

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054738.D
 Acq On : 28 Mar 2019 12:28
 Operator : JC/SP
 Sample : VN0328WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:33 AM

Quant Time: Mar 29 09:02:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	404756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	672764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252855	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	261582	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	7.59	113	211556	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.09	98	758831	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.40	95	256773	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	90329	23.345	ug/l	99
3) Chloromethane	2.06	50	127485	24.216	ug/l	98
4) Vinyl Chloride	2.19	62	111258	21.049	ug/l	98
5) Bromomethane	2.58	94	65119	19.053	ug/l	98
6) Chloroethane	2.71	64	61545	19.413	ug/l	97
7) Trichlorofluoromethane	3.03	101	138625	21.596	ug/l	97
8) Diethyl Ether	3.41	74	46190	18.710	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72329	19.173	ug/l	93
10) Methyl Iodide	3.95	142	101810	18.347	ug/l #	88
11) Tert butyl alcohol	4.82	59	32198	105.636	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	70830	18.143	ug/l #	77
13) Acrolein	3.61	56	27462	65.288	ug/l	98
14) Allyl chloride	4.32	41	165883	22.564	ug/l #	92
15) Acrylonitrile	5.00	53	177672	117.053	ug/l	100
16) Acetone	3.82	43	143326	94.690	ug/l #	85
17) Carbon Disulfide	4.04	76	216464	20.694	ug/l	99
18) Methyl Acetate	4.33	43	78445	23.252	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	248933	21.848	ug/l	95
20) Methylene Chloride	4.55	84	103363	23.166	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	91022	22.833	ug/l	89
22) Diisopropyl ether	5.96	45	346029	23.863	ug/l #	92
23) Vinyl Acetate	5.90	43	1218772	119.004	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	183160	23.459	ug/l	97
25) 2-Butanone	6.85	43	221955	114.471	ug/l #	86
26) 2,2-Dichloropropane	6.83	77	125558	22.559	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	105281	22.141	ug/l	87
28) Bromochloromethane	7.19	49	85111	22.146	ug/l #	73
29) Tetrahydrofuran	7.22	42	147992	117.617	ug/l #	83
30) Chloroform	7.37	83	174799	22.941	ug/l	98
31) Cyclohexane	7.65	56	179716	23.020	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	147933	23.533	ug/l	96
36) 1,1-Dichloropropene	7.79	75	131144	20.848	ug/l	95
37) Ethyl Acetate	6.94	43	97942	21.892	ug/l	95
38) Carbon Tetrachloride	7.77	117	125525	20.535	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	147032	20.434	ug/l #	87
40) Benzene	8.04	78	392313	21.810	ug/l	99
41) Methacrylonitrile	7.18	41	49631m	18.190	ug/l	
42) 1,2-Dichloroethane	8.13	62	142931	21.819	ug/l	98
43) Isopropyl Acetate	8.17	43	167166	22.124	ug/l #	92
44) Trichloroethene	8.84	130	102940	20.584	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110865	22.953	ug/l	99
46) Dibromomethane	9.21	93	63605	22.074	ug/l	88
47) Bromodichloromethane	9.40	83	131146	21.930	ug/l	95
48) Methyl methacrylate	9.20	41	84876	20.696	ug/l	88
49) 1,4-Dioxane	9.21	88	18994	414.289	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	467389	111.616	ug/l	93
52) Toluene	10.16	92	236216	21.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	117461	20.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	148452	21.650	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	86377	21.720	ug/l	97
56) Ethyl methacrylate	10.43	69	109804	20.571	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	154001	22.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	197561	89.884	ug/l	89
59) 2-Hexanone	10.75	43	291127	106.436	ug/l	91
60) Dibromochloromethane	10.90	129	87420	20.658	ug/l	100
61) 1,2-Dibromoethane	11.01	107	82151	20.895	ug/l	99
64) Tetrachloroethene	10.63	164	98044	20.310	ug/l	97
65) Chlorobenzene	11.43	112	242718	20.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	90428	21.284	ug/l	98
67) Ethyl Benzene	11.51	91	440781	21.081	ug/l	98
68) m/p-Xylenes	11.62	106	327768	41.386	ug/l	95
69) o-Xylene	11.95	106	158434	20.484	ug/l	93
70) Styrene	11.96	104	262071	20.865	ug/l	96
71) Bromoform	12.13	173	52045	19.199	ug/l #	99
73) Isopropylbenzene	12.25	105	421192	20.671	ug/l	98
74) N-amyl acetate	12.07	43	130858	22.336	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	104015	22.363	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98132m	24.457	ug/l	
77) Bromobenzene	12.53	156	101354	20.057	ug/l	83
78) n-propylbenzene	12.59	91	472213	21.372	ug/l	96
79) 2-Chlorotoluene	12.67	91	284999	20.685	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	353485	21.167	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20896	19.986	ug/l #	81
82) 4-Chlorotoluene	12.77	91	284529	21.305	ug/l	95
83) tert-Butylbenzene	12.99	119	300998	20.707	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	344686	21.036	ug/l	97
85) sec-Butylbenzene	13.17	105	383647	21.172	ug/l	96
86) p-Isopropyltoluene	13.29	119	336825	20.777	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	171325	20.458	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162318	19.921	ug/l	96
89) n-Butylbenzene	13.61	91	264850	20.893	ug/l	96
90) Hexachloroethane	13.87	117	53339	21.196	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	170356	21.002	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15256	22.362	ug/l	83

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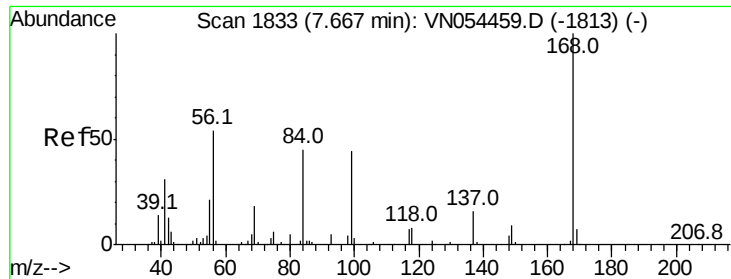
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74815	18.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	52245	21.588	ug/l	98
95) Naphthalene	15.13	128	169002	18.738	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	76389	18.981	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion:168 Resp: 404756

Ion Ratio Lower Upper

168 100

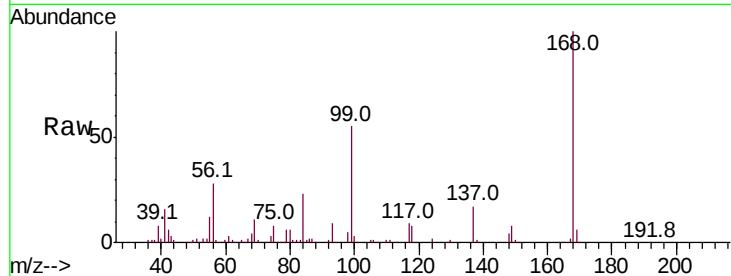
99 53.7 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

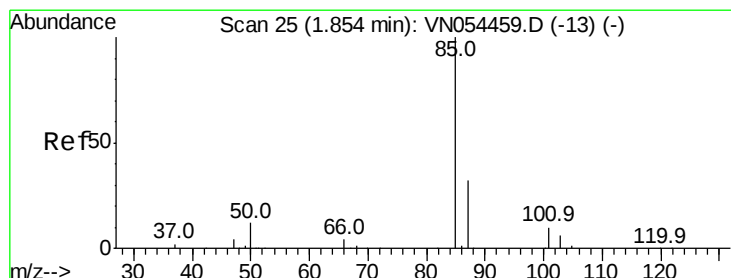
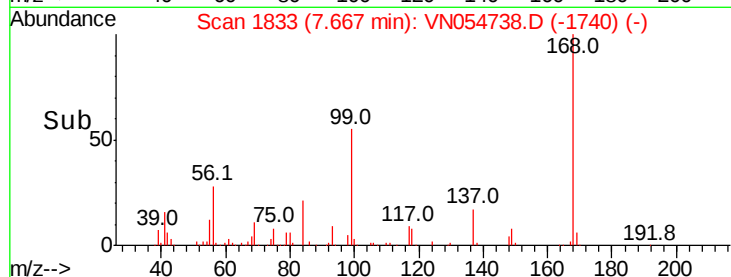
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 23.345 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054738.D

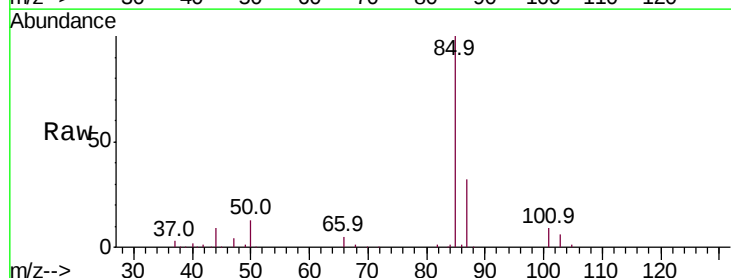
Acq: 28 Mar 2019 12:28

Tgt Ion: 85 Resp: 90329

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

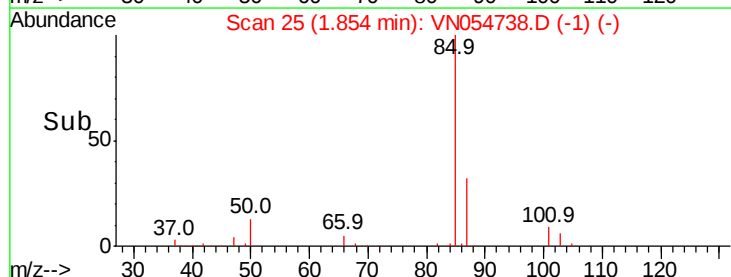
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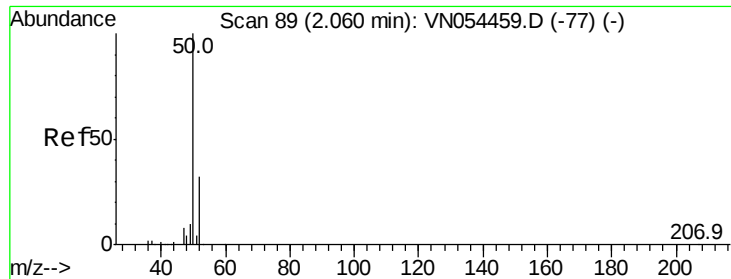
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 24.216 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 50 Resp: 127485

Ion Ratio Lower Upper

50 100

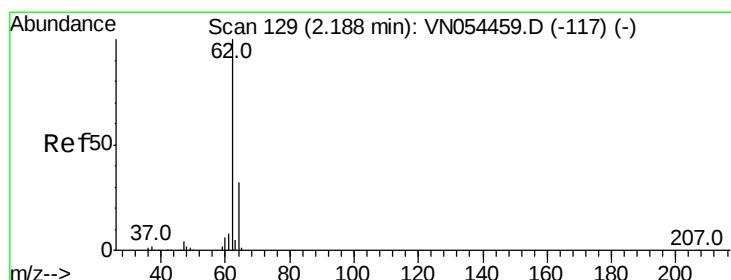
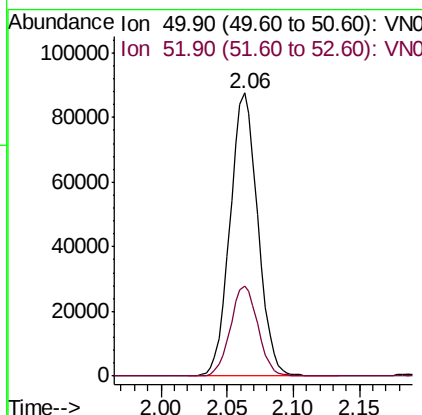
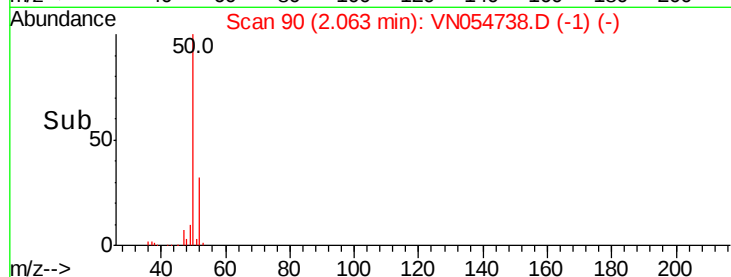
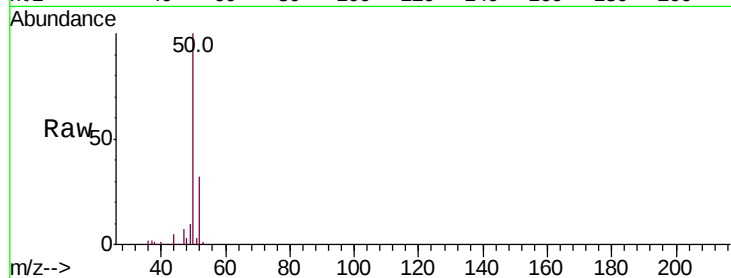
52 31.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.049 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054738.D

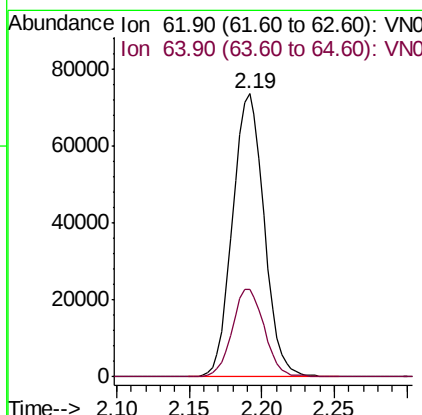
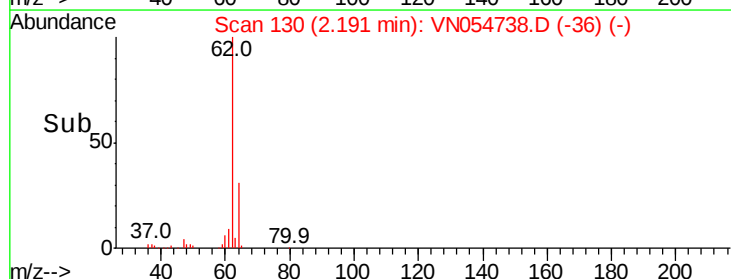
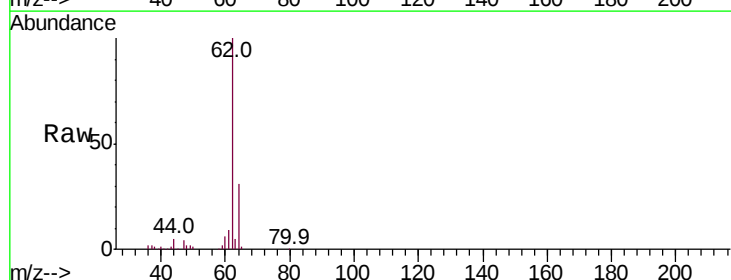
Acq: 28 Mar 2019 12:28

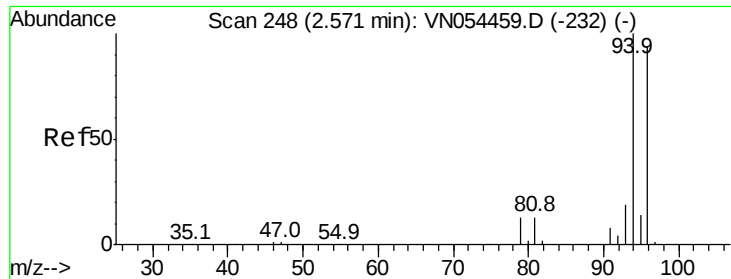
Tgt Ion: 62 Resp: 111258

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 19.053 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

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VN0328WBSD01

Tot Ion: 94 Resp: 65119

Ion Ratio Lower Upper

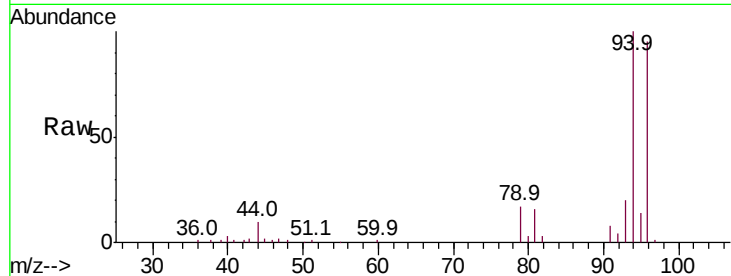
94 100

96 94.7 77.0 115.4

Manual Integrations
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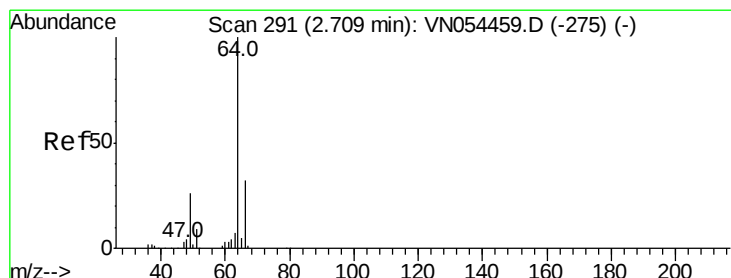
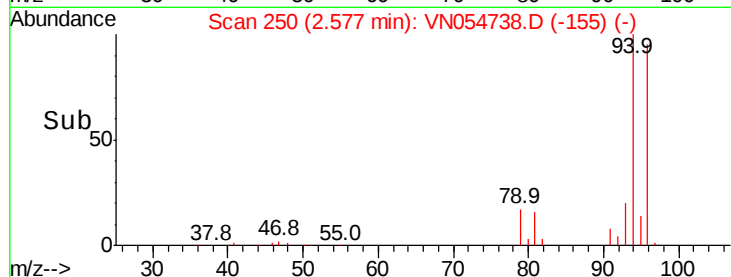
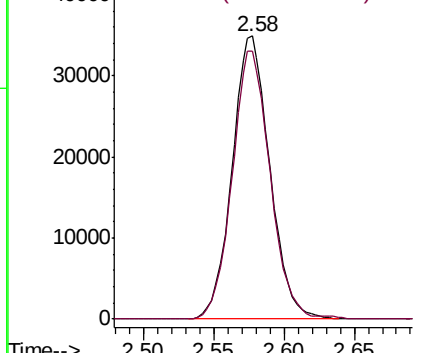
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.413 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054738.D

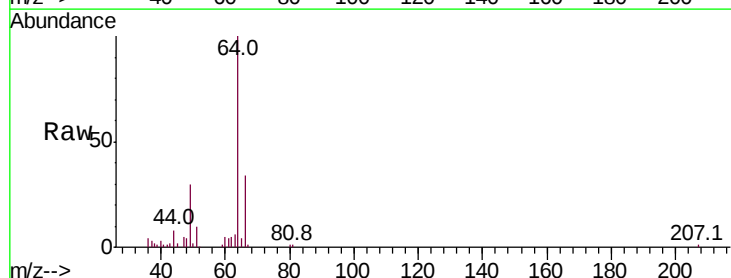
Acq: 28 Mar 2019 12:28

Tgt Ion: 64 Resp: 61545

Ion Ratio Lower Upper

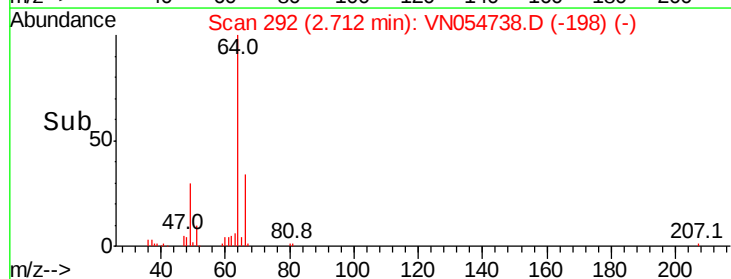
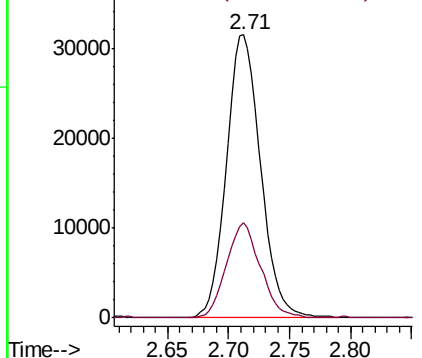
64 100

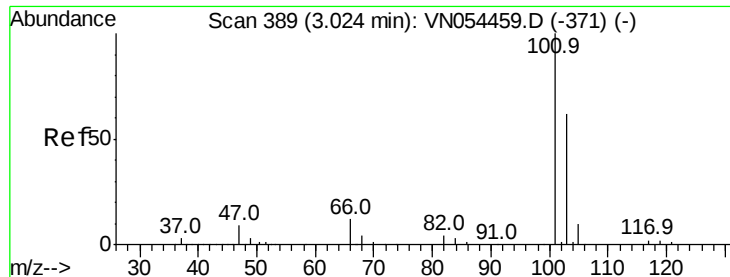
66 33.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

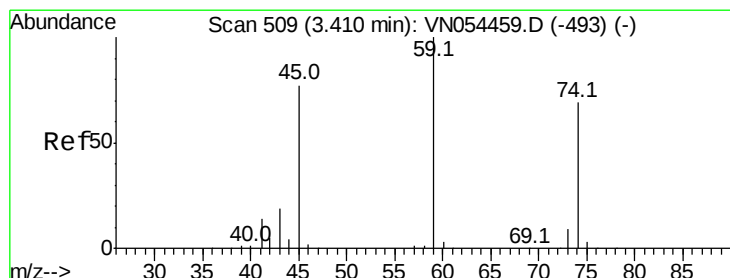
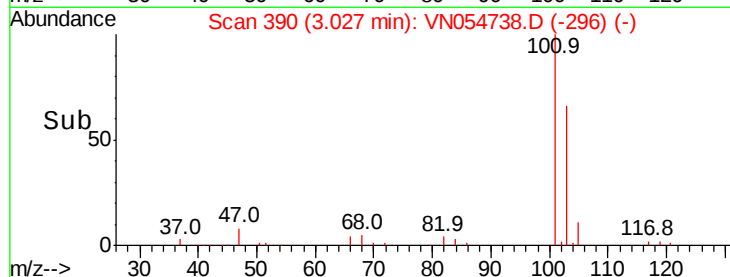
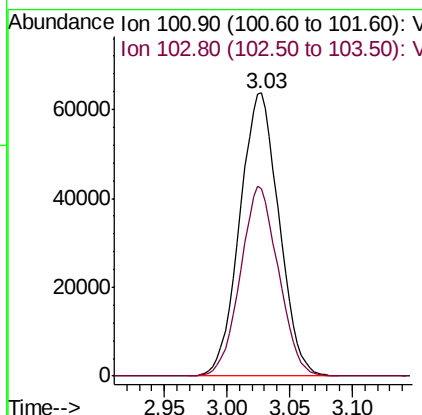
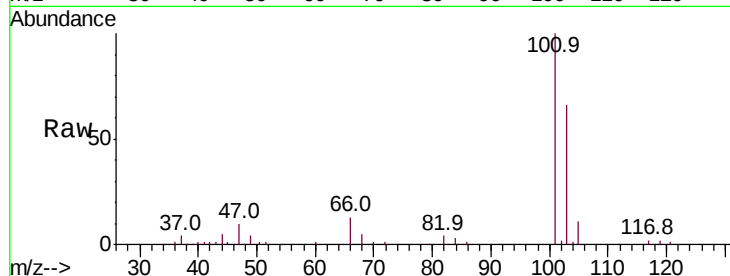
Trichlorofluoromethane
Concen: 21.596 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.2

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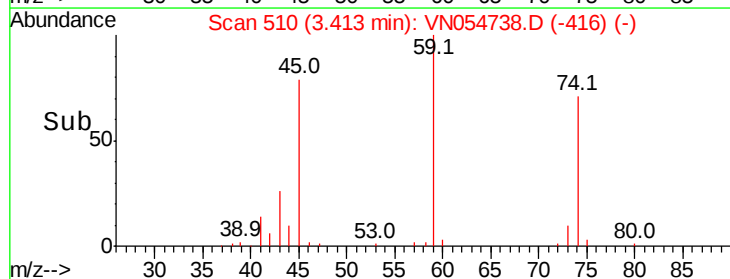
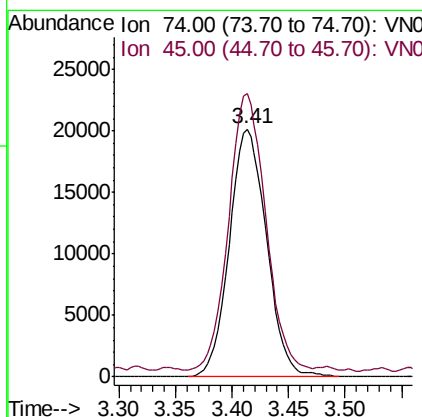
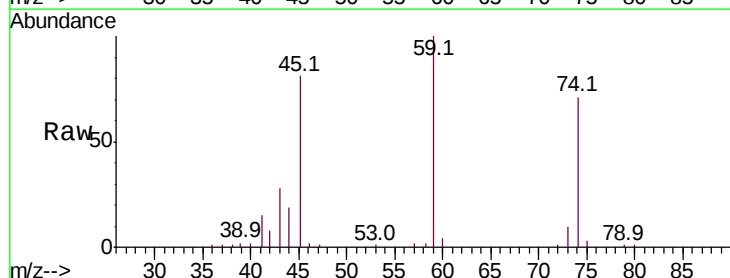
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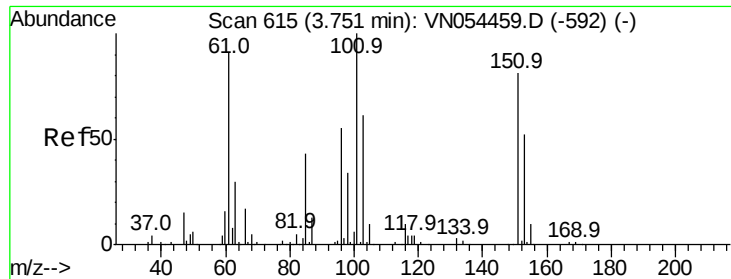


#8

Diethyl Ether
Concen: 18.710 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.173 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

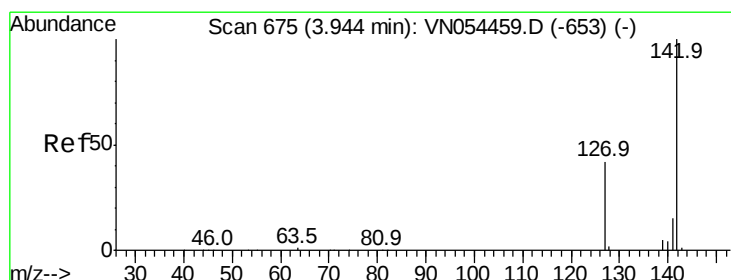
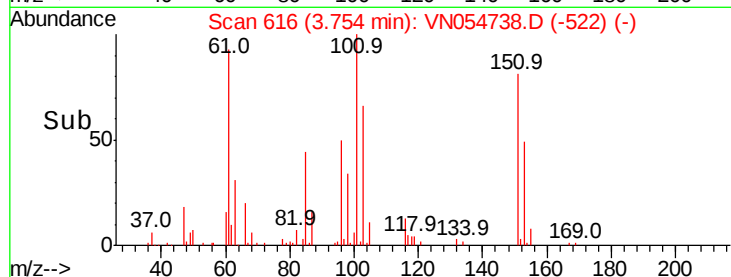
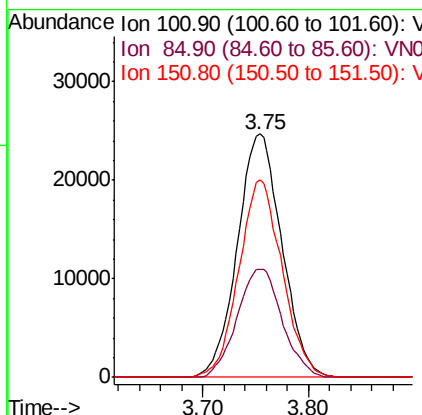
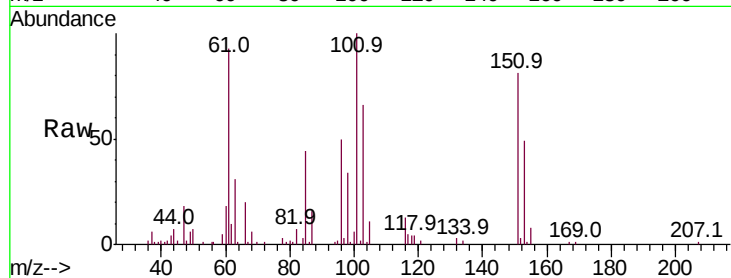
ClientSampleId :

VN0328WBSD01

Tot Ion:	101	Resp:	72329
Ion Ratio	Lower	Upper	
101	100		
85	44.9	32.4	48.6
151	79.0	68.2	102.2

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#10

Methyl Iodide

Concen: 18.347 ug/l

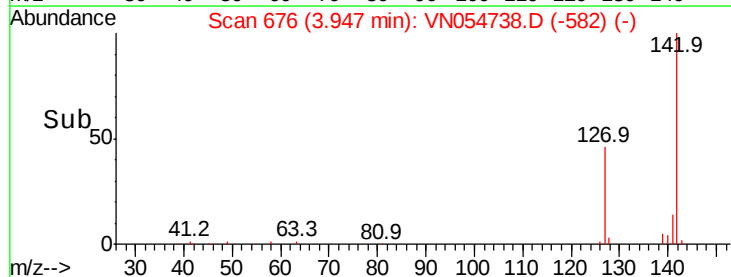
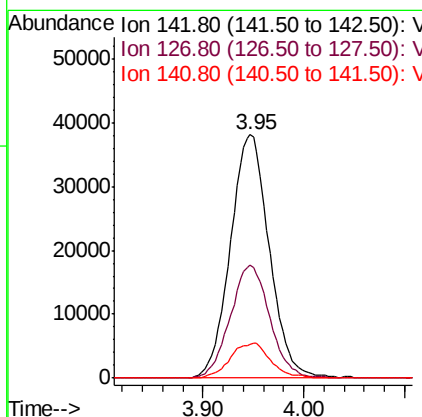
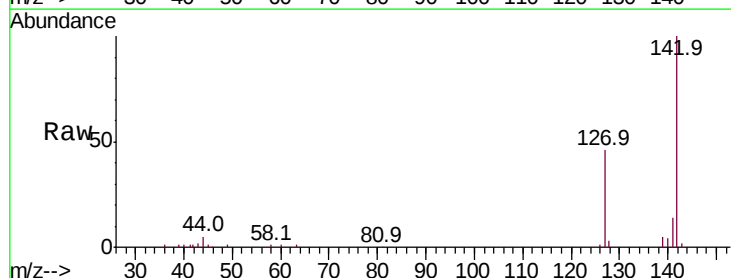
RT: 3.95 min Scan# 676

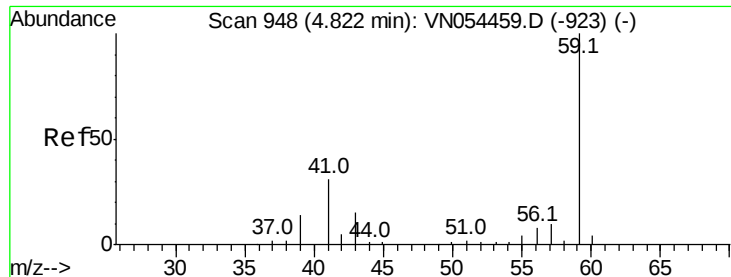
Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	142	Resp:	101810
Ion Ratio	Lower	Upper	
142	100		
127	47.2	30.3	45.5#
141	14.8	11.2	16.8





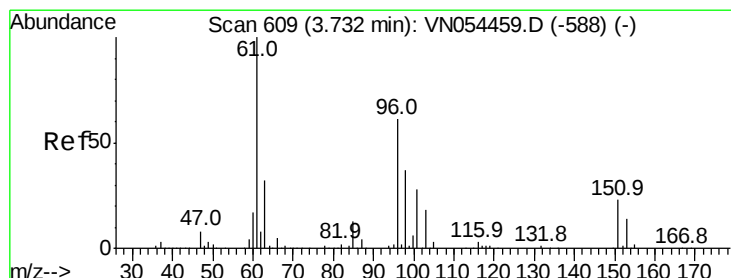
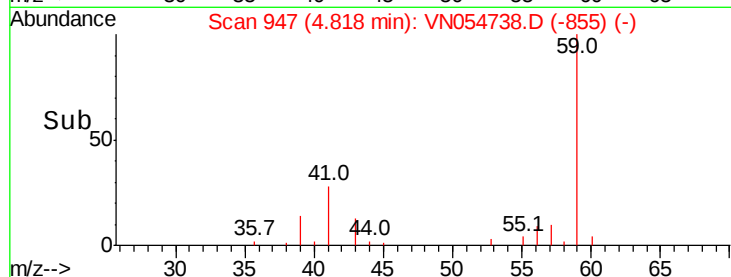
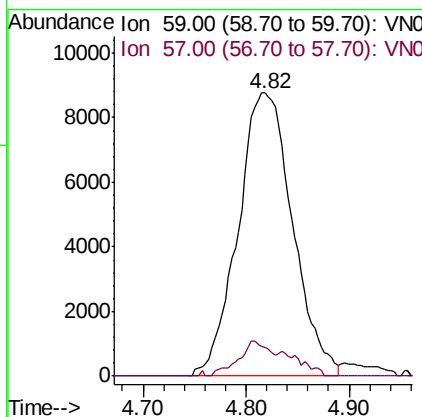
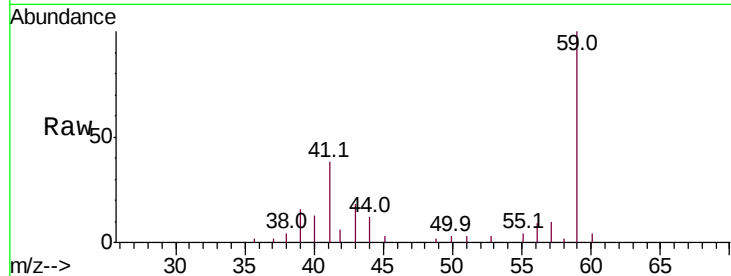
#11
Tert butyl alcohol
Concen: 105.636 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	9.0	13.6#

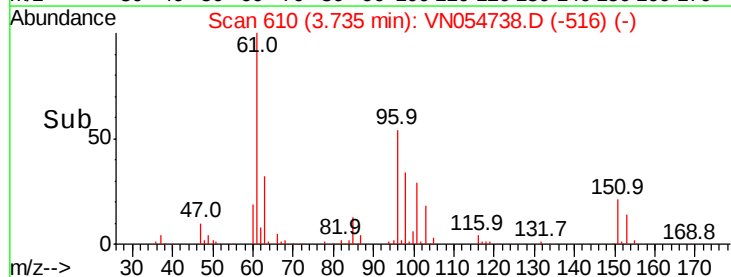
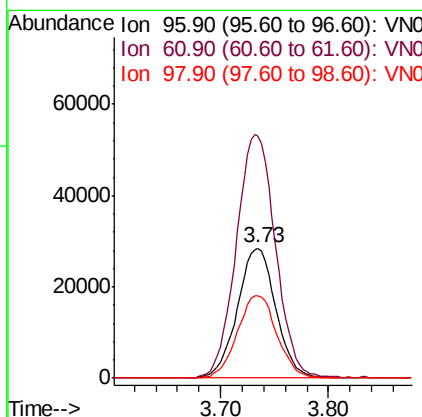
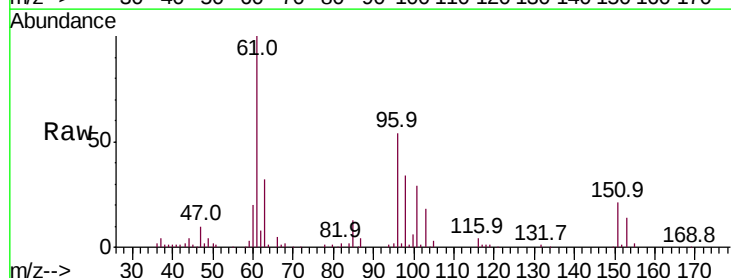
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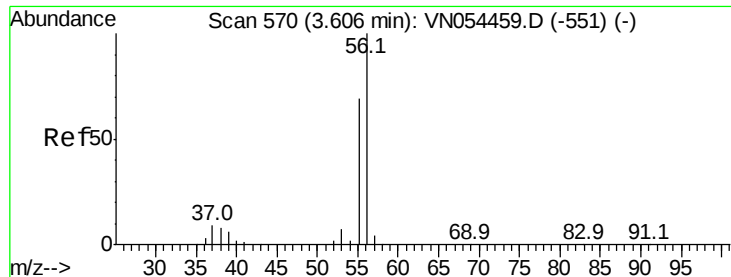
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#12
1,1-Dichloroethene
Concen: 18.143 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.6	116.5	174.7#
98	63.7	51.0	76.4





#13

Acrolein

Concen: 65.288 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 56 Resp: 27462

Ion Ratio Lower Upper

56 100

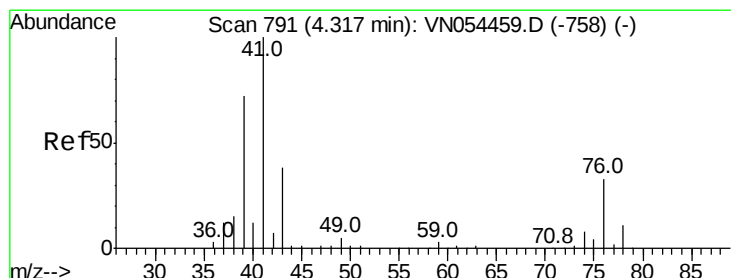
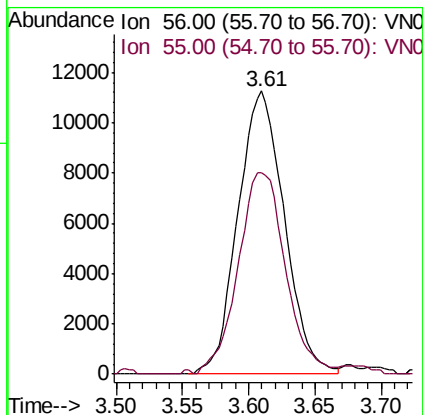
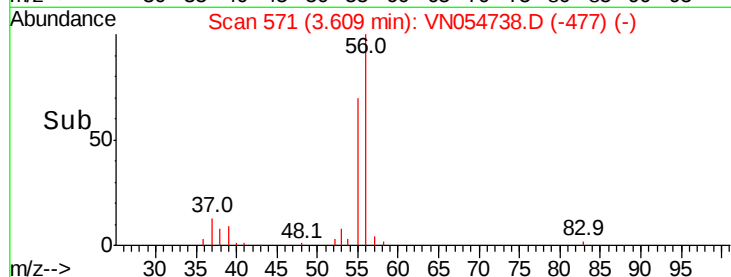
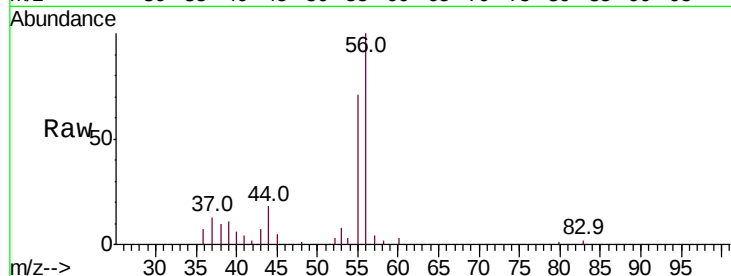
55 72.7 56.7 85.1

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#14

Allyl chloride

Concen: 22.564 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

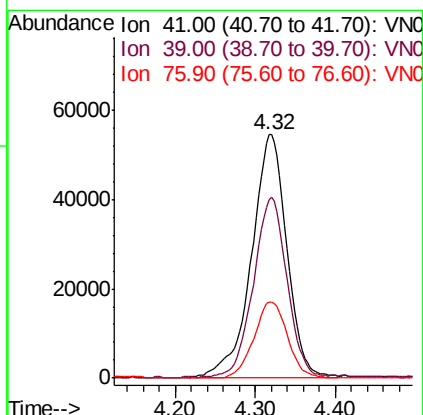
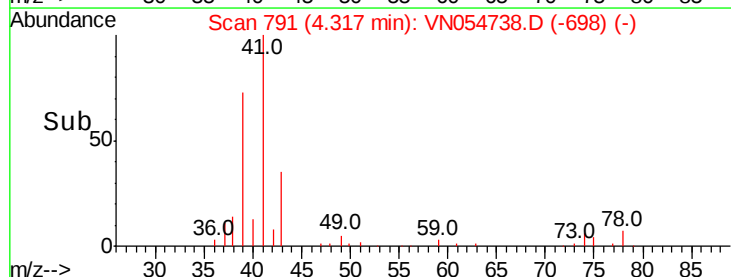
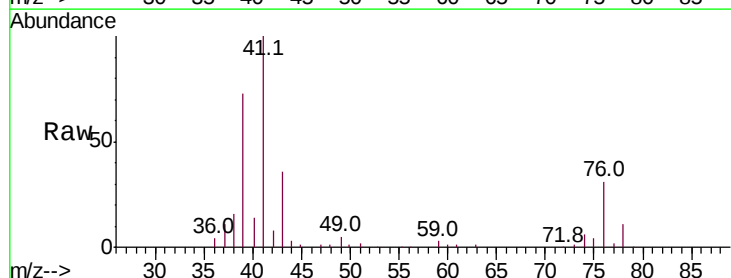
Tgt Ion: 41 Resp: 165883

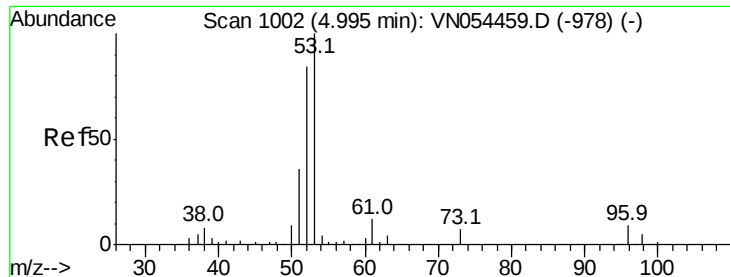
Ion Ratio Lower Upper

41 100

39 69.5 58.2 87.4

76 29.7 31.7 47.5#





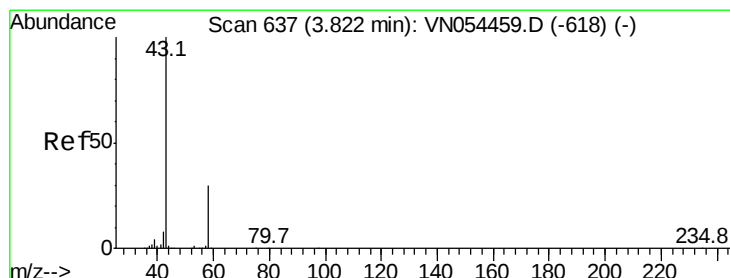
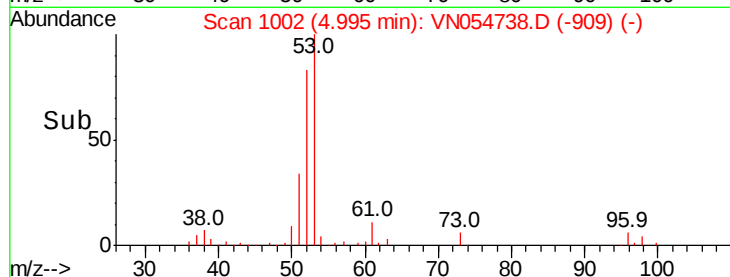
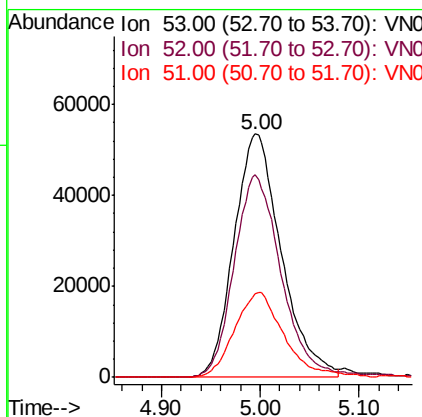
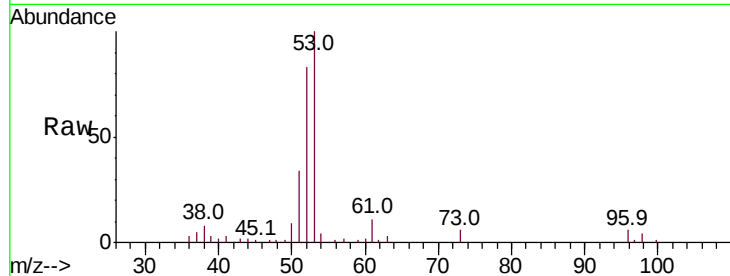
#15
 Acrylonitrile
 Concen: 117.053 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	36.7	29.6	44.4

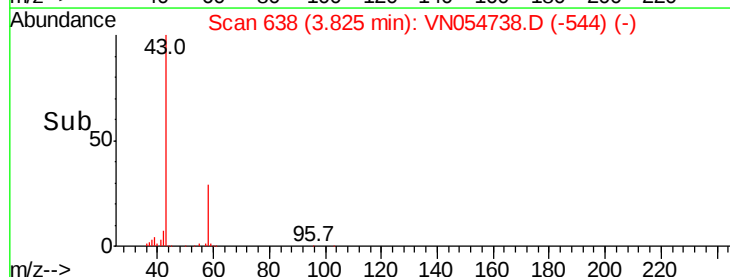
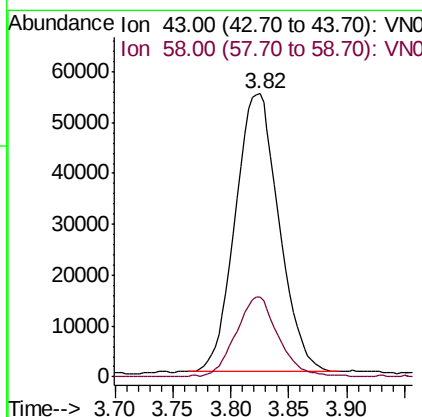
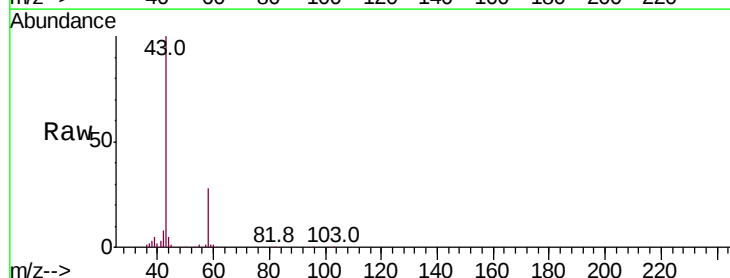
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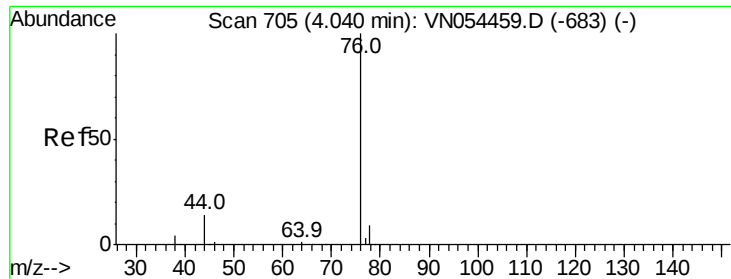
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#16
 Acetone
 Concen: 94.690 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.5	29.9	44.9#





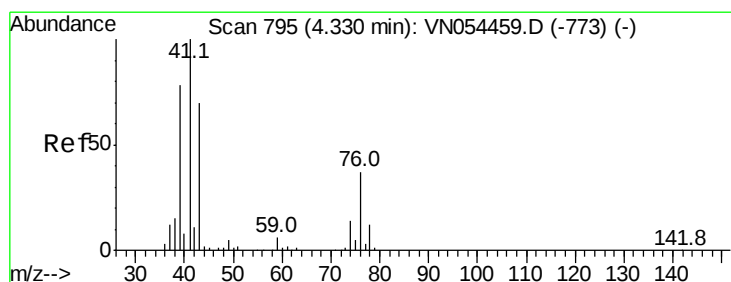
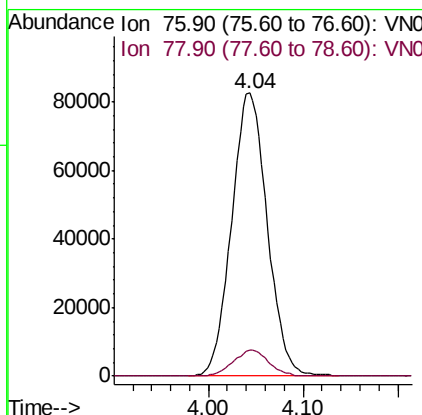
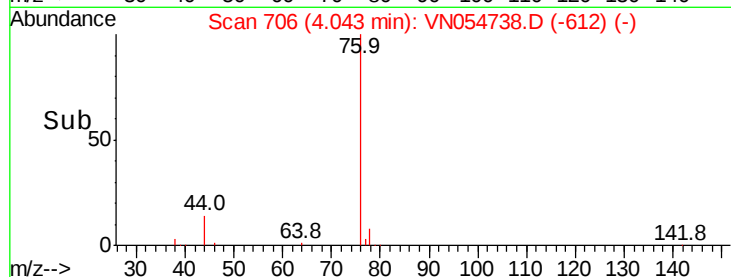
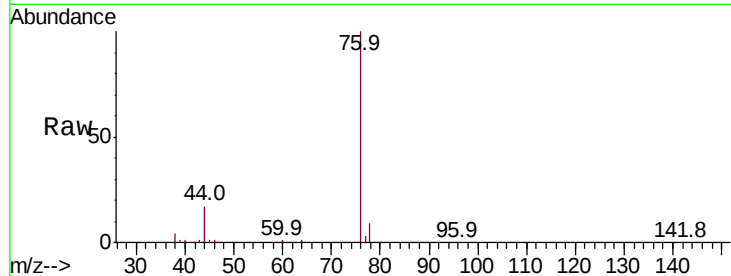
#17
Carbon Disulfide
Concen: 20.694 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion: 76 Resp: 216464
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

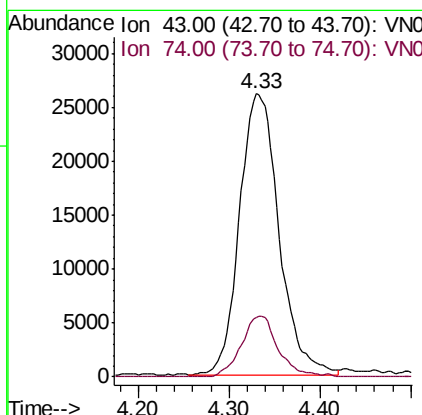
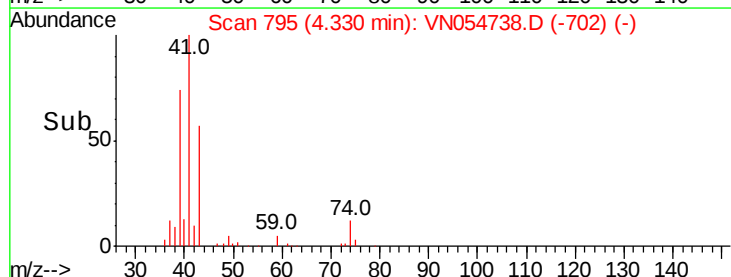
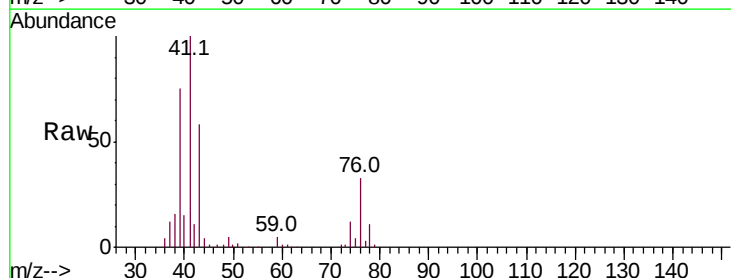
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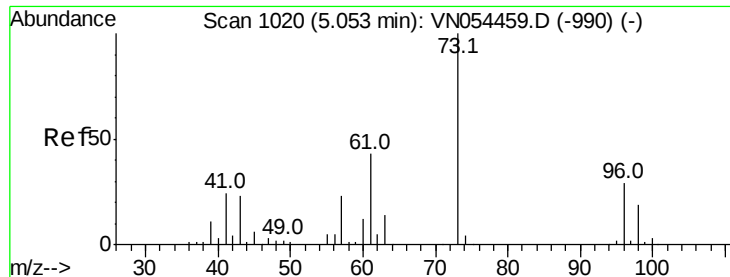
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#18
Methyl Acetate
Concen: 23.252 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion: 43 Resp: 78445
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#





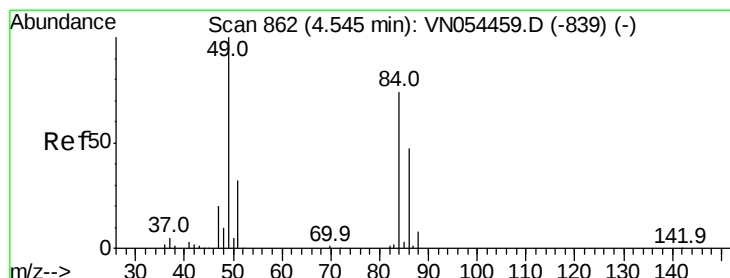
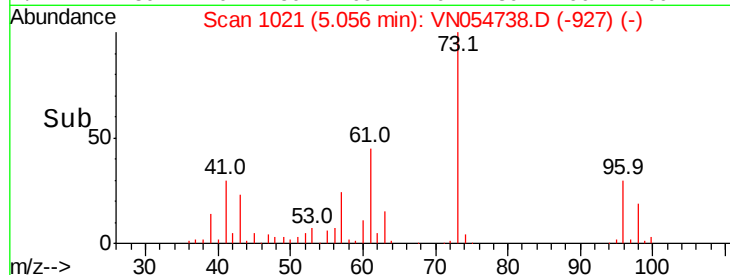
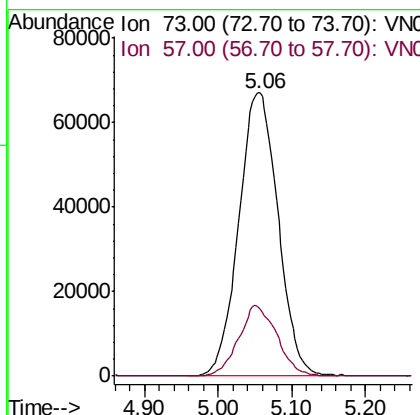
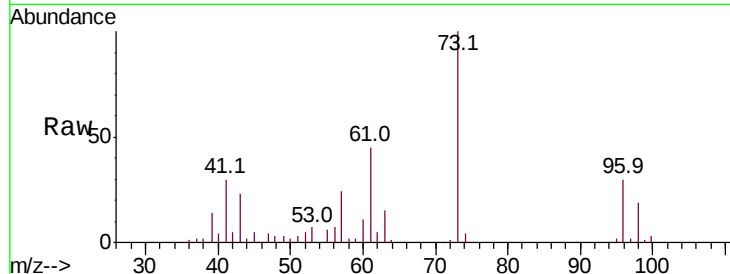
#19
Methyl tert-butyl Ether
Concen: 21.848 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0328WBSD01

Tot Ion: 73 Resp: 248933
Ion Ratio Lower Upper
73 100
57 23.5 16.8 25.2

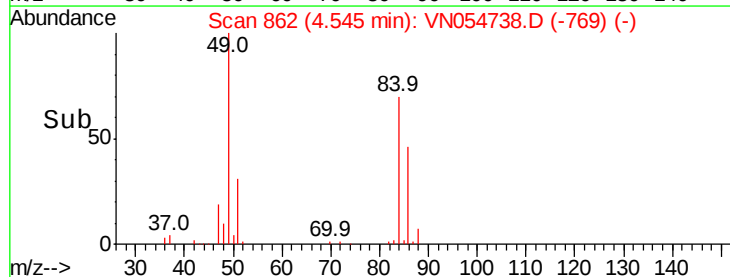
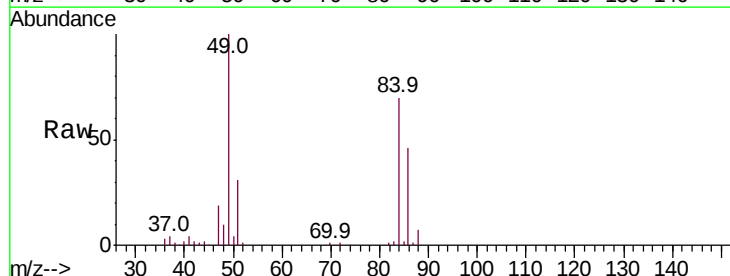
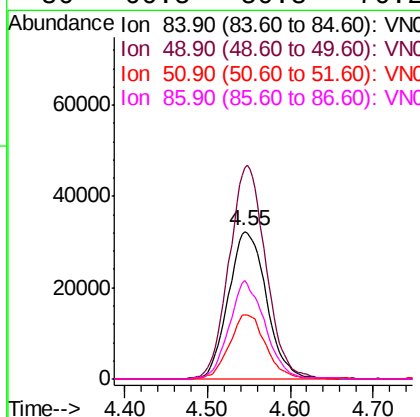
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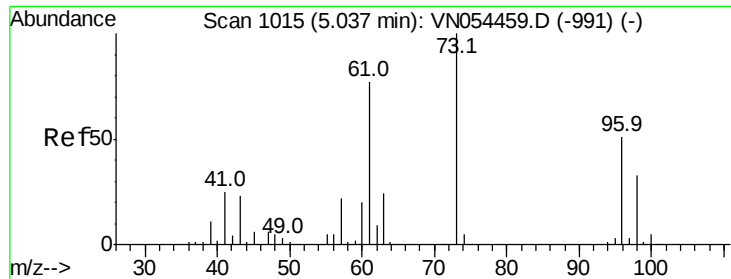
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#20
Methylene Chloride
Concen: 23.166 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion: 84 Resp: 103363
Ion Ratio Lower Upper
84 100
49 142.5 89.7 134.5#
51 43.8 28.2 42.4#
86 66.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 22.833 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 96 Resp: 91022

Ion Ratio Lower Upper

96 100

61 147.9 102.8 154.2

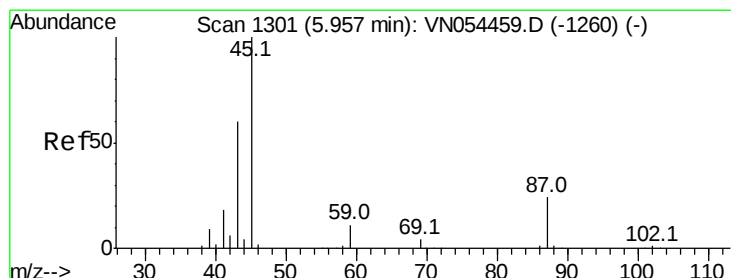
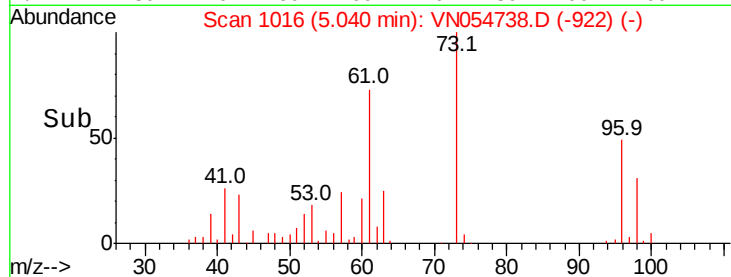
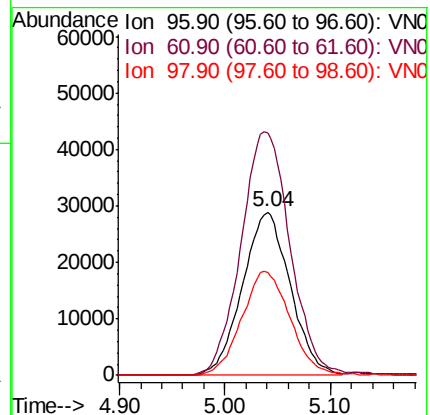
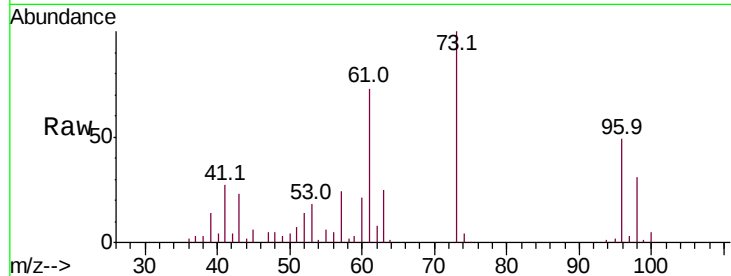
98 62.7 50.0 75.0

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#22

Diisopropyl ether

Concen: 23.863 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion: 45 Resp: 346029

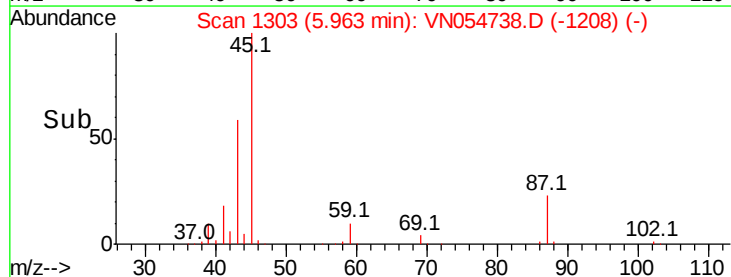
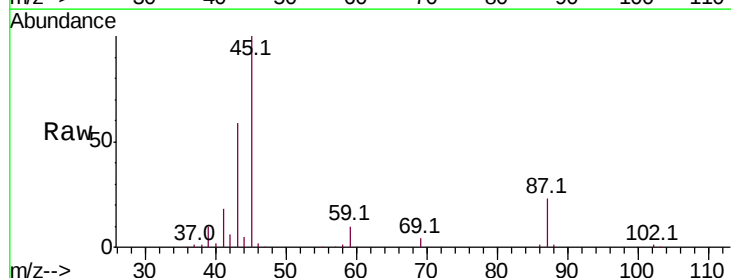
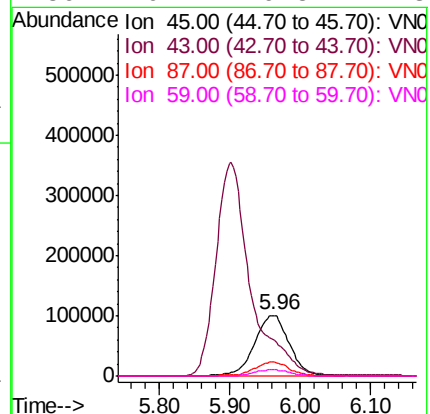
Ion Ratio Lower Upper

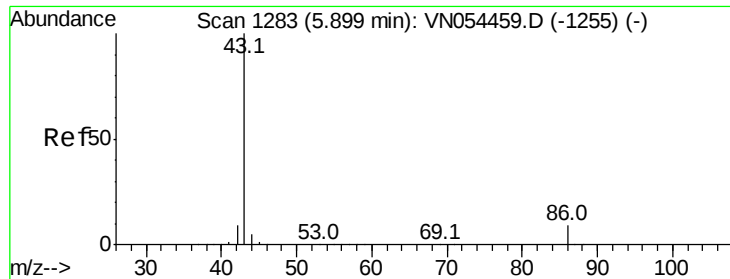
45 100

43 56.7 48.2 72.2

87 22.6 24.9 37.3#

59 10.1 9.5 14.3





#23

Vinyl Acetate

Concen: 119.004 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 43 Resp: 1218772

Ion Ratio Lower Upper

43 100

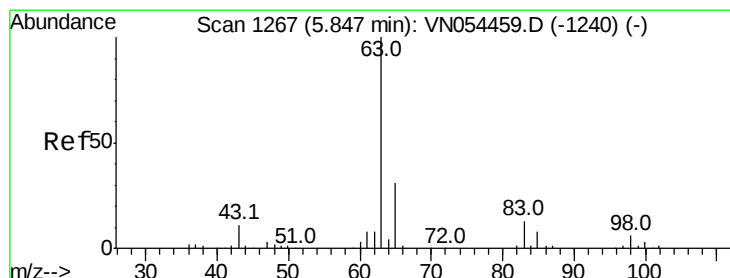
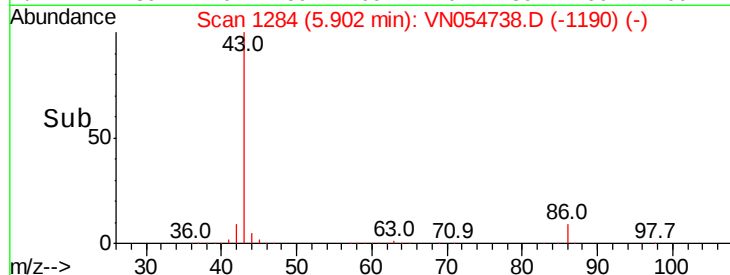
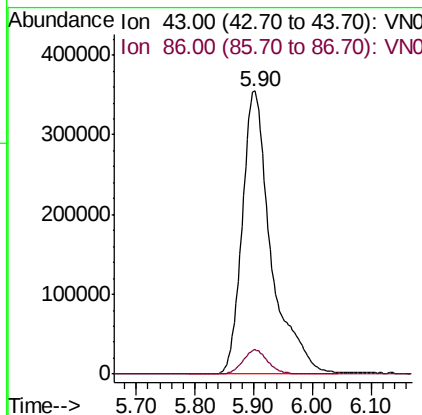
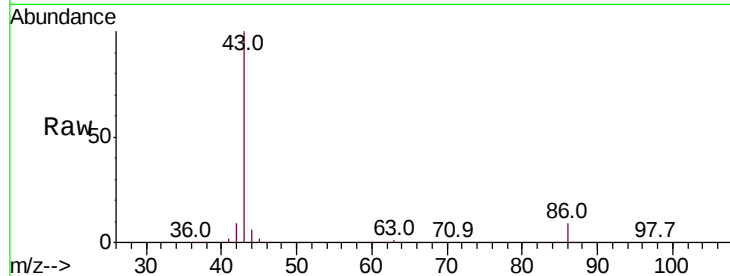
86 8.6 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 23.459 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

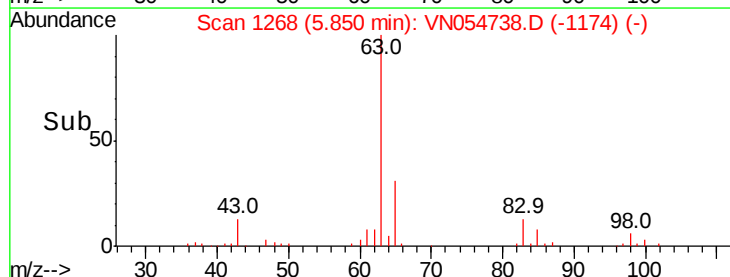
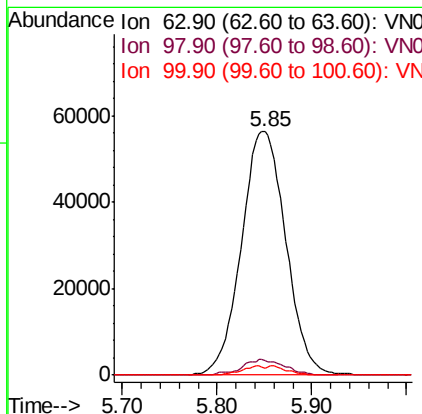
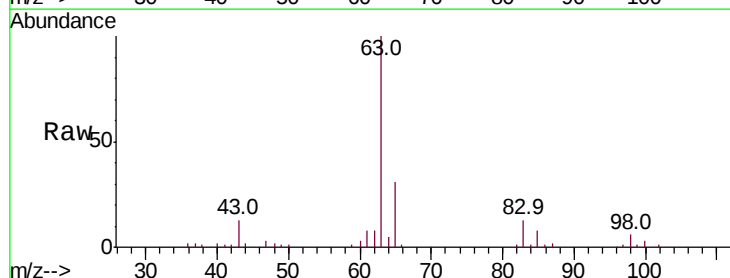
Tgt Ion: 63 Resp: 183160

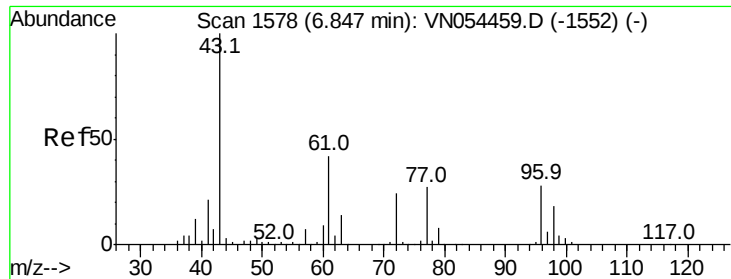
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 3.1 2.0 6.0





#25

2-Butanone

Concen: 114.471 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 43 Resp: 221955

Ion Ratio Lower Upper

43 100

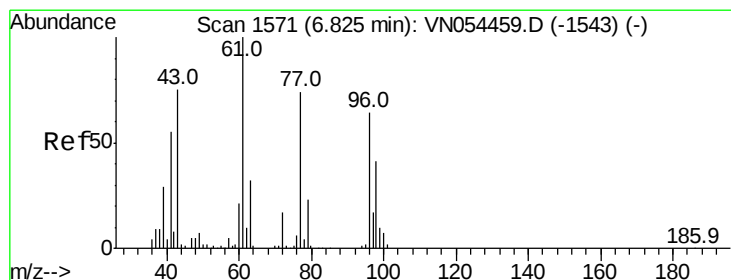
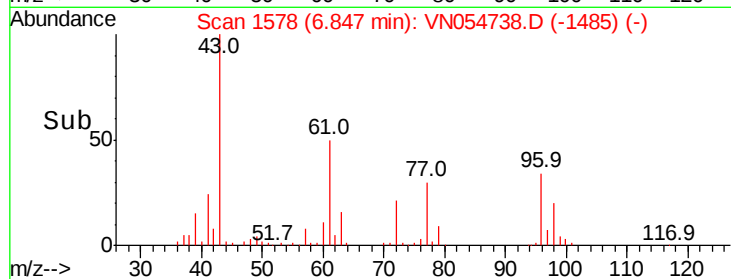
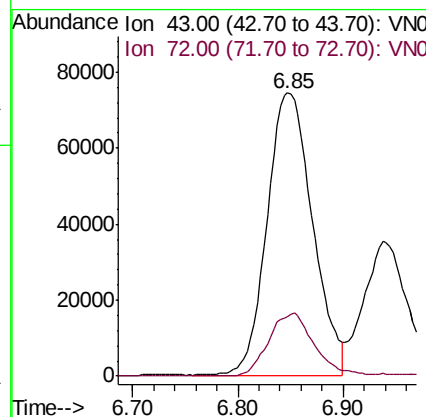
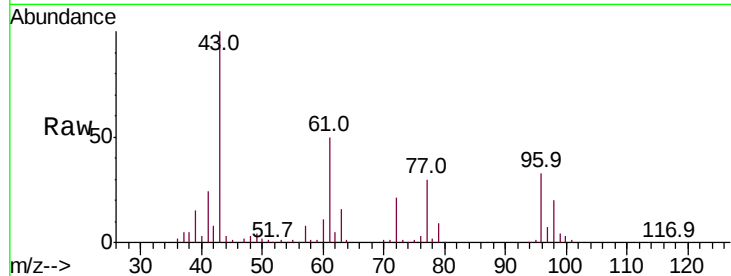
72 21.2 23.0 34.6#

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3/29/2019 9:49:33 AM



#26

2,2-Dichloropropane

Concen: 22.559 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054738.D

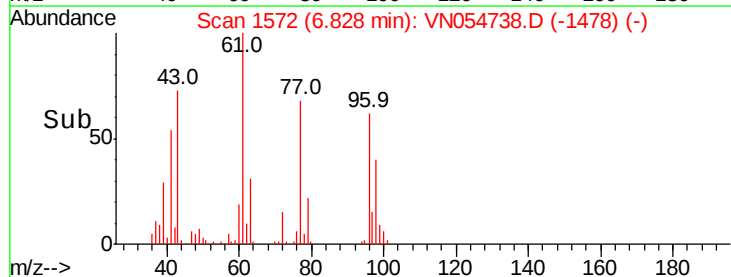
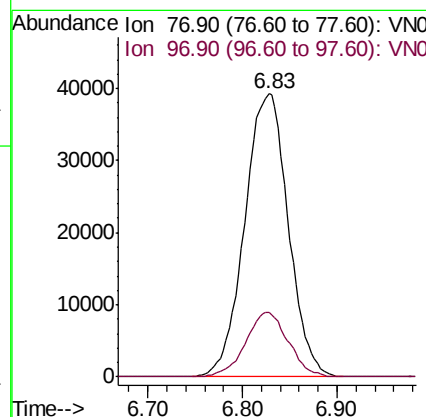
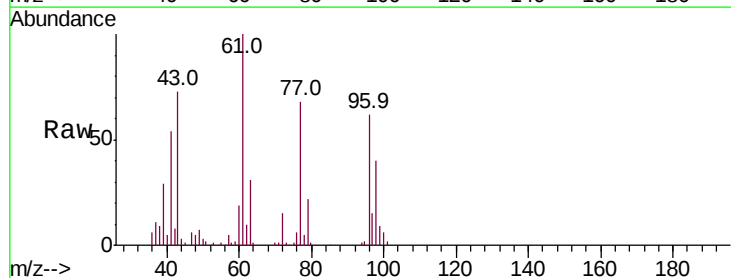
Acq: 28 Mar 2019 12:28

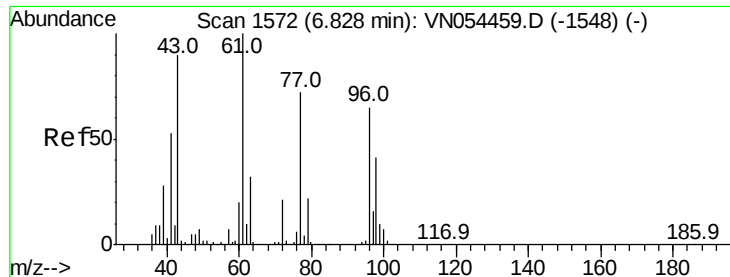
Tgt Ion: 77 Resp: 125558

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.141 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

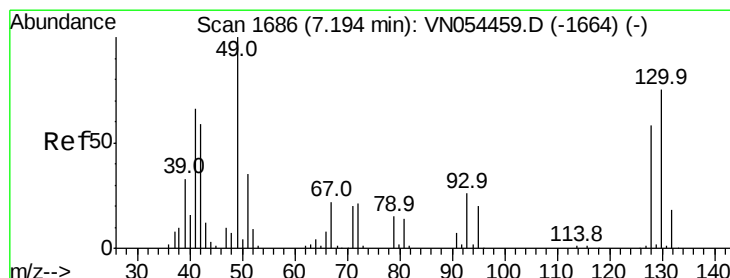
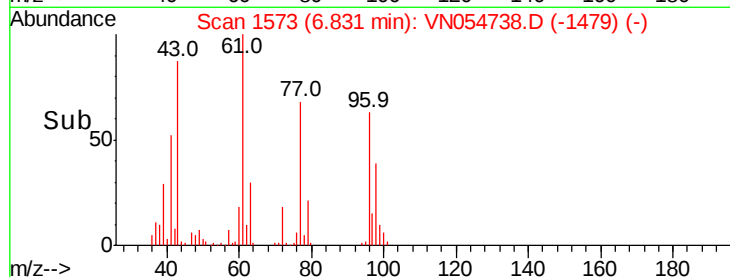
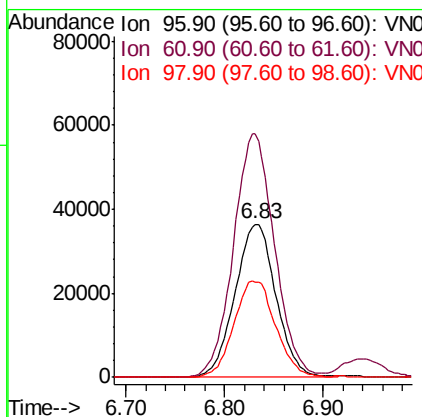
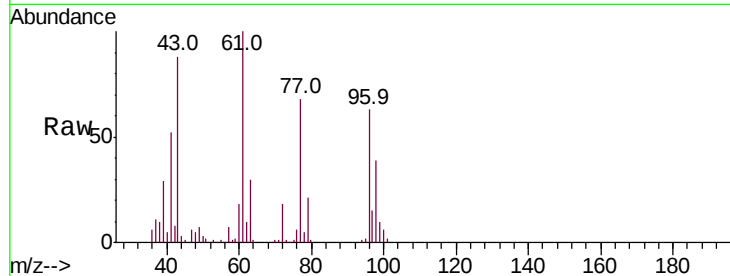
ClientSampleId :

VN0328WBSD01

Tot Ion:	96	Resp:	105281
Ion Ratio	Lower	Upper	
96	100		
61	158.6	0.0	273.0
98	63.8	0.0	130.6

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#28

Bromochloromethane

Concen: 22.146 ug/l

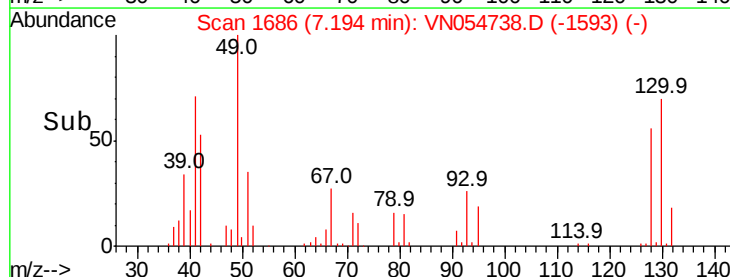
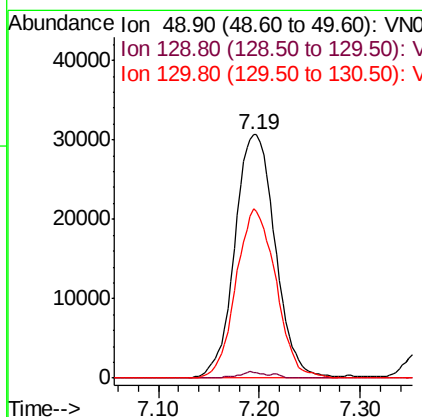
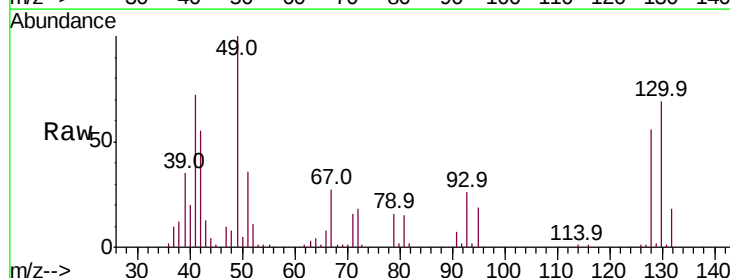
RT: 7.19 min Scan# 1686

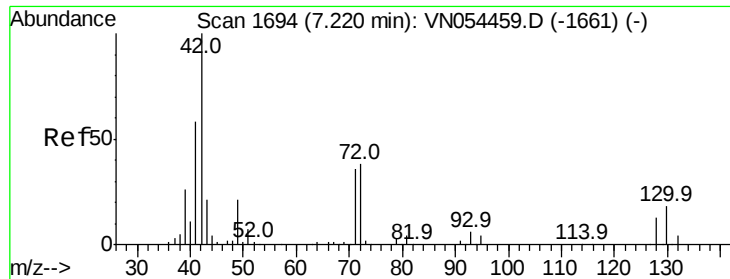
Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	49	Resp:	85111
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	4.6
130	68.6	76.7	115.1#





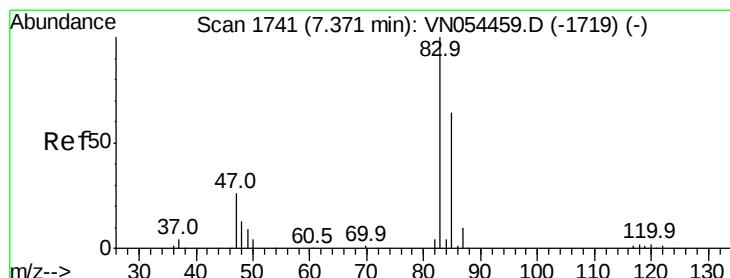
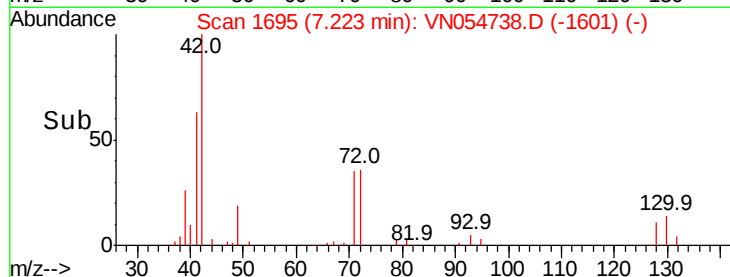
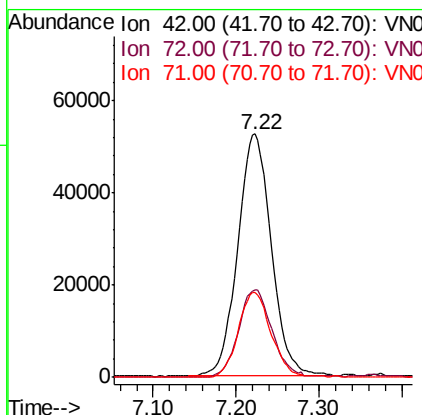
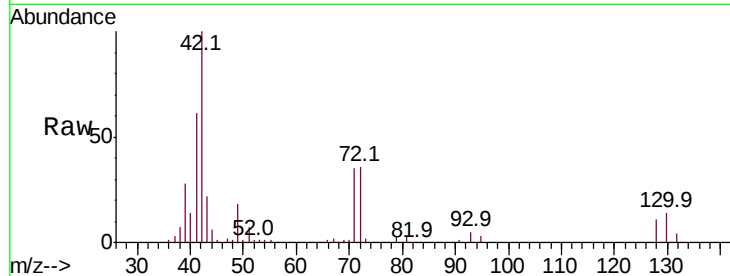
#29
Tetrahydrofuran
Concen: 117.617 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	37.8	56.6#
71	34.1	36.2	54.2#

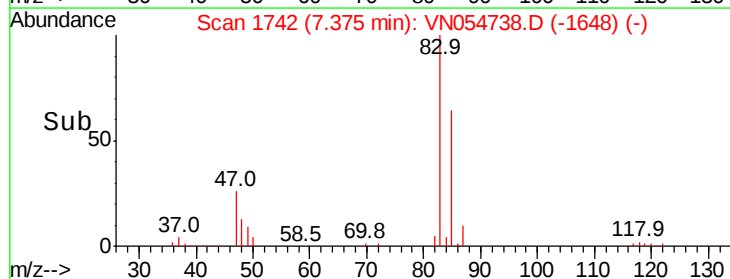
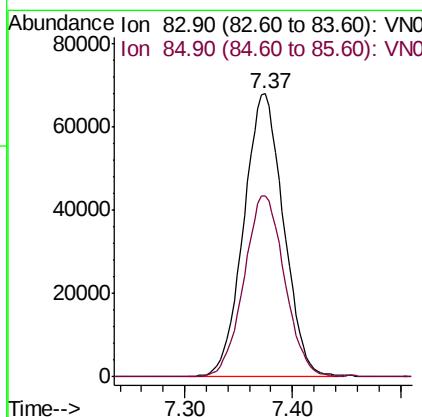
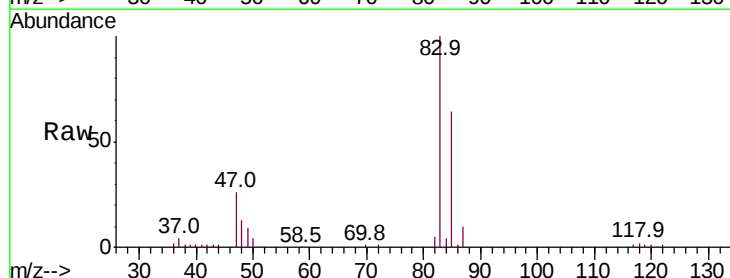
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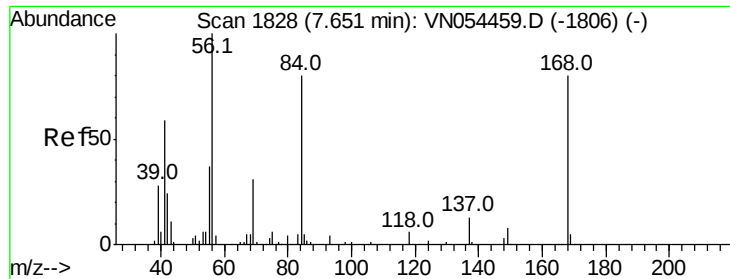
MMDadoda
3/29/2019 9:49:33 AM



#30
Chloroform
Concen: 22.941 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





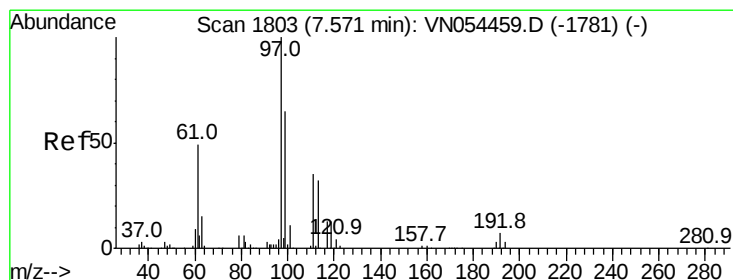
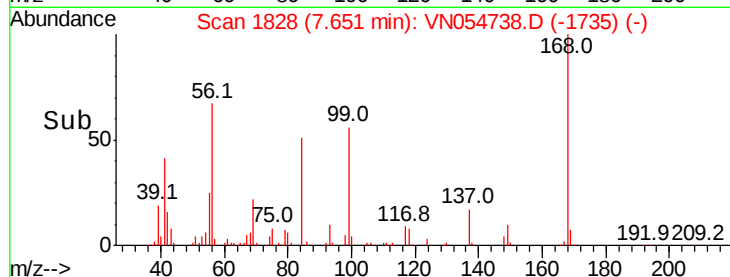
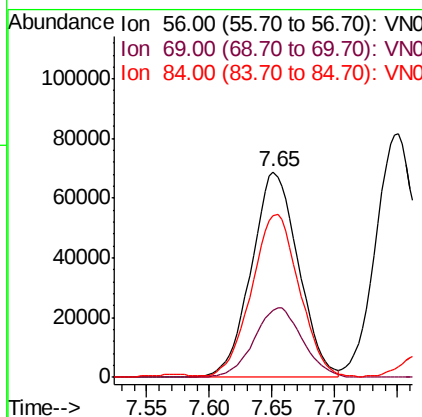
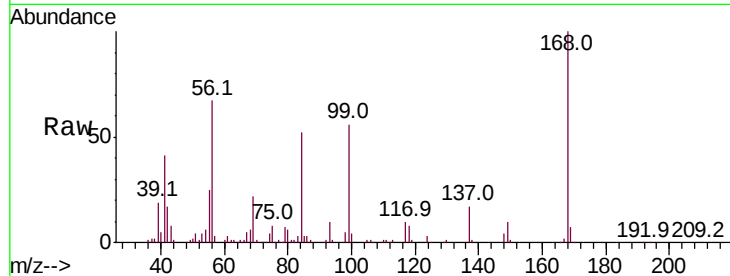
#31
Cyclohexane
Concen: 23.020 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleID :
VN0328WBSD01

Tot Ion: 56 Resp: 179716
Ion Ratio Lower Upper
56 100
69 32.4 27.8 41.6
84 77.0 74.6 111.8

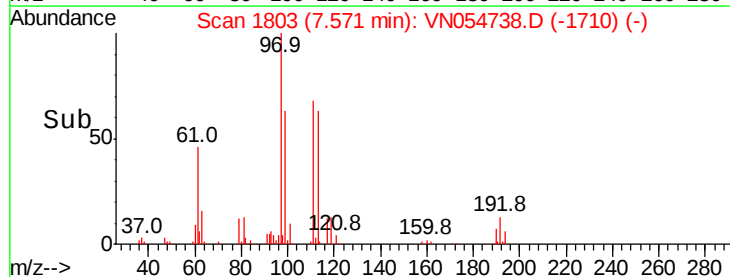
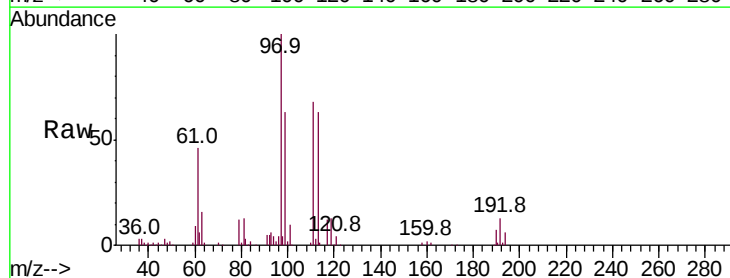
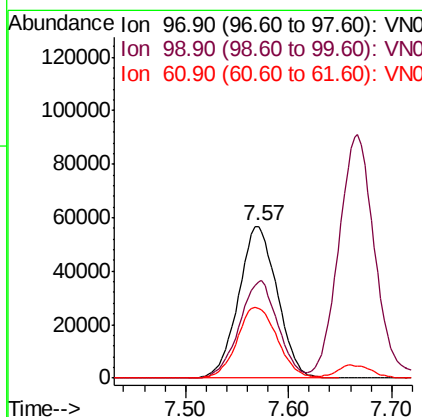
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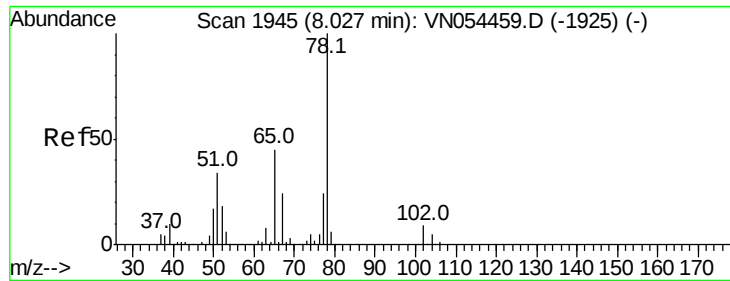
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#32
1,1,1-Trichloroethane
Concen: 23.533 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion: 97 Resp: 147933
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 48.5 33.6 50.4





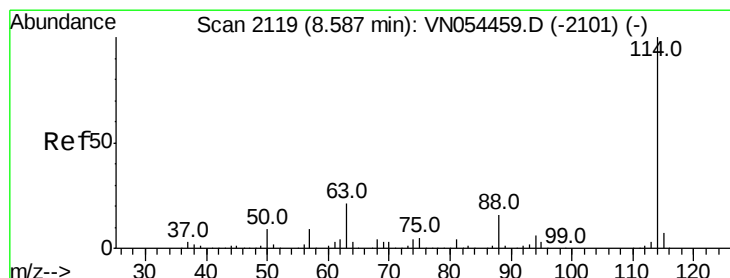
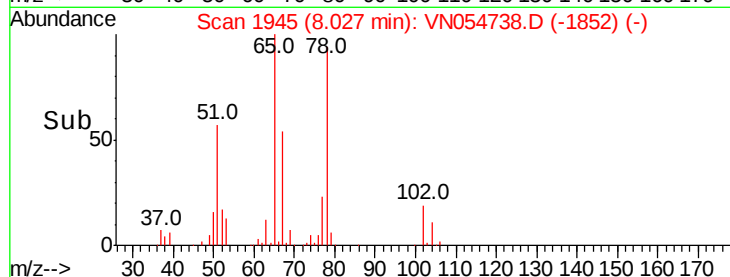
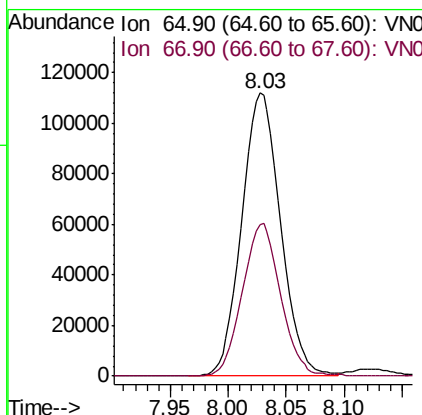
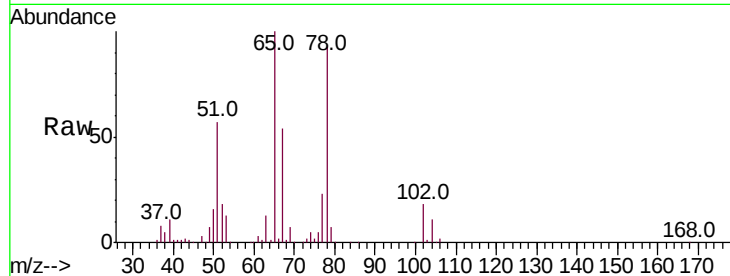
#33
 1,2-Dichloroethane-d4
 Concen: 51.958 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.6

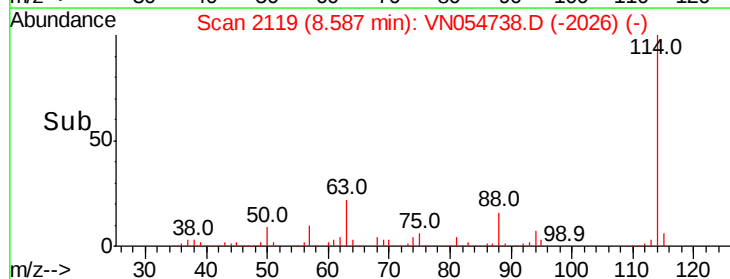
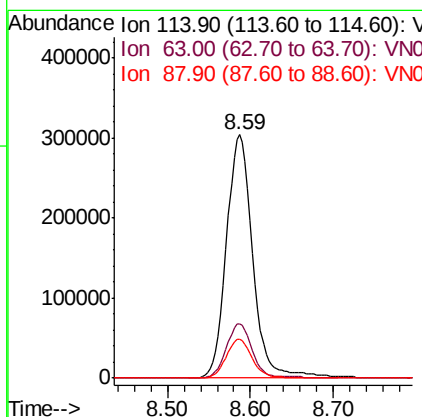
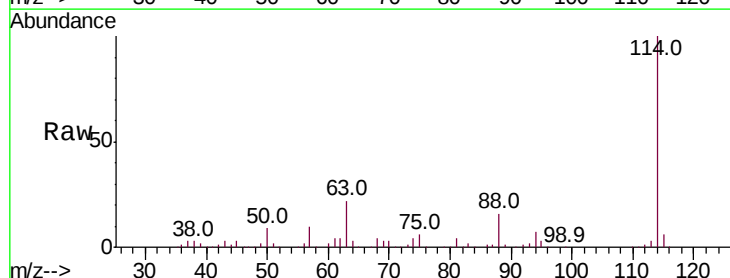
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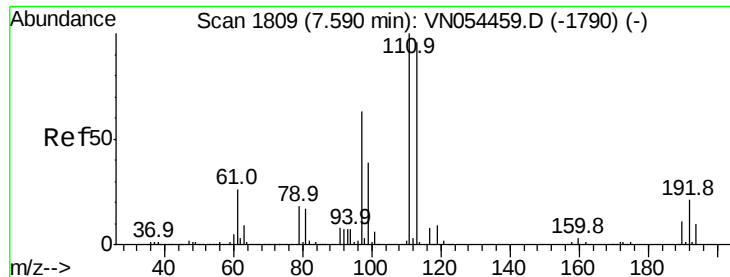
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	35.2
88	16.0	0.0	30.2





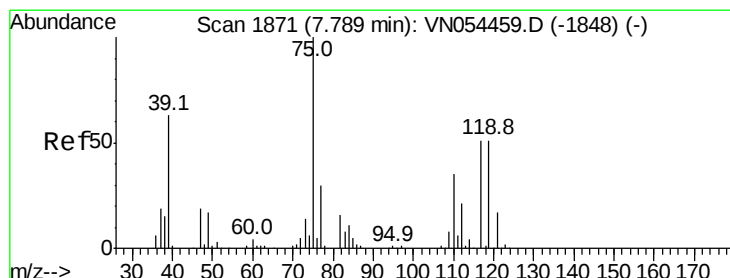
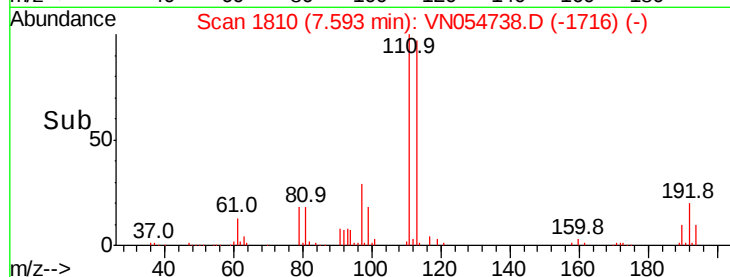
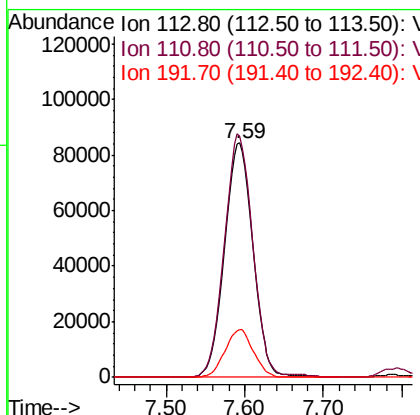
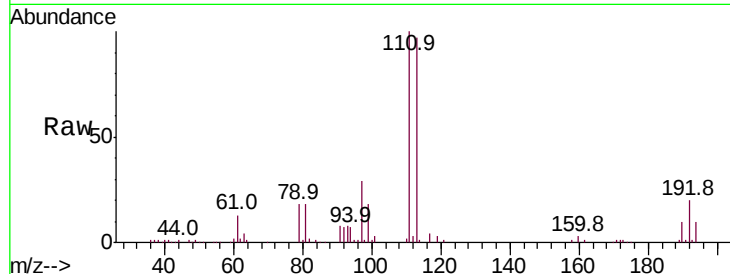
#35
 Dibromofluoromethane
 Concen: 48.810 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.2	123.4	
192	20.2	19.2	28.8	

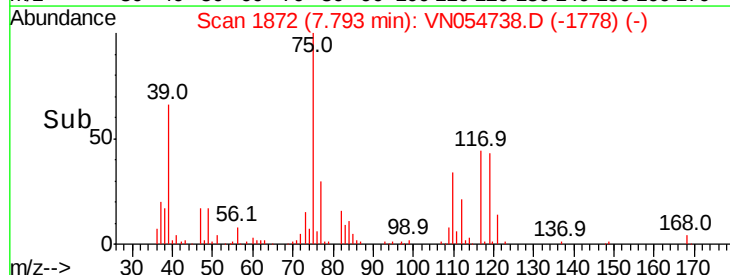
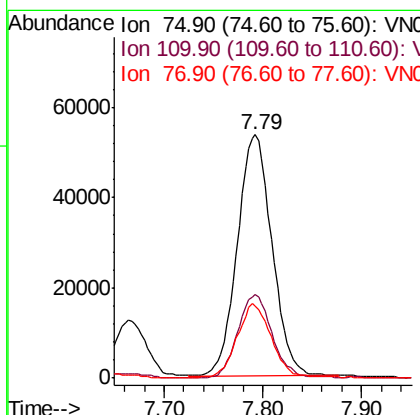
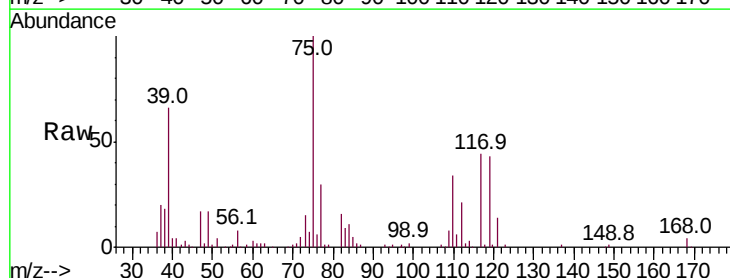
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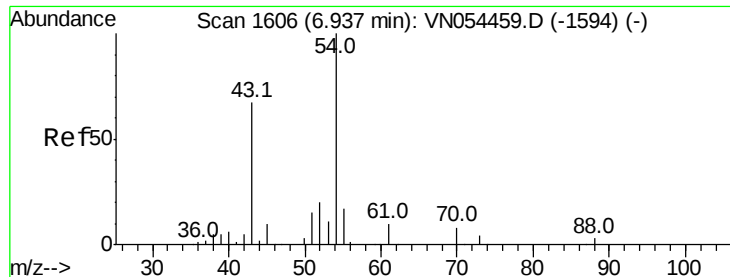
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 3/29/2019 9:49:33 AM



#36
 1,1-Dichloropropene
 Concen: 20.848 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	19.1	57.5	
77	30.4	25.0	37.4	





#37

Ethyl Acetate

Concen: 21.892 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

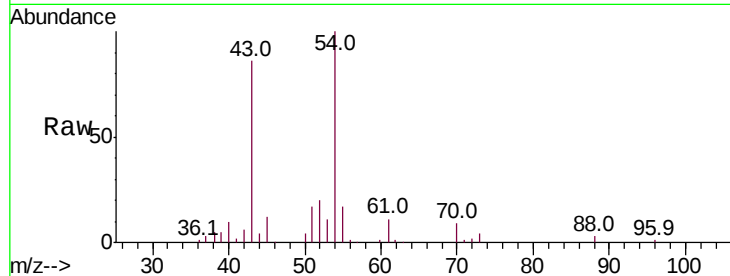
ClientSampleId :

VN0328WBSD01

Tot Ion:	43	Resp:	97942
Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.8	17.6
70	9.2	8.4	12.6

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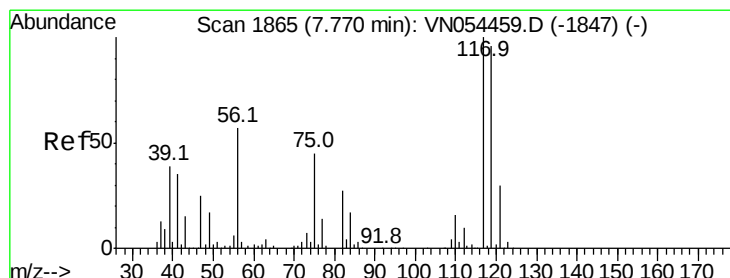
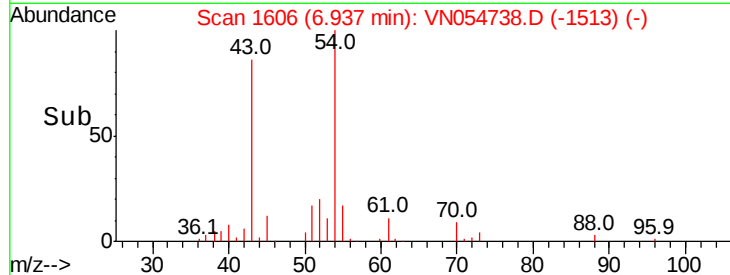
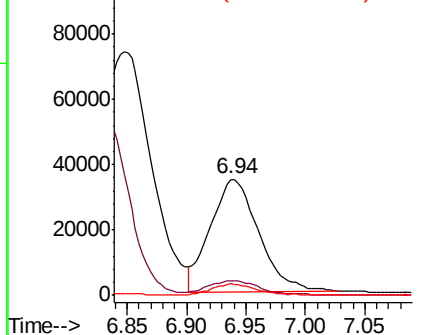


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 20.535 ug/l

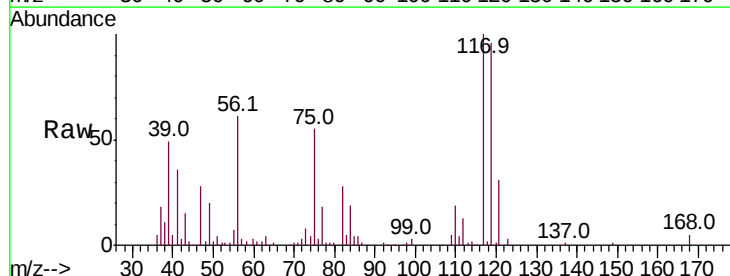
RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	117	Resp:	125525
Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.3	114.5
121	30.8	24.6	36.8

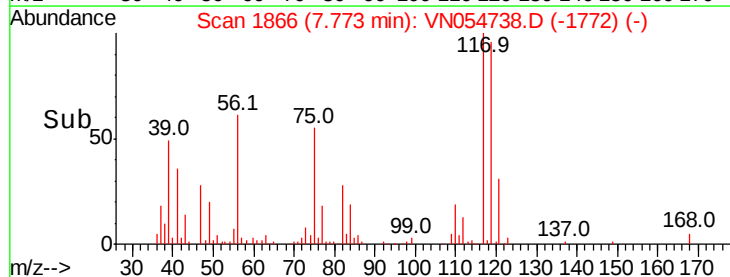
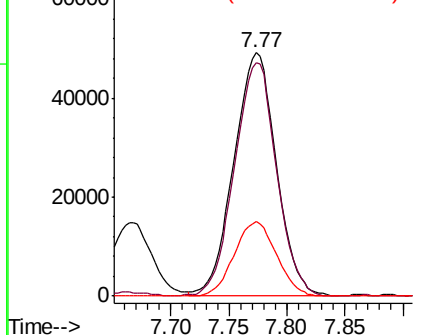


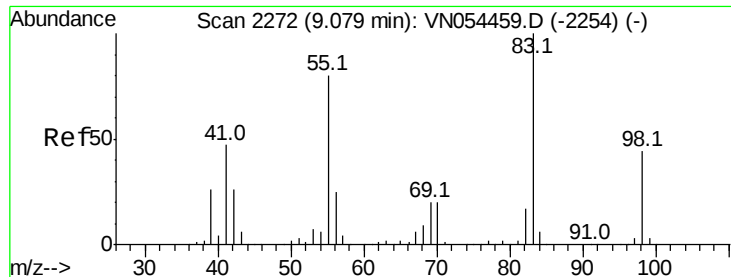
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





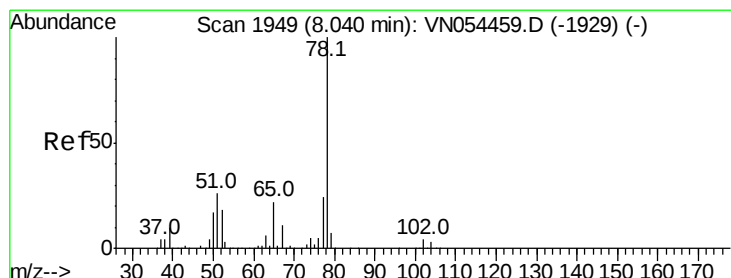
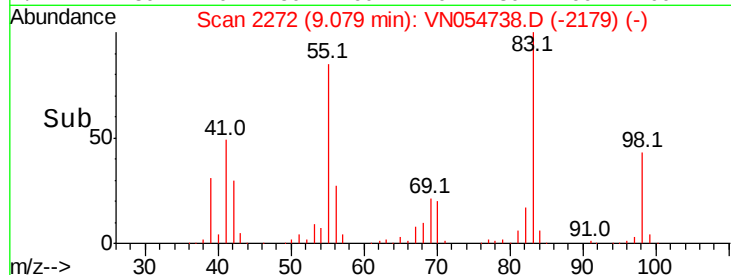
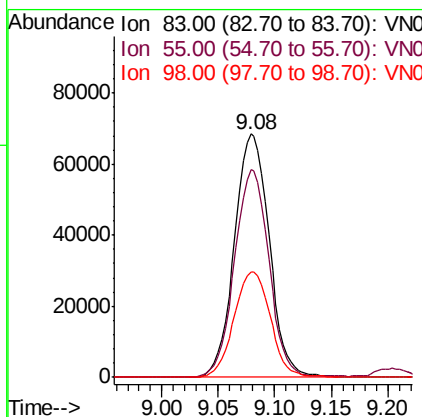
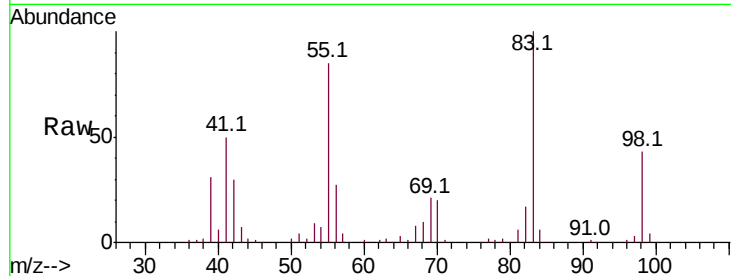
#39
Methvlcvclohexane
Concen: 20.434 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	56.6	84.8#
98	43.3	38.4	57.6

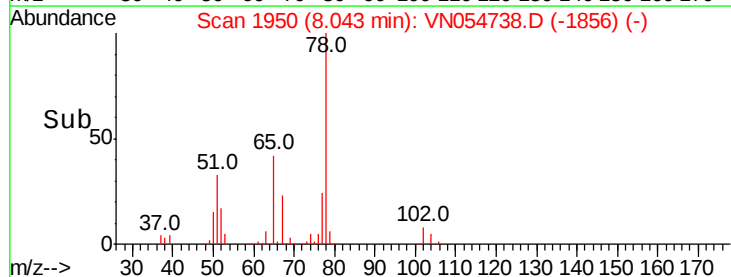
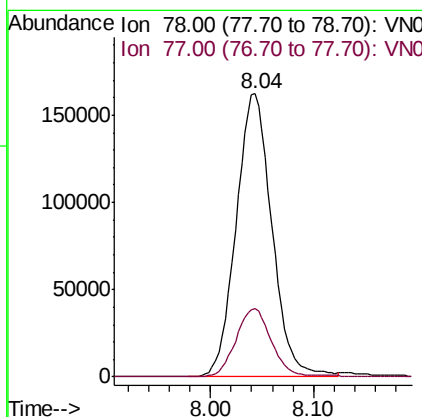
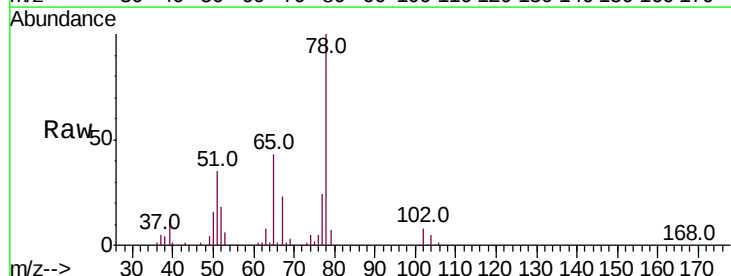
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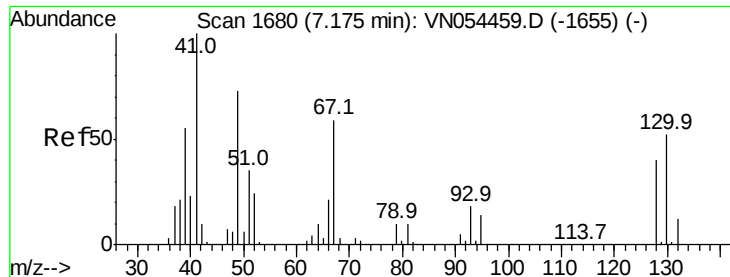
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#40
Benzene
Concen: 21.810 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





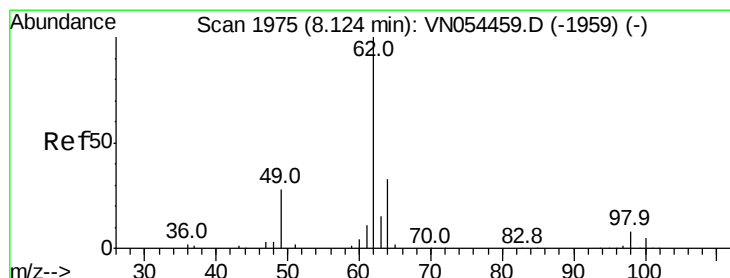
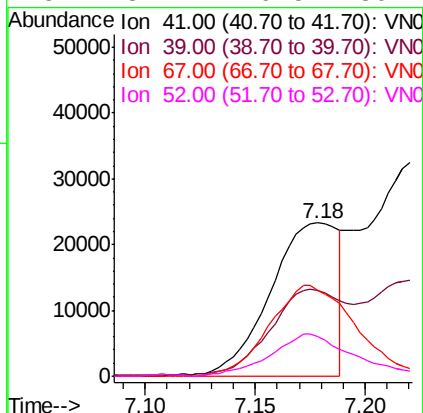
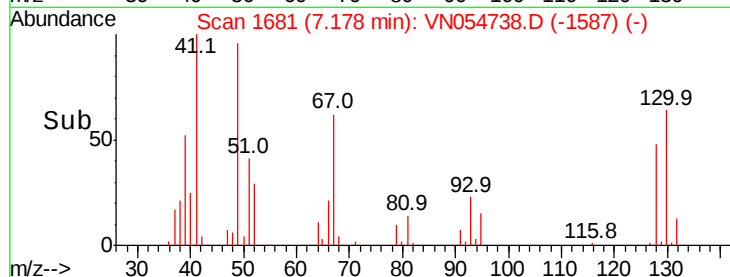
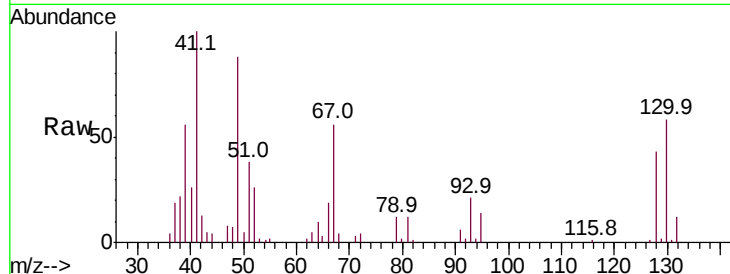
#41
Methacrylonitrile
Concen: 18.190 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion:	41	Resp:	49631
Ion	Ratio	Lower	Upper
41	100		
39	62.4	46.8	70.2
67	76.5	67.0	100.4
52	34.4	26.5	39.7

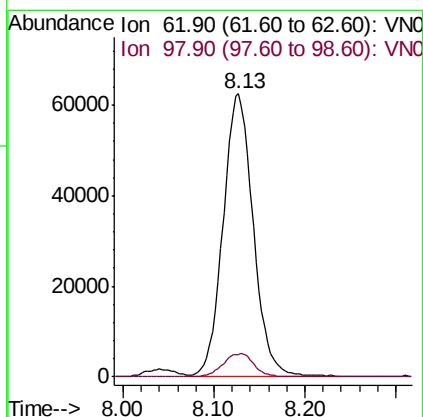
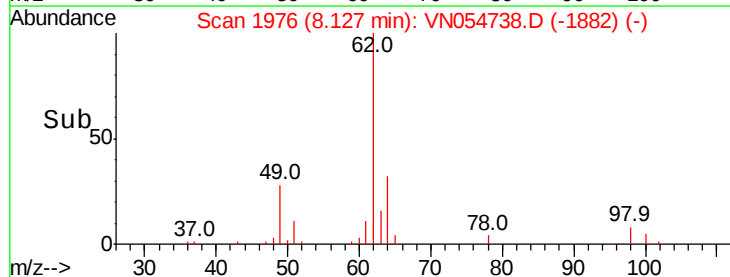
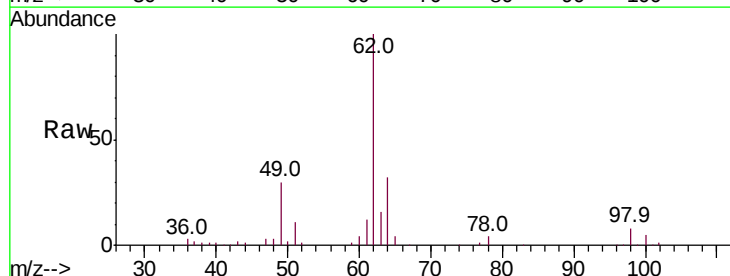
Manual Integrations
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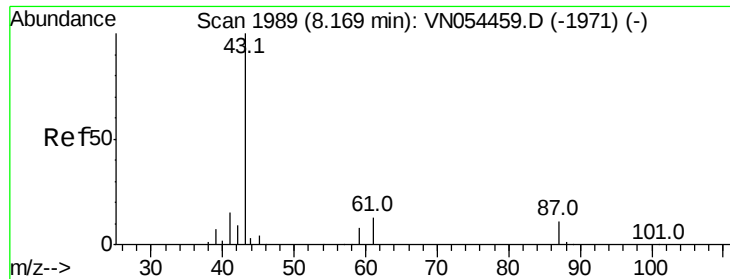
MMDadoda
3/29/2019 9:49:33 AM



#42
1,2-Dichloroethane
Concen: 21.819 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion:	62	Resp:	142931
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.4





#43

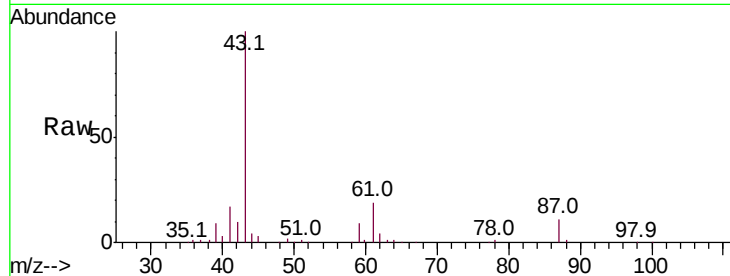
Isopropyl Acetate
 Concen: 22.124 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

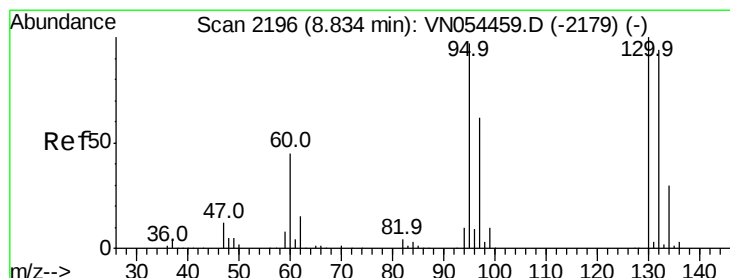
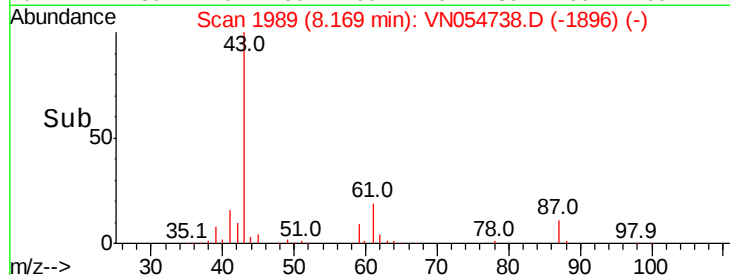
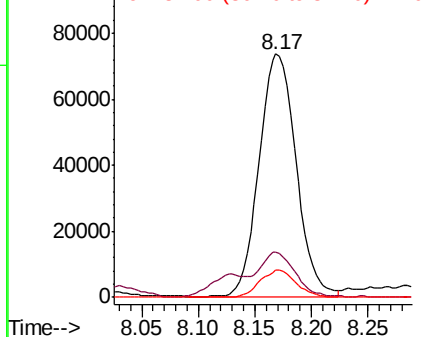
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	15.8	23.8
87	11.0	12.0	18.0

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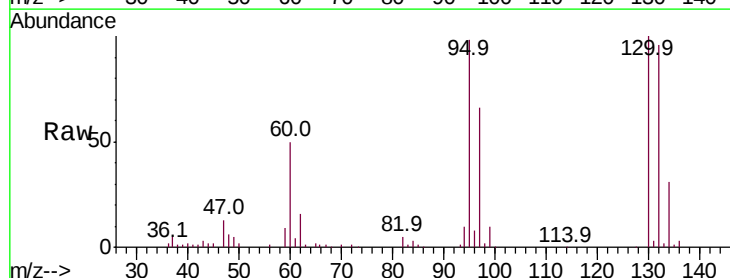
Abundance Ion 43.00 (42.70 to 43.70): VN054738.D (-1989) (-)



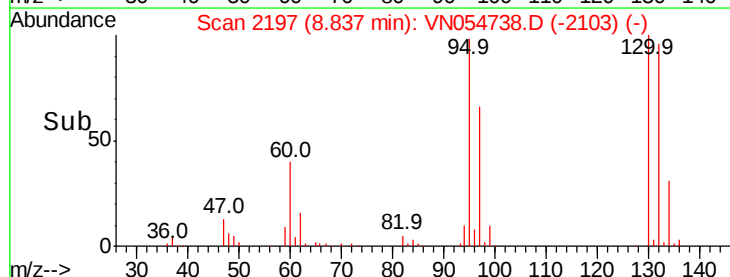
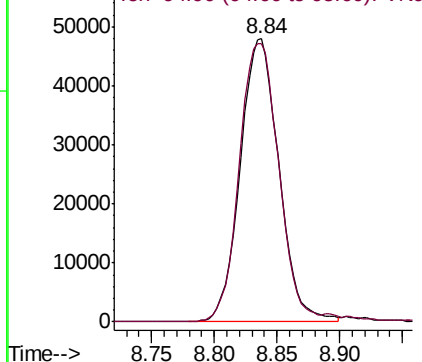
#44

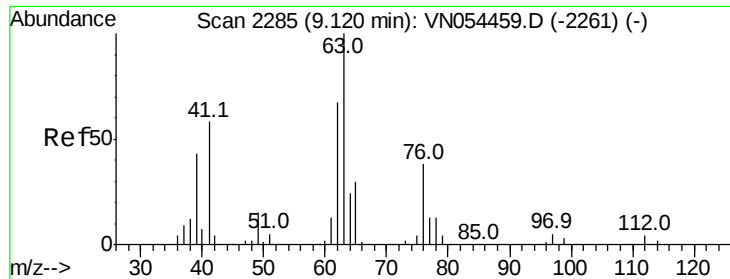
Trichloroethene
 Concen: 20.584 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054738.D (-2197) (-)





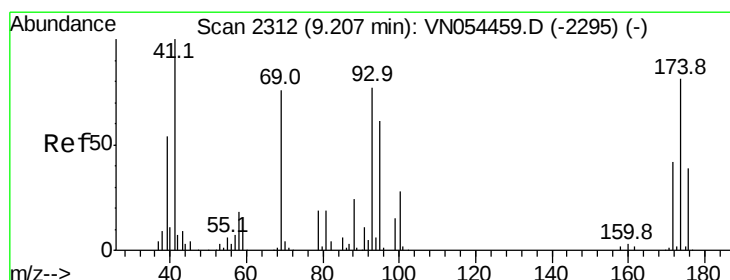
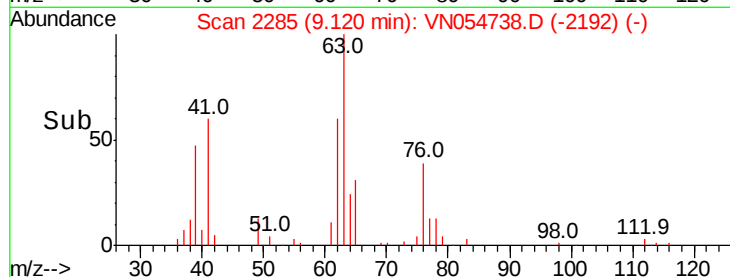
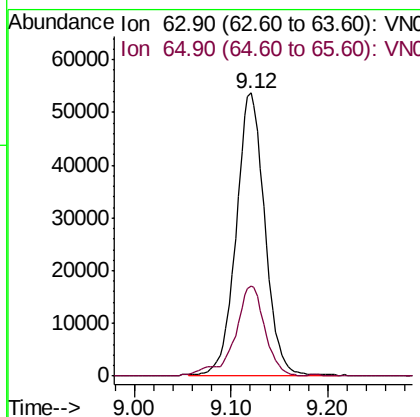
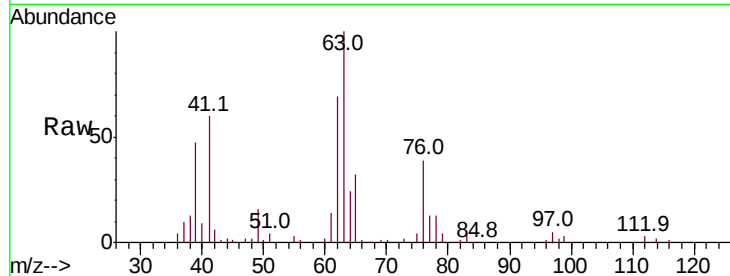
#45
 1,2-Dichloropropane
 Concen: 22.953 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion: 63 Resp: 110865
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.6

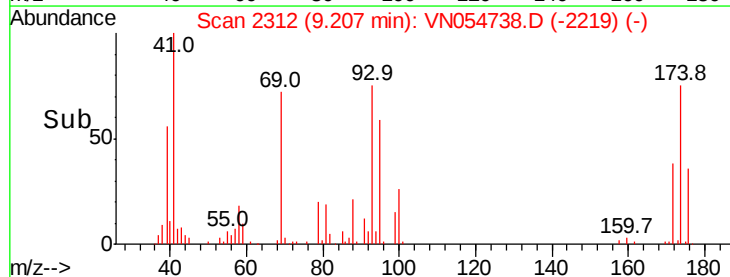
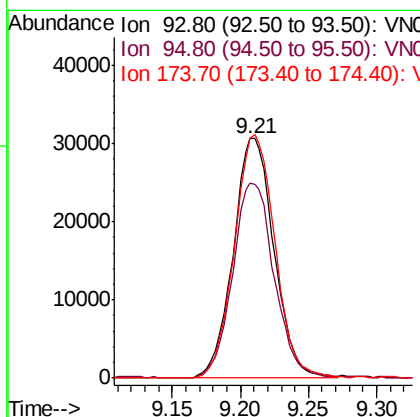
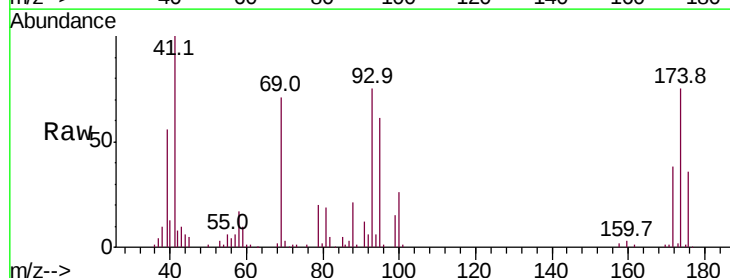
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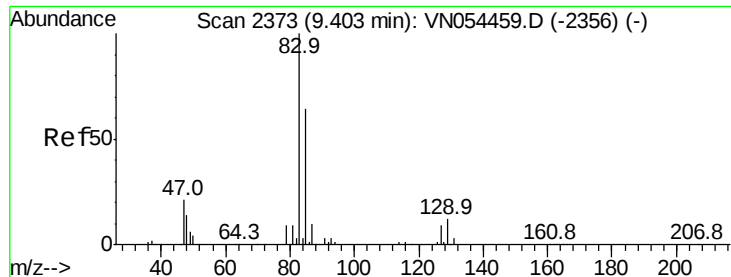
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#46
 Dibromomethane
 Concen: 22.074 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion: 93 Resp: 63605
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 101.0 98.5 147.7





#47

Bromodichloromethane

Concen: 21.930 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

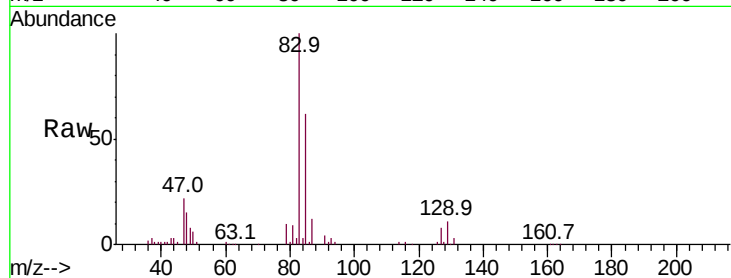
ClientSampleId :

VN0328WBSD01

Tot Ion:	83	Resp:	131146
Ion Ratio	Lower	Upper	
83	100		
85	62.2	52.8	79.2
127	8.4	7.4	11.2

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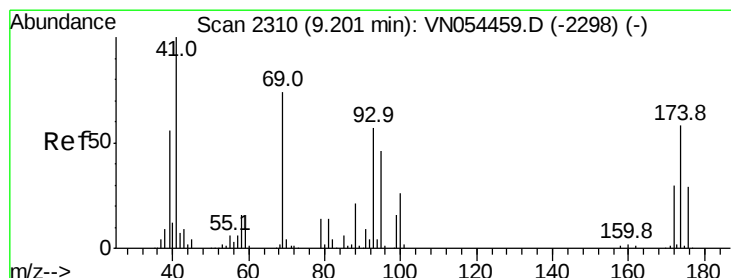
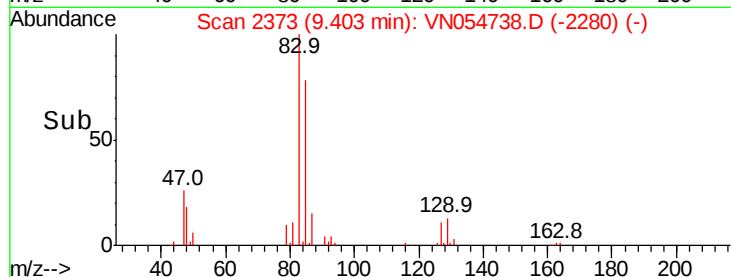
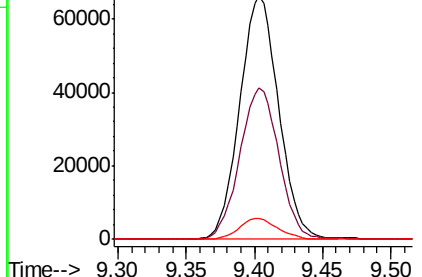
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Abundance Ion 82.90 (82.60 to 83.60): VN054738.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054738.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054738.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.696 ug/l

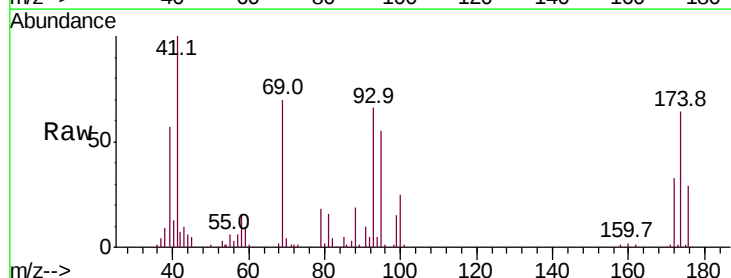
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

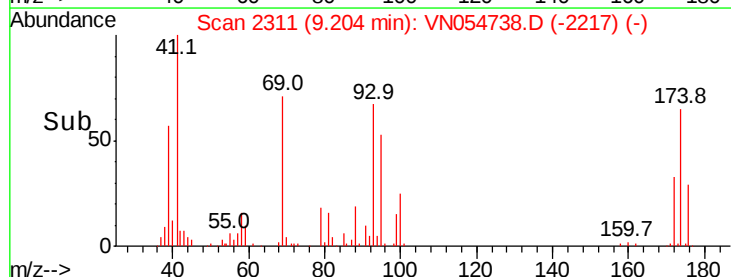
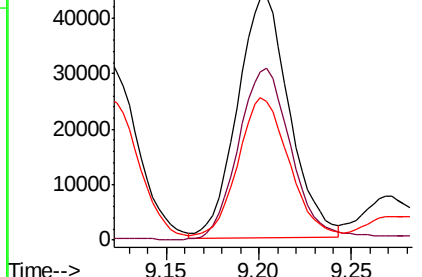
Tgt Ion:	41	Resp:	84876
Ion Ratio	Lower	Upper	
41	100		
69	73.6	72.6	108.8
39	57.6	47.5	71.3

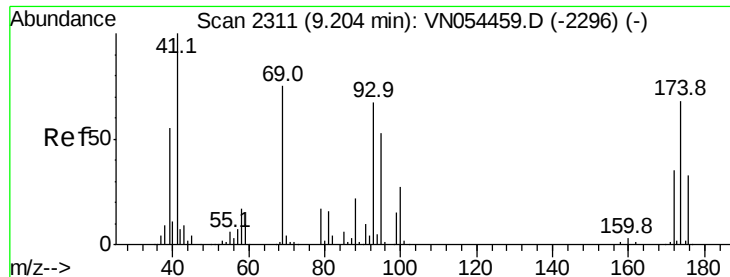


Abundance Ion 41.00 (40.70 to 41.70): VN054738.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054738.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054738.D (-2217) (-)





#49

1,4-Dioxane

Concen: 414.289 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 88 Resp: 18994

Ion Ratio Lower Upper

88 100

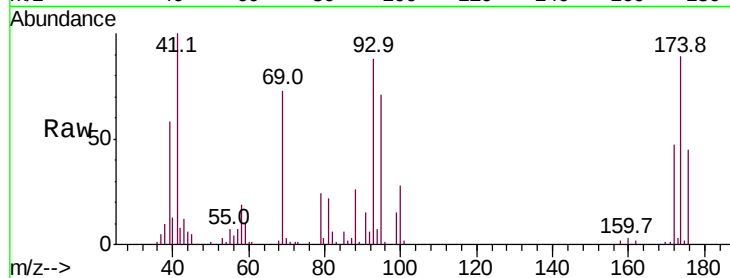
43 39.9 24.1 36.1#

58 73.8 50.8 76.2

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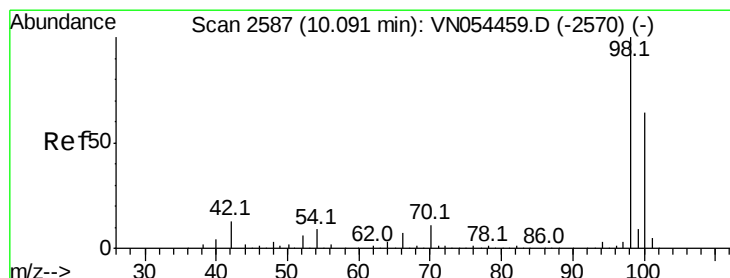
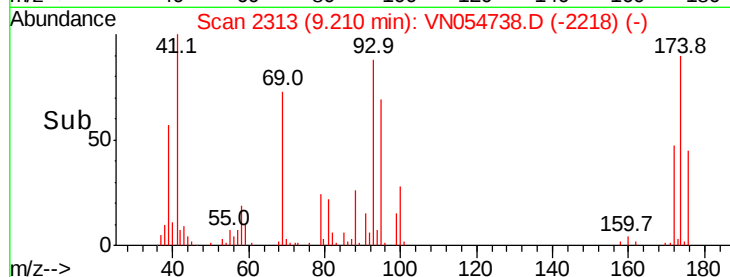
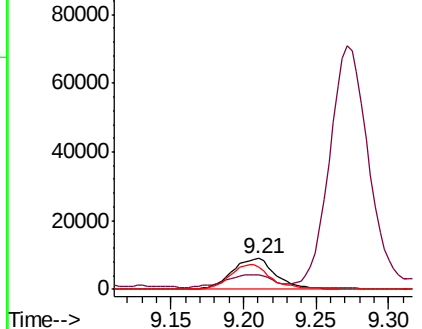
3/29/2019 9:49:33 AM



Abundance Ion 88.00 (87.70 to 88.70): VN054738.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054738.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054738.D (-2296) (-)



#50

Toluene-d8

Concen: 46.571 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054738.D

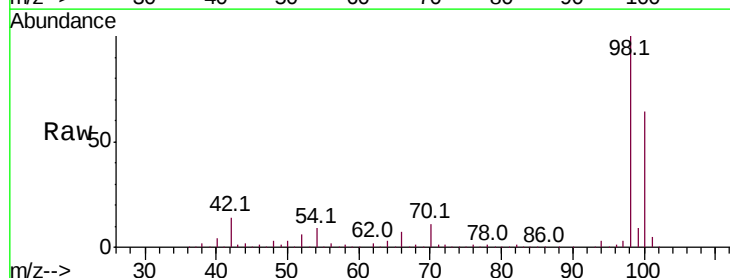
Acq: 28 Mar 2019 12:28

Tgt Ion: 98 Resp: 758831

Ion Ratio Lower Upper

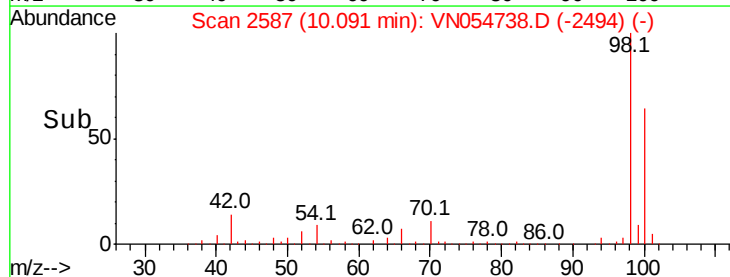
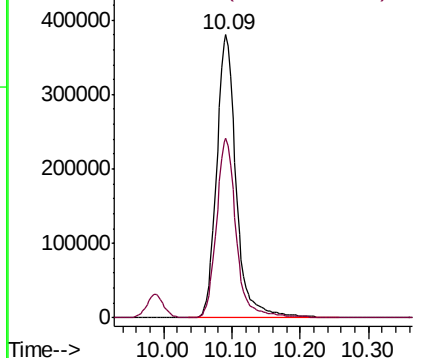
98 100

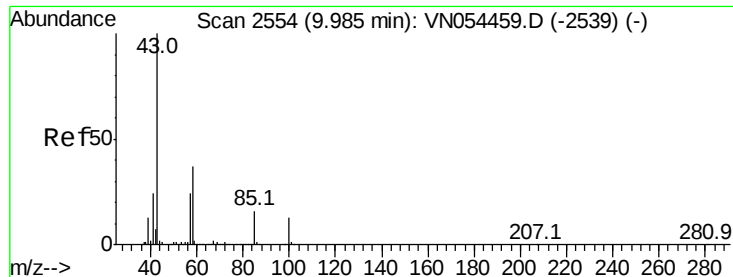
100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054738.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054738.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 111.616 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 43 Resp: 467389

Ion Ratio Lower Upper

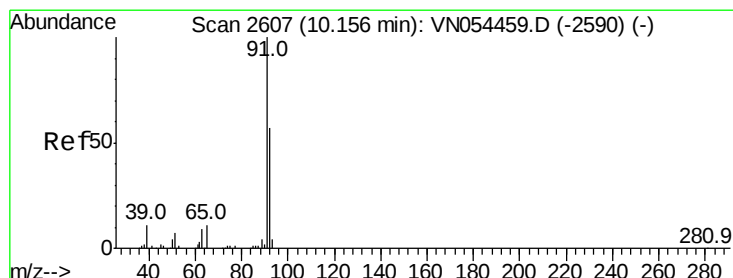
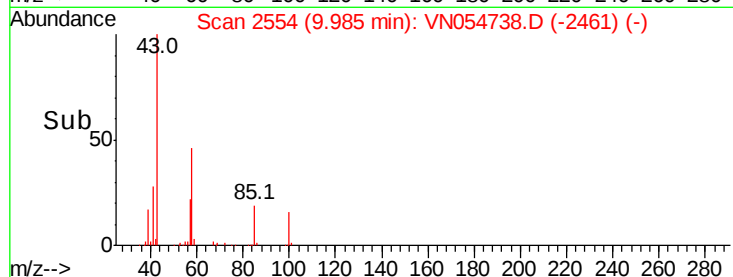
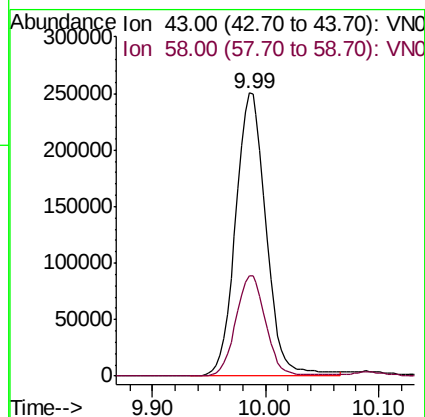
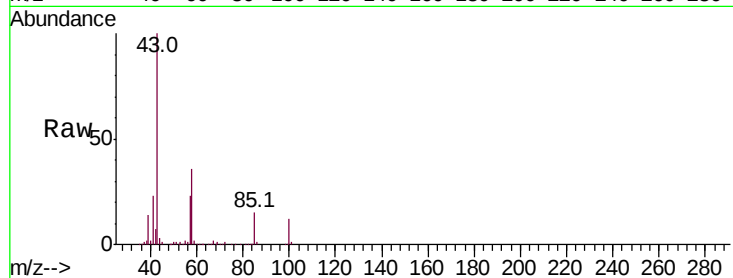
43 100

58 35.1 31.8 47.6

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#52

Toluene

Concen: 21.351 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054738.D

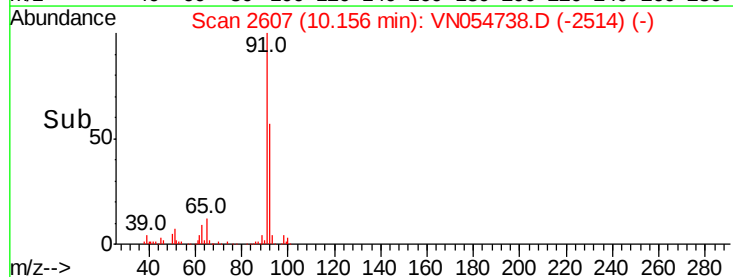
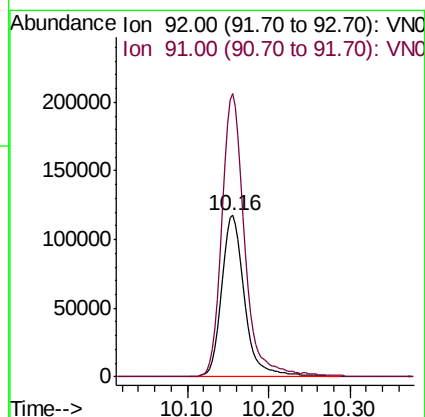
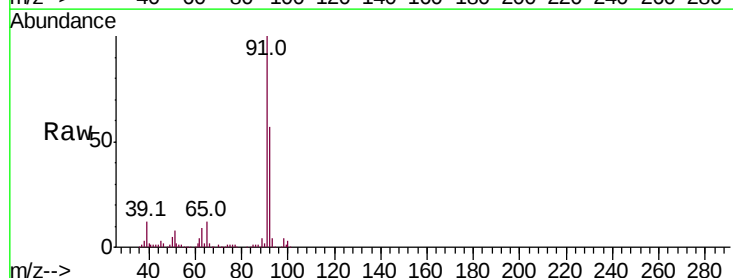
Acq: 28 Mar 2019 12:28

Tgt Ion: 92 Resp: 236216

Ion Ratio Lower Upper

92 100

91 173.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.021 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampled :

VN0328WBSD01

Tot Ion: 75 Resp: 117461

Ion Ratio Lower Upper

75 100

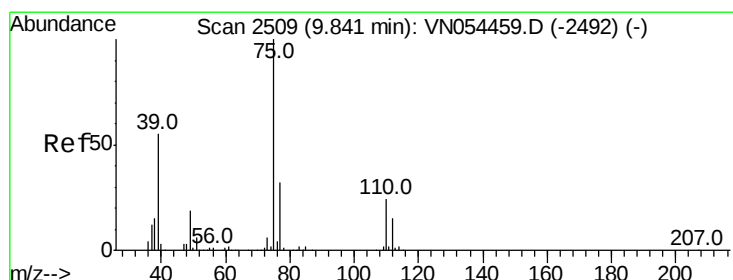
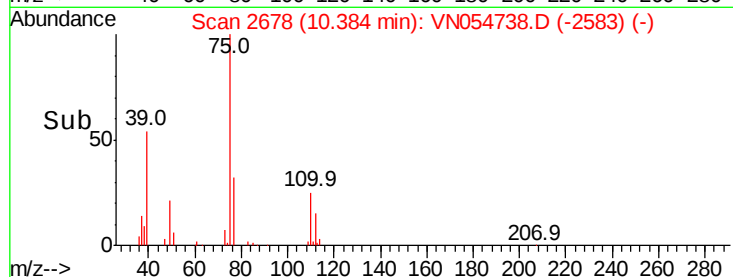
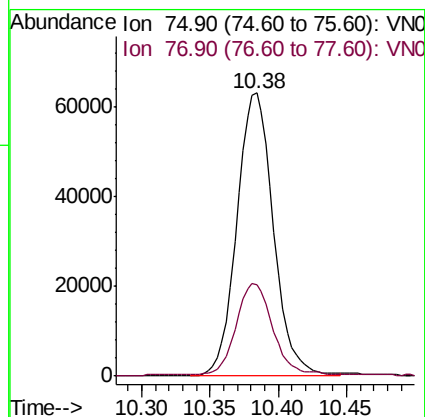
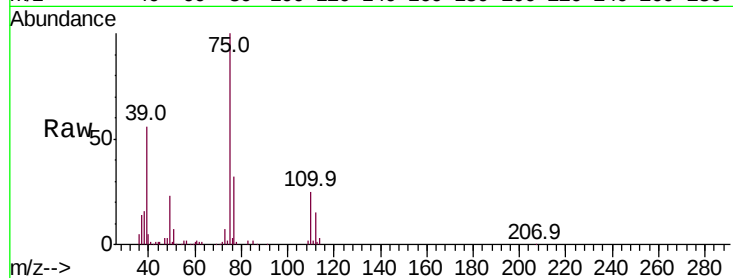
77 31.7 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.650 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

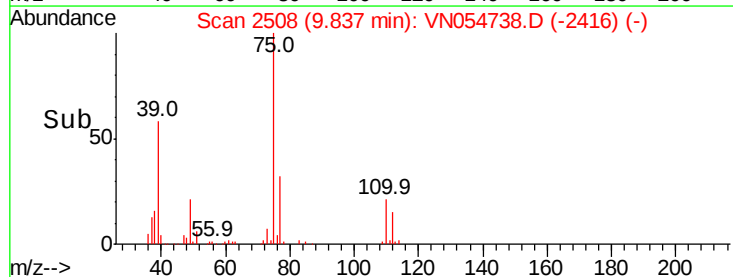
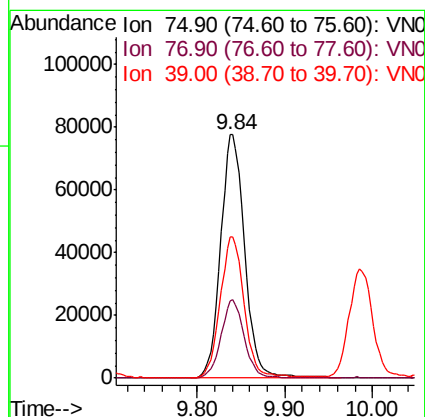
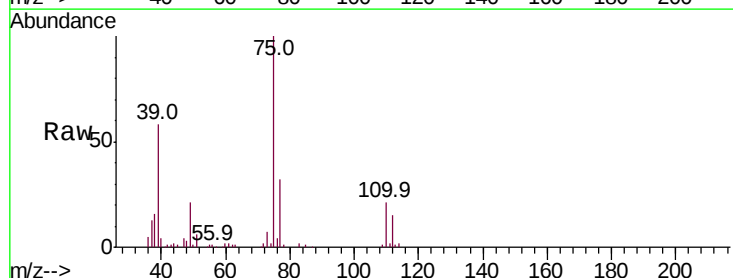
Tgt Ion: 75 Resp: 148452

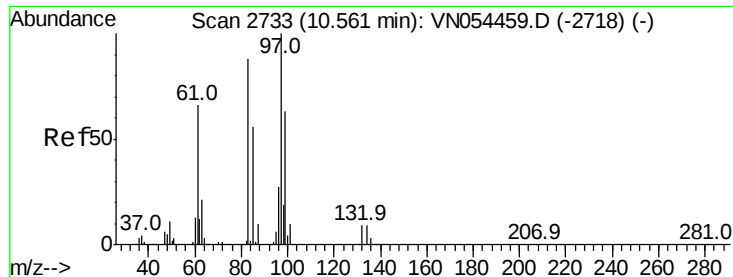
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 57.9 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.720 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

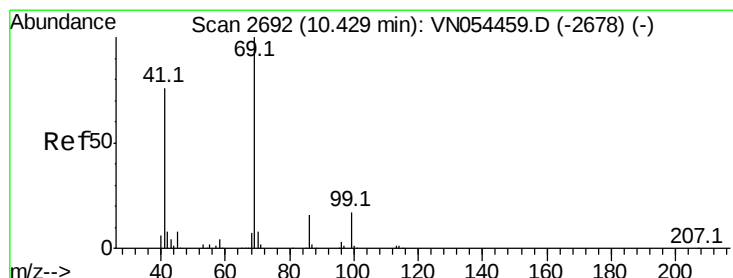
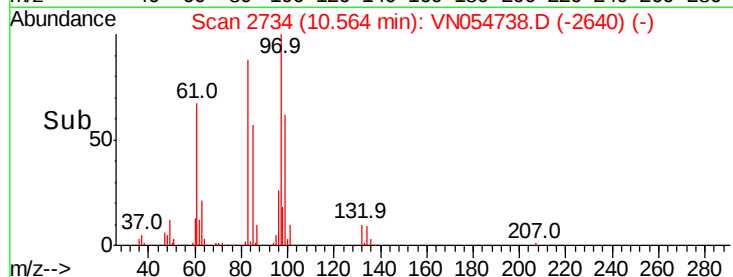
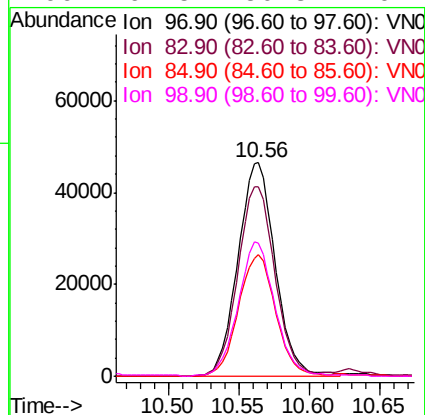
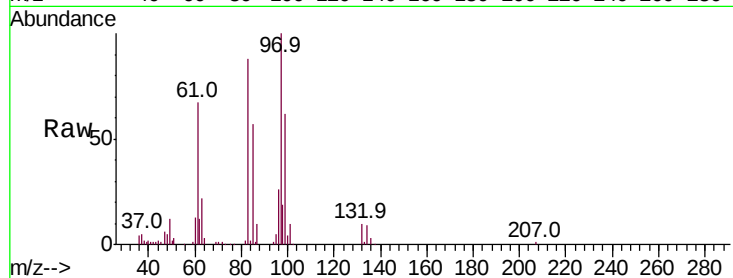
ClientSampleId :

VN0328WBSD01

Tot Ion:	97	Resp:	86377
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.6	100.0
85	56.8	44.4	66.6
99	62.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 20.571 ug/l

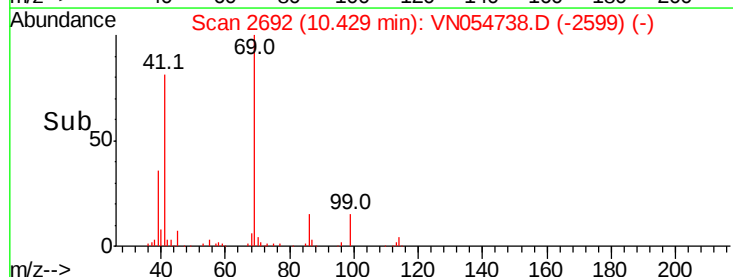
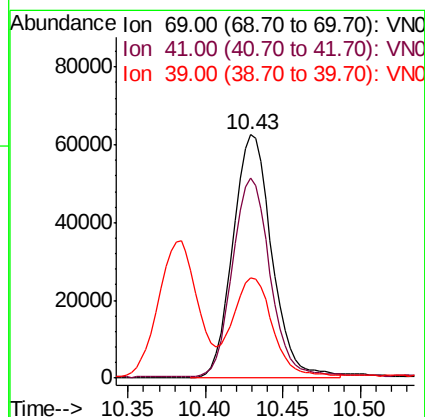
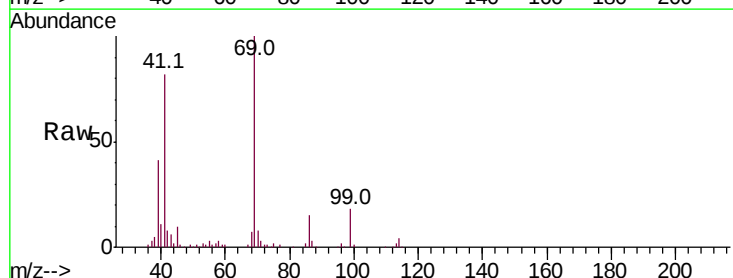
RT: 10.43 min Scan# 2692

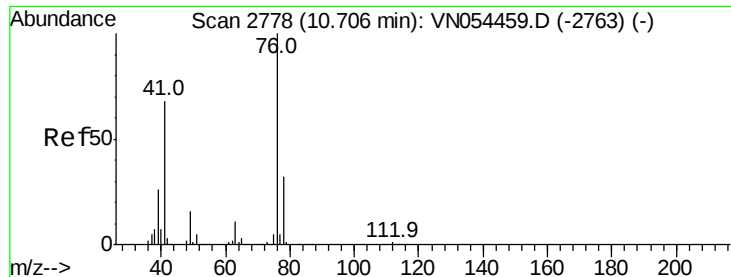
Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	69	Resp:	109804
Ion	Ratio	Lower	Upper
69	100		
41	79.0	49.4	74.2#
39	41.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 22.277 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 76 Resp: 154001

Ion Ratio Lower Upper

76 100

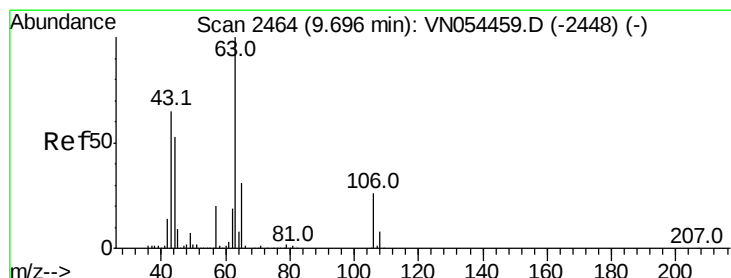
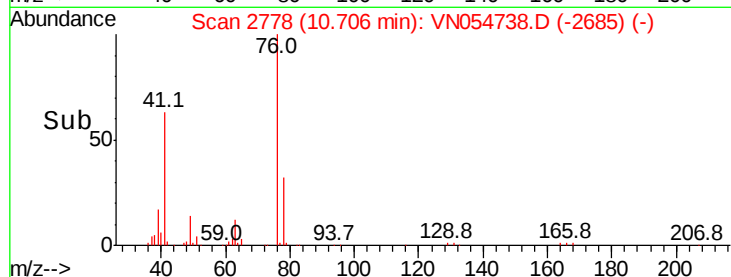
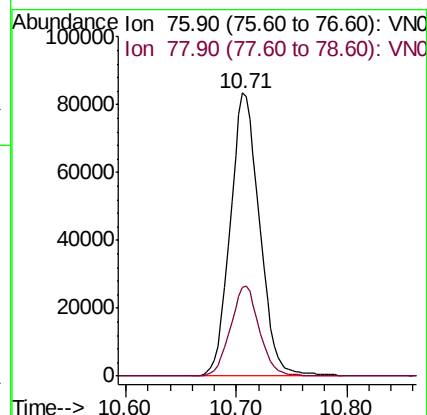
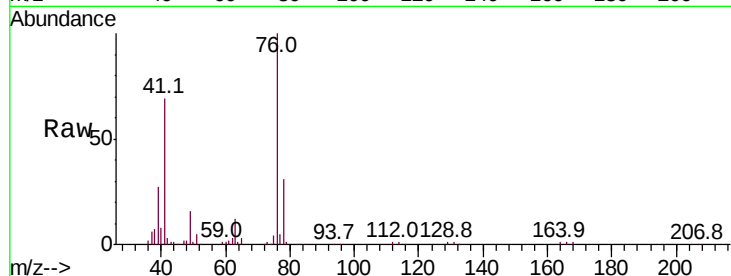
78 31.4 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 89.884 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054738.D

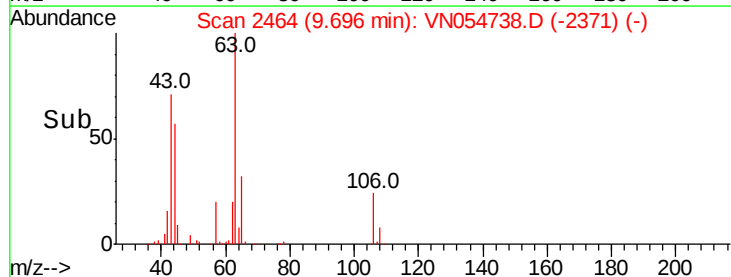
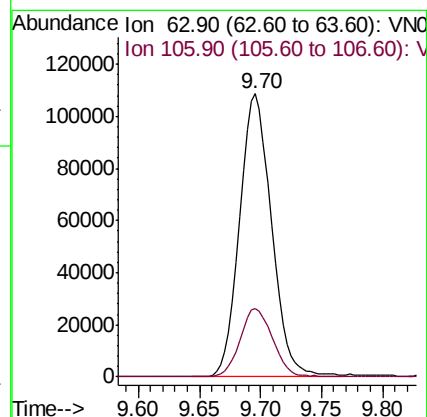
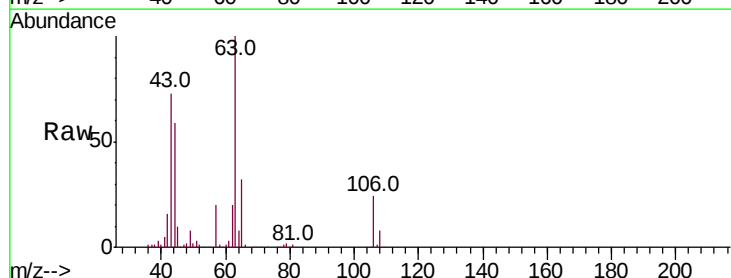
Acq: 28 Mar 2019 12:28

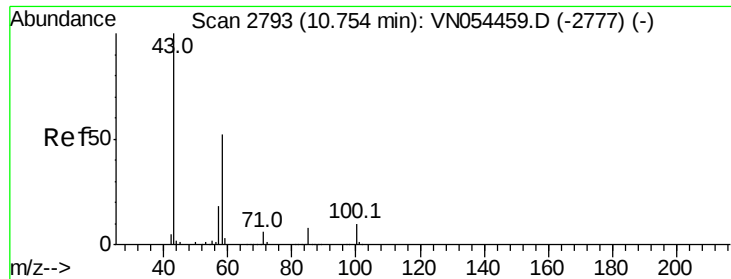
Tgt Ion: 63 Resp: 197561

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6





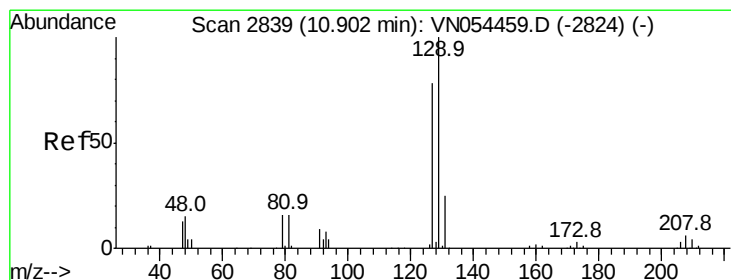
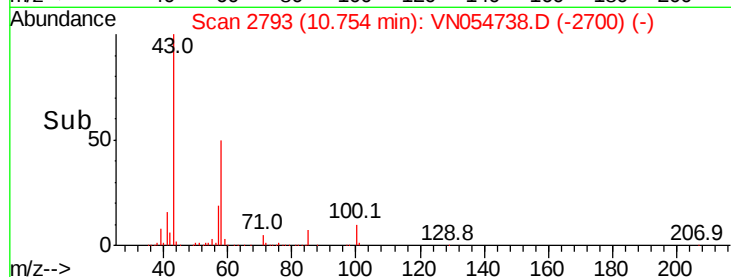
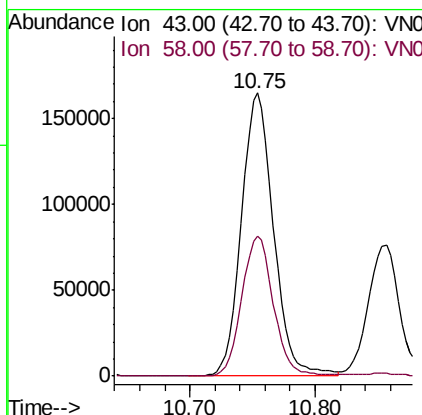
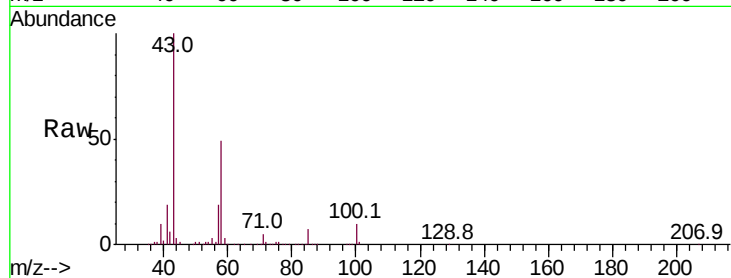
#59
2-Hexanone
Concen: 106.436 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion: 43 Resp: 291127
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9

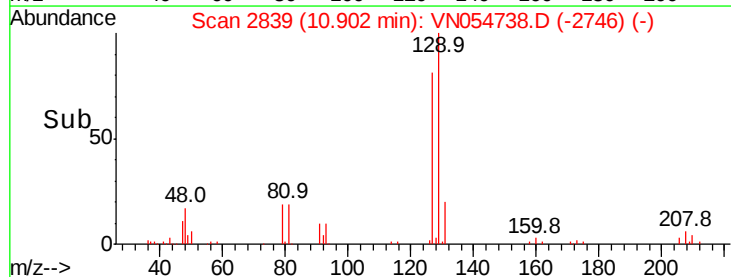
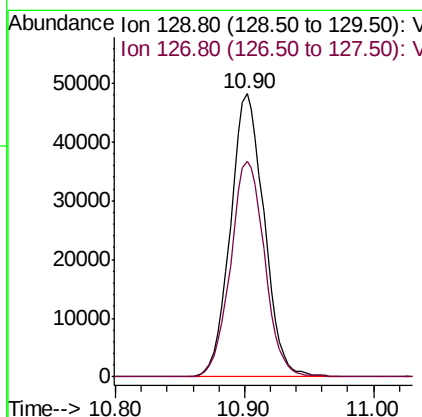
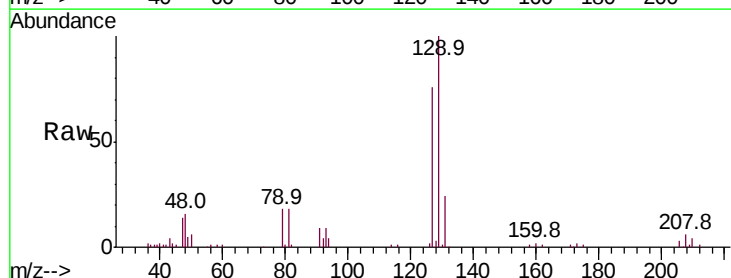
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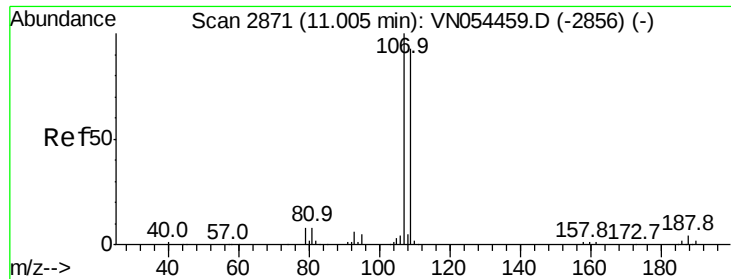
MMDadoda
3/29/2019 9:49:33 AM



#60
Dibromochloromethane
Concen: 20.658 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion: 129 Resp: 87420
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.895 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion:107 Resp: 82151

Ion Ratio Lower Upper

107 100

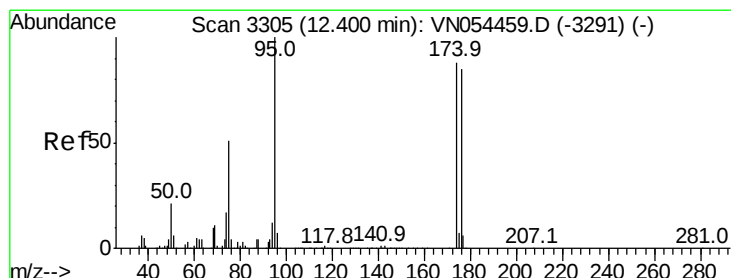
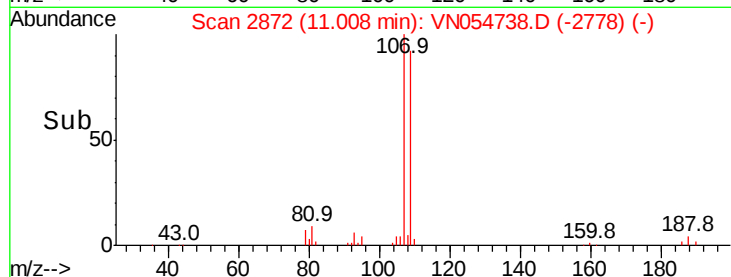
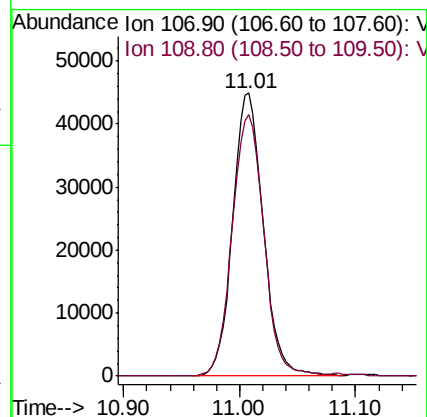
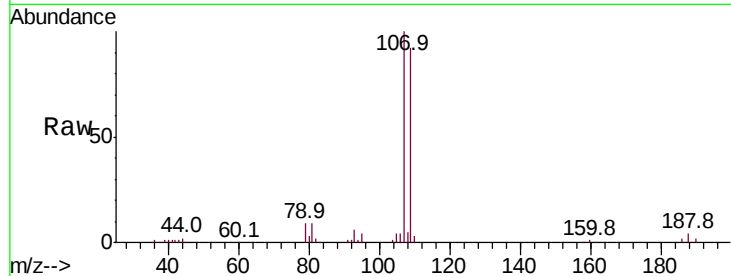
109 95.5 75.9 113.9

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3/29/2019 9:49:33 AM



#62

4-Bromofluorobenzene

Concen: 46.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

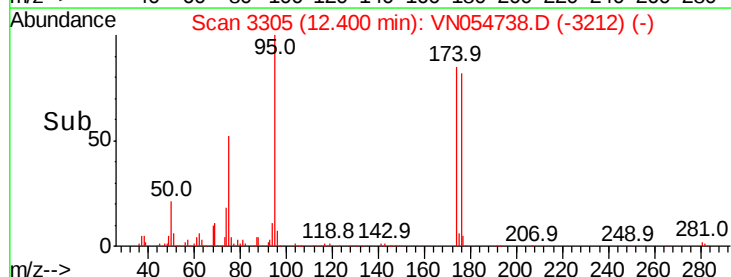
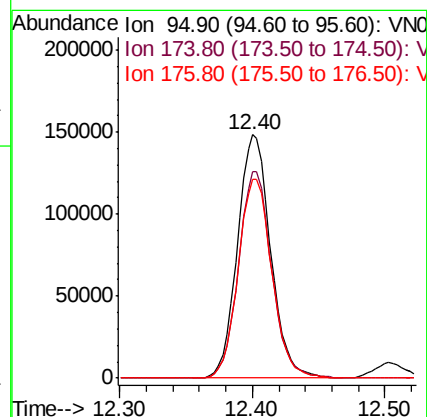
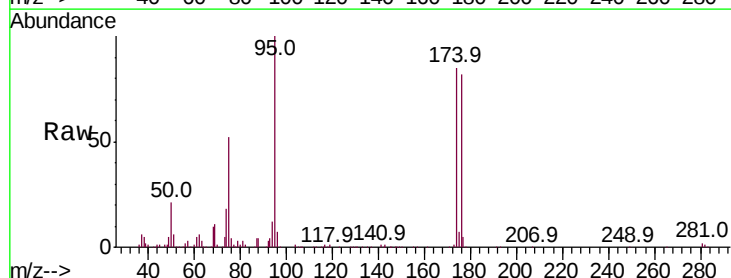
Tgt Ion: 95 Resp: 256773

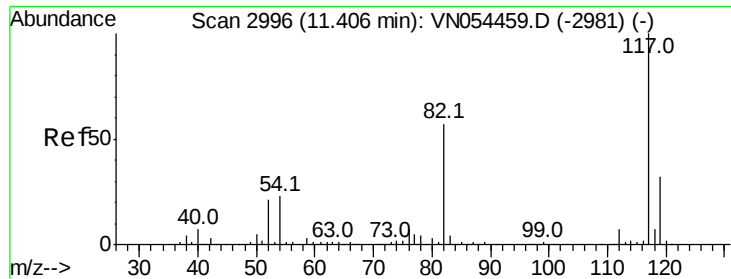
Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

176 83.6 0.0 187.4





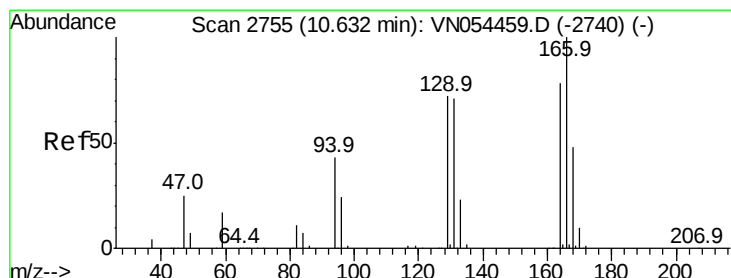
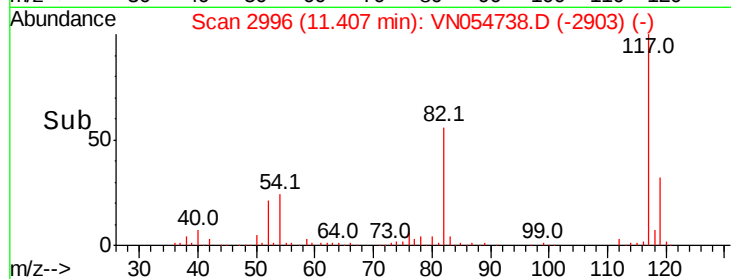
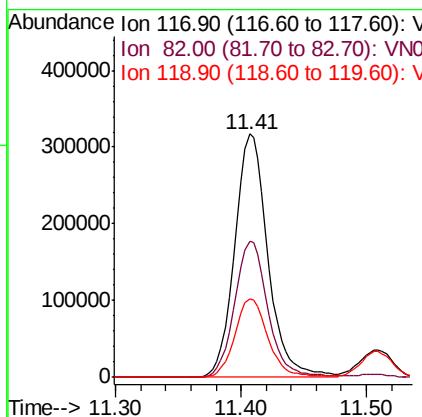
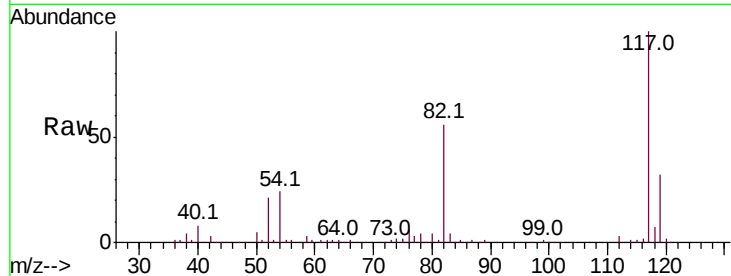
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	40.0	60.0
119	32.4	25.8	38.6

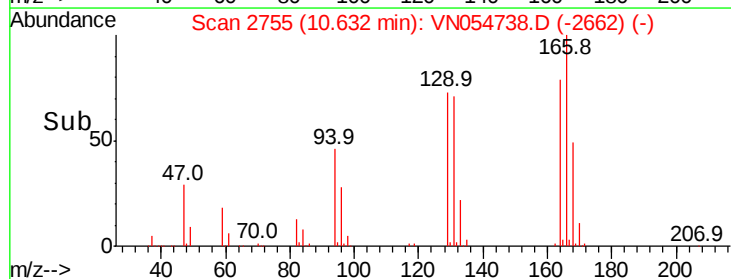
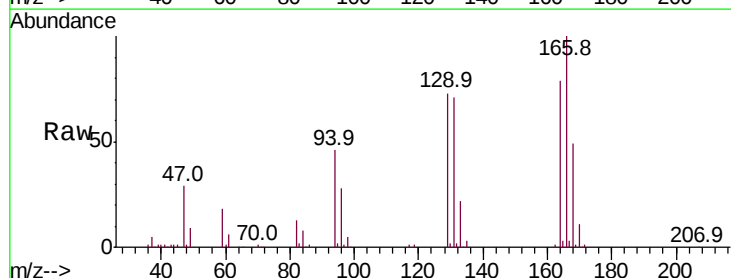
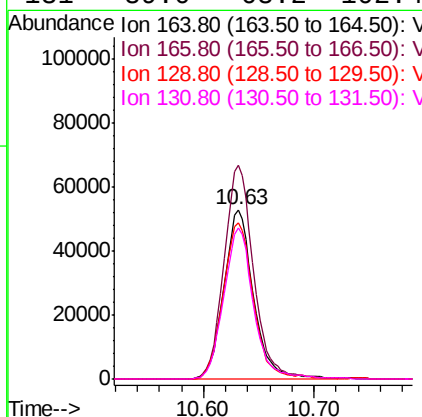
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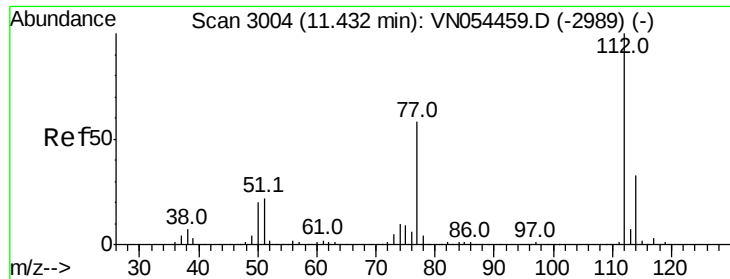
MMDadoda
3/29/2019 9:49:33 AM



#64
Tetrachloroethene
Concen: 20.310 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.9	155.9
129	91.9	71.1	106.7
131	89.0	68.2	102.4





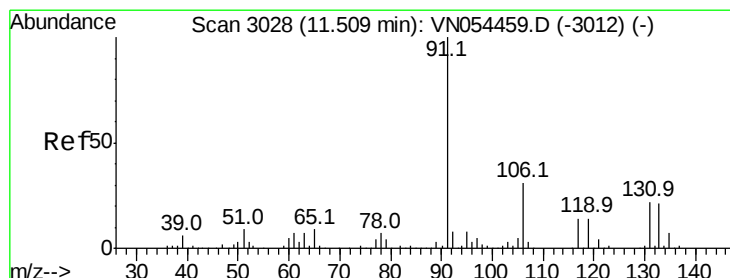
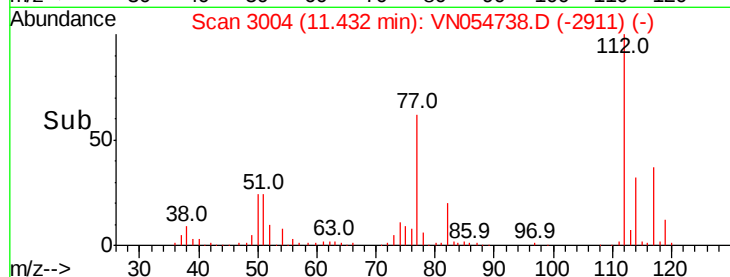
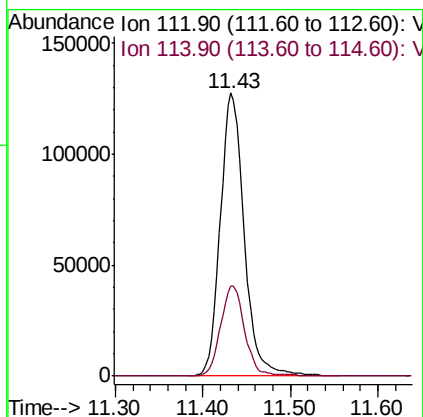
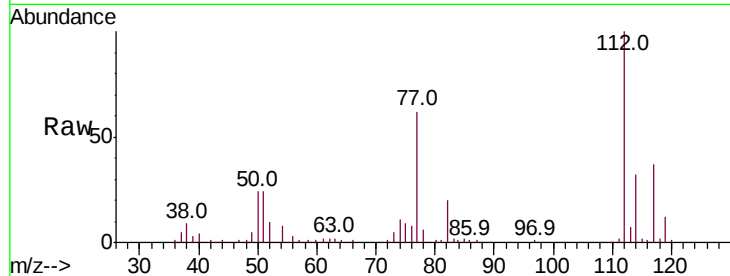
#65
Chlorobenzene
Concen: 20.505 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0328WBSD01

Tot Ion:112 Resp: 242718
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

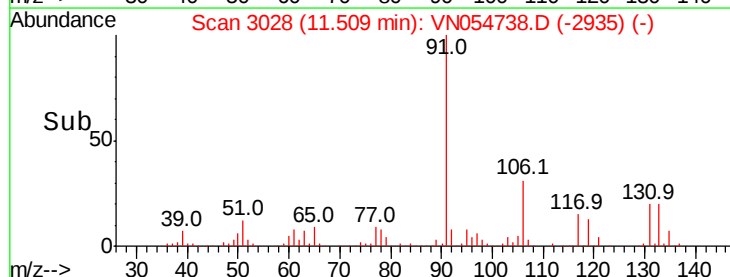
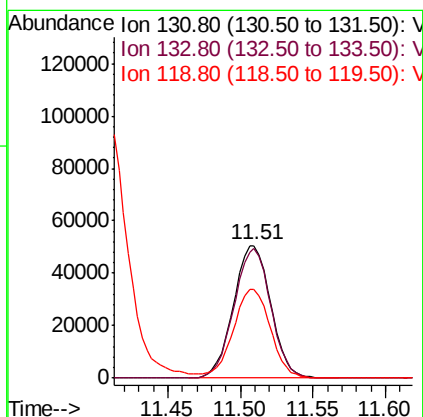
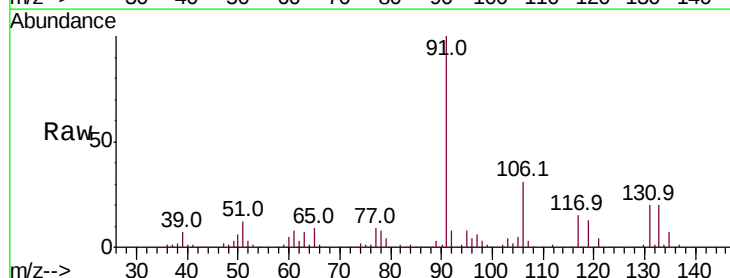
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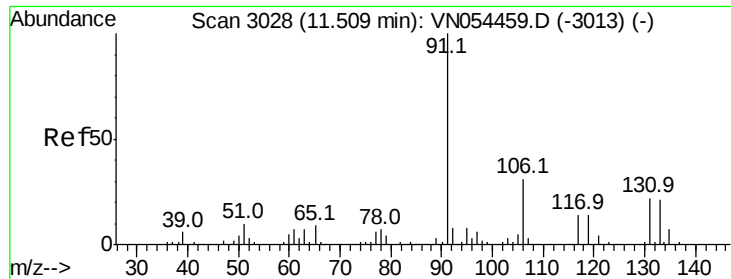
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3/29/2019 9:49:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.284 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion:131 Resp: 90428
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 67.1 32.4 97.0





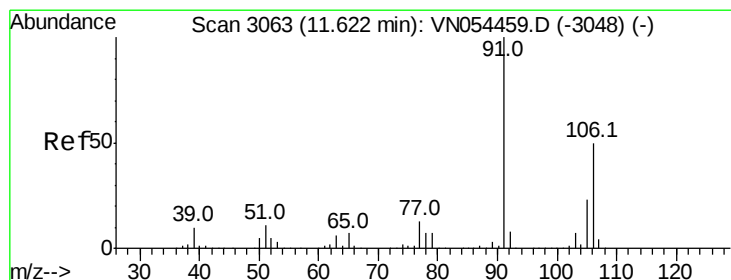
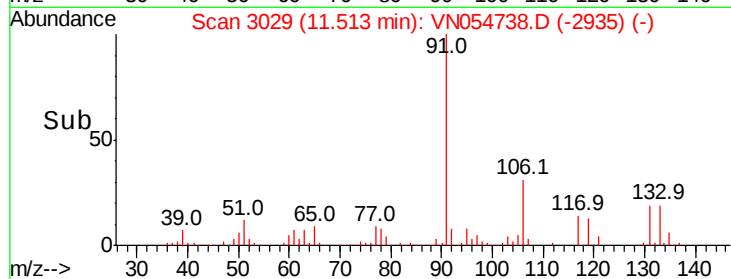
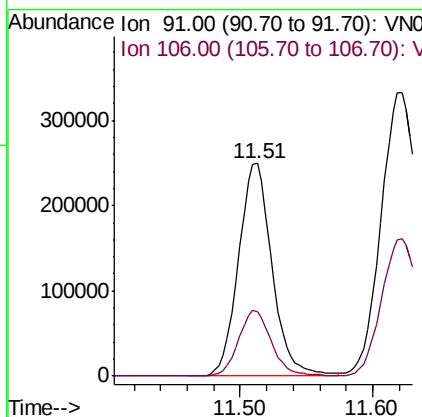
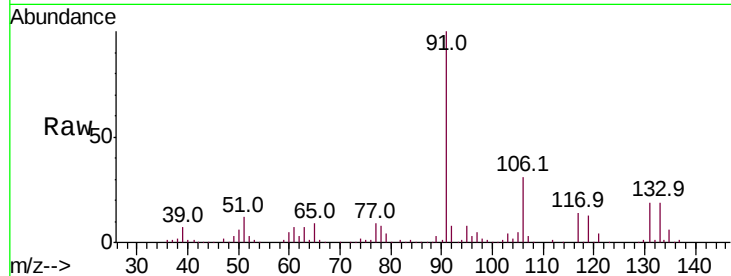
#67
Ethyl Benzene
Concen: 21.081 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0328WBSD01

Tot Ion: 91 Resp: 440781
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

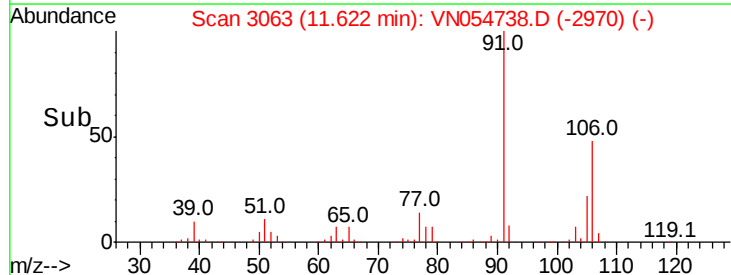
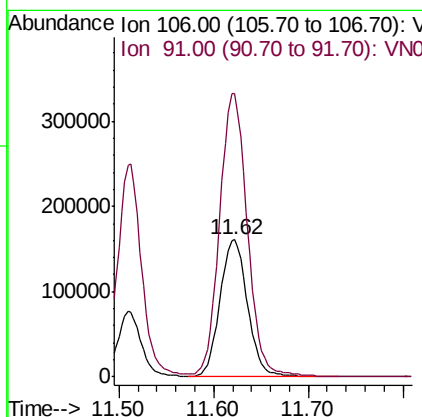
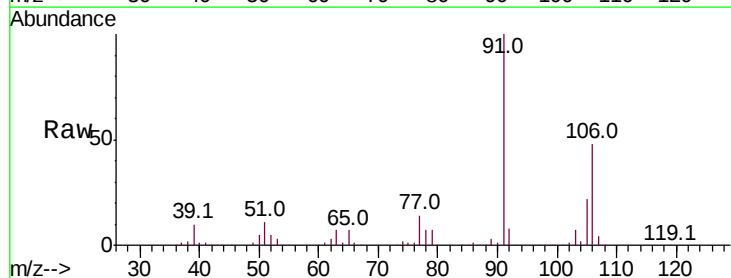
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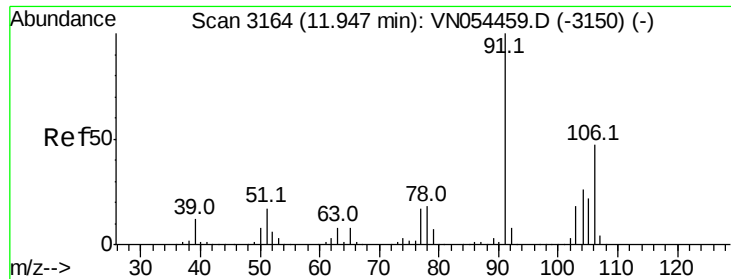
MMDadoda
3/29/2019 9:49:33 AM



#68
m/p-Xylenes
Concen: 41.386 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion: 106 Resp: 327768
Ion Ratio Lower Upper
106 100
91 206.8 159.4 239.2





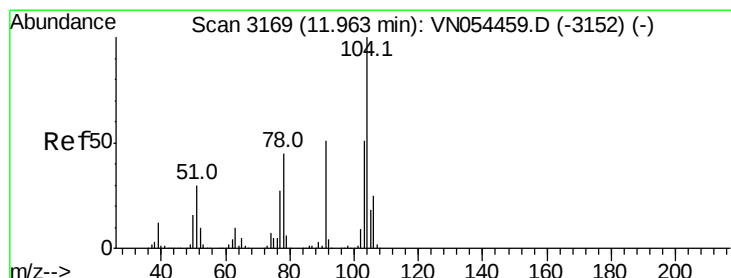
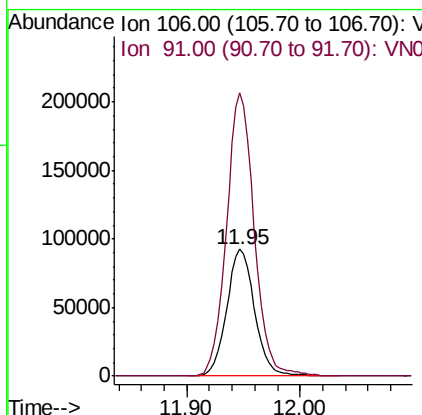
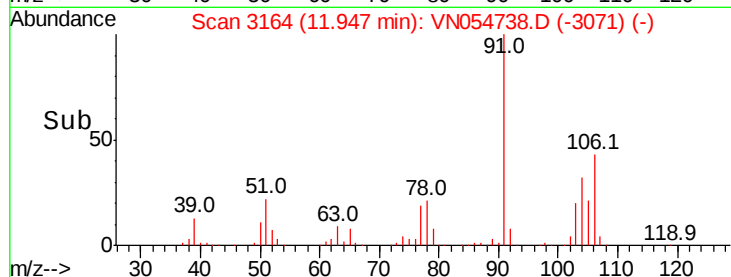
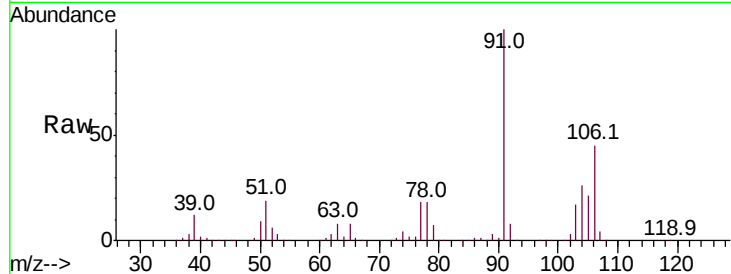
#69
o-Xylene
Concen: 20.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion:106 Resp: 158434
Ion Ratio Lower Upper
106 100
91 221.9 105.7 317.1

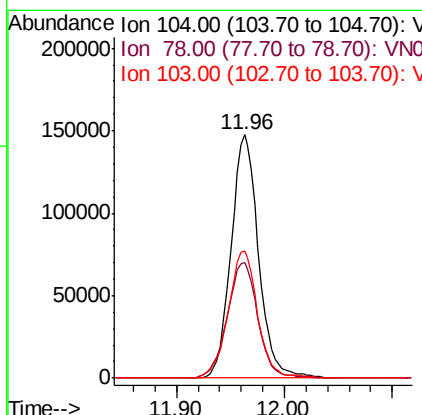
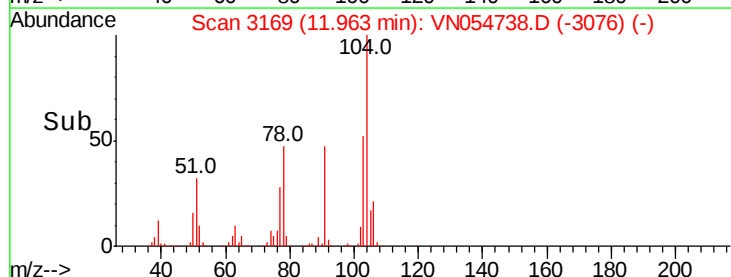
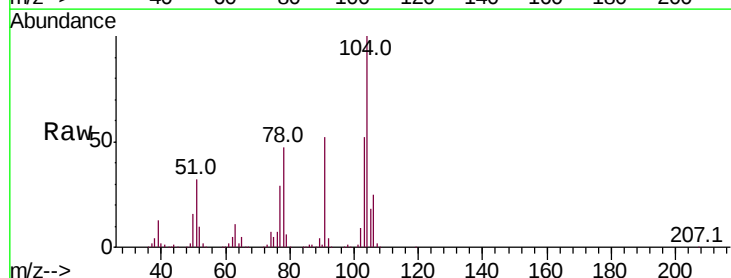
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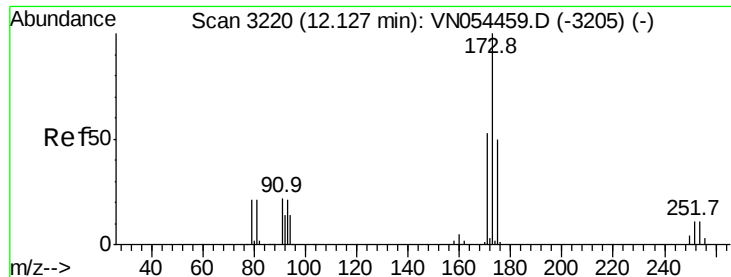
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#70
Styrene
Concen: 20.865 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion:104 Resp: 262071
Ion Ratio Lower Upper
104 100
78 53.0 38.2 57.2
103 55.8 44.4 66.6





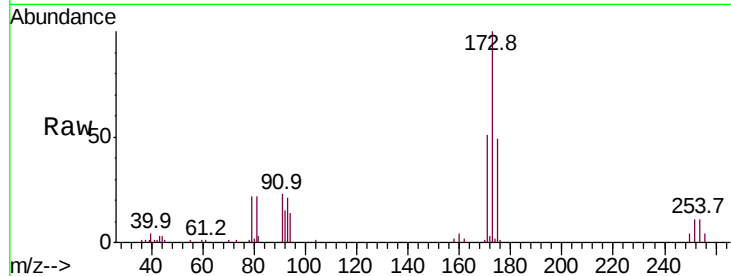
#71
Bromoform
Concen: 19.199 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.4	73.2
254	0.0	0.1	0.1#

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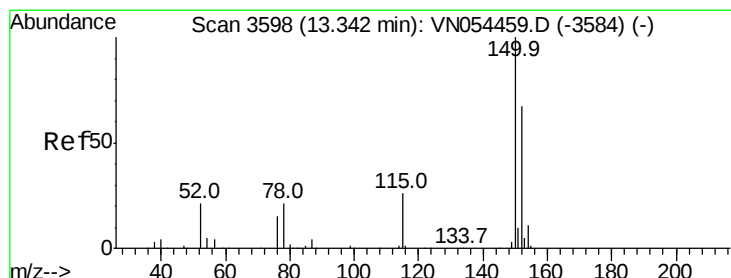
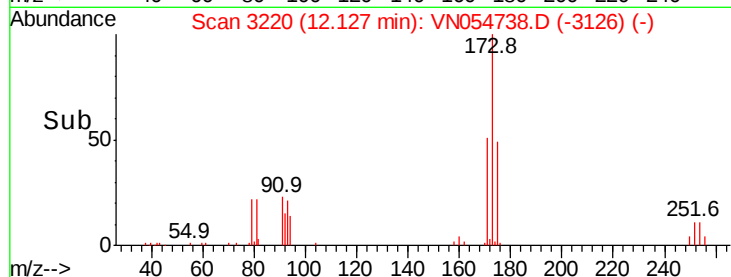
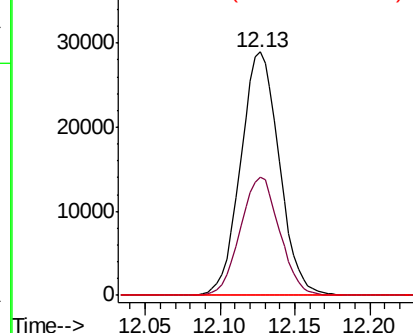


Abundance

Ion 172.70 (172.40 to 173.40): V

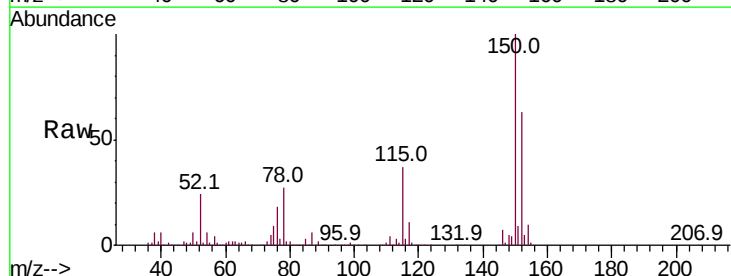
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	27.2	81.6
150	162.9	0.0	349.2

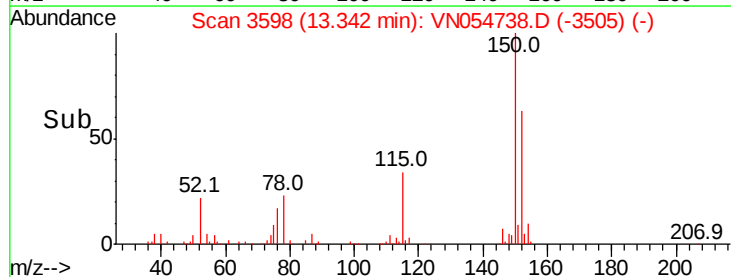
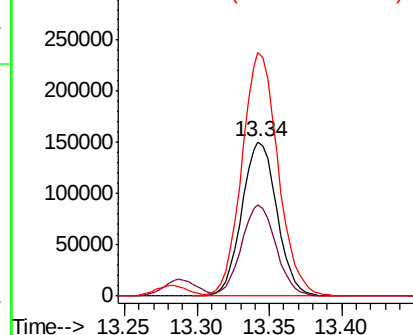


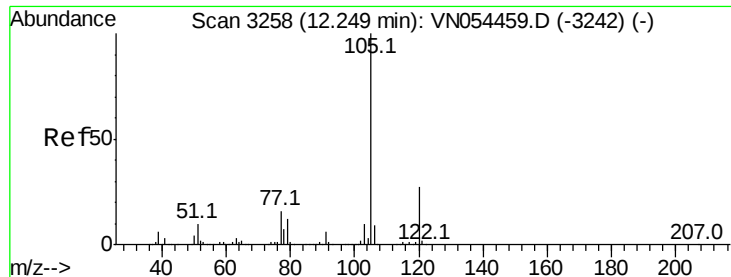
Abundance

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





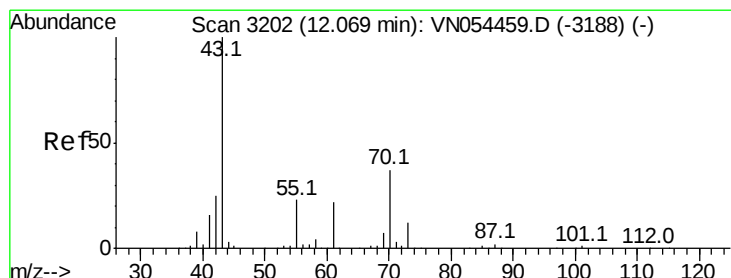
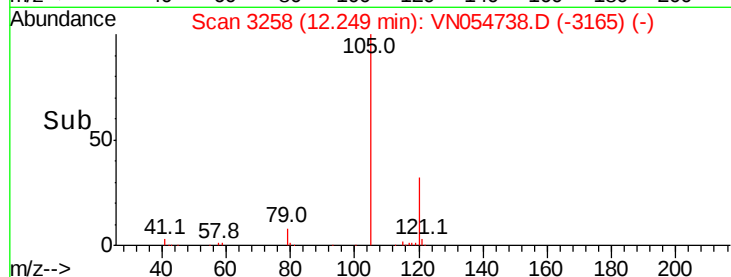
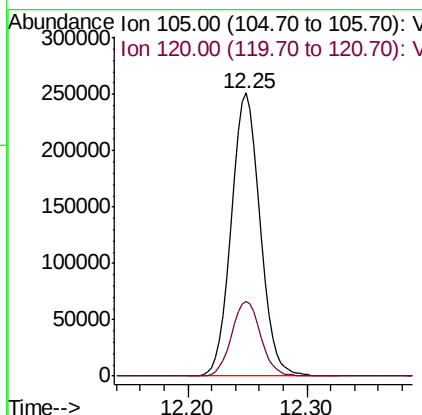
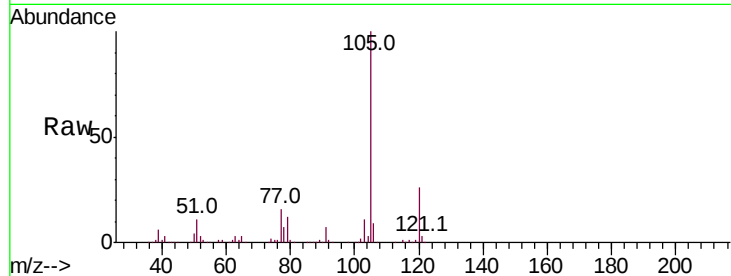
#73
Isopropylbenzene
Concen: 20.671 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.8	41.3

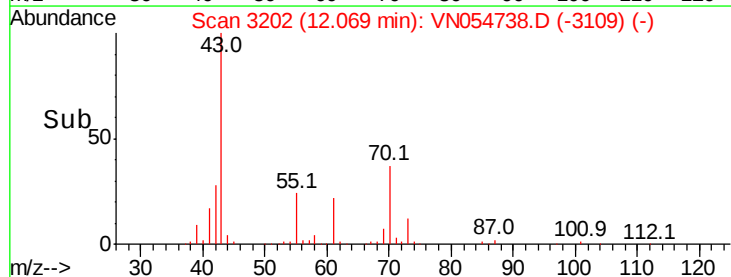
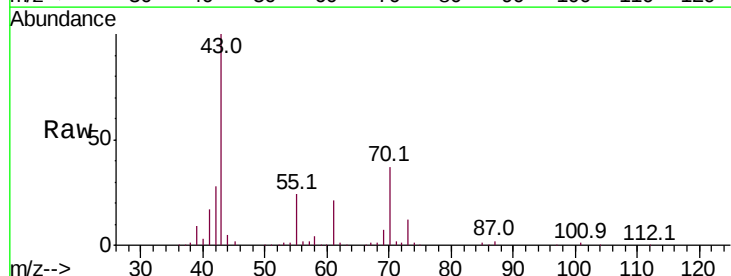
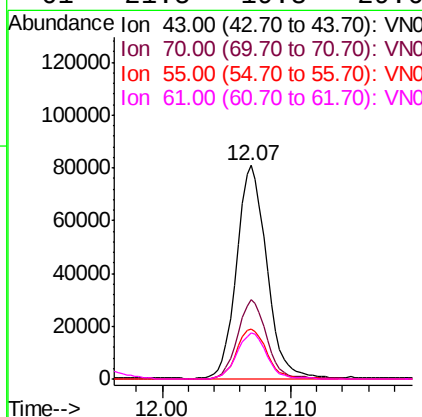
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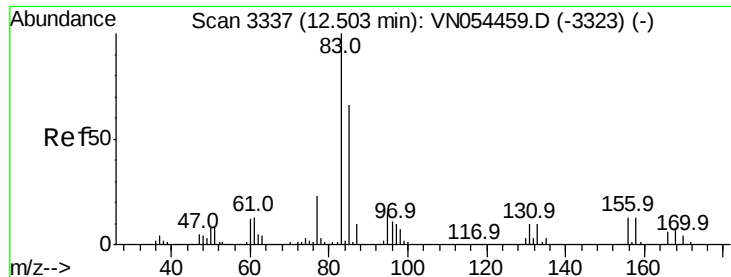
MMDadoda
3/29/2019 9:49:33 AM



#74
N-ethyl acetate
Concen: 22.336 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	35.4	53.0
55	23.9	19.8	29.6
61	21.5	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.363 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

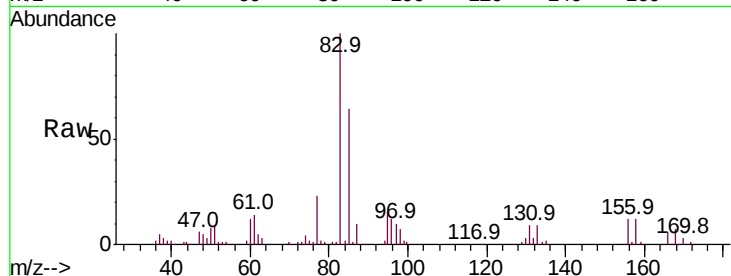
ClientSampleId :

VN0328WBSD01

Tot Ion:	83	Resp:	104015
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	63.5	32.2	96.6

Manual Integrations
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3/29/2019 9:49:33 AM

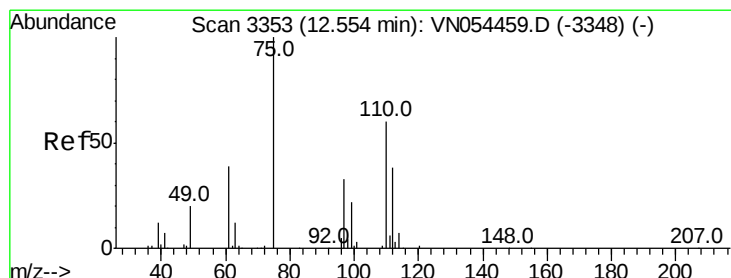
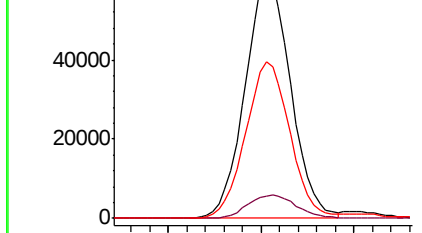
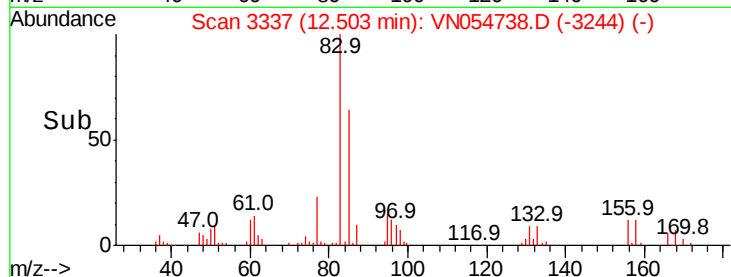


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.457 ug/l m

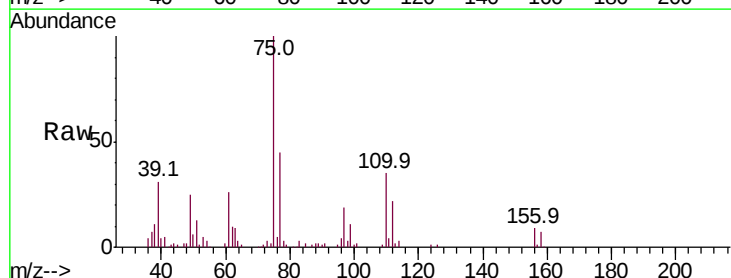
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

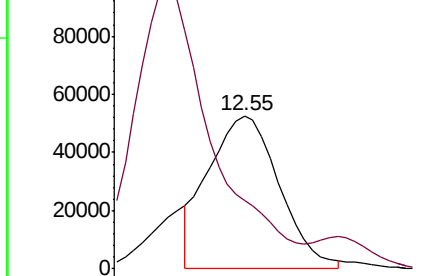
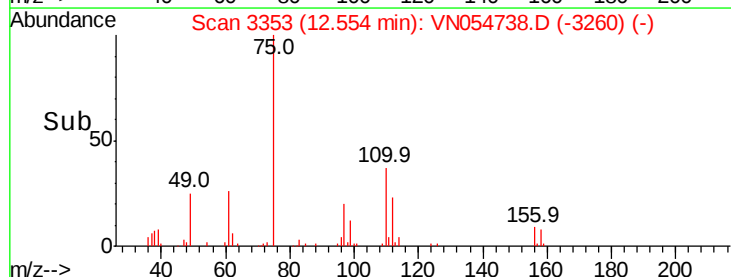
Tgt Ion:	75	Resp:	98132
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

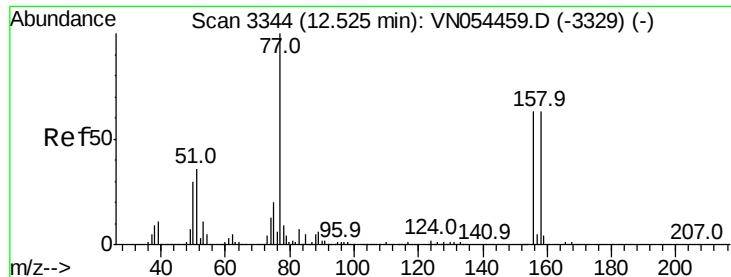


Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 20.057 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

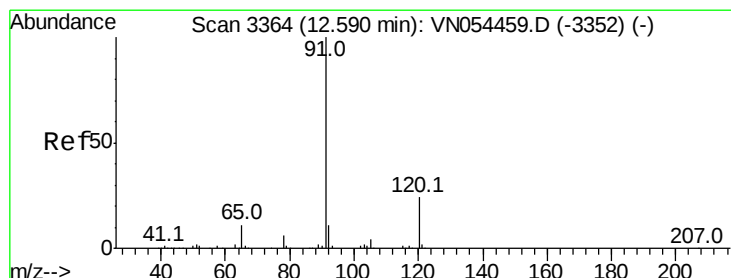
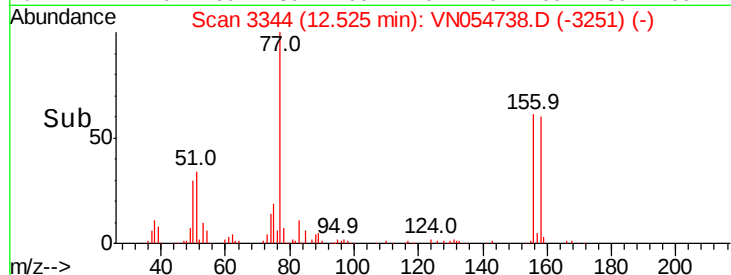
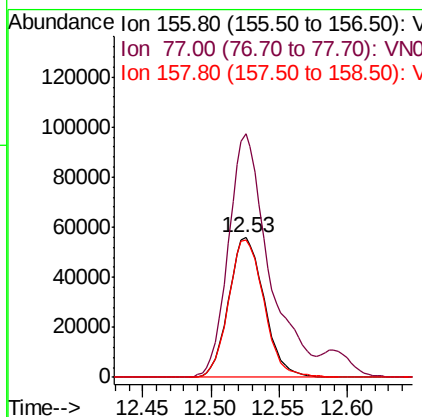
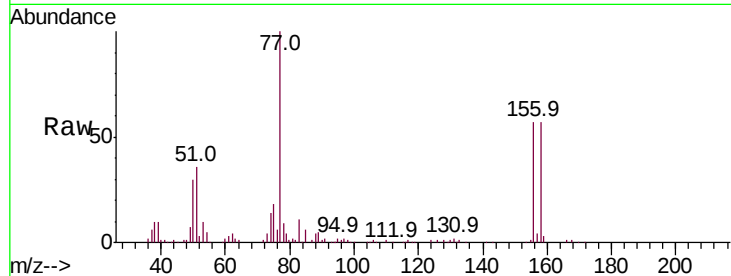
ClientSampleId :

VN0328WBSD01

Tot Ion:	156	Resp:	101354
Ion Ratio	Lower	Upper	
156	100		
77	198.3	81.5	244.4
158	98.0	49.0	147.2

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#78

n-propylbenzene

Concen: 21.372 ug/l

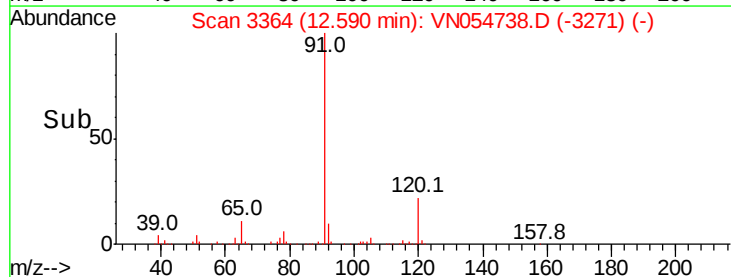
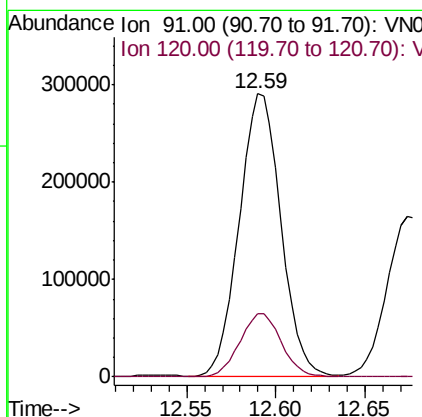
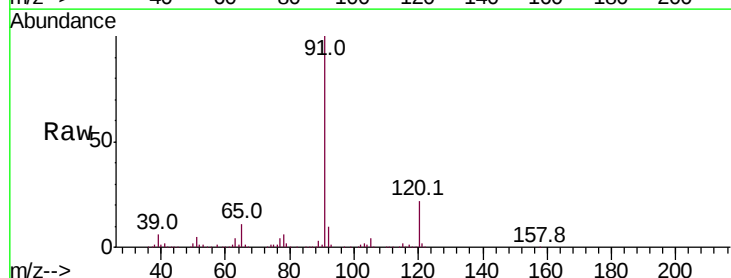
RT: 12.59 min Scan# 3364

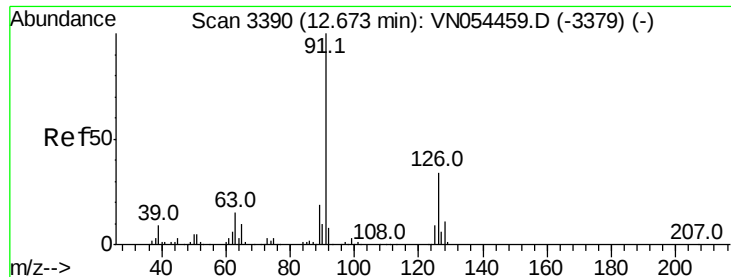
Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	91	Resp:	472213
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.685 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 91 Resp: 284999

Ion Ratio Lower Upper

91 100

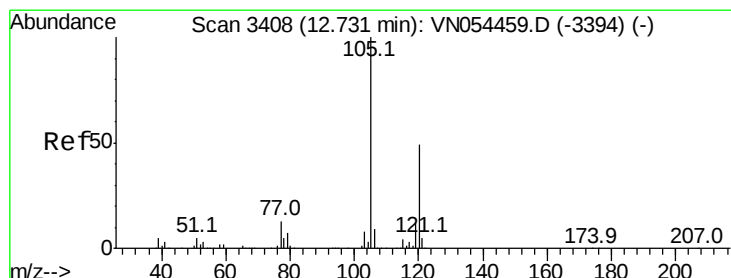
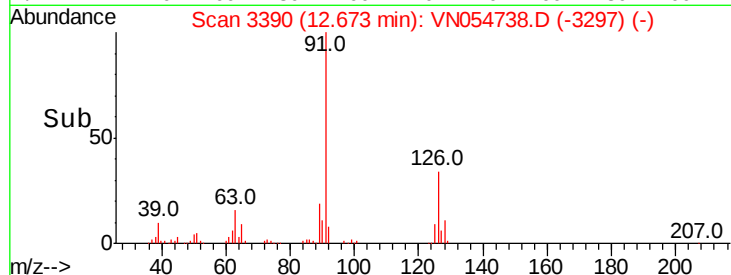
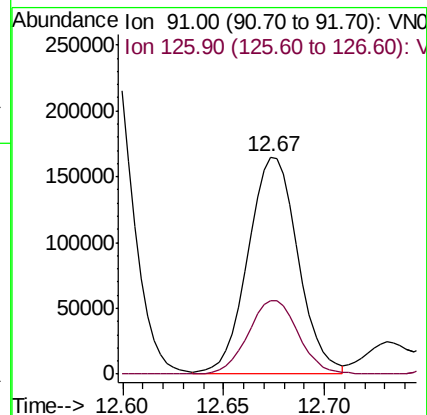
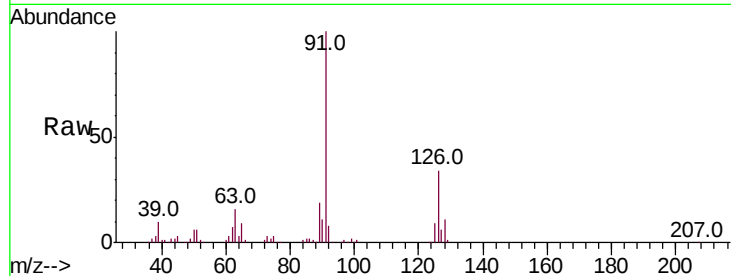
126 34.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.167 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054738.D

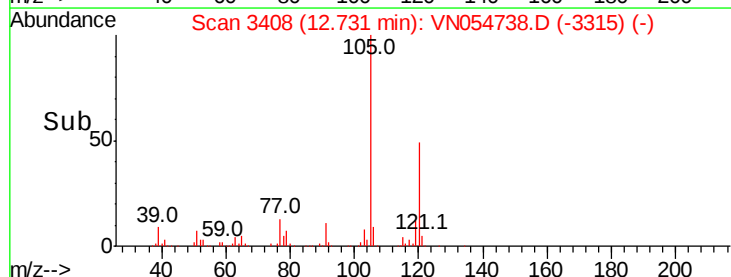
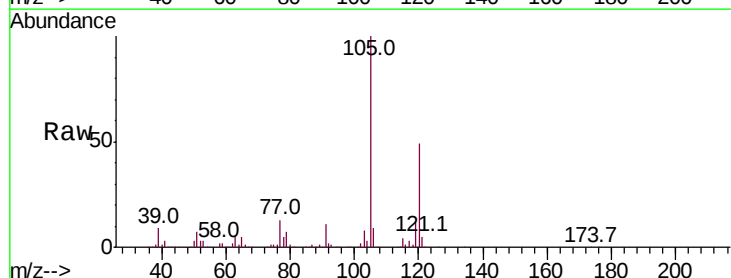
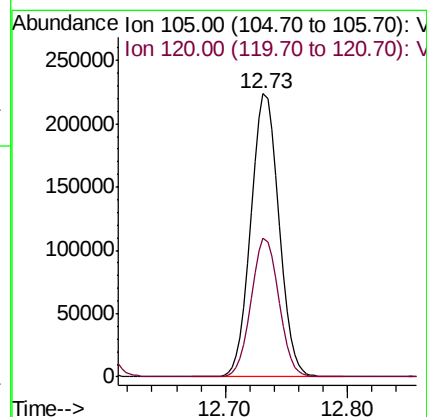
Acq: 28 Mar 2019 12:28

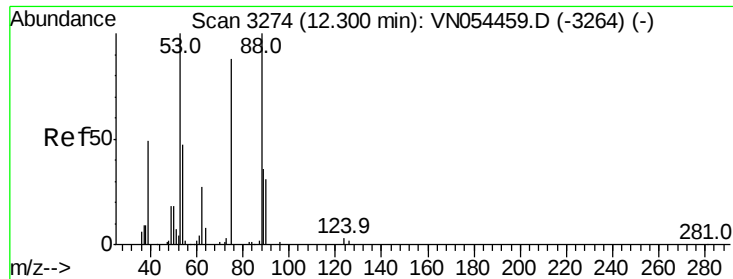
Tgt Ion: 105 Resp: 353485

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.986 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion: 75 Resp: 20896

Ion Ratio Lower Upper

75 100

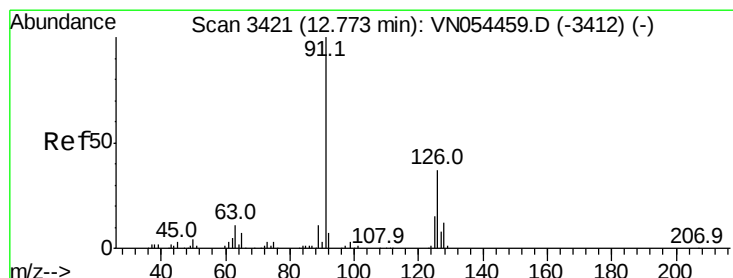
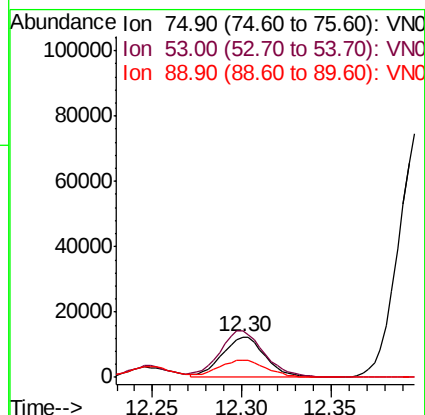
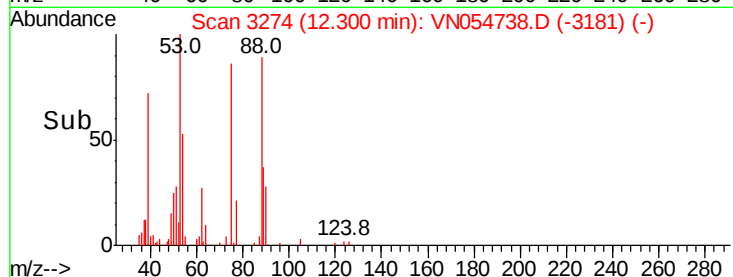
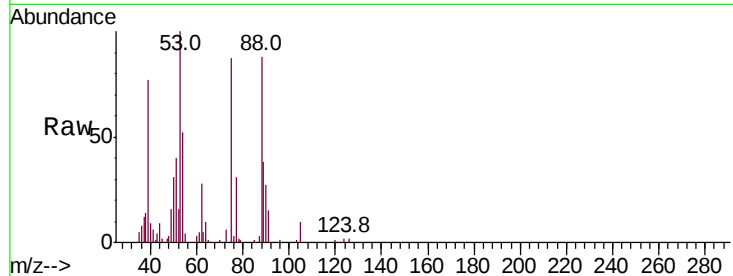
53 120.4 76.2 114.2#

89 46.2 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.305 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054738.D

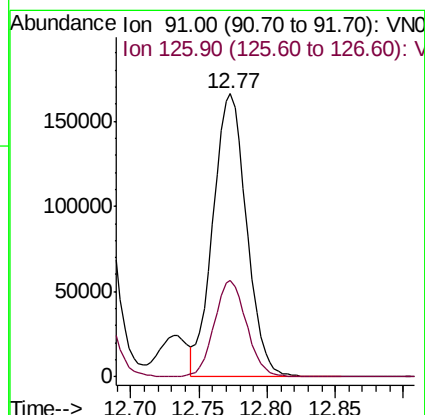
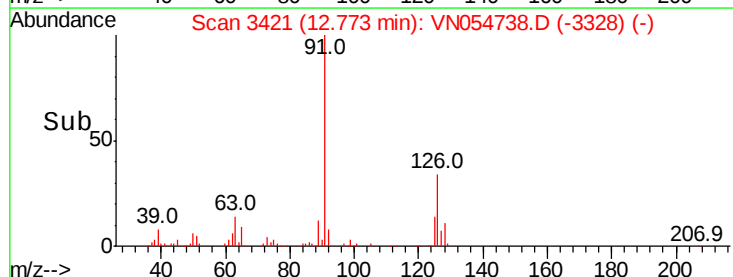
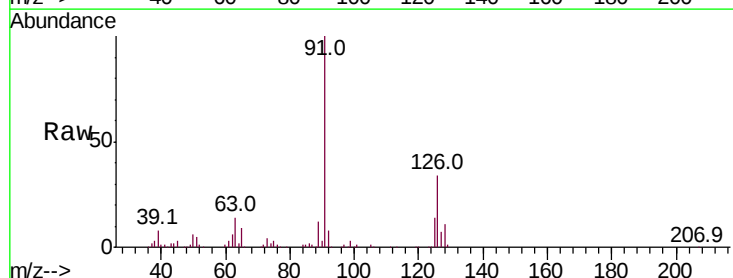
Acq: 28 Mar 2019 12:28

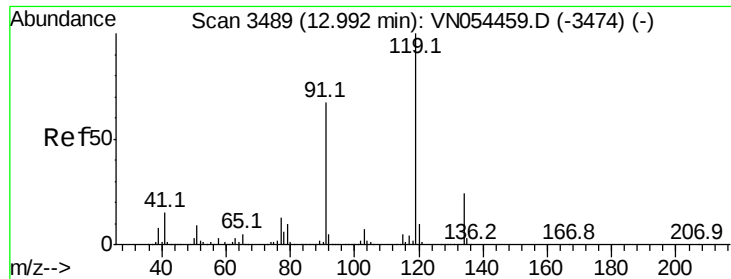
Tgt Ion: 91 Resp: 284529

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1





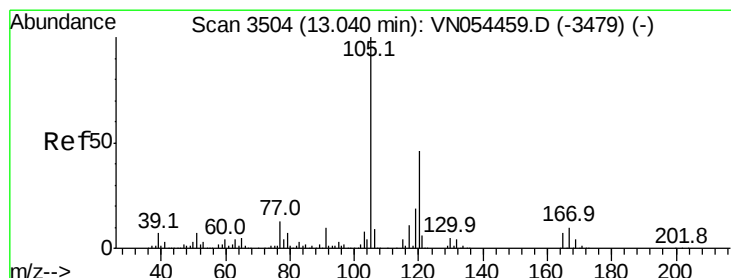
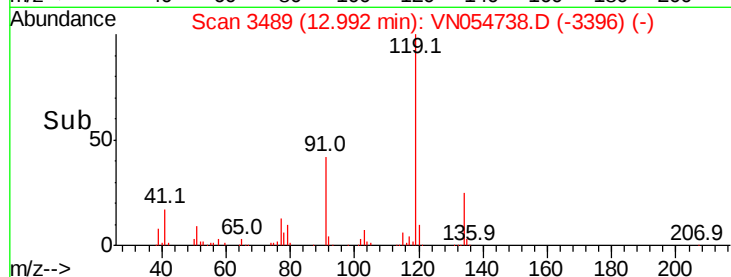
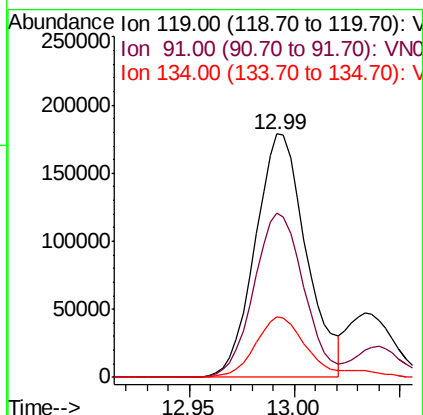
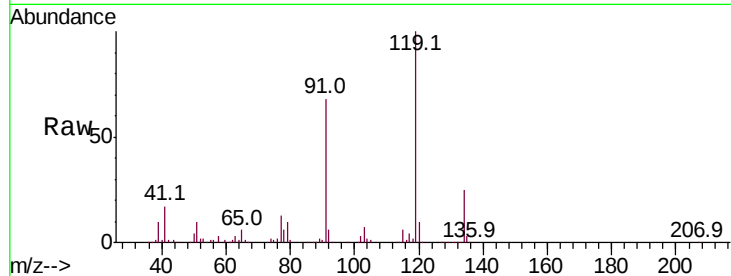
#83
tert-Butylbenzene
Concen: 20.707 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	300998		
91	66.1	30.9	92.8	
134	24.3	13.2	39.6	

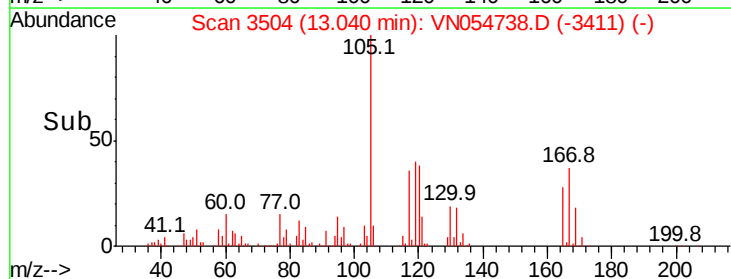
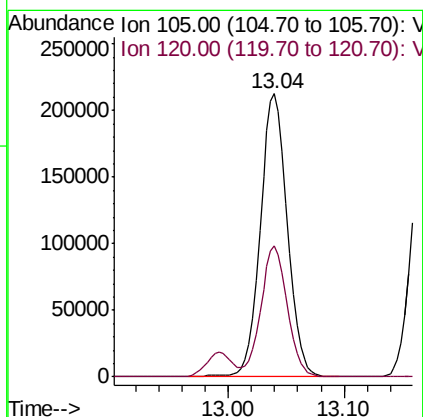
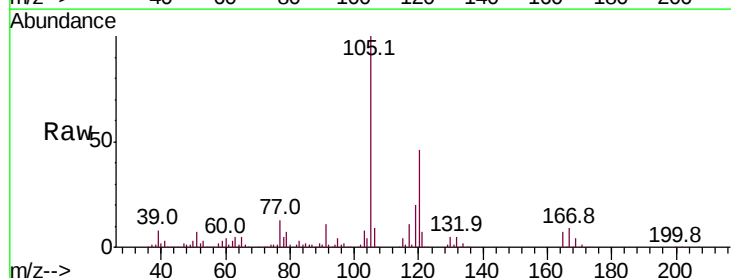
Manual Integrations
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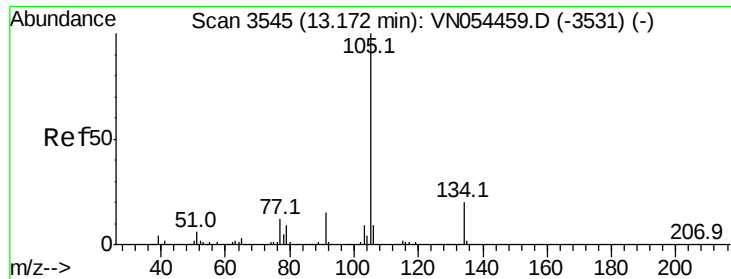
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.036 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344686		
120	45.1	23.4	70.3	





#85

sec-Butylbenzene

Concen: 21.172 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0328WBSD01

Tot Ion:105 Resp: 383647

Ion Ratio Lower Upper

105 100

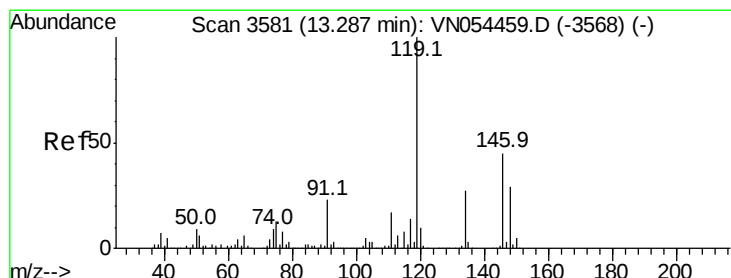
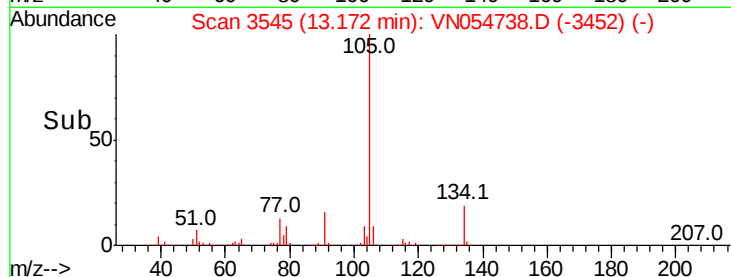
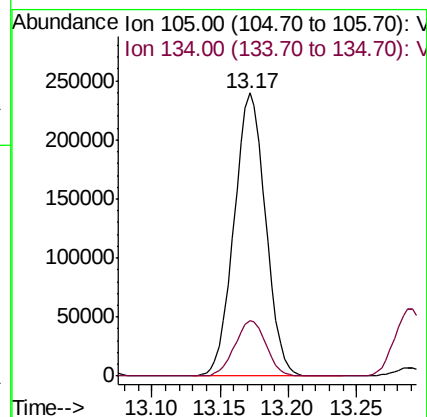
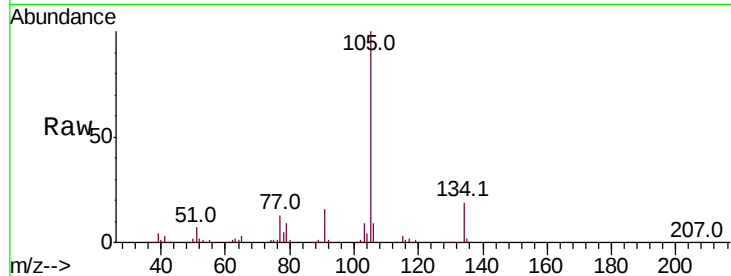
134 19.5 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.777 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

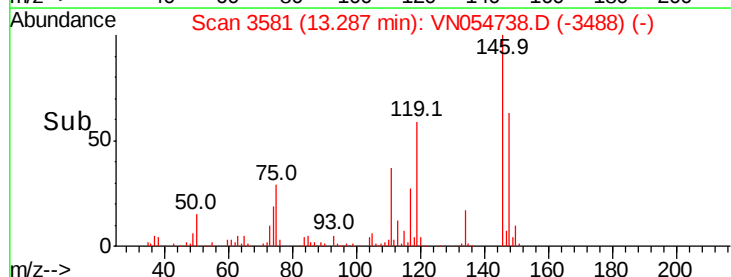
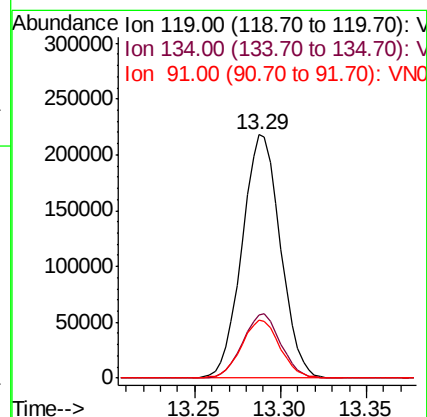
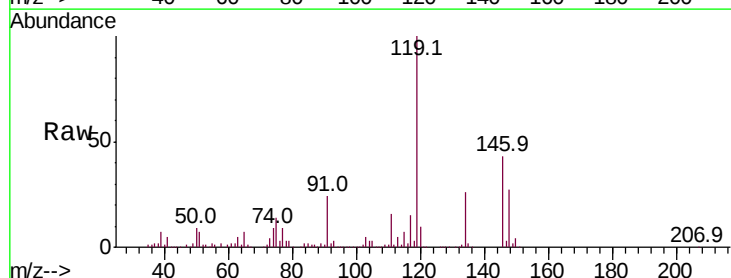
Tgt Ion:119 Resp: 336825

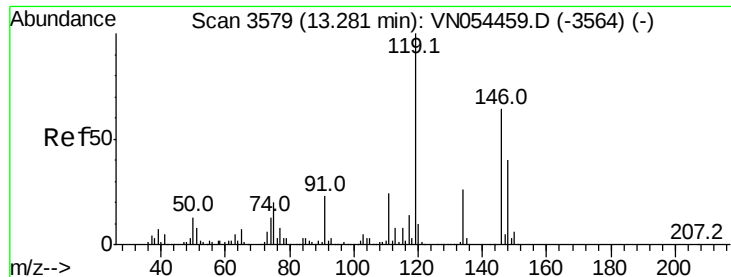
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 24.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.458 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054738.D

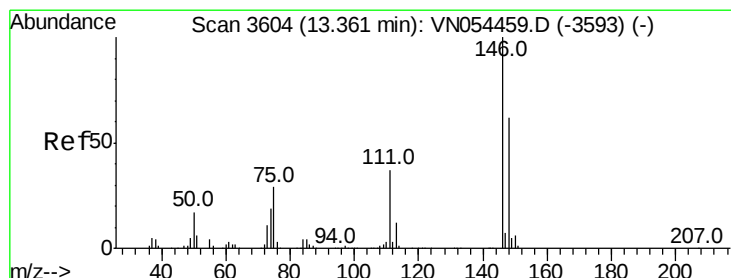
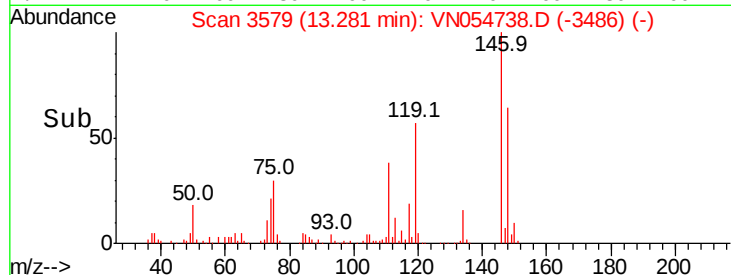
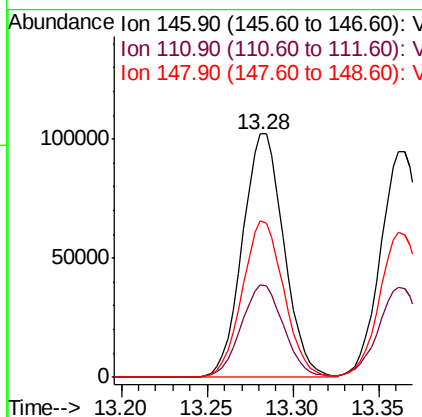
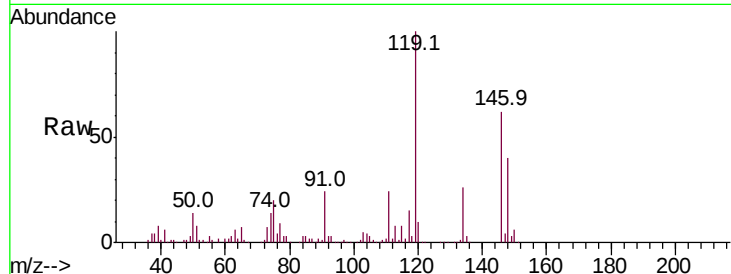
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.8	56.3
148	64.3	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.921 ug/l

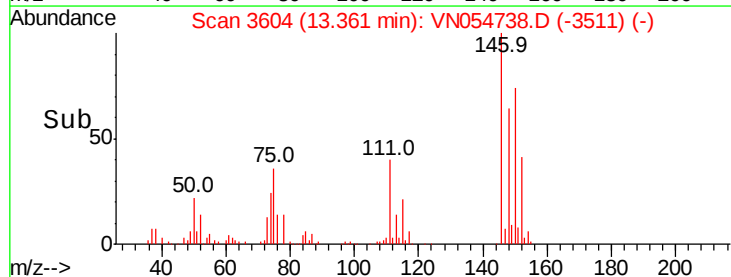
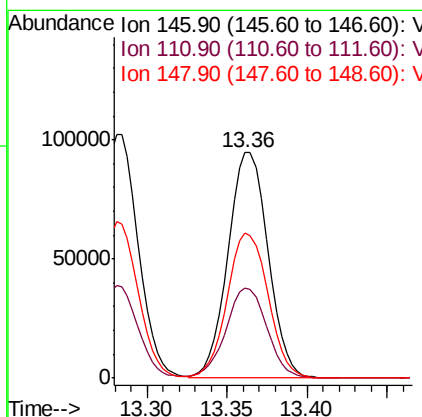
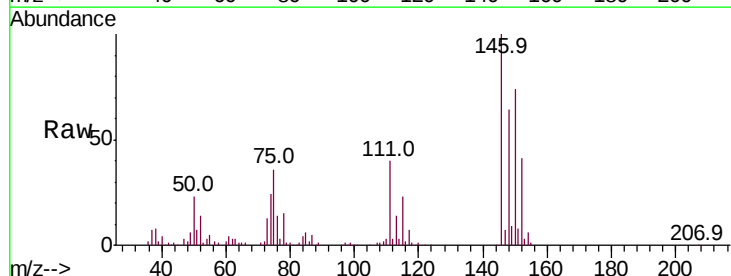
RT: 13.36 min Scan# 3604

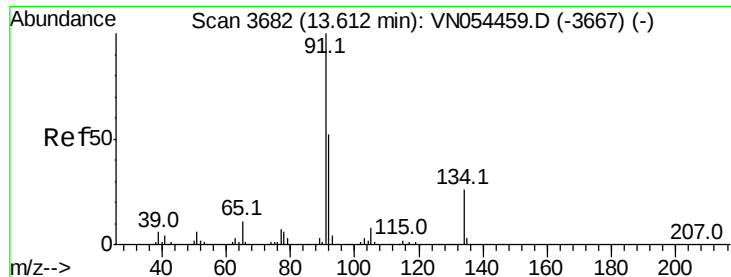
Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.1	54.1
148	65.7	32.0	96.0





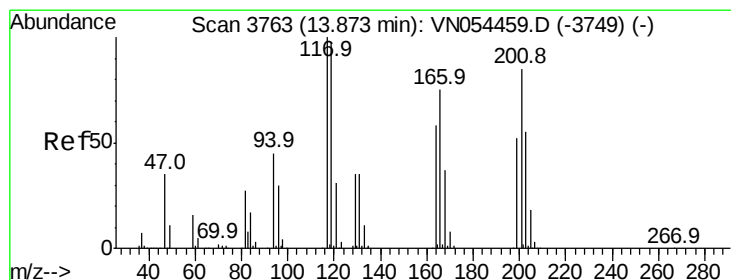
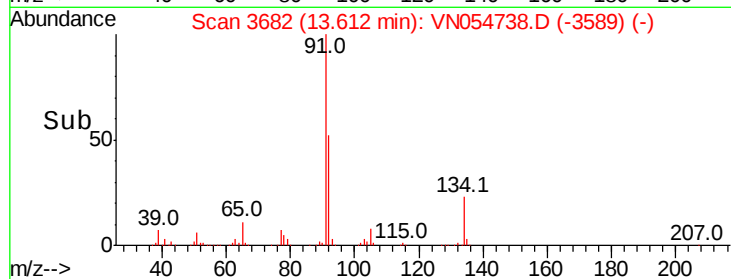
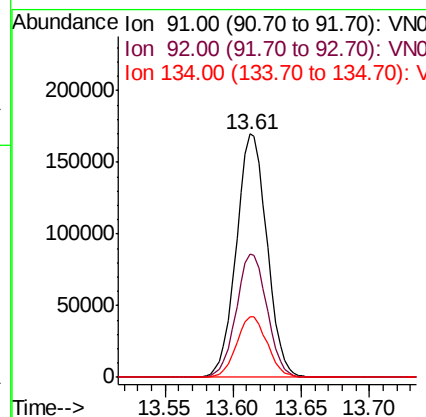
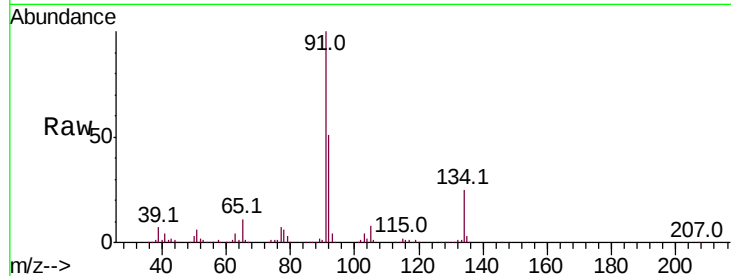
#89
n-Butylbenzene
Concen: 20.893 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.6
134	25.0	14.3	42.9

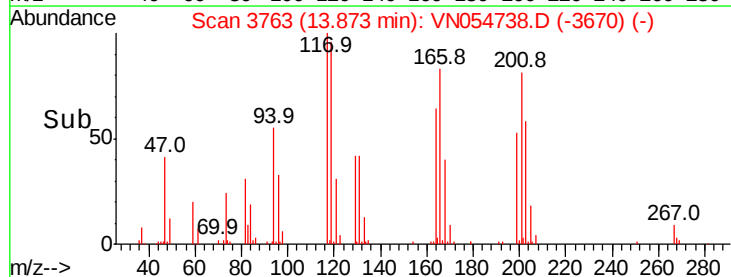
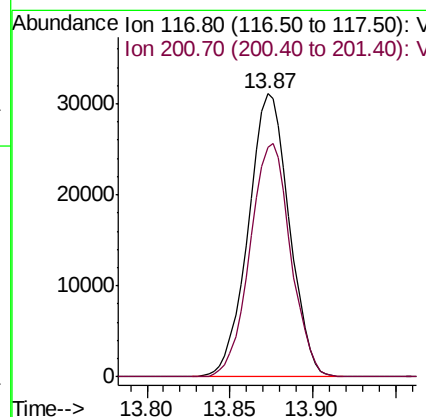
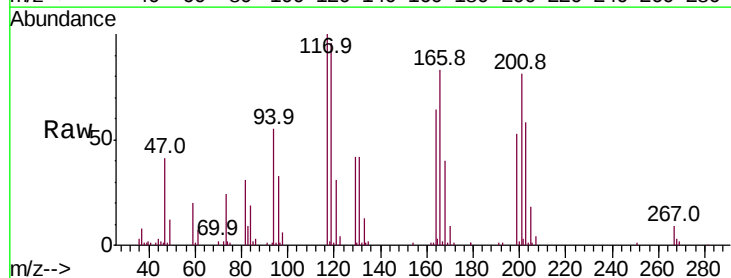
Manual Integrations
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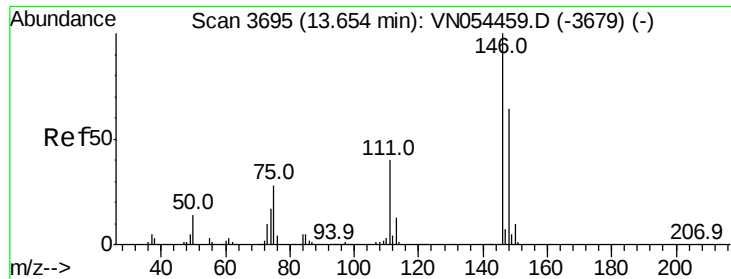
MMDadoda
3/29/2019 9:49:33 AM



#90
Hexachloroethane
Concen: 21.196 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054738.D
Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	48.1	144.4





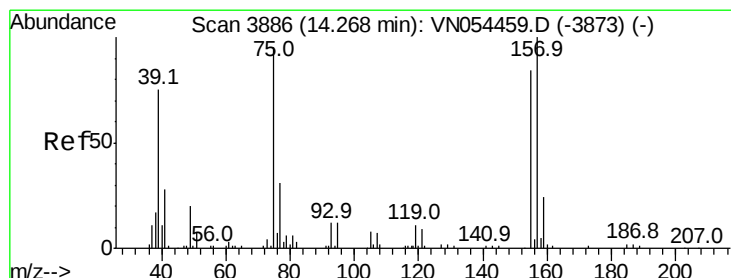
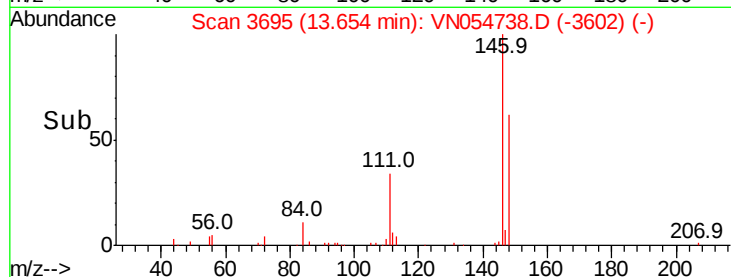
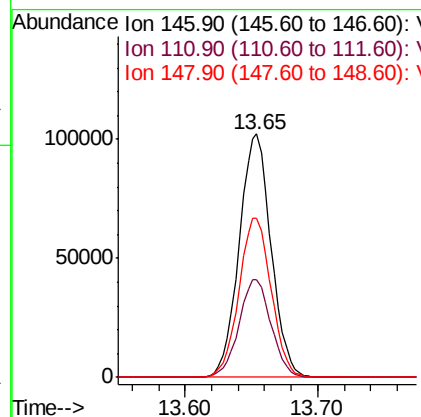
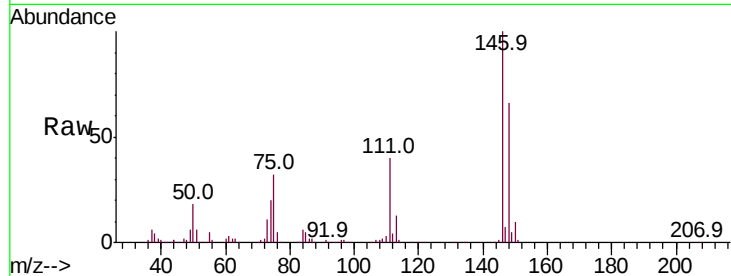
#91
 1,2-Dichlorobenzene
 Concen: 21.002 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	66.2	32.4	97.0

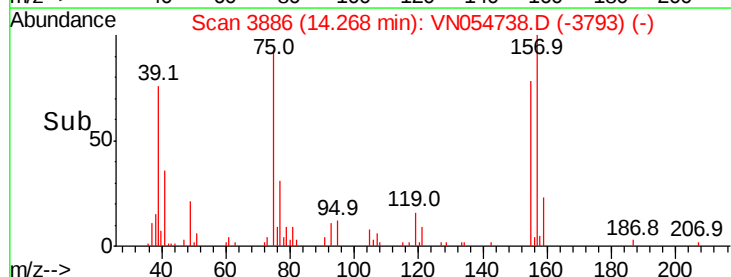
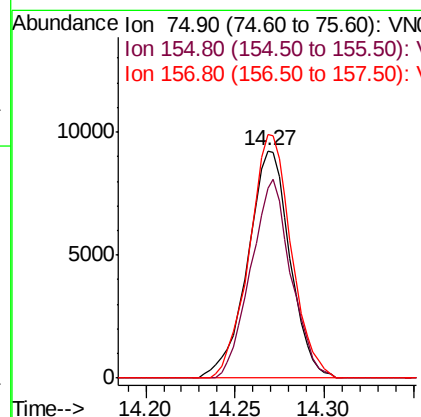
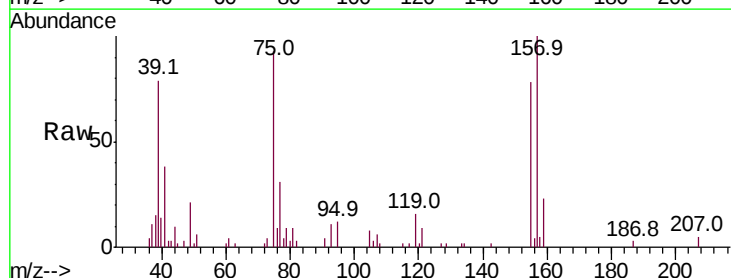
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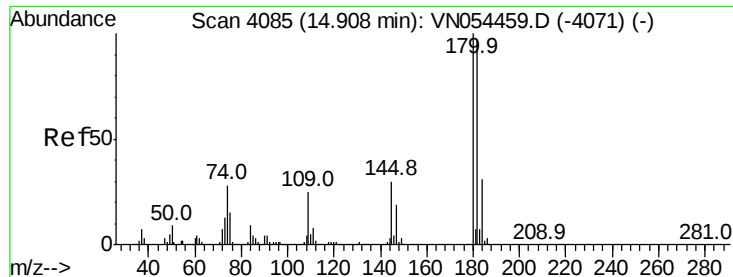
MMDadoda
 3/29/2019 9:49:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.362 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	50.1	150.3
157	106.3	63.1	189.3





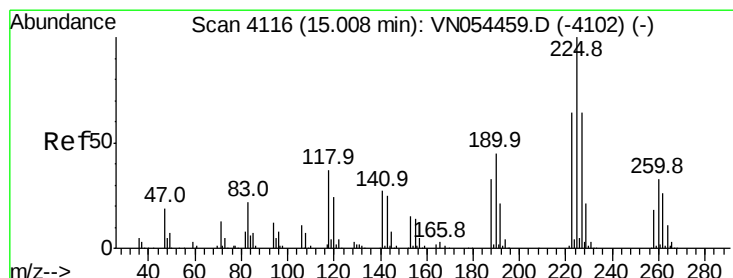
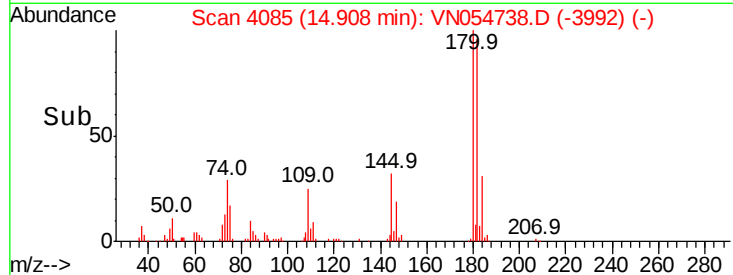
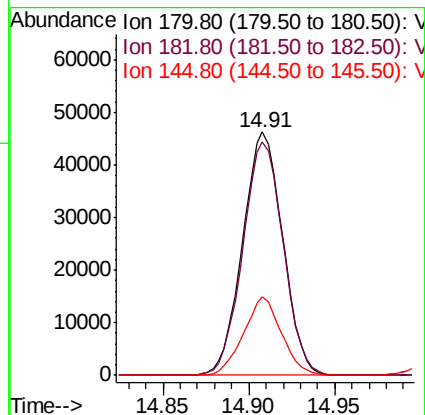
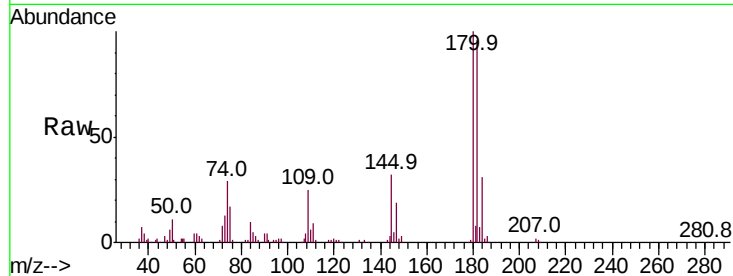
#93
 1,2,4-Trichlorobenzene
 Concen: 18.502 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBSD01

Tot Ion:	180	Resp:	74815
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.2
145	30.5	14.2	42.8

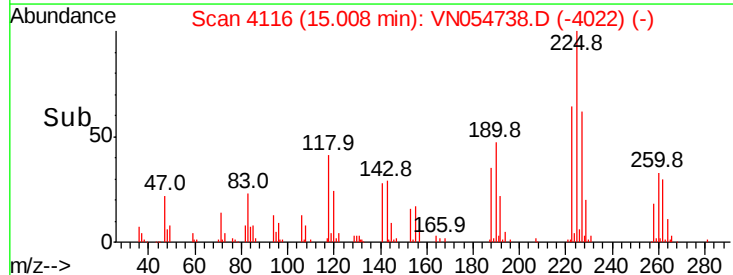
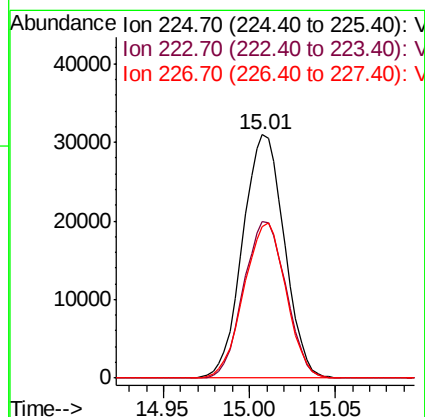
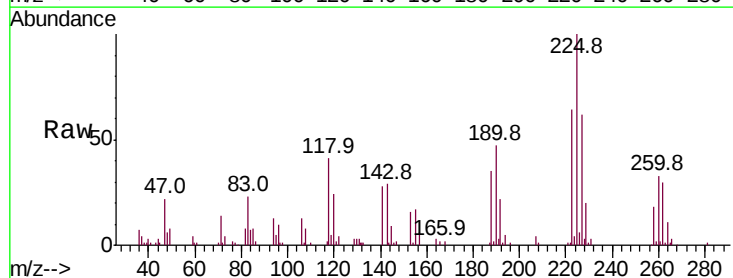
Manual Integrations
 APPROVED

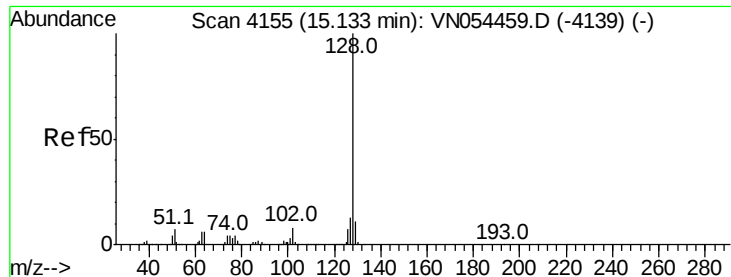
MMDadoda
 3/29/2019 9:49:33 AM



#94
 Hexachlorobutadiene
 Concen: 21.588 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054738.D
 Acq: 28 Mar 2019 12:28

Tgt Ion:	225	Resp:	52245
Ion Ratio	Lower	Upper	
225	100		
223	65.3	31.1	93.5
227	64.2	31.9	95.9





#95

Naphthalene

Concen: 18.738 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Instrument :

MSVOA_N

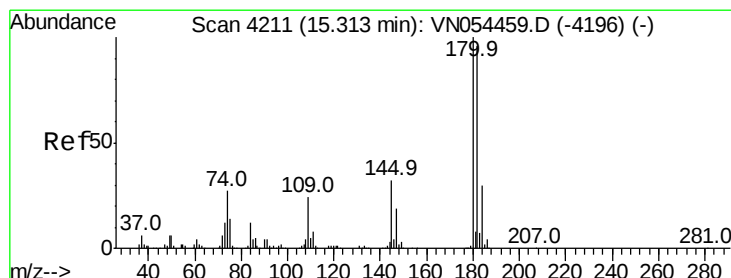
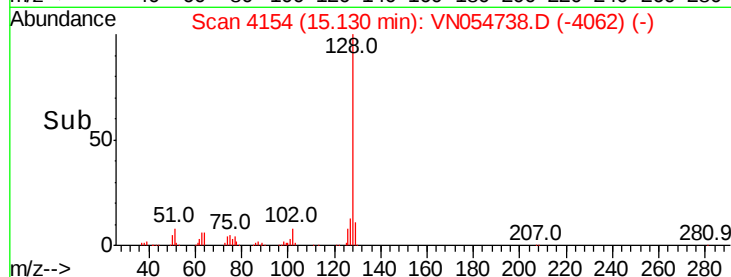
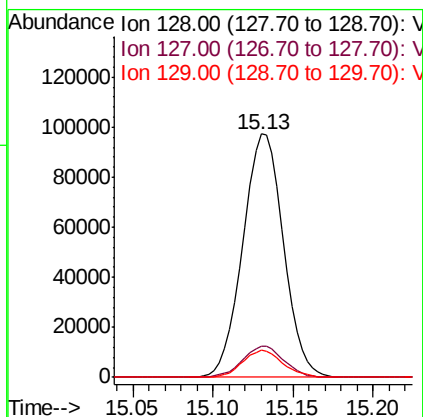
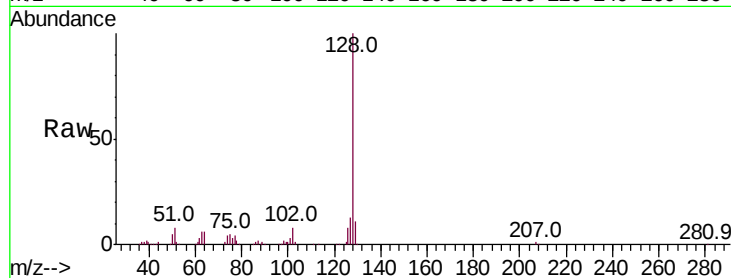
ClientSampleId :

VN0328WBSD01

Tot Ion:	128	Resp:	169002
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
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3/29/2019 9:49:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.981 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054738.D

Acq: 28 Mar 2019 12:28

Tgt Ion:	180	Resp:	76389
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.6
145	31.3	14.8	44.3

