Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

Quant Time: May 03 12:37:02 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1283057	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2694093	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2638498	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.73	95	1955489	9.22	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.16	85	461583	1.74	ppbv		98
3) Chlorodifluoromethane	3.10	51	276848	1.86	ppbv		95
4) Chloromethane	3.25	50	136786	1.80	ppbv		92
5) Vinyl Chloride	3.38	62	139431	1.63	ppbv		99
6) Bromomethane	3.61	94	94587	1.68	ppbv		95
7) Chloroethane	3.69	64	57608	1.68	ppbv		94
8) Dichlorotetrafluoroethane	3.31	85	372830	1.72	ppbv		100
9) Propene	3.12	41	102231	1.98	ppbv		99
10) Heptane	8.38	43	333708	1.99	ppbv		99
11) Trichlorofluoromethane	4.10	101	406402	1.57	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.66	101	316688	1.88	ppbv		97
13) Ethanol	3.75	45	34242	1.96	ppbv		99
14) Bromoethene	3.88	108	110784	1.74	ppbv		98
15) Acetone	4.00	43	373898	1.89	ppbv		97
16) 1,3-Butadiene	3.45	39	131926	1.81	ppbv		95
17) tert-Butyl alcohol	4.46	59	176599m	2.16	ppbv		
18) 1,1-Dichloroethene	4.46	96	144289	1.99	ppbv		89
19) Isopropyl Alcohol	4.13	45	195889	1.78	ppbv		100
20) Methylene Chloride	4.52	84	133928	1.86	ppbv		90
21) Allyl Chloride	4.59	41	222971	1.98	ppbv		100
22) trans-1,2-Dichloroethene	5.08	96	153671	2.05	ppbv		95
23) Vinyl Acetate	5.27	43	449392	2.24	ppbv		98
24) 1,1-Dichloroethane	5.21	63	405675	2.03	ppbv		97
25) Ethyl Acetate	5.89	43	670922	2.18	ppbv		99
26) Hexane	5.90	57	313089	2.18	ppbv		97
27) Carbon Disulfide	4.73	76	358804	1.92	ppbv	#	94
28) Methyl tert-Butyl Ether	5.23	73	397977	2.25	ppbv		98
29) Chloroform	5.97	83	497350	2.04	ppbv		98
30) Cyclohexane	7.38	84	215721	2.10	ppbv		90
31) cis-1,2-Dichloroethene	5.76	61	301245	2.32	ppbv		99
32) 1,1,1-Trichloroethane	6.75	97	440651	1.86	ppbv		98
34) 2-Butanone	5.45	43	473429	2.53	ppbv		99
35) Carbon Tetrachloride	7.27	117	439640	1.88	ppbv		99
36) Benzene	7.13	78	531413	2.19	ppbv		96
37) 1,2-Dichloroethane	6.54	62	359185	1.99	ppbv		98
38) Trichloroethene	8.09	130	209689	2.13	ppbv		87
39) 1,2-Dichloropropane	7.87	63	188639	2.09	ppbv		98
40) 1,4-Dioxane	8.11	88	82232m	2.25	ppbv		
41) Tetrahydrofuran	6.28	42	224984	2.60	ppbv		96
42) Bromodichloromethane	8.05	83	434751	2.02	ppbv		100
43) Methyl Methacrylate	8.27	69	186772	2.19	ppbv		98

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

Quant Time: May 03 12:37:02 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	898528	2.15	ppbv		99
45) t-1,3-Dichloropropene	9.55	75	242674	2.19	ppbv		93
46) cis-1,3-Dichloropropene	8.97	75	300290	2.12	ppbv		96
47) 1,1,2-Trichloroethane	9.75	97	221723	2.07	ppbv		96
48) Dibromochloromethane	10.59	129	368308	2.13	ppbv		98
49) Bromoform	13.35	173	272454	2.05	ppbv		99
50) 4-Methyl-2-Pentanone	9.01	43	455665	2.13	ppbv		99
51) 2-Hexanone	10.41	43	431136	2.31	ppbv	#	98
52) Tetrachloroethene	11.52	164	200170	2.12	ppbv		96
53) Toluene	10.09	91	616778	2.28	ppbv		98
54) 1,2-Dibromoethane	10.90	107	338616	2.18	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.42	131	257774	2.08	ppbv	#	1
57) Chlorobenzene	12.44	112	482694	2.16	ppbv		93
58) Ethyl Benzene	13.01	91	849440	2.32	ppbv		98
59) m/p-Xylene	13.30	91	1414541m	4.45	ppbv		
60) o-Xylene	13.99	91	713462	2.24	ppbv		98
61) Styrene	13.83	104	144410	2.38	ppbv		98
62) Isopropylbenzene	14.97	105	904048	2.21	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.98	83	482467	1.97	ppbv		99
64) n-propylbenzene	15.86	120	226558	2.28	ppbv		98
65) tert-Butylbenzene	17.05	119	799411	2.28	ppbv		99
66) Benzyl Chloride	17.30	91	60264	1.90	ppbv	#	94
67) sec-Butylbenzene	17.60	105	1105926	2.19	ppbv		100
69) p-Isopropyltoluene	17.96	119	900758	2.30	ppbv		99
70) n-Butylbenzene	18.85	91	921970	2.26	ppbv		99
71) 2-Chlorotoluene	15.76	91	652901	2.21	ppbv		99
72) 4-Ethyltoluene	16.14	105	713619	2.20	ppbv		99
73) 1,3,5-Trimethylbenzene	16.30	105	653191	2.20	ppbv		98
74) 1,2,4-Trimethylbenzene	17.07	105	733514	2.21	ppbv		96
75) 1,3-Dichlorobenzene	17.31	146	436261	2.14	ppbv		99
76) 1,4-Dichlorobenzene	17.45	146	427813	2.17	ppbv		98
77) 1,2-Dichlorobenzene	18.14	146	435214	2.17	ppbv		98
78) Hexachloro-1,3-Butadiene	23.68	225	158248	2.05	ppbv		99
79) Naphthalene	22.58	128	490846m	2.63	ppbv		
80) Naphthalene,2-methyl-	25.23	142	96044	2.63	ppbv		100
81) 1,2,4-Trichlorobenzene	22.31	180	268363	2.59	ppbv		99

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

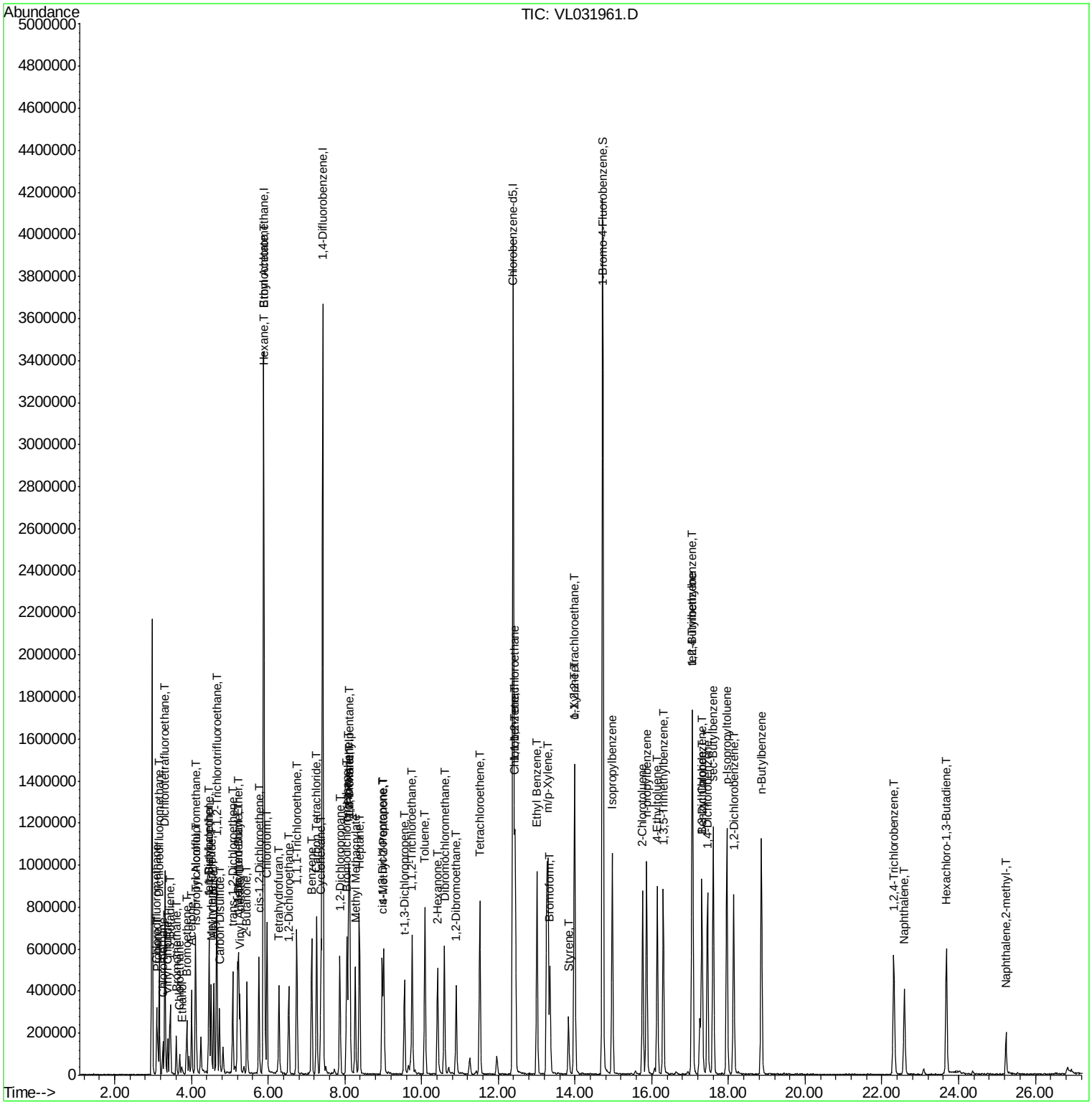
Quantitation Report (QT Reviewed)

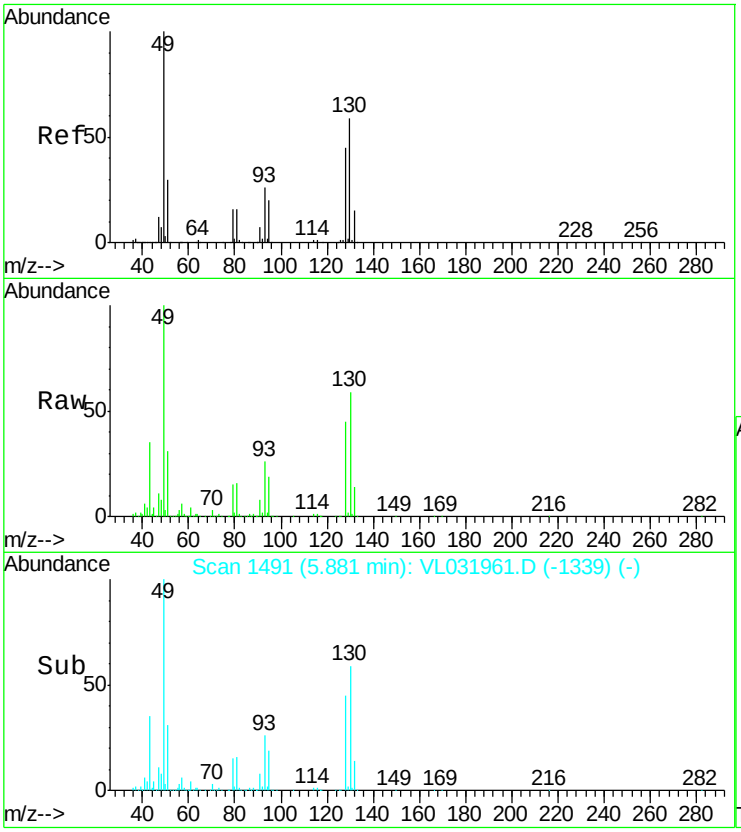
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\
Data File : VL031961.D
Acq On : 3 May 2018 12:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 03 12:37:02 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

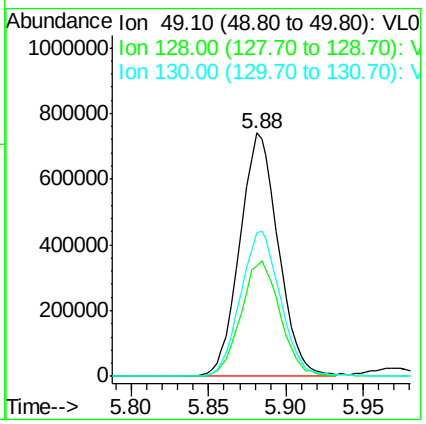




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

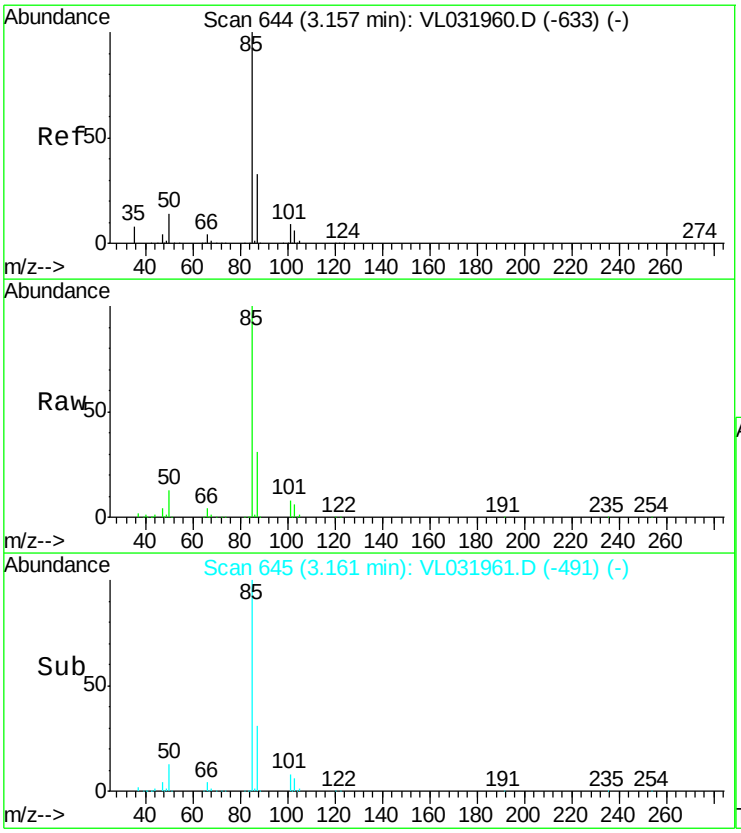
Tgt Ion: 49 Resp: 1283057

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.9	71.7
130	61.9	30.9	92.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

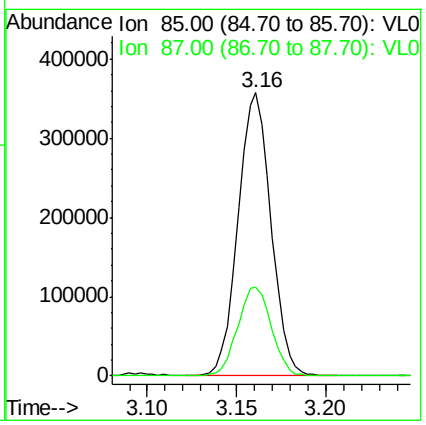
Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

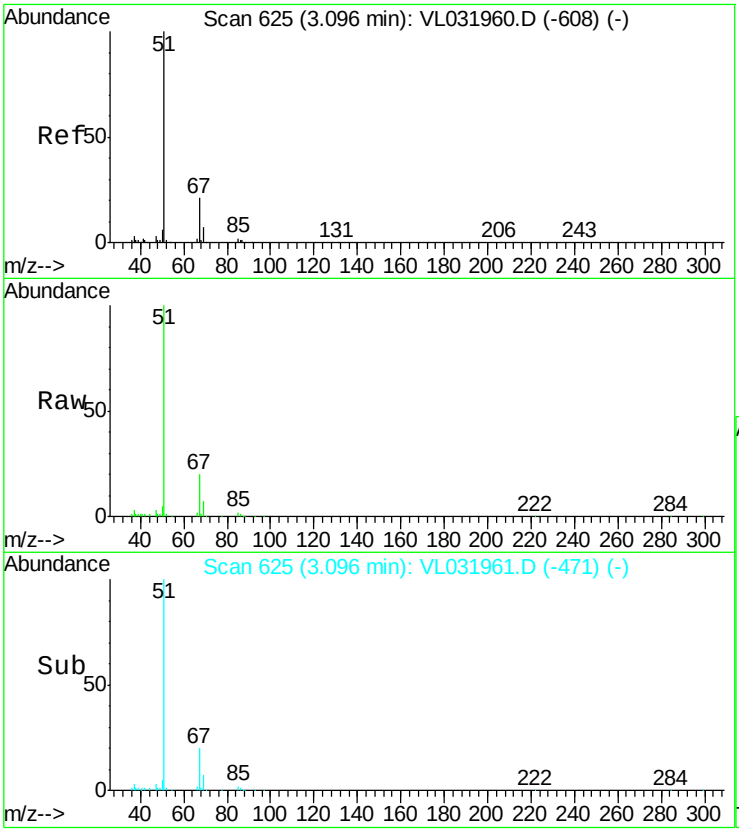


#2
Dichlorodifluoromethane
Concen: 1.74 ppbv
RT: 3.16 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 85 Resp: 461583

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.9	38.9





#3
Chlorodifluoromethane
Concen: 1.86 ppbv
RT: 3.10 min Scan# 625
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 51 Resp: 276848

Ion	Ratio	Lower	Upper
51	100		
67	19.6	17.5	26.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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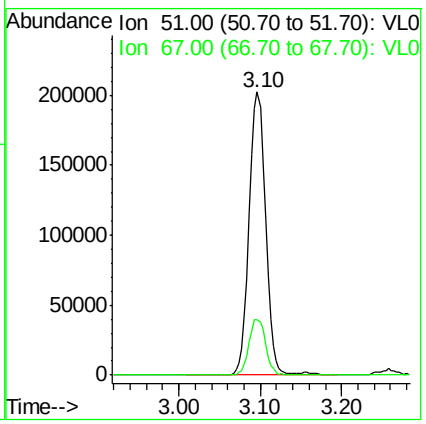
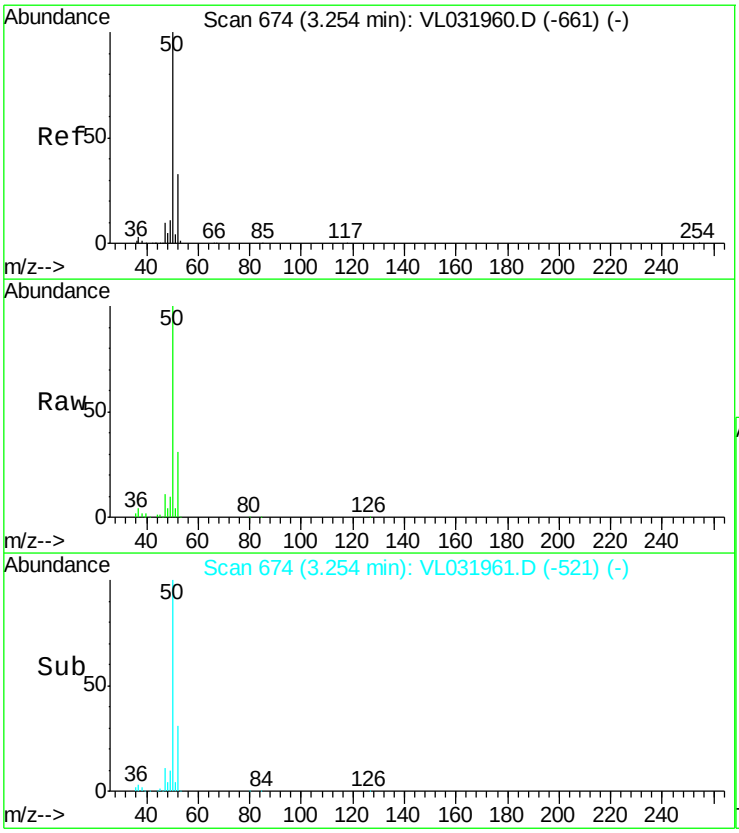
5/4/2018 5:00:55 PM

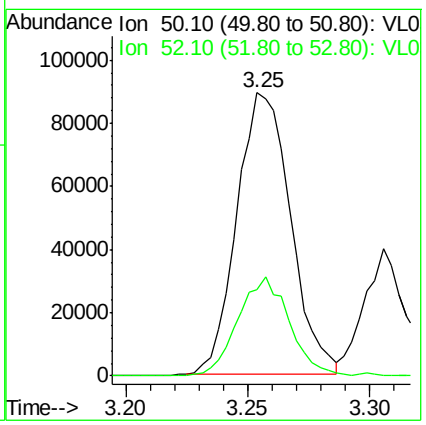


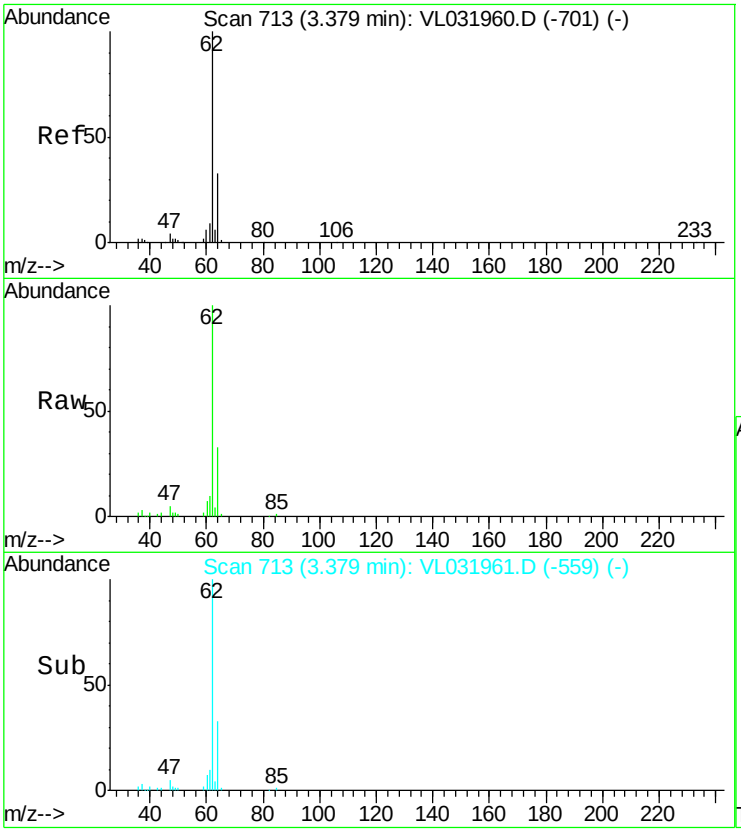


#4
Chloromethane
Concen: 1.80 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 50 Resp: 136786

Ion	Ratio	Lower	Upper
50	100		
52	30.5	28.1	42.1

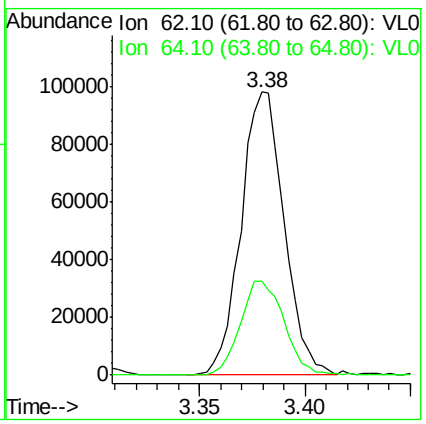




#5
Vinyl Chloride
Concen: 1.63 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 62 Resp: 139431

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.9	38.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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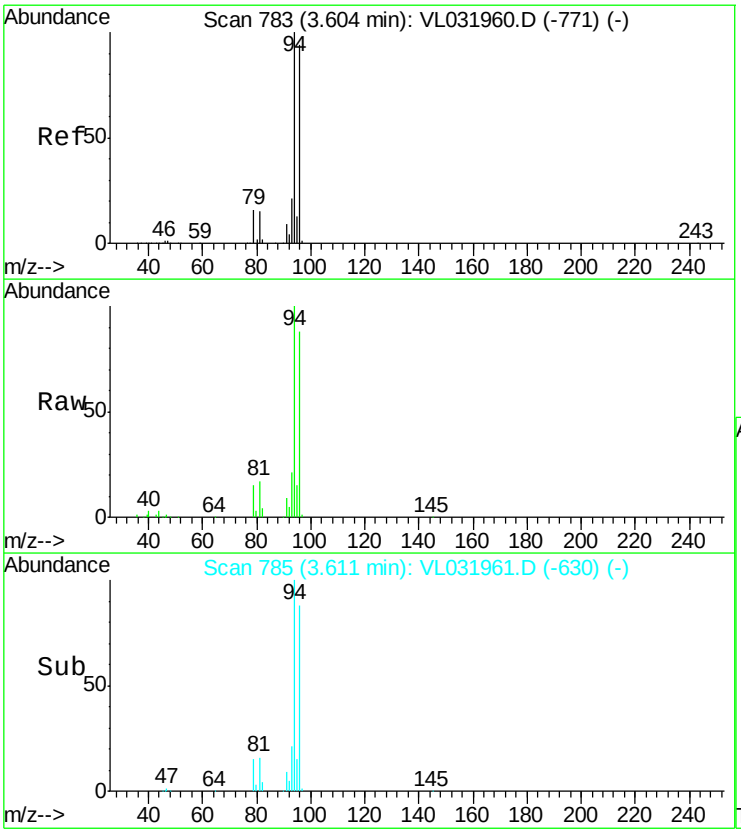
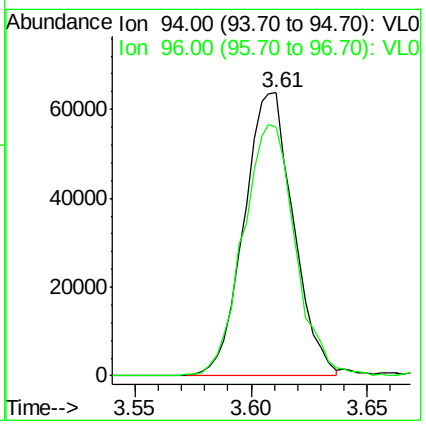
5/4/2018 5:00:55 PM

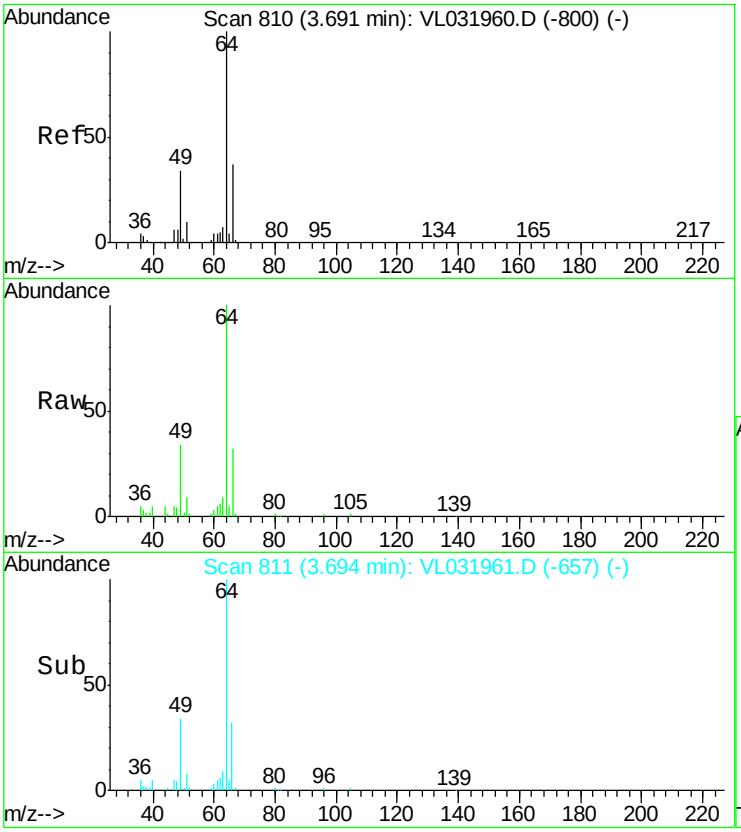


#6
Bromomethane
Concen: 1.68 ppbv
RT: 3.61 min Scan# 785
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 94 Resp: 94587

Ion	Ratio	Lower	Upper
94	100		
96	87.3	73.8	110.6

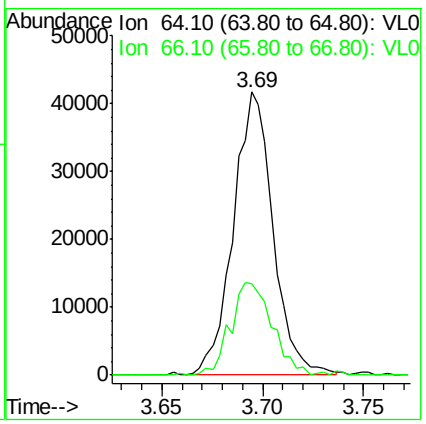




#7
Chloroethane
Concen: 1.68 ppbv
RT: 3.69 min Scan# 811
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

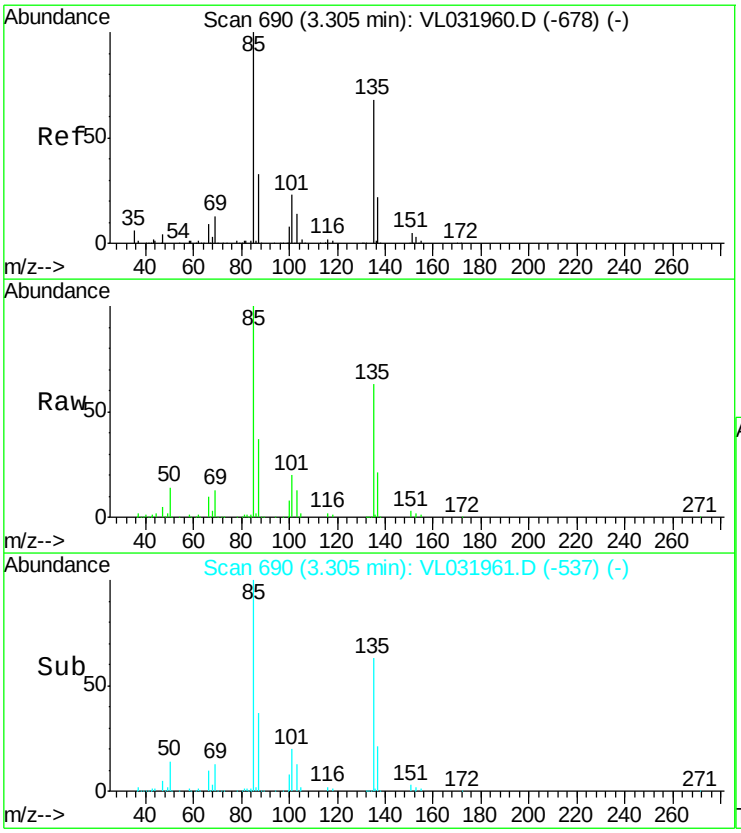
Tgt Ion: 64 Resp: 57608

Ion	Ratio	Lower	Upper
64	100		
66	32.5	23.4	35.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

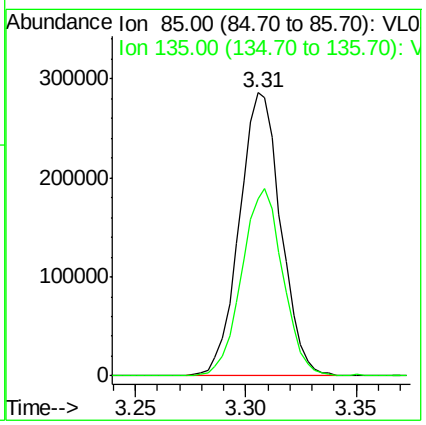
Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

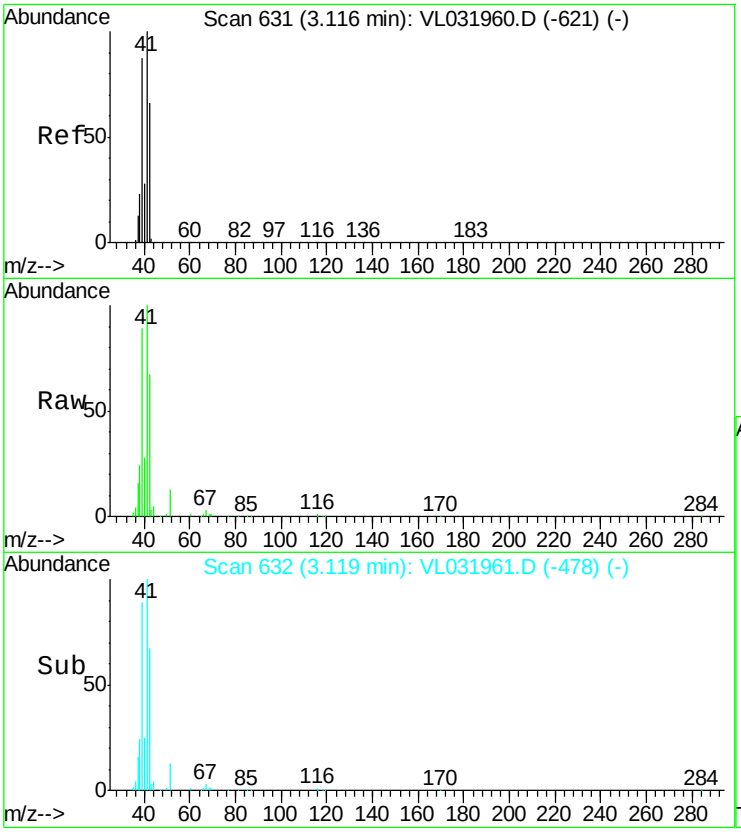


#8
Dichlorotetrafluoroethane
Concen: 1.72 ppbv
RT: 3.31 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 85 Resp: 372830

Ion	Ratio	Lower	Upper
85	100		
135	66.1	52.7	79.1

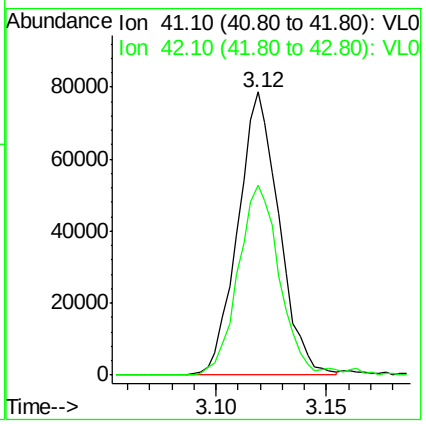




#9
Propene
Concen: 1.98 ppbv
RT: 3.12 min Scan# 632
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

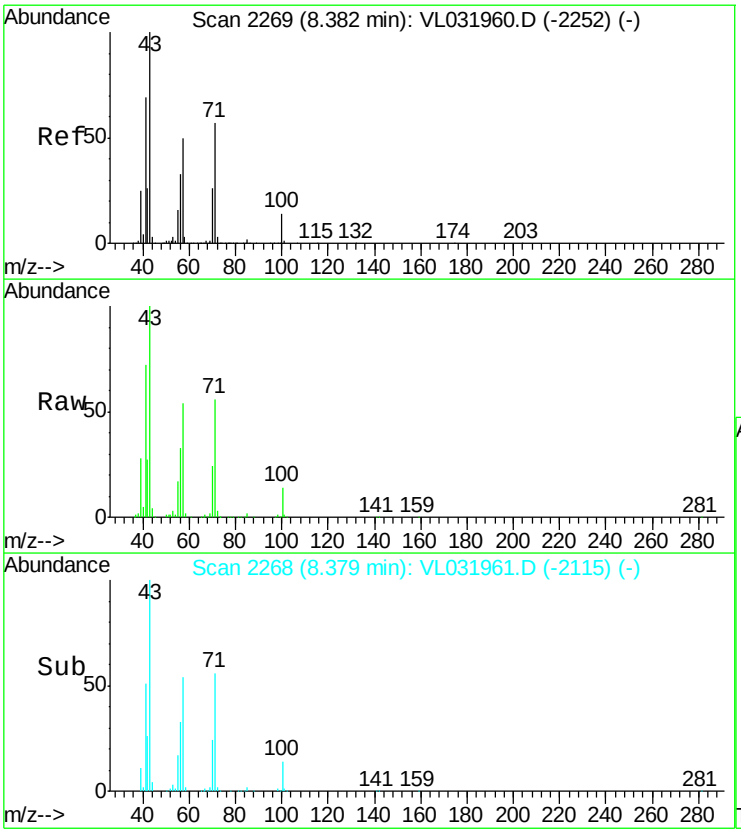
Tgt Ion: 41 Resp: 102231

Ion	Ratio	Lower	Upper
41	100		
42	69.1	55.0	82.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

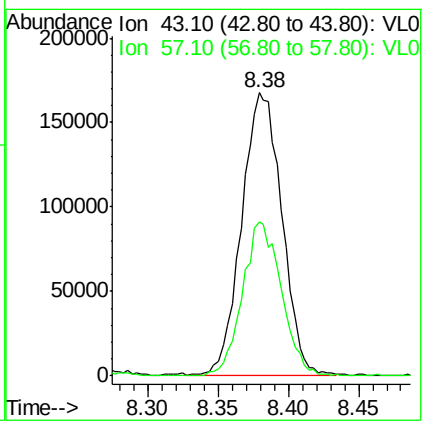
Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

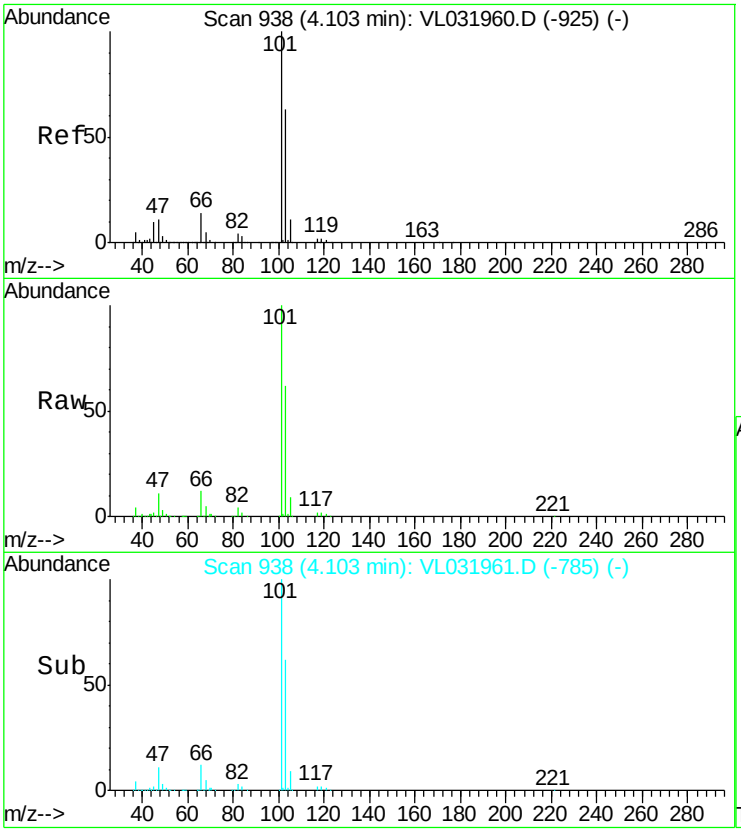


#10
Heptane
Concen: 1.99 ppbv
RT: 8.38 min Scan# 2268
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 333708

Ion	Ratio	Lower	Upper
43	100		
57	52.9	41.5	62.3





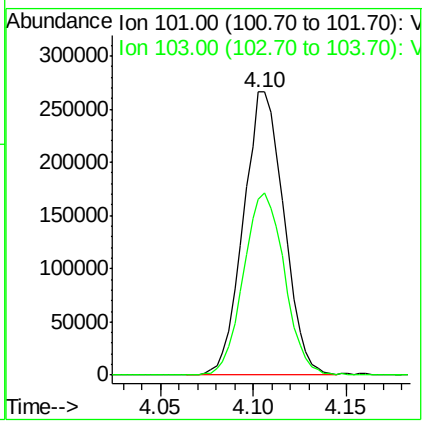
#11
Trichlorofluoromethane
Concen: 1.57 ppbv
RT: 4.10 min Scan# 938
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

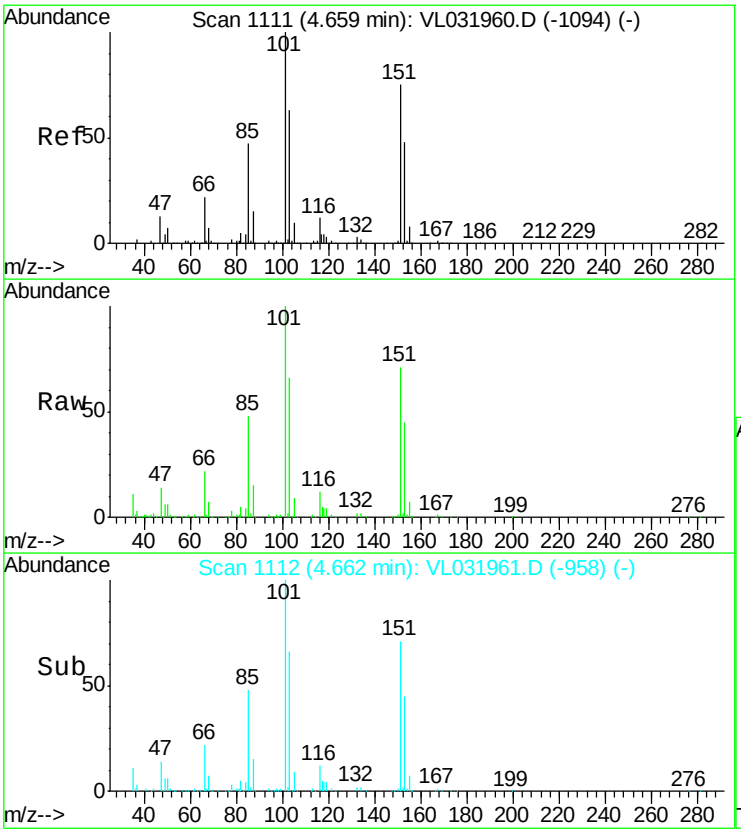
Tgt Ion:101 Resp: 406402

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.8	77.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
MMDadoda
5/4/2018 5:00:55 PM

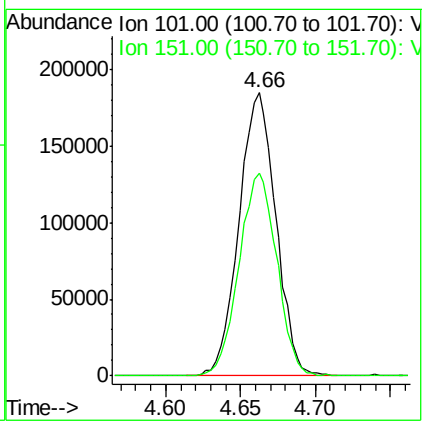


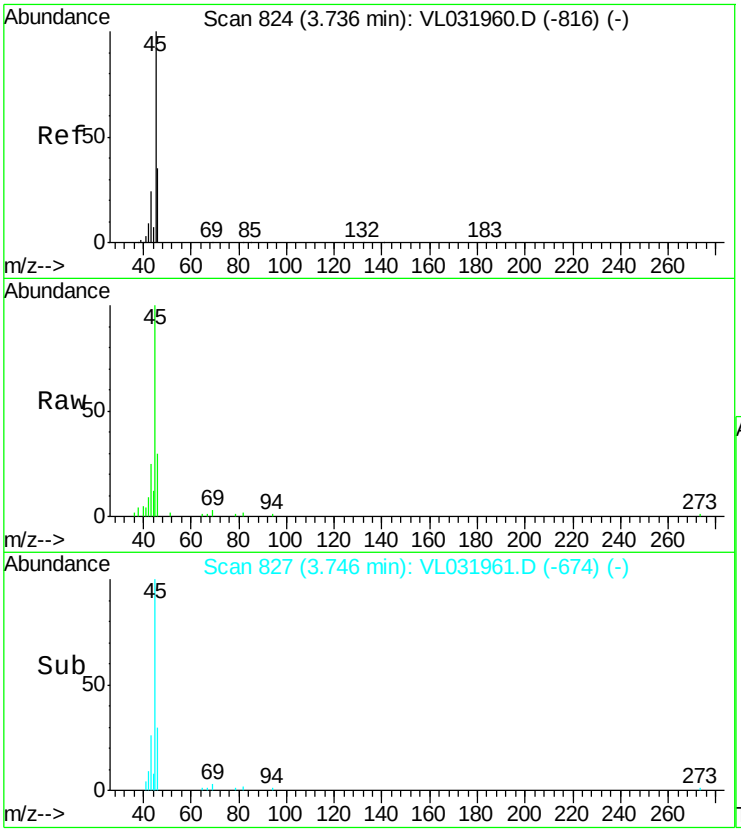


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.88 ppbv
RT: 4.66 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:101 Resp: 316688

Ion	Ratio	Lower	Upper
101	100		
151	73.4	57.0	85.6

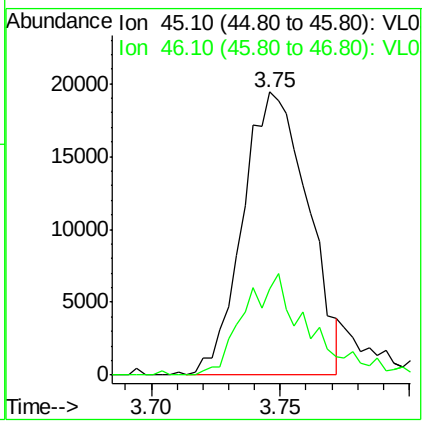




#13
Ethanol
Concen: 1.96 ppbv
RT: 3.75 min Scan# 827
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 45 Resp: 34242

Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.6	58.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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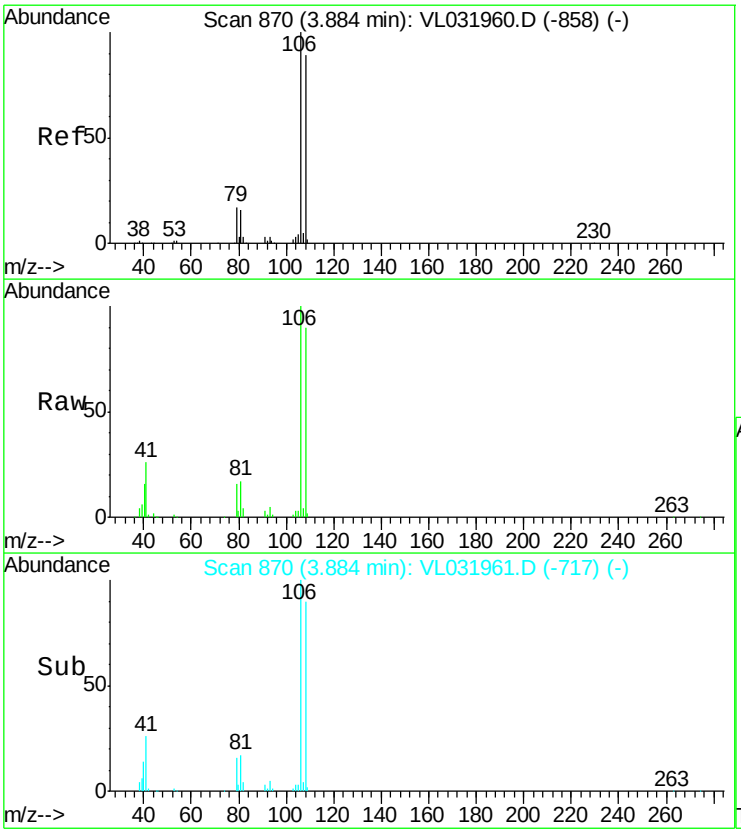
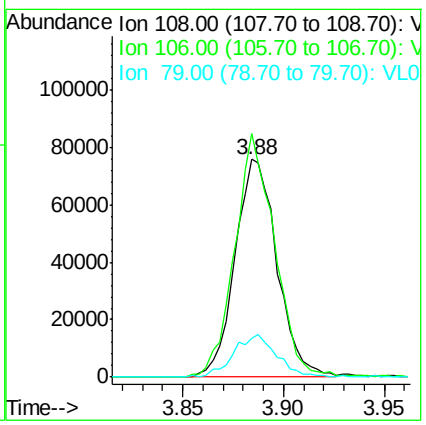
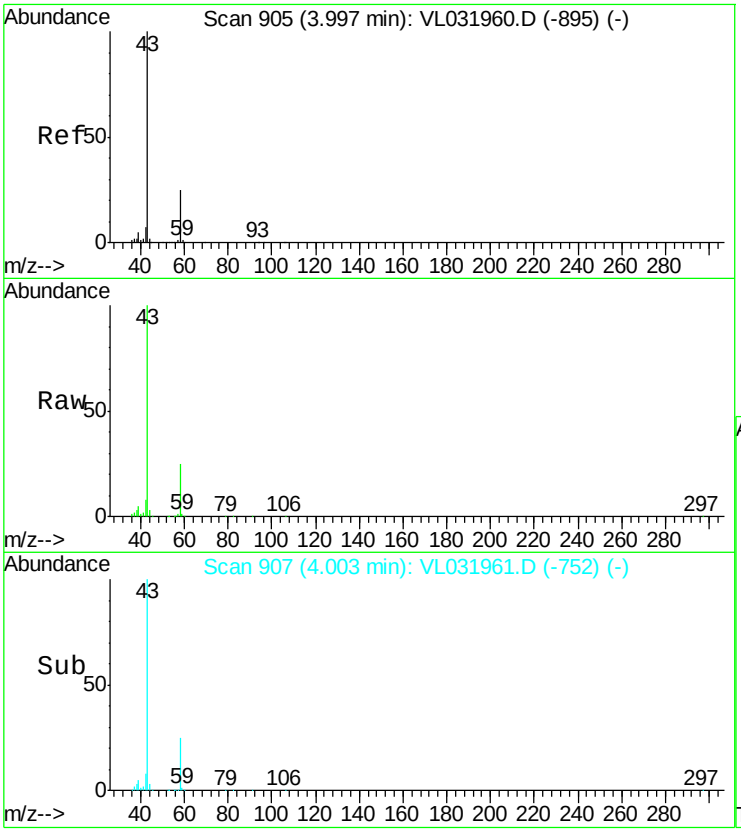


#14
Bromoethene
Concen: 1.74 ppbv
RT: 3.88 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:108 Resp: 110784

Ion	Ratio	Lower	Upper
108	100		
106	106.5	86.6	130.0
79	20.2	15.5	23.3

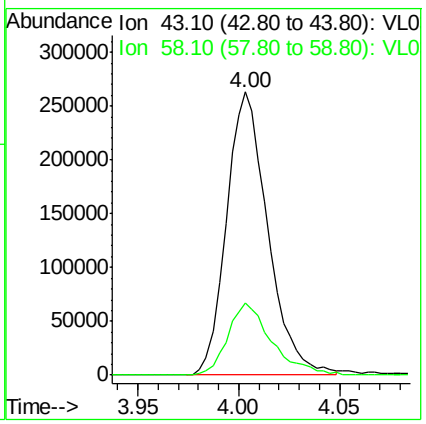




#15
Acetone
Concen: 1.89 ppbv
RT: 4.00 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 373898

Ion	Ratio	Lower	Upper
43	100		
58	27.6	20.9	31.3



Instrument :
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ClientSampleId :
VSTDICC002

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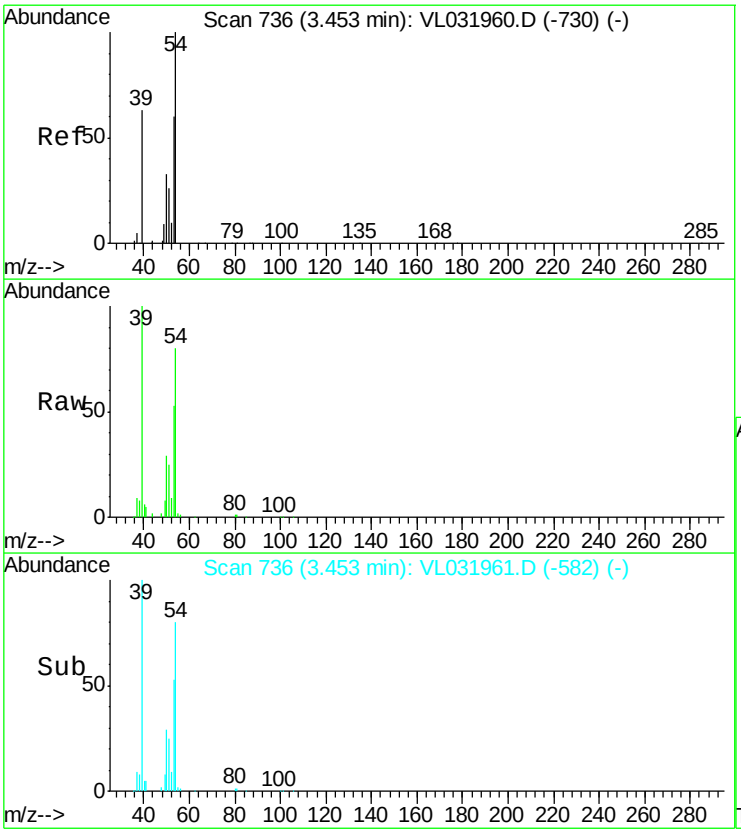
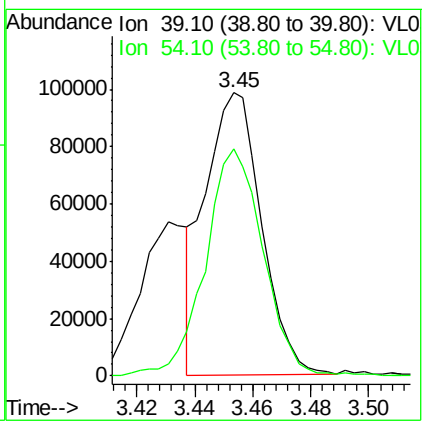
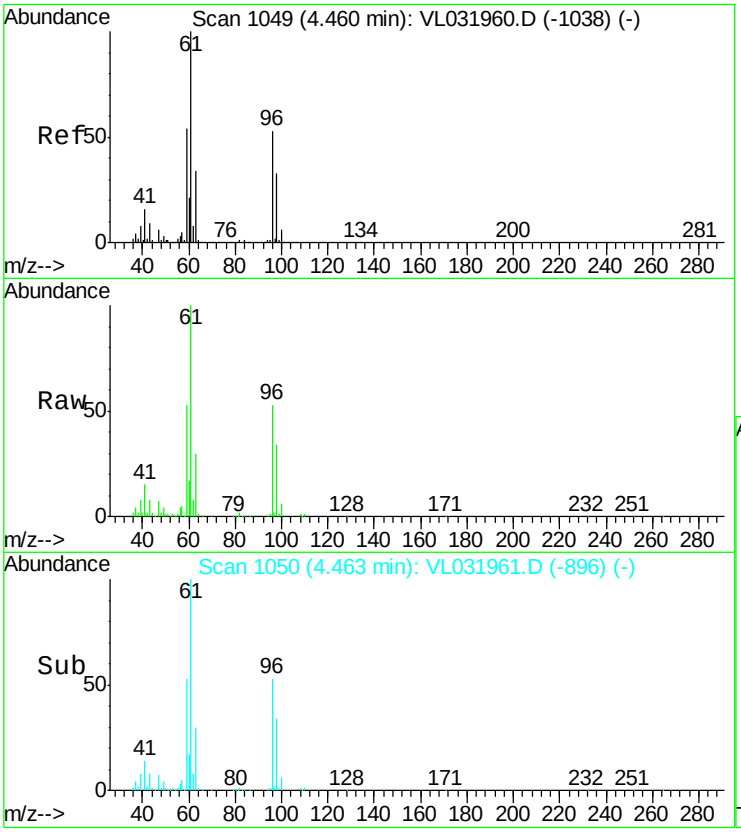


#16
1,3-Butadiene
Concen: 1.81 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 39 Resp: 131926

Ion	Ratio	Lower	Upper
39	100		
54	83.7	63.3	94.9

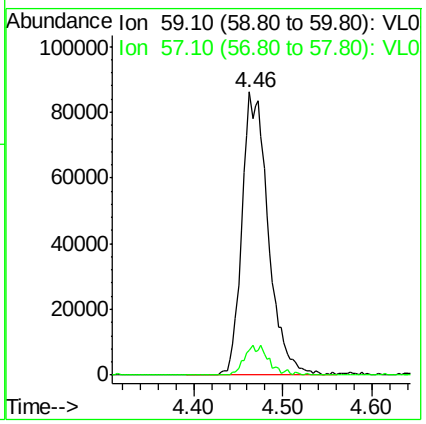




#17
tert-Butyl alcohol
Concen: 2.16 ppbv m
RT: 4.46 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 59 Resp: 176599

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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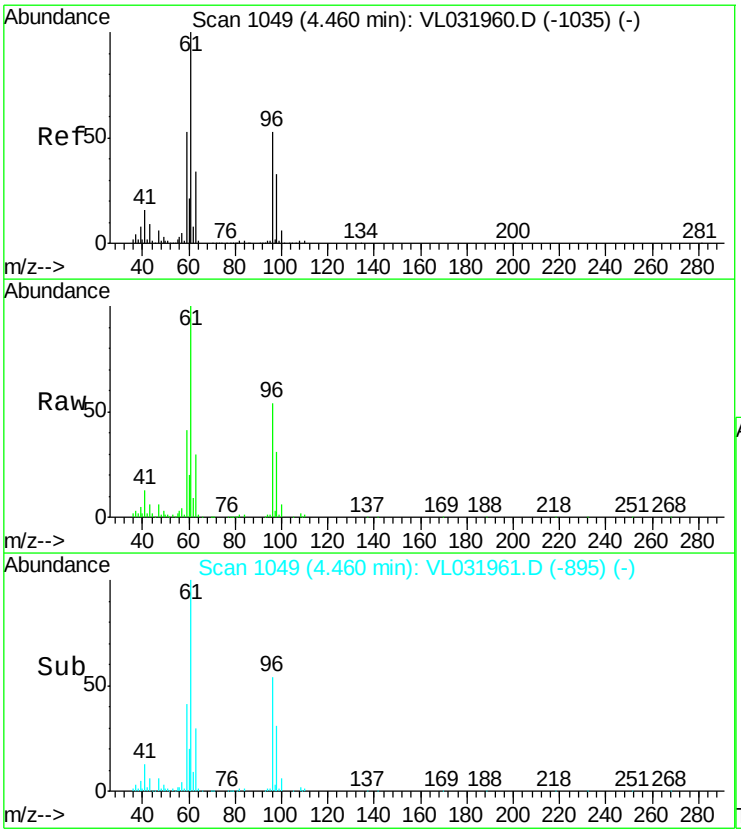
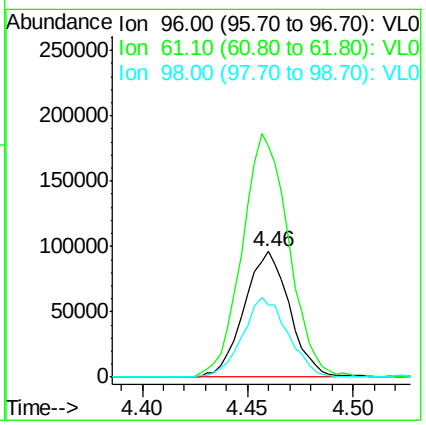
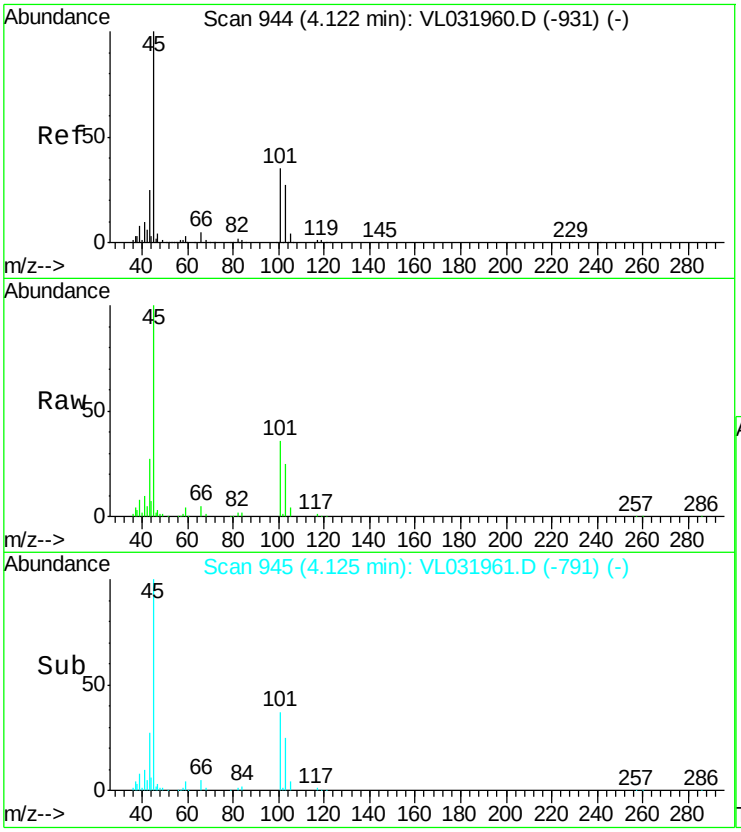


#18
1,1-Dichloroethene
Concen: 1.99 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 96 Resp: 144289

Ion	Ratio	Lower	Upper
96	100		
61	183.9	161.0	241.6
98	57.5	52.7	79.1

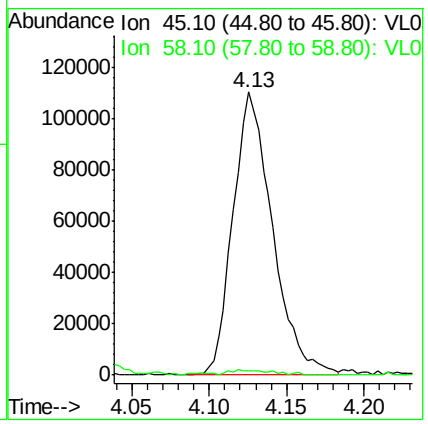




#19
Isopropyl Alcohol
Concen: 1.78 ppbv
RT: 4.13 min Scan# 945
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 45 Resp: 195889

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.7	2.5



Instrument :
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ClientSampleId :
VSTDICC002

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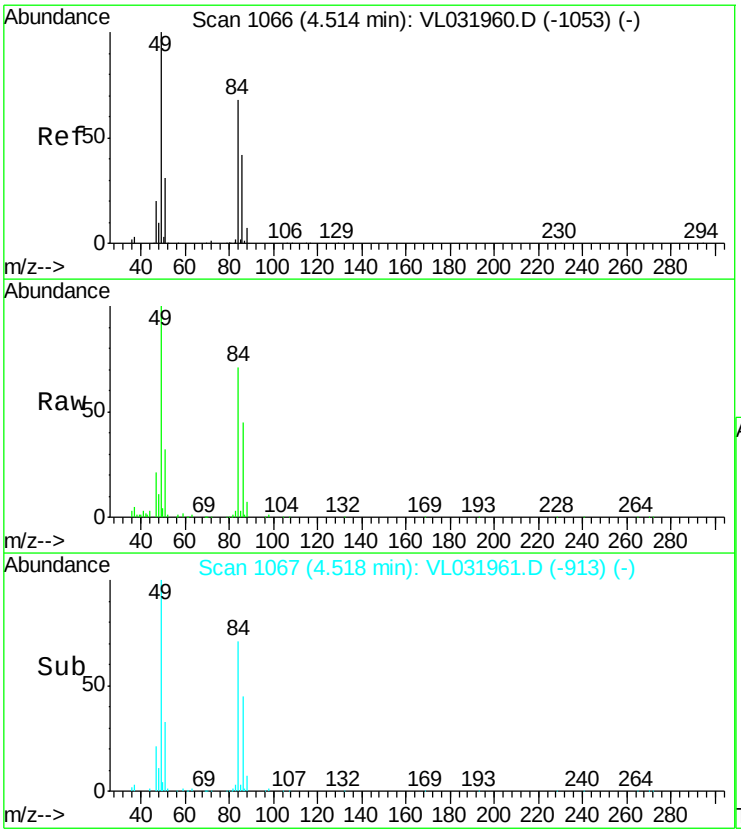
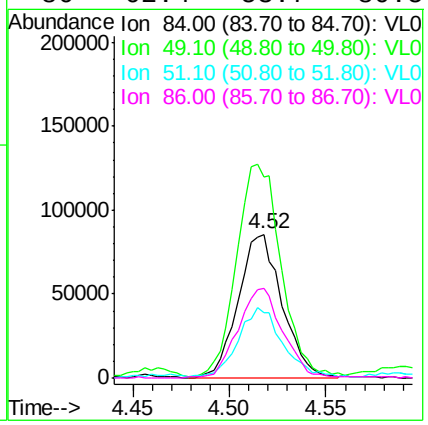
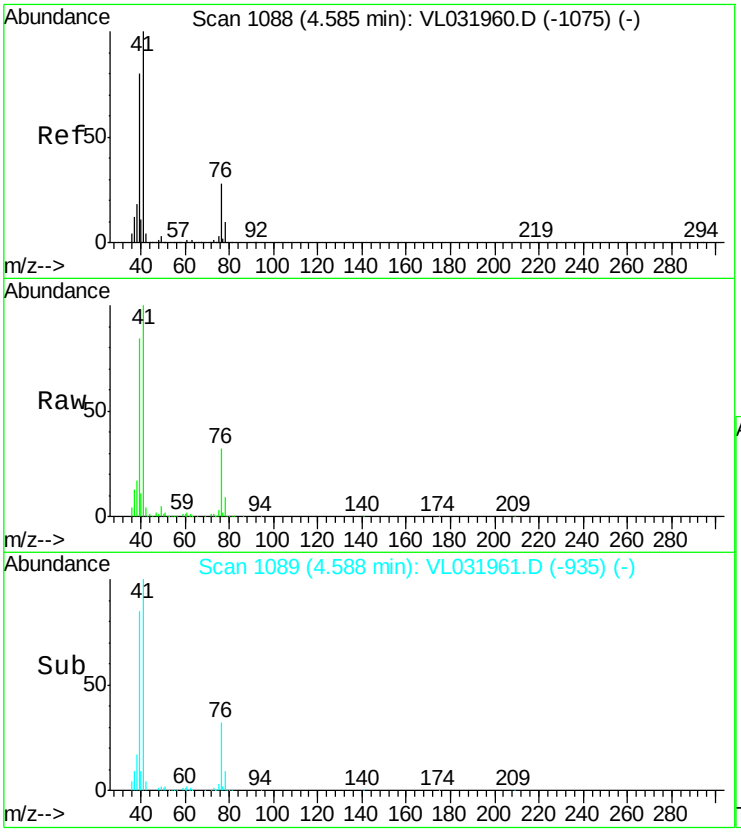


#20
Methylene Chloride
Concen: 1.86 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 84 Resp: 133928

Ion	Ratio	Lower	Upper
84	100		
49	139.2	125.6	188.4
51	44.6	36.4	54.6
86	62.4	53.7	80.5

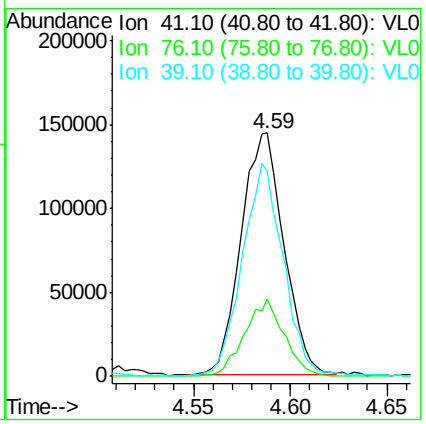




#21
Allvl Chloride
Concen: 1.98 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 41 Resp: 222971

Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.4	35.2
39	84.9	67.6	101.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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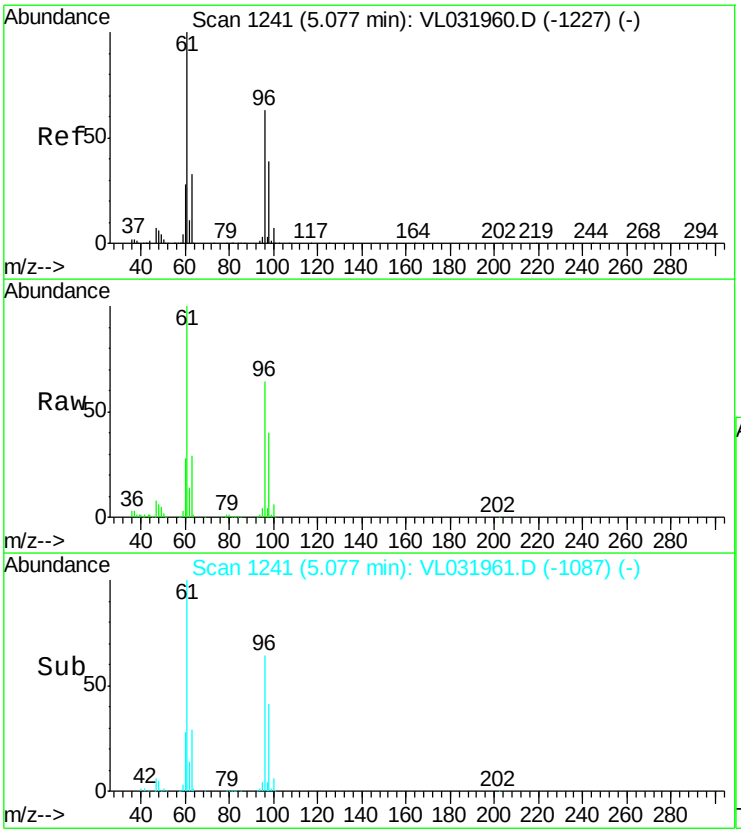
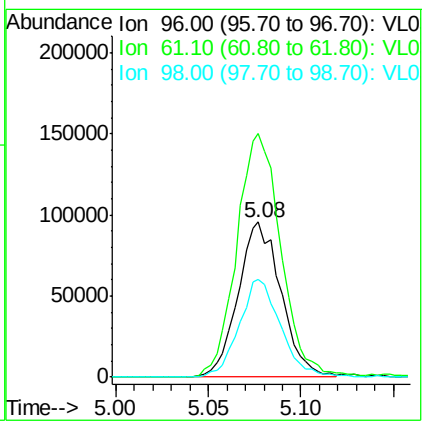
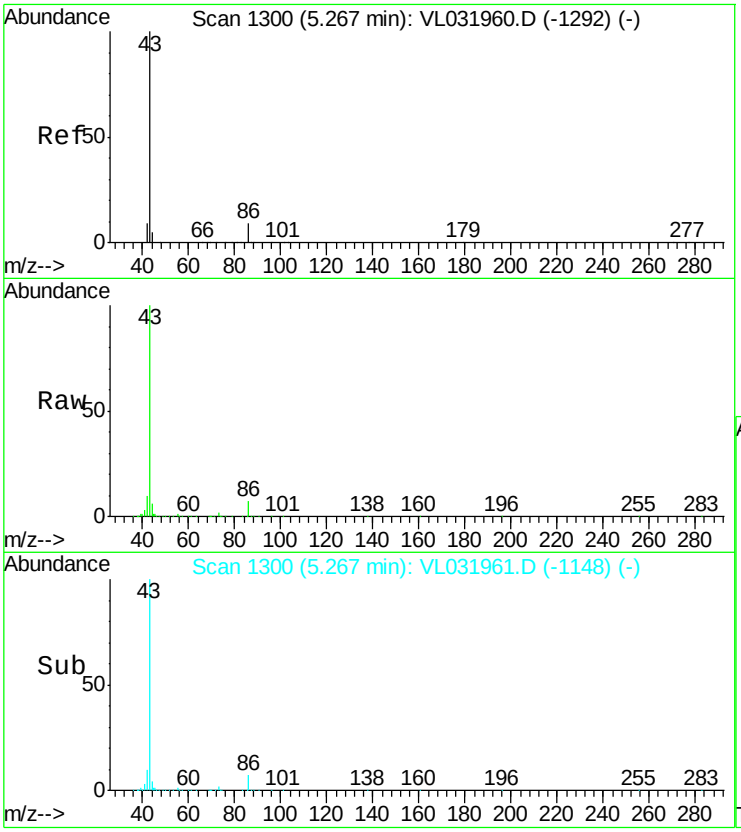


#22
trans-1,2-Dichloroethene
Concen: 2.05 ppbv
RT: 5.08 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 96 Resp: 153671

Ion	Ratio	Lower	Upper
96	100		
61	157.2	131.1	196.7
98	63.0	47.6	71.4

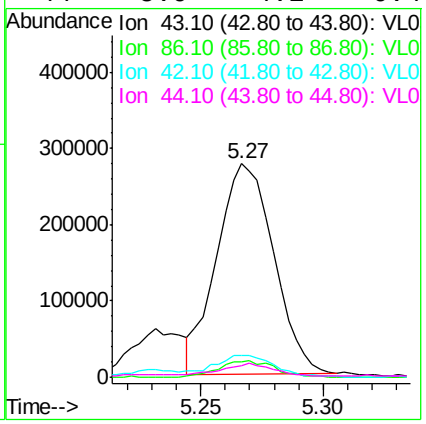




#23
Vinyl Acetate
Concen: 2.24 ppbv
RT: 5.27 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 449392

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	9.8	8.5	12.7
44	5.9	4.2	6.4



Instrument :
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ClientSampleId :
VSTDICC002

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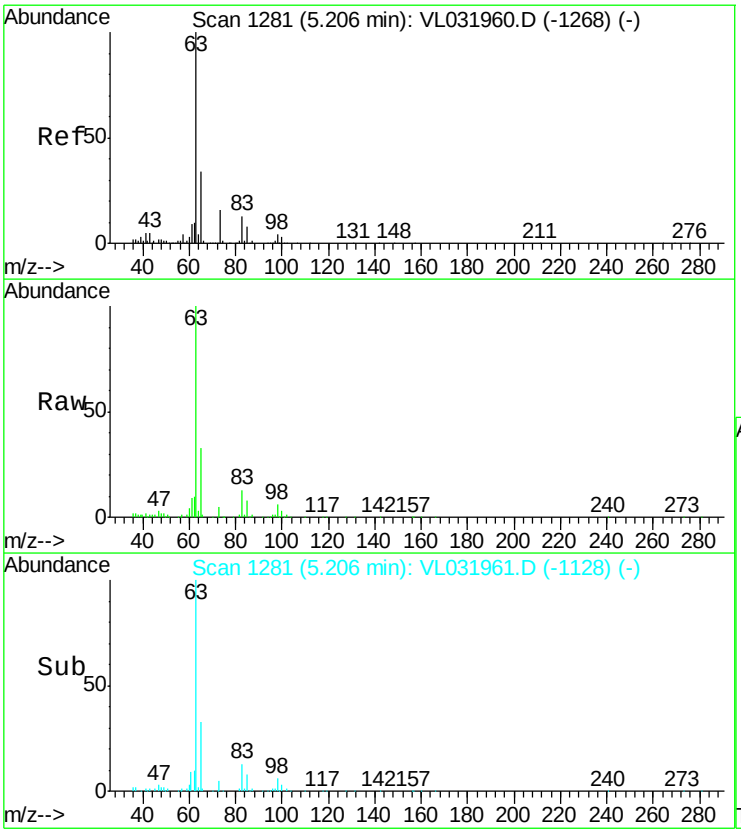
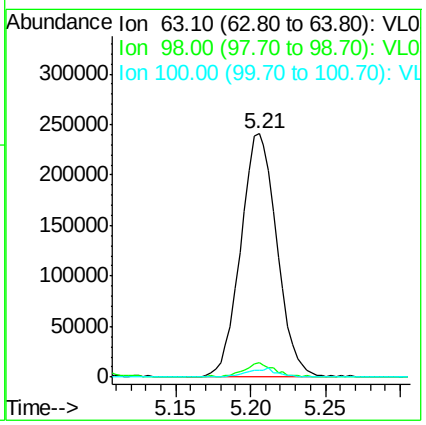
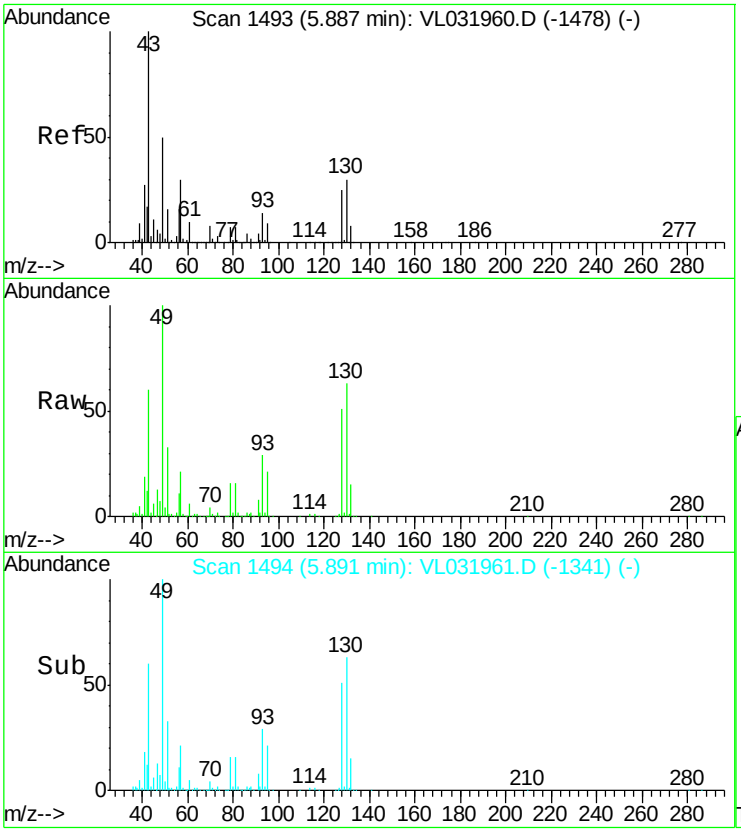


#24
1,1-Dichloroethane
Concen: 2.03 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 63 Resp: 405675

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.4	7.2
100	2.9	1.5	4.4

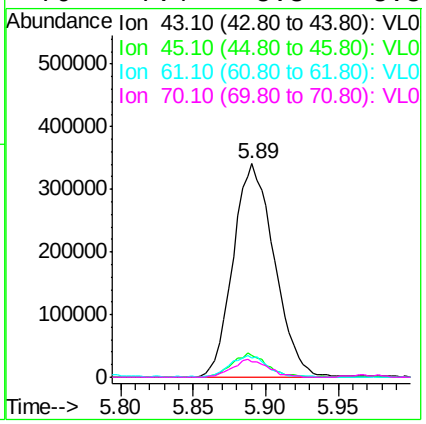




#25
Ethyl Acetate
Concen: 2.18 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 670922

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.5	7.2	10.8
70	7.4	5.8	8.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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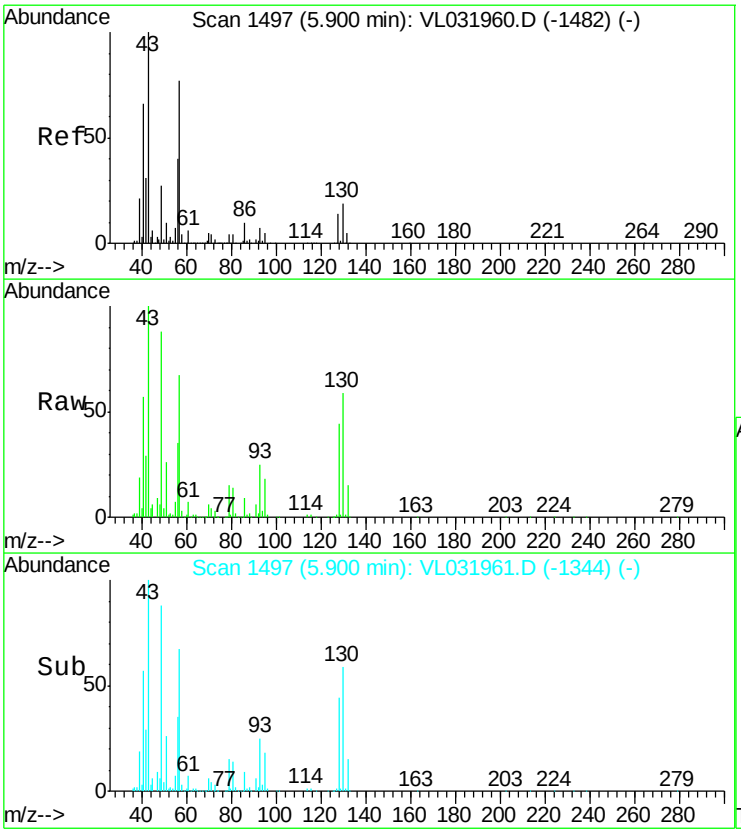
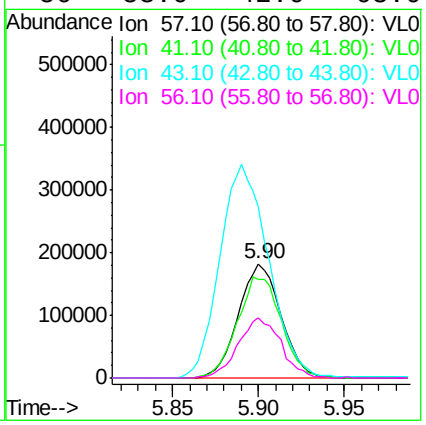
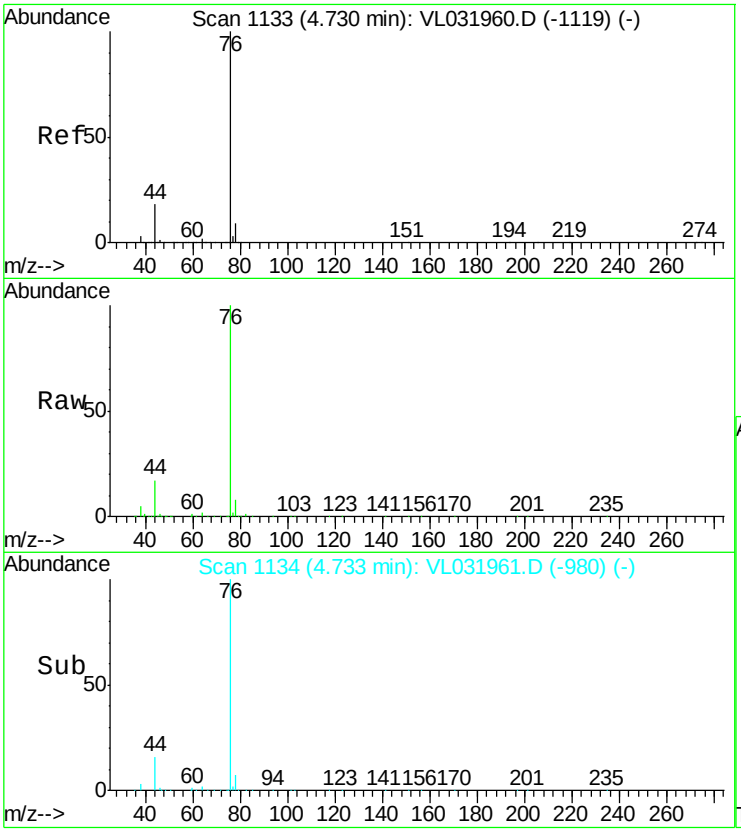


#26
Hexane
Concen: 2.18 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 57 Resp: 313089

Ion	Ratio	Lower	Upper
57	100		
41	93.0	72.0	108.0
43	216.9	169.8	254.8
56	53.0	42.0	63.0

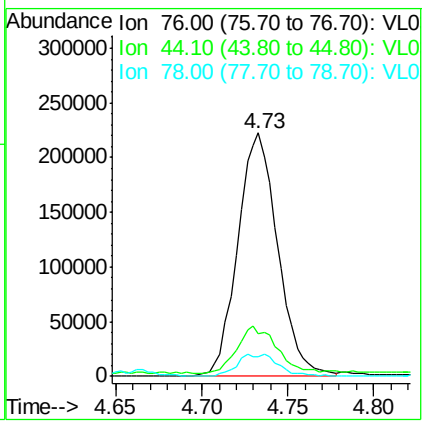




#27
Carbon Disulfide
Concen: 1.92 ppbv
RT: 4.73 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 76 Resp: 358804

Ion	Ratio	Lower	Upper
76	100		
44	23.5	15.6	23.4#
78	9.6	7.6	11.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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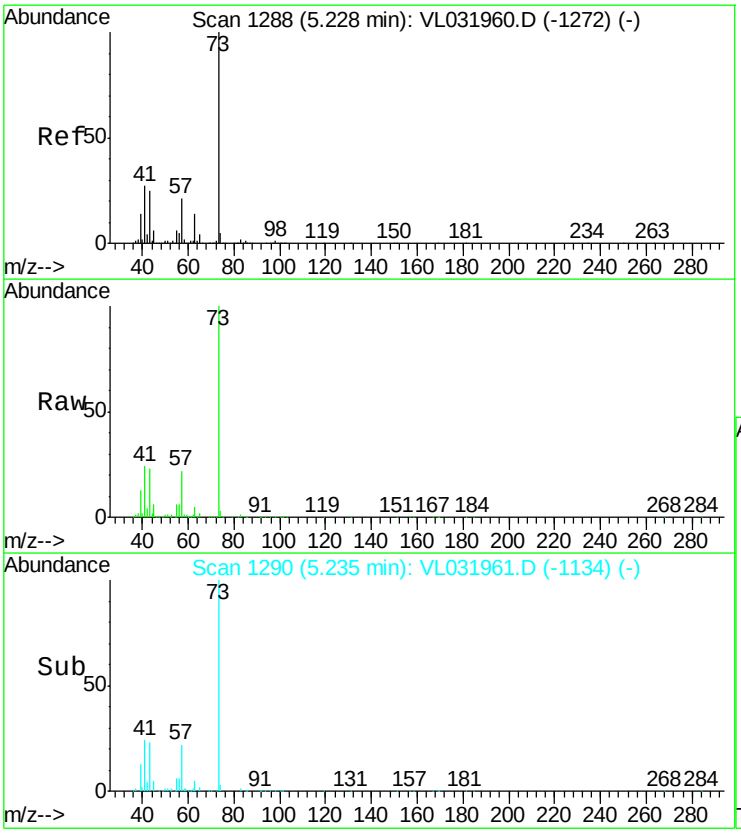
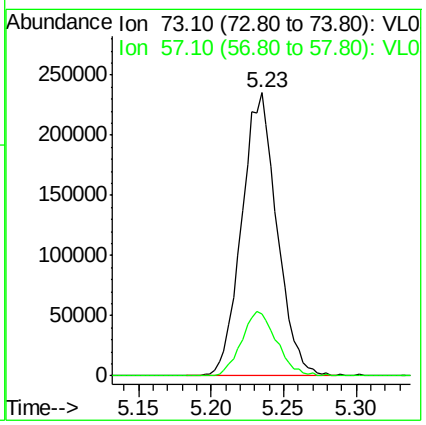
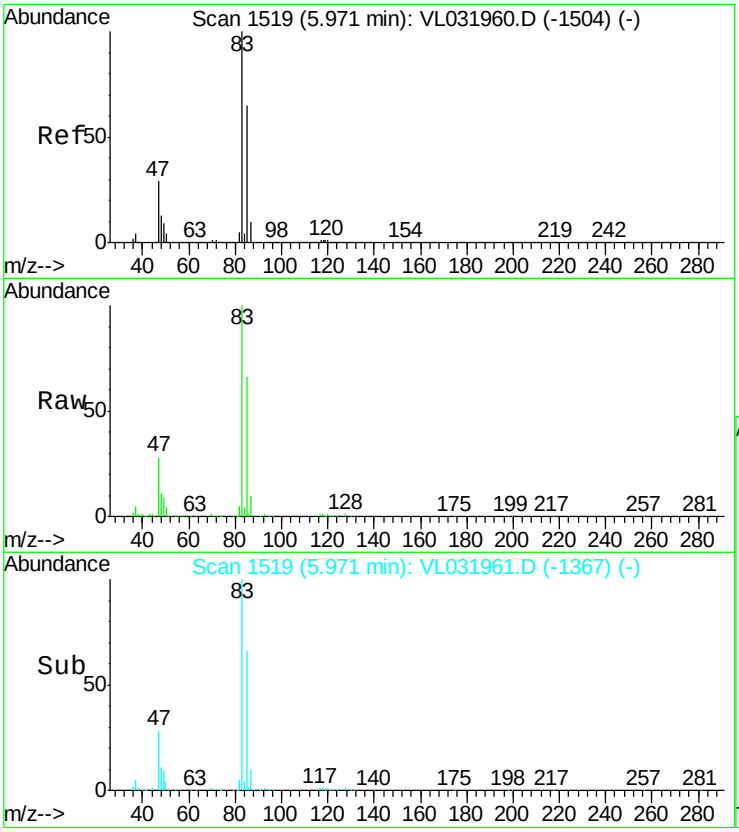


#28
Methyl tert-Butyl Ether
Concen: 2.25 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 73 Resp: 397977

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.6	26.4

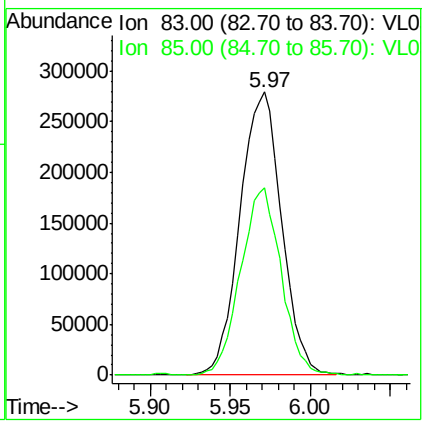




#29
Chloroform
Concen: 2.04 ppbv
RT: 5.97 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 83 Resp: 497350

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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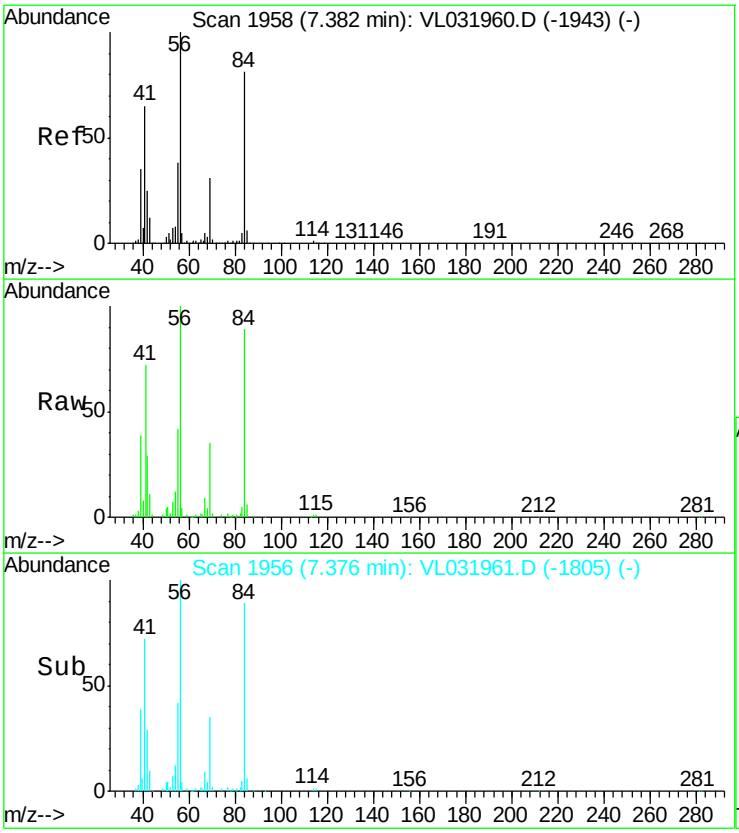
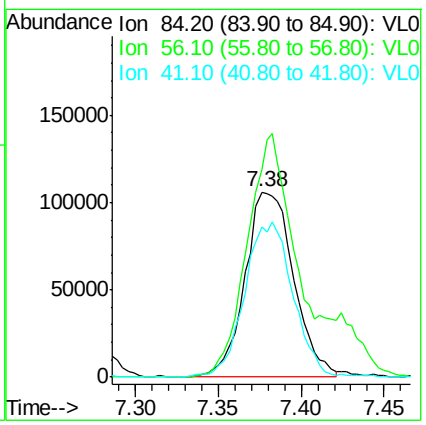
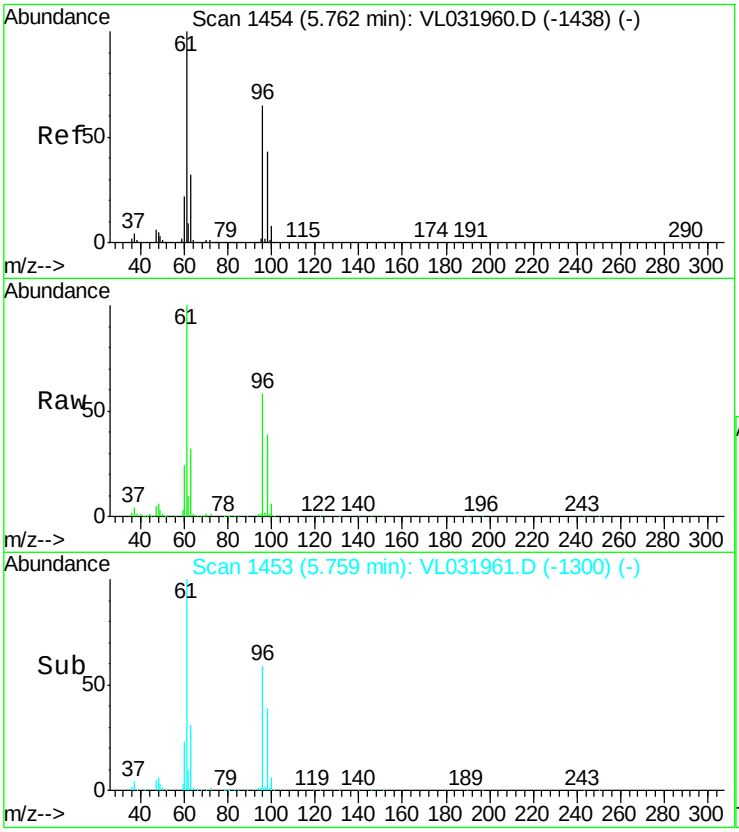


#30
Cyclohexane
Concen: 2.10 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 84 Resp: 215721

Ion	Ratio	Lower	Upper
84	100		
56	152.0	107.7	161.5
41	83.7	68.2	102.2

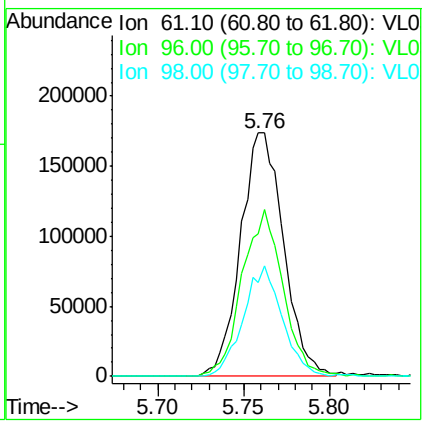




#31
cis-1,2-Dichloroethene
Concen: 2.32 ppbv
RT: 5.76 min Scan# 1453
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 61 Resp: 301245

Ion	Ratio	Lower	Upper
61	100		
96	58.3	47.6	71.4
98	38.7	30.3	45.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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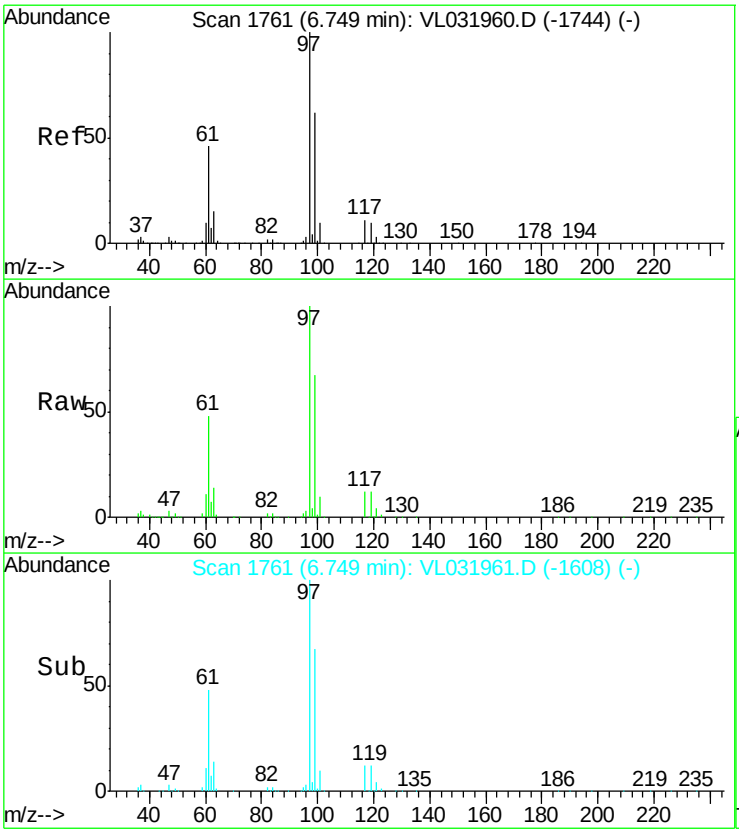
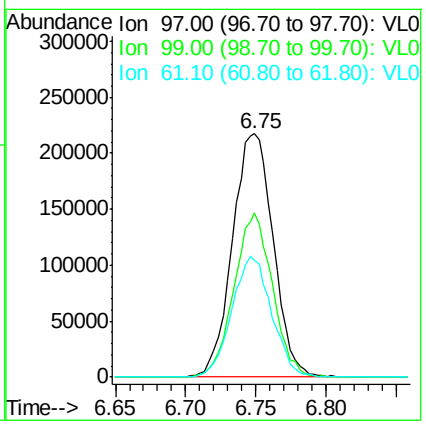
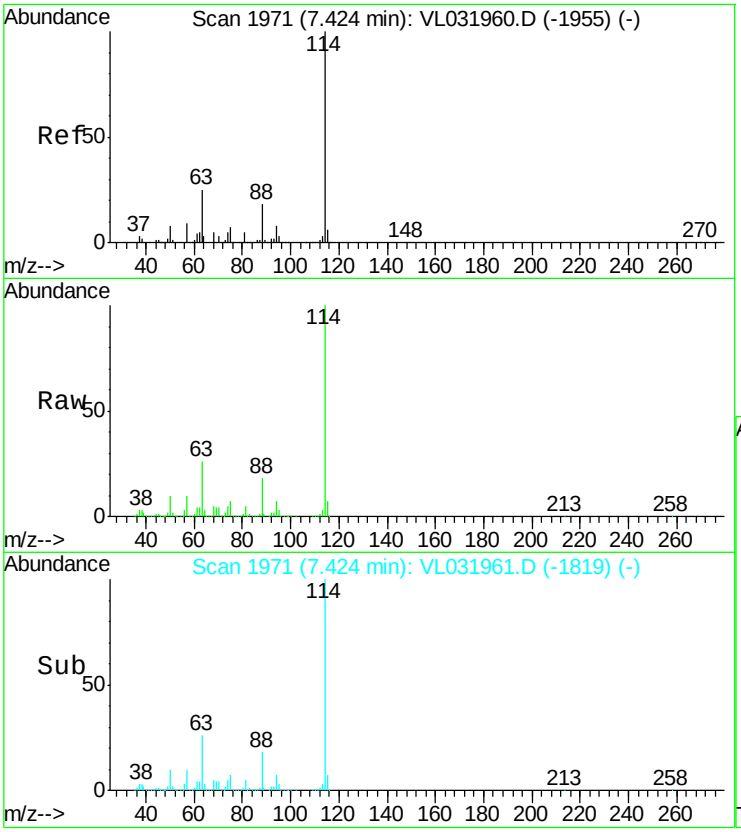


#32
1,1,1-Trichloroethane
Concen: 1.86 ppbv
RT: 6.75 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 97 Resp: 440651

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	48.5	40.0	60.0

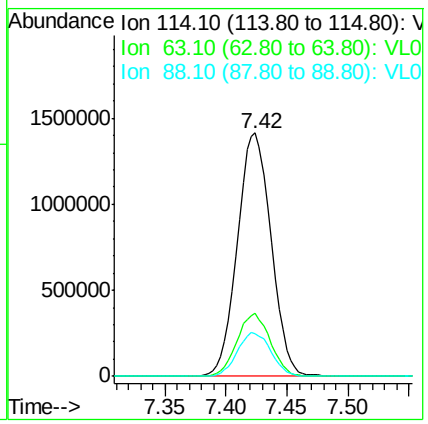




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:114 Resp: 2694093

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.8	32.6
88	18.1	14.6	22.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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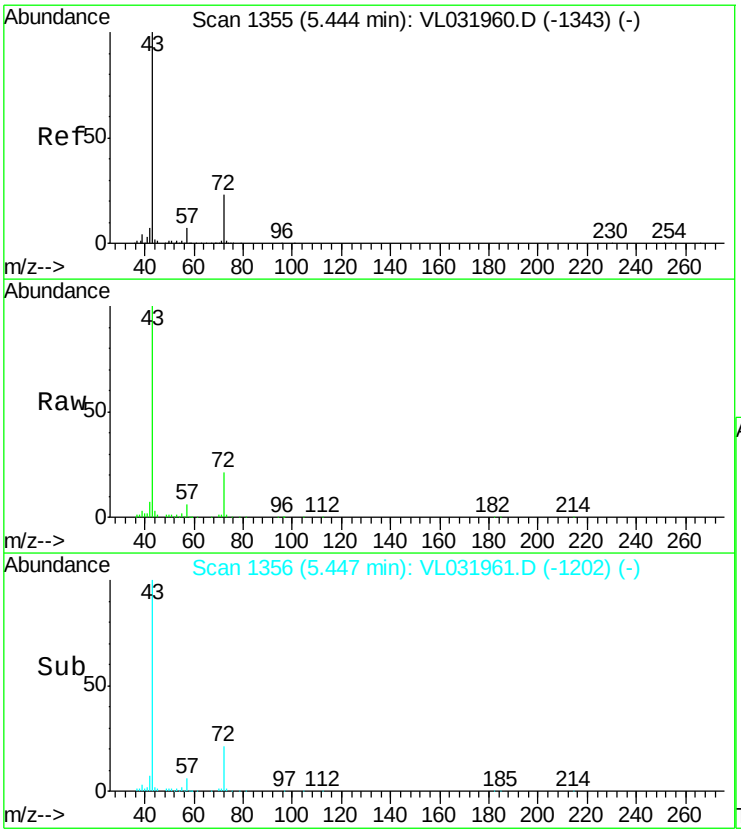
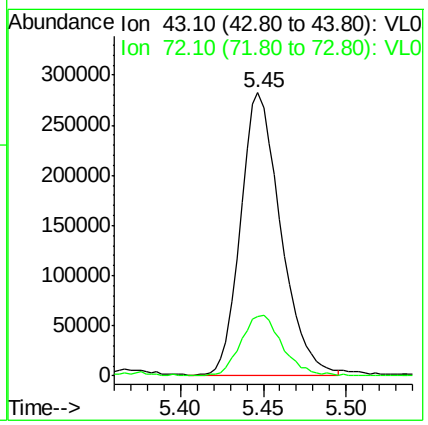
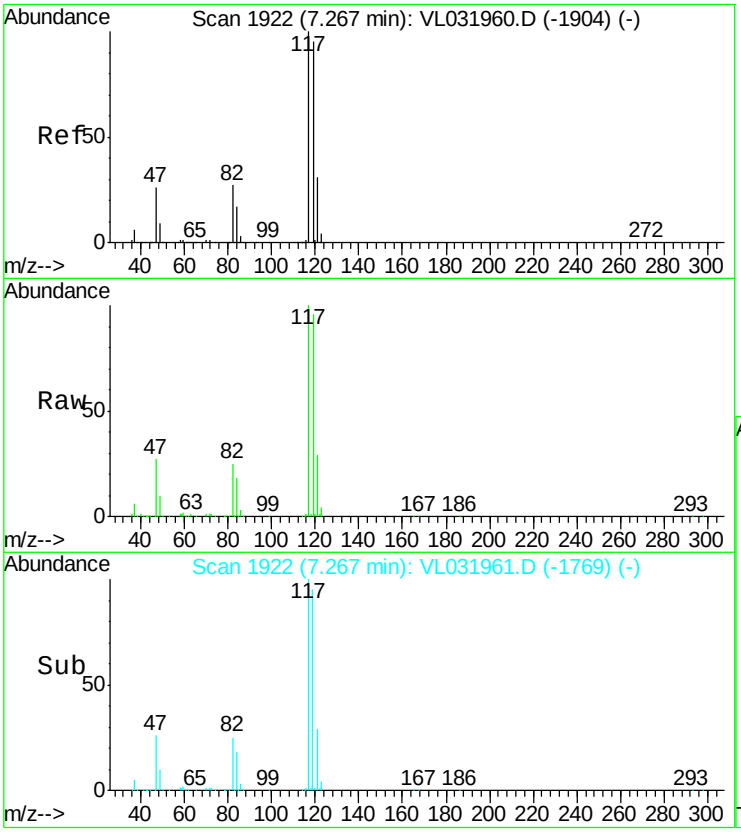


#34
2-Butanone
Concen: 2.53 ppbv
RT: 5.45 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 473429

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	27.8

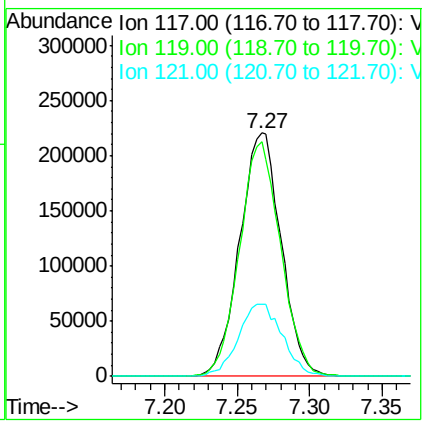




#35
Carbon Tetrachloride
Concen: 1.88 ppbv
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:117 Resp: 439640

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	29.3	24.5	36.7



Instrument :
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ClientSampleId :
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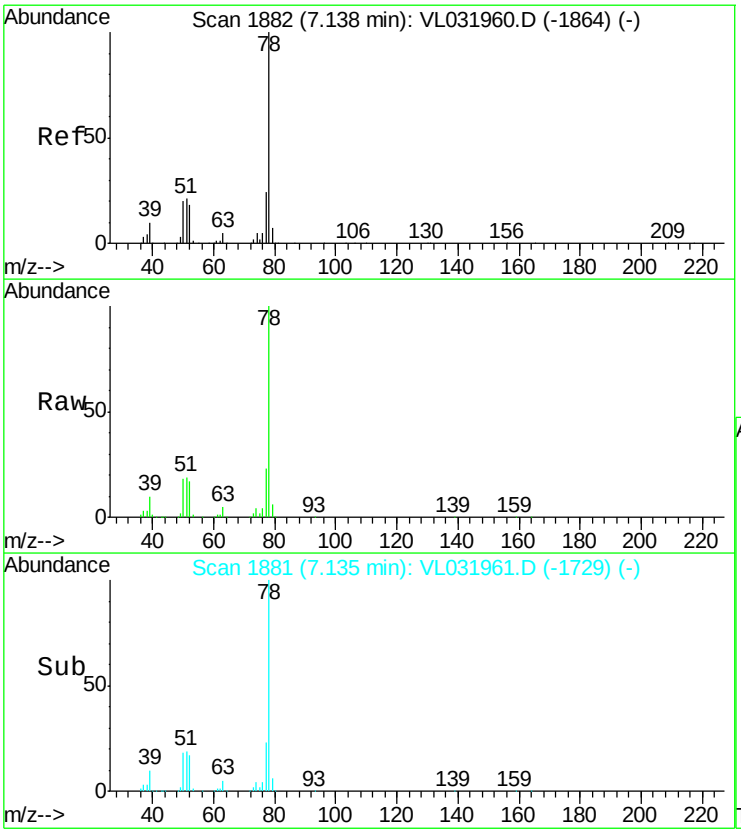
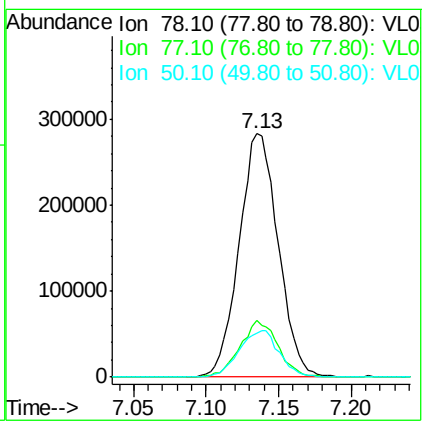
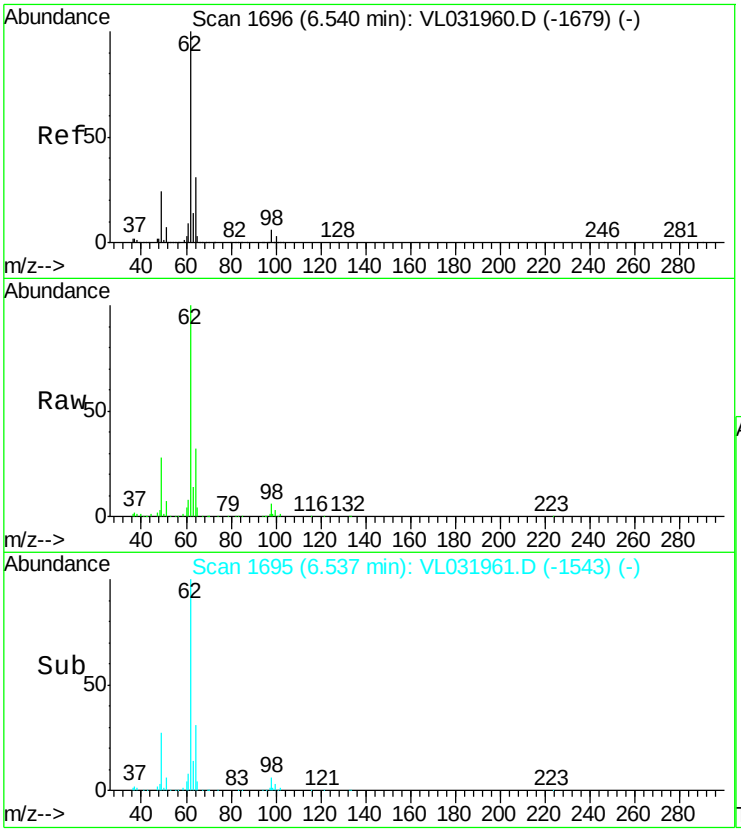


#36
Benzene
Concen: 2.19 ppbv
RT: 7.13 min Scan# 1881
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 78 Resp: 531413

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
50	18.1	16.7	25.1

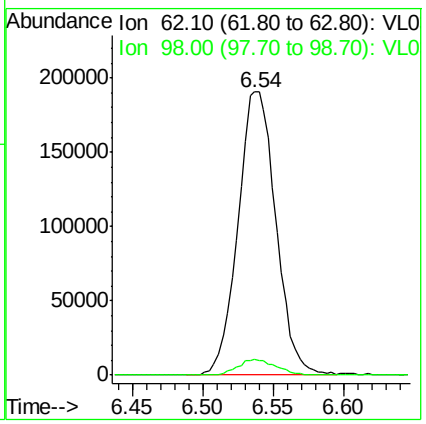




#37
1,2-Dichloroethane
Concen: 1.99 ppbv
RT: 6.54 min Scan# 1695
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 62 Resp: 359185

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.0	6.0



Instrument :
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ClientSampleId :
VSTDICC002

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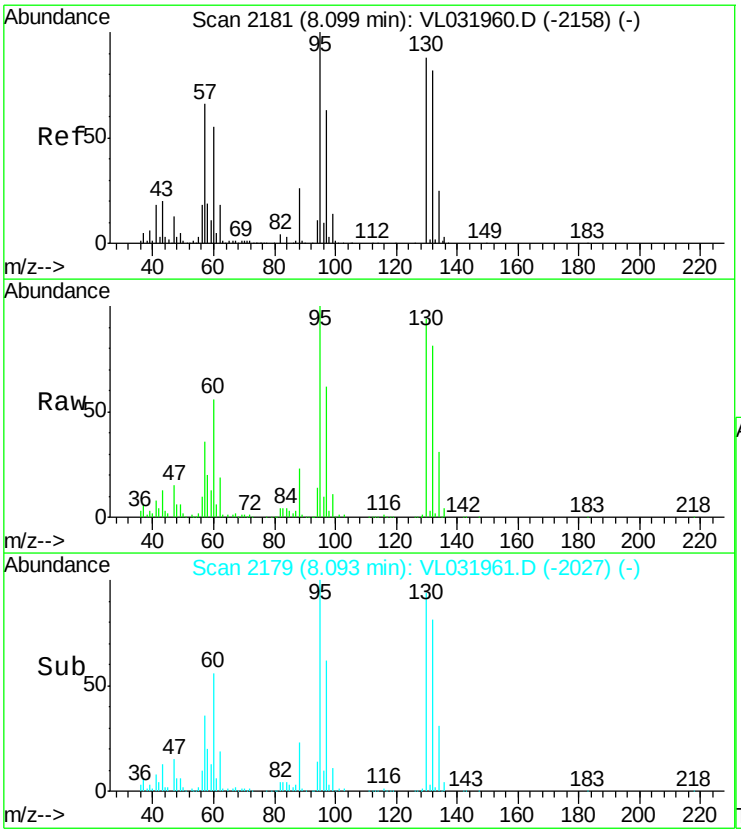
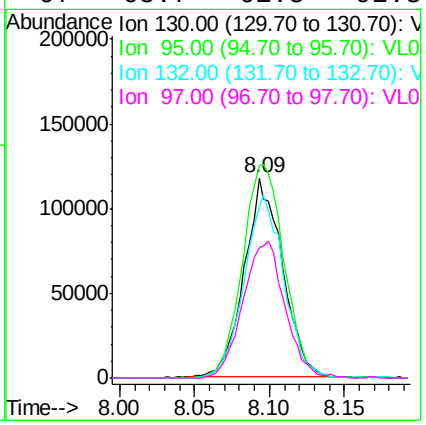
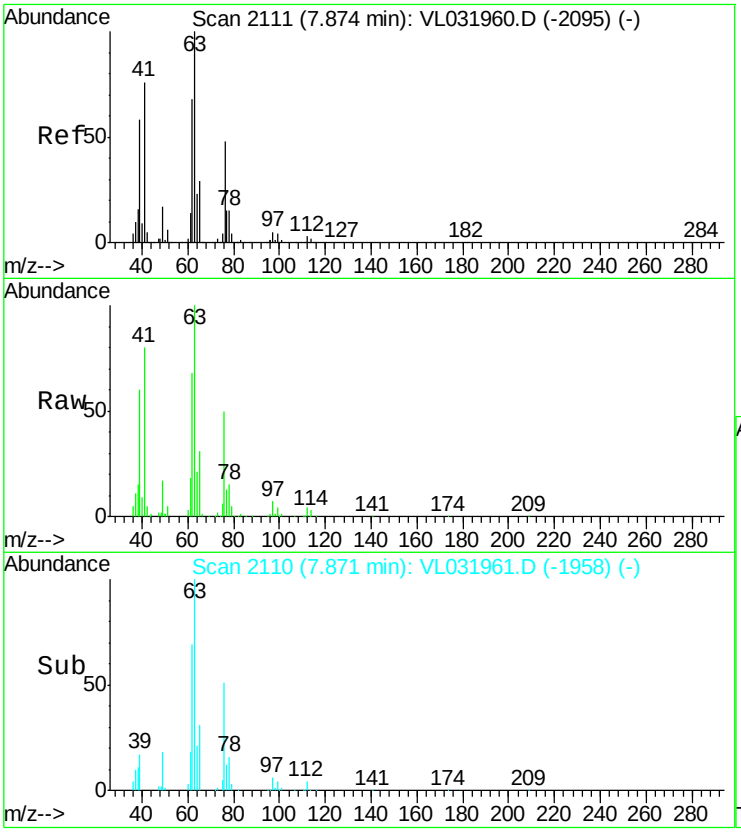


#38
Trichloroethene
Concen: 2.13 ppbv
RT: 8.09 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:130 Resp: 209689

Ion	Ratio	Lower	Upper
130	100		
95	106.3	96.6	144.8
132	85.7	79.1	118.7
97	65.7	61.5	92.3

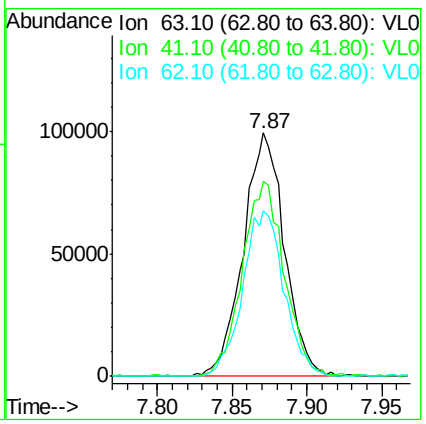




#39
1,2-Dichloropropane
Concen: 2.09 ppbv
RT: 7.87 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 63 Resp: 188639

Ion	Ratio	Lower	Upper
63	100		
41	80.1	65.8	98.6
62	67.9	55.0	82.6



Instrument :
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ClientSampleId :
VSTDICC002

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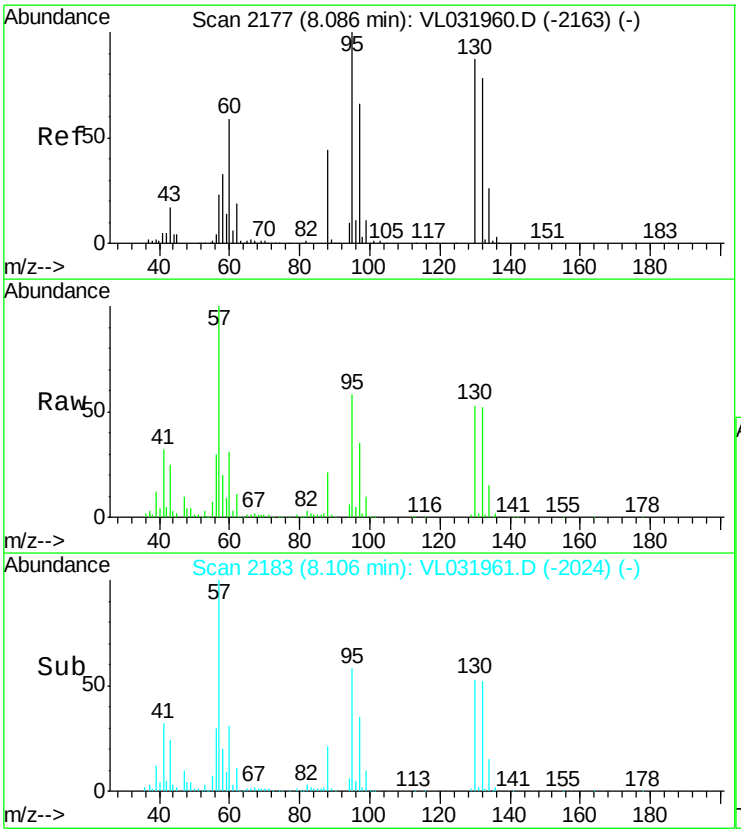
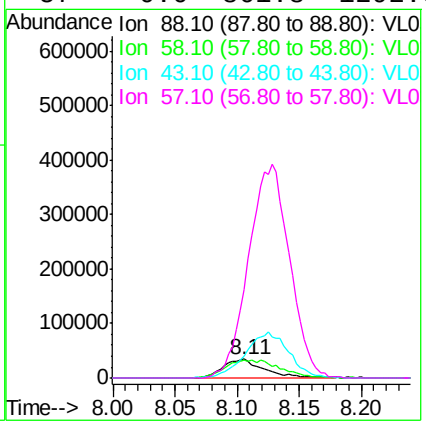
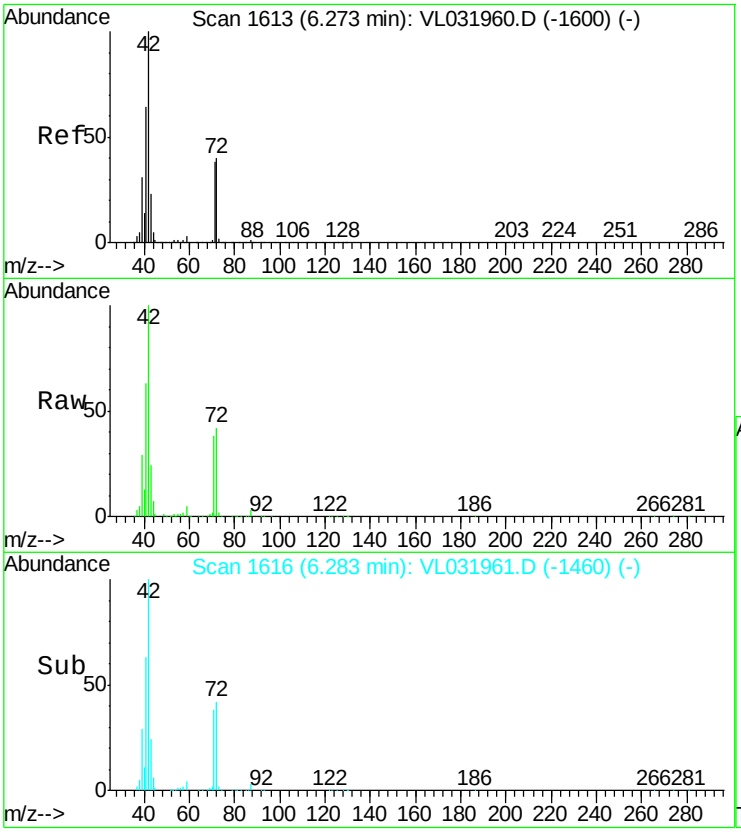


#40
1,4-Dioxane
Concen: 2.25 ppbv m
RT: 8.11 min Scan# 2183
Delta R.T. 0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 88 Resp: 82232

Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.5	147.7#
43	0.0	194.3	291.5#
57	0.0	861.8	1292.6#

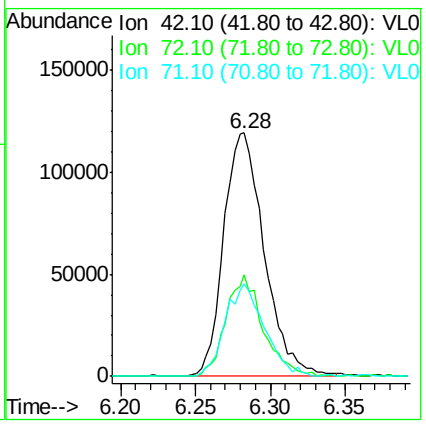




#41
Tetrahydrofuran
Concen: 2.60 ppbv
RT: 6.28 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 42 Resp: 224984

Ion	Ratio	Lower	Upper
42	100		
72	38.4	33.2	49.8
71	37.2	31.5	47.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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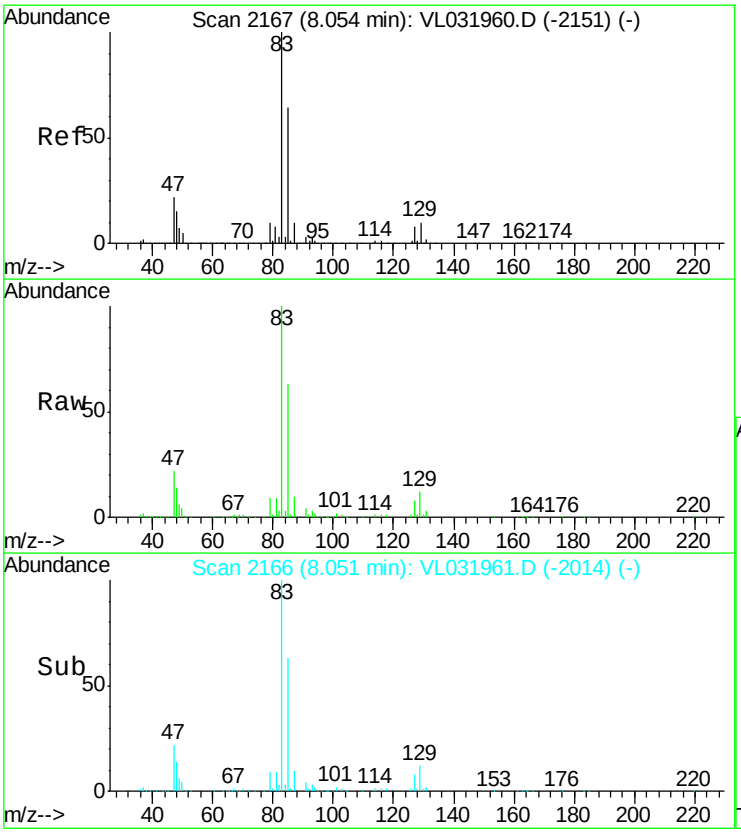
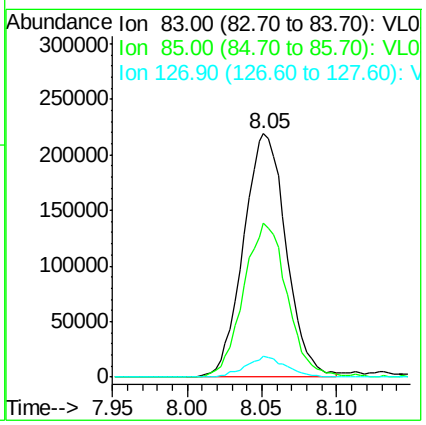
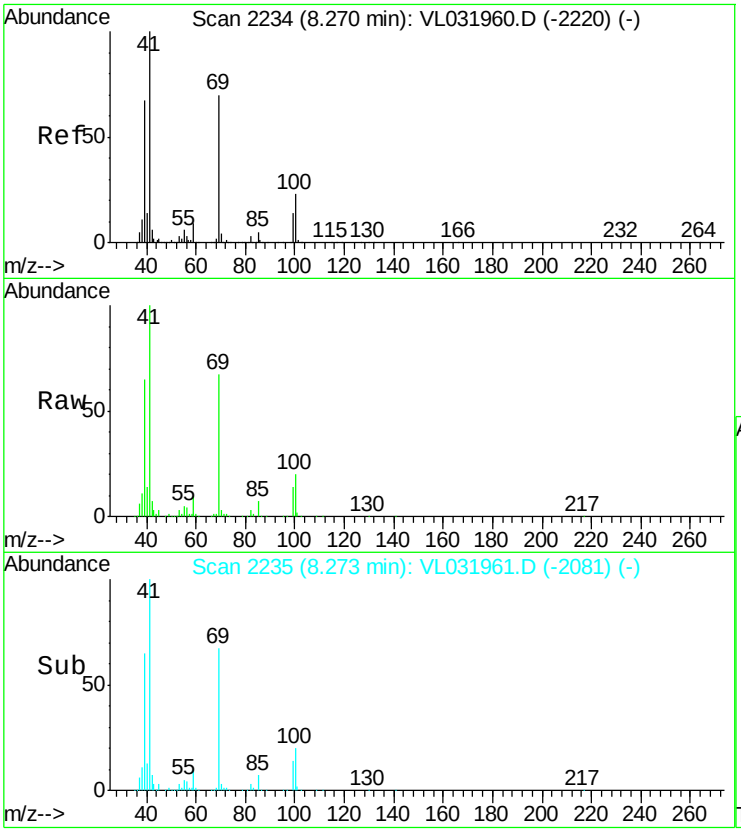


#42
Bromodichloromethane
Concen: 2.02 ppbv
RT: 8.05 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 83 Resp: 434751

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	8.5	6.0	9.0

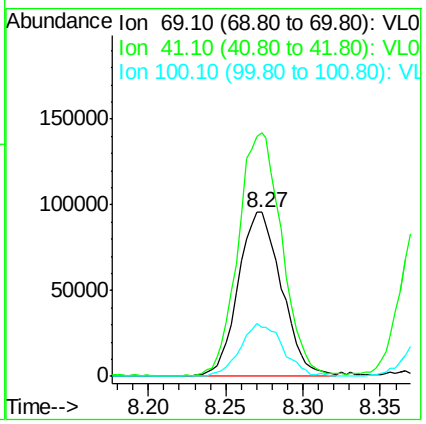




#43
Methyl Methacrylate
Concen: 2.19 ppbv
RT: 8.27 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 69 Resp: 186772

Ion	Ratio	Lower	Upper
69	100		
41	149.5	117.8	176.8
100	31.7	24.6	37.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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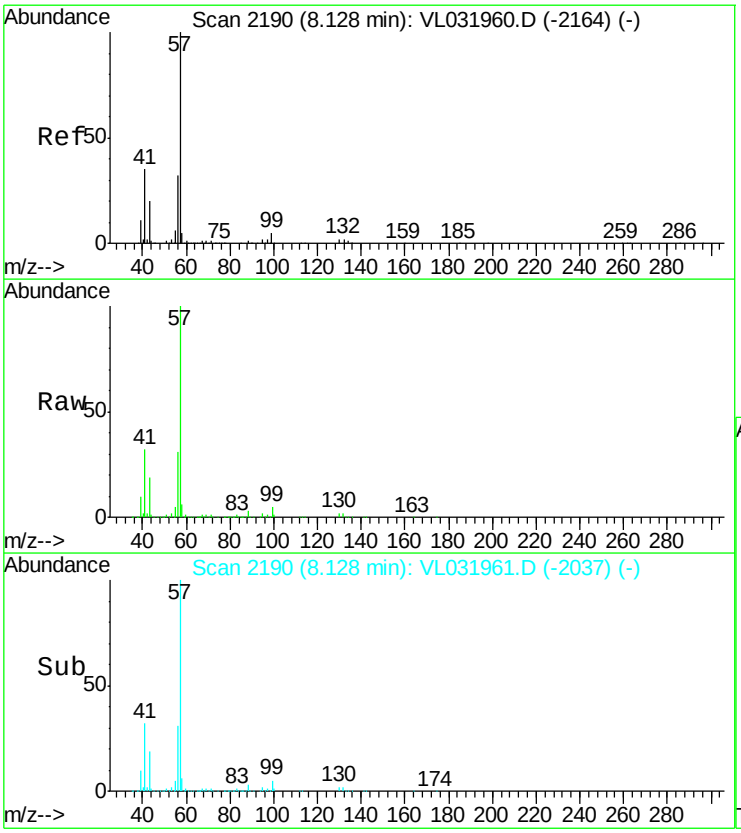
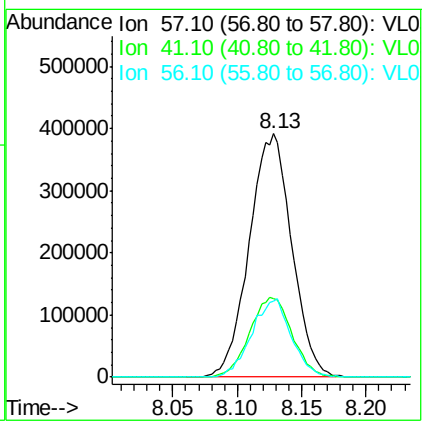
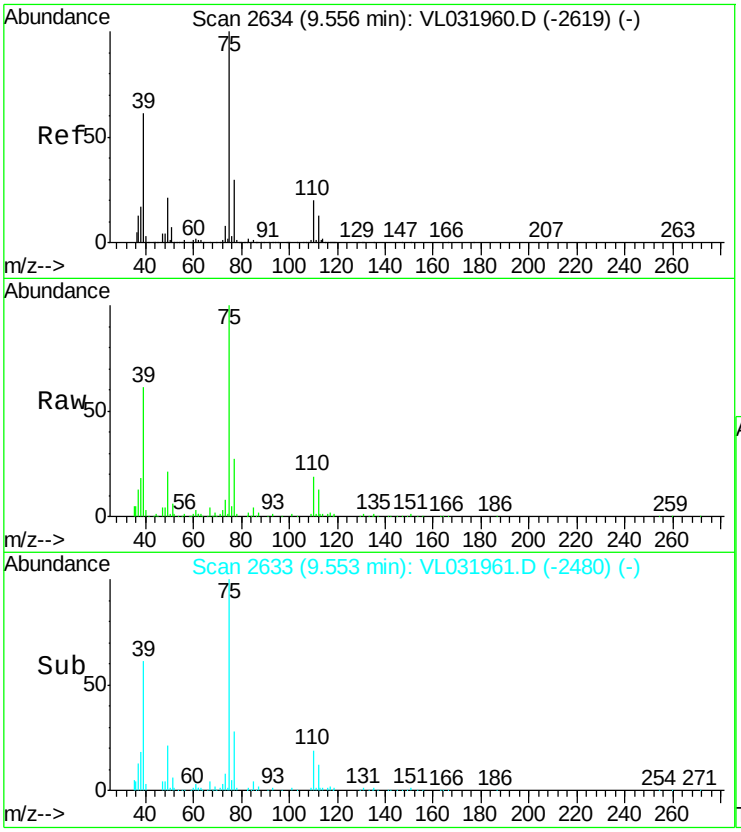


#44
2,2,4-Trimethylpentane
Concen: 2.15 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 57 Resp: 898528

Ion	Ratio	Lower	Upper
57	100		
41	32.8	27.0	40.6
56	30.1	24.1	36.1

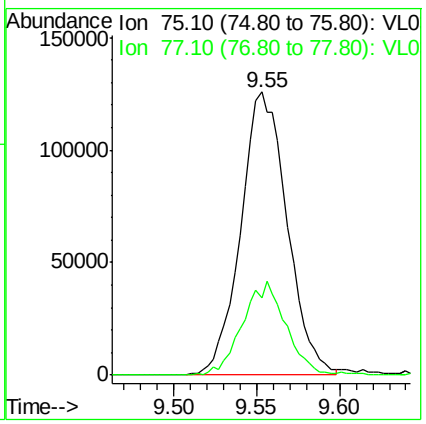




#45
t-1,3-Dichloropropene
Concen: 2.19 ppbv
RT: 9.55 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 75 Resp: 242674

Ion	Ratio	Lower	Upper
75	100		
77	27.5	25.1	37.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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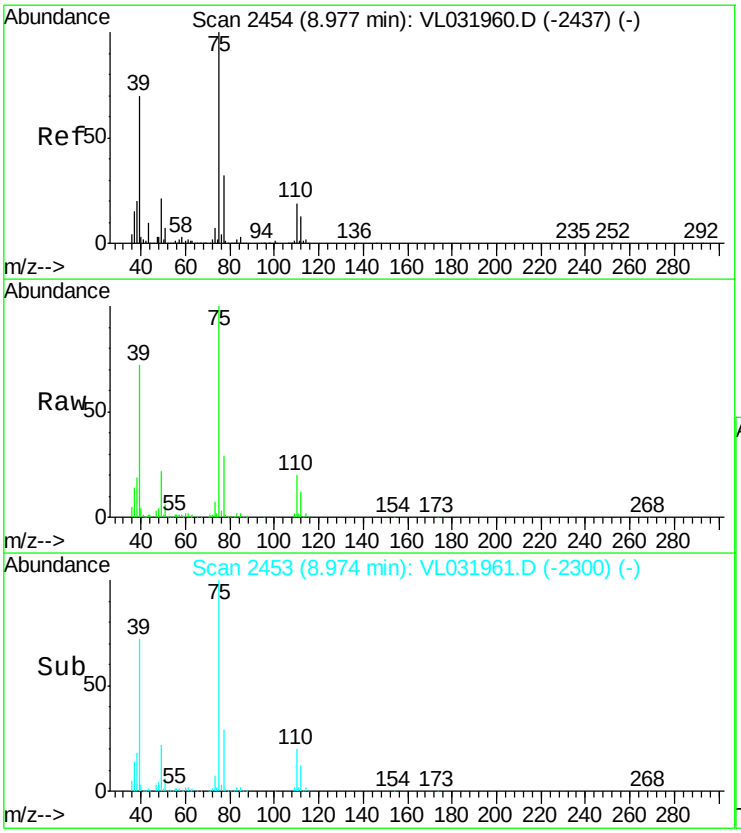
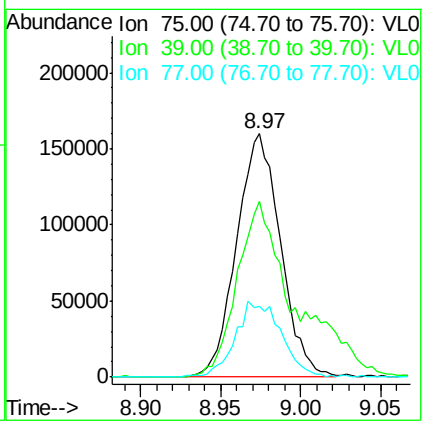
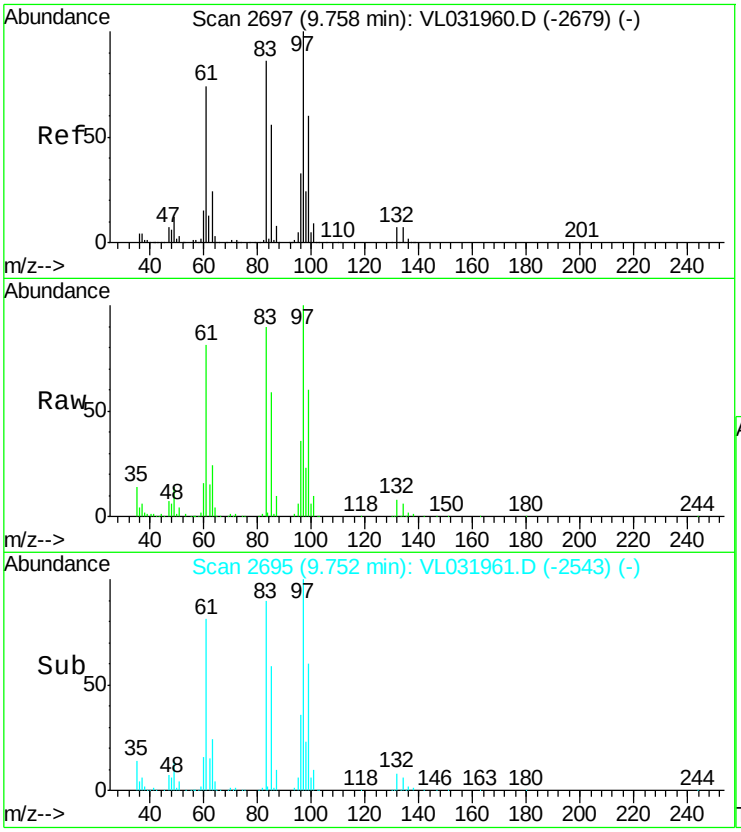


#46
cis-1,3-Dichloropropene
Concen: 2.12 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 75 Resp: 300290

Ion	Ratio	Lower	Upper
75	100		
39	71.7	58.6	87.8
77	28.7	26.8	40.2

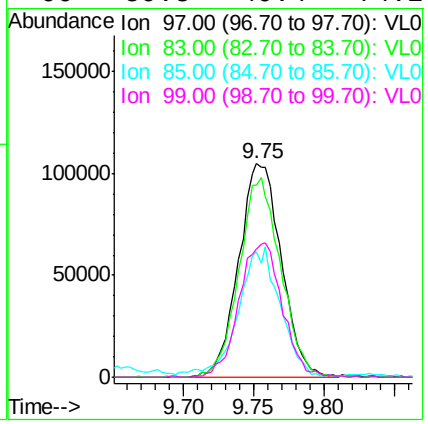




#47
1,1,2-Trichloroethane
Concen: 2.07 ppbv
RT: 9.75 min Scan# 2695
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 97 Resp: 221723

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.1	103.7
85	58.3	43.7	65.5
99	59.8	49.4	74.2



Instrument :
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ClientSampleId :
VSTDICC002

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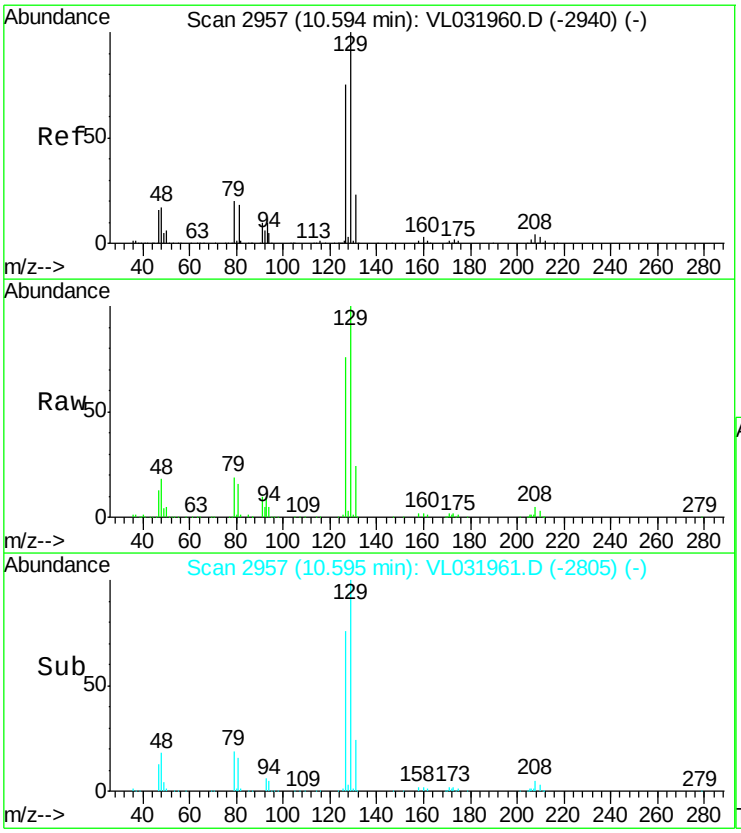
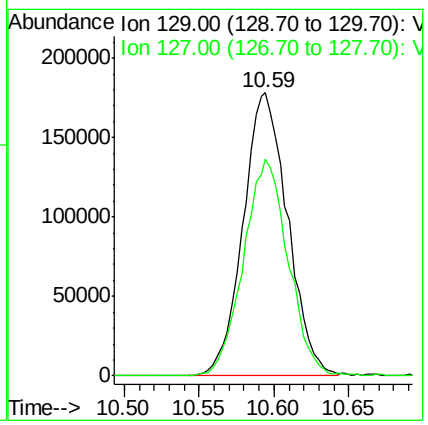
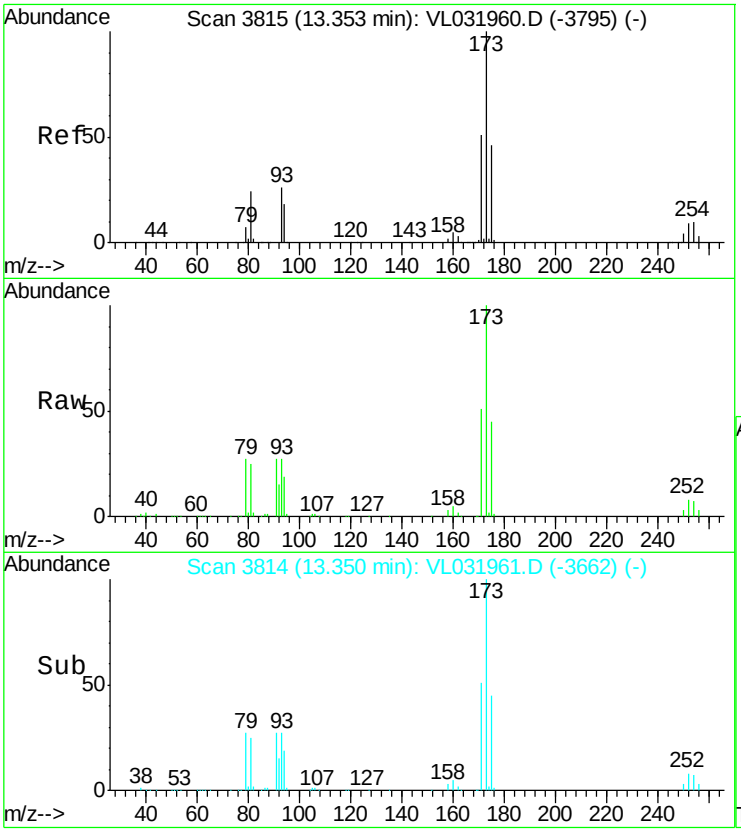


#48
Dibromochloromethane
Concen: 2.13 ppbv
RT: 10.59 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:129 Resp: 368308

Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.5

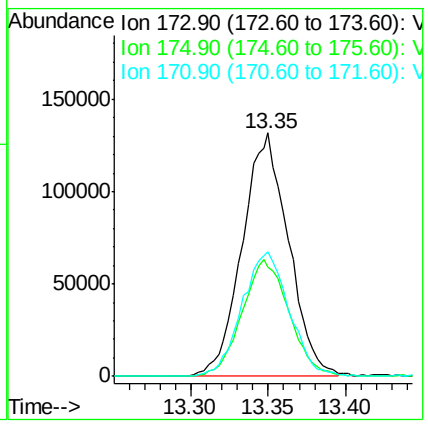




#49
Bromoform
Concen: 2.05 ppbv
RT: 13.35 min Scan# 3814
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:173 Resp: 272454

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.6
171	52.8	41.4	62.0



Instrument :
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ClientSampleId :
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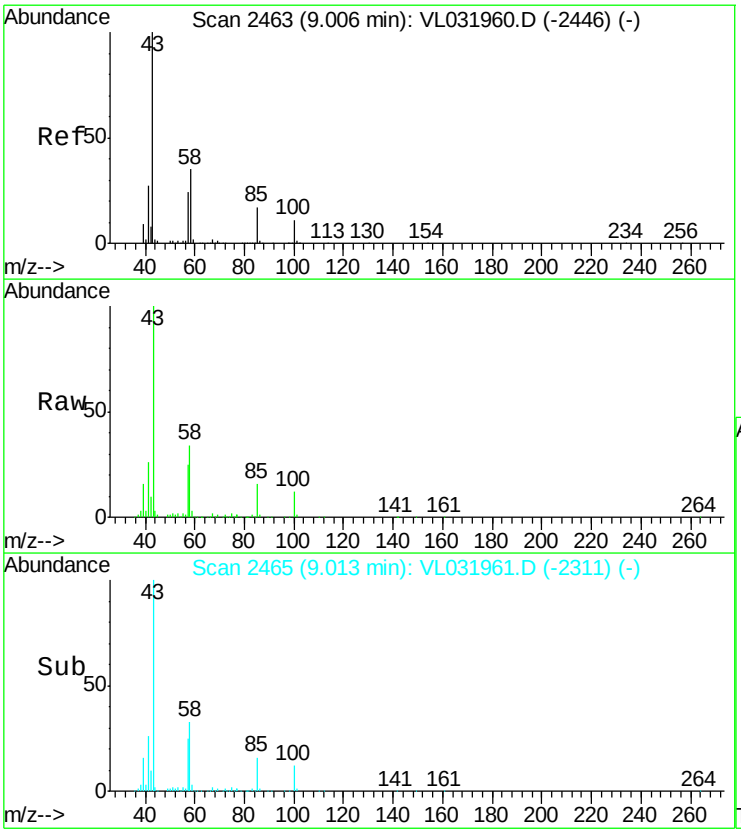
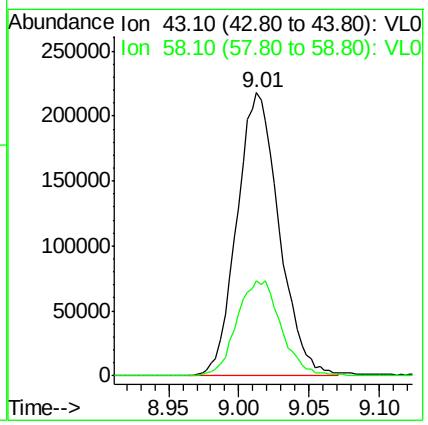
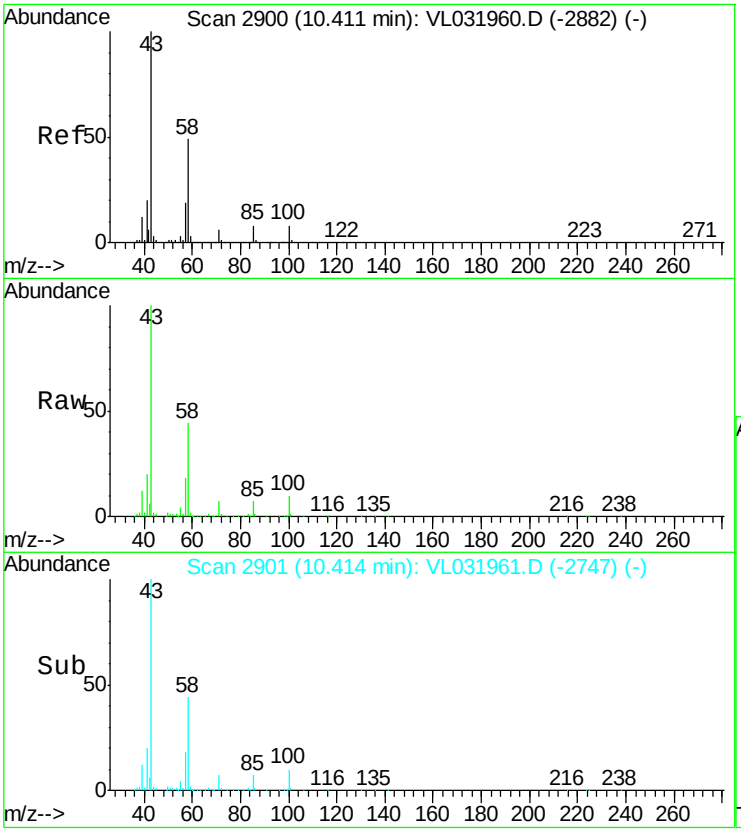


#50
4-Methyl-2-Pentanone
Concen: 2.13 ppbv
RT: 9.01 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 455665

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	43.0

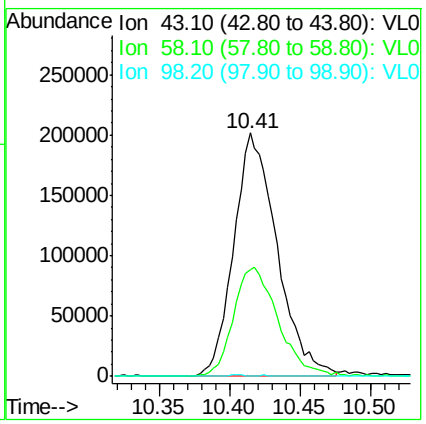




#51
2-Hexanone
Concen: 2.31 ppbv
RT: 10.41 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 43 Resp: 431136

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.5	57.7
98	0.6	0.2	0.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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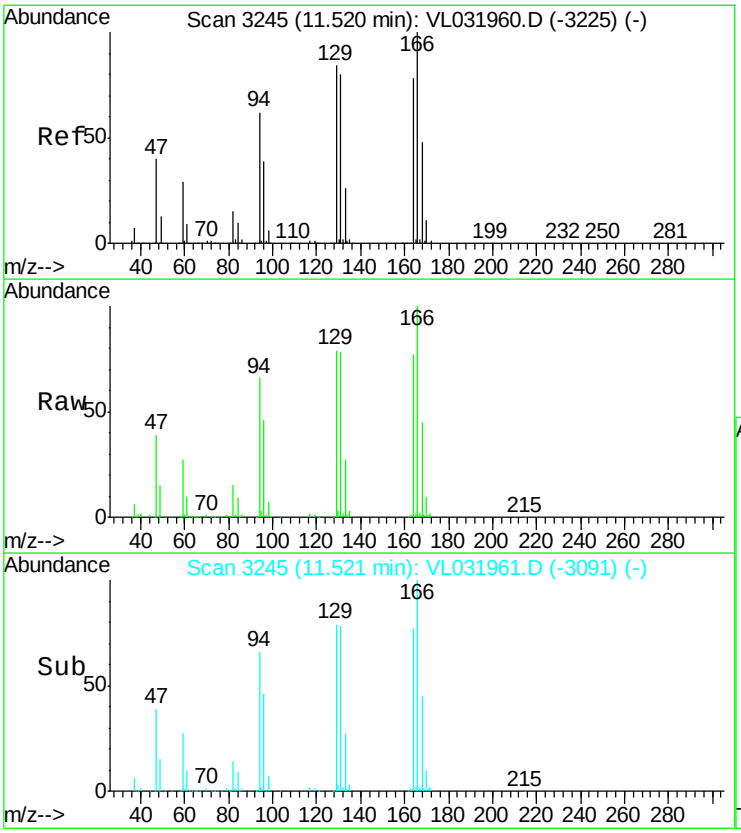
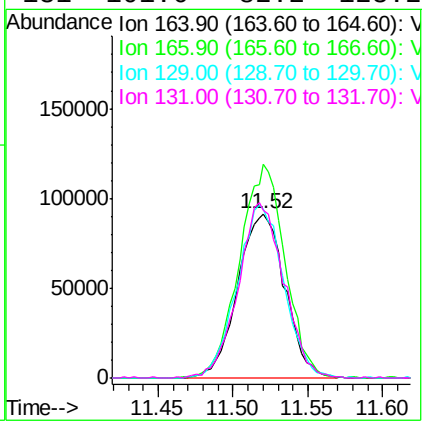
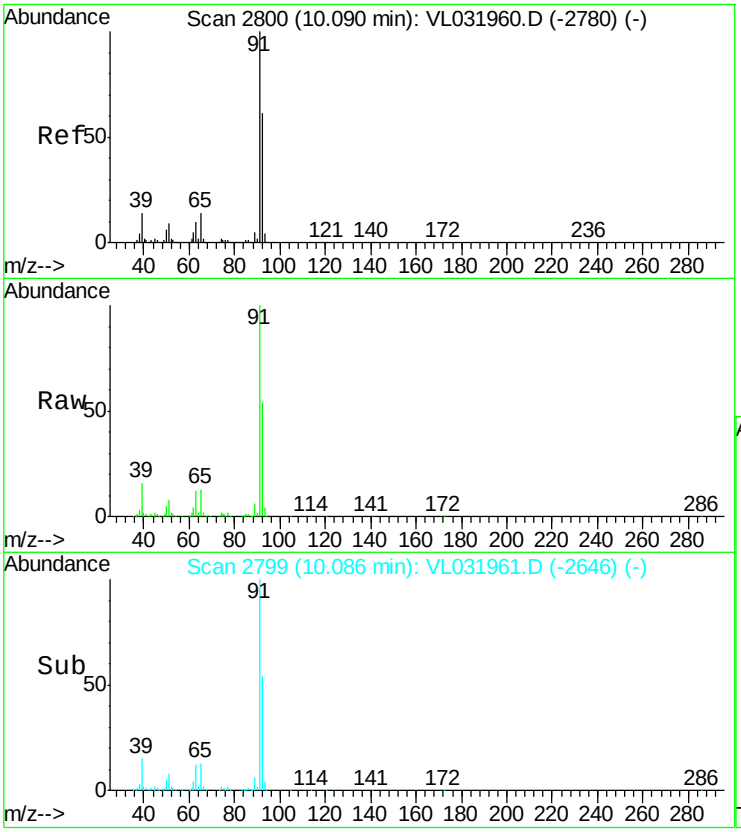


#52
Tetrachloroethene
Concen: 2.12 ppbv
RT: 11.52 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:164 Resp: 200170

Ion	Ratio	Lower	Upper
164	100		
166	129.6	98.2	147.4
129	102.4	86.5	129.7
131	101.6	82.2	123.2





#53
Toluene
Concen: 2.28 ppbv
RT: 10.09 min Scan# 2799
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 616778

Ion	Ratio	Lower	Upper
91	100		
92	58.1	47.4	71.2

Instrument :
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ClientSampleId :
VSTDICC002

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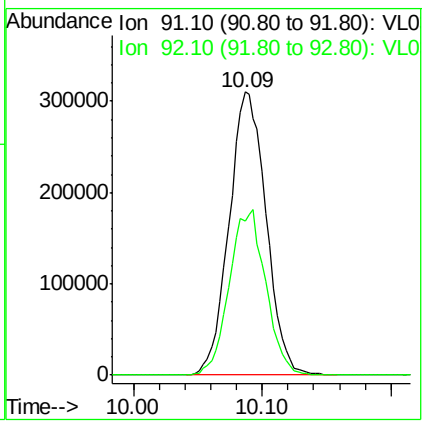
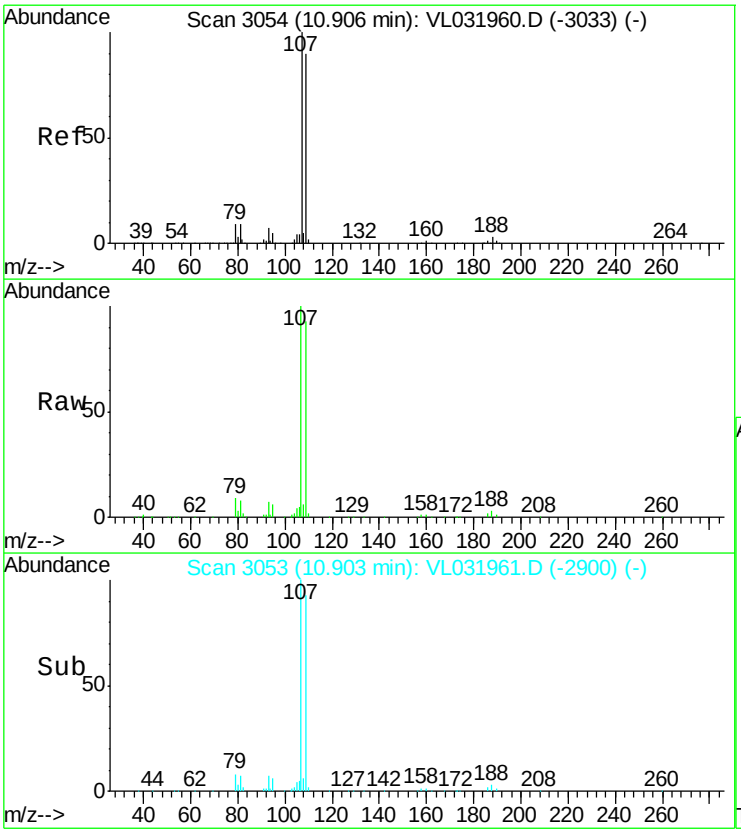
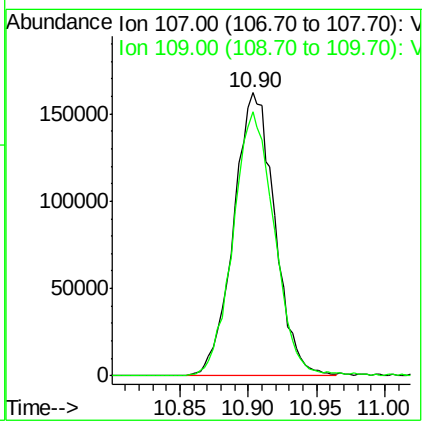


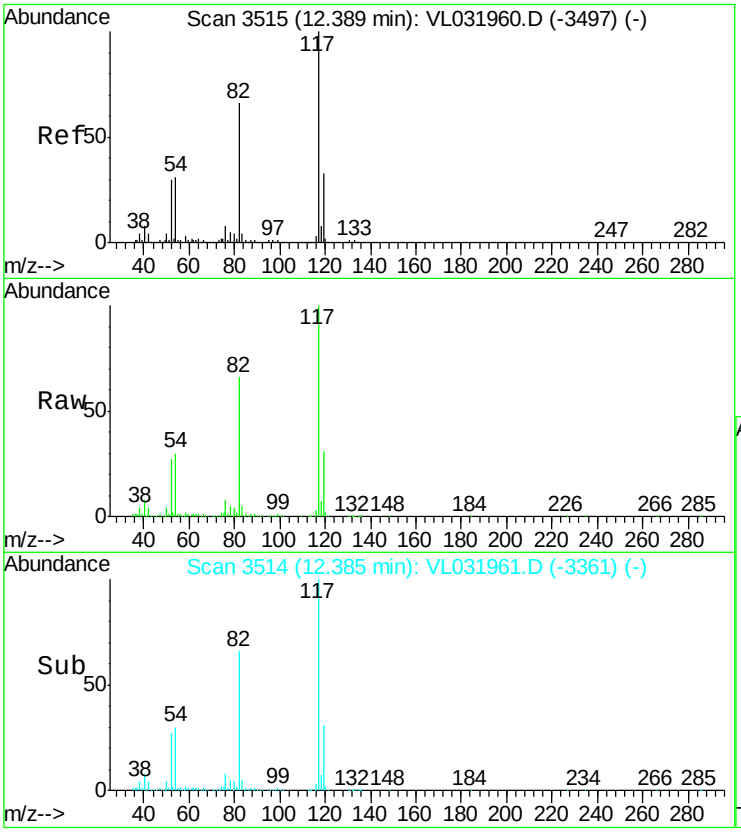


#54
1,2-Dibromoethane
Concen: 2.18 ppbv
RT: 10.90 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:107 Resp: 338616

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.6	112.0

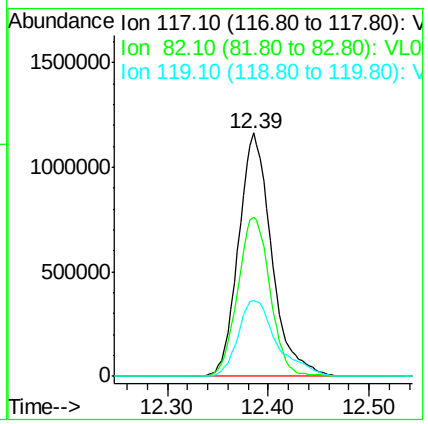




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:117 Resp: 2638498

Ion	Ratio	Lower	Upper
117	100		
82	63.9	54.6	81.8
119	36.8	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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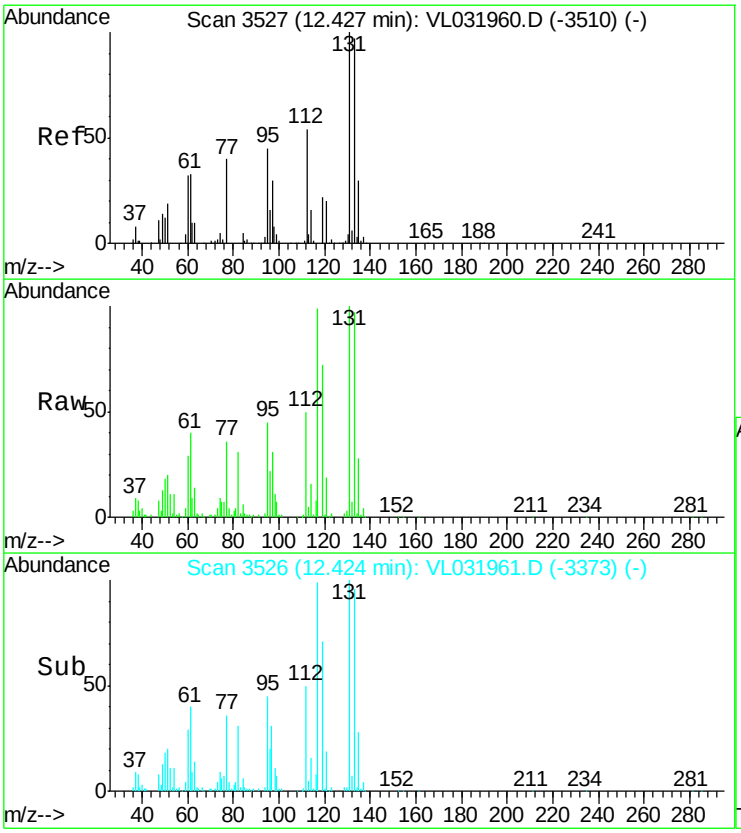
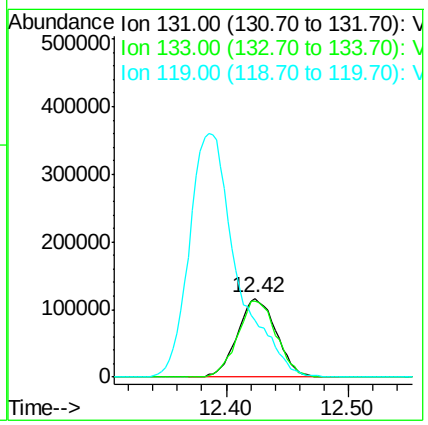
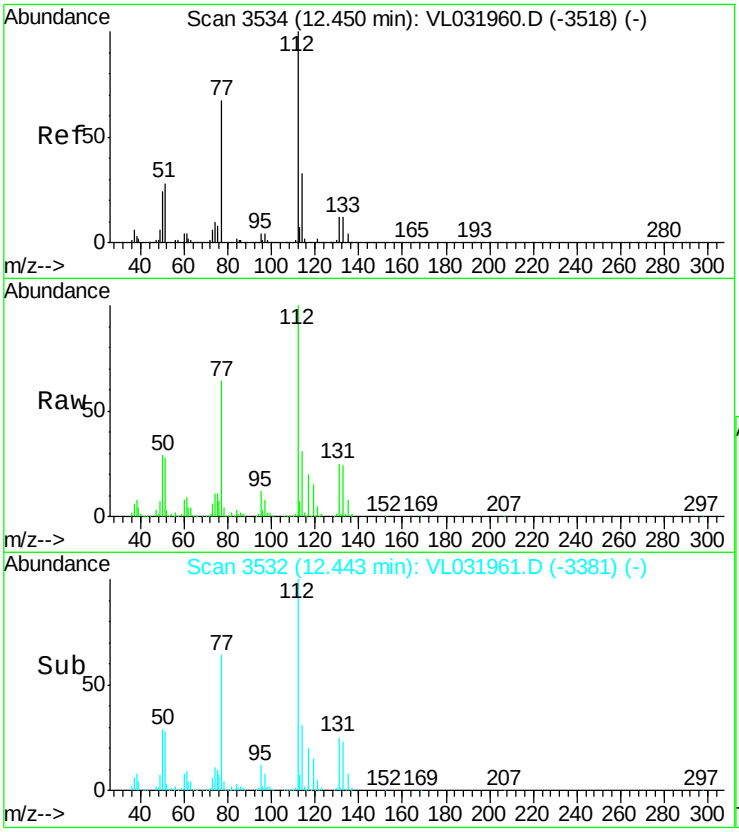


#56
1,1,1,2-Tetrachloroethane
Concen: 2.08 ppbv
RT: 12.42 min Scan# 3526
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:131 Resp: 257774

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.1	114.1
119	376.5	106.3	159.5#

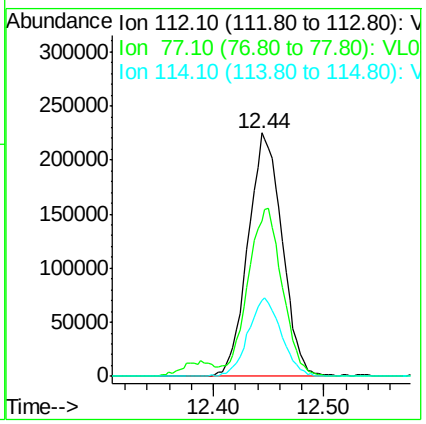




#57
Chlorobenzene
Concen: 2.16 ppbv
RT: 12.44 min Scan# 3532
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:112 Resp: 482694

Ion	Ratio	Lower	Upper
112	100		
77	63.6	57.0	85.6
114	31.4	28.5	34.9



Instrument :
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ClientSampleId :
VSTDICC002

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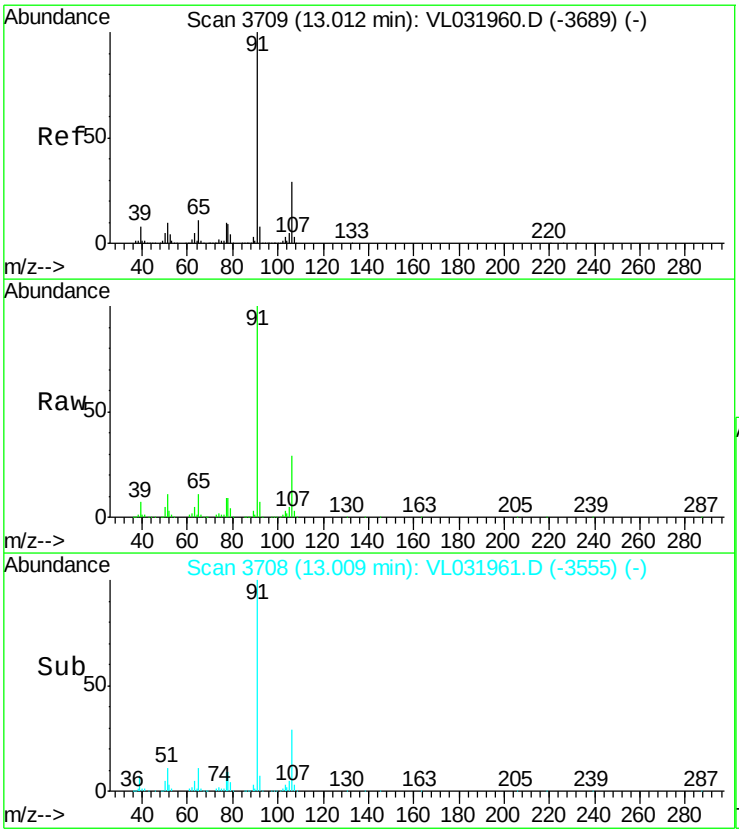
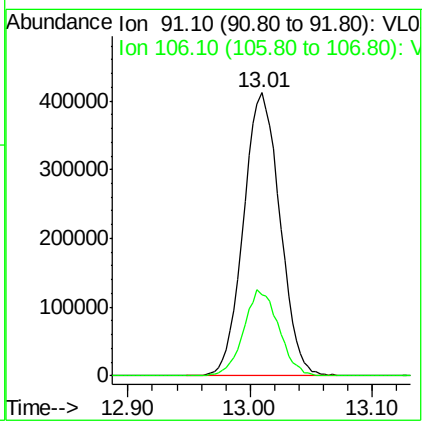
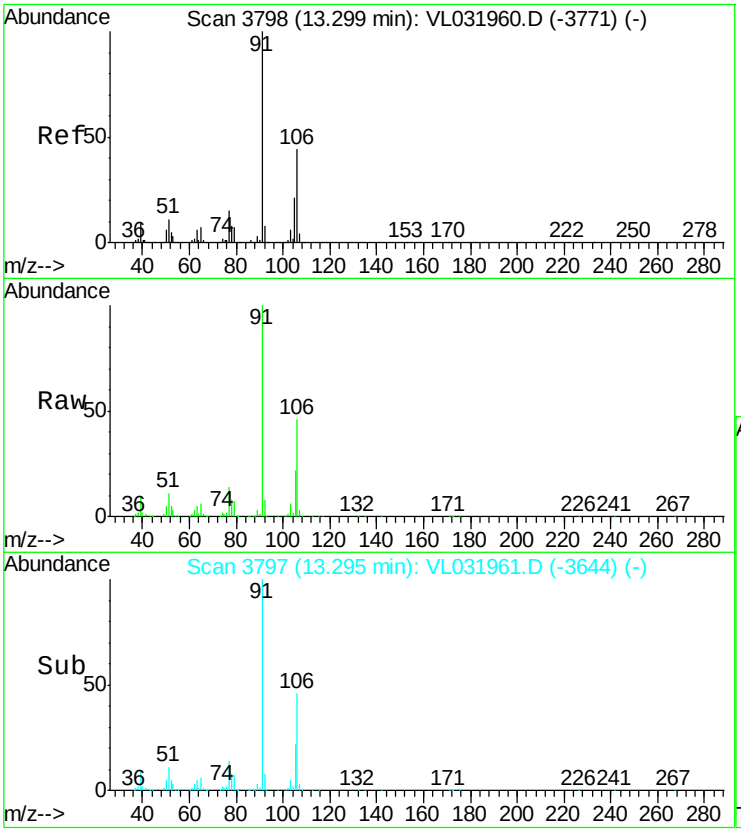


#58
Ethyl Benzene
Concen: 2.32 ppbv
RT: 13.01 min Scan# 3708
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 849440

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.8	35.6

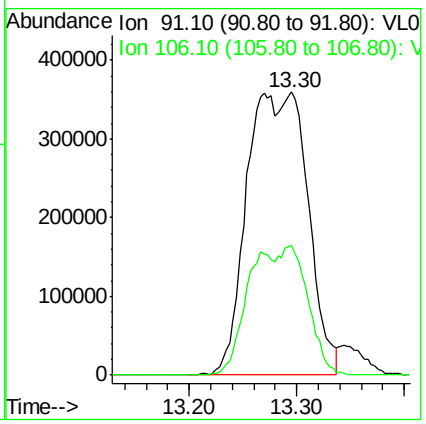




#59
m/p-Xylene
Concen: 4.45 ppbv m
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 1414541

Ion	Ratio	Lower	Upper
91	100		
106	43.8	35.5	53.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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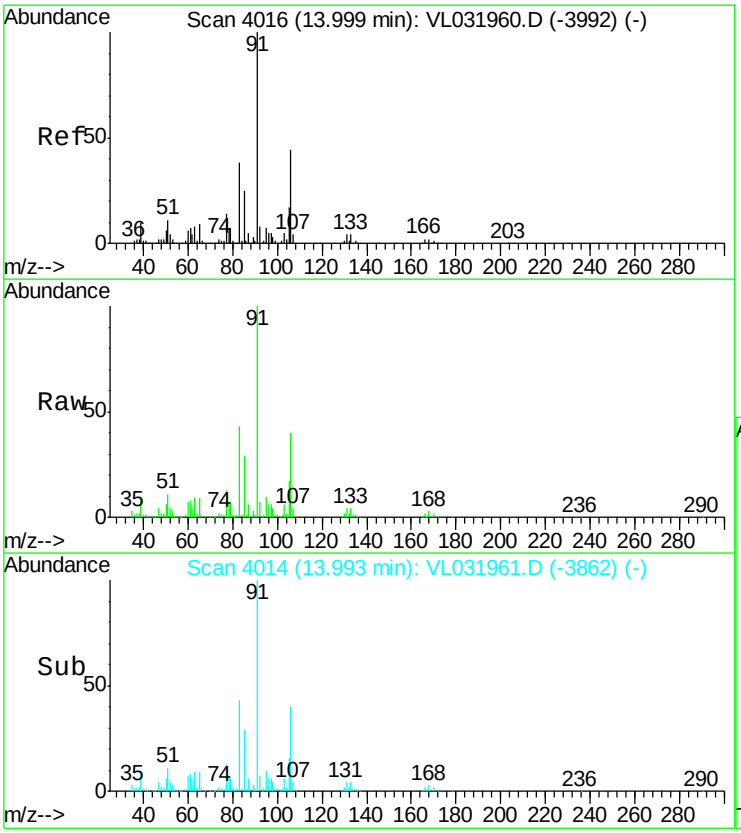
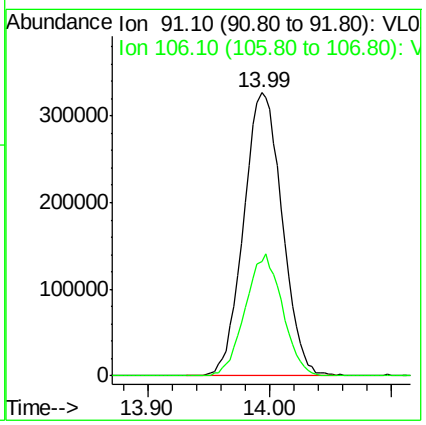
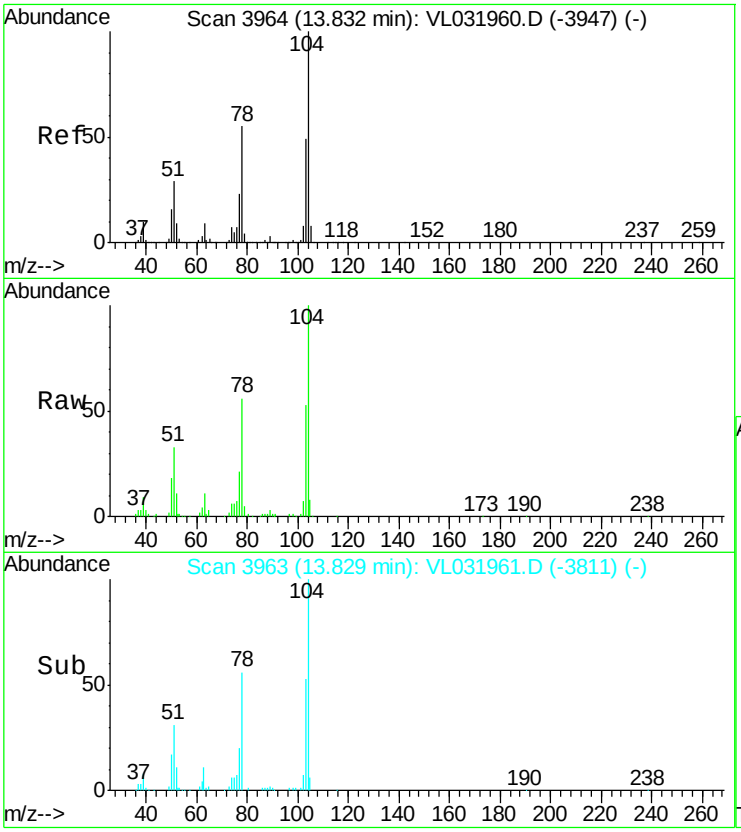


#60
o-Xylene
Concen: 2.24 ppbv
RT: 13.99 min Scan# 4014
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 713462

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.3	63.9

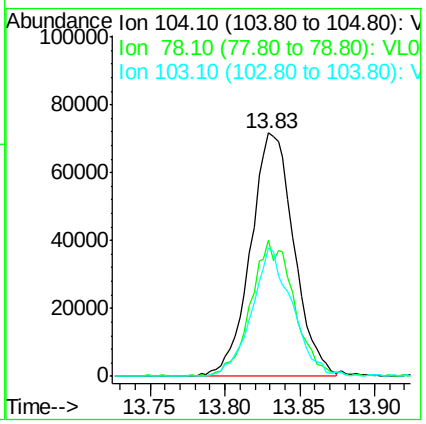




#61
Stvrene
Concen: 2.38 ppbv
RT: 13.83 min Scan# 3963
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:104 Resp: 144410

Ion	Ratio	Lower	Upper
104	100		
78	56.0	44.4	66.6
103	49.4	37.9	56.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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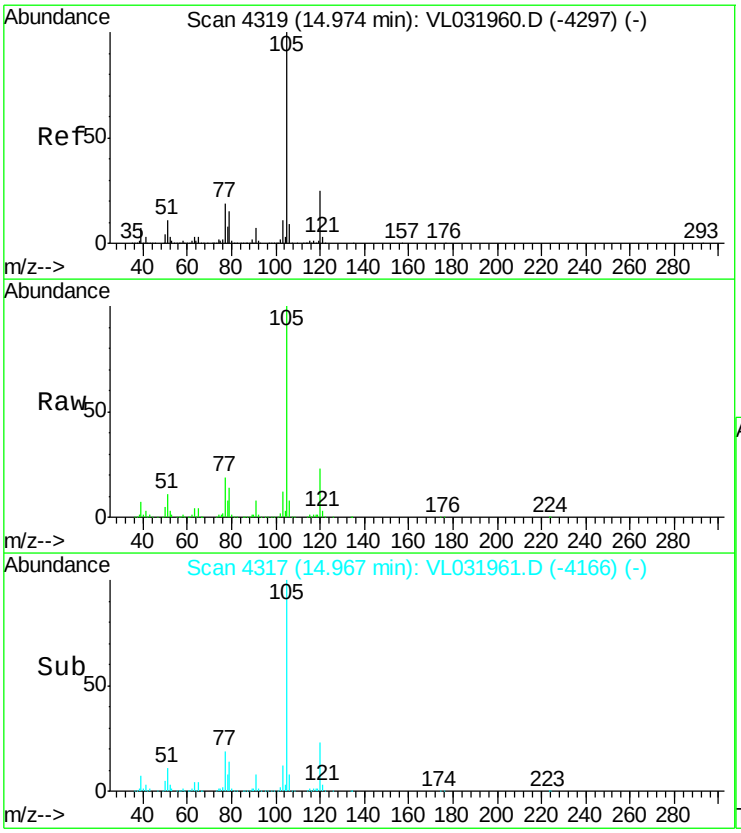
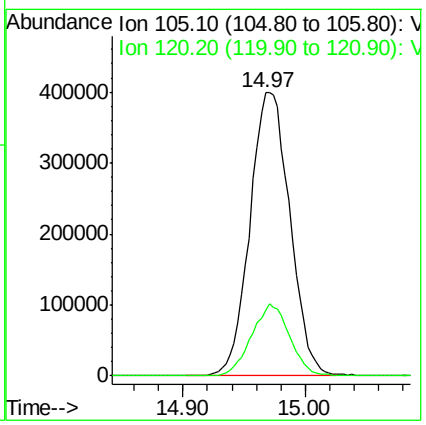
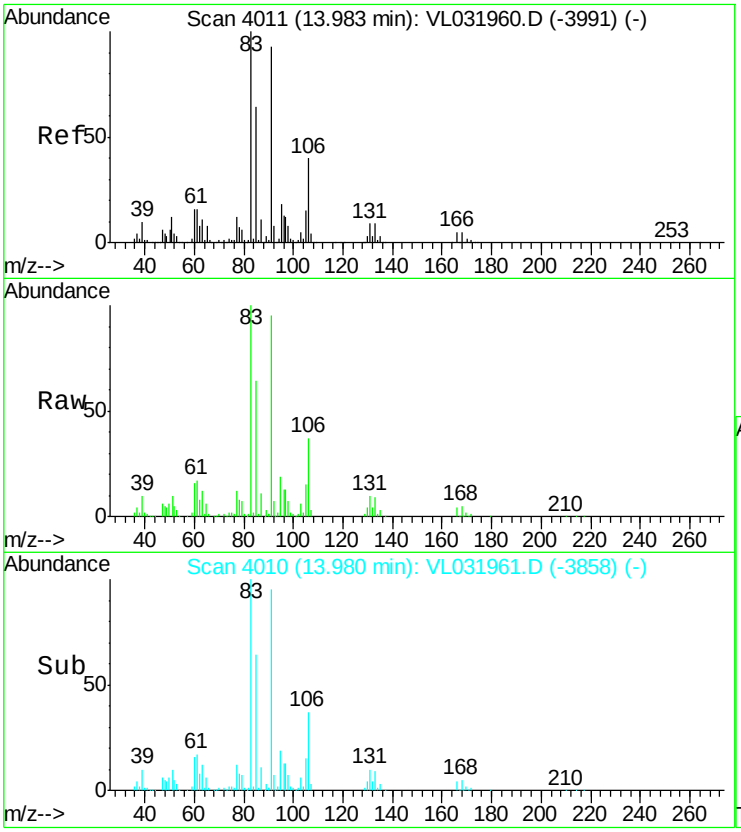


#62
Isopropylbenzene
Concen: 2.21 ppbv
RT: 14.97 min Scan# 4317
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 904048

Ion	Ratio	Lower	Upper
105	100		
120	24.2	19.4	29.2

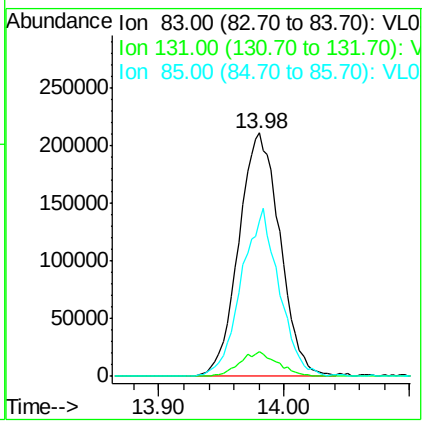




#63
1,1,2,2-Tetrachloroethane
Concen: 1.97 ppbv
RT: 13.98 min Scan# 4010
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 83 Resp: 482467

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.6
85	63.9	32.2	96.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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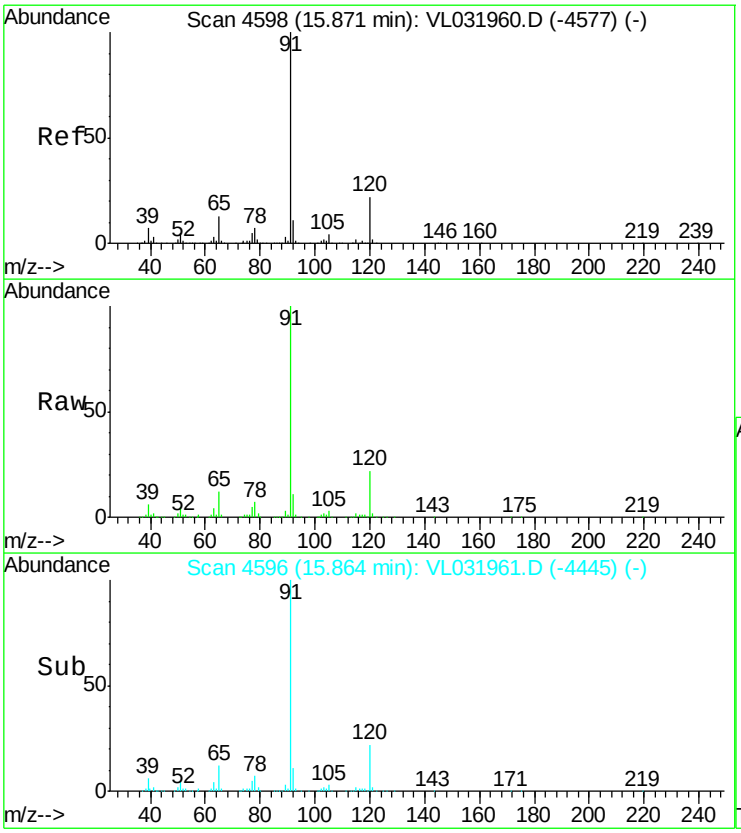
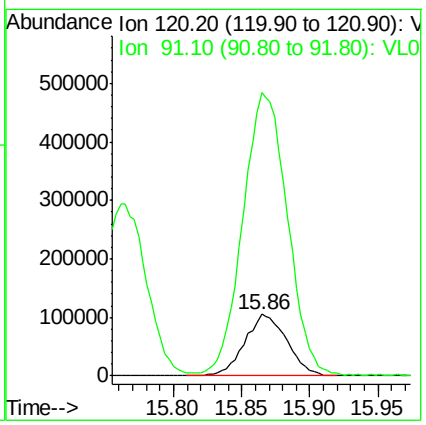
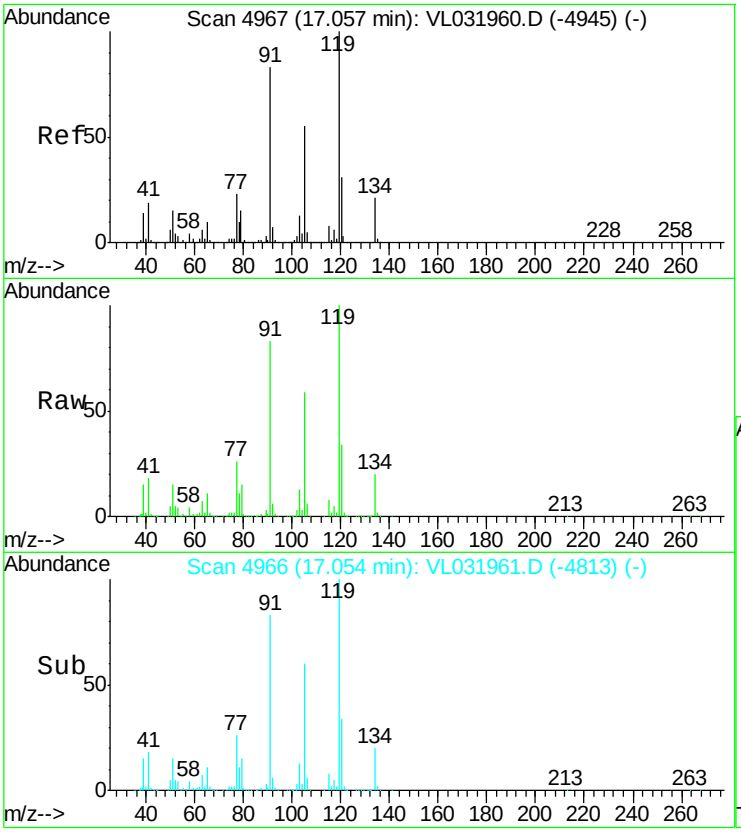


#64
n-propylbenzene
Concen: 2.28 ppbv
RT: 15.86 min Scan# 4596
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:120 Resp: 226558

Ion	Ratio	Lower	Upper
120	100		
91	486.3	393.7	590.5

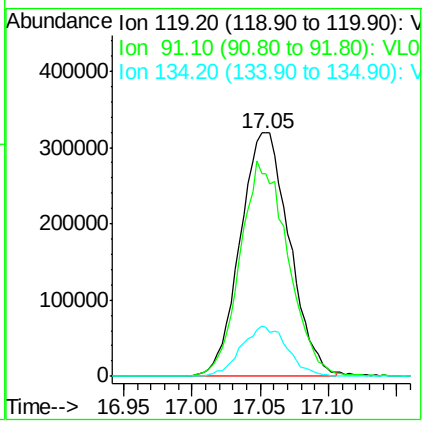




#65
tert-Butylbenzene
Concen: 2.28 ppbv
RT: 17.05 min Scan# 4966
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:119 Resp: 799411

Ion	Ratio	Lower	Upper
119	100		
91	86.2	69.4	104.0
134	19.4	15.4	23.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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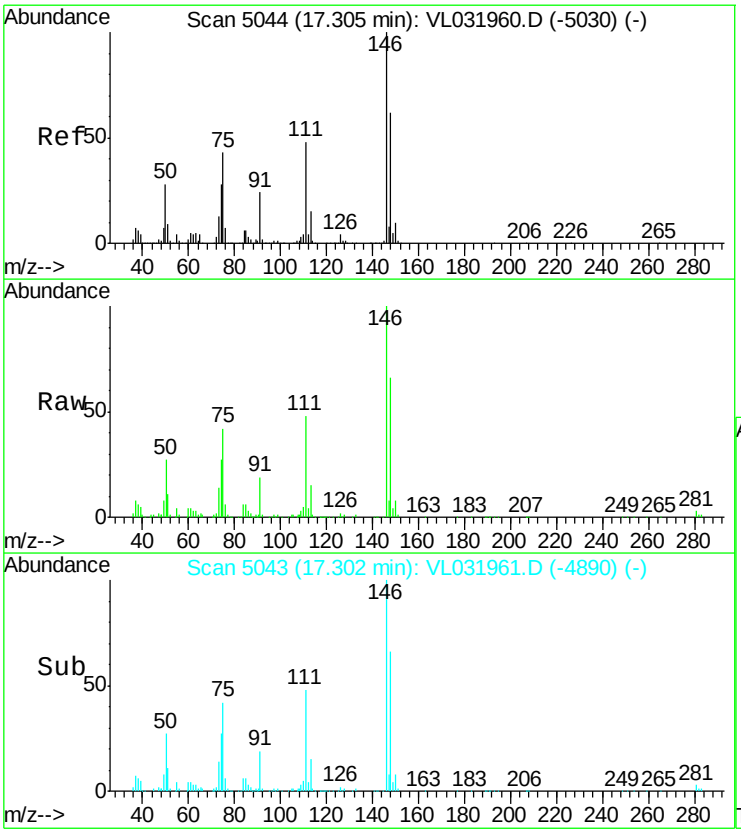
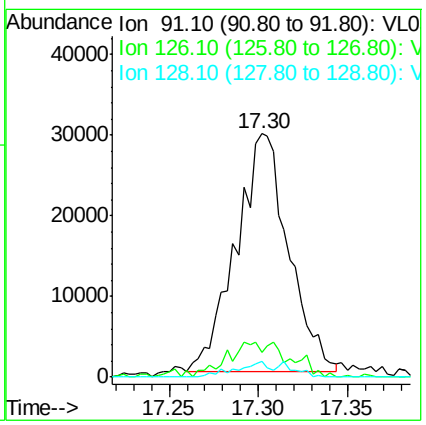
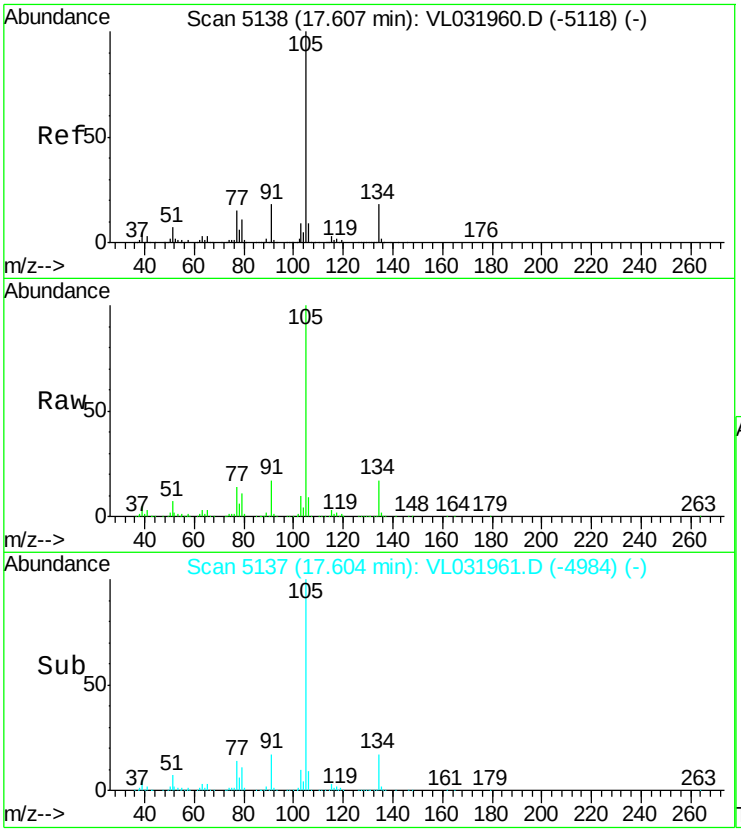


#66
Benzyl Chloride
Concen: 1.90 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 60264

Ion	Ratio	Lower	Upper
91	100		
126	18.9	12.6	19.0
128	6.1	4.0	6.0#

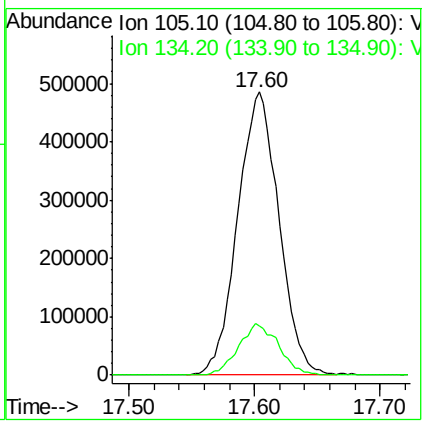




#67
sec-Butylbenzene
Concen: 2.19 ppbv
RT: 17.60 min Scan# 5137
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 1105926

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.2	21.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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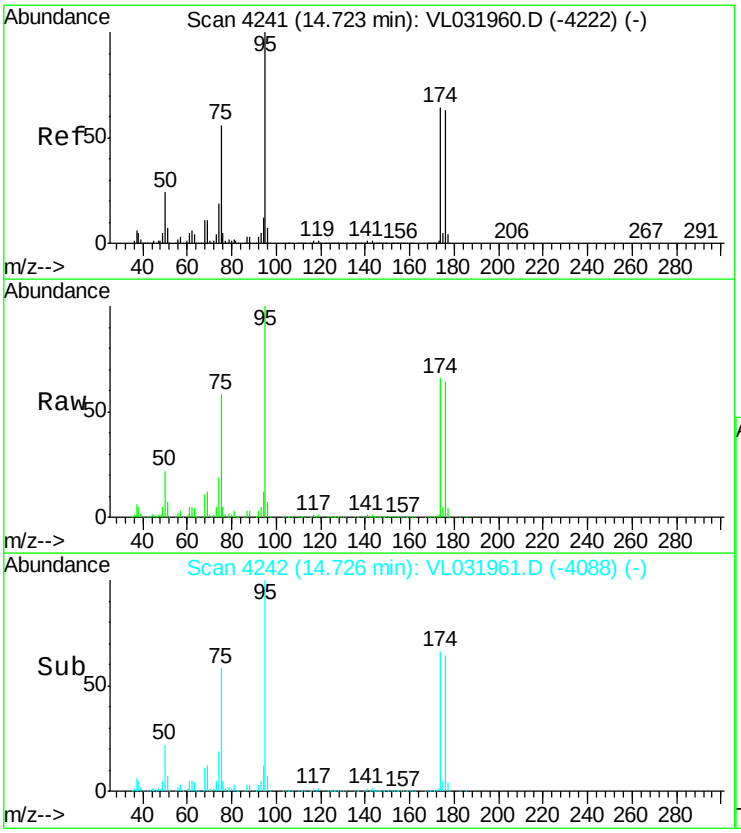
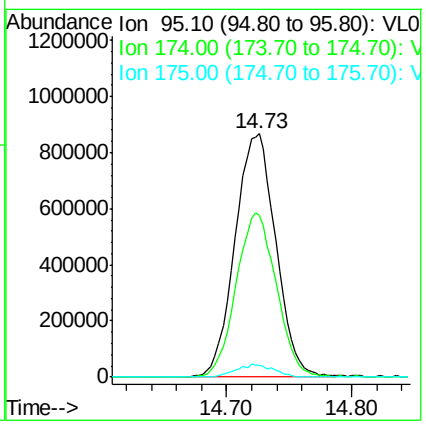
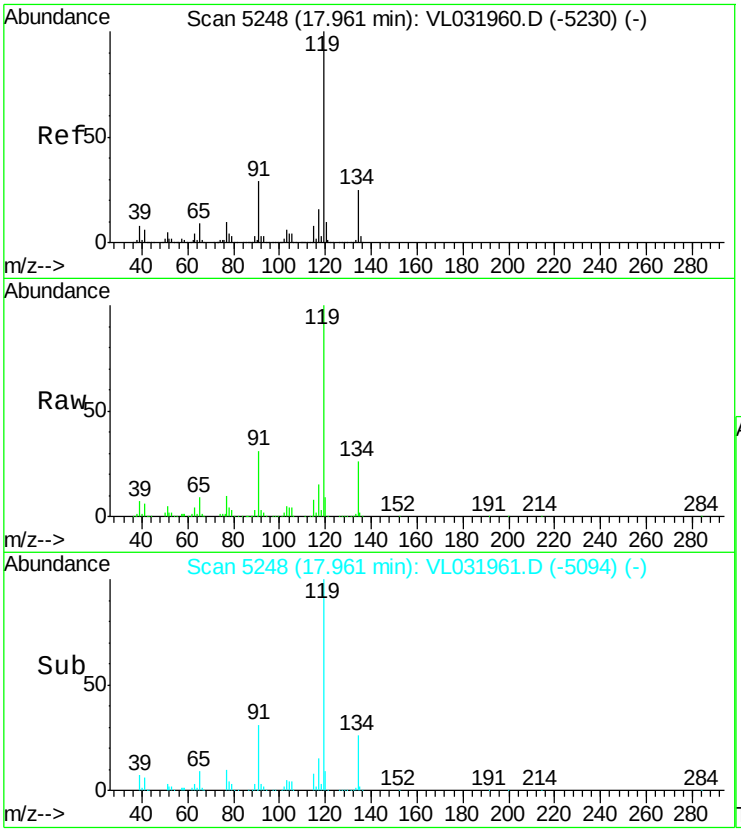


#68
1-Bromo-4-Fluorobenzene
Concen: 9.22 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 95 Resp: 1955489

Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.3	78.5
175	5.0	3.9	5.9

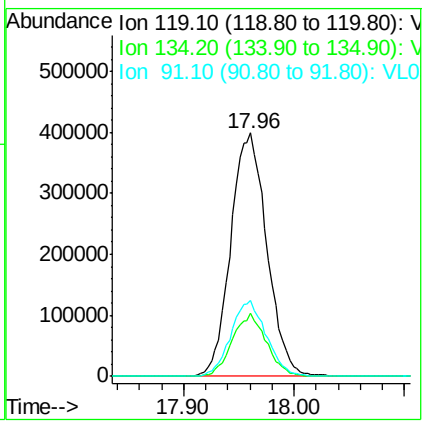




#69
p-Isopropyltoluene
Concen: 2.30 ppbv
RT: 17.96 min Scan# 5248
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:119 Resp: 900758

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.0	30.0
91	30.4	24.9	37.3



Instrument :
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ClientSampleId :
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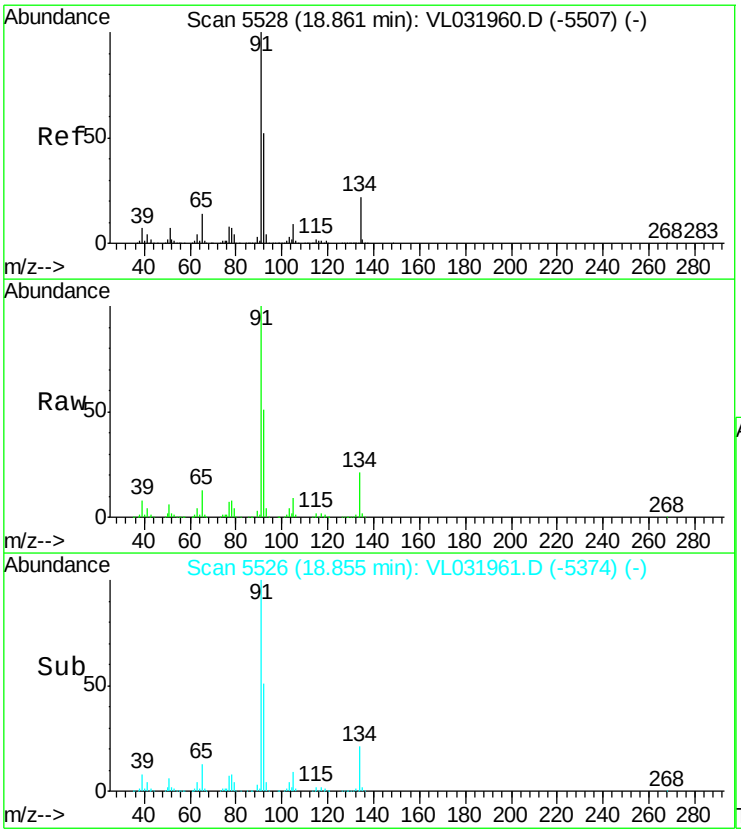
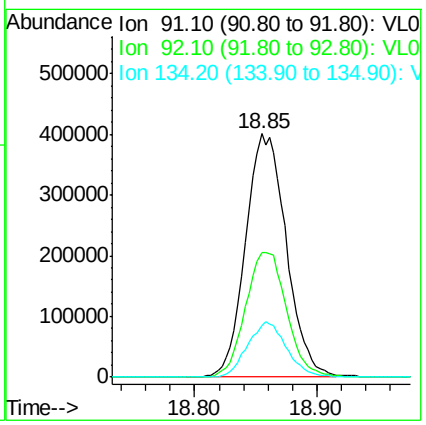
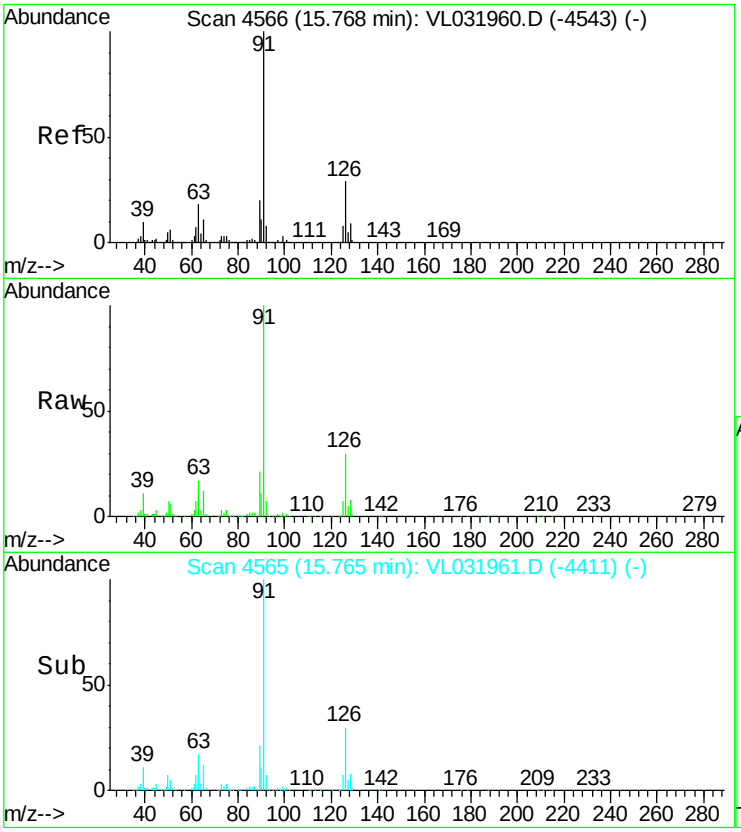


#70
n-Butylbenzene
Concen: 2.26 ppbv
RT: 18.85 min Scan# 5526
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 921970

Ion	Ratio	Lower	Upper
91	100		
92	52.0	42.2	63.4
134	21.9	17.4	26.0





#71
2-Chlorotoluene
Concen: 2.21 ppbv
RT: 15.76 min Scan# 4565
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion: 91 Resp: 652901

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.6	46.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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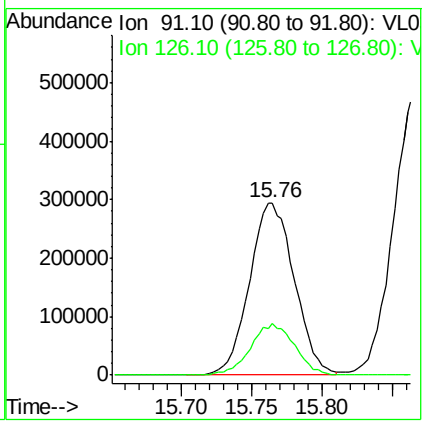
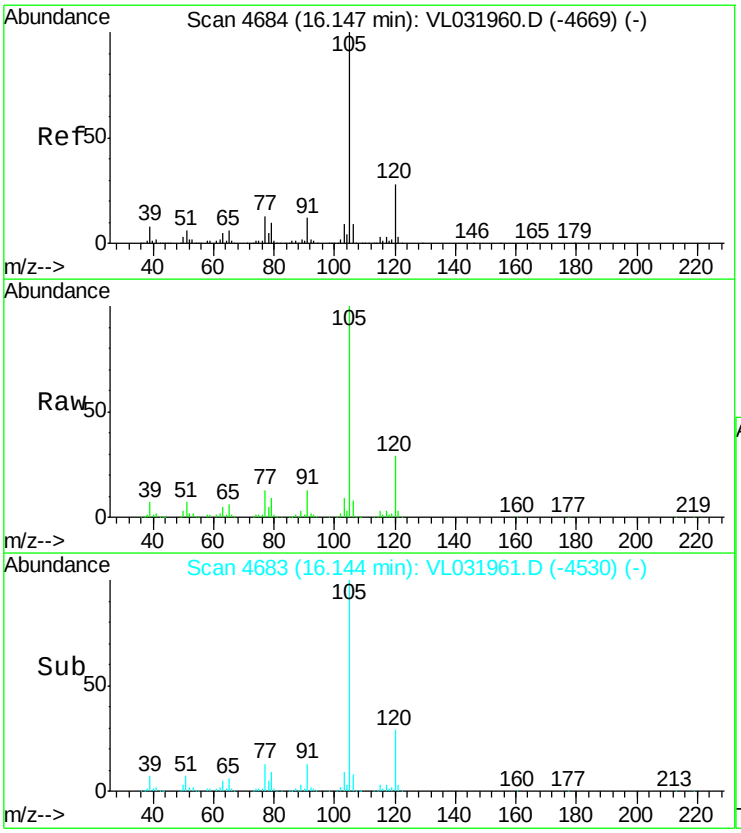
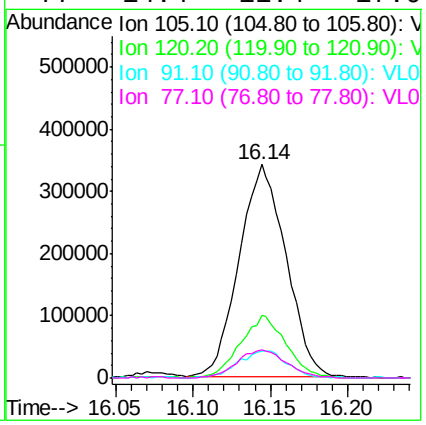


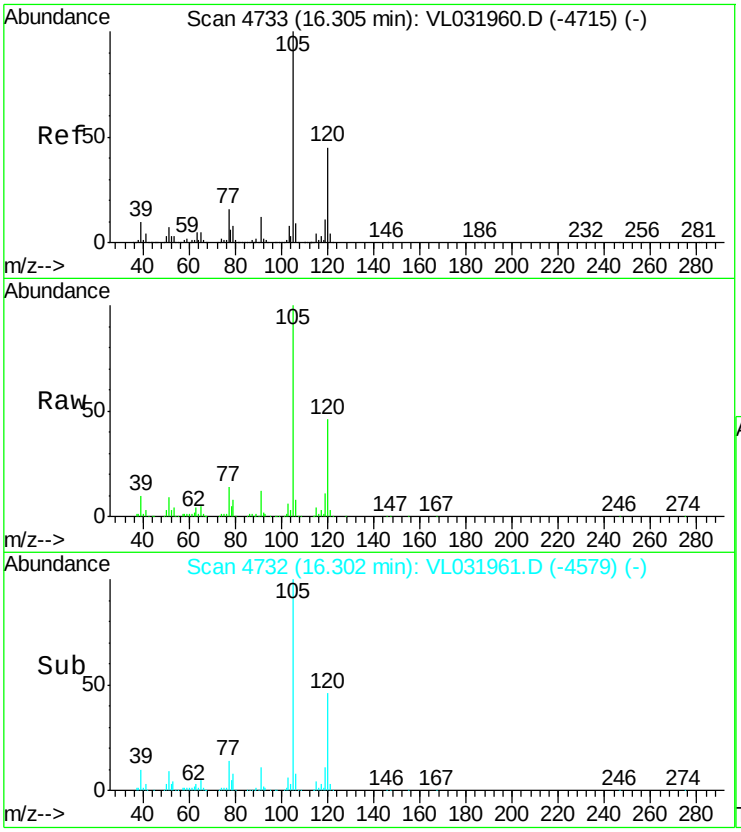


#72
4-Ethyltoluene
Concen: 2.20 ppbv
RT: 16.14 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 713619

Ion	Ratio	Lower	Upper
105	100		
120	29.0	22.7	34.1
91	13.2	10.6	16.0
77	14.4	11.4	17.0

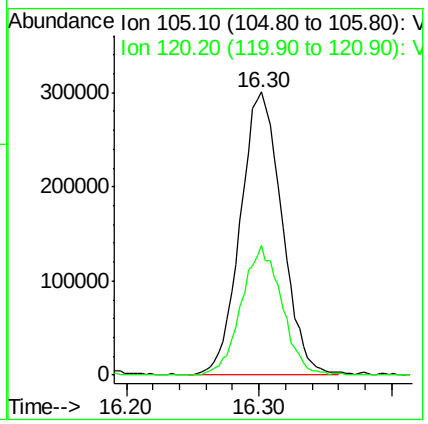




#73
1,3,5-Trimethylbenzene
Concen: 2.20 ppbv
RT: 16.30 min Scan# 4732
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 653191

Ion	Ratio	Lower	Upper
105	100		
120	45.7	35.3	52.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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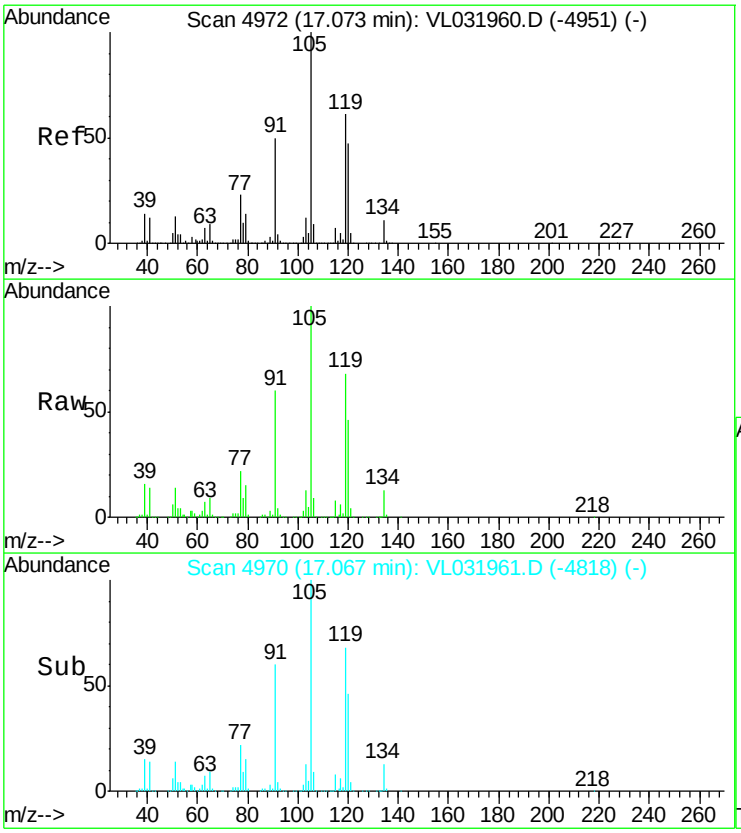
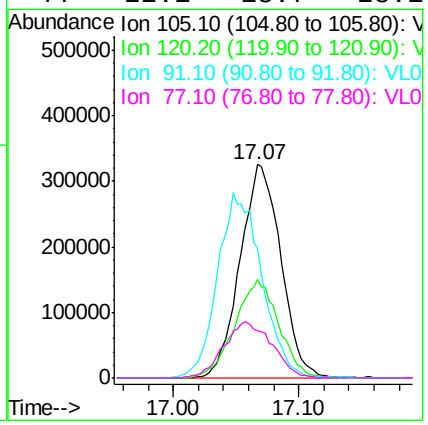
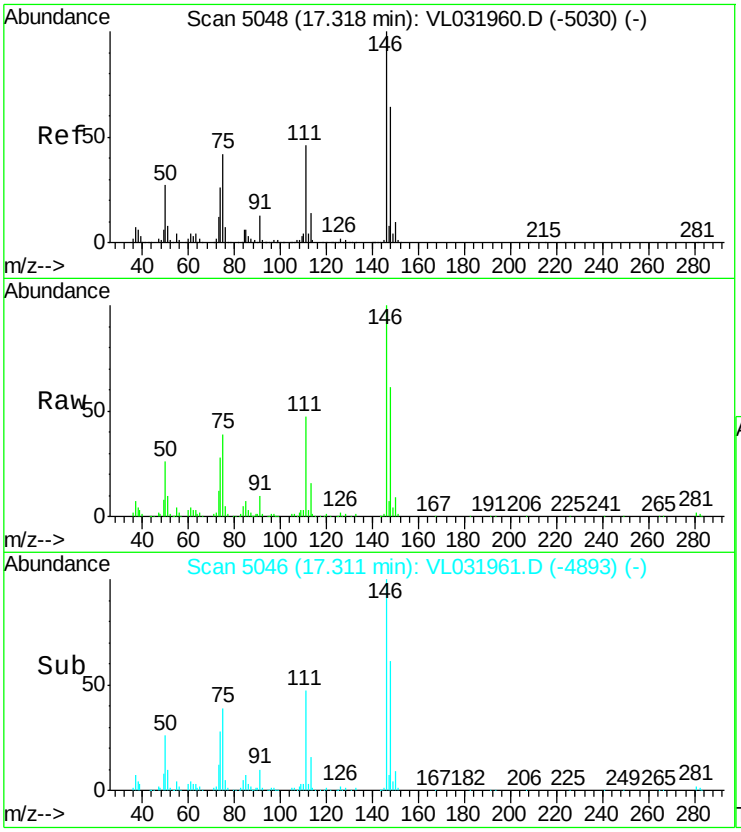


#74
1,2,4-Trimethylbenzene
Concen: 2.21 ppbv
RT: 17.07 min Scan# 4970
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:105 Resp: 733514

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.0	55.4
91	59.8	43.0	64.4
77	22.1	18.7	28.1

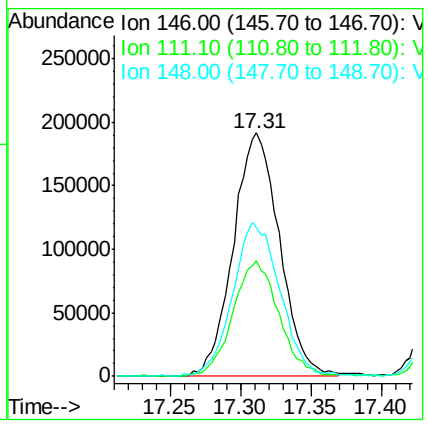




#75
1,3-Dichlorobenzene
Concen: 2.14 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:146 Resp: 436261

Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.8	71.4
148	65.6	32.0	96.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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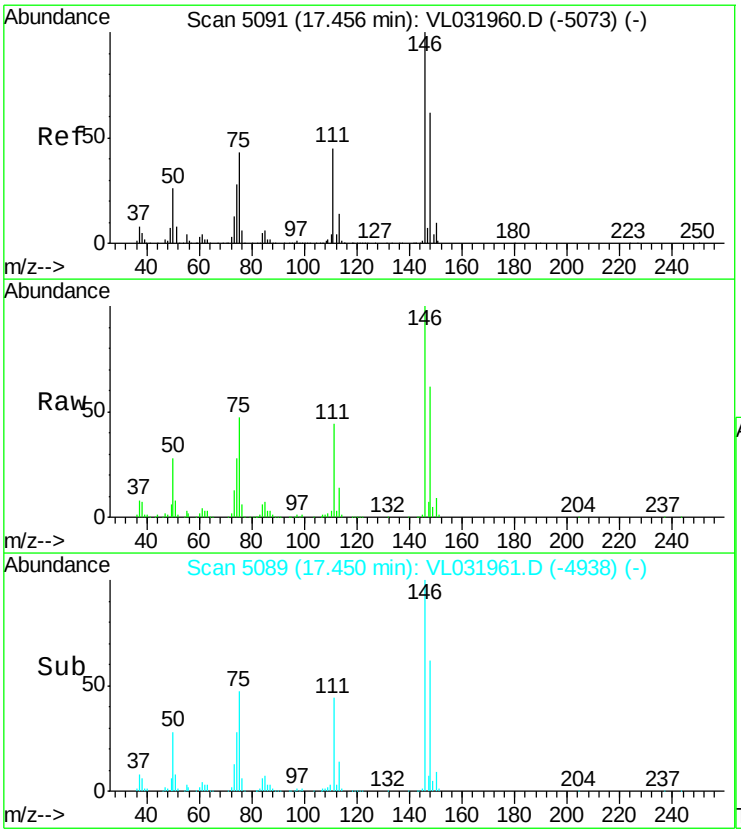
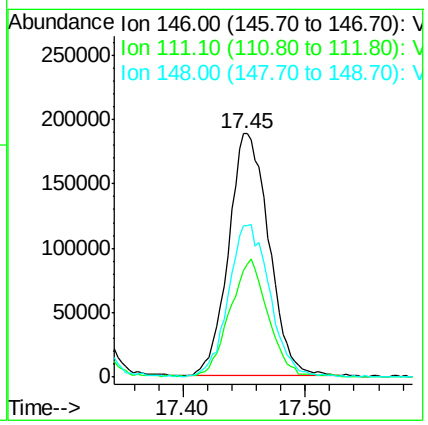
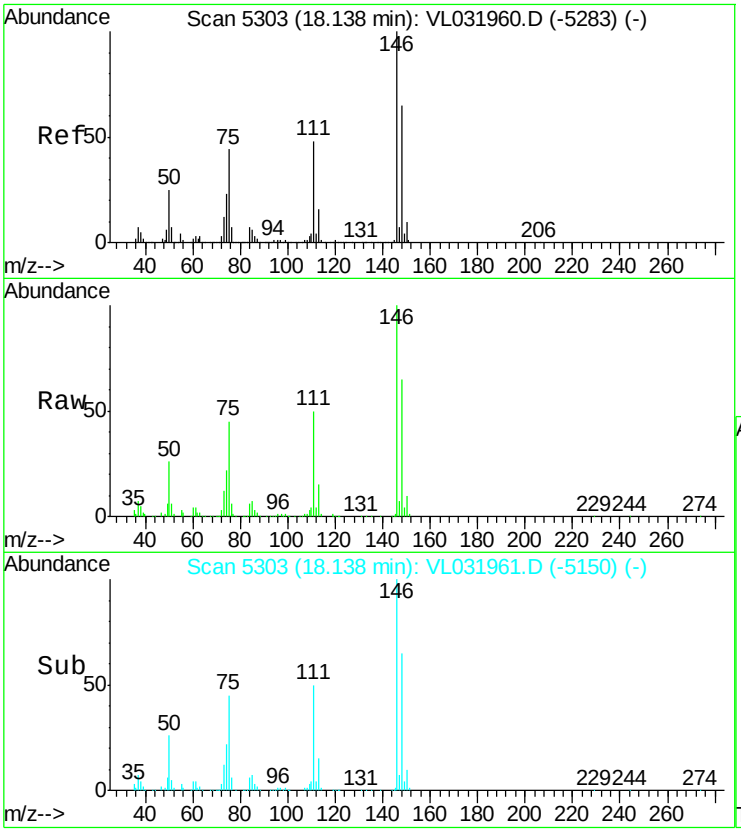


#76
1,4-Dichlorobenzene
Concen: 2.17 ppbv
RT: 17.45 min Scan# 5089
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:146 Resp: 427813

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.9	68.7
148	65.7	32.0	96.0

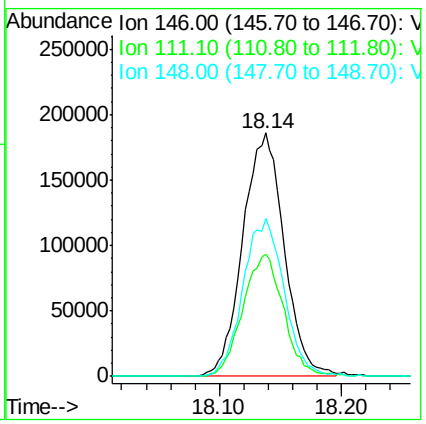




#77
1,2-Dichlorobenzene
Concen: 2.17 ppbv
RT: 18.14 min Scan# 5303
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:146 Resp: 435214

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.3	72.8
148	64.7	31.8	95.3



Instrument :
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ClientSampleId :
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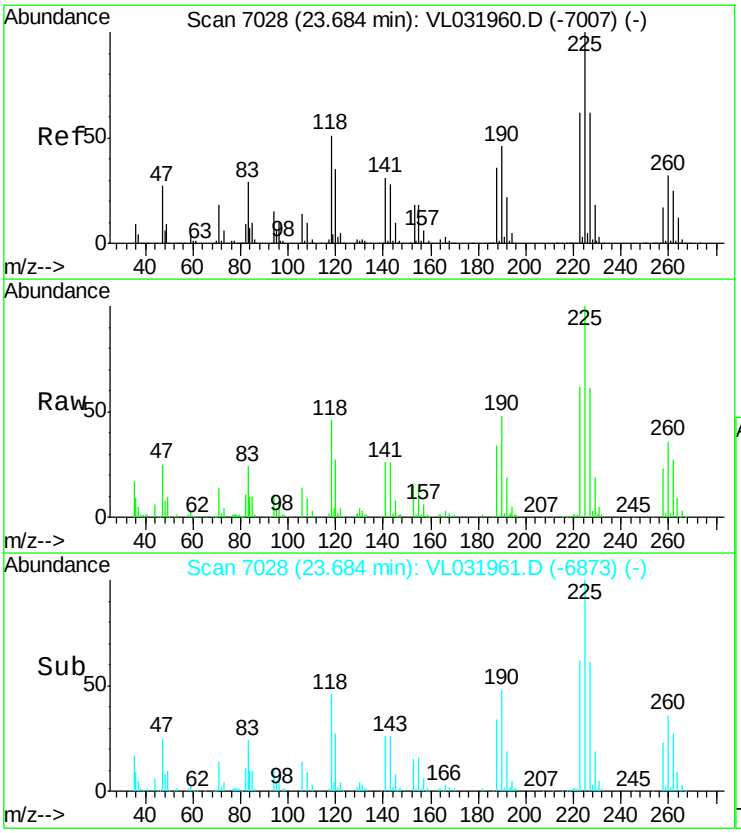
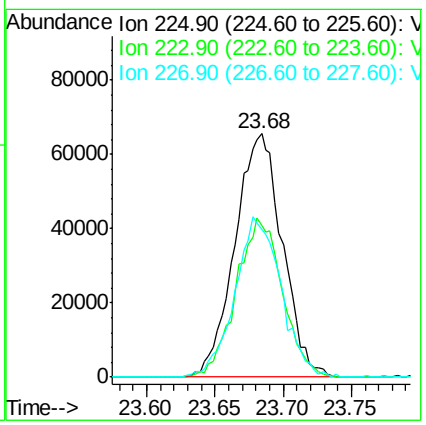
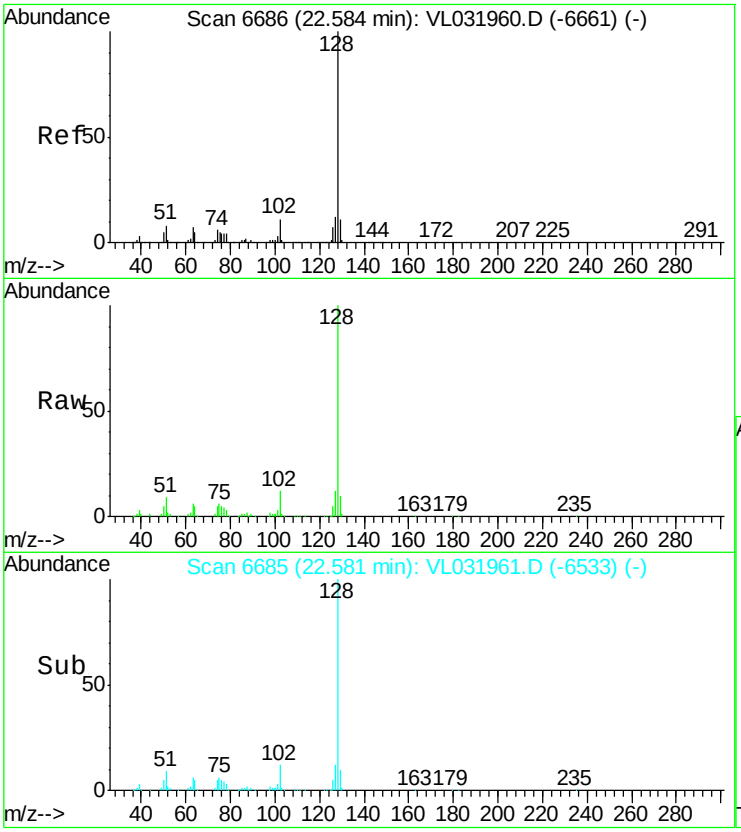


#78
Hexachloro-1,3-Butadiene
Concen: 2.05 ppbv
RT: 23.68 min Scan# 7028
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:225 Resp: 158248

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	63.9	52.2	78.4

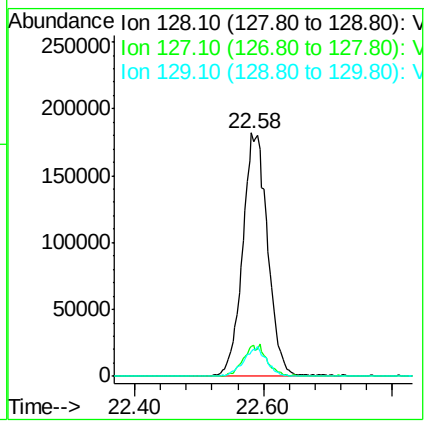




#79
Naphthalene
Concen: 2.63 ppbv m
RT: 22.58 min Scan# 6685
Delta R.T. -0.01 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:128 Resp: 490846

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.2	9.4	14.2



Instrument :
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ClientSampleId :
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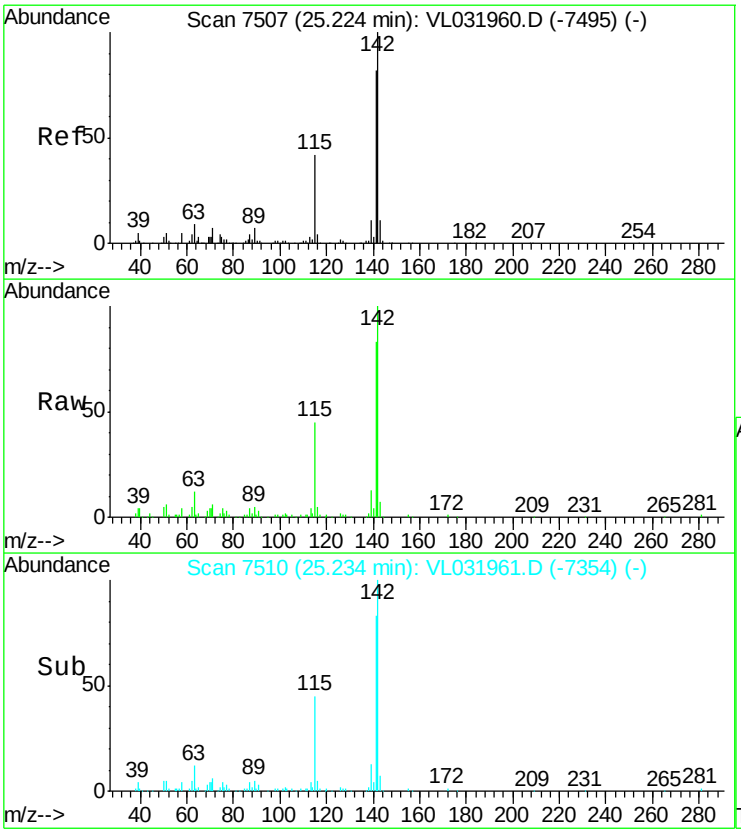
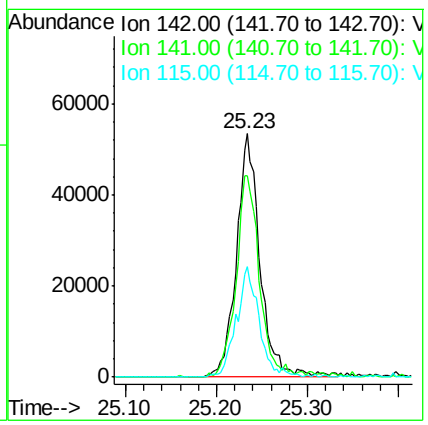
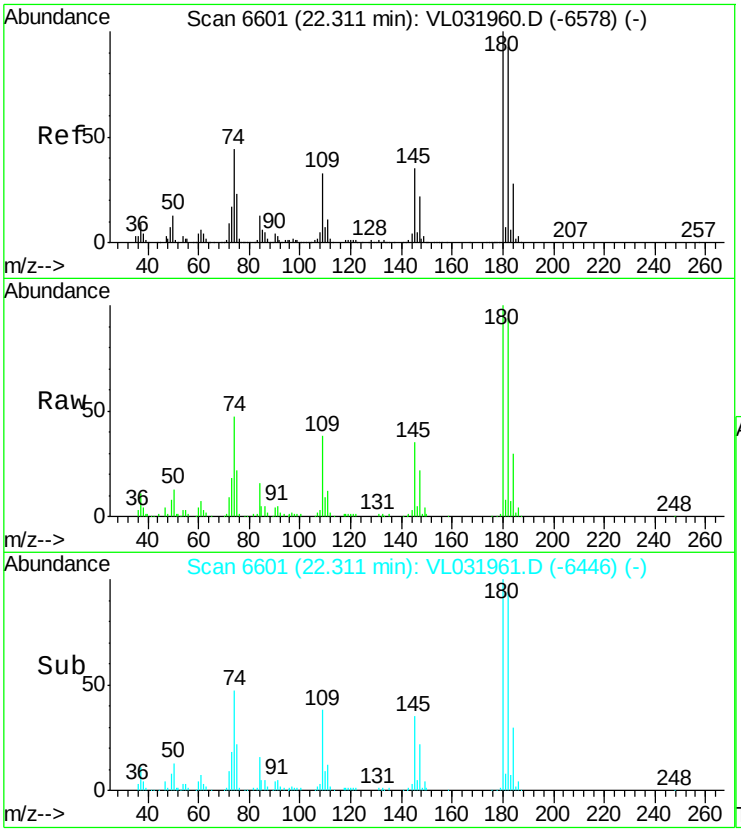


#80
Naphthalene,2-methyl-
Concen: 2.63 ppbv
RT: 25.23 min Scan# 7510
Delta R.T. 0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:142 Resp: 96044

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.4
115	44.2	35.3	52.9

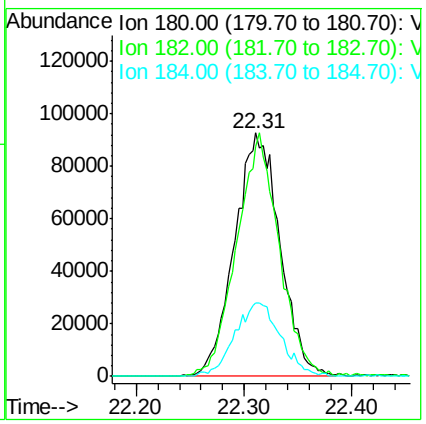




#81
1,2,4-Trichlorobenzene
Concen: 2.59 ppbv
RT: 22.31 min Scan# 6601
Delta R.T. -0.00 min
Lab File: VL031961.D
Acq: 3 May 2018 12:06

Tgt Ion:180 Resp: 268363

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
184	30.7	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
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