

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057070.D
 Acq On : 5 Aug 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:43 AM

Quant Time: Aug 06 01:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	465959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	602666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	219354	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
35) Dibromofluoromethane	7.58	113	203370	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.08	98	757167	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.40	95	256884	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250684	53.217	ug/l	100
3) Chloromethane	2.05	50	263513	46.716	ug/l	99
4) Vinyl Chloride	2.18	62	248830	47.046	ug/l	99
5) Bromomethane	2.54	94	152254	46.304	ug/l	98
6) Chloroethane	2.68	64	139960	48.003	ug/l	99
7) Trichlorofluoromethane	3.00	101	367724	53.112	ug/l	100
8) Diethyl Ether	3.40	74	135740	52.386	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	225163	52.455	ug/l	99
10) Methyl Iodide	3.94	142	230401	40.169	ug/l	99
11) Tert butyl alcohol	4.77	59	156190	242.261	ug/l	100
12) 1,1-Dichloroethene	3.72	96	210025	51.279	ug/l	98
13) Acrolein	3.59	56	68755	207.466	ug/l	96
14) Allyl chloride	4.30	41	337078	50.594	ug/l	98
15) Acrylonitrile	4.97	53	482953	255.440	ug/l	100
16) Acetone	3.80	43	476126	275.540	ug/l	99
17) Carbon Disulfide	4.04	76	506374	46.527	ug/l	99
18) Methyl Acetate	4.31	43	267604	48.546	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	651638	53.358	ug/l	99
20) Methylene Chloride	4.53	84	243185	48.857	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	221140	50.839	ug/l	100
22) Diisopropyl ether	5.93	45	707001	51.504	ug/l	99
23) Vinyl Acetate	5.88	43	2417333	254.163	ug/l	99
24) 1,1-Dichloroethane	5.83	63	419261	51.766	ug/l	100
25) 2-Butanone	6.82	43	623265	254.366	ug/l	99
26) 2,2-Dichloropropane	6.81	77	323161	52.475	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	263335	51.185	ug/l	99
28) Bromochloromethane	7.18	49	180324	47.367	ug/l	98
29) Tetrahydrofuran	7.20	42	386022	241.465	ug/l	99
30) Chloroform	7.36	83	422795	51.057	ug/l	98
31) Cyclohexane	7.64	56	365565	46.643	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	354860	53.708	ug/l	99
36) 1,1-Dichloropropene	7.78	75	308060	52.071	ug/l	100
37) Ethyl Acetate	6.91	43	232797	49.130	ug/l	99
38) Carbon Tetrachloride	7.76	117	310568	55.497	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383603	50.732	ug/l	99
40) Benzene	8.03	78	949008	52.080	ug/l	99
41) Methacrylonitrile	7.16	41	114852	52.432	ug/l	94
42) 1,2-Dichloroethane	8.11	62	307935	53.920	ug/l	99
43) Isopropyl Acetate	8.15	43	395890	50.550	ug/l	98
44) Trichloroethene	8.82	130	267252	53.236	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255690	52.460	ug/l	98
46) Dibromomethane	9.20	93	159995	54.432	ug/l	97
47) Bromodichloromethane	9.39	83	322769	55.851	ug/l	99
48) Methyl methacrylate	9.19	41	194773	51.512	ug/l	97
49) 1,4-Dioxane	9.19	88	82494	1058.693	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1191128	255.976	ug/l	100
52) Toluene	10.15	92	591482	54.027	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	332483	55.441	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	381301	54.684	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	234525	53.416	ug/l	99
56) Ethyl methacrylate	10.42	69	325299	49.094	ug/l	99
57) 1,3-Dichloropropane	10.70	76	392110	53.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	537544	204.311	ug/l	98
59) 2-Hexanone	10.74	43	860438	240.211	ug/l	100
60) Dibromochloromethane	10.90	129	257926	57.341	ug/l	98
61) 1,2-Dibromoethane	11.00	107	235060	54.861	ug/l	99
64) Tetrachloroethene	10.62	164	276856	53.309	ug/l	97
65) Chlorobenzene	11.43	112	656464	53.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	252803	54.682	ug/l	98
67) Ethyl Benzene	11.50	91	1151397	54.237	ug/l	100
68) m/p-Xylenes	11.62	106	855279	109.165	ug/l	99
69) o-Xylene	11.94	106	415552	54.214	ug/l	100
70) Styrene	11.96	104	699288	51.555	ug/l	99
71) Bromoform	12.12	173	186171	57.678	ug/l #	99
73) Isopropylbenzene	12.24	105	1133714	50.434	ug/l	100
74) N-amyl acetate	12.07	43	317059	48.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	296550	52.311	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	243170m	46.036	ug/l	
77) Bromobenzene	12.52	156	300324	51.190	ug/l	97
78) n-propylbenzene	12.59	91	1232562	51.353	ug/l	99
79) 2-Chlorotoluene	12.67	91	739604	50.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954903	51.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82337	50.083	ug/l	98
82) 4-Chlorotoluene	12.77	91	718593	51.956	ug/l	99
83) tert-Butylbenzene	12.99	119	842239	51.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	937611	52.817	ug/l	100
85) sec-Butylbenzene	13.17	105	1090068	51.745	ug/l	100
86) p-Isopropyltoluene	13.29	119	989936	52.929	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	468248	52.470	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	452344	52.652	ug/l	100
89) n-Butylbenzene	13.61	91	766298	53.161	ug/l	99
90) Hexachloroethane	13.87	117	165913	51.517	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	464462	52.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44899	50.219	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	199152	44.281	ug/l	99
94) Hexachlorobutadiene	15.00	225	180312	59.395	ug/l	97
95) Naphthalene	15.12	128	486262	44.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224299	49.029	ug/l	99

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

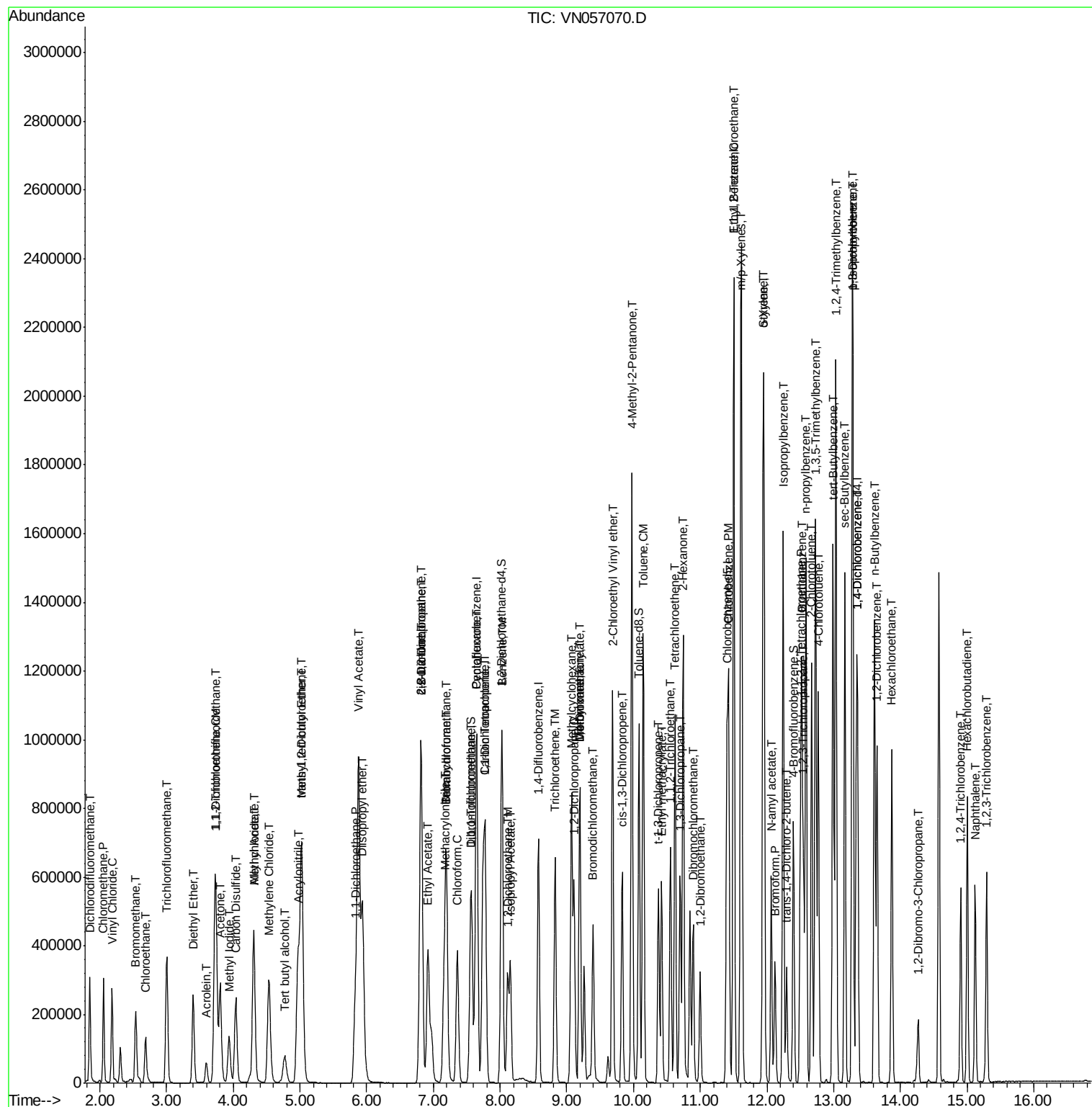
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
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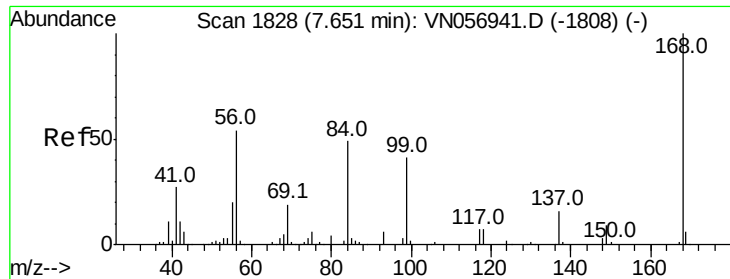
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 465959

Ion Ratio Lower Upper

168 100

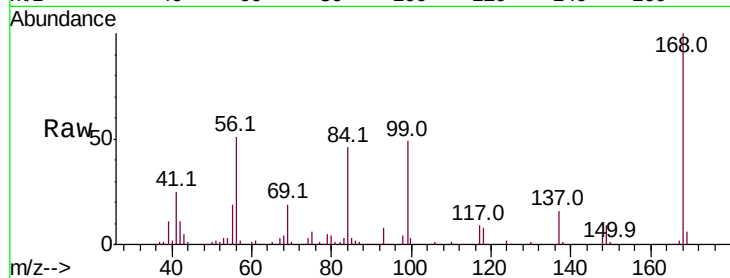
99 49.0 39.0 58.4

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

7.65

200000

150000

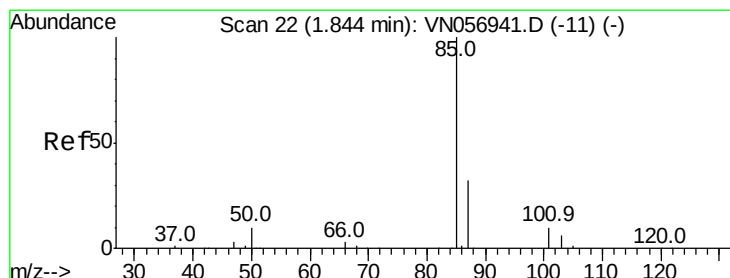
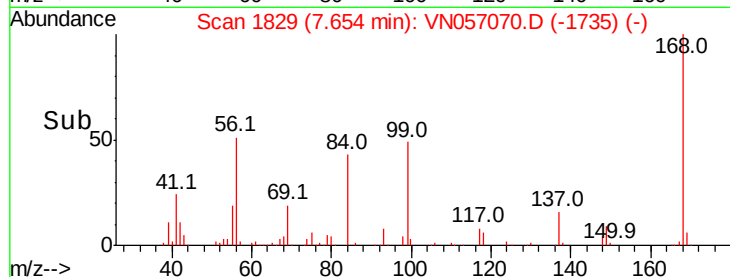
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 53.217 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057070.D

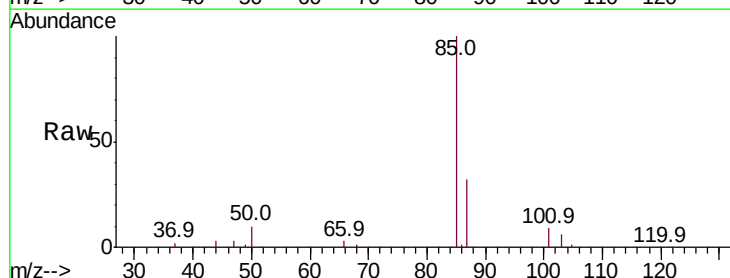
Acq: 5 Aug 2019 9:27

Tgt Ion: 85 Resp: 250684

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

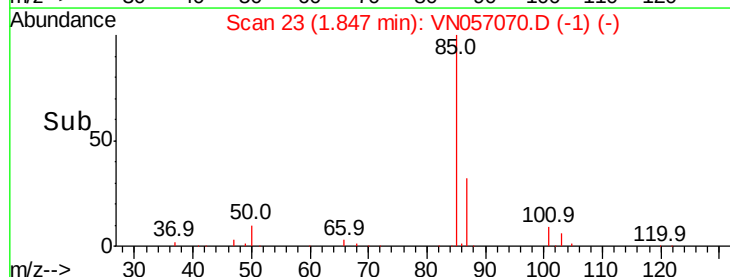
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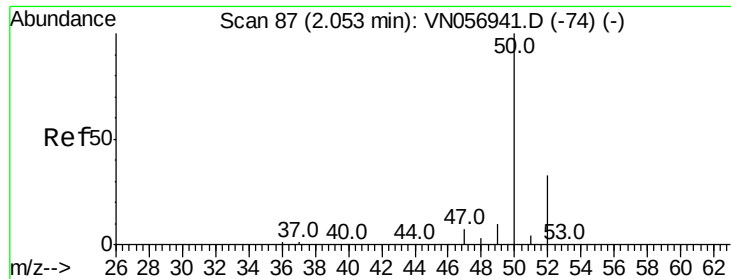
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.716 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263513

Ion Ratio Lower Upper

50 100

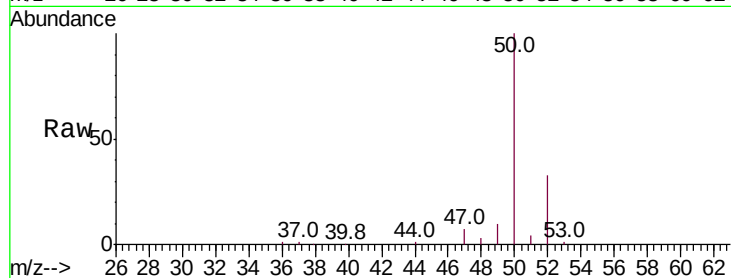
52 33.0 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

200000

150000

100000

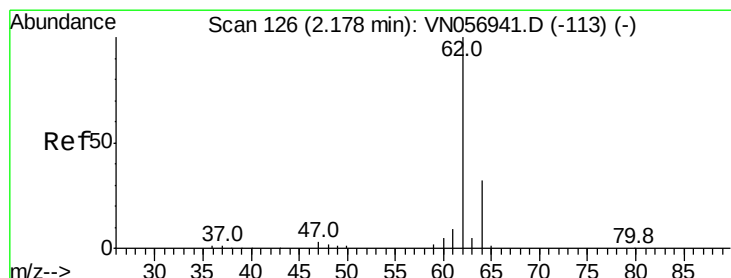
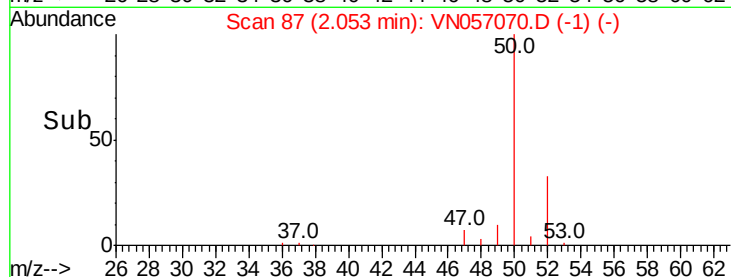
50000

0

2.05

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 47.046 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057070.D

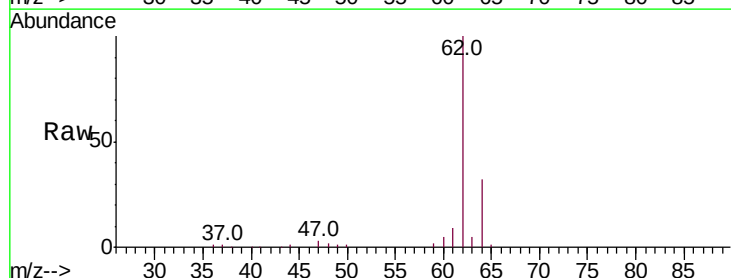
Acq: 5 Aug 2019 9:27

Tgt Ion: 62 Resp: 248830

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

200000

150000

100000

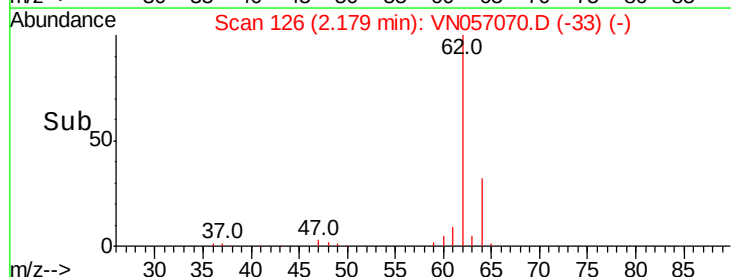
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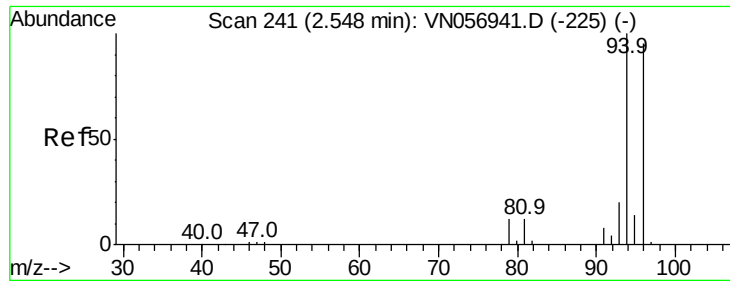
0

2.18

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 46.304 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 152254

Ion Ratio Lower Upper

94 100

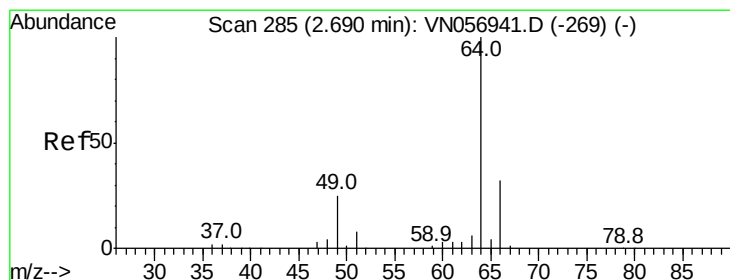
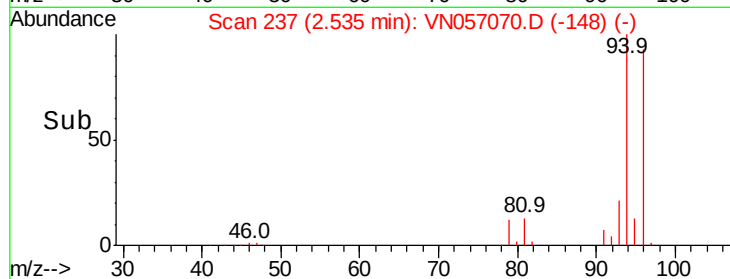
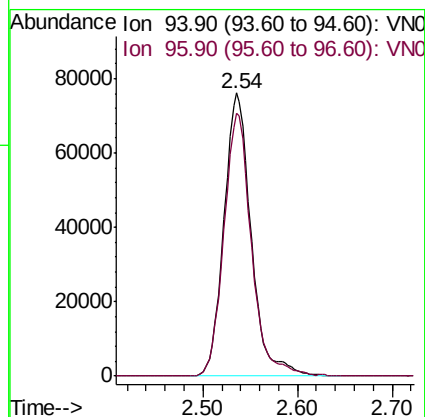
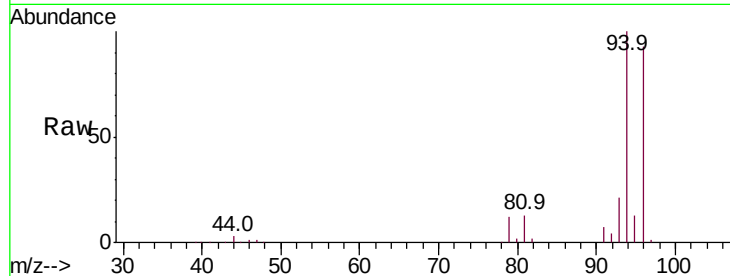
96 93.1 76.2 114.2

Manual Integrations

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8/7/2019 4:09:43 AM



#6

Chloroethane

Concen: 48.003 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057070.D

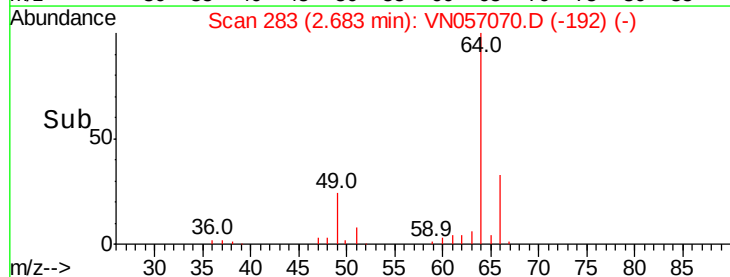
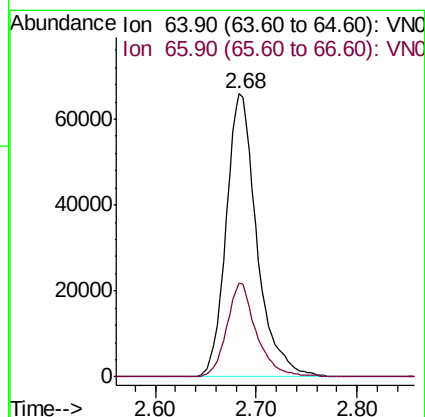
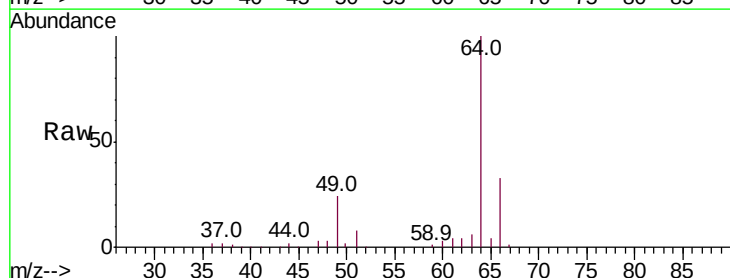
Acq: 5 Aug 2019 9:27

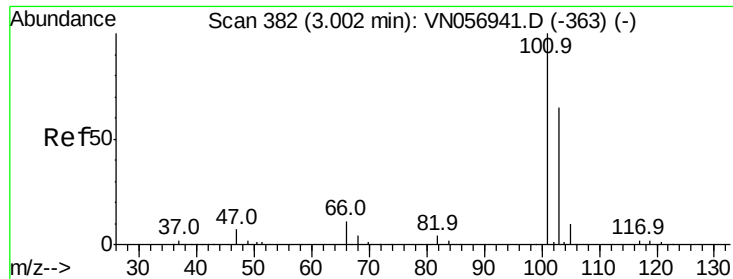
Tgt Ion: 64 Resp: 139960

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.8





#7

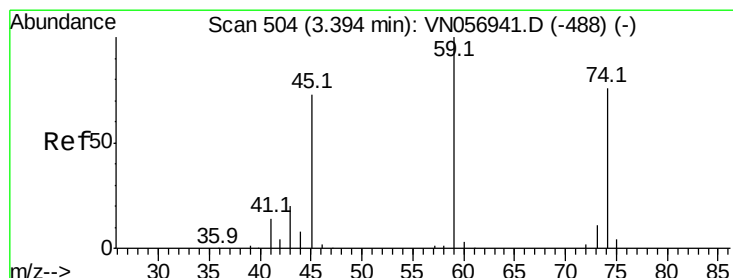
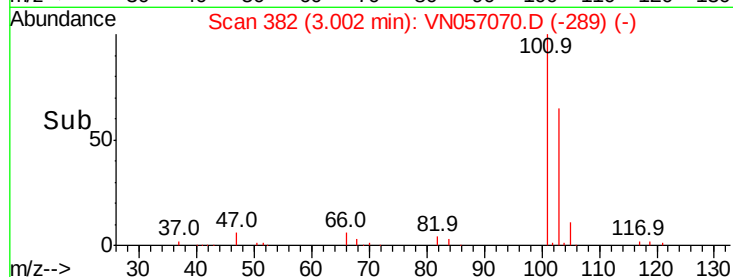
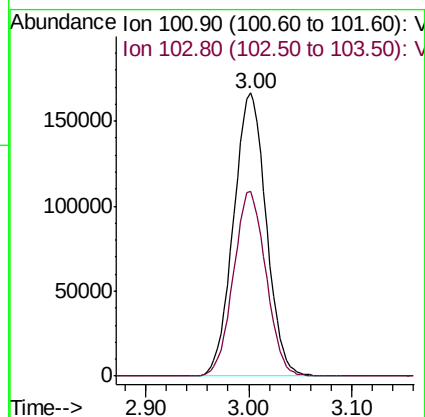
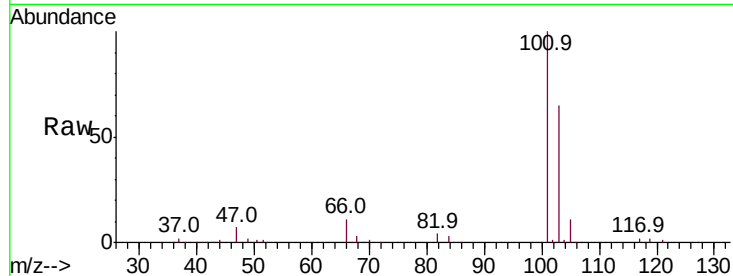
Trichlorofluoromethane
Concen: 53.112 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 367724
Ion Ratio Lower Upper
101 100
103 65.2 52.1 78.1

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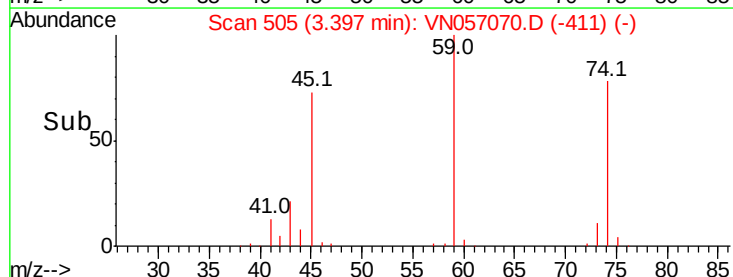
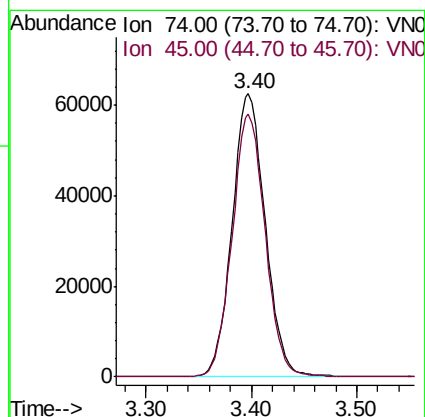
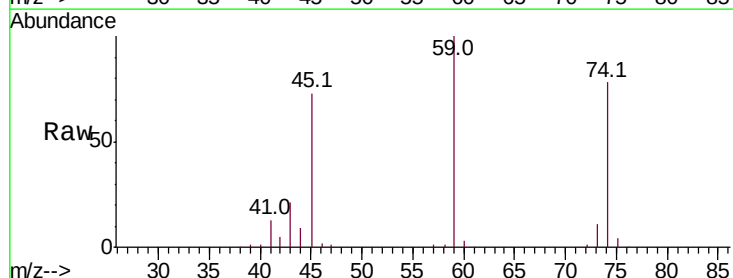
MMDadoda
8/7/2019 4:09:43 AM

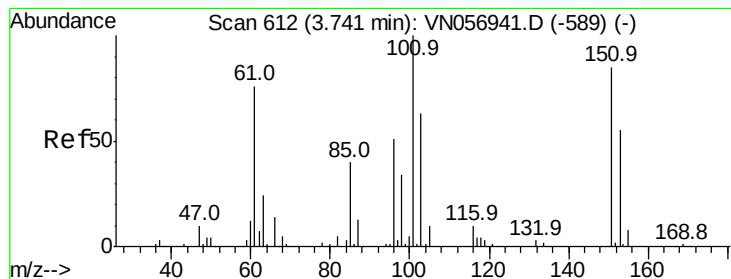


#8

Diethyl Ether
Concen: 52.386 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 74 Resp: 135740
Ion Ratio Lower Upper
74 100
45 92.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.455 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

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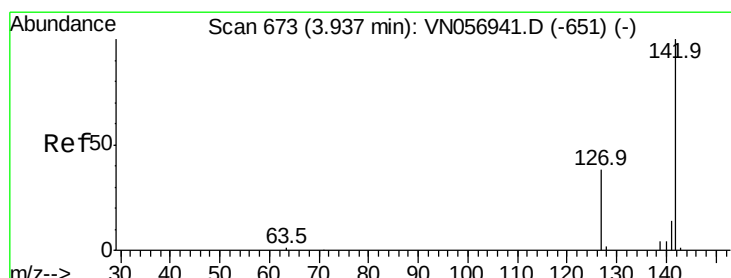
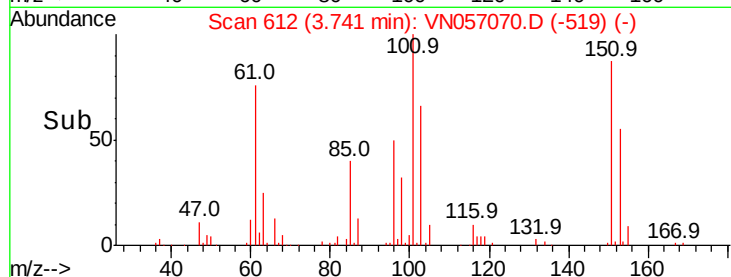
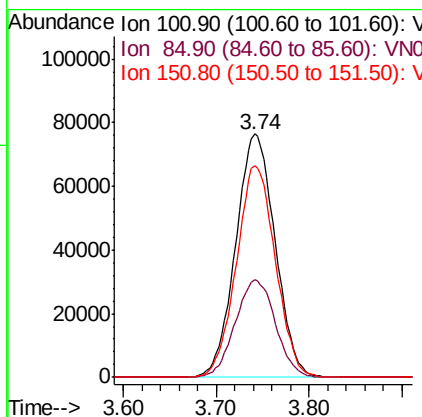
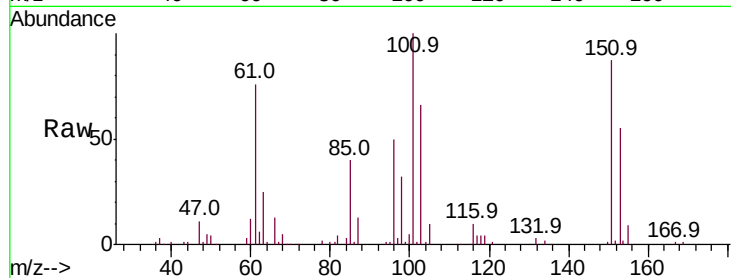
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	225163
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.3	48.5
151	86.4	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 40.169 ug/l

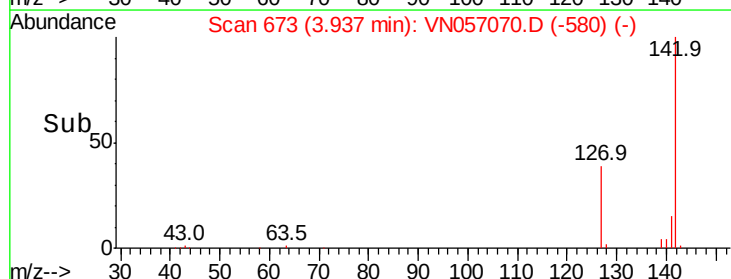
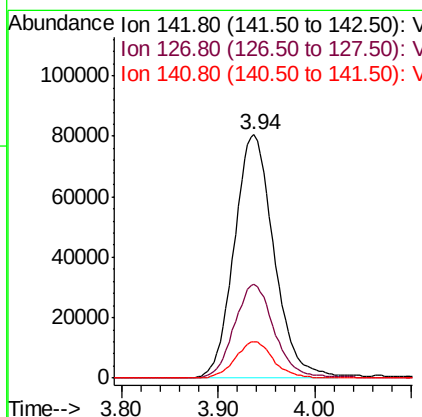
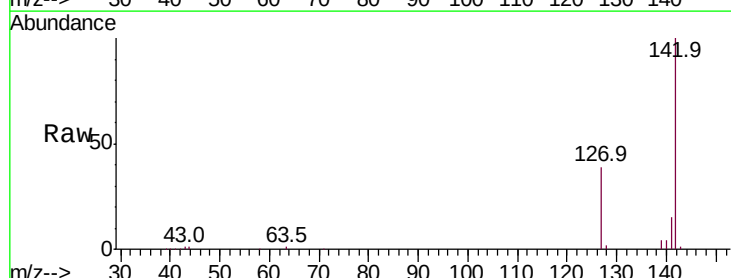
RT: 3.94 min Scan# 673

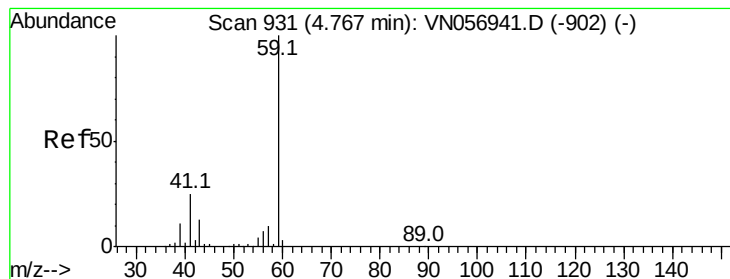
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	142	Resp:	230401
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.4	45.6
141	14.4	11.1	16.7





#11

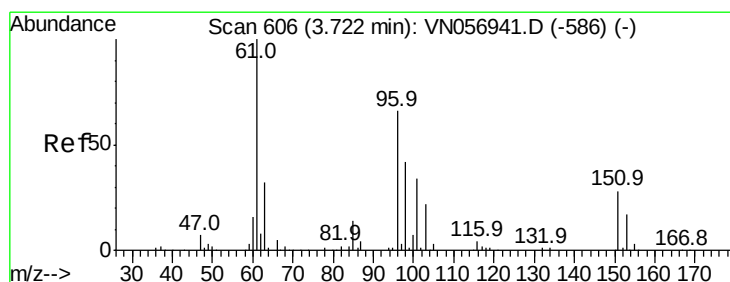
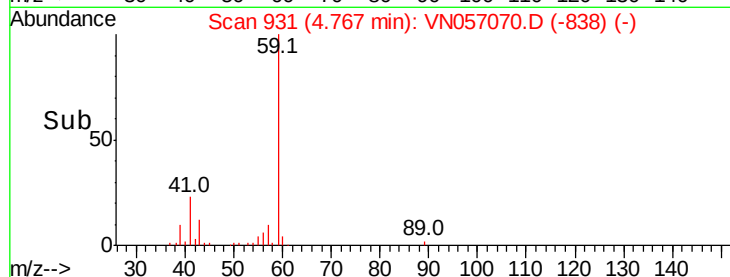
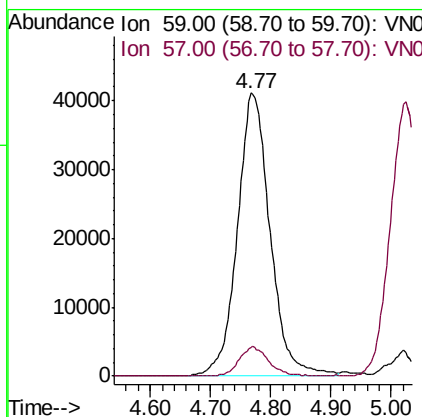
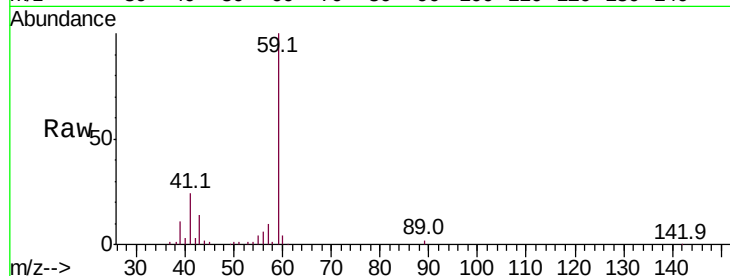
Tert butyl alcohol
 Concen: 242.261 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	156190
Ion Ratio	100	Lower	Upper
57	9.3	7.5	11.3

Manual Integrations
 APPROVED

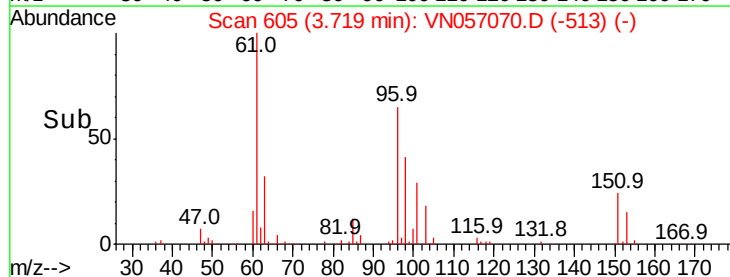
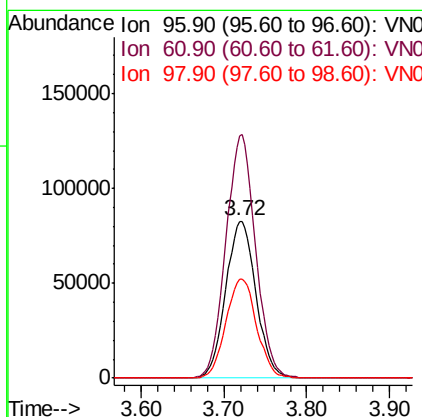
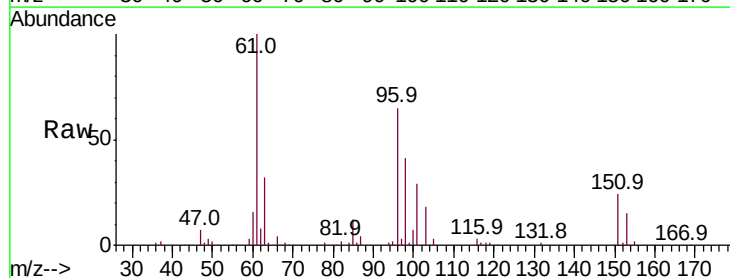
MMDadoda
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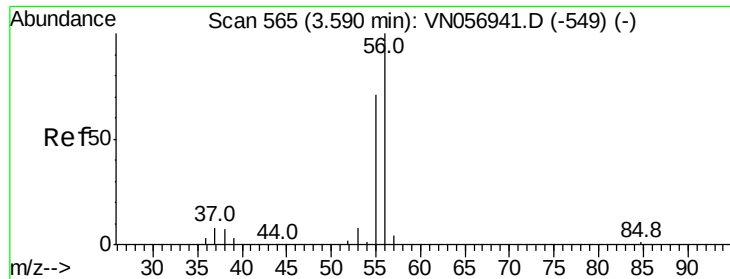


#12

1,1-Dichloroethene
 Concen: 51.279 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	96	Resp	210025
Ion Ratio	100	Lower	Upper
61	154.7	121.8	182.8
98	62.8	51.7	77.5





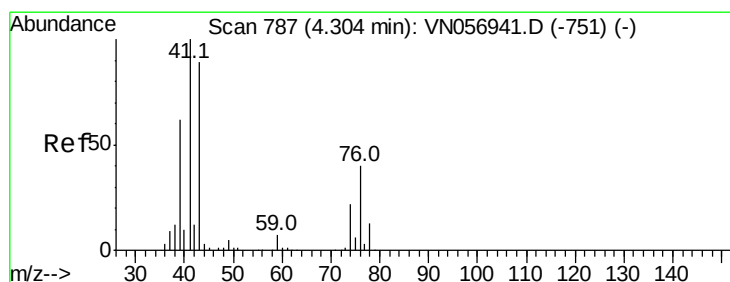
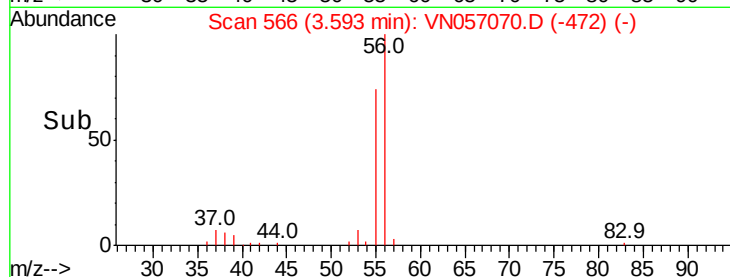
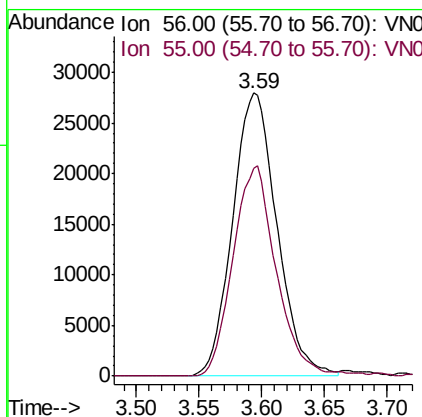
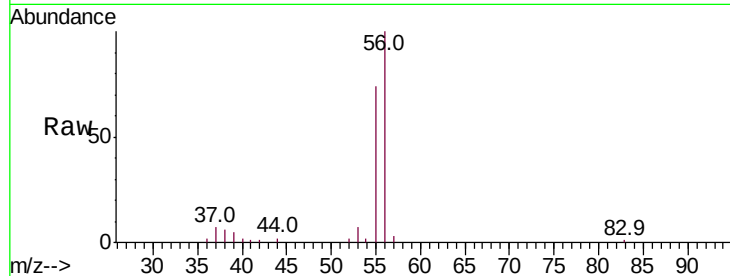
#13
Acrolein
Concen: 207.466 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	68755
Ion Ratio	100	Lower	Upper
55	72.7	55.8	83.6

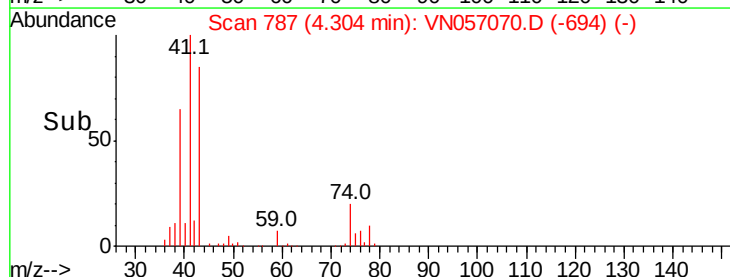
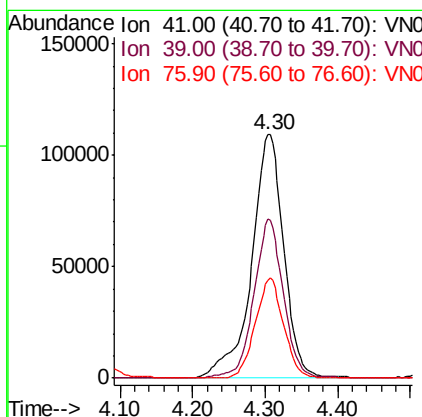
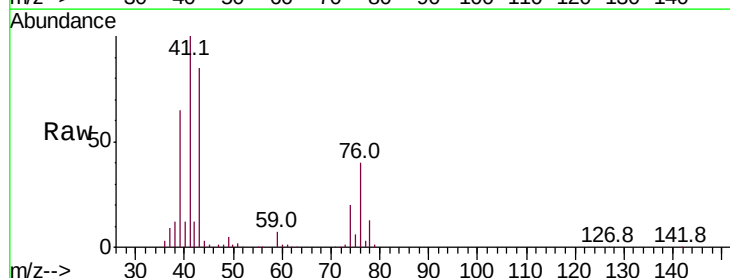
Manual Integrations
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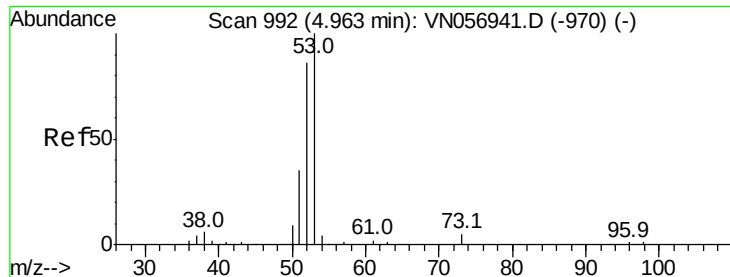
MMDadoda
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#14
Allyl chloride
Concen: 50.594 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	41	Resp	337078
Ion Ratio	100	Lower	Upper
39	59.7	46.4	69.6
76	36.1	28.4	42.6





#15

Acrylonitrile

Concen: 255.440 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

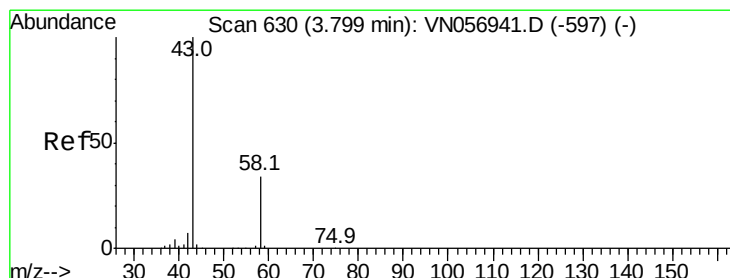
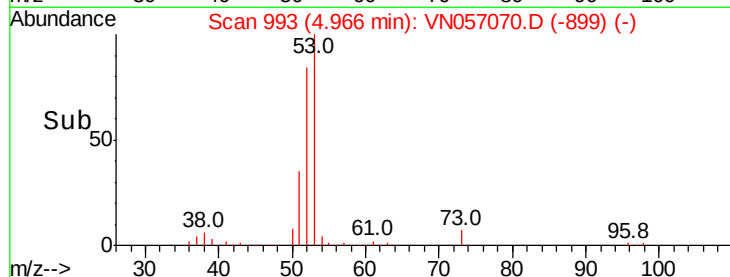
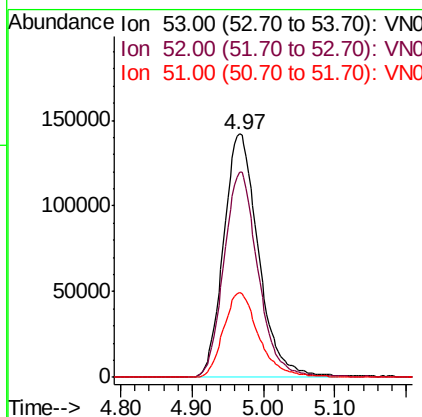
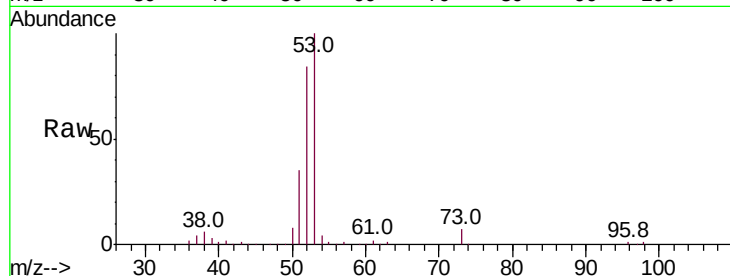
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	482953
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.5	99.7
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 275.540 ug/l

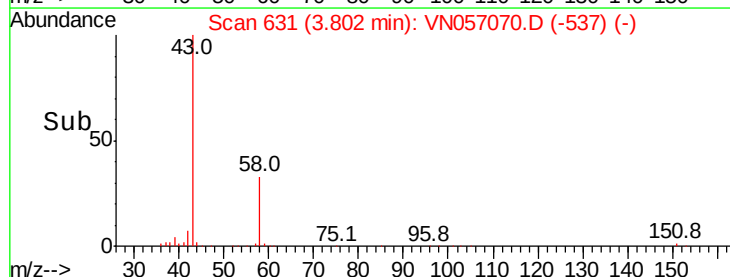
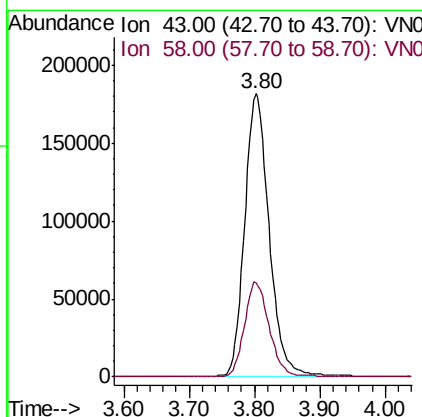
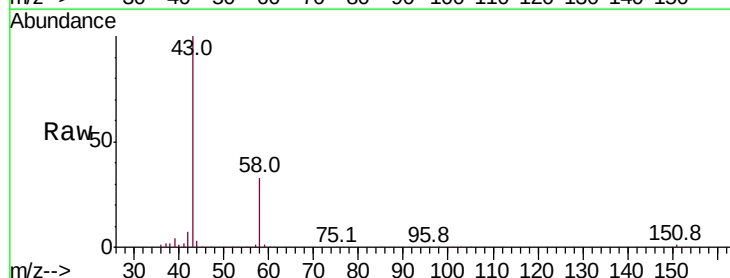
RT: 3.80 min Scan# 631

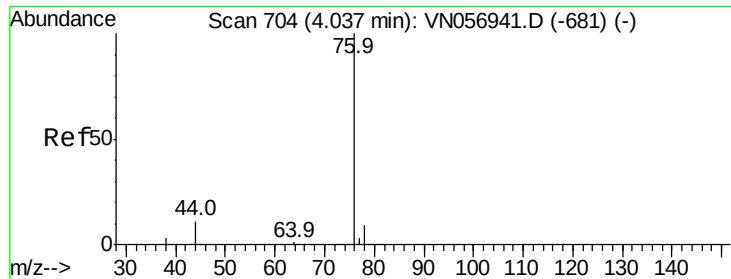
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	43	Resp:	476126
Ion Ratio	Lower	Upper	
43	100		
58	33.4	27.2	40.8





#17

Carbon Disulfide

Concen: 46.527 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 506374

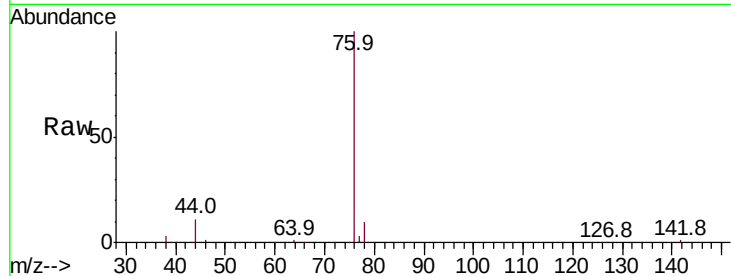
Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

200000

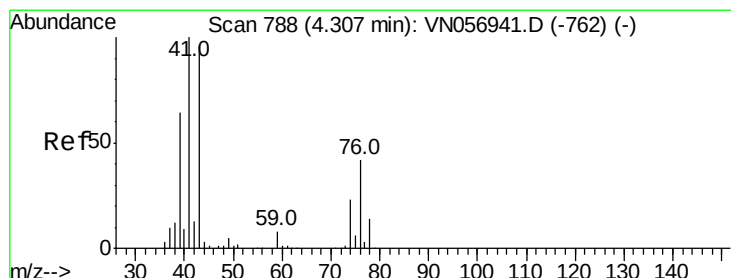
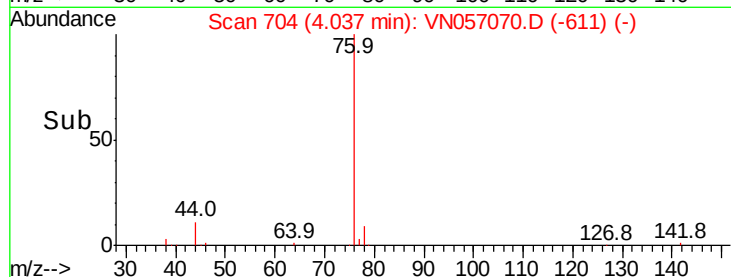
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.546 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057070.D

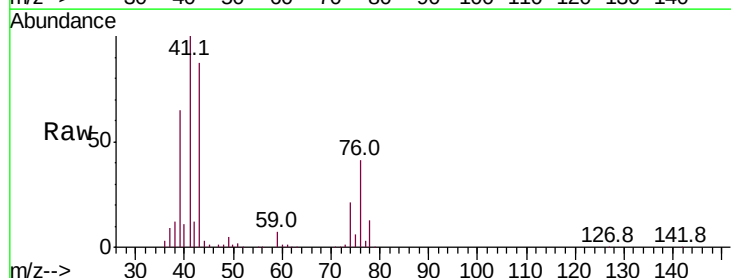
Acq: 5 Aug 2019 9:27

Tgt Ion: 43 Resp: 267604

Ion Ratio Lower Upper

43 100

74 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.31

100000

80000

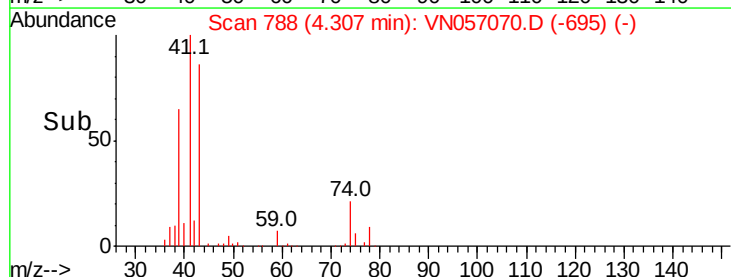
60000

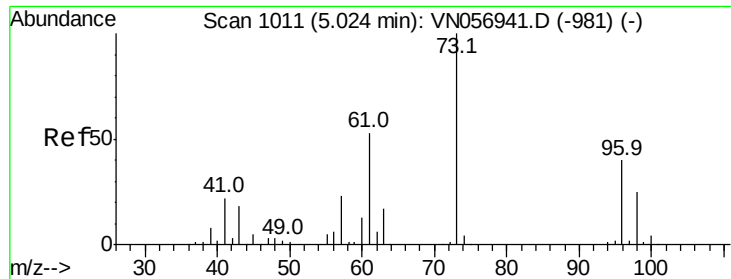
40000

20000

0

Time-->





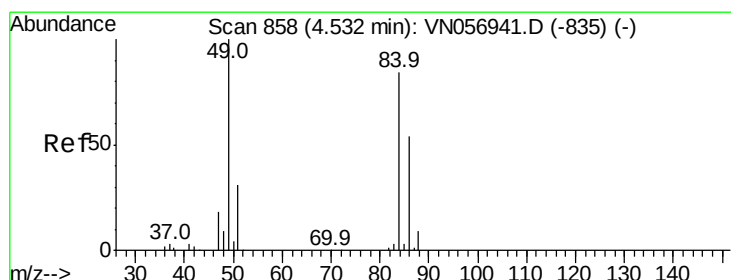
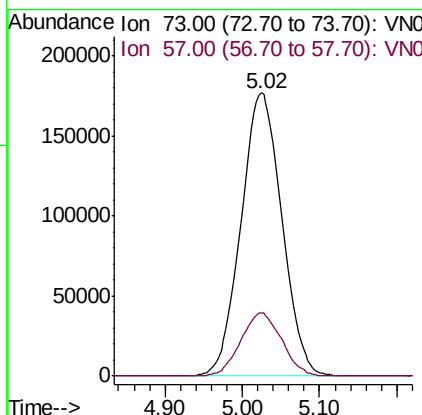
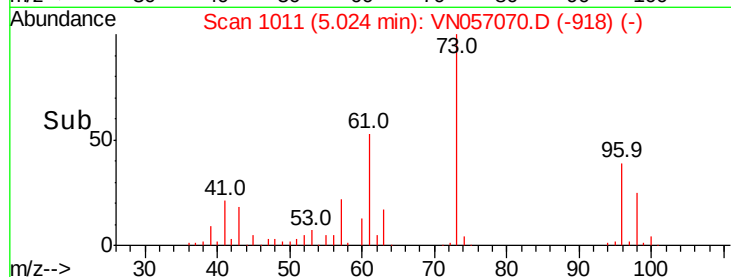
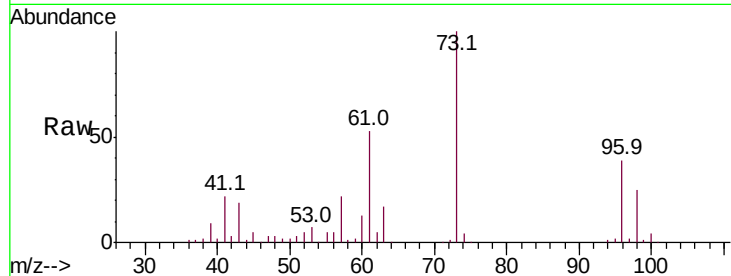
#19
Methyl tert-butyl Ether
Concen: 53.358 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 651638
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

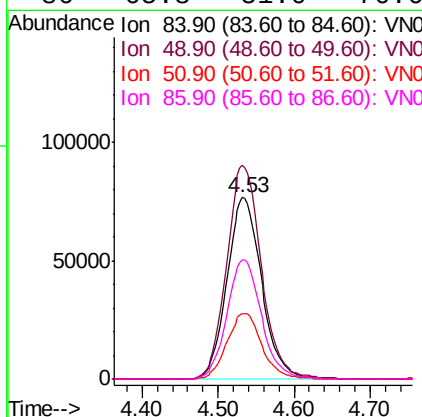
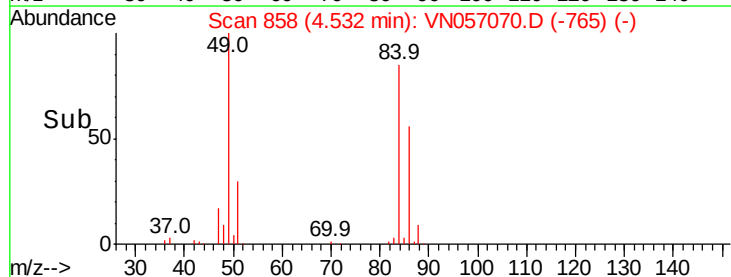
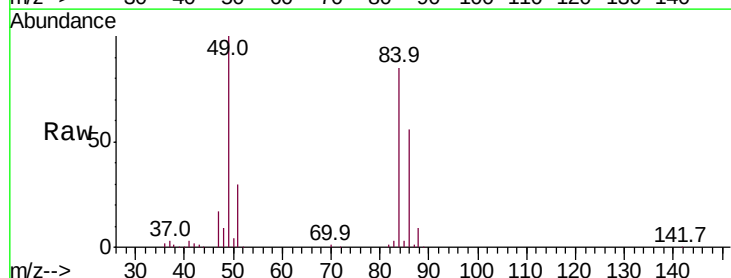
Manual Integrations
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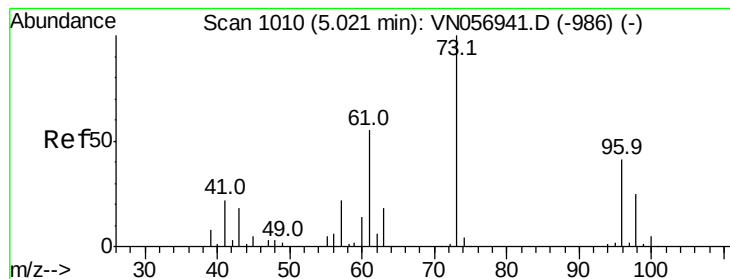
MMDadoda
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#20
Methylene Chloride
Concen: 48.857 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 84 Resp: 243185
Ion Ratio Lower Upper
84 100
49 117.8 95.2 142.8
51 35.7 29.7 44.5
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.839 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 221140

Ion Ratio Lower Upper

96 100

61 134.5 107.5 161.3

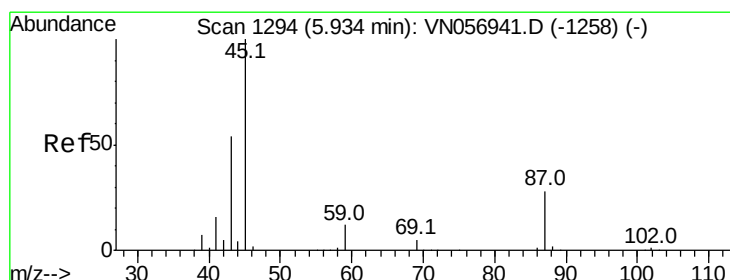
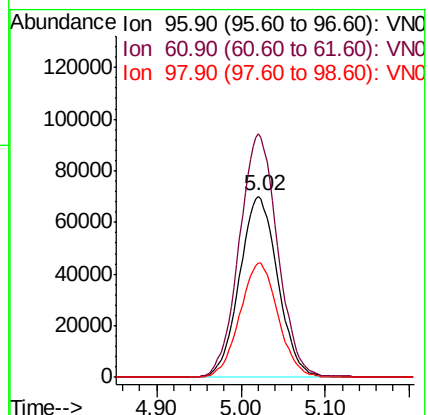
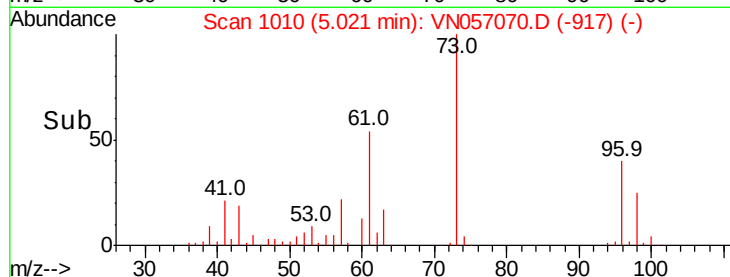
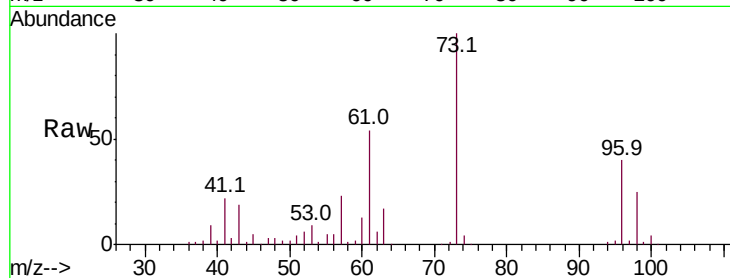
98 63.4 49.9 74.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.504 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion: 45 Resp: 707001

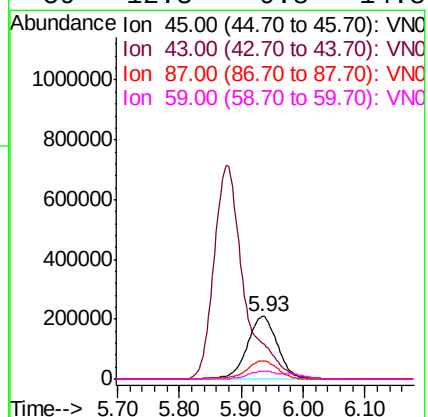
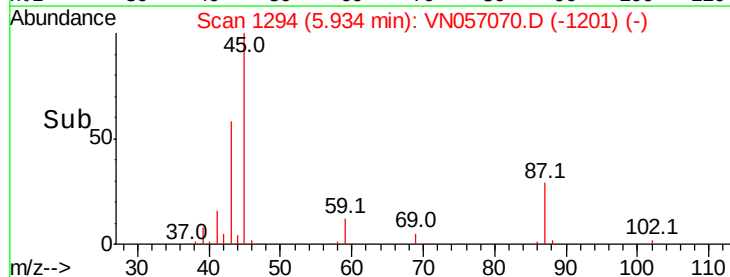
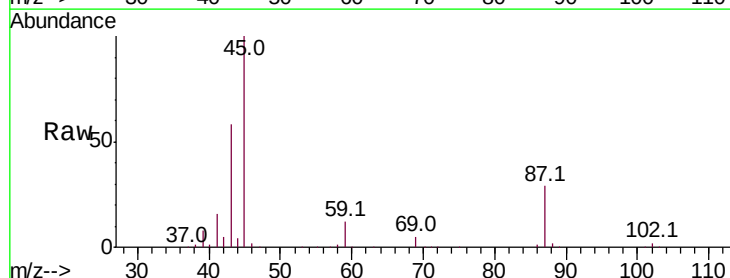
Ion Ratio Lower Upper

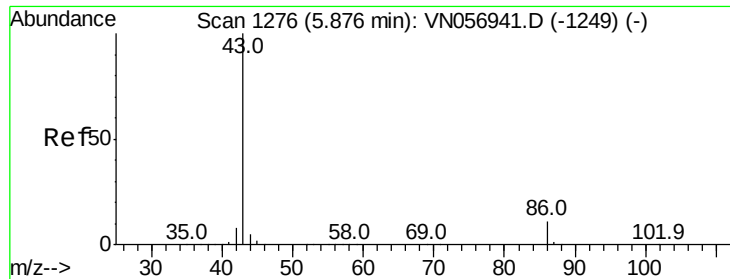
45 100

43 57.4 44.7 67.1

87 29.1 23.0 34.6

59 12.3 9.8 14.8





#23

Vinyl Acetate

Concen: 254.163 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2417333

Ion Ratio Lower Upper

43 100

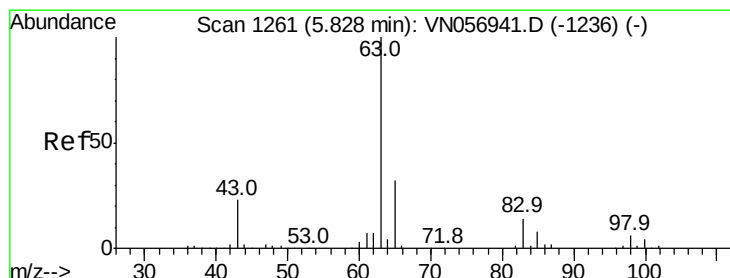
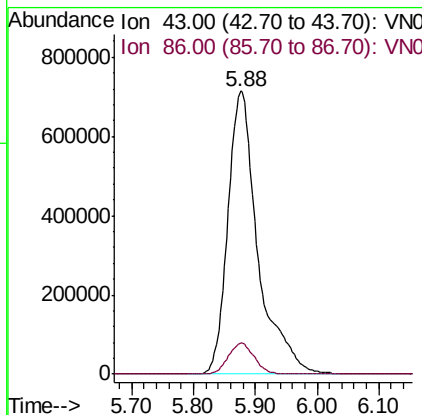
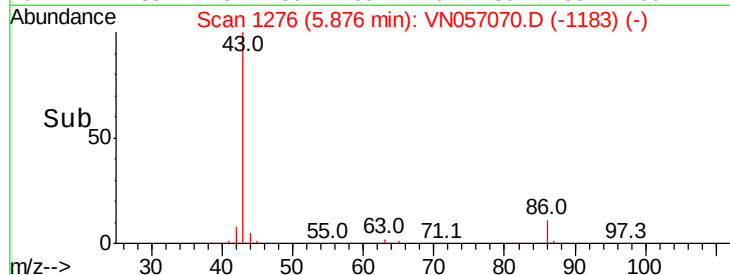
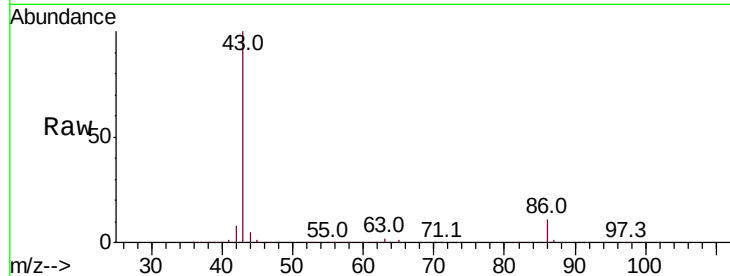
86 11.0 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.766 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

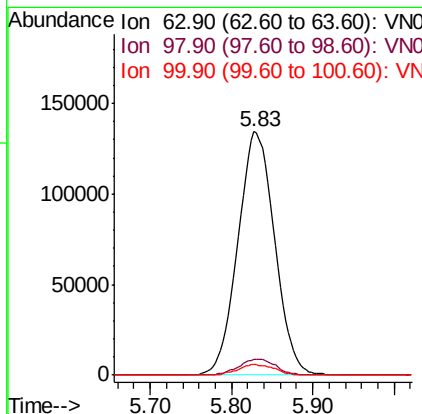
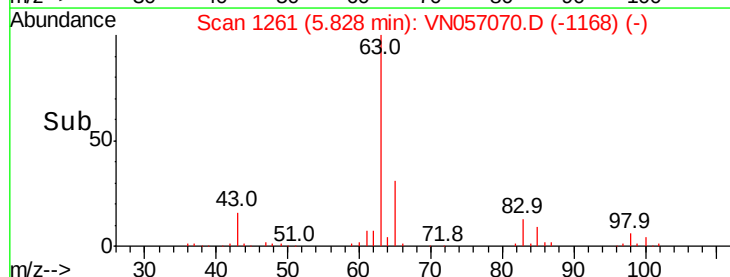
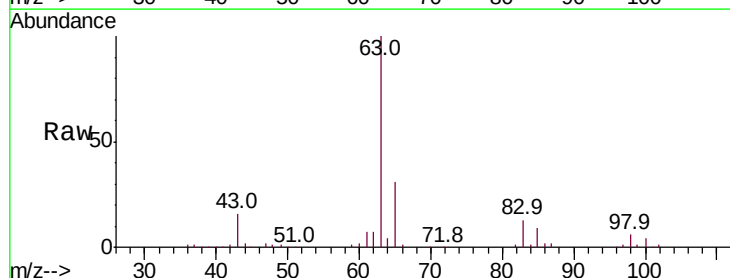
Tgt Ion: 63 Resp: 419261

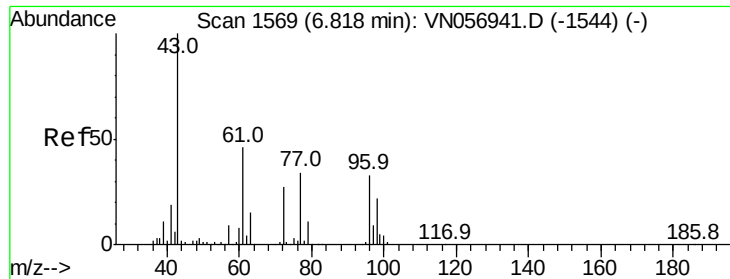
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 254.366 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 623265

Ion Ratio Lower Upper

43 100

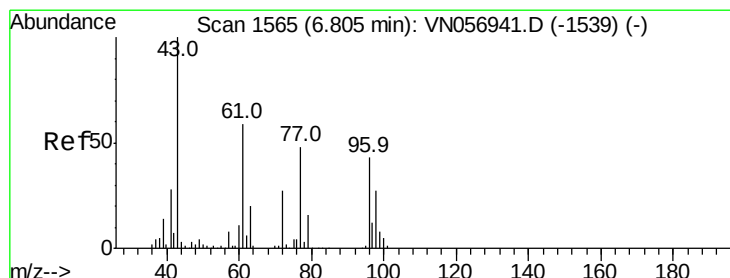
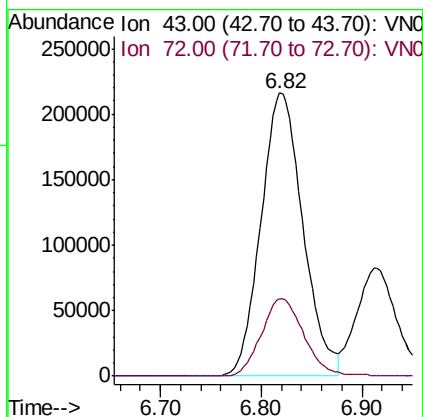
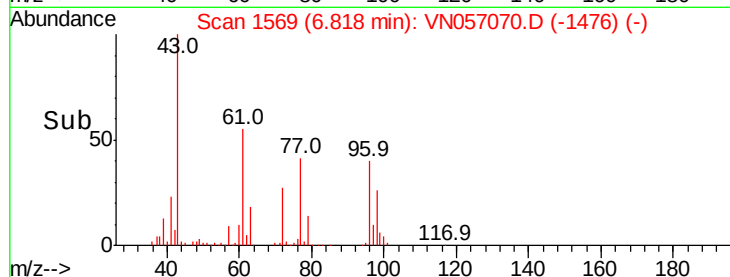
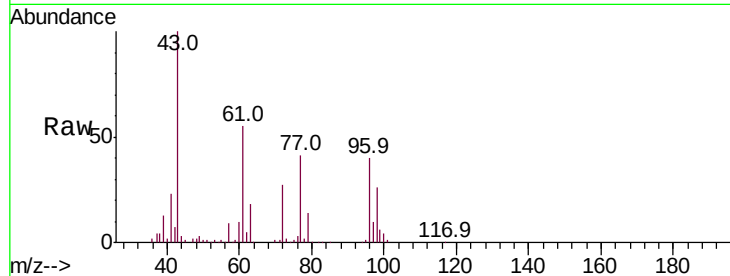
72 27.4 21.5 32.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 52.475 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057070.D

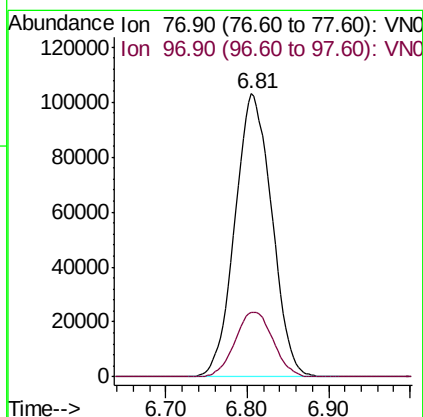
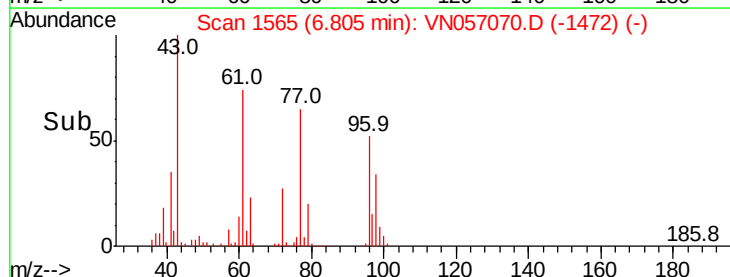
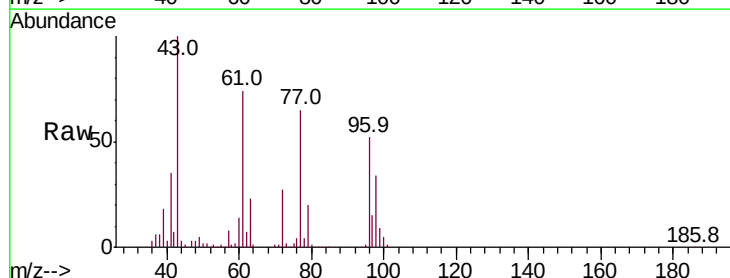
Acq: 5 Aug 2019 9:27

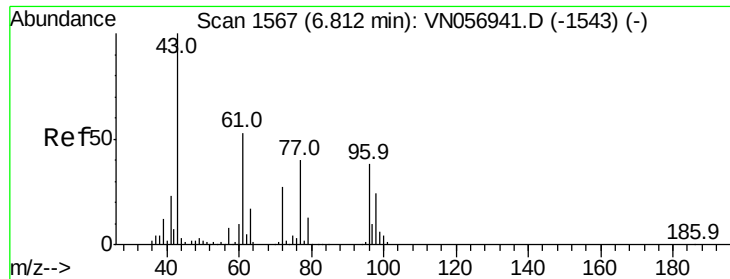
Tgt Ion: 77 Resp: 323161

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.6





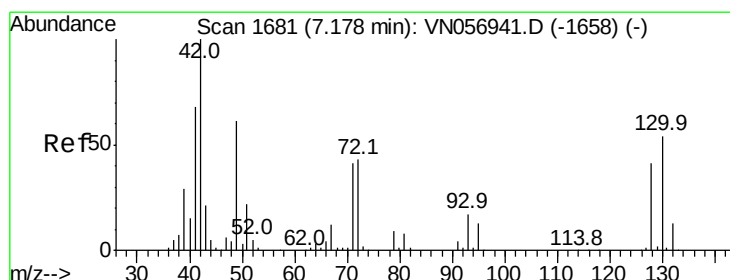
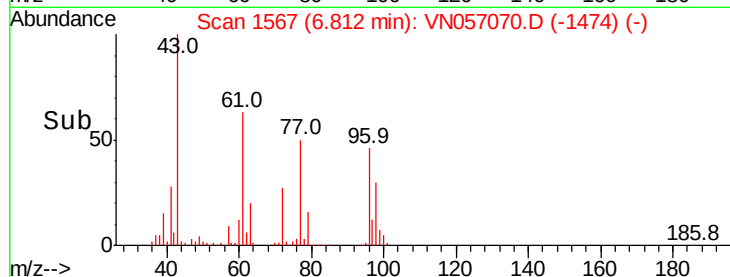
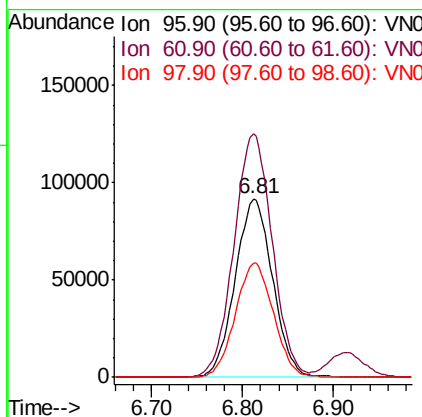
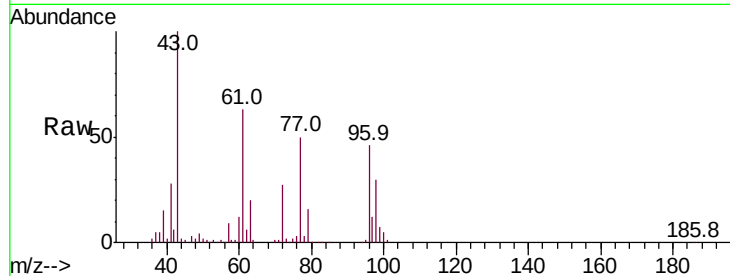
#27
 cis-1,2-Dichloroethene
 Concen: 51.185 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263335		
61	139.1	0.0	277.2	
98	65.0	0.0	128.4	

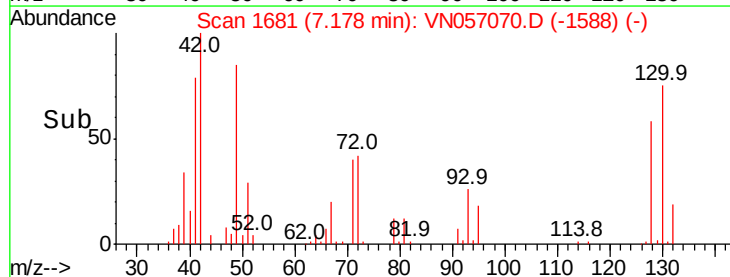
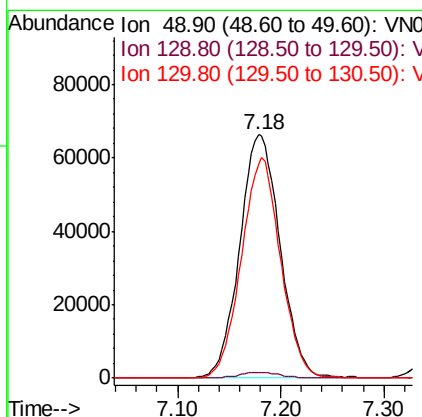
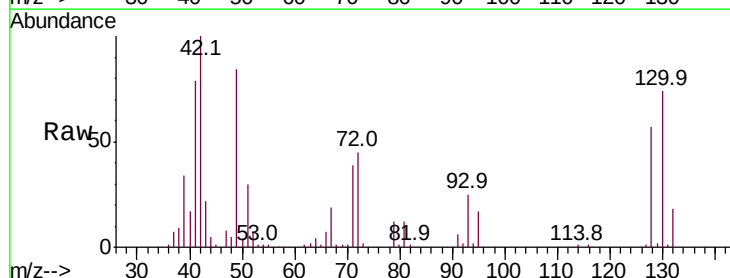
Manual Integrations
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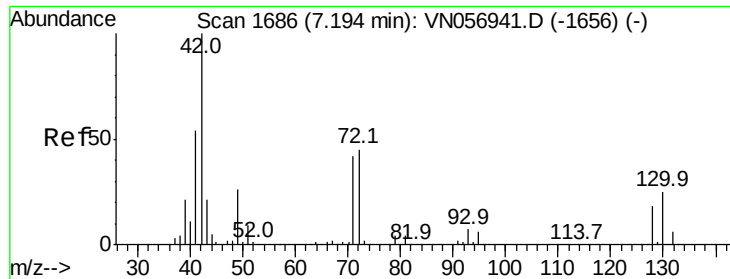
MMDadoda
 8/7/2019 4:09:43 AM



#28
 Bromochloromethane
 Concen: 47.367 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180324		
129	2.4	0.0	4.6	
130	87.8	69.0	103.4	





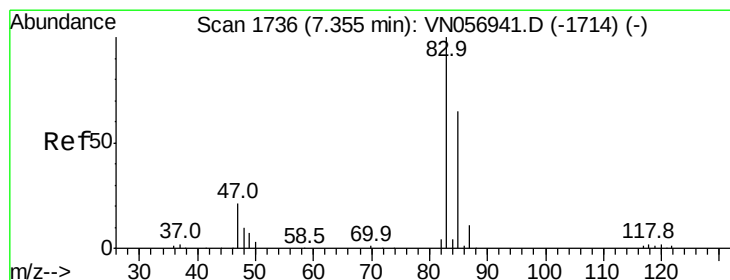
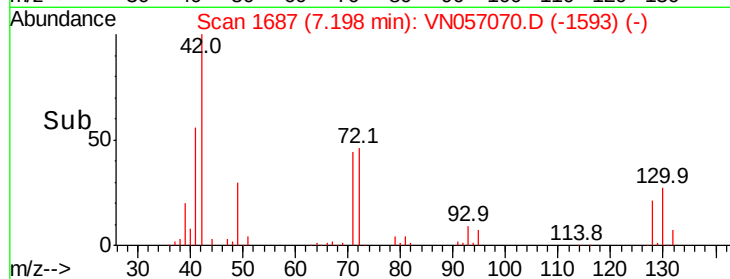
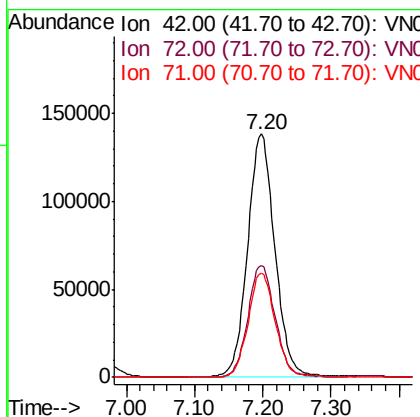
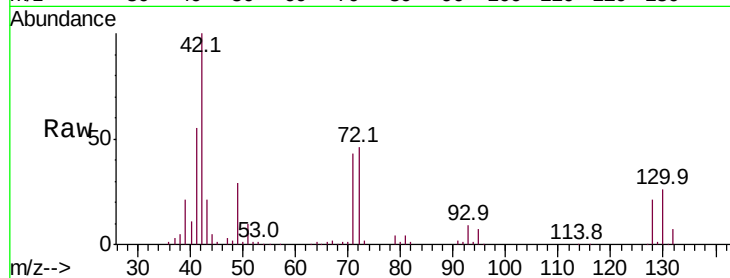
#29
Tetrahydrofuran
Concen: 241.465 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	45.8	35.6	53.4
71	42.4	33.5	50.3

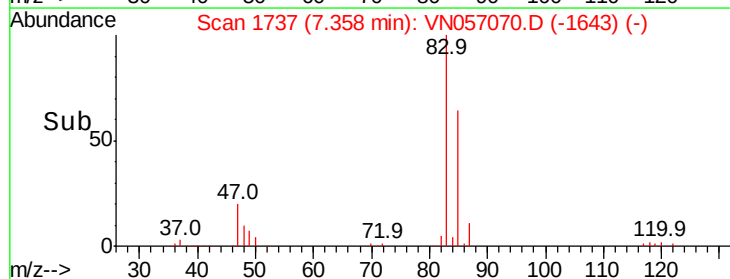
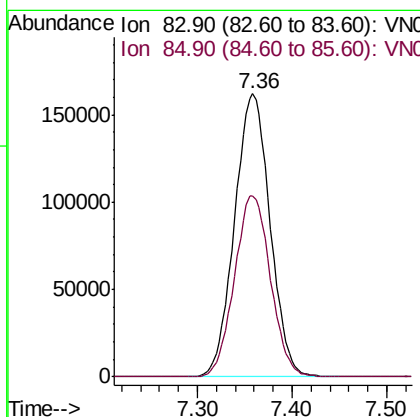
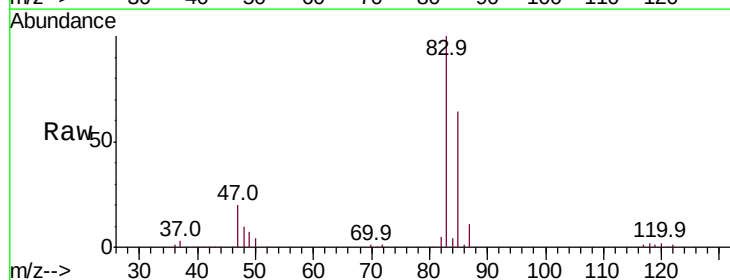
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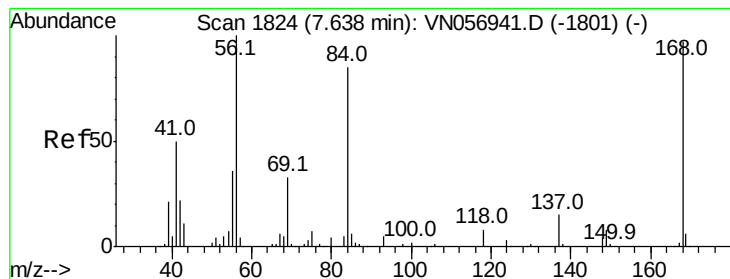
MMDadoda
8/7/2019 4:09:43 AM



#30
Chloroform
Concen: 51.057 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	63.9	52.2	78.2





#31

Cyclohexane

Concen: 46.643 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057070.D

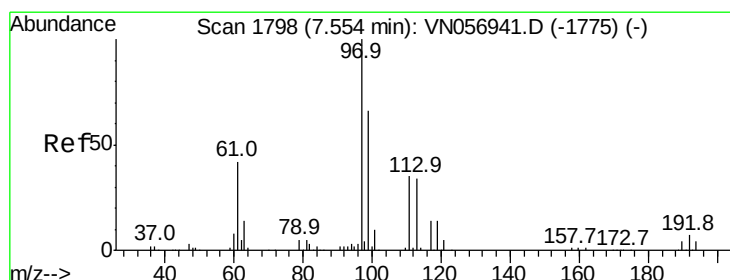
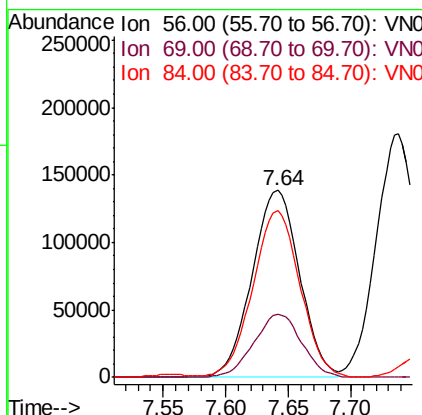
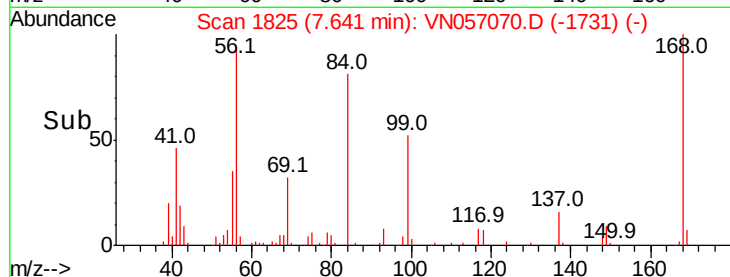
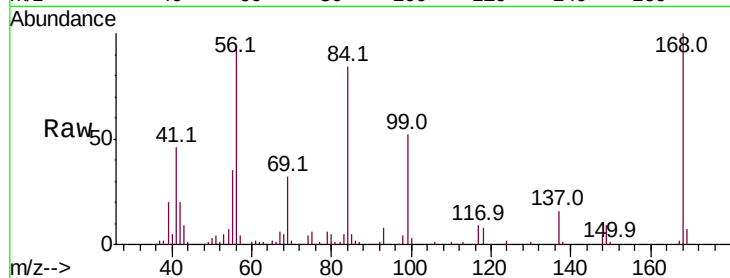
Acq: 5 Aug 2019 9:27

Tot Ion:	56	Resp:	365565
Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.2	39.2
84	87.9	68.2	102.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.708 ug/l

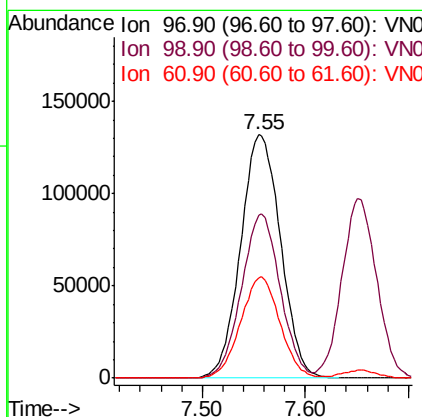
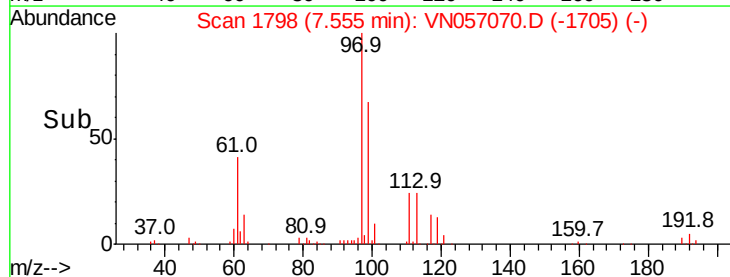
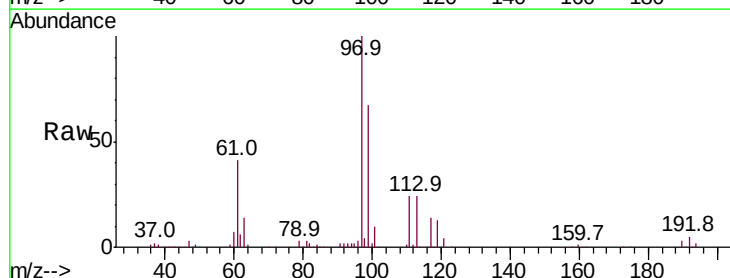
RT: 7.55 min Scan# 1798

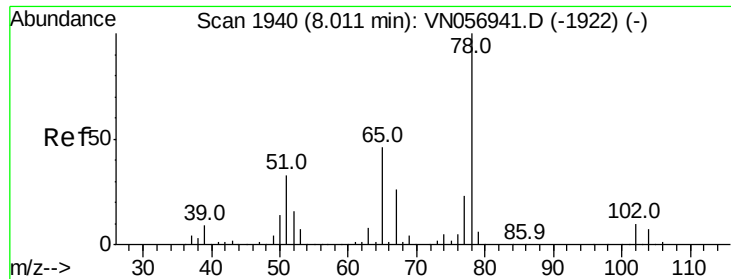
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	97	Resp:	354860
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.3	78.5
61	41.1	33.9	50.9





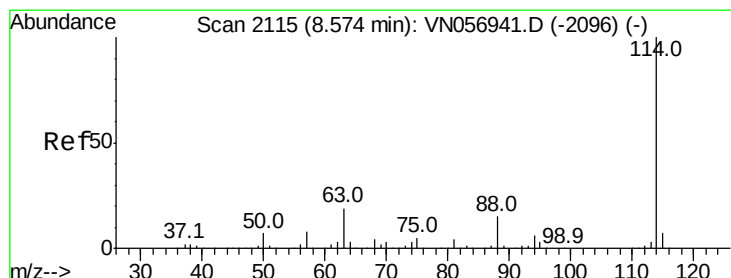
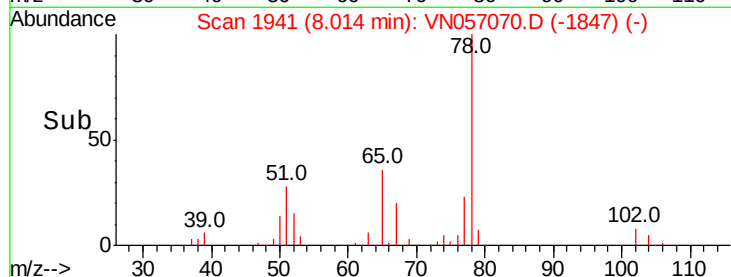
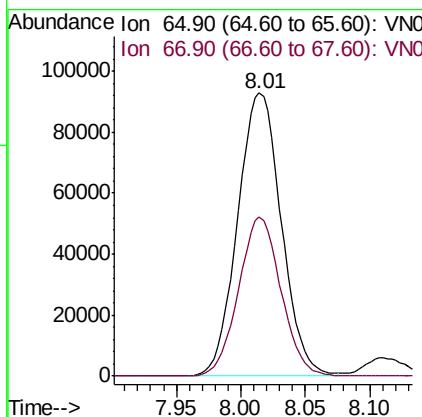
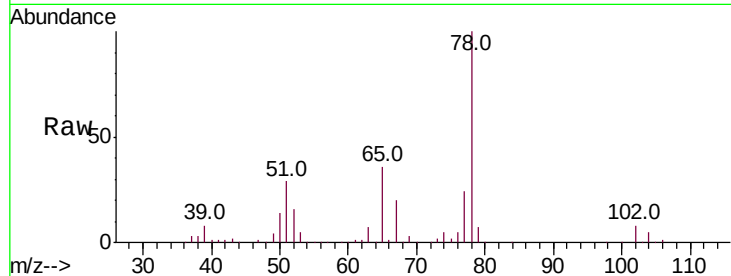
#33
 1,2-Dichloroethane-d4
 Concen: 45.988 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219354		
67	54.6	0.0	112.0	

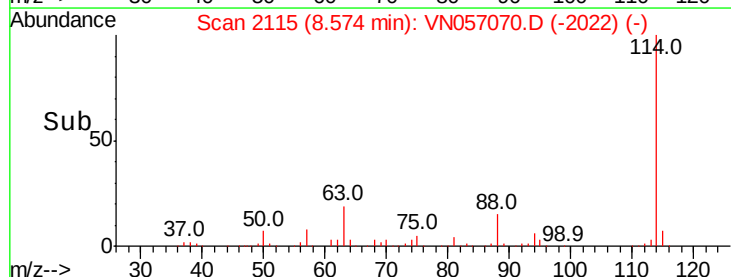
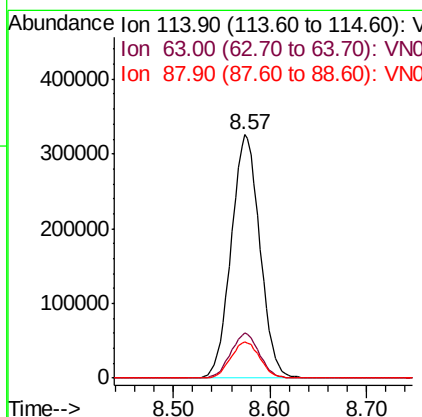
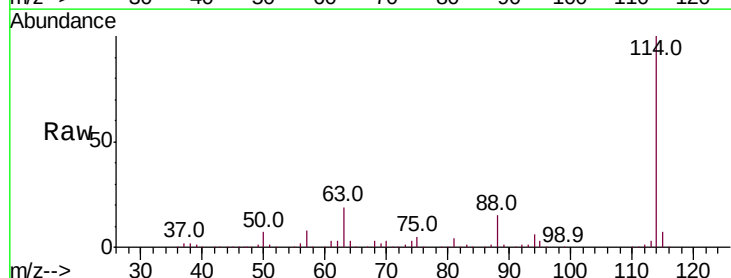
Manual Integrations
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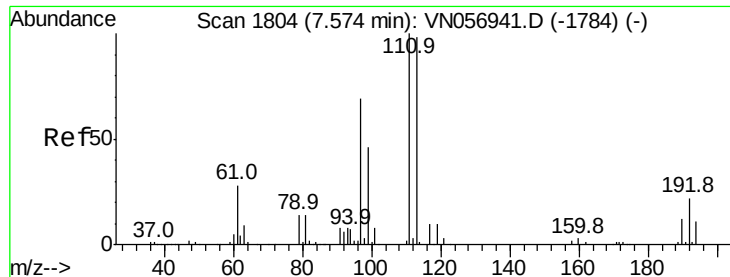
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	672347		
63	18.6	0.0	38.0	
88	14.7	0.0	30.0	





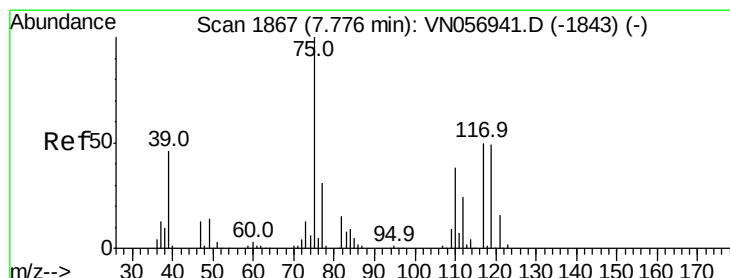
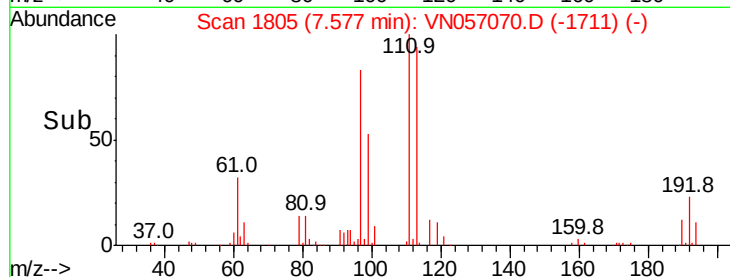
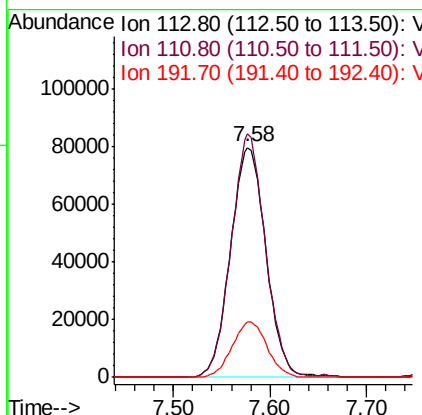
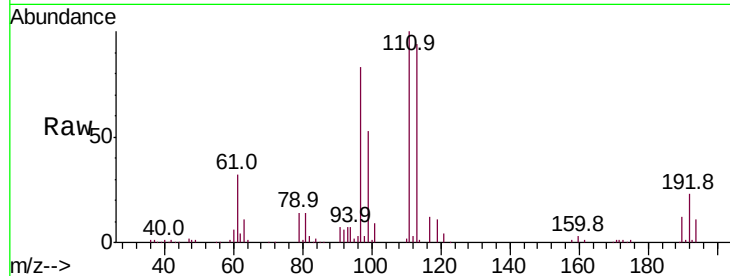
#35
 Dibromofluoromethane
 Concen: 47.250 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	82.0	123.0	
192	23.8	18.4	27.6	

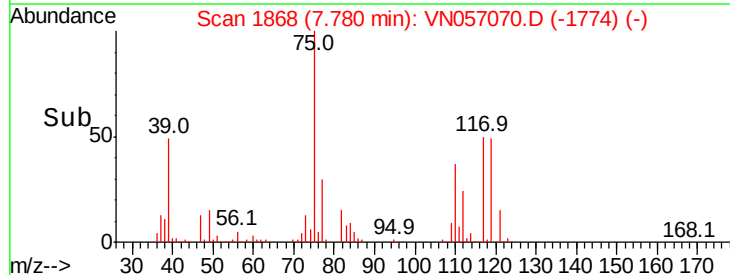
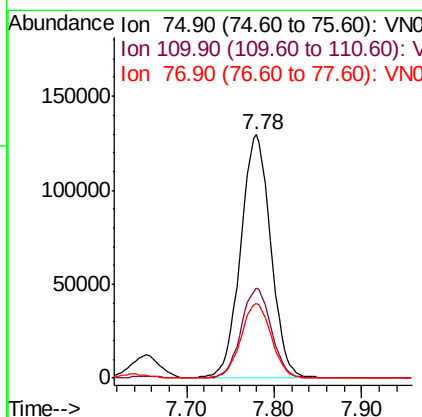
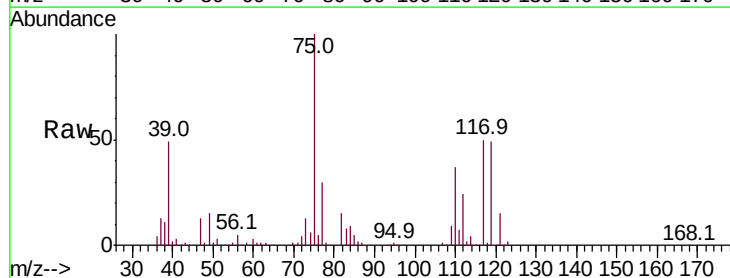
Manual Integrations
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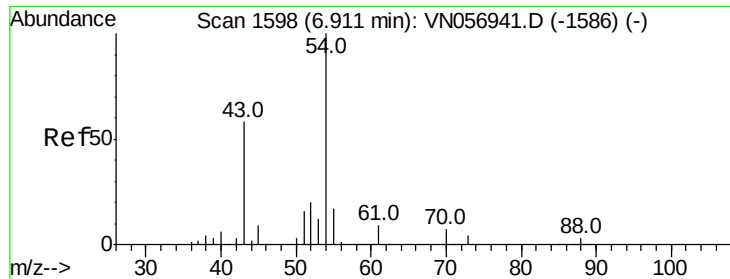
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 8/7/2019 4:09:43 AM



#36
 1,1-Dichloropropene
 Concen: 52.071 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.6	55.8	
77	31.2	25.2	37.8	





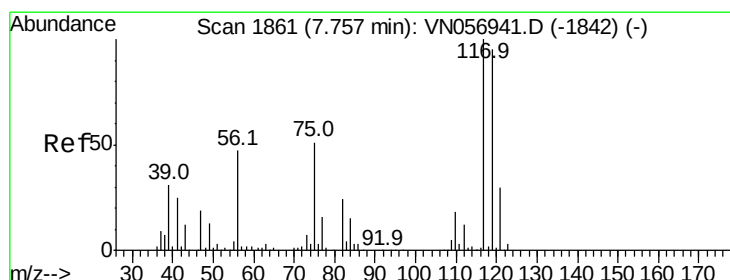
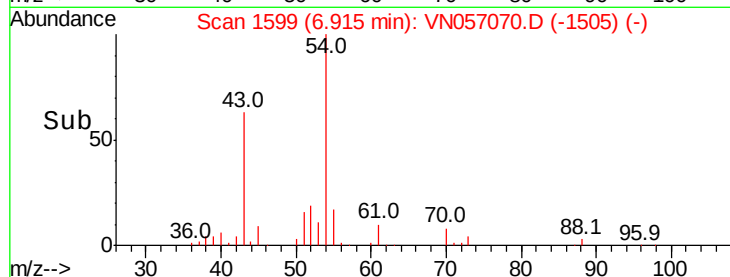
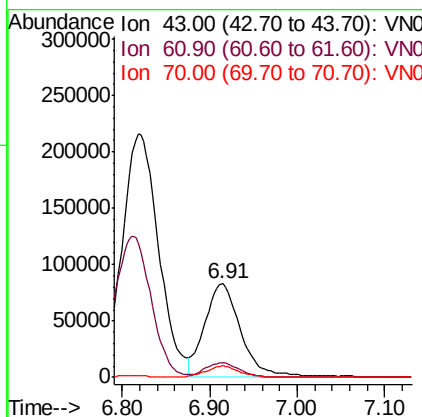
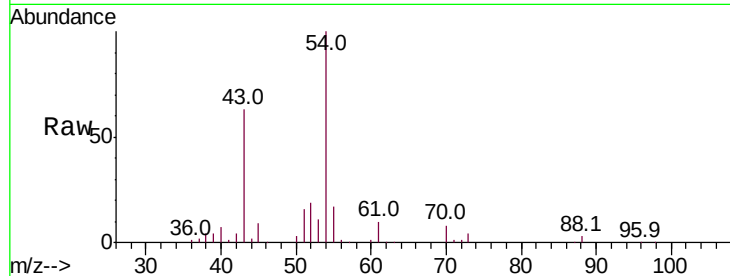
#37
Ethyl Acetate
Concen: 49.130 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	232797
Ion Ratio	100	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.5	8.5	12.7

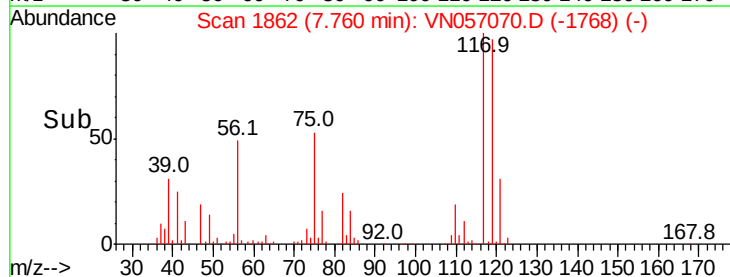
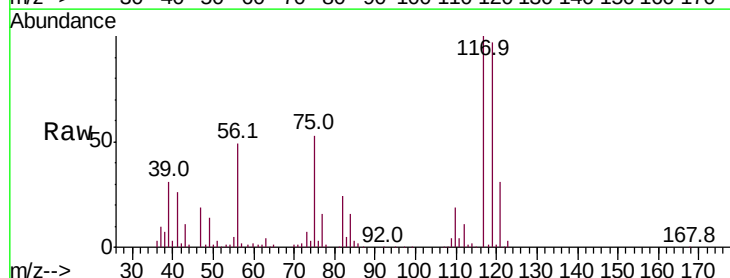
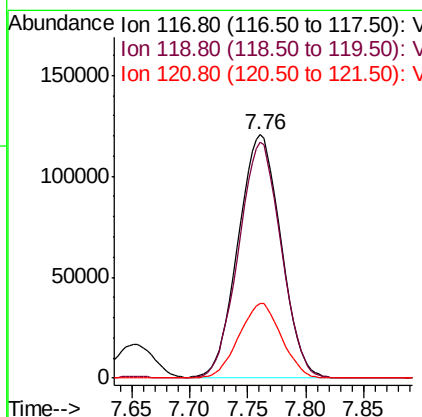
Manual Integrations
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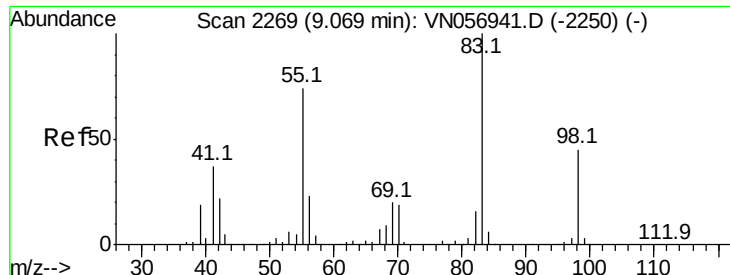
MMDadoda
8/7/2019 4:09:43 AM



#38
Carbon Tetrachloride
Concen: 55.497 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	117	Resp	310568
Ion Ratio	100	Lower	Upper
117	100		
119	97.0	75.3	112.9
121	30.6	24.2	36.4





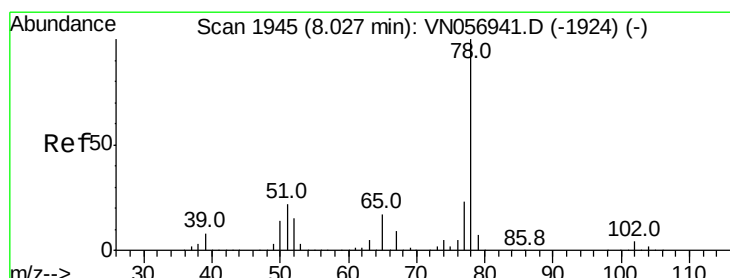
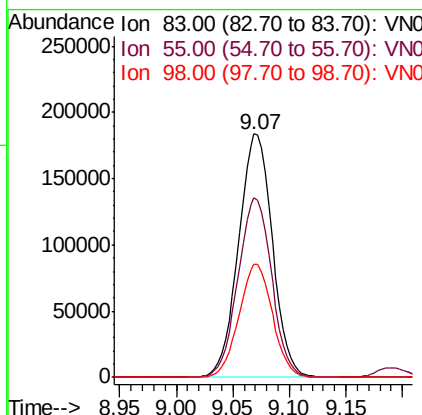
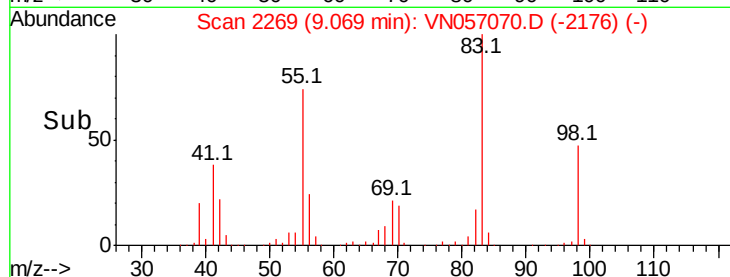
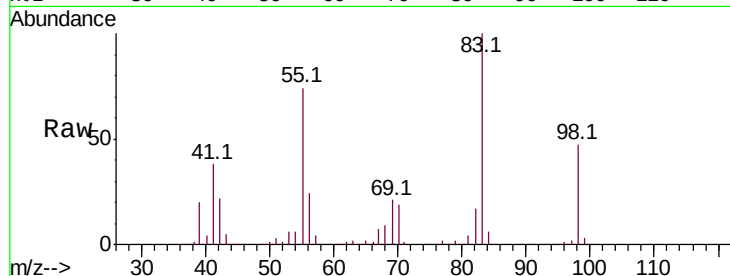
#39
Methylvlcyclohexane
Concen: 50.732 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.0	88.6
98	46.6	36.2	54.4

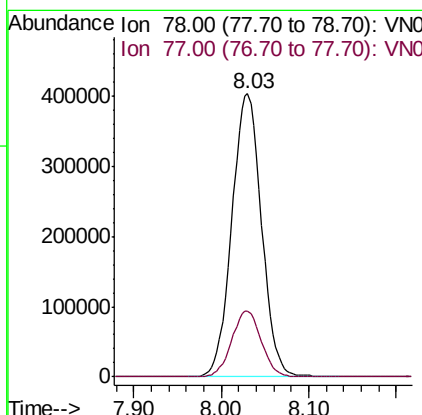
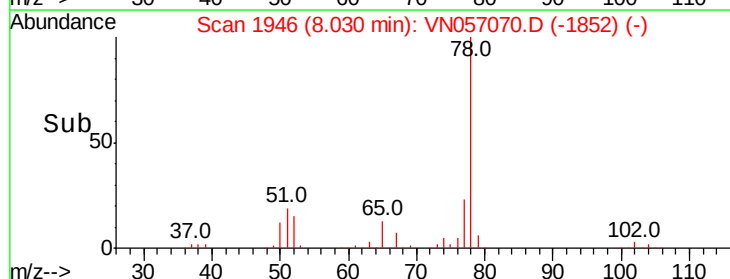
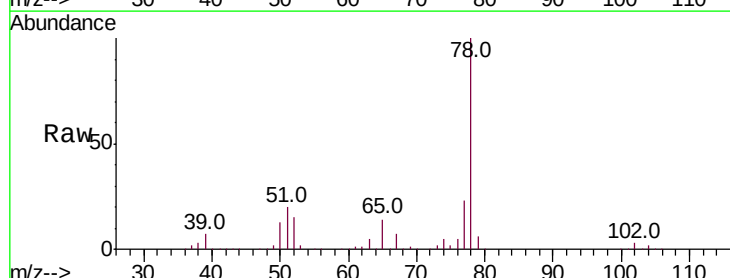
Manual Integrations
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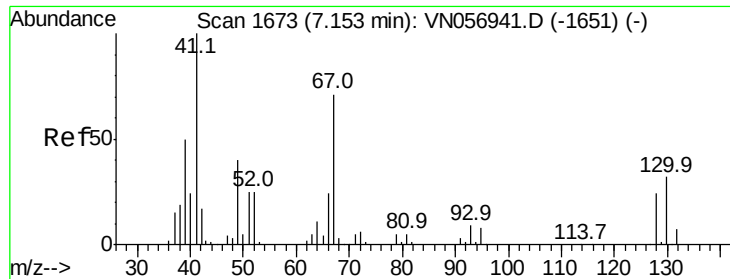
MMDadoda
8/7/2019 4:09:43 AM



#40
Benzene
Concen: 52.080 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





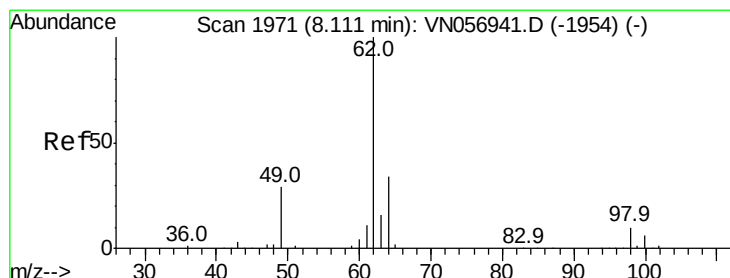
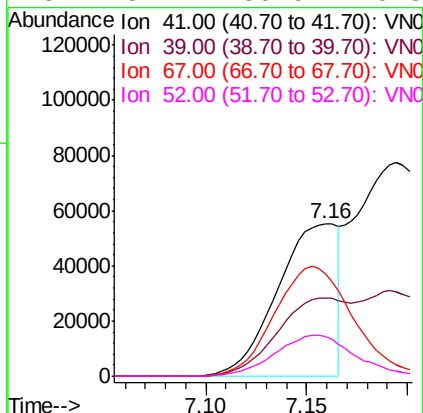
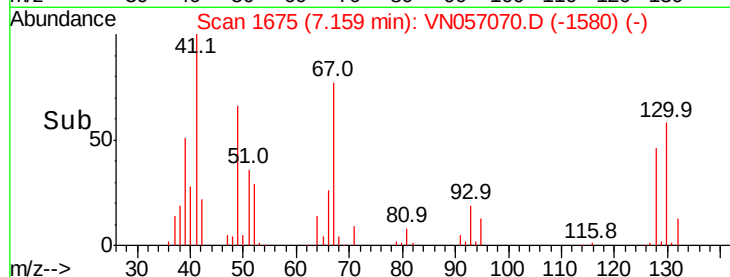
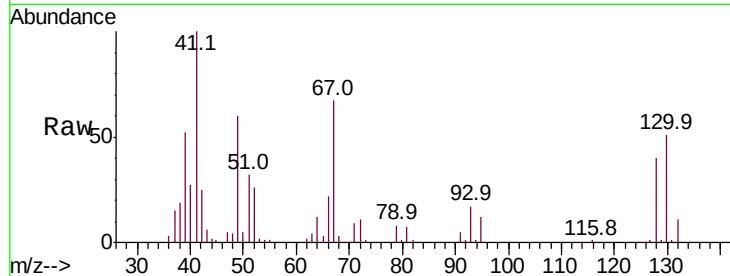
#41
Methacrylonitrile
Concen: 52.432 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.0	48.9	73.3	
67	94.5	83.4	125.0	
52	34.7	30.9	46.3	

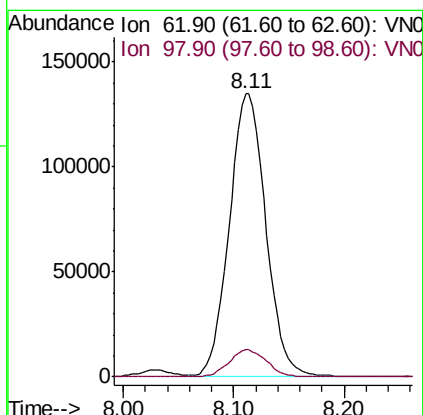
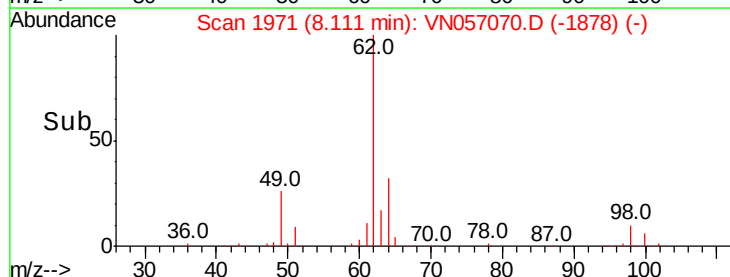
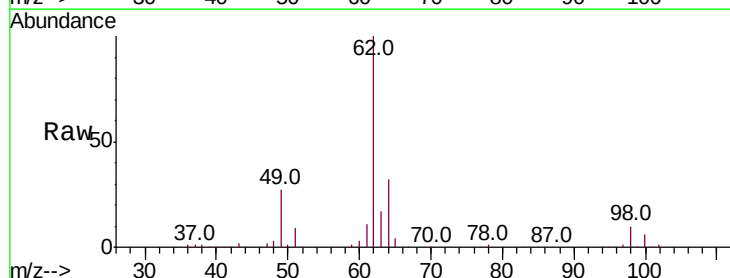
Manual Integrations
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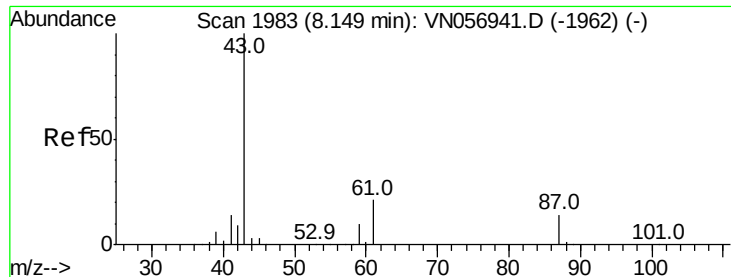
MMDadoda
8/7/2019 4:09:43 AM



#42
1,2-Dichloroethane
Concen: 53.920 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.6	





#43

Isopropyl Acetate

Concen: 50.550 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

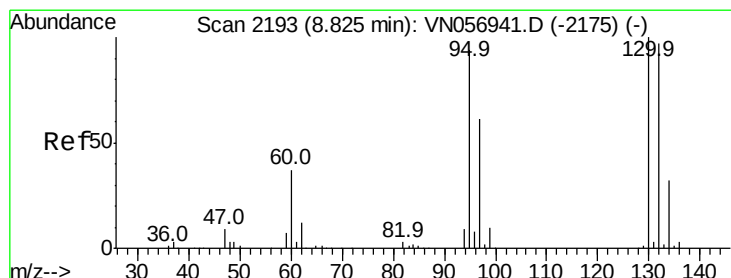
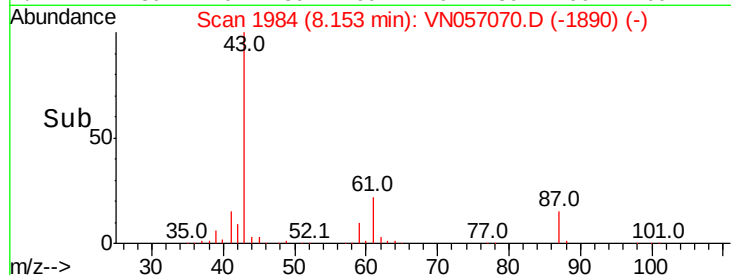
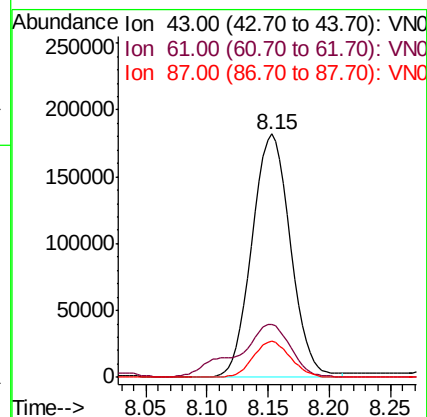
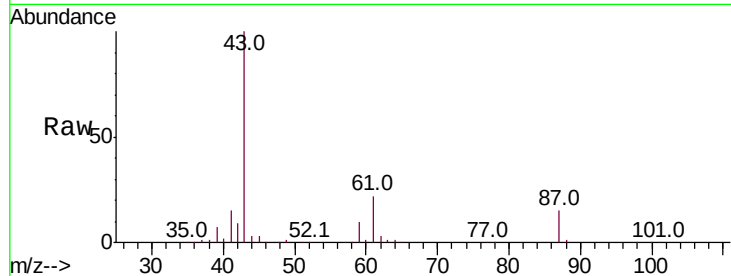
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	395890
Ion Ratio	Lower	Upper	
43	100		
61	30.0	23.0	34.6
87	14.5	11.7	17.5

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#44

Trichloroethene

Concen: 53.236 ug/l

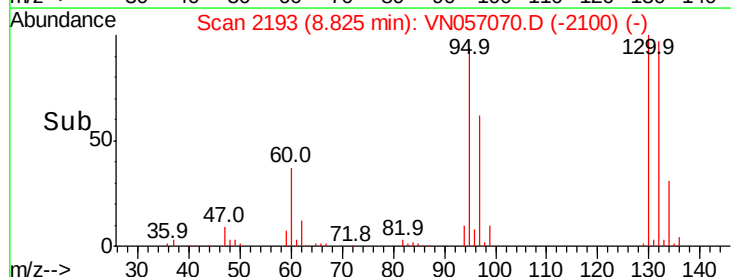
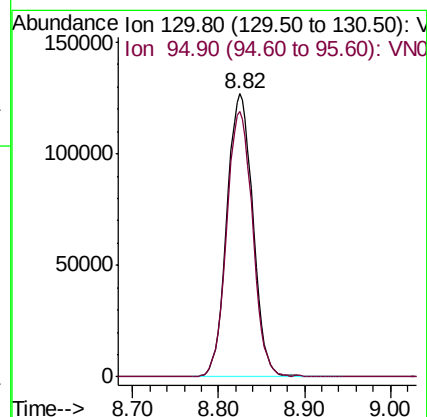
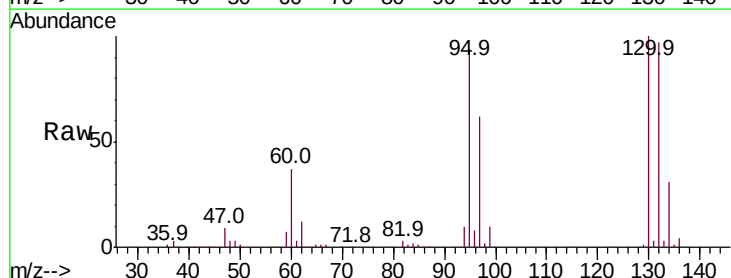
RT: 8.82 min Scan# 2193

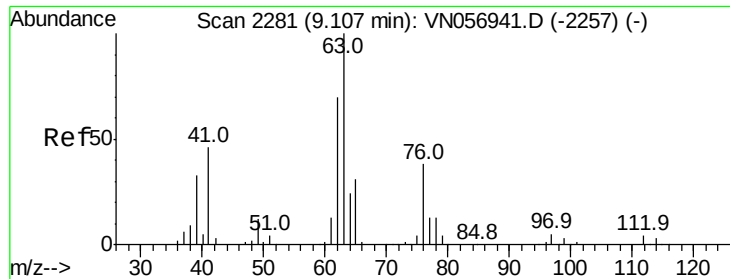
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	130	Resp:	267252
Ion Ratio	Lower	Upper	
130	100		
95	93.6	0.0	189.0





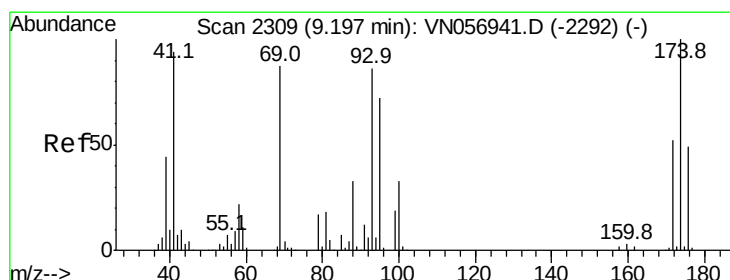
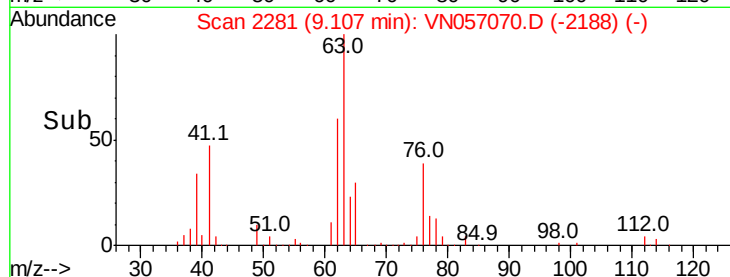
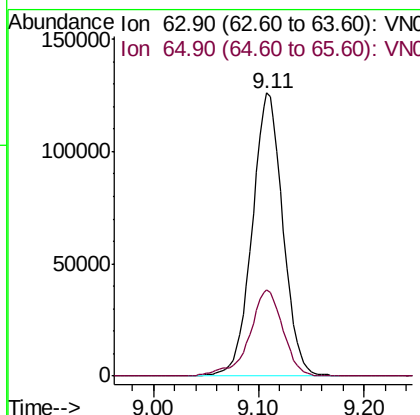
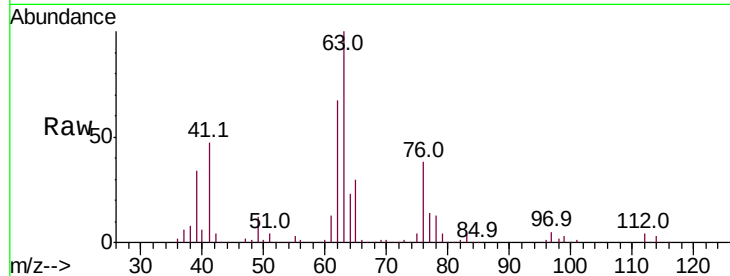
#45
 1,2-Dichloropropane
 Concen: 52.460 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 255690
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2

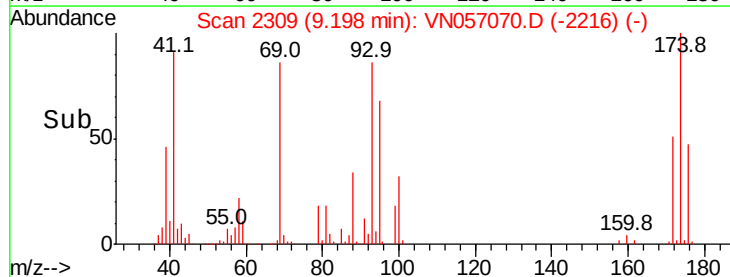
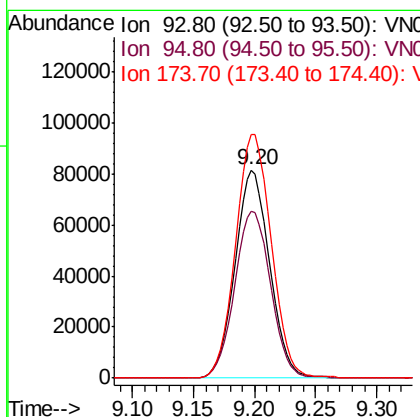
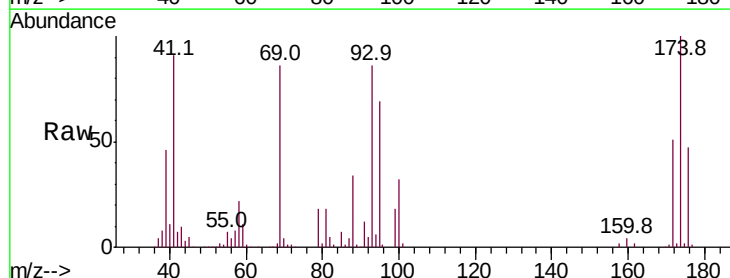
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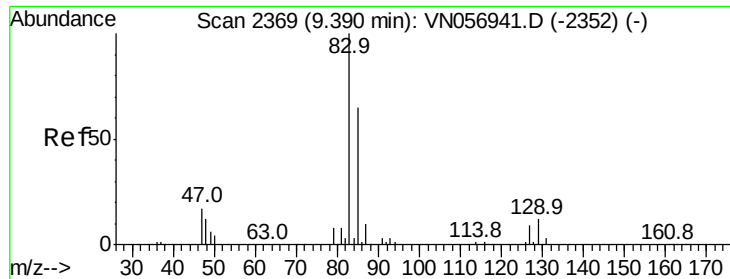
MMDadoda
 8/7/2019 4:09:43 AM



#46
 Dibromomethane
 Concen: 54.432 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 93 Resp: 159995
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 121.0 92.7 139.1





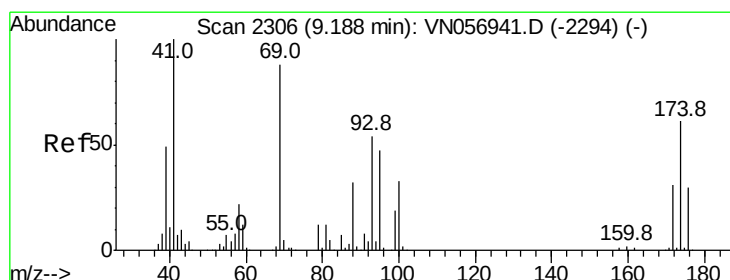
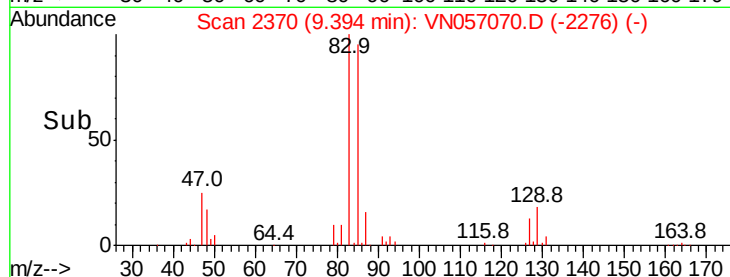
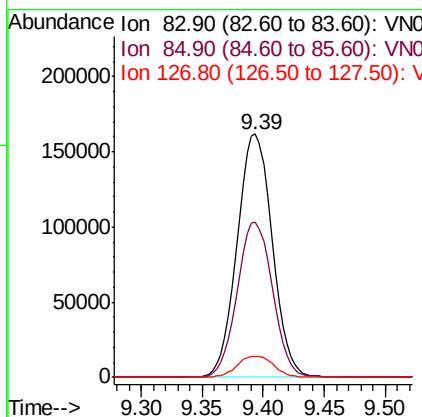
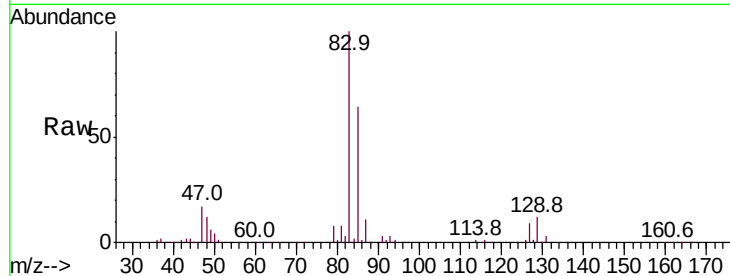
#47
Bromodichloromethane
Concen: 55.851 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	51.6	77.4	
127	8.8	7.3	10.9	

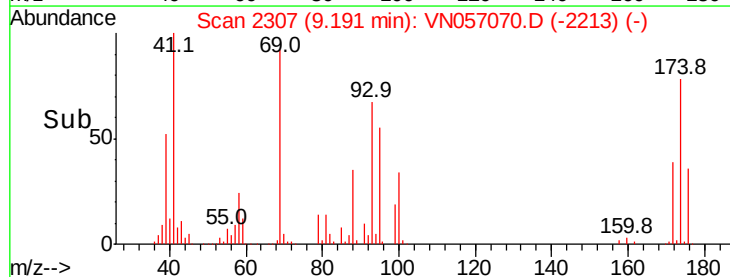
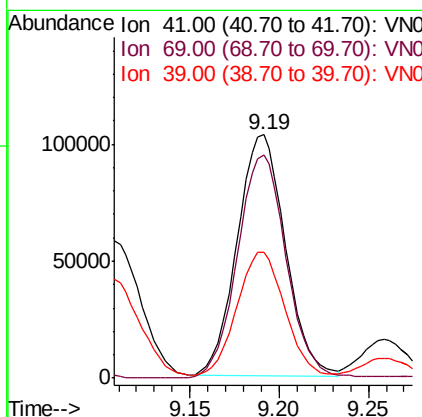
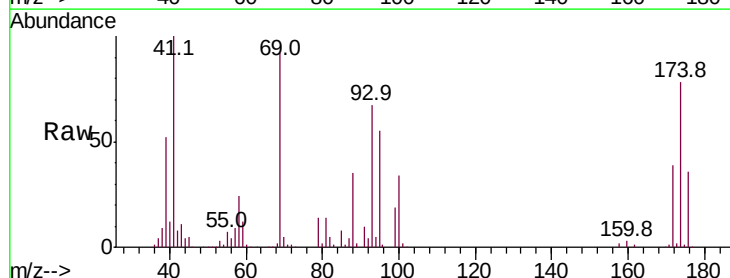
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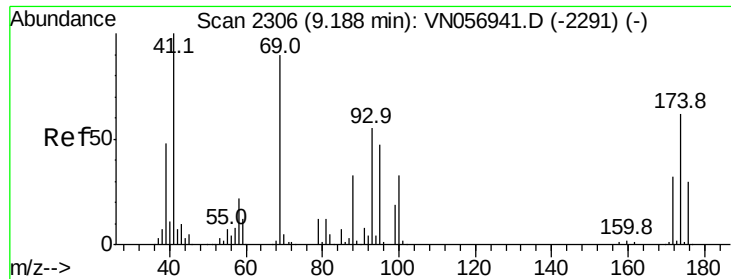
MMDadoda
8/7/2019 4:09:43 AM



#48
Methyl methacrylate
Concen: 51.512 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	94.0	73.4	110.0	
39	52.5	39.9	59.9	





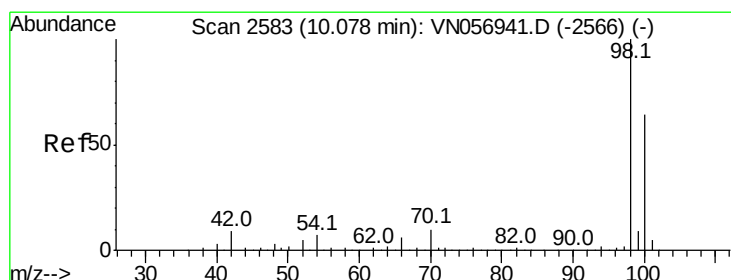
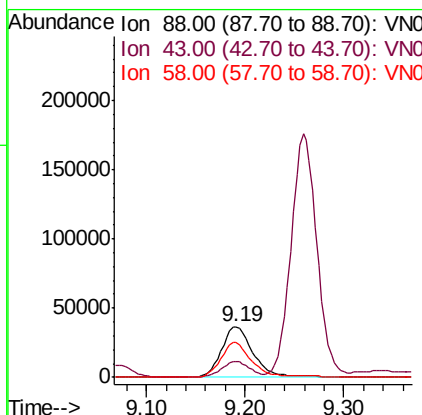
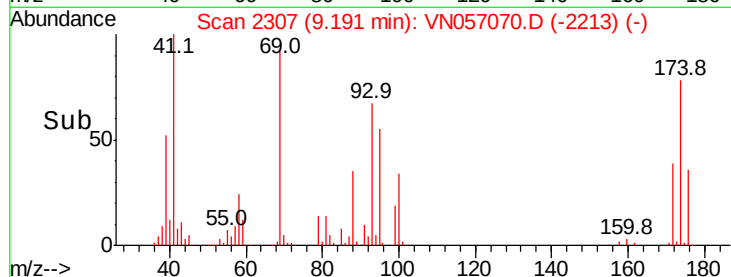
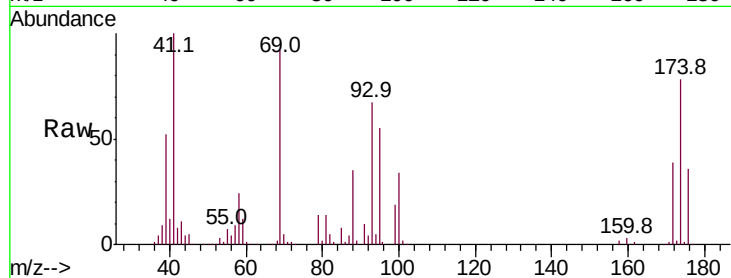
#49
1,4-Dioxane
Concen: 1058.693 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.2	33.2
58	65.3	54.1	81.1

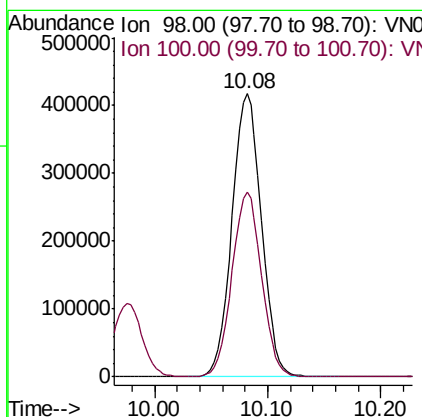
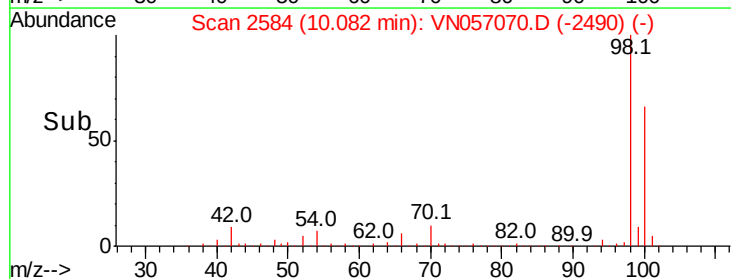
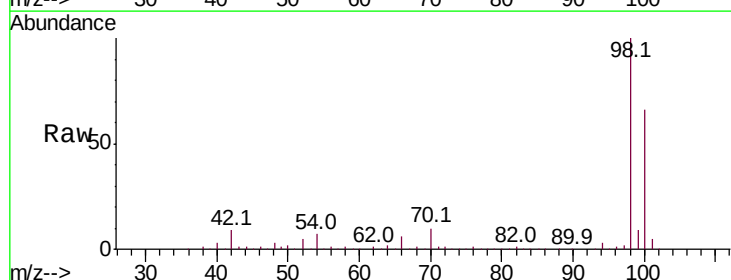
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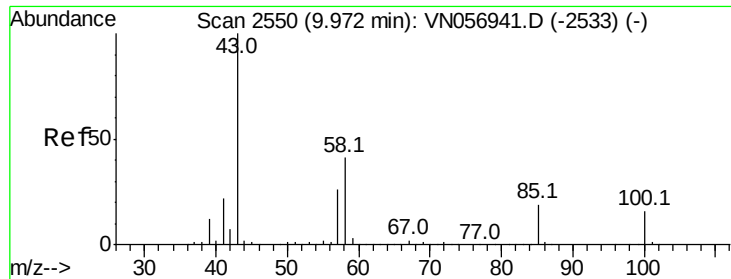
MMDadoda
8/7/2019 4:09:43 AM



#50
Toluene-d8
Concen: 46.130 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 255.976 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1191128

Ion Ratio Lower Upper

43 100

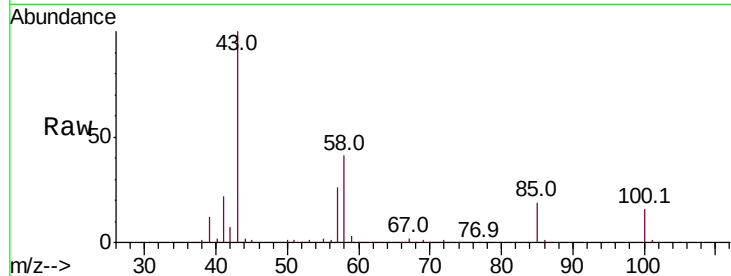
58 41.5 33.1 49.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

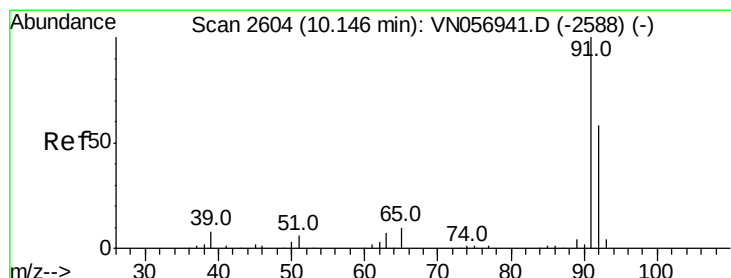
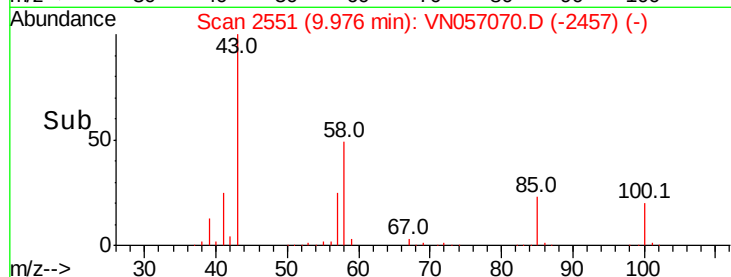
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 54.027 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057070.D

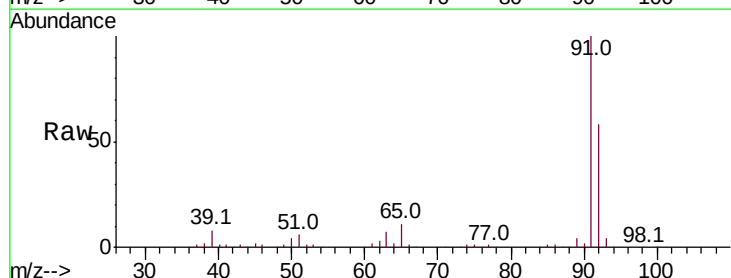
Acq: 5 Aug 2019 9:27

Tgt Ion: 92 Resp: 591482

Ion Ratio Lower Upper

92 100

91 175.1 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

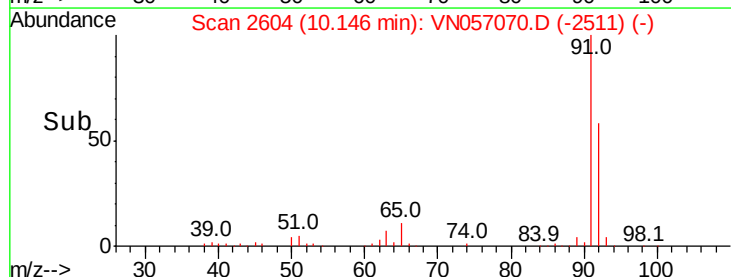
600000

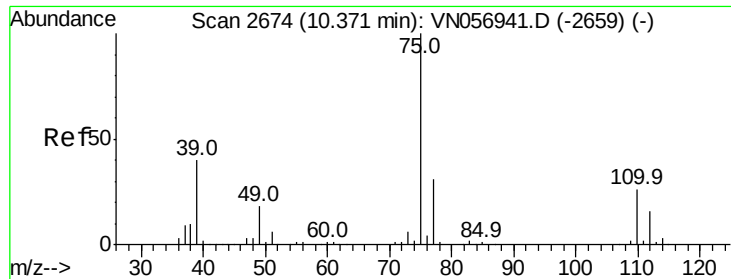
400000

200000

0

Time-->





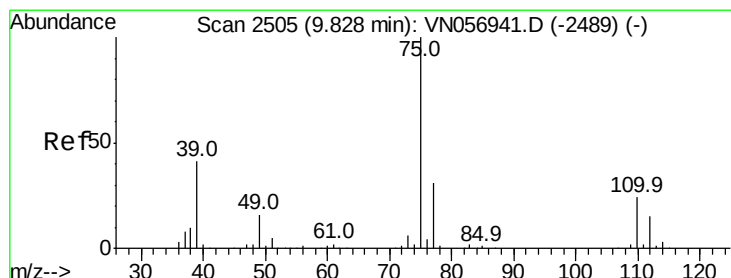
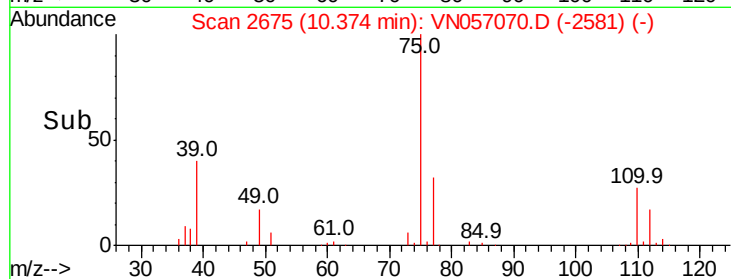
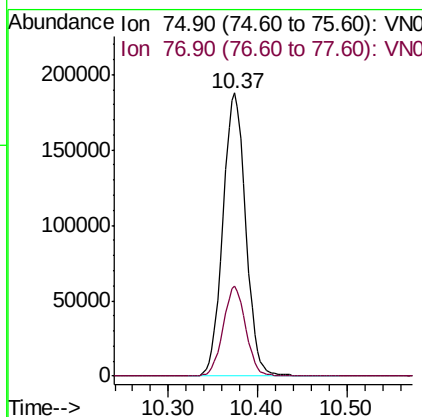
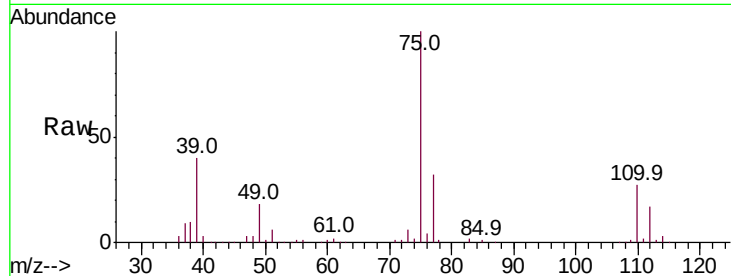
#53
t-1,3-Dichloropropene
Concen: 55.441 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 332483
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

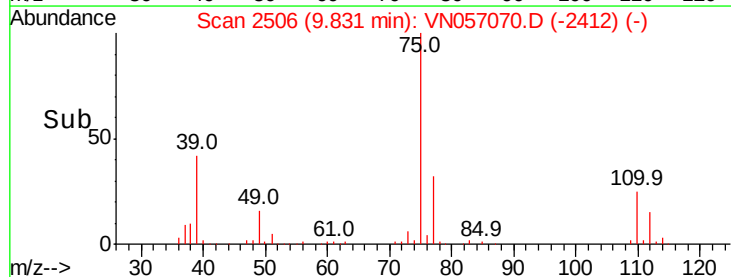
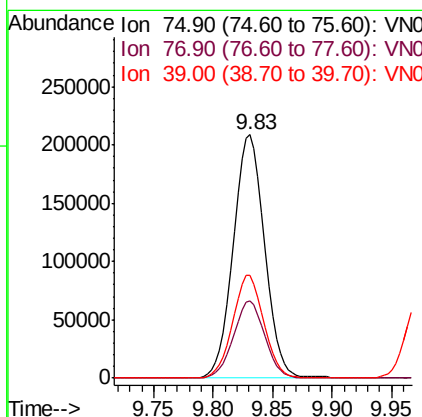
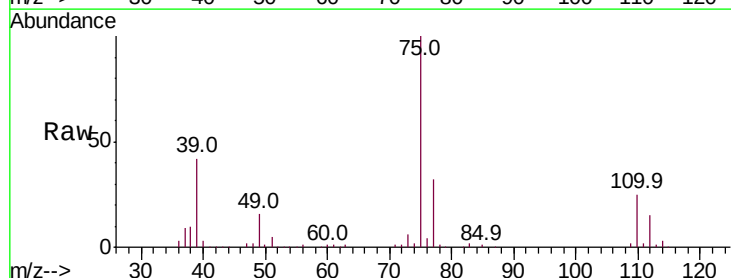
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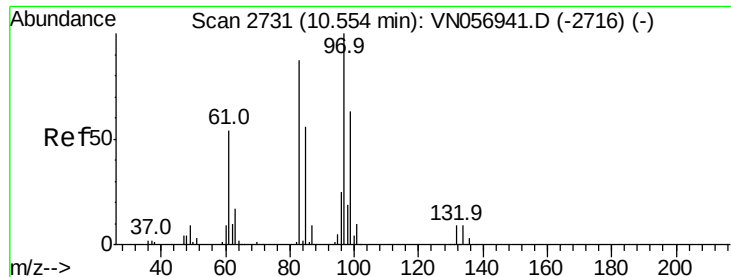
MMDadoda
8/7/2019 4:09:43 AM



#54
cis-1,3-Dichloropropene
Concen: 54.684 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 75 Resp: 381301
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6
39 42.1 32.6 49.0





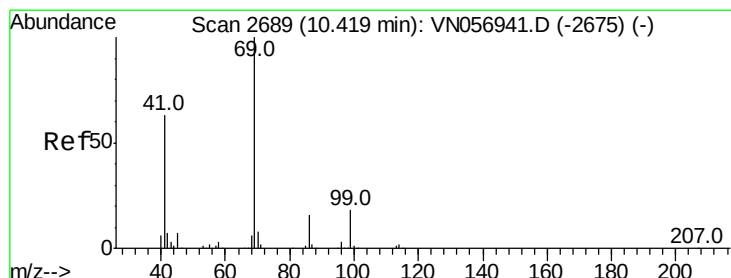
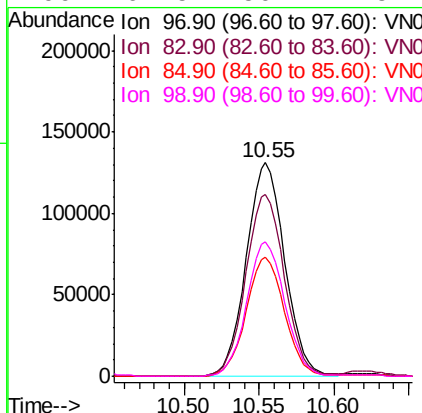
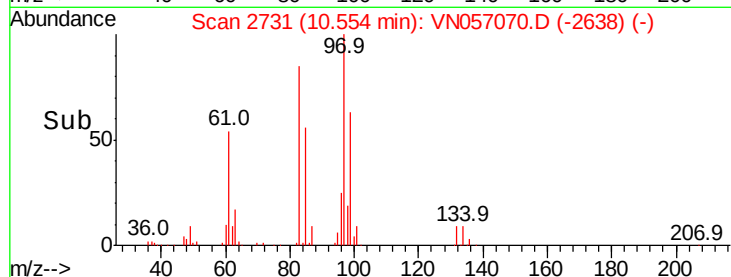
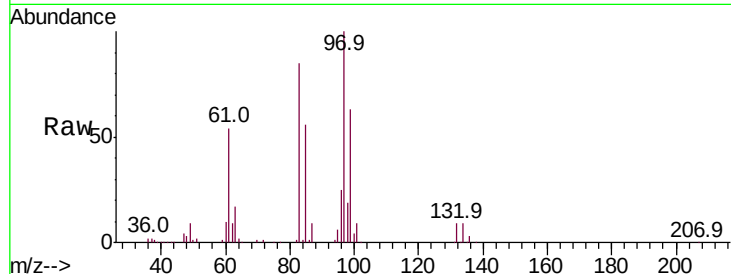
#55
 1,1,2-Trichloroethane
 Concen: 53.416 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	234525		
83	85.4	69.4	104.0	
85	55.6	44.7	67.1	
99	62.5	50.1	75.1	

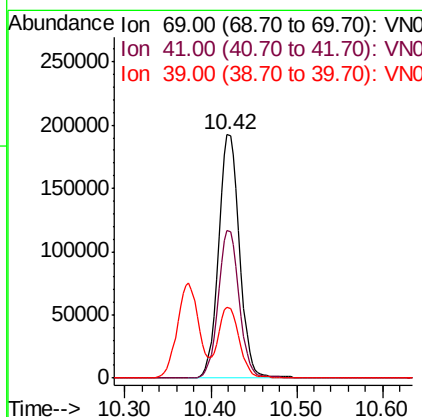
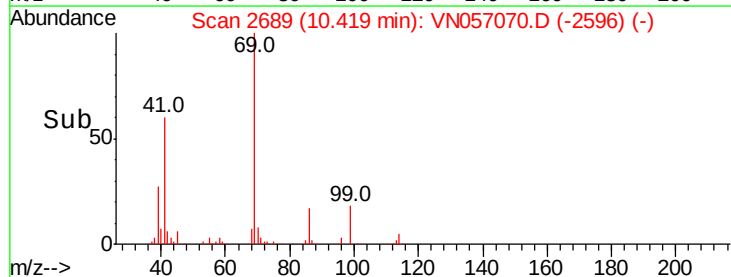
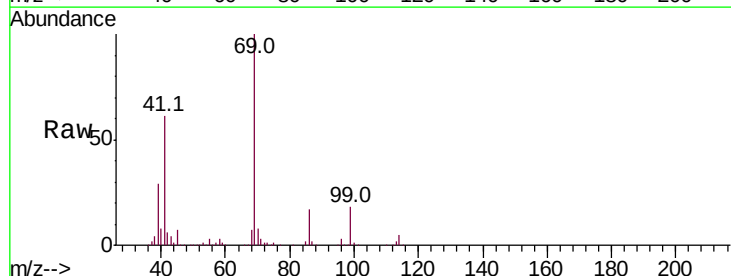
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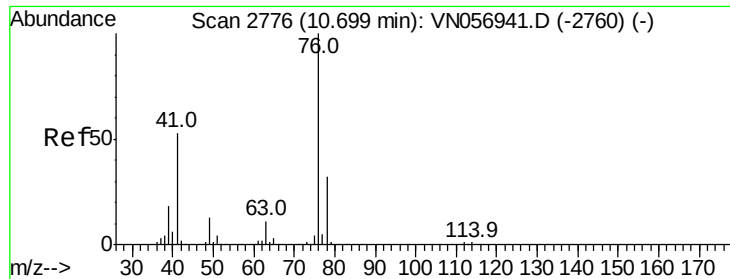
MMDadoda
 8/7/2019 4:09:43 AM



#56
 Ethyl methacrylate
 Concen: 49.094 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	325299		
41	60.3	49.2	73.8	
39	28.7	23.1	34.7	





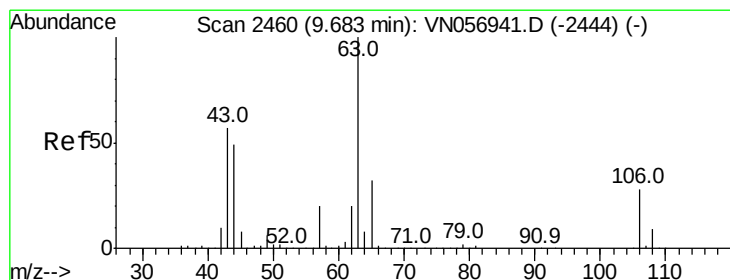
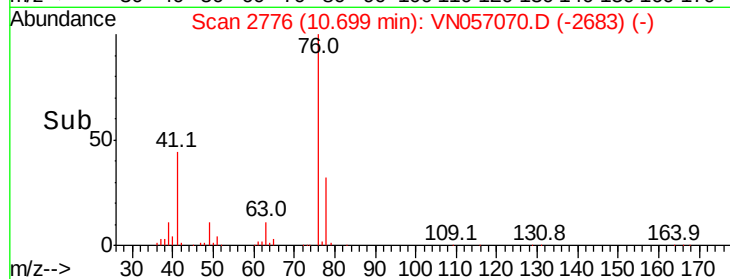
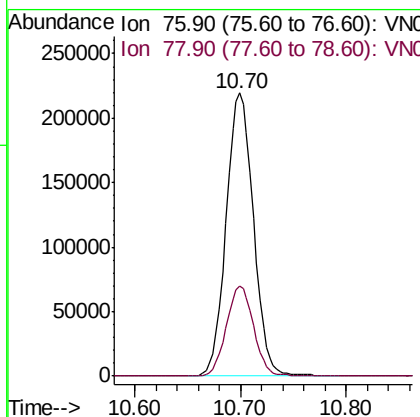
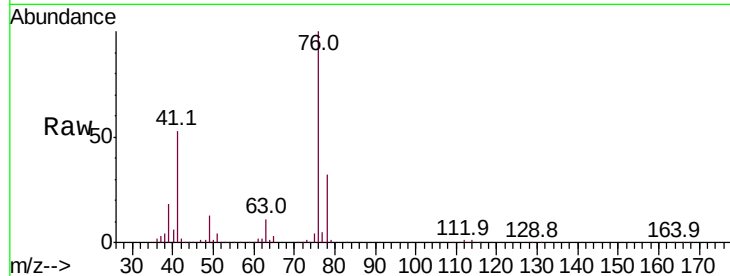
#57
 1,3-Dichloropropane
 Concen: 53.858 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 392110
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9

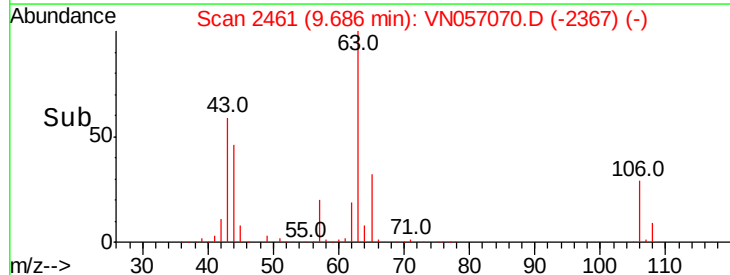
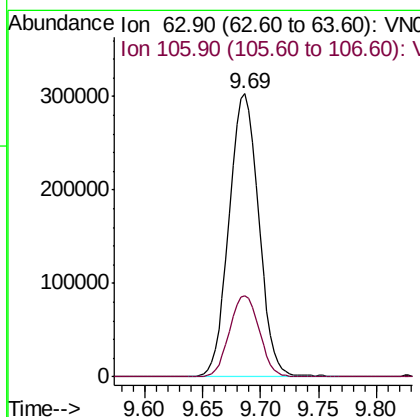
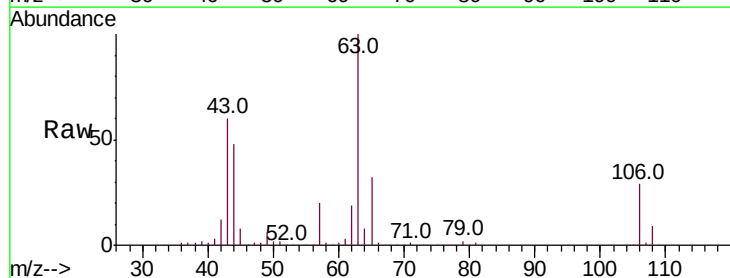
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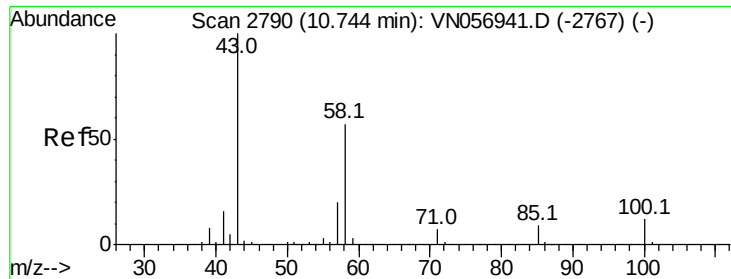
MMDadoda
 8/7/2019 4:09:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 204.311 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion: 63 Resp: 537544
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.0 33.0





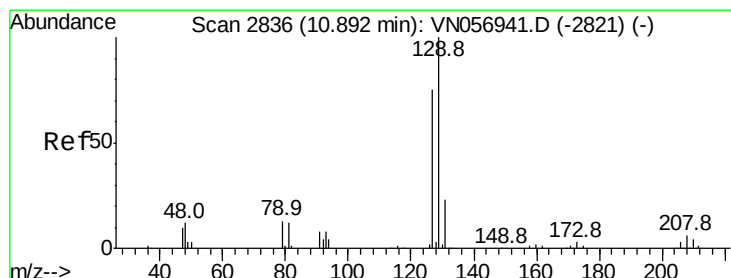
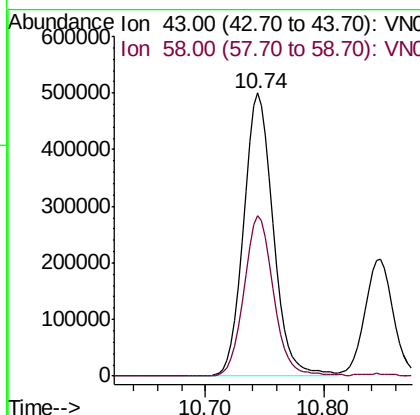
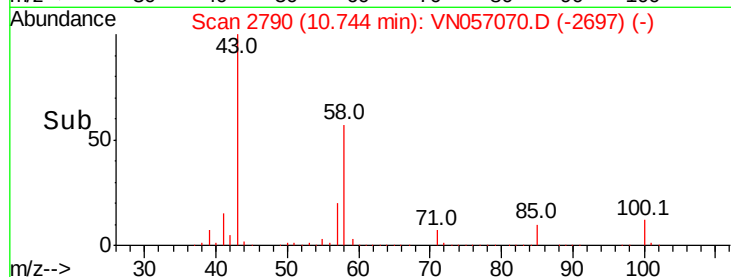
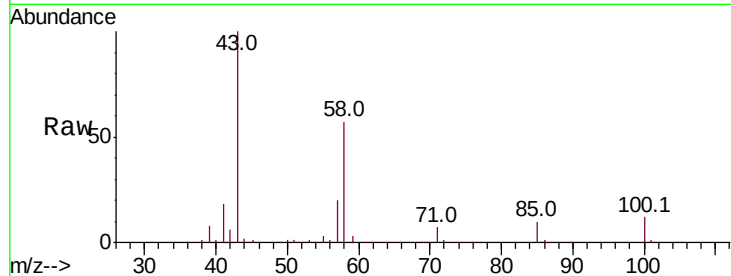
#59
2-Hexanone
Concen: 240.211 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 860438
Ion Ratio Lower Upper
43 100
58 56.7 28.5 85.5

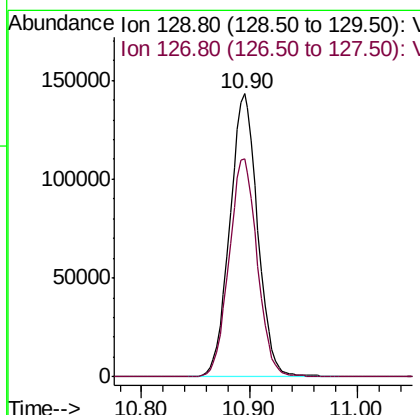
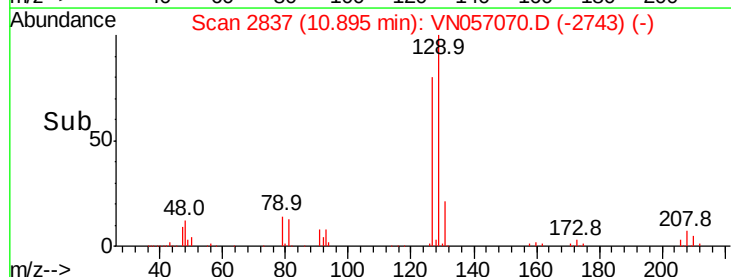
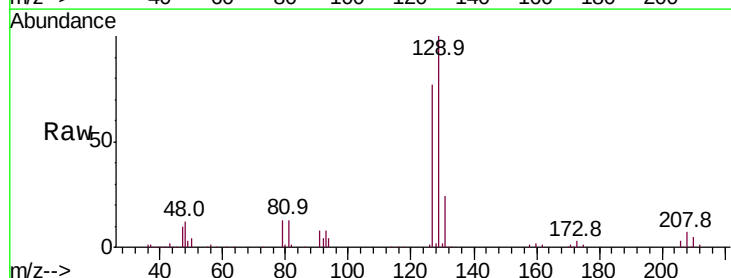
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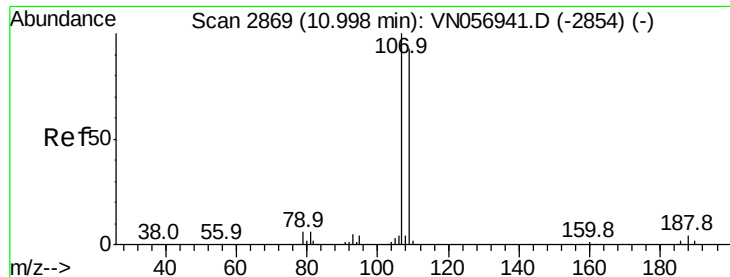
MMDadoda
8/7/2019 4:09:43 AM



#60
Dibromochloromethane
Concen: 57.341 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 129 Resp: 257926
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9





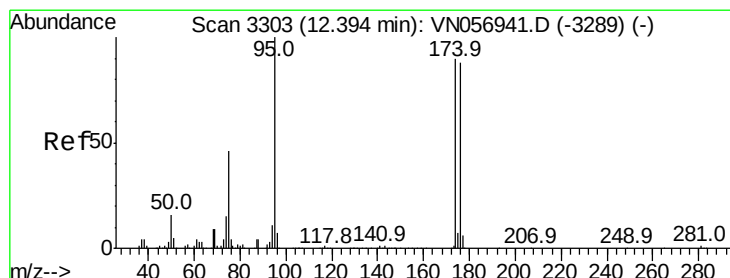
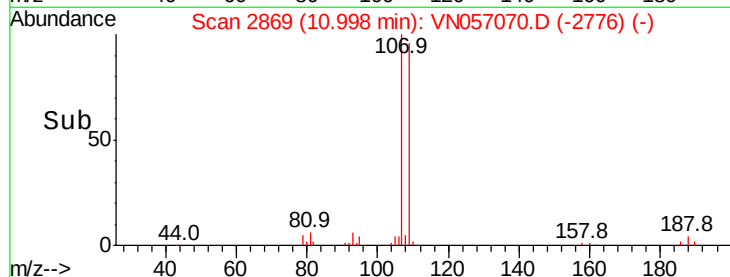
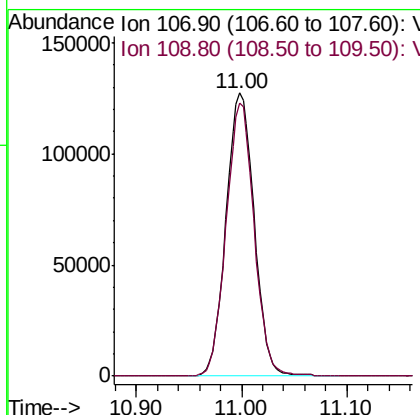
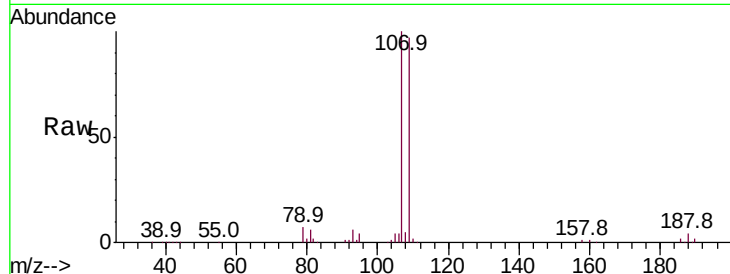
#61
 1,2-Dibromoethane
 Concen: 54.861 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	235060		
109	96.0	76.0	114.0	

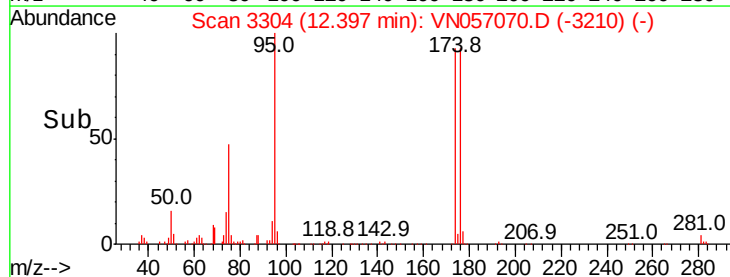
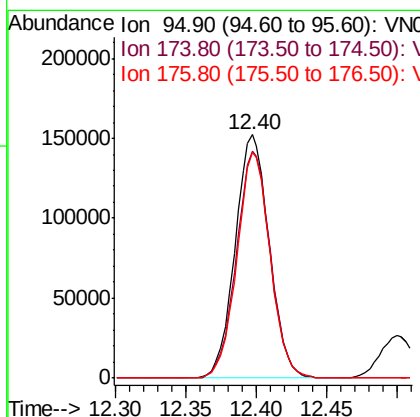
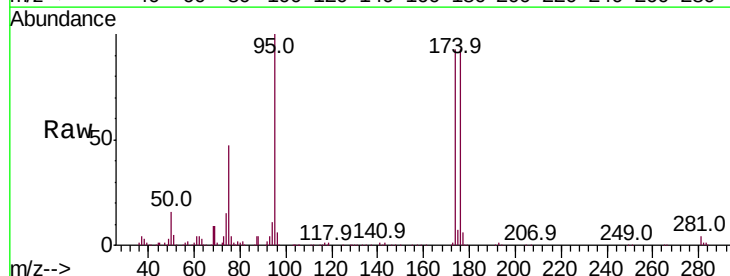
Manual Integrations
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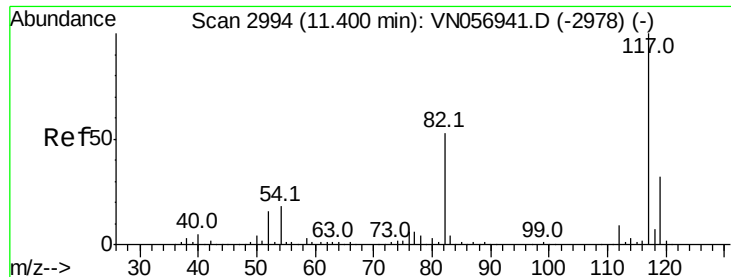
MMDadoda
 8/7/2019 4:09:43 AM



#62
 4-Bromofluorobenzene
 Concen: 48.075 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	256884		
174	93.2	0.0	182.2	
176	90.3	0.0	179.4	





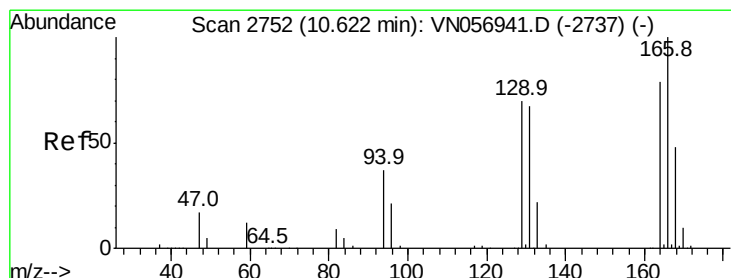
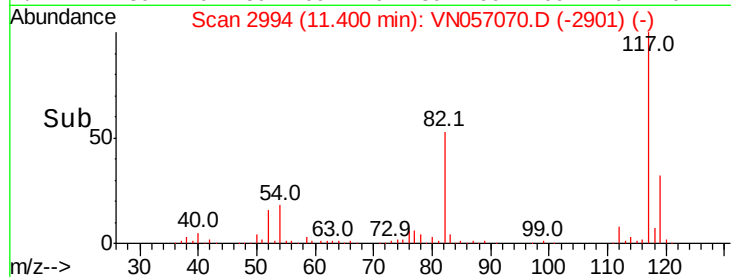
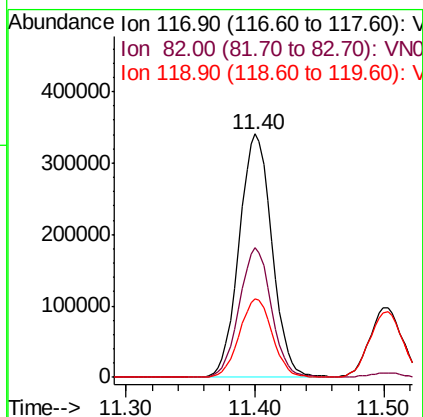
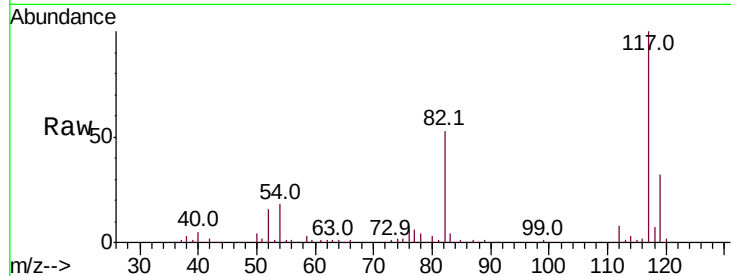
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.3	25.8	38.6

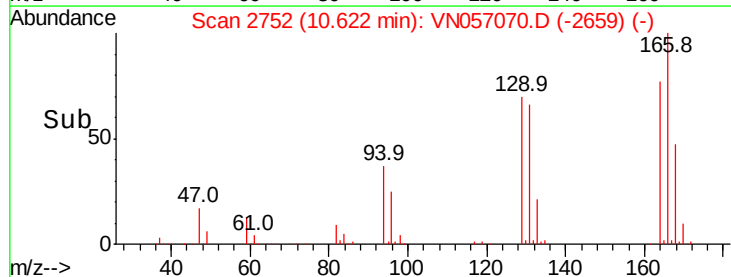
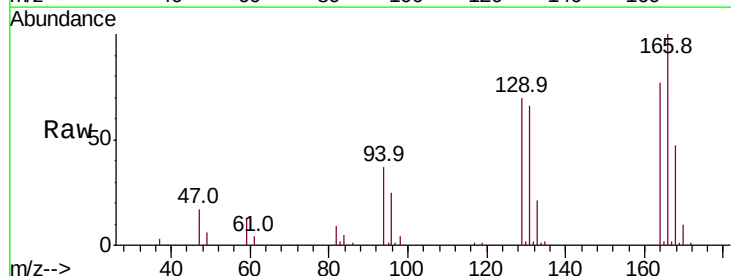
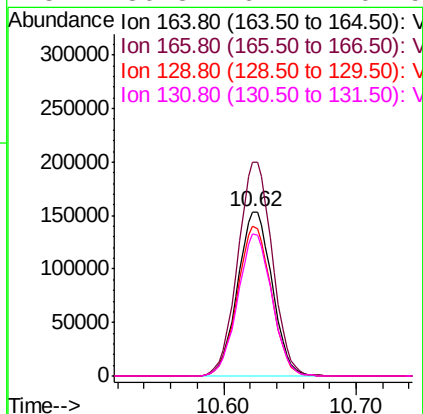
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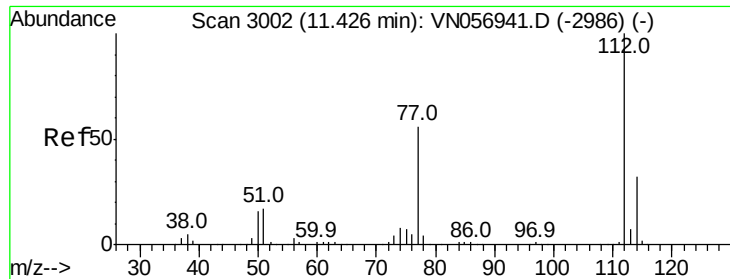
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#64
Tetrachloroethene
Concen: 53.309 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.1	151.7
129	91.1	70.9	106.3
131	86.3	67.7	101.5





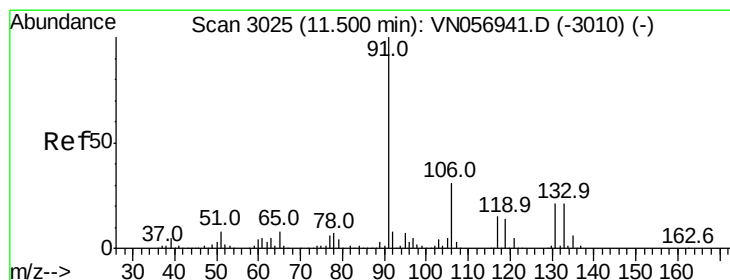
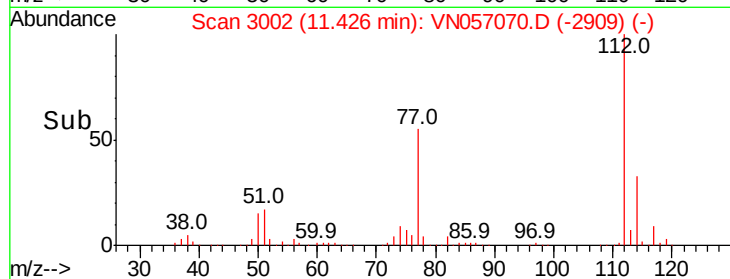
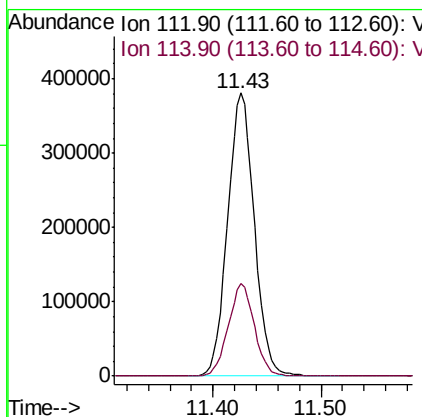
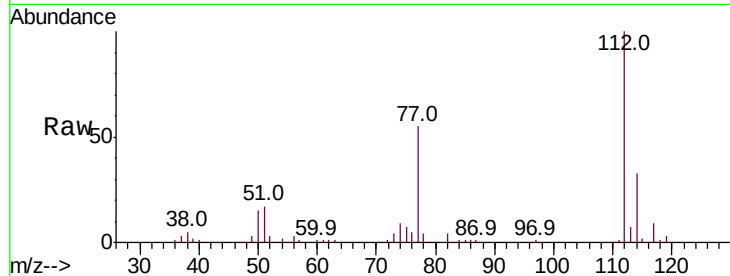
#65
Chlorobenzene
Concen: 53.444 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 656464
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

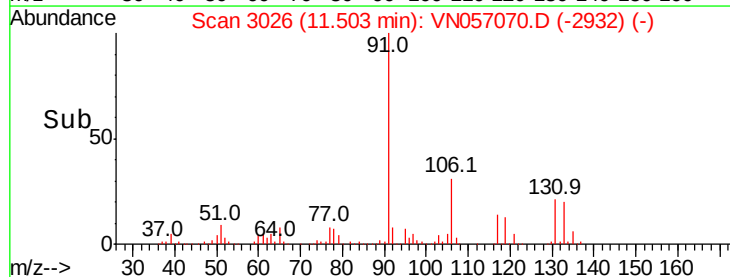
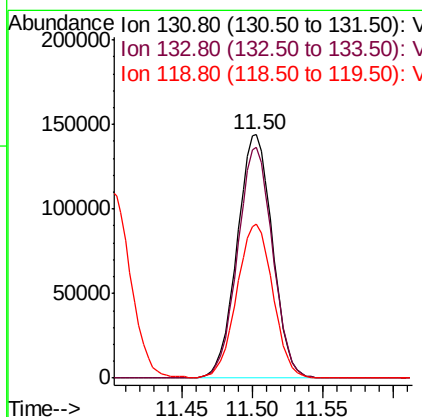
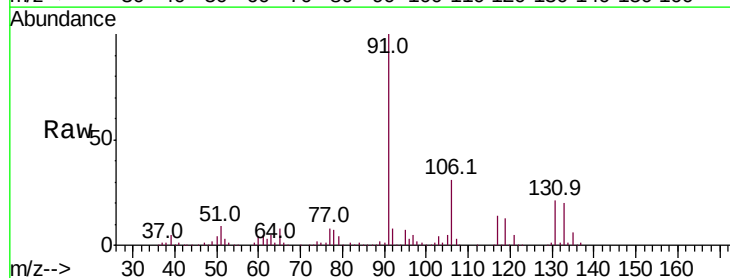
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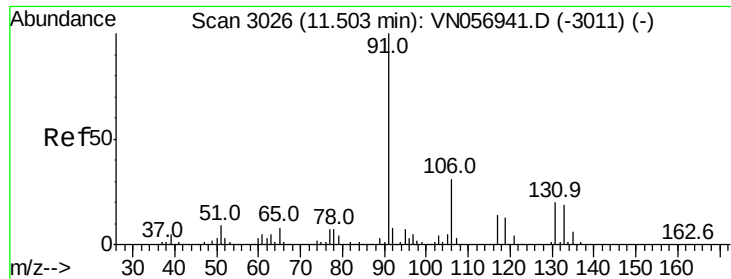
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.682 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:131 Resp: 252803
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 64.6 33.2 99.6





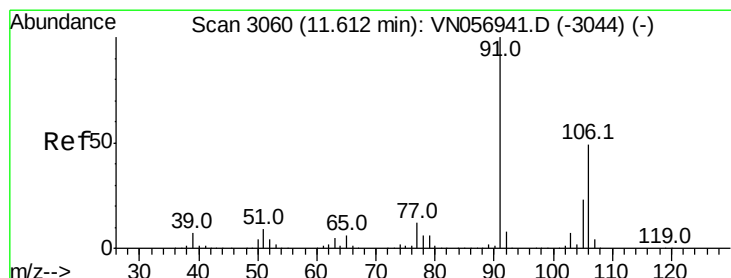
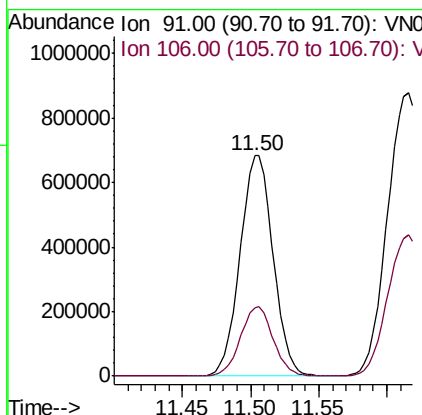
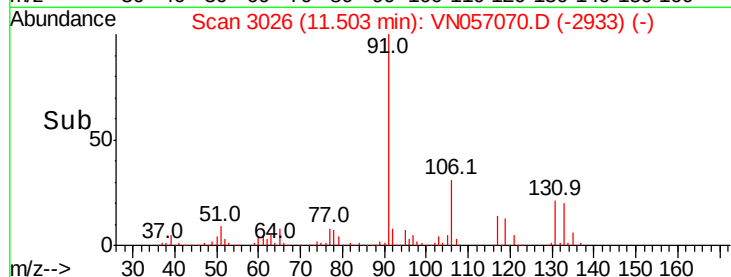
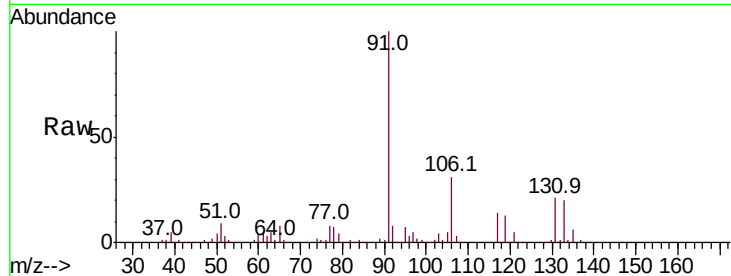
#67
Ethyl Benzene
Concen: 54.237 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1151397
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

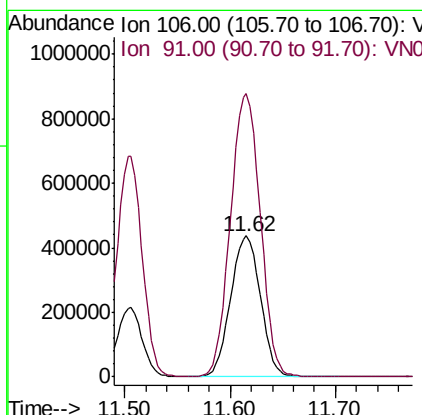
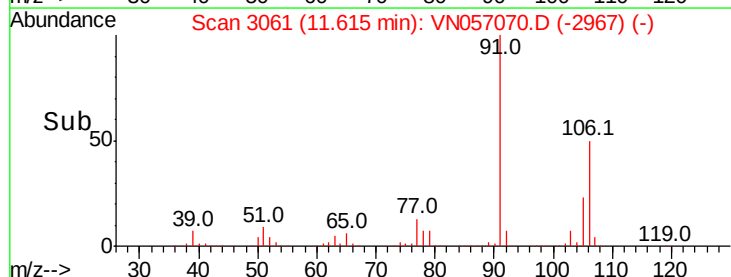
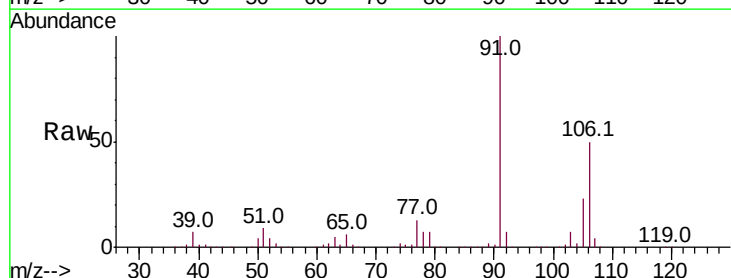
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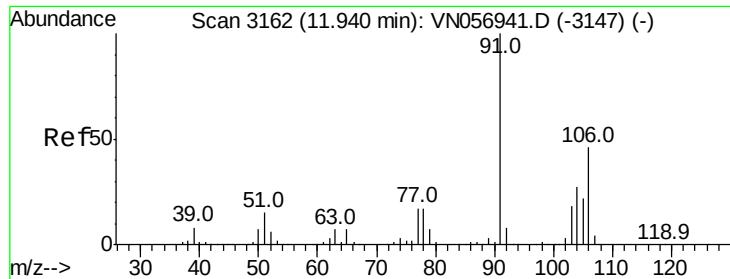
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#68
m/p-Xylenes
Concen: 109.165 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion: 106 Resp: 855279
Ion Ratio Lower Upper
106 100
91 201.4 160.0 240.0





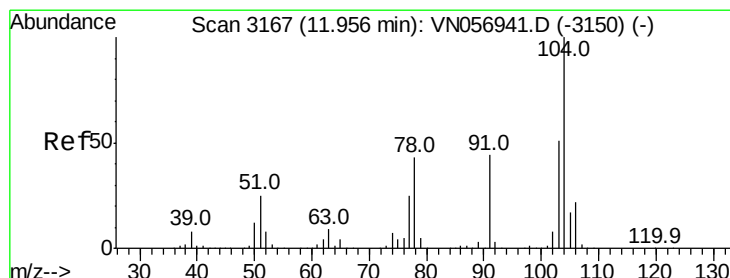
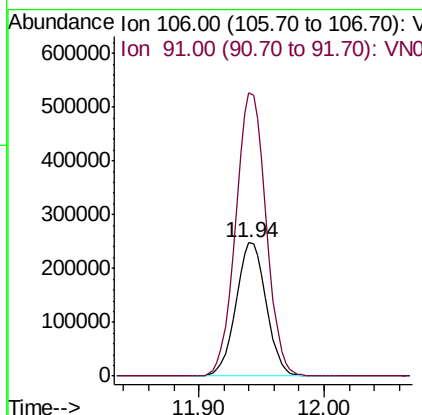
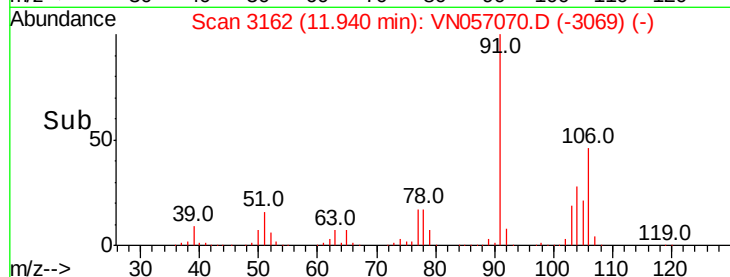
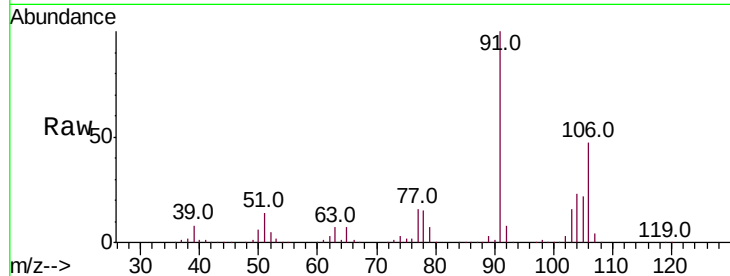
#69
o-Xylene
Concen: 54.214 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 415552
Ion Ratio Lower Upper
106 100
91 212.5 106.2 318.6

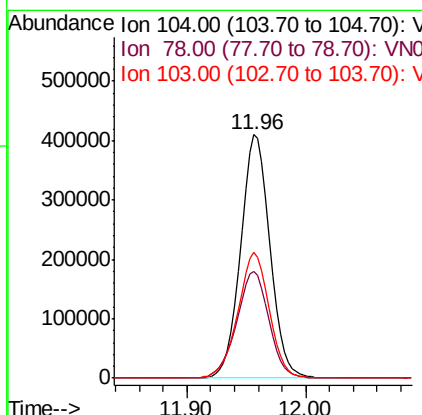
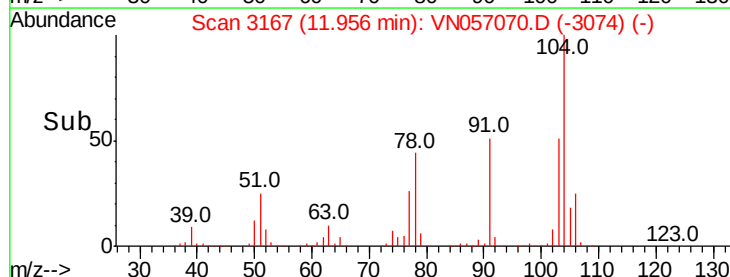
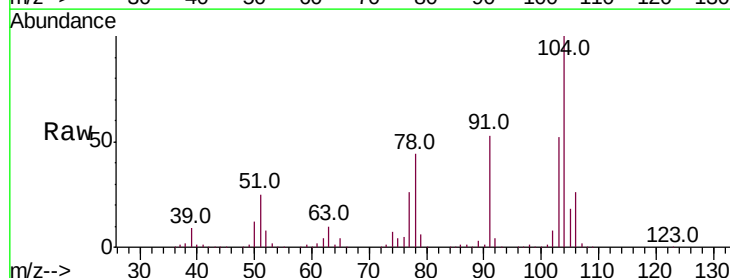
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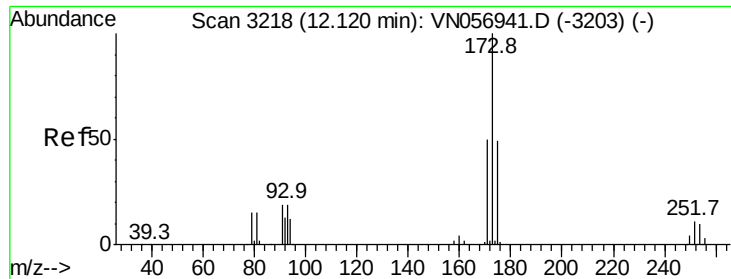
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#70
Styrene
Concen: 51.555 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:104 Resp: 699288
Ion Ratio Lower Upper
104 100
78 48.1 38.1 57.1
103 55.2 44.3 66.5





#71

Bromoform

Concen: 57.678 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

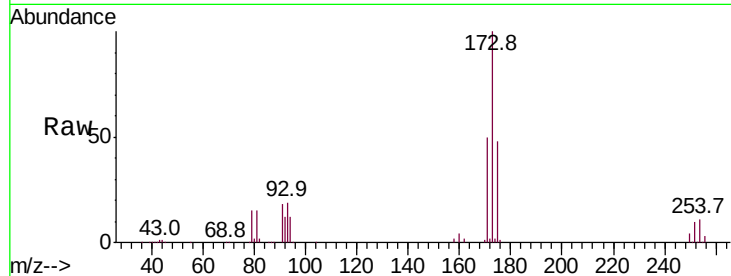
ClientSampled :

VSTDCCC050

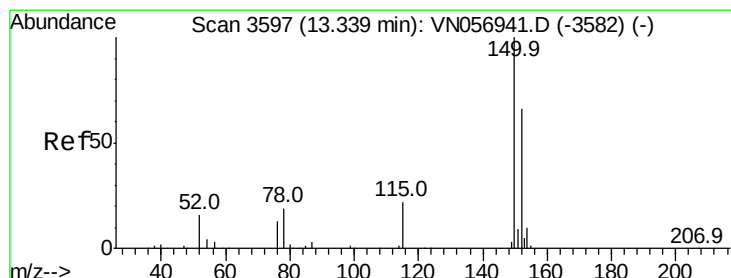
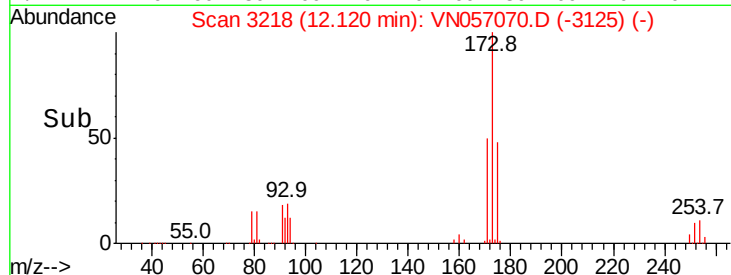
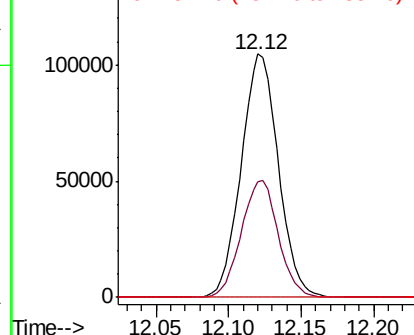
Tot Ion:	173	Resp:	186171
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.1	72.4
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

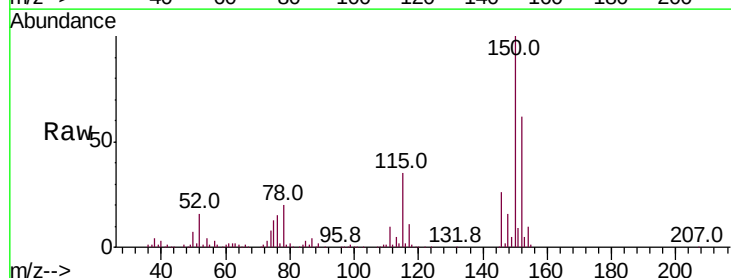
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

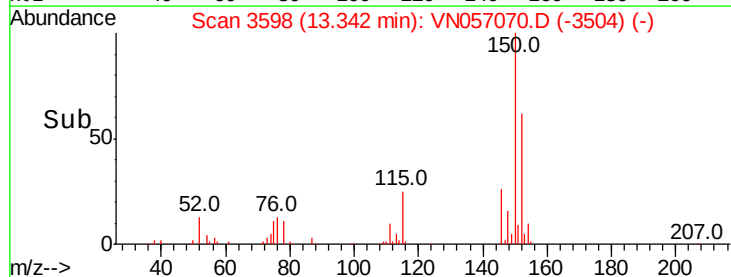
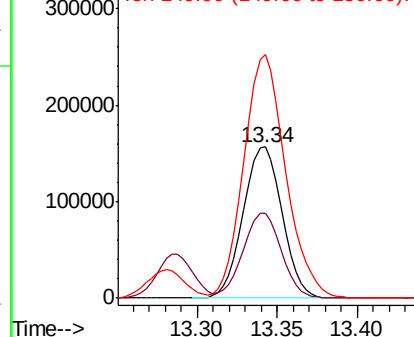
Lab File: VN057070.D

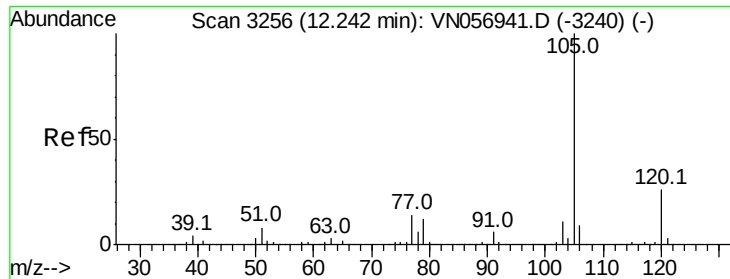
Acq: 5 Aug 2019 9:27

Tgt Ion:	152	Resp:	260100
Ion Ratio	Lower	Upper	
152	100		
115	55.4	28.2	84.6
150	173.3	0.0	349.4



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





#73

Isopropylbenzene

Concen: 50.434 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1133714

Ion Ratio Lower Upper

105 100

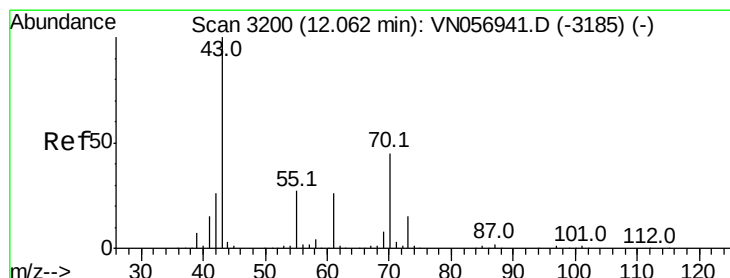
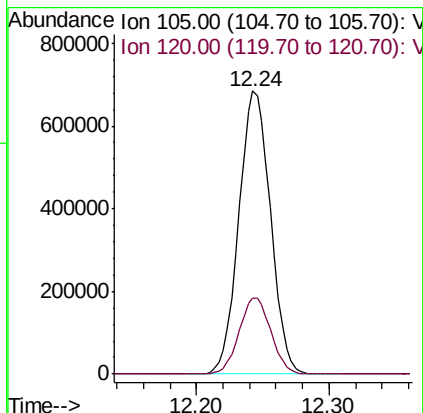
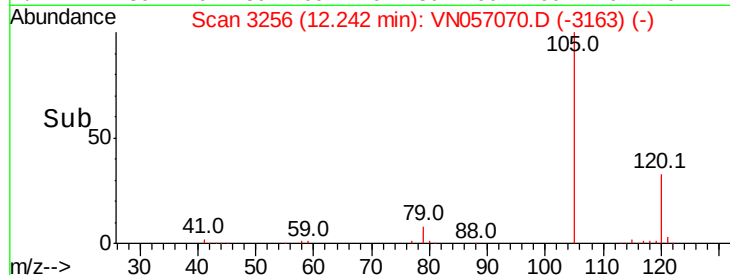
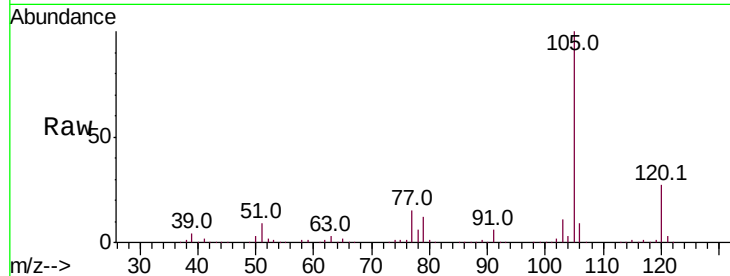
120 27.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 48.576 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion: 43 Resp: 317059

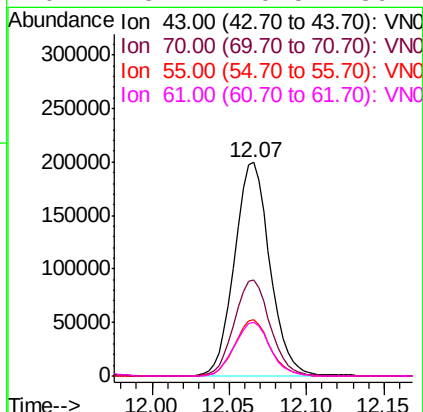
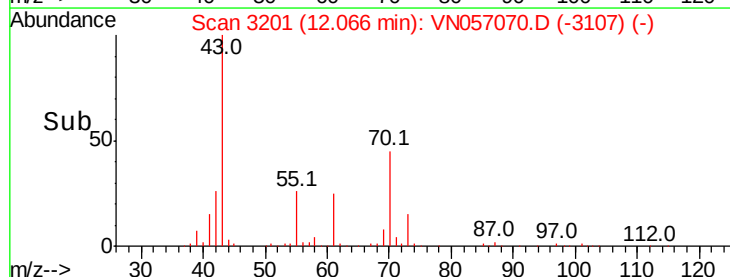
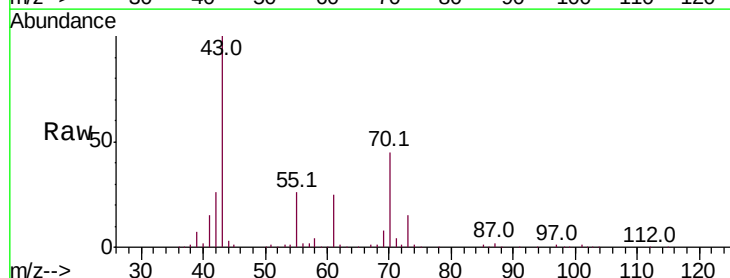
Ion Ratio Lower Upper

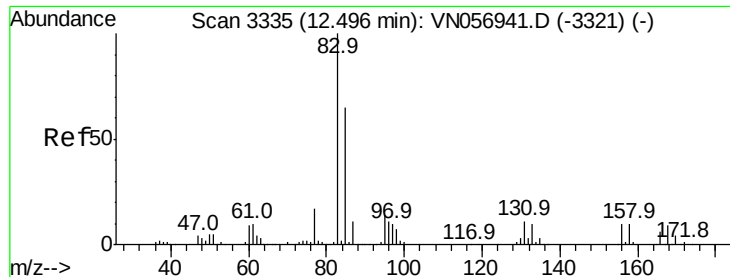
43 100

70 45.7 36.5 54.7

55 26.4 21.4 32.0

61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.311 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

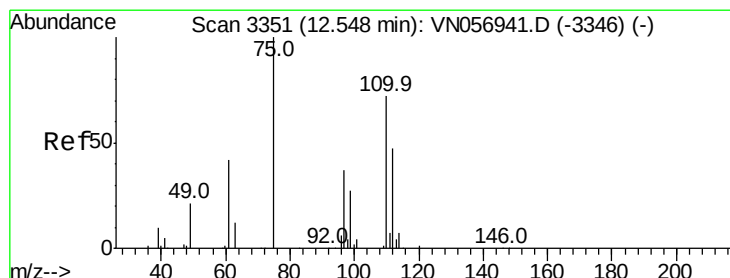
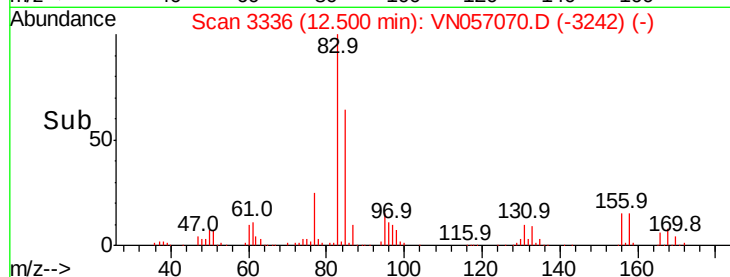
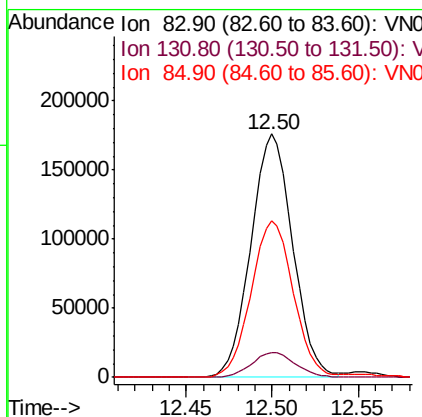
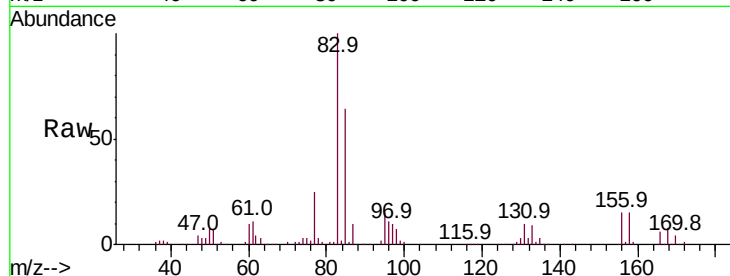
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	296550
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.7	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 46.036 ug/l m

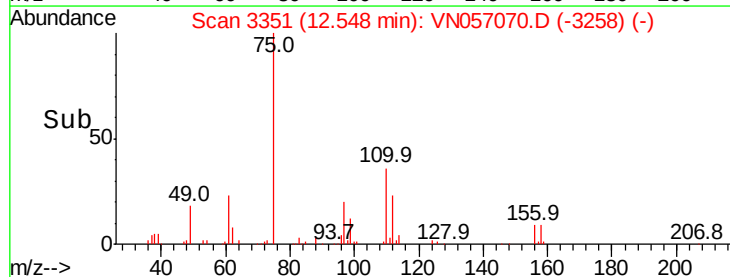
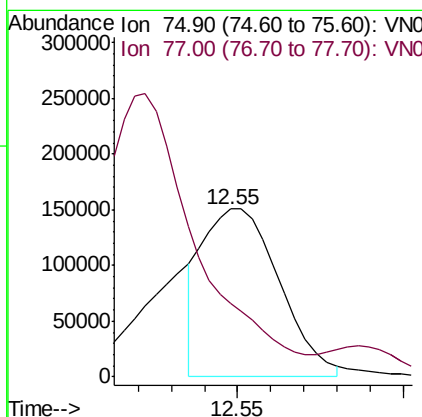
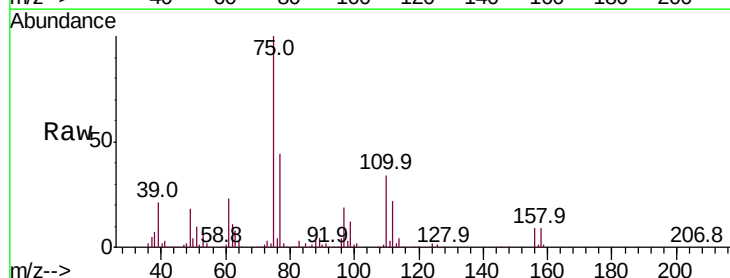
RT: 12.55 min Scan# 3351

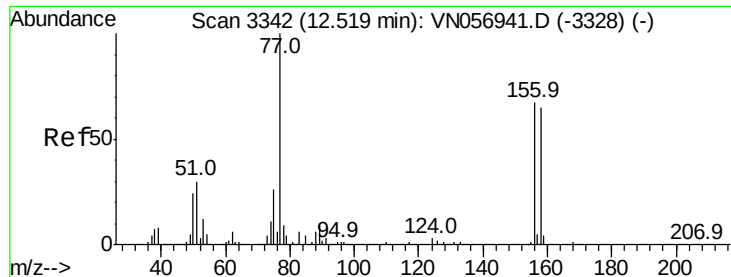
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	75	Resp:	243170
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.190 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 300324

Ion Ratio Lower Upper

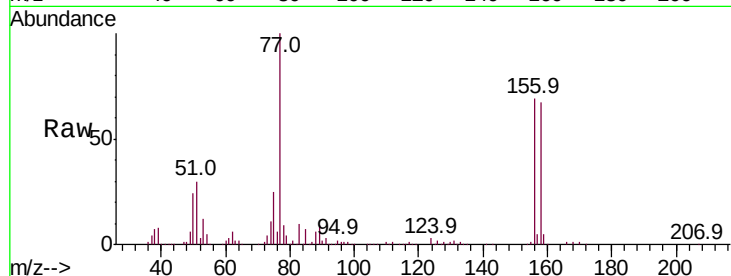
156 100

77 173.3 89.5 268.5

158 97.0 48.4 145.3

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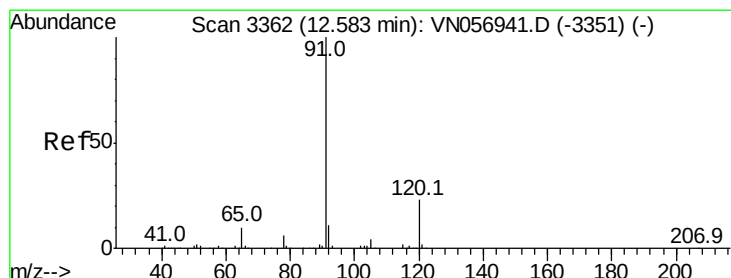
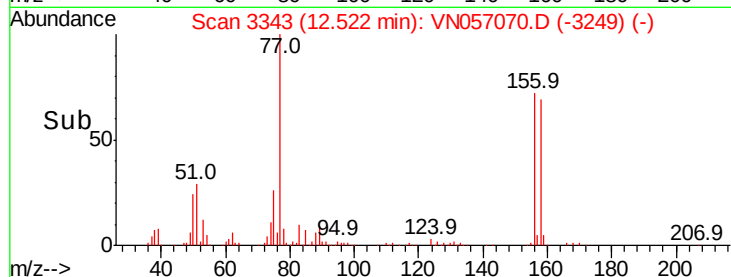
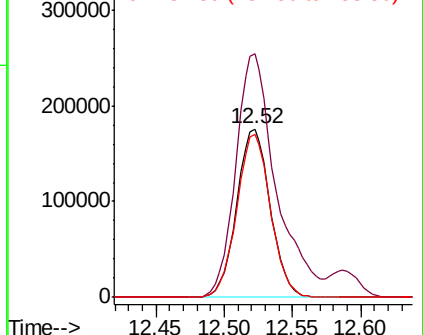
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.353 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057070.D

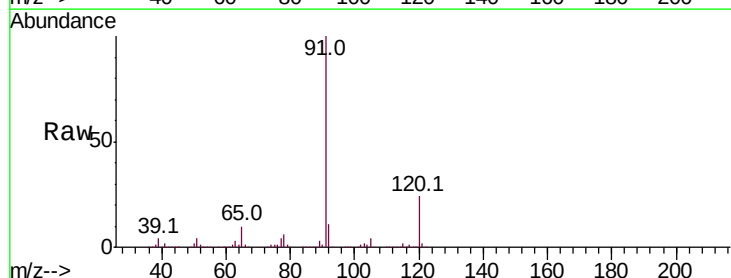
Acq: 5 Aug 2019 9:27

Tgt Ion: 91 Resp: 1232562

Ion Ratio Lower Upper

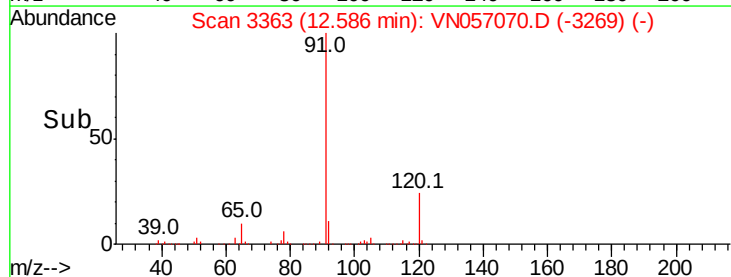
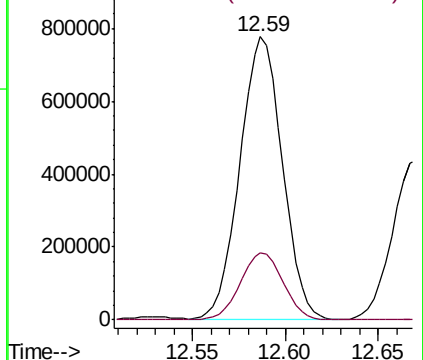
91 100

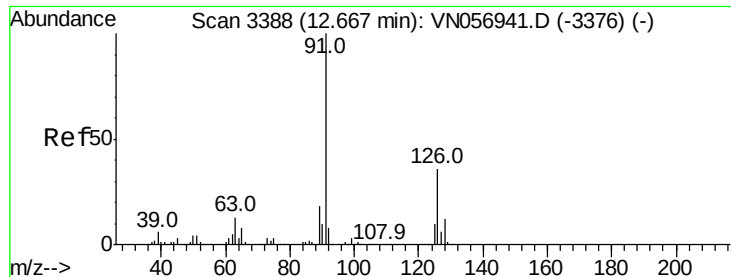
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.044 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 739604

Ion Ratio Lower Upper

91 100

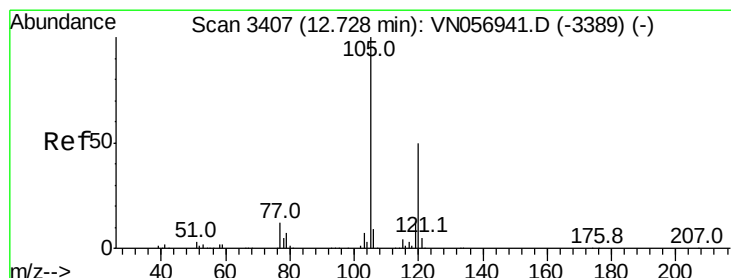
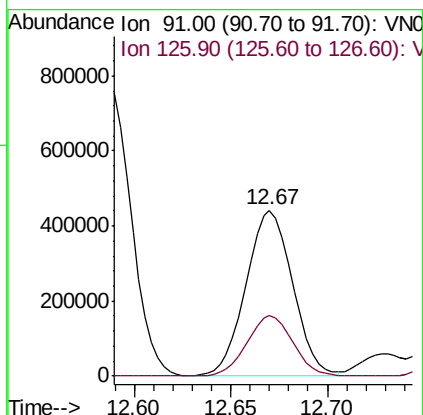
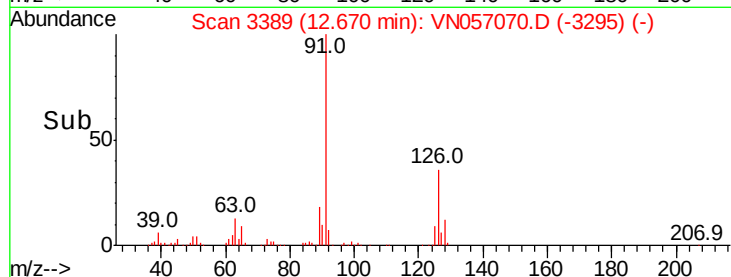
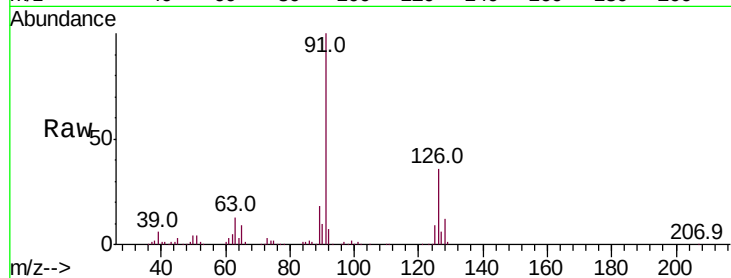
126 36.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 51.758 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057070.D

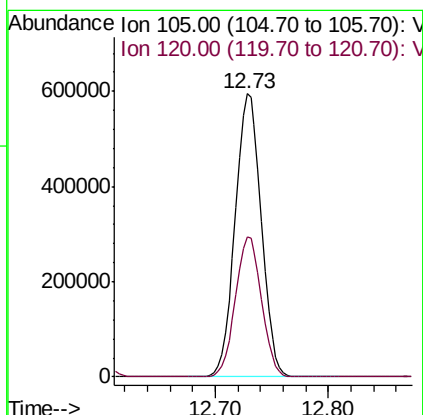
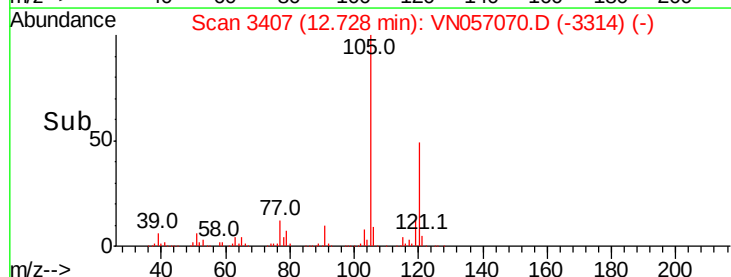
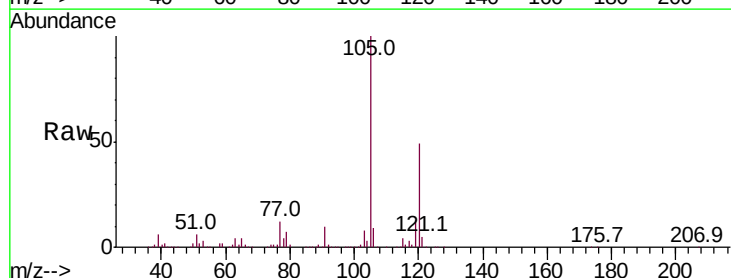
Acq: 5 Aug 2019 9:27

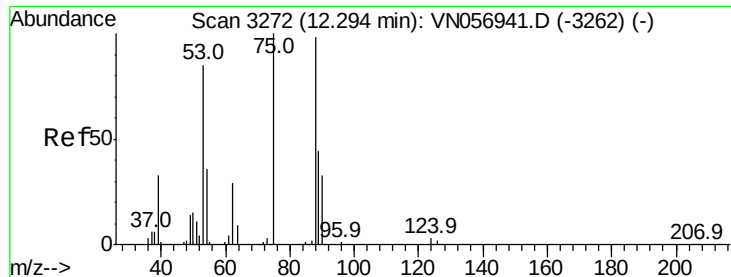
Tgt Ion: 105 Resp: 954903

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.083 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

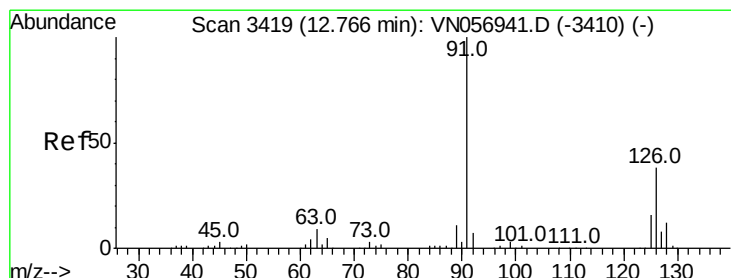
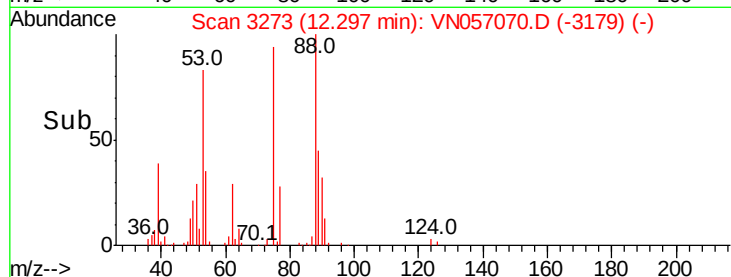
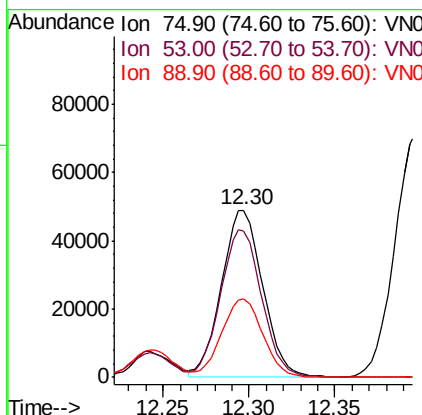
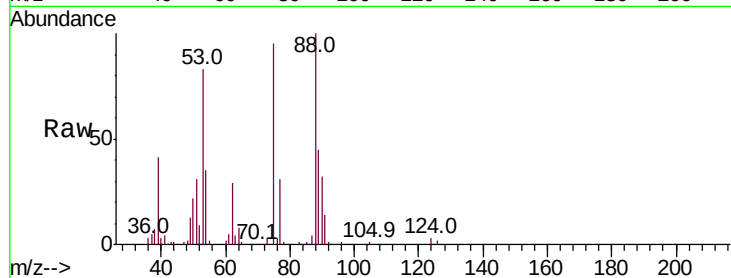
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	82337
Ion	Ratio	Lower	Upper
75	100		
53	88.0	69.3	103.9
89	46.5	35.8	53.6

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#82

4-Chlorotoluene

Concen: 51.956 ug/l

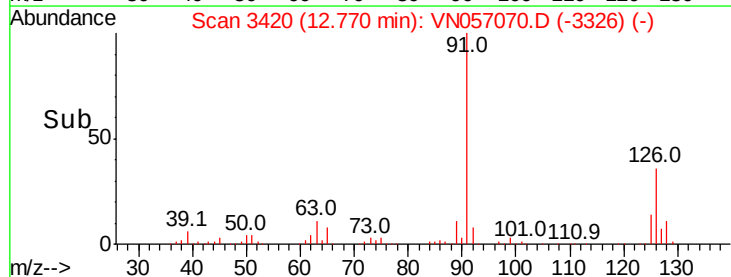
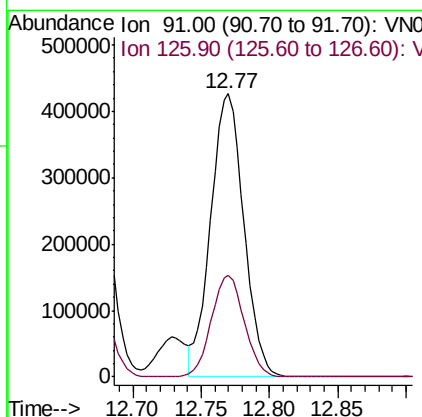
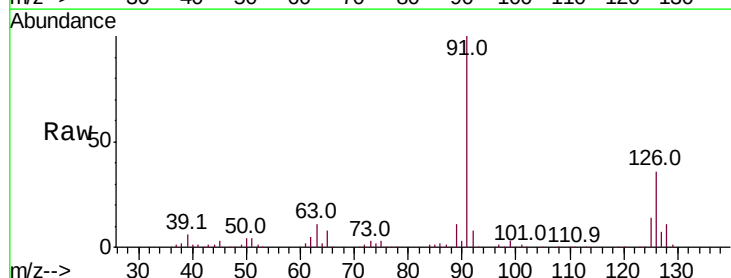
RT: 12.77 min Scan# 3420

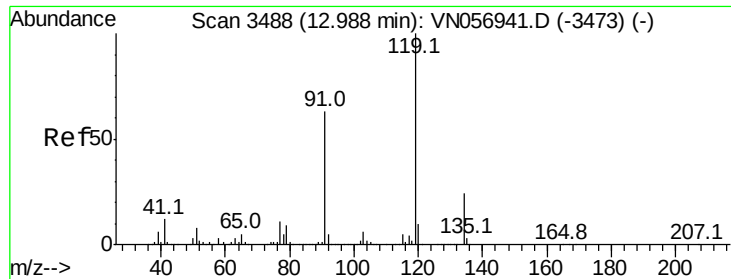
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	91	Resp:	718593
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.5	52.5





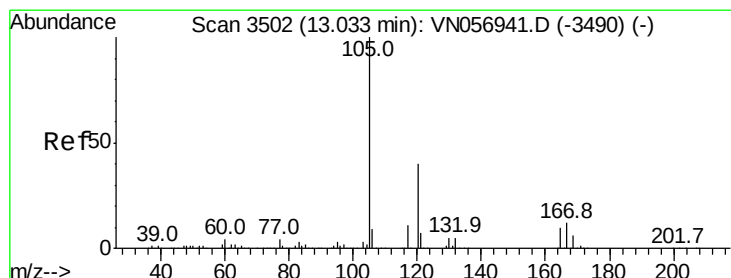
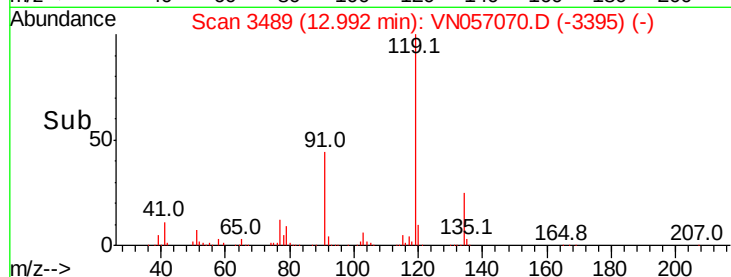
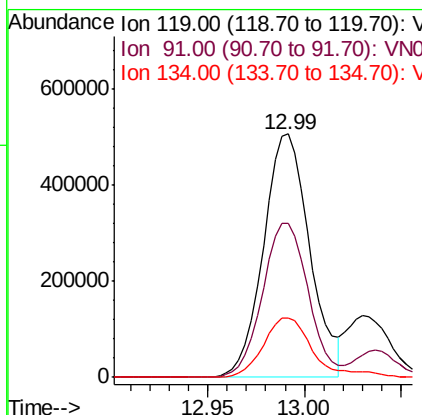
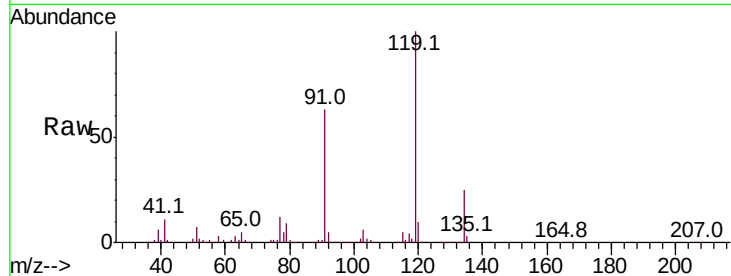
#83
 tert-Butylbenzene
 Concen: 51.570 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.3	93.8
134	26.3	13.3	39.8

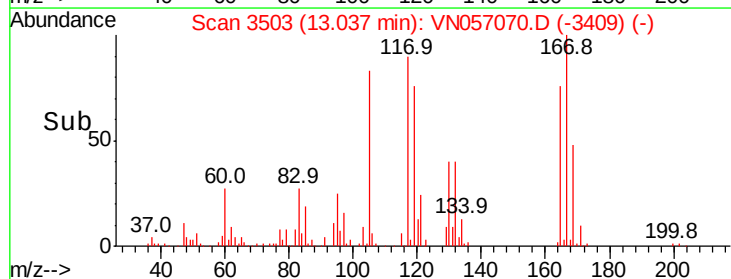
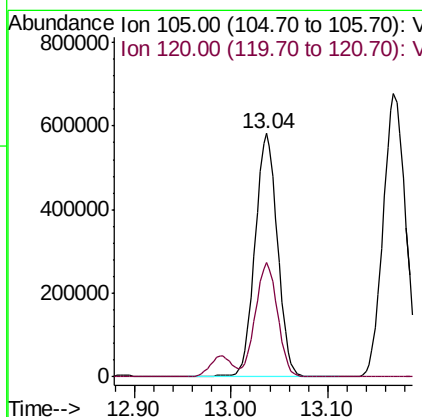
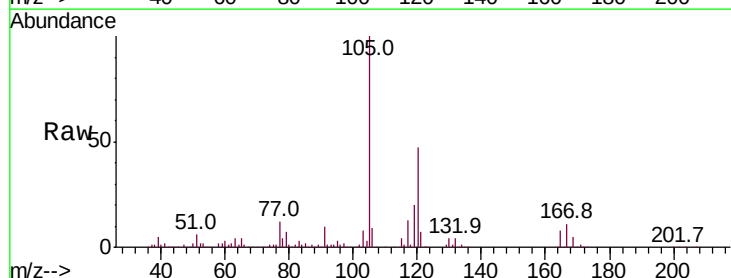
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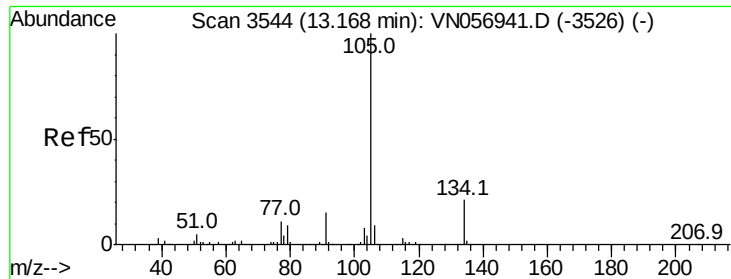
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.817 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 51.745 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1090068

Ion Ratio Lower Upper

105 100

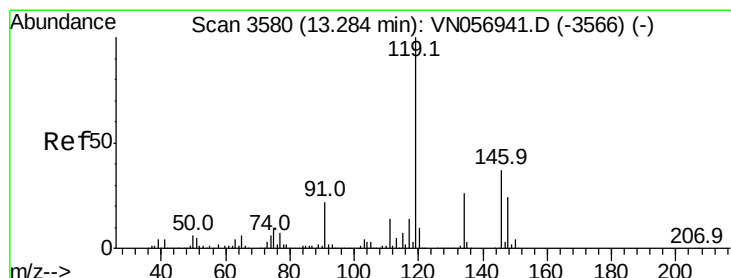
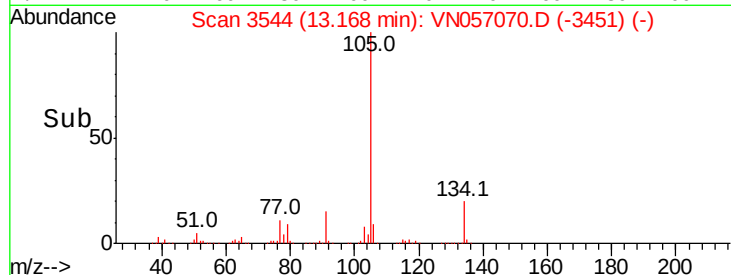
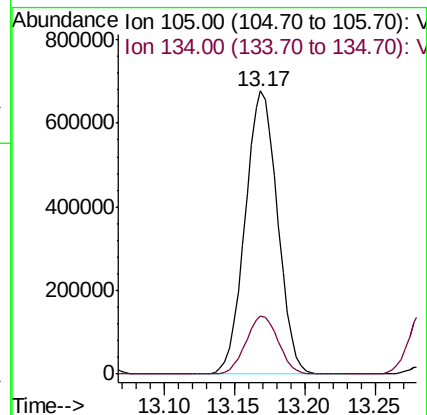
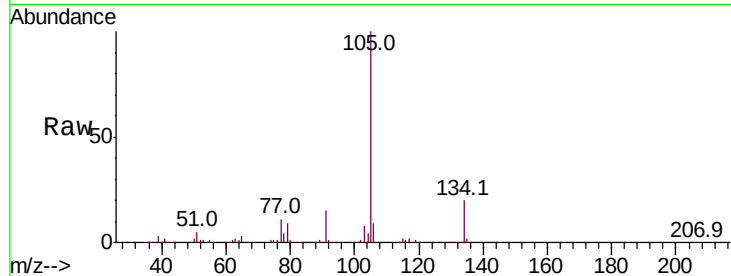
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 52.929 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

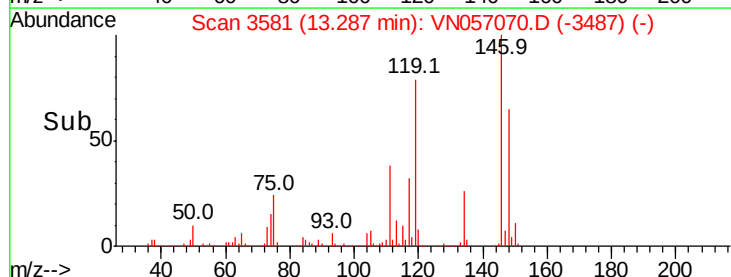
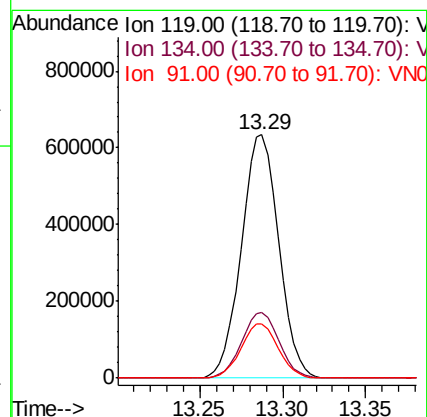
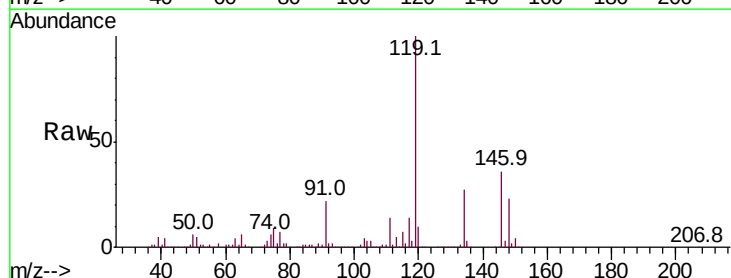
Tgt Ion:119 Resp: 989936

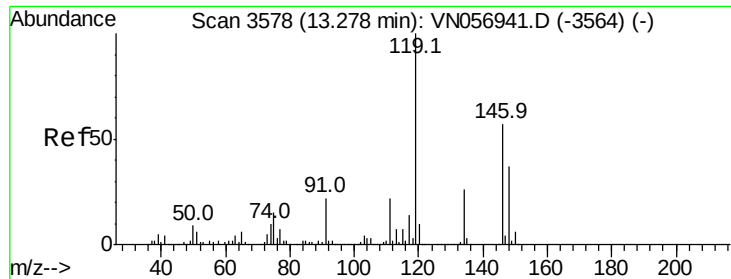
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.1 11.0 33.0





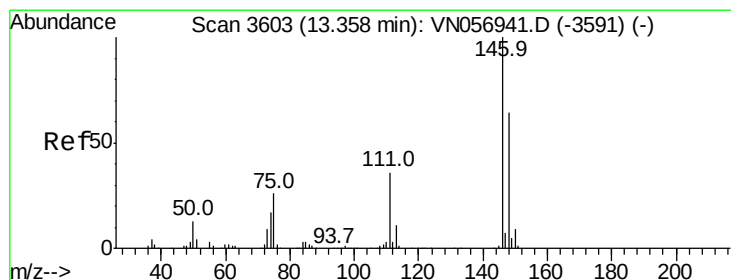
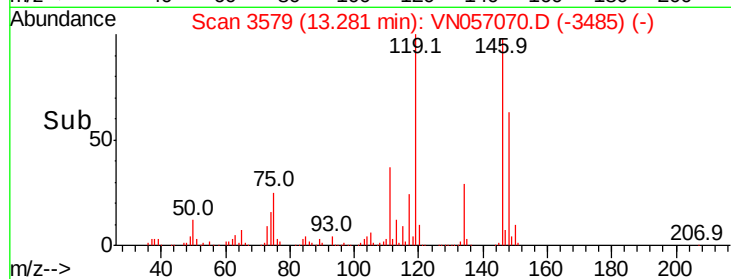
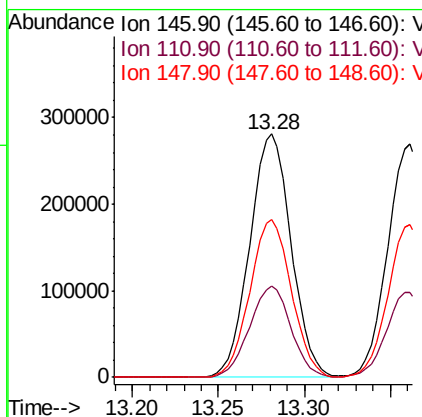
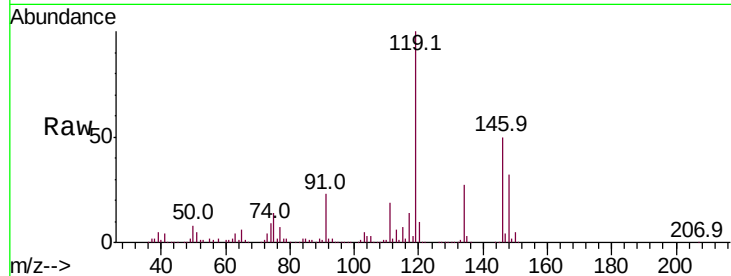
#87
 1,3-Dichlorobenzene
 Concen: 52.470 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	468248		
111	37.5	18.6	55.8	
148	65.0	32.2	96.6	

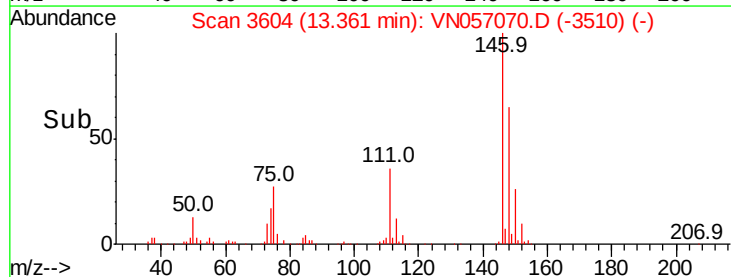
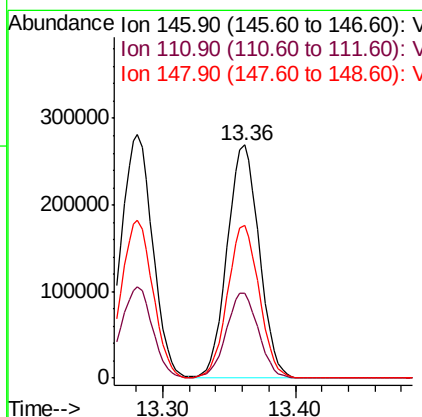
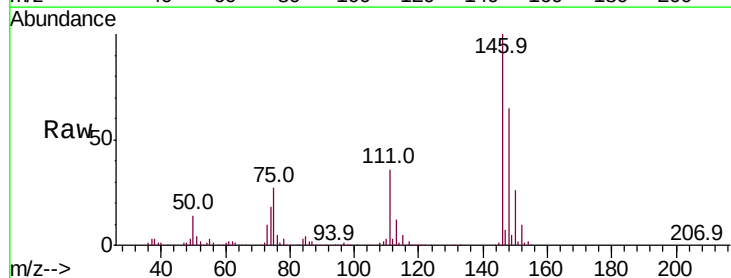
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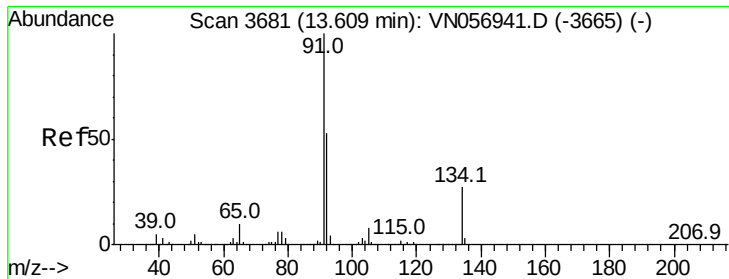
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#88
 1,4-Dichlorobenzene
 Concen: 52.652 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	452344		
111	36.4	18.4	55.2	
148	64.7	32.3	96.9	





#89

n-Butylbenzene

Concen: 53.161 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

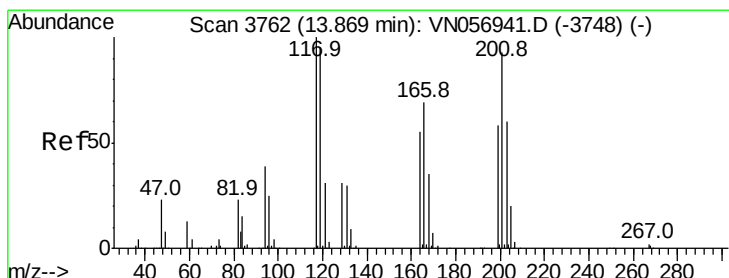
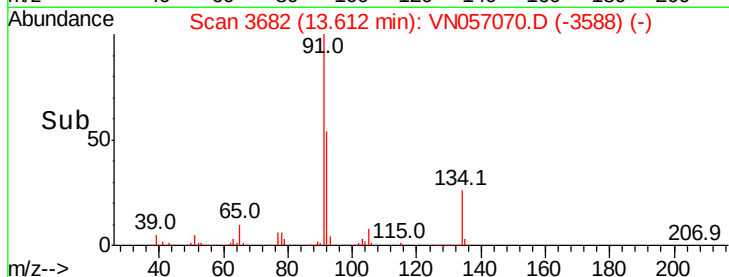
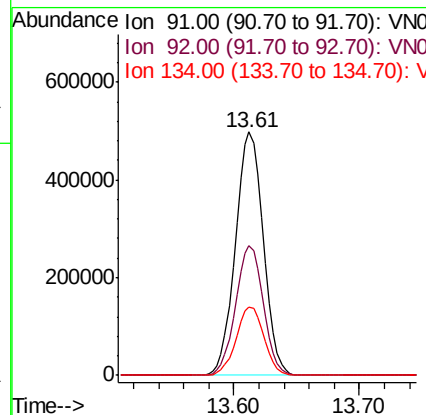
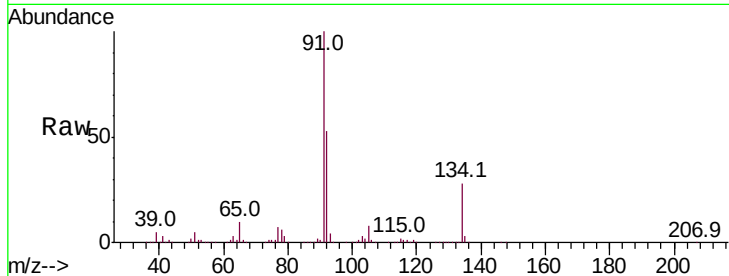
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	766298
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.2	78.5
134	28.0	13.5	40.4

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#90

Hexachloroethane

Concen: 51.517 ug/l

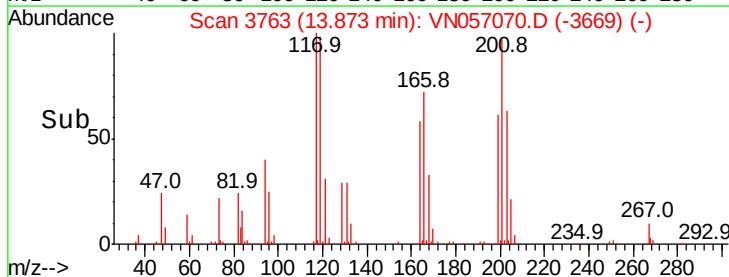
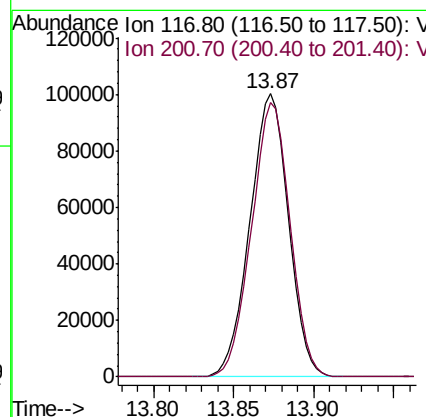
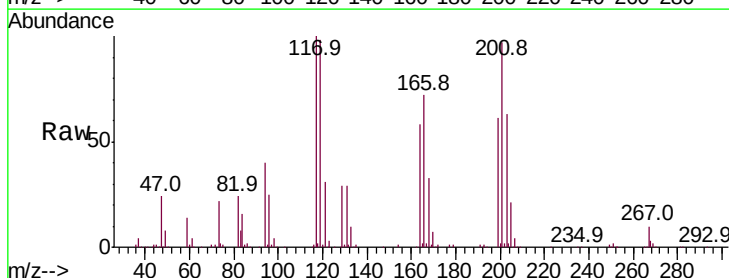
RT: 13.87 min Scan# 3763

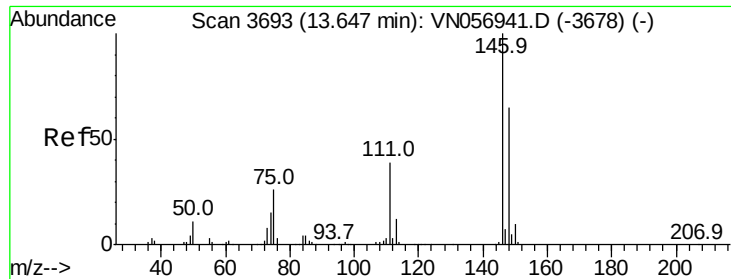
Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Tgt Ion:	117	Resp:	165913
Ion Ratio	Lower	Upper	
117	100		
201	97.0	47.0	141.2





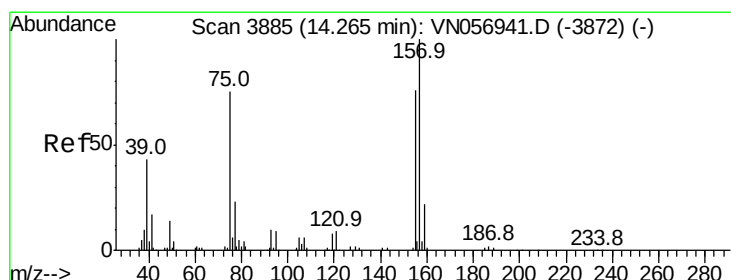
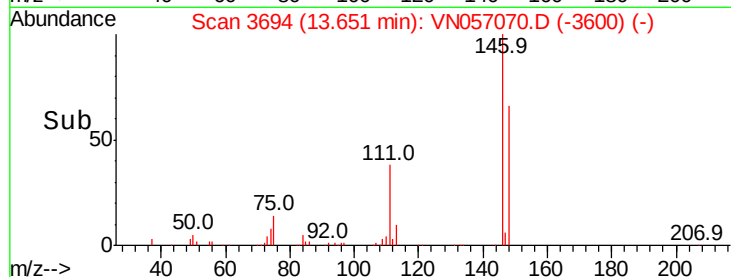
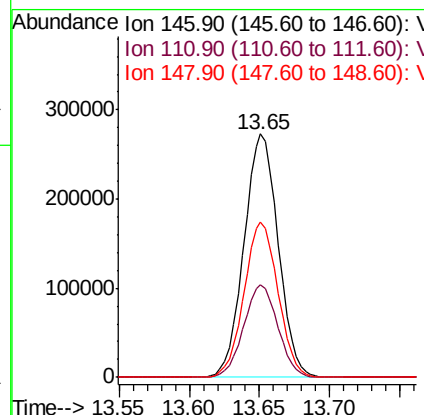
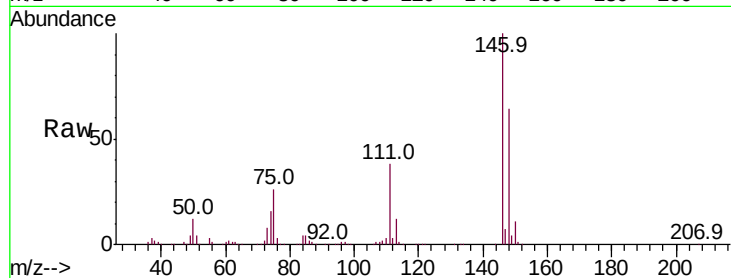
#91
 1,2-Dichlorobenzene
 Concen: 52.881 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	464462		
111	38.0	19.4	58.4	
148	63.4	32.2	96.6	

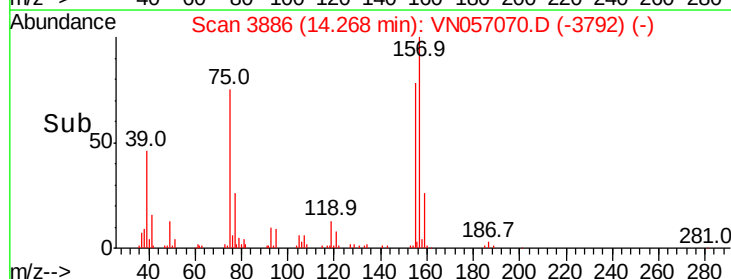
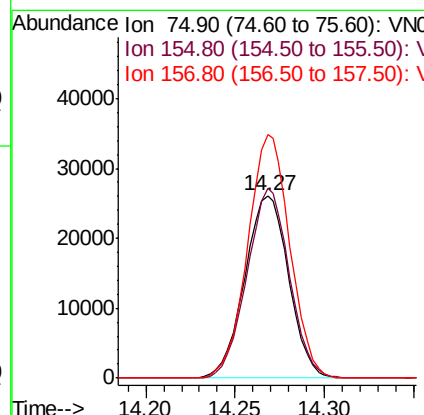
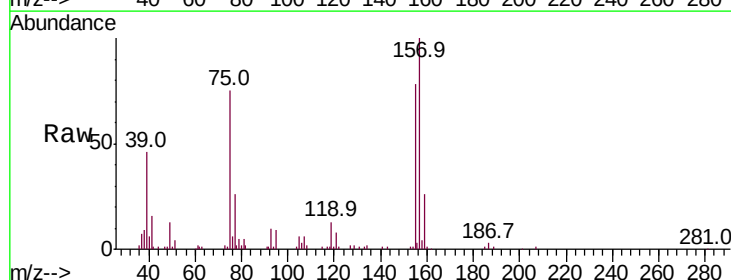
Manual Integrations
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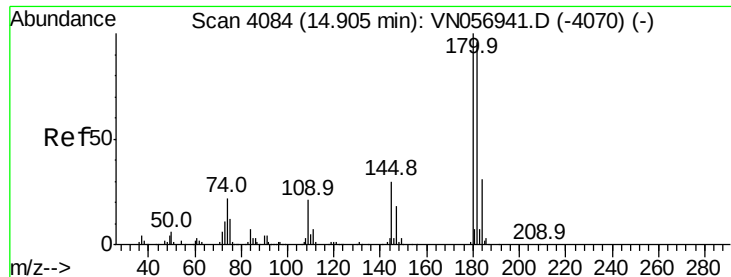
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.219 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057070.D
 Acq: 5 Aug 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44899		
155	100.3	50.2	150.6	
157	128.0	65.1	195.4	





#93

1,2,4-Trichlorobenzene

Concen: 44.281 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057070.D

Acq: 5 Aug 2019 9:27

Instrument :

MSVOA_N

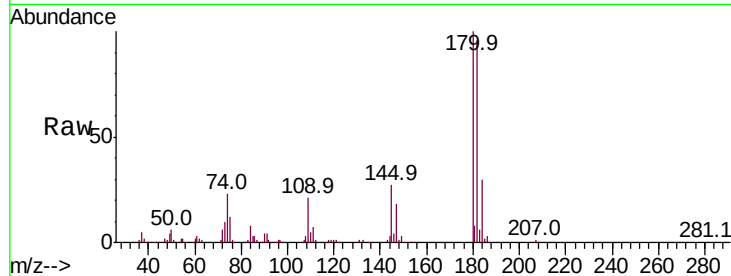
ClientSampleId :

VSTDCCC050

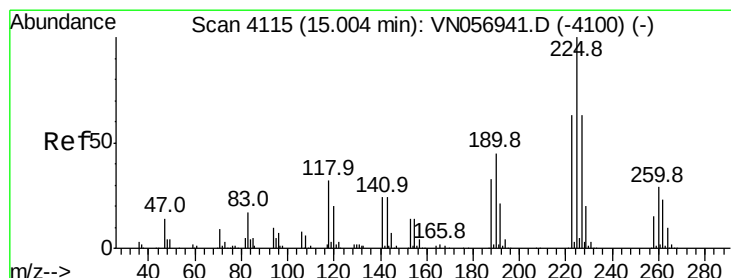
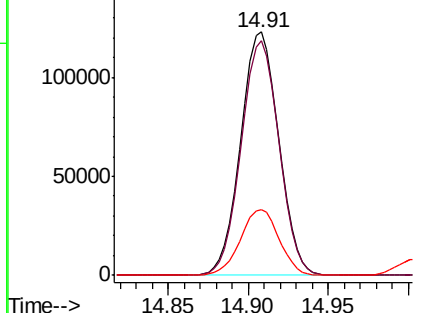
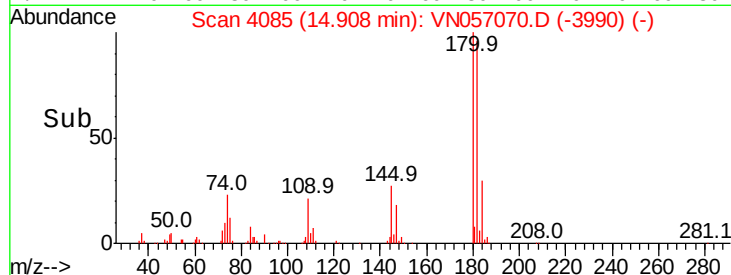
Tot Ion:	180	Resp:	199152
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.6	142.8
145	27.3	14.2	42.8

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 59.395 ug/l

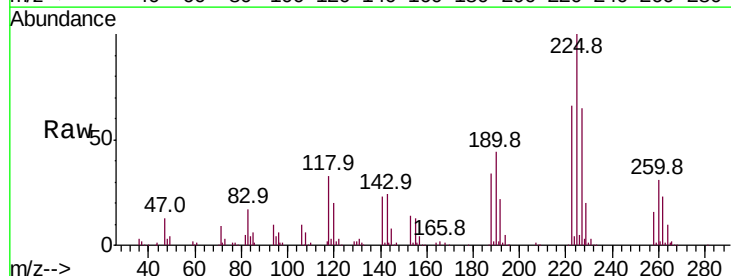
RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

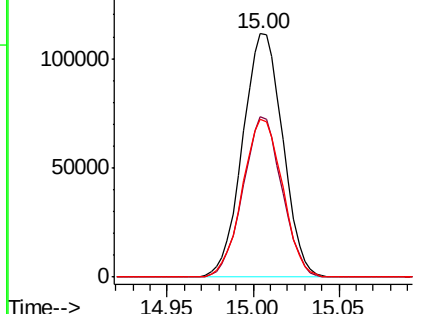
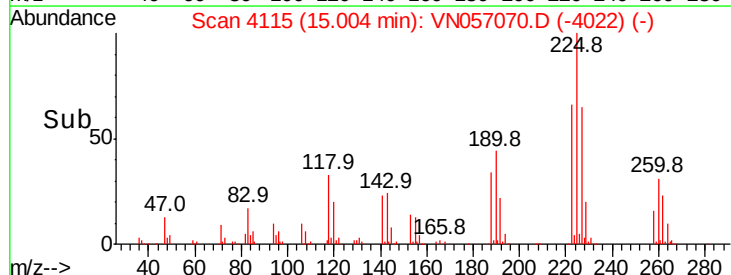
Lab File: VN057070.D

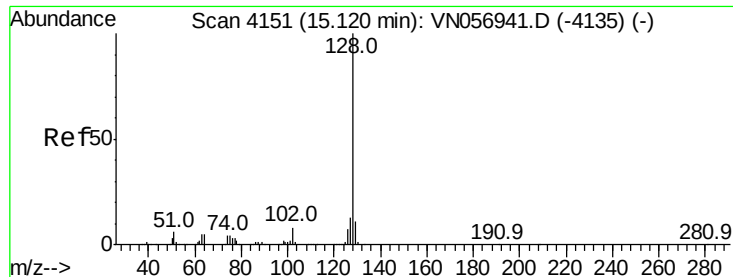
Acq: 5 Aug 2019 9:27

Tgt Ion:	225	Resp:	180312
Ion Ratio	Lower	Upper	
225	100		
223	64.0	30.8	92.4
227	64.9	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





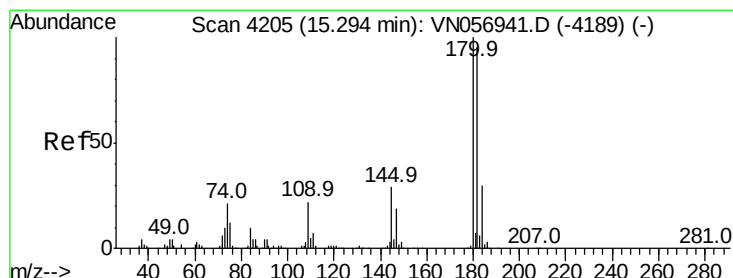
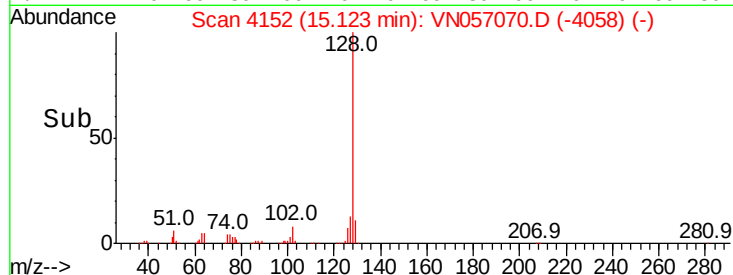
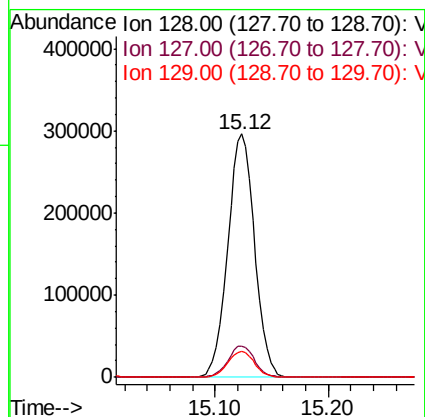
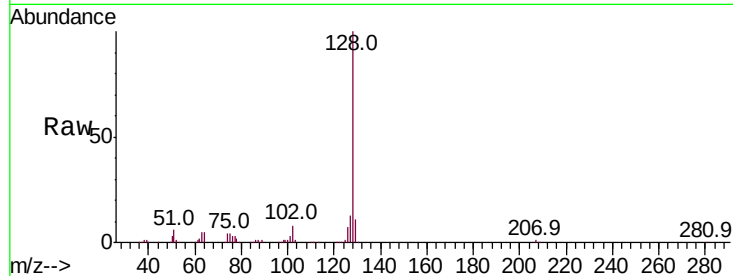
#95
Naphthalene
Concen: 44.431 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128	Resp:	486262
Ion Ratio	Lower	Upper
128 100		
127 12.9	10.0	15.0
129 10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.029 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057070.D
Acq: 5 Aug 2019 9:27

Tgt Ion:180	Resp:	224299
Ion Ratio	Lower	Upper
180 100		
182 95.4	48.0	144.2
145 29.4	15.0	45.0

