

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.4
103	46.6	37.4	56.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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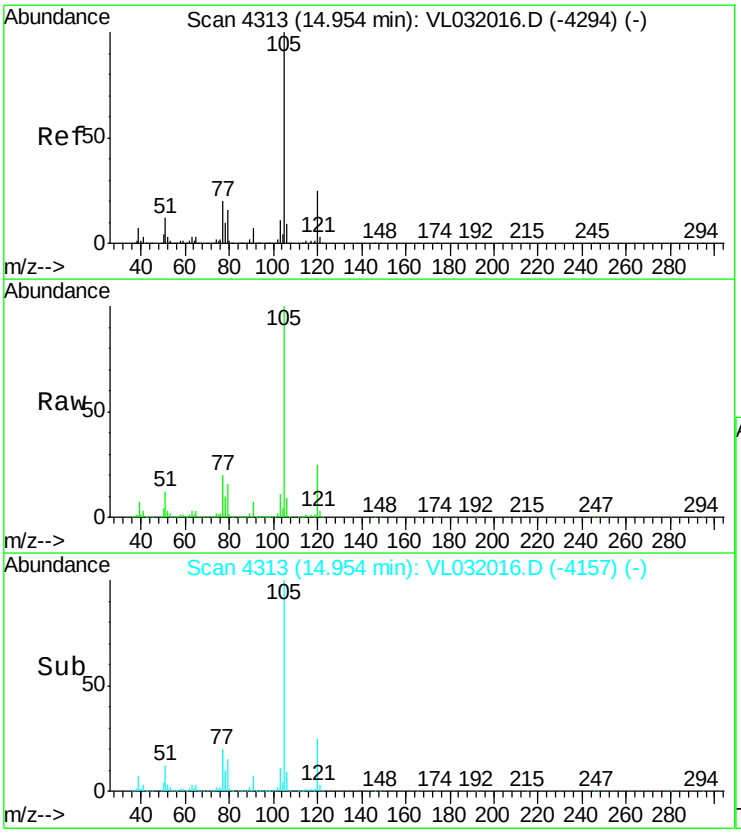
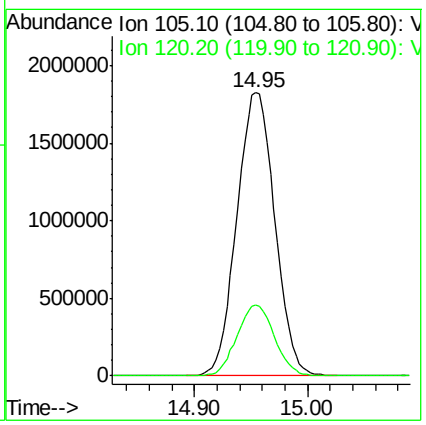
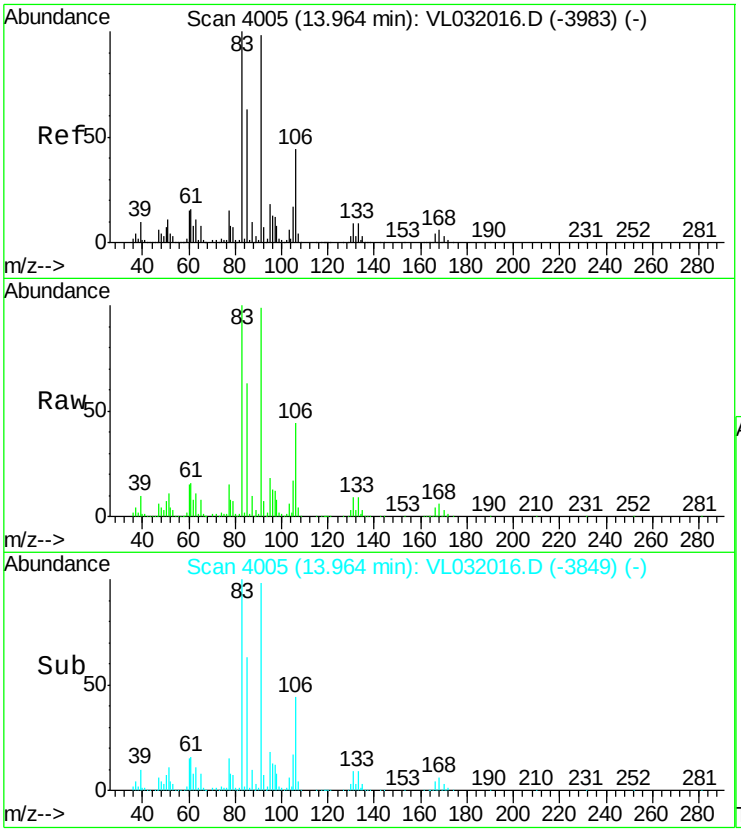


#62
Isopropylbenzene
Concen: 9.90 ppbv
RT: 14.95 min Scan# 4313
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:105 Resp: 4261605

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8

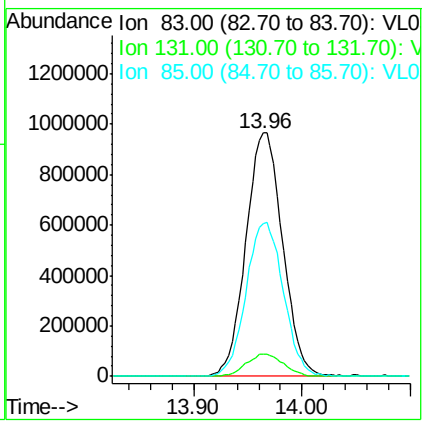




#63
1,1,2,2-Tetrachloroethane
Concen: 9.54 ppbv
RT: 13.96 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 83 Resp: 2283217

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.5	32.2	96.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
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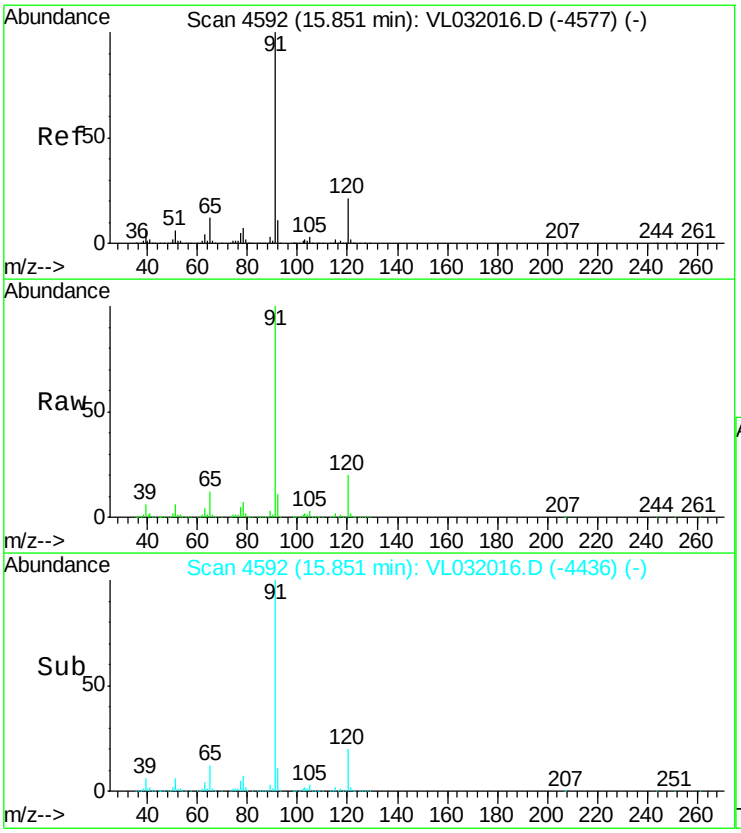
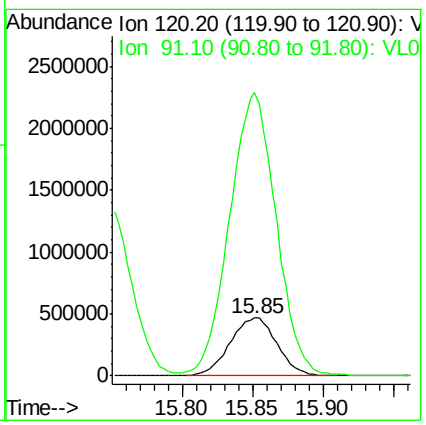
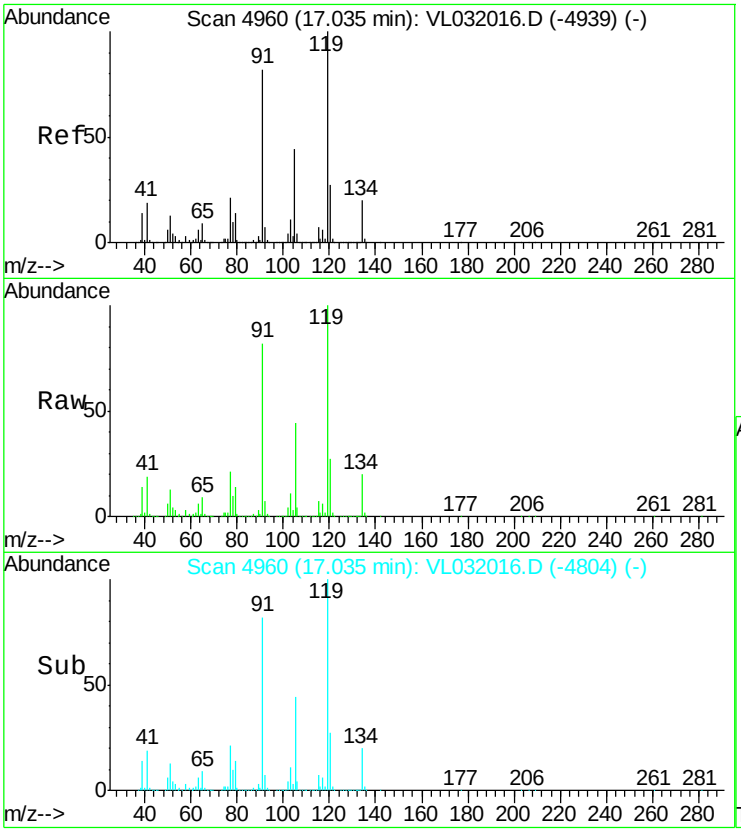


#64
n-propylbenzene
Concen: 10.00 ppbv
RT: 15.85 min Scan# 4592
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:120 Resp: 1082142

Ion	Ratio	Lower	Upper
120	100		
91	488.9	391.1	586.7

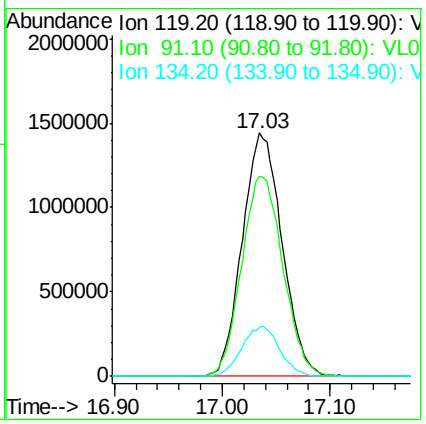




#65
tert-Butylbenzene
Concen: 9.65 ppbv
RT: 17.03 min Scan# 4960
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:119 Resp: 3697850

Ion	Ratio	Lower	Upper
119	100		
91	85.3	68.2	102.4
134	19.5	15.6	23.4



Instrument :
MSVOA_L
ClientSampleId :
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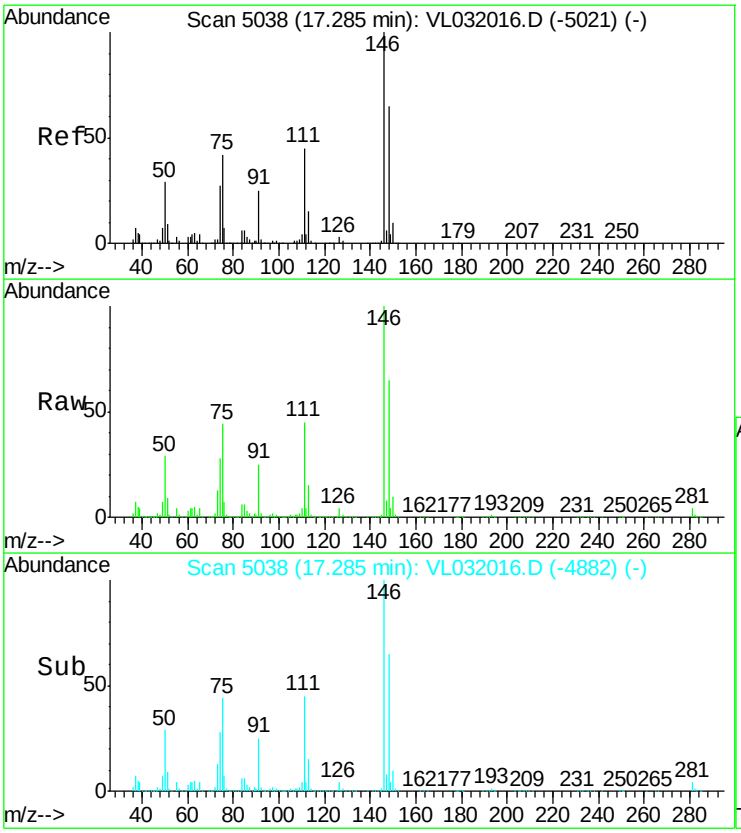
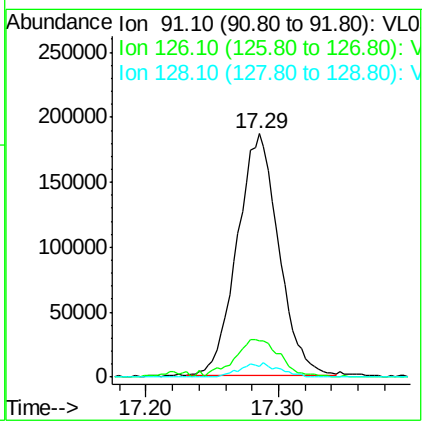
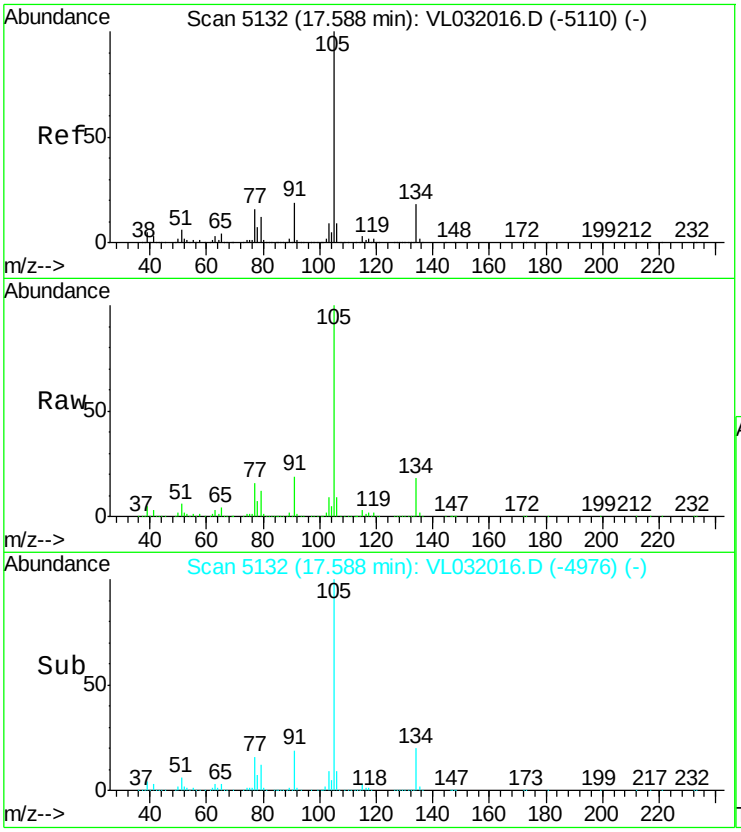


#66
Benzyl Chloride
Concen: 11.34 ppbv
RT: 17.29 min Scan# 5038
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 404970

Ion	Ratio	Lower	Upper
91	100		
126	19.1	14.2	21.2
128	5.6	4.5	6.7

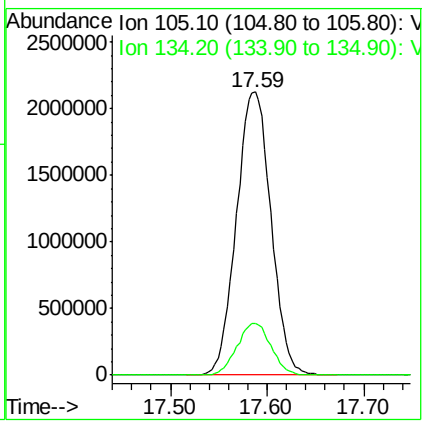




#67
sec-Butylbenzene
Concen: 9.88 ppbv
RT: 17.59 min Scan# 5132
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:105 Resp: 5270549

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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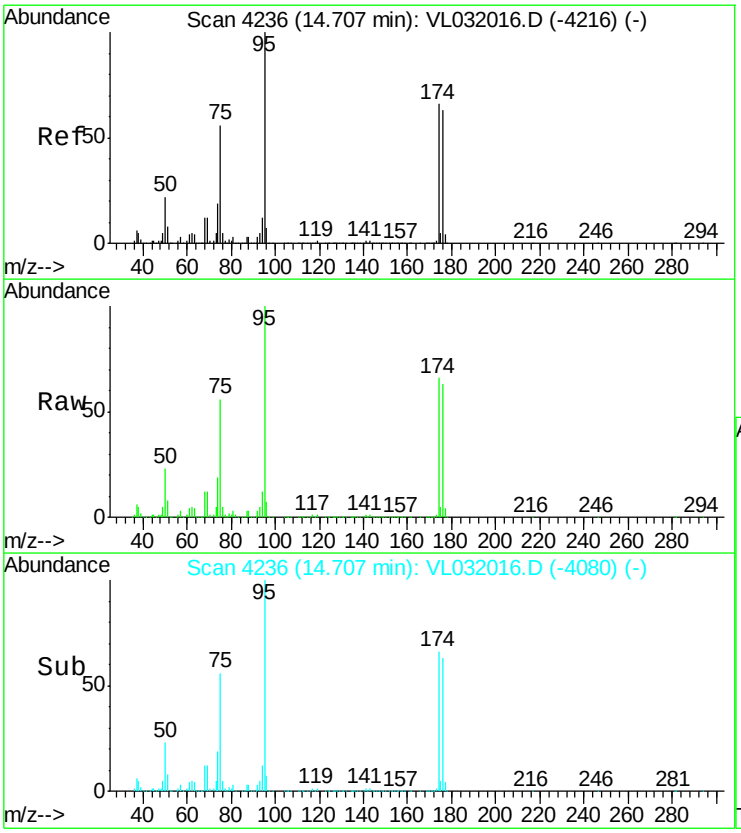
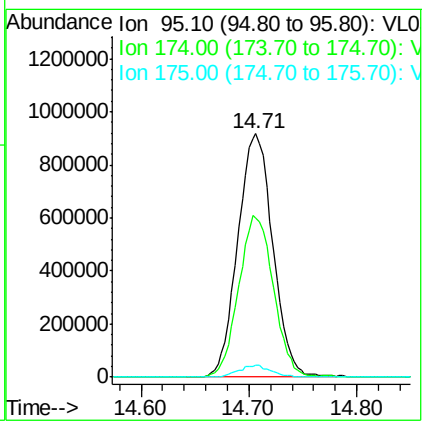
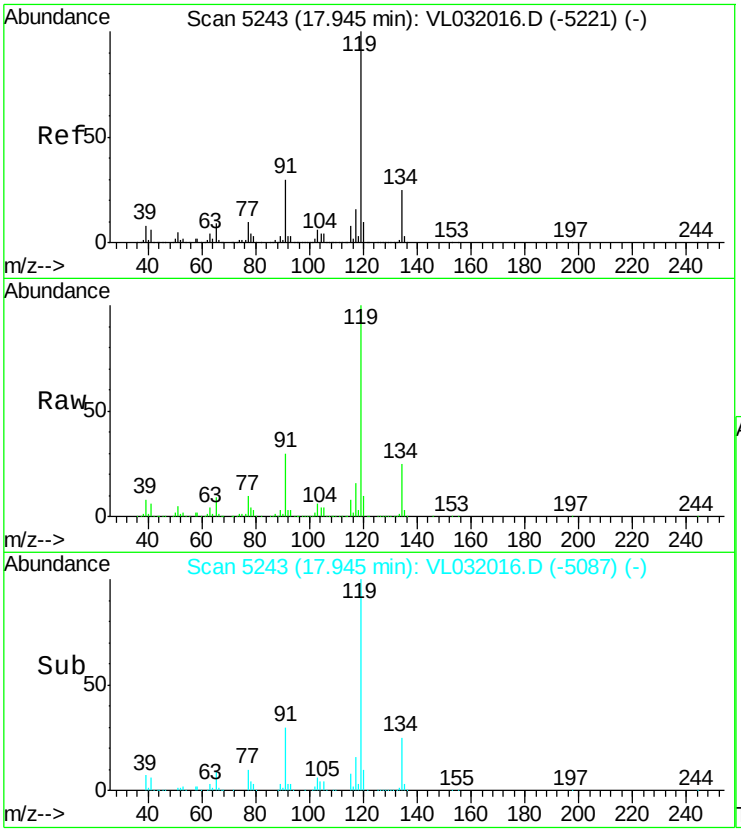


#68
1-Bromo-4-Fluorobenzene
Concen: 9.78 ppbv
RT: 14.71 min Scan# 4236
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 95 Resp: 2066983

Ion	Ratio	Lower	Upper
95	100		
174	66.5	53.2	79.8
175	4.6	3.7	5.5

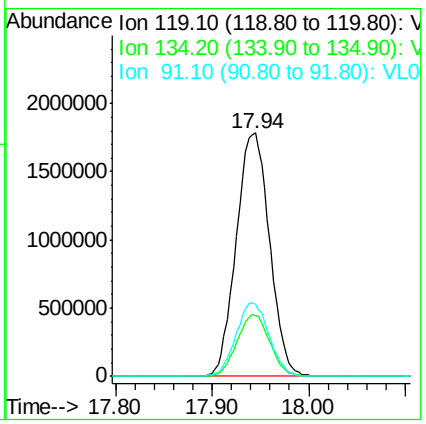




#69
p-Isopropyltoluene
Concen: 9.98 ppbv
RT: 17.94 min Scan# 5243
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:119 Resp: 4264375

Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.9	29.9
91	30.0	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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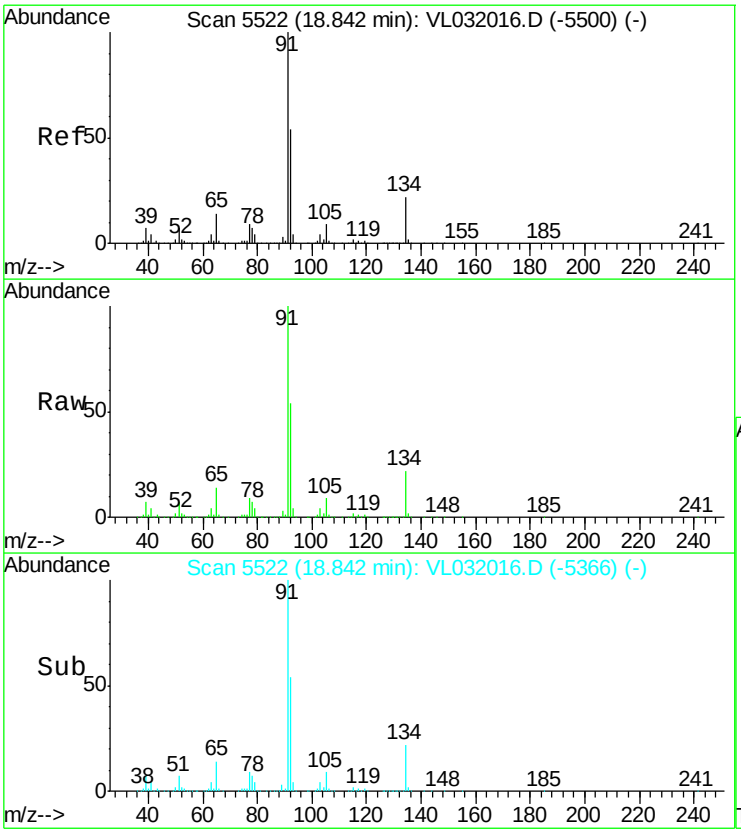
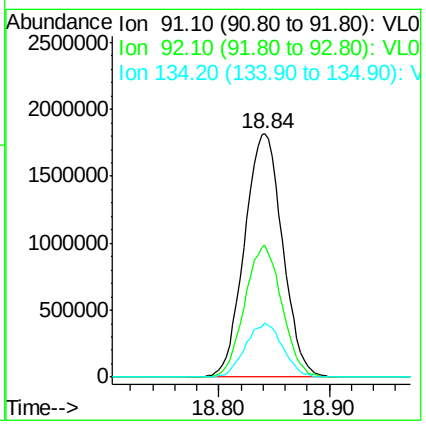
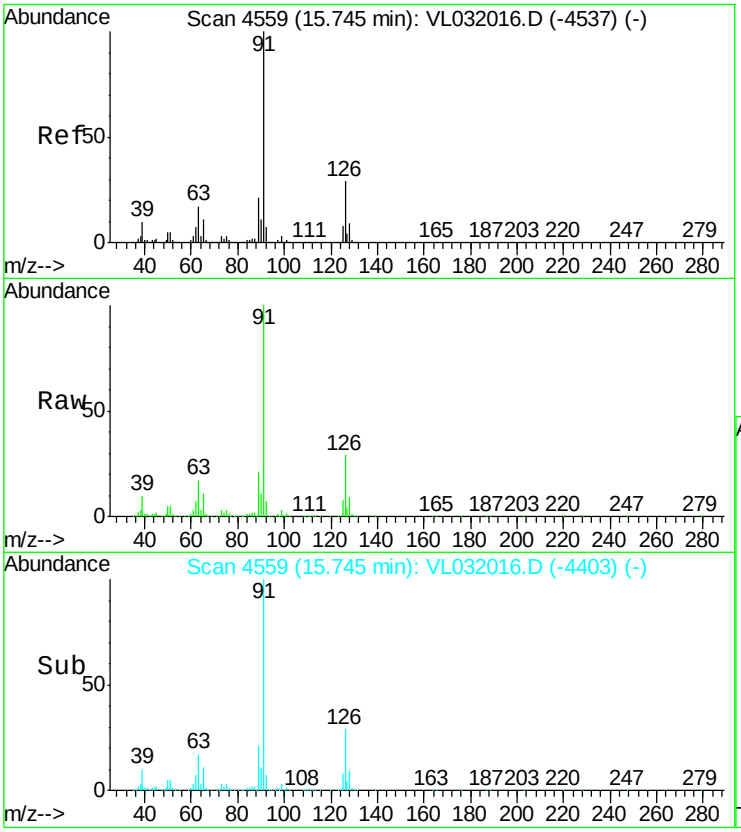


#70
n-Butylbenzene
Concen: 9.82 ppbv
RT: 18.84 min Scan# 5522
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 4332922

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.5	63.7
134	21.8	17.4	26.2

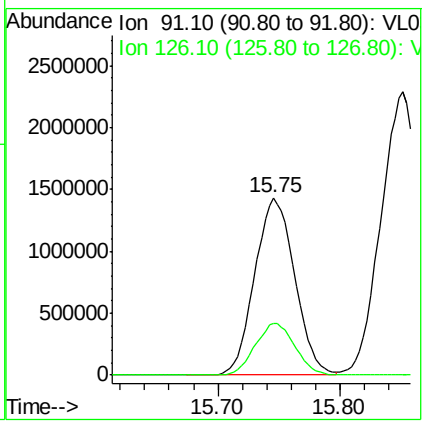




#71
2-Chlorotoluene
Concen: 10.30 ppbv
RT: 15.75 min Scan# 4559
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion: 91 Resp: 3256334

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7



Instrument :
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ClientSampleId :
VSTDICCC010

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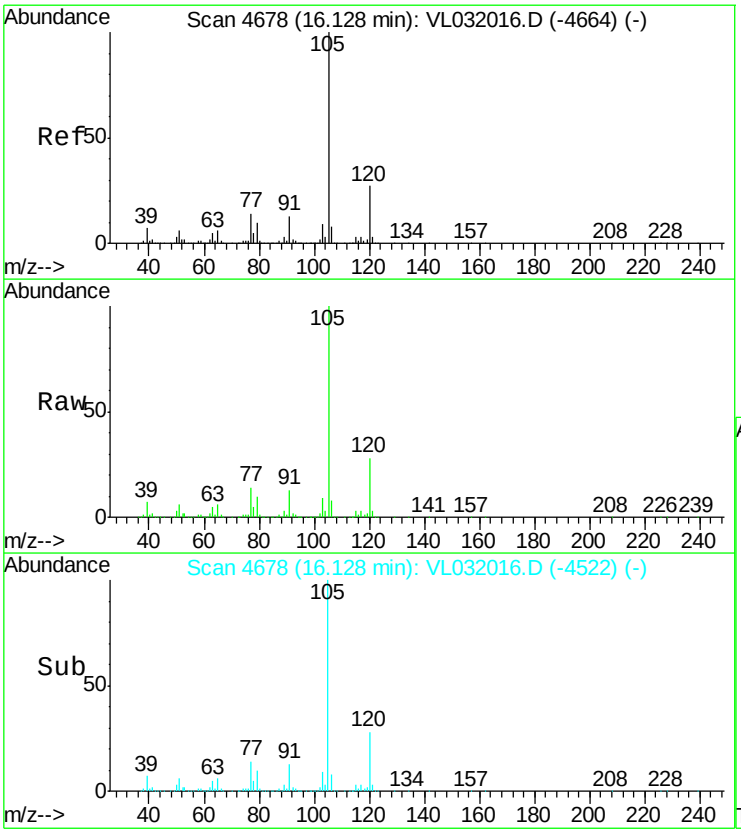
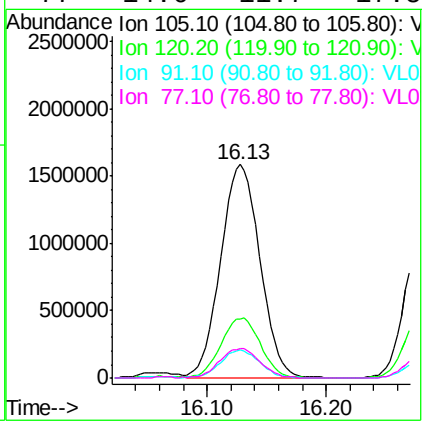
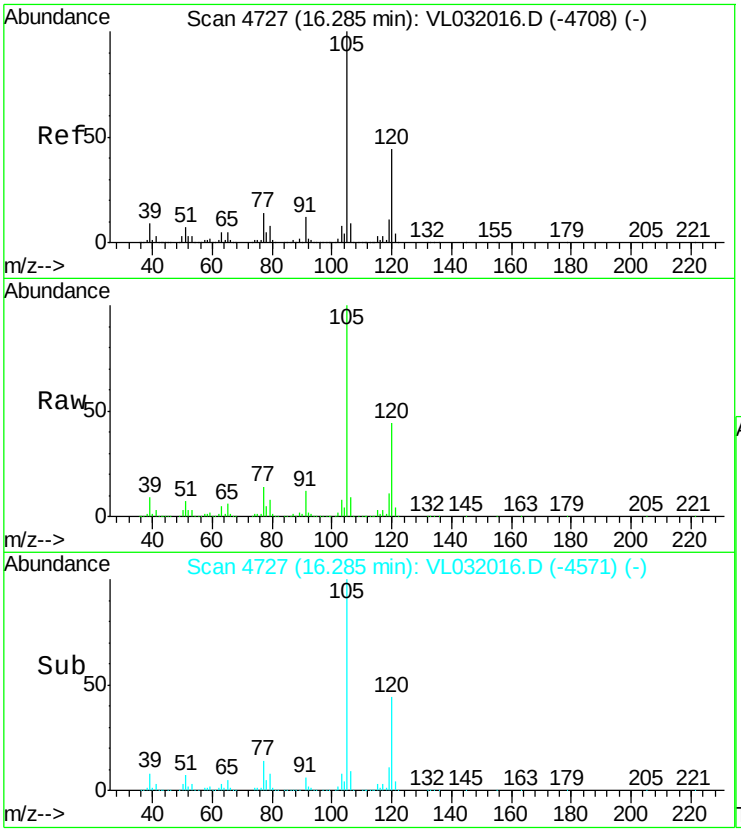


#72
4-Ethyltoluene
Concen: 10.54 ppbv
RT: 16.13 min Scan# 4678
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:105 Resp: 3618079

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.4	35.0
91	13.4	10.7	16.1
77	14.6	11.7	17.5

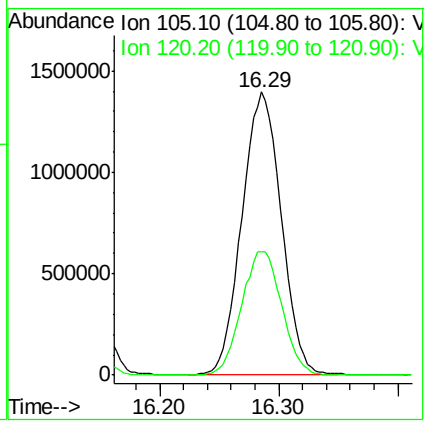




#73
1,3,5-Trimethylbenzene
Concen: 10.10 ppbv
RT: 16.29 min Scan# 4727
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:105 Resp: 3186128

Ion	Ratio	Lower	Upper
105	100		
120	43.7	35.0	52.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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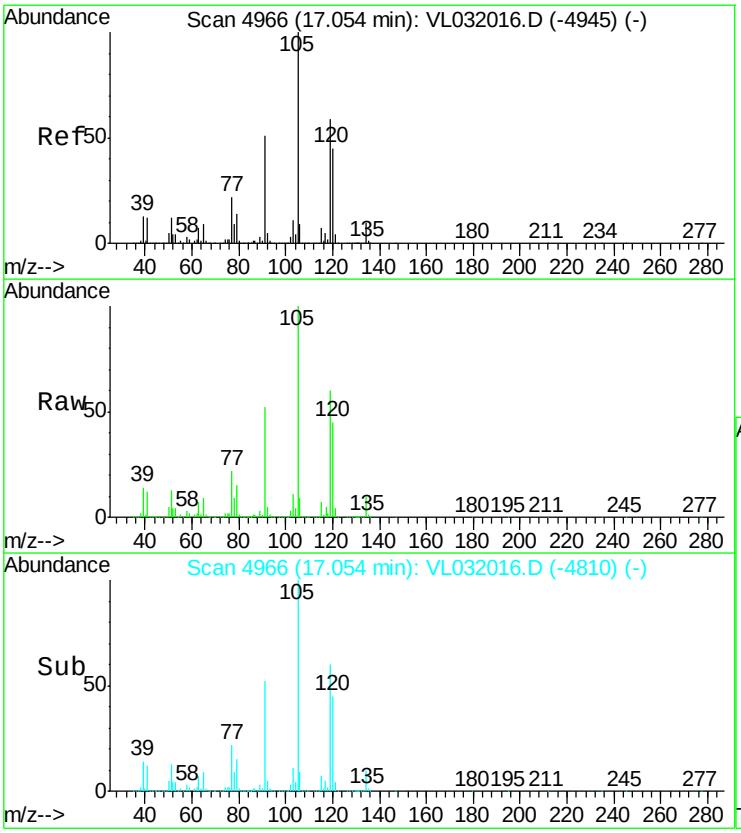
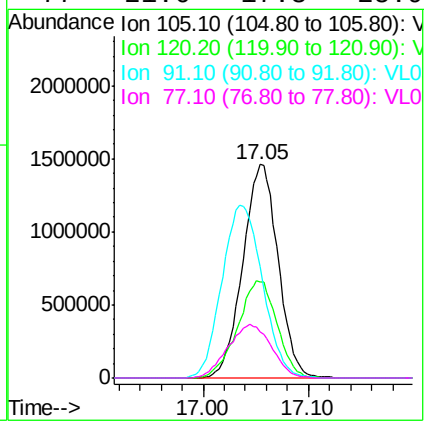
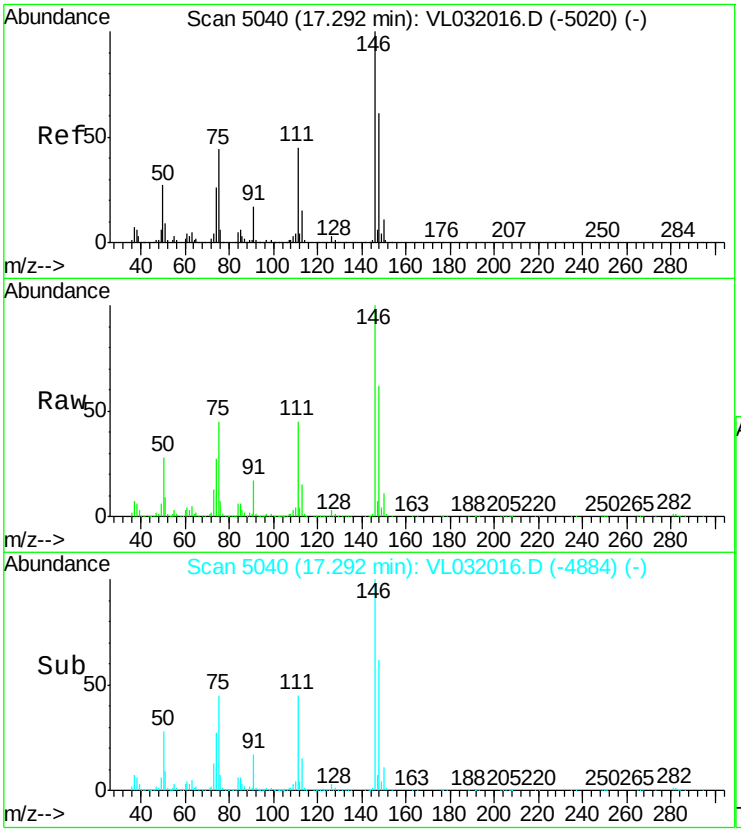


#74
1,2,4-Trimethylbenzene
Concen: 9.71 ppbv
RT: 17.05 min Scan# 4966
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:105 Resp: 3402604

Ion	Ratio	Lower	Upper
105	100		
120	45.0	36.0	54.0
91	51.7	41.4	62.0
77	21.6	17.3	25.9

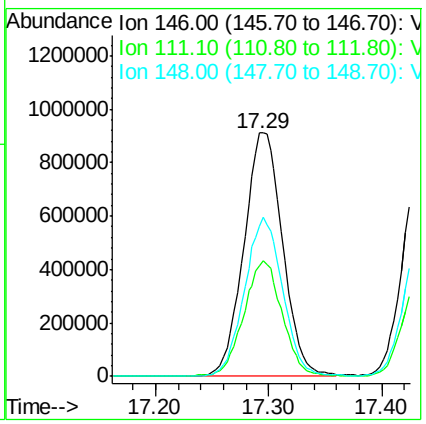




#75
1,3-Dichlorobenzene
Concen: 9.94 ppbv
RT: 17.29 min Scan# 5040
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:146 Resp: 2165412

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.7	71.1
148	64.3	32.1	96.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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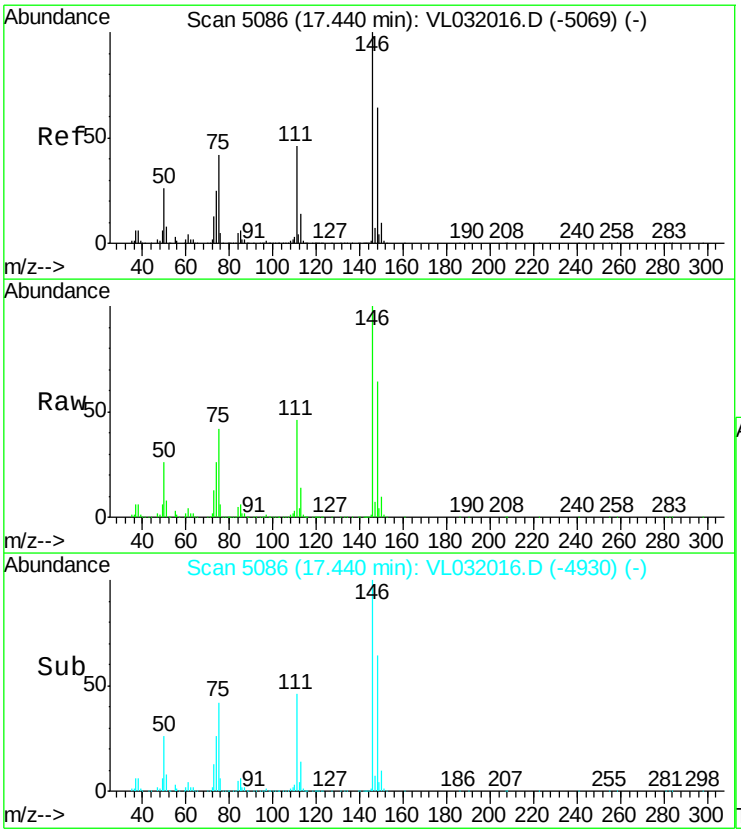
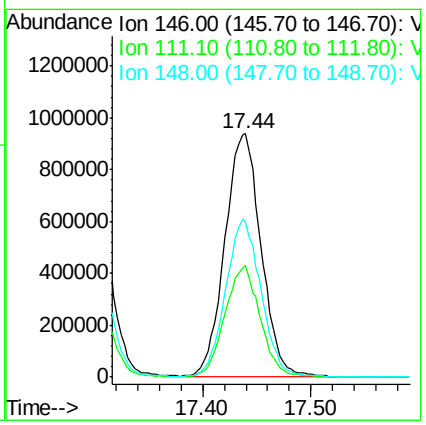
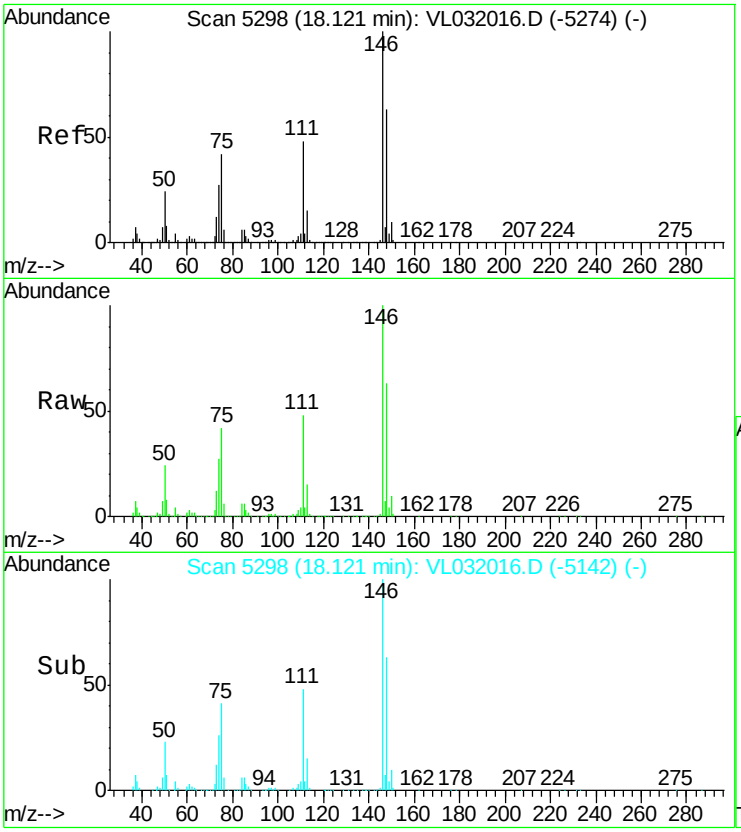


#76
1,4-Dichlorobenzene
Concen: 10.14 ppbv
RT: 17.44 min Scan# 5086
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:146 Resp: 2184206

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.0
148	63.7	32.1	96.3

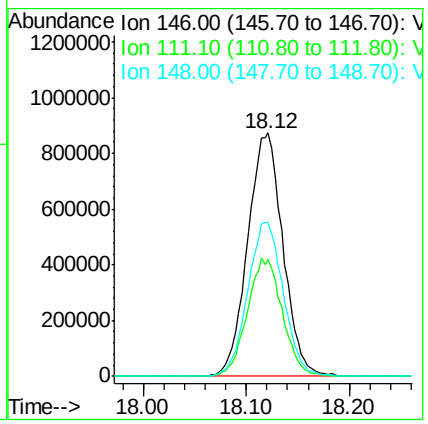




#77
1,2-Dichlorobenzene
Concen: 9.54 ppbv
RT: 18.12 min Scan# 5298
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:146 Resp: 2071996

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.2	72.6
148	64.2	32.0	96.2



Instrument :
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ClientSampleId :
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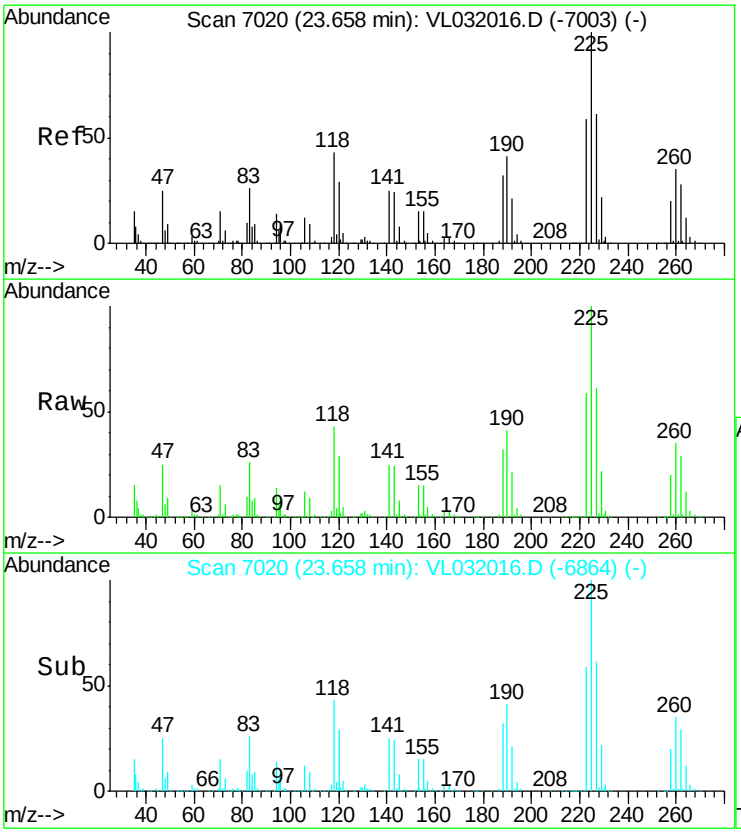
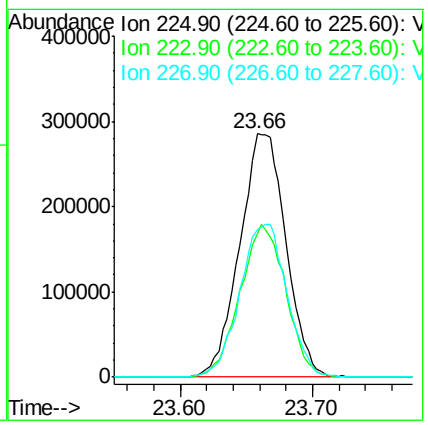
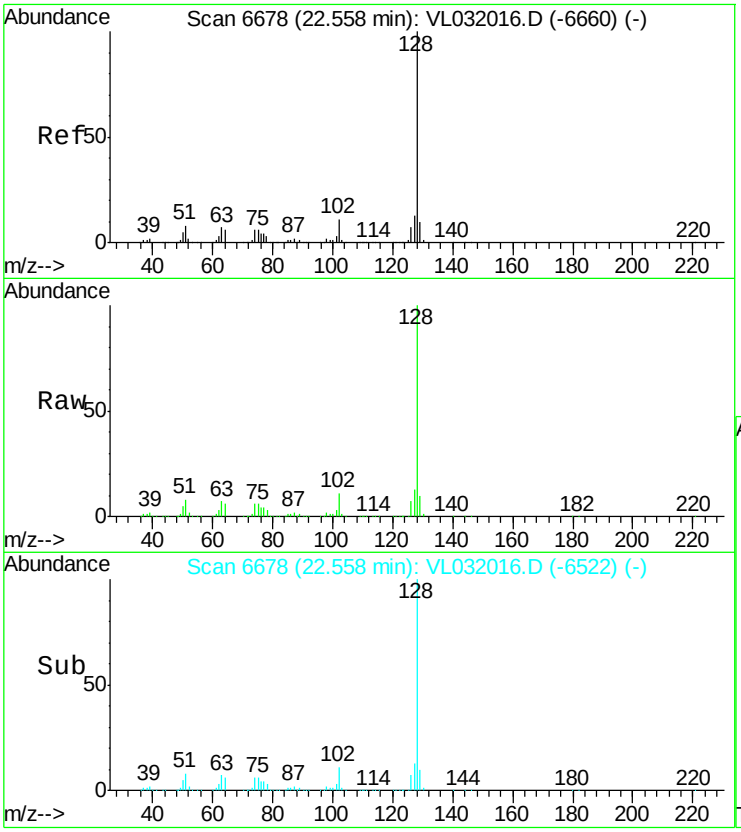


#78
Hexachloro-1,3-Butadiene
Concen: 7.77 ppbv m
RT: 23.66 min Scan# 7020
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:225 Resp: 690755

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.4	74.2
227	64.0	51.2	76.8

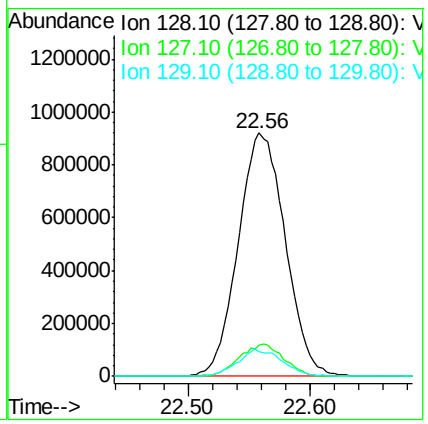




#79
Naphthalene
Concen: 10.15 ppbv
RT: 22.56 min Scan# 6678
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:128 Resp: 2443274

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.2	8.2	12.2



Instrument :
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ClientSampleId :
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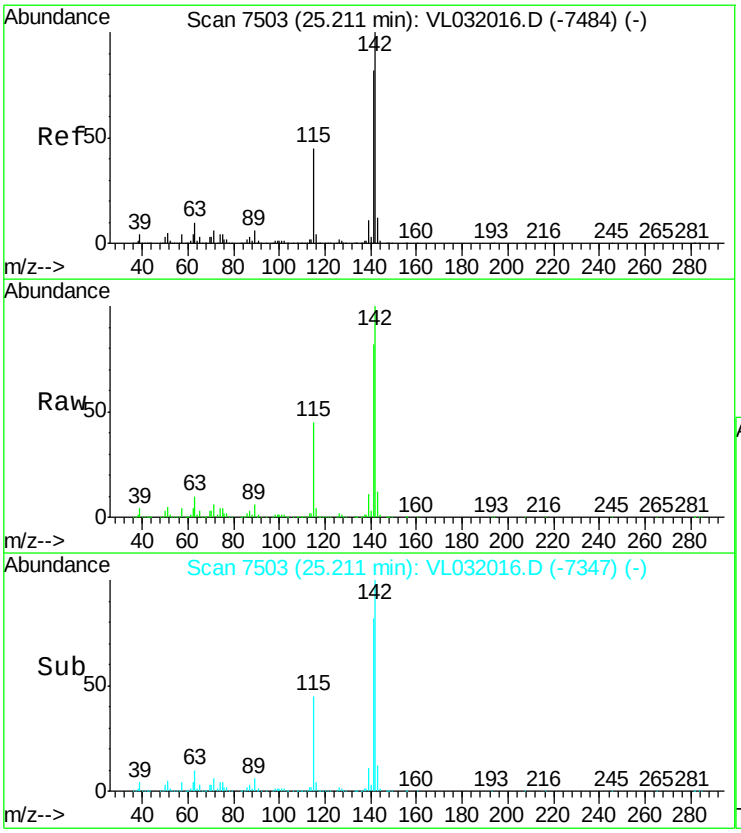
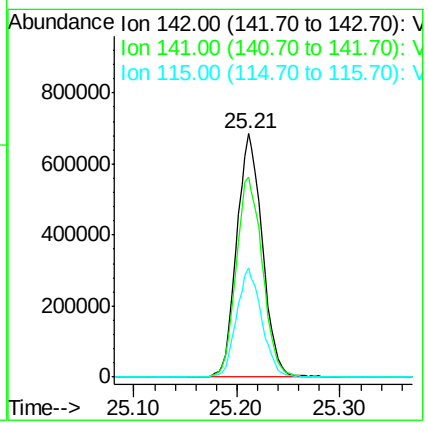
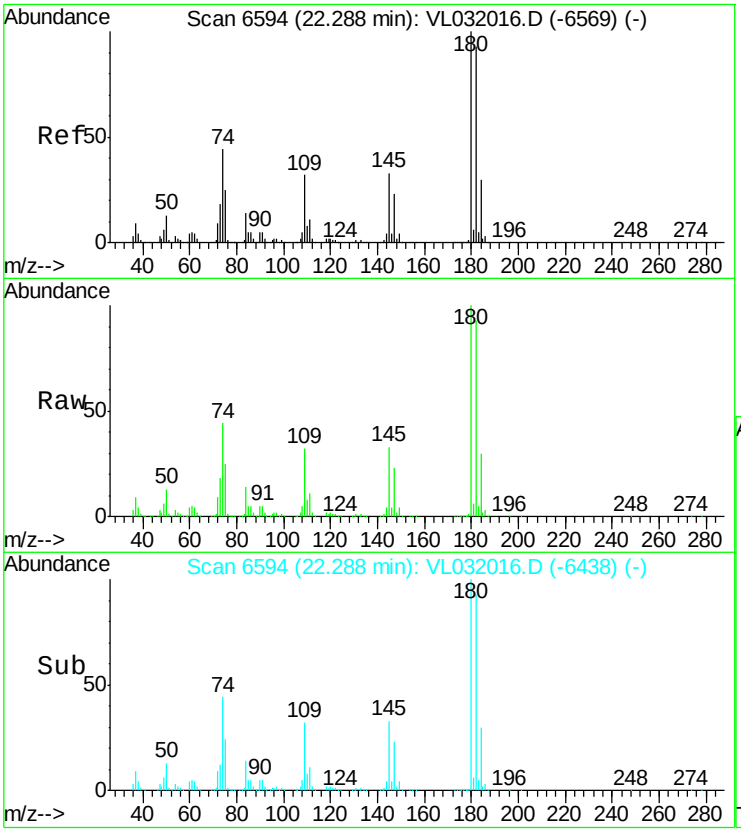


#80
Naphthalene,2-methyl-
Concen: 18.70 ppbv
RT: 25.21 min Scan# 7503
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:142 Resp: 1186426

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.4	101.2
115	44.0	35.3	52.9

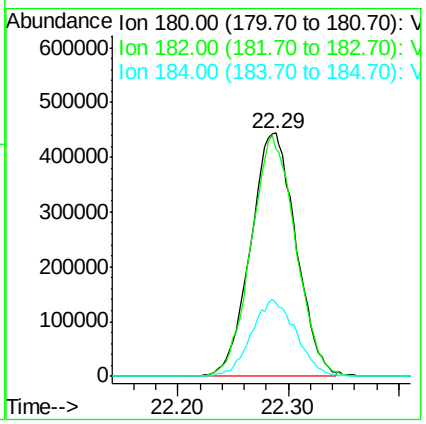




#81
1,2,4-Trichlorobenzene
Concen: 9.47 ppbv
RT: 22.29 min Scan# 6594
Delta R.T. 0.00 min
Lab File: VL032016.D
Acq: 31 May 2018 16:04

Tgt Ion:180 Resp: 1262920

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	31.1	24.9	37.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
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