

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054610.D
 Acq On : 23 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0323WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:23:49 AM

Quant Time: Mar 25 04:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	707619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	299742	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	
35) Dibromofluoromethane	7.59	113	235894	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	10.09	98	861861	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	283966	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84717	21.387	ug/l	99
3) Chloromethane	2.06	50	119616	22.195	ug/l	99
4) Vinyl Chloride	2.19	62	114175	21.101	ug/l	100
5) Bromomethane	2.58	94	63935	18.273	ug/l	94
6) Chloroethane	2.71	64	65660	20.231	ug/l	96
7) Trichlorofluoromethane	3.03	101	137502	20.925	ug/l	98
8) Diethyl Ether	3.41	74	46817	18.525	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72482	18.769	ug/l	94
10) Methyl Iodide	3.94	142	106049	18.668	ug/l #	90
11) Tert butyl alcohol	4.82	59	36695	117.602	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	72895	18.239	ug/l #	76
13) Acrolein	3.61	56	7823	18.168	ug/l	90
14) Allyl chloride	4.32	41	168049	22.330	ug/l #	92
15) Acrylonitrile	5.00	53	177862	114.465	ug/l	99
16) Acetone	3.82	43	135107	87.193	ug/l #	85
17) Carbon Disulfide	4.04	76	213616	19.948	ug/l	100
18) Methyl Acetate	4.33	43	87598	25.364	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	257742	22.098	ug/l	94
20) Methylene Chloride	4.55	84	100060	21.906	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	91501	22.422	ug/l	86
22) Diisopropyl ether	5.96	45	348208	23.457	ug/l #	93
23) Vinyl Acetate	5.90	43	1261979	120.370	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186153	23.290	ug/l	98
25) 2-Butanone	6.85	43	219513	110.591	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	115719	20.310	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	107038	21.990	ug/l	86
28) Bromochloromethane	7.19	49	90427	22.985	ug/l #	70
29) Tetrahydrofuran	7.22	42	154478	119.929	ug/l #	83
30) Chloroform	7.37	83	177495	22.755	ug/l	99
31) Cyclohexane	7.65	56	170752	21.226	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148713	23.109	ug/l	95
36) 1,1-Dichloropropene	7.79	75	131484	19.873	ug/l	96
37) Ethyl Acetate	6.94	43	105236	22.363	ug/l #	93
38) Carbon Tetrachloride	7.77	117	128669	20.012	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	136034	17.974	ug/l #	88
40) Benzene	8.04	78	394524	20.853	ug/l	98
41) Methacrylonitrile	7.18	41	56035	19.526	ug/l	92
42) 1,2-Dichloroethane	8.12	62	143979	20.896	ug/l	97
43) Isopropyl Acetate	8.17	43	193971	24.407	ug/l #	90
44) Trichloroethene	8.83	130	102372	19.462	ug/l	96
45) 1,2-Dichloropropane	9.12	63	110323	21.716	ug/l	99
46) Dibromomethane	9.21	93	64583	21.309	ug/l	87
47) Bromodichloromethane	9.40	83	135456	21.535	ug/l	100
48) Methyl methacrylate	9.20	41	89903	20.842	ug/l	87
49) 1,4-Dioxane	9.21	88	19138	396.868	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	483070	109.678	ug/l	92
52) Toluene	10.16	92	232848	20.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121815	19.771	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152329	21.121	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	88472	21.151	ug/l	96
56) Ethyl methacrylate	10.43	69	118521	21.111	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	154696	21.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	211327	91.411	ug/l	89
59) 2-Hexanone	10.75	43	305803	106.295	ug/l	90
60) Dibromochloromethane	10.90	129	92517	20.786	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83313	20.147	ug/l	98
64) Tetrachloroethene	10.63	164	89888	18.087	ug/l	95
65) Chlorobenzene	11.43	112	242956	19.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91250	20.862	ug/l	97
67) Ethyl Benzene	11.51	91	433362	20.132	ug/l	98
68) m/p-Xylenes	11.62	106	315478	38.693	ug/l	92
69) o-Xylene	11.95	106	158816	19.945	ug/l	94
70) Styrene	11.96	104	260367	20.135	ug/l	97
71) Bromoform	12.13	173	53449	19.158	ug/l #	98
73) Isopropylbenzene	12.25	105	417454	20.834	ug/l	97
74) N-amyl acetate	12.07	43	133538	23.178	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	113567	24.829	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	92671m	23.486	ug/l	
77) Bromobenzene	12.53	156	101985	20.523	ug/l	83
78) n-propylbenzene	12.59	91	449722	20.699	ug/l	97
79) 2-Chlorotoluene	12.67	91	281221	20.756	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	335190	20.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22919	21.926	ug/l	86
82) 4-Chlorotoluene	12.77	91	273665	20.838	ug/l	96
83) tert-Butylbenzene	12.99	119	293243	20.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	330802	20.529	ug/l	98
85) sec-Butylbenzene	13.17	105	361946	20.312	ug/l	96
86) p-Isopropyltoluene	13.29	119	318527	19.980	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	165547	20.103	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159964	19.964	ug/l	97
89) n-Butylbenzene	13.61	91	235826	18.918	ug/l	98
90) Hexachloroethane	13.87	117	52675	21.286	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	166518	20.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15727	23.442	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71009	17.858	ug/l	97
94) Hexachlorobutadiene	15.01	225	45991	19.052	ug/l	99
95) Naphthalene	15.13	128	167672	18.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72501	18.320	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion:168 Resp: 414350

Ion Ratio Lower Upper

168 100

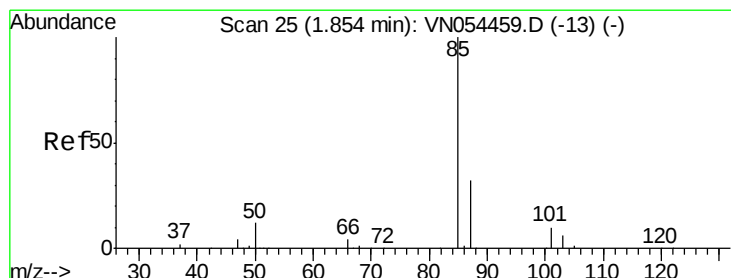
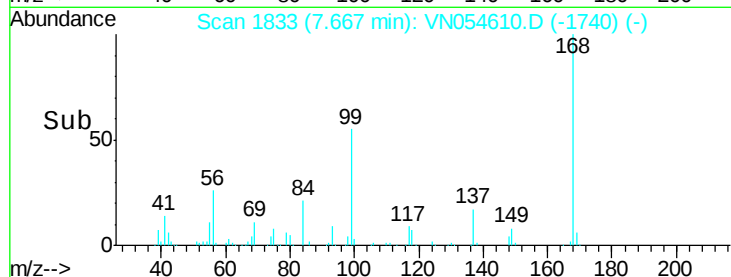
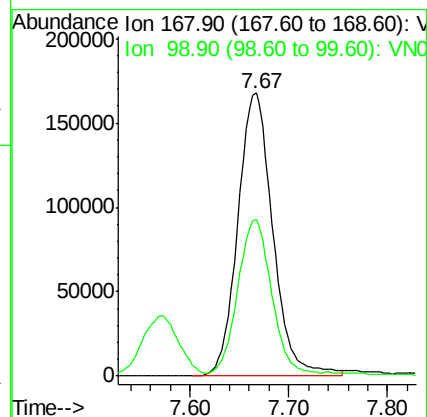
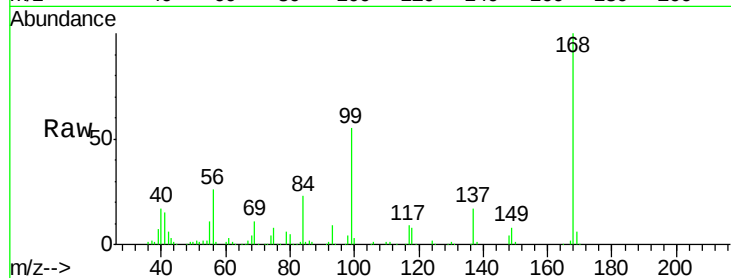
99 54.0 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.387 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054610.D

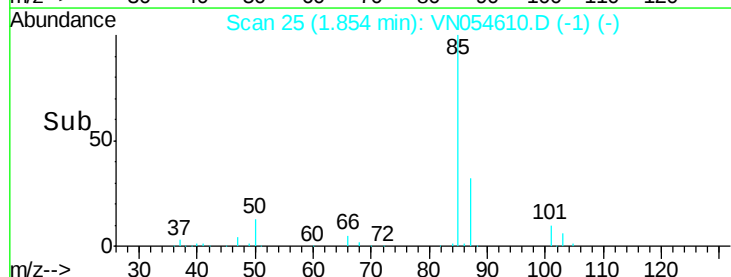
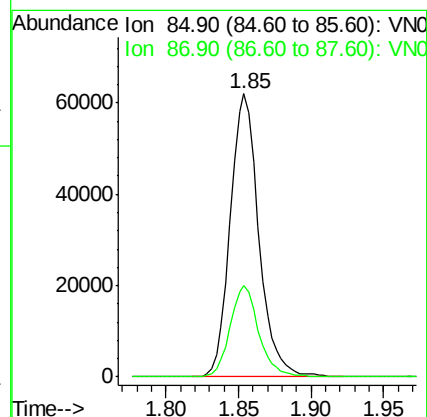
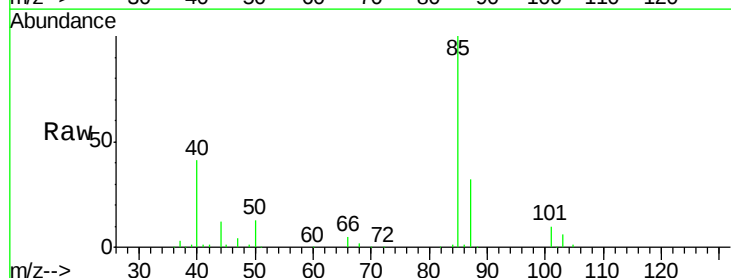
Acq: 23 Mar 2019 17:49

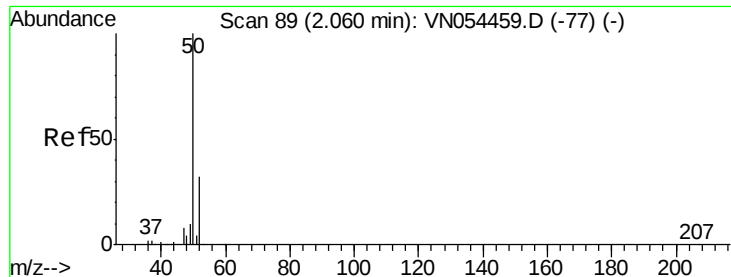
Tgt Ion: 85 Resp: 84717

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7





#3

Chloromethane

Concen: 22.195 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 50 Resp: 119616

Ion Ratio Lower Upper

50 100

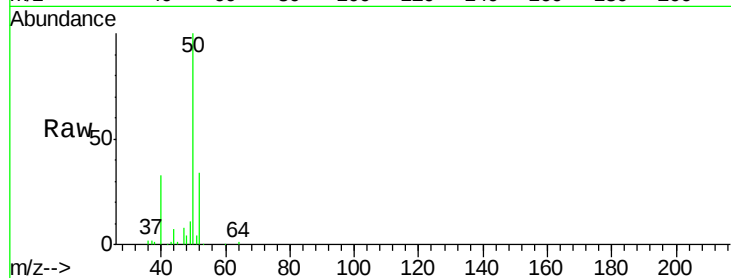
52 33.5 26.4 39.6

Manual Integrations

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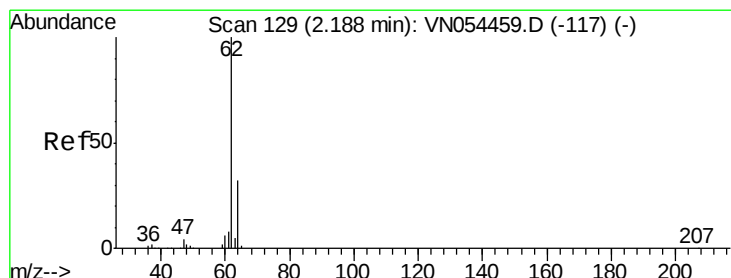
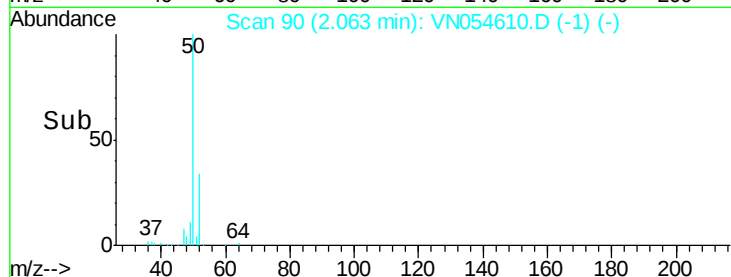
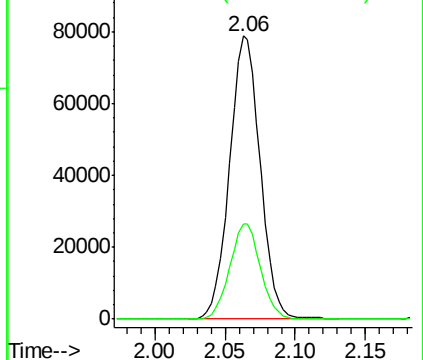
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.101 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054610.D

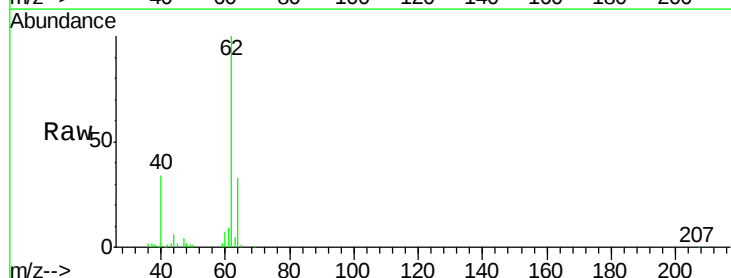
Acq: 23 Mar 2019 17:49

Tgt Ion: 62 Resp: 114175

Ion Ratio Lower Upper

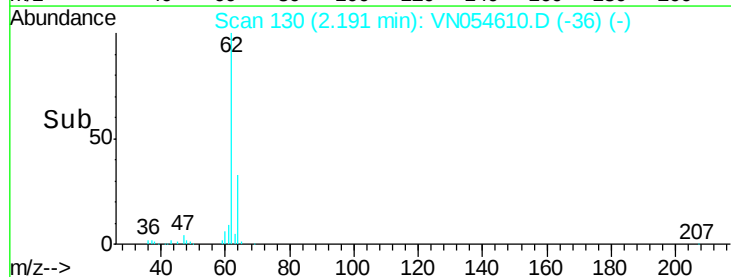
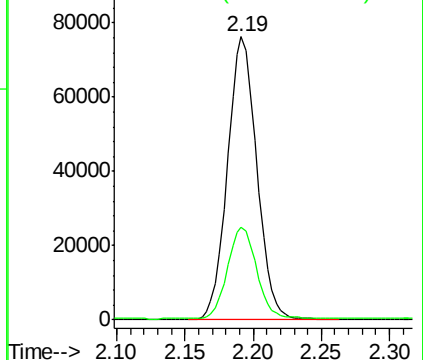
62 100

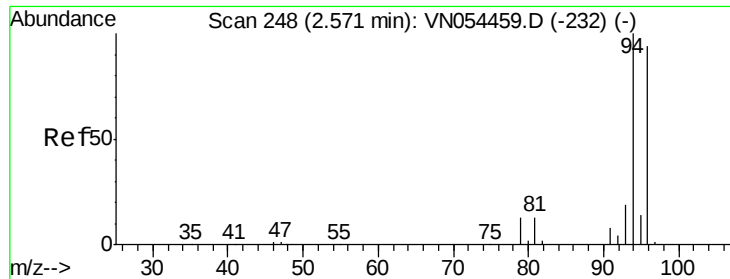
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.273 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 63935

Ion Ratio Lower Upper

94 100

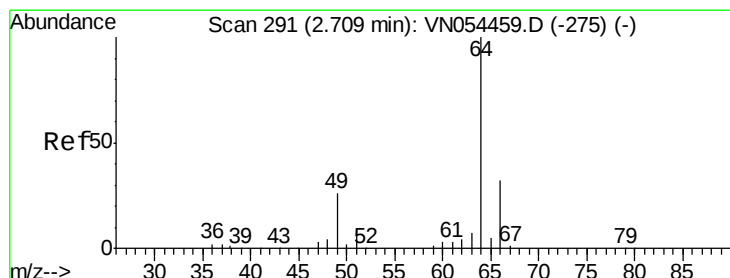
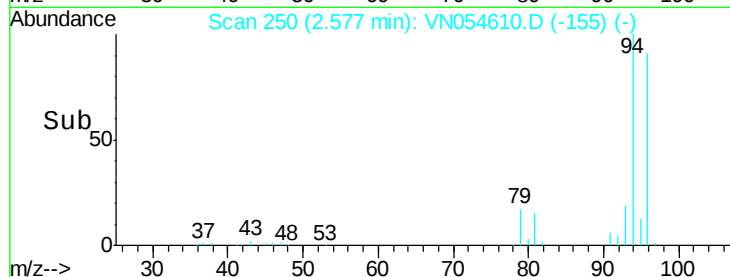
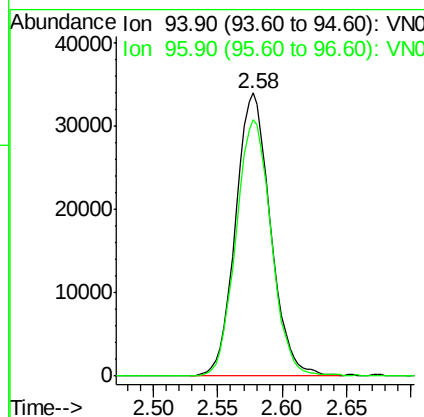
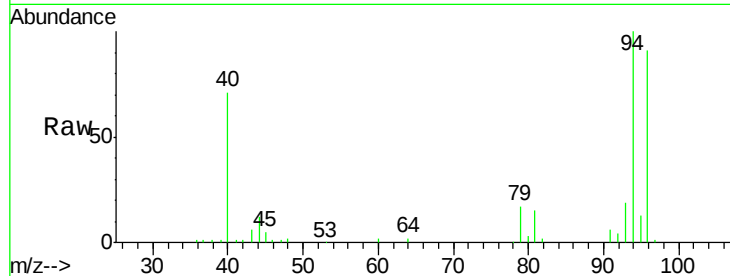
96 90.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 20.231 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054610.D

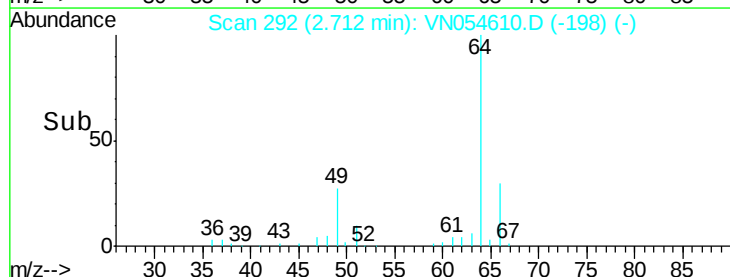
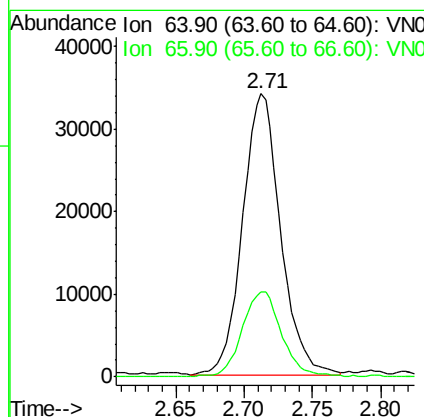
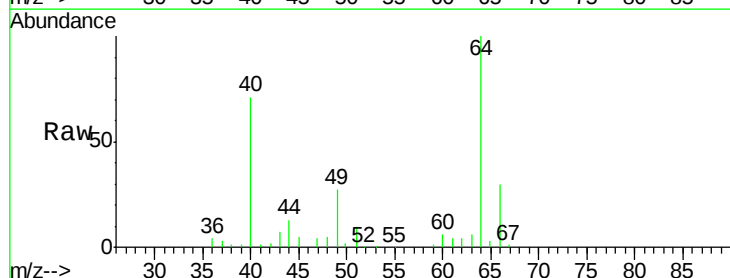
Acq: 23 Mar 2019 17:49

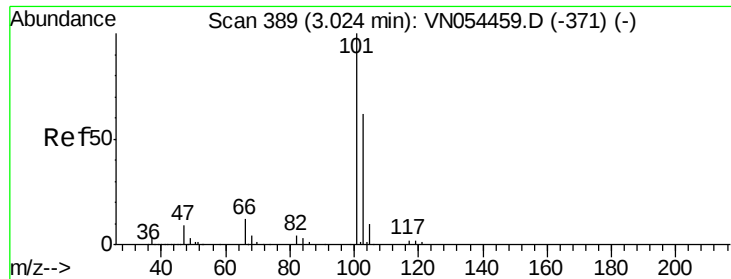
Tgt Ion: 64 Resp: 65660

Ion Ratio Lower Upper

64 100

66 30.1 25.7 38.5





#7

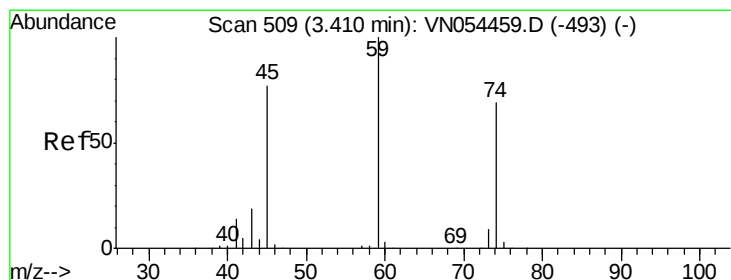
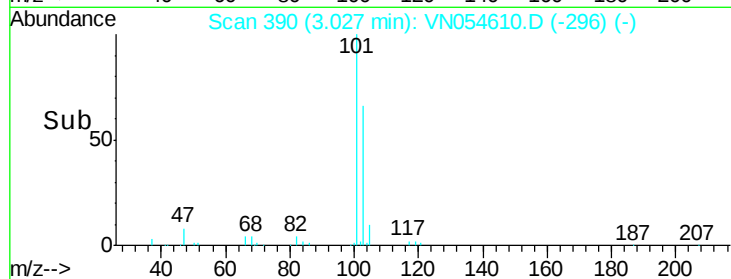
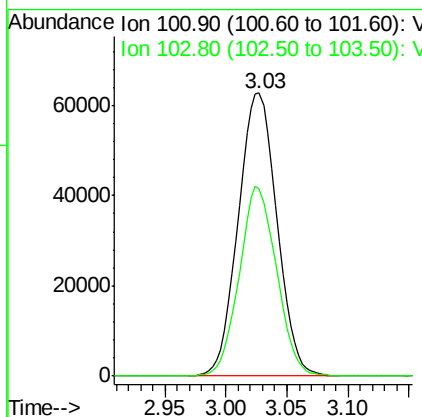
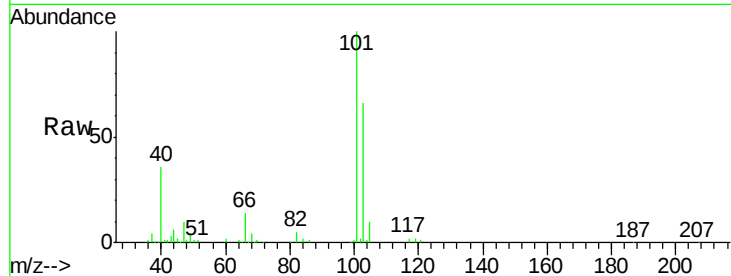
Trichlorofluoromethane
 Concen: 20.925 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
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 ClientSampled :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.4	77.2

Manual Integrations
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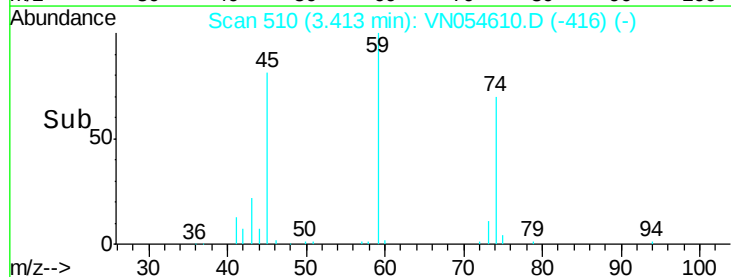
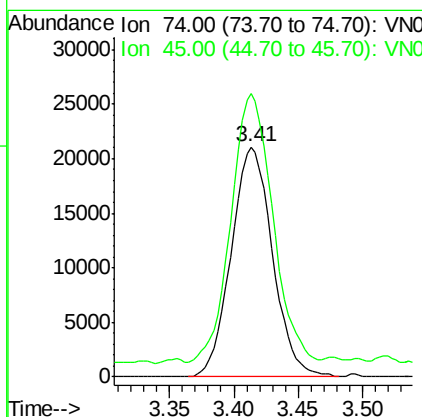
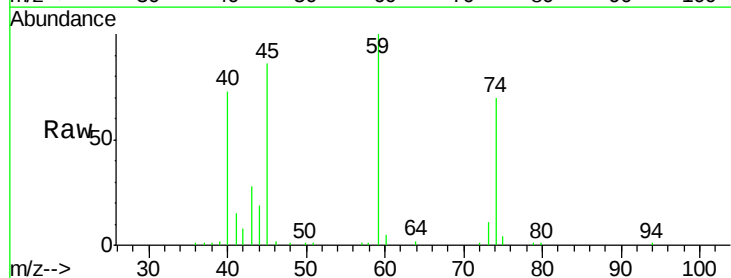
MMDadoda
 3/25/2019 10:23:49 AM

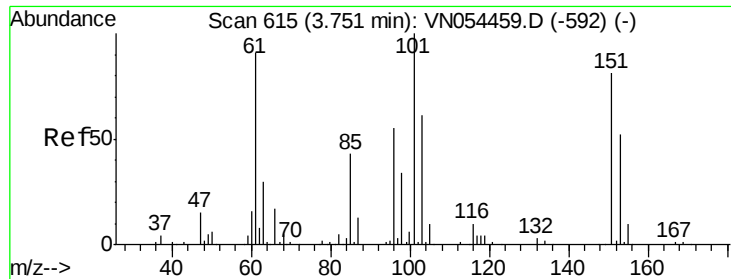


#8

Diethyl Ether
 Concen: 18.525 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.9	43.1	129.4





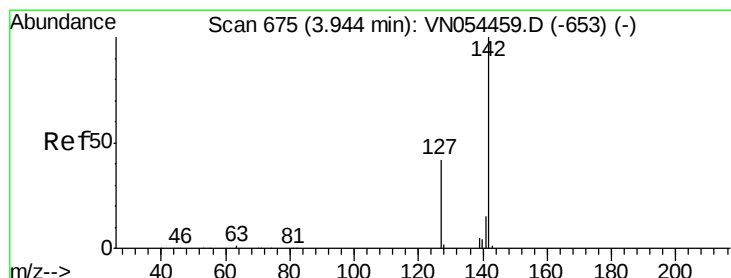
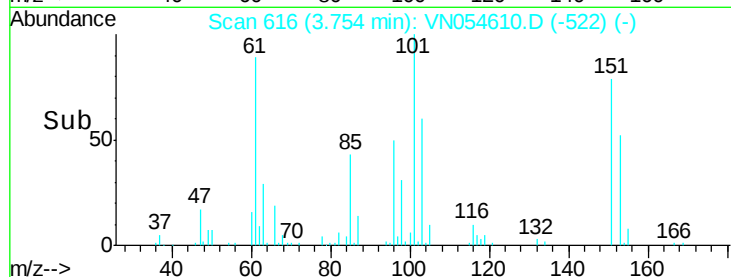
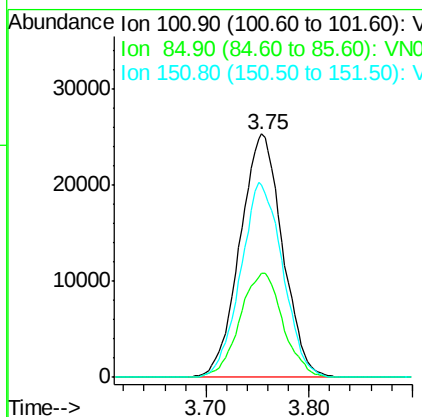
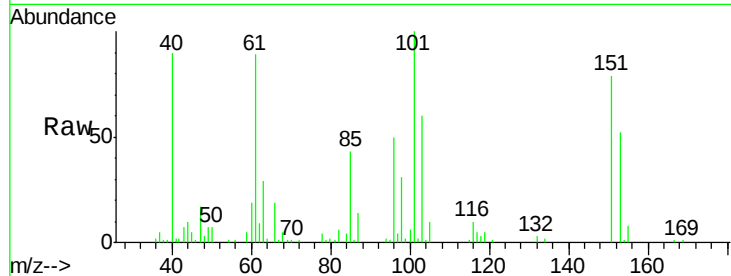
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.769 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	32.4	48.6
151	79.1	68.2	102.2

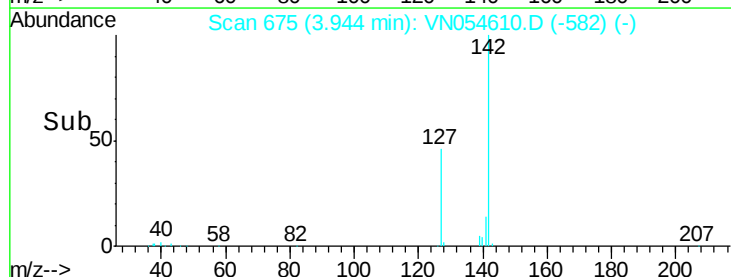
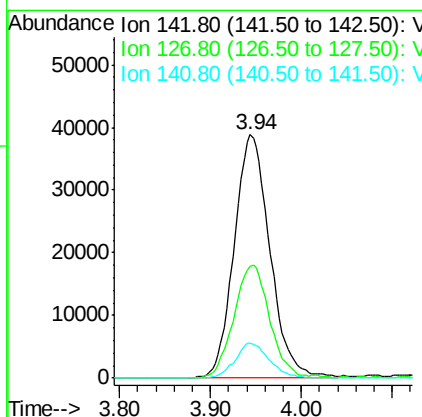
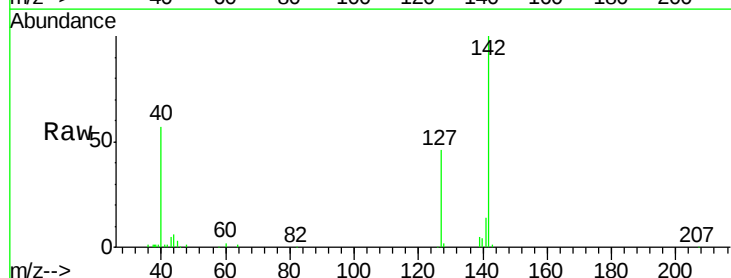
Manual Integrations
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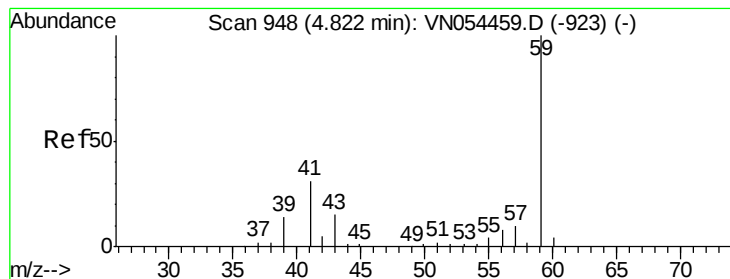
MMDadoda
3/25/2019 10:23:49 AM



#10
Methyl Iodide
Concen: 18.668 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.4	30.3	45.5#
141	13.7	11.2	16.8





#11

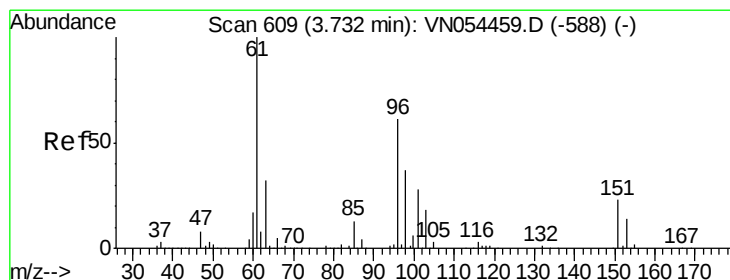
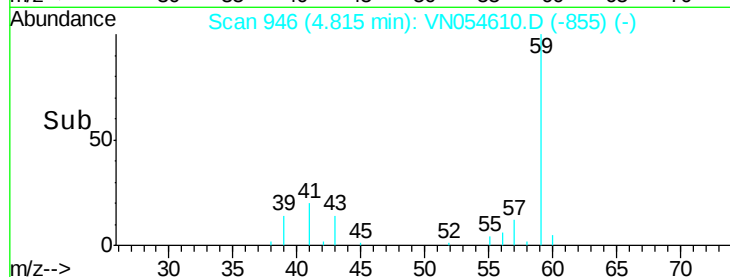
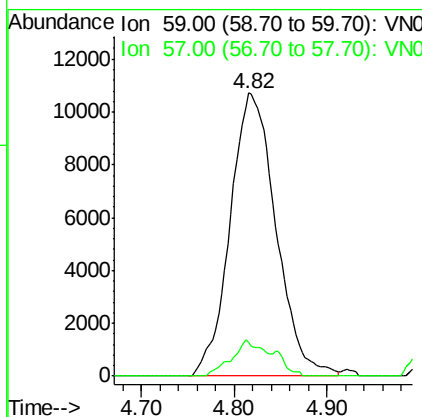
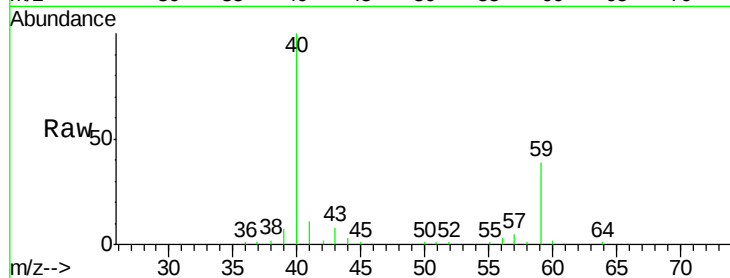
Tert butyl alcohol
 Concen: 117.602 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	9.0	13.6#

Manual Integrations
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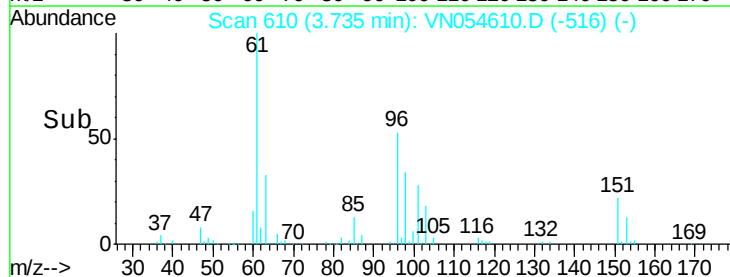
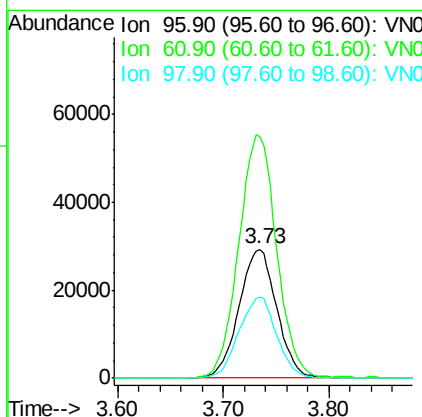
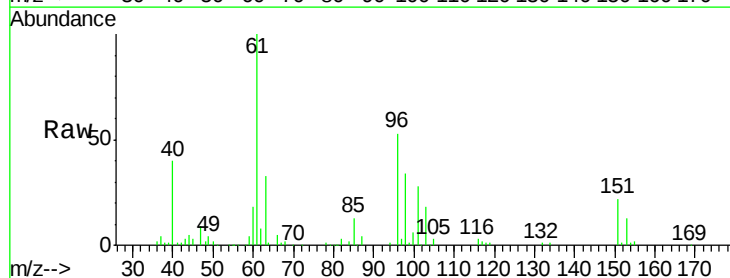
MMDadoda
 3/25/2019 10:23:49 AM

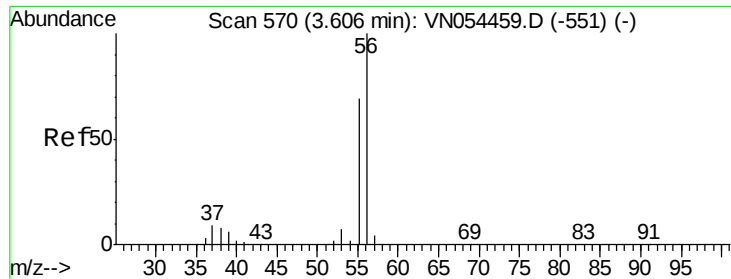


#12

1,1-Dichloroethene
 Concen: 18.239 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.0	116.5	174.7#
98	63.5	51.0	76.4





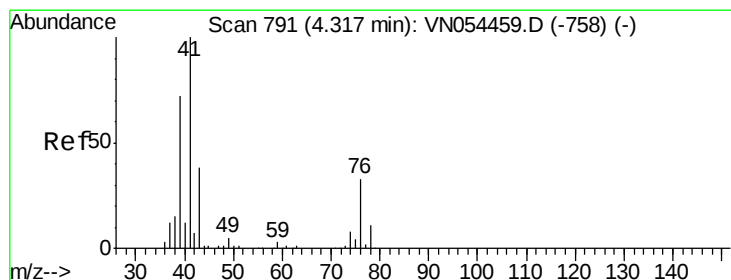
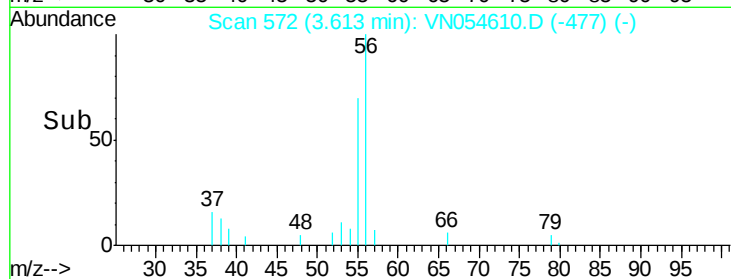
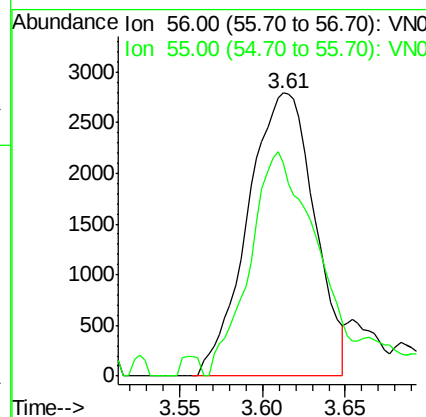
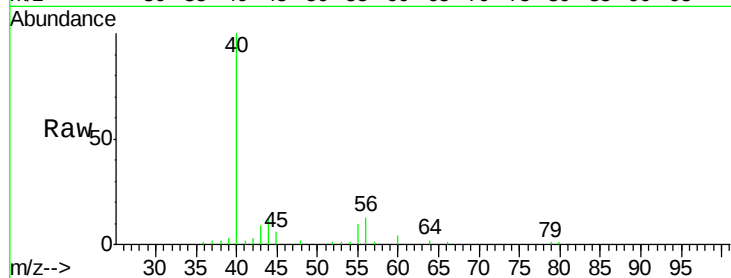
#13
 Acrolein
 Concen: 18.168 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	56	55	Ratio	100	79.4	Resp	7823	Lower	56.7	Upper	85.1

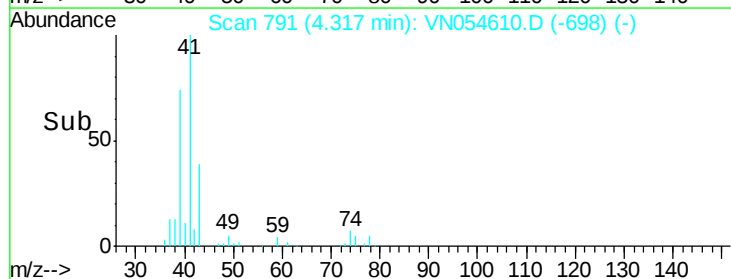
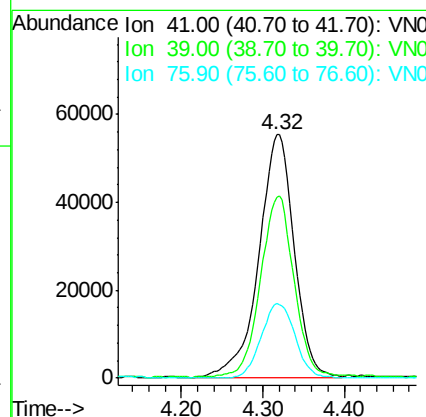
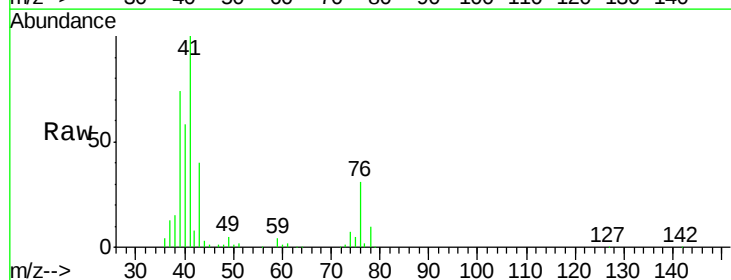
Manual Integrations
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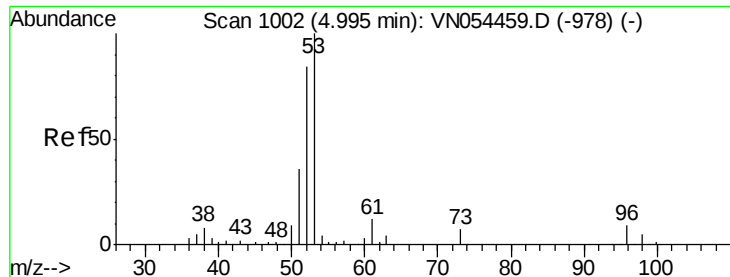
MMDadoda
 3/25/2019 10:23:49 AM



#14
 Allyl chloride
 Concen: 22.330 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	41	39	76	Ratio	100	69.8	29.2	Resp	168049	Lower	58.2	31.7	Upper	87.4	47.5#





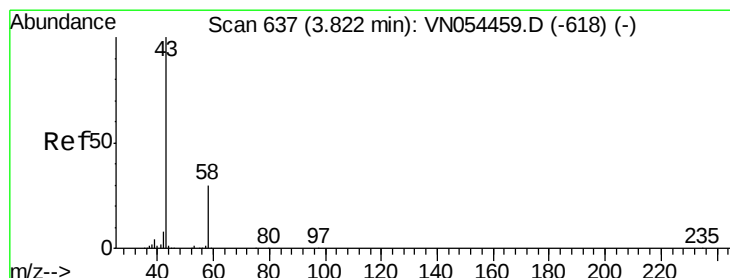
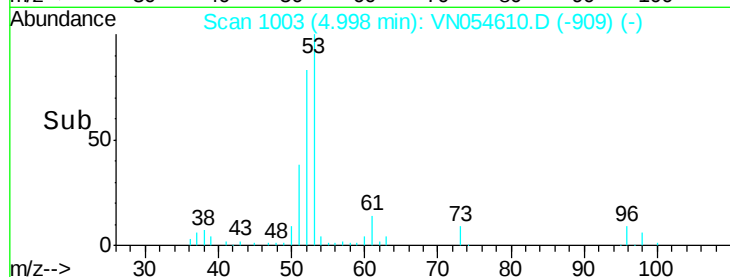
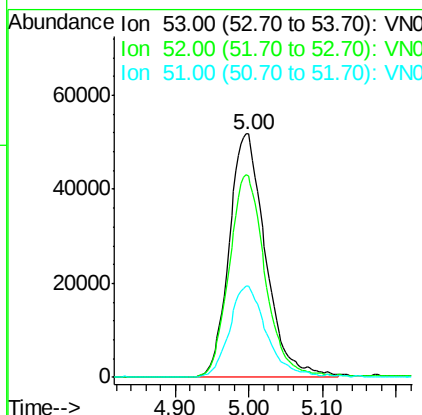
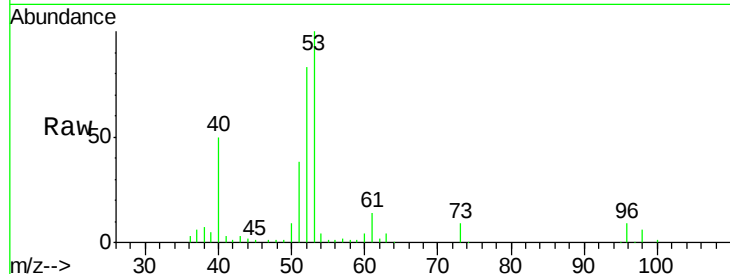
#15
 Acrylonitrile
 Concen: 114.465 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	38.3	29.6	44.4

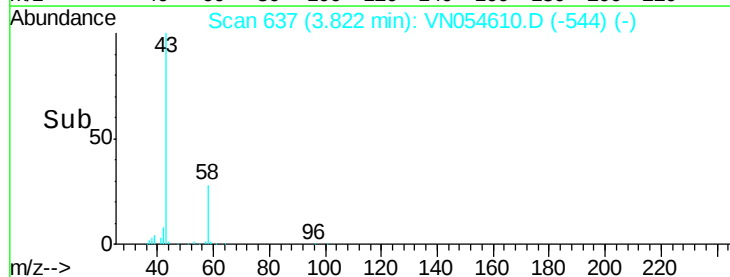
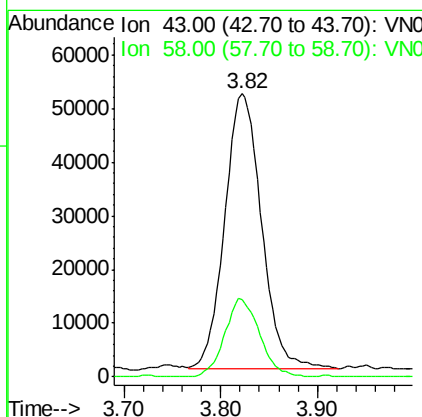
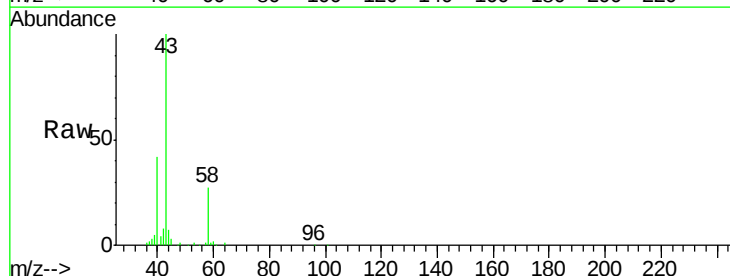
Manual Integrations
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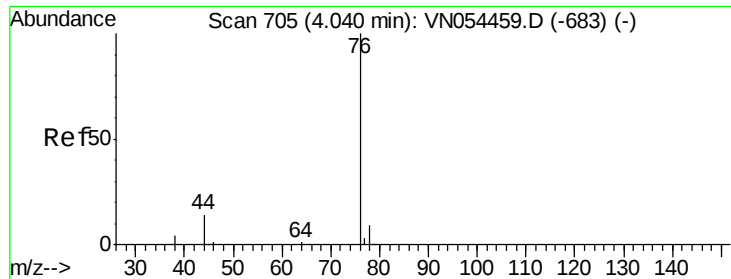
MMDadoda
 3/25/2019 10:23:49 AM



#16
 Acetone
 Concen: 87.193 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	29.9	44.9#





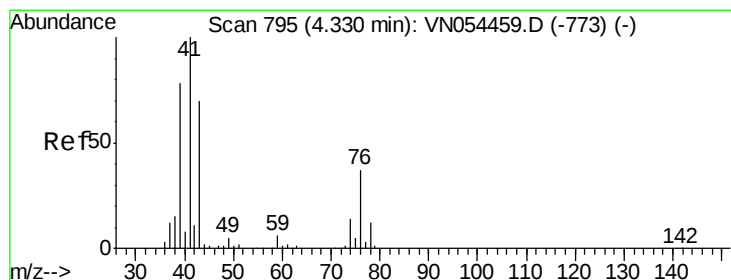
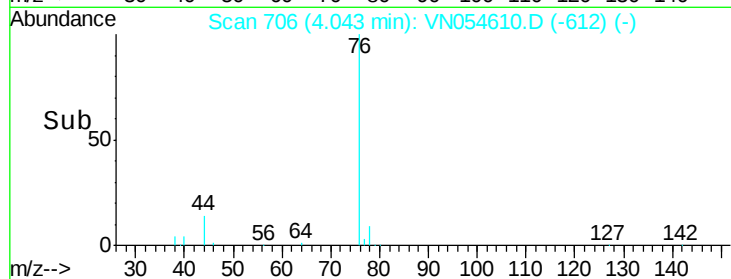
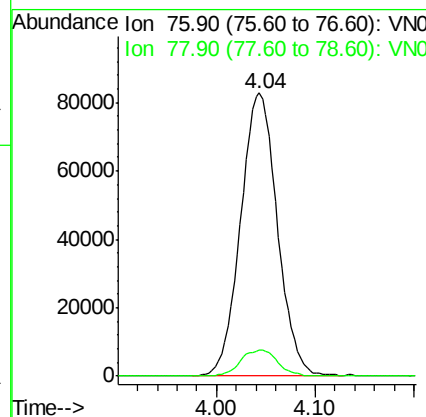
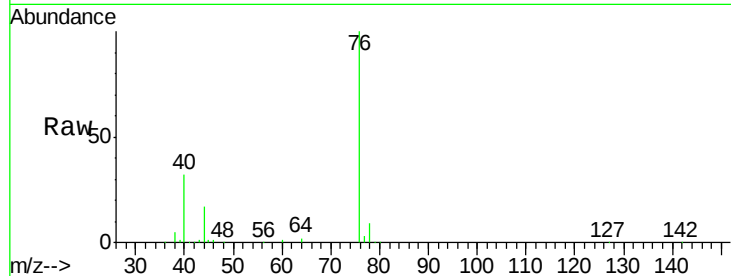
#17
Carbon Disulfide
Concen: 19.948 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

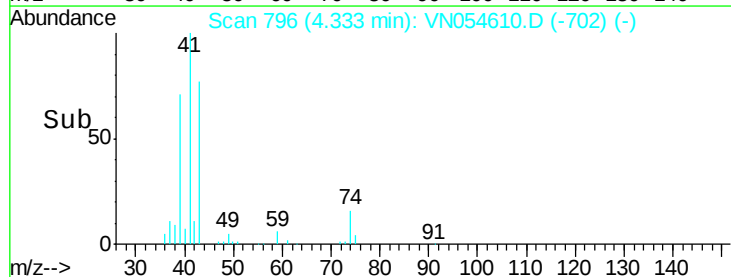
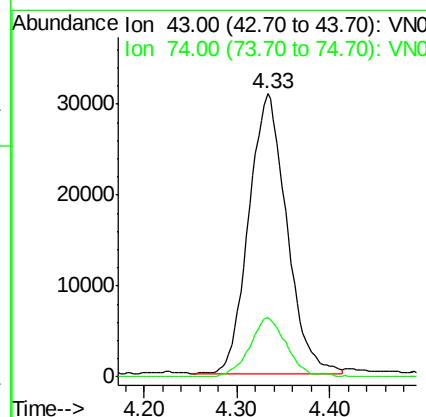
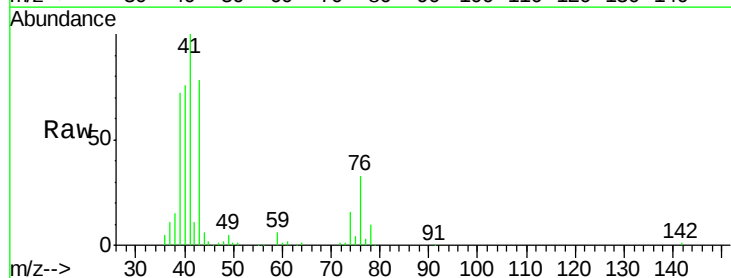
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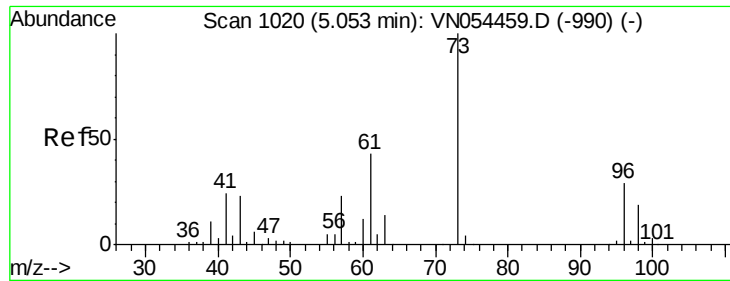
MMDadoda
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#18
Methyl Acetate
Concen: 25.364 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	20.8	31.2#





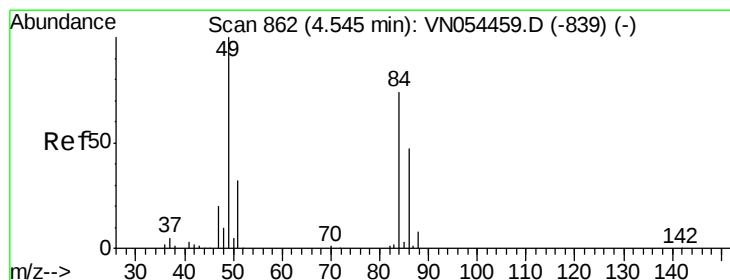
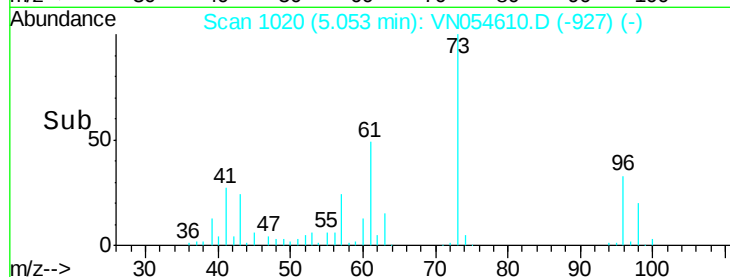
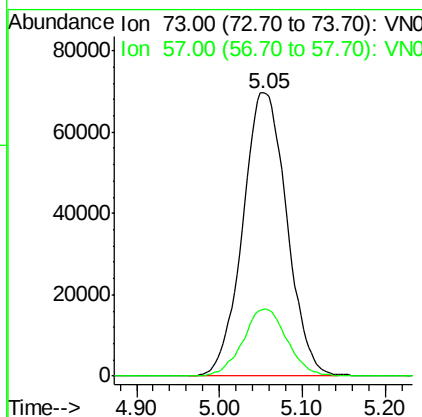
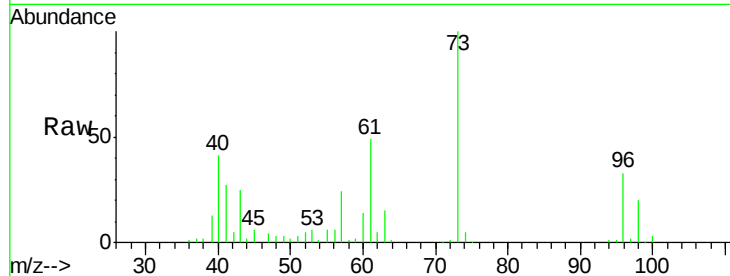
#19
Methvl tert-butvl Ether
Concen: 22.098 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion: 73 Resp: 257742
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2

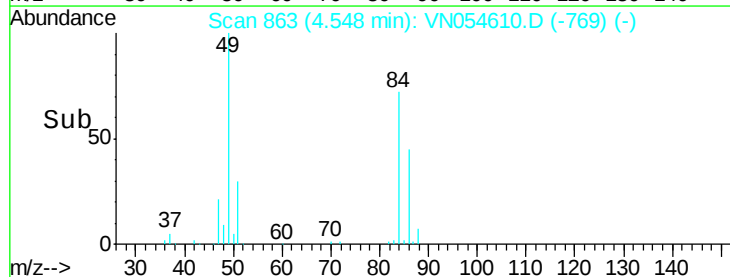
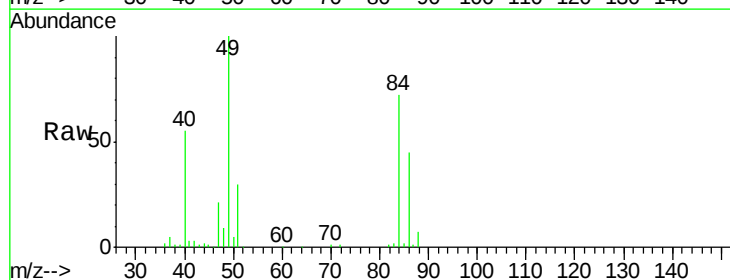
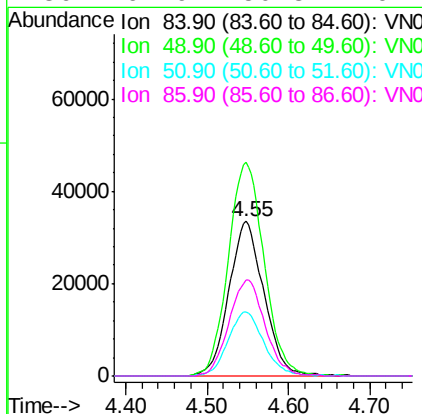
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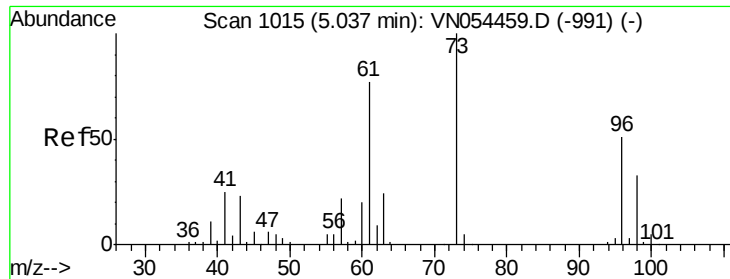
MMDadoda
3/25/2019 10:23:49 AM



#20
Methylene Chloride
Concen: 21.906 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 84 Resp: 100060
Ion Ratio Lower Upper
84 100
49 138.1 89.7 134.5#
51 41.8 28.2 42.4
86 61.9 50.8 76.2





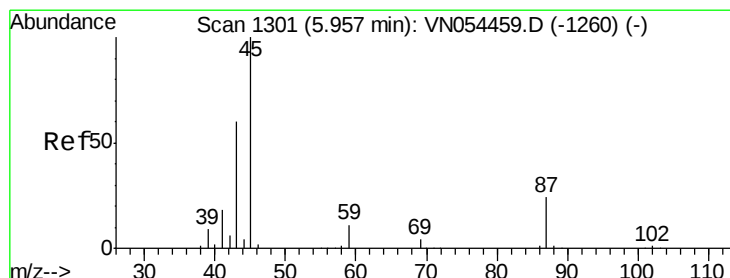
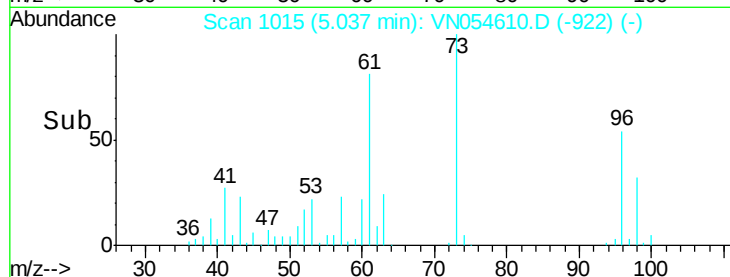
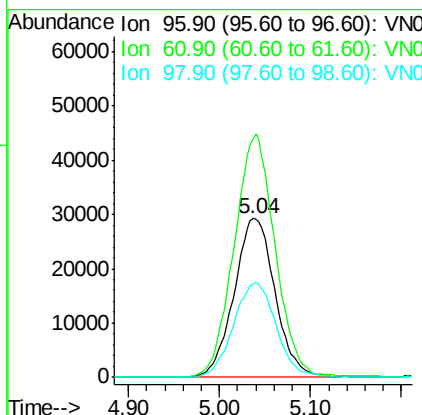
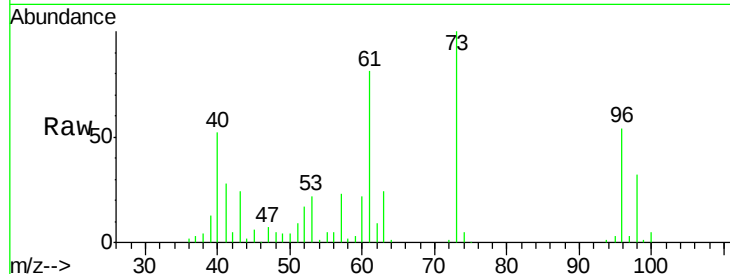
#21
trans-1,2-Dichloroethene
Concen: 22.422 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	102.8	154.2
98	58.9	50.0	75.0

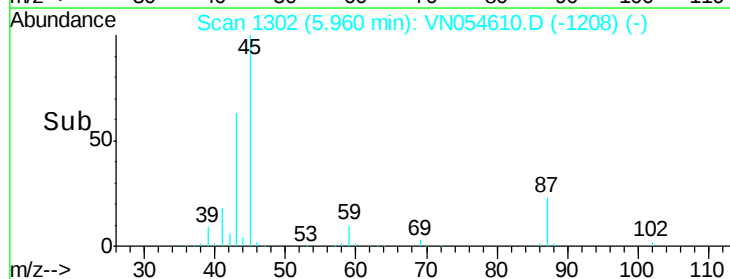
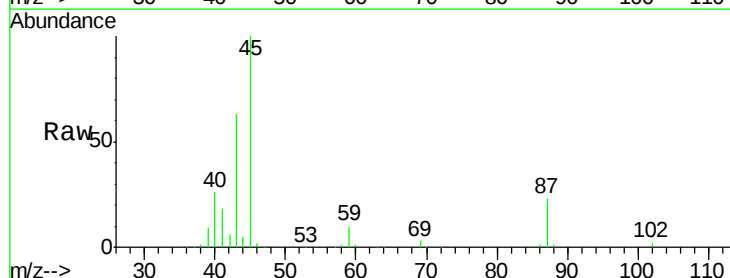
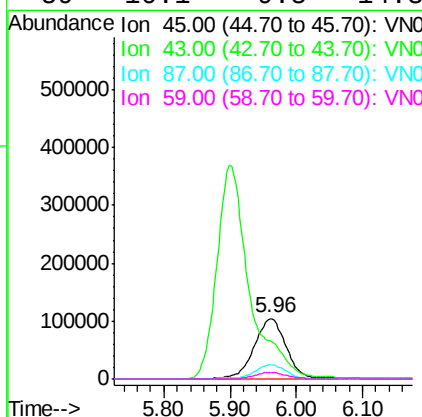
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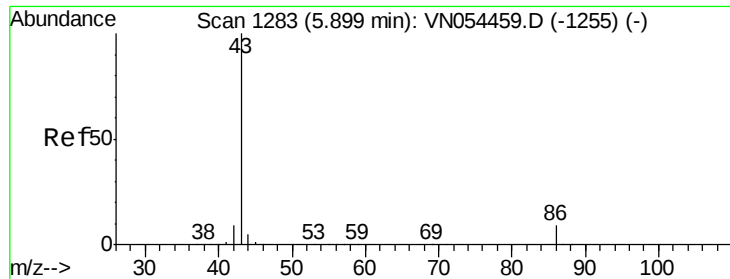
MMDadoda
3/25/2019 10:23:49 AM



#22
Diisopropyl ether
Concen: 23.457 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.2	72.2
87	22.8	24.9	37.3
59	10.1	9.5	14.3





#23

Vinyl Acetate

Concen: 120.370 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 43 Resp: 1261979

Ion Ratio Lower Upper

43 100

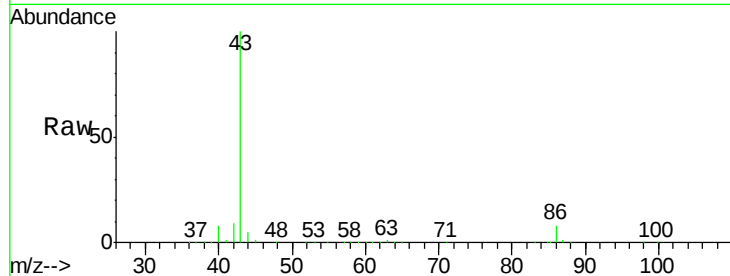
86 8.5 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

400000

300000

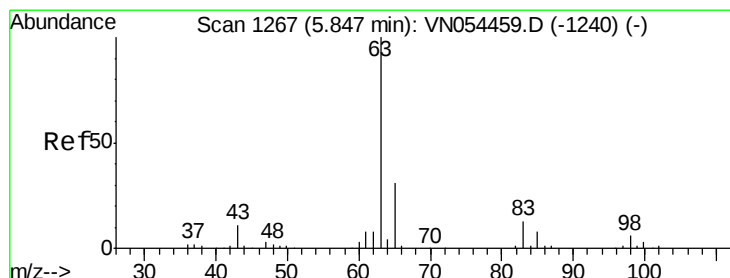
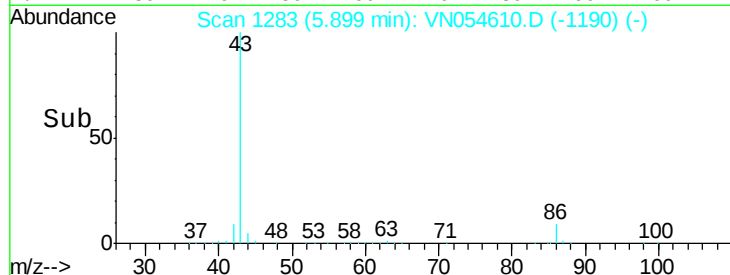
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 23.290 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

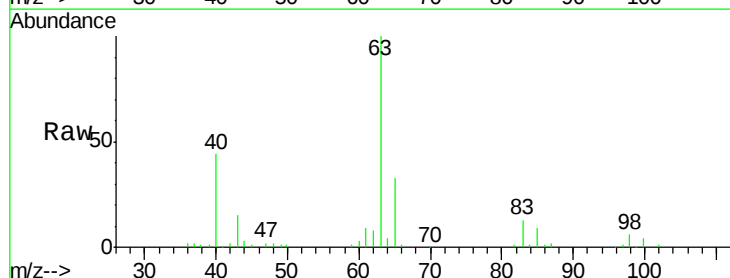
Tgt Ion: 63 Resp: 186153

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

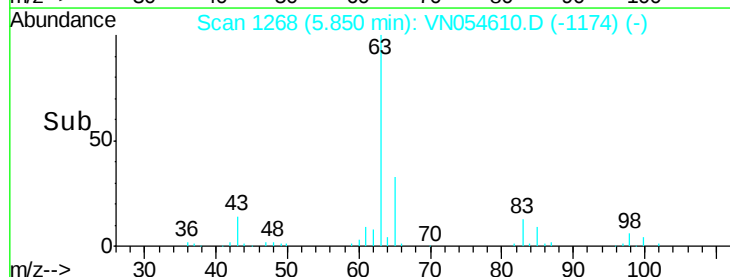
40000

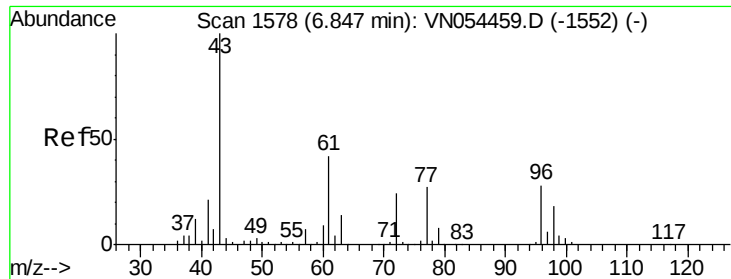
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 110.591 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 43 Resp: 219513

Ion Ratio Lower Upper

43 100

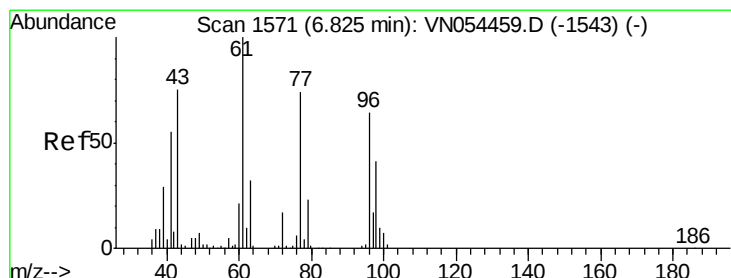
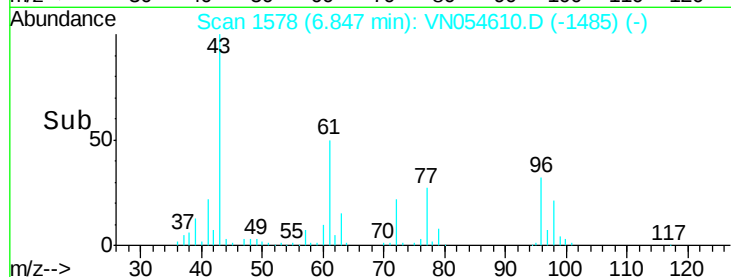
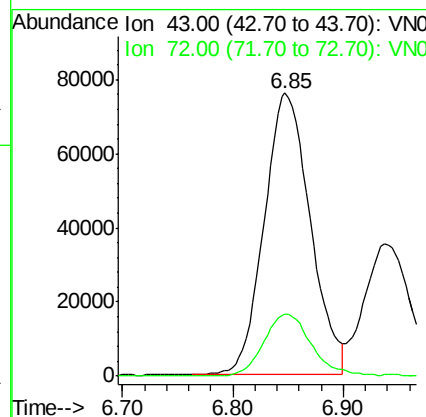
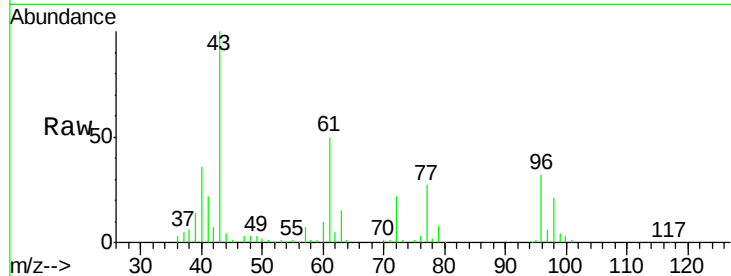
72 22.0 23.0 34.6#

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.310 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054610.D

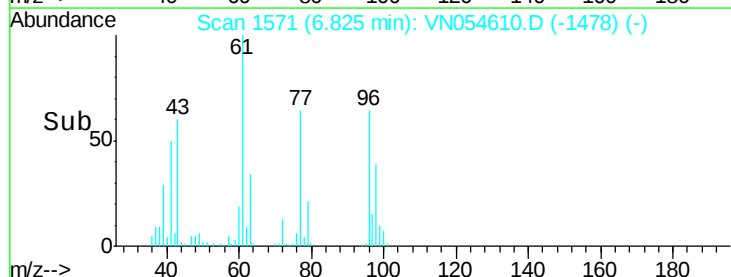
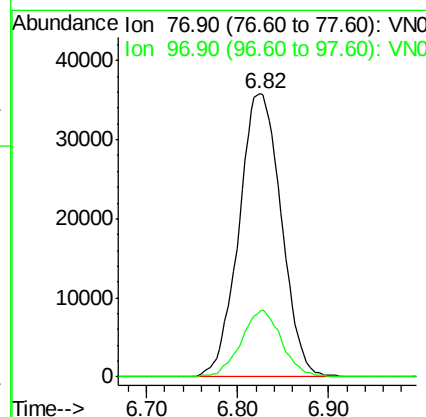
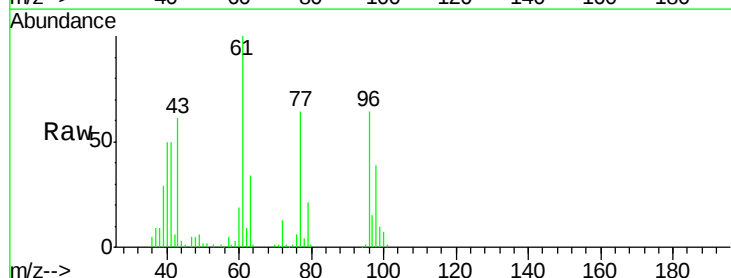
Acq: 23 Mar 2019 17:49

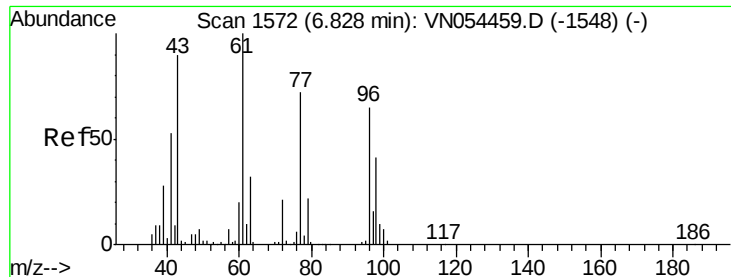
Tgt Ion: 77 Resp: 115719

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.990 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

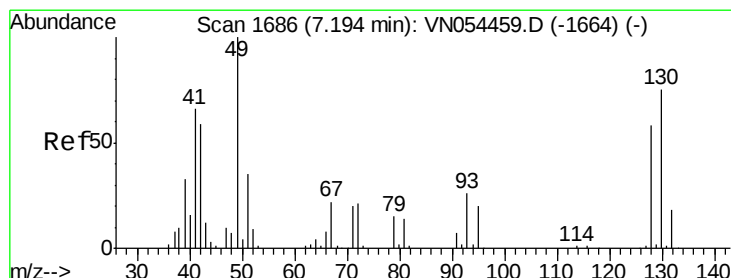
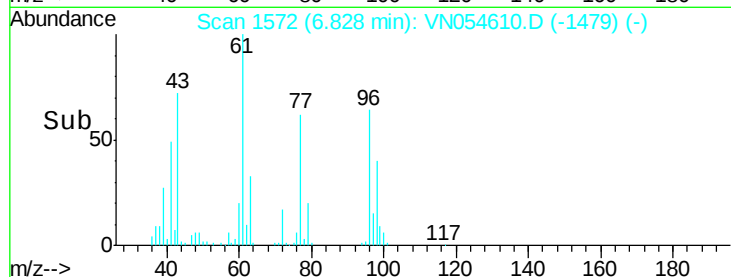
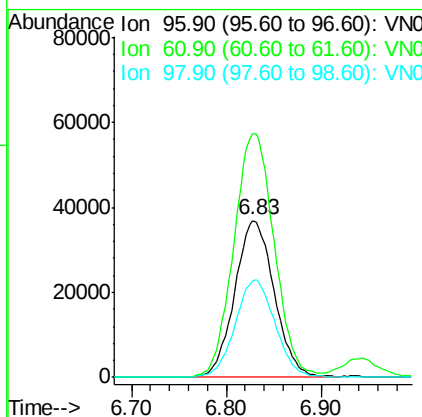
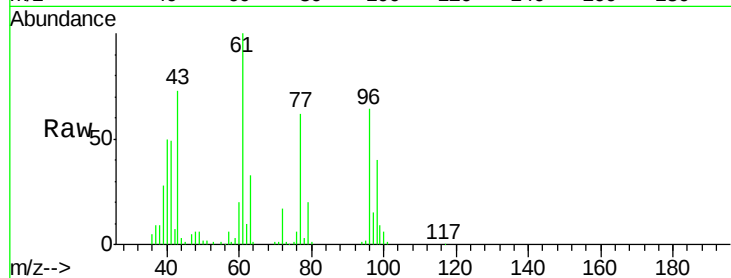
ClientSampleId :

VN0323WBSD01

Tot Ion:	96	Resp:	107038
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	273.0
98	62.8	0.0	130.6

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#28

Bromochloromethane

Concen: 22.985 ug/l

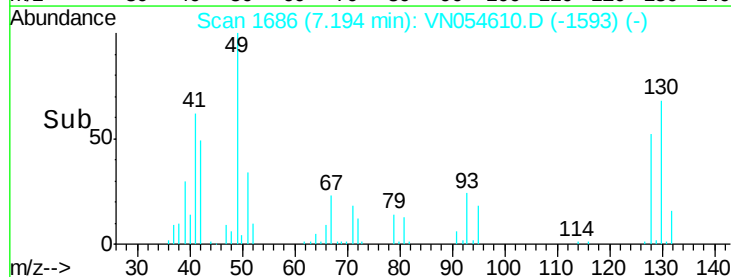
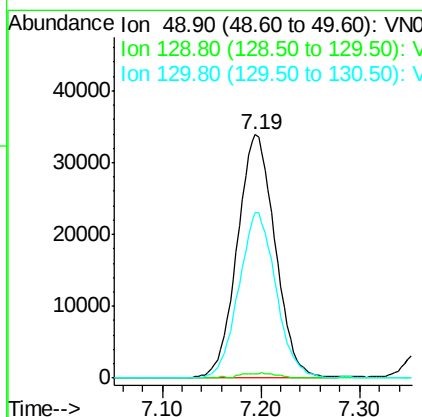
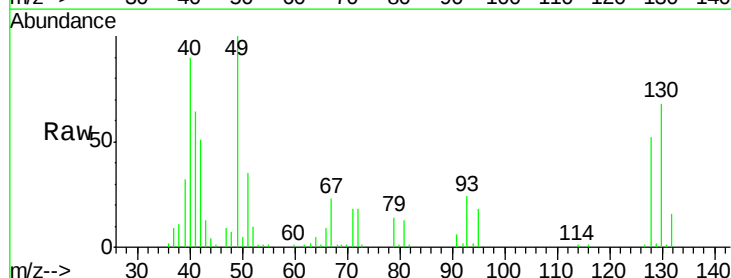
RT: 7.19 min Scan# 1686

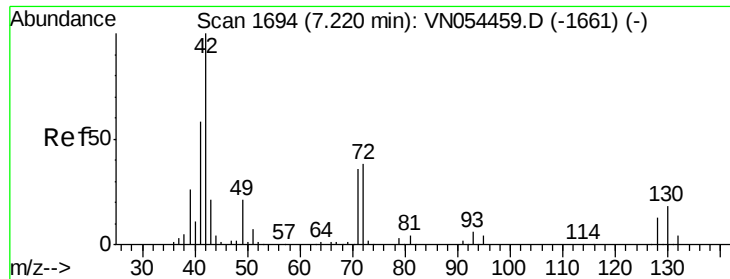
Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion:	49	Resp:	90427
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	66.3	76.7	115.1#





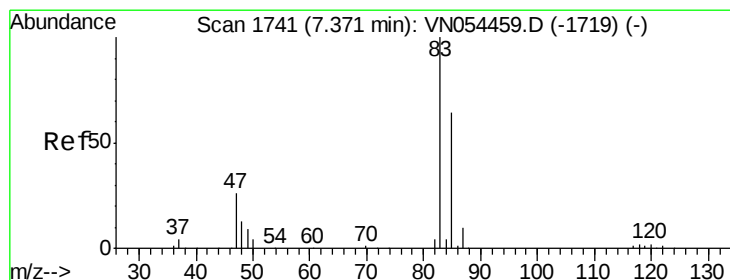
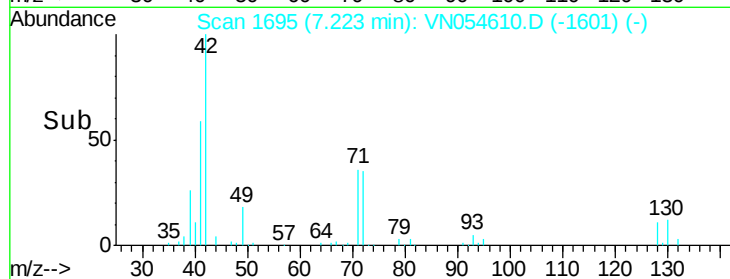
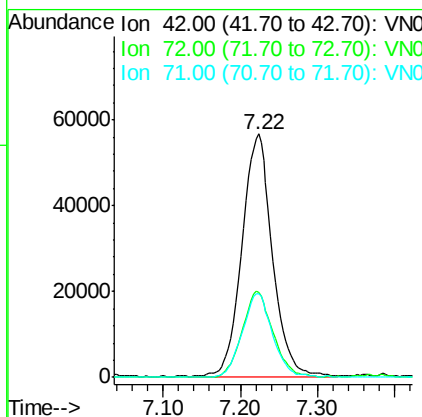
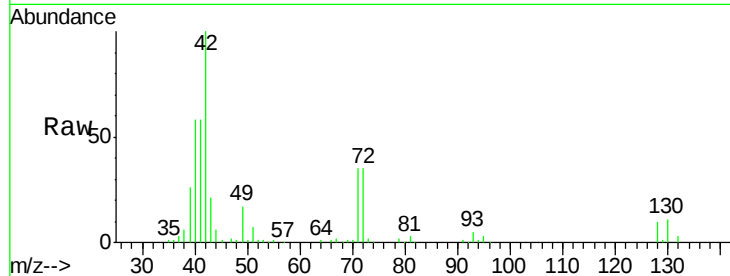
#29
Tetrahydrofuran
Concen: 119.929 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	37.8	56.6#
71	34.4	36.2	54.2#

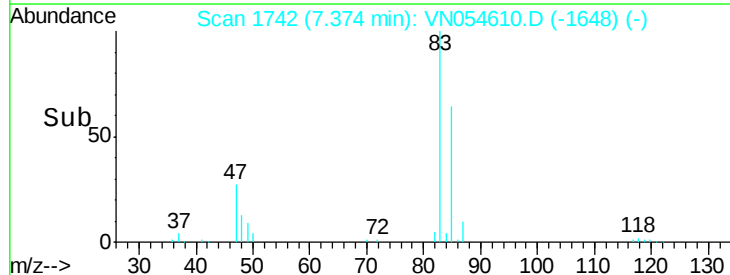
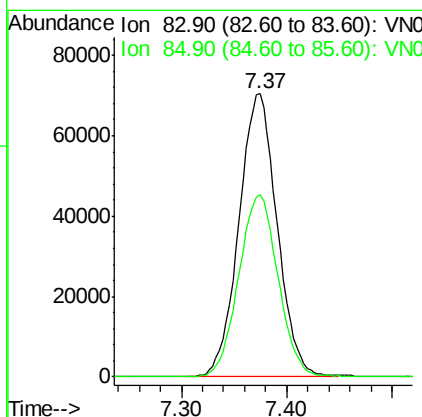
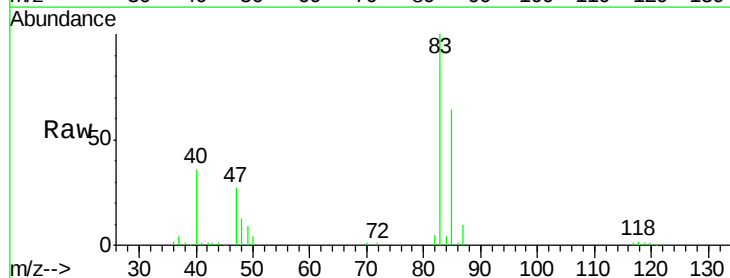
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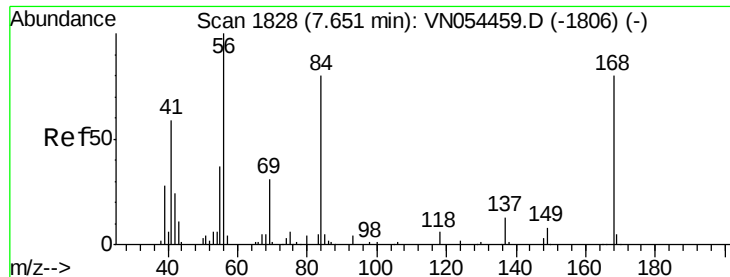
MMDadoda
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#30
Chloroform
Concen: 22.755 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





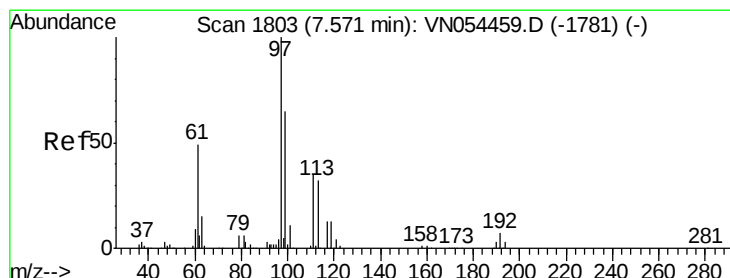
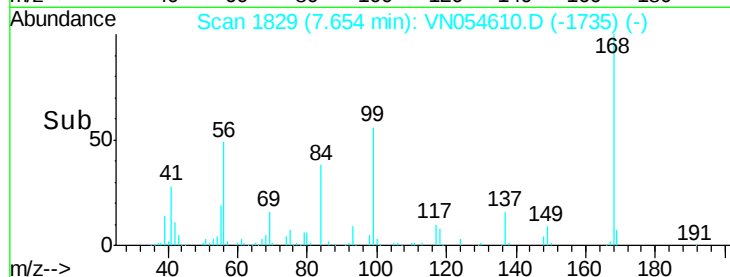
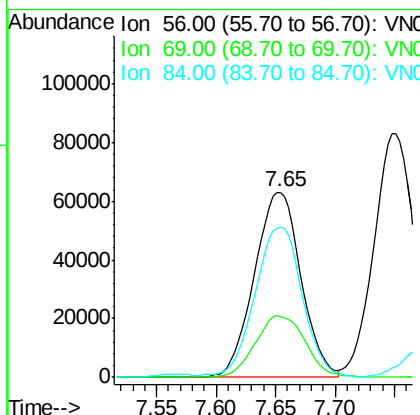
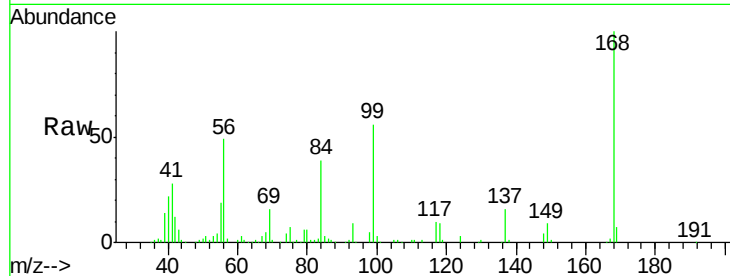
#31
Cyclohexane
Concen: 21.226 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	27.8	41.6
84	79.4	74.6	111.8

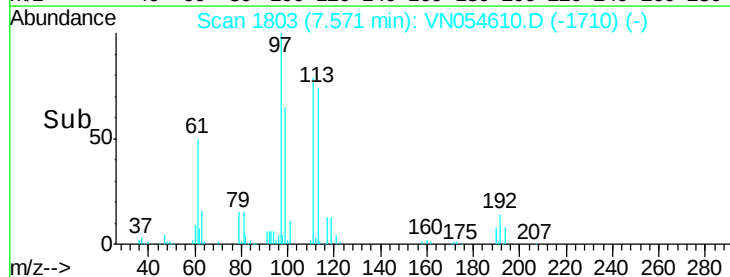
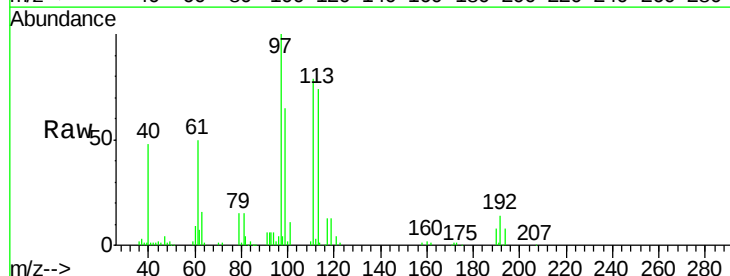
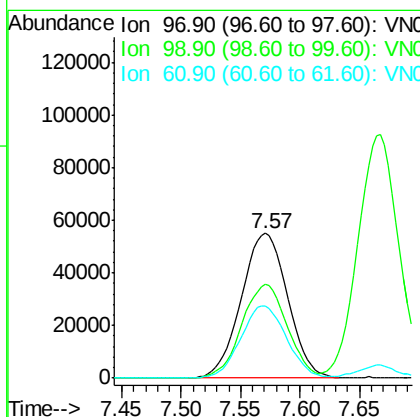
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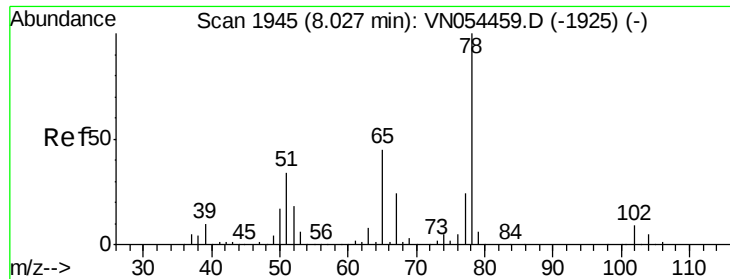
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#32
1,1,1-Trichloroethane
Concen: 23.109 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	49.3	33.6	50.4





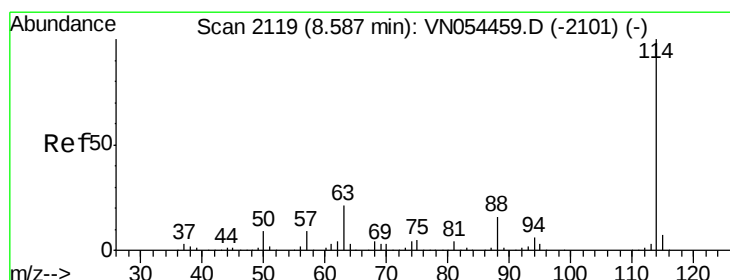
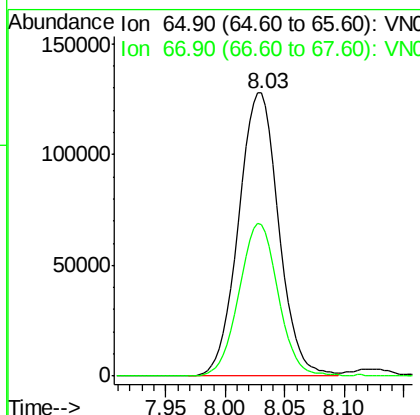
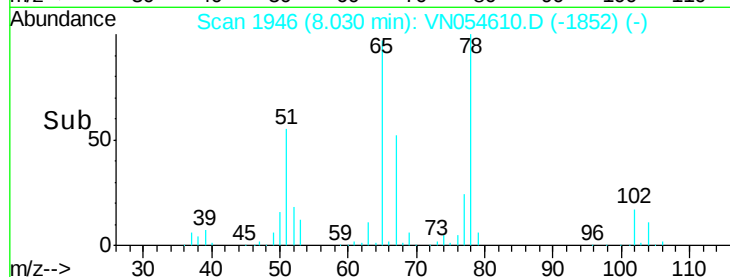
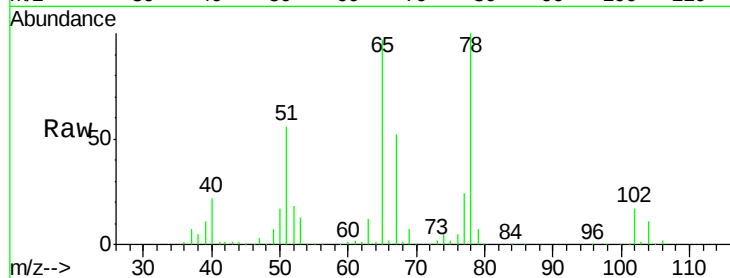
#33
 1,2-Dichloroethane-d4
 Concen: 58.159 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	299742		
67	52.5	0.0	104.6	

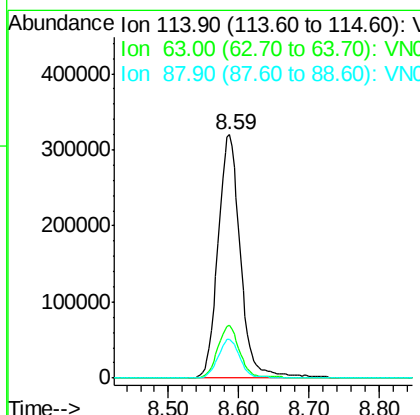
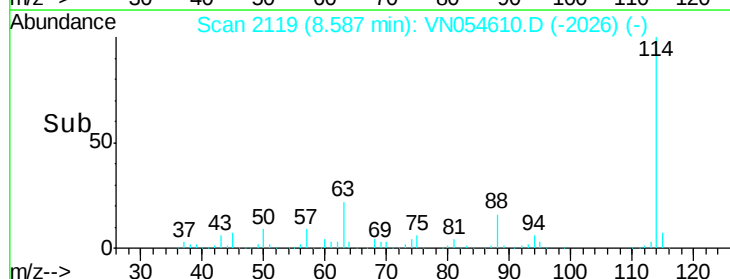
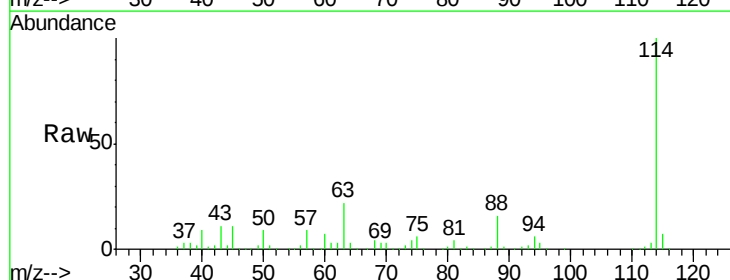
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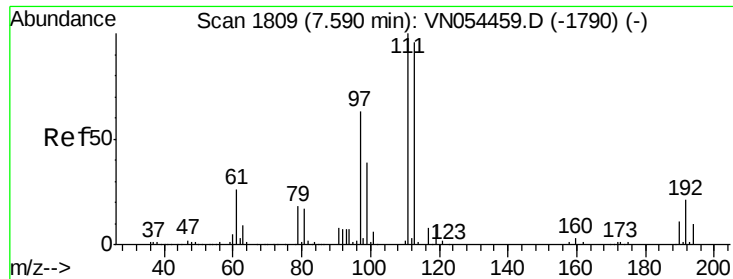
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	707619		
63	21.6	0.0	35.2	
88	15.9	0.0	30.2	





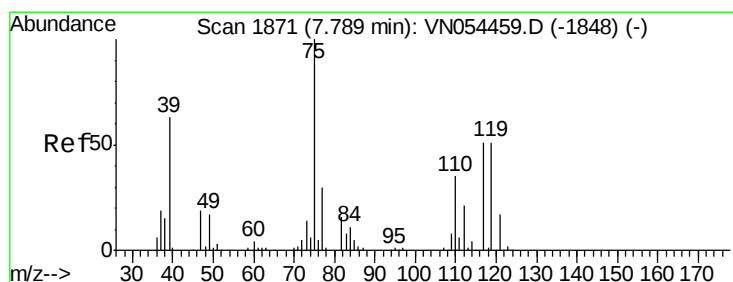
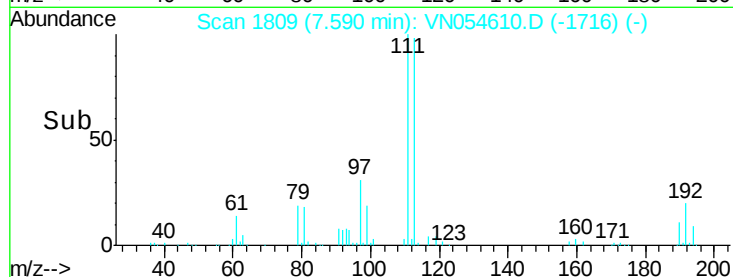
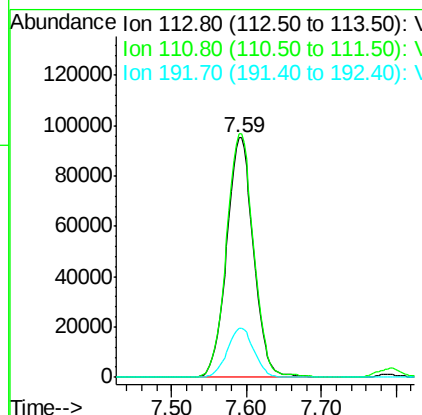
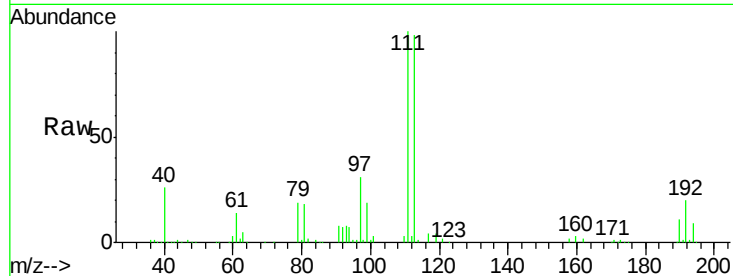
#35
Dibromofluoromethane
Concen: 51.744 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.2	123.4	
192	20.6	19.2	28.8	

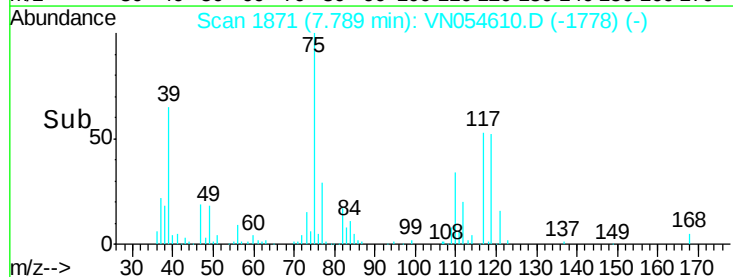
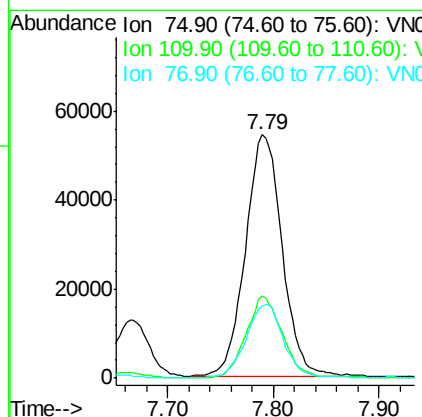
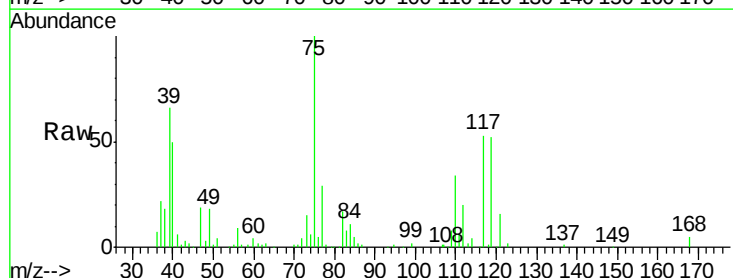
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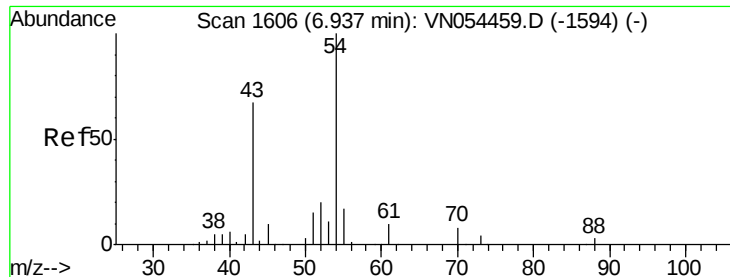
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#36
1,1-Dichloropropene
Concen: 19.873 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.5	19.1	57.5	
77	31.0	25.0	37.4	





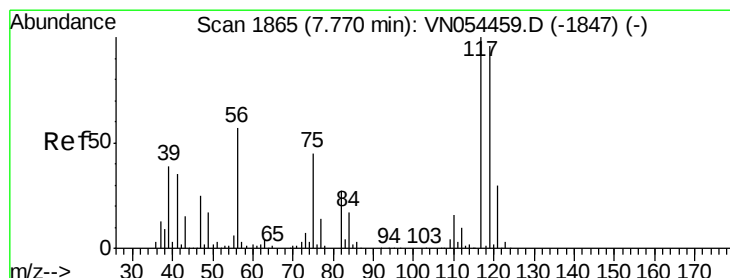
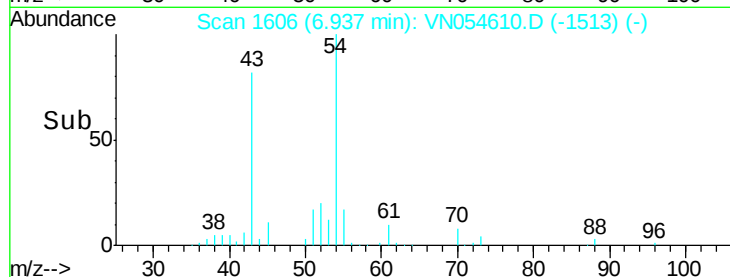
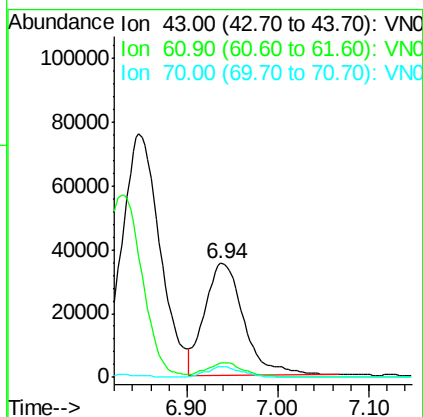
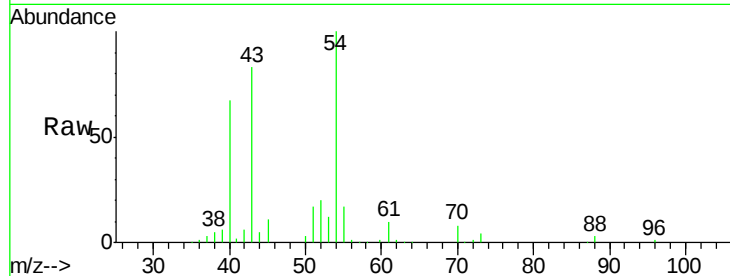
#37
Ethyl Acetate
Concen: 22.363 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	11.8	17.6#
70	8.6	8.4	12.6

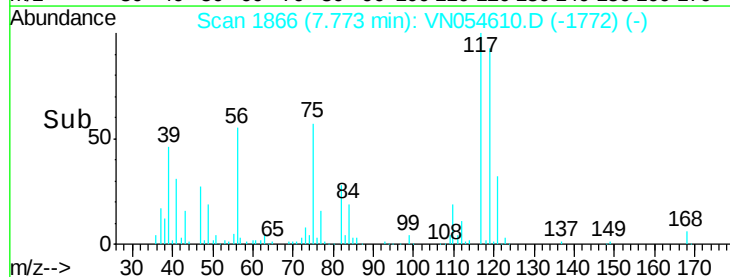
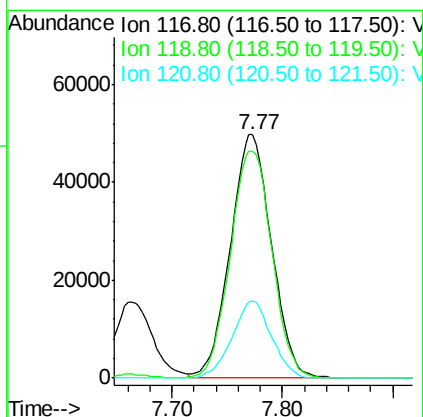
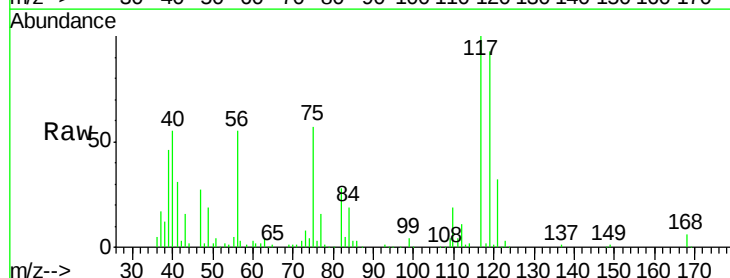
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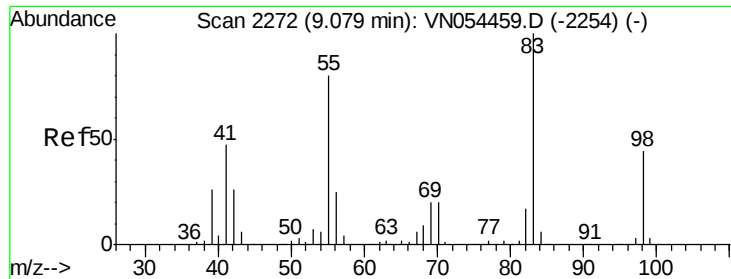
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#38
Carbon Tetrachloride
Concen: 20.012 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.3	114.5
121	31.7	24.6	36.8





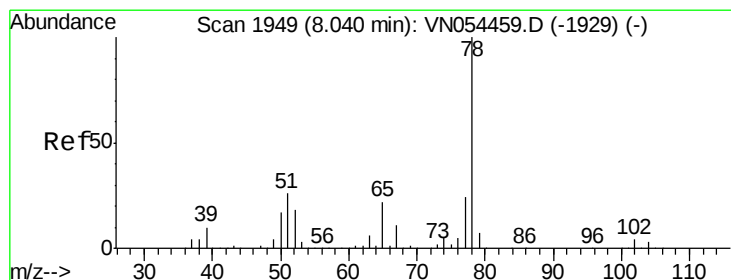
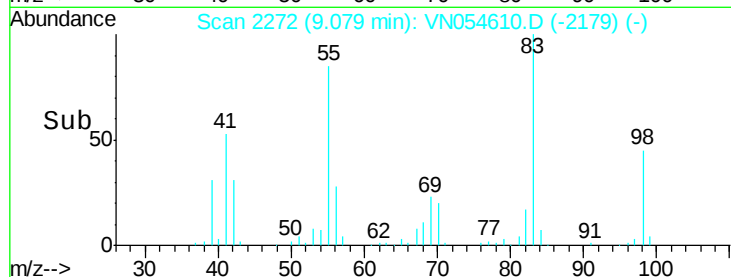
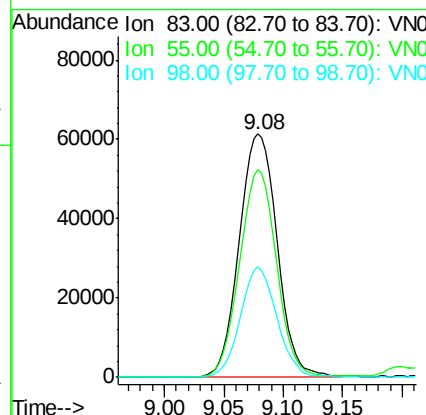
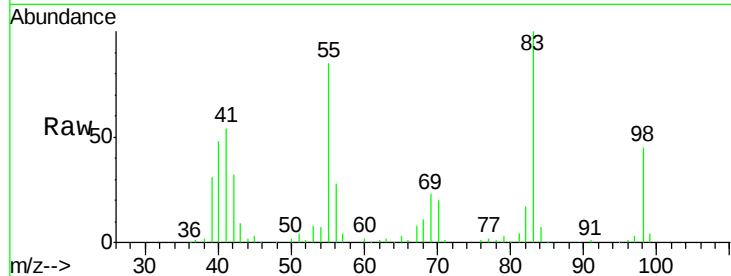
#39
Methvlcvclohexane
Concen: 17.974 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	83.00	Resp	136034
Ion Ratio	Lower	Upper	
83	100		
55	85.2	56.6	84.8#
98	45.2	38.4	57.6

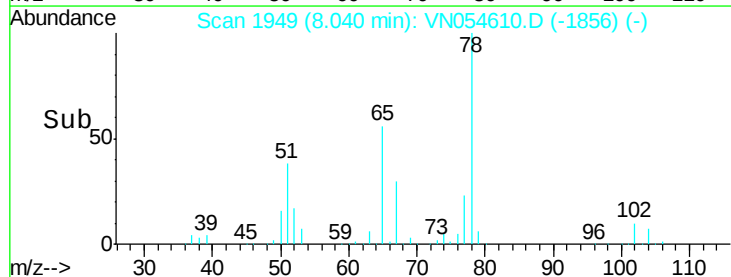
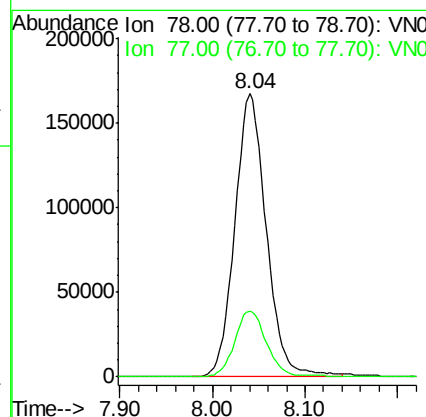
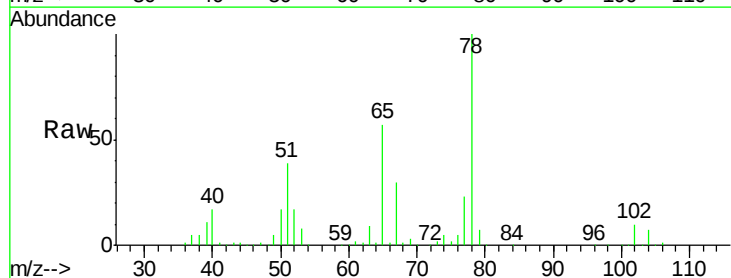
Manual Integrations
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#40
Benzene
Concen: 20.853 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	78.00	Resp	394524
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.1	28.7





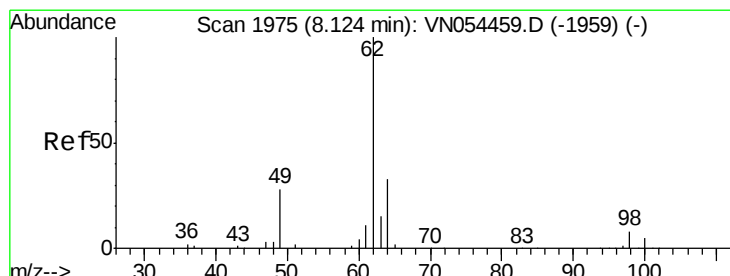
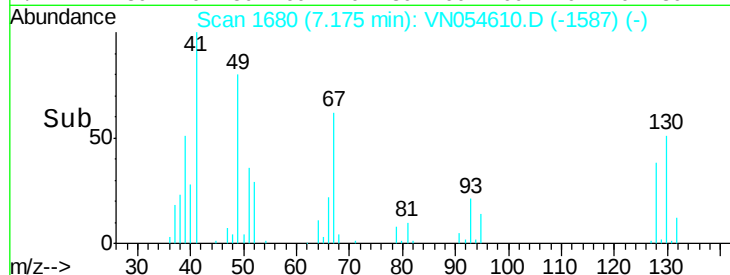
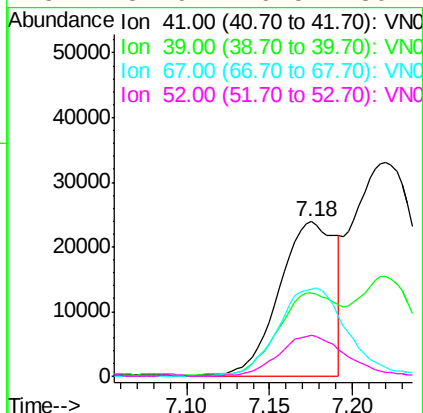
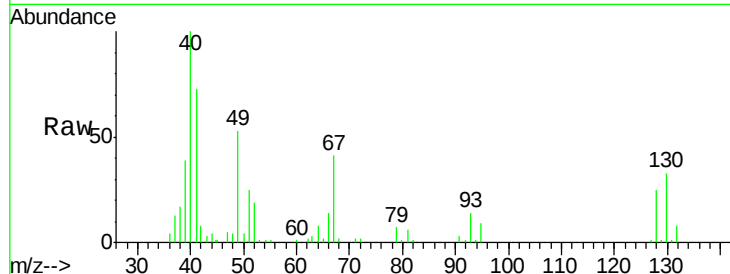
#41
Methacrylonitrile
Concen: 19.526 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion:	41	Resp:	56035
Ion	Ratio	Lower	Upper
41	100		
39	59.4	46.8	70.2
67	70.6	67.0	100.4
52	31.9	26.5	39.7

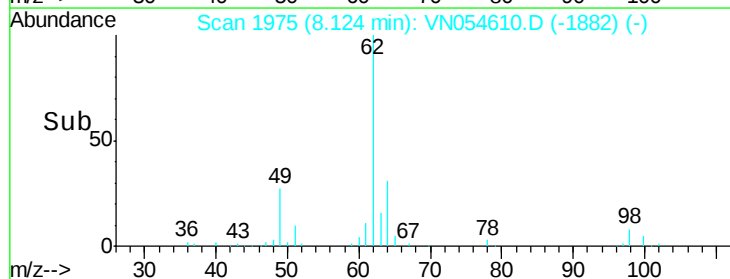
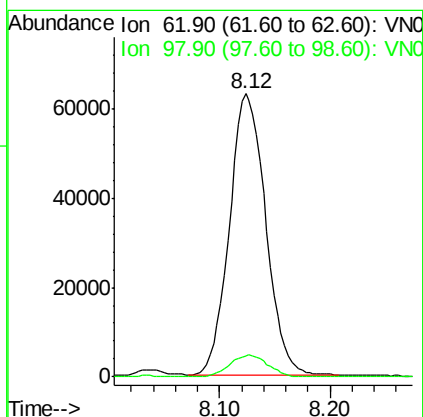
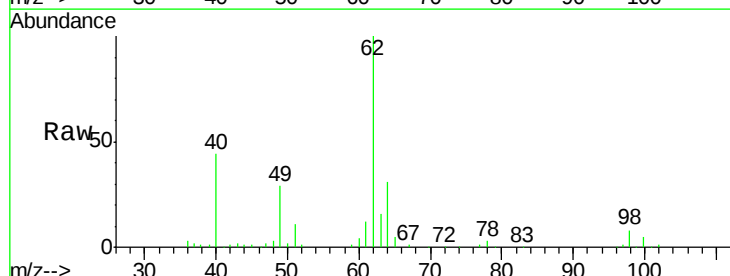
Manual Integrations
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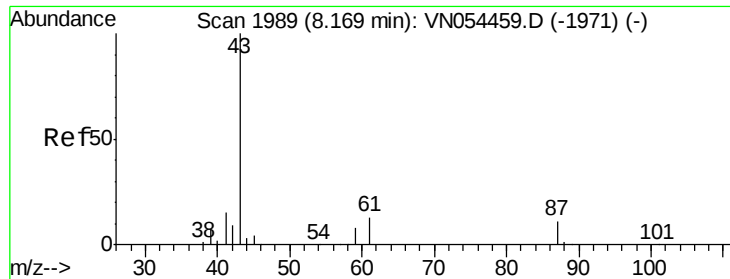
MMDadoda
3/25/2019 10:23:49 AM



#42
1,2-Dichloroethane
Concen: 20.896 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:	62	Resp:	143979
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 24.407 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

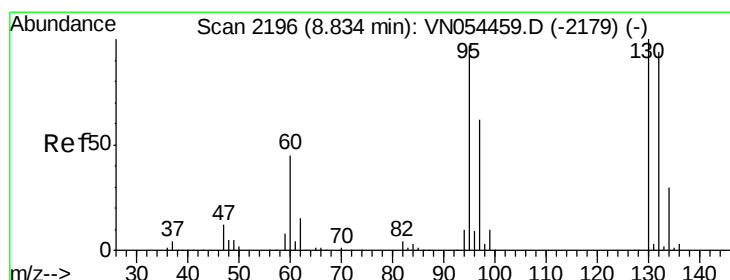
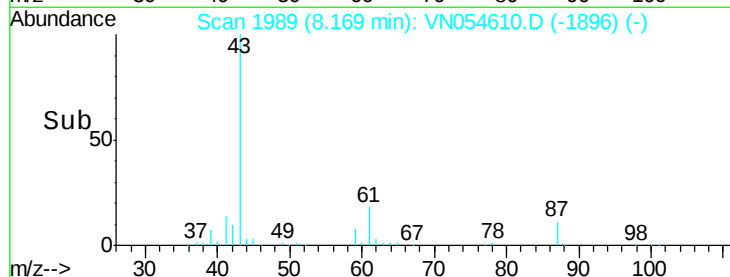
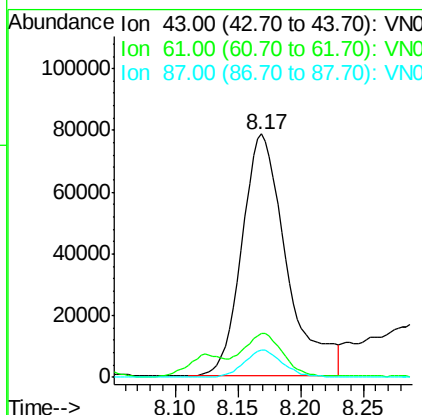
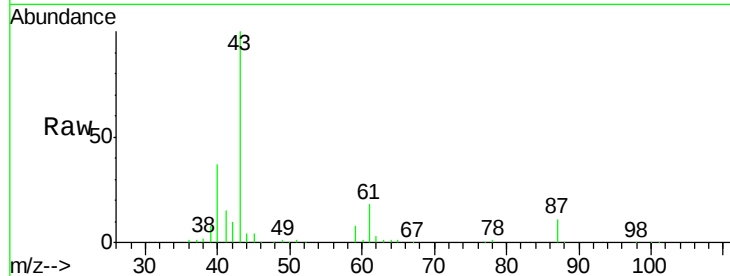
ClientSampled :

VN0323WBSD01

Tot Ion:	43	Resp:	193971
Ion	Ratio	Lower	Upper
43	100		
61	15.8	15.8	23.8#
87	9.9	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 19.462 ug/l

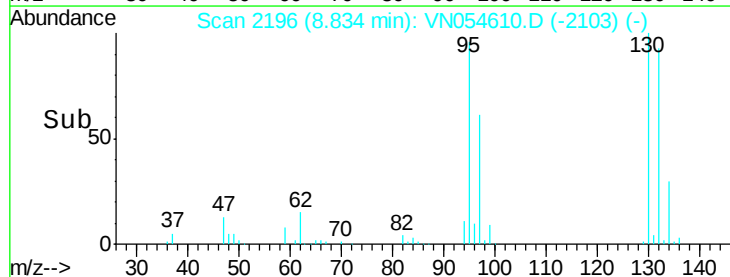
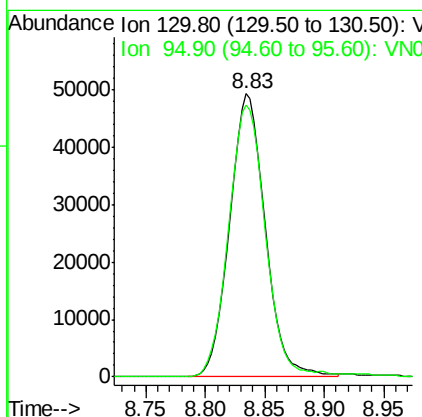
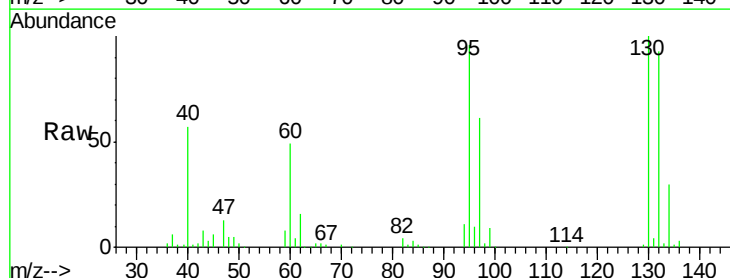
RT: 8.83 min Scan# 2196

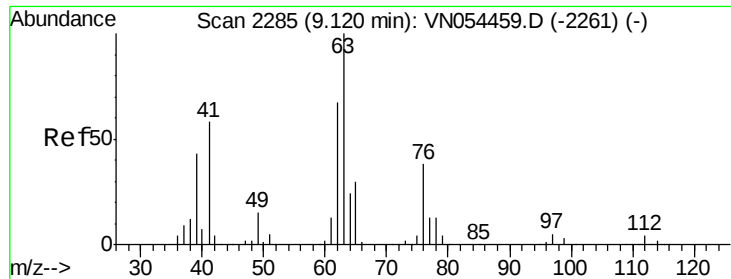
Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion:	130	Resp:	102372
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	185.2





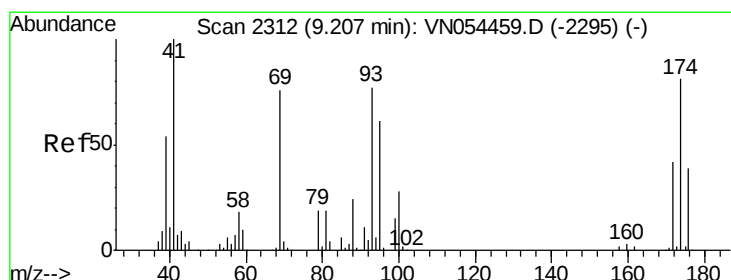
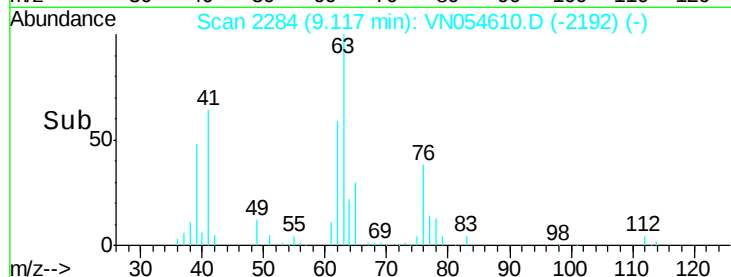
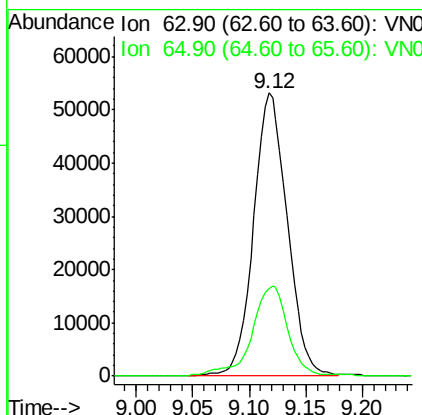
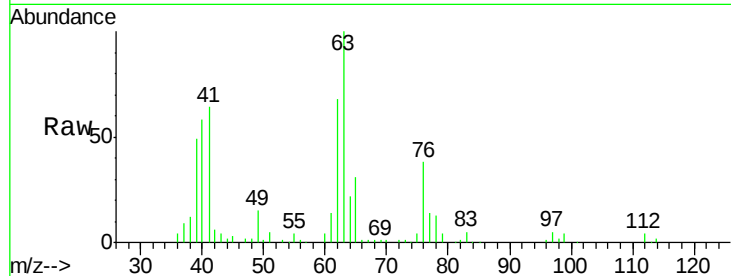
#45
 1,2-Dichloropropane
 Concen: 21.716 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion: 63 Resp: 110323
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

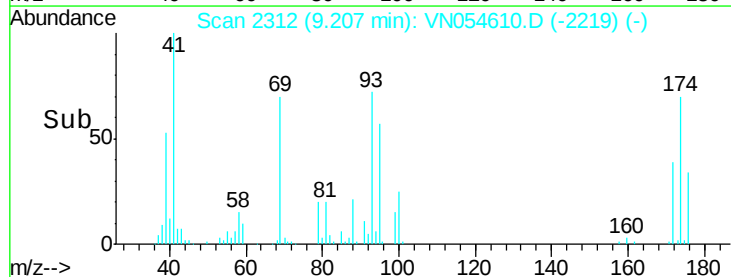
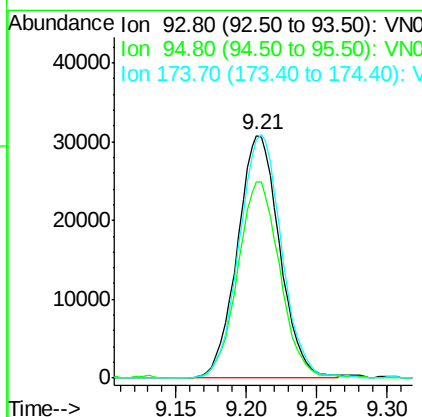
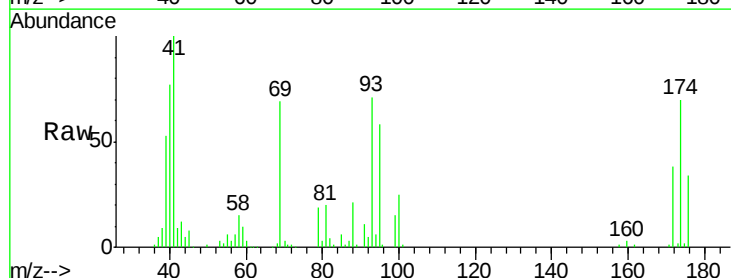
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#46
 Dibromomethane
 Concen: 21.309 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion: 93 Resp: 64583
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.7 100.1
 174 100.7 98.5 147.7





#47

Bromodichloromethane

Concen: 21.535 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

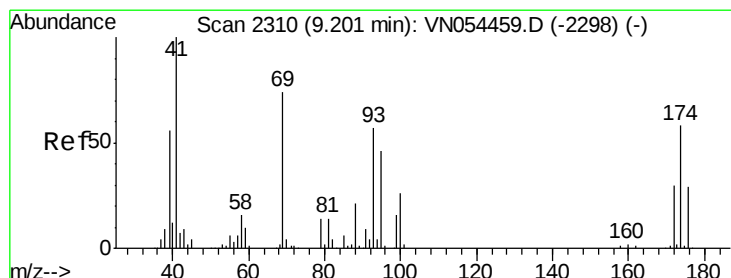
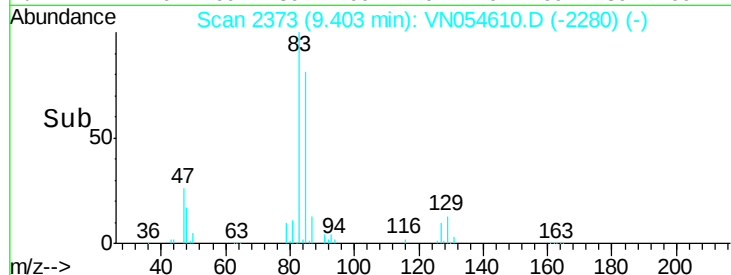
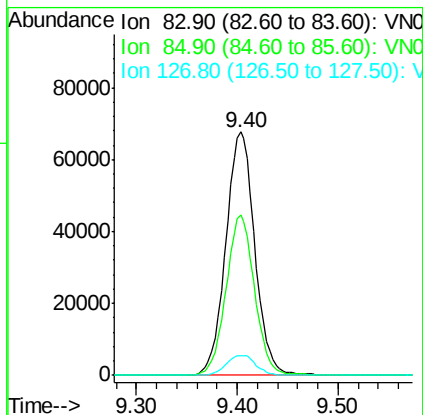
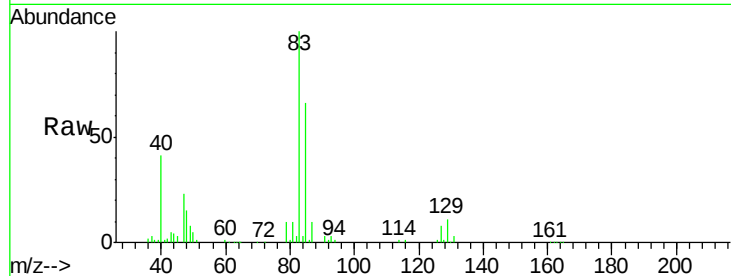
ClientSampleId :

VN0323WBSD01

Tot Ion:	83	Resp:	135456
Ion Ratio	Lower	Upper	
83	100		
85	66.0	52.8	79.2
127	8.3	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.842 ug/l

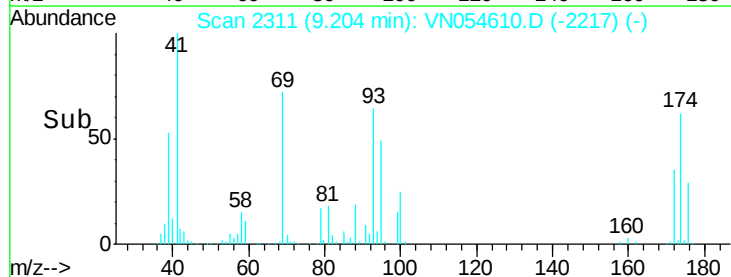
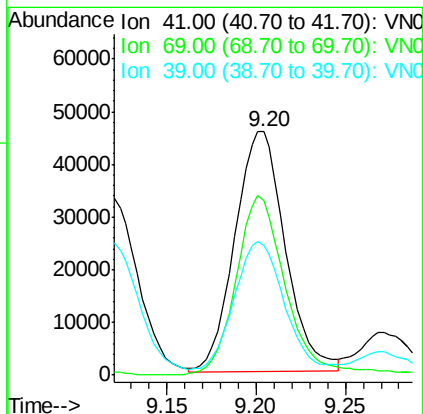
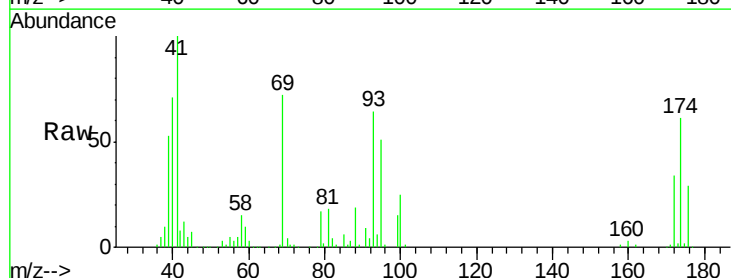
RT: 9.20 min Scan# 2311

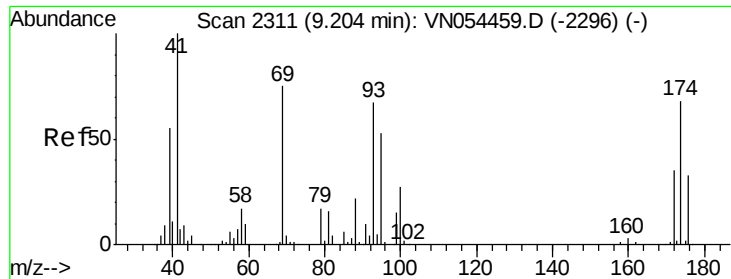
Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion:	41	Resp:	89903
Ion Ratio	Lower	Upper	
41	100		
69	74.2	72.6	108.8
39	53.8	47.5	71.3





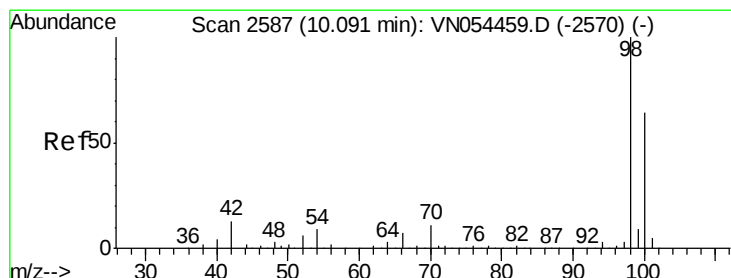
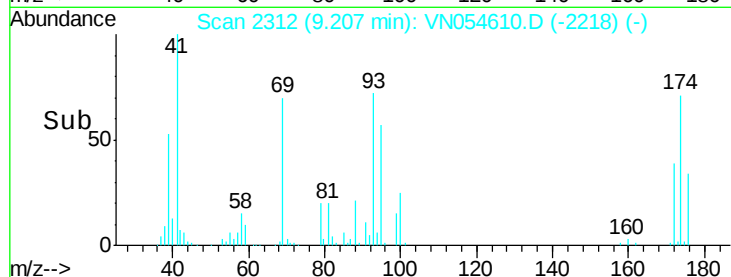
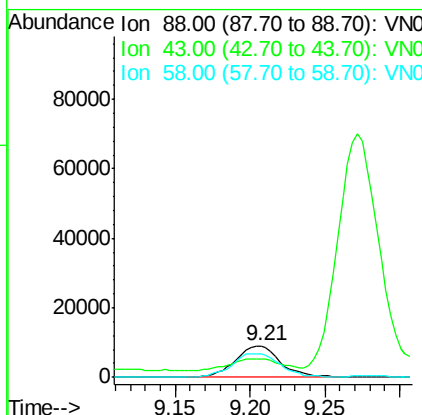
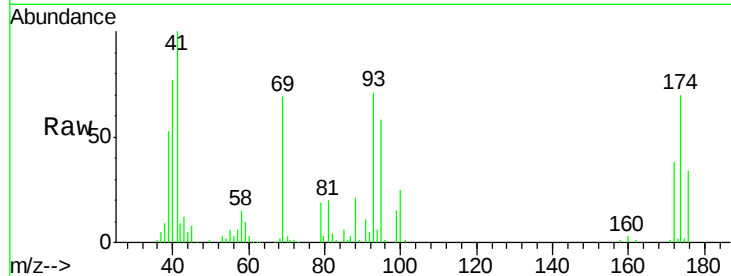
#49
1,4-Dioxane
Concen: 396.868 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	24.1	36.1#
58	79.8	50.8	76.2#

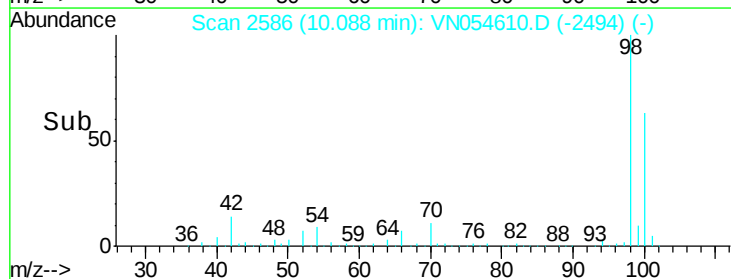
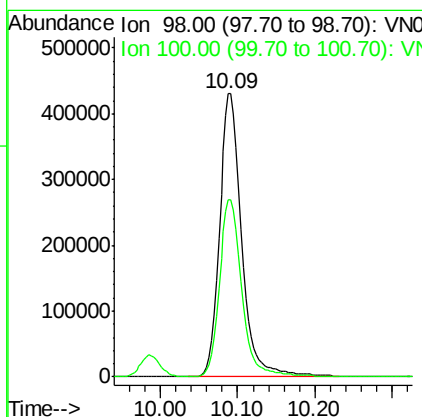
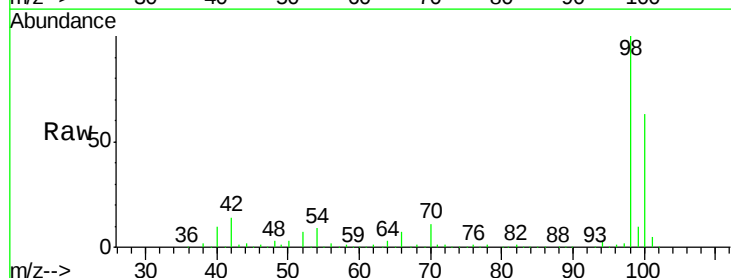
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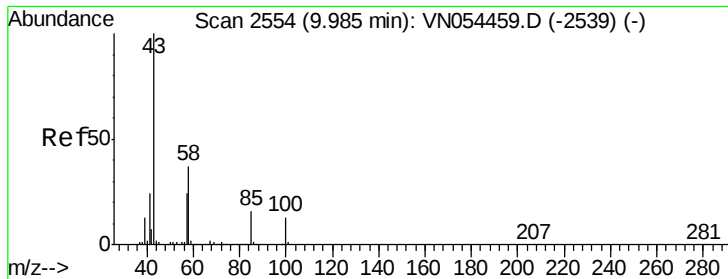
MMDadoda
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#50
Toluene-d8
Concen: 50.288 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 109.678 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 43 Resp: 483070

Ion Ratio Lower Upper

43 100

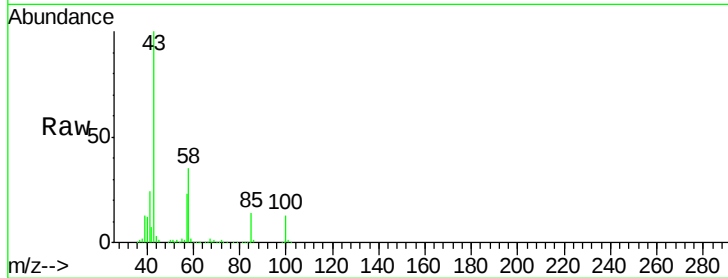
58 34.8 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

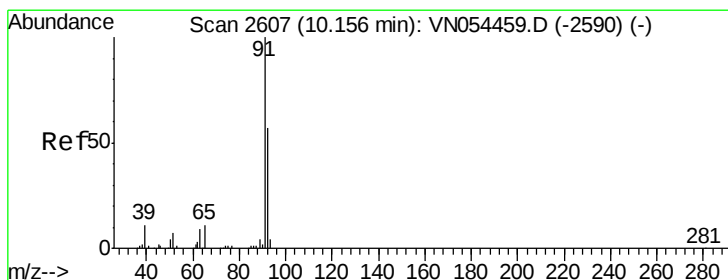
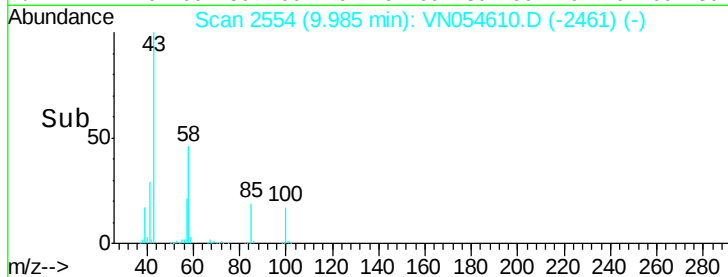
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.010 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054610.D

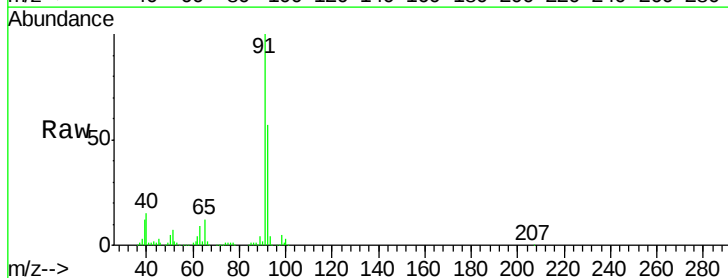
Acq: 23 Mar 2019 17:49

Tgt Ion: 92 Resp: 232848

Ion Ratio Lower Upper

92 100

91 177.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

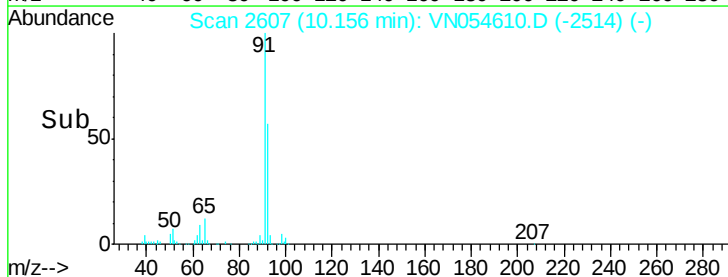
150000

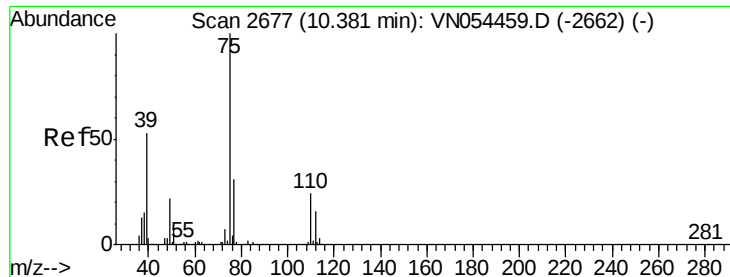
100000

50000

0

Time-->





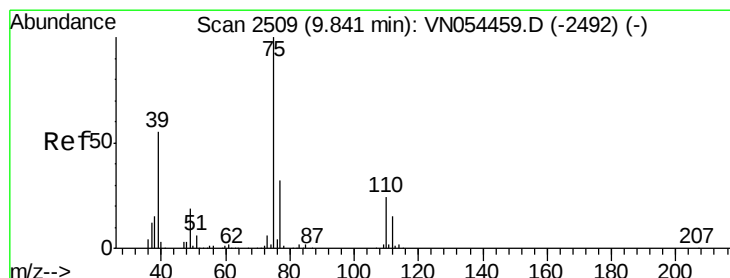
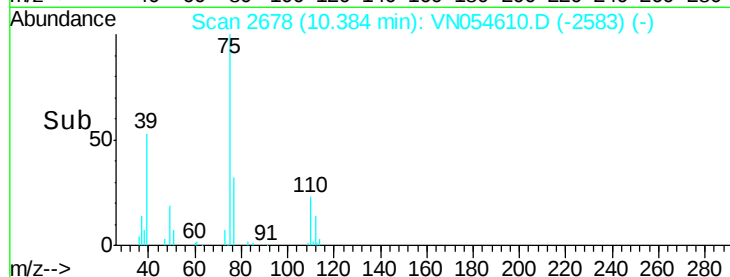
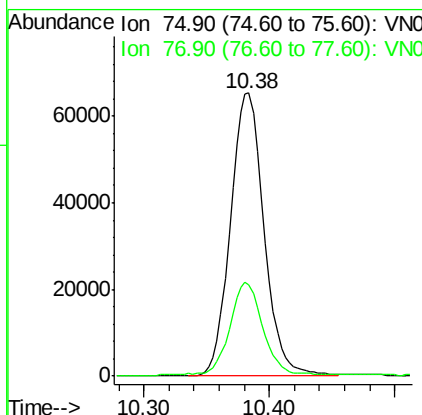
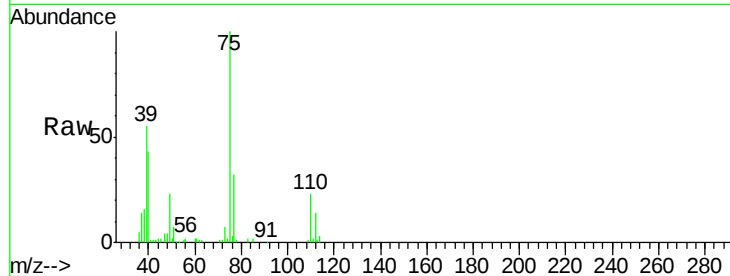
#53
t-1,3-Dichloropropene
Concen: 19.771 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8

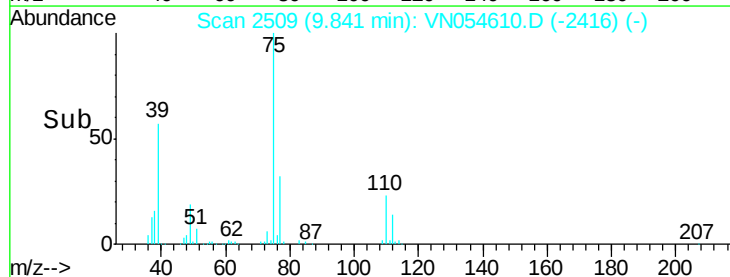
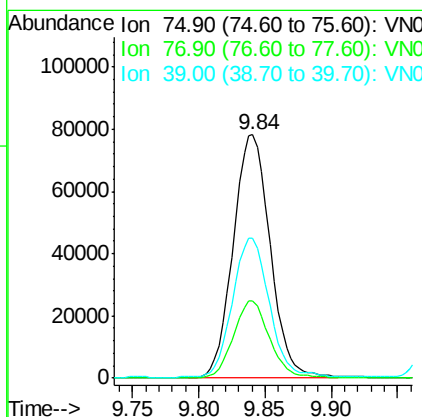
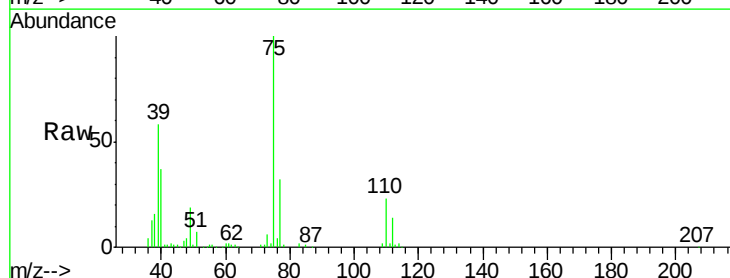
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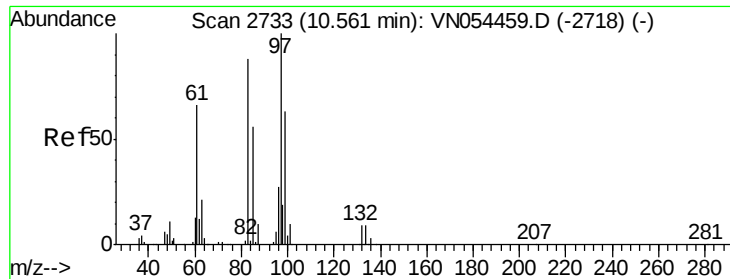
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.121 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.0	37.2	55.8#





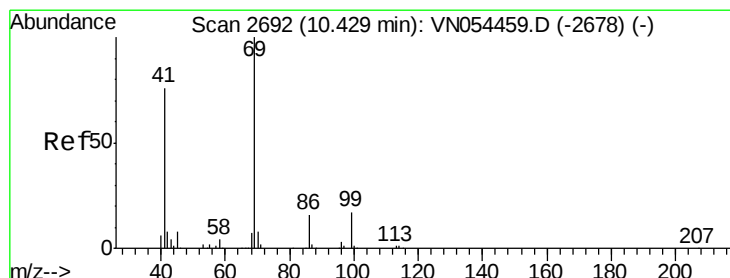
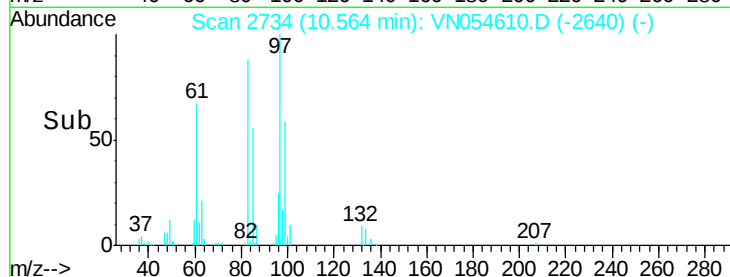
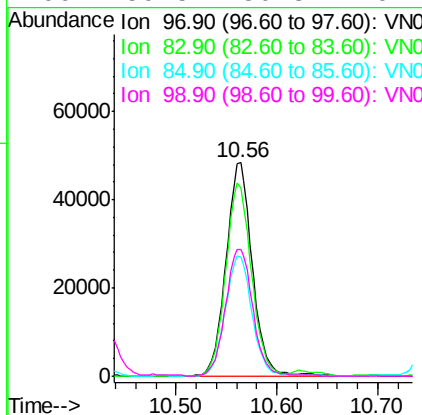
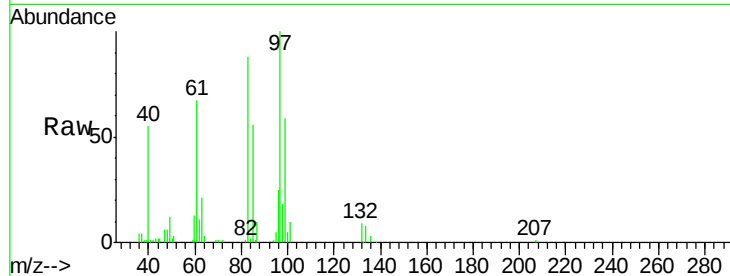
#55
 1,1,2-Trichloroethane
 Concen: 21.151 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion:	97	Resp:	88472
Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.6	100.0
85	56.0	44.4	66.6
99	59.5	50.8	76.2

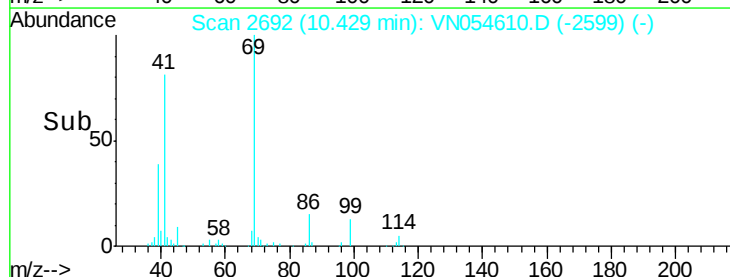
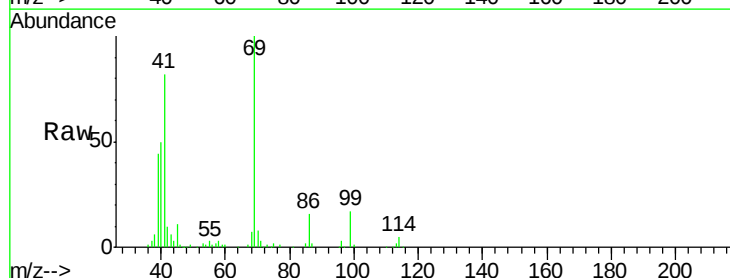
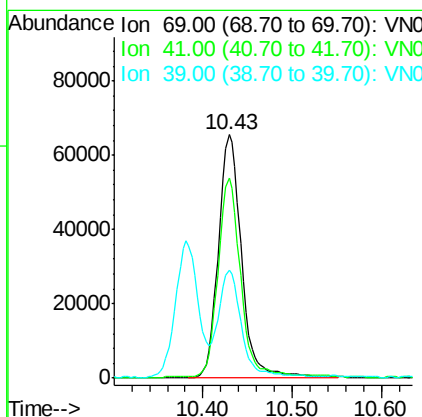
Manual Integrations
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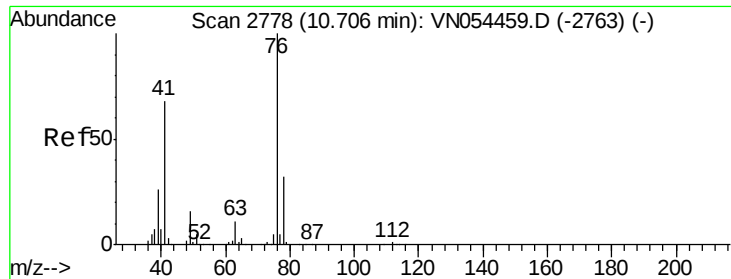
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#56
 Ethyl methacrylate
 Concen: 21.111 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion:	69	Resp:	118521
Ion	Ratio	Lower	Upper
69	100		
41	77.5	49.4	74.2#
39	42.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.275 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 76 Resp: 154696

Ion Ratio Lower Upper

76 100

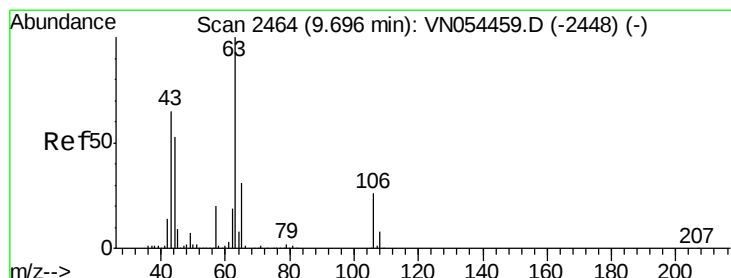
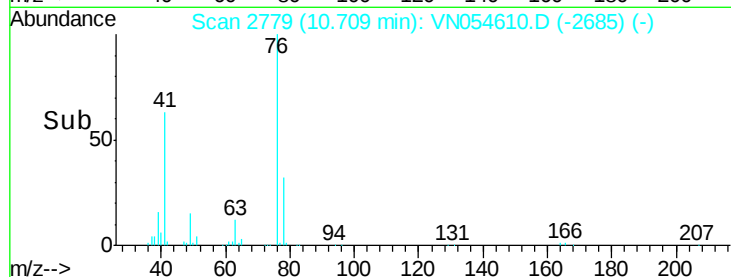
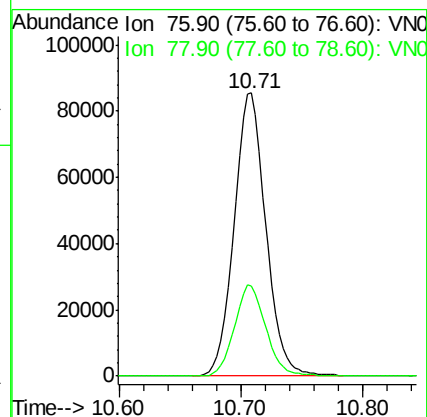
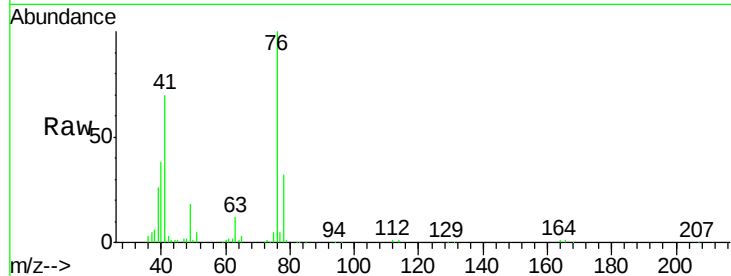
78 31.9 25.7 38.5

Manual Integrations

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3/25/2019 10:23:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 91.411 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054610.D

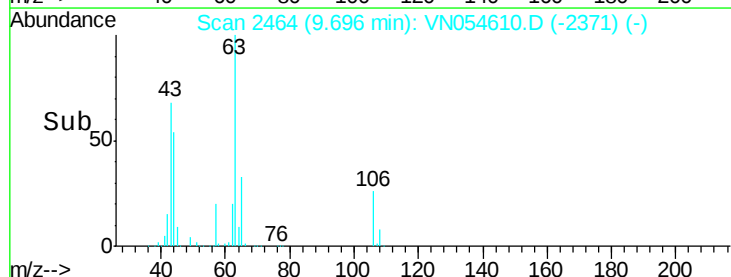
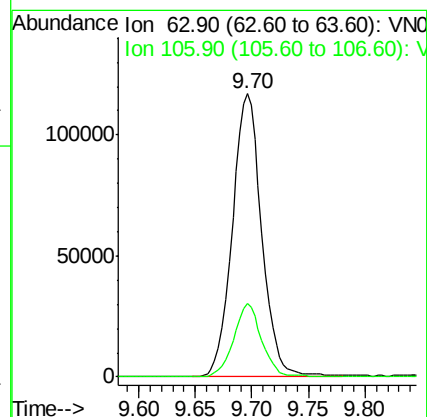
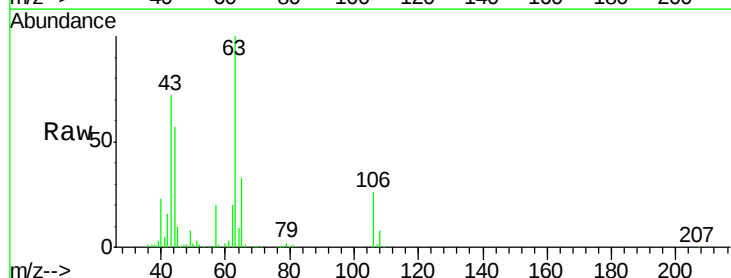
Acq: 23 Mar 2019 17:49

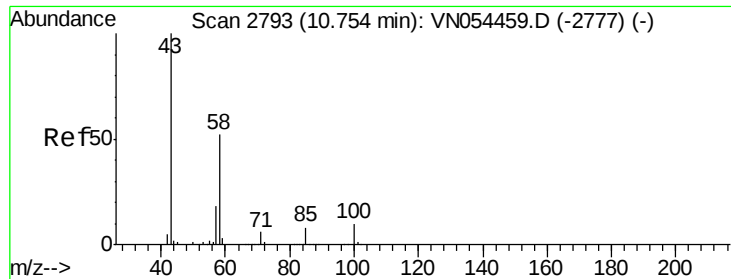
Tgt Ion: 63 Resp: 211327

Ion Ratio Lower Upper

63 100

106 24.6 24.4 36.6





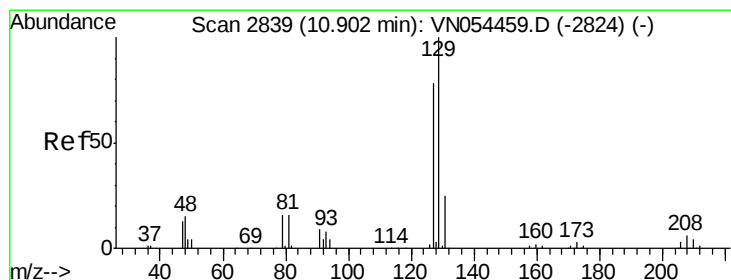
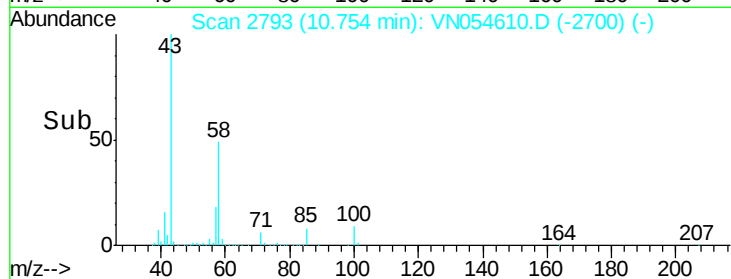
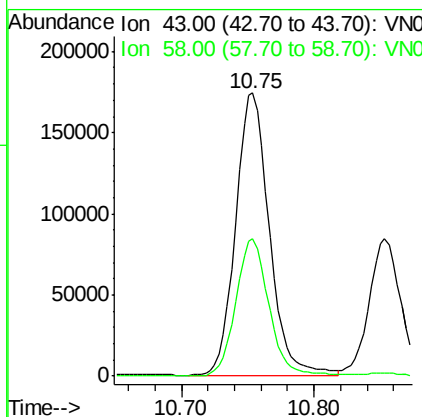
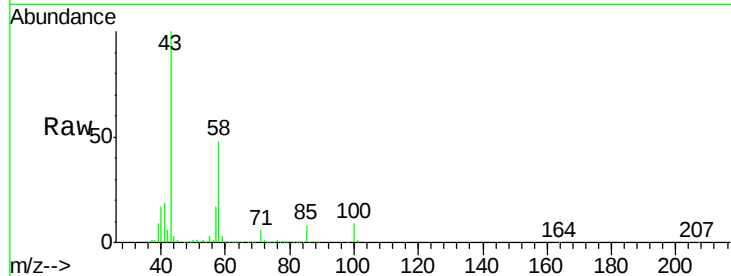
#59
2-Hexanone
Concen: 106.295 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion: 43 Resp: 305803
Ion Ratio Lower Upper
43 100
58 48.4 28.0 83.9

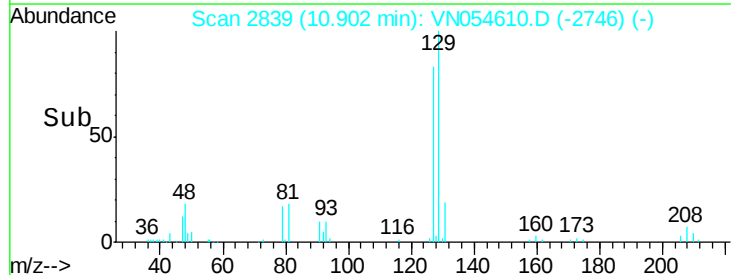
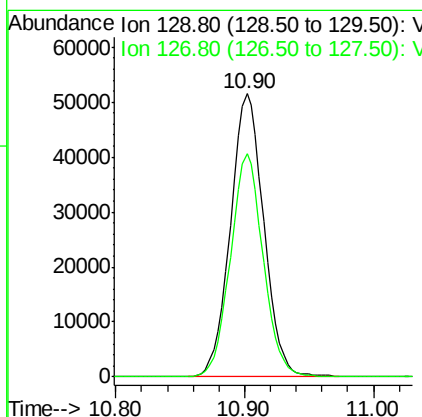
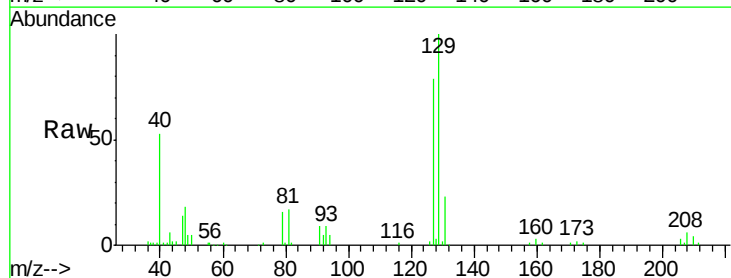
Manual Integrations
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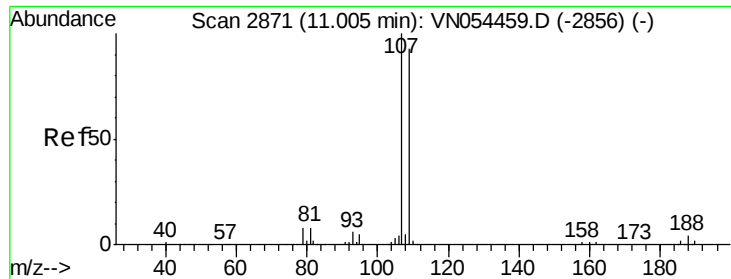
MMDadoda
3/25/2019 10:23:49 AM



#60
Dibromochloromethane
Concen: 20.786 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 129 Resp: 92517
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.147 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion:107 Resp: 83313

Ion Ratio Lower Upper

107 100

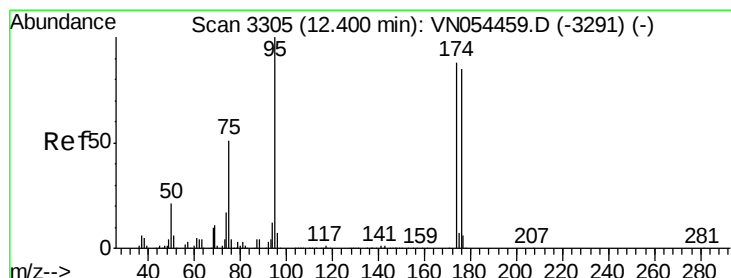
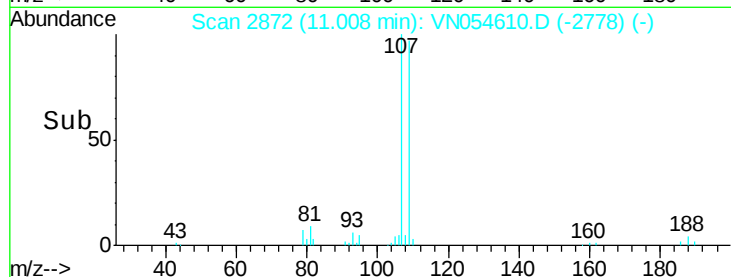
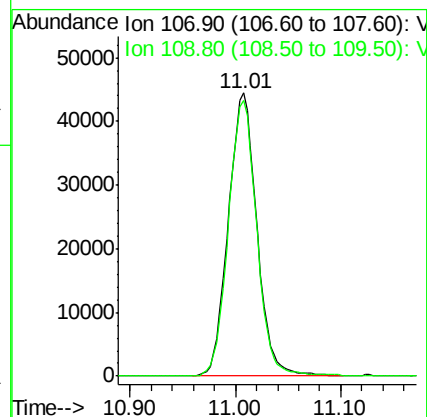
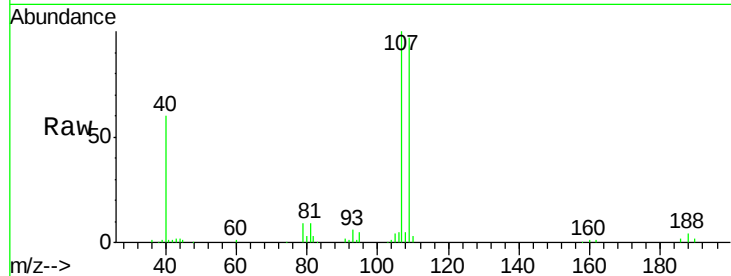
109 96.7 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 48.692 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

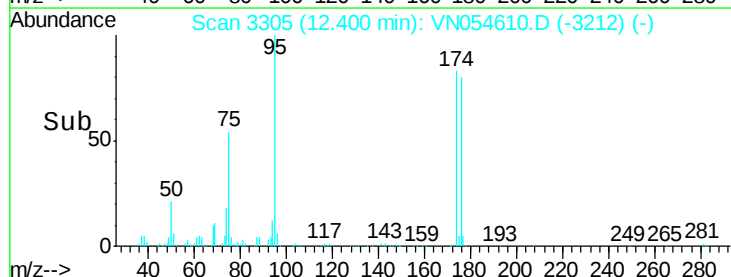
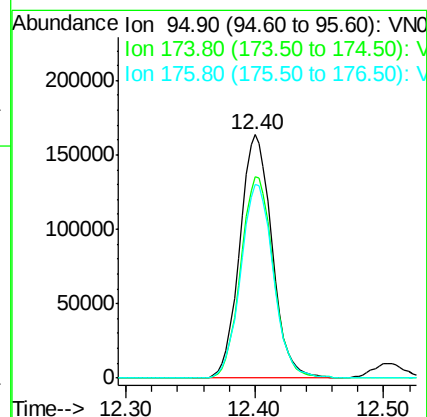
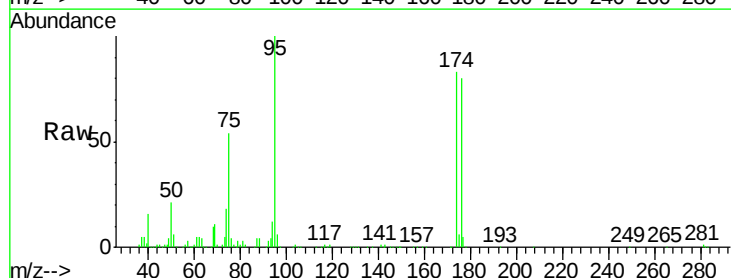
Tgt Ion: 95 Resp: 283966

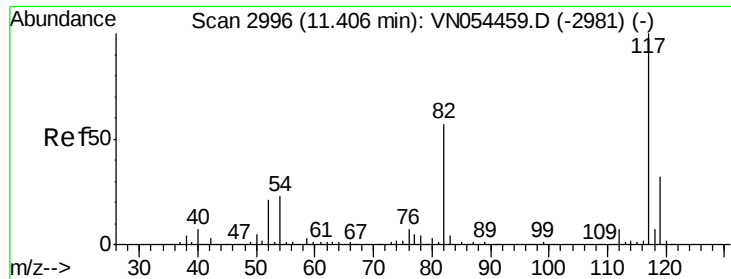
Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

176 81.0 0.0 187.4





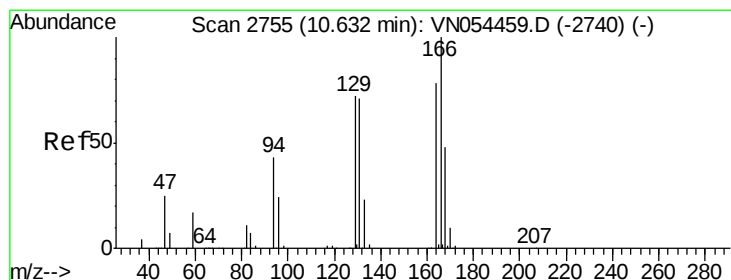
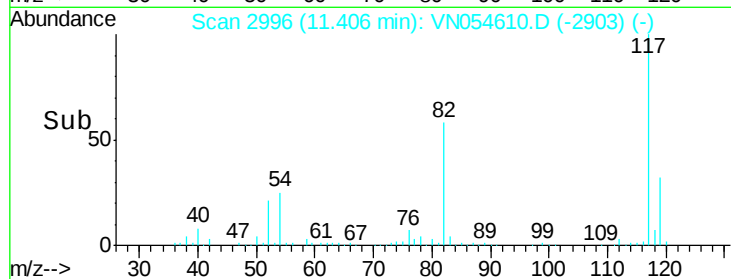
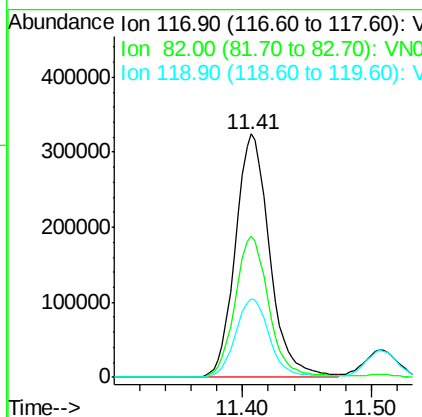
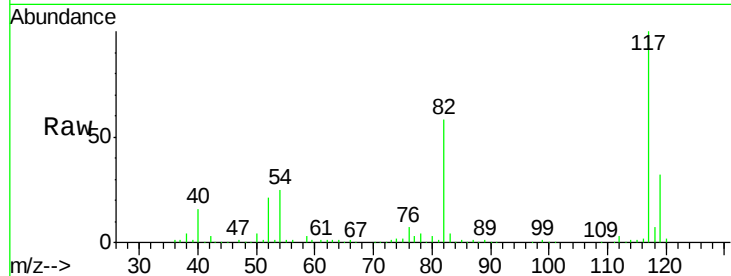
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	40.0	60.0
119	32.0	25.8	38.6

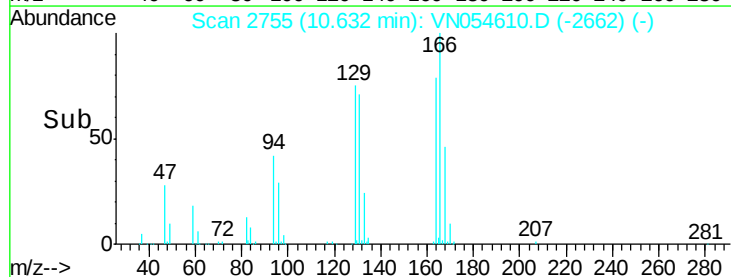
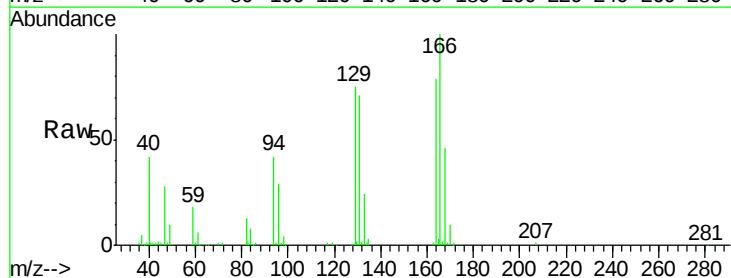
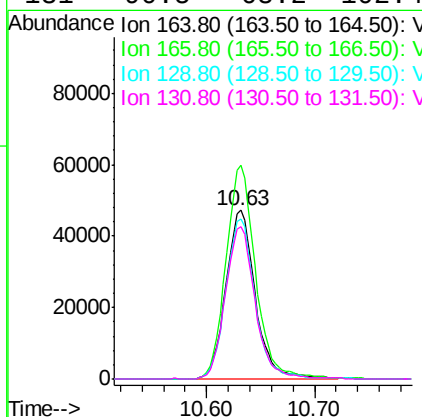
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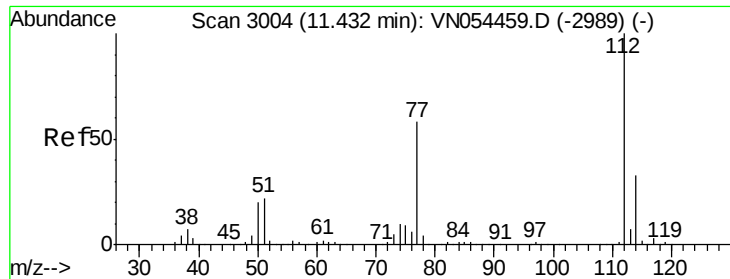
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#64
Tetrachloroethene
Concen: 18.087 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.9	155.9
129	95.4	71.1	106.7
131	90.5	68.2	102.4





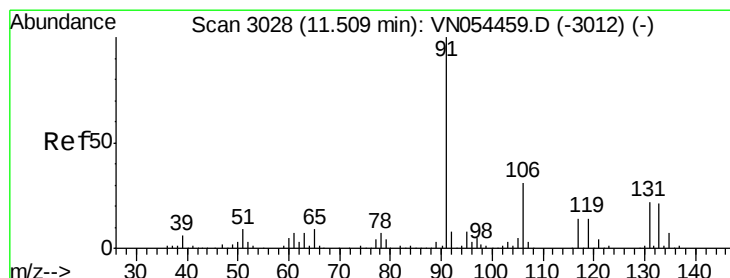
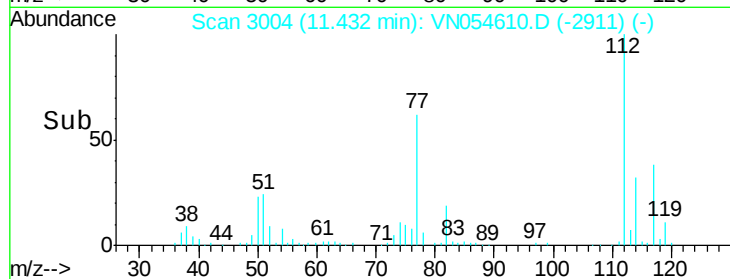
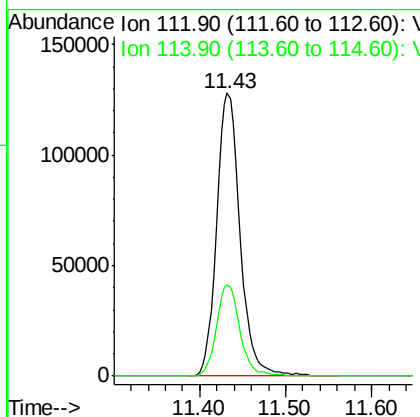
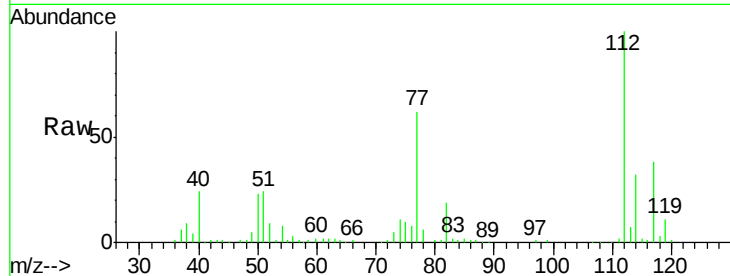
#65
Chlorobenzene
Concen: 19.937 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion:112 Resp: 242956
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9

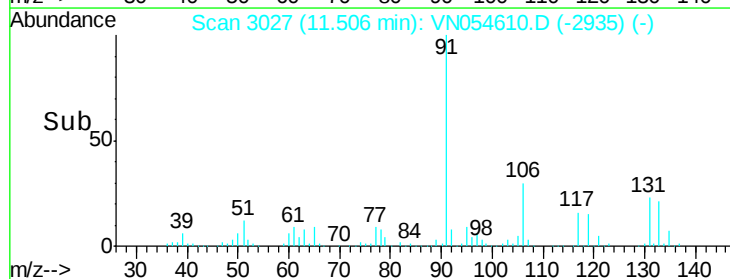
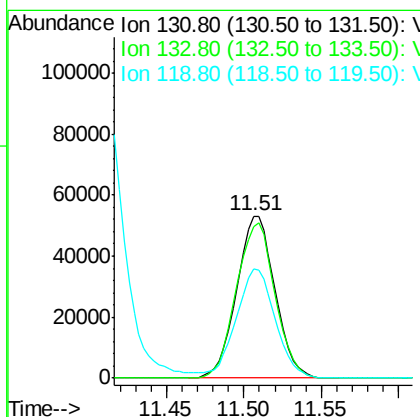
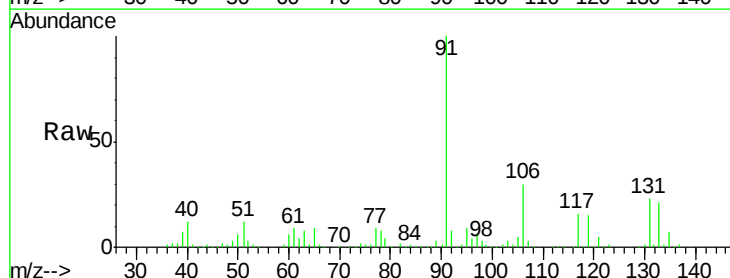
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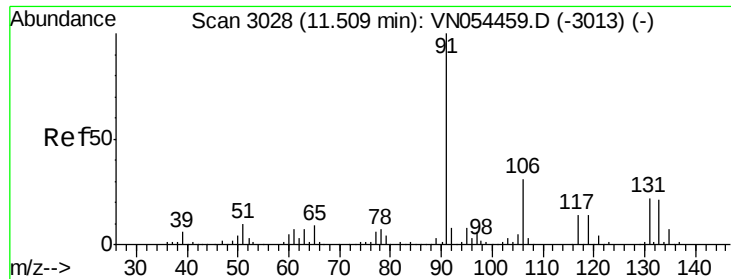
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.862 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:131 Resp: 91250
Ion Ratio Lower Upper
131 100
133 97.1 47.6 142.9
119 69.3 32.4 97.0





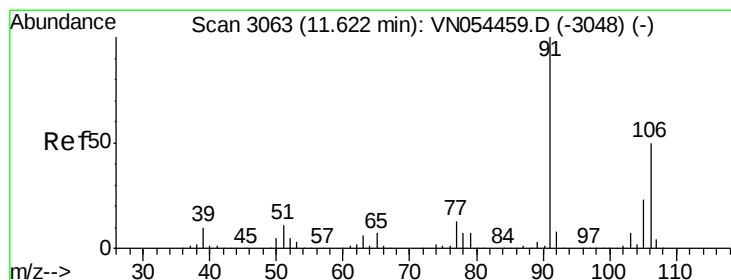
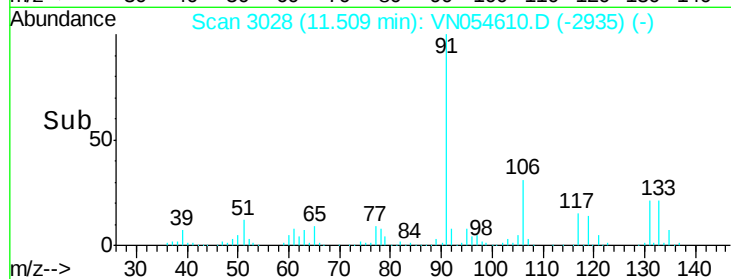
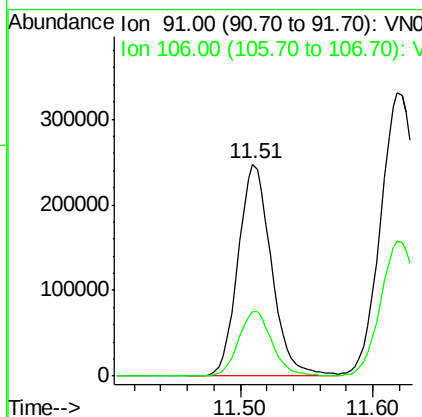
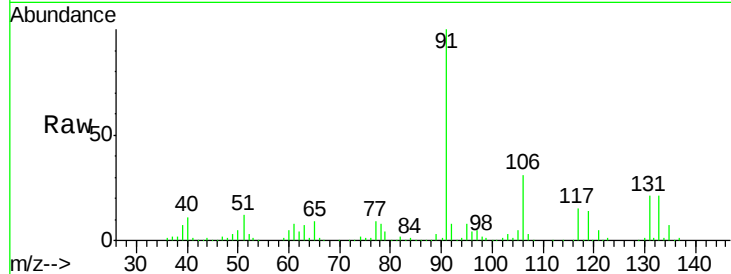
#67
Ethyl Benzene
Concen: 20.132 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampled :
VN0323WBSD01

Tot Ion: 91 Resp: 433362
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

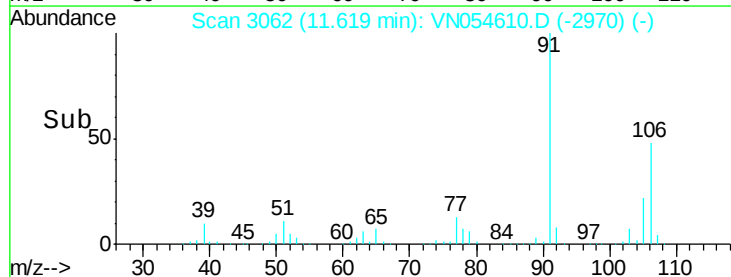
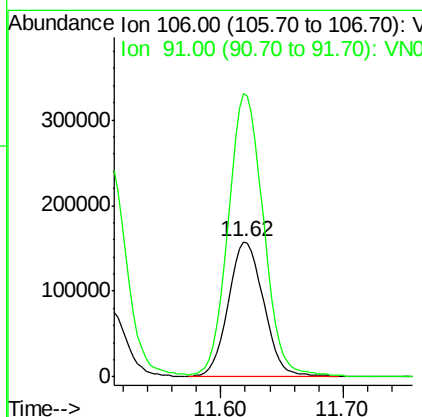
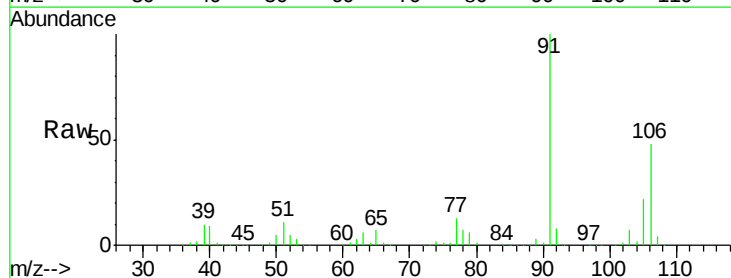
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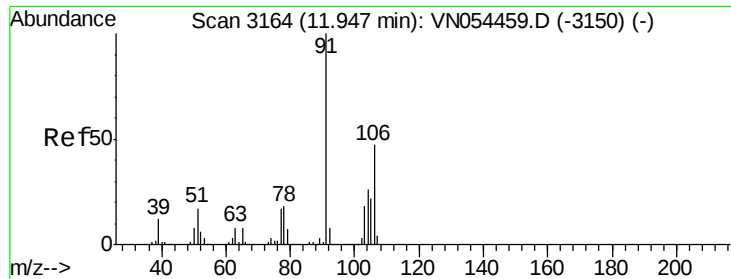
MMDadoda
3/25/2019 10:23:49 AM



#68
m/p-Xylenes
Concen: 38.693 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion: 106 Resp: 315478
Ion Ratio Lower Upper
106 100
91 211.6 159.4 239.2





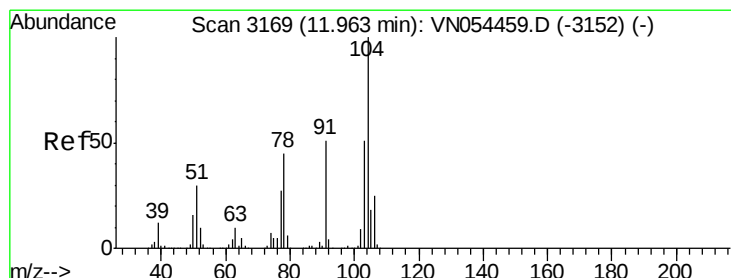
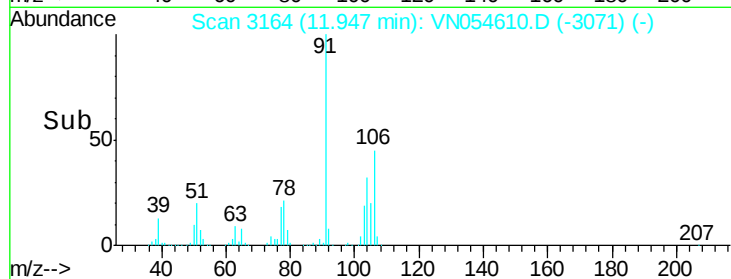
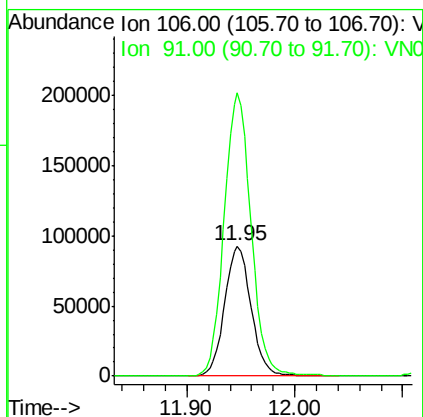
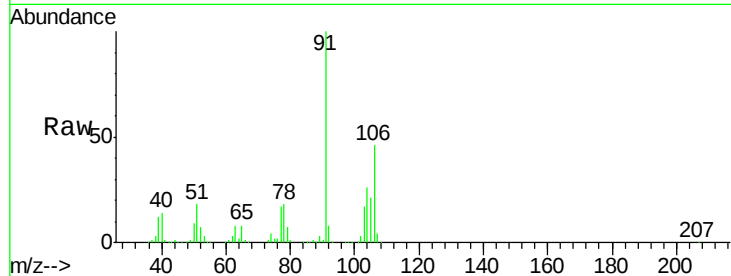
#69
o-Xylene
Concen: 19.945 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion:106 Resp: 158816
Ion Ratio Lower Upper
106 100
91 220.7 105.7 317.1

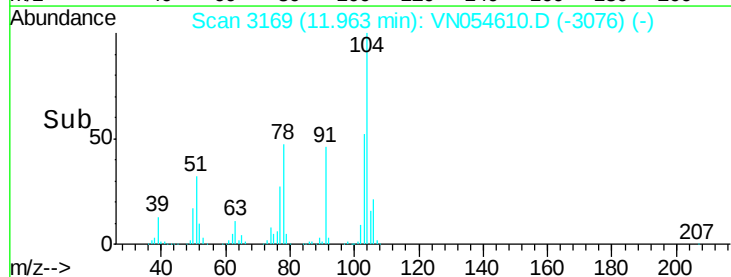
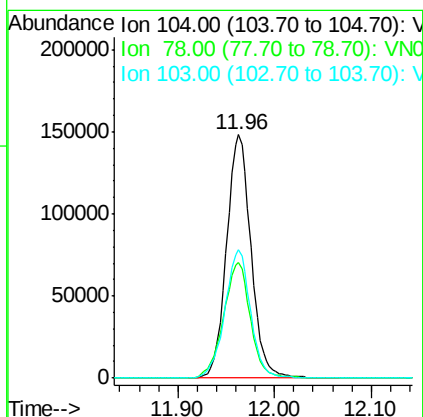
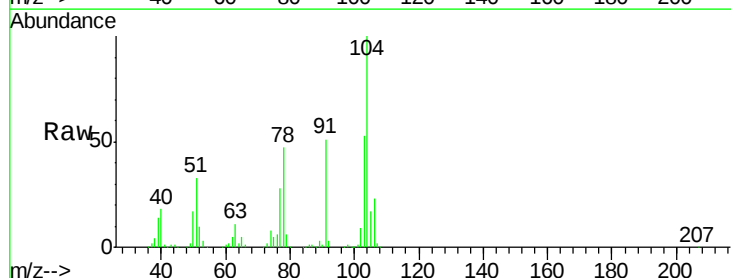
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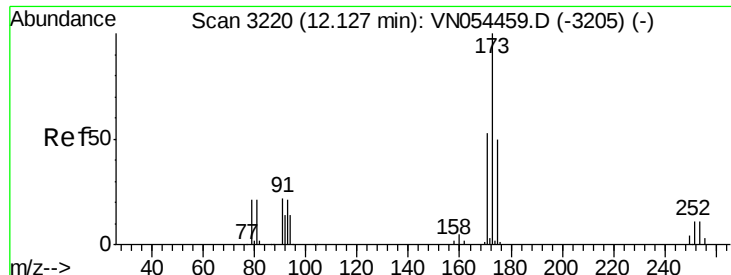
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#70
Styrene
Concen: 20.135 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion:104 Resp: 260367
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 19.158 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion:173 Resp: 53449

Ion Ratio Lower Upper

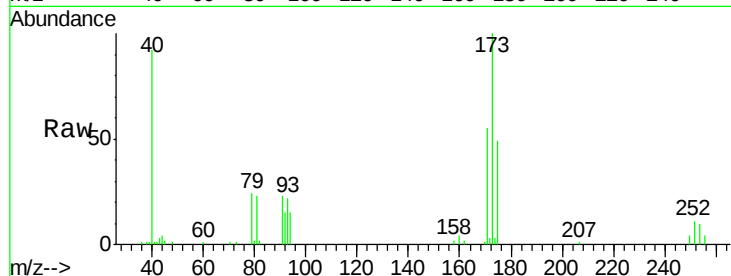
173 100

175 50.3 24.4 73.2

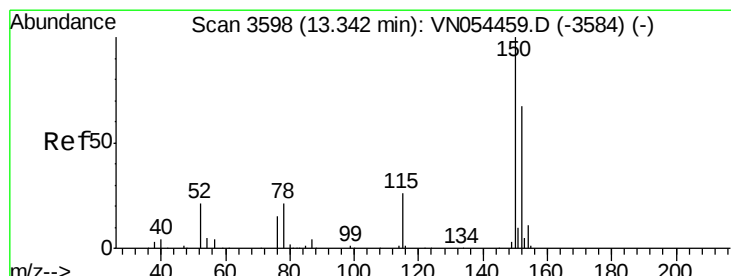
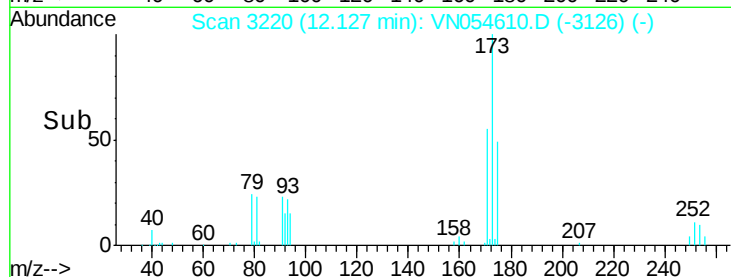
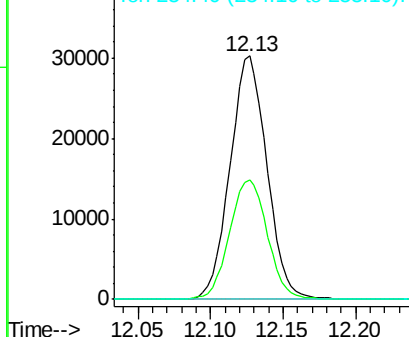
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

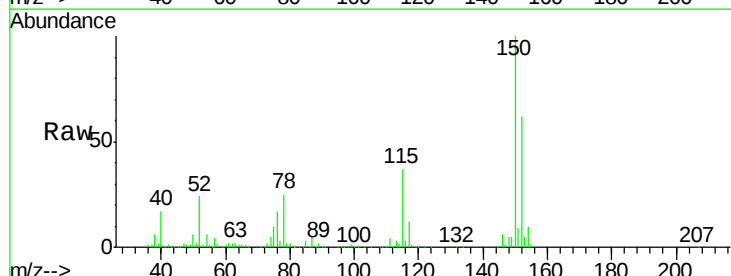
Tgt Ion:152 Resp: 248652

Ion Ratio Lower Upper

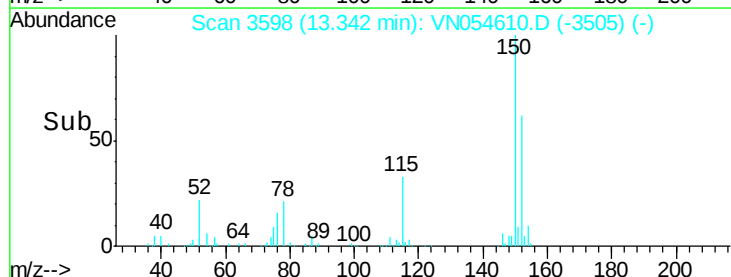
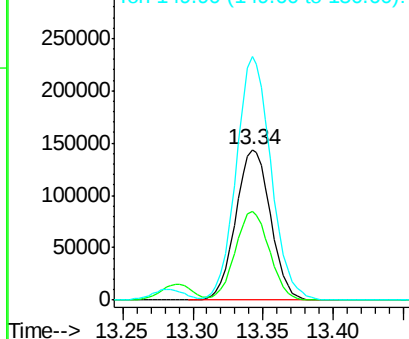
152 100

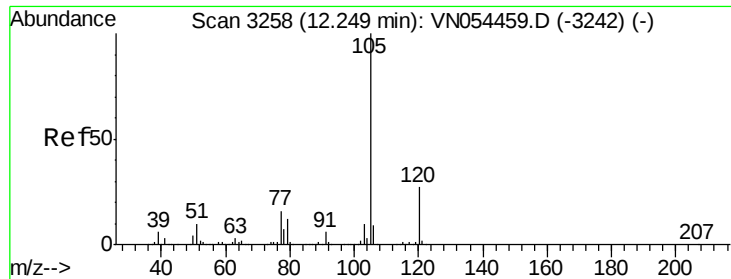
115 57.8 27.2 81.6

150 162.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





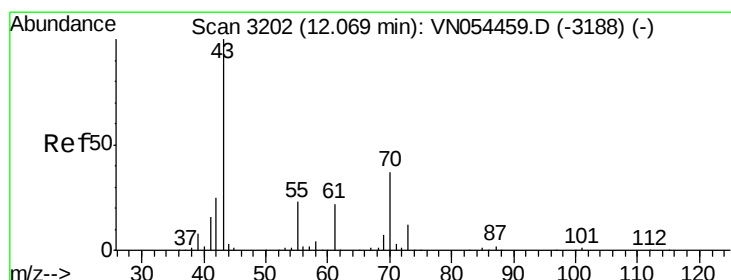
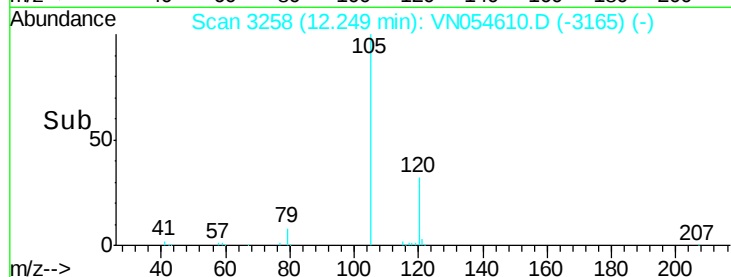
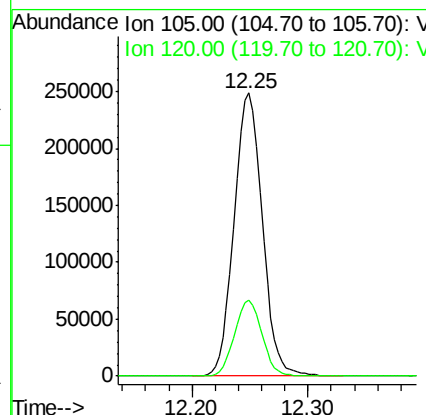
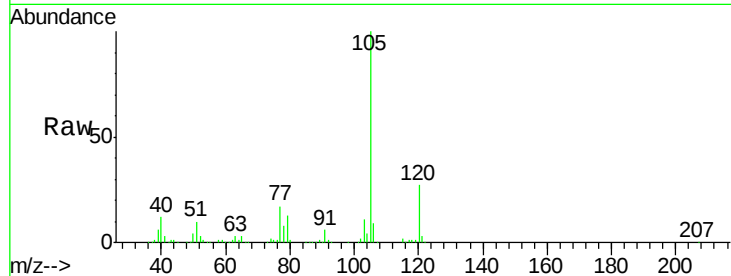
#73
Isopropylbenzene
Concen: 20.834 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.8	41.3

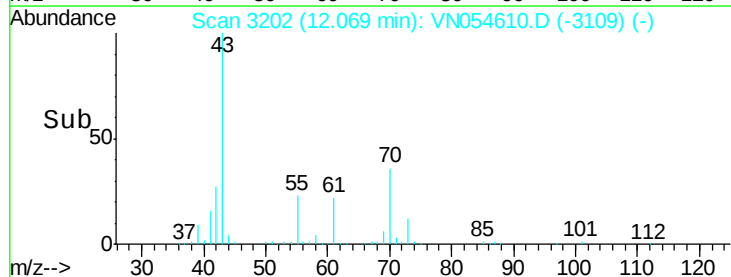
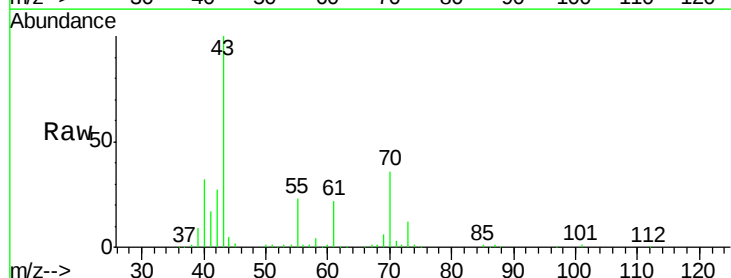
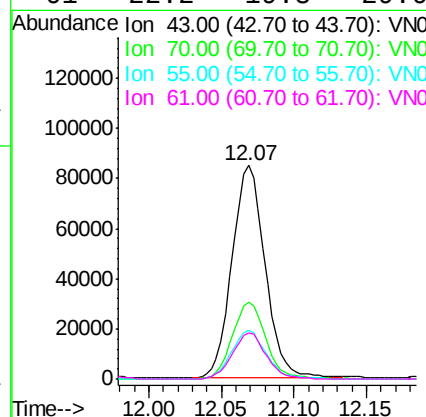
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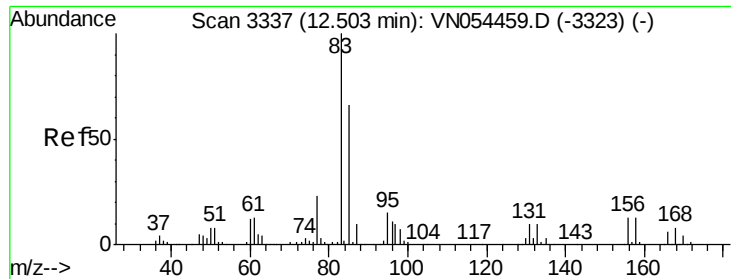
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#74
N-ethyl acetate
Concen: 23.178 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.8	35.4	53.0
55	24.2	19.8	29.6
61	22.2	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.829 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

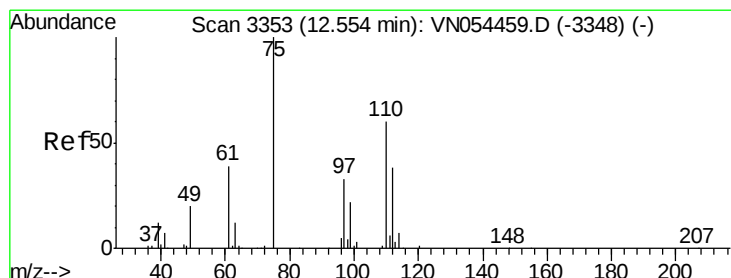
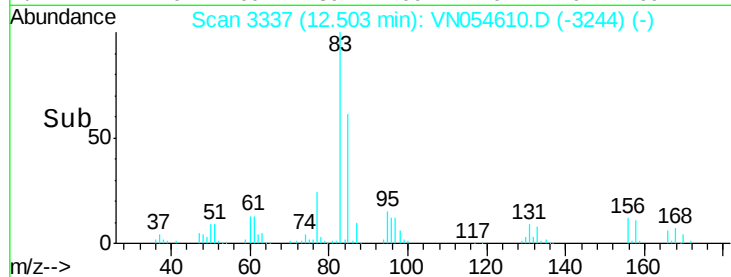
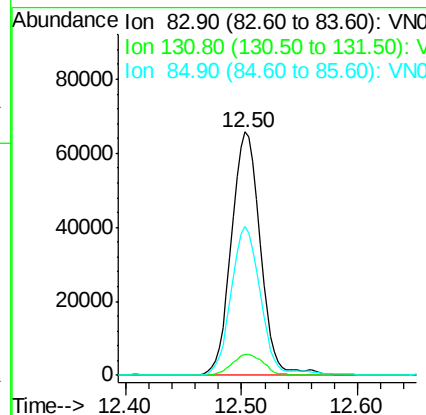
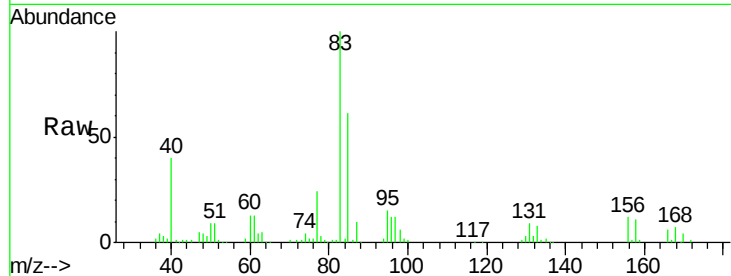
ClientSampleId :

VN0323WBSD01

Tot Ion:	83	Resp:	113567
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.8	17.4
85	60.5	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 23.486 ug/l m

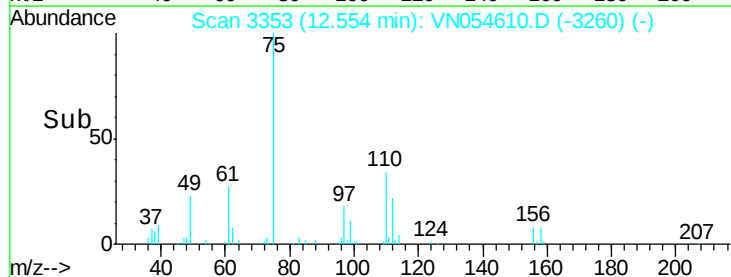
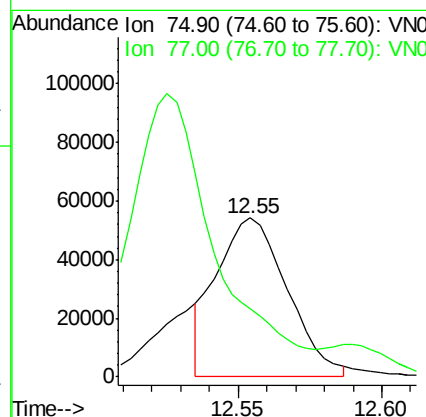
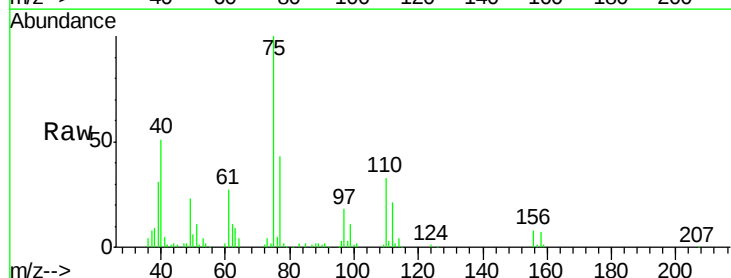
RT: 12.55 min Scan# 3353

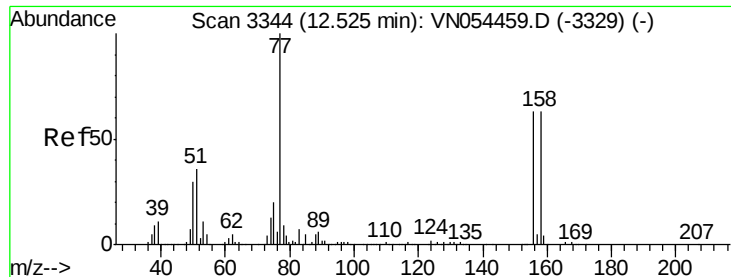
Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion:	75	Resp:	92671
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.523 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

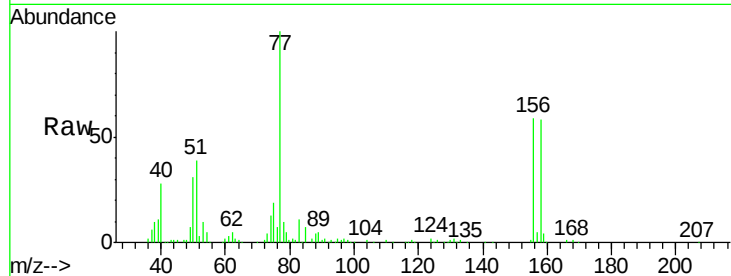
ClientSampleId :

VN0323WBSD01

Tot Ion:	156	Resp:	101985
Ion Ratio	Lower	Upper	
156	100		
77	197.2	81.5	244.4
158	96.5	49.0	147.2

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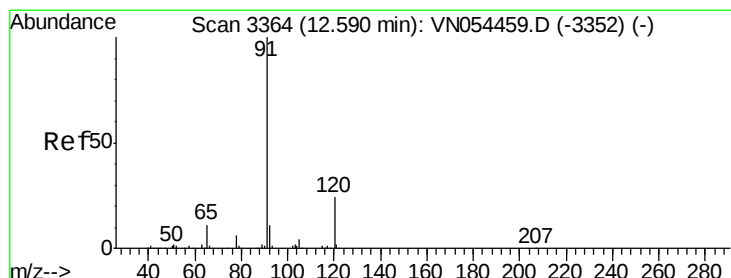
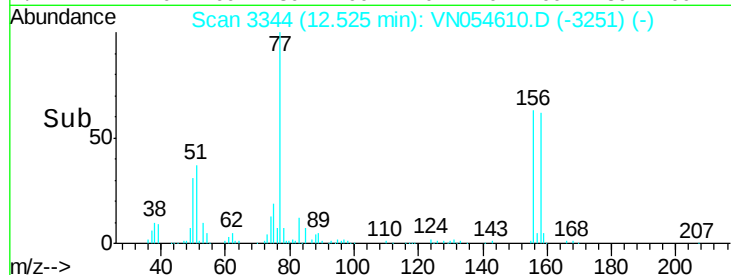
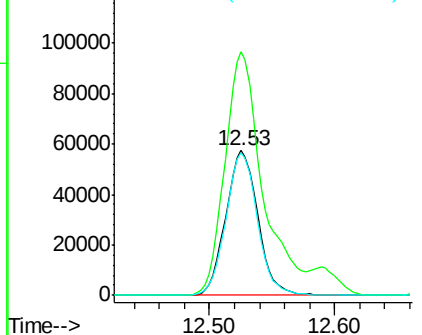
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.699 ug/l

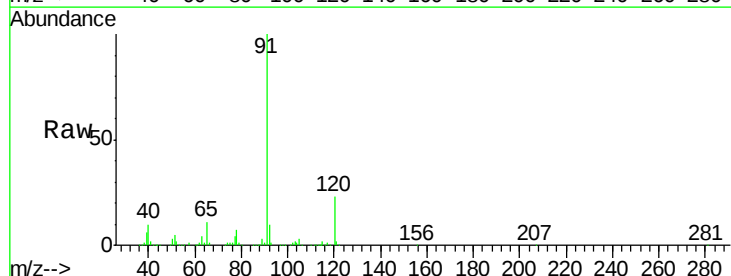
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054610.D

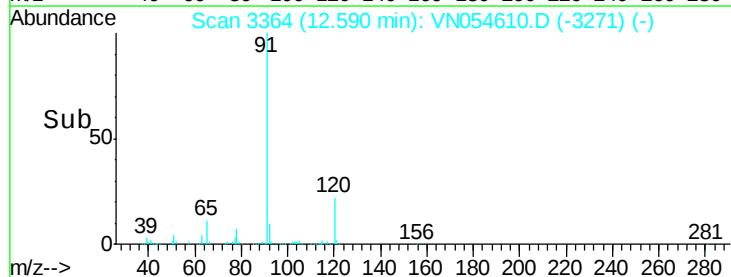
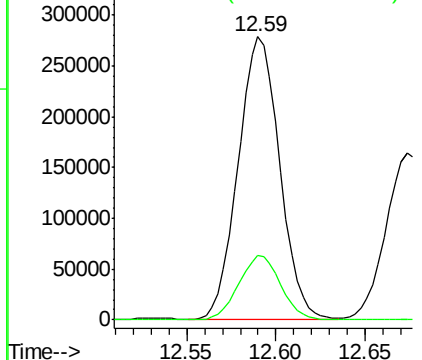
Acq: 23 Mar 2019 17:49

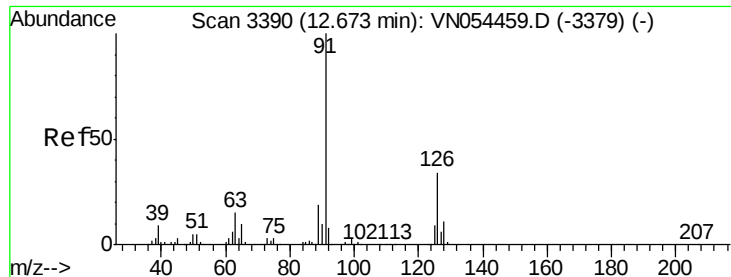
Tgt Ion:	91	Resp:	449722
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.756 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

VN0323WBSD01

Tot Ion: 91 Resp: 281221

Ion Ratio Lower Upper

91 100

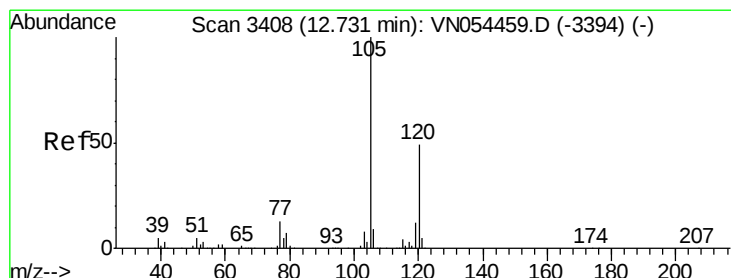
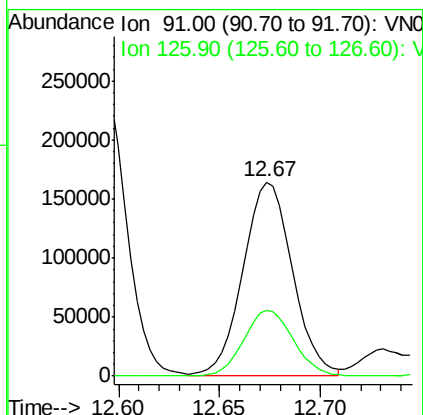
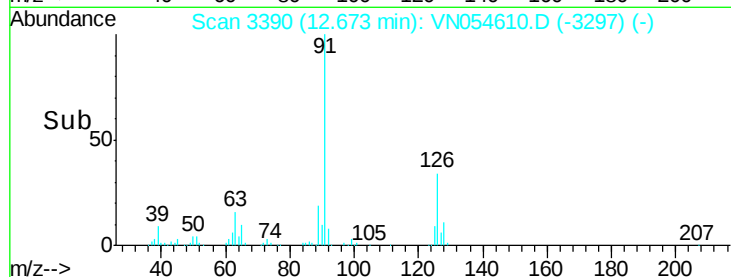
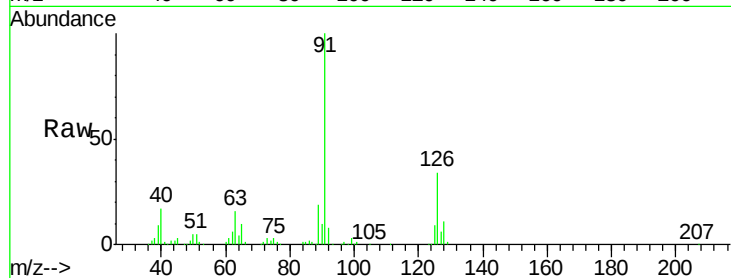
126 34.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.411 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054610.D

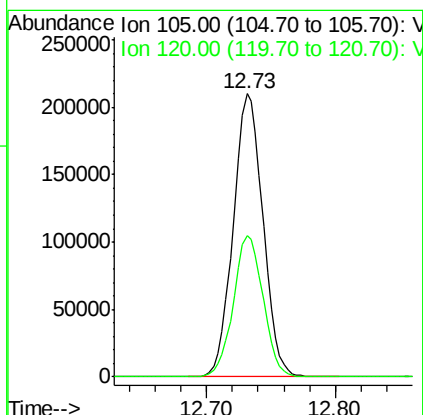
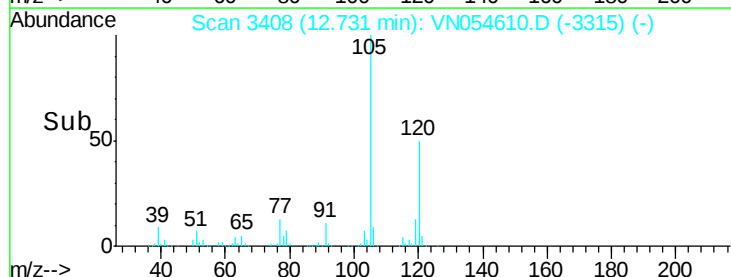
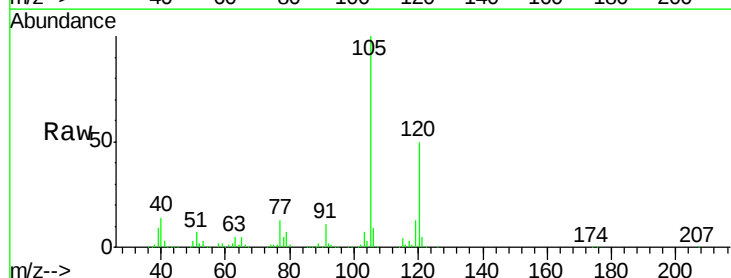
Acq: 23 Mar 2019 17:49

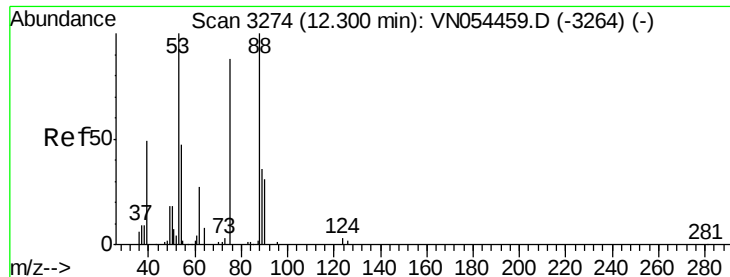
Tgt Ion: 105 Resp: 335190

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion: 75 Resp: 22919

Ion Ratio Lower Upper

75 100

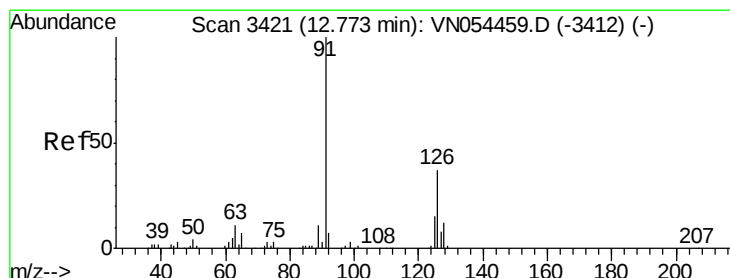
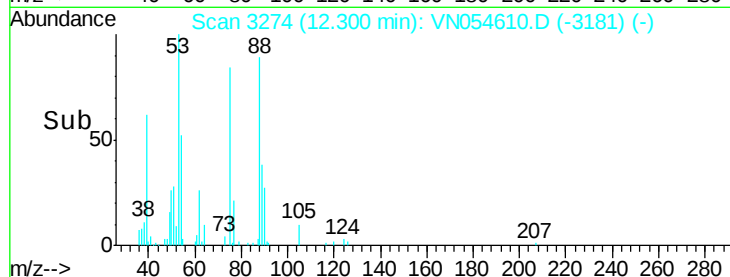
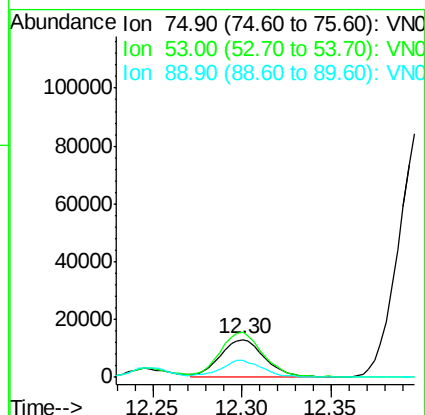
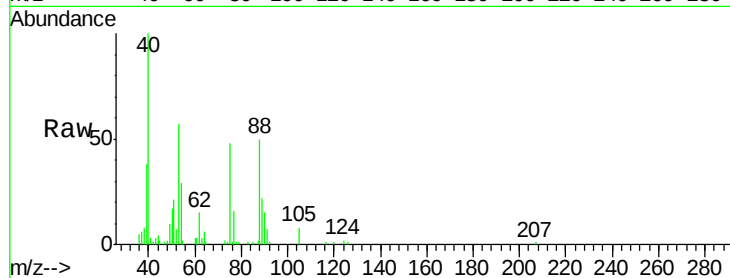
53 111.0 76.2 114.2

89 42.8 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.838 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054610.D

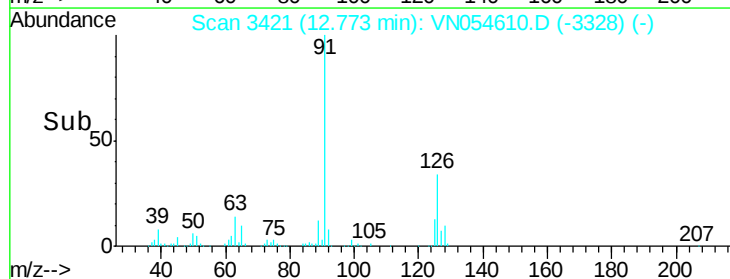
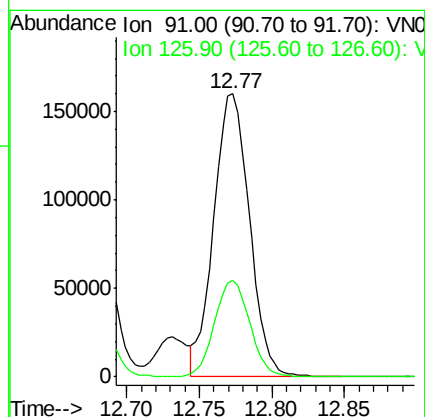
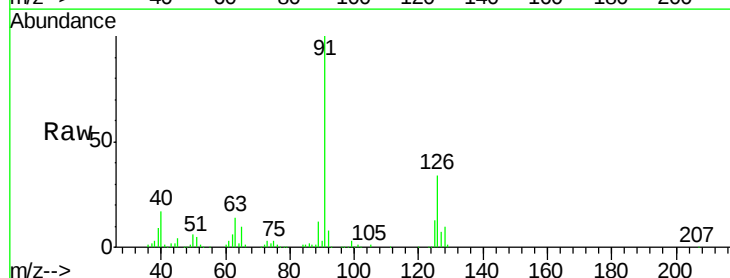
Acq: 23 Mar 2019 17:49

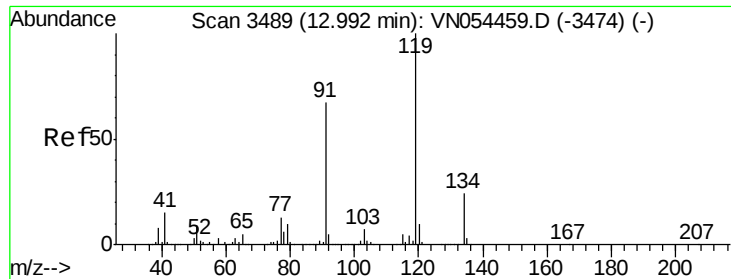
Tgt Ion: 91 Resp: 273665

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





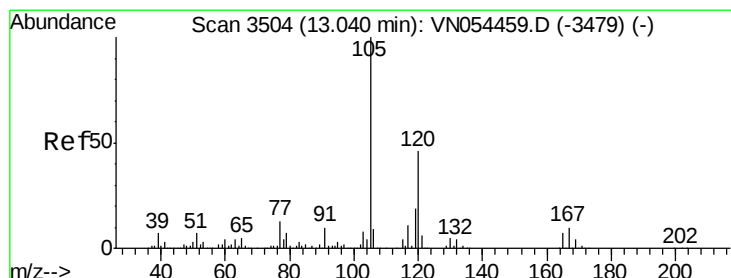
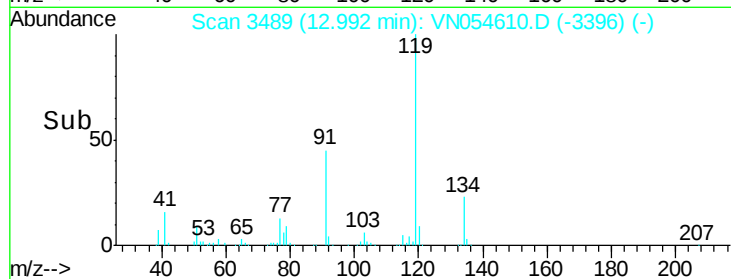
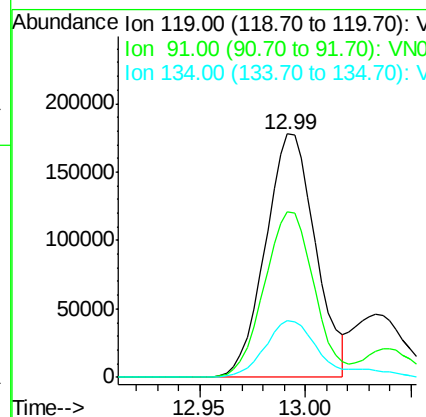
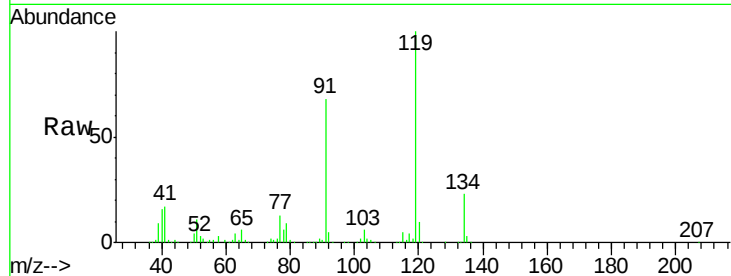
#83
 tert-Butylbenzene
 Concen: 20.514 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	30.9	92.8
134	26.4	13.2	39.6

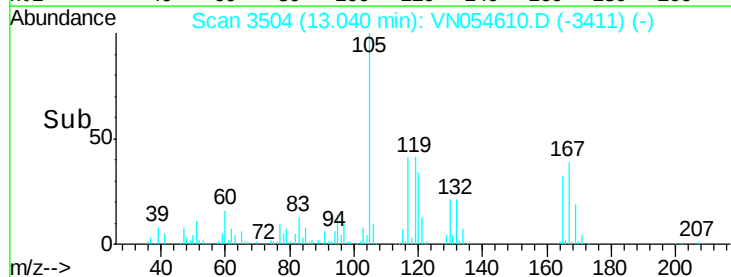
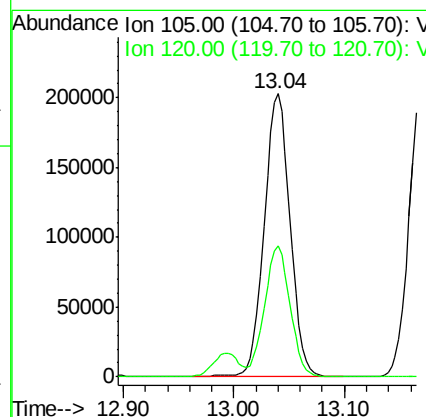
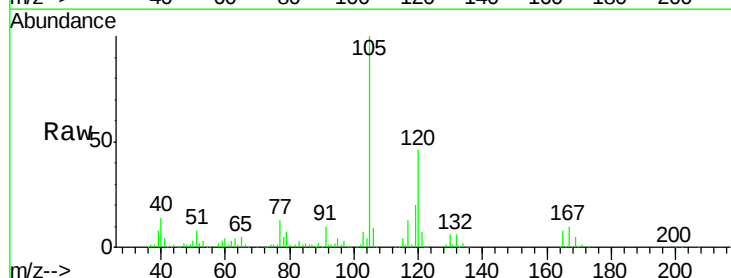
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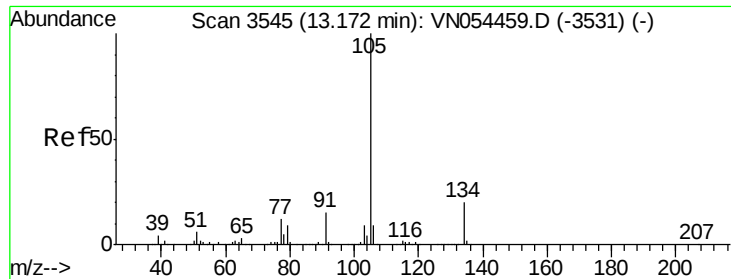
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.529 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.312 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VN0323WBSD01

Tot Ion:105 Resp: 361946

Ion Ratio Lower Upper

105 100

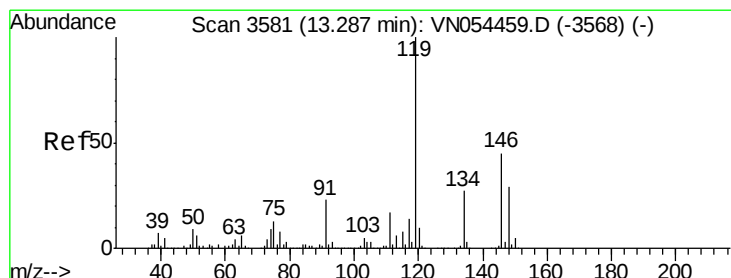
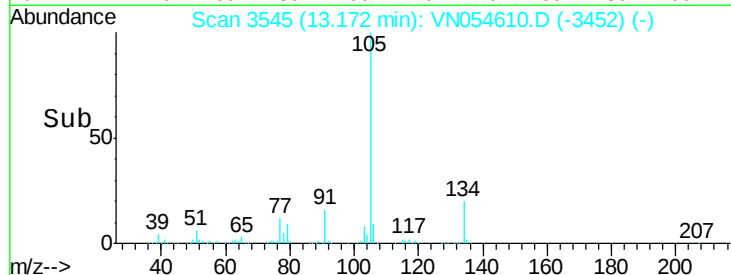
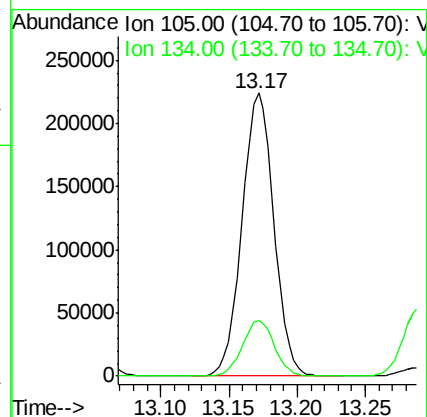
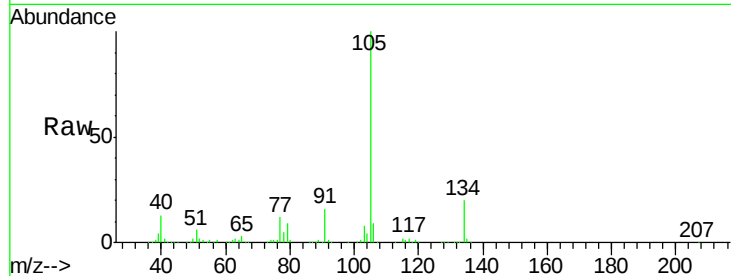
134 19.7 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.980 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

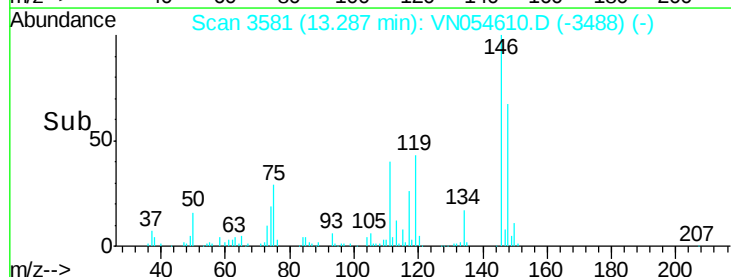
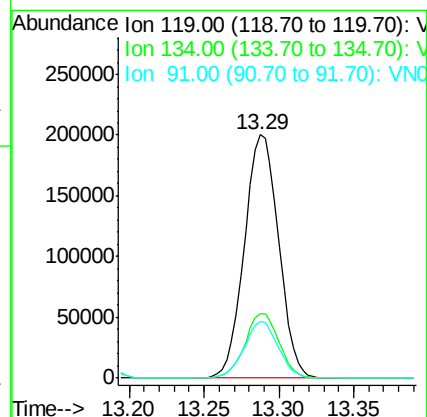
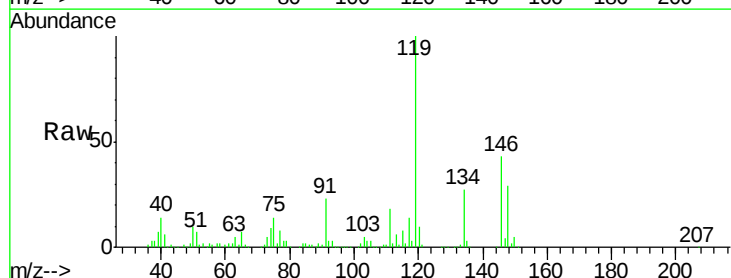
Tgt Ion:119 Resp: 318527

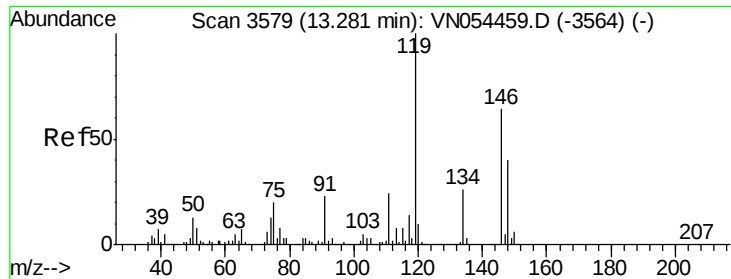
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.2 11.1 33.3





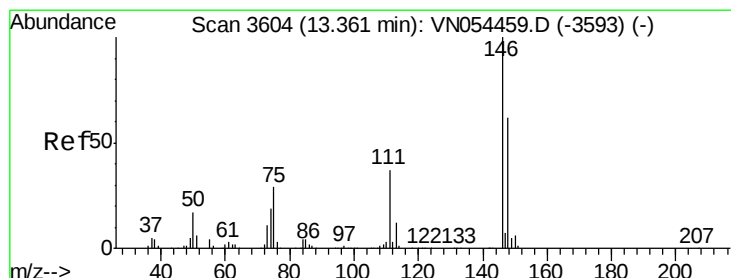
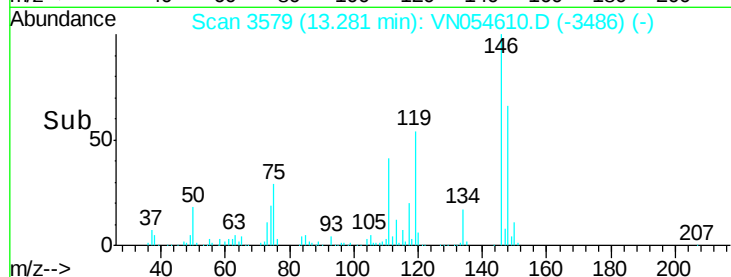
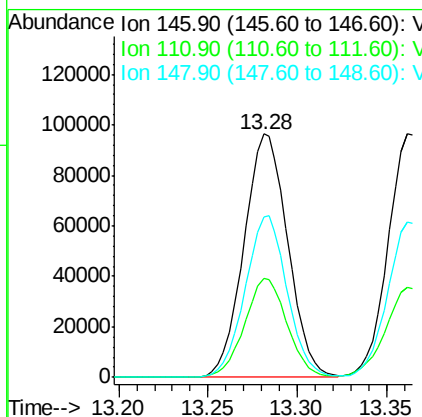
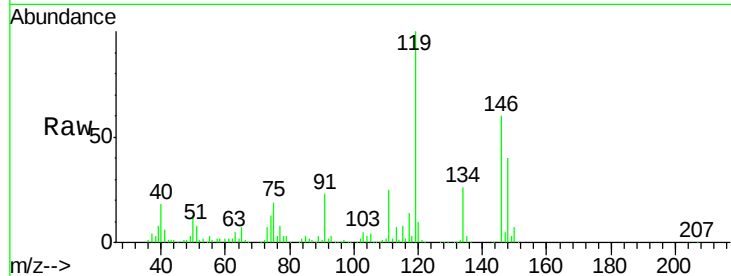
#87
 1,3-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	63.7	32.2	96.6

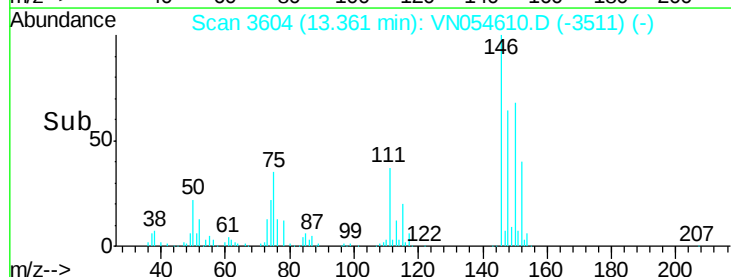
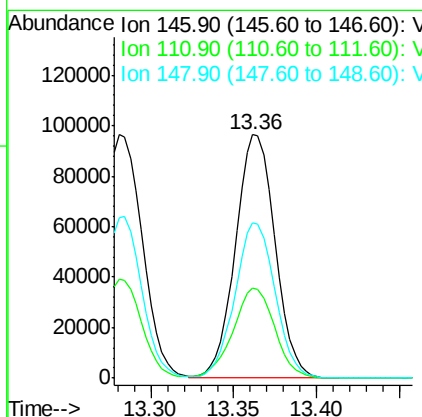
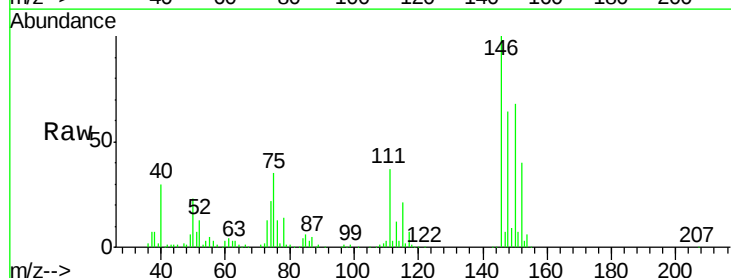
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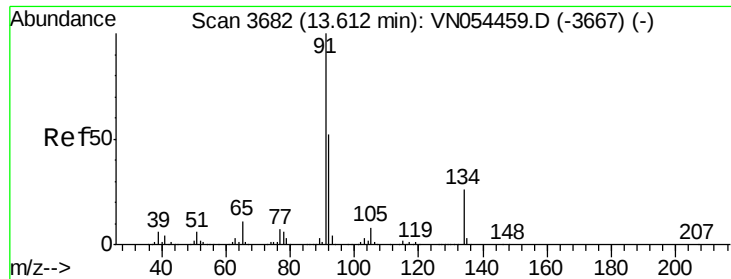
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#88
 1,4-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.1
148	64.9	32.0	96.0





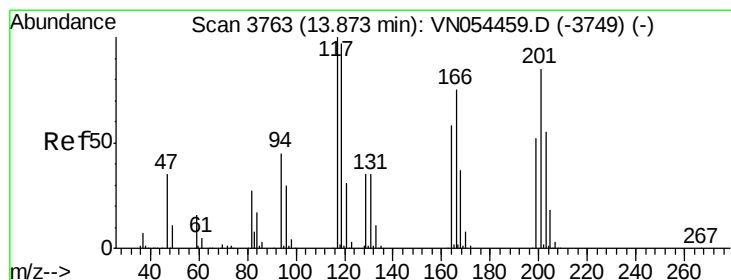
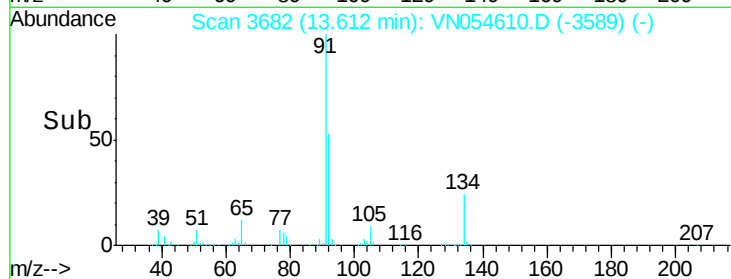
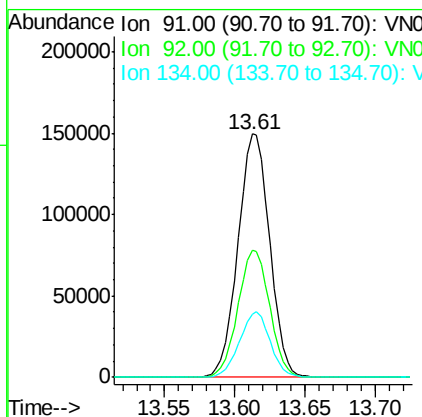
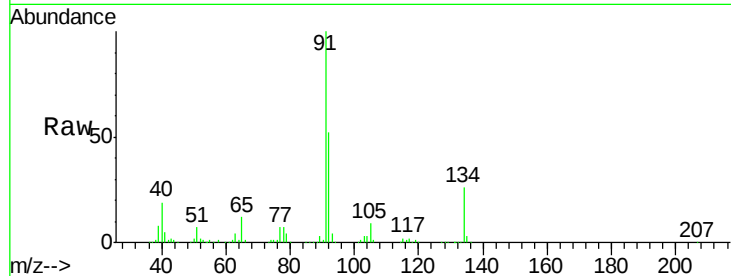
#89
n-Butylbenzene
Concen: 18.918 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VN0323WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	26.2	78.6	
134	26.1	14.3	42.9	

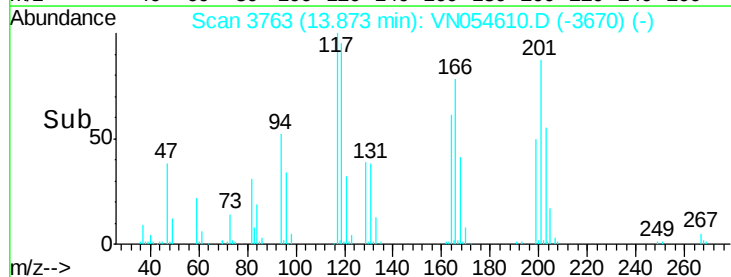
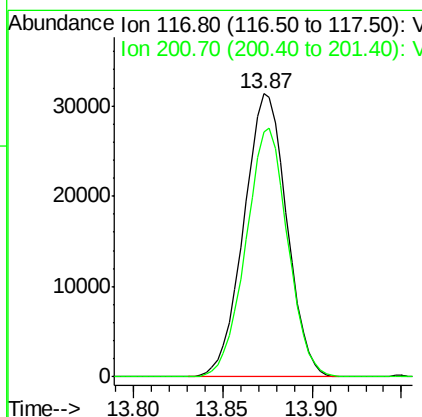
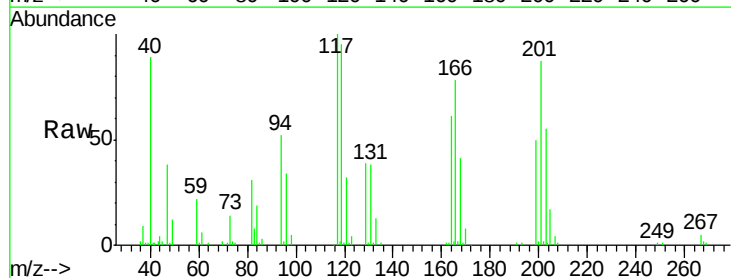
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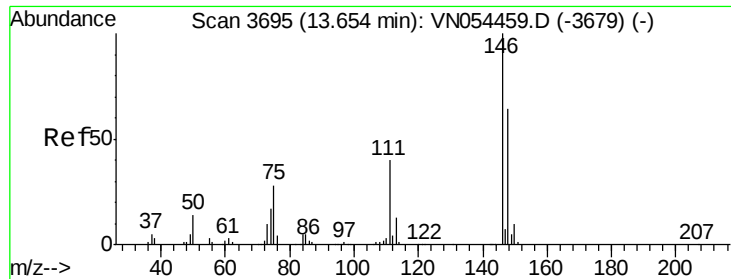
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#90
Hexachloroethane
Concen: 21.286 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054610.D
Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	48.1	144.4	





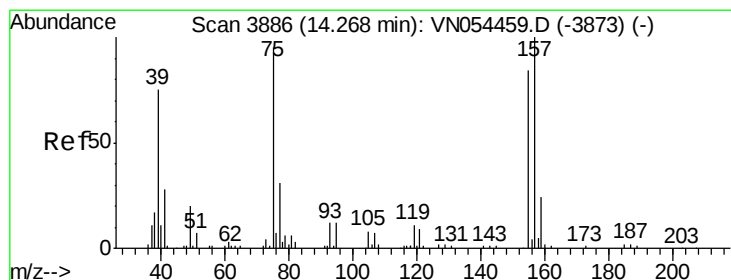
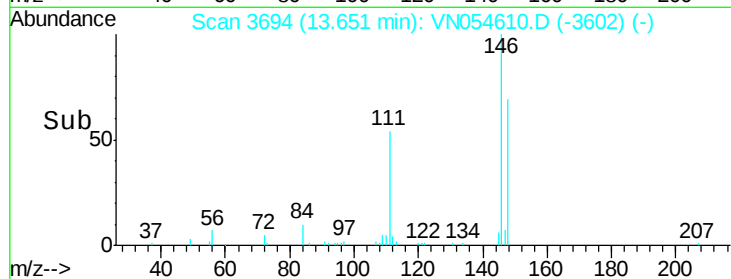
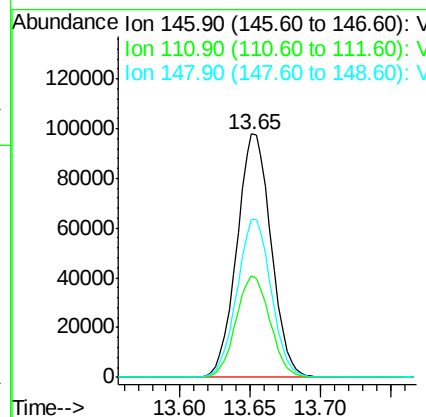
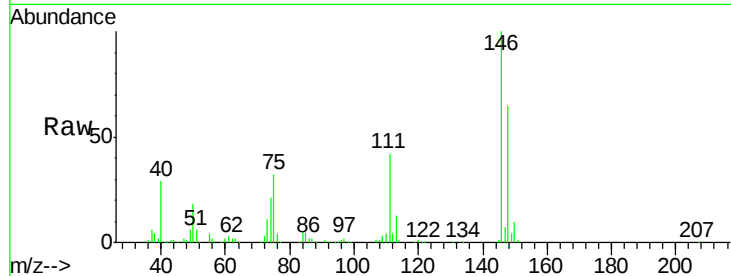
#91
 1,2-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.3
148	64.8	32.4	97.0

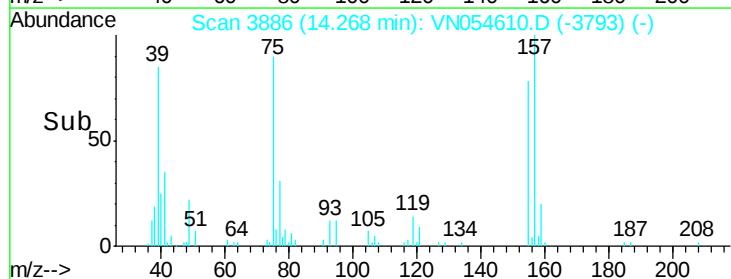
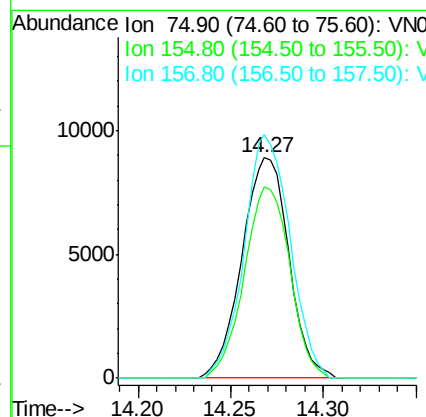
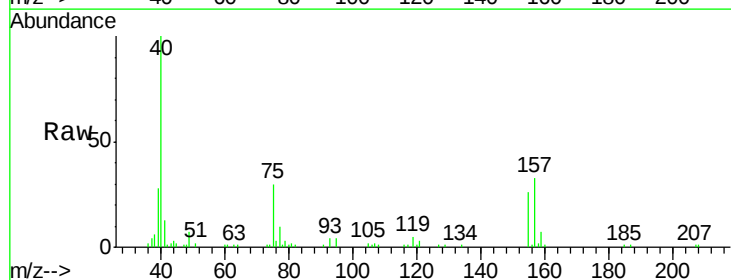
Manual Integrations
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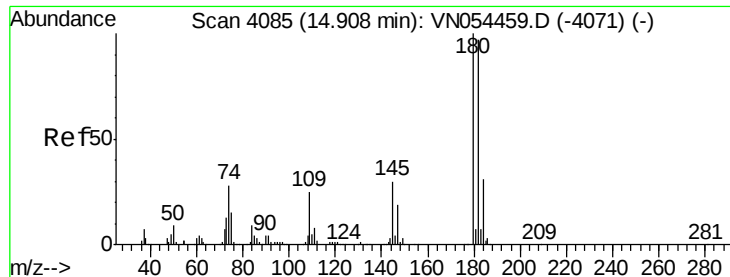
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.442 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	50.1	150.3
157	107.6	63.1	189.3





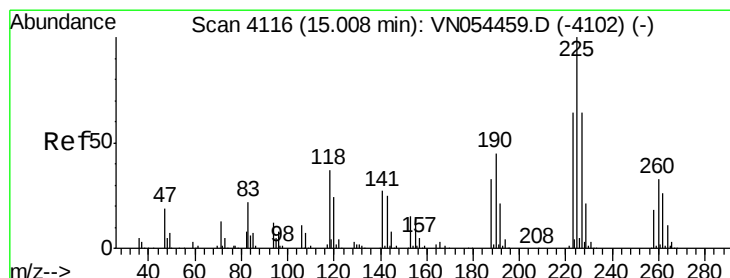
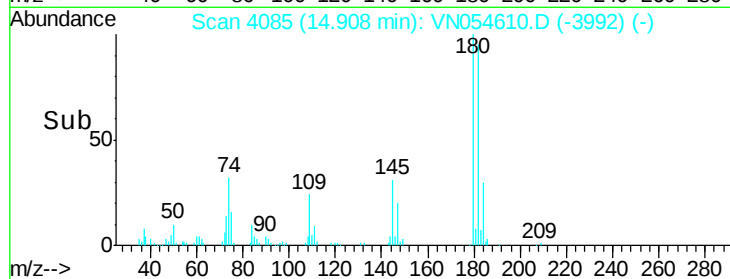
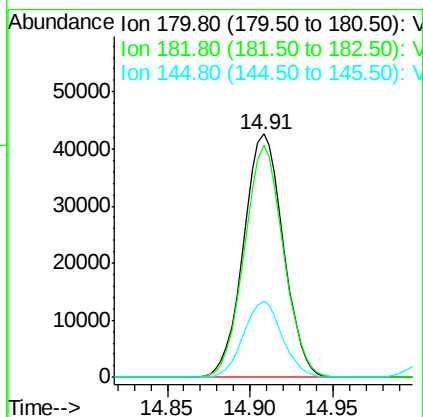
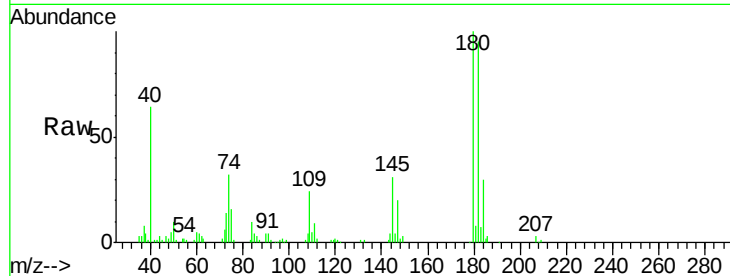
#93
 1,2,4-Trichlorobenzene
 Concen: 17.858 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.0	144.2
145	30.4	14.2	42.8

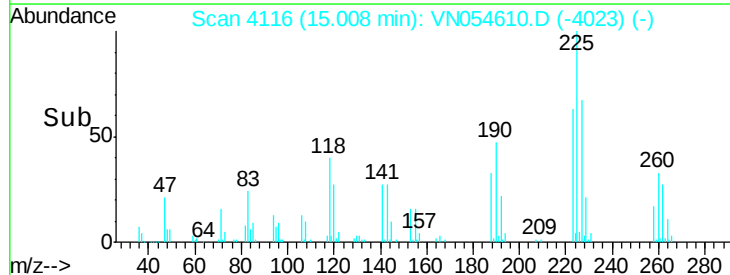
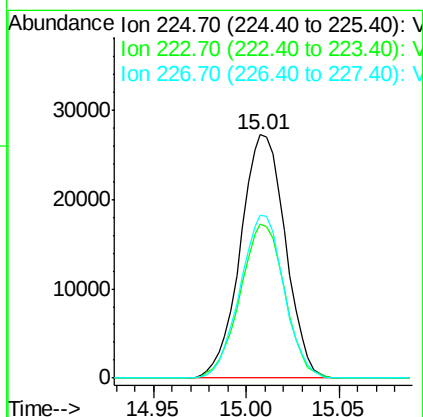
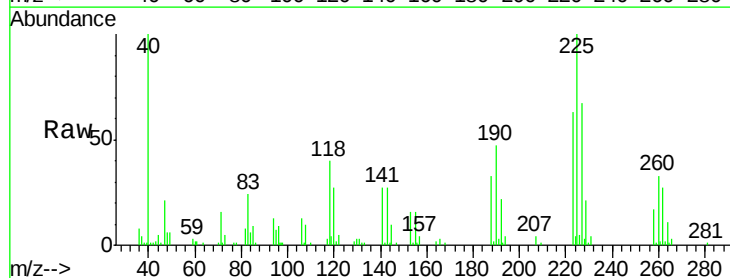
Manual Integrations
 APPROVED

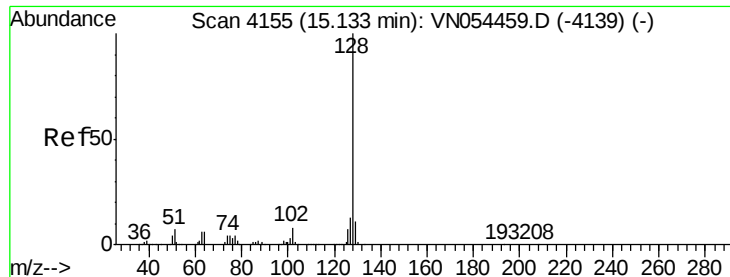
MMDadoda
 3/25/2019 10:23:49 AM



#94
 Hexachlorobutadiene
 Concen: 19.052 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054610.D
 Acq: 23 Mar 2019 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.5
227	65.3	31.9	95.9





#95

Naphthalene

Concen: 18.905 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Instrument :

MSVOA_N

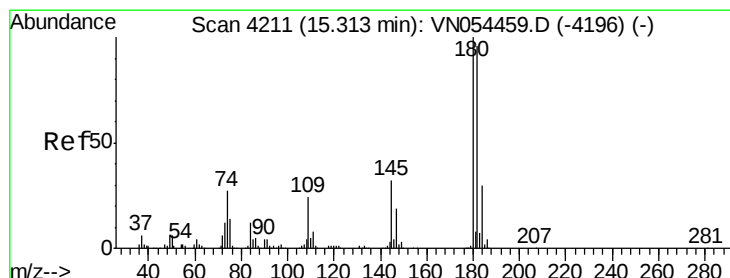
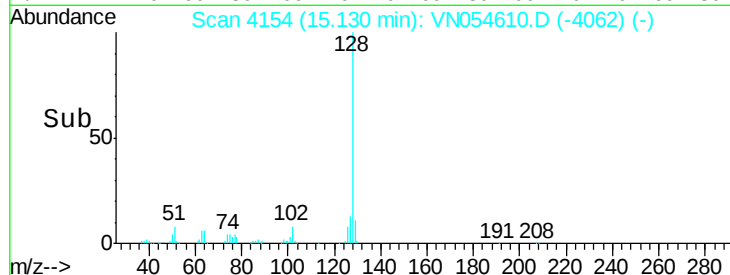
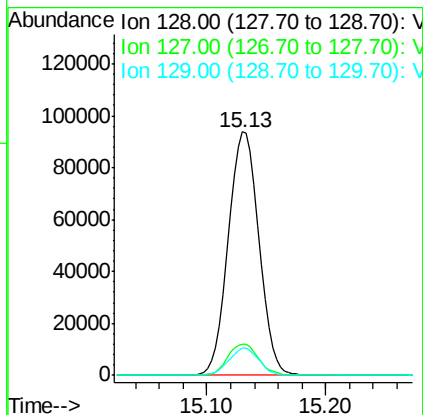
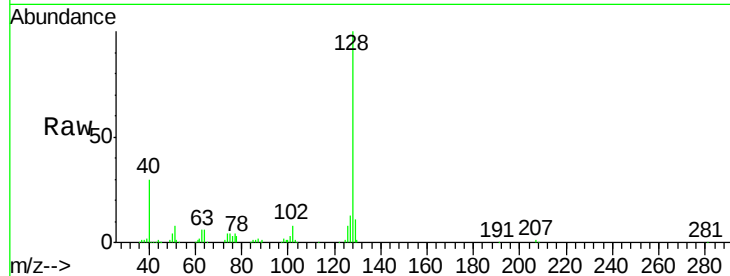
ClientSampleId :

VN0323WBSD01

Tot Ion:	128	Resp:	167672
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 10:23:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.320 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054610.D

Acq: 23 Mar 2019 17:49

Tgt Ion:	180	Resp:	72501
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.5	142.6
145	31.6	14.8	44.3

