

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055764.D
 Acq On : 23 May 2019 19:42
 Operator : JC/SP
 Sample : VN0523WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:23:48 AM

Quant Time: May 24 07:30:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	377787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	537731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	193584	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	172574	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	651940	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	215263	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45784	18.007	ug/l	100
3) Chloromethane	2.06	50	65361	18.348	ug/l	99
4) Vinyl Chloride	2.19	62	71663	18.861	ug/l	98
5) Bromomethane	2.54	94	49872	20.980	ug/l	98
6) Chloroethane	2.69	64	45185	19.752	ug/l	100
7) Trichlorofluoromethane	3.01	101	96493	19.371	ug/l	100
8) Diethyl Ether	3.40	74	42833	19.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59100	19.006	ug/l	98
10) Methyl Iodide	3.94	142	89819	19.757	ug/l	99
11) Tert butyl alcohol	4.81	59	80190	107.574	ug/l	99
12) 1,1-Dichloroethene	3.72	96	62251	19.375	ug/l	97
13) Acrolein	3.60	56	46991	88.036	ug/l	99
14) Allyl chloride	4.31	41	102689	18.644	ug/l	99
15) Acrylonitrile	4.99	53	165702	96.804	ug/l	100
16) Acetone	3.82	43	138538	80.780	ug/l	100
17) Carbon Disulfide	4.04	76	165232	18.101	ug/l	100
18) Methyl Acetate	4.33	43	70141	19.342	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	207331	19.348	ug/l	98
20) Methylene Chloride	4.55	84	69896	18.819	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	65586	19.001	ug/l	95
22) Diisopropyl ether	5.96	45	202366	18.890	ug/l	99
23) Vinyl Acetate	5.90	43	880635	95.877	ug/l	99
24) 1,1-Dichloroethane	5.84	63	117654	18.863	ug/l	100
25) 2-Butanone	6.84	43	216669	90.462	ug/l	98
26) 2,2-Dichloropropane	6.82	77	90316	16.731	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	79226	19.673	ug/l	97
28) Bromochloromethane	7.19	49	60234	20.283	ug/l	96
29) Tetrahydrofuran	7.22	42	147250	97.081	ug/l	99
30) Chloroform	7.37	83	120373	19.351	ug/l	98
31) Cyclohexane	7.65	56	111495	19.039	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	108520	19.550	ug/l	99
36) 1,1-Dichloropropene	7.79	75	87299	18.629	ug/l	99
37) Ethyl Acetate	6.93	43	90903	20.071	ug/l	98
38) Carbon Tetrachloride	7.77	117	95854	19.637	ug/l	99

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108363	18.674	ug/l	98
40) Benzene	8.04	78	278142	19.694	ug/l	99
41) Methacrylonitrile	7.18	41	41140	17.980	ug/l	95
42) 1,2-Dichloroethane	8.12	62	91078	19.736	ug/l	100
43) Isopropyl Acetate	8.17	43	147029	19.321	ug/l #	92
44) Trichloroethene	8.83	130	80452	20.434	ug/l	98
45) 1,2-Dichloropropane	9.12	63	72296	19.648	ug/l	99
46) Dibromomethane	9.21	93	47857	19.832	ug/l	95
47) Bromodichloromethane	9.40	83	96382	19.478	ug/l	99
48) Methyl methacrylate	9.20	41	70990	20.242	ug/l	99
49) 1,4-Dioxane	9.20	88	30575	419.519	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	445938	99.223	ug/l	100
52) Toluene	10.16	92	175525	19.761	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98423	18.634	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	111963	19.135	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69603	19.560	ug/l	98
56) Ethyl methacrylate	10.43	69	107910	19.622	ug/l	100
57) 1,3-Dichloropropane	10.71	76	112820	19.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	199972	95.151	ug/l	99
59) 2-Hexanone	10.75	43	306620	96.171	ug/l	99
60) Dibromochloromethane	10.90	129	83537	20.152	ug/l	99
61) 1,2-Dibromoethane	11.01	107	73434	19.896	ug/l	99
64) Tetrachloroethene	10.63	164	82205	20.617	ug/l	99
65) Chlorobenzene	11.43	112	190089	20.086	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75639	20.040	ug/l	100
67) Ethyl Benzene	11.51	91	330328	19.464	ug/l	98
68) m/p-Xylenes	11.62	106	253907	39.575	ug/l	100
69) o-Xylene	11.95	106	126841	19.927	ug/l	100
70) Styrene	11.96	104	204726	19.860	ug/l	100
71) Bromoform	12.13	173	64377	19.996	ug/l #	99
73) Isopropylbenzene	12.25	105	333583	21.536	ug/l	99
74) N-amyl acetate	12.07	43	117078	19.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97902	20.919	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	88300m	23.544	ug/l	
77) Bromobenzene	12.53	156	87741	20.214	ug/l	97
78) n-propylbenzene	12.59	91	343263	19.416	ug/l	99
79) 2-Chlorotoluene	12.67	91	213725	20.963	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	274640	21.068	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27388	18.116	ug/l	96
82) 4-Chlorotoluene	12.77	91	201001	19.341	ug/l	100
83) tert-Butylbenzene	12.99	119	243331	21.381	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	269942	20.834	ug/l	99
85) sec-Butylbenzene	13.17	105	305497	20.937	ug/l	98
86) p-Isopropyltoluene	13.29	119	280283	19.841	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	136341	19.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	128753	19.703	ug/l	99
89) n-Butylbenzene	13.61	91	201399	18.607	ug/l	99
90) Hexachloroethane	13.87	117	52691	19.596	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	137392	20.036	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16973	18.832	ug/l	91

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

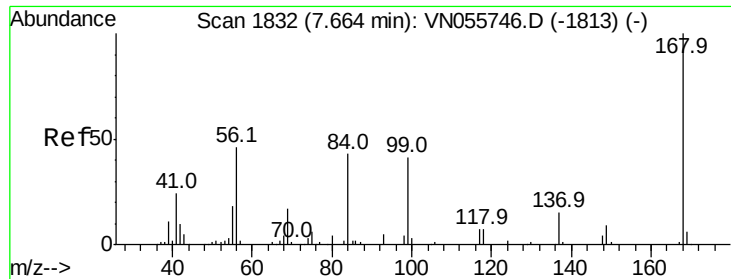
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64318	18.753	ug/l	99
94) Hexachlorobutadiene	15.01	225	55069	21.788	ug/l	99
95) Naphthalene	15.13	128	175942	18.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	70084	19.334	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion:168 Resp: 377787

Ion Ratio Lower Upper

168 100

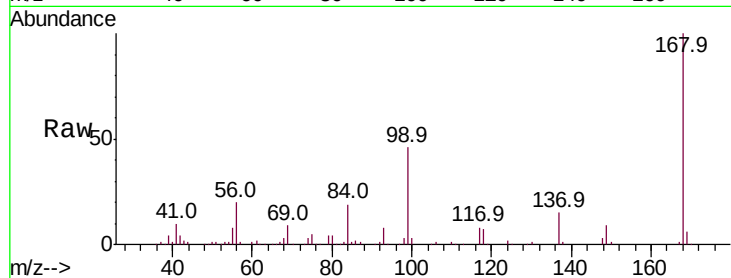
99 44.9 37.2 55.8

Manual Integrations

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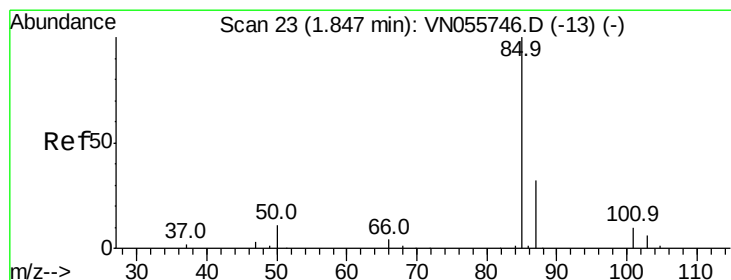
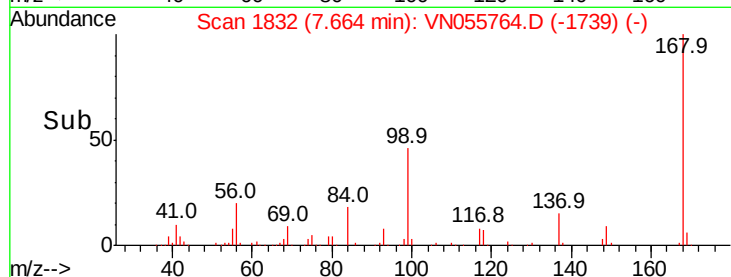
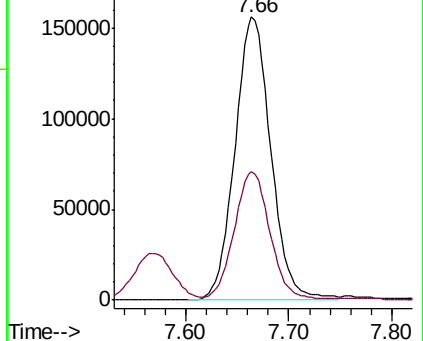
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.007 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055764.D

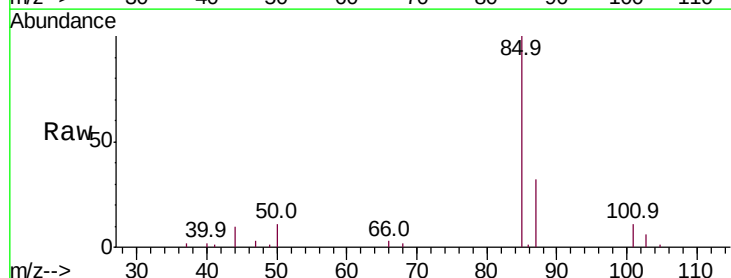
Acq: 23 May 2019 19:42

Tgt Ion: 85 Resp: 45784

Ion Ratio Lower Upper

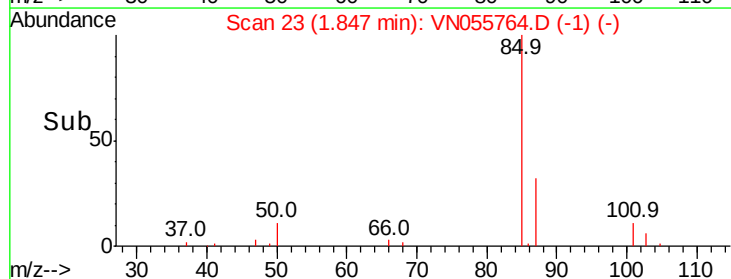
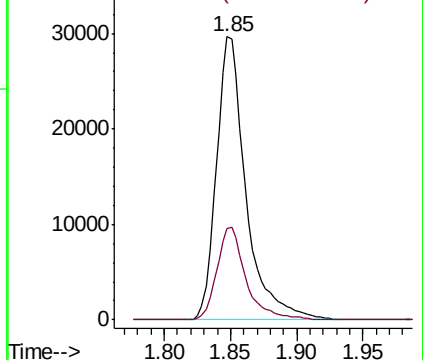
85 100

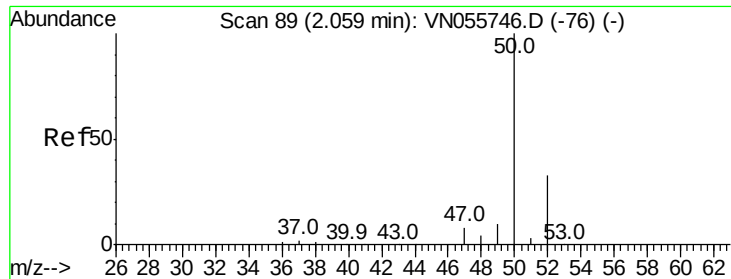
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





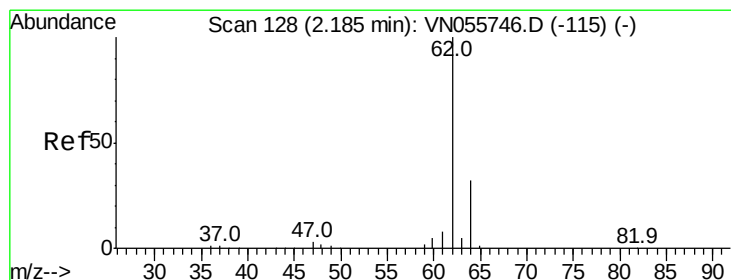
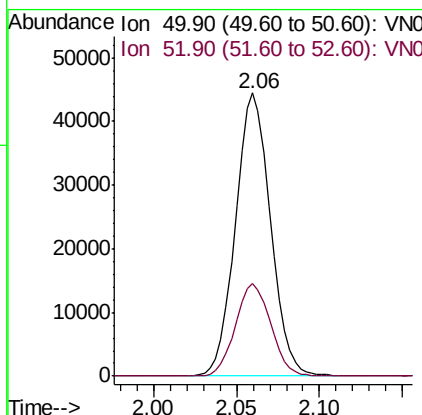
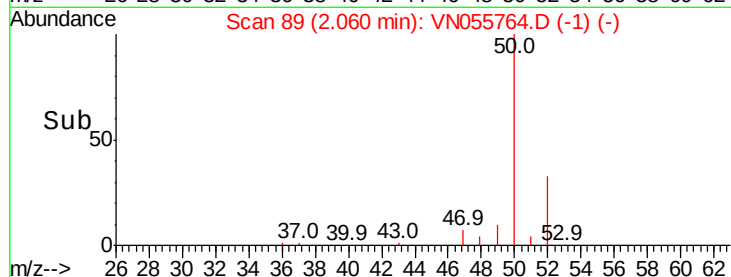
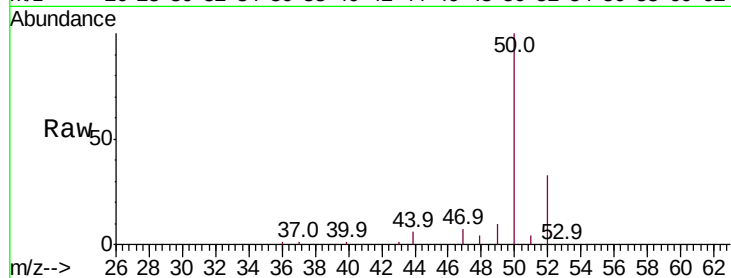
#3
Chloromethane
Concen: 18.348 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion: 50 Resp: 65361
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0

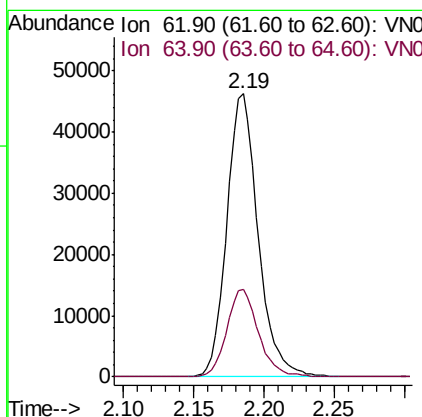
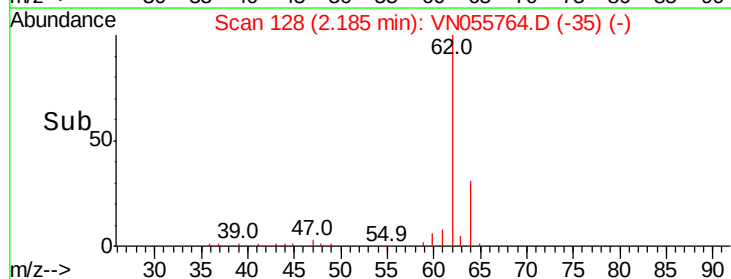
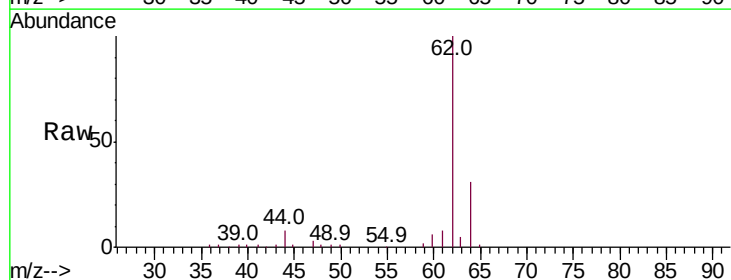
Manual Integrations
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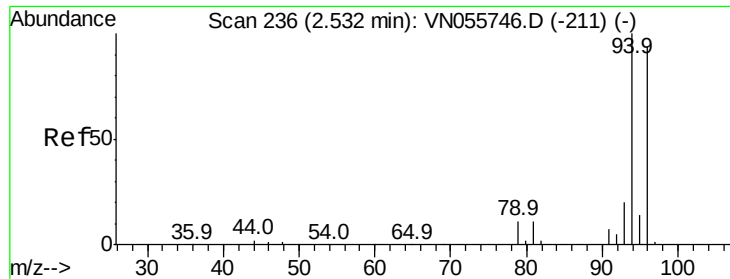
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#4
Vinyl Chloride
Concen: 18.861 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 62 Resp: 71663
Ion Ratio Lower Upper
62 100
64 31.0 25.6 38.4





#5

Bromomethane

Concen: 20.980 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 94 Resp: 49872

Ion Ratio Lower Upper

94 100

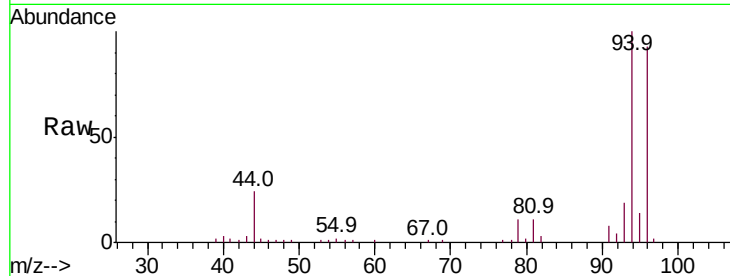
96 92.1 75.5 113.3

Manual Integrations

APPROVED

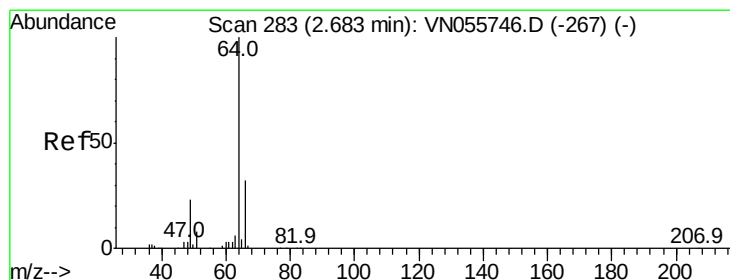
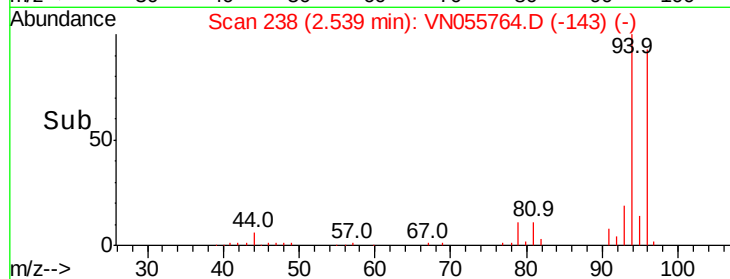
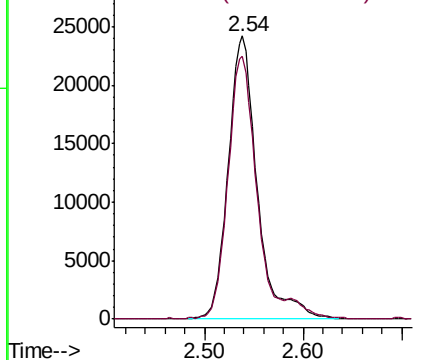
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.752 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055764.D

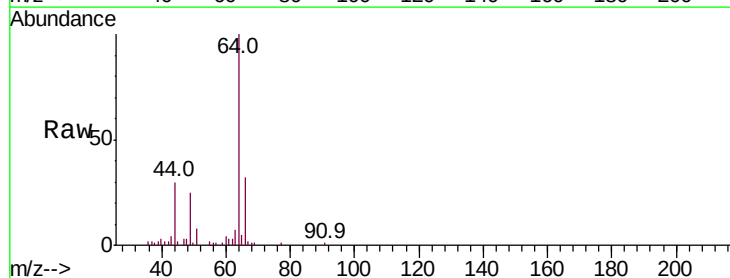
Acq: 23 May 2019 19:42

Tgt Ion: 64 Resp: 45185

Ion Ratio Lower Upper

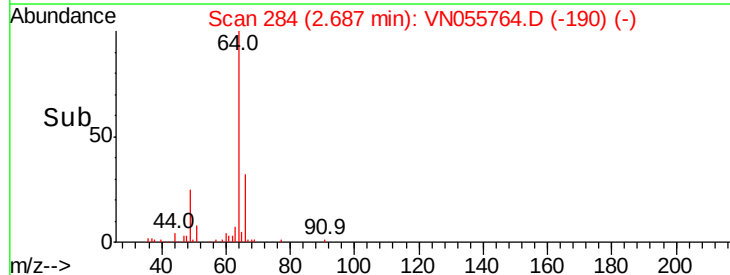
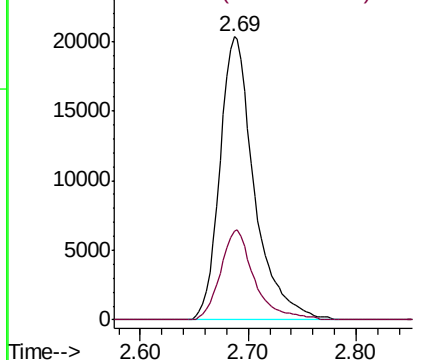
64 100

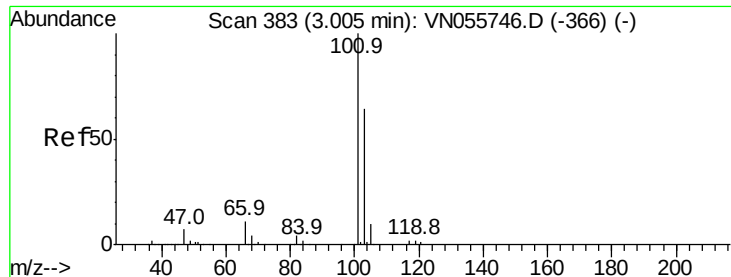
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

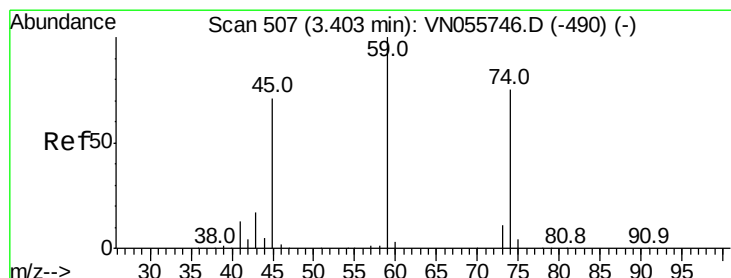
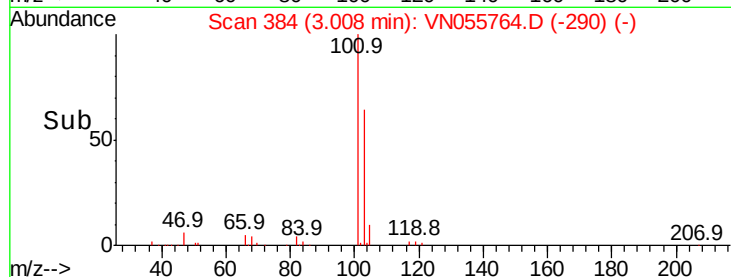
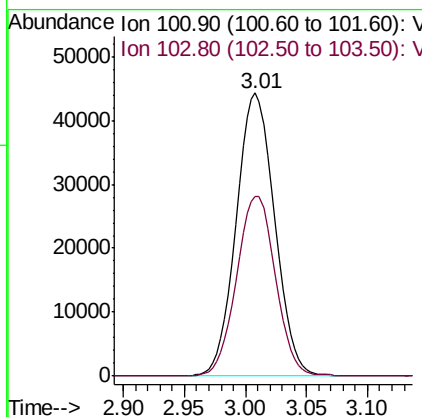
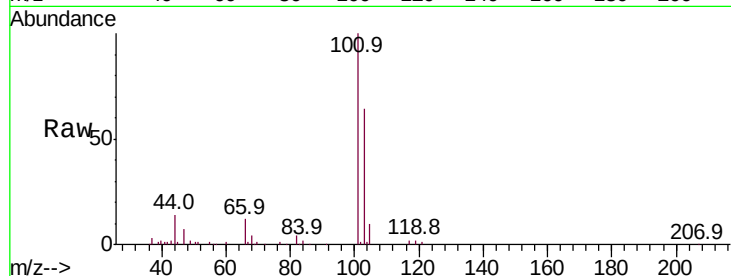
Trichlorofluoromethane
Concen: 19.371 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
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ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.2	76.8

Manual Integrations
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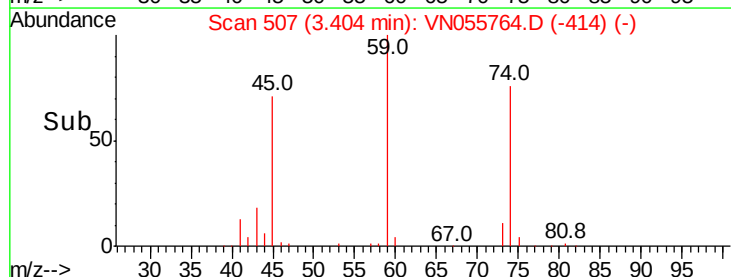
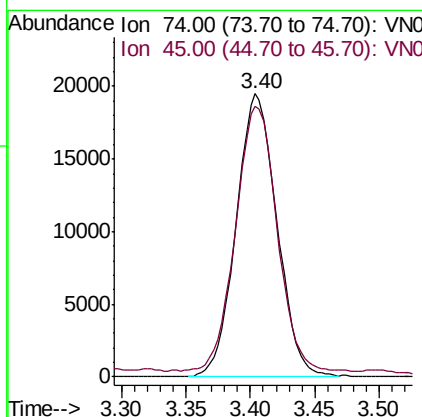
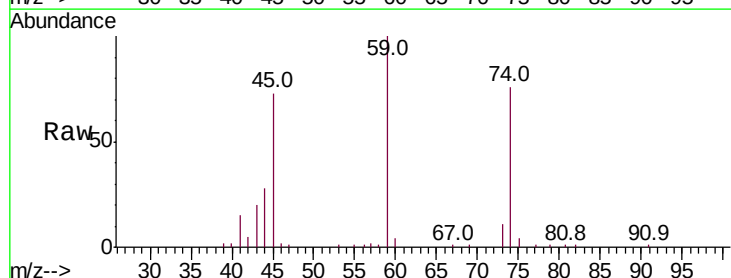
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5/24/2019 9:23:48 AM

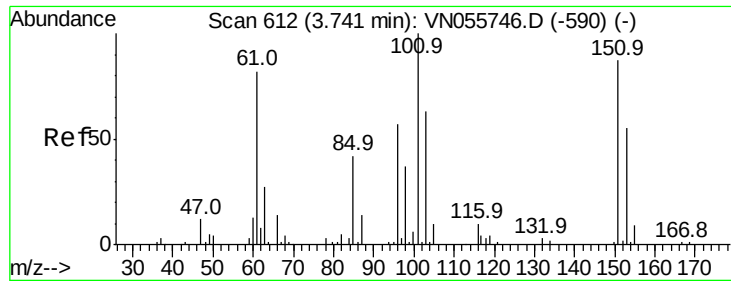


#8

Diethyl Ether
Concen: 19.185 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.006 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

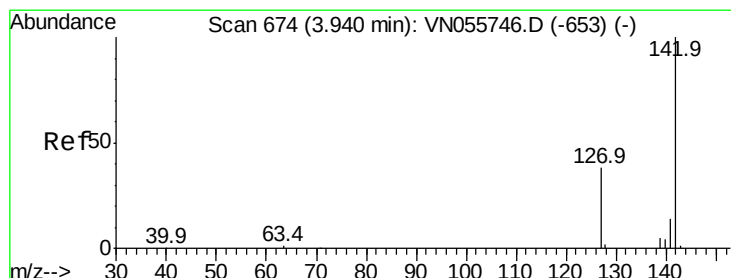
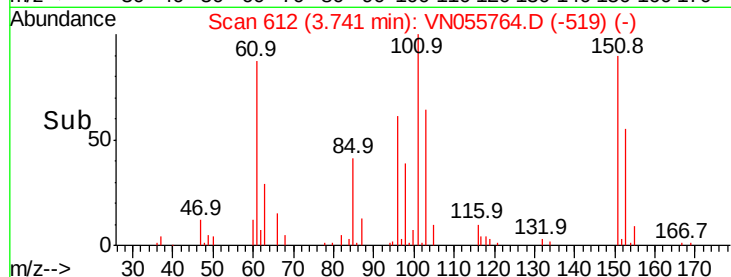
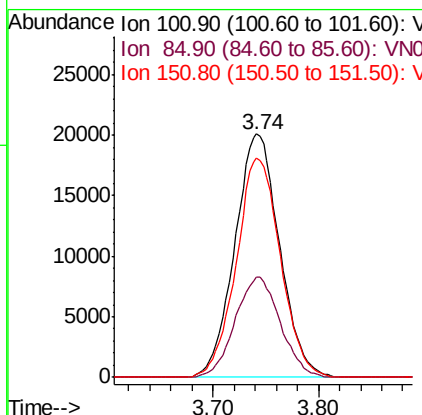
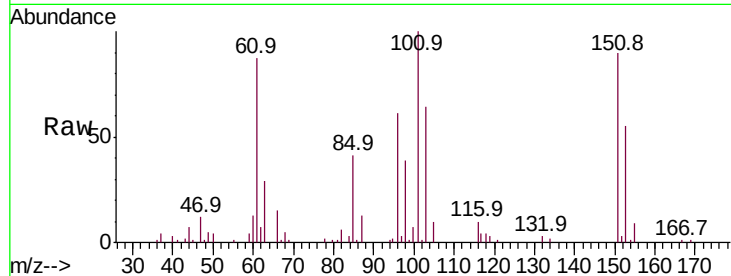
ClientSampleId :

VN0523WBSD01

Tot Ion:	101	Resp:	59100
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.2
151	89.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.757 ug/l

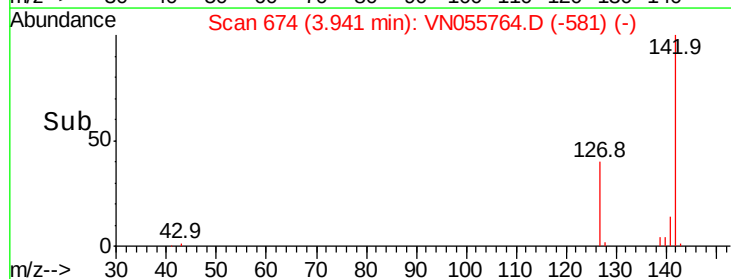
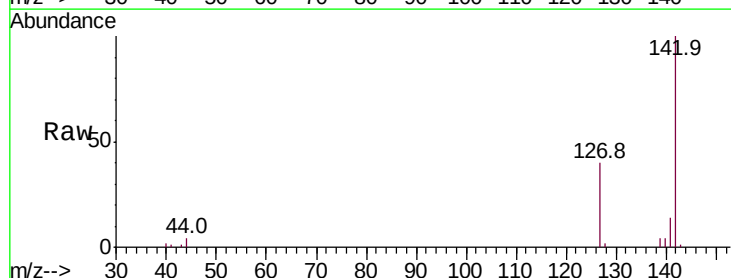
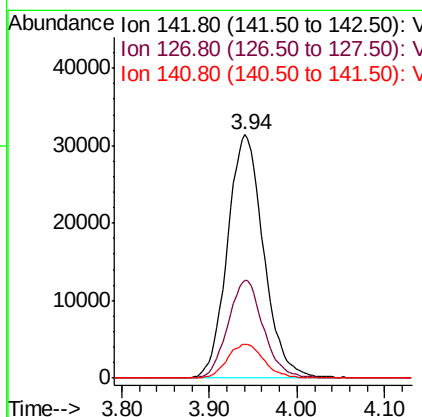
RT: 3.94 min Scan# 674

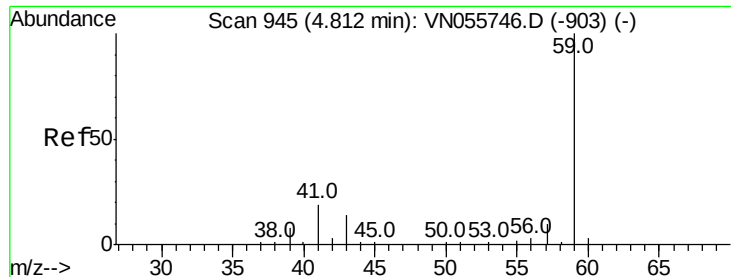
Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	142	Resp:	89819
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.0	46.4
141	14.0	11.4	17.0





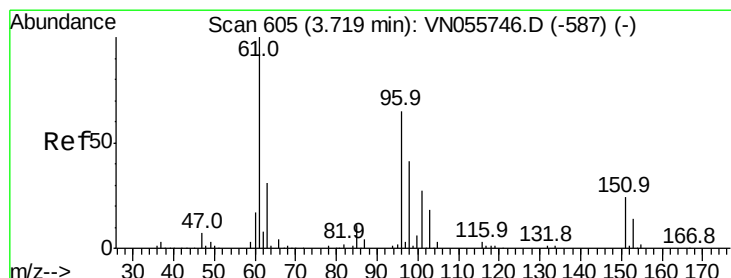
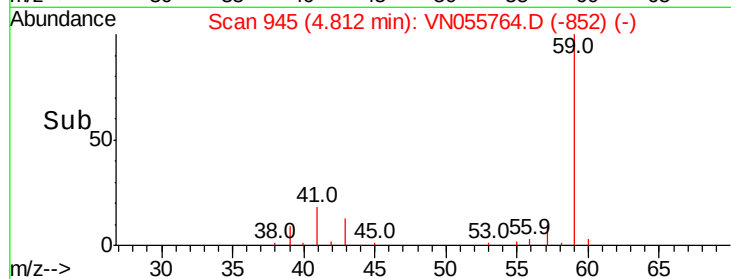
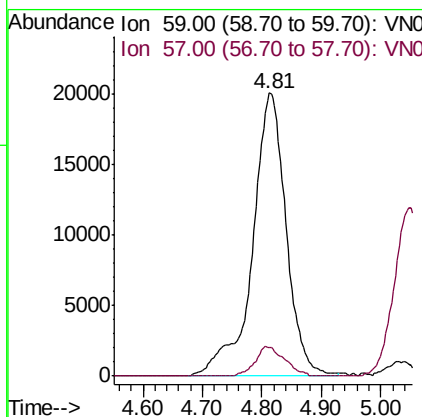
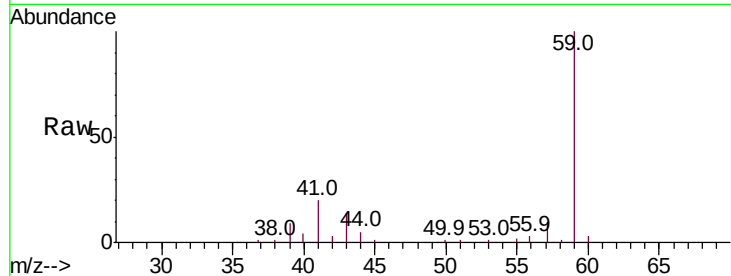
#11
Tert butyl alcohol
Concen: 107.574 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.8	11.6

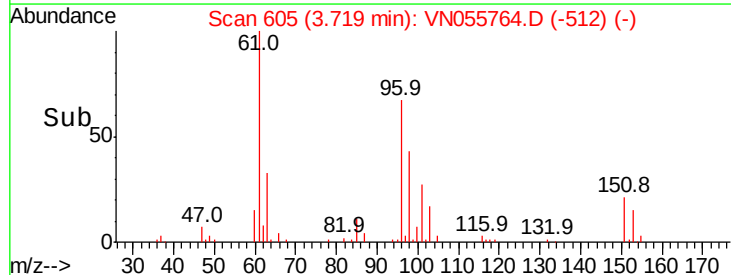
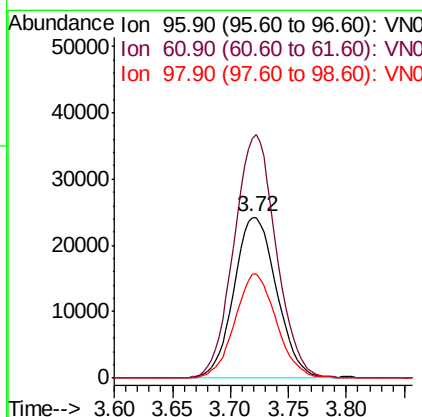
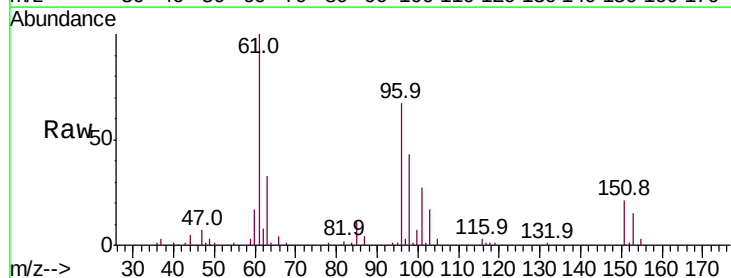
Manual Integrations
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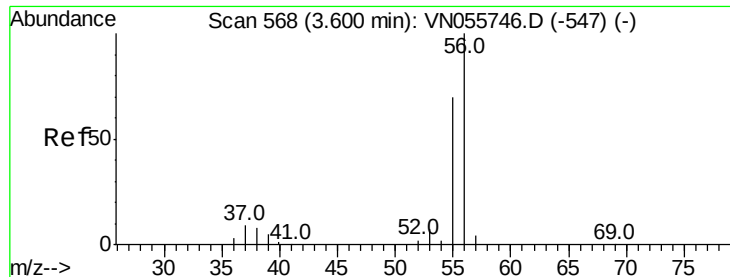
MMDadoda
5/24/2019 9:23:48 AM



#12
1,1-Dichloroethene
Concen: 19.375 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	123.2	184.8
98	64.5	50.4	75.6





#13

Acrolein

Concen: 88.036 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 56 Resp: 46991

Ion Ratio Lower Upper

56 100

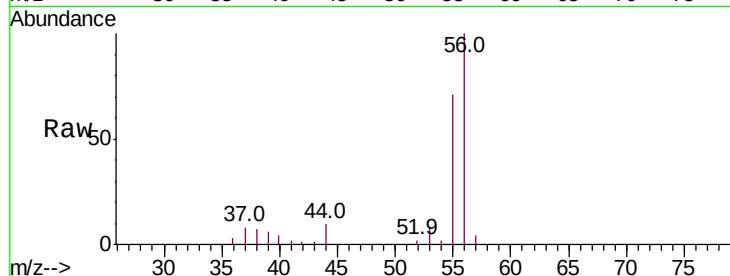
55 70.2 55.4 83.2

Manual Integrations

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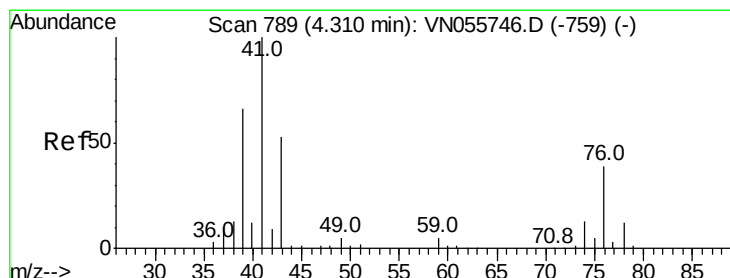
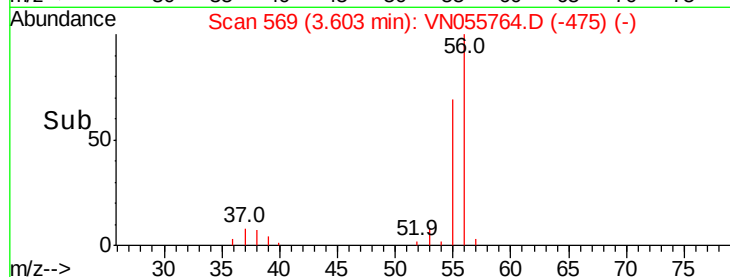
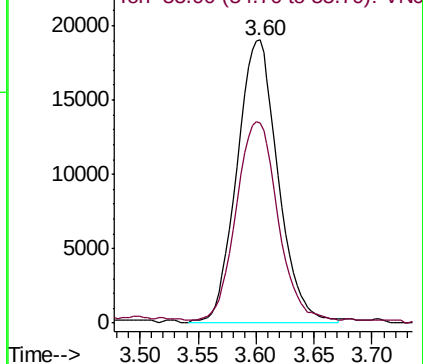
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.644 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

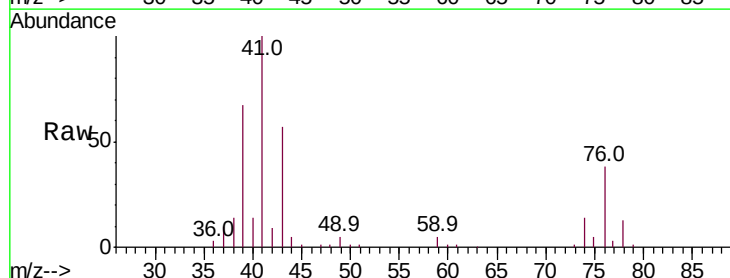
Tgt Ion: 41 Resp: 102689

Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

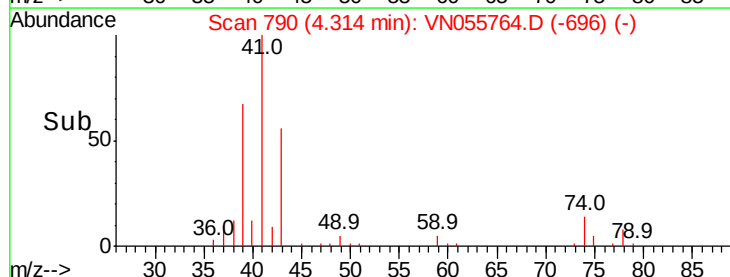
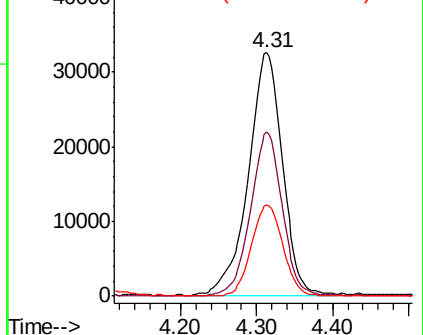
76 34.2 28.2 42.2

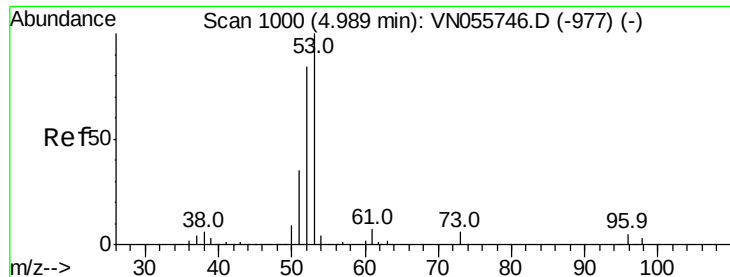


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.804 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

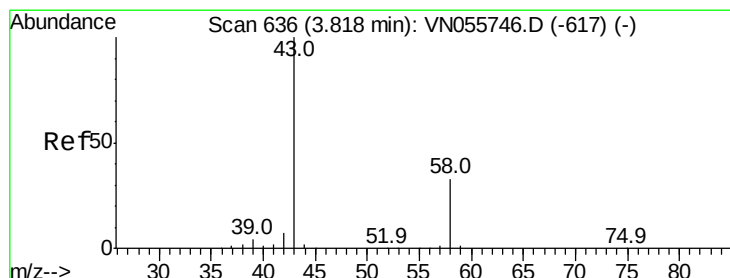
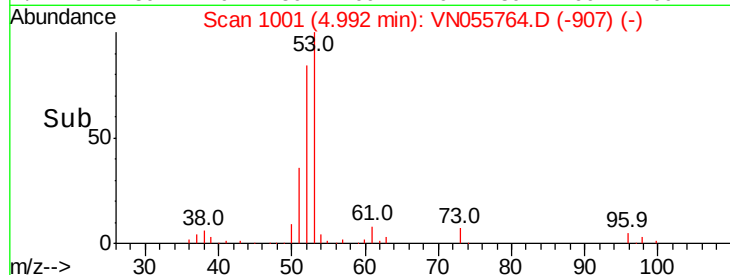
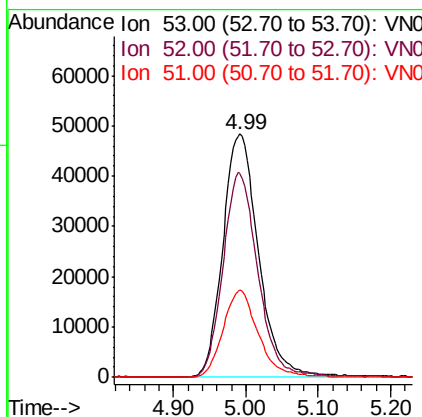
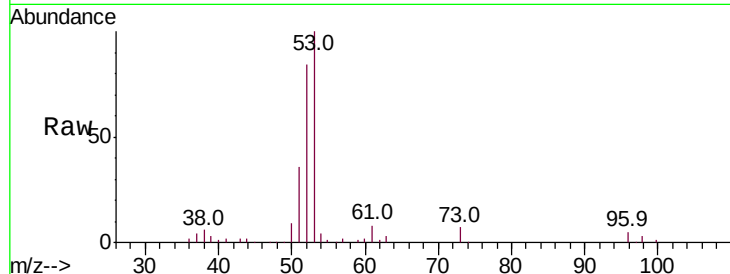
ClientSampleId :

VN0523WBSD01

Tot Ion:	53	Resp:	165702
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	35.3	28.2	42.4

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#16

Acetone

Concen: 80.780 ug/l

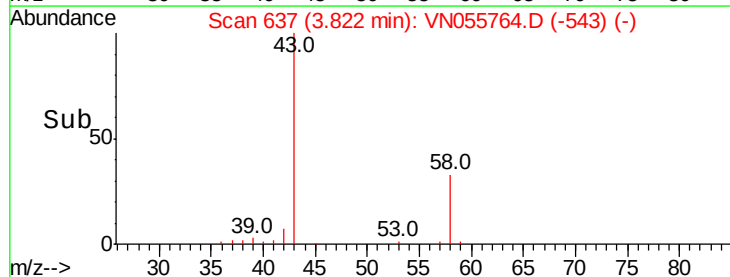
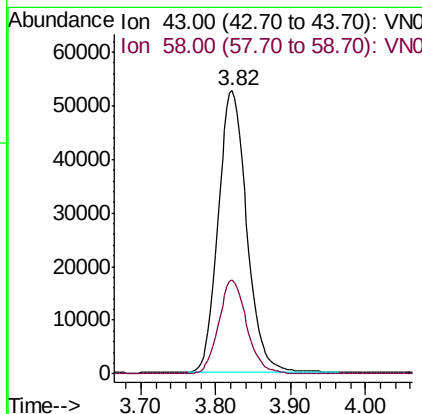
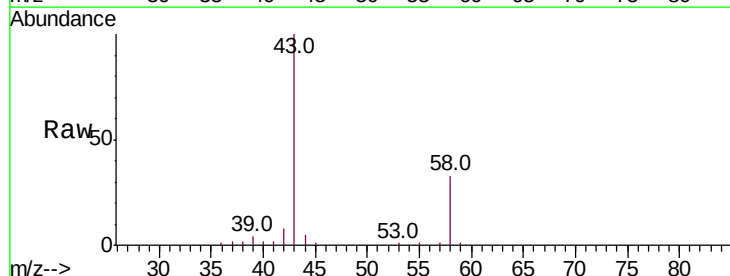
RT: 3.82 min Scan# 637

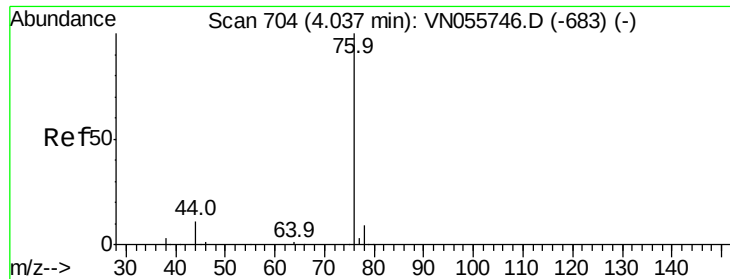
Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	43	Resp:	138538
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.6	39.8





#17

Carbon Disulfide

Concen: 18.101 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 76 Resp: 165232

Ion Ratio Lower Upper

76 100

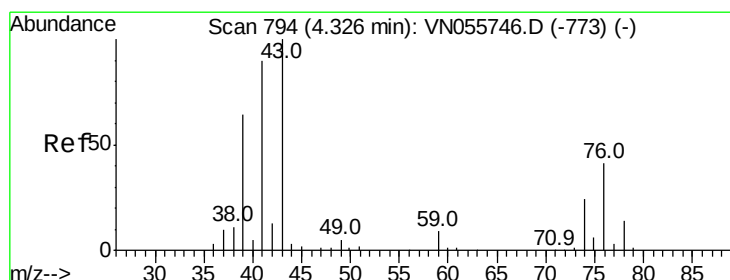
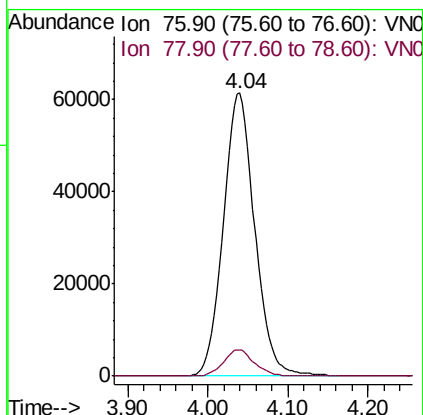
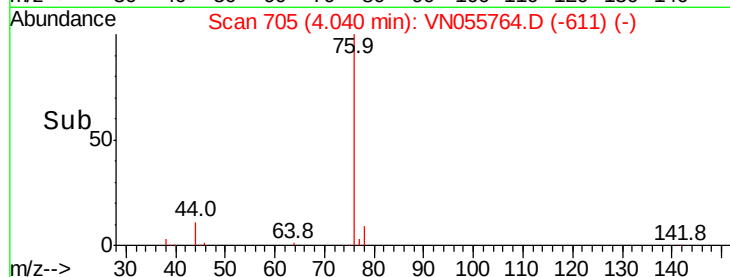
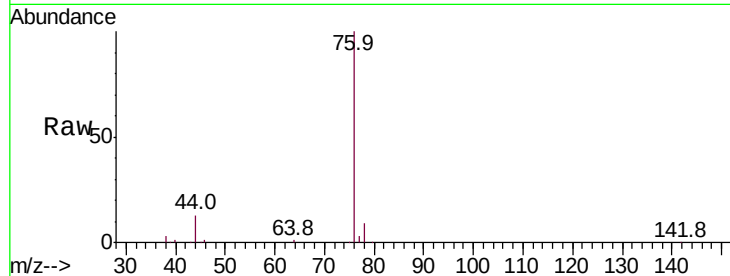
78 9.3 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 19.342 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055764.D

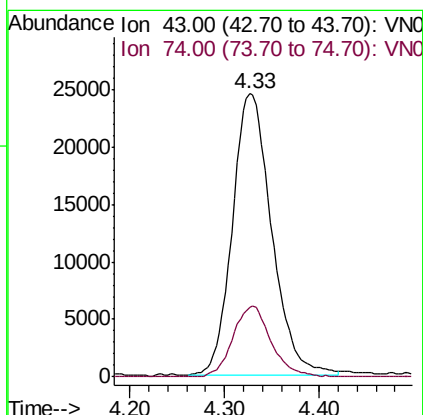
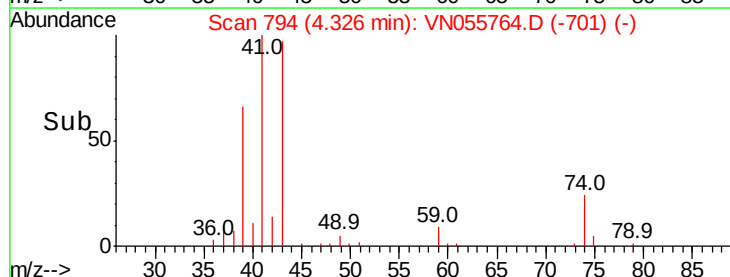
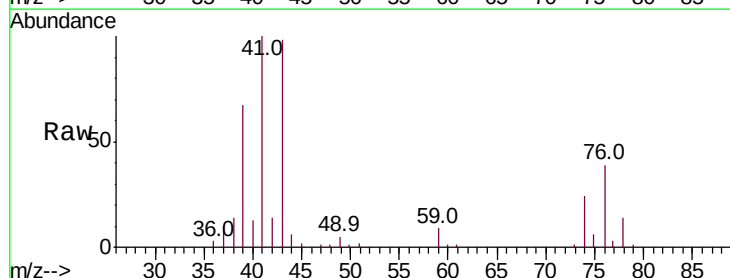
Acq: 23 May 2019 19:42

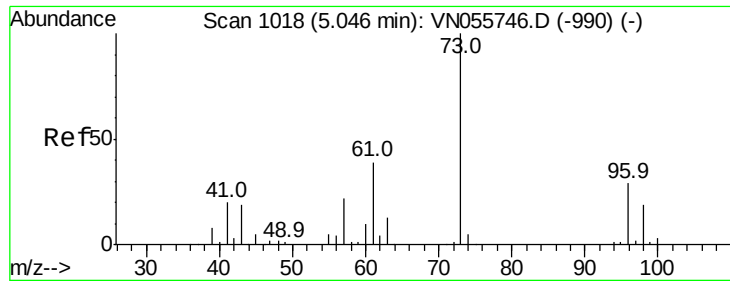
Tgt Ion: 43 Resp: 70141

Ion Ratio Lower Upper

43 100

74 24.5 19.3 28.9





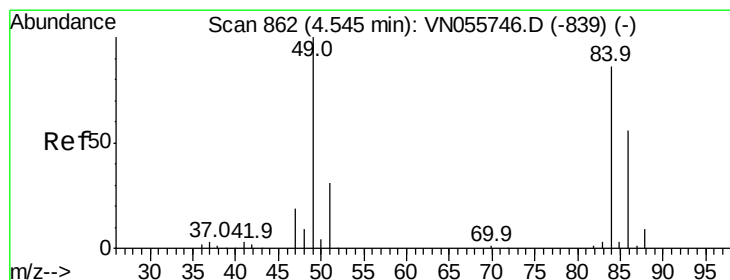
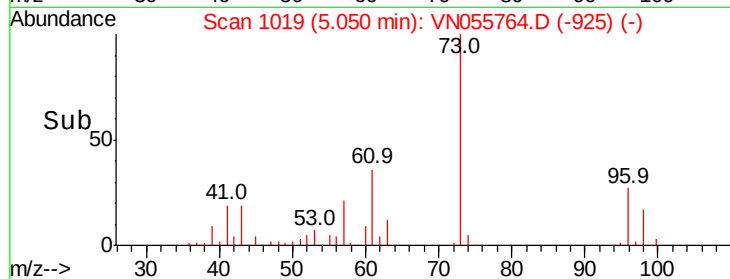
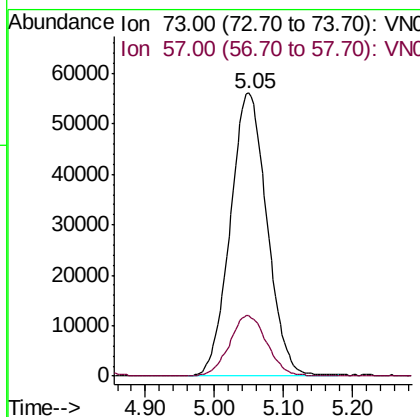
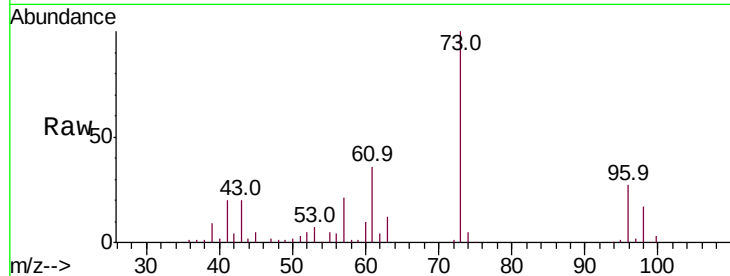
#19
Methyl tert-butyl Ether
Concen: 19.348 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion: 73 Resp: 207331
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8

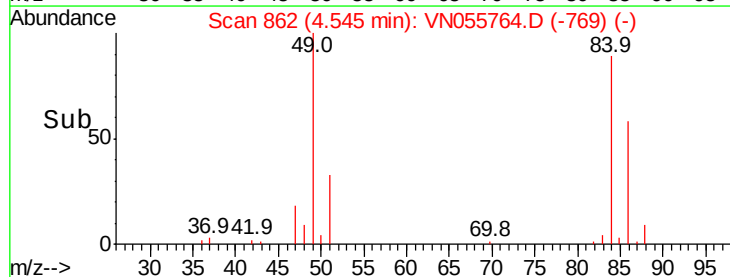
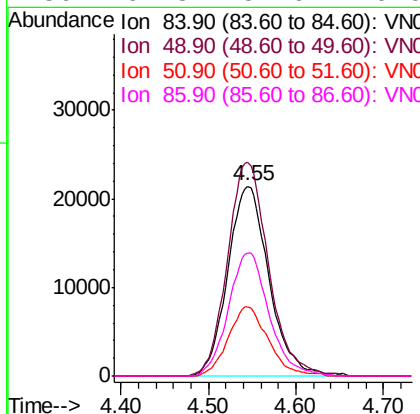
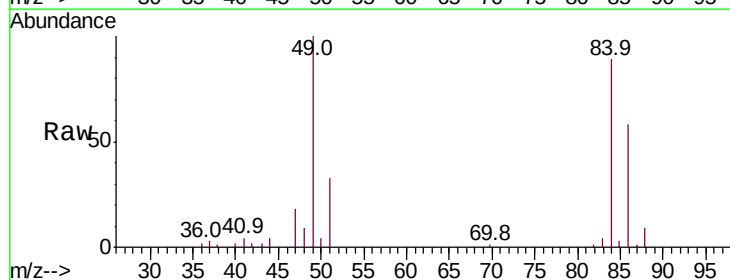
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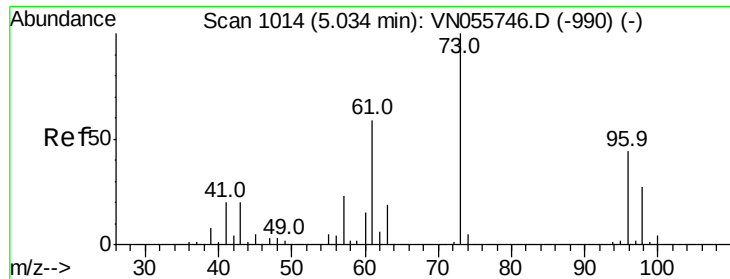
MMDadoda
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#20
Methylene Chloride
Concen: 18.819 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 84 Resp: 69896
Ion Ratio Lower Upper
84 100
49 112.5 93.5 140.3
51 36.6 28.6 43.0
86 64.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.001 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 96 Resp: 65586

Ion Ratio Lower Upper

96 100

61 125.9 107.8 161.8

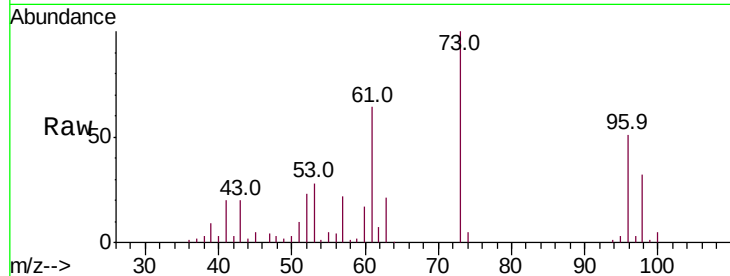
98 62.3 49.8 74.8

Manual Integrations

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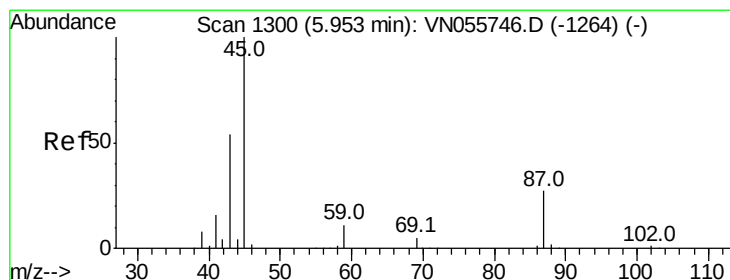
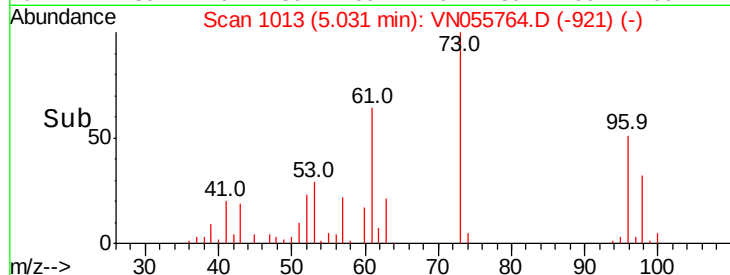
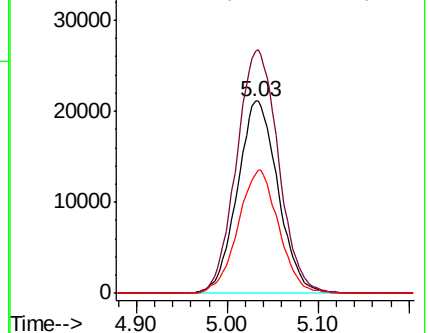
5/24/2019 9:23:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22

Diisopropyl ether

Concen: 18.890 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion: 45 Resp: 202366

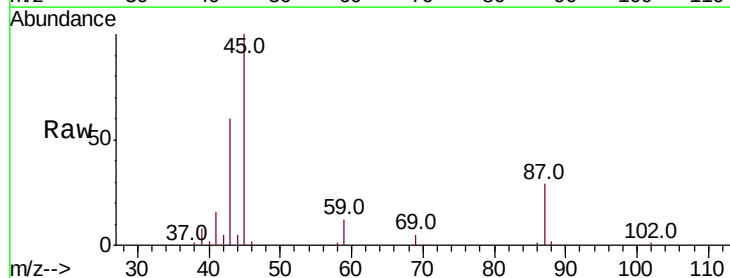
Ion Ratio Lower Upper

45 100

43 56.9 45.0 67.6

87 28.0 22.2 33.4

59 11.4 9.1 13.7

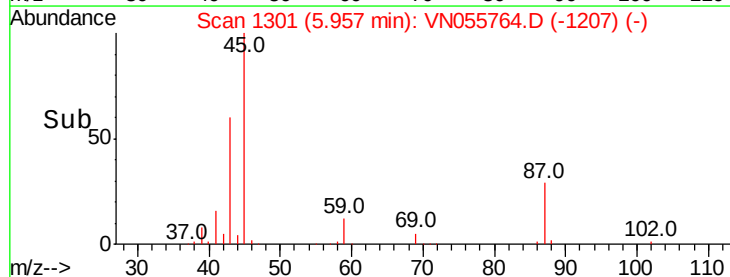
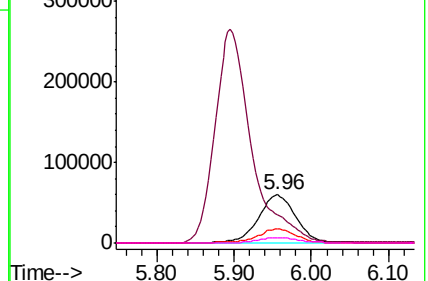


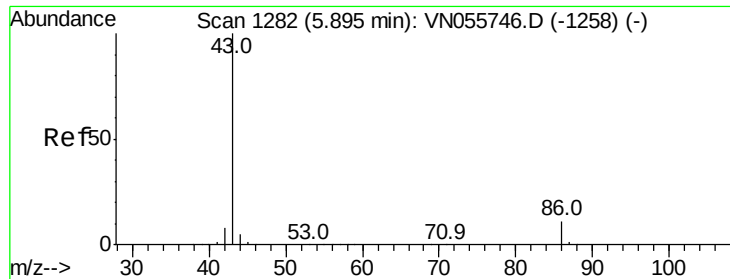
Abundance Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)





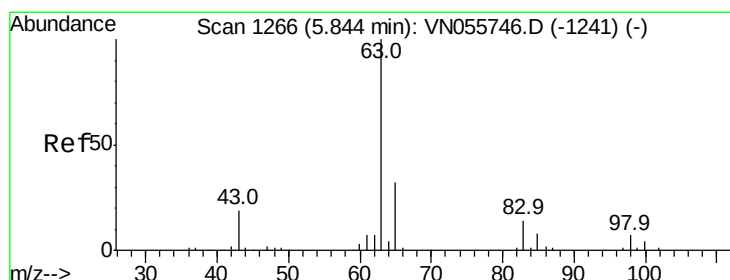
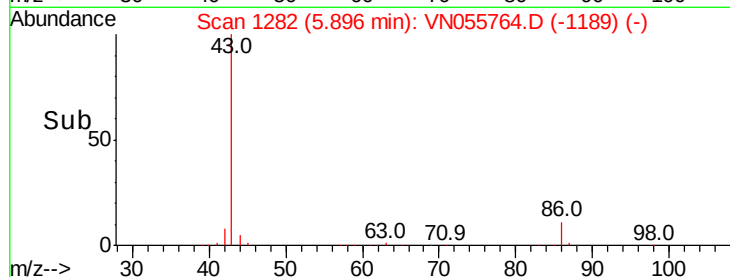
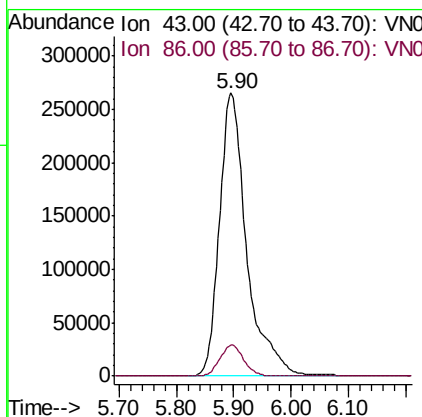
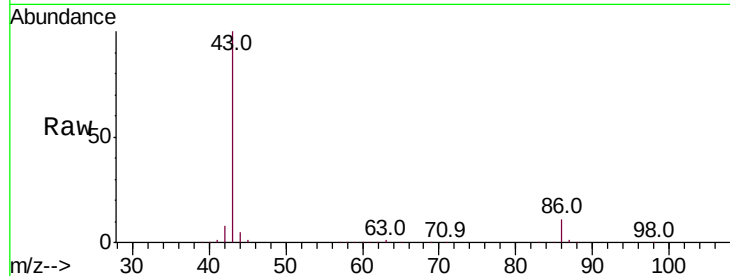
#23
 Vinyl Acetate
 Concen: 95.877 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	43	Resp	880635
Ion Ratio	100	Lower	Upper
86	11.0	8.6	13.0

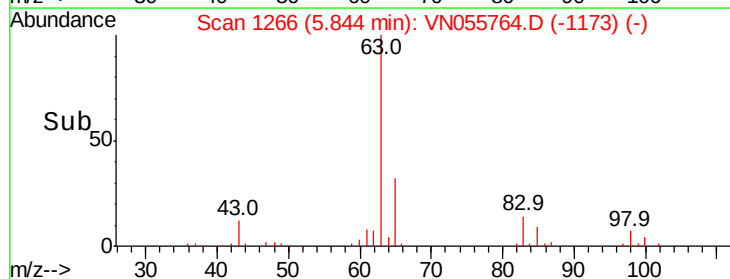
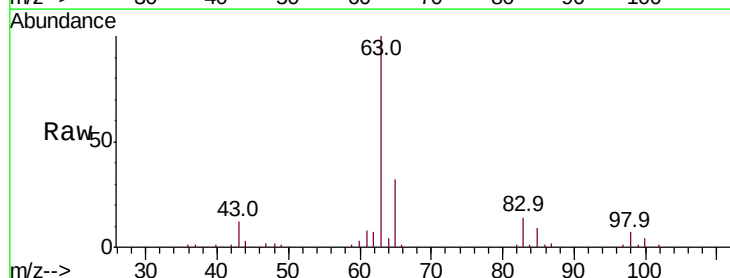
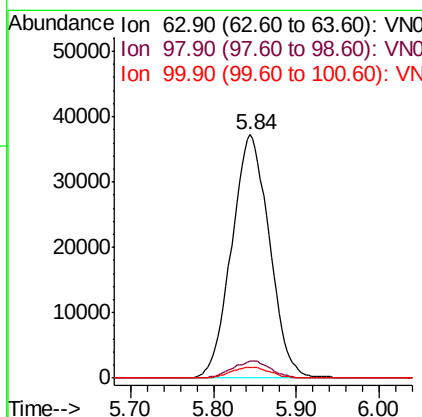
Manual Integrations
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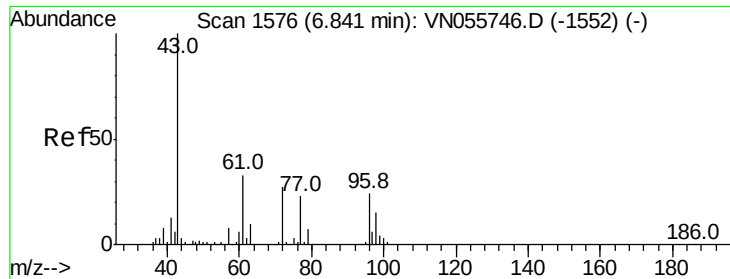
MMDadoda
 5/24/2019 9:23:48 AM



#24
 1,1-Dichloroethane
 Concen: 18.863 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	63	Resp	117654
Ion Ratio	100	Lower	Upper
98	6.8	3.4	10.1
100	4.4	2.2	6.6





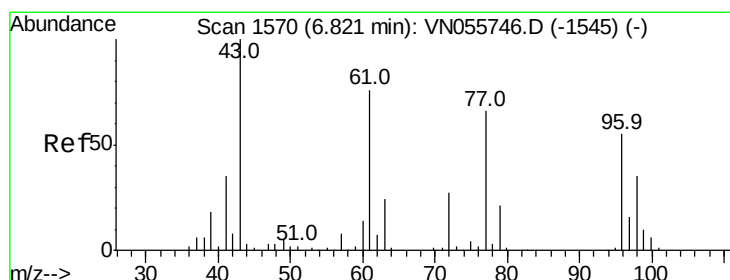
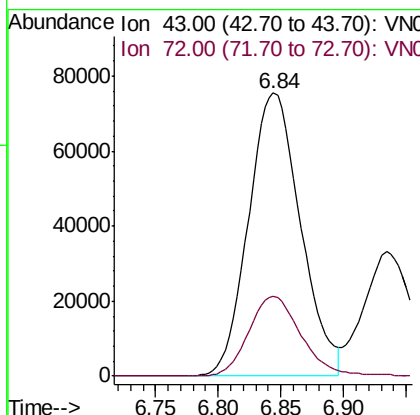
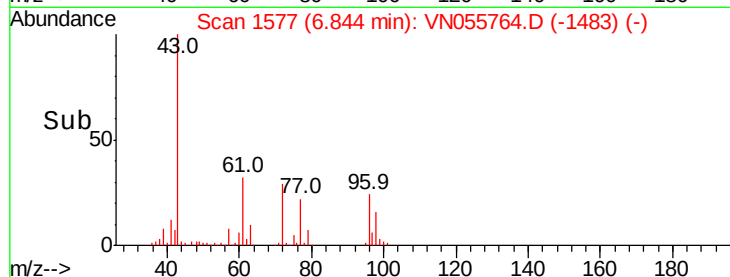
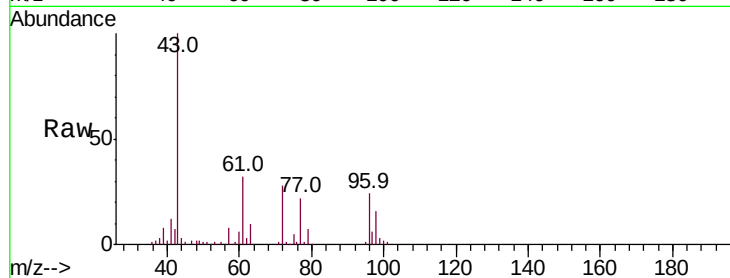
#25
2-Butanone
Concen: 90.462 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion: 43 Resp: 216669
Ion Ratio Lower Upper
43 100
72 28.5 21.9 32.9

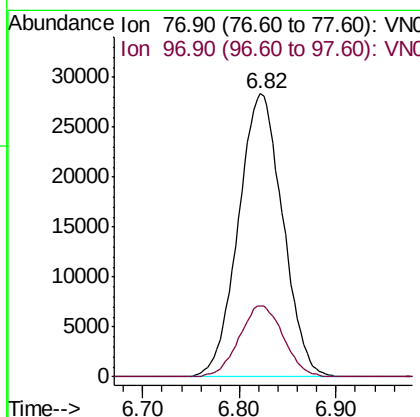
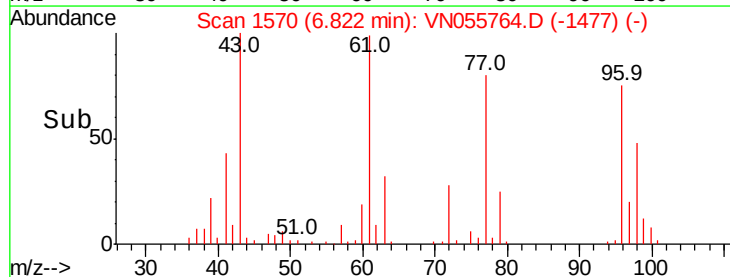
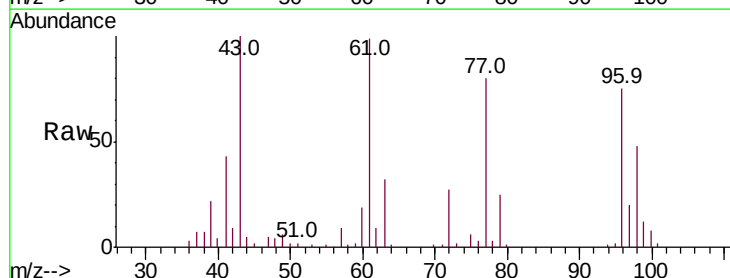
Manual Integrations
APPROVED

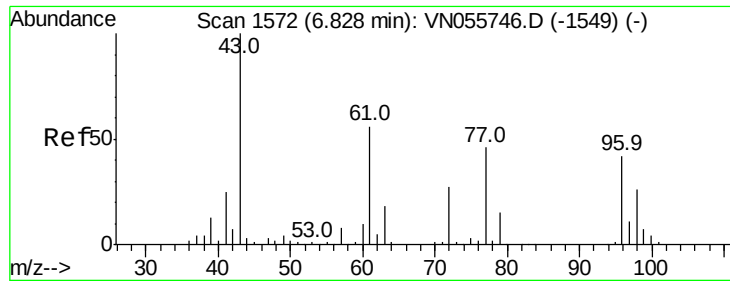
MMDadoda
5/24/2019 9:23:48 AM



#26
2,2-Dichloropropane
Concen: 16.731 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 77 Resp: 90316
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.673 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

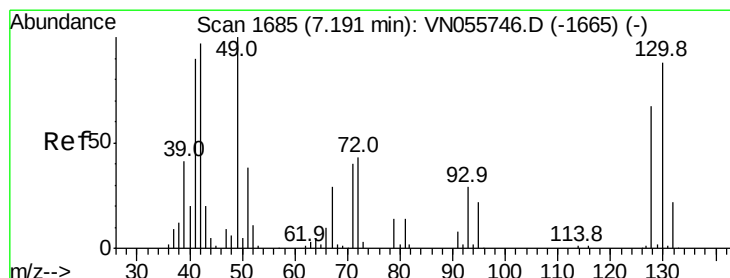
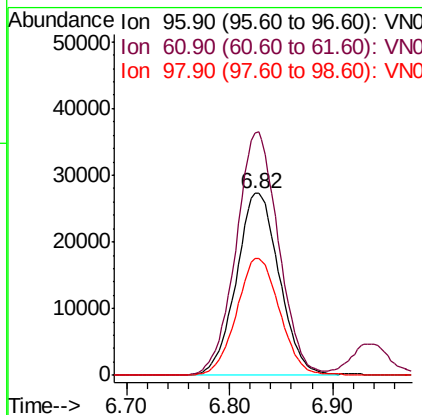
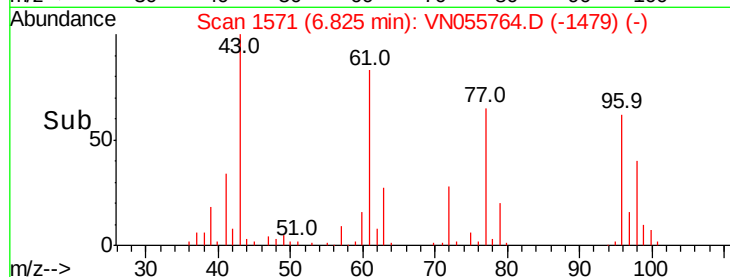
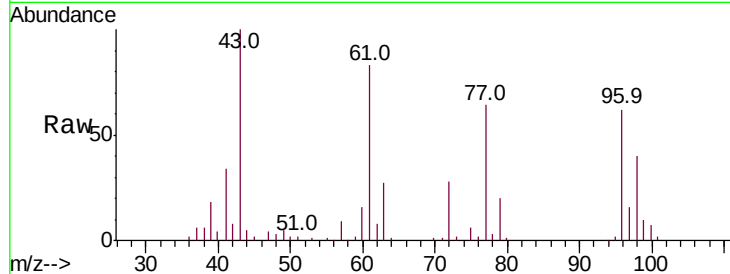
ClientSampleId :

VN0523WBSD01

Tot Ion:	96	Resp:	79226
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.8
98	64.3	0.0	128.4

Manual Integrations
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MMDadoda
5/24/2019 9:23:48 AM



#28

Bromochloromethane

Concen: 20.283 ug/l

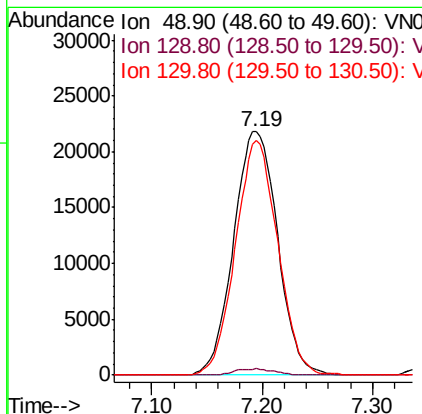
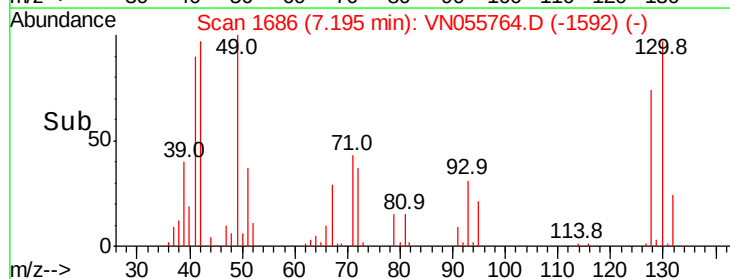
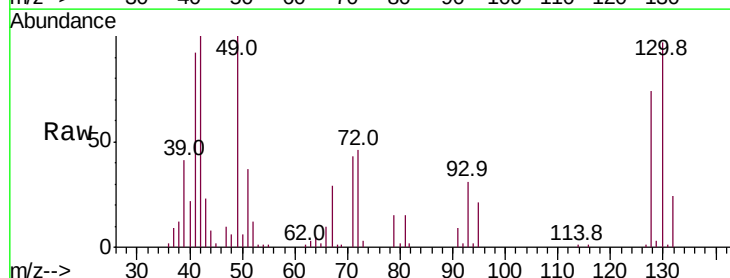
RT: 7.19 min Scan# 1686

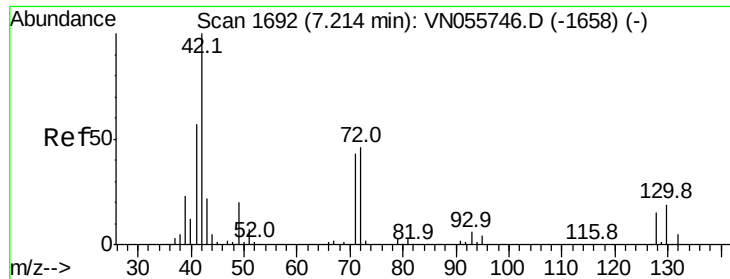
Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	49	Resp:	60234
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	92.5	71.2	106.8





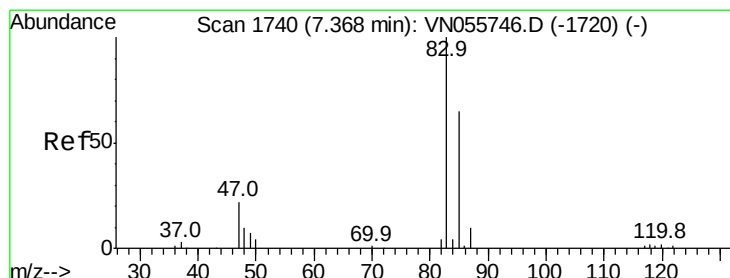
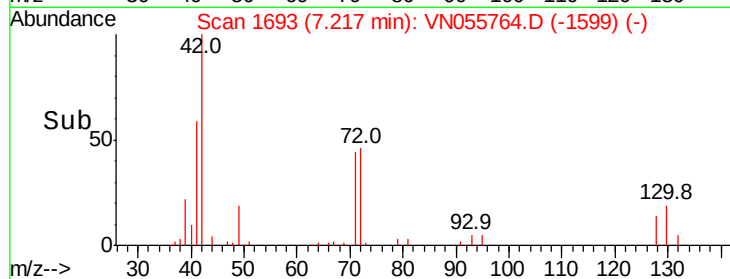
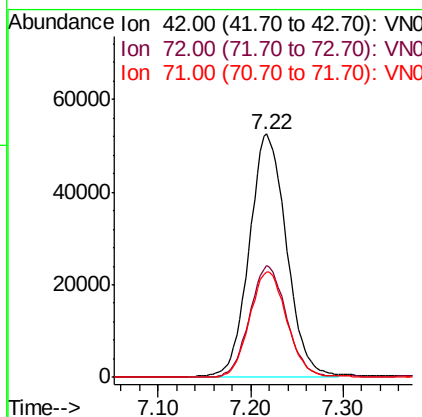
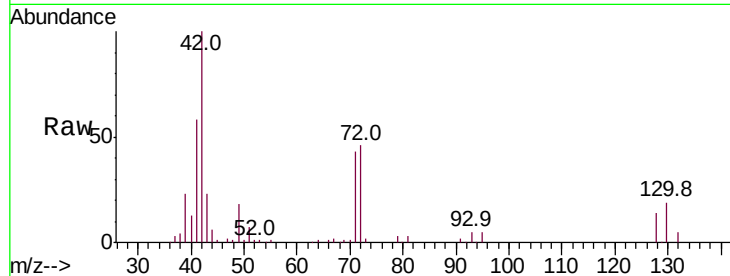
#29
Tetrahydrofuran
Concen: 97.081 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	43.5	34.0	51.0

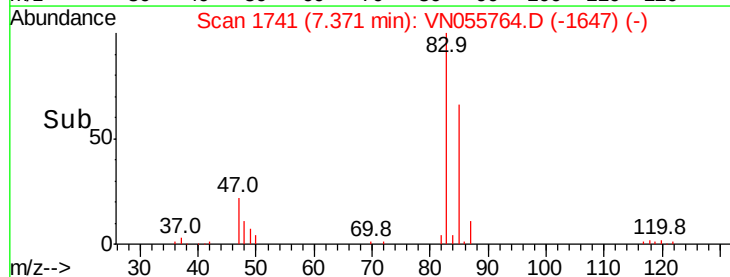
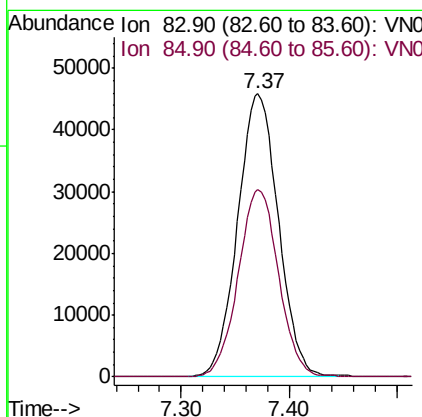
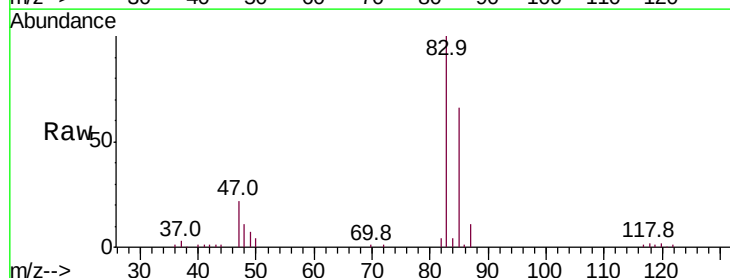
Manual Integrations
APPROVED

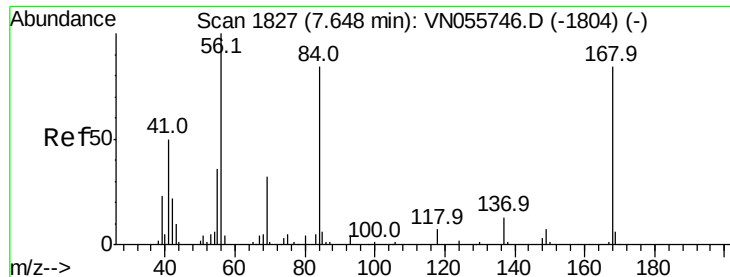
MMDadoda
5/24/2019 9:23:48 AM



#30
Chloroform
Concen: 19.351 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





#31

Cyclohexane

Concen: 19.039 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 56 Resp: 111495

Ion Ratio Lower Upper

56 100

69 38.4 25.6 38.4#

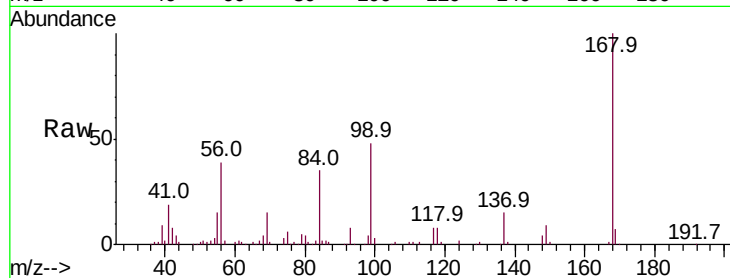
84 89.4 67.4 101.0

Manual Integrations

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MMDadoda

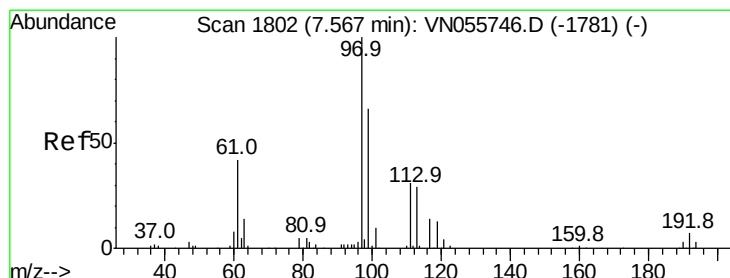
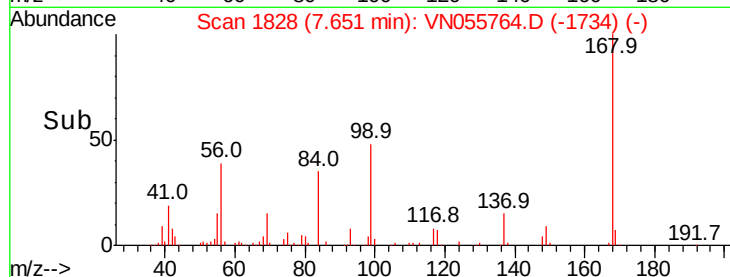
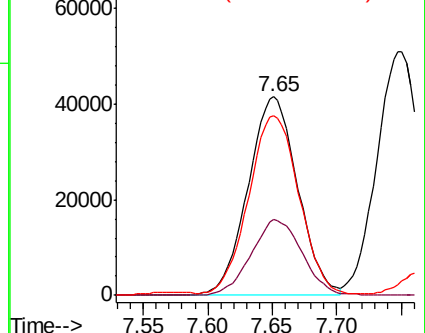
5/24/2019 9:23:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.550 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

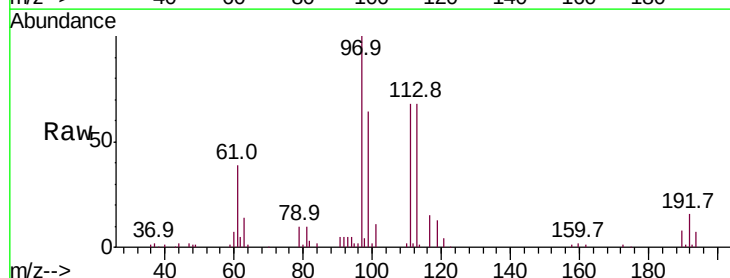
Tgt Ion: 97 Resp: 108520

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

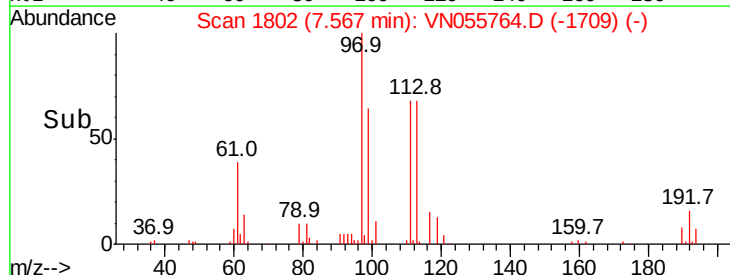
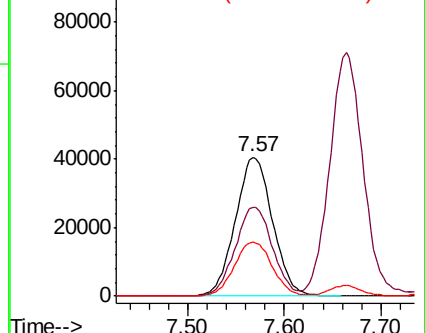
61 39.7 32.9 49.3

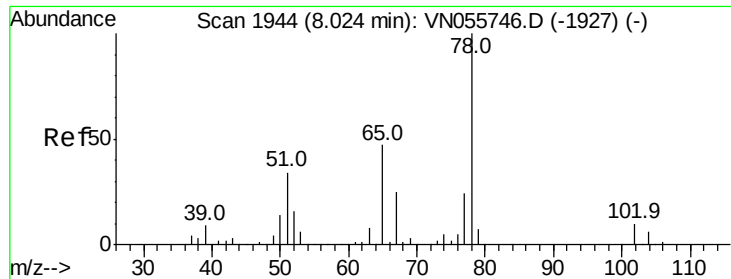


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





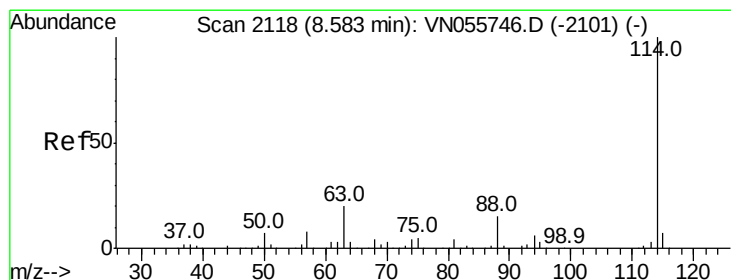
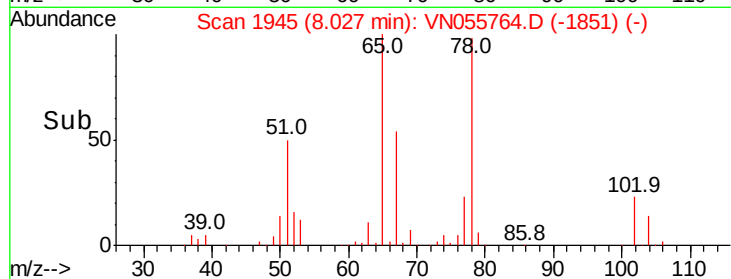
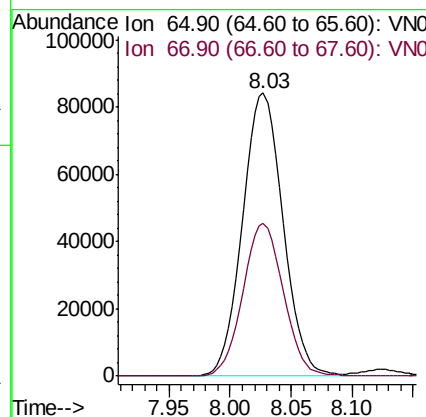
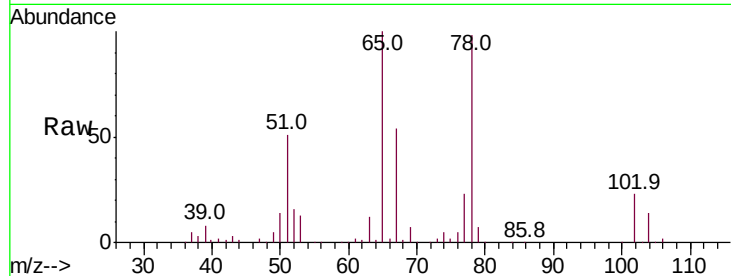
#33
 1,2-Dichloroethane-d4
 Concen: 49.618 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193584		
67	54.0	0.0	109.2	

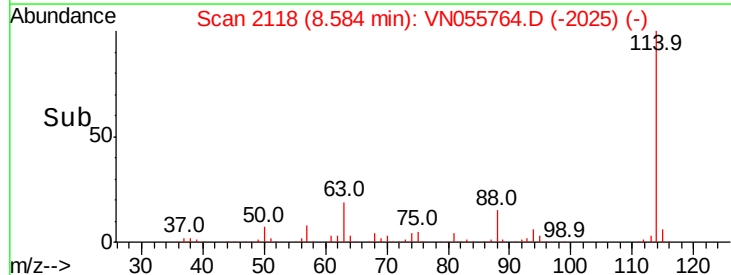
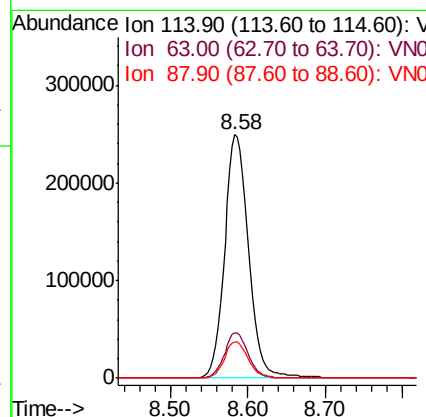
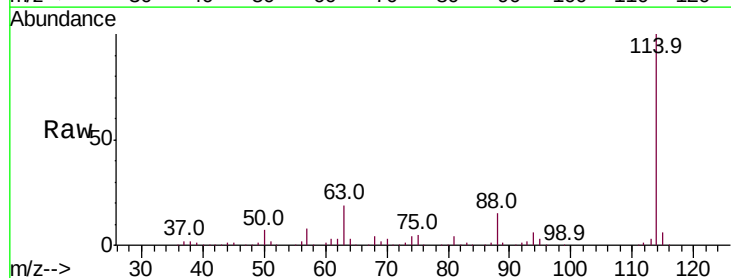
Manual Integrations
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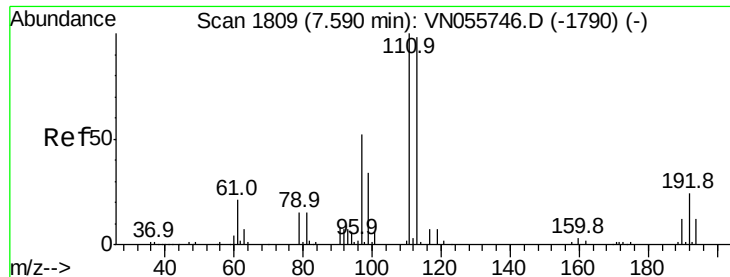
MMDadoda
 5/24/2019 9:23:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537731		
63	18.8	0.0	39.2	
88	14.8	0.0	31.0	





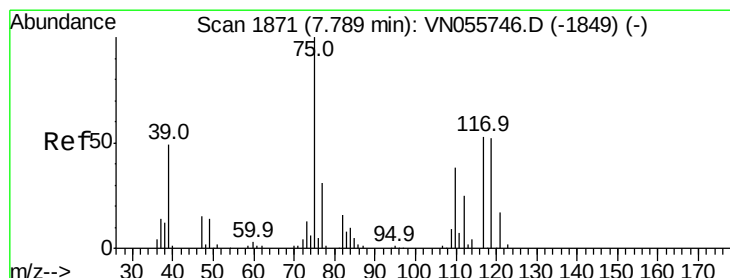
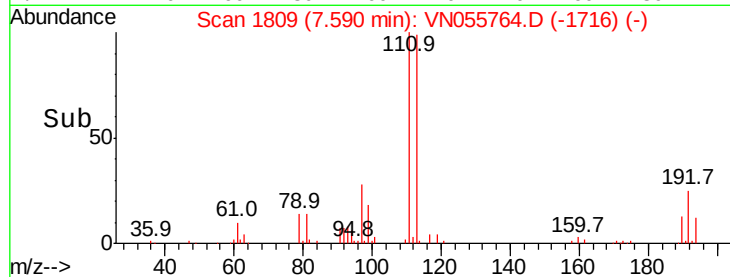
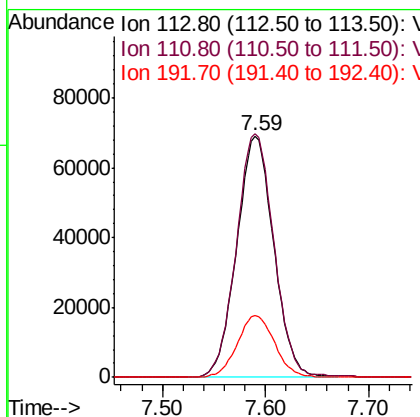
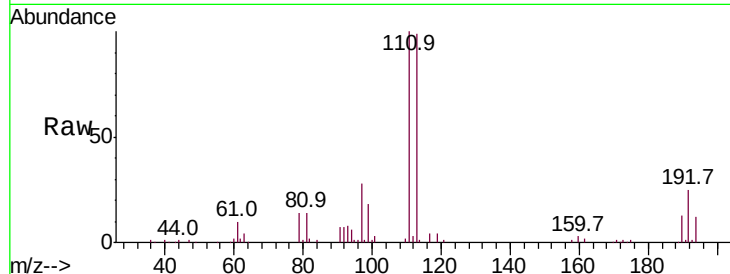
#35
 Dibromofluoromethane
 Concen: 50.761 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.9	122.9	
192	25.8	19.5	29.3	

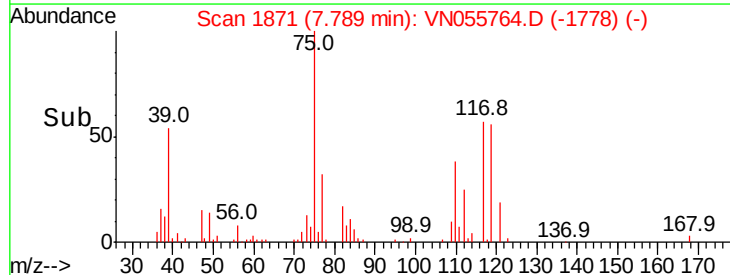
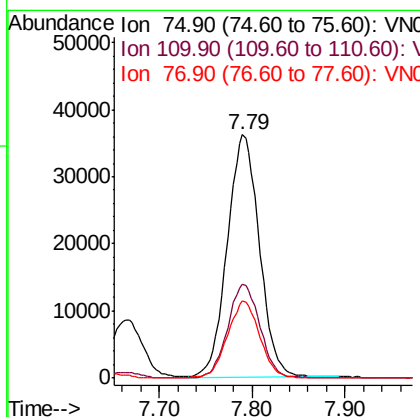
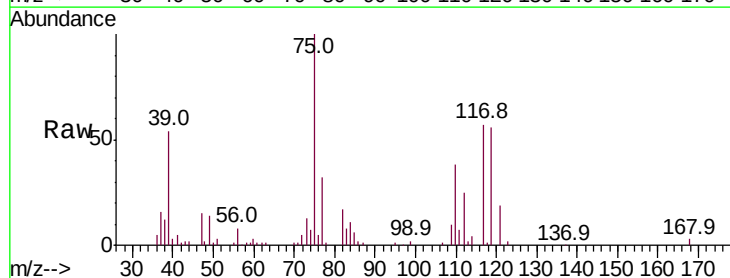
Manual Integrations
 APPROVED

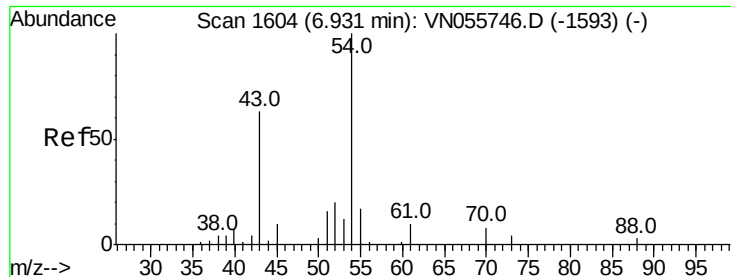
MMDadoda
 5/24/2019 9:23:48 AM



#36
 1,1-Dichloropropene
 Concen: 18.629 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.5	19.0	57.0	
77	31.7	25.1	37.7	





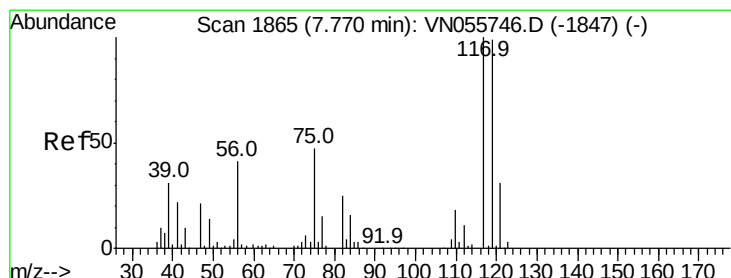
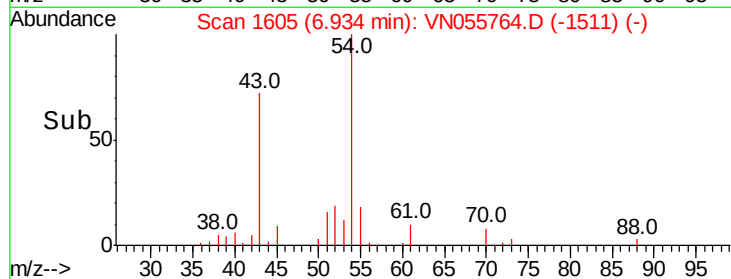
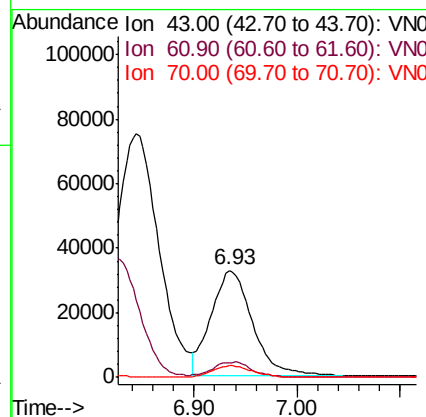
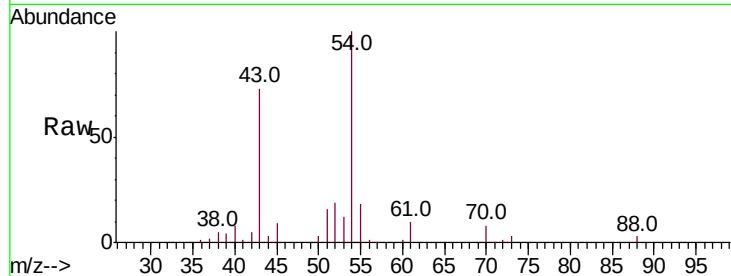
#37
Ethyl Acetate
Concen: 20.071 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	10.9	8.9	13.3

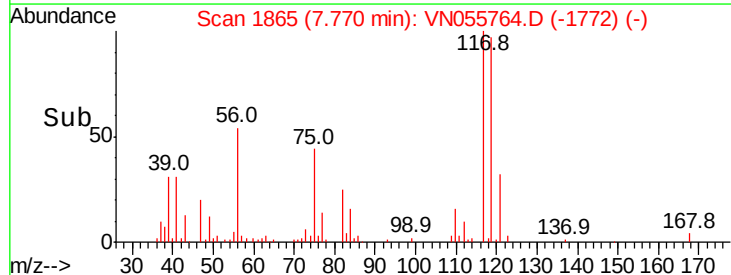
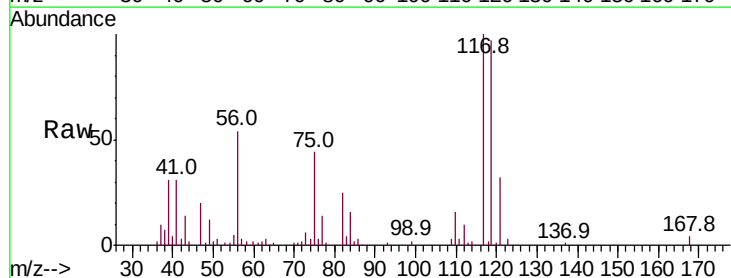
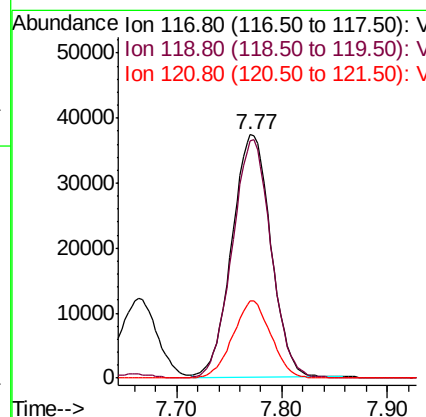
Manual Integrations
APPROVED

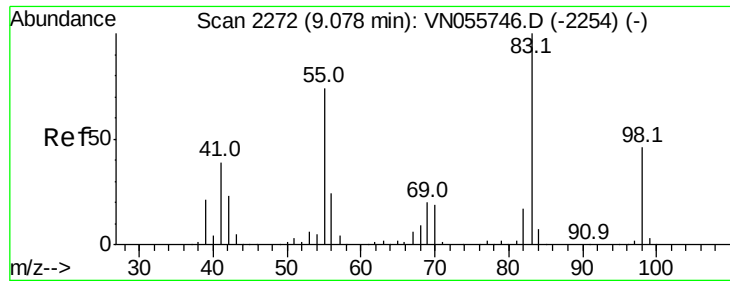
MMDadoda
5/24/2019 9:23:48 AM



#38
Carbon Tetrachloride
Concen: 19.637 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.0	118.6
121	31.7	24.7	37.1





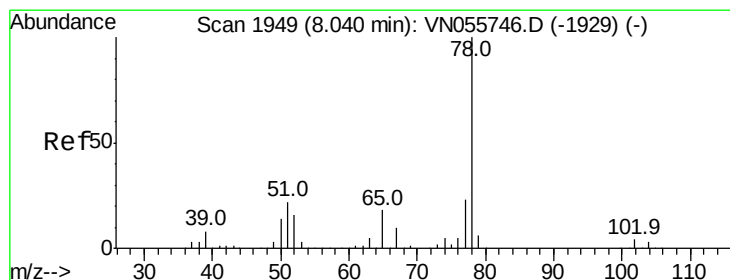
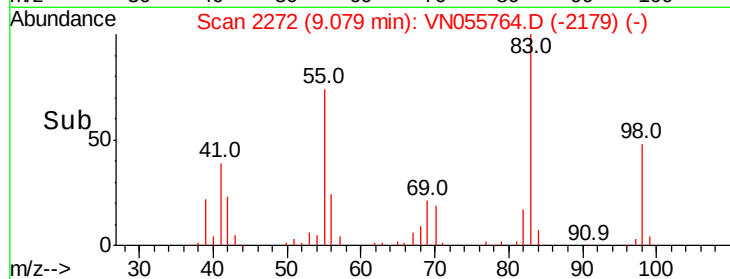
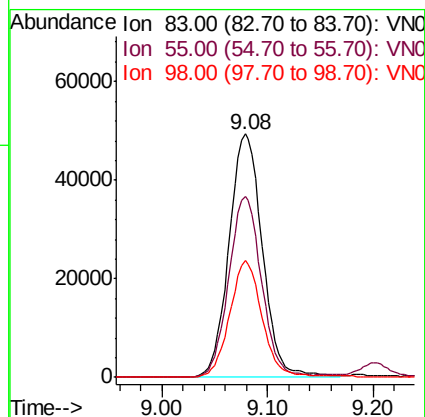
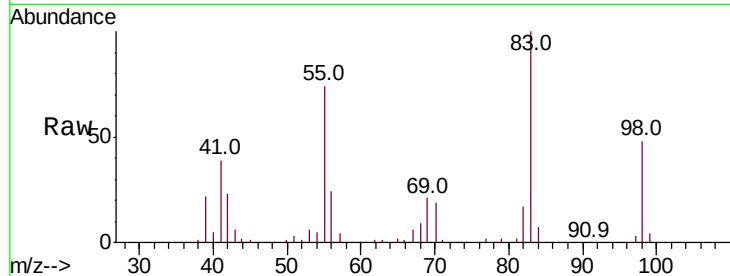
#39
Methylvlcyclohexane
Concen: 18.674 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.5	59.3	88.9	
98	48.0	36.6	54.8	

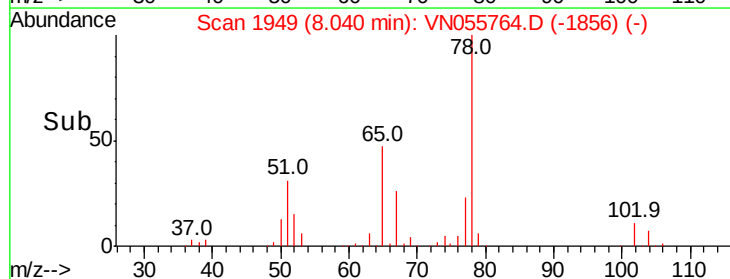
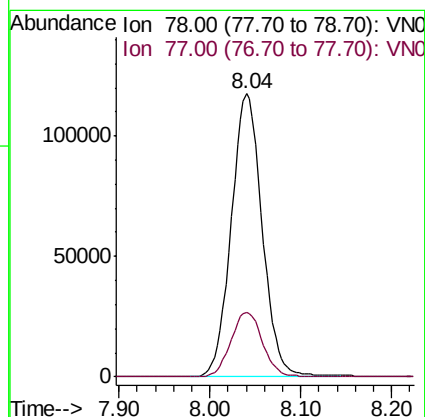
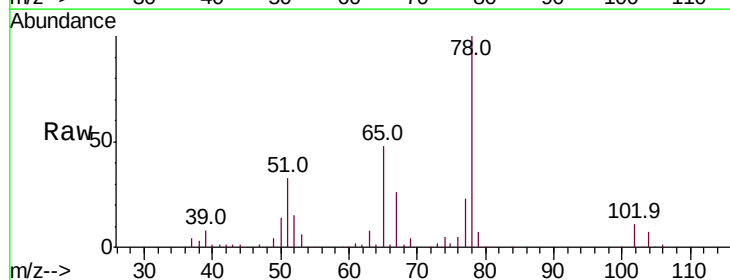
Manual Integrations
APPROVED

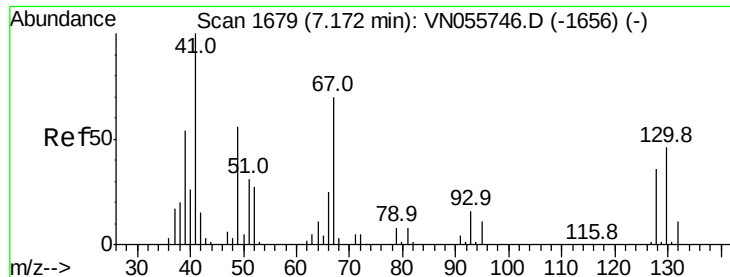
MMDadoda
5/24/2019 9:23:48 AM



#40
Benzene
Concen: 19.694 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	18.8	28.2	





#41

Methacrylonitrile

Concen: 17.980 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 41 Resp: 41140

Ion Ratio Lower Upper

41 100

39 61.2 45.6 68.4

67 88.5 67.7 101.5

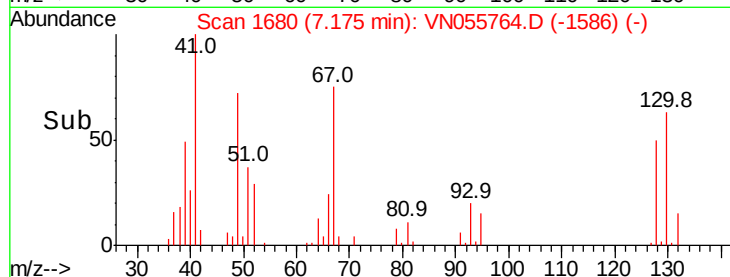
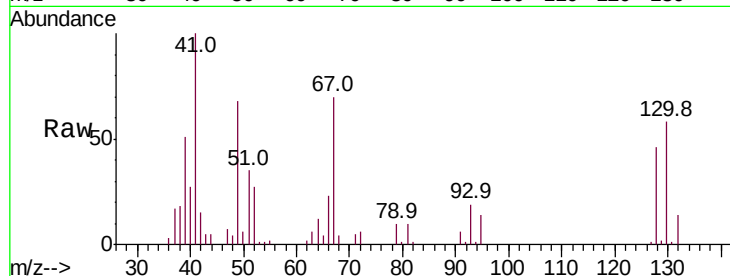
52 35.9 26.6 40.0

Manual Integrations

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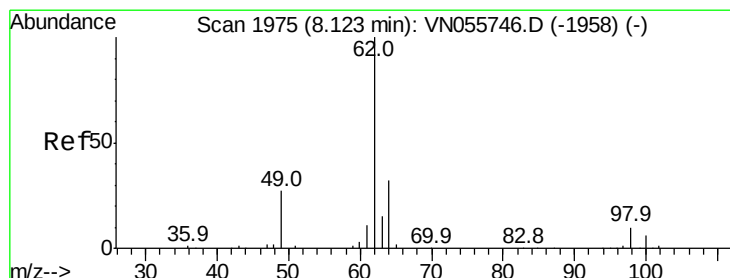
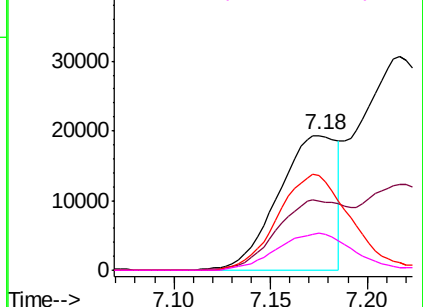


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.736 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055764.D

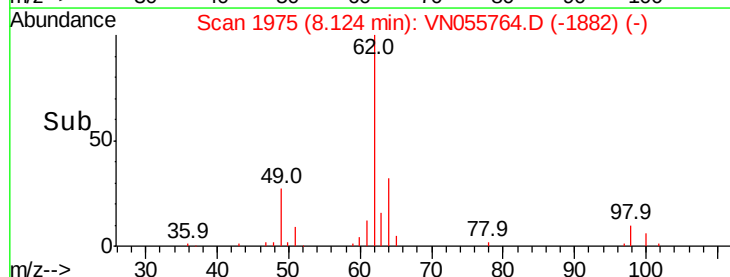
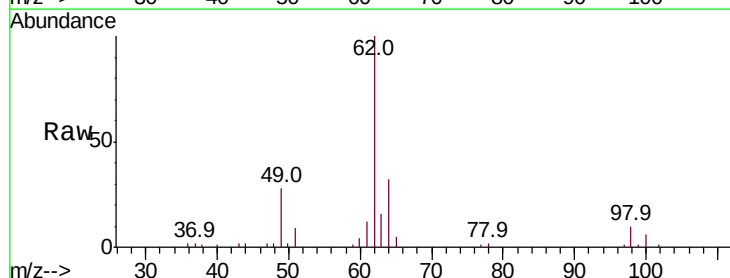
Acq: 23 May 2019 19:42

Tgt Ion: 62 Resp: 91078

Ion Ratio Lower Upper

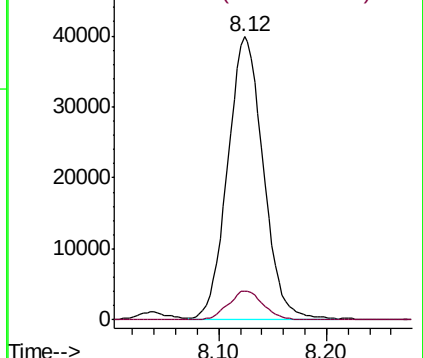
62 100

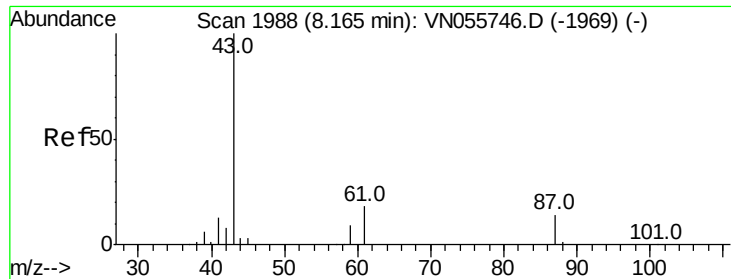
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.321 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

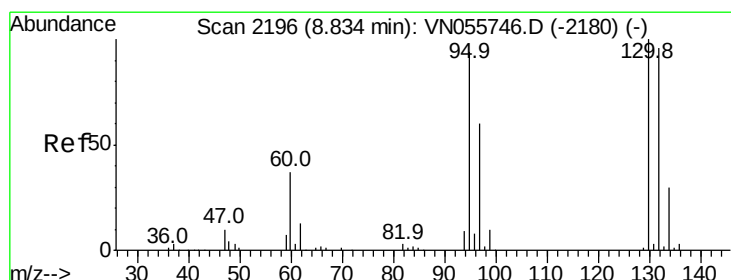
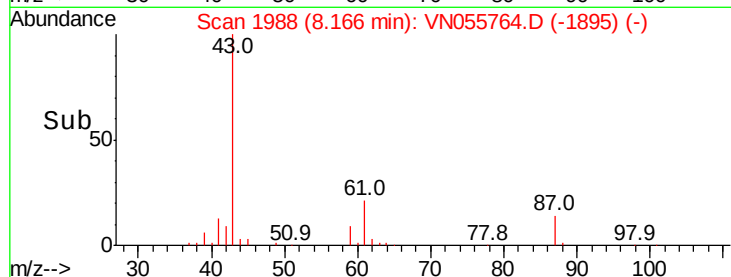
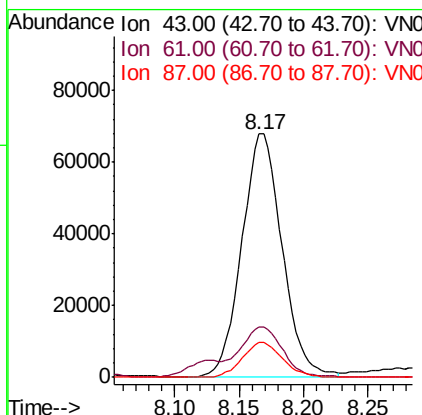
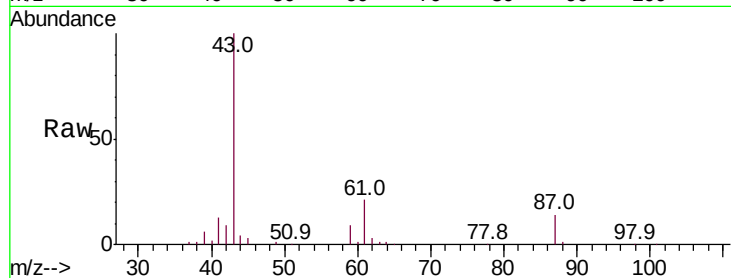
ClientSampleId :

VN0523WBSD01

Tot Ion:	43	Resp:	147029
Ion Ratio	Lower	Upper	
43	100		
61	21.5	22.2	33.4#
87	14.4	11.4	17.2

Manual Integrations
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5/24/2019 9:23:48 AM



#44

Trichloroethene

Concen: 20.434 ug/l

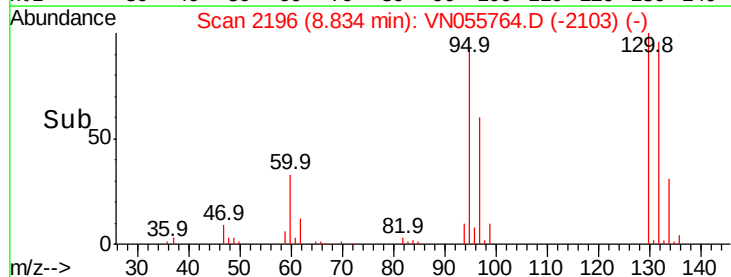
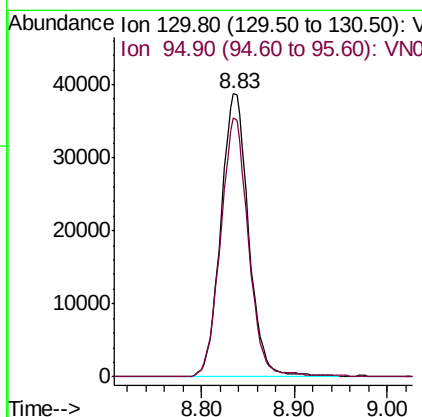
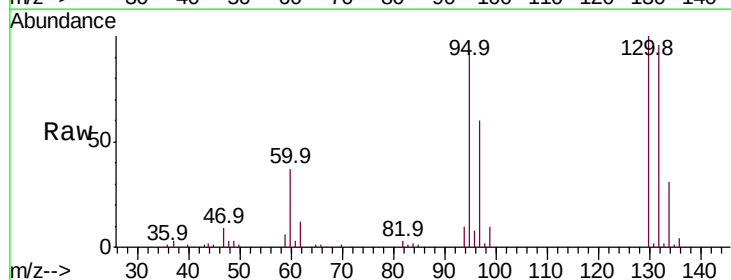
RT: 8.83 min Scan# 2196

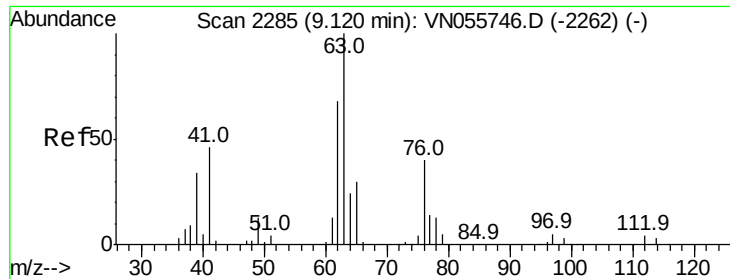
Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	130	Resp:	80452
Ion Ratio	Lower	Upper	
130	100		
95	91.7	0.0	188.0





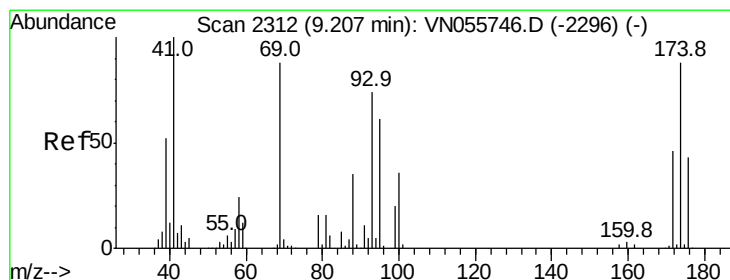
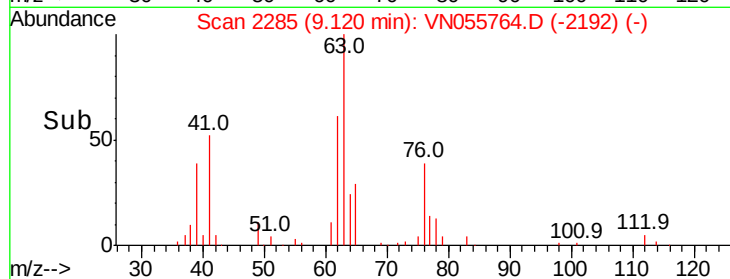
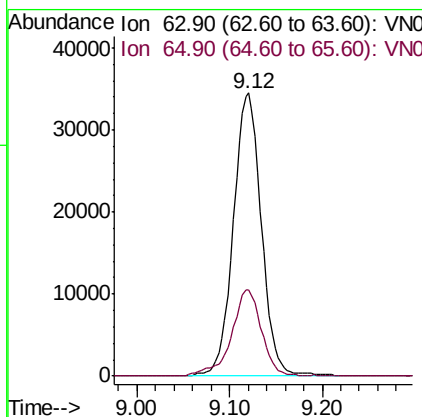
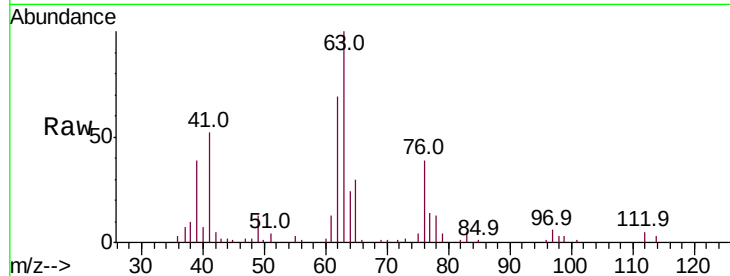
#45
 1,2-Dichloropropane
 Concen: 19.648 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

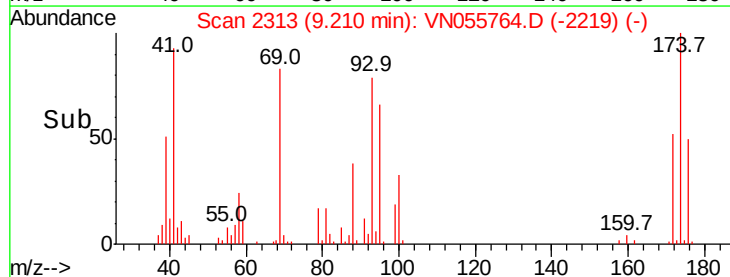
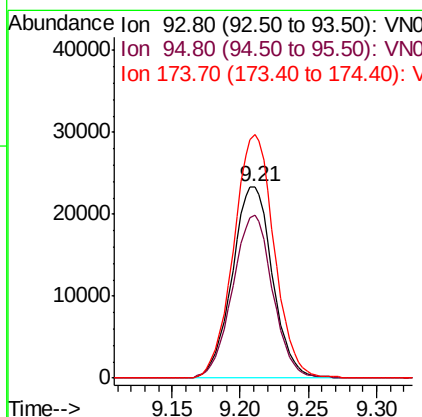
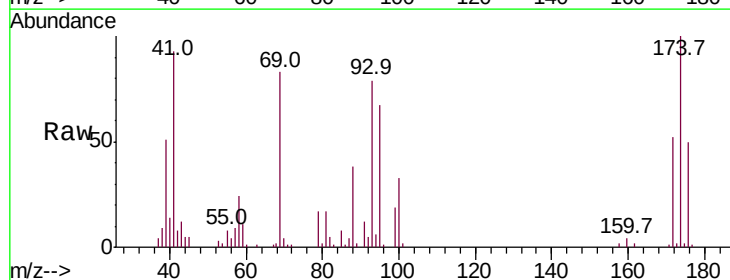
Manual Integrations
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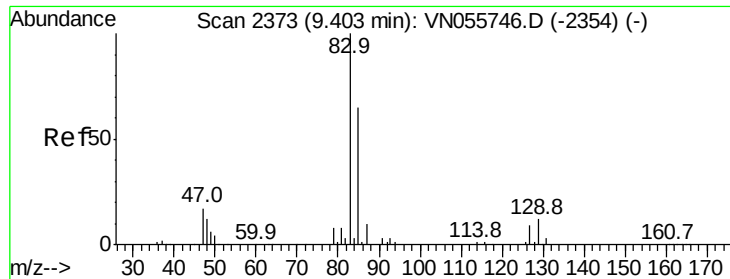
MMDadoda
 5/24/2019 9:23:48 AM



#46
 Dibromomethane
 Concen: 19.832 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	128.3	96.4	144.6





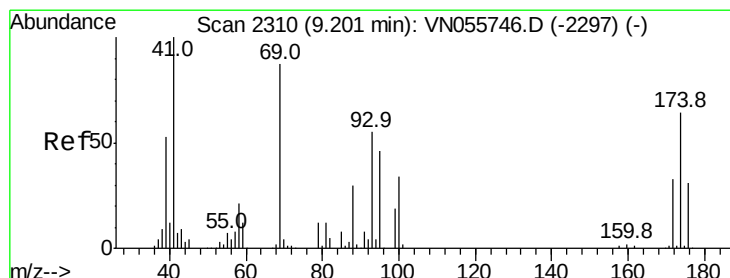
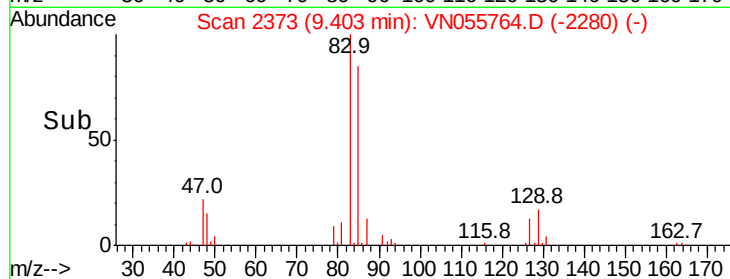
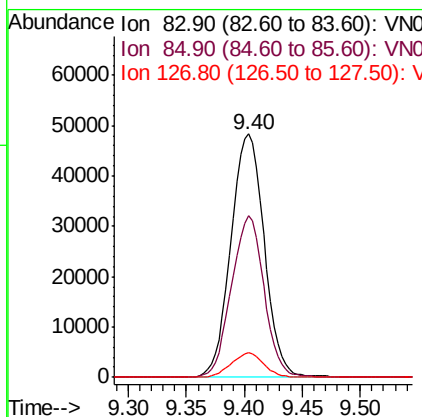
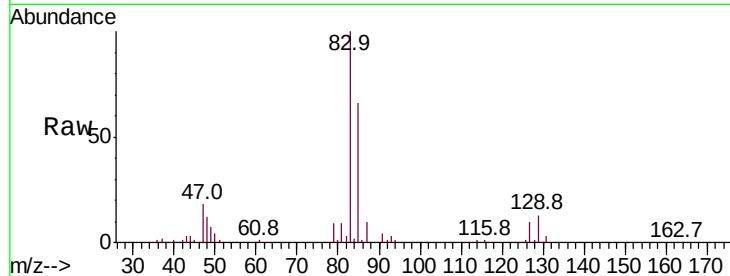
#47
Bromodichloromethane
Concen: 19.478 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	83	Resp	96382
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	52.2	78.2
127	9.9	7.4	11.0

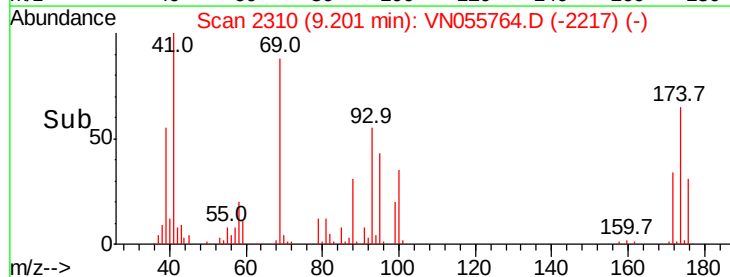
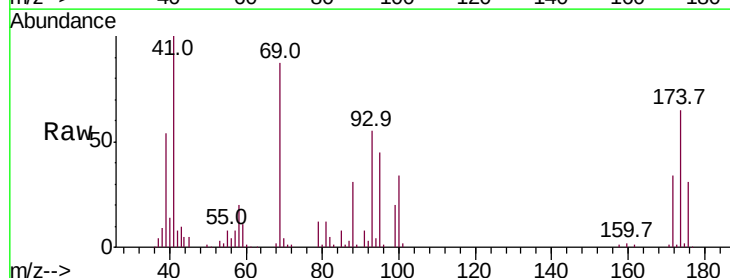
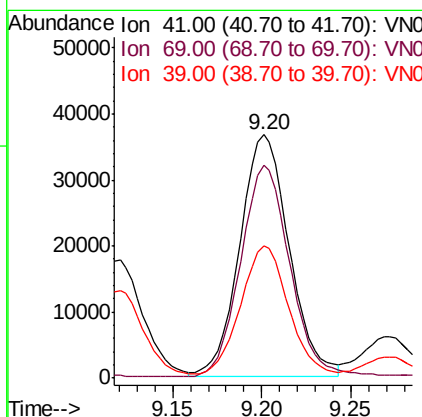
Manual Integrations
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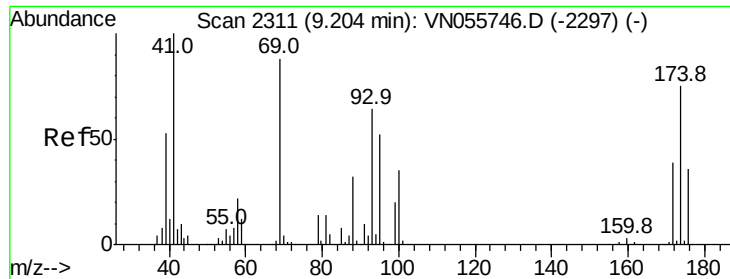
MMDadoda
5/24/2019 9:23:48 AM



#48
Methyl methacrylate
Concen: 20.242 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	41	Resp	70990
Ion Ratio	100	Lower	Upper
41	100		
69	88.5	71.0	106.6
39	53.3	44.2	66.2





#49

1,4-Dioxane

Concen: 419.519 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 88 Resp: 30575

Ion Ratio Lower Upper

88 100

43 24.3 20.5 30.7

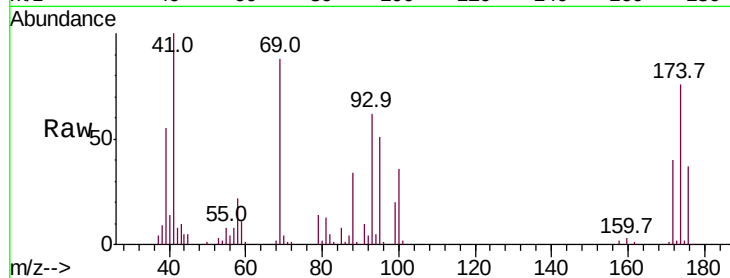
58 59.9 55.8 83.6

Manual Integrations

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MMDadoda

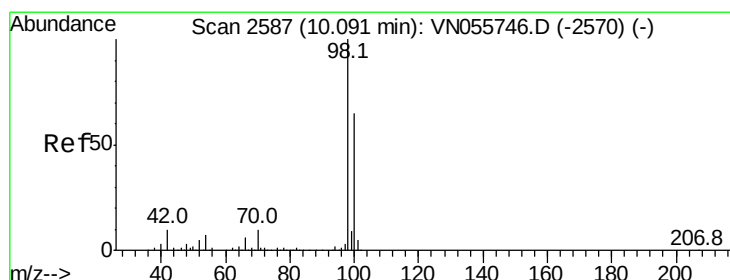
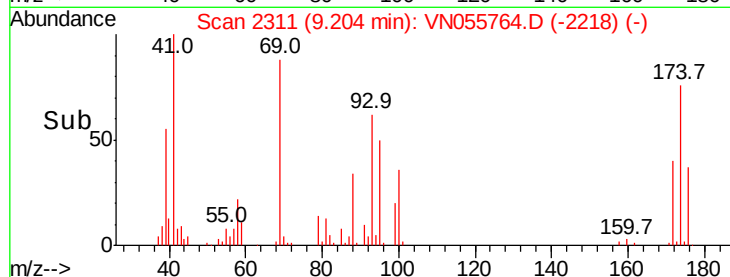
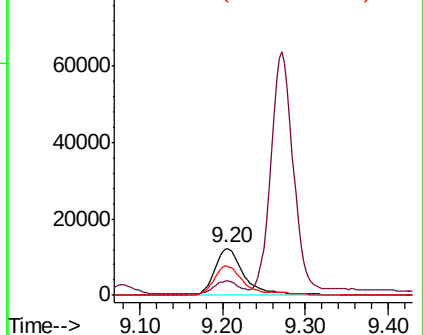
5/24/2019 9:23:48 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055746.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2297) (-)



#50

Toluene-d8

Concen: 49.992 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055764.D

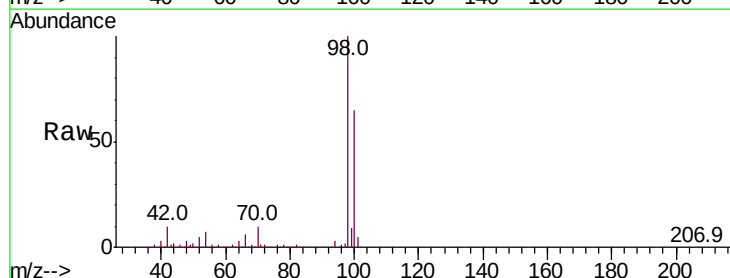
Acq: 23 May 2019 19:42

Tgt Ion: 98 Resp: 651940

Ion Ratio Lower Upper

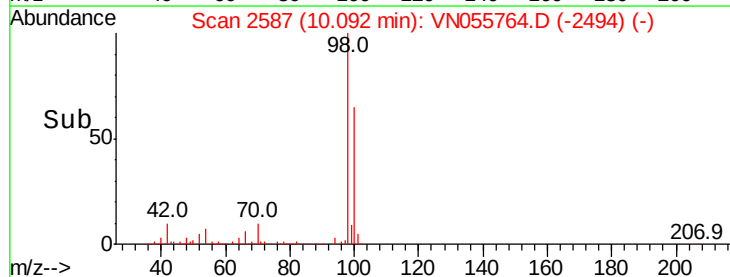
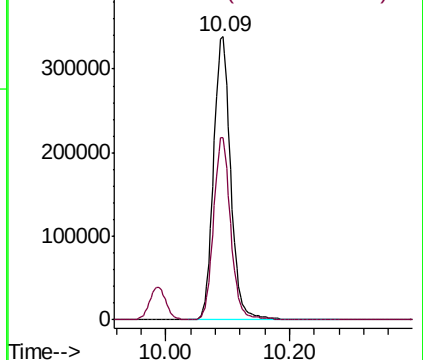
98 100

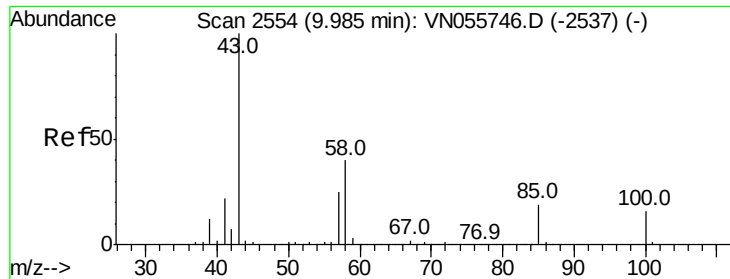
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)





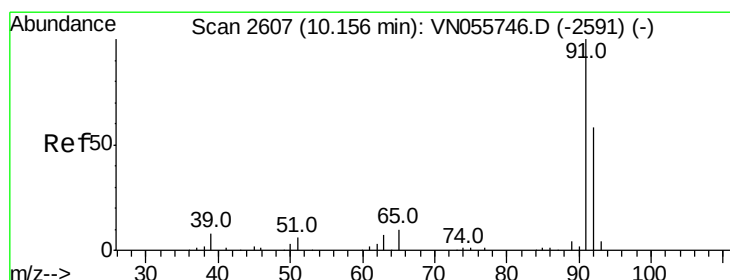
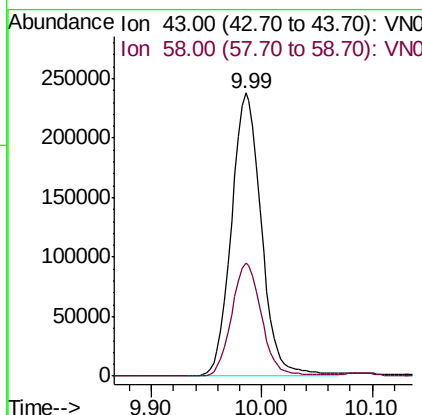
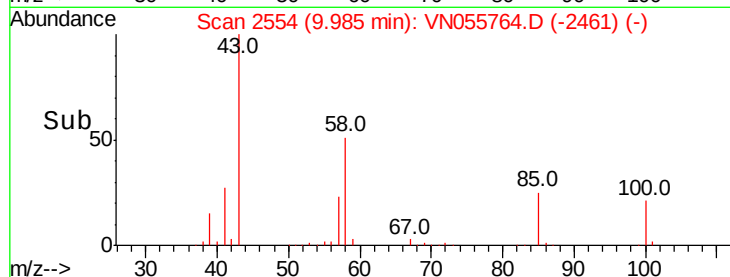
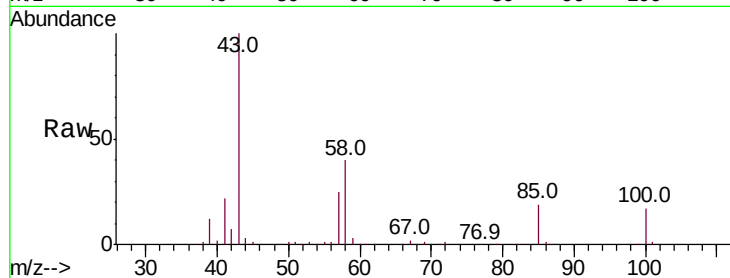
#51
4-Methyl-2-Pentanone
Concen: 99.223 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleID :
VN0523WBSD01

Tot Ion: 43 Resp: 445938
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1

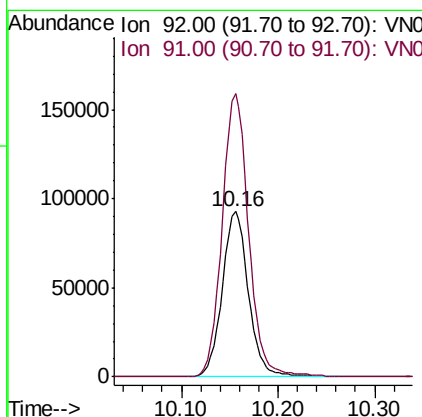
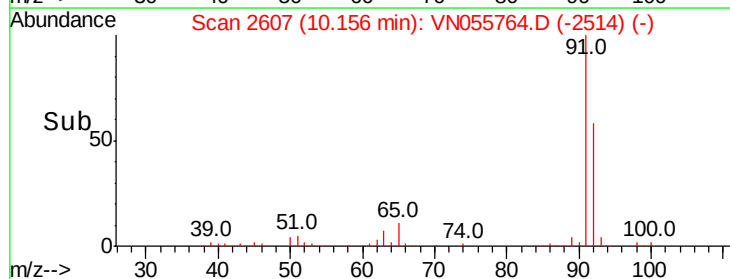
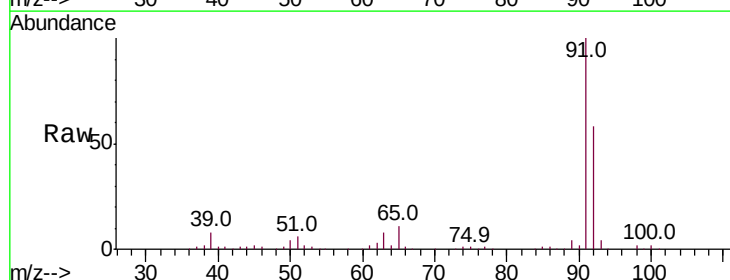
Manual Integrations
APPROVED

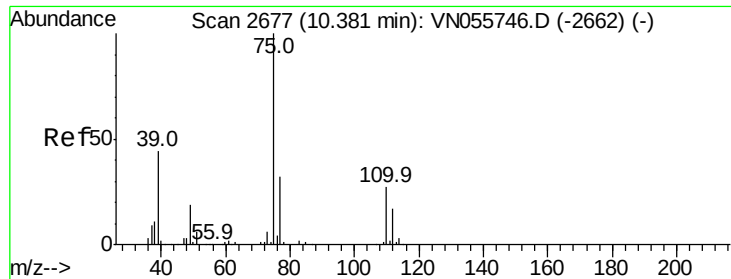
MMDadoda
5/24/2019 9:23:48 AM



#52
Toluene
Concen: 19.761 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 92 Resp: 175525
Ion Ratio Lower Upper
92 100
91 172.8 139.4 209.2





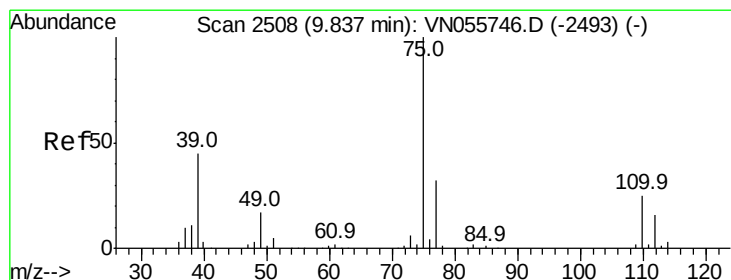
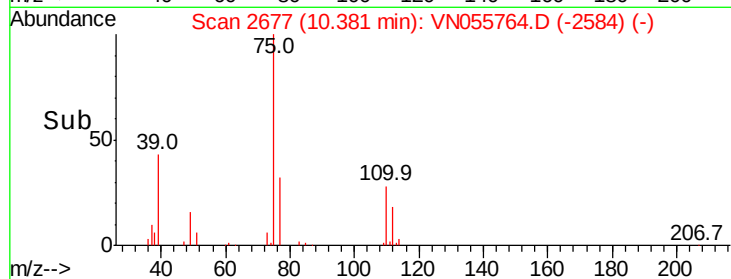
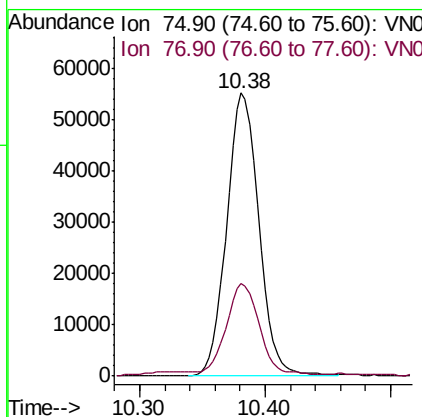
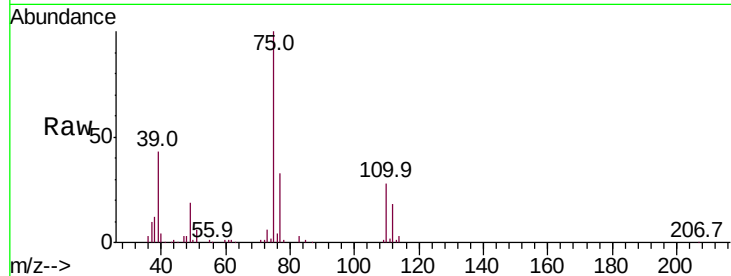
#53
 t-1,3-Dichloropropene
 Concen: 18.634 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion: 75 Resp: 98423
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6

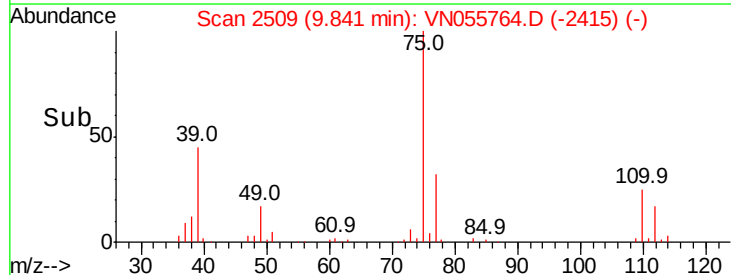
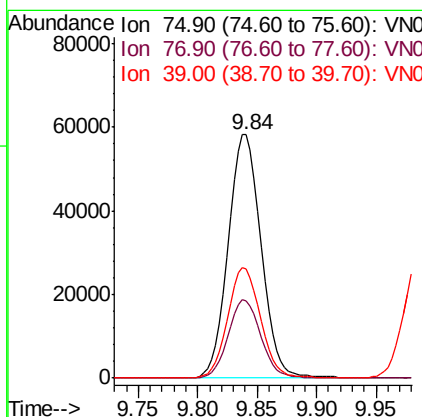
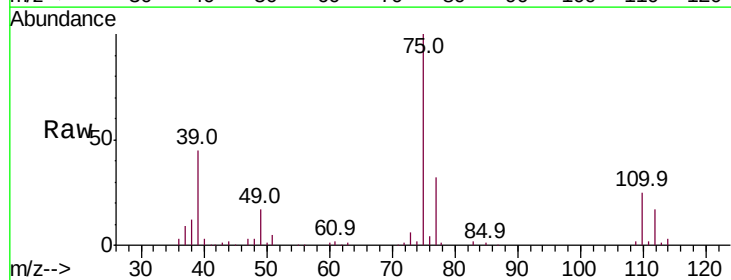
Manual Integrations
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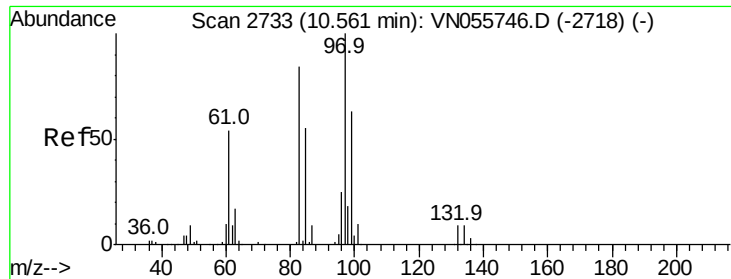
MMDadoda
 5/24/2019 9:23:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.135 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion: 75 Resp: 111963
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 44.8 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 19.560 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 97 Resp: 69603

Ion Ratio Lower Upper

97 100

83 86.5 67.0 100.6

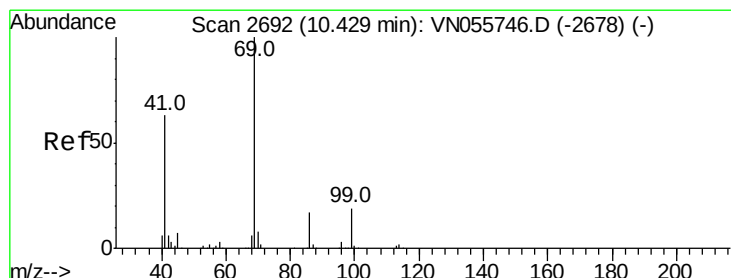
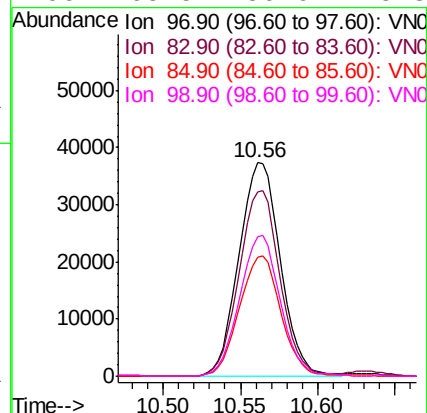
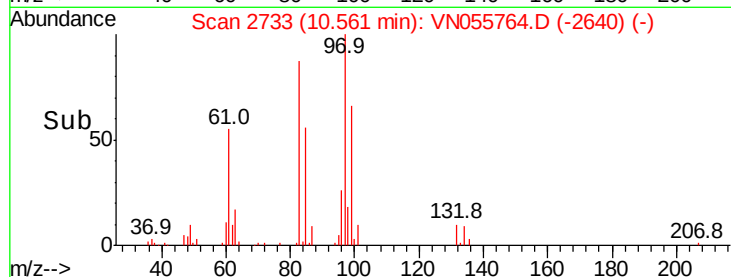
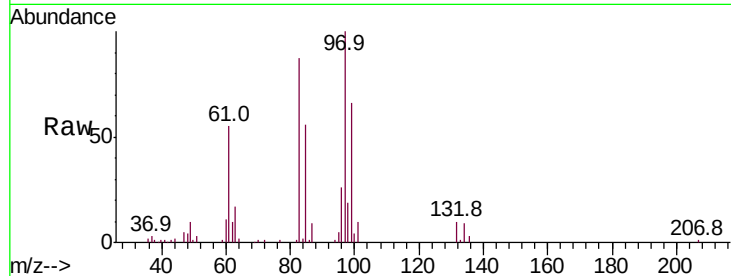
85 55.8 44.0 66.0

99 65.5 50.6 75.8

Manual Integrations
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MMDadoda

5/24/2019 9:23:48 AM



#56

Ethyl methacrylate

Concen: 19.622 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

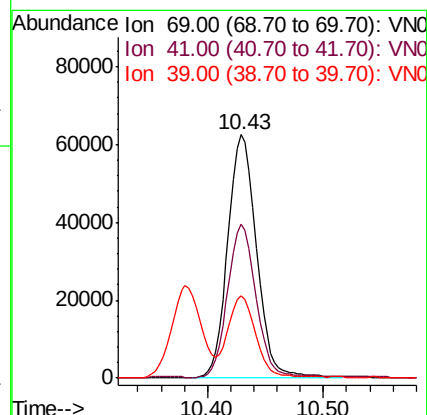
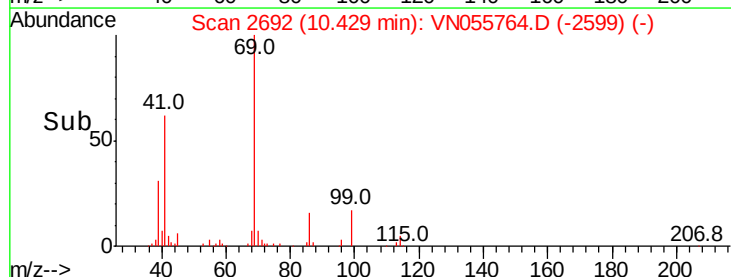
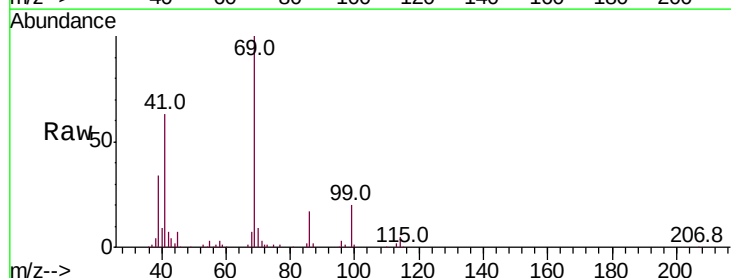
Tgt Ion: 69 Resp: 107910

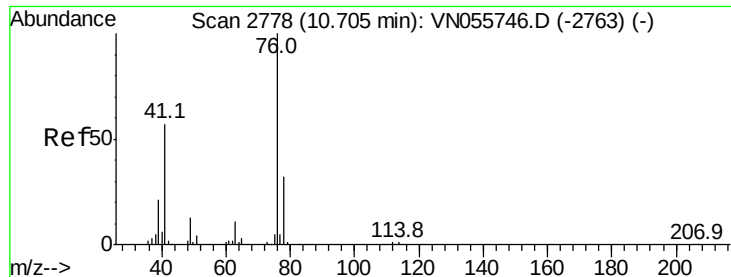
Ion Ratio Lower Upper

69 100

41 62.0 49.7 74.5

39 31.5 24.7 37.1





#57

1,3-Dichloropropane

Concen: 19.505 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 76 Resp: 112820

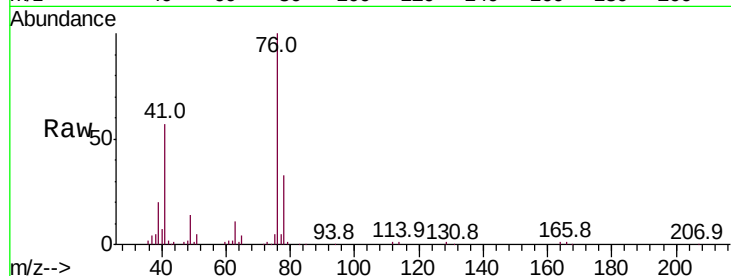
Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6

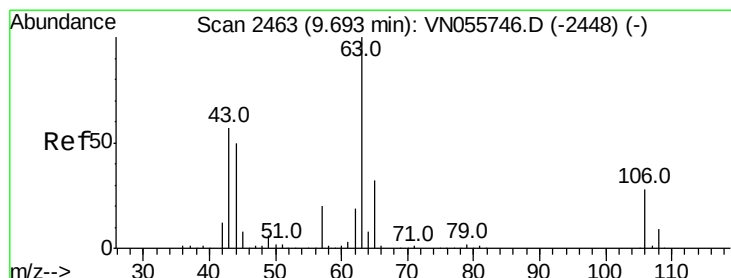
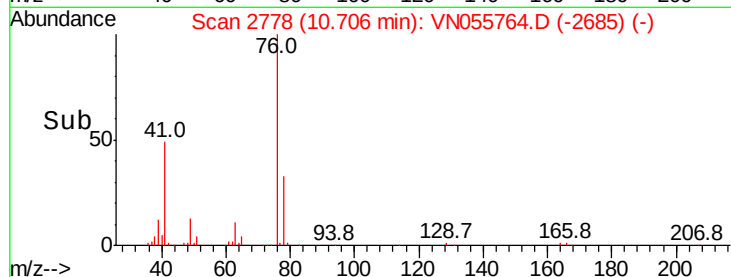
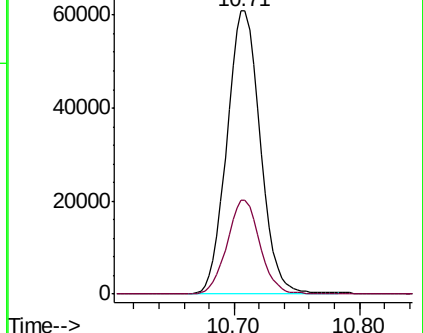
Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:23:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.151 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055764.D

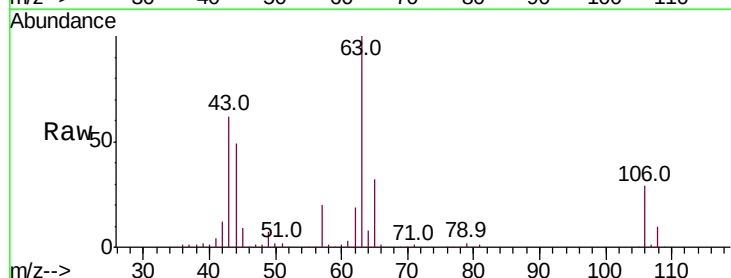
Acq: 23 May 2019 19:42

Tgt Ion: 63 Resp: 199972

Ion Ratio Lower Upper

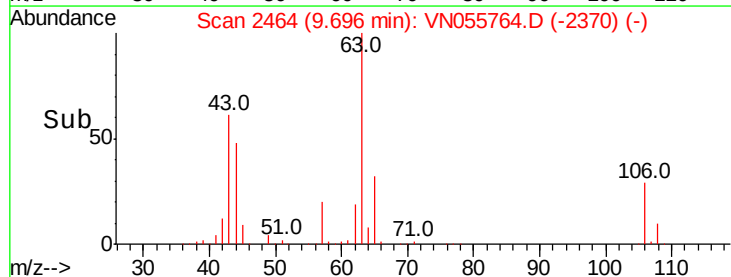
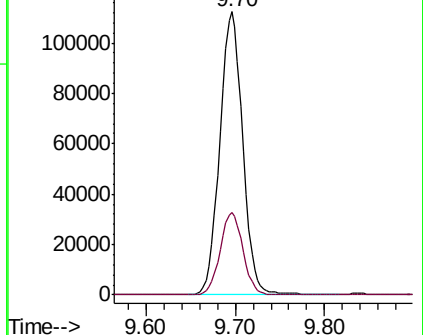
63 100

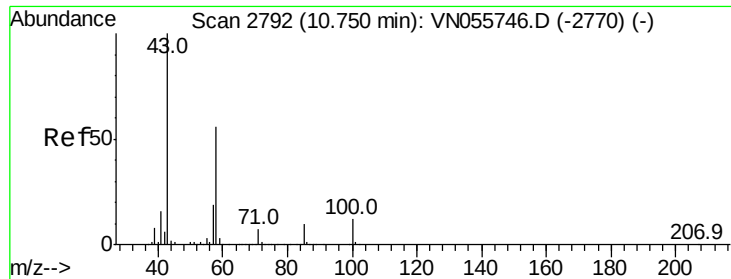
106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





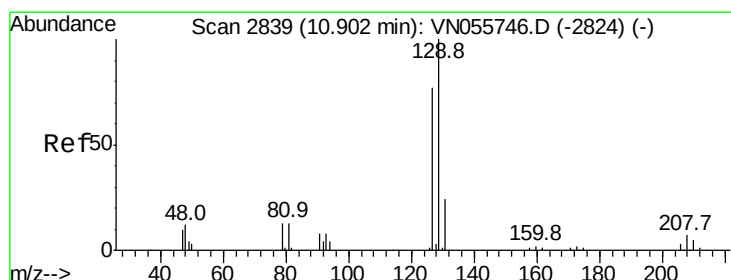
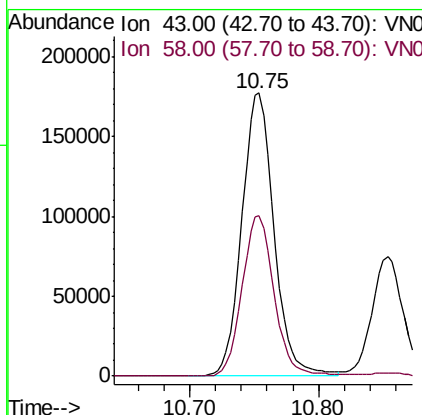
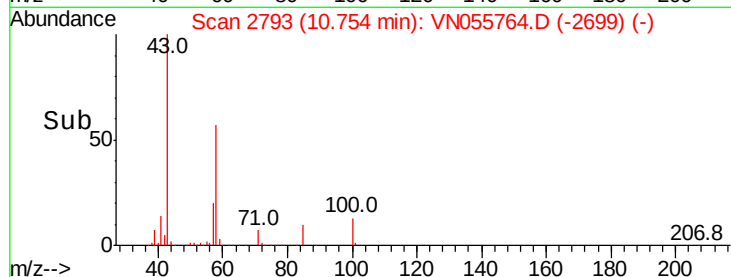
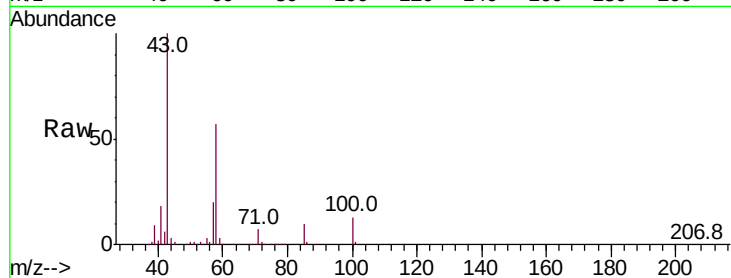
#59
2-Hexanone
Concen: 96.171 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion: 43 Resp: 306620
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7

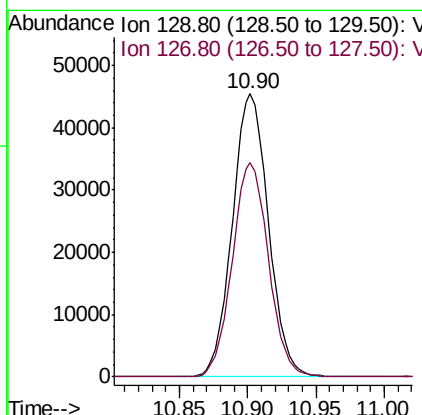
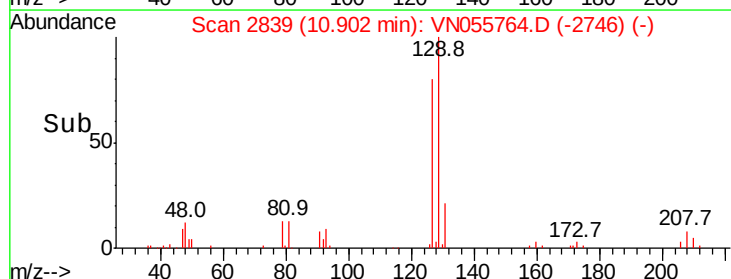
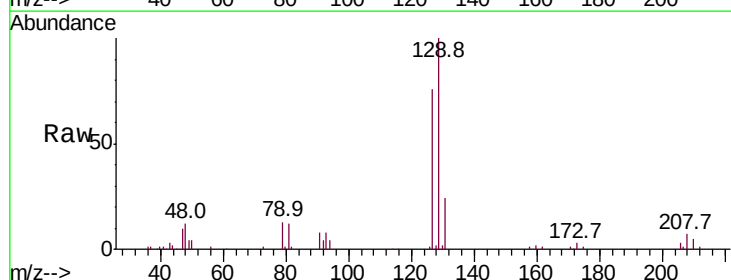
Manual Integrations
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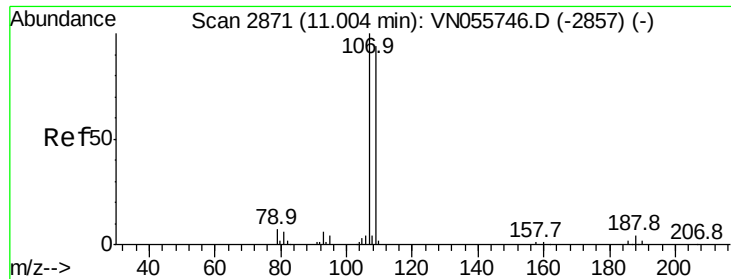
MMDadoda
5/24/2019 9:23:48 AM



#60
Dibromochloromethane
Concen: 20.152 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion: 129 Resp: 83537
Ion Ratio Lower Upper
129 100
127 75.6 38.1 114.3





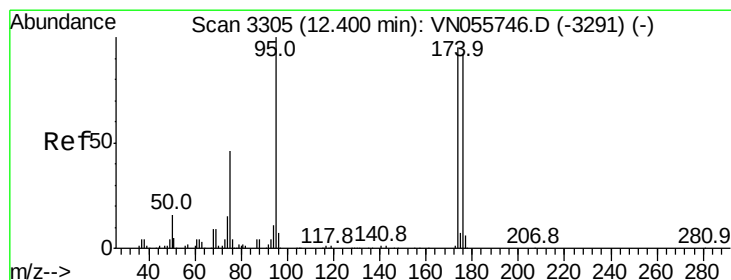
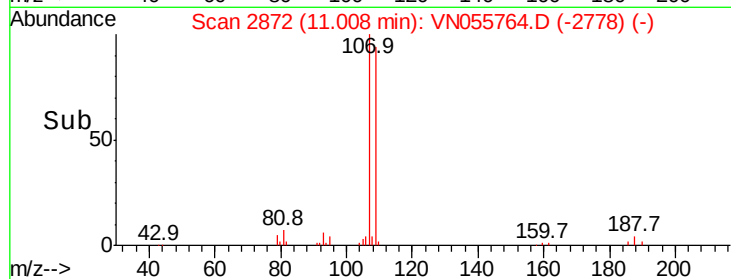
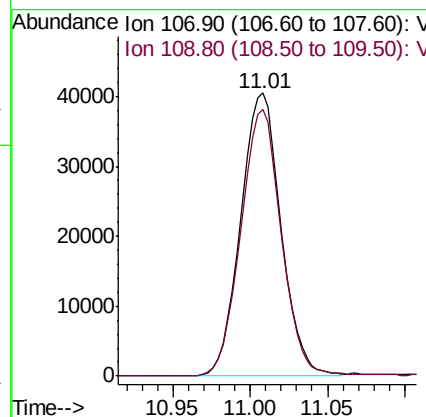
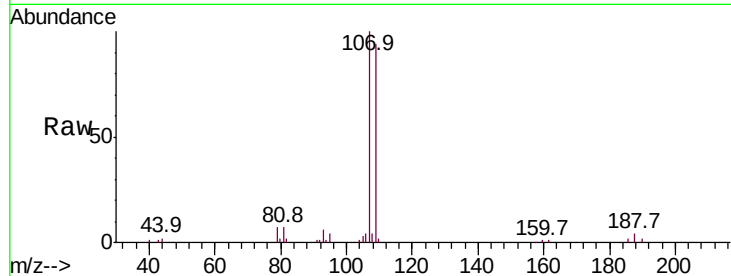
#61
 1,2-Dibromoethane
 Concen: 19.896 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.8	112.2

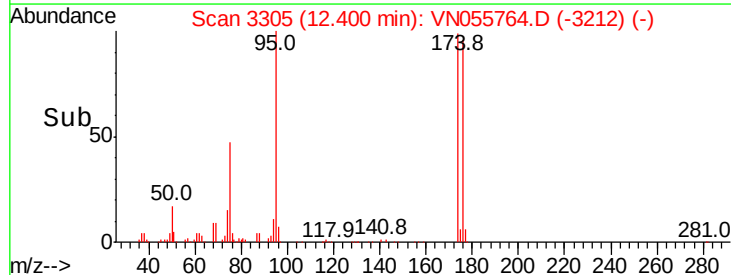
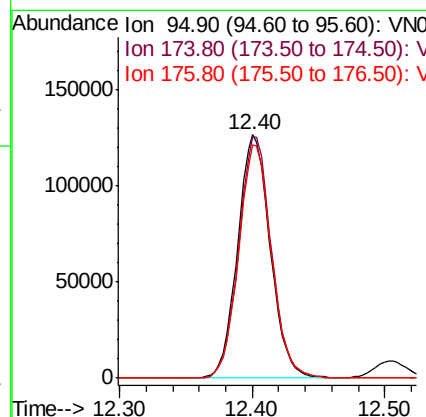
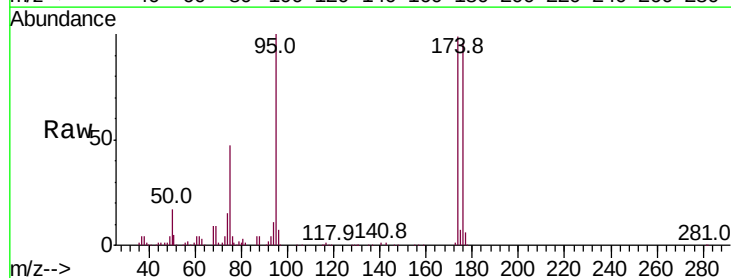
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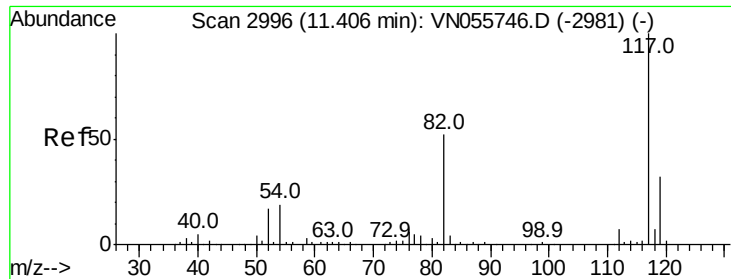
MMDadoda
 5/24/2019 9:23:48 AM



#62
 4-Bromofluorobenzene
 Concen: 48.140 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.4	0.0	191.0
176	96.4	0.0	185.2





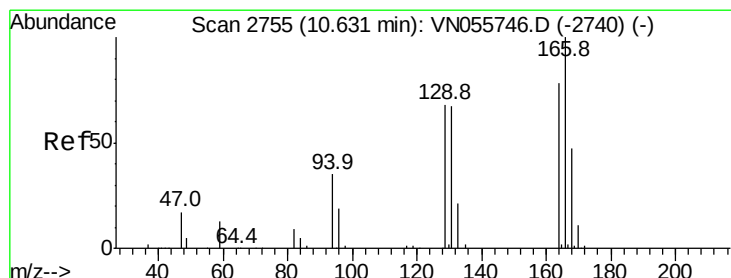
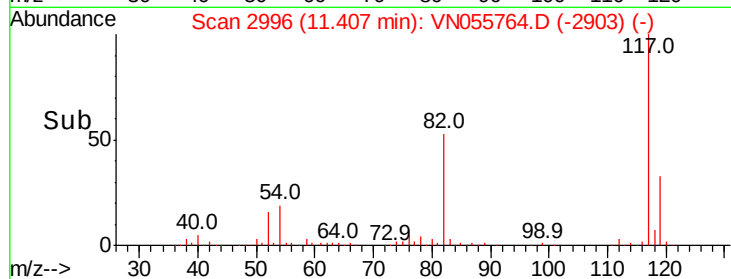
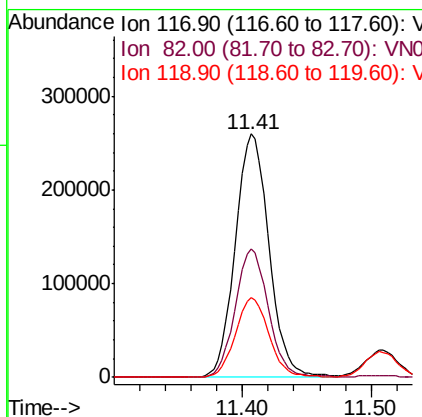
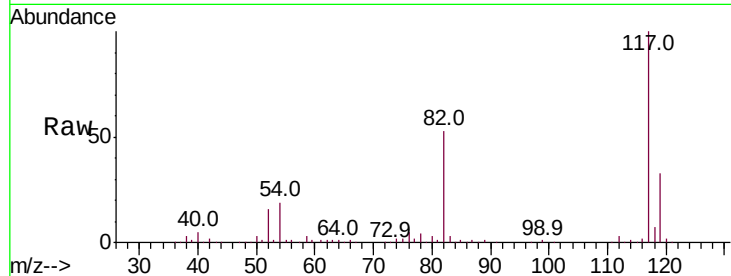
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.8
119	32.6	25.4	38.0

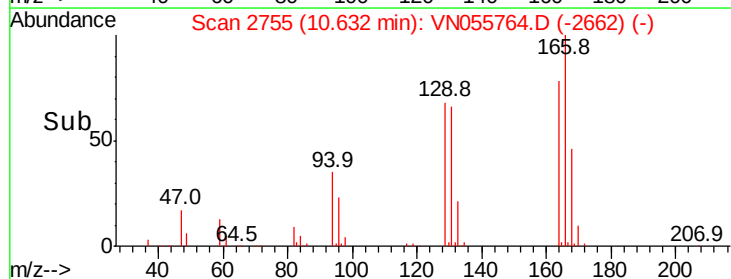
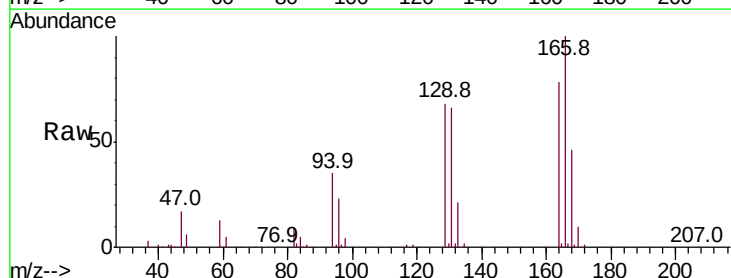
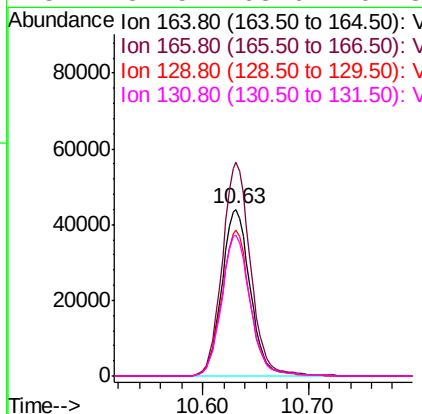
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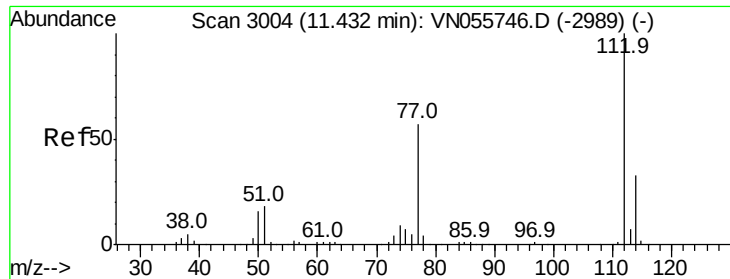
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#64
Tetrachloroethene
Concen: 20.617 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.0	154.6
129	87.4	70.6	105.8
131	84.5	68.6	102.8





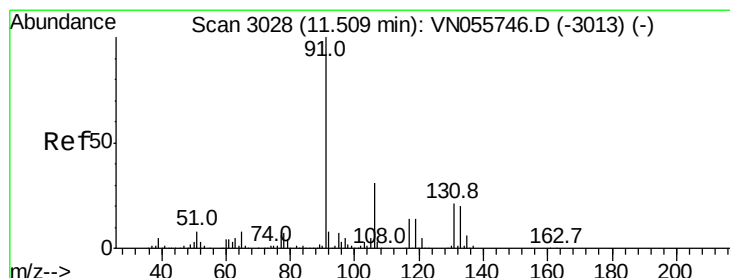
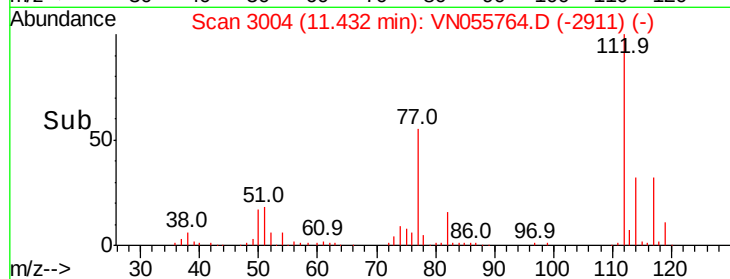
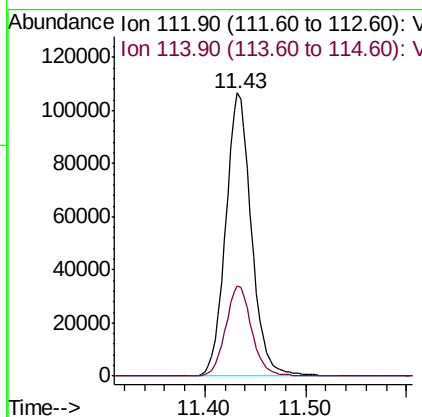
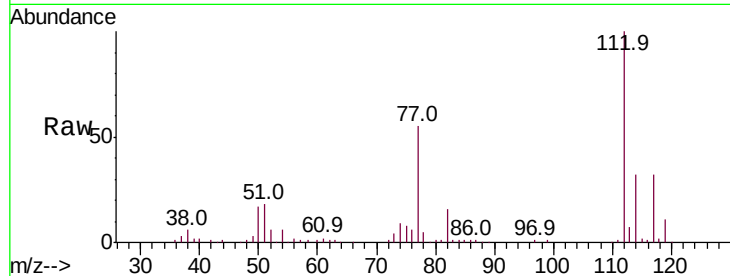
#65
Chlorobenzene
Concen: 20.086 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampled :
VN0523WBSD01

Tot Ion:112 Resp: 190089
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

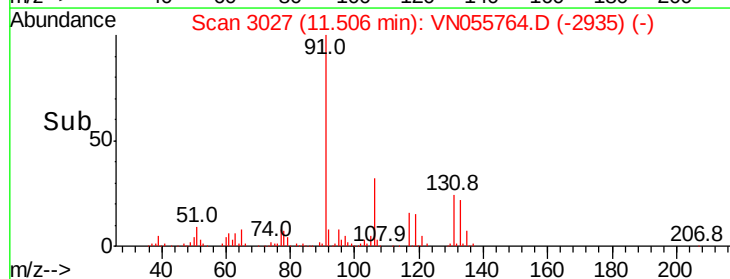
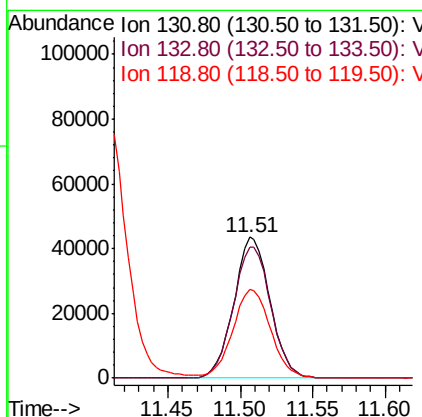
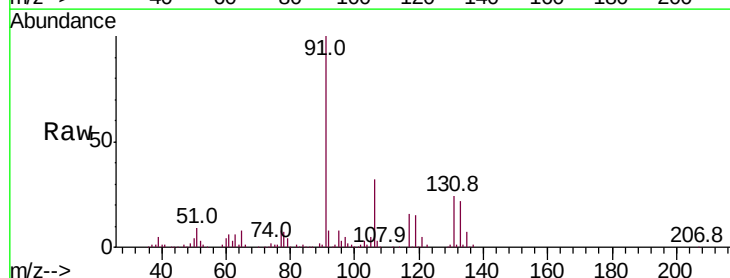
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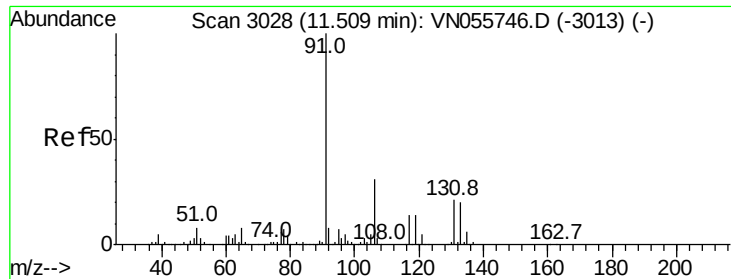
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.040 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:131 Resp: 75639
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 65.9 33.1 99.5





#67

Ethyl Benzene

Concen: 19.464 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 91 Resp: 330328

Ion Ratio Lower Upper

91 100

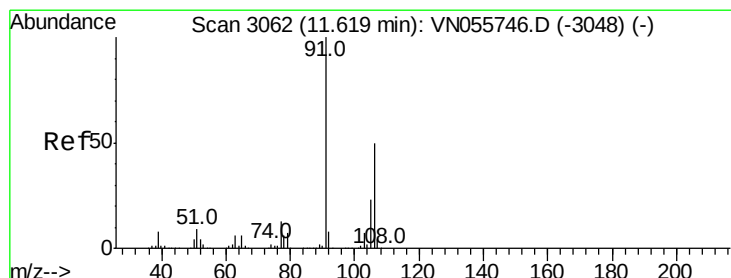
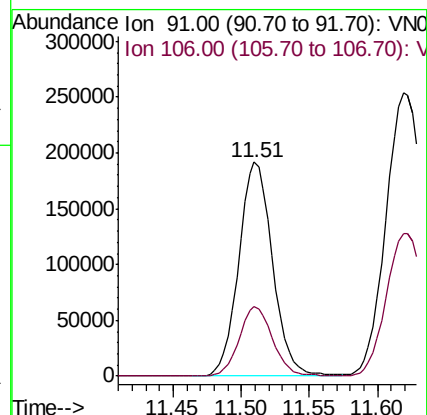
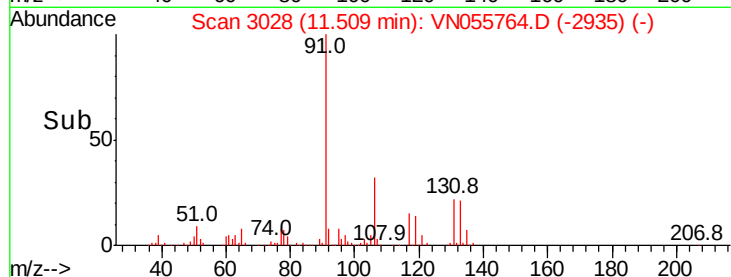
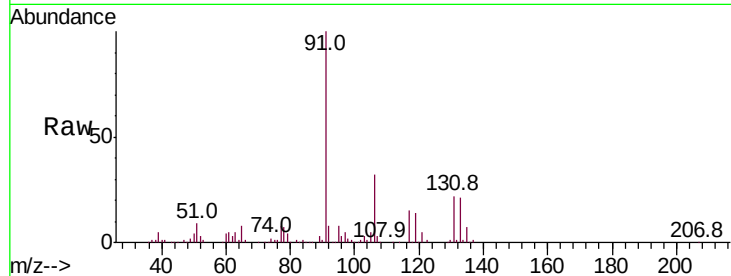
106 32.4 25.1 37.7

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#68

m/p-Xylenes

Concen: 39.575 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055764.D

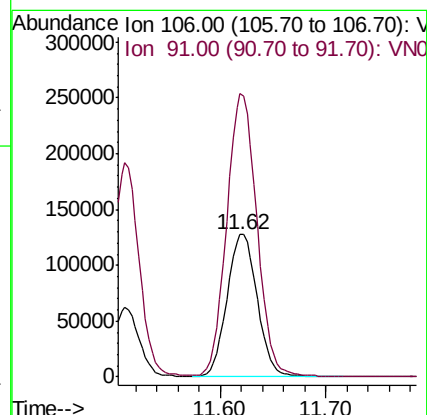
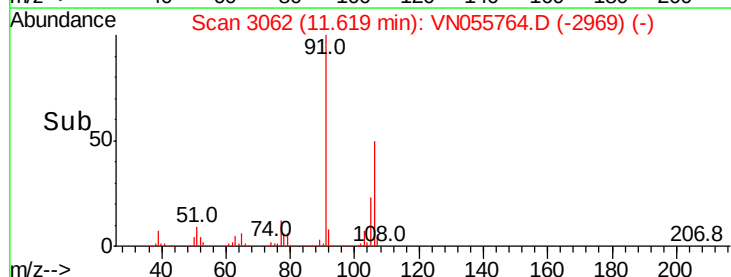
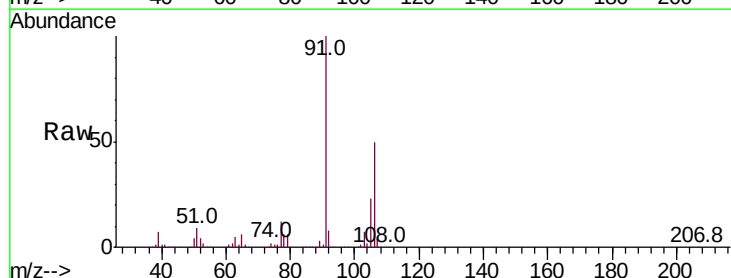
Acq: 23 May 2019 19:42

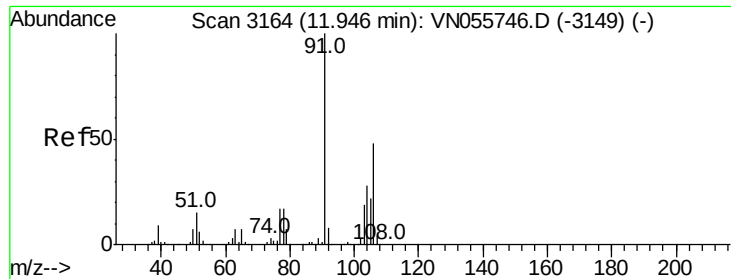
Tgt Ion: 106 Resp: 253907

Ion Ratio Lower Upper

106 100

91 198.7 159.3 238.9





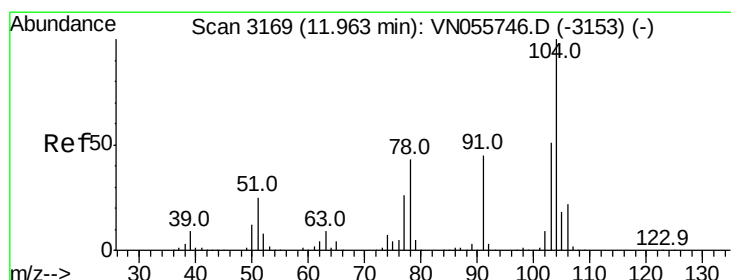
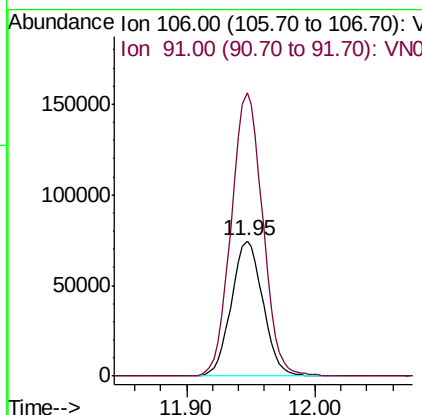
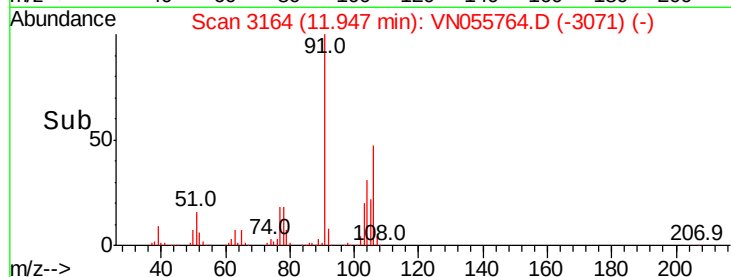
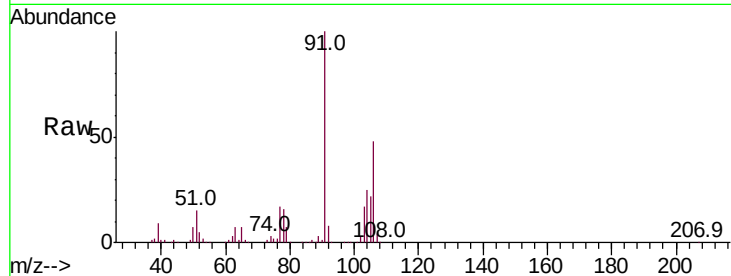
#69
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampled :
VN0523WBSD01

Tot Ion:106 Resp: 126841
Ion Ratio Lower Upper
106 100
91 209.2 104.7 314.1

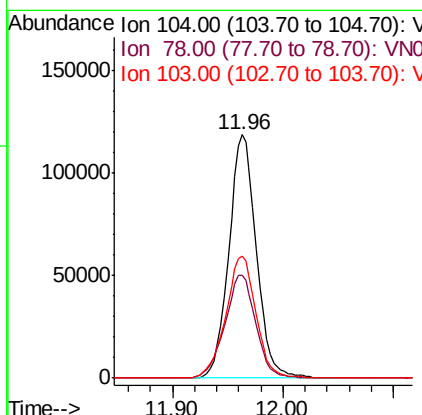
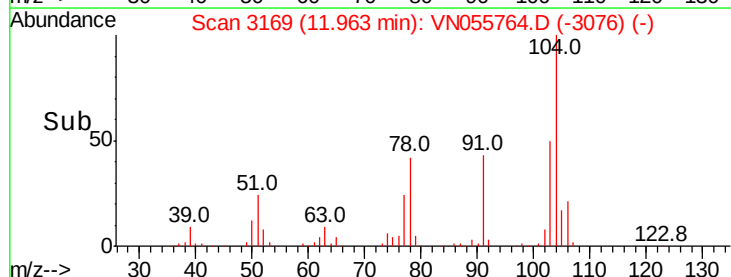
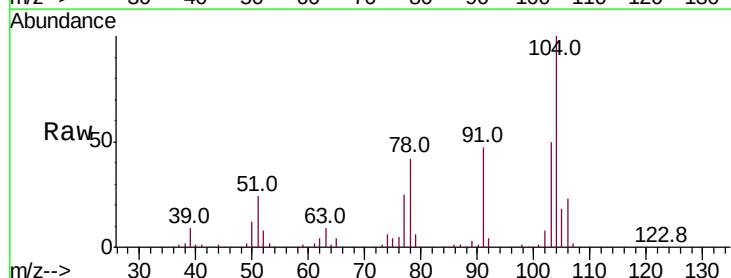
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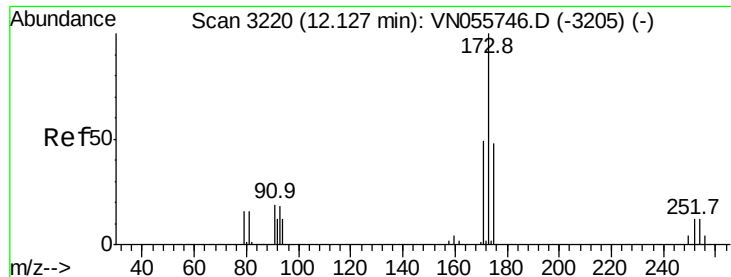
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#70
Styrene
Concen: 19.860 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion:104 Resp: 204726
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.6
103 55.2 44.2 66.2





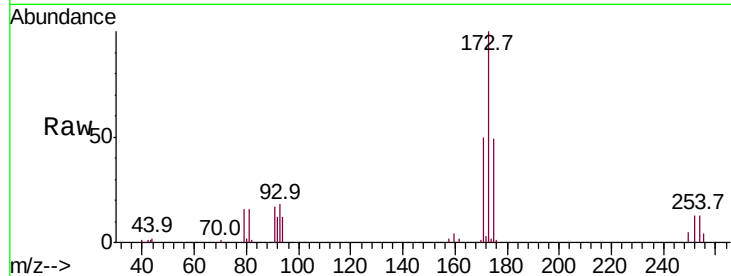
#71
Bromoform
Concen: 19.996 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

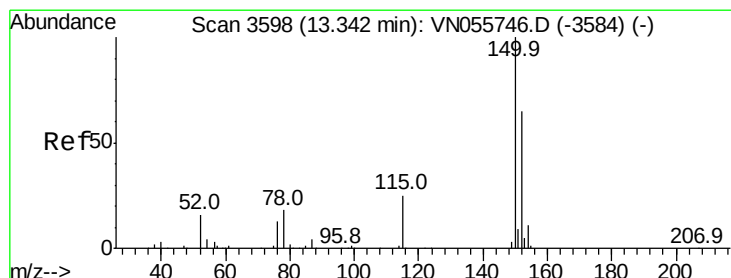
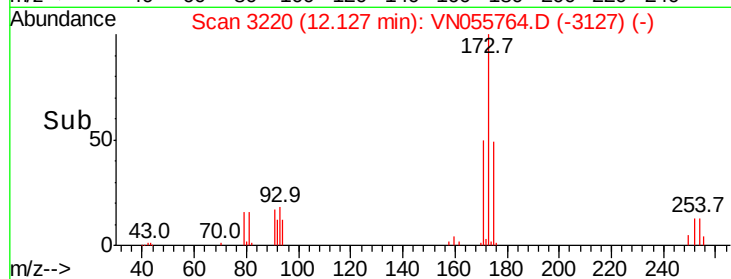
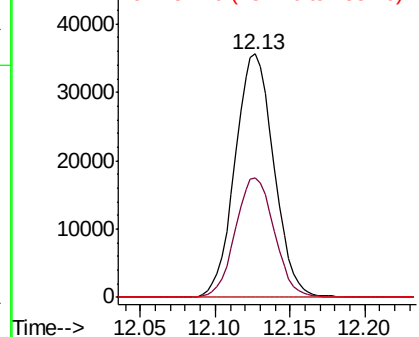
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

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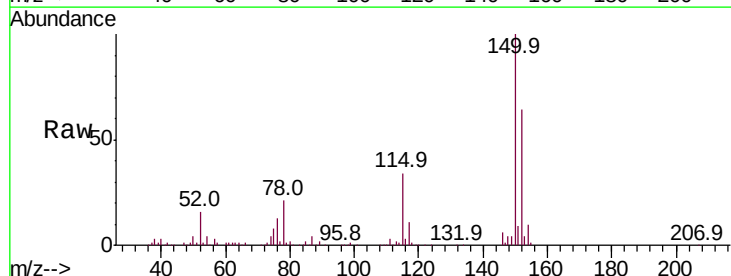


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

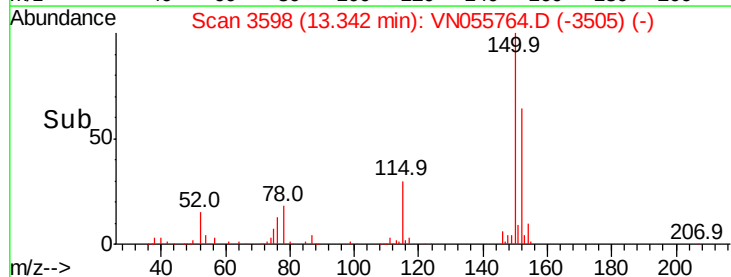
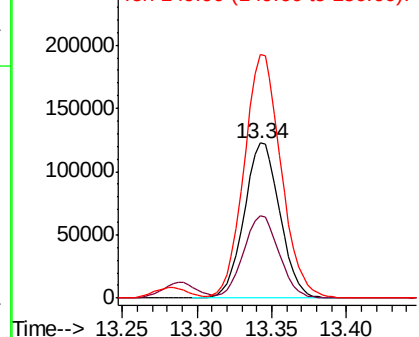


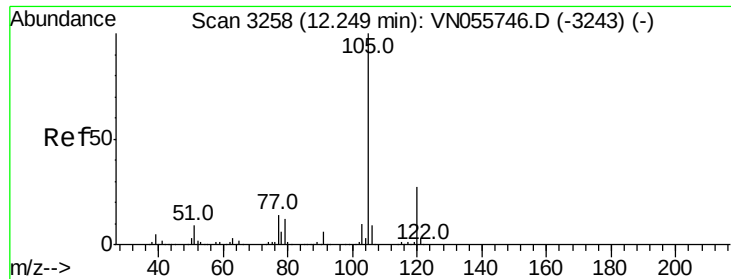
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.0	81.0
150	163.0	0.0	343.2



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





#73

Isopropylbenzene

Concen: 21.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion:105 Resp: 333583

Ion Ratio Lower Upper

105 100

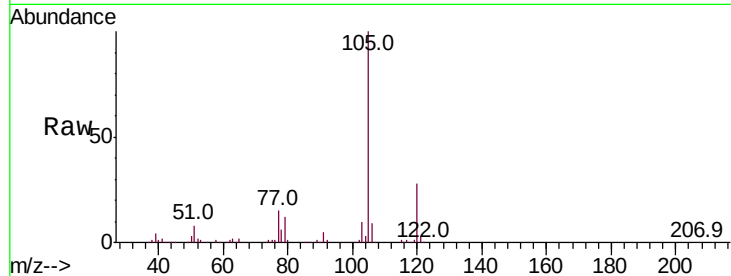
120 27.7 13.6 40.7

Manual Integrations

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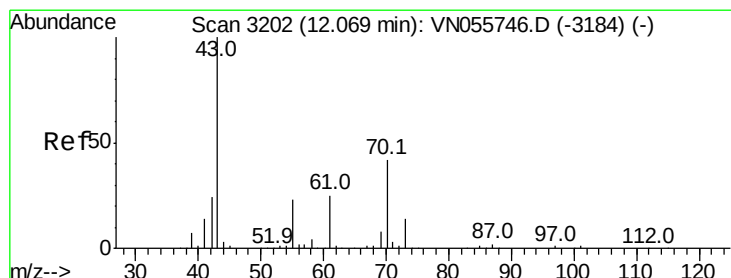
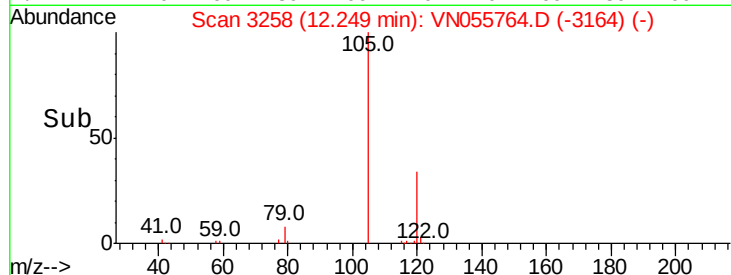
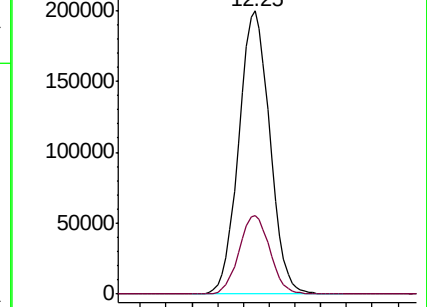
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.882 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion: 43 Resp: 117078

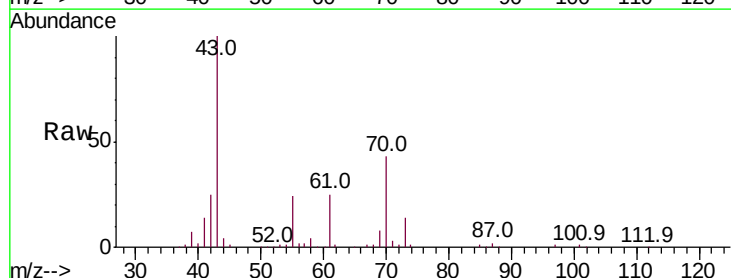
Ion Ratio Lower Upper

43 100

70 43.4 34.0 51.0

55 24.2 18.6 28.0

61 25.2 20.0 30.0

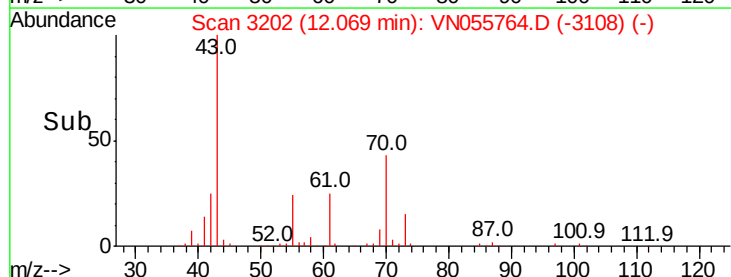
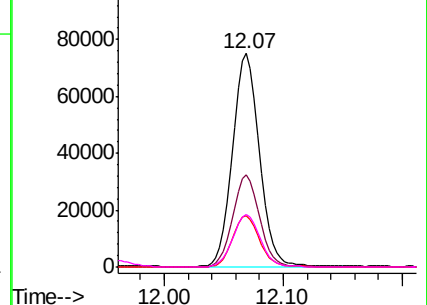


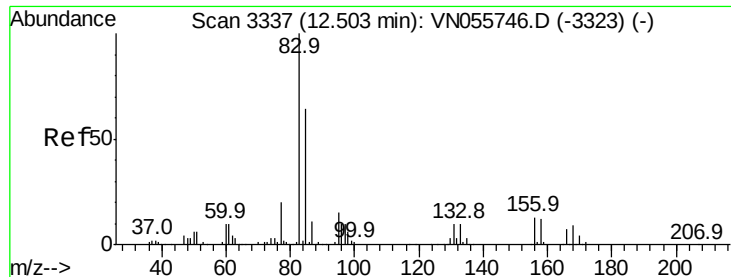
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.919 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

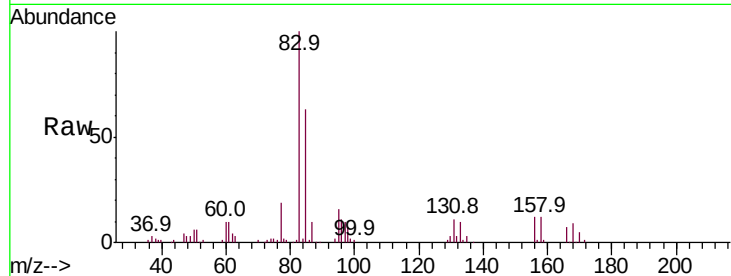
ClientSampleId :

VN0523WBSD01

Tot Ion:	83	Resp:	97902
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	63.9	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)

12.50

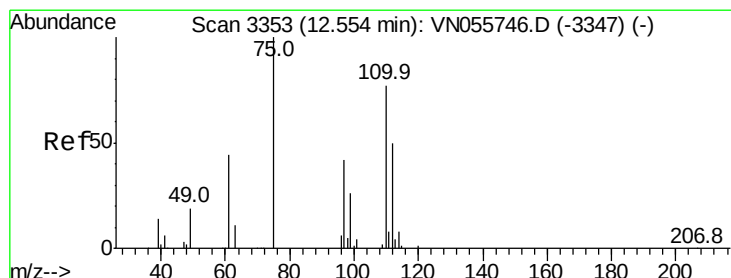
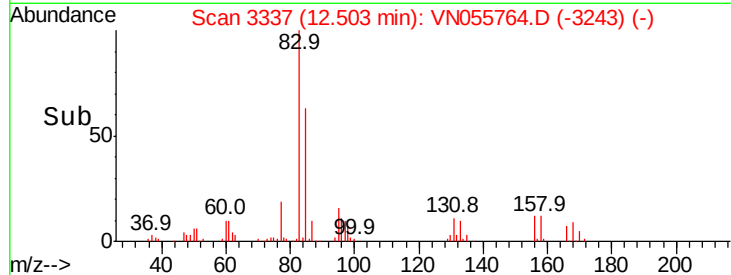
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.544 ug/l m

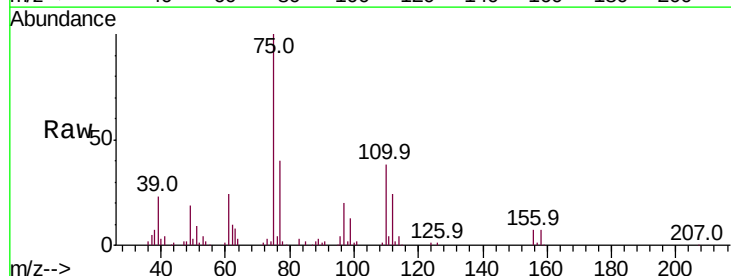
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	75	Resp:	88300
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)

12.55

80000

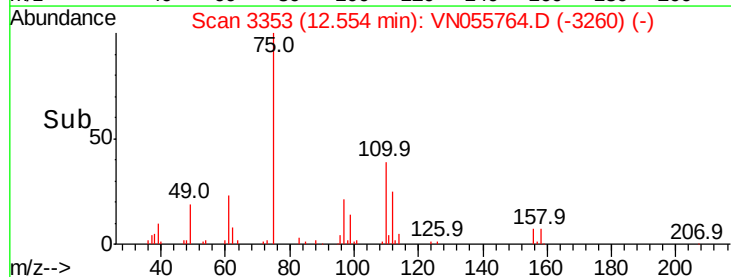
60000

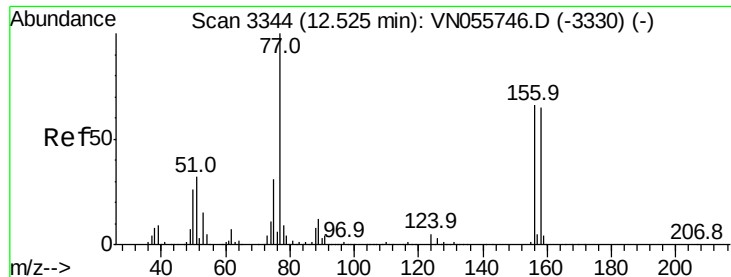
40000

20000

0

Time-->





#77

Bromobenzene

Concen: 20.214 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

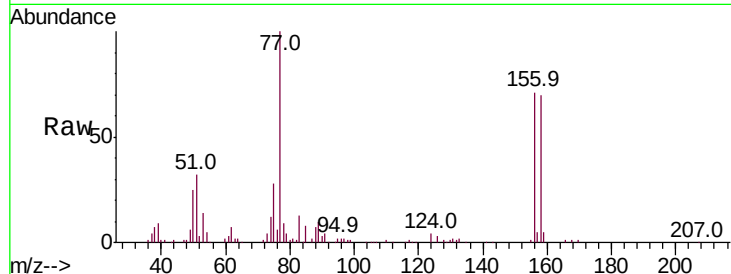
ClientSampleId :

VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.9	90.8	272.5
158	99.2	49.3	147.8

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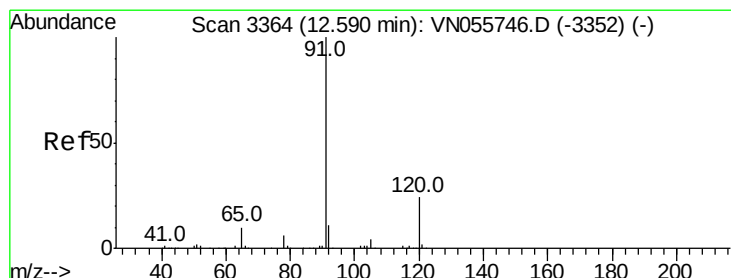
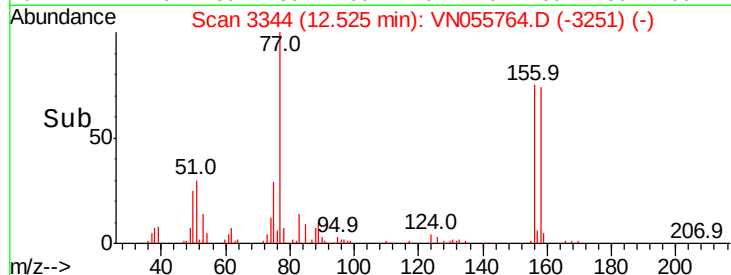
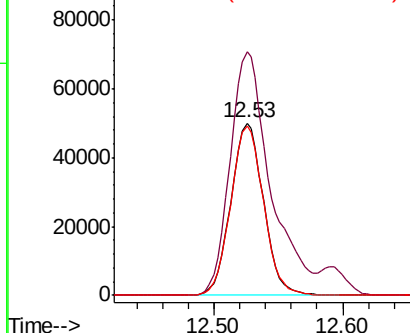
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.416 ug/l

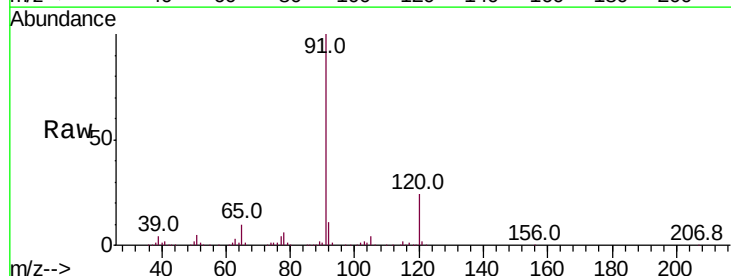
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055764.D

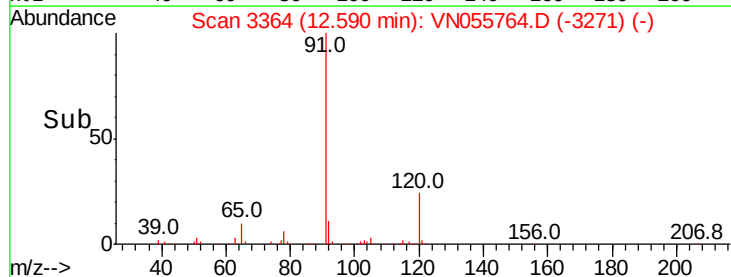
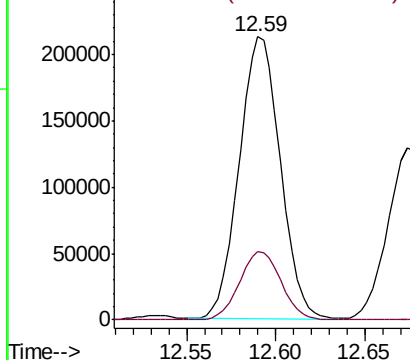
Acq: 23 May 2019 19:42

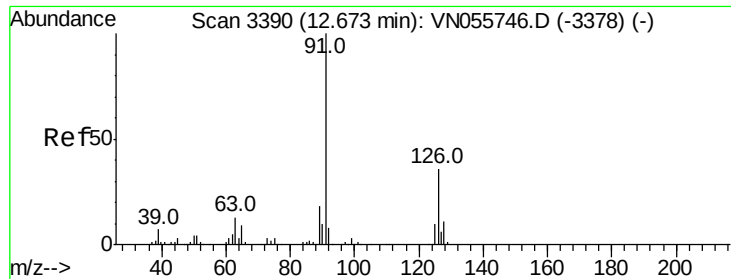
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion: 91 Resp: 213725

Ion Ratio Lower Upper

91 100

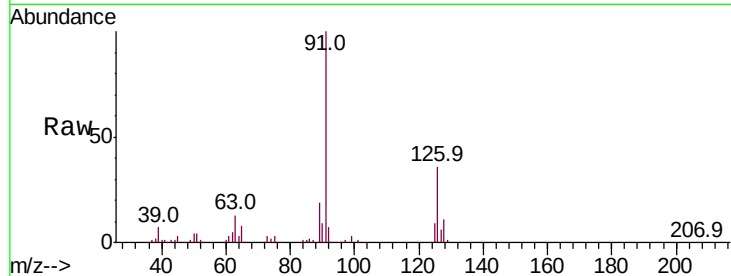
126 36.5 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

200000

150000

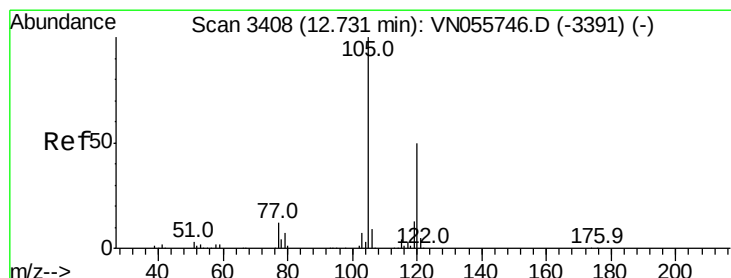
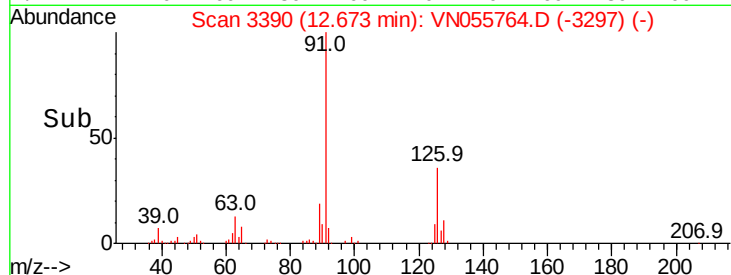
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.068 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055764.D

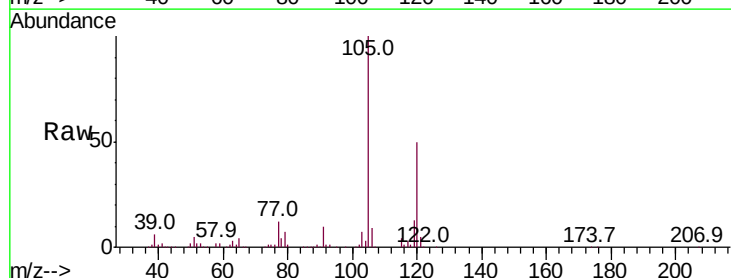
Acq: 23 May 2019 19:42

Tgt Ion:105 Resp: 274640

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

200000

150000

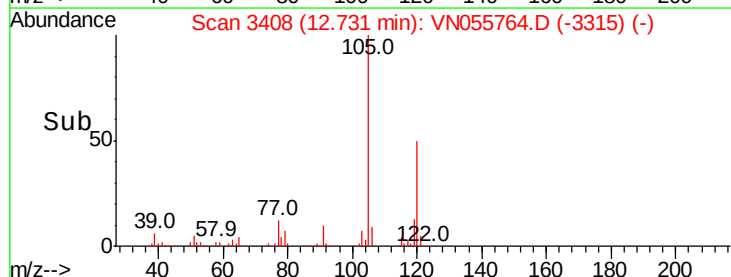
100000

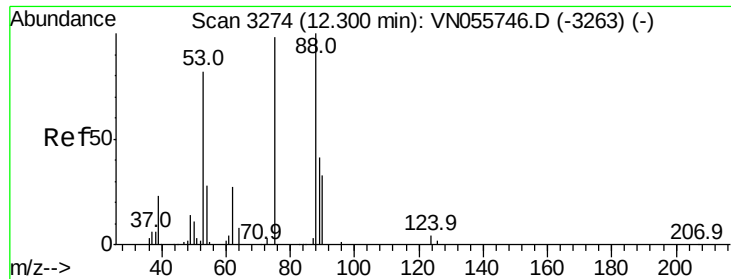
50000

0

12.70 12.73 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.116 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

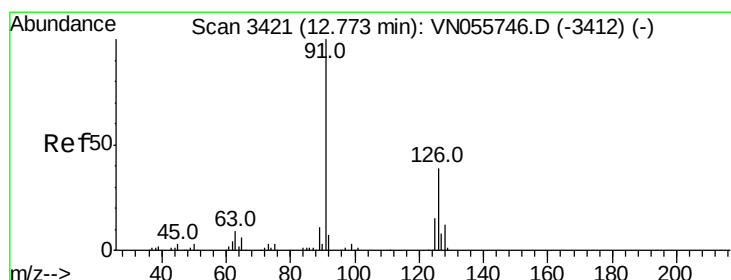
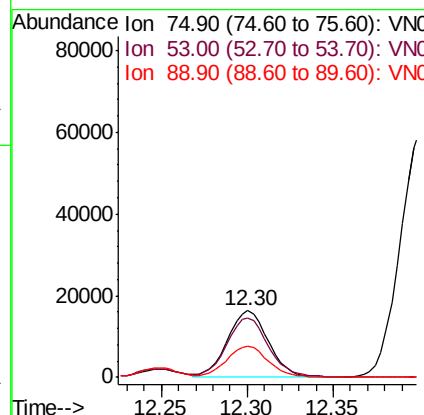
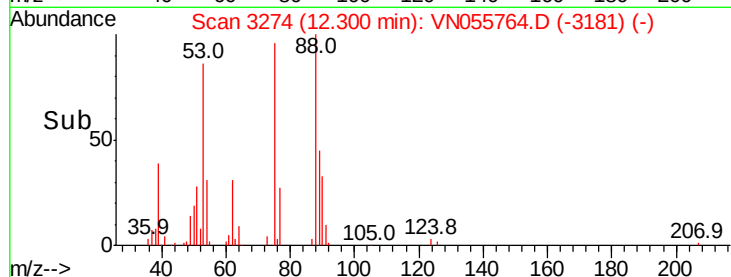
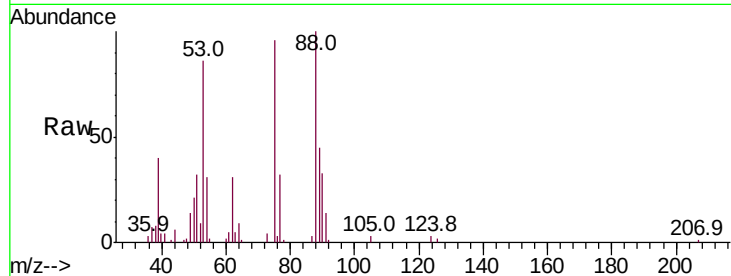
ClientSampleId :

VN0523WBSD01

Tot Ion:	75	Resp:	27388
Ion	Ratio	Lower	Upper
75	100		
53	90.4	68.1	102.1
89	47.1	36.9	55.3

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#82

4-Chlorotoluene

Concen: 19.341 ug/l

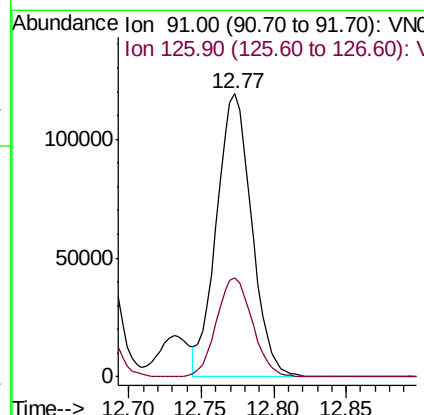
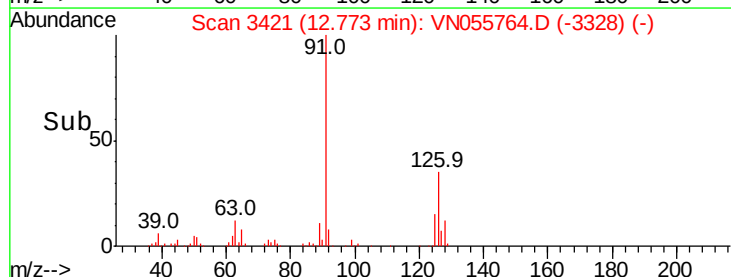
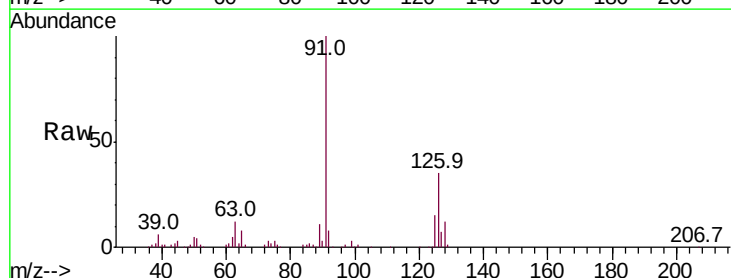
RT: 12.77 min Scan# 3421

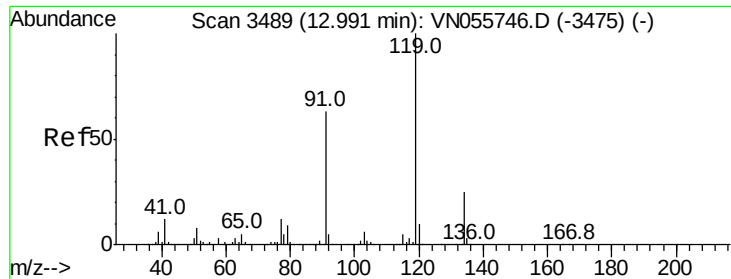
Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	91	Resp:	201001
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3





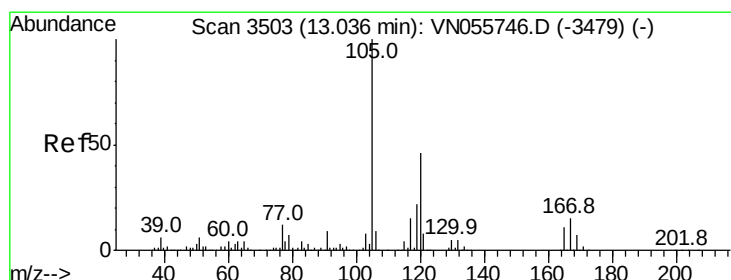
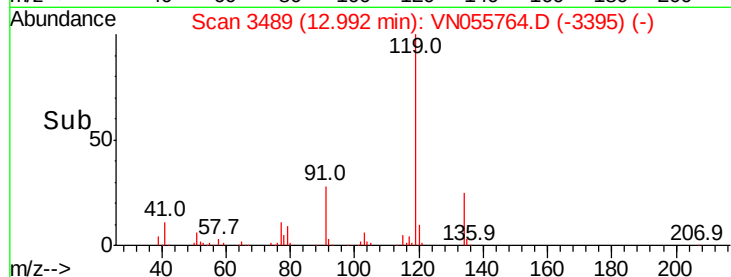
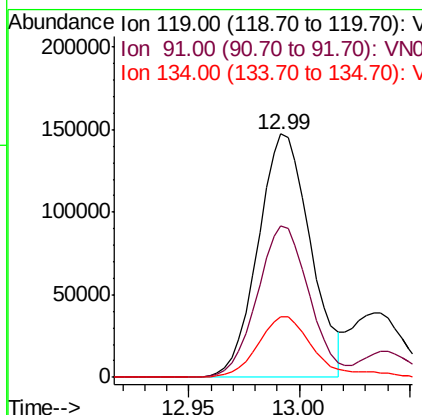
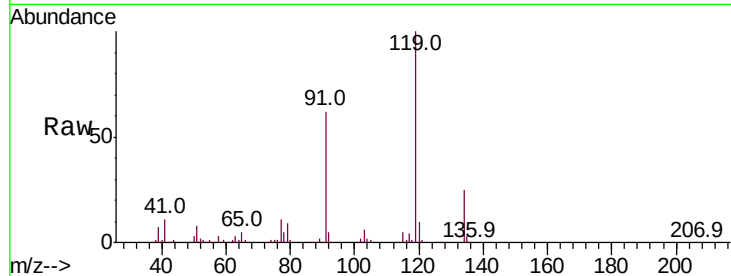
#83
 tert-Butylbenzene
 Concen: 21.381 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243331		
91	61.6	30.9	92.8	
134	26.7	13.3	39.8	

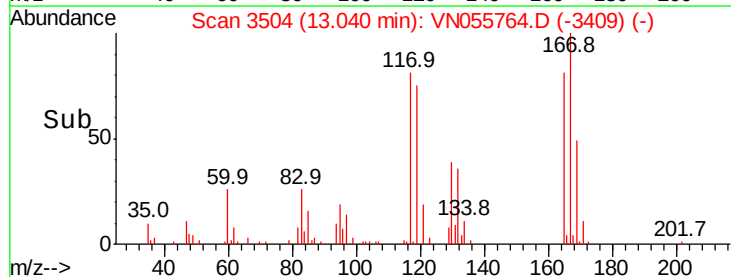
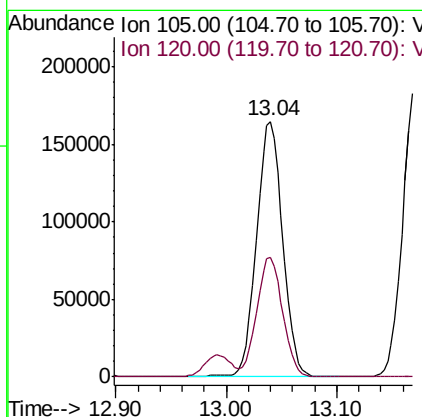
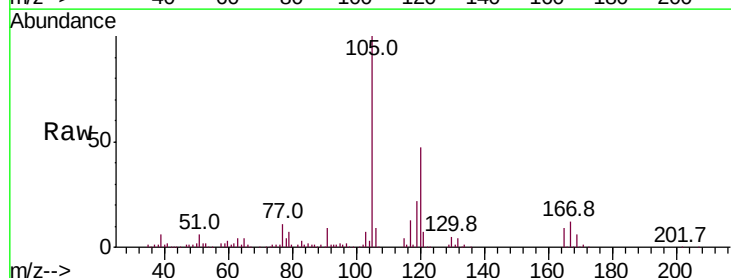
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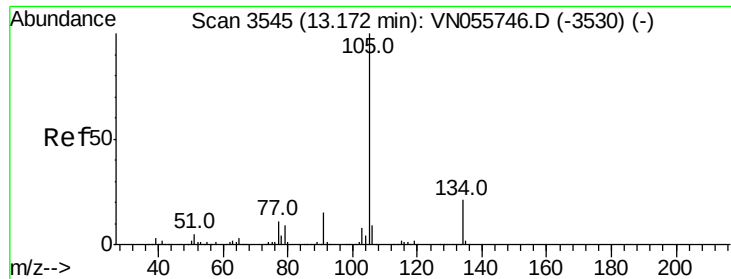
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.834 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269942		
120	46.5	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.937 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBSD01

Tot Ion:105 Resp: 305497

Ion Ratio Lower Upper

105 100

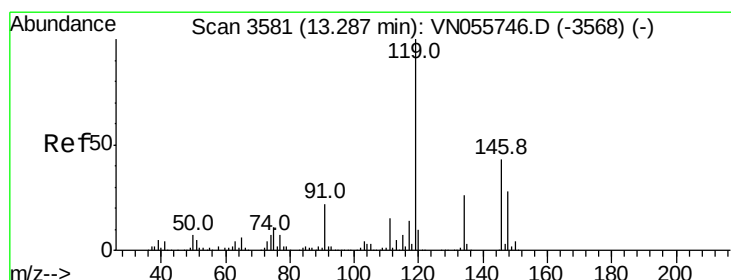
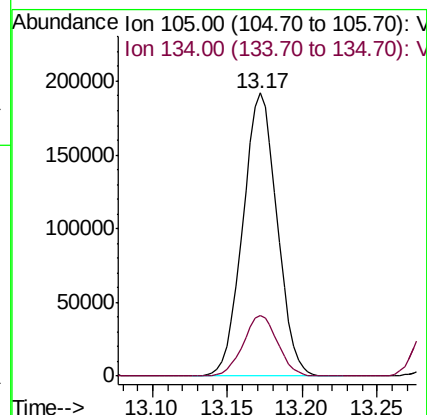
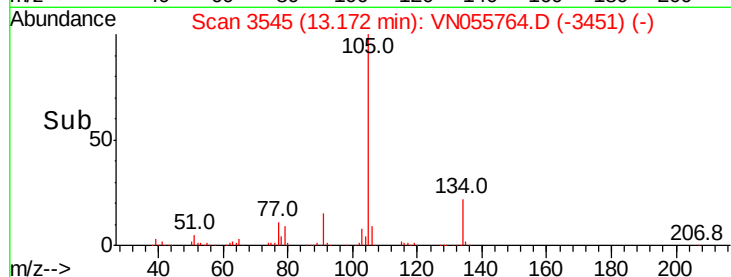
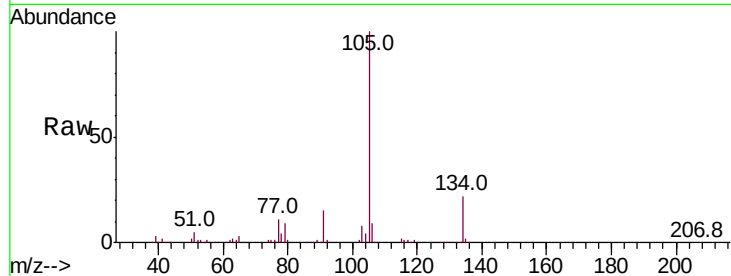
134 21.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.841 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

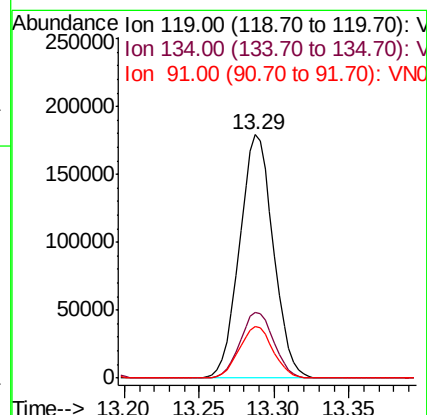
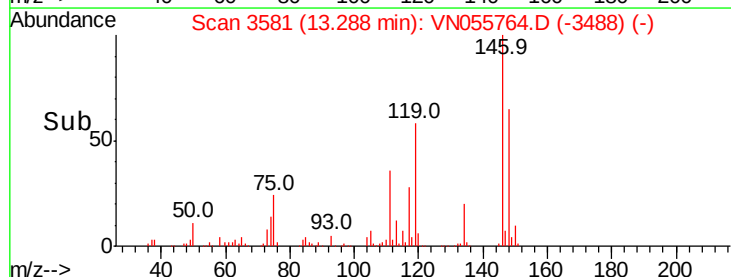
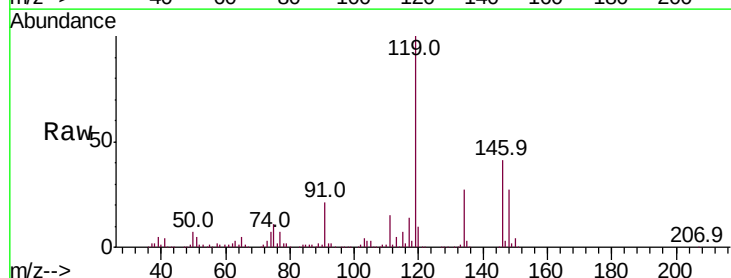
Tgt Ion:119 Resp: 280283

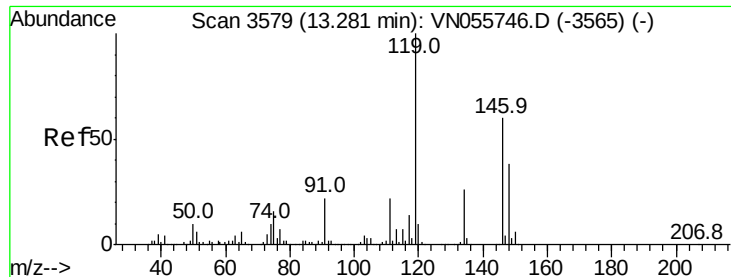
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.3 10.9 32.9





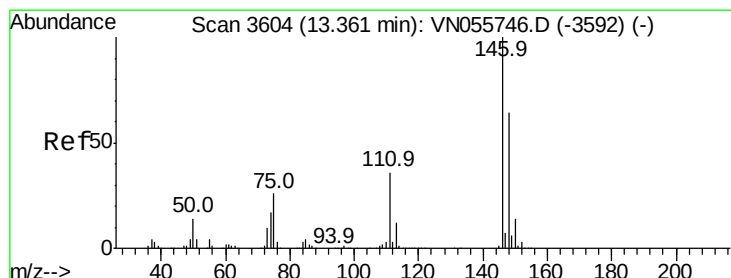
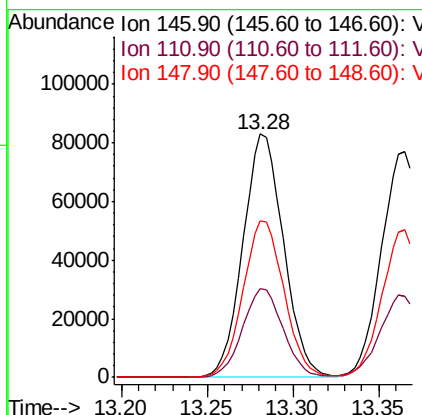
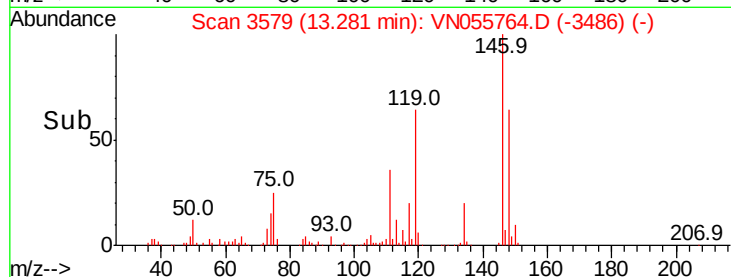
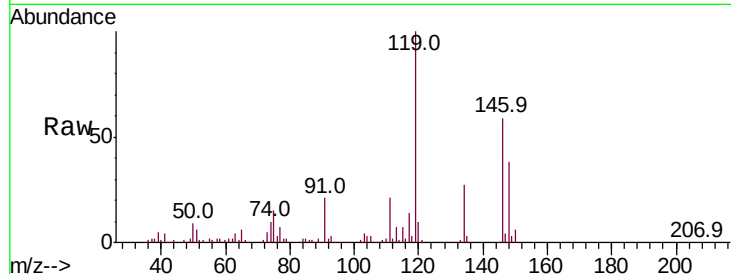
#87
 1,3-Dichlorobenzene
 Concen: 19.837 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	64.7	32.0	96.2

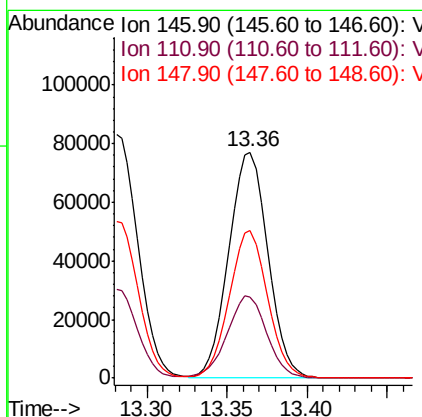
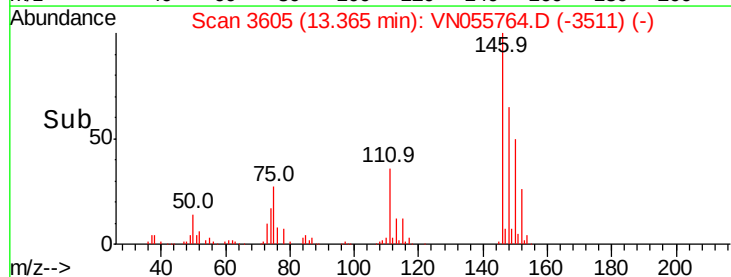
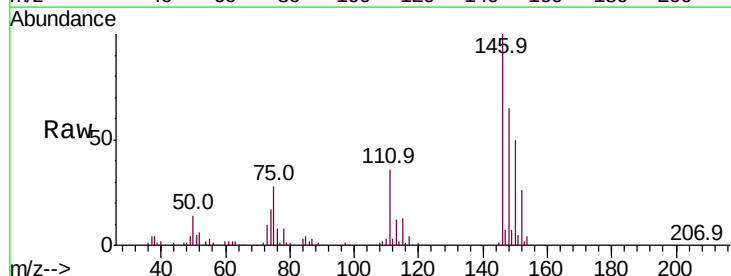
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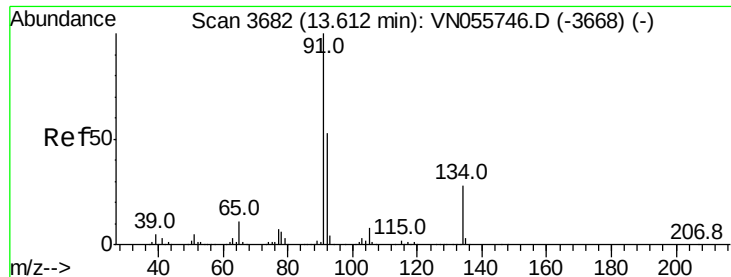
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#88
 1,4-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.0	32.1	96.5





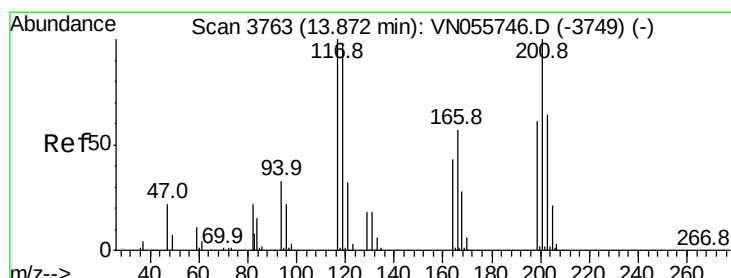
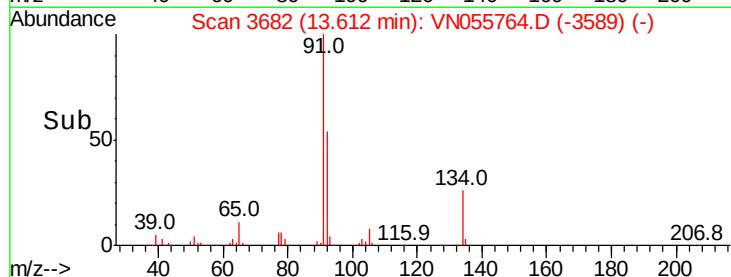
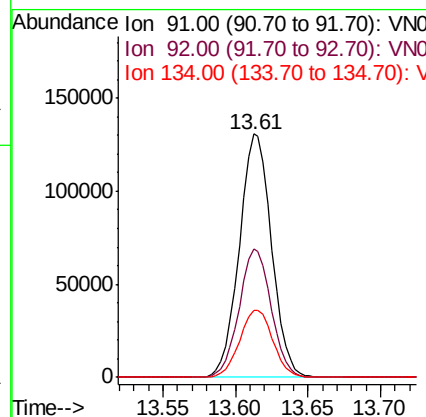
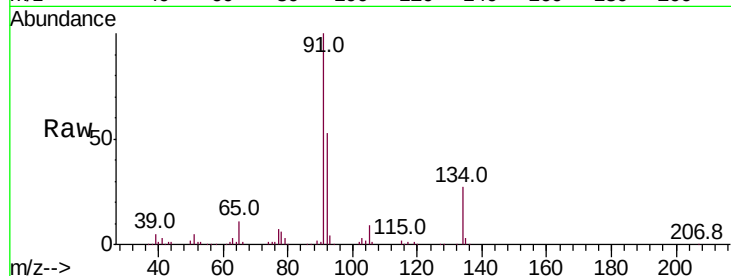
#89
n-Butylbenzene
Concen: 18.607 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	201399		
92	52.5		26.4	79.0
134	28.4		13.9	41.7

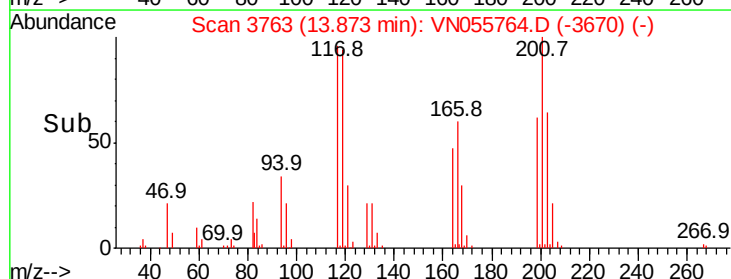
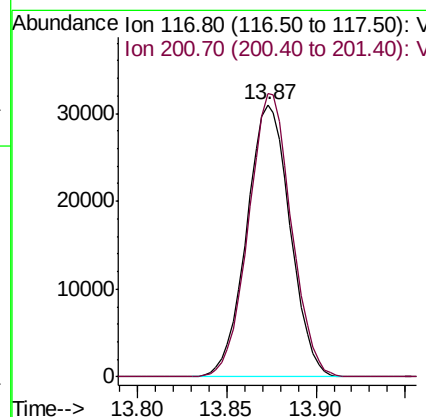
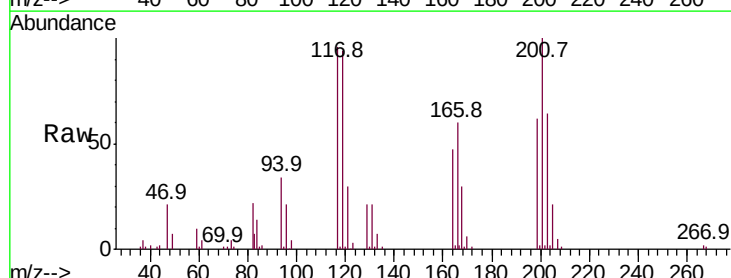
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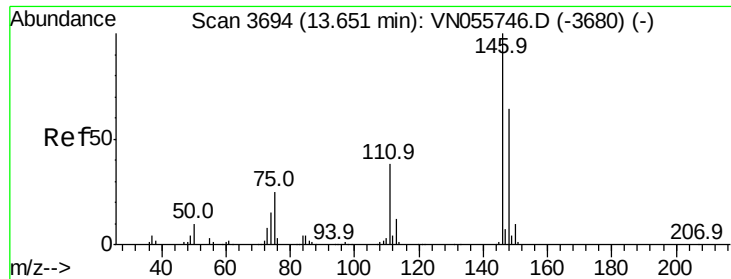
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#90
Hexachloroethane
Concen: 19.596 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055764.D
Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52691		
201	102.6		50.0	150.0





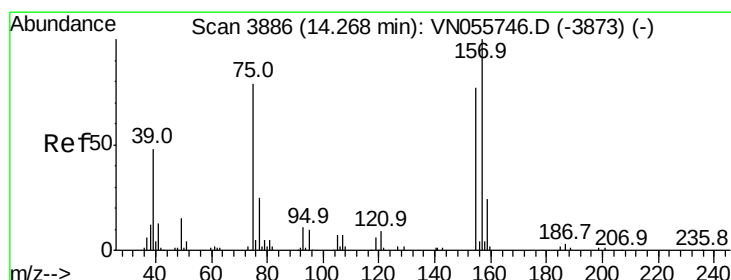
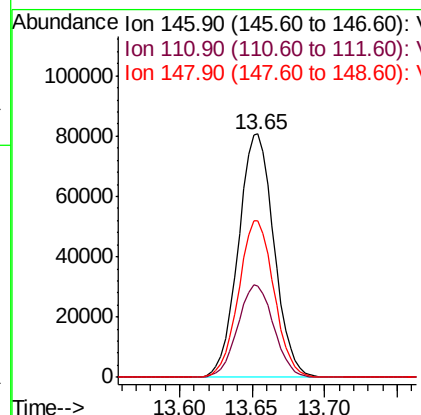
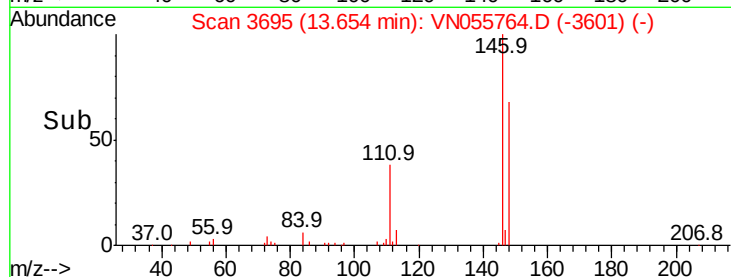
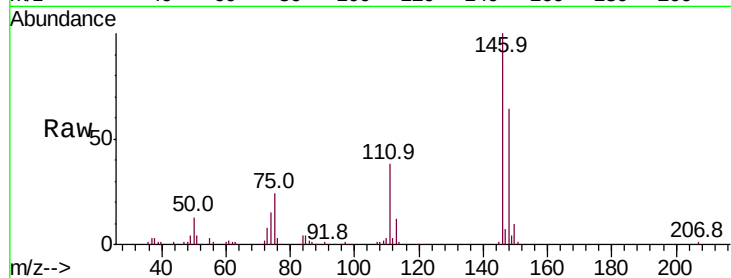
#91
 1,2-Dichlorobenzene
 Concen: 20.036 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.3	19.1	57.5	
148	64.0	31.9	95.9	

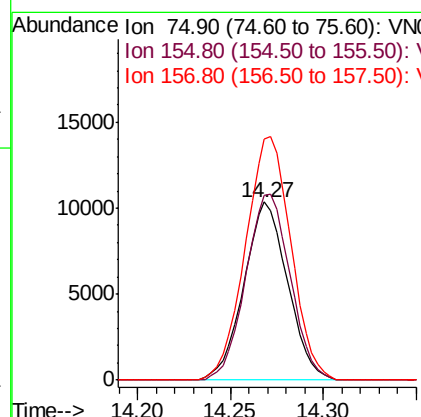
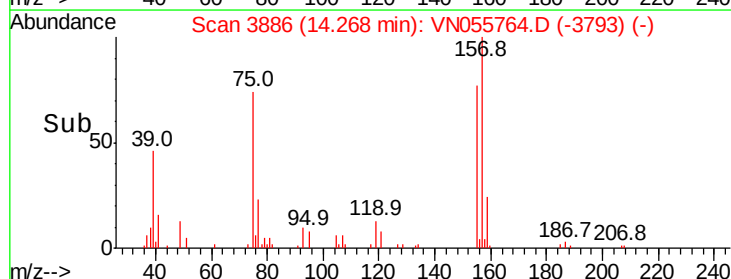
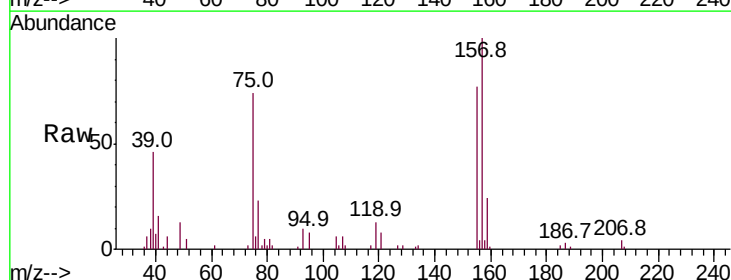
Manual Integrations
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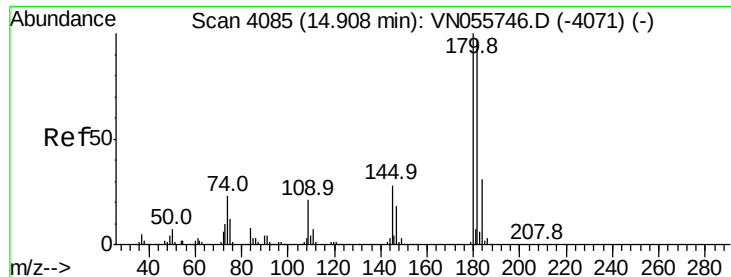
MMDadoda
 5/24/2019 9:23:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.832 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	106.0	50.0	150.1	
157	142.3	64.8	194.3	





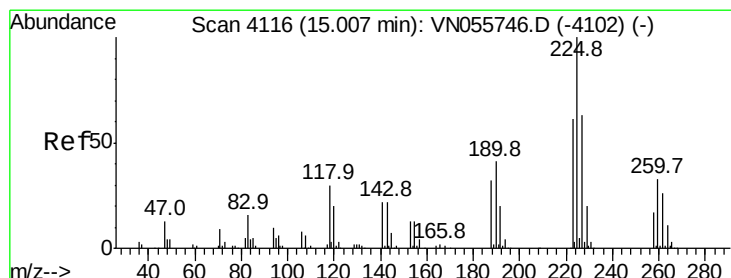
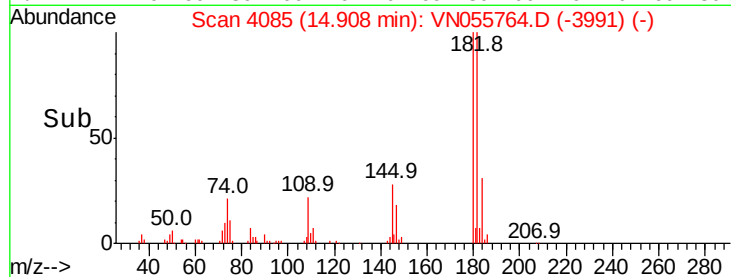
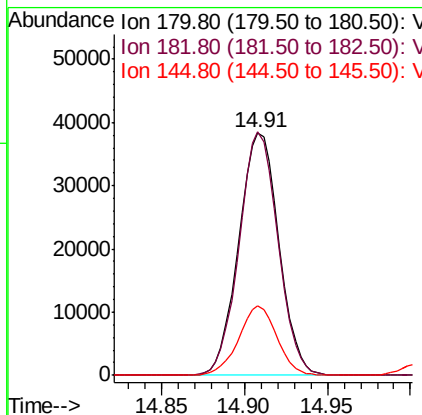
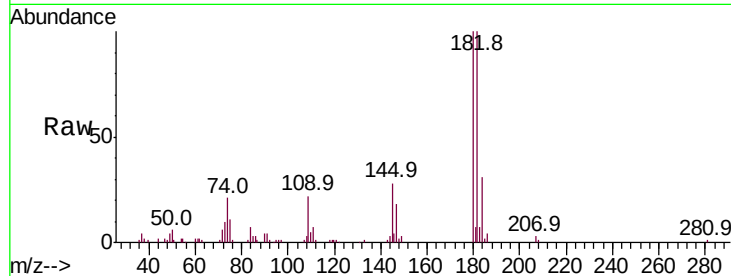
#93
 1,2,4-Trichlorobenzene
 Concen: 18.753 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64318		
182	97.4	48.3	144.9	
145	27.2	14.0	41.9	

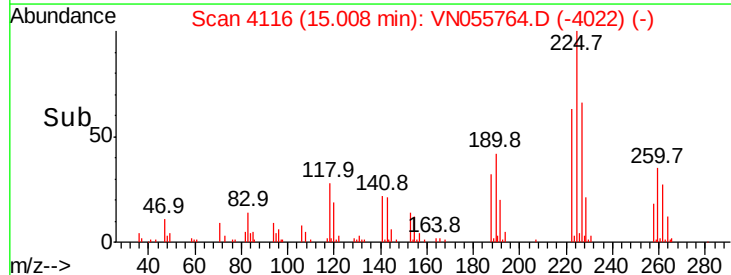
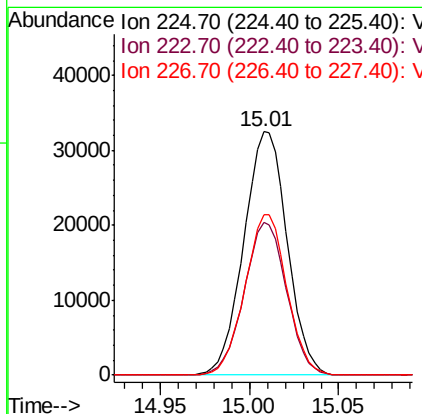
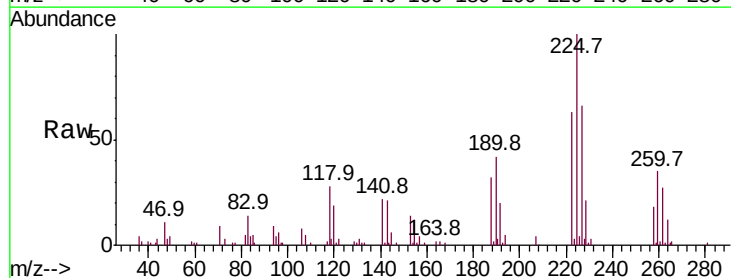
Manual Integrations
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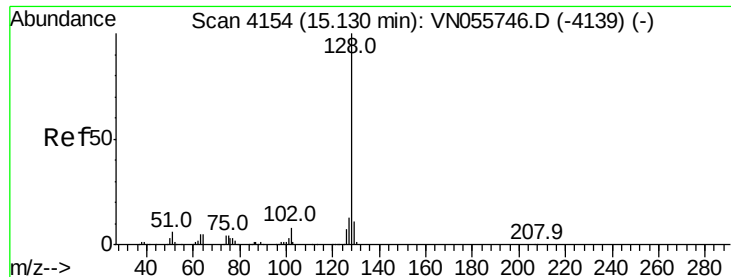
MMDadoda
 5/24/2019 9:23:48 AM



#94
 Hexachlorobutadiene
 Concen: 21.788 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055764.D
 Acq: 23 May 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55069		
223	61.3	30.9	92.7	
227	63.8	31.6	94.7	





#95

Naphthalene

Concen: 18.698 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Instrument :

MSVOA_N

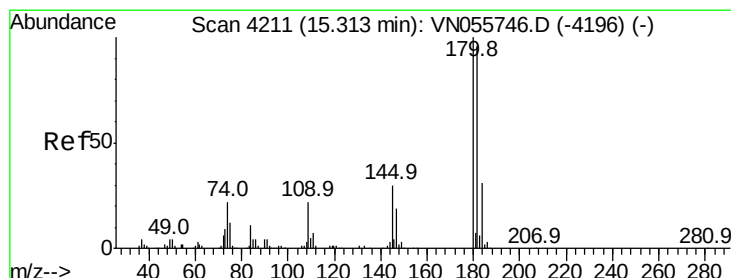
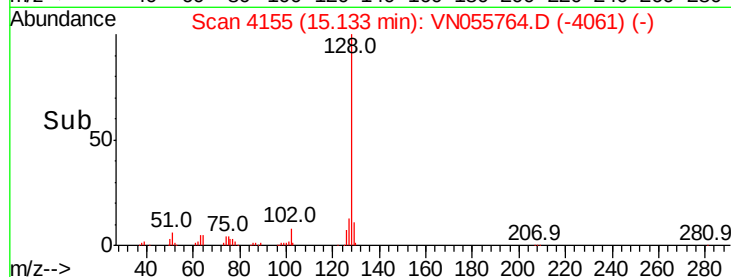
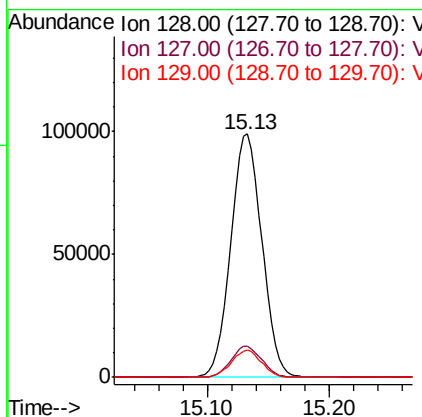
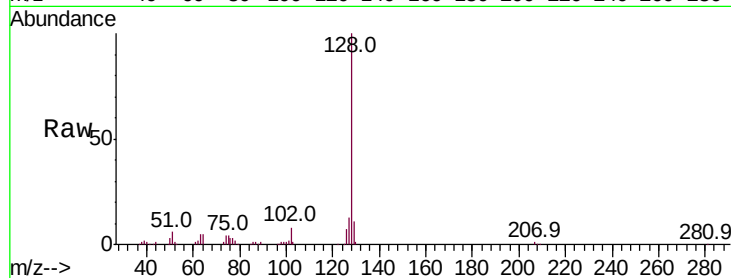
ClientSampleId :

VN0523WBSD01

Tot Ion:	128	Resp:	175942
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.334 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055764.D

Acq: 23 May 2019 19:42

Tgt Ion:	180	Resp:	70084
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.9	143.7
145	29.5	14.9	44.7

