

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103019\
 Data File : VN059019.D
 Acq On : 30 Oct 2019 10:54
 Operator : JC/SP
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:37:20 PM

Quant Time: Oct 31 04:49:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	386450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	279226	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	7.57	113	211835	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.08	98	777659	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	284819	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88935	18.458	ug/l	99
3) Chloromethane	2.04	50	114623	19.208	ug/l	100
4) Vinyl Chloride	2.17	62	116617	19.682	ug/l	97
5) Bromomethane	2.54	94	67105	18.086	ug/l	94
6) Chloroethane	2.68	64	71002	18.686	ug/l	95
7) Trichlorofluoromethane	3.00	101	147889	20.172	ug/l	97
8) Diethyl Ether	3.39	74	55326	21.838	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84777	20.859	ug/l	98
10) Methyl Iodide	3.93	142	97547	18.249	ug/l	98
11) Tert butyl alcohol	4.75	59	105027	111.664	ug/l	99
12) 1,1-Dichloroethene	3.72	96	81134	21.297	ug/l	92
13) Acrolein	3.59	56	39122	60.535	ug/l	99
14) Allyl chloride	4.30	41	165719	21.497	ug/l	96
15) Acrylonitrile	4.96	53	274419	115.989	ug/l	99
16) Acetone	3.79	43	312277	111.498	ug/l	98
17) Carbon Disulfide	4.03	76	218434	17.799	ug/l	100
18) Methyl Acetate	4.30	43	152910	24.014	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	294634	22.087	ug/l	99
20) Methylene Chloride	4.53	84	97904	20.472	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	87069	20.695	ug/l	96
22) Diisopropyl ether	5.92	45	340943	22.611	ug/l	100
23) Vinyl Acetate	5.87	43	1398976	115.479	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189139	21.633	ug/l	99
25) 2-Butanone	6.81	43	409149	112.538	ug/l	99
26) 2,2-Dichloropropane	6.80	77	163061	21.561	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	102408	21.308	ug/l	99
28) Bromochloromethane	7.17	49	62225	21.370	ug/l	99
29) Tetrahydrofuran	7.19	42	253493	113.978	ug/l	99
30) Chloroform	7.35	83	178385	20.340	ug/l	98
31) Cyclohexane	7.63	56	162101	19.901	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	153804	20.806	ug/l	98
36) 1,1-Dichloropropene	7.77	75	131494	21.239	ug/l	99
37) Ethyl Acetate	6.90	43	155110	22.993	ug/l	100
38) Carbon Tetrachloride	7.76	117	135073	21.177	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	143817	20.688	ug/l	99
40) Benzene	8.02	78	395408	21.749	ug/l	97
41) Methacrylonitrile	7.16	41	69196m	23.030	ug/l	
42) 1,2-Dichloroethane	8.11	62	148151	21.154	ug/l	99
43) Isopropyl Acetate	8.15	43	243596	22.515	ug/l	99
44) Trichloroethene	8.82	130	96932	21.887	ug/l	95
45) 1,2-Dichloropropane	9.11	63	110238	22.112	ug/l	97
46) Dibromomethane	9.19	93	67999	21.576	ug/l	97
47) Bromodichloromethane	9.39	83	142102	21.876	ug/l	100
48) Methyl methacrylate	9.19	41	111585	22.732	ug/l	96
49) 1,4-Dioxane	9.19	88	36227	449.577	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	784177	124.089	ug/l	100
52) Toluene	10.15	92	237685	22.046	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	155911	21.682	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	168873	21.981	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	97952	22.054	ug/l	97
56) Ethyl methacrylate	10.42	69	145409	20.770	ug/l	98
57) 1,3-Dichloropropane	10.70	76	170070	21.817	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	302727	99.578	ug/l	100
59) 2-Hexanone	10.75	43	584407	119.676	ug/l	99
60) Dibromochloromethane	10.90	129	103911	21.736	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101240	22.274	ug/l	98
64) Tetrachloroethene	10.63	164	83485	21.377	ug/l	99
65) Chlorobenzene	11.43	112	250165	22.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	97472	22.752	ug/l	99
67) Ethyl Benzene	11.51	91	452528	22.722	ug/l	99
68) m/p-Xylenes	11.62	106	335108	45.372	ug/l	99
69) o-Xylene	11.95	106	159837	22.691	ug/l	98
70) Styrene	11.97	104	259610	20.996	ug/l	99
71) Bromoform	12.13	173	74543	22.438	ug/l #	99
73) Isopropylbenzene	12.25	105	435165	22.835	ug/l	99
74) N-amyl acetate	12.07	43	193914	22.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	154827	23.106	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	147486m	24.404	ug/l	
77) Bromobenzene	12.53	156	105058	22.366	ug/l	100
78) n-propylbenzene	12.59	91	514438	22.837	ug/l	100
79) 2-Chlorotoluene	12.68	91	308872	22.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	368089	22.989	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51951	22.394	ug/l	99
82) 4-Chlorotoluene	12.78	91	311098	22.081	ug/l	99
83) tert-Butylbenzene	13.00	119	313335	22.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	366871	23.231	ug/l	98
85) sec-Butylbenzene	13.17	105	420039	23.010	ug/l	99
86) p-Isopropyltoluene	13.29	119	367820	22.836	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	181876	21.655	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	180458	21.460	ug/l	99
89) n-Butylbenzene	13.62	91	318667	21.537	ug/l	99
90) Hexachloroethane	13.88	117	72251	22.137	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	184860	22.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31575	20.834	ug/l	97

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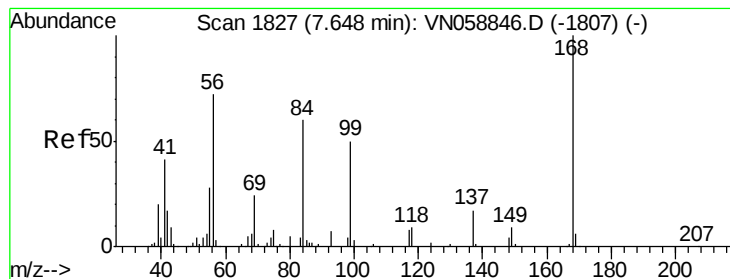
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	96638	20.179	ug/l	99
94) Hexachlorobutadiene	15.01	225	60035	22.438	ug/l	97
95) Naphthalene	15.13	128	259163	18.804	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97614	20.765	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

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MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion:168 Resp: 386450

Ion Ratio Lower Upper

168 100

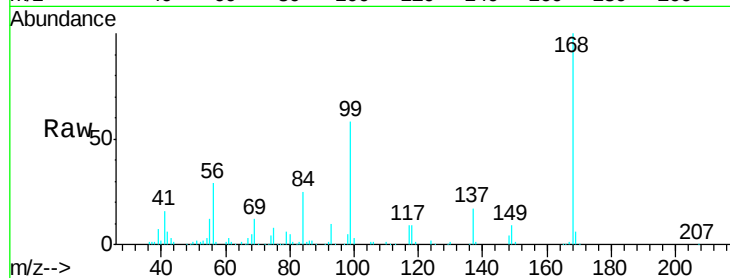
99 58.3 48.1 72.1

Manual Integrations

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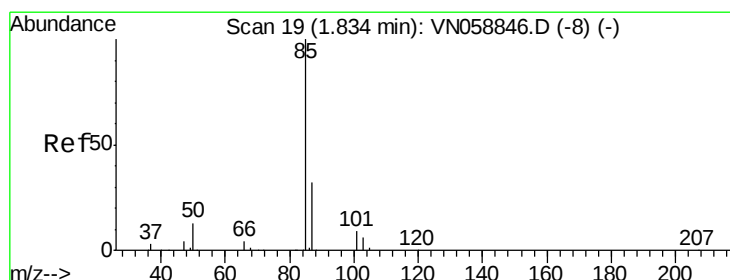
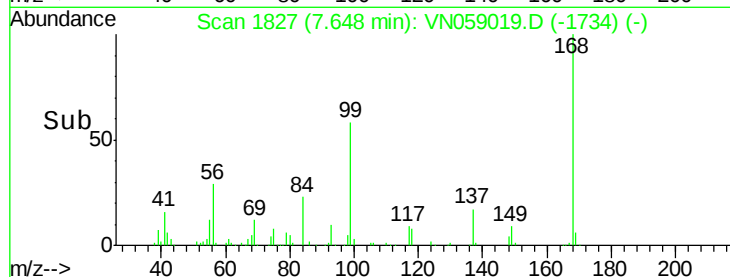
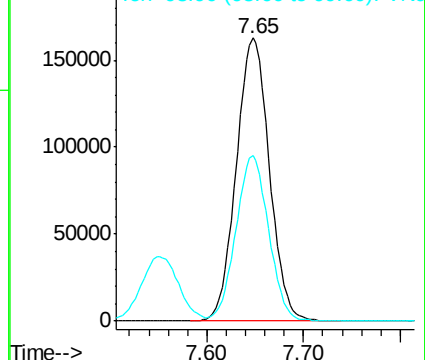
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.458 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059019.D

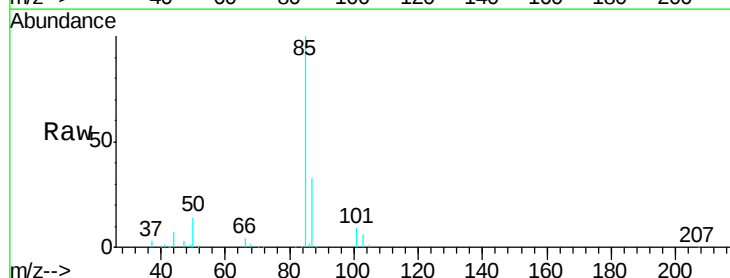
Acq: 30 Oct 2019 10:54

Tgt Ion: 85 Resp: 88935

Ion Ratio Lower Upper

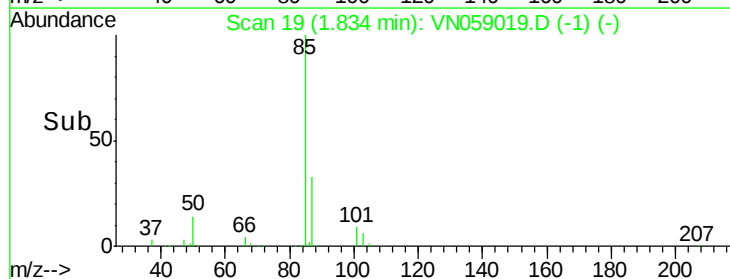
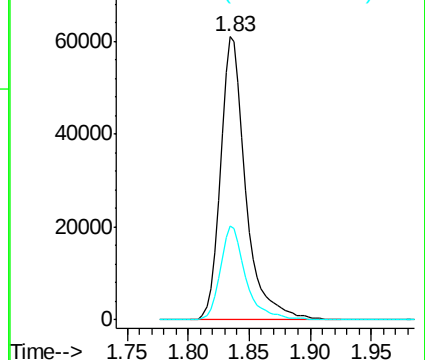
85 100

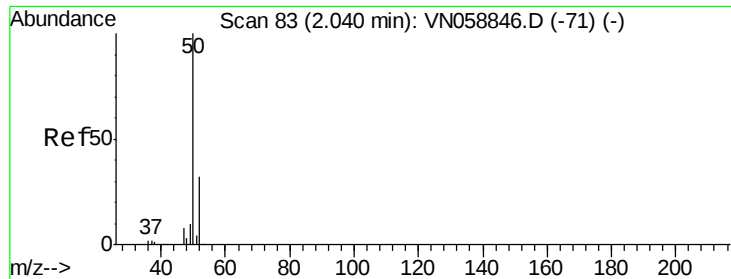
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.208 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 50 Resp: 114623

Ion Ratio Lower Upper

50 100

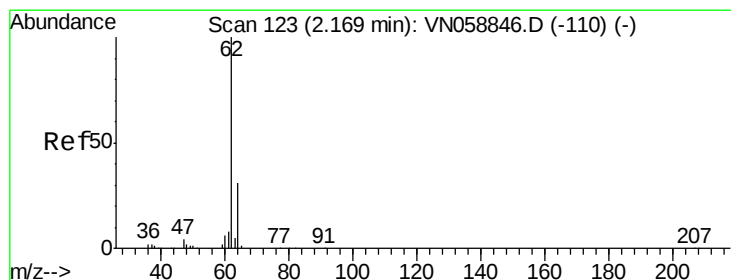
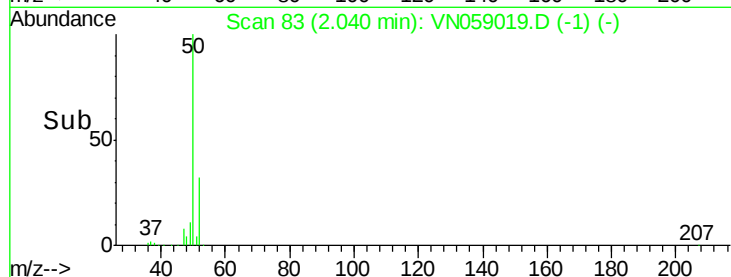
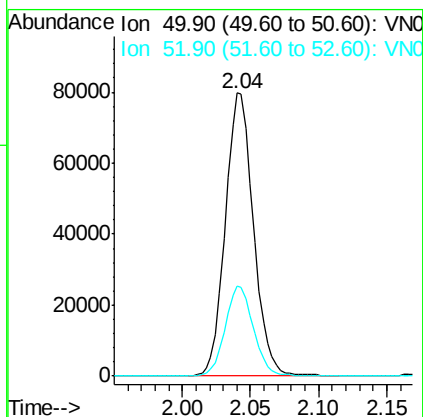
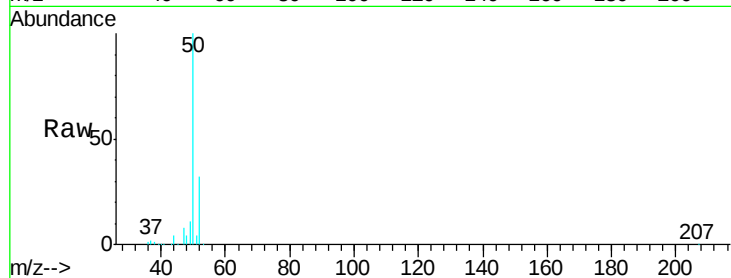
52 32.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.682 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059019.D

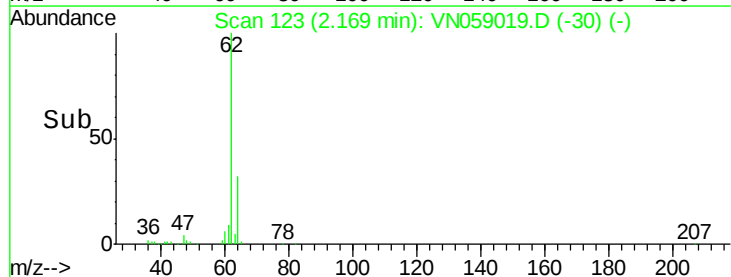
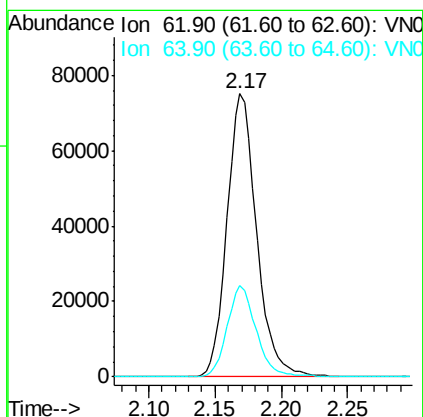
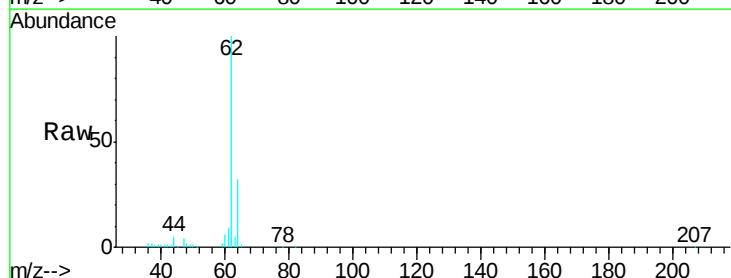
Acq: 30 Oct 2019 10:54

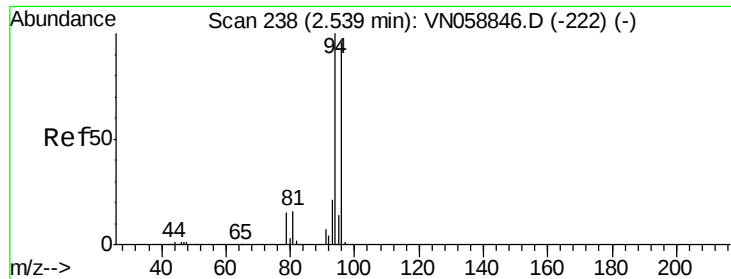
Tgt Ion: 62 Resp: 116617

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8





#5

Bromomethane

Concen: 18.086 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 94 Resp: 67105

Ion Ratio Lower Upper

94 100

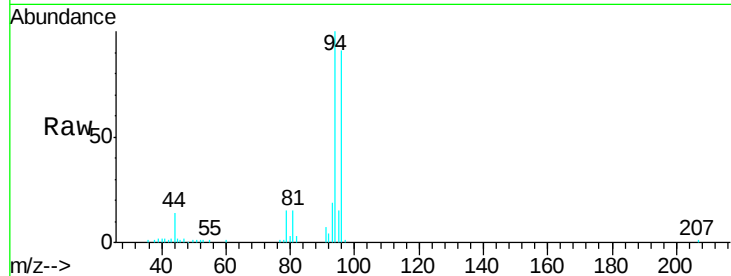
96 90.7 77.0 115.6

Manual Integrations

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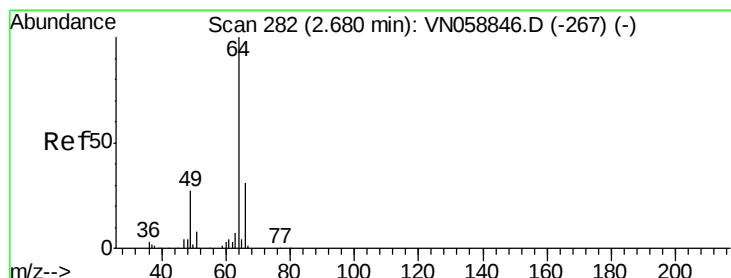
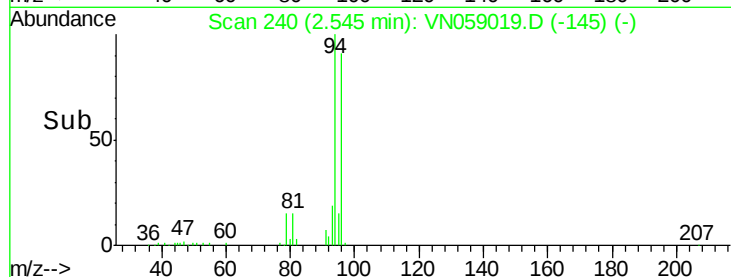
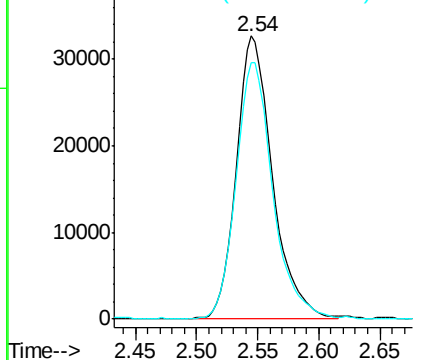
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.686 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059019.D

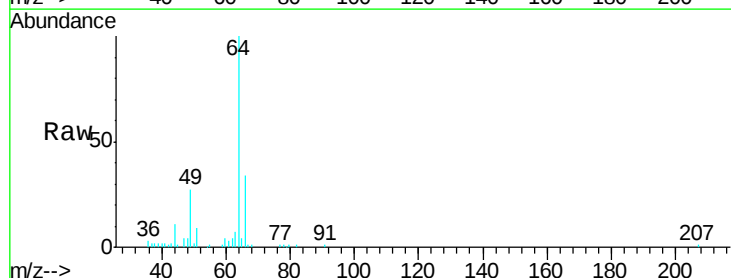
Acq: 30 Oct 2019 10:54

Tgt Ion: 64 Resp: 71002

Ion Ratio Lower Upper

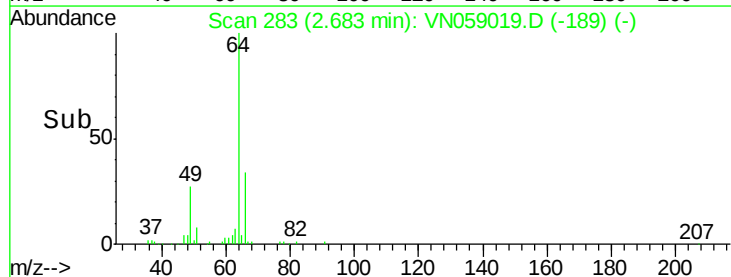
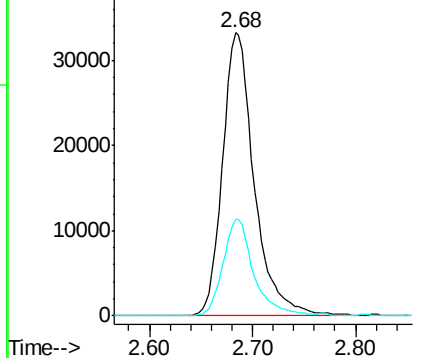
64 100

66 34.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

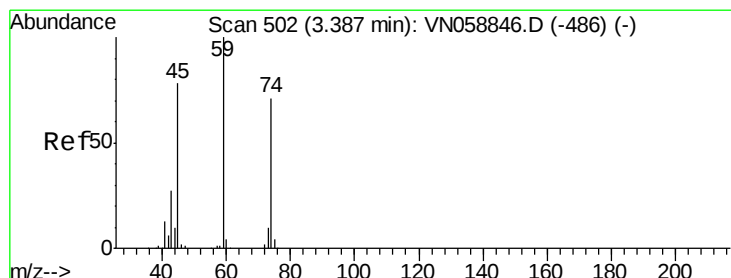
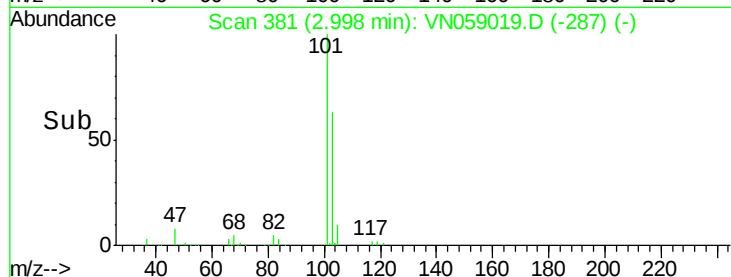
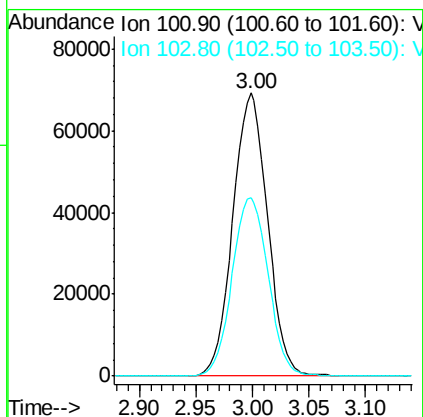
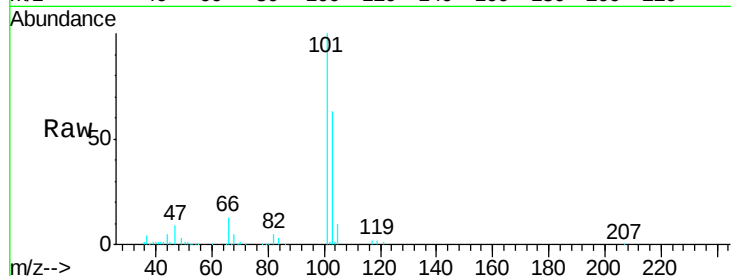
Trichlorofluoromethane
Concen: 20.172 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059019.D
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VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	147889		
103	63.1	52.2	78.2	

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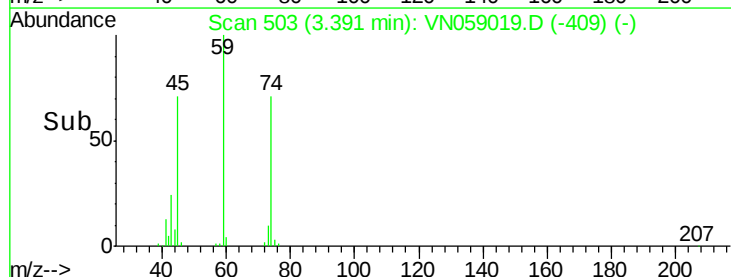
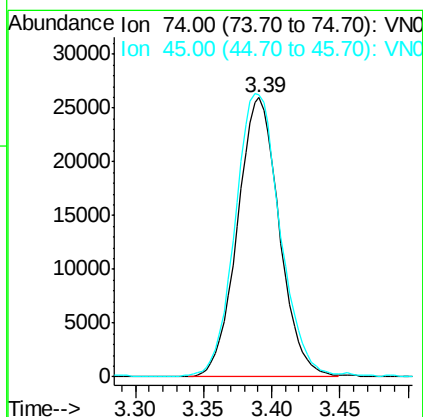
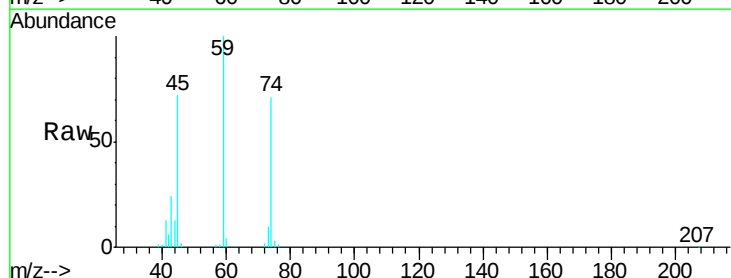
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10/31/2019 3:37:20 PM

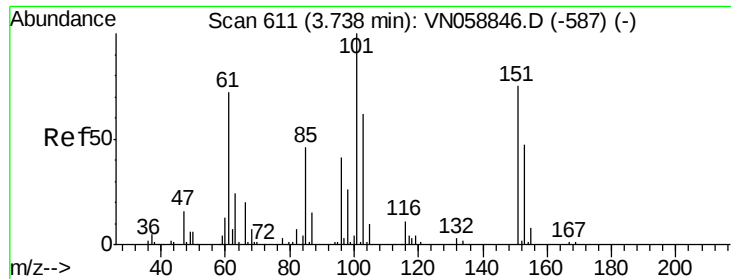


#8

Diethyl Ether
Concen: 21.838 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059019.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55326		
45	109.1	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.859 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

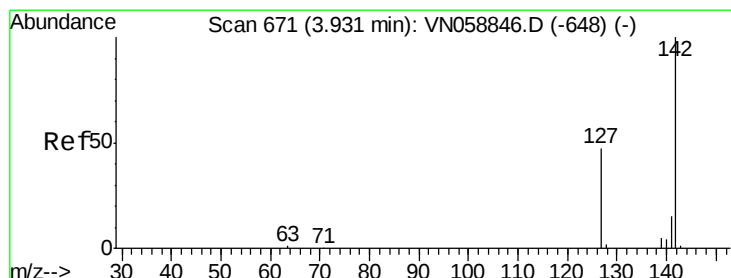
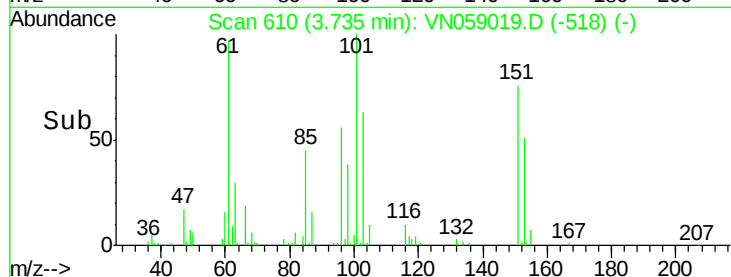
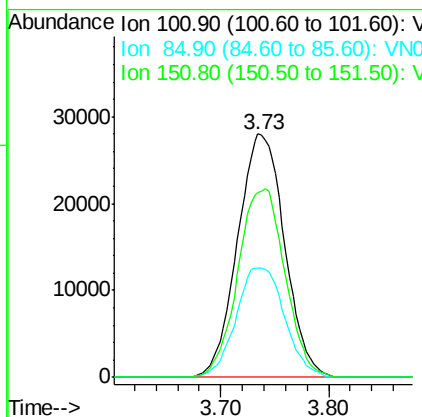
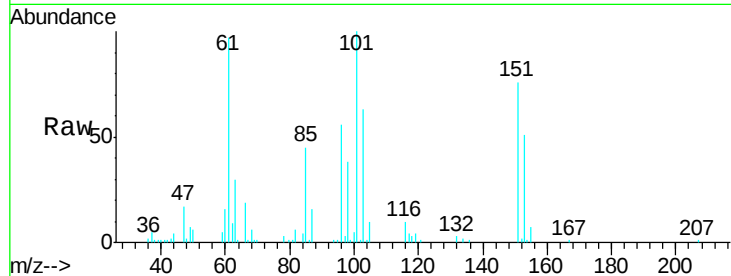
ClientSampleId :

VN1030WBS01

Tgt Ion:	101	Resp:	84777
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	77.7	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.249 ug/l

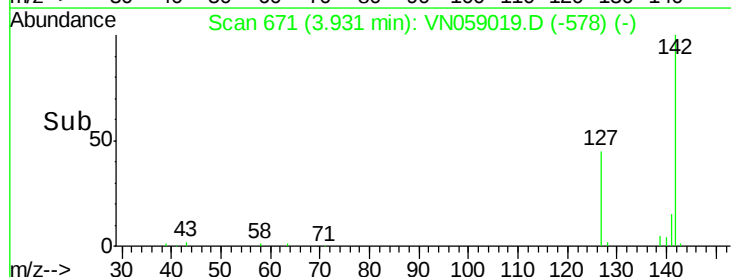
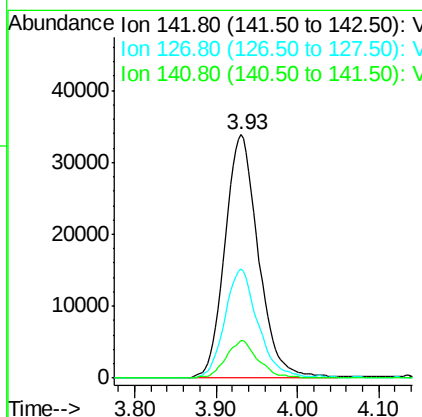
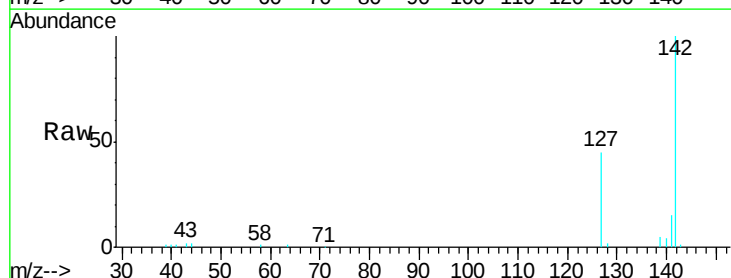
RT: 3.93 min Scan# 671

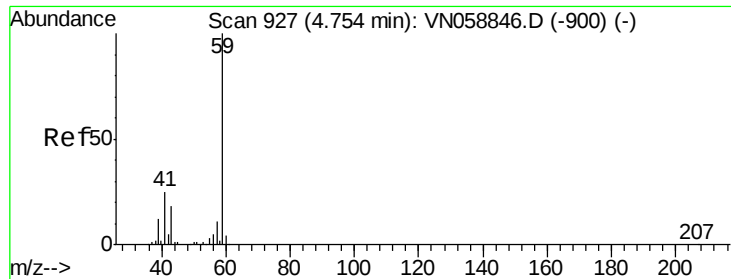
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	142	Resp:	97547
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.6	54.8
141	14.7	11.4	17.2





#11

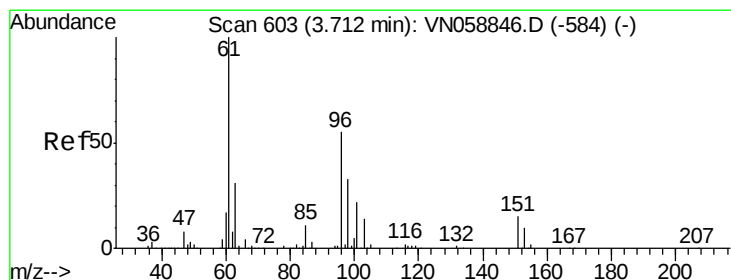
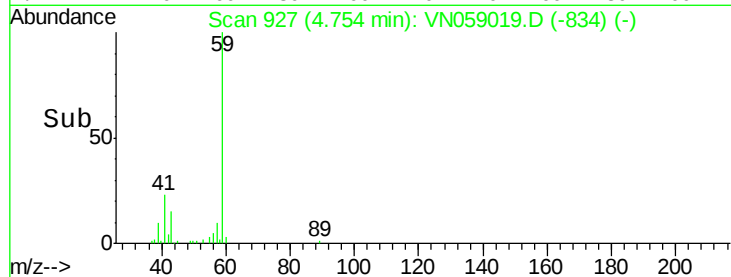
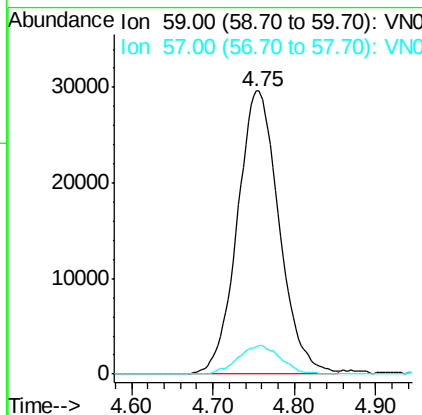
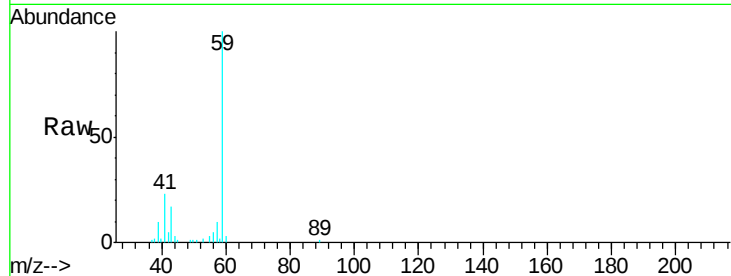
Tert butyl alcohol
 Concen: 111.664 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion: 59 Resp: 105027
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

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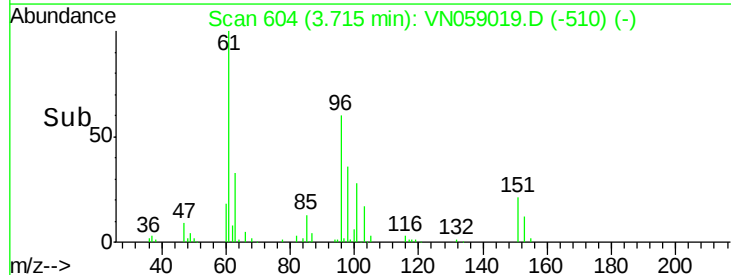
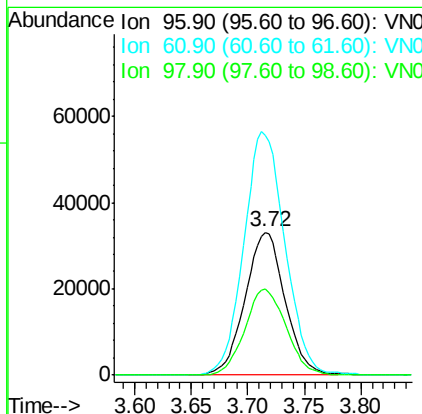
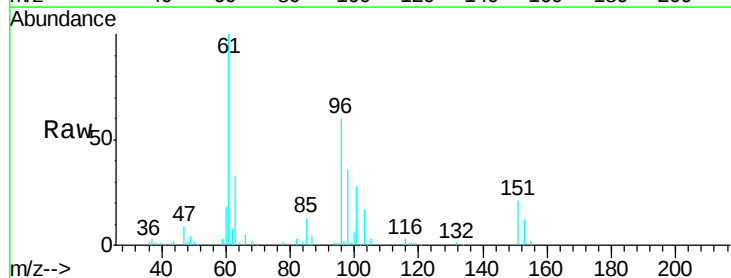
MMDadoda
 10/31/2019 3:37:20 PM

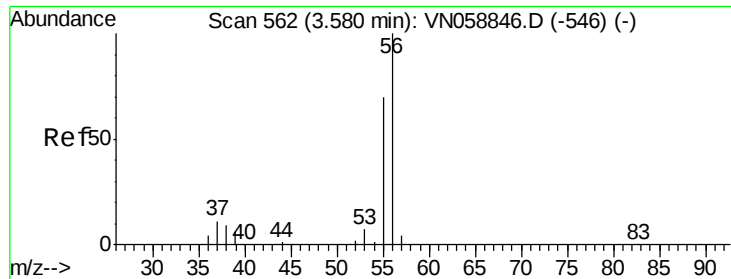


#12

1,1-Dichloroethene
 Concen: 21.297 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion: 96 Resp: 81134
 Ion Ratio Lower Upper
 96 100
 61 168.0 146.2 219.2
 98 59.9 48.7 73.1





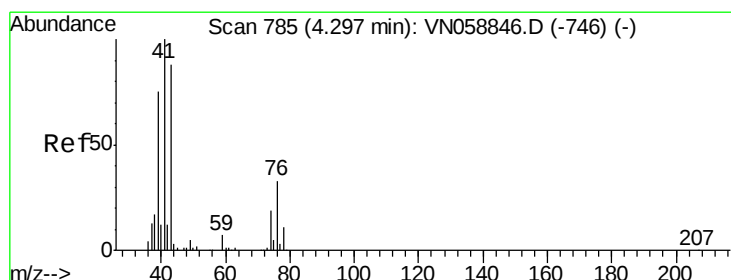
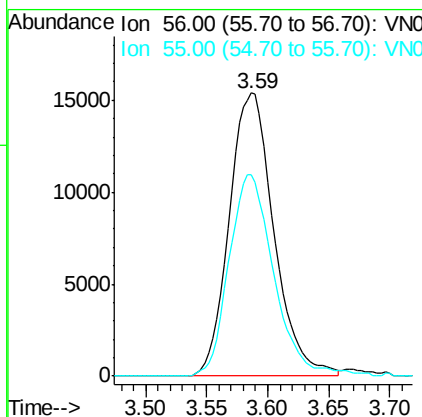
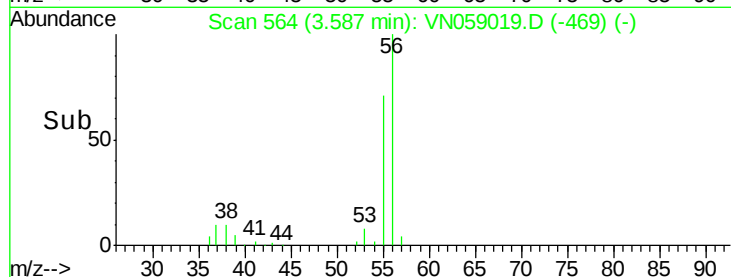
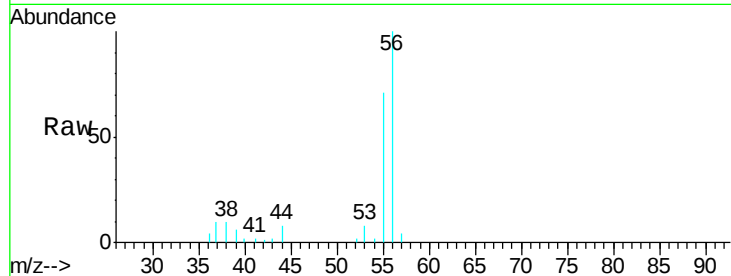
#13
Acrolein
Concen: 60.535 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 56 Resp: 39122
Ion Ratio Lower Upper
56 100
55 71.5 56.6 85.0

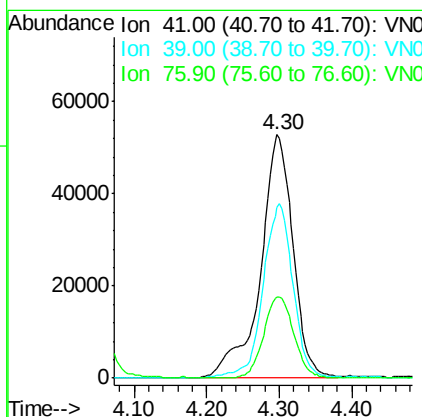
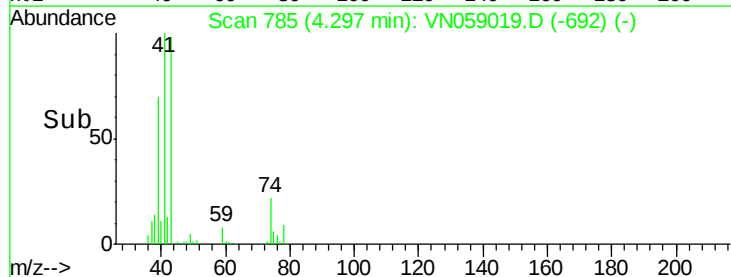
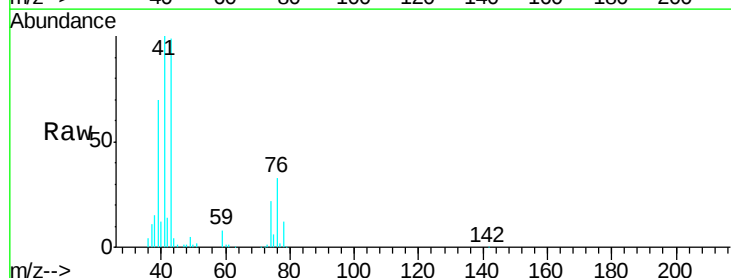
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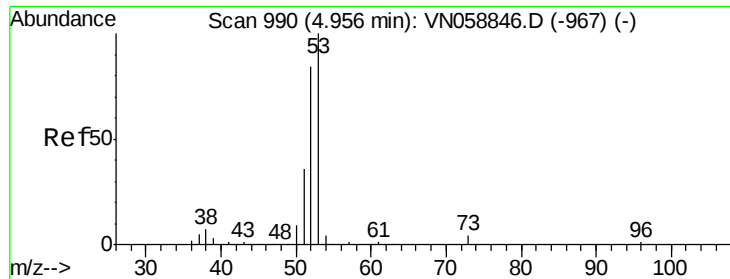
MMDadoda
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#14
Allyl chloride
Concen: 21.497 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 41 Resp: 165719
Ion Ratio Lower Upper
41 100
39 65.5 55.9 83.9
76 30.7 24.1 36.1





#15

Acrylonitrile

Concen: 115.989 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

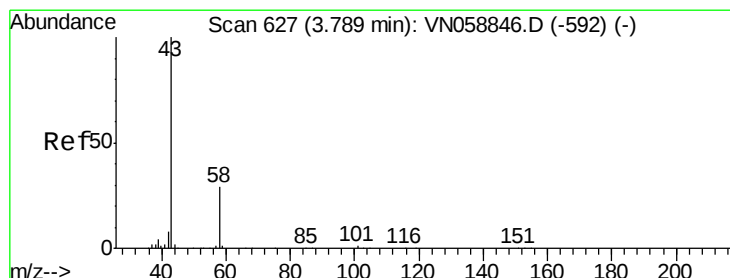
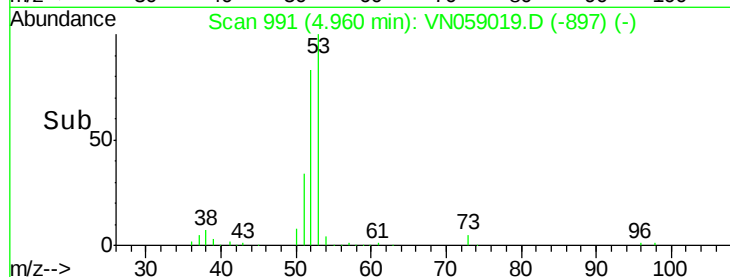
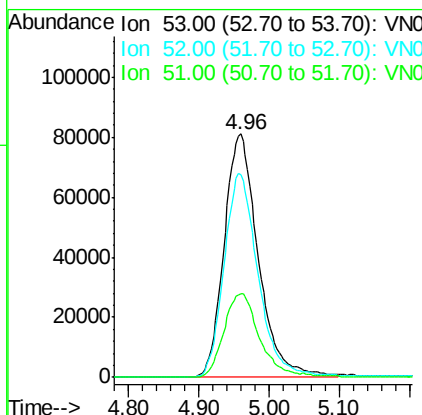
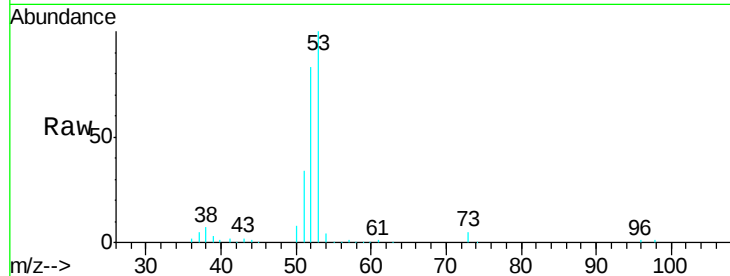
ClientSampleId :

VN1030WBS01

Tgt Ion:	53	Resp:	274419
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	35.3	29.2	43.8

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#16

Acetone

Concen: 111.498 ug/l

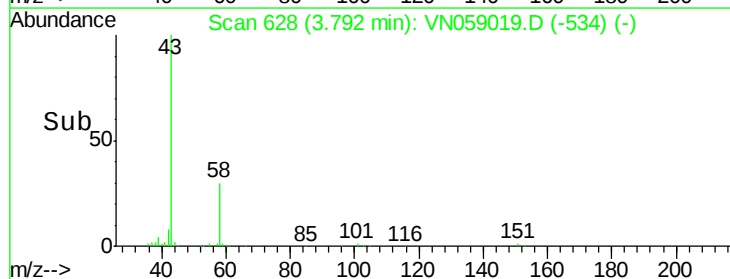
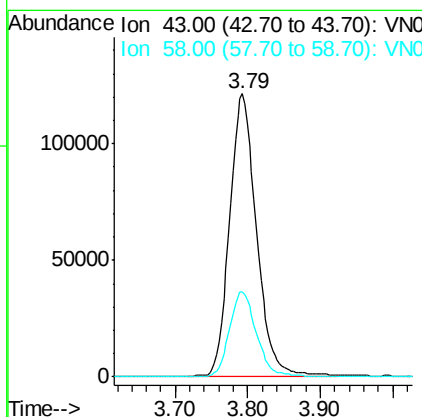
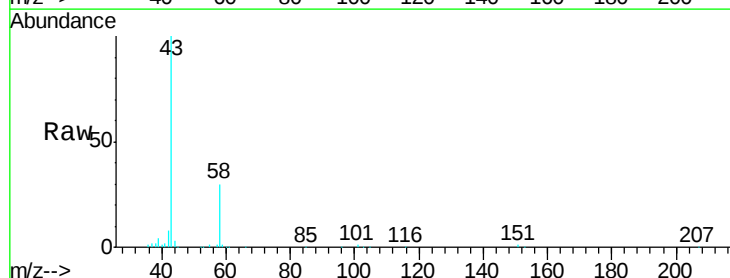
RT: 3.79 min Scan# 628

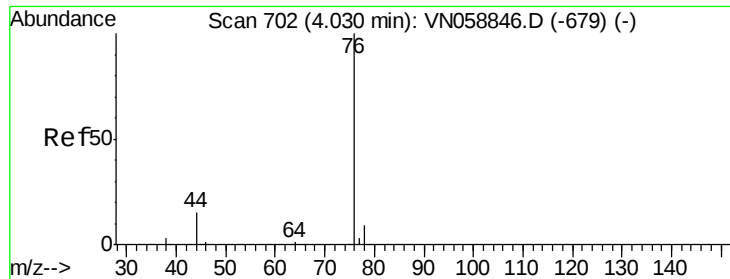
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	43	Resp:	312277
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.1	34.7





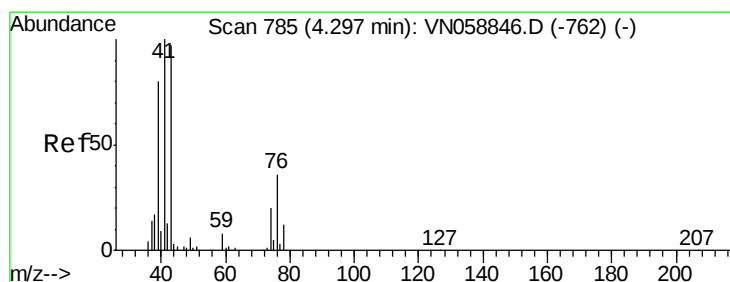
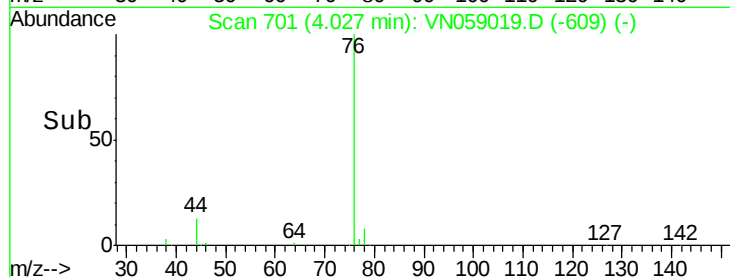
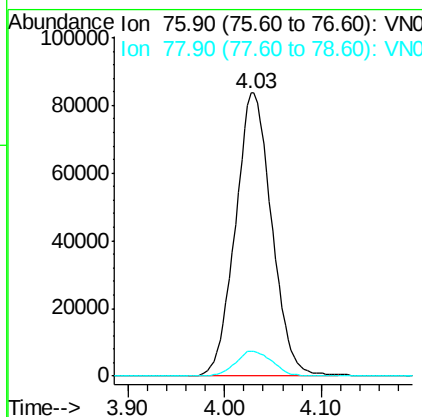
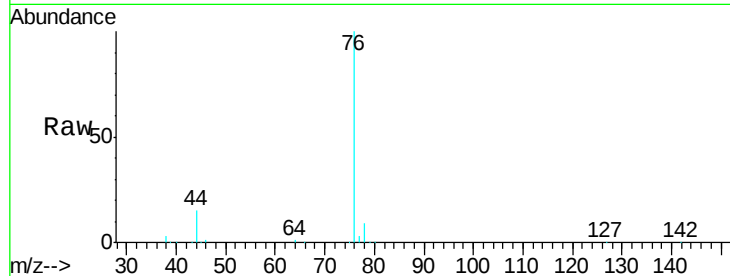
#17
Carbon Disulfide
Concen: 17.799 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 76 Resp: 218434
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

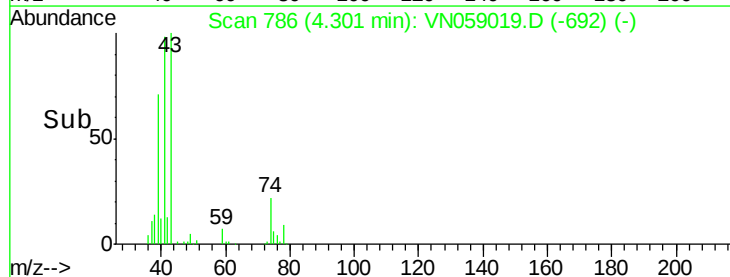
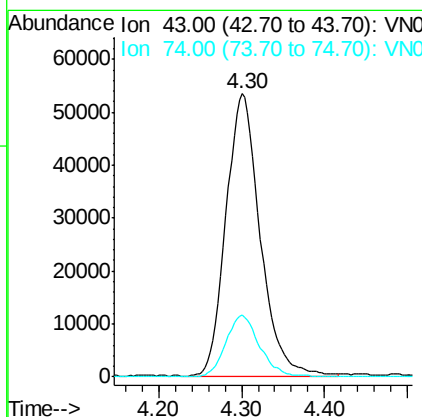
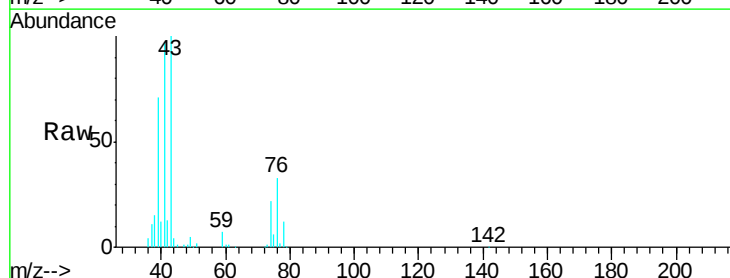
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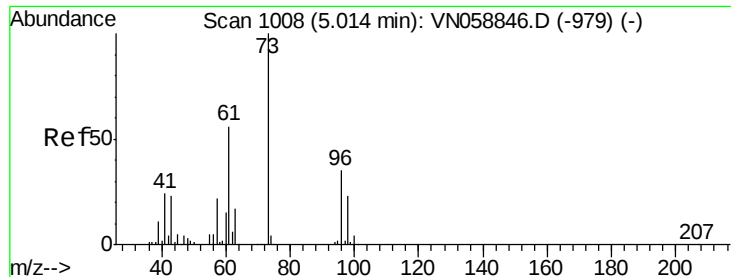
MMDadoda
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#18
Methyl Acetate
Concen: 24.014 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 43 Resp: 152910
Ion Ratio Lower Upper
43 100
74 21.5 17.1 25.7





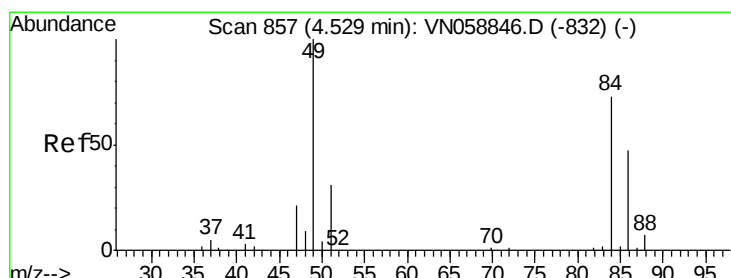
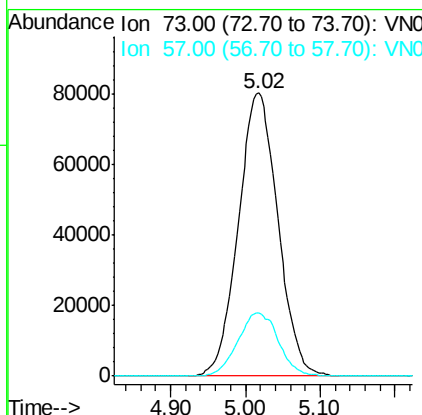
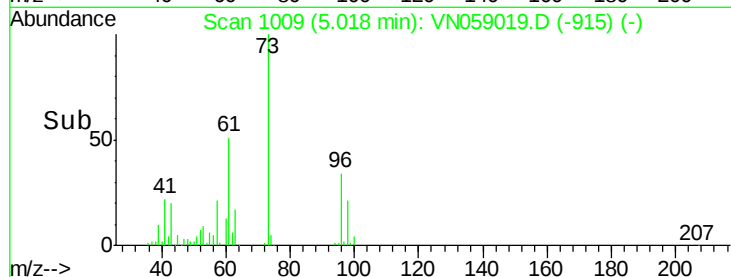
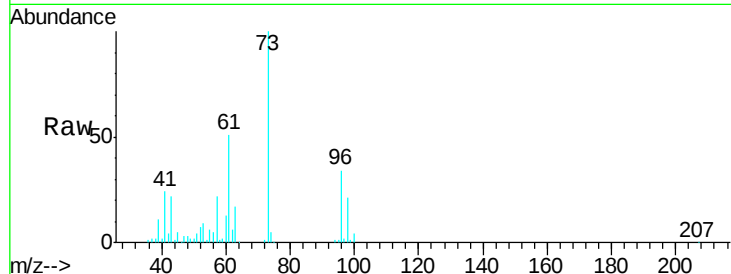
#19
Methyl tert-butyl Ether
Concen: 22.087 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 73 Resp: 294634
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

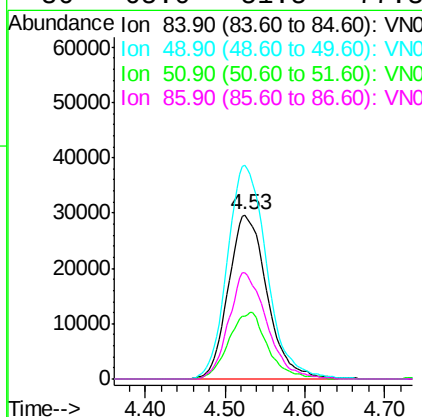
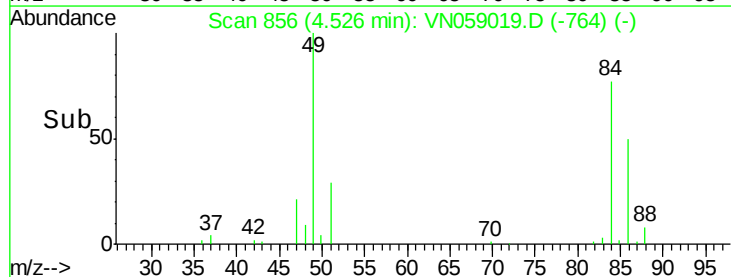
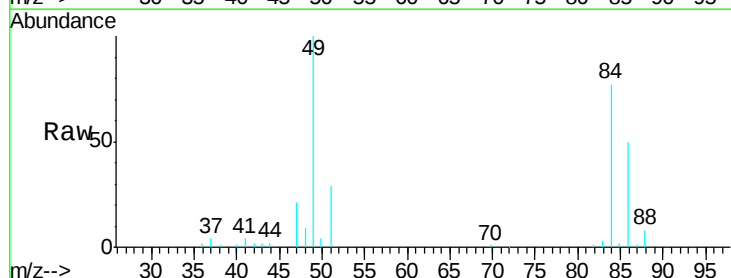
Manual Integrations
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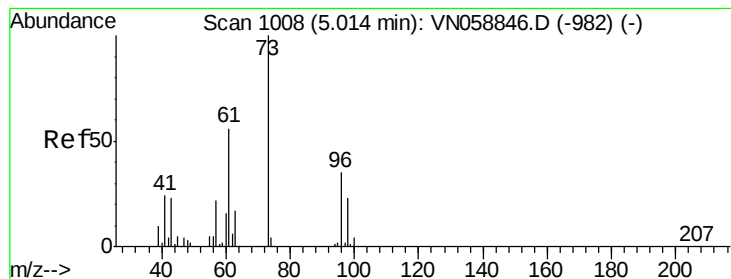
MMDadoda
10/31/2019 3:37:20 PM



#20
Methylene Chloride
Concen: 20.472 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 84 Resp: 97904
Ion Ratio Lower Upper
84 100
49 130.3 109.6 164.4
51 38.2 33.8 50.6
86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.695 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tgt Ion: 96 Resp: 87069

Ion Ratio Lower Upper

96 100

61 152.3 126.7 190.1

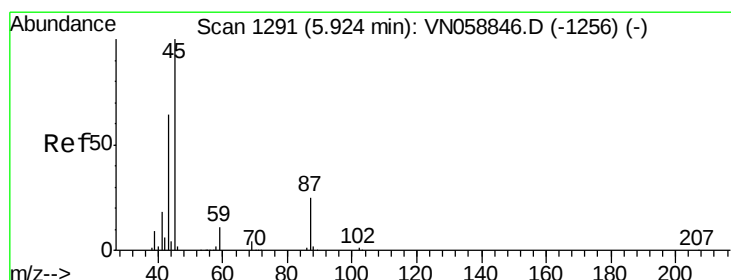
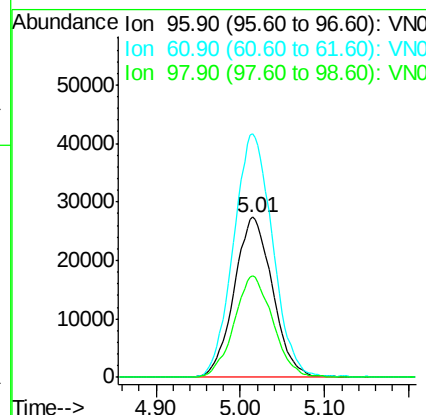
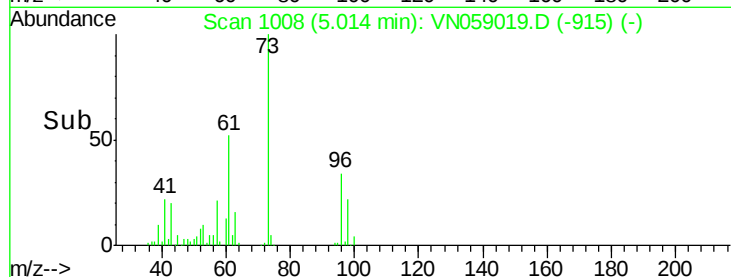
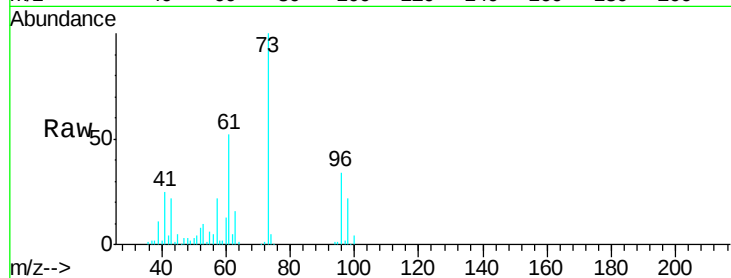
98 63.8 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 22.611 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion: 45 Resp: 340943

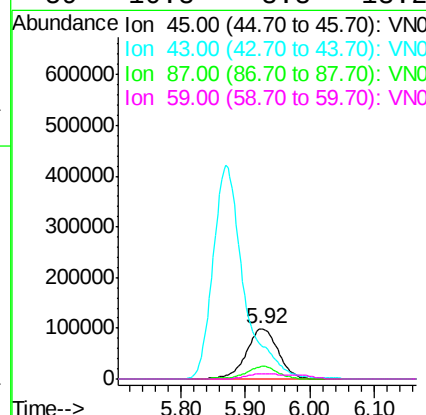
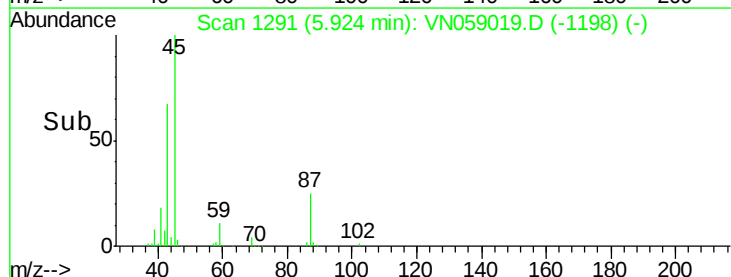
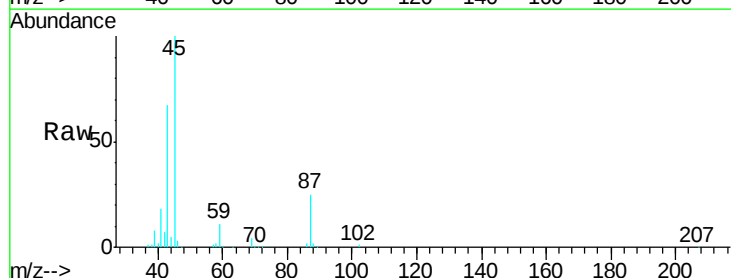
Ion Ratio Lower Upper

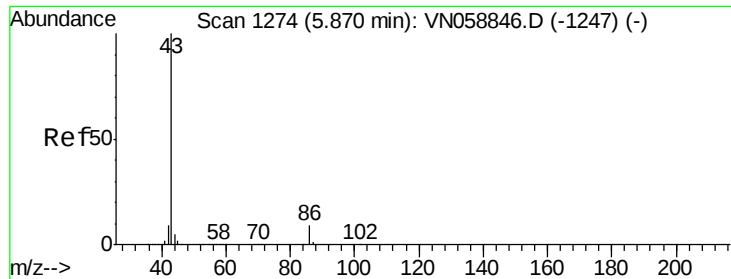
45 100

43 66.1 52.9 79.3

87 25.0 20.2 30.4

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 115.479 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 43 Resp: 1398976

Ion Ratio Lower Upper

43 100

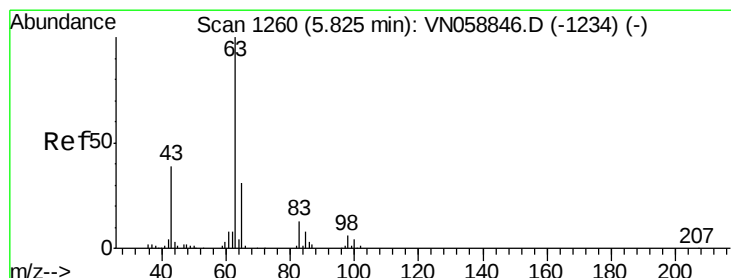
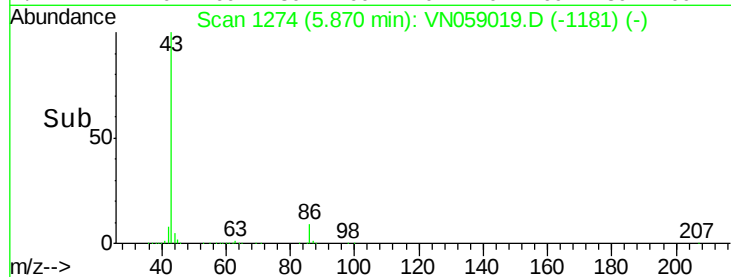
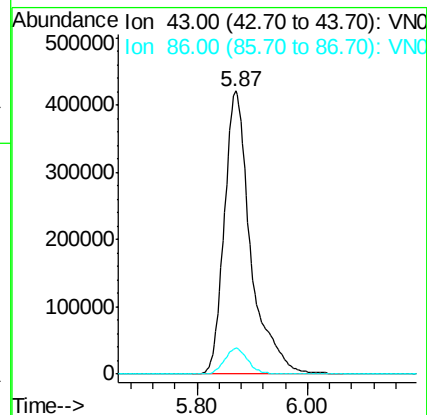
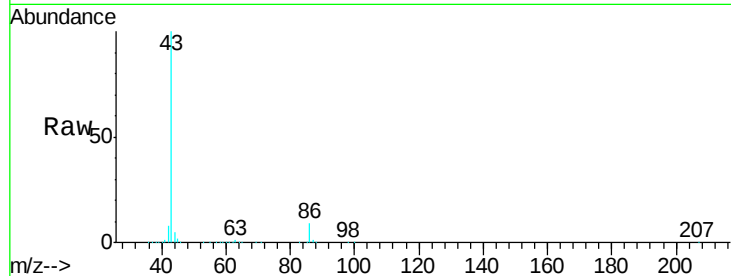
86 9.2 7.2 10.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 21.633 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

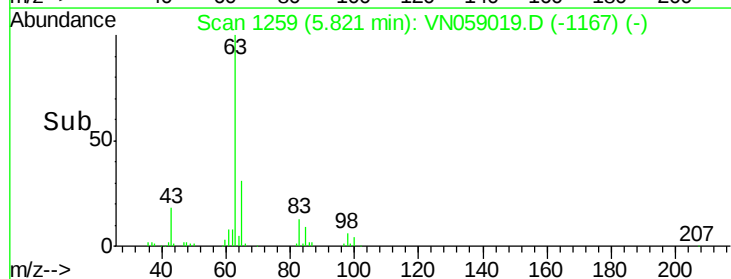
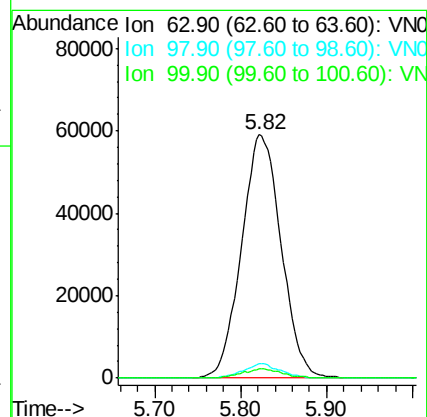
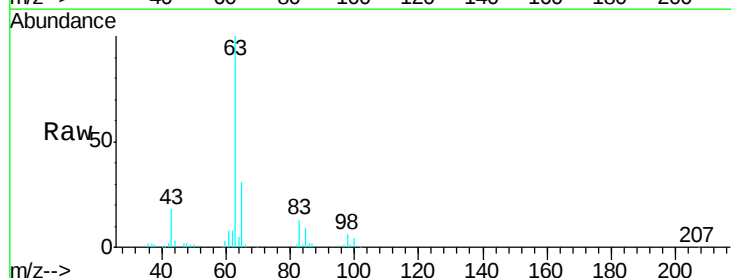
Tgt Ion: 63 Resp: 189139

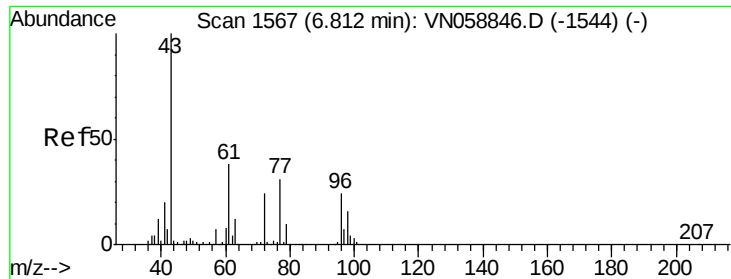
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 1.9 5.7





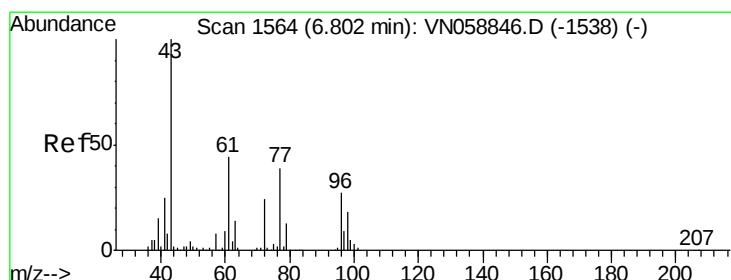
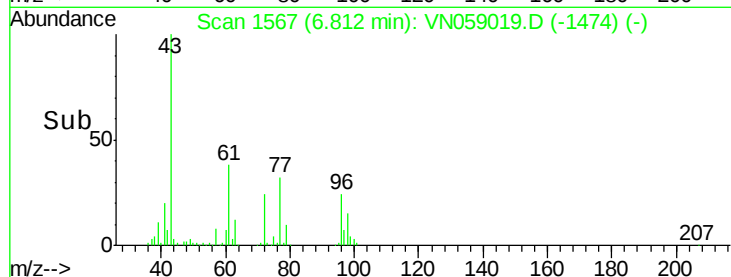
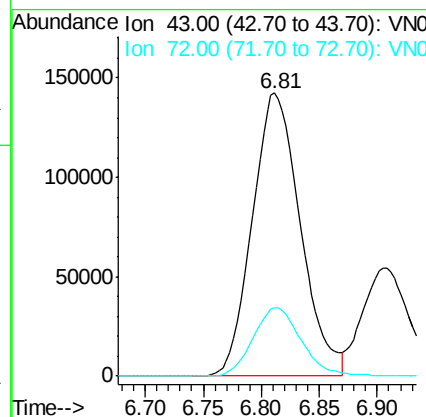
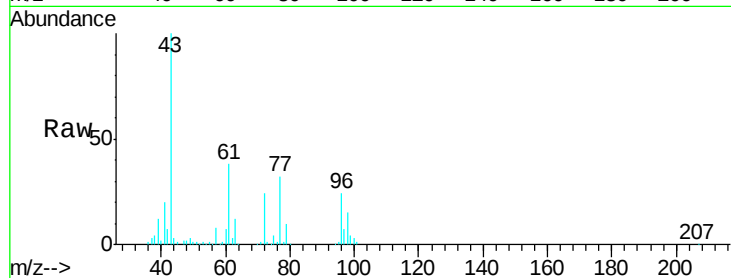
#25
2-Butanone
Concen: 112.538 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 43 Resp: 409149
Ion Ratio Lower Upper
43 100
72 24.3 19.1 28.7

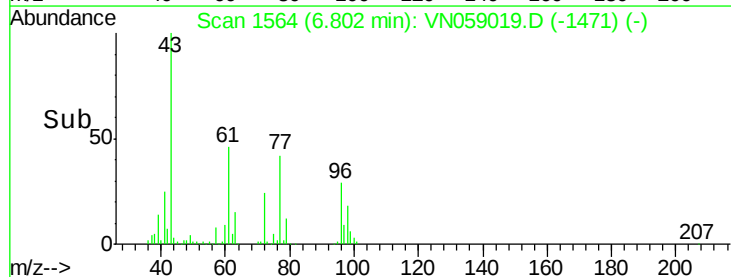
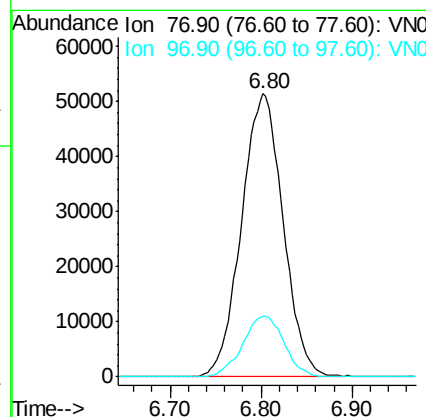
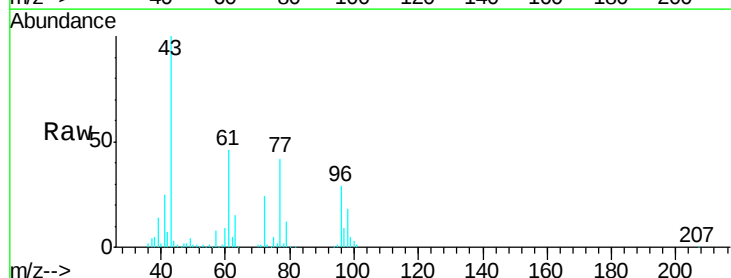
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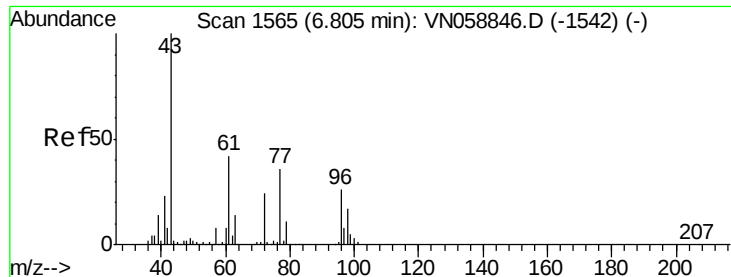
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.561 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 77 Resp: 163061
Ion Ratio Lower Upper
77 100
97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 21.308 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

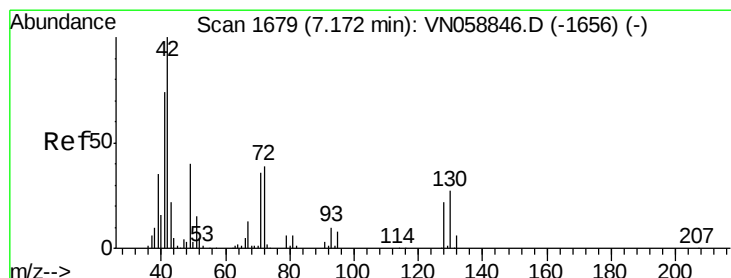
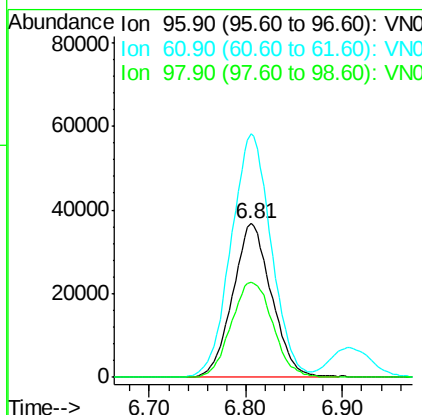
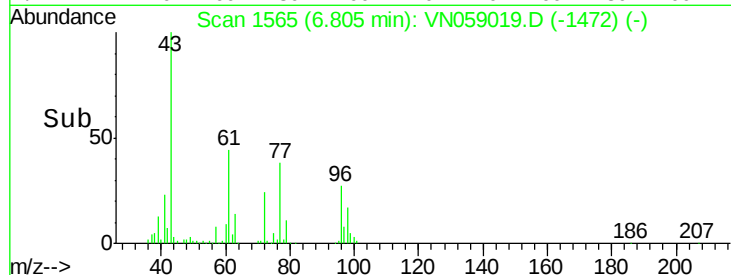
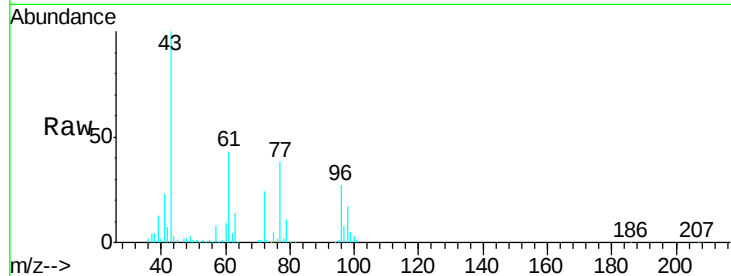
ClientSampleId :

VN1030WBS01

Tgt Ion:	96	Resp:	102408
Ion Ratio	Lower	Upper	
96	100		
61	163.7	0.0	325.0
98	66.1	0.0	128.0

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#28

Bromochloromethane

Concen: 21.370 ug/l

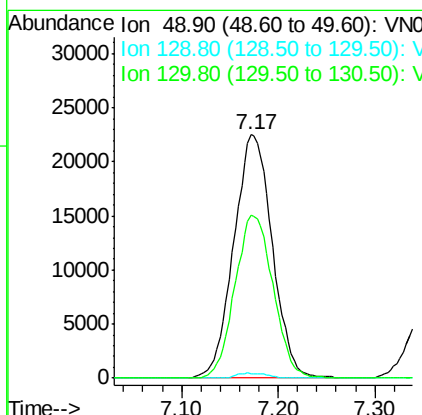
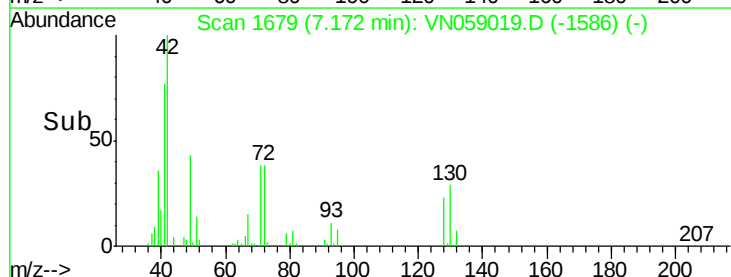
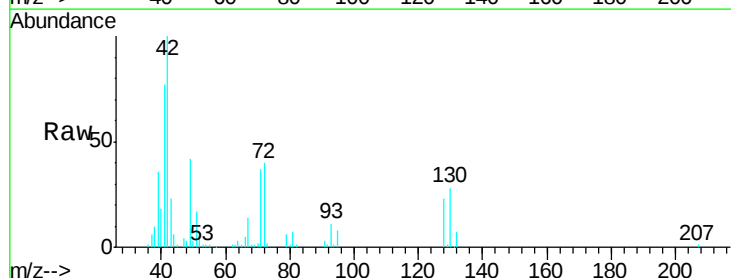
RT: 7.17 min Scan# 1679

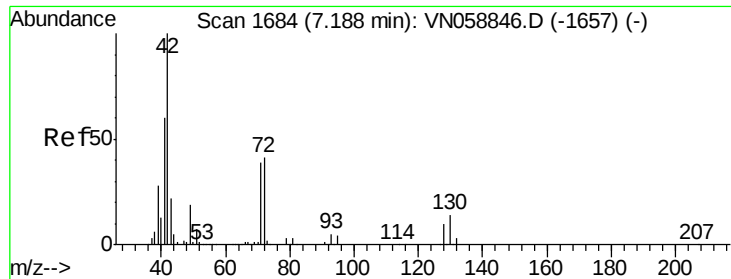
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	49	Resp:	62225
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.2
130	66.4	53.5	80.3





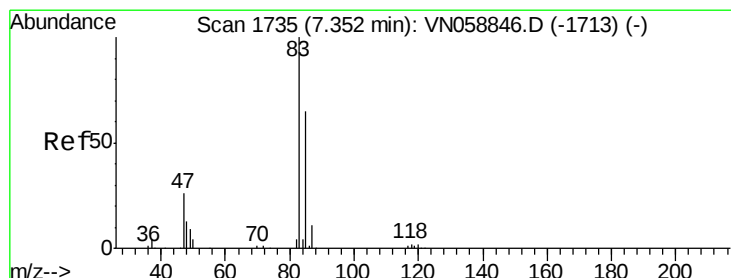
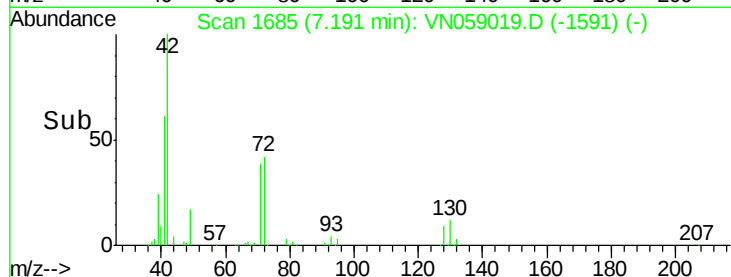
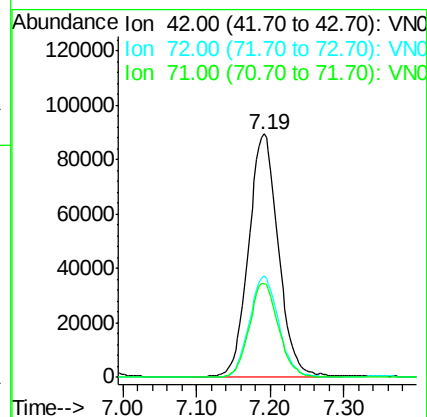
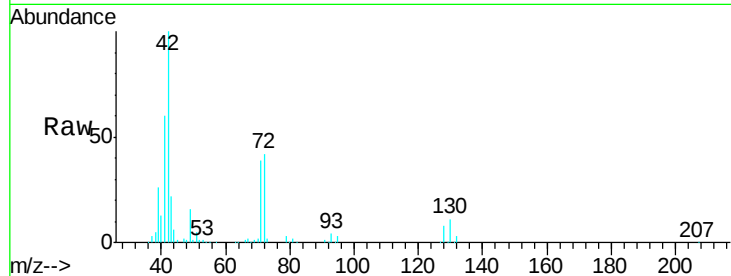
#29
Tetrahydrofuran
Concen: 113.978 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.2	48.2
71	37.7	30.6	45.8

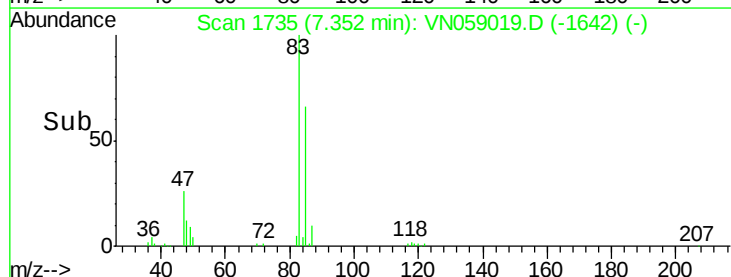
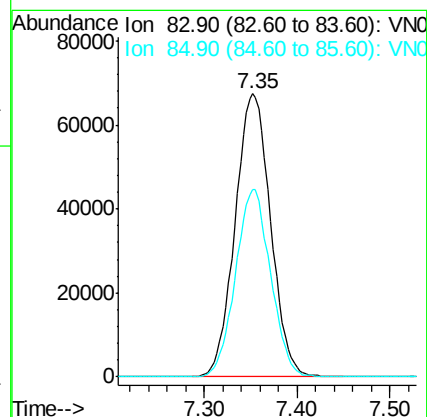
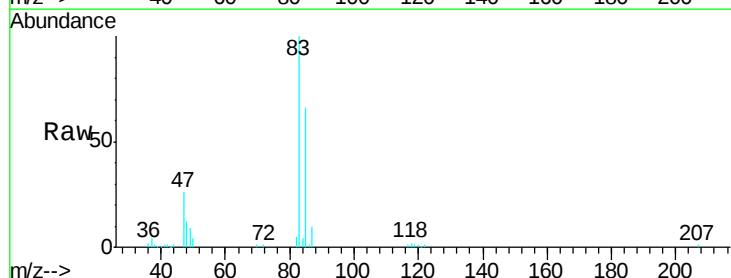
Manual Integrations
APPROVED

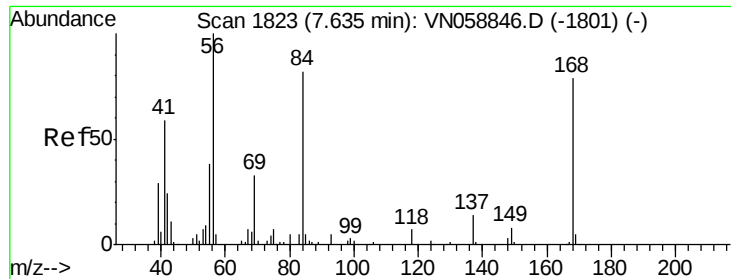
MMDadoda
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#30
Chloroform
Concen: 20.340 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.9	77.9





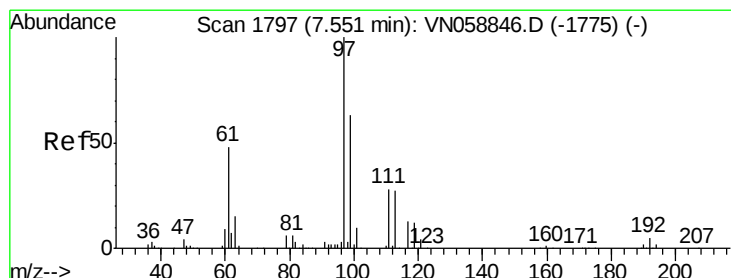
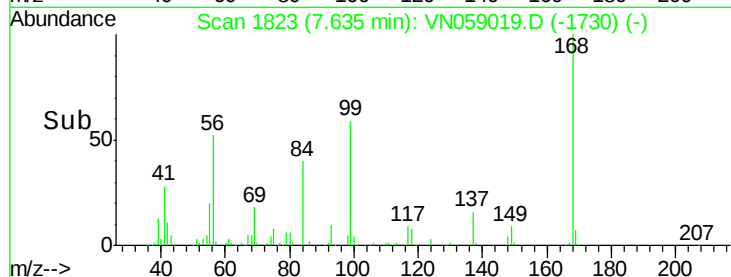
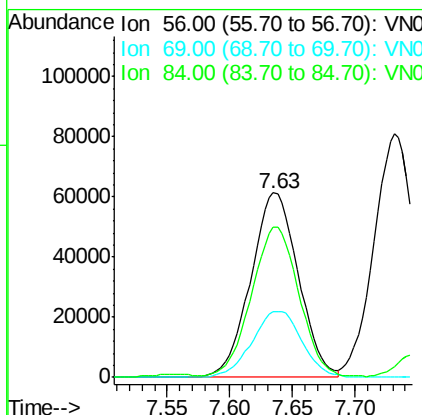
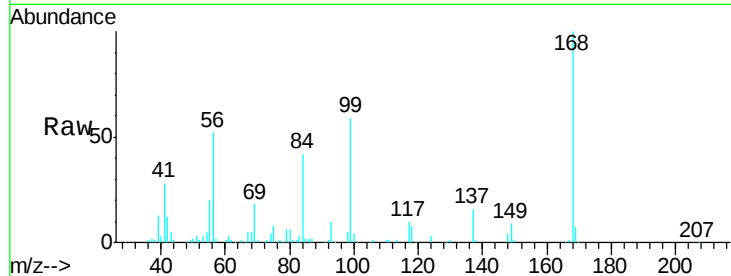
#31
Cyclohexane
Concen: 19.901 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.2	39.4
84	79.9	65.6	98.4

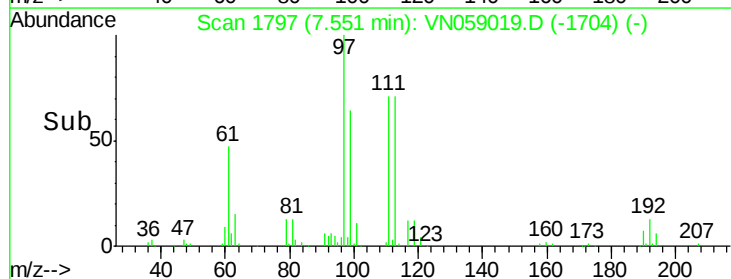
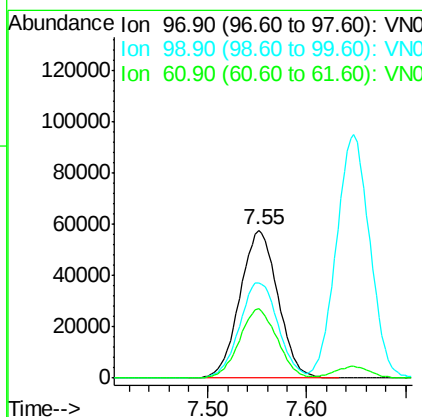
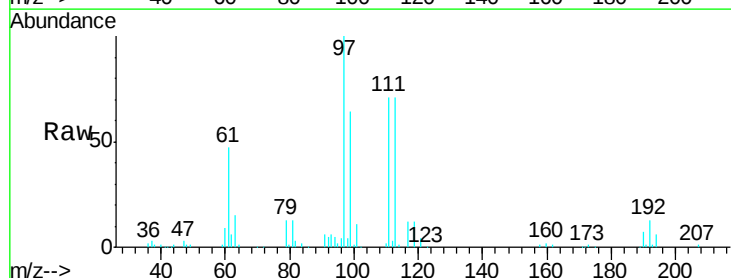
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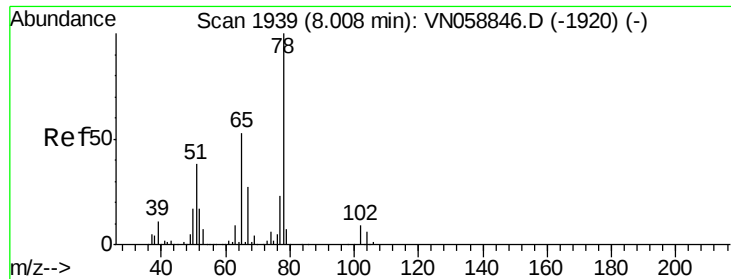
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#32
1,1,1-Trichloroethane
Concen: 20.806 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.0	76.4
61	46.8	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 49.265 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 65 Resp: 279226

Ion Ratio Lower Upper

65 100

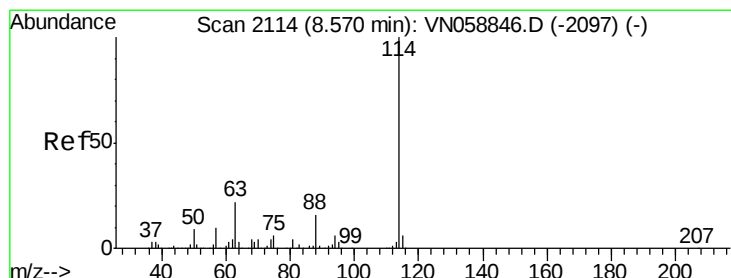
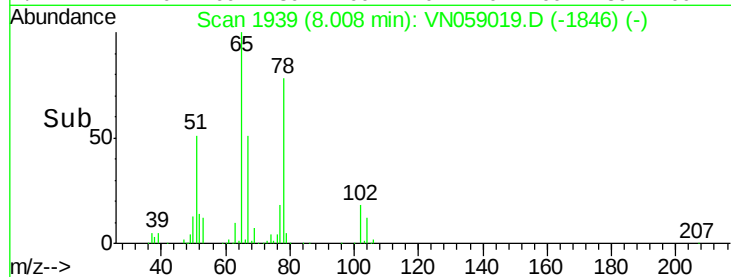
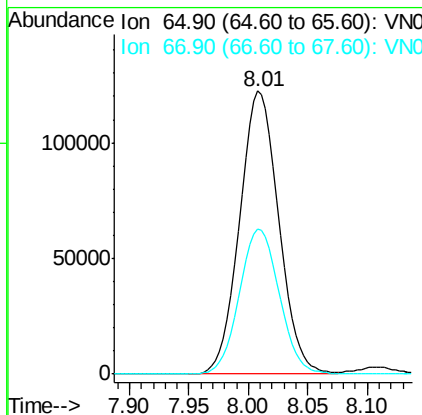
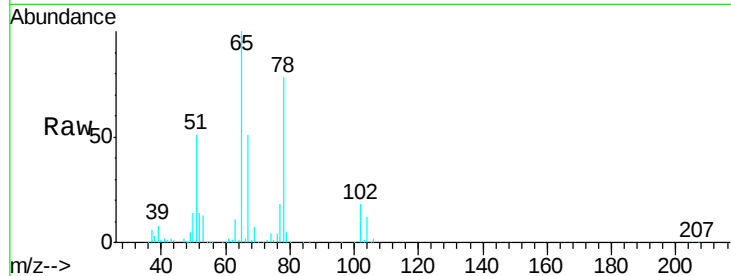
67 52.5 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

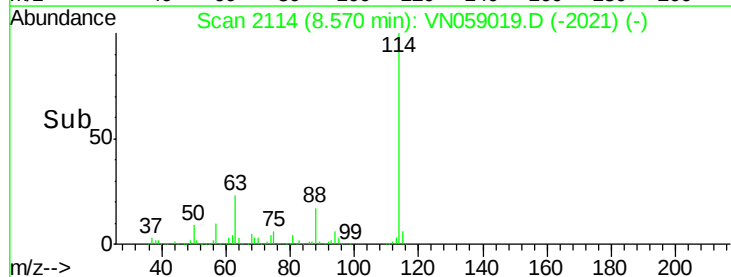
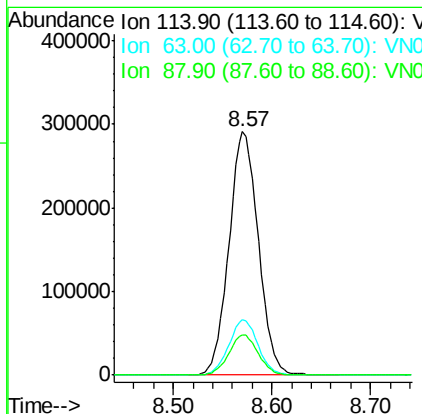
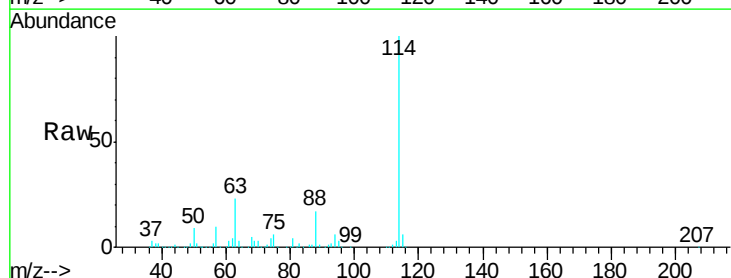
Tgt Ion: 114 Resp: 604737

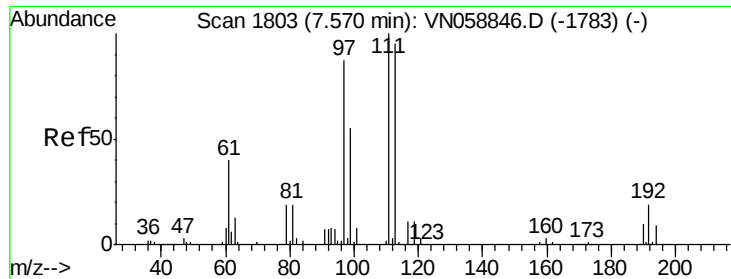
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

88 16.6 0.0 31.4





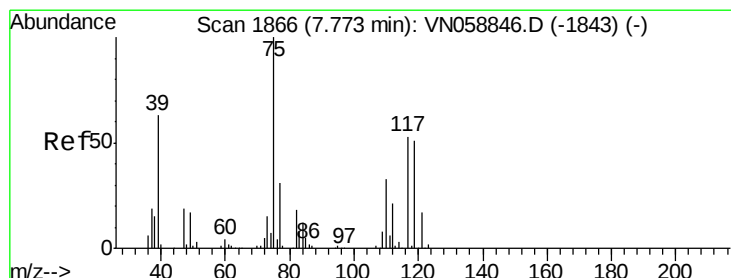
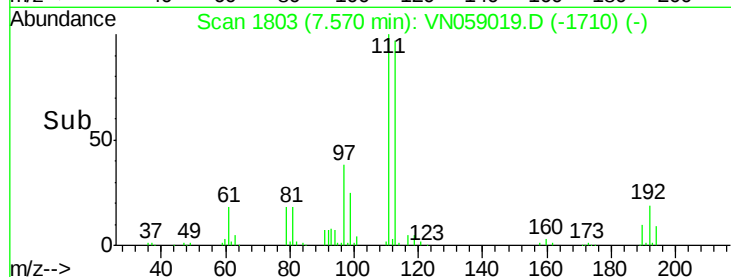
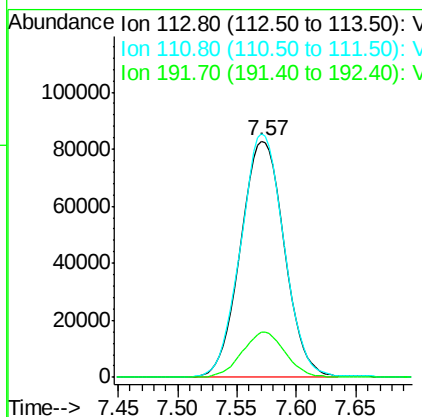
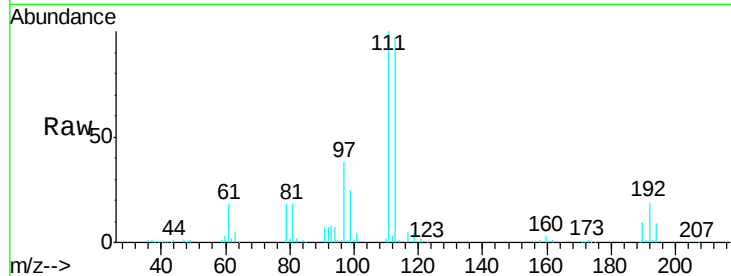
#35
Dibromofluoromethane
Concen: 53.279 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	211835		
111	101.5	82.0	123.0	
192	18.9	15.0	22.6	

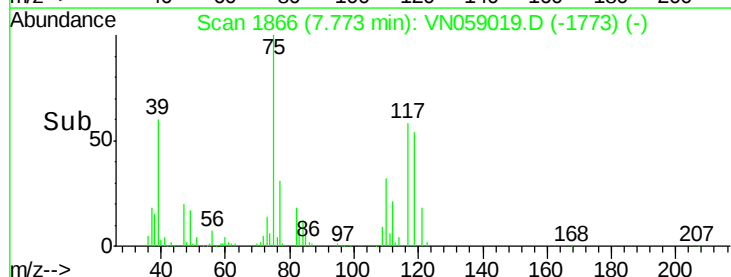
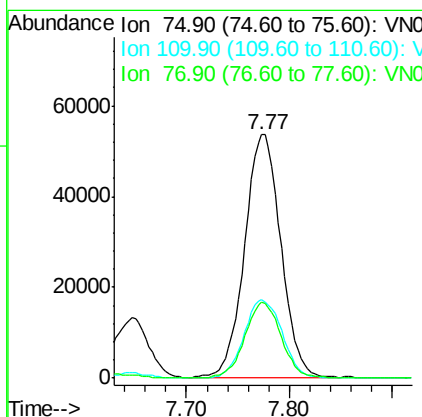
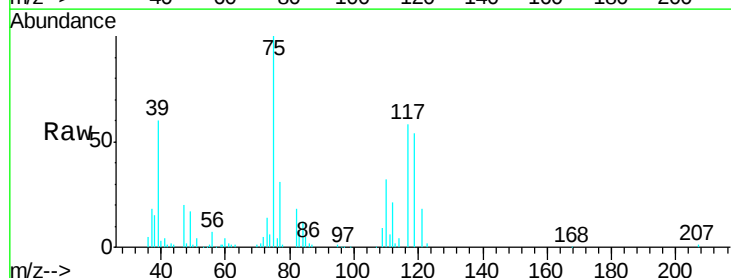
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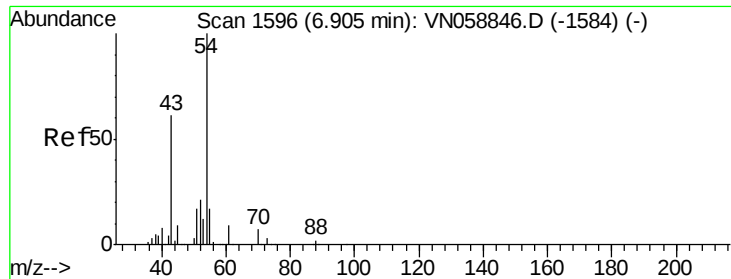
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.239 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131494		
110	33.5	16.3	48.9	
77	31.1	24.6	36.8	





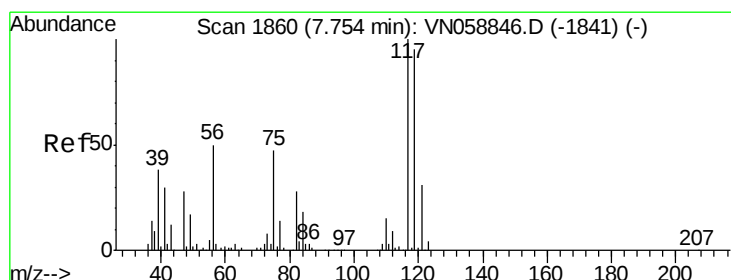
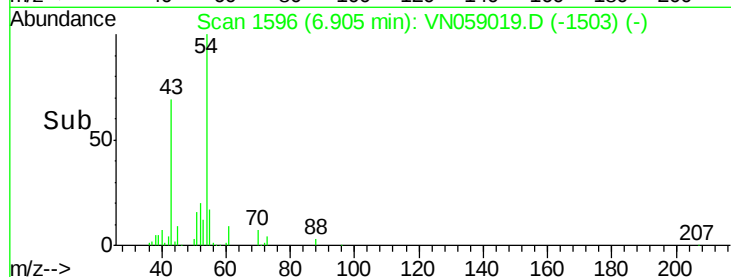
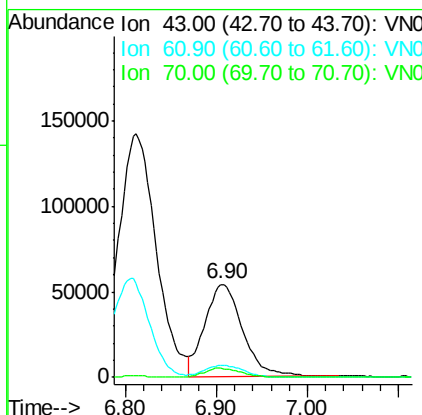
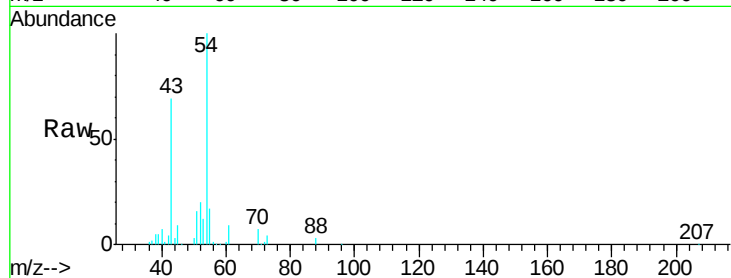
#37
Ethyl Acetate
Concen: 22.993 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.6	7.6	11.4

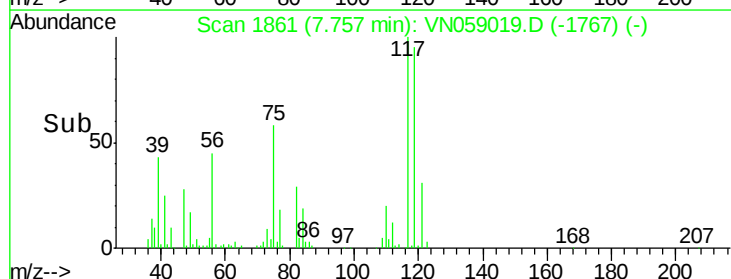
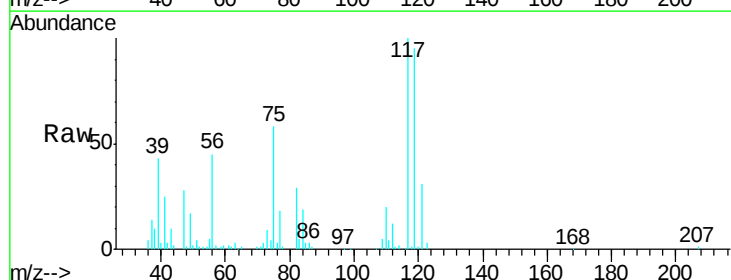
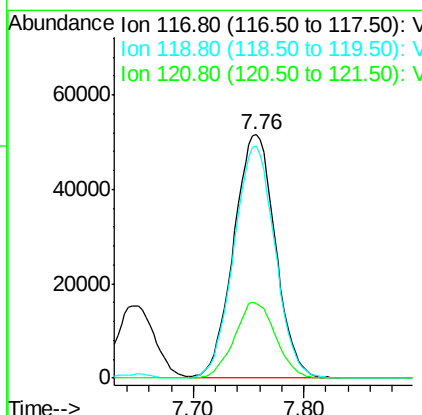
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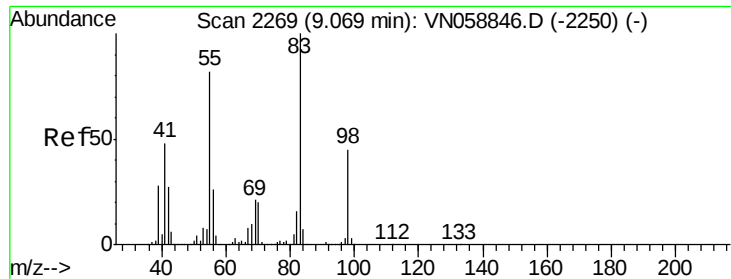
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#38
Carbon Tetrachloride
Concen: 21.177 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.7	113.5
121	30.8	25.0	37.6





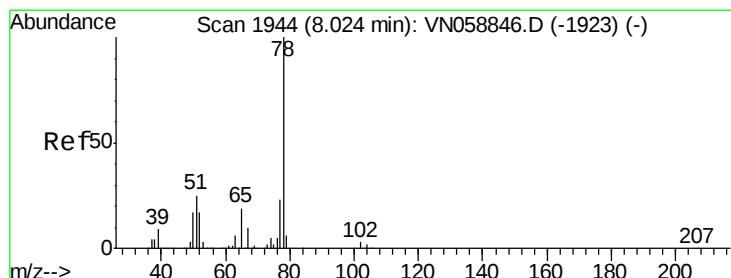
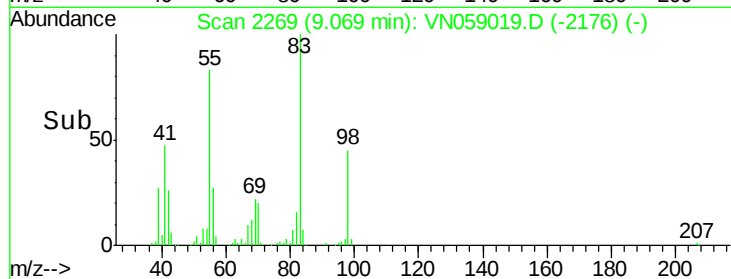
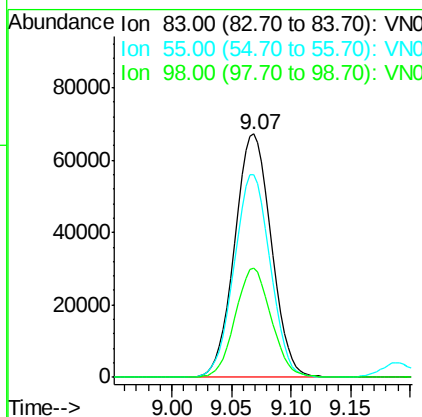
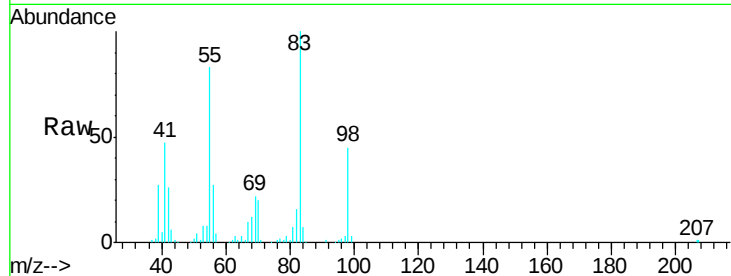
#39
Methylcyclohexane
Concen: 20.688 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	143817		
55	83.2	65.5	98.3	
98	45.0	35.7	53.5	

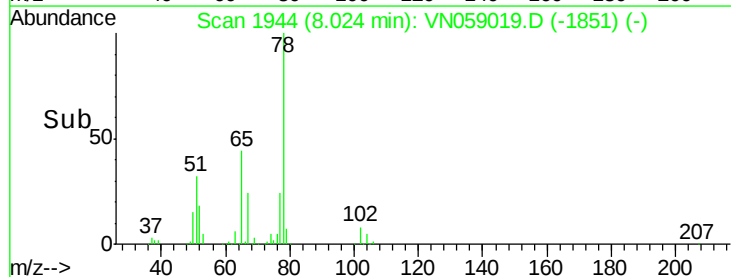
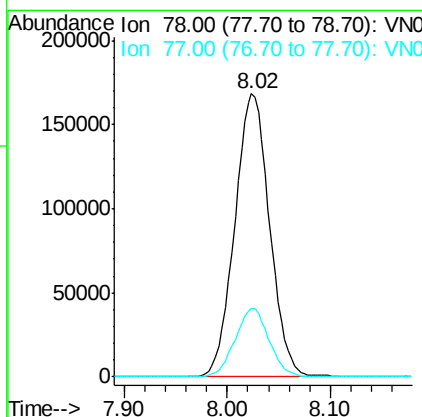
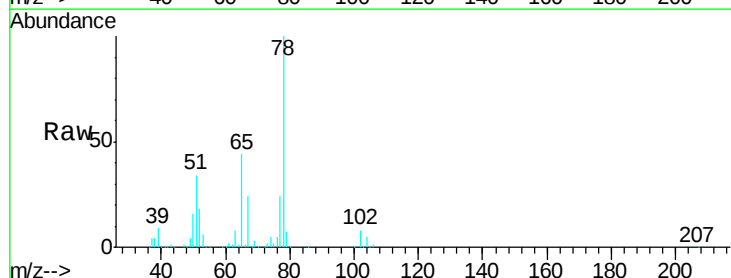
Manual Integrations
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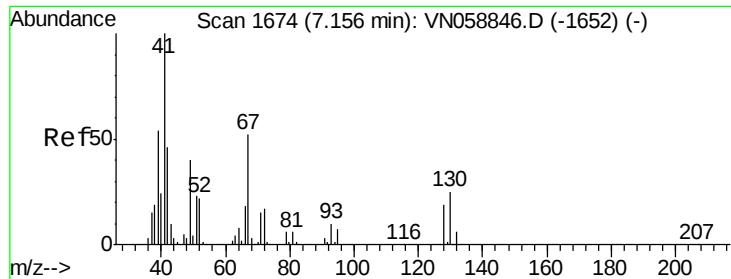
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#40
Benzene
Concen: 21.749 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	395408		
77	24.3	18.2	27.2	





#41

Methacrylonitrile

Concen: 23.030 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

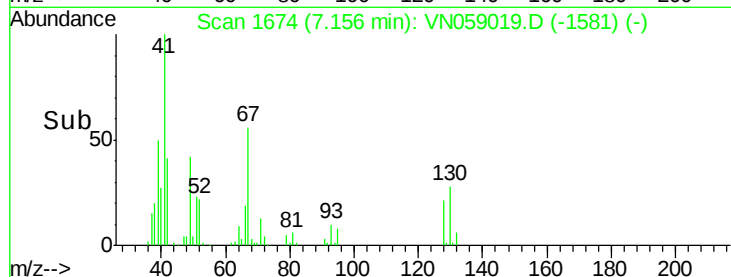
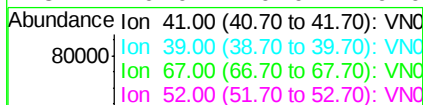
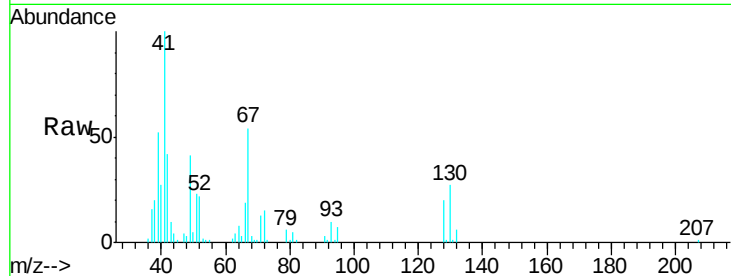
ClientSampleId :

VN1030WBS01

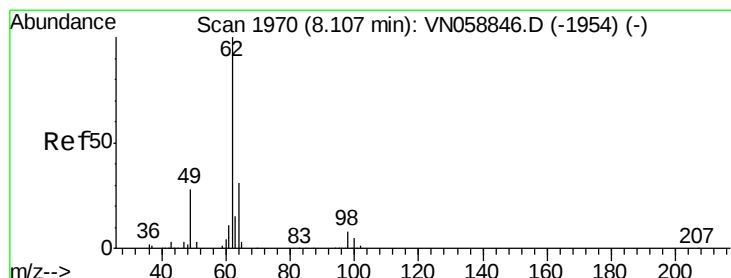
Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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Time-->



#42

1,2-Dichloroethane

Concen: 21.154 ug/l

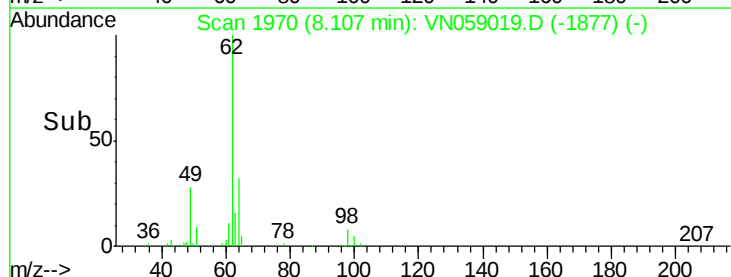
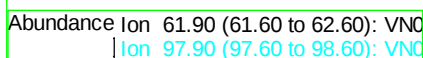
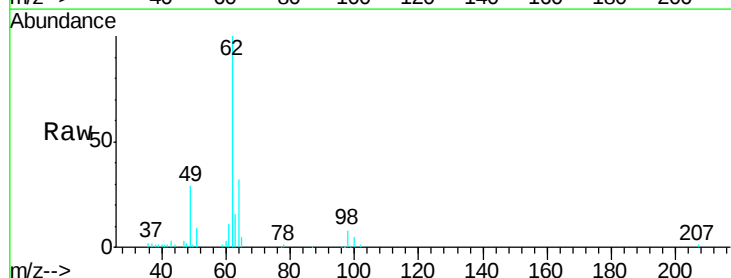
RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

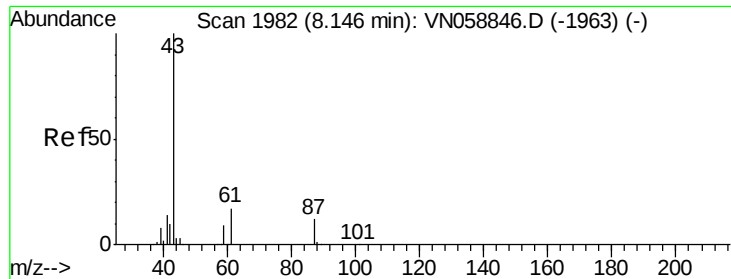
Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2



Time-->



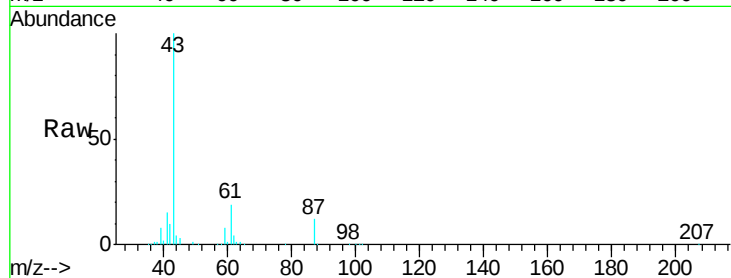
#43
Isopropyl Acetate
Concen: 22.515 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

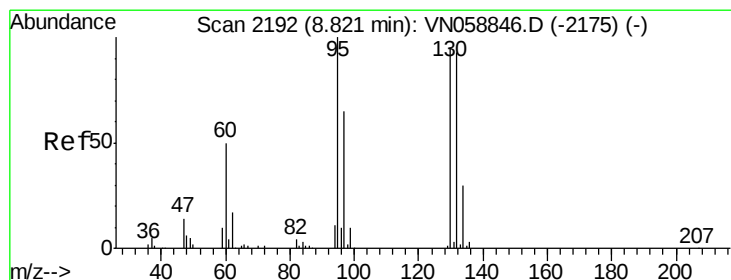
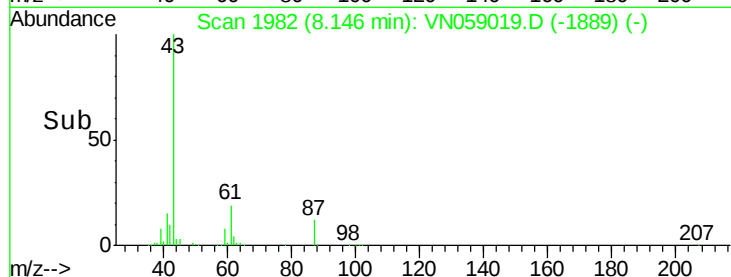
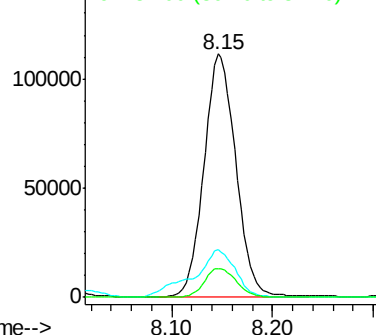
Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.2	30.2
87	12.1	9.5	14.3

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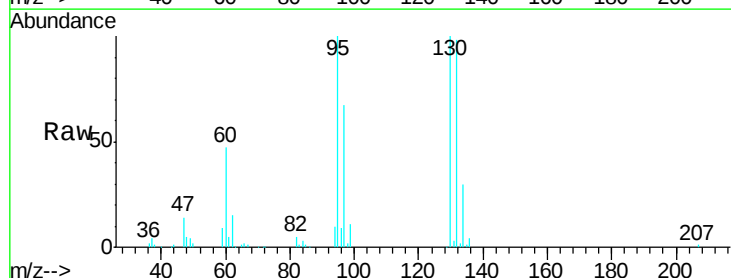


Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

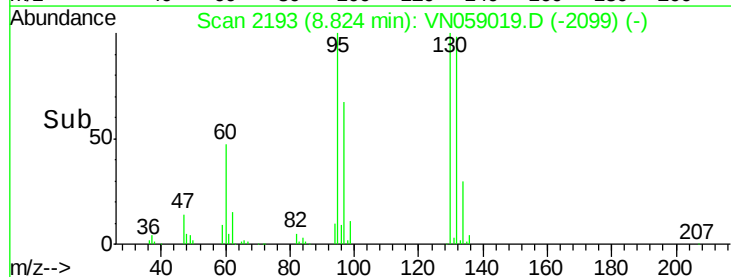
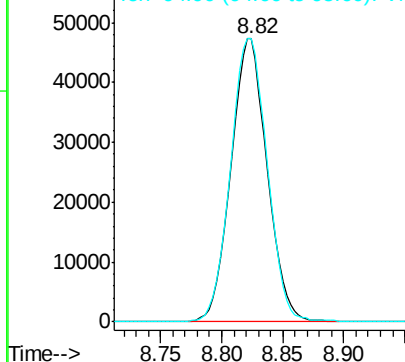


#44
Trichloroethene
Concen: 21.887 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 22.112 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 63 Resp: 110238

Ion Ratio Lower Upper

63 100

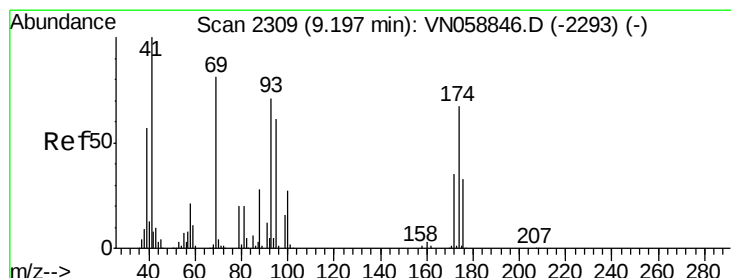
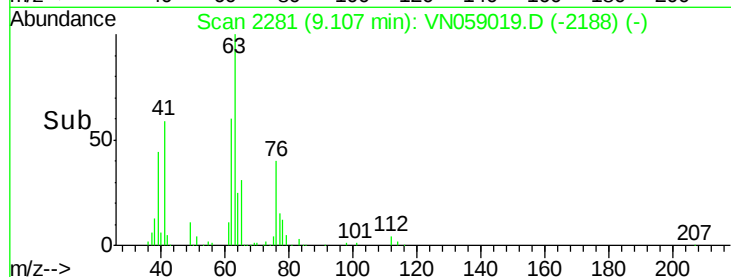
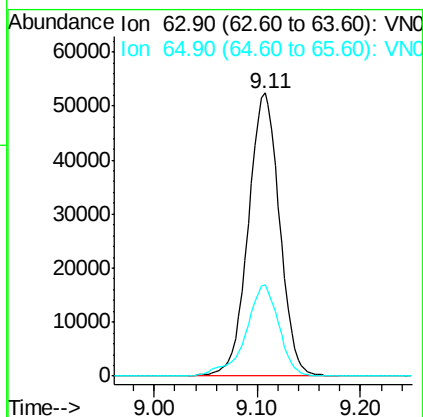
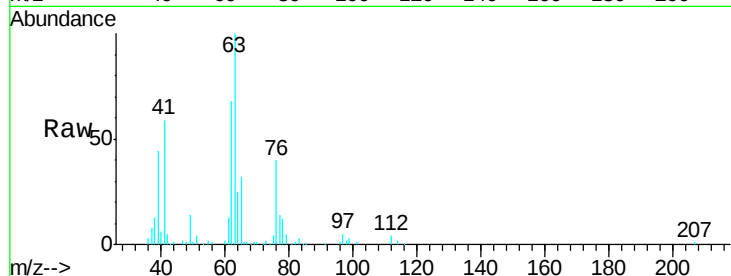
65 32.3 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 21.576 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

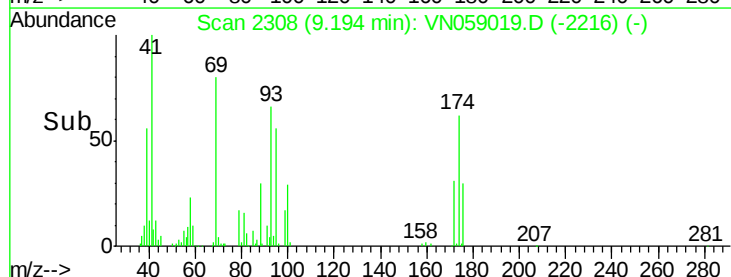
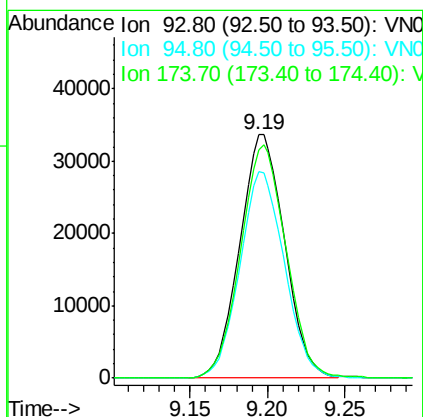
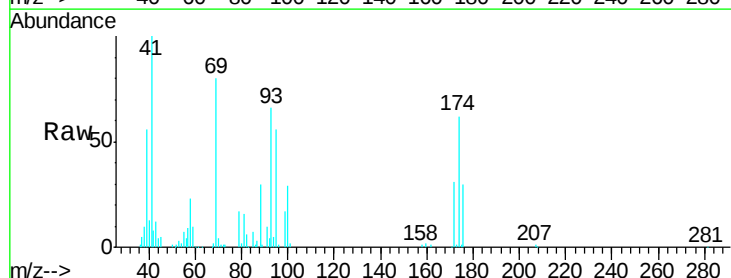
Tgt Ion: 93 Resp: 67999

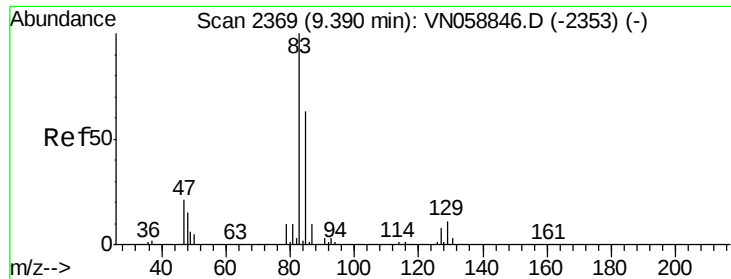
Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 96.9 74.1 111.1





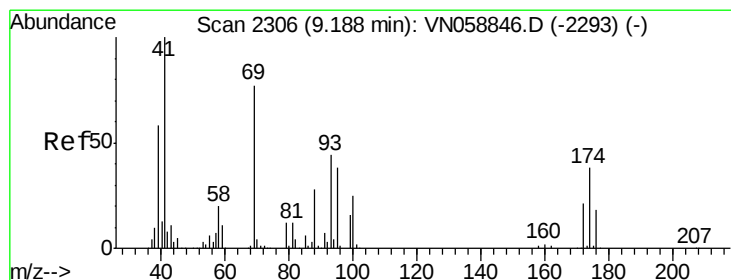
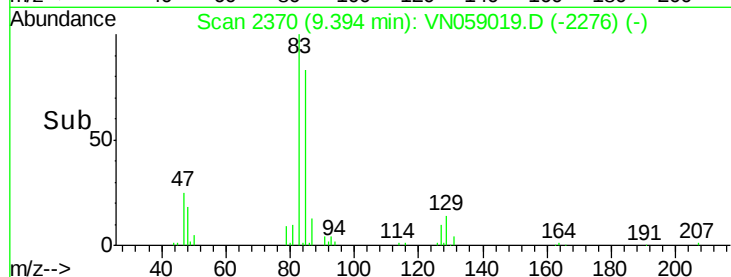
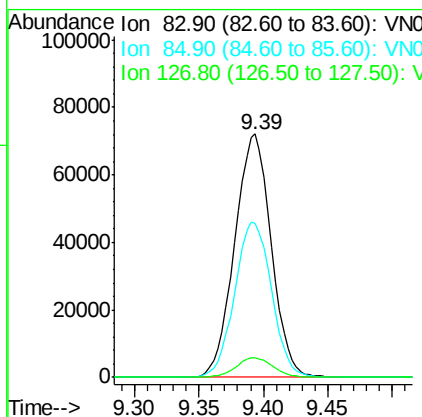
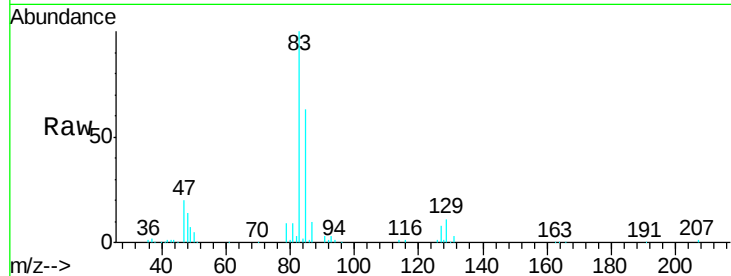
#47
Bromodichloromethane
Concen: 21.876 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	7.8	6.5	9.7

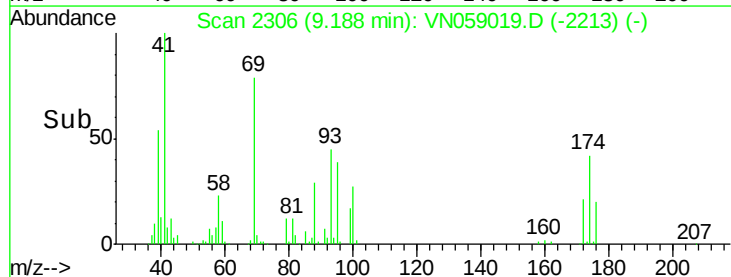
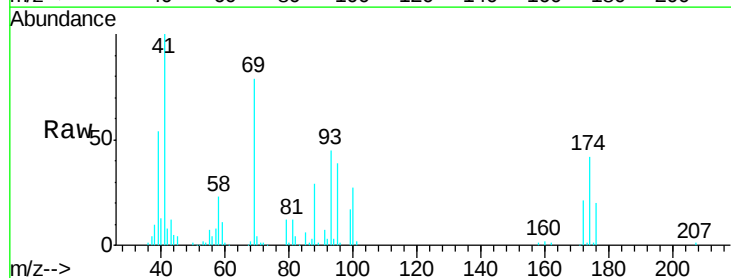
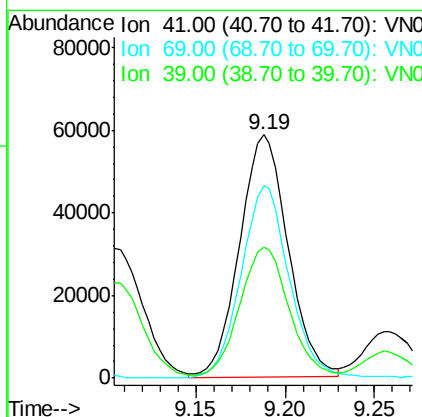
Manual Integrations
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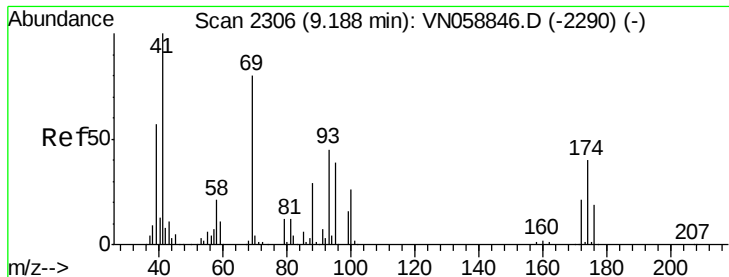
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#48
Methyl methacrylate
Concen: 22.732 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.8	95.6
39	54.8	47.8	71.8





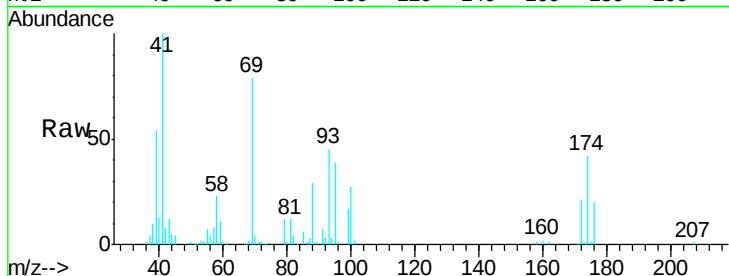
#49
1,4-Dioxane
Concen: 449.577 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	36227		
43	37.2	29.1	43.7	
58	75.3	59.4	89.0	

Manual Integrations
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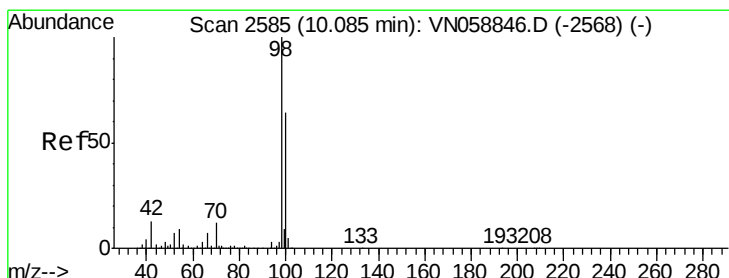
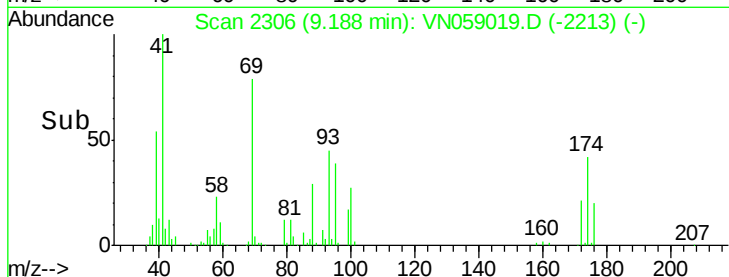
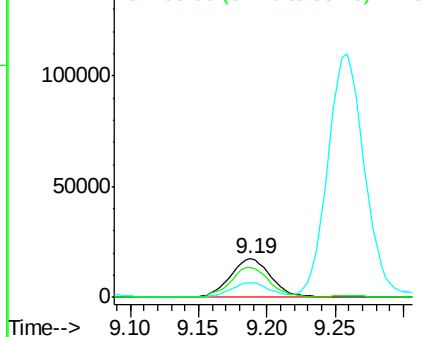
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Abundance Ion 88.00 (87.70 to 88.70): VN058846.D (-2290) (-)

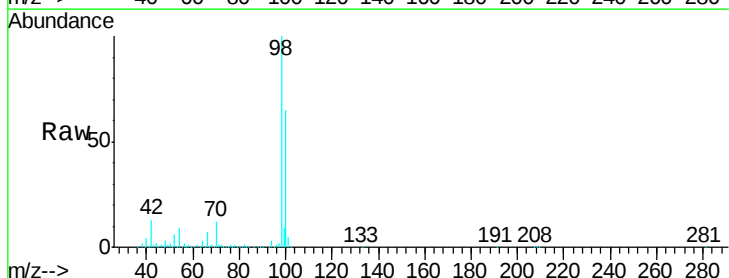
Ion 43.00 (42.70 to 43.70): VN058846.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2290) (-)



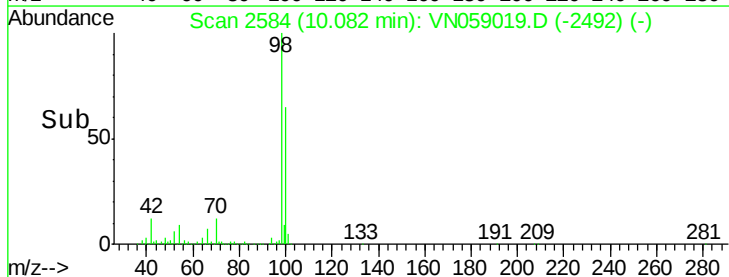
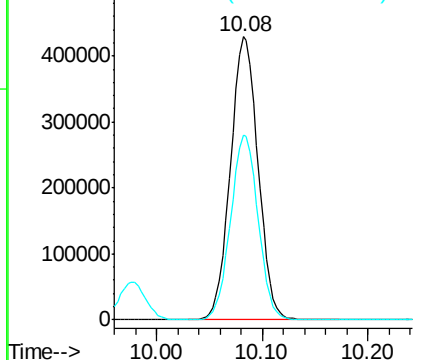
#50
Toluene-d8
Concen: 50.385 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

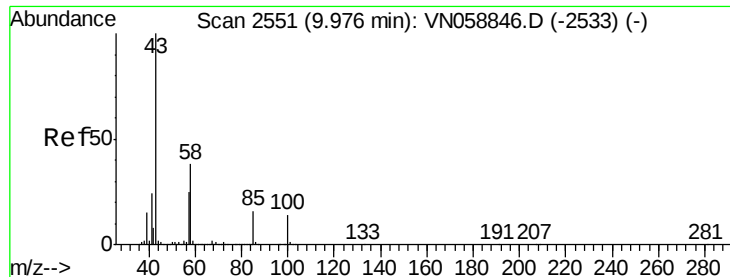
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	777659		
100	64.9	51.4	77.2	



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058846.D (-2568) (-)





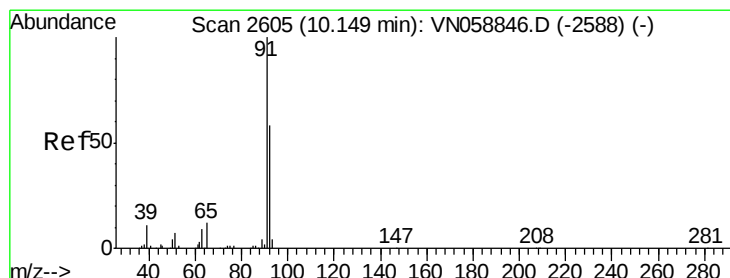
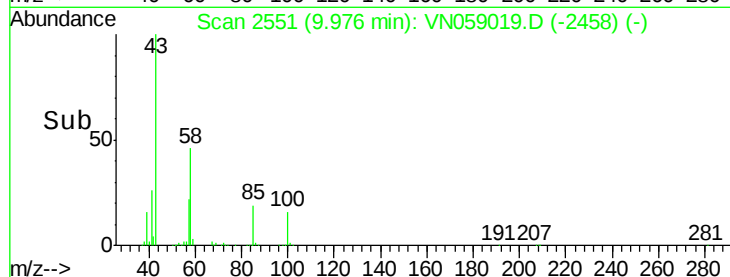
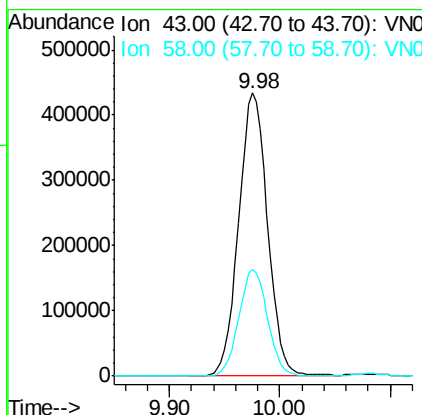
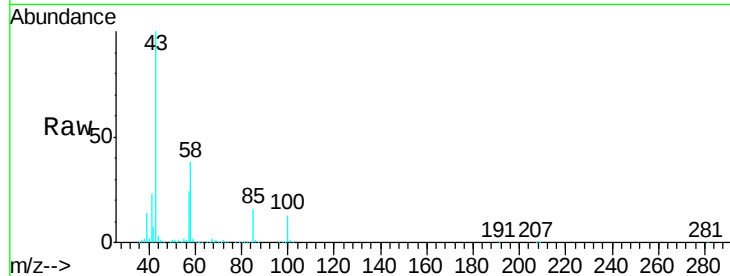
#51
 4-Methyl-2-Pentanone
 Concen: 124.089 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.9	44.9

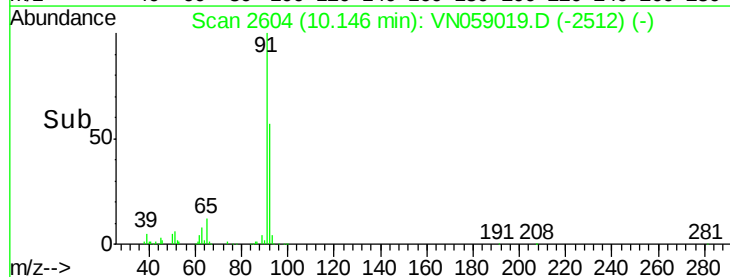
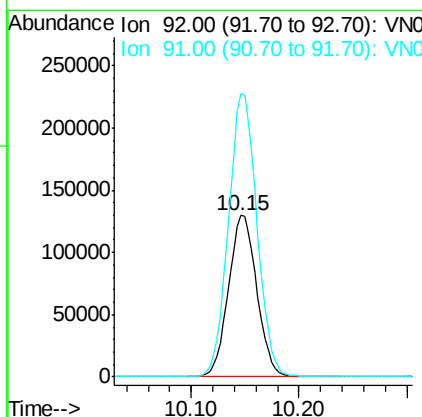
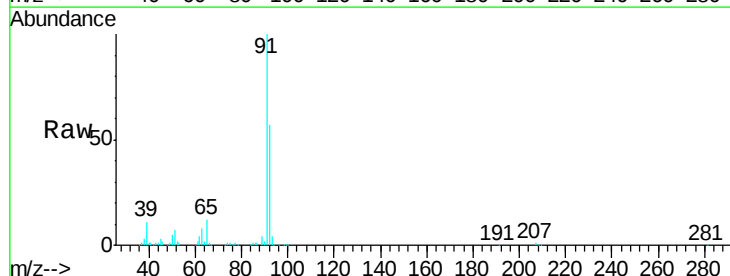
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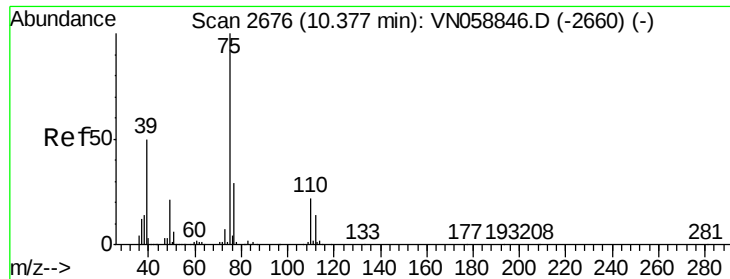
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#52
 Toluene
 Concen: 22.046 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	138.9	208.3





#53

t-1,3-Dichloropropene

Concen: 21.682 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 75 Resp: 155911

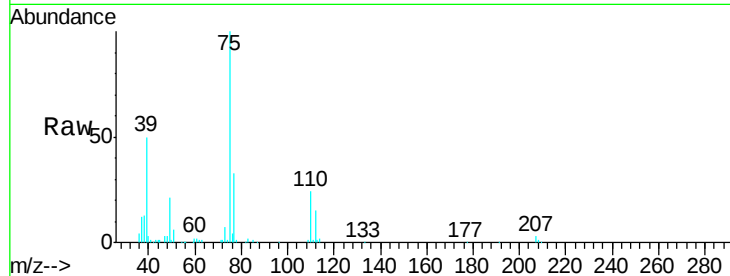
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

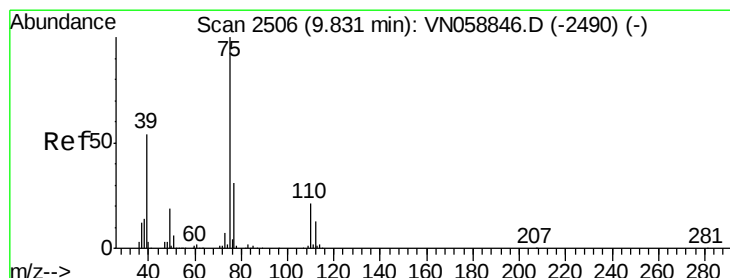
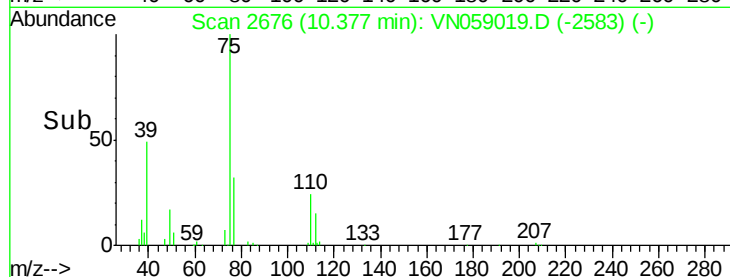
40000

20000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.981 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

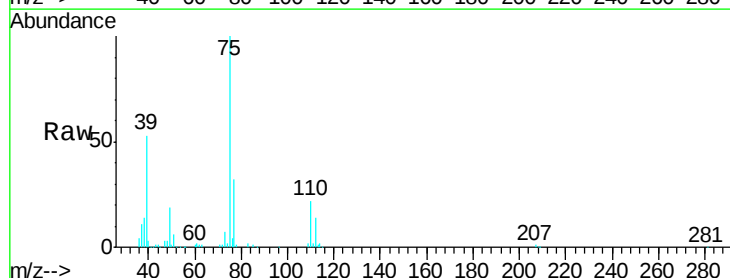
Tgt Ion: 75 Resp: 168873

Ion Ratio Lower Upper

75 100

77 32.1 24.7 37.1

39 52.8 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

60000

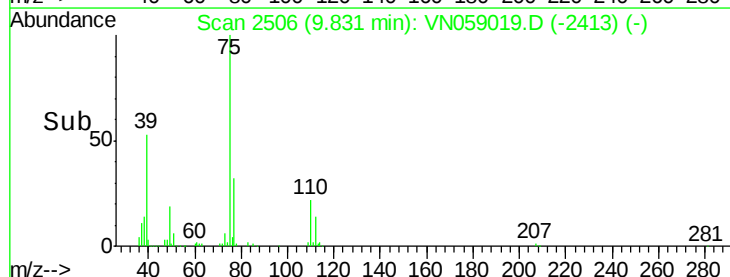
40000

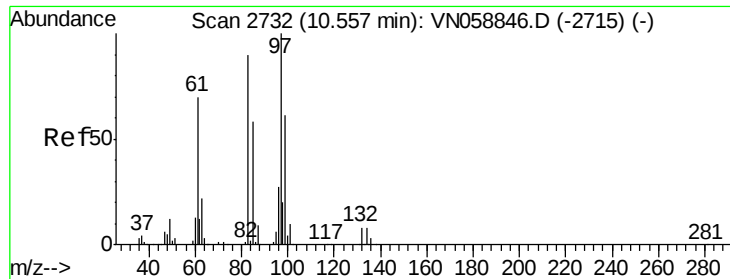
20000

0

9.80 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.054 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

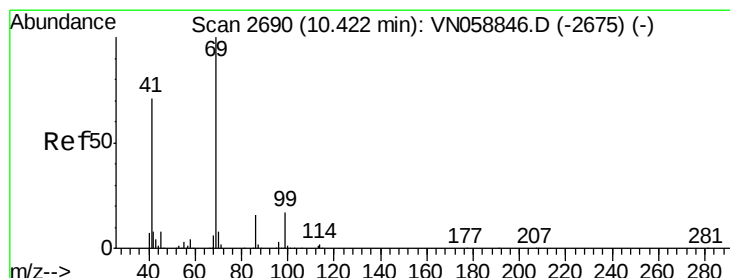
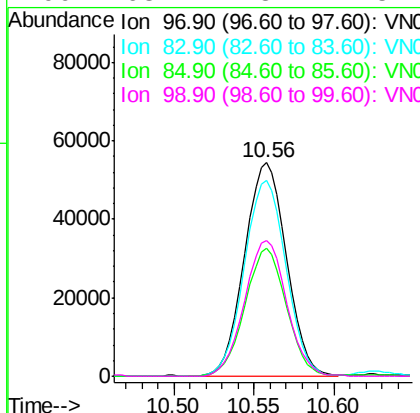
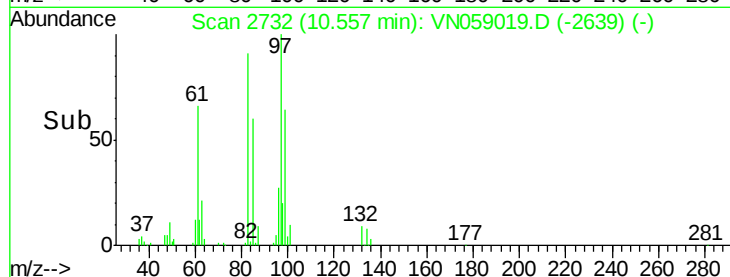
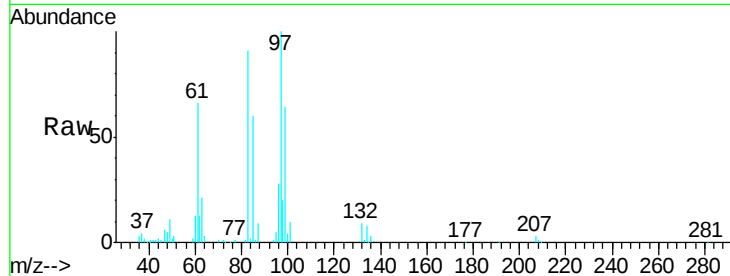
ClientSampleId :

VN1030WBS01

Tgt Ion:	97	Resp:	97952
Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.2	108.4
85	60.0	46.2	69.2
99	63.7	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.770 ug/l

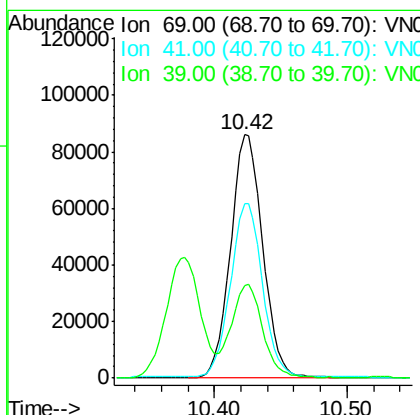
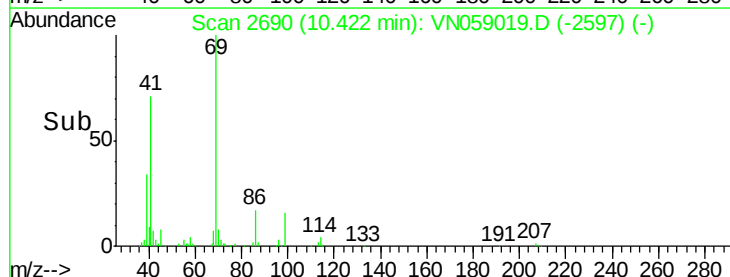
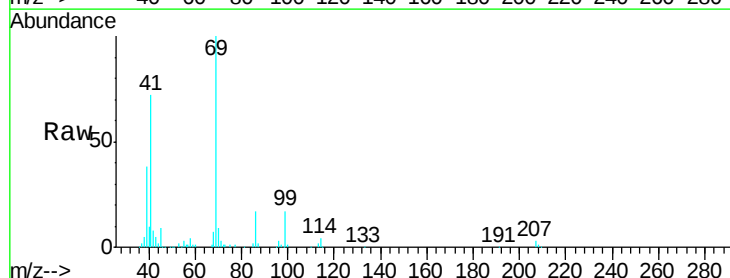
RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	69	Resp:	145409
Ion	Ratio	Lower	Upper
69	100		
41	70.7	57.2	85.8
39	36.5	31.0	46.4





#57

1,3-Dichloropropane

Concen: 21.817 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 76 Resp: 170070

Ion Ratio Lower Upper

76 100

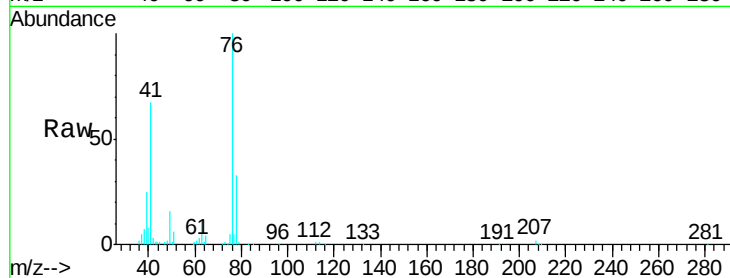
78 32.8 25.4 38.0

Manual Integrations

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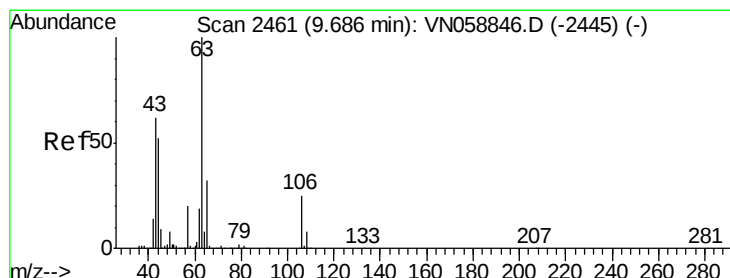
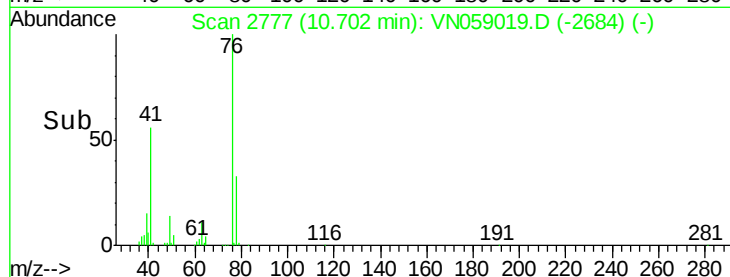
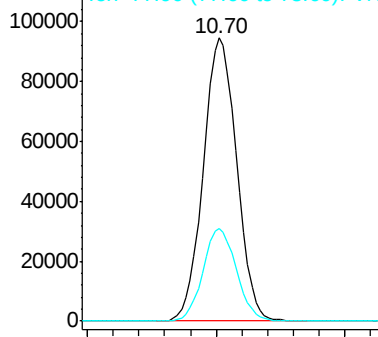
MMDadoda

10/31/2019 3:37:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.578 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059019.D

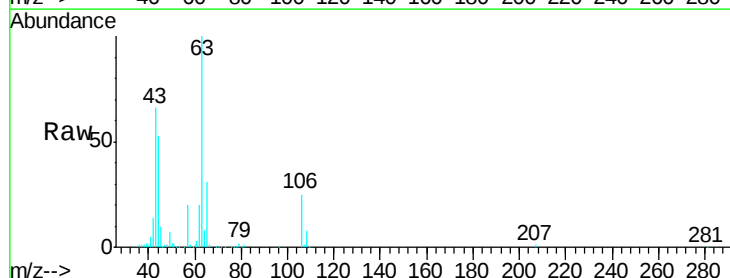
Acq: 30 Oct 2019 10:54

Tgt Ion: 63 Resp: 302727

Ion Ratio Lower Upper

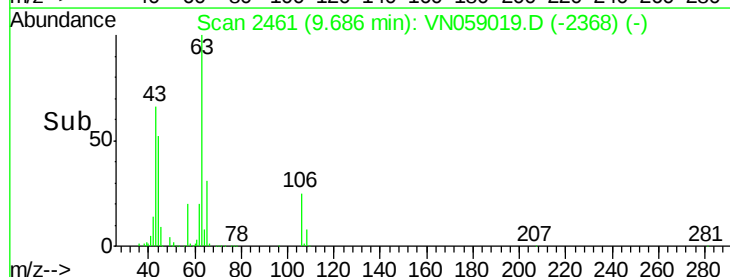
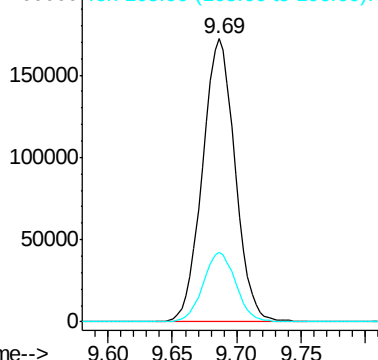
63 100

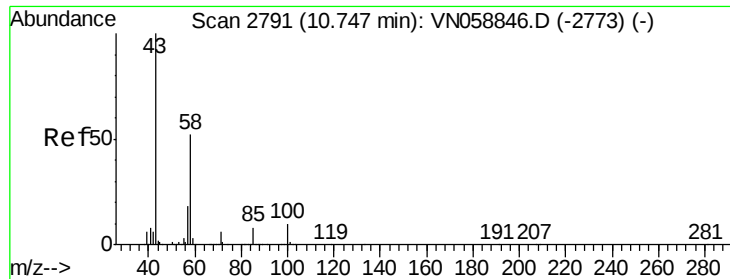
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





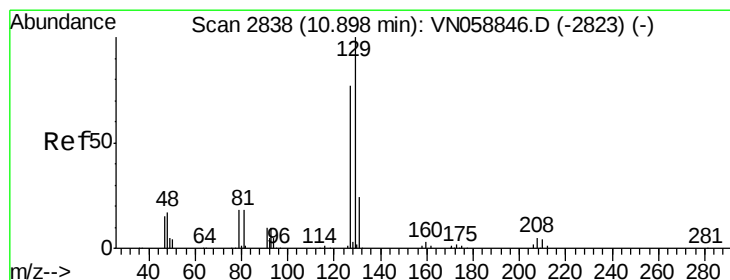
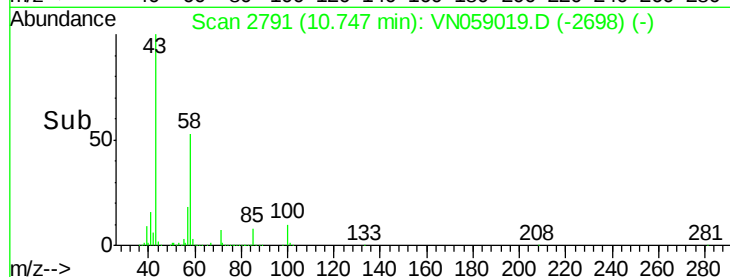
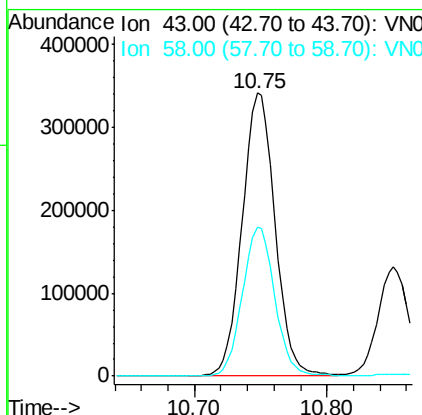
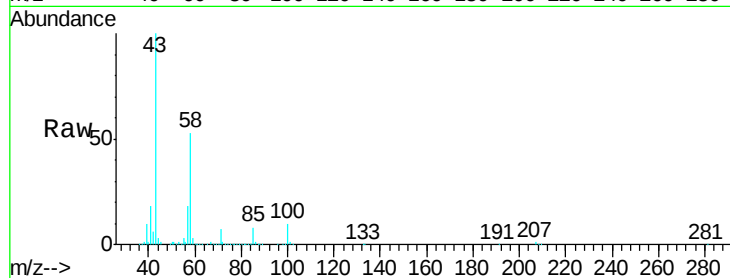
#59
2-Hexanone
Concen: 119.676 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 43 Resp: 584407
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7

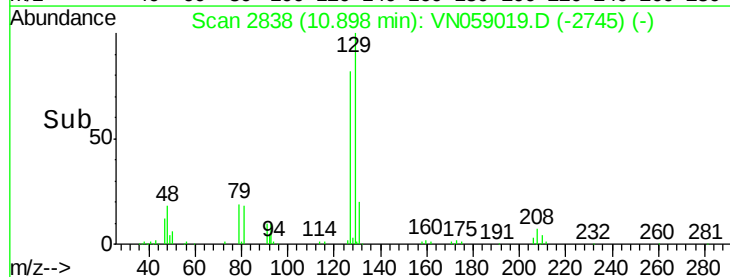
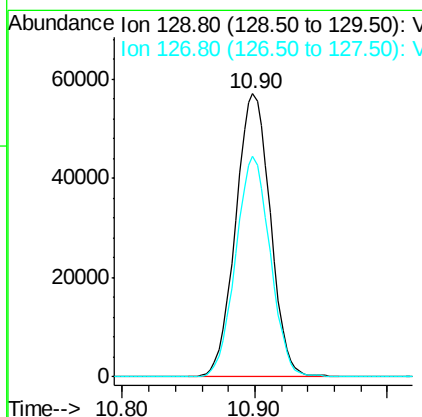
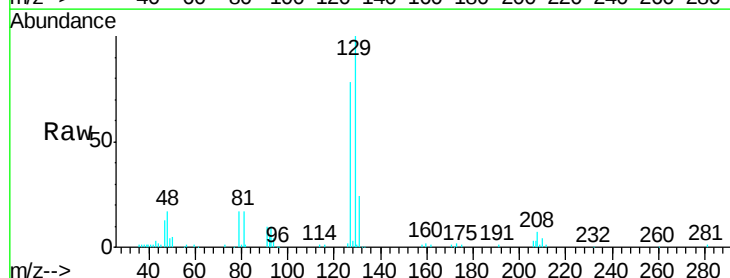
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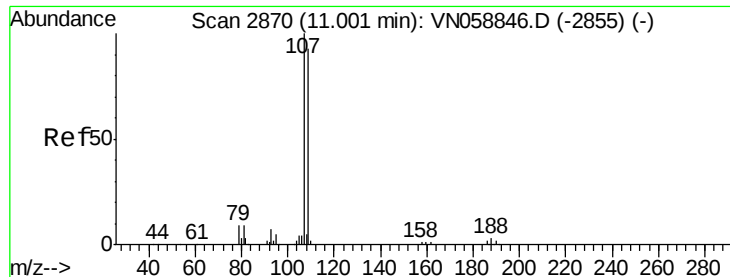
MMDadoda
10/31/2019 3:37:20 PM



#60
Dibromochloromethane
Concen: 21.736 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 129 Resp: 103911
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





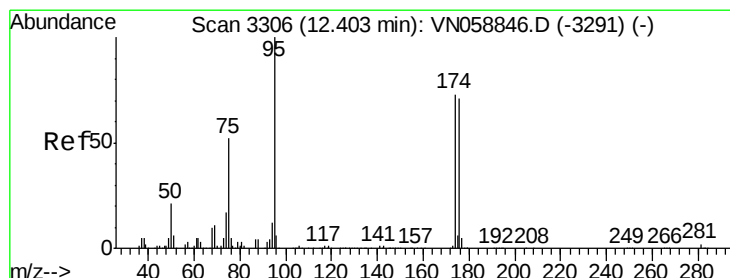
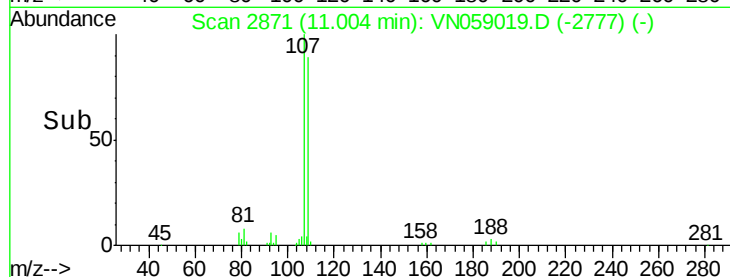
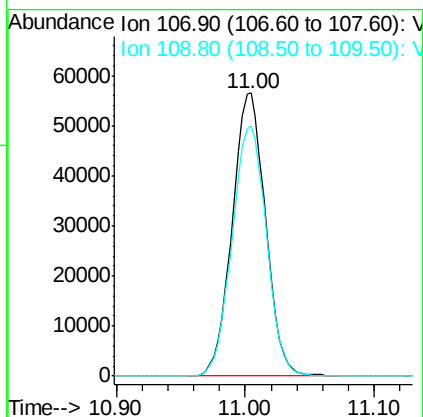
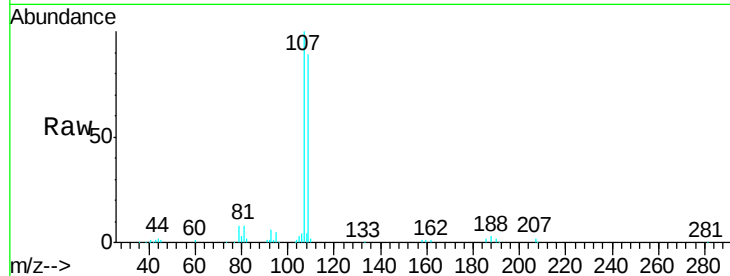
#61
 1,2-Dibromoethane
 Concen: 22.274 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion: 107 Resp: 101240
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.2 112.8

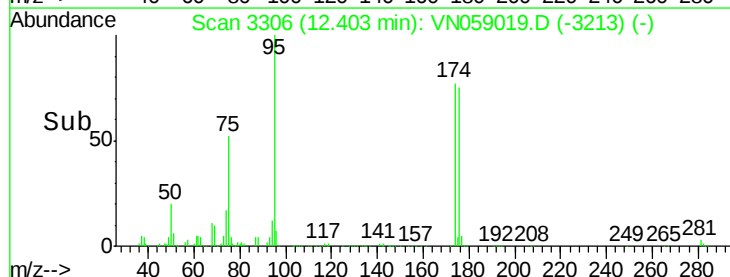
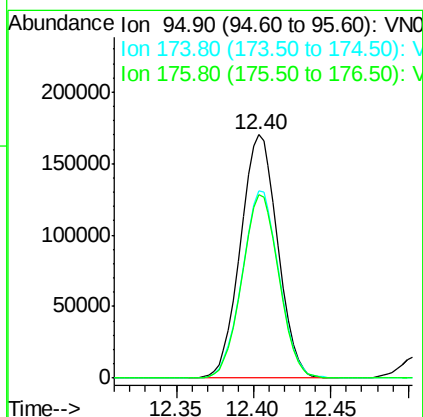
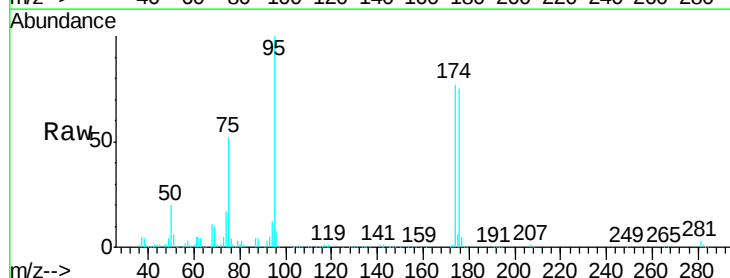
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 10/31/2019 3:37:20 PM



#62
 4-Bromofluorobenzene
 Concen: 50.252 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion: 95 Resp: 284819
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 147.6
 176 74.9 0.0 143.2





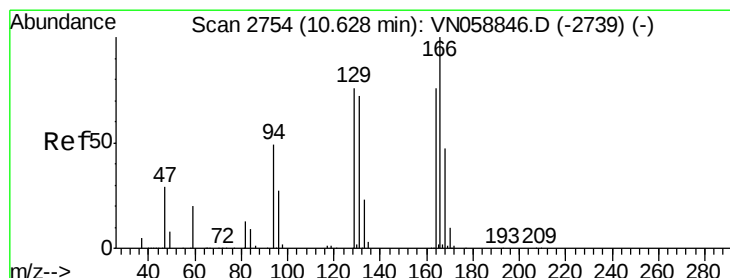
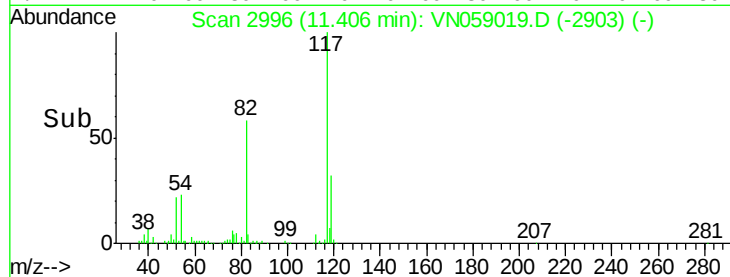
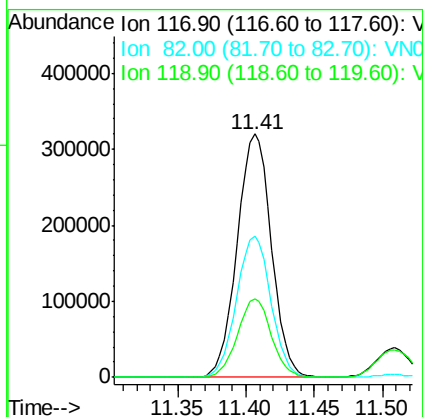
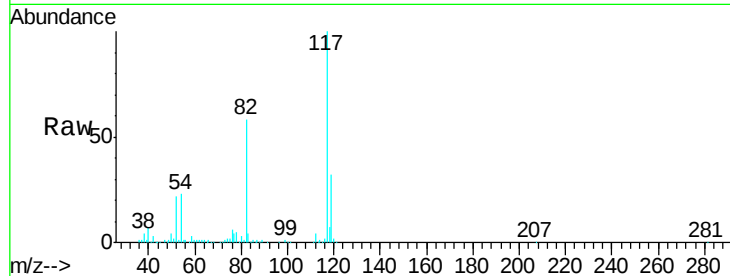
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	557656		
82	58.0	46.6	69.8	
119	32.3	25.6	38.4	

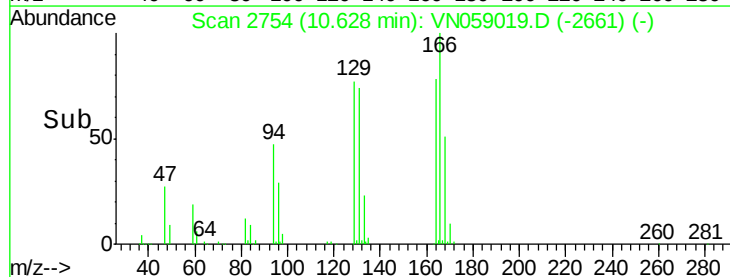
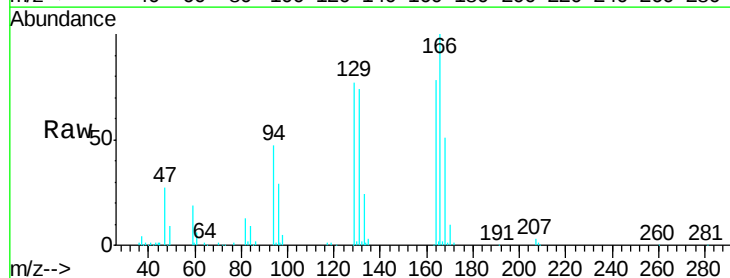
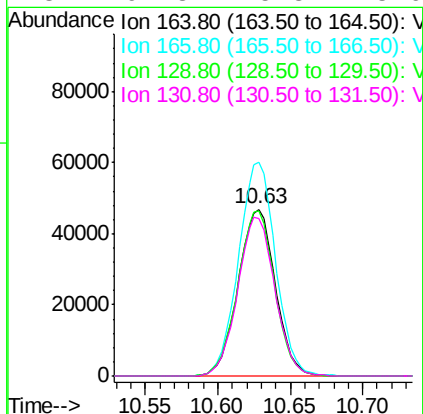
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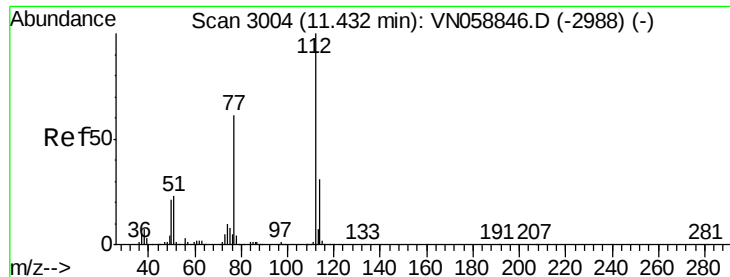
MMDadoda
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#64
Tetrachloroethene
Concen: 21.377 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83485		
166	128.2	104.8	157.2	
129	98.7	79.3	118.9	
131	94.3	75.8	113.6	





#65

Chlorobenzene

Concen: 22.035 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion:112 Resp: 250165

Ion Ratio Lower Upper

112 100

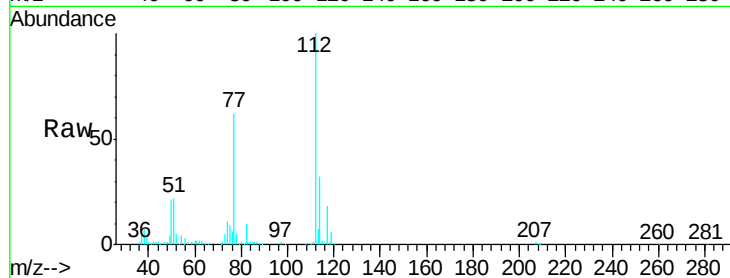
114 31.6 25.1 37.7

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

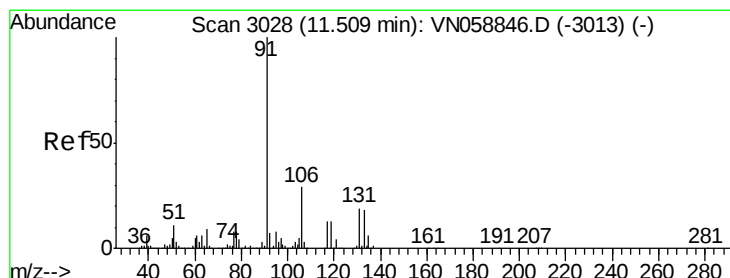
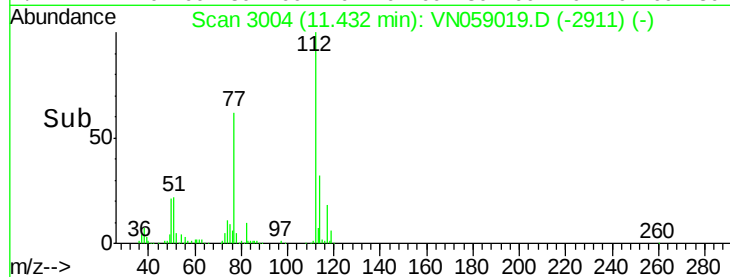
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.752 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

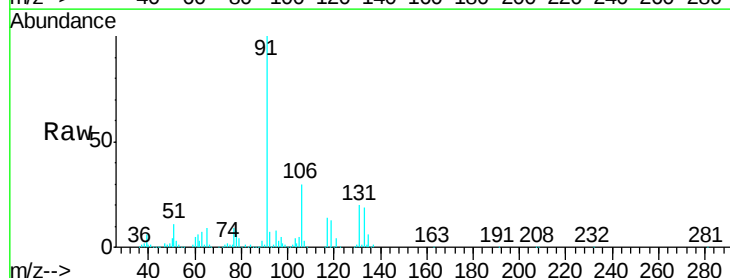
Tgt Ion:131 Resp: 97472

Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.2

119 67.7 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

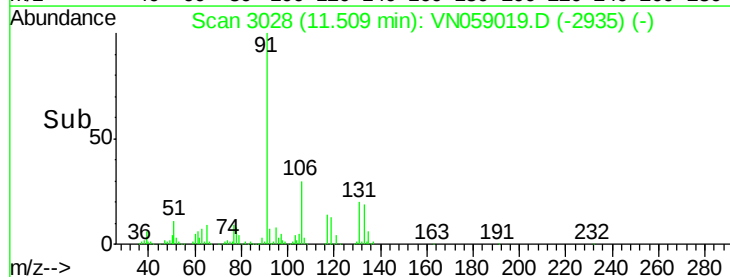
60000

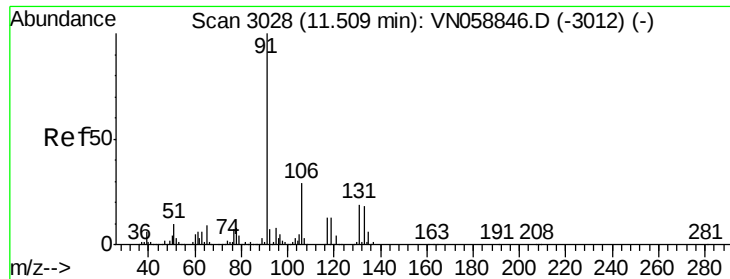
40000

20000

0

Time-->





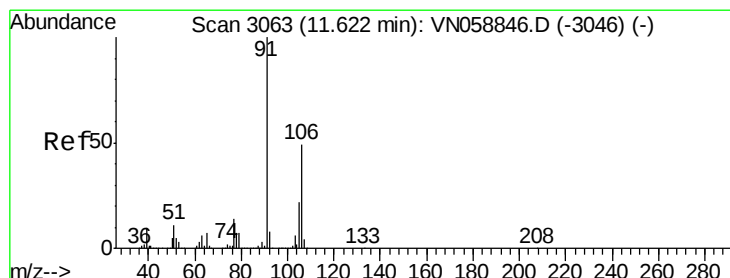
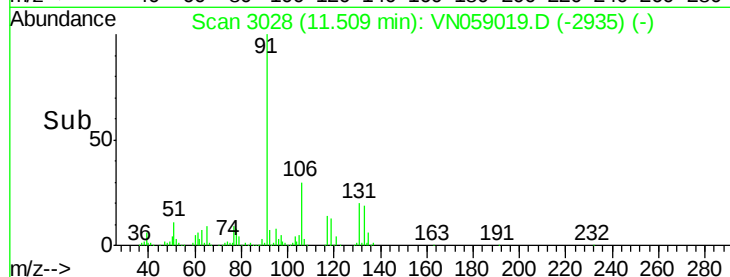
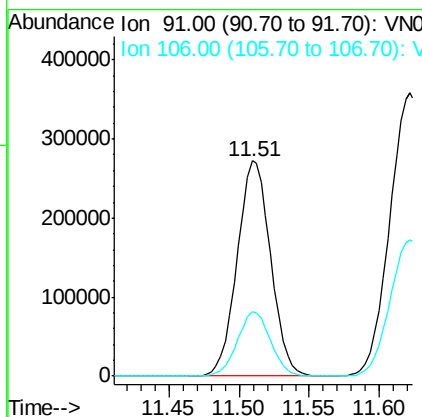
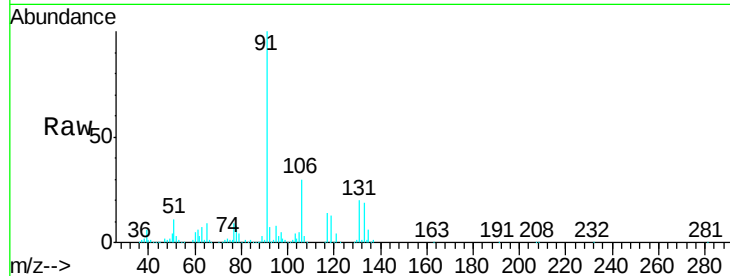
#67
Ethyl Benzene
Concen: 22.722 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion: 91 Resp: 452528
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.0

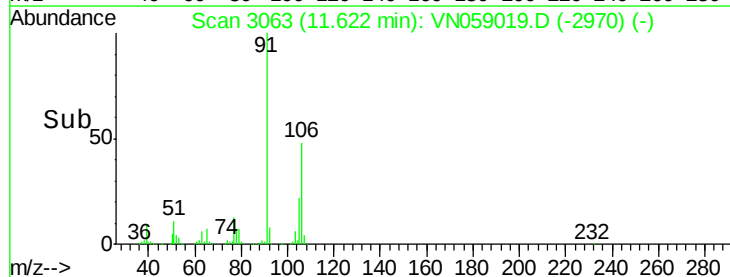
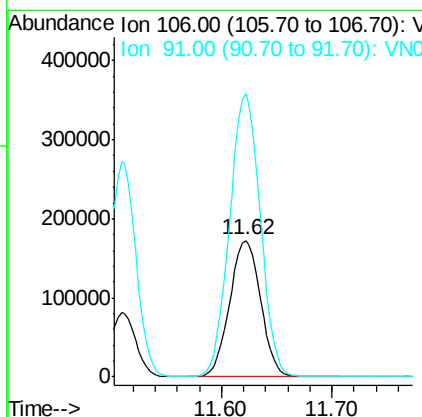
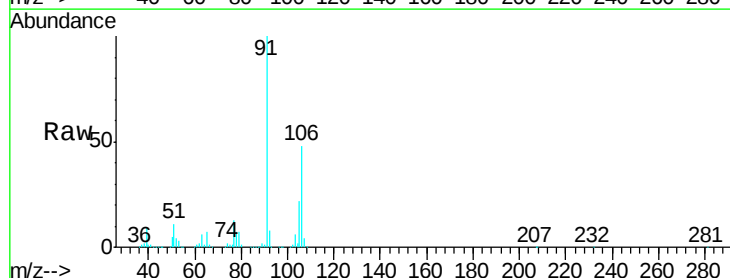
Manual Integrations
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#68
m/p-Xylenes
Concen: 45.372 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion: 106 Resp: 335108
Ion Ratio Lower Upper
106 100
91 206.0 166.6 249.8





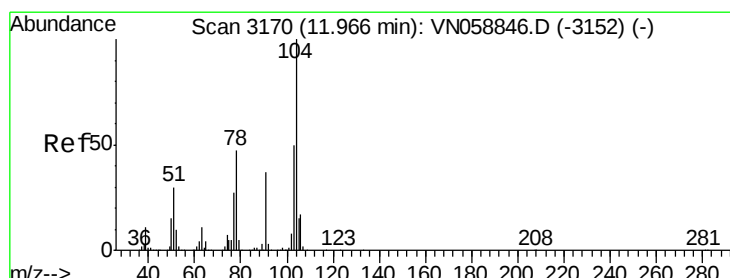
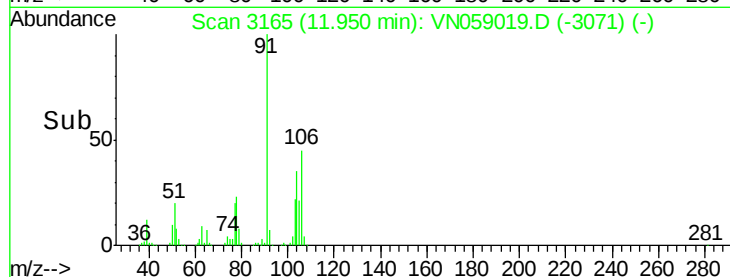
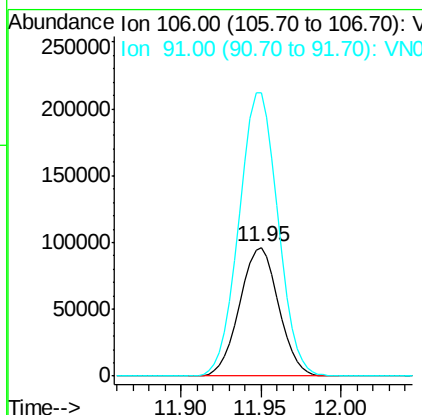
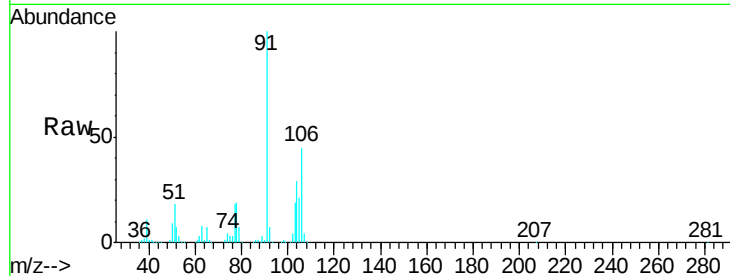
#69
o-Xylene
Concen: 22.691 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion:106 Resp: 159837
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.4

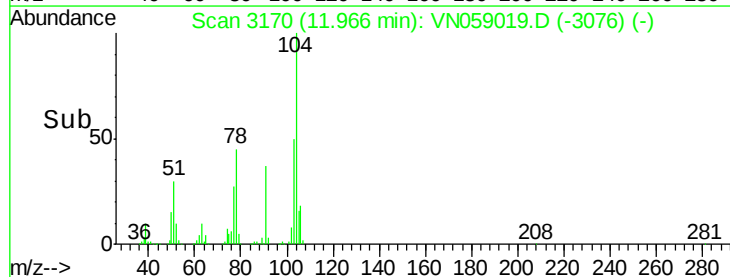
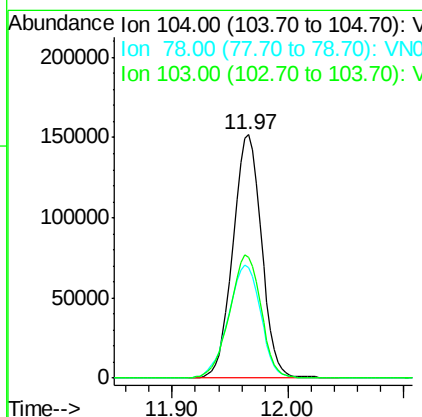
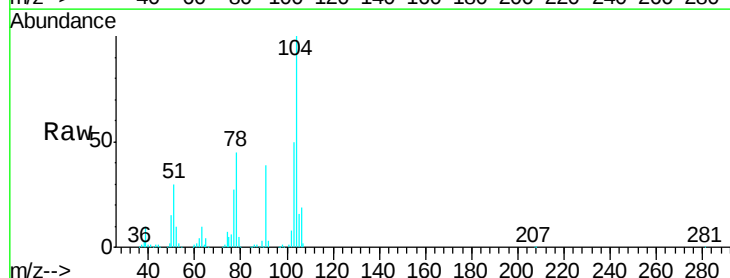
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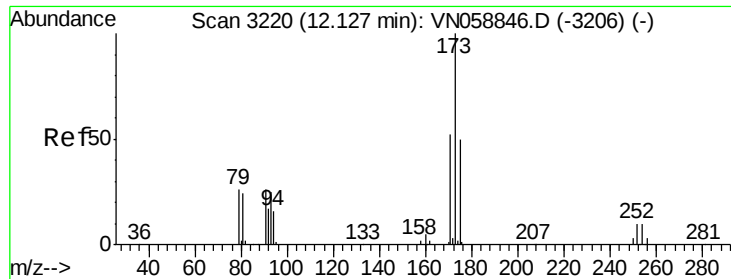
MMDadoda
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#70
Styrene
Concen: 20.996 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion:104 Resp: 259610
Ion Ratio Lower Upper
104 100
78 52.3 42.8 64.2
103 55.5 44.3 66.5





#71

Bromoform

Concen: 22.438 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

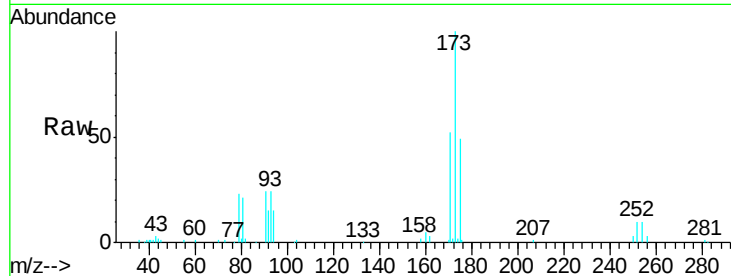
ClientSampleId :

VN1030WBS01

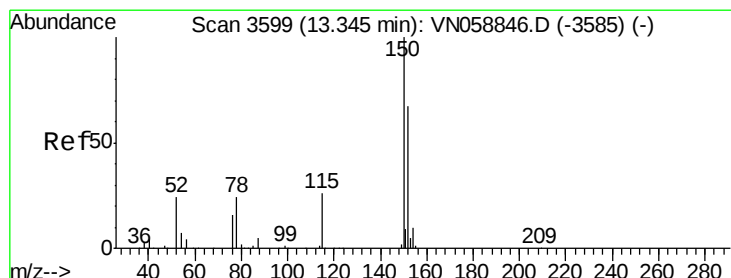
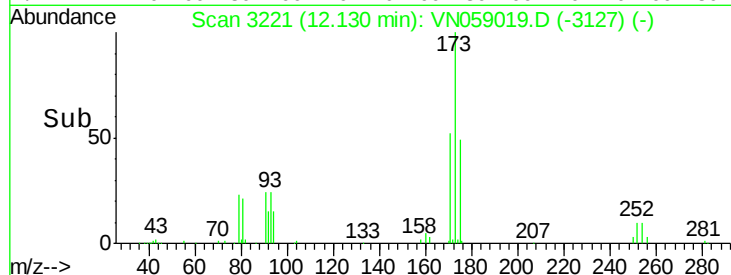
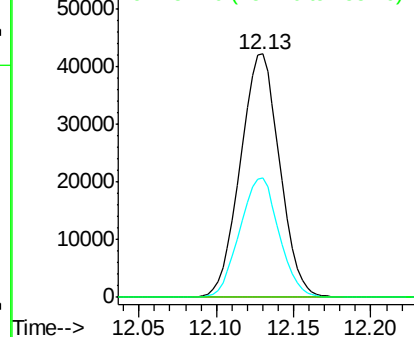
Tgt Ion:173 Resp: 74543
 Ion Ratio Lower Upper
 173 100
 175 48.9 24.7 74.1
 254 0.0 0.0 0.0

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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

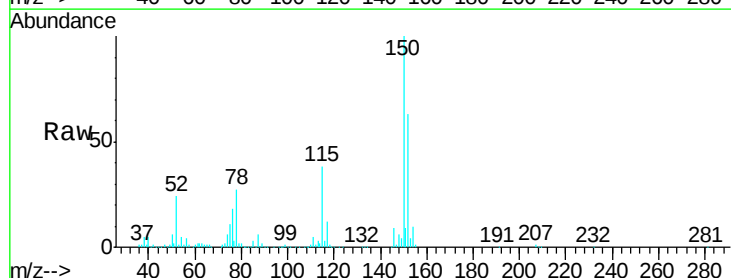
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

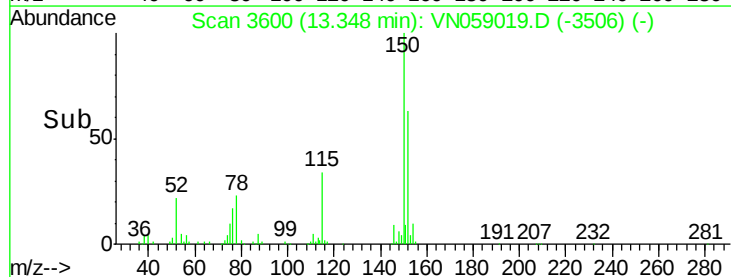
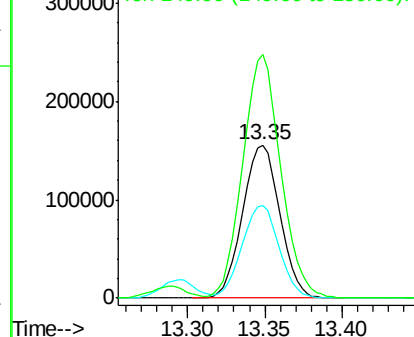
Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:152 Resp: 260763
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.5 91.5
 150 162.5 0.0 344.4



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: 22.835 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 105 Resp: 435165

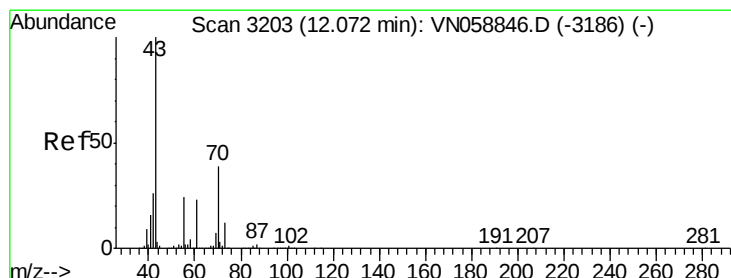
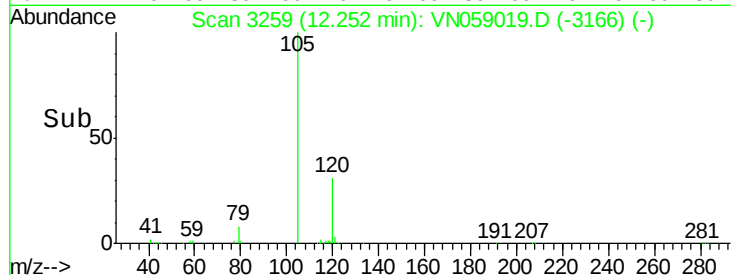
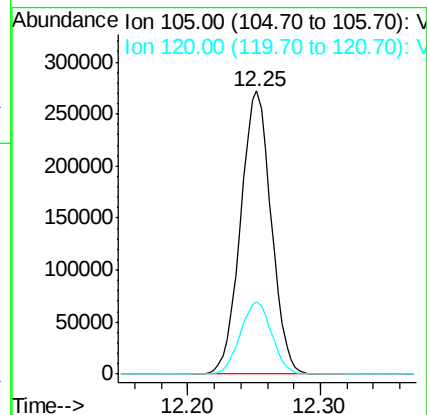
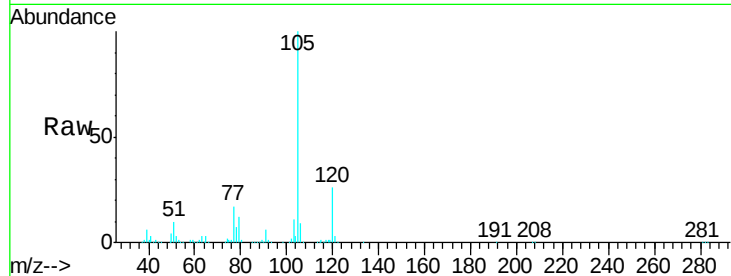
Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.4

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#74

N-ethyl acetate

Concen: 22.445 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion: 43 Resp: 193914

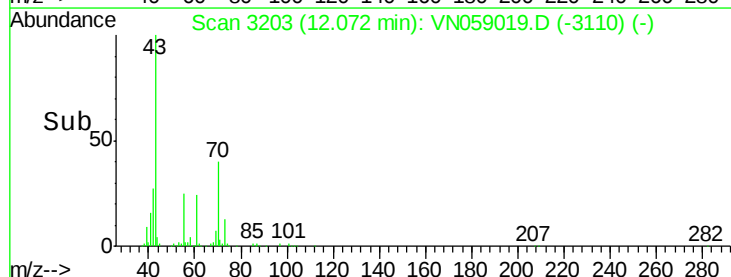
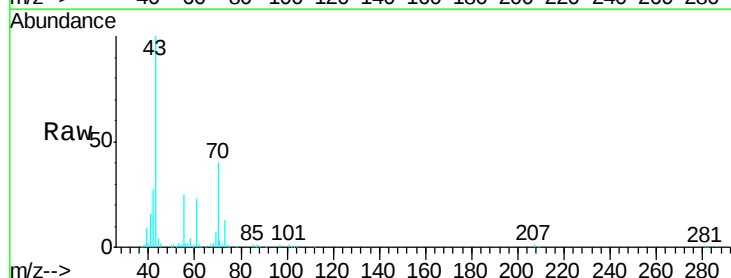
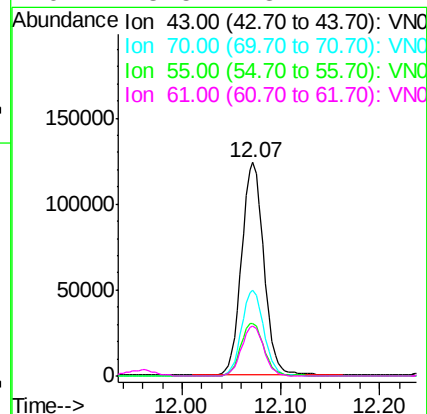
Ion Ratio Lower Upper

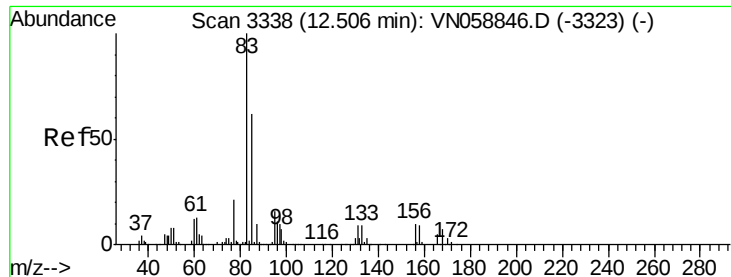
43 100

70 40.5 30.9 46.3

55 25.6 19.7 29.5

61 23.5 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.106 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 83 Resp: 154827
Ion Ratio Lower Upper

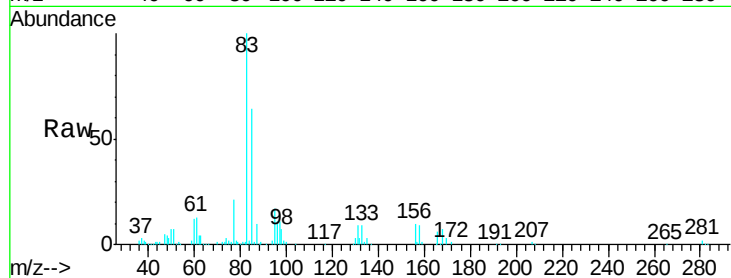
83 100

131 9.4 4.7 14.1

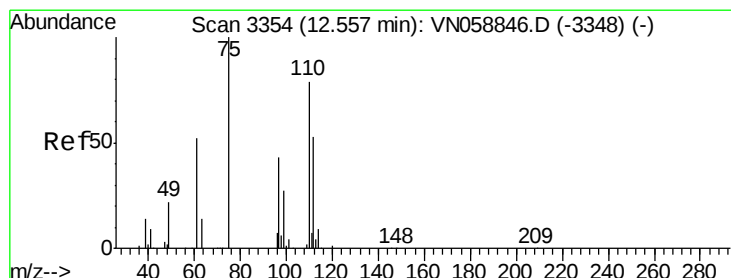
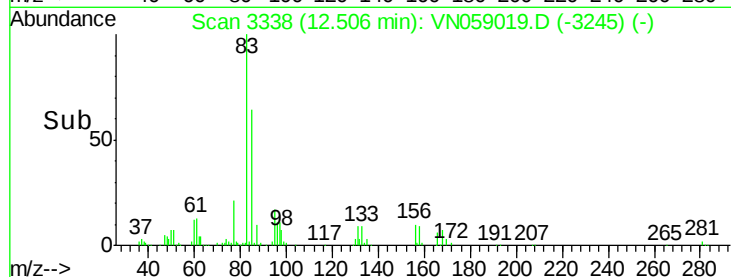
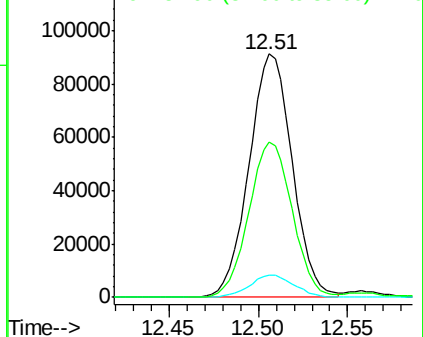
85 64.1 31.7 95.1

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Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3323) (-)
Ion 130.80 (130.50 to 131.50): VN058846.D (-3323) (-)
Ion 84.90 (84.60 to 85.60): VN058846.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 24.404 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

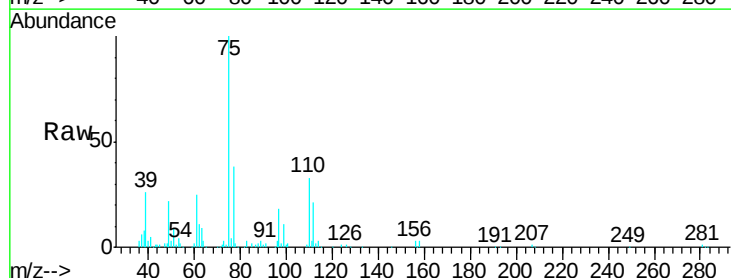
Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

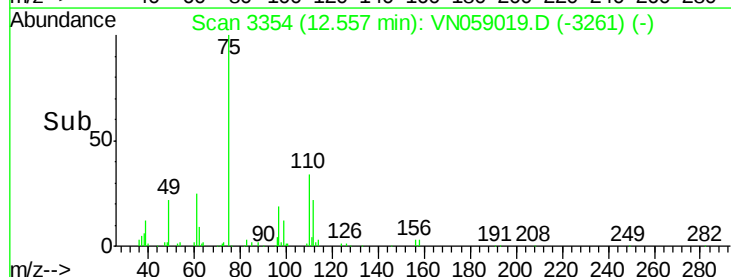
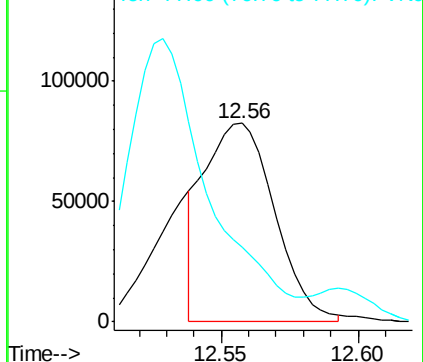
Tgt Ion: 75 Resp: 147486
Ion Ratio Lower Upper

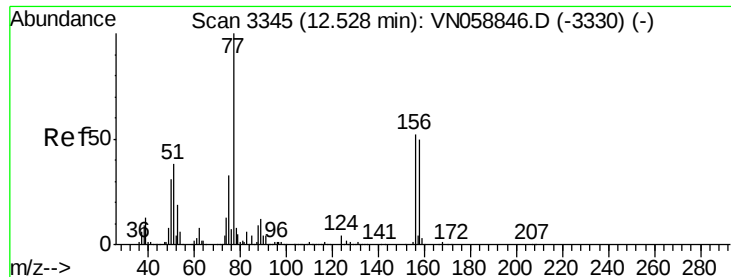
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN058846.D (-3348) (-)





#77

Bromobenzene

Concen: 22.366 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

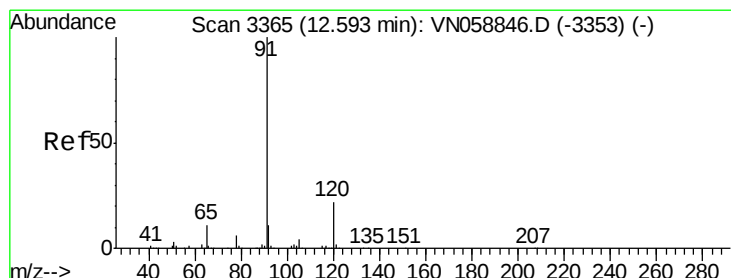
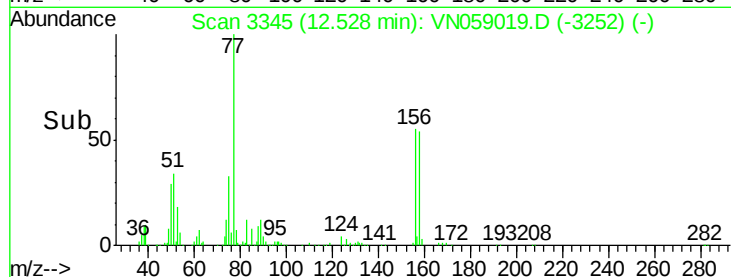
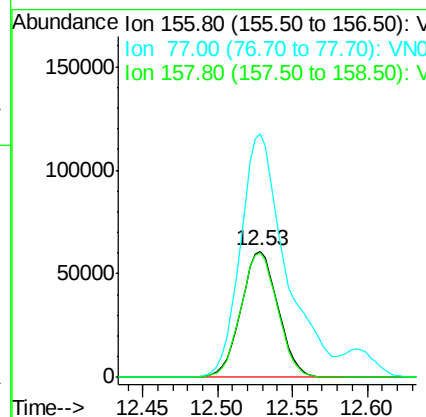
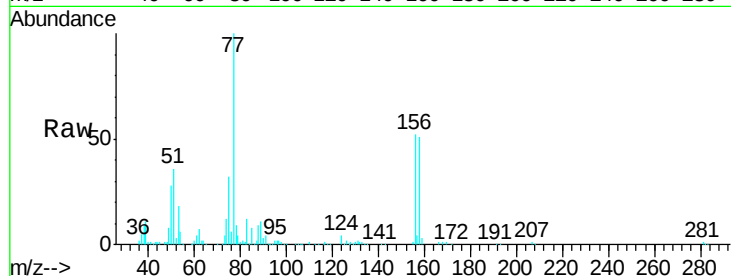
ClientSampleId :

VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	236.3	118.0	354.0
158	97.6	48.3	144.8

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#78

n-propylbenzene

Concen: 22.837 ug/l

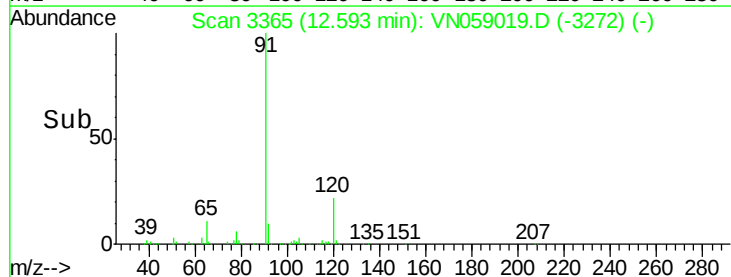
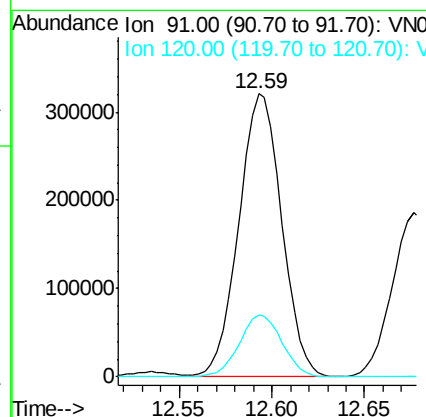
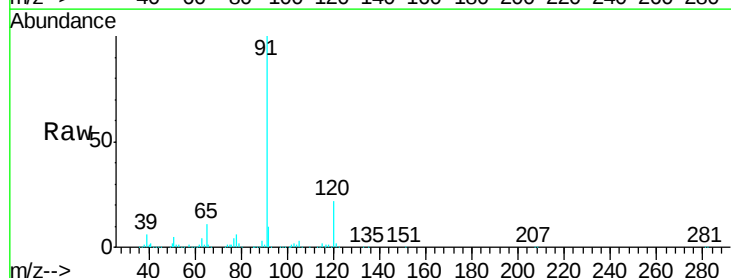
RT: 12.59 min Scan# 3365

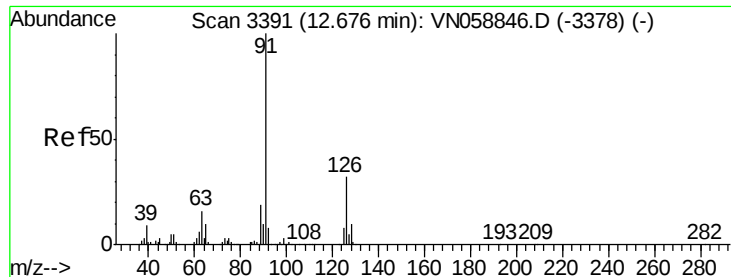
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 22.403 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tgt Ion: 91 Resp: 308872

Ion Ratio Lower Upper

91 100

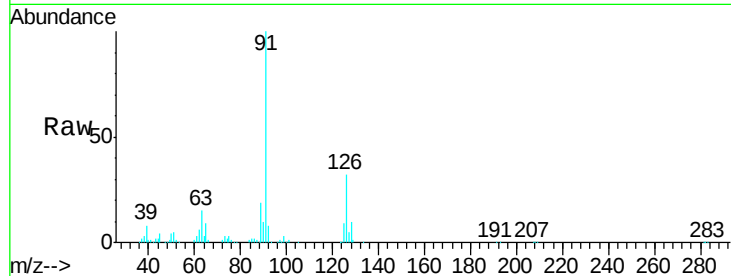
126 32.2 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

300000

250000

200000

150000

100000

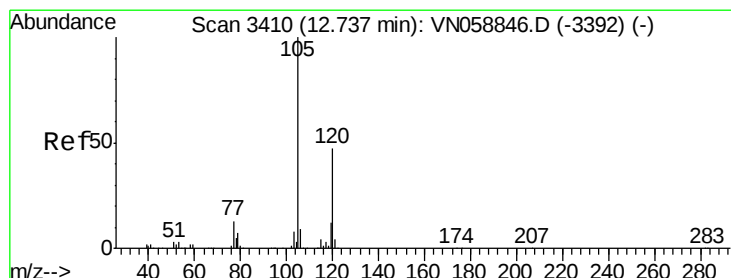
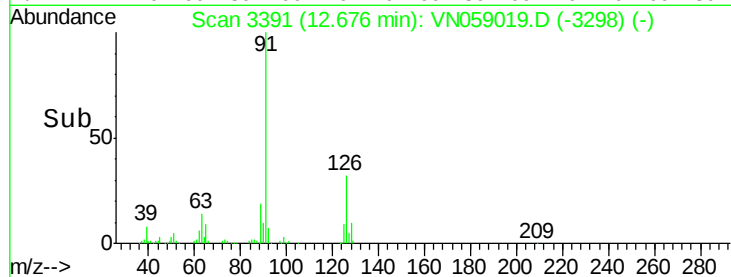
50000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.989 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059019.D

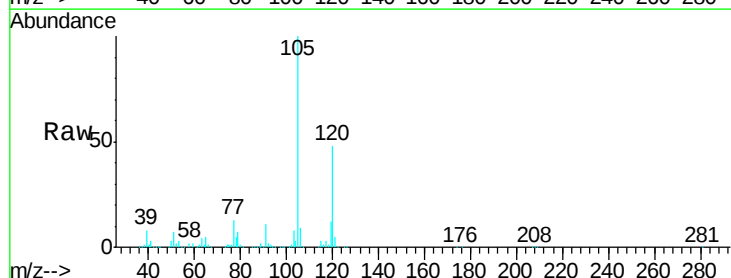
Acq: 30 Oct 2019 10:54

Tgt Ion: 105 Resp: 368089

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

250000

200000

150000

100000

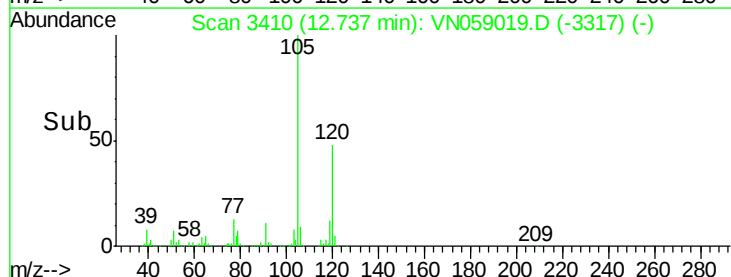
50000

0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.394 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

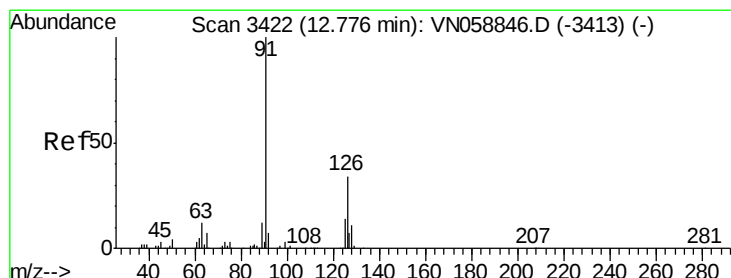
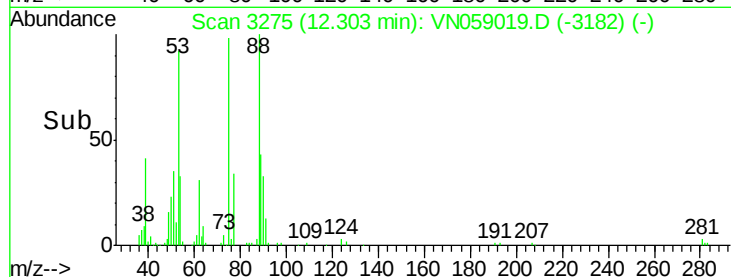
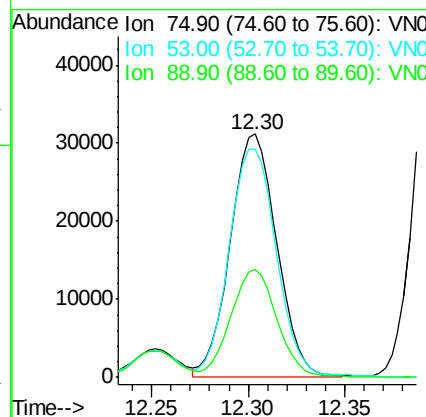
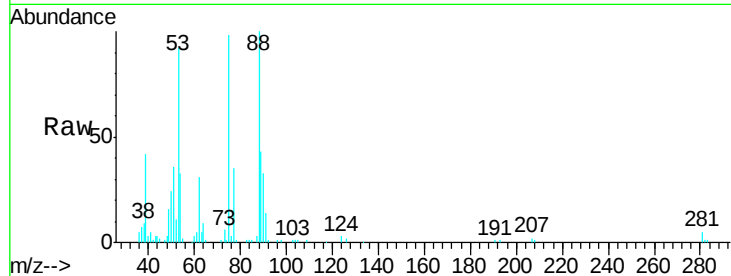
ClientSampleId :

VN1030WBS01

Tgt Ion:	75	Resp:	51951
Ion Ratio	Lower	Upper	
75	100		
53	96.6	78.6	118.0
89	44.2	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.081 ug/l

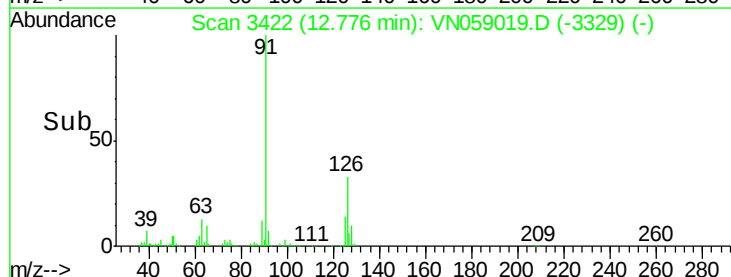
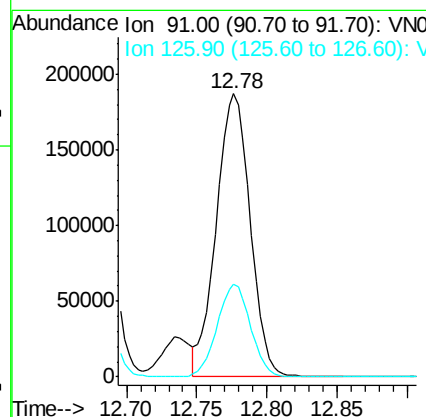
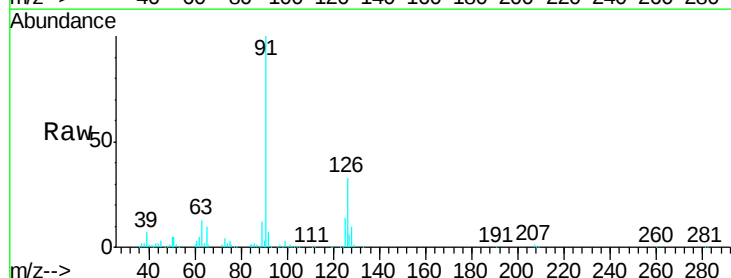
RT: 12.78 min Scan# 3422

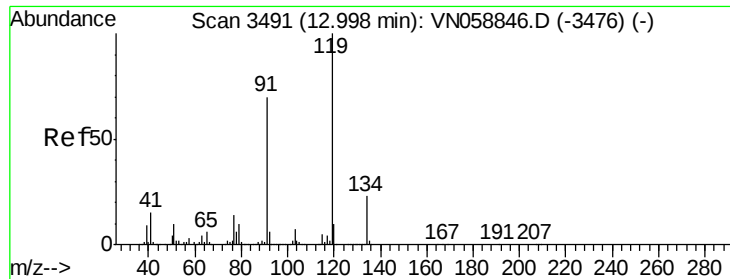
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	91	Resp:	311098
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.0	47.9





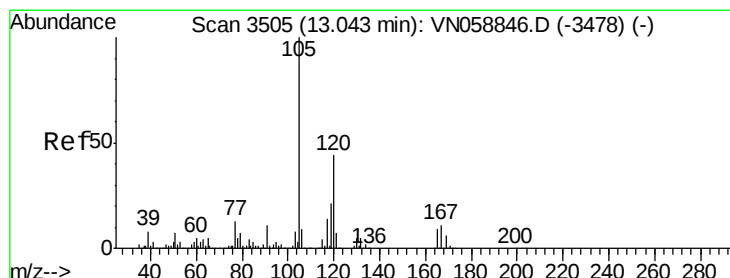
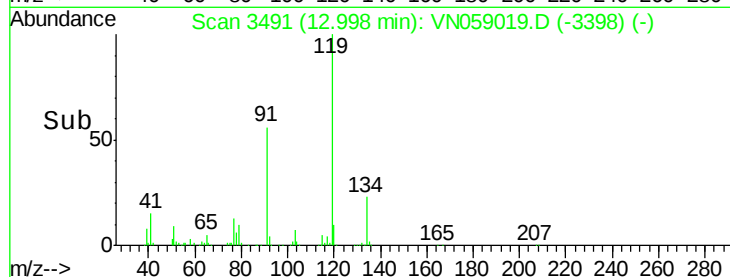
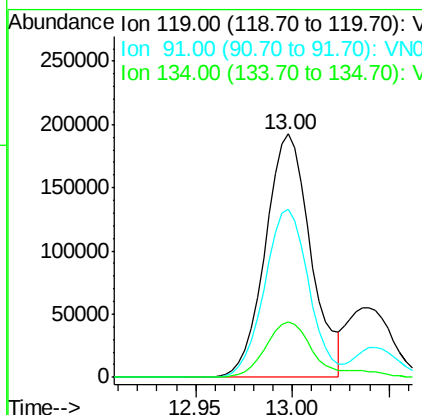
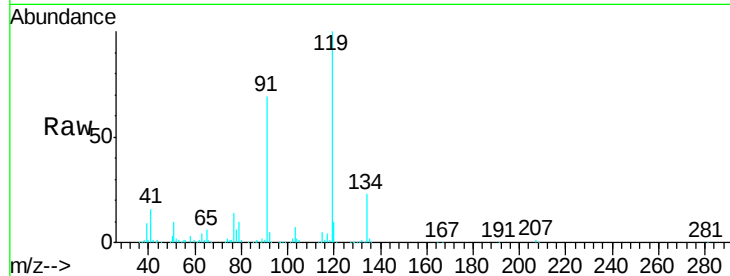
#83
tert-Butylbenzene
Concen: 22.885 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.1	102.3
134	25.1	11.6	34.8

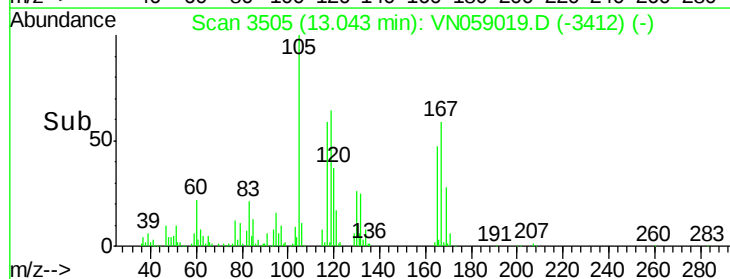
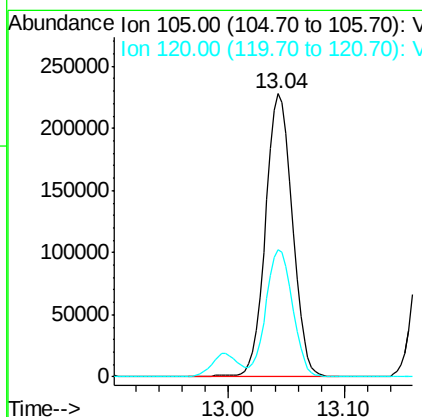
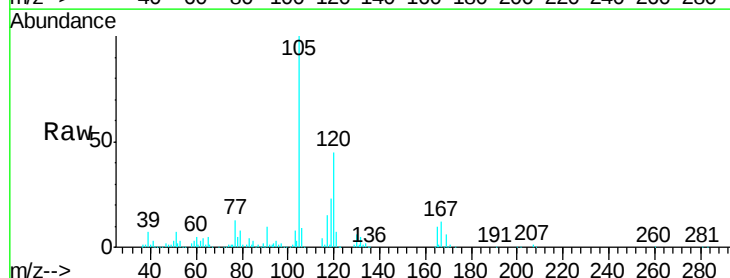
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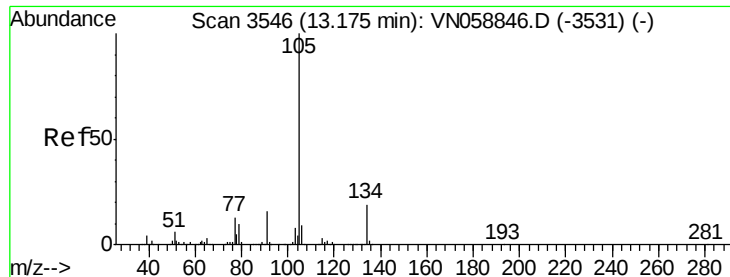
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.231 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.9	65.8





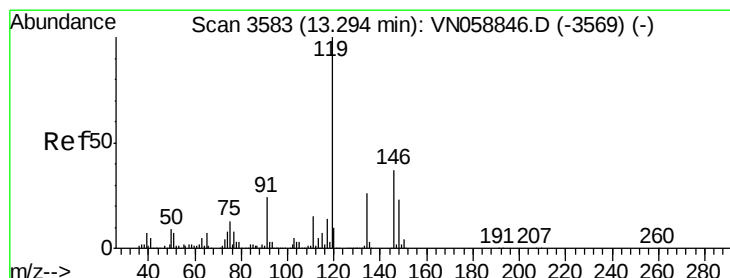
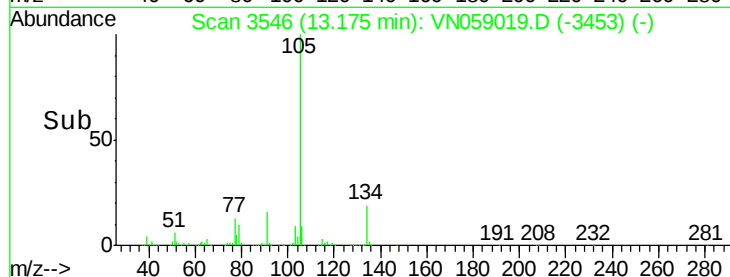
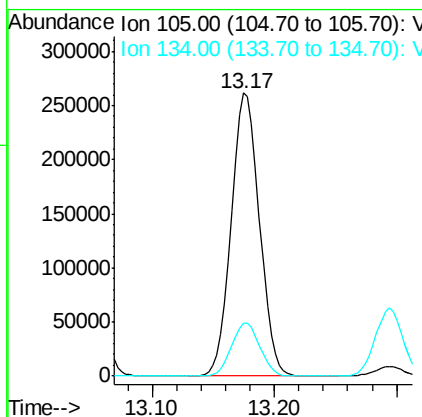
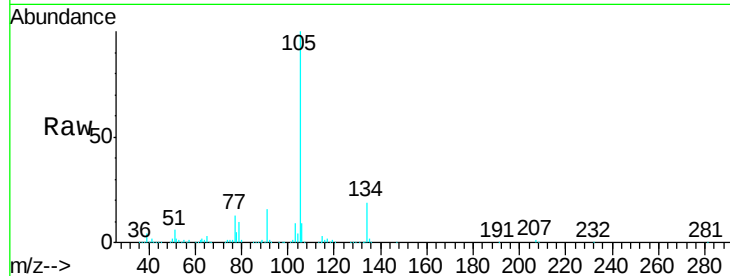
#85
 sec-Butylbenzene
 Concen: 23.010 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	420039		
134	19.0	9.4	28.2	

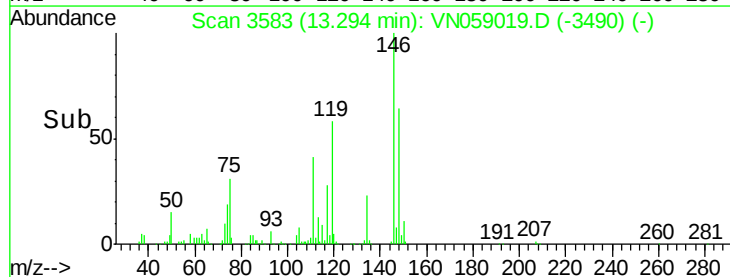
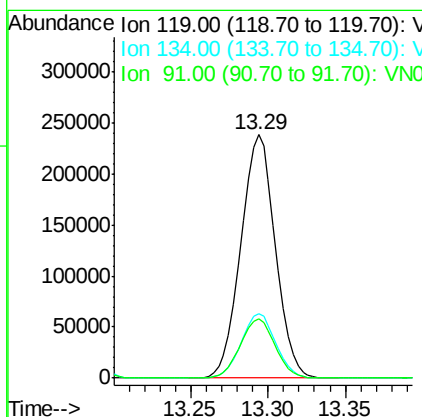
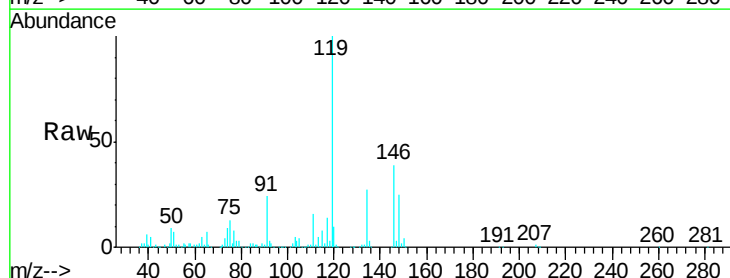
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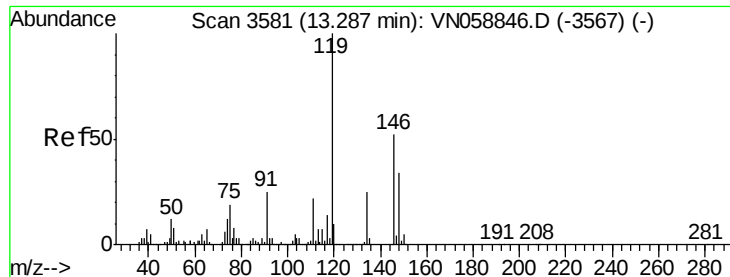
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 22.836 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	367820		
134	26.3	12.8	38.4	
91	24.5	12.2	36.4	





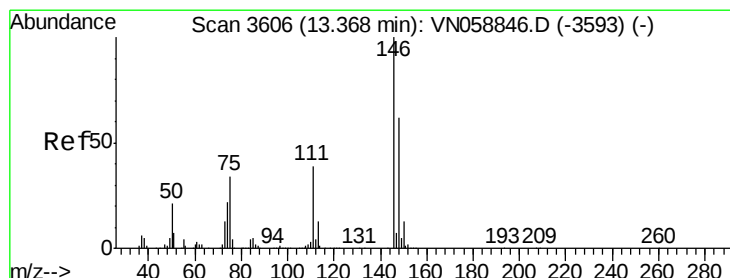
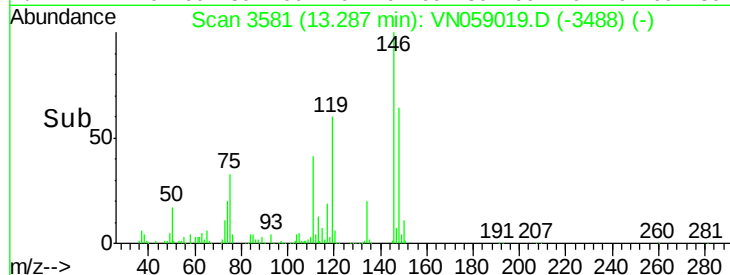
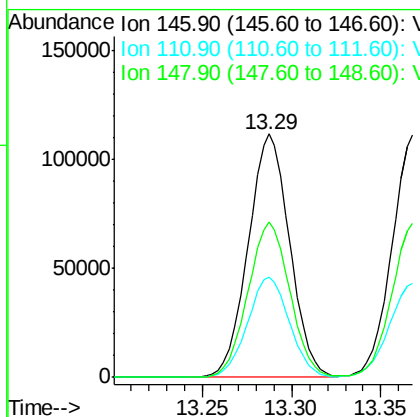
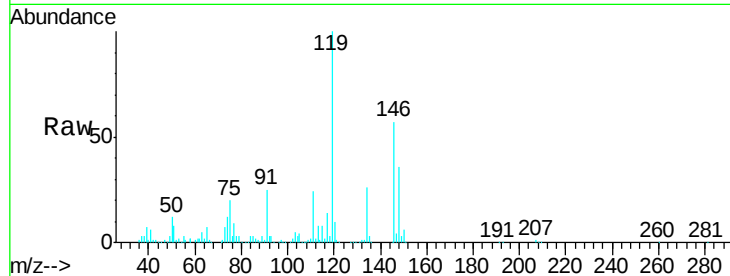
#87
 1,3-Dichlorobenzene
 Concen: 21.655 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	181876		
111	41.7	21.0	63.0	
148	64.4	32.1	96.3	

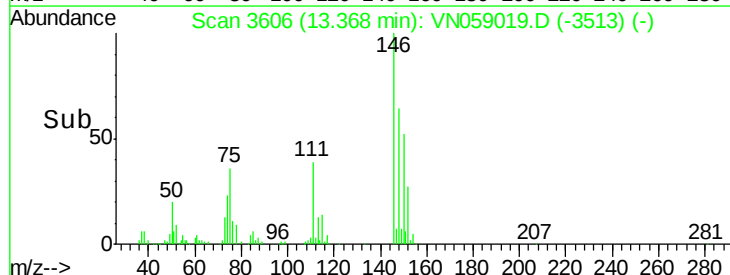
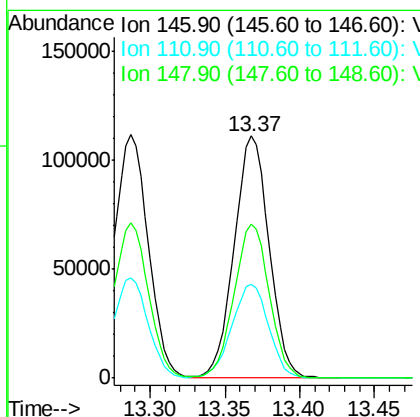
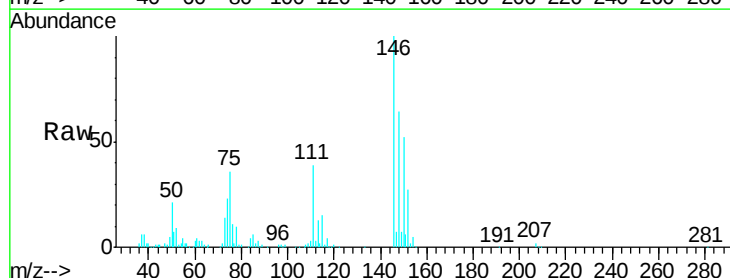
Manual Integrations
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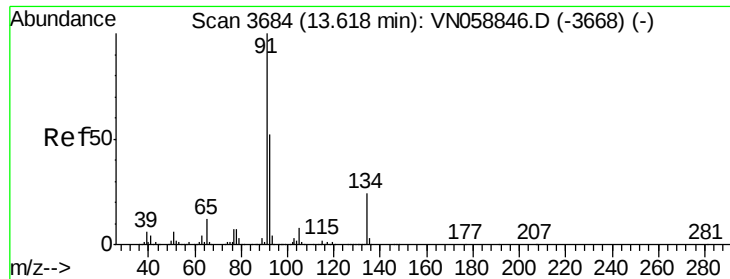
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#88
 1,4-Dichlorobenzene
 Concen: 21.460 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	180458		
111	41.1	20.2	60.6	
148	64.3	31.6	94.7	





#89

n-Butylbenzene

Concen: 21.537 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Instrument :

MSVOA_N

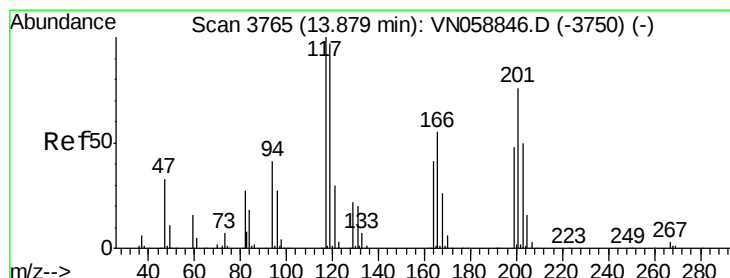
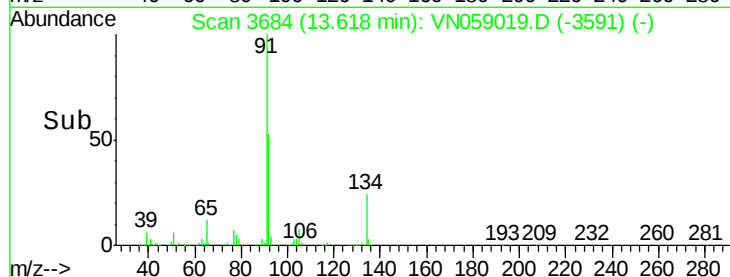
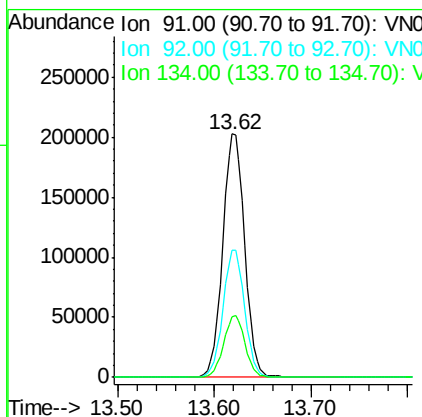
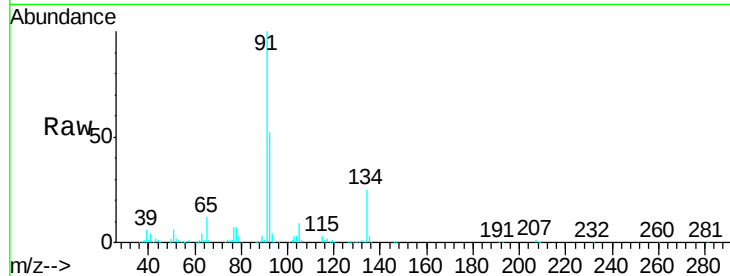
ClientSampleId :

VN1030WBS01

Tgt Ion:	91	Resp:	318667
Ion Ratio	Lower	Upper	
91	100		
92	51.5	25.7	77.1
134	24.7	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 22.137 ug/l

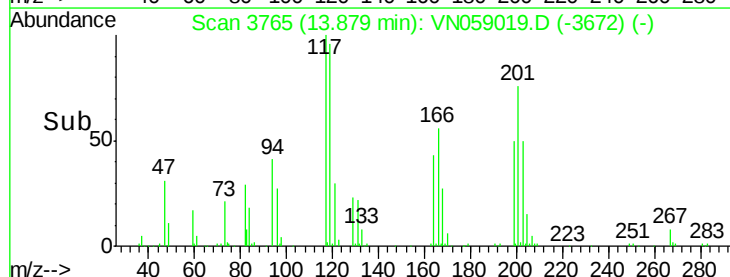
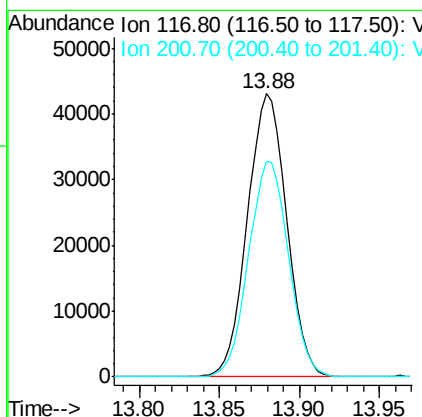
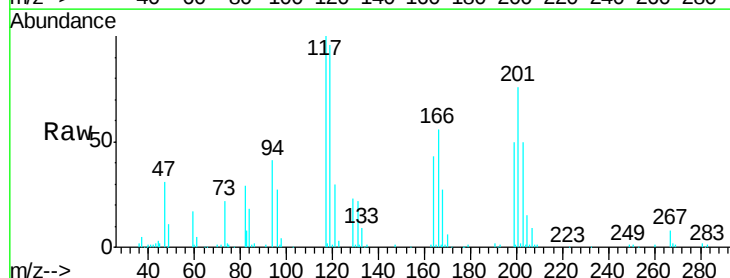
RT: 13.88 min Scan# 3765

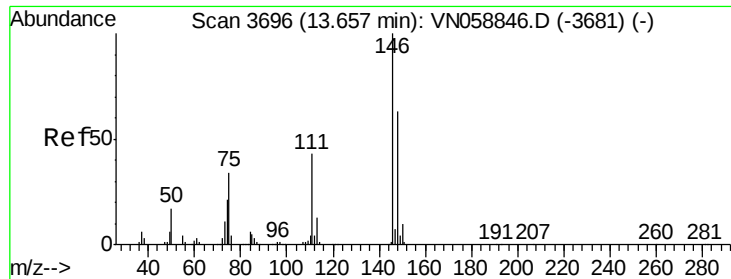
Delta R.T. 0.00 min

Lab File: VN059019.D

Acq: 30 Oct 2019 10:54

Tgt Ion:	117	Resp:	72251
Ion Ratio	Lower	Upper	
117	100		
201	77.7	38.9	116.6





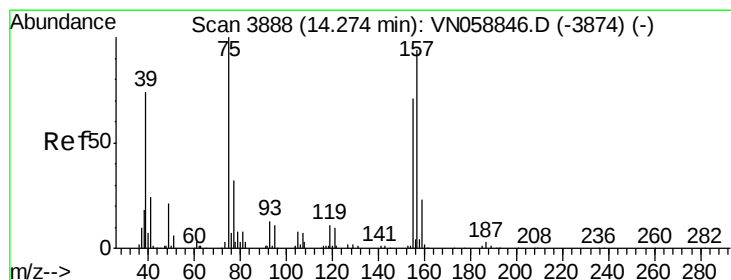
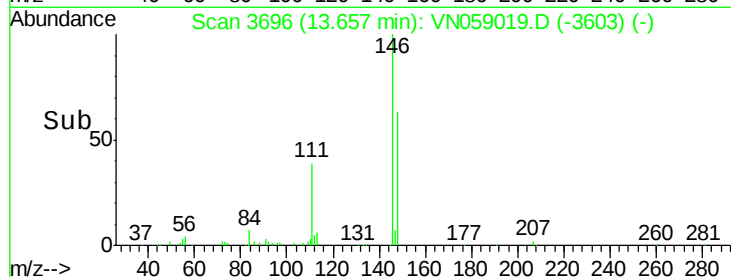
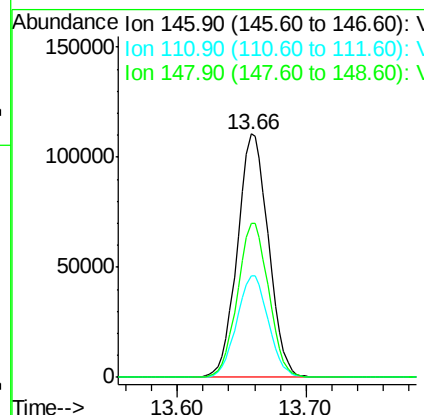
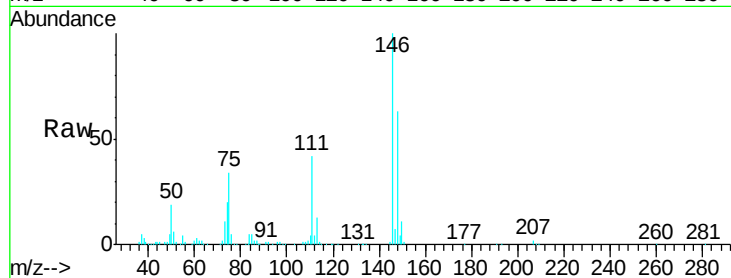
#91
 1,2-Dichlorobenzene
 Concen: 22.393 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184860		
111	42.6	21.6	64.8	
148	63.8	31.9	95.9	

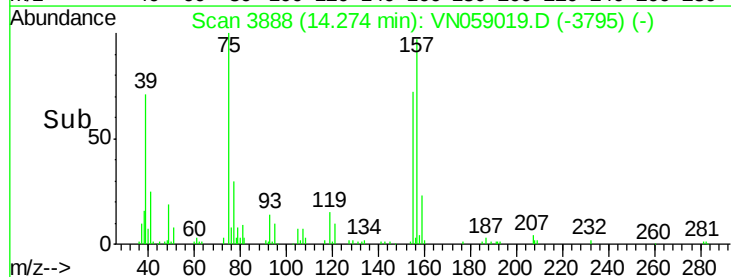
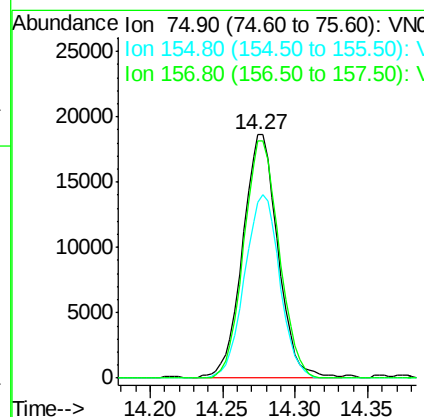
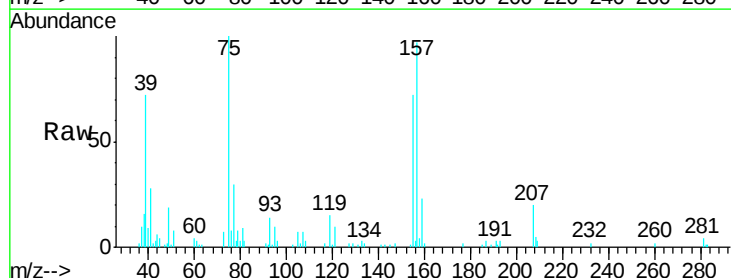
Manual Integrations
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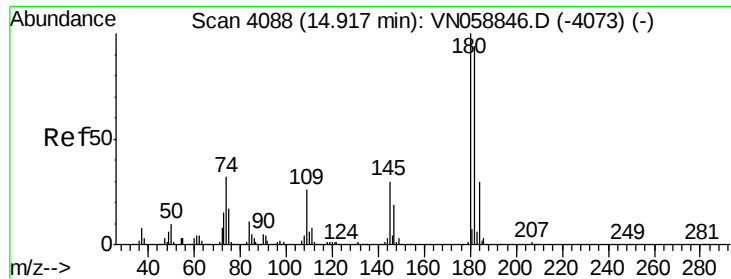
MMDadoda
 10/31/2019 3:37:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.834 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31575		
155	74.6	35.6	106.8	
157	97.2	47.4	142.2	





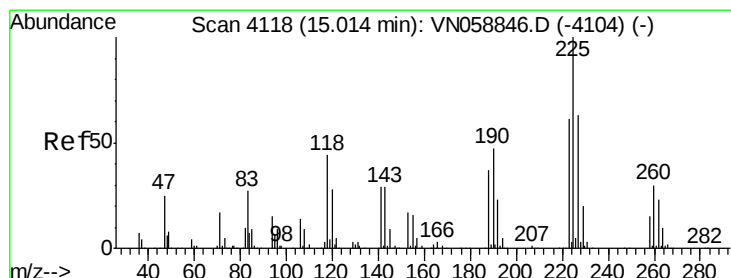
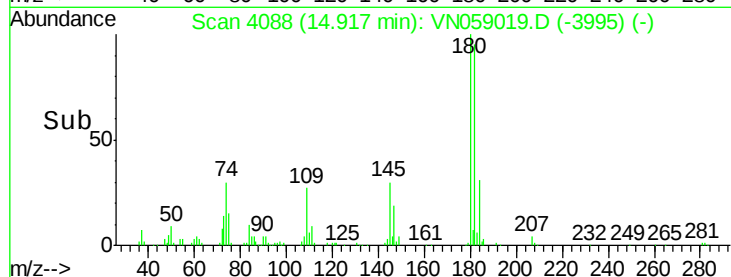
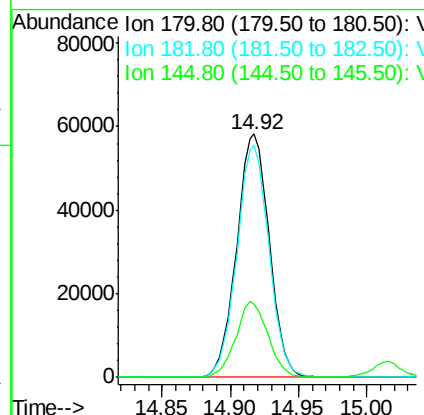
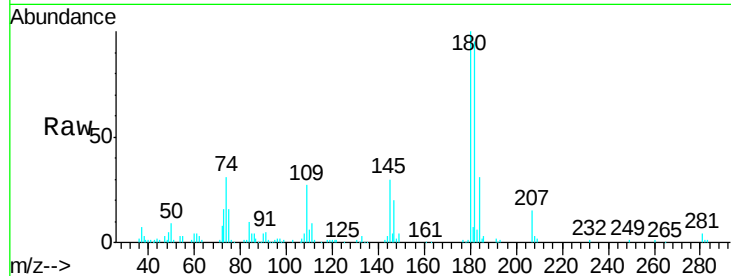
#93
 1,2,4-Trichlorobenzene
 Concen: 20.179 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.0	47.3	142.0
145	30.8	15.3	45.8

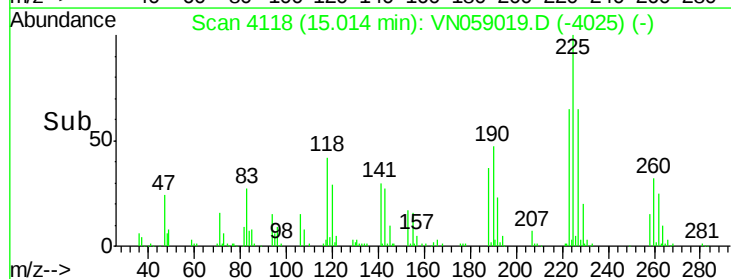
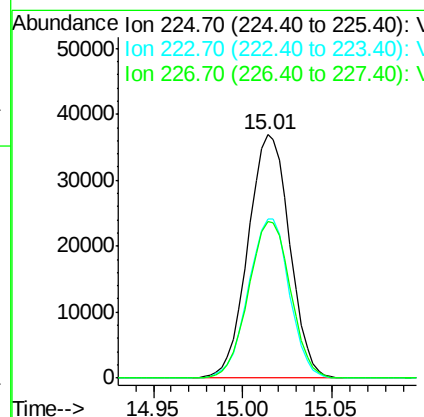
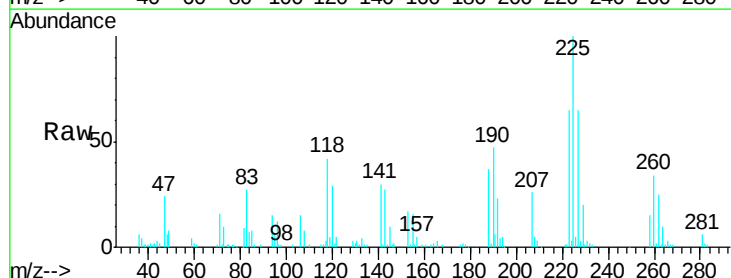
Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:37:20 PM



#94
 Hexachlorobutadiene
 Concen: 22.438 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059019.D
 Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.4	30.9	92.5
227	65.1	31.6	94.7





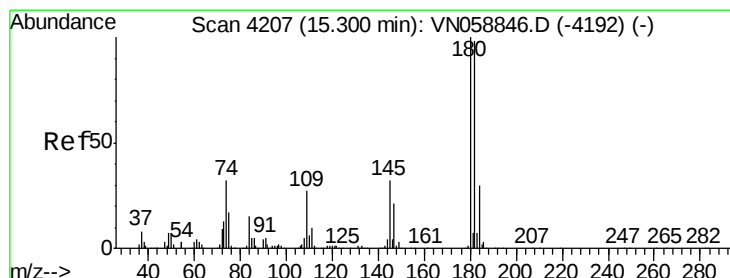
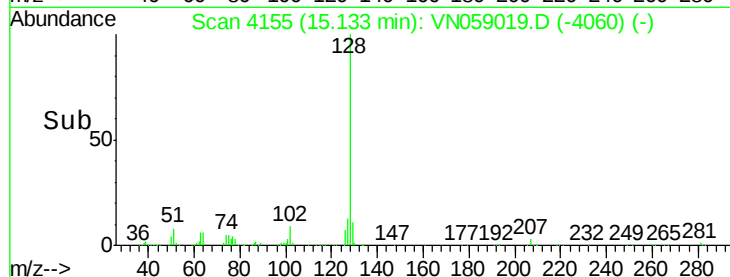
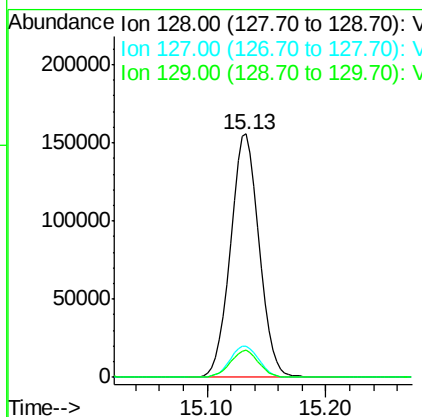
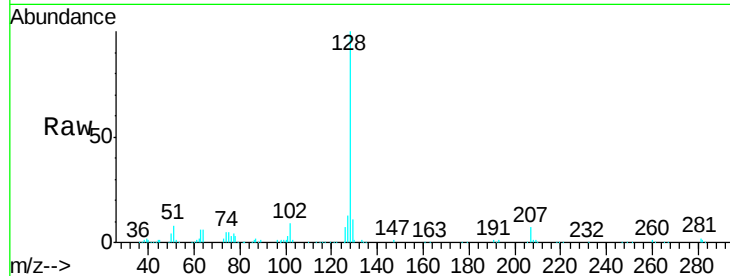
#95
Naphthalene
Concen: 18.804 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	259163		
127	13.0	10.2	15.2	
129	11.0	8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
10/31/2019 3:37:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.765 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059019.D
Acq: 30 Oct 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	97614		
182	93.6	47.9	143.7	
145	31.7	15.9	47.7	

