

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055137.D
 Acq On : 19 Apr 2019 13:06
 Operator : JC/SP
 Sample : VN0419WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0419WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:06:32 AM

Quant Time: Apr 20 04:08:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69992	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	369959	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325204	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165705	31.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.53%
60) 4-Bromofluorobenzene	12.40	95	144686	28.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.27%
63) Toluene-d8	10.09	98	468661	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	76729	18.639	ug/l 100
3) Chloromethane	2.06	50	104142	18.728	ug/l 95
4) Vinyl Chloride	2.19	62	87937	18.287	ug/l 100
5) Bromomethane	2.56	94	46824	16.834	ug/l 94
6) Chloroethane	2.70	64	48582	18.039	ug/l 99
7) Trichlorofluoromethane	3.02	101	127722	20.785	ug/l 98
8) Diethyl Ether	3.41	74	51098	25.899	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	80130	23.855	ug/l 97
10) 1,1-Dichloroethene	3.74	96	77188	24.854	ug/l 86
11) Methyl Iodide	3.95	142	112788	23.998	ug/l 97
12) Methyl Acetate	4.33	43	105057	27.502	ug/l 98
13) Acrolein	3.61	56	35397	105.730	ug/l 97
14) Acrylonitrile	5.00	53	195014	124.609	ug/l 99
15) Acetone	3.82	58	47707	123.189	ug/l 79
16) Carbon Disulfide	4.05	76	194187	18.641	ug/l 97
17) Allyl chloride	4.33	41	156892	20.514	ug/l 97
18) Methylene Chloride	4.55	84	92882	20.233	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	79777	19.733	ug/l 98
20) Diisopropyl ether	5.96	45	327267	21.123	ug/l 95
21) 1,1-Dichloroethane	5.85	63	169906	20.531	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	96801	20.600	ug/l 96
23) tert-Butyl Alcohol	4.79	59	36862	147.718	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	239119	22.930	ug/l # 67
25) Chloroform	7.37	83	163202	20.589	ug/l 97
26) Cyclohexane	7.66	56	143863	18.736	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	116657	20.247	ug/l 98
30) 2-Butanone	6.84	43	243522	127.329	ug/l 100
31) 2,2-Dichloropropane	6.83	77	103390	19.497	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	127998	21.018	ug/l 98
33) Carbon Tetrachloride	7.78	117	107473	20.383	ug/l 98
34) Benzene	8.04	78	362856	21.252	ug/l 99
35) Methacrylonitrile	7.17	41	51713	22.941	ug/l 96
36) 1,2-Dichloroethane	8.13	62	125349	21.480	ug/l 99
37) Trichloroethene	8.83	130	87497	20.102	ug/l 90
38) Methylcyclohexane	9.08	83	117830	17.635	ug/l 100
39) 1,2-Dichloropropane	9.12	63	102250	21.688	ug/l 100
40) Dibromomethane	9.21	93	57502	21.578	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	116276	21.142	ug/l	99
42) Vinyl Acetate	5.90	43	1122950	116.140	ug/l	100
43) Ethyl Acetate	6.93	43	103744	26.626	ug/l	96
44) Isopropyl Acetate	8.17	43	171257	25.936	ug/l	100
45) 1,4-Dioxane	9.20	88	20933	572.235	ug/l	97
46) Methyl methacrylate	9.20	41	81400	23.831	ug/l	96
47) n-amyl Acetate	12.07	43	119289	24.528	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	105785	20.946	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	128709	20.644	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	80652	22.283	ug/l	98
51) Ethyl methacrylate	10.43	69	98747	22.887	ug/l	96
52) 1,3-Dichloropropane	10.71	76	143839	22.679	ug/l	99
53) Dibromochloromethane	10.90	129	81166	21.770	ug/l	100
54) 1,2-Dibromoethane	11.00	107	77348	22.763	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	184618	102.352	ug/l	99
56) Bromoform	12.13	173	50606	21.602	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	509340	135.813	ug/l	99
59) 2-Hexanone	10.75	43	319482	134.097	ug/l	100
61) Tetrachloroethene	10.63	164	84430	19.950	ug/l	98
62) Toluene	10.16	91	372625	20.795	ug/l	98
64) Chlorobenzene	11.43	112	219892	20.327	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	80306	20.873	ug/l	98
66) Ethyl Benzene	11.51	91	384892	20.038	ug/l	99
67) m/p-Xylenes	11.62	106	282305	39.540	ug/l	100
68) o-Xylene	11.95	106	141436	20.046	ug/l	100
69) Styrene	11.96	104	213877	19.521	ug/l	98
70) Isopropylbenzene	12.25	105	369588	19.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	107107	24.824	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	87486m	24.552	ug/l	
73) Bromobenzene	12.53	156	88880	19.933	ug/l	96
74) n-propylbenzene	12.59	91	401450	19.009	ug/l	99
75) 2-Chlorotoluene	12.67	91	254986	20.019	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	294033	19.279	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19457	21.663	ug/l	98
78) 4-Chlorotoluene	12.77	91	233903	19.273	ug/l	99
79) tert-butylbenzene	12.99	119	253171	19.184	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285905	19.082	ug/l	99
81) sec-Butylbenzene	13.17	105	329147	18.666	ug/l	99
82) p-Isopropyltoluene	13.29	119	266193	17.887	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	140396	18.821	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	129852	18.318	ug/l	99
85) n-Butylbenzene	13.61	91	184146	15.534	ug/l	100
86) Hexachloroethane	13.87	117	44293	18.593	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	144228	19.743	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14187	24.740	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	44248	13.548	ug/l	96
90) Hexachlorobutadiene	15.01	225	40410	16.970	ug/l	99
91) Naphthalene	15.13	128	110686	16.185	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	49494	15.152	ug/l	97

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ClientSampleId :
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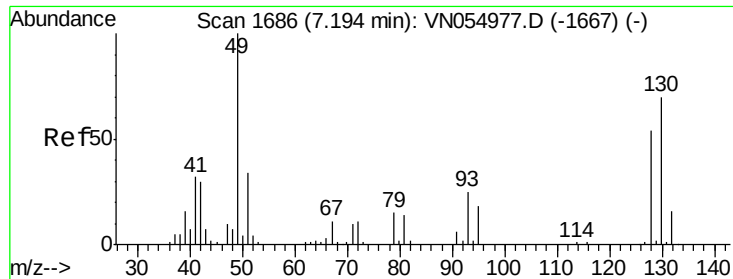
Manual Integrations
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QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

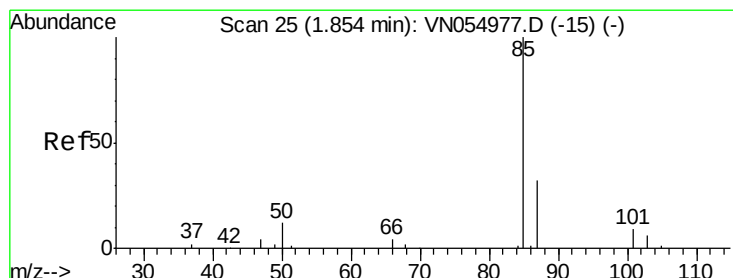
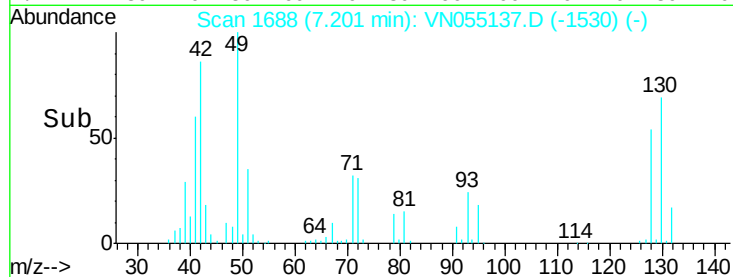
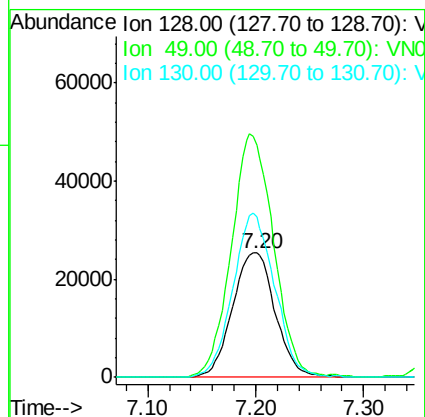
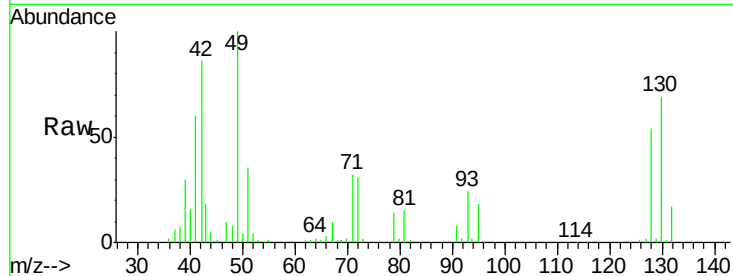
ClientSampleId :

VN0419WBS01

Tot Ion:	128	Resp:	69992
Ion	Ratio	Lower	Upper
128	100		
49	192.2	0.0	480.3
130	128.3	0.0	322.2

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#2

Dichlorodifluoromethane

Concen: 18.639 ug/l

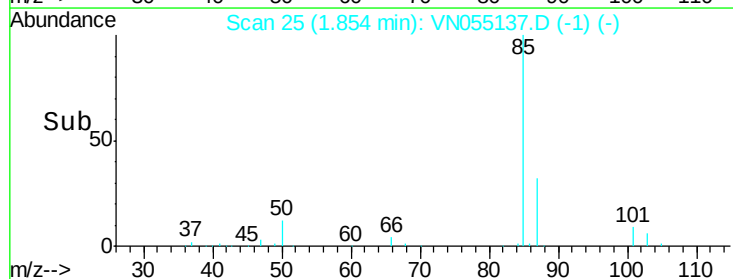
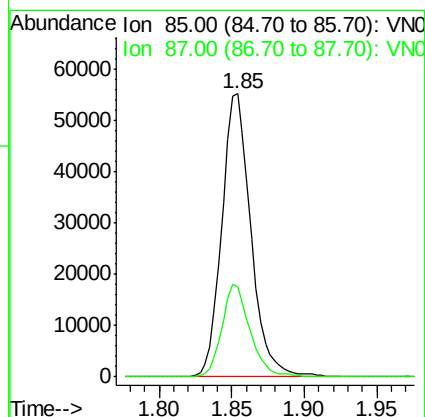
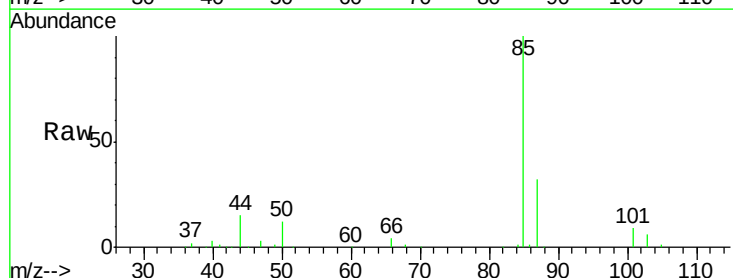
RT: 1.85 min Scan# 25

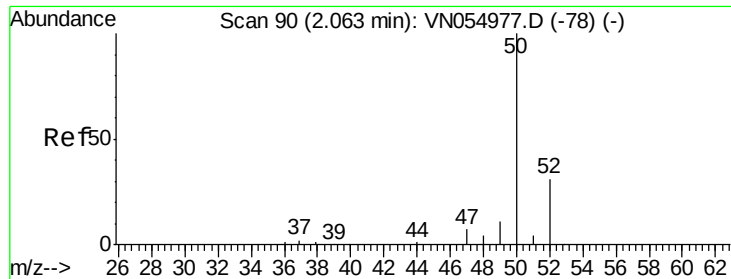
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	85	Resp:	76729
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 18.728 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

Tot Ion: 50 Resp: 104142

Ion Ratio Lower Upper

50 100

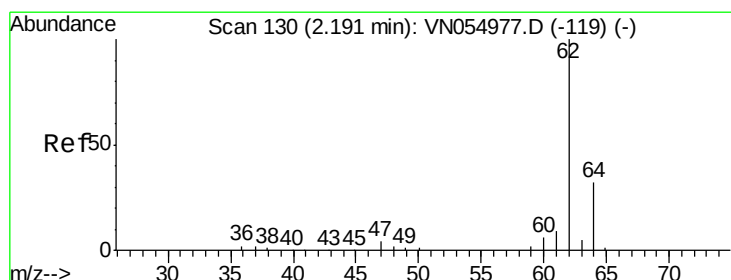
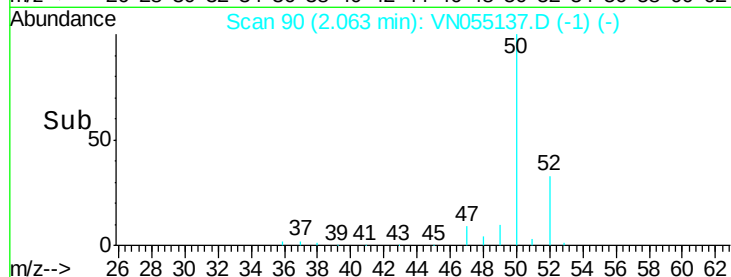
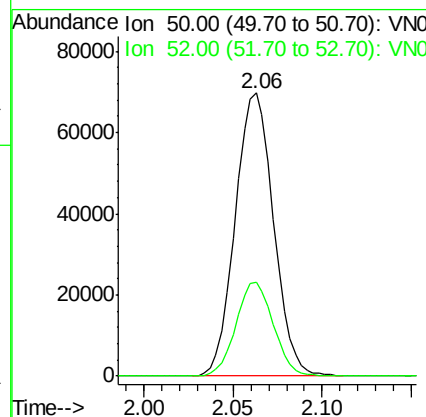
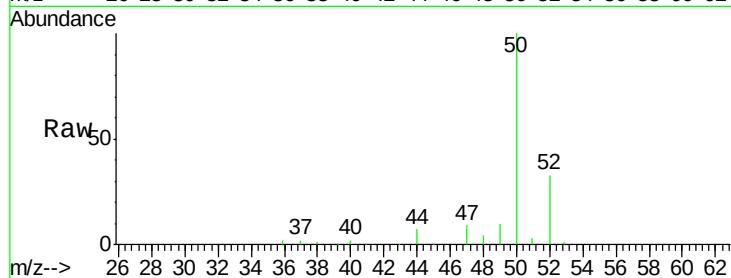
52 33.3 24.5 36.7

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#4

Vinyl Chloride

Concen: 18.287 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055137.D

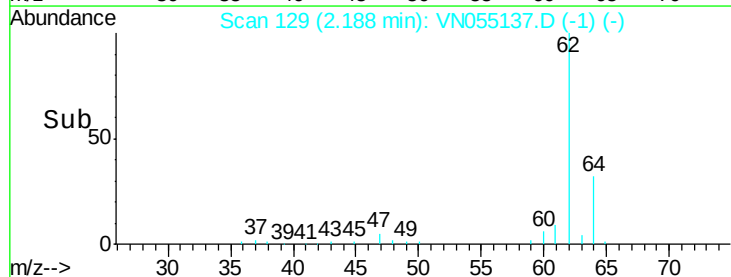
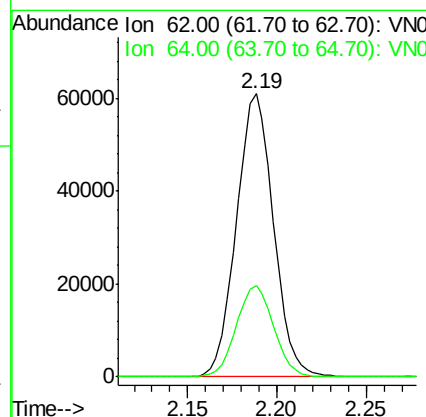
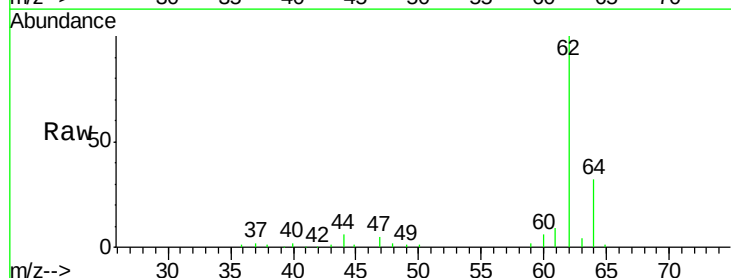
Acq: 19 Apr 2019 13:06

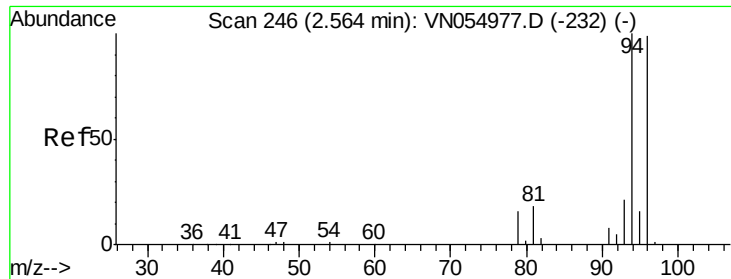
Tgt Ion: 62 Resp: 87937

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 16.834 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

Tot Ion: 94 Resp: 46824

Ion Ratio Lower Upper

94 100

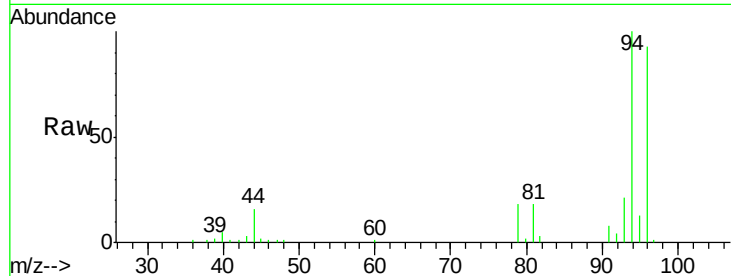
96 92.6 79.1 118.7

Manual Integrations

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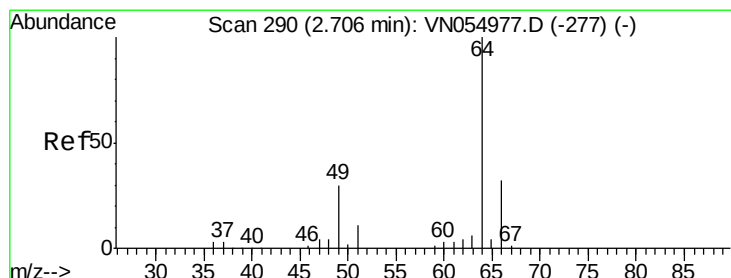
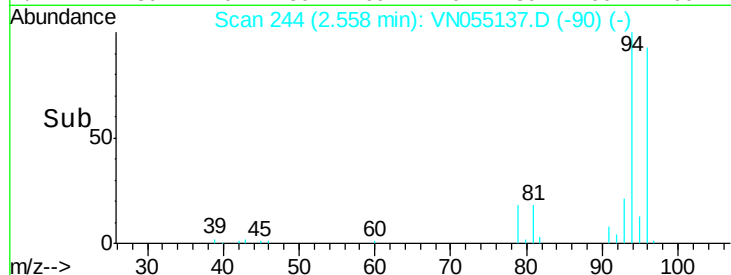
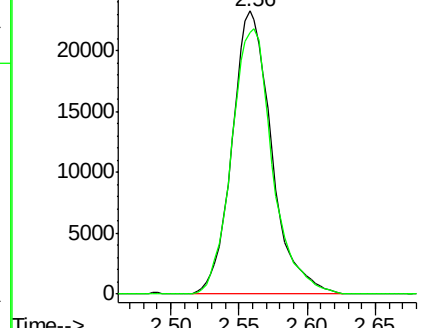
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.039 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN055137.D

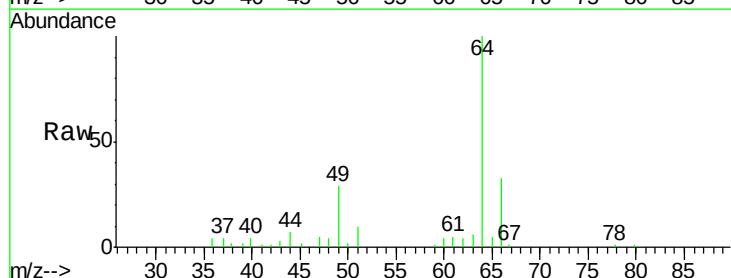
Acq: 19 Apr 2019 13:06

Tgt Ion: 64 Resp: 48582

Ion Ratio Lower Upper

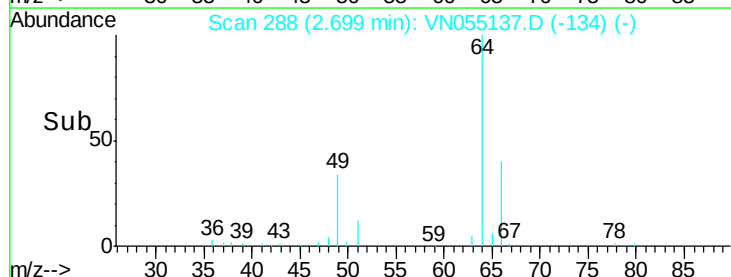
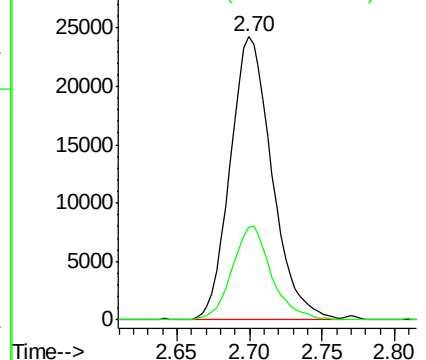
64 100

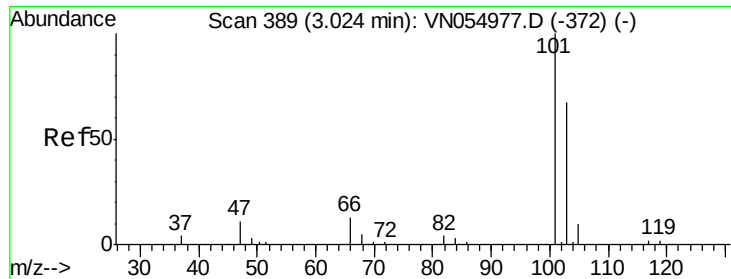
66 32.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

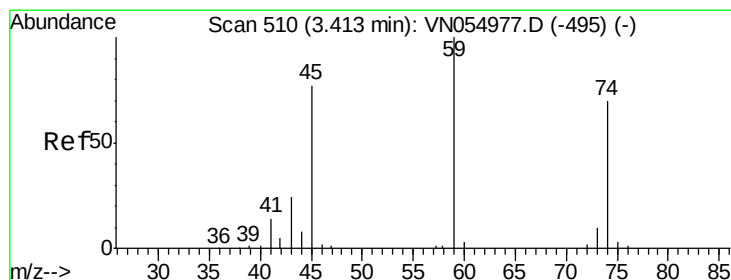
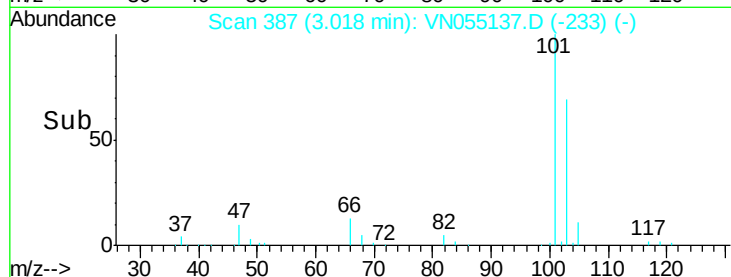
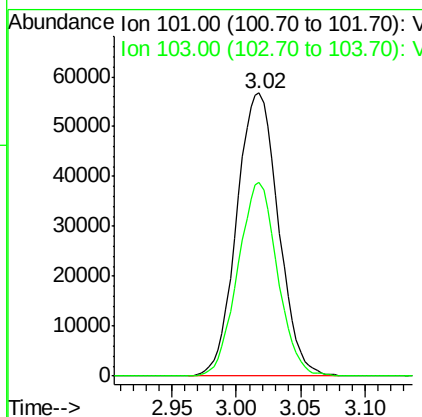
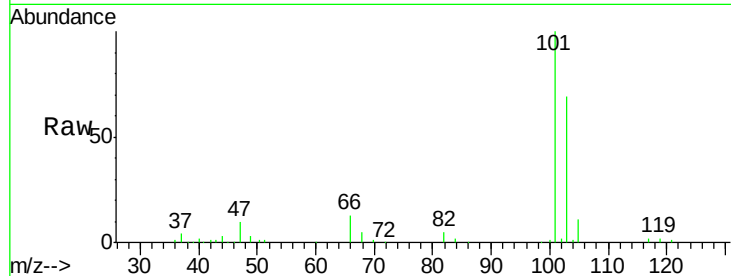
Trichlorofluoromethane
Concen: 20.785 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	53.4	80.0

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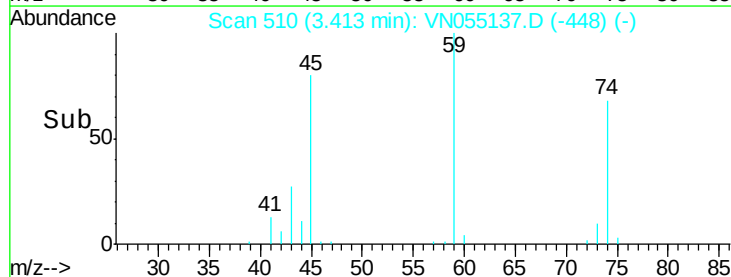
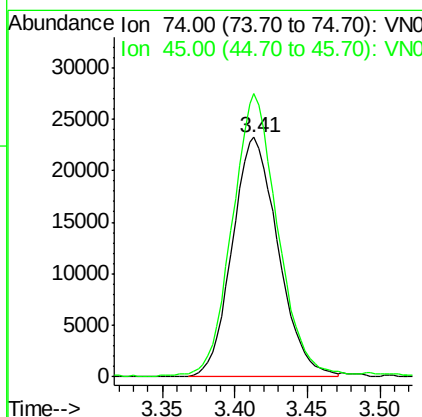
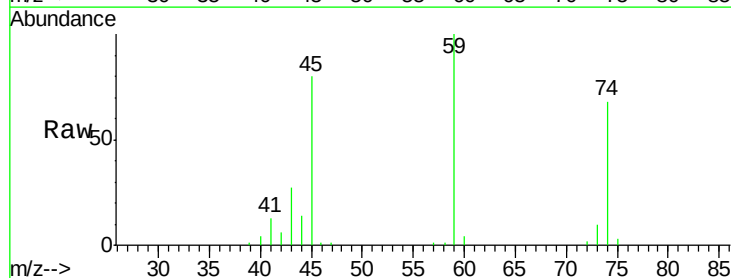
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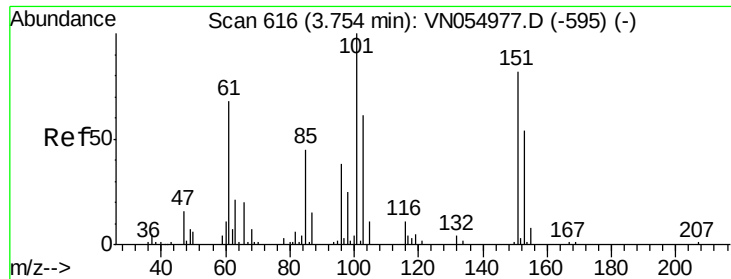


#8

Diethyl Ether
Concen: 25.899 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.855 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

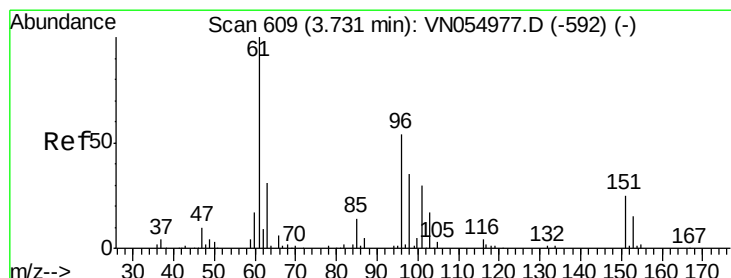
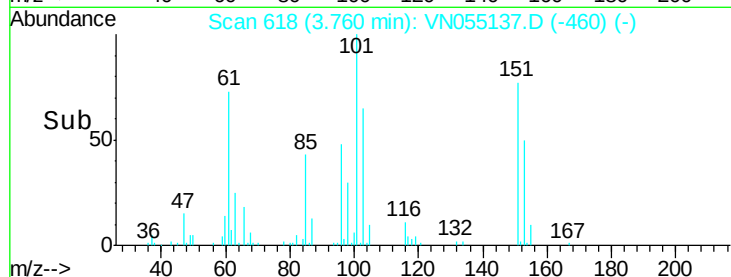
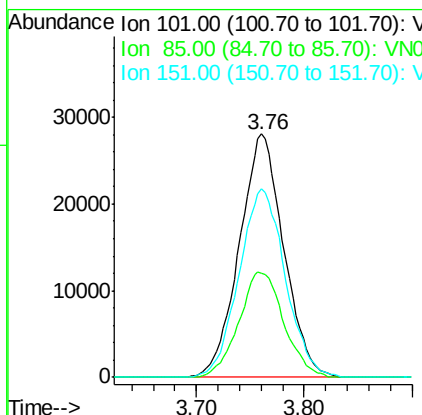
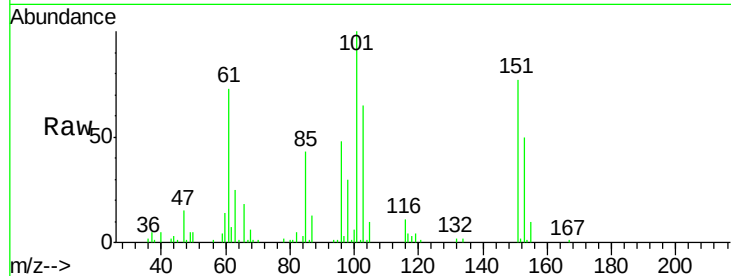
ClientSampleId :

VN0419WBS01

Tot Ion:	101	Resp:	80130
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	91.4
151	80.7	0.0	165.6

Manual Integrations
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4/22/2019 10:06:32 AM



#10

1,1-Dichloroethene

Concen: 24.854 ug/l

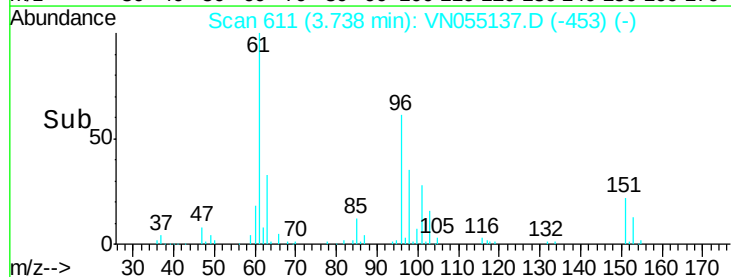
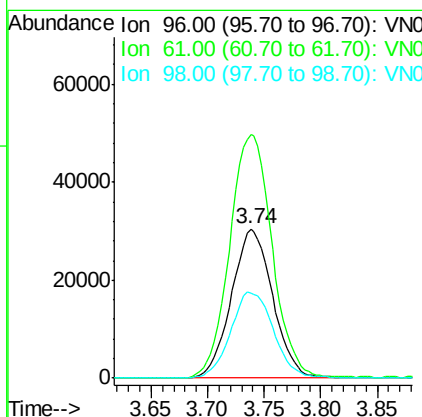
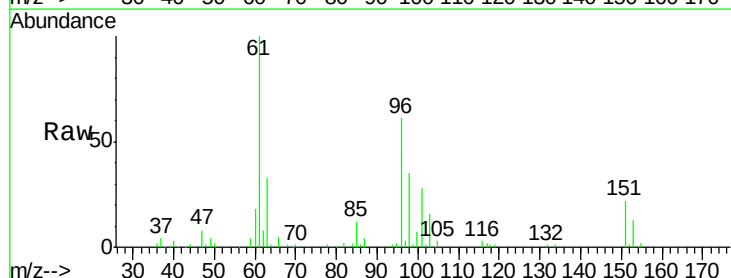
RT: 3.74 min Scan# 611

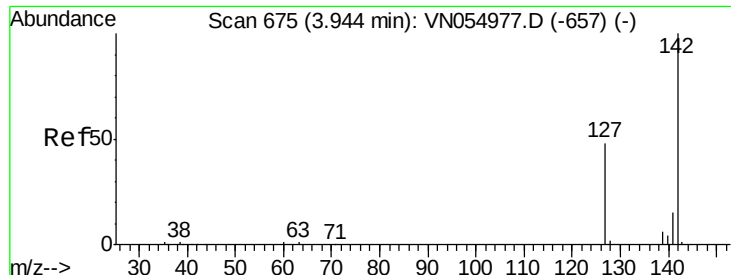
Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	96	Resp:	77188
Ion Ratio	Lower	Upper	
96	100		
61	162.7	148.4	222.6
98	57.3	52.2	78.2





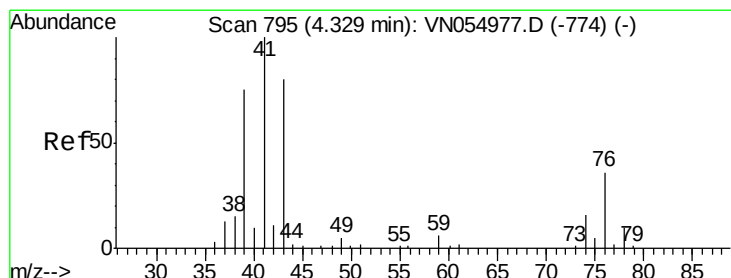
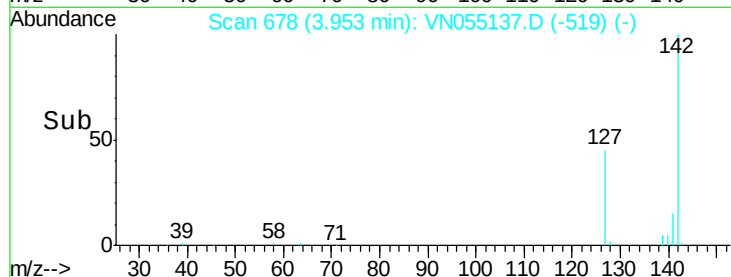
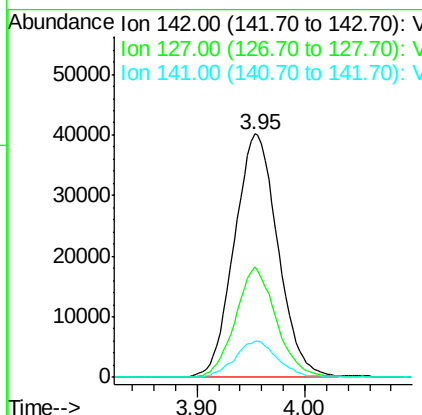
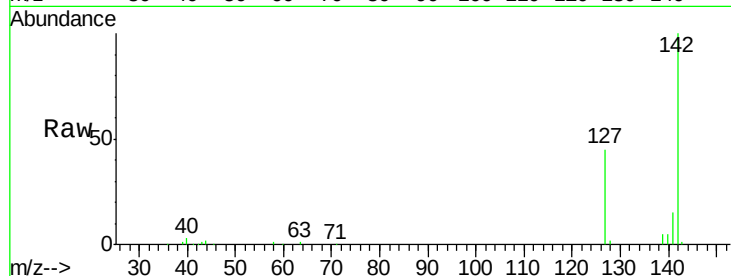
#11
Methvl Iodide
Concen: 23.998 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.1	23.8	71.5
141	14.7	7.3	22.0

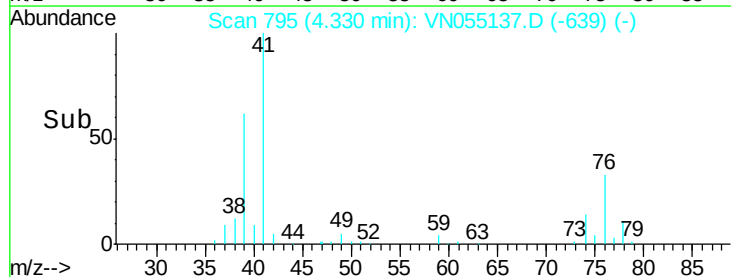
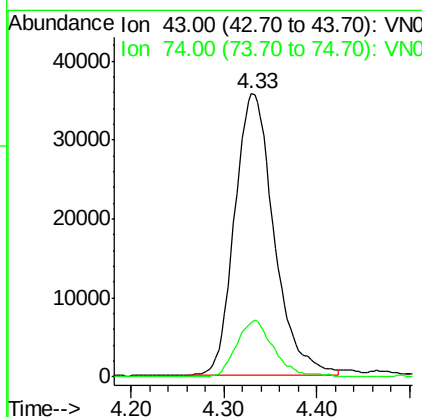
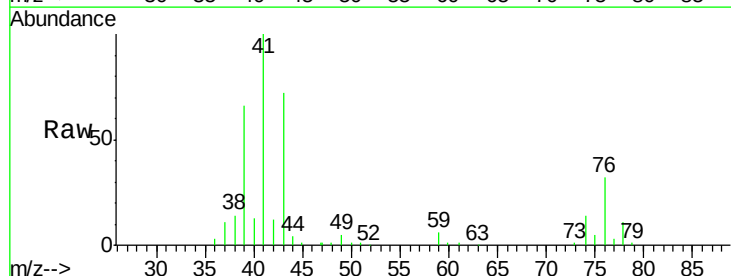
Manual Integrations
APPROVED

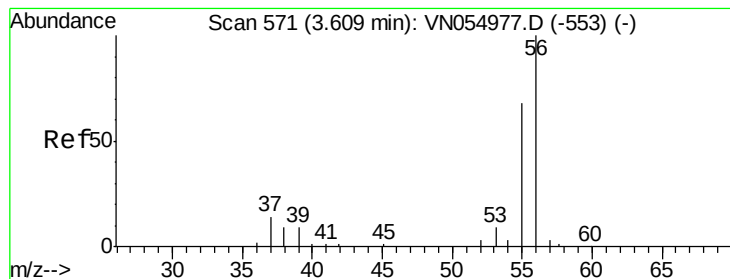
MMDadoda
4/22/2019 10:06:32 AM



#12
Methyl Acetate
Concen: 27.502 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.2	24.4





#13

Acrolein

Concen: 105.730 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

Tot Ion: 56 Resp: 35397

Ion Ratio Lower Upper

56 100

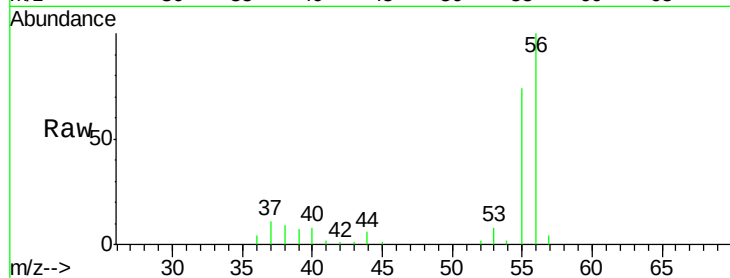
55 73.6 57.0 85.4

Manual Integrations

APPROVED

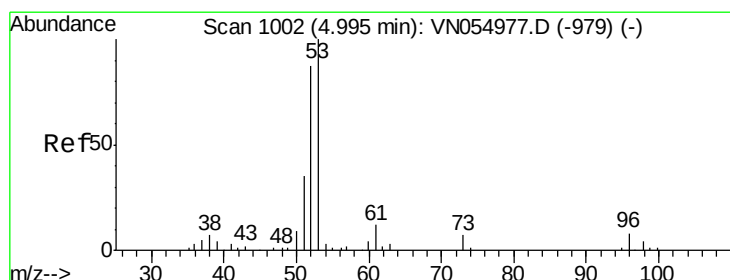
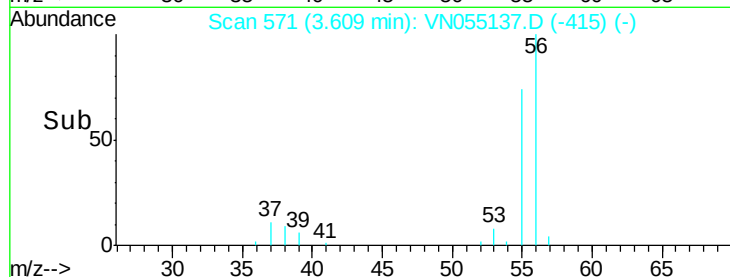
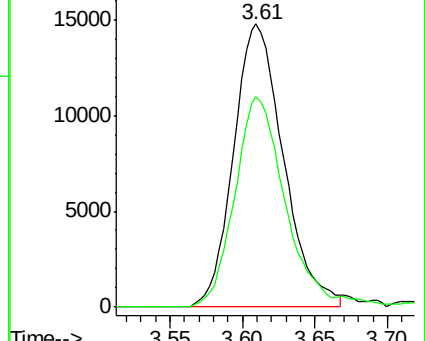
MMDadoda

4/22/2019 10:06:32 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 124.609 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

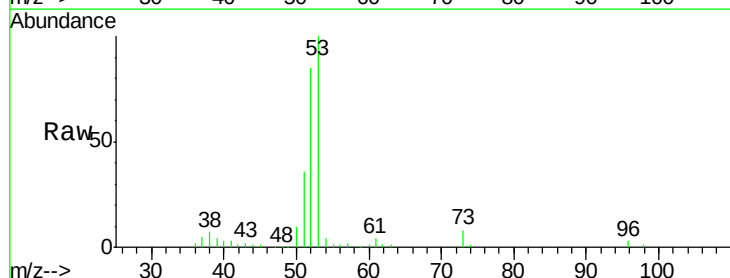
Tgt Ion: 53 Resp: 195014

Ion Ratio Lower Upper

53 100

52 82.8 42.3 126.8

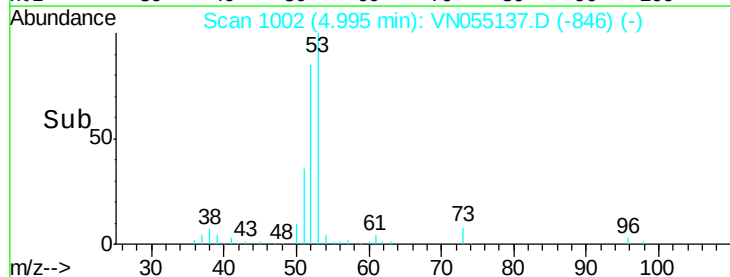
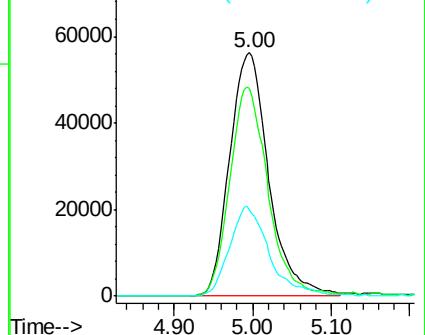
51 37.2 18.6 56.0

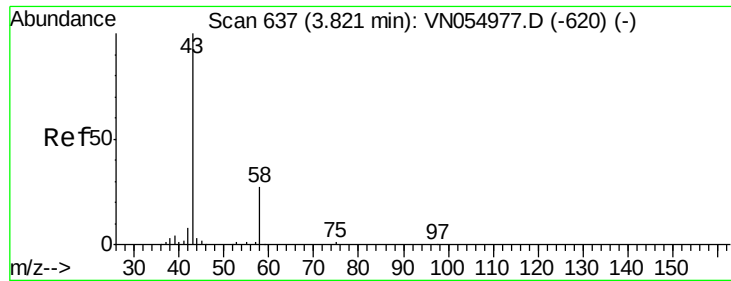


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 123.189 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

Tot Ion: 58 Resp: 47707

Ion Ratio Lower Upper

58 100

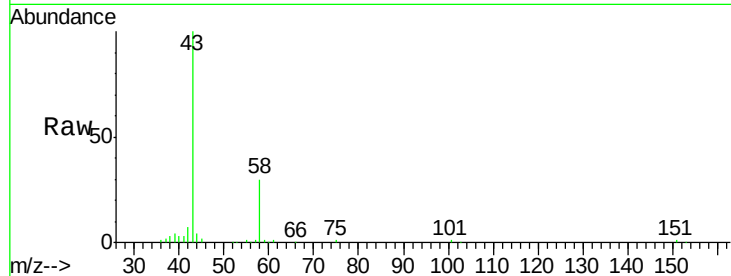
43 325.2 297.2 445.8

Manual Integrations

APPROVED

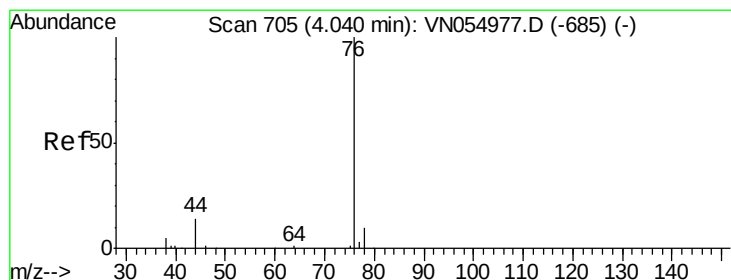
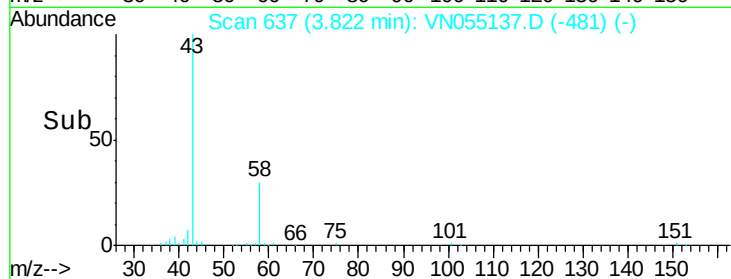
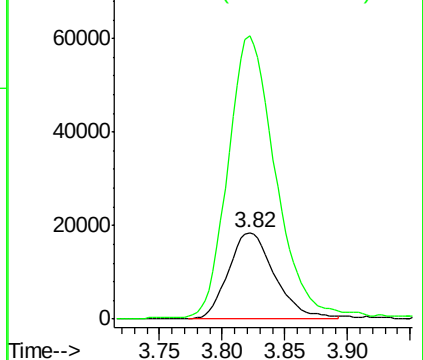
MMDadoda

4/22/2019 10:06:32 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.641 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN055137.D

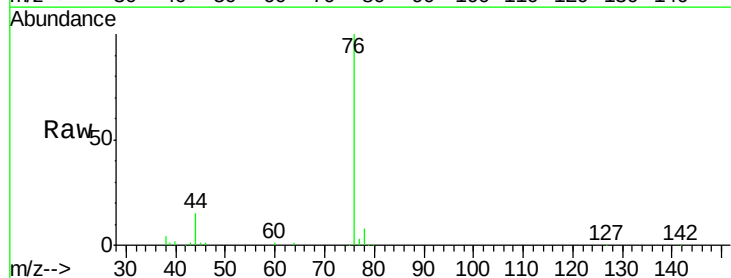
Acq: 19 Apr 2019 13:06

Tgt Ion: 76 Resp: 194187

Ion Ratio Lower Upper

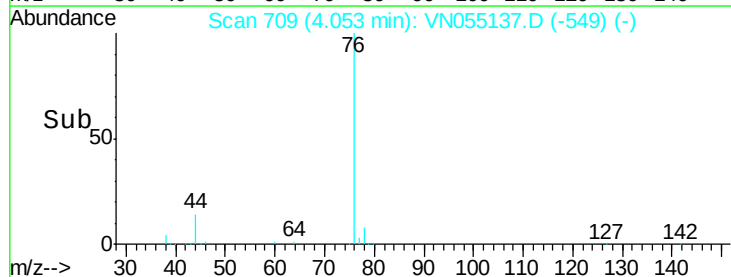
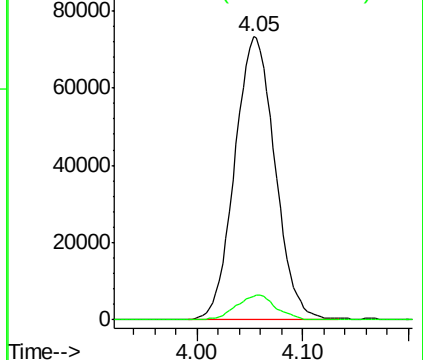
76 100

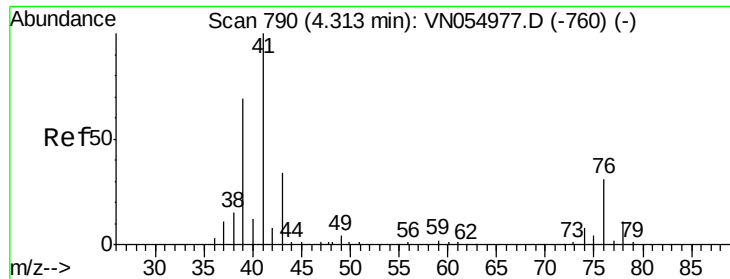
78 8.5 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





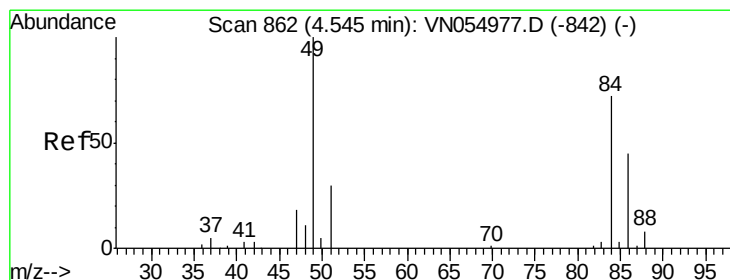
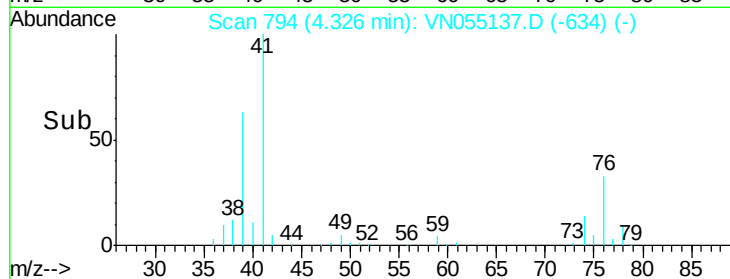
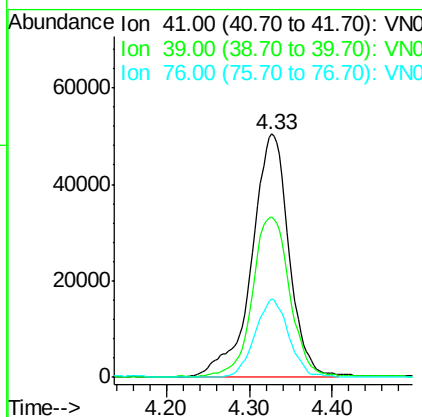
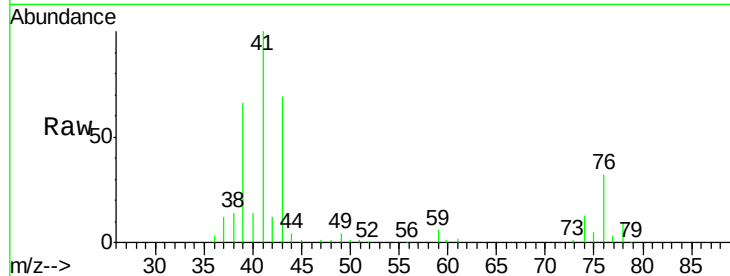
#17
Allvl chloride
Concen: 20.514 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.4	34.3	102.9
76	32.3	15.8	47.3

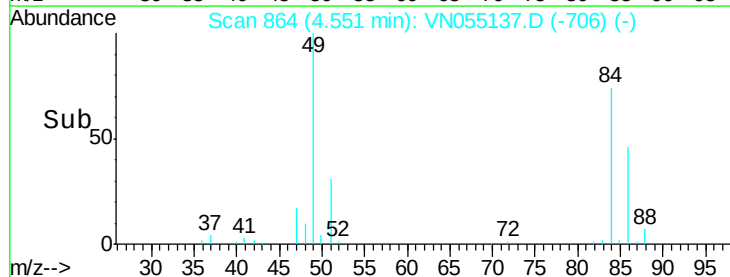
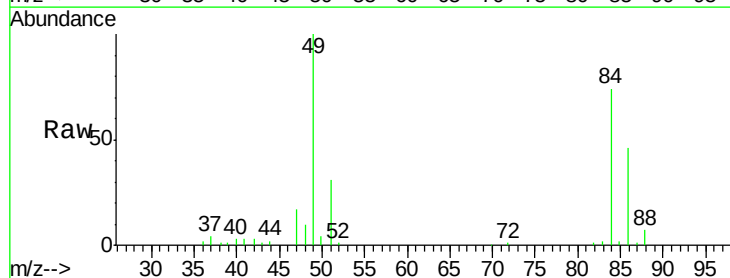
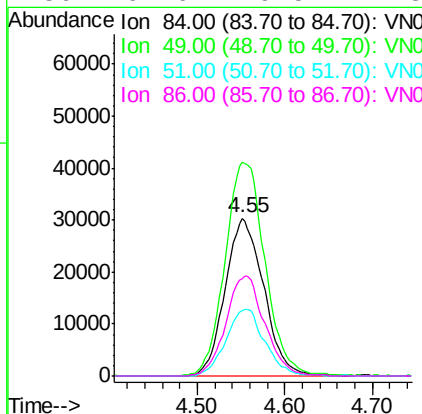
Manual Integrations
APPROVED

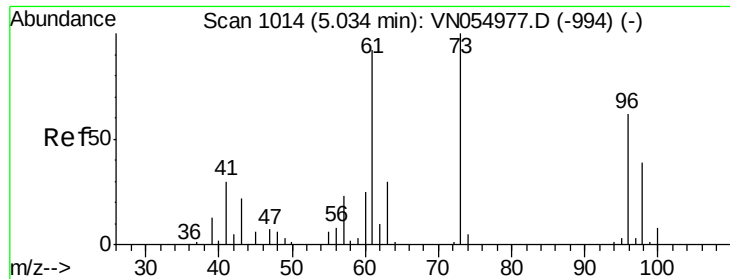
MMDadoda
4/22/2019 10:06:32 AM



#18
Methylene Chloride
Concen: 20.233 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.3	111.0	166.4
51	41.3	33.4	50.2
86	61.6	49.5	74.3





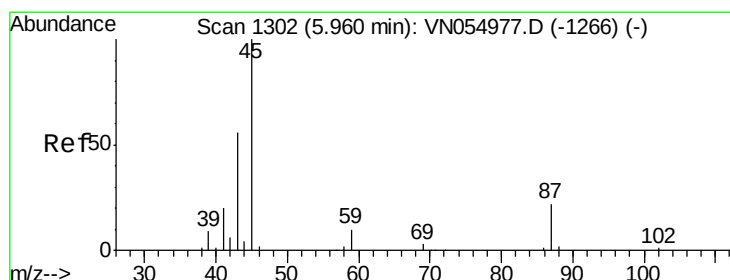
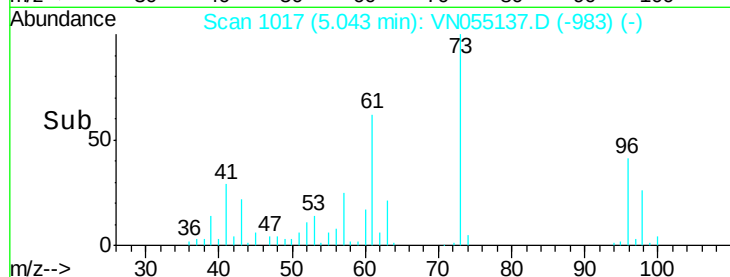
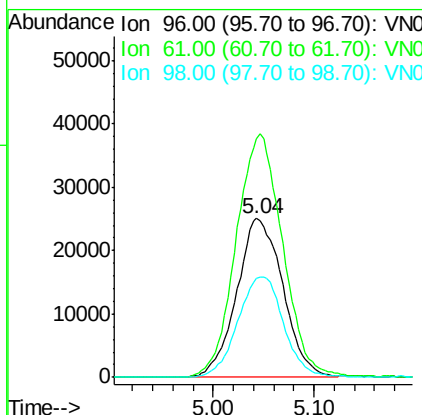
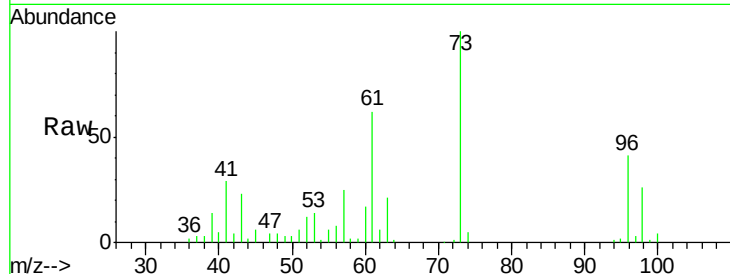
#19
trans-1,2-Dichloroethene
Concen: 19.733 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	117.2	175.8
98	62.4	49.4	74.2

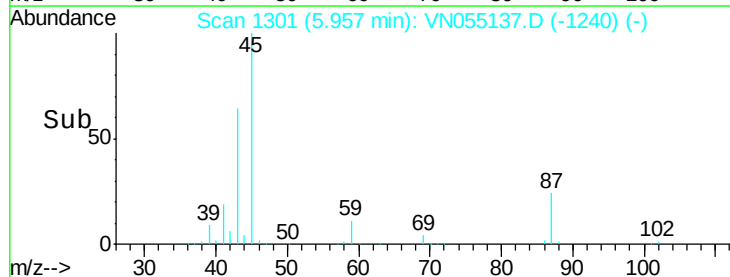
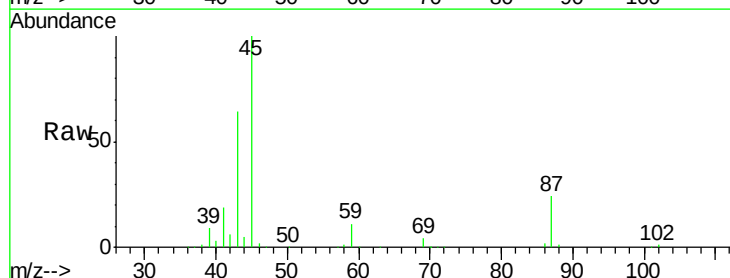
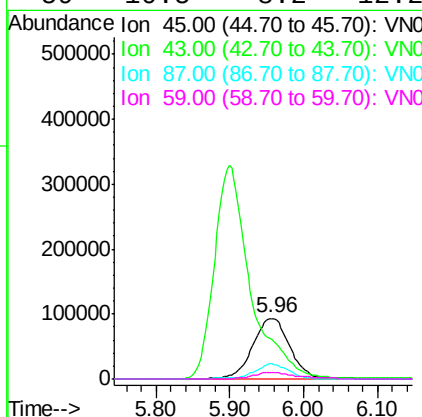
Manual Integrations
APPROVED

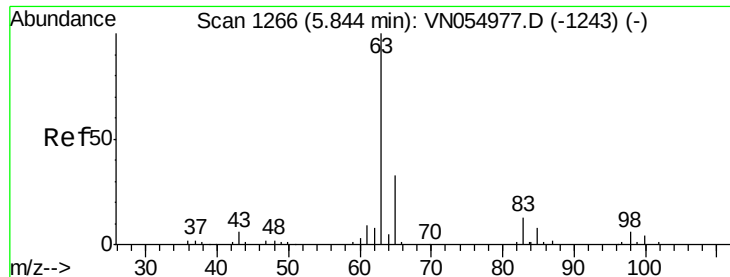
MMDadoda
4/22/2019 10:06:32 AM



#20
Diisopropyl ether
Concen: 21.123 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.8	68.8
87	24.1	18.2	27.4
59	10.5	8.2	12.2





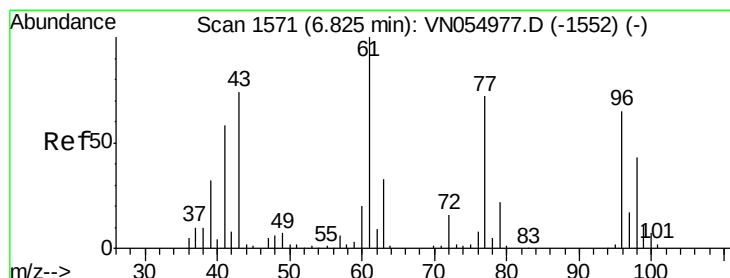
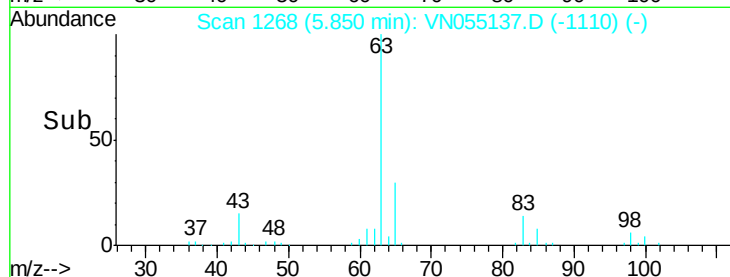
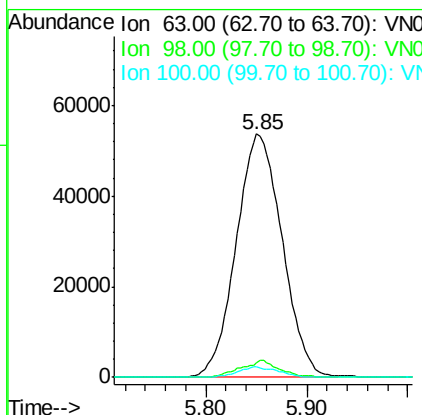
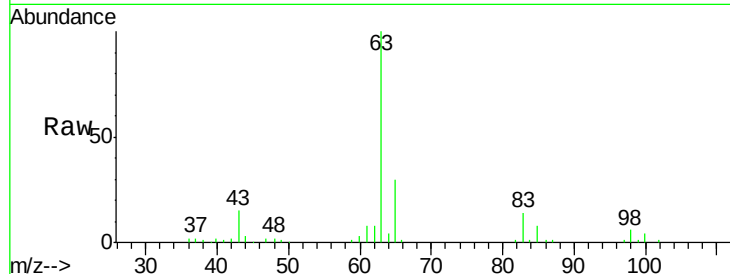
#21
 1,1-Dichloroethane
 Concen: 20.531 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	169906		
98	5.9		2.9	8.7
100	4.2		2.0	5.8

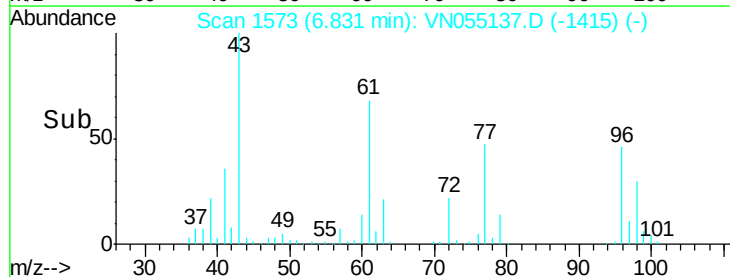
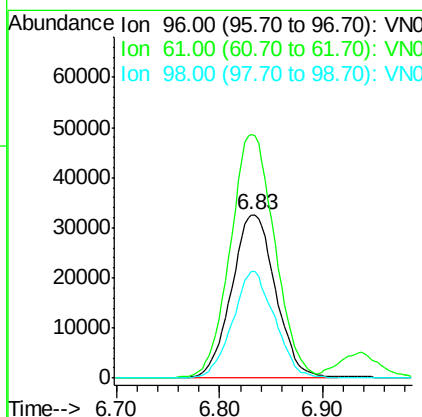
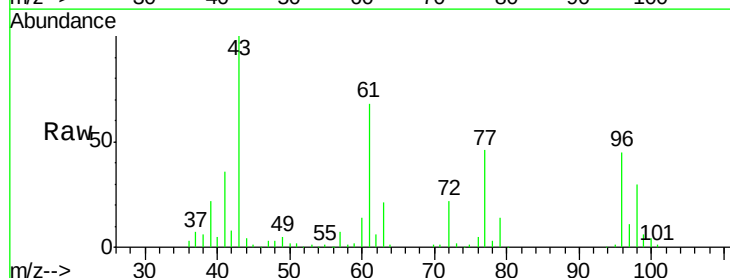
Manual Integrations
 APPROVED

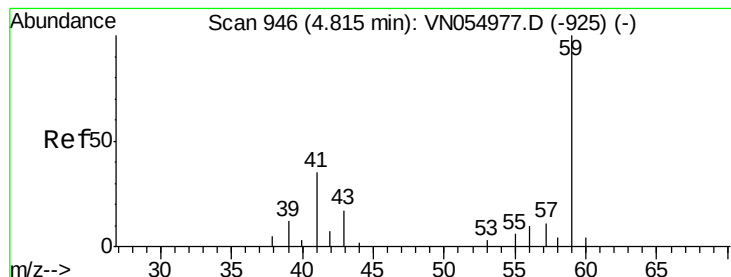
MMDadoda
 4/22/2019 10:06:32 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.600 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	96801		
61	150.7		125.0	187.6
98	62.5		52.2	78.2





#23

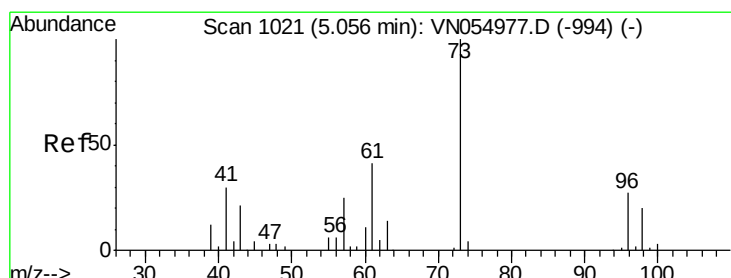
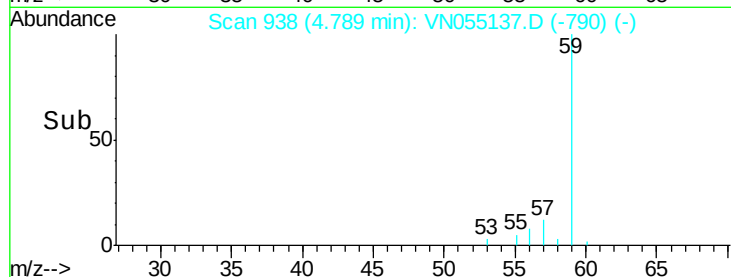
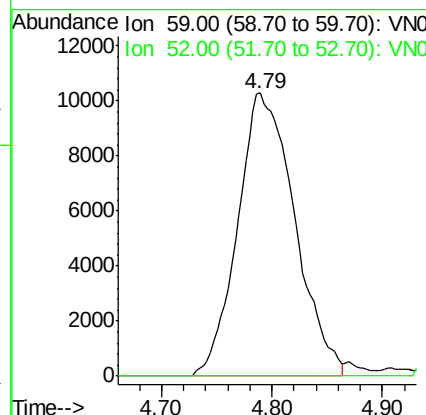
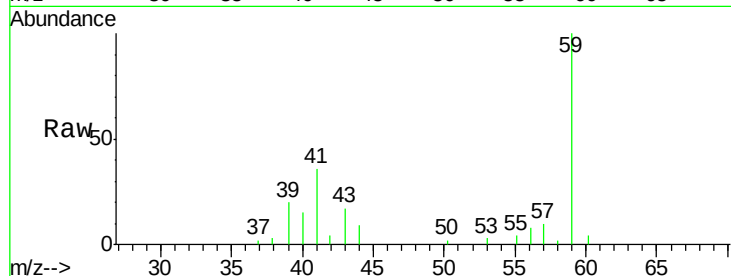
tert-Butyl Alcohol
 Concen: 147.718 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	59	52	Ratio	100	0.0	Resp	36862	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	36862	Lower	Upper

Manual Integrations
 APPROVED

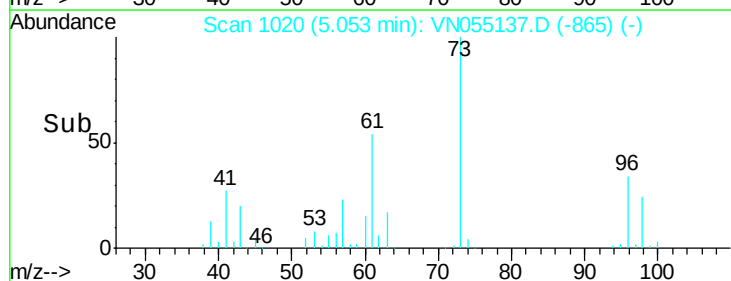
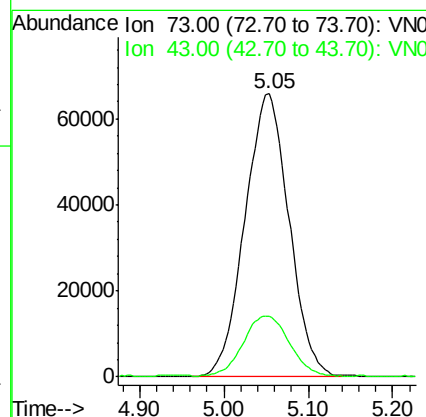
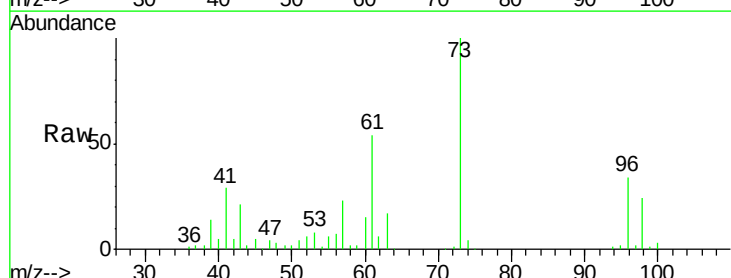
MMDadoda
 4/22/2019 10:06:32 AM

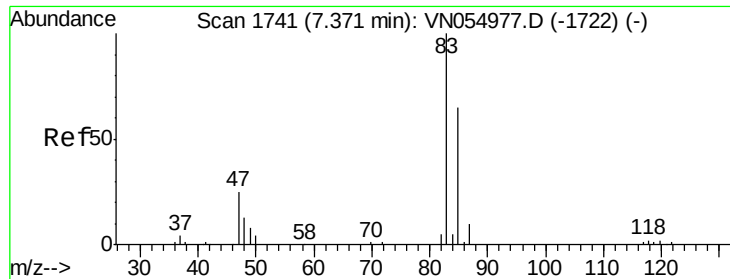


#24

Methyl tert-Butyl Ether
 Concen: 22.930 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	73	43	Ratio	100	22.0	Resp	239119	Lower	Upper
Ion	73	43	Ratio	100	22.0	Resp	239119	Lower	Upper





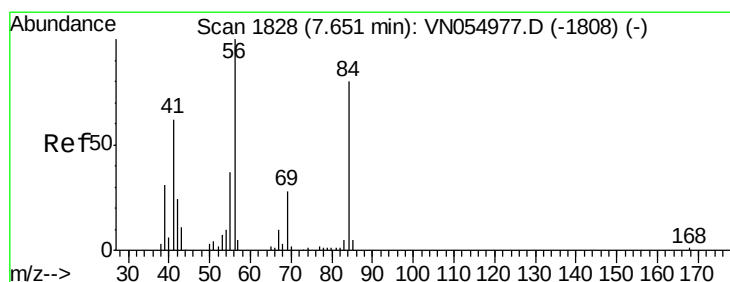
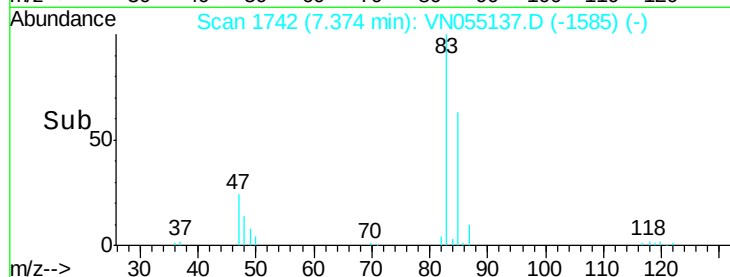
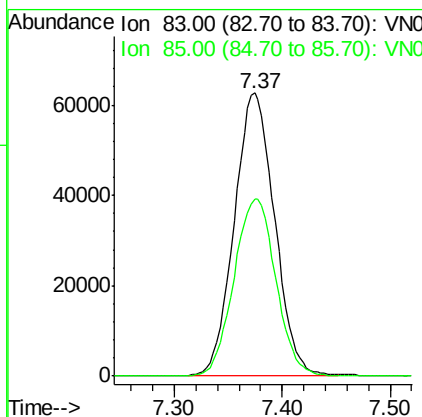
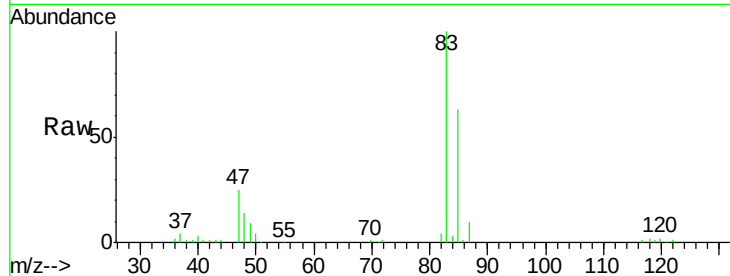
#25
Chloroform
Concen: 20.589 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	83	Resp	163202
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.8

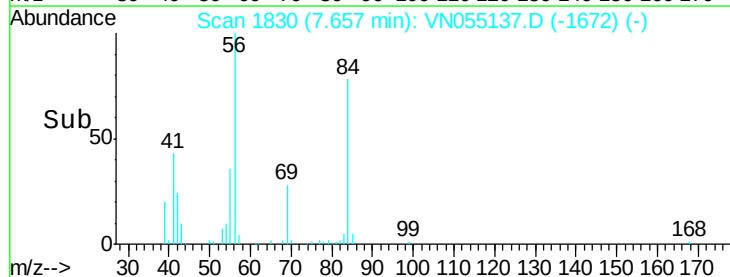
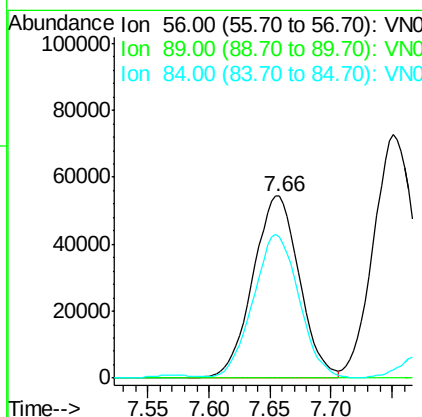
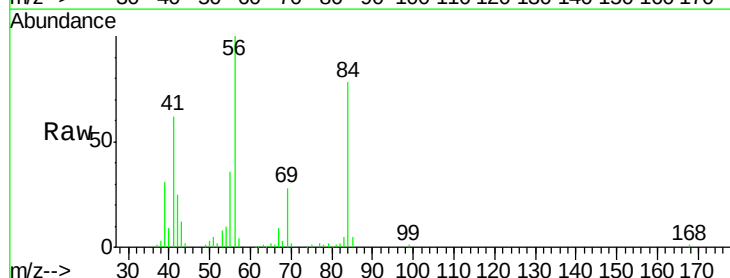
Manual Integrations
APPROVED

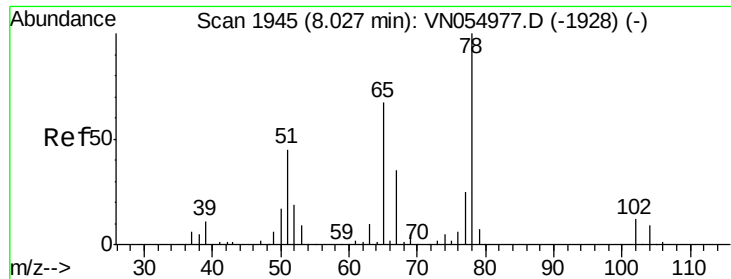
MMDadoda
4/22/2019 10:06:32 AM



#26
Cyclohexane
Concen: 18.736 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	56	Resp	143863
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.1	63.5	95.3





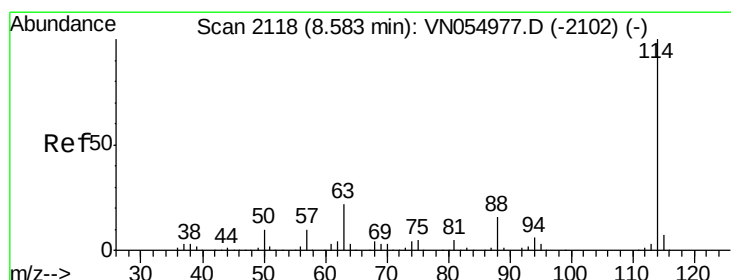
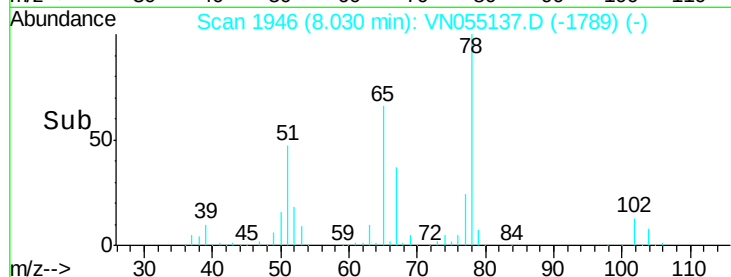
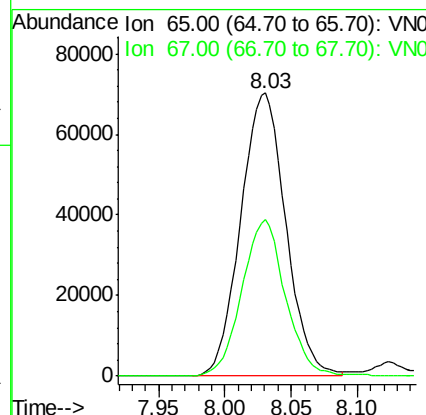
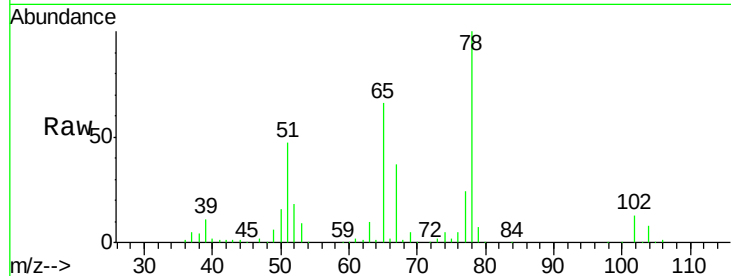
#27
 1,2-Dichloroethane-d4
 Concen: 18.736 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion: 65 Resp: 165705
 Ion Ratio Lower Upper
 65 100
 67 53.1 41.8 62.8

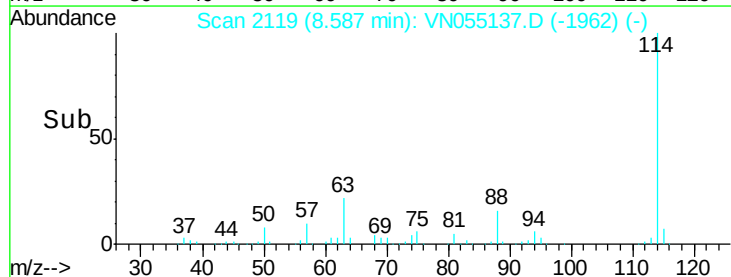
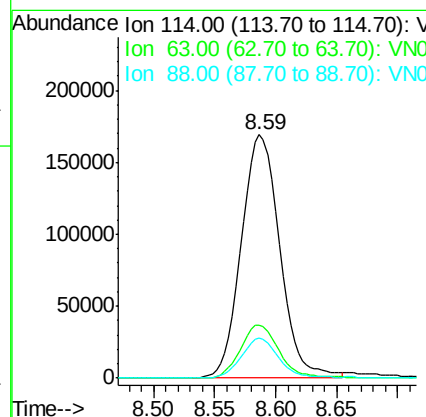
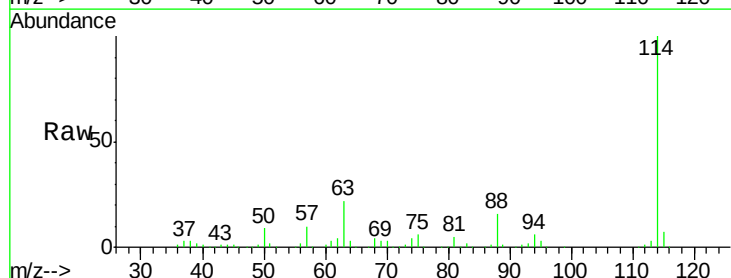
Manual Integrations
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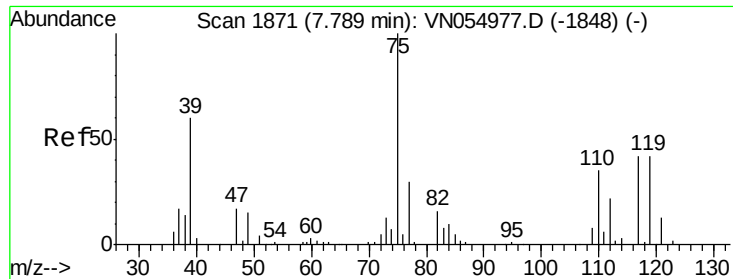
MMDadoda
 4/22/2019 10:06:32 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 114 Resp: 369959
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.0 25.4
 88 15.8 12.3 18.5





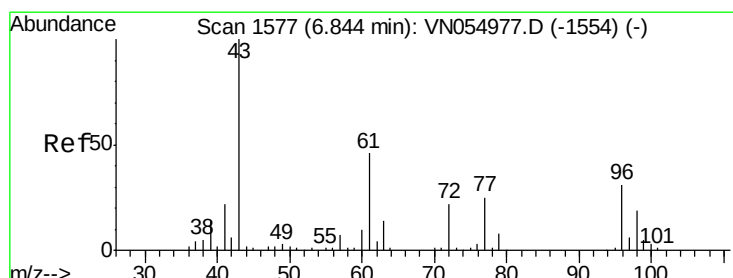
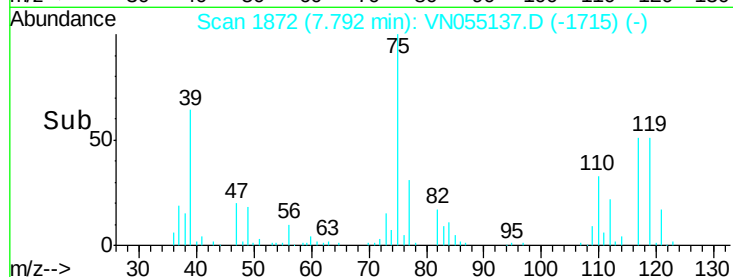
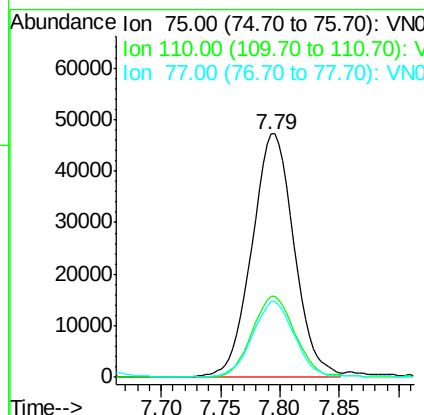
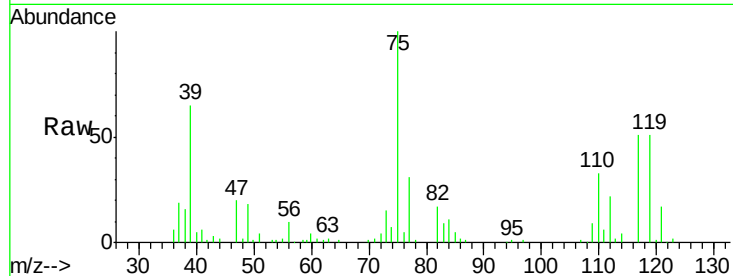
#29
 1,1-Dichloropropene
 Concen: 20.247 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.4	0.0	68.4
77	31.0	0.0	58.6

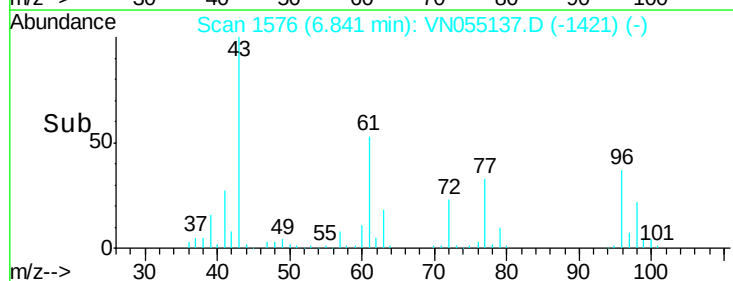
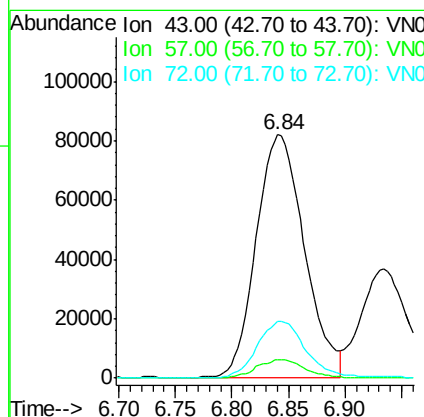
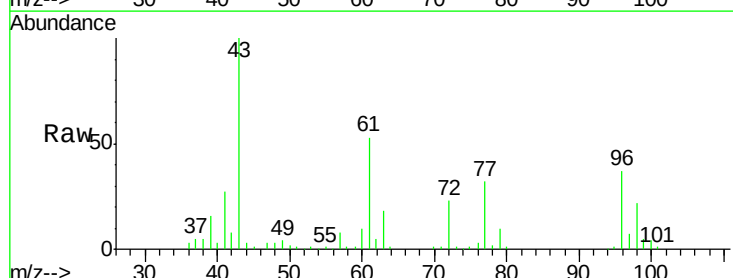
Manual Integrations
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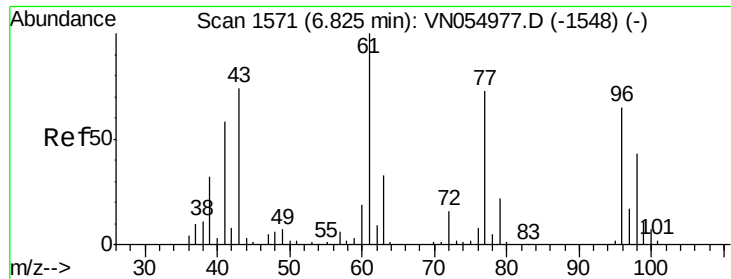
MMDadoda
 4/22/2019 10:06:32 AM



#30
 2-Butanone
 Concen: 127.329 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	23.4	18.6	27.8





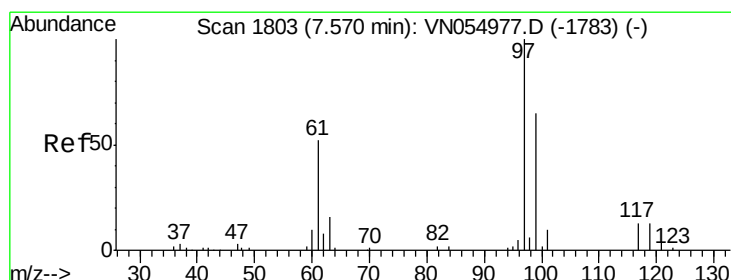
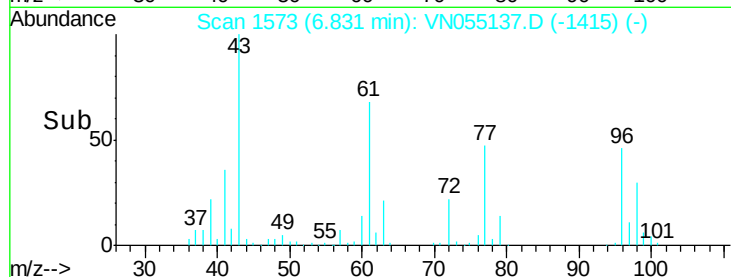
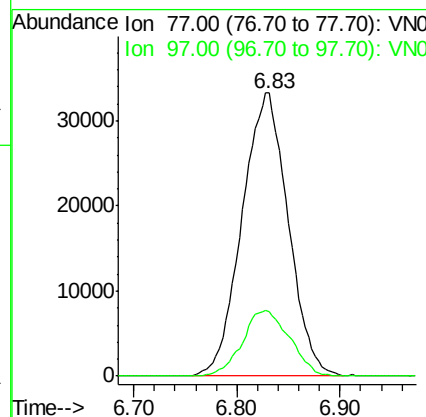
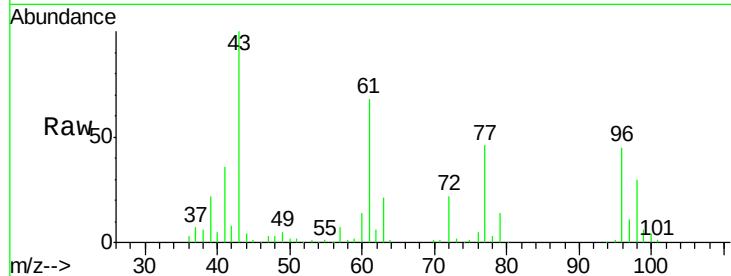
#31
 2,2-Dichloropropane
 Concen: 19.497 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion: 77 Resp: 103390
 Ion Ratio Lower Upper
 77 100
 97 23.6 0.0 0.0#

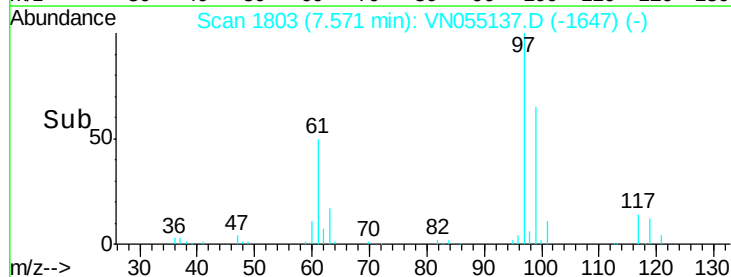
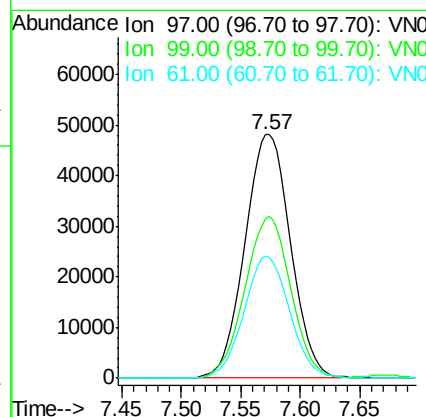
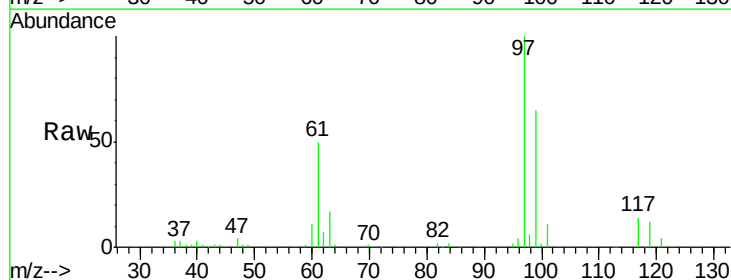
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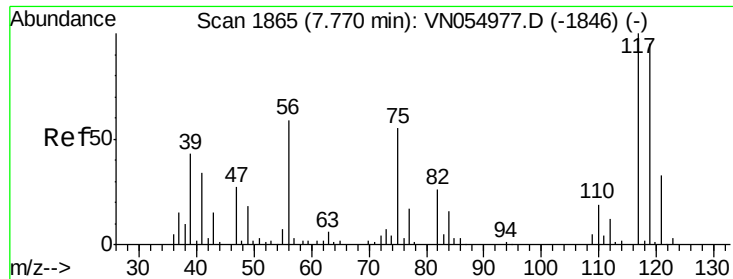
MMDadoda
 4/22/2019 10:06:32 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.018 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 97 Resp: 127998
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.2 76.8
 61 49.9 40.6 60.8





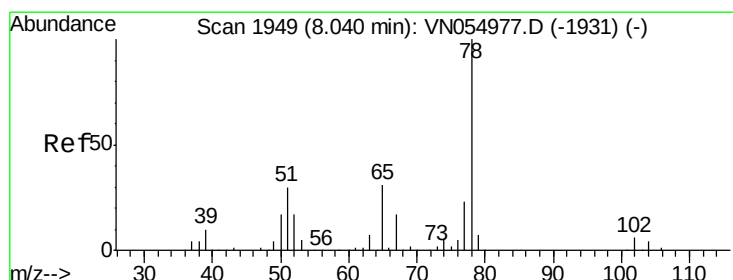
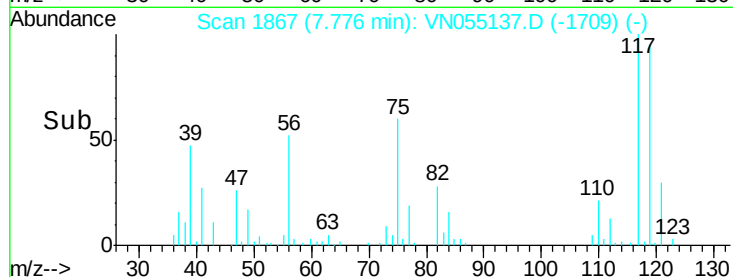
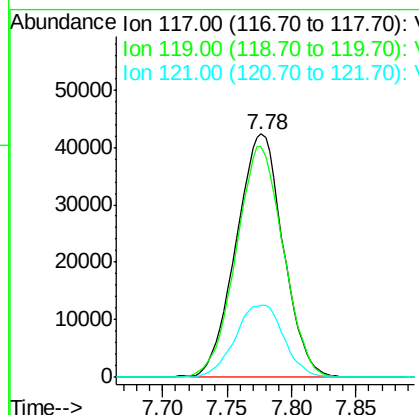
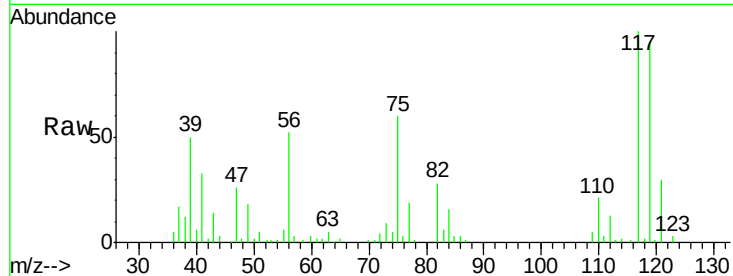
#33
Carbon Tetrachloride
Concen: 20.383 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.1	114.1
121	29.6	26.2	39.4

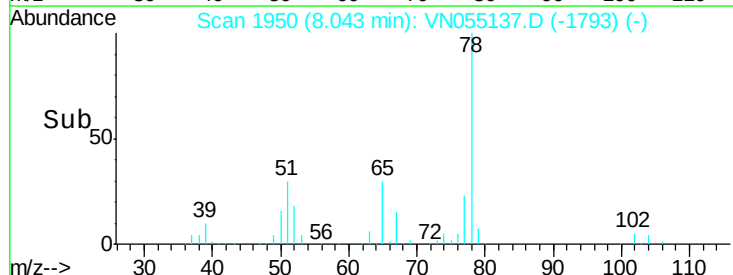
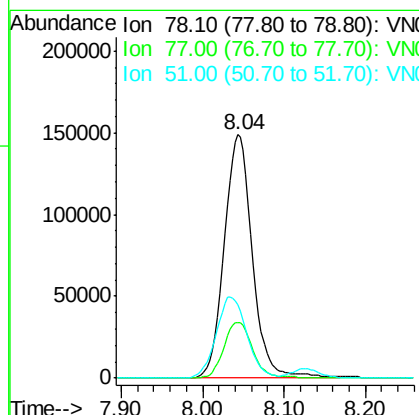
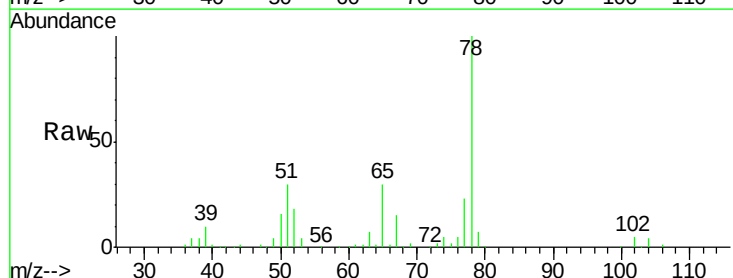
Manual Integrations
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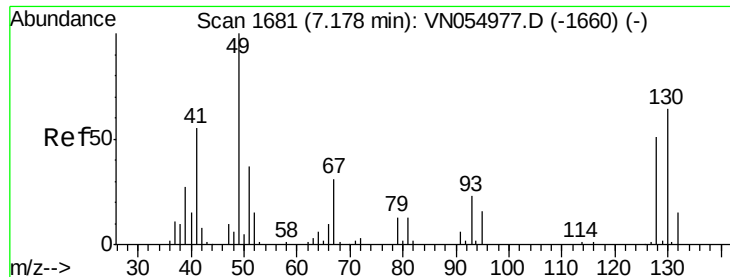
MMDadoda
4/22/2019 10:06:32 AM



#34
Benzene
Concen: 21.252 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4
51	30.0	23.7	35.5





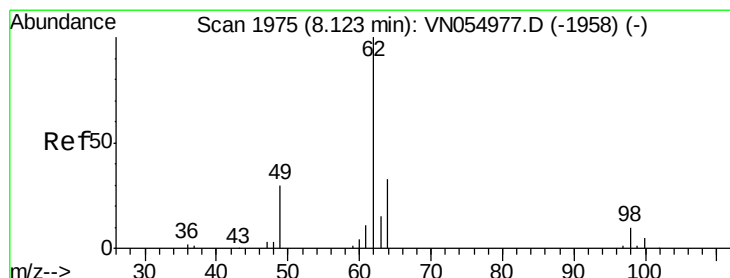
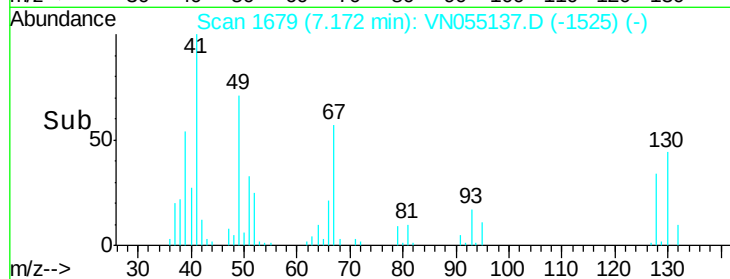
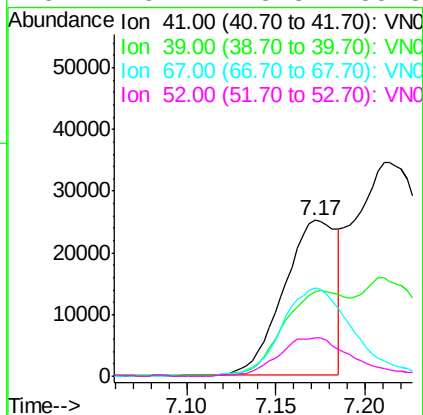
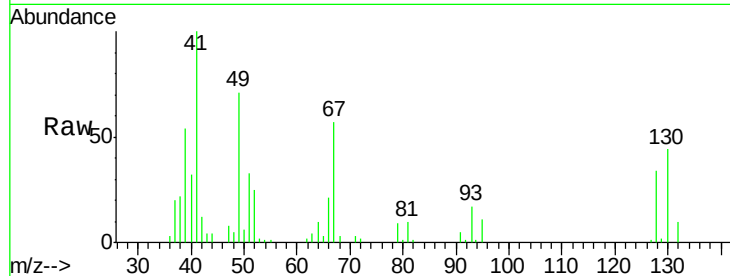
#35
Methacrylonitrile
Concen: 22.941 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	41	Resp	51713
Ion Ratio	Lower	Upper	
41	100		
39	53.8	24.2	72.6
67	57.2	28.1	84.2
52	25.1	13.3	39.8

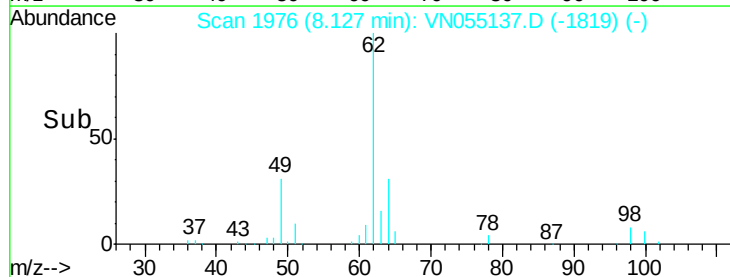
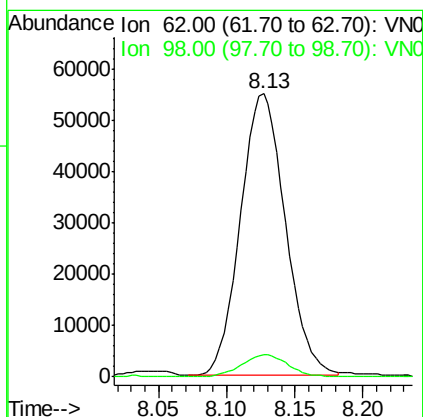
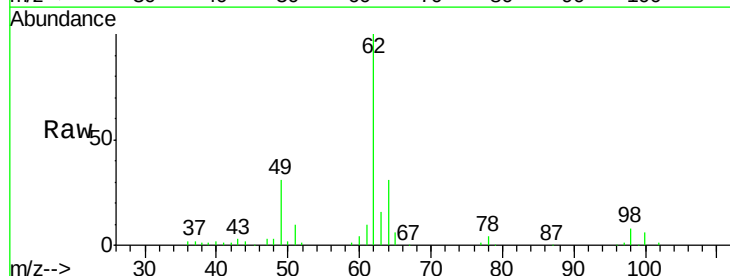
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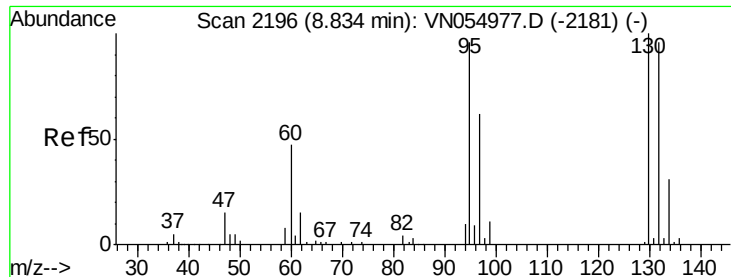
MMDadoda
4/22/2019 10:06:32 AM



#36
1,2-Dichloroethane
Concen: 21.480 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	62	Resp	125349
Ion Ratio	Lower	Upper	
62	100		
98	8.1	6.9	10.3





#37

Trichloroethene

Concen: 20.102 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

Tot Ion:130 Resp: 87497

Ion Ratio Lower Upper

130 100

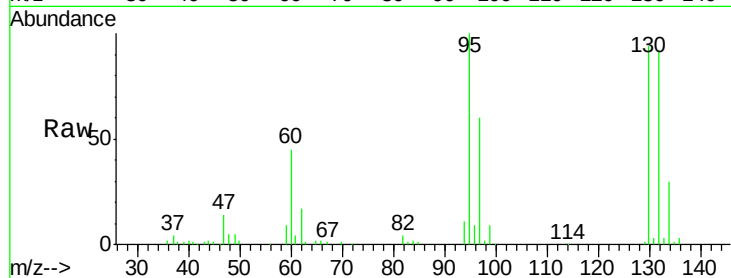
95 105.9 76.6 115.0

Manual Integrations

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4/22/2019 10:06:32 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

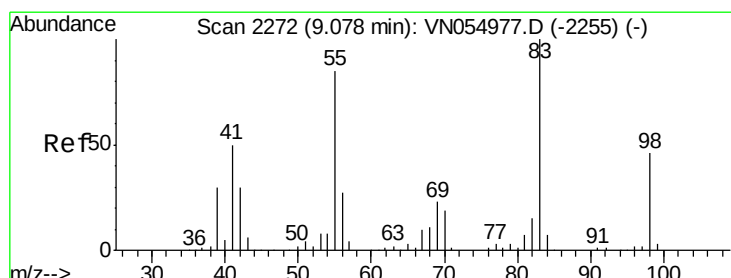
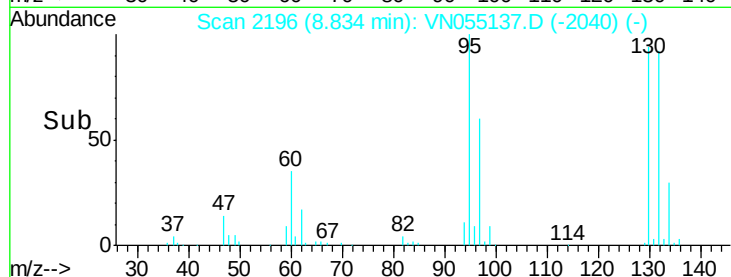
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 17.635 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

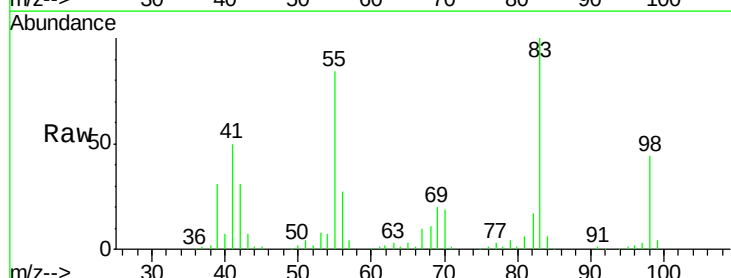
Tgt Ion: 83 Resp: 117830

Ion Ratio Lower Upper

83 100

55 83.5 41.9 125.6

98 44.3 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

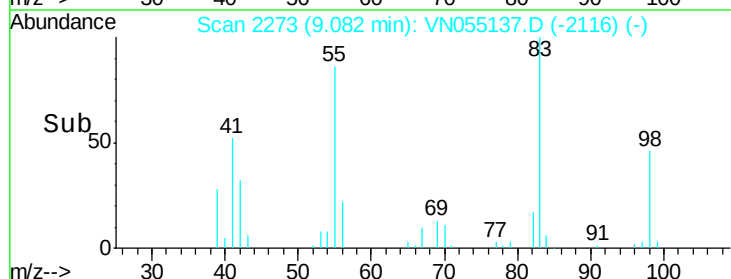
60000

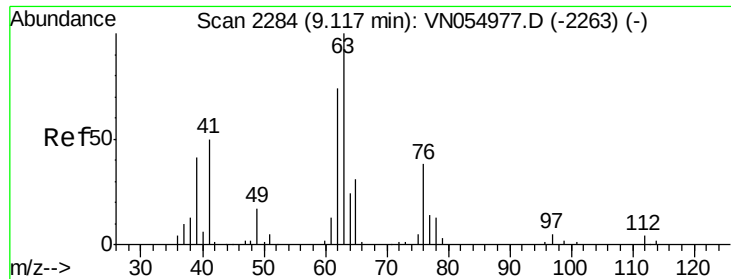
40000

20000

0

Time-->





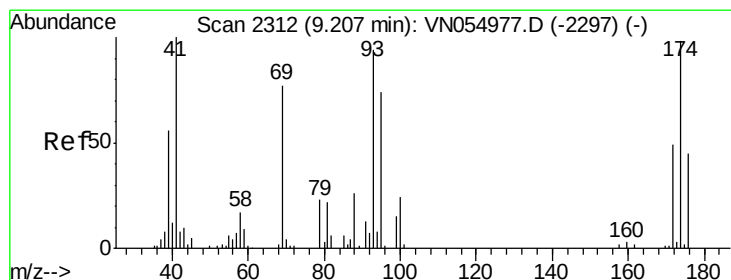
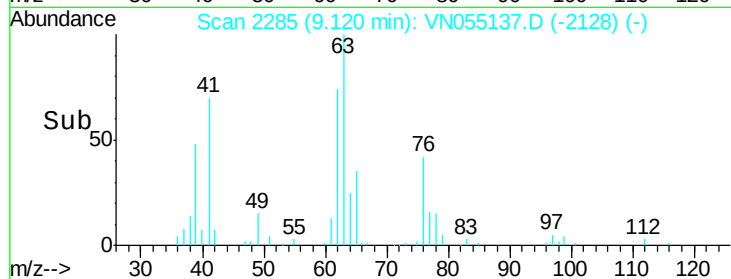
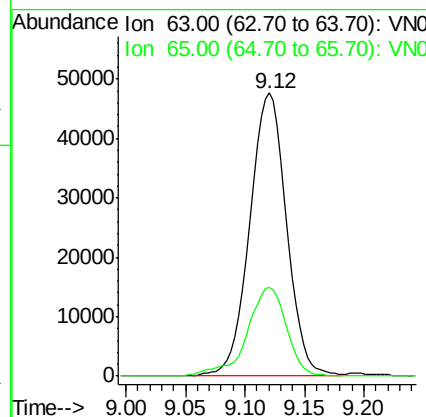
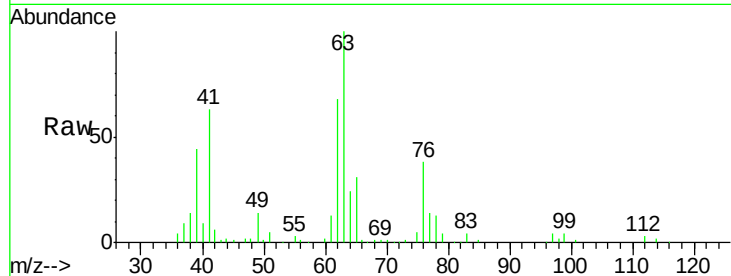
#39
 1,2-Dichloropropane
 Concen: 21.688 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.8	37.2

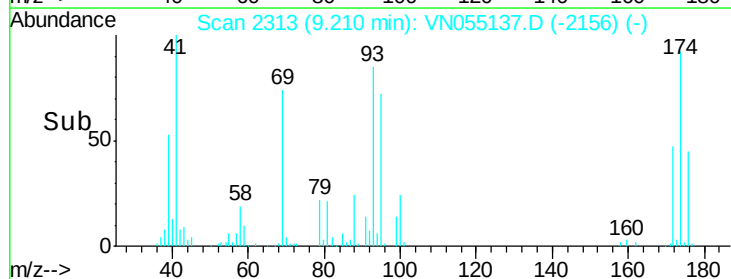
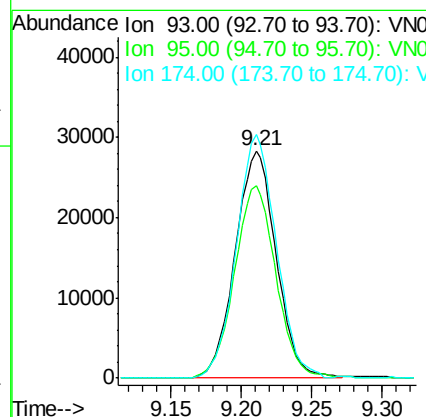
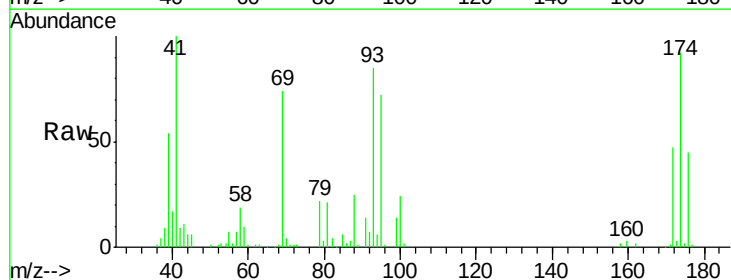
Manual Integrations
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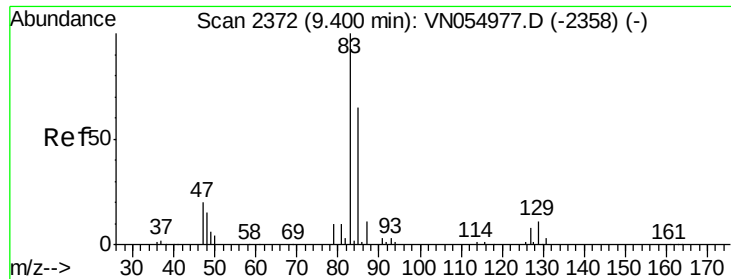
MMDadoda
 4/22/2019 10:06:32 AM



#40
 Dibromomethane
 Concen: 21.578 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.7	0.0	160.8
174	104.6	0.0	206.4





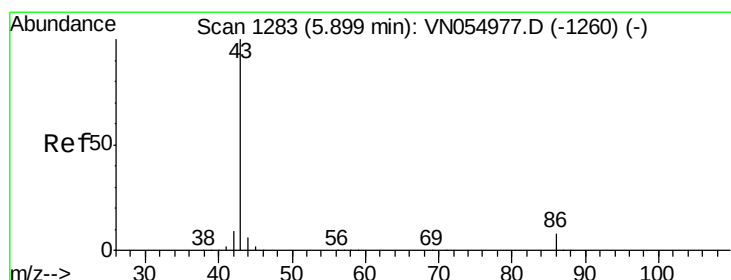
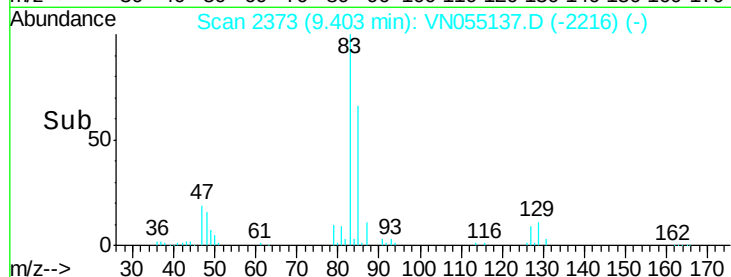
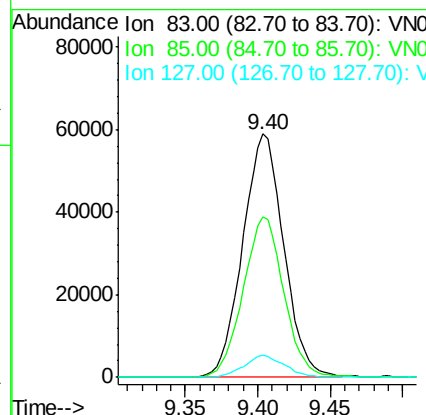
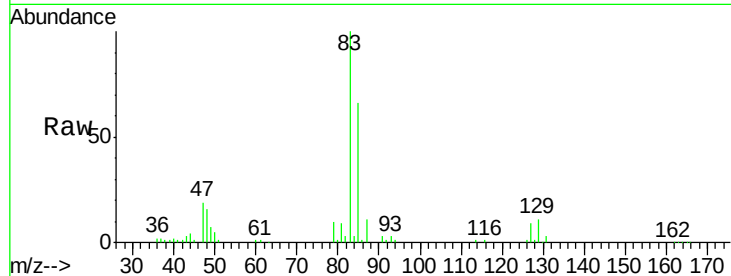
#41
 Bromodichloromethane
 Concen: 21.142 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	83	Resp	116276
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	52.0	78.0
127	8.9	7.2	10.8

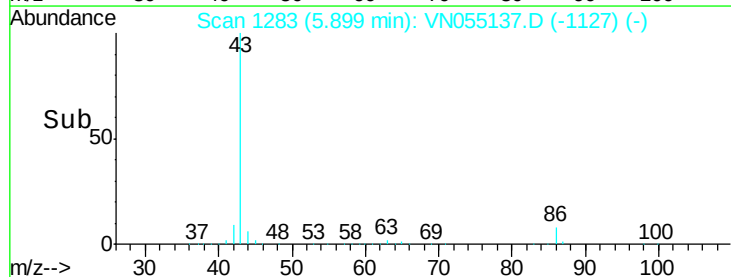
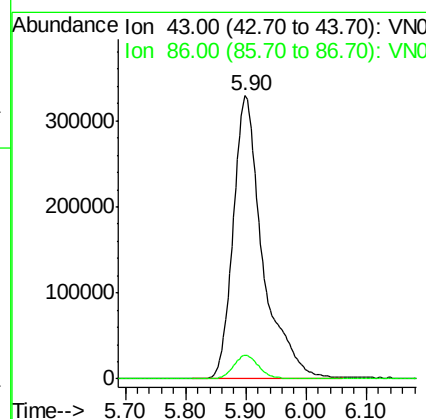
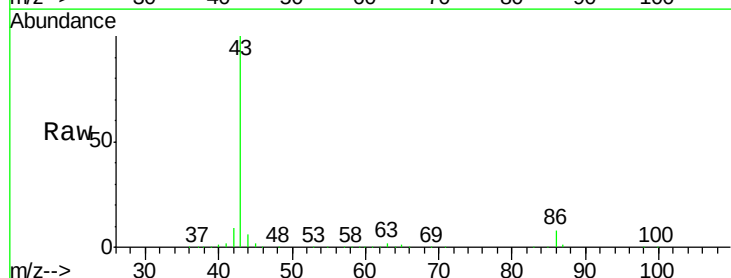
Manual Integrations
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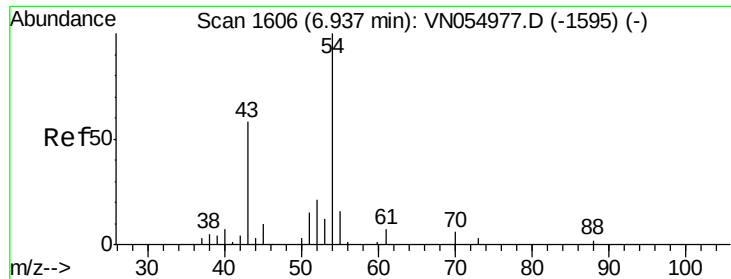
MMDadoda
 4/22/2019 10:06:32 AM



#42
 Vinyl Acetate
 Concen: 116.140 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	43	Resp	1122950
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	5.7	8.5





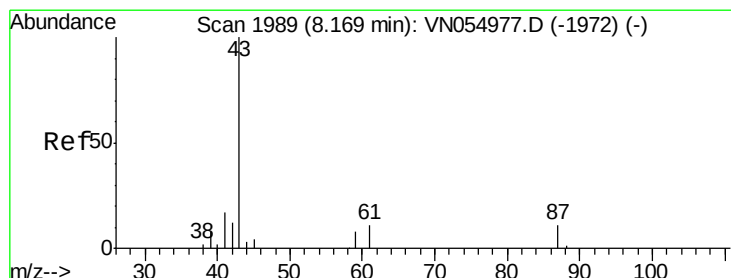
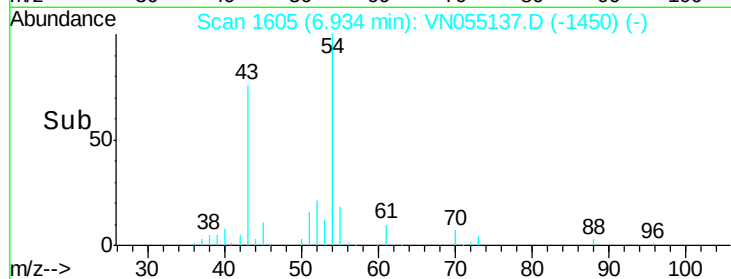
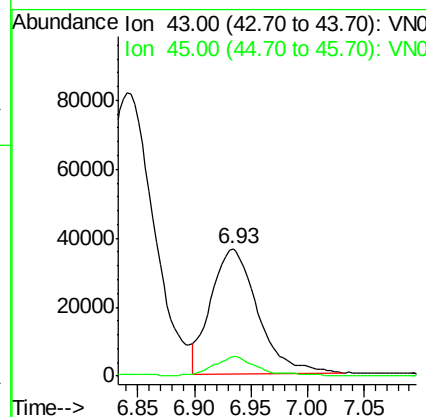
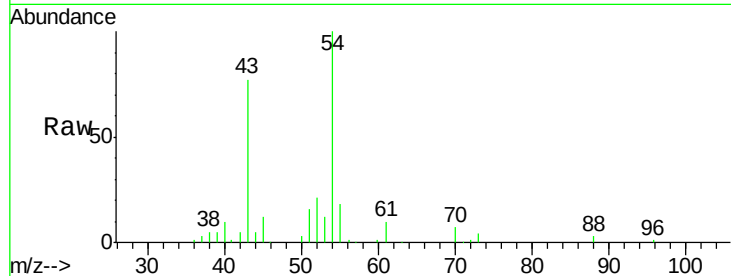
#43
Ethyl Acetate
Concen: 26.626 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion: 43 Resp: 103744
Ion Ratio Lower Upper
43 100
45 14.8 10.6 15.8

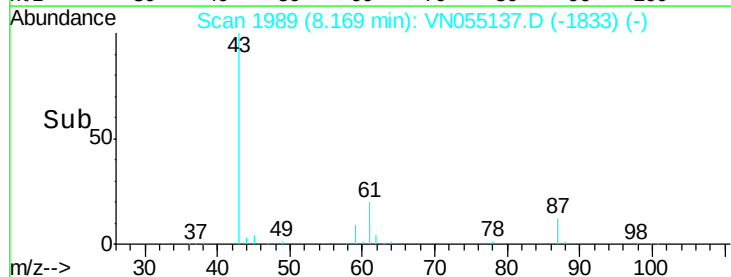
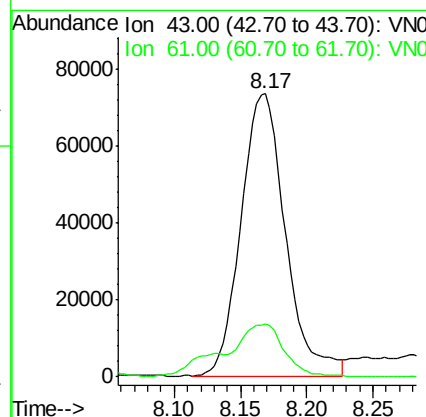
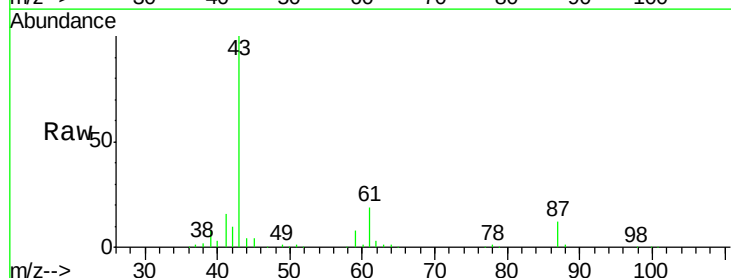
Manual Integrations
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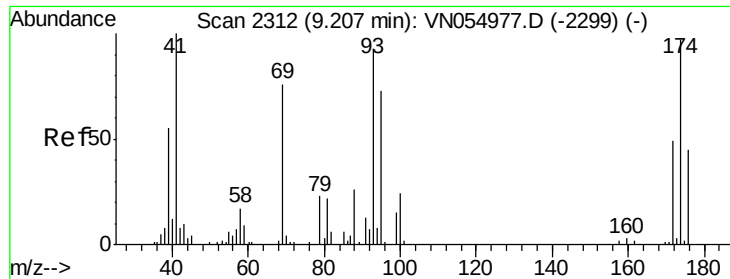
MMDadoda
4/22/2019 10:06:32 AM



#44
Isopropyl Acetate
Concen: 25.936 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 43 Resp: 171257
Ion Ratio Lower Upper
43 100
61 18.3 14.8 22.2





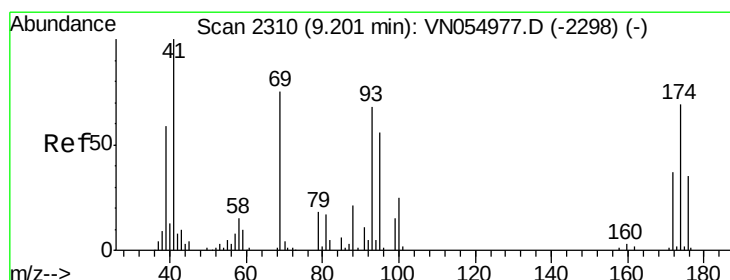
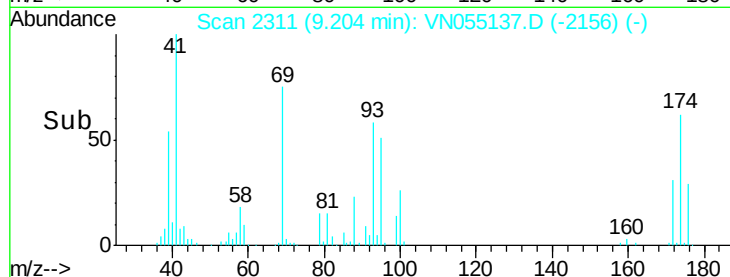
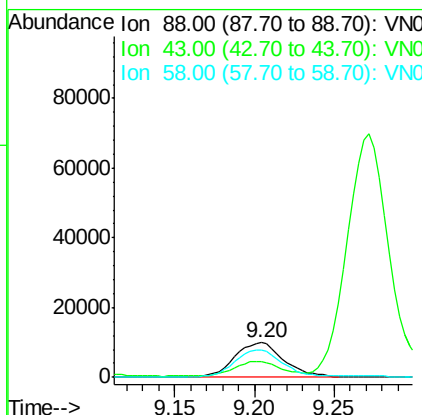
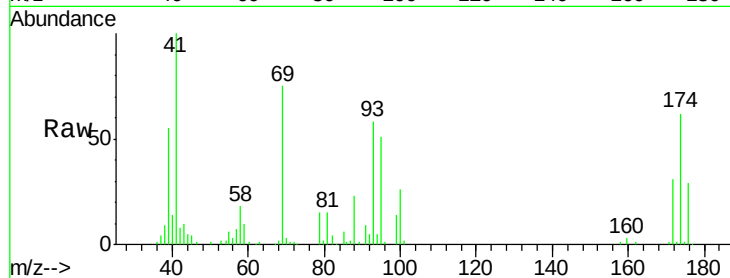
#45
 1,4-Dioxane
 Concen: 572.235 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion: 88 Resp: 20933
 Ion Ratio Lower Upper
 88 100
 43 40.1 34.5 51.7
 58 77.1 60.3 90.5

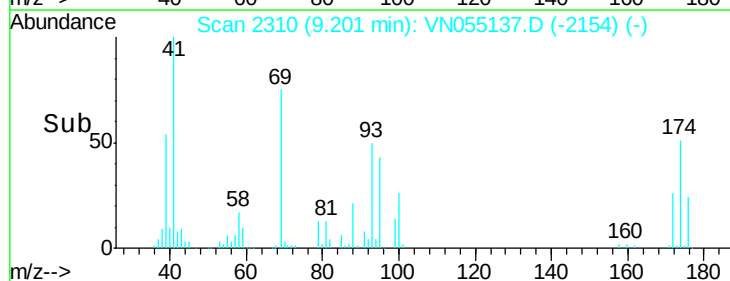
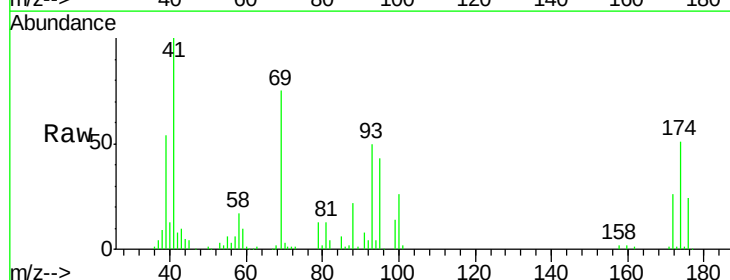
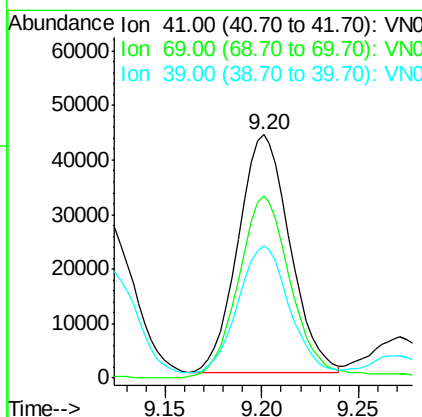
Manual Integrations
 APPROVED

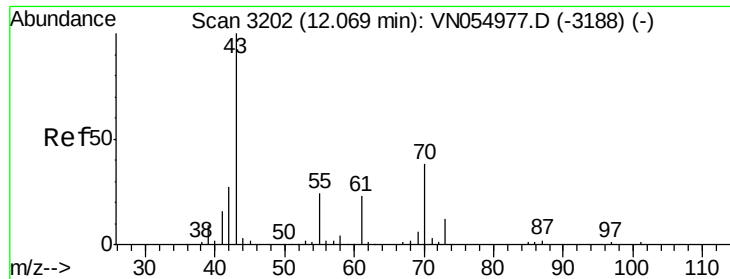
MMDadoda
 4/22/2019 10:06:32 AM



#46
 Methyl methacrylate
 Concen: 23.831 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 41 Resp: 81400
 Ion Ratio Lower Upper
 41 100
 69 76.1 37.3 111.9
 39 53.1 29.4 88.2





#47

n-amyl Acetate

Concen: 24.528 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

Tot Ion: 43 Resp: 119289

Ion Ratio Lower Upper

43 100

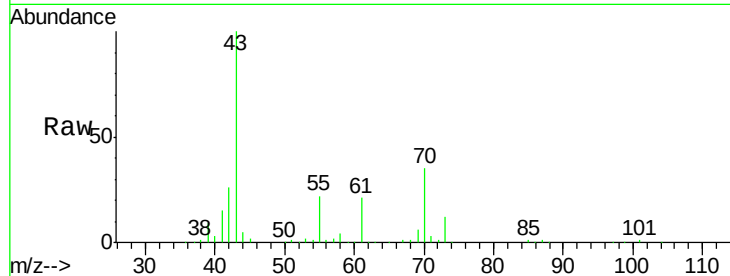
55 23.7 19.8 29.6

Manual Integrations

APPROVED

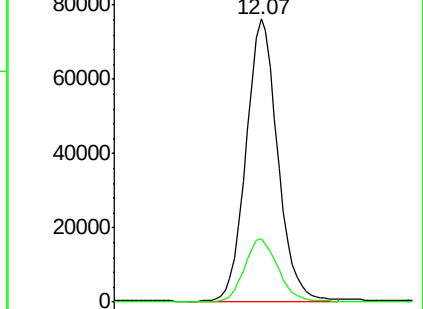
MMDadoda

4/22/2019 10:06:32 AM

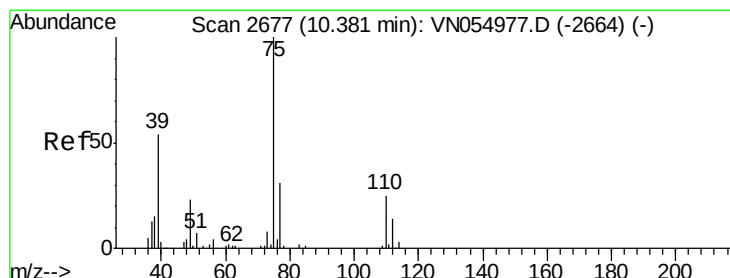
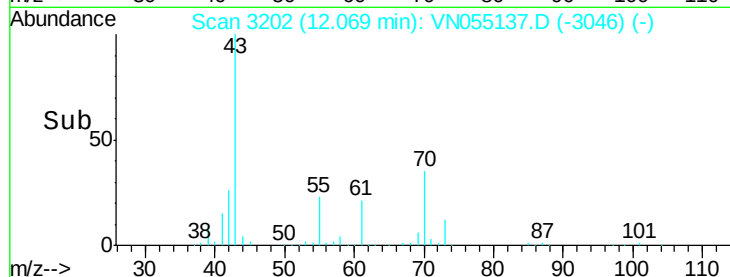


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#48

t-1,3-Dichloropropene

Concen: 20.946 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055137.D

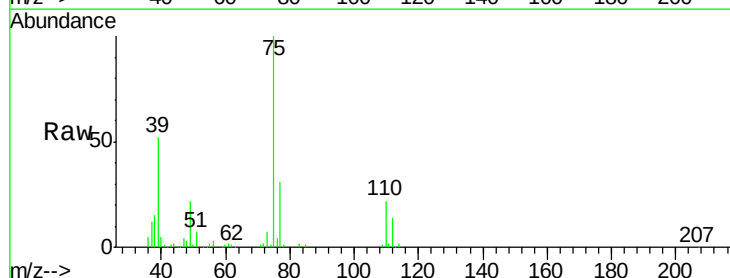
Acq: 19 Apr 2019 13:06

Tgt Ion: 75 Resp: 105785

Ion Ratio Lower Upper

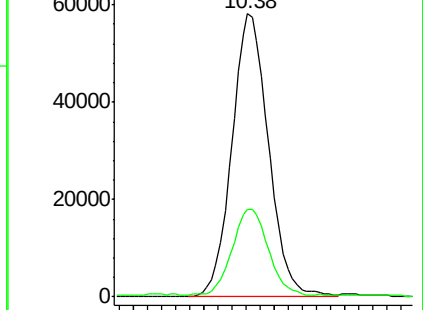
75 100

77 30.6 24.6 37.0

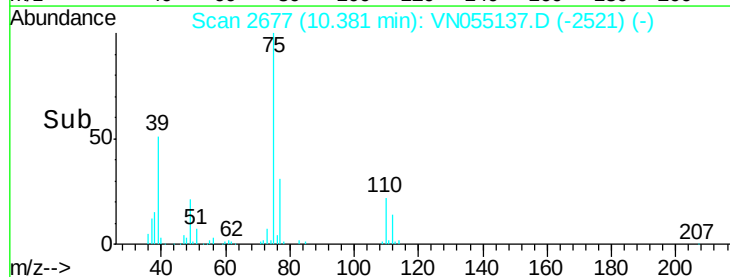


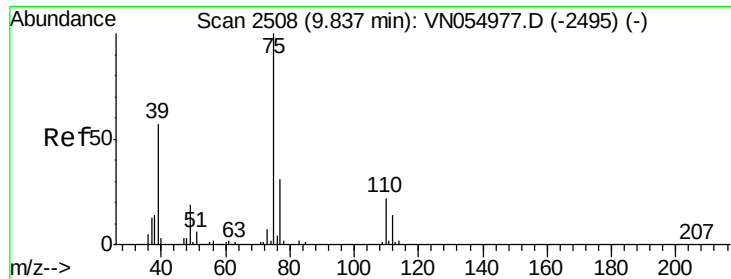
Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





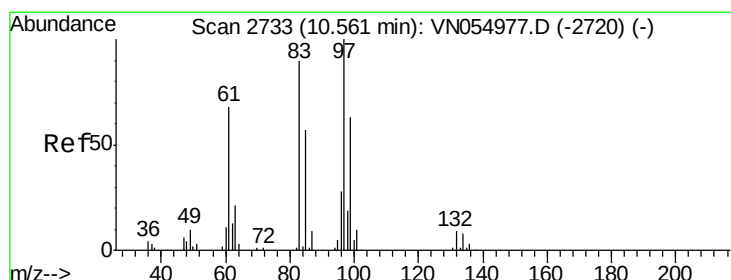
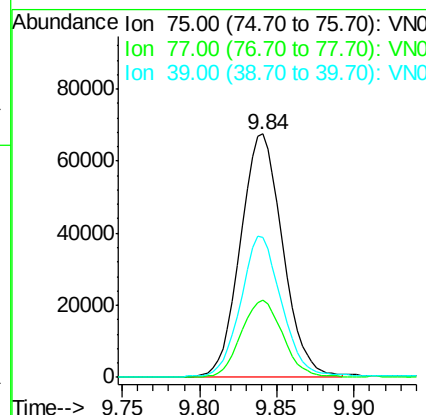
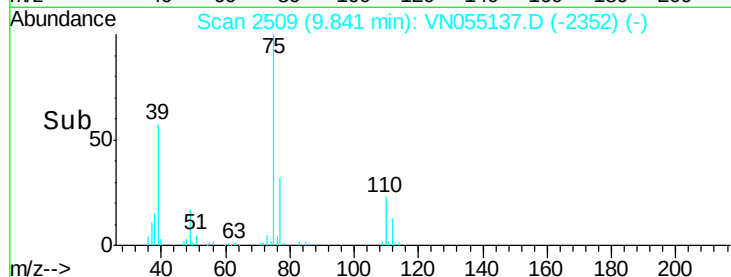
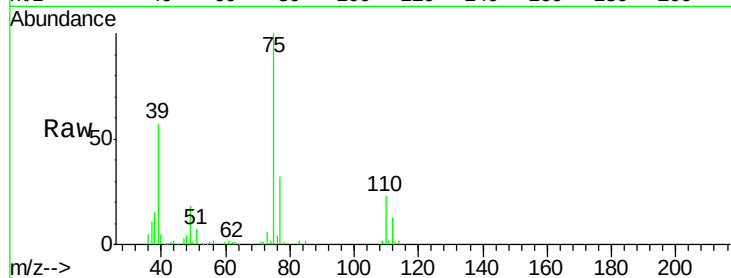
#49
 cis-1,3-Dichloropropene
 Concen: 20.644 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	56.7	45.3	67.9

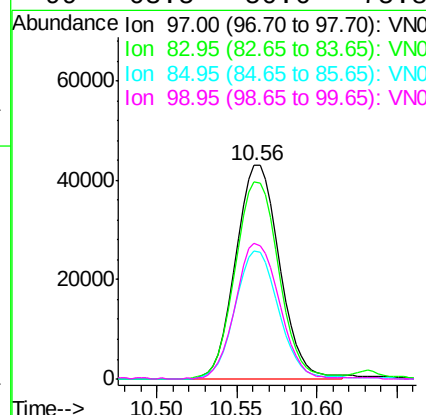
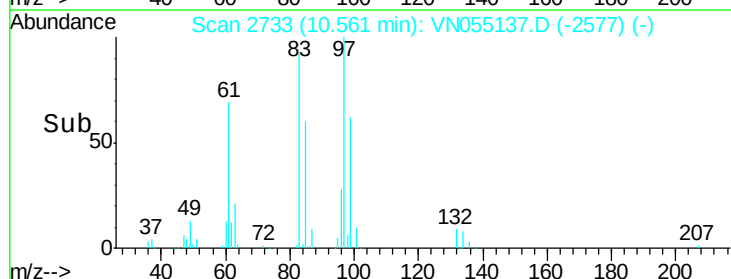
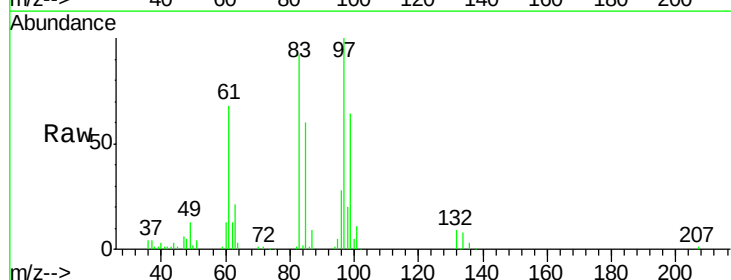
Manual Integrations
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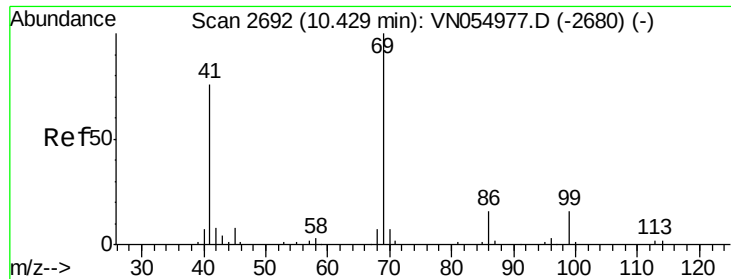
MMDadoda
 4/22/2019 10:06:32 AM



#50
 1,1,2-Trichloroethane
 Concen: 22.283 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.1	108.1
85	60.2	45.4	68.0
99	63.5	50.6	75.8





#51

Ethyl methacrylate

Concen: 22.887 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

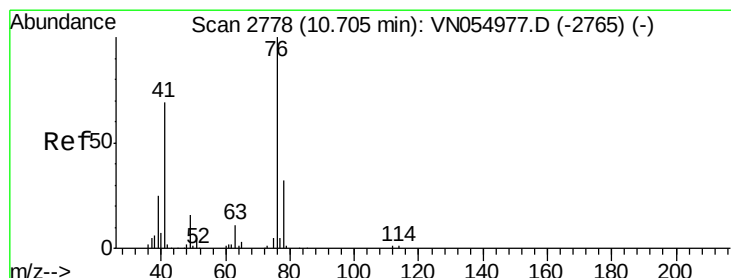
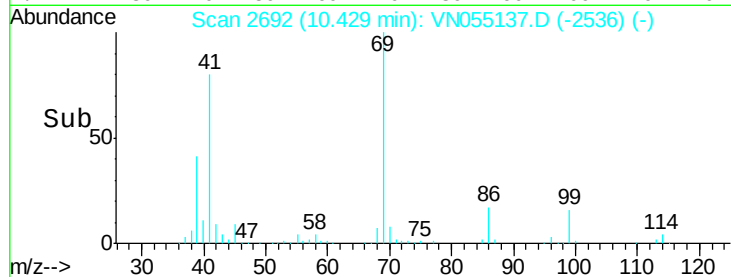
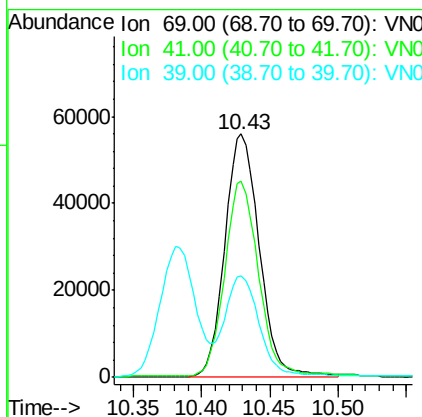
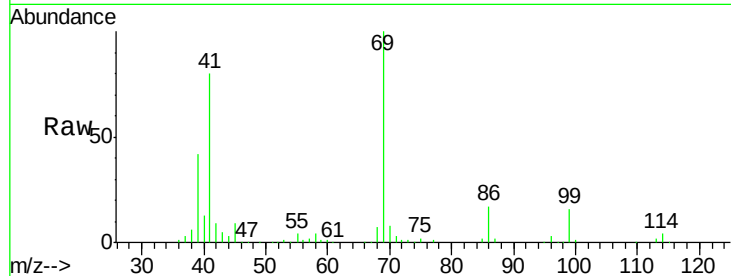
ClientSampleId :

VN0419WBS01

Tot Ion:	69	Resp:	98747
Ion Ratio	Lower	Upper	
69	100		
41	79.8	37.9	113.7
39	41.2	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 22.679 ug/l

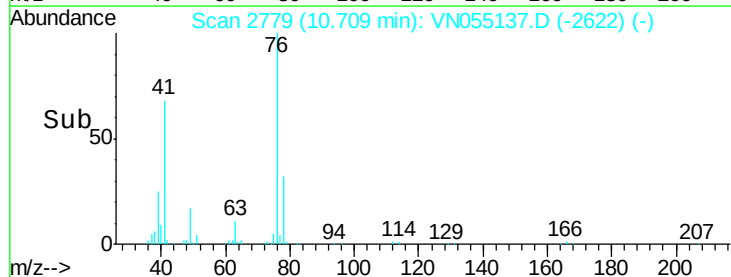
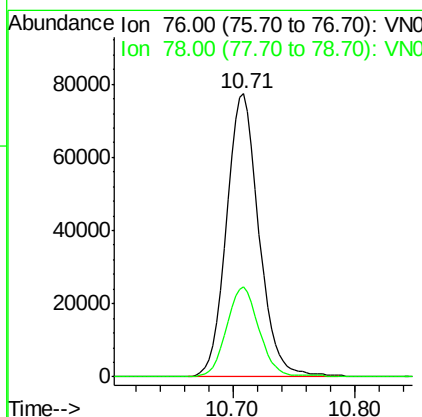
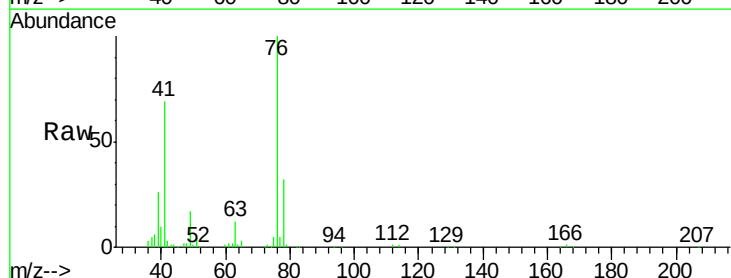
RT: 10.71 min Scan# 2779

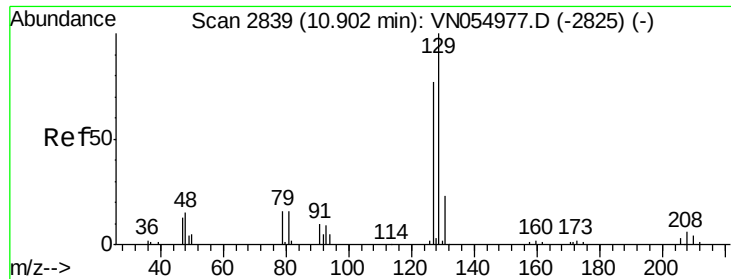
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	76	Resp:	143839
Ion Ratio	Lower	Upper	
76	100		
78	31.4	0.0	64.4





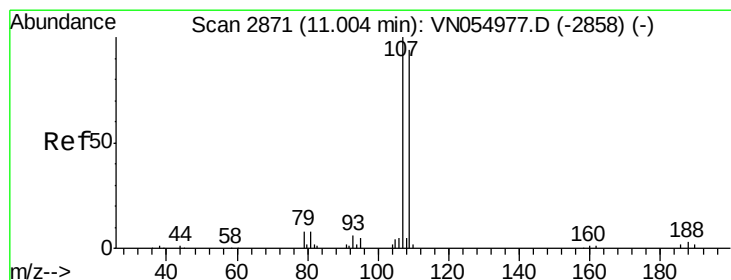
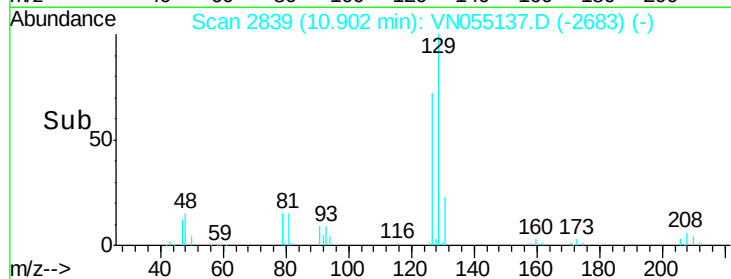
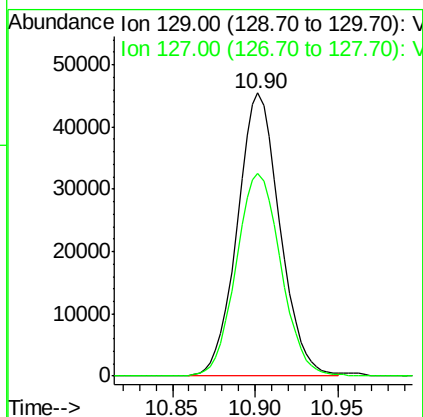
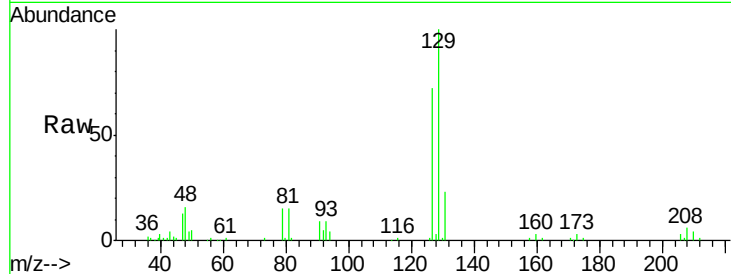
#53
Dibromochloromethane
Concen: 21.770 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion:129 Resp: 81166
Ion Ratio Lower Upper
129 100
127 75.3 37.8 113.3

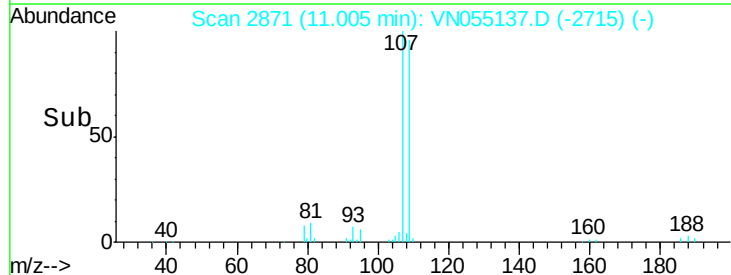
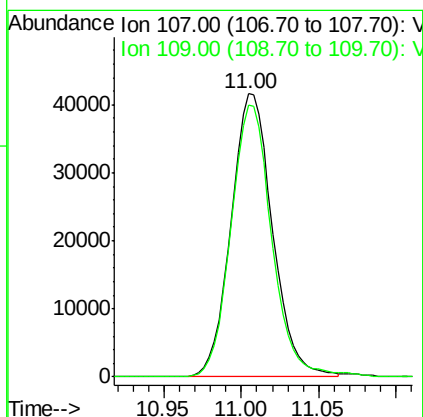
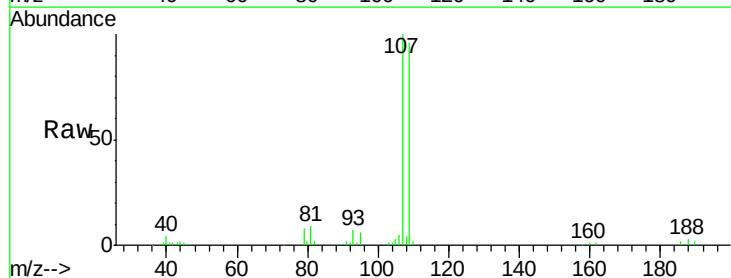
Manual Integrations
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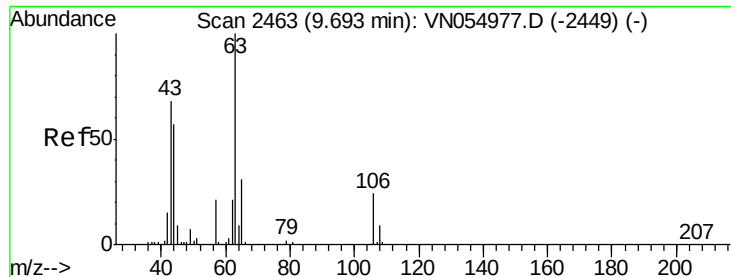
MMDadoda
4/22/2019 10:06:32 AM



#54
1,2-Dibromoethane
Concen: 22.763 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:107 Resp: 77348
Ion Ratio Lower Upper
107 100
109 94.9 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 102.352 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

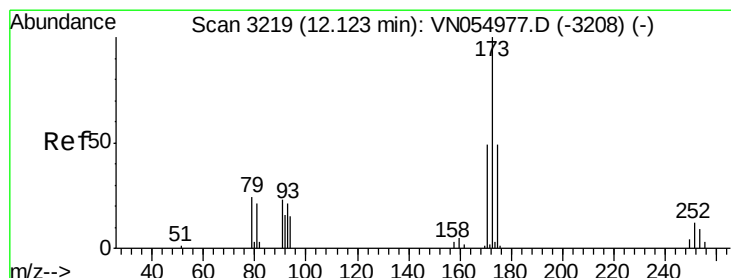
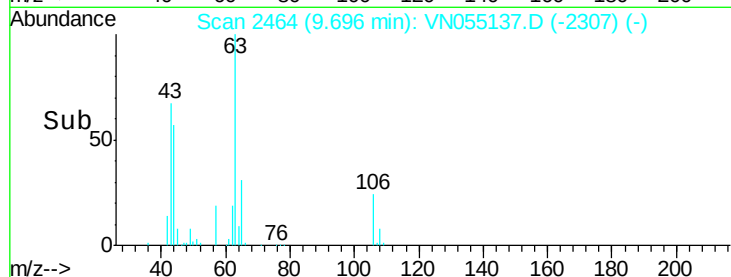
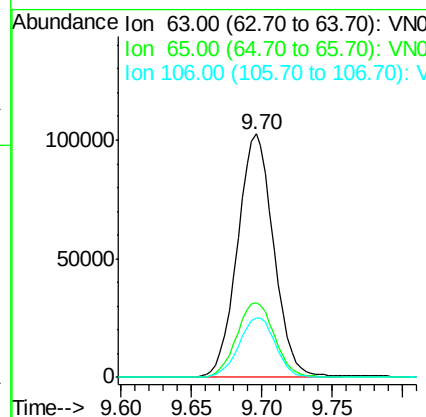
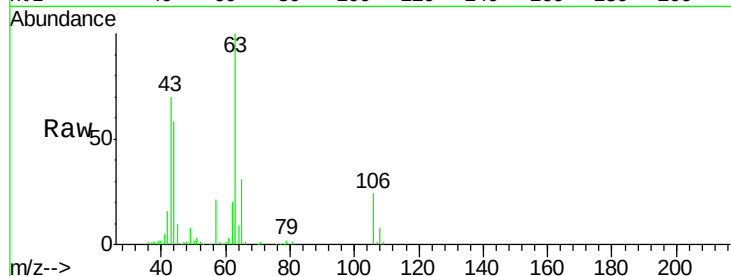
ClientSampleId :

VN0419WBS01

Tot Ion:	63	Resp:	184618
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0
106	24.6	19.8	29.6

Manual Integrations
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#56

Bromoform

Concen: 21.602 ug/l

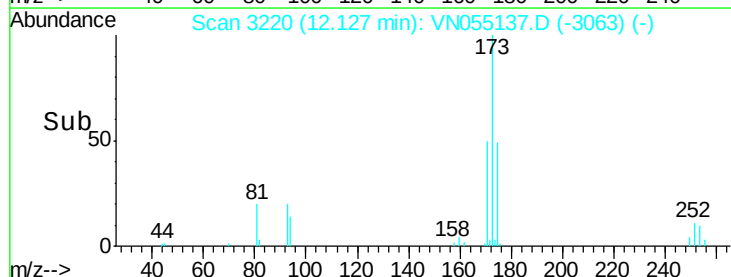
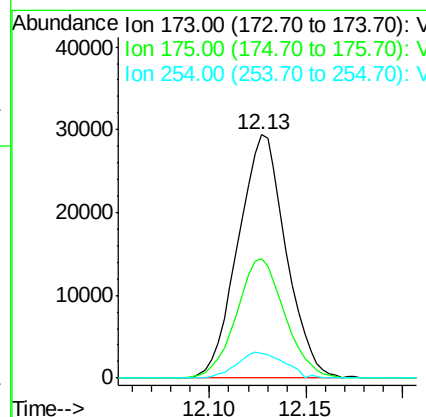
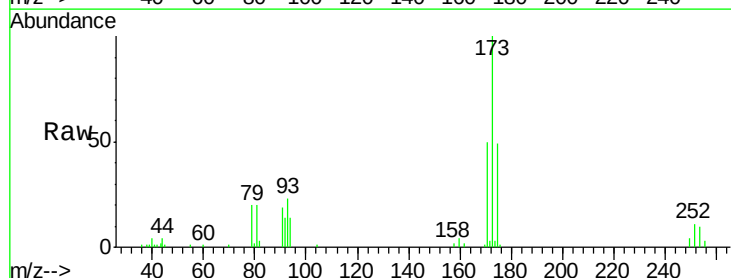
RT: 12.13 min Scan# 3220

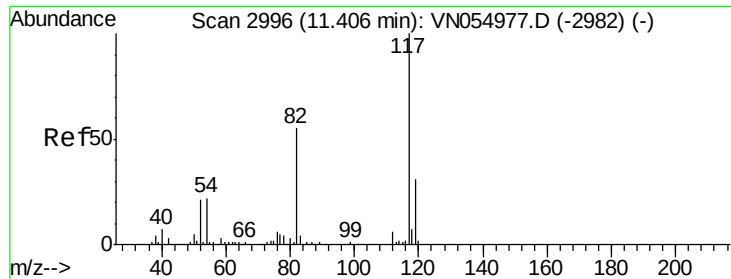
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	173	Resp:	50606
Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.6	57.8
254	10.4	6.8	10.2#





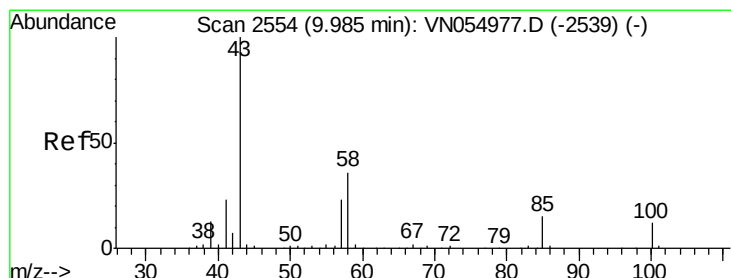
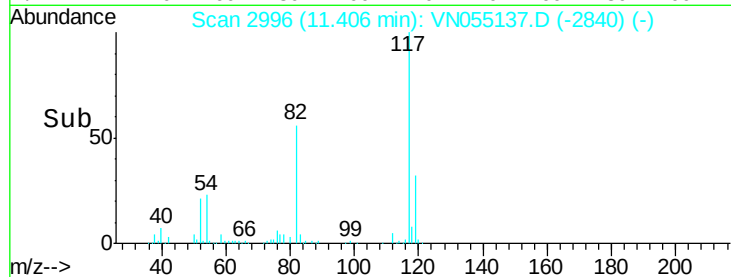
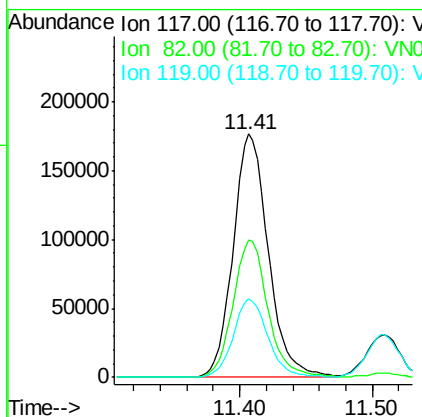
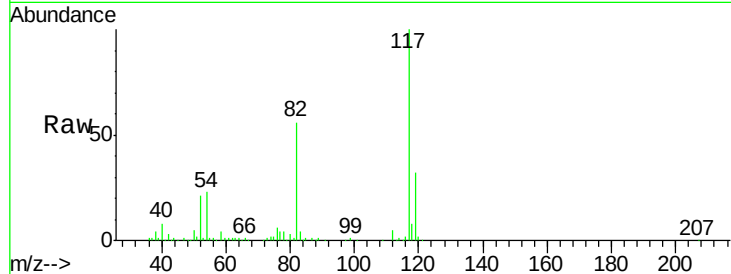
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.2	67.8
119	31.9	25.4	38.2

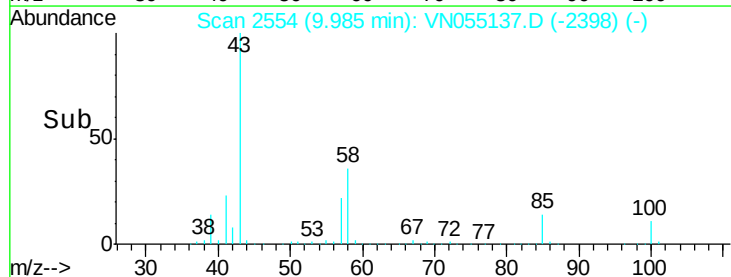
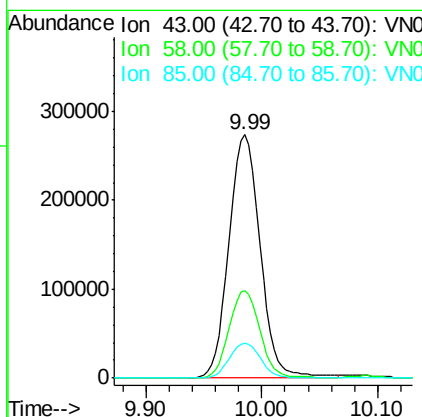
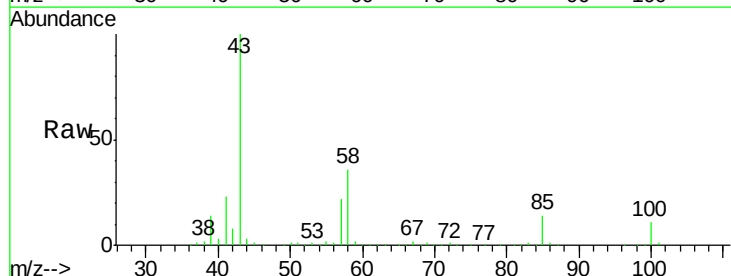
Manual Integrations
APPROVED

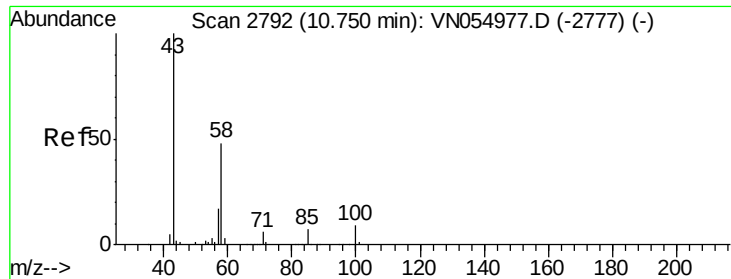
MMDadoda
4/22/2019 10:06:32 AM



#58
4-Methyl-2-Pentanone
Concen: 135.813 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.7	43.1
85	14.3	11.8	17.6





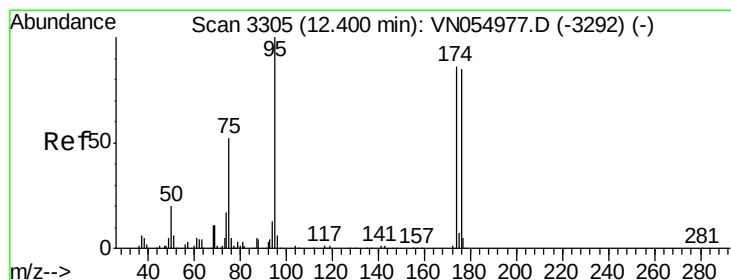
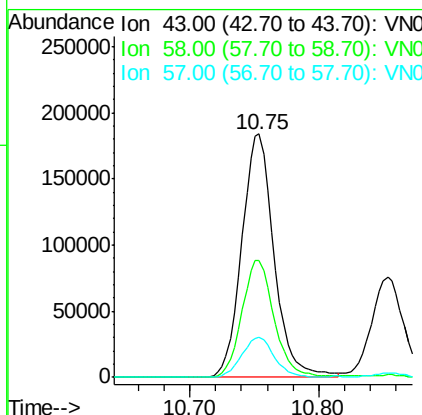
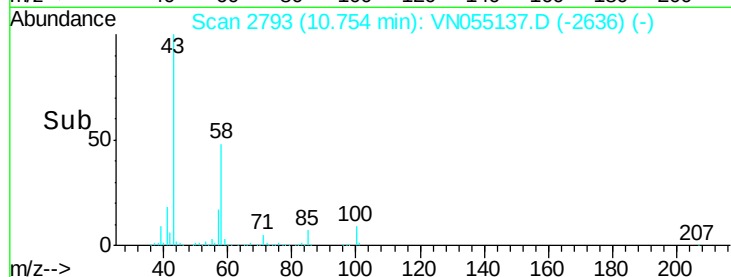
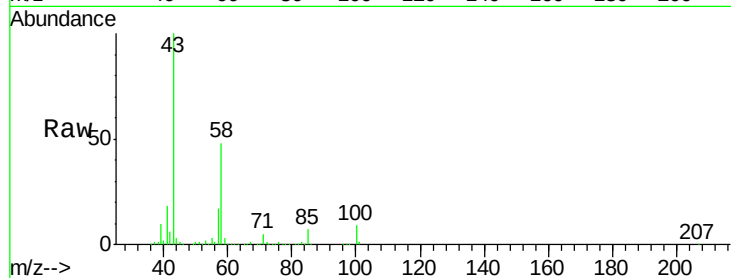
#59
2-Hexanone
Concen: 134.097 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.8	58.2
57	16.7	13.8	20.6

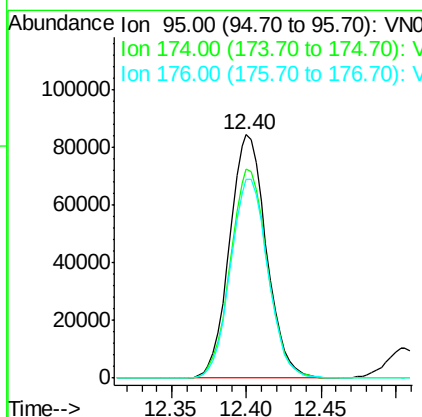
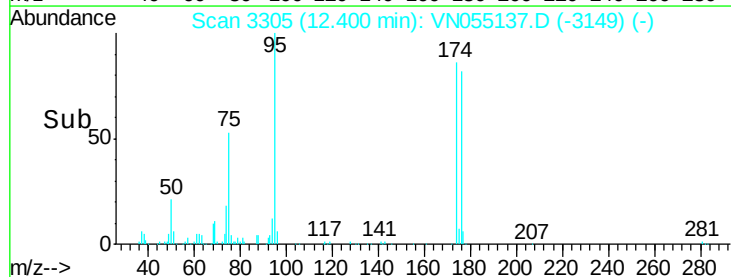
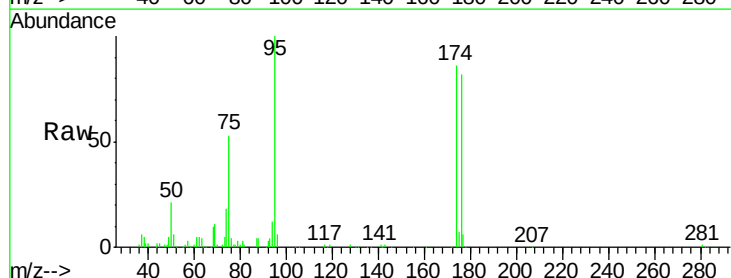
Manual Integrations
APPROVED

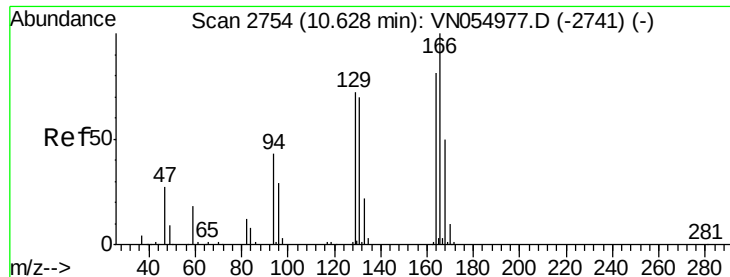
MMDadoda
4/22/2019 10:06:32 AM



#60
4-Bromofluorobenzene
Concen: 134.097 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	69.4	104.2
176	82.9	67.4	101.2





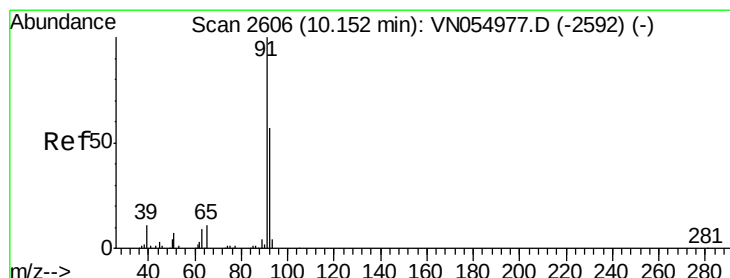
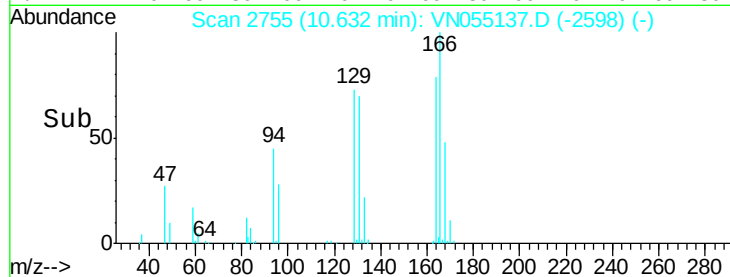
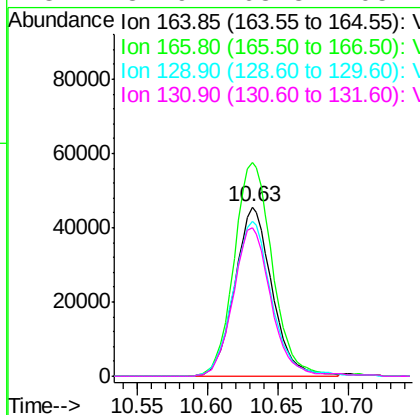
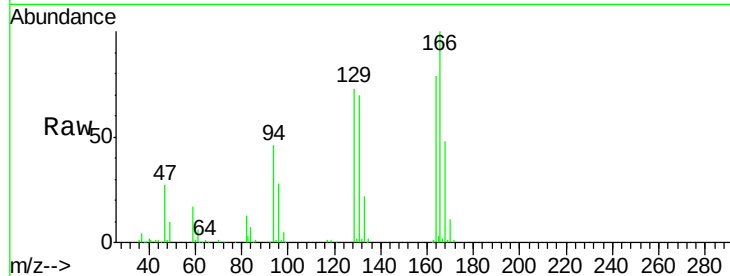
#61
Tetrachloroethene
Concen: 19.950 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.0	148.4
129	91.9	71.4	107.0
131	87.9	68.8	103.2

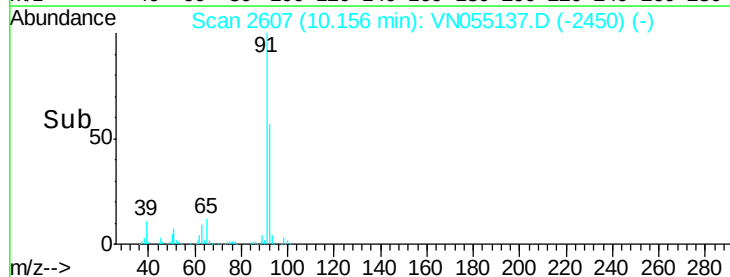
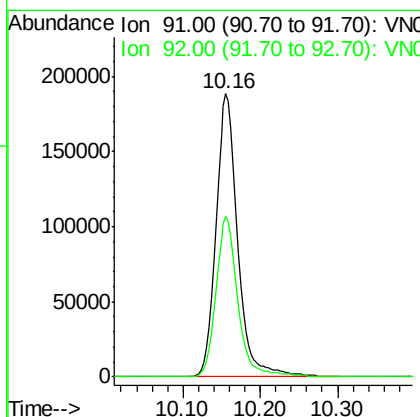
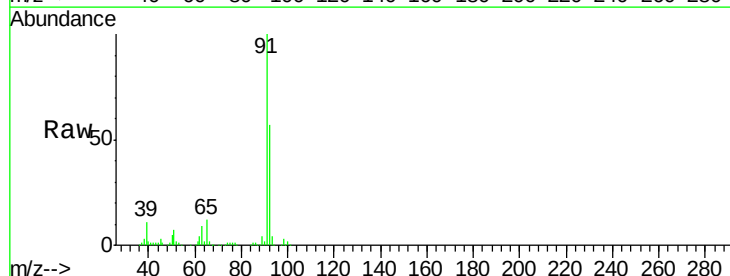
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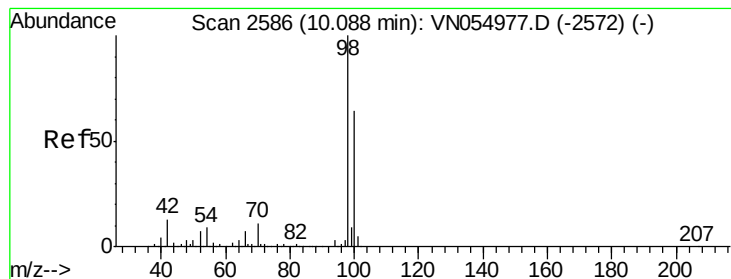
MMDadoda
4/22/2019 10:06:32 AM



#62
Toluene
Concen: 20.795 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	44.8	67.2





#63

Toluene-d8

Concen: 20.795 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

Tot Ion: 98 Resp: 468661

Ion Ratio Lower Upper

98 100

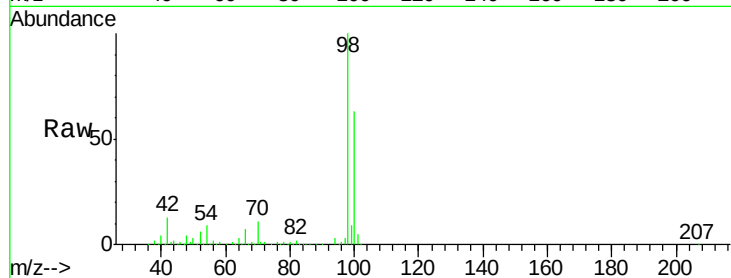
100 62.1 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN055137.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055137.D (-2572) (-)

10.09

250000

200000

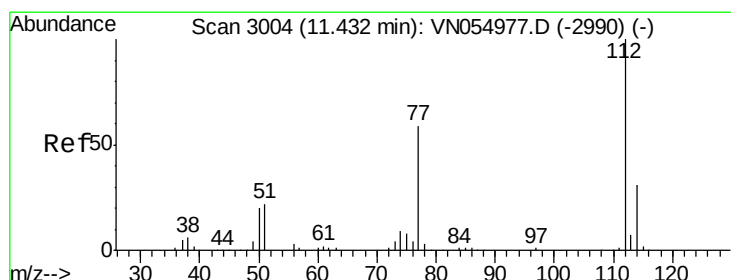
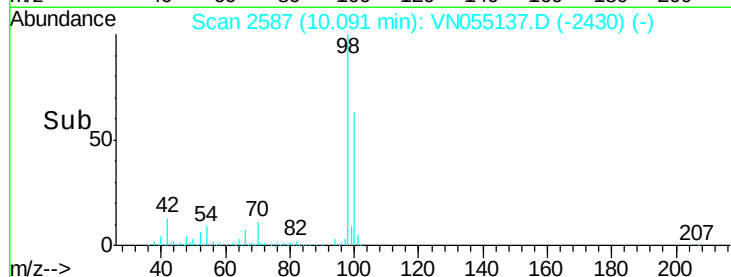
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.327 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055137.D

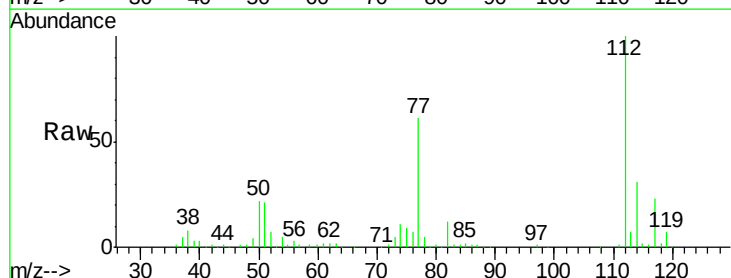
Acq: 19 Apr 2019 13:06

Tgt Ion: 112 Resp: 219892

Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN055137.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN055137.D (-2848) (-)

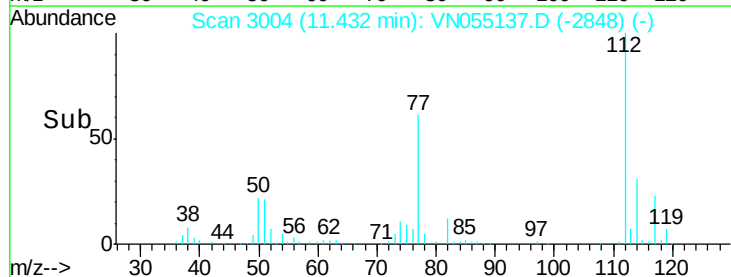
11.43

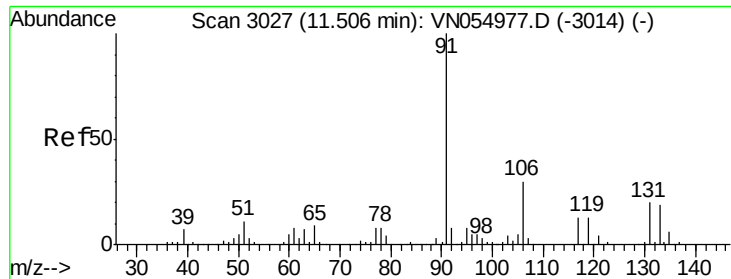
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.873 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

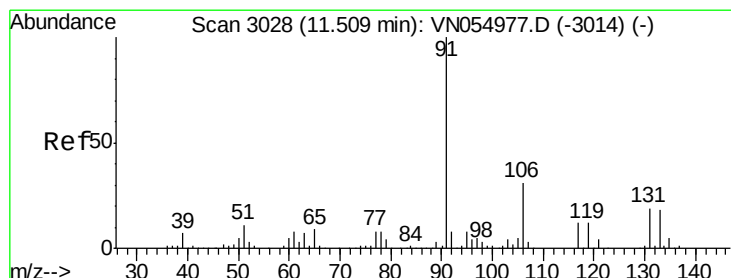
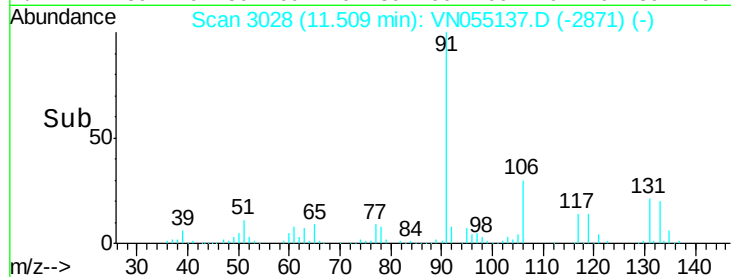
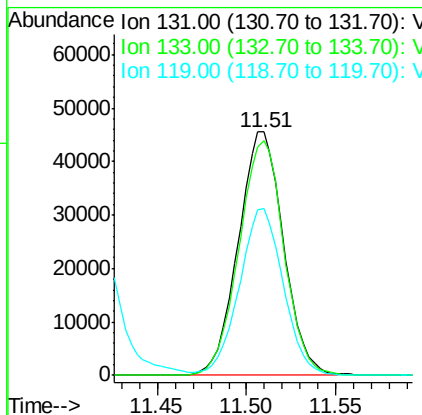
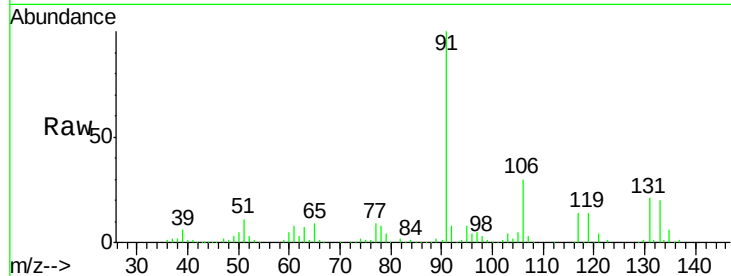
ClientSampled :

VN0419WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	80306		
133	95.9	0.0	187.8	
119	66.7	0.0	131.4	

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#66

Ethyl Benzene

Concen: 20.038 ug/l

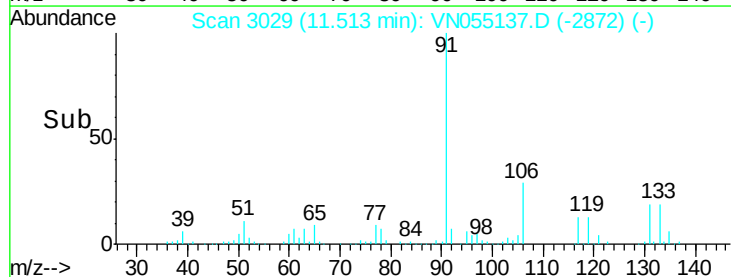
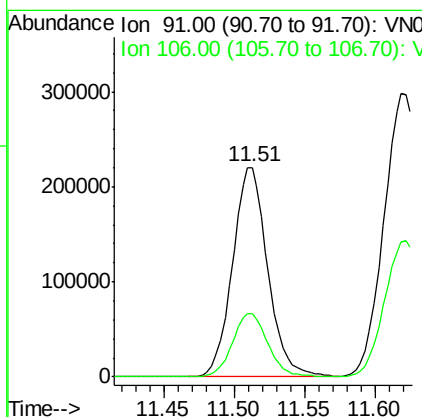
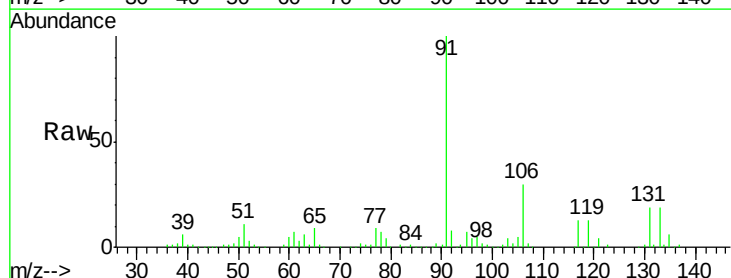
RT: 11.51 min Scan# 3029

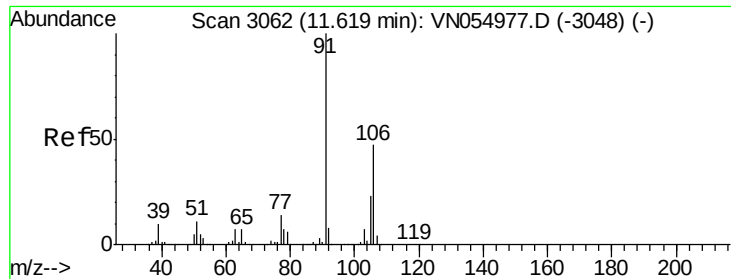
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	384892		
106	29.9	24.6	36.8	





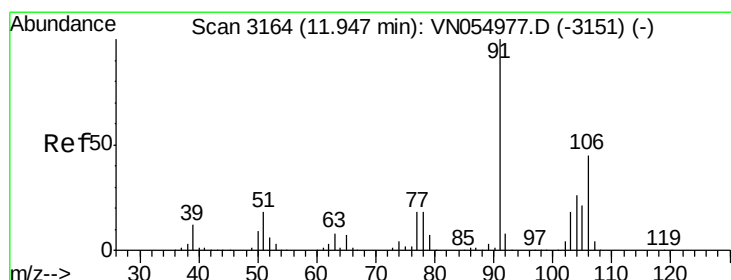
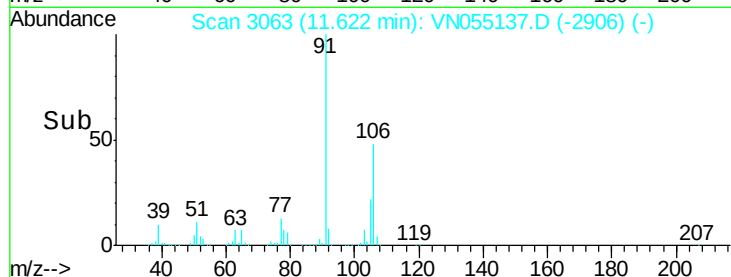
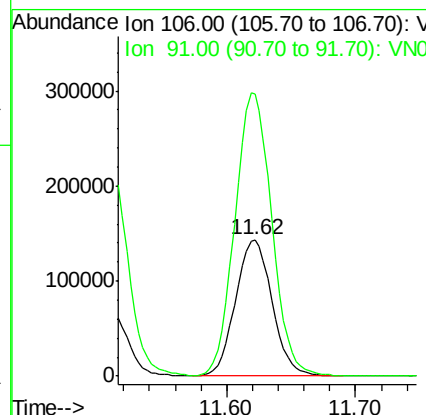
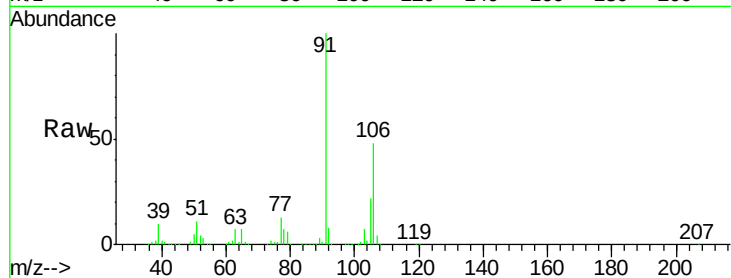
#67
m/p-Xylenes
Concen: 39.540 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion:106 Resp: 282305
Ion Ratio Lower Upper
106 100
91 209.9 167.4 251.2

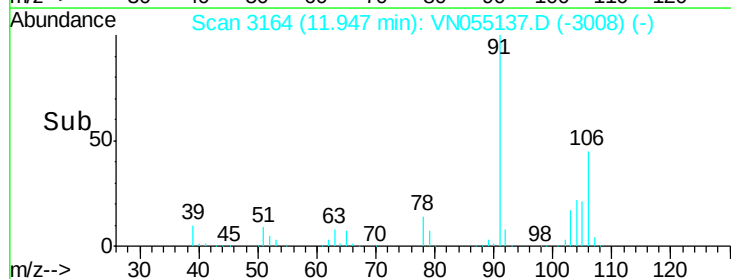
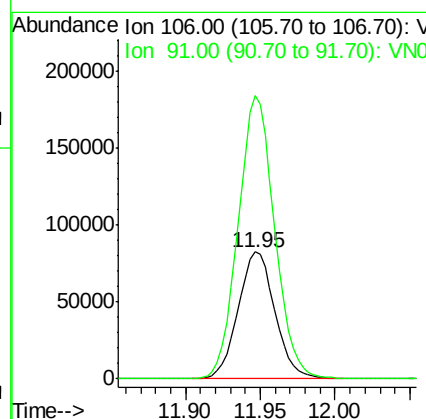
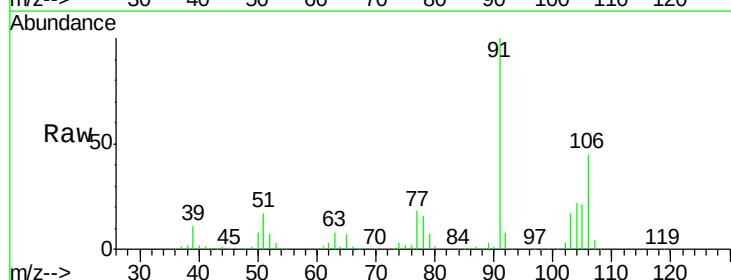
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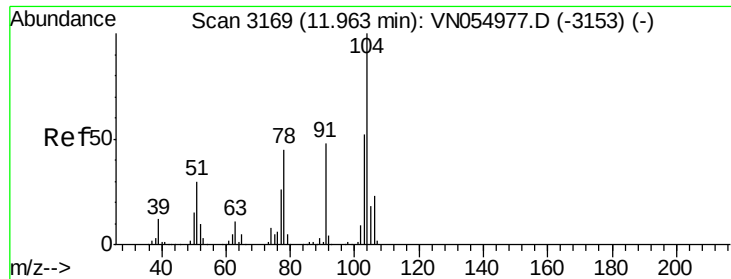
MMDadoda
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#68
o-Xylene
Concen: 20.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:106 Resp: 141436
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.8





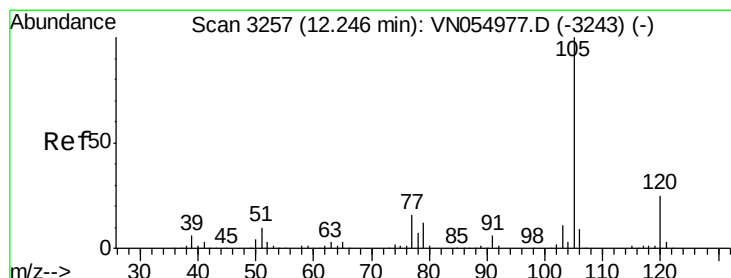
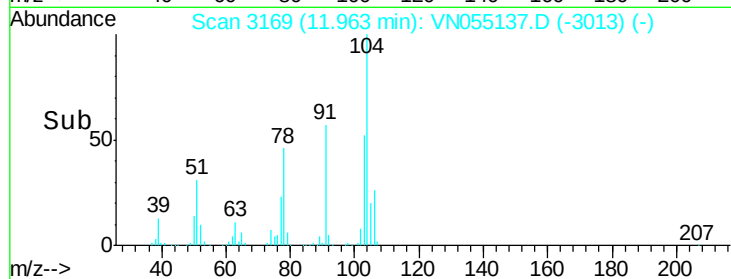
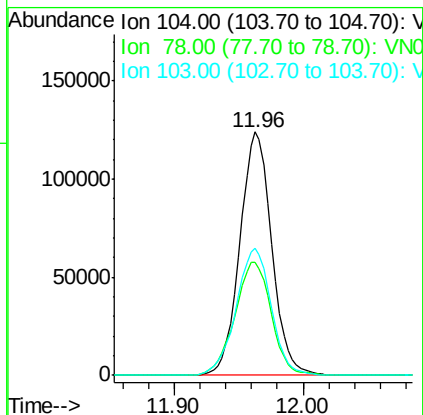
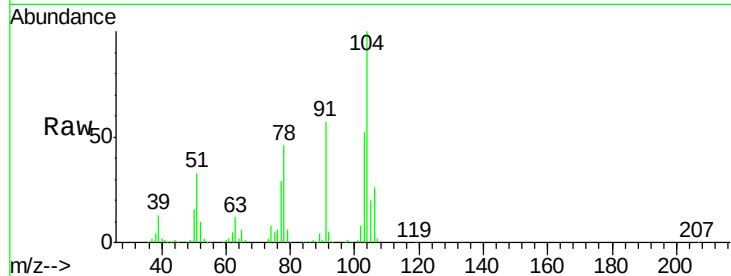
#69
Stvrene
Concen: 19.521 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.1	41.2	61.8
103	57.4	44.6	67.0

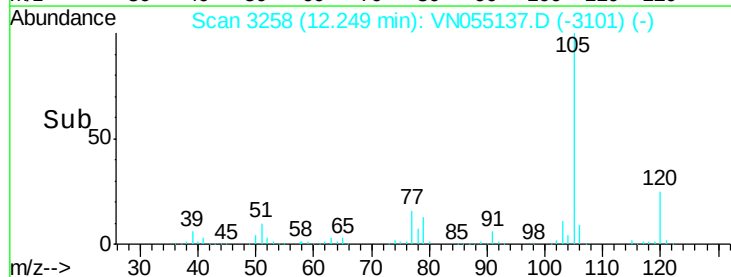
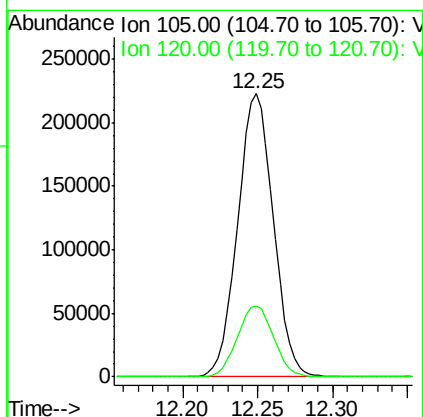
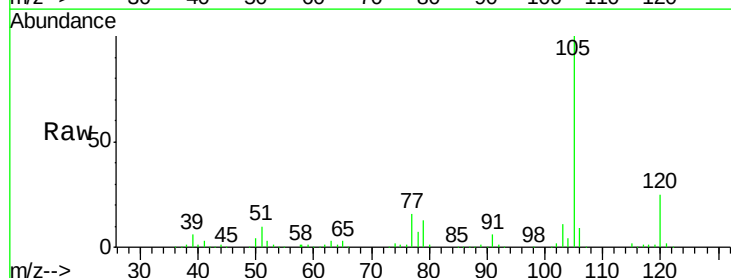
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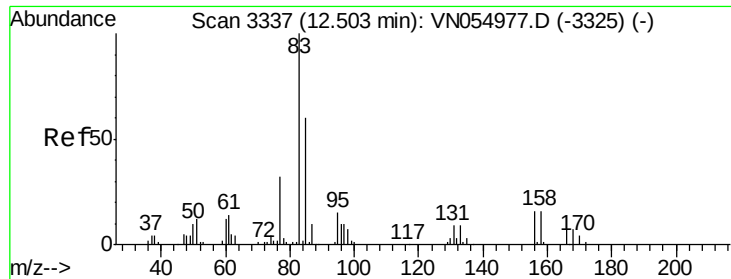
MMDadoda
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#70
Isopropylbenzene
Concen: 19.592 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.3	33.9





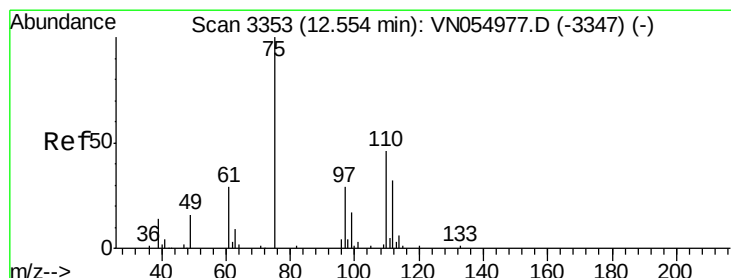
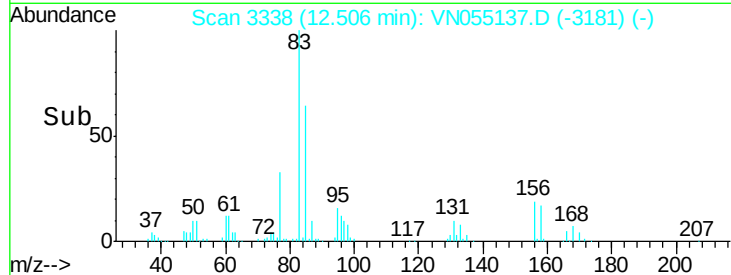
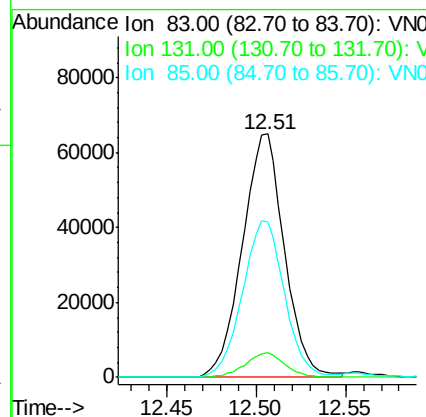
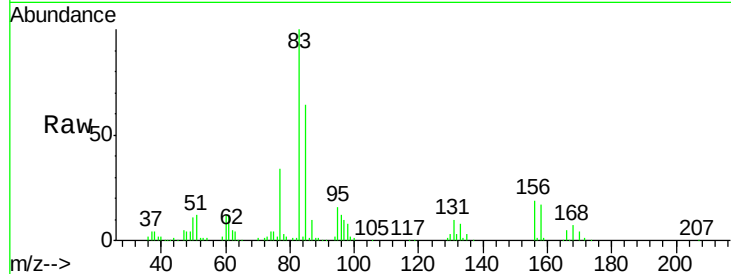
#71
 1,1,2,2-Tetrachloroethane
 Concen: 24.824 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

Tot Ion	83	Resp	107107
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.6	13.8
85	64.0	30.9	92.5

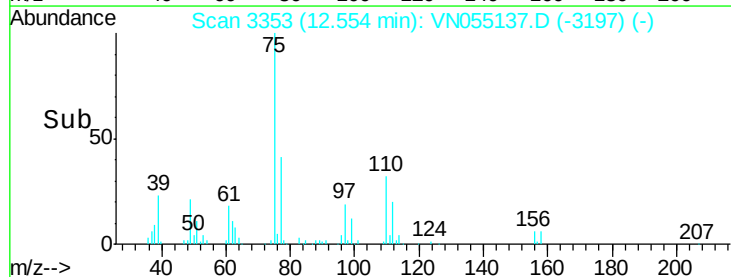
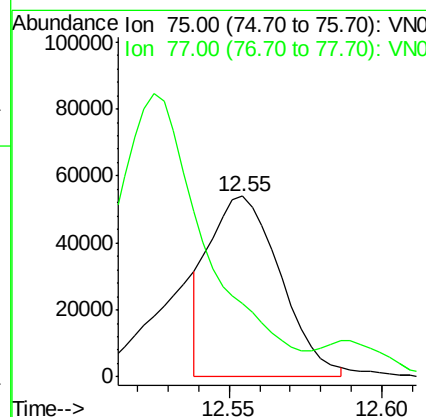
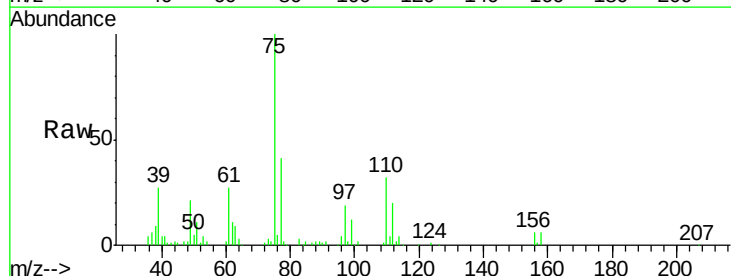
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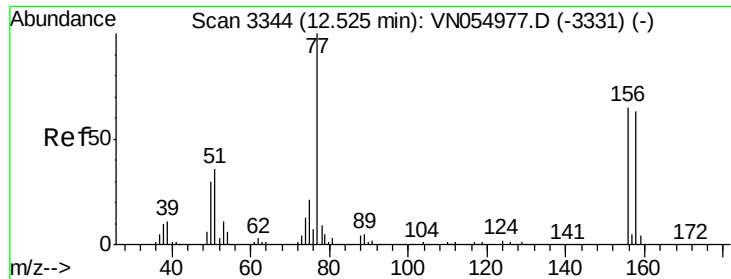
MMDadoda
 4/22/2019 10:06:32 AM



#72
 1,2,3-Trichloropropane
 Concen: 24.552 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	75	Resp	87486
Ion Ratio	100	Lower	Upper
75	100		
77	203.2	0.0	466.6





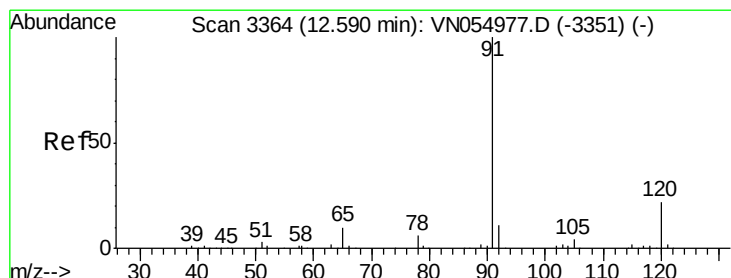
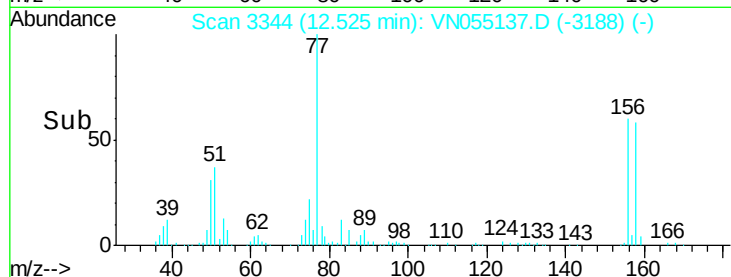
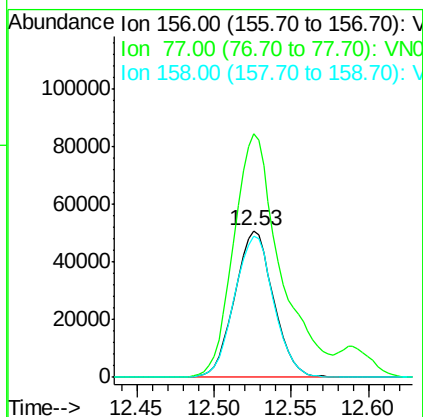
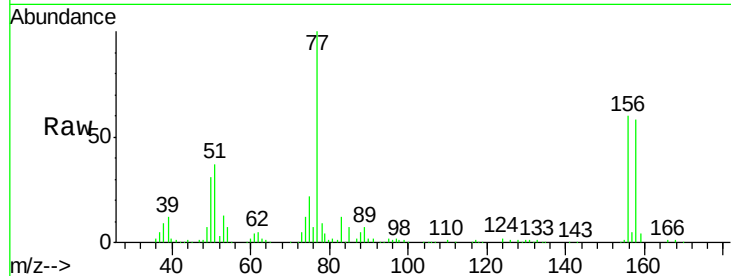
#73
Bromobenzene
Concen: 19.933 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.0	0.0	383.2
158	97.7	0.0	193.8

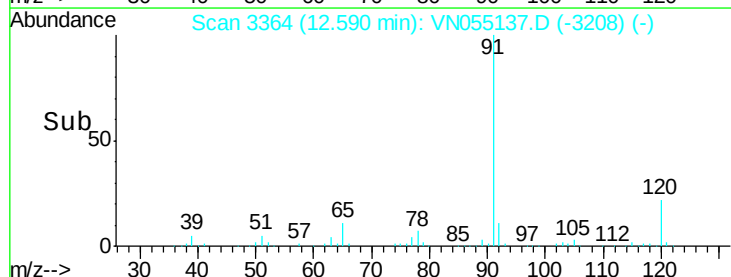
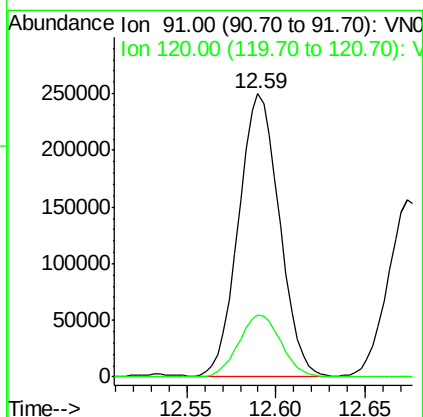
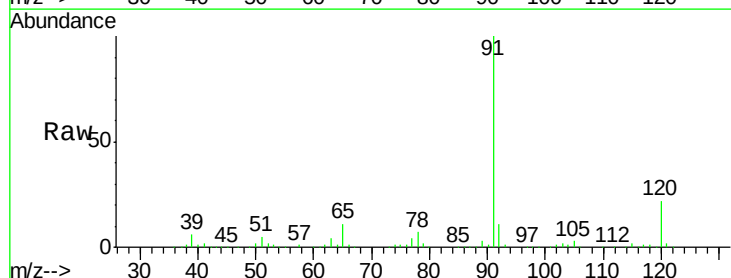
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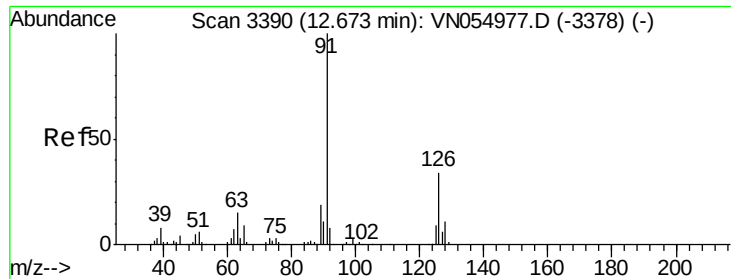
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4/22/2019 10:06:32 AM



#74
n-propylbenzene
Concen: 19.009 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	44.4





#75

2-Chlorotoluene

Concen: 20.019 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

Tot Ion: 91 Resp: 254986

Ion Ratio Lower Upper

91 100

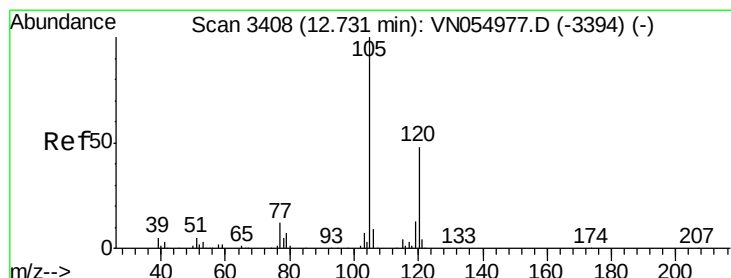
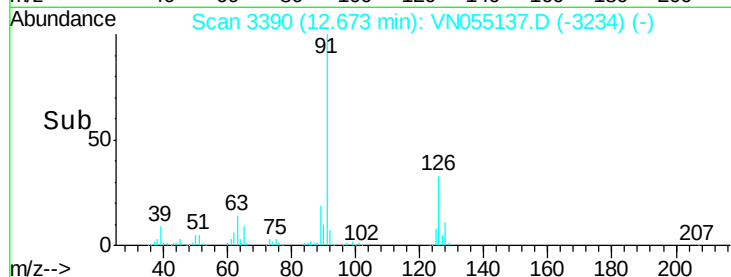
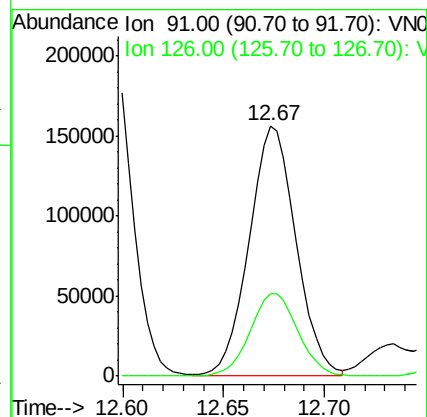
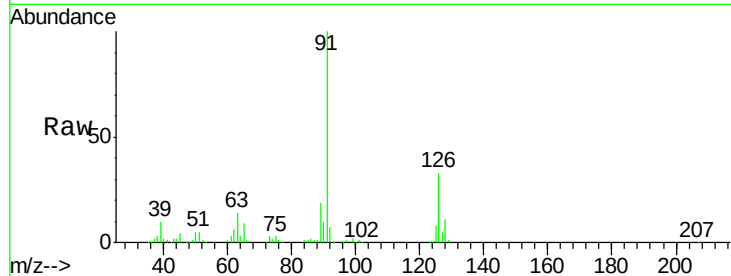
126 33.6 0.0 67.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.279 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055137.D

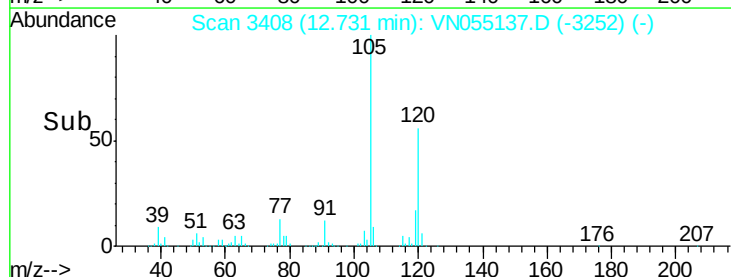
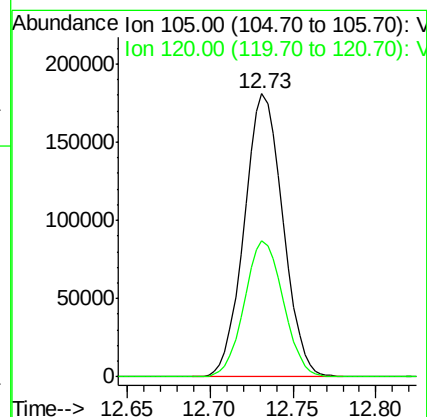
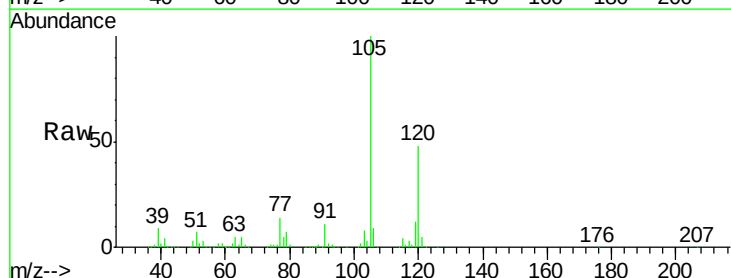
Acq: 19 Apr 2019 13:06

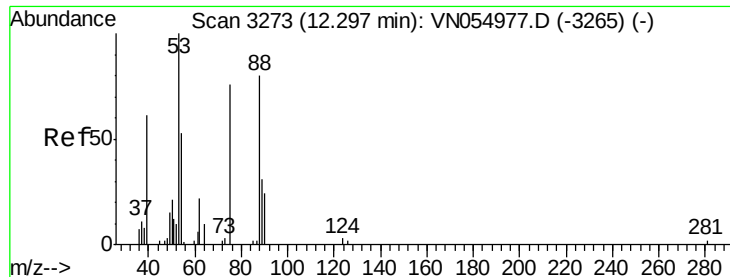
Tgt Ion: 105 Resp: 294033

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 21.663 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

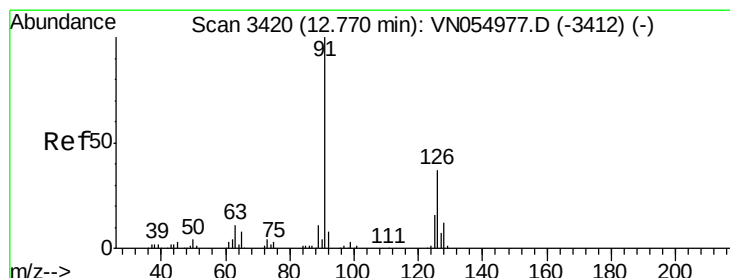
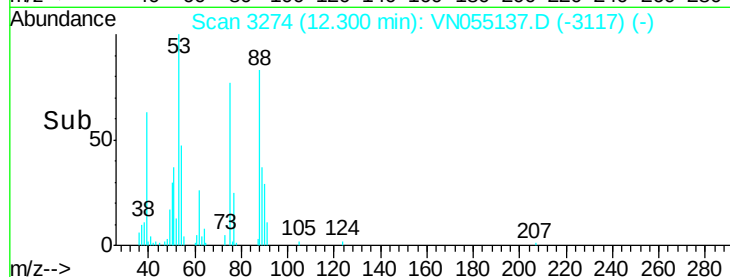
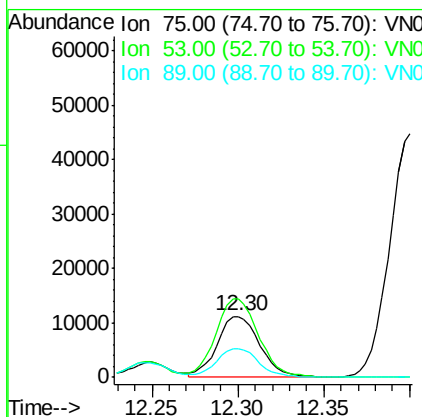
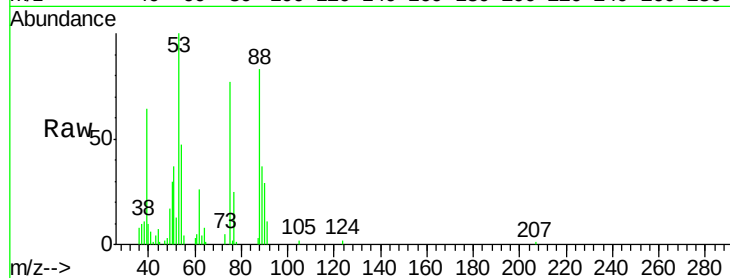
ClientSampleId :

VN0419WBS01

Tot Ion:	75	Resp:	19457
Ion	Ratio	Lower	Upper
75	100		
53	129.2	64.3	192.7
89	47.6	21.6	65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.273 ug/l

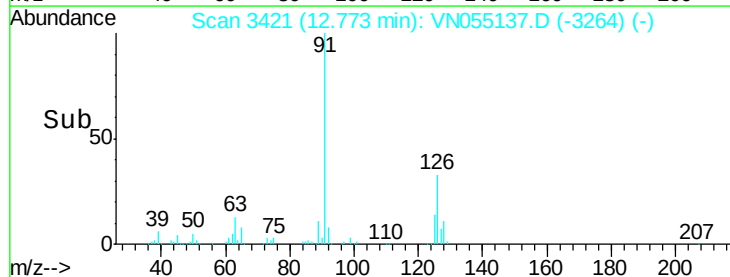
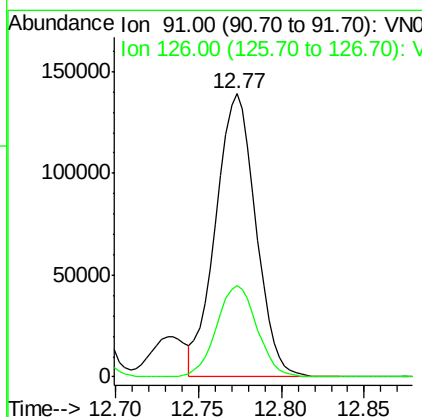
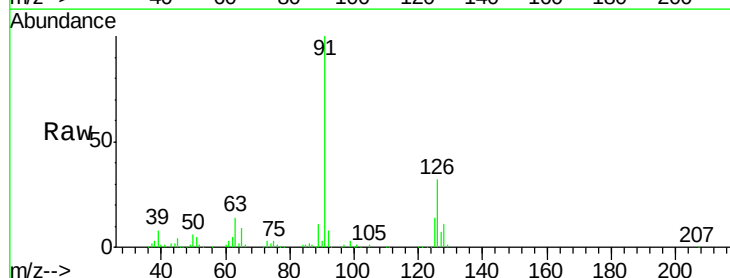
RT: 12.77 min Scan# 3421

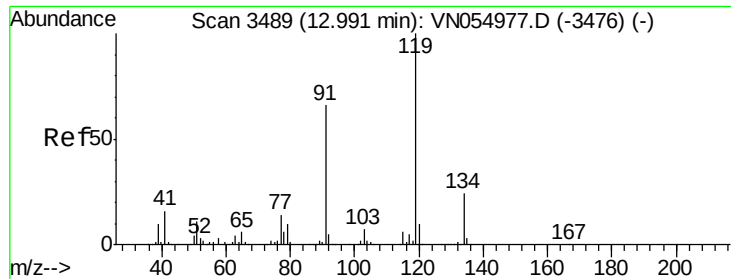
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	91	Resp:	233903
Ion	Ratio	Lower	Upper
91	100		
126	32.6	0.0	66.6





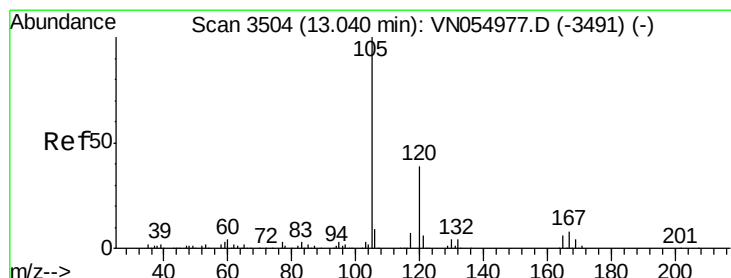
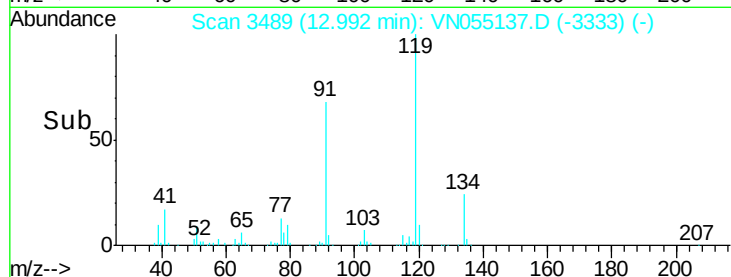
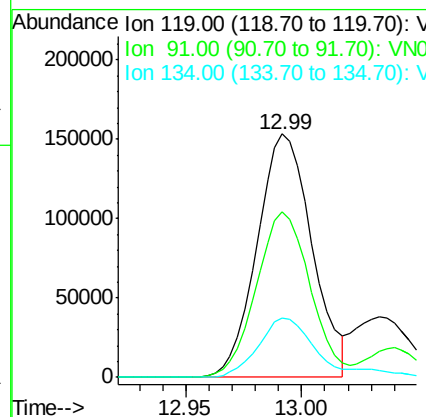
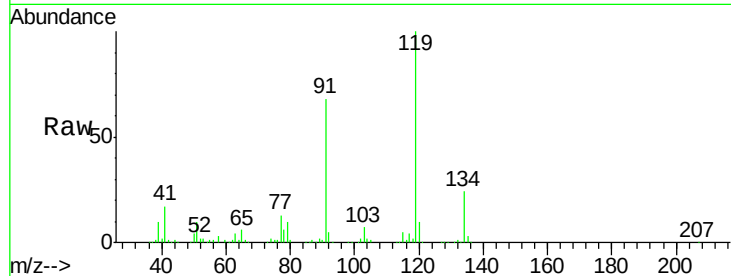
#79
tert-butylbenzene
Concen: 19.184 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	253171		
91	66.8	0.0	132.6	
134	24.5	0.0	47.6	

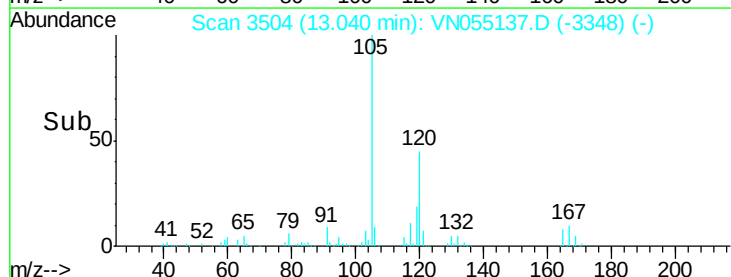
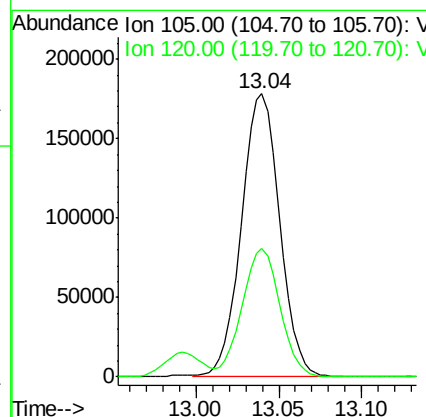
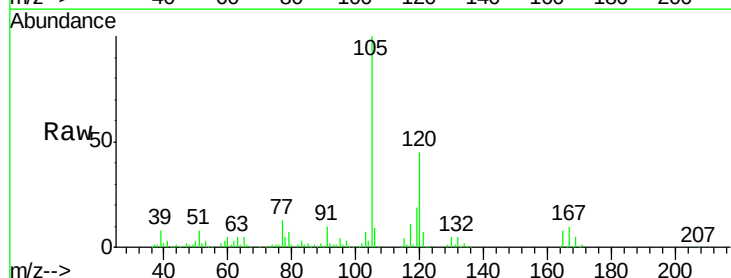
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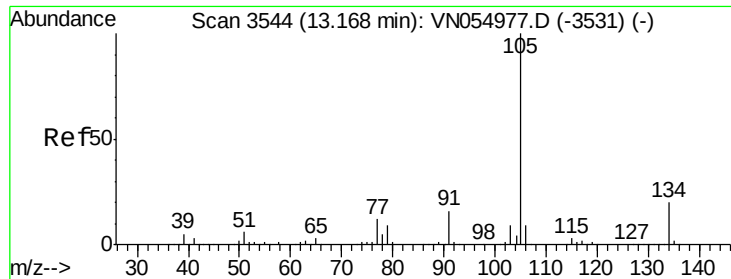
MMDadoda
4/22/2019 10:06:32 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.082 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285905		
120	45.0	0.0	91.4	





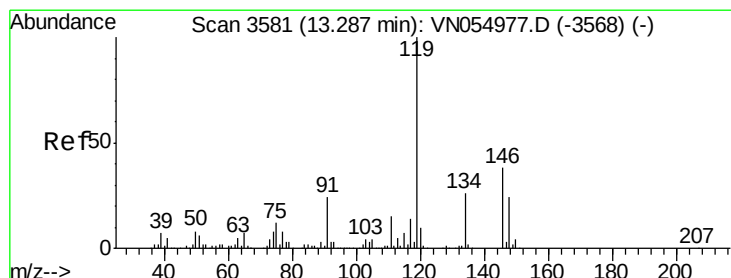
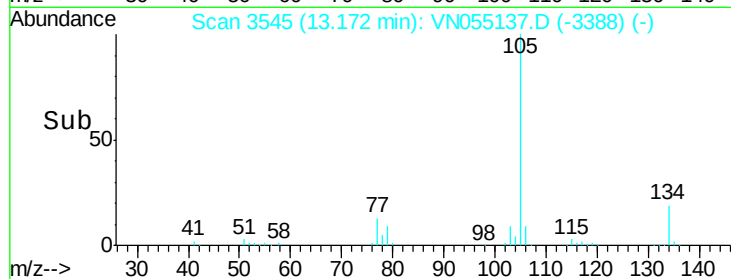
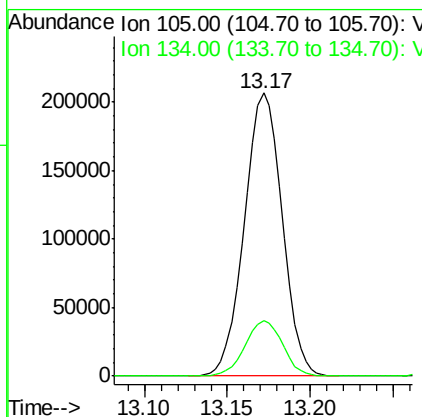
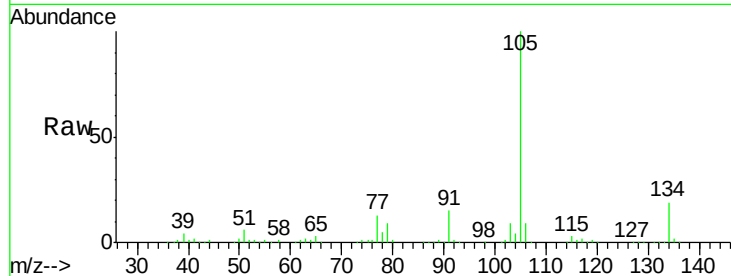
#81
 sec-Butylbenzene
 Concen: 18.666 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	40.0

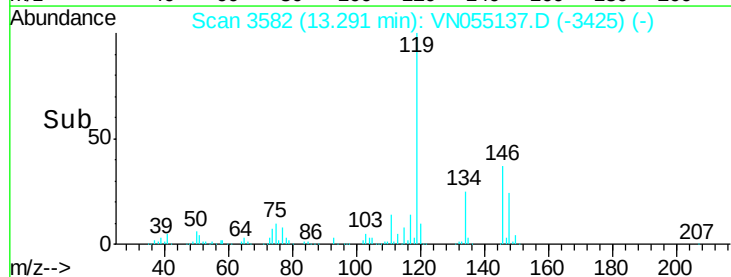
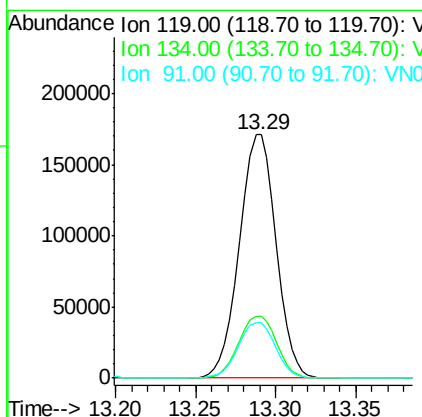
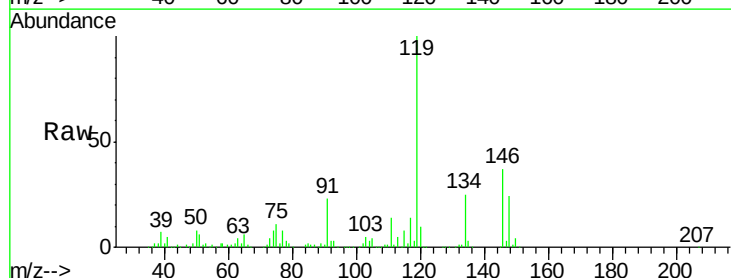
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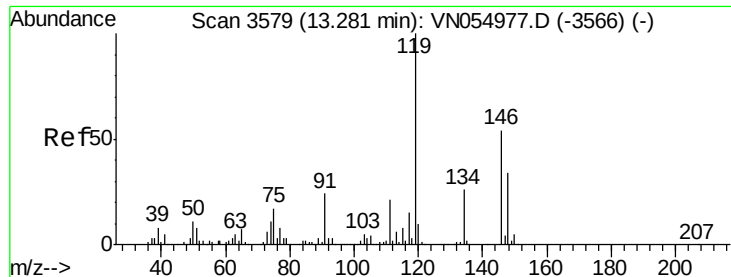
MMDadoda
 4/22/2019 10:06:32 AM



#82
 p-Isopropyltoluene
 Concen: 17.887 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	53.2
91	23.4	0.0	47.8





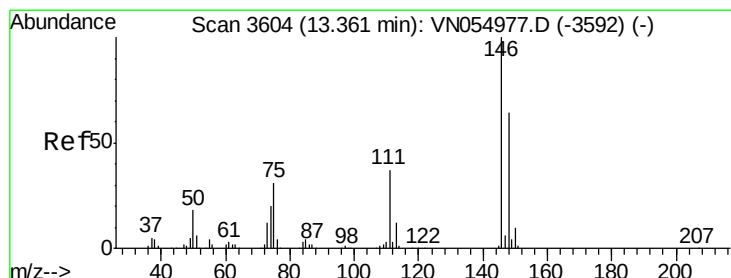
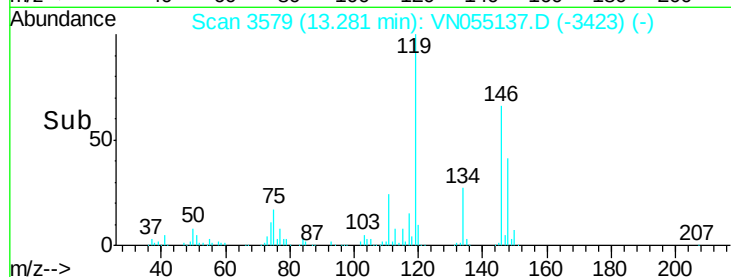
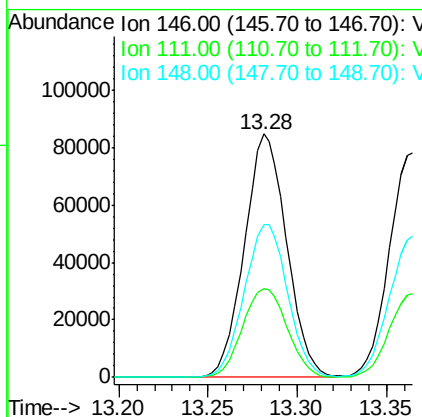
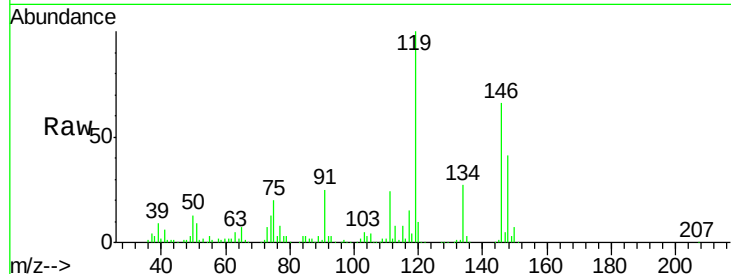
#83
 1,3-Dichlorobenzene
 Concen: 18.821 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	64.7	31.9	95.5

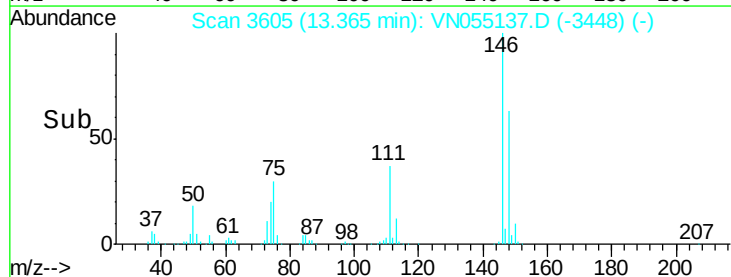
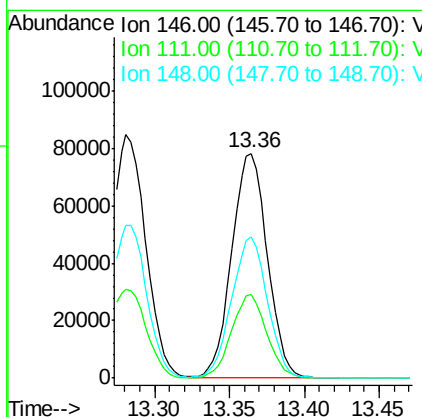
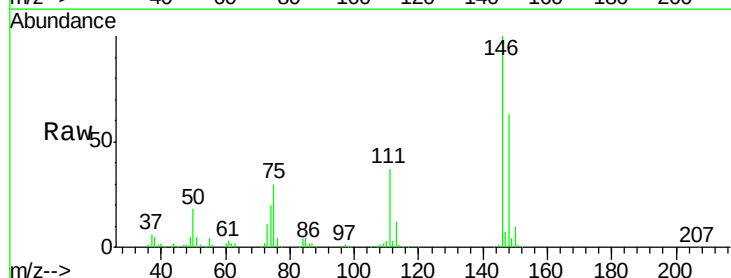
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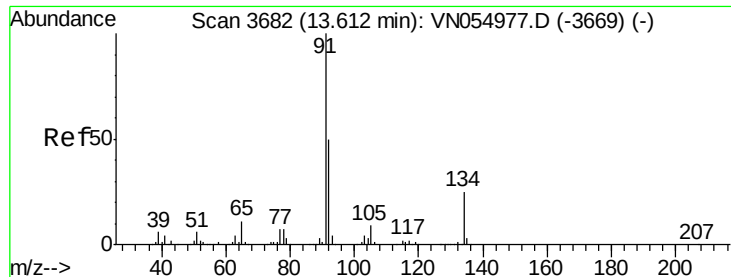
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#84
 1,4-Dichlorobenzene
 Concen: 18.318 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	63.3	32.5	97.4





#85

n-Butylbenzene

Concen: 15.534 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

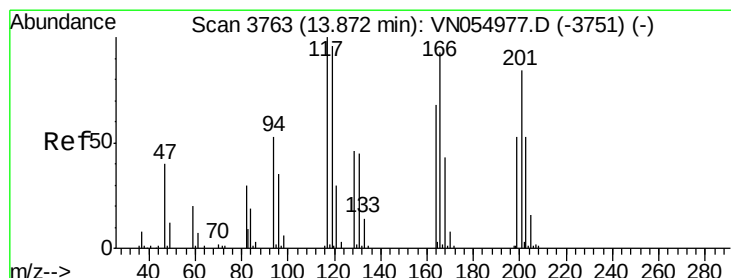
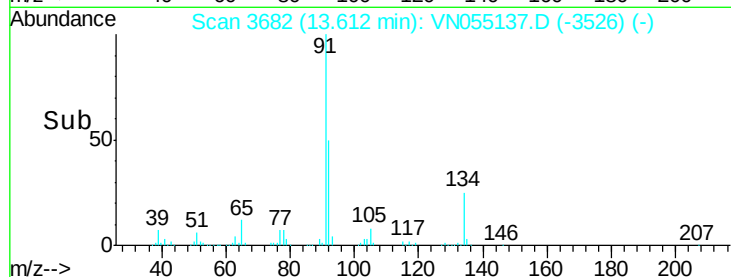
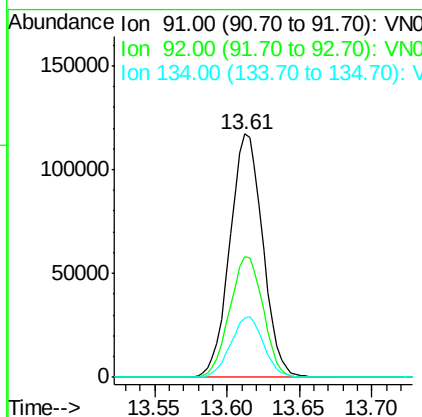
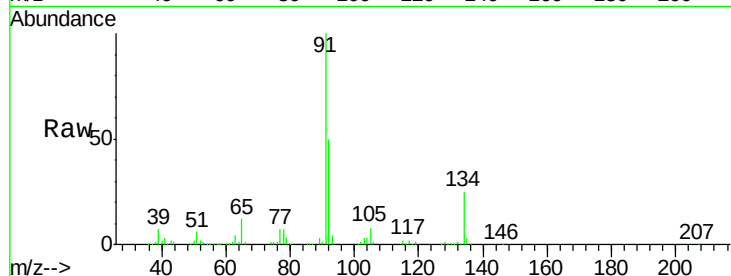
ClientSampleId :

VN0419WBS01

Tot Ion:	91	Resp:	184146
Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	101.4
134	24.7	0.0	49.8

Manual Integrations
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#86

Hexachloroethane

Concen: 18.593 ug/l

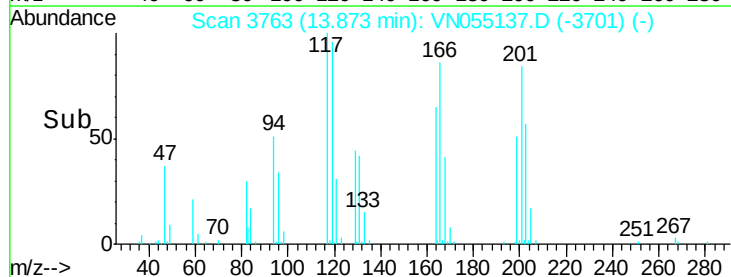
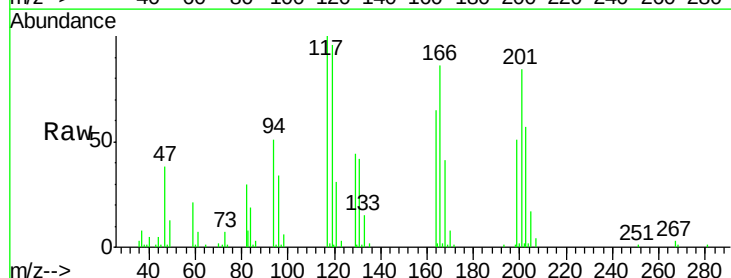
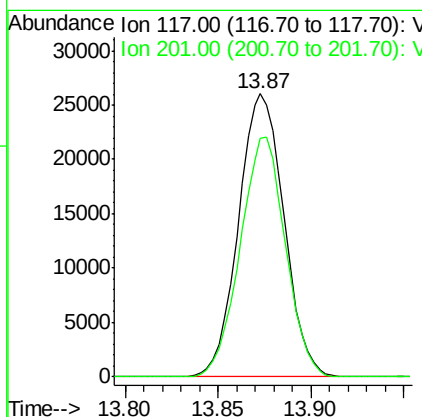
RT: 13.87 min Scan# 3763

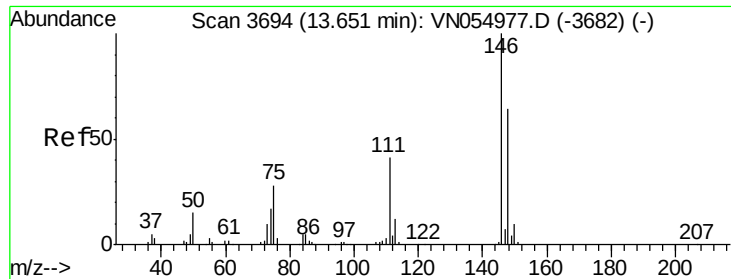
Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion:	117	Resp:	44293
Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.8	128.3





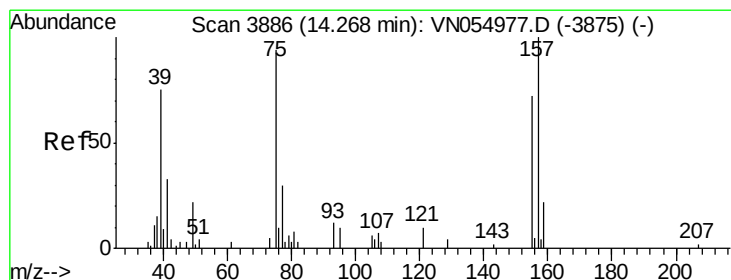
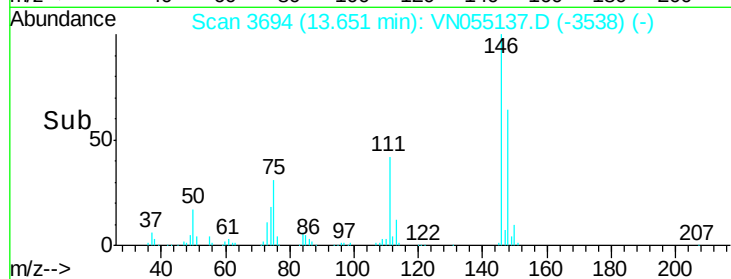
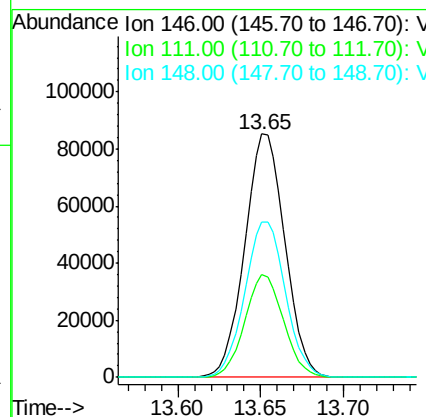
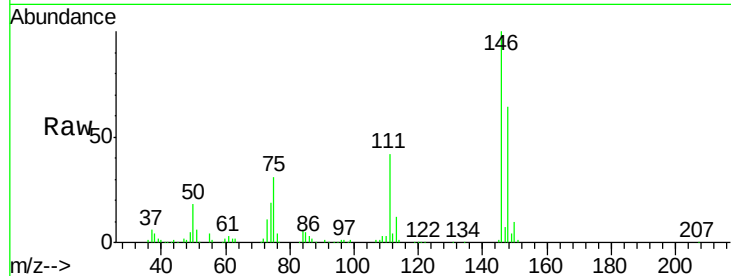
#87
 1,2-Dichlorobenzene
 Concen: 19.743 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.5	32.5	97.5

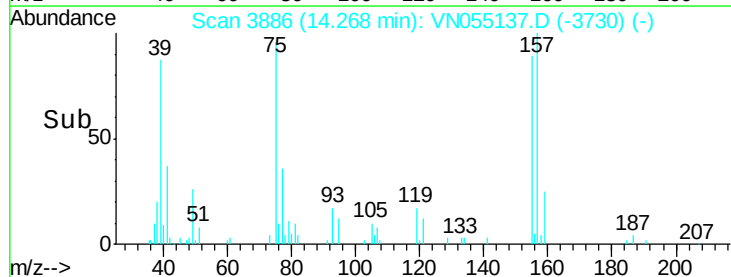
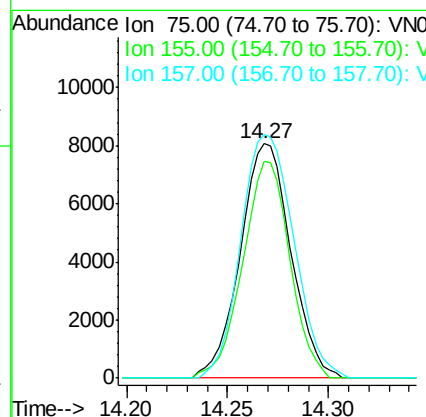
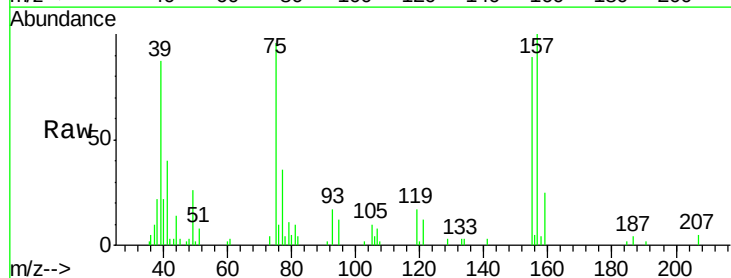
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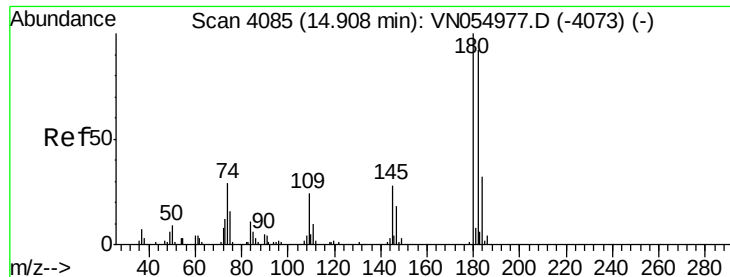
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 24.740 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	61.8	92.8
157	108.9	82.7	124.1





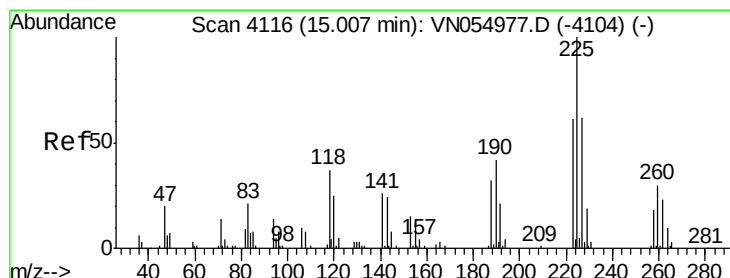
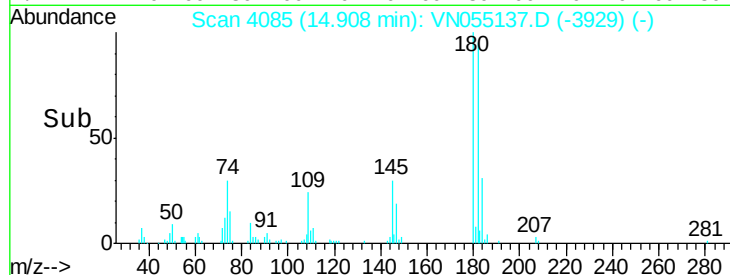
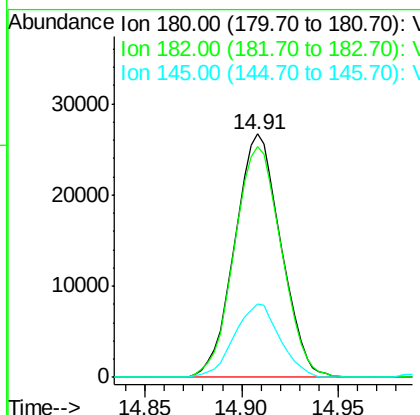
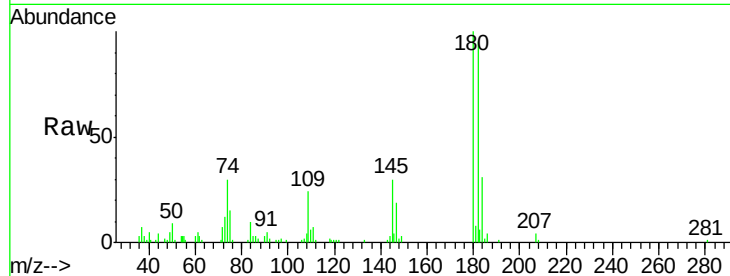
#89
 1,2,4-Trichlorobenzene
 Concen: 13.548 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	73.2	109.8
145	29.6	23.2	34.8

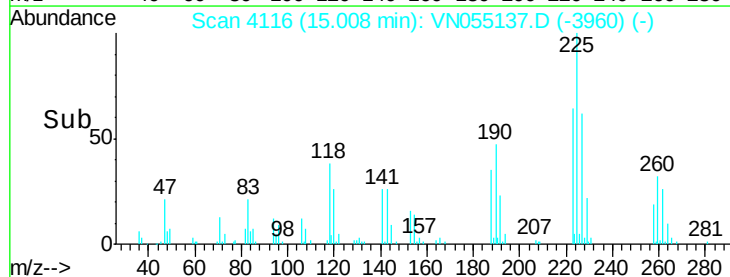
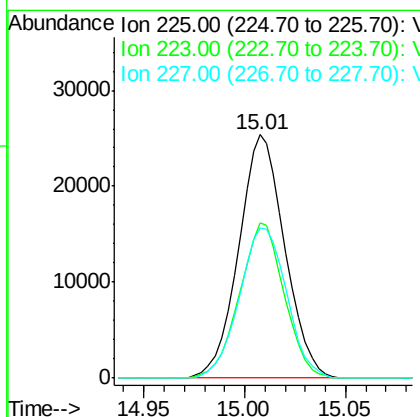
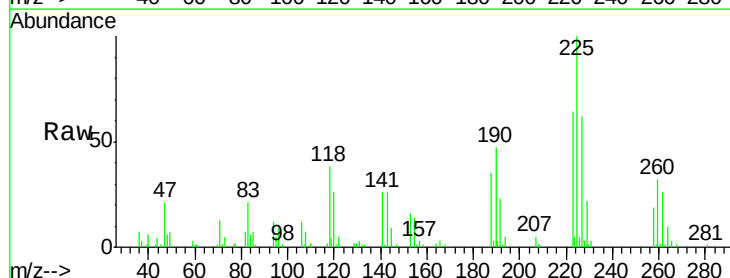
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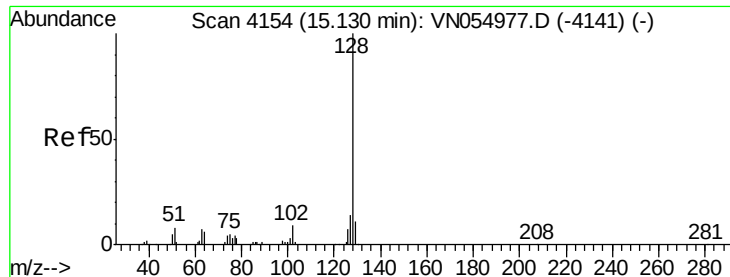
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#90
 Hexachlorobutadiene
 Concen: 16.970 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	126.0
227	63.5	0.0	125.4





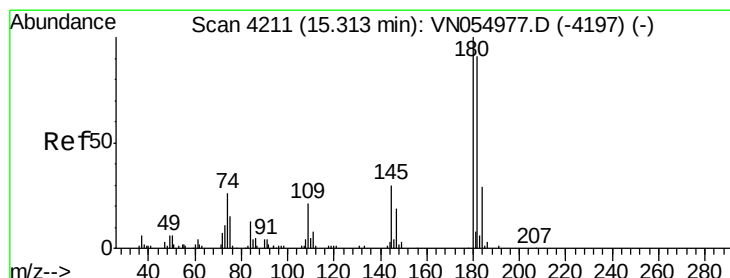
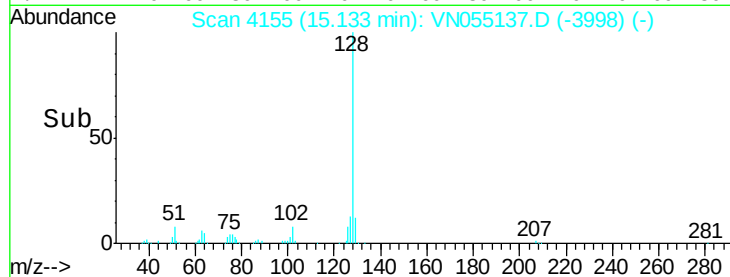
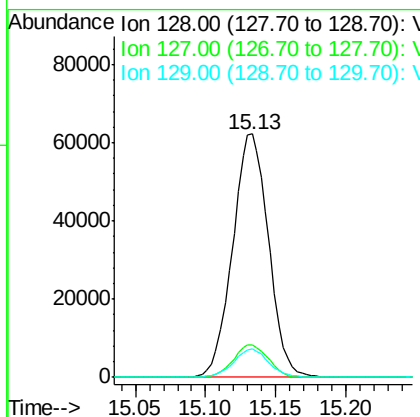
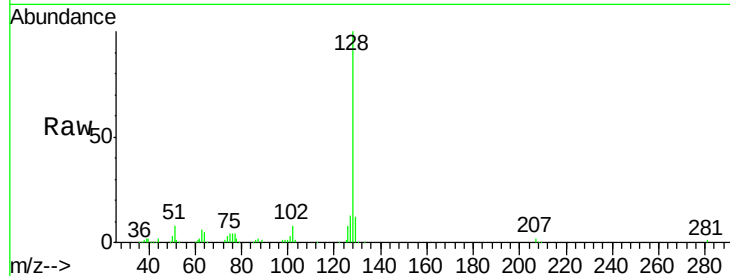
#91
Naphthalene
Concen: 16.185 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	110686		
127	13.1	10.6	15.8	
129	11.4	9.0	13.6	

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#92
1,2,3-Trichlorobenzene
Concen: 15.152 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	49494		
182	97.1	0.0	188.2	
145	31.8	0.0	61.2	

