

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055800.D
 Acq On : 24 May 2019 16:58
 Operator : JC/SP
 Sample : VN0524WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:59 AM

Quant Time: May 25 05:02:58 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	359211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	519346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184744	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	166230	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.09	98	626328	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	206726	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42806	17.707	ug/l	100
3) Chloromethane	2.06	50	61771	18.237	ug/l	99
4) Vinyl Chloride	2.18	62	67657	18.727	ug/l	100
5) Bromomethane	2.55	94	48124	21.292	ug/l	97
6) Chloroethane	2.69	64	42042	19.329	ug/l	99
7) Trichlorofluoromethane	3.01	101	91498	19.318	ug/l	98
8) Diethyl Ether	3.41	74	41381	19.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56095	18.973	ug/l	100
10) Methyl Iodide	3.94	142	81290	18.806	ug/l	99
11) Tert butyl alcohol	4.81	59	68071	96.038	ug/l	97
12) 1,1-Dichloroethene	3.72	96	57344	18.771	ug/l	97
13) Acrolein	3.60	56	40432	79.665	ug/l	97
14) Allyl chloride	4.31	41	96150	18.359	ug/l	99
15) Acrylonitrile	4.99	53	159148	97.783	ug/l	99
16) Acetone	3.82	43	132903	81.502	ug/l	98
17) Carbon Disulfide	4.04	76	153440	17.678	ug/l	100
18) Methyl Acetate	4.33	43	70753	20.599	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	197688	19.402	ug/l	100
20) Methylene Chloride	4.54	84	67422	19.092	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	63381	19.311	ug/l	95
22) Diisopropyl ether	5.95	45	193897	19.035	ug/l	97
23) Vinyl Acetate	5.90	43	826797	94.671	ug/l	99
24) 1,1-Dichloroethane	5.84	63	112926	19.041	ug/l	99
25) 2-Butanone	6.84	43	211327	92.794	ug/l	98
26) 2,2-Dichloropropane	6.82	77	83557	16.279	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	74746	19.521	ug/l	98
28) Bromochloromethane	7.19	49	56103	19.869	ug/l	96
29) Tetrahydrofuran	7.22	42	143352	99.398	ug/l	99
30) Chloroform	7.37	83	116446	19.688	ug/l	98
31) Cyclohexane	7.65	56	104591	18.784	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	101767	19.282	ug/l	99
36) 1,1-Dichloropropene	7.79	75	84111	18.585	ug/l	99
37) Ethyl Acetate	6.94	43	86999	19.889	ug/l	99
38) Carbon Tetrachloride	7.77	117	89212	18.924	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102110	18.219	ug/l	98
40) Benzene	8.04	78	266936	19.570	ug/l	99
41) Methacrylonitrile	7.18	41	38823	17.568	ug/l	93
42) 1,2-Dichloroethane	8.12	62	86237	19.348	ug/l	100
43) Isopropyl Acetate	8.17	43	137427	18.699	ug/l #	90
44) Trichloroethene	8.83	130	77272	20.321	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68208	19.193	ug/l	99
46) Dibromomethane	9.21	93	46440	19.926	ug/l	98
47) Bromodichloromethane	9.40	83	89813	18.793	ug/l	99
48) Methyl methacrylate	9.20	41	65728	19.405	ug/l	97
49) 1,4-Dioxane	9.20	88	30245	429.682	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	422120	97.248	ug/l	99
52) Toluene	10.16	92	169787	19.792	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92653	18.163	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	105302	18.633	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	69079	20.100	ug/l	100
56) Ethyl methacrylate	10.43	69	102186	19.239	ug/l	100
57) 1,3-Dichloropropane	10.71	76	110436	19.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	191951	94.567	ug/l	99
59) 2-Hexanone	10.75	43	293770	95.402	ug/l	100
60) Dibromochloromethane	10.90	129	75292	18.806	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70249	19.707	ug/l	97
64) Tetrachloroethene	10.63	164	78486	20.582	ug/l	98
65) Chlorobenzene	11.43	112	181049	20.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	70698	19.585	ug/l	100
67) Ethyl Benzene	11.51	91	318708	19.636	ug/l	99
68) m/p-Xylenes	11.62	106	243988	39.763	ug/l	99
69) o-Xylene	11.95	106	122082	20.053	ug/l	99
70) Styrene	11.96	104	194021	19.680	ug/l	100
71) Bromoform	12.13	173	57592	18.704	ug/l #	99
73) Isopropylbenzene	12.25	105	315569	21.340	ug/l	100
74) N-amyl acetate	12.07	43	113381	20.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95853	21.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78112m	21.596	ug/l	
77) Bromobenzene	12.53	156	82925	20.033	ug/l	97
78) n-propylbenzene	12.59	91	321174	19.049	ug/l	98
79) 2-Chlorotoluene	12.67	91	201350	20.676	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	256790	20.603	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25823	17.911	ug/l	99
82) 4-Chlorotoluene	12.77	91	191150	19.287	ug/l	100
83) tert-Butylbenzene	12.99	119	230313	21.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254618	20.580	ug/l	100
85) sec-Butylbenzene	13.17	105	284432	20.382	ug/l	100
86) p-Isopropyltoluene	13.29	119	257592	19.121	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	128886	19.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	121353	19.473	ug/l	99
89) n-Butylbenzene	13.61	91	182656	17.696	ug/l	99
90) Hexachloroethane	13.87	117	46973	18.319	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	131477	20.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16512	19.211	ug/l	97

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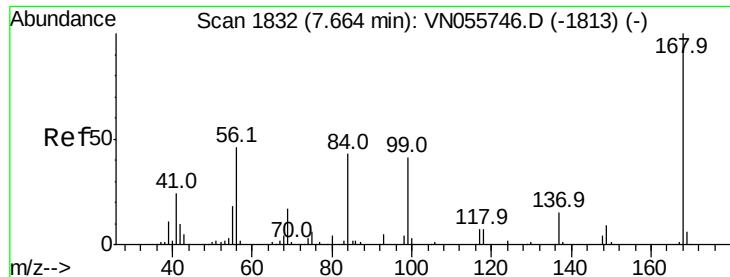
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56584	17.582	ug/l	99
94) Hexachlorobutadiene	15.01	225	47918	19.715	ug/l	98
95) Naphthalene	15.13	128	159058	17.725	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62573	18.101	ug/l	99

(#) = 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: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion:168 Resp: 359211

Ion Ratio Lower Upper

168 100

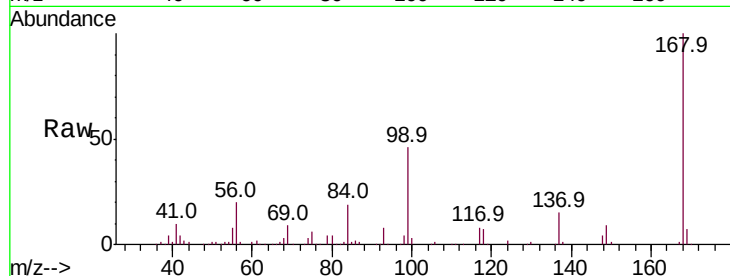
99 45.2 37.2 55.8

Manual Integrations

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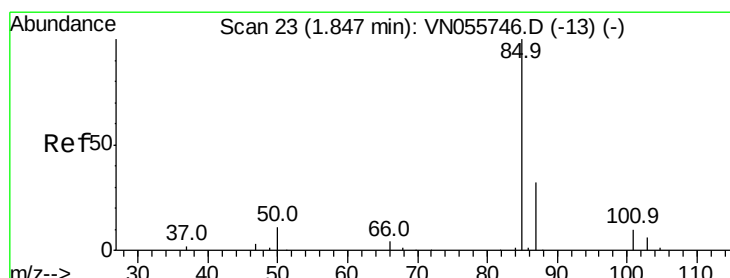
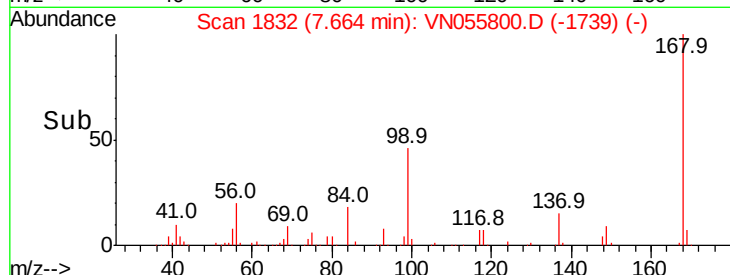
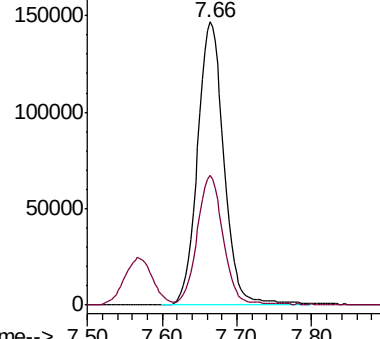
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.707 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055800.D

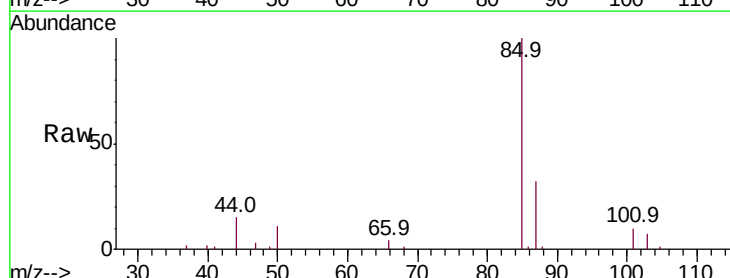
Acq: 24 May 2019 16:58

Tgt Ion: 85 Resp: 42806

Ion Ratio Lower Upper

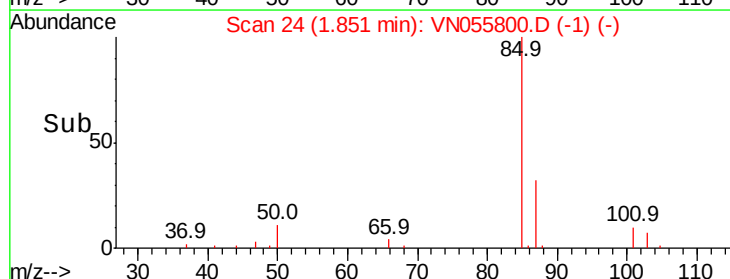
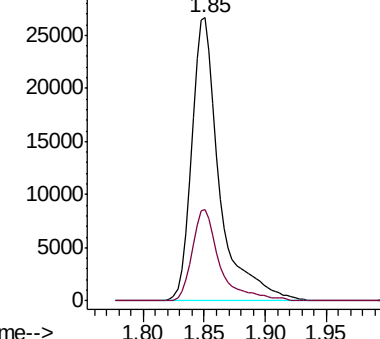
85 100

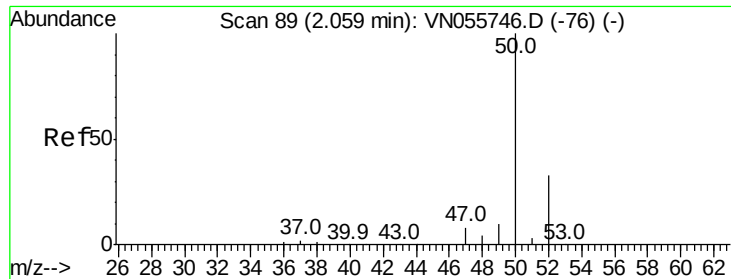
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





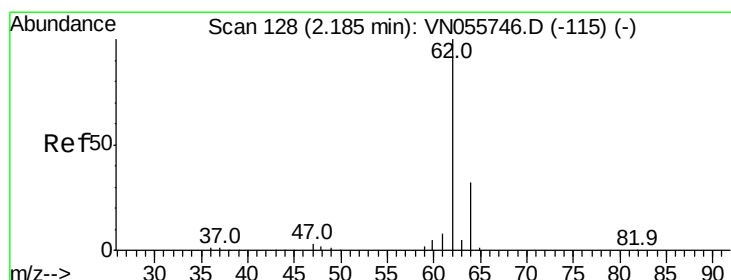
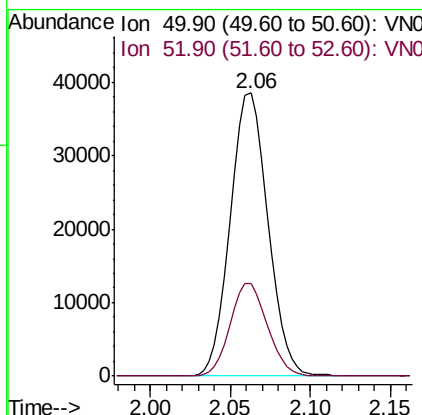
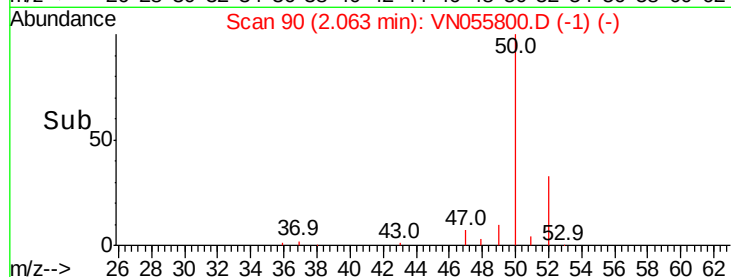
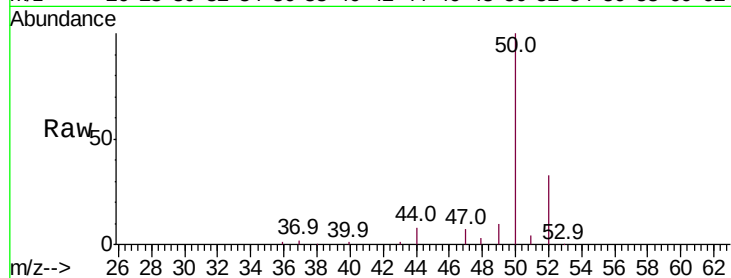
#3
Chloromethane
Concen: 18.237 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

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Tot Ion: 50 Resp: 61771
Ion Ratio Lower Upper
50 100
52 32.7 26.6 40.0

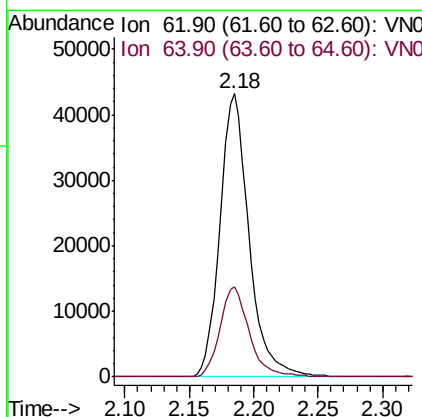
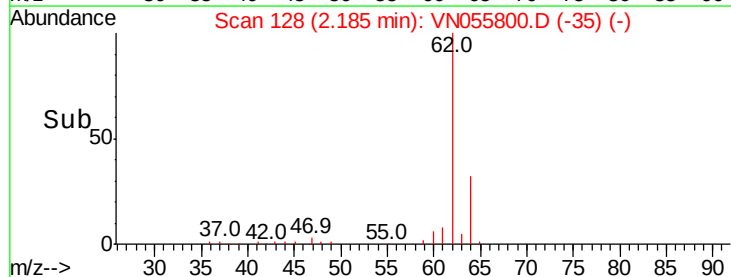
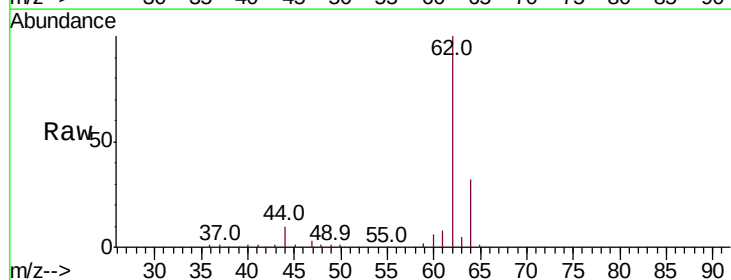
Manual Integrations
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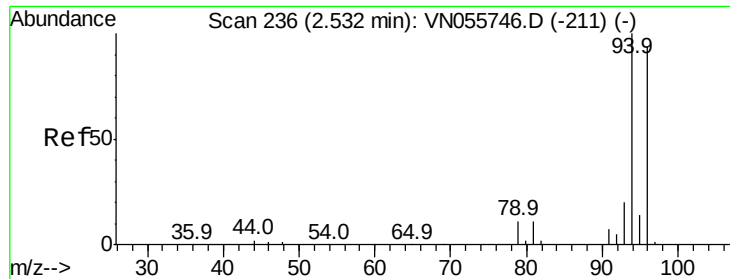
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#4
Vinyl Chloride
Concen: 18.727 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion: 62 Resp: 67657
Ion Ratio Lower Upper
62 100
64 31.8 25.6 38.4





#5

Bromomethane

Concen: 21.292 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 94 Resp: 48124

Ion Ratio Lower Upper

94 100

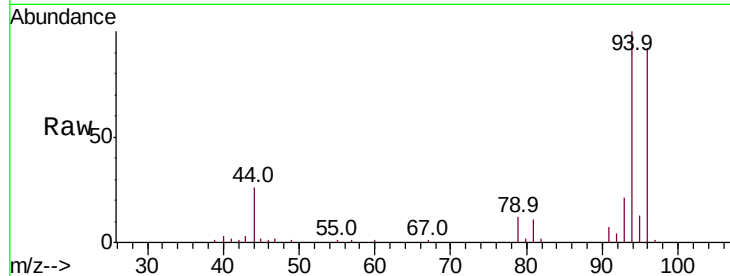
96 91.6 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN055800.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VN055800.D (-143) (-)

25000

20000

15000

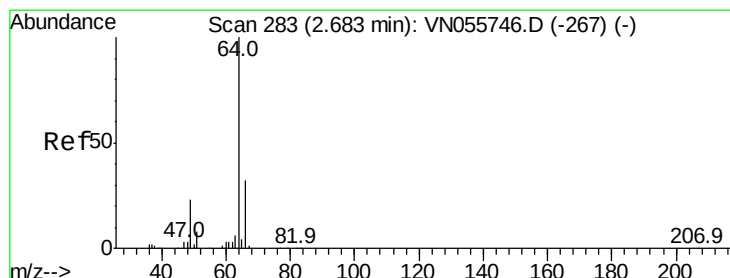
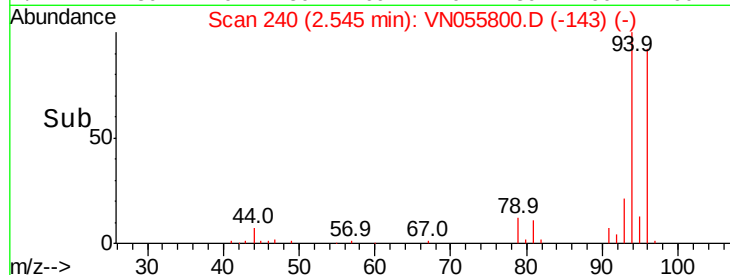
10000

5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 19.329 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055800.D

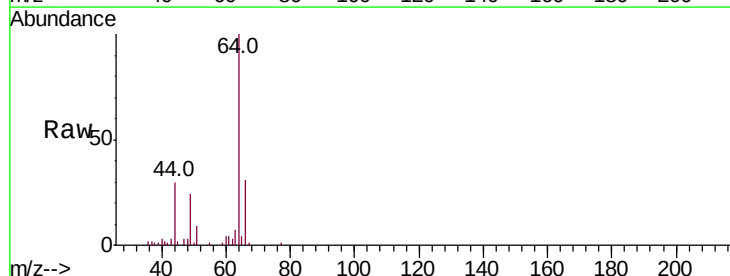
Acq: 24 May 2019 16:58

Tgt Ion: 64 Resp: 42042

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055800.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN055800.D (-190) (-)

20000

15000

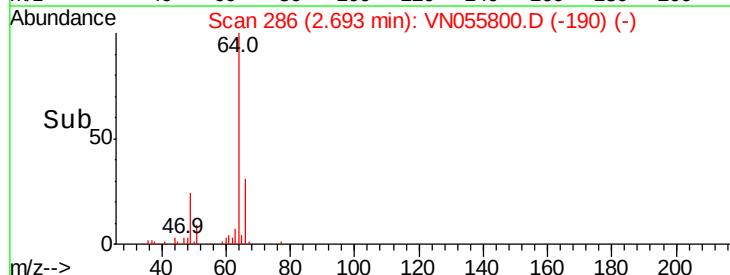
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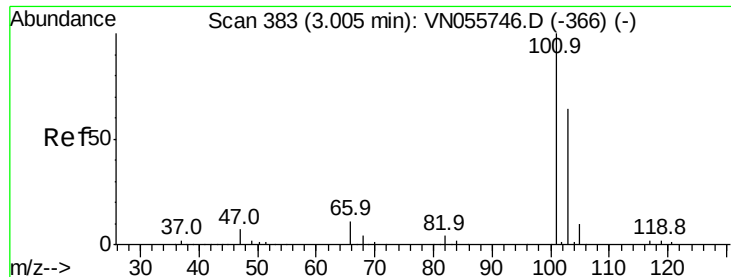
5000

0

Time-->

2.60 2.69 2.80





#7

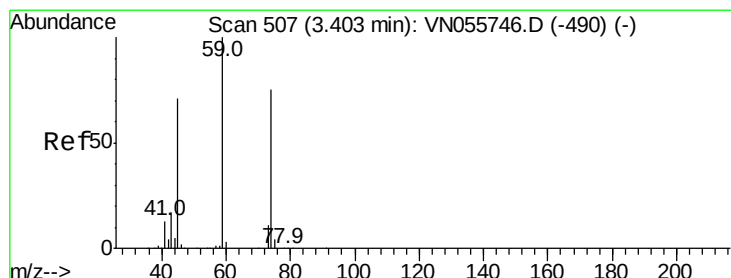
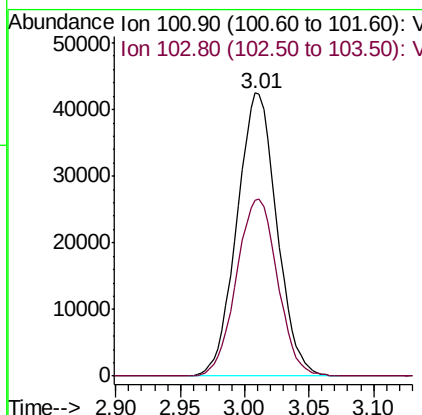
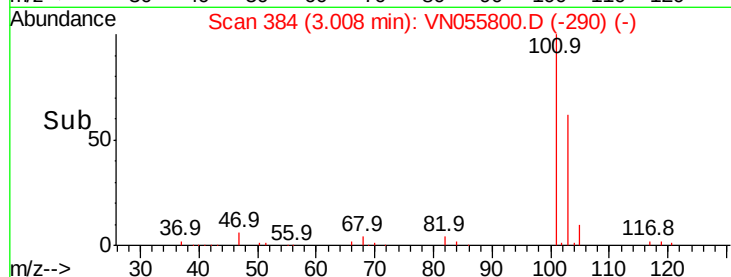
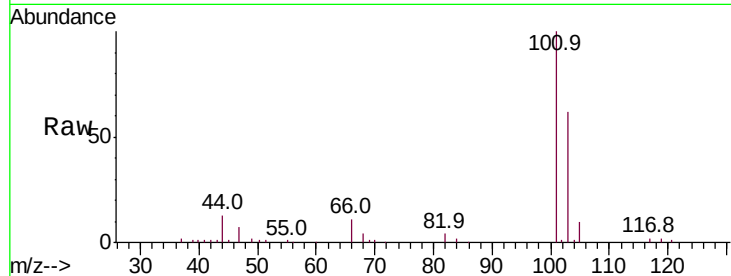
Trichlorofluoromethane
Concen: 19.318 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
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ClientSampleId :
VN0524WBS02

Tot Ion:101 Resp: 91498
Ion Ratio Lower Upper
101 100
103 62.3 51.2 76.8

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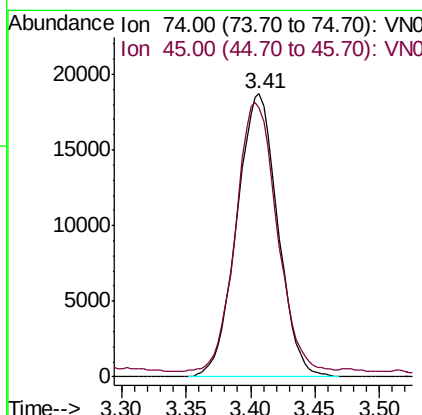
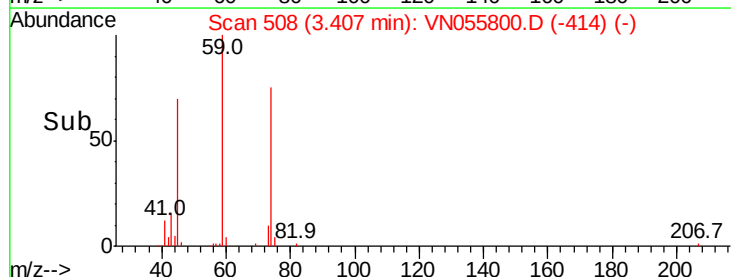
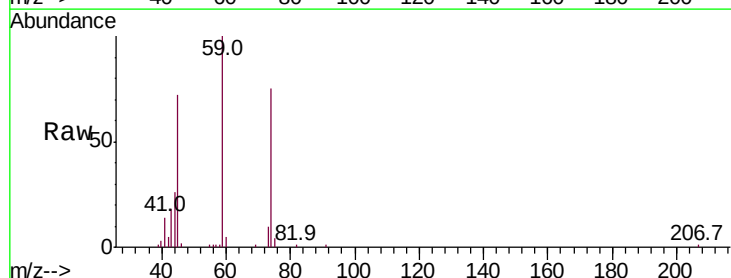
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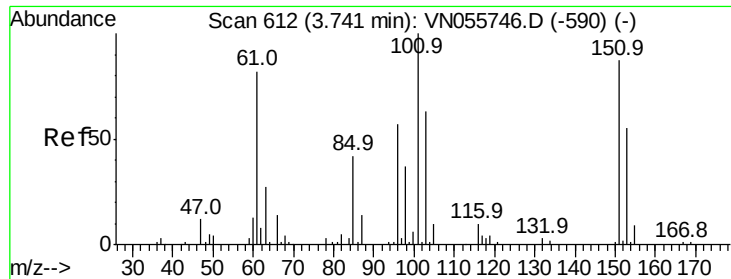


#8

Diethyl Ether
Concen: 19.493 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion: 74 Resp: 41381
Ion Ratio Lower Upper
74 100
45 95.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.973 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

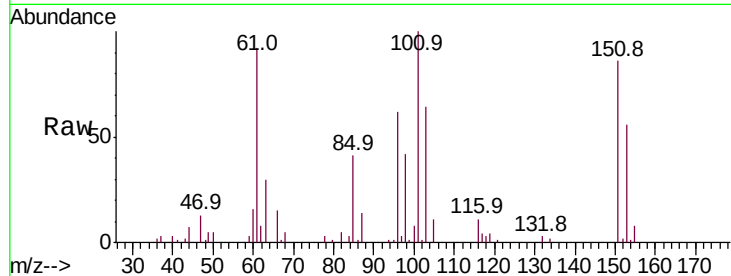
ClientSampleId :

VN0524WBS02

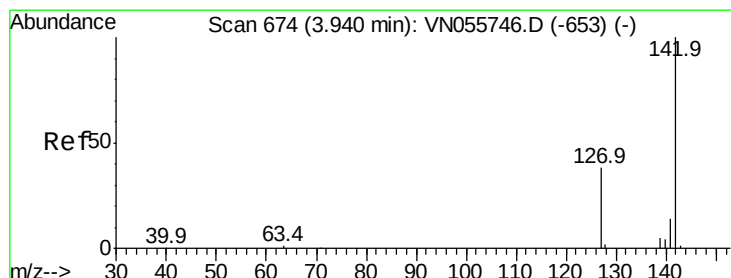
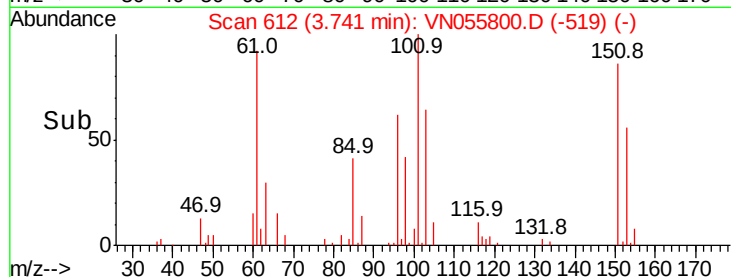
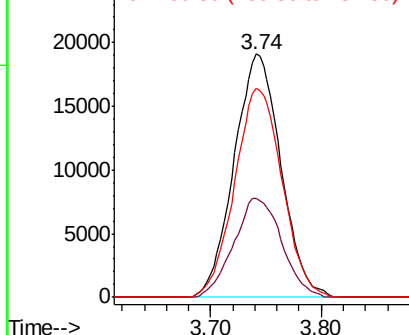
Tot Ion:	101	Resp:	56095
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	87.3	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.806 ug/l

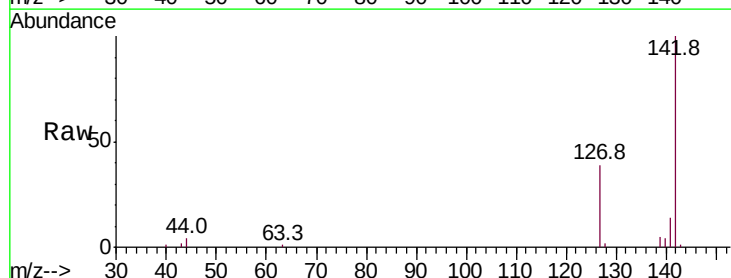
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

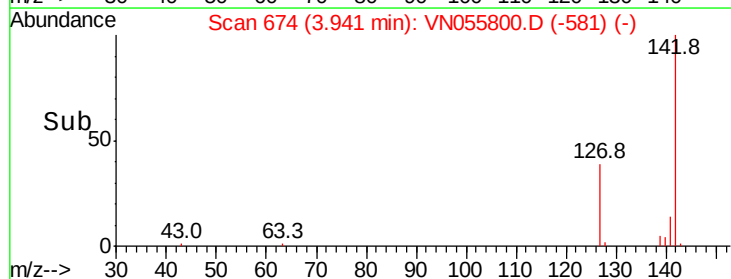
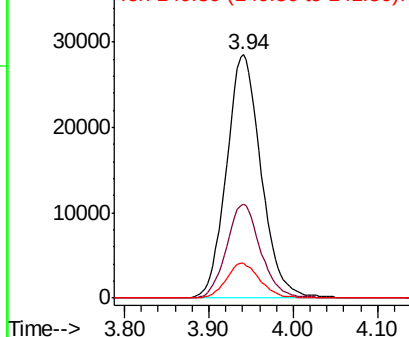
Lab File: VN055800.D

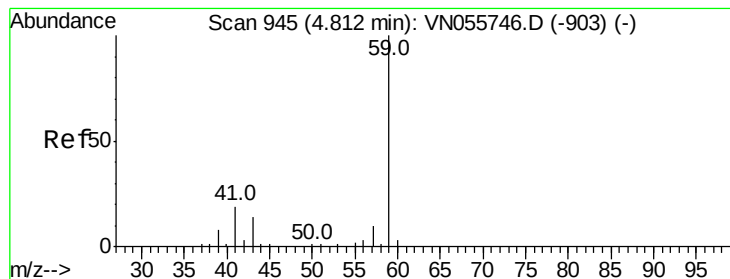
Acq: 24 May 2019 16:58

Tgt Ion:	142	Resp:	81290
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

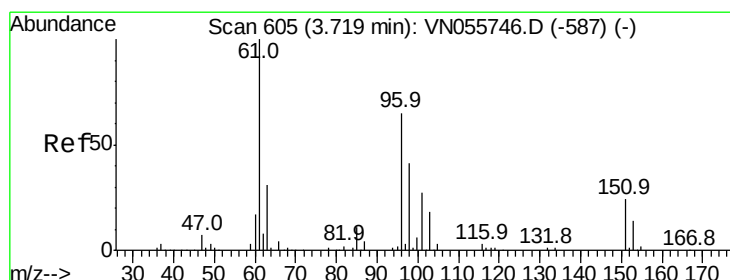
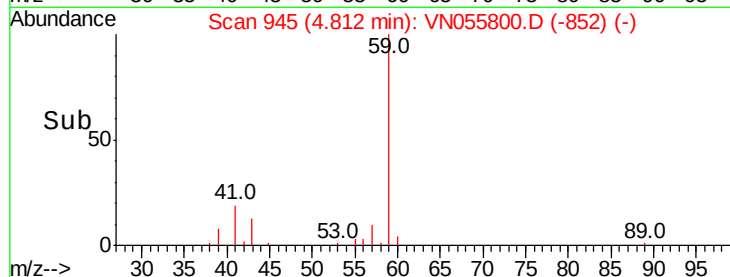
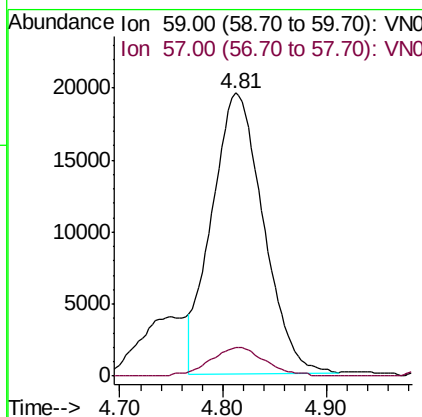
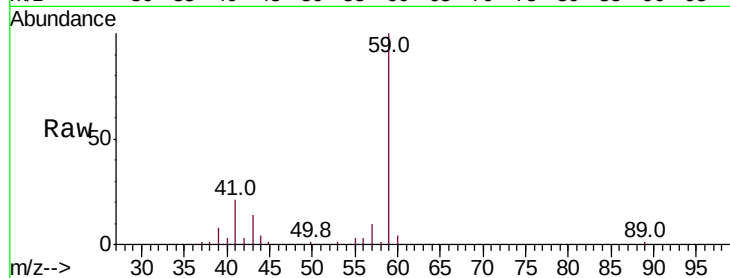
Tert butyl alcohol
 Concen: 96.038 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	59	57	Ratio	100	10.7	Resp	68071	Lower	Upper
Ion	59	57	Ratio	100	10.7	Resp	68071	Lower	Upper
								7.8	11.6

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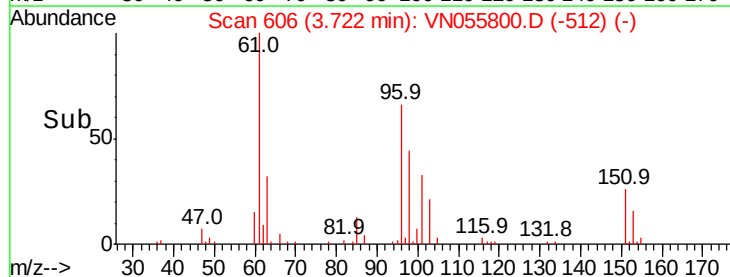
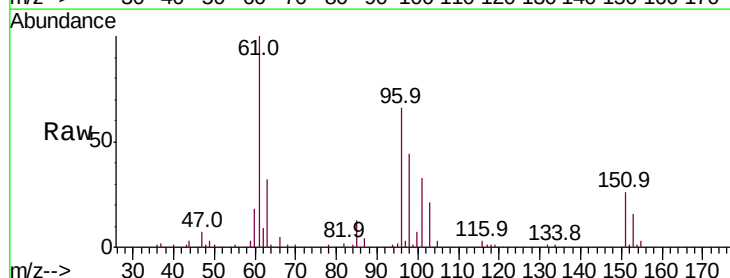
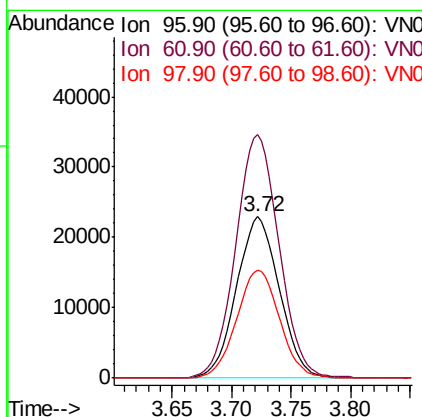
MMDadoda
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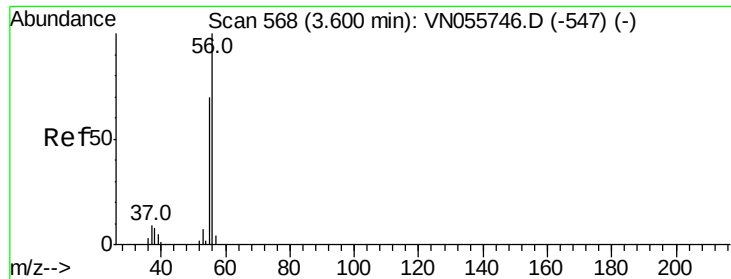


#12

1,1-Dichloroethene
 Concen: 18.771 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	96	61	98	Ratio	100	151.1	66.8	Resp	57344	Lower	Upper
Ion	96	61	98	Ratio	100	151.1	66.8	Resp	57344	Lower	Upper
										123.2	184.8
										50.4	75.6





#13

Acrolein

Concen: 79.665 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 56 Resp: 40432

Ion Ratio Lower Upper

56 100

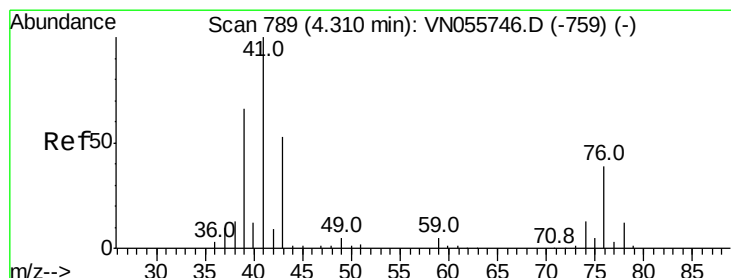
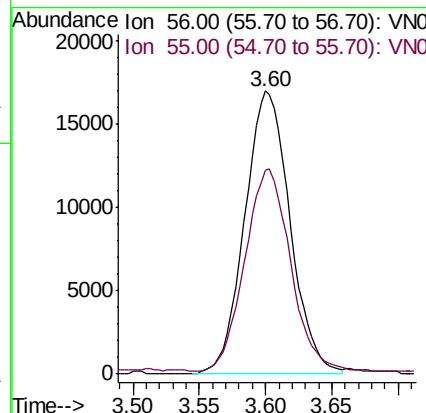
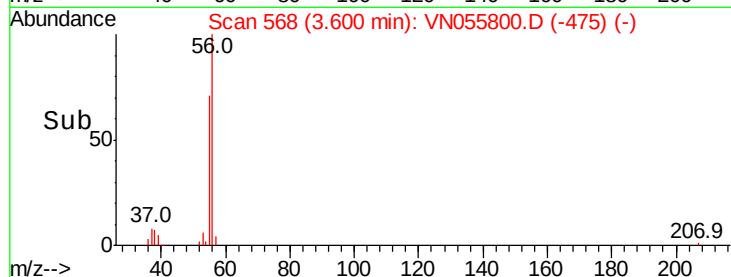
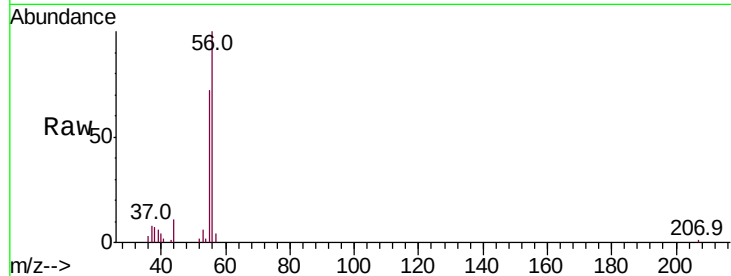
55 72.0 55.4 83.2

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#14

Allyl chloride

Concen: 18.359 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

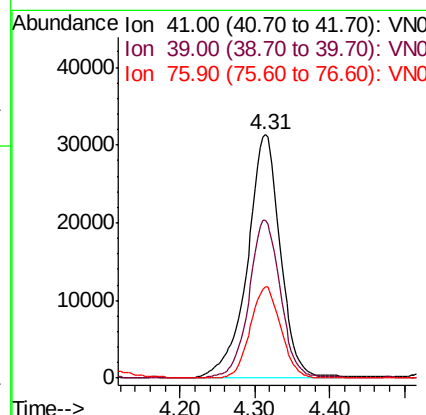
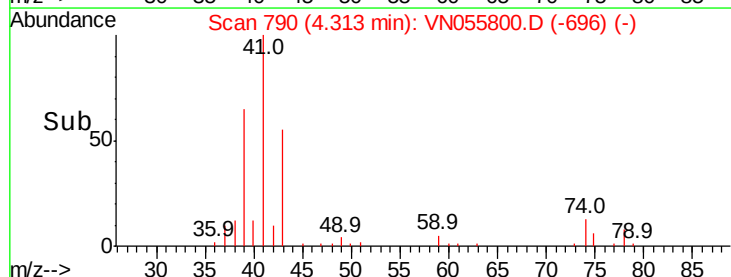
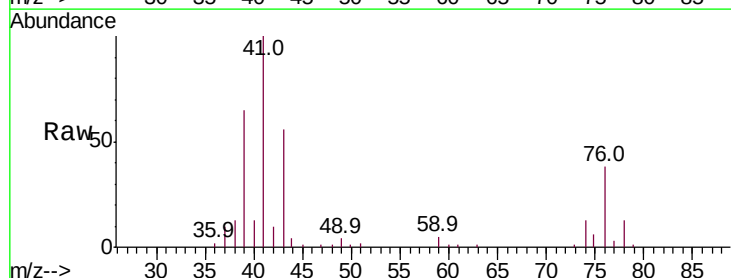
Tgt Ion: 41 Resp: 96150

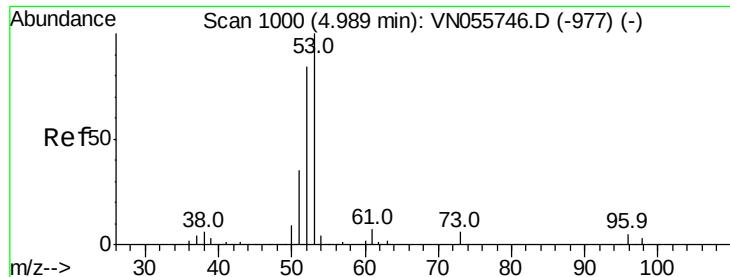
Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

76 34.6 28.2 42.2





#15

Acrylonitrile

Concen: 97.783 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

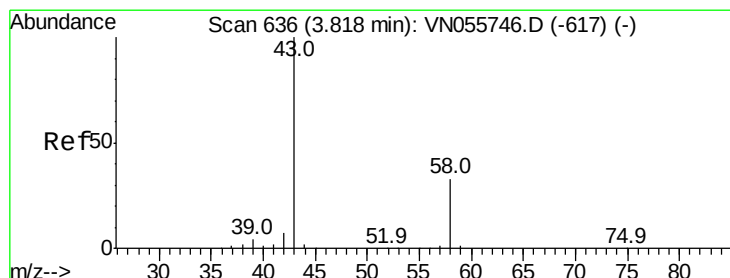
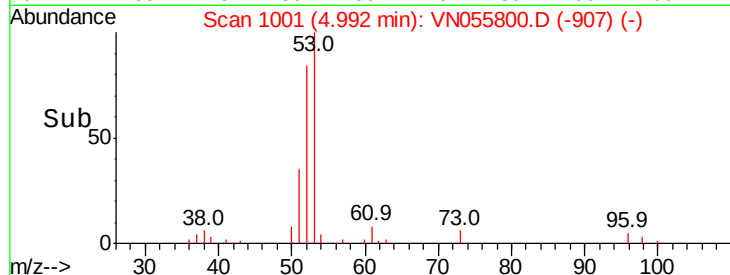
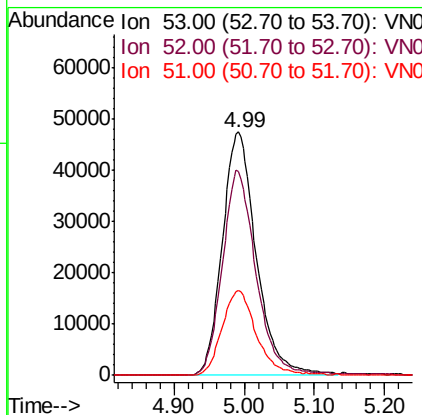
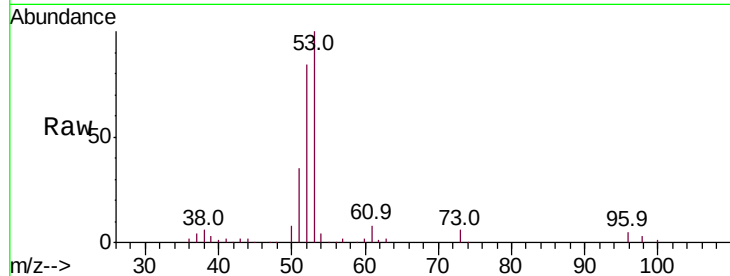
ClientSampleId :

VN0524WBS02

Tot Ion:	53	Resp:	159148
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.8	98.8
51	35.5	28.2	42.4

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#16

Acetone

Concen: 81.502 ug/l

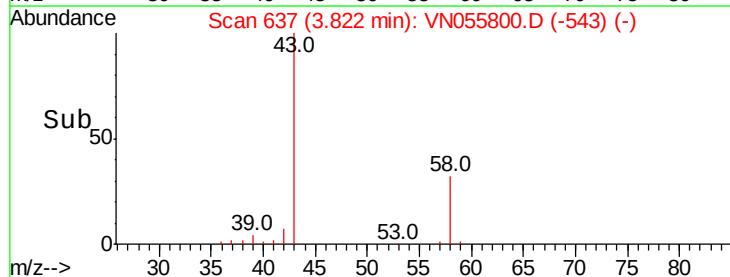
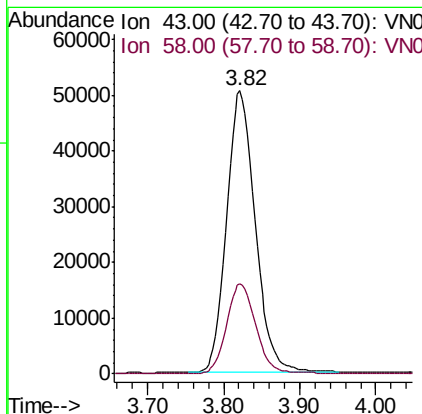
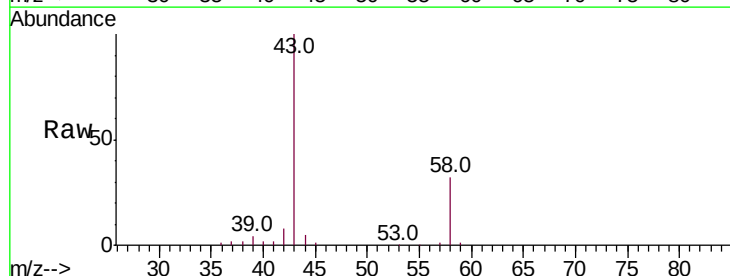
RT: 3.82 min Scan# 637

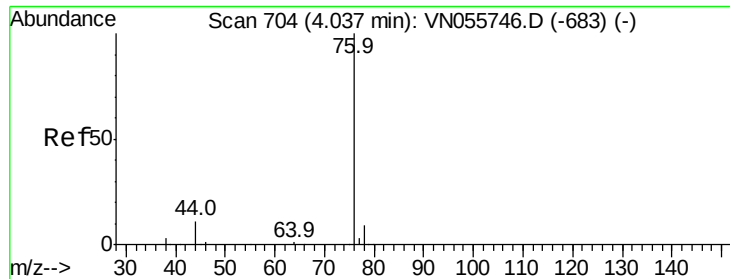
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	43	Resp:	132903
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.6	39.8





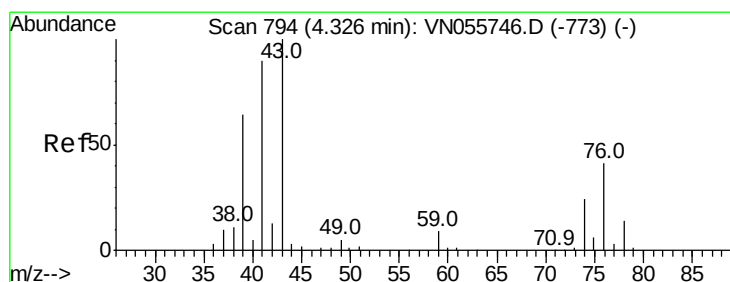
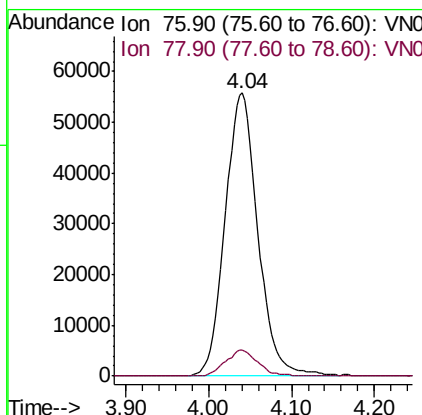
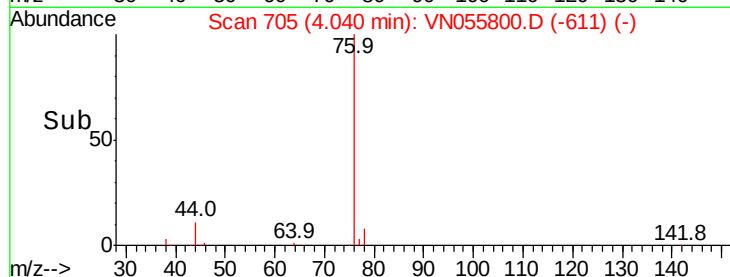
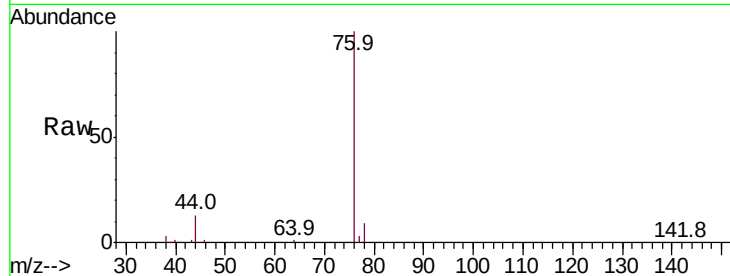
#17
Carbon Disulfide
Concen: 17.678 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion: 76 Resp: 153440
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

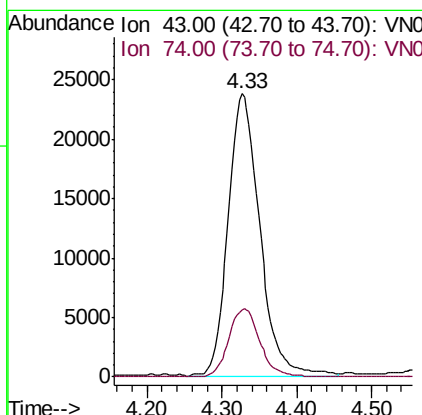
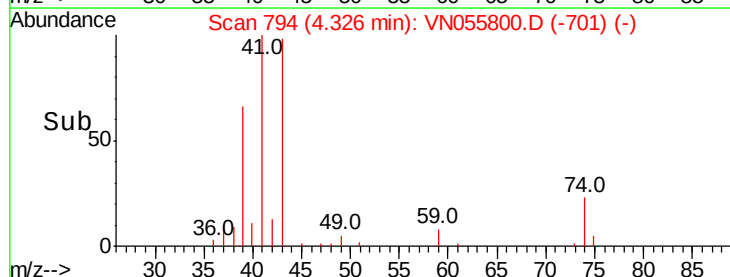
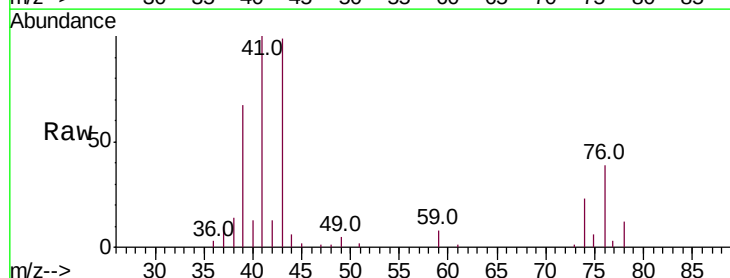
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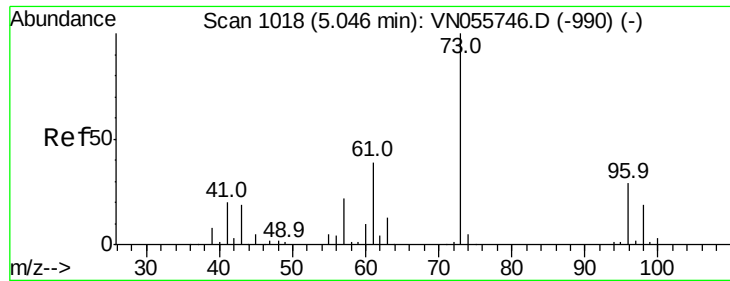
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#18
Methyl Acetate
Concen: 20.599 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion: 43 Resp: 70753
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9





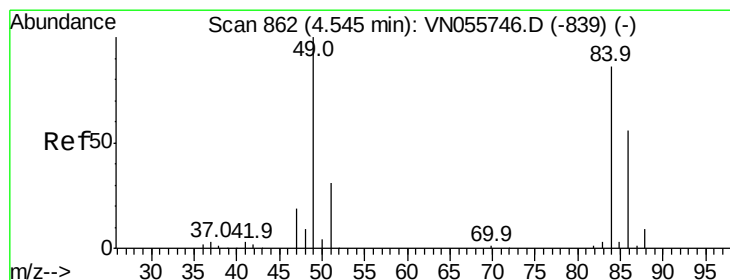
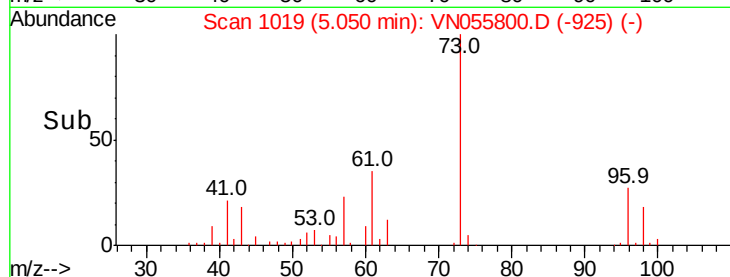
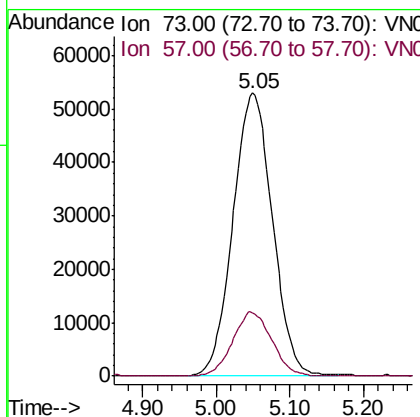
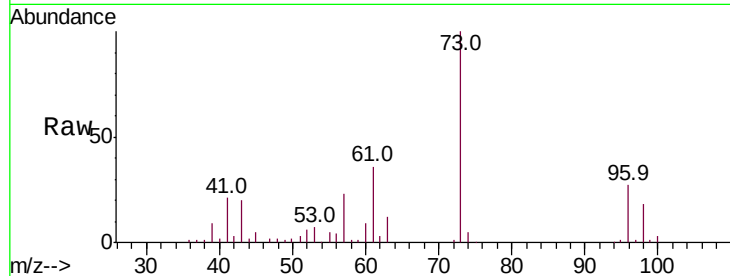
#19
Methyl tert-butyl Ether
Concen: 19.402 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion: 73 Resp: 197688
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8

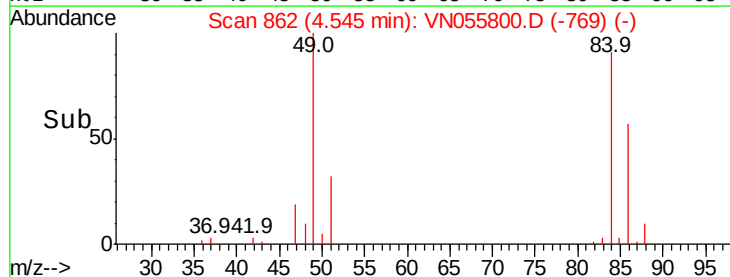
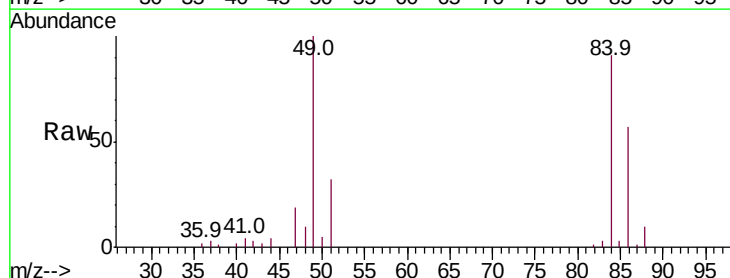
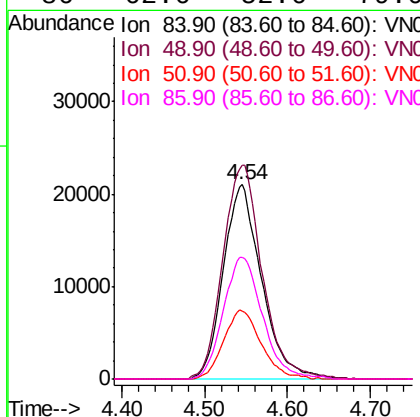
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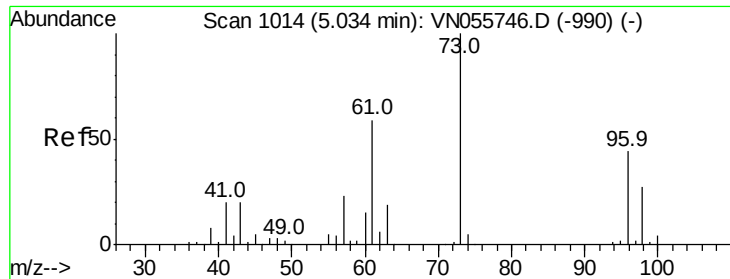
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#20
Methylene Chloride
Concen: 19.092 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion: 84 Resp: 67422
Ion Ratio Lower Upper
84 100
49 109.8 93.5 140.3
51 35.2 28.6 43.0
86 62.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.311 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 96 Resp: 63381

Ion Ratio Lower Upper

96 100

61 126.8 107.8 161.8

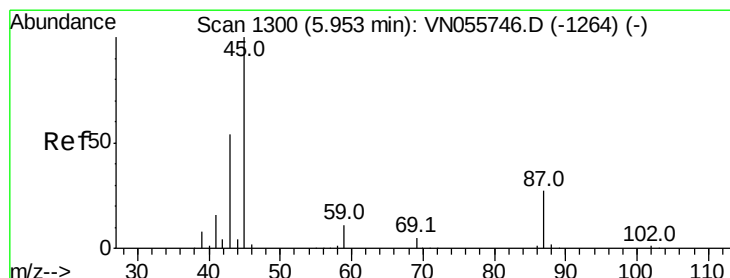
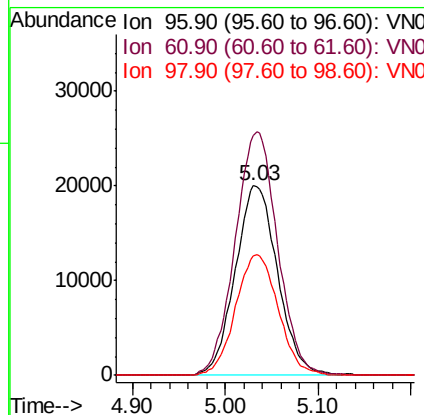
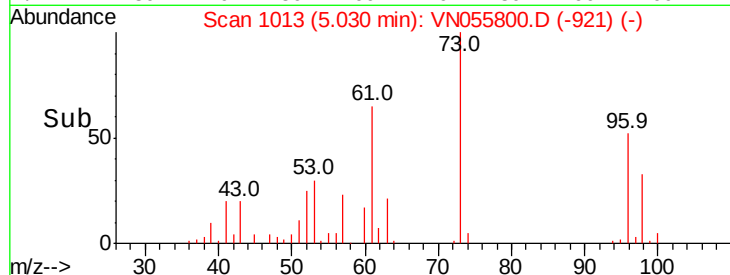
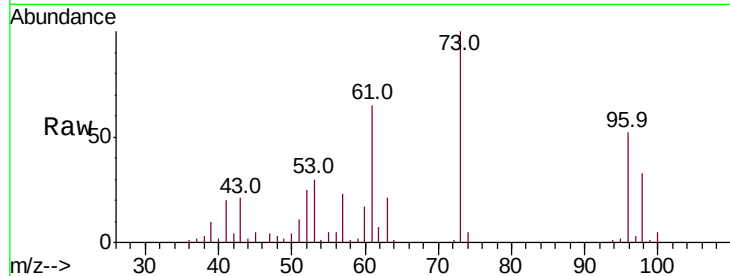
98 63.3 49.8 74.8

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#22

Diisopropyl ether

Concen: 19.035 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion: 45 Resp: 193897

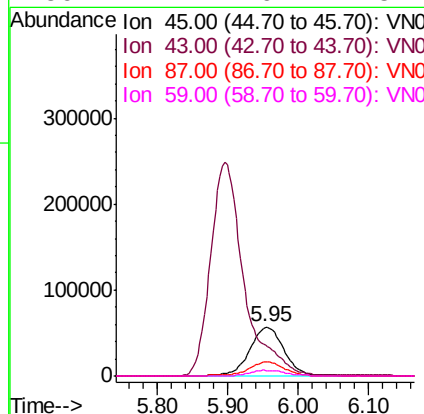
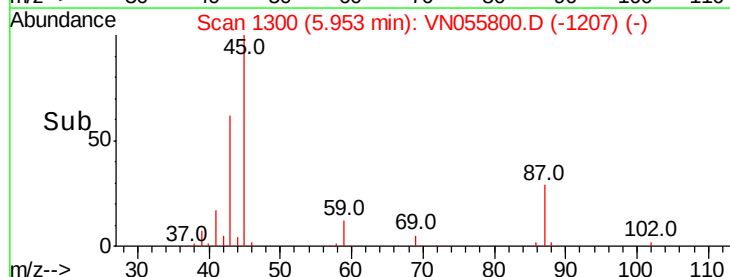
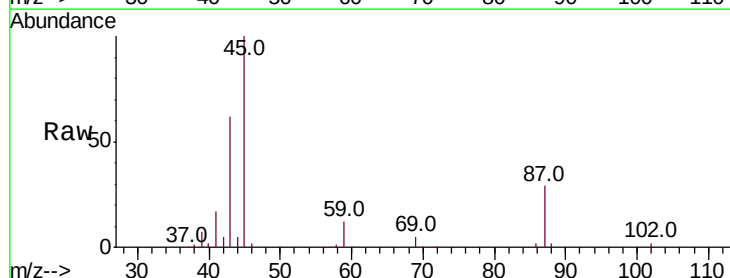
Ion Ratio Lower Upper

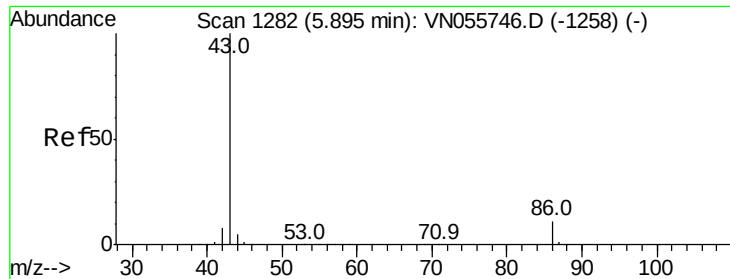
45 100

43 60.0 45.0 67.6

87 28.2 22.2 33.4

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 94.671 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 43 Resp: 826797

Ion Ratio Lower Upper

43 100

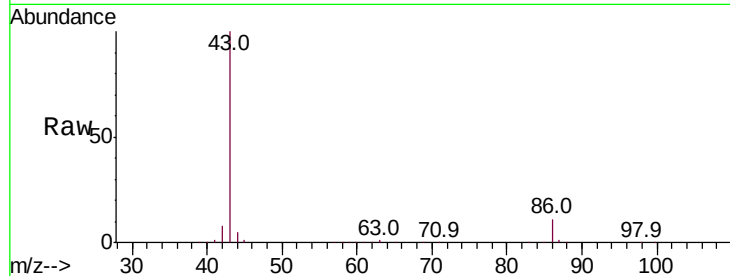
86 11.1 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.90

250000

200000

150000

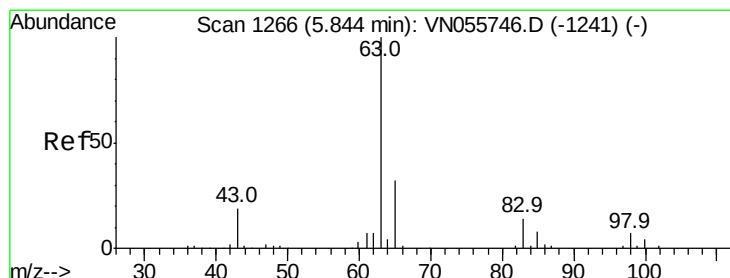
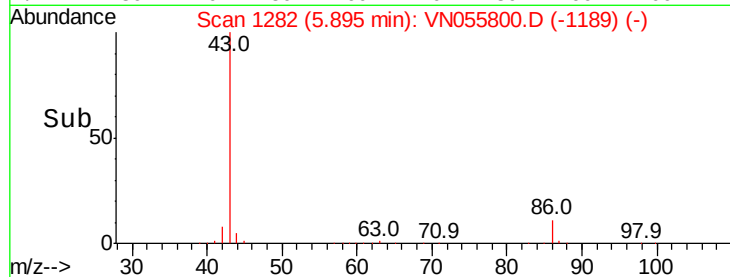
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.041 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

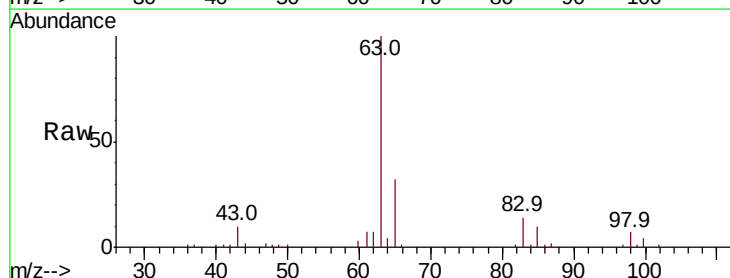
Tgt Ion: 63 Resp: 112926

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 3.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

5.84

40000

30000

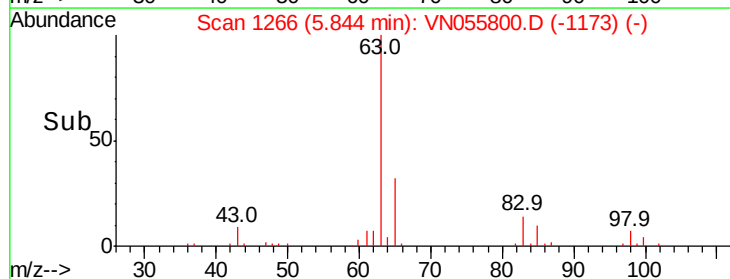
20000

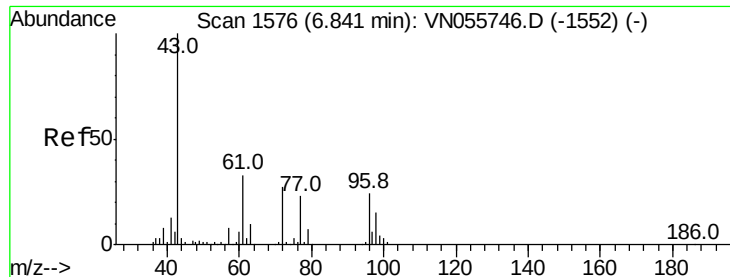
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 92.794 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 43 Resp: 211327

Ion Ratio Lower Upper

43 100

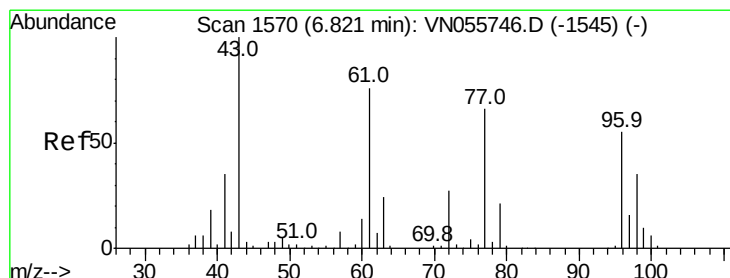
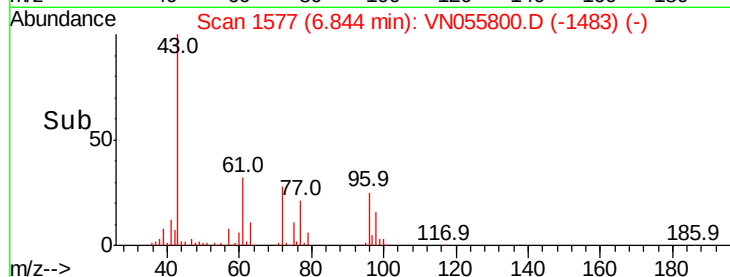
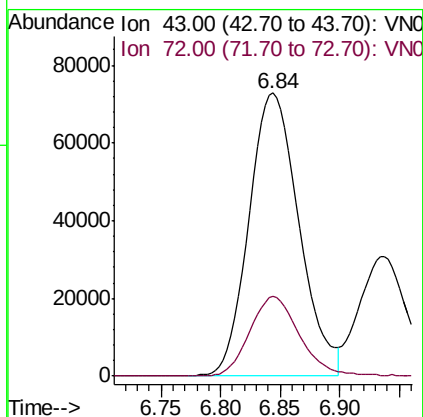
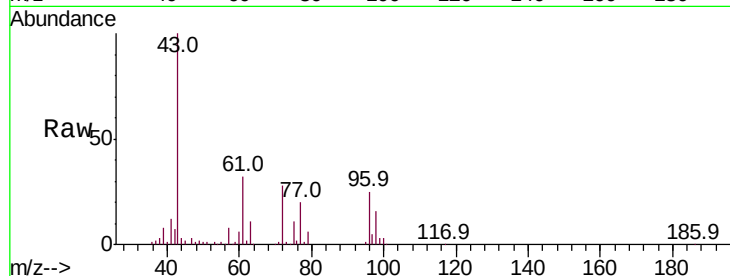
72 28.5 21.9 32.9

Manual Integrations

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5/28/2019 10:35:59 AM



#26

2,2-Dichloropropane

Concen: 16.279 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055800.D

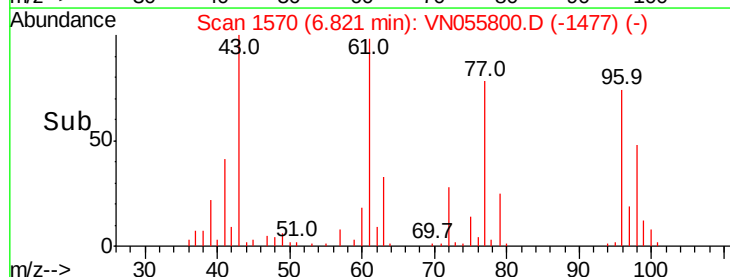
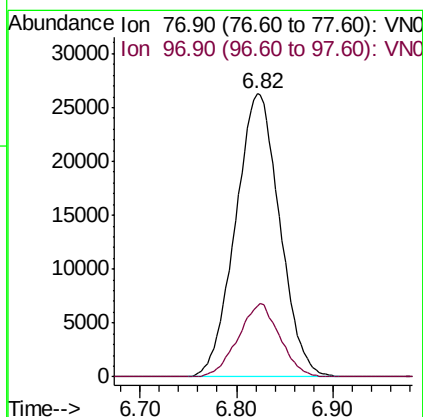
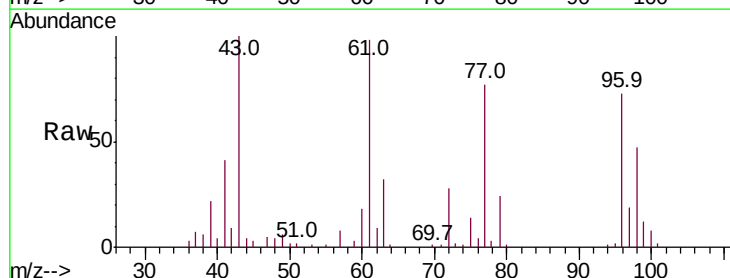
Acq: 24 May 2019 16:58

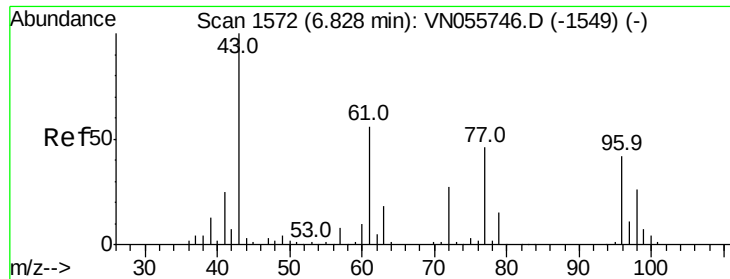
Tgt Ion: 77 Resp: 83557

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.521 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 96 Resp: 74746

Ion Ratio Lower Upper

96 100

61 134.4 0.0 275.8

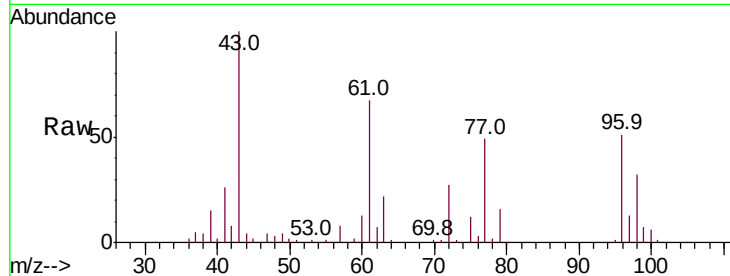
98 65.5 0.0 128.4

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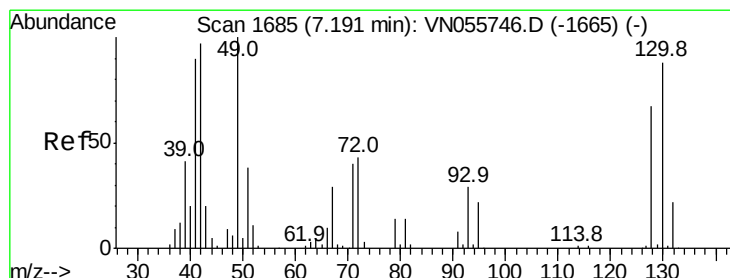
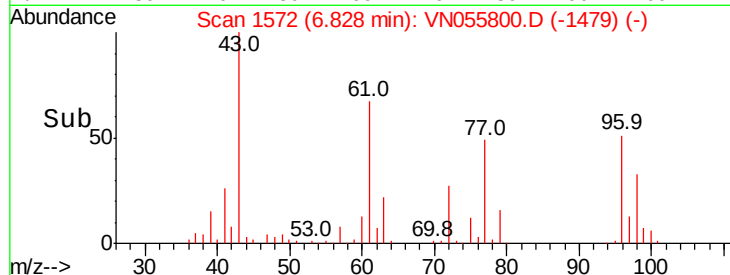
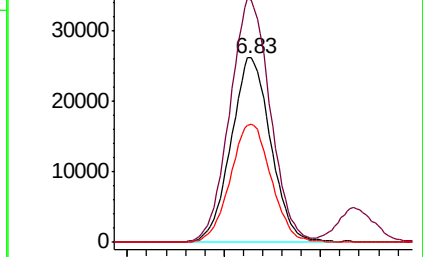
5/28/2019 10:35:59 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)



#28

Bromochloromethane

Concen: 19.869 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

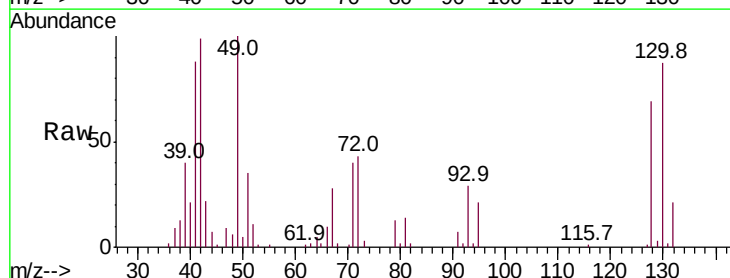
Tgt Ion: 49 Resp: 56103

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

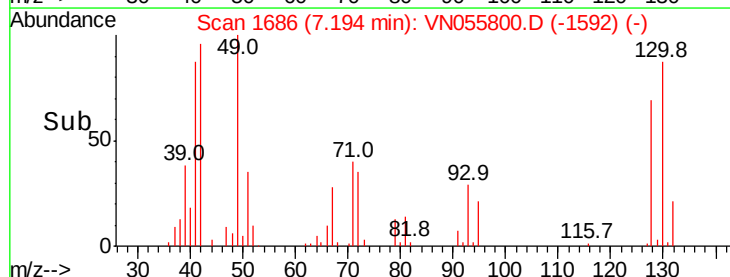
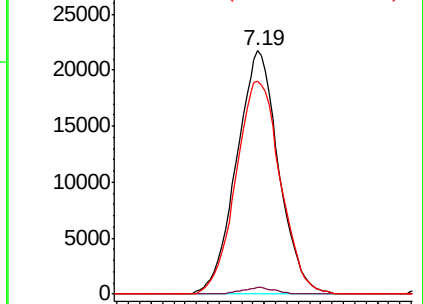
130 92.4 71.2 106.8

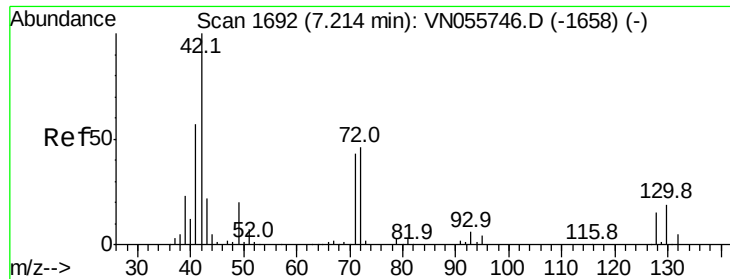


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)





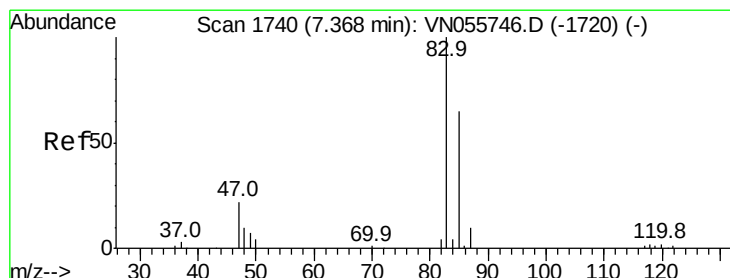
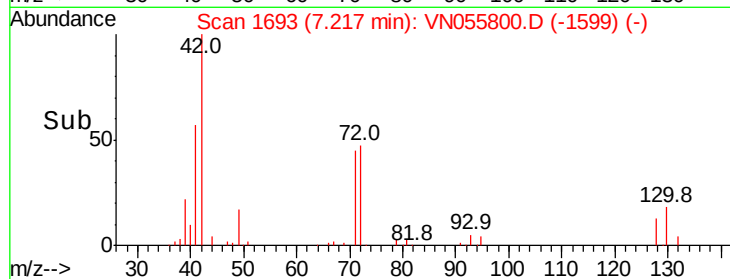
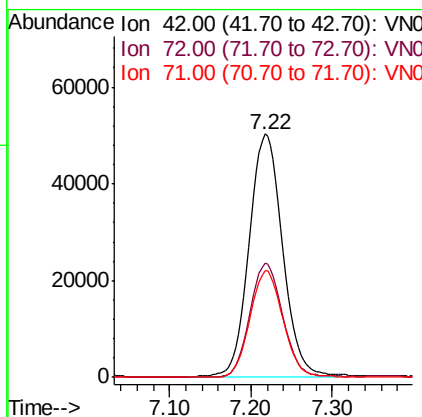
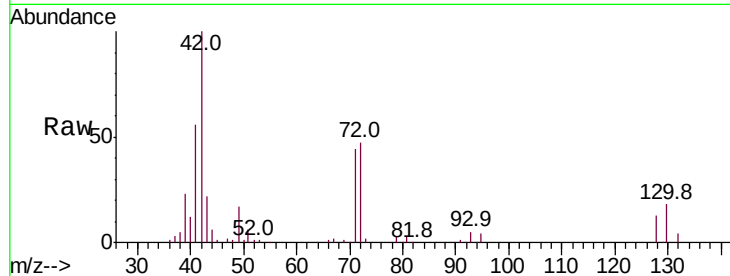
#29
Tetrahydrofuran
Concen: 99.398 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	42.9	34.0	51.0

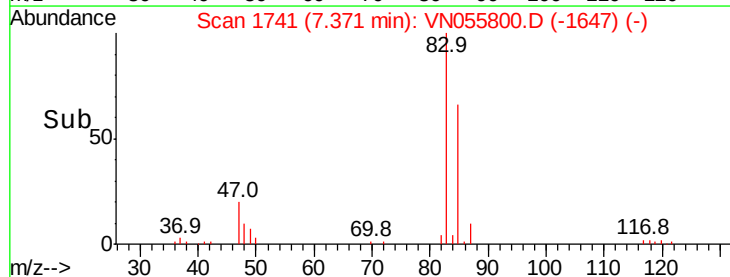
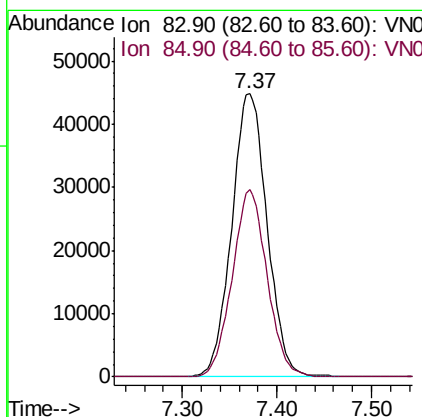
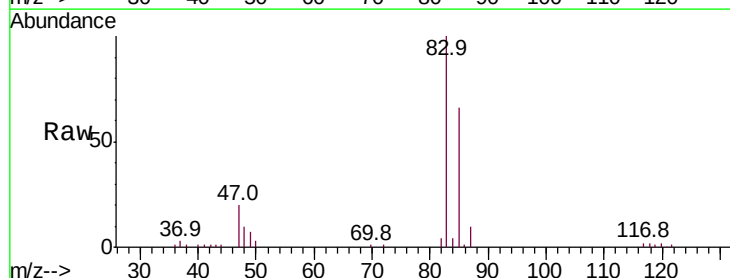
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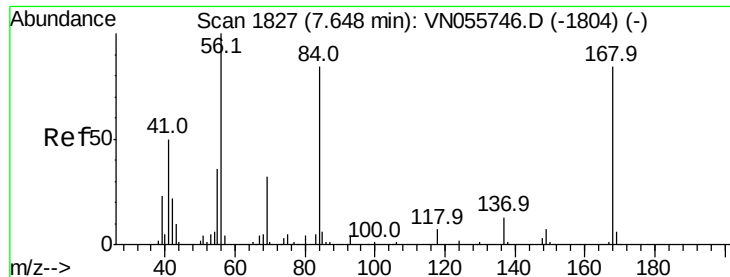
MMDadoda
5/28/2019 10:35:59 AM



#30
Chloroform
Concen: 19.688 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8





#31

Cyclohexane

Concen: 18.784 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

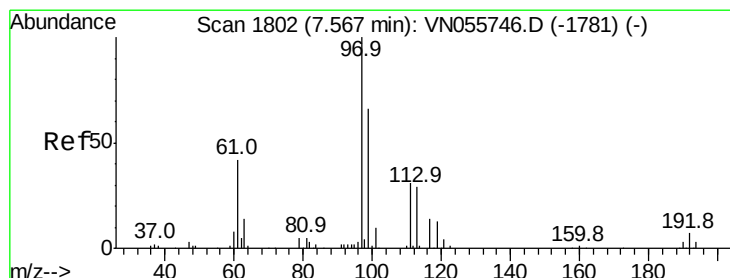
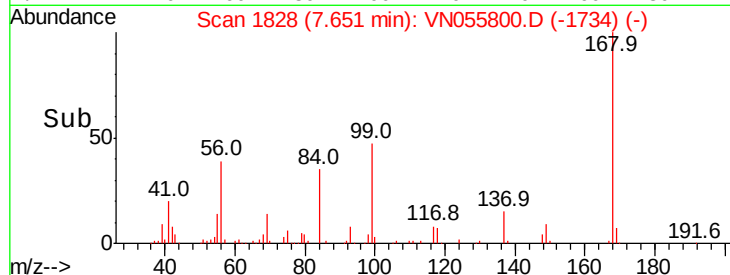
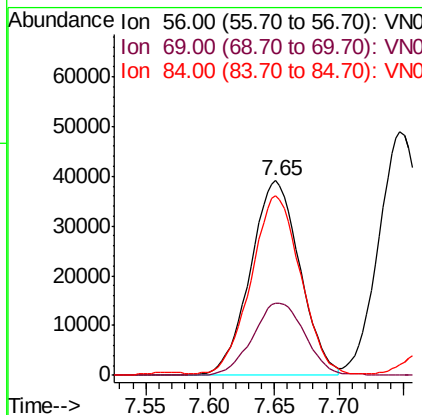
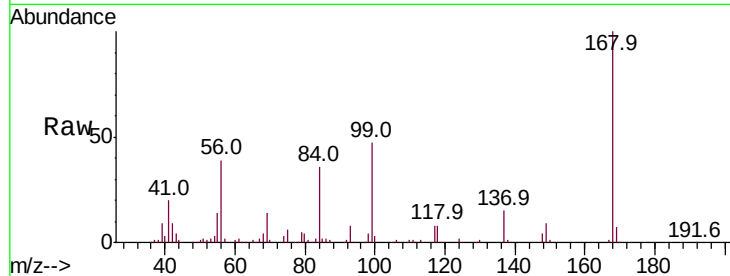
ClientSampleId :

VN0524WBS02

Tot Ion:	56	Resp:	104591
Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.6	38.4
84	91.4	67.4	101.0

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5/28/2019 10:35:59 AM



#32

1,1,1-Trichloroethane

Concen: 19.282 ug/l

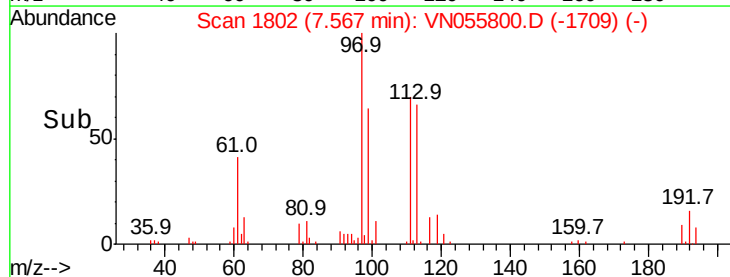
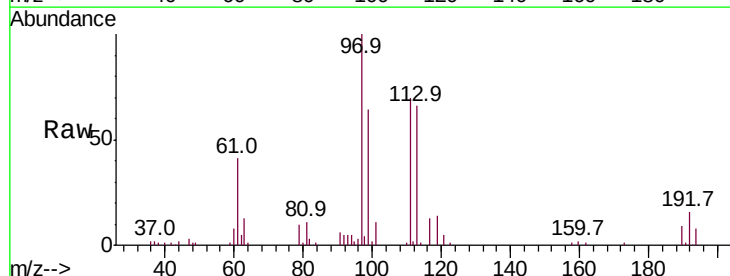
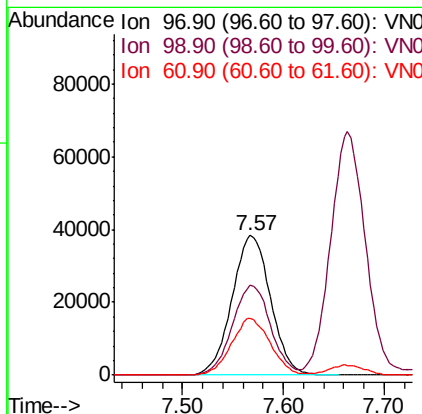
RT: 7.57 min Scan# 1802

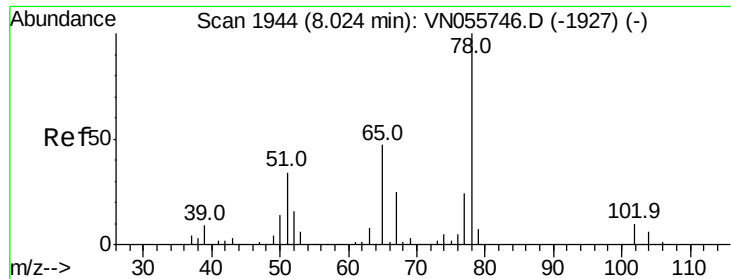
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	97	Resp:	101767
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	40.9	32.9	49.3





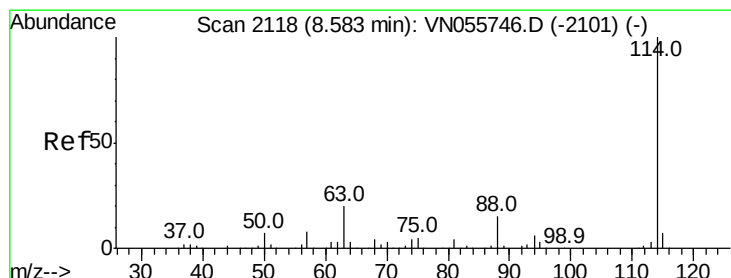
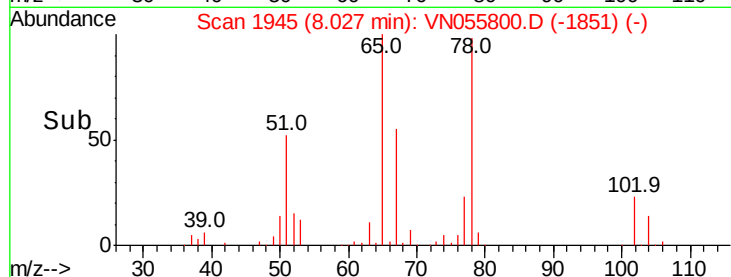
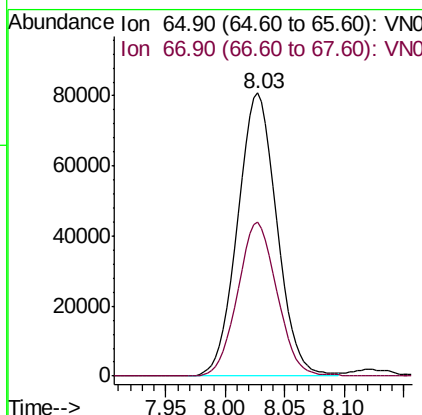
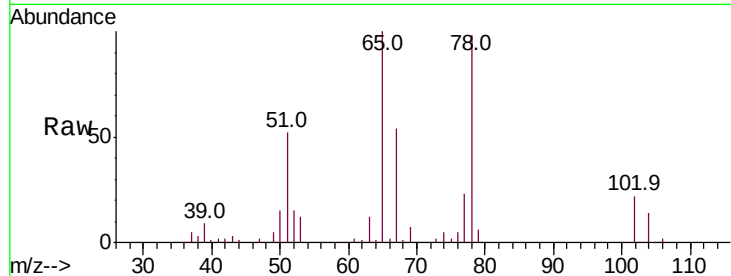
#33
 1,2-Dichloroethane-d4
 Concen: 49.801 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184744		
67	54.7	0.0	109.2	

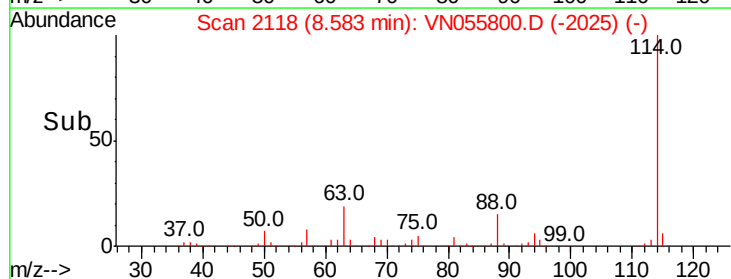
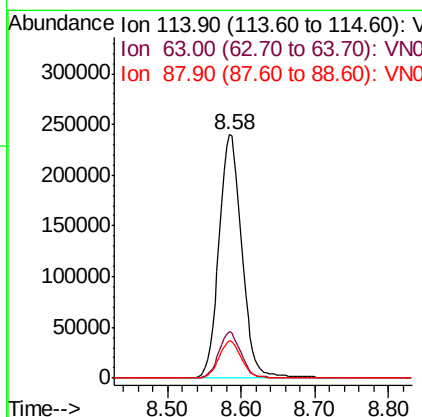
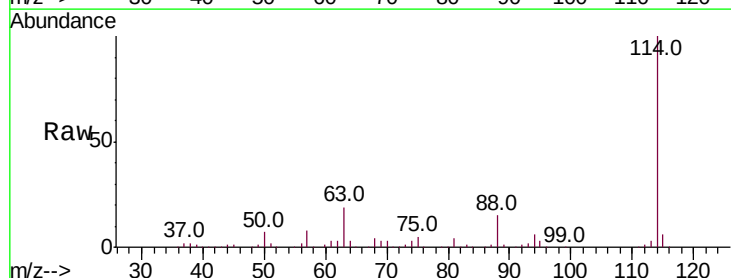
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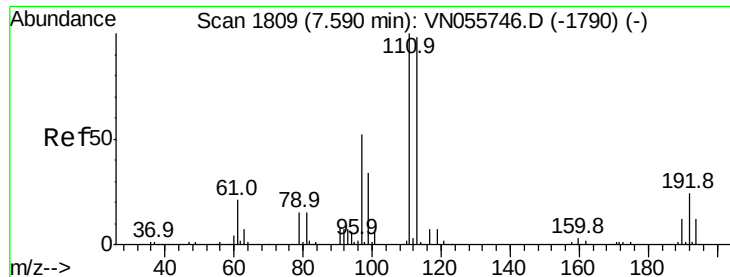
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	519346		
63	18.9	0.0	39.2	
88	15.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.626 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

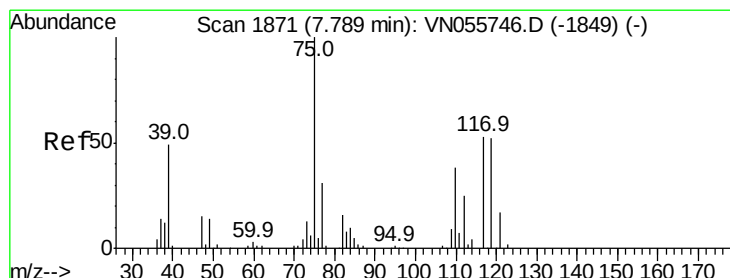
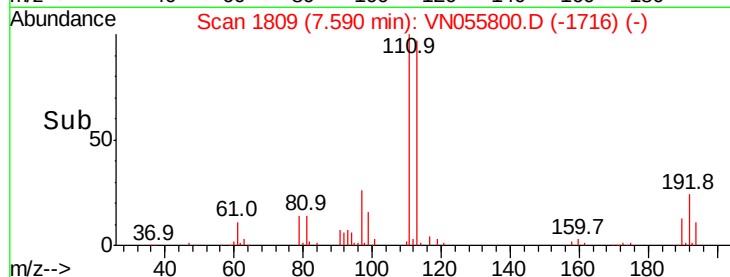
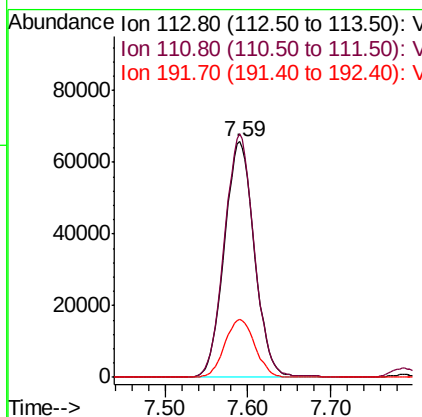
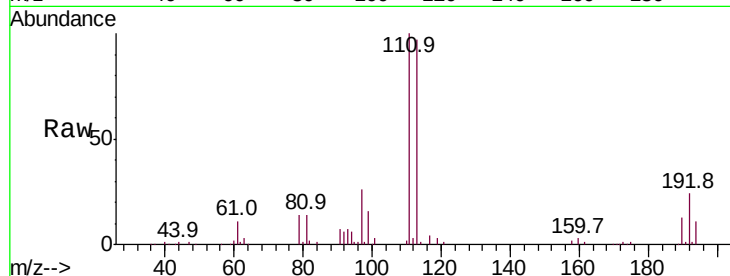
ClientSampleId :

VN0524WBS02

Tot Ion:	113	Resp:	166230
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.9	122.9
192	24.6	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 18.585 ug/l

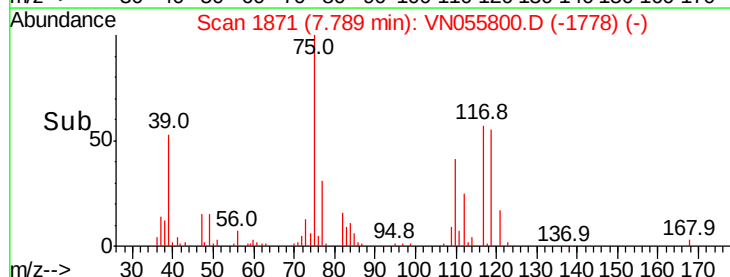
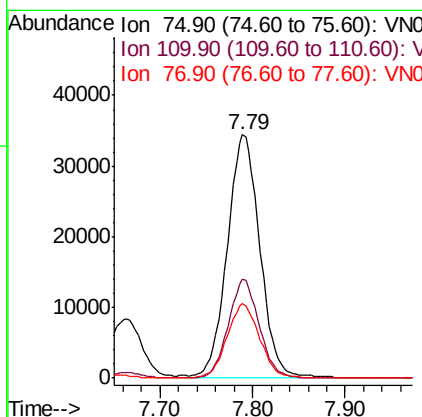
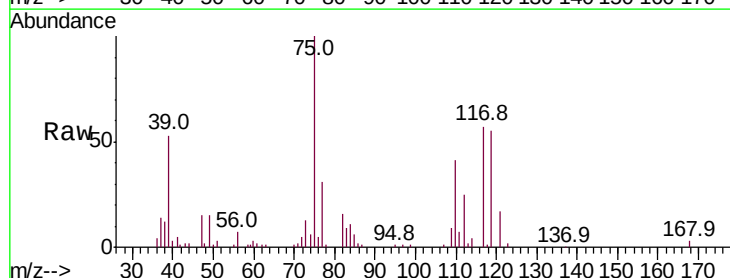
RT: 7.79 min Scan# 1871

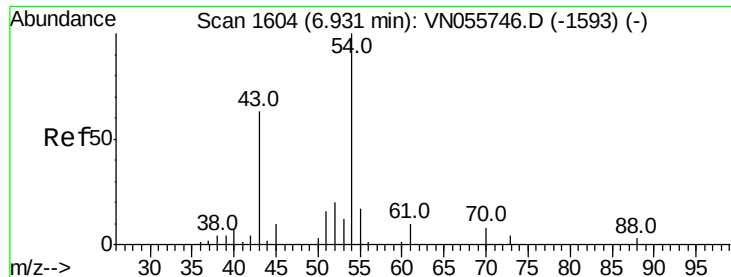
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	75	Resp:	84111
Ion Ratio	Lower	Upper	
75	100		
110	38.2	19.0	57.0
77	30.5	25.1	37.7





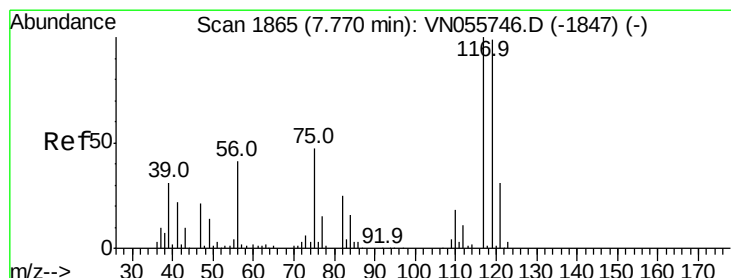
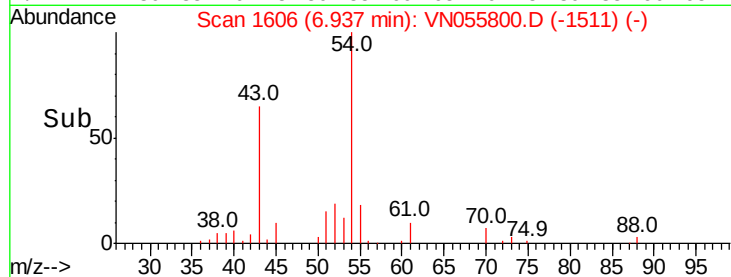
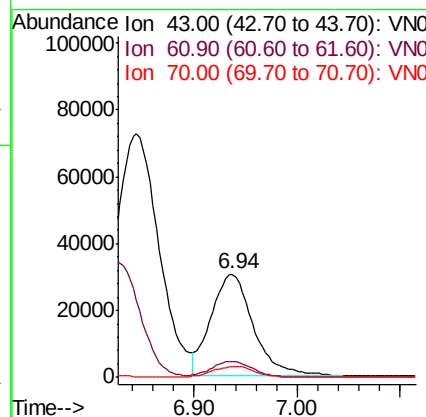
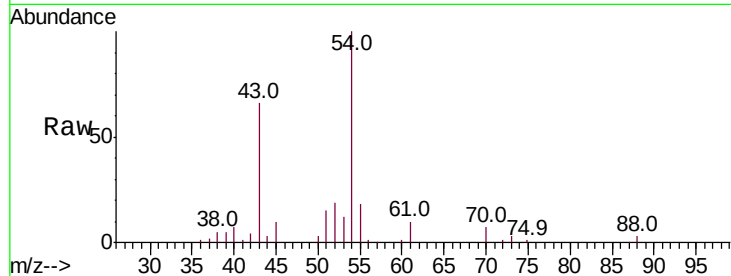
#37
Ethyl Acetate
Concen: 19.889 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion:	43	Resp:	86999
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.2
70	10.5	8.9	13.3

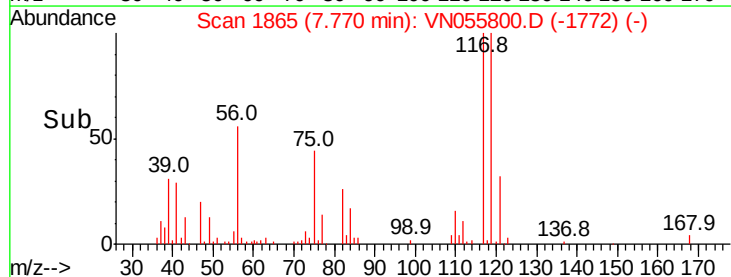
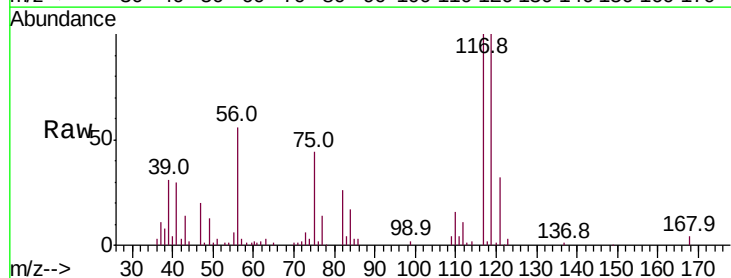
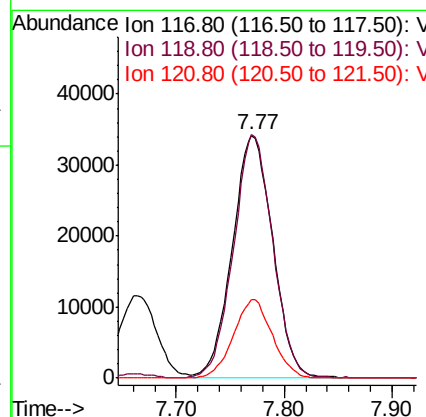
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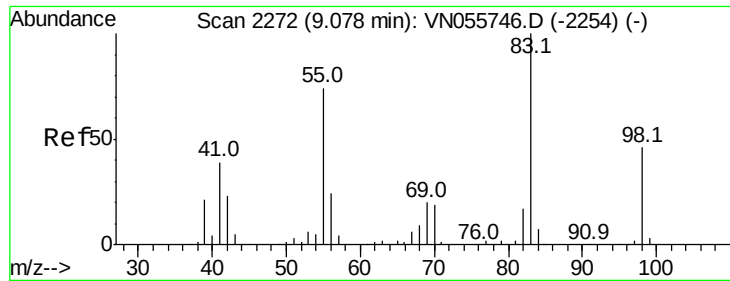
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#38
Carbon Tetrachloride
Concen: 18.924 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion:	117	Resp:	89212
Ion	Ratio	Lower	Upper
117	100		
119	100.2	79.0	118.6
121	32.5	24.7	37.1





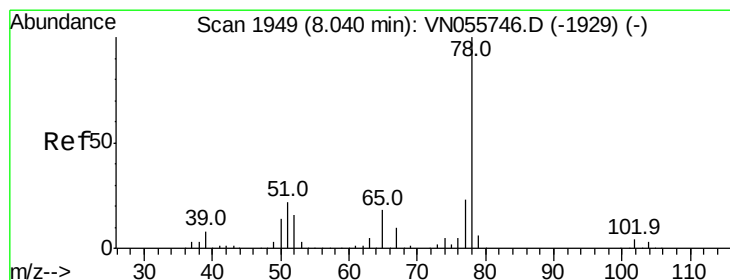
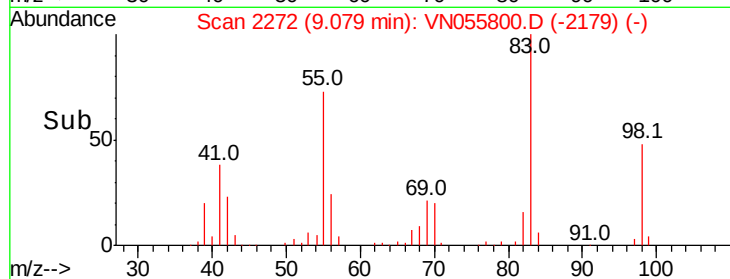
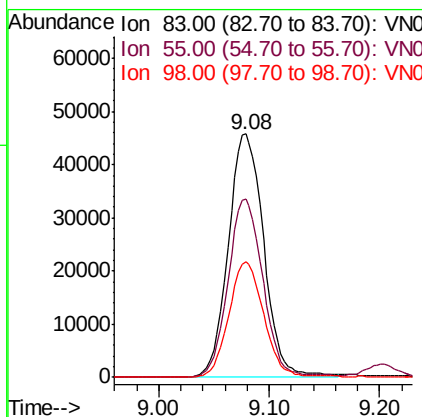
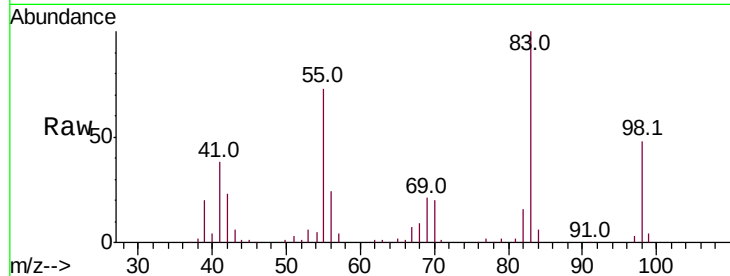
#39
Methylvlcyclohexane
Concen: 18.219 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	59.3	88.9
98	47.5	36.6	54.8

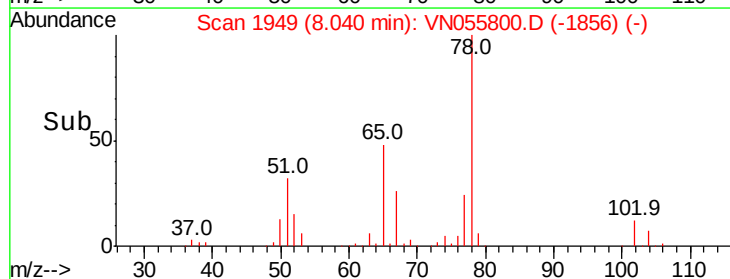
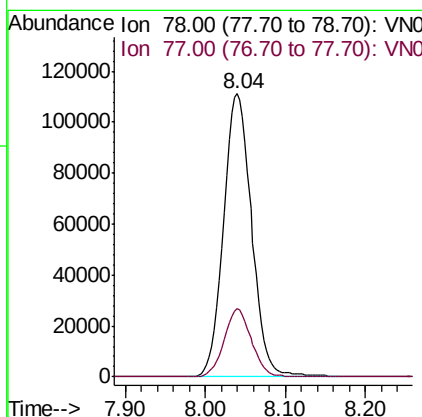
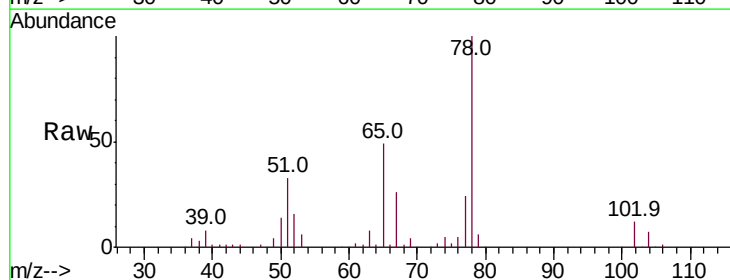
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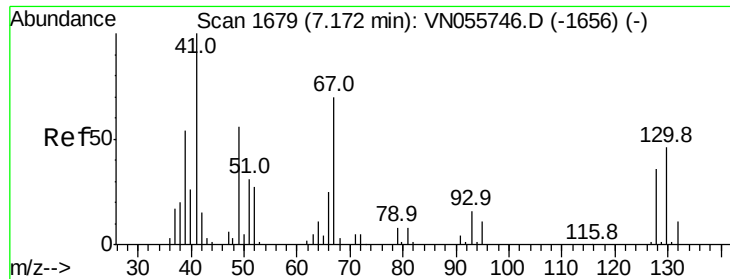
MMDadoda
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#40
Benzene
Concen: 19.570 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





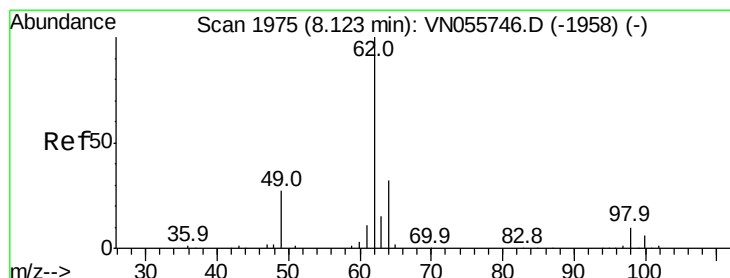
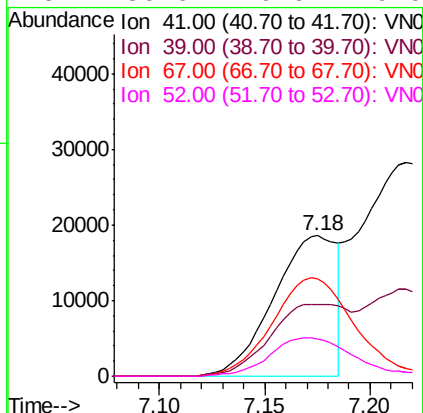
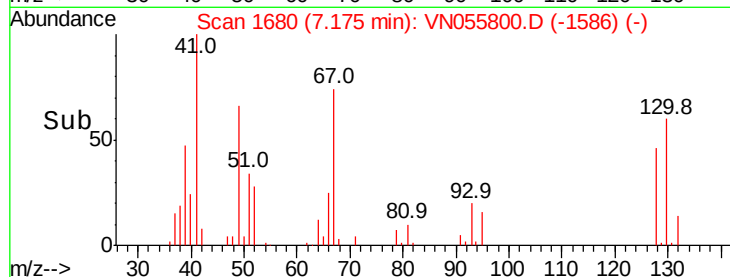
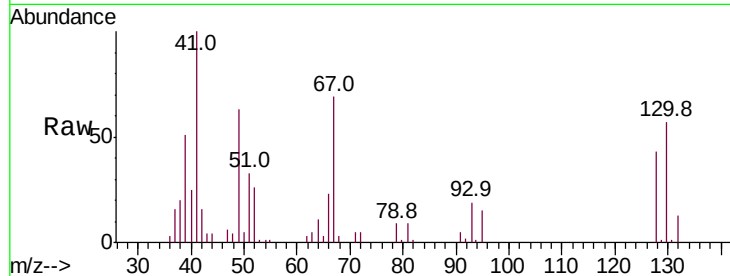
#41
Methacrylonitrile
Concen: 17.568 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	41	Resp	38823
Ion	Ratio	Lower	Upper
41	100		
39	62.5	45.6	68.4
67	91.2	67.7	101.5
52	36.6	26.6	40.0

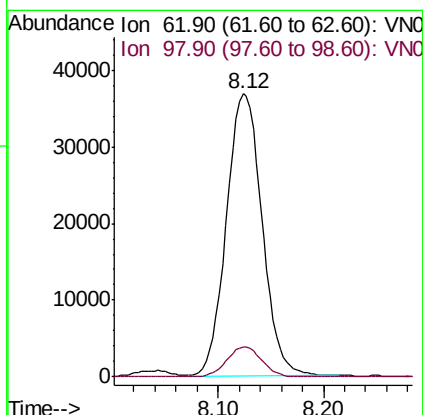
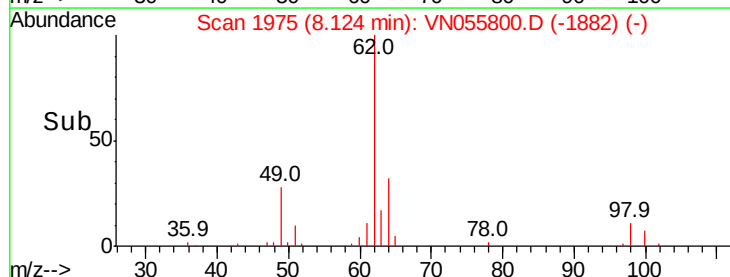
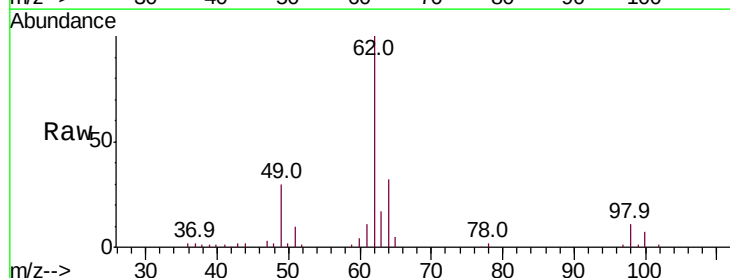
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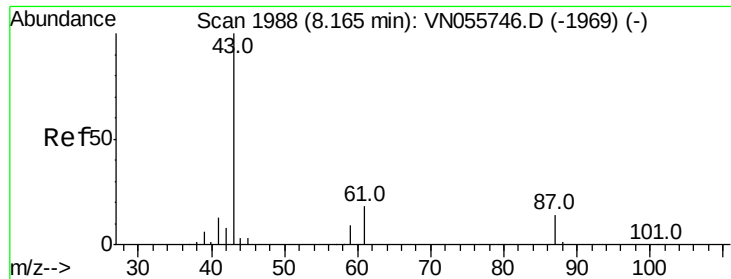
MMDadoda
5/28/2019 10:35:59 AM



#42
1,2-Dichloroethane
Concen: 19.348 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	62	Resp	86237
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.699 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

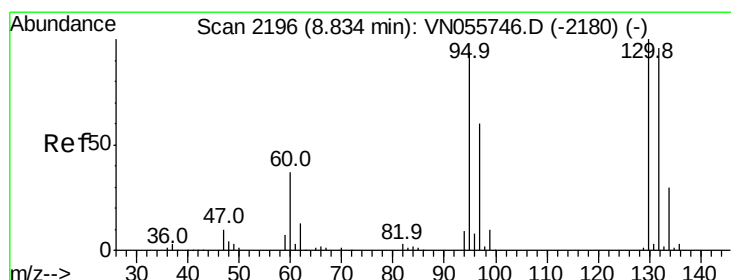
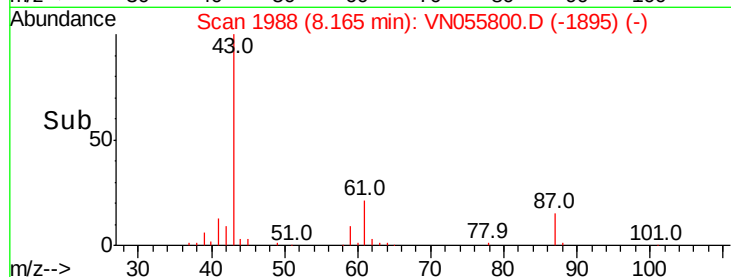
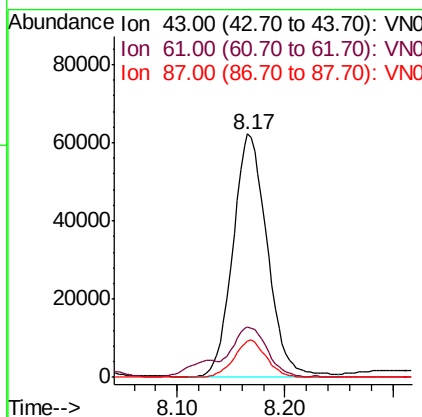
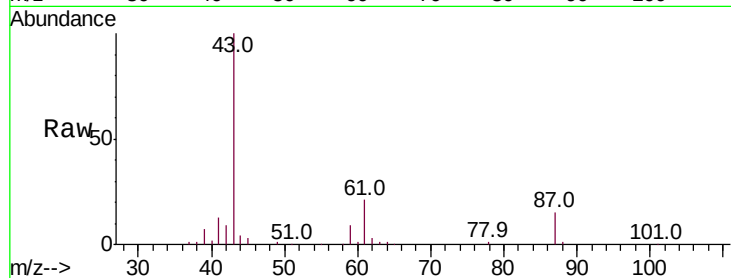
ClientSampleId :

VN0524WBS02

Tot Ion:	43	Resp:	137427
Ion Ratio	Lower	Upper	
43	100		
61	20.4	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 20.321 ug/l

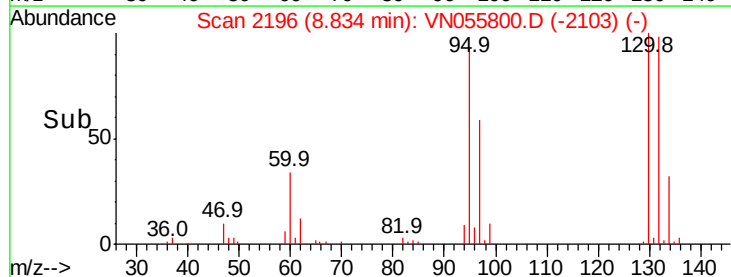
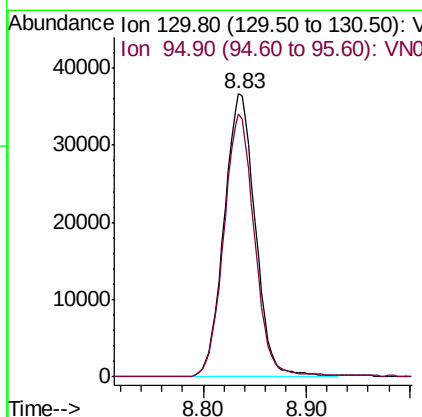
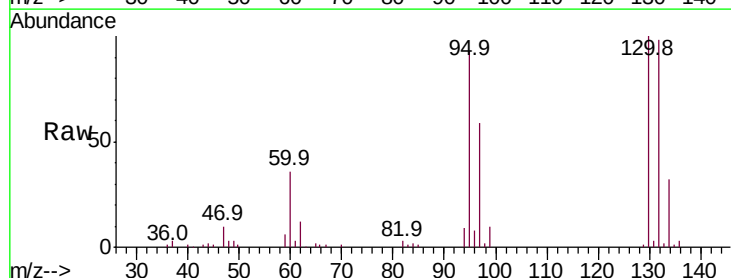
RT: 8.83 min Scan# 2196

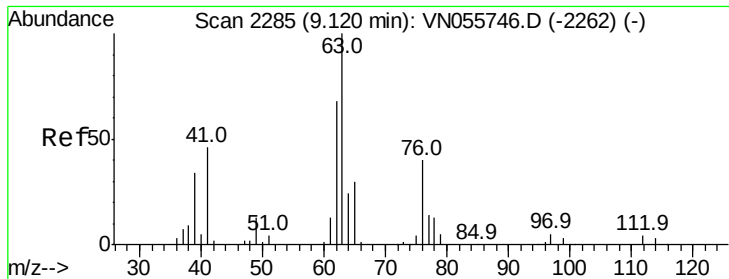
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	130	Resp:	77272
Ion Ratio	Lower	Upper	
130	100		
95	92.8	0.0	188.0





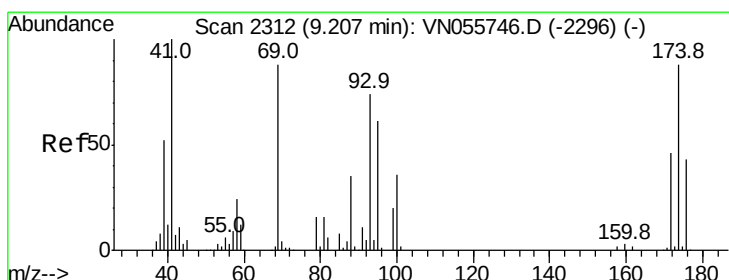
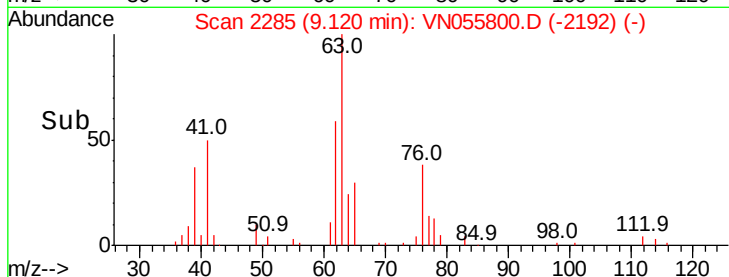
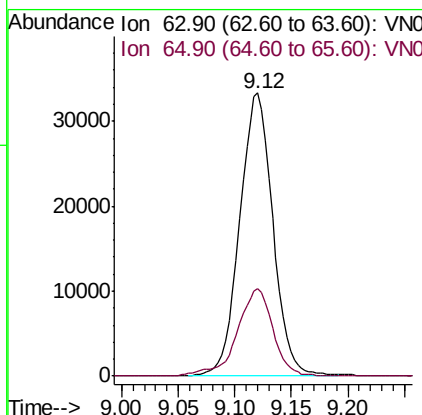
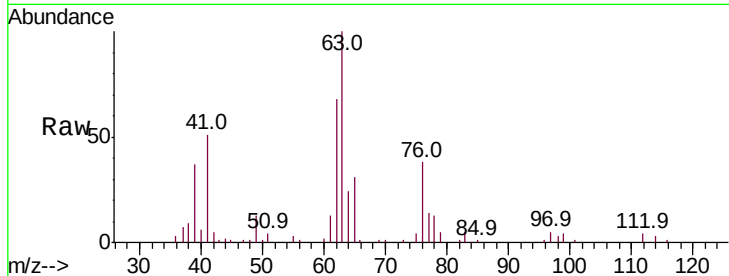
#45
 1,2-Dichloropropane
 Concen: 19.193 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion: 63 Resp: 68208
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8

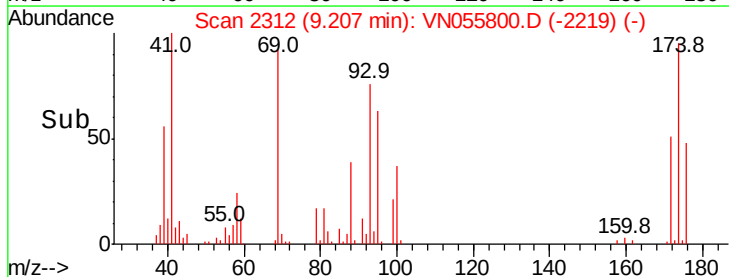
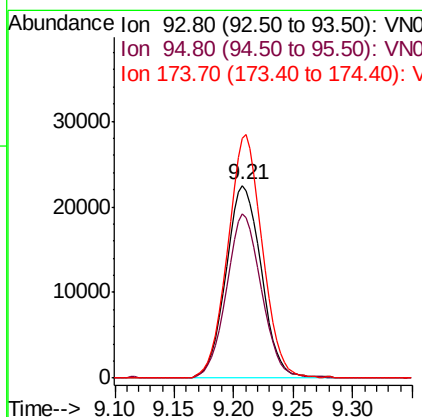
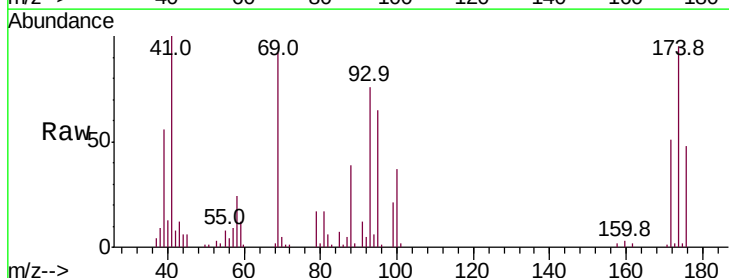
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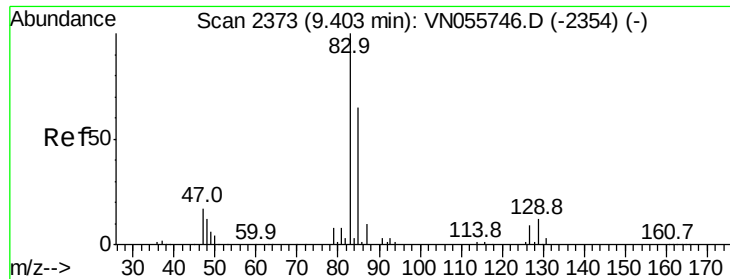
MMDadoda
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#46
 Dibromomethane
 Concen: 19.926 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion: 93 Resp: 46440
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.7 100.1
 174 123.1 96.4 144.6





#47

Bromodichloromethane

Concen: 18.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

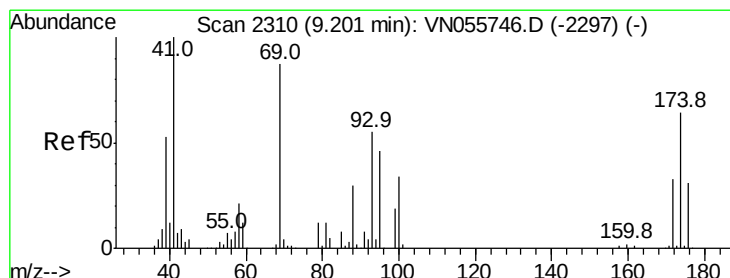
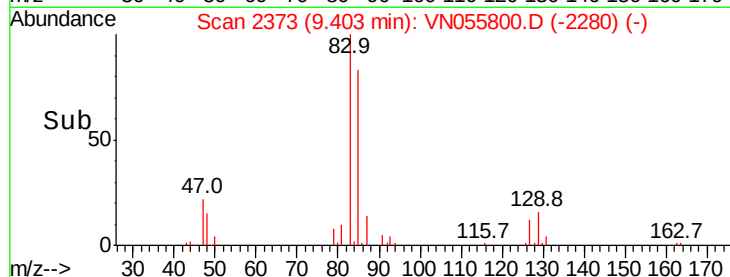
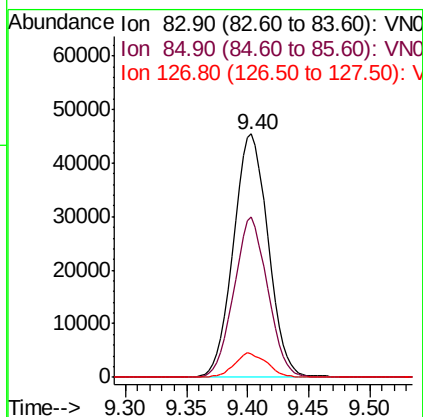
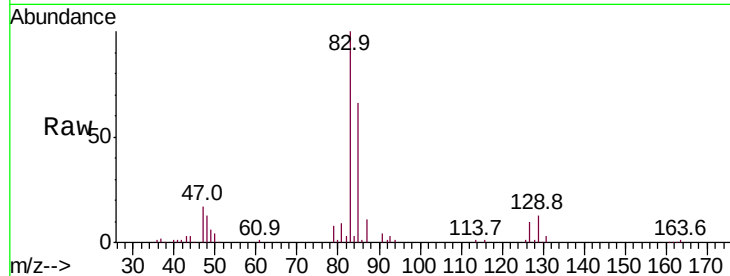
ClientSampleId :

VN0524WBS02

Tot Ion:	83	Resp:	89813
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.2	78.2
127	9.8	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.405 ug/l

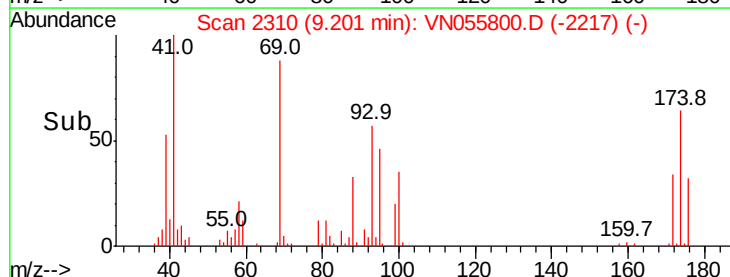
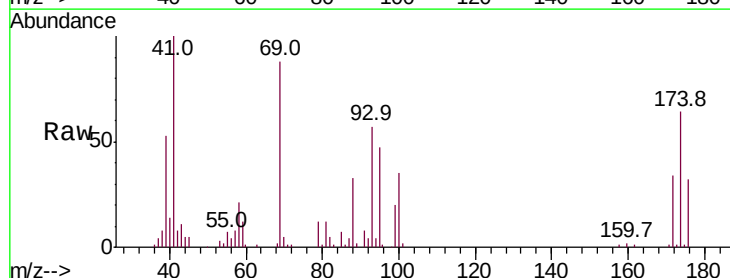
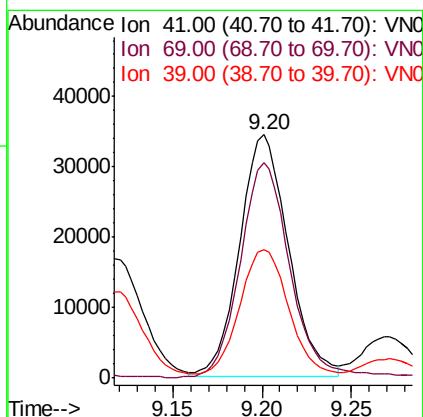
RT: 9.20 min Scan# 2310

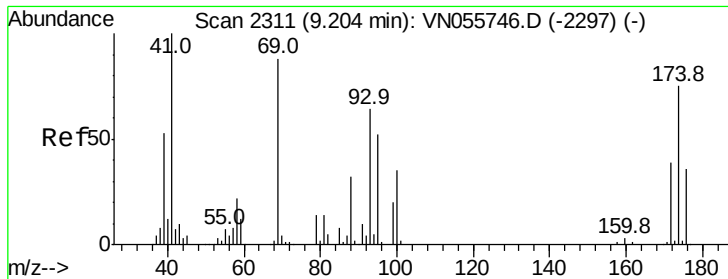
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	41	Resp:	65728
Ion Ratio	Lower	Upper	
41	100		
69	92.7	71.0	106.6
39	54.1	44.2	66.2





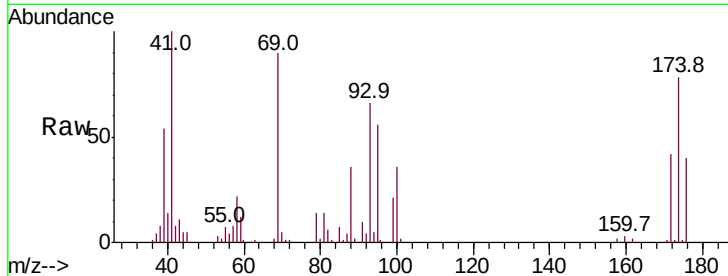
#49
 1,4-Dioxane
 Concen: 429.682 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

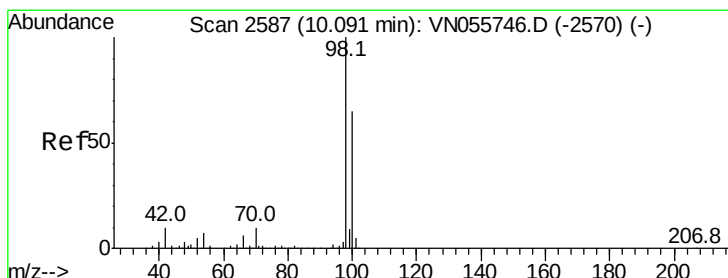
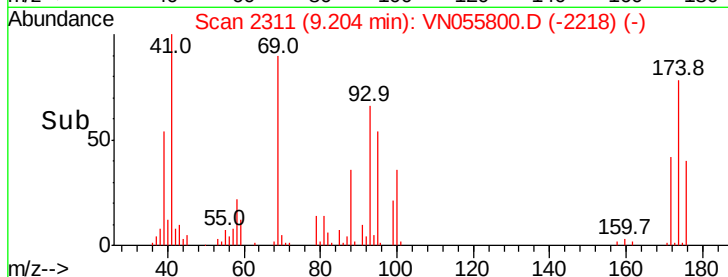
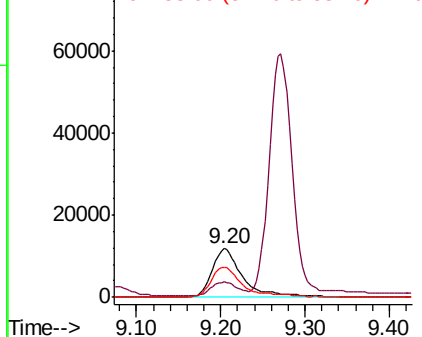
Tot Ion	88	Resp	30245
Ion	Ratio	Lower	Upper
88	100		
43	24.9	20.5	30.7
58	64.3	55.8	83.6

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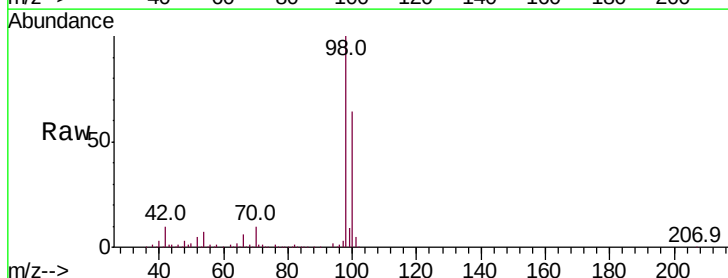


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

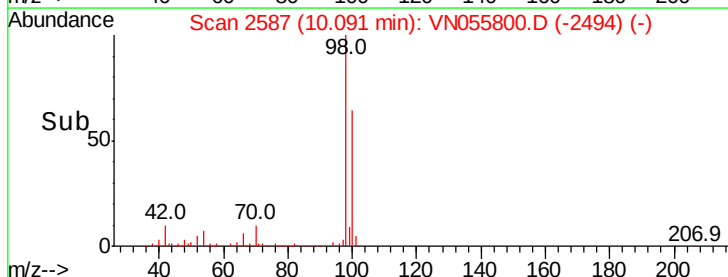
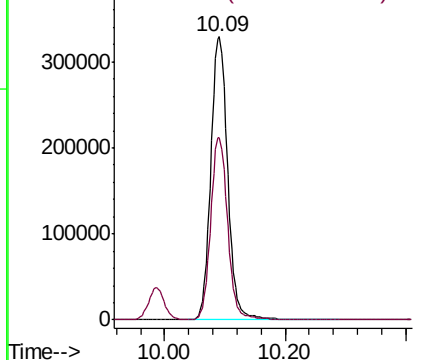


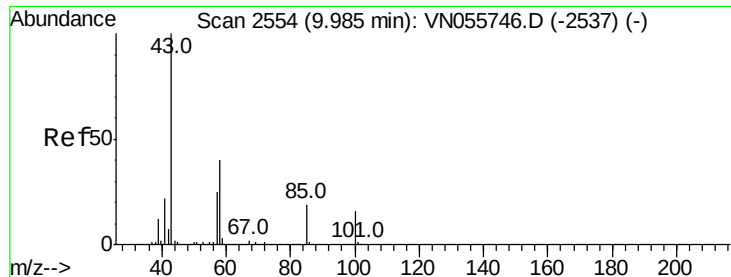
#50
 Toluene-d8
 Concen: 49.728 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	98	Resp	626328
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.248 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS02

Tot Ion: 43 Resp: 422120

Ion Ratio Lower Upper

43 100

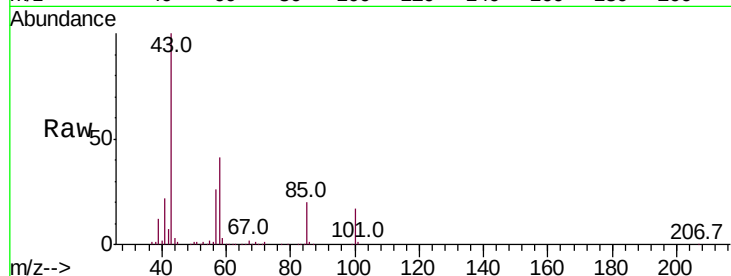
58 40.7 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

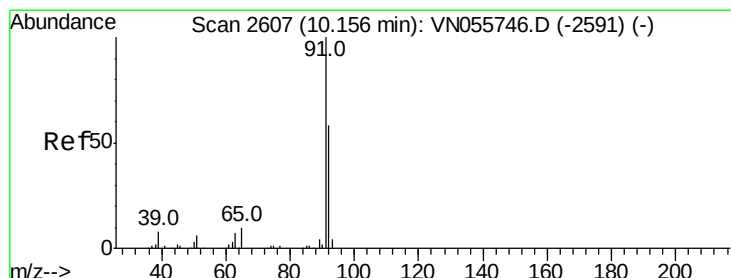
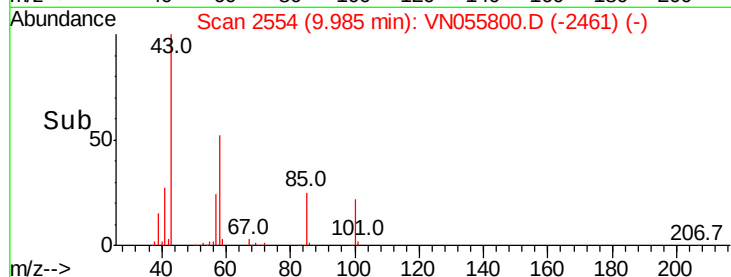
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.792 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055800.D

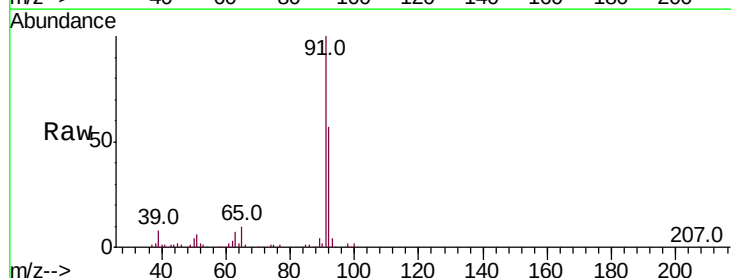
Acq: 24 May 2019 16:58

Tgt Ion: 92 Resp: 169787

Ion Ratio Lower Upper

92 100

91 174.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

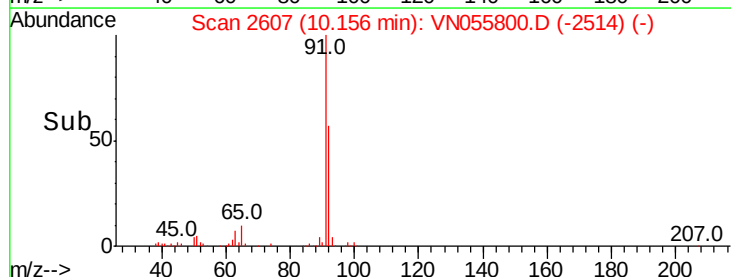
150000

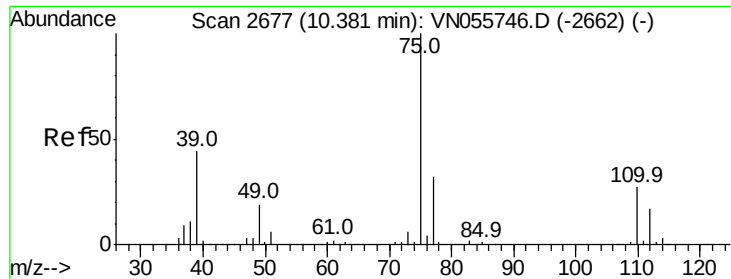
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.163 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 75 Resp: 92653

Ion Ratio Lower Upper

75 100

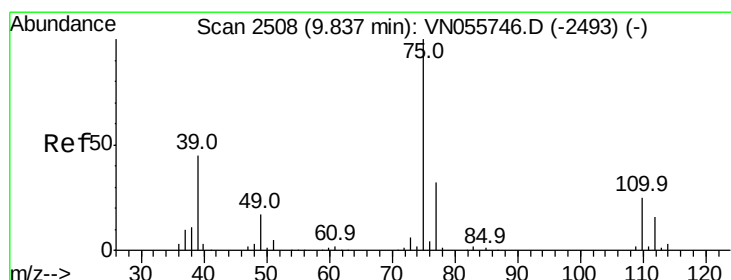
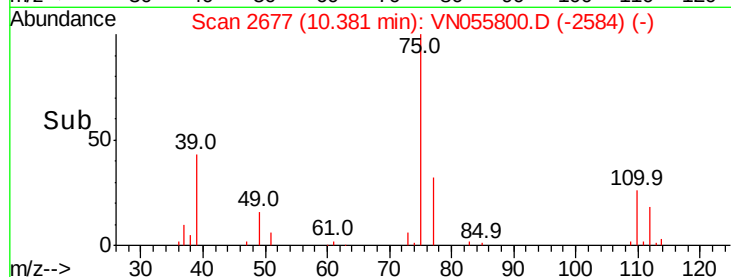
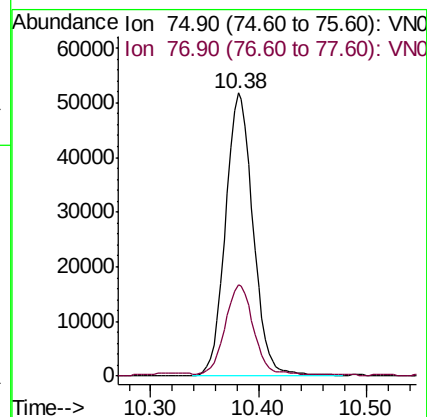
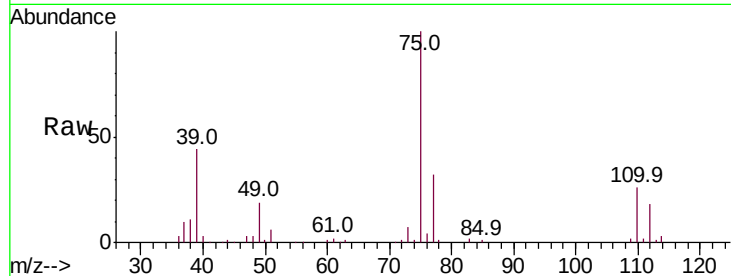
77 31.8 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 18.633 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

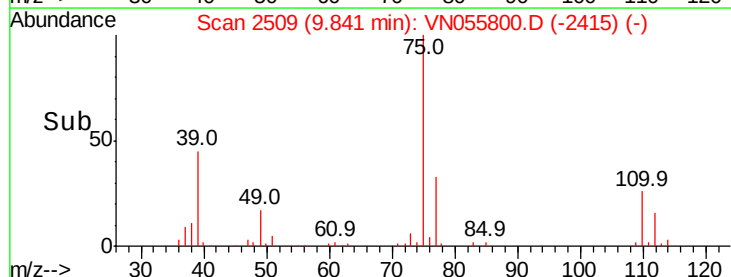
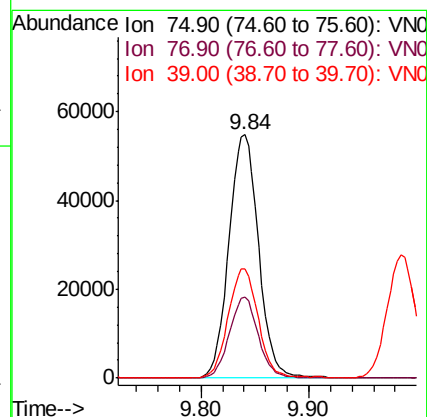
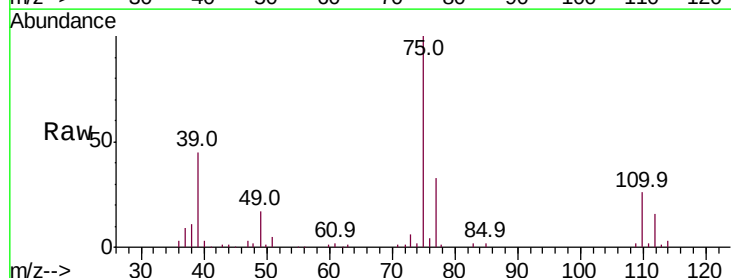
Tgt Ion: 75 Resp: 105302

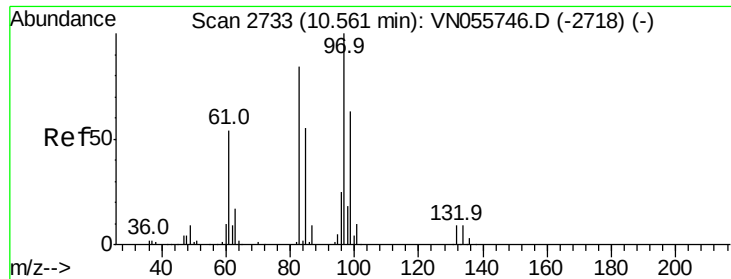
Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

39 44.6 36.3 54.5





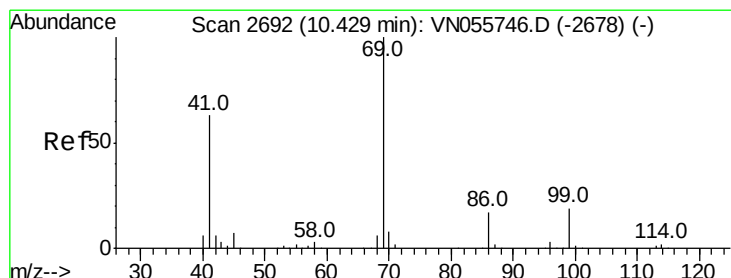
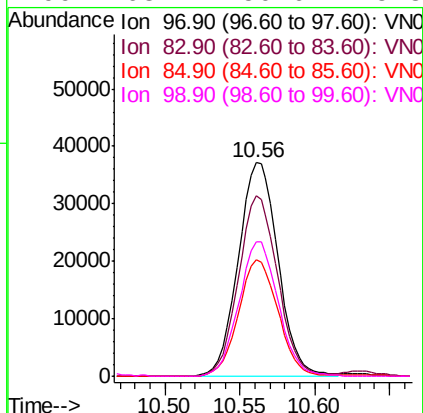
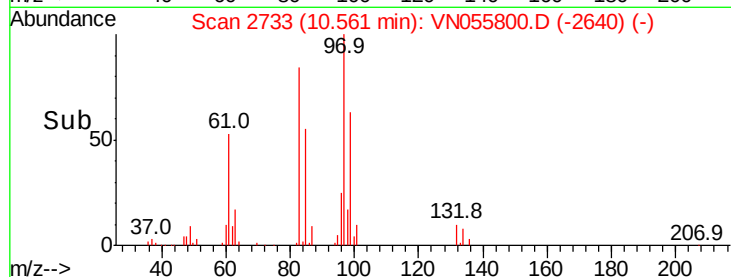
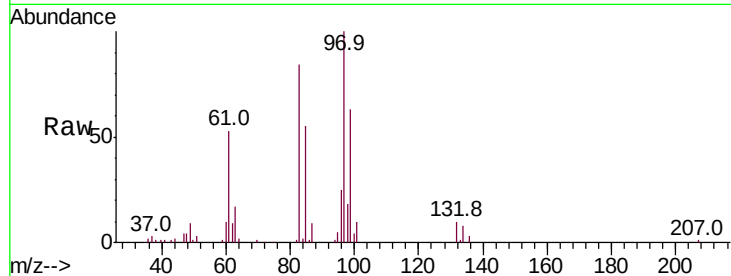
#55
 1,1,2-Trichloroethane
 Concen: 20.100 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS02

Tot Ion:	97	Resp:	69079
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	54.6	44.0	66.0
99	63.1	50.6	75.8

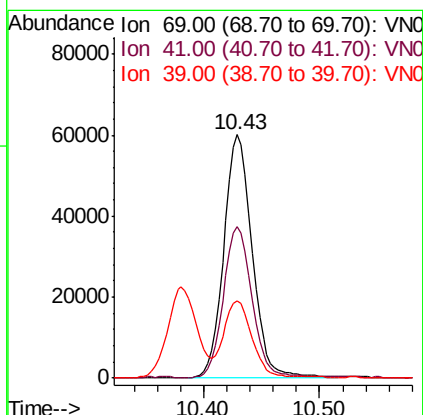
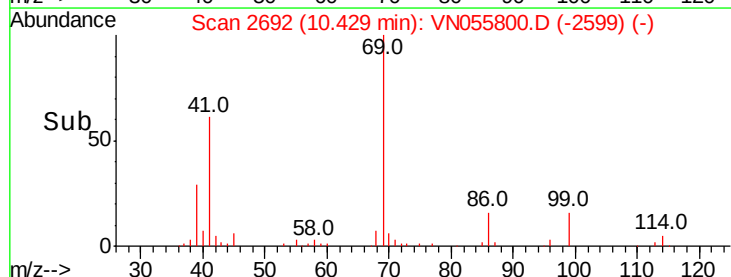
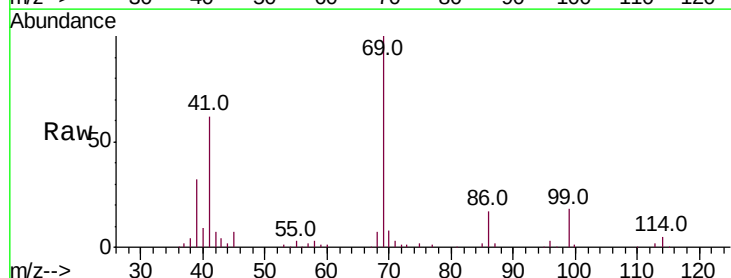
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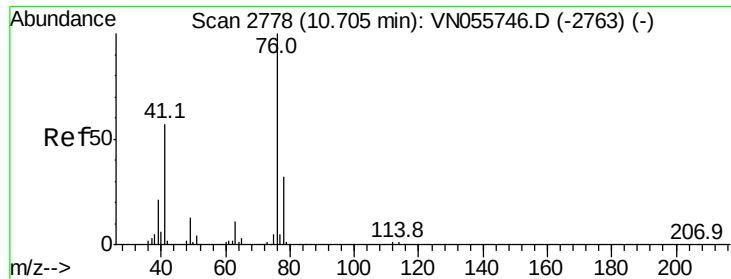
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#56
 Ethyl methacrylate
 Concen: 19.239 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion:	69	Resp:	102186
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	31.4	24.7	37.1





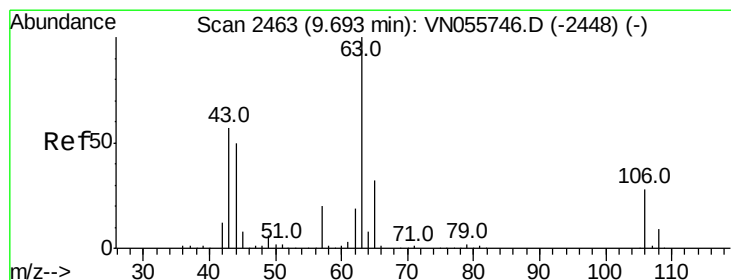
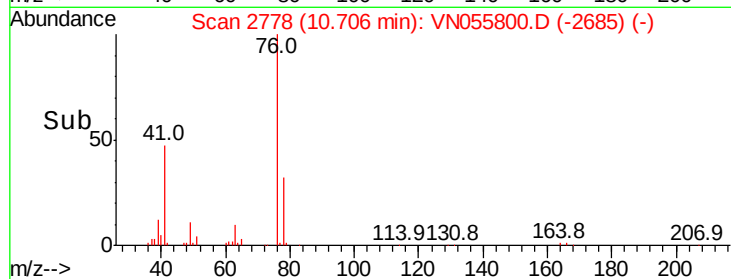
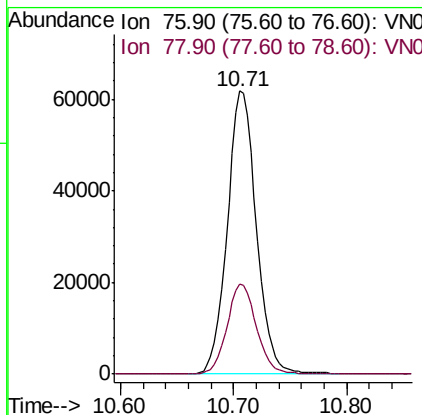
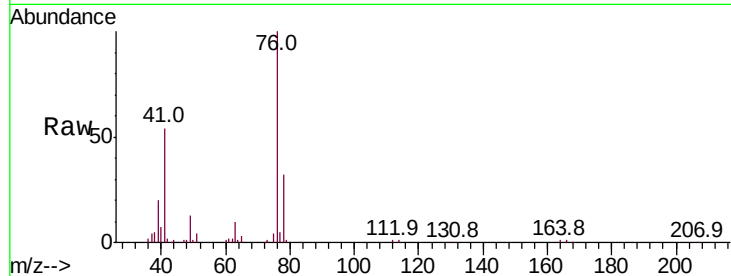
#57
 1,3-Dichloropropane
 Concen: 19.769 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion: 76 Resp: 110436
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

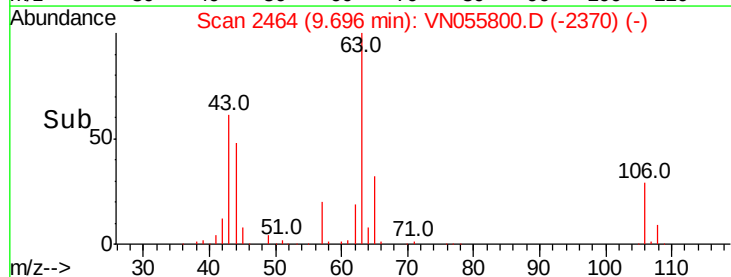
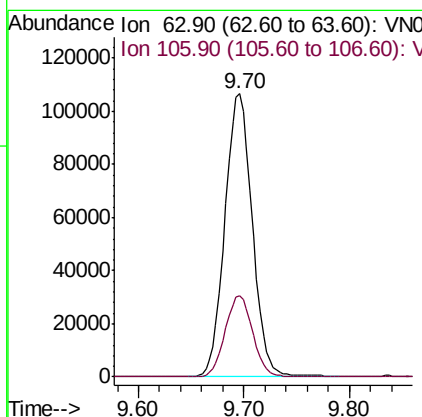
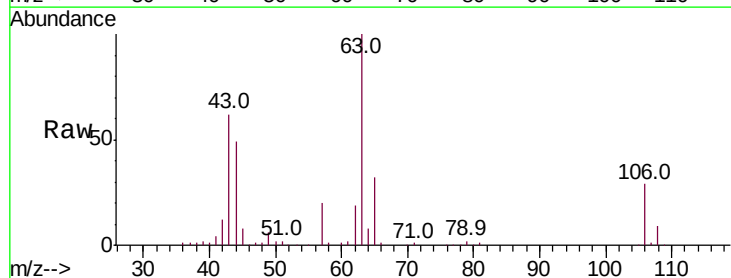
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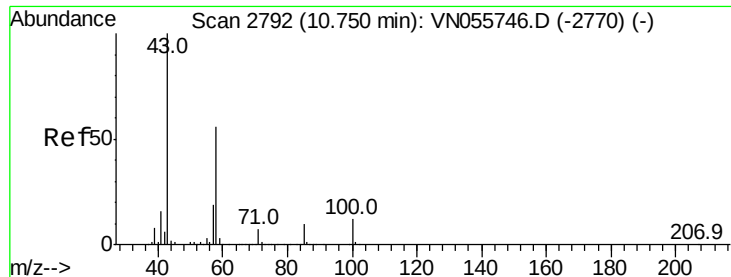
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.567 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion: 63 Resp: 191951
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.7 34.1





#59

2-Hexanone

Concen: 95.402 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 43 Resp: 293770

Ion Ratio Lower Upper

43 100

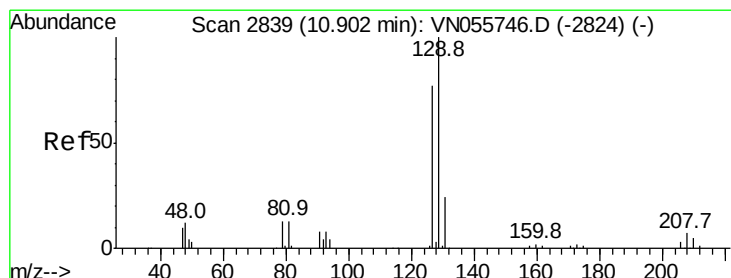
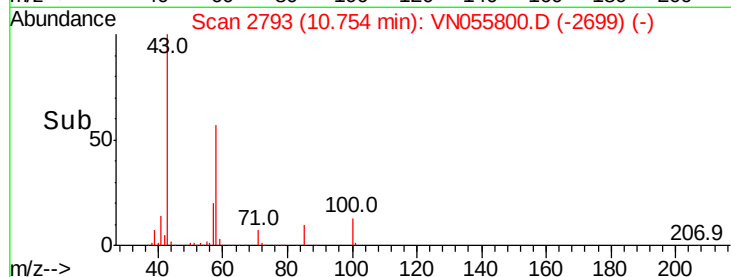
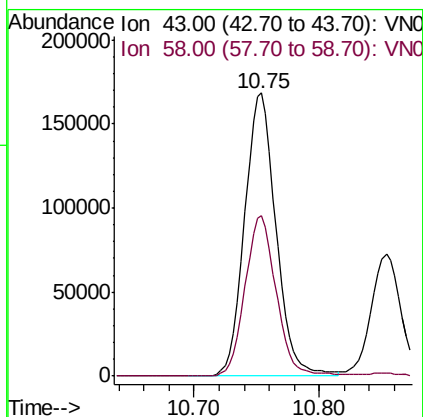
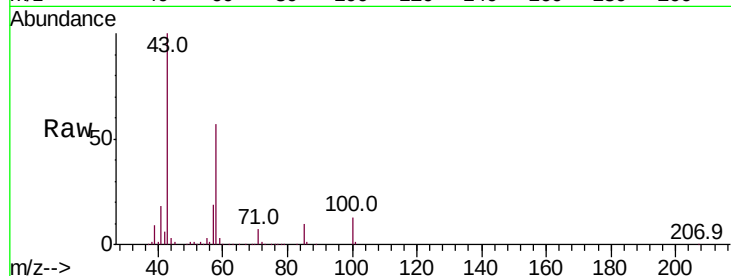
58 56.4 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 18.806 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055800.D

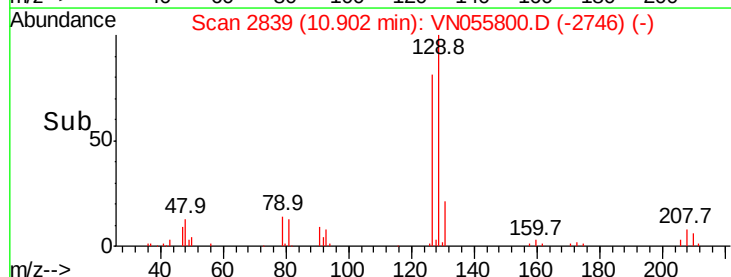
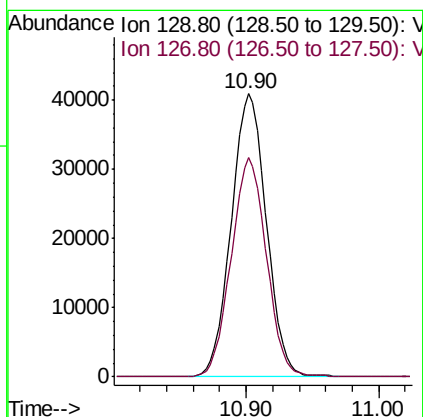
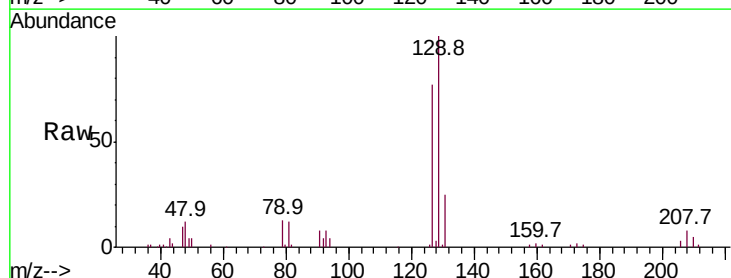
Acq: 24 May 2019 16:58

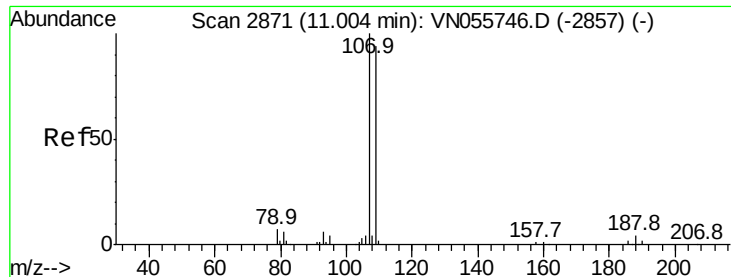
Tgt Ion: 129 Resp: 75292

Ion Ratio Lower Upper

129 100

127 77.5 38.1 114.3





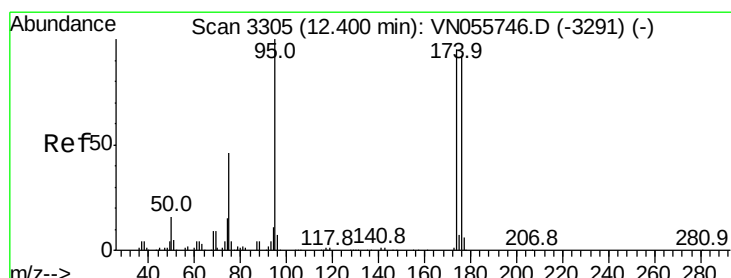
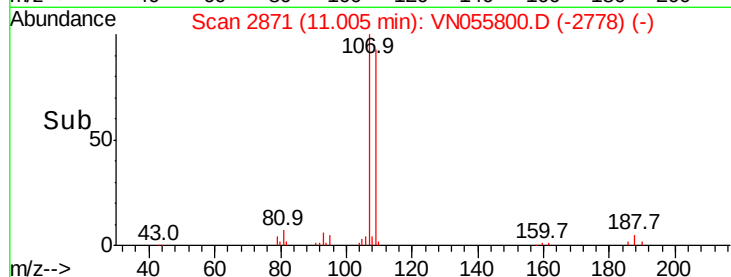
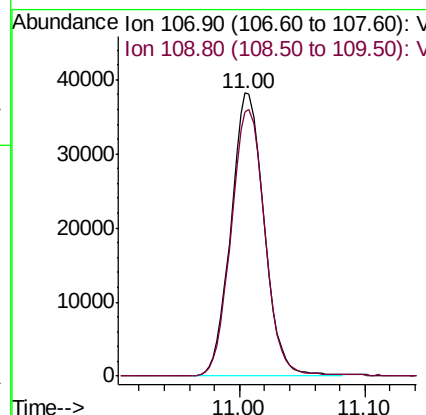
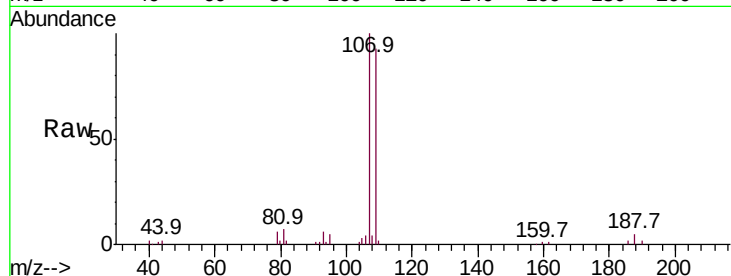
#61
 1,2-Dibromoethane
 Concen: 19.707 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.8	112.2

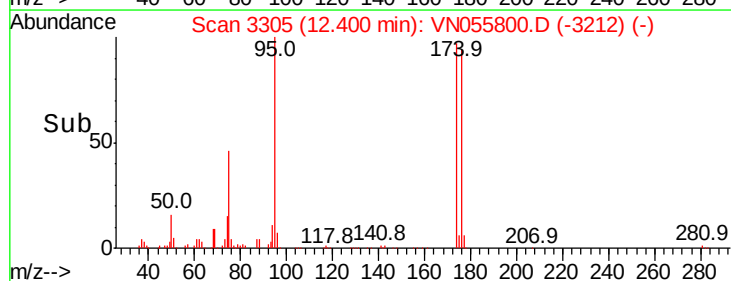
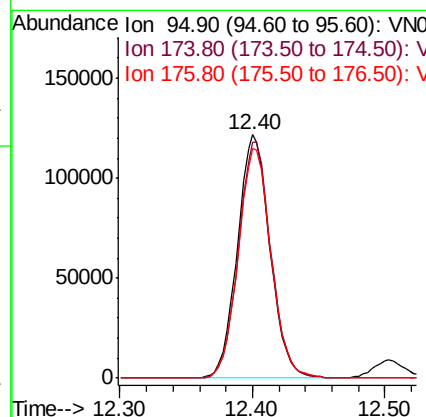
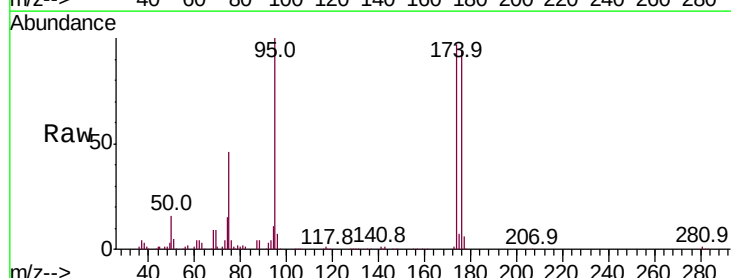
Manual Integrations
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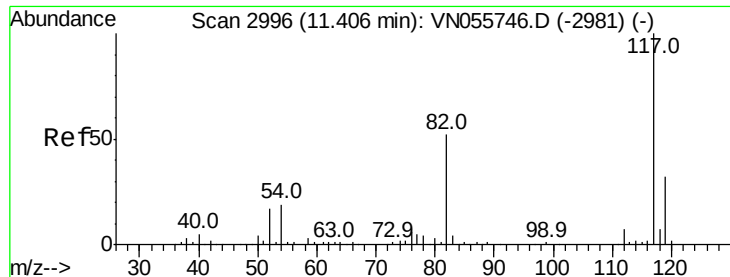
MMDadoda
 5/28/2019 10:35:59 AM



#62
 4-Bromofluorobenzene
 Concen: 47.867 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	191.0
176	95.3	0.0	185.2





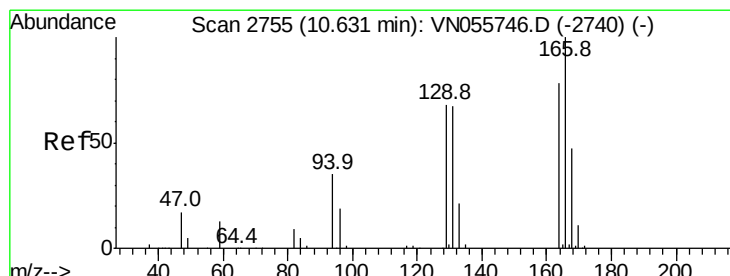
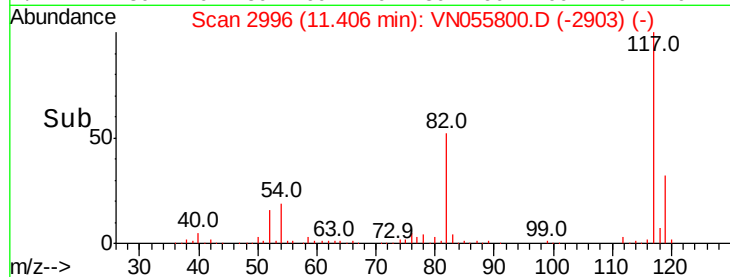
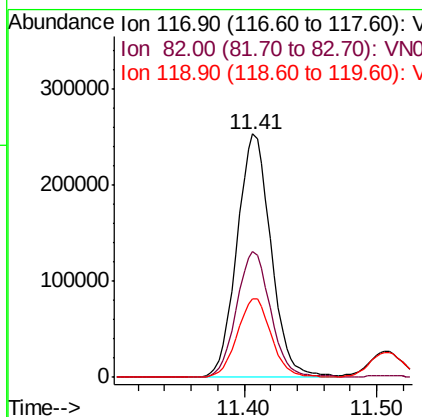
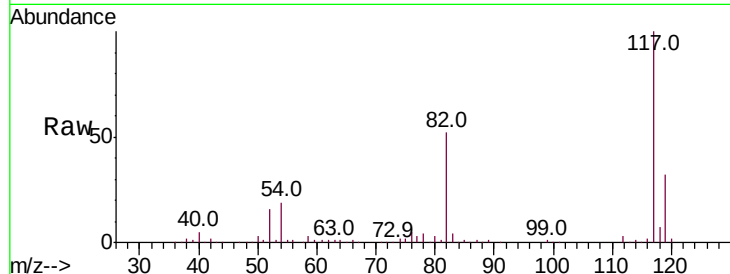
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	32.4	25.4	38.0

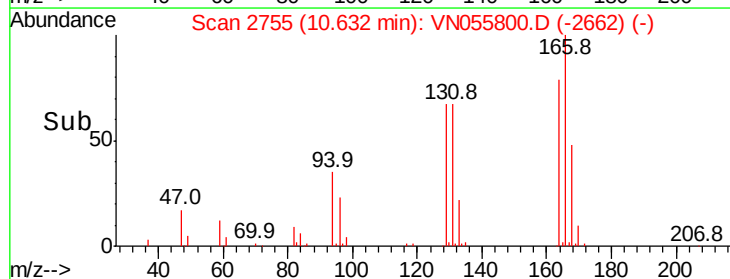
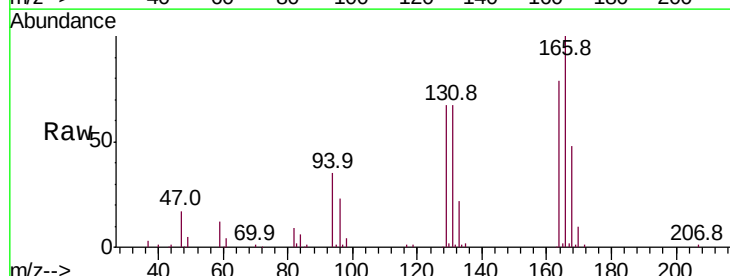
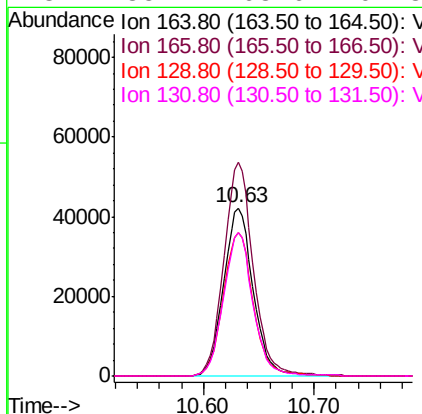
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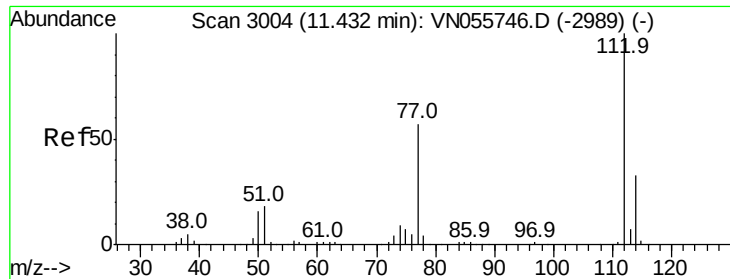
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#64
Tetrachloroethene
Concen: 20.582 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.0	154.6
129	84.9	70.6	105.8
131	85.1	68.6	102.8





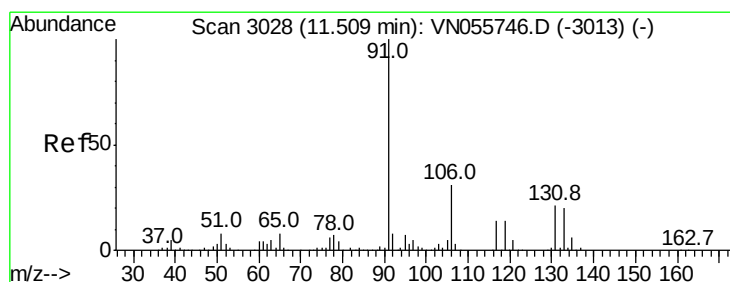
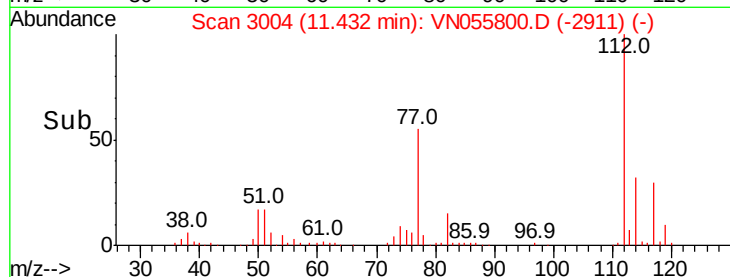
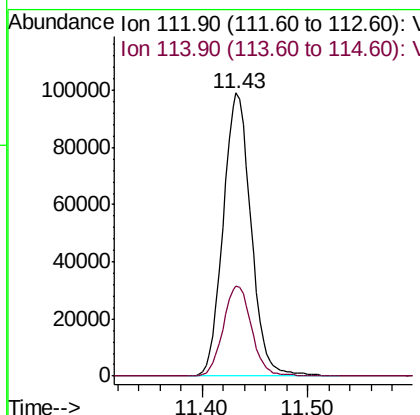
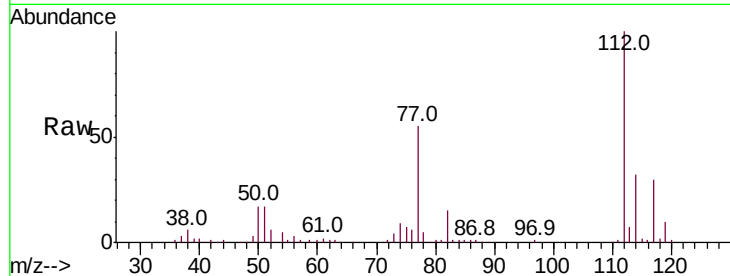
#65
Chlorobenzene
Concen: 20.003 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS02

Tot Ion:112 Resp: 181049
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

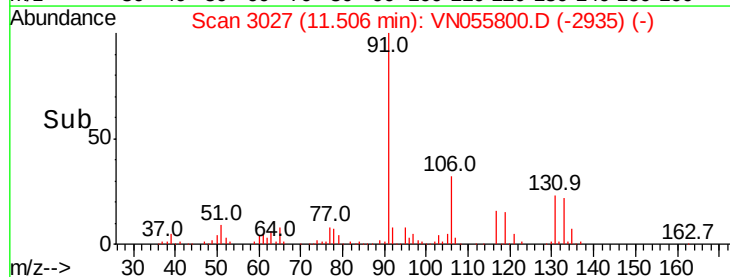
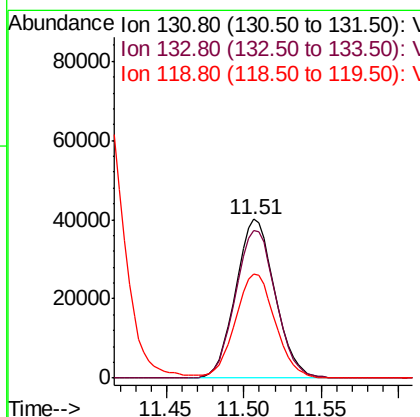
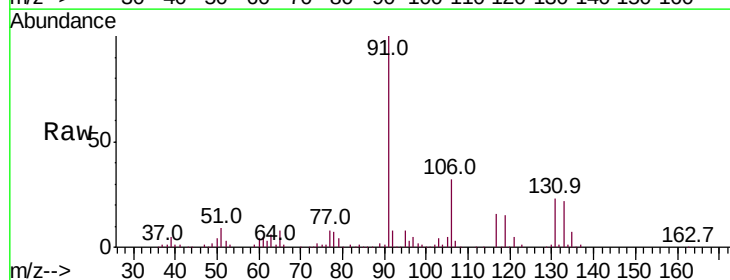
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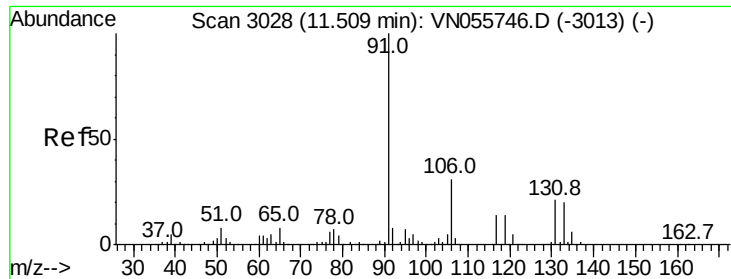
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.585 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion:131 Resp: 70698
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.7 33.1 99.5





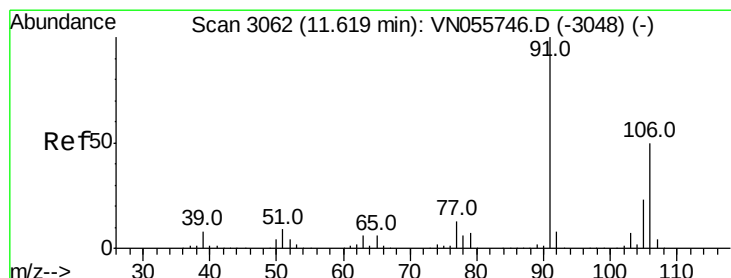
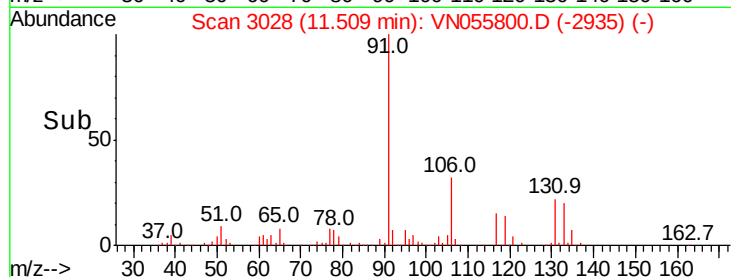
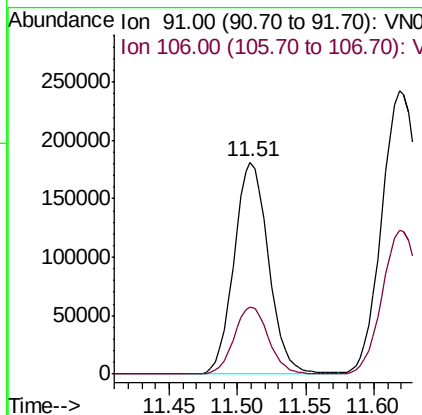
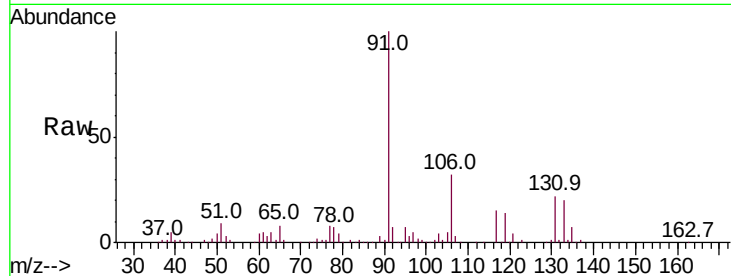
#67
Ethyl Benzene
Concen: 19.636 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS02

Tot Ion: 91 Resp: 318708
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

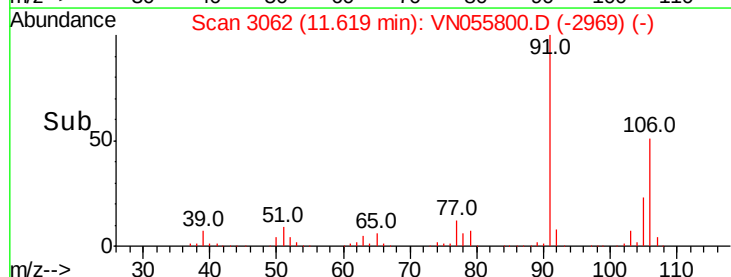
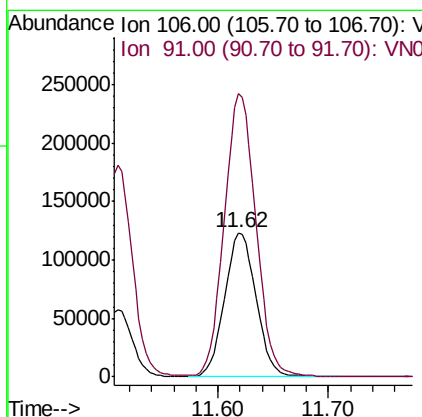
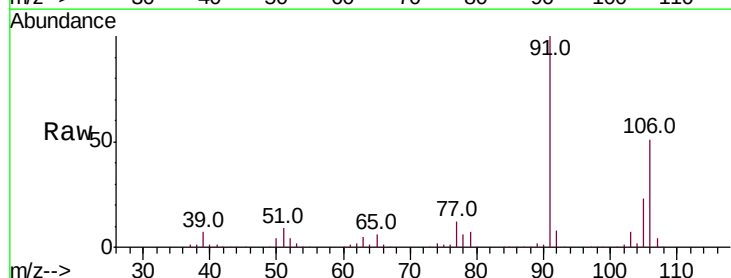
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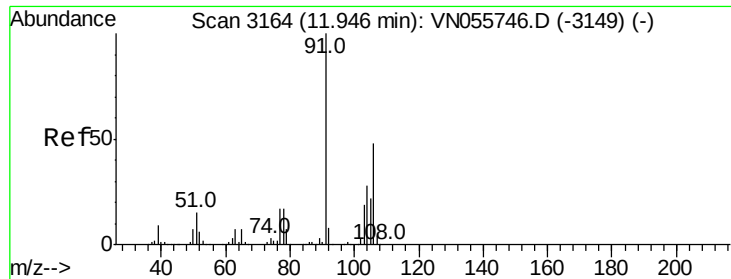
MMDadoda
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#68
m/p-Xylenes
Concen: 39.763 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion: 106 Resp: 243988
Ion Ratio Lower Upper
106 100
91 198.0 159.3 238.9





#69

o-Xylene

Concen: 20.053 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion:106 Resp: 122082

Ion Ratio Lower Upper

106 100

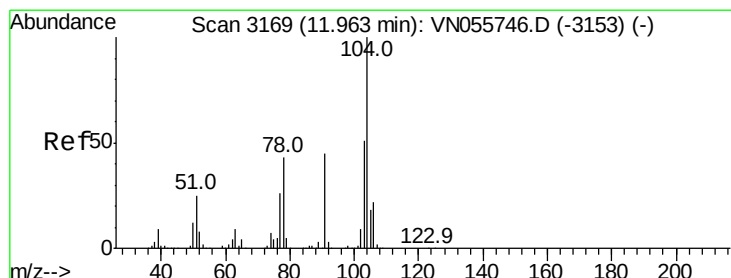
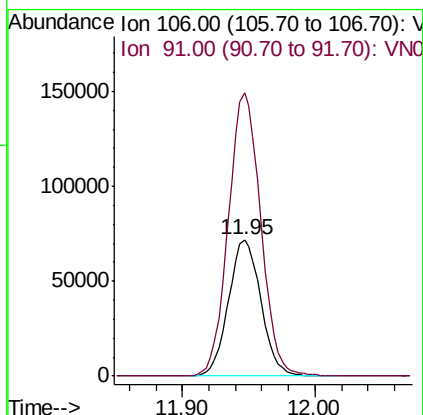
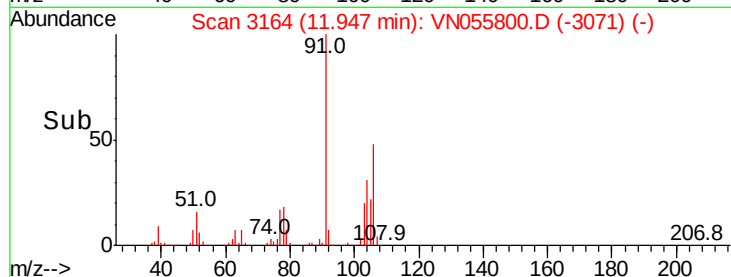
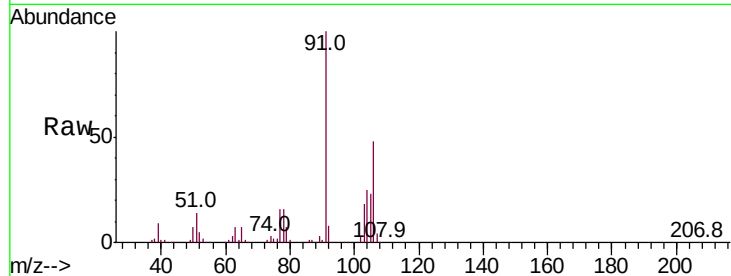
91 207.6 104.7 314.1

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#70

Styrene

Concen: 19.680 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

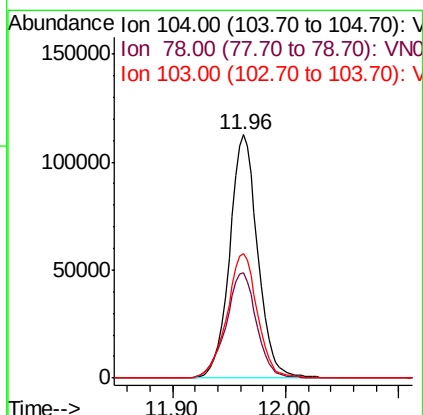
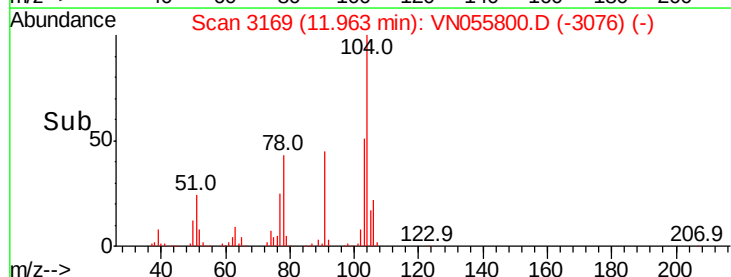
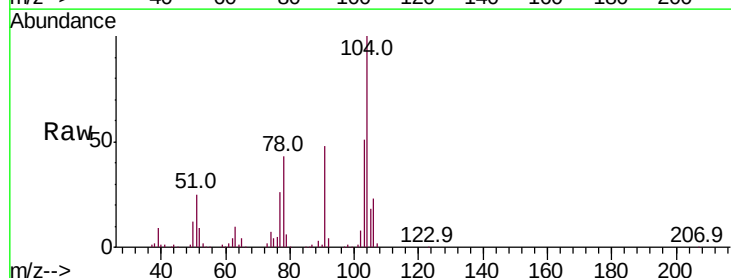
Tgt Ion:104 Resp: 194021

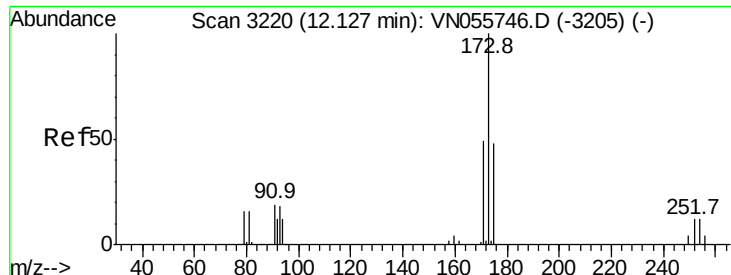
Ion Ratio Lower Upper

104 100

78 47.4 37.8 56.6

103 55.7 44.2 66.2





#71

Bromoform

Concen: 18.704 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion:173 Resp: 57592

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

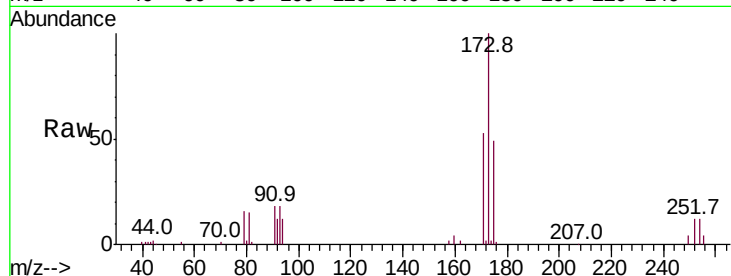
254 0.0 0.0 0.0

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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

12.13

40000

30000

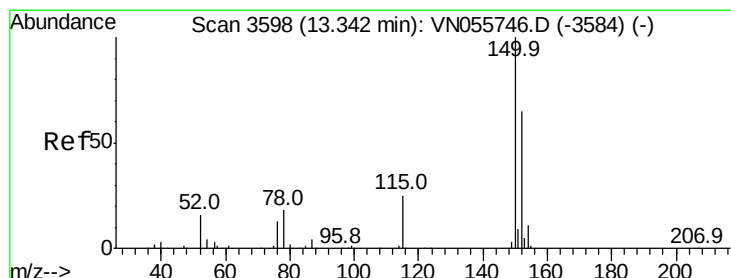
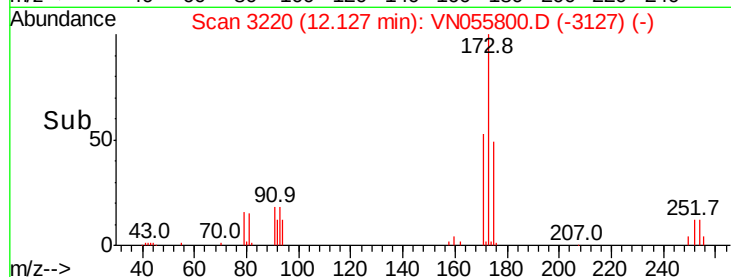
20000

10000

0

Time-->

12.05 12.10 12.15 12.20



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

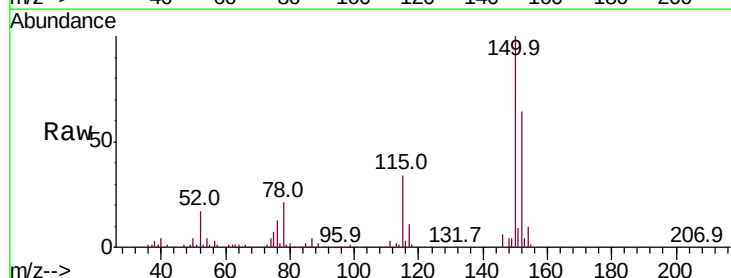
Tgt Ion:152 Resp: 193986

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

150 163.2 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

250000

200000

150000

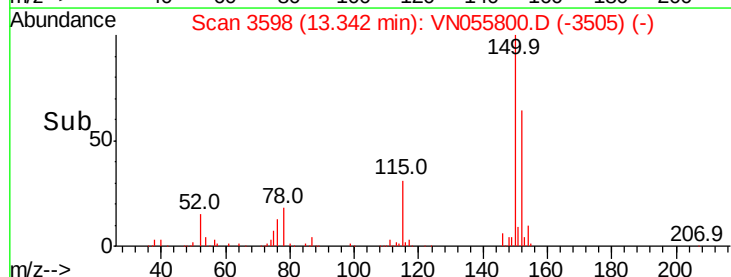
100000

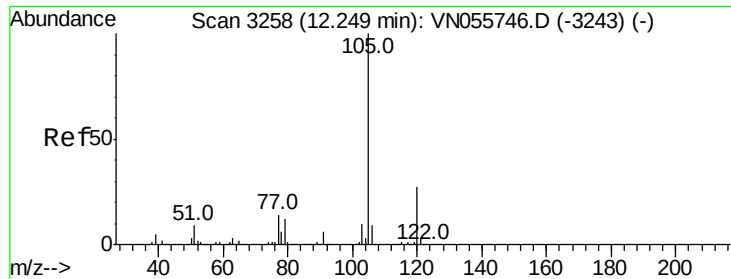
50000

0

Time-->

13.25 13.30 13.35 13.40





#73

Isopropylbenzene

Concen: 21.340 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion:105 Resp: 315569

Ion Ratio Lower Upper

105 100

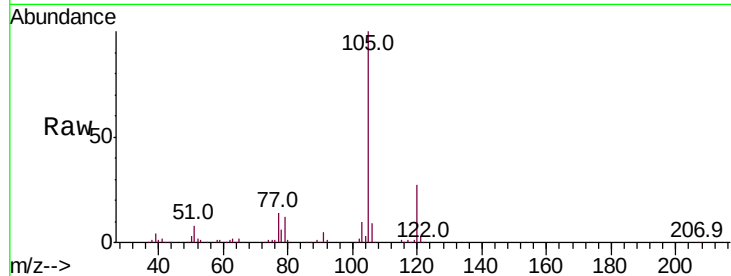
120 27.2 13.6 40.7

Manual Integrations

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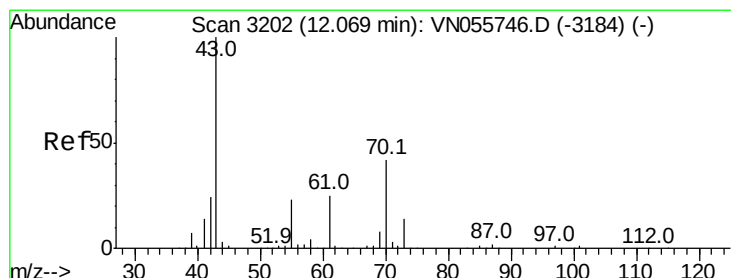
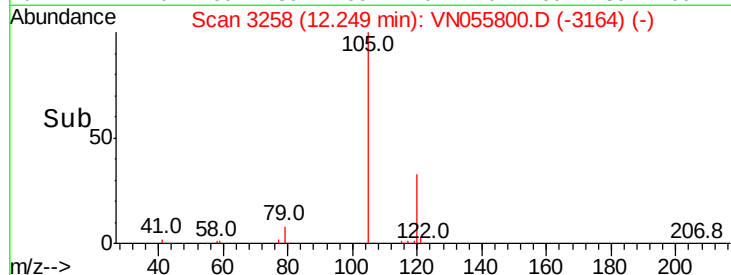
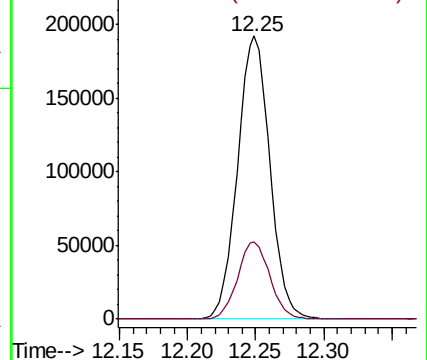
MMDadoda

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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: 20.227 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion: 43 Resp: 113381

Ion Ratio Lower Upper

43 100

70 44.0 34.0 51.0

55 24.2 18.6 28.0

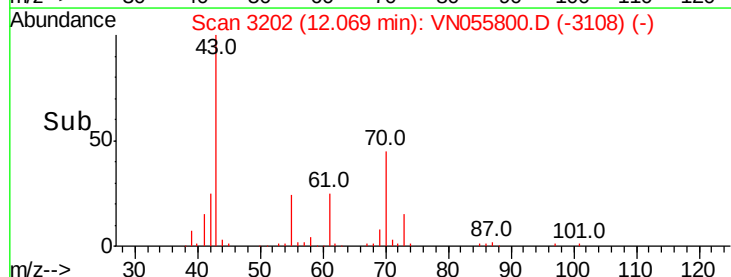
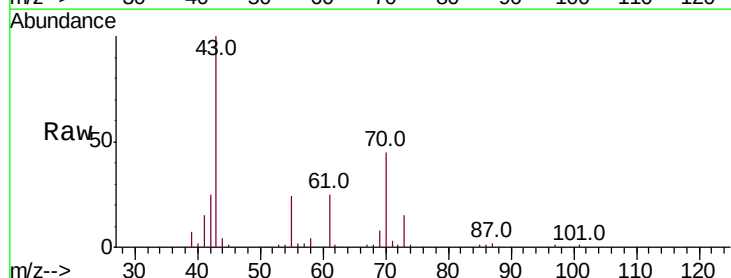
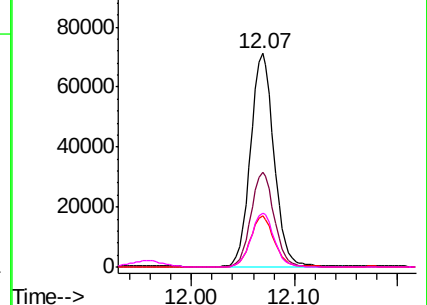
61 24.8 20.0 30.0

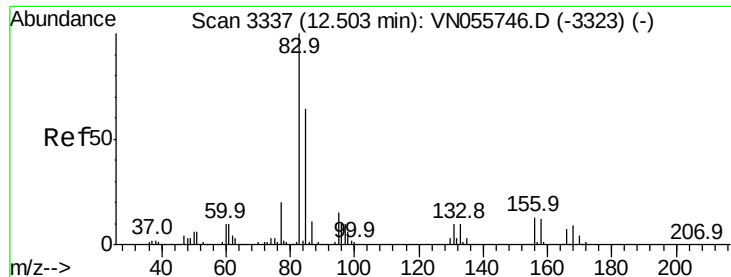
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

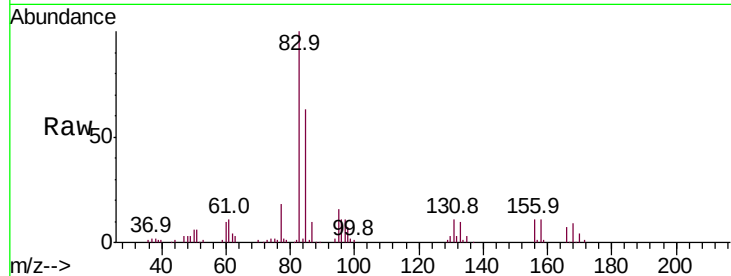
ClientSampled :

VN0524WBS02

Tot Ion:	83	Resp:	95853
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.5	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

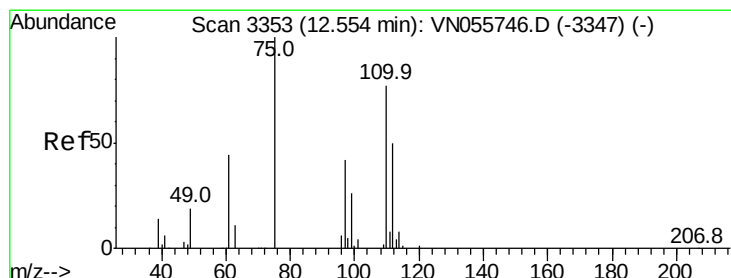
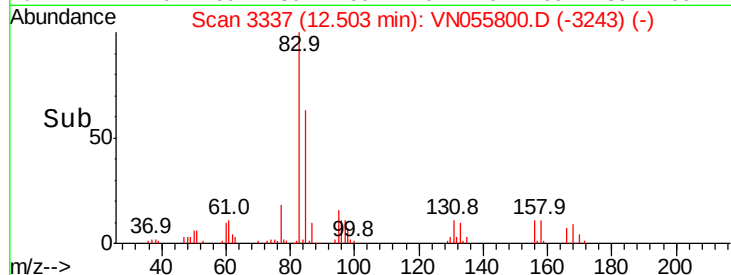
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.596 ug/l m

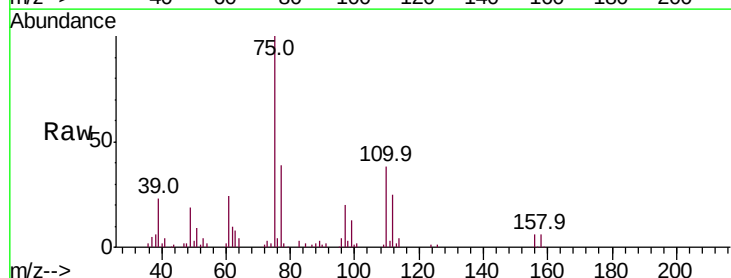
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	75	Resp:	78112
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) (-)

80000

60000

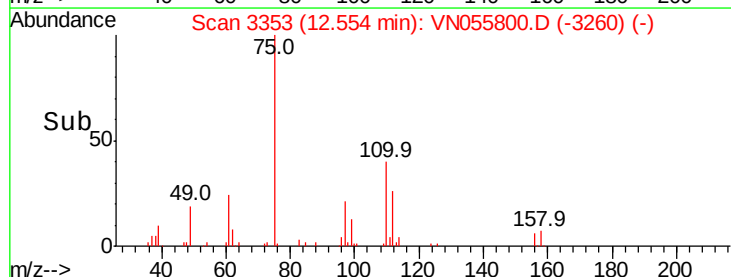
40000

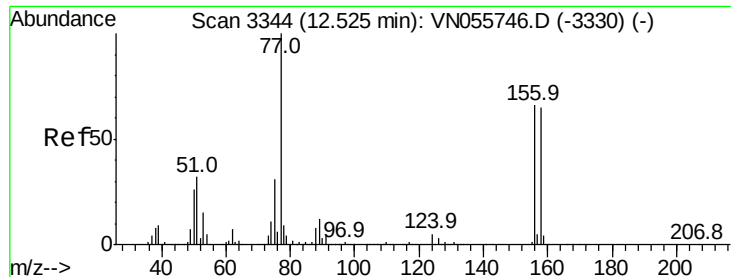
20000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.033 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

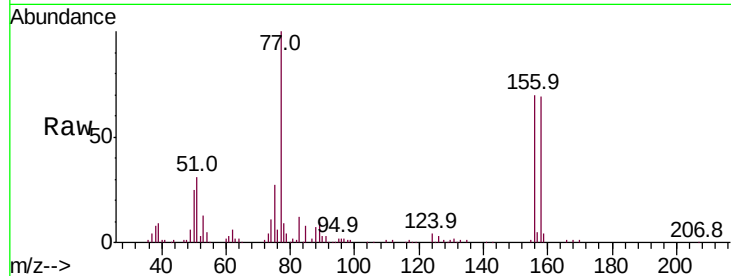
ClientSampleId :

VN0524WBS02

Tot Ion:	156	Resp:	82925
Ion Ratio	Lower	Upper	
156	100		
77	175.0	90.8	272.5
158	98.3	49.3	147.8

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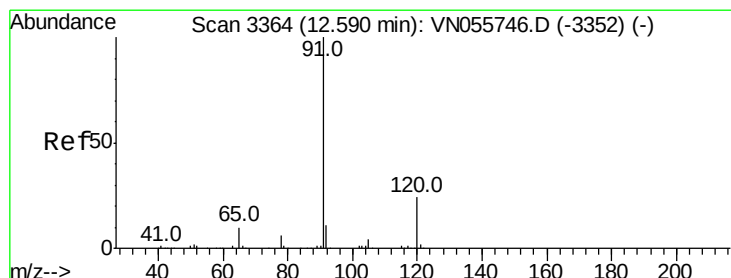
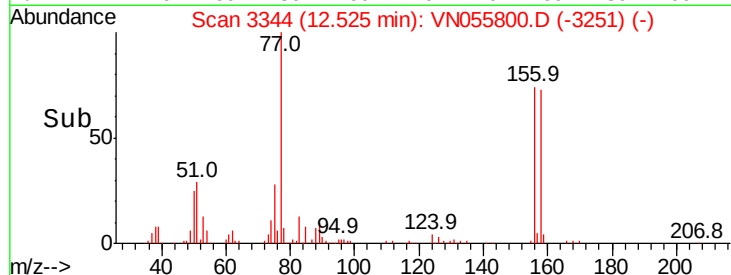
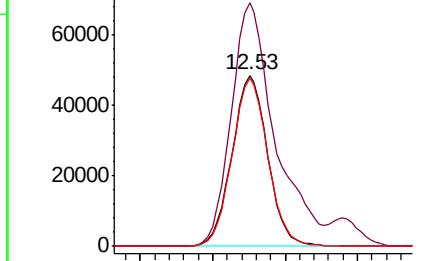
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5/28/2019 10:35:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.049 ug/l

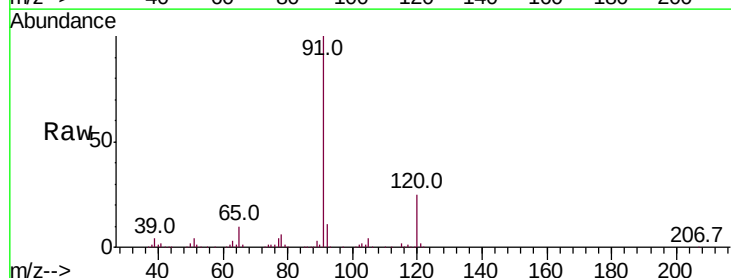
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055800.D

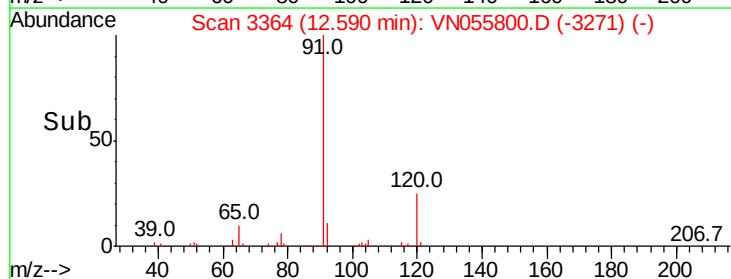
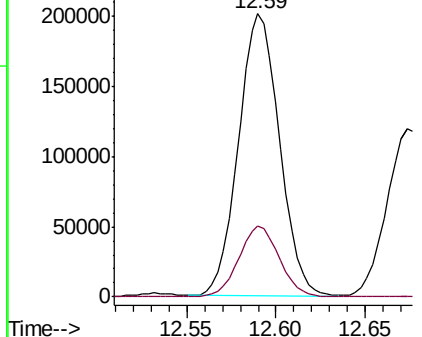
Acq: 24 May 2019 16:58

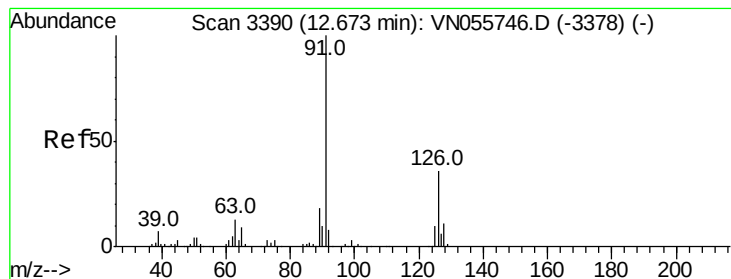
Tgt Ion:	91	Resp:	321174
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.676 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS02

Tot Ion: 91 Resp: 201350

Ion Ratio Lower Upper

91 100

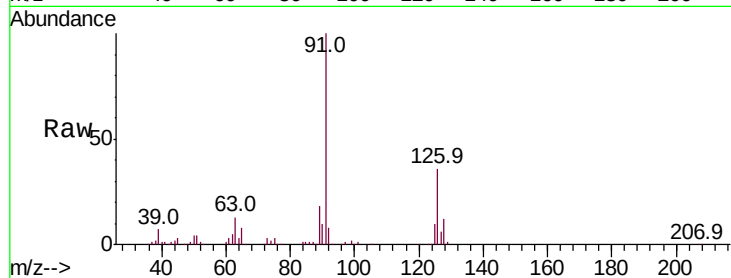
126 36.8 18.1 54.4

Manual Integrations

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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

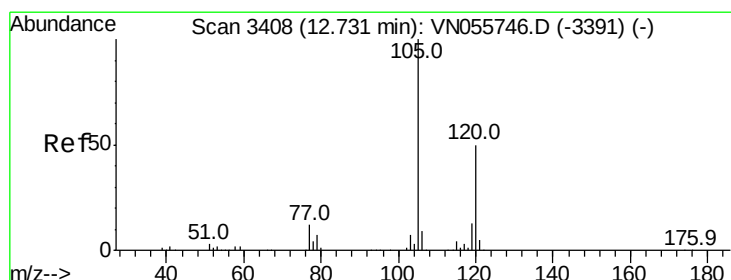
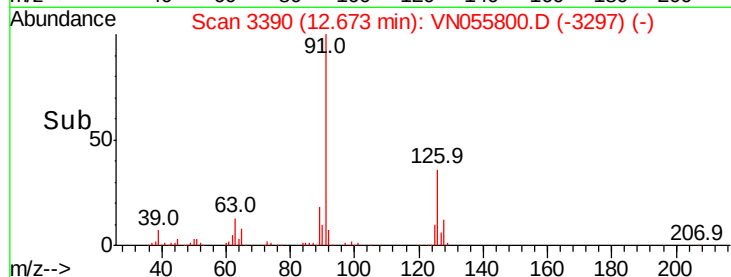
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.603 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055800.D

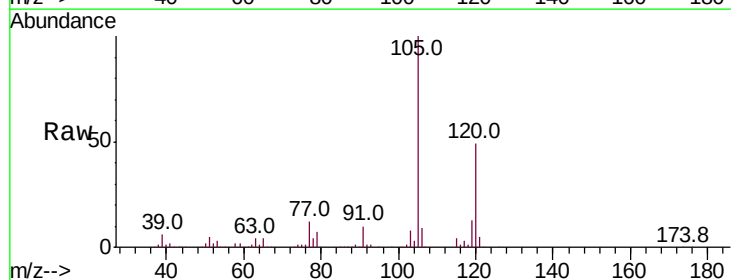
Acq: 24 May 2019 16:58

Tgt Ion:105 Resp: 256790

Ion Ratio Lower Upper

105 100

120 49.7 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) (-)

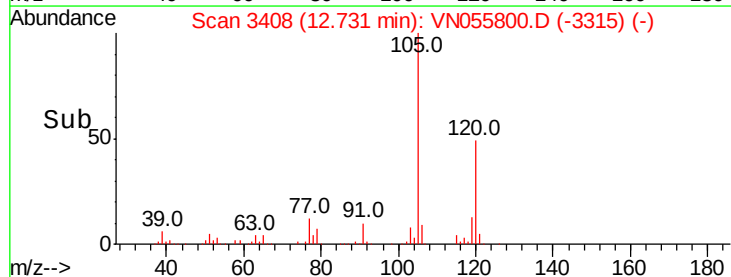
150000

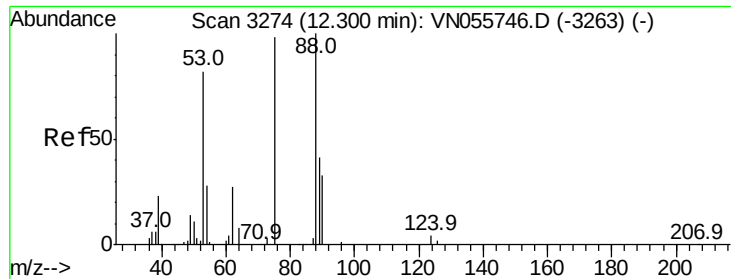
100000

50000

0

Time--> 12.70 12.80





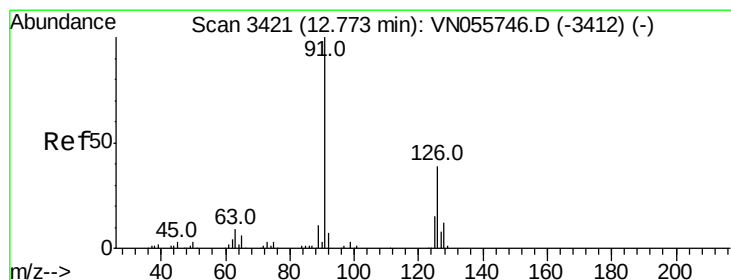
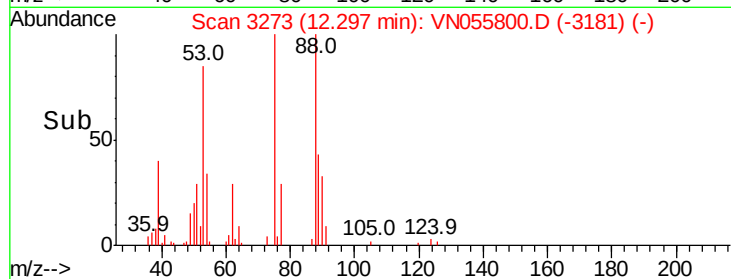
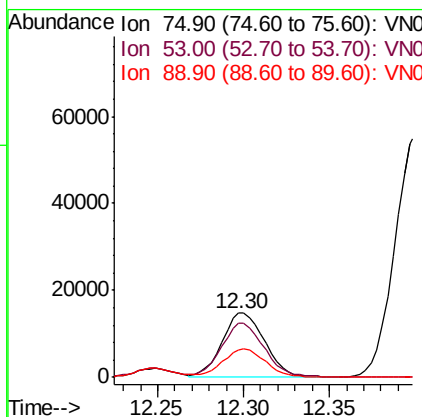
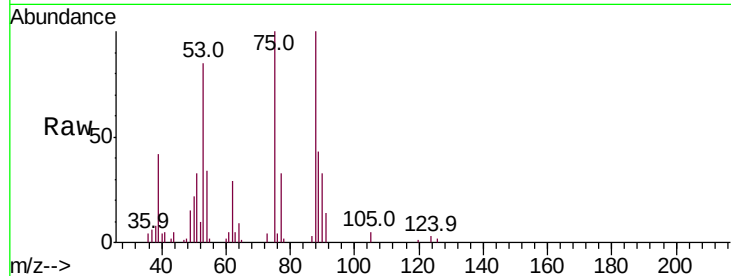
#81
trans-1,4-Dichloro-2-butene
Concen: 17.911 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.8	68.1	102.1
89	44.6	36.9	55.3

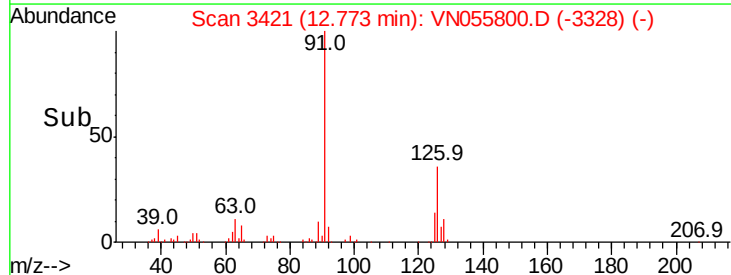
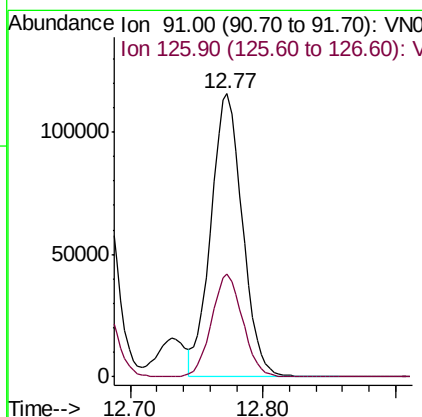
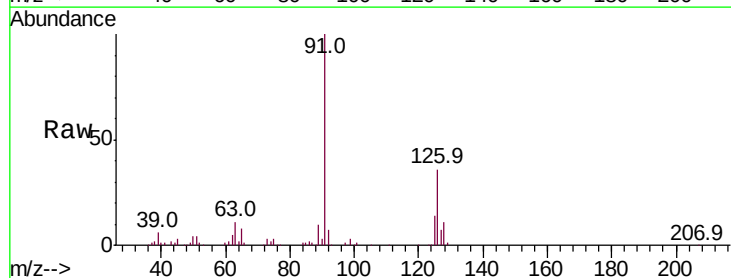
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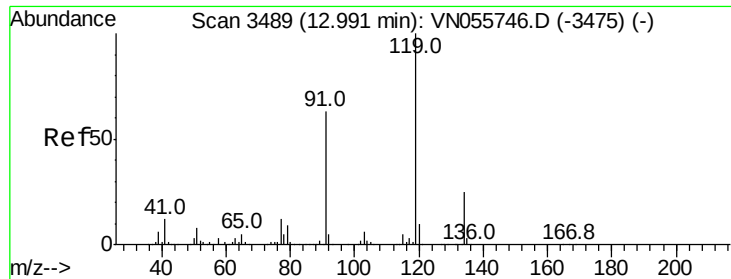
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#82
4-Chlorotoluene
Concen: 19.287 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.196 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Instrument :

MSVOA_N

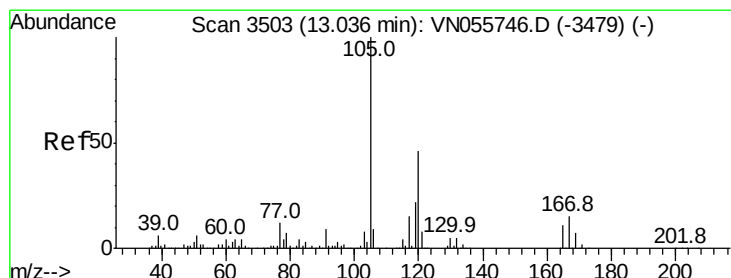
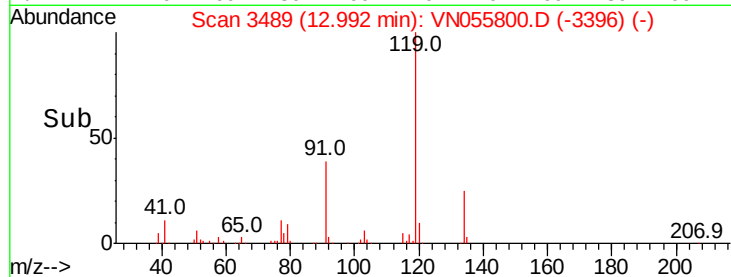
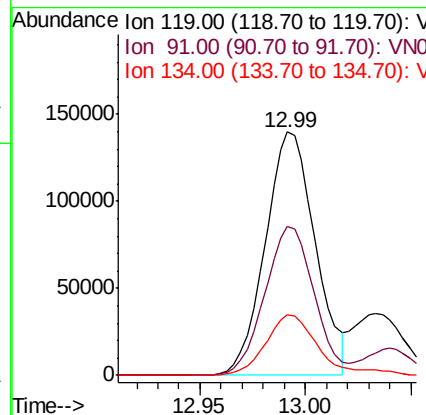
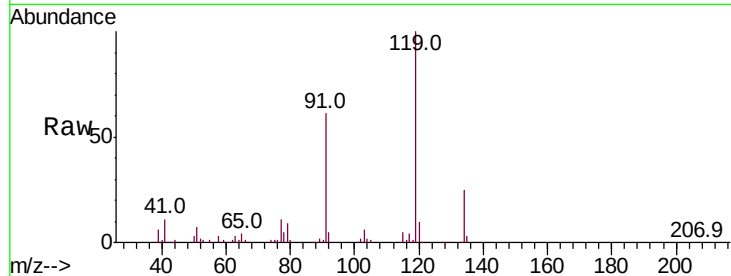
ClientSampleId :

VN0524WBS02

Tot Ion:	119	Resp:	230313
Ion Ratio	Lower	Upper	
119	100		
91	60.5	30.9	92.8
134	26.4	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.580 ug/l

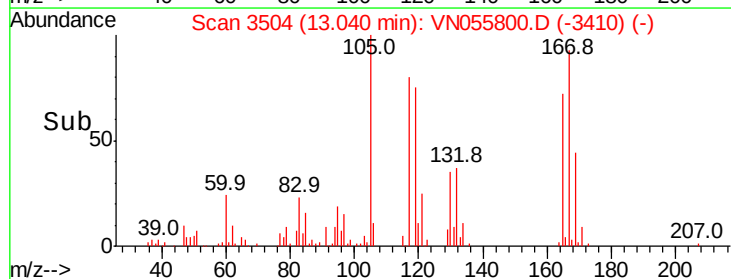
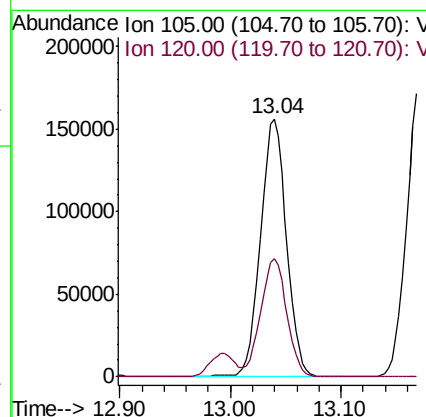
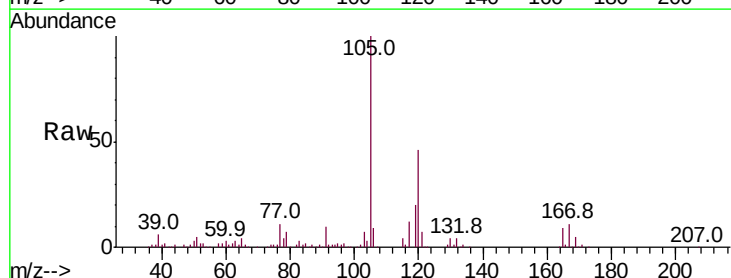
RT: 13.04 min Scan# 3504

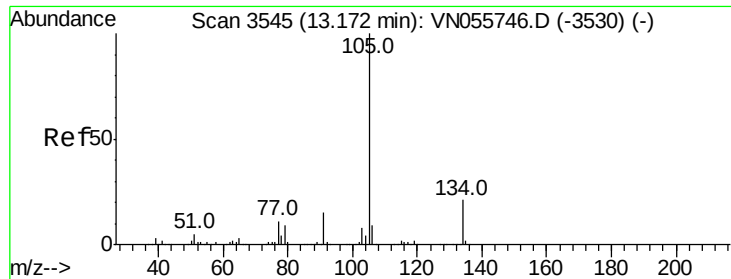
Delta R.T. 0.00 min

Lab File: VN055800.D

Acq: 24 May 2019 16:58

Tgt Ion:	105	Resp:	254618
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.0	69.0





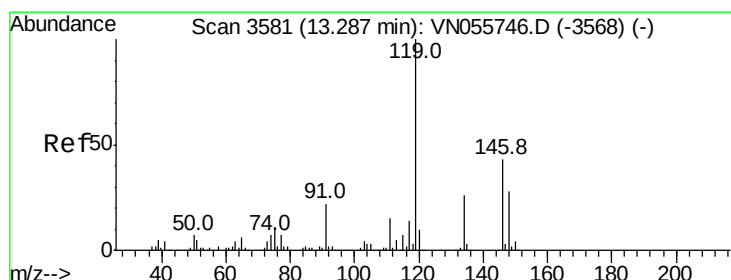
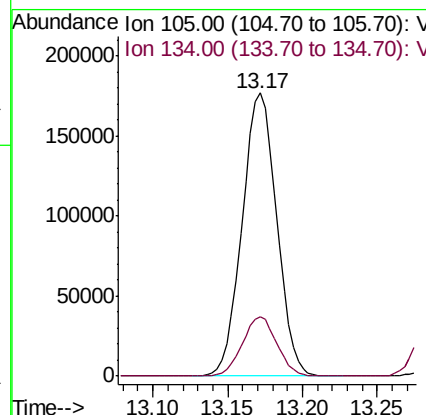
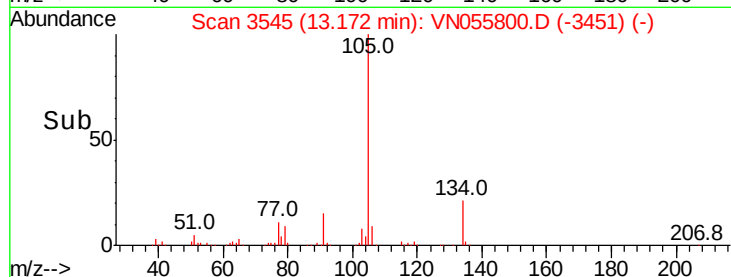
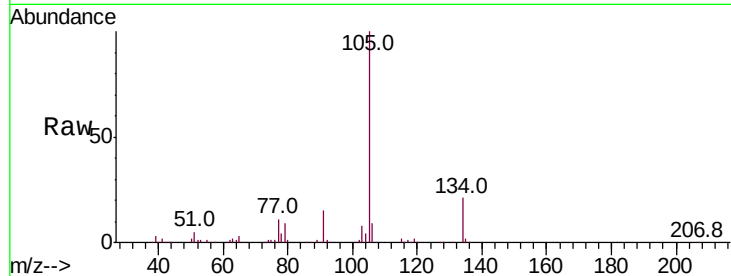
#85
 sec-Butylbenzene
 Concen: 20.382 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

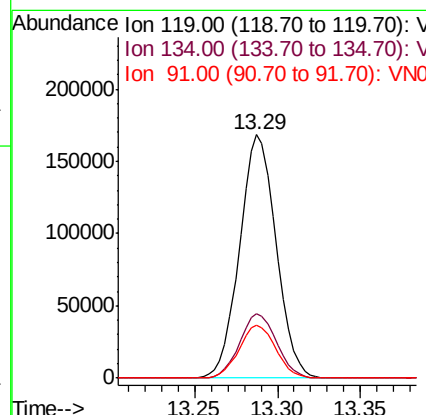
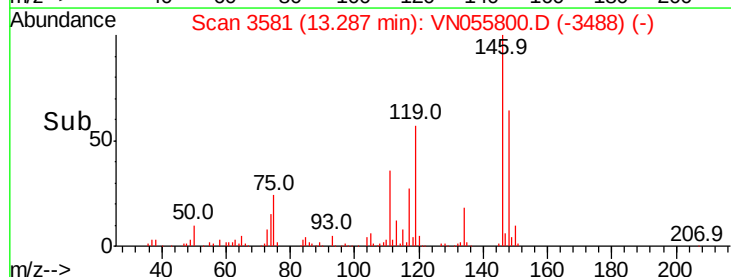
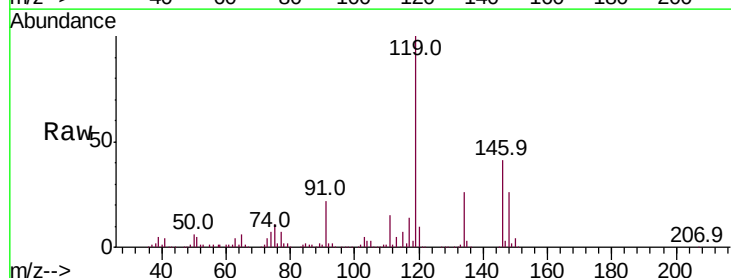
Manual Integrations
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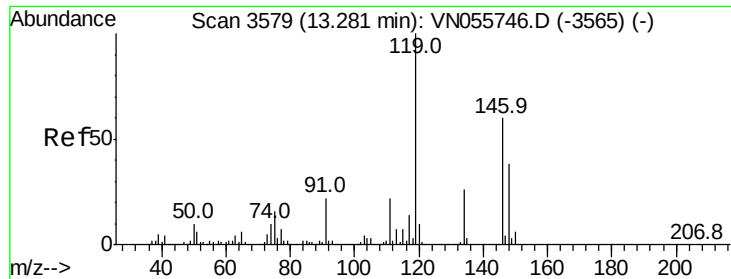
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#86
 p-Isopropyltoluene
 Concen: 19.121 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	21.9	10.9	32.9





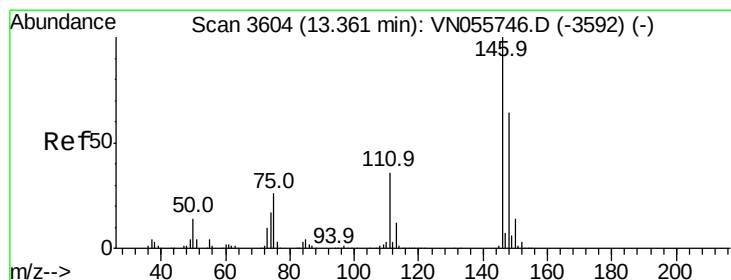
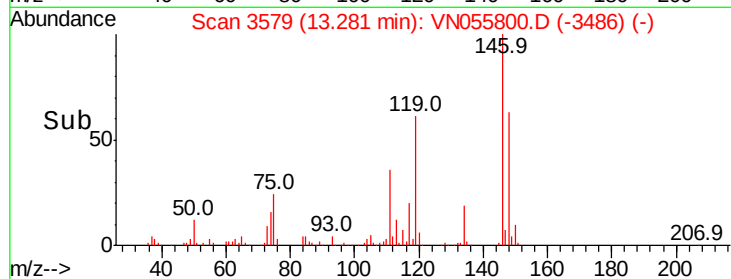
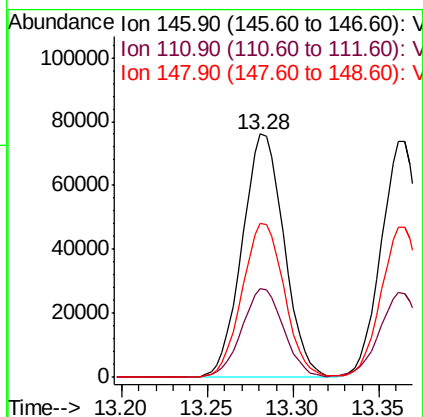
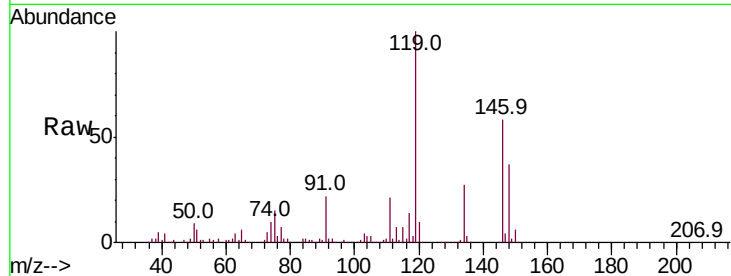
#87
 1,3-Dichlorobenzene
 Concen: 19.664 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	63.6	32.0	96.2

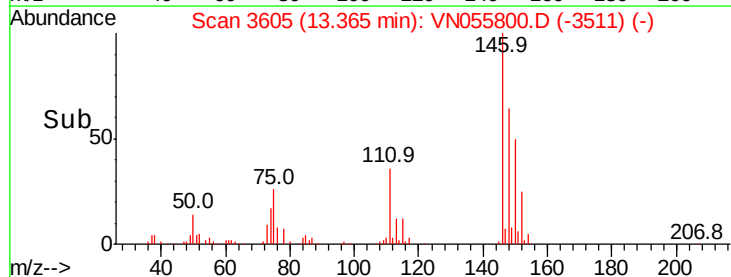
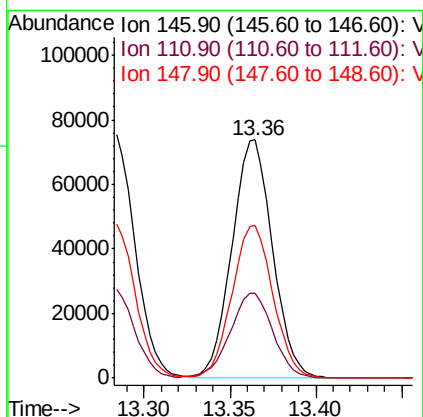
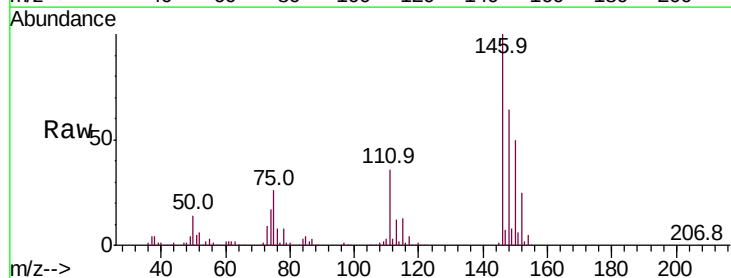
Manual Integrations
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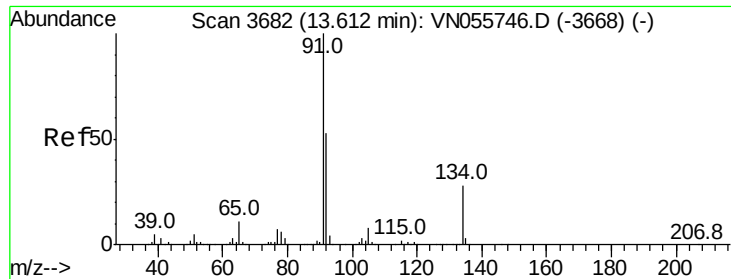
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#88
 1,4-Dichlorobenzene
 Concen: 19.473 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	64.7	32.1	96.5





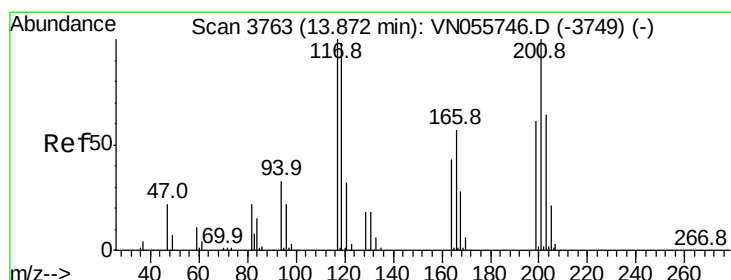
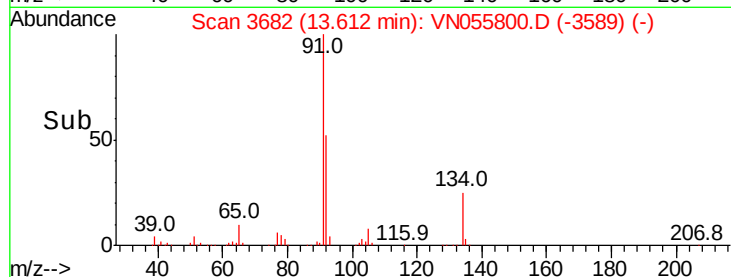
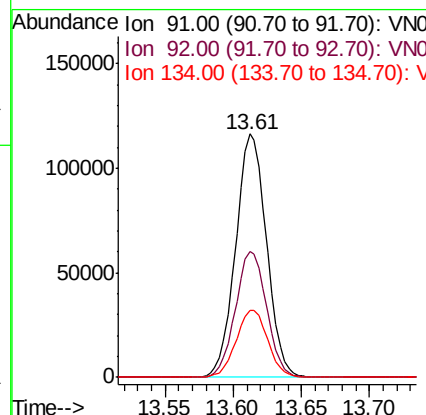
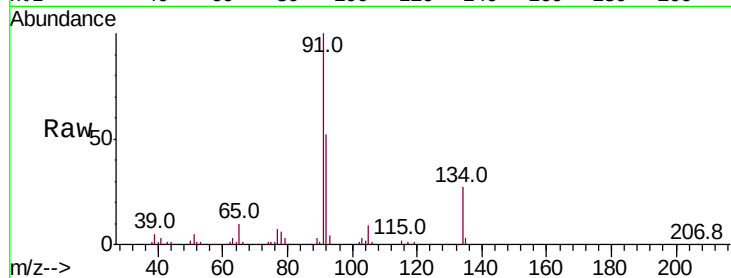
#89
n-Butylbenzene
Concen: 17.696 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	28.2	13.9	41.7

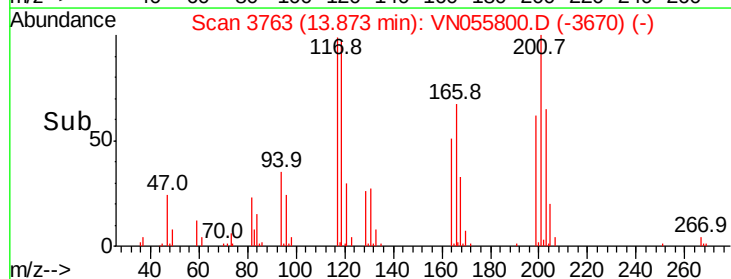
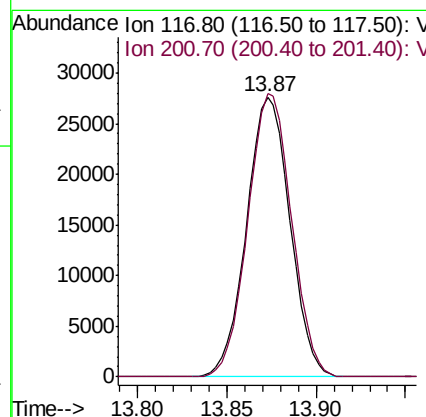
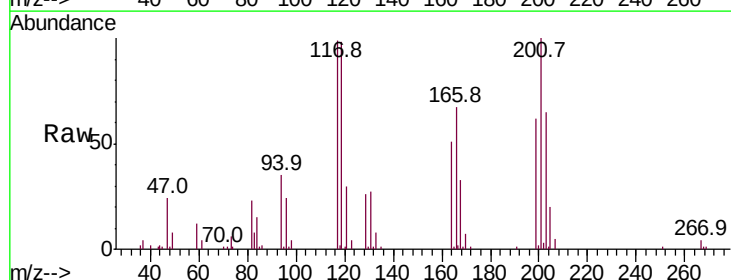
Manual Integrations
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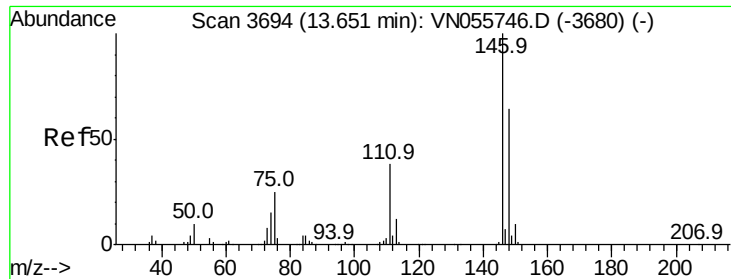
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#90
Hexachloroethane
Concen: 18.319 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.8	50.0	150.0





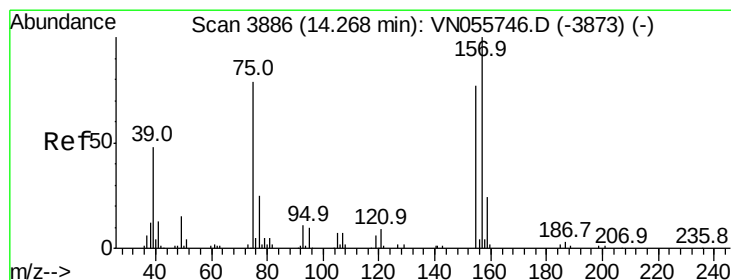
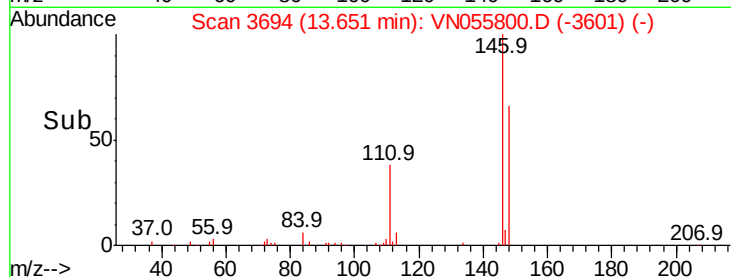
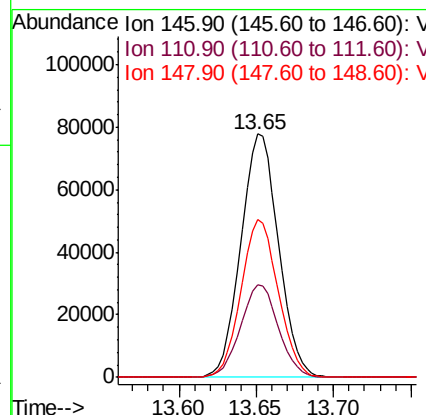
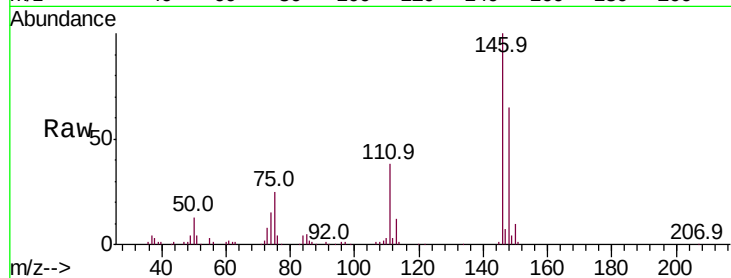
#91
 1,2-Dichlorobenzene
 Concen: 20.105 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.8	31.9	95.9

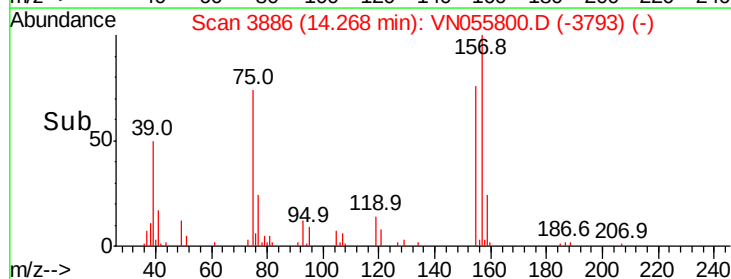
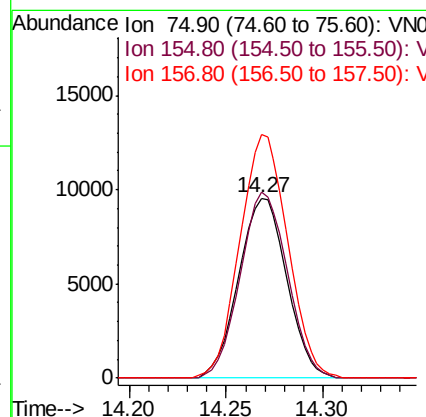
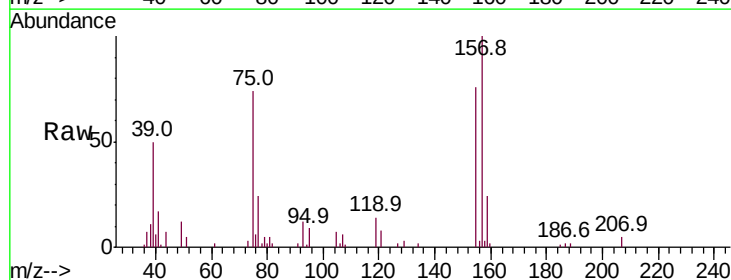
Manual Integrations
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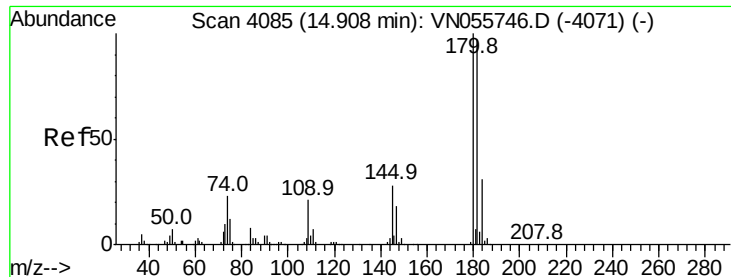
MMDadoda
 5/28/2019 10:35:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.211 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	50.0	150.1
157	134.4	64.8	194.3





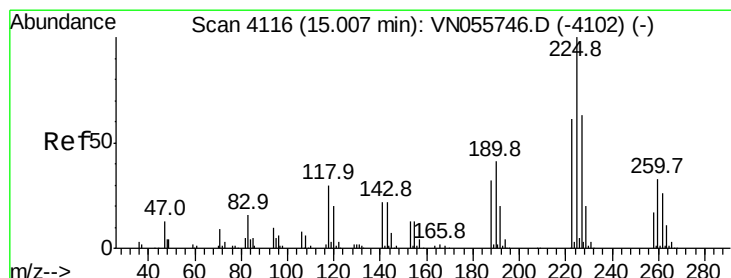
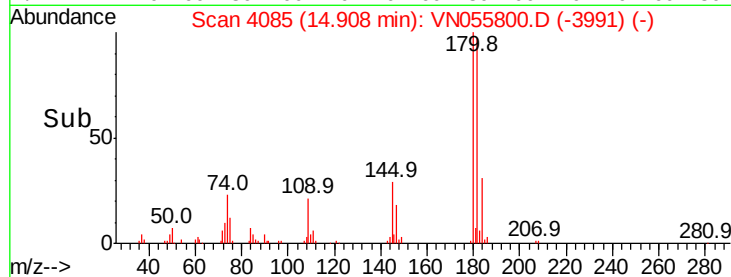
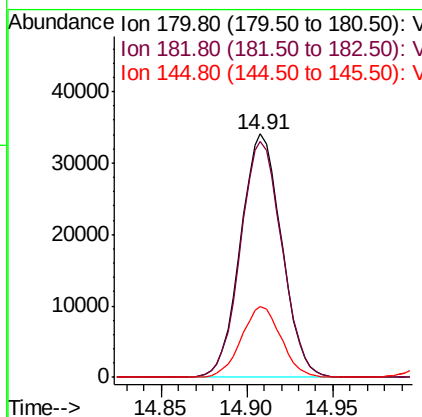
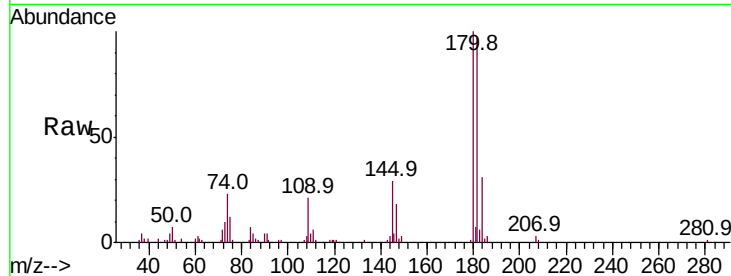
#93
 1,2,4-Trichlorobenzene
 Concen: 17.582 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.5	48.3	144.9	
145	28.1	14.0	41.9	

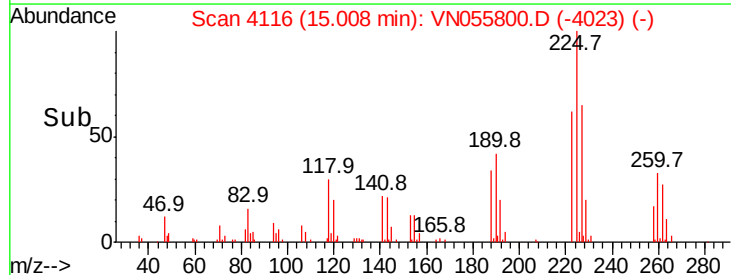
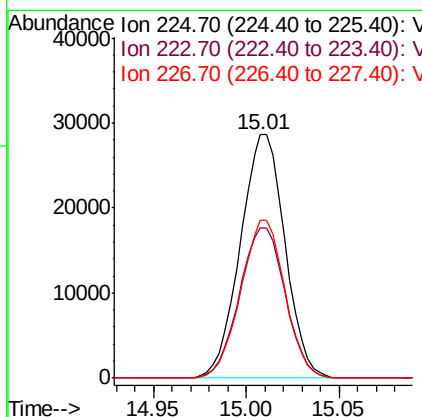
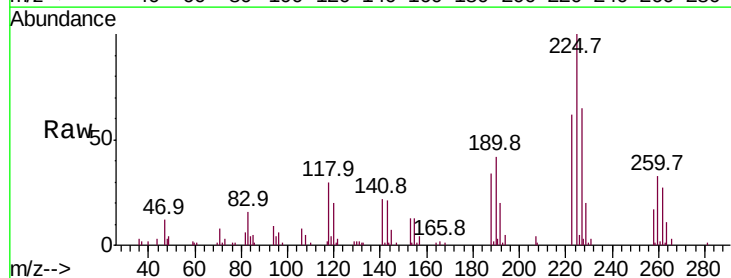
Manual Integrations
 APPROVED

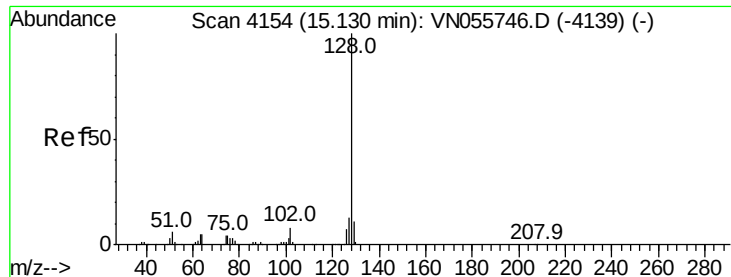
MMDadoda
 5/28/2019 10:35:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.715 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055800.D
 Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.9	92.7	
227	64.4	31.6	94.7	





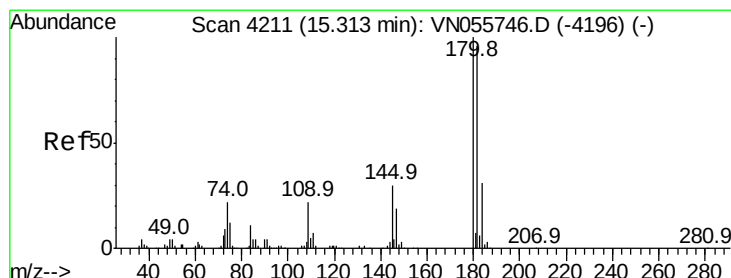
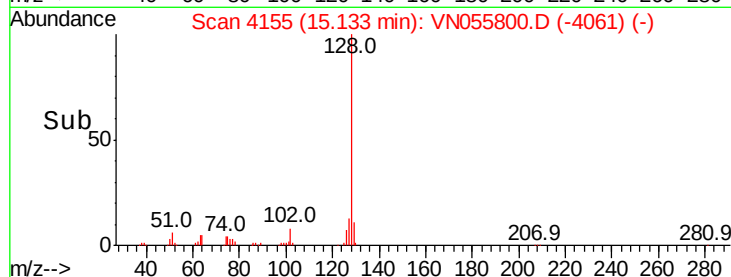
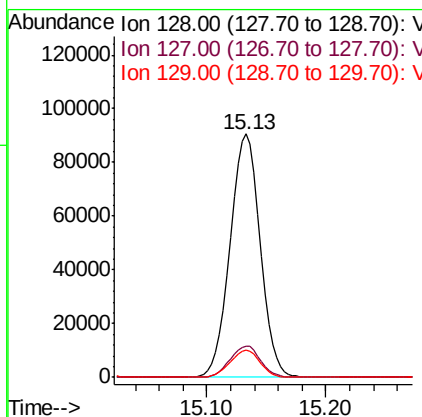
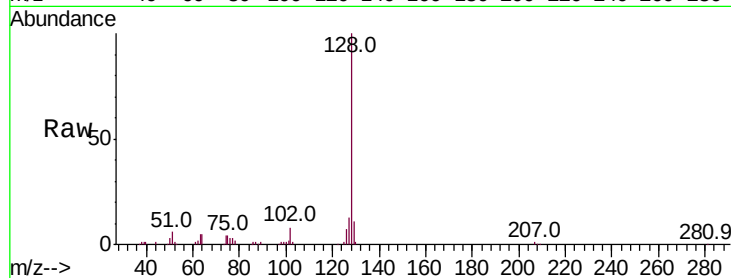
#95
Naphthalene
Concen: 17.725 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 10:35:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.101 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055800.D
Acq: 24 May 2019 16:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	30.3	14.9	44.7

