Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081720\
Data File : VL035422.D
Acq On : 17 Aug 2020 15:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
8/20/2020 11:05:40 AM

Quant Time: Aug 17 16:37:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 1
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1147566	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	5148183m	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	5235106	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	3668232	8.27	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	241498	1.585	ppbv		97
3) Chlorodifluoromethane	2.99	51	153773	1.046	ppbv		93
4) Chloromethane	3.14	50	80695	1.042	ppbv		95
5) Vinyl Chloride	3.26	62	92971	1.181	ppbv		94
6) Bromomethane	3.48	94	83380	1.932	ppbv		100
7) Chloroethane	3.56	64	34279	1.313	ppbv		96
8) Dichlorotetrafluoroethane	3.19	85	307426	1.770	ppbv	#	57
9) Propene	3.01	41	63144	0.905	ppbv		99
10) Heptane	8.14	43	163621	0.928	ppbv	#	82
11) Trichlorofluoromethane	3.96	101	363714	1.989	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	270625	2.272	ppbv	#	77
13) Ethanol	3.62	45	27170	1.219	ppbv		98
14) Bromoethene	3.74	108	116850	2.236	ppbv	#	94
15) Acetone	3.86	43	147515	0.977	ppbv	#	78
16) 1,3-Butadiene	3.33	39	58521	0.846	ppbv	#	74
17) tert-Butyl alcohol	4.30	59	185997	1.298	ppbv		99
18) 1,1-Dichloroethene	4.30	96	115808	2.164	ppbv	#	63
19) Isopropyl Alcohol	3.98	45	101842	0.956	ppbv	#	95
20) Methylene Chloride	4.35	84	119582	2.135	ppbv	#	63
21) Allyl Chloride	4.42	41	69358	0.786	ppbv	#	80
22) trans-1,2-Dichloroethene	4.90	96	124424	2.334	ppbv	#	62
23) Vinyl Acetate	5.09	43	195708	0.884	ppbv	#	93
24) 1,1-Dichloroethane	5.02	63	202611	1.284	ppbv		95
25) Ethyl Acetate	5.69	43	283118	0.936	ppbv	#	94
26) Hexane	5.70	57	160847	1.224	ppbv	#	75
27) Carbon Disulfide	4.56	76	209899	1.641	ppbv	#	87
28) Methyl tert-Butyl Ether	5.05	73	283629	1.399	ppbv		91
29) Chloroform	5.76	83	318794	1.580	ppbv		100
30) Cyclohexane	7.15	84	168851	1.618	ppbv	#	59
31) cis-1,2-Dichloroethene	5.56	61	162782	1.216	ppbv	#	71
32) 1,1,1-Trichloroethane	6.53	97	294640	1.465	ppbv	#	90
34) 2-Butanone	5.26	43	190573	0.480	ppbv	#	78
35) Carbon Tetrachloride	7.04	117	310337	0.811	ppbv		98
36) Benzene	6.91	78	417261	0.799	ppbv	#	90
37) 1,2-Dichloroethane	6.32	62	186403	0.579	ppbv	#	88
38) Trichloroethene	7.85	130	230031	1.139	ppbv	#	81
39) 1,2-Dichloropropane	7.63	63	137150	0.651	ppbv	#	81
40) 1,4-Dioxane	7.88	88	79054m	0.970	ppbv		
41) Tetrahydrofuran	6.08	42	98468	0.441	ppbv	#	63
42) Bromodichloromethane	7.81	83	306735	0.744	ppbv	#	96
43) Methyl Methacrylate	8.04	69	156496	0.688	ppbv	#	59

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081720\
Data File : VL035422.D
Acq On : 17 Aug 2020 15:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
8/20/2020 11:05:40 AM

Quant Time: Aug 17 16:37:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 1
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	562371	0.616	ppbv	#	91
45) t-1,3-Dichloropropene	9.30	75	147192	0.616	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	192818	0.667	ppbv	#	77
47) 1,1,2-Trichloroethane	9.50	97	200072	0.945	ppbv		93
48) Dibromochloromethane	10.33	129	321735	1.043	ppbv		98
49) Bromoform	13.07	173	299775	1.237	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	269925	0.470	ppbv	#	85
51) 2-Hexanone	10.17	43	223510	0.458	ppbv	#	80
52) Tetrachloroethene	11.25	164	249740	1.344	ppbv	#	84
53) Toluene	9.83	91	543556	0.914	ppbv		97
54) 1,2-Dibromoethane	10.64	107	330732	1.012	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.15	131	269950	1.048	ppbv	#	1
57) Chlorobenzene	12.17	112	503032	1.064	ppbv	#	77
58) Ethyl Benzene	12.74	91	723109	0.834	ppbv		95
59) m/p-Xylene	13.02	91	1226336m	1.696	ppbv		
60) o-Xylene	13.72	91	596358	0.838	ppbv		89
61) Styrene	13.56	104	466055	0.959	ppbv	#	86
62) Isopropylbenzene	14.70	105	1001253	0.953	ppbv		94
63) 1,1,2,2-Tetrachloroethane	13.70	83	428358	0.776	ppbv		99
64) n-propylbenzene	15.59	120	288946	1.085	ppbv		70
65) tert-Butylbenzene	16.78	119	976269	1.085	ppbv	#	78
66) Benzyl Chloride	17.03	91	168899	0.573	ppbv	#	91
67) sec-Butylbenzene	17.33	105	1316160	0.991	ppbv		92
69) p-Isopropyltoluene	17.69	119	1151228	1.064	ppbv	#	88
70) n-Butylbenzene	18.59	91	1085243	0.858	ppbv	#	94
71) 2-Chlorotoluene	15.48	91	703913	0.819	ppbv		82
72) 4-Ethyltoluene	15.87	105	785927	0.943	ppbv	#	92
73) 1,3,5-Trimethylbenzene	16.03	105	735560	0.935	ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.80	105	810568	0.962	ppbv	#	90
75) 1,3-Dichlorobenzene	17.03	146	618420	1.348	ppbv		92
76) 1,4-Dichlorobenzene	17.17	146	599934	1.275	ppbv		90
77) 1,2-Dichlorobenzene	17.85	146	602374	1.303	ppbv		91
78) Hexachloro-1,3-Butadiene	23.42	225	482274	1.358	ppbv		100
79) Naphthalene	22.25	128	1126851	1.145	ppbv		97
80) Naphthalene,2-methyl-	25.01	142	405637	0.988	ppbv	#	90
81) 1,2,4-Trichlorobenzene	21.98	180	673091	1.443	ppbv		100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081720\
Data File : VL035422.D
Acq On : 17 Aug 2020 15:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 17 16:37:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug
QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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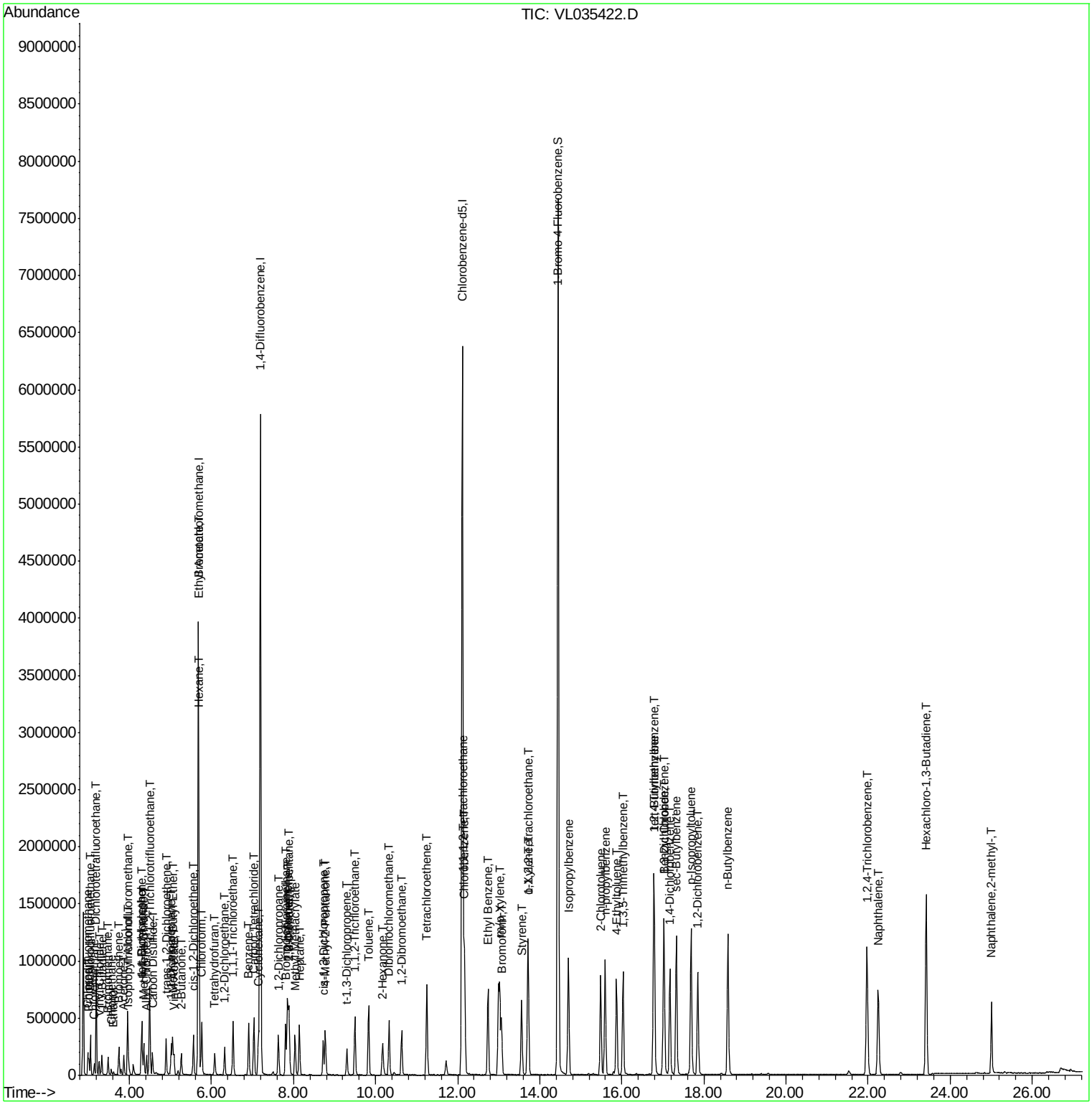
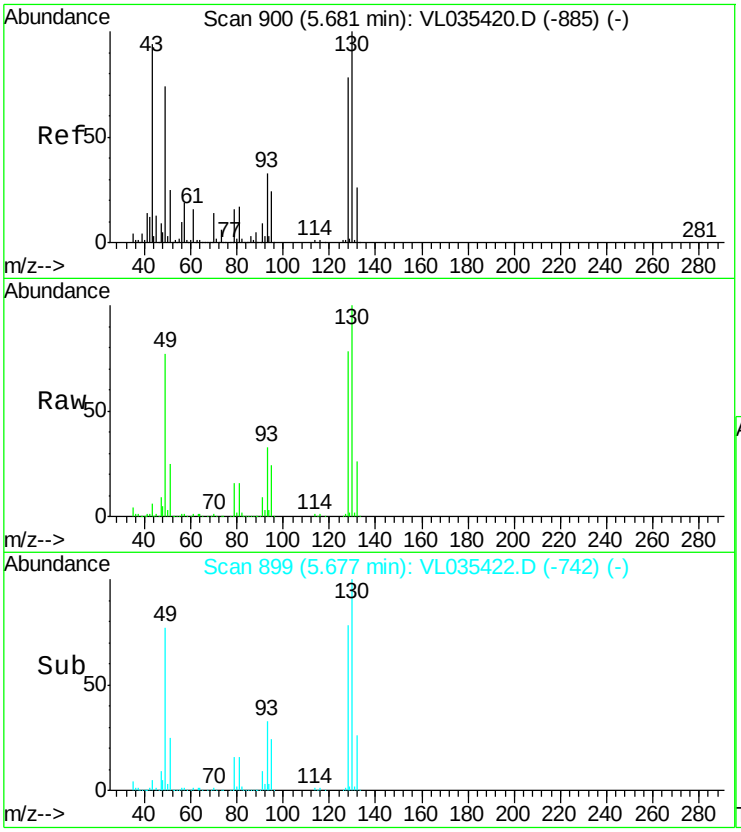
8/20/2020 11:05:40 AM

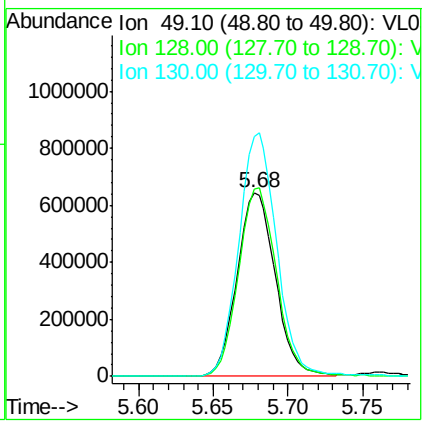




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 49 Resp: 1147566

Ion	Ratio	Lower	Upper
49	100		
128	103.1	20.9	62.7#
130	132.4	26.7	80.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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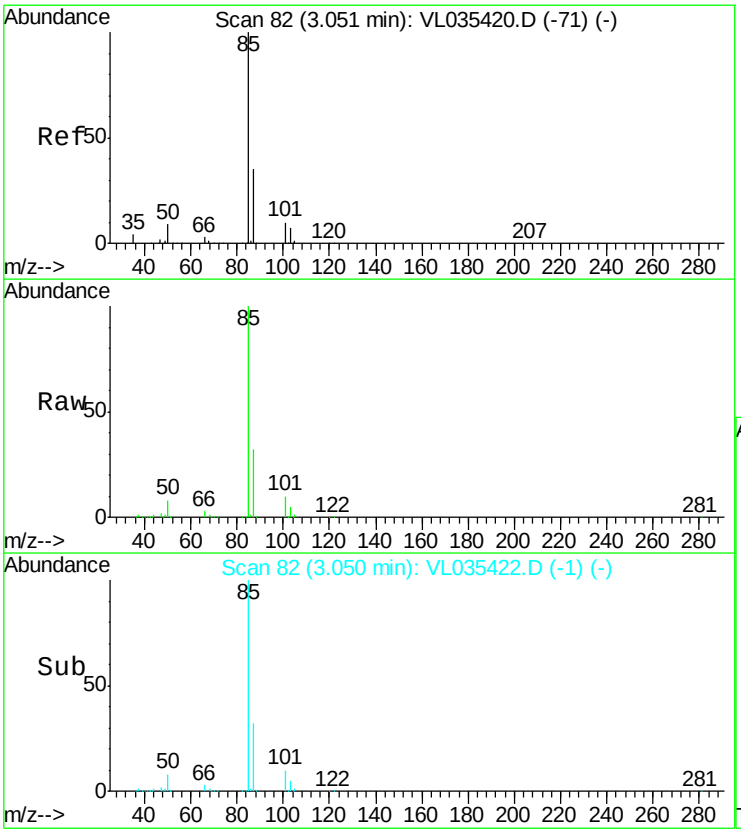
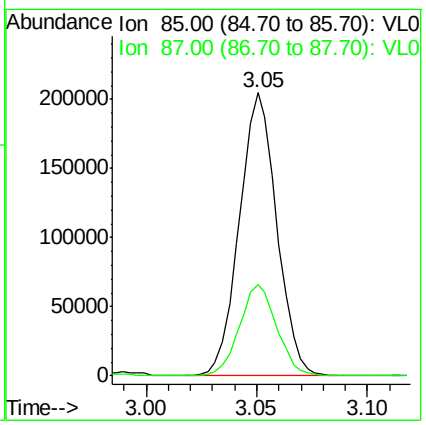
8/20/2020 11:05:40 AM

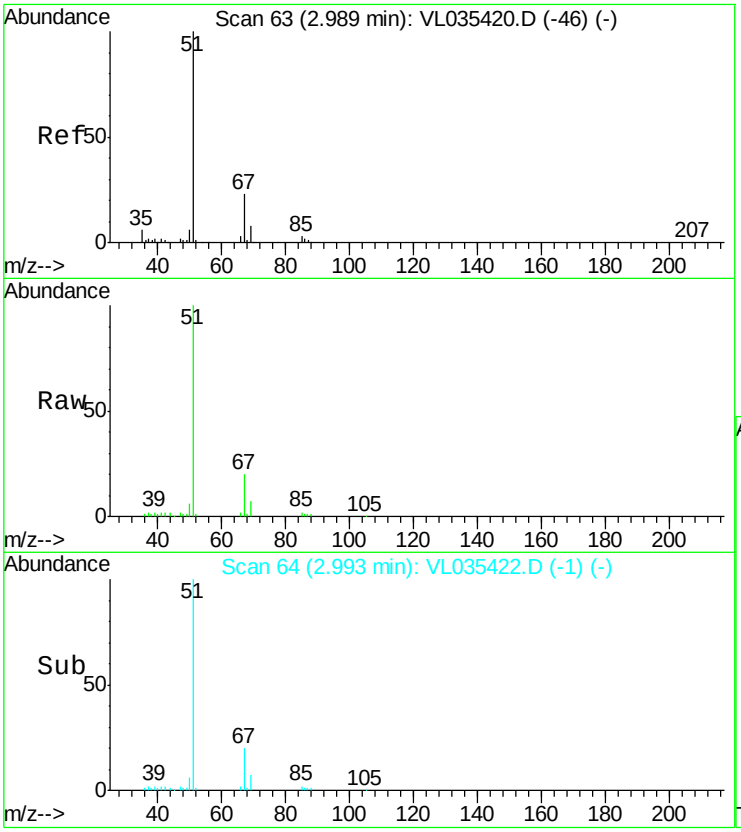


#2
Dichlorodifluoromethane
Concen: 1.585 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 85 Resp: 241498

Ion	Ratio	Lower	Upper
85	100		
87	32.1	27.1	40.7

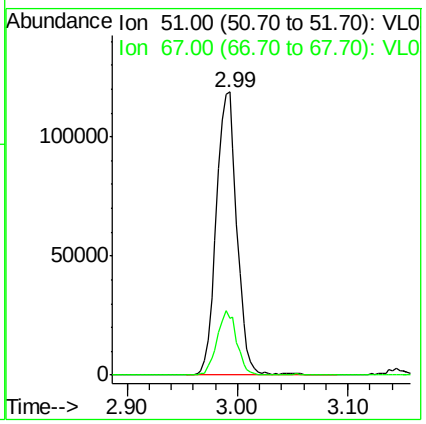




#3
Chlorodifluoromethane
Concen: 1.046 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 51 Resp: 153773

Ion	Ratio	Lower	Upper
51	100		
67	21.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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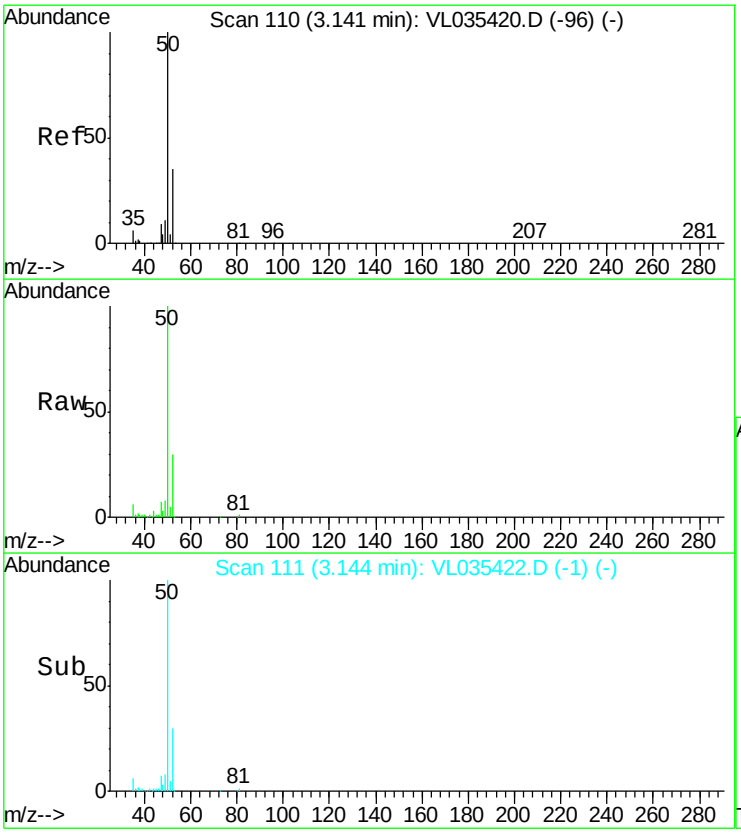
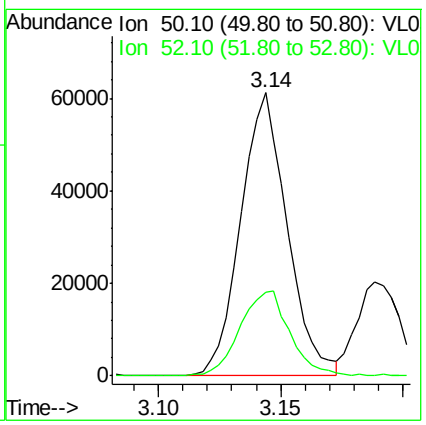
8/20/2020 11:05:40 AM

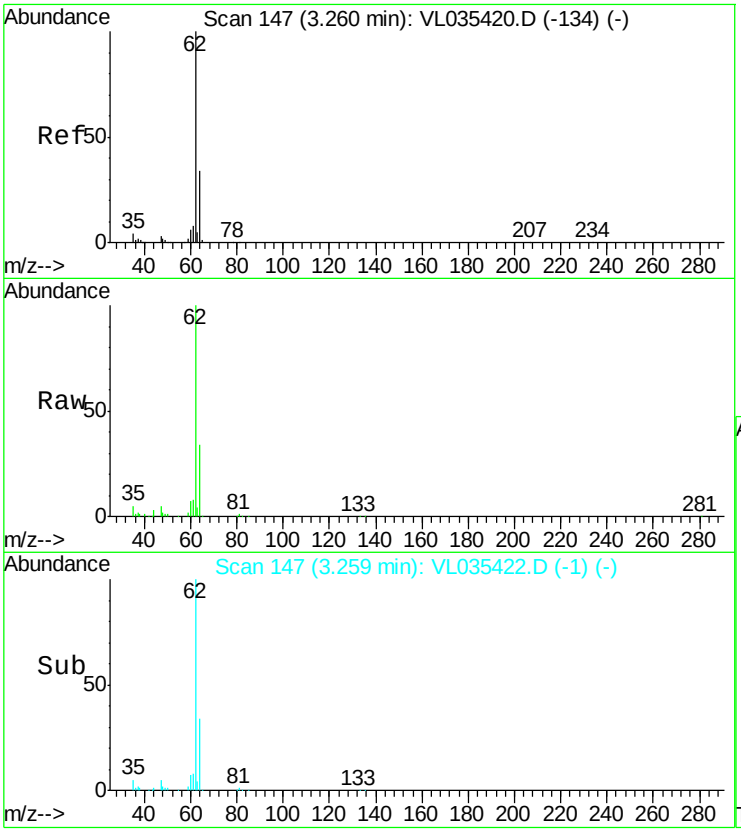


#4
Chloromethane
Concen: 1.042 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 50 Resp: 80695

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.9	38.9

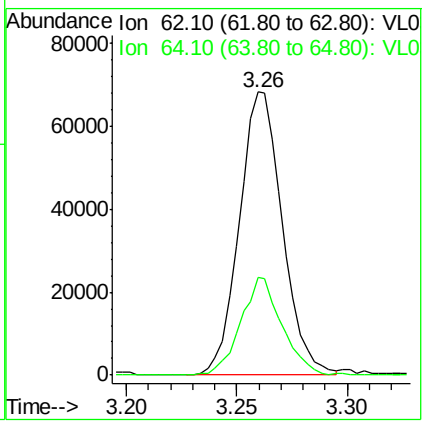




#5
Vinyl Chloride
Concen: 1.181 ppbv
RT: 3.26 min Scan# 147
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 62 Resp: 92971

Ion	Ratio	Lower	Upper
62	100		
64	34.3	25.0	37.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
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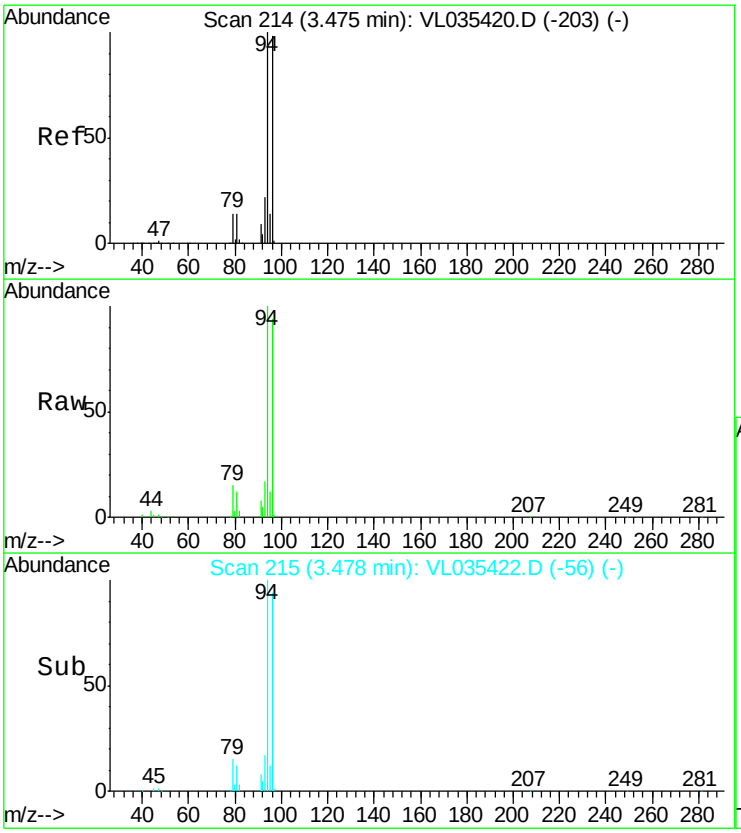
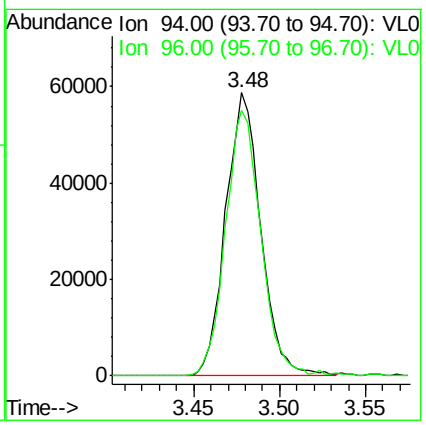
8/20/2020 11:05:40 AM

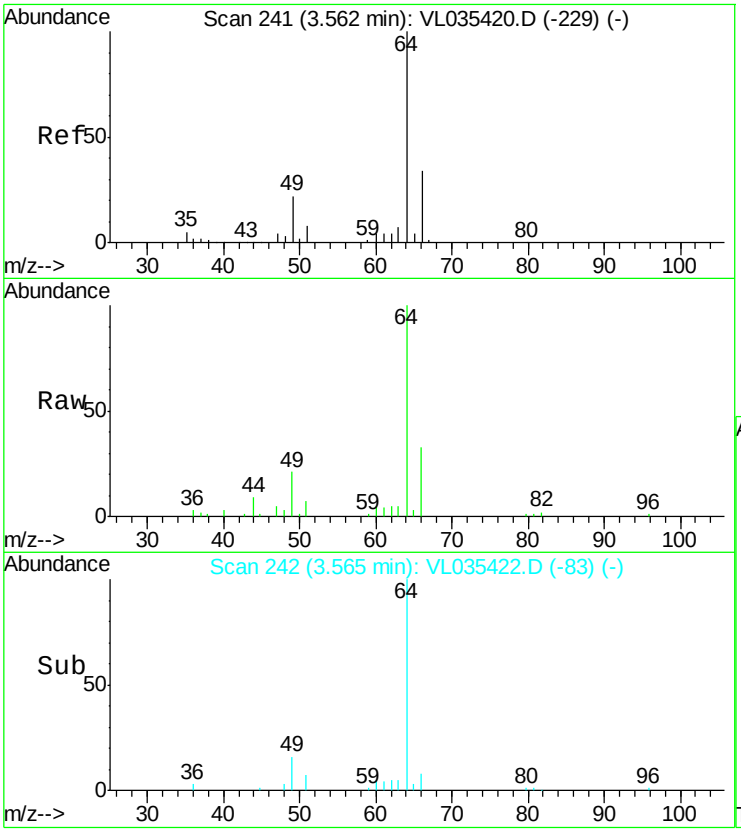


#6
Bromomethane
Concen: 1.932 ppbv
RT: 3.48 min Scan# 215
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 94 Resp: 83380

Ion	Ratio	Lower	Upper
94	100		
96	93.6	75.0	112.6

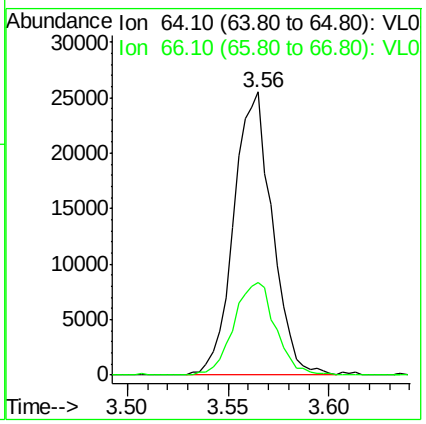




#7
Chloroethane
Concen: 1.313 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 64 Resp: 34279

Ion	Ratio	Lower	Upper
64	100		
66	32.6	24.5	36.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
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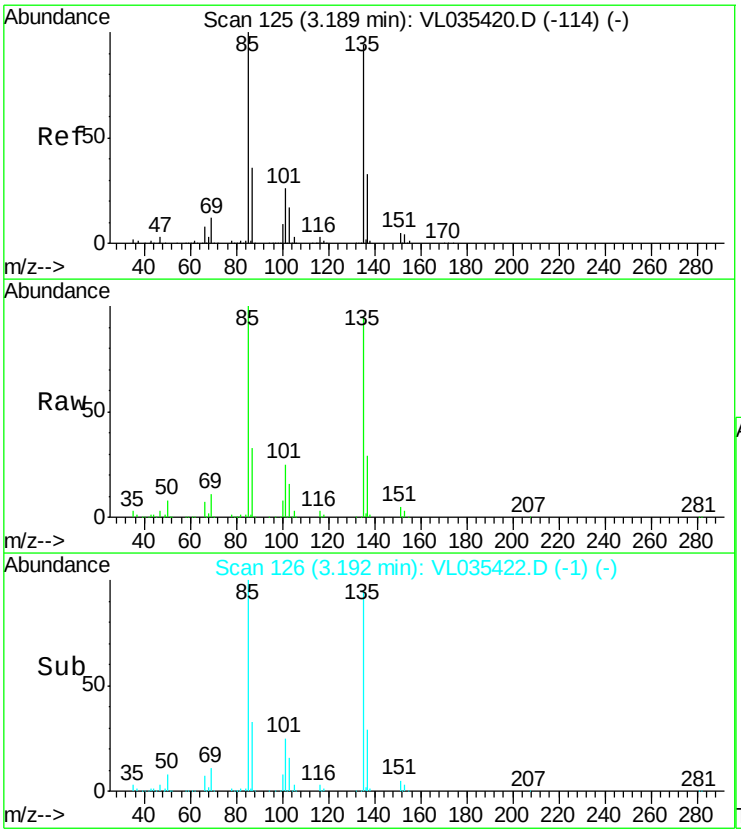
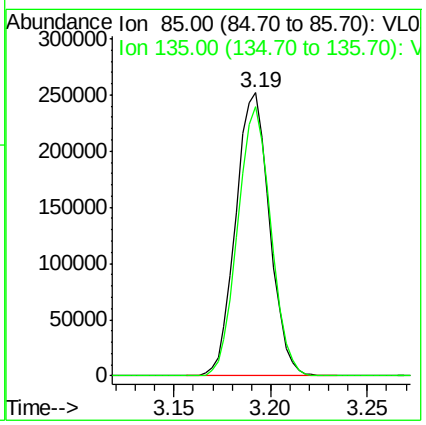
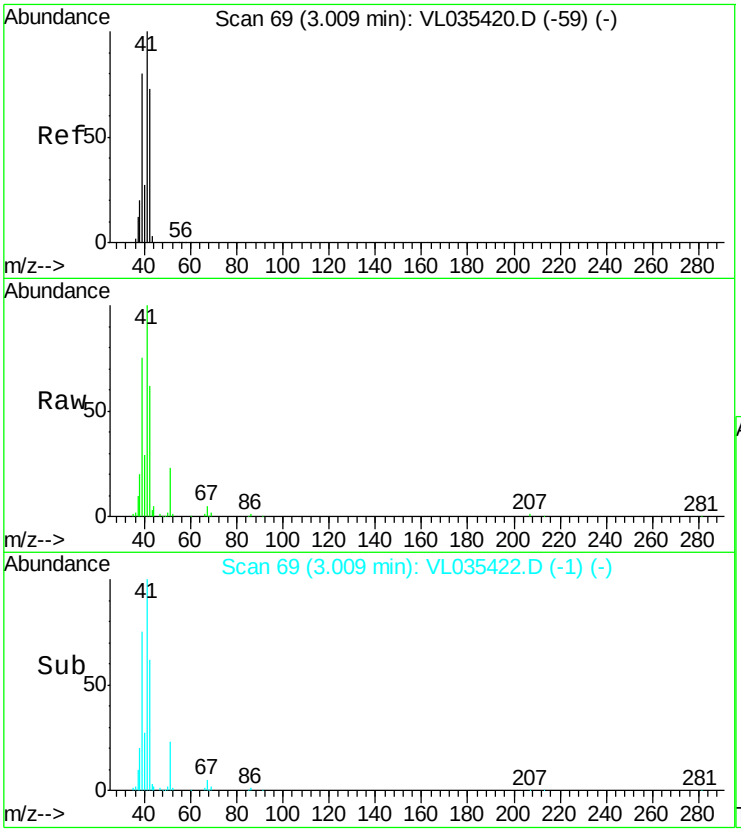


#8
Dichlorotetrafluoroethane
Concen: 1.770 ppbv
RT: 3.19 min Scan# 126
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 85 Resp: 307426

Ion	Ratio	Lower	Upper
85	100		
135	93.4	48.6	72.8#

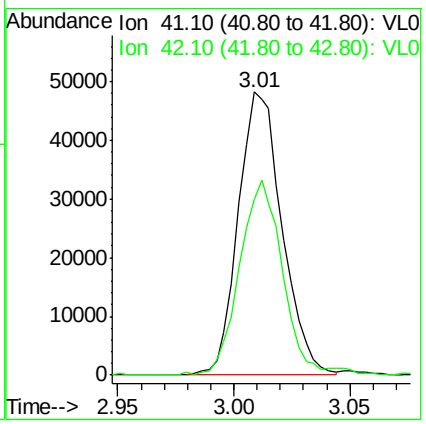




#9
Propene
Concen: 0.905 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

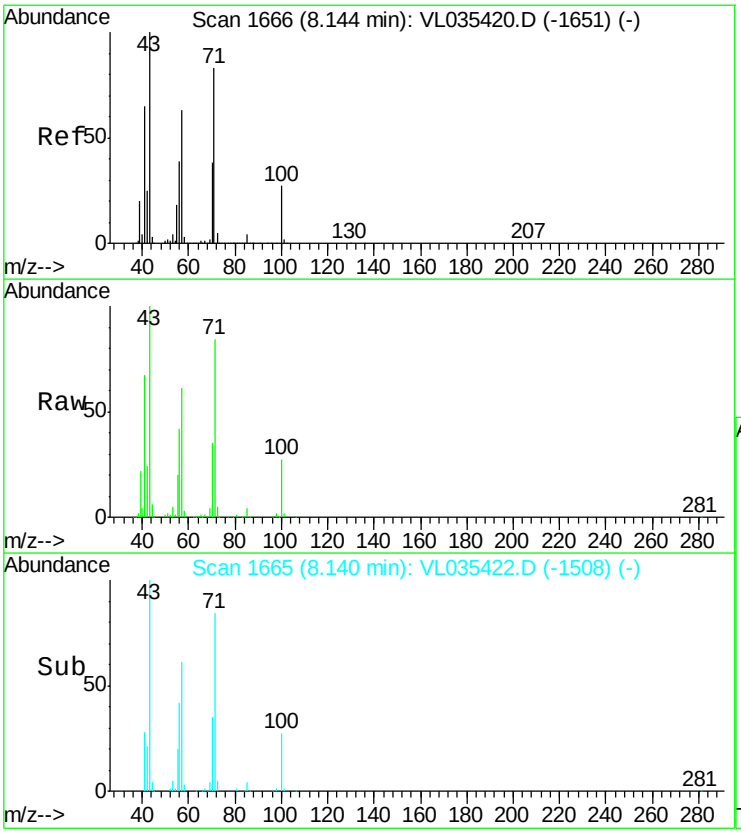
Tgt Ion: 41 Resp: 63144

Ion	Ratio	Lower	Upper
41	100		
42	68.2	55.5	83.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

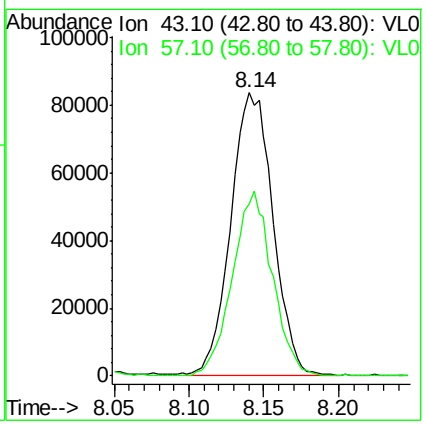
Manual Integrations APPROVED
MMDadoda
8/20/2020 11:05:40 AM

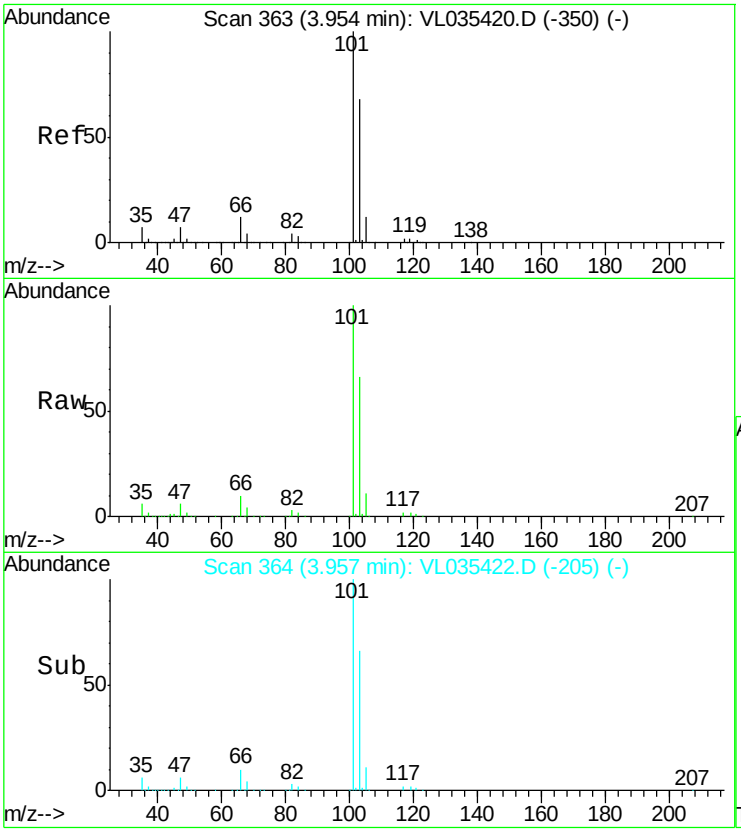


#10
Heptane
Concen: 0.928 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 163621

Ion	Ratio	Lower	Upper
43	100		
57	62.2	39.8	59.6#

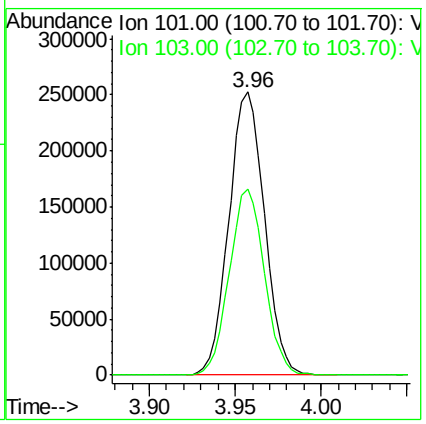




#11
Trichlorofluoromethane
Concen: 1.989 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

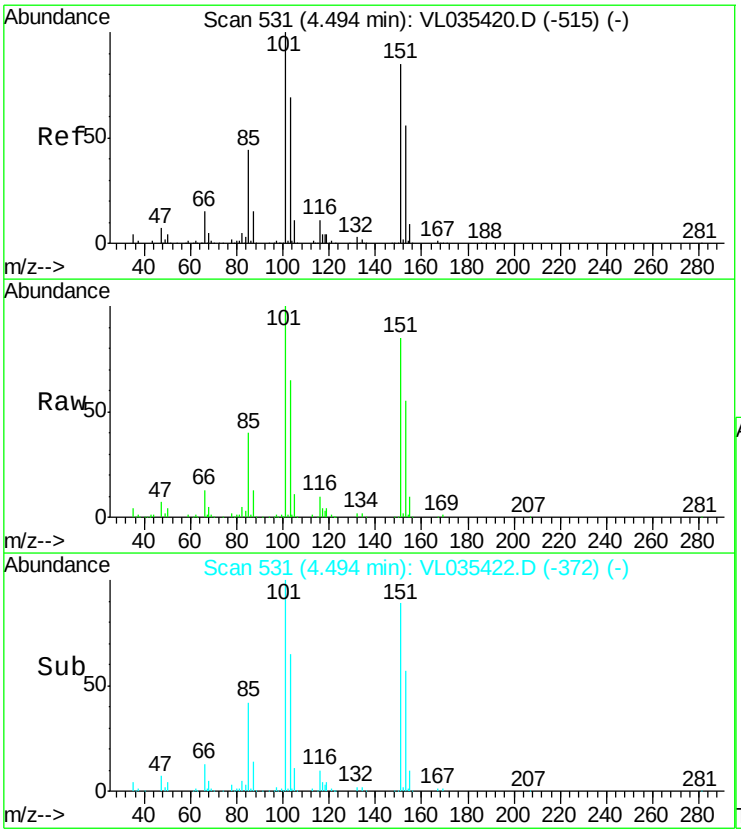
Tgt Ion:101 Resp: 363714

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	78.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

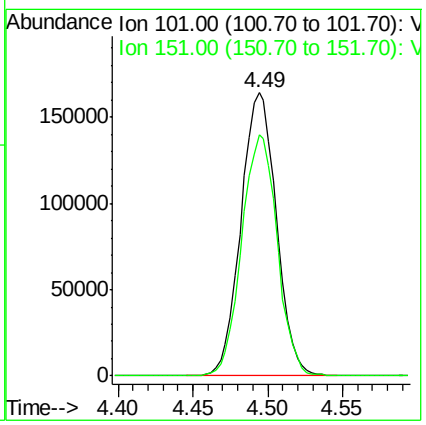
Manual Integrations APPROVED
MMDadoda
8/20/2020 11:05:40 AM

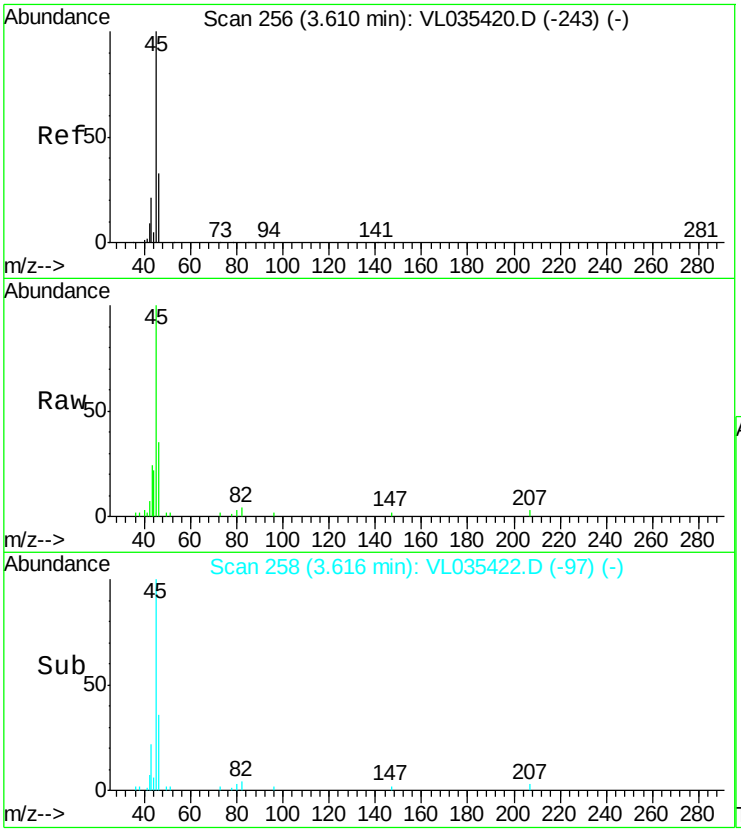


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.272 ppbv
RT: 4.49 min Scan# 531
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:101 Resp: 270625

Ion	Ratio	Lower	Upper
101	100		
151	85.2	53.6	80.4#

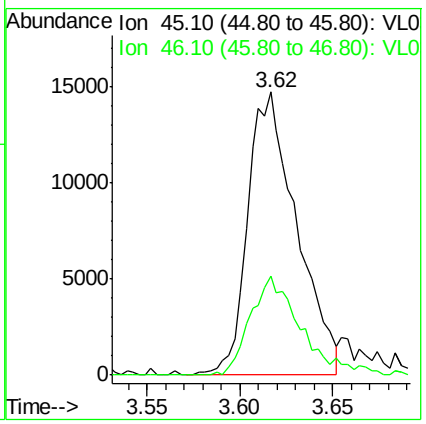




#13
Ethanol
Concen: 1.219 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 45 Resp: 27170

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.2	56.6



Instrument :
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ClientSampleId :
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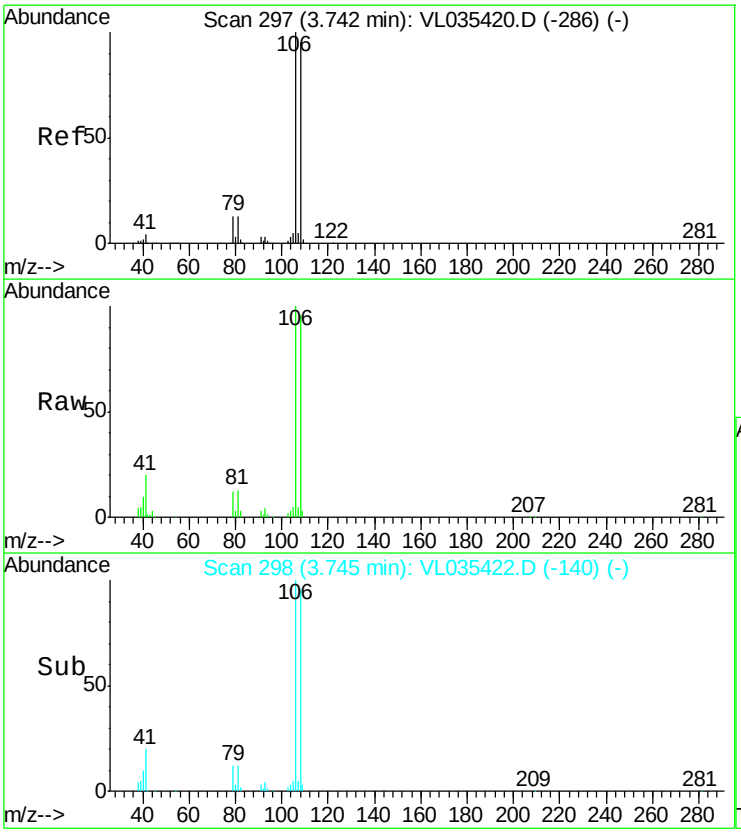
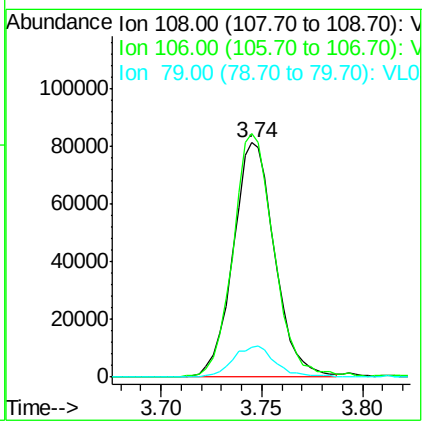
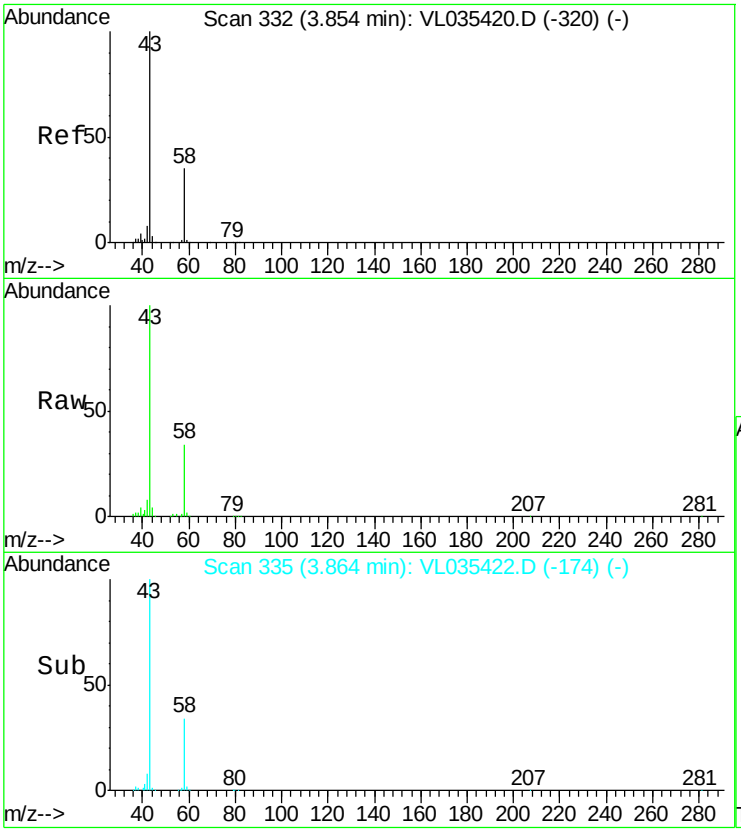


#14
Bromoethene
Concen: 2.236 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:108 Resp: 116850

Ion	Ratio	Lower	Upper
108	100		
106	104.0	86.7	130.1
79	14.0	16.8	25.2#





#15
Acetone
Concen: 0.977 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 147515

Ion	Ratio	Lower	Upper
43	100		
58	37.4	21.0	31.6#

Instrument :
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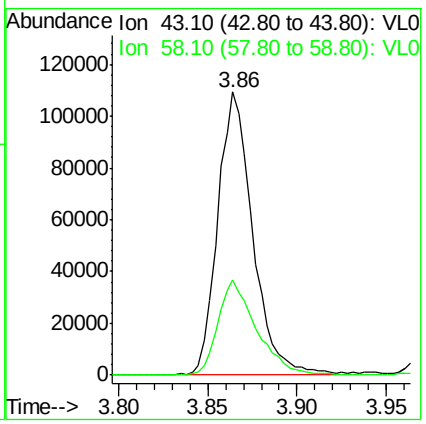
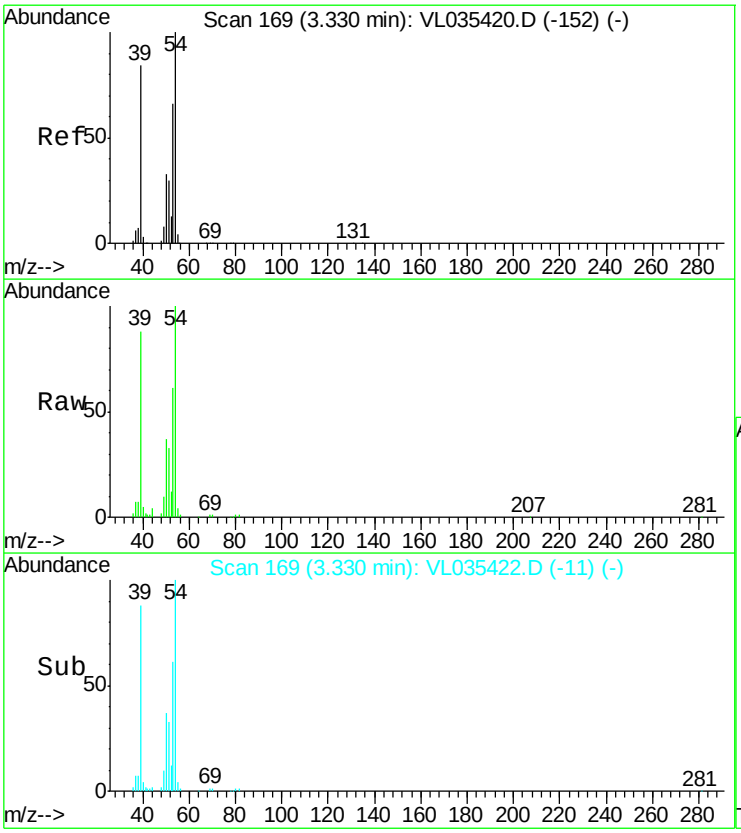
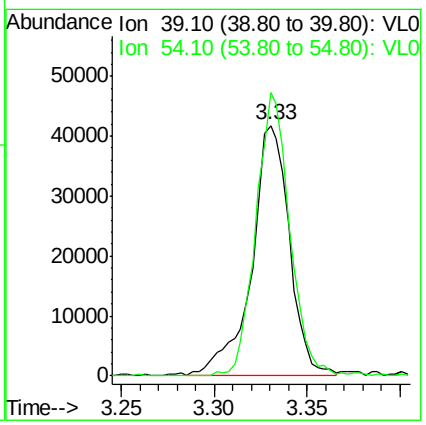


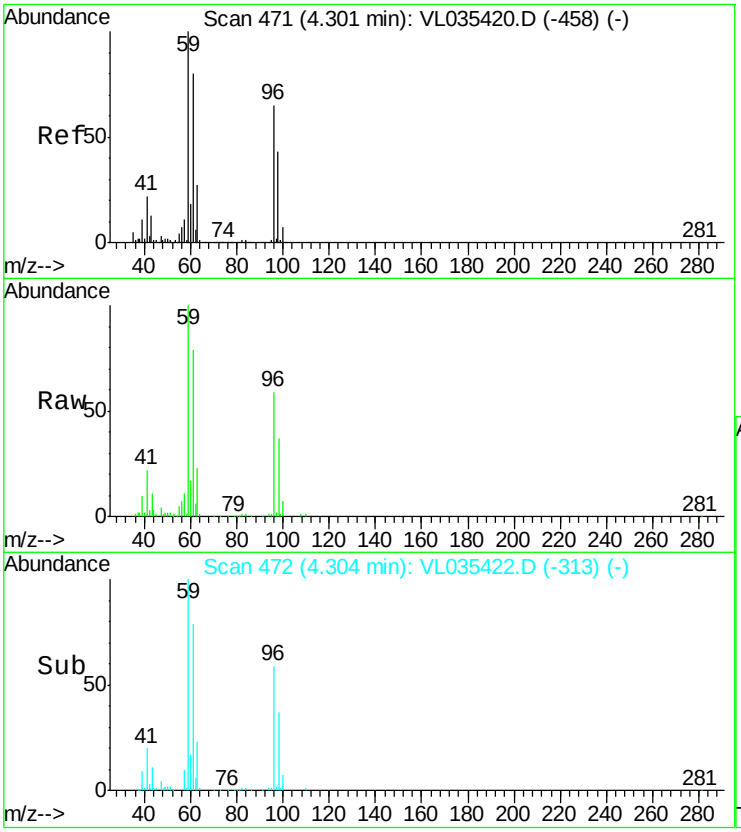


#16
1,3-Butadiene
Concen: 0.846 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 39 Resp: 58521

Ion	Ratio	Lower	Upper
39	100		
54	103.3	64.4	96.6#

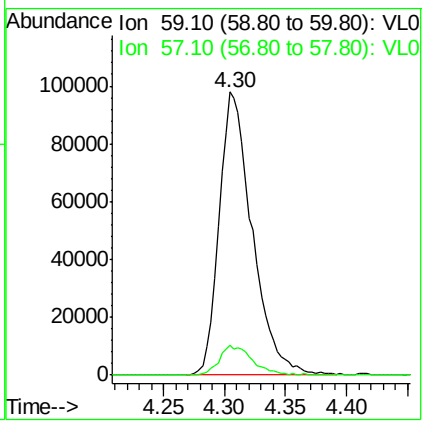




#17
tert-Butyl alcohol
Concen: 1.298 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 59 Resp: 185997

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3



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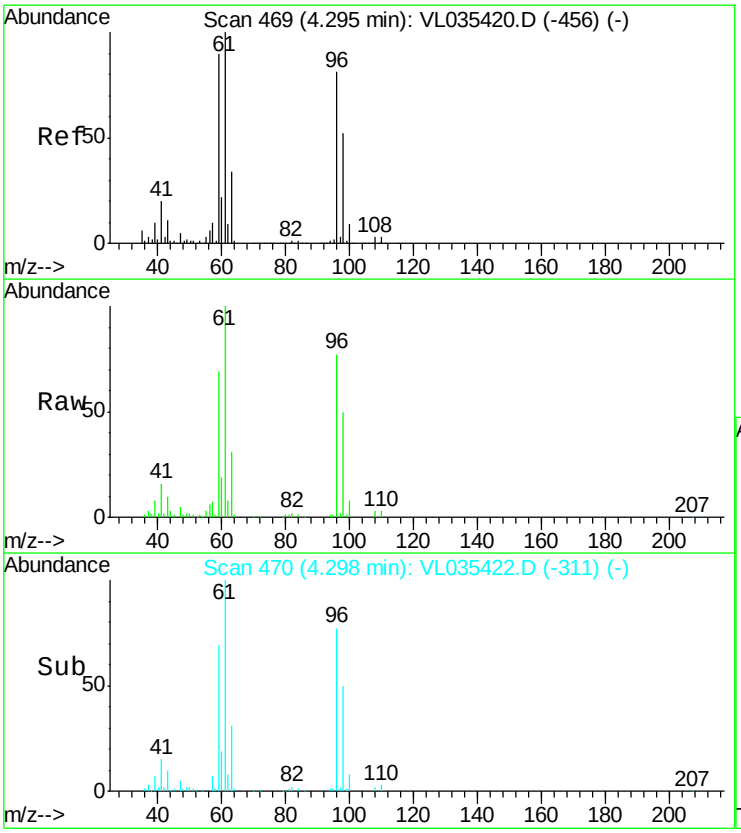
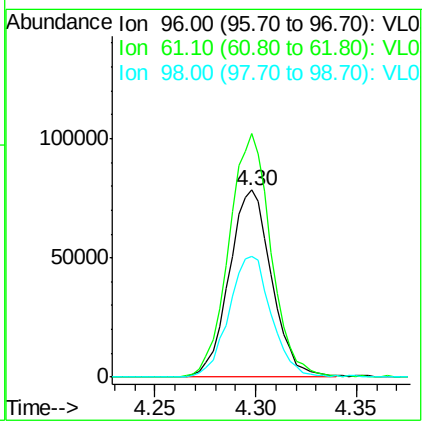
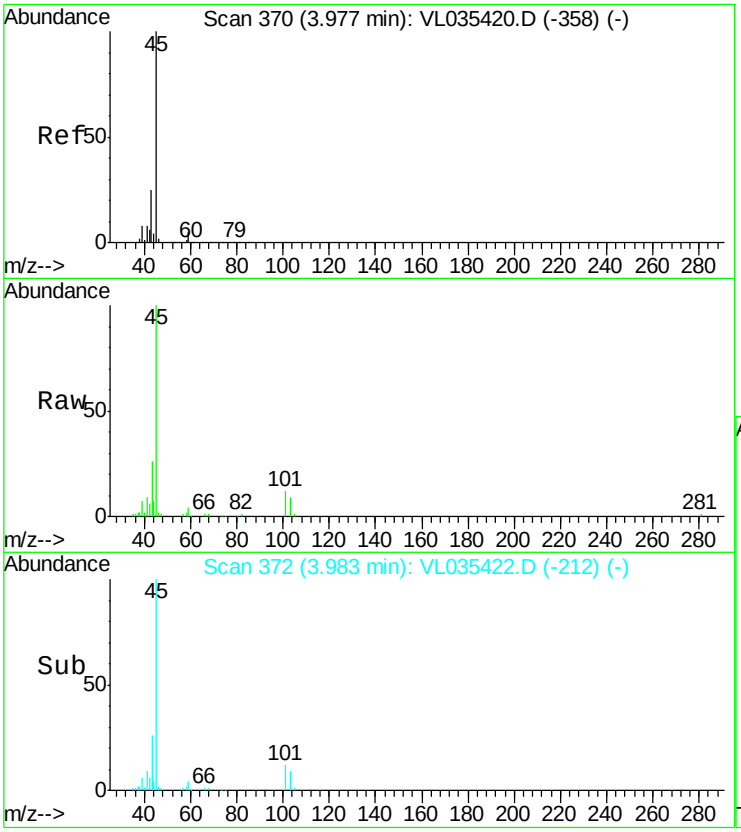


#18
1,1-Dichloroethene
Concen: 2.164 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 96 Resp: 115808

Ion	Ratio	Lower	Upper
96	100		
61	129.4	161.8	242.6#
98	64.3	49.3	73.9





#19
Isopropyl Alcohol
Concen: 0.956 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 45 Resp: 101842

Ion	Ratio	Lower	Upper
45	100		
58	3.2	1.0	1.6#

Instrument :
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ClientSampleId :
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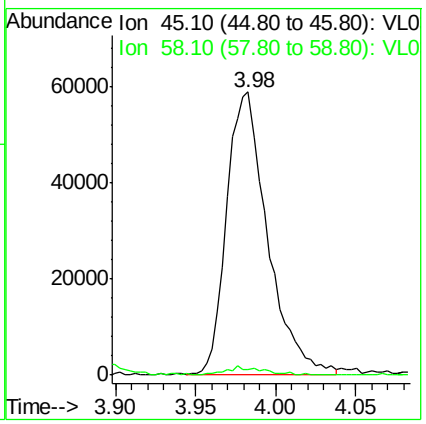
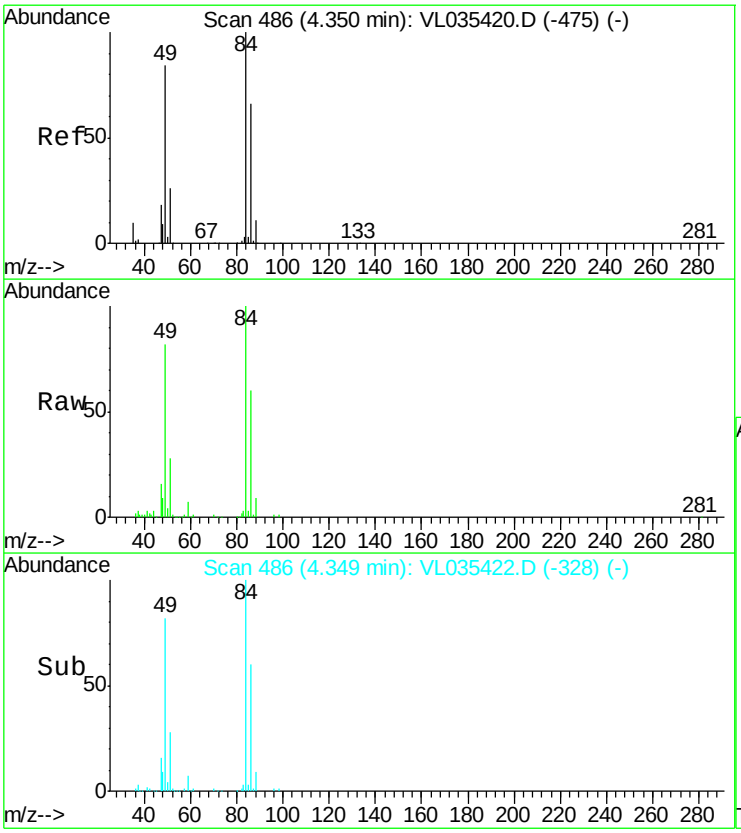
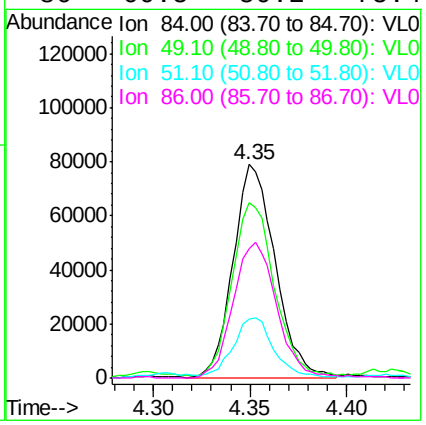


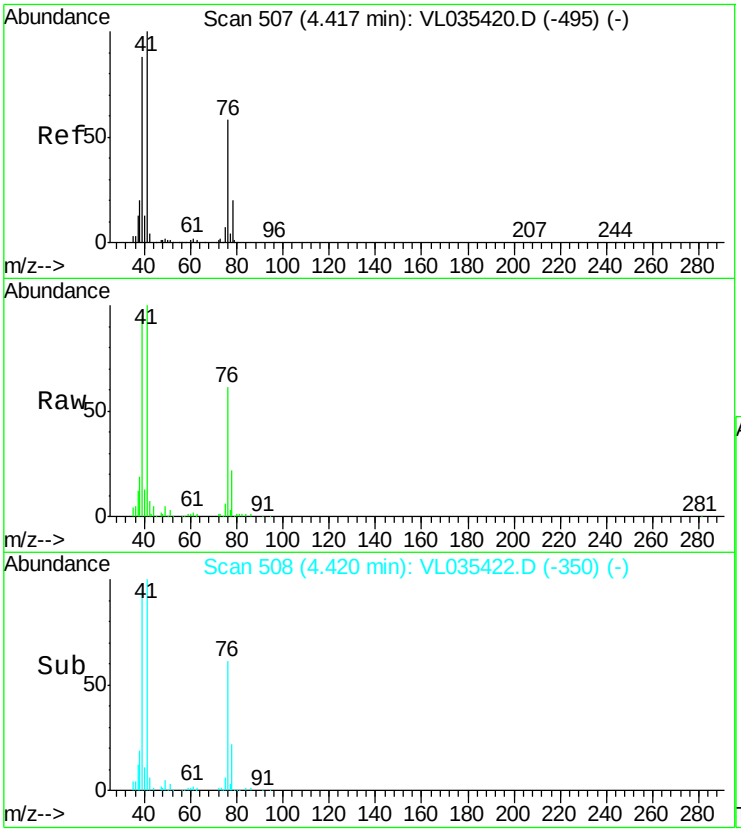


#20
Methylene Chloride
Concen: 2.135 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 84 Resp: 119582

Ion	Ratio	Lower	Upper
84	100		
49	81.0	118.6	177.8#
51	26.8	36.4	54.6#
86	60.5	50.2	75.4

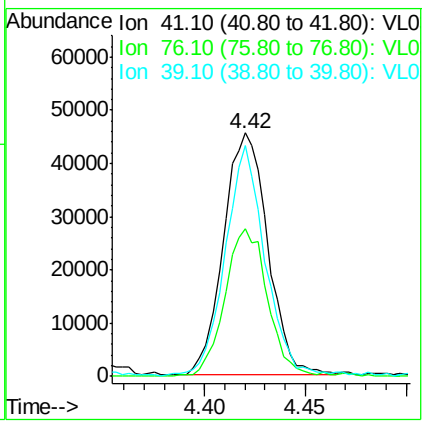




#21
Allvl Chloride
Concen: 0.786 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 41 Resp: 69358

Ion	Ratio	Lower	Upper
41	100		
76	59.7	22.8	34.2#
39	88.3	66.2	99.2



Instrument :
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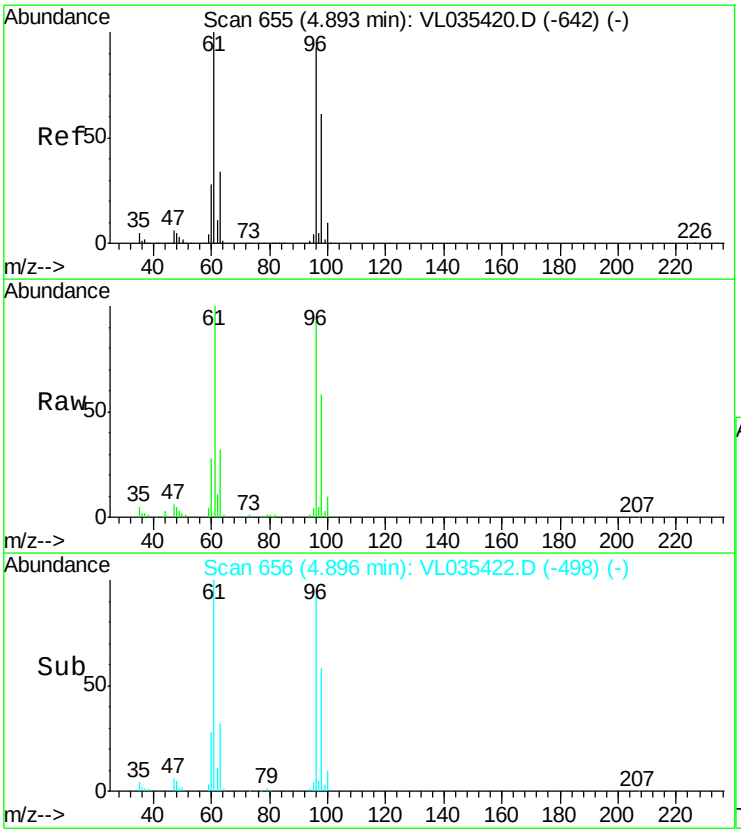
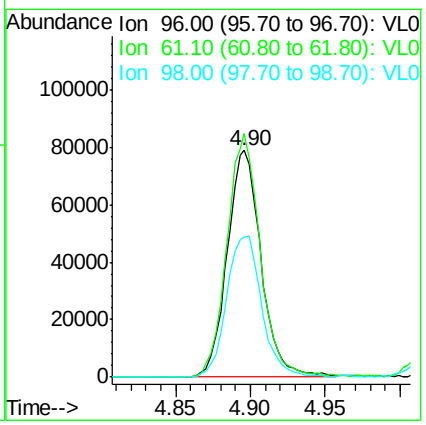
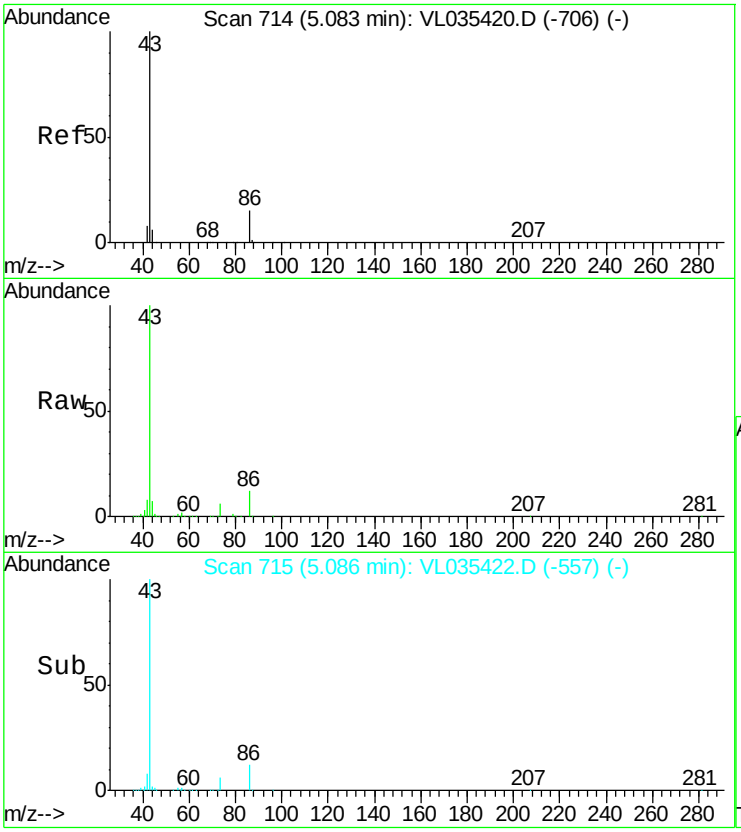


#22
trans-1,2-Dichloroethene
Concen: 2.334 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 96 Resp: 124424

Ion	Ratio	Lower	Upper
96	100		
61	107.4	142.2	213.2#
98	61.9	51.8	77.8

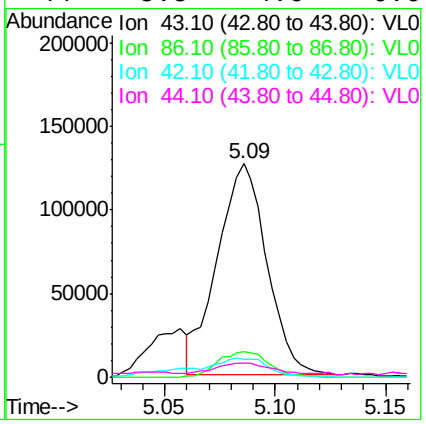




#23
Vinyl Acetate
Concen: 0.884 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 195708

Ion	Ratio	Lower	Upper
43	100		
86	12.2	6.5	9.7#
42	8.1	8.3	12.5#
44	5.5	4.0	6.0



Instrument :
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ClientSampleId :
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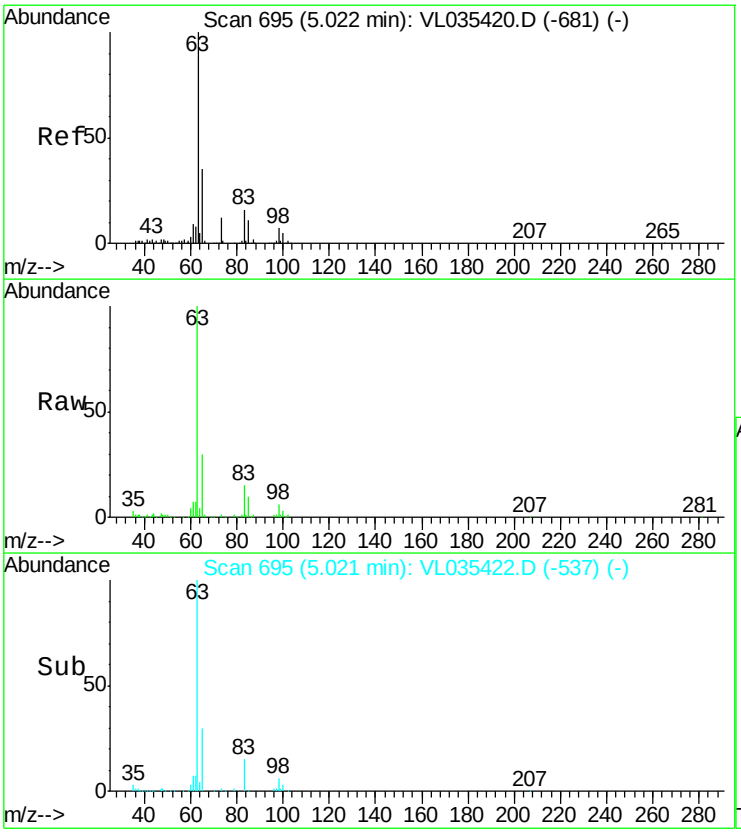
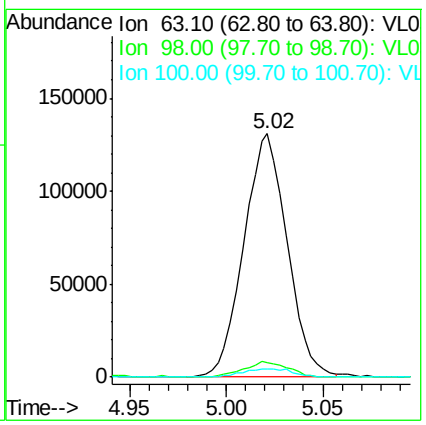
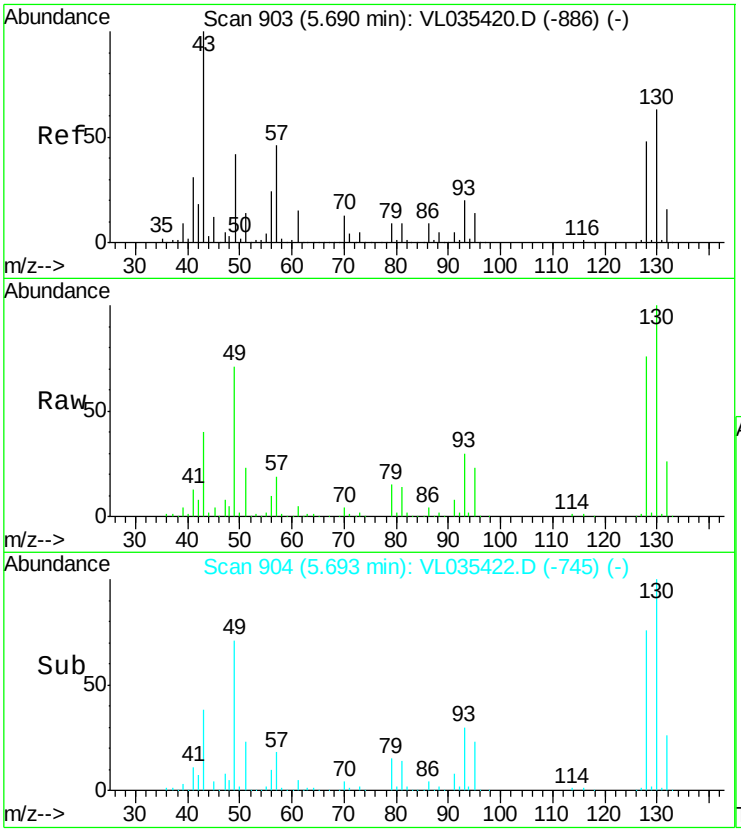


#24
1,1-Dichloroethane
Concen: 1.284 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 63 Resp: 202611

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.1	6.5
100	3.4	1.3	3.8

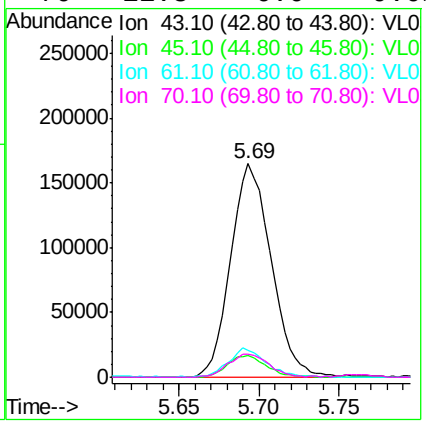




#25
Ethyl Acetate
Concen: 0.936 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 283118

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	13.1	7.6	11.4#
70	11.3	6.0	9.0#



Instrument :
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ClientSampleId :
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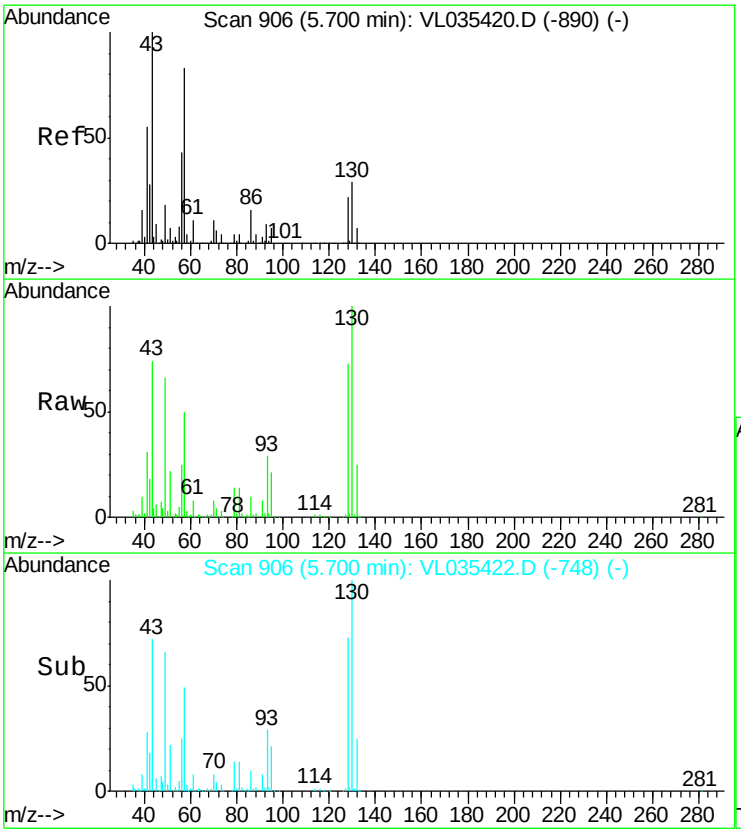
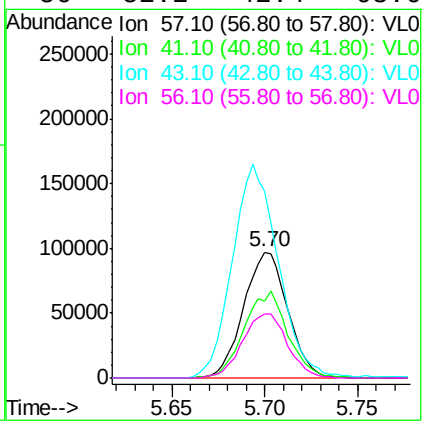
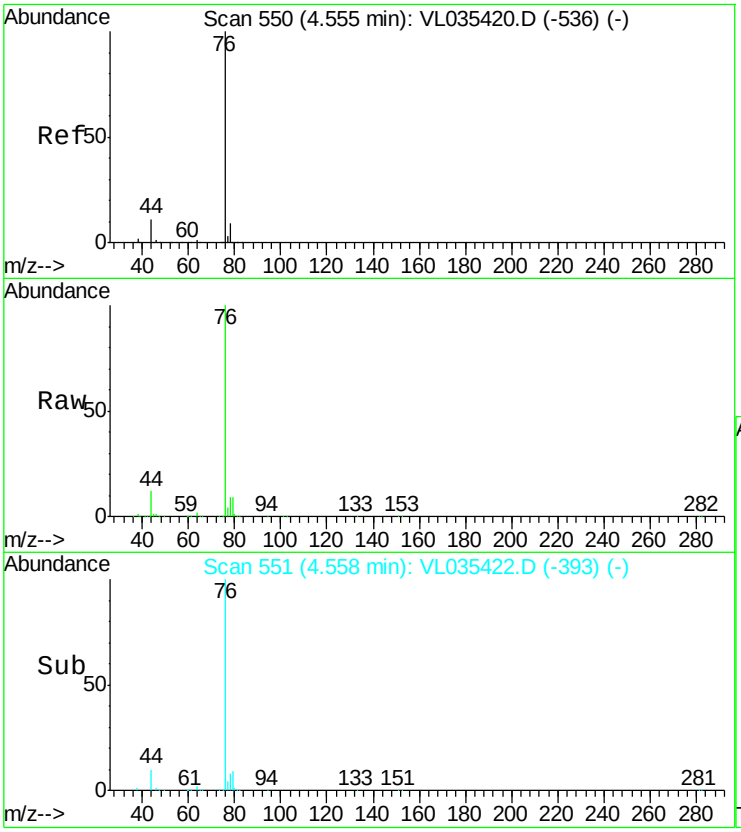


#26
Hexane
Concen: 1.224 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 57 Resp: 160847

Ion	Ratio	Lower	Upper
57	100		
41	68.8	75.5	113.3#
43	177.7	181.7	272.5#
56	52.2	42.4	63.6

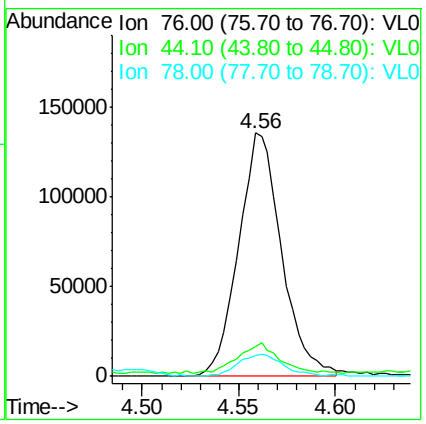




#27
Carbon Disulfide
Concen: 1.641 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 76 Resp: 209899

Ion	Ratio	Lower	Upper
76	100		
44	12.7	16.8	25.2#
78	10.3	7.3	10.9



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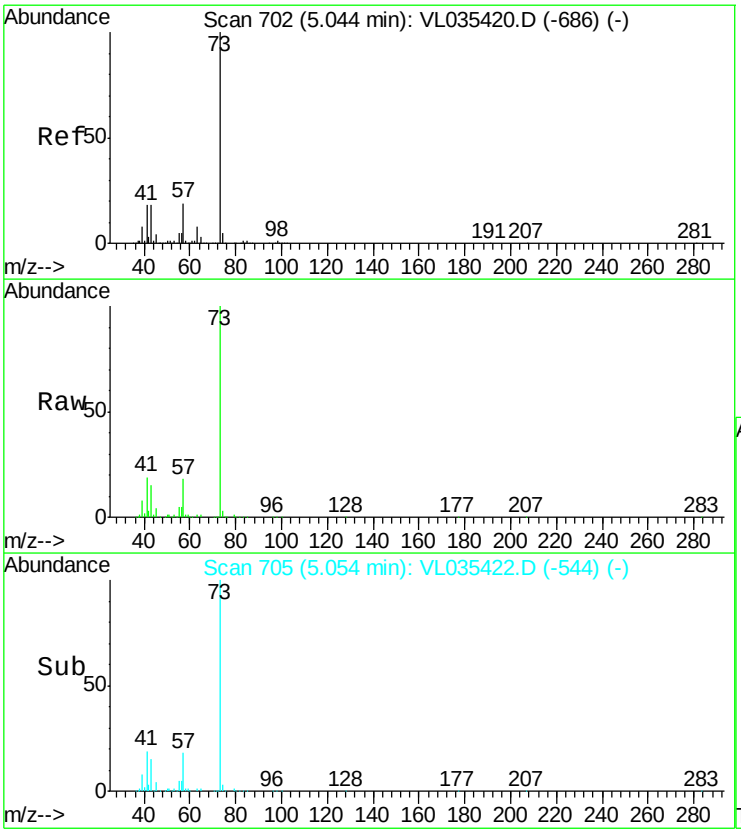
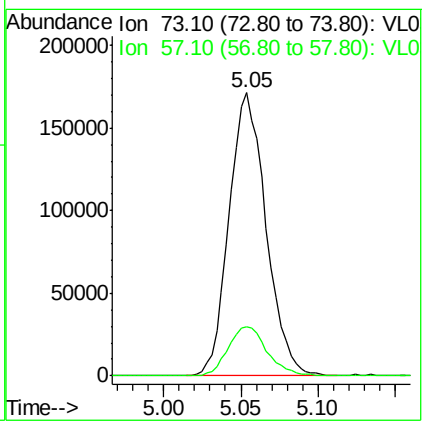
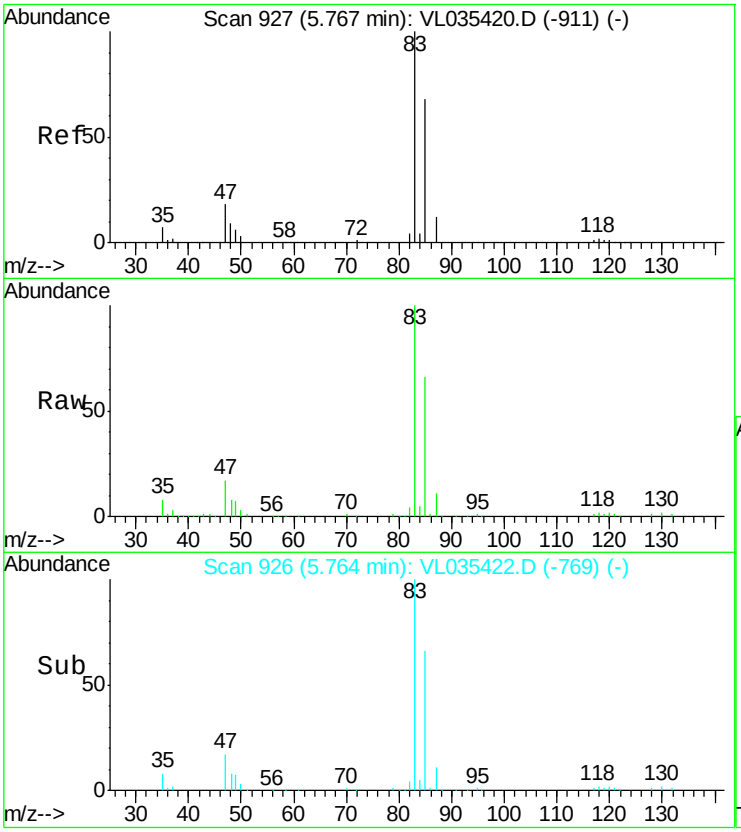


#28
Methyl tert-Butyl Ether
Concen: 1.399 ppbv
RT: 5.05 min Scan# 705
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 73 Resp: 283629

Ion	Ratio	Lower	Upper
73	100		
57	18.5	18.3	27.5

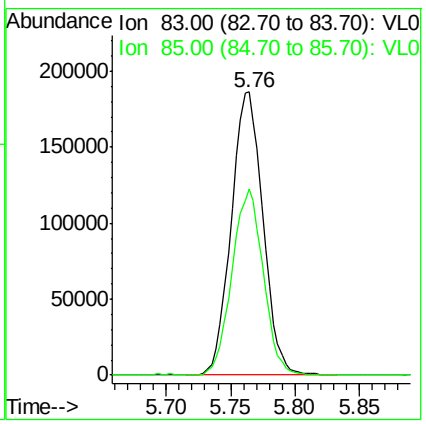




#29
Chloroform
Concen: 1.580 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 83 Resp: 318794

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
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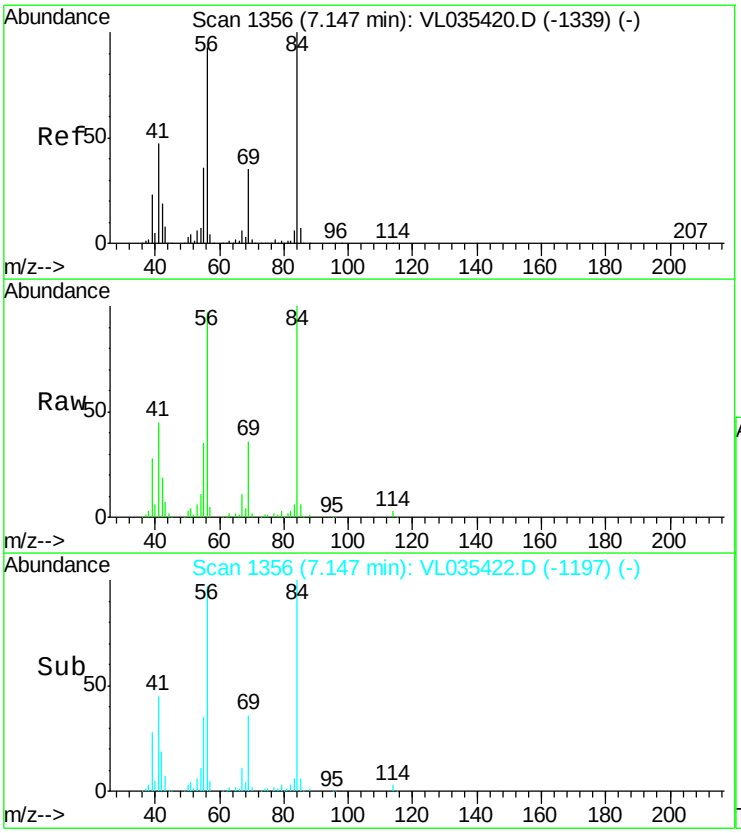
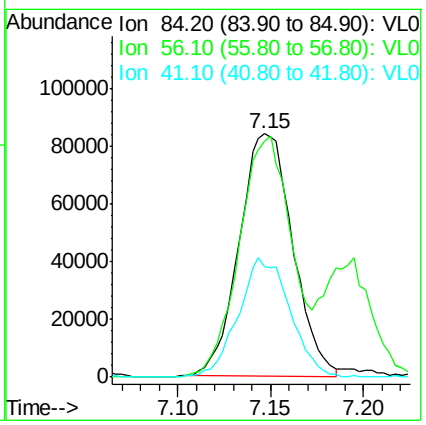
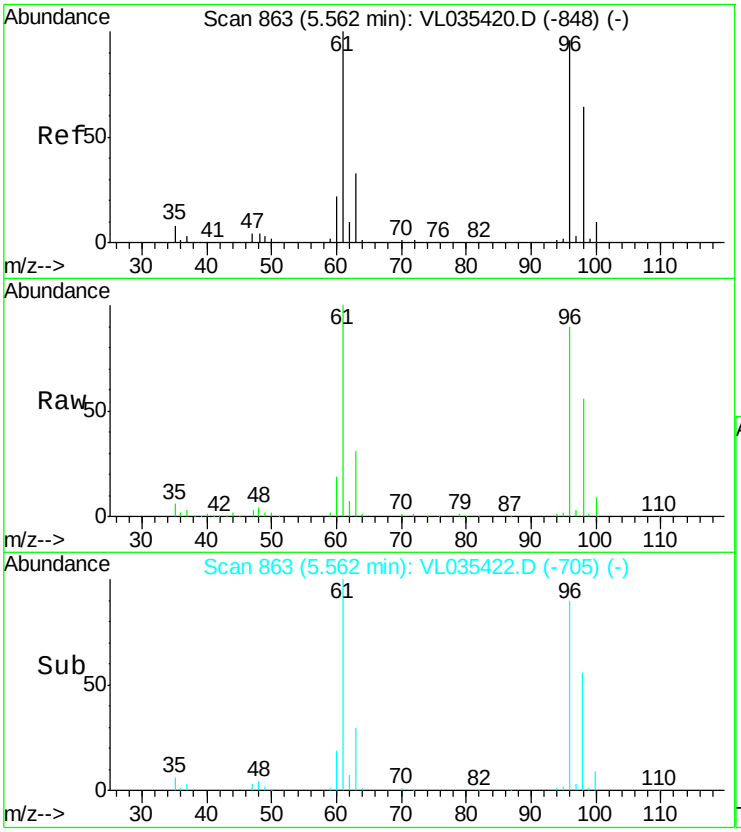


#30
Cyclohexane
Concen: 1.618 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 84 Resp: 168851

Ion	Ratio	Lower	Upper
84	100		
56	97.3	114.9	172.3#
41	47.5	72.3	108.5#

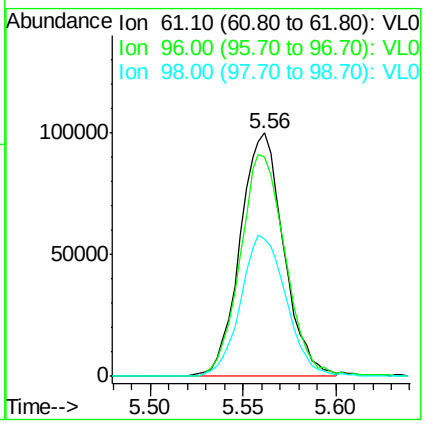




#31
cis-1,2-Dichloroethene
Concen: 1.216 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 61 Resp: 162782

Ion	Ratio	Lower	Upper
61	100		
96	90.0	51.4	77.0#
98	56.2	32.9	49.3#



Instrument :
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ClientSampleId :
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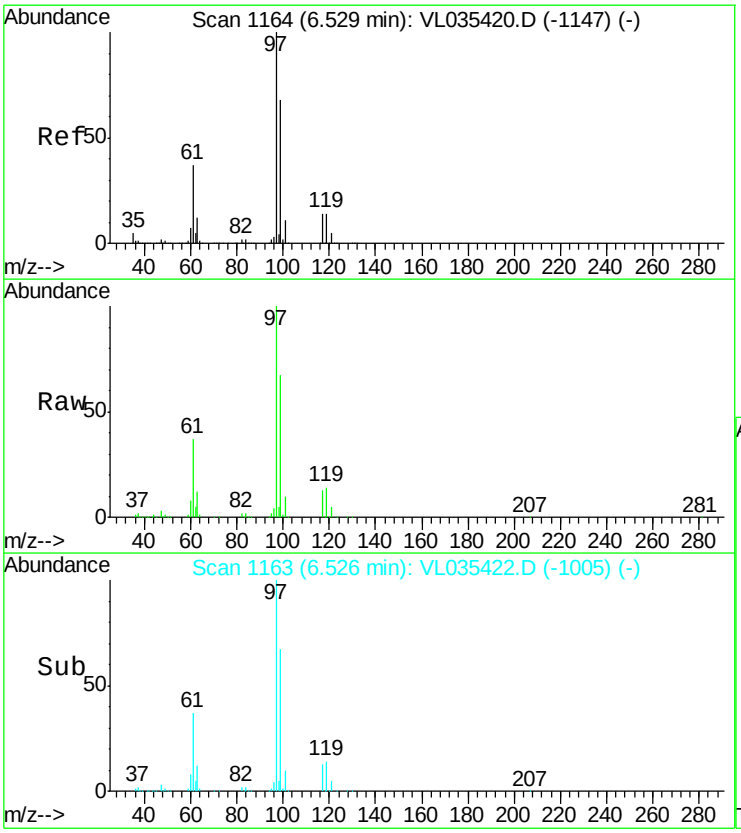
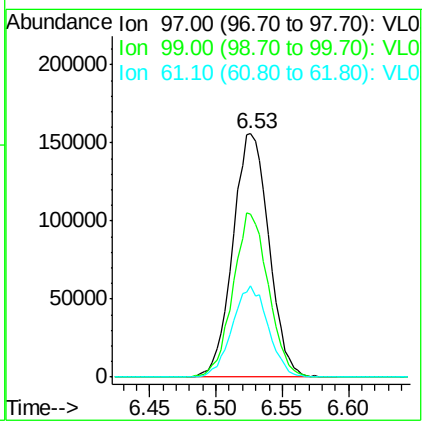
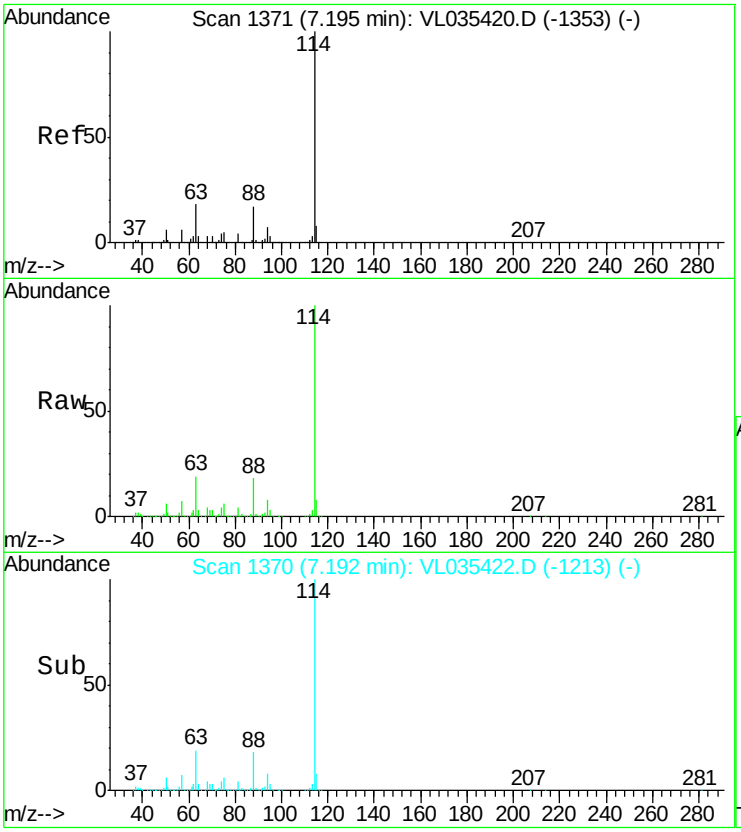


#32
1,1,1-Trichloroethane
Concen: 1.465 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 97 Resp: 294640

Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.4	77.0
61	37.2	41.0	61.6#

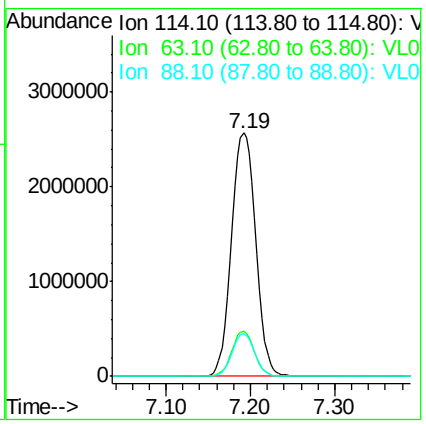




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv m
RT: 7.19 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:114 Resp: 5148183

Ion	Ratio	Lower	Upper
114	100		
63	0.0	23.1	34.7#
88	0.0	15.9	23.9#



Instrument :
MSVOA_L
ClientSampleId :
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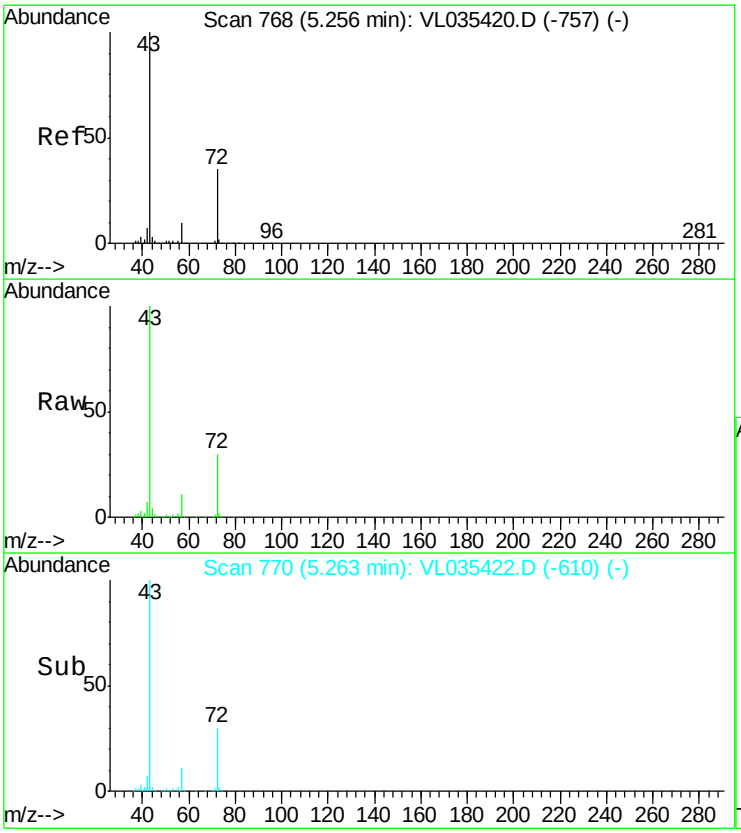
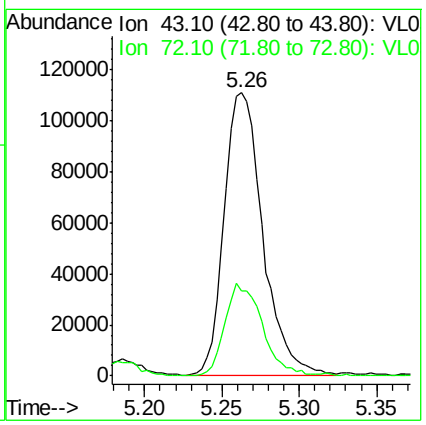
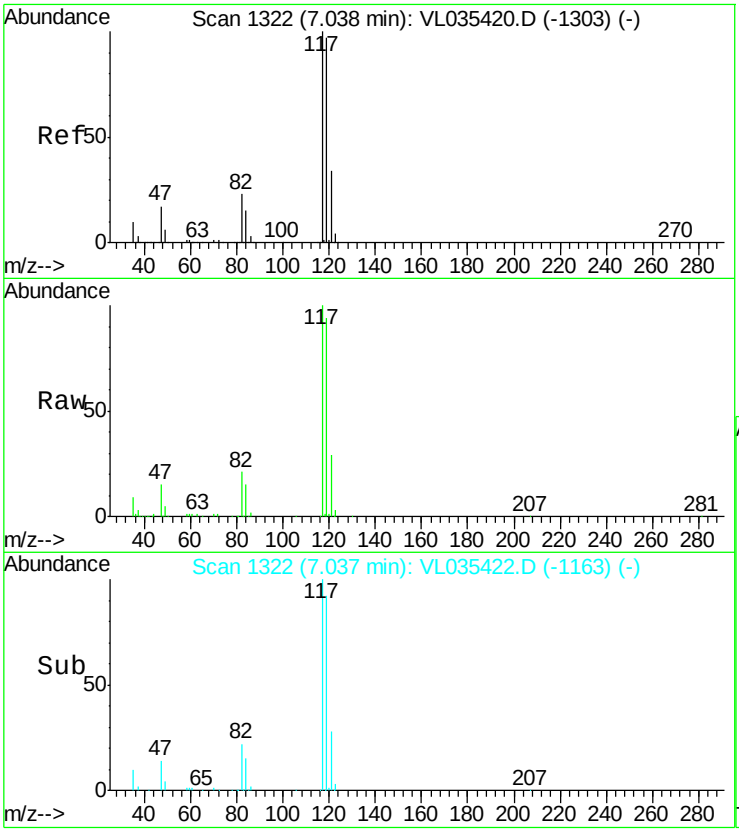


#34
2-Butanone
Concen: 0.480 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 190573

Ion	Ratio	Lower	Upper
43	100		
72	32.6	17.6	26.4#

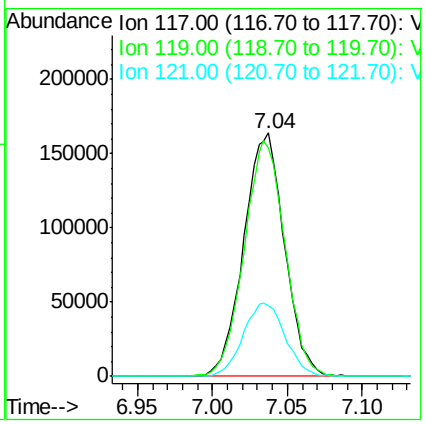




#35
Carbon Tetrachloride
Concen: 0.811 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:117 Resp: 310337

Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.1	114.1
121	28.9	25.5	38.3



Instrument :
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ClientSampleId :
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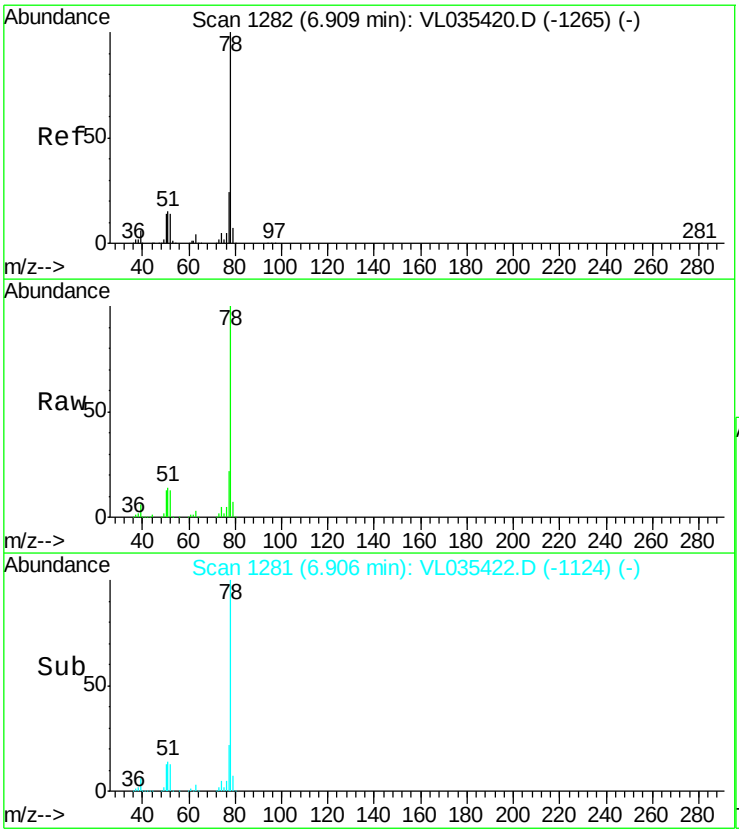
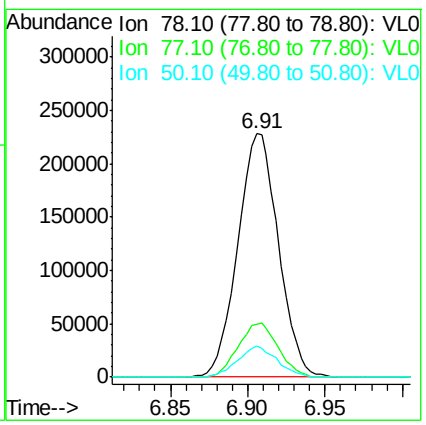
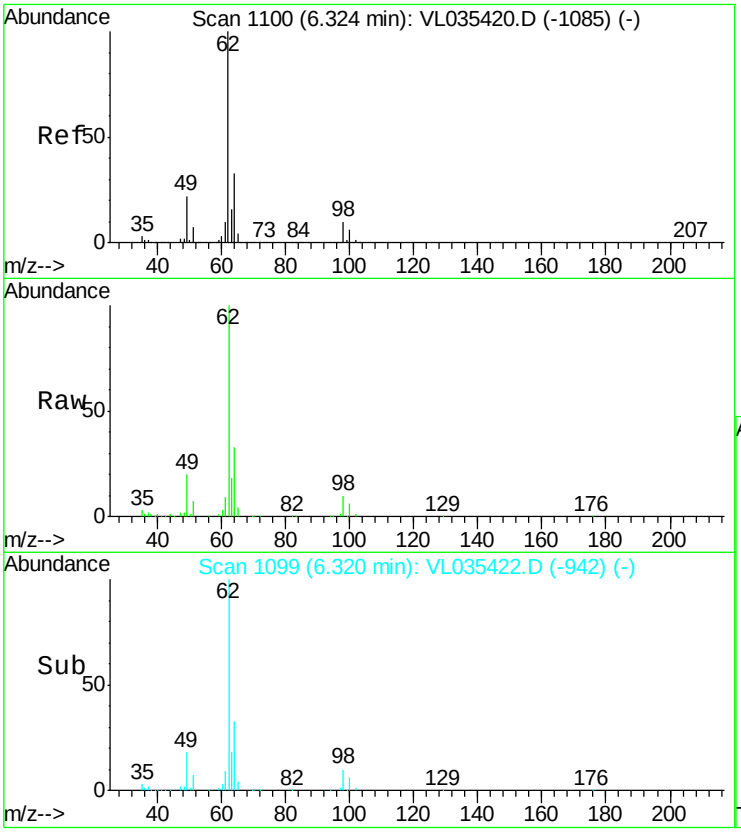


#36
Benzene
Concen: 0.799 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 78 Resp: 417261

Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.6	29.4
50	13.1	16.3	24.5#





#37
1,2-Dichloroethane
Concen: 0.579 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 62 Resp: 186403

Ion	Ratio	Lower	Upper
62	100		
98	9.8	4.6	7.0#

Instrument :
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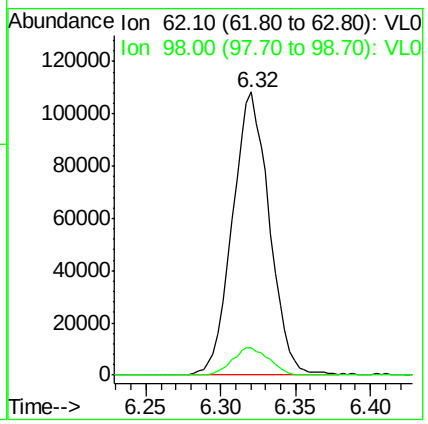
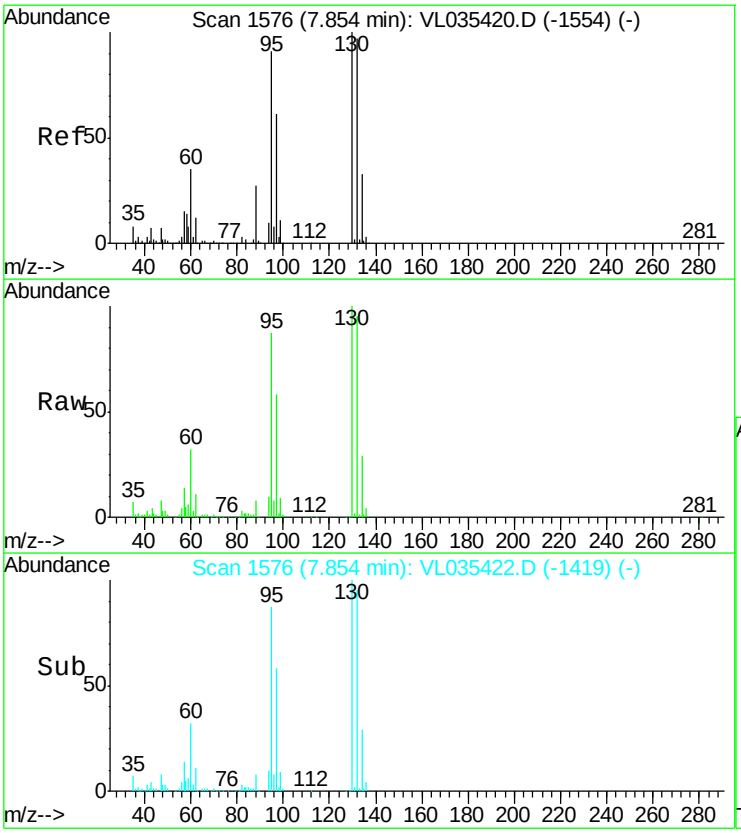
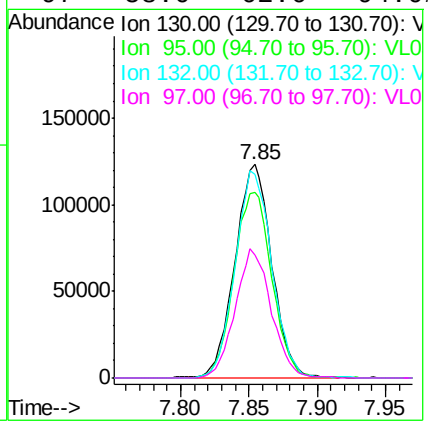


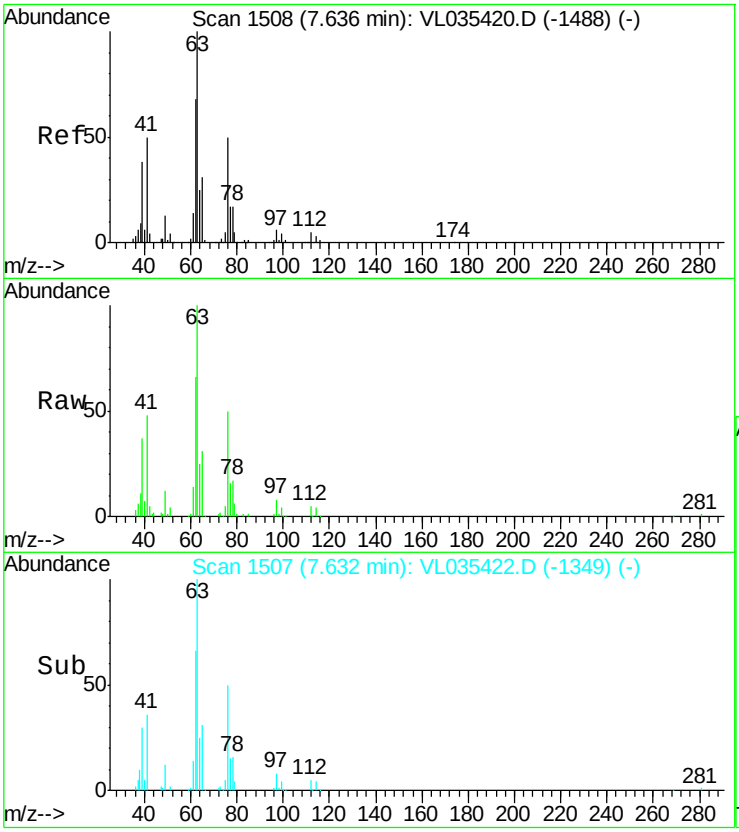


#38
Trichloroethene
Concen: 1.139 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:130 Resp: 230031

Ion	Ratio	Lower	Upper
130	100		
95	87.3	95.8	143.8#
132	95.6	74.3	111.5
97	58.0	62.6	94.0#





#39
1,2-Dichloropropane
Concen: 0.651 ppbv
RT: 7.63 min Scan# 1507
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 63 Resp: 137150

Ion	Ratio	Lower	Upper
63	100		
41	47.5	61.1	91.7#
62	66.1	55.3	82.9

Instrument :
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ClientSampleId :
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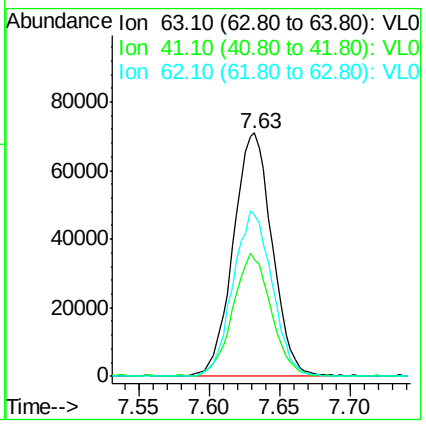
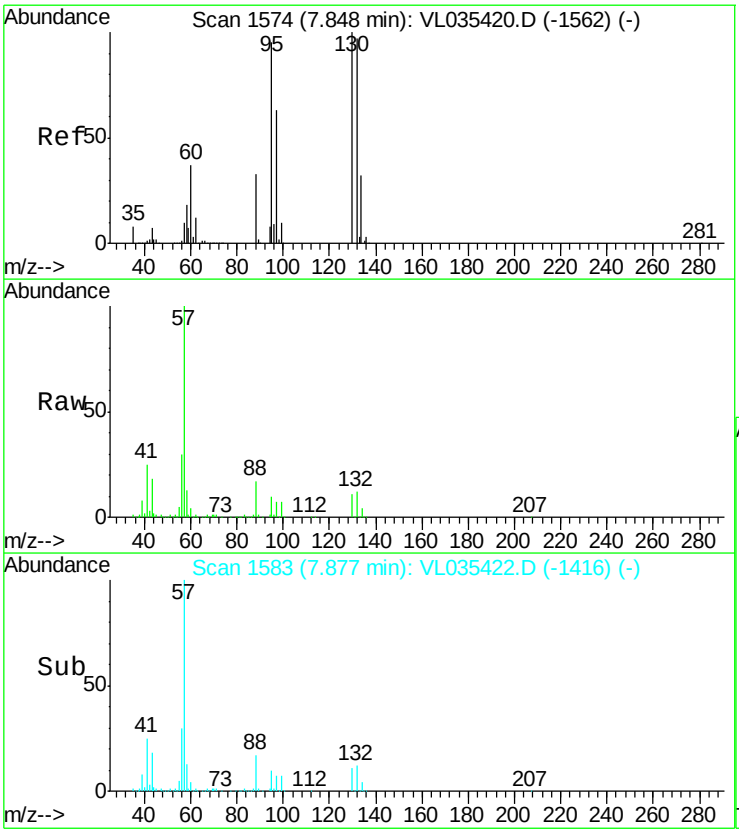
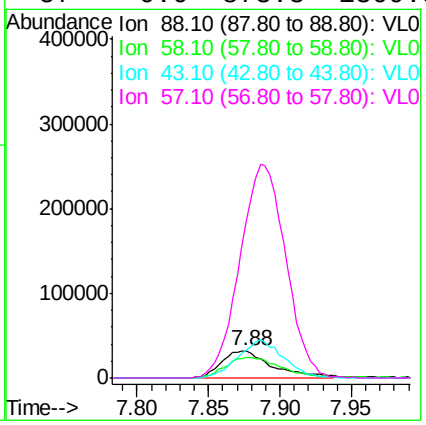


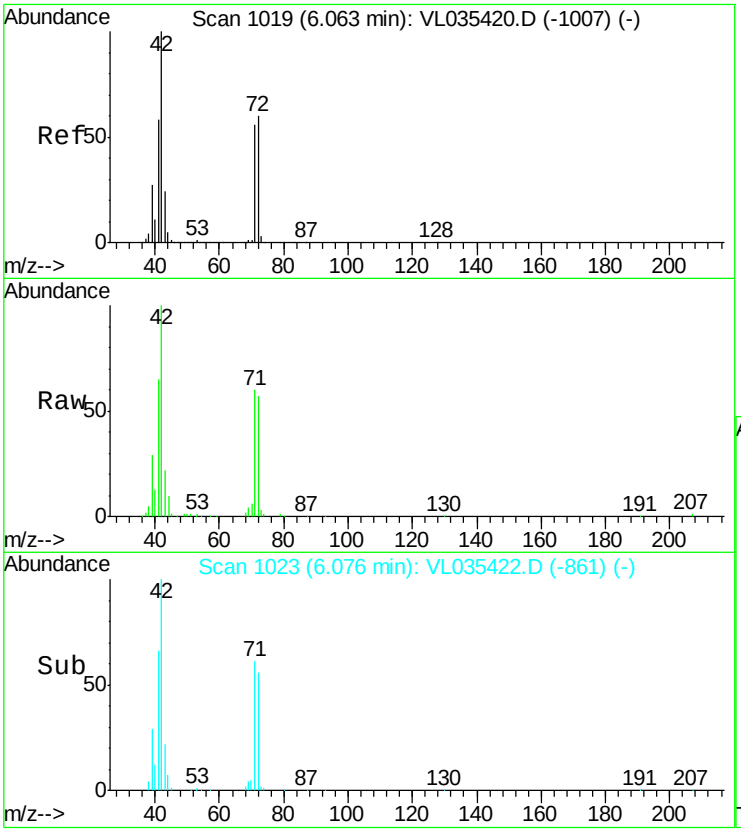


#40
1,4-Dioxane
Concen: 0.970 ppbv m
RT: 7.88 min Scan# 1583
Delta R.T. 0.04 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 88 Resp: 79054

Ion	Ratio	Lower	Upper
88	100		
58	0.0	106.6	160.0#
43	0.0	209.7	314.5#
57	0.0	873.3	1309.9#

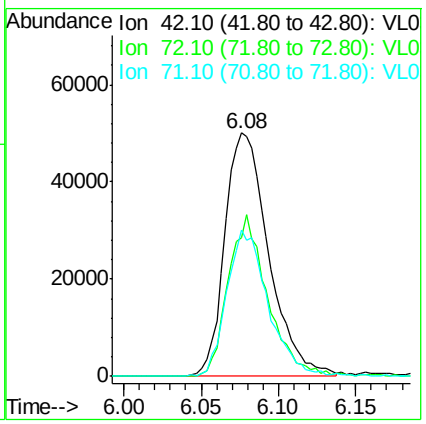




#41
Tetrahydrofuran
Concen: 0.441 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 42 Resp: 98468

Ion	Ratio	Lower	Upper
42	100		
72	60.1	29.4	44.2#
71	56.9	28.9	43.3#



Instrument :
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ClientSampleId :
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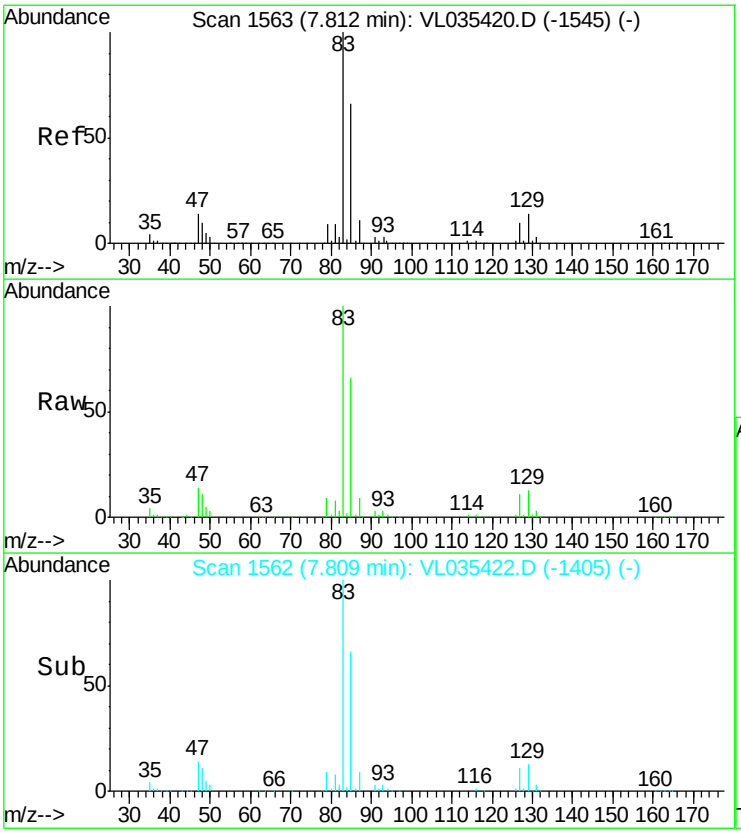
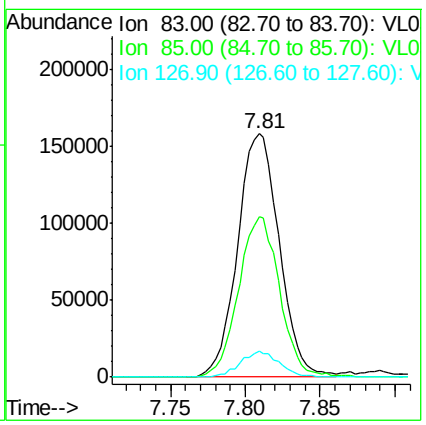
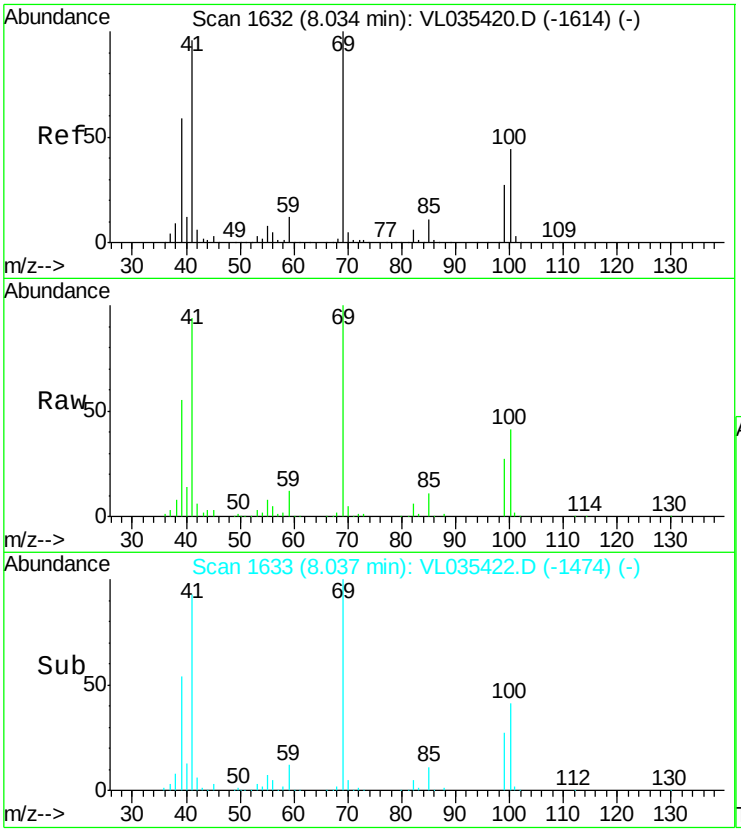


#42
Bromodichloromethane
Concen: 0.744 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 83 Resp: 306735

Ion	Ratio	Lower	Upper
83	100		
85	66.1	54.8	82.2
127	10.9	6.1	9.1#

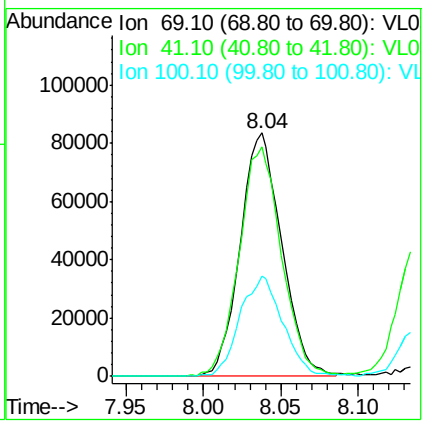




#43
Methyl Methacrylate
Concen: 0.688 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 69 Resp: 156496

Ion	Ratio	Lower	Upper
69	100		
41	96.5	123.4	185.0#
100	42.5	24.2	36.4#



Instrument :
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ClientSampleId :
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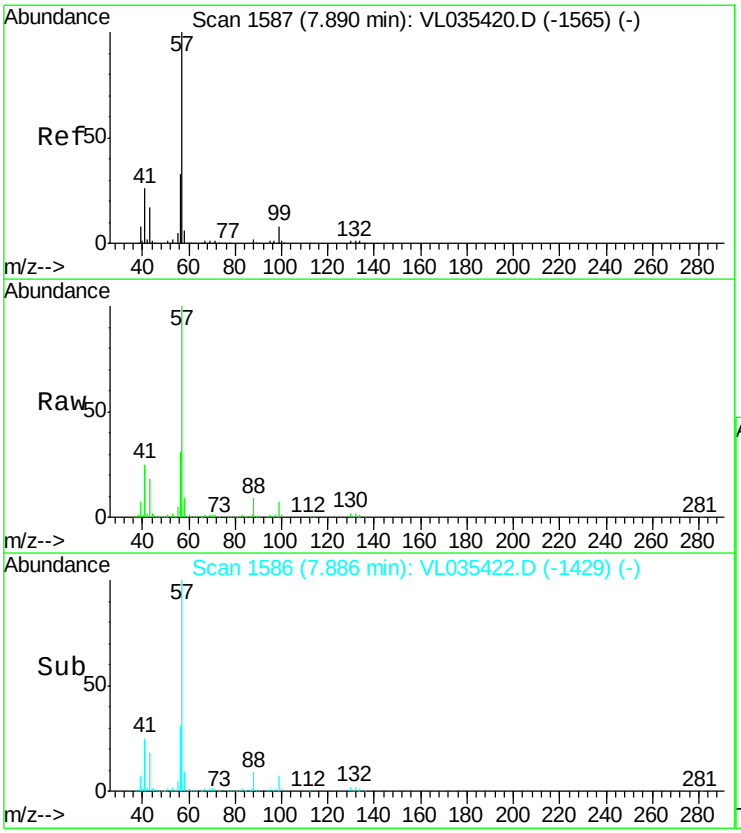
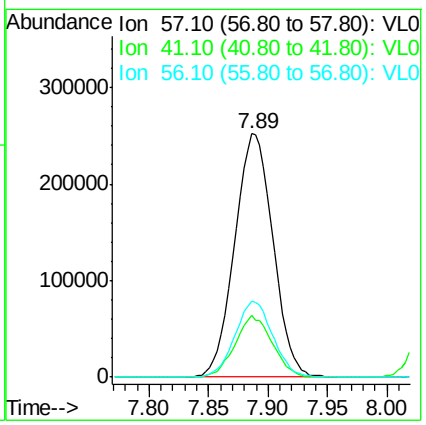
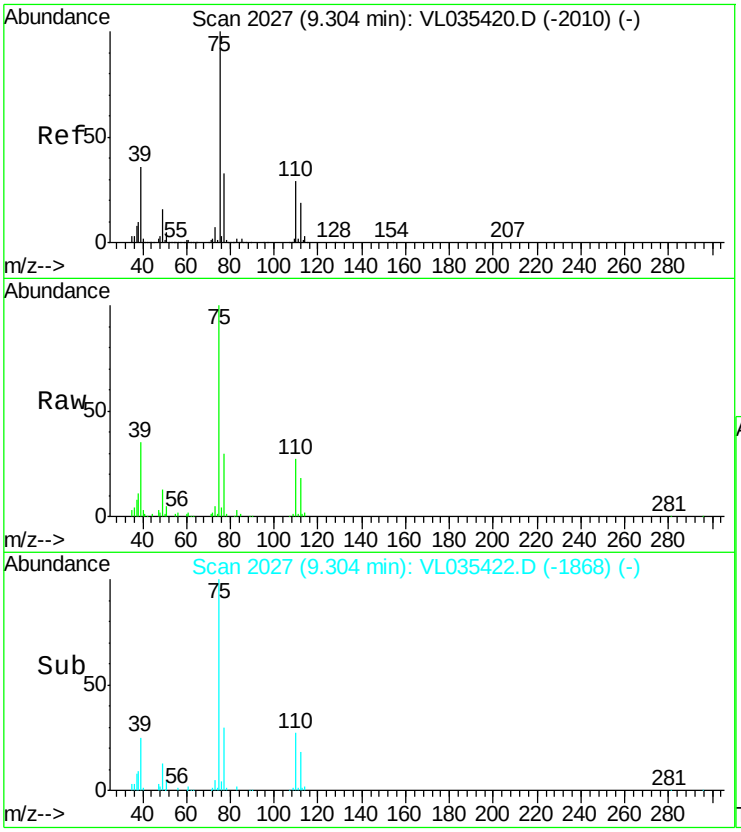


#44
2,2,4-Trimethylpentane
Concen: 0.616 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 57 Resp: 562371

Ion	Ratio	Lower	Upper
57	100		
41	24.6	27.2	40.8#
56	30.6	25.4	38.0

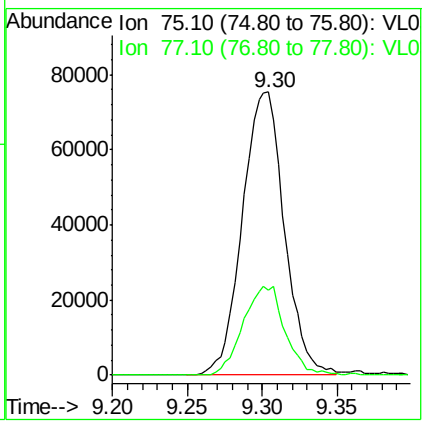




#45
t-1,3-Dichloropropene
Concen: 0.616 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 75 Resp: 147192

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.6



Instrument :
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ClientSampleId :
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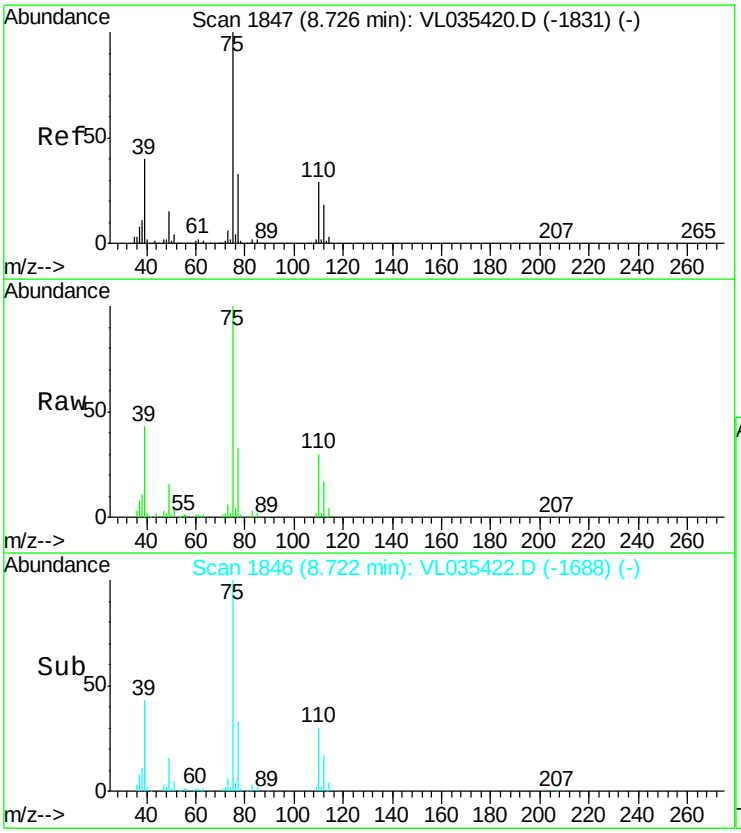
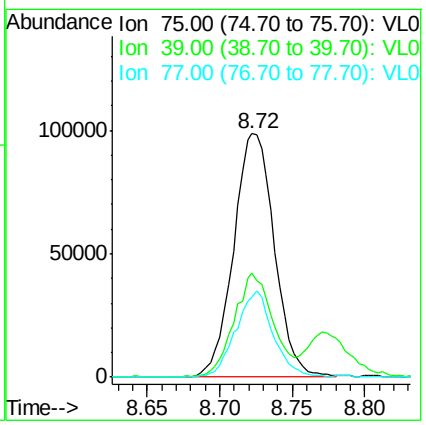
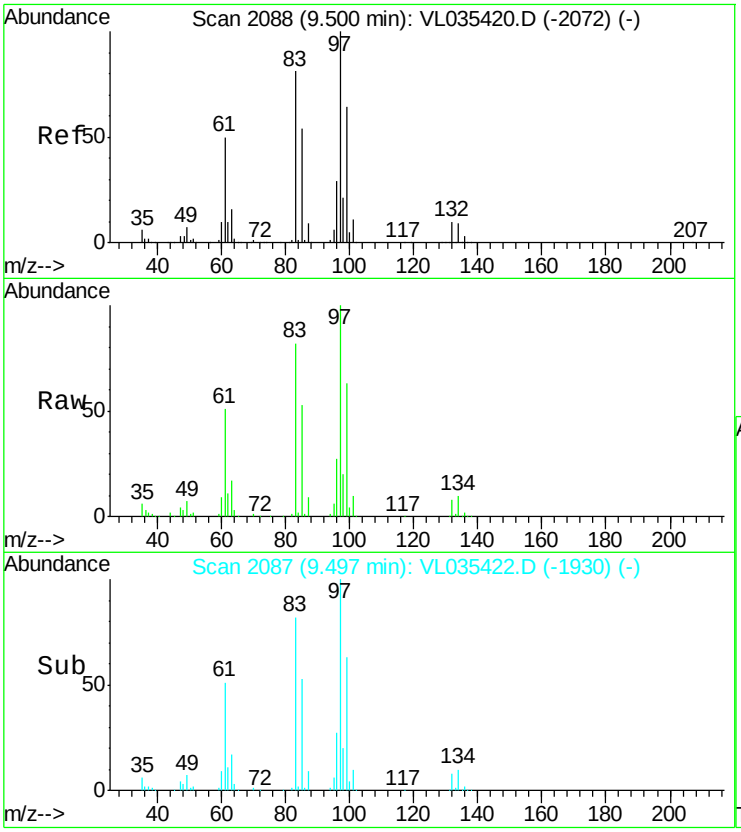


#46
cis-1,3-Dichloropropene
Concen: 0.667 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 75 Resp: 192818

Ion	Ratio	Lower	Upper
75	100		
39	42.4	55.8	83.6#
77	32.9	25.6	38.4

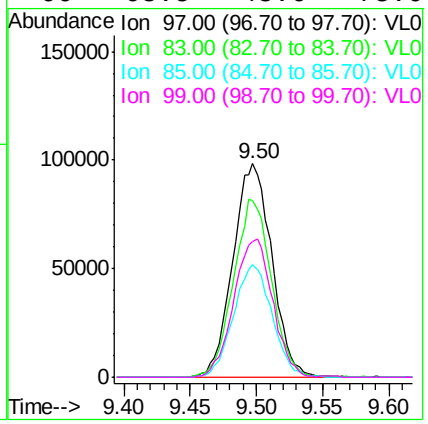




#47
1,1,2-Trichloroethane
Concen: 0.945 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 97 Resp: 200072

Ion	Ratio	Lower	Upper
97	100		
83	82.4	72.1	108.1
85	52.7	46.8	70.2
99	63.5	48.6	73.0



Instrument :
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ClientSampleId :
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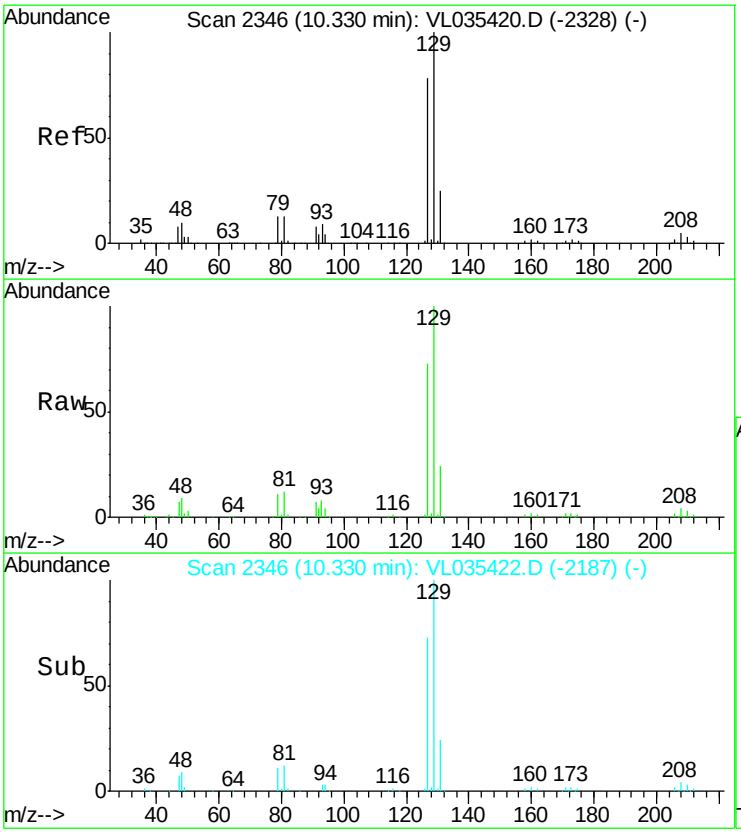
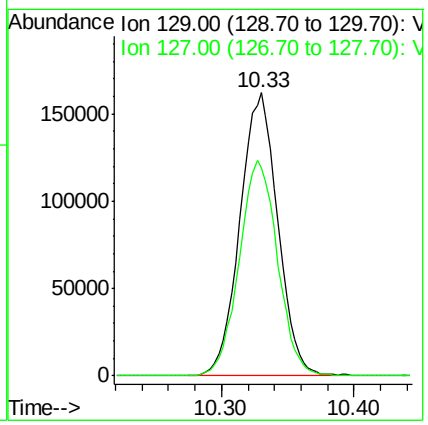
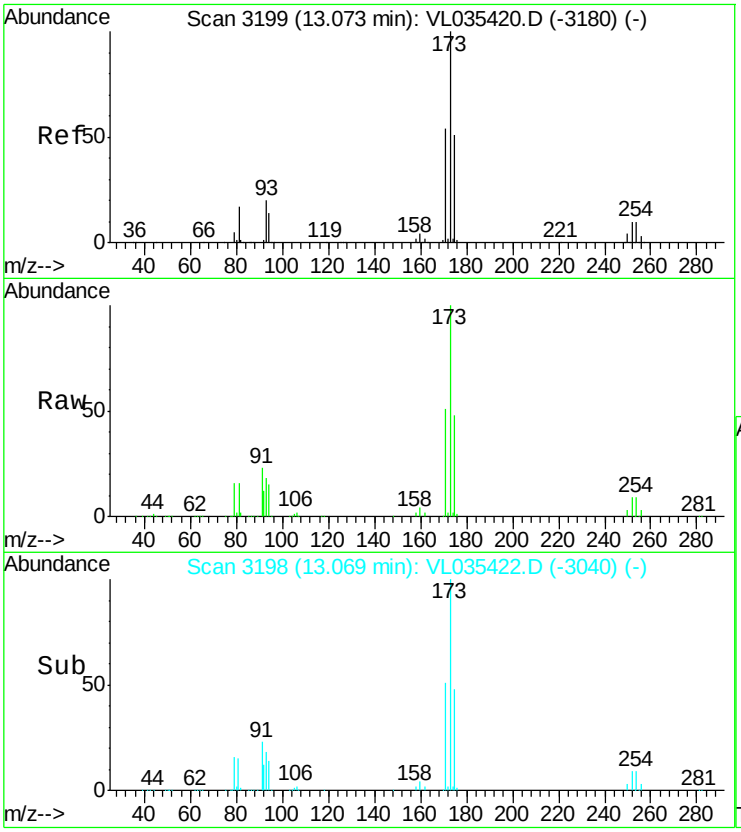


#48
Dibromochloromethane
Concen: 1.043 ppbv
RT: 10.33 min Scan# 2346
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:129 Resp: 321735

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.5	118.5

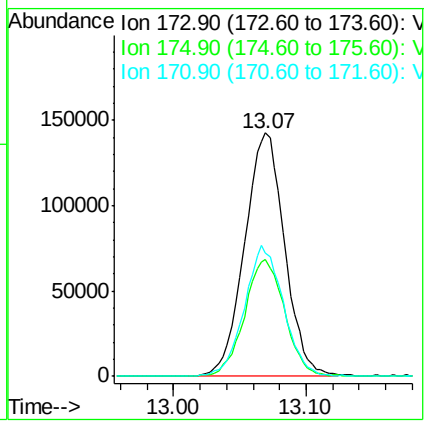




#49
Bromoform
Concen: 1.237 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:173 Resp: 299775

Ion	Ratio	Lower	Upper
173	100		
175	48.3	39.8	59.8
171	52.5	42.4	63.6



Instrument :
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ClientSampleId :
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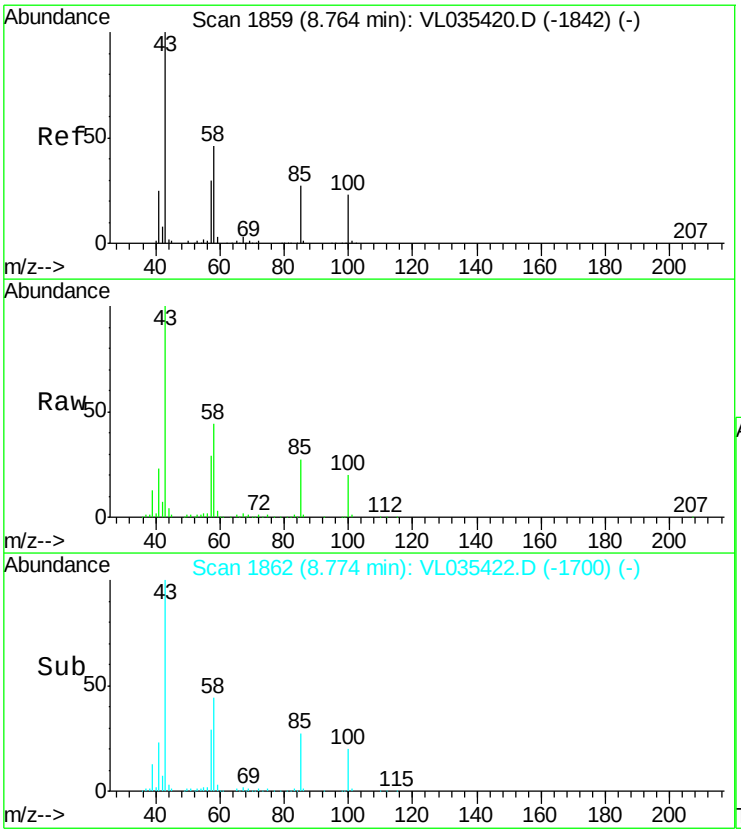
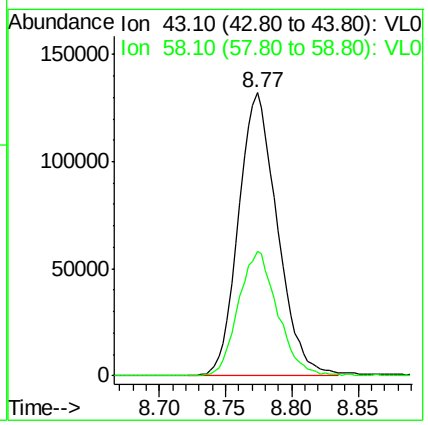
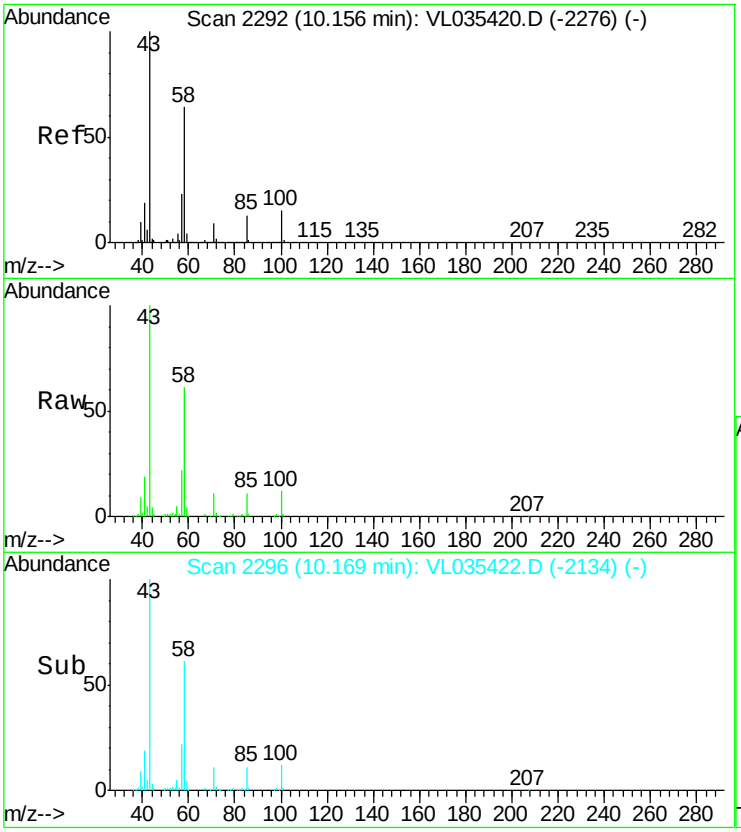


#50
4-Methyl-2-Pentanone
Concen: 0.470 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 269925

Ion	Ratio	Lower	Upper
43	100		
58	44.7	28.7	43.1#

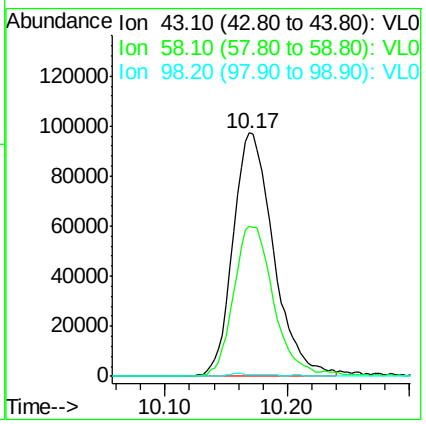




#51
2-Hexanone
Concen: 0.458 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. 0.02 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 43 Resp: 223510

Ion	Ratio	Lower	Upper
43	100		
58	61.8	38.6	58.0#
98	1.3	0.2	0.2#



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ClientSampleId :
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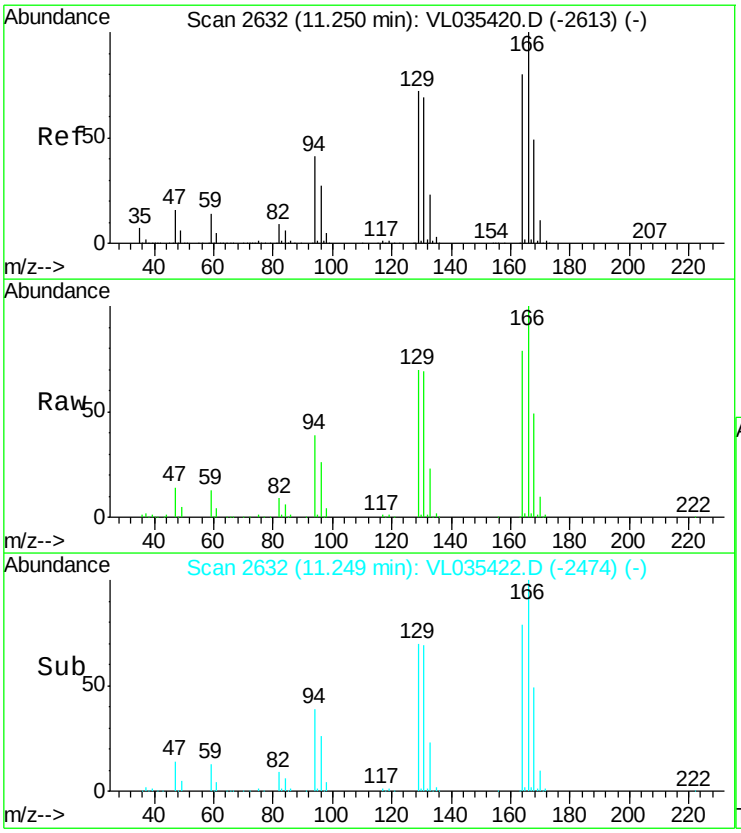
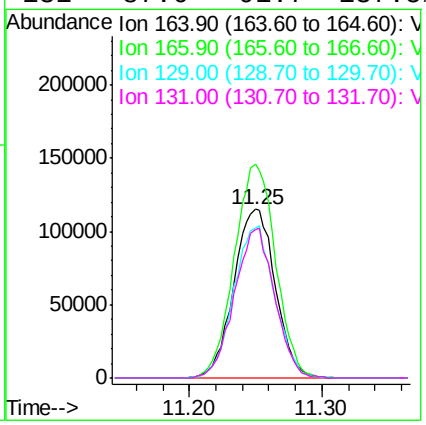
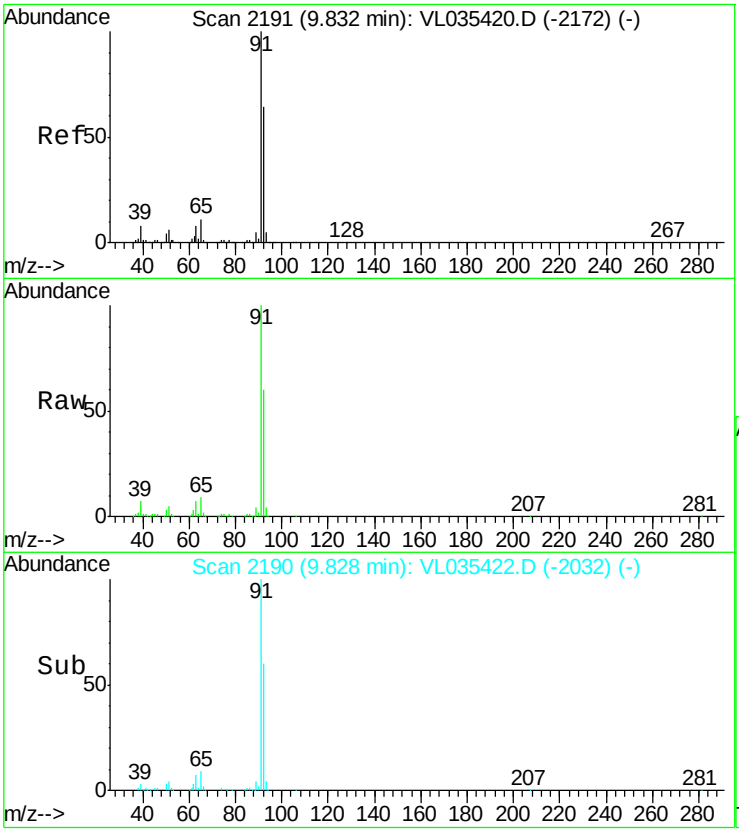


#52
Tetrachloroethene
Concen: 1.344 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:164 Resp: 249740

Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.4	155.0
129	88.4	90.2	135.4#
131	87.6	91.7	137.5#

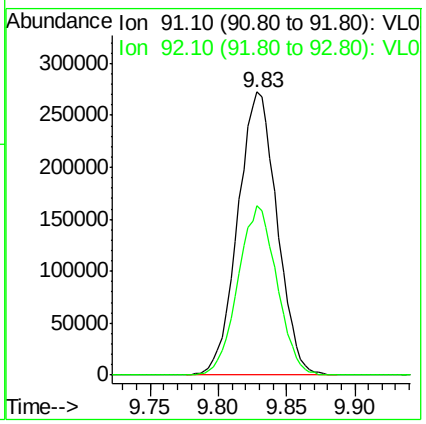




#53
Toluene
Concen: 0.914 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 543556

Ion	Ratio	Lower	Upper
91	100		
92	59.3	49.1	73.7



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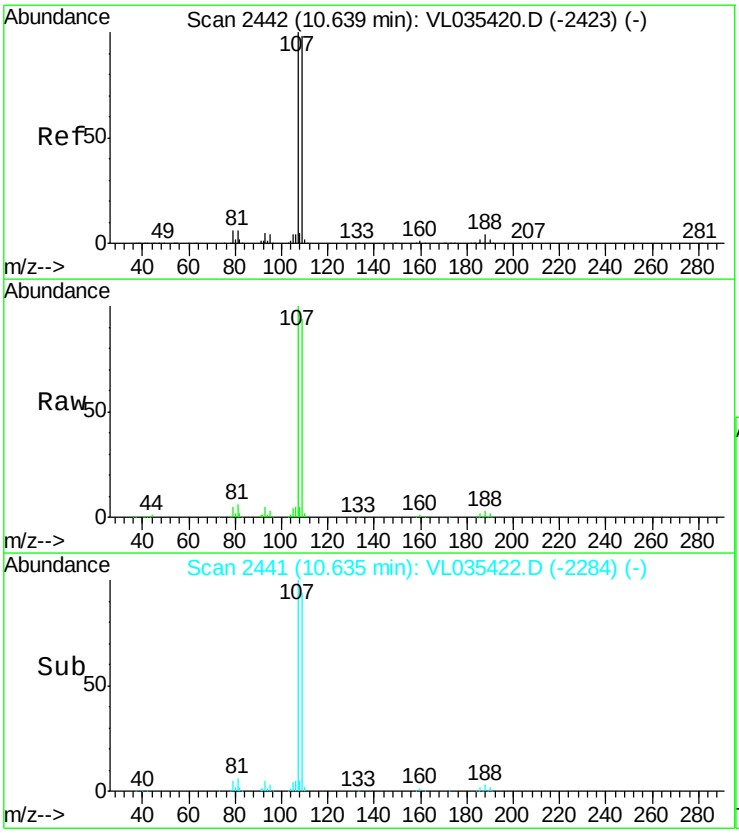
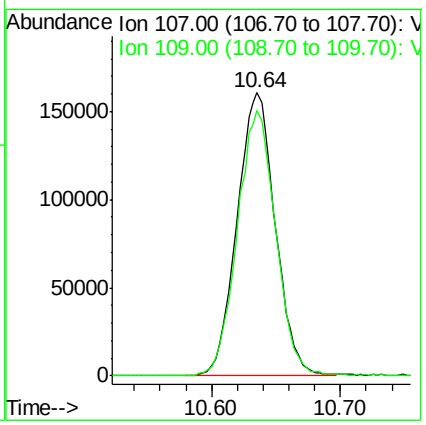
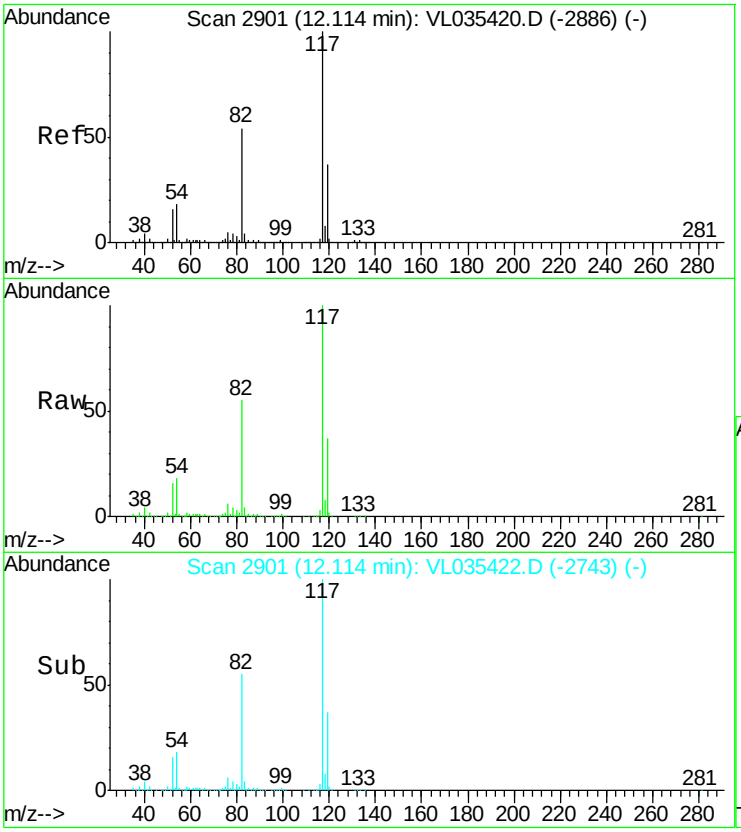


#54
1,2-Dibromoethane
Concen: 1.012 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:107 Resp: 330732

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.1	112.7

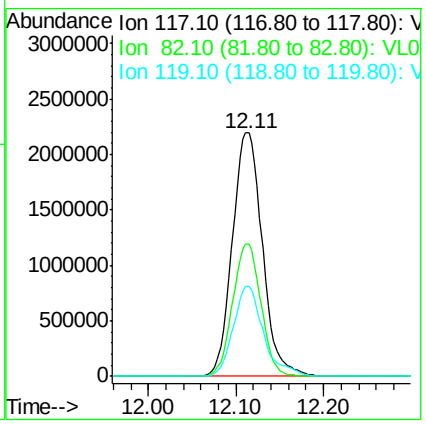




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:117 Resp: 5235106

Ion	Ratio	Lower	Upper
117	100		
82	51.1	57.4	86.0#
119	37.3	28.4	42.6



Instrument :
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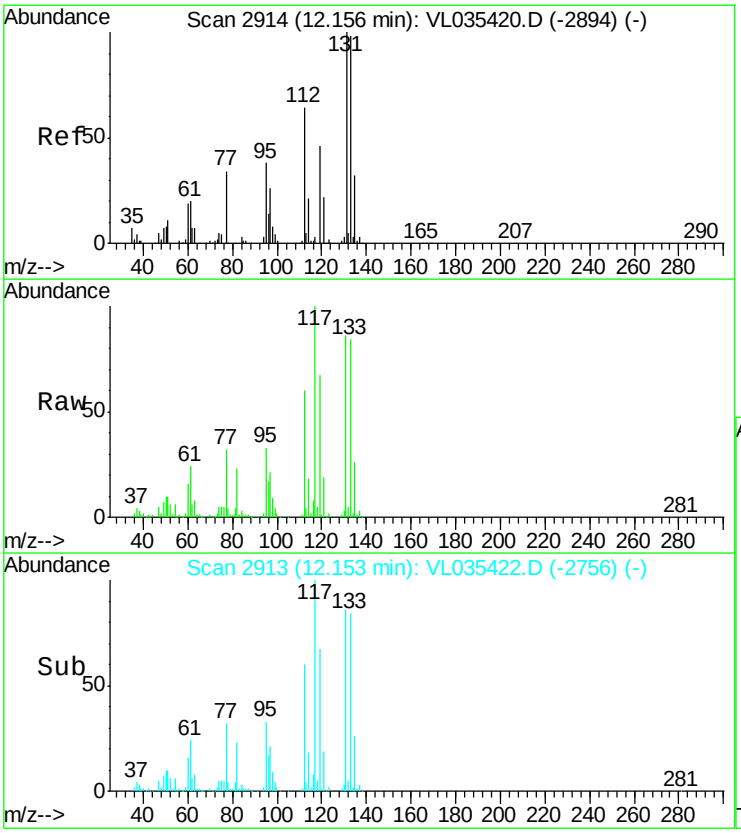
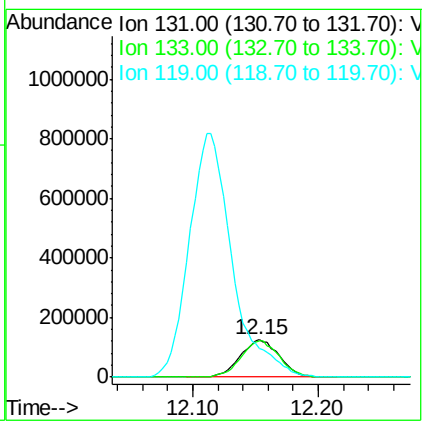
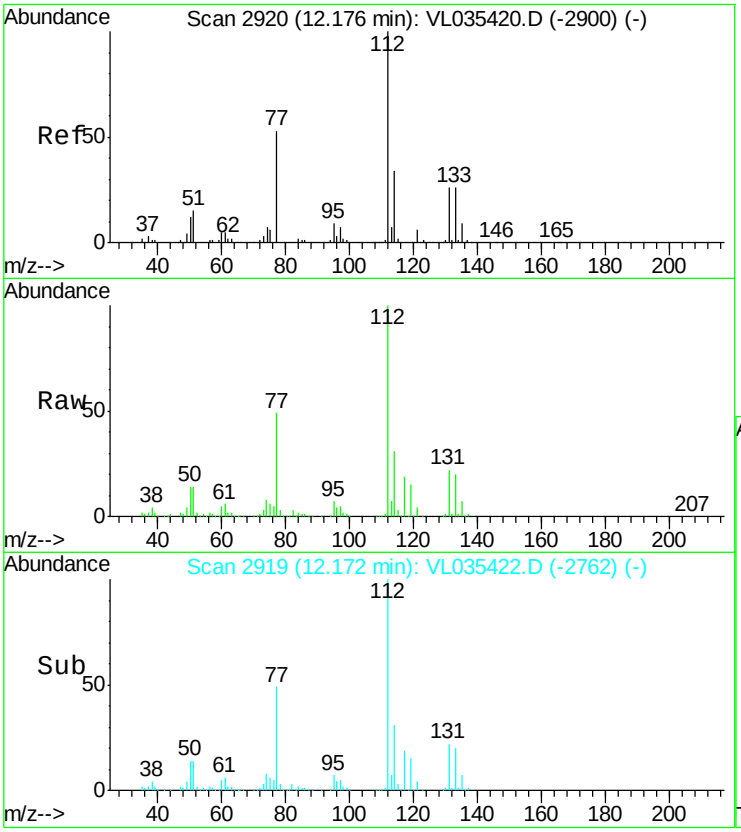


#56
1,1,1,2-Tetrachloroethane
Concen: 1.048 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:131 Resp: 269950

Ion	Ratio	Lower	Upper
131	100		
133	96.3	76.1	114.1
119	723.2	50.7	76.1#

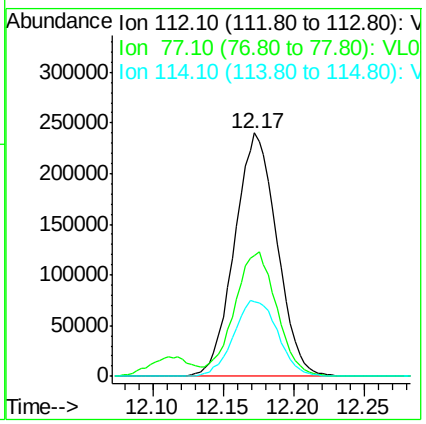




#57
Chlorobenzene
Concen: 1.064 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:112 Resp: 503032

Ion	Ratio	Lower	Upper
112	100		
77	49.2	60.6	91.0#
114	30.5	28.5	34.9



Instrument :
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ClientSampleId :
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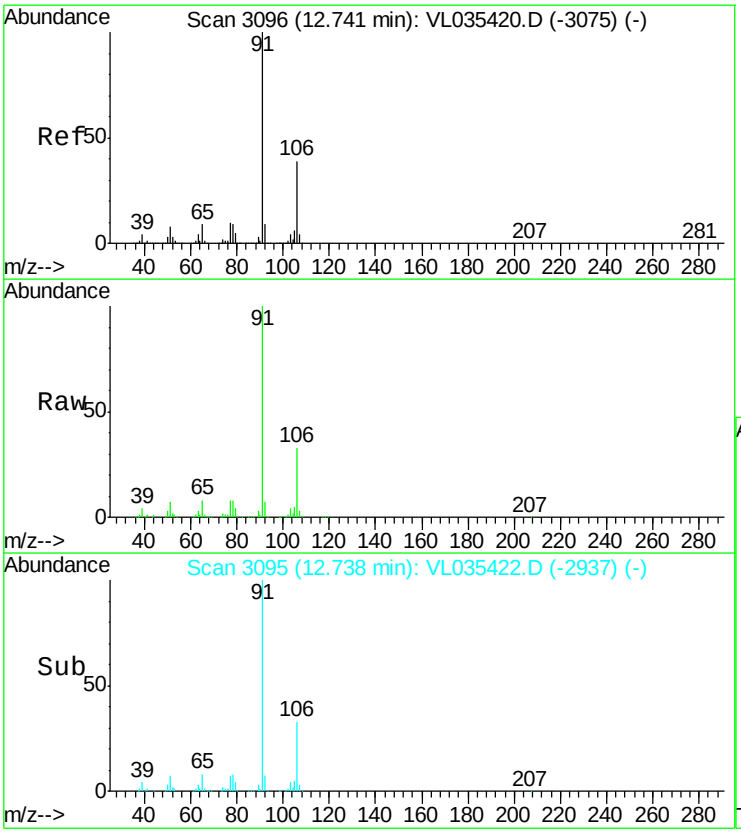
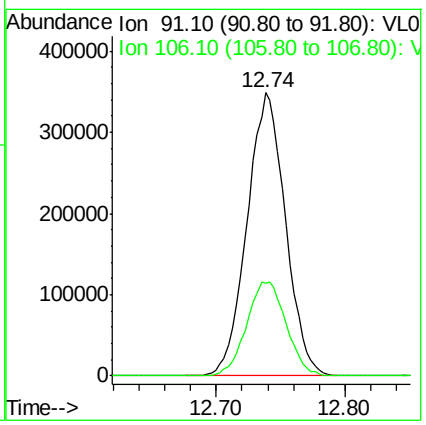
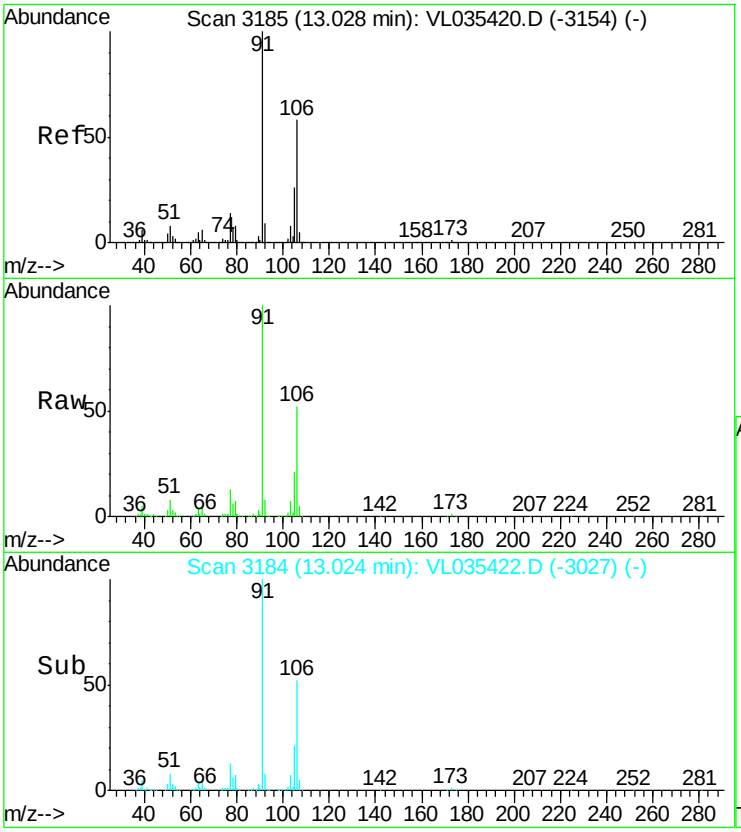


#58
Ethyl Benzene
Concen: 0.834 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 723109

Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.1	36.1





#59
m/p-Xylene
Concen: 1.696 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 1226336

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.0	51.0#

Instrument :
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ClientSampleId :
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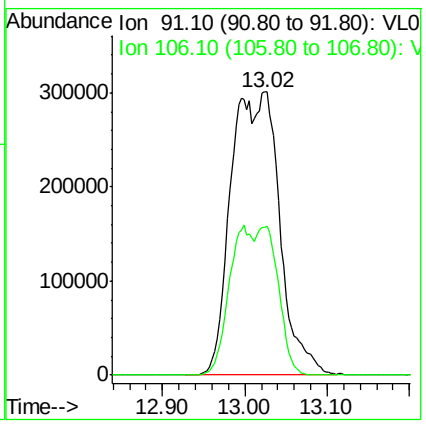
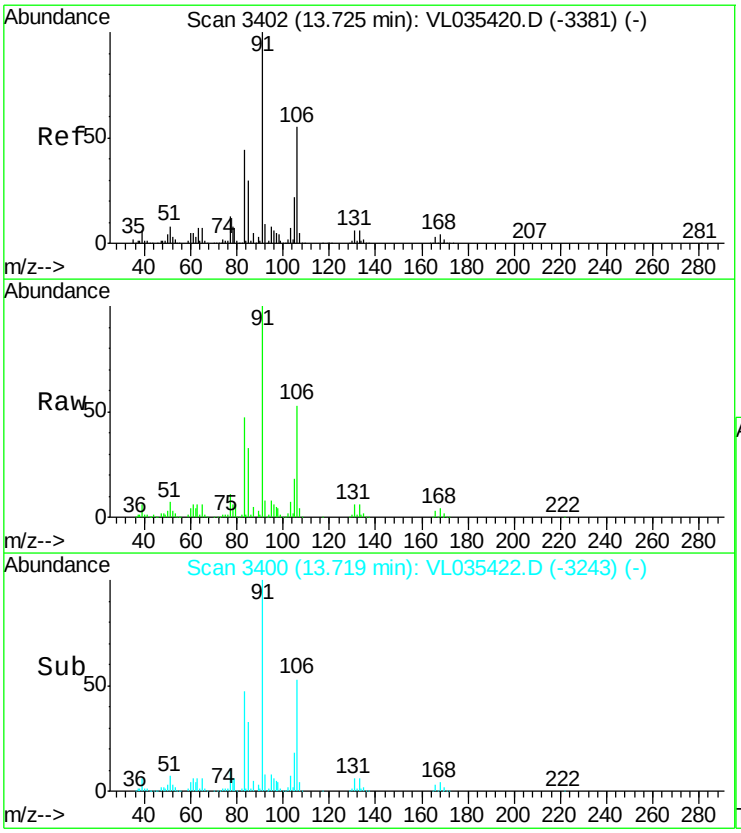
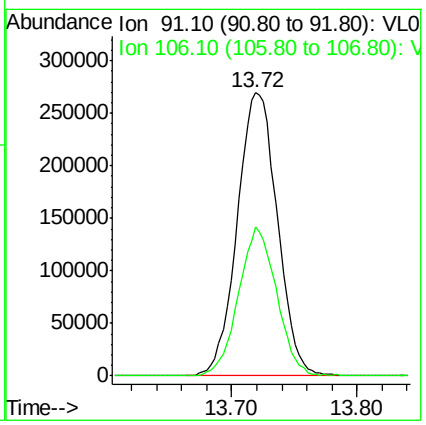


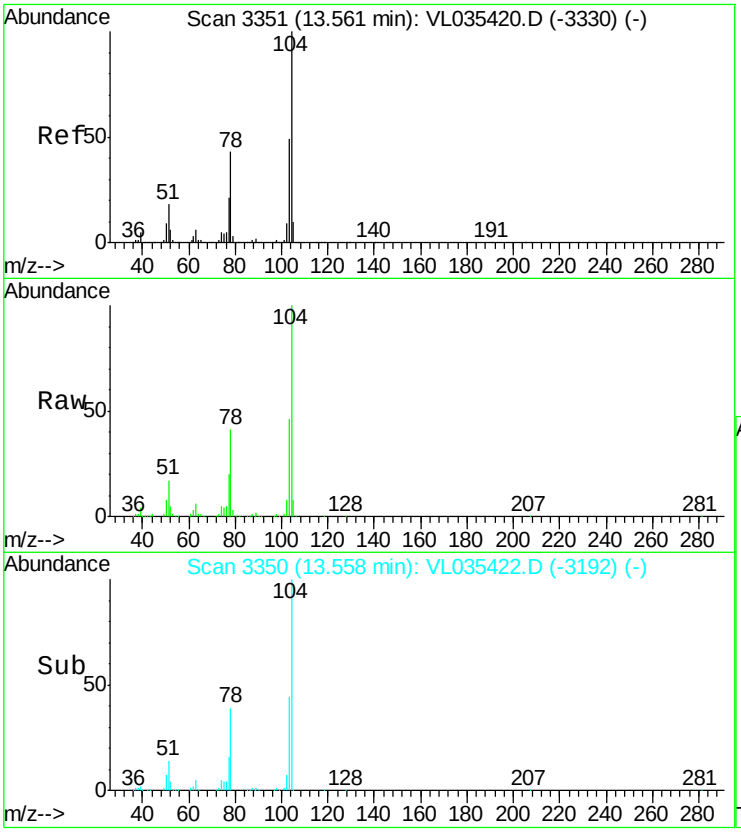


#60
o-Xylene
Concen: 0.838 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 596358

Ion	Ratio	Lower	Upper
91	100		
106	50.3	21.8	65.3

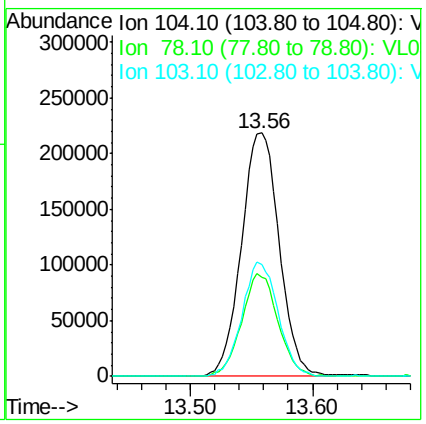




#61
Stvrene
Concen: 0.959 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:104 Resp: 466055

Ion	Ratio	Lower	Upper
104	100		
78	40.7	45.4	68.2#
103	44.9	37.8	56.8



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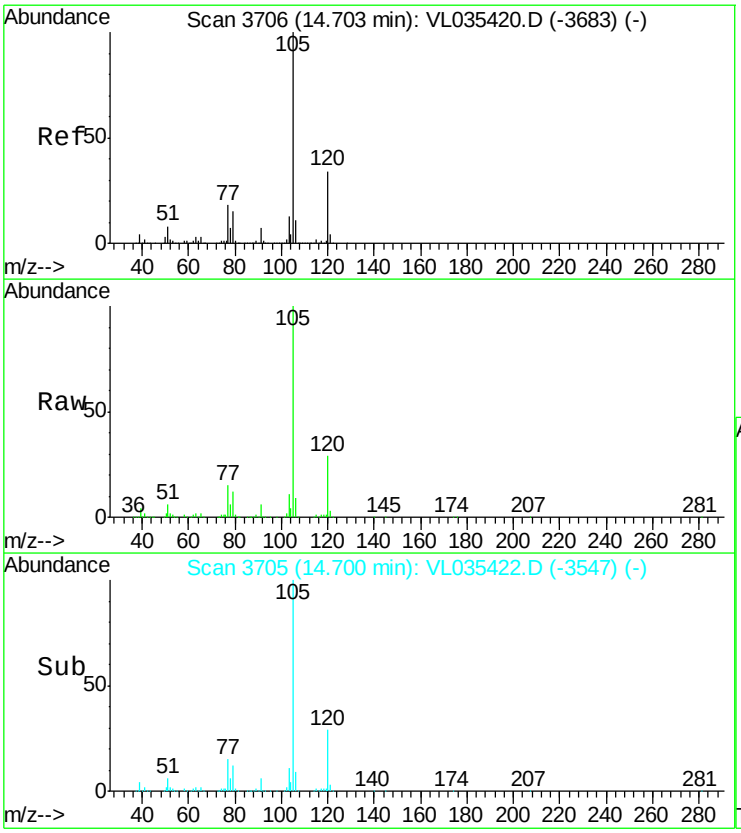
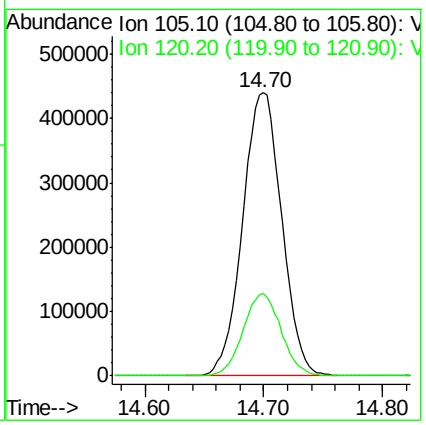
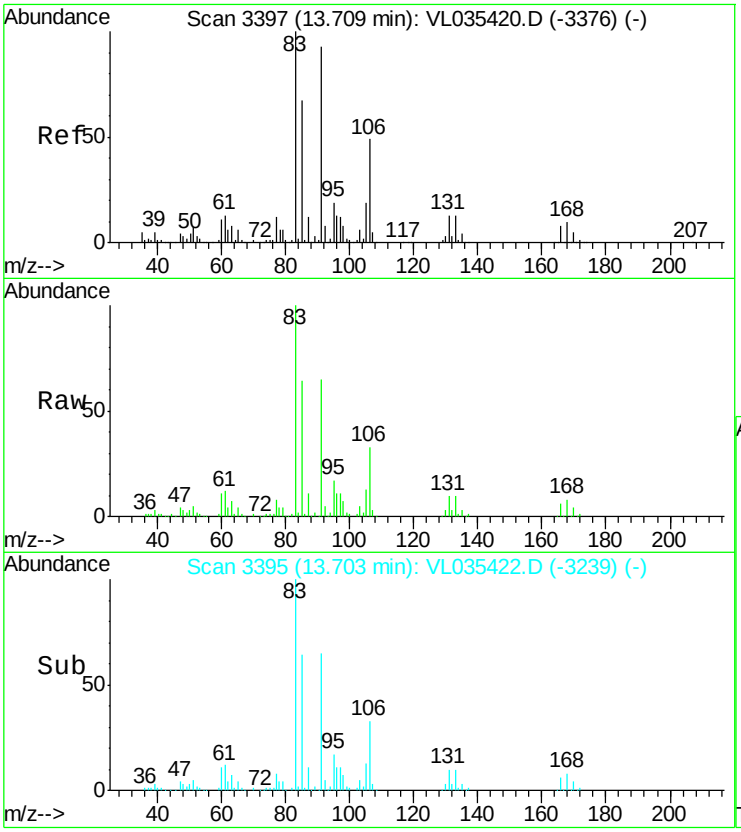


#62
Isopropylbenzene
Concen: 0.953 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:105 Resp: 1001253

Ion	Ratio	Lower	Upper
105	100		
120	28.4	20.3	30.5

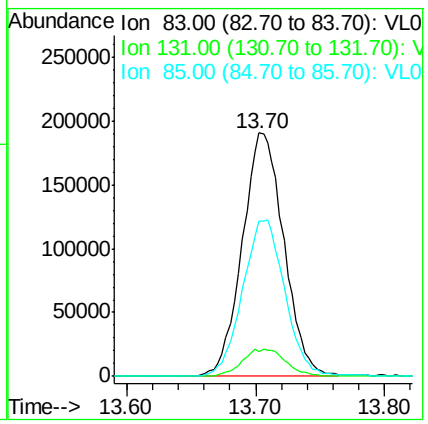




#63
1,1,2,2-Tetrachloroethane
Concen: 0.776 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 83 Resp: 428358

Ion	Ratio	Lower	Upper
83	100		
131	11.7	4.5	13.4
85	65.8	32.7	98.1



Instrument :
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ClientSampleId :
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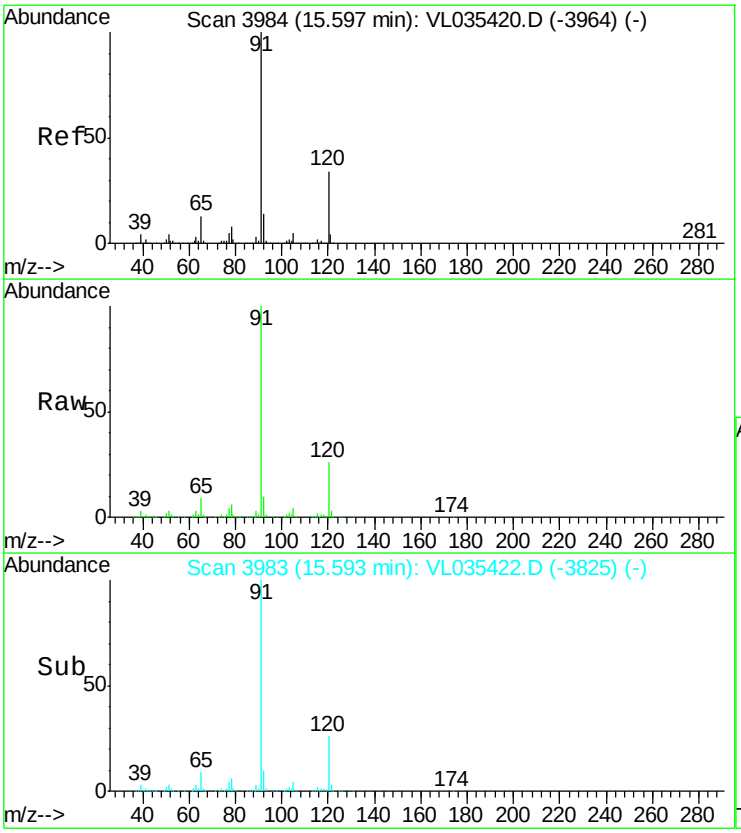
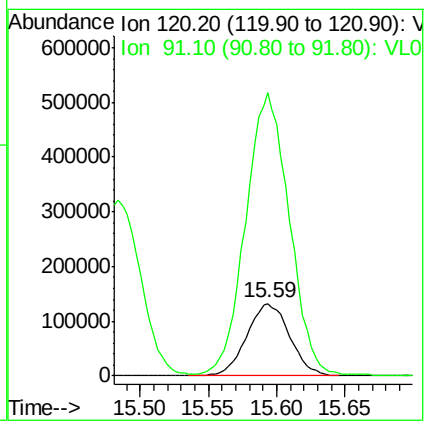
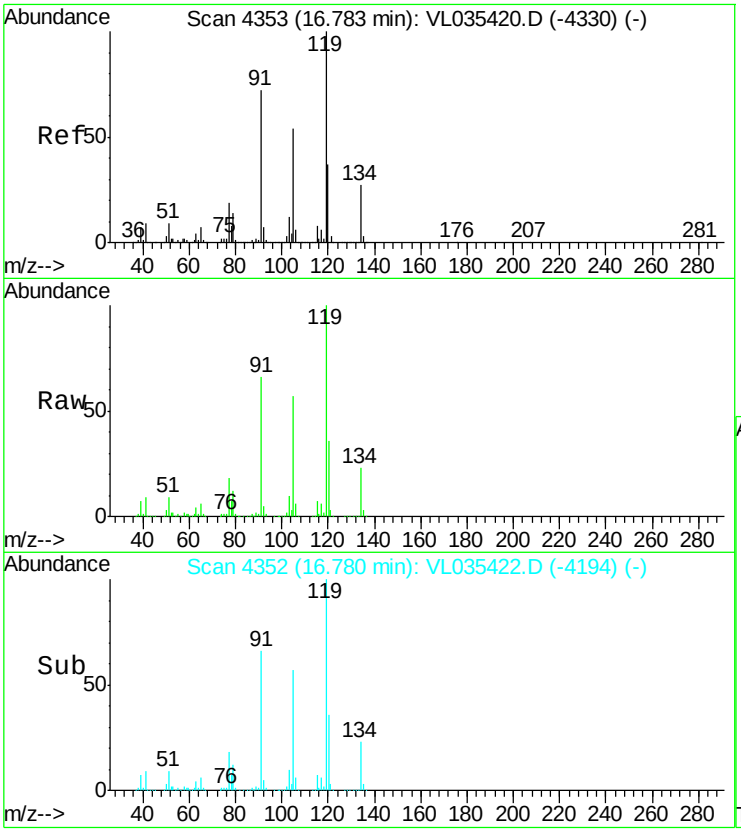


#64
n-propylbenzene
Concen: 1.085 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:120 Resp: 288946

Ion	Ratio	Lower	Upper
120	100		
91	400.5	385.5	578.3

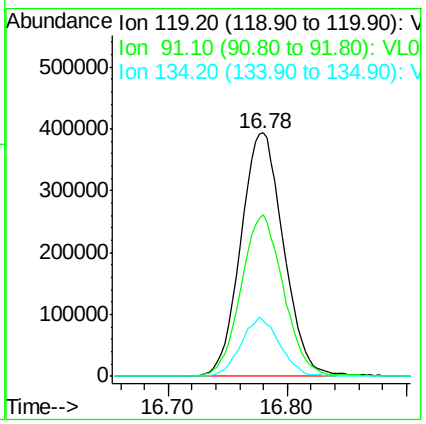




#65
tert-Butylbenzene
Concen: 1.085 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:119 Resp: 976269

Ion	Ratio	Lower	Upper
119	100		
91	66.2	72.0	108.0#
134	22.1	15.7	23.5



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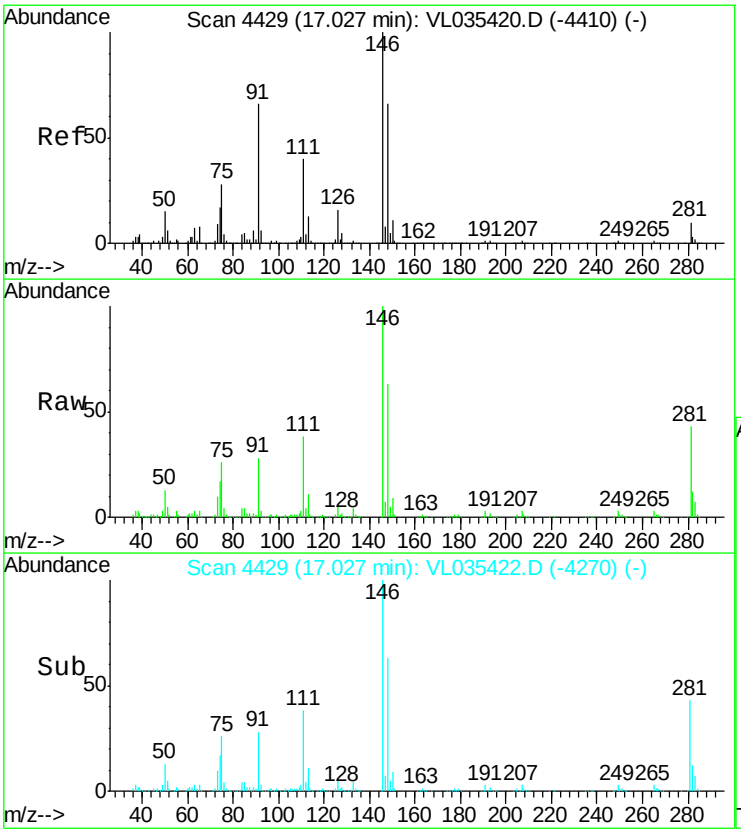
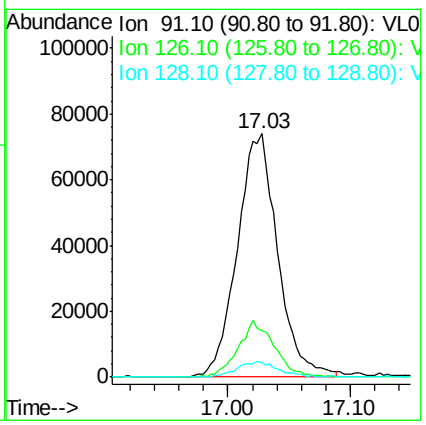
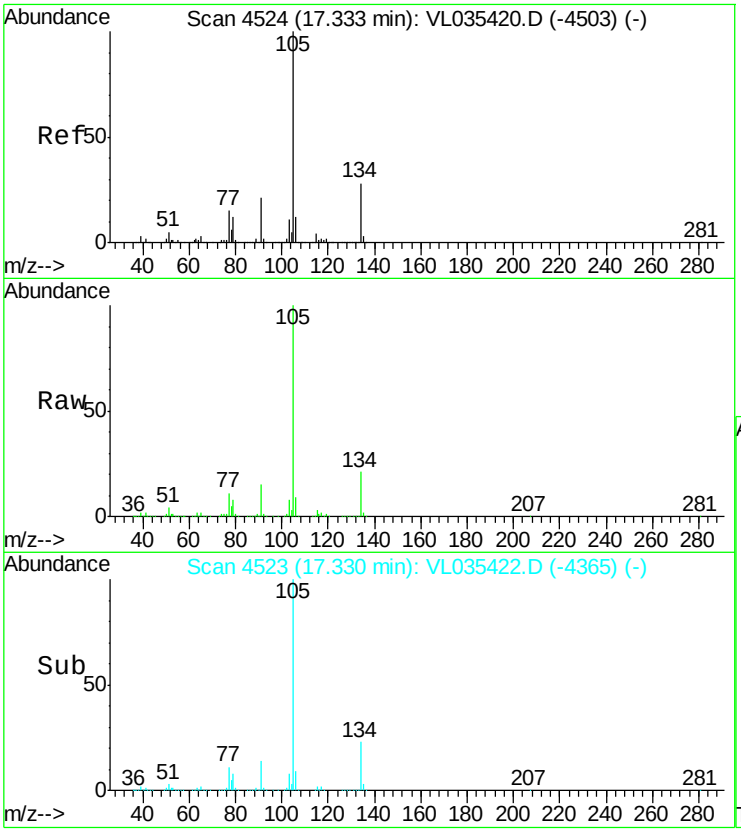


#66
Benzyl Chloride
Concen: 0.573 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 168899

Ion	Ratio	Lower	Upper
91	100		
126	21.1	13.3	19.9#
128	6.4	4.1	6.1#





#67
sec-Butylbenzene
Concen: 0.991 ppbv
RT: 17.33 min Scan# 4523
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:105 Resp: 1316160

Ion	Ratio	Lower	Upper
105	100		
134	21.0	14.1	21.1

Instrument :
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ClientSampleId :
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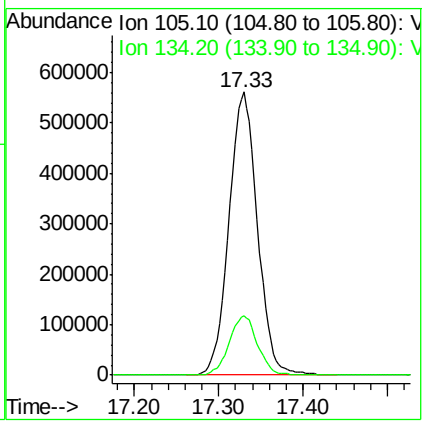
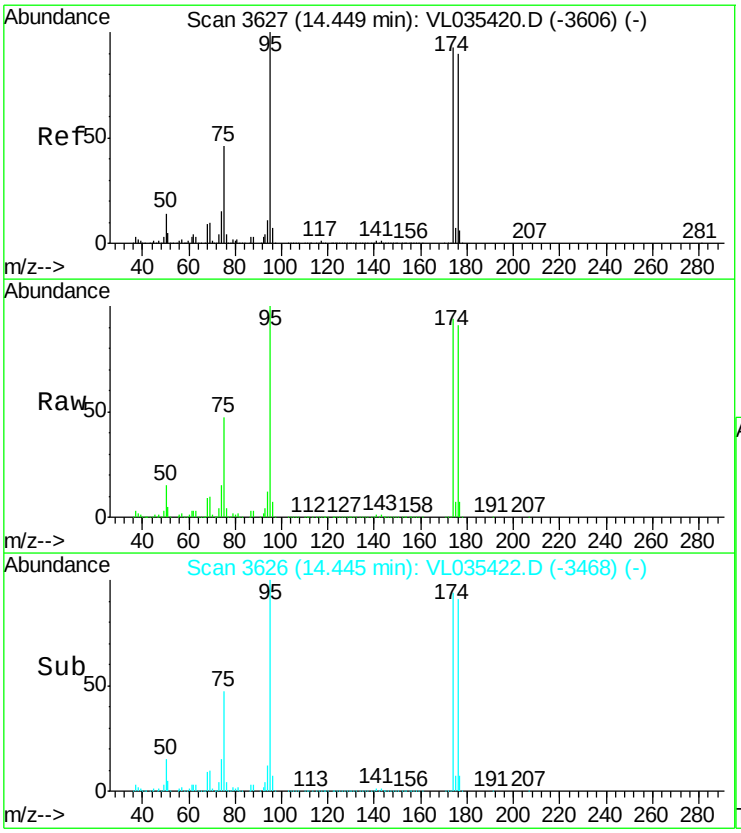
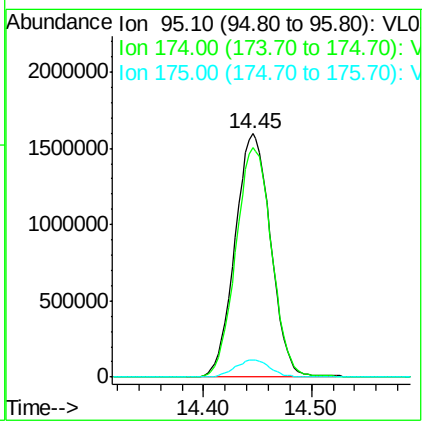


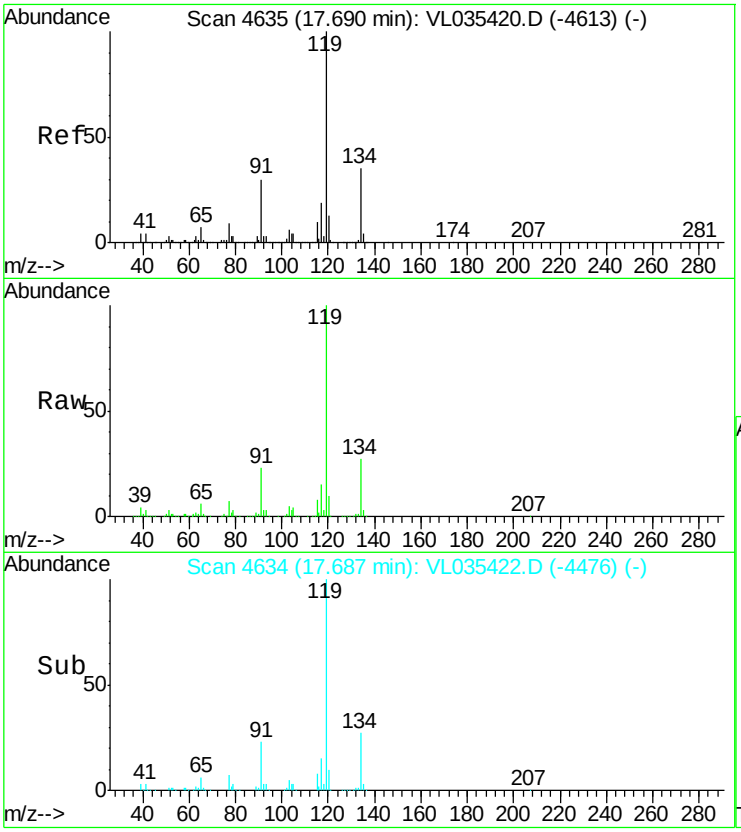


#68
1-Bromo-4-Fluorobenzene
Concen: 8.274 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 95 Resp: 3668232

Ion	Ratio	Lower	Upper
95	100		
174	95.4	44.0	66.0#
175	7.0	3.2	4.8#





#69
p-Isopropyltoluene
Concen: 1.064 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:119 Resp: 1151228

Ion	Ratio	Lower	Upper
119	100		
134	28.2	20.6	30.8
91	23.6	26.6	39.8#

Instrument :
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ClientSampleId :
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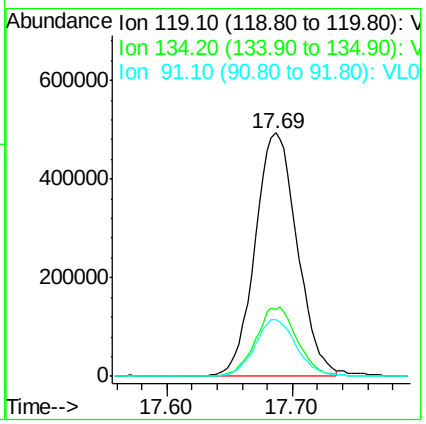
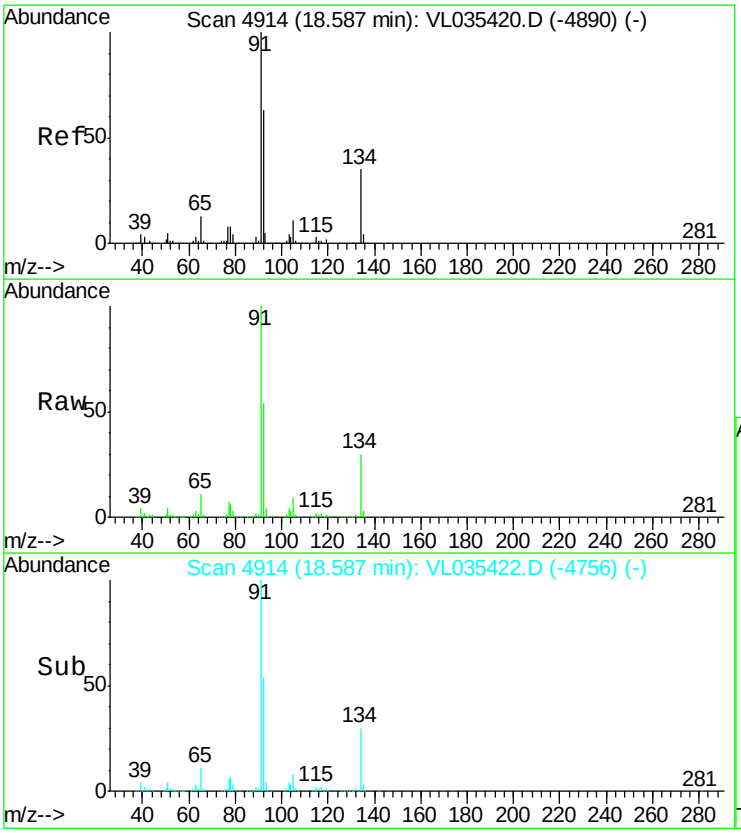
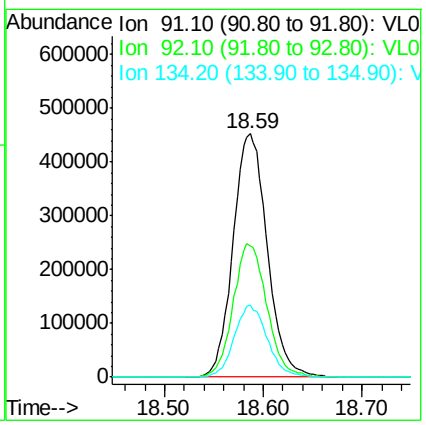


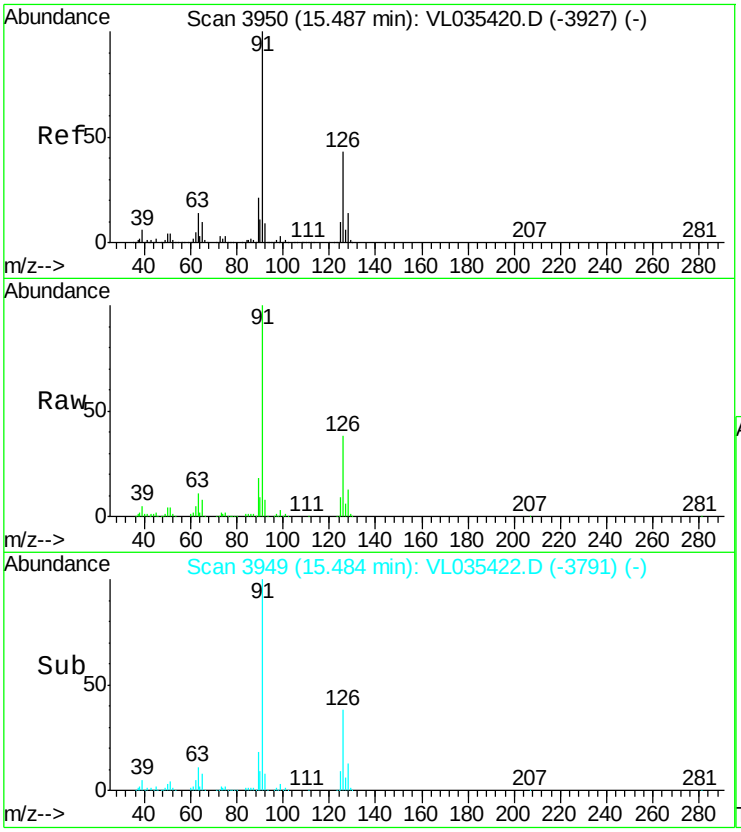


#70
n-Butylbenzene
Concen: 0.858 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 1085243

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.8	67.2
134	28.7	17.3	25.9#

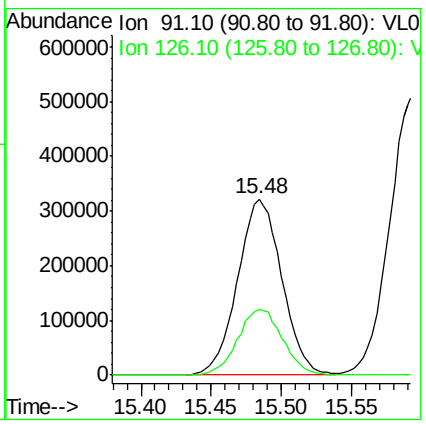




#71
2-Chlorotoluene
Concen: 0.819 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion: 91 Resp: 703913

Ion	Ratio	Lower	Upper
91	100		
126	38.3	11.4	45.6



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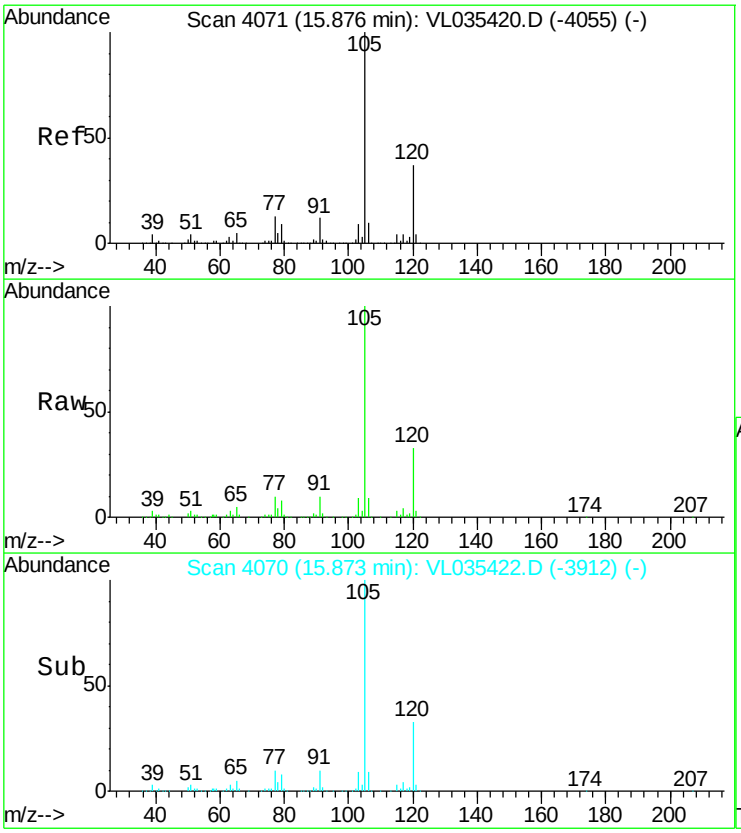
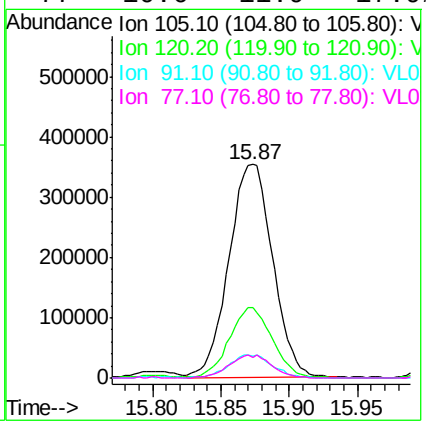
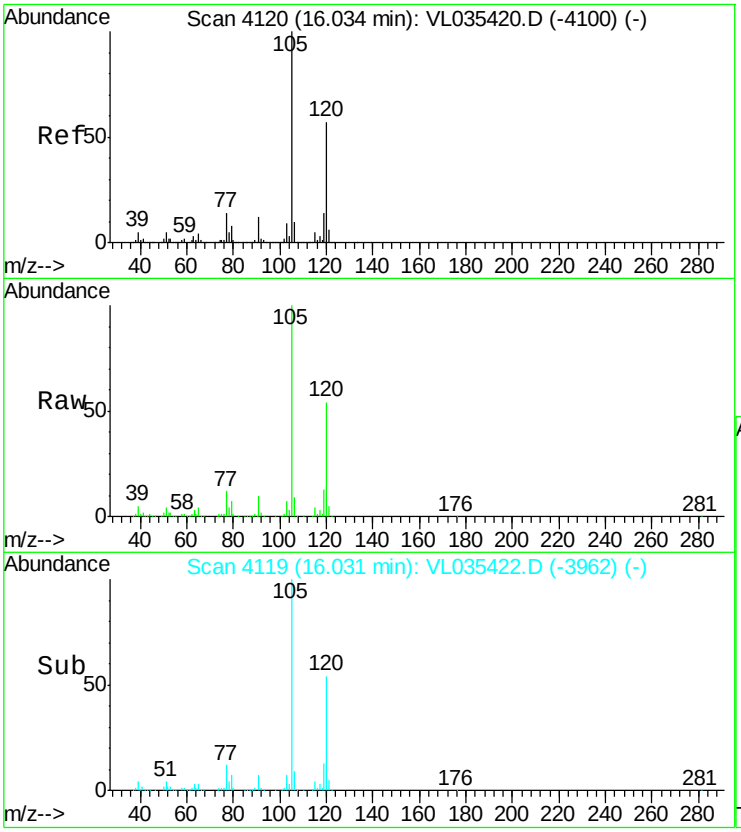


#72
4-Ethyltoluene
Concen: 0.943 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:105 Resp: 785927

Ion	Ratio	Lower	Upper
105	100		
120	32.7	22.7	34.1
91	10.8	10.8	16.2
77	10.6	11.9	17.9#

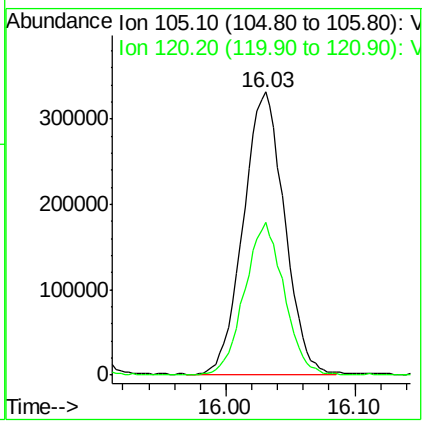




#73
1,3,5-Trimethylbenzene
Concen: 0.935 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:105 Resp: 735560

Ion	Ratio	Lower	Upper
105	100		
120	54.0	35.6	53.4#



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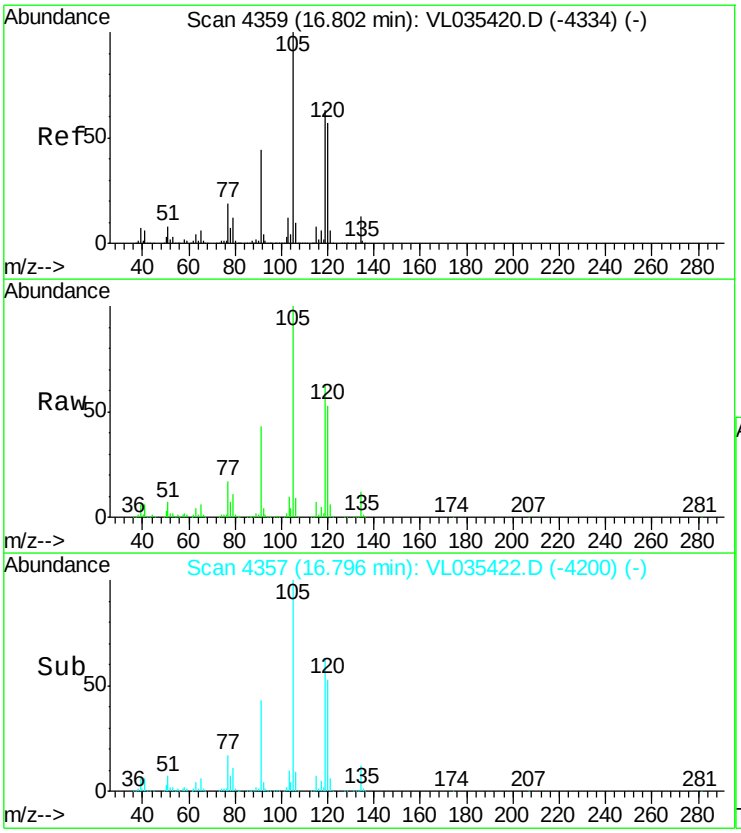
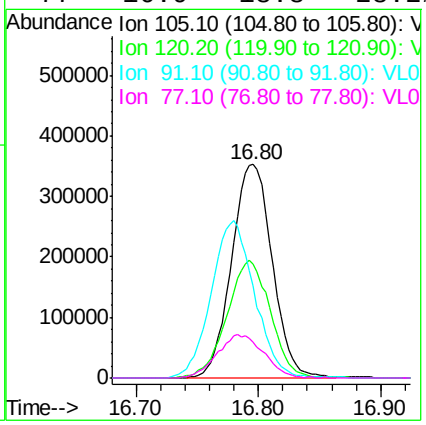
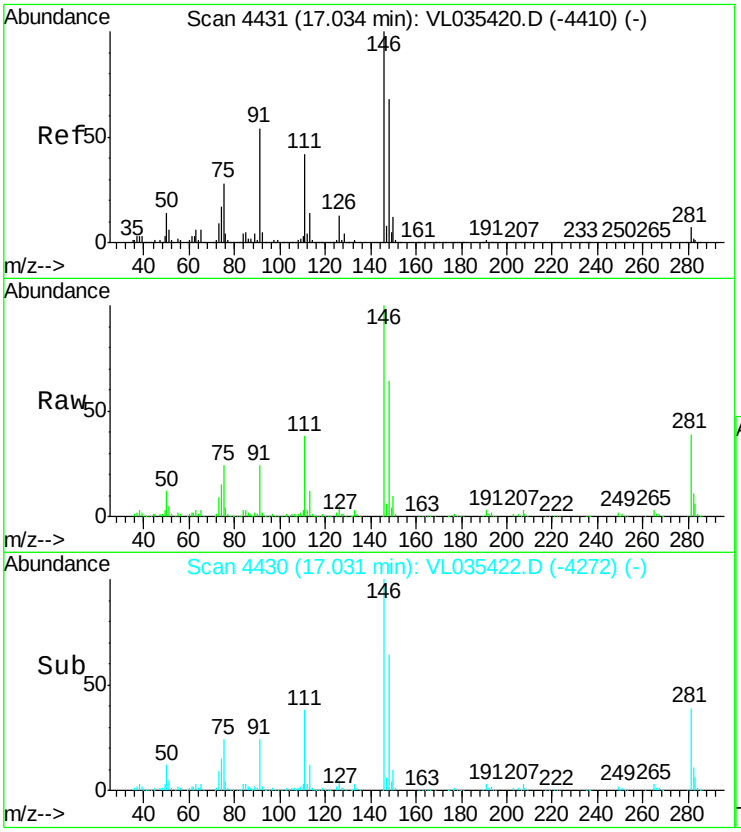


#74
1,2,4-Trimethylbenzene
Concen: 0.962 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:105 Resp: 810568

Ion	Ratio	Lower	Upper
105	100		
120	53.0	37.8	56.8
91	42.8	40.0	60.0
77	16.9	18.8	28.2#

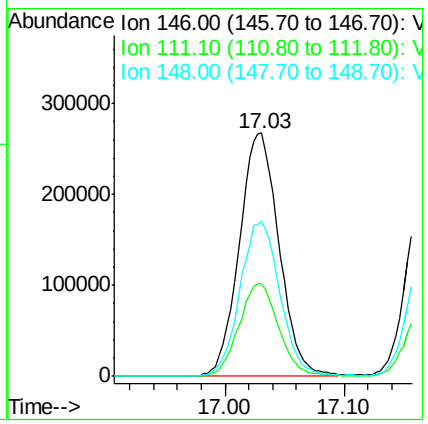




#75
1,3-Dichlorobenzene
Concen: 1.348 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:146 Resp: 618420

Ion	Ratio	Lower	Upper
146	100		
111	38.2	25.6	76.8
148	64.4	32.3	96.9



Instrument :
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ClientSampleId :
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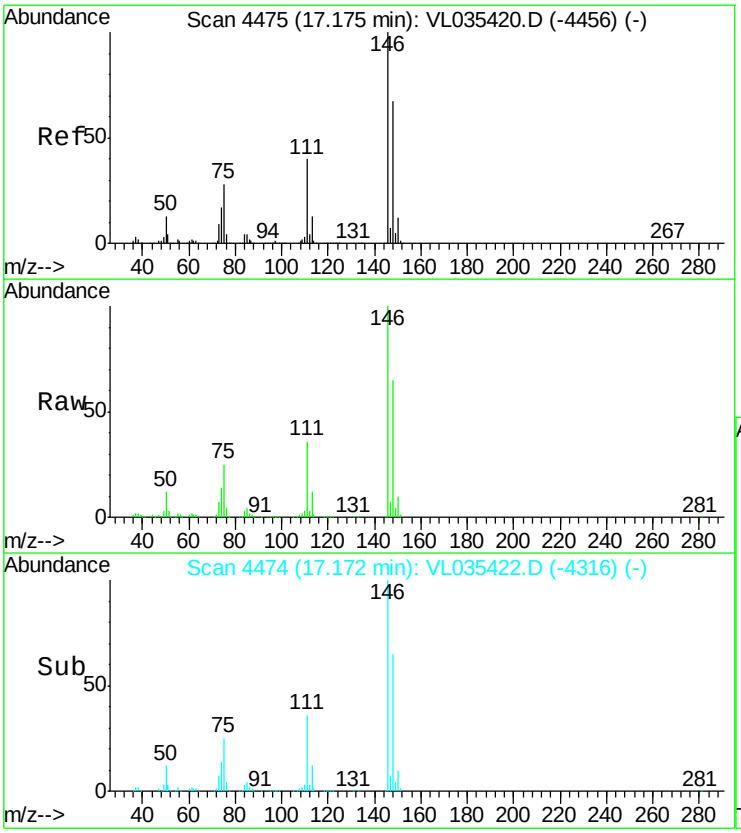
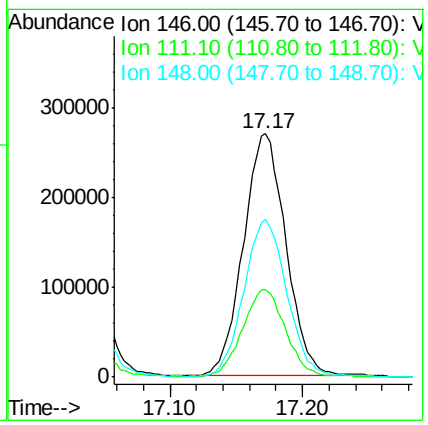
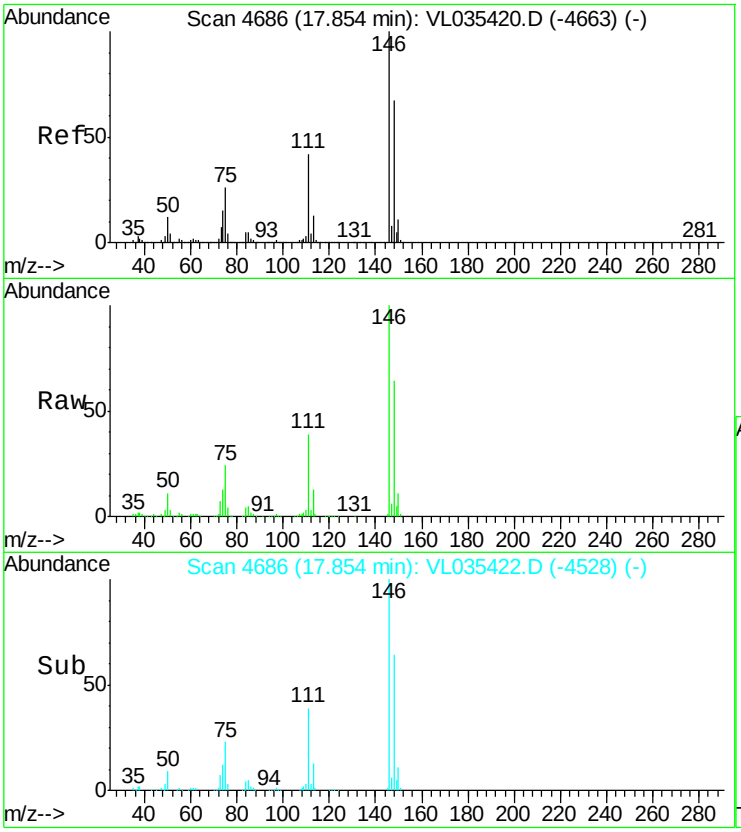


#76
1,4-Dichlorobenzene
Concen: 1.275 ppbv
RT: 17.17 min Scan# 4474
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:146 Resp: 599934

Ion	Ratio	Lower	Upper
146	100		
111	37.3	24.8	74.4
148	66.9	32.1	96.3

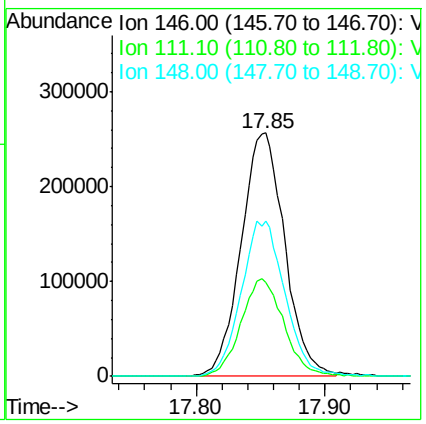




#77
1,2-Dichlorobenzene
Concen: 1.303 ppbv
RT: 17.85 min Scan# 4686
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:146 Resp: 602374

Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.3	78.9
148	64.6	32.0	96.0



Instrument :
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ClientSampleId :
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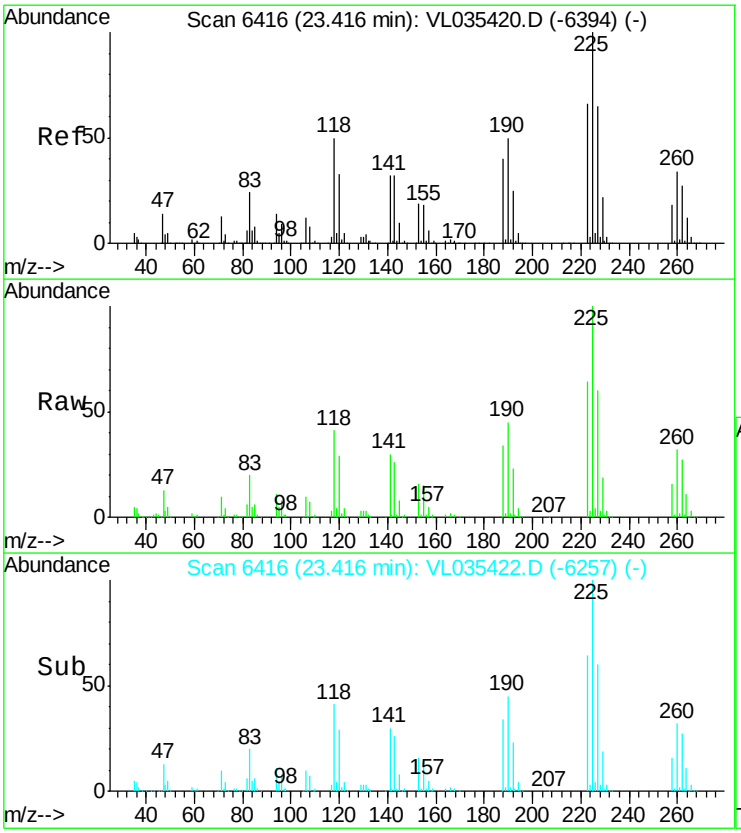
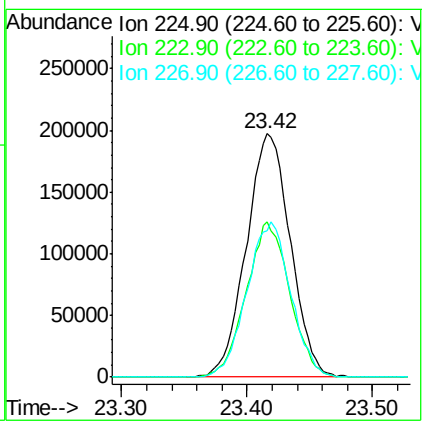
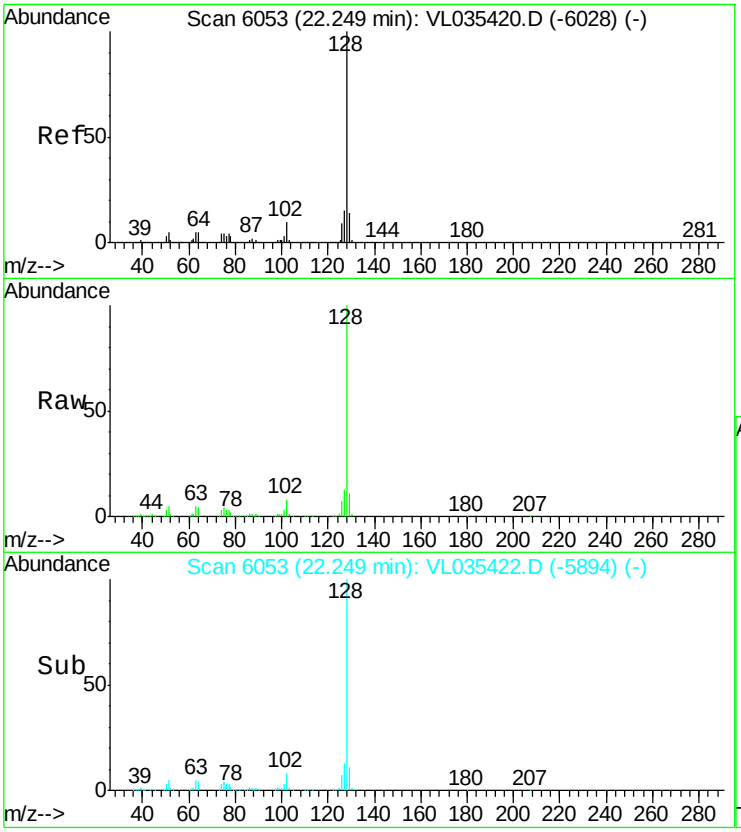


#78
Hexachloro-1,3-Butadiene
Concen: 1.358 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:225 Resp: 482274

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.4	51.0	76.6

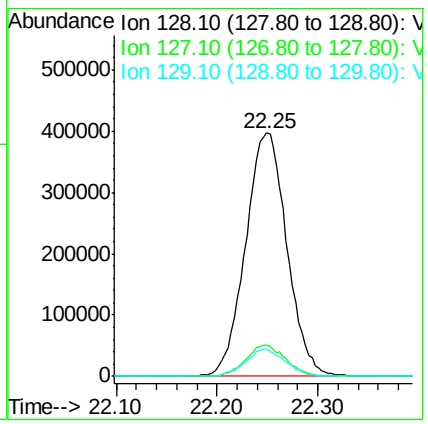




#79
Naphthalene
Concen: 1.145 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:128 Resp: 1126851

Ion	Ratio	Lower	Upper
128	100		
127	12.6	11.4	17.0
129	11.2	9.5	14.3



Instrument :
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ClientSampleId :
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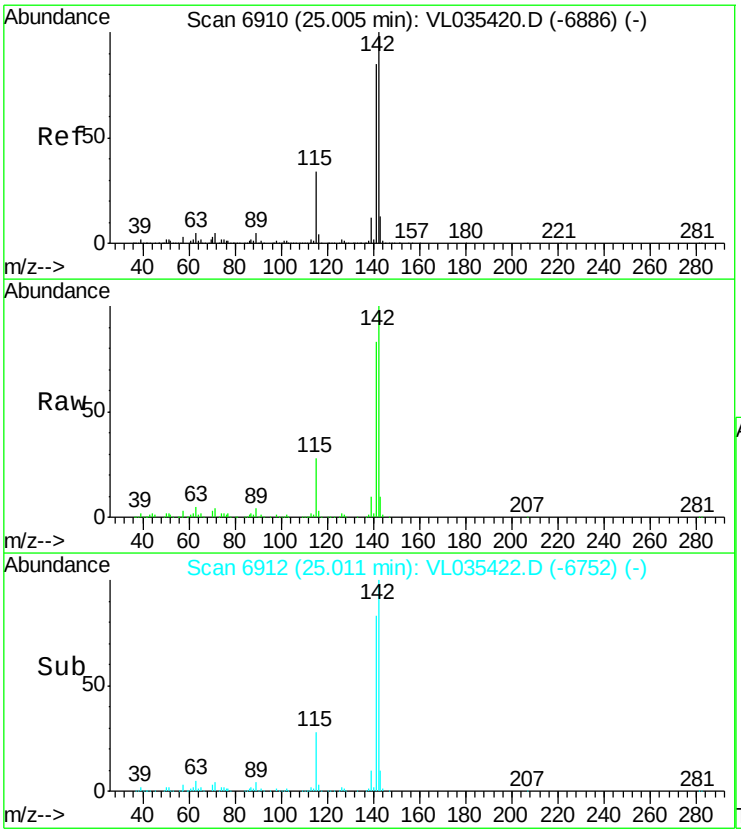
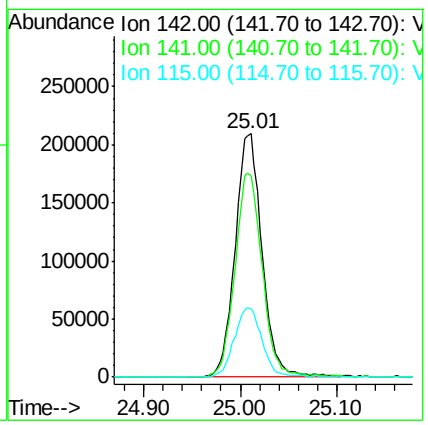
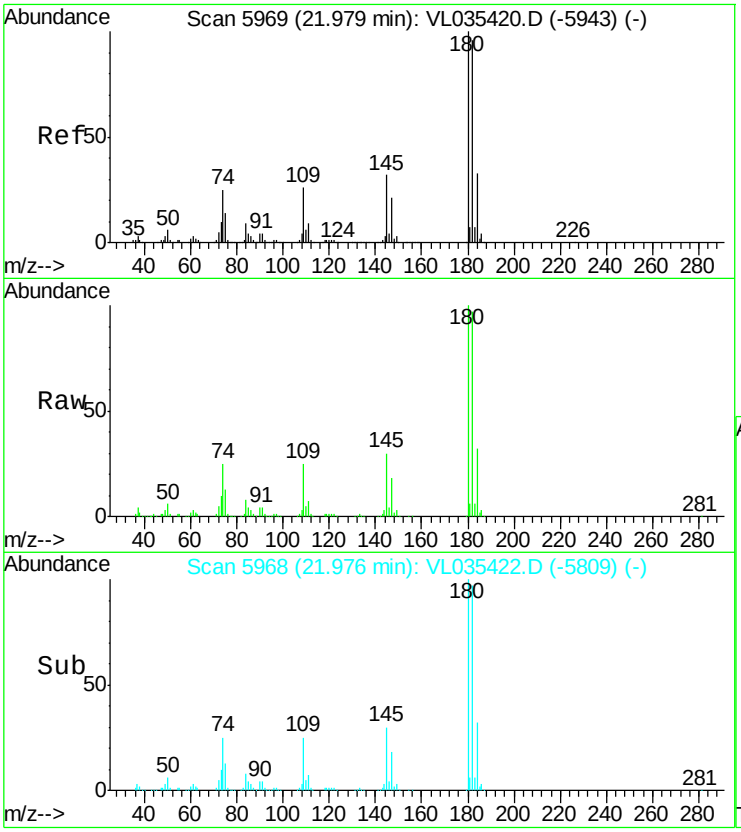


#80
Naphthalene,2-methyl-
Concen: 0.988 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:142 Resp: 405637

Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.1	100.7
115	29.4	36.1	54.1#

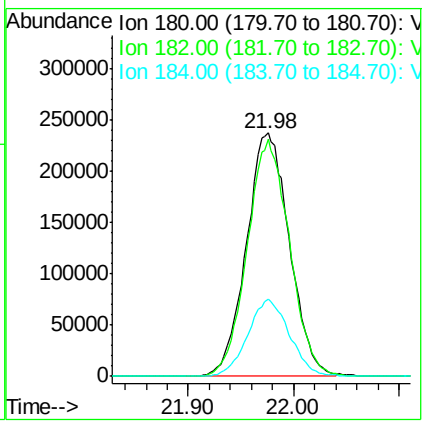




#81
1,2,4-Trichlorobenzene
Concen: 1.443 ppbv
RT: 21.98 min Scan# 5968
Delta R.T. 0.01 min
Lab File: VL035422.D
Acq: 17 Aug 2020 15:30

Tgt Ion:180 Resp: 673091

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	115.0
184	30.8	24.8	37.2



Instrument :
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ClientSampleId :
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