

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053793.D
 Acq On : 15 Feb 2019 12:10
 Operator : JC/SP
 Sample : VN0215WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:12 AM

Quant Time: Feb 15 23:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	666537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1010600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	919367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	354971	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.59	113	340794	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	10.09	98	1336169	55.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.46%	
62) 4-Bromofluorobenzene	12.40	95	413657	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	131772	17.755	ug/l	98
3) Chloromethane	2.06	50	144461	18.256	ug/l	98
4) Vinyl Chloride	2.19	62	152418	19.842	ug/l	100
5) Bromomethane	2.57	94	110665	22.033	ug/l	99
6) Chloroethane	2.71	64	97252	22.155	ug/l	98
7) Trichlorofluoromethane	3.02	101	217936	20.922	ug/l	97
8) Diethyl Ether	3.41	74	80033	21.038	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	136327	21.161	ug/l	98
10) Methyl Iodide	3.96	142	185991	18.394	ug/l	100
11) Tert butyl alcohol	4.78	59	43848	110.802	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	125901	20.398	ug/l	98
13) Acrolein	3.61	56	20307	94.250	ug/l	98
14) Allyl chloride	4.33	41	188481	19.179	ug/l	98
15) Acrylonitrile	4.99	53	233023	109.075	ug/l	99
16) Acetone	3.82	43	205292	119.694	ug/l	99
17) Carbon Disulfide	4.06	76	320787	16.691	ug/l	100
18) Methyl Acetate	4.33	43	119177	23.463	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	332503	21.250	ug/l	100
20) Methylene Chloride	4.55	84	138283	19.217	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	125108	18.788	ug/l	99
22) Diisopropyl ether	5.95	45	378434	20.782	ug/l	98
23) Vinyl Acetate	5.90	43	1255880	99.695	ug/l	100
24) 1,1-Dichloroethane	5.85	63	241579	19.890	ug/l	99
25) 2-Butanone	6.84	43	260487	106.488	ug/l	97
26) 2,2-Dichloropropane	6.83	77	184817	19.934	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	147145	19.872	ug/l	98
28) Bromochloromethane	7.20	49	107319	20.361	ug/l	96
29) Tetrahydrofuran	7.21	42	168869	107.508	ug/l	98
30) Chloroform	7.37	83	244519	20.309	ug/l	100
31) Cyclohexane	7.66	56	207887	18.276	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	200315	19.992	ug/l	99
36) 1,1-Dichloropropene	7.79	75	177171	19.448	ug/l	98
37) Ethyl Acetate	6.93	43	113967	22.399	ug/l	100
38) Carbon Tetrachloride	7.78	117	179372	19.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199297	18.440	ug/l	97
40) Benzene	8.04	78	550175	19.584	ug/l	100
41) Methacrylonitrile	7.18	41	61740m	21.712	ug/l	
42) 1,2-Dichloroethane	8.12	62	166399	19.949	ug/l	97
43) Isopropyl Acetate	8.16	43	192402	19.581	ug/l #	89
44) Trichloroethene	8.84	130	155011	19.382	ug/l	97
45) 1,2-Dichloropropane	9.12	63	148873	20.719	ug/l	98
46) Dibromomethane	9.21	93	87911	20.296	ug/l	99
47) Bromodichloromethane	9.40	83	188259	20.904	ug/l	99
48) Methyl methacrylate	9.20	41	96985	20.678	ug/l	98
49) 1,4-Dioxane	9.20	88	27418	426.753	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	577548	119.613	ug/l	98
52) Toluene	10.16	92	361967	21.710	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190108	21.081	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	217457	20.349	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	137524	22.890	ug/l	99
56) Ethyl methacrylate	10.43	69	159252	22.407	ug/l	96
57) 1,3-Dichloropropane	10.71	76	223609	21.777	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	345512	83.884	ug/l	99
59) 2-Hexanone	10.75	43	360521	109.985	ug/l	99
60) Dibromochloromethane	10.90	129	150260	22.179	ug/l	100
61) 1,2-Dibromoethane	11.01	107	125275	21.067	ug/l	97
64) Tetrachloroethene	10.63	164	159400	20.226	ug/l	99
65) Chlorobenzene	11.43	112	382618	19.593	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	142882	20.950	ug/l	98
67) Ethyl Benzene	11.51	91	617892	19.262	ug/l	99
68) m/p-Xylenes	11.62	106	489467	39.978	ug/l	99
69) o-Xylene	11.95	106	229850	19.432	ug/l	100
70) Styrene	11.96	104	370658	19.334	ug/l	100
71) Bromoform	12.13	173	97317	20.813	ug/l #	99
73) Isopropylbenzene	12.25	105	612755	21.188	ug/l	99
74) N-amyl acetate	12.07	43	144633	20.798	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	150010	21.674	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	121105m	22.919	ug/l	
77) Bromobenzene	12.53	156	160423	20.582	ug/l	98
78) n-propylbenzene	12.59	91	693376	20.740	ug/l	100
79) 2-Chlorotoluene	12.67	91	415187	20.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	514215	21.442	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37349	19.875	ug/l	99
82) 4-Chlorotoluene	12.77	91	411188	20.203	ug/l	99
83) tert-Butylbenzene	12.99	119	459905	21.698	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	526237	21.538	ug/l	100
85) sec-Butylbenzene	13.17	105	624888	21.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	536925	21.285	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	281650	20.102	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	273756	19.752	ug/l	99
89) n-Butylbenzene	13.61	91	435638	19.952	ug/l	99
90) Hexachloroethane	13.87	117	93604	22.496	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	278322	20.749	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21807	22.107	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143605	18.667	ug/l	98
94) Hexachlorobutadiene	15.01	225	105543	22.030	ug/l	99
95) Naphthalene	15.13	128	283483	16.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142681	19.988	ug/l	99

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

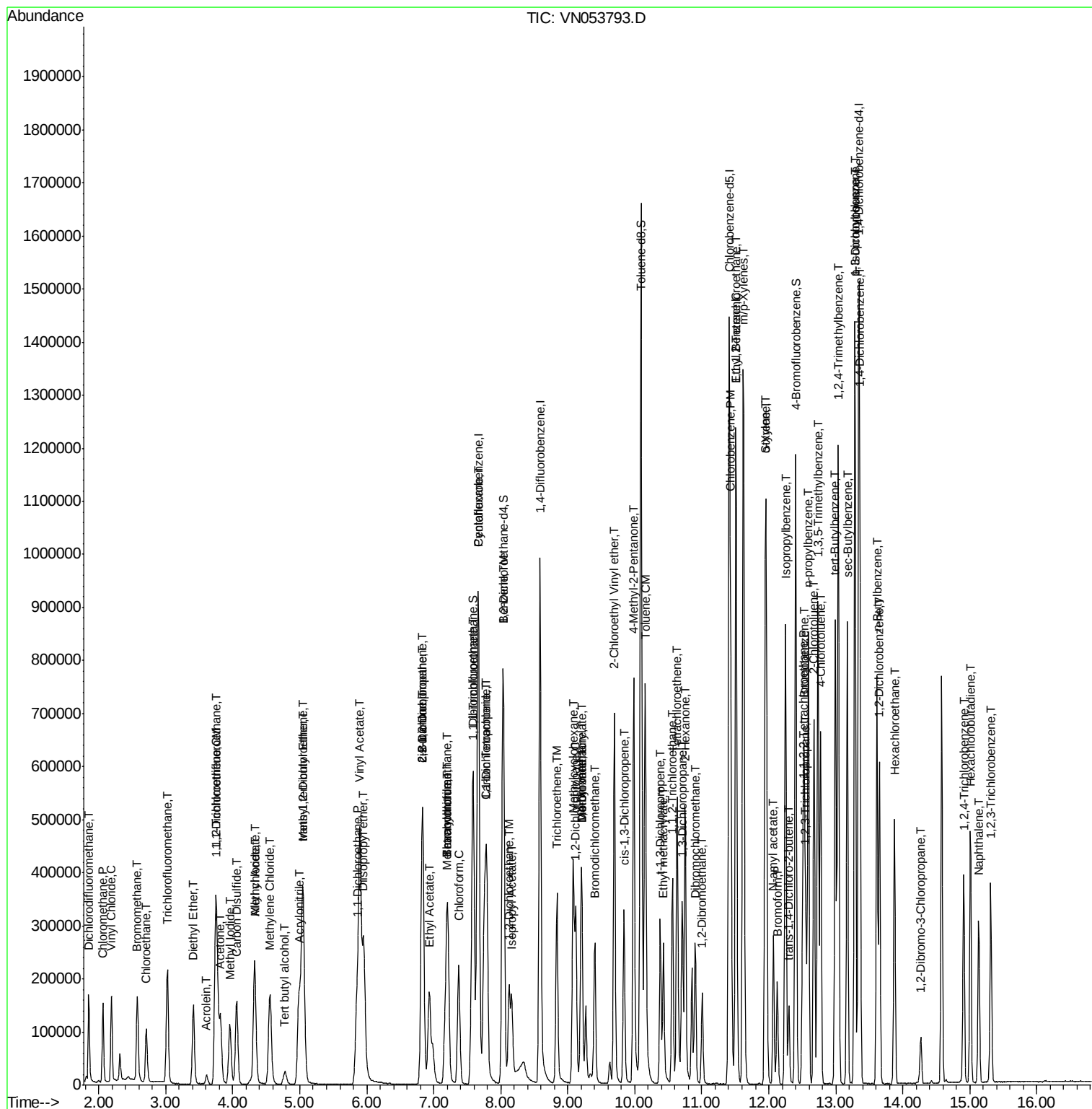
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Data File : VN053793.D
Acq On : 15 Feb 2019 12:10
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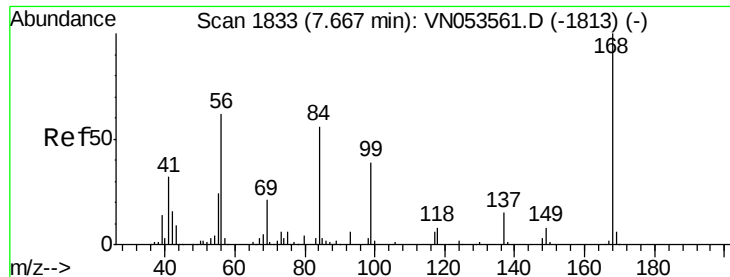
Instrument :
MSVOA_N
Client Sampled :
VN0215WBSD01

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion:168 Resp: 666537

Ion Ratio Lower Upper

168 100

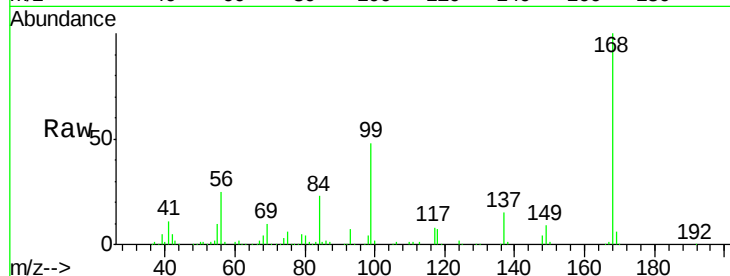
99 47.4 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

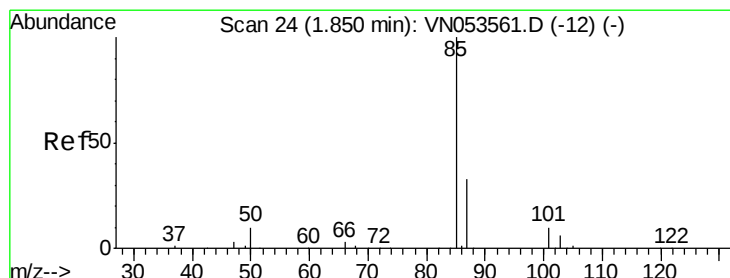
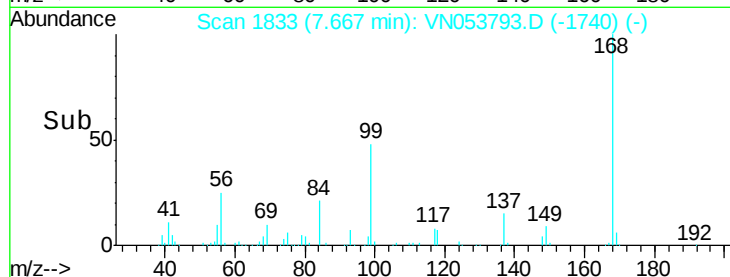
100000

50000

0

7.60 7.80 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.755 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053793.D

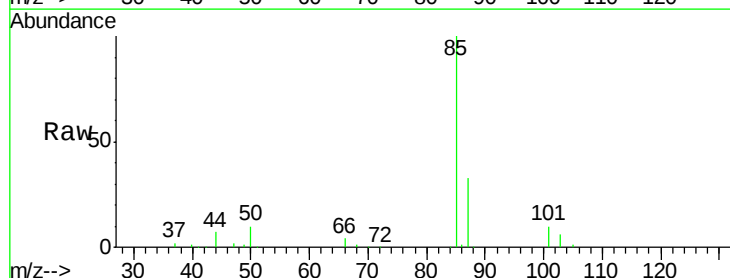
Acq: 15 Feb 2019 12:10

Tgt Ion: 85 Resp: 131772

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

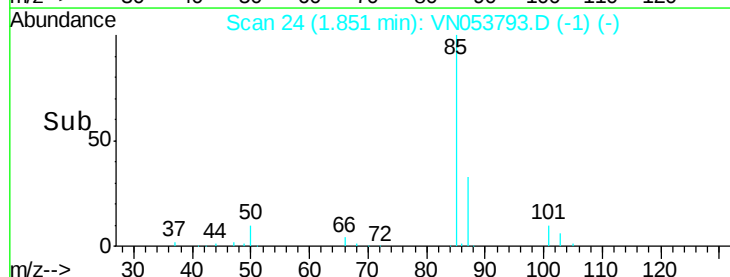
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.256 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 50 Resp: 144461

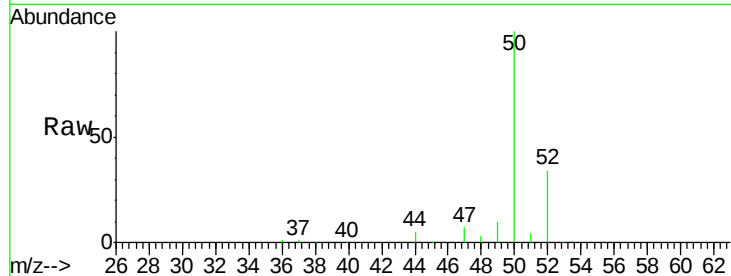
Ion Ratio Lower Upper

50 100

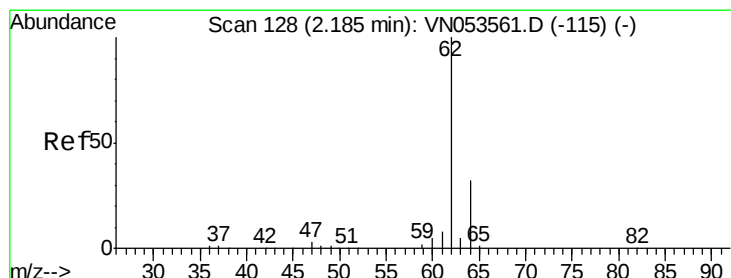
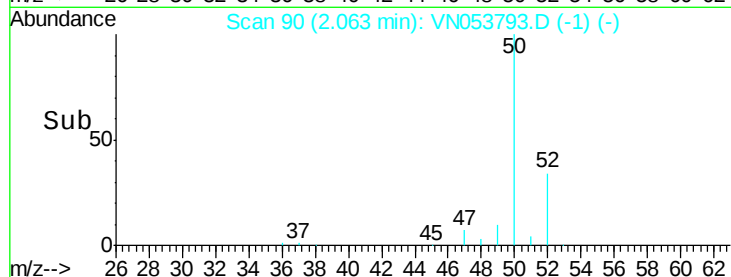
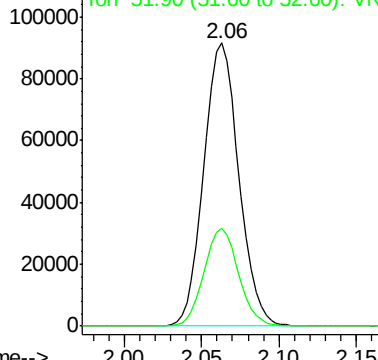
52 34.5 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.842 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053793.D

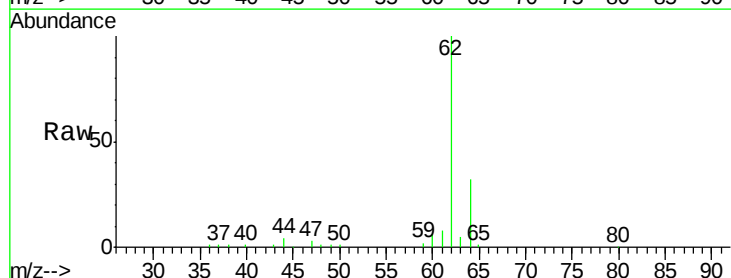
Acq: 15 Feb 2019 12:10

Tgt Ion: 62 Resp: 152418

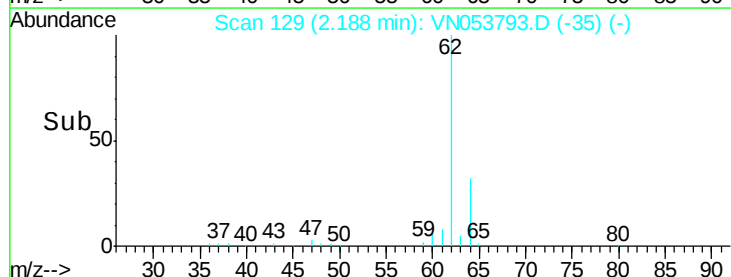
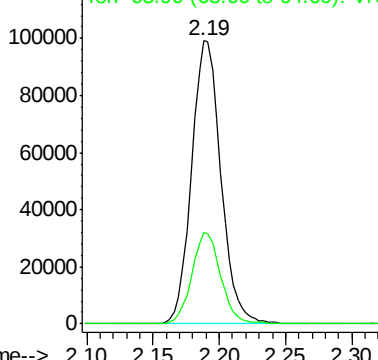
Ion Ratio Lower Upper

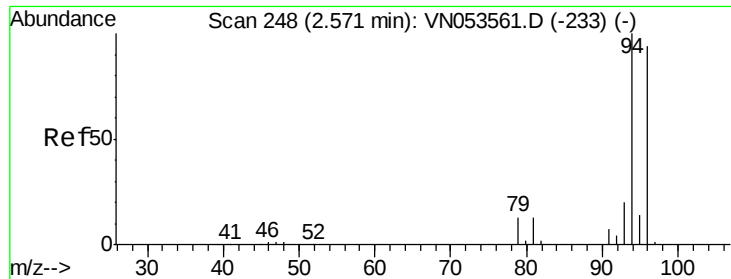
62 100

64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 22.033 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 94 Resp: 110665

Ion Ratio Lower Upper

94 100

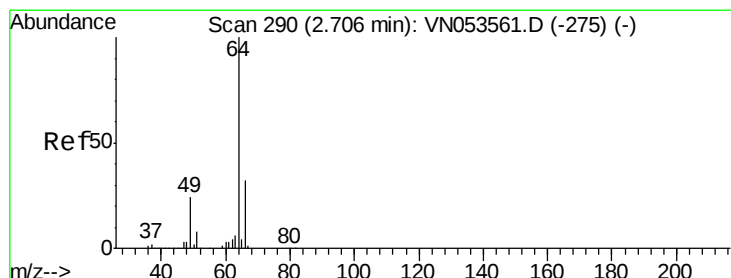
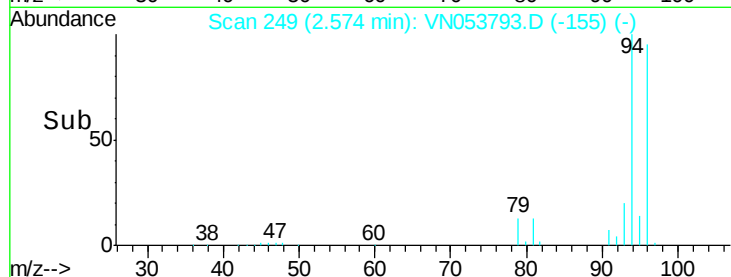
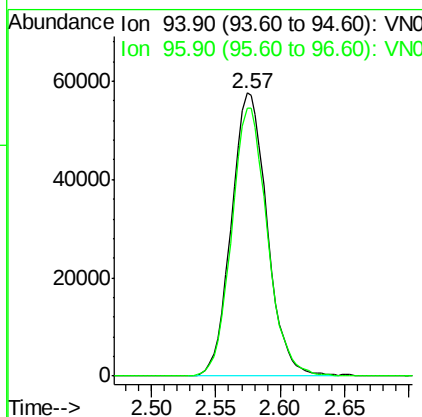
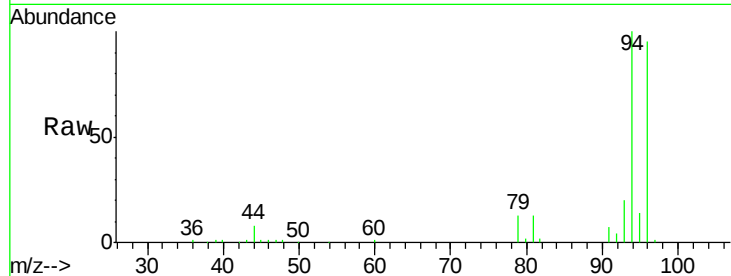
96 94.6 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 22.155 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053793.D

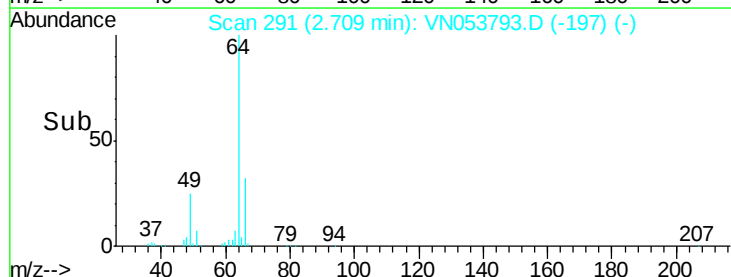
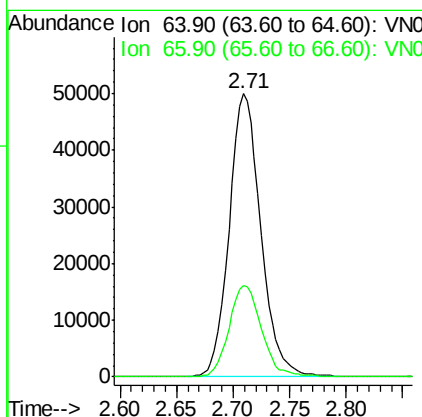
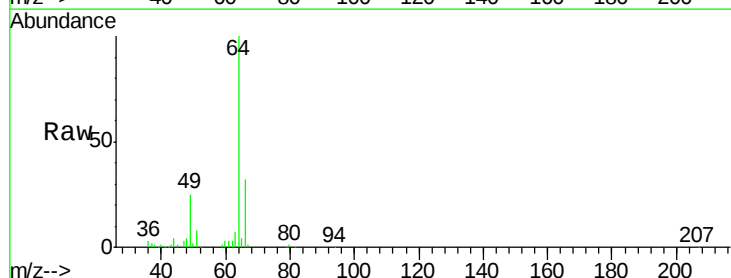
Acq: 15 Feb 2019 12:10

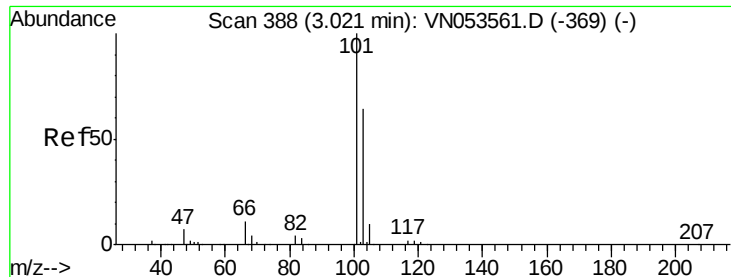
Tgt Ion: 64 Resp: 97252

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

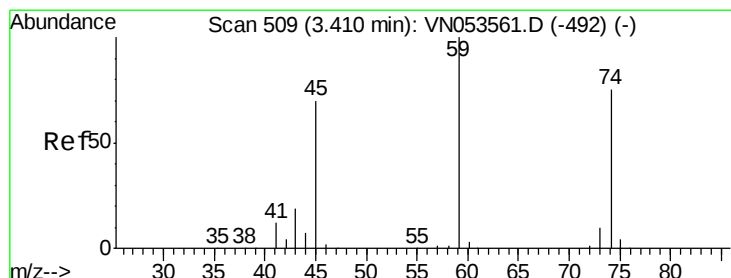
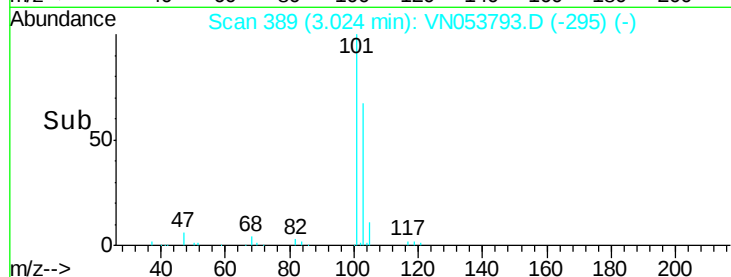
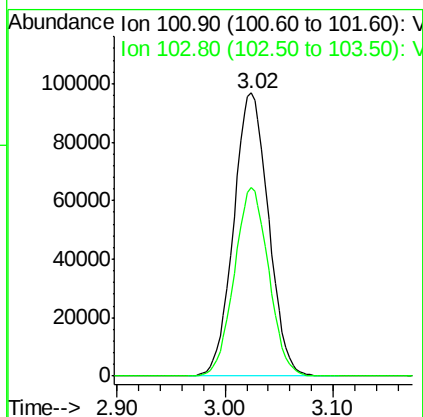
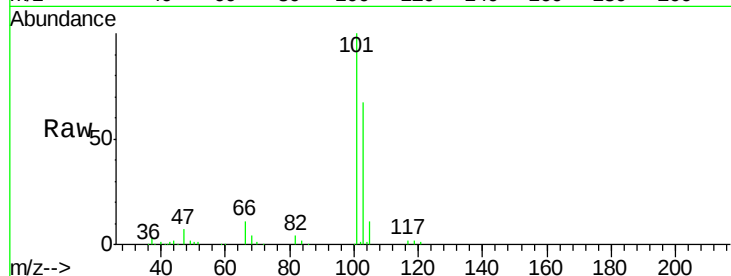
Trichlorofluoromethane
Concen: 20.922 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.6	77.4

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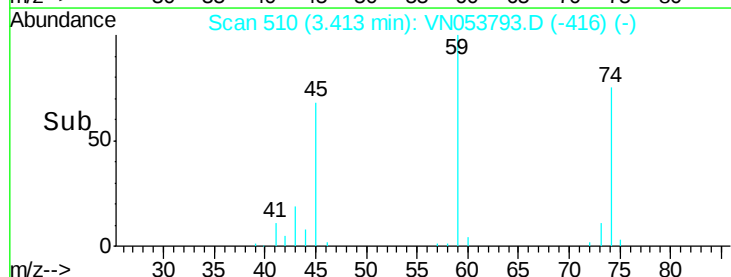
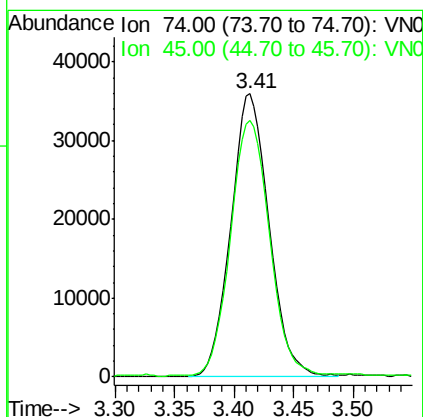
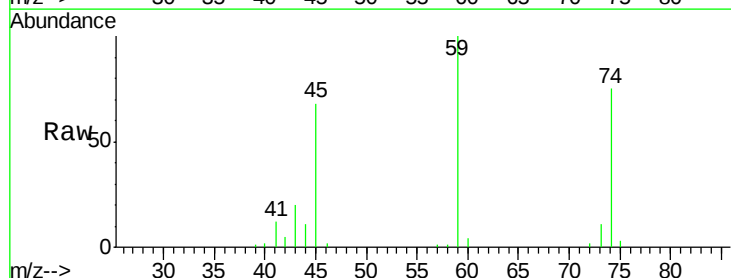
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#8

Diethyl Ether
Concen: 21.038 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.161 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

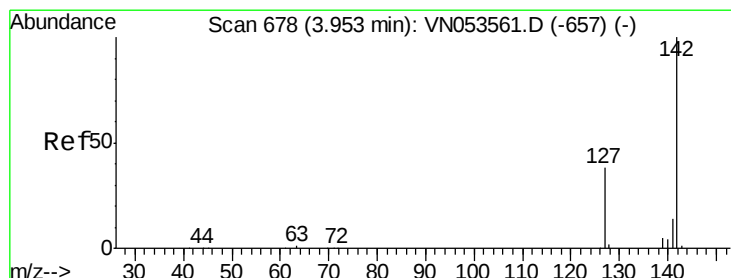
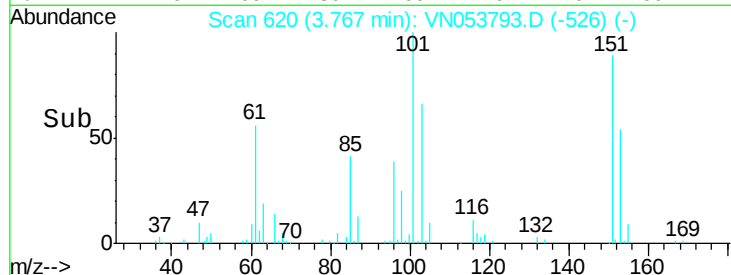
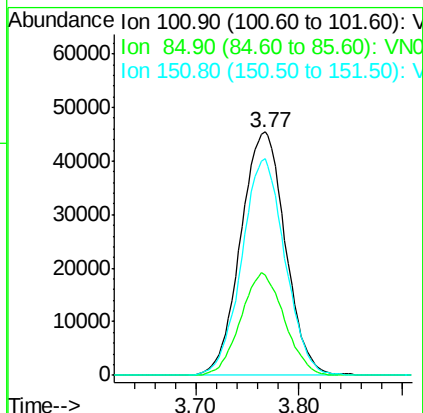
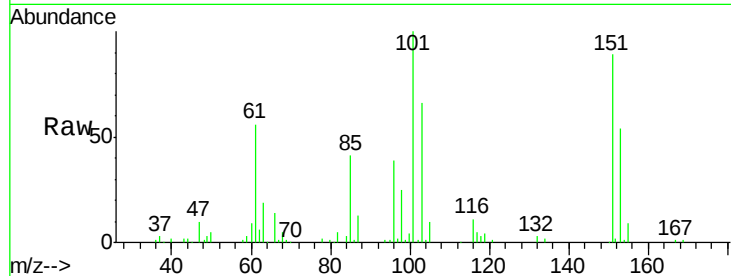
ClientSampleId :

VN0215WBSD01

Tot Ion:	101	Resp:	136327
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.8	49.2
151	86.3	66.9	100.3

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#10

Methyl Iodide

Concen: 18.394 ug/l

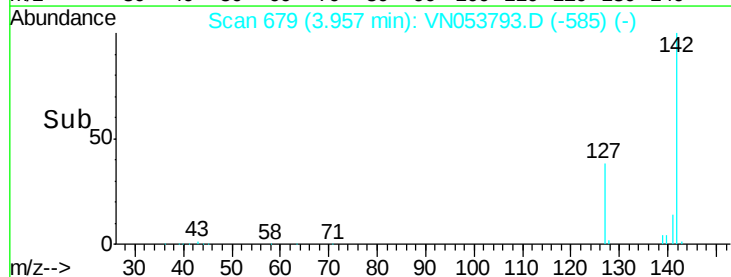
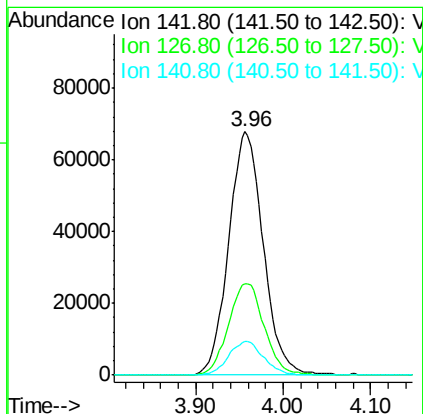
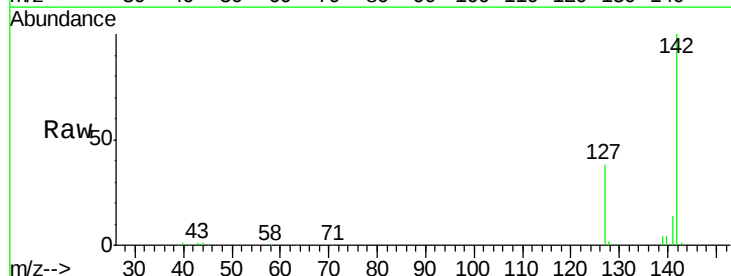
RT: 3.96 min Scan# 679

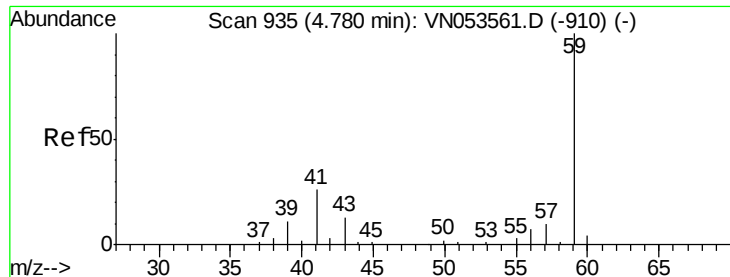
Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	142	Resp:	185991
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.0	11.1	16.7





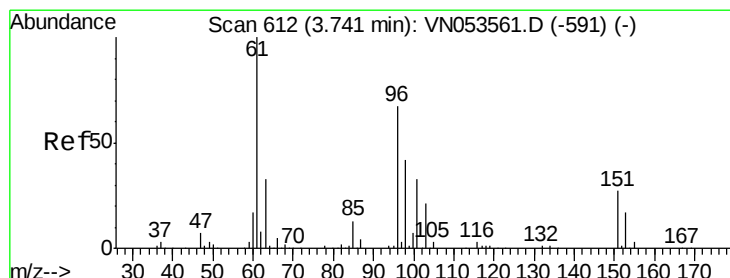
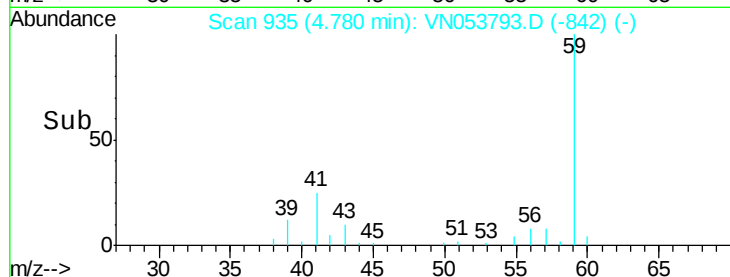
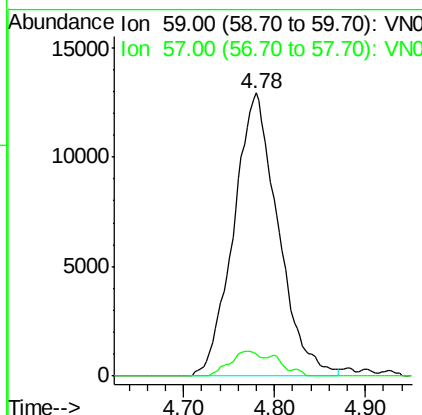
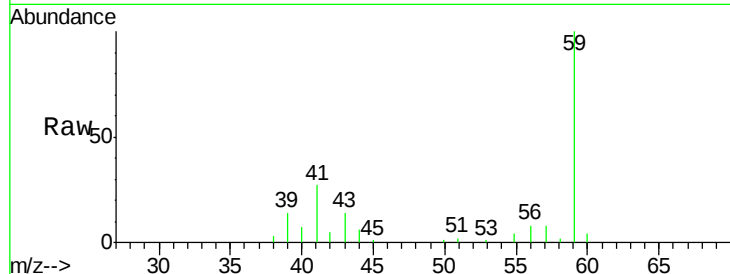
#11
Tert butyl alcohol
Concen: 110.802 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	43848		
57	6.3		8.2	12.4#

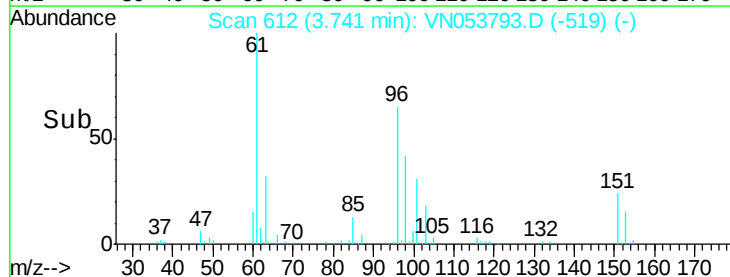
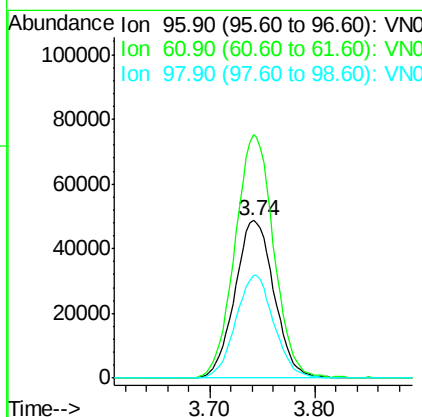
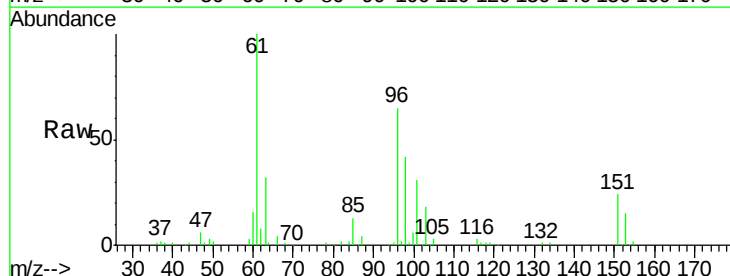
Manual Integrations
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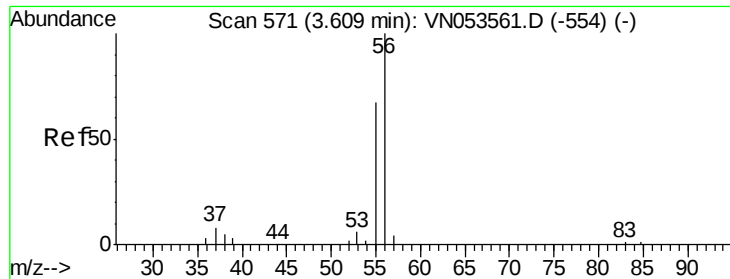
MMDadoda
2/18/2019 9:48:12 AM



#12
1,1-Dichloroethene
Concen: 20.398 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	125901		
61	154.3		122.9	184.3
98	65.0		49.4	74.0





#13

Acrolein

Concen: 94.250 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 56 Resp: 20307

Ion Ratio Lower Upper

56 100

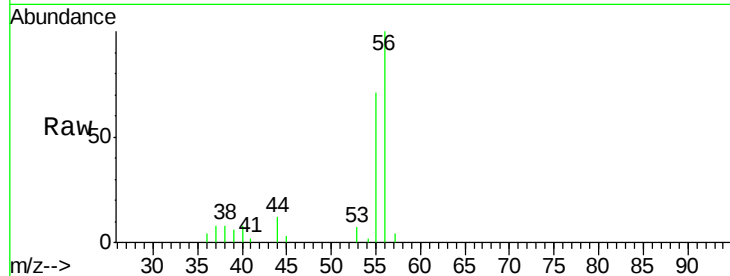
55 70.0 57.4 86.0

Manual Integrations

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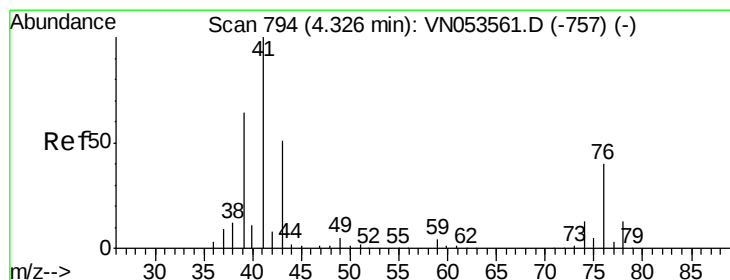
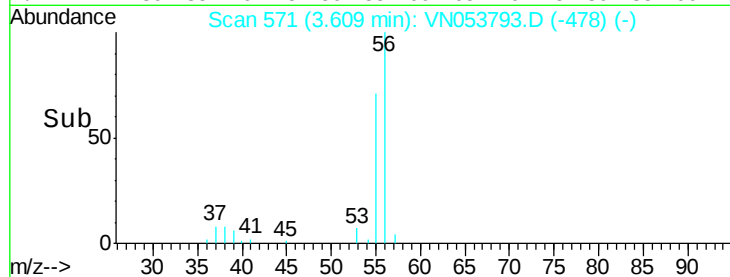
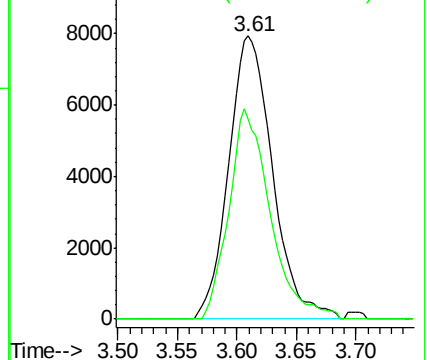
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.179 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

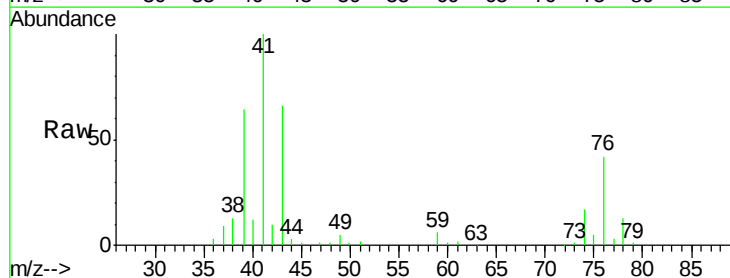
Tgt Ion: 41 Resp: 188481

Ion Ratio Lower Upper

41 100

39 61.8 48.9 73.3

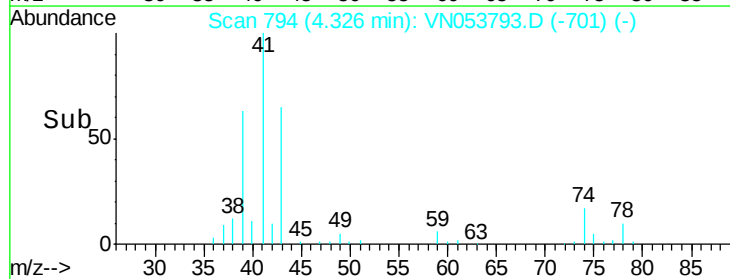
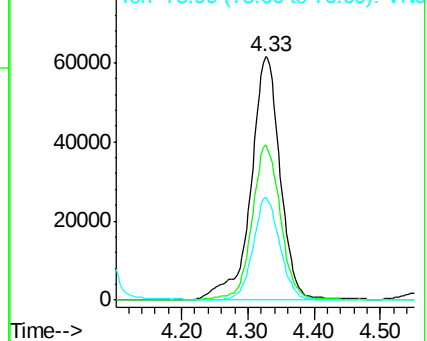
76 38.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 109.075 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

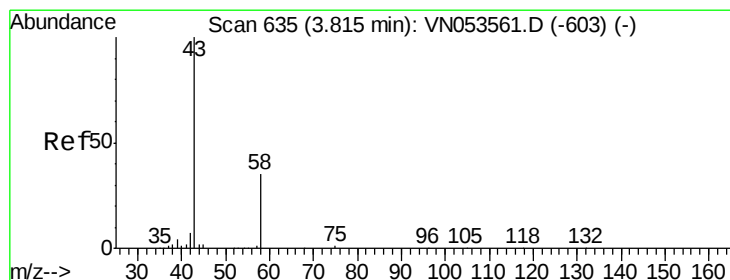
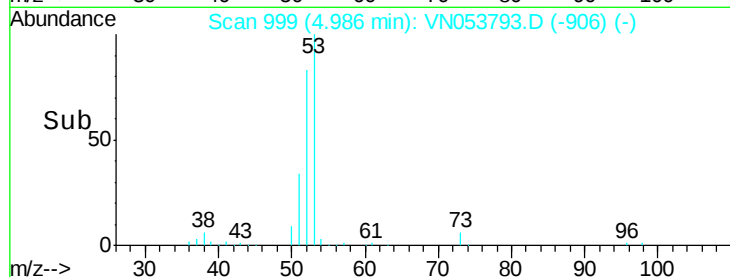
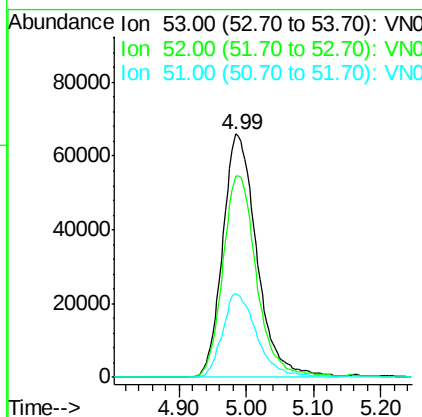
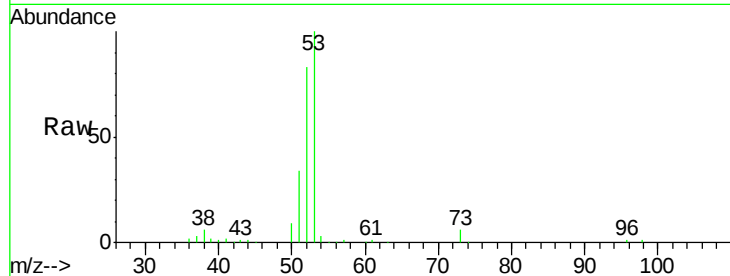
ClientSampleId :

VN0215WBSD01

Tot Ion:	53	Resp:	233023
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.0	99.0
51	34.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 119.694 ug/l

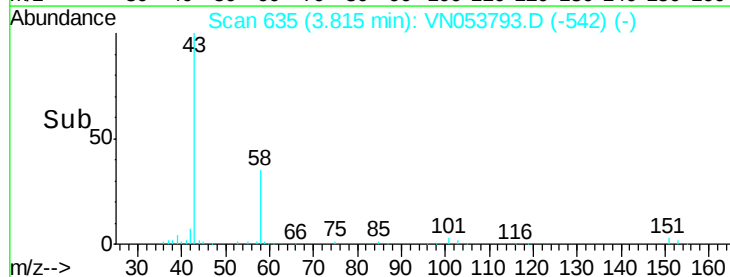
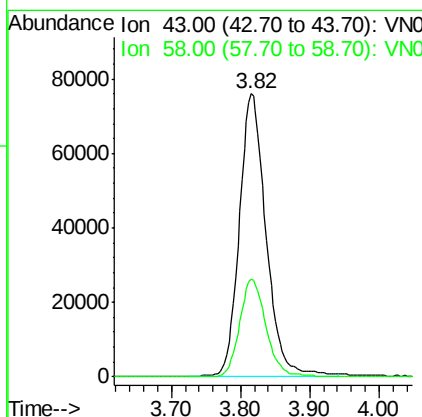
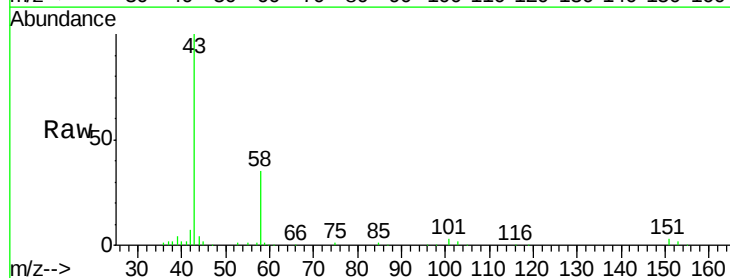
RT: 3.82 min Scan# 635

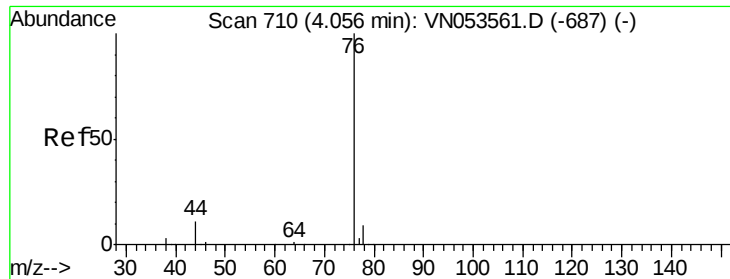
Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	43	Resp:	205292
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.1	40.7





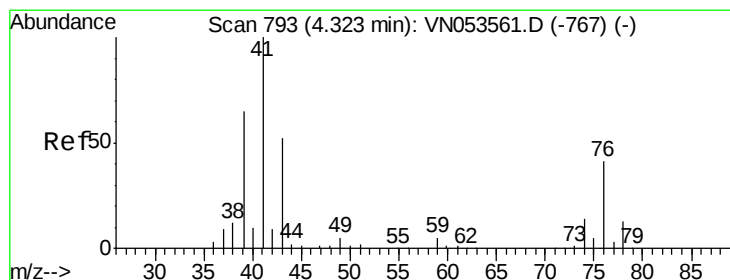
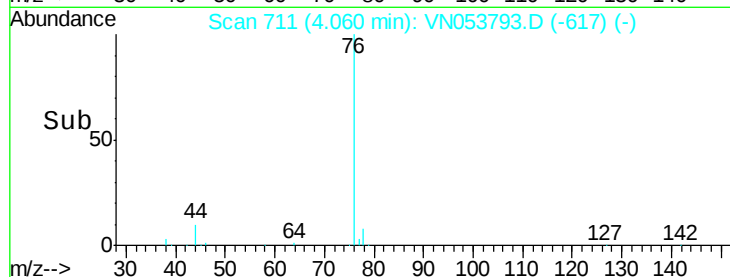
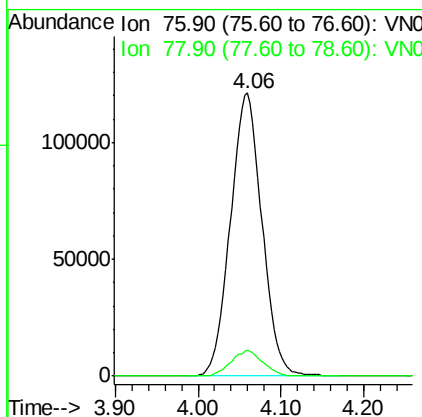
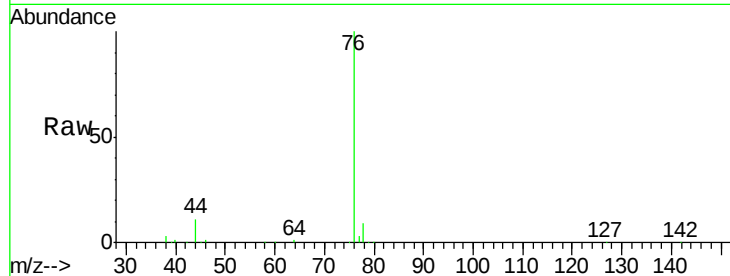
#17
Carbon Disulfide
Concen: 16.691 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

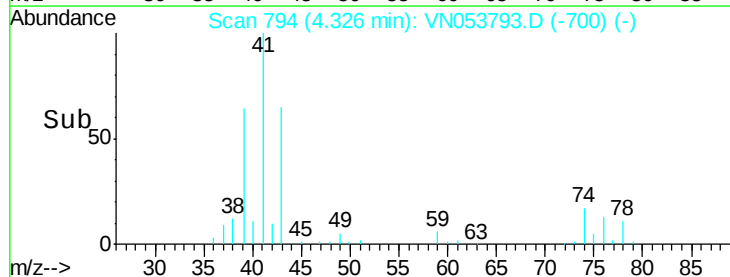
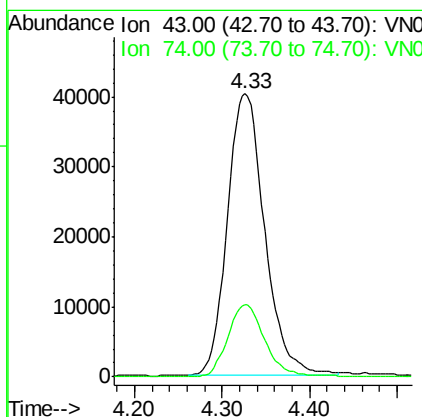
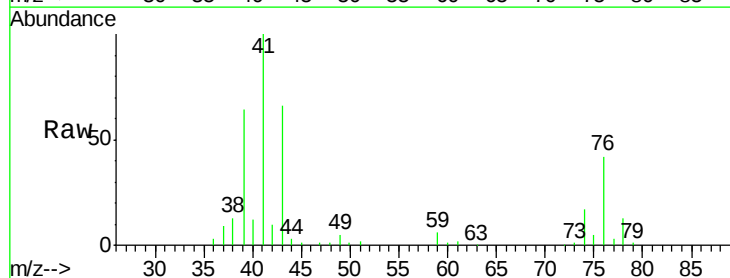
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2/18/2019 9:48:12 AM



#18
Methyl Acetate
Concen: 23.463 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





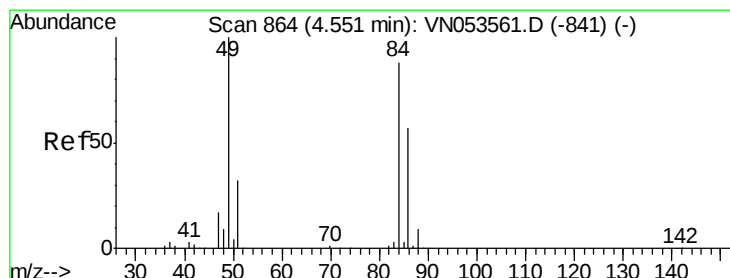
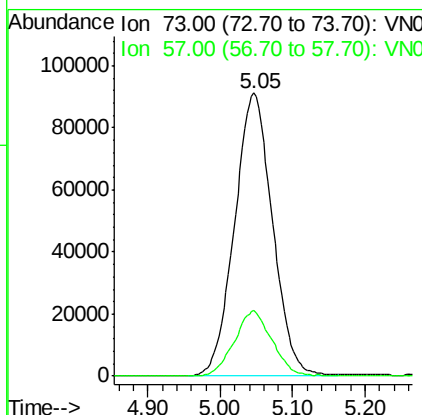
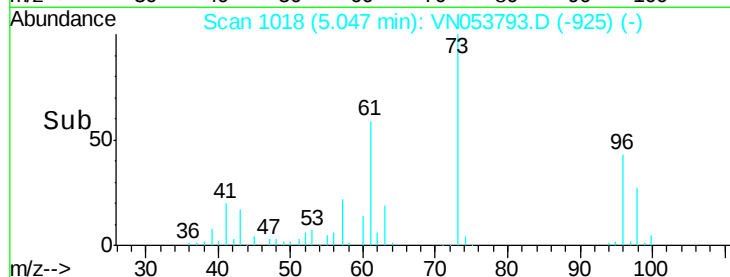
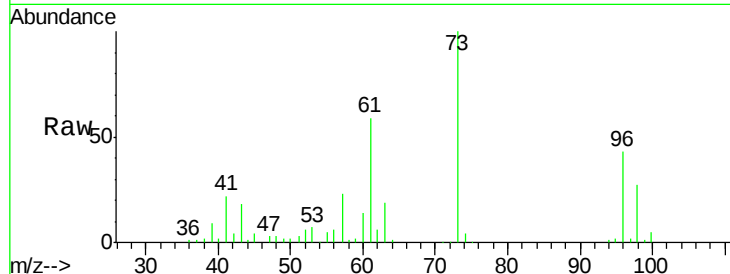
#19
Methvl tert-butvl Ether
Concen: 21.250 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion: 73 Resp: 332503
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

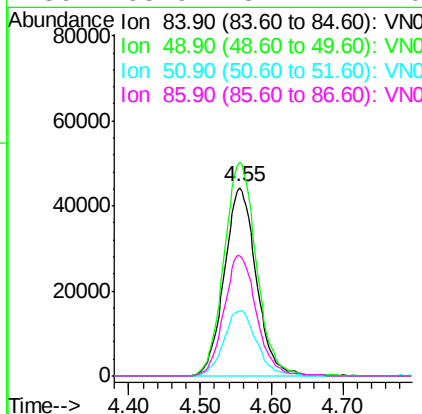
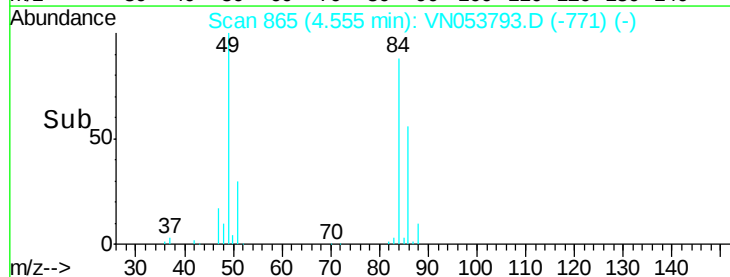
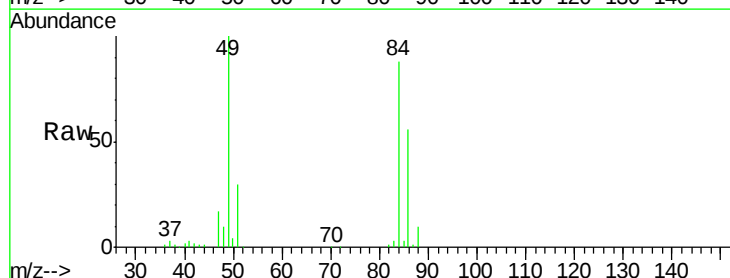
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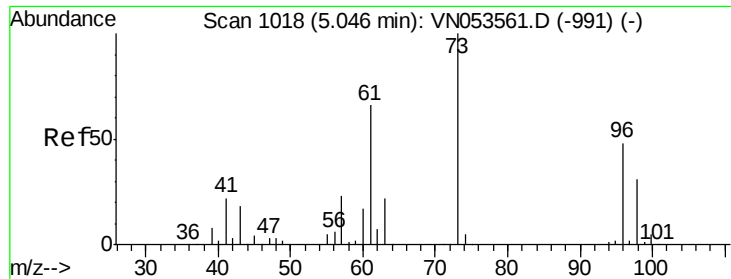
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#20
Methylene Chloride
Concen: 19.217 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion: 84 Resp: 138283
Ion Ratio Lower Upper
84 100
49 113.5 94.3 141.5
51 34.6 29.4 44.2
86 63.9 51.4 77.0





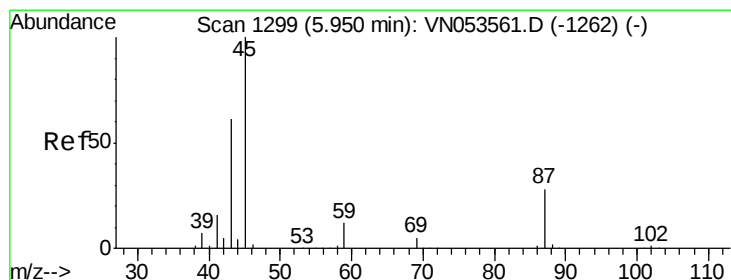
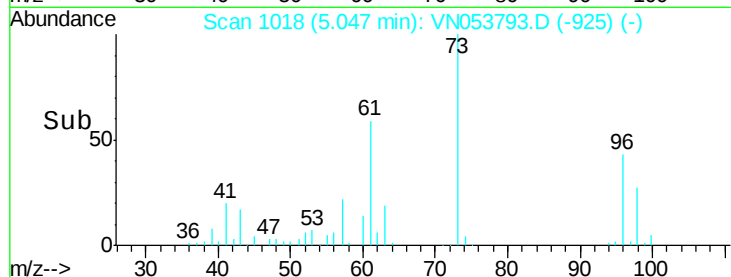
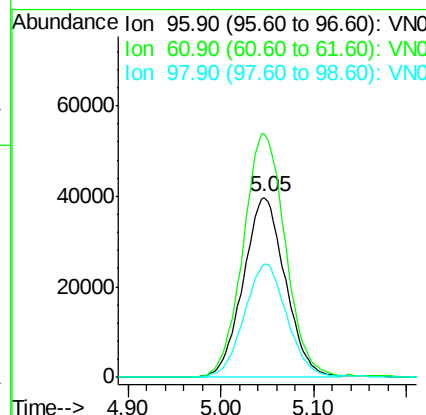
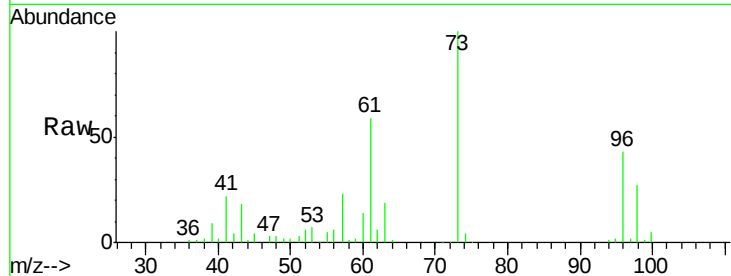
#21
trans-1,2-Dichloroethene
Concen: 18.788 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	110.1	165.1
98	62.7	50.0	75.0

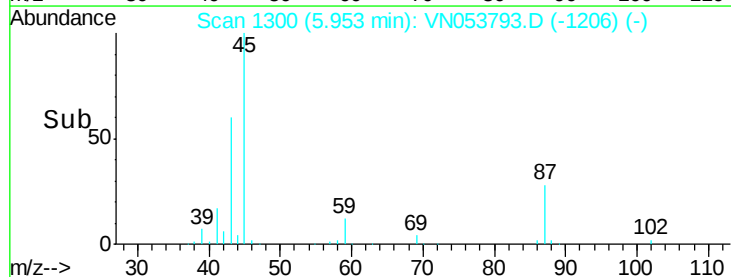
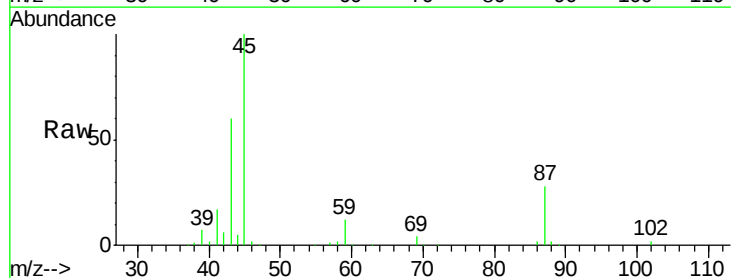
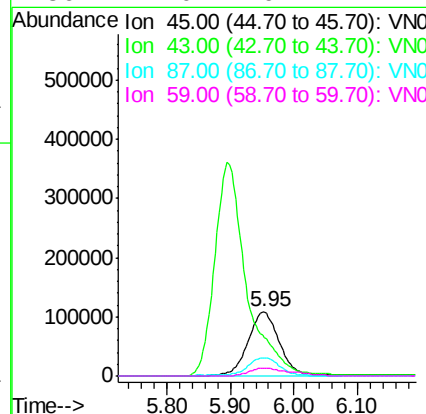
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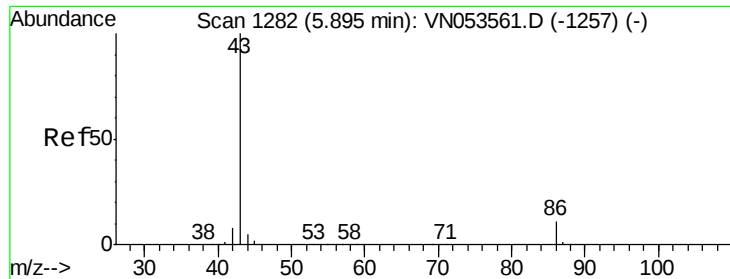
MMDadoda
2/18/2019 9:48:12 AM



#22
Diisopropyl ether
Concen: 20.782 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	44.2	66.4
87	27.6	22.7	34.1
59	12.0	9.4	14.2





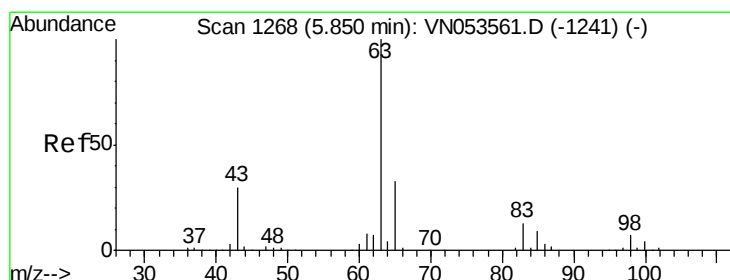
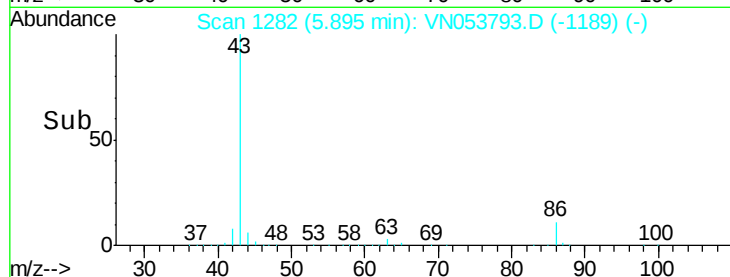
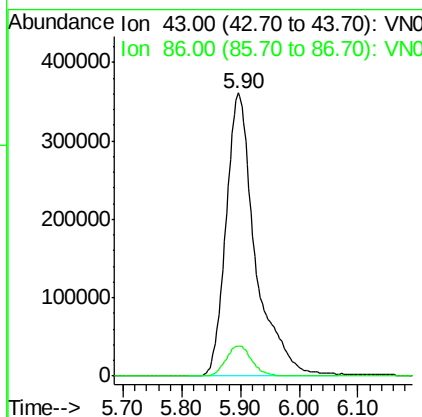
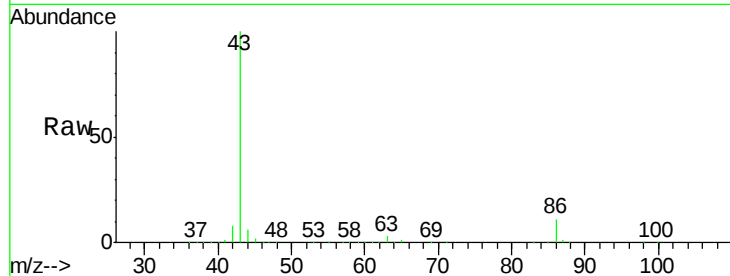
#23
 Vinyl Acetate
 Concen: 99.695 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion: 43 Resp: 1255880
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

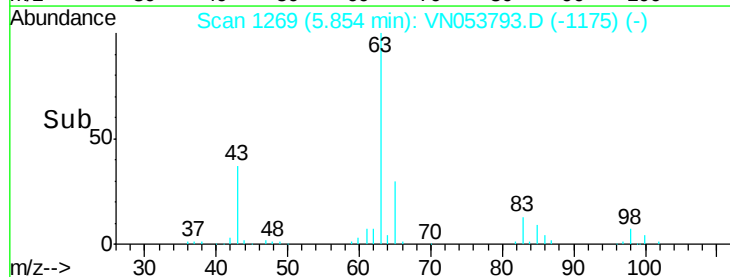
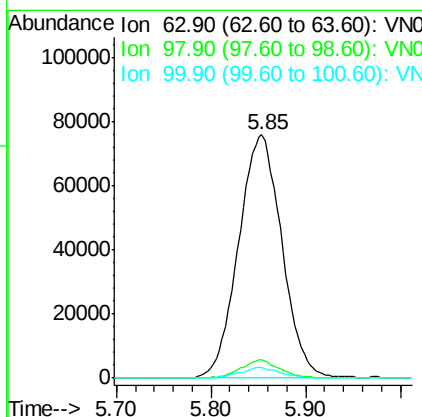
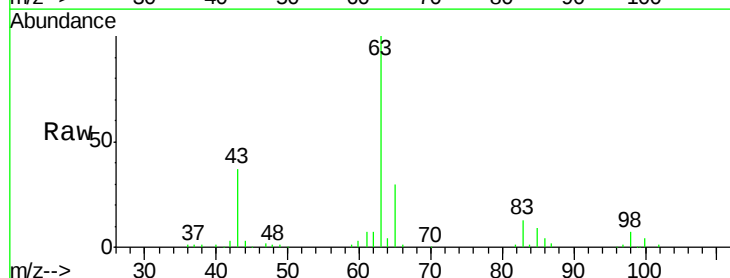
Manual Integrations
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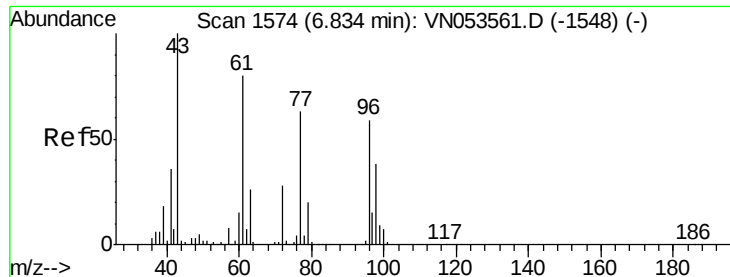
MMDadoda
 2/18/2019 9:48:12 AM



#24
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion: 63 Resp: 241579
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 106.488 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0215WBSD01

Tot Ion: 43 Resp: 260487

Ion Ratio Lower Upper

43 100

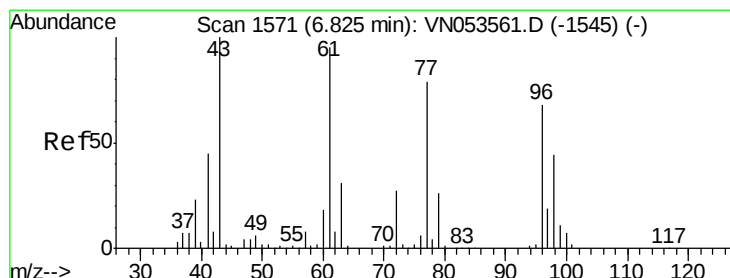
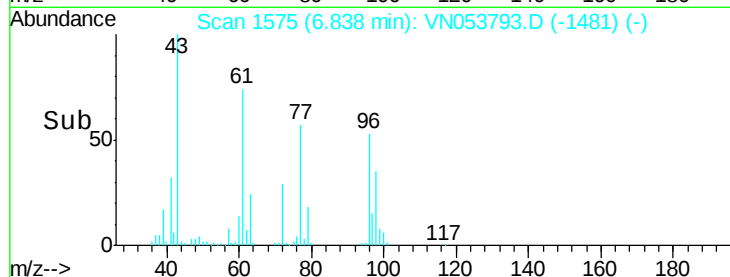
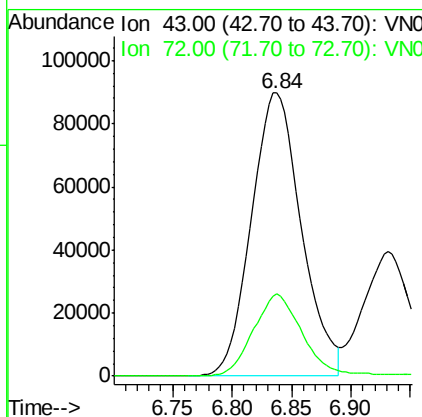
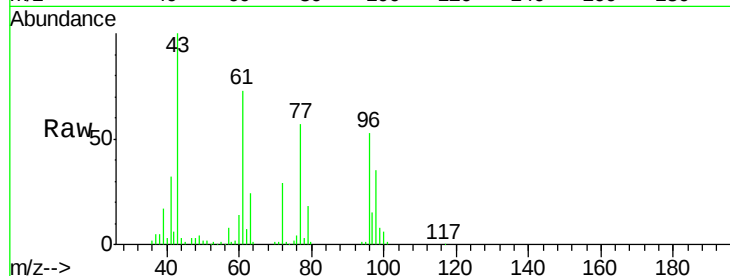
72 29.0 22.0 33.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.934 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053793.D

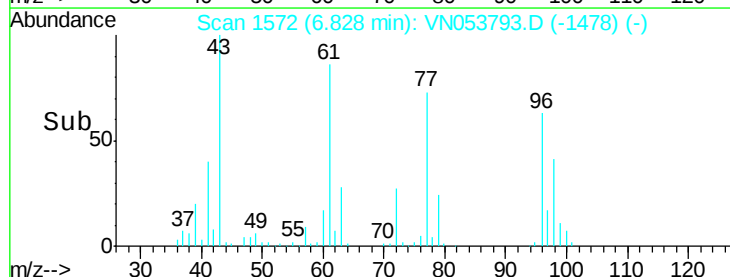
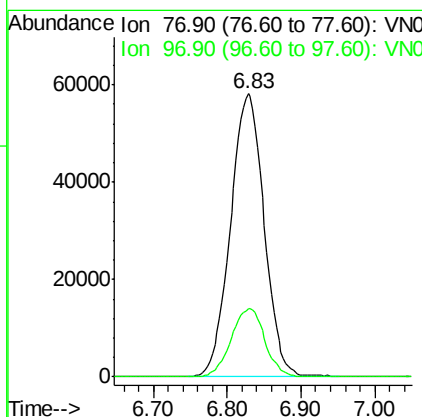
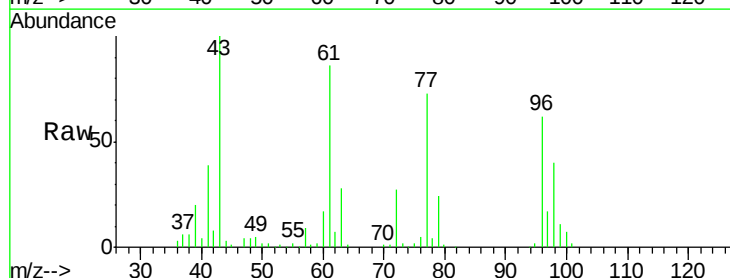
Acq: 15 Feb 2019 12:10

Tgt Ion: 77 Resp: 184817

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.872 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

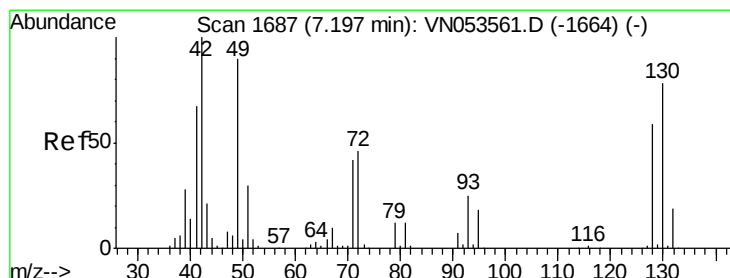
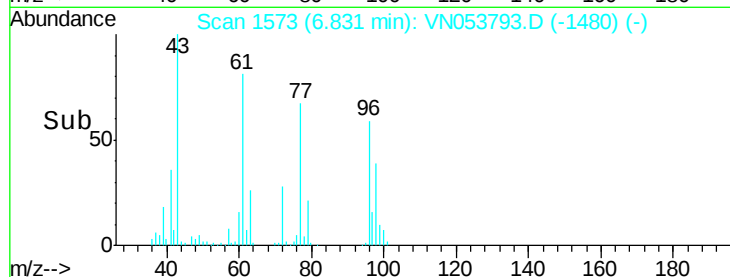
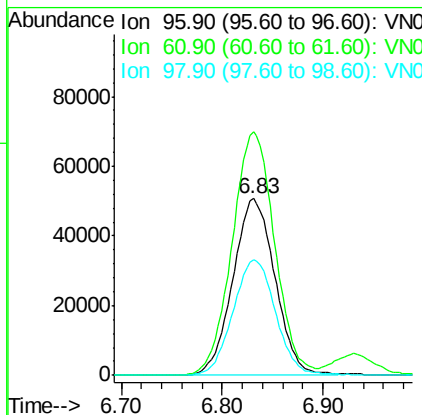
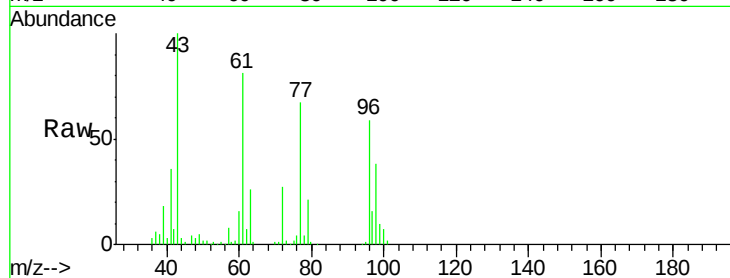
ClientSampleId :

VN0215WBSD01

Tot Ion:	96	Resp:	147145
Ion Ratio	Lower	Upper	
96	100		
61	139.0	0.0	283.8
98	66.0	0.0	129.2

Manual Integrations
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MMDadoda
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#28

Bromochloromethane

Concen: 20.361 ug/l

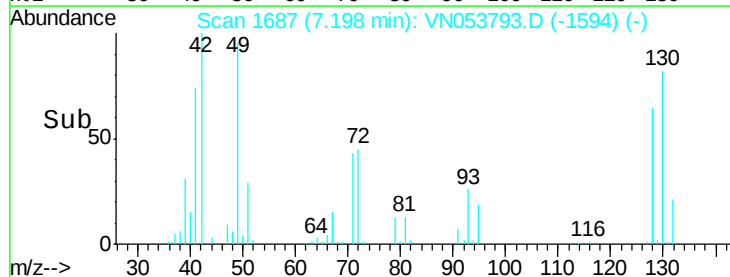
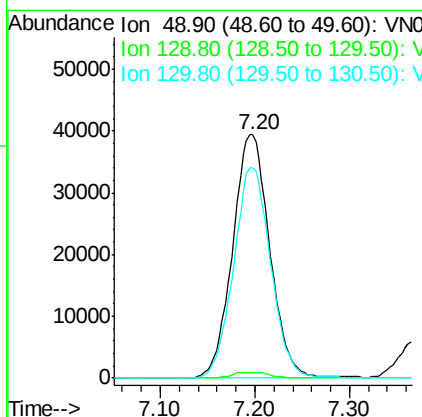
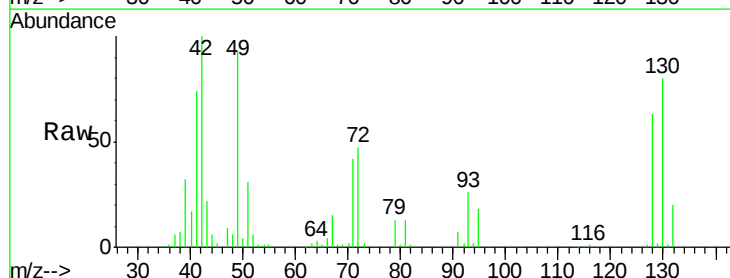
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	49	Resp:	107319
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	4.0
130	86.4	66.3	99.5





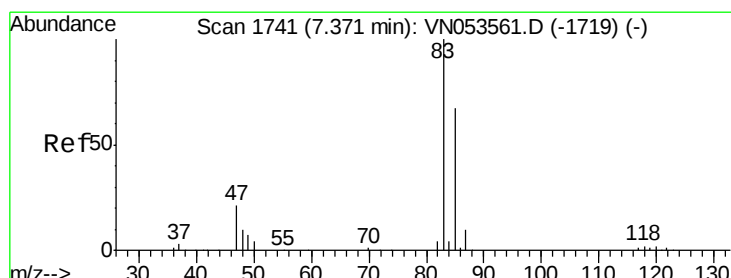
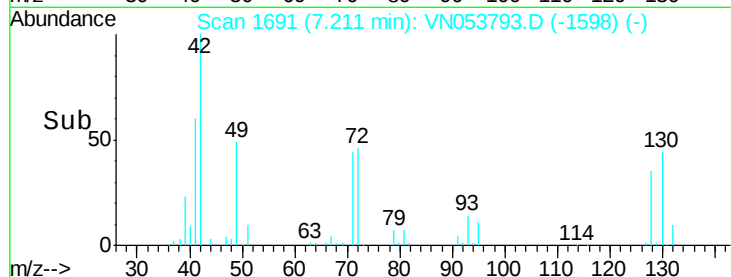
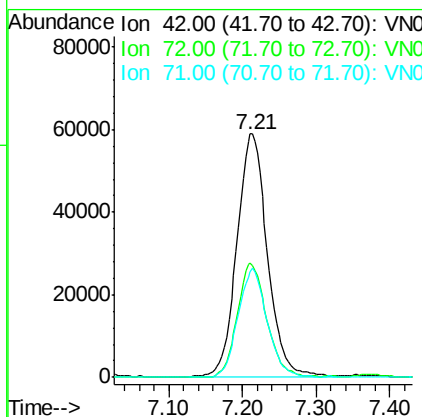
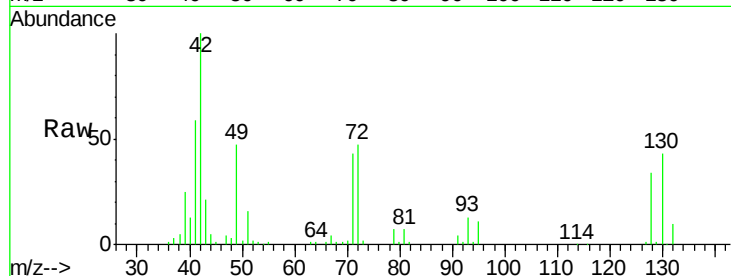
#29
Tetrahydrofuran
Concen: 107.508 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.2	52.8
71	42.7	33.0	49.4

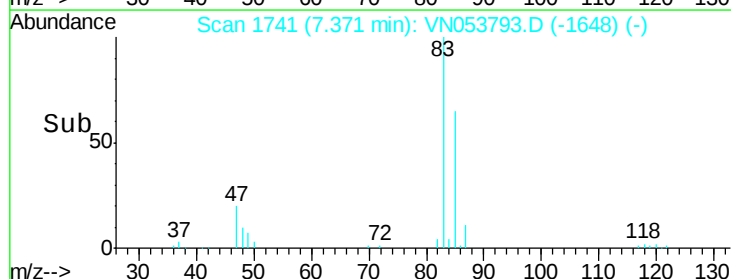
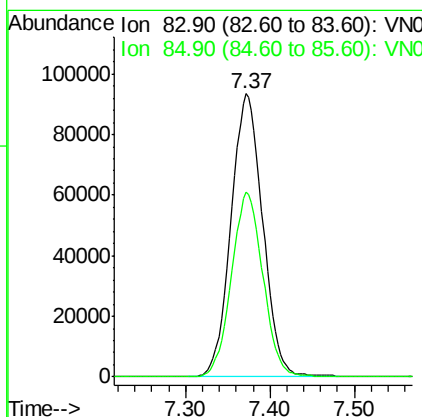
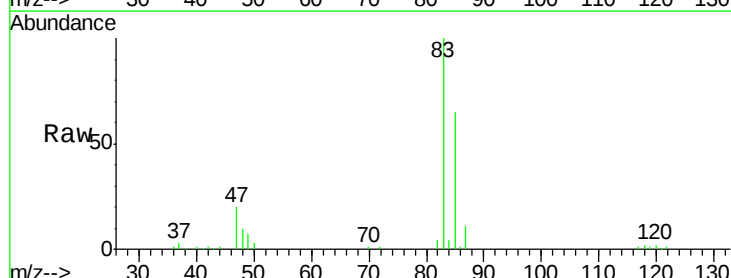
Manual Integrations
APPROVED

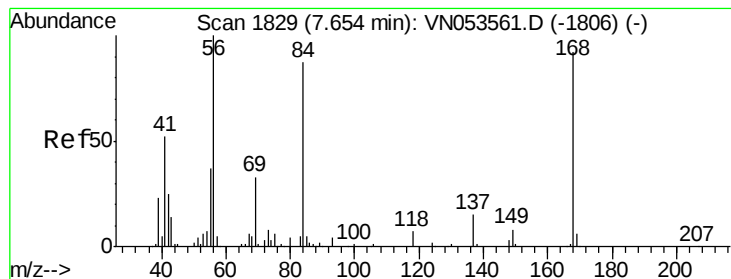
MMDadoda
2/18/2019 9:48:12 AM



#30
Chloroform
Concen: 20.309 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





#31

Cyclohexane

Concen: 18.276 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

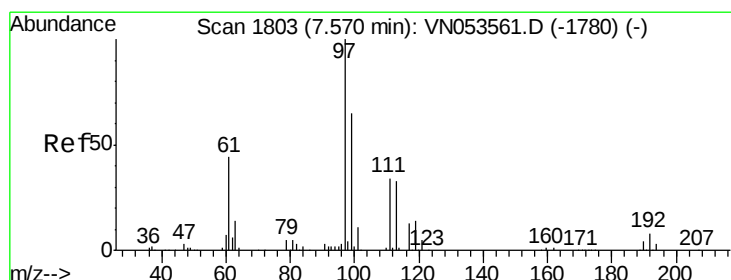
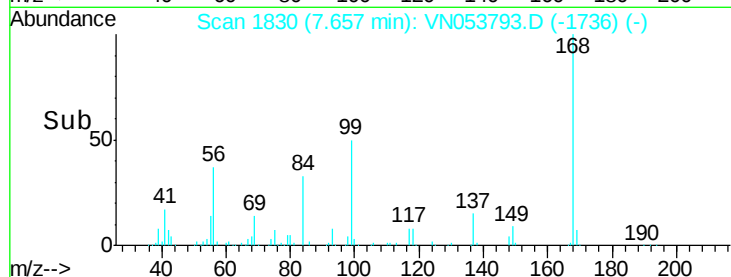
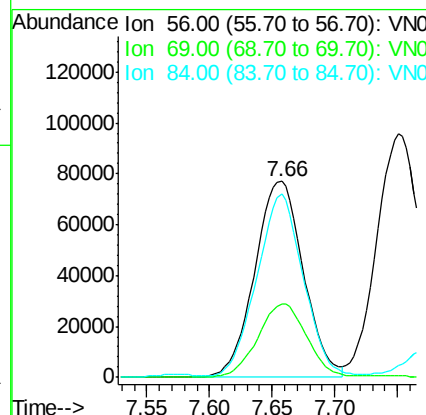
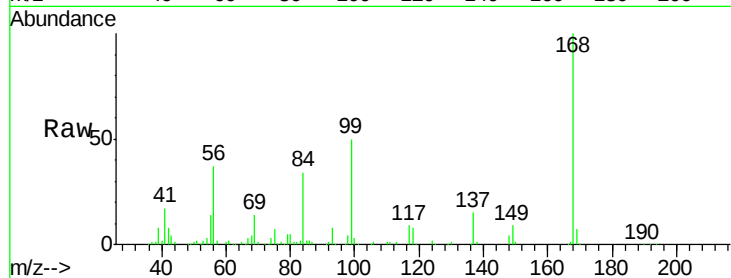
ClientSampleId :

VN0215WBSD01

Tot Ion:	56	Resp:	207887
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.4	39.6
84	92.2	67.9	101.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.992 ug/l

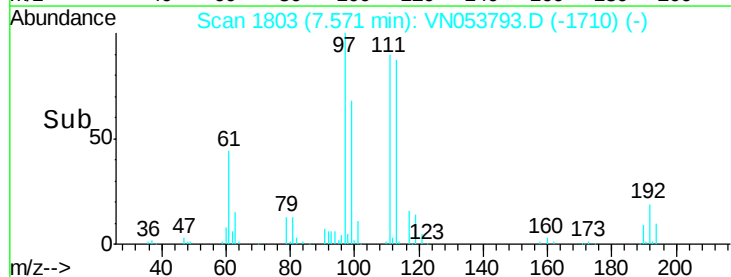
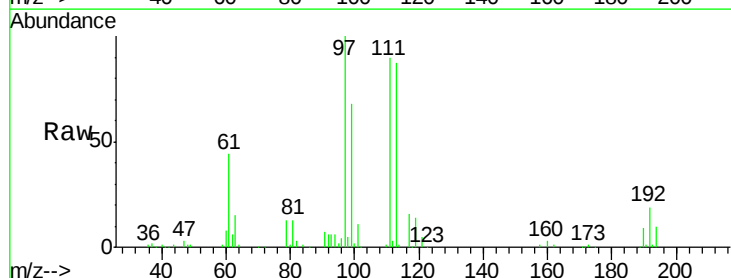
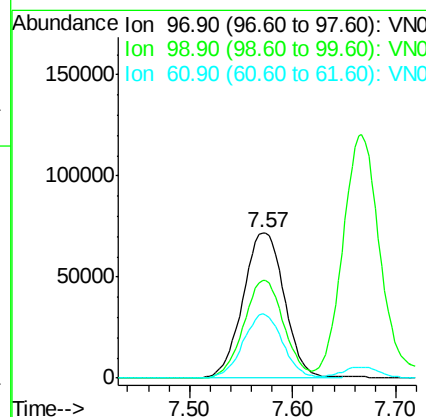
RT: 7.57 min Scan# 1803

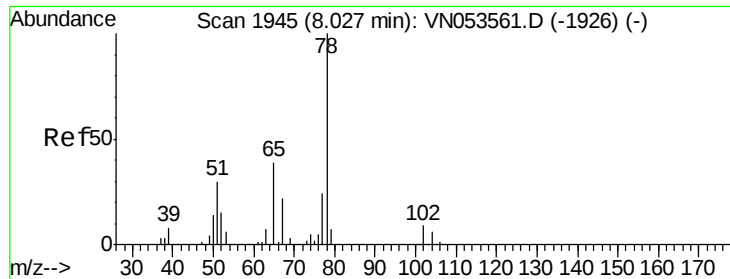
Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	97	Resp:	200315
Ion Ratio	Lower	Upper	
97	100		
99	65.3	52.0	78.0
61	42.3	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 53.087 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 65 Resp: 354971

Ion Ratio Lower Upper

65 100

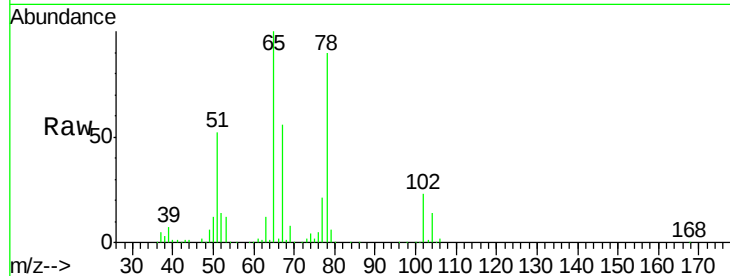
67 55.2 0.0 111.2

Manual Integrations

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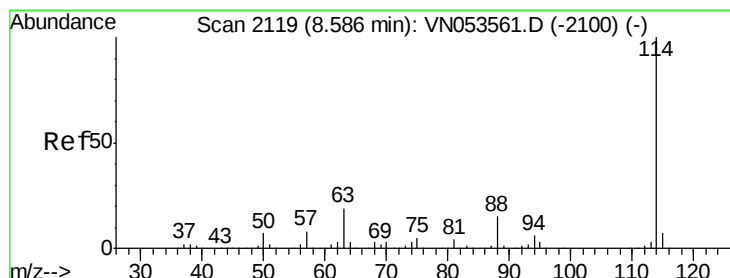
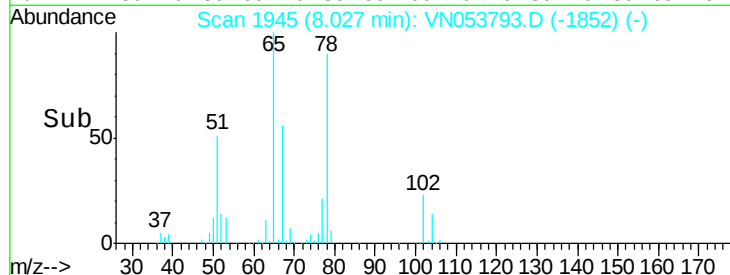
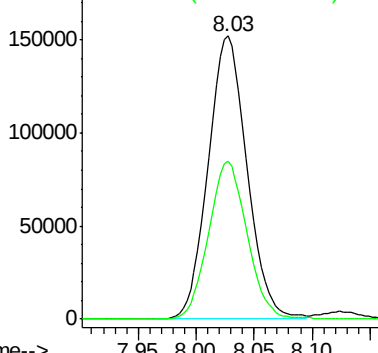
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

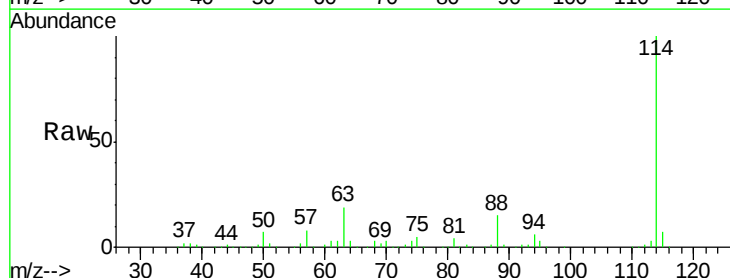
Tgt Ion: 114 Resp: 1010600

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

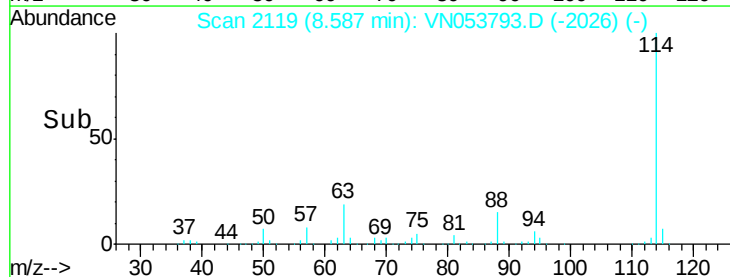
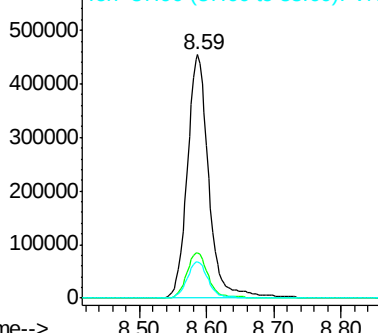
88 14.9 0.0 30.4

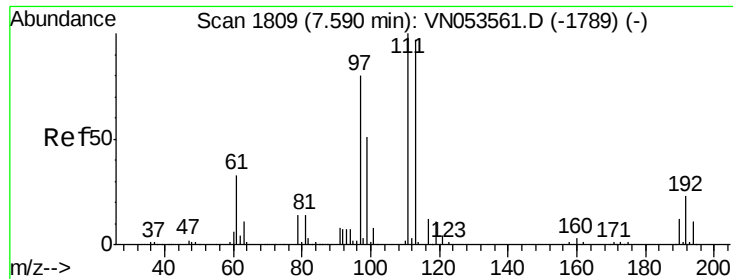


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





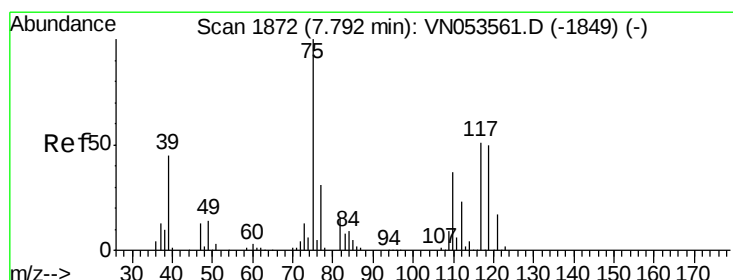
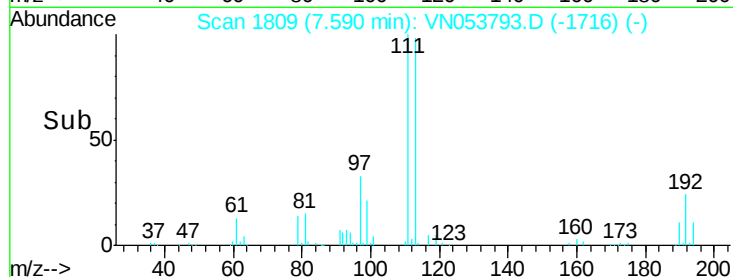
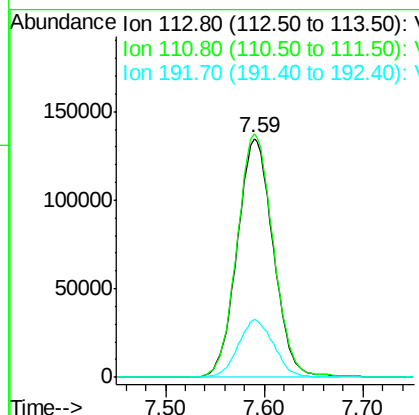
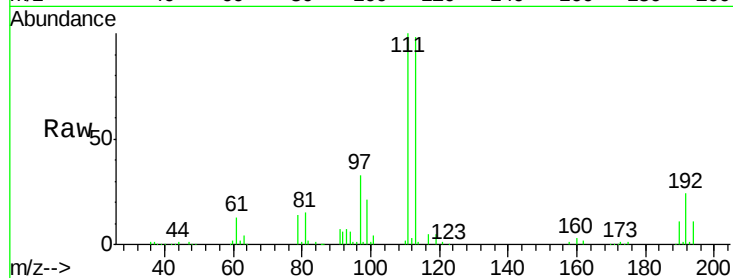
#35
 Dibromofluoromethane
 Concen: 53.368 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	340794		
111	102.8	81.1	121.7	
192	23.7	18.2	27.2	

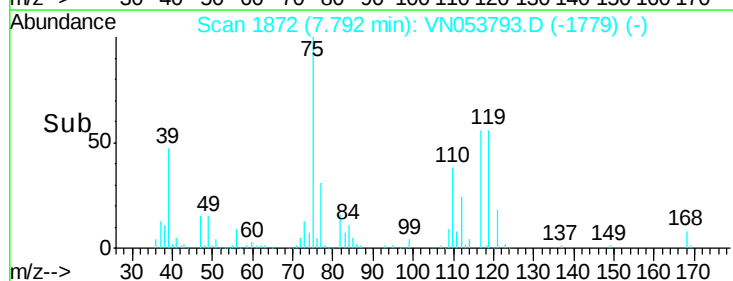
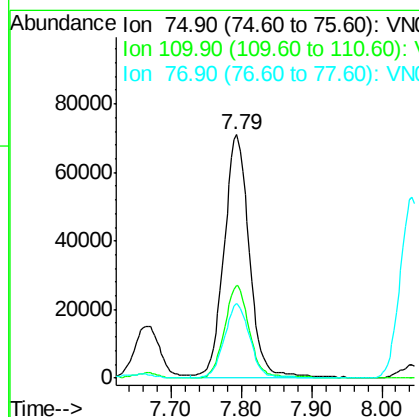
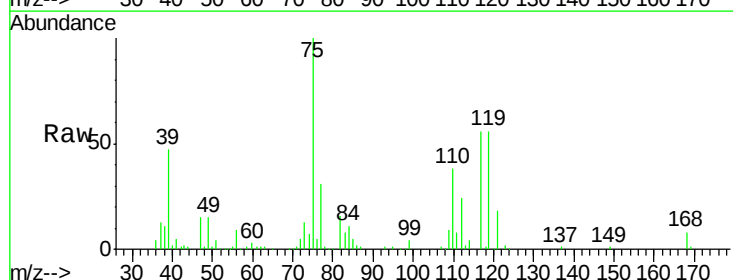
Manual Integrations
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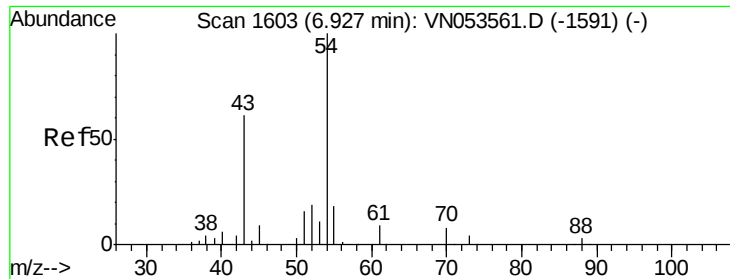
MMDadoda
 2/18/2019 9:48:12 AM



#36
 1,1-Dichloropropene
 Concen: 19.448 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177171		
110	37.2	18.1	54.3	
77	30.7	25.1	37.7	





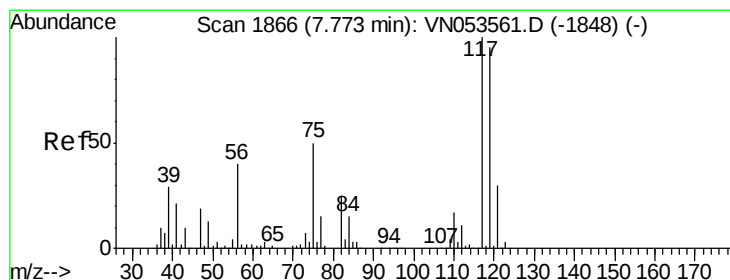
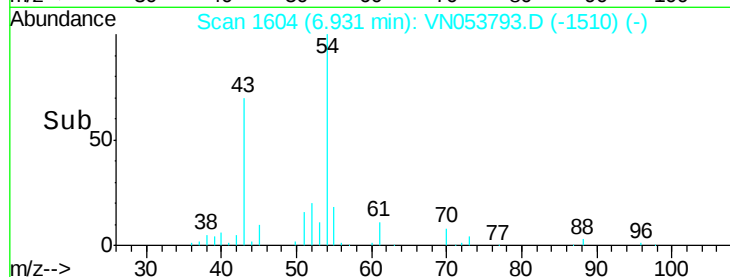
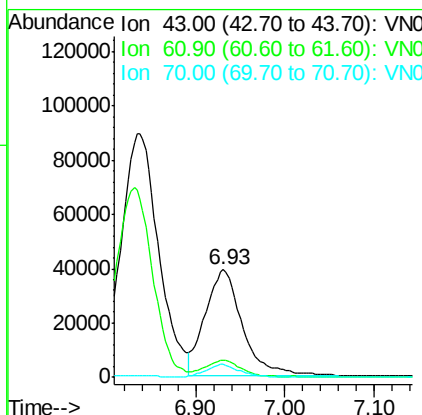
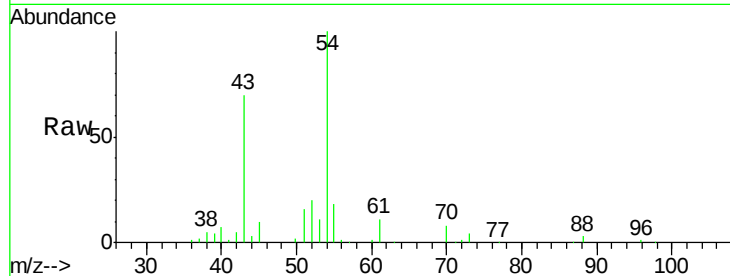
#37
Ethyl Acetate
Concen: 22.399 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.8	8.6	12.8

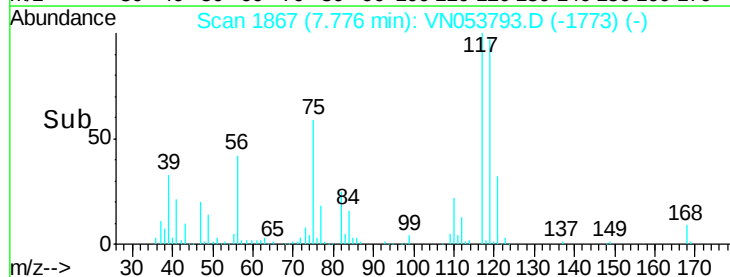
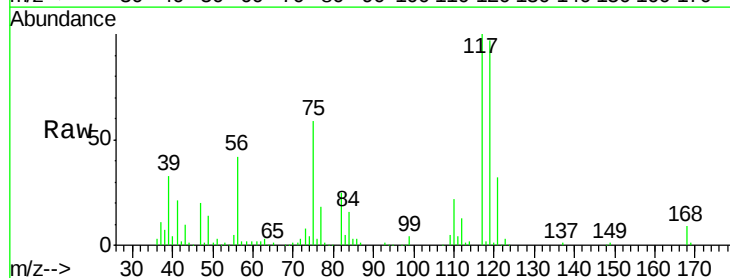
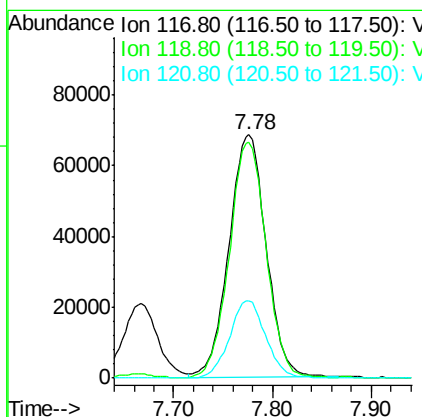
Manual Integrations
APPROVED

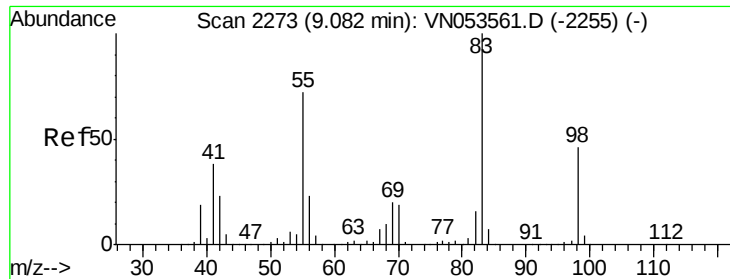
MMDadoda
2/18/2019 9:48:12 AM



#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	31.8	24.6	37.0





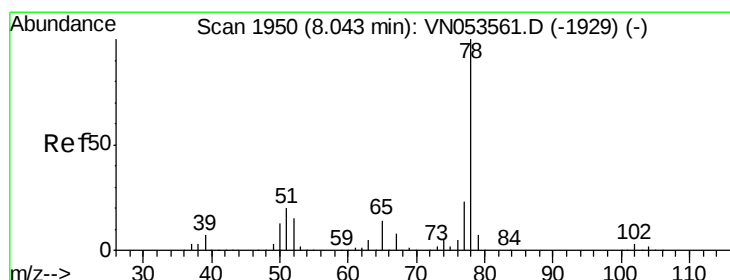
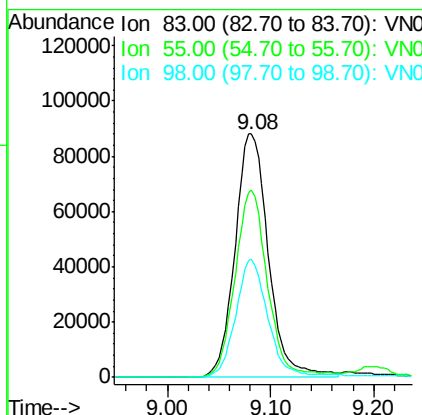
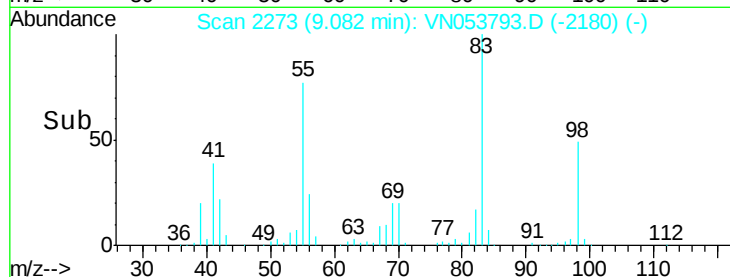
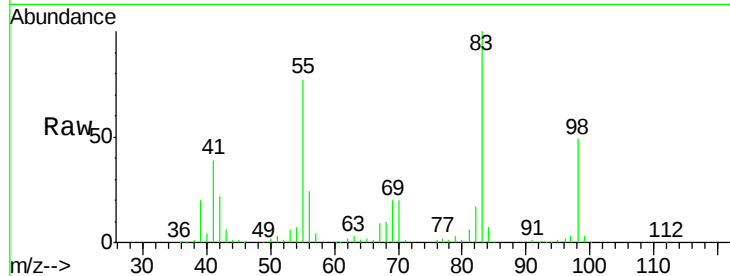
#39
Methvlcvclohexane
Concen: 18.440 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199297		
55	77.2	60.1	90.1	
98	48.5	36.6	55.0	

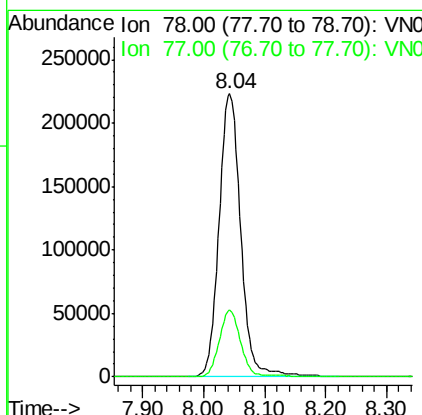
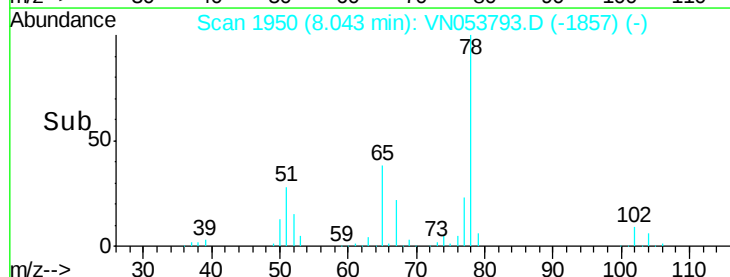
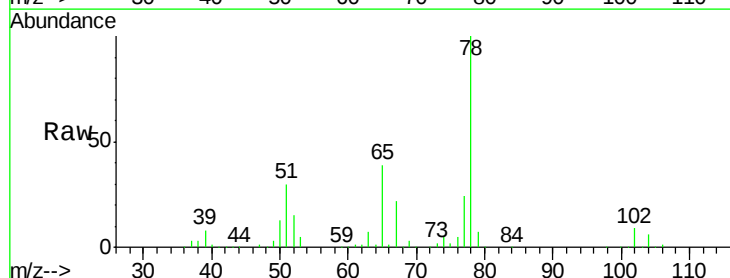
Manual Integrations
APPROVED

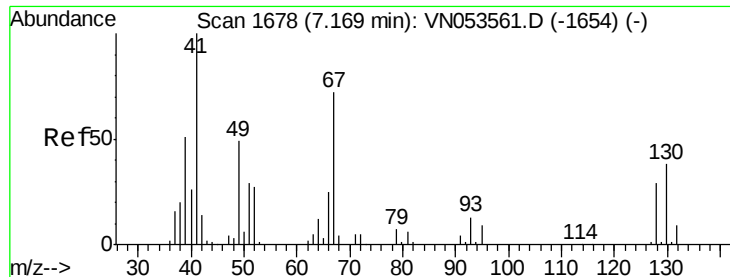
MMDadoda
2/18/2019 9:48:12 AM



#40
Benzene
Concen: 19.584 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	550175		
77	23.6	18.8	28.2	





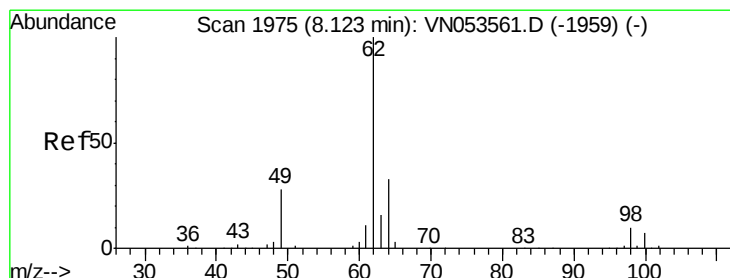
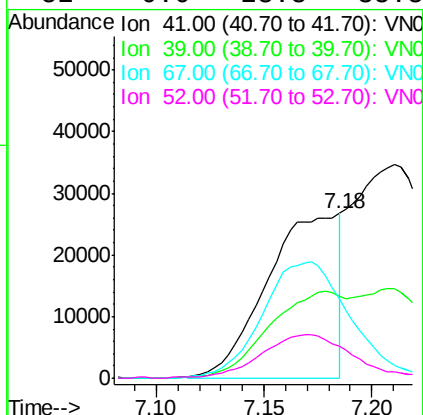
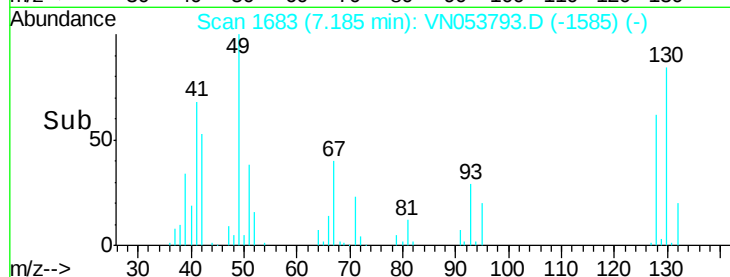
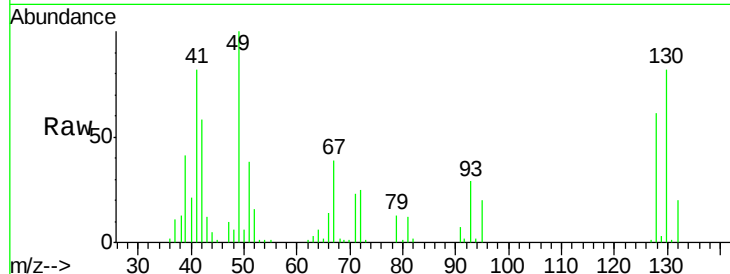
#41
Methacrylonitrile
Concen: 21.712 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#

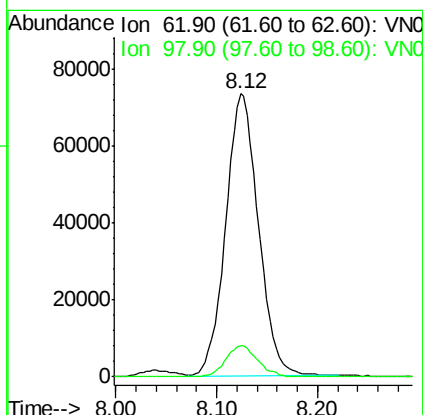
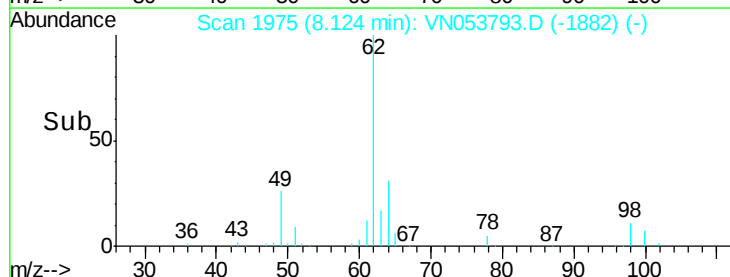
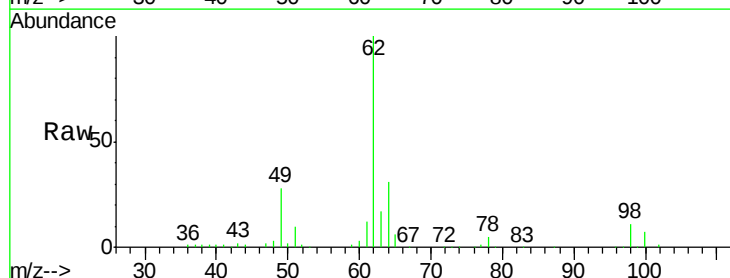
Manual Integrations
APPROVED

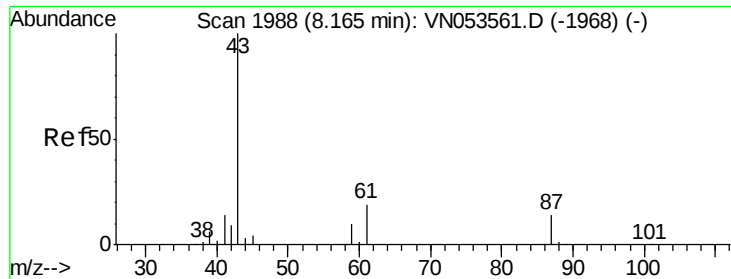
MMDadoda
2/18/2019 9:48:12 AM



#42
1,2-Dichloroethane
Concen: 19.949 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 19.581 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

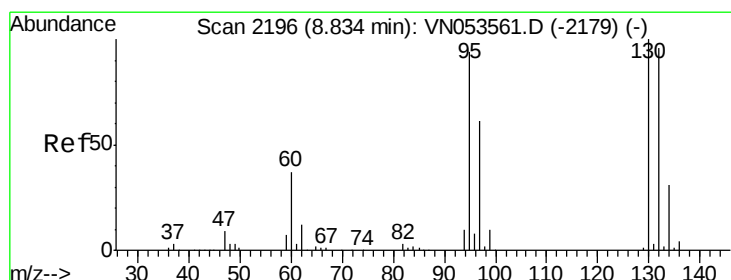
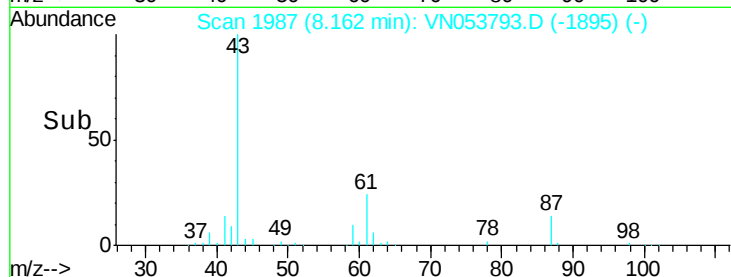
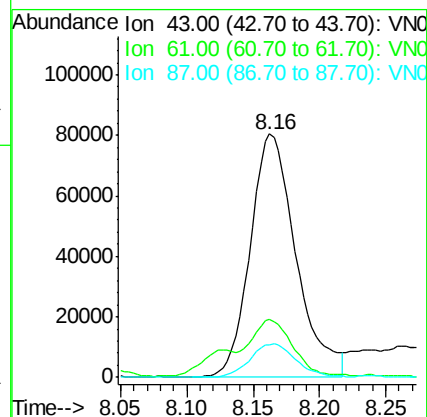
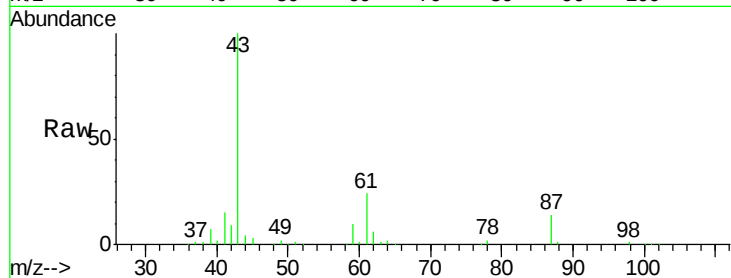
ClientSampleId :

VN0215WBSD01

Tot Ion:	43	Resp:	192402
Ion Ratio	Lower	Upper	
43	100		
61	21.5	23.9	35.9#
87	13.8	11.0	16.6

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#44

Trichloroethene

Concen: 19.382 ug/l

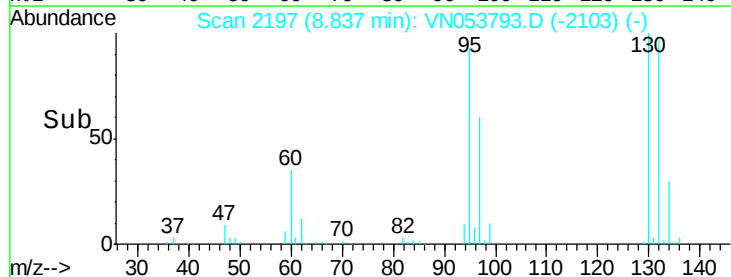
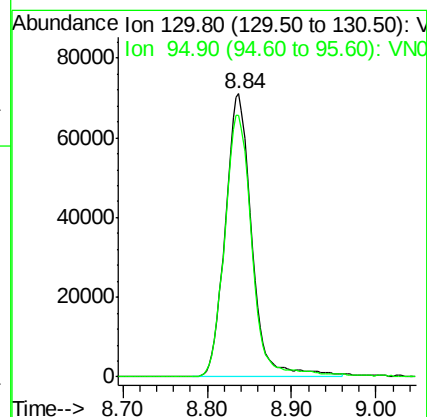
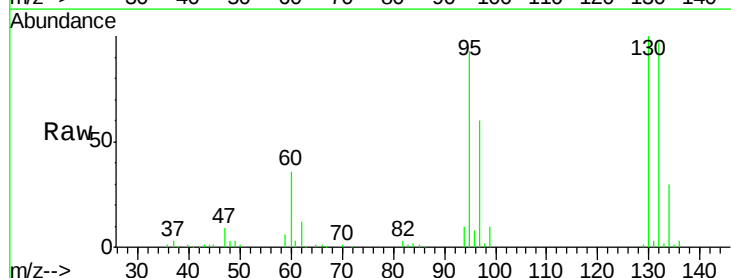
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	130	Resp:	155011
Ion Ratio	Lower	Upper	
130	100		
95	92.5	0.0	191.4





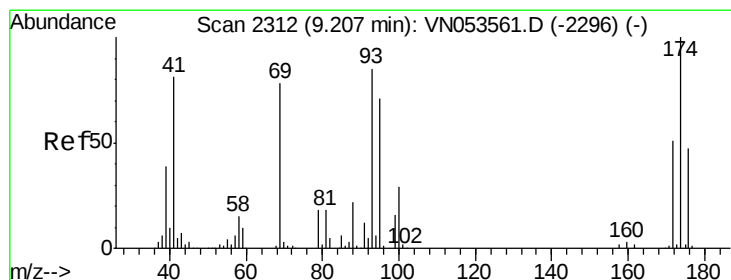
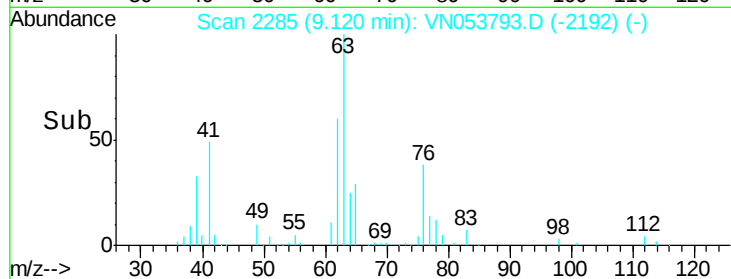
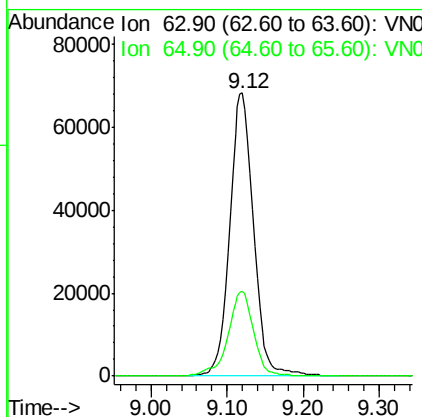
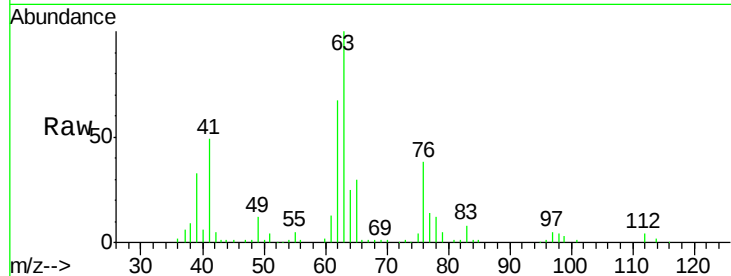
#45
 1,2-Dichloropropane
 Concen: 20.719 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion: 63 Resp: 148873
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

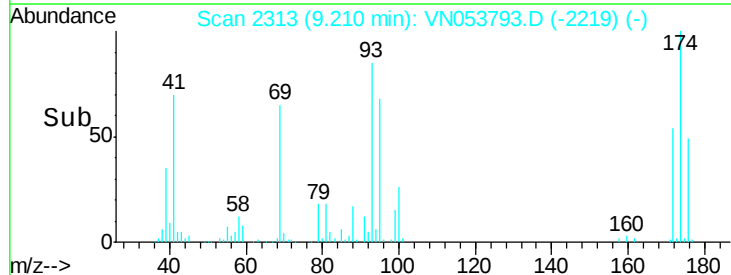
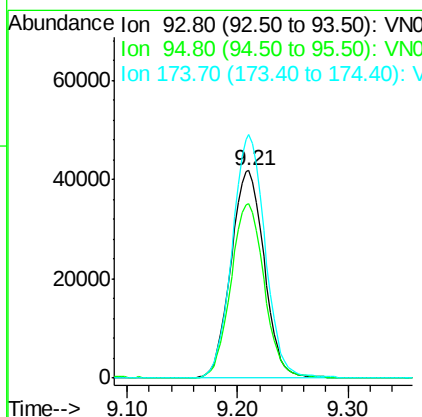
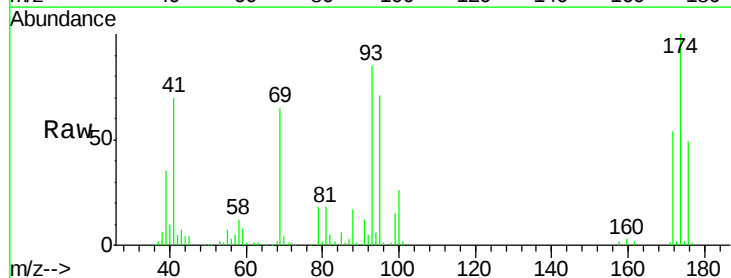
Manual Integrations
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 2/18/2019 9:48:12 AM



#46
 Dibromomethane
 Concen: 20.296 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion: 93 Resp: 87911
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 115.4 91.0 136.4





#47

Bromodichloromethane

Concen: 20.904 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 83 Resp: 188259

Ion Ratio Lower Upper

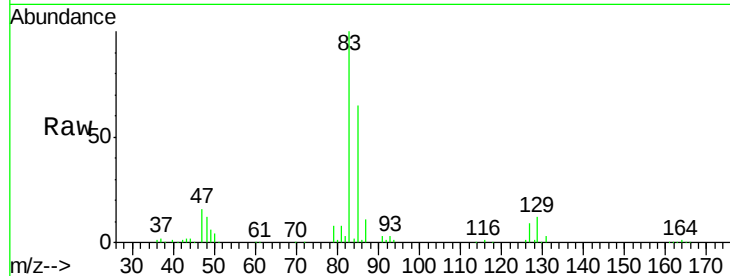
83 100

85 64.7 51.0 76.6

127 9.1 7.0 10.6

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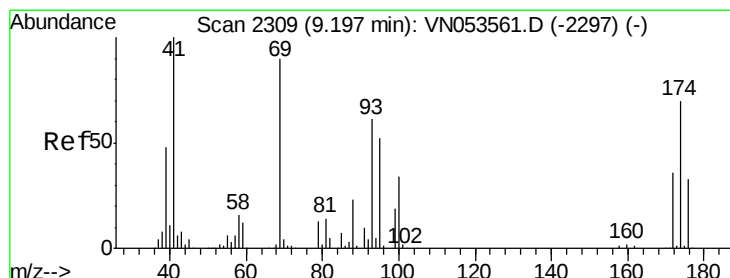
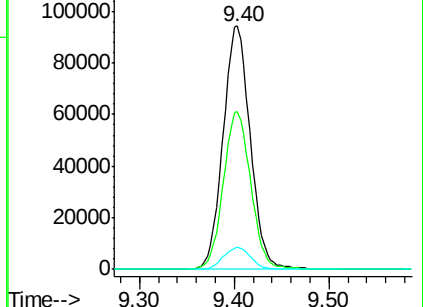
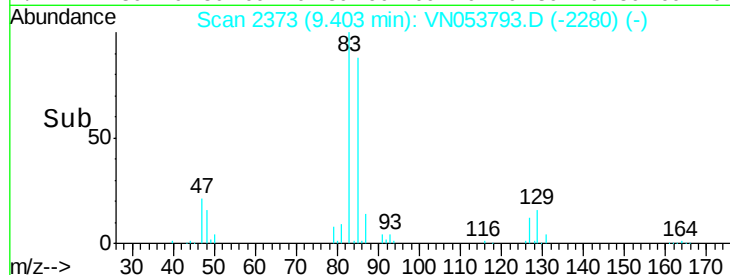
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN053793.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053793.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053793.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.678 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

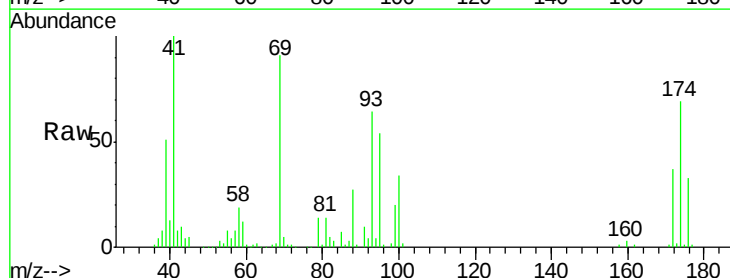
Tgt Ion: 41 Resp: 96985

Ion Ratio Lower Upper

41 100

69 94.4 73.8 110.6

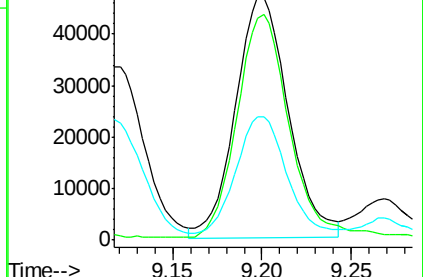
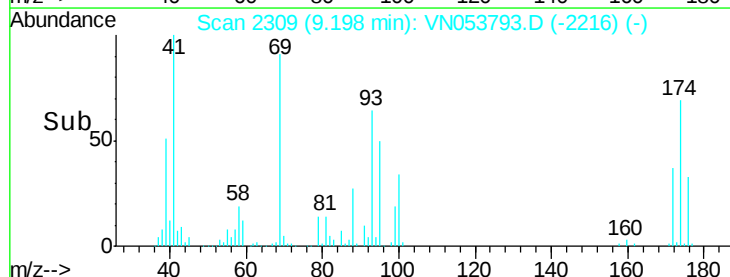
39 50.8 40.0 60.0

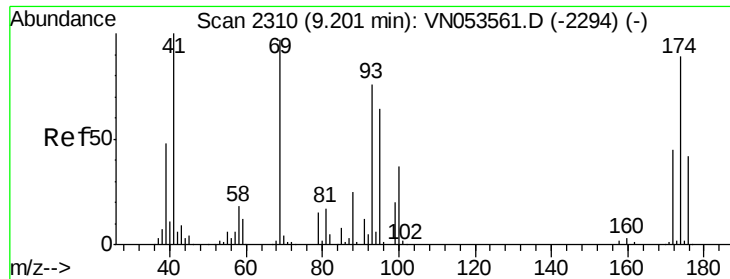


Abundance Ion 41.00 (40.70 to 41.70): VN053793.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053793.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053793.D (-2216) (-)





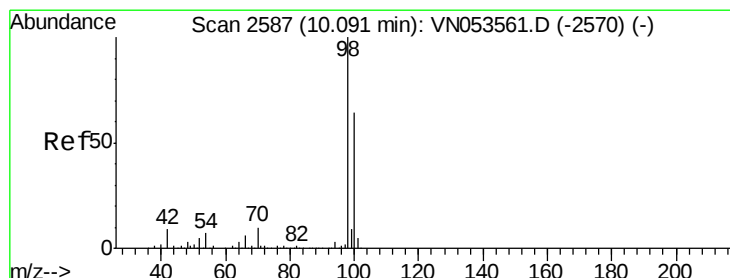
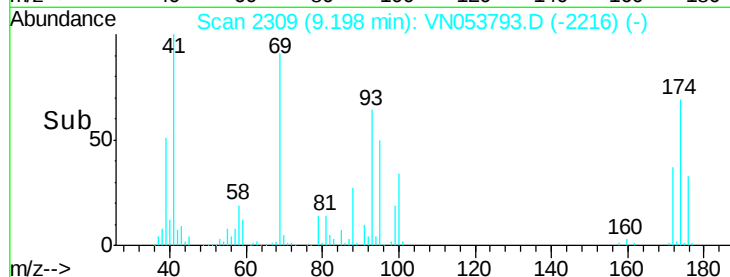
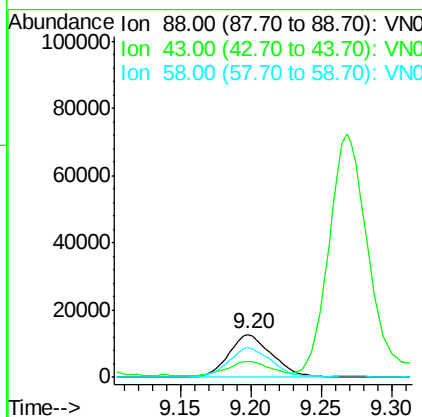
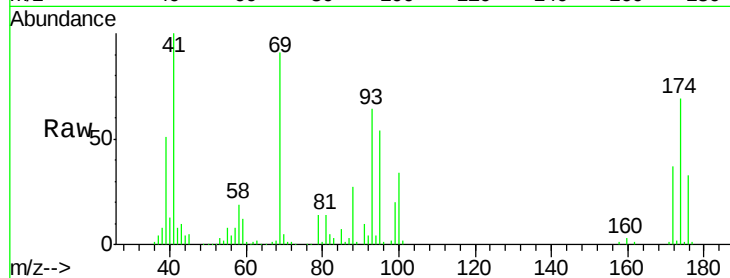
#49
 1,4-Dioxane
 Concen: 426.753 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	88	Resp	27418
Ion	Ratio	Lower	Upper
88	100		
43	30.3	27.8	41.6
58	68.7	56.5	84.7

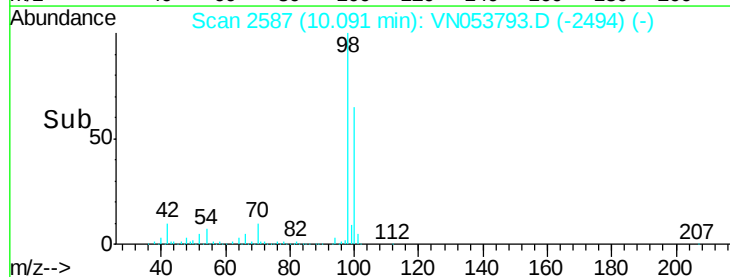
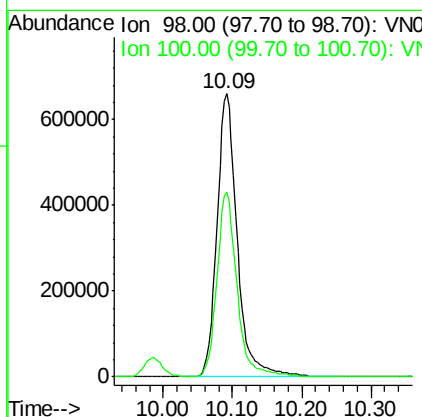
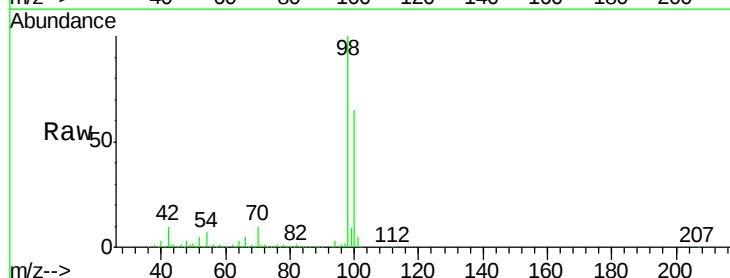
Manual Integrations
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#50
 Toluene-d8
 Concen: 55.727 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	98	Resp	1336169
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 119.613 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 43 Resp: 577548

Ion Ratio Lower Upper

43 100

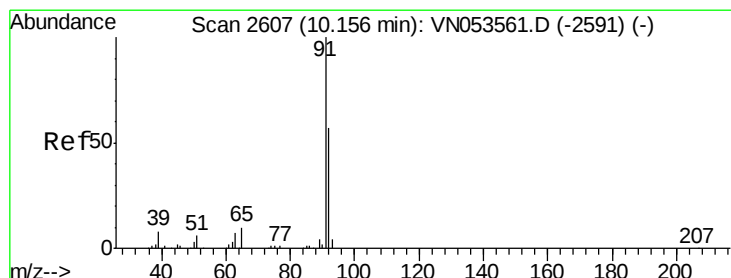
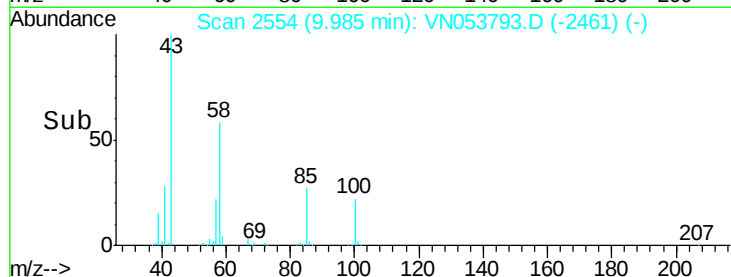
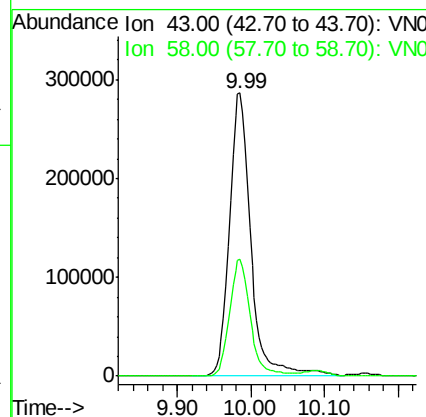
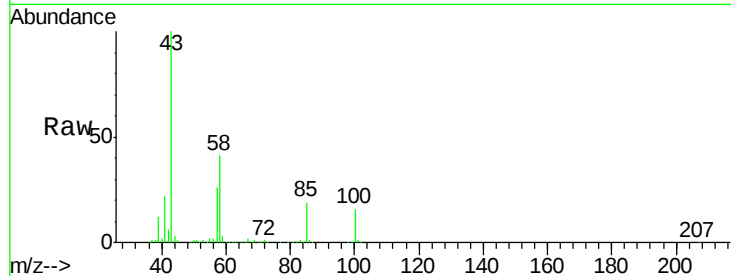
58 40.0 32.8 49.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 21.710 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053793.D

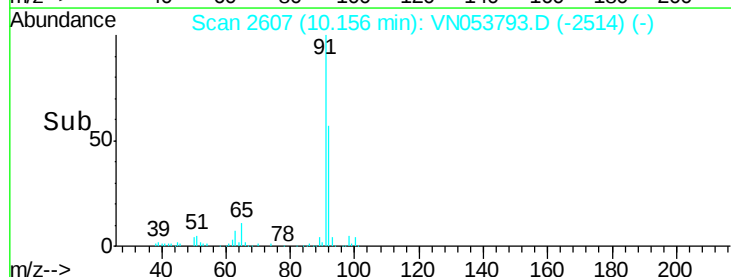
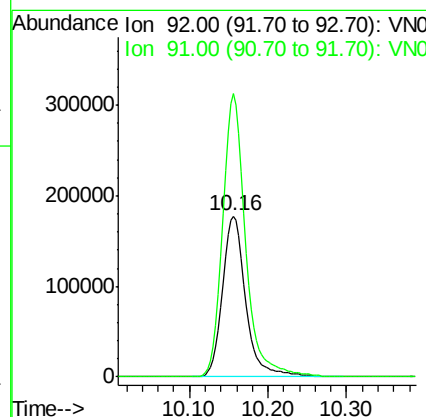
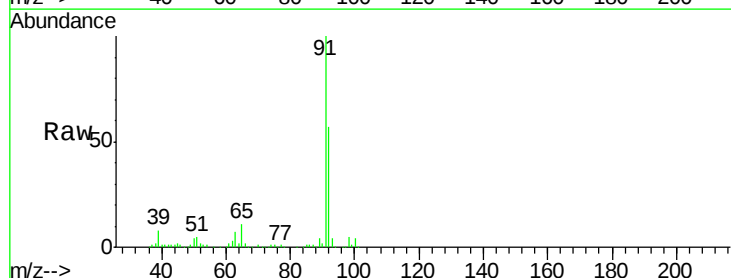
Acq: 15 Feb 2019 12:10

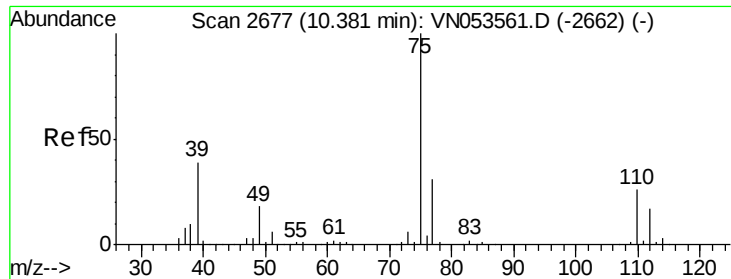
Tgt Ion: 92 Resp: 361967

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9





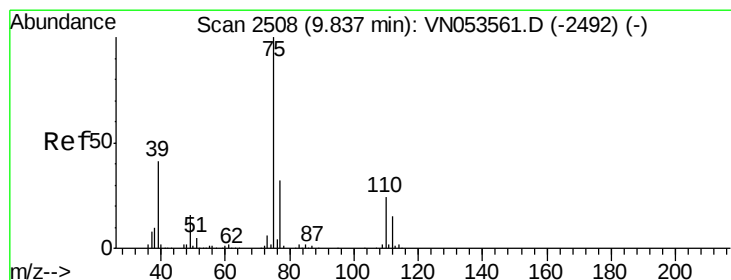
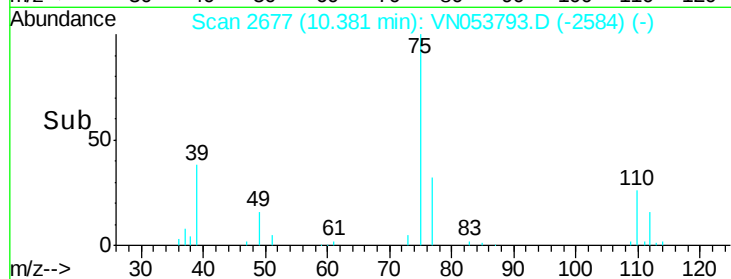
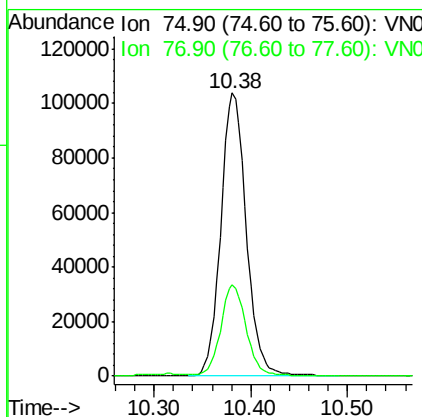
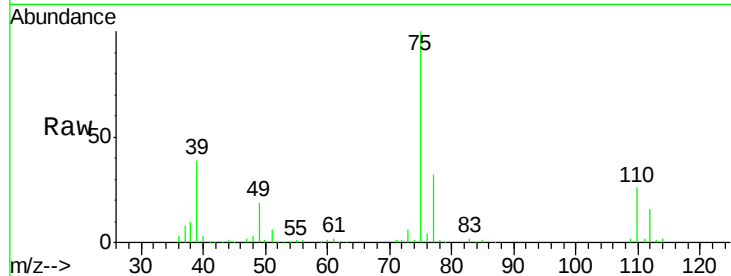
#53
 t-1,3-Dichloropropene
 Concen: 21.081 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion: 75 Resp: 190108
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3

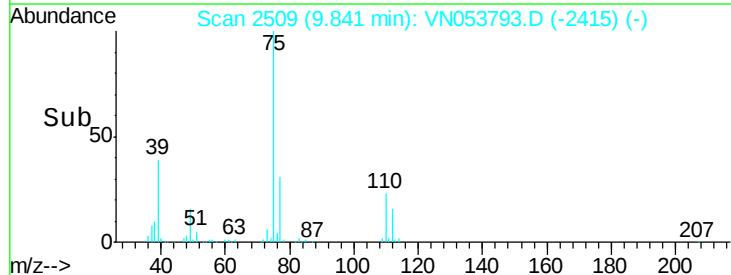
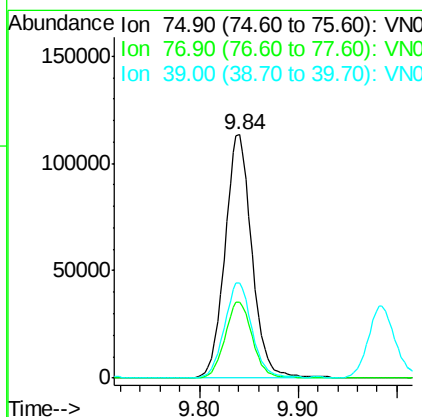
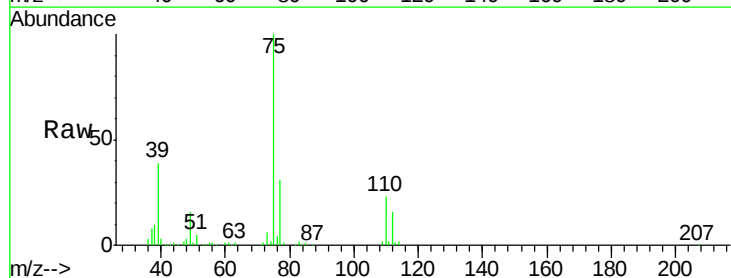
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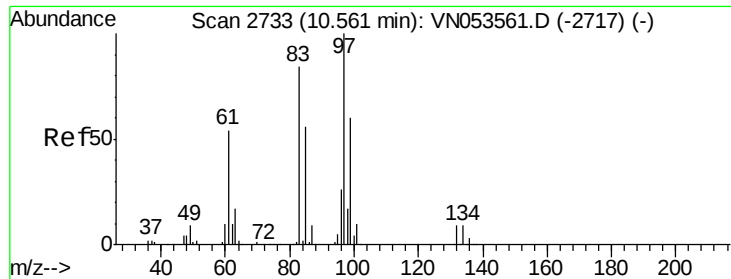
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#54
 cis-1,3-Dichloropropene
 Concen: 20.349 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion: 75 Resp: 217457
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6
 39 39.0 33.4 50.0





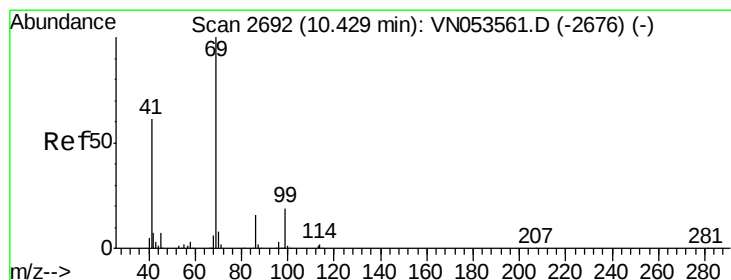
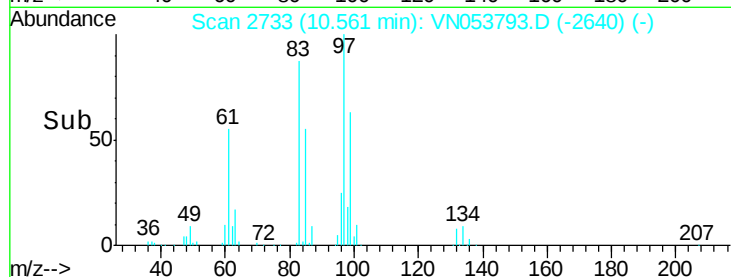
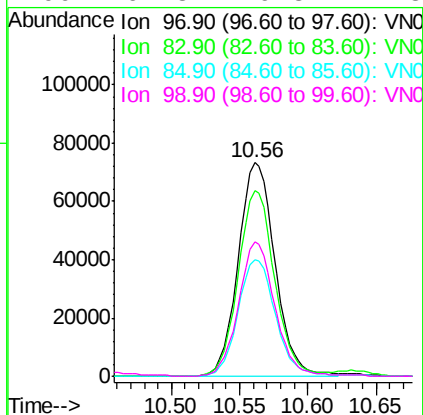
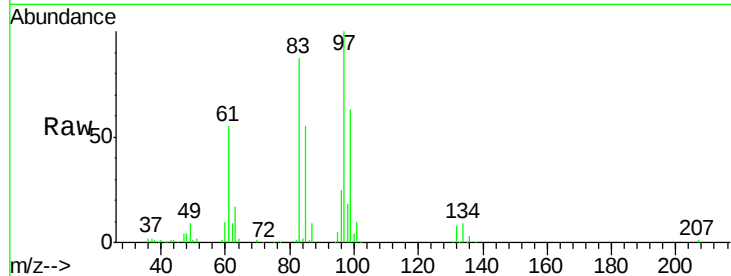
#55
 1,1,2-Trichloroethane
 Concen: 22.890 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137524		
83	87.0	70.1	105.1		
85	54.6	45.4	68.0		
99	62.8	49.8	74.8		

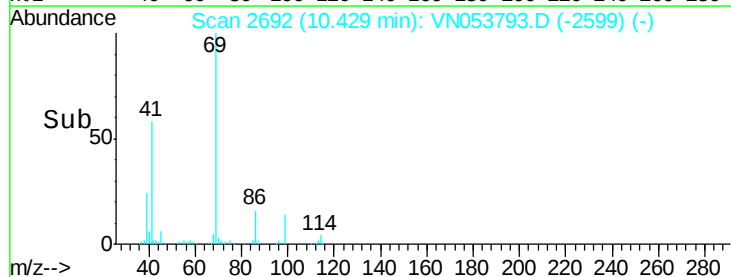
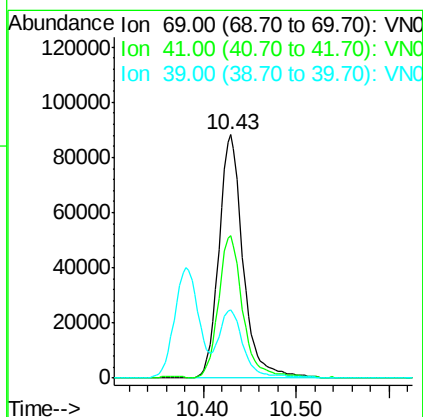
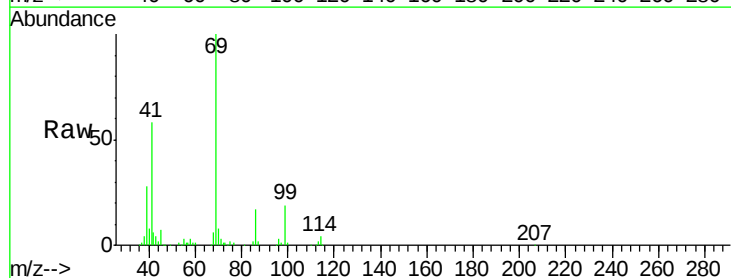
Manual Integrations
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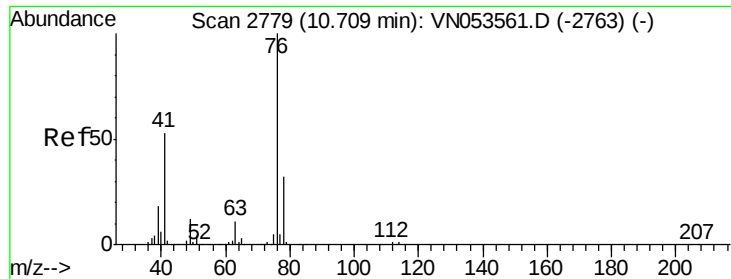
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#56
 Ethyl methacrylate
 Concen: 22.407 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159252		
41	58.2	49.4	74.0		
39	28.1	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 21.777 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 76 Resp: 223609

Ion Ratio Lower Upper

76 100

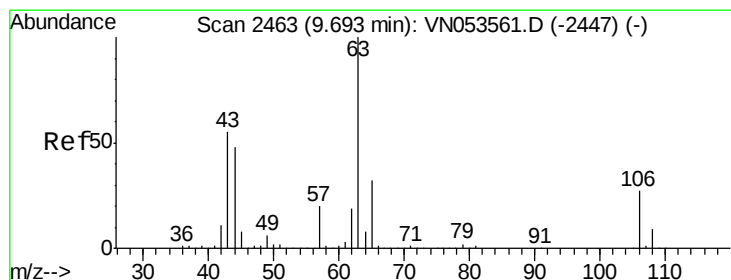
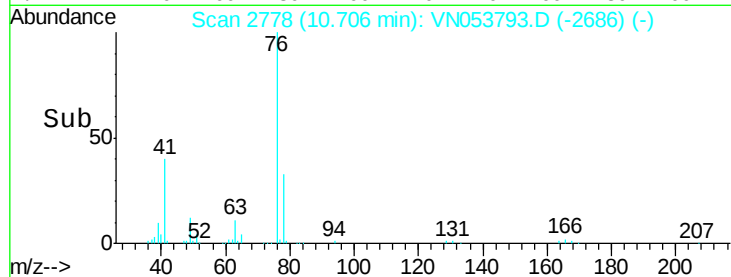
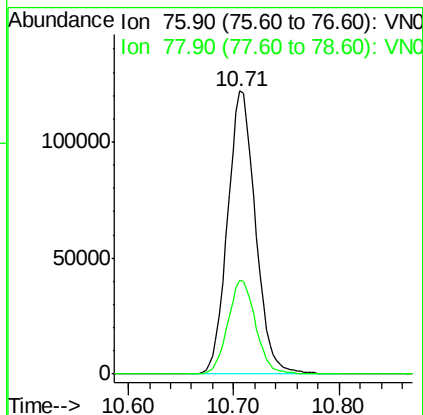
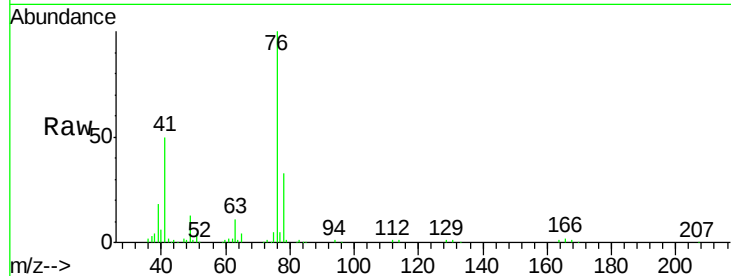
78 33.1 25.6 38.4

Manual Integrations

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2/18/2019 9:48:12 AM



#58

2-Chloroethyl Vinyl ether

Concen: 83.884 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053793.D

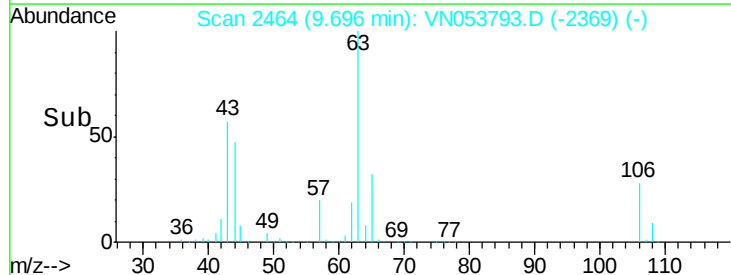
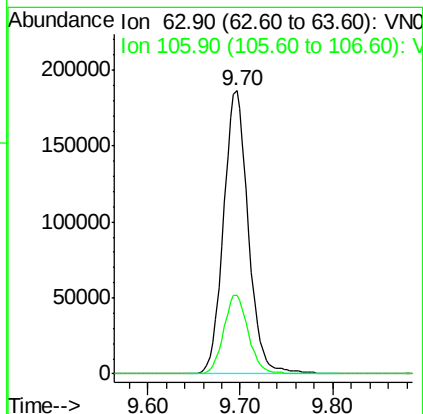
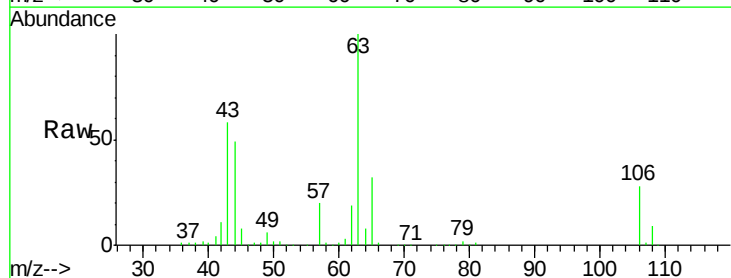
Acq: 15 Feb 2019 12:10

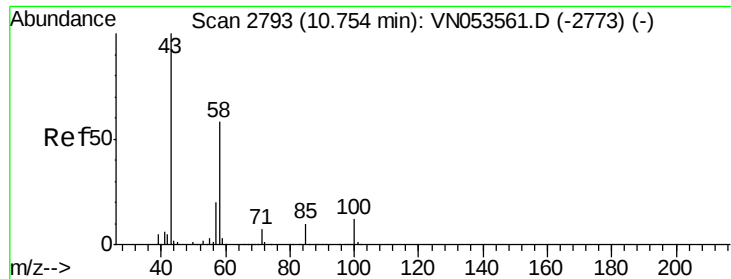
Tgt Ion: 63 Resp: 345512

Ion Ratio Lower Upper

63 100

106 27.7 21.5 32.3





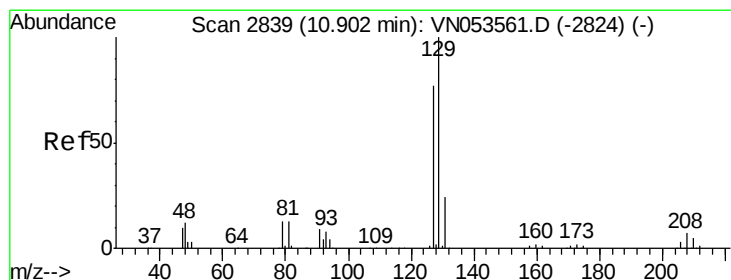
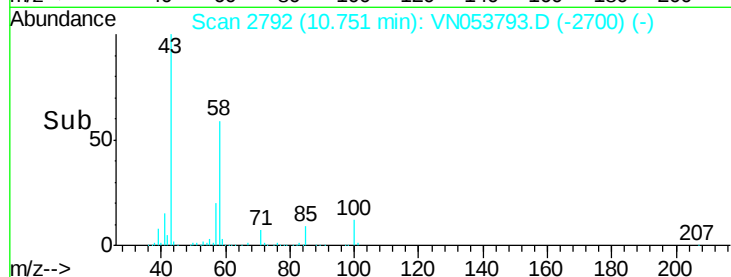
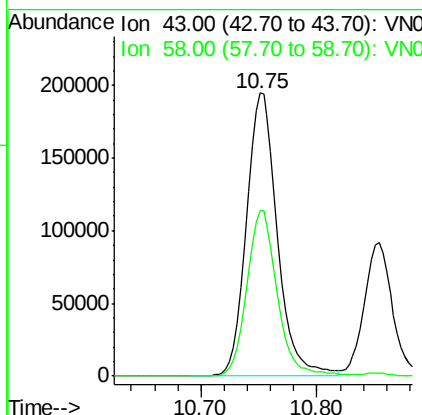
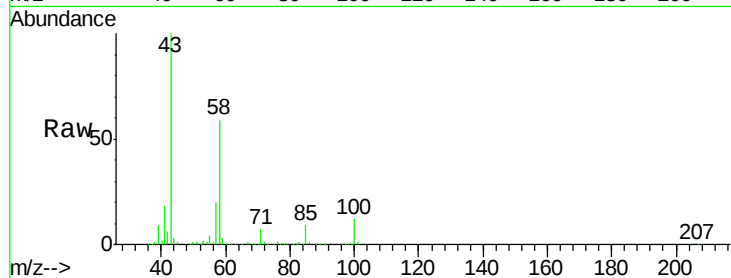
#59
2-Hexanone
Concen: 109.985 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	43	Resp	360521
Ion Ratio	Lower	Upper	
43	100		
58	57.8	28.6	85.8

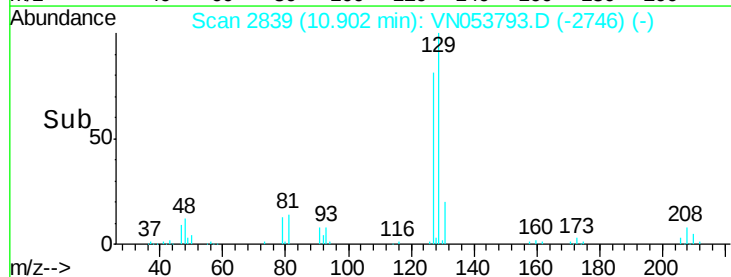
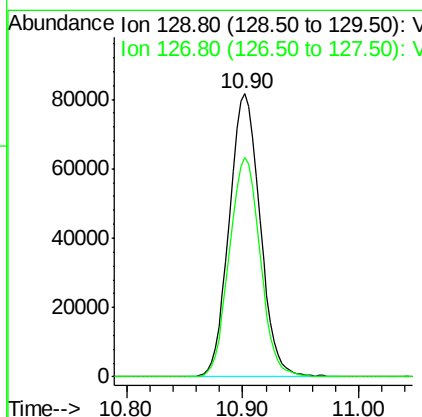
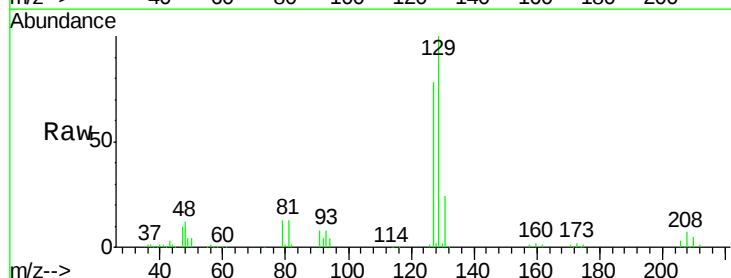
Manual Integrations
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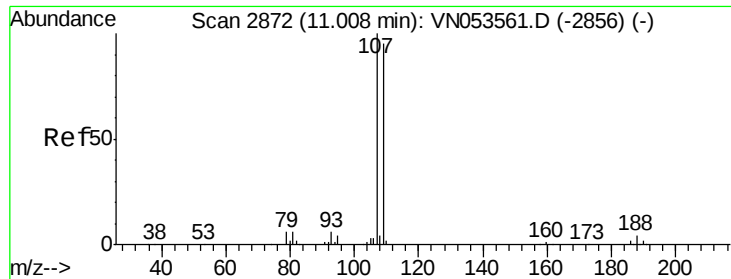
MMDadoda
2/18/2019 9:48:12 AM



#60
Dibromochloromethane
Concen: 22.179 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	129	Resp	150260
Ion Ratio	Lower	Upper	
129	100		
127	77.5	38.6	115.8





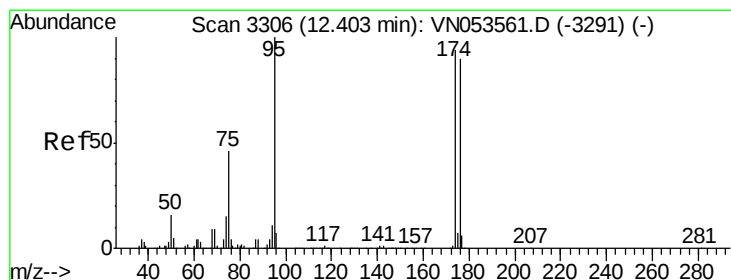
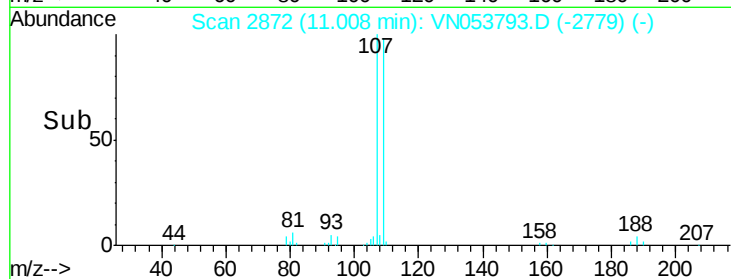
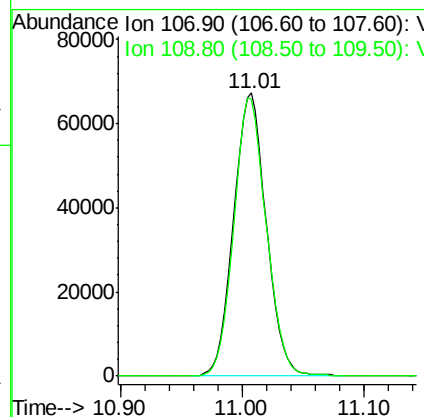
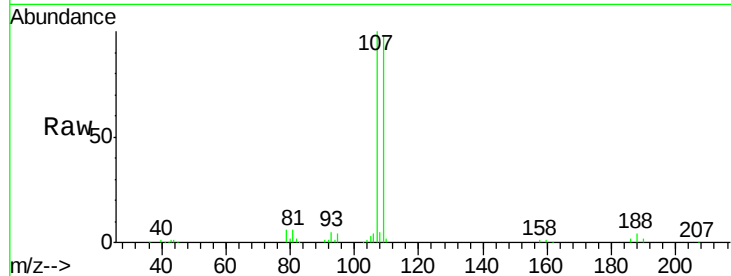
#61
 1,2-Dibromoethane
 Concen: 21.067 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.8	75.7	113.5

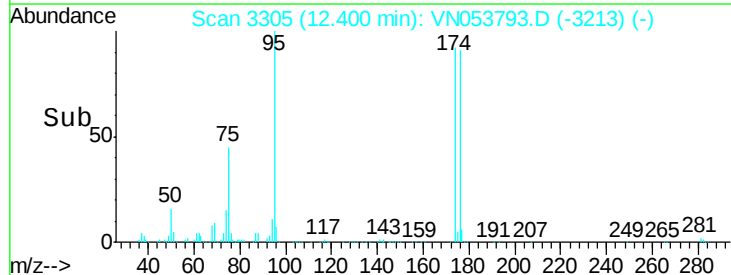
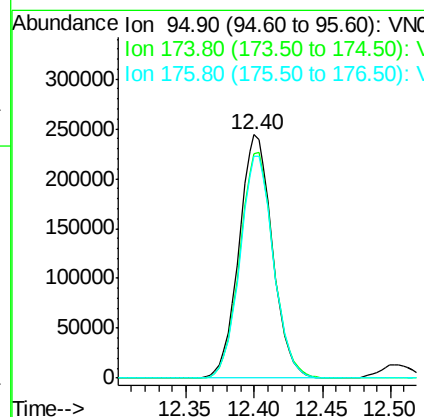
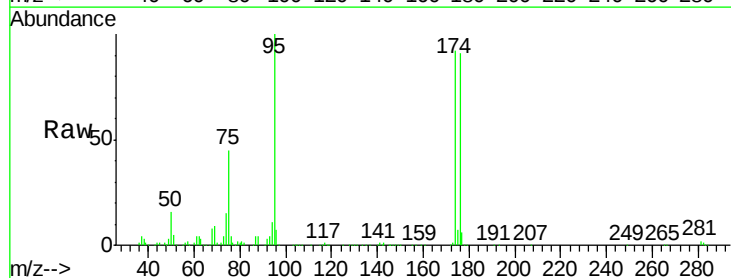
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 51.728 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	183.2
176	91.6	0.0	177.4





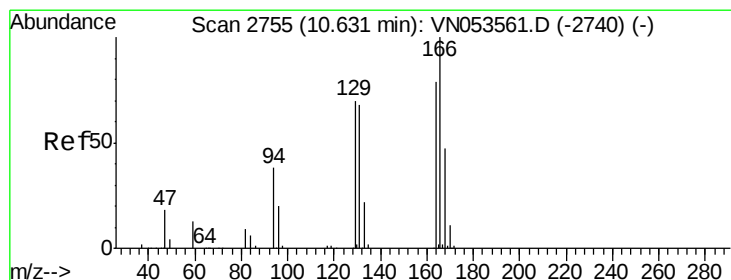
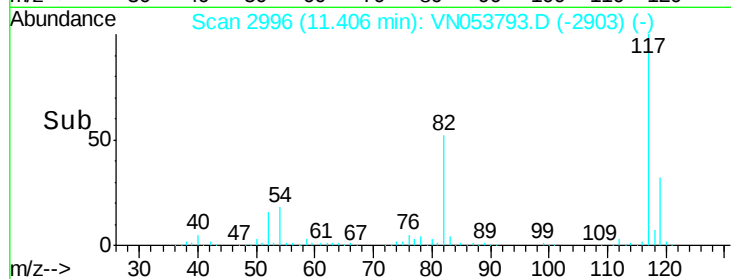
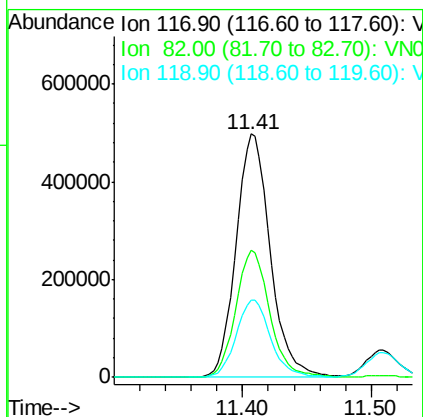
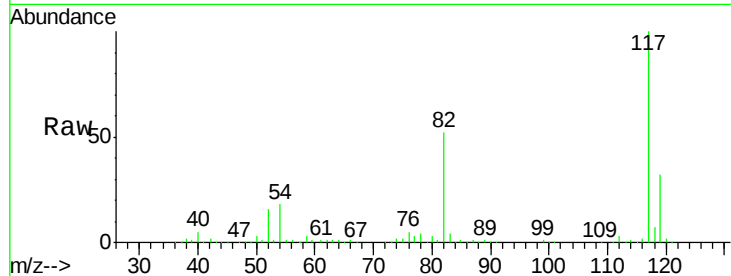
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.9	64.3
119	31.8	26.0	39.0

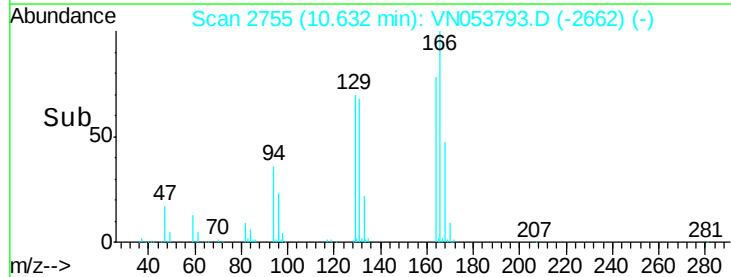
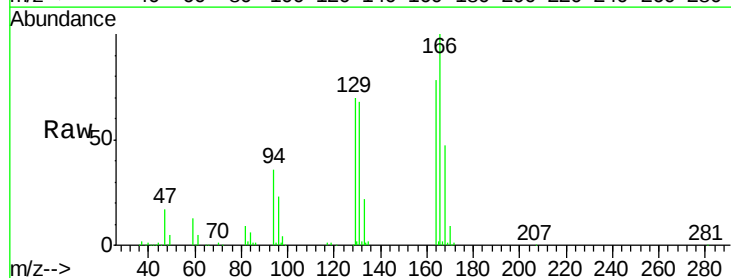
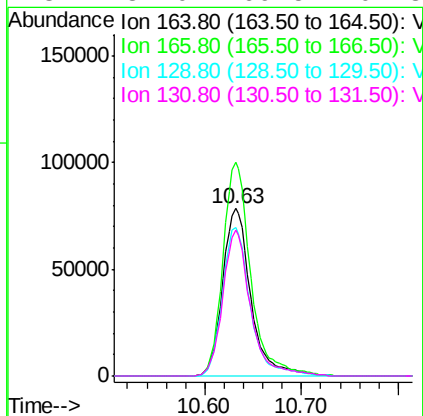
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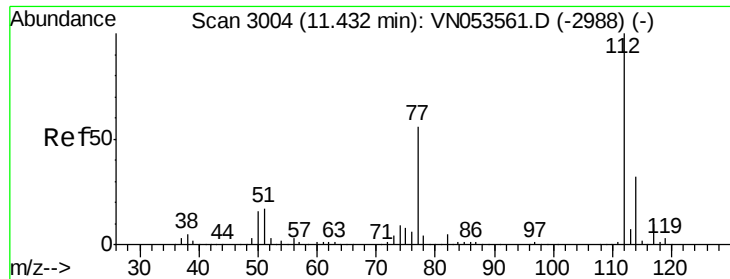
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#64
Tetrachloroethene
Concen: 20.226 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	88.9	72.6	109.0
131	87.0	69.5	104.3





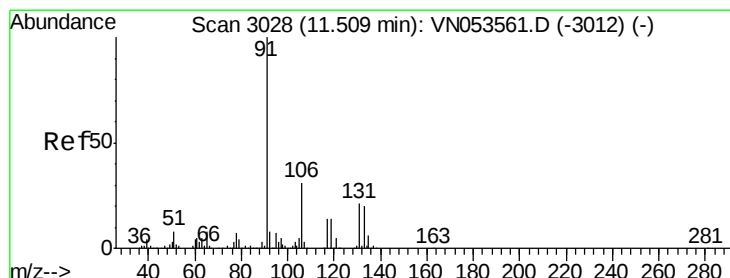
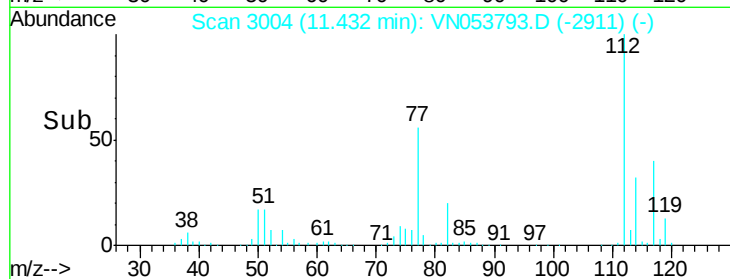
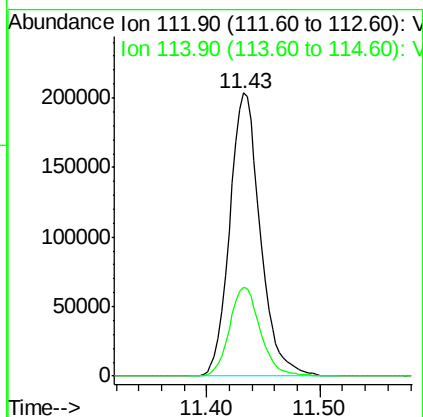
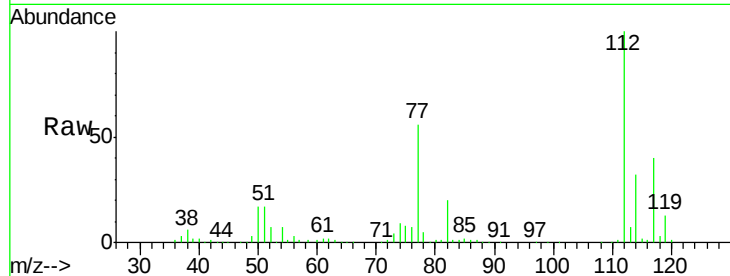
#65
Chlorobenzene
Concen: 19.593 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion:112 Resp: 382618
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

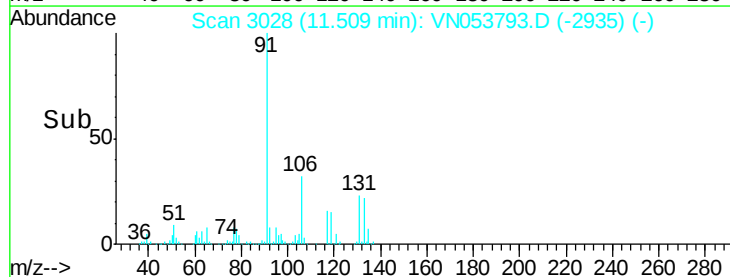
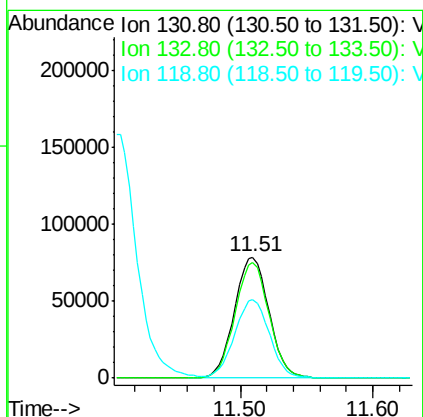
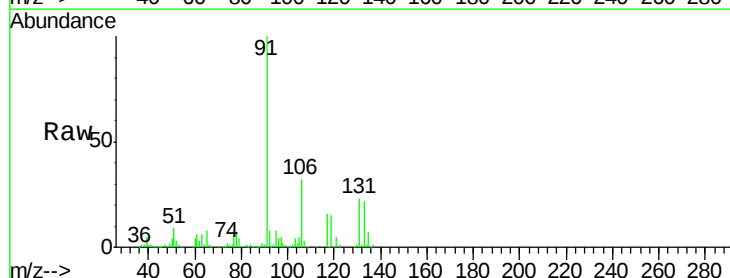
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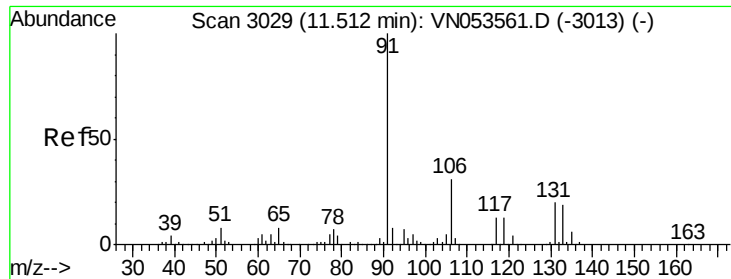
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.950 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion:131 Resp: 142882
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 65.9 33.5 100.5





#67

Ethyl Benzene

Concen: 19.262 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 91 Resp: 617892

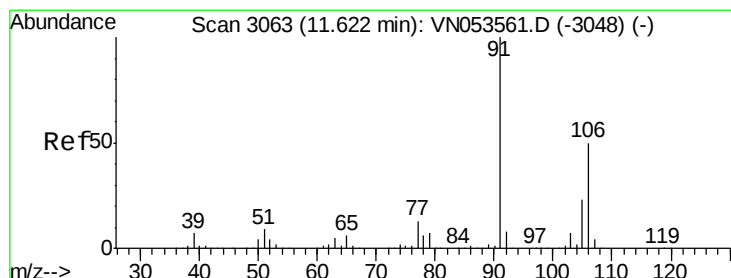
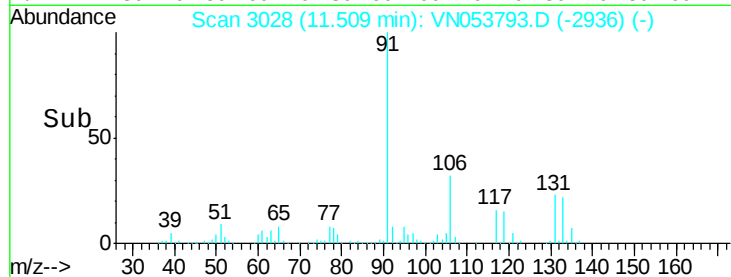
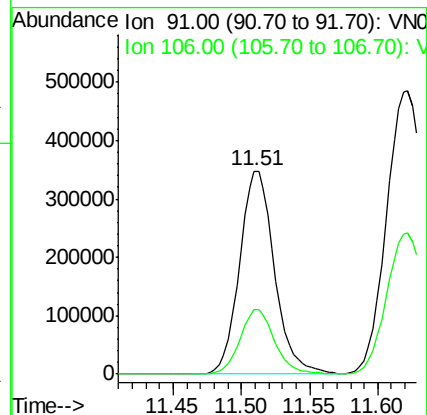
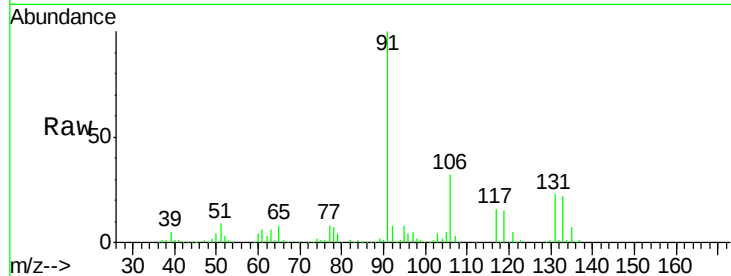
Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.978 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053793.D

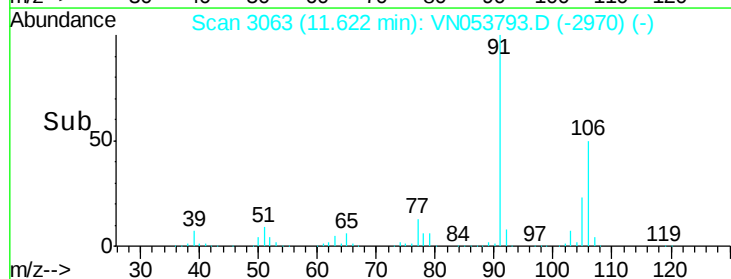
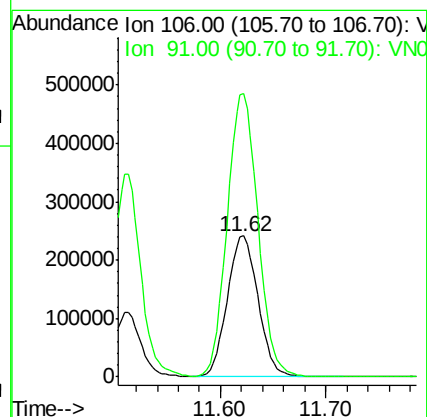
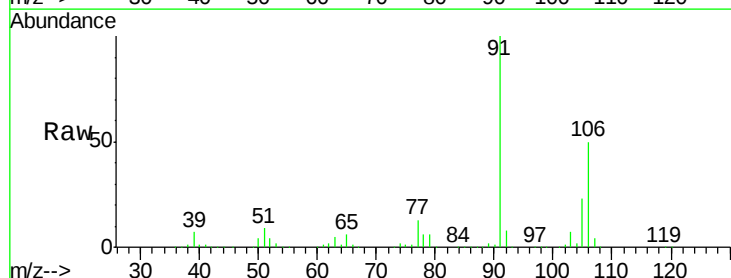
Acq: 15 Feb 2019 12:10

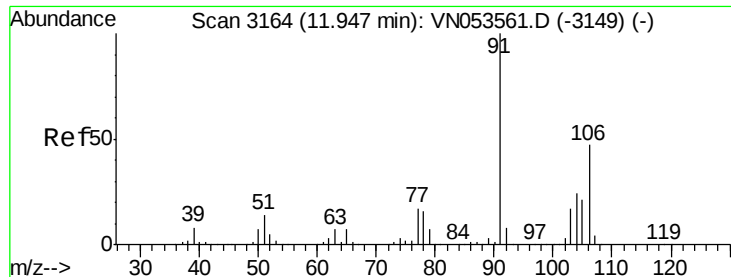
Tgt Ion: 106 Resp: 489467

Ion Ratio Lower Upper

106 100

91 199.6 161.4 242.2





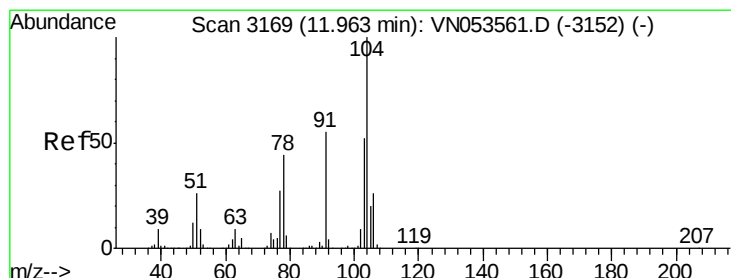
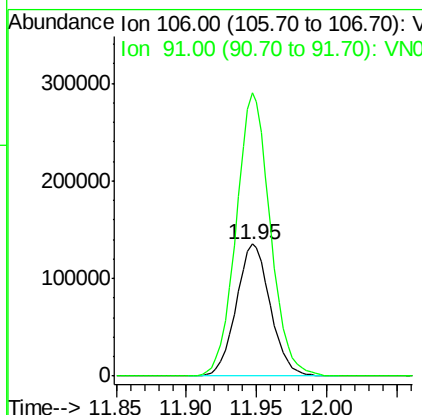
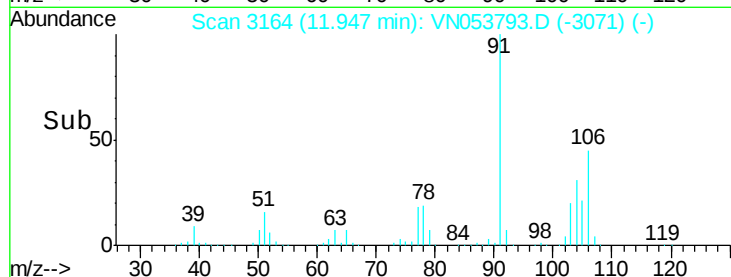
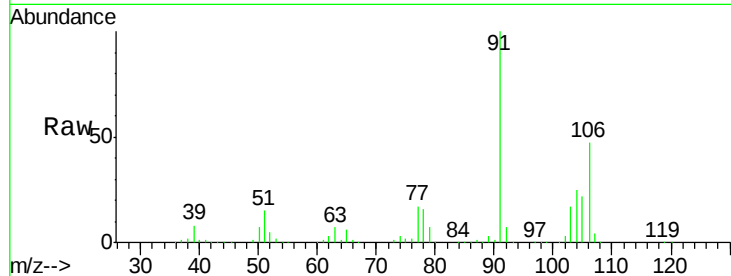
#69
o-Xylene
Concen: 19.432 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		229850		
91	213.6	106.9	320.8		

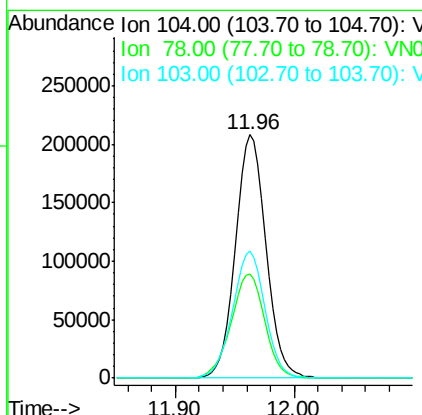
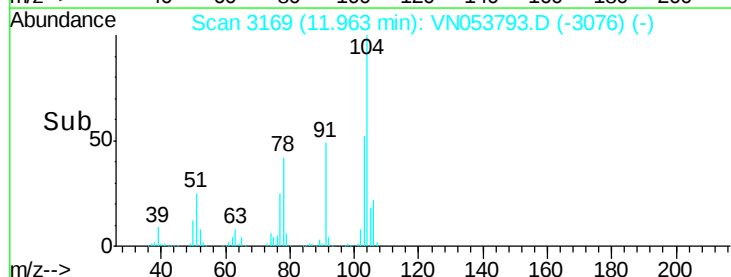
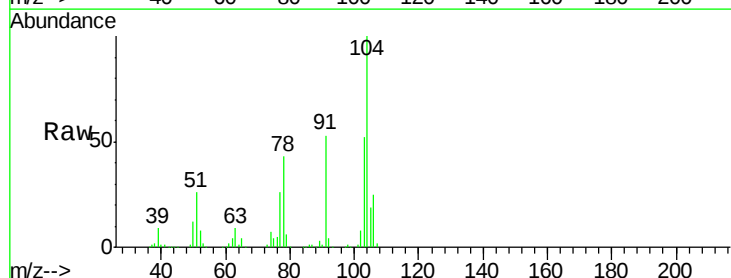
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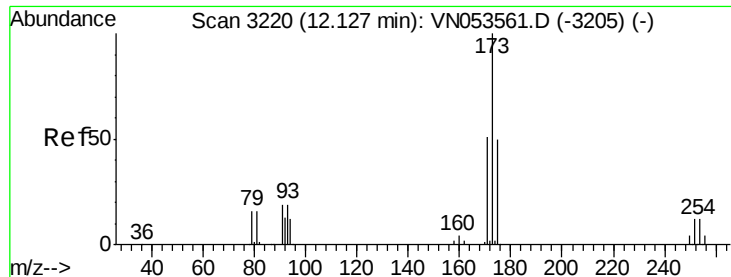
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#70
Styrene
Concen: 19.334 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		370658		
78	47.3	38.2	57.2		
103	55.5	44.4	66.6		





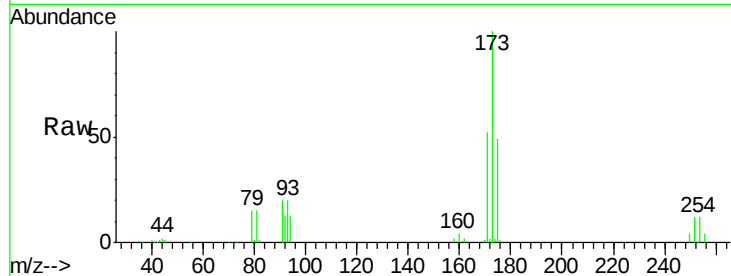
#71
Bromoform
Concen: 20.813 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

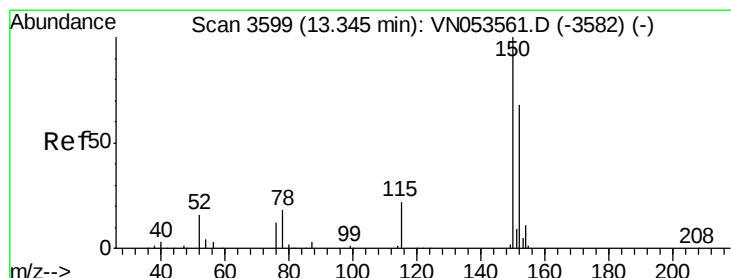
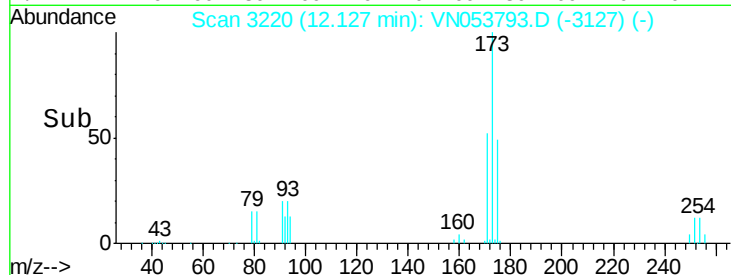
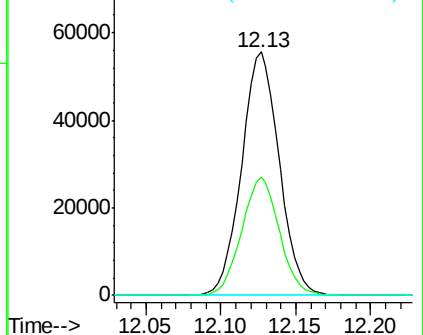
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	74.0
254	0.0	0.2	0.2

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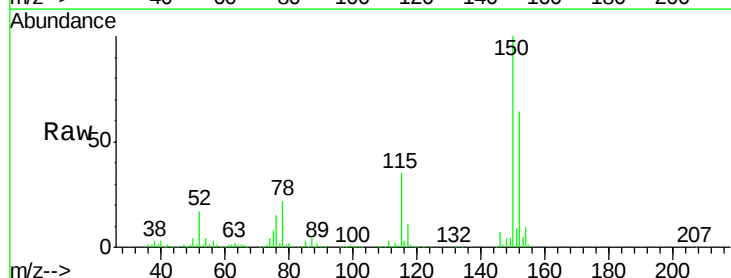


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

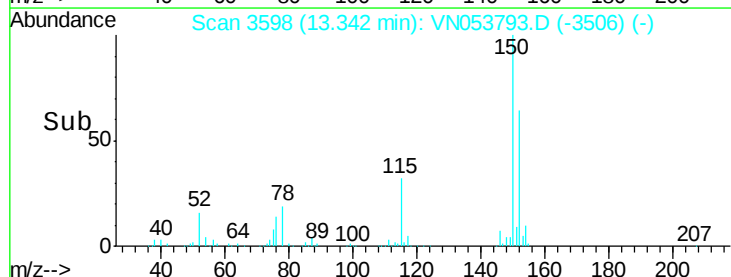
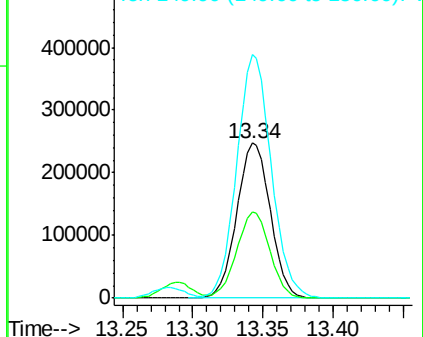


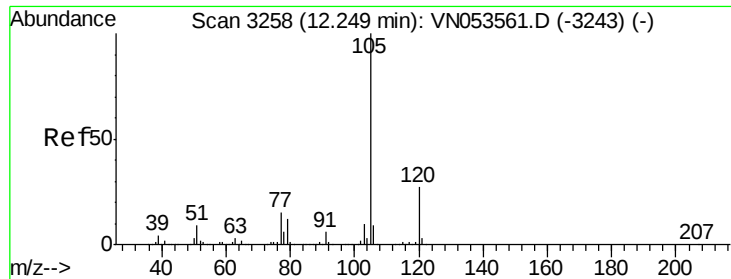
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.4
150	162.2	0.0	349.0



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





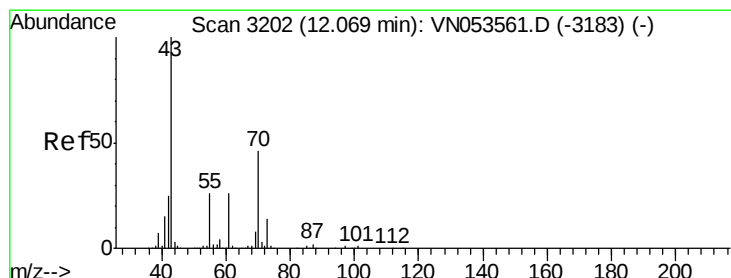
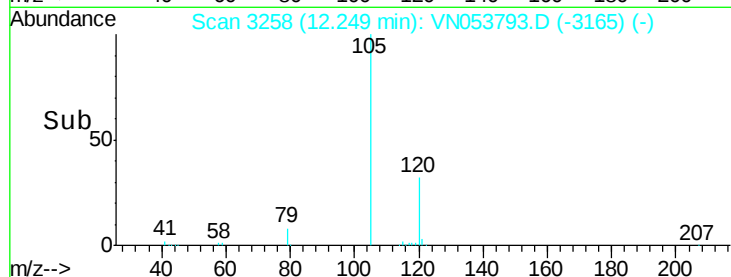
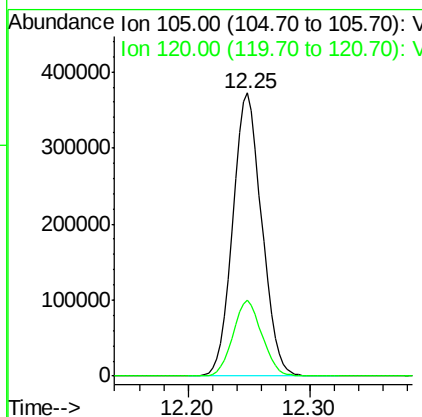
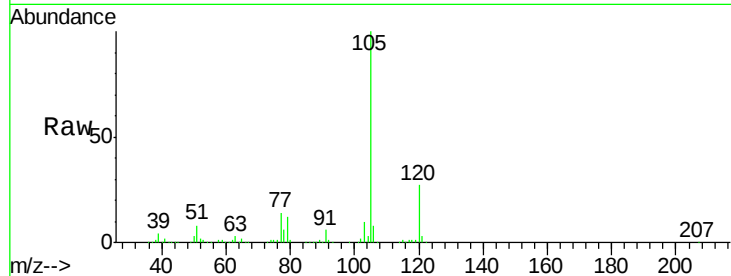
#73
Isopropylbenzene
Concen: 21.188 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.6	40.7

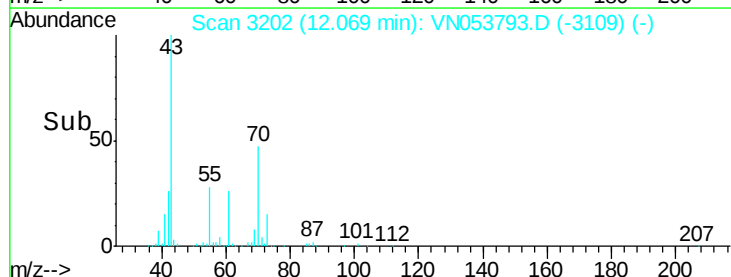
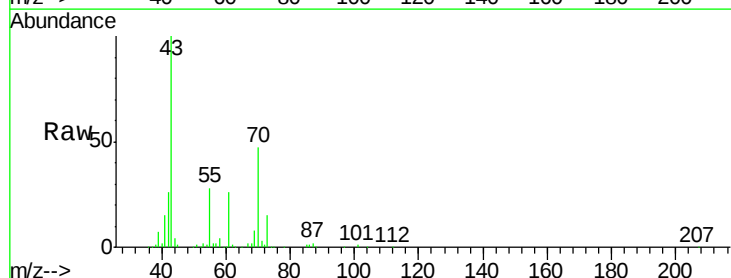
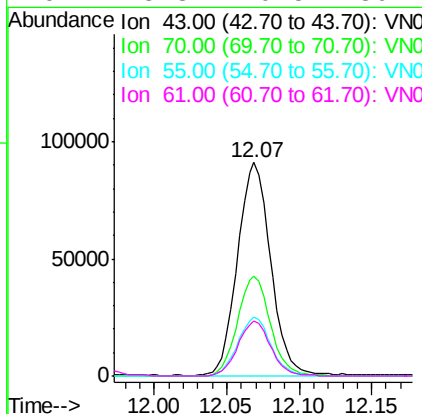
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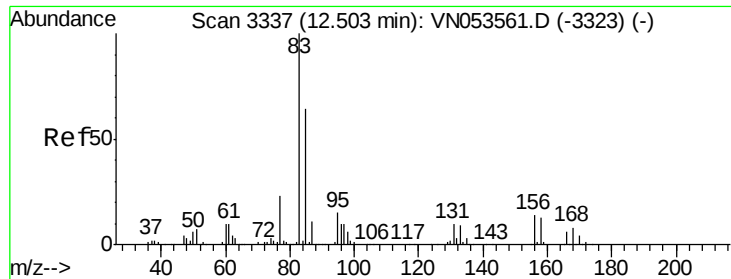
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#74
N-ethyl acetate
Concen: 20.798 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	35.4	53.2
55	27.6	20.9	31.3
61	25.3	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.674 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

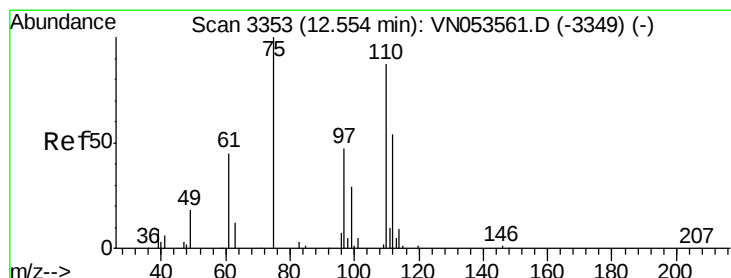
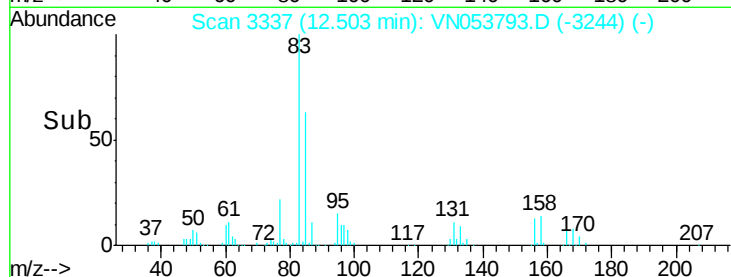
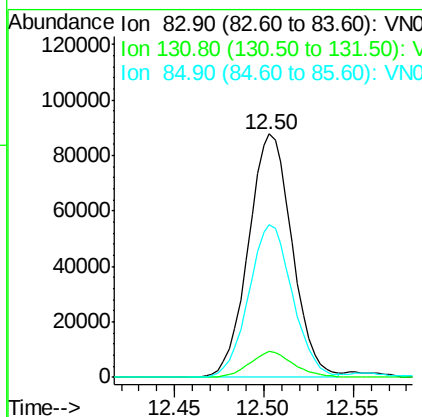
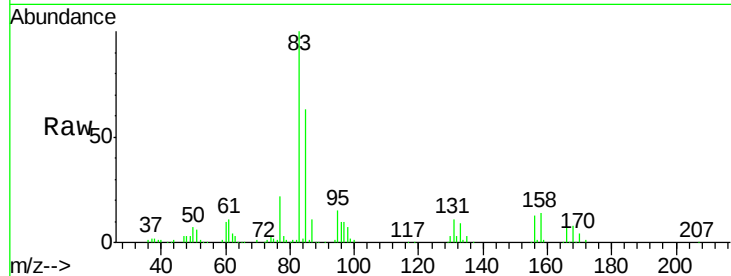
ClientSampleId :

VN0215WBSD01

Tot Ion	83	Resp	150010
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	62.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 22.919 ug/l m

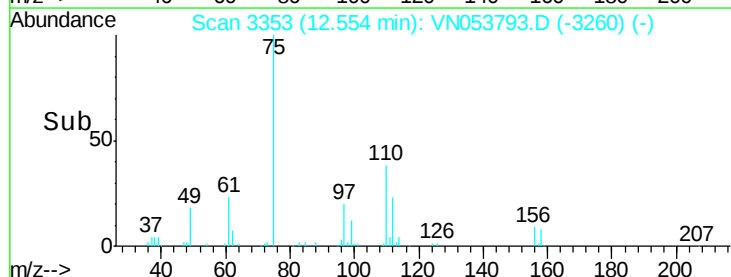
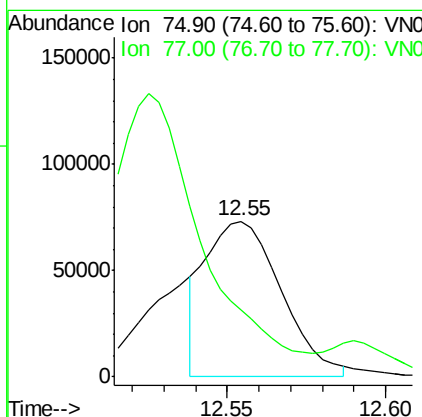
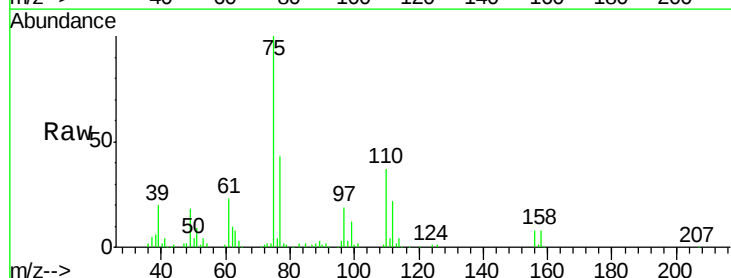
RT: 12.55 min Scan# 3353

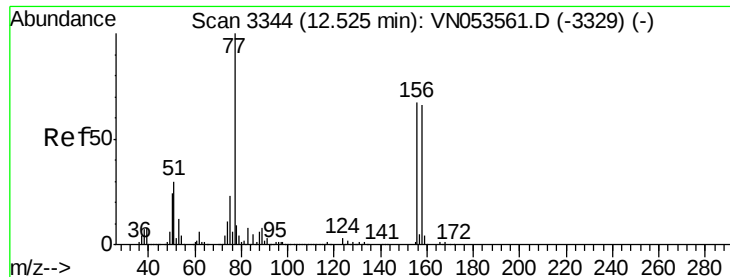
Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion	75	Resp	121105
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.582 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

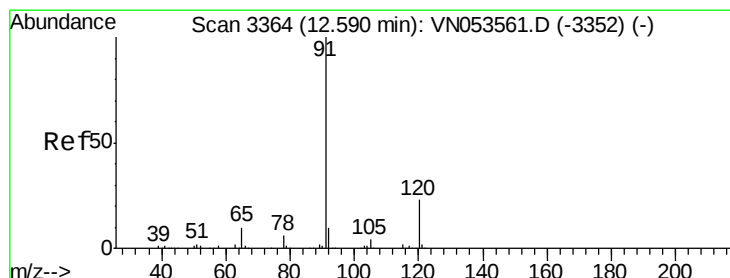
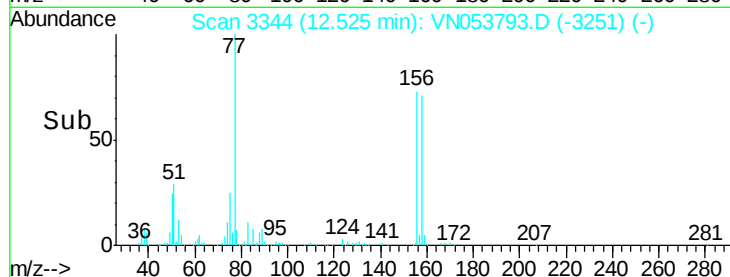
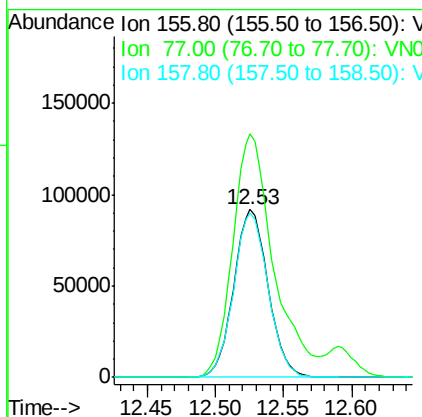
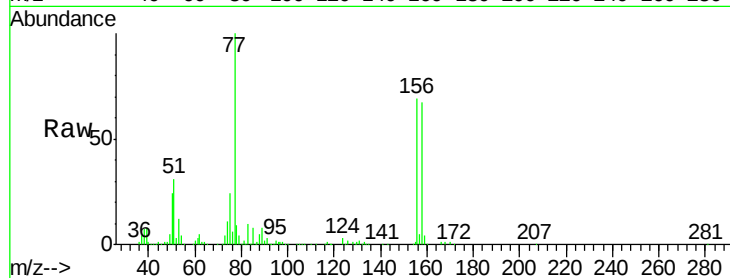
ClientSampleId :

VN0215WBSD01

Tot Ion:	156	Resp:	160423
Ion Ratio	Lower	Upper	
156	100		
77	172.9	87.9	263.8
158	98.2	48.8	146.4

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#78

n-propylbenzene

Concen: 20.740 ug/l

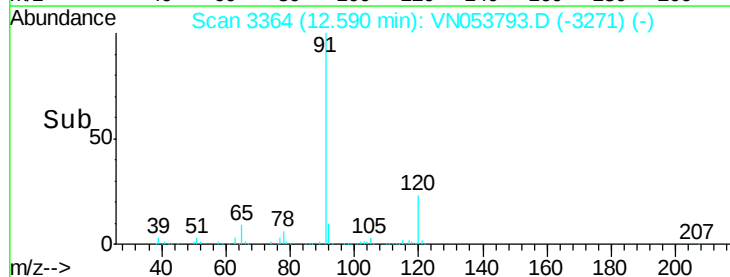
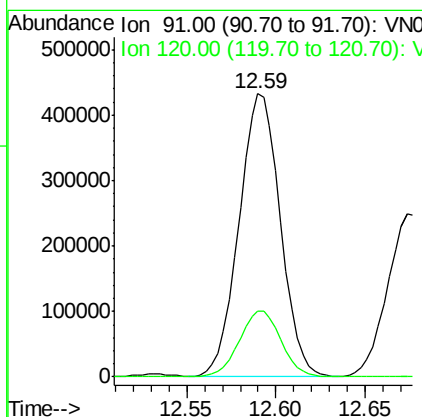
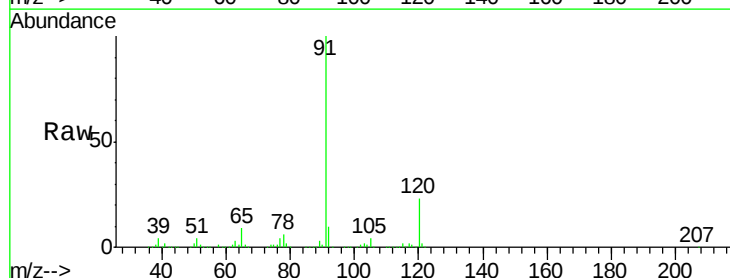
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Tgt Ion:	91	Resp:	693376
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.933 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0215WBSD01

Tot Ion: 91 Resp: 415187

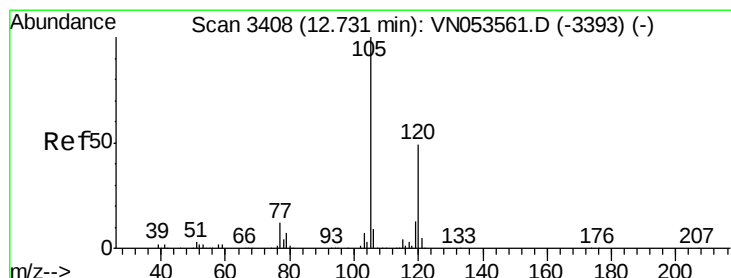
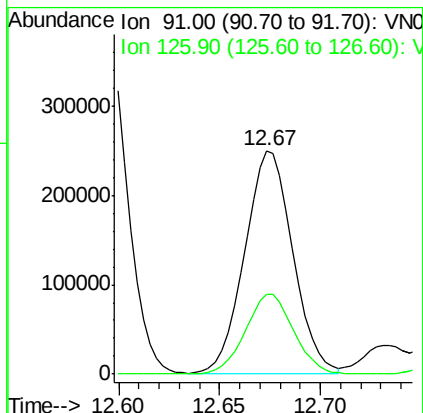
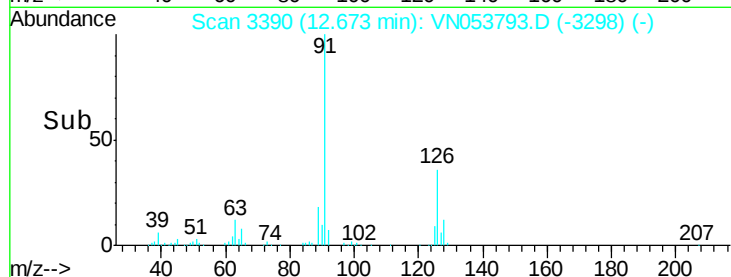
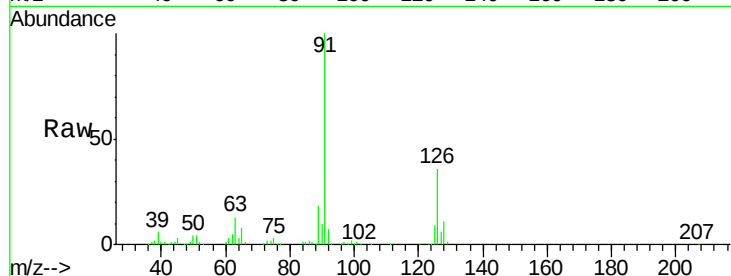
Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.442 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053793.D

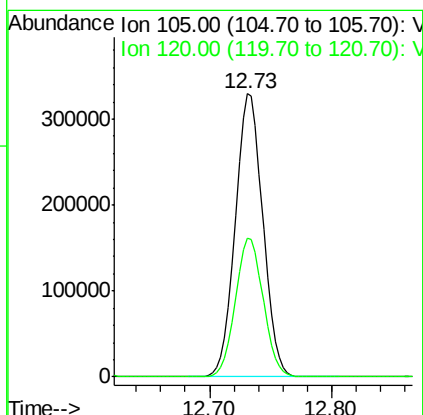
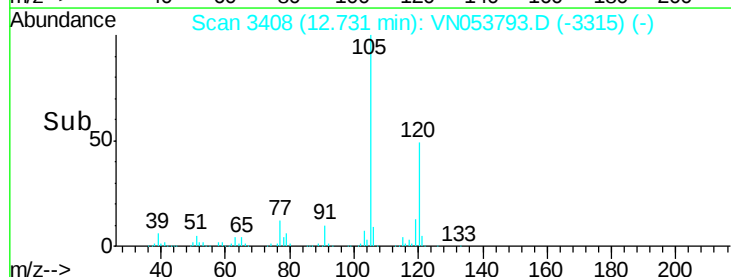
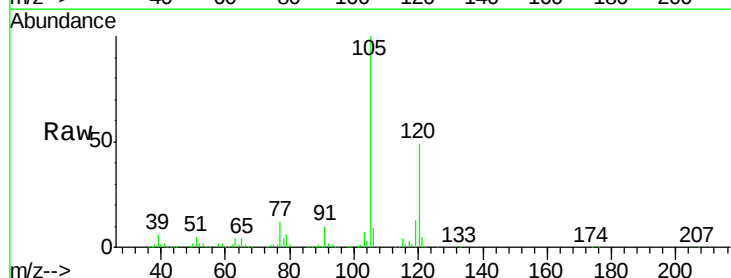
Acq: 15 Feb 2019 12:10

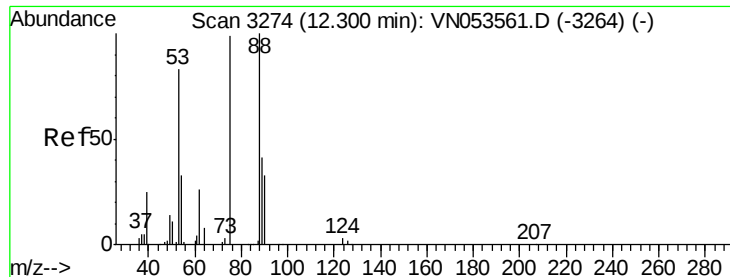
Tgt Ion: 105 Resp: 514215

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.875 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion: 75 Resp: 37349

Ion Ratio Lower Upper

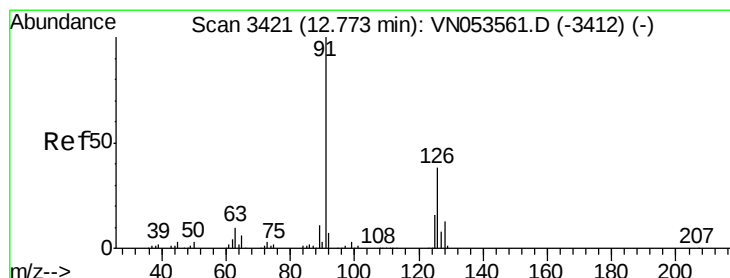
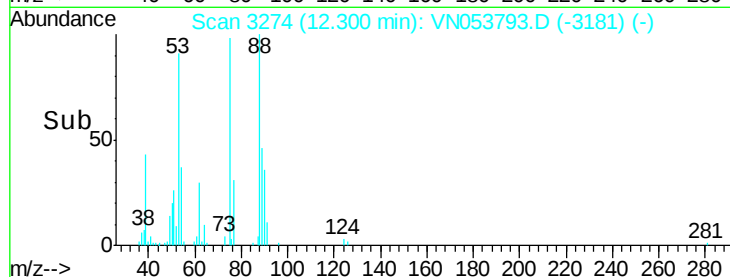
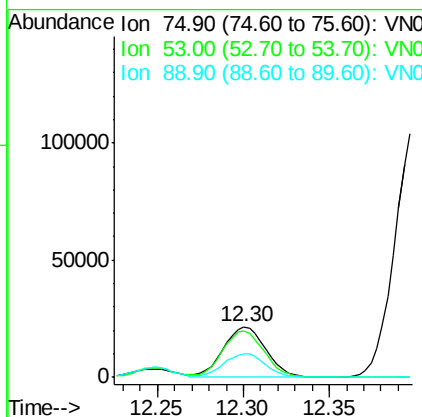
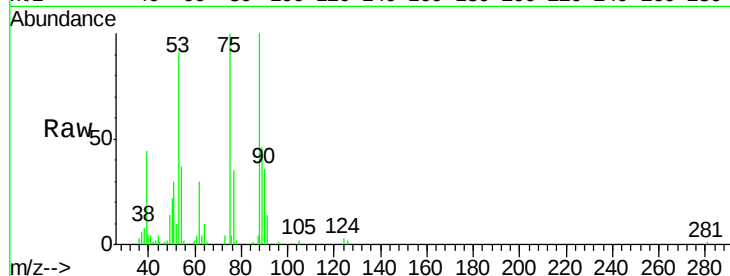
75 100

53 87.5 69.8 104.6

89 46.0 35.6 53.4

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#82

4-Chlorotoluene

Concen: 20.203 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053793.D

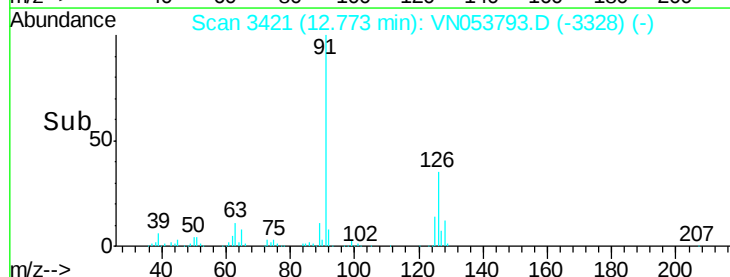
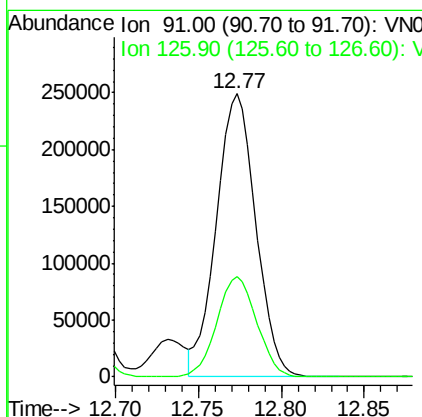
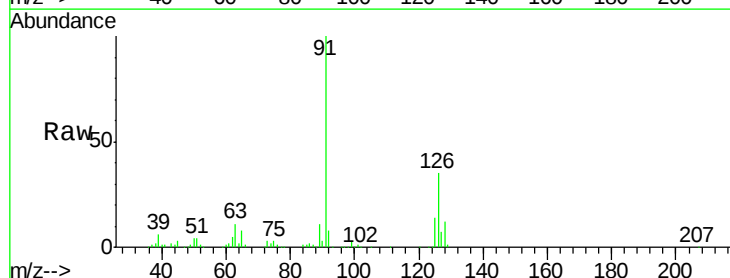
Acq: 15 Feb 2019 12:10

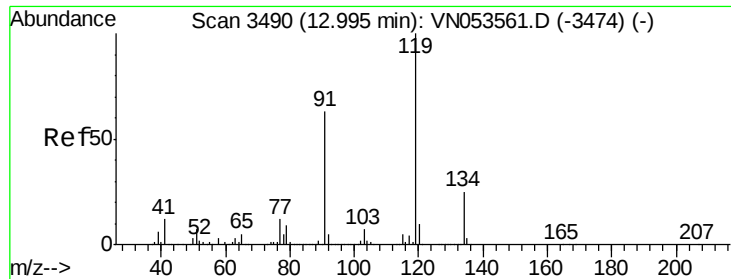
Tgt Ion: 91 Resp: 411188

Ion Ratio Lower Upper

91 100

126 35.7 17.6 52.9





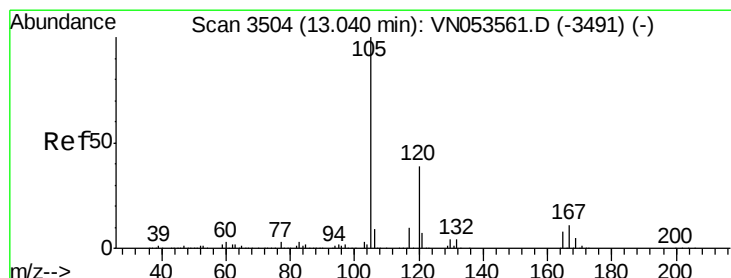
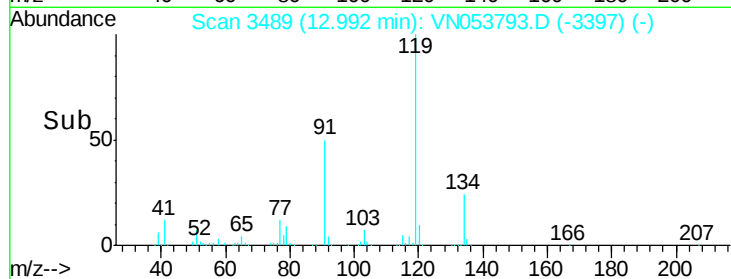
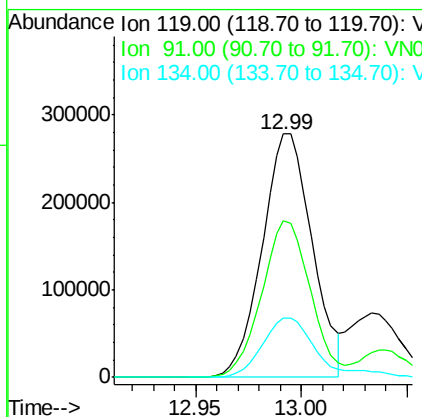
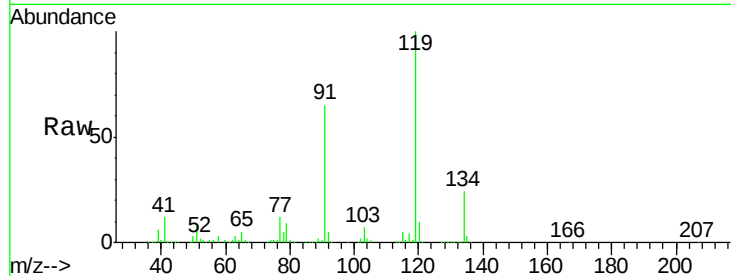
#83
tert-Butylbenzene
Concen: 21.698 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	459905		
91	62.6	31.3	93.8	
134	26.7	12.9	38.7	

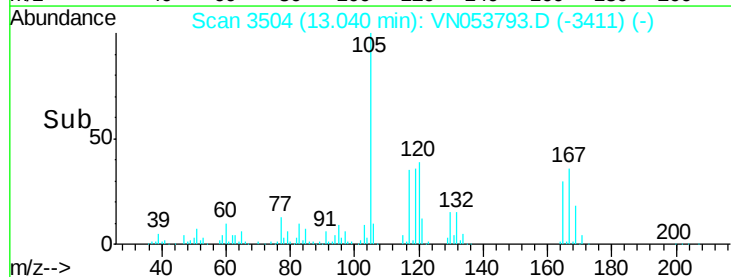
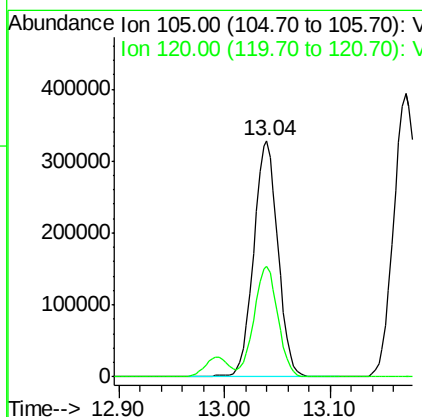
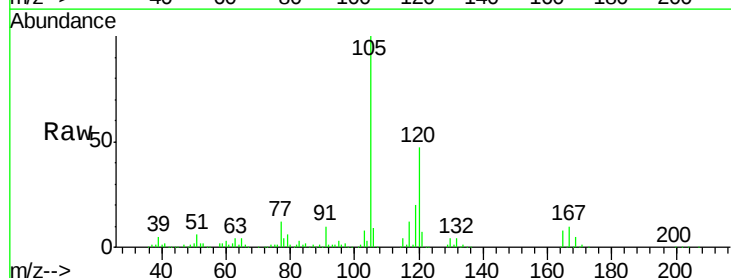
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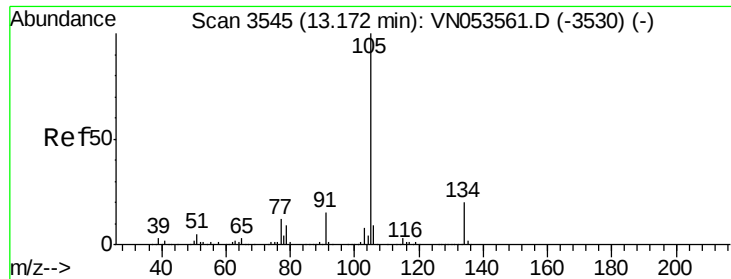
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#84
1,2,4-Trimethylbenzene
Concen: 21.538 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	526237		
120	46.1	23.0	69.0	





#85

sec-Butylbenzene

Concen: 21.665 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0215WBSD01

Tot Ion:105 Resp: 624888

Ion Ratio Lower Upper

105 100

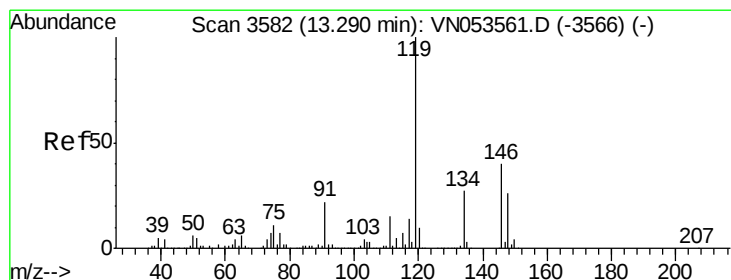
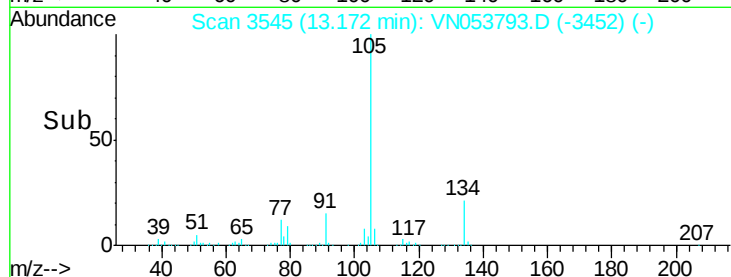
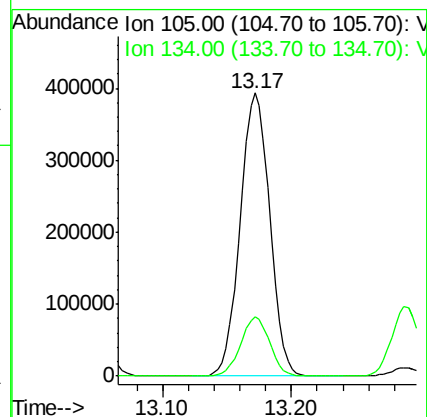
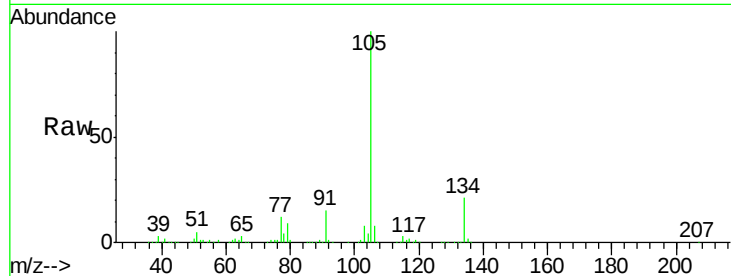
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 21.285 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053793.D

Acq: 15 Feb 2019 12:10

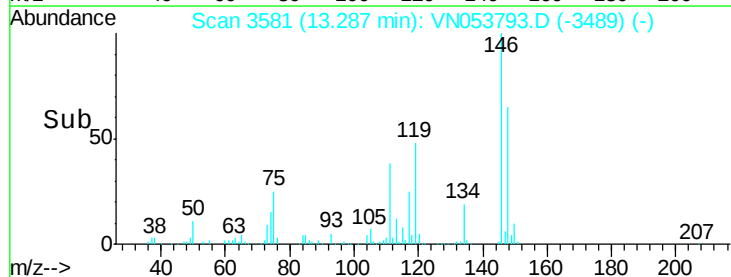
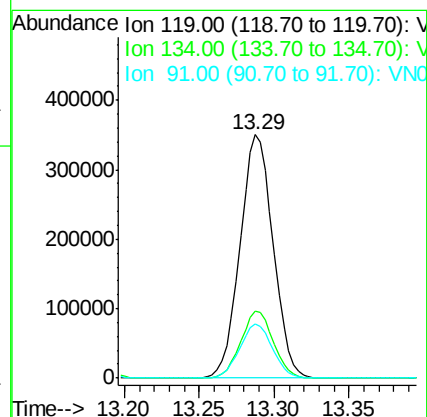
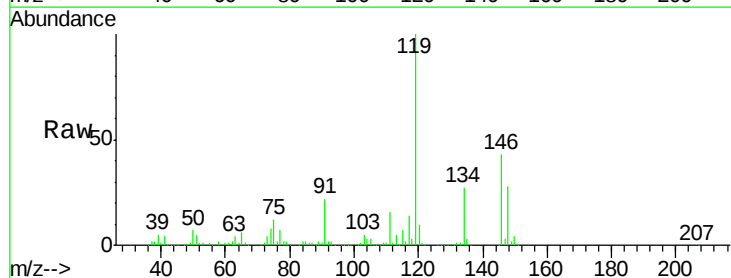
Tgt Ion:119 Resp: 536925

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.1 11.0 33.0





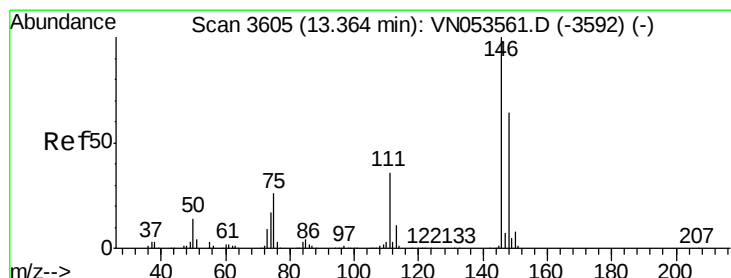
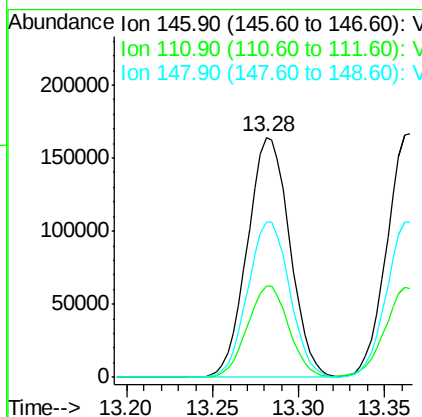
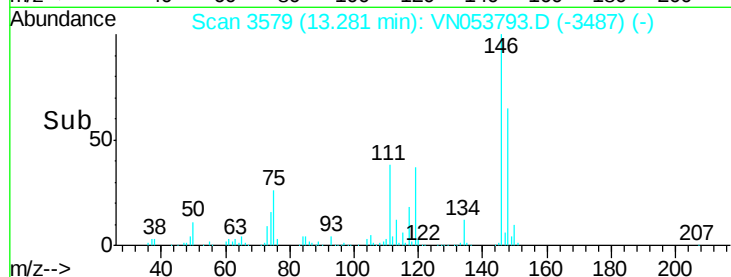
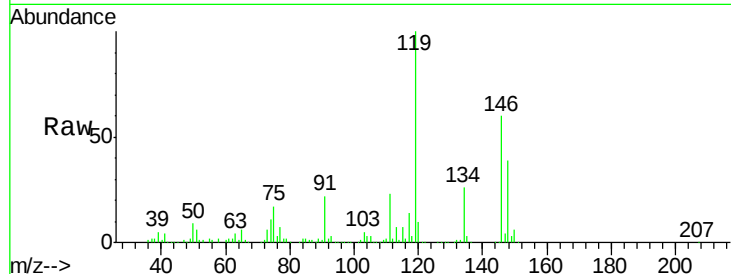
#87
 1,3-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	281650		
111	37.2	18.8	56.3	
148	64.1	32.0	96.2	

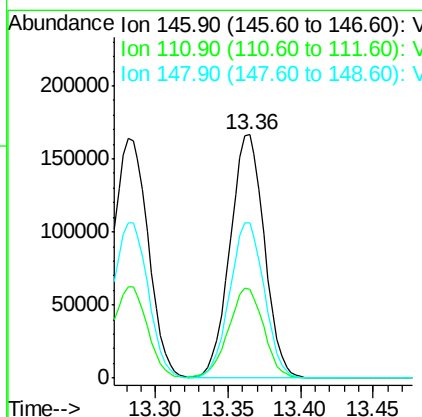
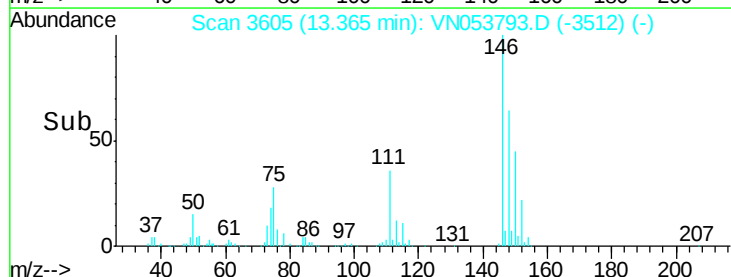
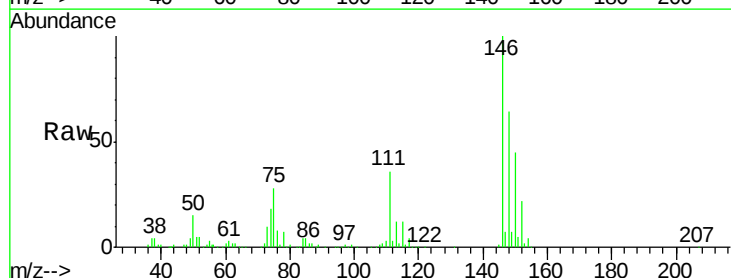
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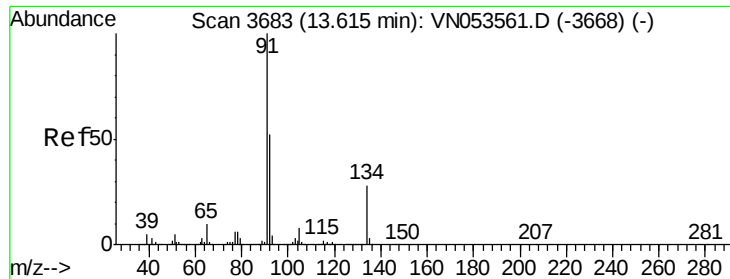
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#88
 1,4-Dichlorobenzene
 Concen: 19.752 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	273756		
111	38.0	18.6	55.8	
148	64.2	32.4	97.0	





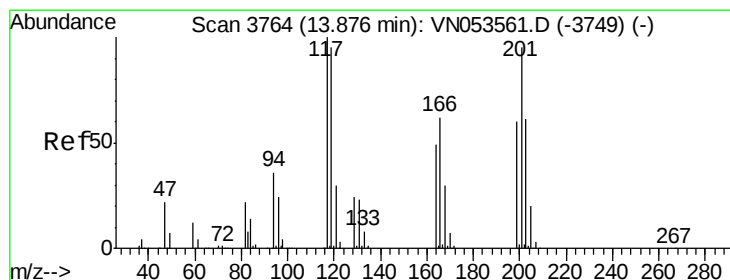
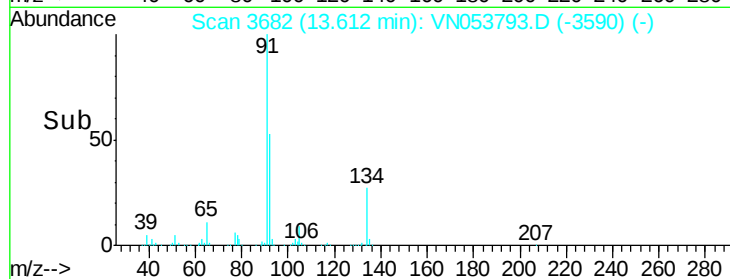
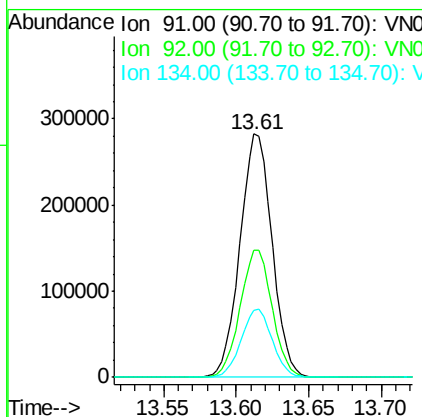
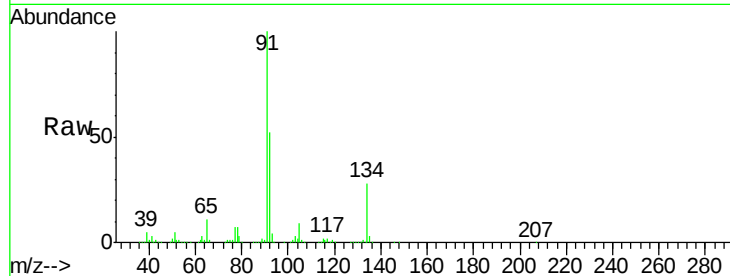
#89
n-Butylbenzene
Concen: 19.952 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	27.2	13.5	40.5

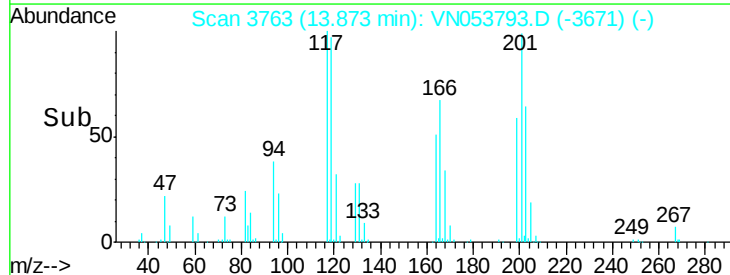
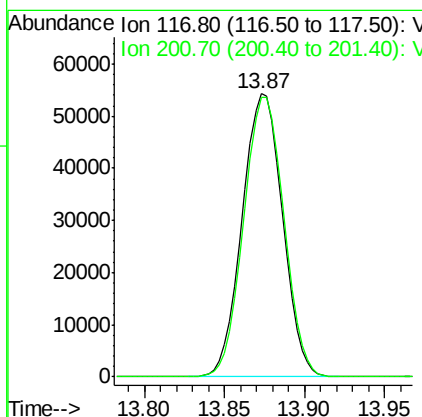
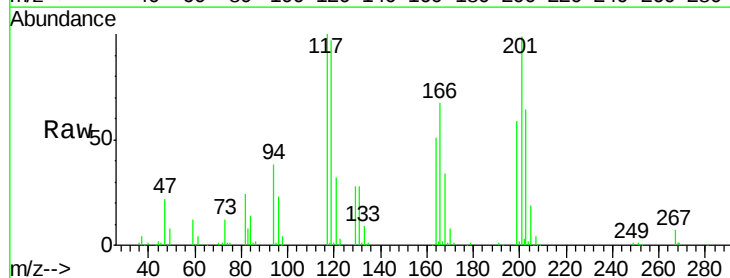
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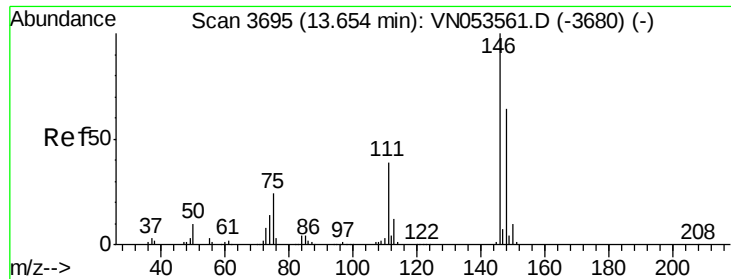
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#90
Hexachloroethane
Concen: 22.496 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	46.8	140.4





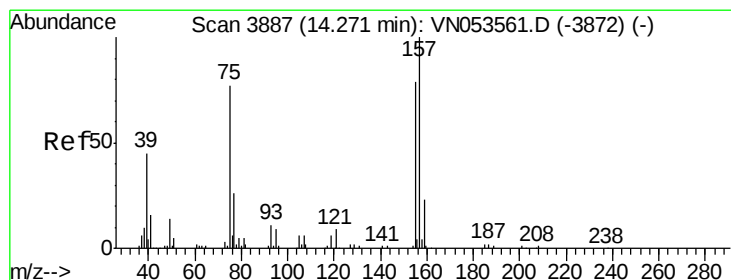
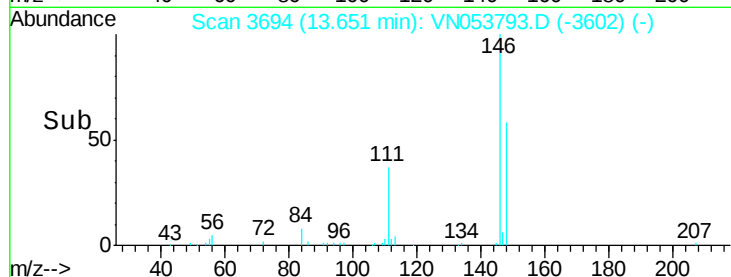
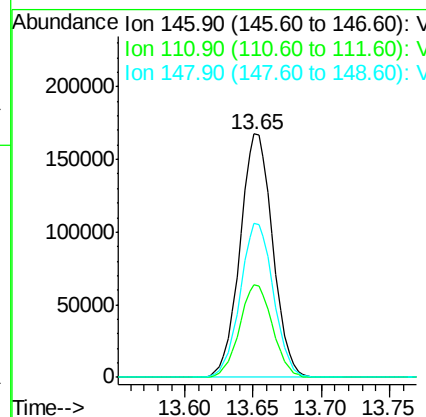
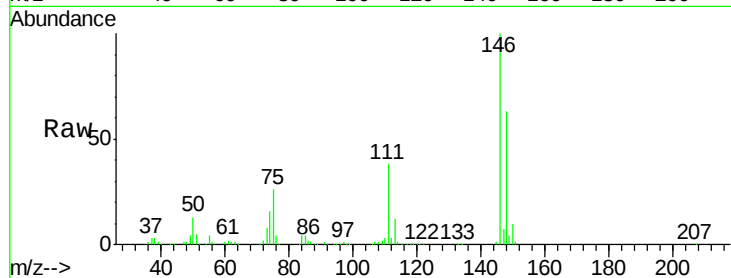
#91
 1,2-Dichlorobenzene
 Concen: 20.749 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.2	31.9	95.9

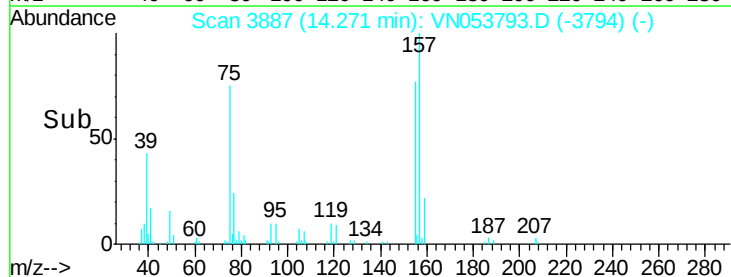
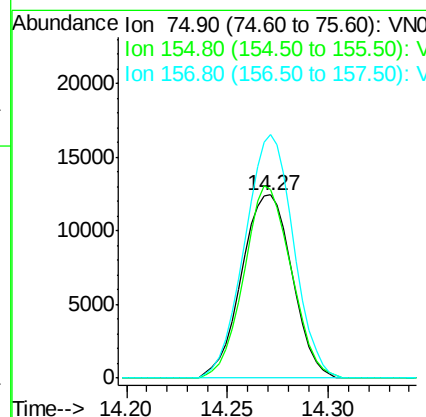
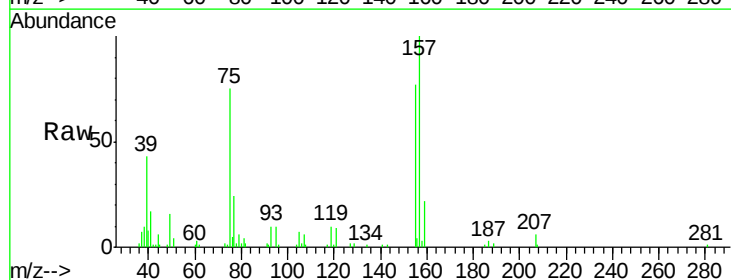
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.107 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.9	146.7
157	128.5	63.7	191.3





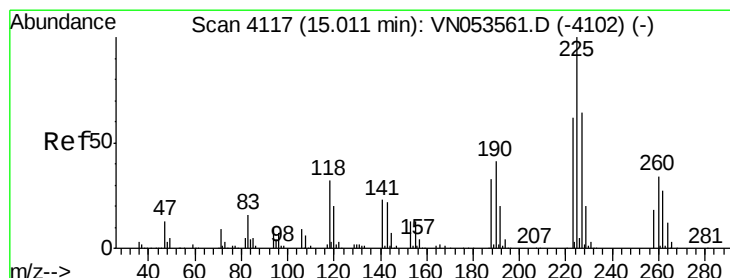
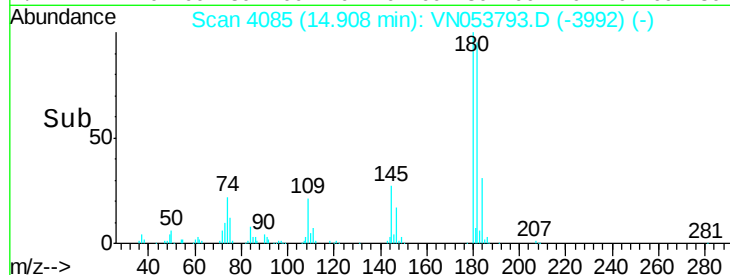
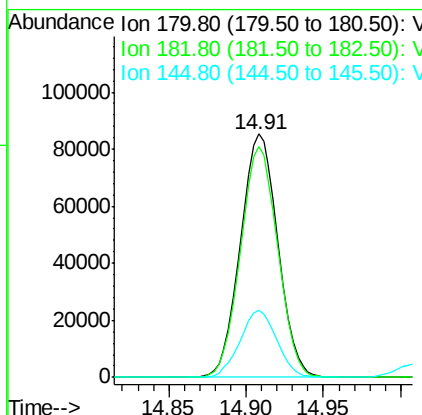
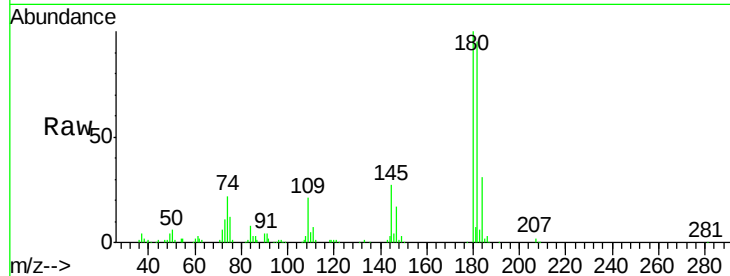
#93
 1,2,4-Trichlorobenzene
 Concen: 18.667 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0215WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143605		
182	94.3	48.1	144.3	
145	27.1	13.9	41.6	

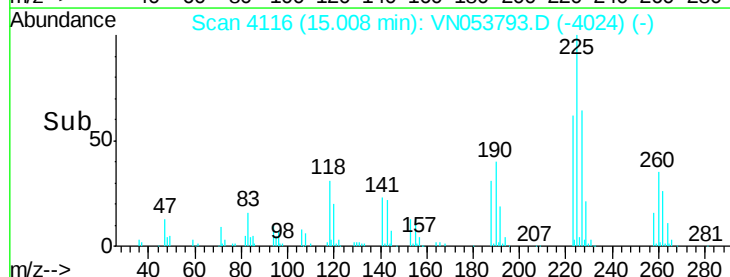
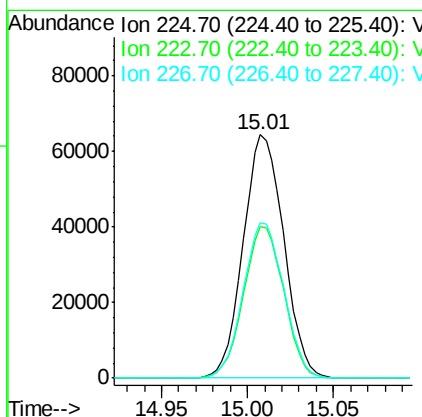
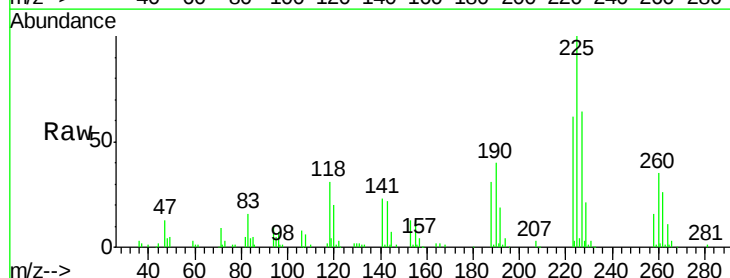
Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:12 AM



#94
 Hexachlorobutadiene
 Concen: 22.030 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053793.D
 Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105543		
223	61.6	31.1	93.2	
227	63.8	32.0	96.2	





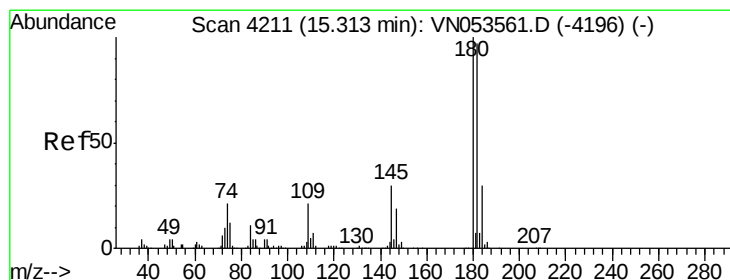
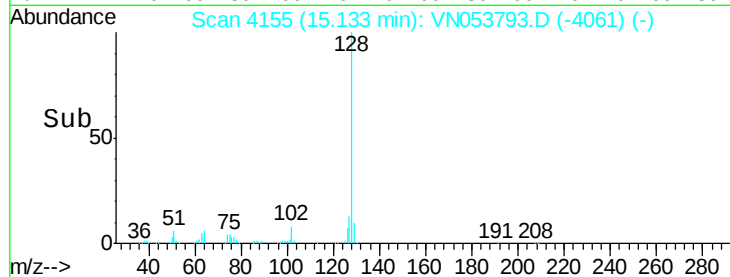
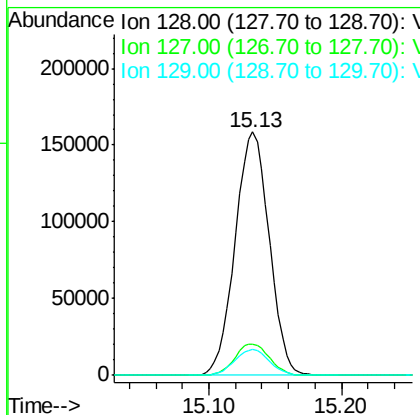
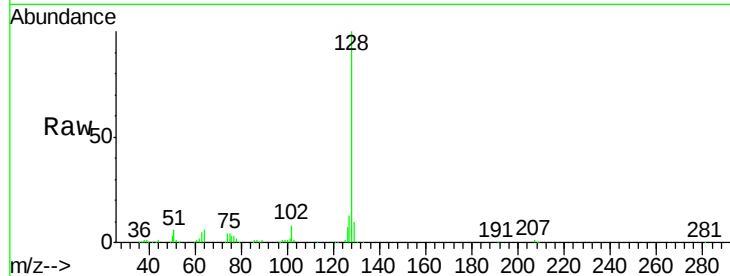
#95
Naphthalene
Concen: 16.878 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0215WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.988 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053793.D
Acq: 15 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	29.6	14.7	44.1

