

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051060.D
 Acq On : 7 Sep 2018 17:54
 Operator : MD\SY
 Sample : J4693-12MSD 5X
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:54:06 AM

Quant Time: Sep 08 01:11:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	894409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	498965	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	357929	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	7.59	113	342961	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
50) Toluene-d8	10.09	98	1332643	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	599235	65.14	ug/l	0.00
Spiked Amount			Recovery	=	130.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	445961	51.46	ug/l	99
3) Chloromethane	2.06	50	488782	45.73	ug/l	100
4) Vinyl Chloride	2.18	62	488948	48.29	ug/l	100
5) Bromomethane	2.52	94	218636	37.73	ug/l	100
6) Chloroethane	2.67	64	264735	45.25	ug/l	100
7) Trichlorofluoromethane	3.00	101	616981	47.59	ug/l	99
8) Diethyl Ether	3.41	74	240385	54.53	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	382334	47.20	ug/l	99
10) Methyl Iodide	3.94	142	342320	48.39	ug/l	98
11) Tert butyl alcohol	4.80	59	187969	378.68	ug/l	98
12) 1,1-Dichloroethene	3.72	96	366858	50.44	ug/l	97
13) Acrolein	3.61	56	68572	237.53	ug/l	97
14) Allyl chloride	4.32	41	574506	50.70	ug/l	98
15) Acrylonitrile	4.99	53	776274	307.72	ug/l	99
16) Acetone	3.82	43	518873	282.00	ug/l	100
17) Carbon Disulfide	4.04	76	1116767	45.81	ug/l	99
18) Methyl Acetate	4.33	43	445562	60.53	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1071190	58.56	ug/l	100
20) Methylene Chloride	4.55	84	421976	48.03	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	392006	49.84	ug/l	99
22) Diisopropyl ether	5.95	45	1183726	52.41	ug/l	97
23) Vinyl Acetate	5.90	43	4009236	275.66	ug/l	99
24) 1,1-Dichloroethane	5.85	63	706028	48.70	ug/l	100
25) 2-Butanone	6.84	43	866848	275.94	ug/l	100
26) 2,2-Dichloropropane	6.82	77	532684	45.72	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	440524	51.95	ug/l	97
28) Bromochloromethane	7.20	49	274388	44.54	ug/l	95
29) Tetrahydrofuran	7.21	42	582965	323.67	ug/l	97
30) Chloroform	7.37	83	699152	48.70	ug/l	99
31) Cyclohexane	7.65	56	642335	48.76	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	597504	48.45	ug/l	98
36) 1,1-Dichloropropene	7.79	75	550060	50.09	ug/l	99
37) Ethyl Acetate	6.93	43	372150	58.99	ug/l	99
38) Carbon Tetrachloride	7.77	117	528620	47.62	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	699823	58.90	ug/l	97
40) Benzene	8.04	78	1669535	50.41	ug/l	99
41) Methacrylonitrile	7.18	41	208400	61.04	ug/l	96
42) 1,2-Dichloroethane	8.13	62	491004	49.59	ug/l	98
43) Isopropyl Acetate	8.17	43	655912	60.47	ug/l	99
44) Trichloroethene	8.84	130	441048	50.50	ug/l	100
45) 1,2-Dichloropropane	9.12	63	432872	49.73	ug/l	100
46) Dibromomethane	9.21	93	263453	51.52	ug/l	97
47) Bromodichloromethane	9.40	83	534967	49.94	ug/l	97
48) Methyl methacrylate	9.20	41	332403	60.13	ug/l	98
49) 1,4-Dioxane	9.20	88	104300	1384.07	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1925638	297.50	ug/l	97
52) Toluene	10.16	92	1061626	54.12	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	571197	53.58	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	636825	52.16	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	453802	62.32	ug/l	99
56) Ethyl methacrylate	10.43	69	575009	60.20	ug/l	97
57) 1,3-Dichloropropane	10.71	76	655575	54.55	ug/l	100
59) 2-Hexanone	10.75	43	1540613	357.53	ug/l	92
60) Dibromochloromethane	10.90	129	432195	53.01	ug/l	98
61) 1,2-Dibromoethane	11.01	107	400183	56.84	ug/l	98
64) Tetrachloroethene	10.63	164	406861	47.89	ug/l	99
65) Chlorobenzene	11.44	112	1186455	50.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	422308	49.37	ug/l	100
67) Ethyl Benzene	11.51	91	2031363	53.45	ug/l	100
68) m/p-Xylenes	11.62	106	1564857	108.47	ug/l	99
69) o-Xylene	11.95	106	766077	55.24	ug/l	99
70) Stvrene	11.96	104	1215174	49.72	ug/l	100
71) Bromoform	12.13	173	318868	54.21	ug/l #	99
73) Isopropylbenzene	12.25	105	2980755	72.15	ug/l	99
74) N-amyl acetate	12.05	43	1951775	188.01	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.51	83	728018	74.72	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	421236m	48.20	ug/l	
77) Bromobenzene	12.53	156	515311	45.89	ug/l	98
78) n-propylbenzene	12.59	91	4862392	105.35	ug/l	99
79) 2-Chlorotoluene	12.68	91	1343052	46.72	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1625379	48.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	134498	52.03	ug/l #	86
82) 4-Chlorotoluene	12.77	91	1322467	46.60	ug/l	95
83) tert-Butylbenzene	12.99	119	1549406	53.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1662653	49.58	ug/l	99
85) sec-Butylbenzene	13.17	105	2920893	77.21	ug/l	88
86) p-Isopropyltoluene	13.29	119	1637214	50.79	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	862955	45.29	ug/l #	87
88) 1,4-Dichlorobenzene	13.36	146	856823	45.69	ug/l #	84
89) n-Butylbenzene	13.62	91	1991872	77.26	ug/l	96
90) Hexachloroethane	13.88	117	434160	70.59	ug/l	65
91) 1,2-Dichlorobenzene	13.65	146	847439	46.10	ug/l #	78
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77999	52.57	ug/l	89
93) 1,2,4-Trichlorobenzene	14.91	180	490042	51.14	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	336139	61.95	ug/l	99
95) Naphthalene	15.13	128	1130431	55.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	476701	52.96	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:168 Resp: 647510

Ion Ratio Lower Upper

168 100

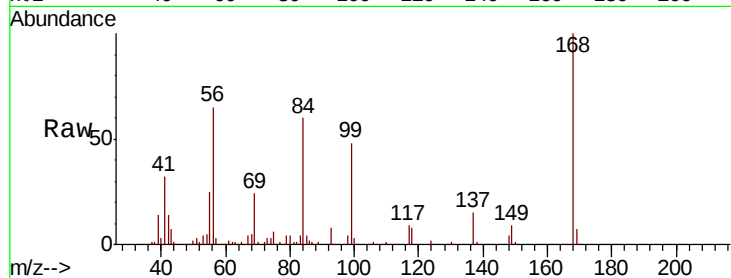
99 48.0 39.6 59.4

Manual Integrations

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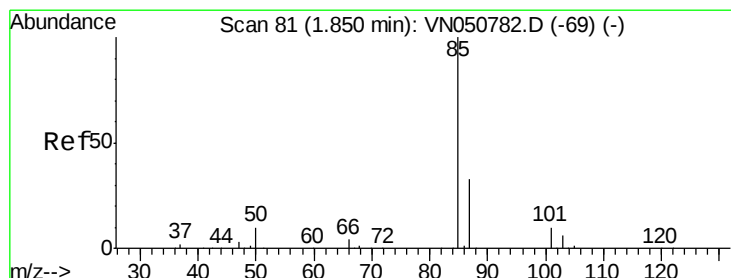
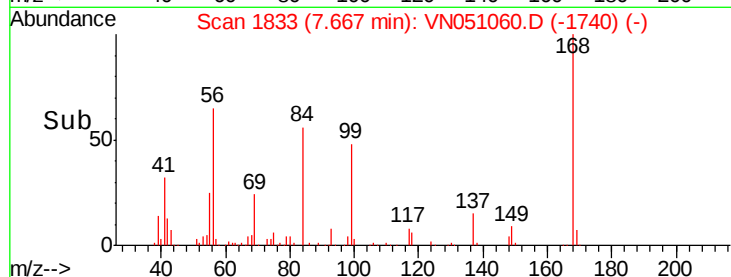
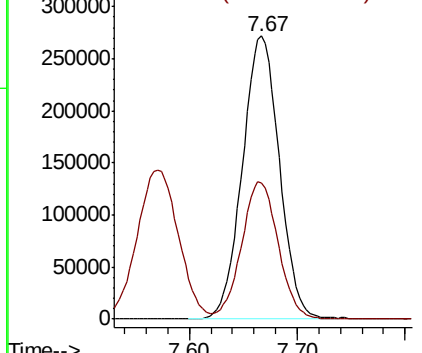
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.46 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051060.D

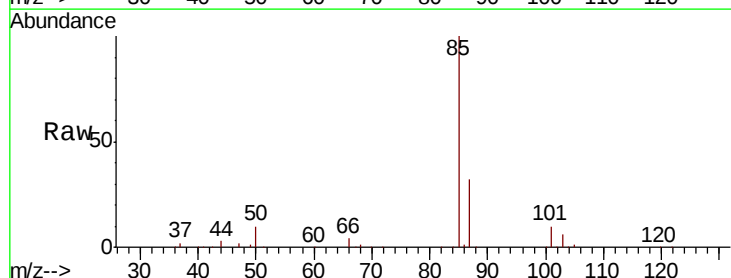
Acq: 7 Sep 2018 17:54

Tgt Ion: 85 Resp: 445961

Ion Ratio Lower Upper

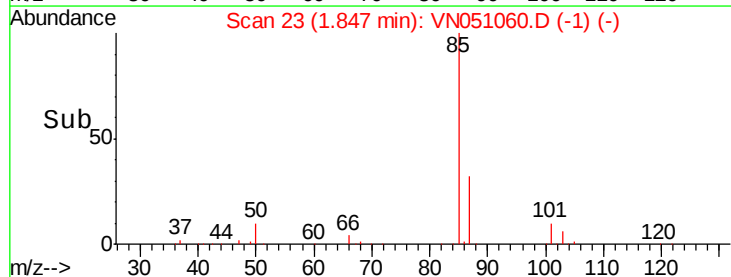
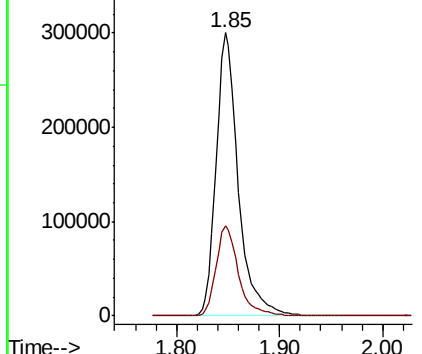
85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.73 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

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ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 50 Resp: 488782

Ion Ratio Lower Upper

50 100

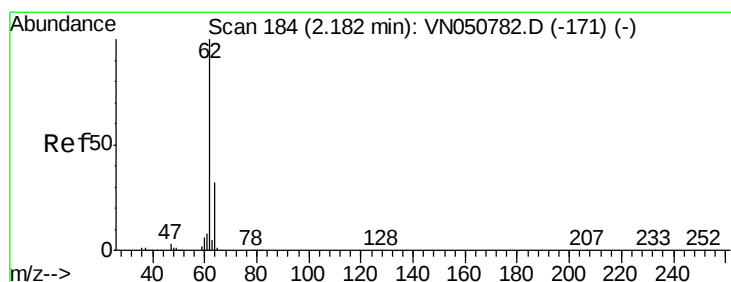
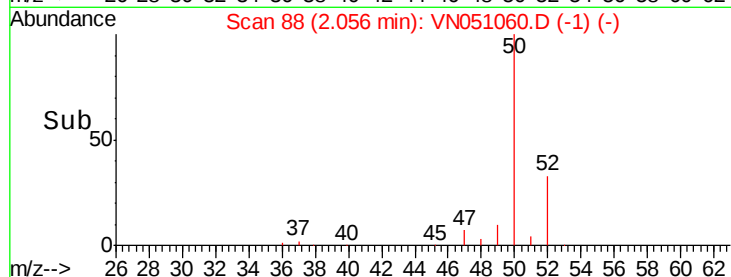
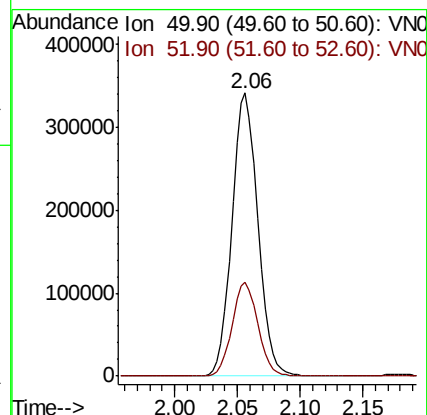
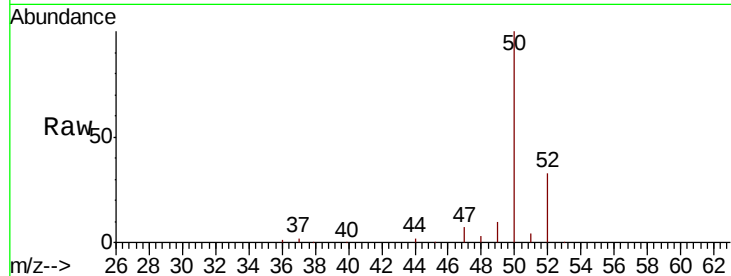
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.29 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051060.D

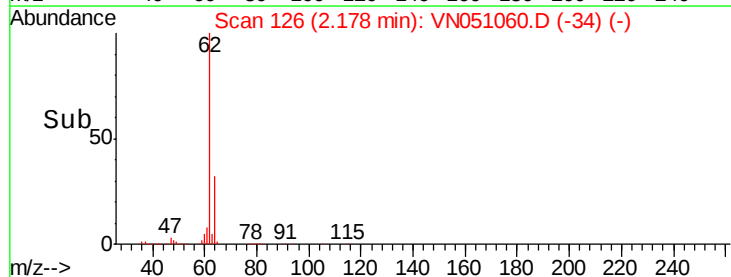
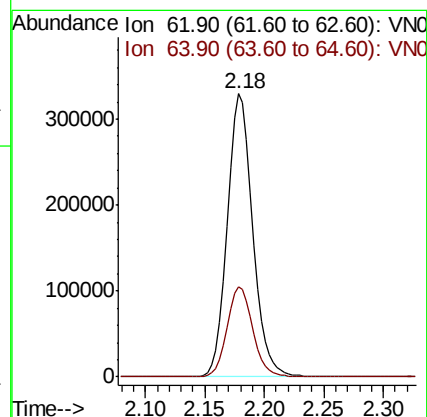
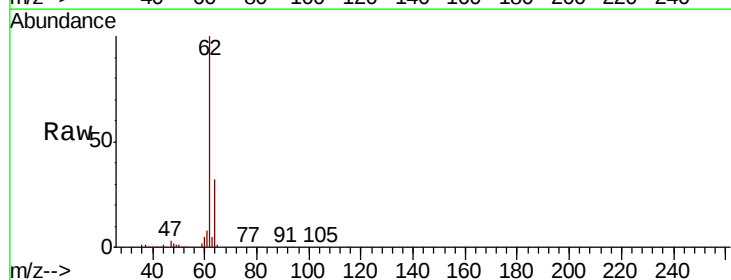
Acq: 7 Sep 2018 17:54

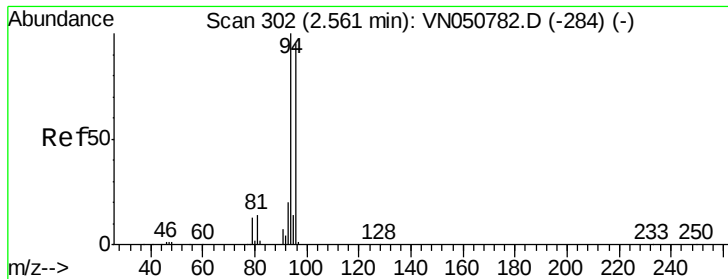
Tgt Ion: 62 Resp: 488948

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 37.73 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.04 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

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Tot Ion: 94 Resp: 218636

Ion Ratio Lower Upper

94 100

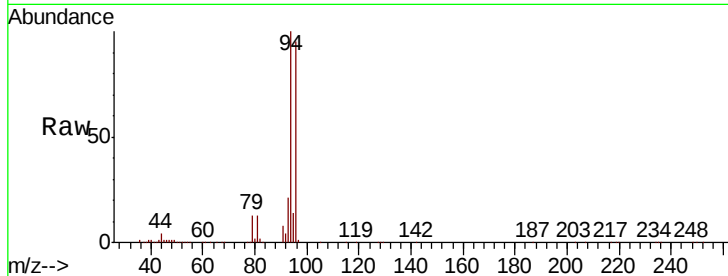
96 95.5 76.2 114.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

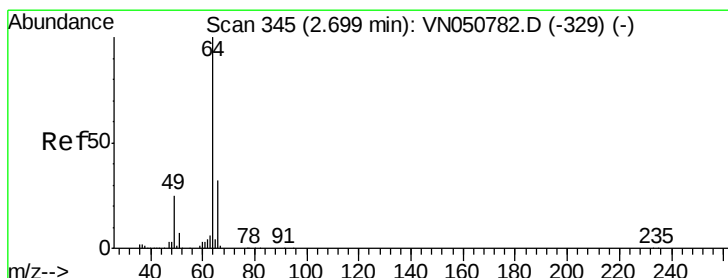
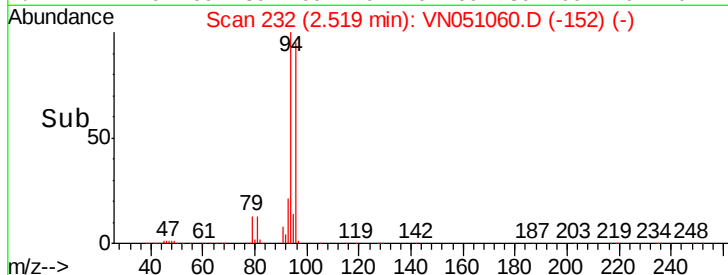
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50000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 45.25 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.03 min

Lab File: VN051060.D

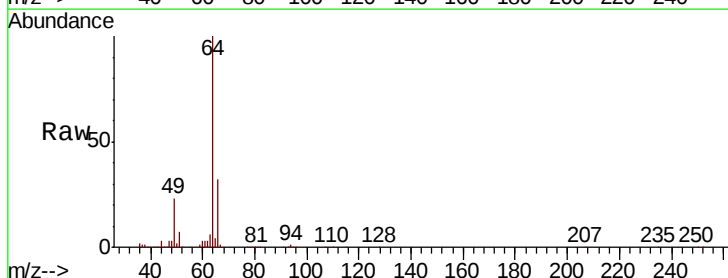
Acq: 7 Sep 2018 17:54

Tgt Ion: 64 Resp: 264735

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

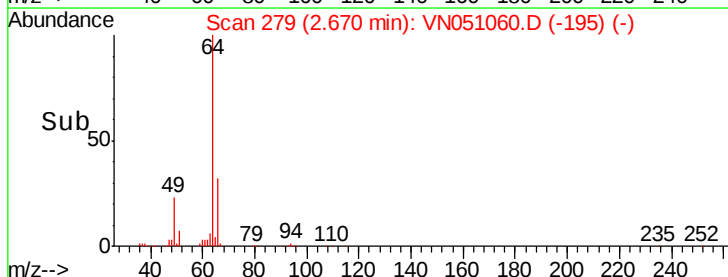
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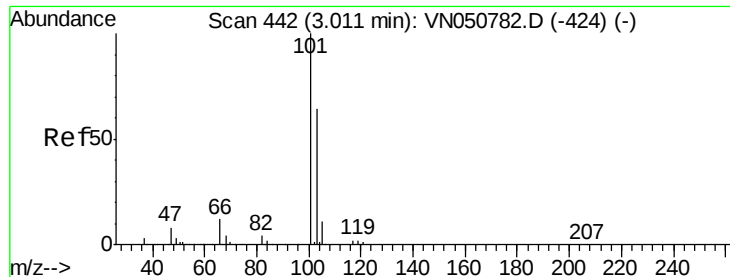
50000

0

2.60 2.65 2.70

Time-->





#7

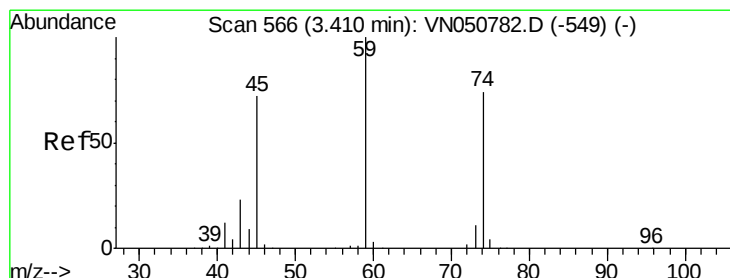
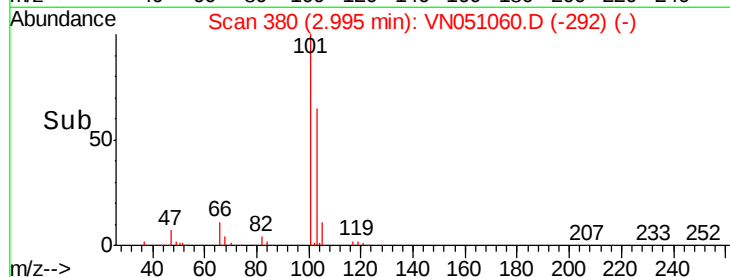
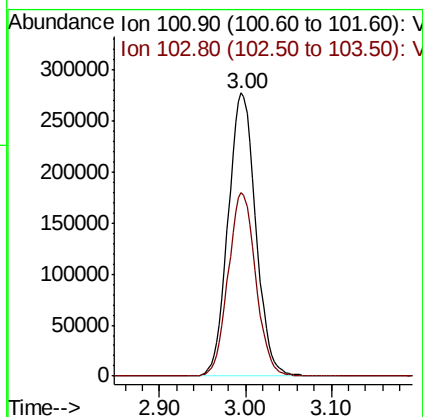
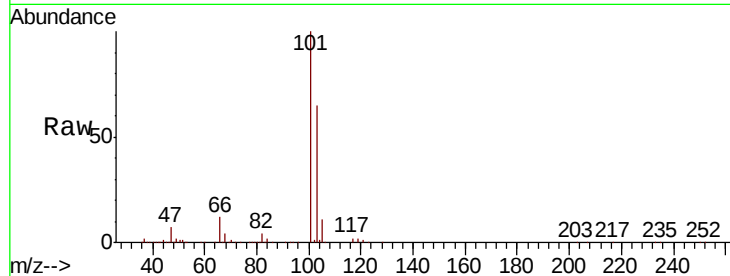
Trichlorofluoromethane
Concen: 47.59 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.02 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

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Tot Ion:101 Resp: 616981
Ion Ratio Lower Upper
101 100
103 65.0 51.6 77.4

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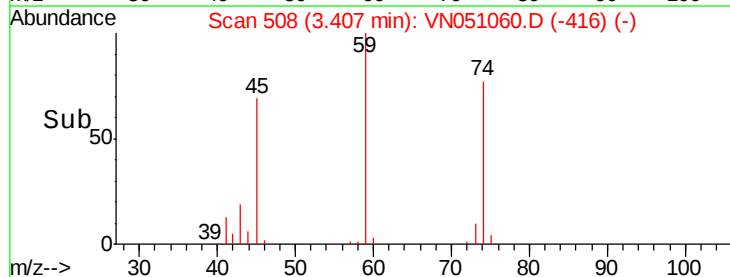
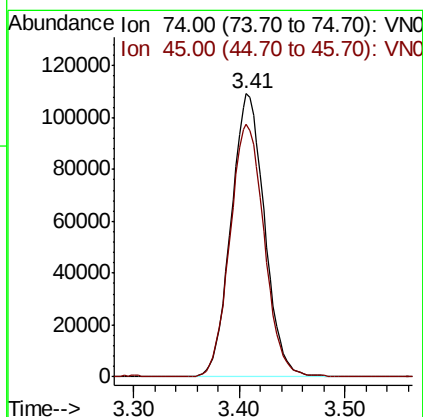
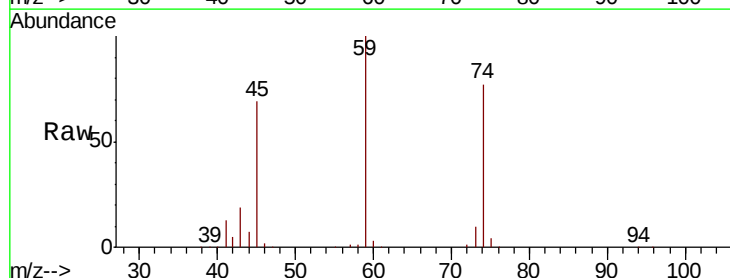
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9/10/2018 11:54:06 AM

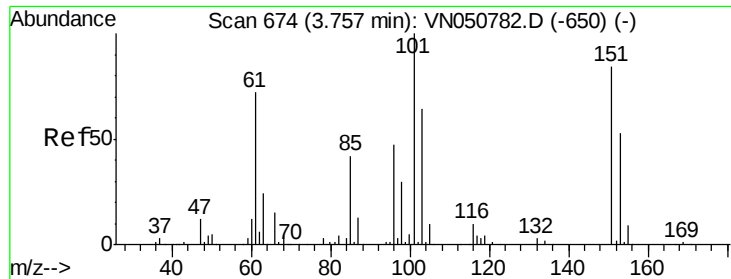


#8

Diethyl Ether
Concen: 54.53 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 74 Resp: 240385
Ion Ratio Lower Upper
74 100
45 91.6 48.2 144.6





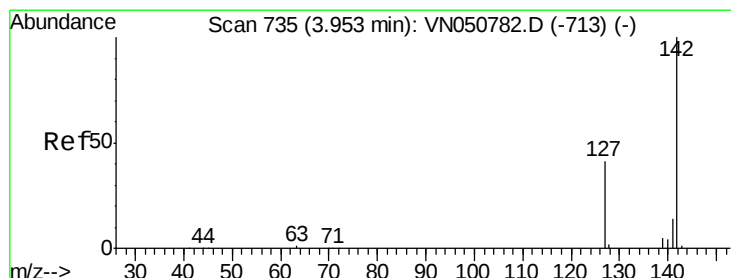
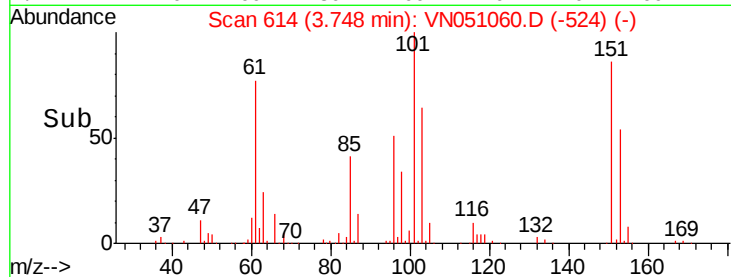
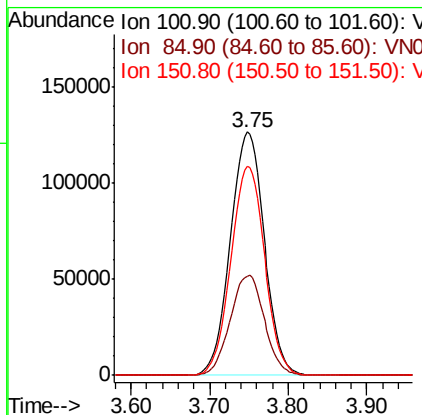
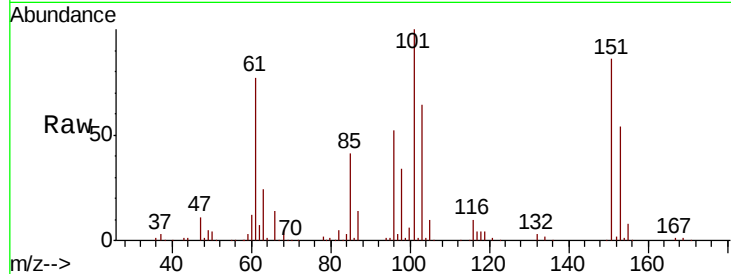
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.20 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	382334		
85	41.4	33.7	50.5	
151	85.4	67.4	101.2	

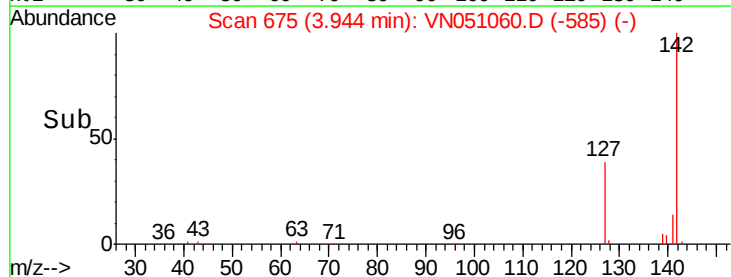
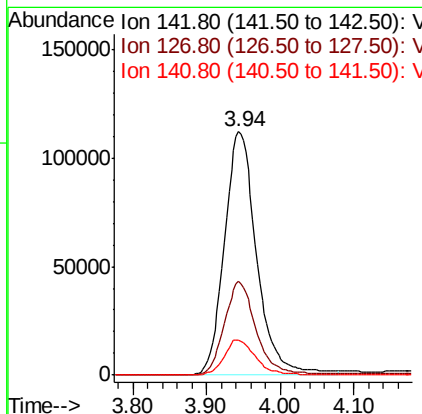
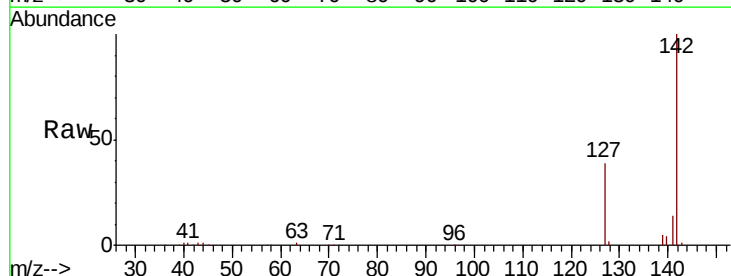
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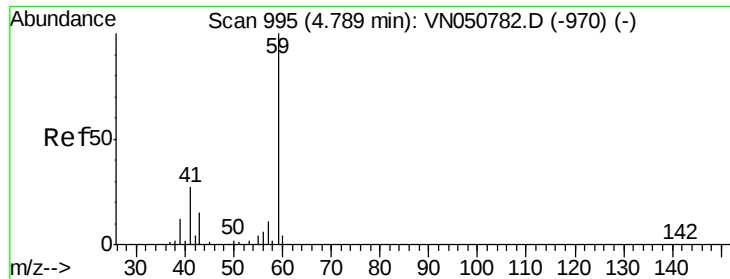
MMDadoda
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#10
 Methyl Iodide
 Concen: 48.39 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	342320		
127	37.7	31.7	47.5	
141	14.1	11.4	17.0	





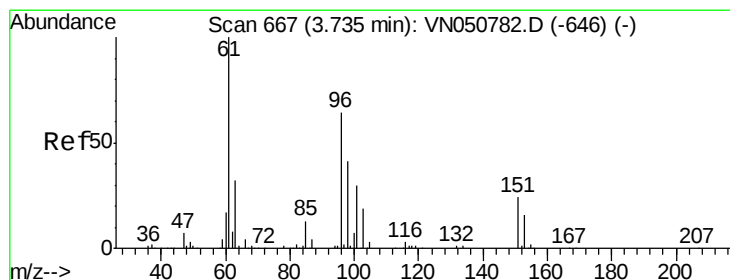
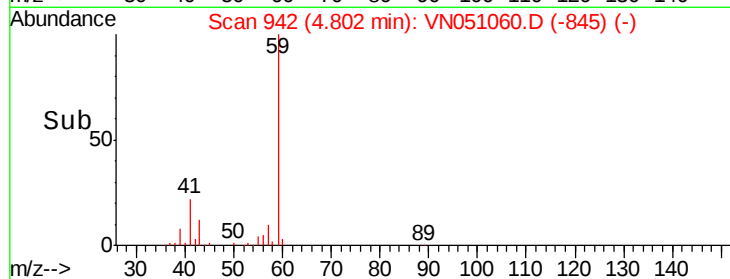
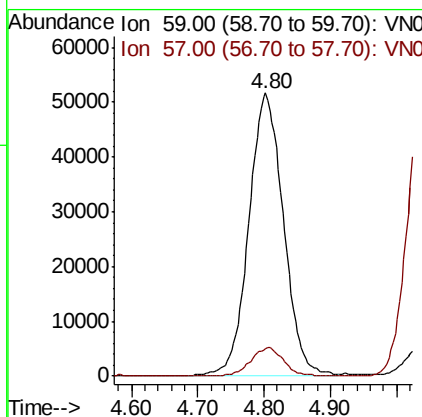
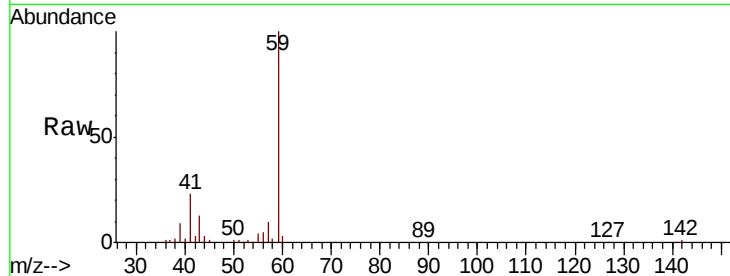
#11
Tert butyl alcohol
Concen: 378.68 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	187969
Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

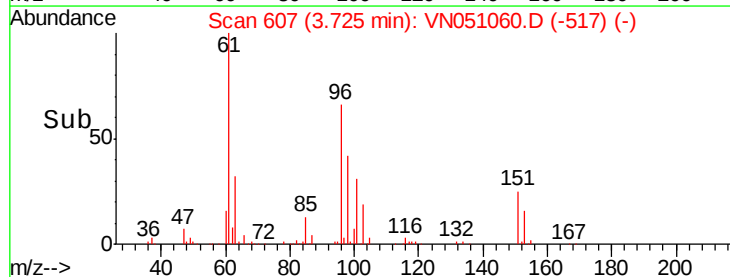
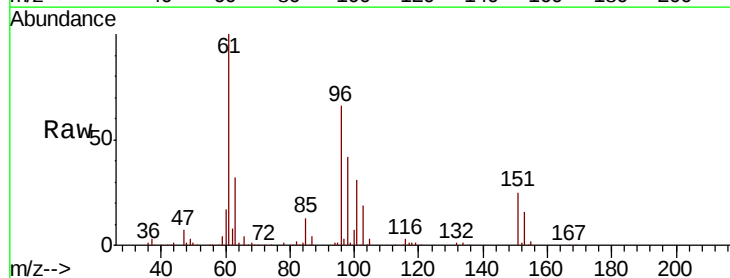
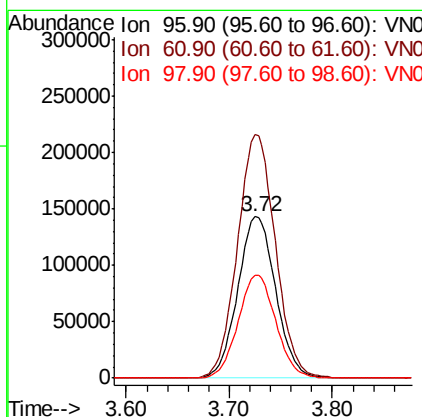
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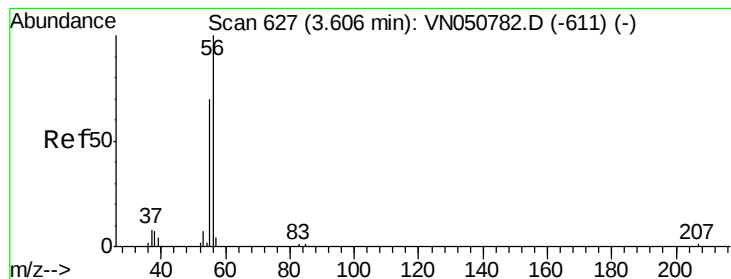
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.44 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	96	Resp	366858
Ion	Ratio	Lower	Upper
96	100		
61	150.6	124.9	187.3
98	63.7	51.1	76.7





#13

Acrolein

Concen: 237.53 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 56 Resp: 68572

Ion Ratio Lower Upper

56 100

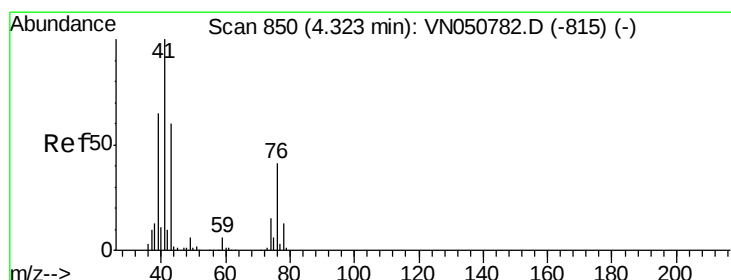
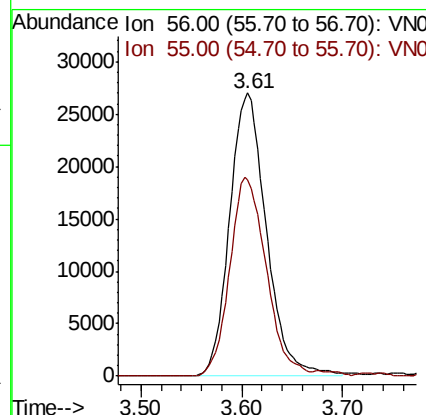
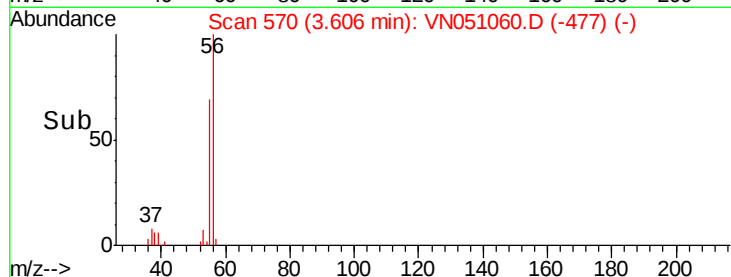
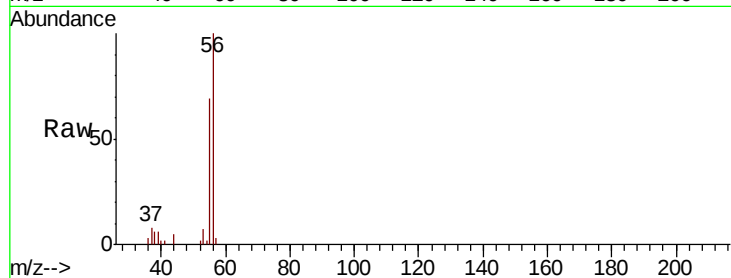
55 69.5 57.7 86.5

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#14

Allyl chloride

Concen: 50.70 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

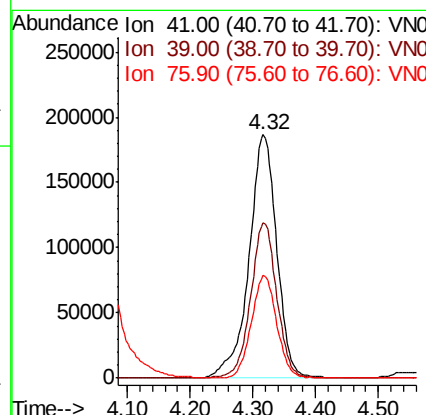
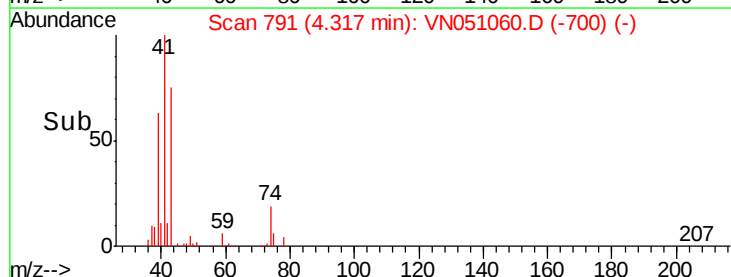
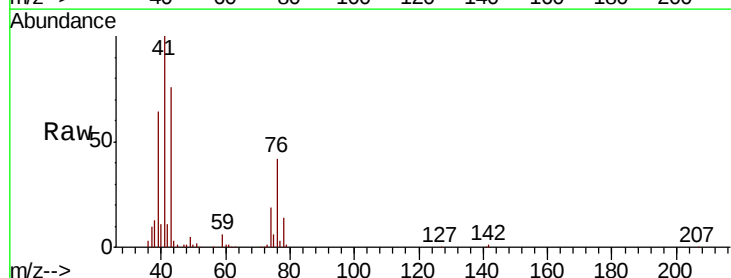
Tgt Ion: 41 Resp: 574506

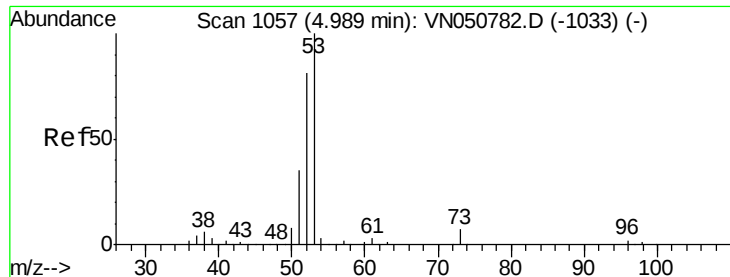
Ion Ratio Lower Upper

41 100

39 60.2 50.2 75.2

76 37.8 29.8 44.8





#15

Acrylonitrile

Concen: 307.72 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

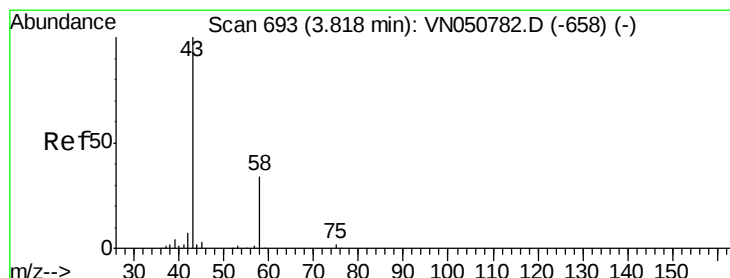
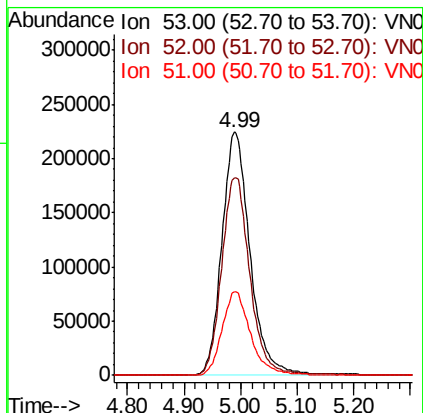
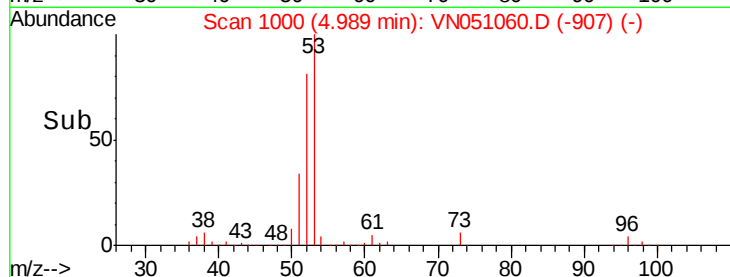
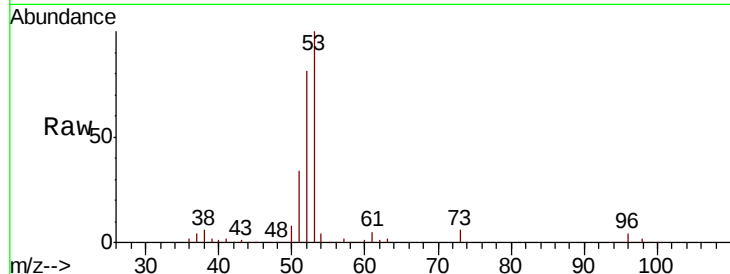
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	53	Resp:	776274
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.9	98.9
51	35.0	28.6	43.0

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#16

Acetone

Concen: 282.00 ug/l

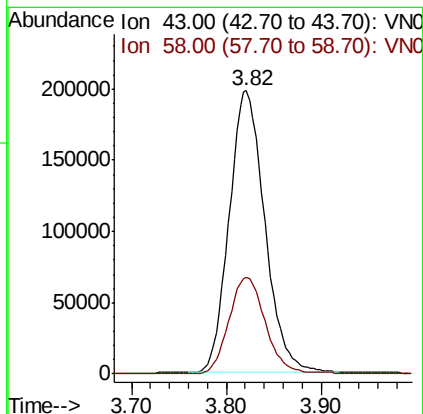
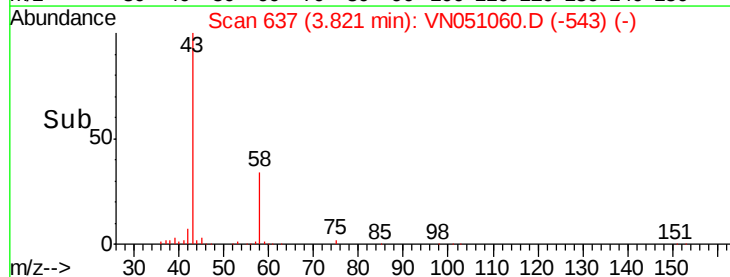
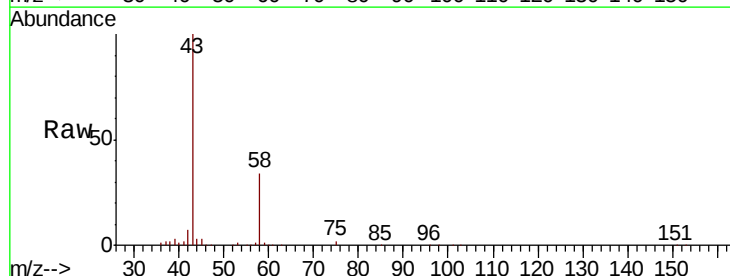
RT: 3.82 min Scan# 637

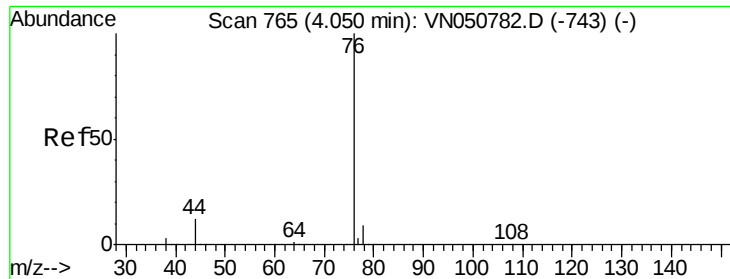
Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	43	Resp:	518873
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.2	40.8





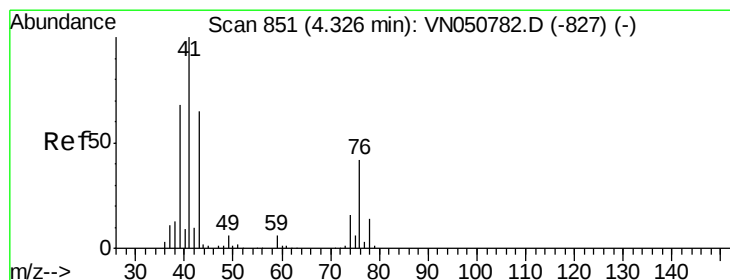
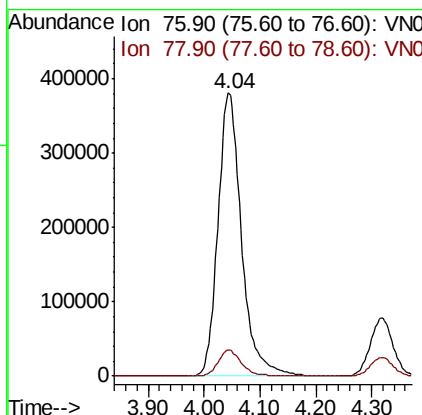
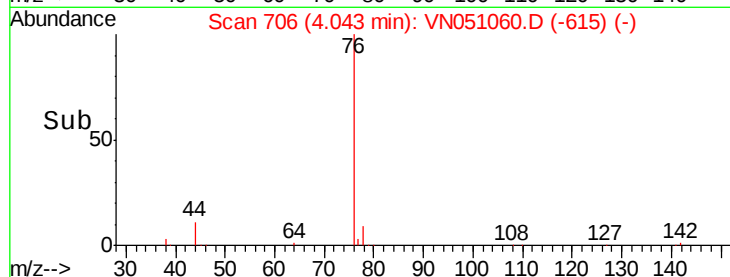
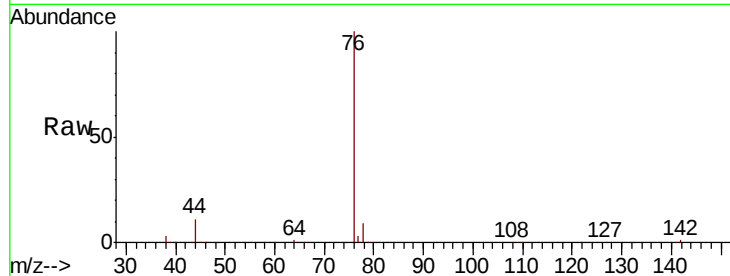
#17
Carbon Disulfide
Concen: 45.81 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 76 Resp: 1116767
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

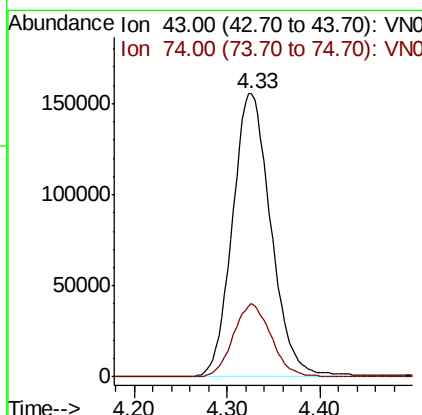
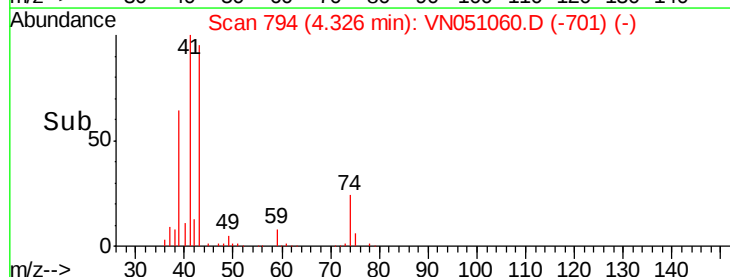
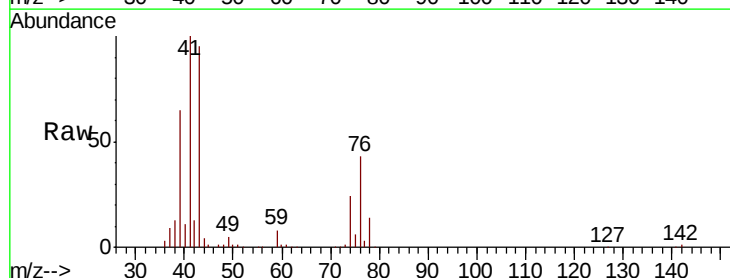
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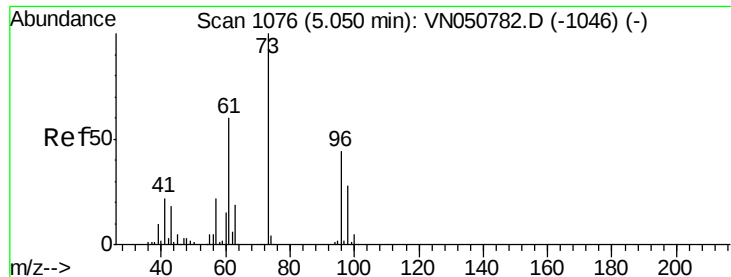
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#18
Methyl Acetate
Concen: 60.53 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 43 Resp: 445562
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8





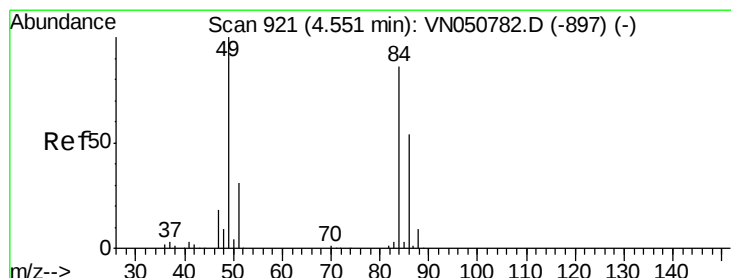
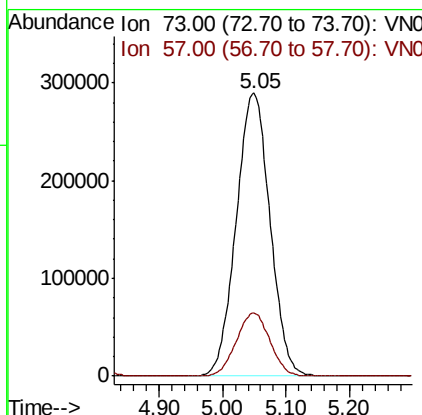
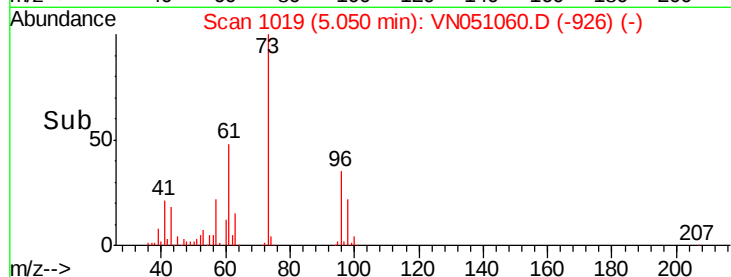
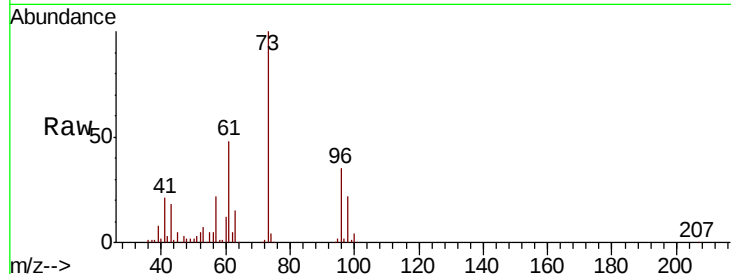
#19
Methyl tert-butyl Ether
Concen: 58.56 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 73 Resp: 1071190
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

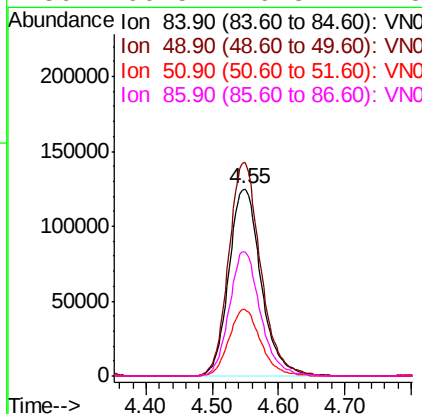
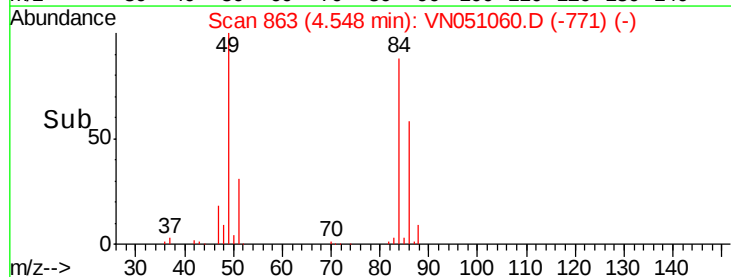
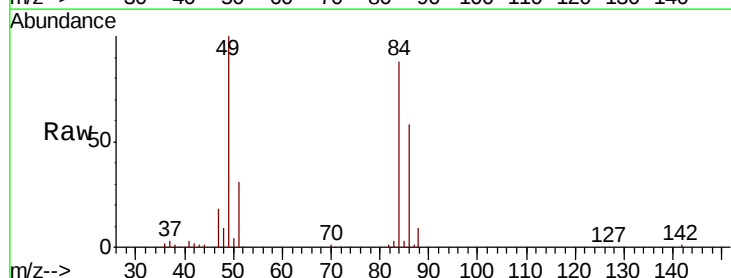
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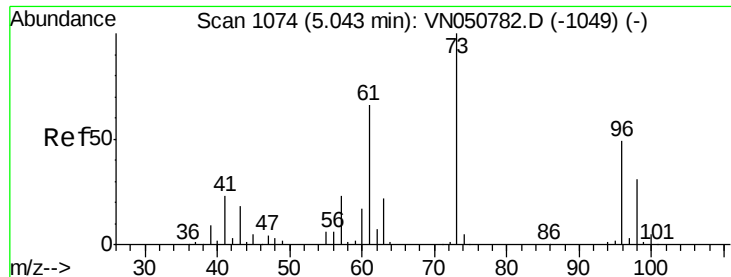
MMDadoda
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#20
Methylene Chloride
Concen: 48.03 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 84 Resp: 421976
Ion Ratio Lower Upper
84 100
49 114.3 93.2 139.8
51 35.5 29.0 43.6
86 66.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.84 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

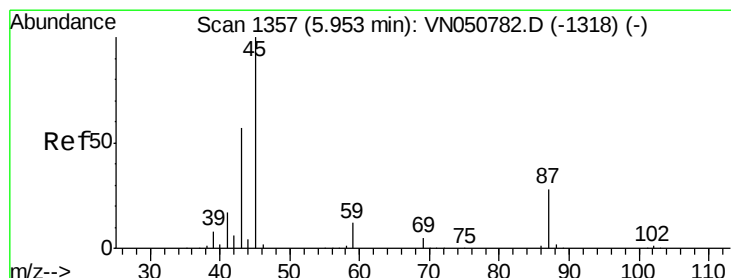
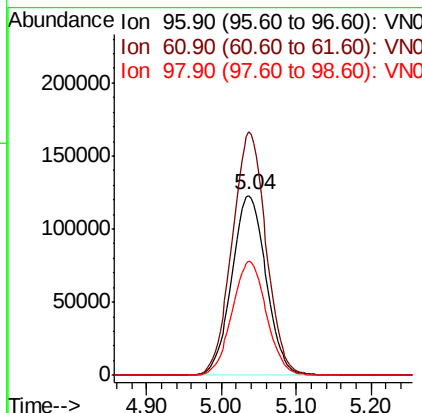
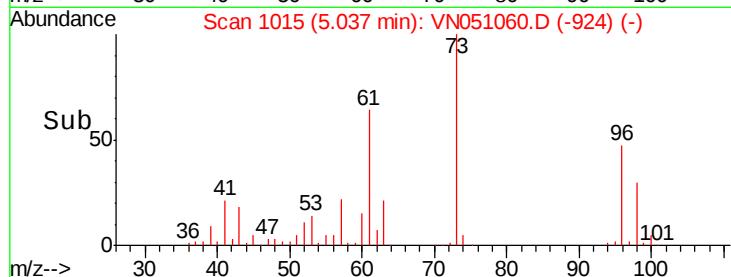
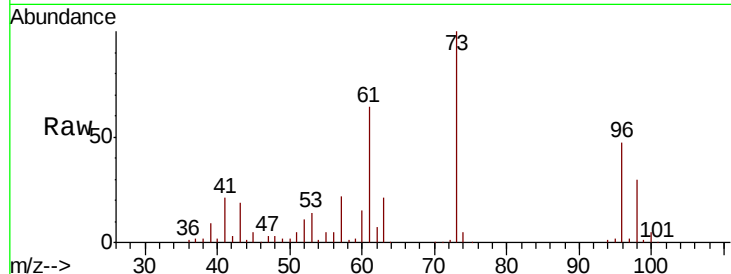
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	96	Resp:	392006
Ion	Ratio	Lower	Upper
96	100		
61	135.3	107.4	161.0
98	63.7	50.7	76.1

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#22

Diisopropyl ether

Concen: 52.41 ug/l

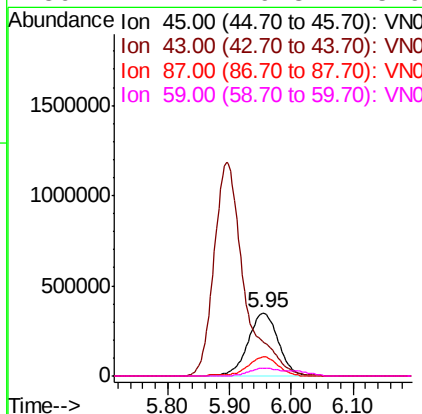
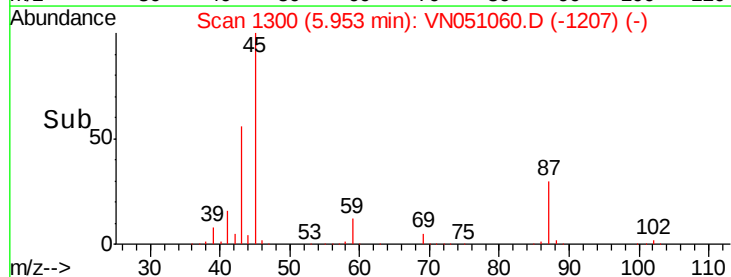
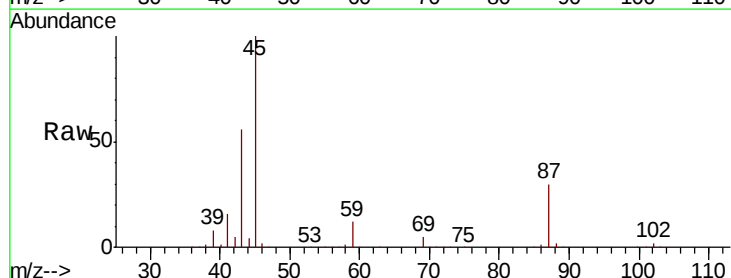
RT: 5.95 min Scan# 1300

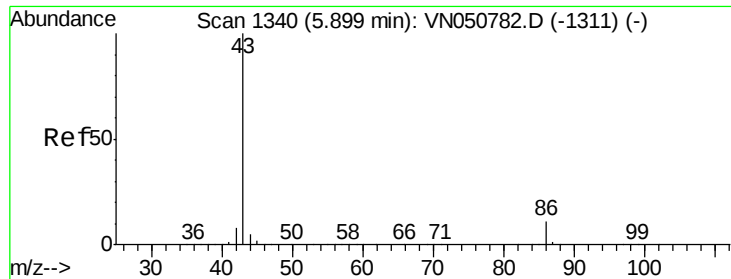
Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	45	Resp:	1183726
Ion	Ratio	Lower	Upper
45	100		
43	55.4	45.9	68.9
87	30.0	22.7	34.1
59	12.1	9.3	13.9





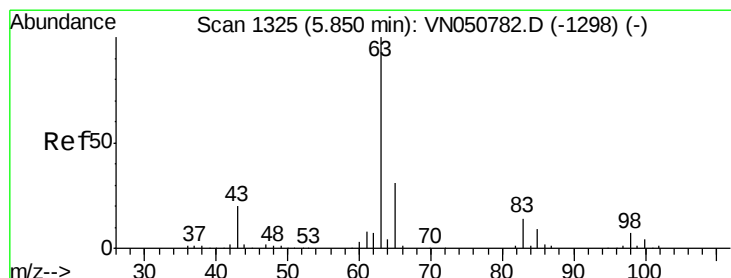
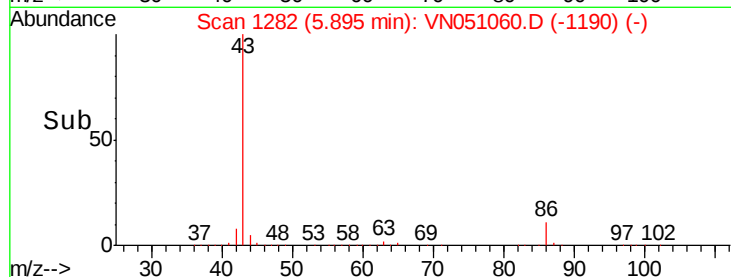
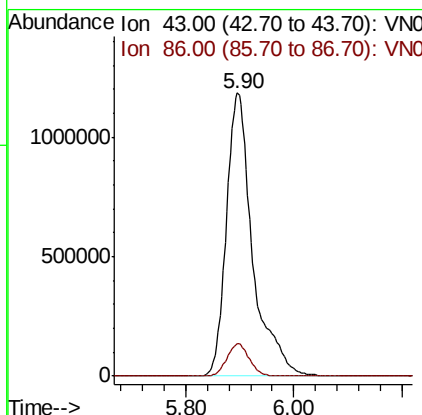
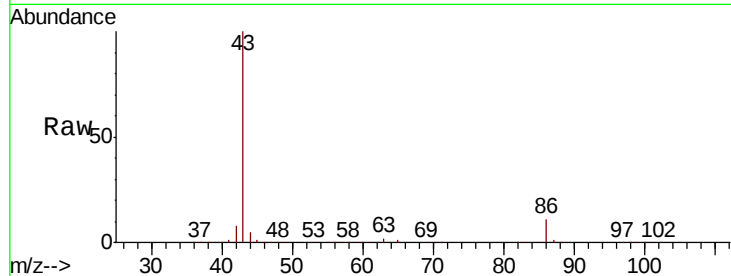
#23
 Vinyl Acetate
 Concen: 275.66 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 4009236
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1

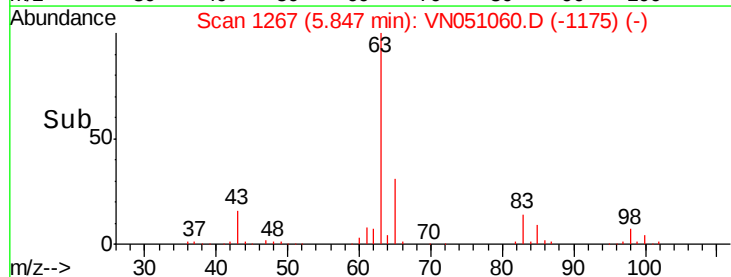
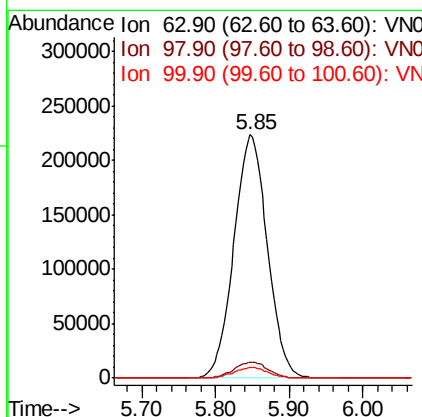
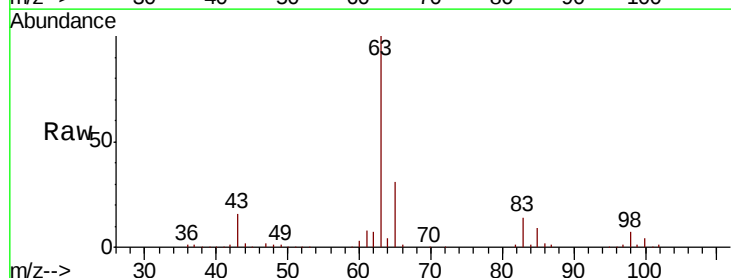
Manual Integrations
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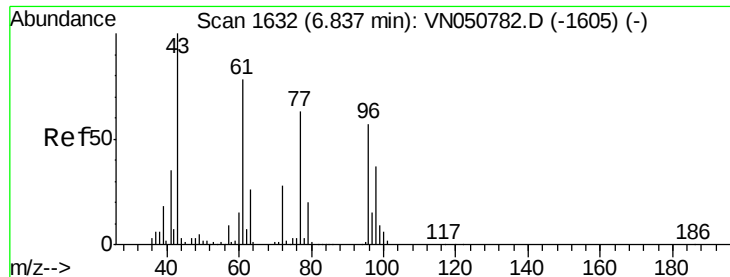
MMDadoda
 9/10/2018 11:54:06 AM



#24
 1,1-Dichloroethane
 Concen: 48.70 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 63 Resp: 706028
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 275.94 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 866848

Ion Ratio Lower Upper

43 100

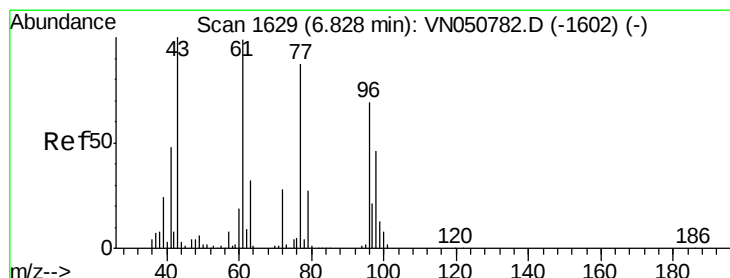
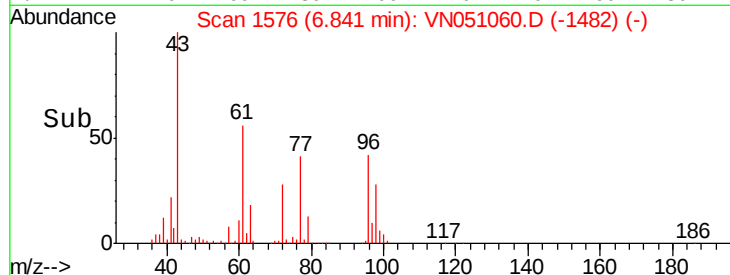
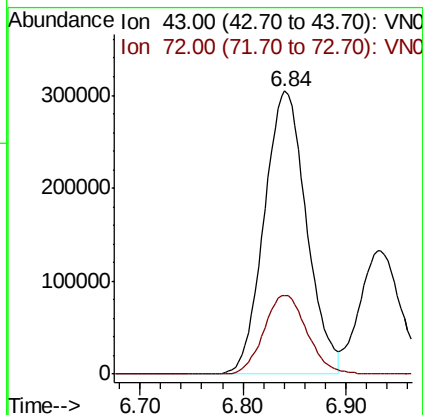
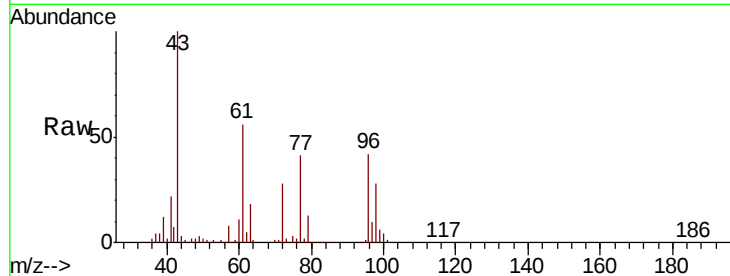
72 28.0 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.72 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051060.D

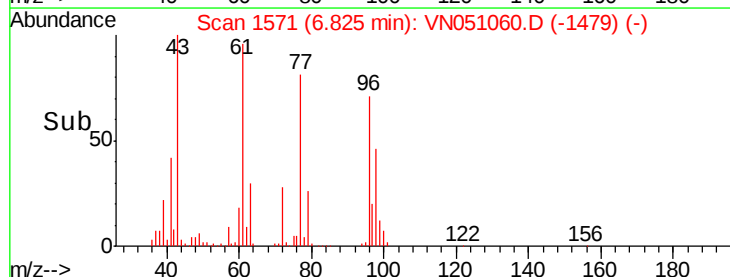
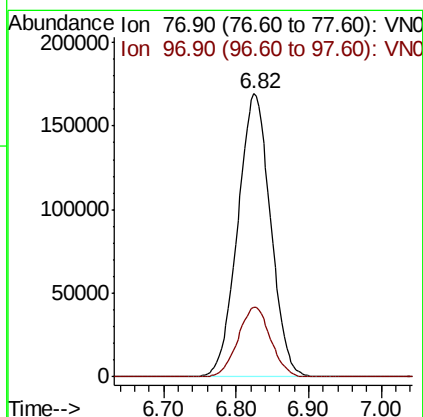
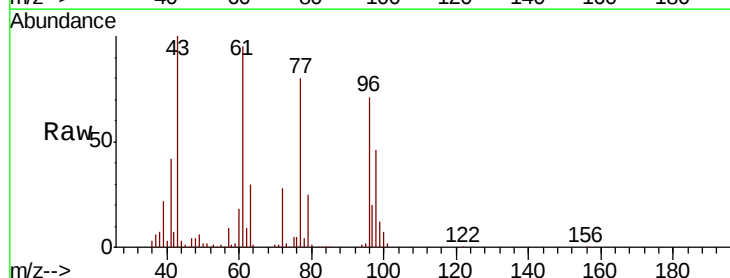
Acq: 7 Sep 2018 17:54

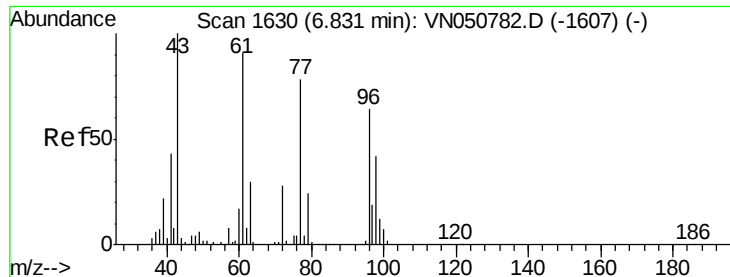
Tgt Ion: 77 Resp: 532684

Ion Ratio Lower Upper

77 100

97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.95 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

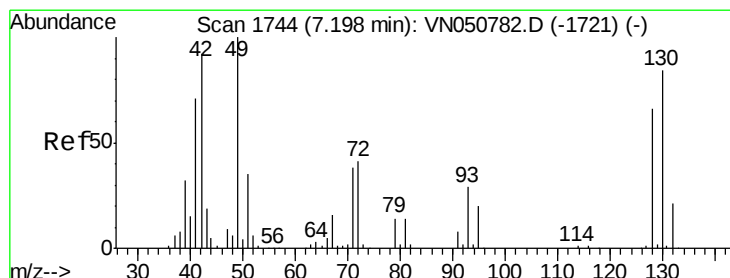
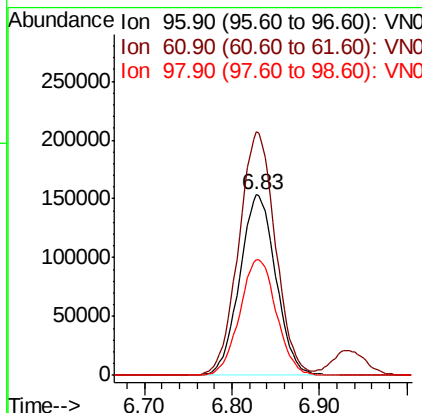
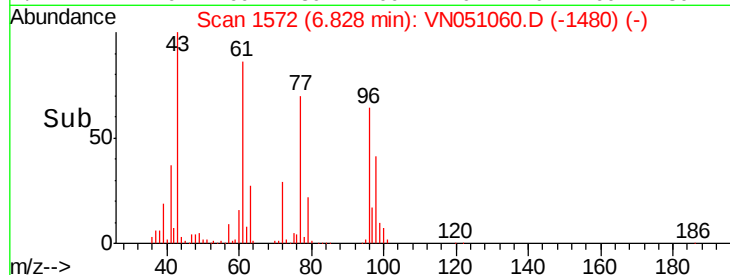
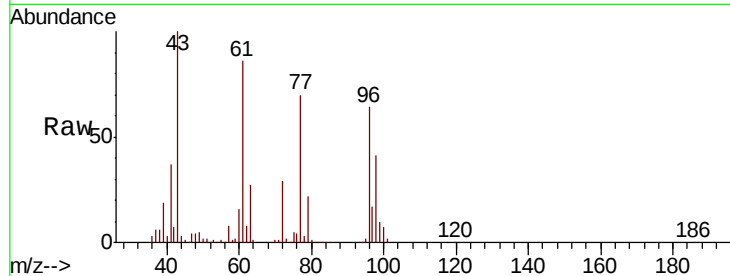
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	96	Resp:	440524
Ion Ratio	Lower	Upper	
96	100		
61	136.5	0.0	283.4
98	64.9	0.0	129.8

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#28

Bromochloromethane

Concen: 44.54 ug/l

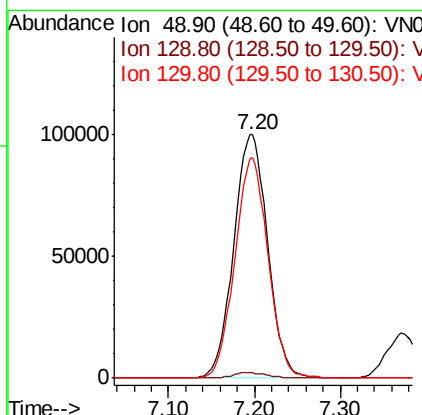
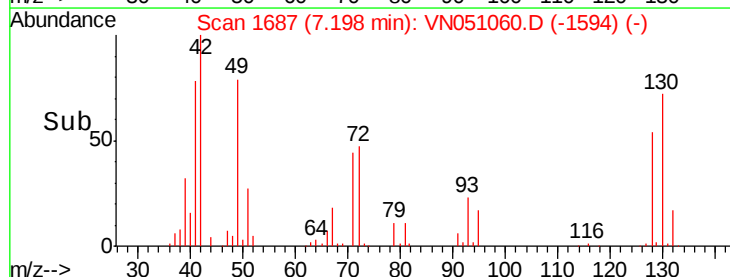
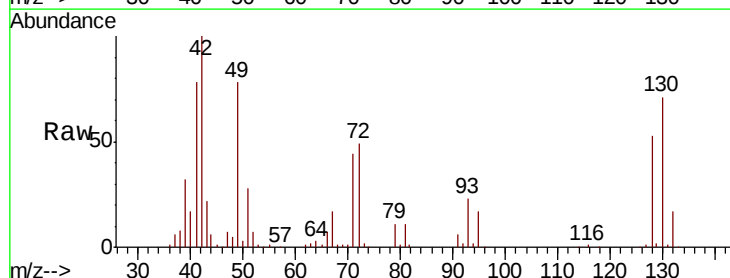
RT: 7.20 min Scan# 1687

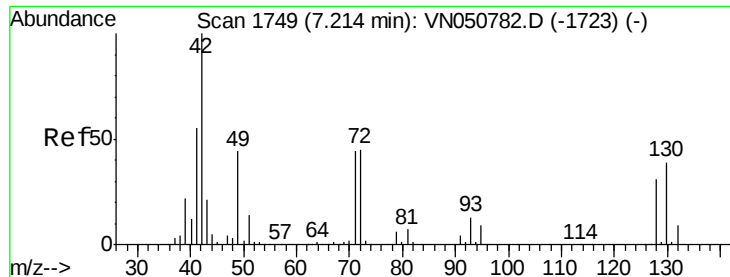
Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	49	Resp:	274388
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	88.4	67.1	100.7





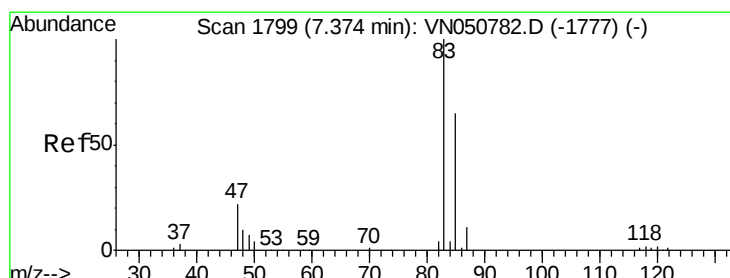
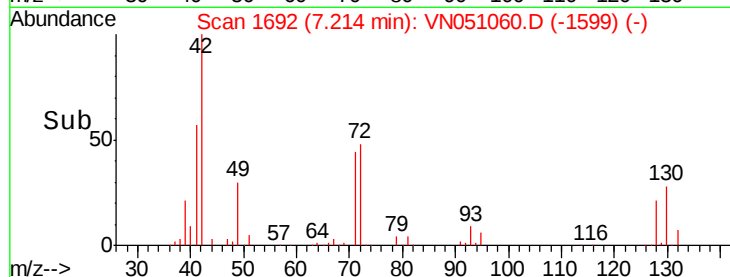
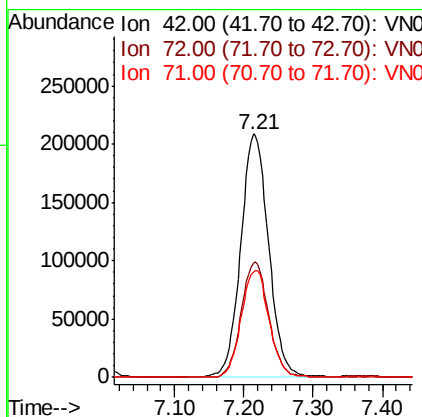
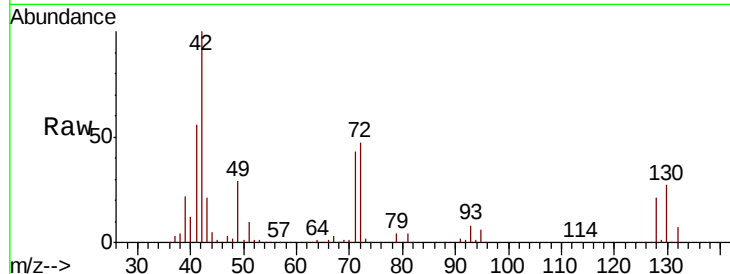
#29
Tetrahydrofuran
Concen: 323.67 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	35.5	53.3
71	43.9	33.7	50.5

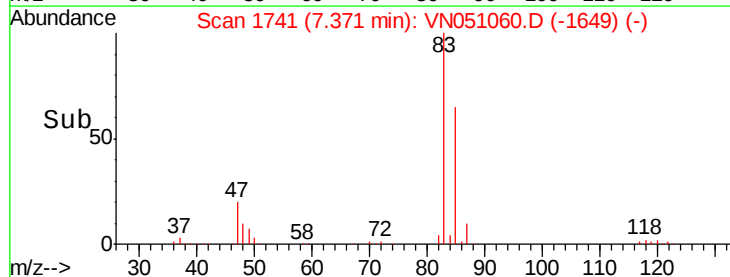
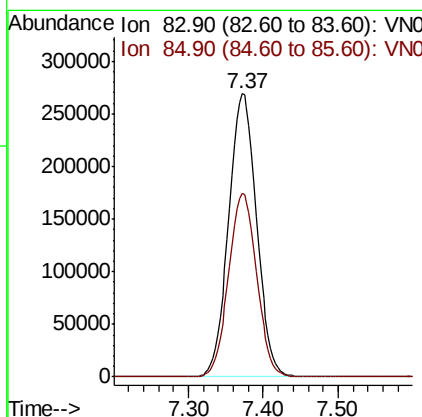
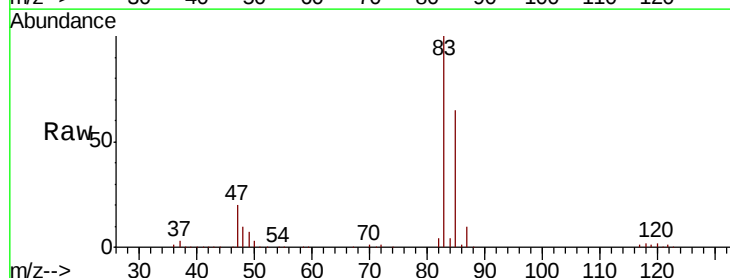
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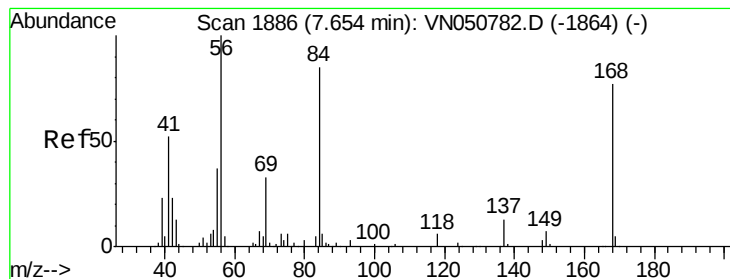
MMDadoda
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#30
Chloroform
Concen: 48.70 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





#31

Cyclohexane

Concen: 48.76 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 56 Resp: 642335

Ion Ratio Lower Upper

56 100

69 33.6 26.2 39.4

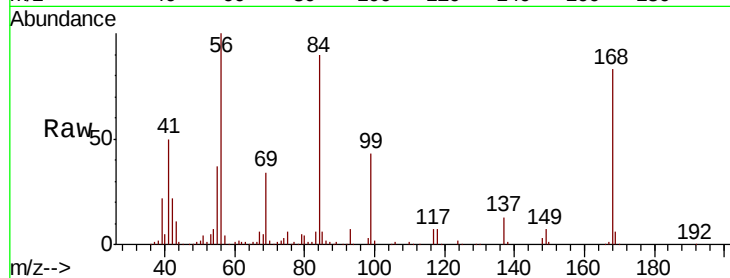
84 89.1 68.3 102.5

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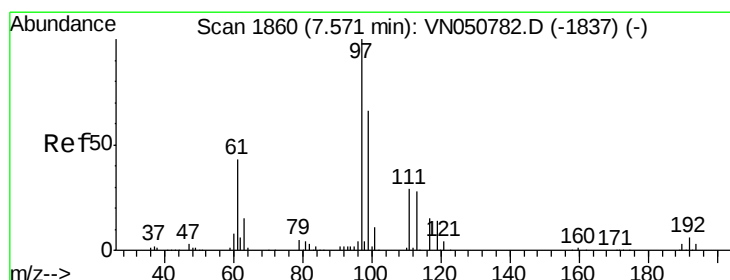
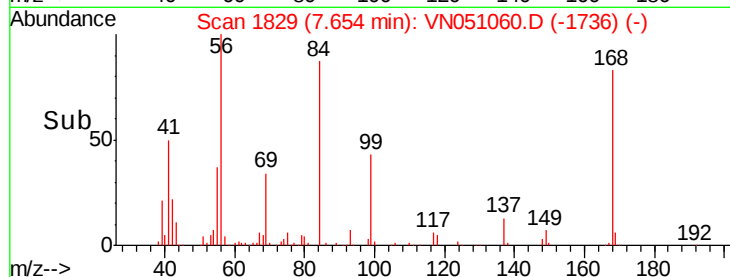
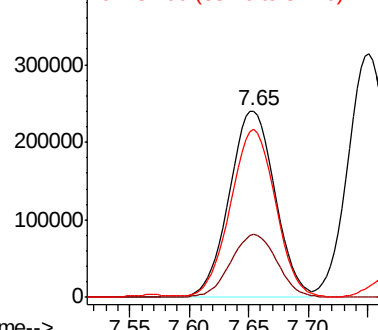
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 48.45 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

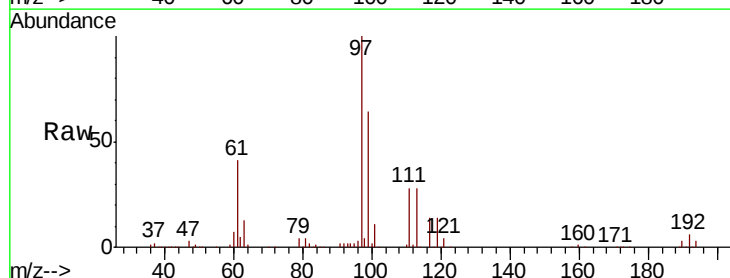
Tgt Ion: 97 Resp: 597504

Ion Ratio Lower Upper

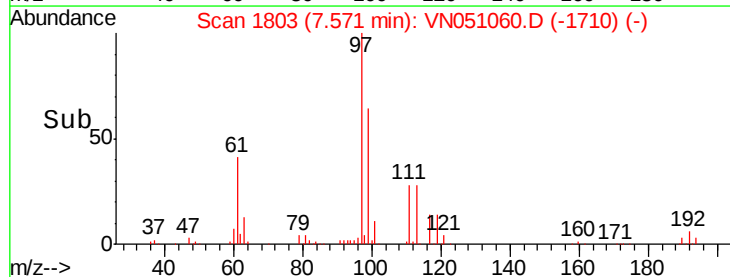
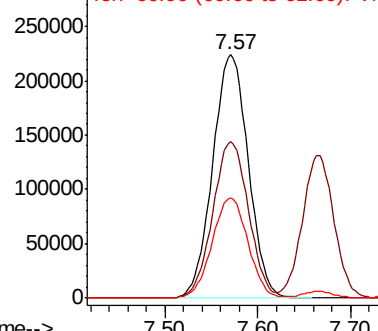
97 100

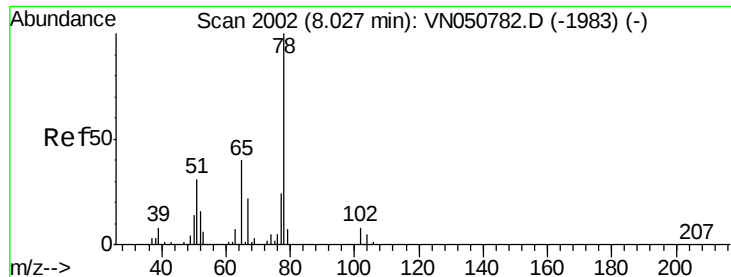
99 64.3 51.8 77.6

61 41.5 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





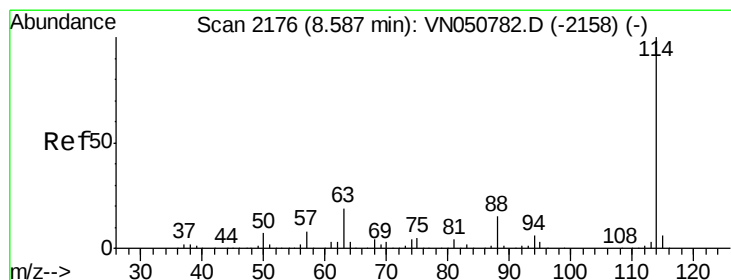
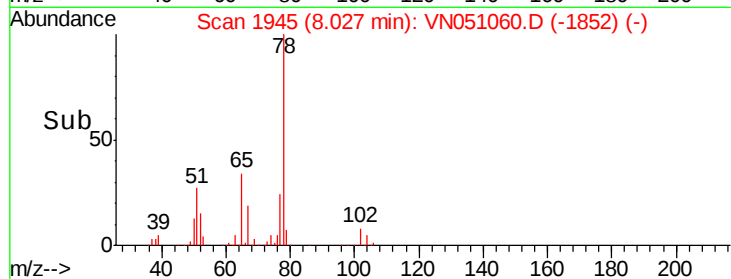
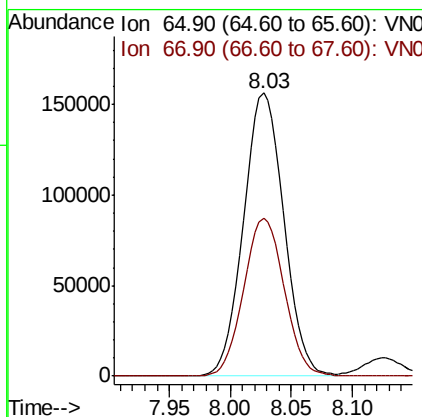
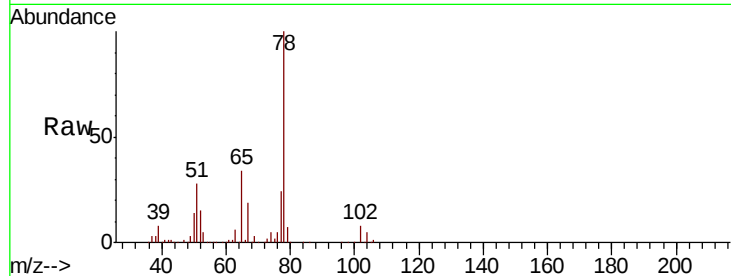
#33
 1,2-Dichloroethane-d4
 Concen: 45.92 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	357929		
67	56.2	0.0	110.4	

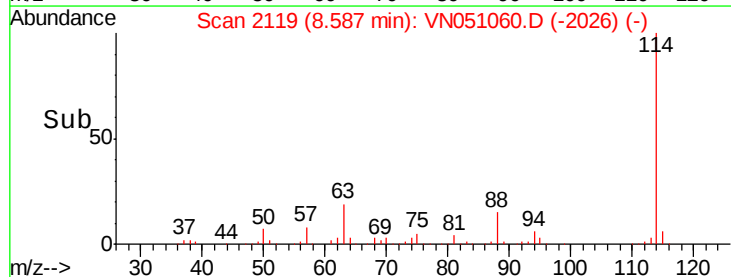
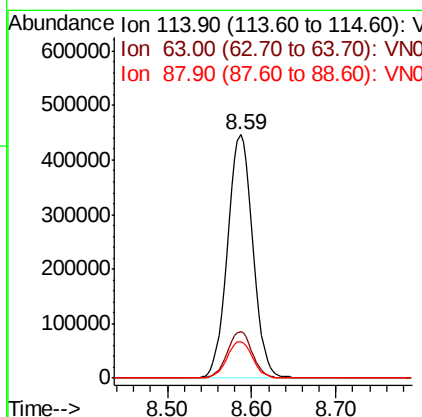
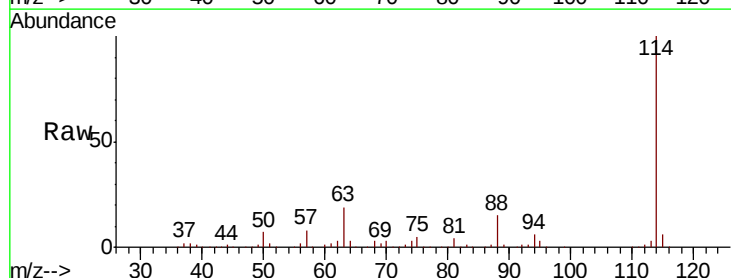
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	930655		
63	19.1	0.0	38.6	
88	15.0	0.0	30.6	





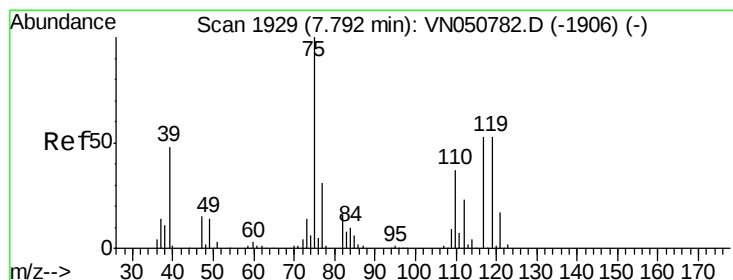
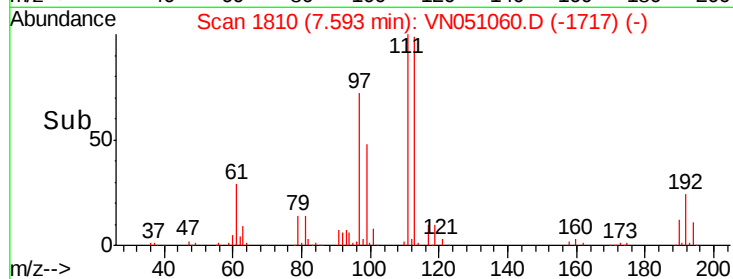
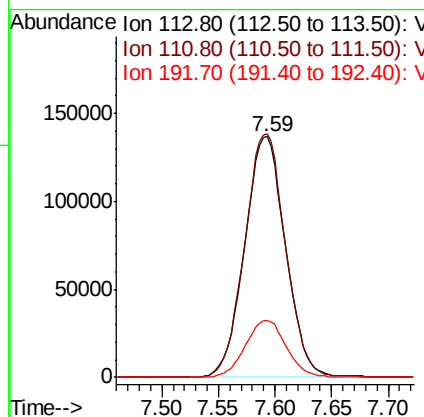
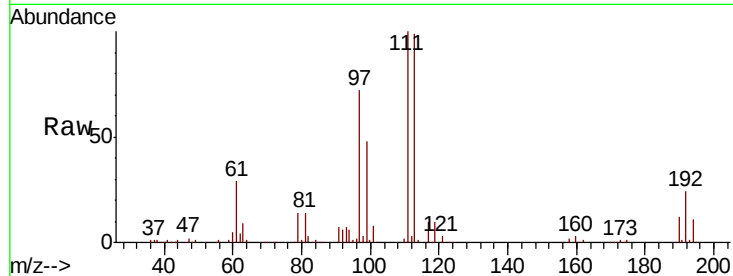
#35
 Dibromofluoromethane
 Concen: 46.32 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342961		
111	101.8	82.6	123.8	
192	23.7	18.0	27.0	

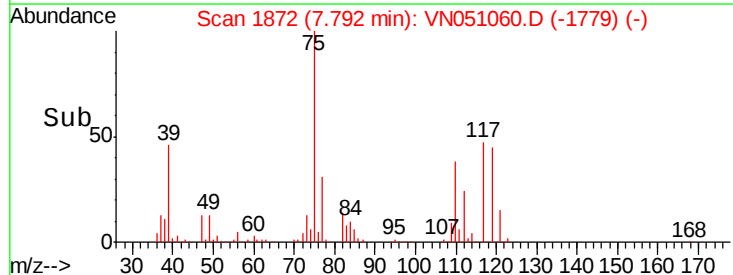
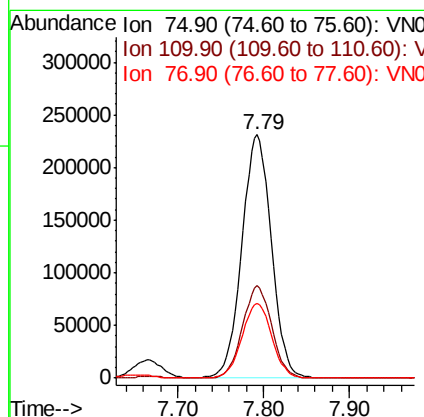
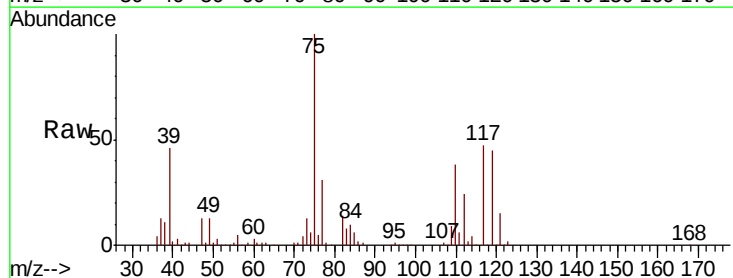
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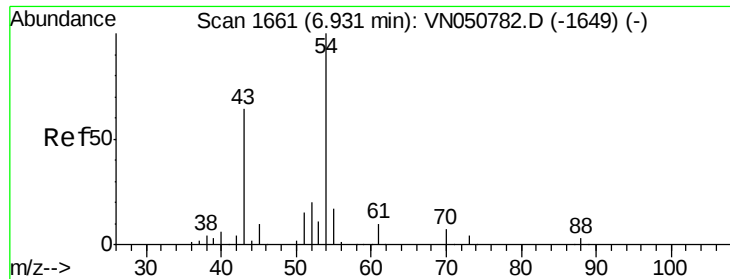
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#36
 1,1-Dichloropropene
 Concen: 50.09 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	550060		
110	37.6	18.1	54.4	
77	31.3	24.8	37.2	





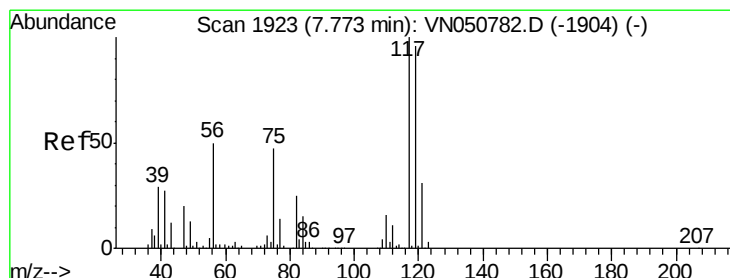
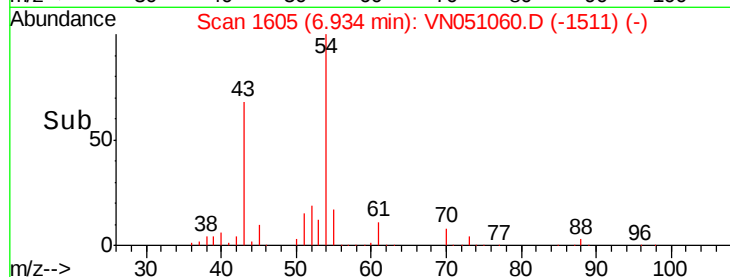
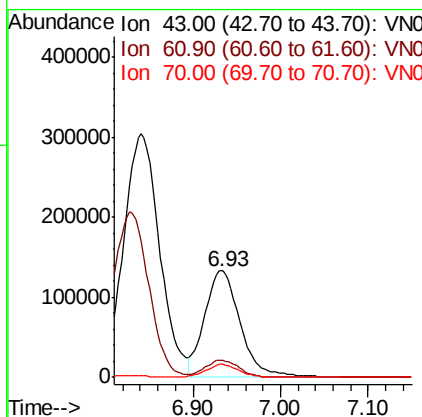
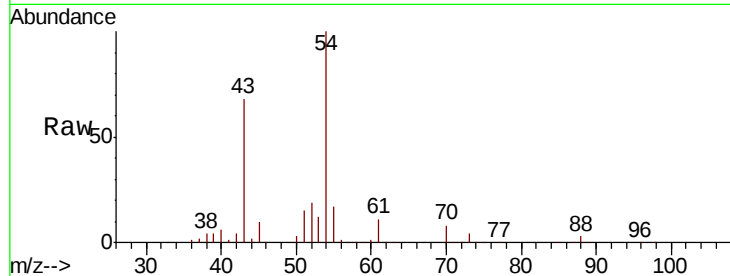
#37
Ethyl Acetate
Concen: 58.99 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	11.6	8.6	13.0

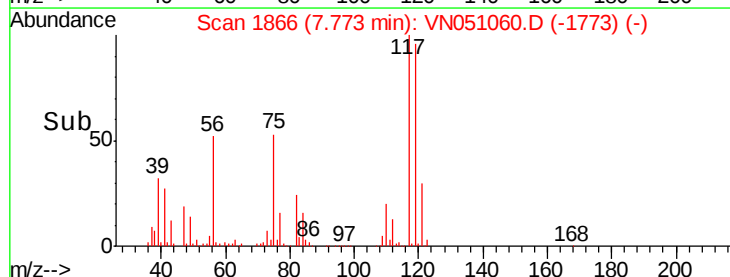
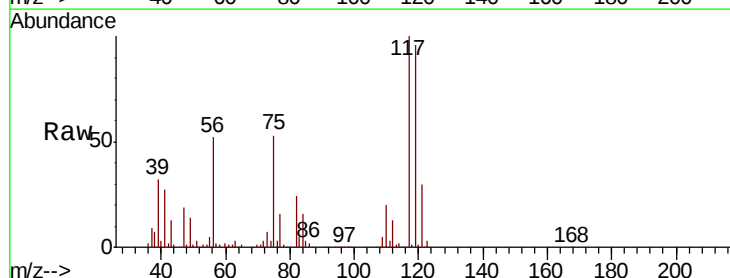
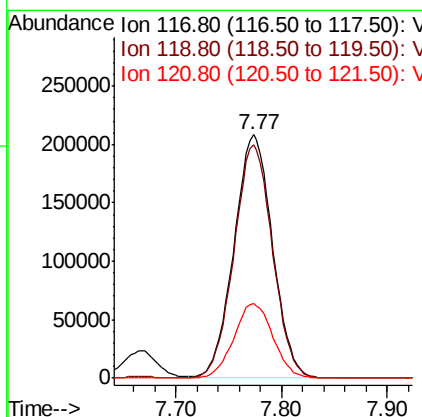
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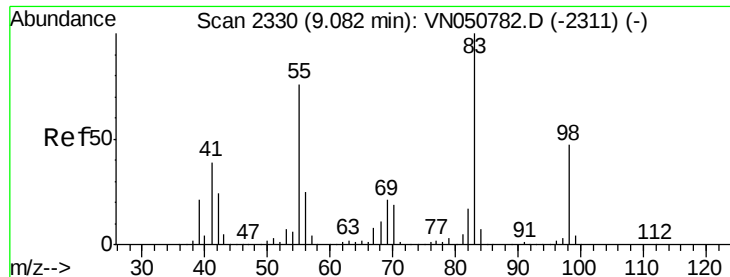
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#38
Carbon Tetrachloride
Concen: 47.62 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.4	24.6	36.8





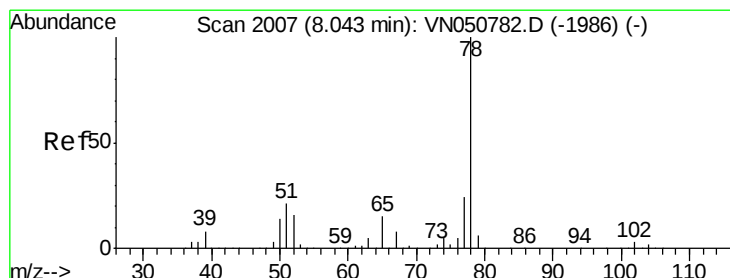
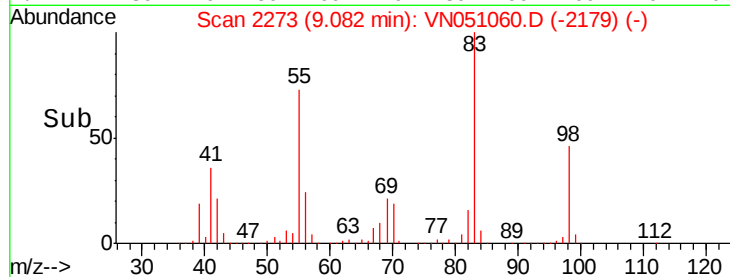
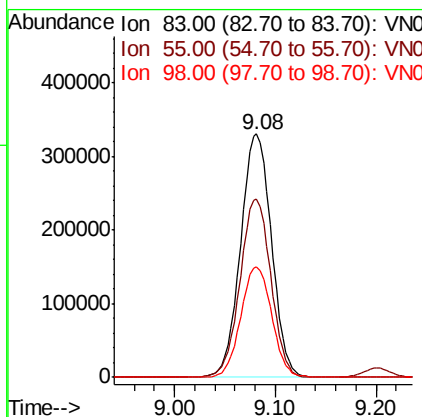
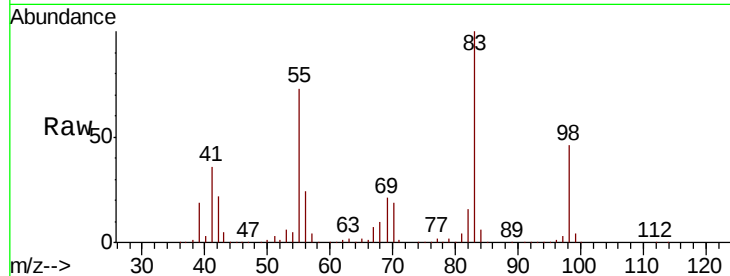
#39
Methvlcvclohexane
Concen: 58.90 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	699823		
55	73.0		61.0	91.4
98	45.6		37.5	56.3

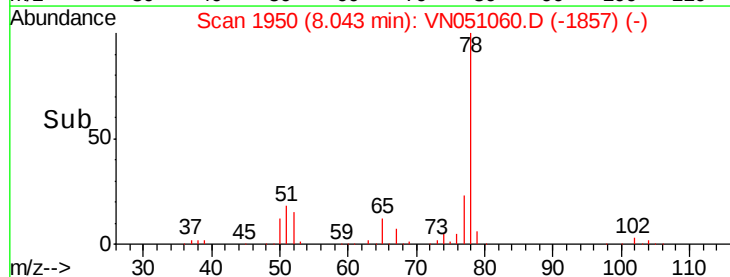
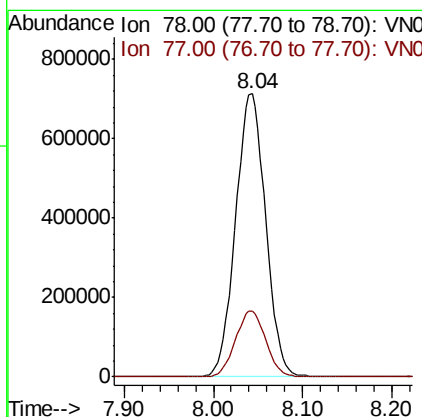
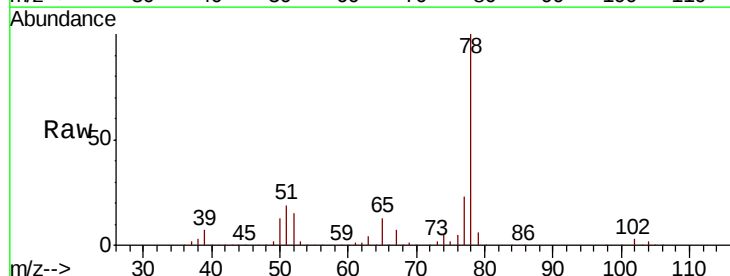
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#40
Benzene
Concen: 50.41 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1669535		
77	23.4		19.0	28.4





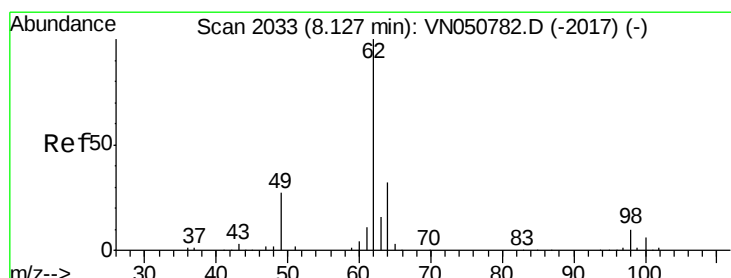
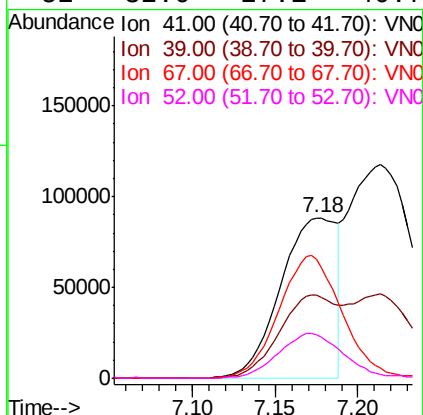
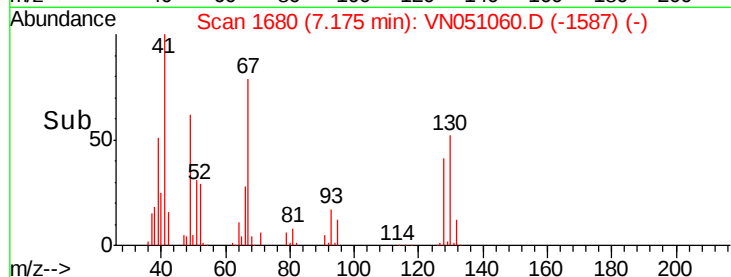
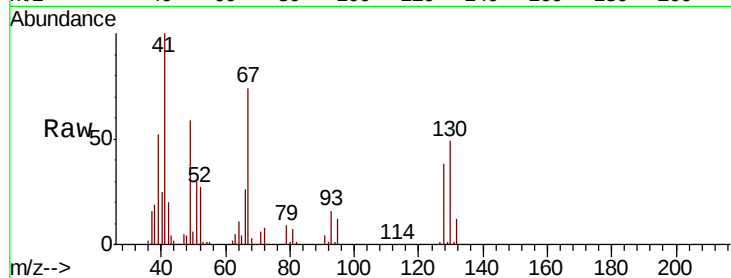
#41
Methacrylonitrile
Concen: 61.04 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		208400		
39	51.4	45.4	68.0		
67	86.4	70.6	106.0		
52	32.0	27.1	40.7		

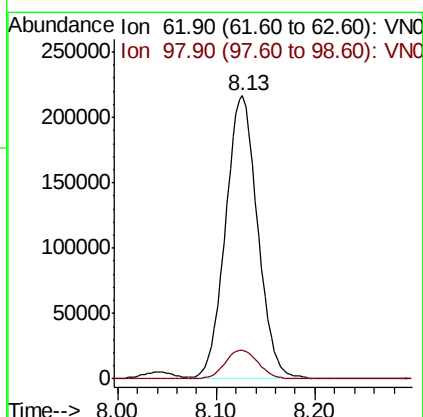
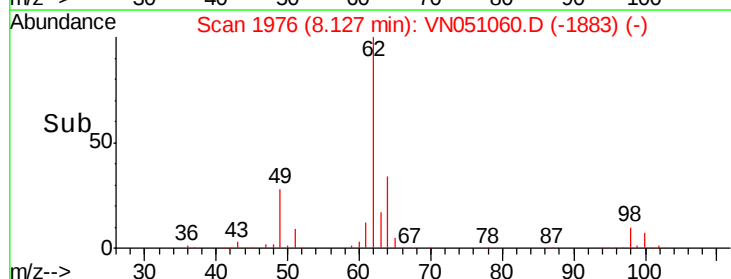
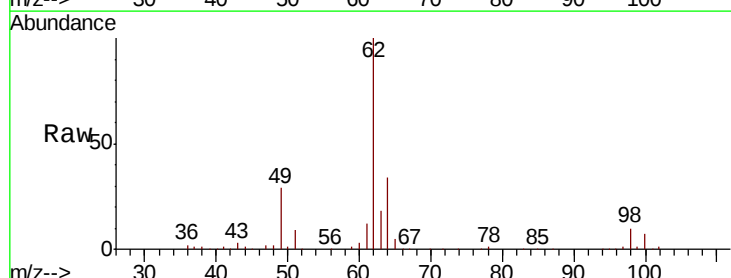
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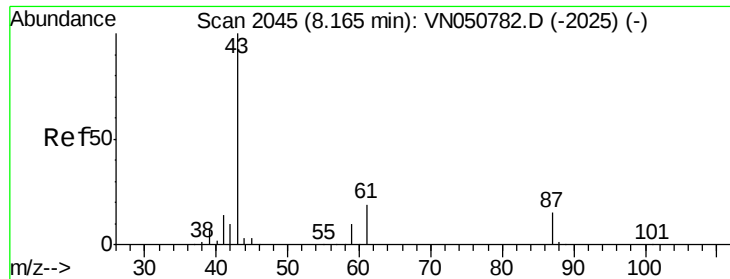
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#42
1,2-Dichloroethane
Concen: 49.59 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		491004		
98	10.5	0.0	19.6		





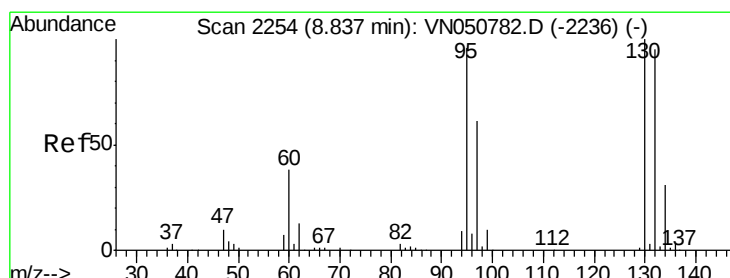
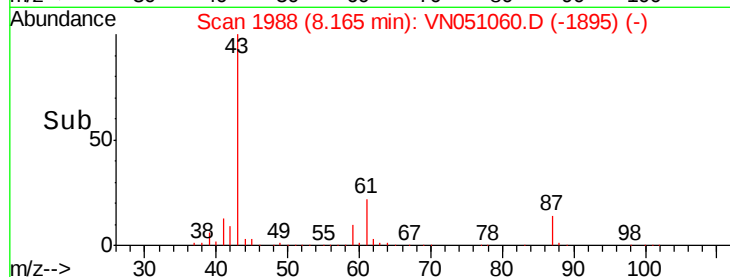
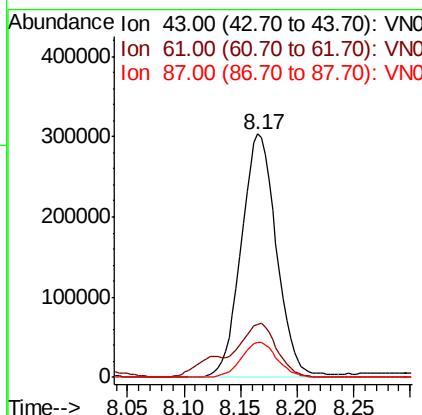
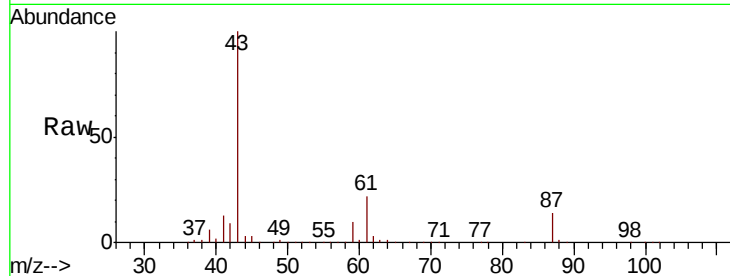
#43
Isopropyl Acetate
Concen: 60.47 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.5	26.3
87	14.7	11.3	16.9

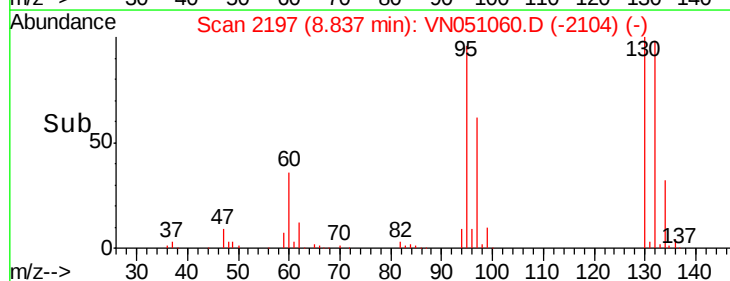
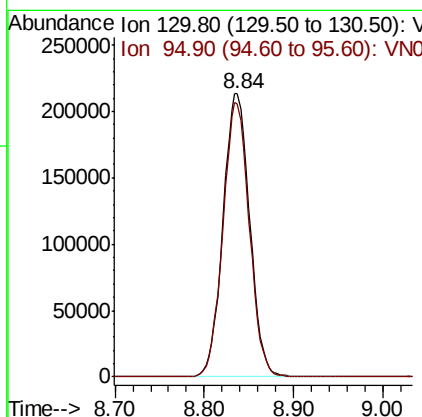
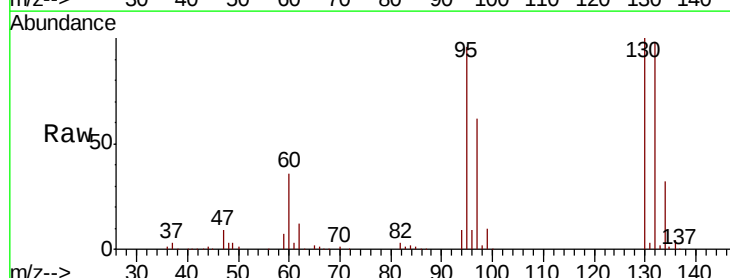
Manual Integrations
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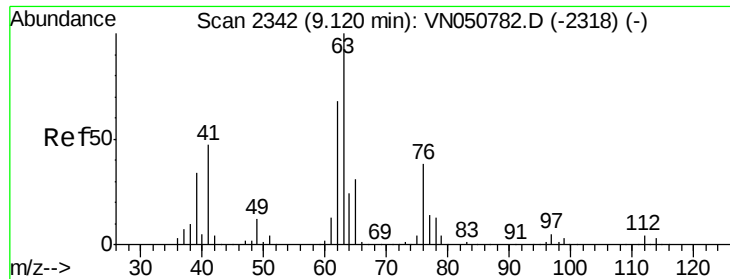
MMDadoda
9/10/2018 11:54:06 AM



#44
Trichloroethene
Concen: 50.50 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	193.0





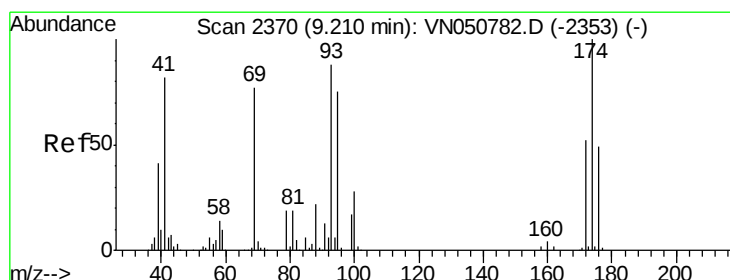
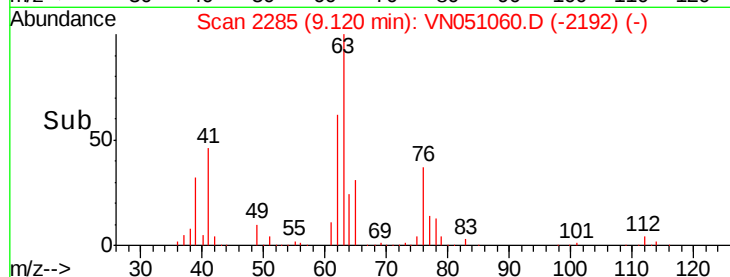
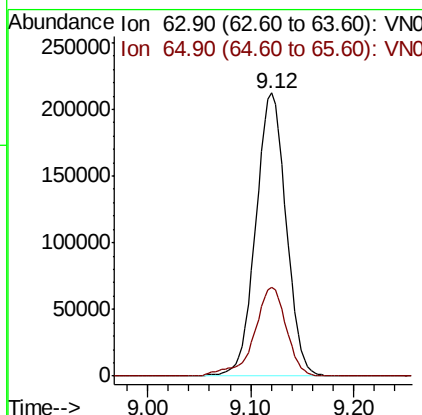
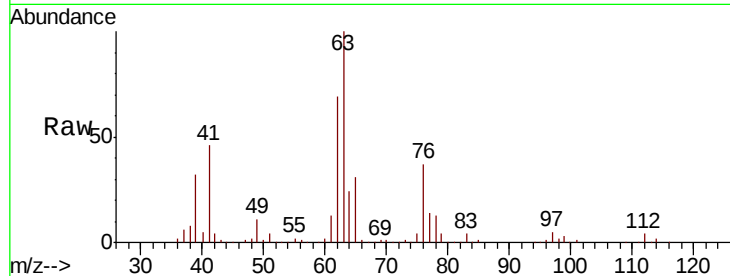
#45
 1,2-Dichloropropane
 Concen: 49.73 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion: 63 Resp: 432872
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

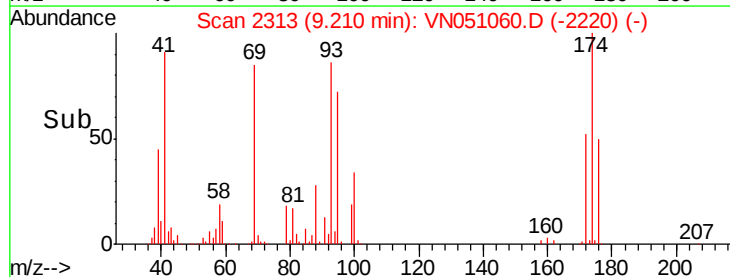
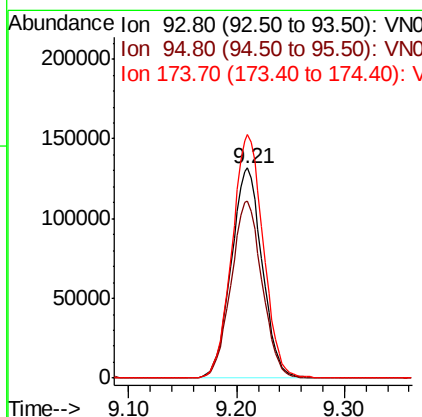
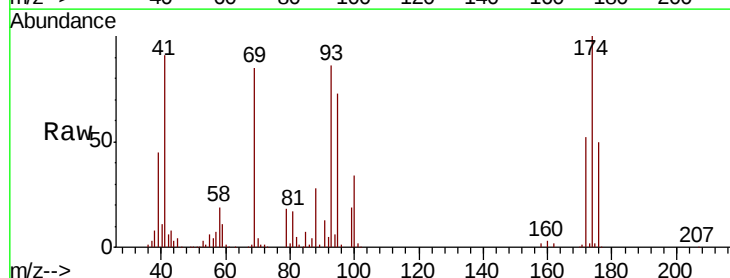
Manual Integrations
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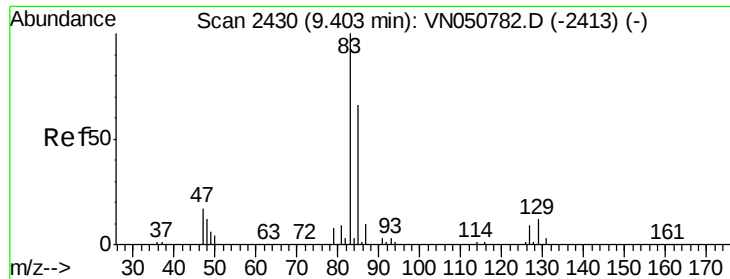
MMDadoda
 9/10/2018 11:54:06 AM



#46
 Dibromomethane
 Concen: 51.52 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 93 Resp: 263453
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 116.9 89.8 134.6





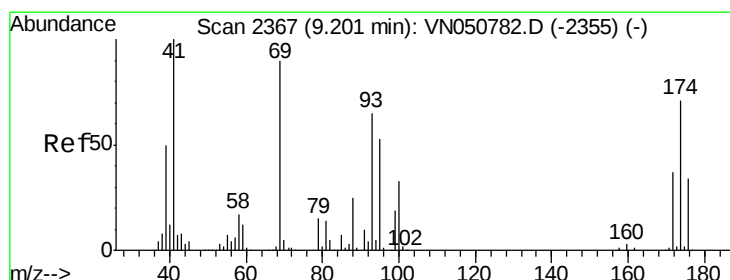
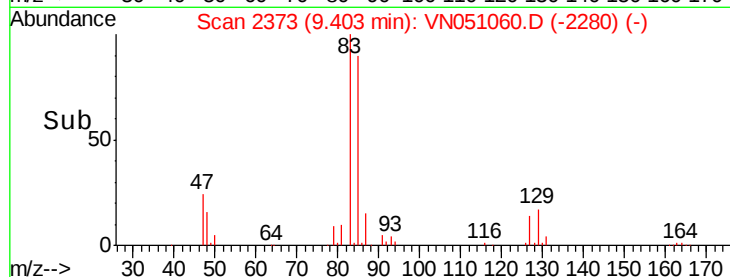
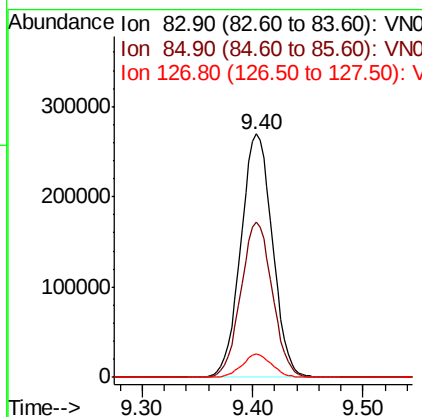
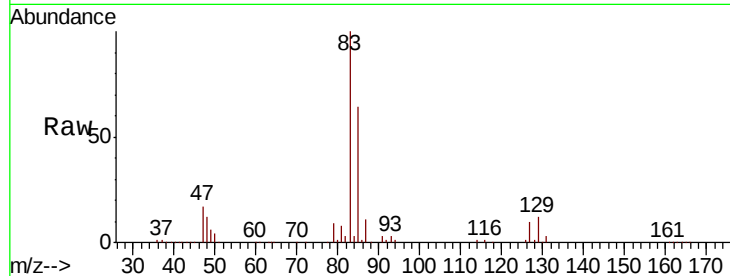
#47
Bromodichloromethane
Concen: 49.94 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	83	Resp	534967
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	52.6	78.8
127	9.5	7.2	10.8

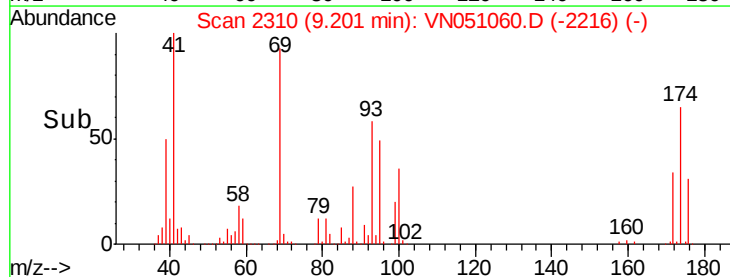
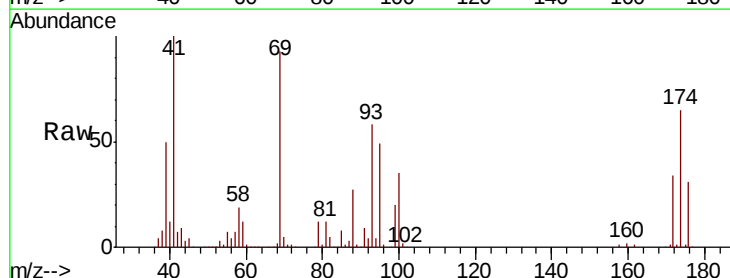
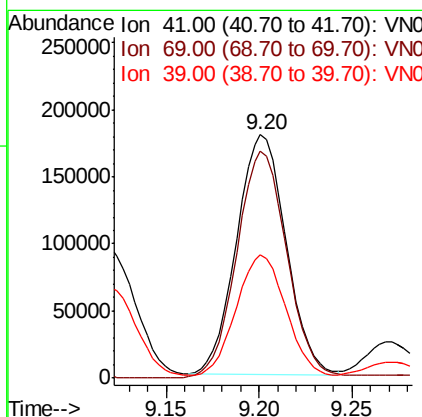
Manual Integrations
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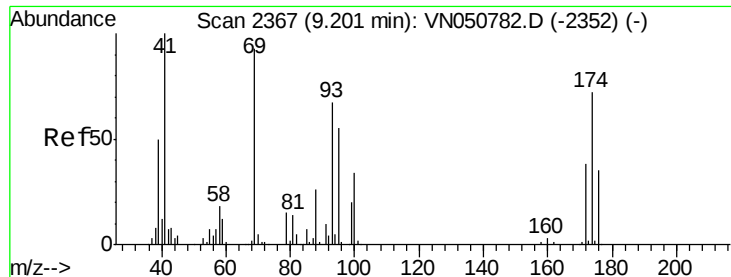
MMDadoda
9/10/2018 11:54:06 AM



#48
Methyl methacrylate
Concen: 60.13 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	41	Resp	332403
Ion Ratio	100	Lower	Upper
41	100		
69	95.8	74.7	112.1
39	52.0	42.2	63.2





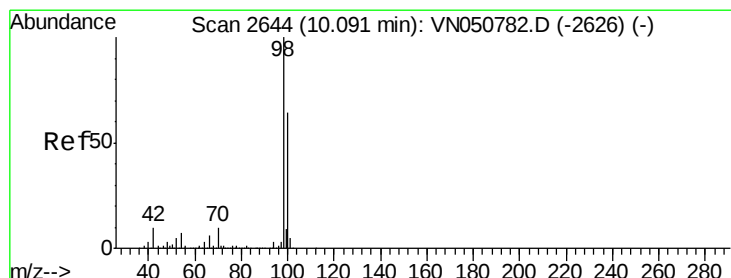
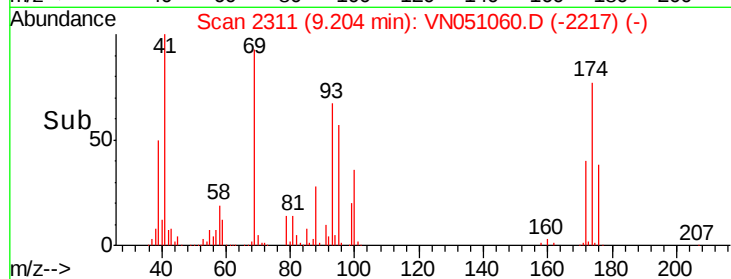
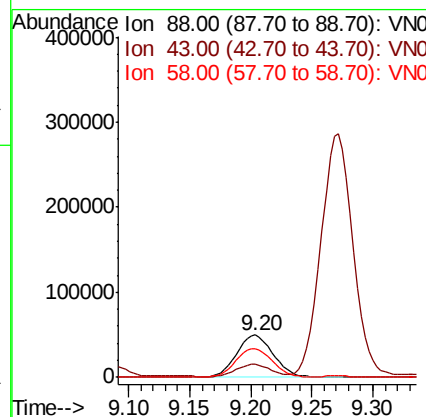
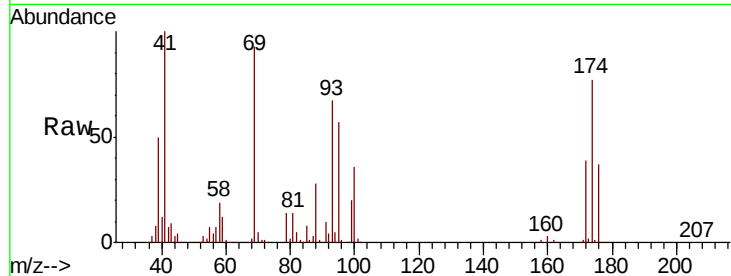
#49
1,4-Dioxane
Concen: 1384.07 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	27.0	25.9	38.9	
58	68.2	55.0	82.4	

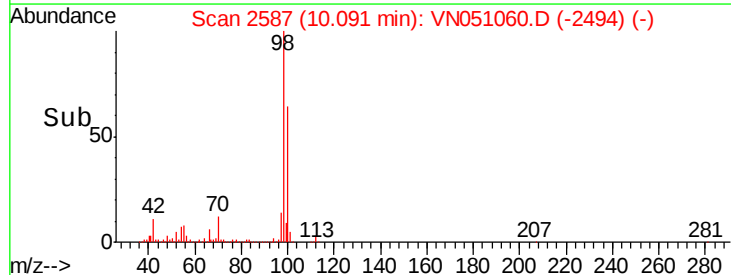
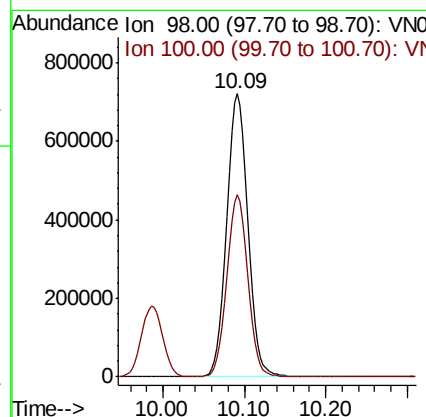
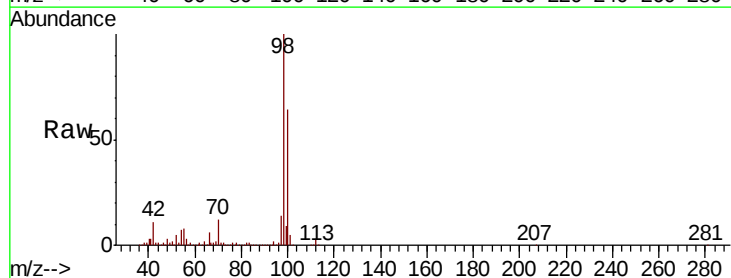
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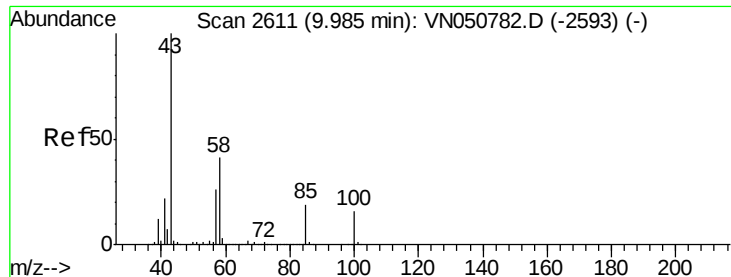
MMDadoda
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#50
Toluene-d8
Concen: 48.14 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





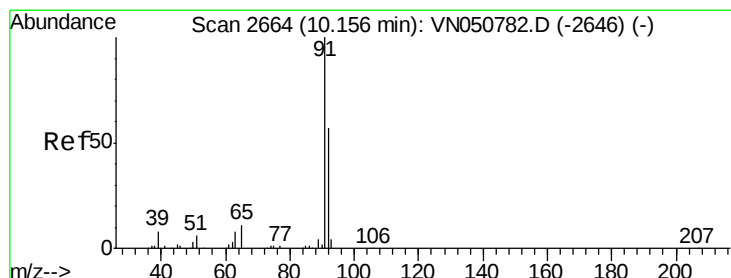
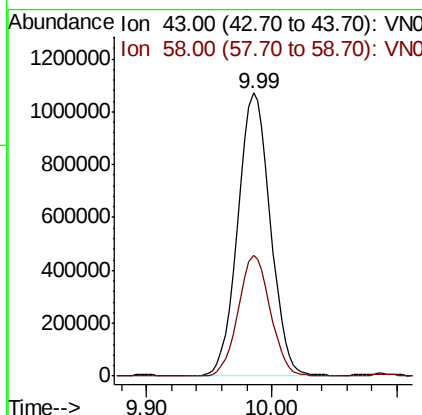
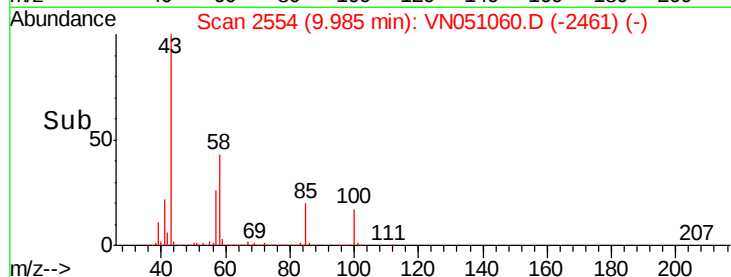
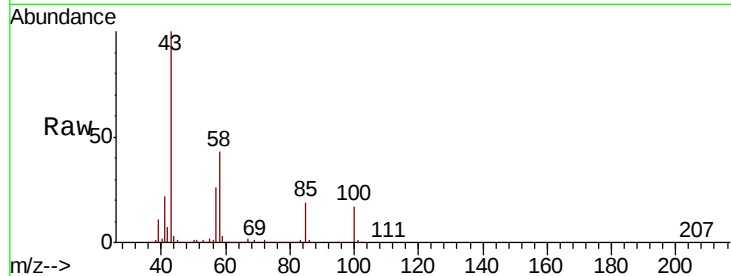
#51
4-Methyl-2-Pentanone
Concen: 297.50 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 1925638
Ion Ratio Lower Upper
43 100
58 42.3 32.4 48.6

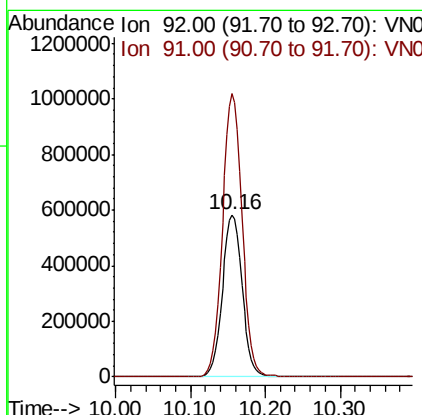
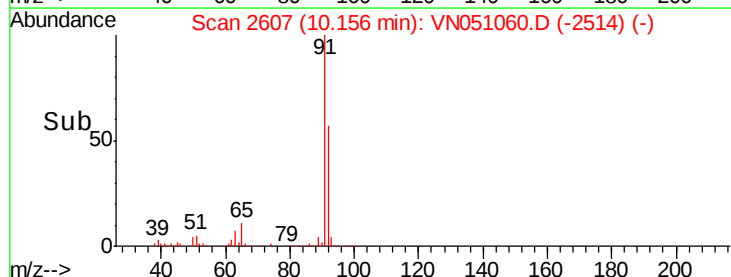
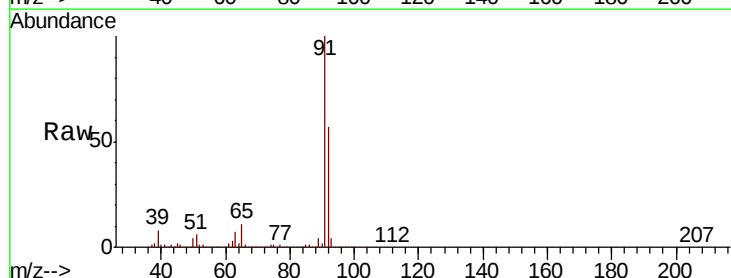
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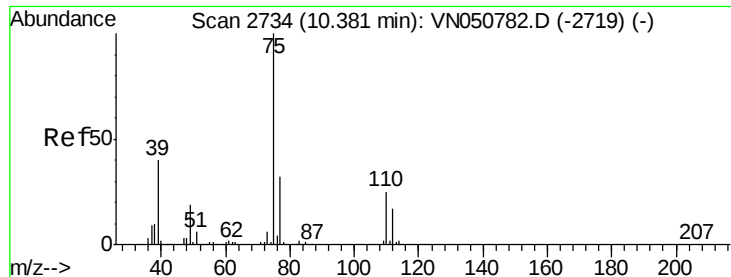
MMDadoda
9/10/2018 11:54:06 AM



#52
Toluene
Concen: 54.12 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 92 Resp: 1061626
Ion Ratio Lower Upper
92 100
91 173.0 140.6 211.0





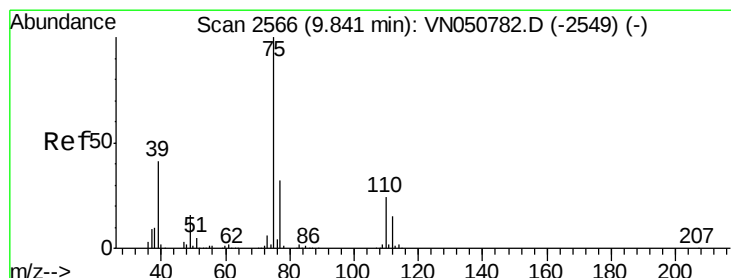
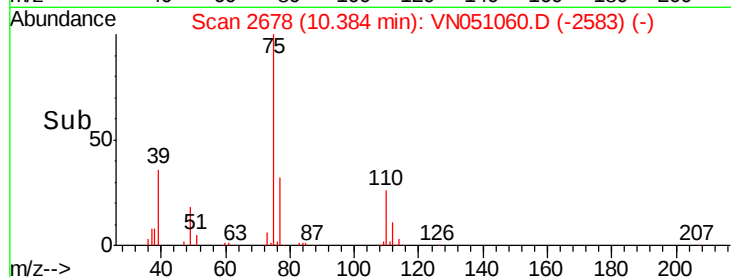
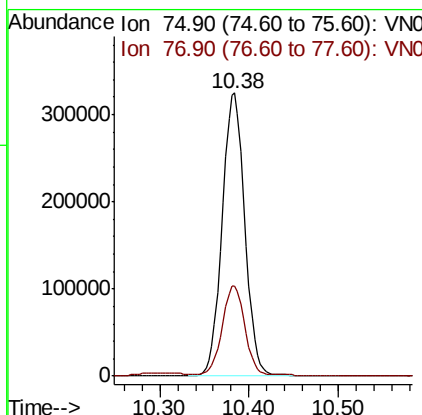
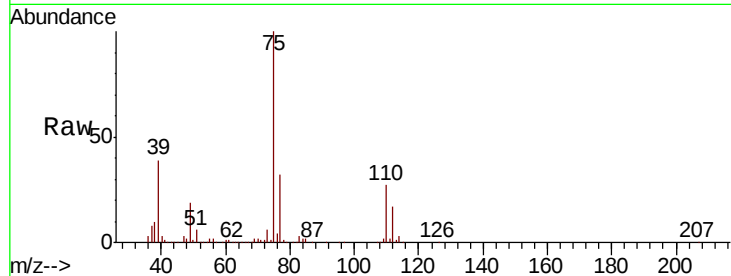
#53
t-1,3-Dichloropropene
Concen: 53.58 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5

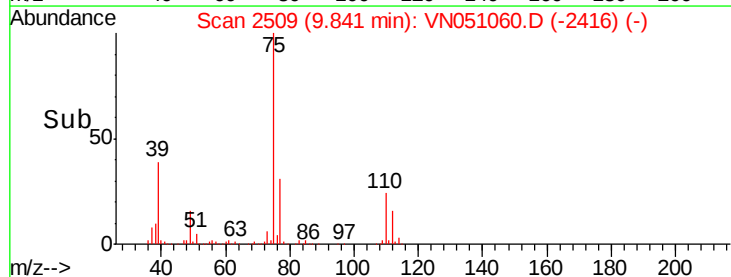
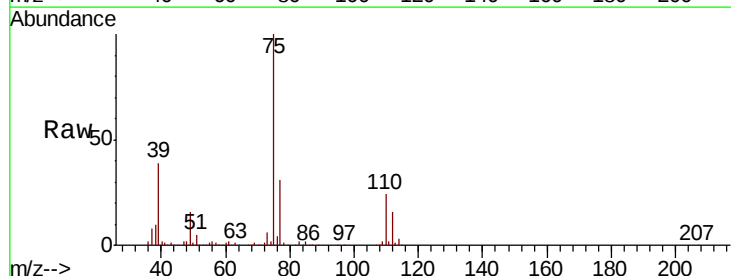
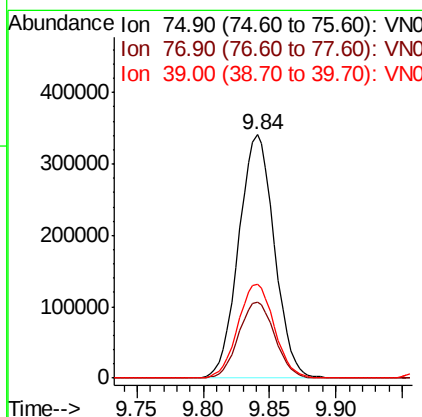
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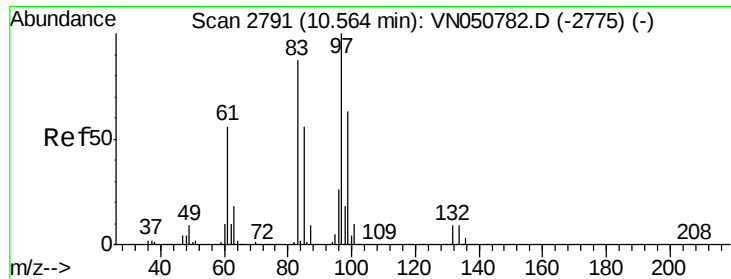
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.16 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	38.6	33.0	49.4





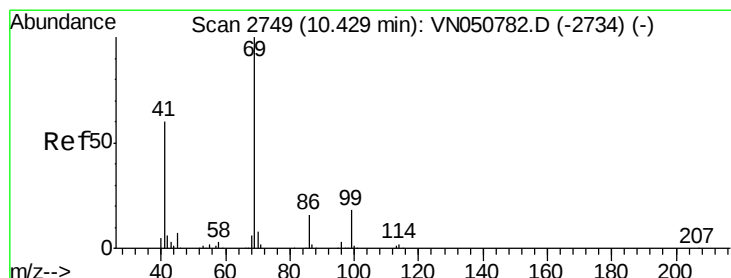
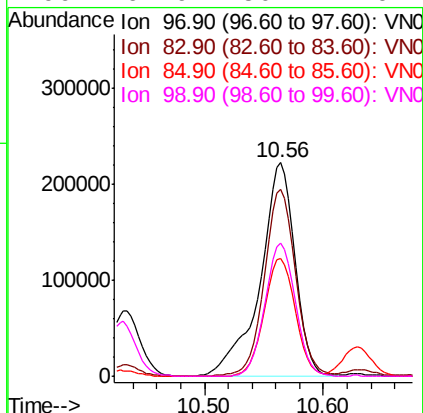
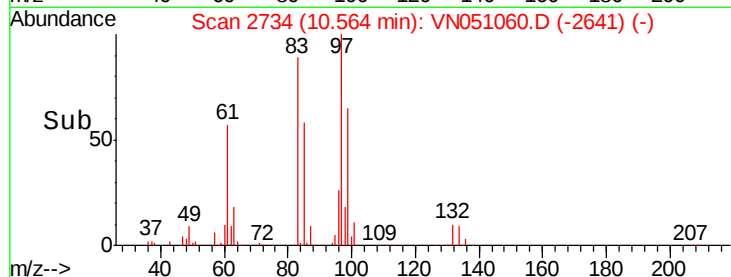
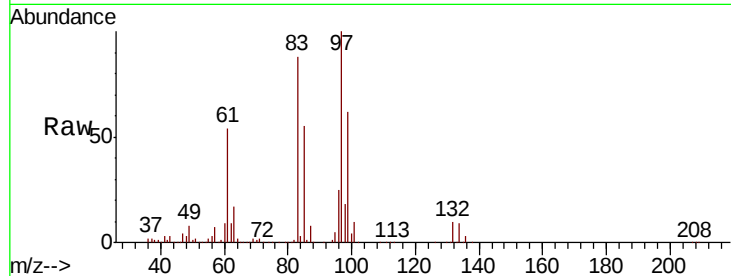
#55
 1,1,2-Trichloroethane
 Concen: 62.32 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion:	97	Resp:	453802
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.7	104.5
85	55.3	44.5	66.7
99	61.9	50.7	76.1

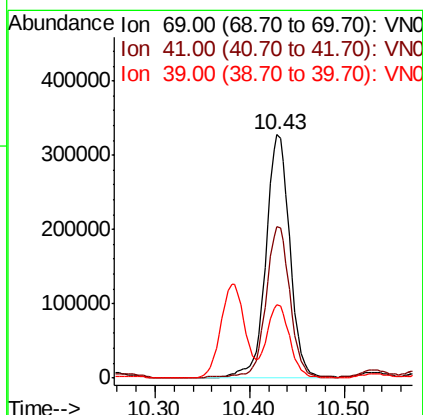
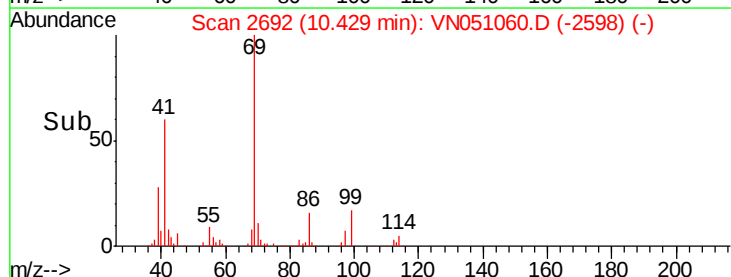
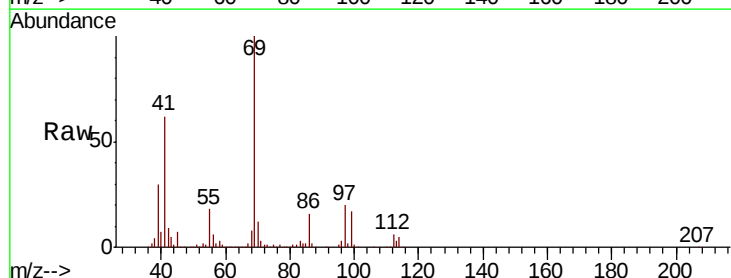
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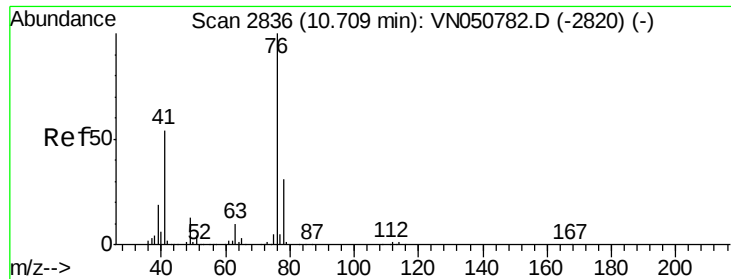
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#56
 Ethyl methacrylate
 Concen: 60.20 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion:	69	Resp:	575009
Ion	Ratio	Lower	Upper
69	100		
41	63.1	48.3	72.5
39	28.8	24.0	36.0





#57

1,3-Dichloropropane

Concen: 54.55 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 76 Resp: 655575

Ion Ratio Lower Upper

76 100

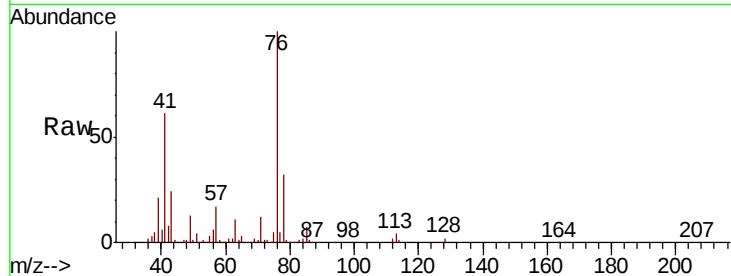
78 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

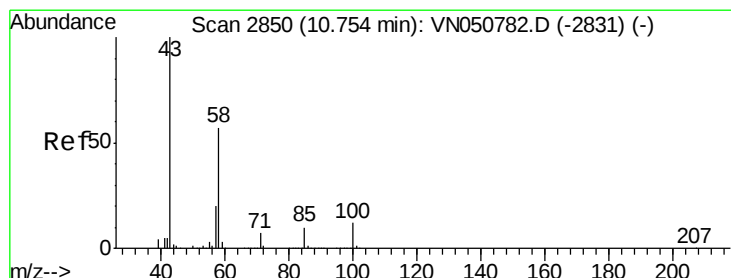
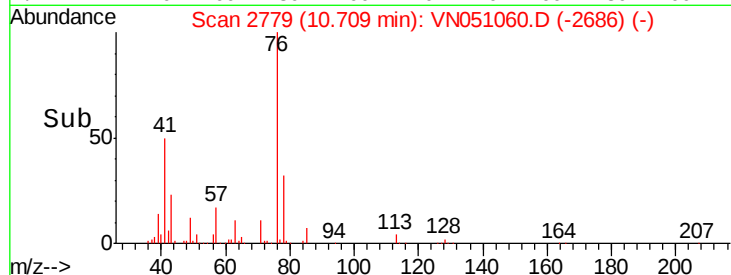
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 357.53 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN051060.D

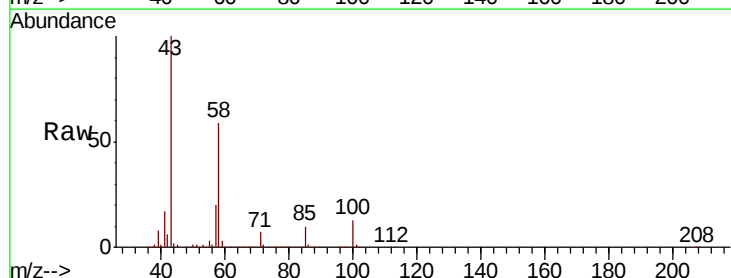
Acq: 7 Sep 2018 17:54

Tgt Ion: 43 Resp: 1540613

Ion Ratio Lower Upper

43 100

58 50.9 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

800000

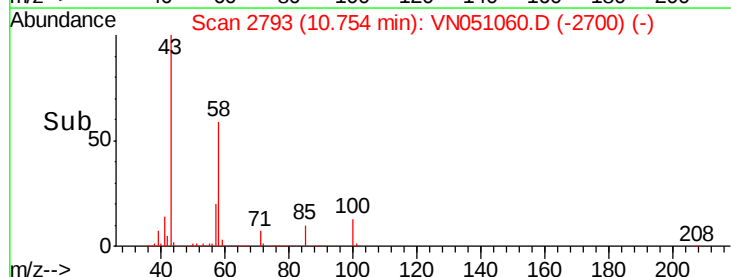
600000

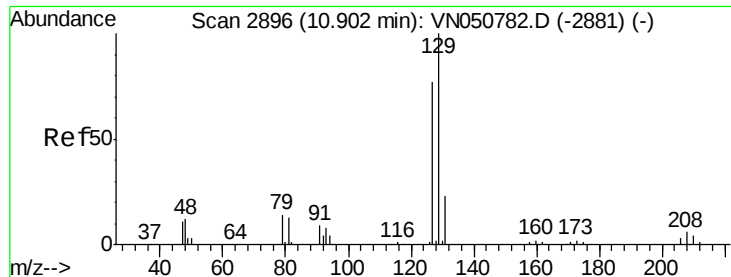
400000

200000

0

Time-->





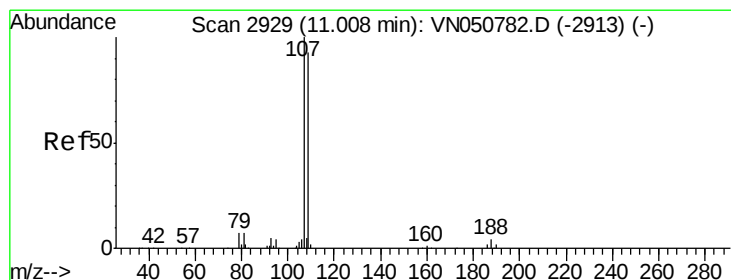
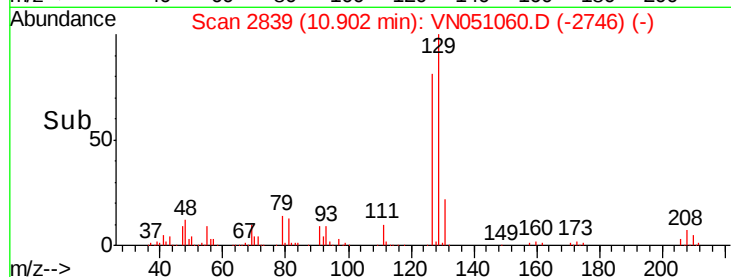
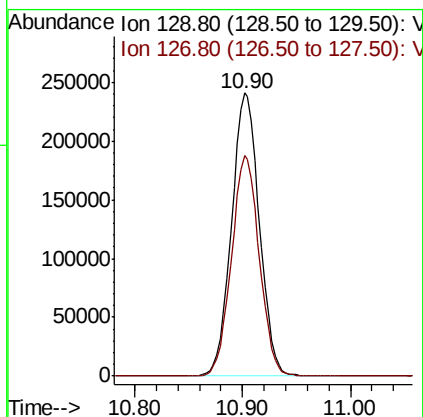
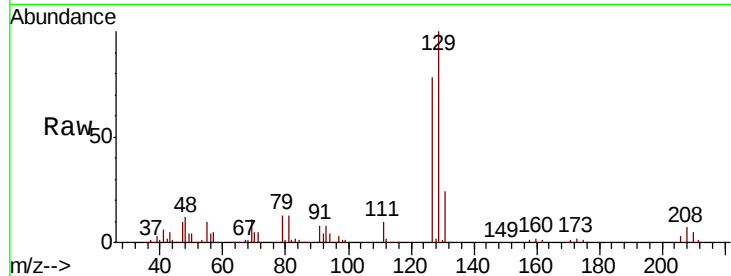
#60
 Dibromochloromethane
 Concen: 53.01 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.3	114.9

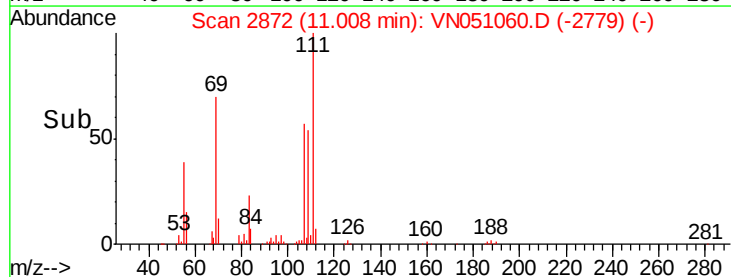
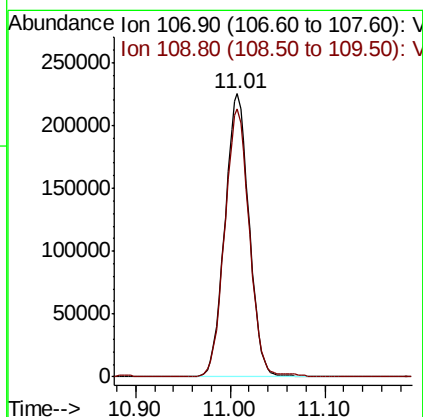
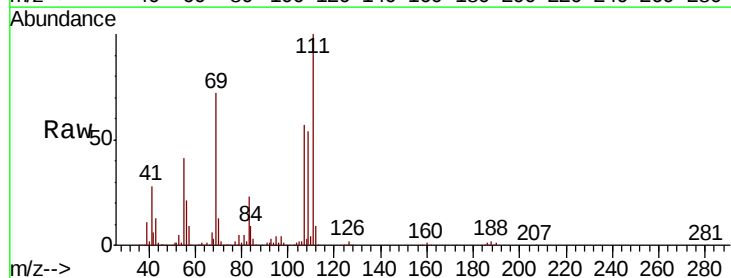
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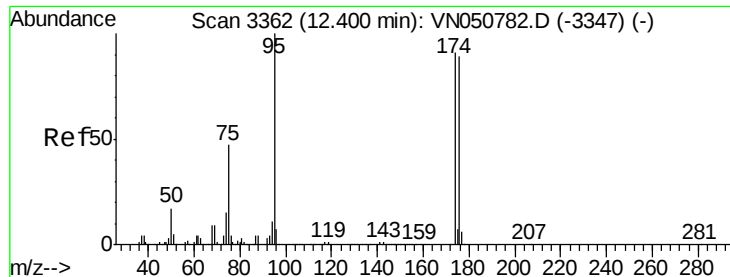
MMDadoda
 9/10/2018 11:54:06 AM



#61
 1,2-Dibromoethane
 Concen: 56.84 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2





#62

4-Bromofluorobenzene

Concen: 65.14 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

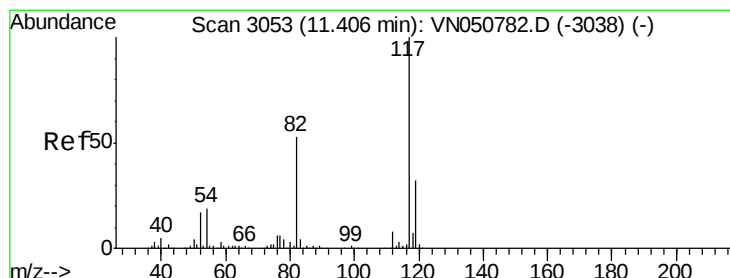
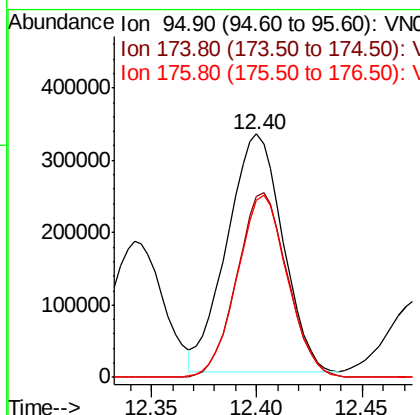
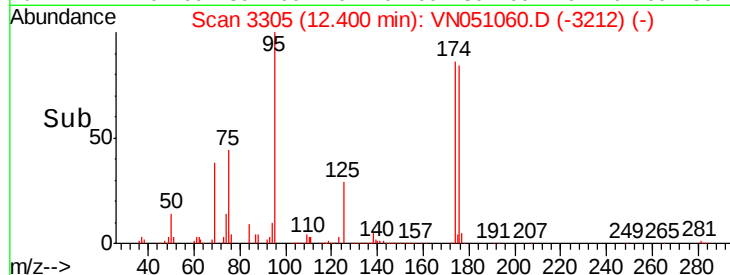
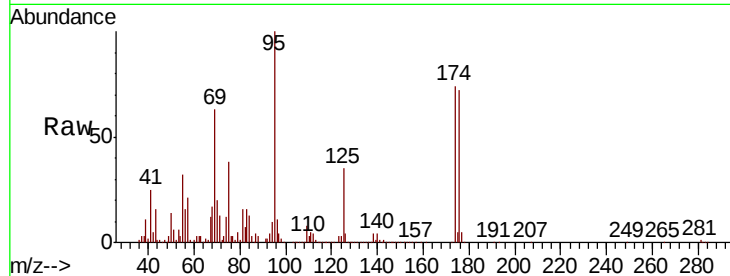
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	95	Resp:	599235
Ion Ratio	Lower	Upper	
95	100		
174	71.0	0.0	183.0
176	69.7	0.0	178.8

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

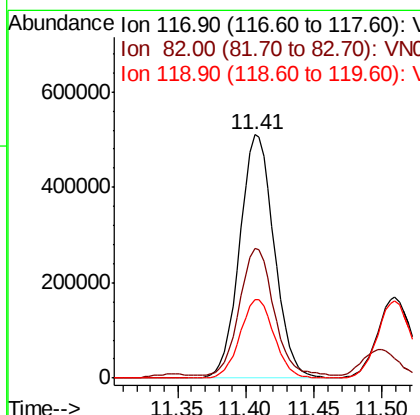
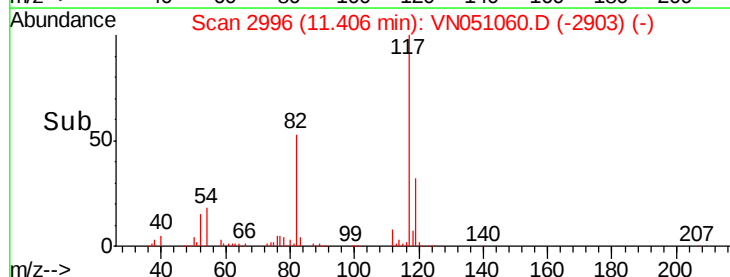
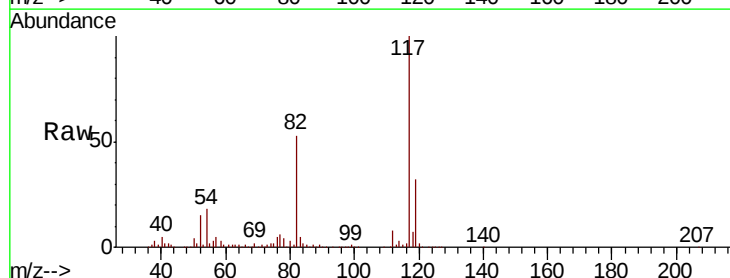
RT: 11.41 min Scan# 2996

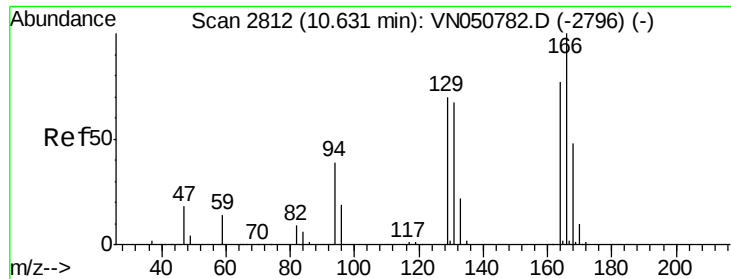
Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	117	Resp:	894409
Ion Ratio	Lower	Upper	
117	100		
82	51.8	42.6	64.0
119	32.4	25.8	38.6





#64

Tetrachloroethene

Concen: 47.89 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:164 Resp: 406861

Ion Ratio Lower Upper

164 100

166 131.2 103.5 155.3

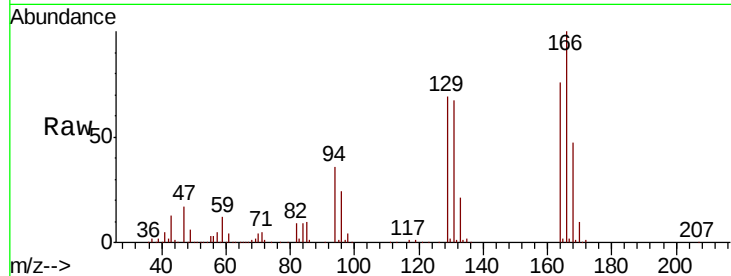
129 90.3 72.7 109.1

131 88.3 69.5 104.3

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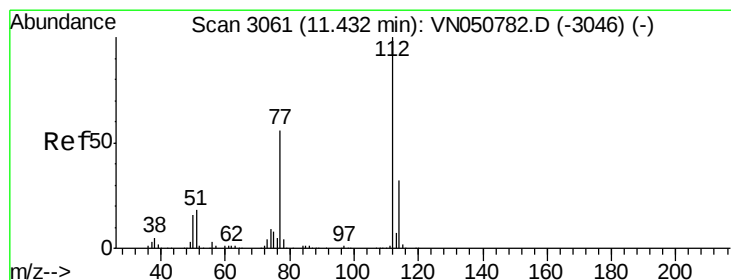
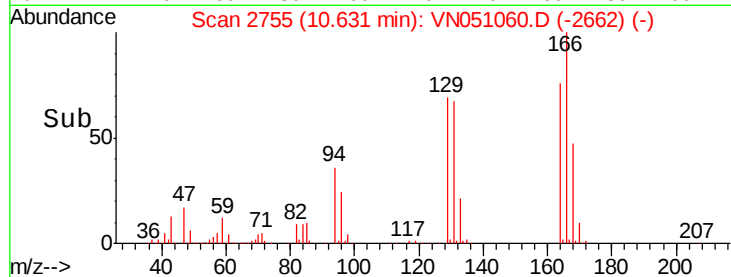
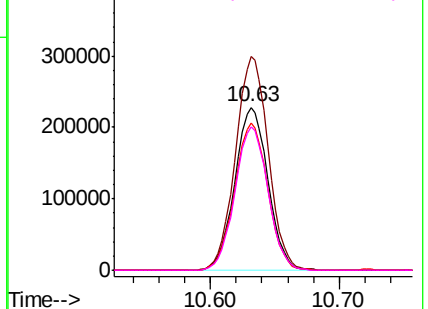


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.75 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051060.D

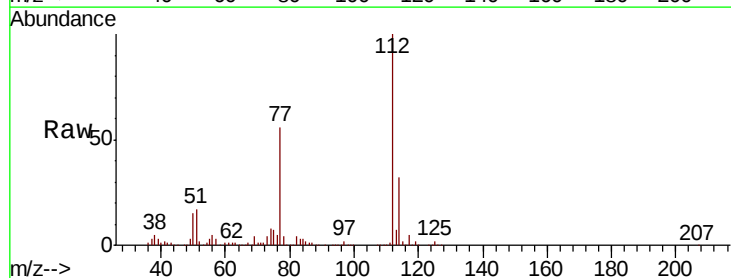
Acq: 7 Sep 2018 17:54

Tgt Ion:112 Resp: 1186455

Ion Ratio Lower Upper

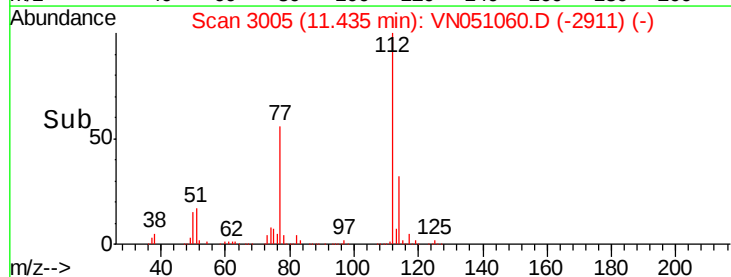
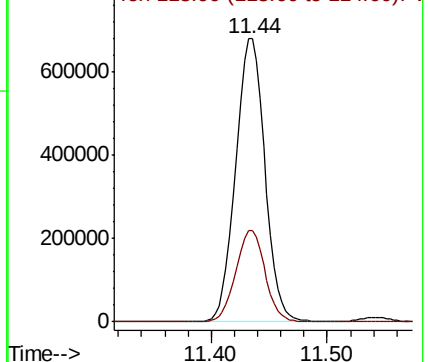
112 100

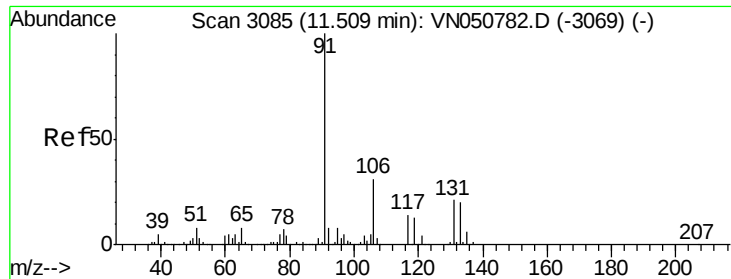
114 32.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.37 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

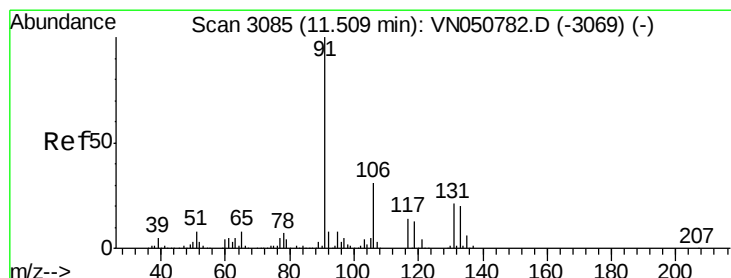
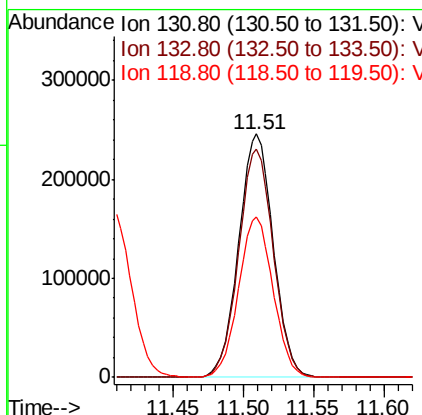
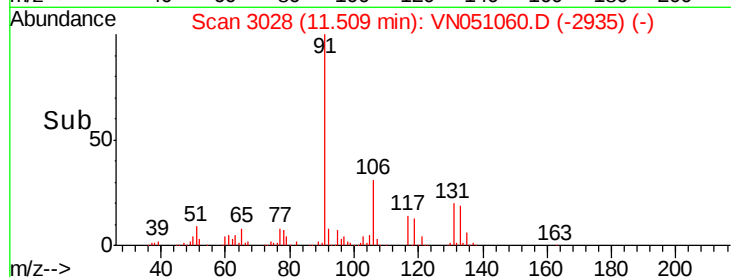
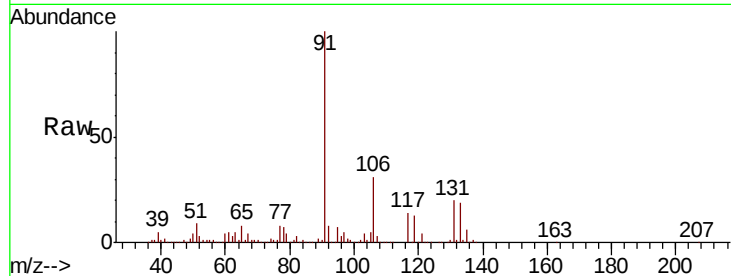
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	131	Resp:	422308
Ion Ratio	Lower	Upper	
131	100		
133	94.3	47.4	142.3
119	65.8	32.8	98.4

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#67

Ethyl Benzene

Concen: 53.45 ug/l

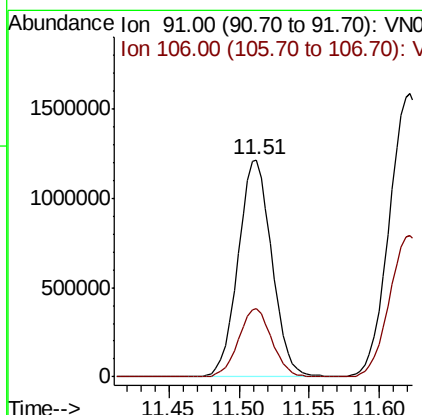
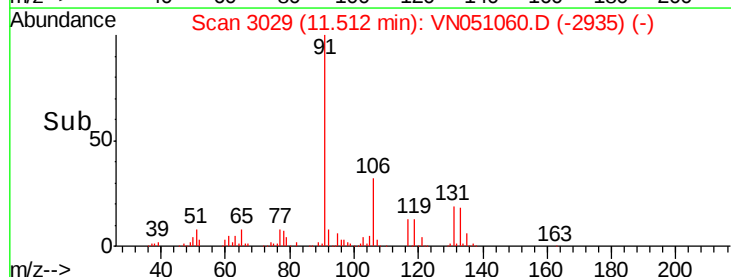
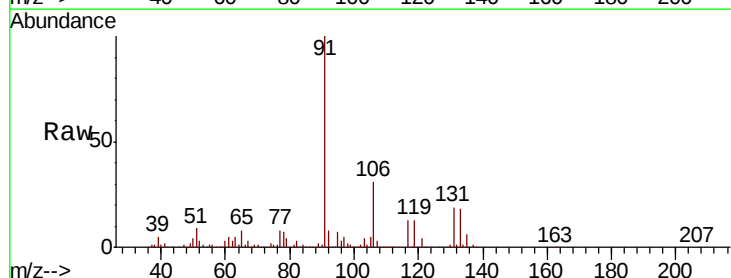
RT: 11.51 min Scan# 3029

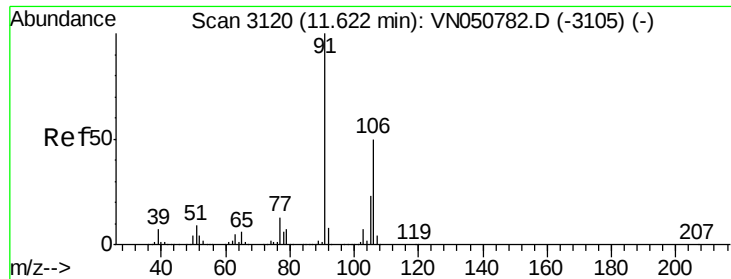
Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	91	Resp:	2031363
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.0	37.4





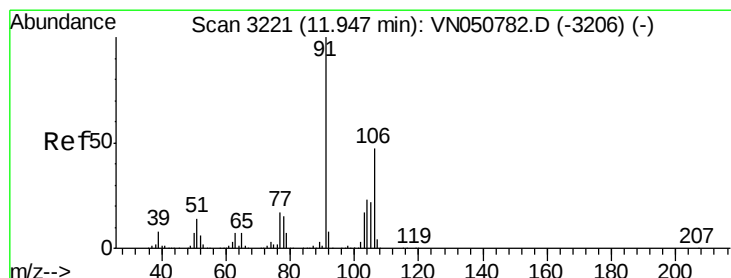
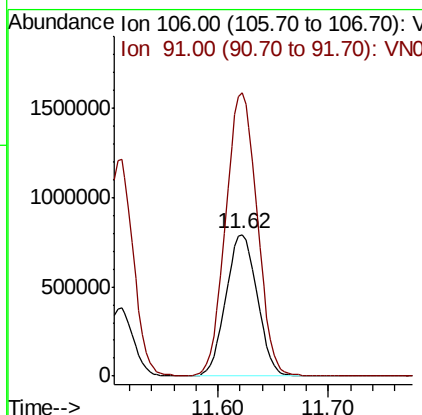
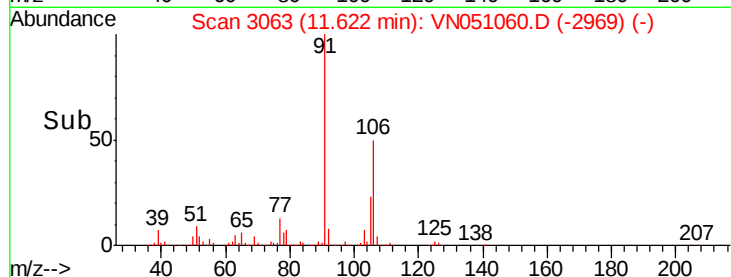
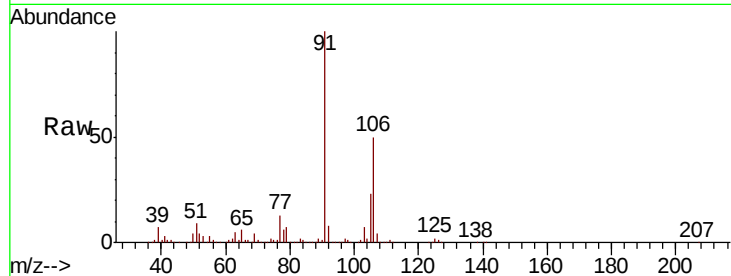
#68
m/p-Xylenes
Concen: 108.47 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion:106 Resp: 1564857
Ion Ratio Lower Upper
106 100
91 199.9 161.0 241.6

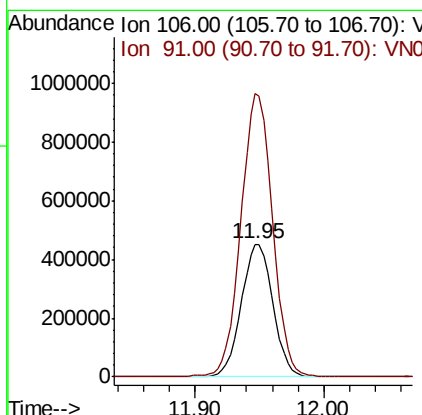
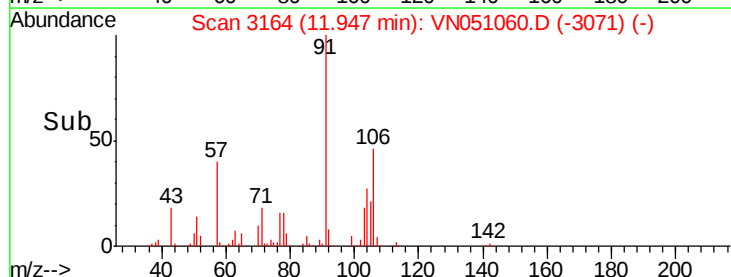
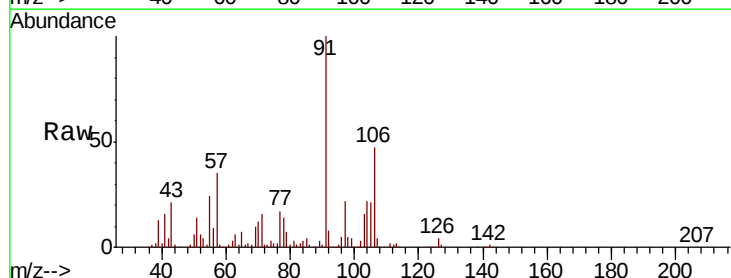
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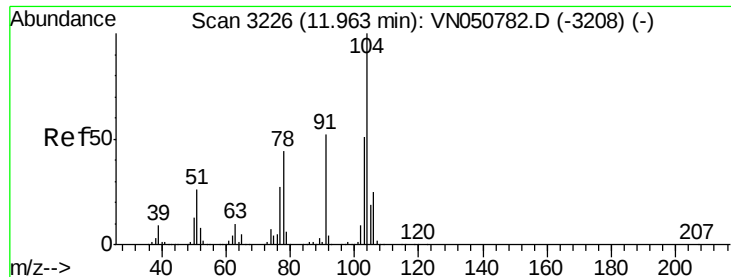
MMDadoda
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#69
o-Xylene
Concen: 55.24 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:106 Resp: 766077
Ion Ratio Lower Upper
106 100
91 215.2 106.5 319.5





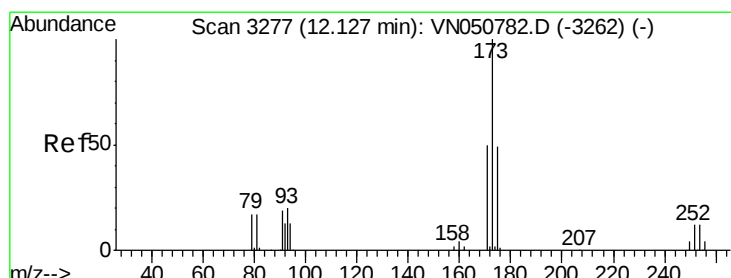
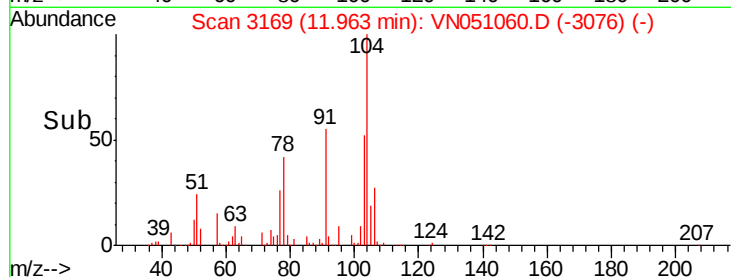
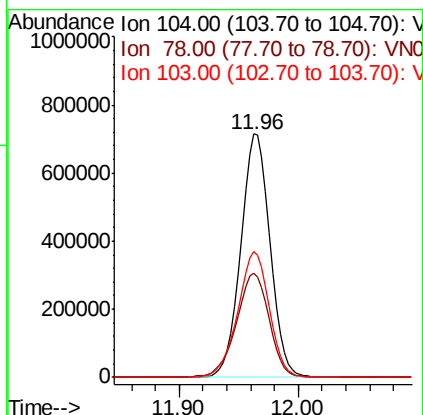
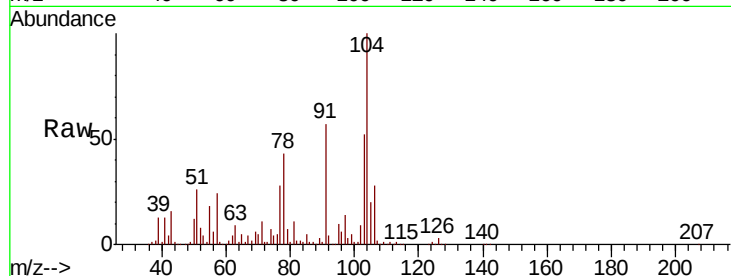
#70
Stvrene
Concen: 49.72 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.2	57.4
103	55.7	44.4	66.6

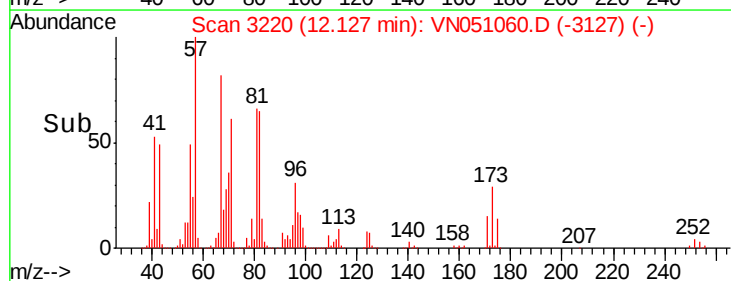
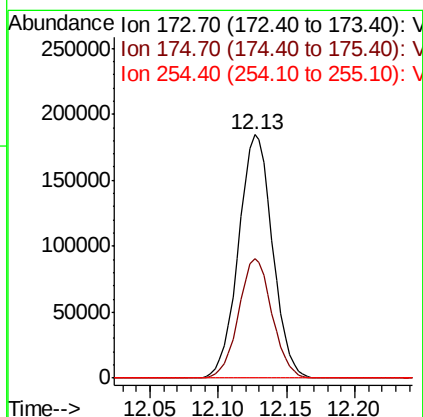
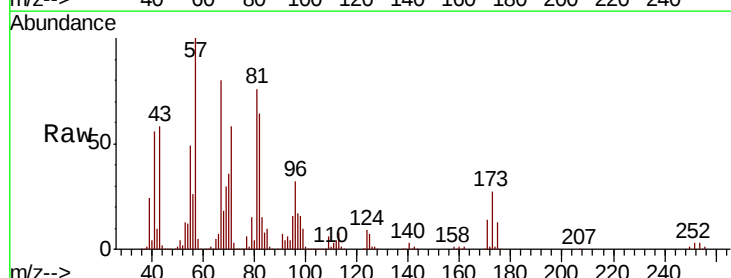
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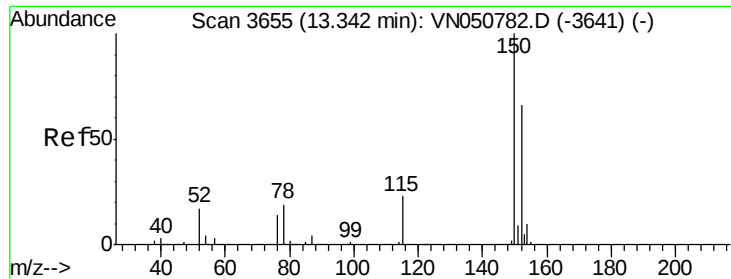
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#71
Bromoform
Concen: 54.21 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:152 Resp: 498965

Ion Ratio Lower Upper

152 100

115 50.8 27.8 83.4

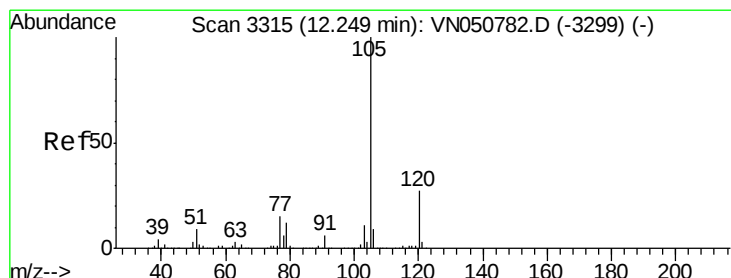
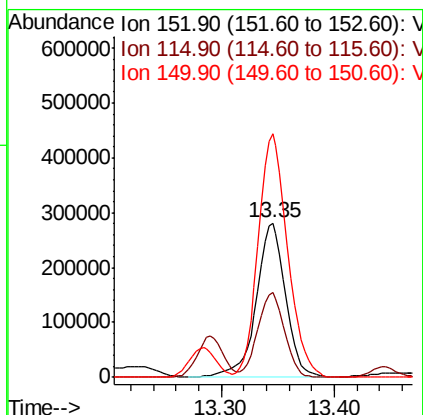
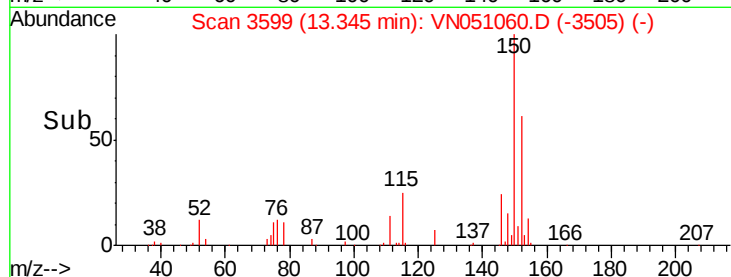
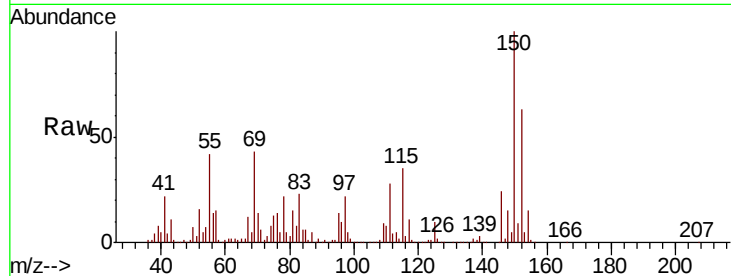
150 160.0 0.0 351.4

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#73

Isopropylbenzene

Concen: 72.15 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051060.D

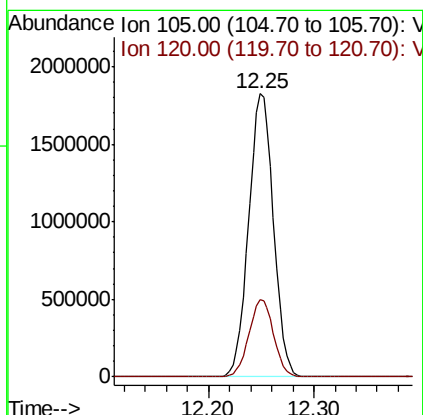
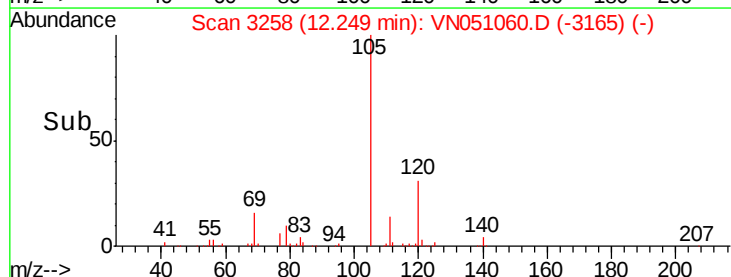
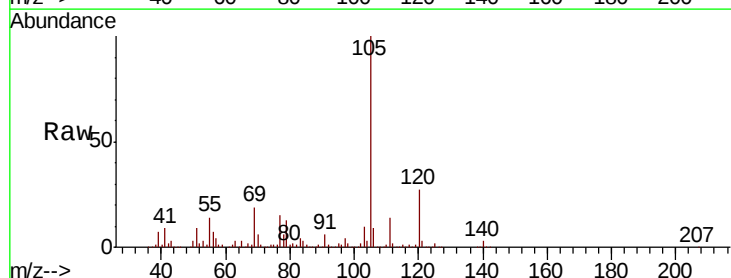
Acq: 7 Sep 2018 17:54

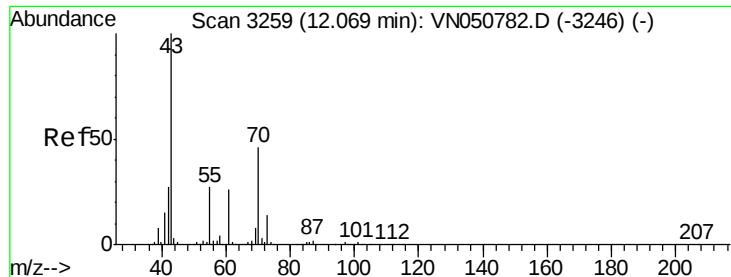
Tgt Ion:105 Resp: 2980755

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4





#74

N-amvl acetate

Concen: 188.01 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 1951775

Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

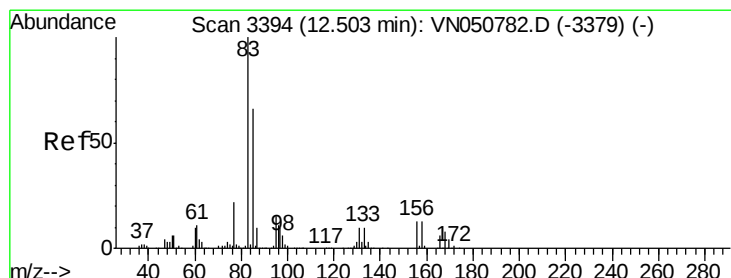
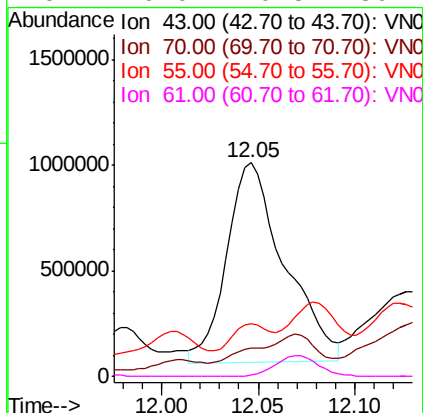
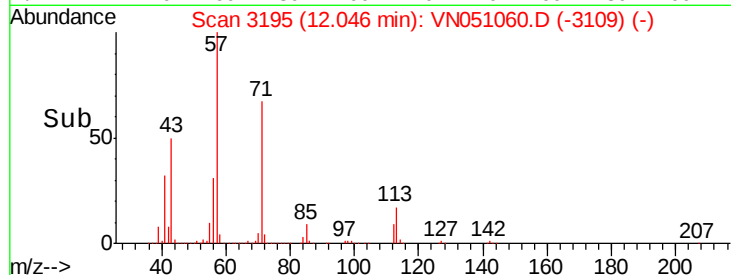
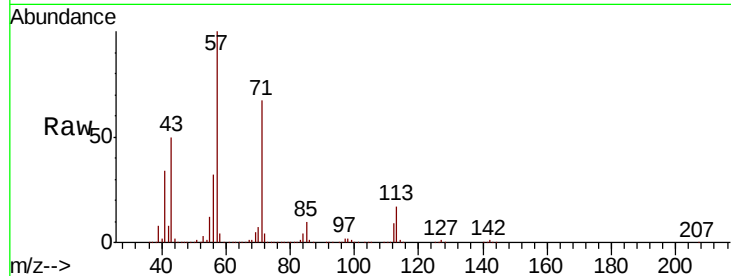
55 16.9 21.8 32.8#

61 0.0 20.5 30.7#

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#75

1,1,2,2-Tetrachloroethane

Concen: 74.72 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

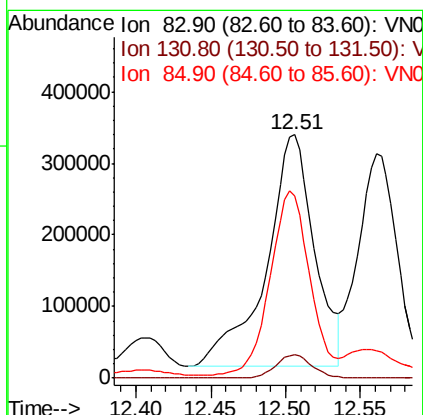
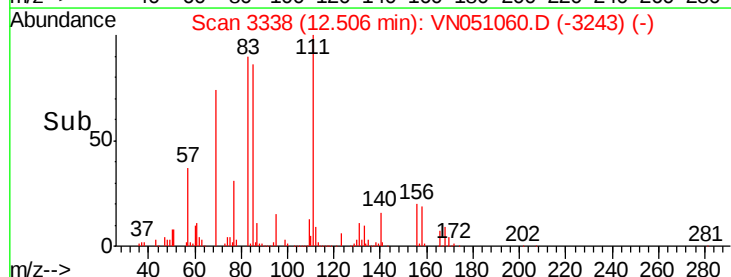
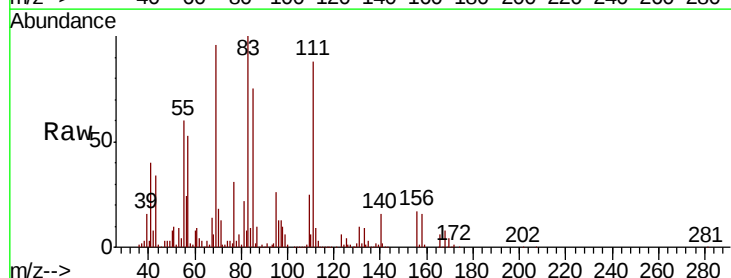
Tgt Ion: 83 Resp: 728018

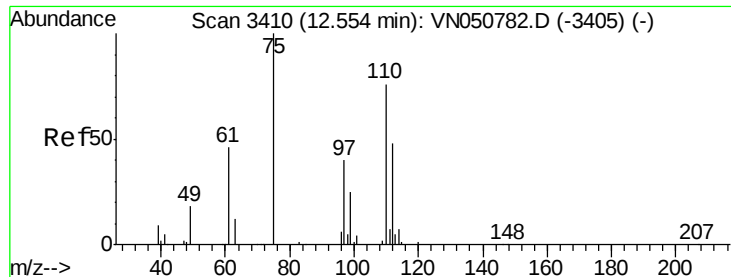
Ion Ratio Lower Upper

83 100

131 7.5 5.3 15.9

85 65.3 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 48.20 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 75 Resp: 421236

Ion Ratio Lower Upper

75 100

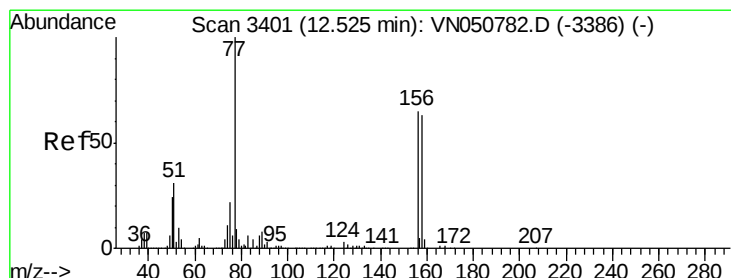
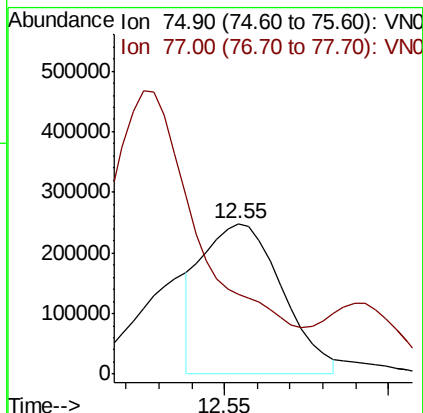
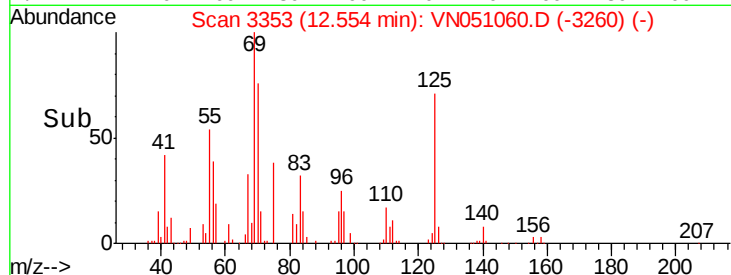
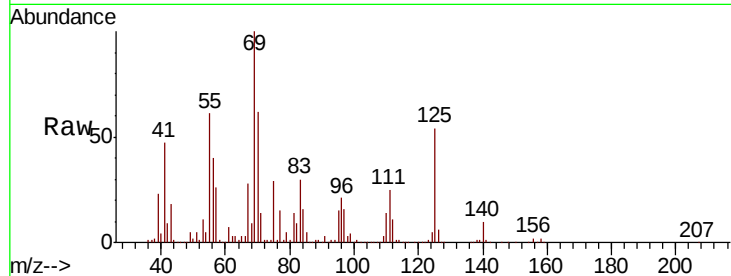
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 45.89 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

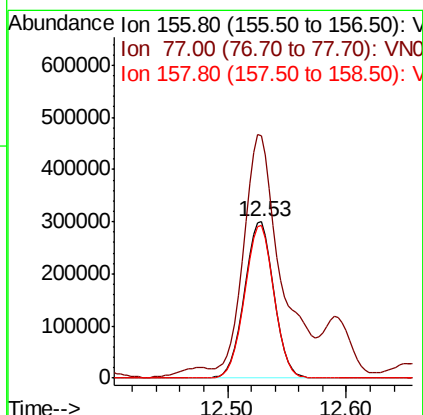
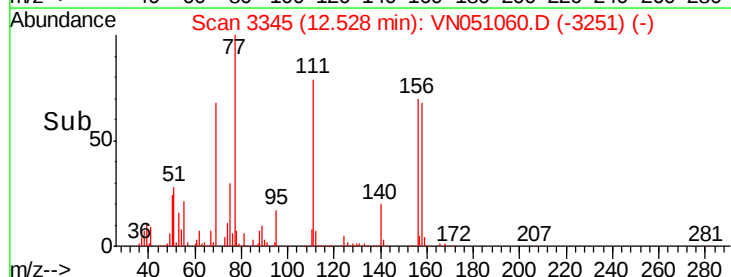
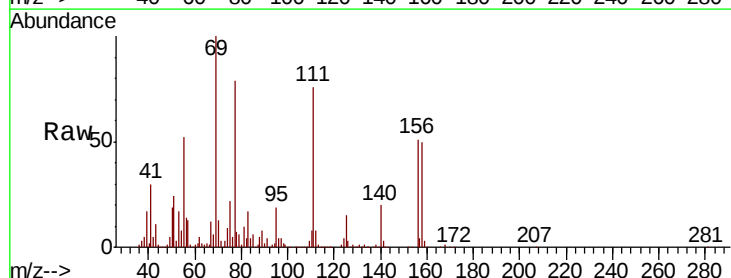
Tgt Ion: 156 Resp: 515311

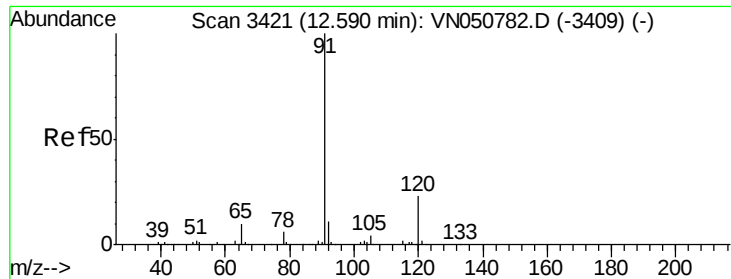
Ion Ratio Lower Upper

156 100

77 182.7 89.9 269.7

158 96.9 49.3 147.9





#78

n-propylbenzene

Concen: 105.35 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 4862392

Ion Ratio Lower Upper

91 100

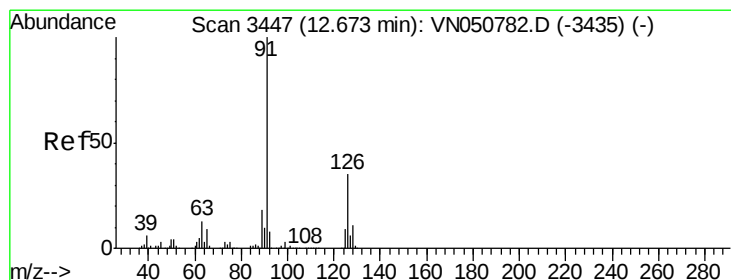
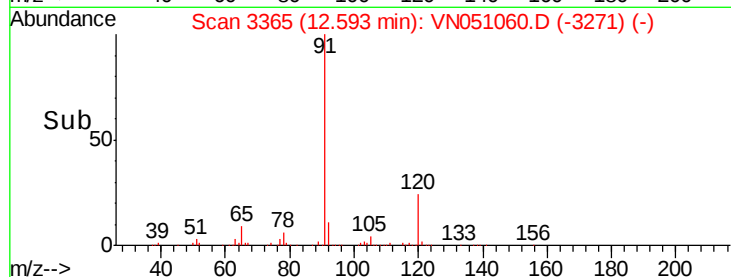
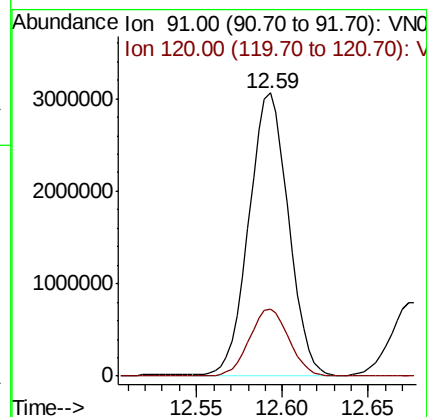
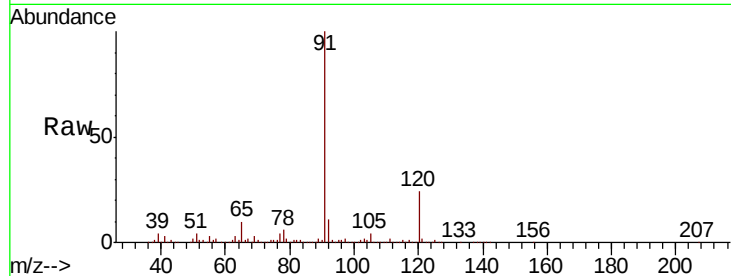
120 23.8 11.7 35.0

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#79

2-Chlorotoluene

Concen: 46.72 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051060.D

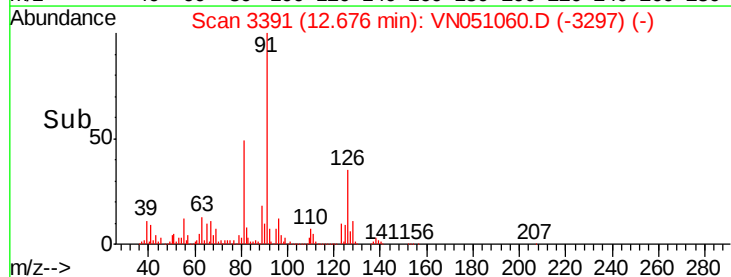
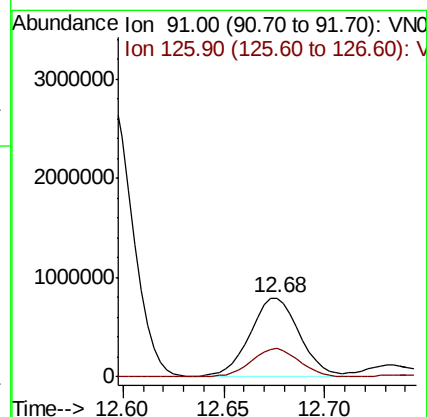
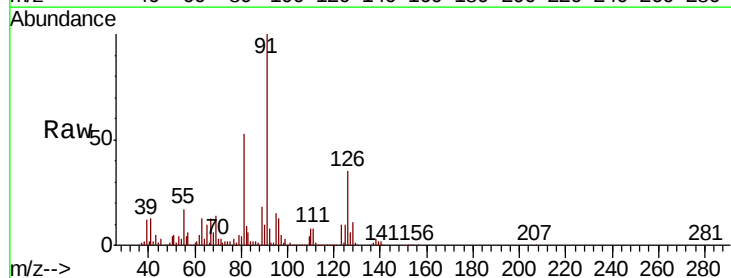
Acq: 7 Sep 2018 17:54

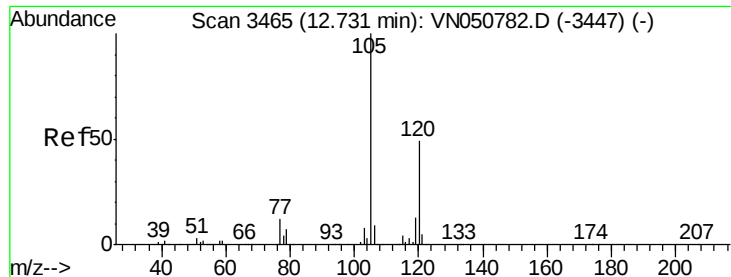
Tgt Ion: 91 Resp: 1343052

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.3





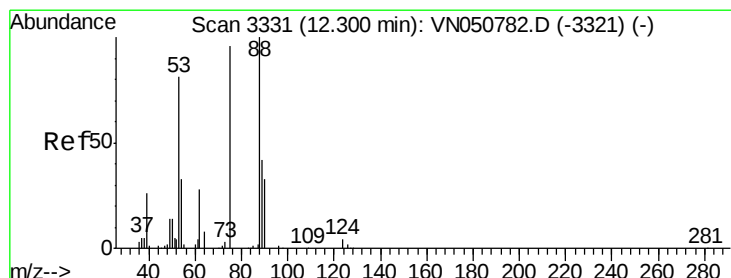
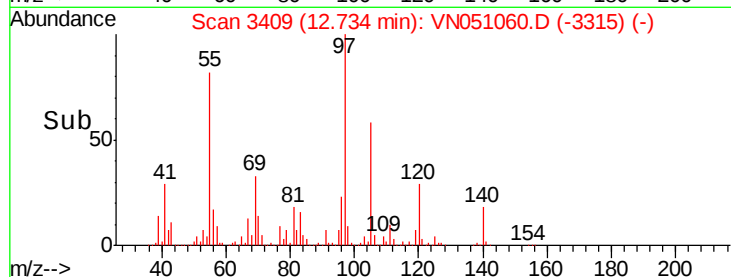
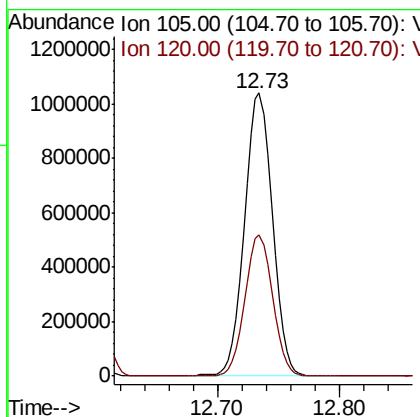
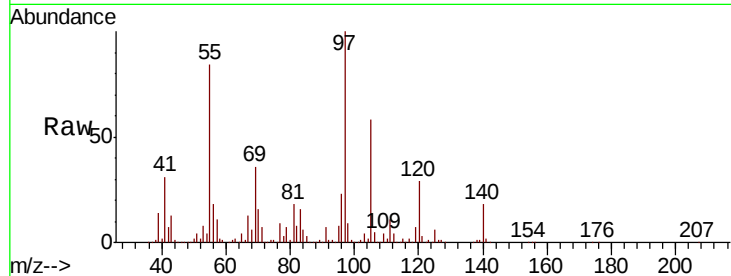
#80
 1,3,5-Trimethylbenzene
 Concen: 48.76 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion:105 Resp: 1625379
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0

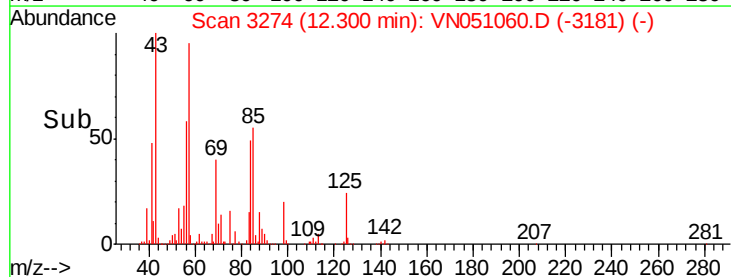
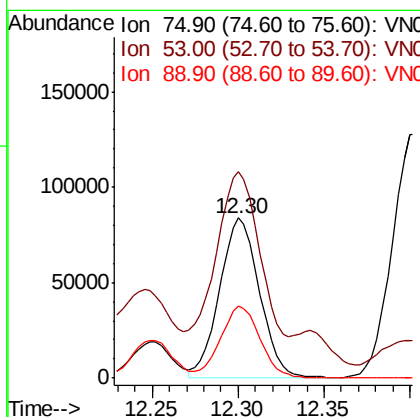
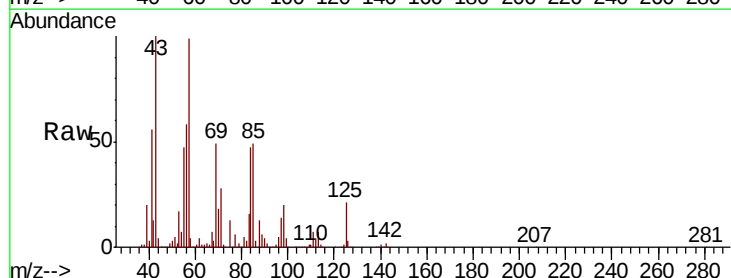
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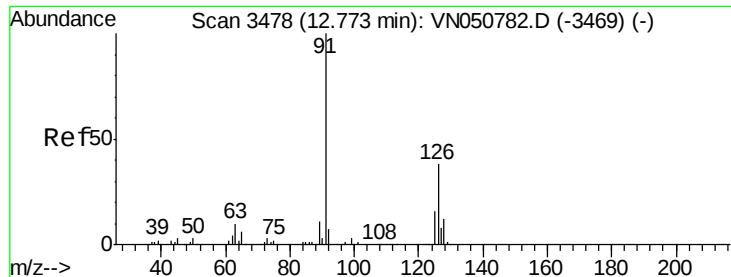
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.03 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion: 75 Resp: 134498
 Ion Ratio Lower Upper
 75 100
 53 104.7 68.9 103.3#
 89 44.6 36.1 54.1





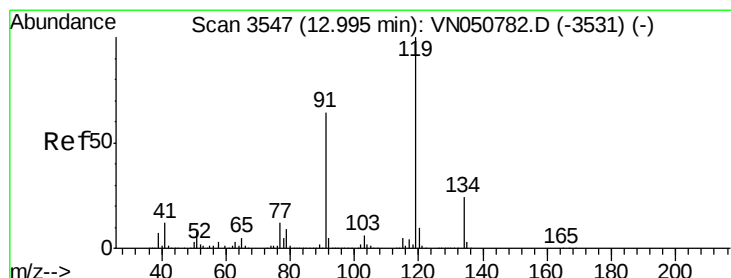
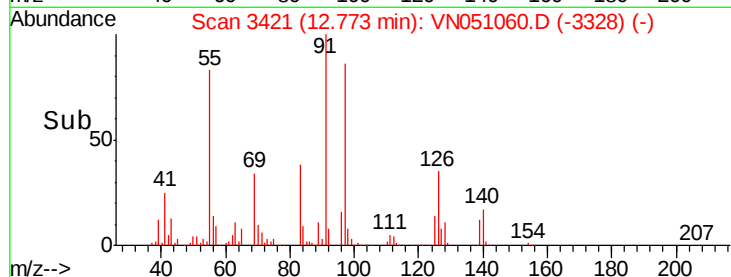
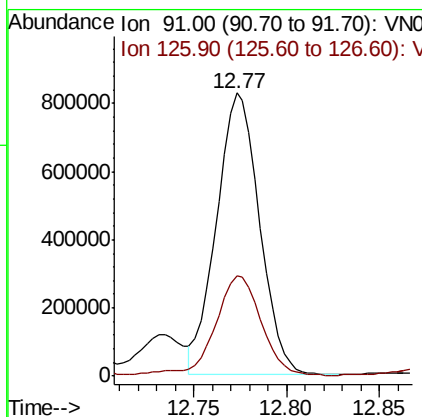
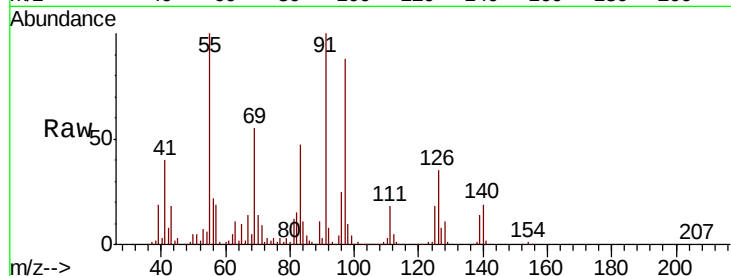
#82
4-Chlorotoluene
Concen: 46.60 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 1322467
Ion Ratio Lower Upper
91 100
126 38.0 17.5 52.5

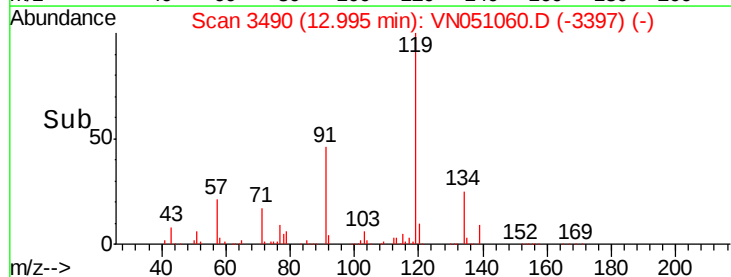
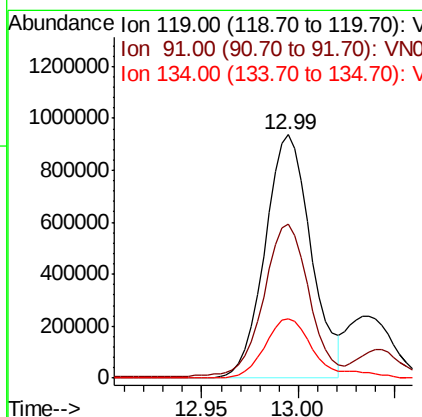
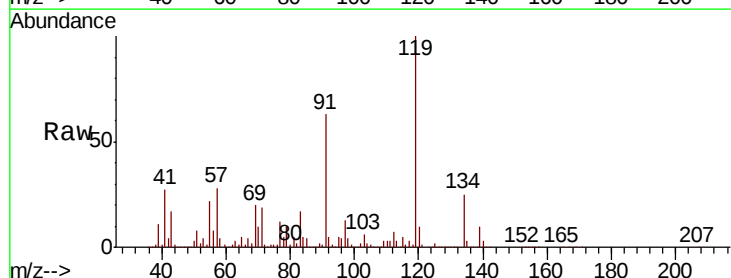
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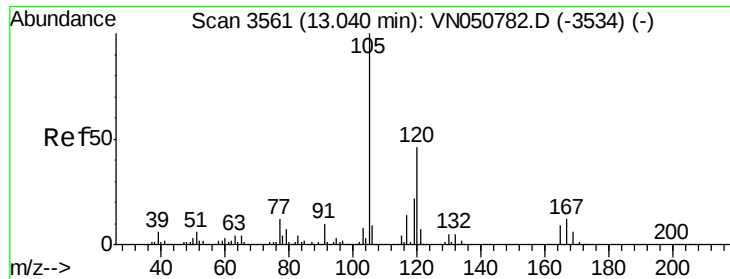
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#83
tert-Butylbenzene
Concen: 53.67 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion: 119 Resp: 1549406
Ion Ratio Lower Upper
119 100
91 62.2 31.6 94.7
134 26.3 13.4 40.1





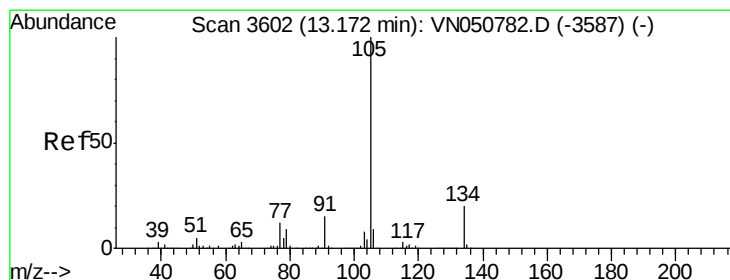
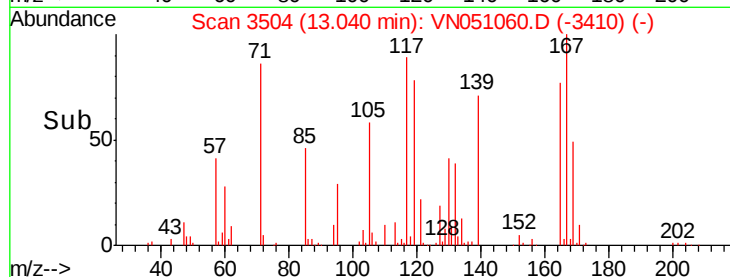
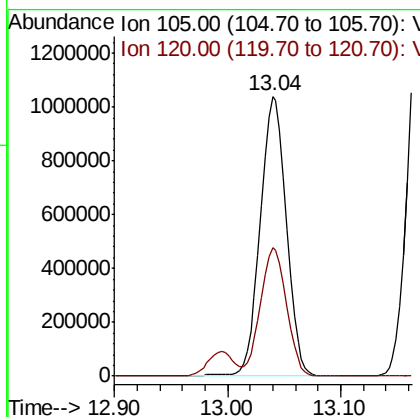
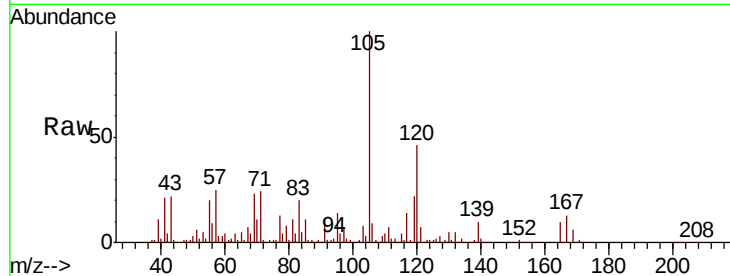
#84
 1,2,4-Trimethylbenzene
 Concen: 49.58 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion:105 Resp: 1662653
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8

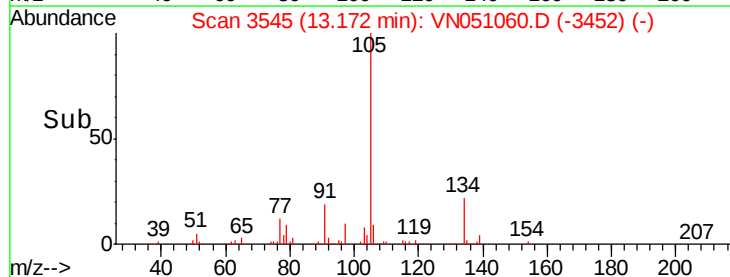
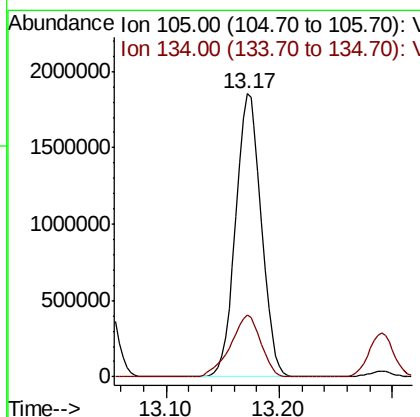
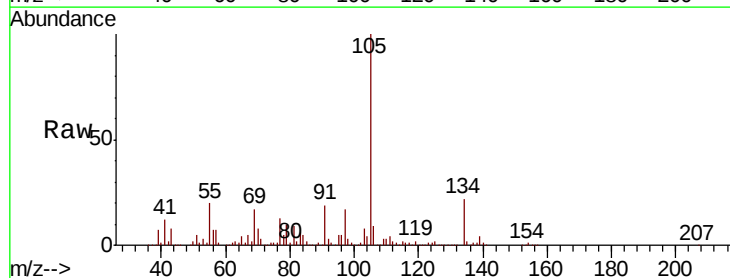
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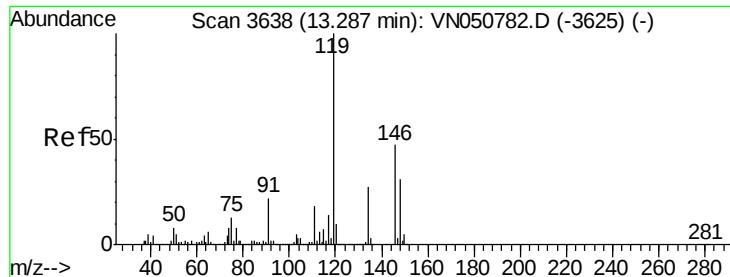
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 77.21 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion:105 Resp: 2920893
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.3 30.8





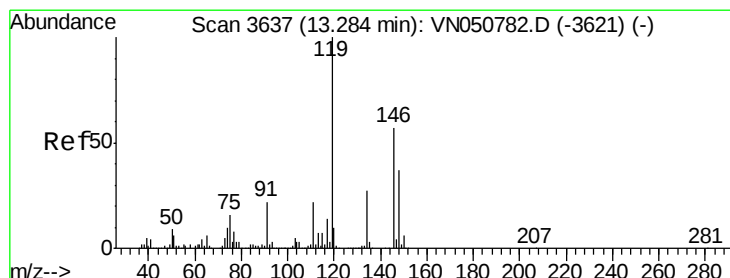
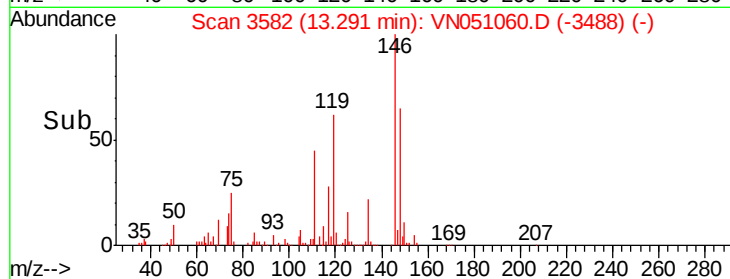
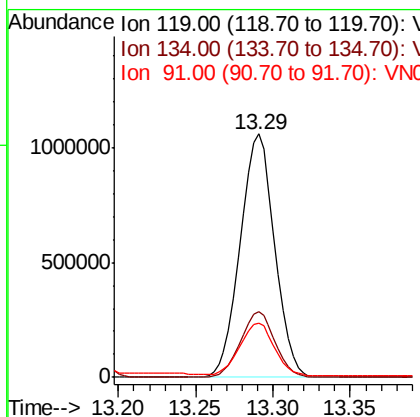
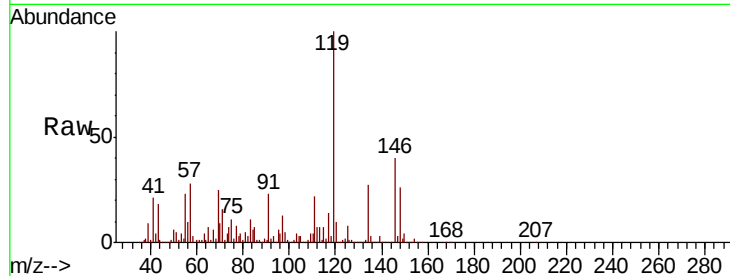
#86
 p-Isopropyltoluene
 Concen: 50.79 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.0
91	22.3	11.2	33.5

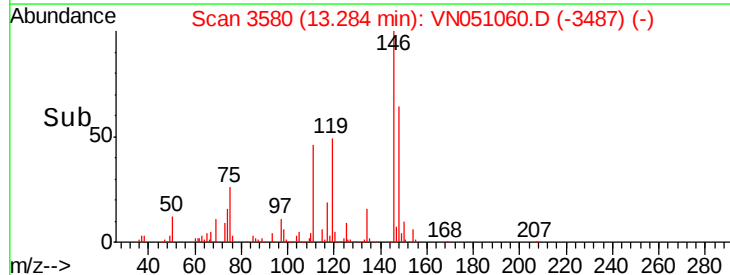
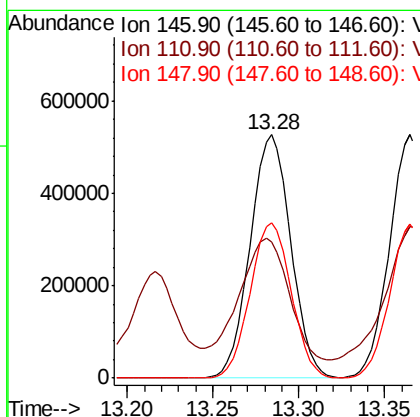
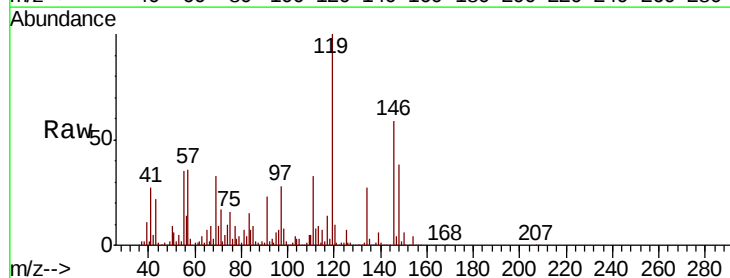
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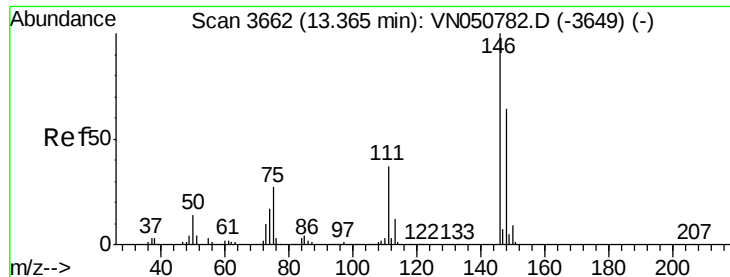
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#87
 1,3-Dichlorobenzene
 Concen: 45.29 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.3	19.1	57.3#
148	64.5	32.2	96.6





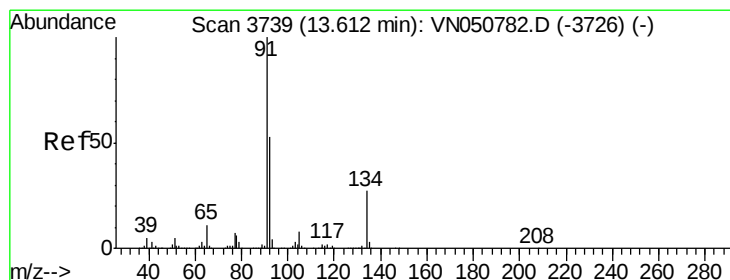
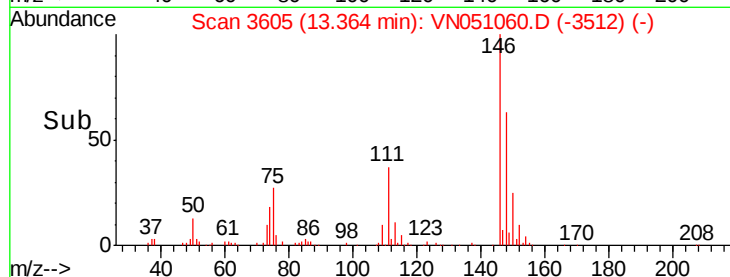
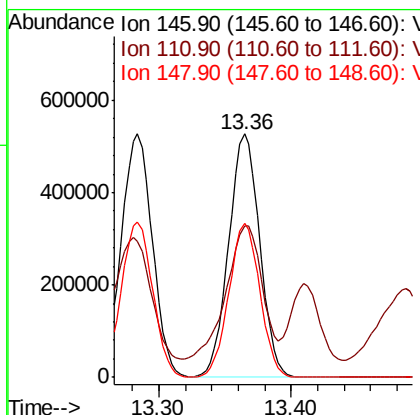
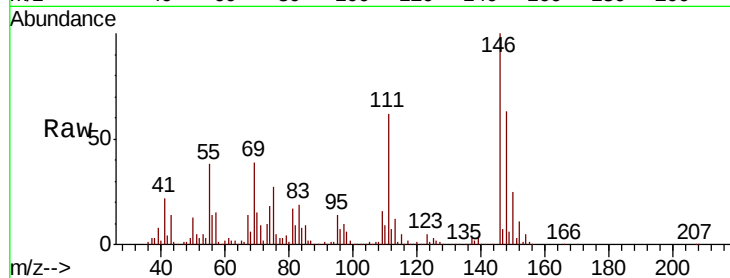
#88
1,4-Dichlorobenzene
Concen: 45.69 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.5	18.8	56.3#
148	63.4	32.2	96.6

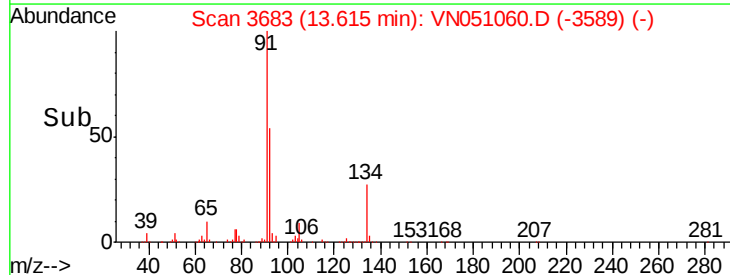
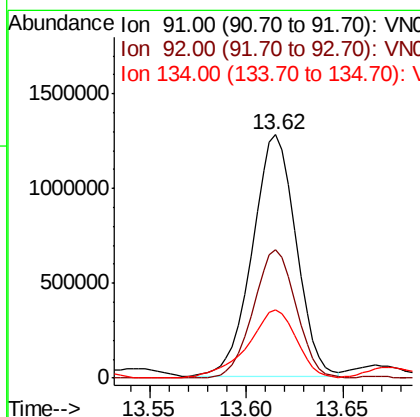
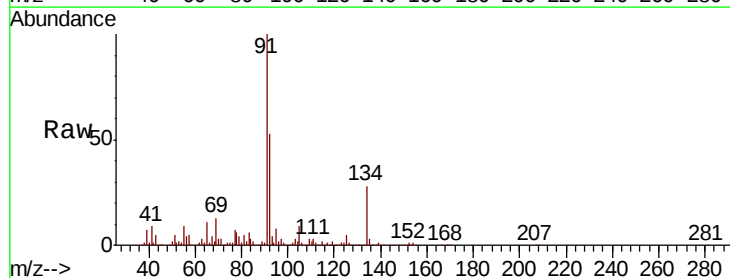
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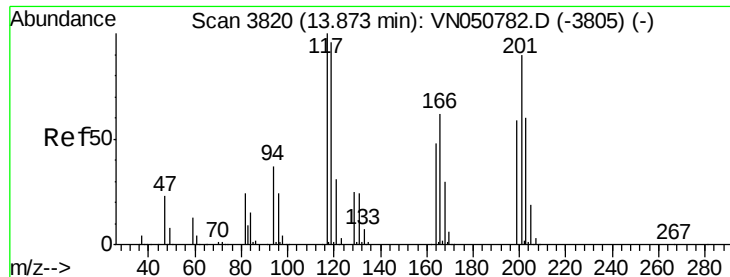
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#89
n-Butylbenzene
Concen: 77.26 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	31.8	13.2	39.6





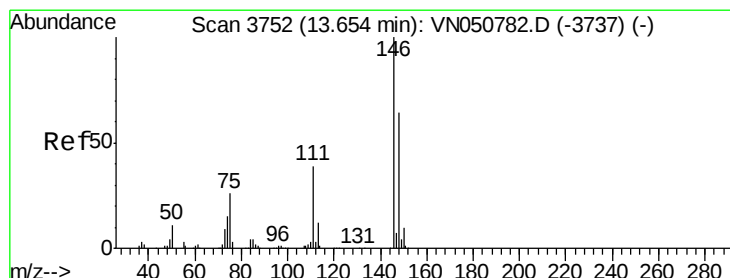
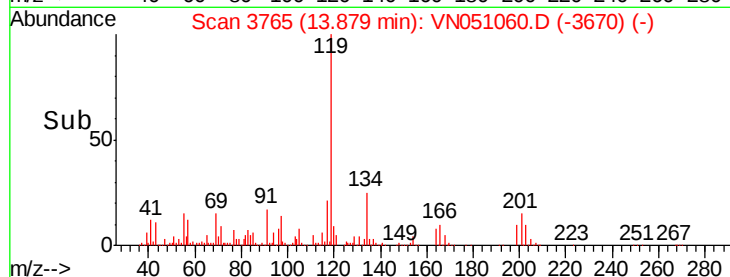
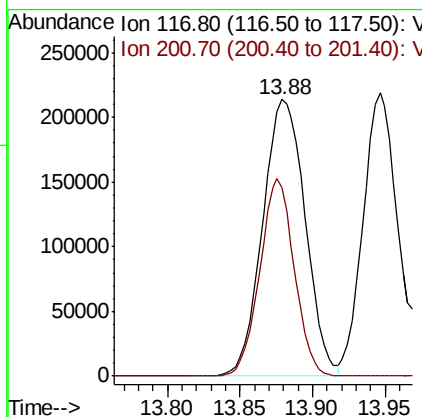
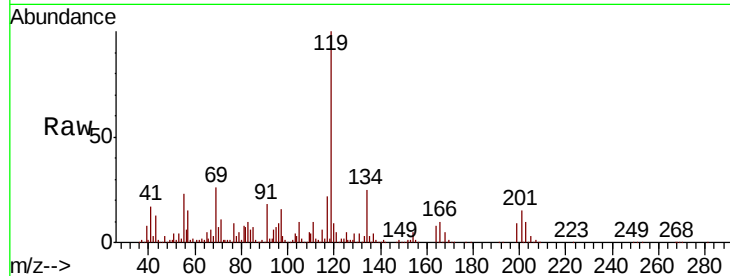
#90
Hexachloroethane
Concen: 70.59 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.01 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MSD

Tot Ion:117 Resp: 434160
Ion Ratio Lower Upper
117 100
201 58.1 46.0 137.8

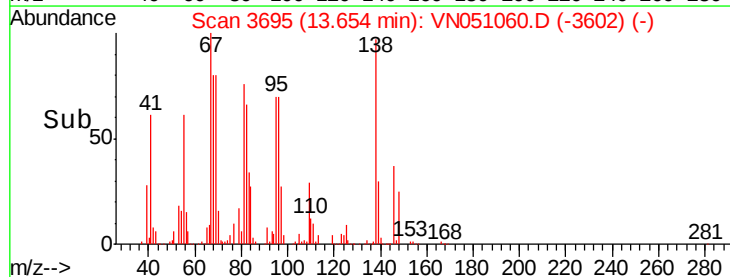
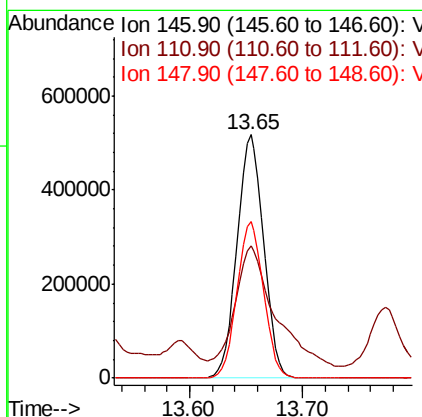
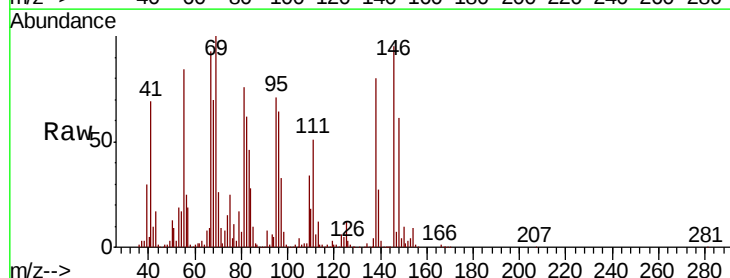
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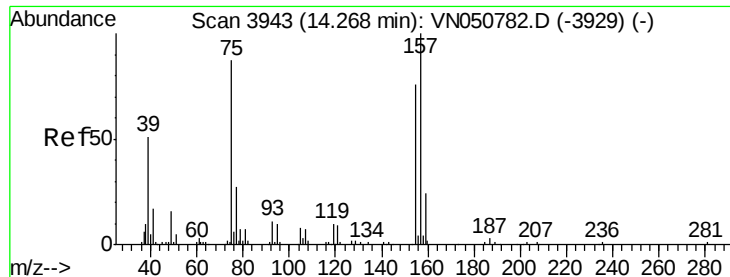
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#91
1,2-Dichlorobenzene
Concen: 46.10 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN051060.D
Acq: 7 Sep 2018 17:54

Tgt Ion:146 Resp: 847439
Ion Ratio Lower Upper
146 100
111 74.2 19.8 59.3#
148 64.2 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.57 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

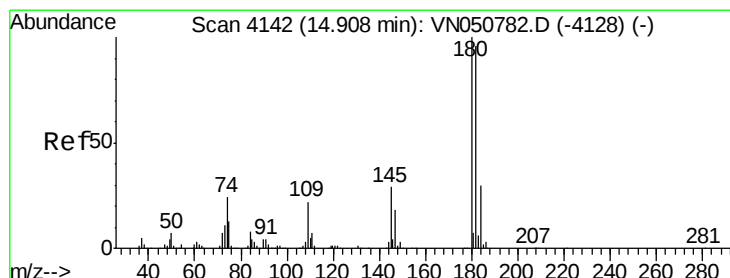
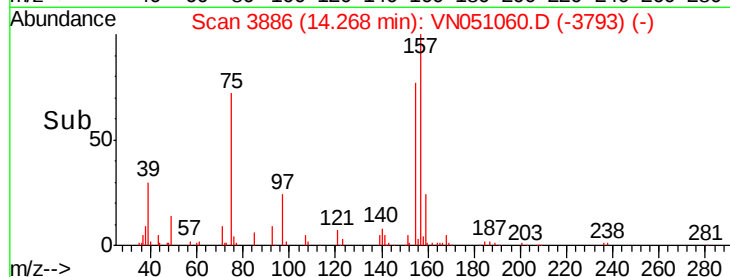
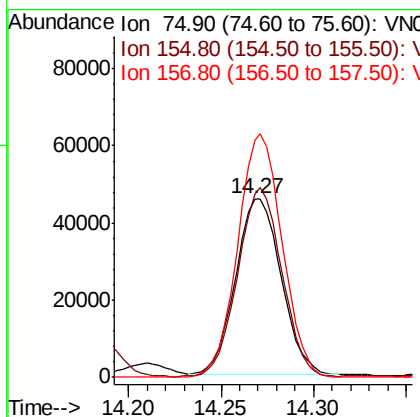
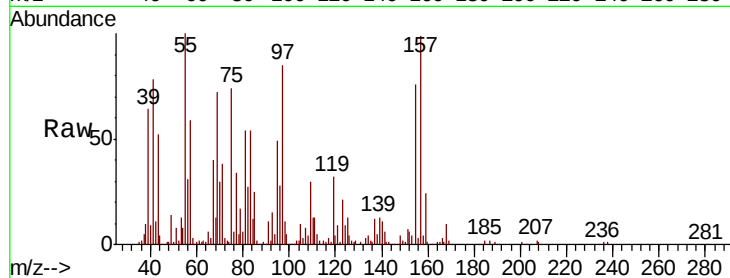
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	75	Resp:	77999
Ion	Ratio	Lower	Upper
75	100		
155	102.9	46.4	139.1
157	134.4	60.7	182.0

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#93

1,2,4-Trichlorobenzene

Concen: 51.14 ug/l

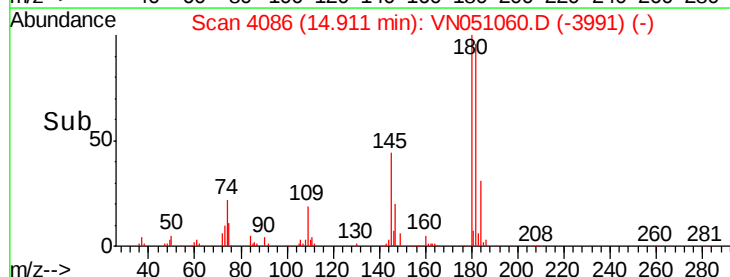
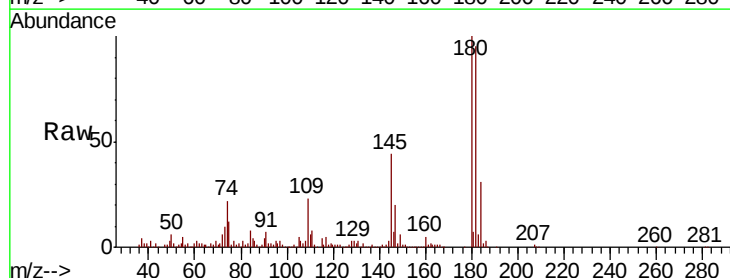
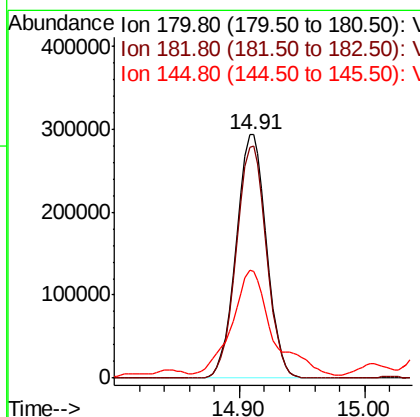
RT: 14.91 min Scan# 4086

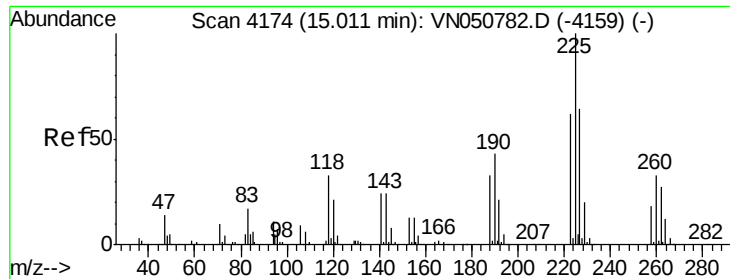
Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Tgt Ion:	180	Resp:	490042
Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.2	144.6
145	61.8	14.1	42.2#





#94

Hexachlorobutadiene

Concen: 61.95 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051060.D

Acq: 7 Sep 2018 17:54

Instrument :

MSVOA_N

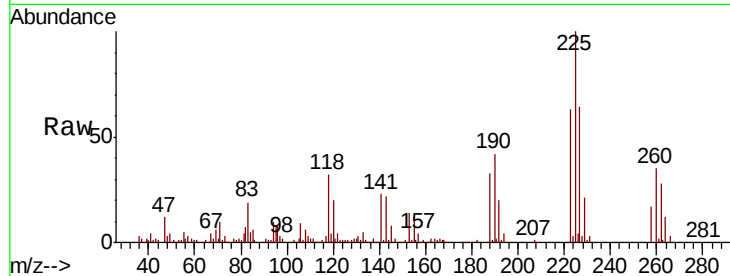
ClientSampleId :

EP1-MW-C(15-20)MSD

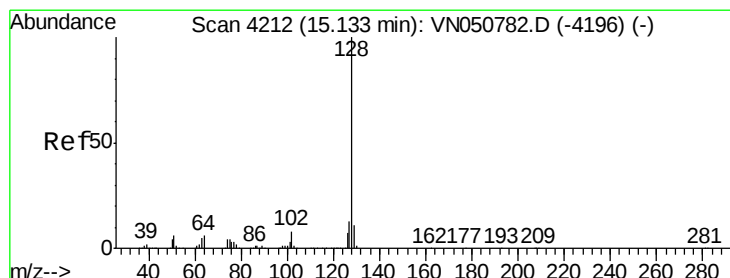
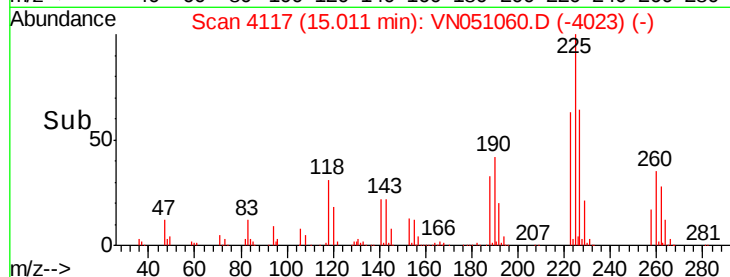
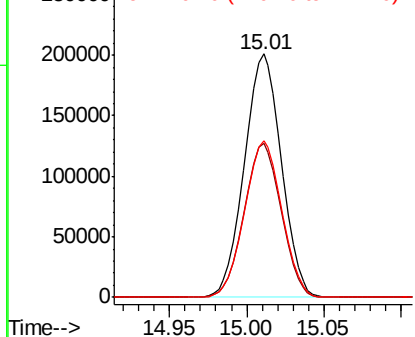
Tot Ion:	225	Resp:	336139
Ion Ratio		Lower	Upper
225	100		
223	63.3	31.3	93.8
227	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:54:06 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 55.98 ug/l

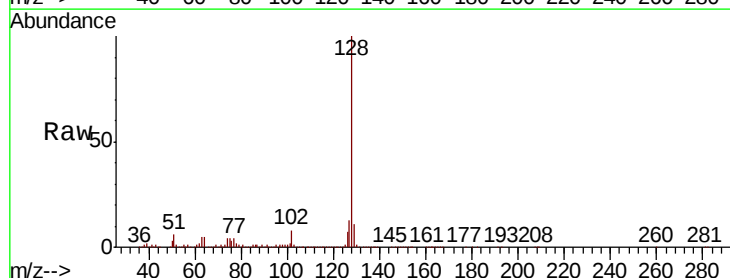
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

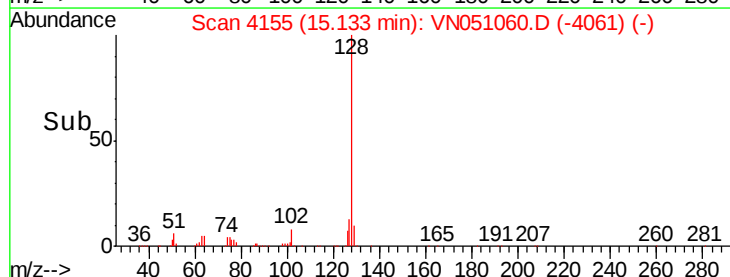
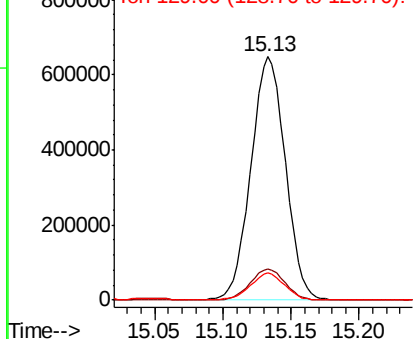
Lab File: VN051060.D

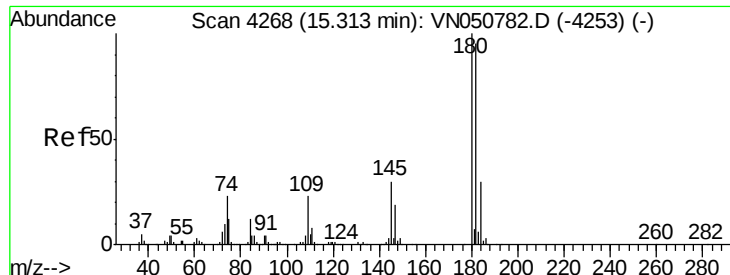
Acq: 7 Sep 2018 17:54

Tgt Ion:	128	Resp:	1130431
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





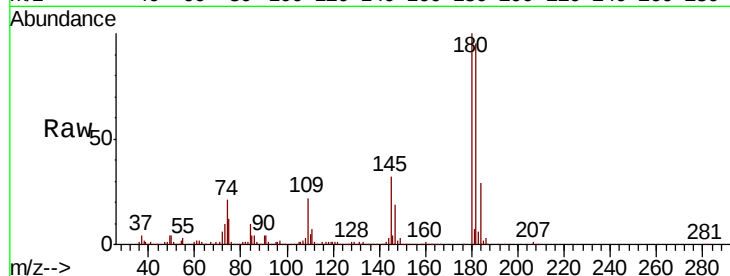
#96
 1,2,3-Trichlorobenzene
 Concen: 52.96 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051060.D
 Acq: 7 Sep 2018 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	476701		
182	96.0		48.0	144.2
145	36.1		15.2	45.6

Manual Integrations
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 9/10/2018 11:54:06 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

