

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055218.D
 Acq On : 24 Apr 2019 11:04
 Operator : JC/SP
 Sample : VN0424WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:40:02 PM

Quant Time: Apr 25 04:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	654727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	276775	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	219438	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.09	98	800254	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.40	95	251761	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114668	21.503	ug/l	99
3) Chloromethane	2.06	50	129310	19.789	ug/l	99
4) Vinyl Chloride	2.19	62	103168	19.703	ug/l	97
5) Bromomethane	2.56	94	56094	18.473	ug/l	100
6) Chloroethane	2.70	64	53515	19.391	ug/l	100
7) Trichlorofluoromethane	3.02	101	143126	20.087	ug/l	100
8) Diethyl Ether	3.42	74	52893	20.797	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	88747	19.959	ug/l	99
10) Methyl Iodide	3.95	142	124832	20.020	ug/l	100
11) Tert butyl alcohol	4.79	59	36975	112.974	ug/l	98
12) 1,1-Dichloroethene	3.74	96	83305	19.550	ug/l	97
13) Acrolein	3.61	56	44285	96.339	ug/l	96
14) Allyl chloride	4.33	41	169117	20.076	ug/l	100
15) Acrylonitrile	4.99	53	190131	105.927	ug/l	99
16) Acetone	3.82	43	181032	97.684	ug/l	97
17) Carbon Disulfide	4.05	76	224166	18.817	ug/l	100
18) Methyl Acetate	4.33	43	93214	22.794	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	247614	21.017	ug/l	98
20) Methylene Chloride	4.55	84	102344	19.209	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	88928	19.902	ug/l	98
22) Diisopropyl ether	5.95	45	347068	20.669	ug/l	95
23) Vinyl Acetate	5.90	43	1210291	107.259	ug/l	99
24) 1,1-Dichloroethane	5.85	63	180850	20.024	ug/l	99
25) 2-Butanone	6.84	43	248355	103.801	ug/l	98
26) 2,2-Dichloropropane	6.82	77	122368	20.021	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	101338	19.674	ug/l	98
28) Bromochloromethane	7.20	49	94990	20.632	ug/l	99
29) Tetrahydrofuran	7.22	42	160975	109.427	ug/l	100
30) Chloroform	7.37	83	171939	20.013	ug/l	96
31) Cyclohexane	7.66	56	170346	19.348	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	141226	20.461	ug/l	98
36) 1,1-Dichloropropene	7.79	75	124577	20.500	ug/l	99
37) Ethyl Acetate	6.93	43	105466	21.505	ug/l	97
38) Carbon Tetrachloride	7.77	117	117616	20.668	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	140707	19.409	ug/l	98
40) Benzene	8.04	78	386521	20.605	ug/l	98
41) Methacrylonitrile	7.17	41	45060	17.525	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	135531	20.709	ug/l	100
43) Isopropyl Acetate	8.17	43	178705	22.502	ug/l	98
44) Trichloroethene	8.84	130	93566	19.734	ug/l	100
45) 1,2-Dichloropropane	9.12	63	107696	20.338	ug/l	99
46) Dibromomethane	9.21	93	62068	20.476	ug/l	99
47) Bromodichloromethane	9.40	83	123871	20.413	ug/l	97
48) Methyl methacrylate	9.20	41	85136	22.100	ug/l	95
49) 1,4-Dioxane	9.20	88	19326	434.418	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	496023	108.543	ug/l	100
52) Toluene	10.16	92	220635	20.063	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	117047	21.018	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	142642	20.640	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84055	20.732	ug/l	99
56) Ethyl methacrylate	10.43	69	109639	21.708	ug/l	100
57) 1,3-Dichloropropane	10.71	76	146402	20.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	154671	87.171	ug/l	98
59) 2-Hexanone	10.75	43	319893	110.823	ug/l	100
60) Dibromochloromethane	10.90	129	84566	20.250	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80426	21.099	ug/l	98
64) Tetrachloroethene	10.63	164	92092	20.224	ug/l	98
65) Chlorobenzene	11.43	112	224983	19.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85776	20.313	ug/l	99
67) Ethyl Benzene	11.51	91	407066	20.058	ug/l	98
68) m/p-Xylenes	11.62	106	296780	40.772	ug/l	99
69) o-Xylene	11.95	106	147852	20.468	ug/l	100
70) Styrene	11.96	104	234139	20.911	ug/l	99
71) Bromoform	12.13	173	52215	20.721	ug/l #	99
73) Isopropylbenzene	12.25	105	394710	22.128	ug/l	99
74) N-amyl acetate	12.07	43	116017	21.422	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	106817	23.722	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86537m	20.307	ug/l	
77) Bromobenzene	12.53	156	91072	19.639	ug/l	98
78) n-propylbenzene	12.59	91	416824	19.787	ug/l	100
79) 2-Chlorotoluene	12.67	91	262659	19.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	317946	20.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22618	20.120	ug/l	98
82) 4-Chlorotoluene	12.77	91	245082	20.025	ug/l	99
83) tert-Butylbenzene	12.99	119	270227	21.622	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	302871	20.410	ug/l	98
85) sec-Butylbenzene	13.17	105	348585	19.595	ug/l	99
86) p-Isopropyltoluene	13.29	119	291374	19.880	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142289	19.988	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134529	19.410	ug/l	99
89) n-Butylbenzene	13.61	91	213484	19.651	ug/l	97
90) Hexachloroethane	13.87	117	50641	19.482	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	141613	19.368	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12764	20.011	ug/l	97

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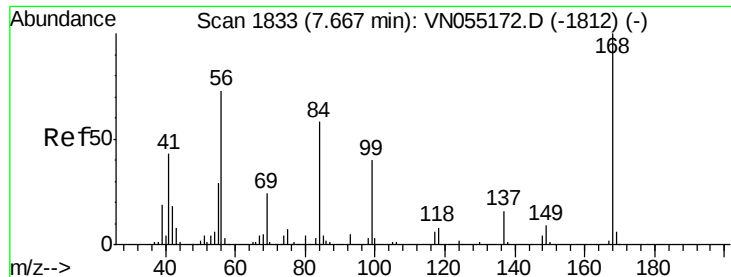
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45700	16.722	ug/l	99
94) Hexachlorobutadiene	15.01	225	46819	20.634	ug/l	100
95) Naphthalene	15.13	128	101965	17.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50340	17.835	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

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ClientSampleId :

VN0424WBS01

Tot Ion:168 Resp: 414179

Ion Ratio Lower Upper

168 100

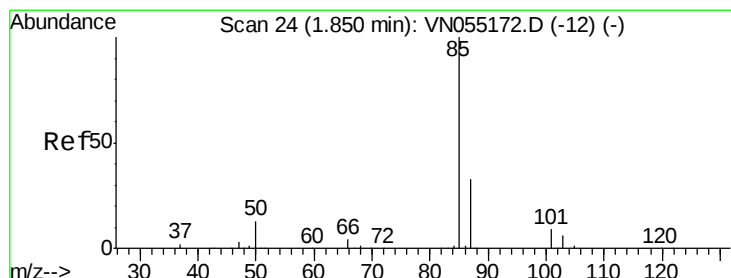
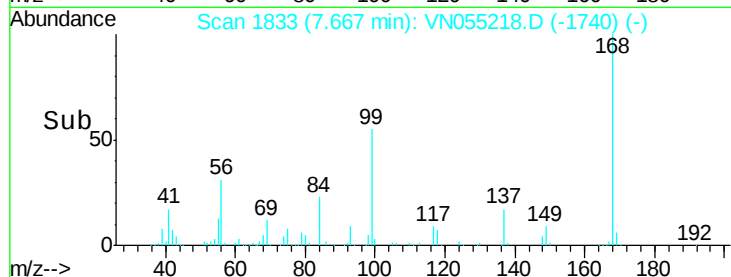
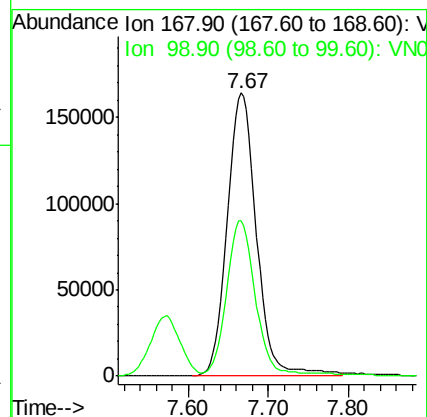
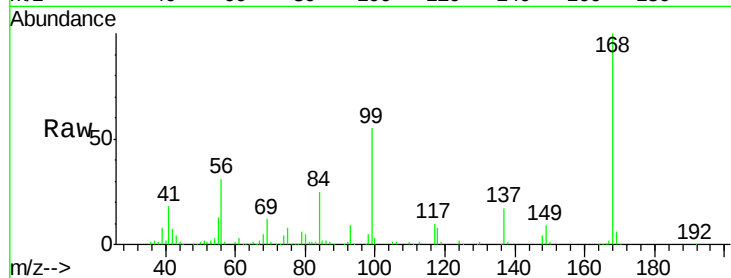
99 54.3 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.503 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055218.D

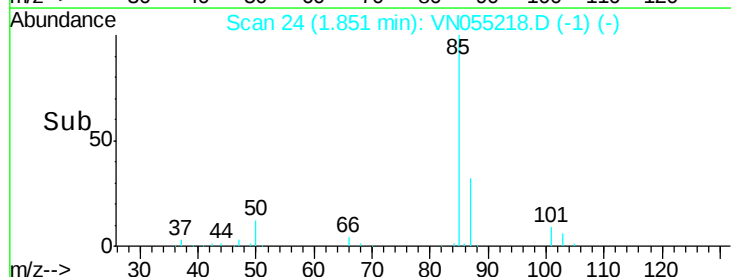
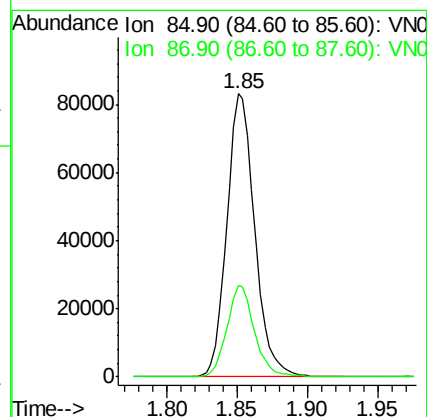
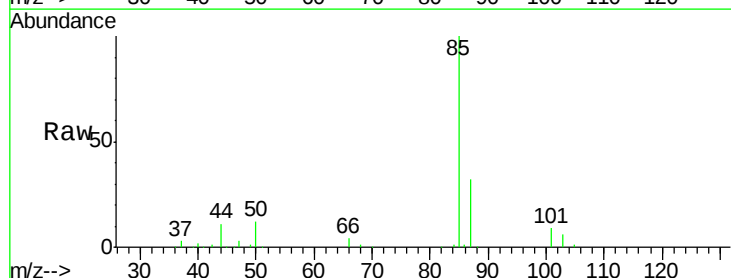
Acq: 24 Apr 2019 11:04

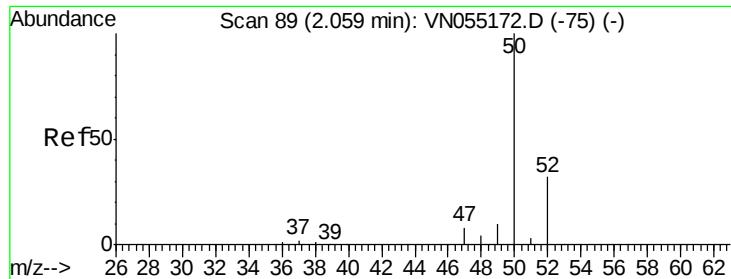
Tgt Ion: 85 Resp: 114668

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1





#3

Chloromethane

Concen: 19.789 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 50 Resp: 129310

Ion Ratio Lower Upper

50 100

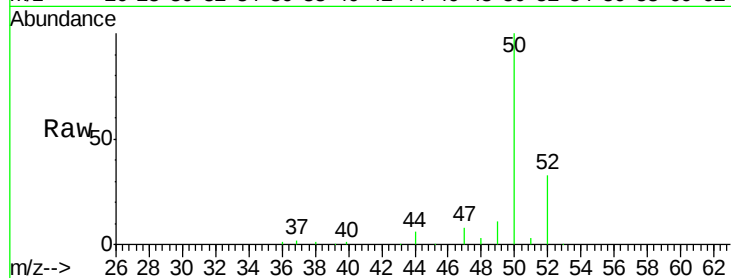
52 32.8 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

80000

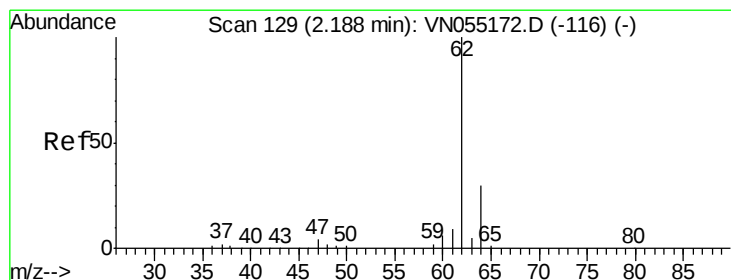
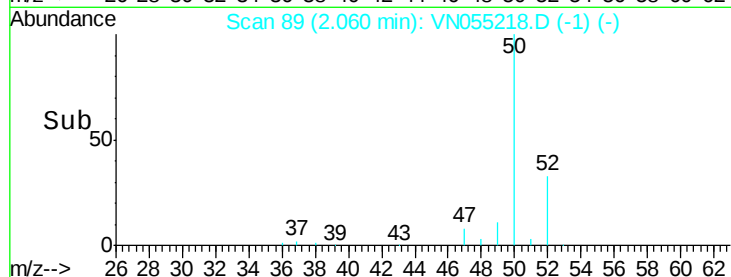
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.703 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055218.D

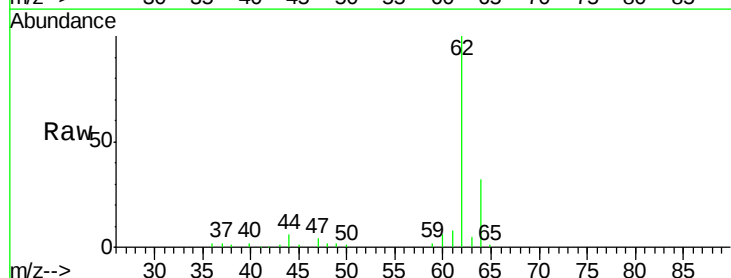
Acq: 24 Apr 2019 11:04

Tgt Ion: 62 Resp: 103168

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

80000

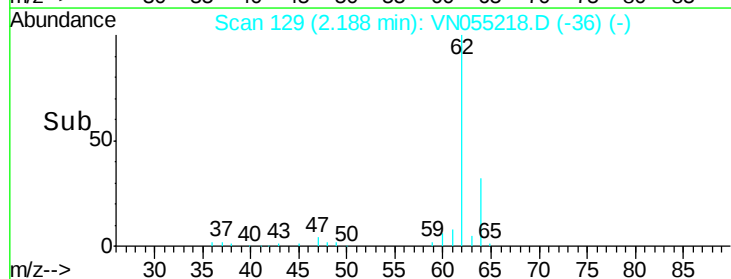
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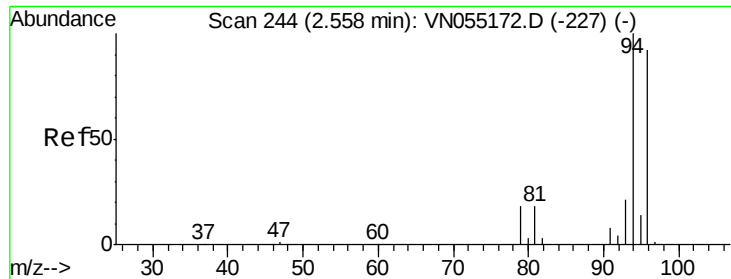
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20000

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Time-->





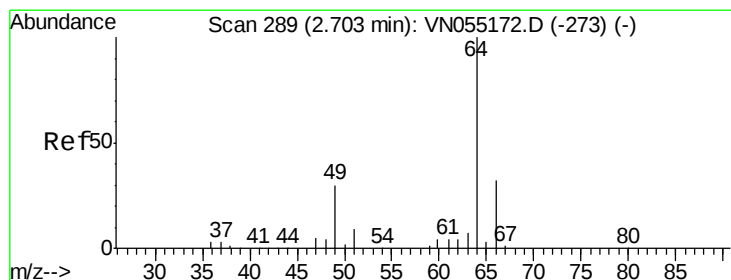
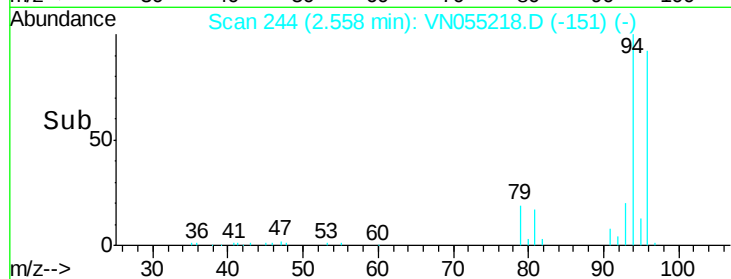
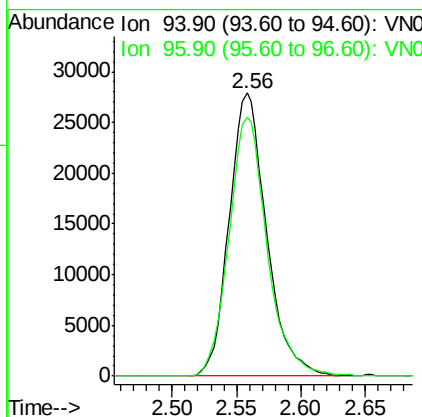
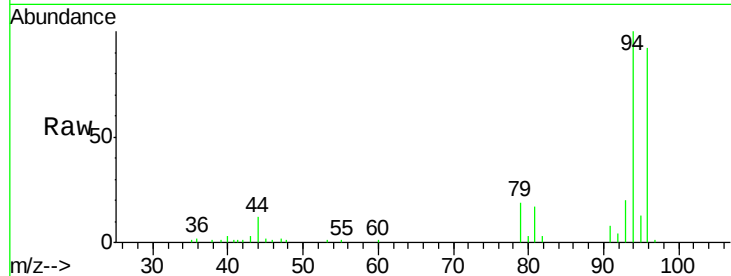
#5
Bromomethane
Concen: 18.473 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion: 94 Resp: 56094
Ion Ratio Lower Upper
94 100
96 91.6 73.4 110.2

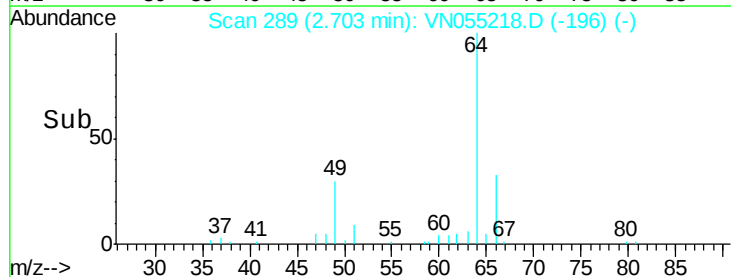
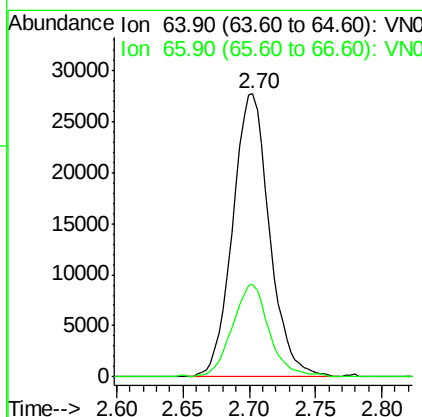
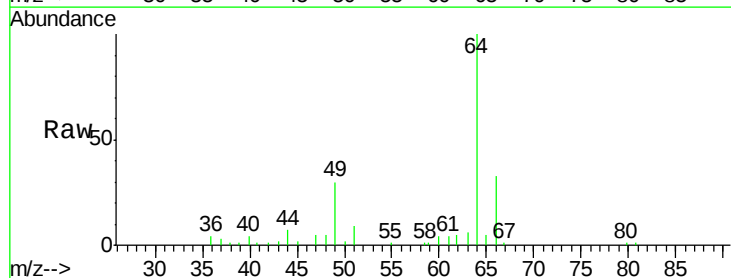
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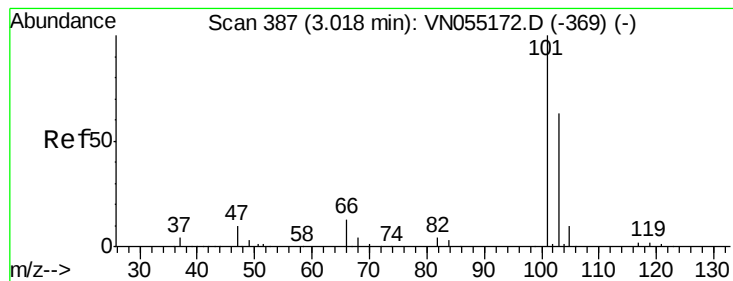
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#6
Chloroethane
Concen: 19.391 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion: 64 Resp: 53515
Ion Ratio Lower Upper
64 100
66 32.6 25.9 38.9





#7

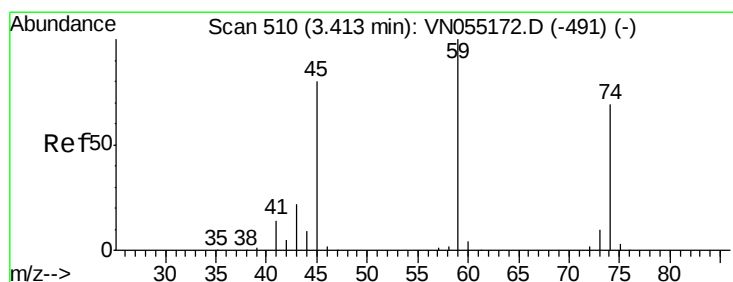
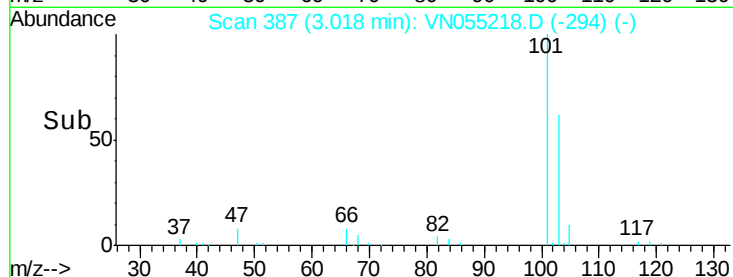
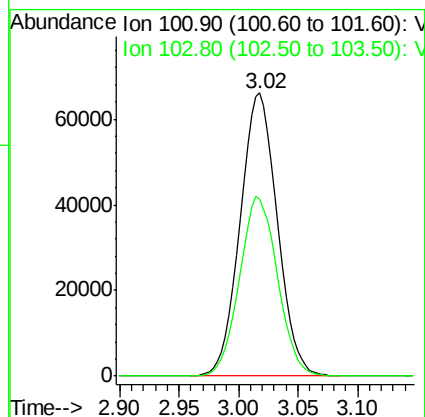
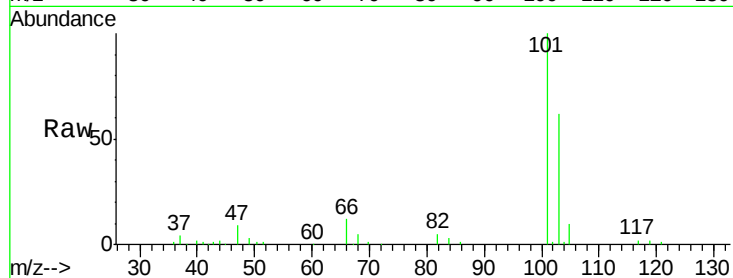
Trichlorofluoromethane
Concen: 20.087 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion:101 Resp: 143126
Ion Ratio Lower Upper
101 100
103 62.4 50.1 75.1

Manual Integrations
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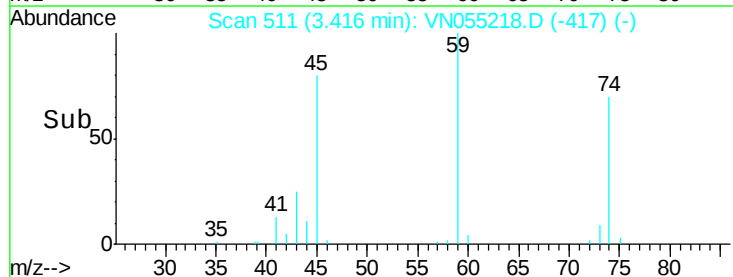
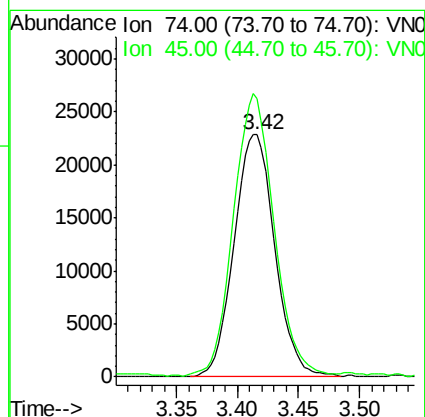
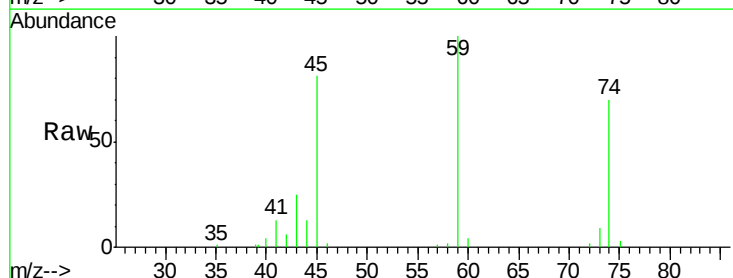
MMDadoda
4/25/2019 12:40:02 PM

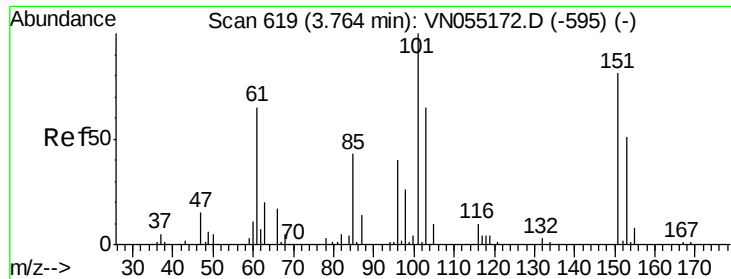


#8

Diethyl Ether
Concen: 20.797 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion: 74 Resp: 52893
Ion Ratio Lower Upper
74 100
45 117.3 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.959 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

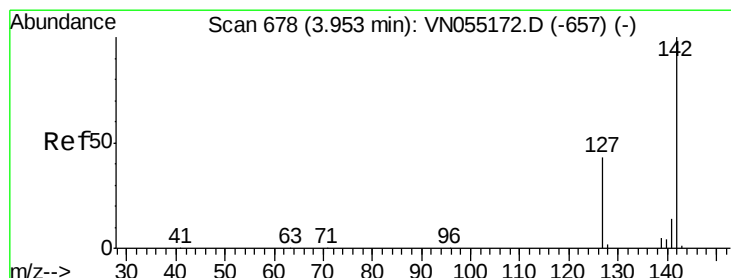
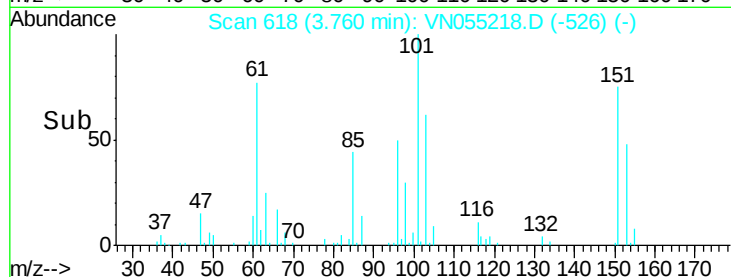
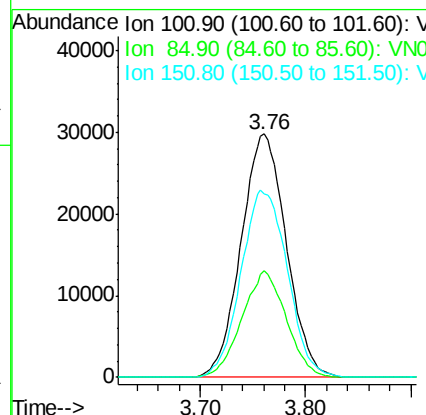
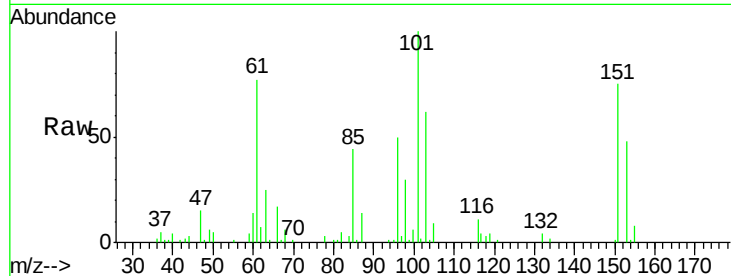
ClientSampleId :

VN0424WBS01

Tot Ion:	101	Resp:	88747
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.9	52.3
151	79.0	63.8	95.8

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#10

Methyl Iodide

Concen: 20.020 ug/l

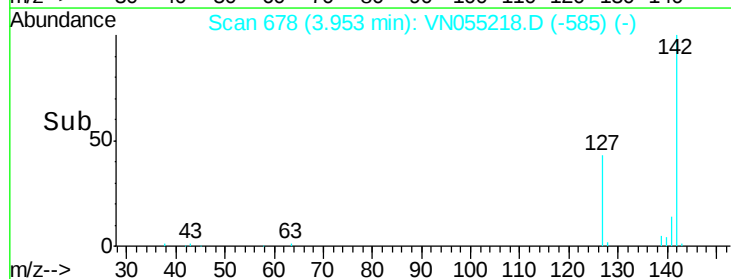
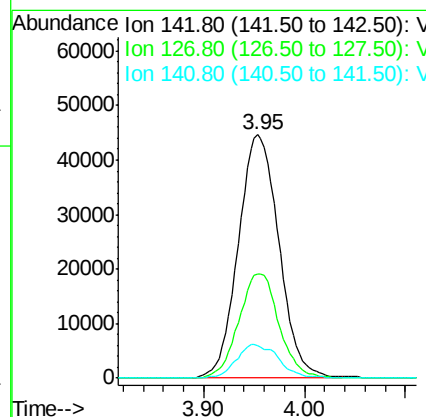
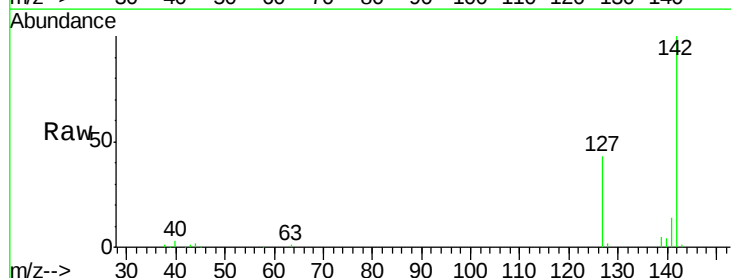
RT: 3.95 min Scan# 678

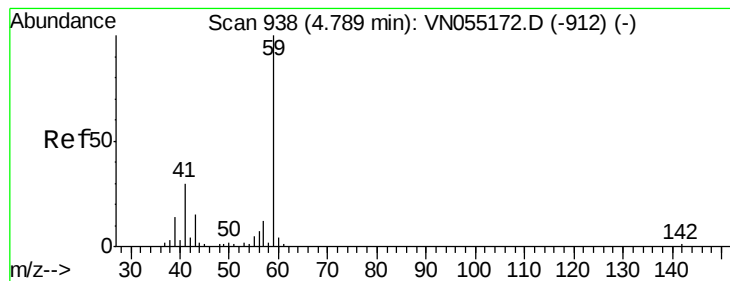
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	142	Resp:	124832
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.1	51.1
141	14.4	11.4	17.2





#11

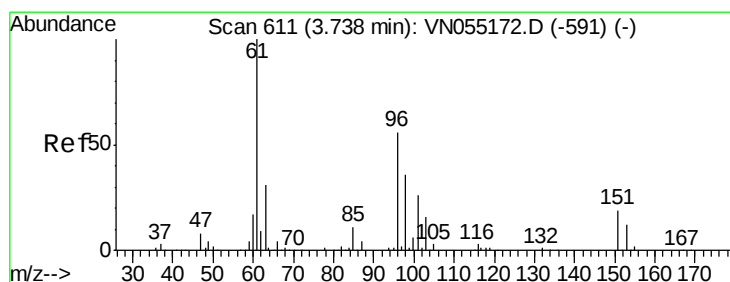
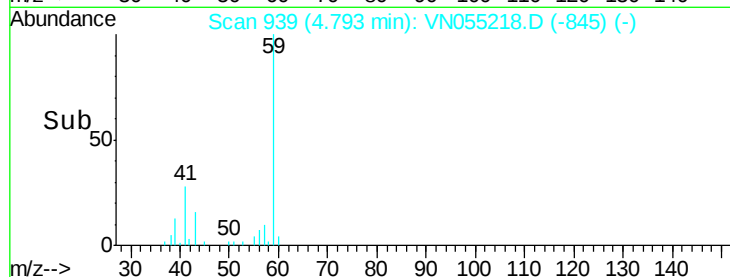
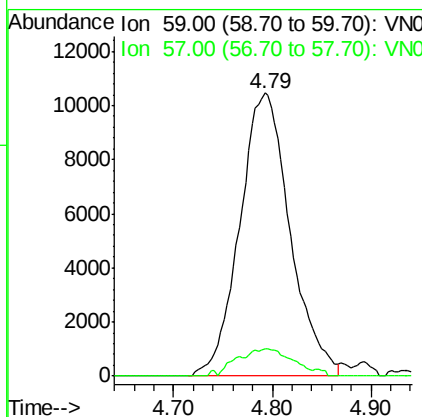
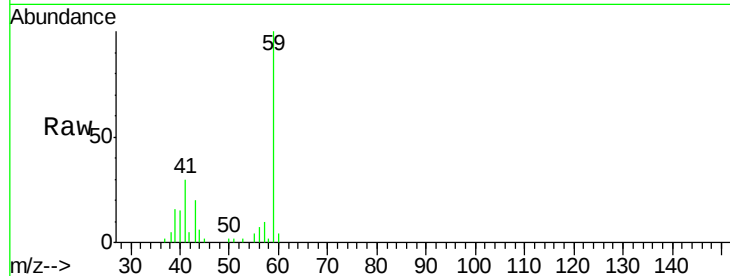
Tert butyl alcohol
Concen: 112.974 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

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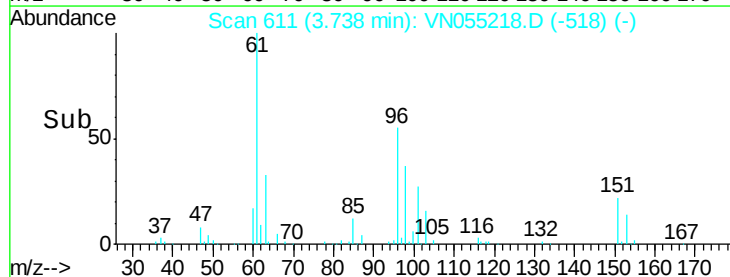
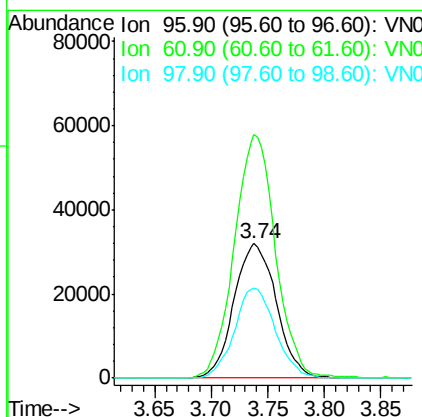
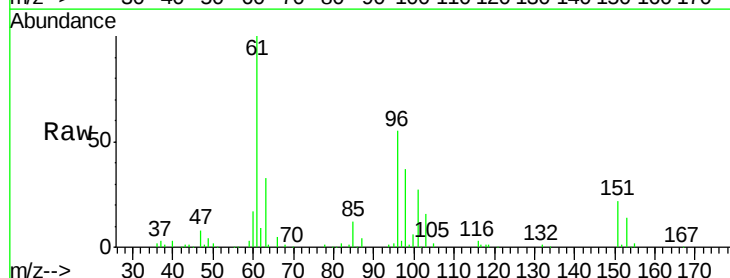
MMDadoda
4/25/2019 12:40:02 PM

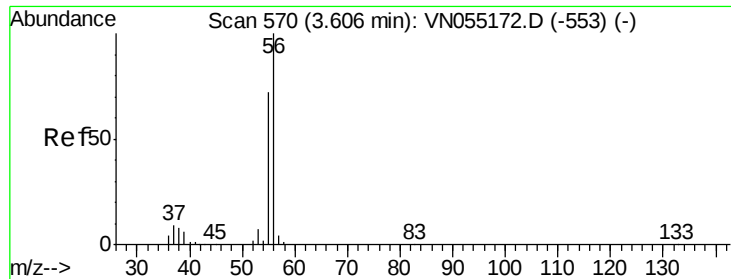


#12

1,1-Dichloroethene
Concen: 19.550 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	142.1	213.1
98	66.9	51.2	76.8





#13

Acrolein

Concen: 96.339 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 56 Resp: 44285

Ion Ratio Lower Upper

56 100

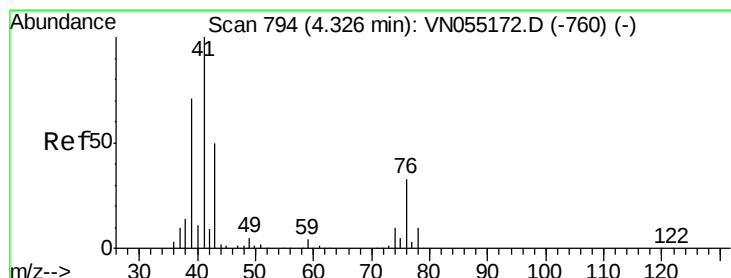
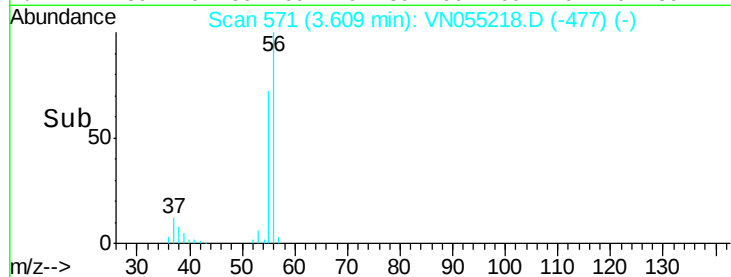
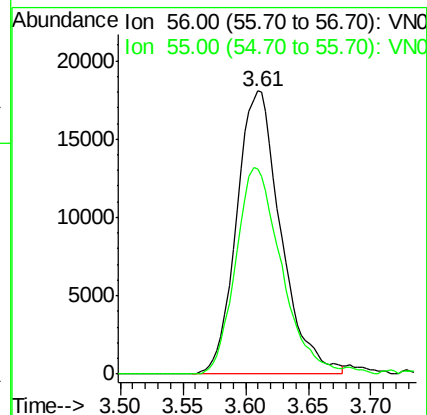
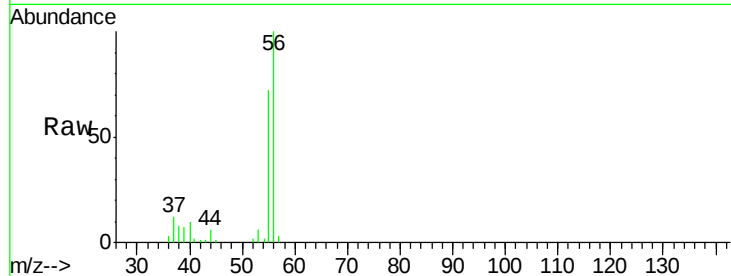
55 75.3 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.076 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

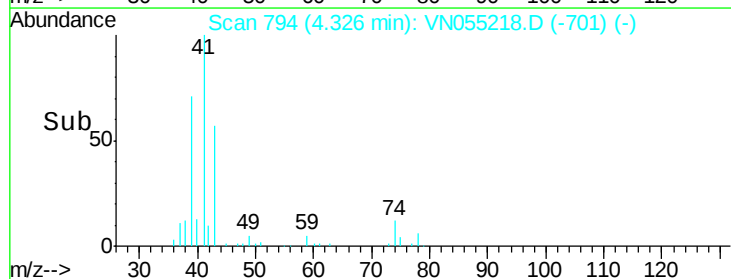
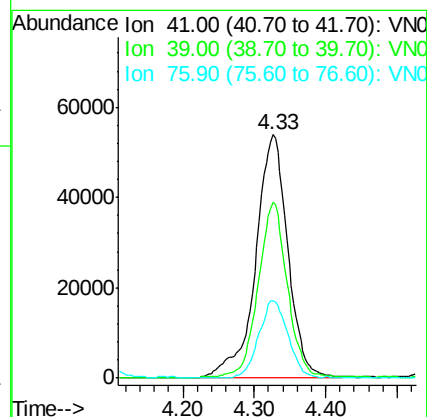
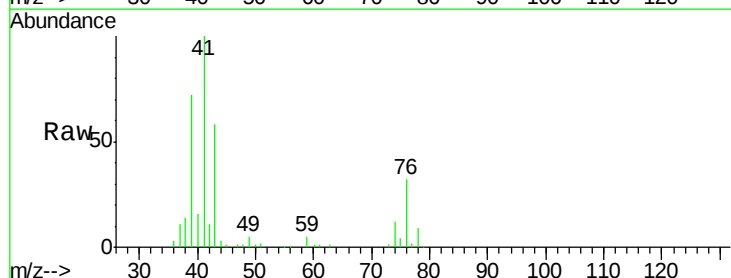
Tgt Ion: 41 Resp: 169117

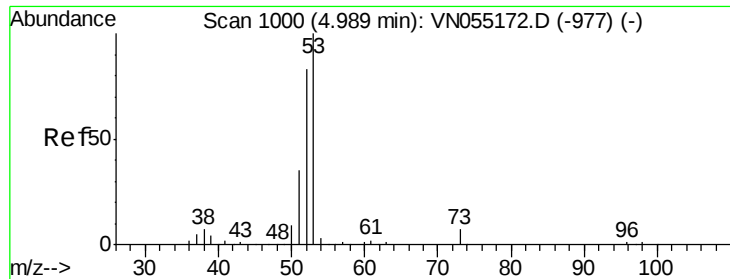
Ion Ratio Lower Upper

41 100

39 66.1 52.9 79.3

76 28.8 23.6 35.4





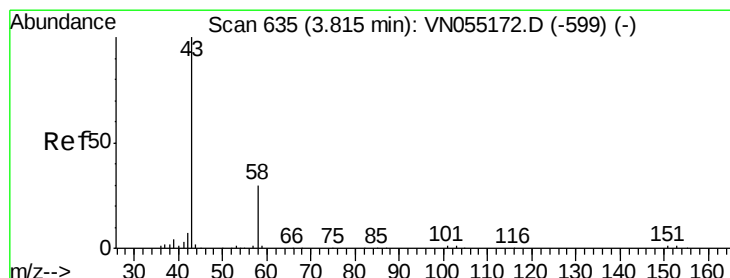
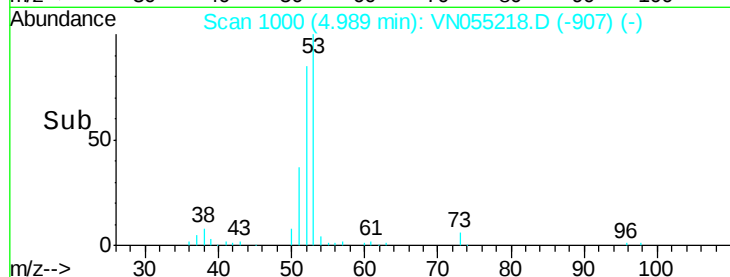
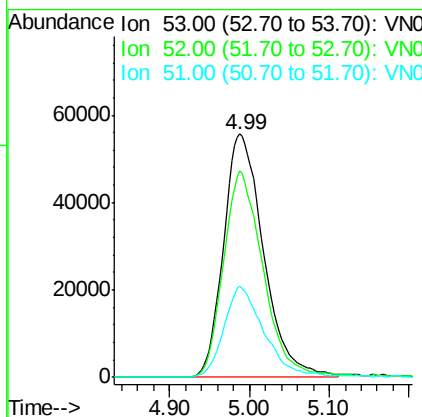
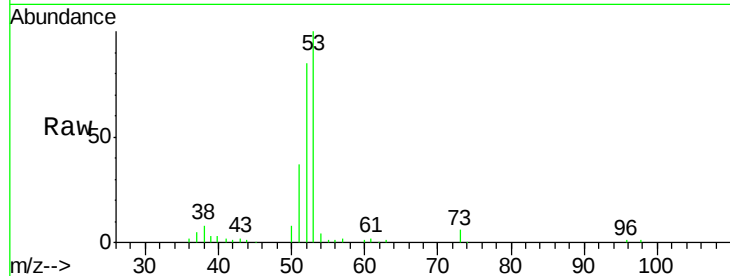
#15
 Acrylonitrile
 Concen: 105.927 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion:	53	Resp:	190131
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.8	98.8
51	37.3	28.9	43.3

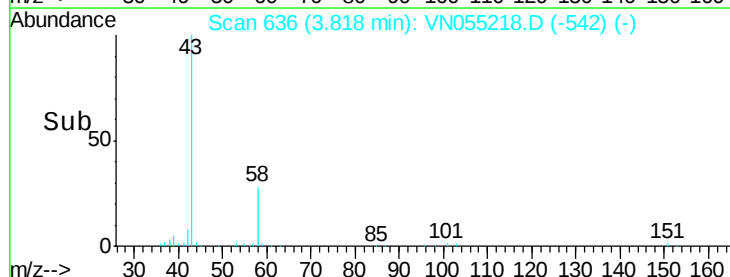
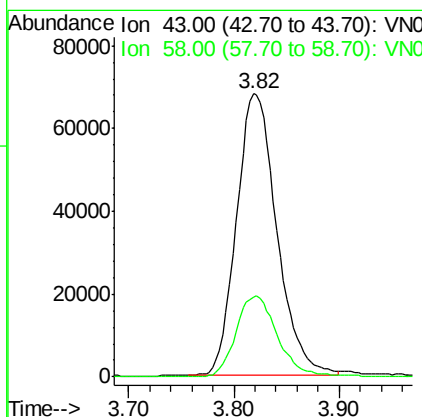
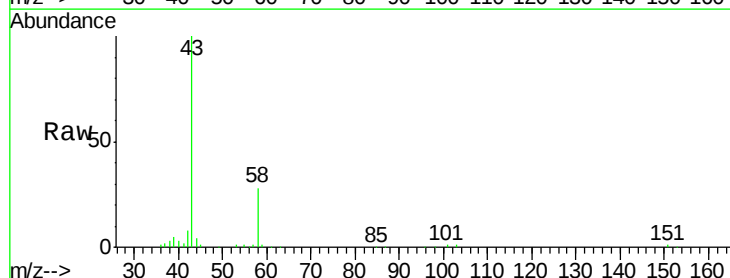
Manual Integrations
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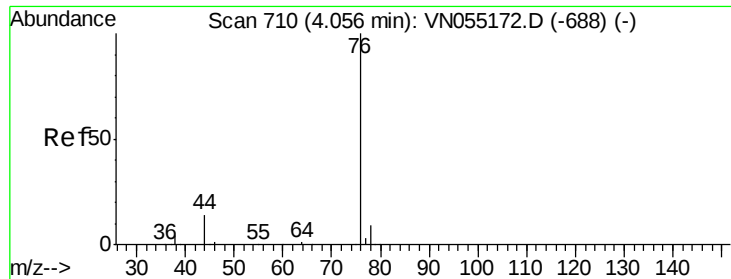
MMDadoda
 4/25/2019 12:40:02 PM



#16
 Acetone
 Concen: 97.684 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion:	43	Resp:	181032
Ion Ratio	Lower	Upper	
43	100		
58	28.4	23.8	35.8





#17

Carbon Disulfide

Concen: 18.817 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 76 Resp: 224166

Ion Ratio Lower Upper

76 100

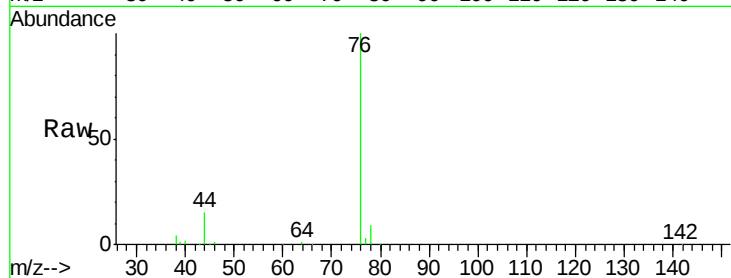
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN055172.D (-688) (-)

4.05

80000

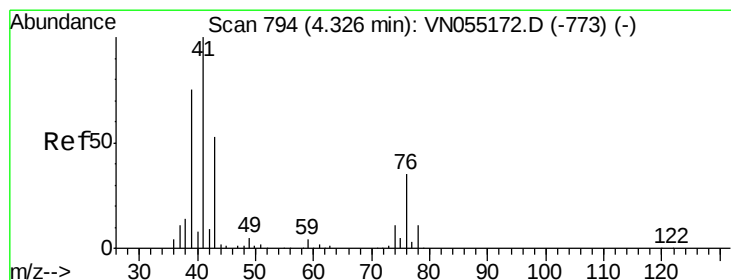
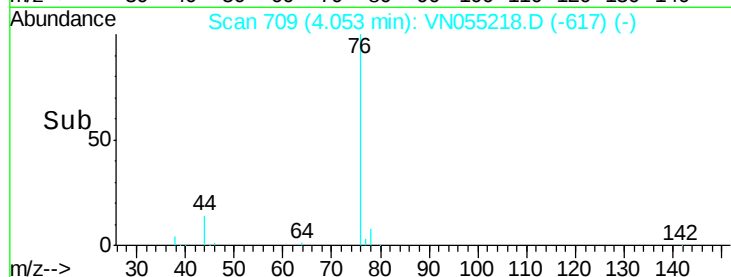
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.794 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055218.D

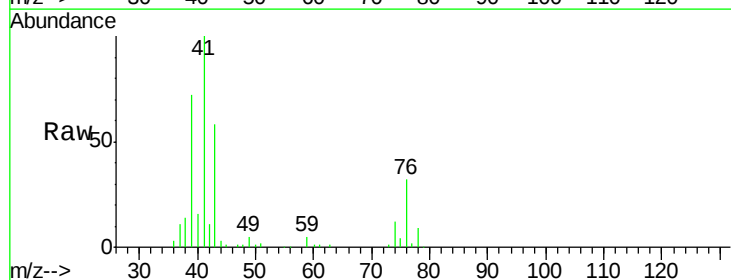
Acq: 24 Apr 2019 11:04

Tgt Ion: 43 Resp: 93214

Ion Ratio Lower Upper

43 100

74 20.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN055172.D (-773) (-)

4.33

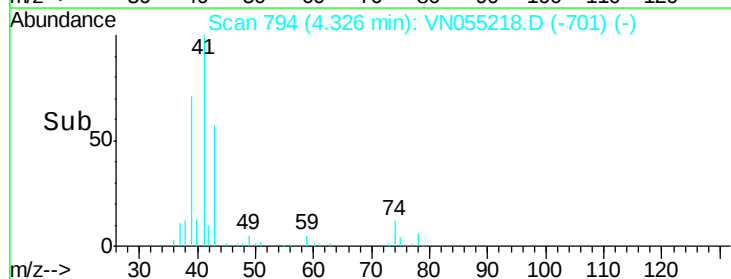
30000

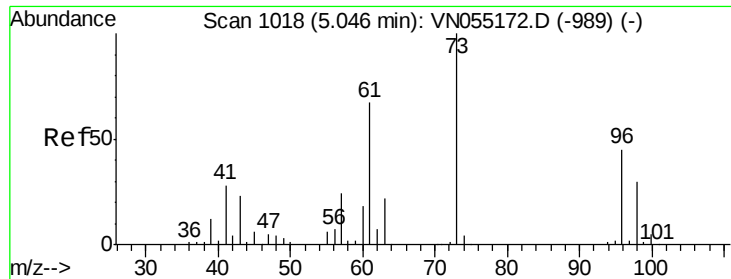
20000

10000

0

Time-->





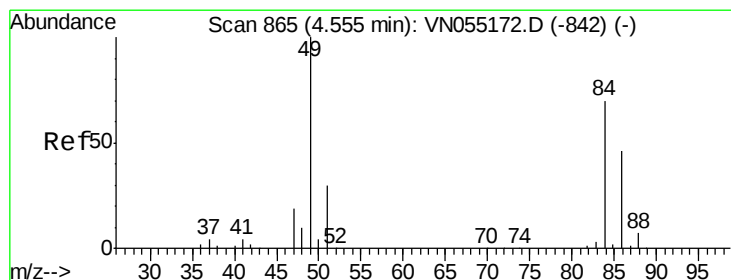
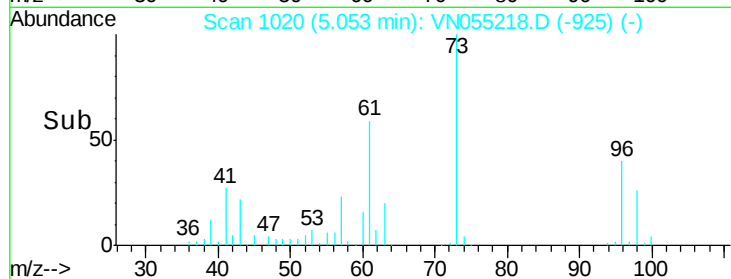
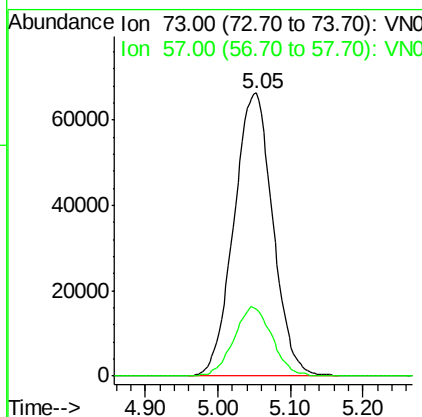
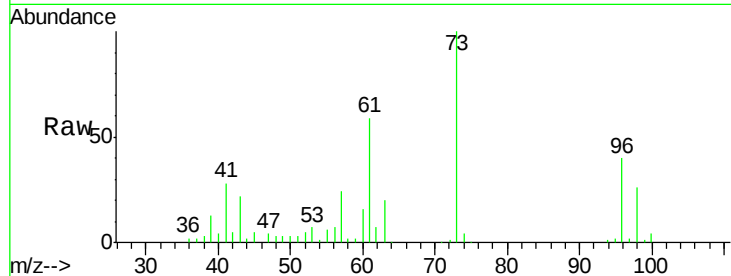
#19
Methvl tert-butvl Ether
Concen: 21.017 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion: 73 Resp: 247614
Ion Ratio Lower Upper
73 100
57 23.6 19.5 29.3

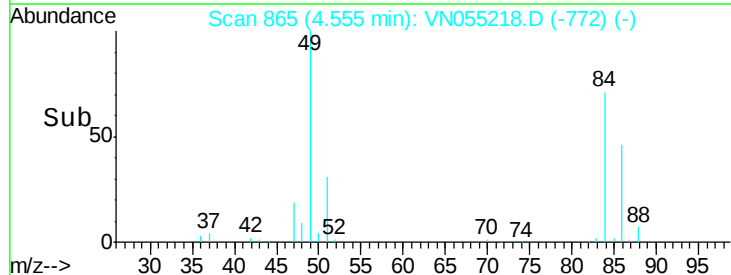
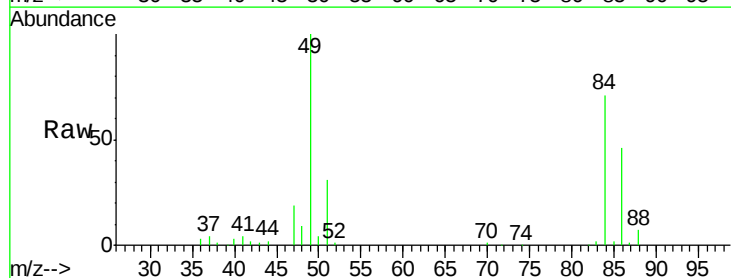
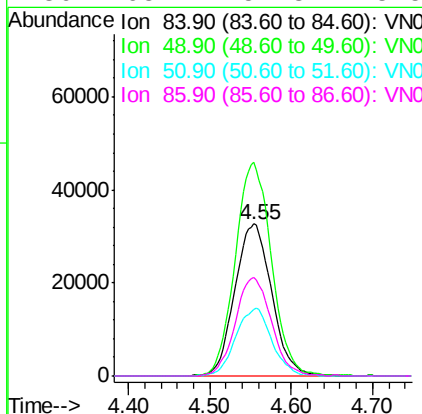
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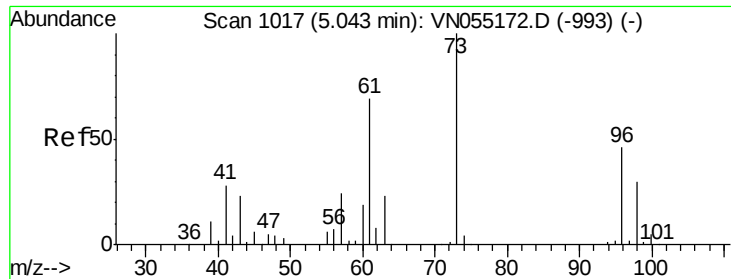
MMDadoda
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#20
Methylene Chloride
Concen: 19.209 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion: 84 Resp: 102344
Ion Ratio Lower Upper
84 100
49 140.5 113.8 170.6
51 44.1 34.0 51.0
86 65.2 52.3 78.5





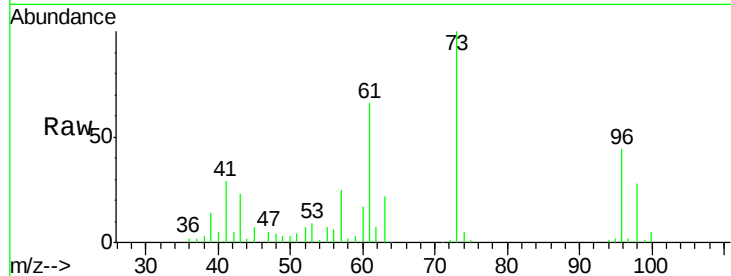
#21
trans-1,2-Dichloroethene
Concen: 19.902 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	119.3	178.9
98	65.0	53.0	79.4

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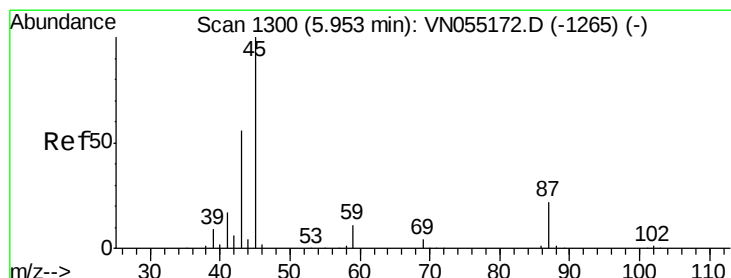
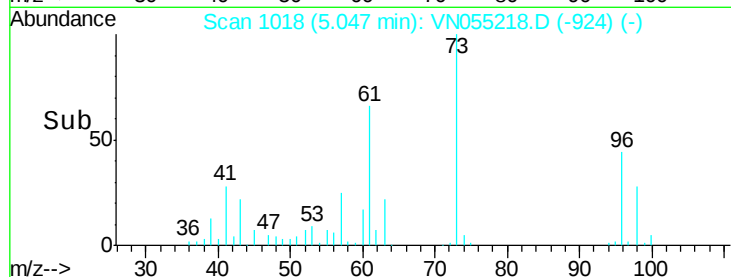
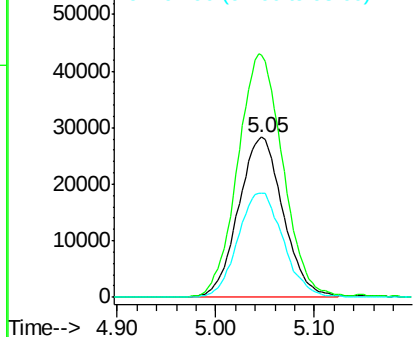


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.669 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	47.4	71.0
87	21.9	18.4	27.6
59	10.6	8.6	12.8

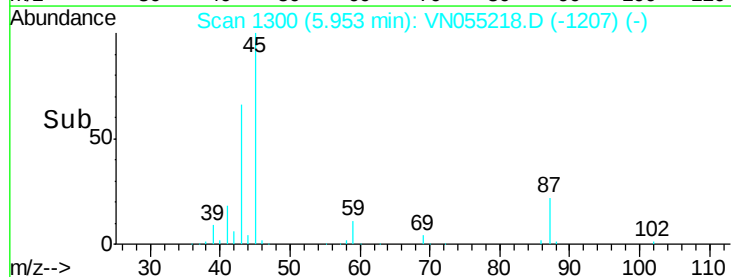
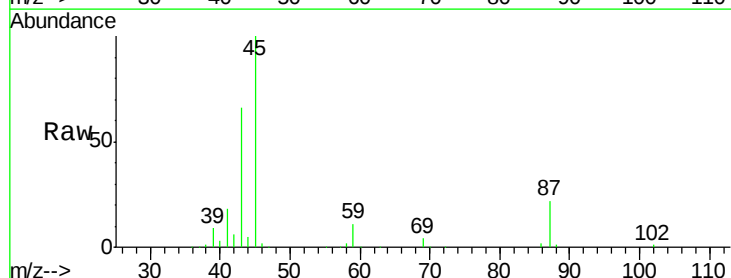
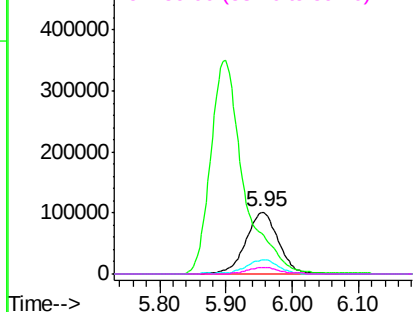
Abundance

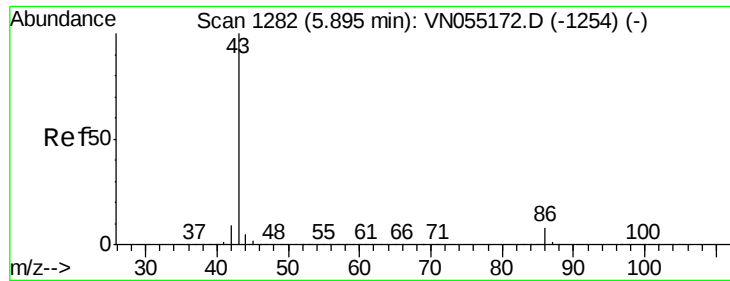
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 107.259 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 43 Resp: 1210291

Ion Ratio Lower Upper

43 100

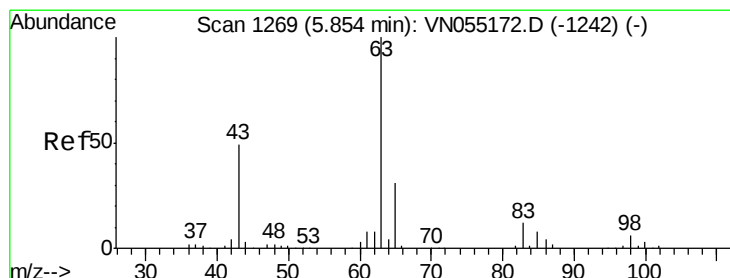
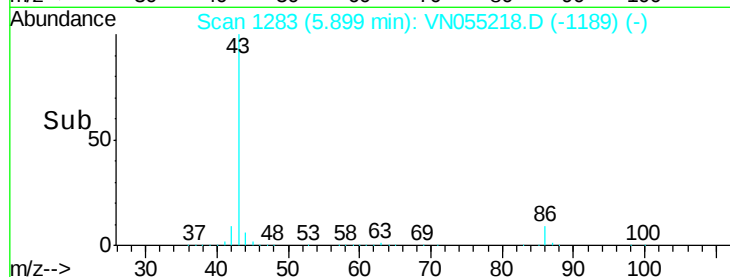
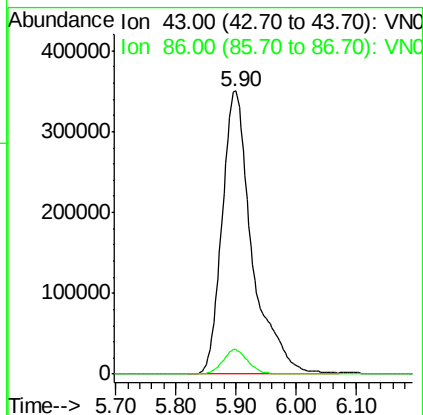
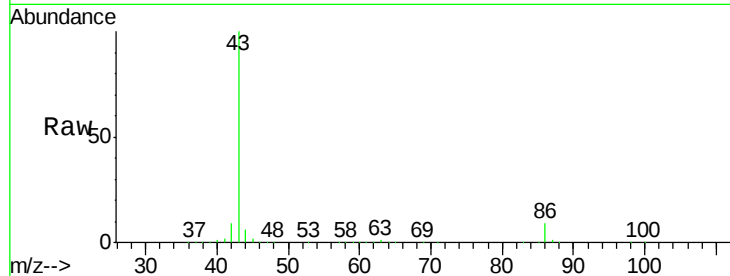
86 8.7 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.024 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

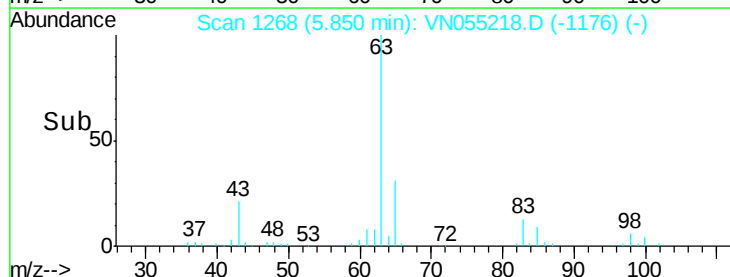
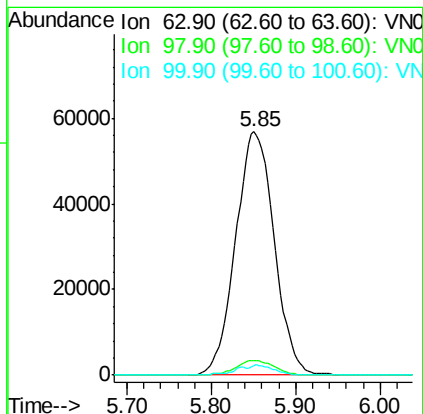
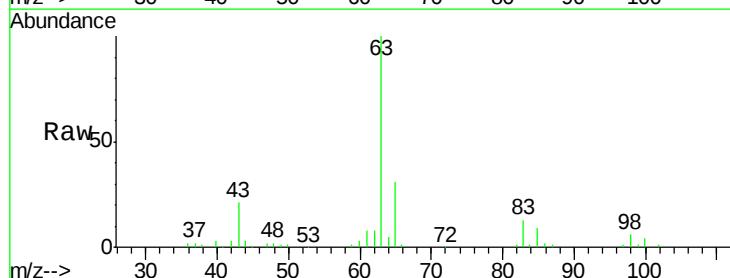
Tgt Ion: 63 Resp: 180850

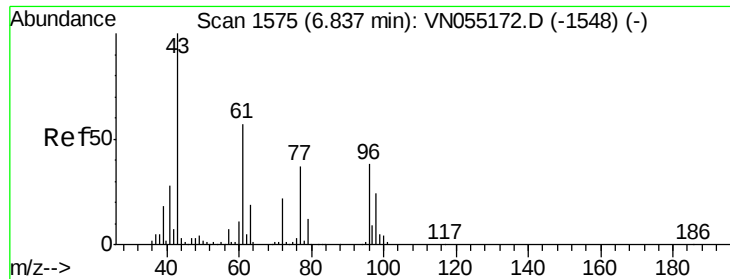
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 103.801 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 43 Resp: 248355

Ion Ratio Lower Upper

43 100

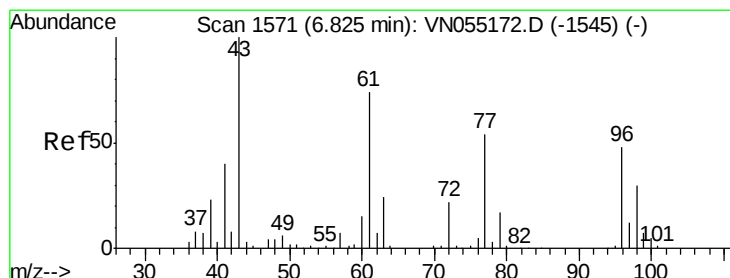
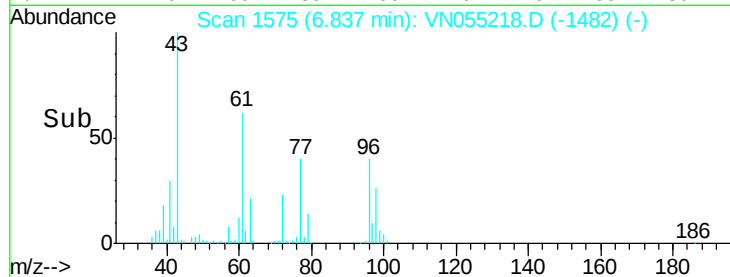
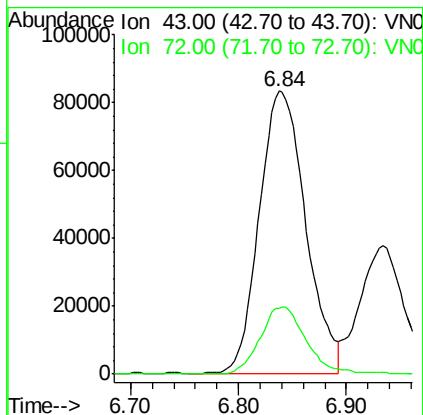
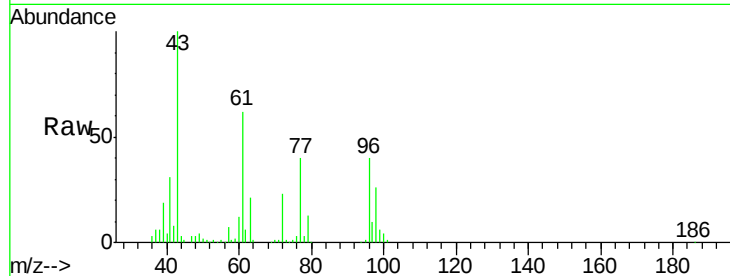
72 23.4 17.8 26.8

Manual Integrations

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MMDadoda

4/25/2019 12:40:02 PM



#26

2,2-Dichloropropane

Concen: 20.021 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055218.D

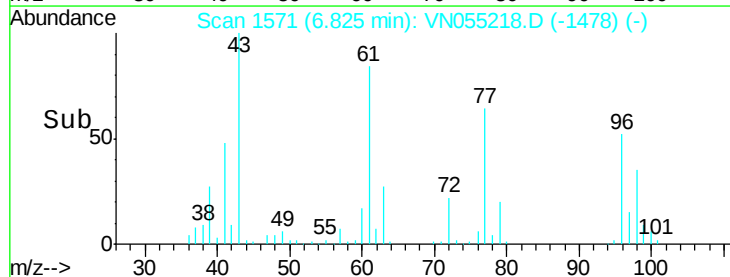
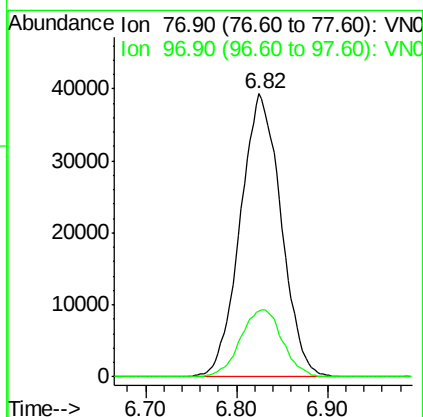
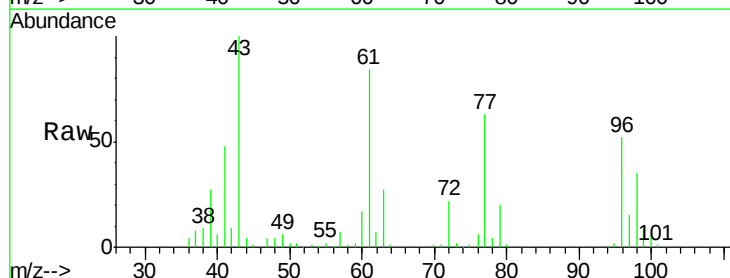
Acq: 24 Apr 2019 11:04

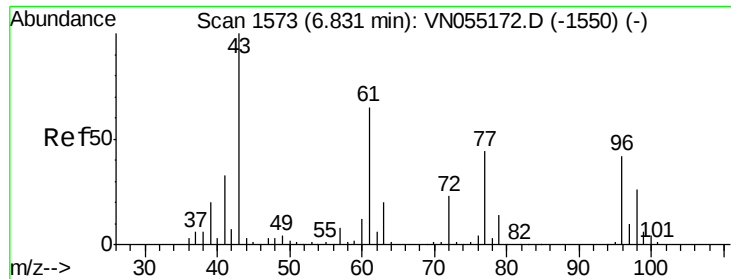
Tgt Ion: 77 Resp: 122368

Ion Ratio Lower Upper

77 100

97 24.3 11.3 33.8





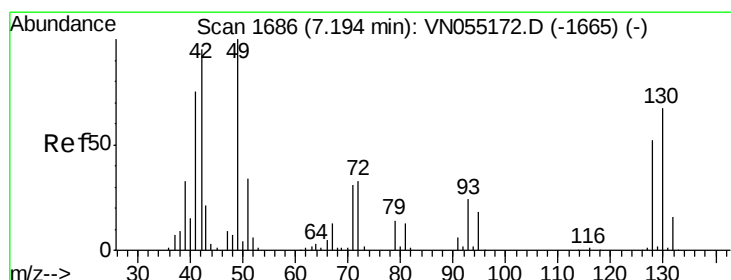
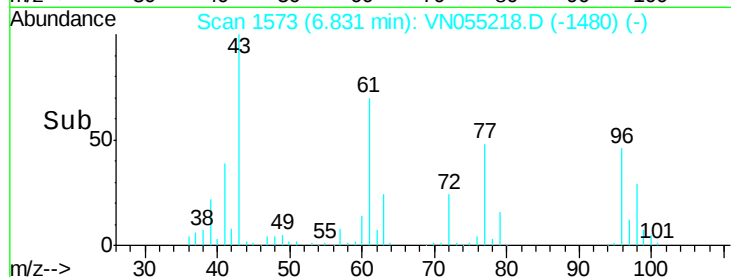
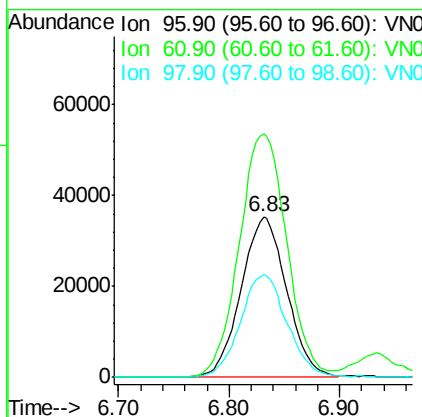
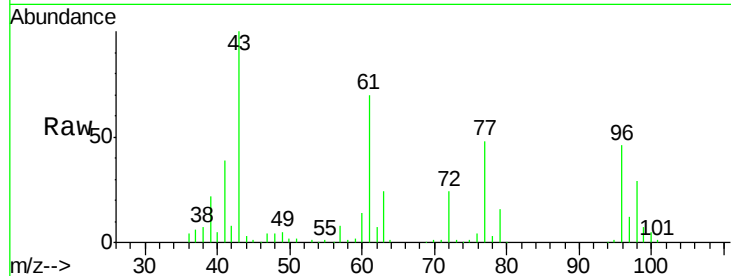
#27
 cis-1,2-Dichloroethene
 Concen: 19.674 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.3	0.0	310.8	
98	65.6	0.0	127.4	

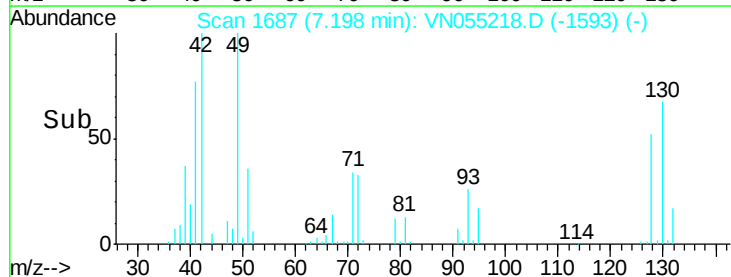
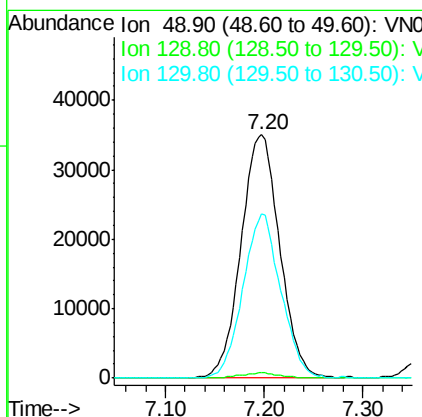
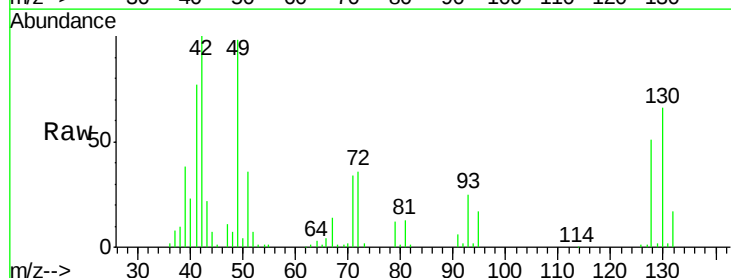
Manual Integrations
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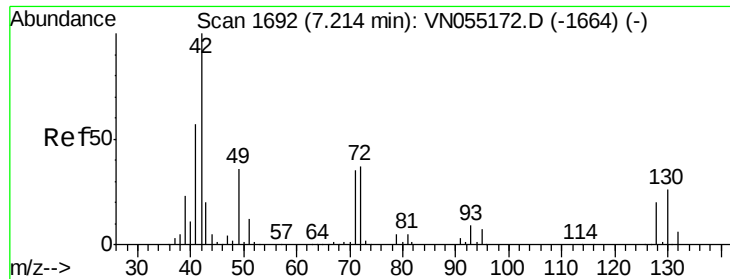
MMDadoda
 4/25/2019 12:40:02 PM



#28
 Bromochloromethane
 Concen: 20.632 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	65.7	53.4	80.2	





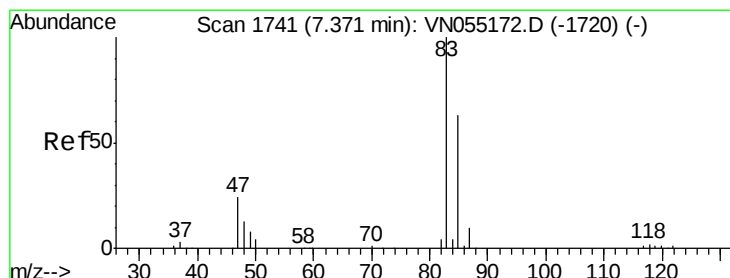
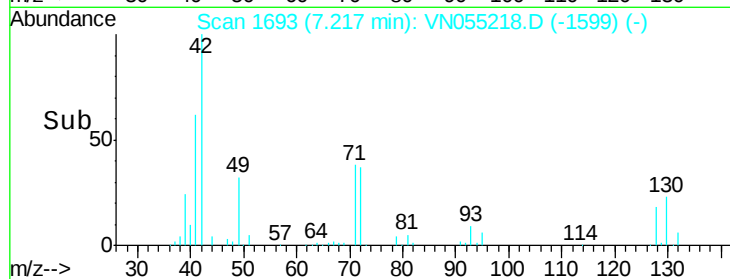
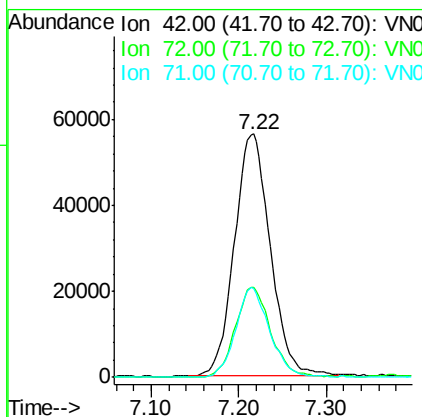
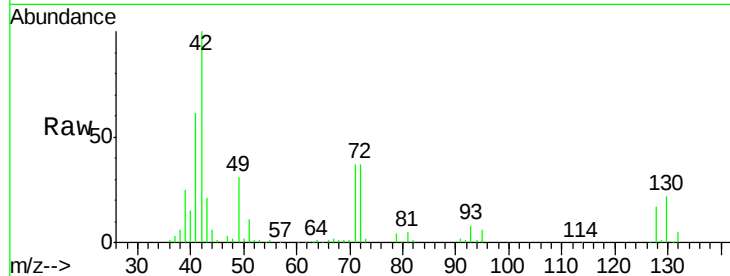
#29
Tetrahydrofuran
Concen: 109.427 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.2
71	34.8	27.8	41.8

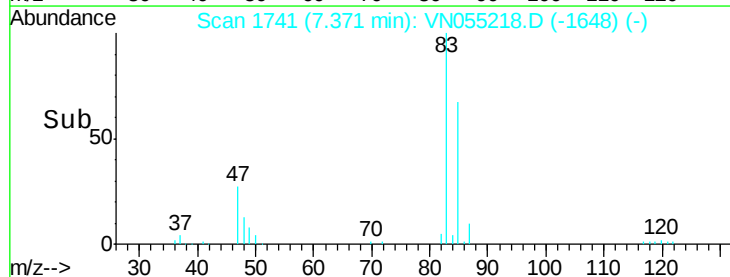
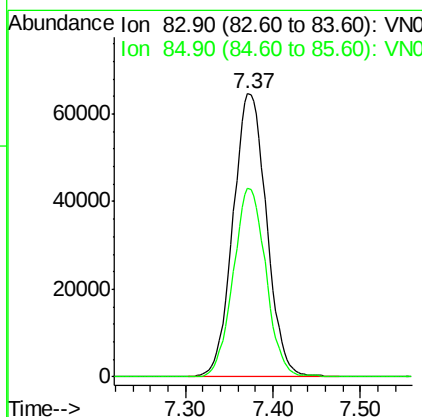
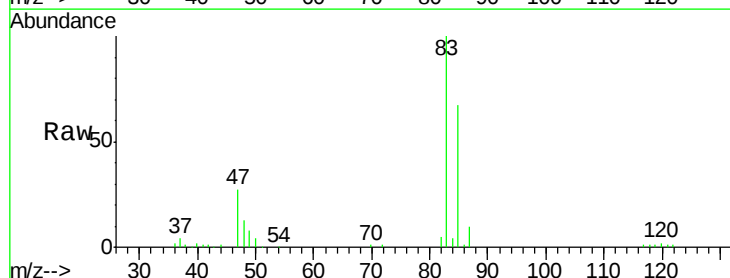
Manual Integrations
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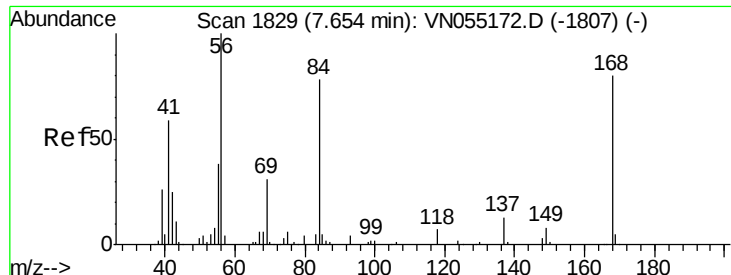
MMDadoda
4/25/2019 12:40:02 PM



#30
Chloroform
Concen: 20.013 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.6	76.0





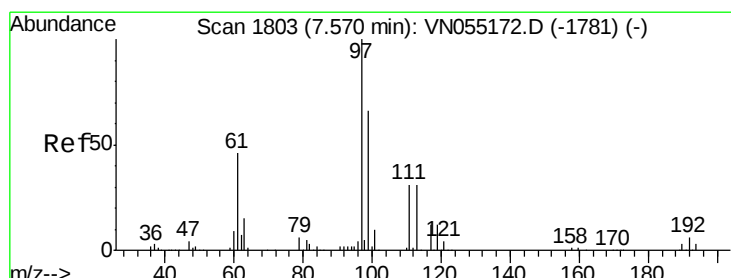
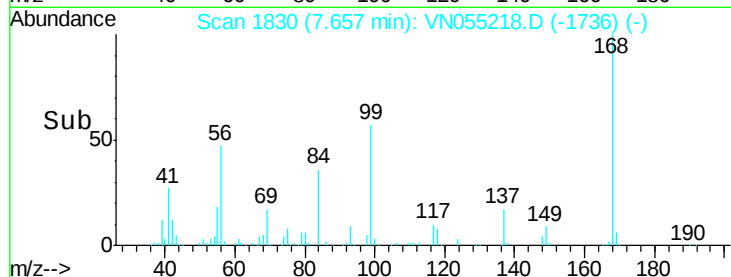
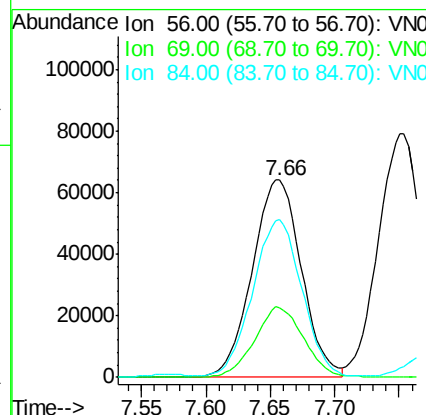
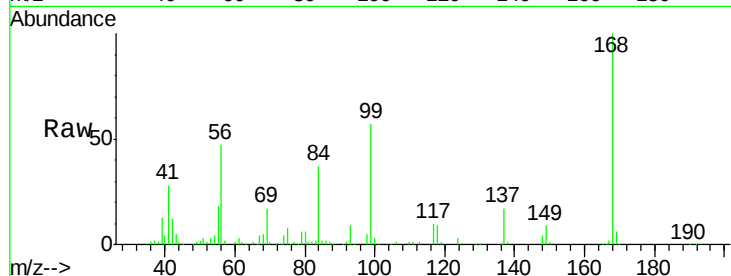
#31
Cyclohexane
Concen: 19.348 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	24.6	37.0
84	78.7	61.4	92.2

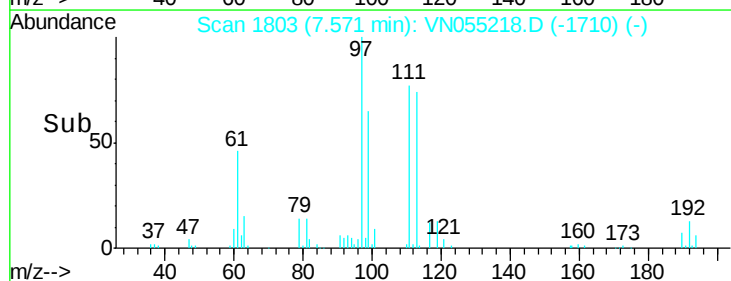
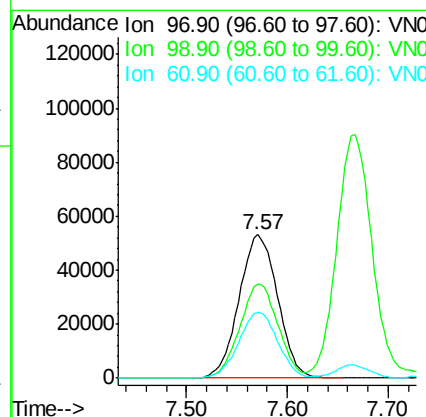
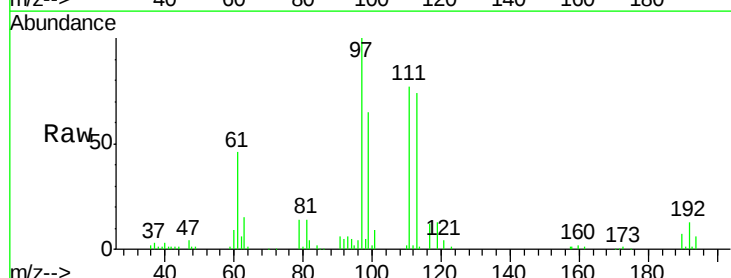
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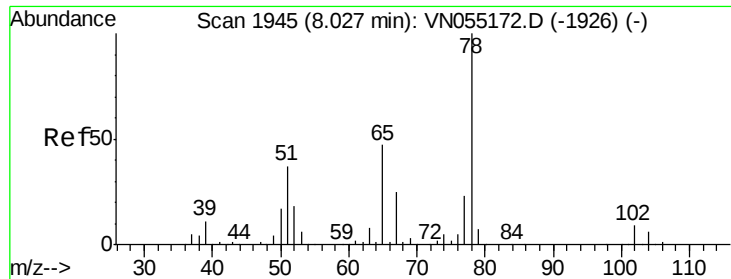
MMDadoda
4/25/2019 12:40:02 PM



#32
1,1,1-Trichloroethane
Concen: 20.461 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	46.6	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 49.371 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tot Ion: 65 Resp: 276775

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.6

Instrument :

MSVOA_N

ClientSampled :

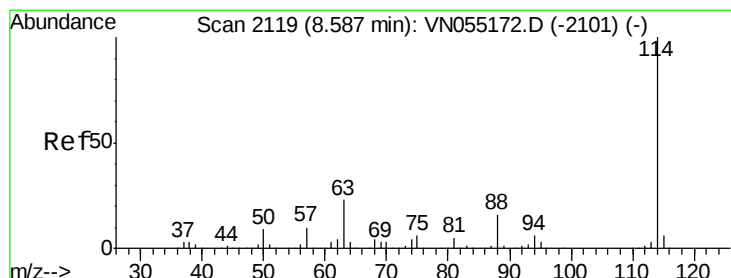
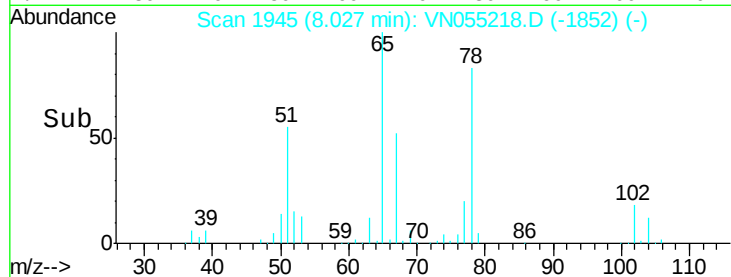
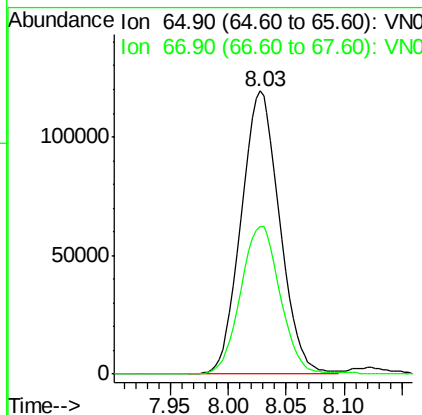
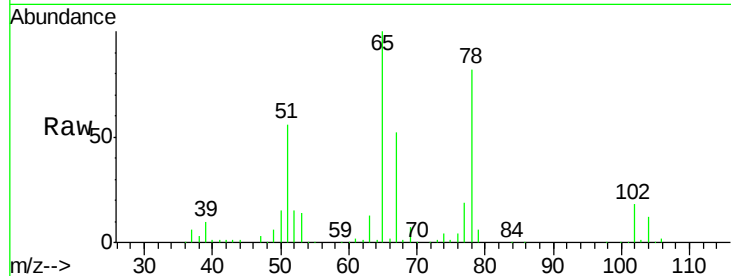
VN0424WBS01

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

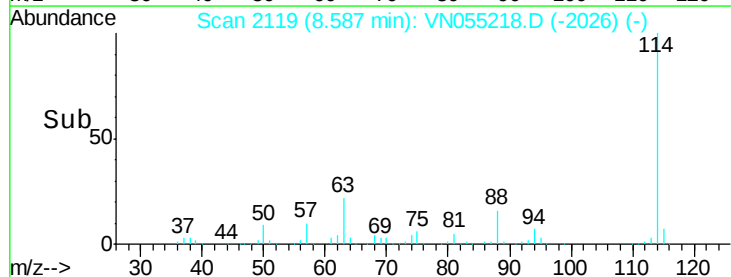
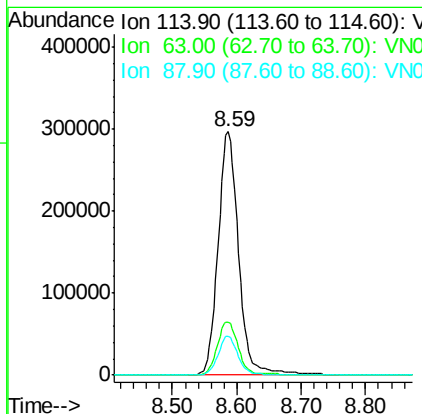
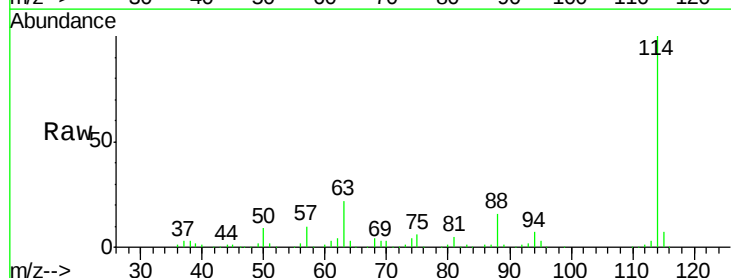
Tgt Ion: 114 Resp: 654727

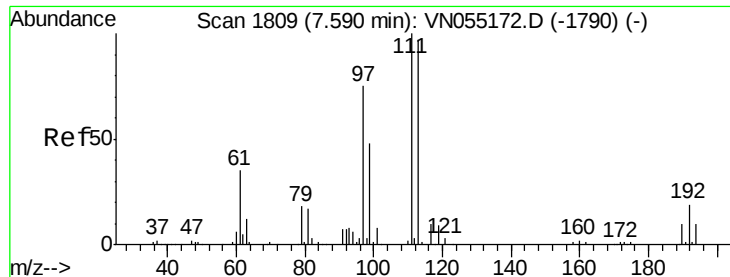
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

88 16.2 0.0 32.8





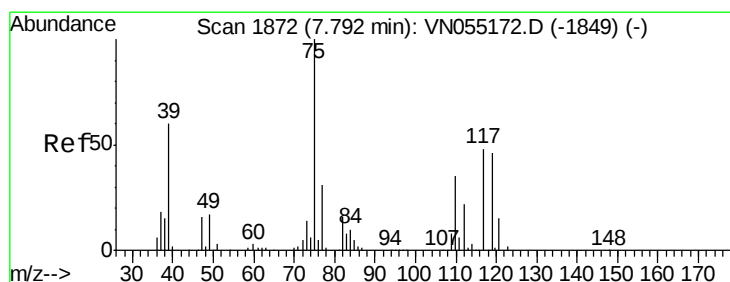
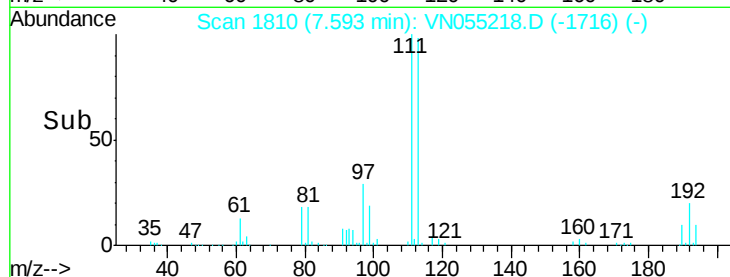
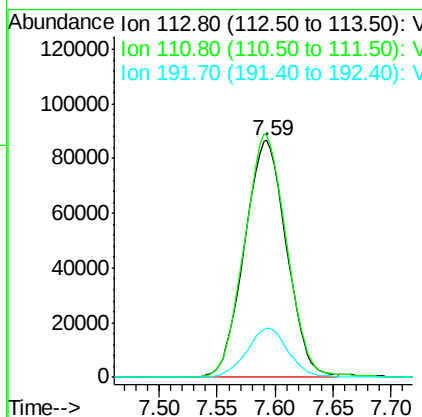
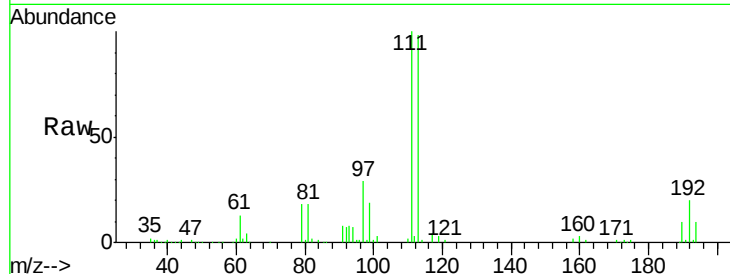
#35
Dibromofluoromethane
Concen: 49.335 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.0	121.4	
192	20.5	16.2	24.4	

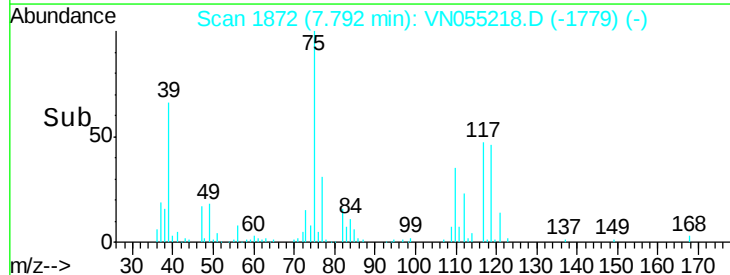
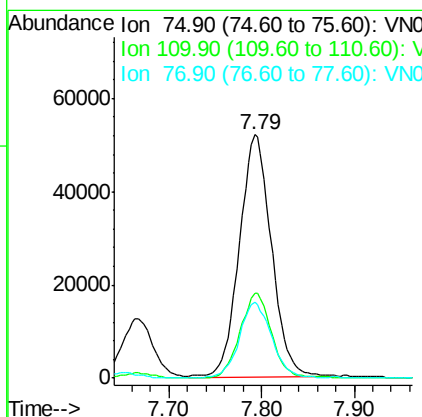
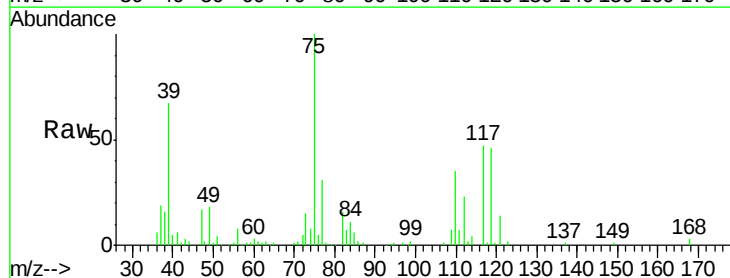
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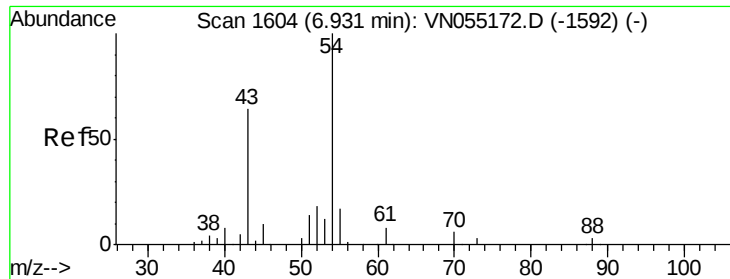
MMDadoda
4/25/2019 12:40:02 PM



#36
1,1-Dichloropropene
Concen: 20.500 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.2	17.1	51.2	
77	31.7	24.6	36.8	





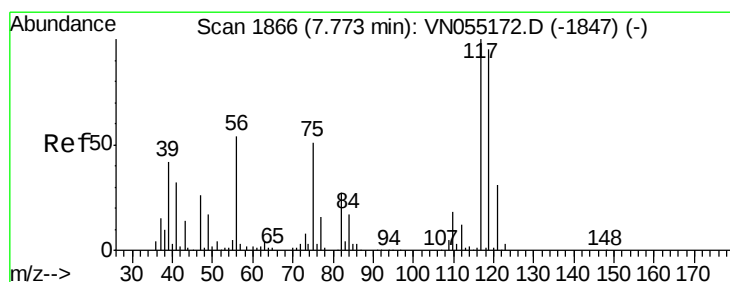
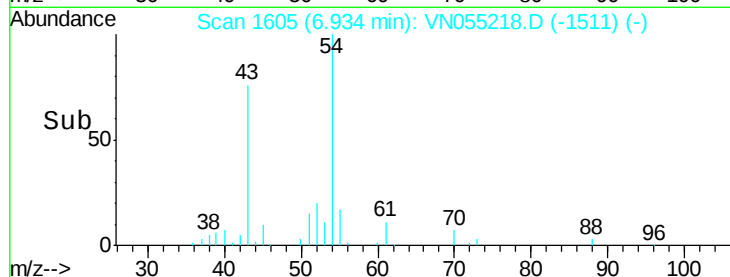
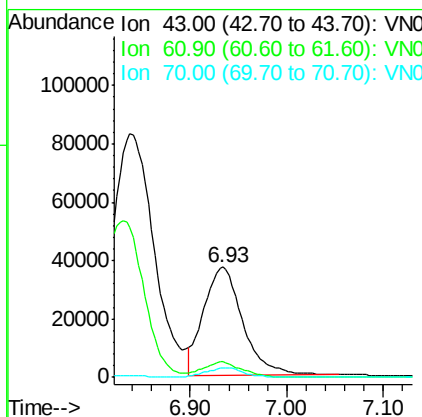
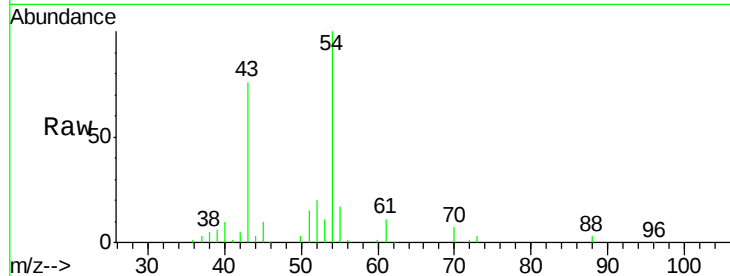
#37
Ethyl Acetate
Concen: 21.505 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.7	14.5
70	8.5	6.9	10.3

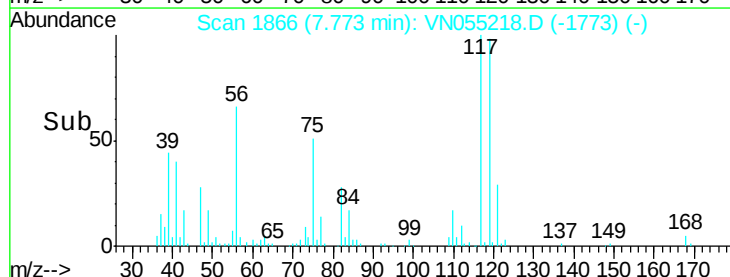
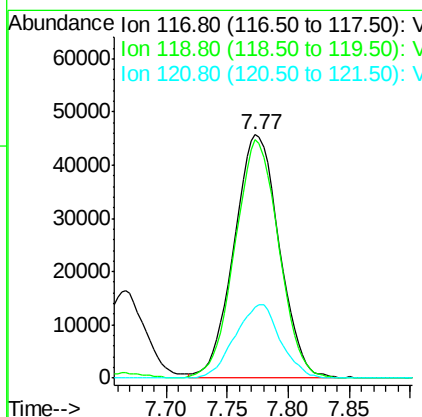
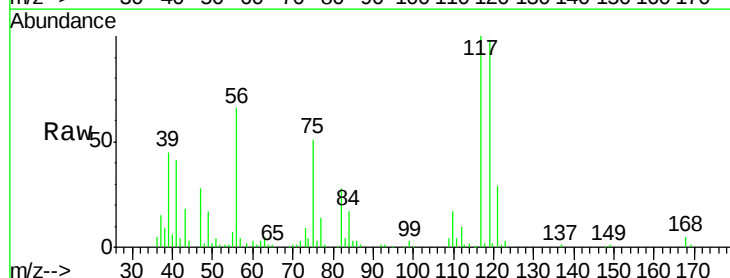
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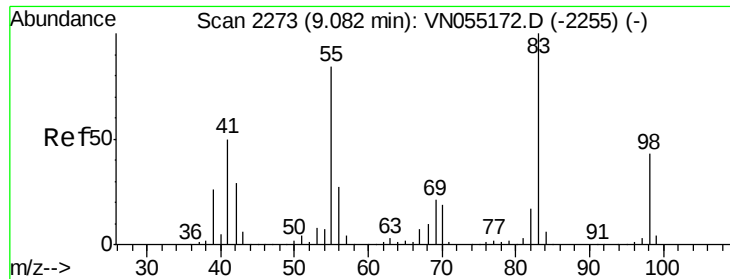
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.668 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.0	114.0
121	29.0	24.6	36.8





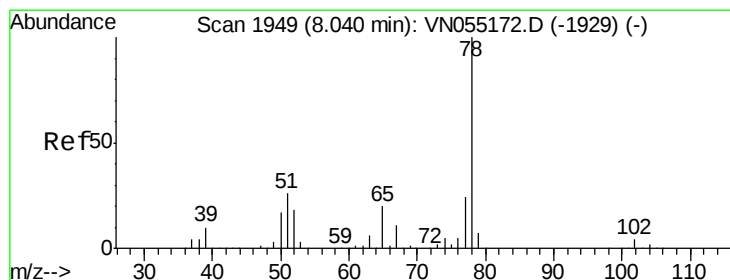
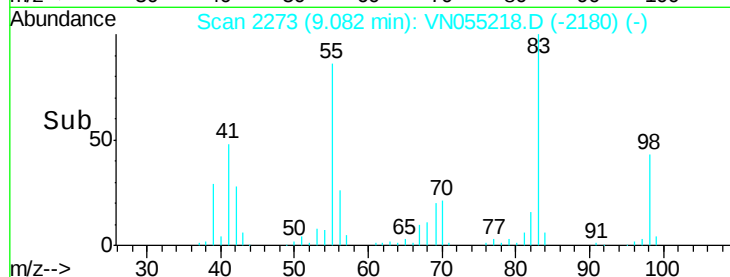
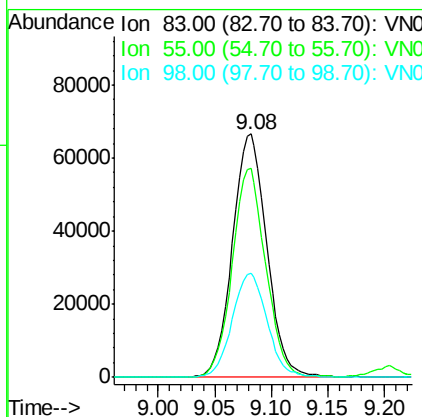
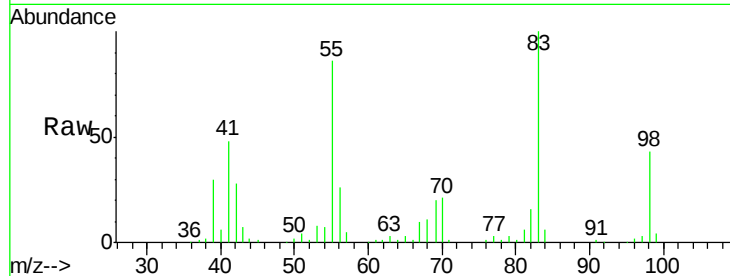
#39
Methvlcvclohexane
Concen: 19.409 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	83	Resp	140707
Ion Ratio	100	Lower	Upper
83	100		
55	86.1	67.4	101.0
98	42.8	34.7	52.1

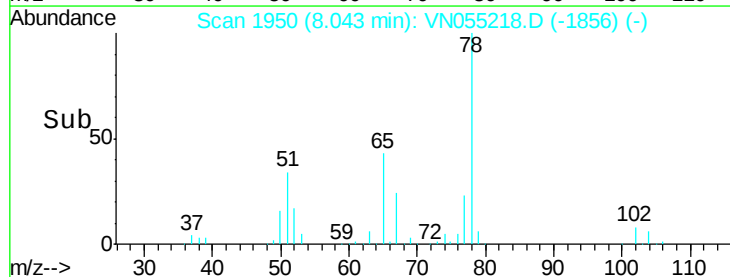
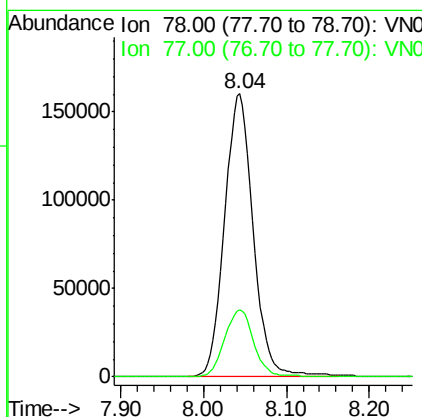
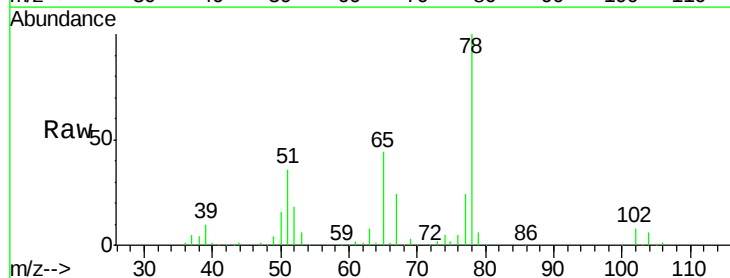
Manual Integrations
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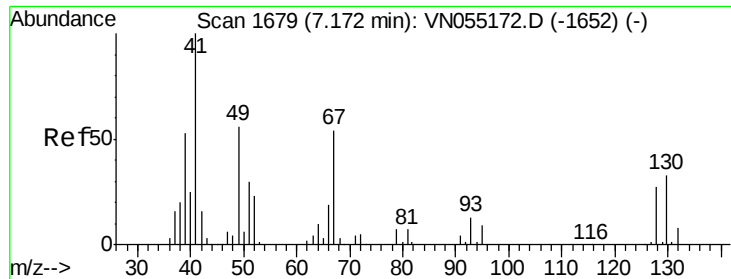
MMDadoda
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#40
Benzene
Concen: 20.605 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	78	Resp	386521
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	19.5	29.3





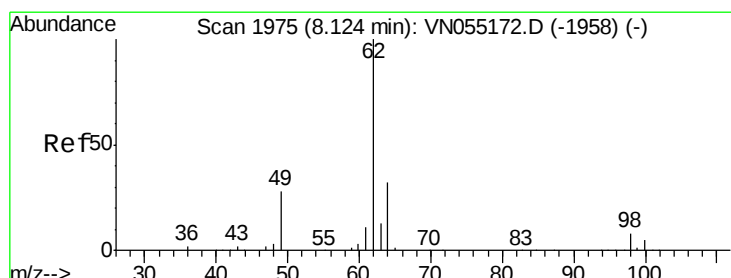
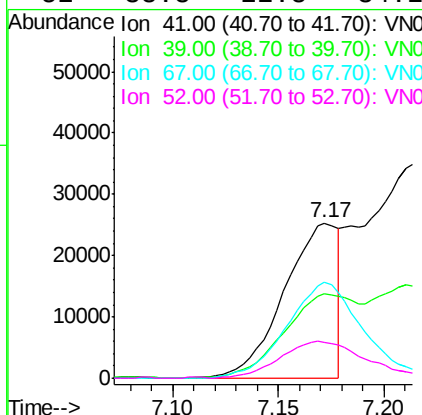
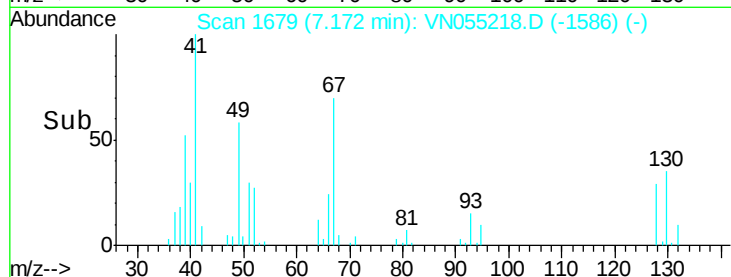
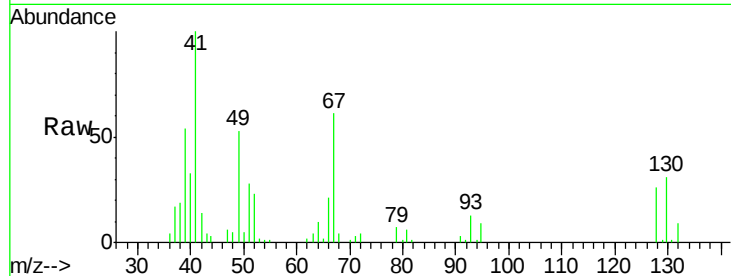
#41
Methacrylonitrile
Concen: 17.525 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.0	45.4	68.0#	
67	88.5	54.6	81.8#	
52	38.8	22.8	34.2#	

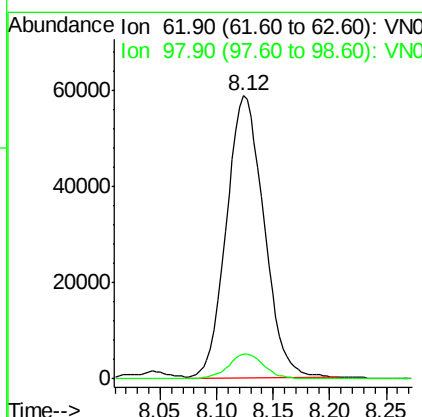
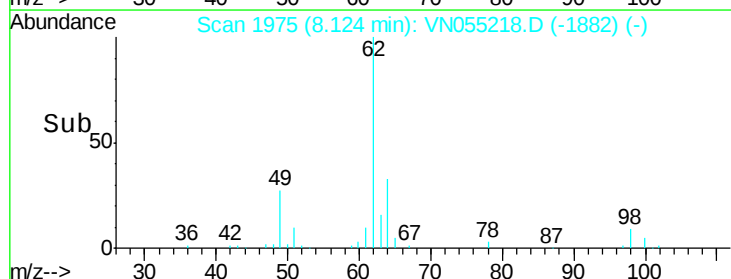
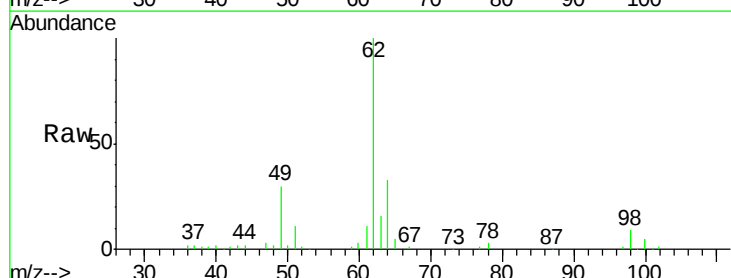
Manual Integrations
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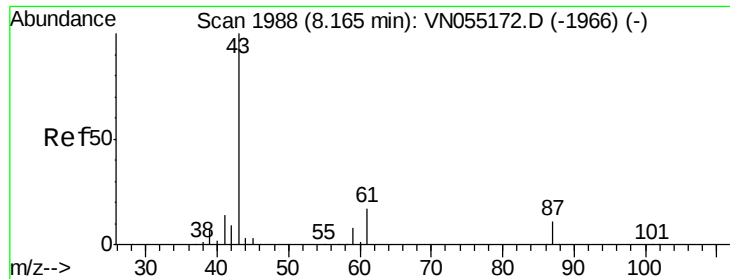
MMDadoda
4/25/2019 12:40:02 PM



#42
1,2-Dichloroethane
Concen: 20.709 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 22.502 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

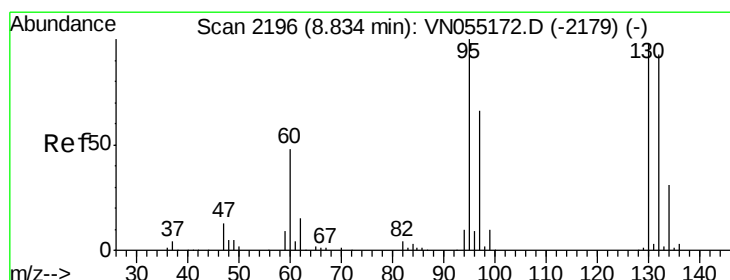
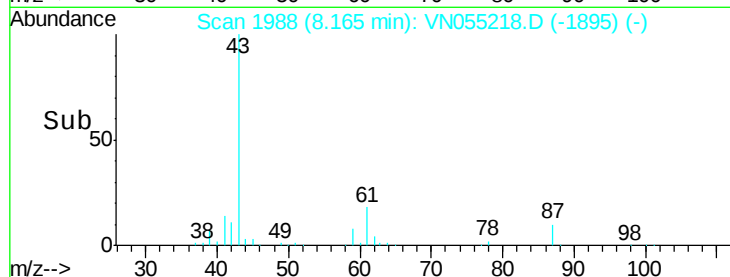
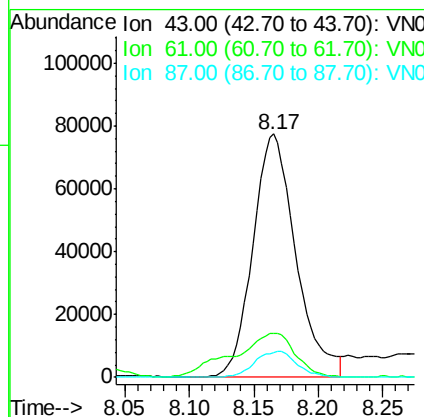
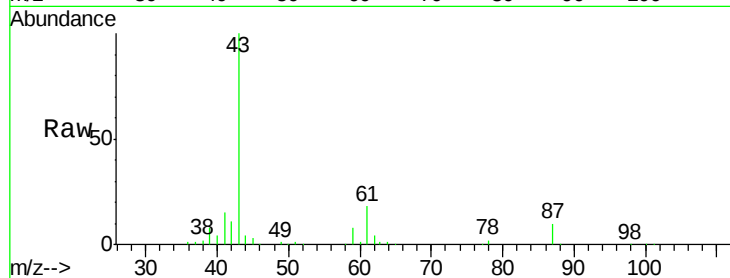
ClientSampled :

VN0424WBS01

Tot Ion:	43	Resp:	178705
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.6	30.8
87	10.5	8.8	13.2

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#44

Trichloroethene

Concen: 19.734 ug/l

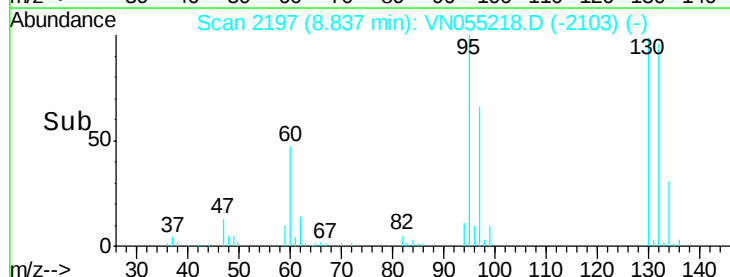
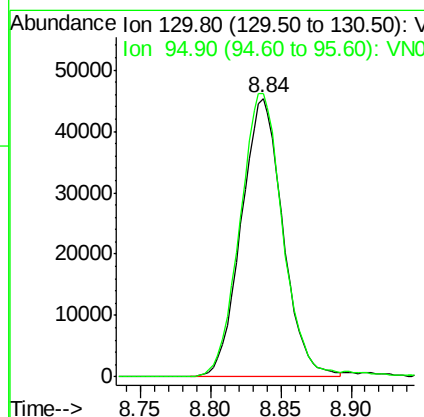
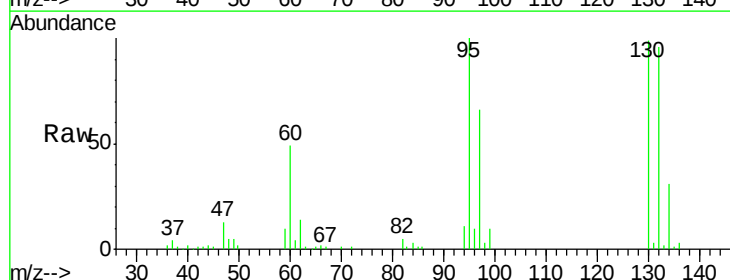
RT: 8.84 min Scan# 2197

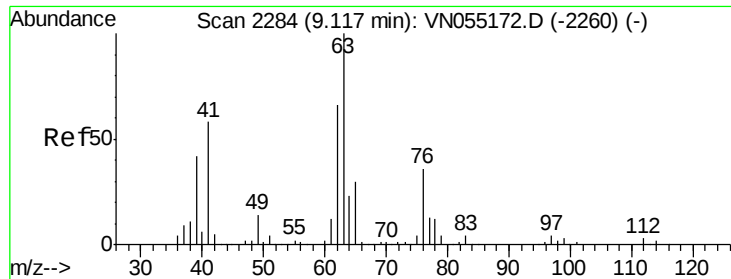
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	130	Resp:	93566
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.6





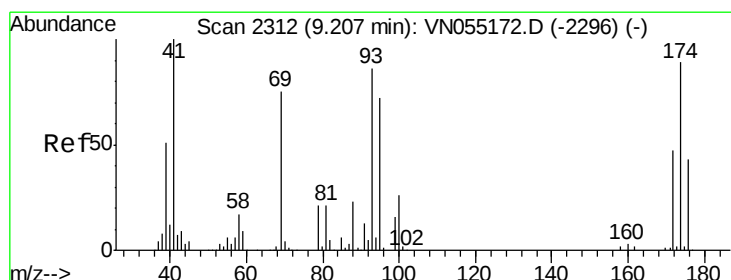
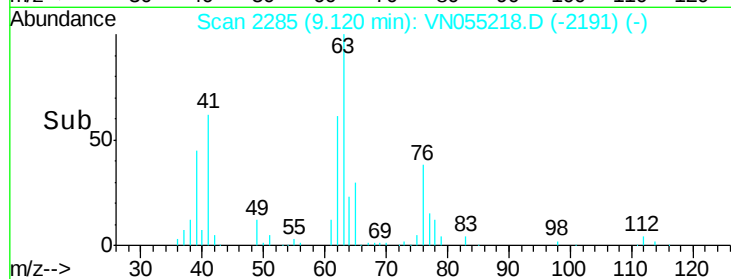
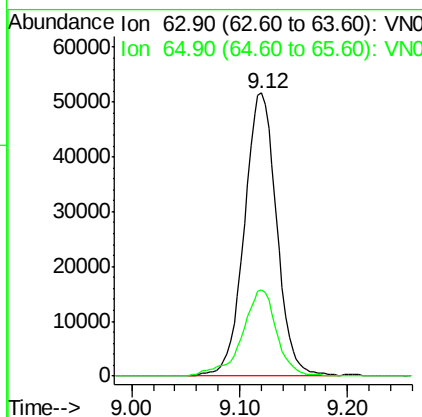
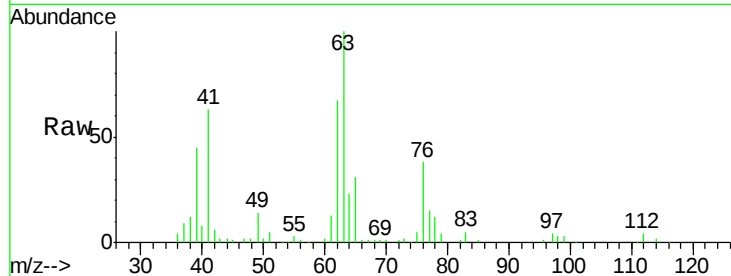
#45
 1,2-Dichloropropane
 Concen: 20.338 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.8	35.6

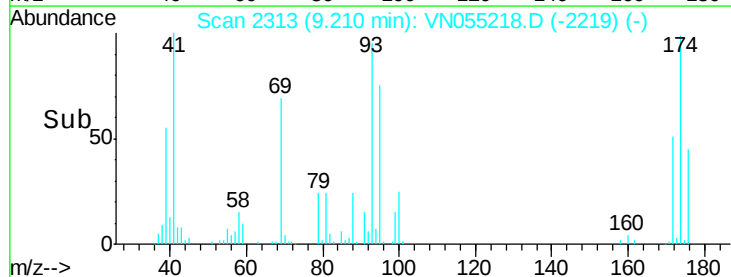
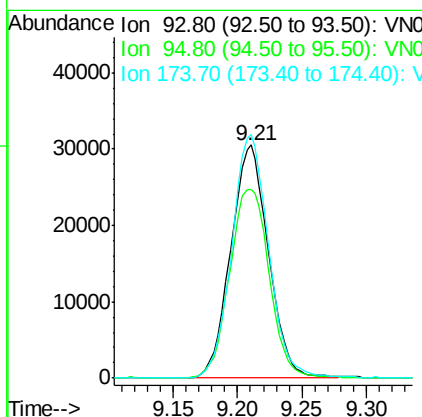
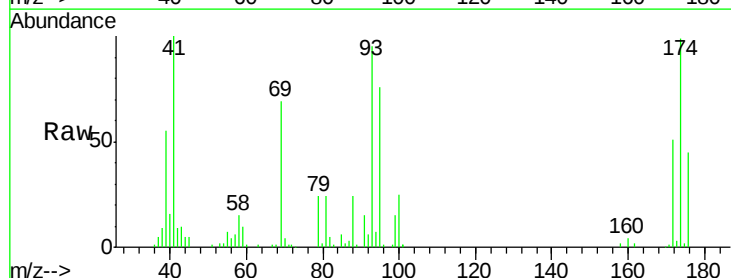
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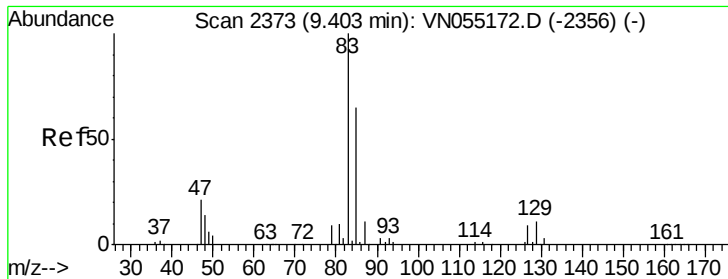
MMDadoda
 4/25/2019 12:40:02 PM



#46
 Dibromomethane
 Concen: 20.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	67.6	101.4
174	102.2	83.4	125.2





#47

Bromodichloromethane

Concen: 20.413 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

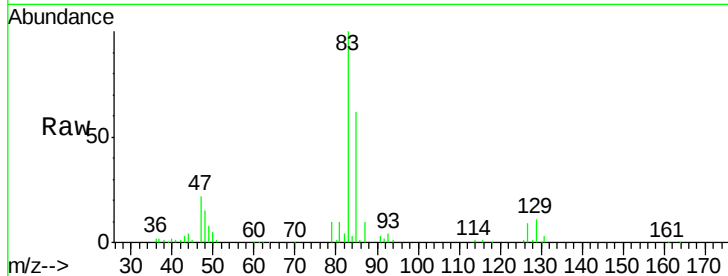
ClientSampleId :

VN0424WBS01

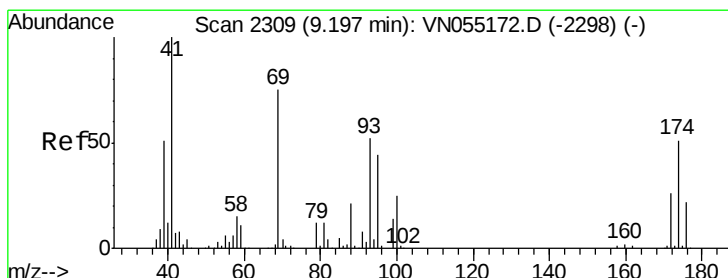
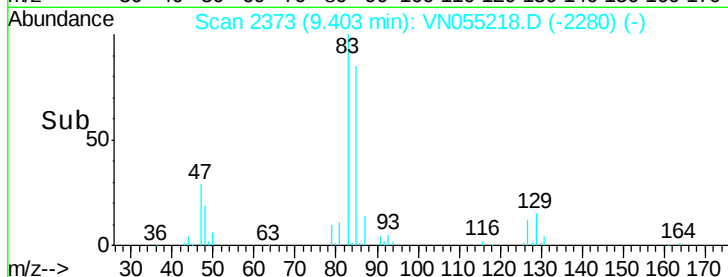
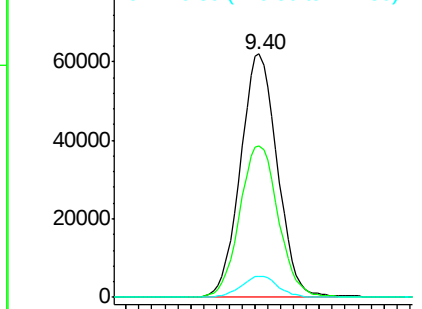
Tot Ion:	83	Resp:	123871
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.1	78.1
127	8.7	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055218.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.100 ug/l

RT: 9.20 min Scan# 2310

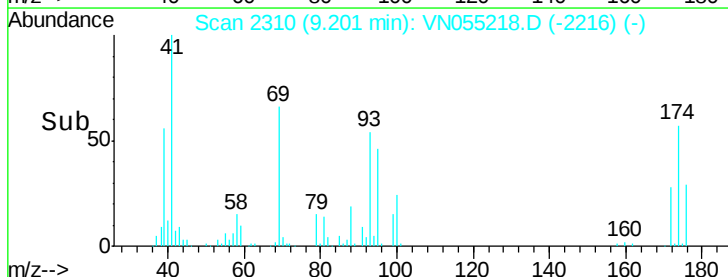
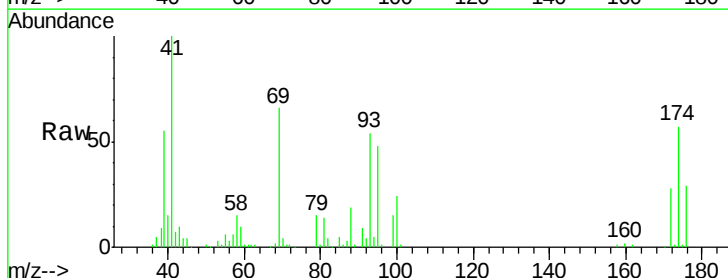
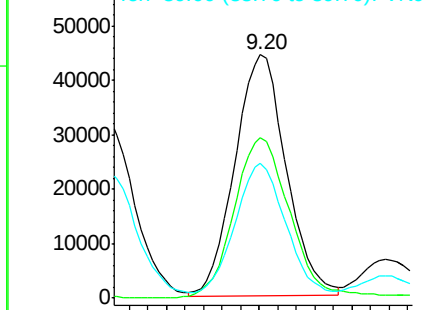
Delta R.T. 0.00 min

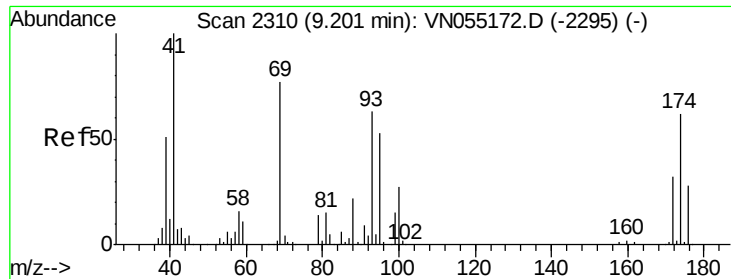
Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	41	Resp:	85136
Ion Ratio	Lower	Upper	
41	100		
69	72.8	63.6	95.4
39	54.8	43.8	65.8

Abundance Ion 41.00 (40.70 to 41.70): VN055218.D (-2216) (-)





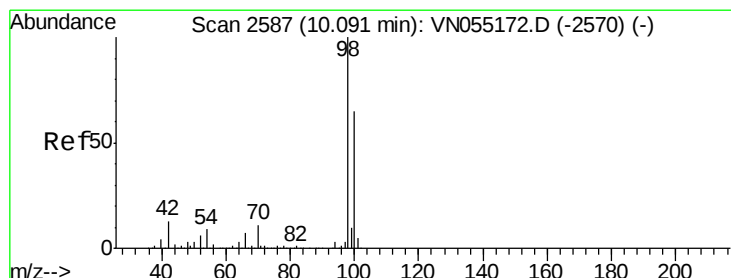
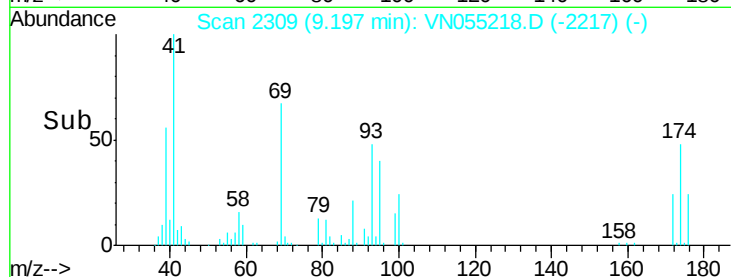
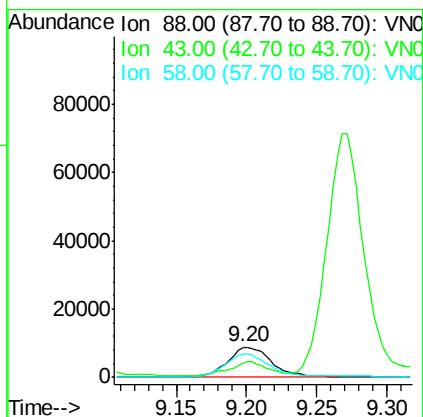
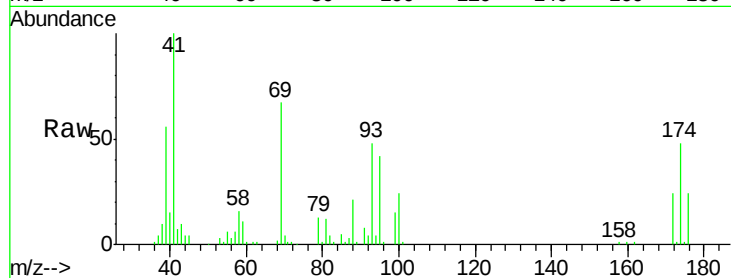
#49
1,4-Dioxane
Concen: 434.418 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	88	Resp	19326
Ion Ratio	Lower	Upper	
88	100		
43	40.0	32.0	48.0
58	77.4	60.4	90.6

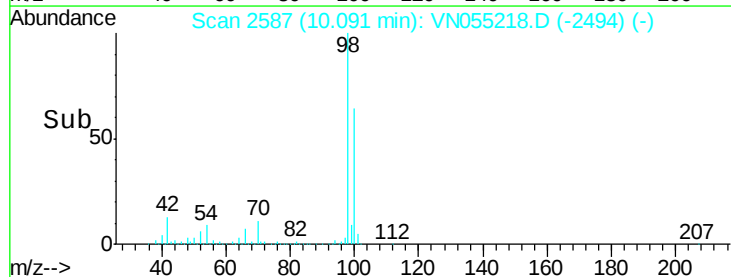
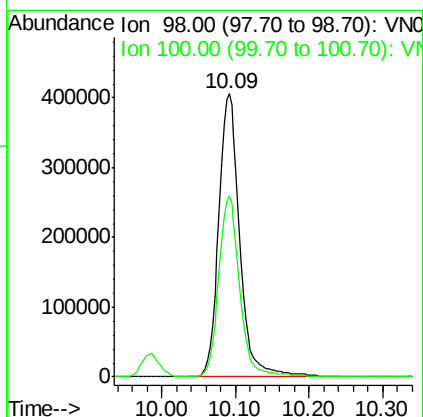
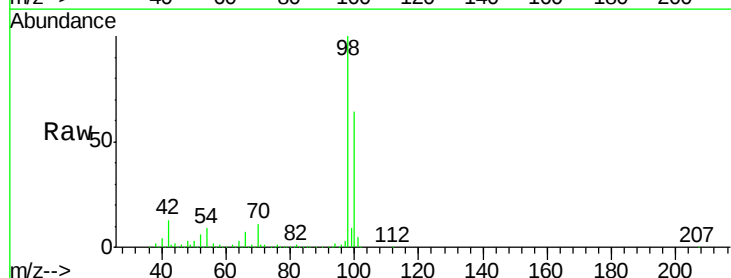
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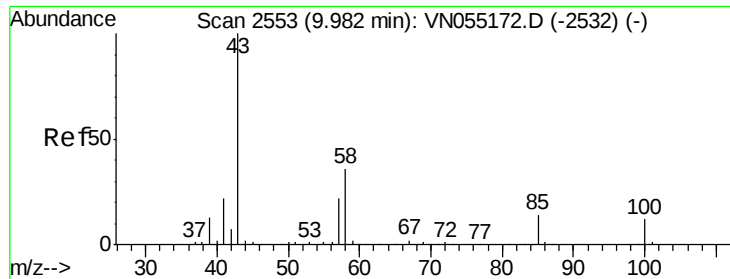
MMDadoda
4/25/2019 12:40:02 PM



#50
Toluene-d8
Concen: 48.559 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	98	Resp	800254
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 108.543 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 43 Resp: 496023

Ion Ratio Lower Upper

43 100

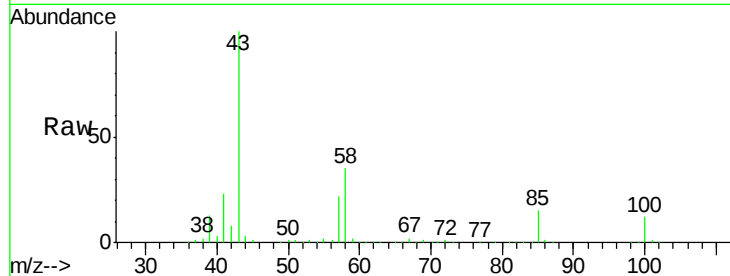
58 35.3 28.3 42.5

Manual Integrations

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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

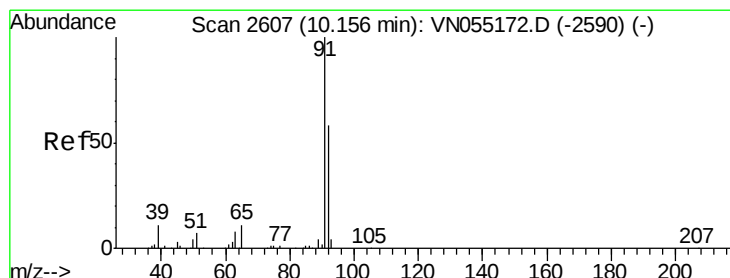
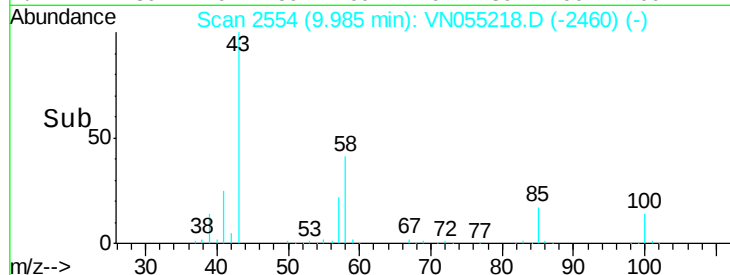
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.063 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055218.D

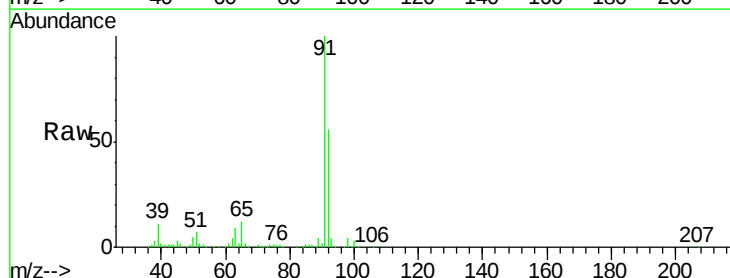
Acq: 24 Apr 2019 11:04

Tgt Ion: 92 Resp: 220635

Ion Ratio Lower Upper

92 100

91 177.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

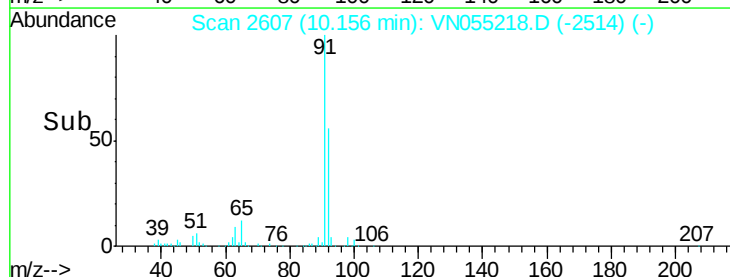
150000

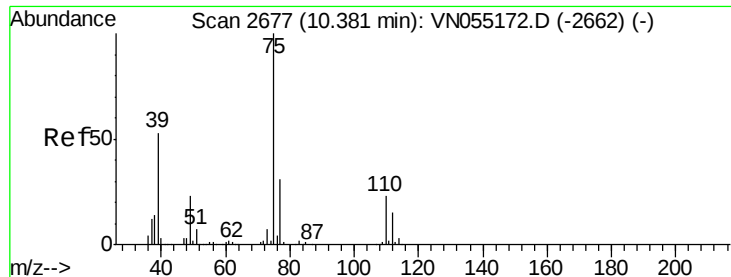
100000

50000

0

Time-->





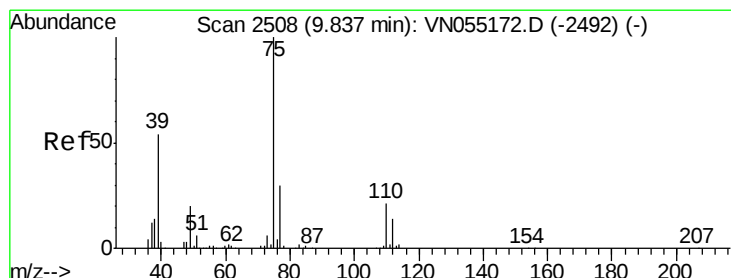
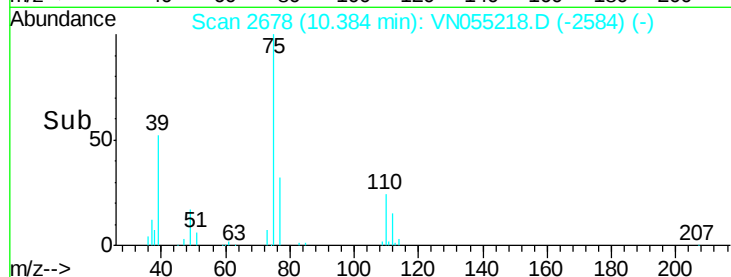
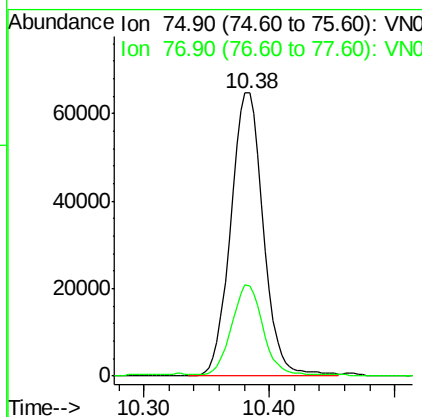
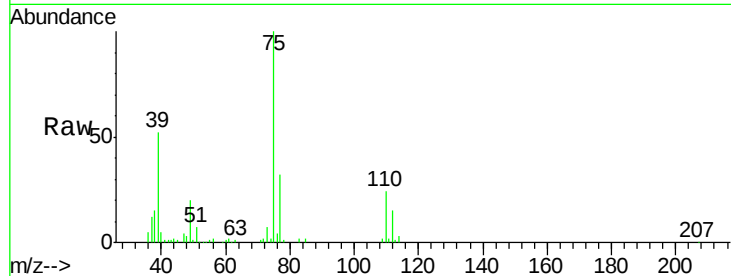
#53
 t-1,3-Dichloropropene
 Concen: 21.018 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0424WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7

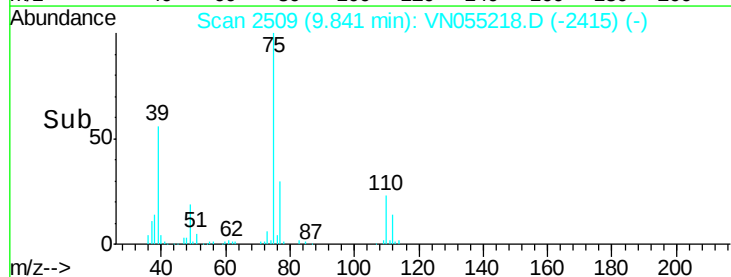
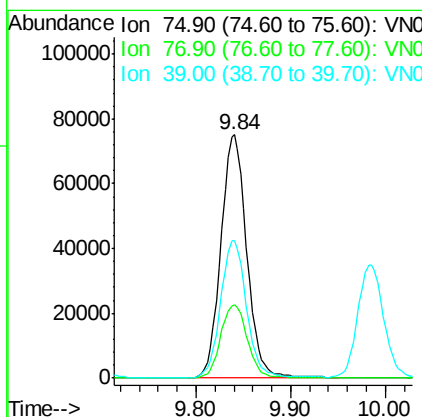
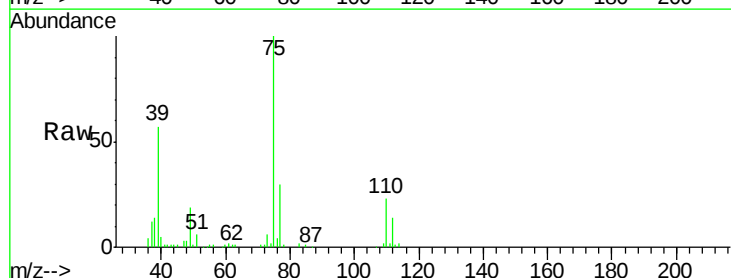
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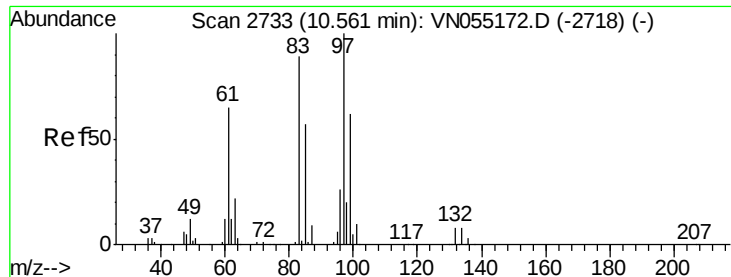
MMDadoda
 4/25/2019 12:40:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.640 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.3	36.5
39	56.4	43.0	64.4





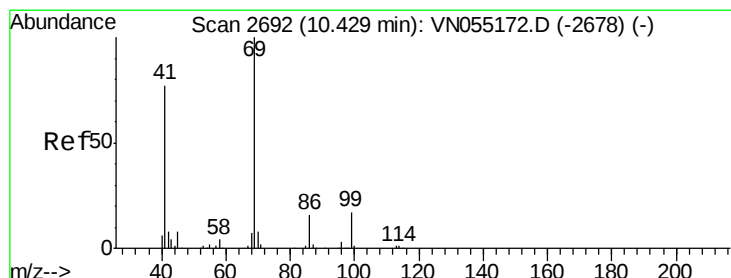
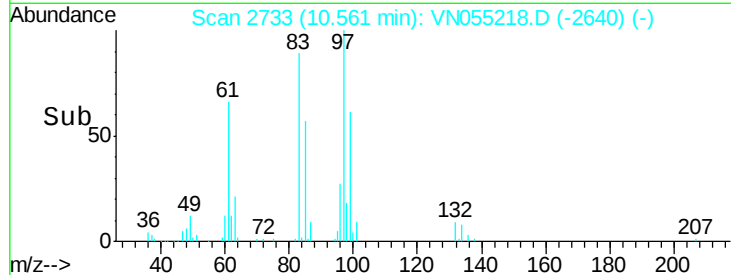
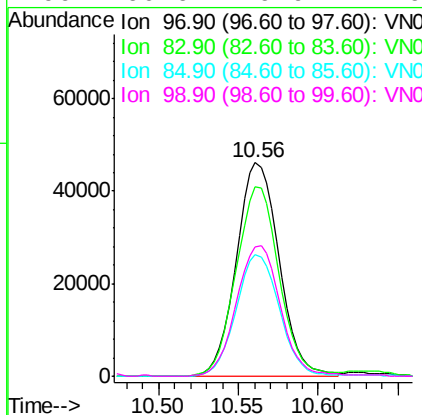
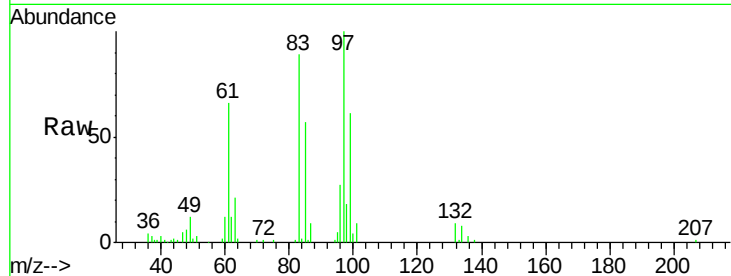
#55
 1,1,2-Trichloroethane
 Concen: 20.732 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion:	97	Resp:	84055
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.5	107.3
85	57.1	45.8	68.6
99	60.6	49.9	74.9

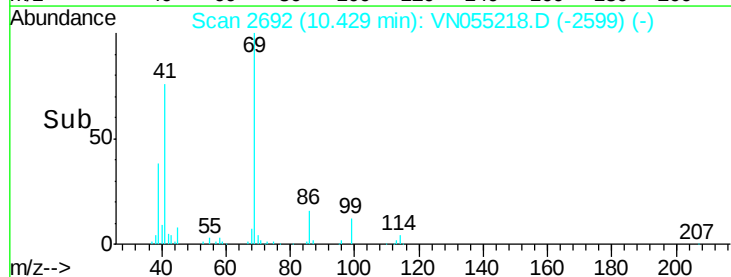
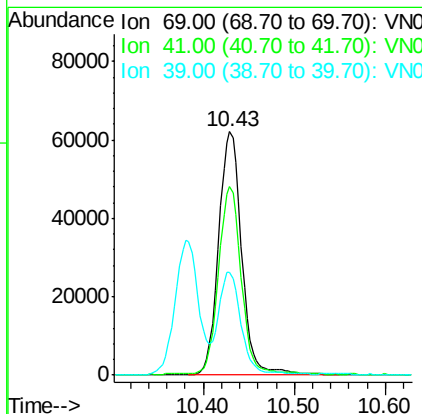
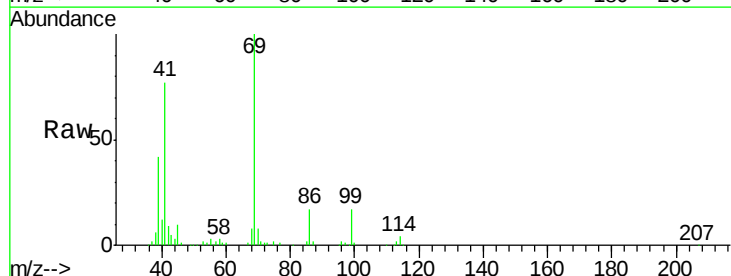
Manual Integrations
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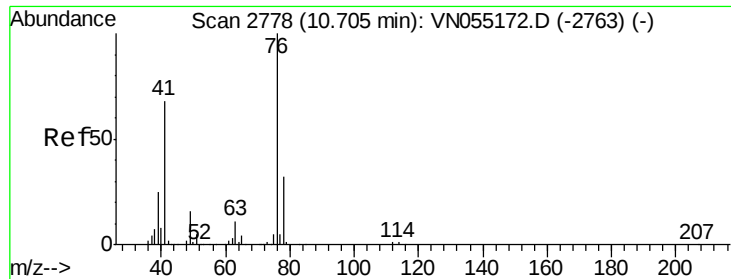
MMDadoda
 4/25/2019 12:40:02 PM



#56
 Ethyl methacrylate
 Concen: 21.708 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion:	69	Resp:	109639
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	40.2	31.7	47.5





#57

1,3-Dichloropropane

Concen: 20.755 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 76 Resp: 146402

Ion Ratio Lower Upper

76 100

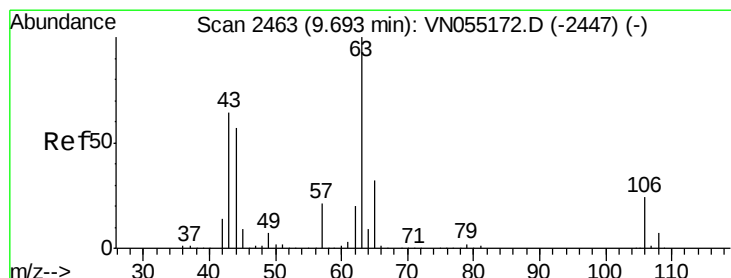
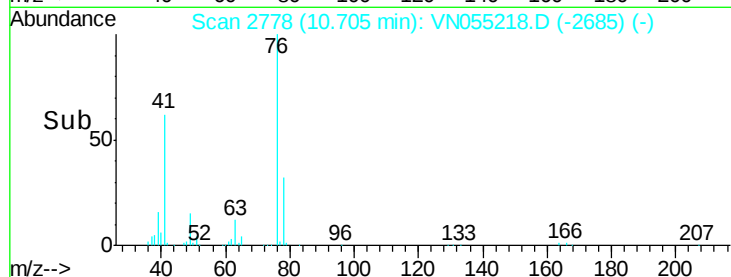
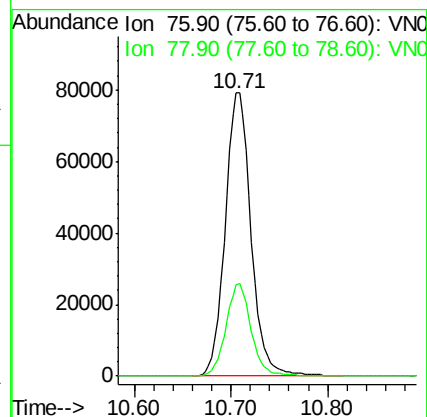
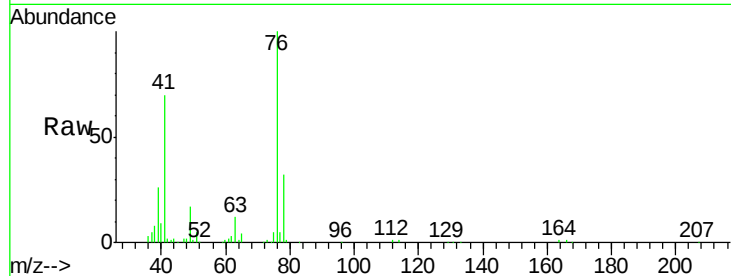
78 31.7 25.3 37.9

Manual Integrations

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MMDadoda

4/25/2019 12:40:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 87.171 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055218.D

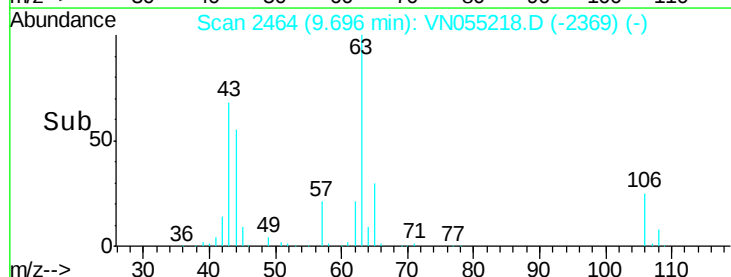
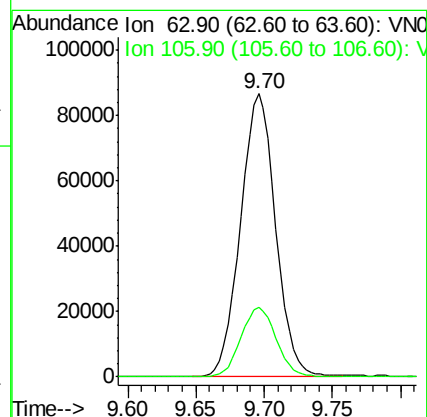
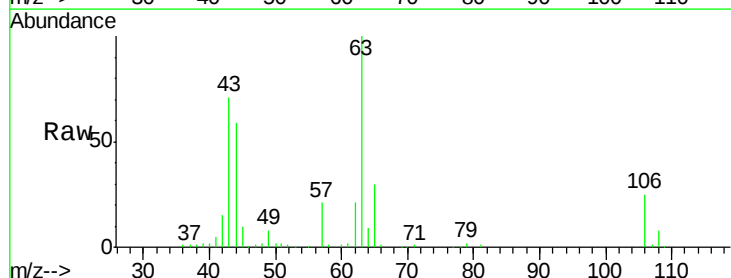
Acq: 24 Apr 2019 11:04

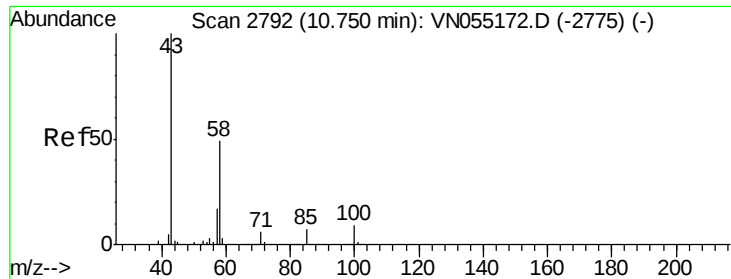
Tgt Ion: 63 Resp: 154671

Ion Ratio Lower Upper

63 100

106 25.0 19.4 29.0





#59

2-Hexanone

Concen: 110.823 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 43 Resp: 319893

Ion Ratio Lower Upper

43 100

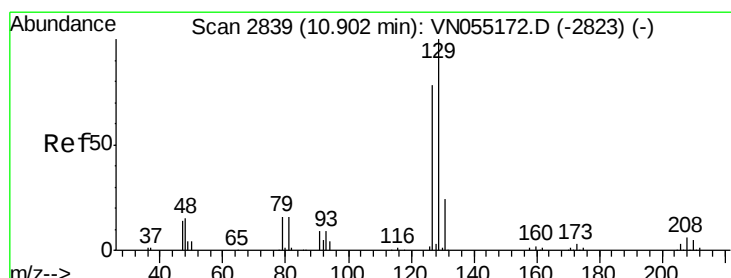
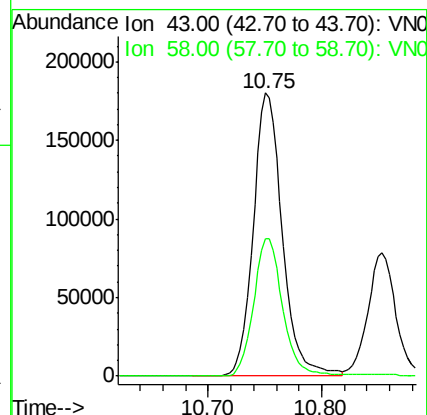
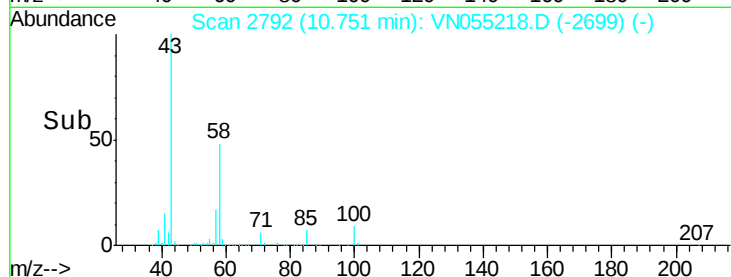
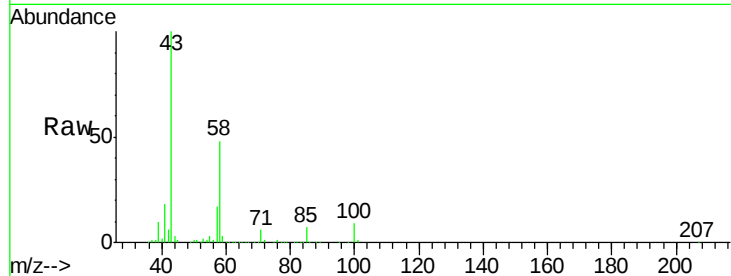
58 48.8 24.5 73.5

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#60

Dibromochloromethane

Concen: 20.250 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055218.D

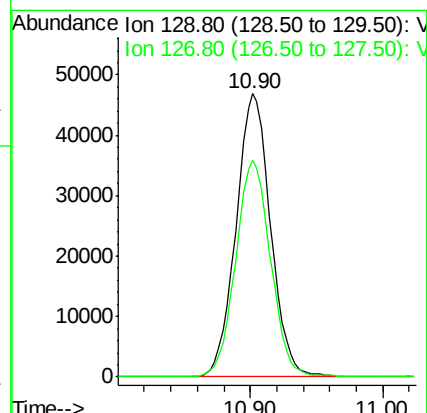
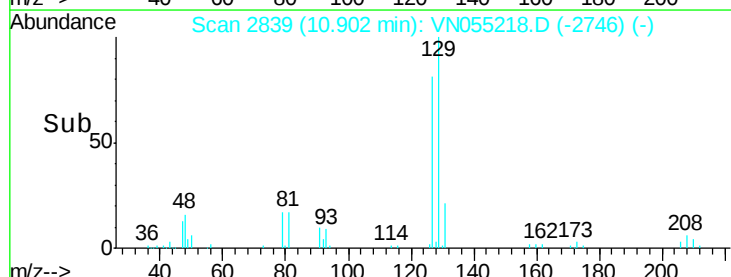
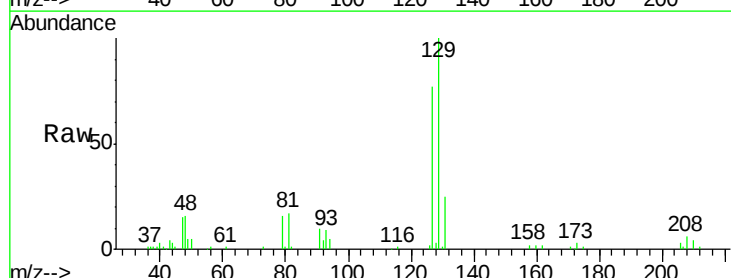
Acq: 24 Apr 2019 11:04

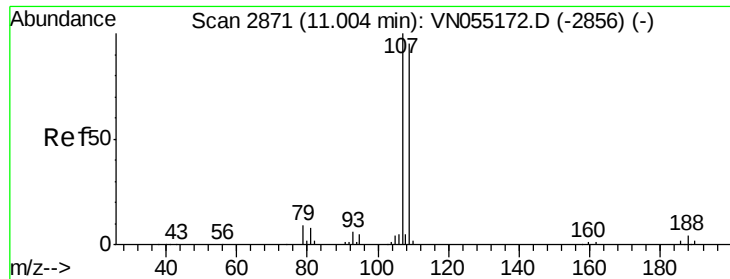
Tgt Ion: 129 Resp: 84566

Ion Ratio Lower Upper

129 100

127 77.1 39.0 117.0





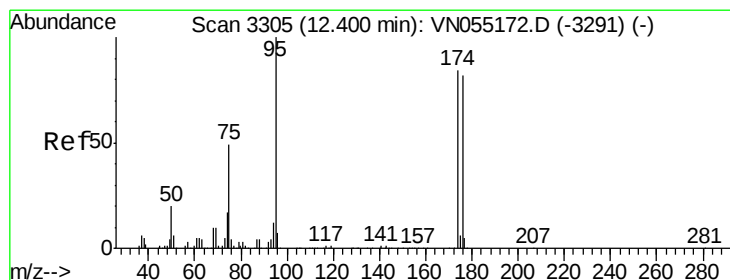
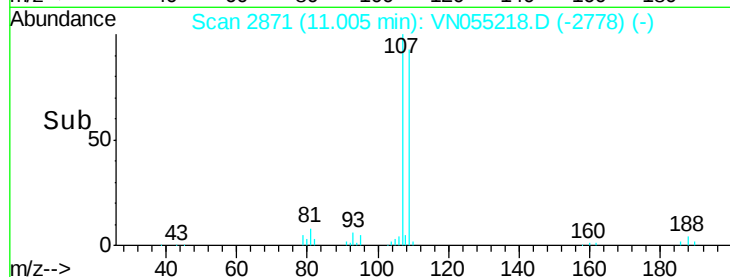
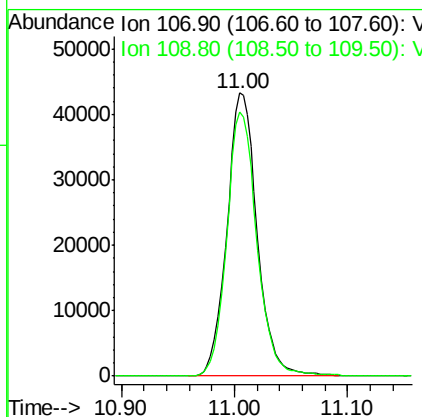
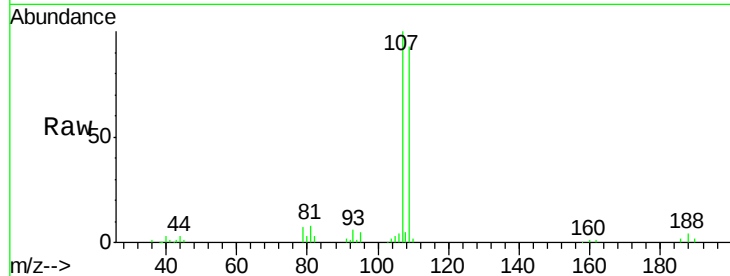
#61
 1,2-Dibromoethane
 Concen: 21.099 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion: 107 Resp: 80426
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.8 113.6

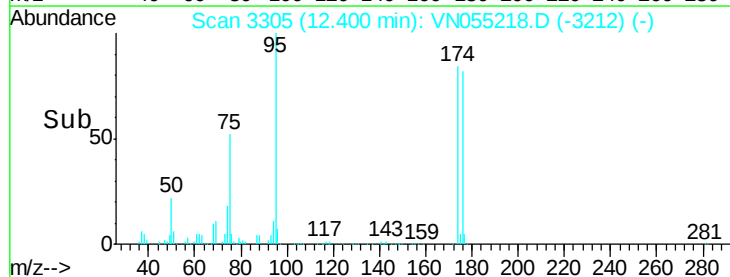
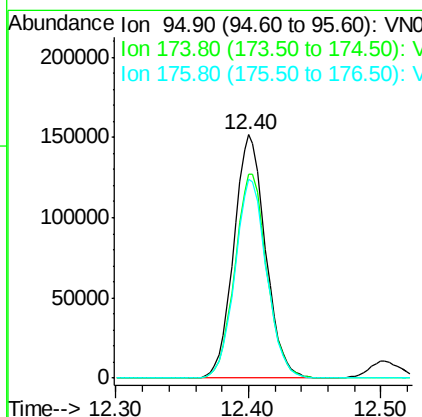
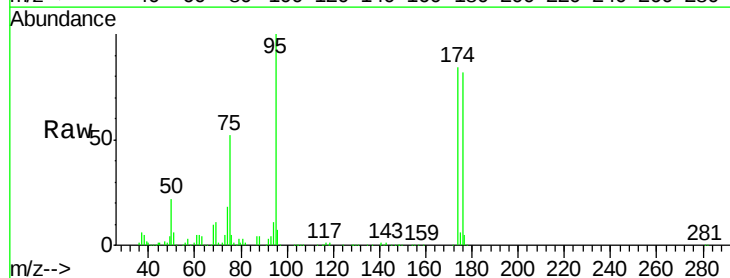
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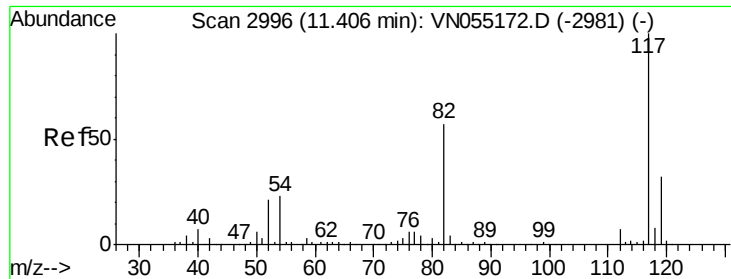
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#62
 4-Bromofluorobenzene
 Concen: 48.241 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion: 95 Resp: 251761
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 168.4
 176 81.5 0.0 164.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

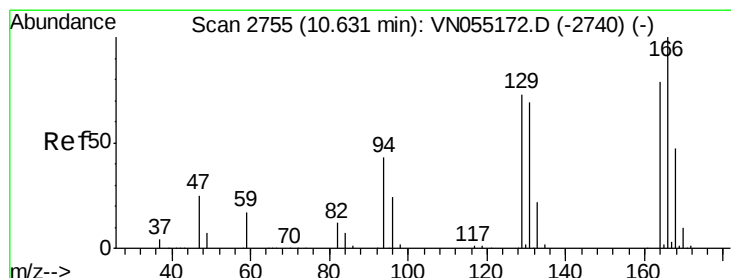
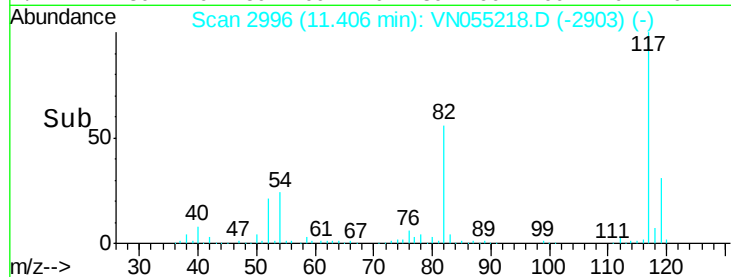
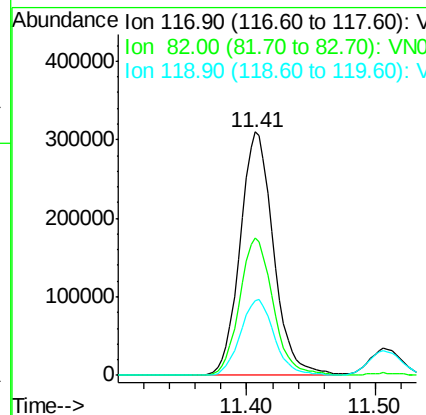
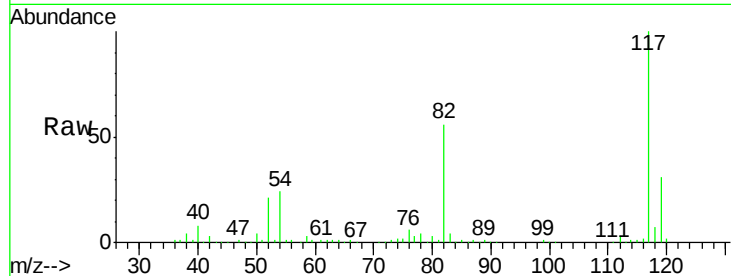
ClientSampleId :

VN0424WBS01

Tot Ion:	117	Resp:	558186
Ion Ratio	Lower	Upper	
117	100		
82	56.3	45.7	68.5
119	30.8	25.4	38.2

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#64

Tetrachloroethene

Concen: 20.224 ug/l

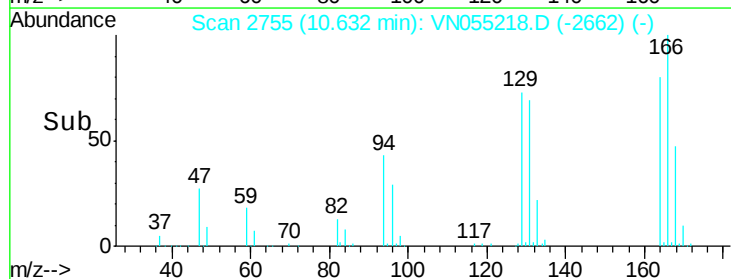
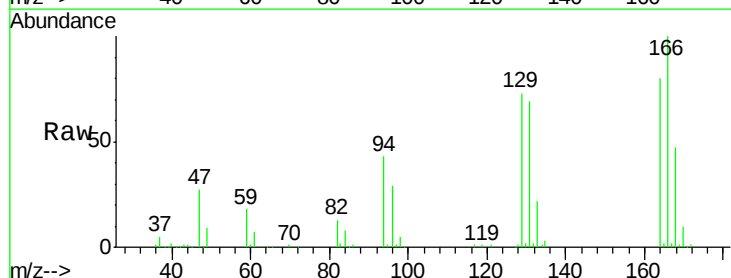
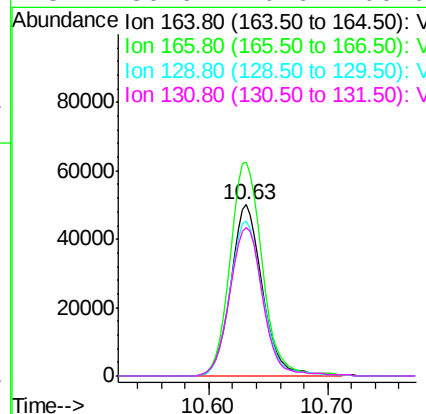
RT: 10.63 min Scan# 2755

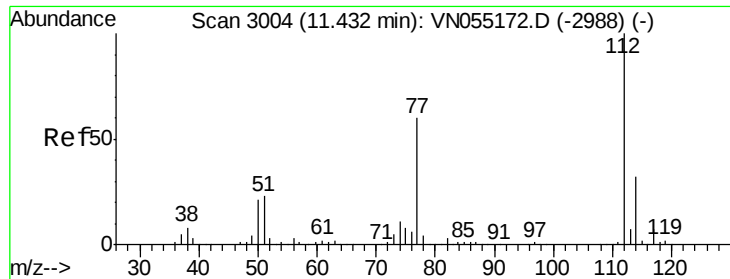
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	164	Resp:	92092
Ion Ratio	Lower	Upper	
164	100		
166	124.9	101.9	152.9
129	90.8	74.1	111.1
131	86.6	70.6	106.0





#65

Chlorobenzene

Concen: 19.747 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion:112 Resp: 224983

Ion Ratio Lower Upper

112 100

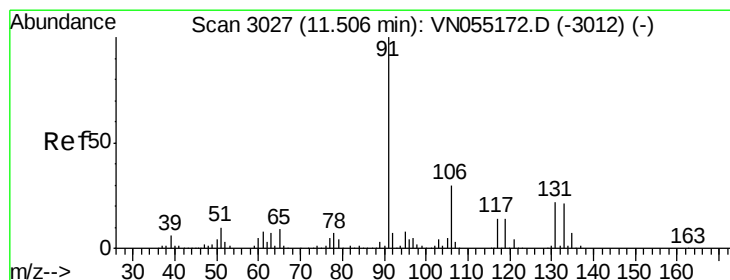
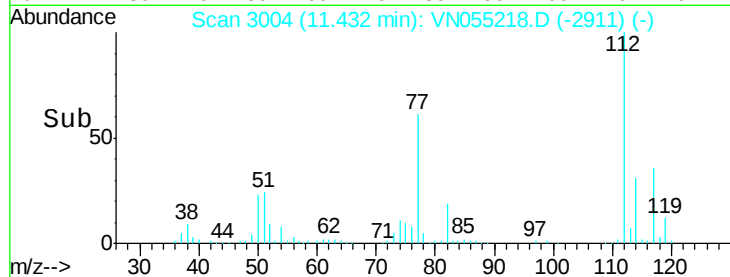
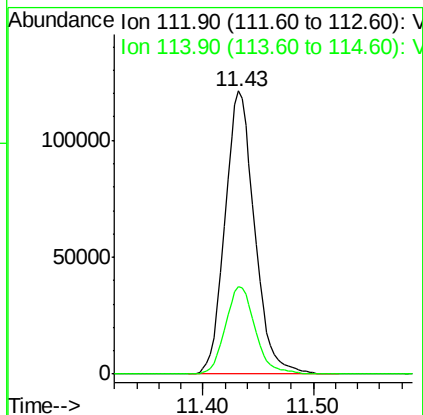
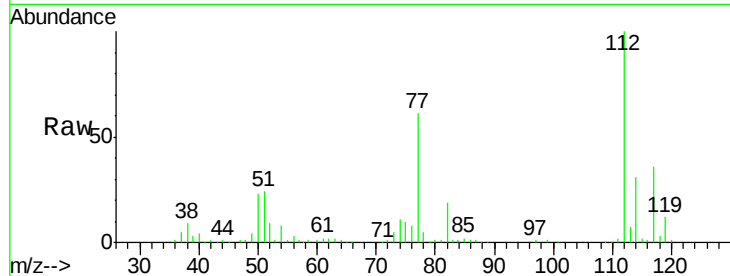
114 31.0 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.313 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

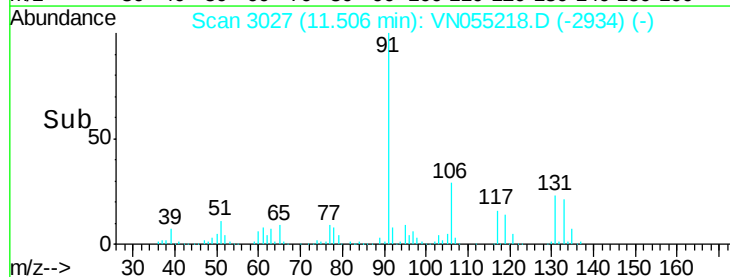
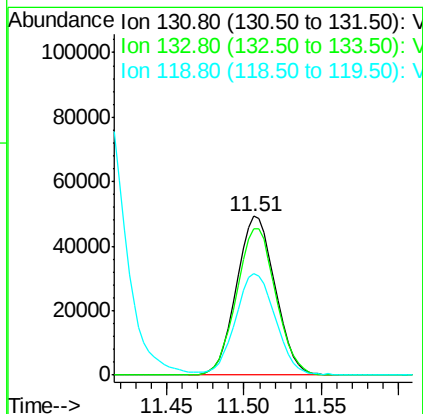
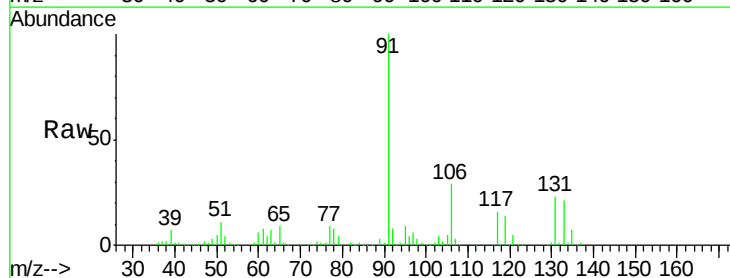
Tgt Ion:131 Resp: 85776

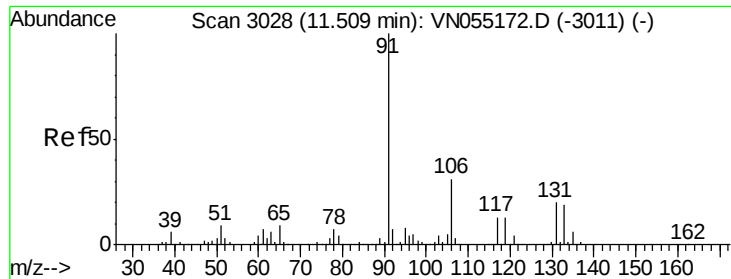
Ion Ratio Lower Upper

131 100

133 93.6 47.7 143.1

119 65.7 33.2 99.6





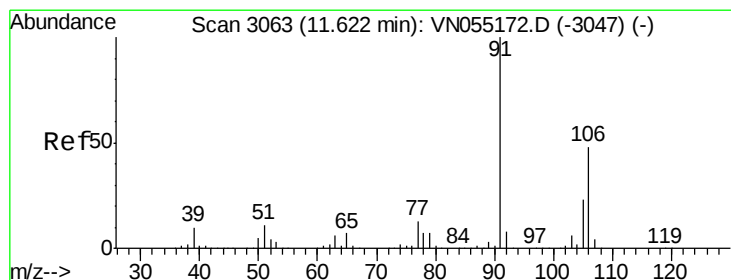
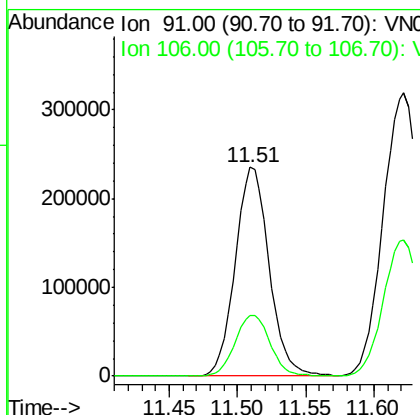
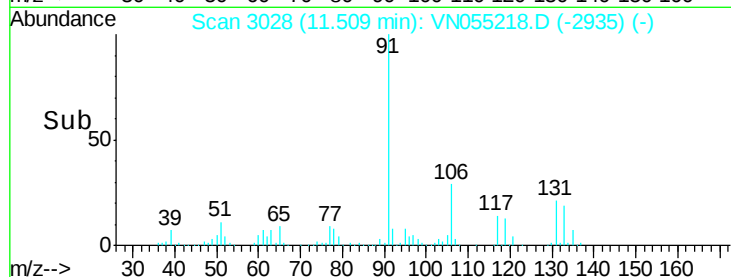
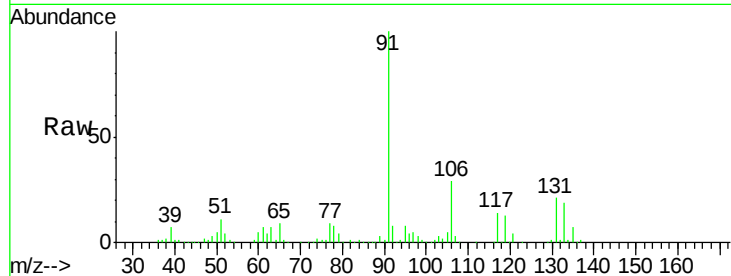
#67
Ethyl Benzene
Concen: 20.058 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion: 91 Resp: 407066
Ion Ratio Lower Upper
91 100
106 29.3 24.5 36.7

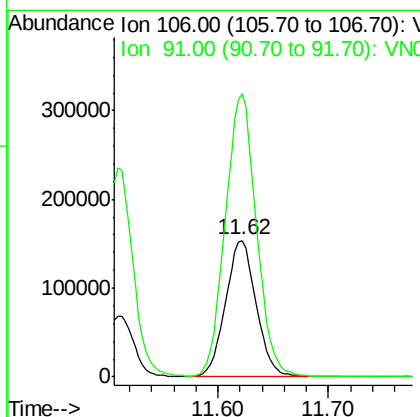
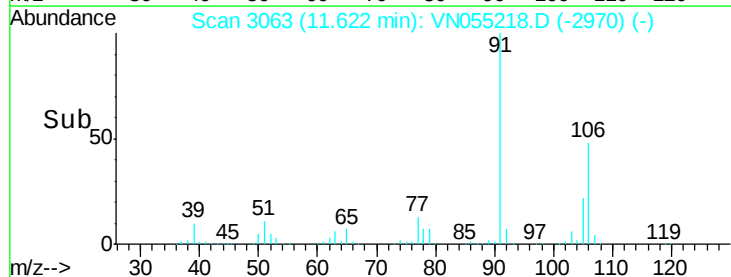
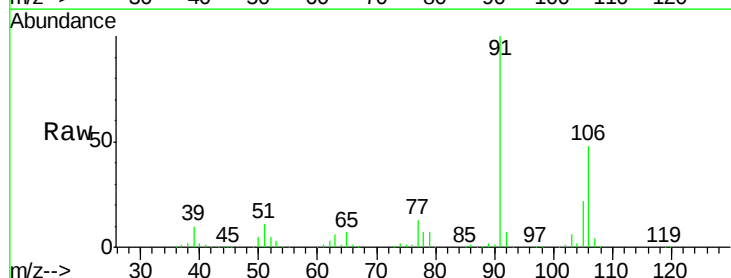
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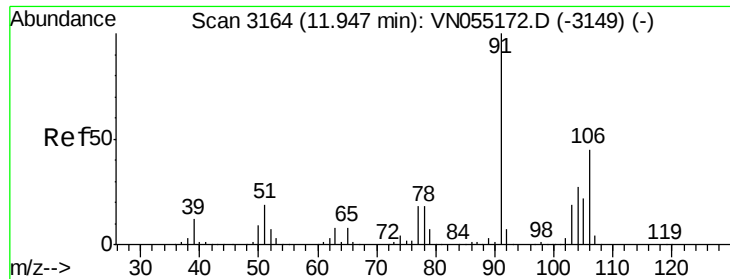
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#68
m/p-Xylenes
Concen: 40.772 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion: 106 Resp: 296780
Ion Ratio Lower Upper
106 100
91 210.3 167.1 250.7





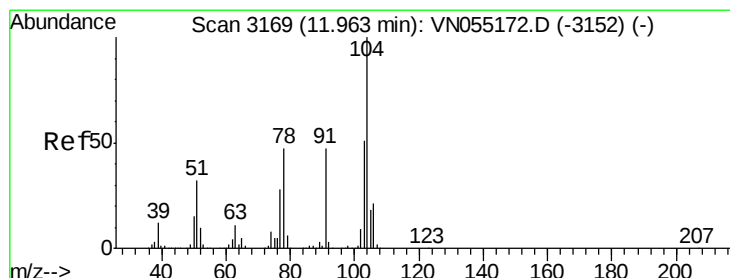
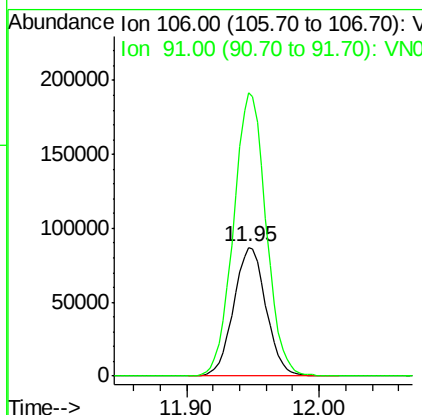
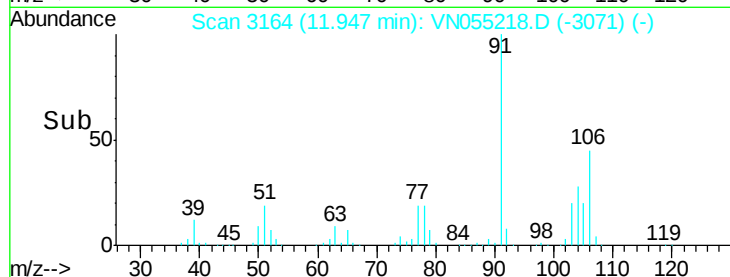
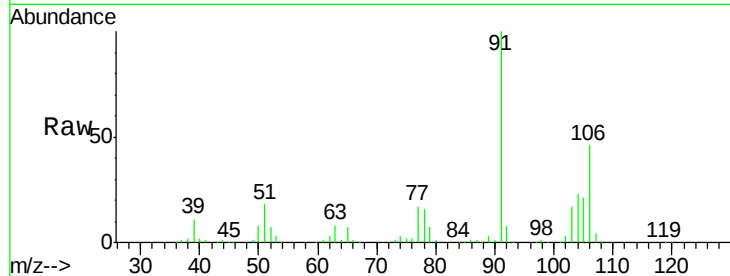
#69
o-Xylene
Concen: 20.468 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampled :
VN0424WBS01

Tot Ion:106 Resp: 147852
Ion Ratio Lower Upper
106 100
91 220.6 110.6 331.8

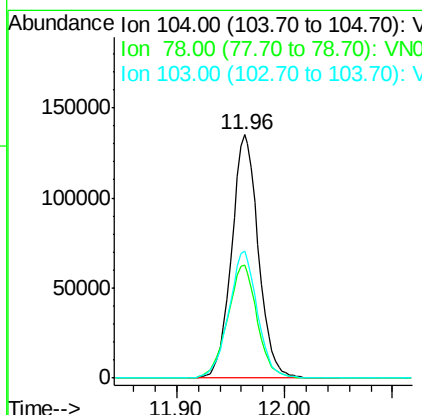
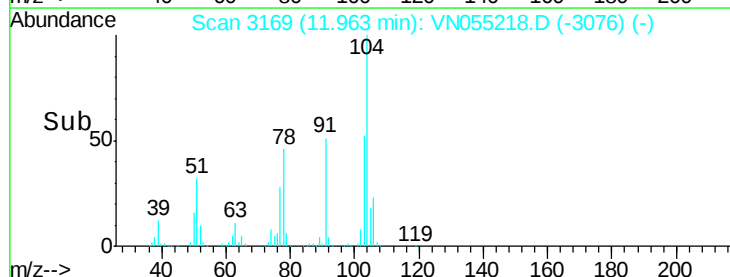
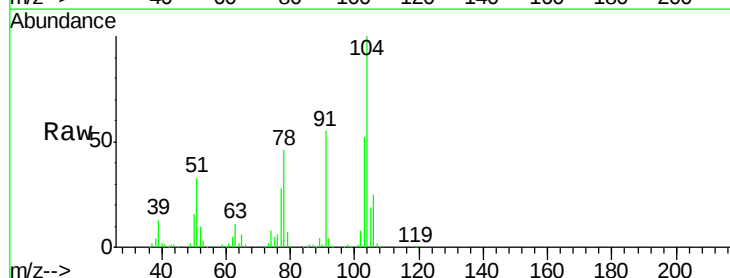
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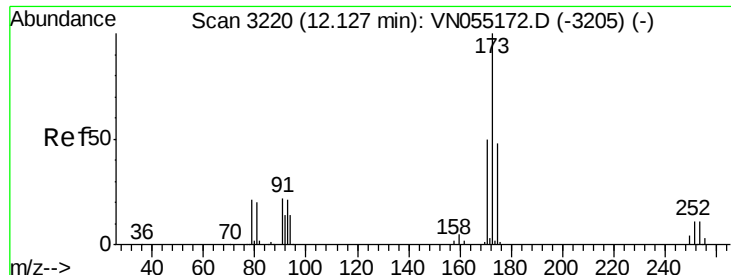
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#70
Styrene
Concen: 20.911 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion:104 Resp: 234139
Ion Ratio Lower Upper
104 100
78 51.0 41.3 61.9
103 55.5 44.2 66.4





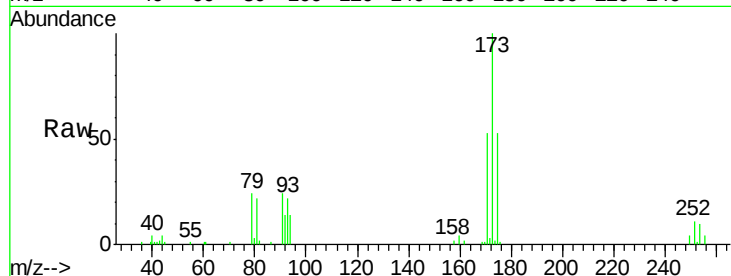
#71
Bromoform
Concen: 20.721 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

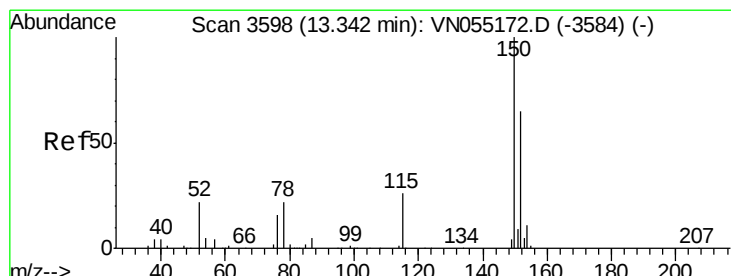
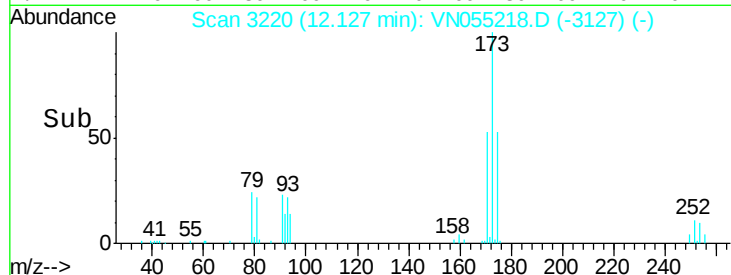
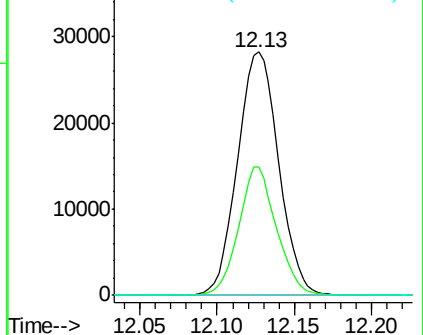
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.2
254	0.0	0.1	0.1#

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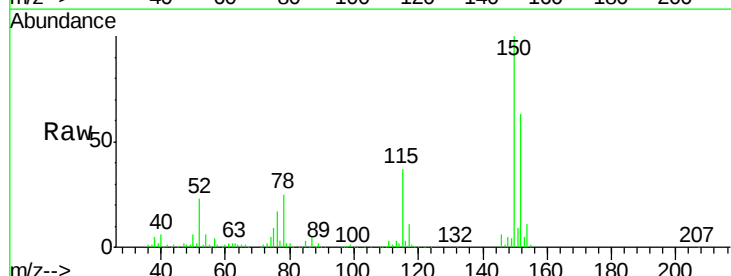


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

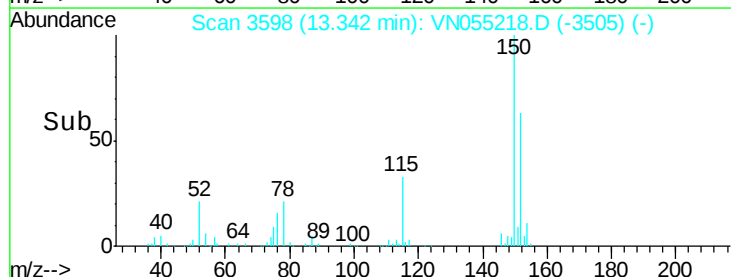
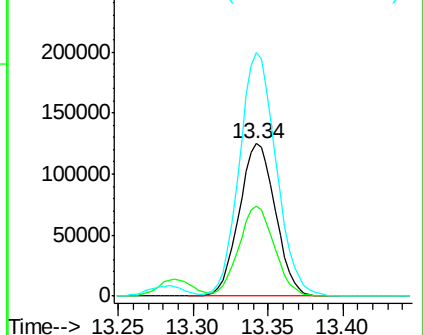


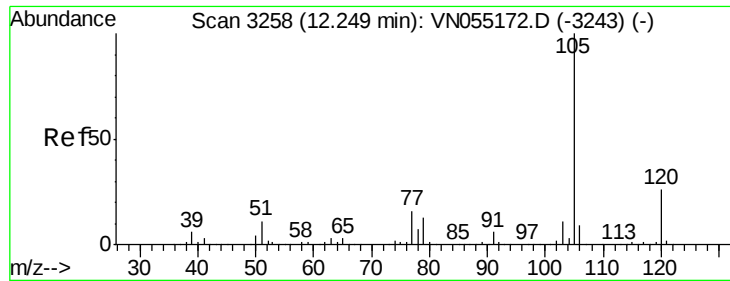
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.7
150	163.1	0.0	346.6



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





#73

Isopropylbenzene

Concen: 22.128 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 105 Resp: 394710

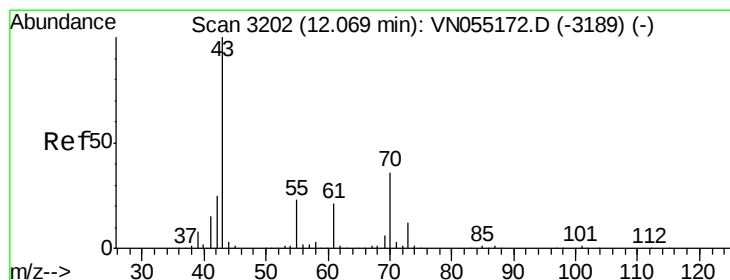
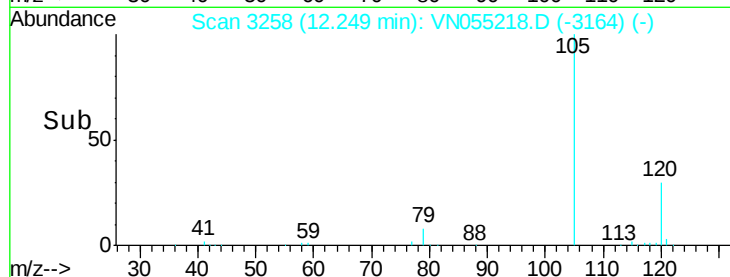
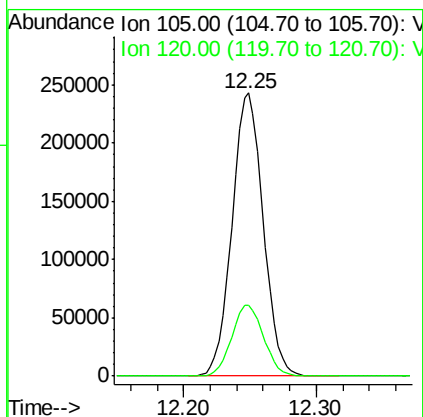
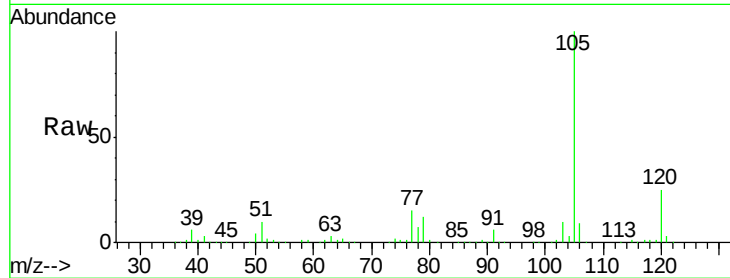
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 21.422 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion: 43 Resp: 116017

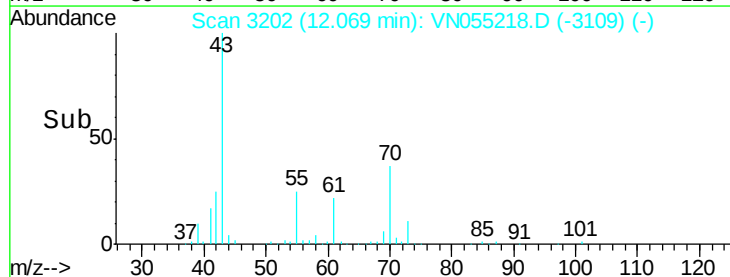
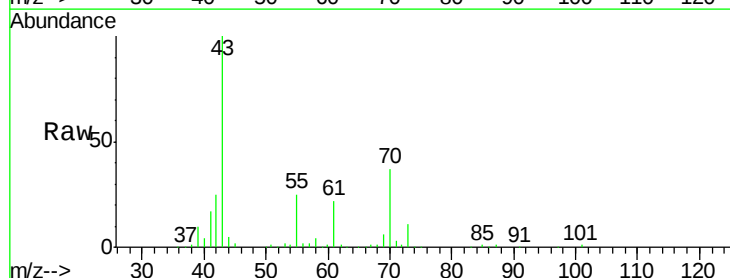
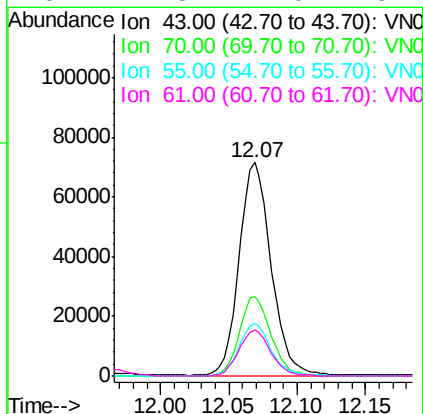
Ion Ratio Lower Upper

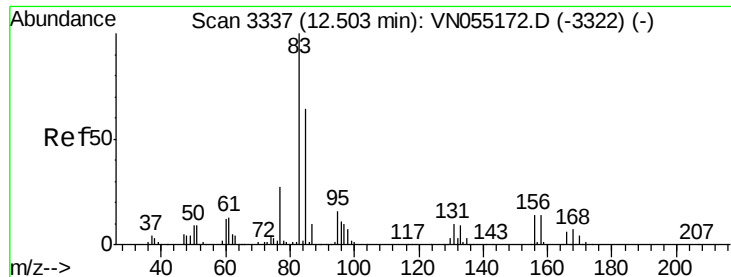
43 100

70 36.9 29.0 43.6

55 24.6 18.5 27.7

61 21.8 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.722 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

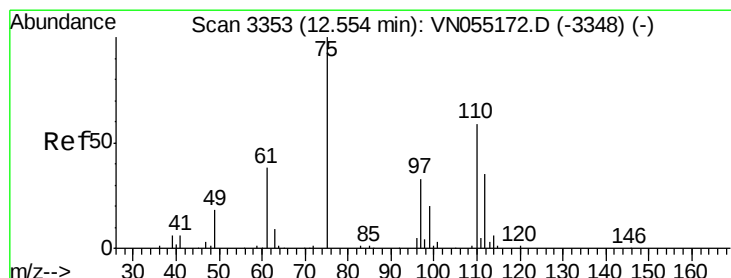
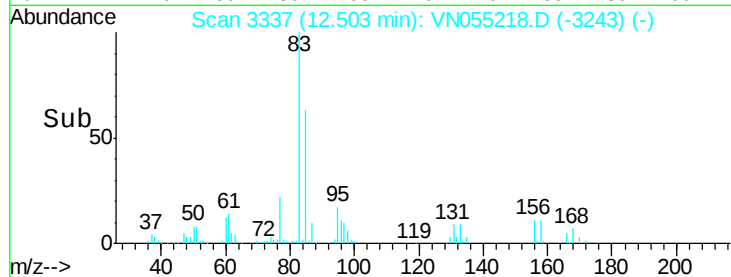
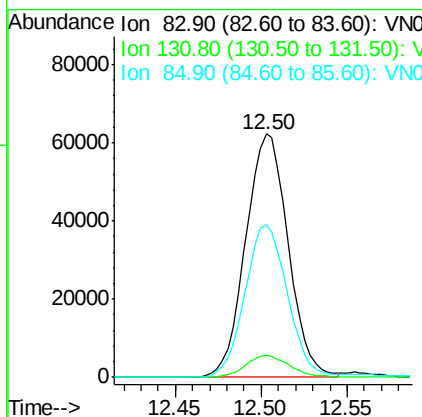
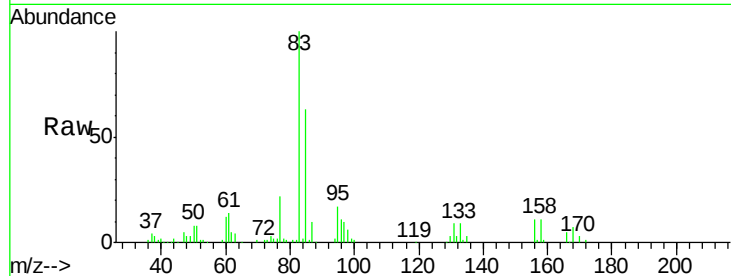
ClientSampleId :

VN0424WBS01

Tot Ion:	83	Resp:	106817
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	62.6	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.307 ug/l m

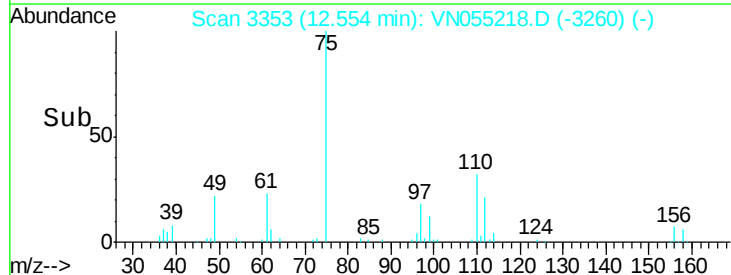
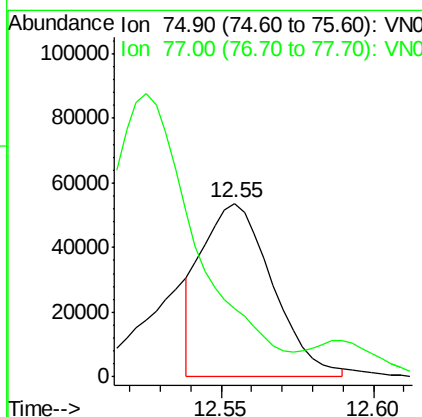
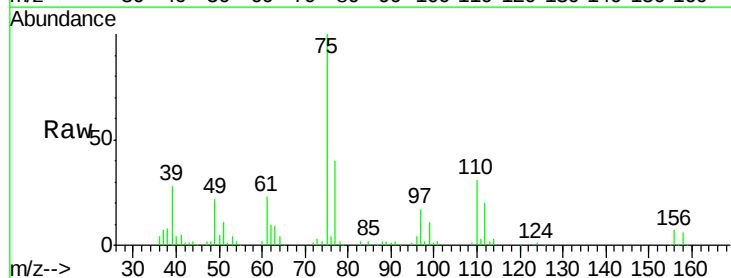
RT: 12.55 min Scan# 3353

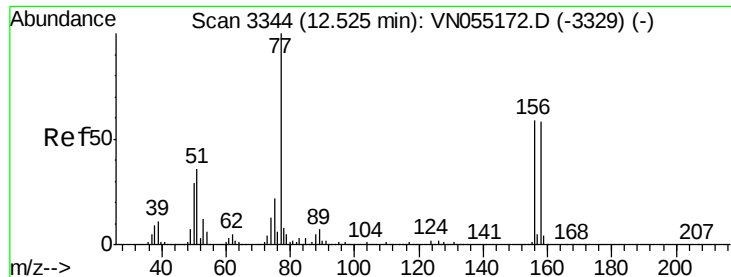
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	75	Resp:	86537
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.639 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

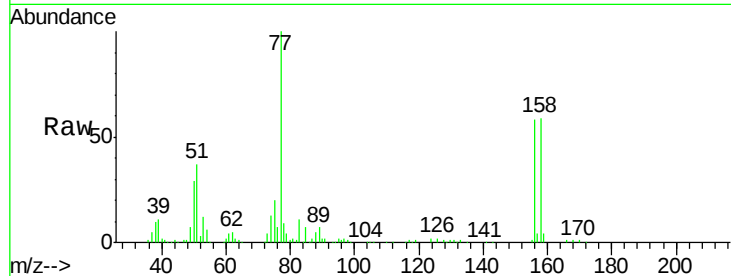
ClientSampleId :

VN0424WBS01

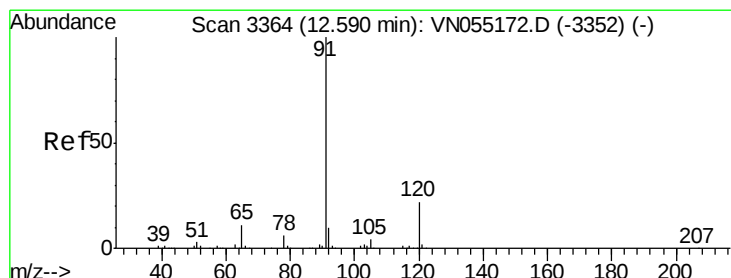
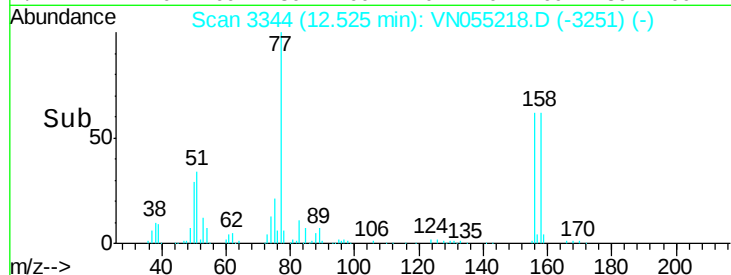
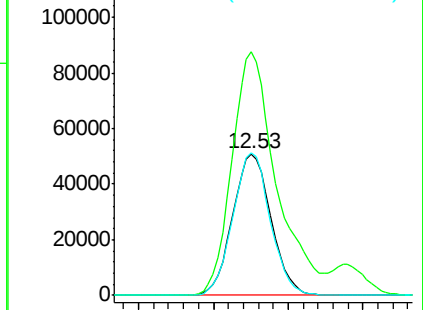
Tot Ion:	156	Resp:	91072
Ion Ratio	Lower	Upper	
156	100		
77	199.2	98.0	293.9
158	97.7	48.9	146.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.787 ug/l

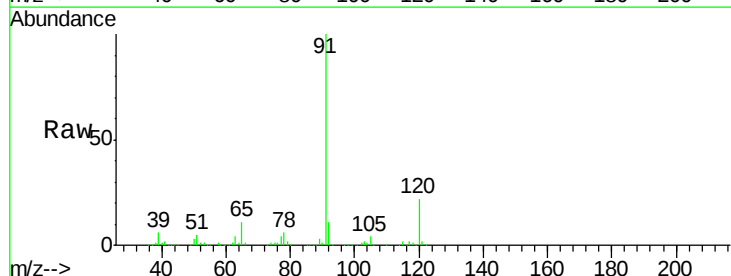
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

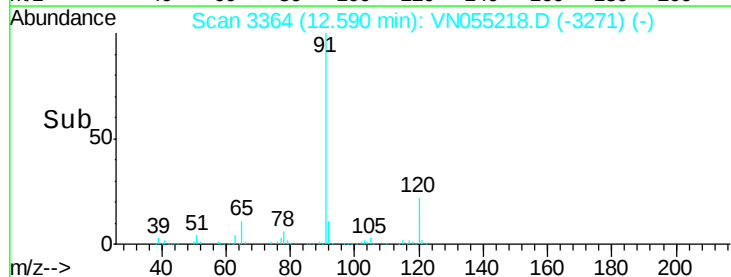
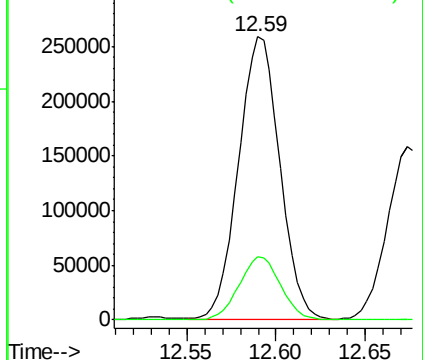
Lab File: VN055218.D

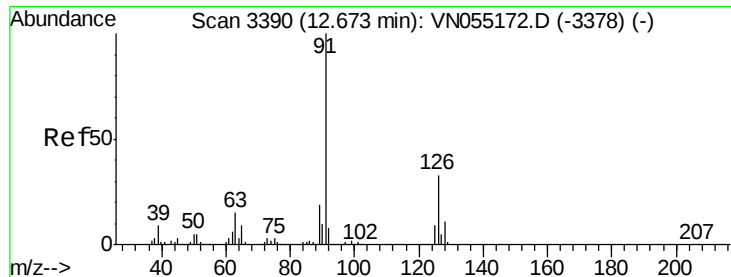
Acq: 24 Apr 2019 11:04

Tgt Ion:	91	Resp:	416824
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.746 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBS01

Tot Ion: 91 Resp: 262659

Ion Ratio Lower Upper

91 100

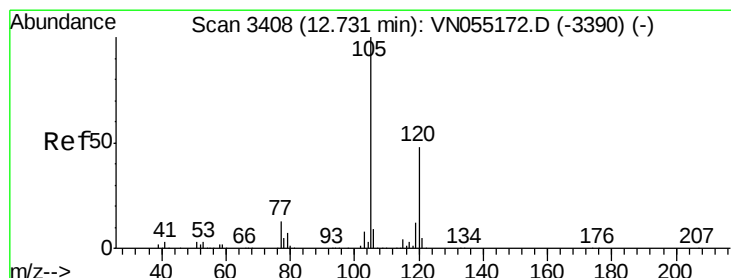
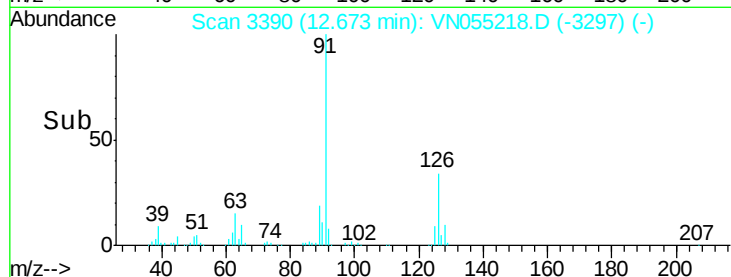
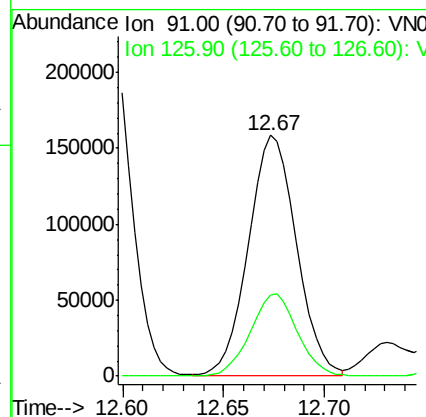
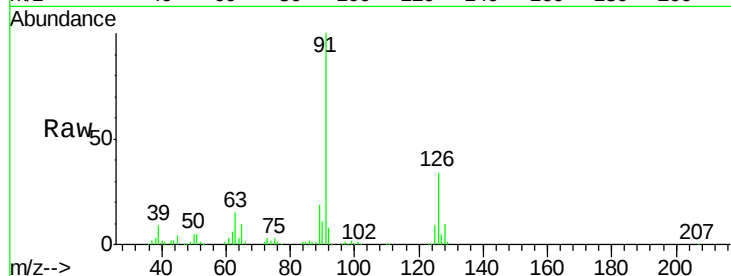
126 33.7 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.219 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055218.D

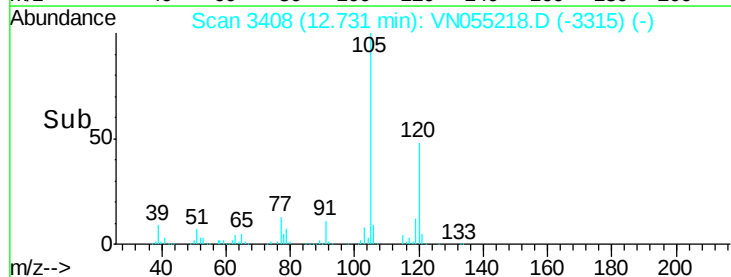
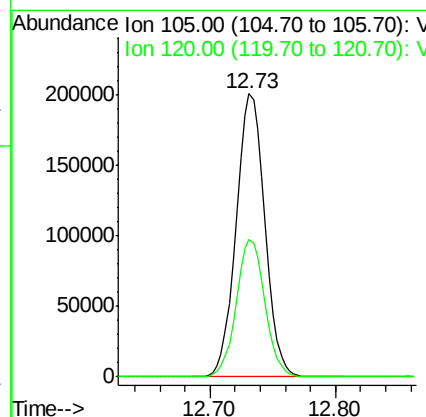
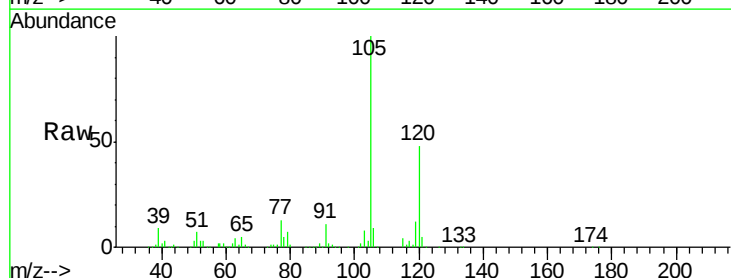
Acq: 24 Apr 2019 11:04

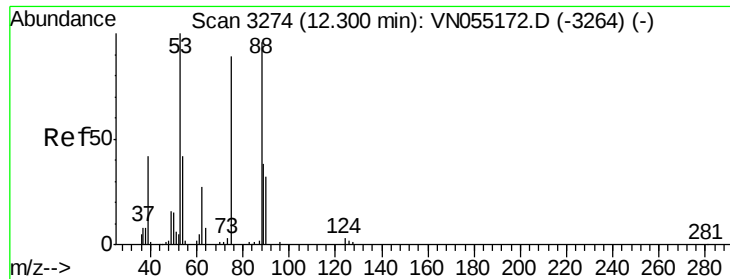
Tgt Ion: 105 Resp: 317946

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





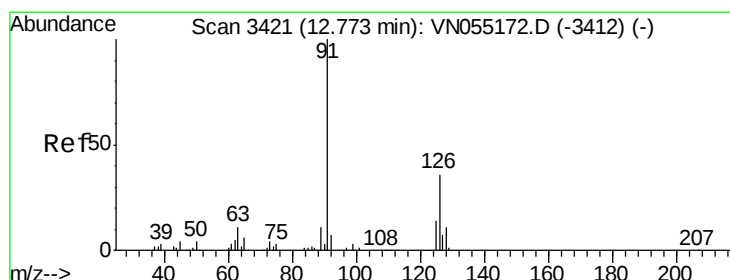
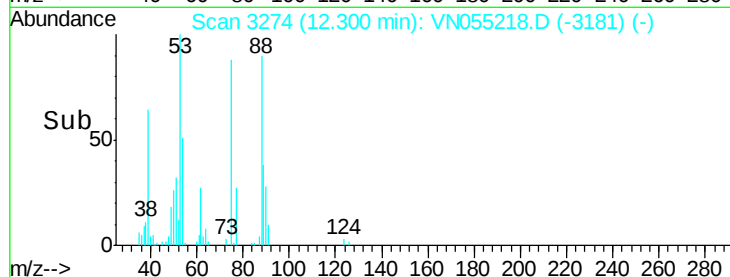
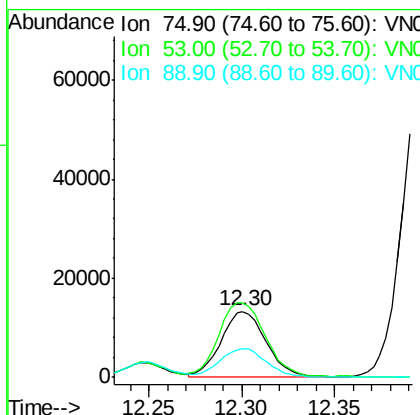
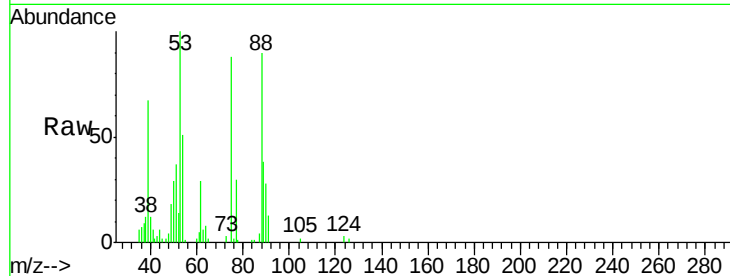
#81
trans-1,4-Dichloro-2-butene
Concen: 20.120 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.7	90.1	135.1
89	44.2	36.7	55.1

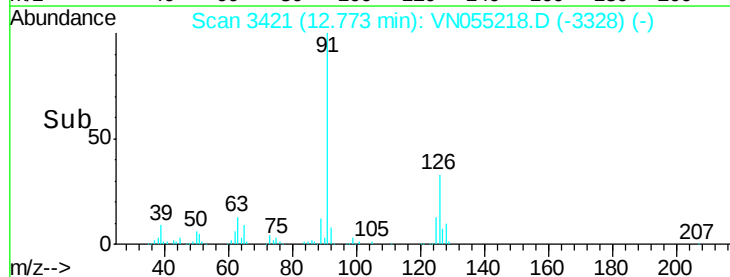
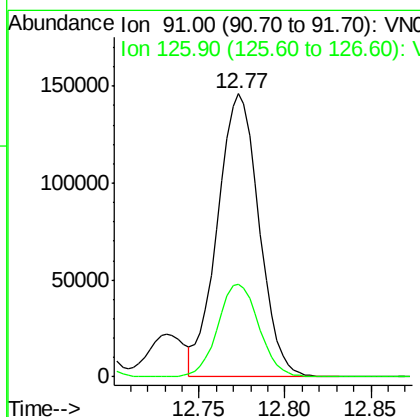
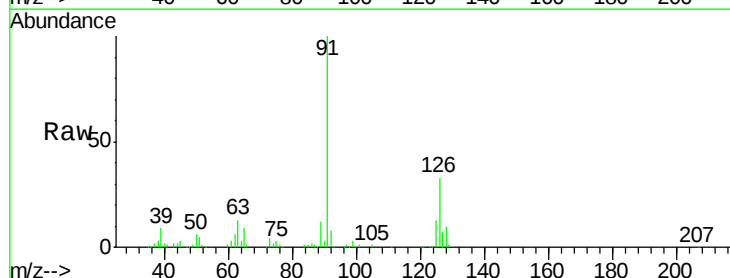
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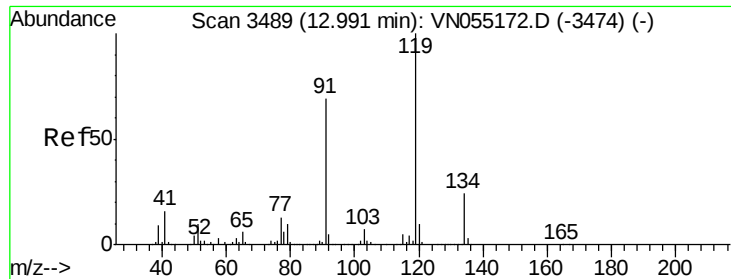
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#82
4-Chlorotoluene
Concen: 20.025 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.5	49.5





#83

tert-Butylbenzene

Concen: 21.622 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

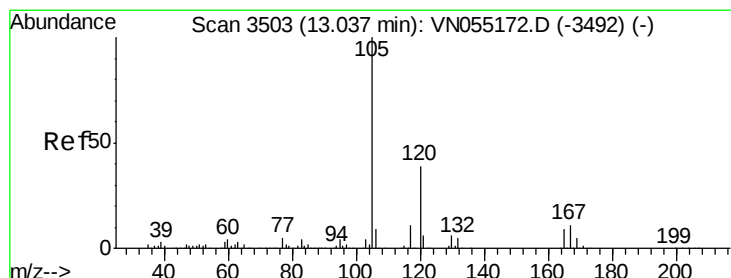
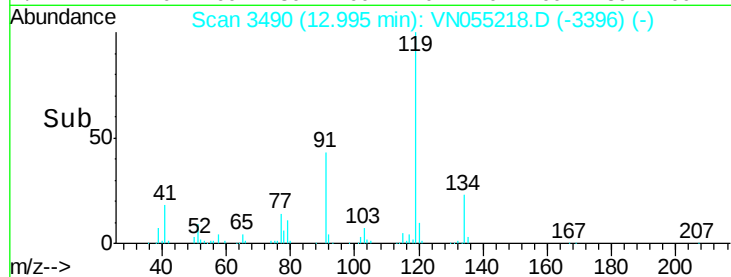
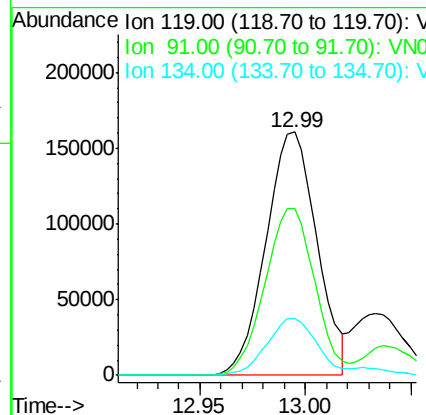
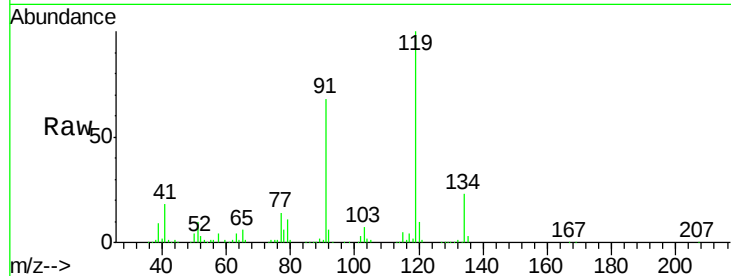
ClientSampleId :

VN0424WBS01

Tot Ion:	119	Resp:	270227
Ion Ratio	Lower	Upper	
119	100		
91	67.1	33.8	101.3
134	23.0	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.410 ug/l

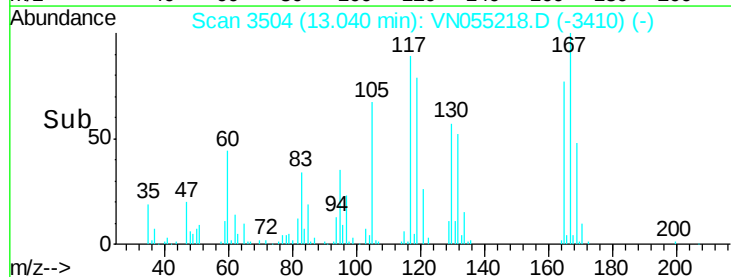
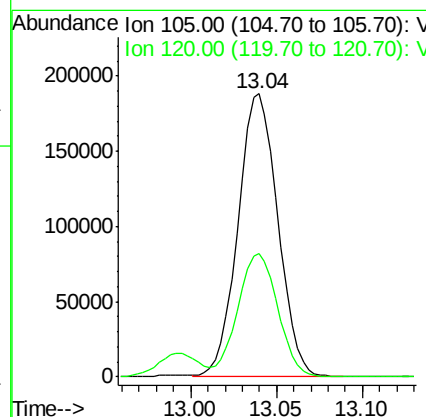
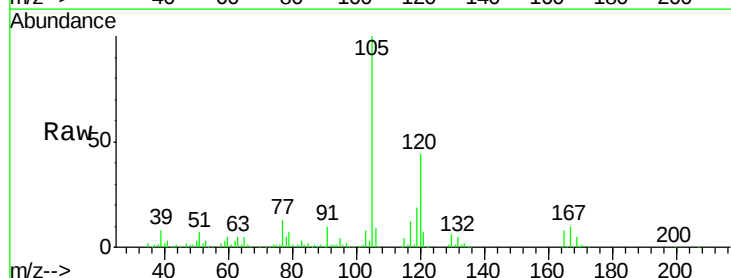
RT: 13.04 min Scan# 3504

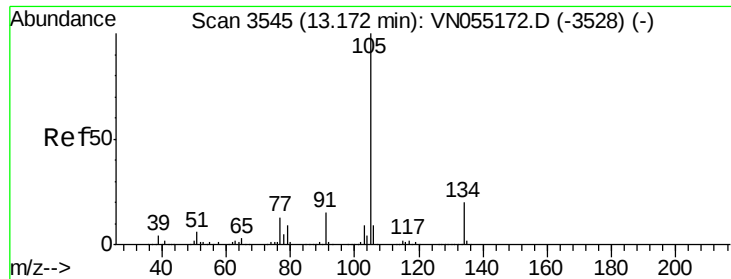
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	105	Resp:	302871
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.595 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

ClientSampleID :

VN0424WBS01

Tot Ion:105 Resp: 348585

Ion Ratio Lower Upper

105 100

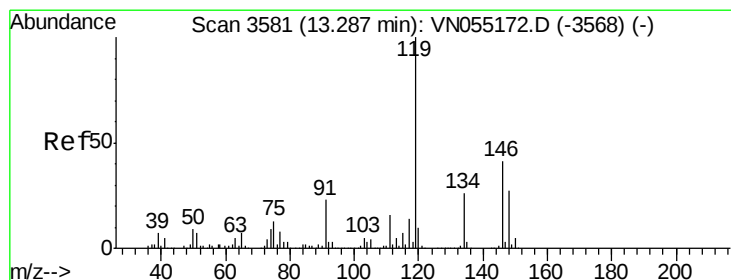
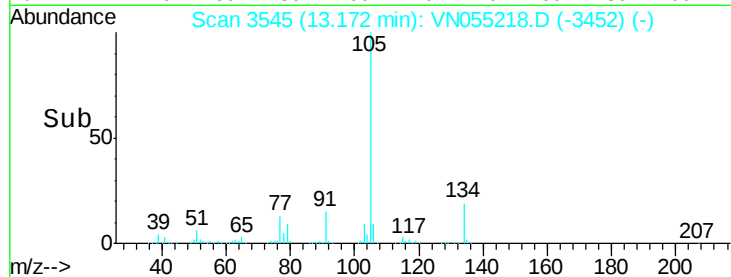
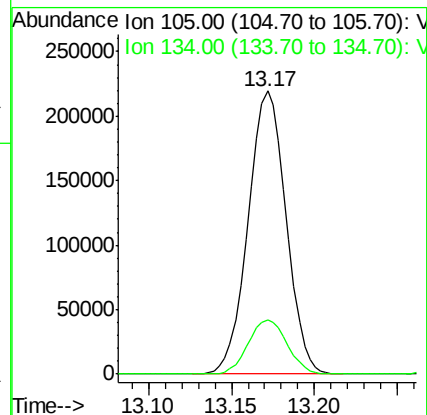
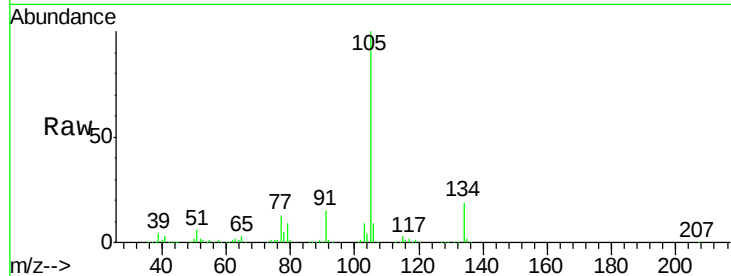
134 19.7 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 19.880 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

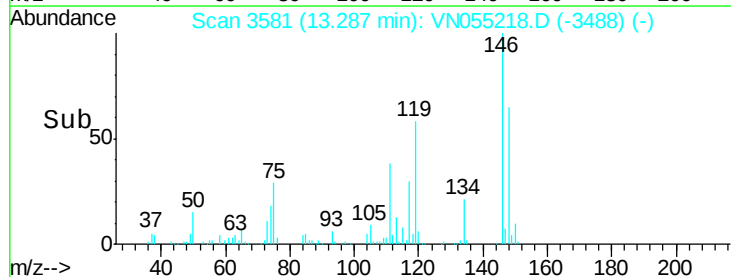
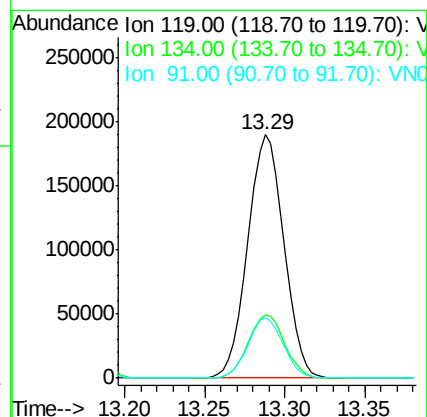
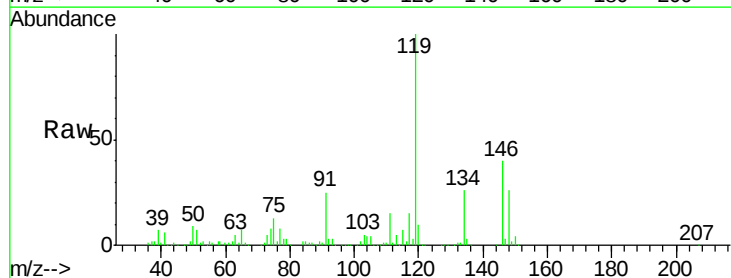
Tgt Ion:119 Resp: 291374

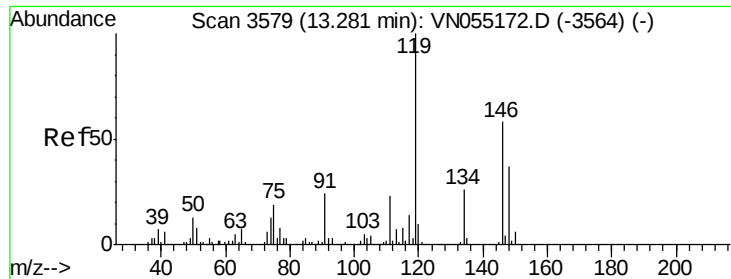
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.4 11.8 35.3





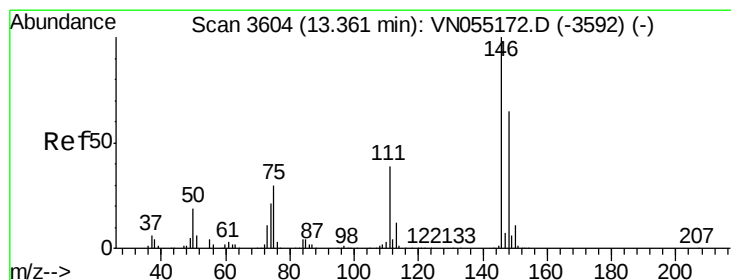
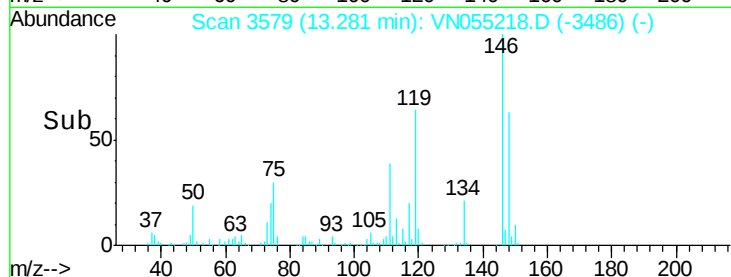
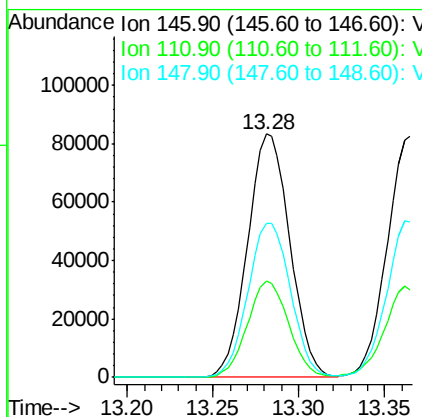
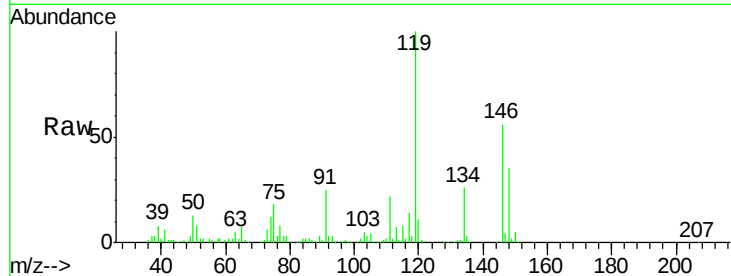
#87
 1,3-Dichlorobenzene
 Concen: 19.988 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.8	32.0	96.0

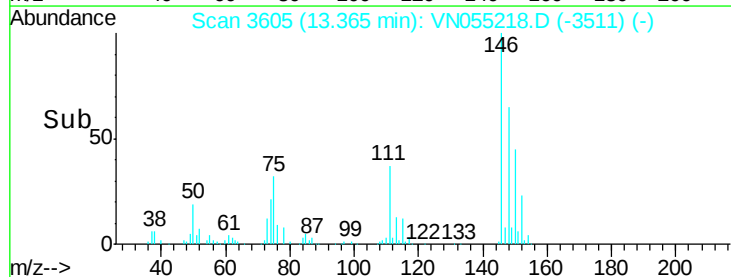
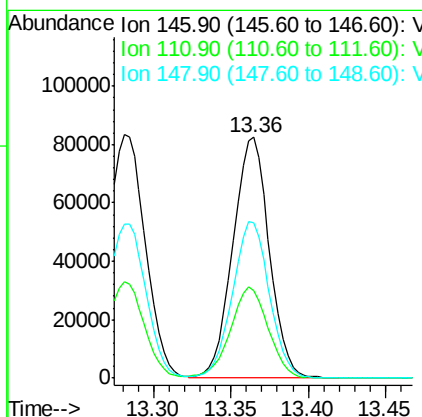
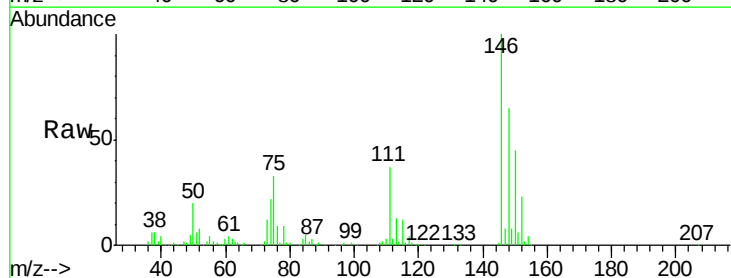
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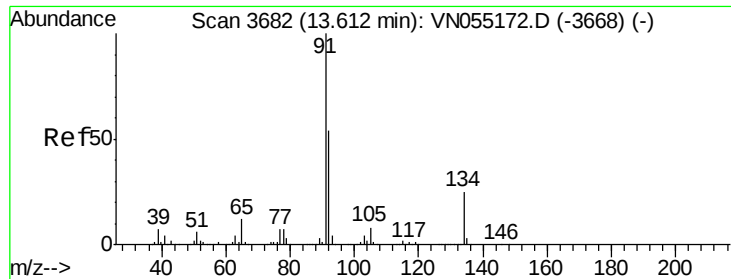
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#88
 1,4-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.2
148	65.9	32.9	98.6





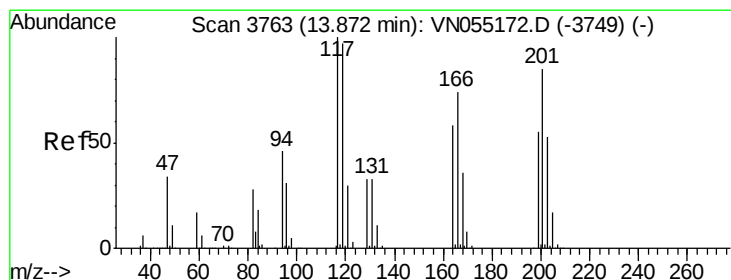
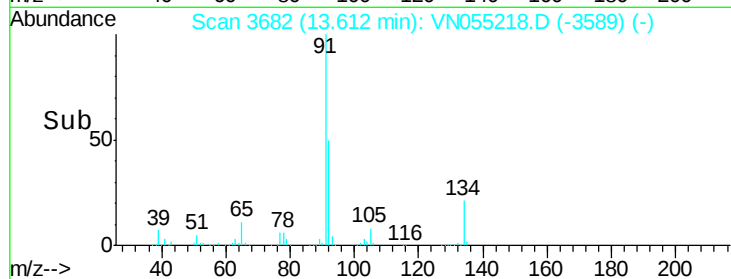
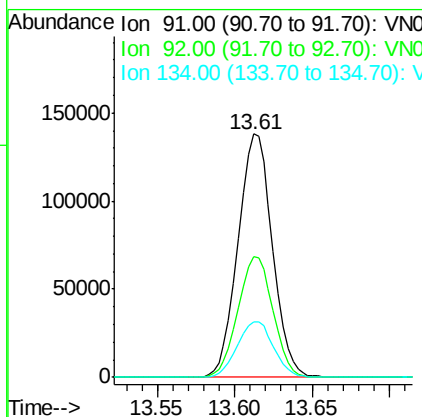
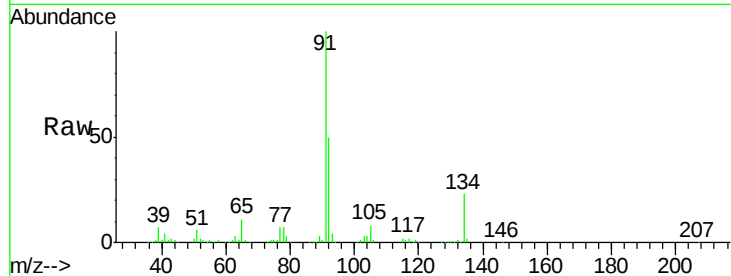
#89
n-Butylbenzene
Concen: 19.651 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.4	79.2
134	24.2	12.8	38.4

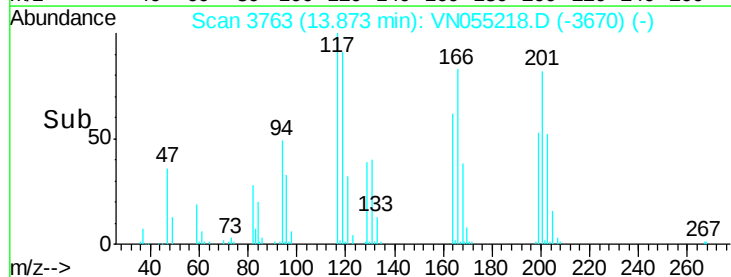
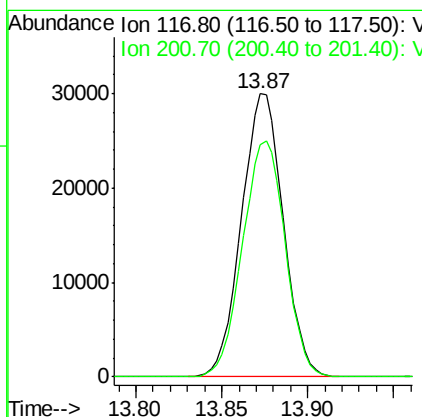
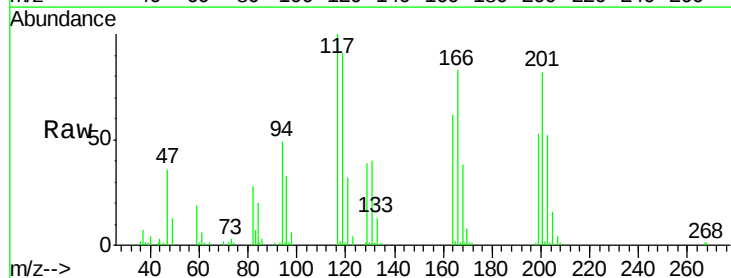
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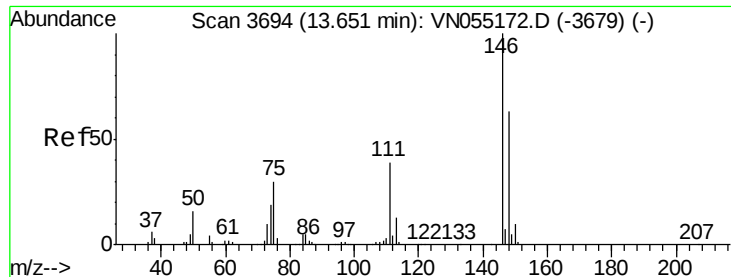
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#90
Hexachloroethane
Concen: 19.482 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055218.D
Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	43.1	129.4





#91

1,2-Dichlorobenzene

Concen: 19.368 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

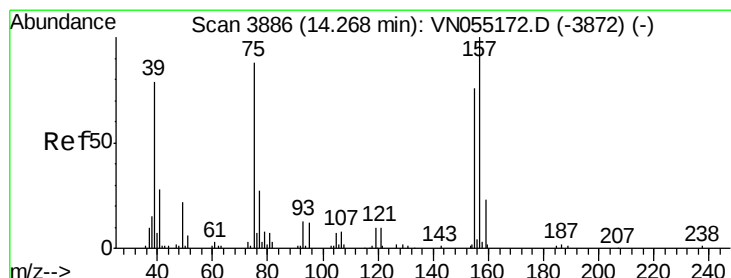
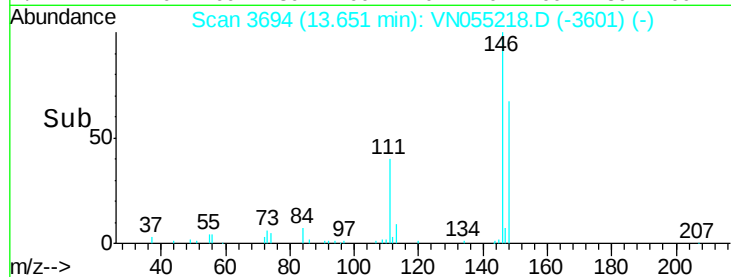
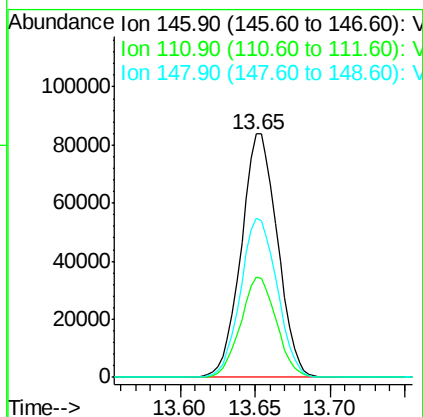
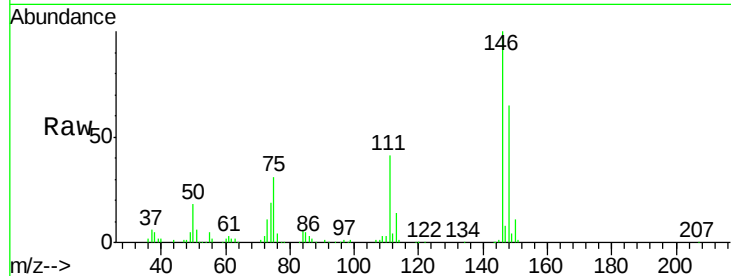
ClientSampleId :

VN0424WBS01

Tot Ion:	146	Resp:	141613
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.8	59.3
148	65.8	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.011 ug/l

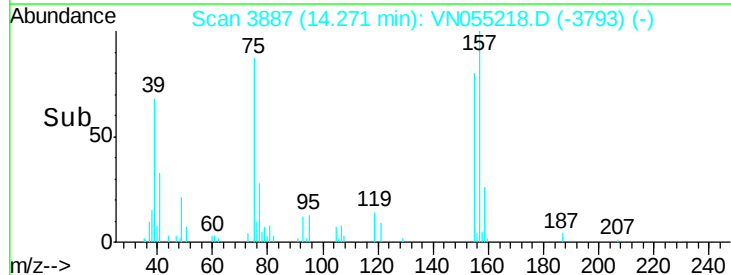
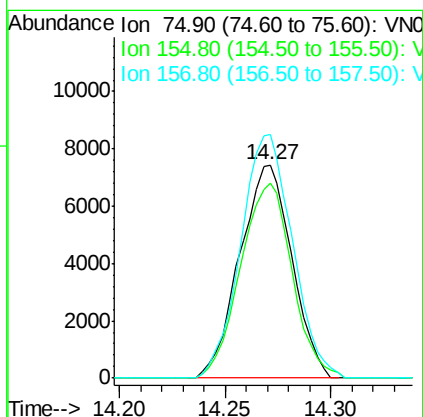
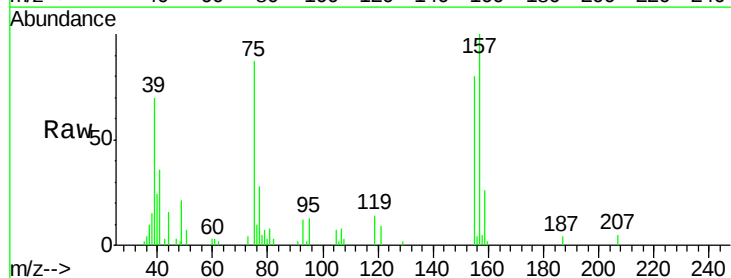
RT: 14.27 min Scan# 3887

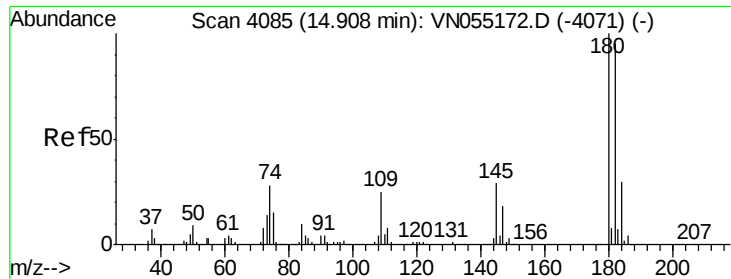
Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	75	Resp:	12764
Ion Ratio	Lower	Upper	
75	100		
155	90.8	43.0	129.0
157	113.7	55.7	167.1





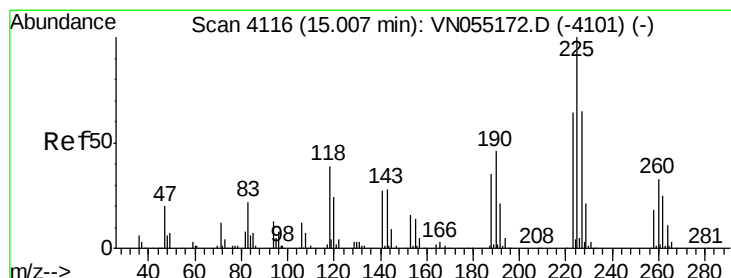
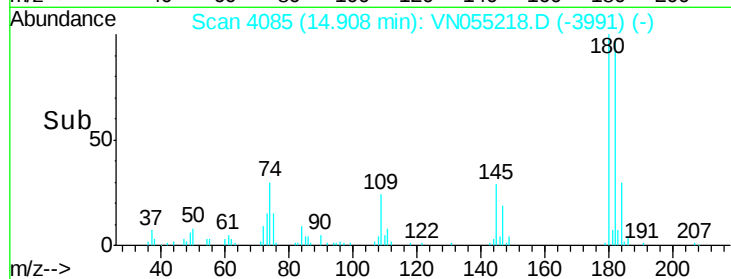
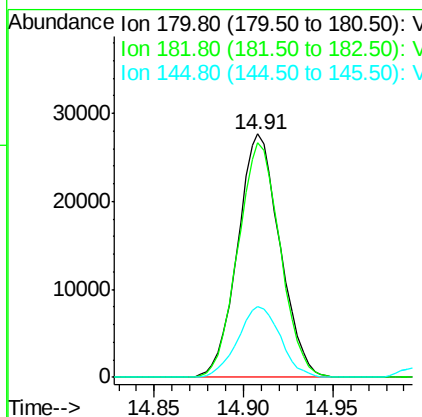
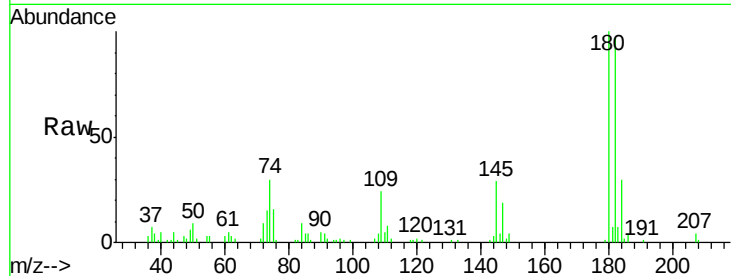
#93
 1,2,4-Trichlorobenzene
 Concen: 16.722 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	29.4	14.5	43.5

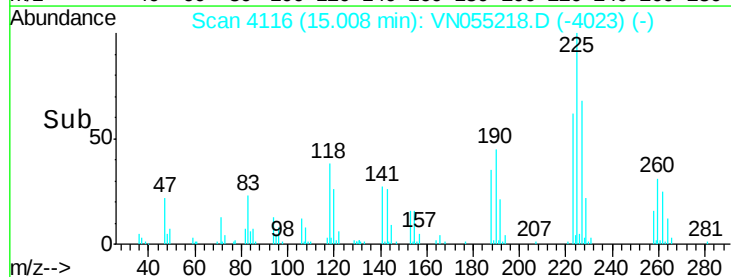
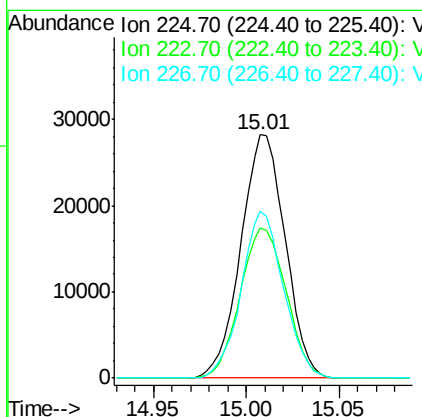
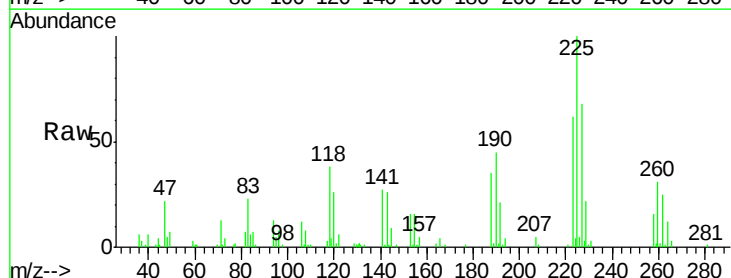
Manual Integrations
 APPROVED

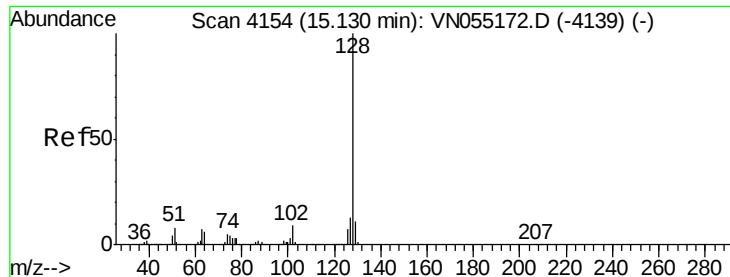
MMDadoda
 4/25/2019 12:40:02 PM



#94
 Hexachlorobutadiene
 Concen: 20.634 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055218.D
 Acq: 24 Apr 2019 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.2	96.6
227	65.3	32.6	98.0





#95

Naphthalene

Concen: 17.466 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Instrument :

MSVOA_N

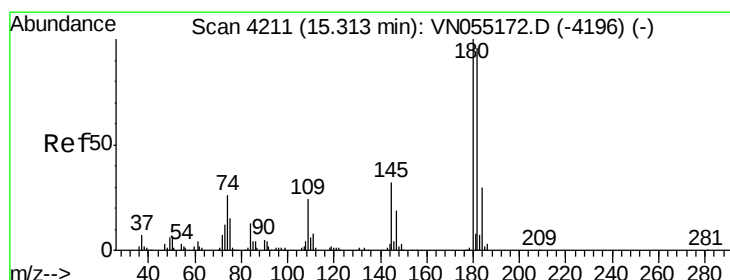
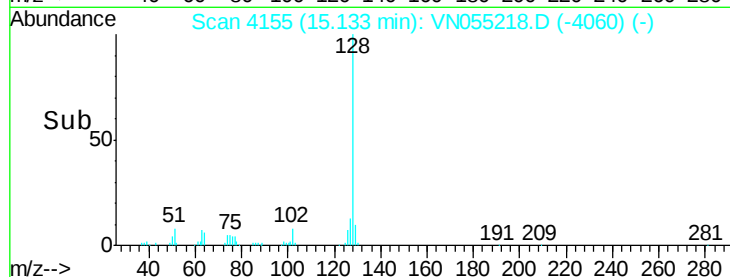
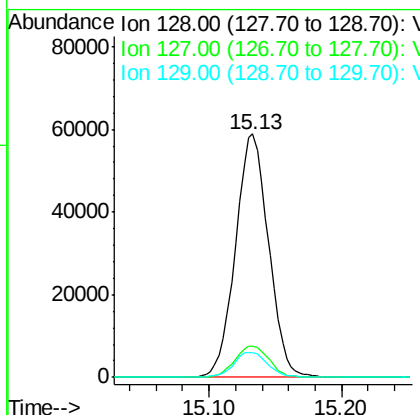
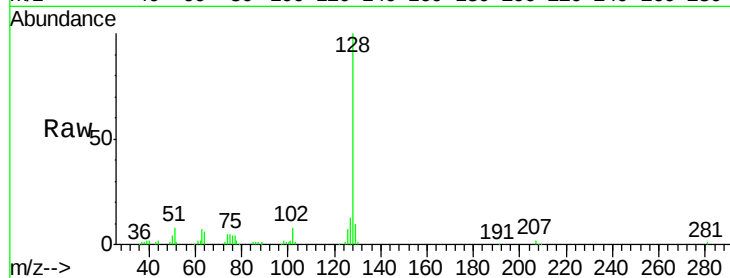
ClientSampleId :

VN0424WBS01

Tot Ion:	128	Resp:	101965
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:40:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.835 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055218.D

Acq: 24 Apr 2019 11:04

Tgt Ion:	180	Resp:	50340
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.2	141.6
145	30.3	15.4	46.1

