

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056148.D
 Acq On : 8 Jun 2019 12:52
 Operator : JC/SP
 Sample : VN0608WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:35 AM

Quant Time: Jun 10 02:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	287768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	430629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	152622	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.59	113	135555	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	516018	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	166571	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	63400	20.267	ug/l	98
3) Chloromethane	2.06	50	66104	21.191	ug/l	100
4) Vinyl Chloride	2.18	62	66916	21.385	ug/l	98
5) Bromomethane	2.54	94	39257	19.861	ug/l	98
6) Chloroethane	2.69	64	37448	20.641	ug/l	98
7) Trichlorofluoromethane	3.01	101	82406	20.629	ug/l	98
8) Diethyl Ether	3.40	74	32863	20.005	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50334	20.743	ug/l	100
10) Methyl Iodide	3.94	142	61996	16.077	ug/l	99
11) Tert butyl alcohol	4.81	59	48084	96.704	ug/l	97
12) 1,1-Dichloroethene	3.72	96	50567	20.932	ug/l	95
13) Acrolein	3.60	56	10794	75.269	ug/l	96
14) Allyl chloride	4.31	41	70360	18.445	ug/l	97
15) Acrylonitrile	4.99	53	142901	118.061	ug/l	100
16) Acetone	3.82	43	118251	86.532	ug/l	99
17) Carbon Disulfide	4.04	76	96738	16.724	ug/l	99
18) Methyl Acetate	4.33	43	69836	25.736	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	164495	21.362	ug/l	100
20) Methylene Chloride	4.54	84	59703	21.206	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	53452	20.651	ug/l	96
22) Diisopropyl ether	5.96	45	165512	20.990	ug/l	97
23) Vinyl Acetate	5.90	43	627285	101.016	ug/l	100
24) 1,1-Dichloroethane	5.84	63	96155	21.140	ug/l	99
25) 2-Butanone	6.84	43	183874	106.495	ug/l	98
26) 2,2-Dichloropropane	6.82	77	28626	8.065	ug/l	89
27) cis-1,2-Dichloroethene	6.83	96	63001	20.706	ug/l	94
28) Bromochloromethane	7.19	49	45241	21.032	ug/l	96
29) Tetrahydrofuran	7.22	42	126097	118.148	ug/l	100
30) Chloroform	7.37	83	98401	21.505	ug/l	99
31) Cyclohexane	7.65	56	90102	19.873	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	77261	20.220	ug/l	99
36) 1,1-Dichloropropene	7.79	75	72041	19.456	ug/l	98
37) Ethyl Acetate	6.94	43	73879	22.424	ug/l	100
38) Carbon Tetrachloride	7.77	117	64370	18.856	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84331	18.283	ug/l	97
40) Benzene	8.04	78	229988	20.450	ug/l	100
41) Methacrylonitrile	7.18	41	34062	22.471	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	75746	20.939	ug/l	99
43) Isopropyl Acetate	8.17	43	110371	20.673	ug/l #	92
44) Trichloroethene	8.83	130	64801	20.052	ug/l	99
45) 1,2-Dichloropropane	9.12	63	60004	20.830	ug/l	97
46) Dibromomethane	9.21	93	40071	21.272	ug/l	99
47) Bromodichloromethane	9.40	83	66322	19.426	ug/l	99
48) Methyl methacrylate	9.20	41	54199	20.751	ug/l	96
49) 1,4-Dioxane	9.20	88	23900	423.852	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	368602	110.406	ug/l	100
52) Toluene	10.15	92	143258	20.471	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	56541	15.846	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	70305	17.132	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	58485	21.098	ug/l	98
56) Ethyl methacrylate	10.43	69	83942	20.756	ug/l	98
57) 1,3-Dichloropropane	10.71	76	94235	20.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	137511	95.532	ug/l	100
59) 2-Hexanone	10.75	43	256800	106.126	ug/l	100
60) Dibromochloromethane	10.90	129	52002	18.627	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59602	21.032	ug/l	99
64) Tetrachloroethene	10.63	164	74215	22.441	ug/l	99
65) Chlorobenzene	11.43	112	153632	20.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	52231	19.895	ug/l	99
67) Ethyl Benzene	11.51	91	263696	19.945	ug/l	99
68) m/p-Xylenes	11.62	106	198957	39.392	ug/l	99
69) o-Xylene	11.95	106	98139	19.754	ug/l	100
70) Styrene	11.96	104	157693	19.977	ug/l	100
71) Bromoform	12.13	173	35067	17.779	ug/l #	100
73) Isopropylbenzene	12.25	105	260227	22.467	ug/l	100
74) N-amyl acetate	12.07	43	86367	21.122	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	79931	22.446	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69559m	24.644	ug/l	
77) Bromobenzene	12.53	156	70302	21.406	ug/l	95
78) n-propylbenzene	12.59	91	266282	20.519	ug/l	100
79) 2-Chlorotoluene	12.67	91	167863	22.021	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	211429	20.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	11112	13.110	ug/l #	74
82) 4-Chlorotoluene	12.77	91	154997	20.415	ug/l	100
83) tert-Butylbenzene	12.99	119	189787	22.199	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	202616	20.716	ug/l	98
85) sec-Butylbenzene	13.17	105	236027	20.537	ug/l	99
86) p-Isopropyltoluene	13.29	119	207621	20.186	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	104206	20.501	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	96821	19.801	ug/l	99
89) n-Butylbenzene	13.61	91	138918	18.232	ug/l	98
90) Hexachloroethane	13.87	117	29654	19.118	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	107281	20.905	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10275	20.173	ug/l	92

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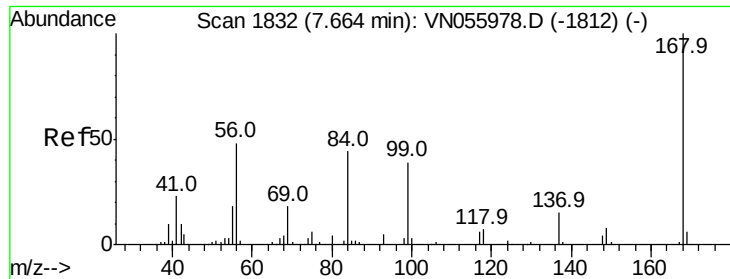
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40007	17.209	ug/l	97
94) Hexachlorobutadiene	15.01	225	38407	20.595	ug/l	98
95) Naphthalene	15.13	128	110881	17.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47175	18.407	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion:168 Resp: 287768

Ion Ratio Lower Upper

168 100

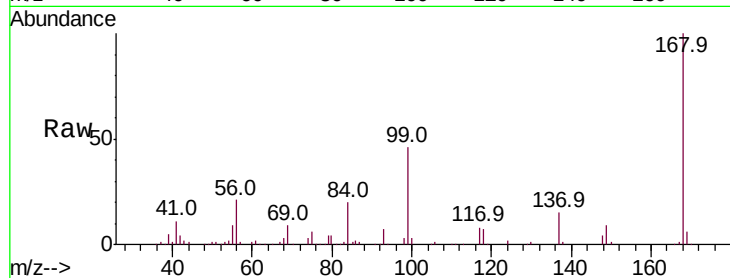
99 45.0 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

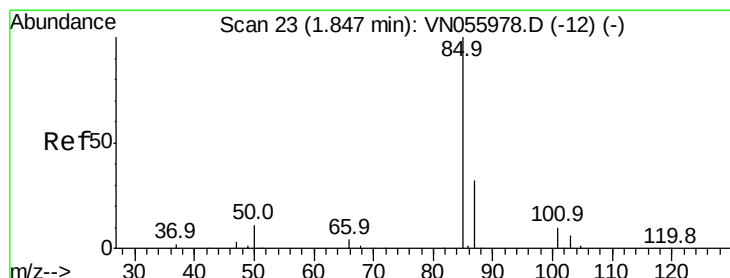
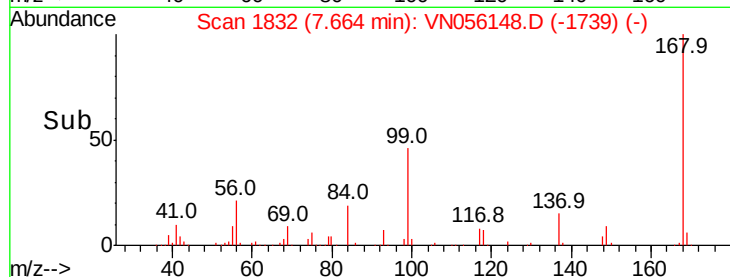
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.267 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056148.D

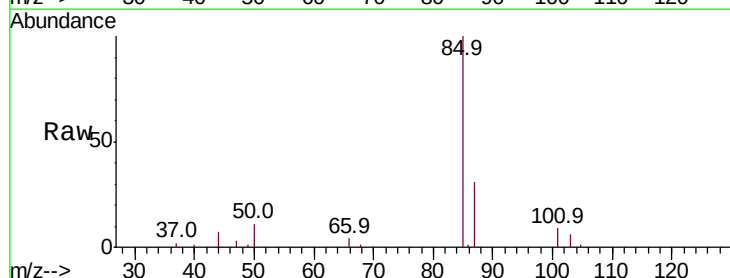
Acq: 8 Jun 2019 12:52

Tgt Ion: 85 Resp: 63400

Ion Ratio Lower Upper

85 100

87 30.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

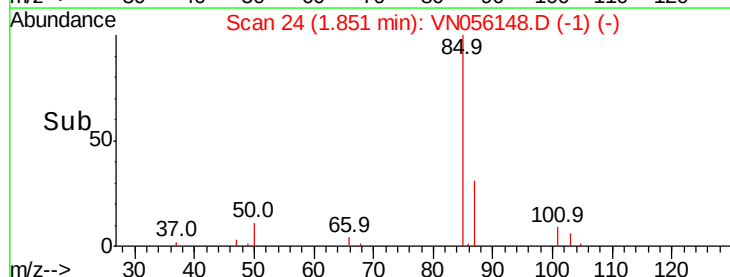
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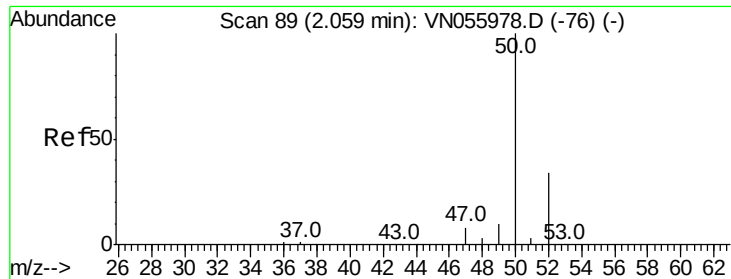
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Time-->





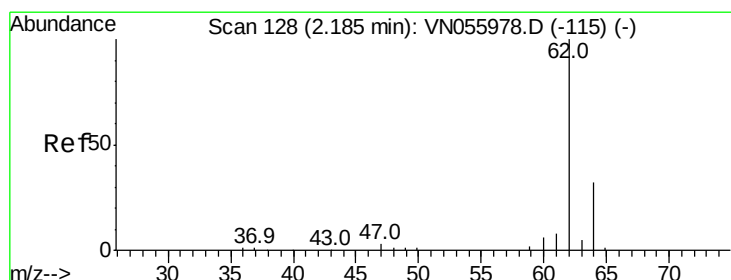
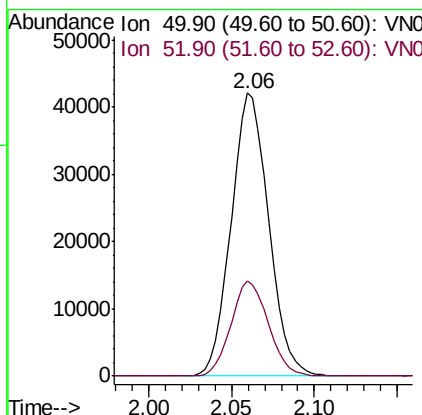
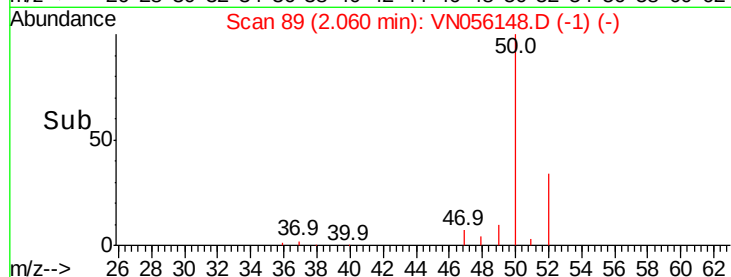
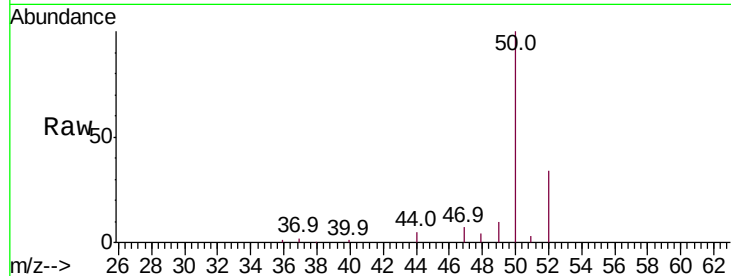
#3
Chloromethane
Concen: 21.191 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 50 Resp: 66104
Ion Ratio Lower Upper
50 100
52 33.6 26.6 40.0

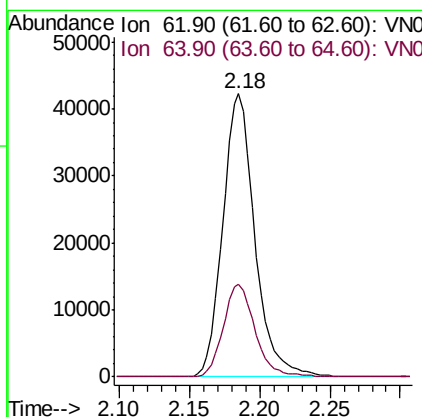
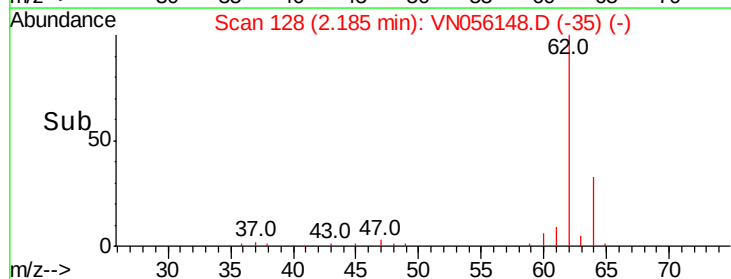
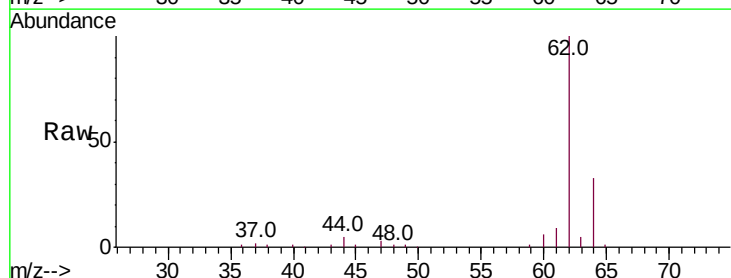
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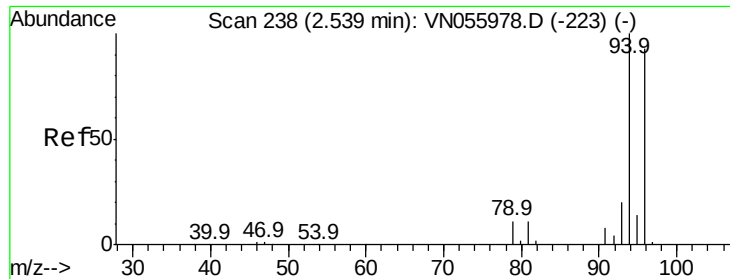
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#4
Vinyl Chloride
Concen: 21.385 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 62 Resp: 66916
Ion Ratio Lower Upper
62 100
64 32.9 25.6 38.4





#5

Bromomethane

Concen: 19.861 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 94 Resp: 39257

Ion Ratio Lower Upper

94 100

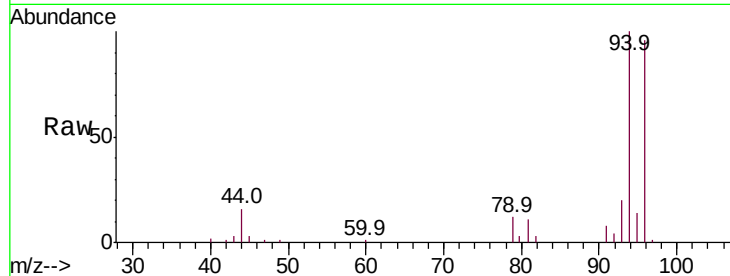
96 96.3 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

20000

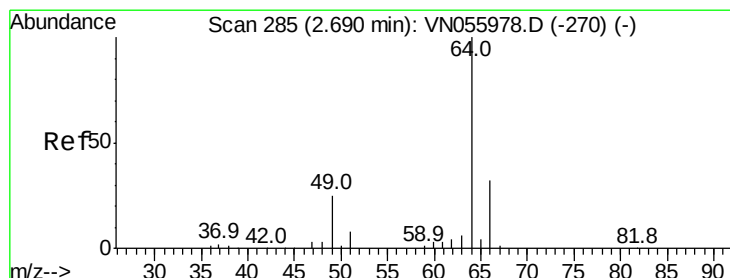
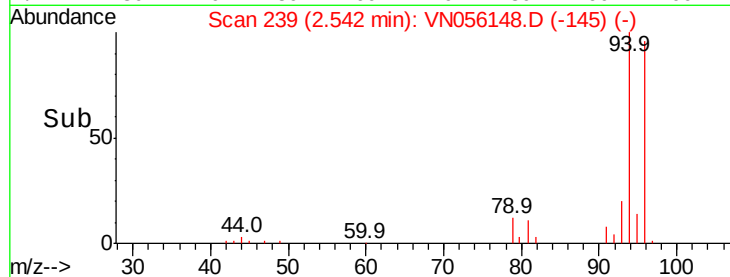
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.641 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN056148.D

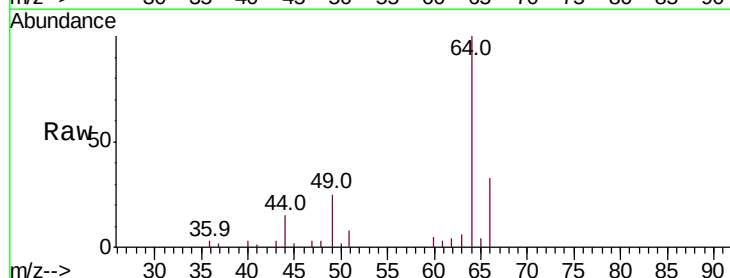
Acq: 8 Jun 2019 12:52

Tgt Ion: 64 Resp: 37448

Ion Ratio Lower Upper

64 100

66 32.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

20000

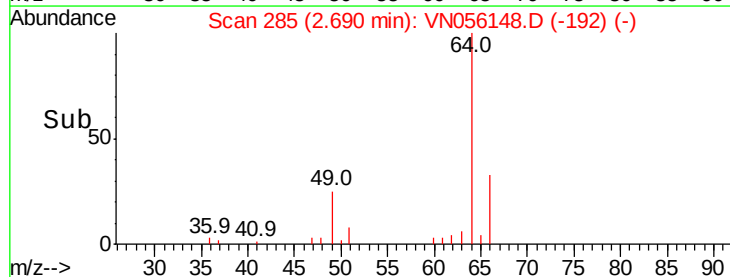
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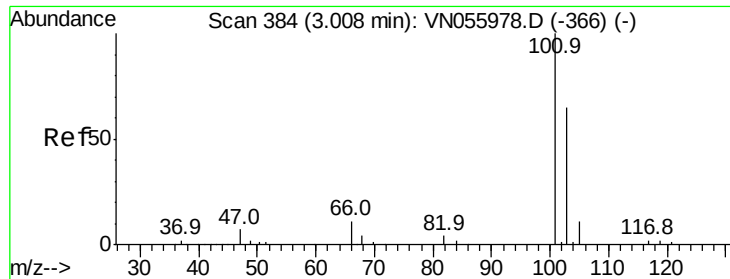
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5000

0

Time-->





#7

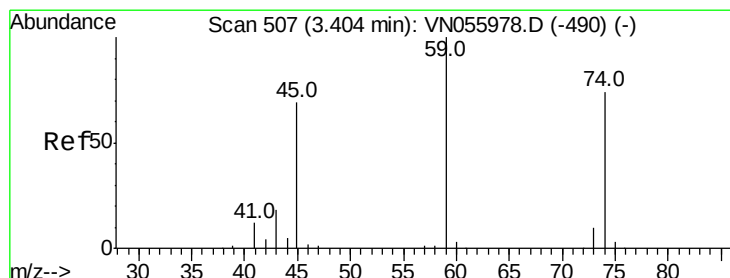
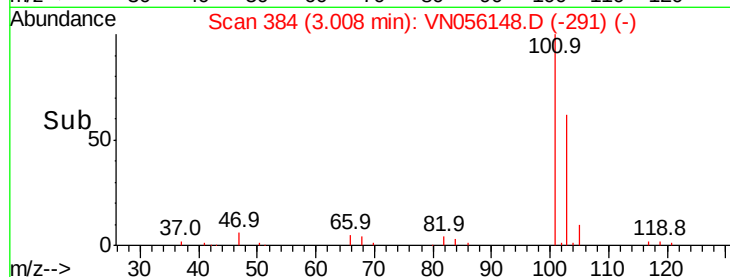
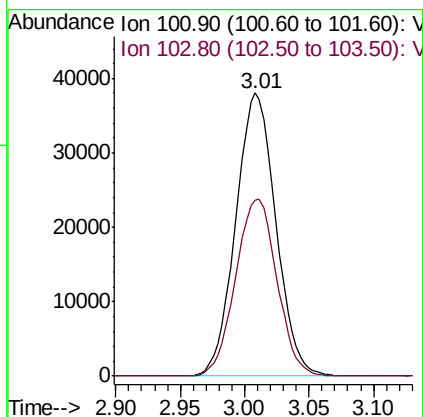
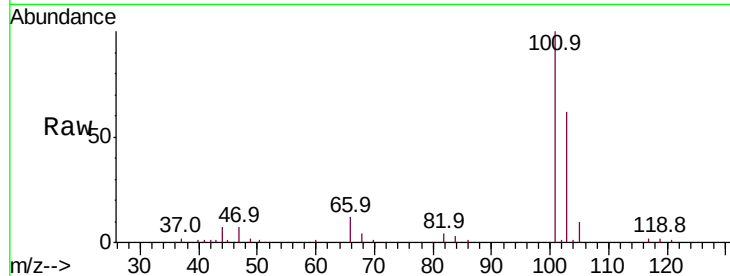
Trichlorofluoromethane
 Concen: 20.629 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

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 VN0608WBSD04

Tot Ion:101 Resp: 82406
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.2 76.8

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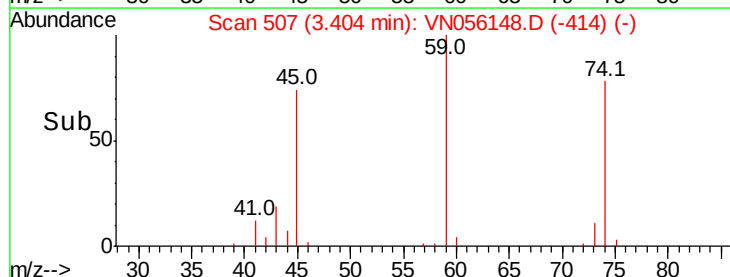
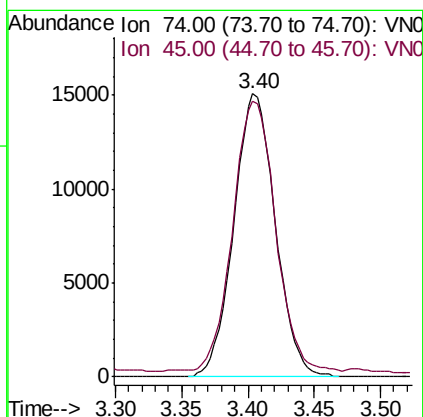
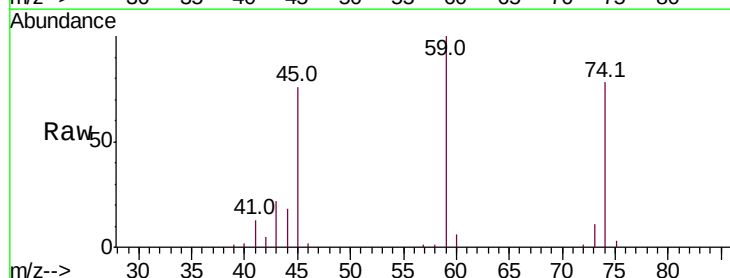
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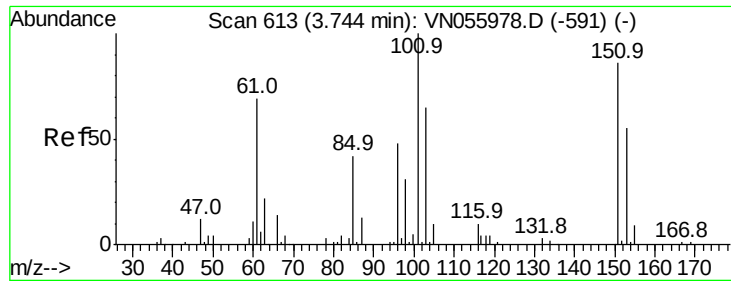


#8

Diethyl Ether
 Concen: 20.005 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion: 74 Resp: 32863
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.743 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

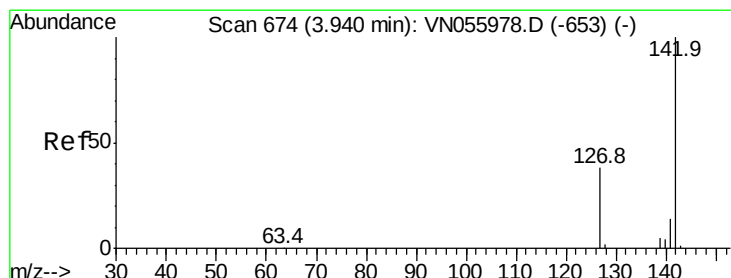
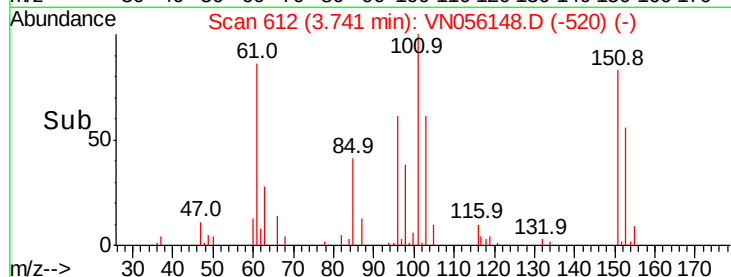
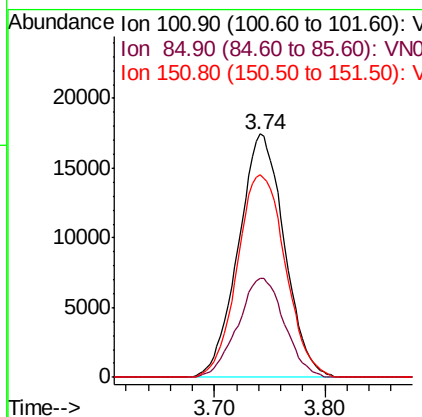
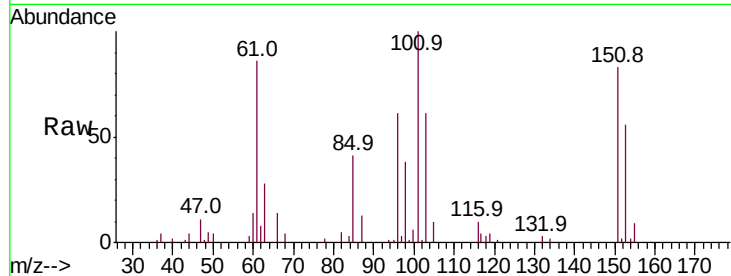
ClientSampleId :

VN0608WBSD04

Tot Ion:	101	Resp:	50334
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.2
151	87.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.077 ug/l

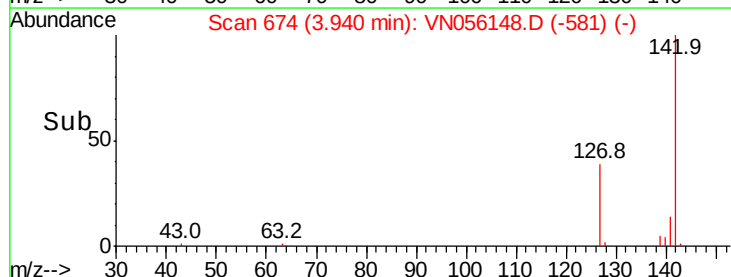
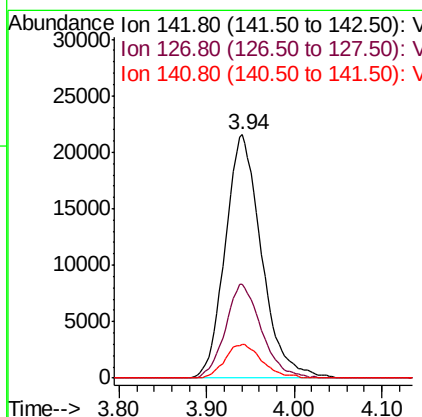
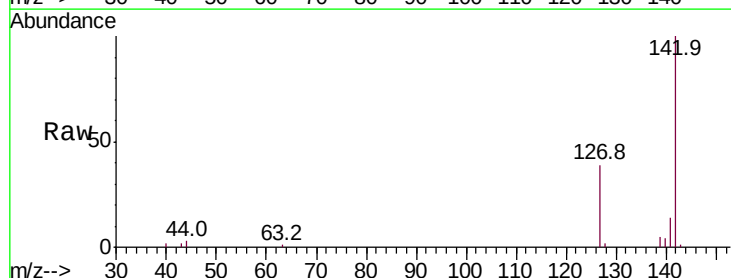
RT: 3.94 min Scan# 674

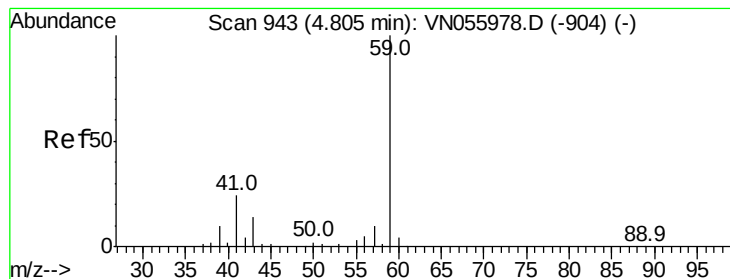
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	142	Resp:	61996
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	14.1	11.4	17.0





#11

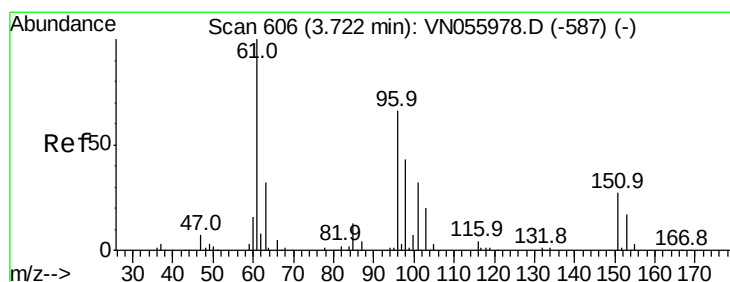
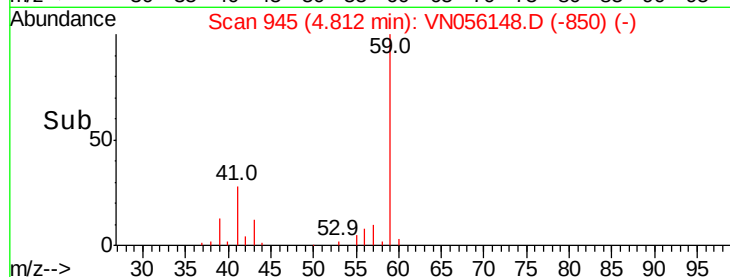
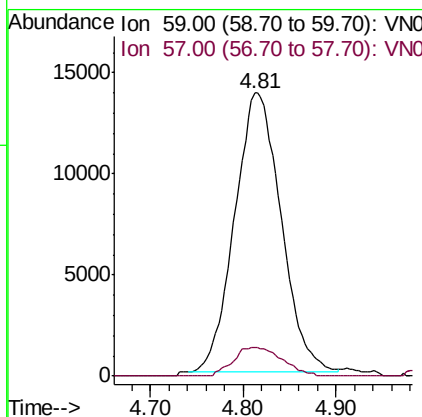
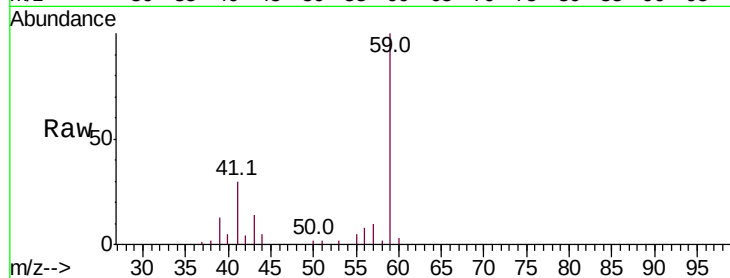
Tert butyl alcohol
 Concen: 96.704 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	59	Resp	48084
Ion Ratio	100	Lower	Upper
57	10.9	7.8	11.6

Manual Integrations
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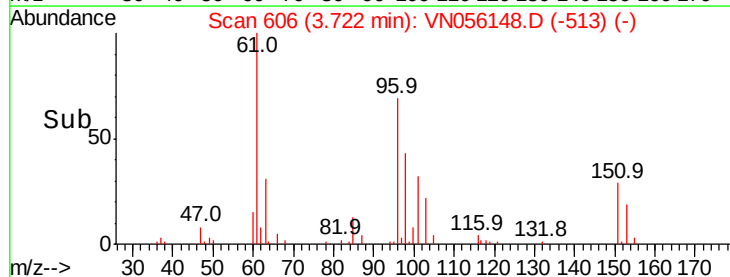
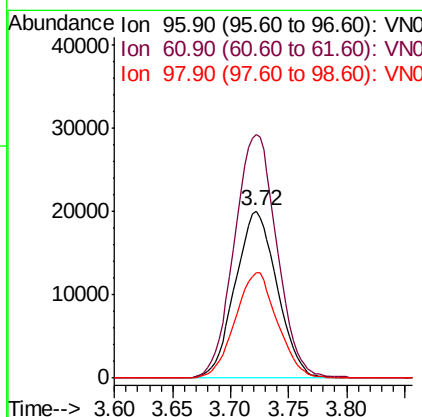
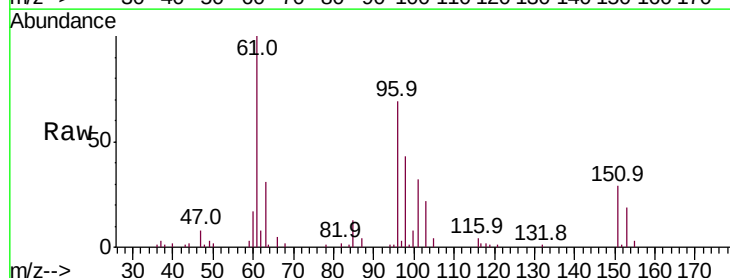
MMDadoda
 6/10/2019 11:25:35 AM

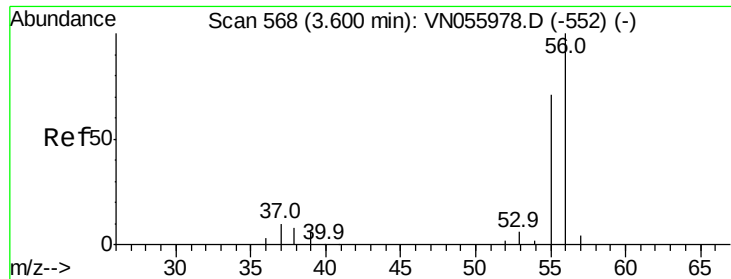


#12

1,1-Dichloroethene
 Concen: 20.932 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	96	Resp	50567
Ion Ratio	100	Lower	Upper
61	145.9	123.2	184.8
98	63.4	50.4	75.6





#13

Acrolein

Concen: 75.269 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 56 Resp: 10794

Ion Ratio Lower Upper

56 100

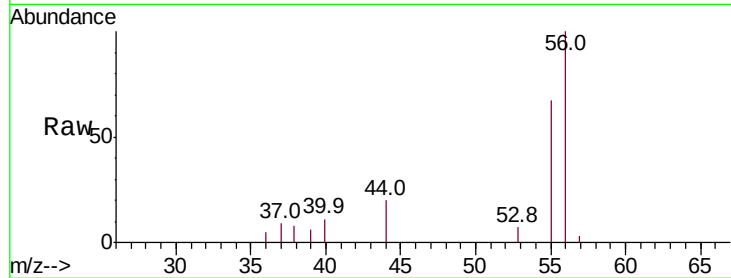
55 72.2 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

4000

3000

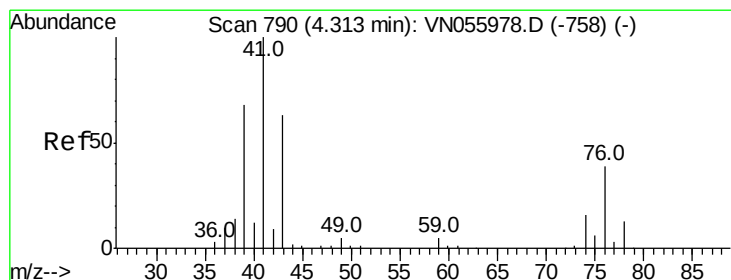
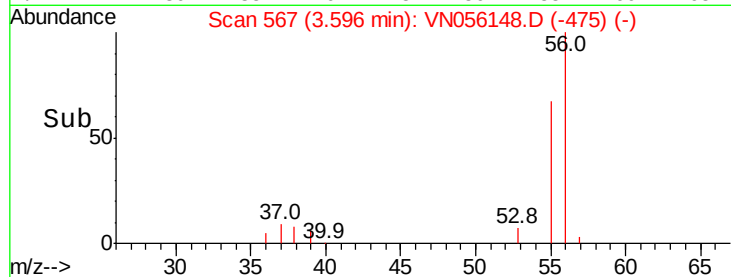
2000

1000

0

3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 18.445 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

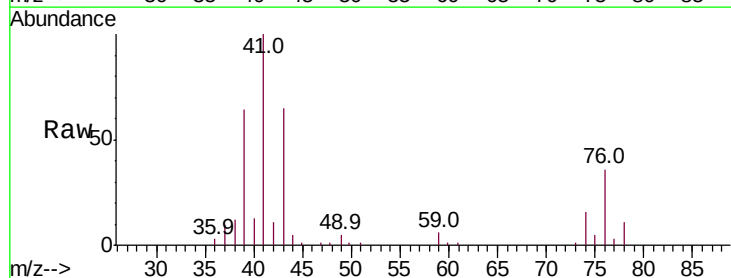
Tgt Ion: 41 Resp: 70360

Ion Ratio Lower Upper

41 100

39 61.0 50.0 75.0

76 33.1 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

30000

25000

20000

15000

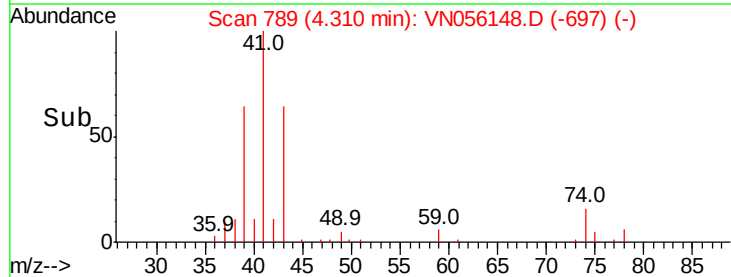
10000

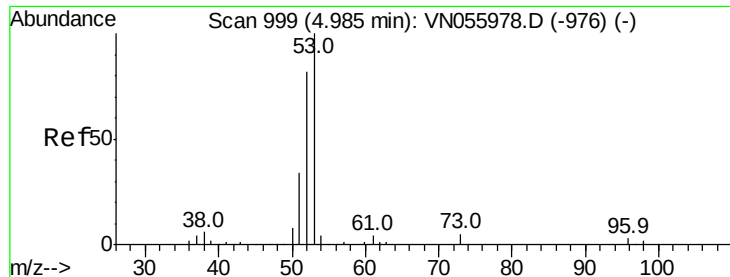
5000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 118.061 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

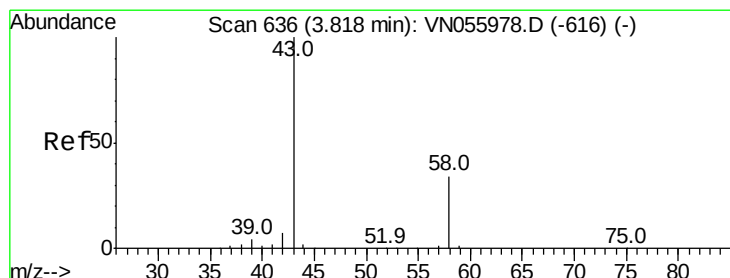
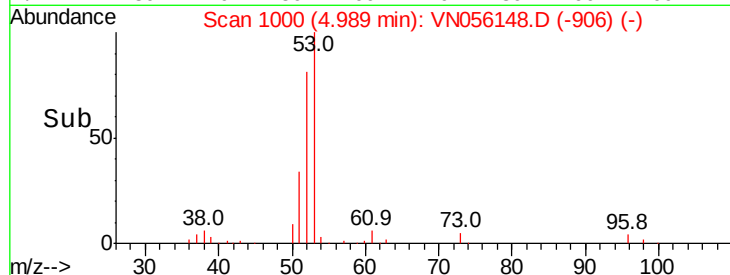
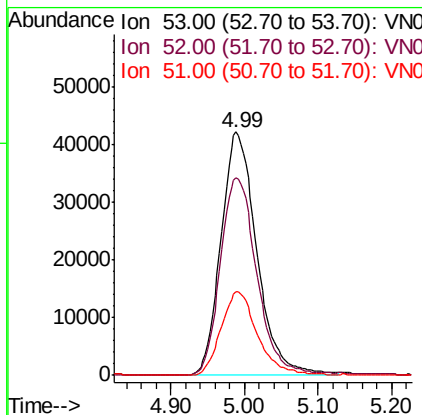
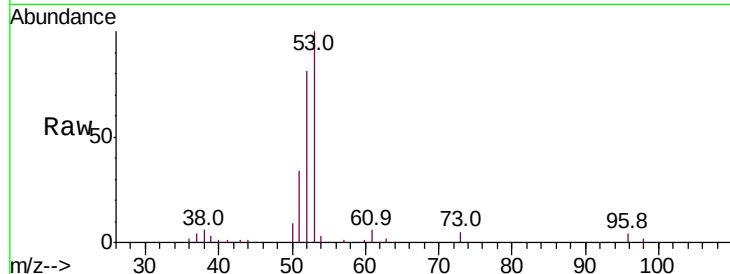
ClientSampleId :

VN0608WBSD04

Tot Ion:	53	Resp:	142901
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 86.532 ug/l

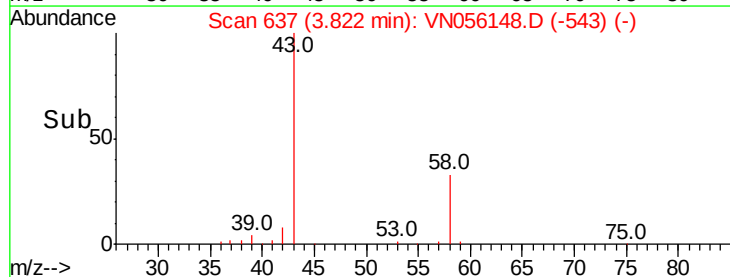
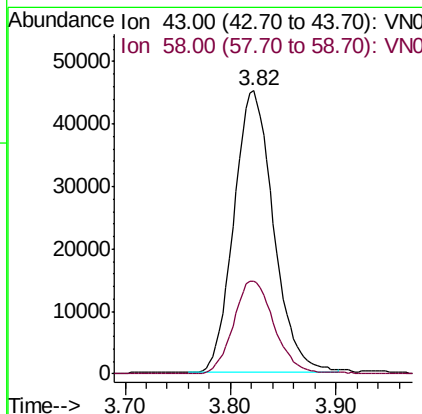
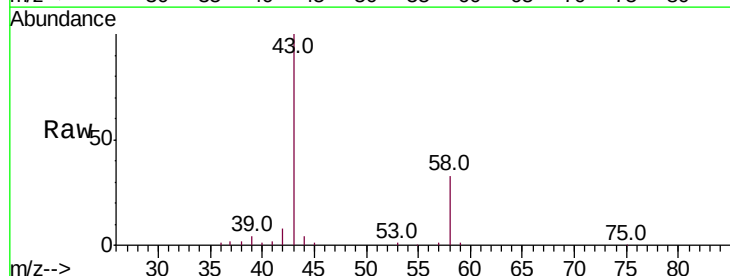
RT: 3.82 min Scan# 637

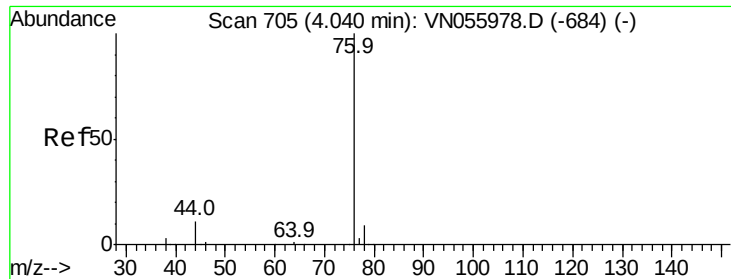
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	43	Resp:	118251
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.6	39.8





#17

Carbon Disulfide

Concen: 16.724 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 76 Resp: 96738

Ion Ratio Lower Upper

76 100

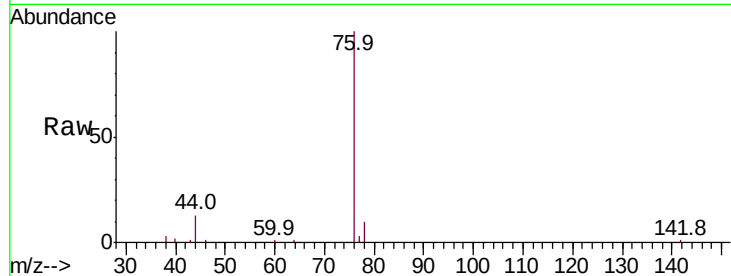
78 9.7 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN055978.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055978.D (-684) (-)

4.04

40000

30000

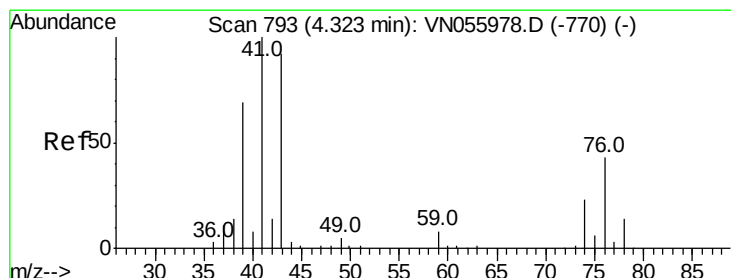
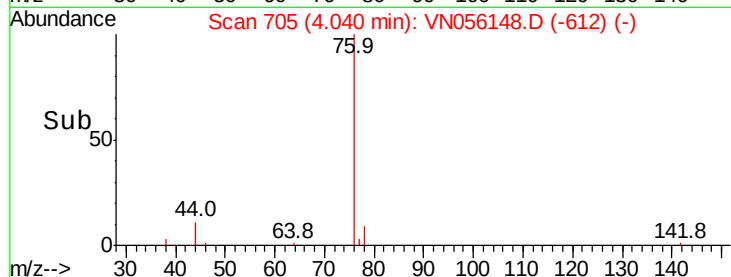
20000

10000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 25.736 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056148.D

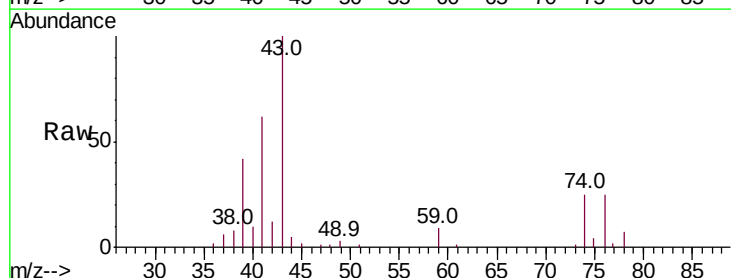
Acq: 8 Jun 2019 12:52

Tgt Ion: 43 Resp: 69836

Ion Ratio Lower Upper

43 100

74 23.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN055978.D (-770) (-)

4.33

25000

20000

15000

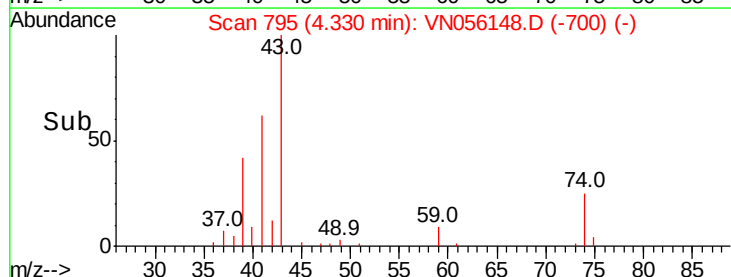
10000

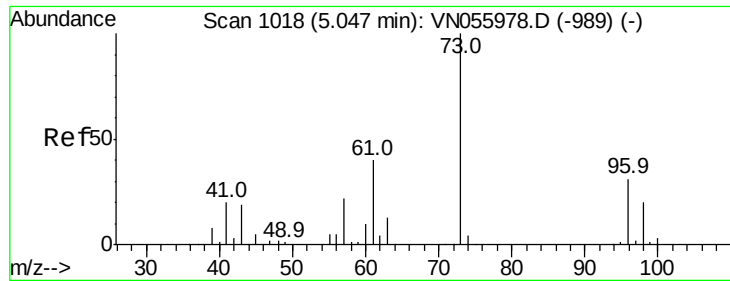
5000

0

Time-->

4.20 4.30 4.40 4.50





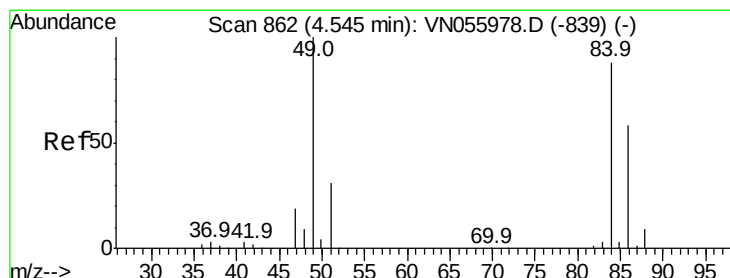
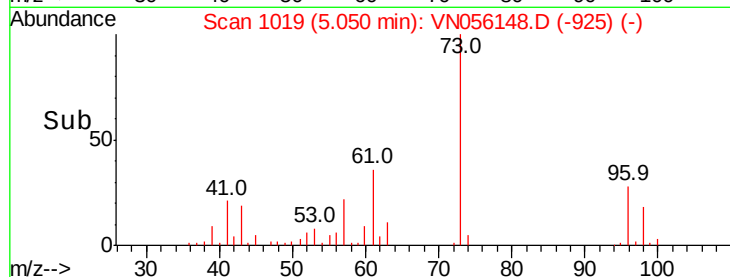
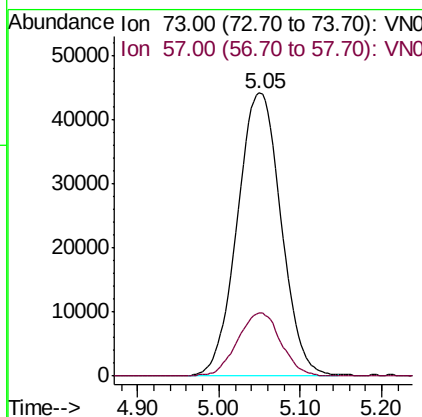
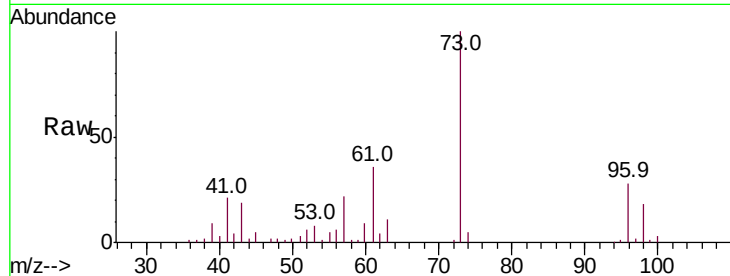
#19
Methyl tert-butyl Ether
Concen: 21.362 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 73 Resp: 164495
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8

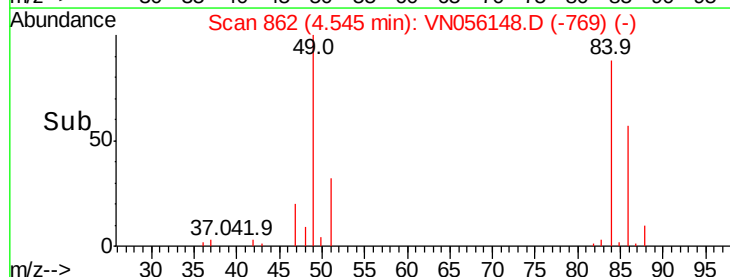
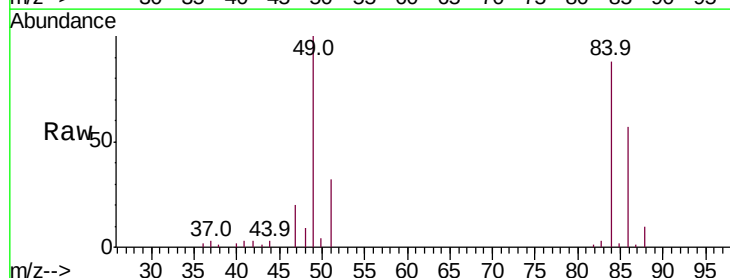
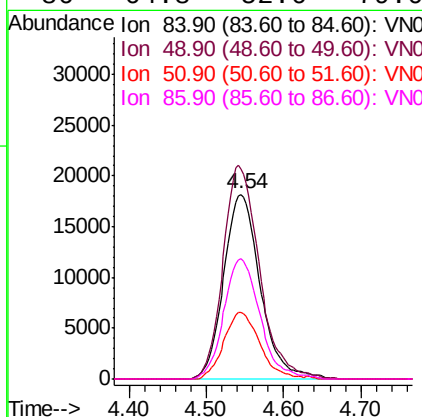
Manual Integrations
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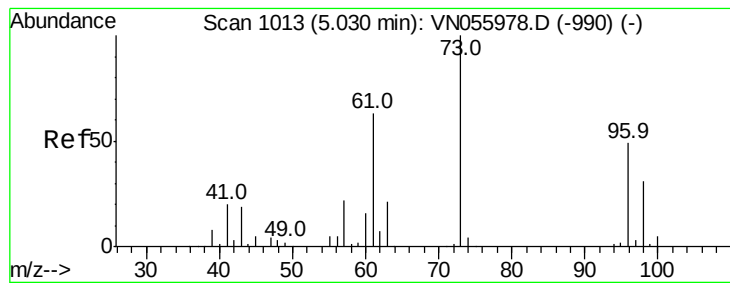
MMDadoda
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#20
Methylene Chloride
Concen: 21.206 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 84 Resp: 59703
Ion Ratio Lower Upper
84 100
49 113.9 93.5 140.3
51 36.3 28.6 43.0
86 64.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.651 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 96 Resp: 53452

Ion Ratio Lower Upper

96 100

61 129.8 107.8 161.8

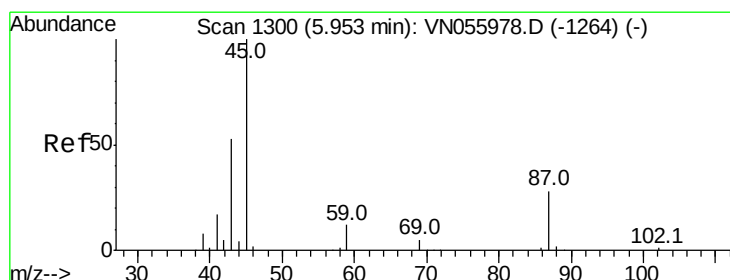
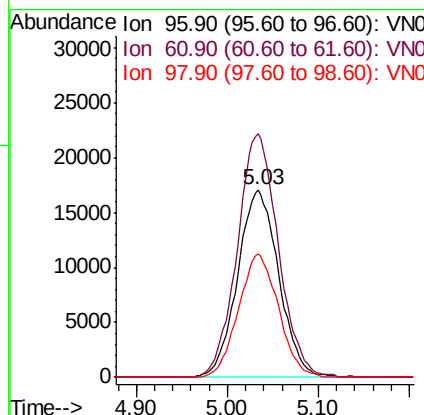
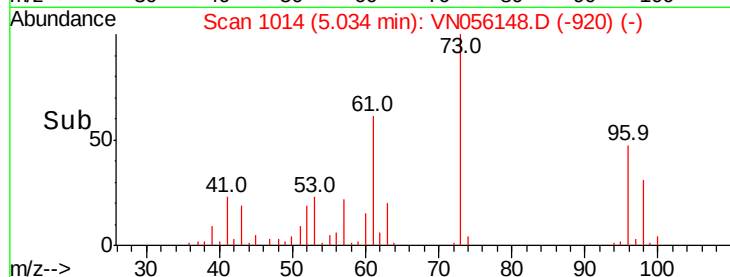
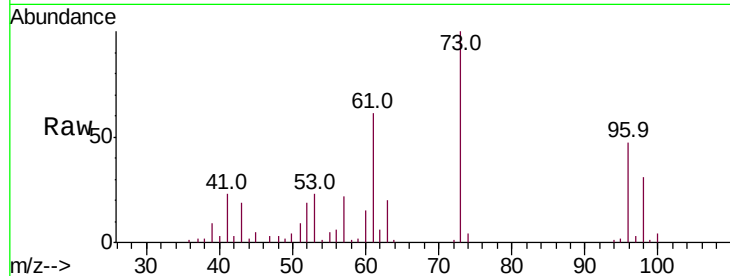
98 65.9 49.8 74.8

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#22

Diisopropyl ether

Concen: 20.990 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion: 45 Resp: 165512

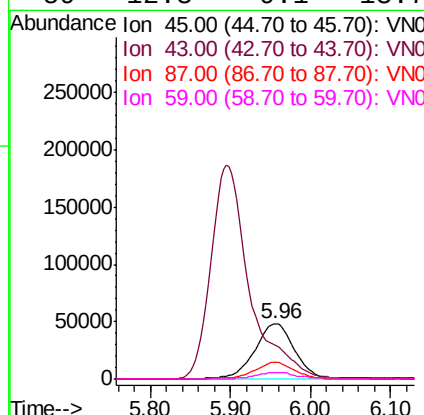
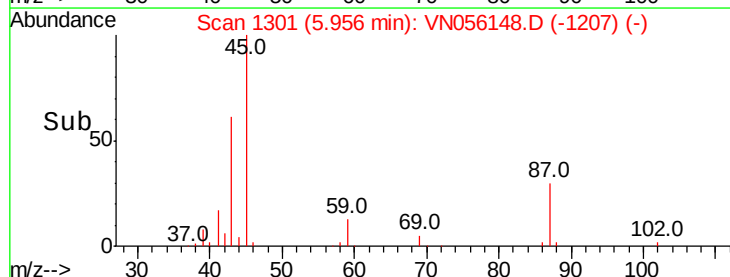
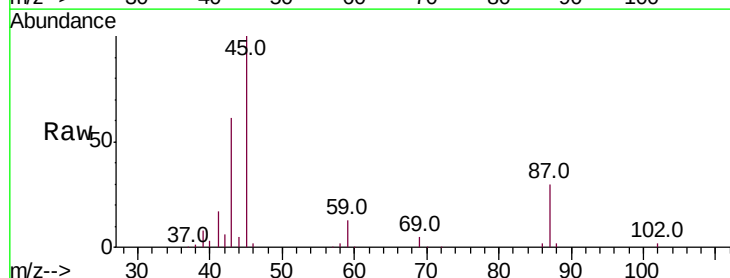
Ion Ratio Lower Upper

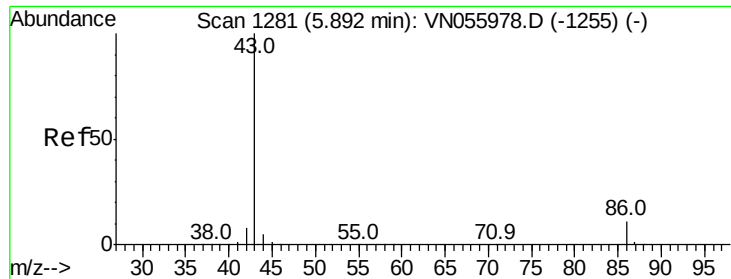
45 100

43 57.8 45.0 67.6

87 29.8 22.2 33.4

59 12.3 9.1 13.7





#23

Vinyl Acetate

Concen: 101.016 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 43 Resp: 627285

Ion Ratio Lower Upper

43 100

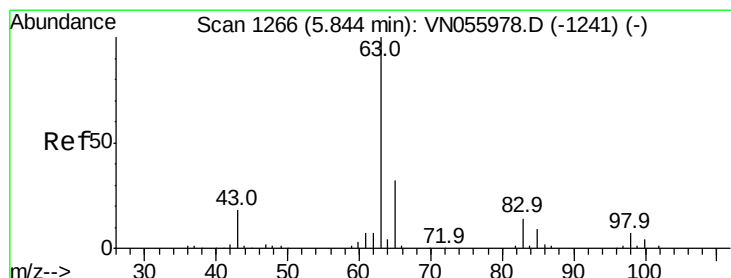
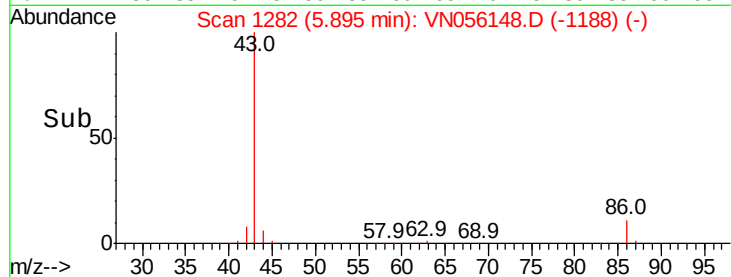
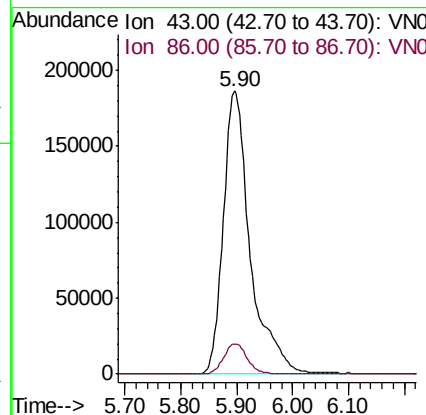
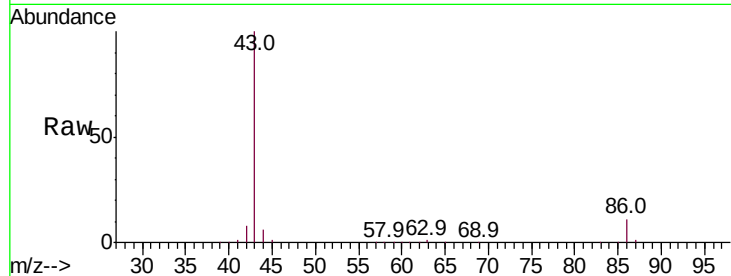
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.140 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

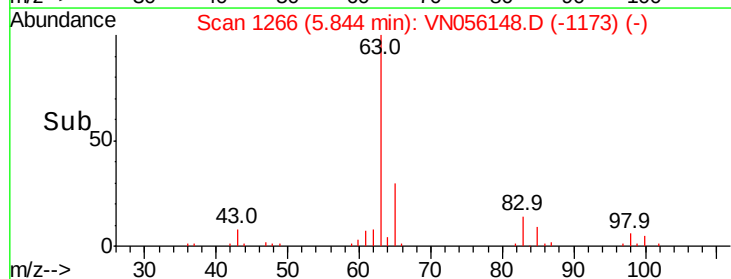
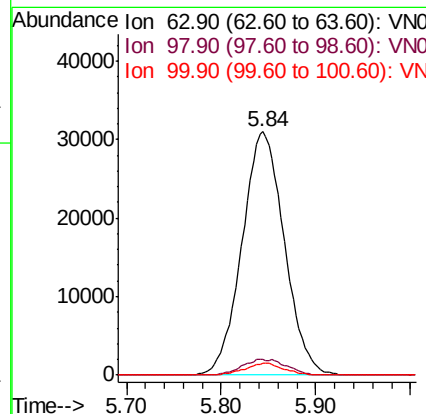
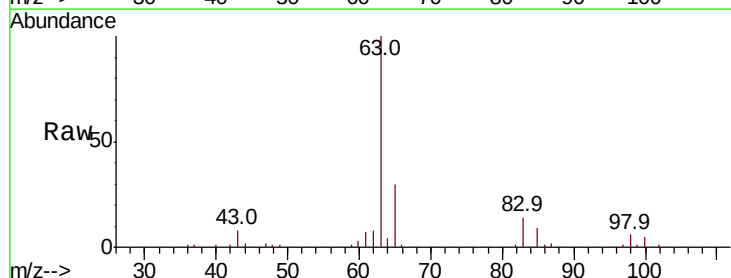
Tgt Ion: 63 Resp: 96155

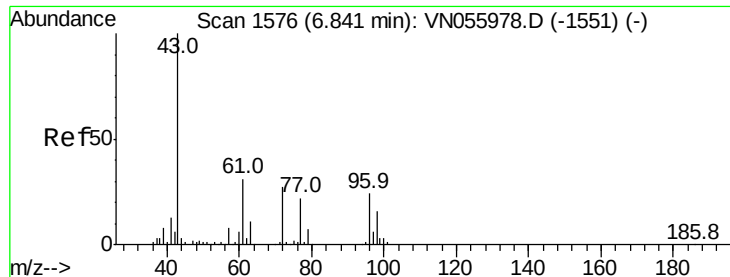
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.8 2.2 6.6





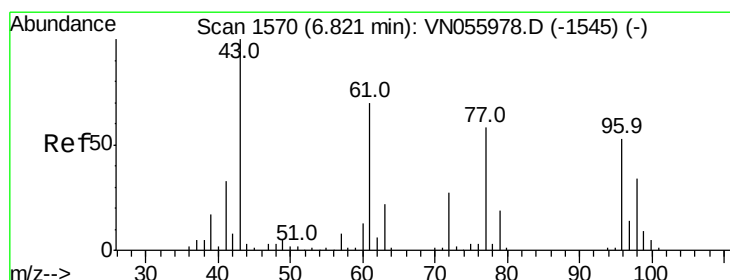
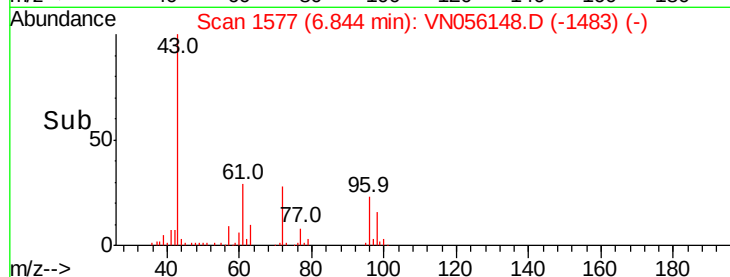
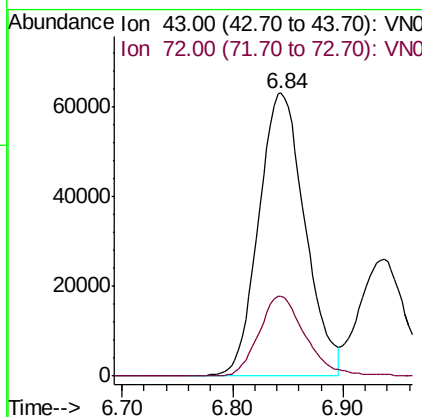
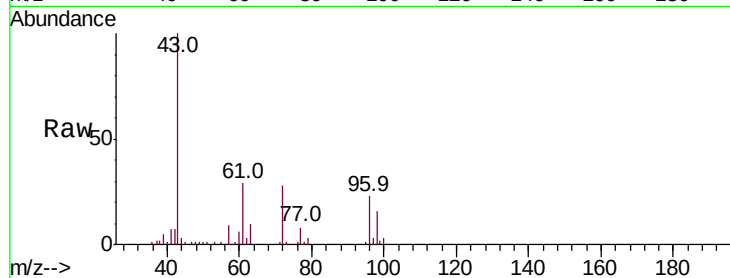
#25
2-Butanone
Concen: 106.495 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 43 Resp: 183874
Ion Ratio Lower Upper
43 100
72 28.3 21.9 32.9

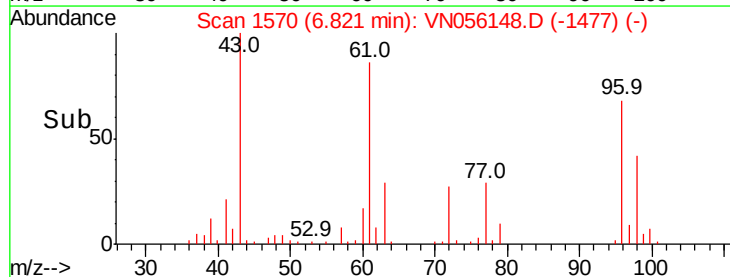
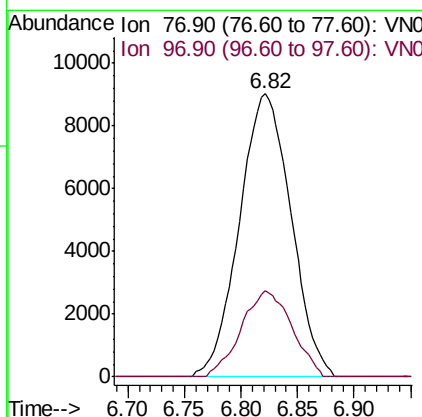
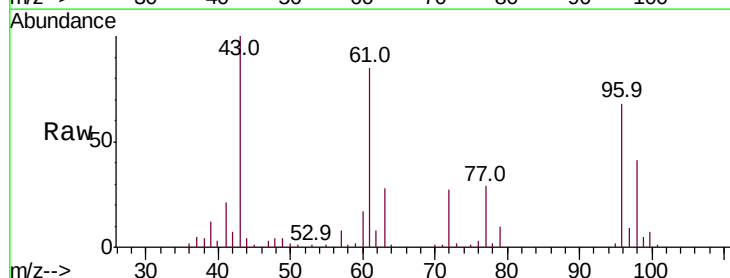
Manual Integrations
APPROVED

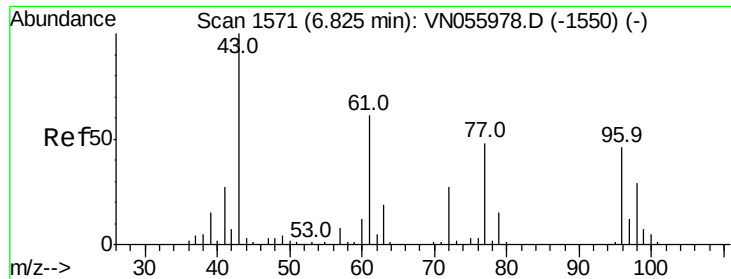
MMDadoda
6/10/2019 11:25:35 AM



#26
2,2-Dichloropropane
Concen: 8.065 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 77 Resp: 28626
Ion Ratio Lower Upper
77 100
97 29.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.706 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

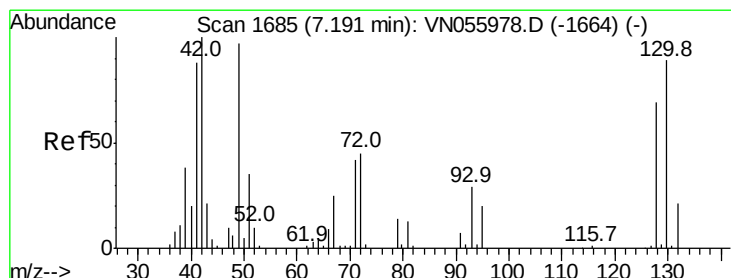
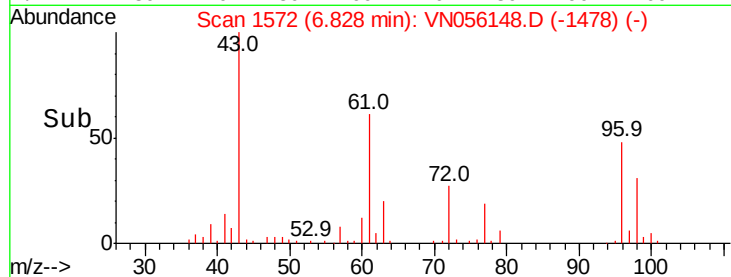
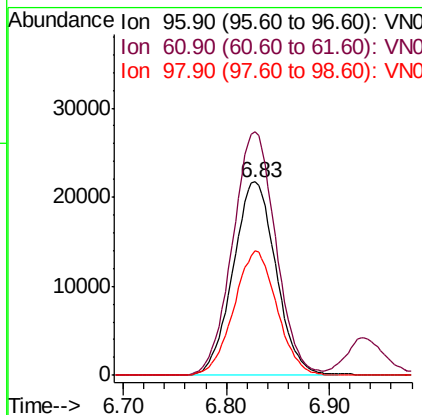
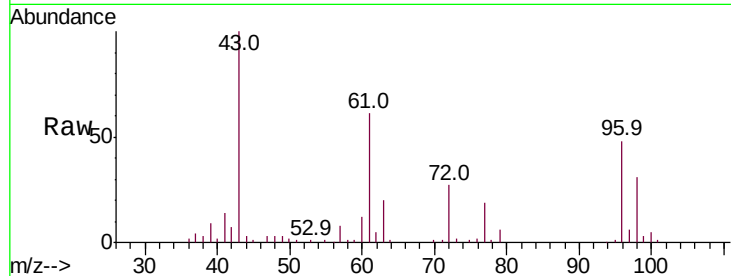
ClientSampleId :

VN0608WBSD04

Tot Ion:	96	Resp:	63001
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	275.8
98	64.2	0.0	128.4

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#28

Bromochloromethane

Concen: 21.032 ug/l

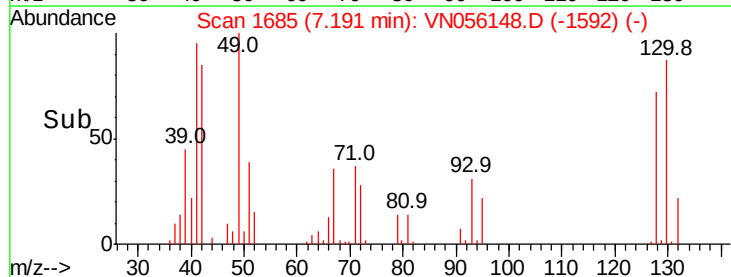
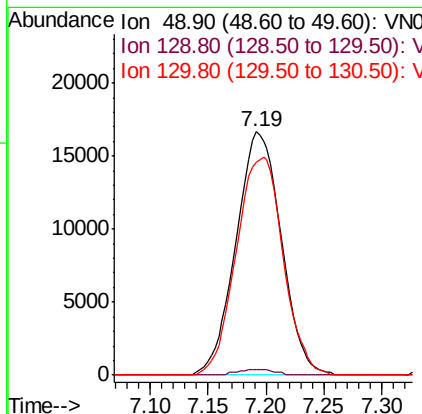
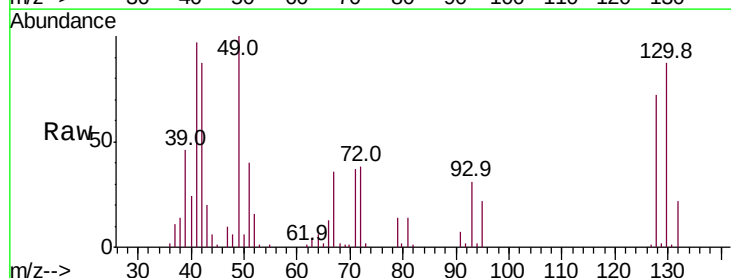
RT: 7.19 min Scan# 1685

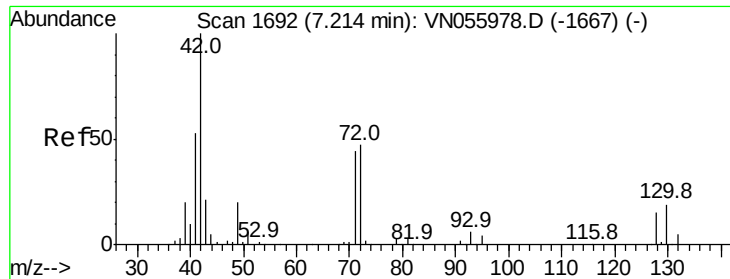
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	49	Resp:	45241
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	92.4	71.2	106.8





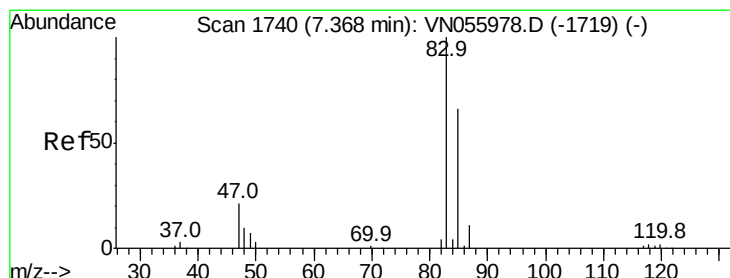
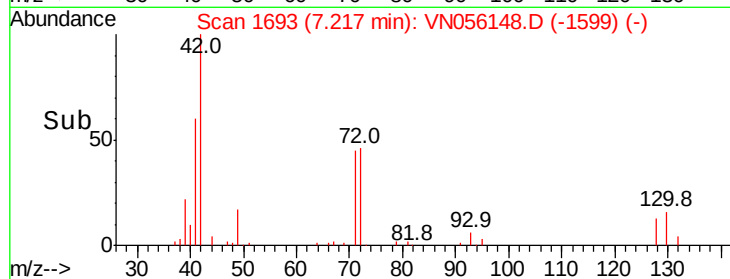
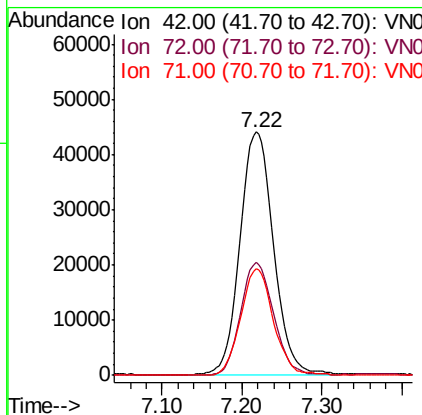
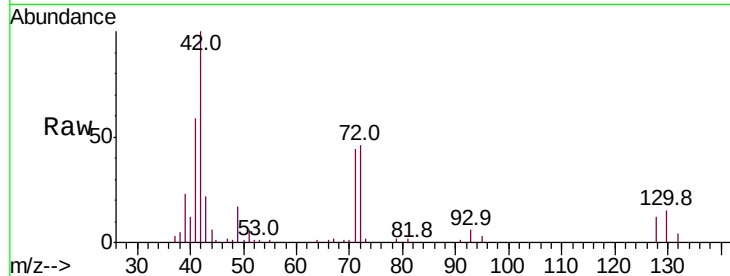
#29
Tetrahydrofuran
Concen: 118.148 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.9	53.9
71	42.4	34.0	51.0

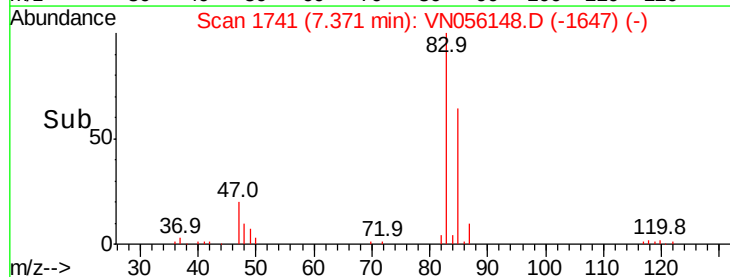
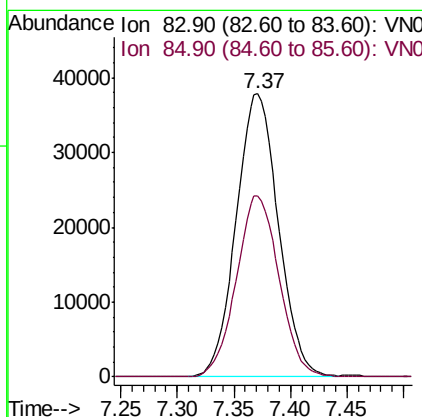
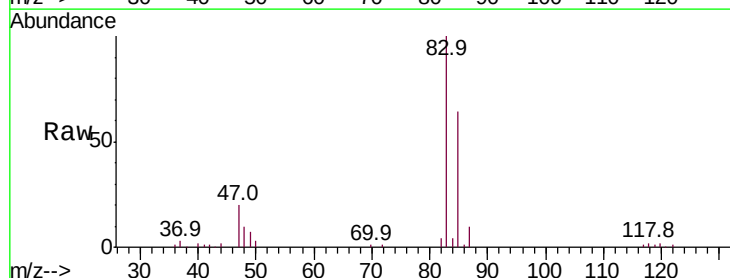
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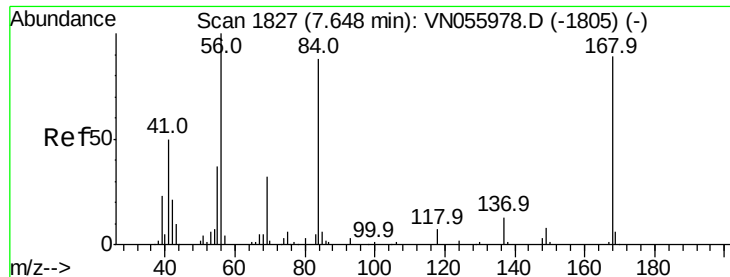
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#30
Chloroform
Concen: 21.505 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8





#31

Cyclohexane

Concen: 19.873 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

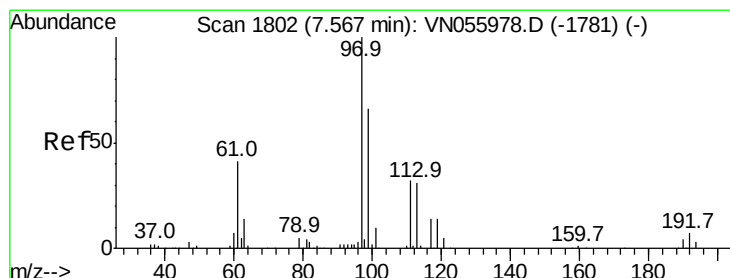
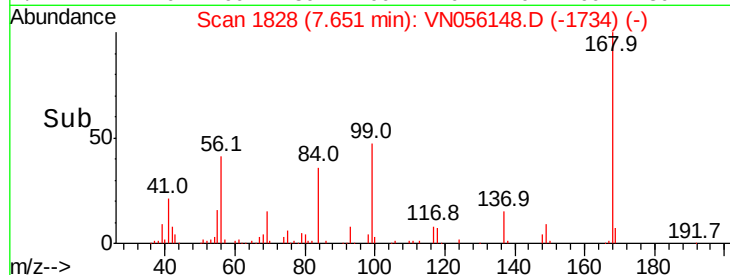
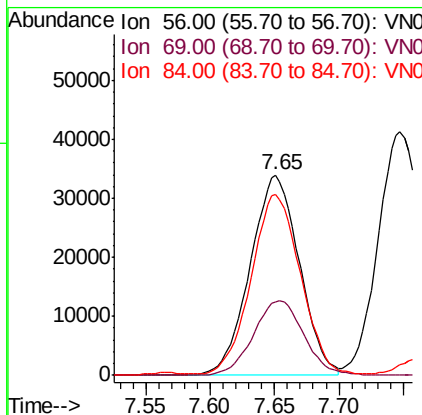
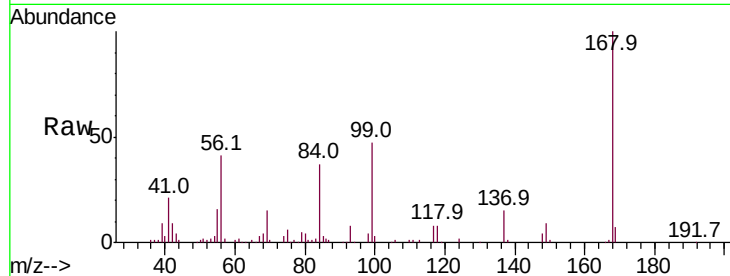
ClientSampleId :

VN0608WBSD04

Tot Ion:	56	Resp:	90102
Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.6	38.4
84	89.4	67.4	101.0

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#32

1,1,1-Trichloroethane

Concen: 20.220 ug/l

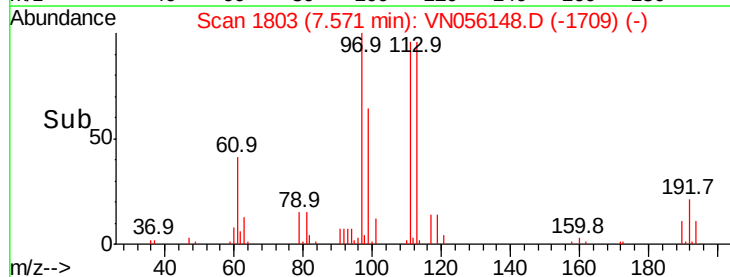
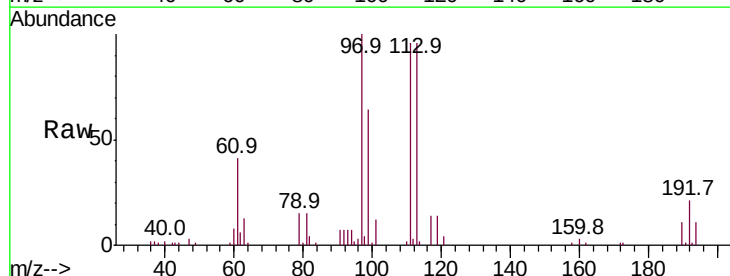
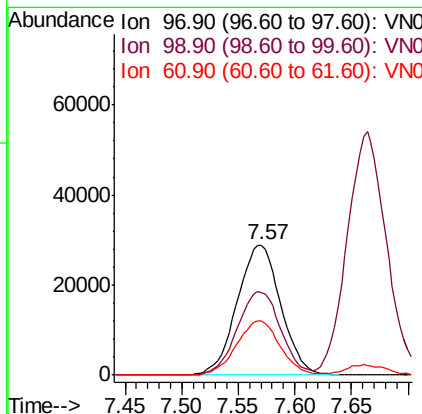
RT: 7.57 min Scan# 1803

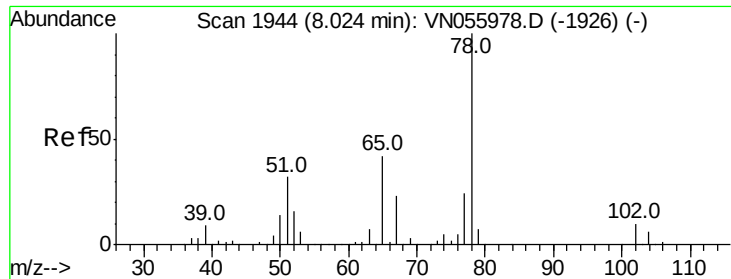
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	97	Resp:	77261
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	41.6	32.9	49.3





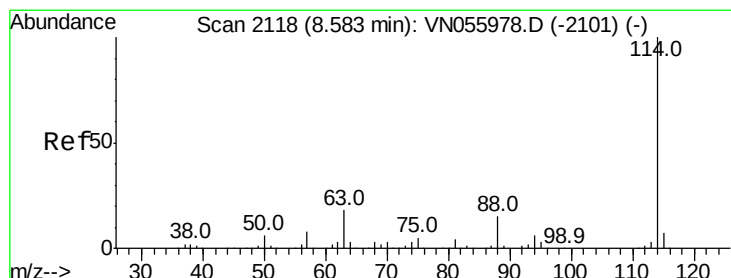
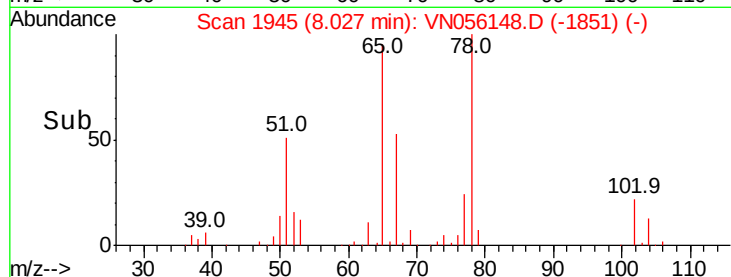
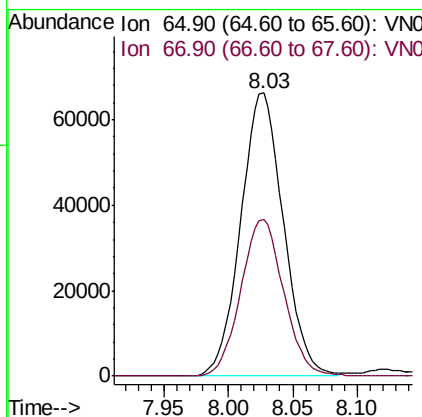
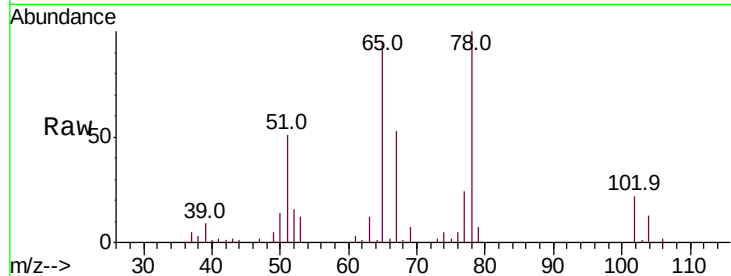
#33
 1,2-Dichloroethane-d4
 Concen: 53.415 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.9	0.0	109.2	

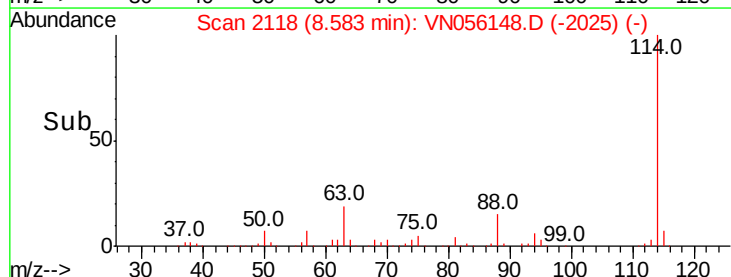
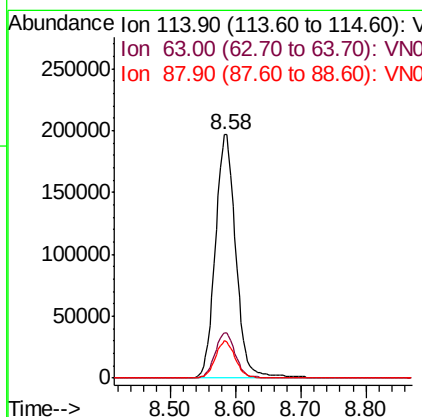
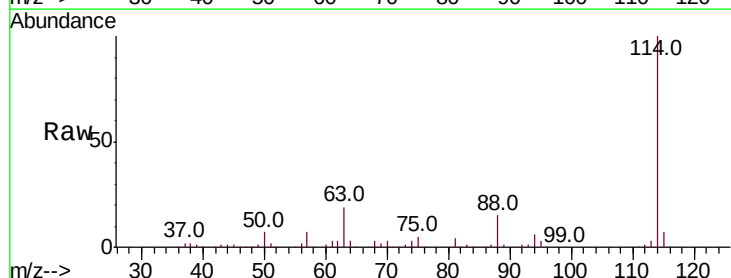
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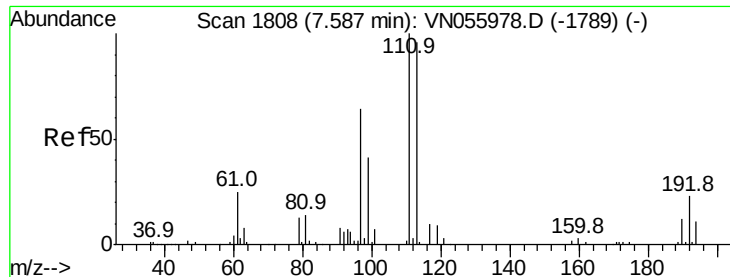
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	39.2	
88	15.2	0.0	31.0	





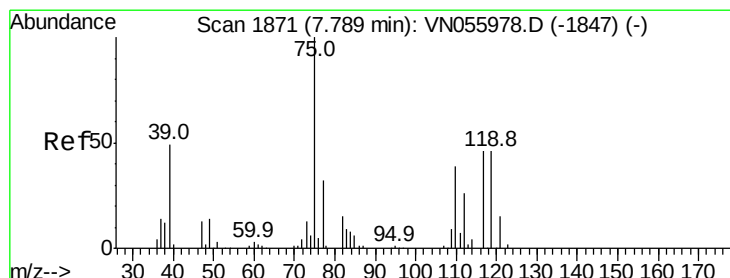
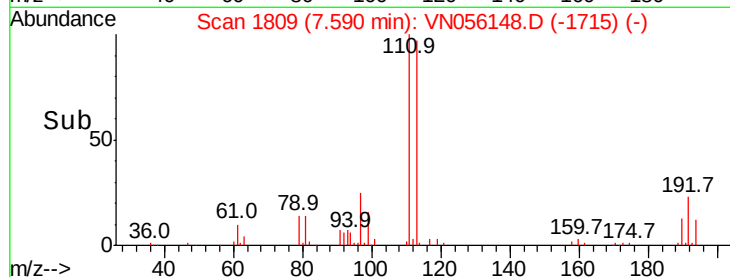
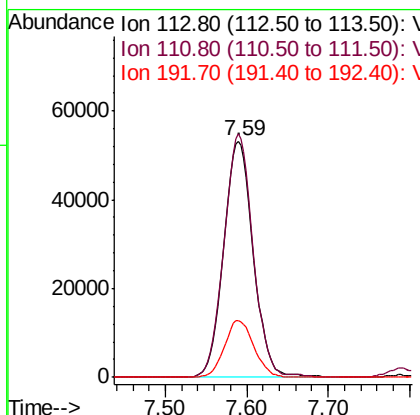
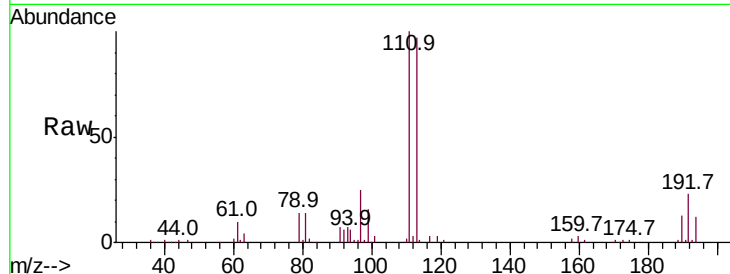
#35
 Dibromofluoromethane
 Concen: 51.307 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.9	81.9	122.9	
192	24.0	19.5	29.3	

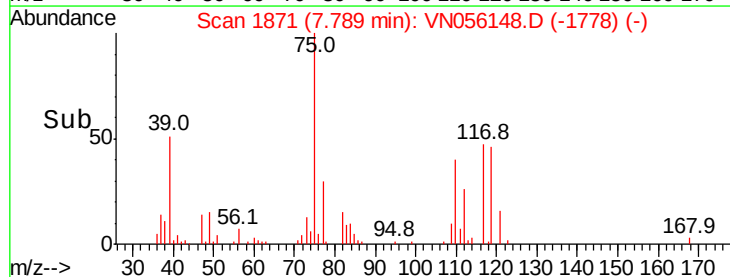
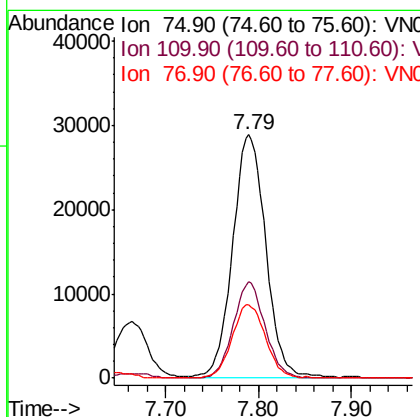
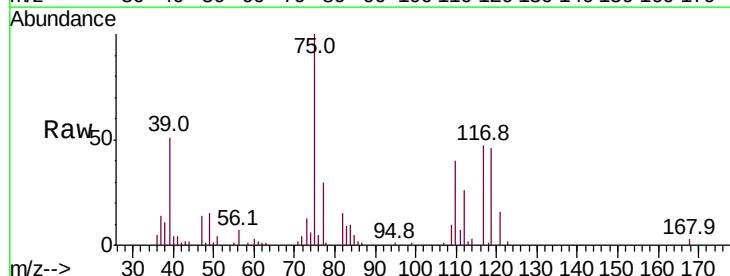
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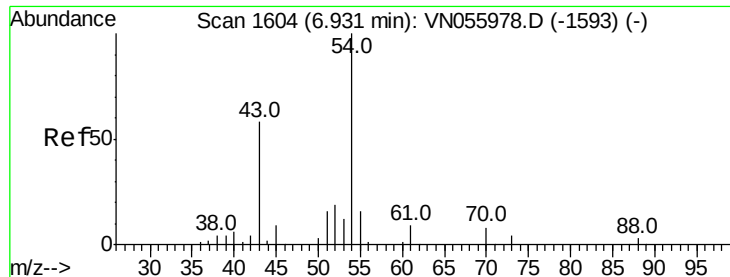
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#36
 1,1-Dichloropropene
 Concen: 19.456 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	19.0	57.0	
77	30.2	25.1	37.7	





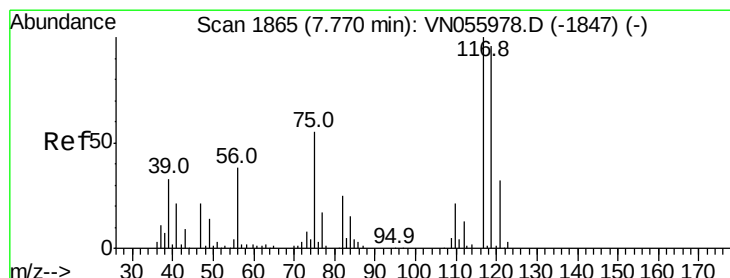
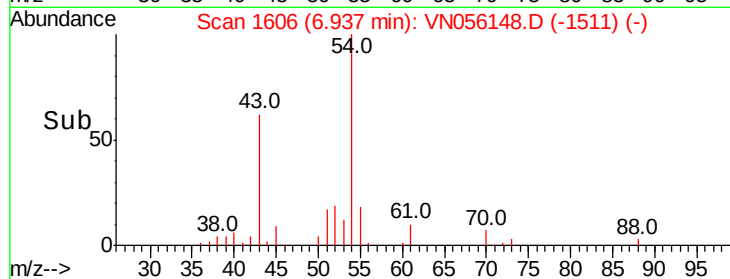
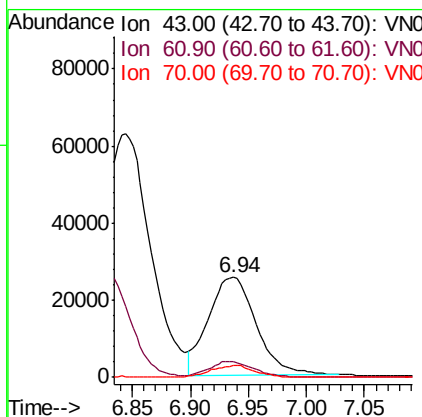
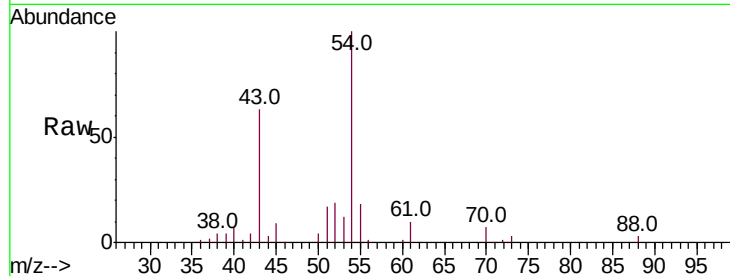
#37
Ethyl Acetate
Concen: 22.424 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	43	61	70
Ratio	100	15.2	11.1
Lower		12.2	8.9
Upper		18.2	13.3

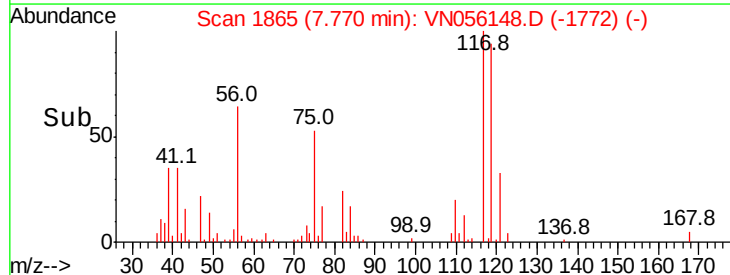
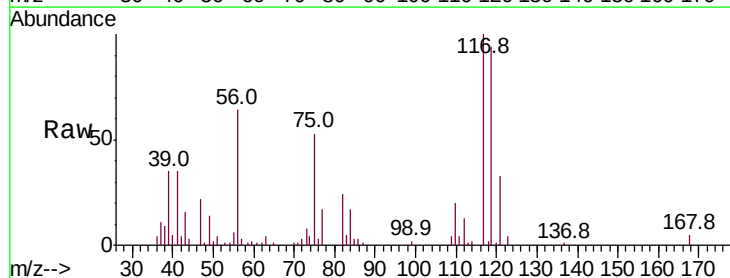
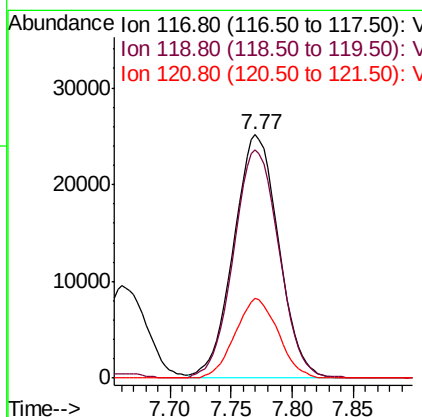
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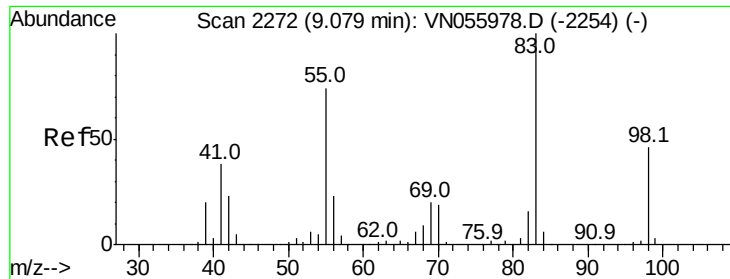
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#38
Carbon Tetrachloride
Concen: 18.856 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	117	119	121
Ratio	100	93.8	32.6
Lower		79.0	24.7
Upper		118.6	37.1





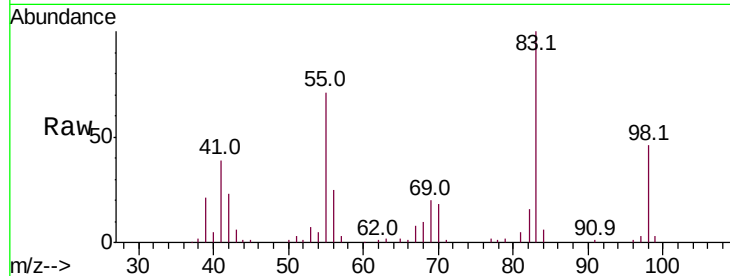
#39
Methylvlcyclohexane
Concen: 18.283 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.3	88.9
98	46.3	36.6	54.8

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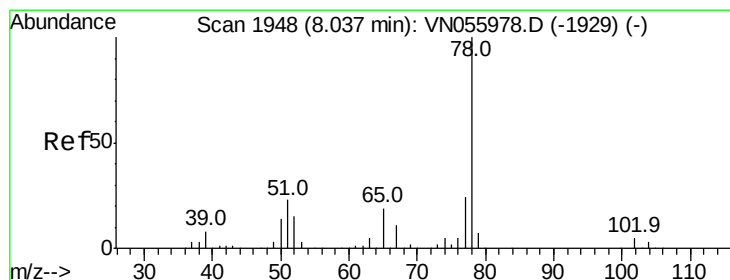
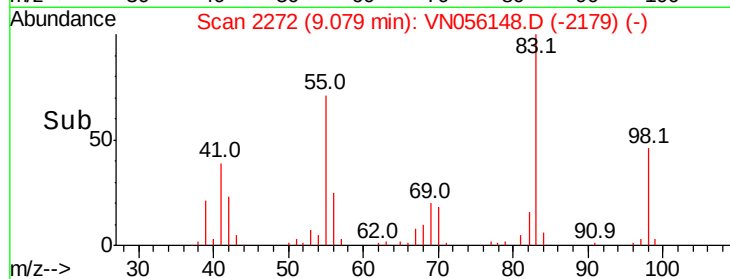
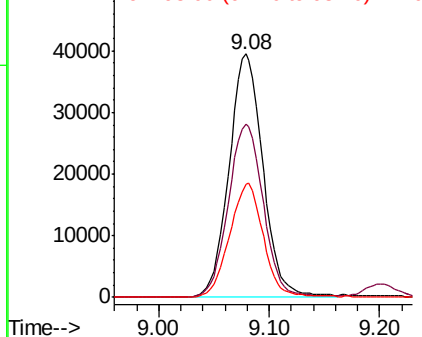


Abundance

Ion 83.00 (82.70 to 83.70): VN0

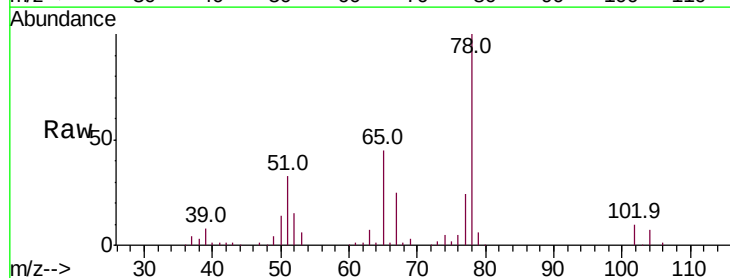
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.450 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

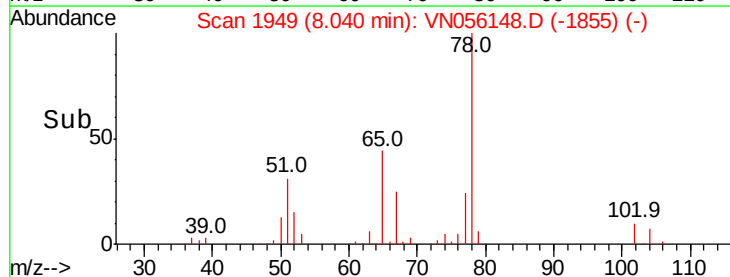
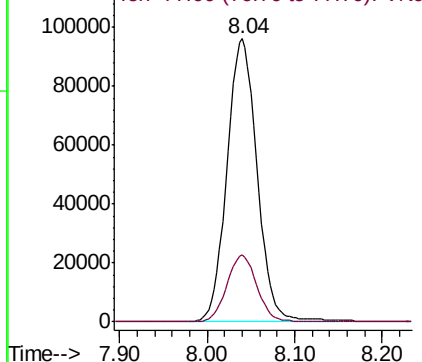
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

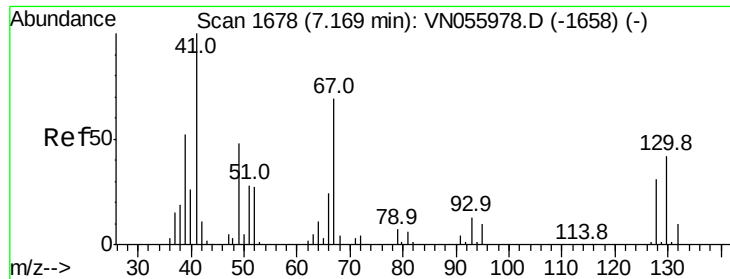


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





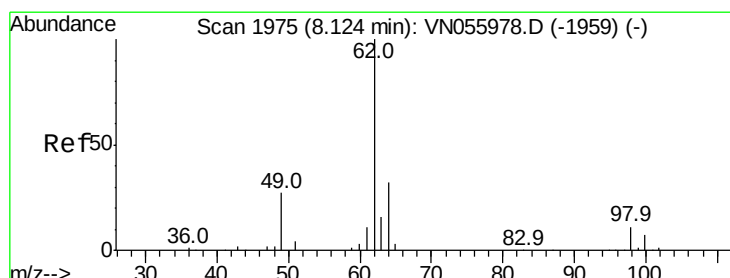
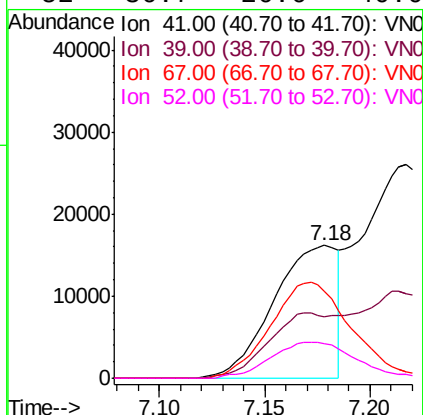
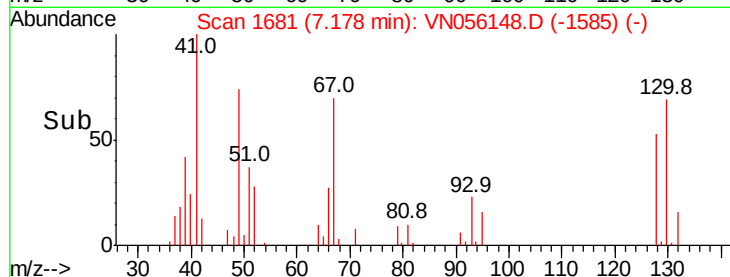
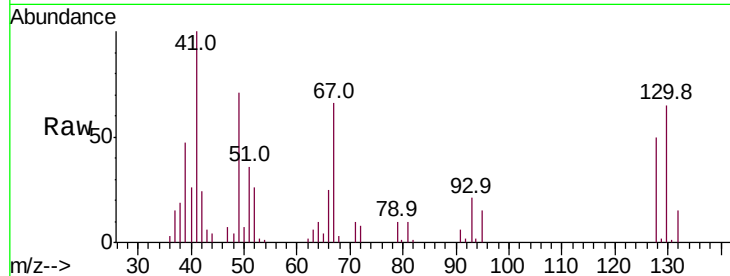
#41
Methacrylonitrile
Concen: 22.471 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	42.6	45.6	68.4	
67	91.6	67.7	101.5	
52	36.7	26.6	40.0	

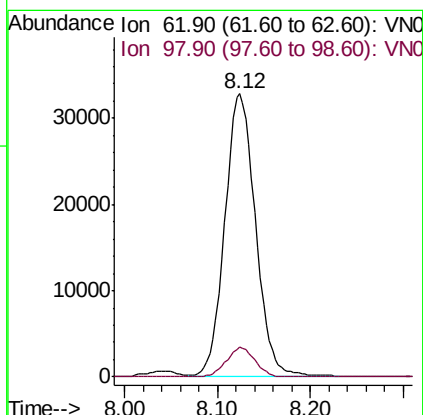
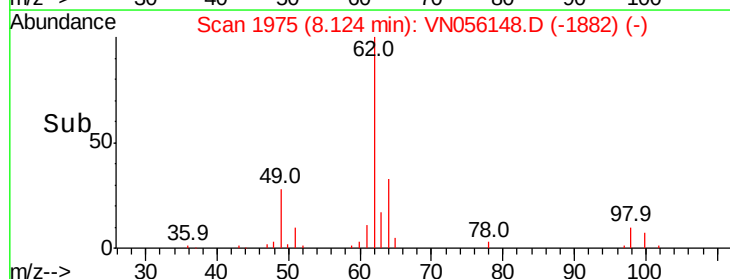
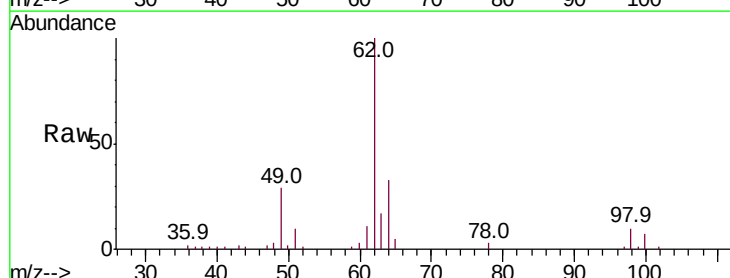
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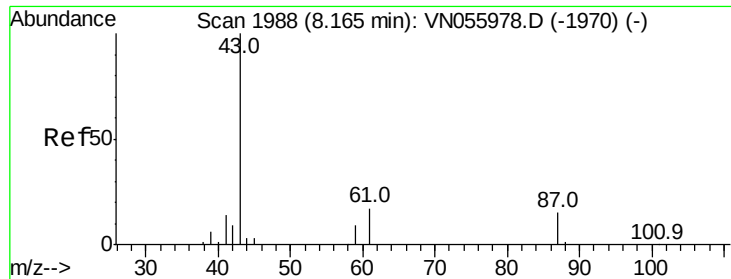
MMDadoda
6/10/2019 11:25:35 AM



#42
1,2-Dichloroethane
Concen: 20.939 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.2	





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

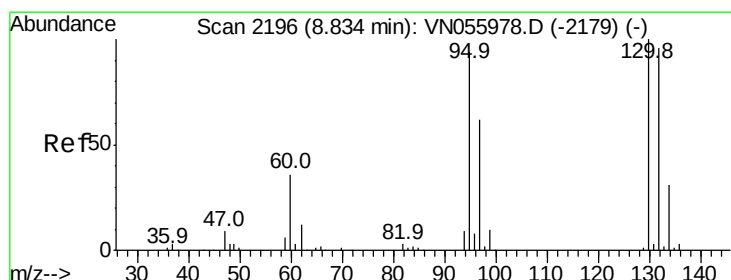
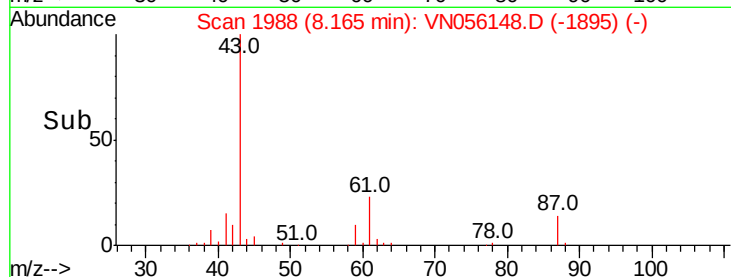
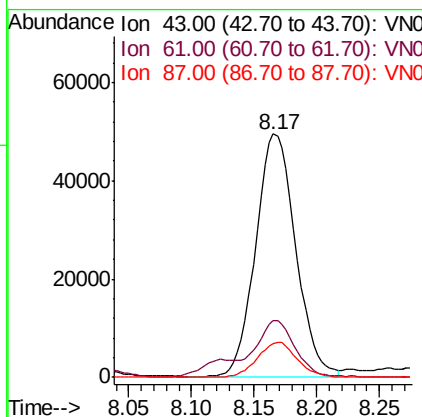
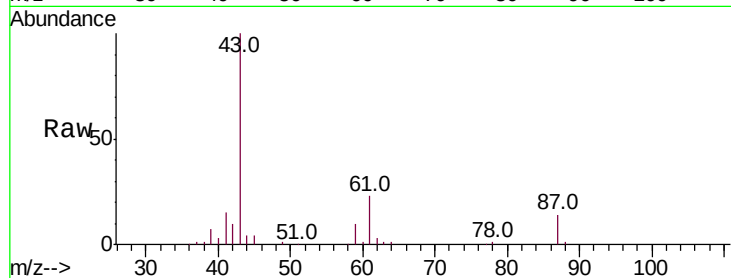
ClientSampleId :

VN0608WBSD04

Tot Ion:	43	Resp:	110371
Ion Ratio	Lower	Upper	
43	100		
61	21.3	22.2	33.4#
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 20.052 ug/l

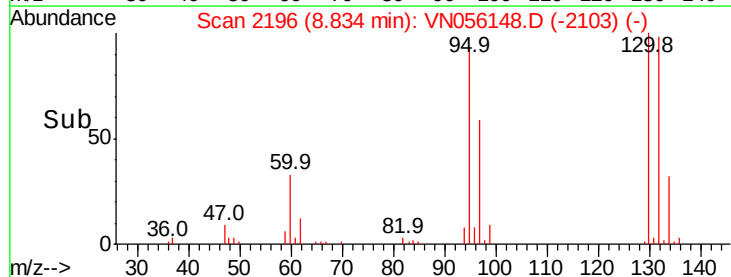
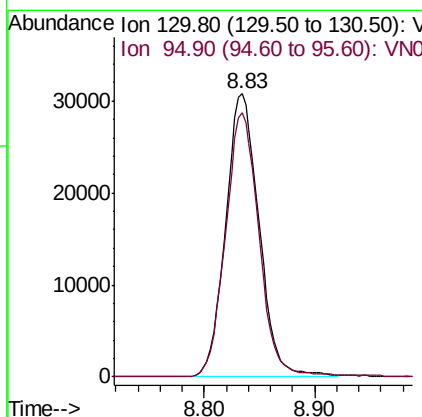
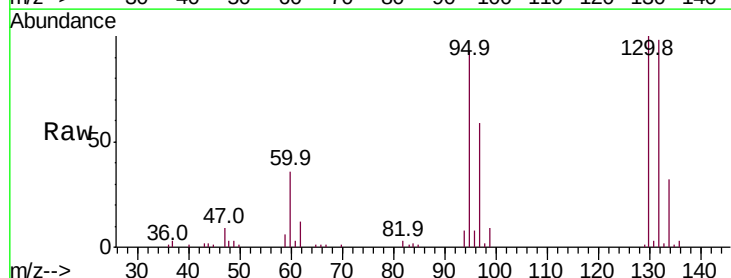
RT: 8.83 min Scan# 2196

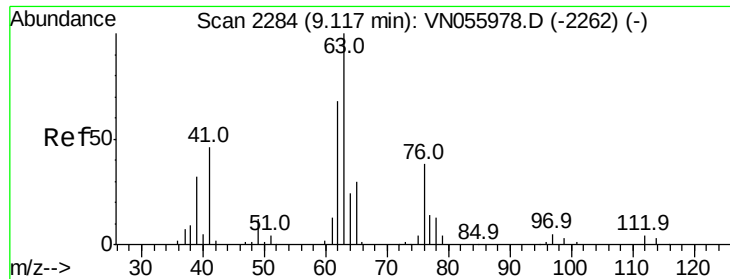
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	130	Resp:	64801
Ion Ratio	Lower	Upper	
130	100		
95	93.3	0.0	188.0





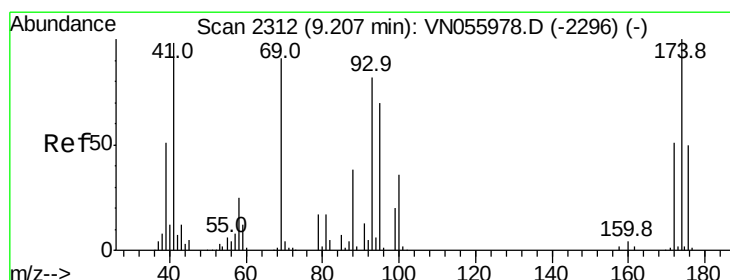
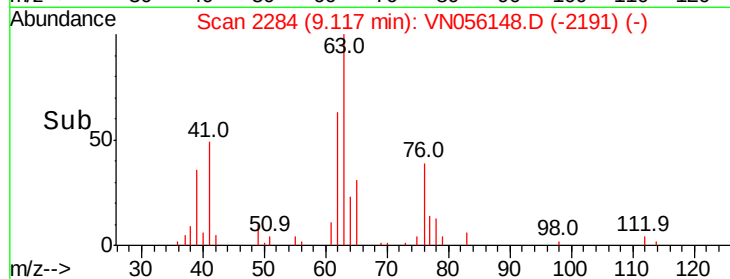
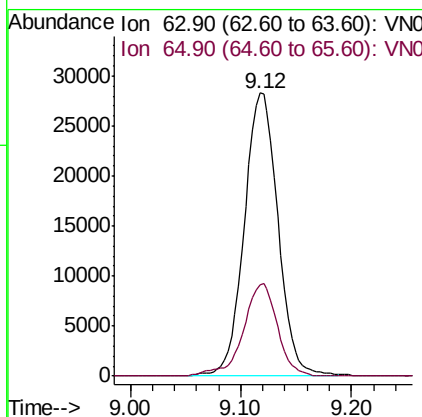
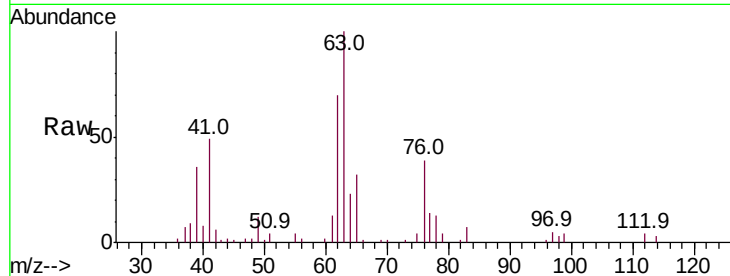
#45
 1,2-Dichloropropane
 Concen: 20.830 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion: 63 Resp: 60004
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

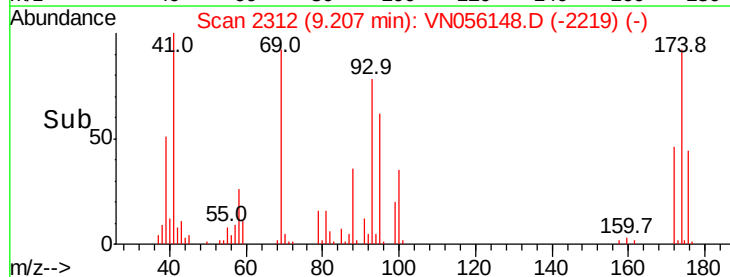
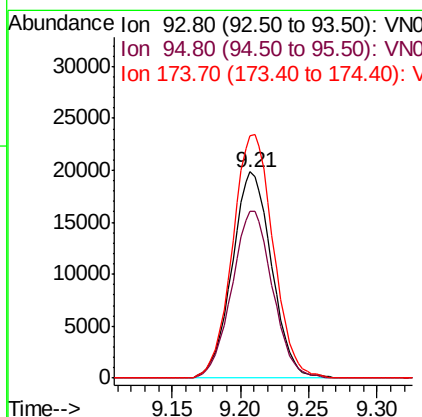
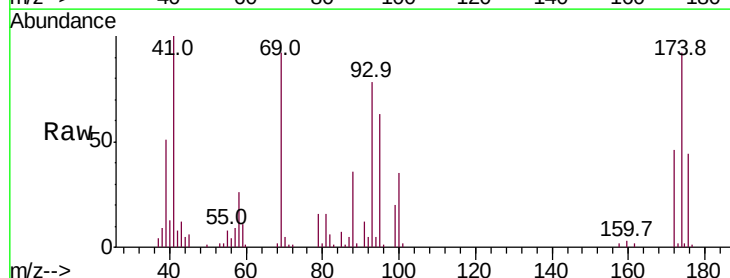
Manual Integrations
 APPROVED

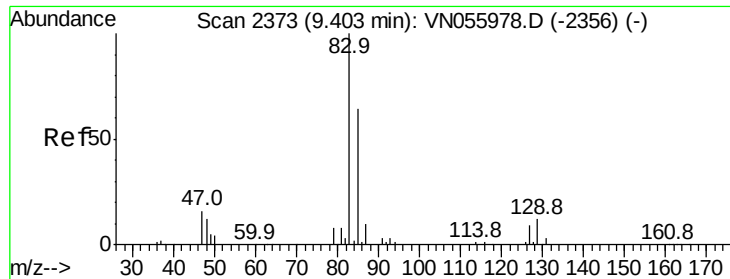
MMDadoda
 6/10/2019 11:25:35 AM



#46
 Dibromomethane
 Concen: 21.272 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion: 93 Resp: 40071
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 121.0 96.4 144.6





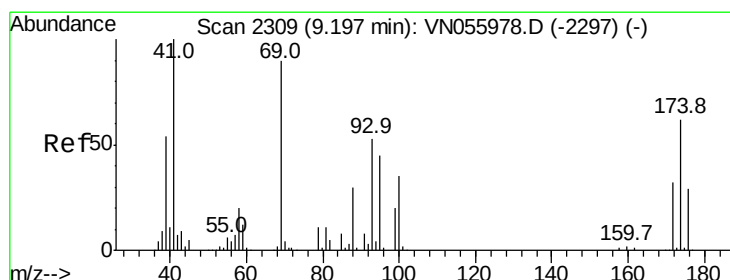
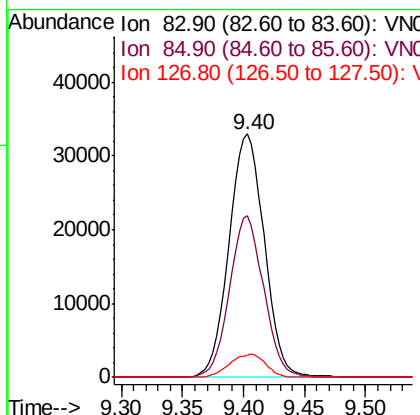
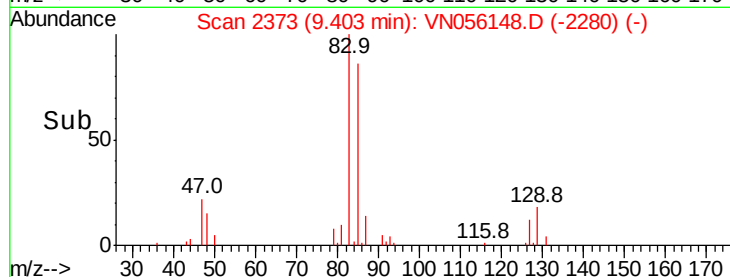
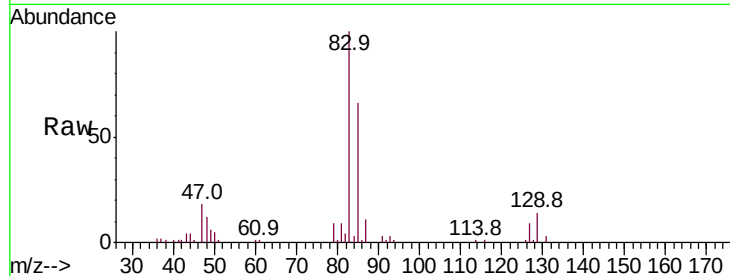
#47
Bromodichloromethane
Concen: 19.426 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.2
127	9.3	7.4	11.0

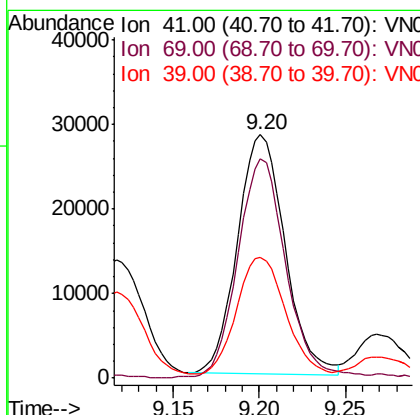
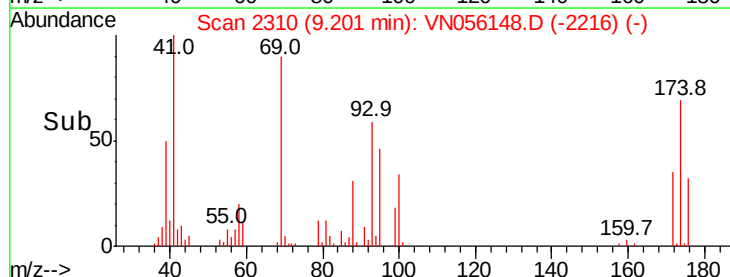
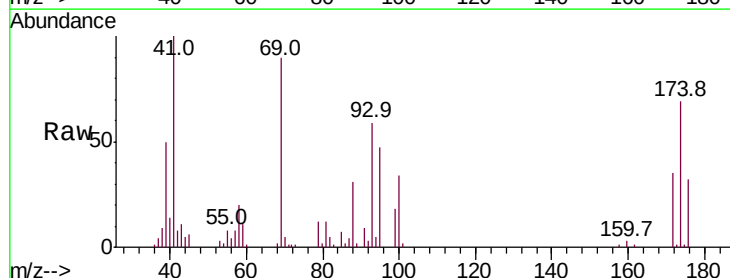
Manual Integrations
APPROVED

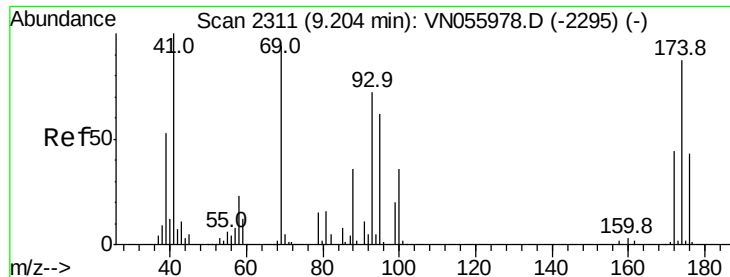
MMDadoda
6/10/2019 11:25:35 AM



#48
Methyl methacrylate
Concen: 20.751 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.2	71.0	106.6
39	54.0	44.2	66.2





#49

1,4-Dioxane

Concen: 423.852 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

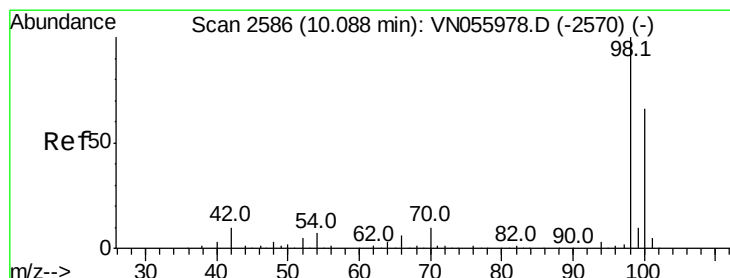
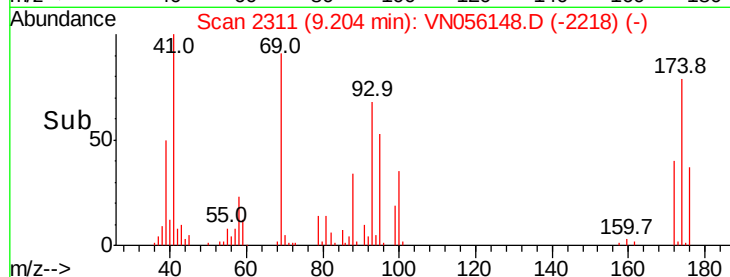
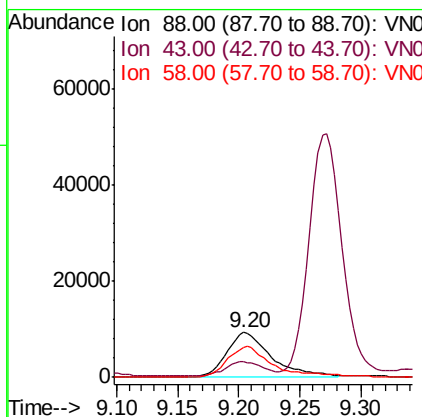
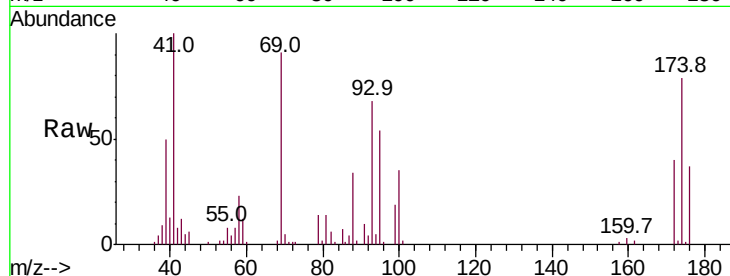
ClientSampleId :

VN0608WBSD04

Tot Ion:	88	Resp:	23900
Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.5	30.7
58	71.6	55.8	83.6

Manual Integrations
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6/10/2019 11:25:35 AM



#50

Toluene-d8

Concen: 50.756 ug/l

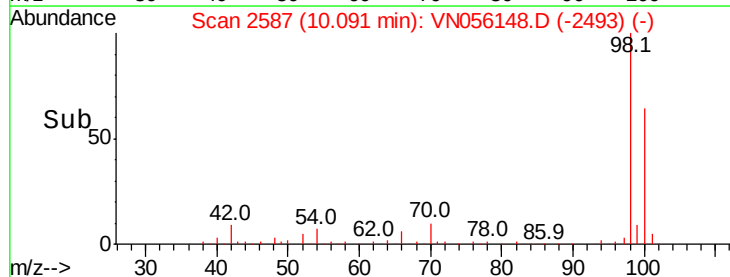
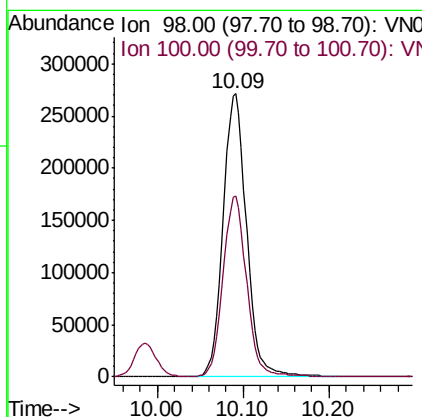
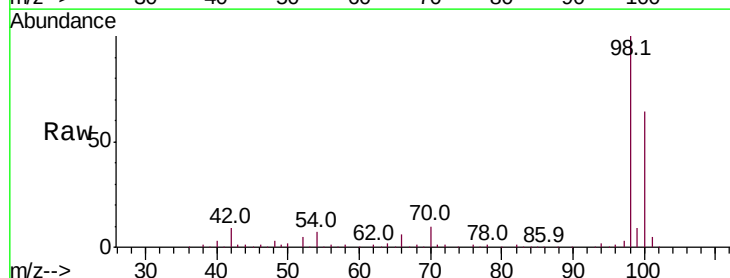
RT: 10.09 min Scan# 2587

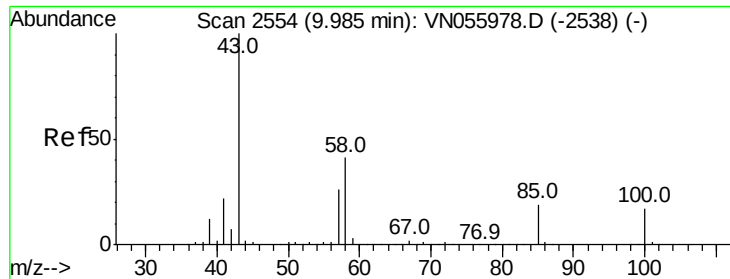
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	98	Resp:	516018
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 110.406 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tot Ion: 43 Resp: 368602

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

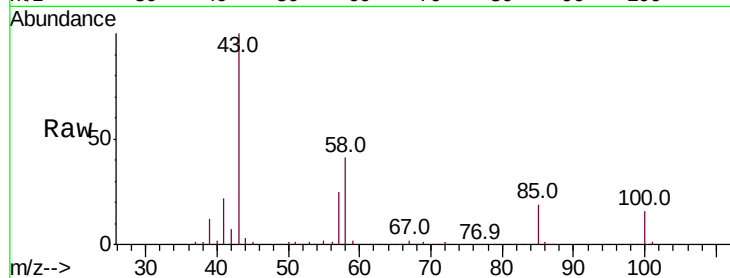
VN0608WBSD04

Manual Integrations

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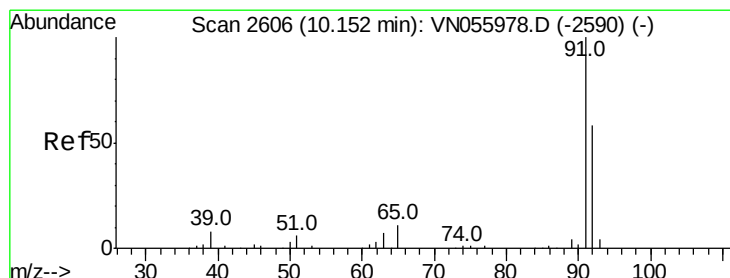
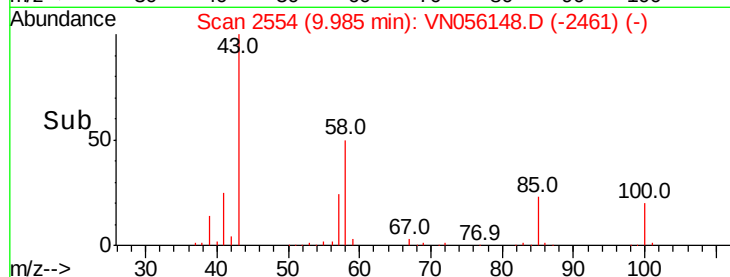
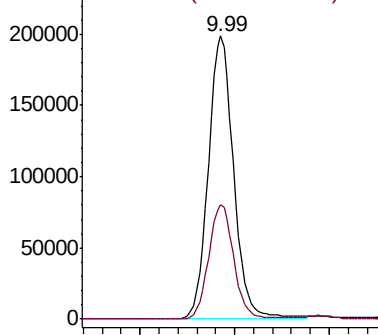
MMDadoda

6/10/2019 11:25:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.471 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056148.D

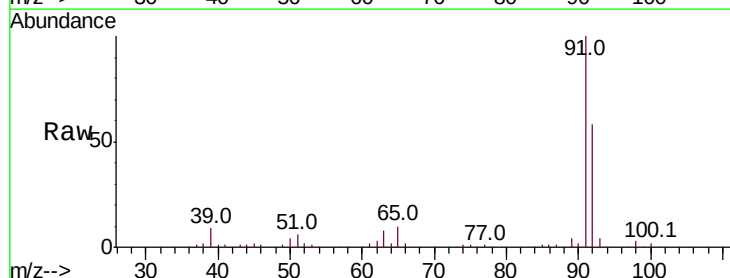
Acq: 8 Jun 2019 12:52

Tgt Ion: 92 Resp: 143258

Ion Ratio Lower Upper

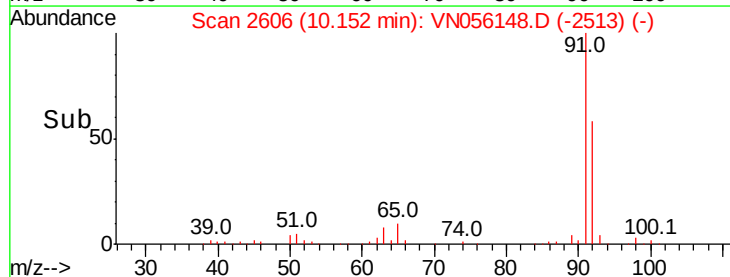
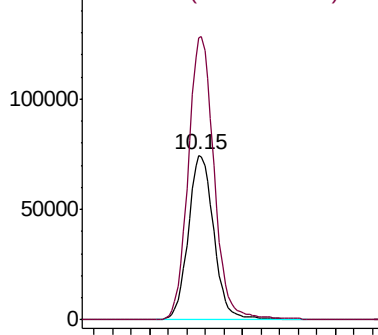
92 100

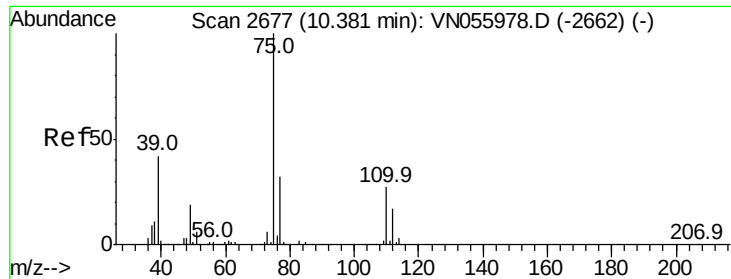
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





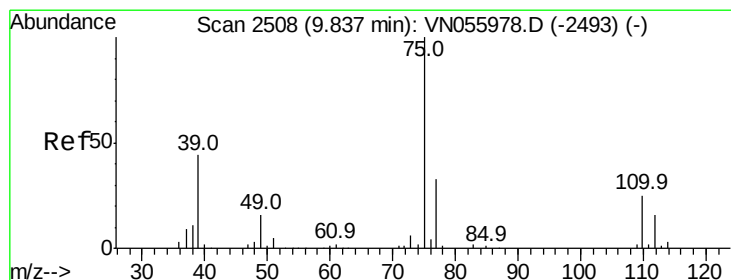
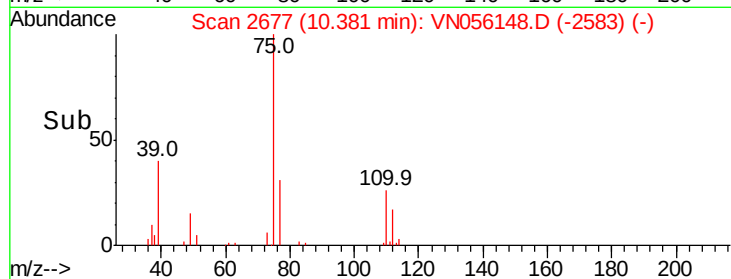
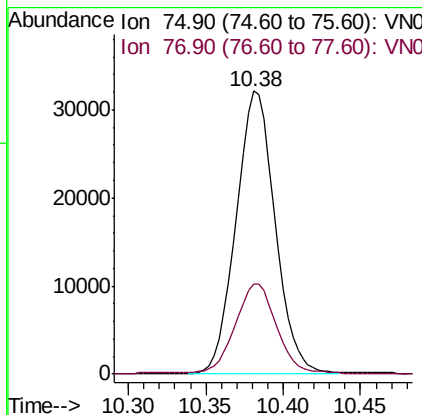
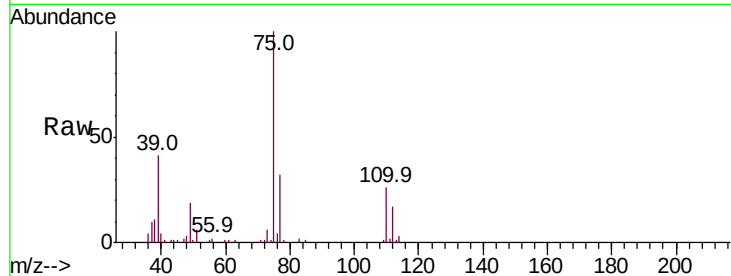
#53
 t-1,3-Dichloropropene
 Concen: 15.846 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6

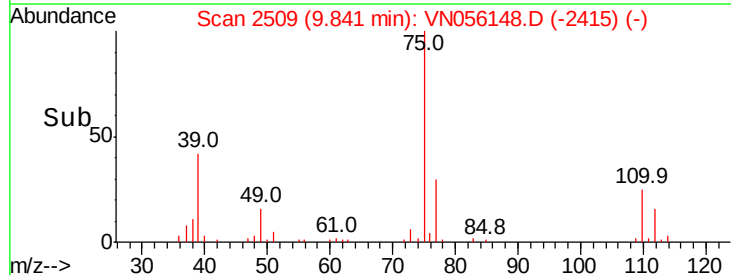
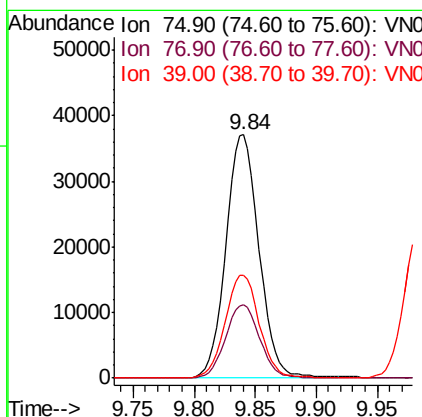
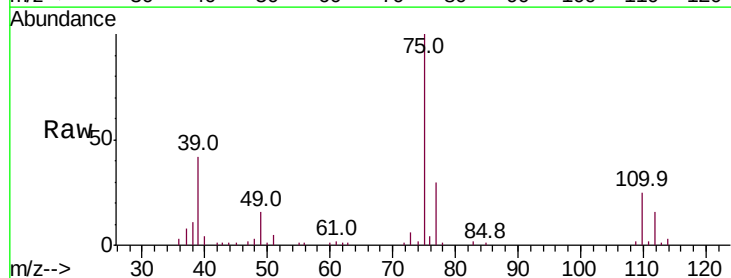
Manual Integrations
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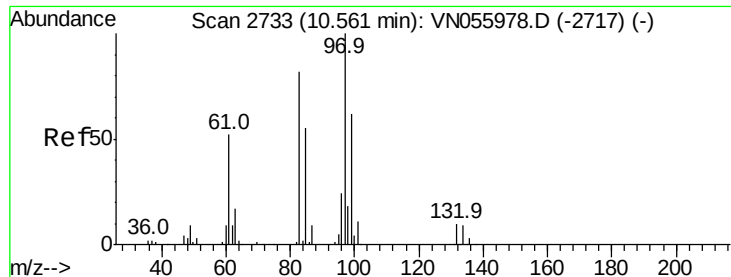
MMDadoda
 6/10/2019 11:25:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.132 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0
39	42.4	36.3	54.5





#55

1,1,2-Trichloroethane

Concen: 21.098 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 97 Resp: 58485

Ion Ratio Lower Upper

97 100

83 85.2 67.0 100.6

85 58.2 44.0 66.0

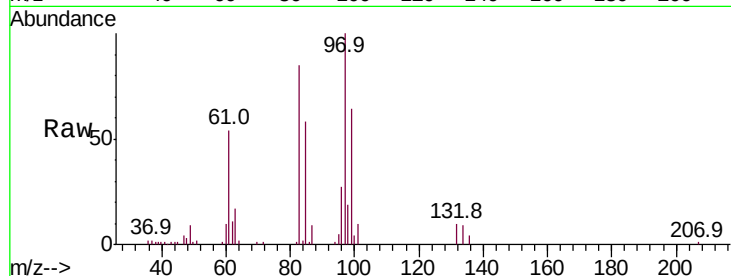
99 64.4 50.6 75.8

Manual Integrations

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6/10/2019 11:25:35 AM

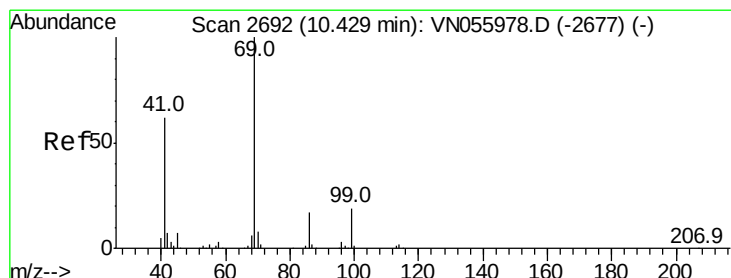
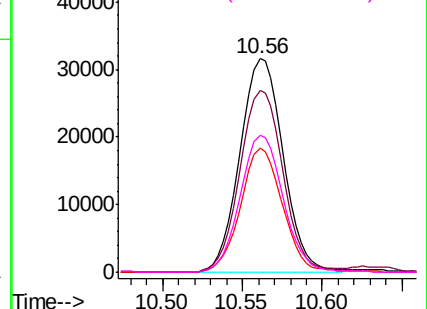
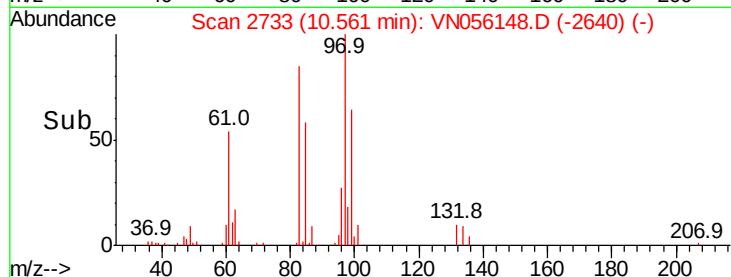


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.756 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

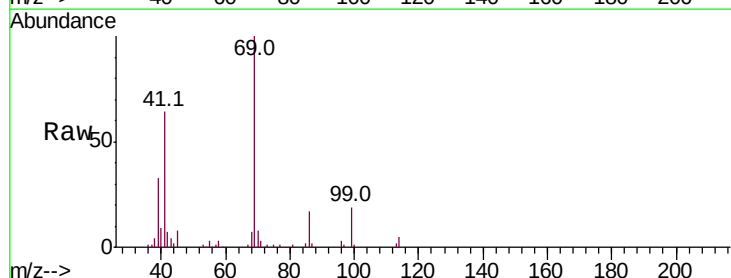
Tgt Ion: 69 Resp: 83942

Ion Ratio Lower Upper

69 100

41 60.2 49.7 74.5

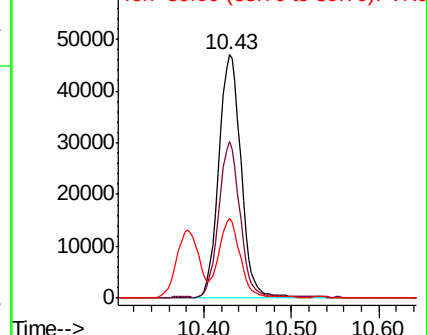
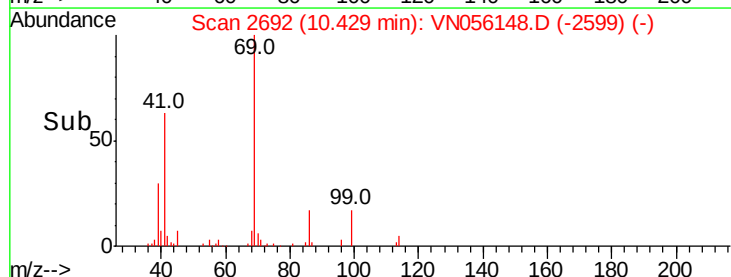
39 29.9 24.7 37.1

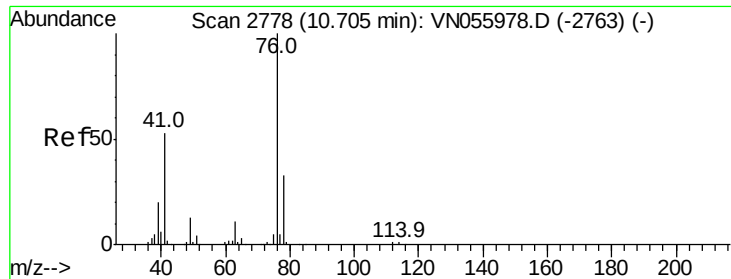


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





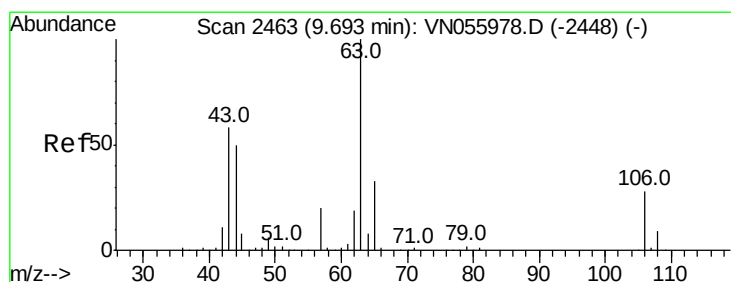
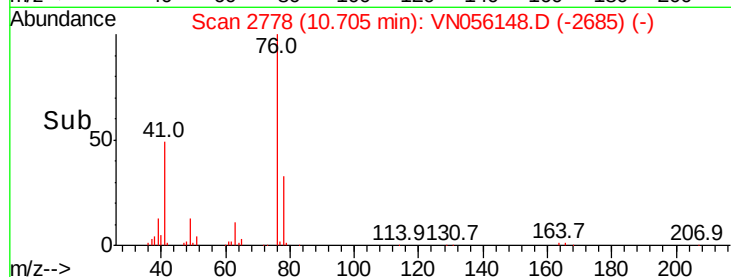
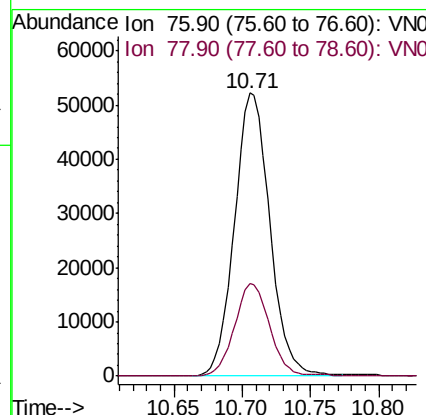
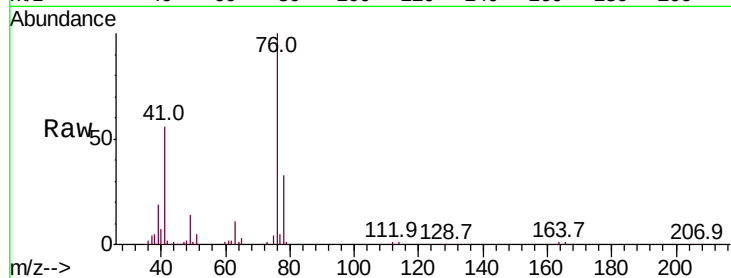
#57
 1,3-Dichloropropane
 Concen: 20.912 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion: 76 Resp: 94235
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

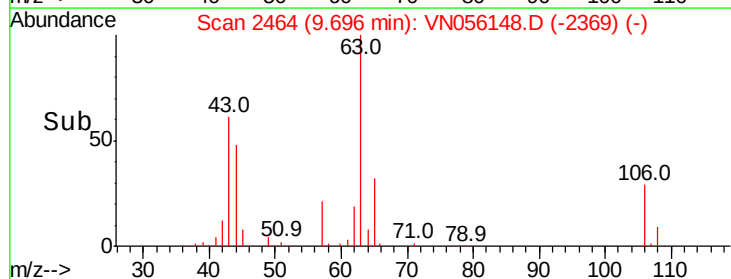
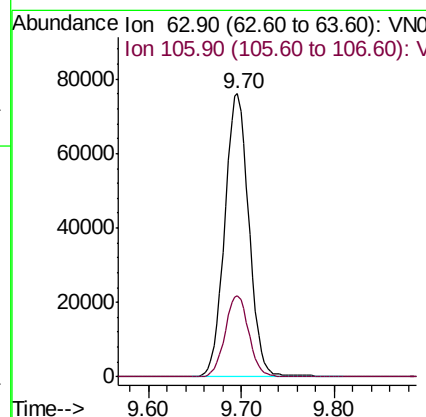
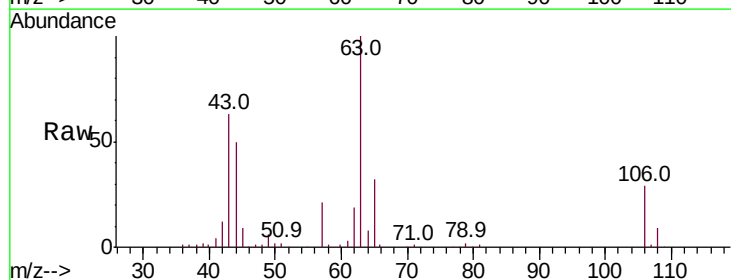
Manual Integrations
 APPROVED

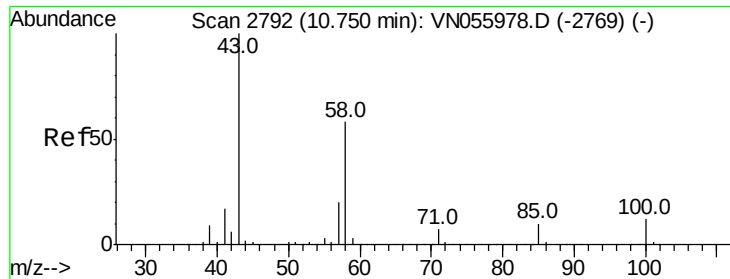
MMDadoda
 6/10/2019 11:25:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.532 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion: 63 Resp: 137511
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





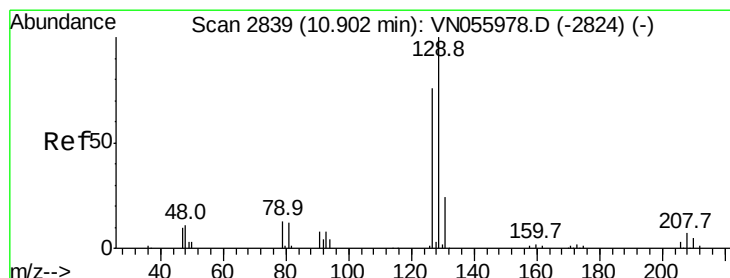
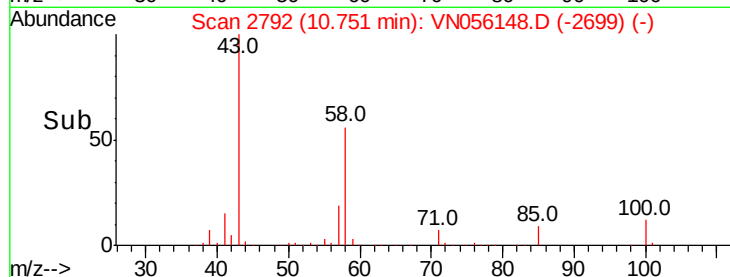
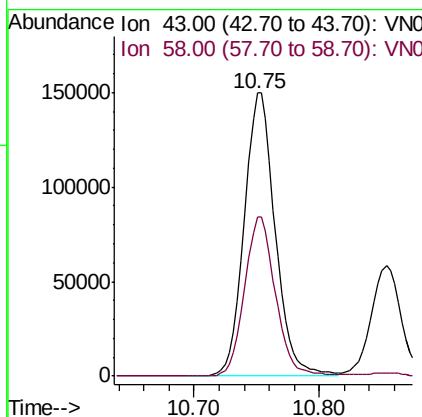
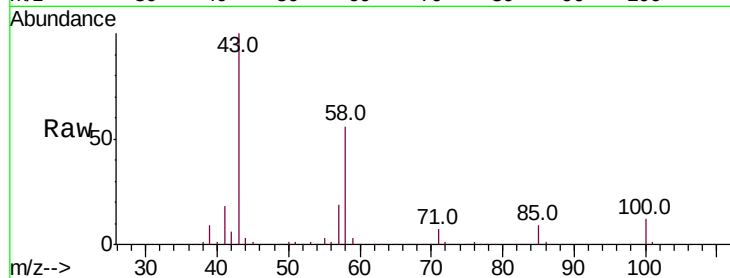
#59
2-Hexanone
Concen: 106.126 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 43 Resp: 256800
Ion Ratio Lower Upper
43 100
58 56.2 28.2 84.7

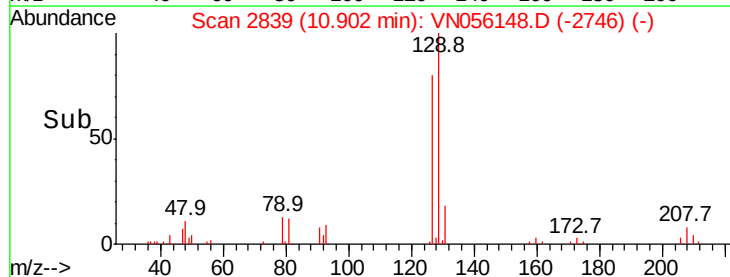
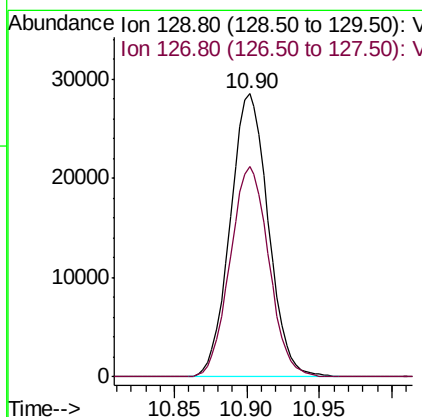
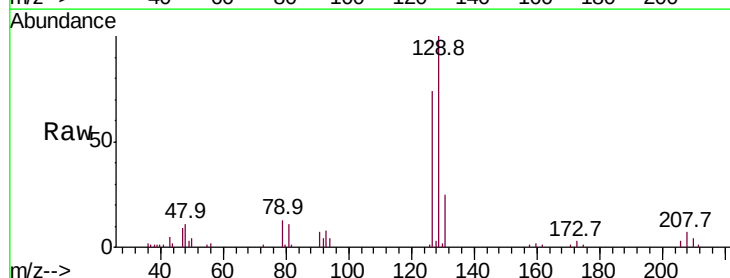
Manual Integrations
APPROVED

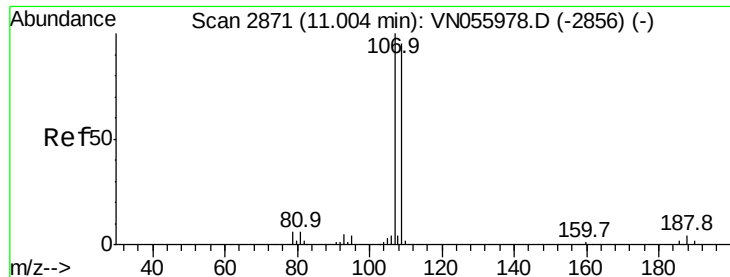
MMDadoda
6/10/2019 11:25:35 AM



#60
Dibromochloromethane
Concen: 18.627 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 129 Resp: 52002
Ion Ratio Lower Upper
129 100
127 75.4 38.1 114.3





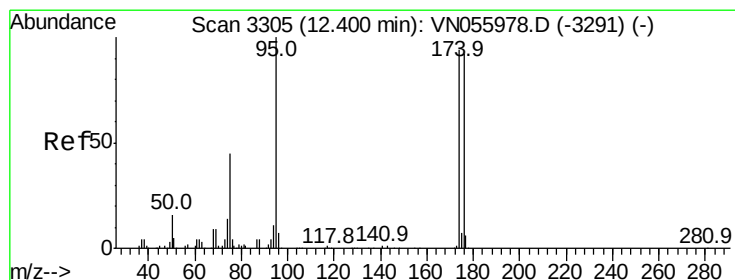
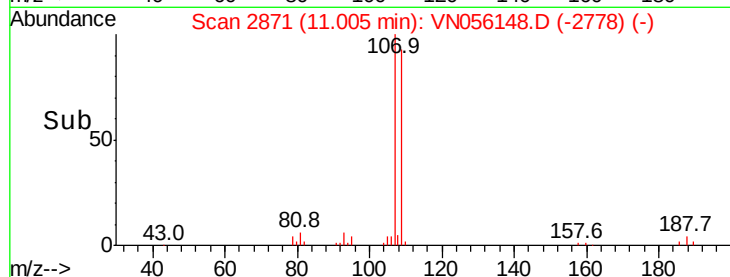
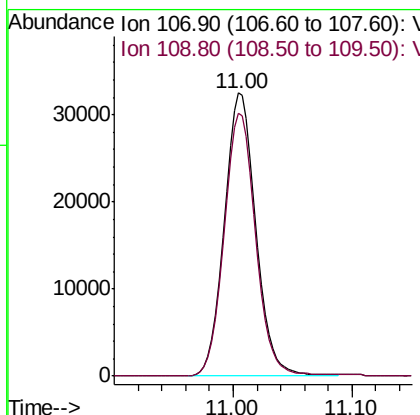
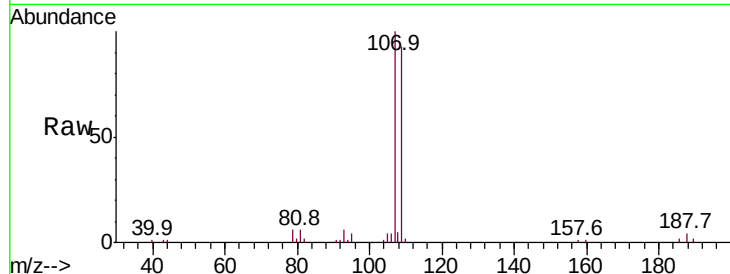
#61
 1,2-Dibromoethane
 Concen: 21.032 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.8	112.2

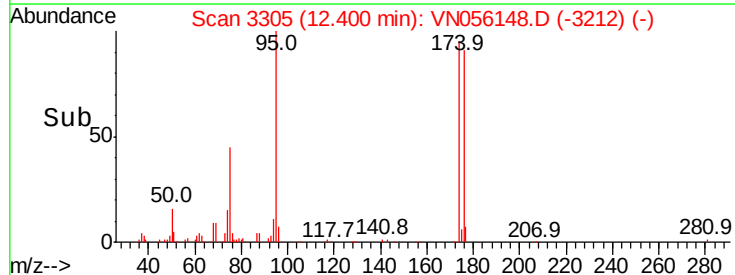
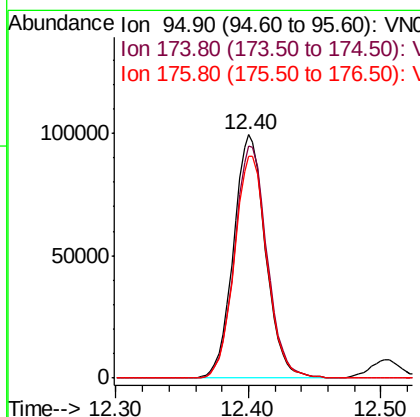
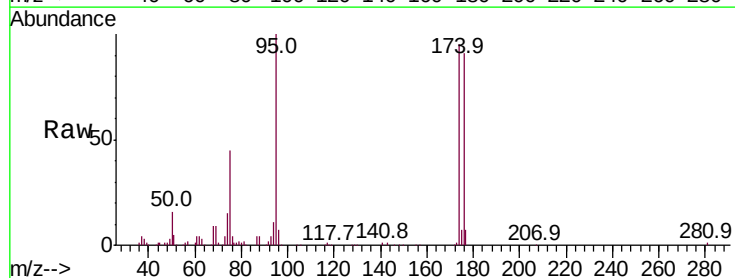
Manual Integrations
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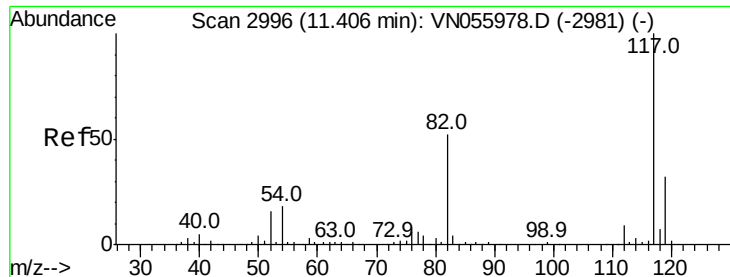
MMDadoda
 6/10/2019 11:25:35 AM



#62
 4-Bromofluorobenzene
 Concen: 48.178 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	191.0
176	93.0	0.0	185.2





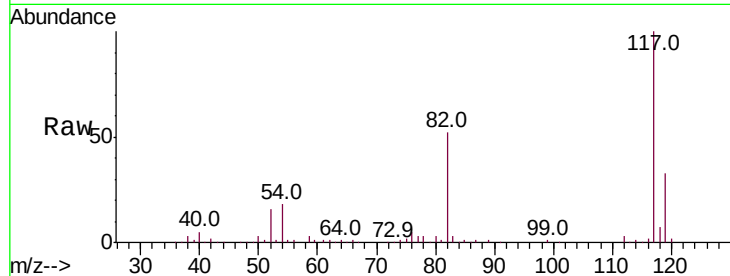
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	33.0	25.4	38.0

Manual Integrations
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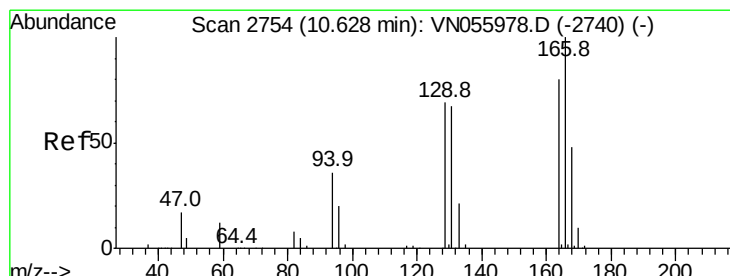
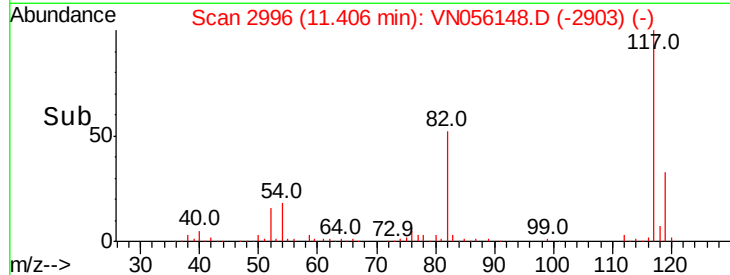
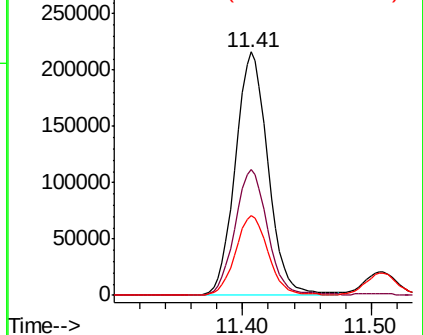


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.441 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.0	154.6
129	88.6	70.6	105.8
131	86.7	68.6	102.8

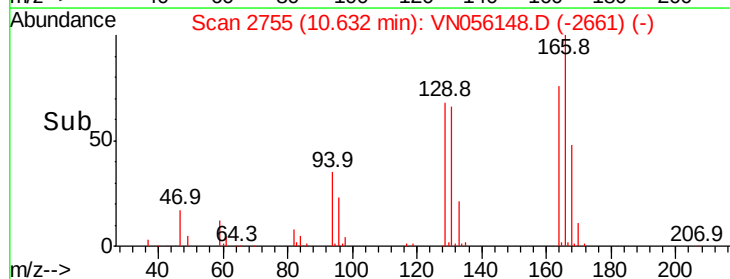
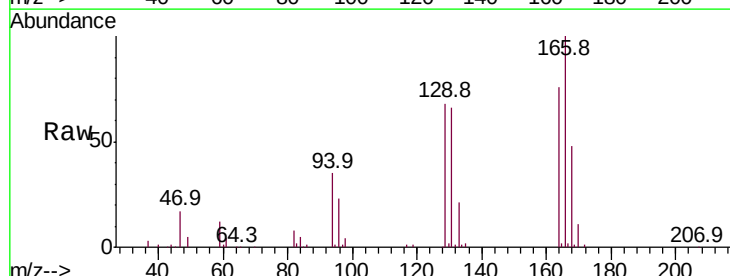
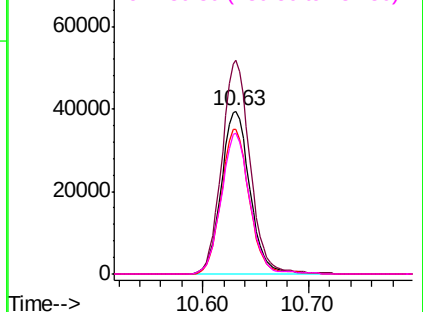
Abundance

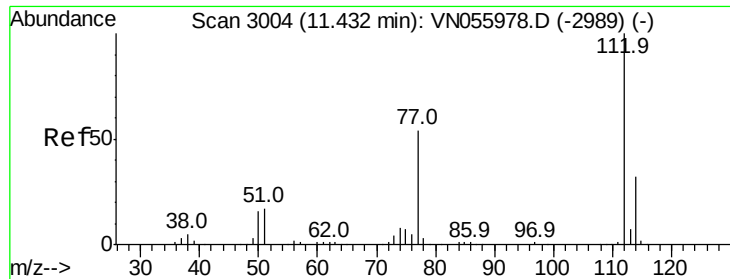
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





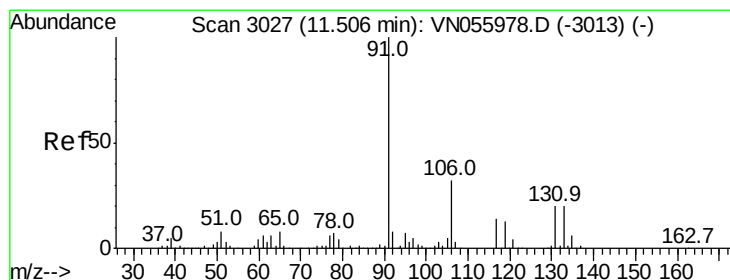
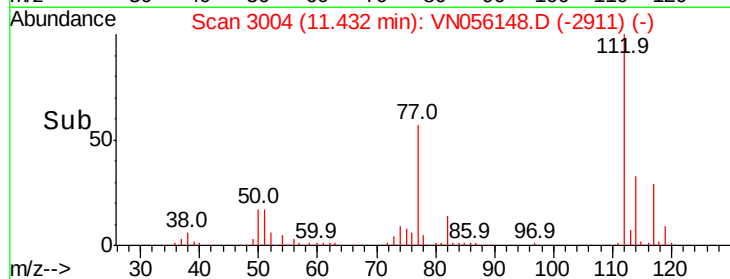
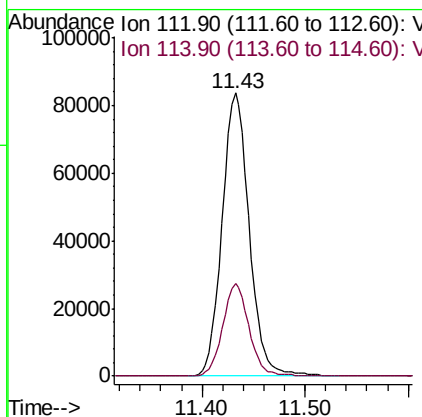
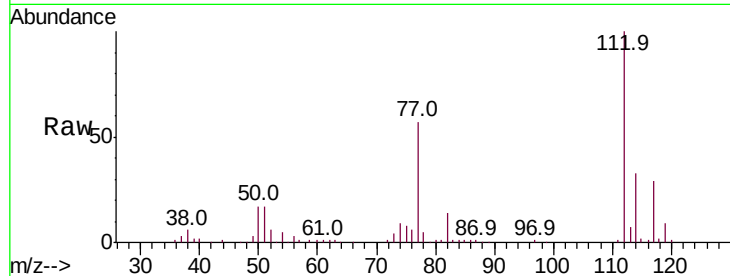
#65
Chlorobenzene
Concen: 20.205 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion:112 Resp: 153632
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4

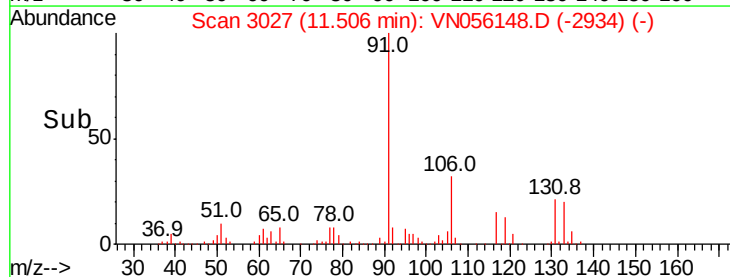
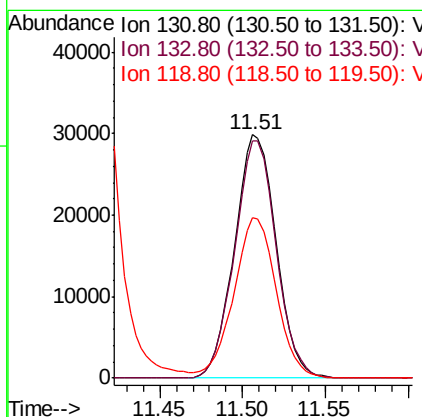
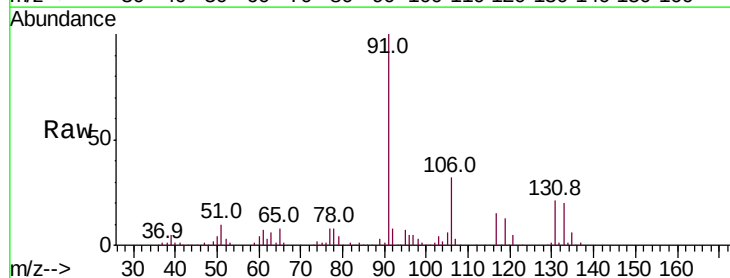
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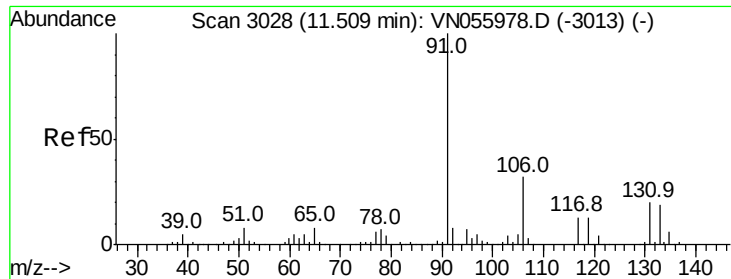
MMDadoda
6/10/2019 11:25:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.895 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion:131 Resp: 52231
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 67.1 33.1 99.5





#67

Ethyl Benzene

Concen: 19.945 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0608WBSD04

Tot Ion: 91 Resp: 263696

Ion Ratio Lower Upper

91 100

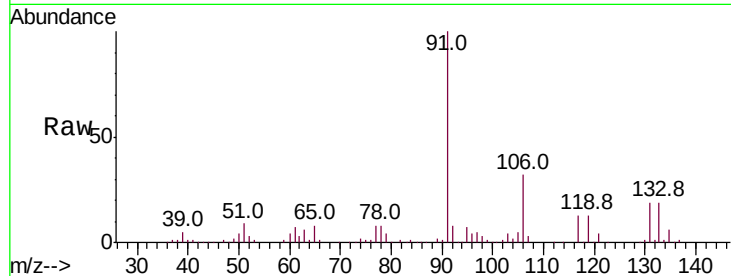
106 32.2 25.1 37.7

Manual Integrations

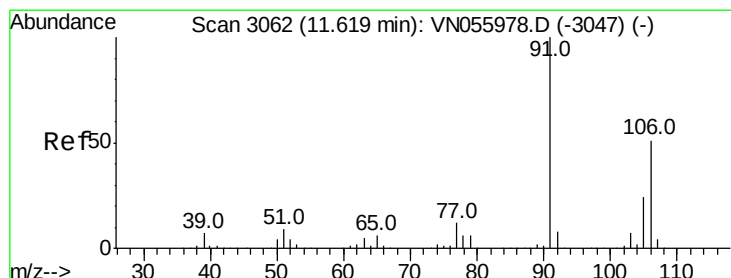
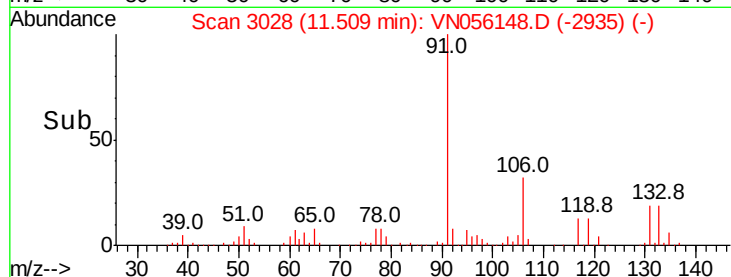
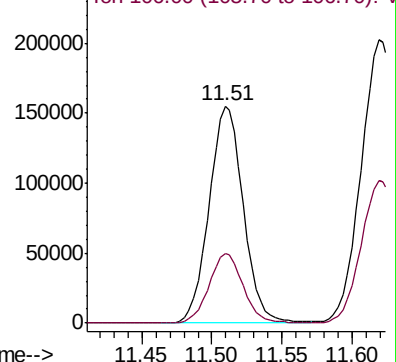
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6/10/2019 11:25:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3013) (-)



#68

m/p-Xylenes

Concen: 39.392 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056148.D

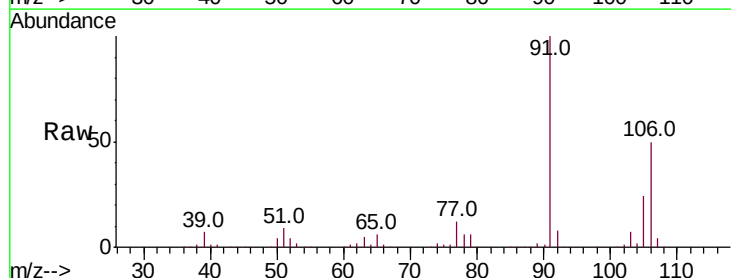
Acq: 8 Jun 2019 12:52

Tgt Ion: 106 Resp: 198957

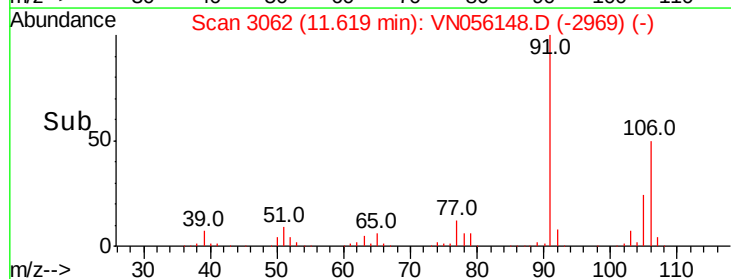
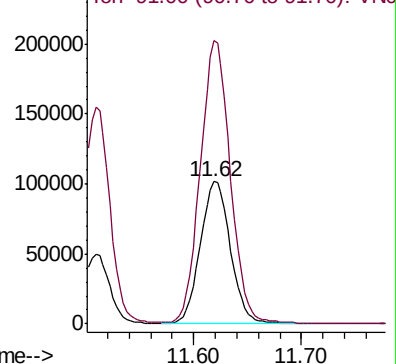
Ion Ratio Lower Upper

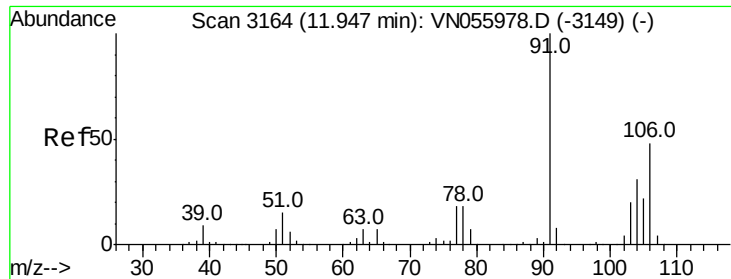
106 100

91 198.2 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): VN055978.D (-3047) (-)





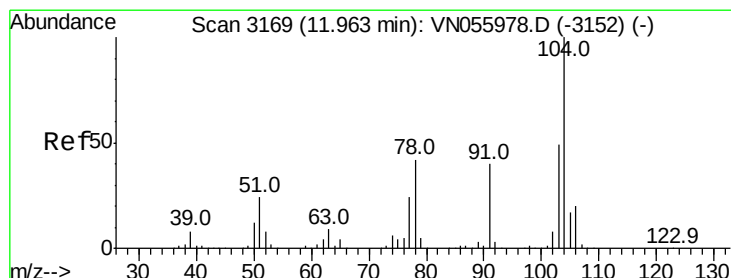
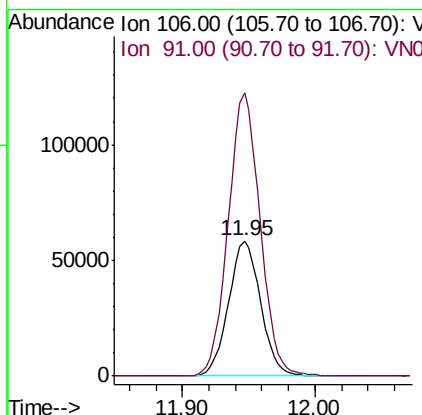
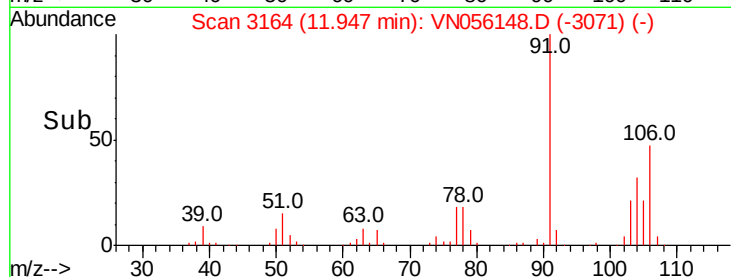
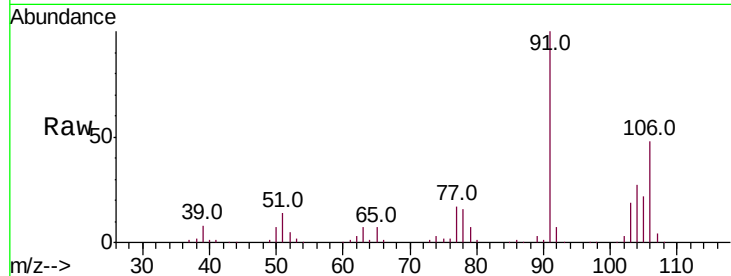
#69
o-Xylene
Concen: 19.754 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion:106 Resp: 98139
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1

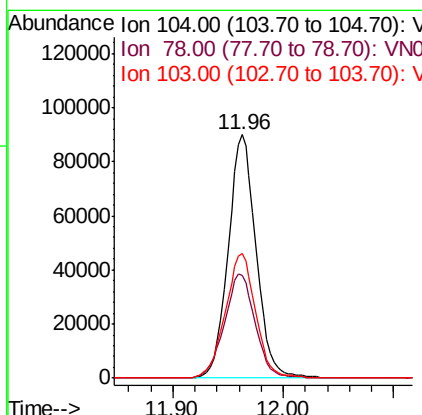
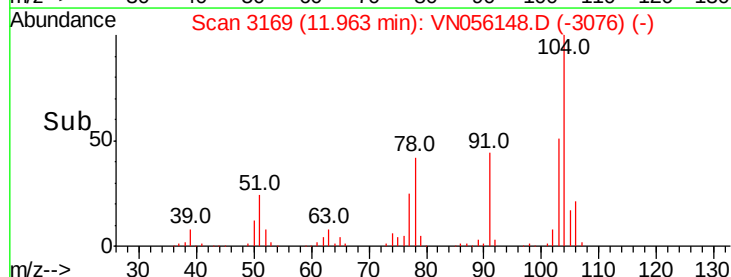
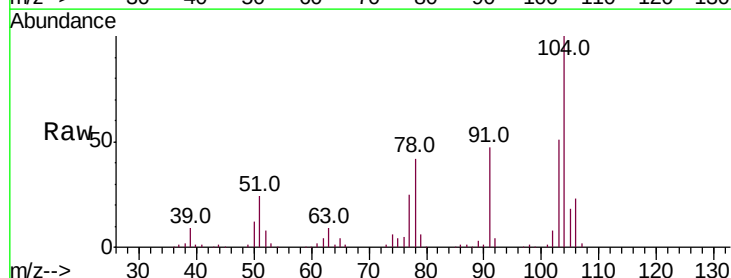
Manual Integrations
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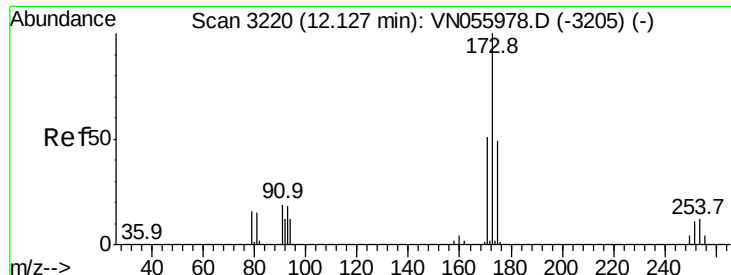
MMDadoda
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#70
Styrene
Concen: 19.977 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion:104 Resp: 157693
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.7 44.2 66.2





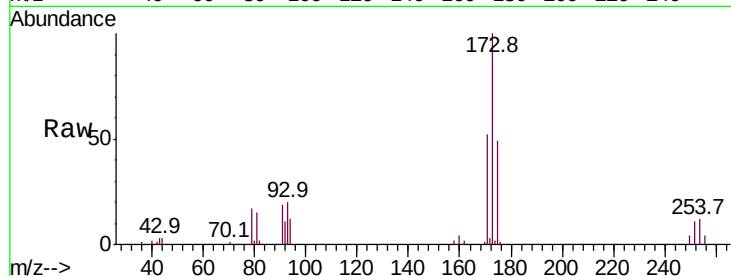
#71
Bromoform
Concen: 17.779 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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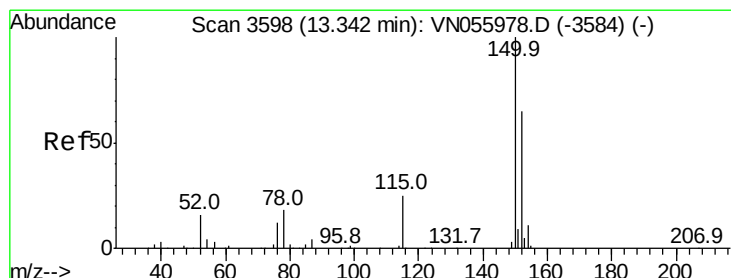
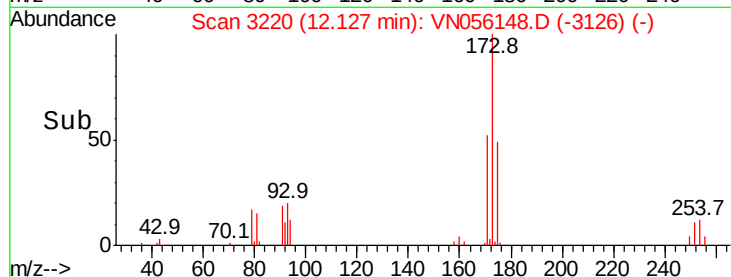
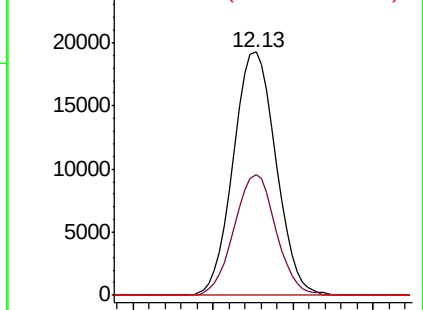


Abundance

Ion 172.70 (172.40 to 173.40): V

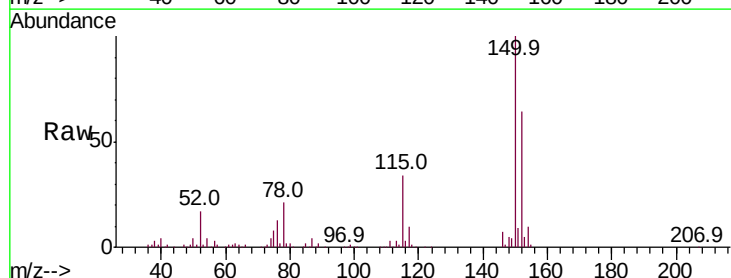
Ion 174.70 (174.40 to 175.40): V

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: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.0	81.0
150	163.8	0.0	343.2

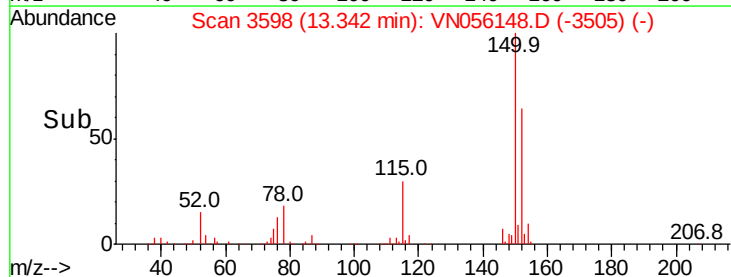
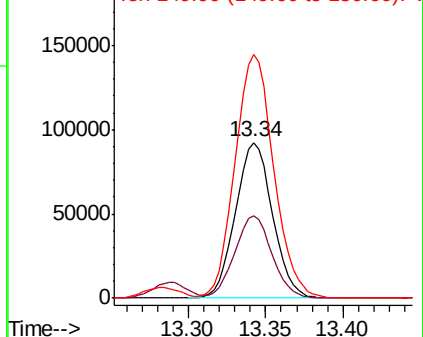


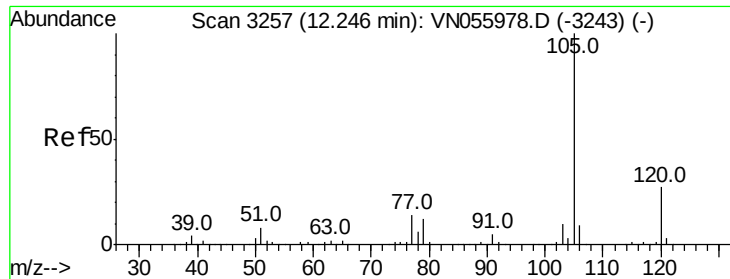
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





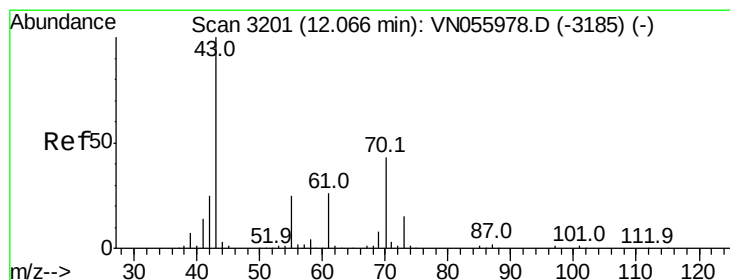
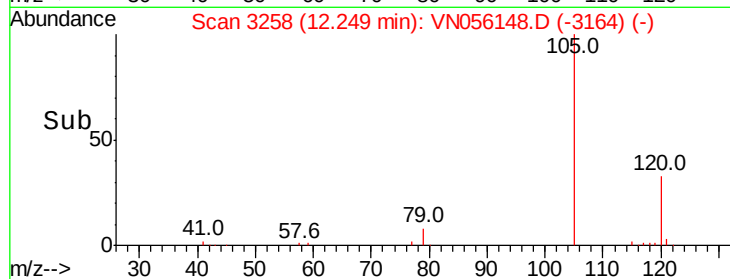
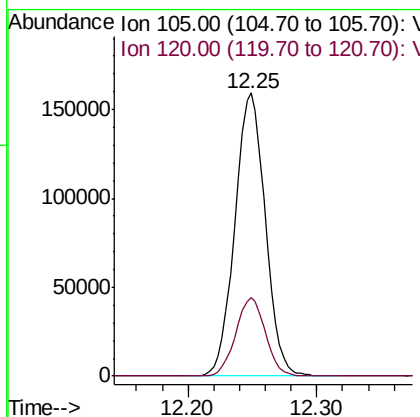
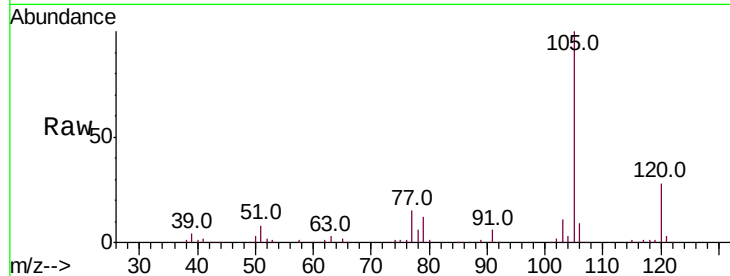
#73
Isopropylbenzene
Concen: 22.467 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 105 Resp: 260227
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

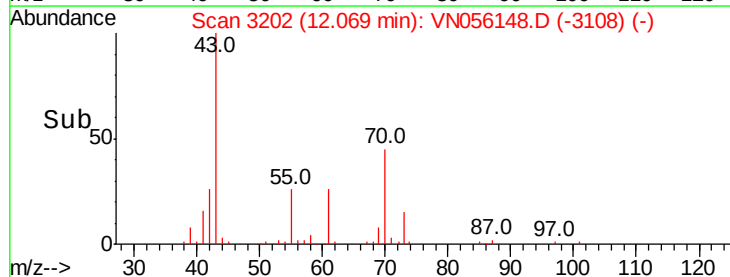
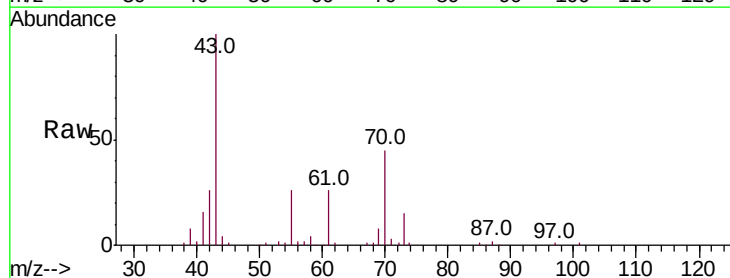
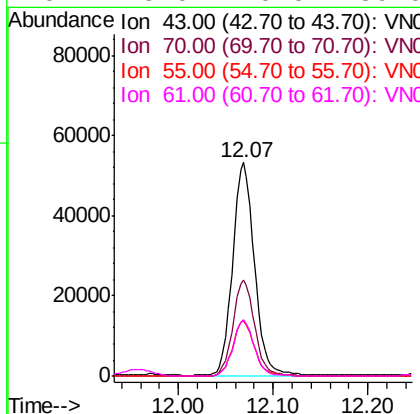
Manual Integrations
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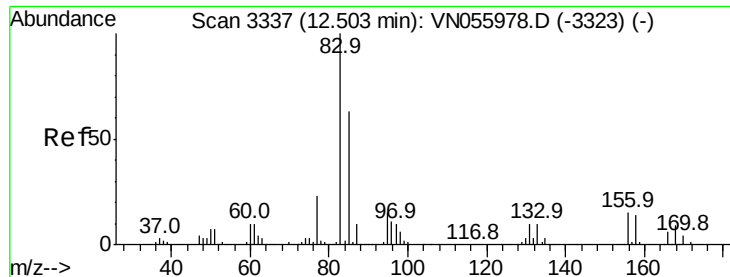
MMDadoda
6/10/2019 11:25:35 AM



#74
N-ethyl acetate
Concen: 21.122 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 43 Resp: 86367
Ion Ratio Lower Upper
43 100
70 44.0 34.0 51.0
55 25.5 18.6 28.0
61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.446 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

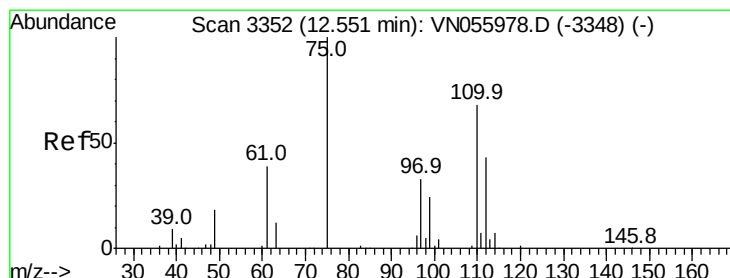
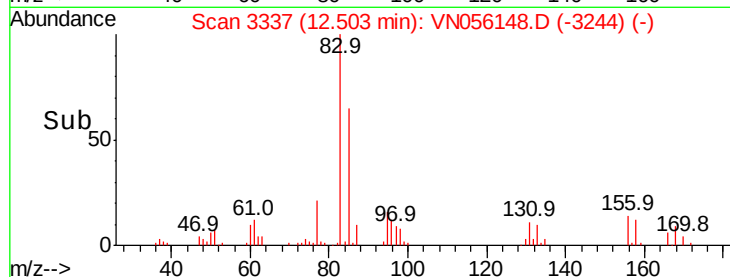
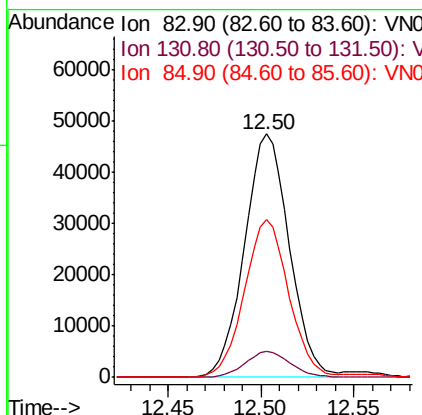
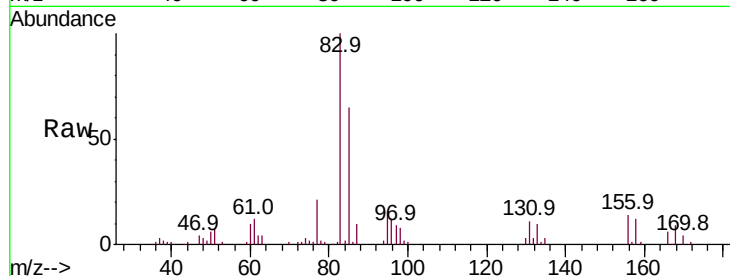
ClientSampleId :

VN0608WBSD04

Tot Ion:	83	Resp:	79931
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.644 ug/l m

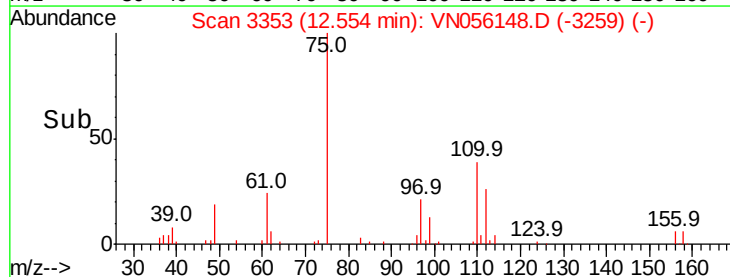
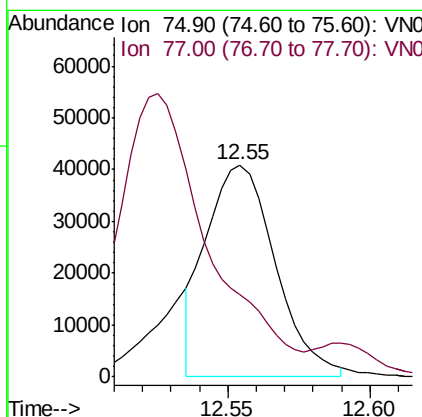
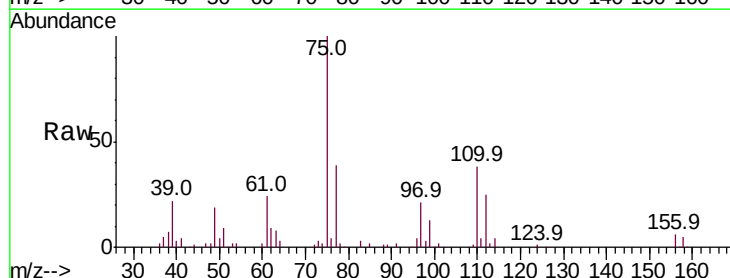
RT: 12.55 min Scan# 3353

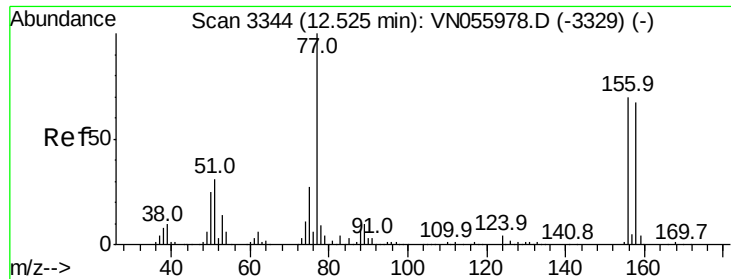
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	75	Resp:	69559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





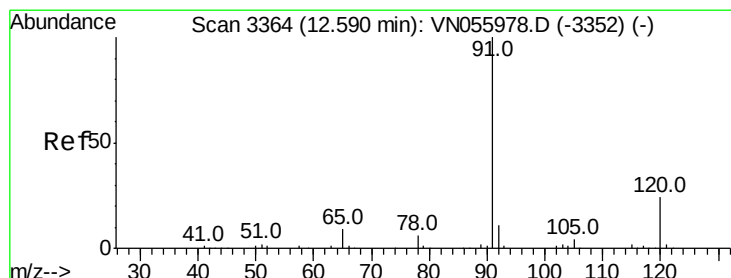
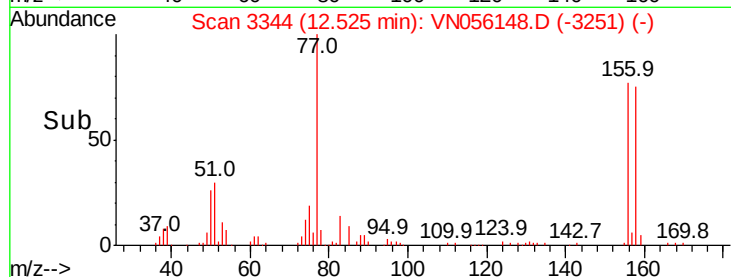
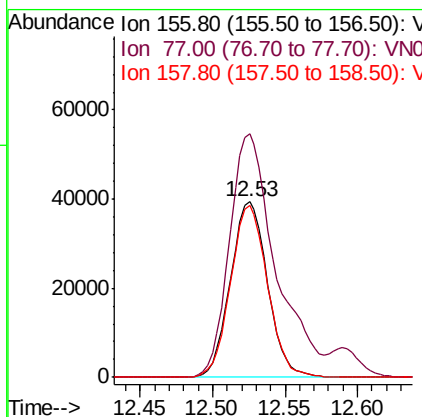
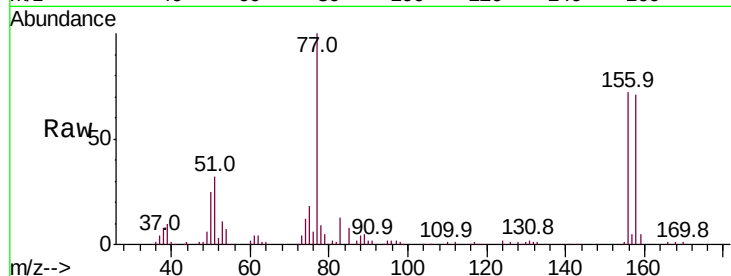
#77
Bromobenzene
Concen: 21.406 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.3	90.8	272.5
158	97.3	49.3	147.8

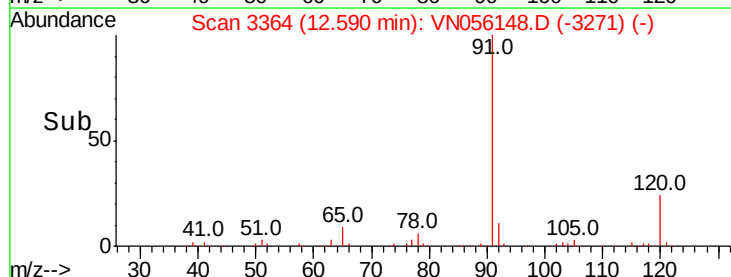
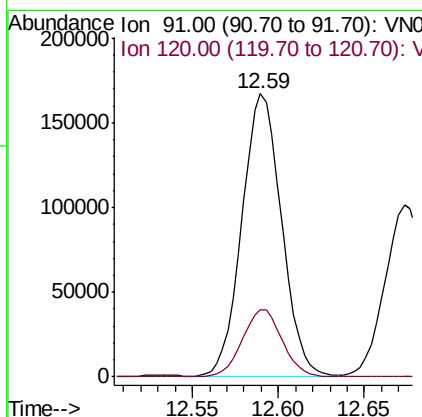
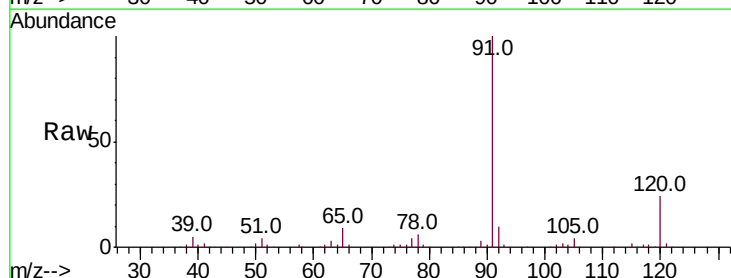
Manual Integrations
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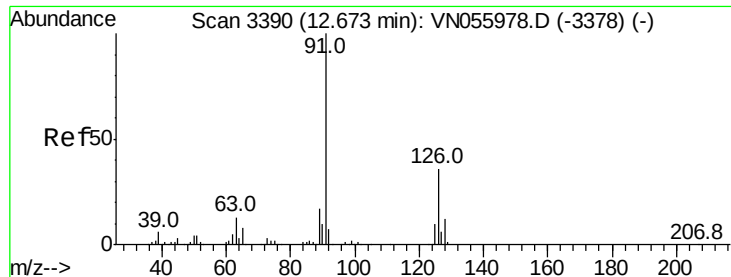
MMDadoda
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#78
n-propylbenzene
Concen: 20.519 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 22.021 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion: 91 Resp: 167863

Ion Ratio Lower Upper

91 100

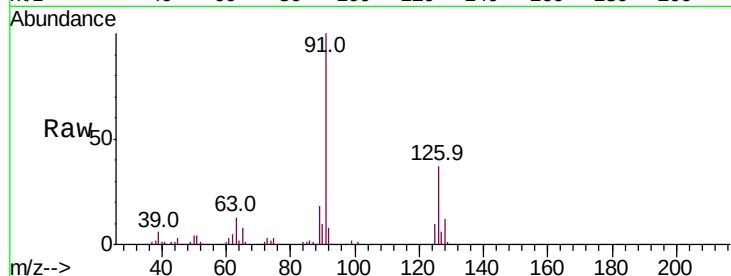
126 36.8 18.1 54.4

Manual Integrations

APPROVED

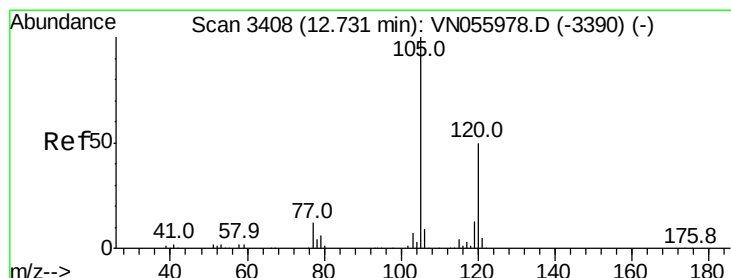
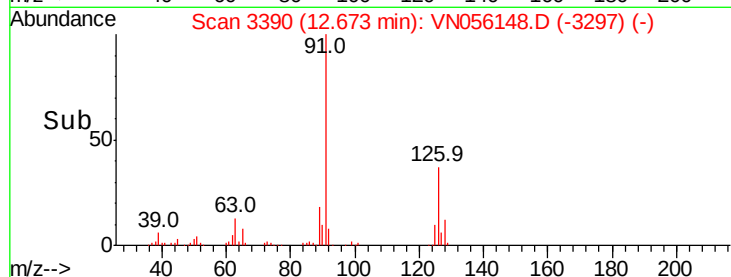
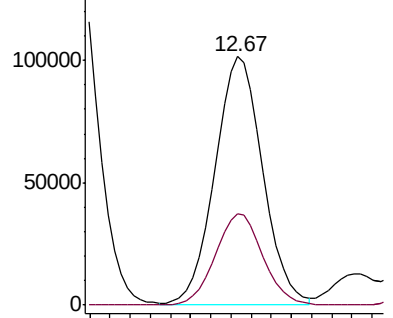
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.500 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056148.D

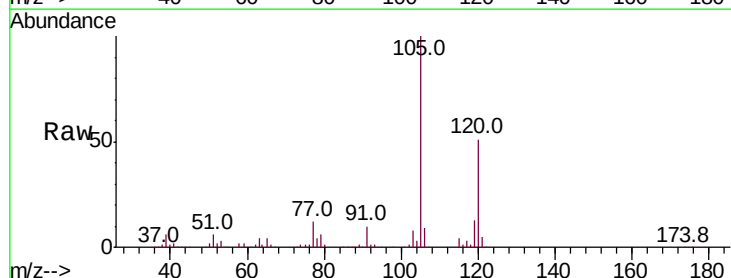
Acq: 8 Jun 2019 12:52

Tgt Ion: 105 Resp: 211429

Ion Ratio Lower Upper

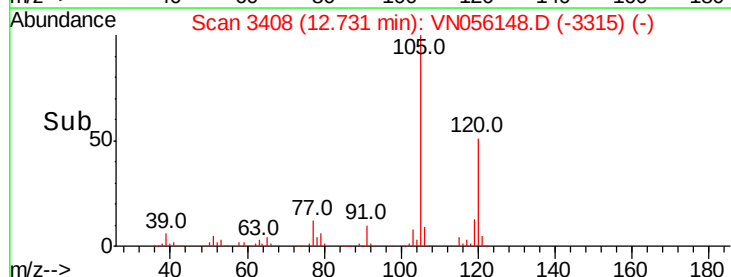
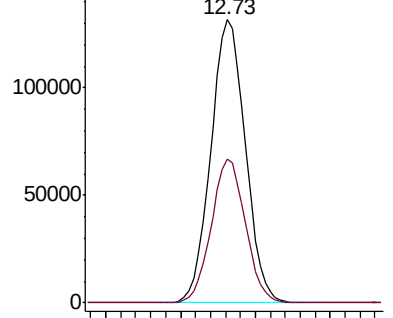
105 100

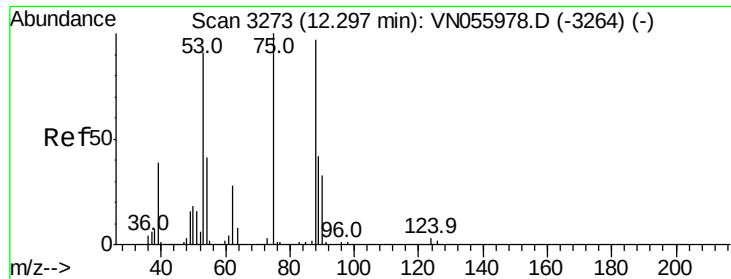
120 50.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





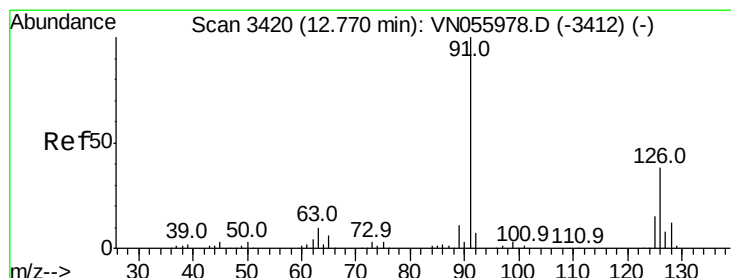
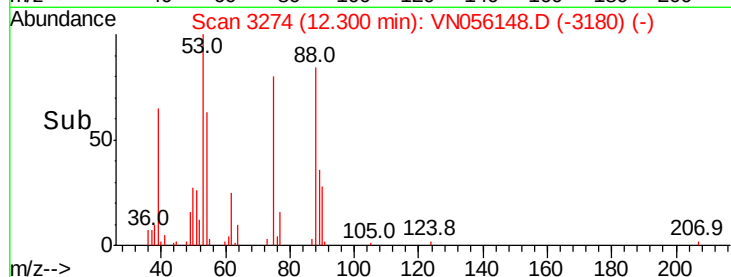
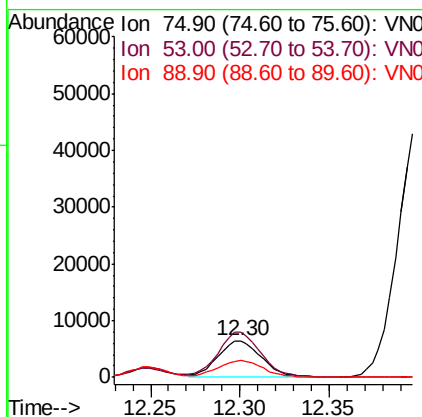
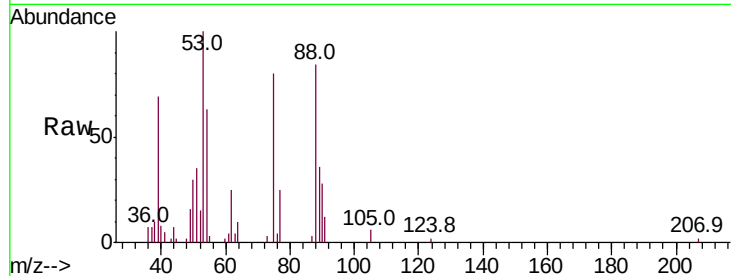
#81
trans-1,4-Dichloro-2-butene
Concen: 13.110 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion: 75 Resp: 11112
Ion Ratio Lower Upper
75 100
53 121.0 68.1 102.1#
89 46.9 36.9 55.3

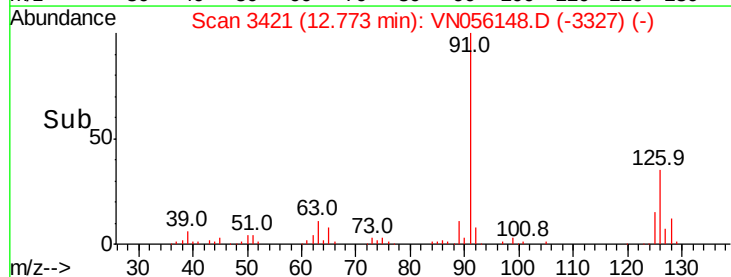
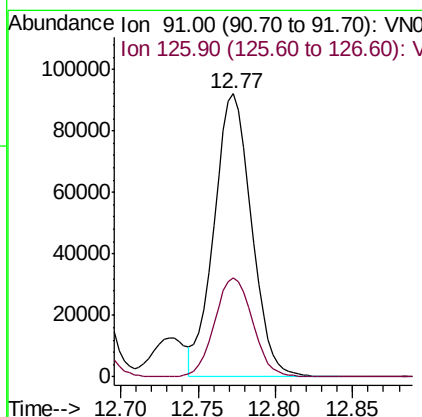
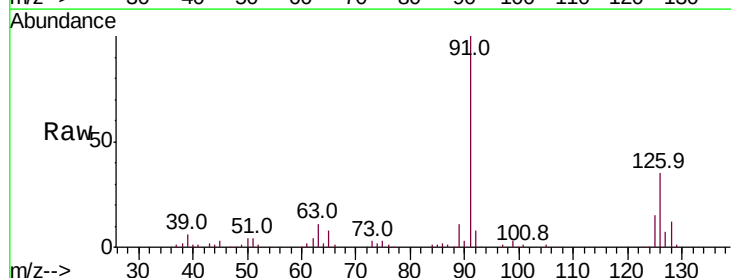
Manual Integrations
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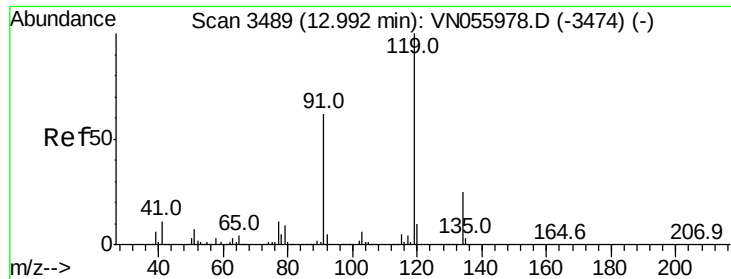
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#82
4-Chlorotoluene
Concen: 20.415 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056148.D
Acq: 8 Jun 2019 12:52

Tgt Ion: 91 Resp: 154997
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3





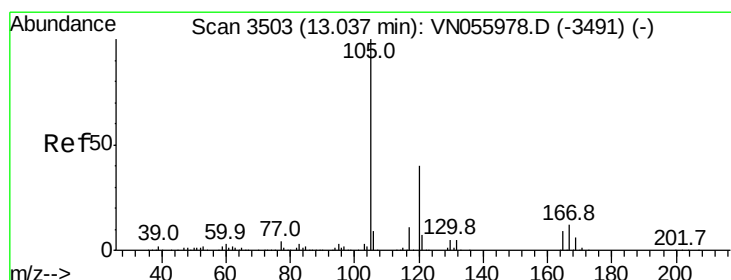
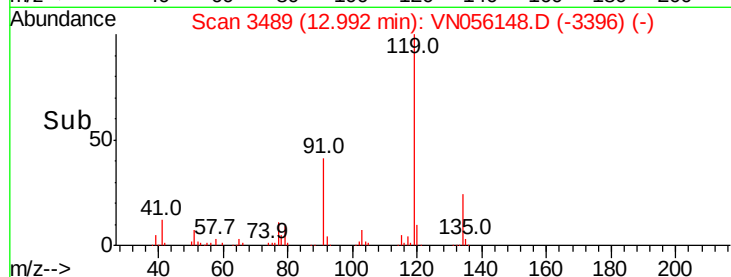
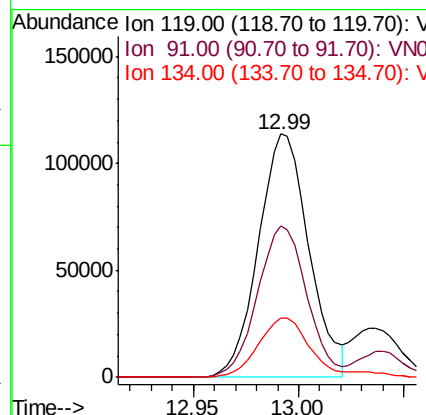
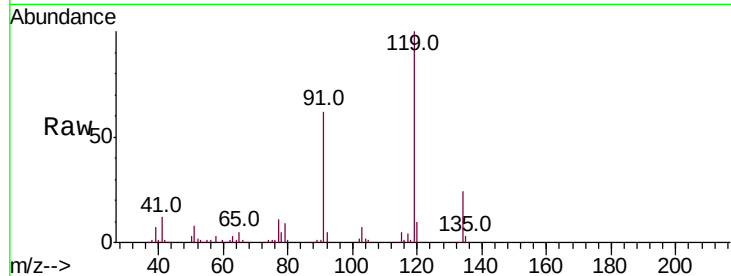
#83
 tert-Butylbenzene
 Concen: 22.199 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.8
134	26.0	13.3	39.8

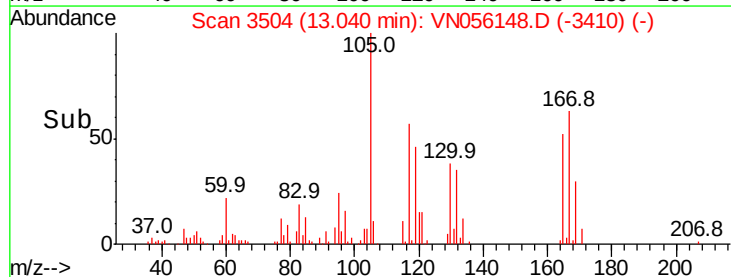
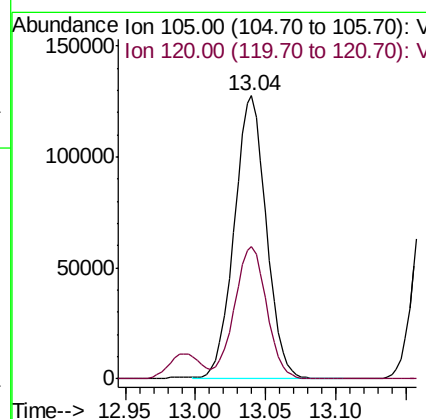
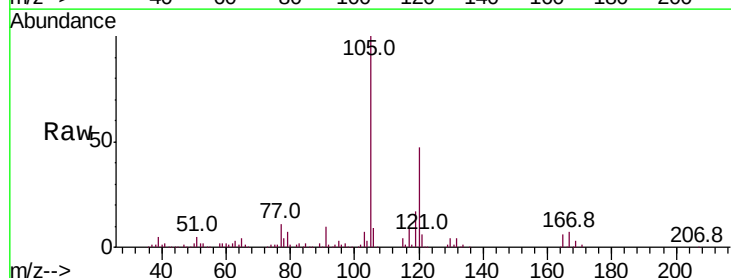
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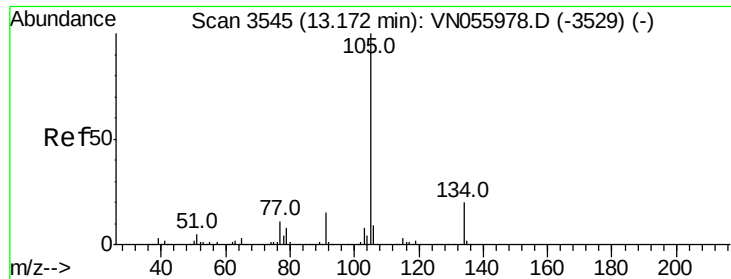
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.716 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.537 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBSD04

Tot Ion:105 Resp: 236027

Ion Ratio Lower Upper

105 100

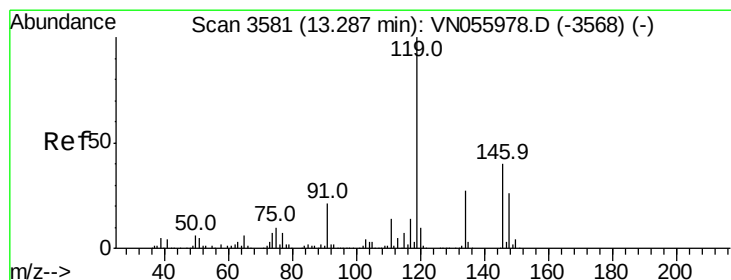
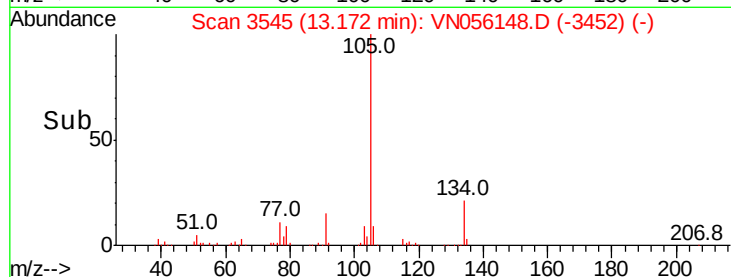
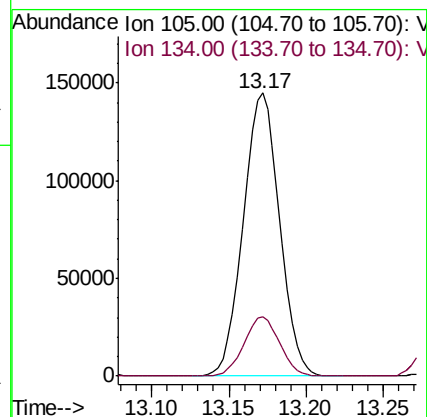
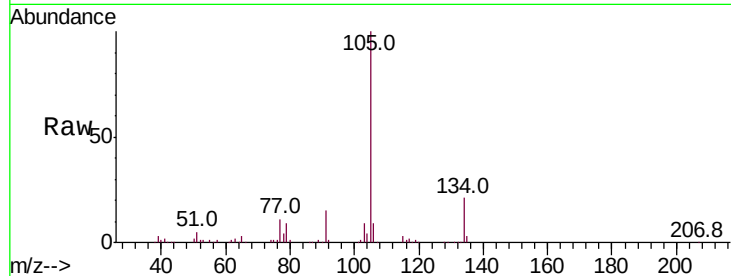
134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.186 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

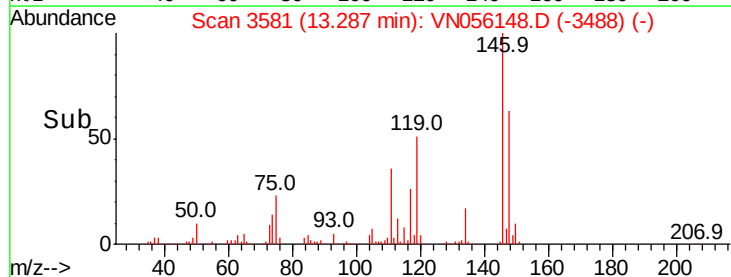
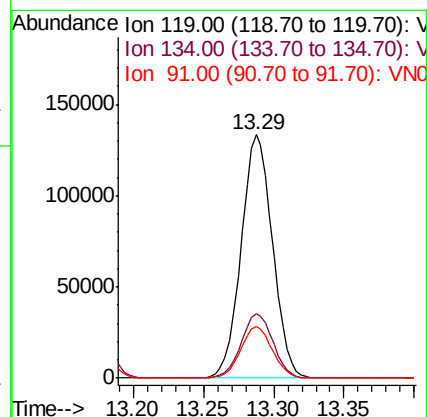
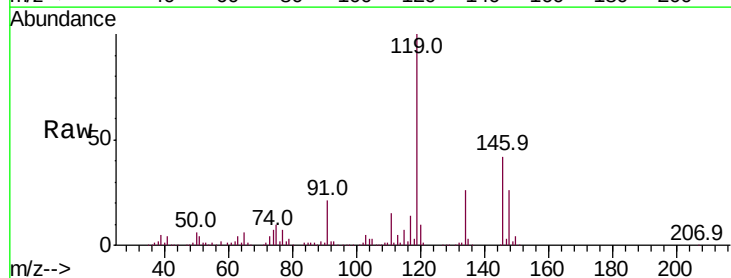
Tgt Ion:119 Resp: 207621

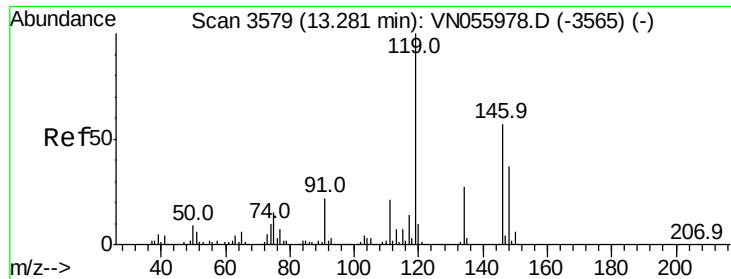
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.501 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056148.D

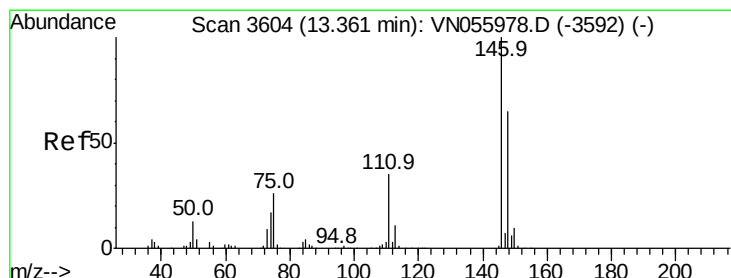
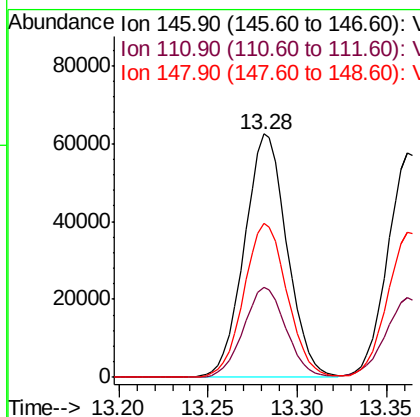
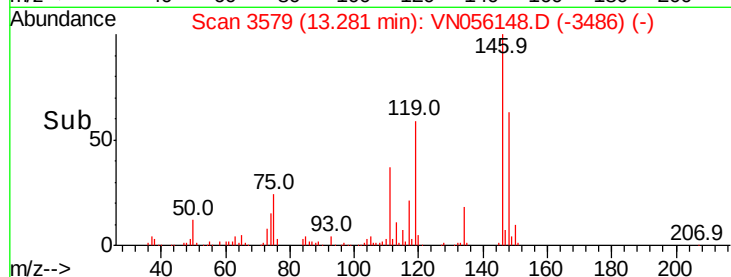
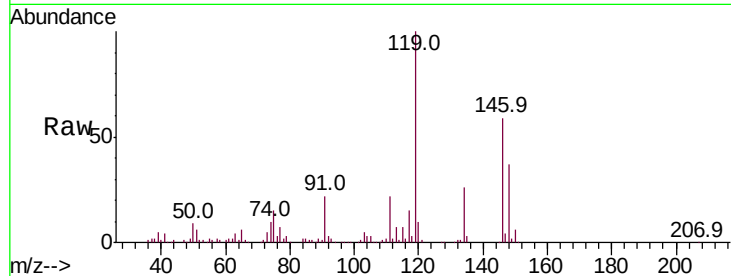
Acq: 8 Jun 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	64.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 19.801 ug/l

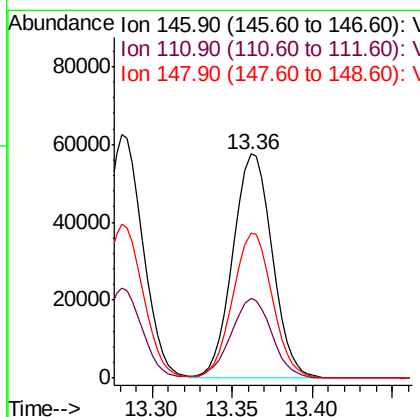
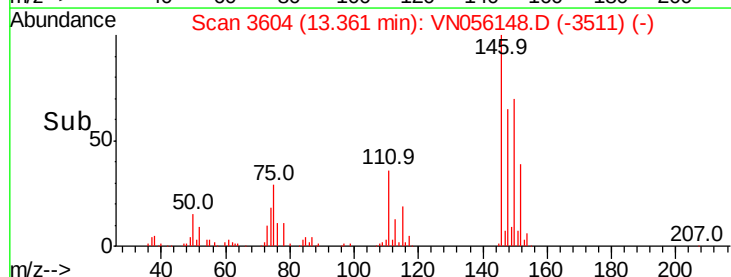
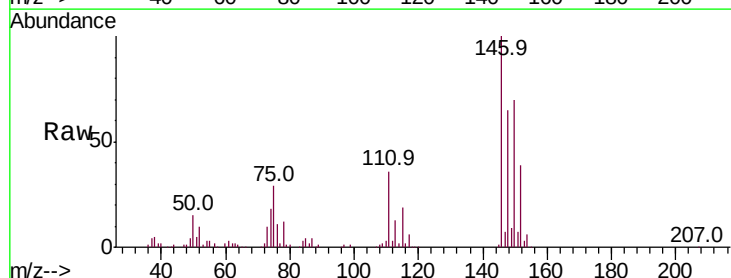
RT: 13.36 min Scan# 3604

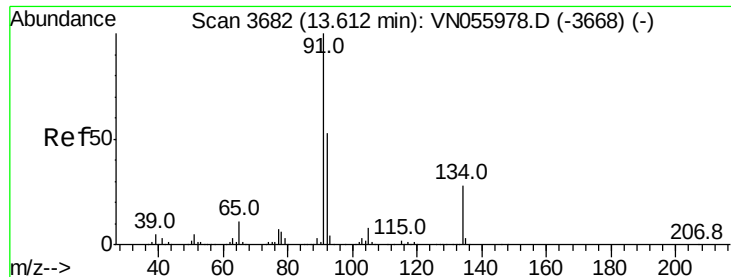
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.9	32.1	96.5





#89

n-Butylbenzene

Concen: 18.232 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

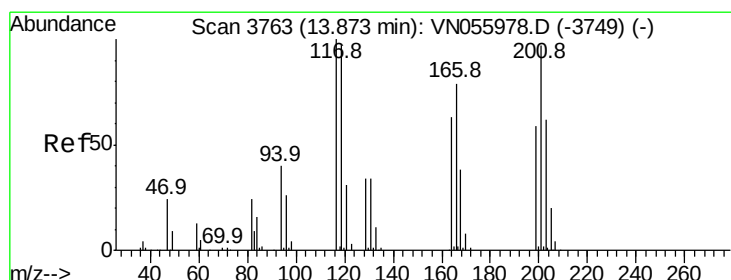
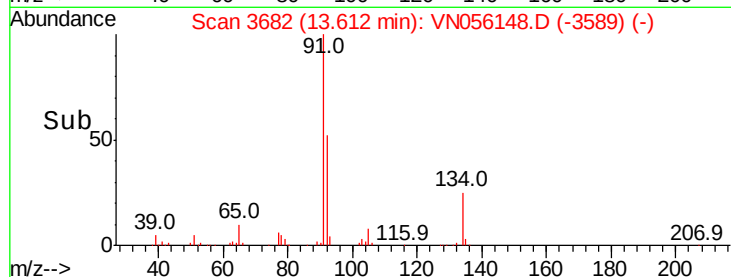
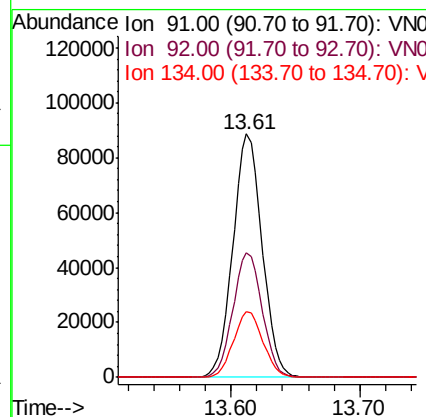
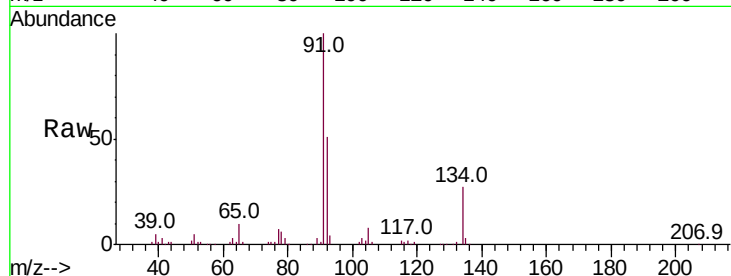
ClientSampleId :

VN0608WBSD04

Tot Ion:	91	Resp:	138918
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.4	79.0
134	27.0	13.9	41.7

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#90

Hexachloroethane

Concen: 19.118 ug/l

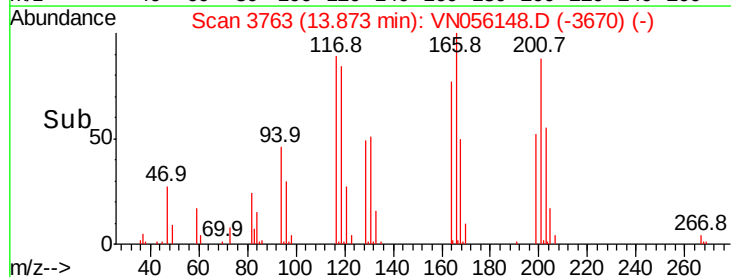
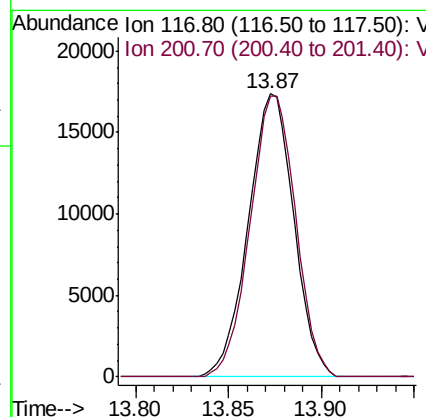
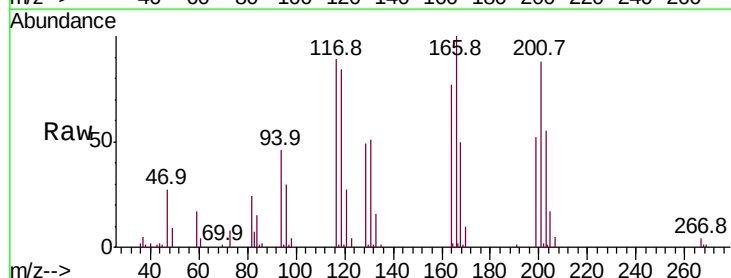
RT: 13.87 min Scan# 3763

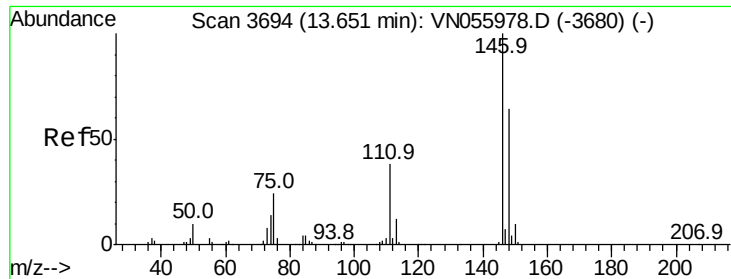
Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	117	Resp:	29654
Ion	Ratio	Lower	Upper
117	100		
201	99.2	50.0	150.0





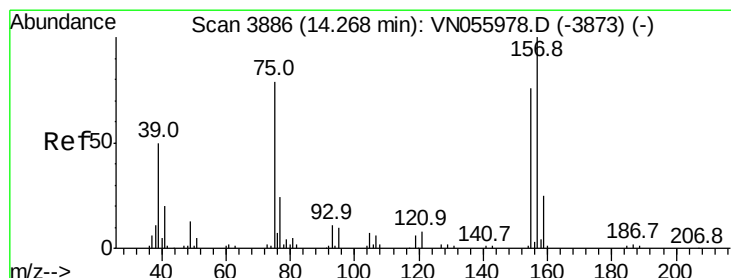
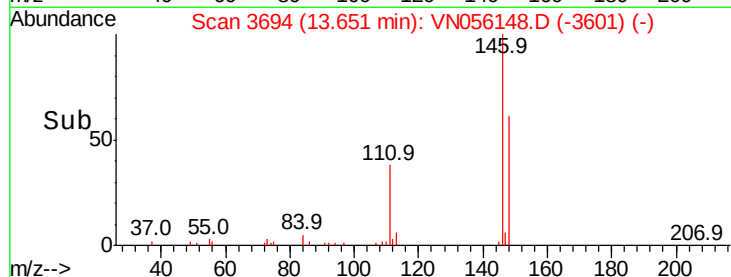
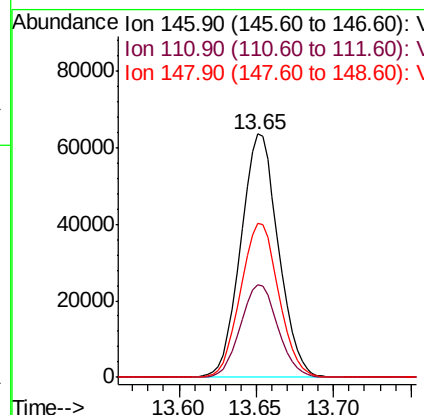
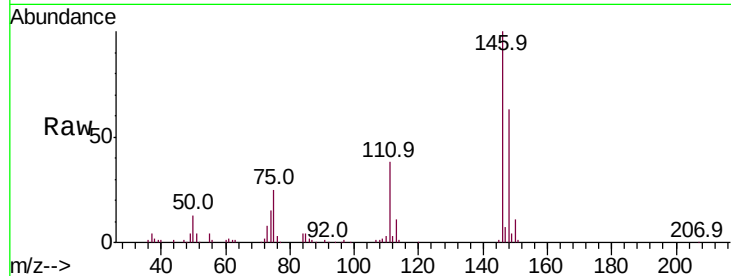
#91
 1,2-Dichlorobenzene
 Concen: 20.905 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	64.1	31.9	95.9

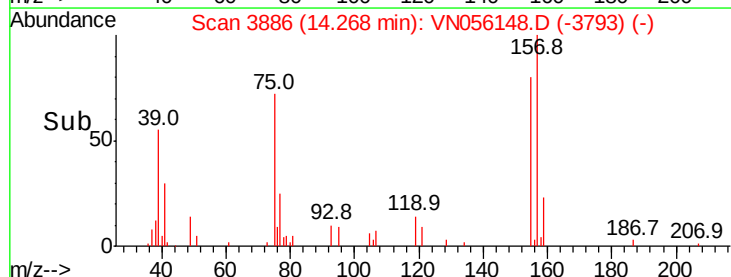
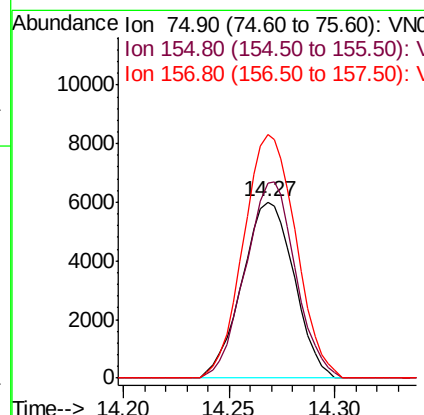
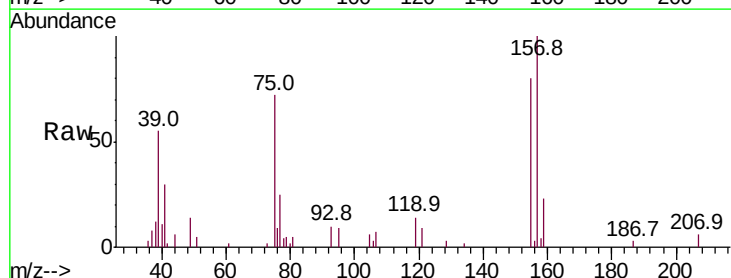
Manual Integrations
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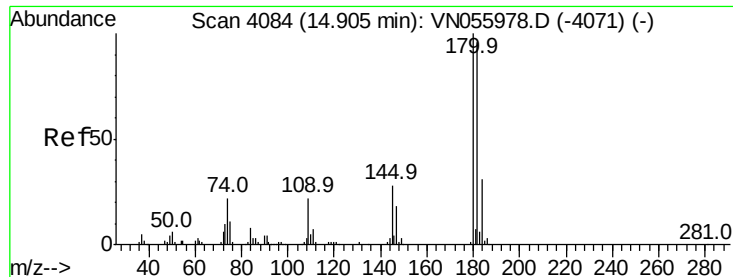
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.173 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	50.0	150.1
157	139.7	64.8	194.3





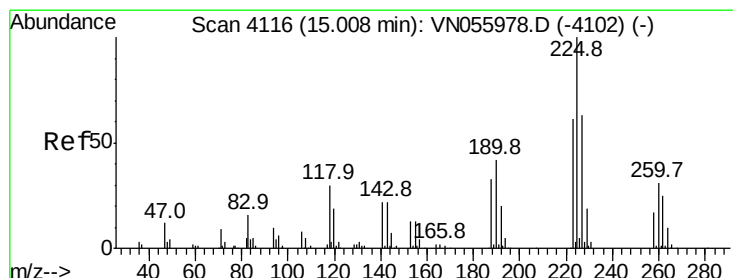
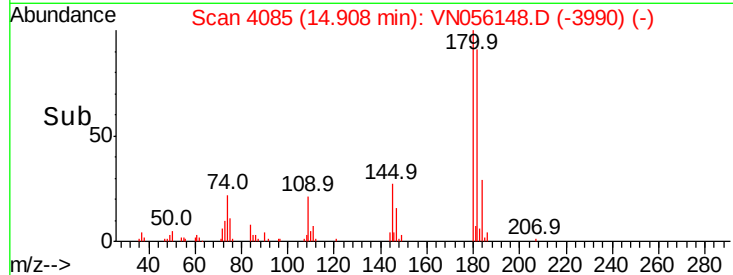
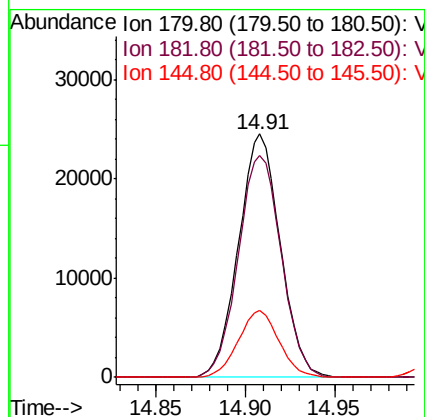
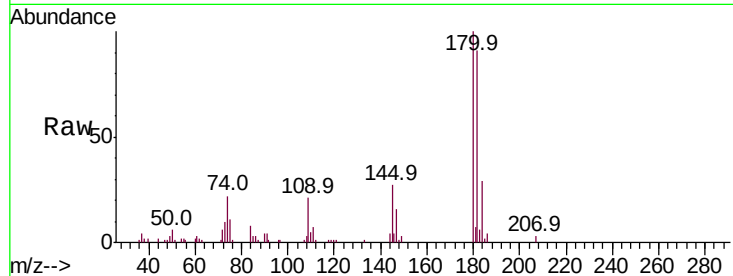
#93
 1,2,4-Trichlorobenzene
 Concen: 17.209 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD04

Tot Ion:	180	Resp:	40007
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.3	144.9
145	26.9	14.0	41.9

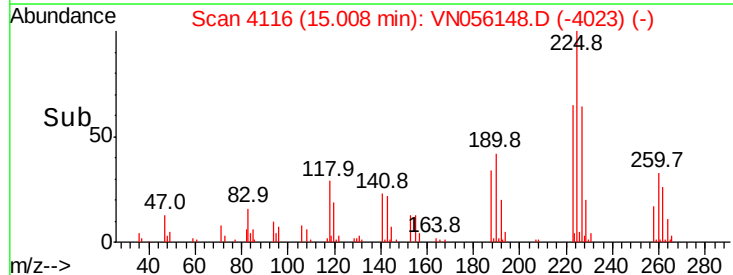
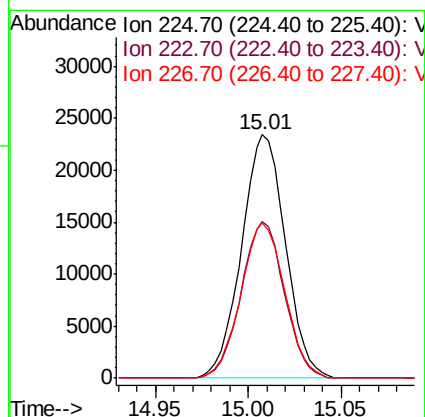
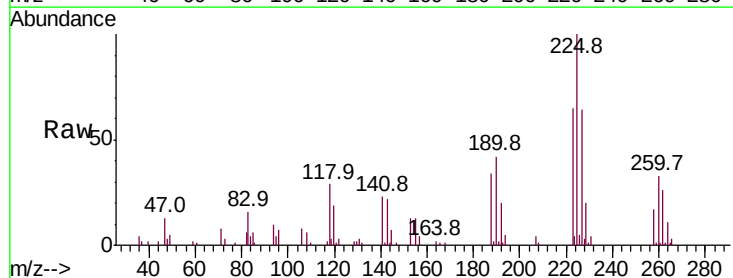
Manual Integrations
 APPROVED

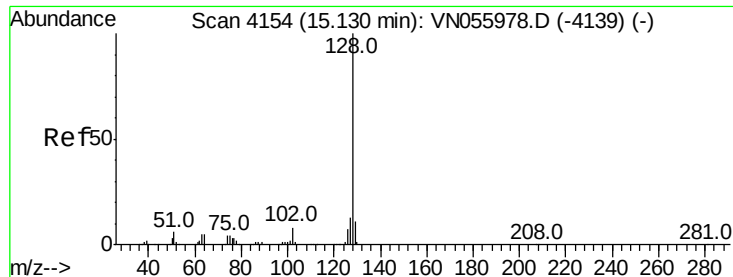
MMDadoda
 6/10/2019 11:25:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.595 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056148.D
 Acq: 8 Jun 2019 12:52

Tgt Ion:	225	Resp:	38407
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.9	92.7
227	63.8	31.6	94.7





#95

Naphthalene

Concen: 17.800 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Instrument :

MSVOA_N

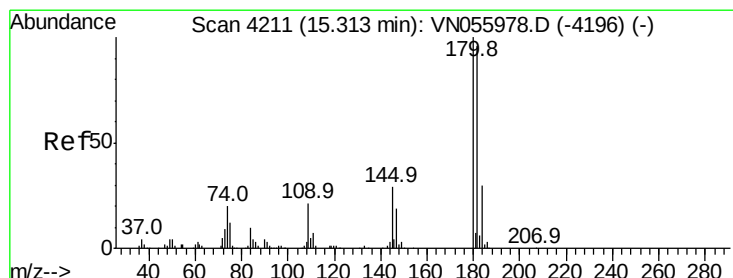
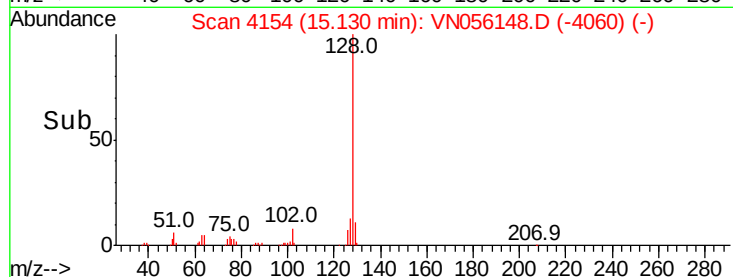
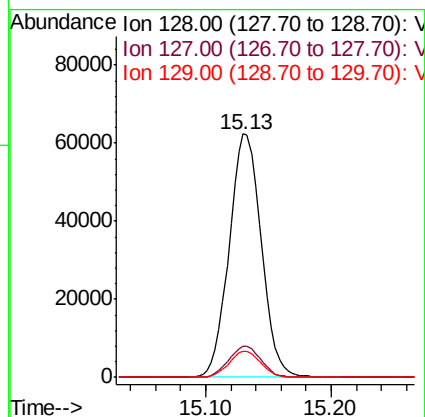
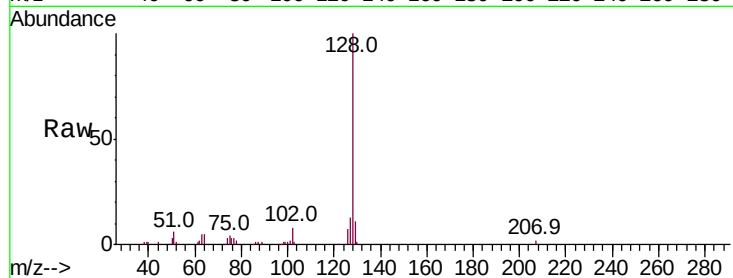
ClientSampleId :

VN0608WBSD04

Tot Ion:	128	Resp:	110881
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 11:25:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.407 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056148.D

Acq: 8 Jun 2019 12:52

Tgt Ion:	180	Resp:	47175
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	29.2	14.9	44.7

