

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050873.D
 Acq On : 24 Aug 2018 13:39
 Operator : MD\SY
 Sample : VN0824WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 1:18:56 PM

Quant Time: Aug 24 23:18:10 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	521713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	785389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358708	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.59	113	335292	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.09	98	1209813	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	388223	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	142599	20.424	ug/l	99
3) Chloromethane	2.06	50	172917	20.080	ug/l	99
4) Vinyl Chloride	2.18	62	159761	19.584	ug/l	99
5) Bromomethane	2.56	94	100280	21.010	ug/l	96
6) Chloroethane	2.70	64	96380	20.448	ug/l	100
7) Trichlorofluoromethane	3.01	101	210083	20.112	ug/l	98
8) Diethyl Ether	3.41	74	80163	22.569	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125992	19.306	ug/l	99
10) Methyl Iodide	3.95	142	107233	22.689	ug/l	100
11) Tert butyl alcohol	4.79	59	46616	116.556	ug/l	98
12) 1,1-Dichloroethene	3.74	96	116423	19.869	ug/l	98
13) Acrolein	3.61	56	19771	96.503	ug/l	97
14) Allyl chloride	4.32	41	188295	20.622	ug/l	99
15) Acrylonitrile	4.99	53	224751	110.576	ug/l	99
16) Acetone	3.82	43	155750	100.496	ug/l	100
17) Carbon Disulfide	4.05	76	351654	17.902	ug/l	100
18) Methyl Acetate	4.33	43	134661	22.706	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	337244	22.881	ug/l	98
20) Methylene Chloride	4.55	84	149002	21.049	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	128159	20.222	ug/l	99
22) Diisopropyl ether	5.95	45	424645	23.337	ug/l	96
23) Vinyl Acetate	5.90	43	1288089	109.920	ug/l	99
24) 1,1-Dichloroethane	5.85	63	246798	21.126	ug/l	99
25) 2-Butanone	6.84	43	240036	94.835	ug/l	100
26) 2,2-Dichloropropane	6.82	77	179948	19.170	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148965	21.802	ug/l	99
28) Bromochloromethane	7.20	49	104783	21.109	ug/l	99
29) Tetrahydrofuran	7.21	42	159309	109.779	ug/l	99
30) Chloroform	7.37	83	249631	21.579	ug/l	99
31) Cyclohexane	7.65	56	198274	18.964	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	201158	20.245	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175023	18.885	ug/l	99
37) Ethyl Acetate	6.93	43	108158	20.316	ug/l	99
38) Carbon Tetrachloride	7.78	117	176388	18.828	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	178769	17.829	ug/l	99
40) Benzene	8.04	78	572060	20.469	ug/l	100
41) Methacrylonitrile	7.17	41	50608	17.565	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	177329	21.223	ug/l	99
43) Isopropyl Acetate	8.17	43	193447	21.133	ug/l	99
44) Trichloroethene	8.84	130	144046	19.543	ug/l	98
45) 1,2-Dichloropropane	9.12	63	153837	20.944	ug/l	99
46) Dibromomethane	9.21	93	90691	21.014	ug/l	99
47) Bromodichloromethane	9.40	83	188789	20.885	ug/l	99
48) Methyl methacrylate	9.20	41	97190	20.834	ug/l	99
49) 1,4-Dioxane	9.20	88	28552	448.966	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	544519	99.684	ug/l	99
52) Toluene	10.16	92	344097	20.784	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180526	20.064	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	217346	21.095	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	129339	21.049	ug/l	97
56) Ethyl methacrylate	10.43	69	146159	19.775	ug/l	100
57) 1,3-Dichloropropane	10.71	76	214278	21.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	305694	95.579	ug/l	100
59) 2-Hexanone	10.75	43	344777	94.811	ug/l	99
60) Dibromochloromethane	10.90	129	142882	20.768	ug/l	99
61) 1,2-Dibromoethane	11.01	107	122806	20.668	ug/l	98
64) Tetrachloroethene	10.63	164	129123	18.965	ug/l	99
65) Chlorobenzene	11.43	112	371445	19.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144356	21.058	ug/l	100
67) Ethyl Benzene	11.51	91	591561	19.421	ug/l	100
68) m/p-Xylenes	11.62	106	468847	40.552	ug/l	100
69) o-Xylene	11.95	106	227903	20.504	ug/l	100
70) Styrene	11.96	104	356613	19.013	ug/l	99
71) Bromoform	12.13	173	95556	20.269	ug/l #	99
73) Isopropylbenzene	12.25	105	579062	20.700	ug/l	100
74) N-amyl acetate	12.07	43	145819	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158903	22.941	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123813m	20.925	ug/l	
77) Bromobenzene	12.53	156	157524	20.720	ug/l	99
78) n-propylbenzene	12.59	91	644493	20.624	ug/l	100
79) 2-Chlorotoluene	12.67	91	402004	20.653	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	483679	21.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35990	20.562	ug/l	95
82) 4-Chlorotoluene	12.77	91	401889	20.914	ug/l	99
83) tert-Butylbenzene	12.99	119	402653	20.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	483808	21.309	ug/l	99
85) sec-Butylbenzene	13.17	105	526209	20.543	ug/l	99
86) p-Isopropyltoluene	13.29	119	457604	20.966	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	259432	20.109	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	253647	19.976	ug/l	100
89) n-Butylbenzene	13.62	91	326487	18.703	ug/l	99
90) Hexachloroethane	13.87	117	83518	20.188	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	259222	20.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21050	20.953	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97150	17.861	ug/l	99
94) Hexachlorobutadiene	15.01	225	76876	20.167	ug/l	99
95) Naphthalene	15.13	128	187996	17.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	102728	19.105	ug/l	99

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

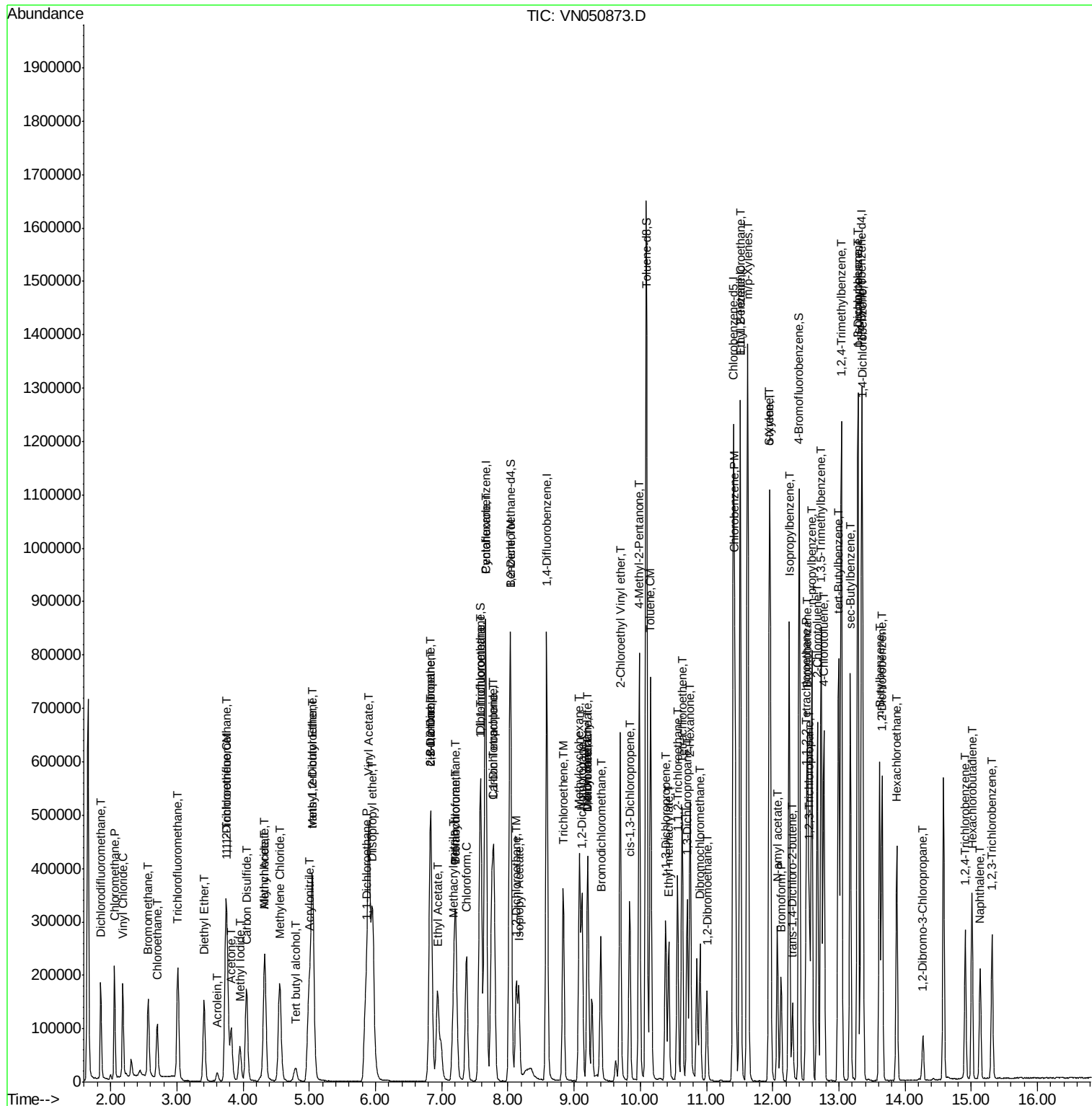
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
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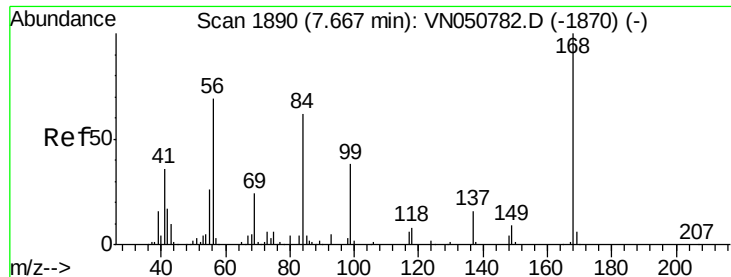
Instrument :
MSVOA_N
Client Sample ID :
VN0824WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion:168 Resp: 521713

Ion Ratio Lower Upper

168 100

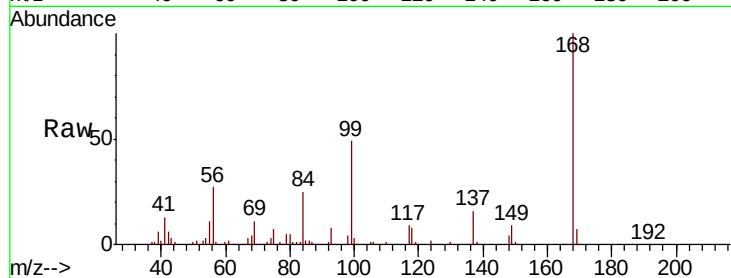
99 48.8 39.6 59.4

Manual Integrations

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8/25/2018 1:18:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

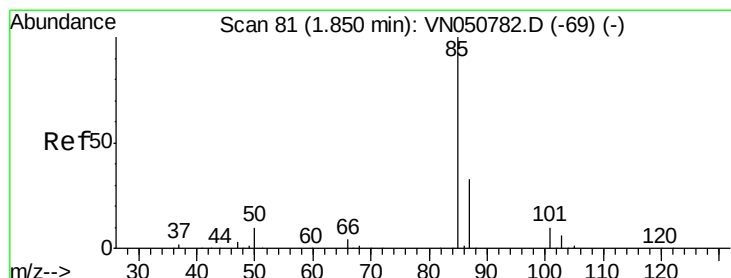
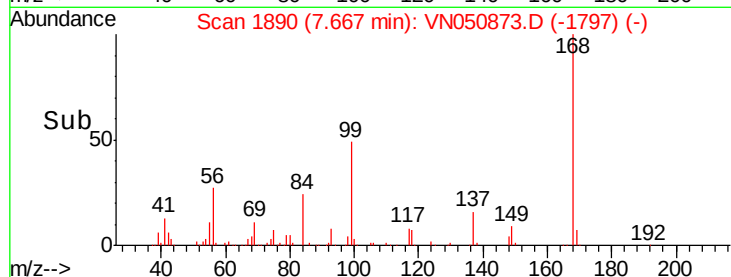
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.424 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050873.D

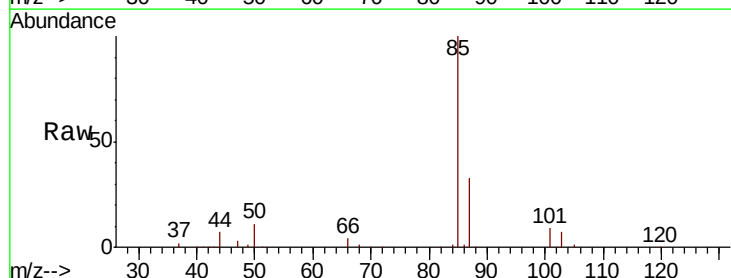
Acq: 24 Aug 2018 13:39

Tgt Ion: 85 Resp: 142599

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

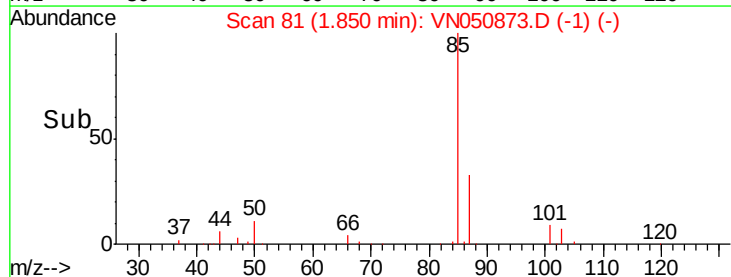
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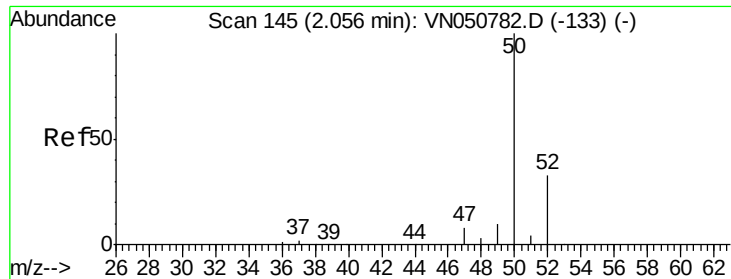
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.080 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 50 Resp: 172917

Ion Ratio Lower Upper

50 100

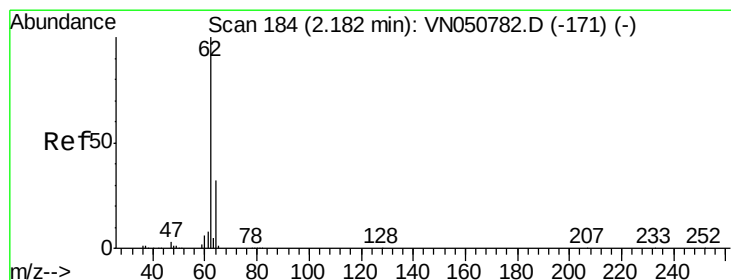
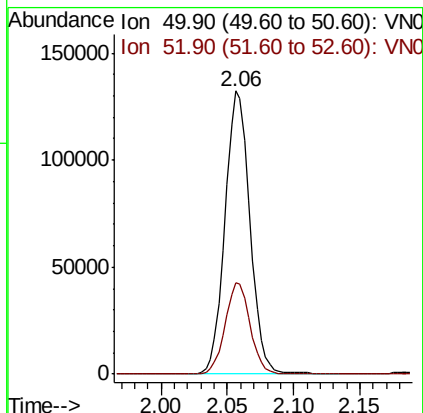
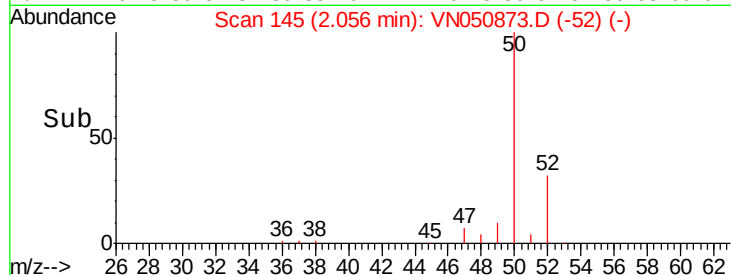
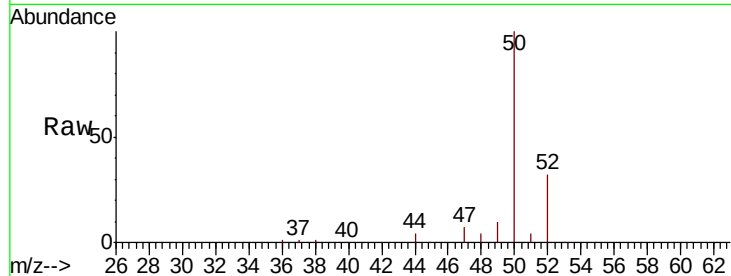
52 32.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.584 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050873.D

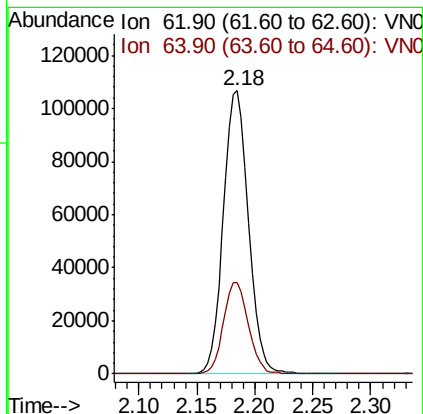
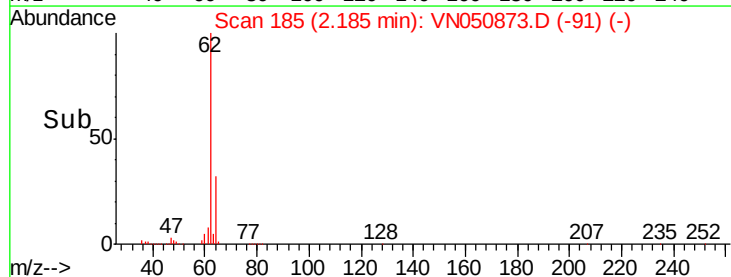
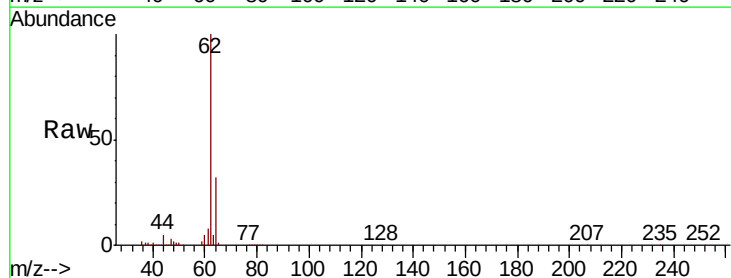
Acq: 24 Aug 2018 13:39

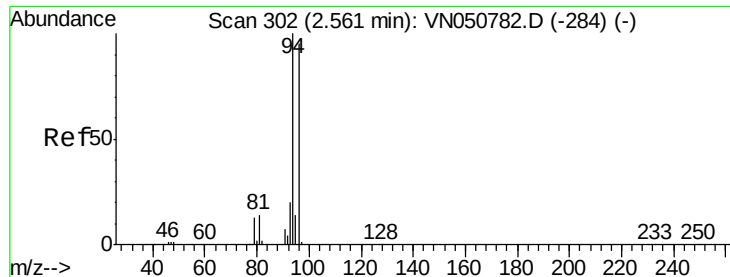
Tgt Ion: 62 Resp: 159761

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 21.010 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

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VN0824WBSD02

Tgt Ion: 94 Resp: 100280

Ion Ratio Lower Upper

94 100

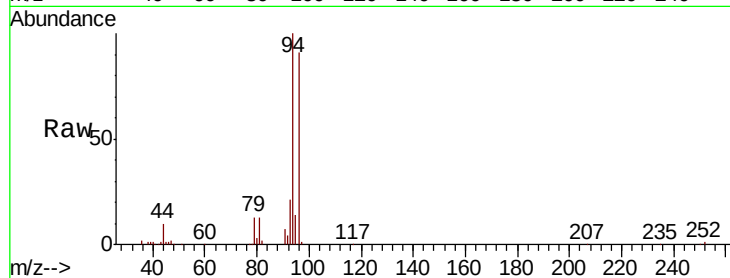
96 91.4 76.2 114.2

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

2.56

60000

50000

40000

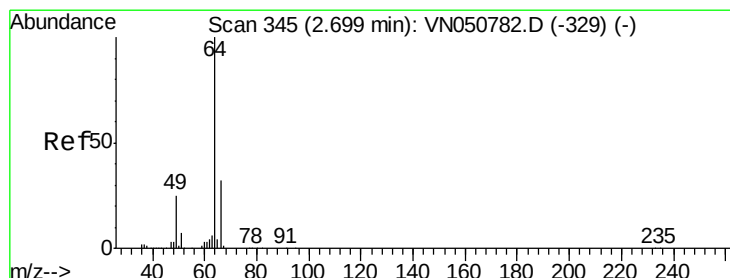
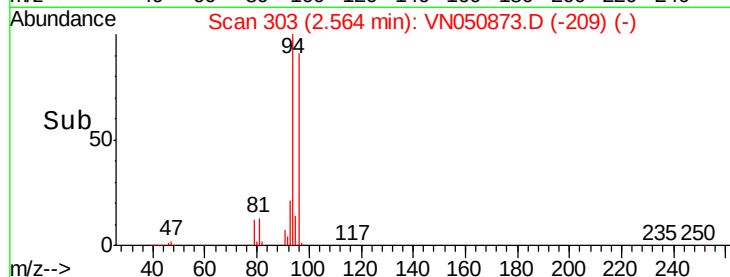
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.448 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050873.D

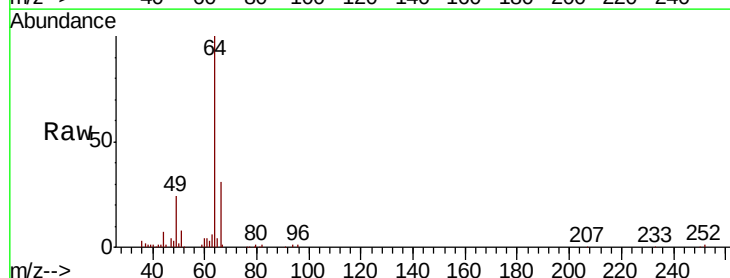
Acq: 24 Aug 2018 13:39

Tgt Ion: 64 Resp: 96380

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

50000

40000

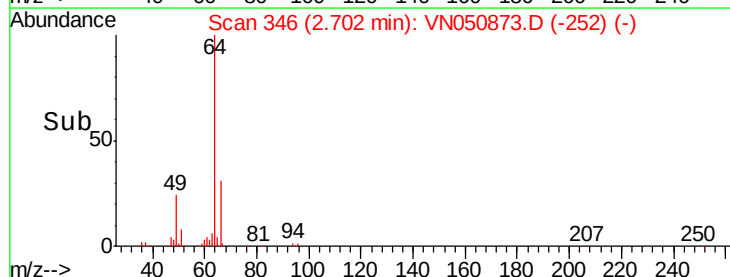
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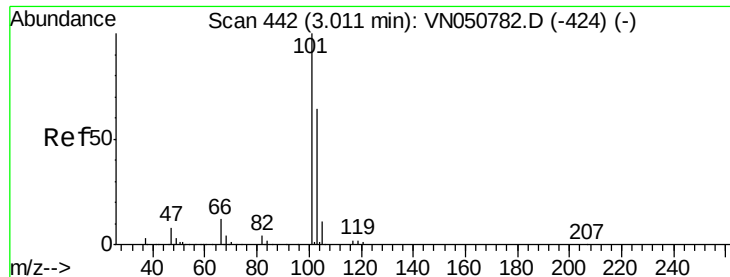
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10000

0

Time-->





#7

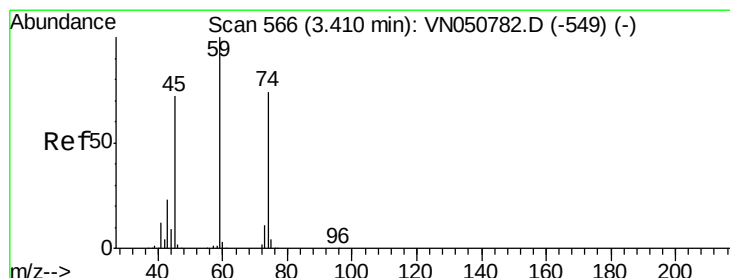
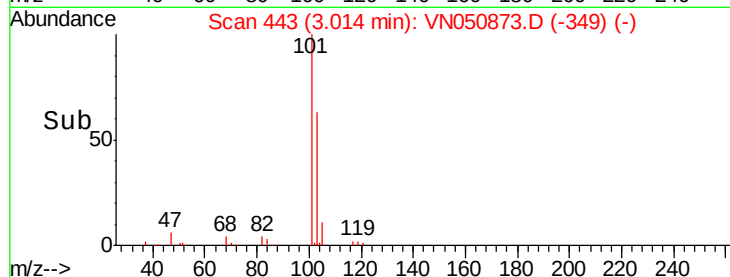
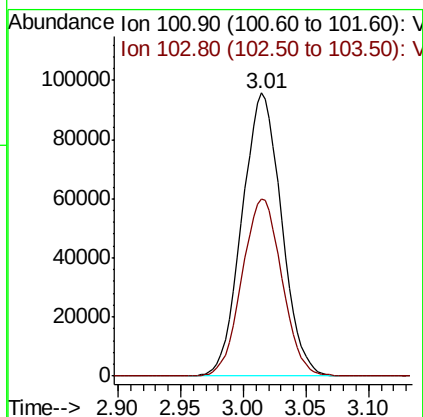
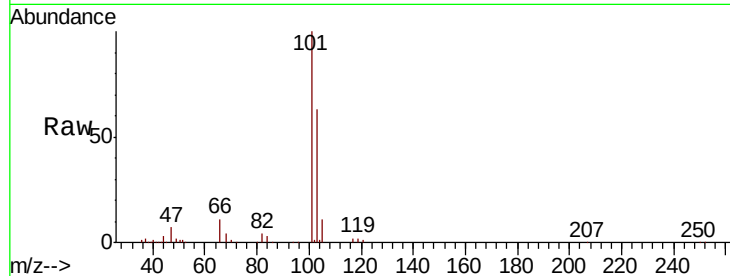
Trichlorofluoromethane
 Concen: 20.112 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.6	77.4

Manual Integrations
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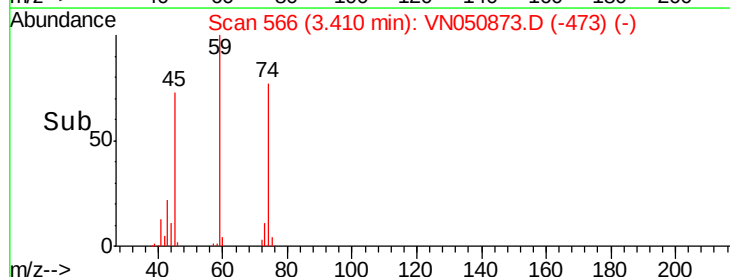
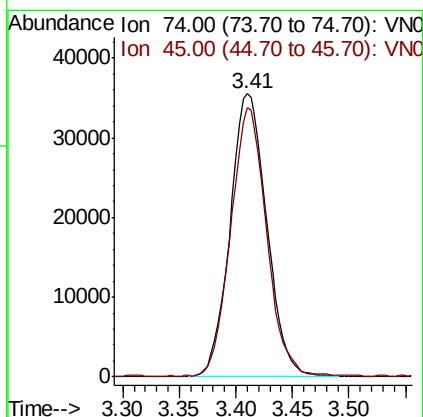
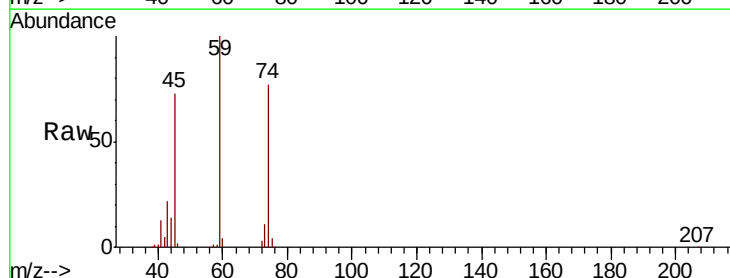
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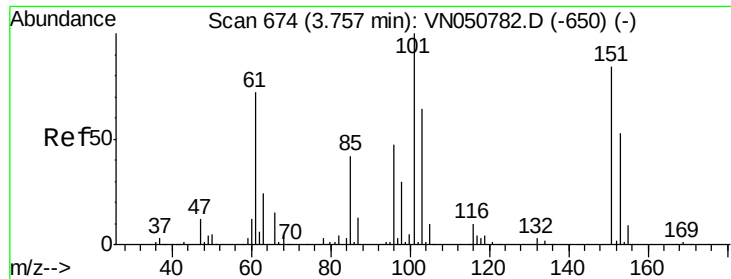


#8

Diethyl Ether
 Concen: 22.569 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	48.2	144.6





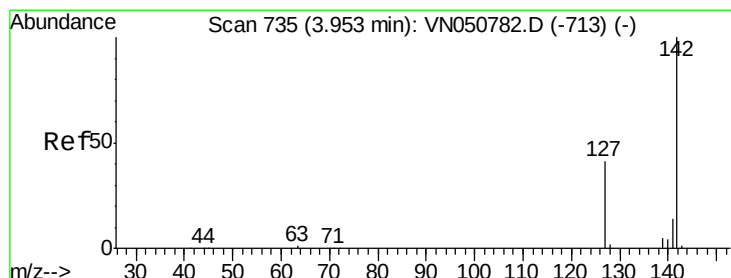
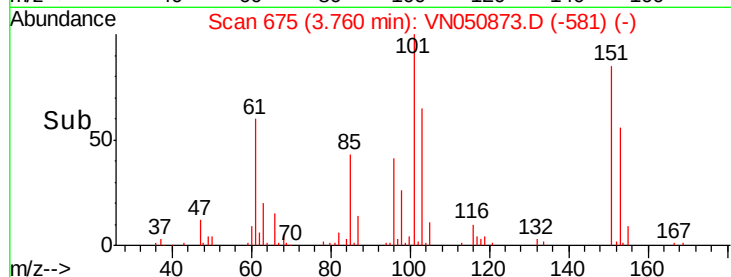
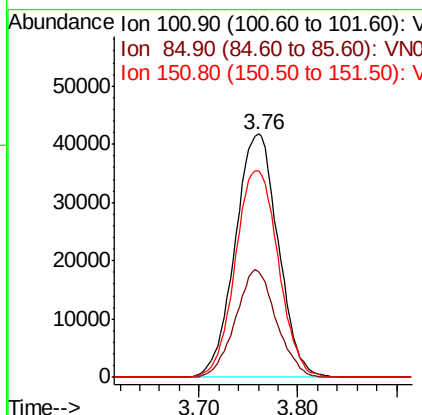
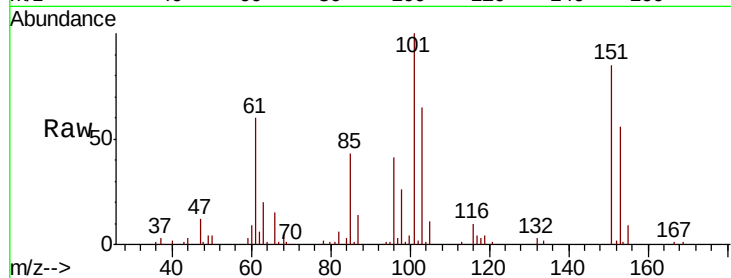
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.306 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	125992		
85	42.1	33.7	50.5	
151	85.1	67.4	101.2	

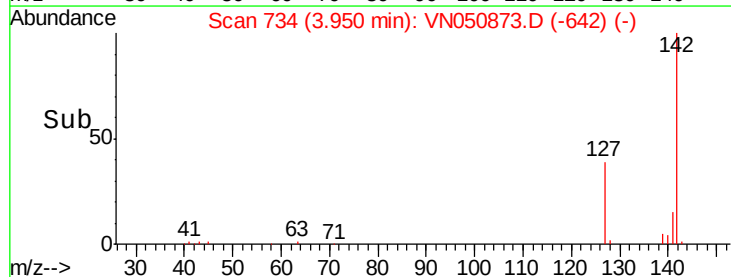
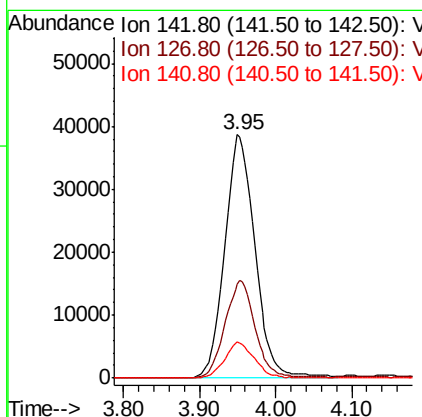
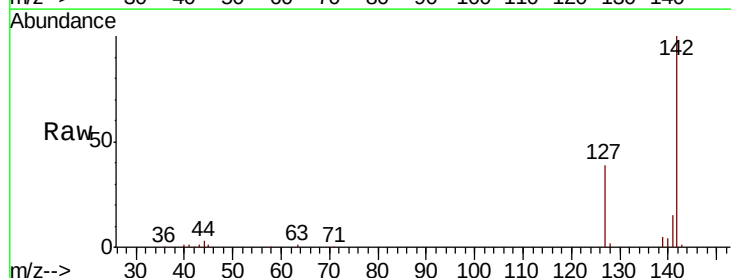
Manual Integrations
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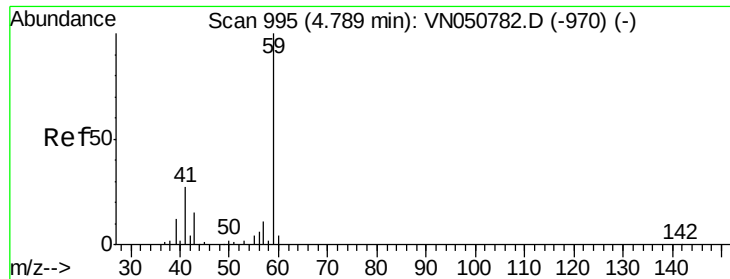
MMDadoda
 8/25/2018 1:18:56 PM



#10
 Methyl Iodide
 Concen: 22.689 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	107233		
127	39.7	31.7	47.5	
141	14.3	11.4	17.0	





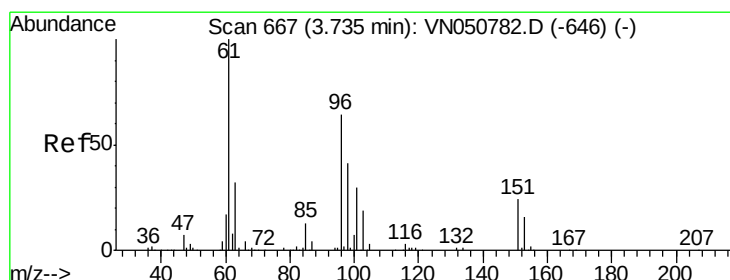
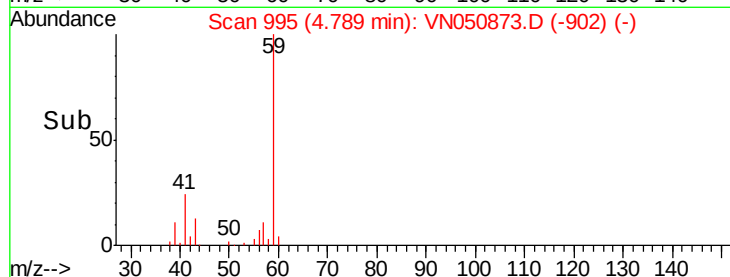
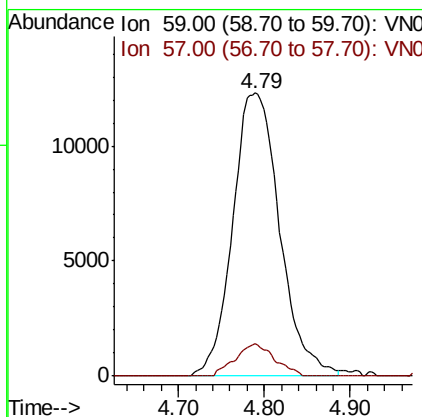
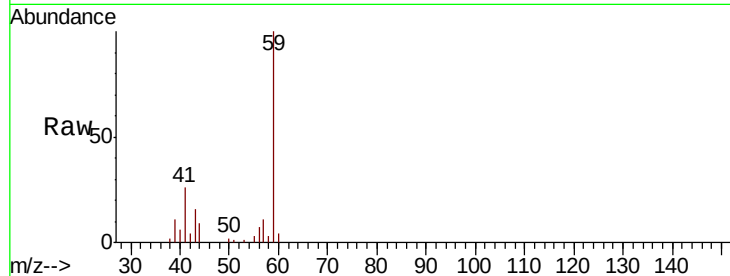
#11
Tert butyl alcohol
Concen: 116.556 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

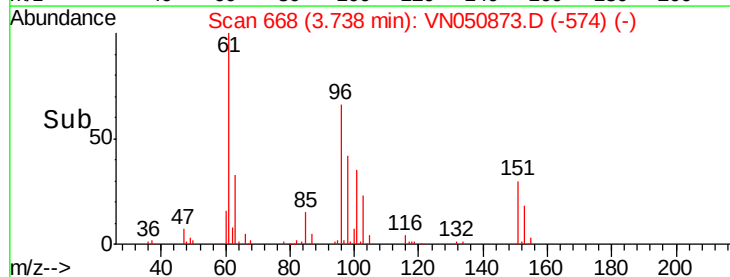
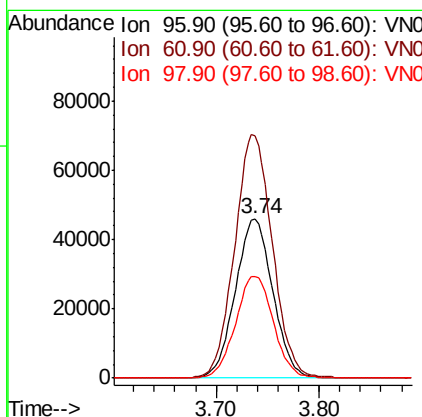
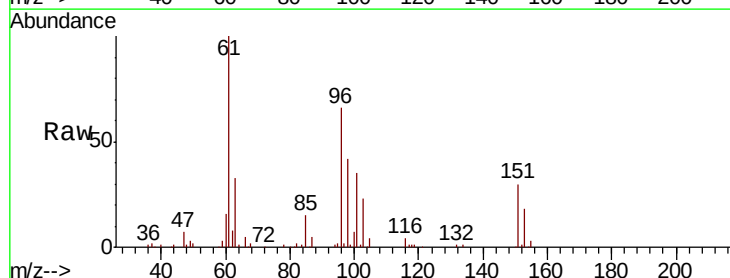
Manual Integrations
APPROVED

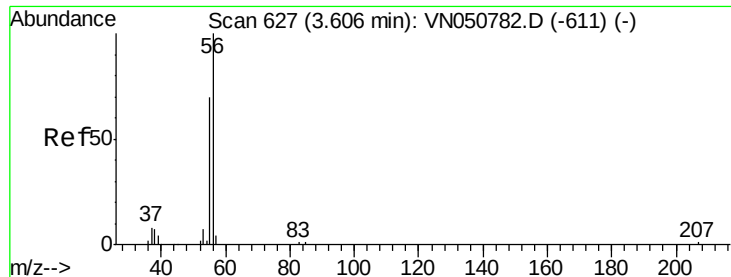
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.869 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	124.9	187.3
98	63.7	51.1	76.7





#13

Acrolein

Concen: 96.503 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 56 Resp: 19771

Ion Ratio Lower Upper

56 100

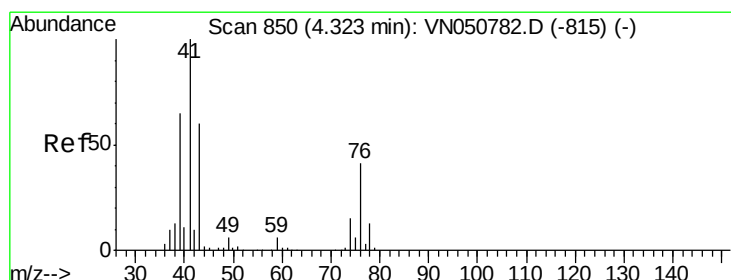
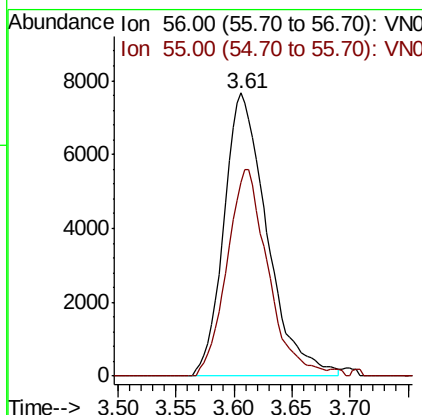
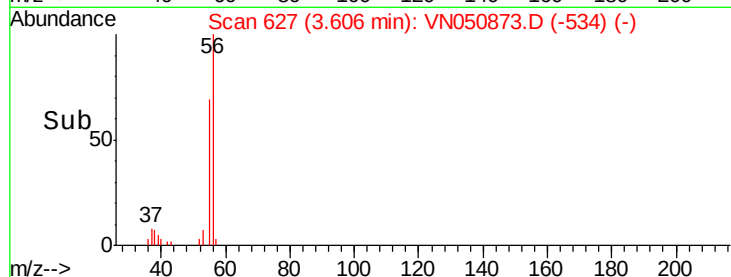
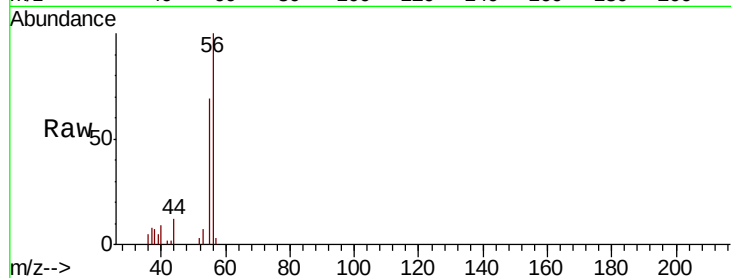
55 69.6 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 20.622 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

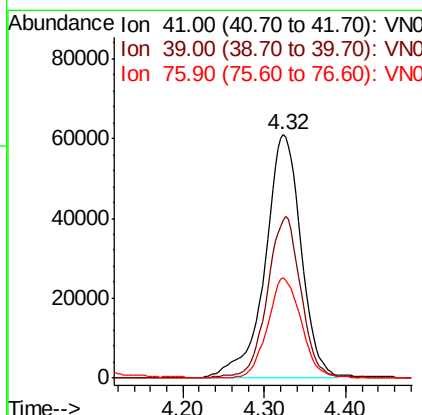
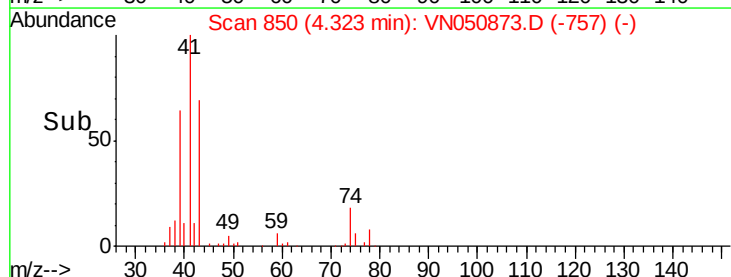
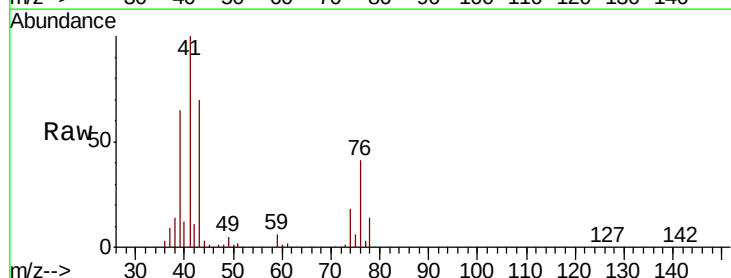
Tgt Ion: 41 Resp: 188295

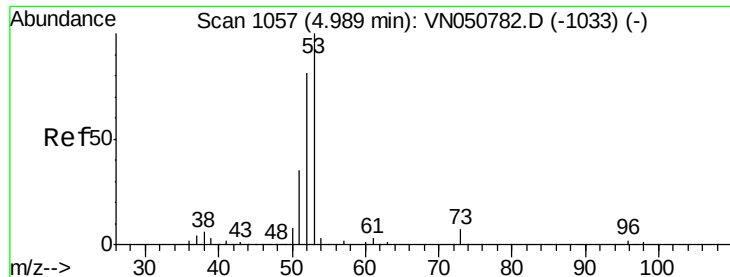
Ion Ratio Lower Upper

41 100

39 62.1 50.2 75.2

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 110.576 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

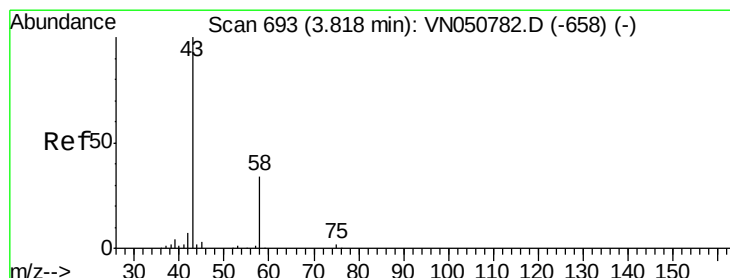
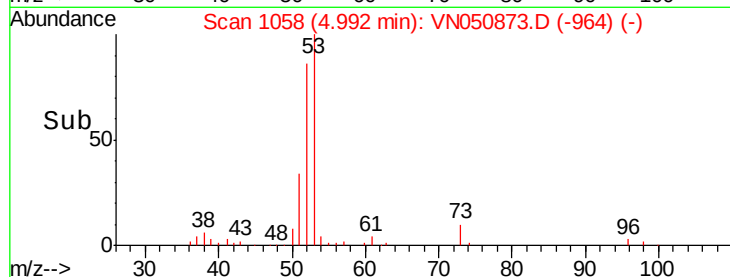
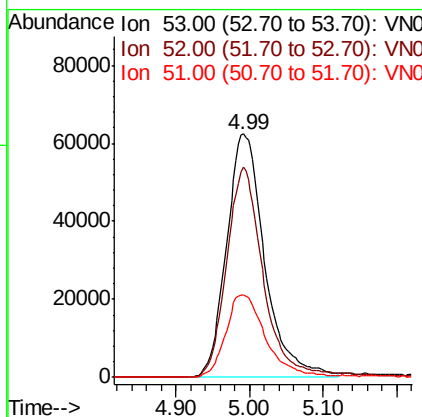
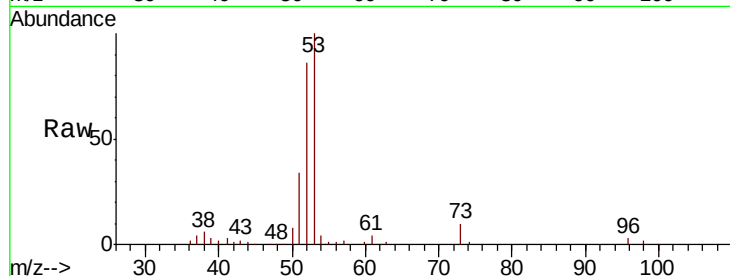
ClientSampleId :

VN0824WBSD02

Tgt Ion:	53	Resp:	224751
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	35.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 100.496 ug/l

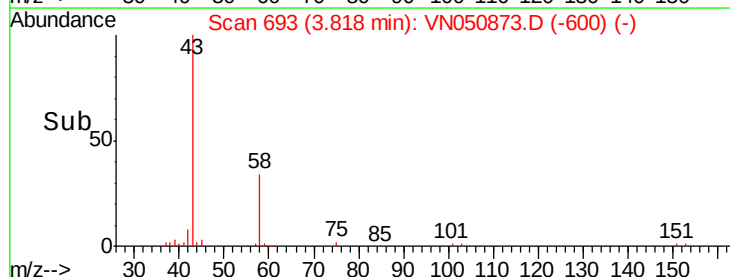
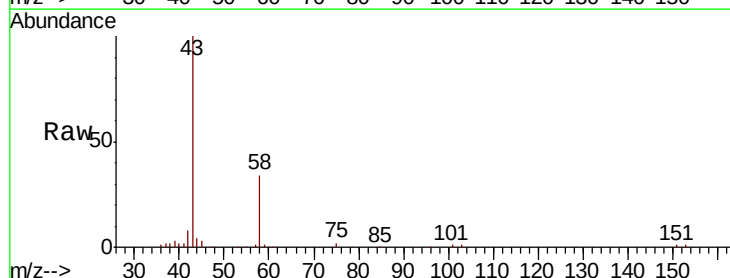
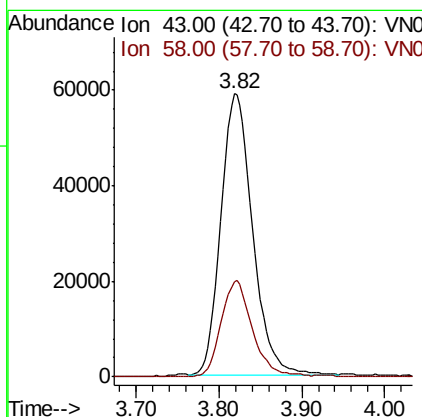
RT: 3.82 min Scan# 693

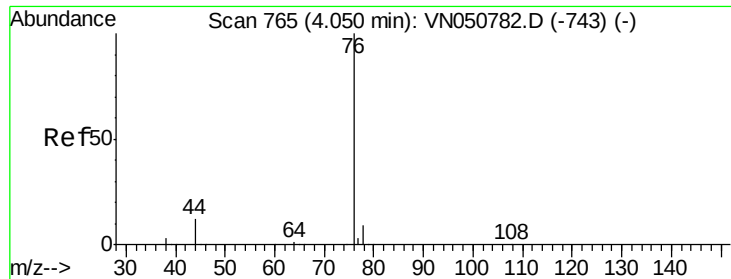
Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	43	Resp:	155750
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.2	40.8





#17

Carbon Disulfide

Concen: 17.902 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 76 Resp: 351654

Ion Ratio Lower Upper

76 100

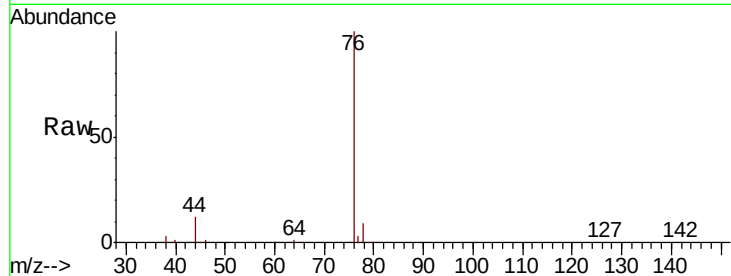
78 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050873.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050873.D (-743) (-)

4.05

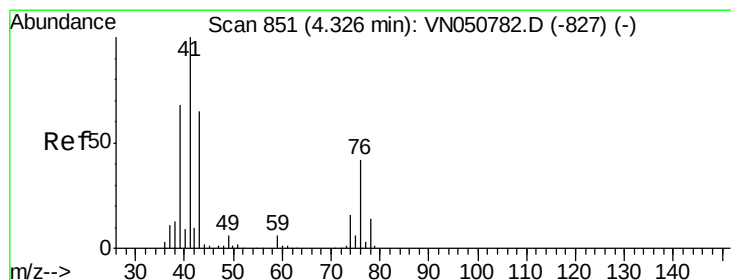
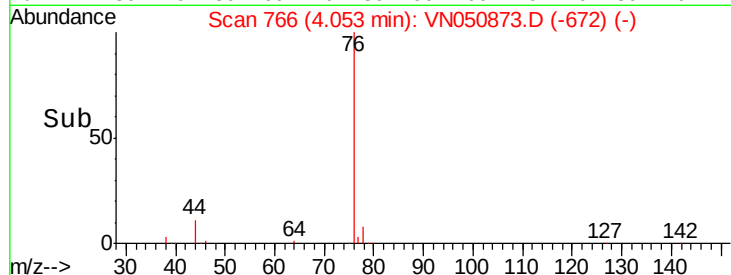
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.706 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050873.D

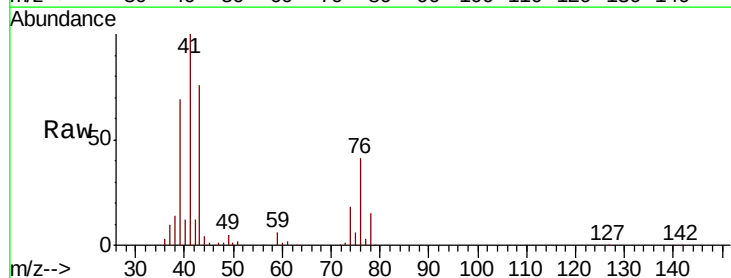
Acq: 24 Aug 2018 13:39

Tgt Ion: 43 Resp: 134661

Ion Ratio Lower Upper

43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050873.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050873.D (-758) (-)

4.33

50000

40000

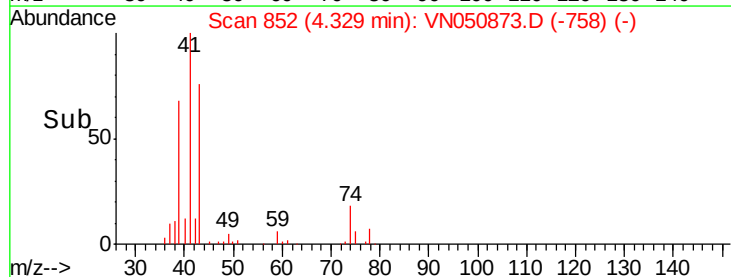
30000

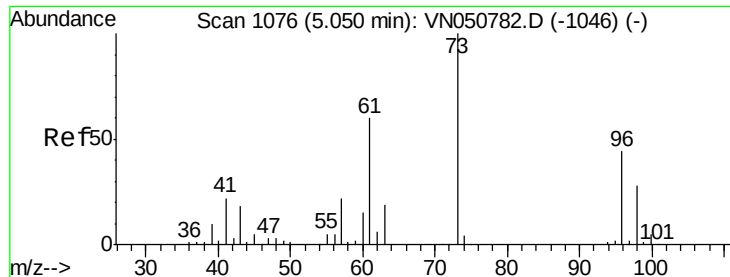
20000

10000

0

Time-->





#19

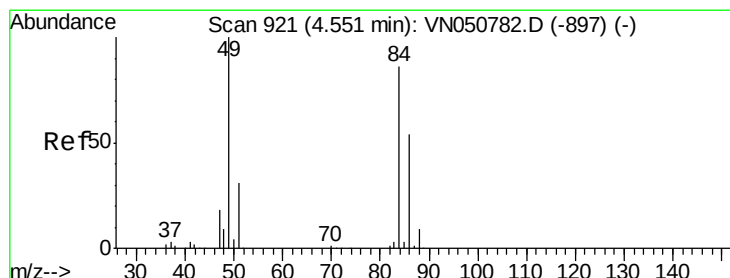
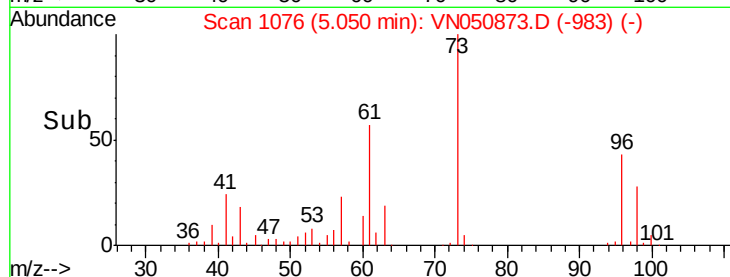
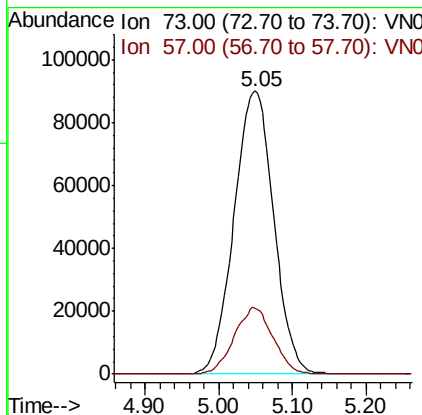
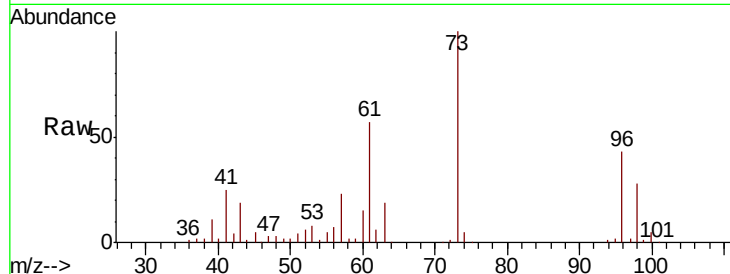
Methyl tert-butyl Ether
 Concen: 22.881 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBSD02

Tgt Ion: 73 Resp: 337244
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.8 26.8

Manual Integrations
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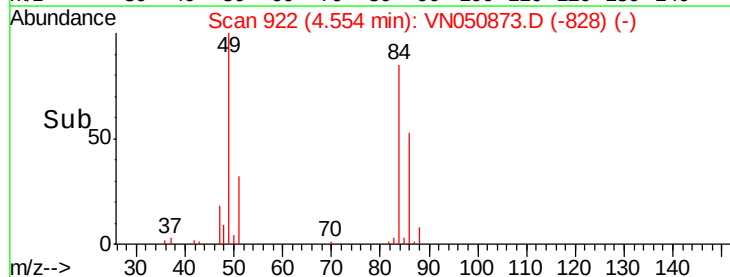
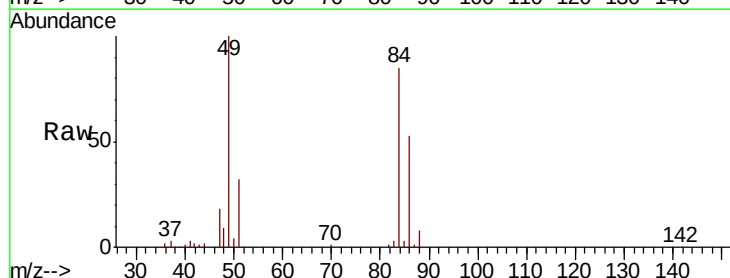
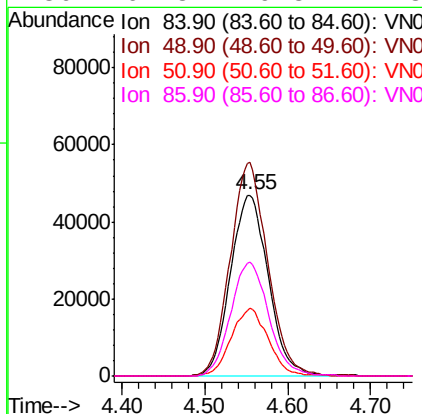
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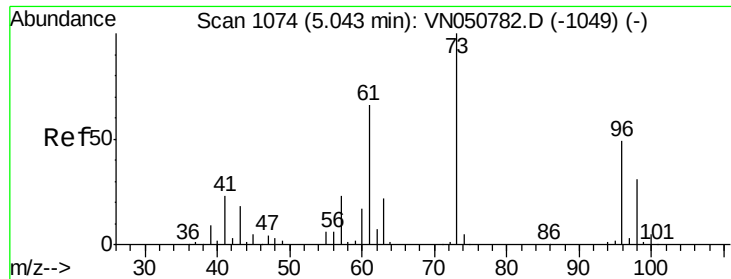


#20

Methylene Chloride
 Concen: 21.049 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 84 Resp: 149002
 Ion Ratio Lower Upper
 84 100
 49 118.0 93.2 139.8
 51 37.2 29.0 43.6
 86 62.8 49.8 74.8





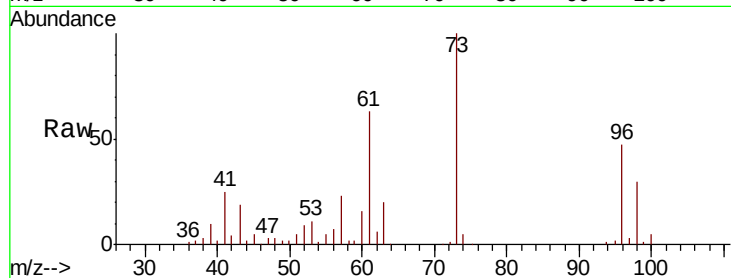
#21
trans-1,2-Dichloroethene
Concen: 20.222 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.1	107.4	161.0
98	64.4	50.7	76.1

Manual Integrations
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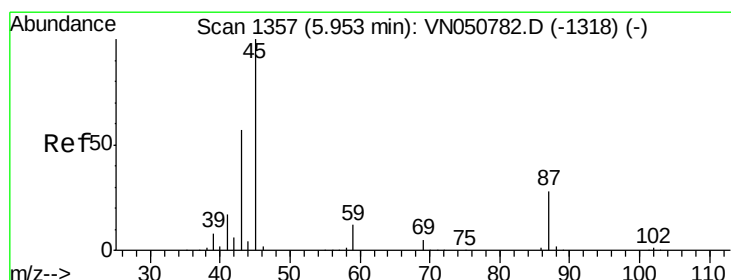
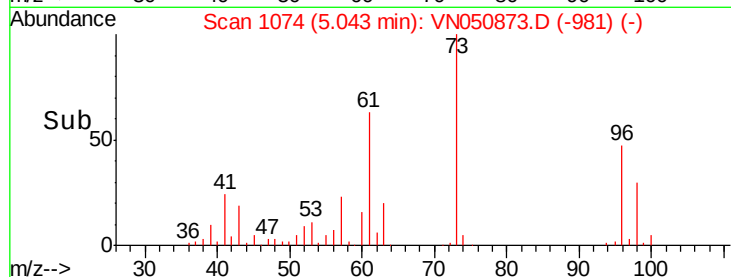
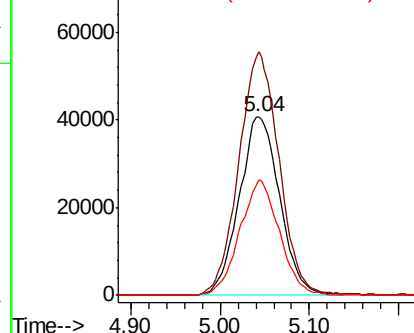


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 23.337 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	45.9	68.9
87	29.1	22.7	34.1
59	11.7	9.3	13.9

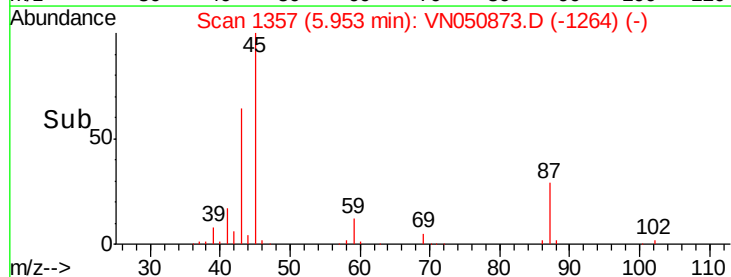
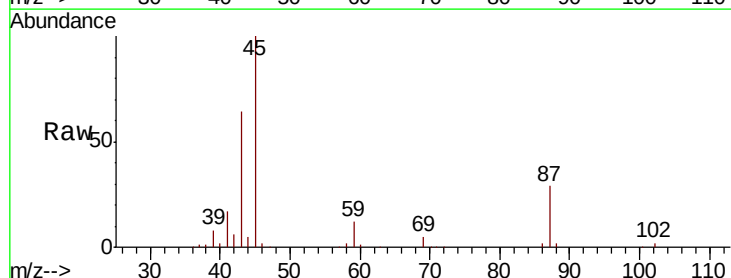
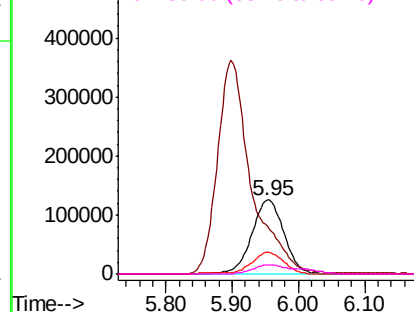
Abundance

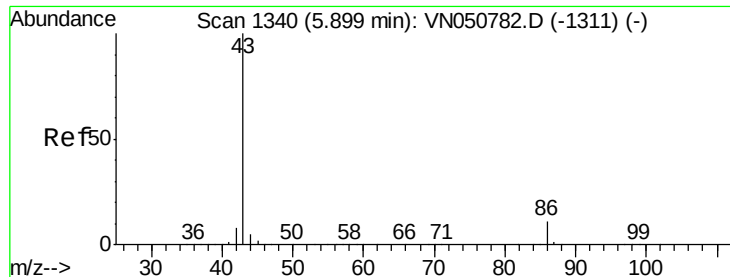
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





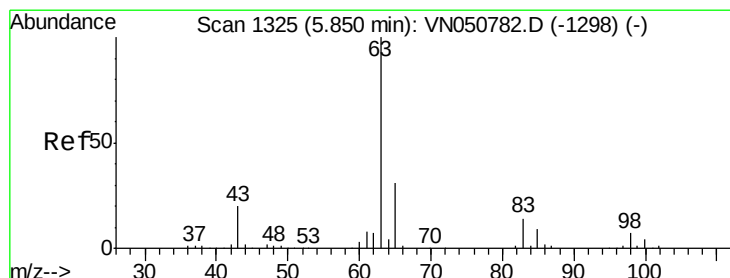
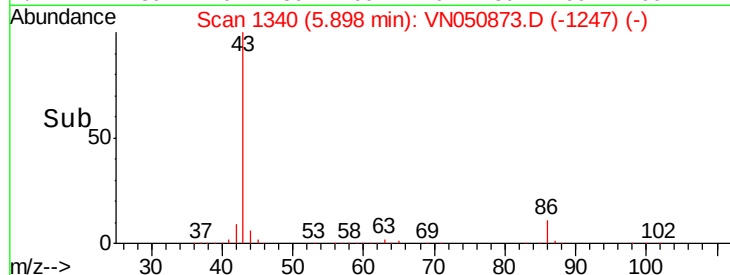
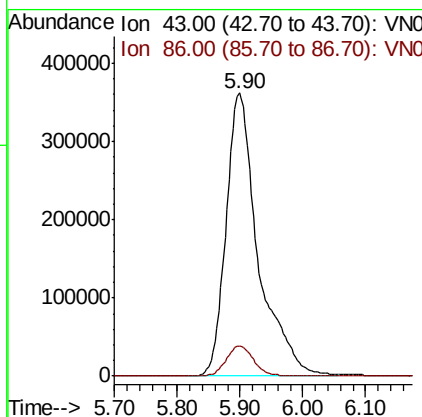
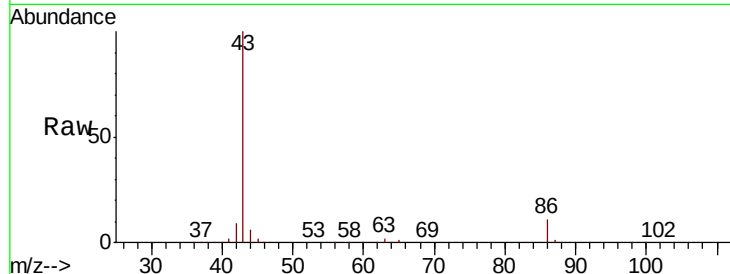
#23
 Vinyl Acetate
 Concen: 109.920 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion: 43 Resp: 1288089
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1

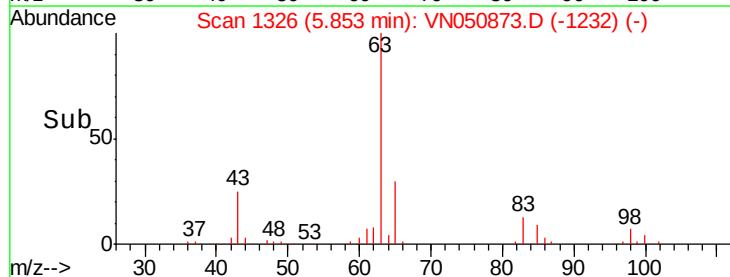
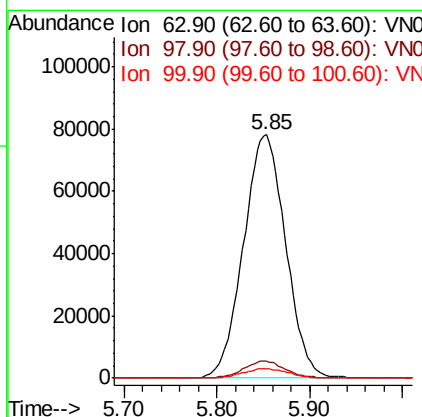
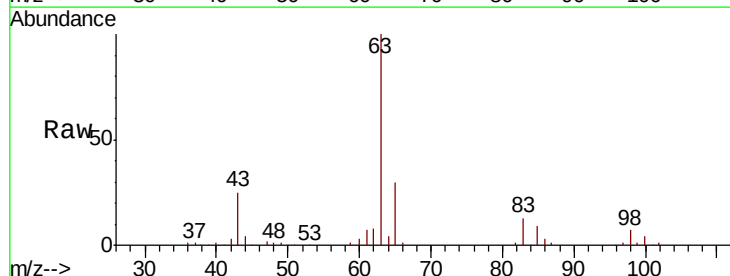
Manual Integrations
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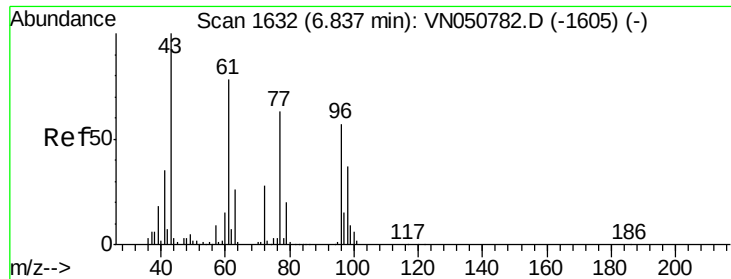
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#24
 1,1-Dichloroethane
 Concen: 21.126 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 63 Resp: 246798
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 94.835 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 43 Resp: 240036

Ion Ratio Lower Upper

43 100

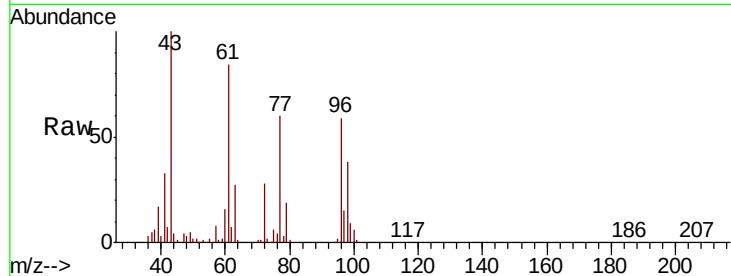
72 28.0 22.3 33.5

Manual Integrations

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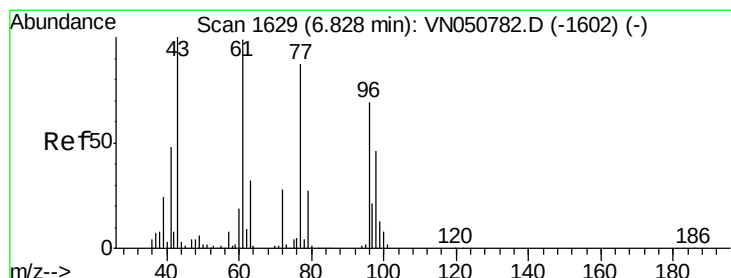
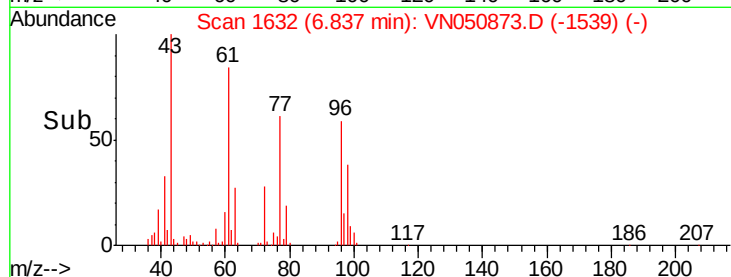
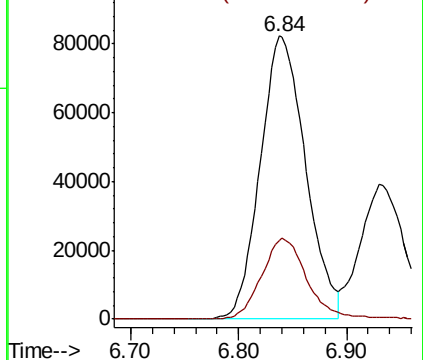
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.170 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050873.D

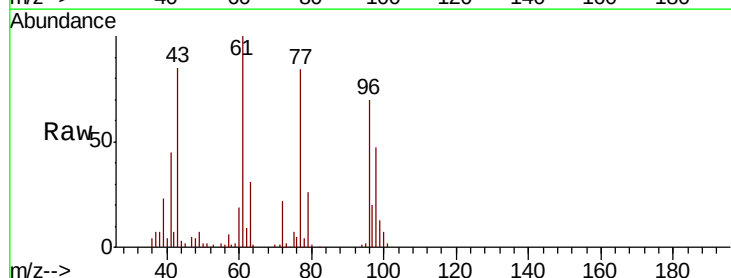
Acq: 24 Aug 2018 13:39

Tgt Ion: 77 Resp: 179948

Ion Ratio Lower Upper

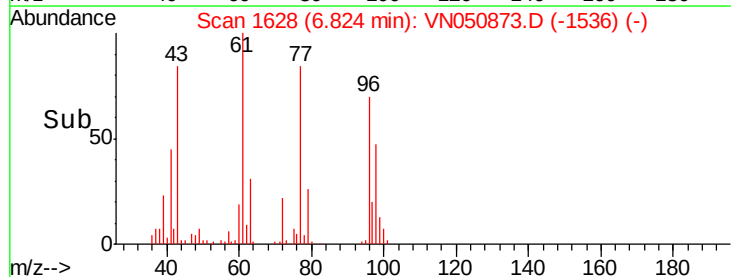
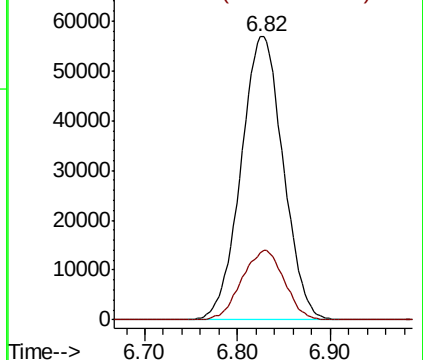
77 100

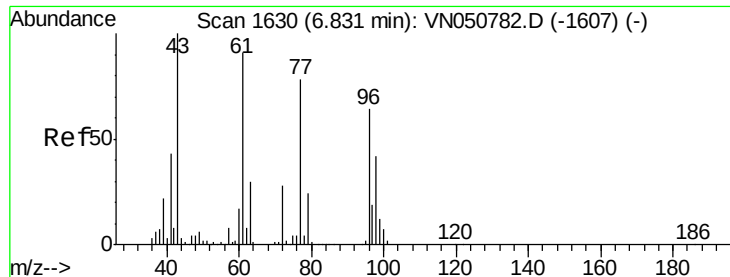
97 24.6 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.802 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

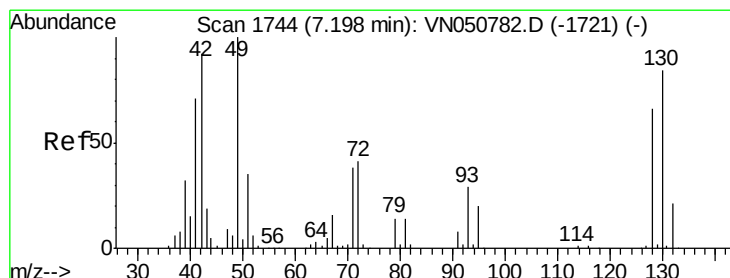
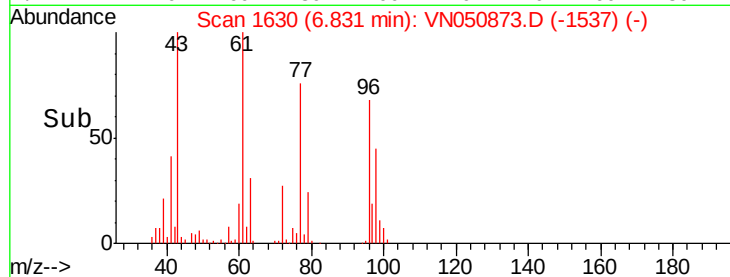
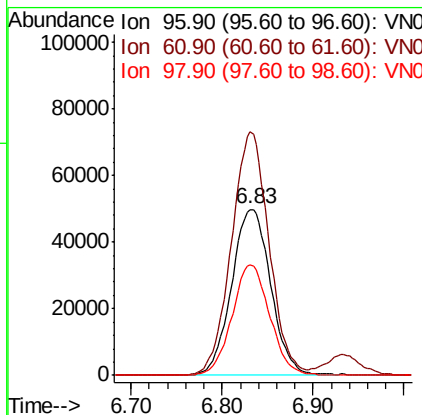
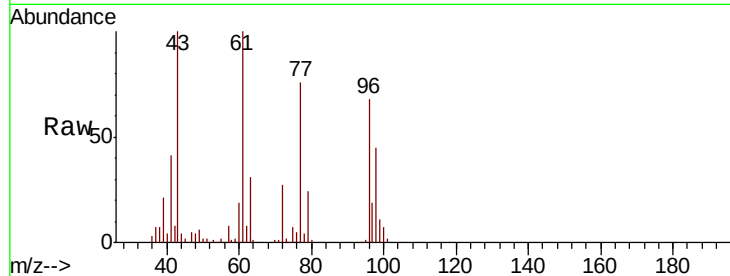
ClientSampleId :

VN0824WBSD02

Tgt Ion:	96	Resp:	148965
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	283.4
98	64.2	0.0	129.8

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#28

Bromochloromethane

Concen: 21.109 ug/l

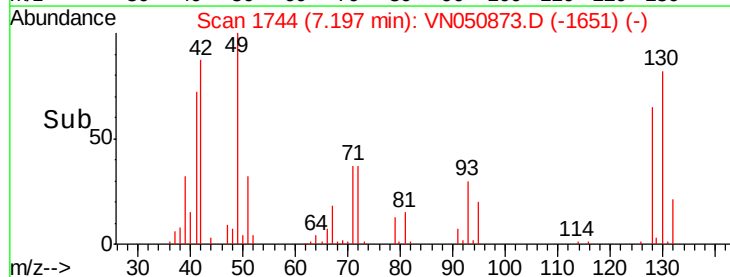
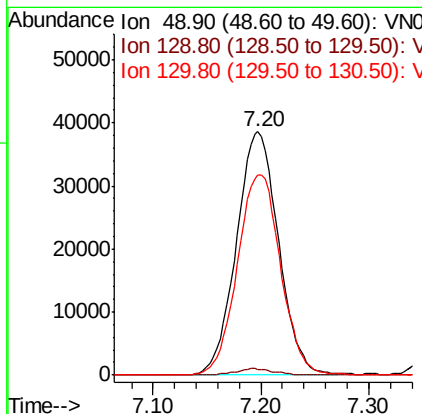
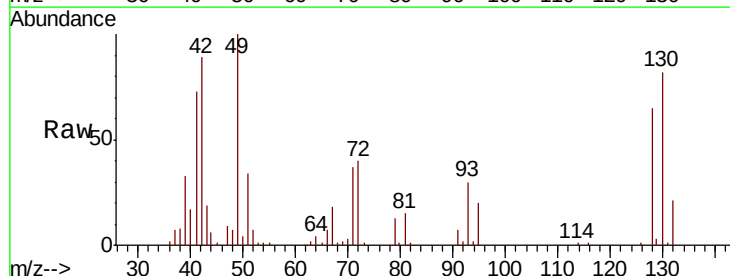
RT: 7.20 min Scan# 1744

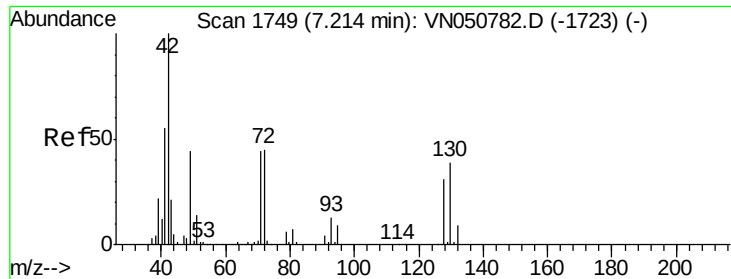
Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	49	Resp:	104783
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	84.4	67.1	100.7





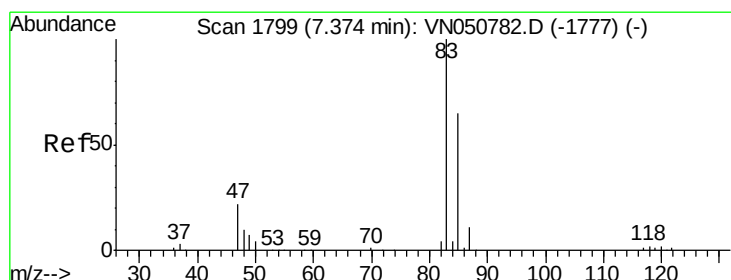
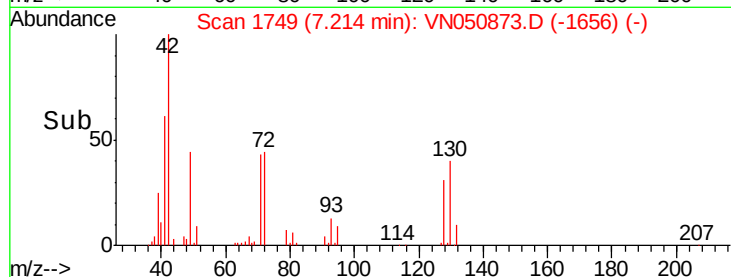
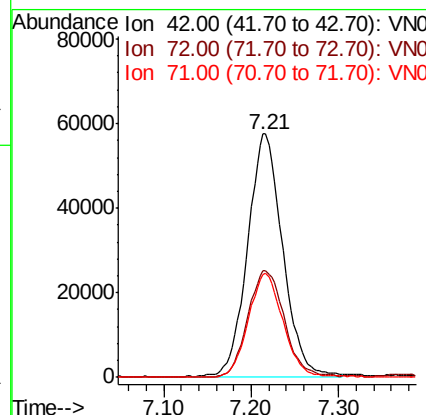
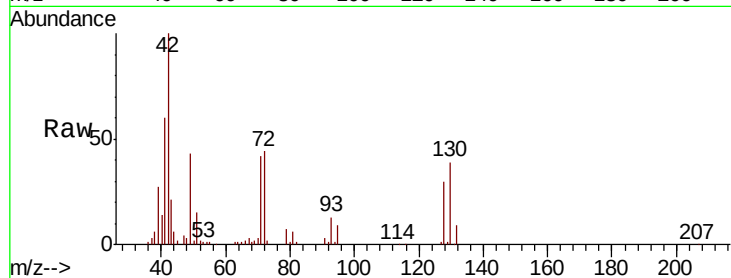
#29
Tetrahydrofuran
Concen: 109.779 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.5	53.3
71	42.5	33.7	50.5

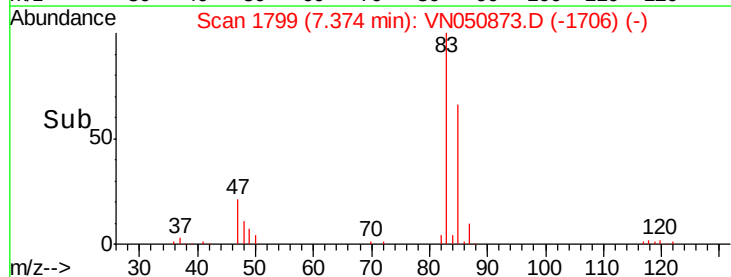
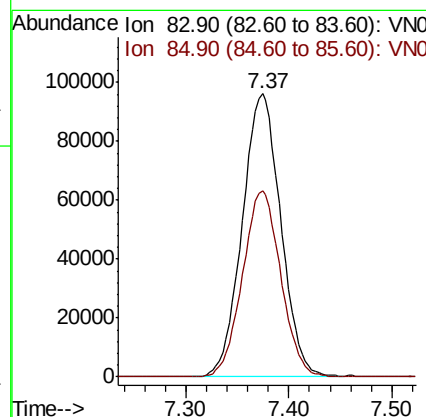
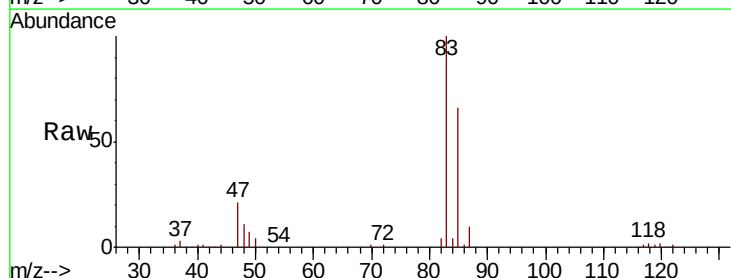
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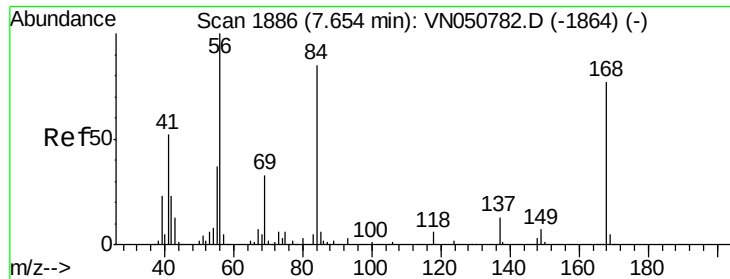
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#30
Chloroform
Concen: 21.579 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





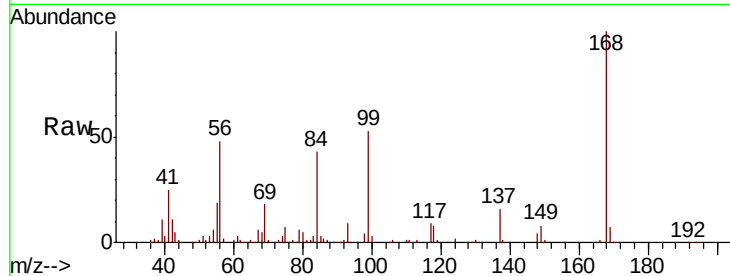
#31
Cyclohexane
Concen: 18.964 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.7	26.2	39.4
84	86.9	68.3	102.5

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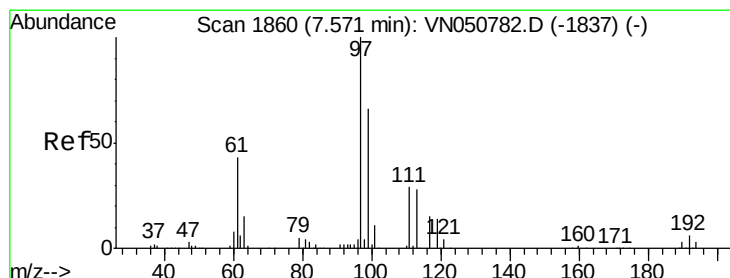
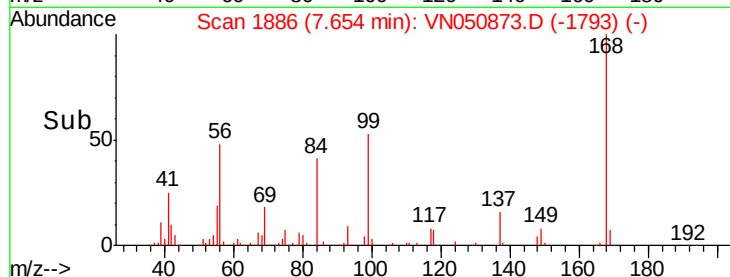
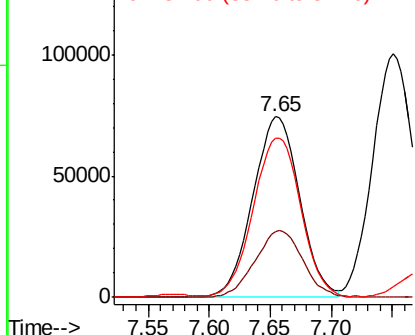


Abundance

Ion 56.00 (55.70 to 56.70): VNO

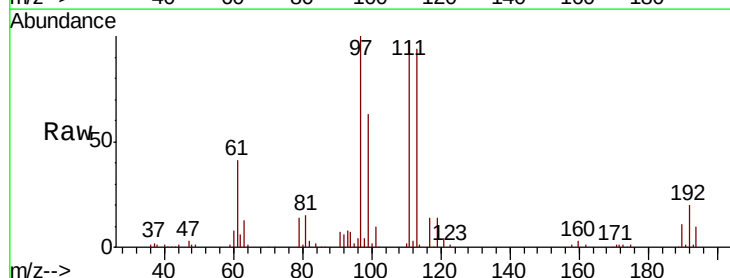
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 20.245 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	42.9	34.9	52.3

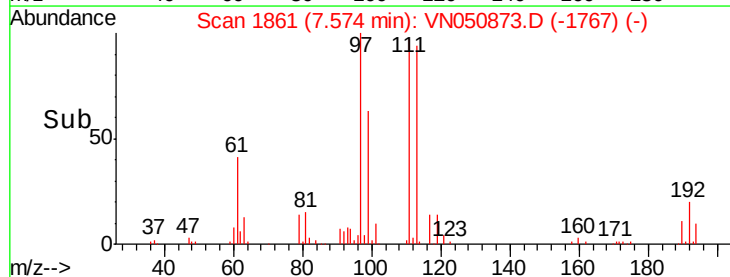
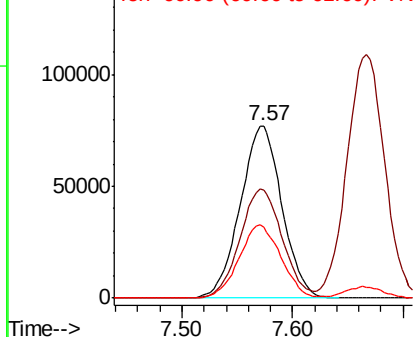


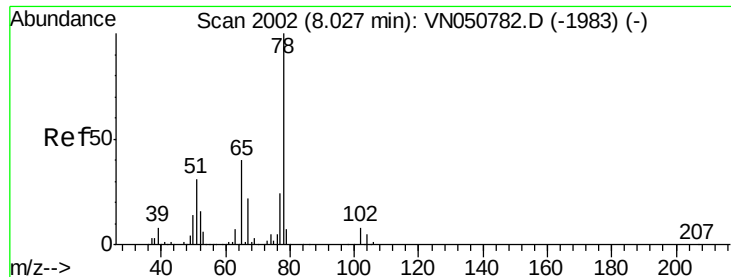
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





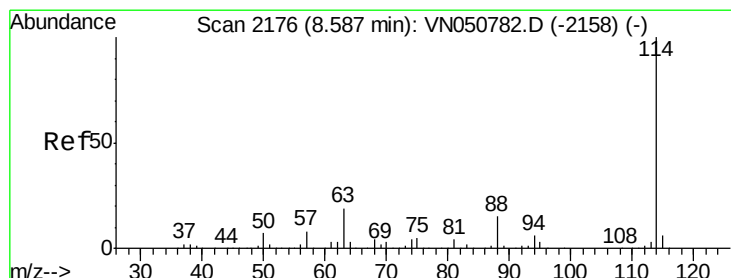
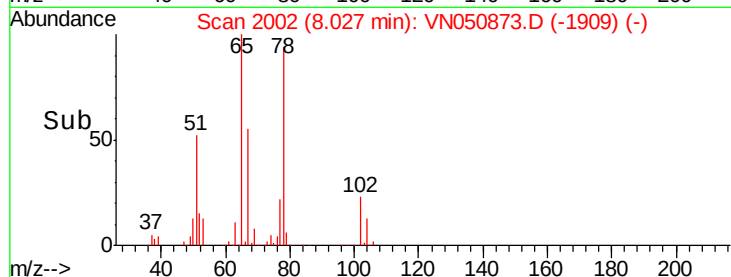
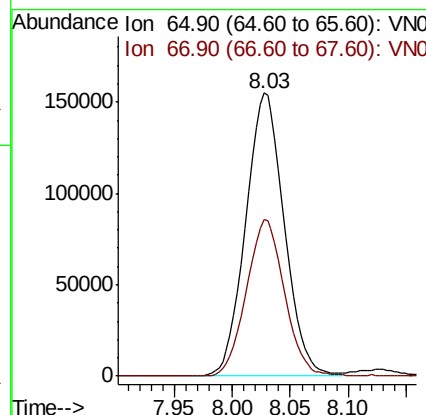
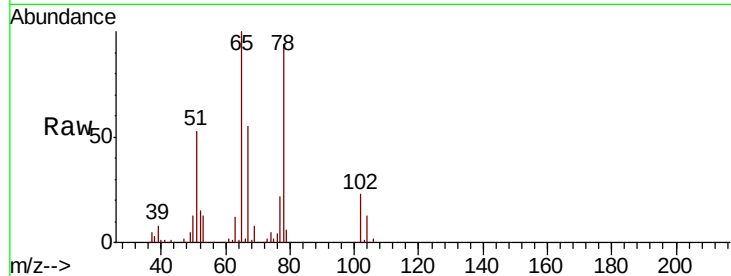
#33
 1,2-Dichloroethane-d4
 Concen: 57.113 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	358708		
67	54.6	0.0	110.4	

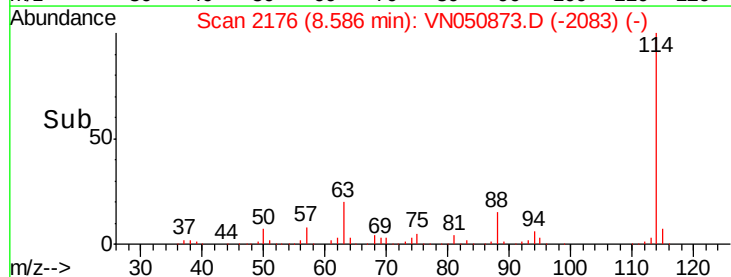
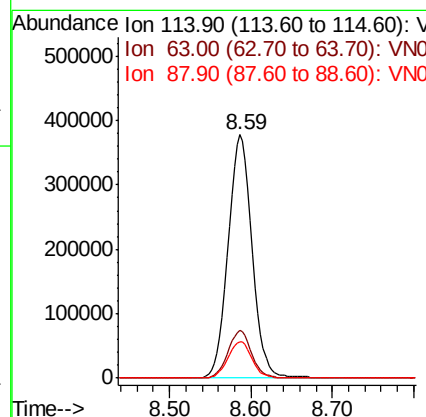
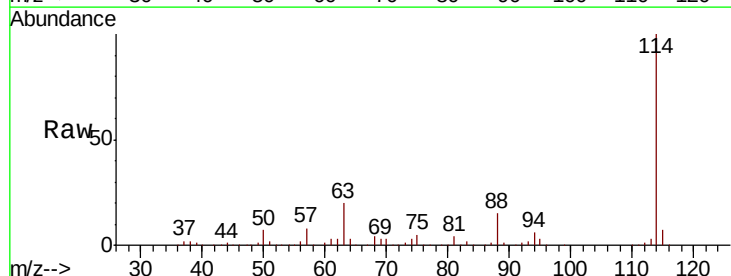
Manual Integrations
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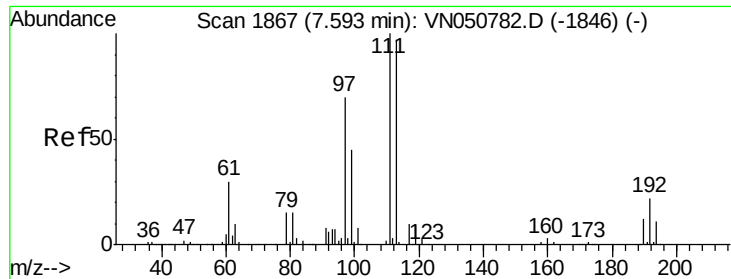
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	785389		
63	19.5	0.0	38.6	
88	15.1	0.0	30.6	





#35

Dibromofluoromethane

Concen: 53.662 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

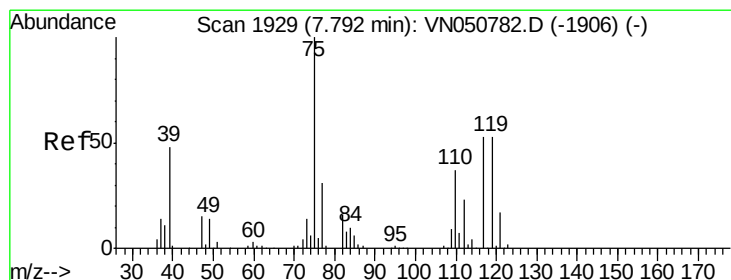
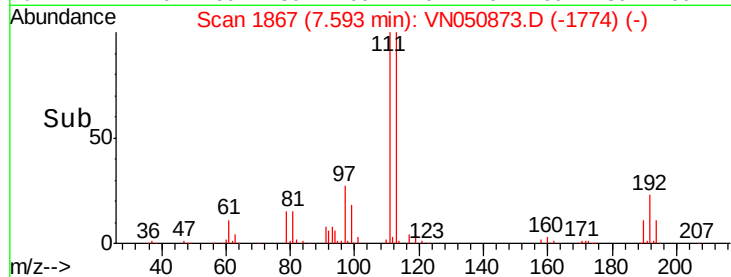
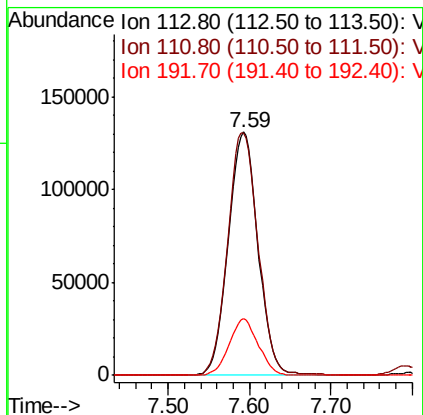
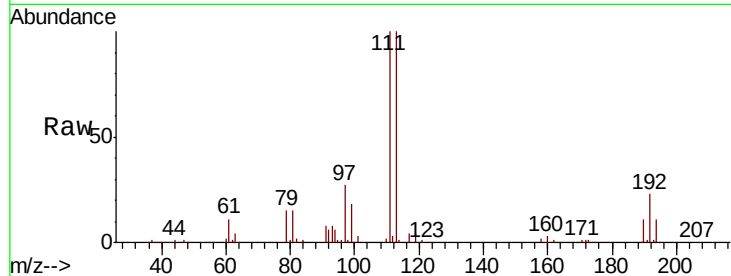
ClientSampleId :

VN0824WBSD02

Tgt Ion:	113	Resp:	335292
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.6	123.8
192	22.6	18.0	27.0

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#36

1,1-Dichloropropene

Concen: 18.885 ug/l

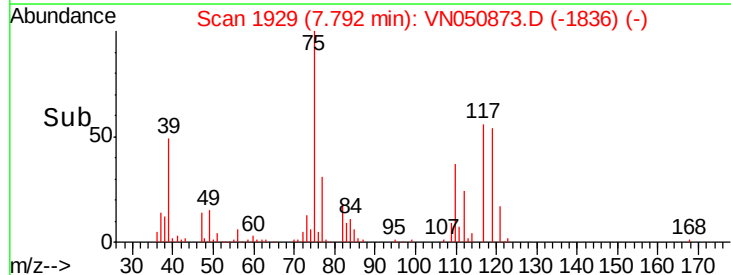
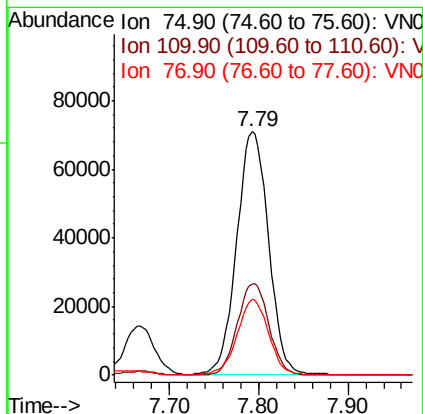
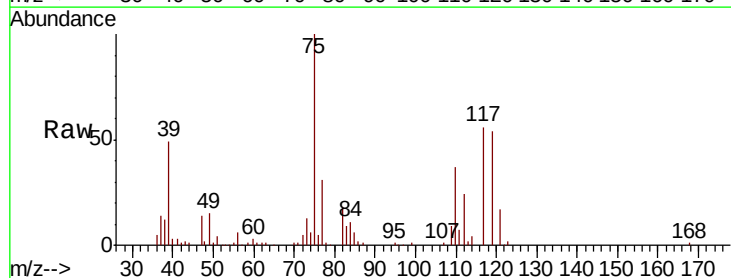
RT: 7.79 min Scan# 1929

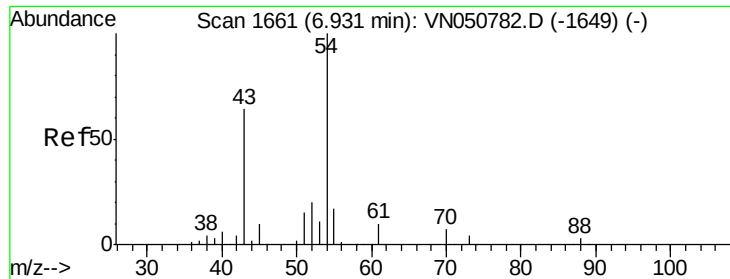
Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	75	Resp:	175023
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.1	54.4
77	31.0	24.8	37.2





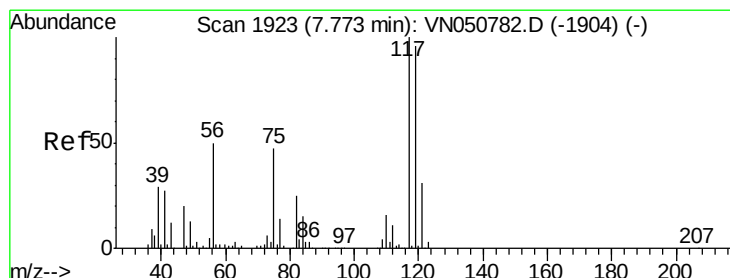
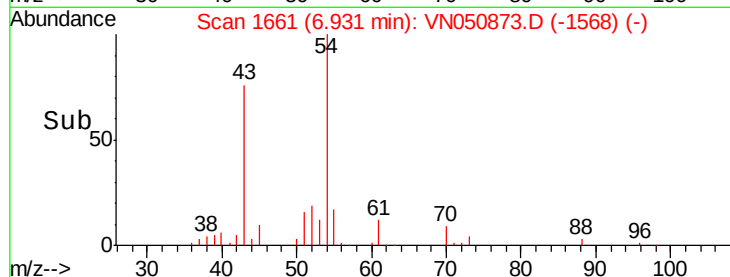
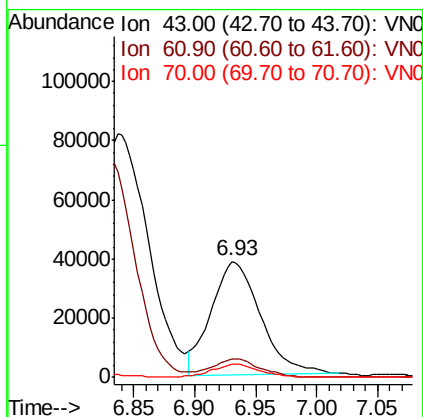
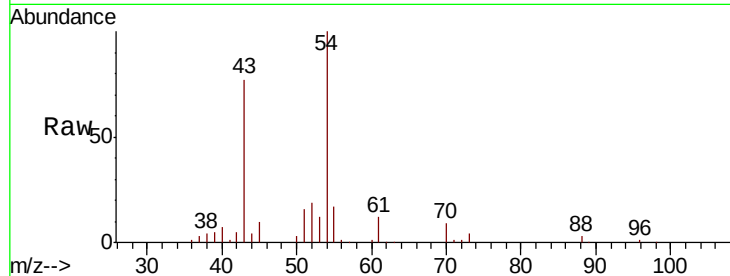
#37
Ethyl Acetate
 Concen: 20.316 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.6	8.6	13.0

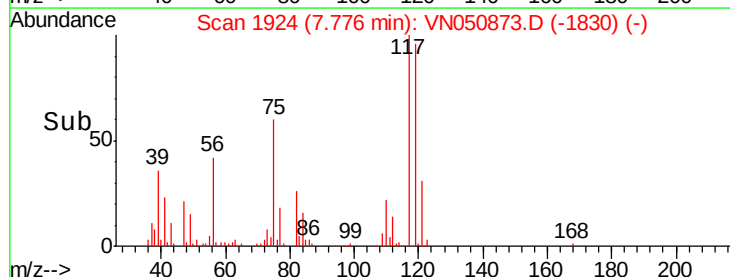
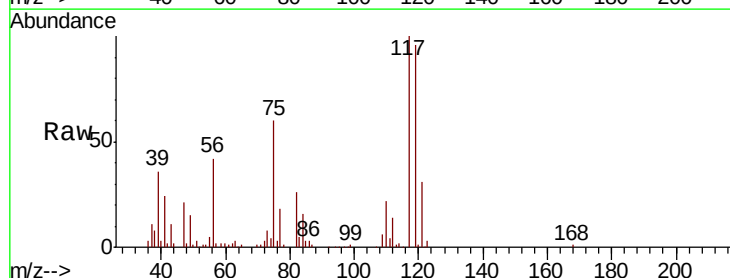
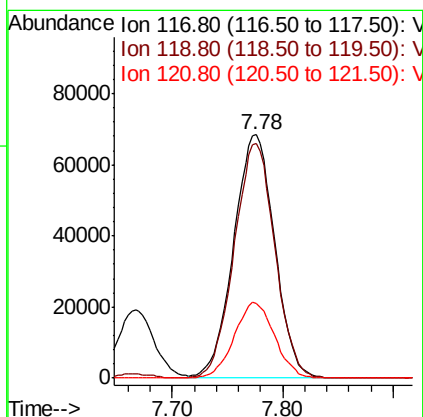
Manual Integrations
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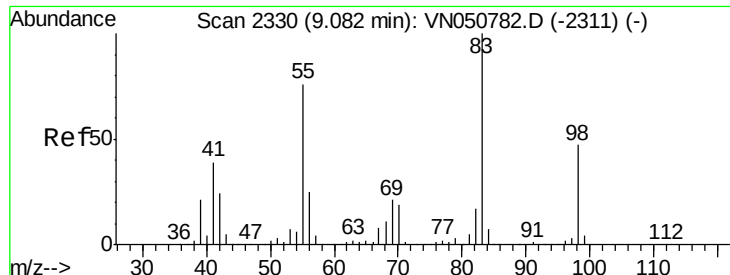
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#38
Carbon Tetrachloride
 Concen: 18.828 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.3	114.5
121	30.7	24.6	36.8





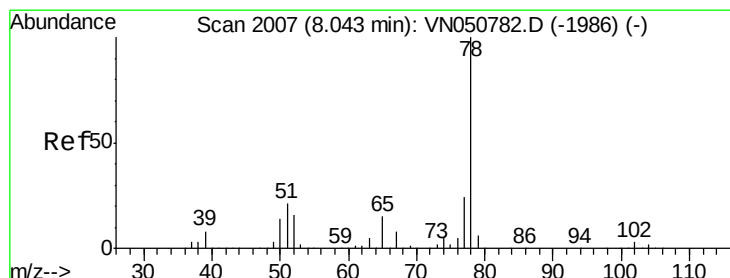
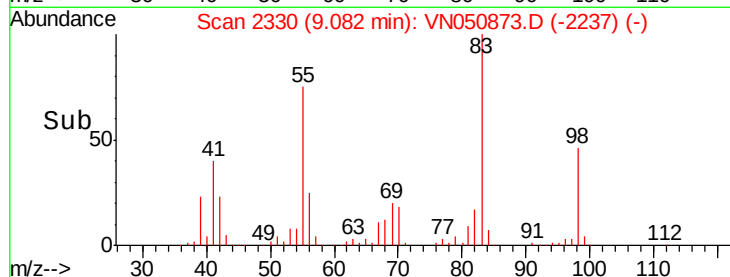
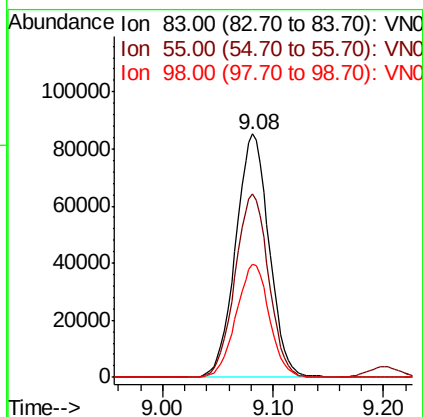
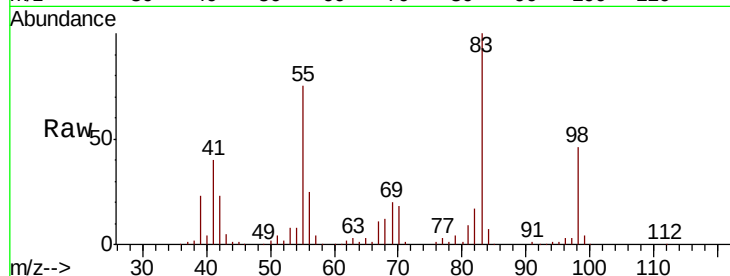
#39
Methylcyclohexane
Concen: 17.829 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.0	91.4
98	46.4	37.5	56.3

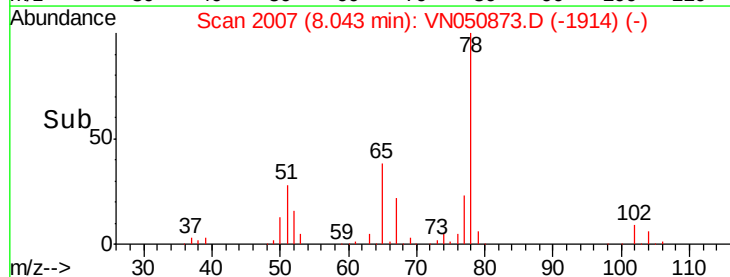
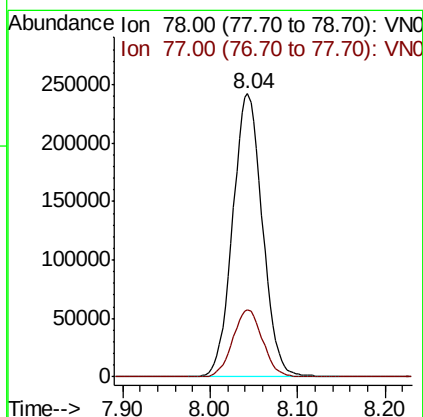
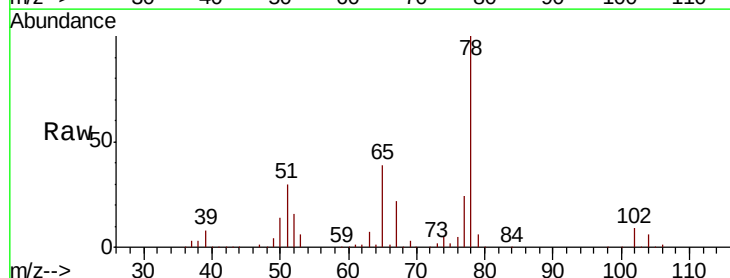
Manual Integrations
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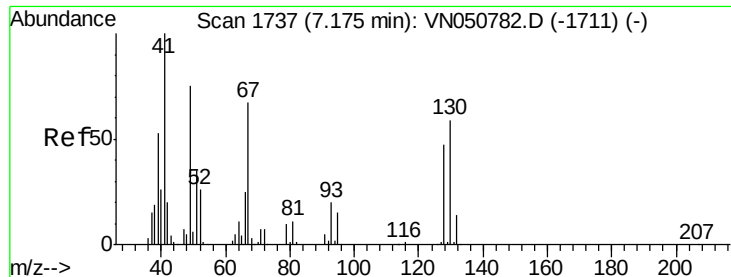
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#40
Benzene
Concen: 20.469 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





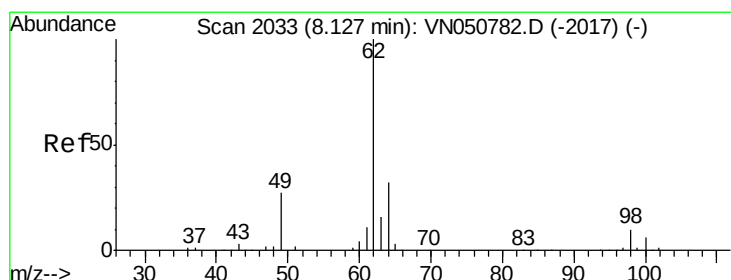
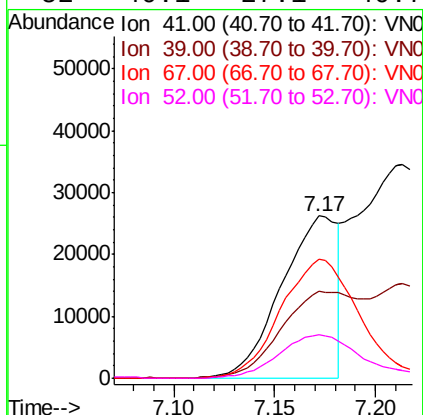
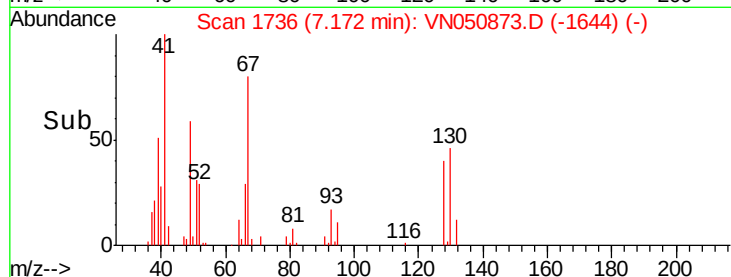
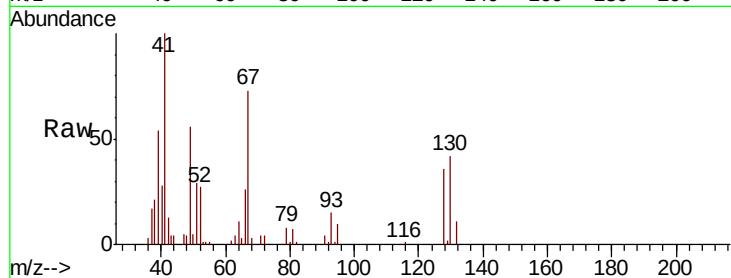
#41
Methacrylonitrile
Concen: 17.565 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.1	45.4	68.0#
67	102.6	70.6	106.0
52	40.1	27.1	40.7

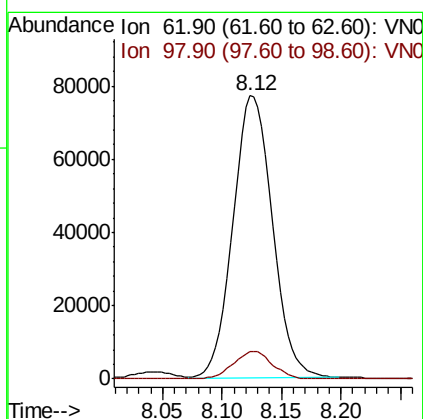
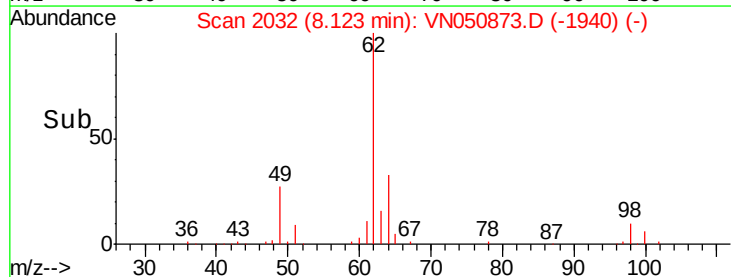
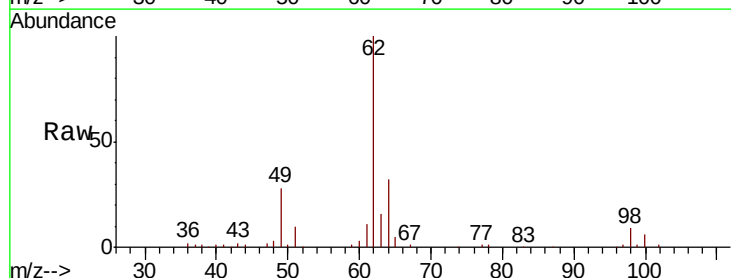
Manual Integrations
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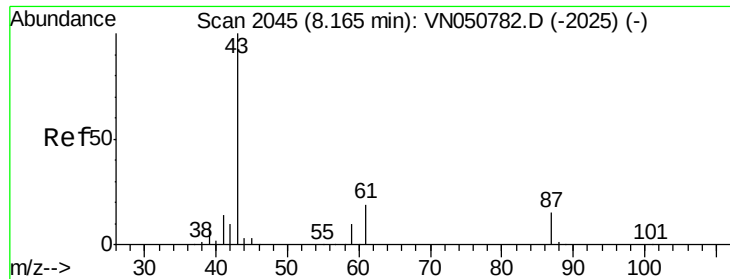
MMDadoda
8/25/2018 1:18:56 PM



#42
1,2-Dichloroethane
Concen: 21.223 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.133 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

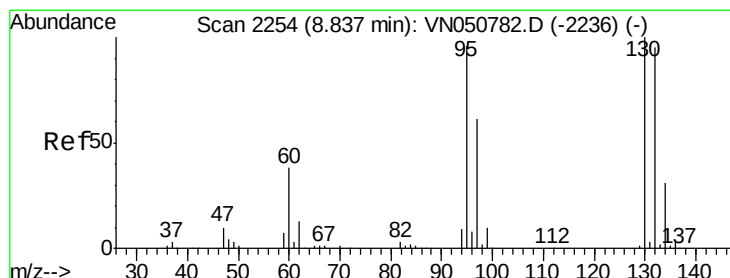
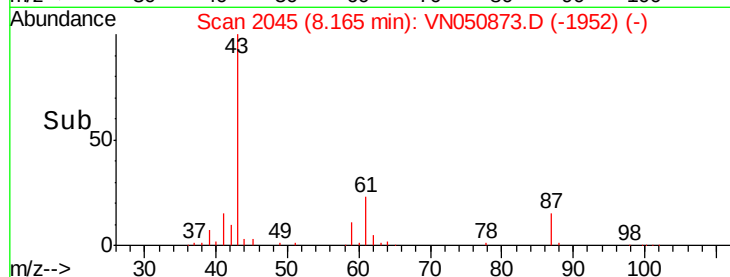
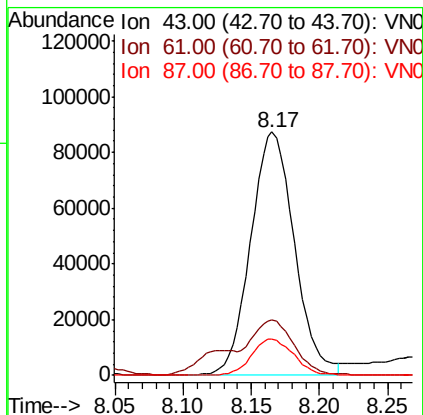
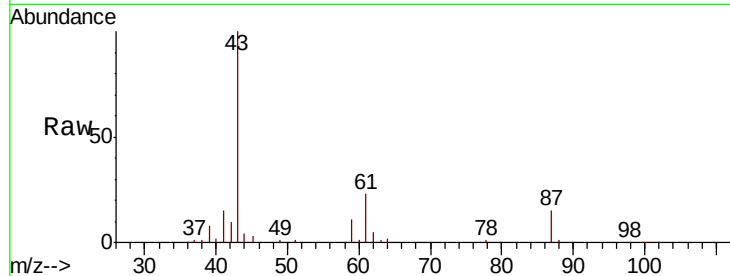
ClientSampleId :

VN0824WBSD02

Tgt Ion:	43	Resp:	193447
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.5	26.3
87	14.5	11.3	16.9

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#44

Trichloroethene

Concen: 19.543 ug/l

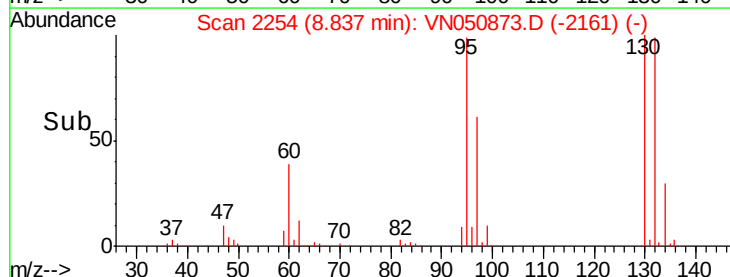
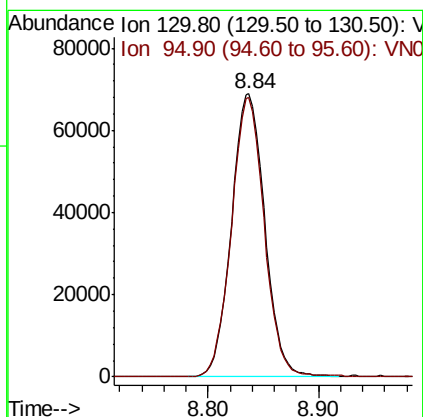
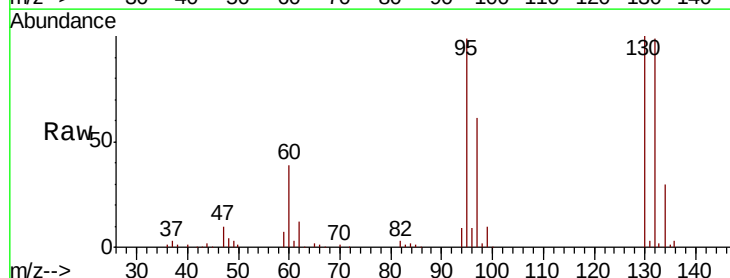
RT: 8.84 min Scan# 2254

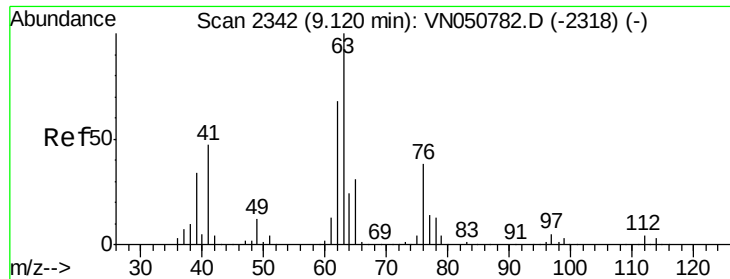
Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	130	Resp:	144046
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	193.0





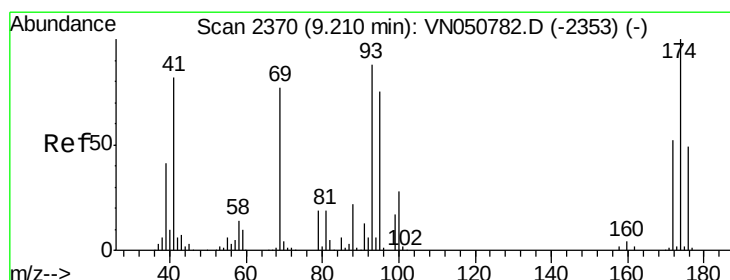
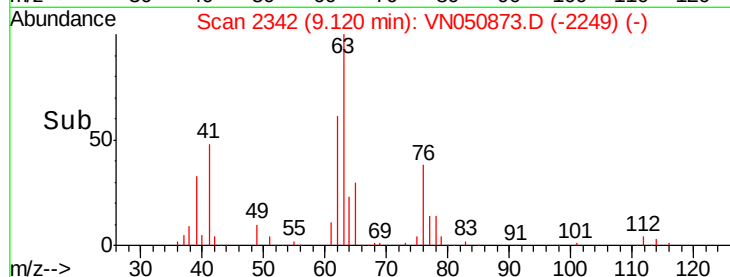
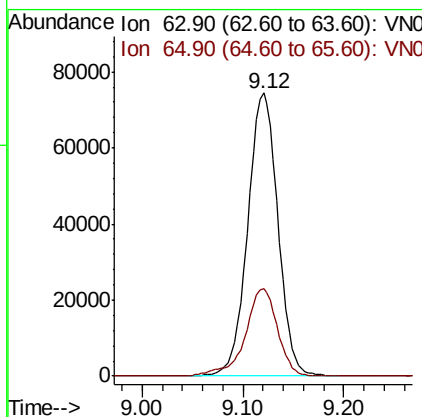
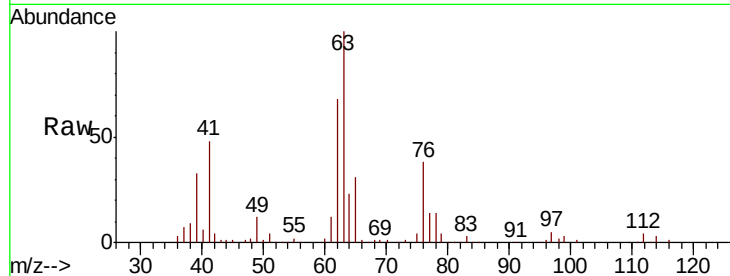
#45
 1,2-Dichloropropane
 Concen: 20.944 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion: 63 Resp: 153837
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

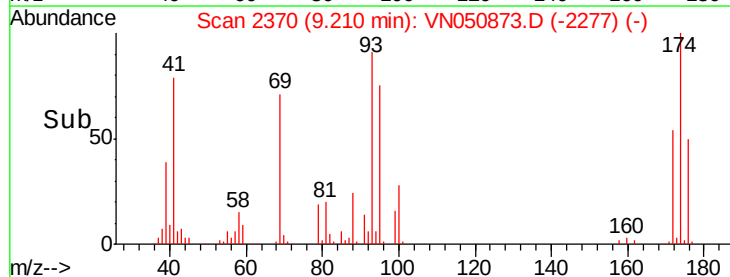
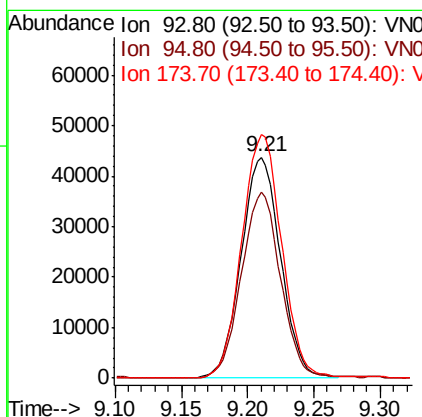
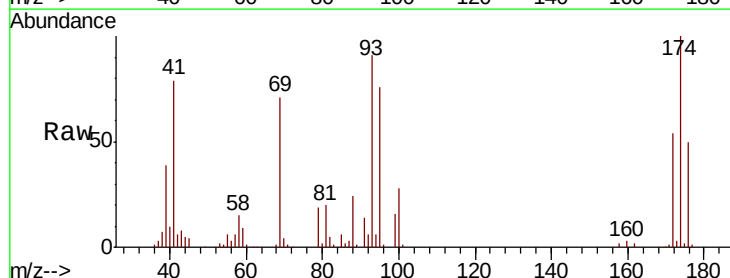
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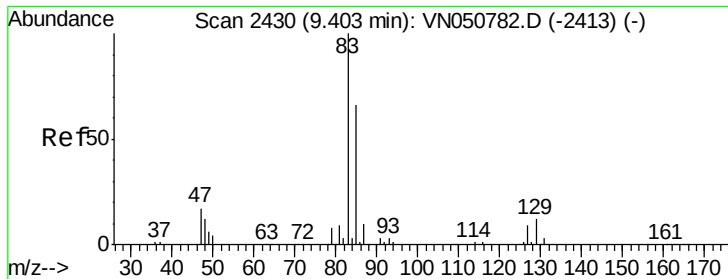
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#46
 Dibromomethane
 Concen: 21.014 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 93 Resp: 90691
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 111.5 89.8 134.6





#47

Bromodichloromethane

Concen: 20.885 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 83 Resp: 188789

Ion Ratio Lower Upper

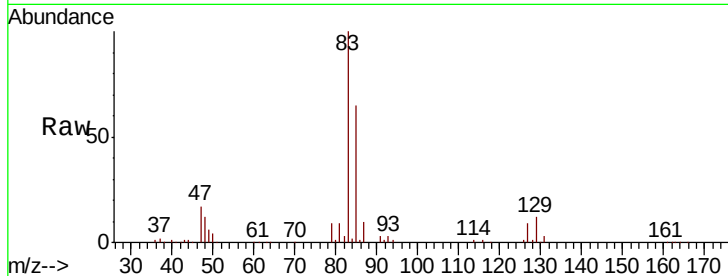
83 100

85 64.9 52.6 78.8

127 9.0 7.2 10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN050873.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050873.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050873.D (-2413) (-)

9.40

120000

100000

80000

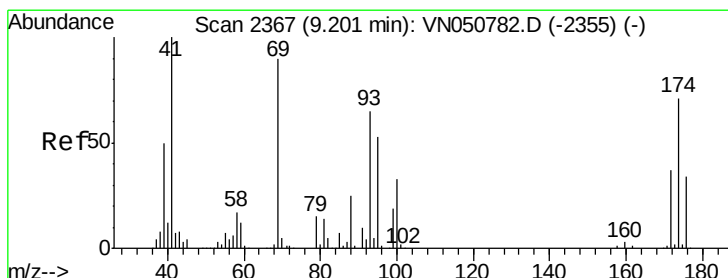
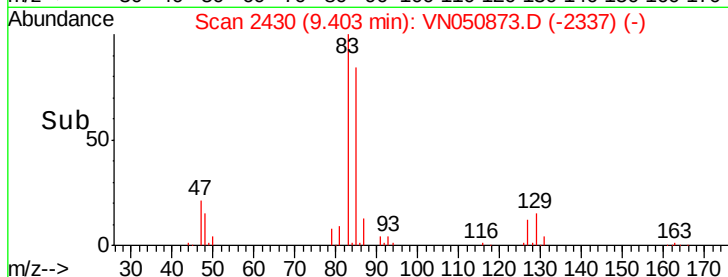
60000

40000

20000

0

Time-->



#48

Methyl methacrylate

Concen: 20.834 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

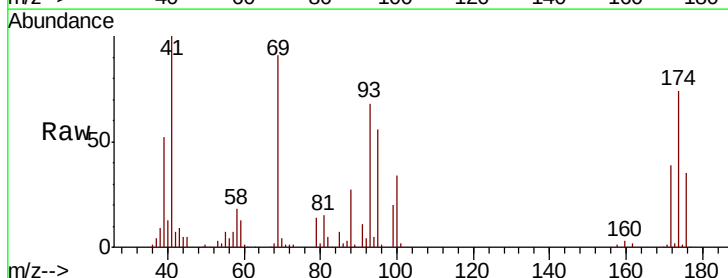
Tgt Ion: 41 Resp: 97190

Ion Ratio Lower Upper

41 100

69 92.6 74.7 112.1

39 52.5 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050873.D (-2367) (-)

Ion 69.00 (68.70 to 69.70): VN050873.D (-2367) (-)

Ion 39.00 (38.70 to 39.70): VN050873.D (-2367) (-)

9.20

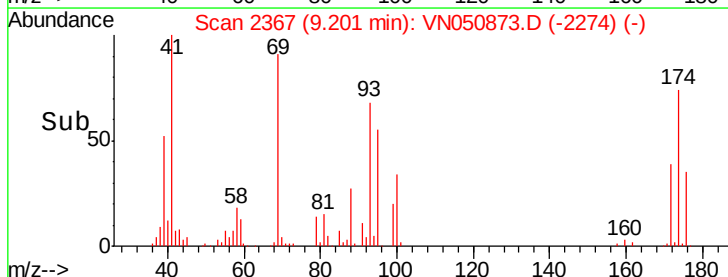
60000

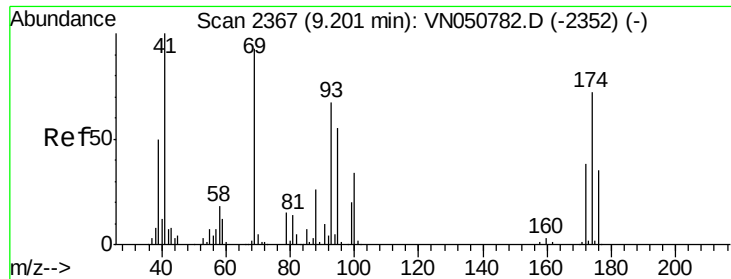
40000

20000

0

Time-->





#49

1,4-Dioxane

Concen: 448.966 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

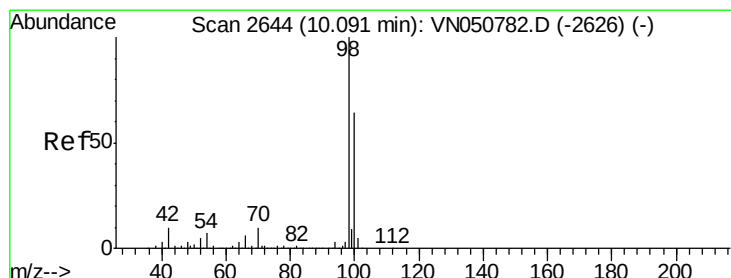
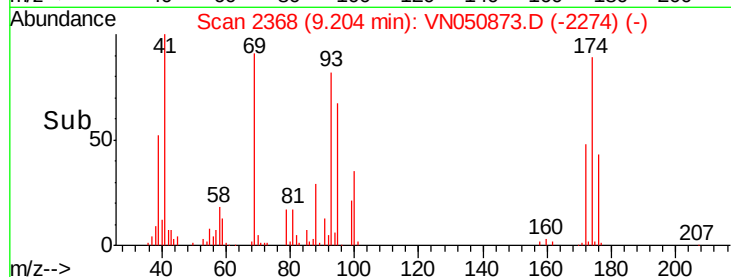
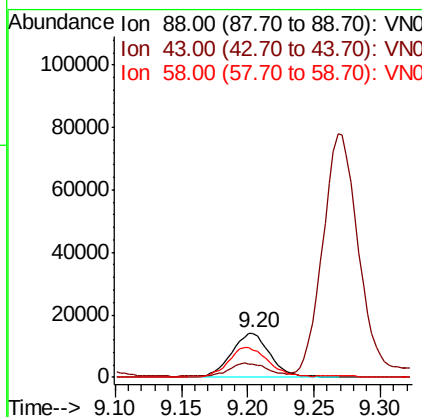
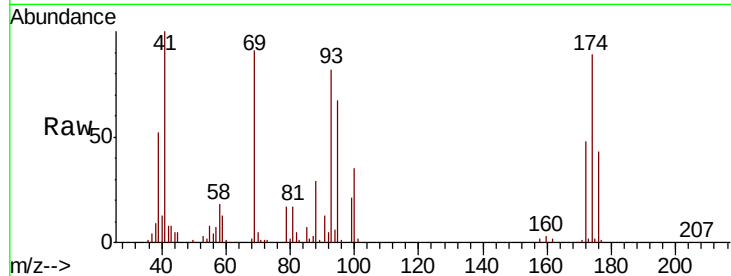
ClientSampleID :

VN0824WBSD02

Tgt Ion:	88	Resp:	28552
Ion	Ratio	Lower	Upper
88	100		
43	28.2	25.9	38.9
58	70.8	55.0	82.4

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#50

Toluene-d8

Concen: 51.789 ug/l

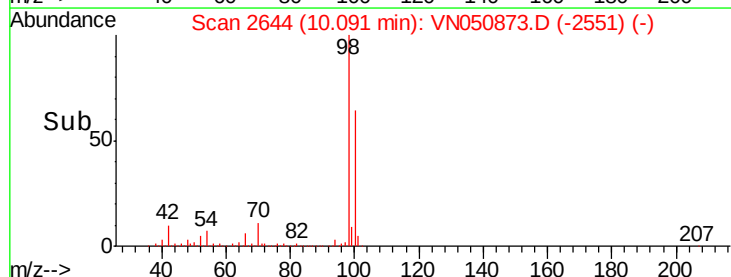
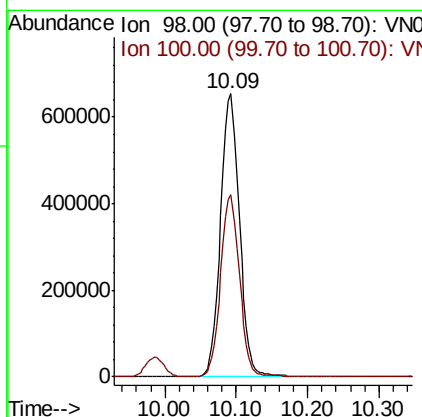
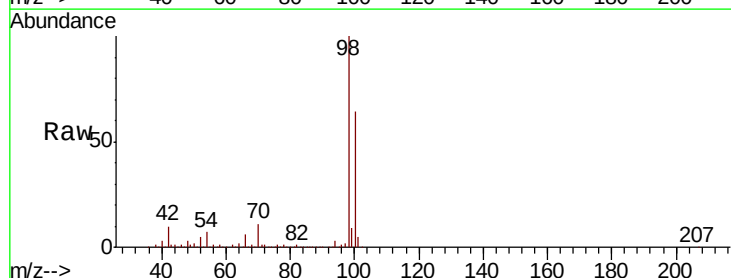
RT: 10.09 min Scan# 2644

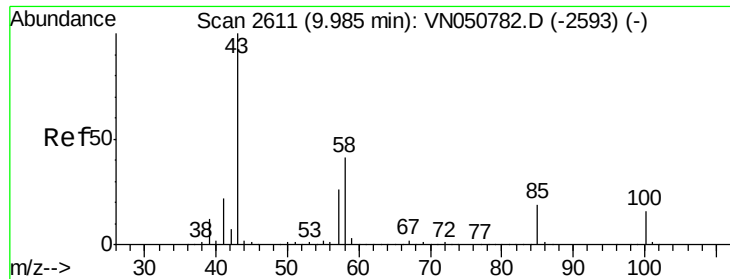
Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	98	Resp:	1209813
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.684 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion: 43 Resp: 544519

Ion Ratio Lower Upper

43 100

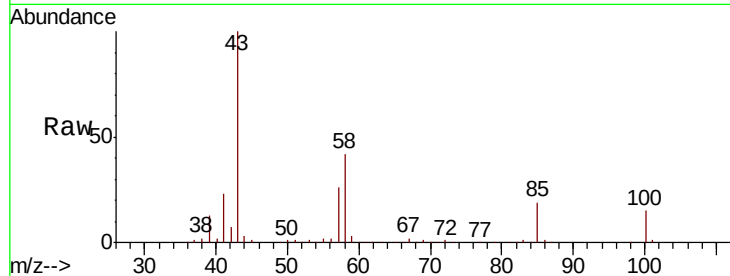
58 40.8 32.4 48.6

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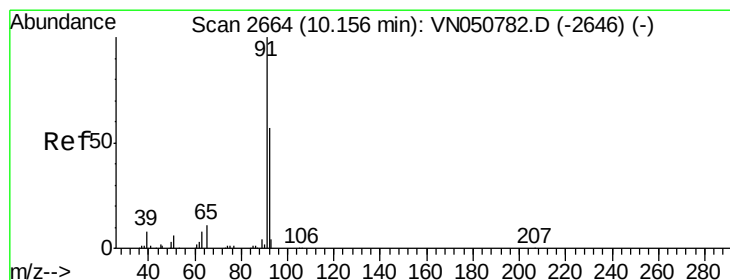
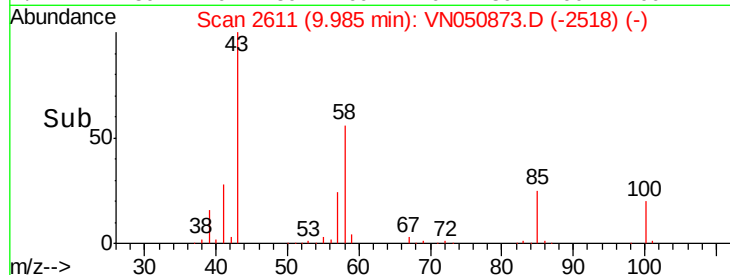
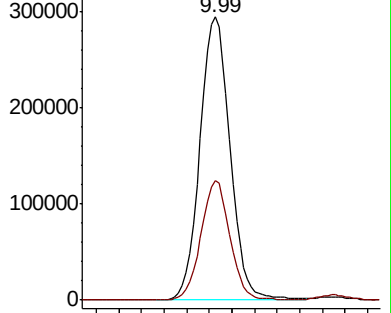
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.784 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050873.D

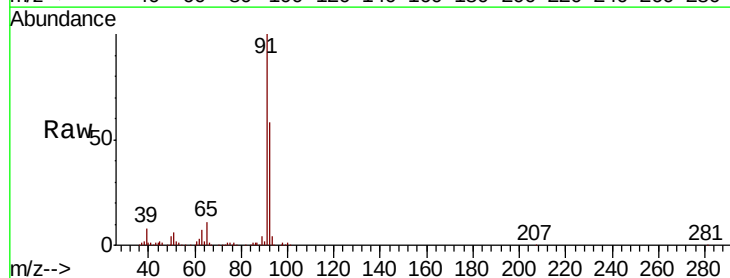
Acq: 24 Aug 2018 13:39

Tgt Ion: 92 Resp: 344097

Ion Ratio Lower Upper

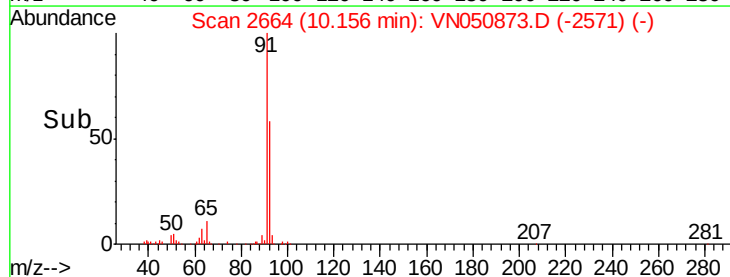
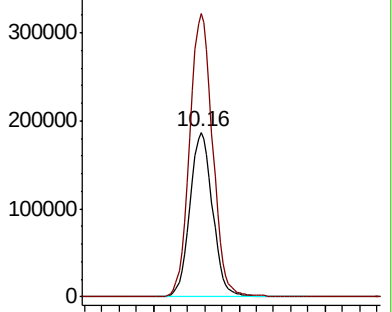
92 100

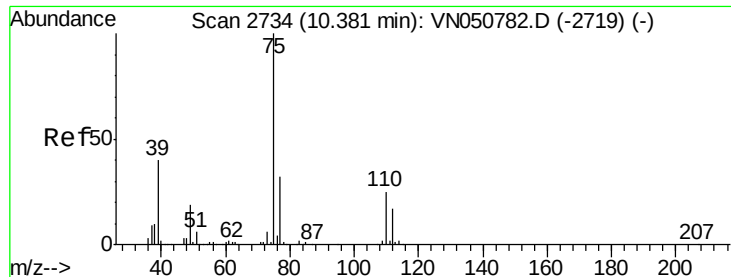
91 173.4 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





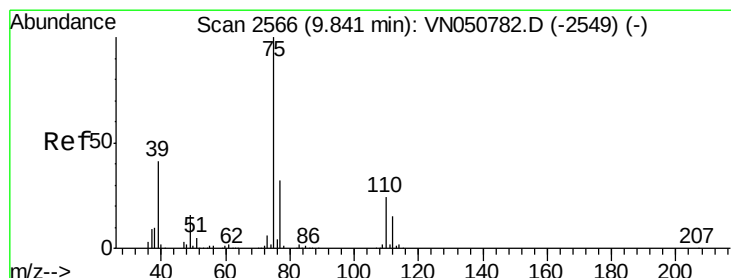
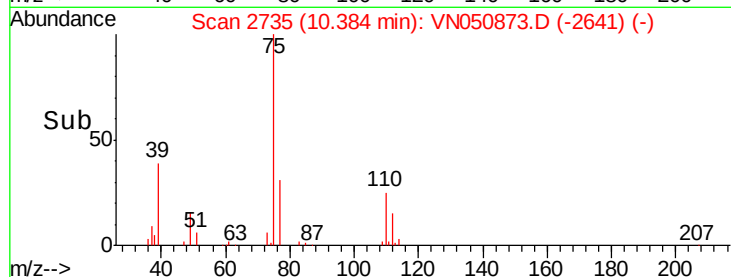
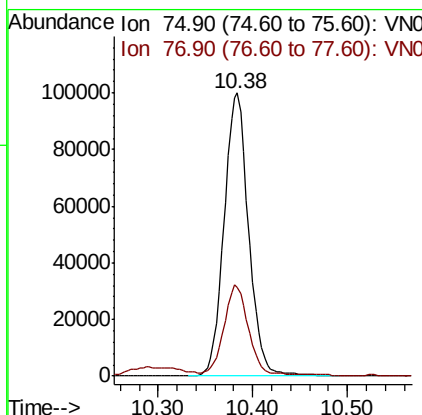
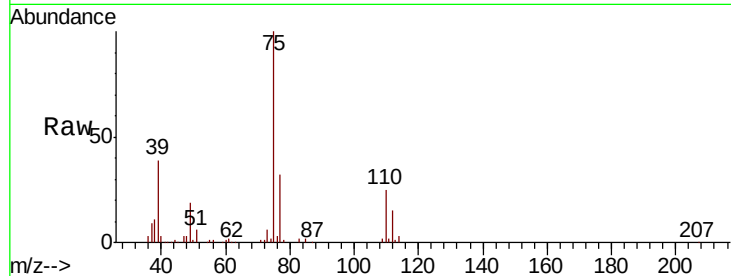
#53
t-1,3-Dichloropropene
Concen: 20.064 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion: 75 Resp: 180526
Ion Ratio Lower Upper
75 100
77 31.2 25.7 38.5

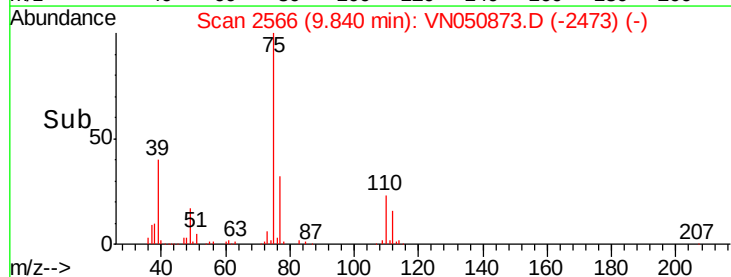
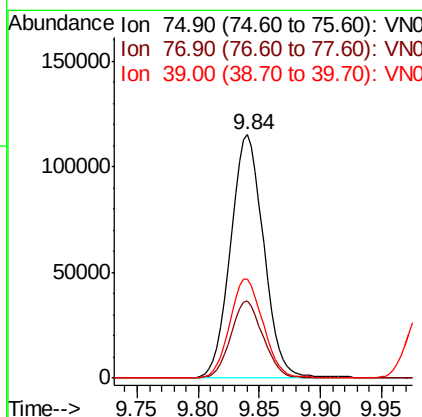
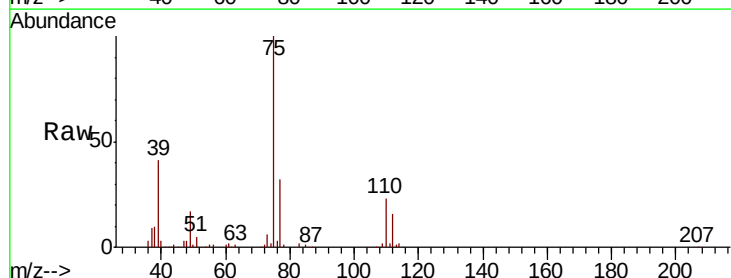
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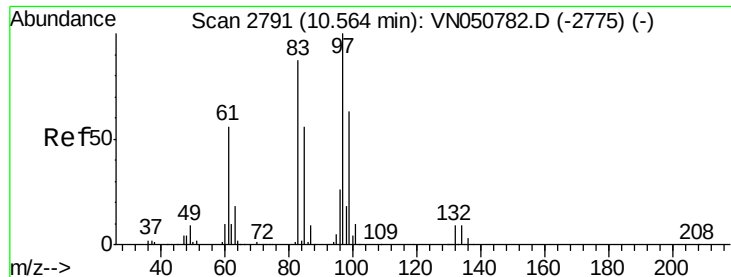
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.095 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 75 Resp: 217346
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2
39 40.5 33.0 49.4





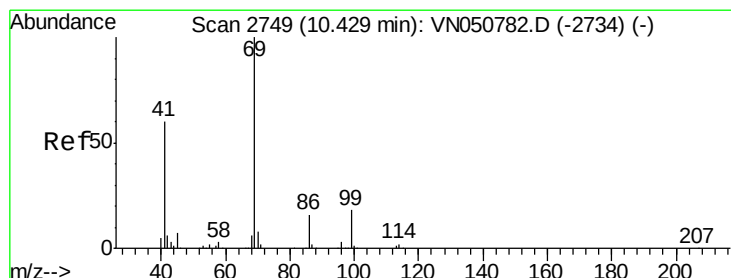
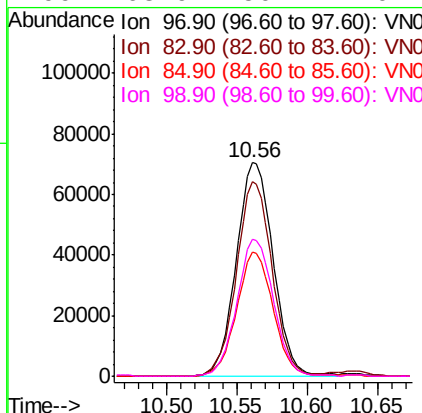
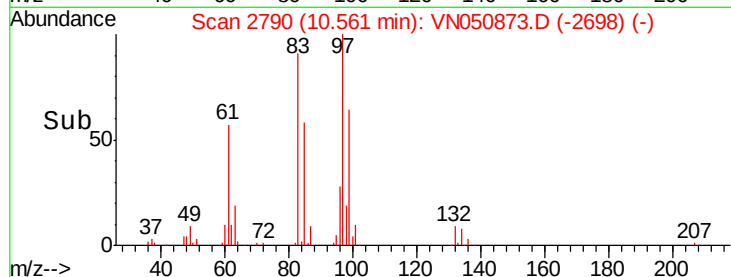
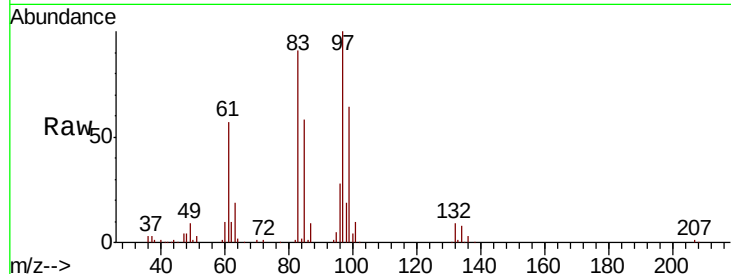
#55
 1,1,2-Trichloroethane
 Concen: 21.049 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	129339		
83	91.0	69.7	104.5	
85	57.9	44.5	66.7	
99	63.9	50.7	76.1	

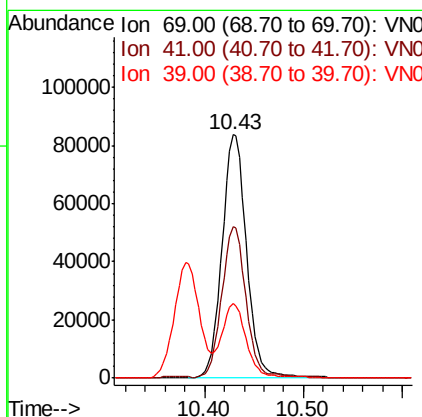
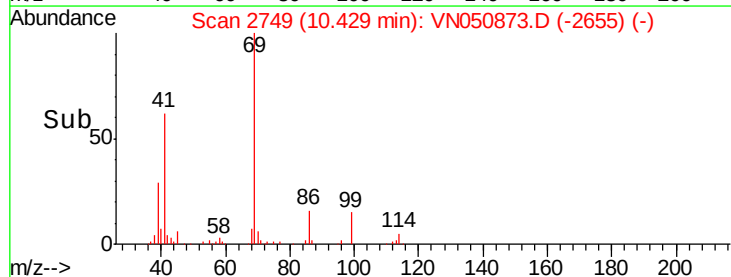
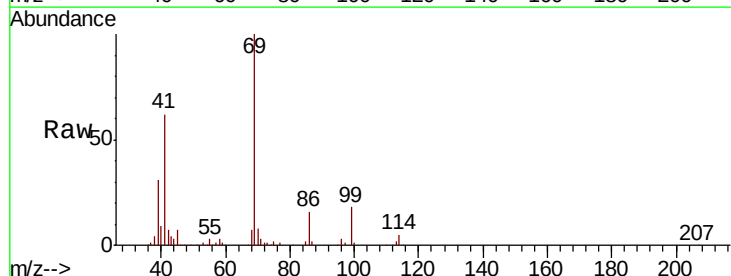
Manual Integrations
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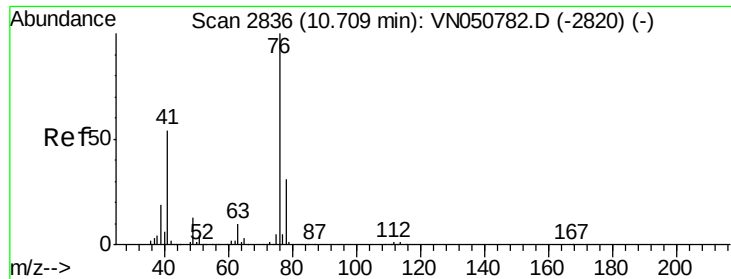
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#56
 Ethyl methacrylate
 Concen: 19.775 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	146159		
41	60.5	48.3	72.5	
39	30.3	24.0	36.0	





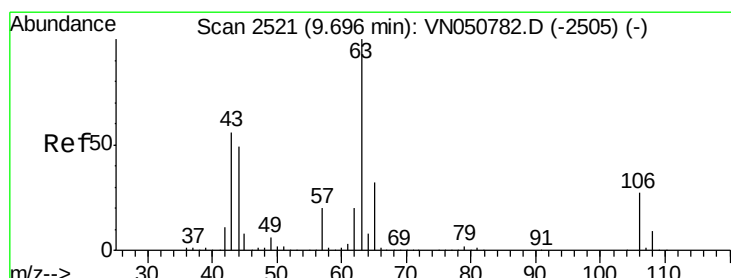
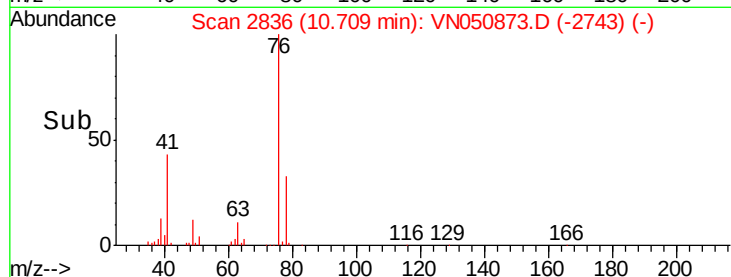
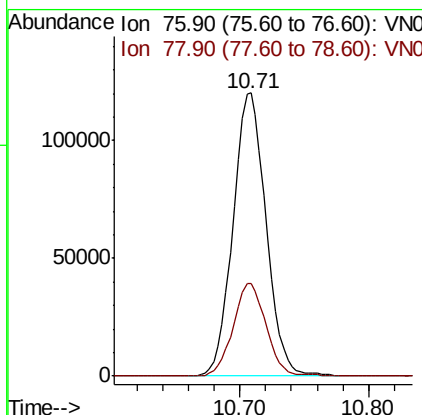
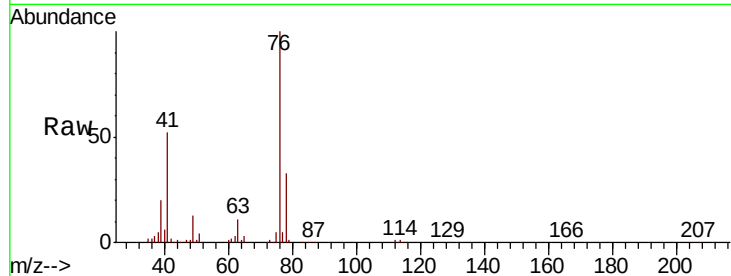
#57
 1,3-Dichloropropane
 Concen: 21.127 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion: 76 Resp: 214278
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

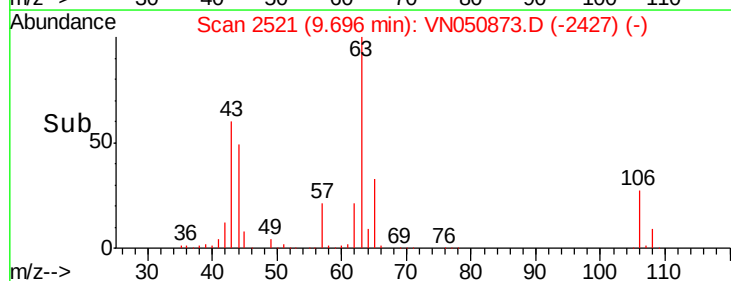
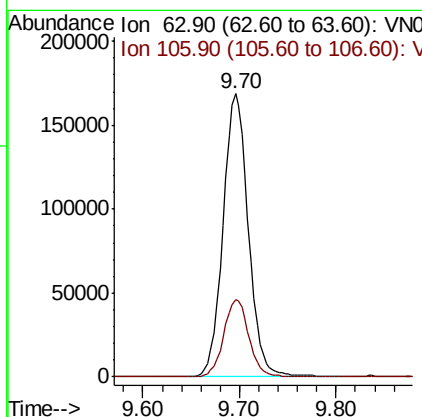
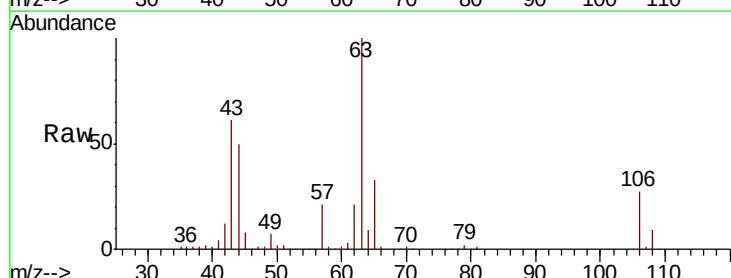
Manual Integrations
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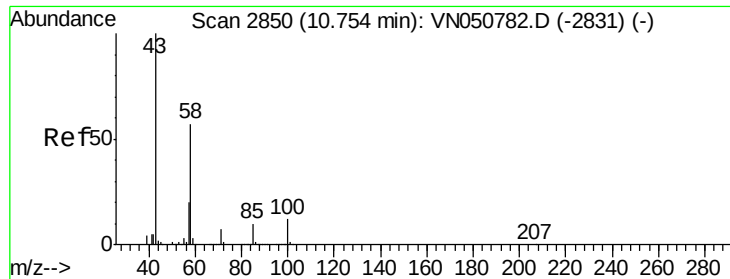
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.579 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 63 Resp: 305694
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.9 32.9





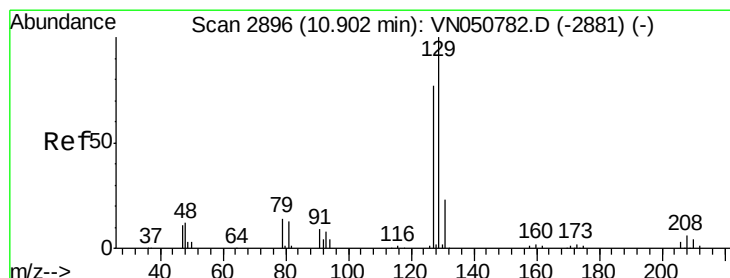
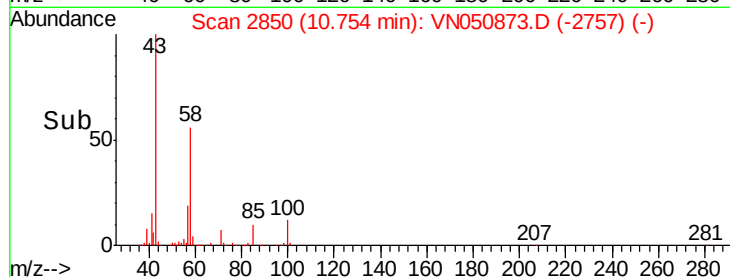
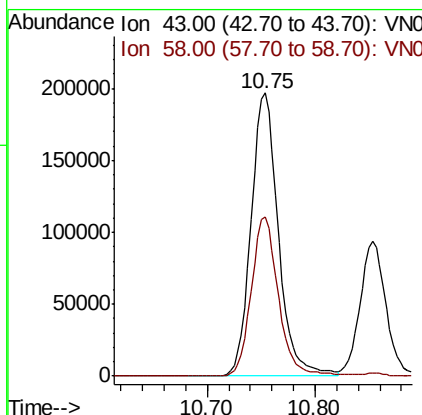
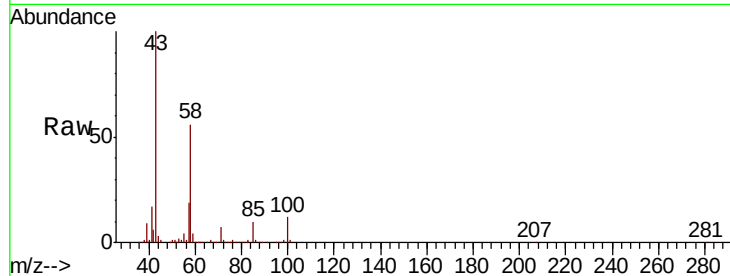
#59
2-Hexanone
Concen: 94.811 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion: 43 Resp: 344777
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0

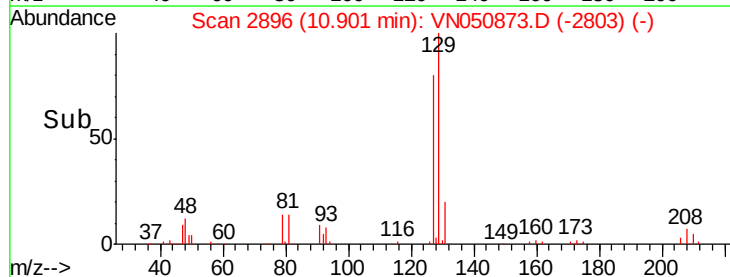
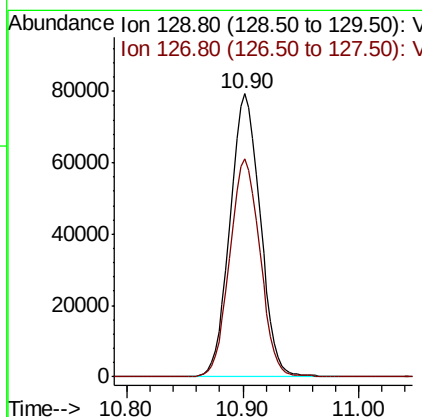
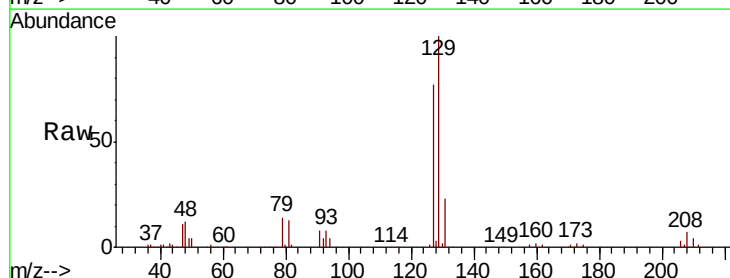
Manual Integrations
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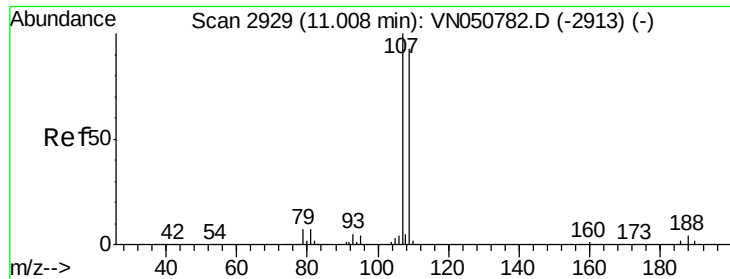
MMDadoda
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#60
Dibromochloromethane
Concen: 20.768 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 129 Resp: 142882
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





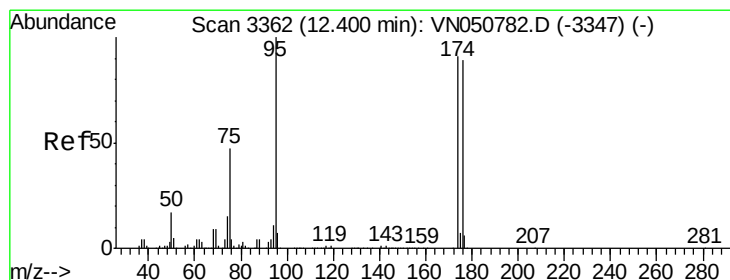
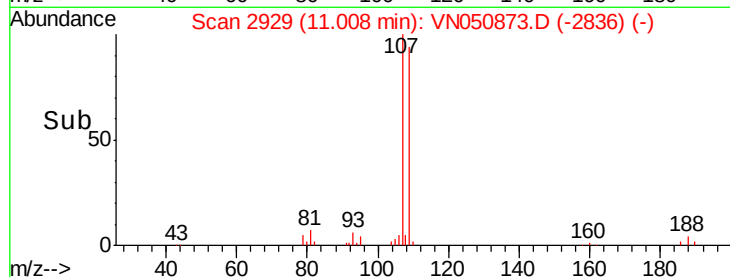
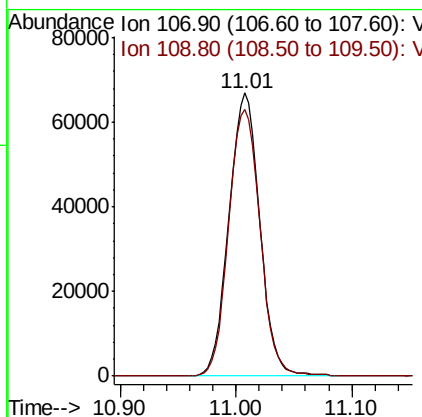
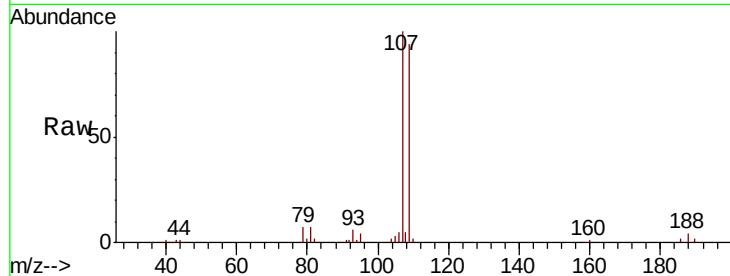
#61
 1,2-Dibromoethane
 Concen: 20.668 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion: 107 Resp: 122806
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.4 113.2

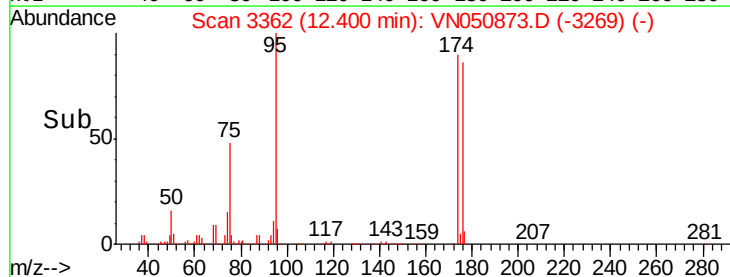
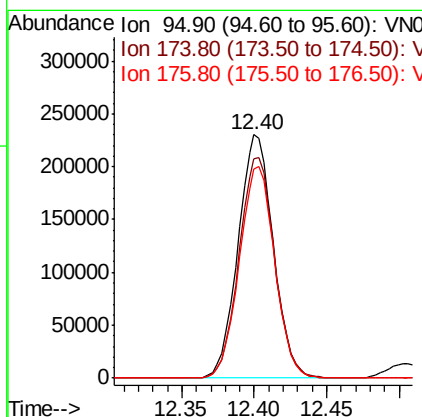
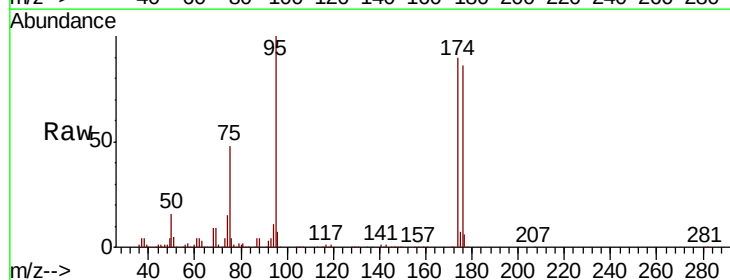
Manual Integrations
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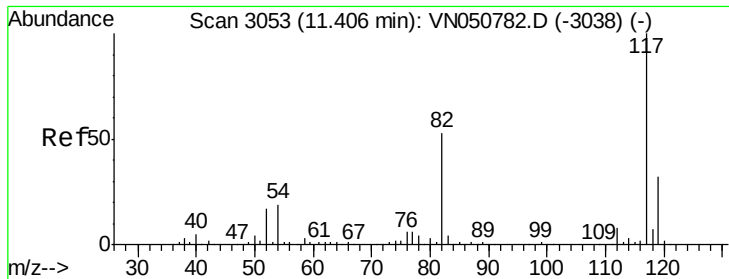
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.011 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 95 Resp: 388223
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.0
 176 87.5 0.0 178.8





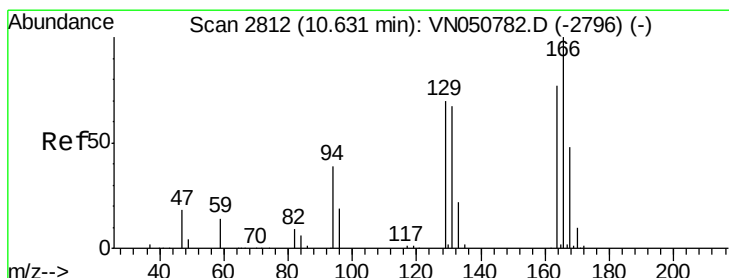
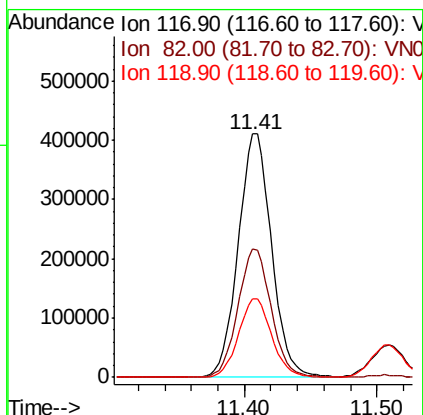
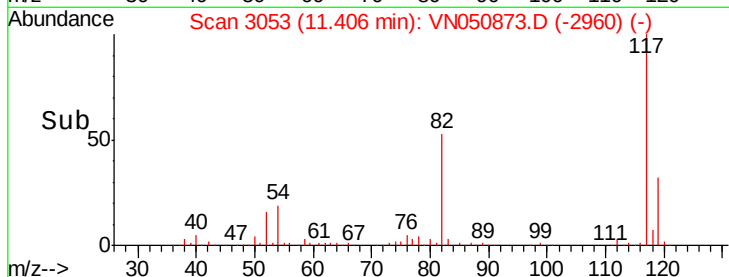
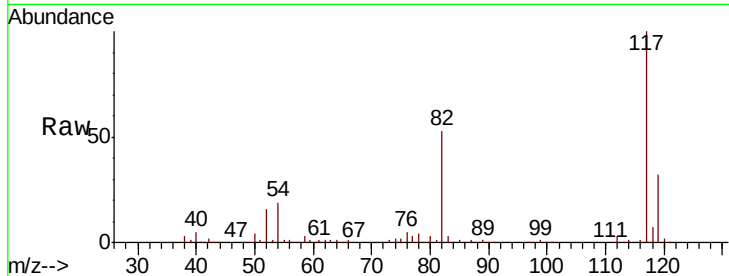
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	64.0
119	32.1	25.8	38.6

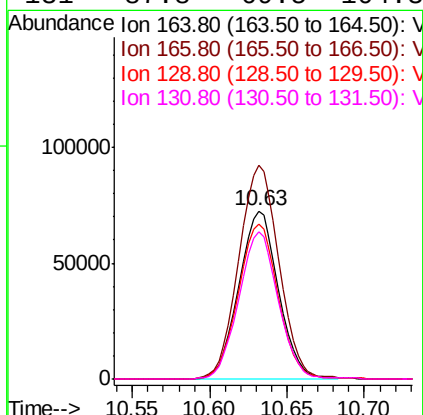
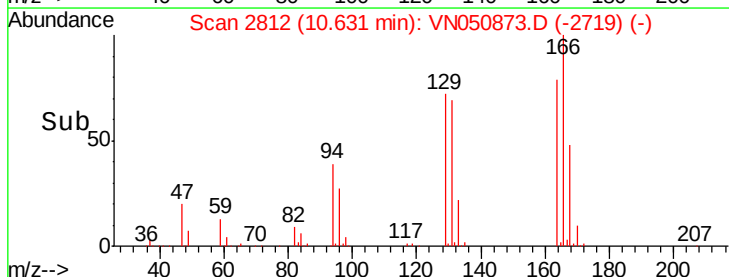
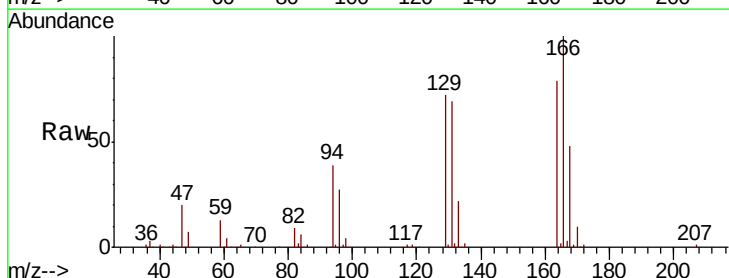
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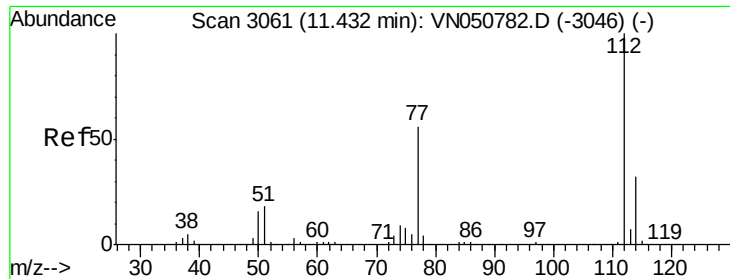
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#64
Tetrachloroethene
Concen: 18.965 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.5	155.3
129	92.0	72.7	109.1
131	87.8	69.5	104.3





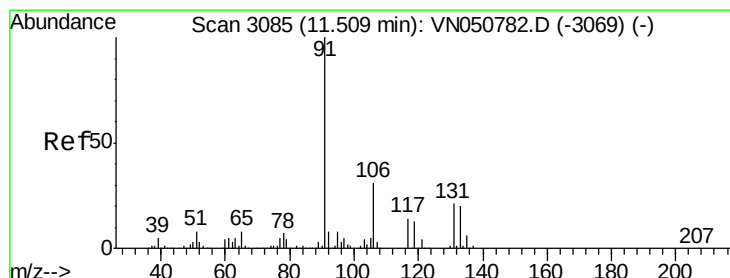
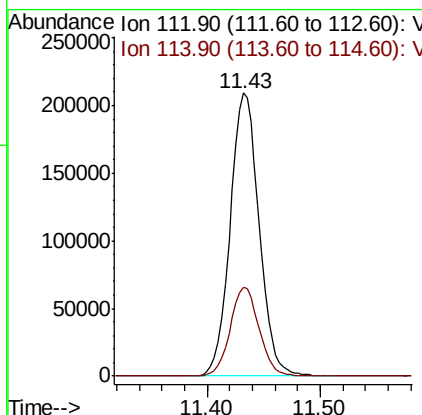
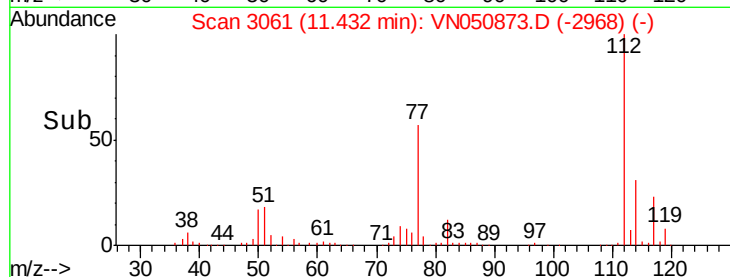
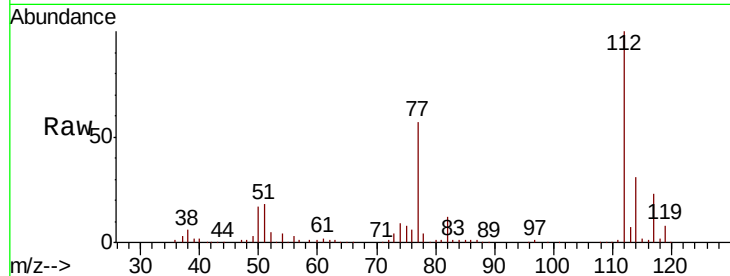
#65
Chlorobenzene
Concen: 19.825 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion:112 Resp: 371445
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4

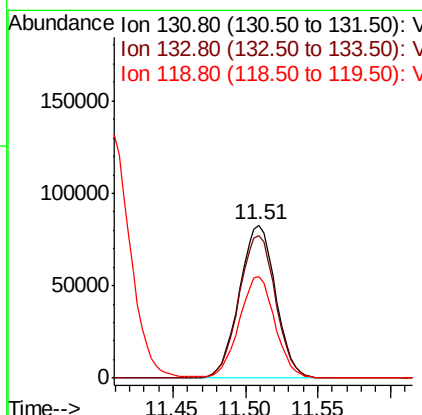
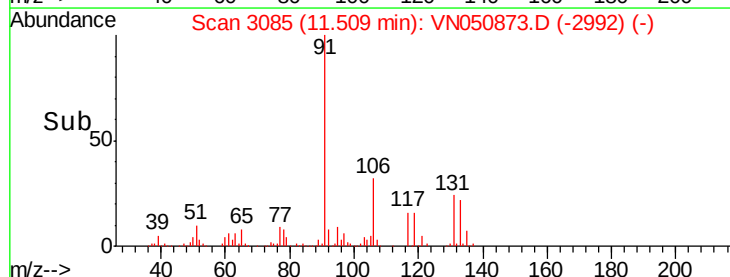
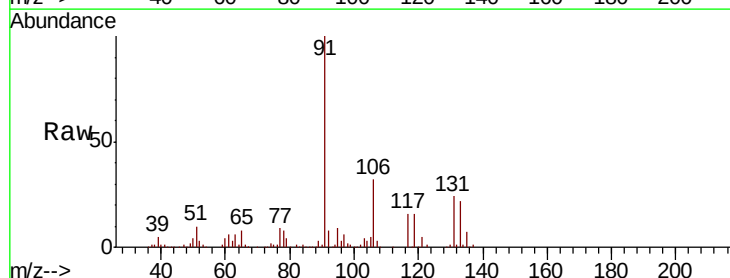
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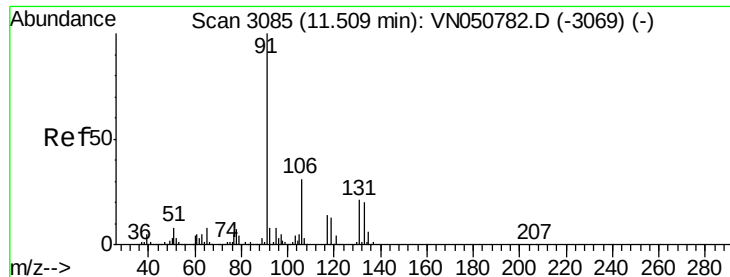
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.058 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion:131 Resp: 144356
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.3
119 65.6 32.8 98.4





#67

Ethyl Benzene

Concen: 19.421 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD02

Tgt Ion: 91 Resp: 591561

Ion Ratio Lower Upper

91 100

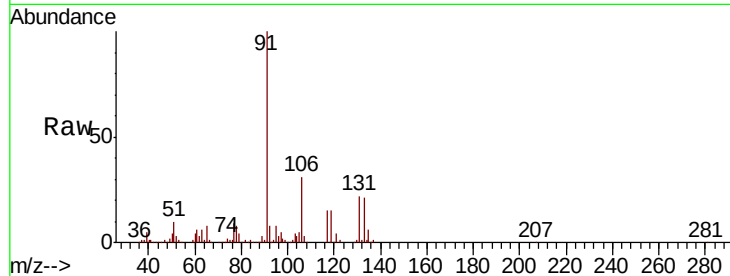
106 31.3 25.0 37.4

Manual Integrations

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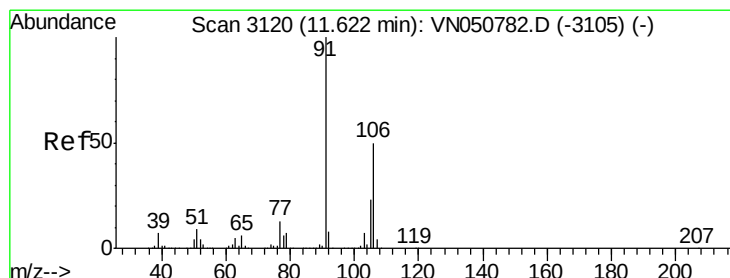
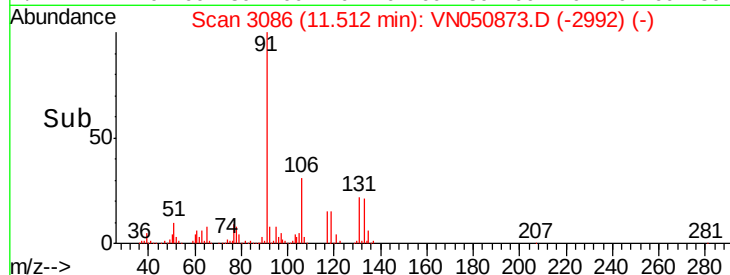
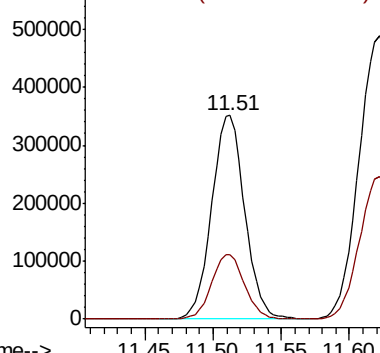
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Abundance Ion 91.00 (90.70 to 91.70): VN050873.D (-3086) (-)

Ion 106.00 (105.70 to 106.70): VN050873.D (-3086) (-)



#68

m/p-Xylenes

Concen: 40.552 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050873.D

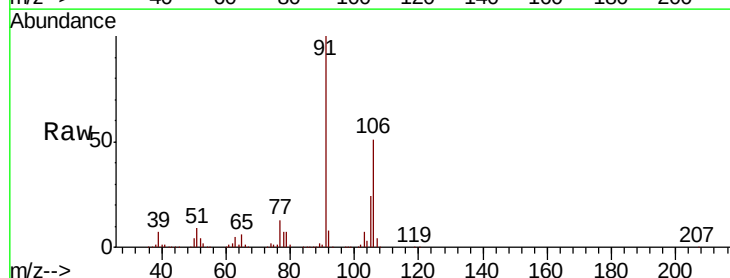
Acq: 24 Aug 2018 13:39

Tgt Ion: 106 Resp: 468847

Ion Ratio Lower Upper

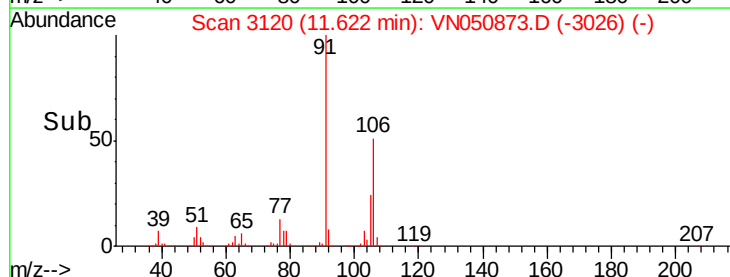
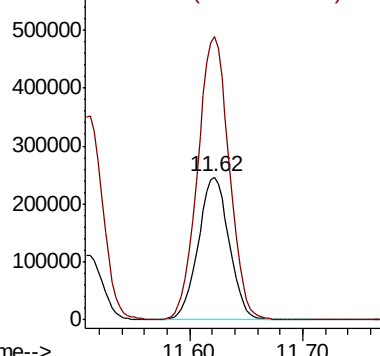
106 100

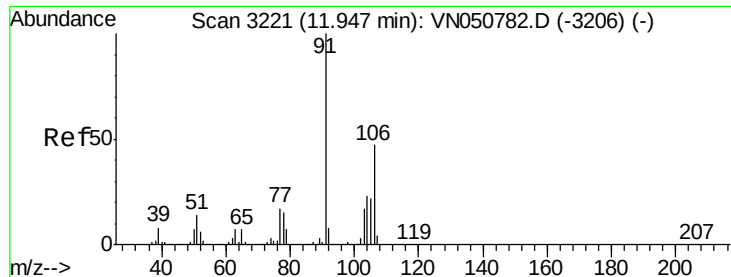
91 201.5 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050873.D (-3120) (-)

Ion 91.00 (90.70 to 91.70): VN050873.D (-3120) (-)





#69

o-Xylene

Concen: 20.504 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion:106 Resp: 227903

Ion Ratio Lower Upper

106 100

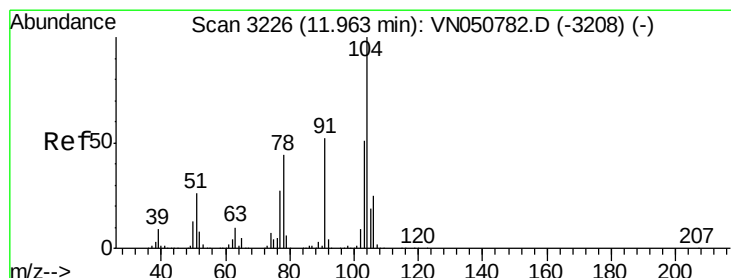
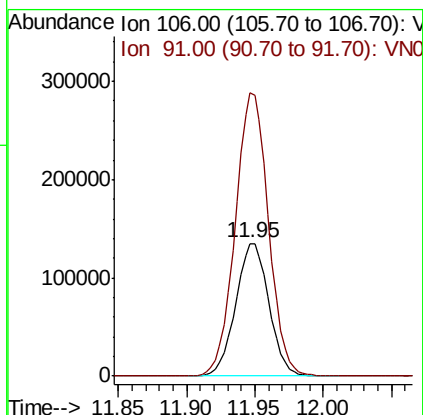
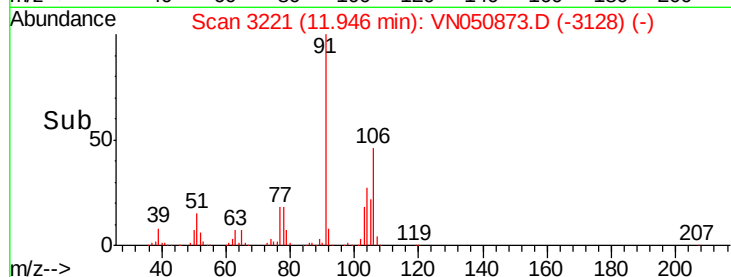
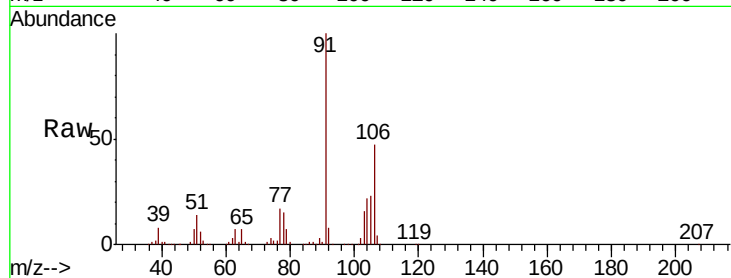
91 213.2 106.5 319.5

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#70

Styrene

Concen: 19.013 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

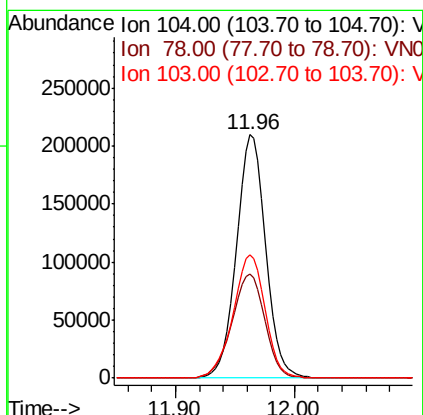
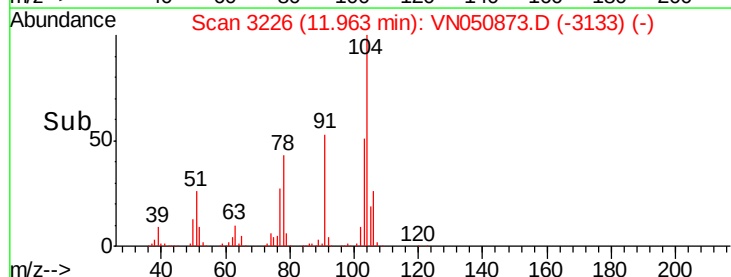
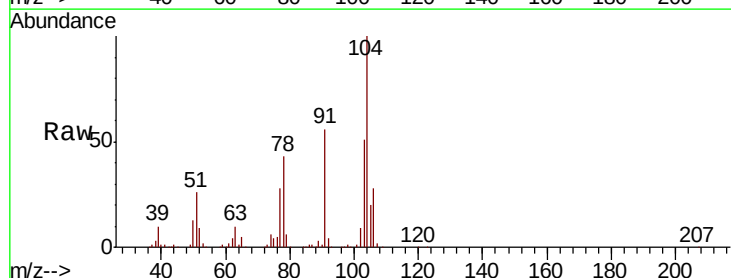
Tgt Ion:104 Resp: 356613

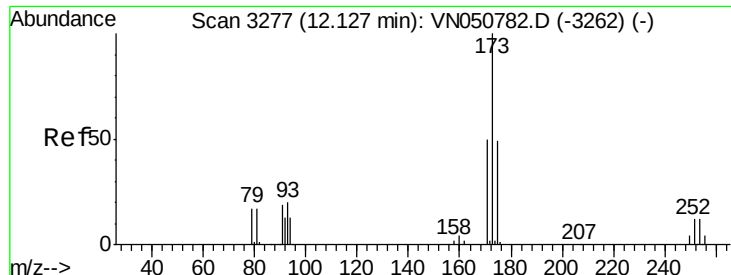
Ion Ratio Lower Upper

104 100

78 48.6 38.2 57.4

103 55.6 44.4 66.6





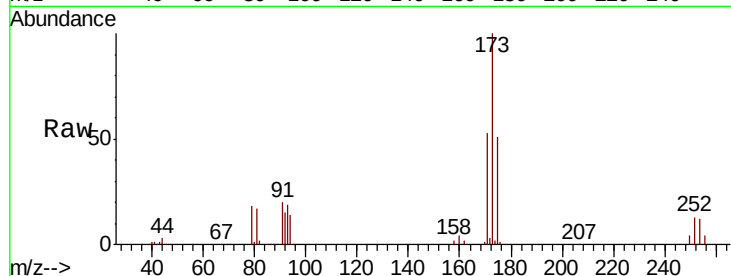
#71
Bromoform
Concen: 20.269 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

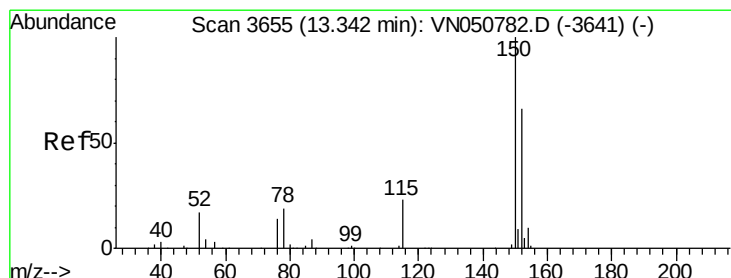
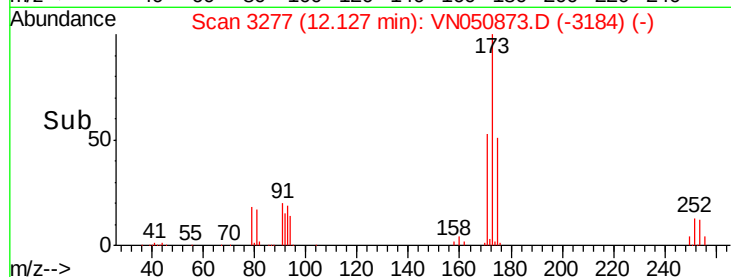
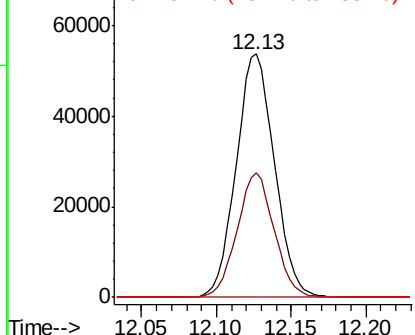
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.4
254	0.0	0.1	0.1#

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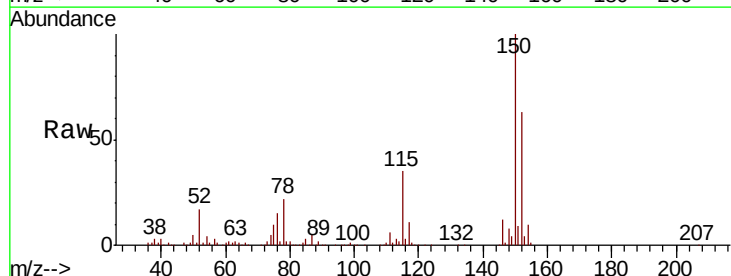


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

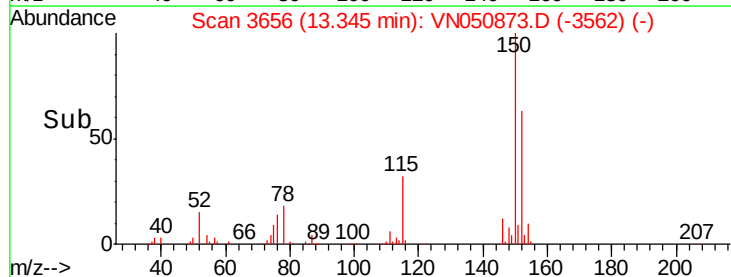
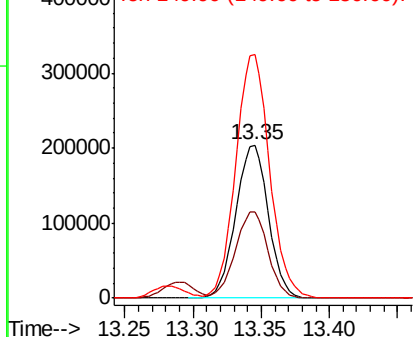


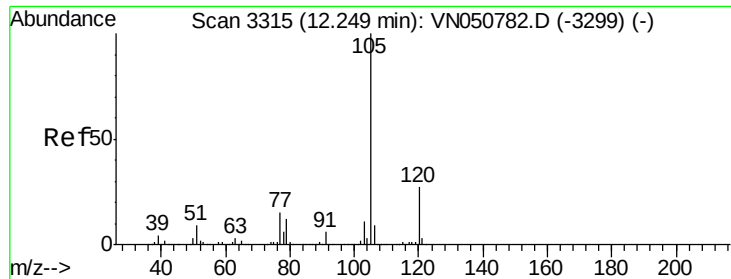
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.4
150	165.7	0.0	351.4



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





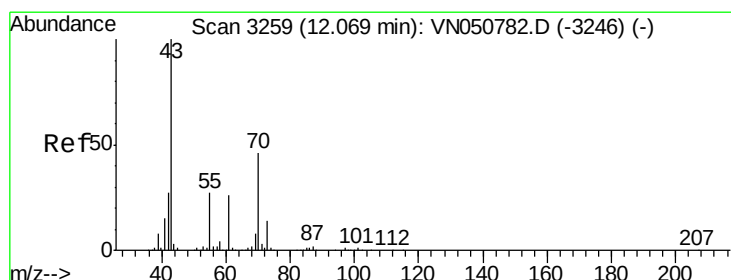
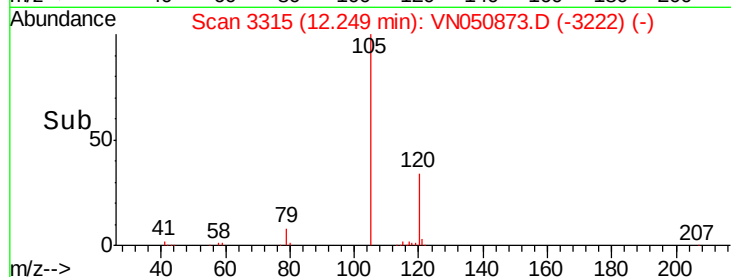
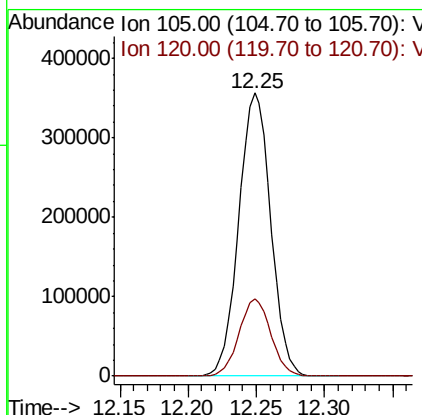
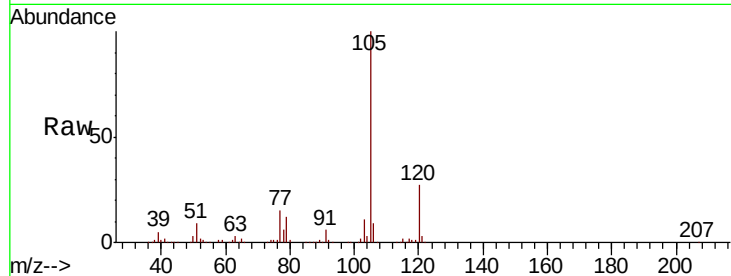
#73
Isopropylbenzene
Concen: 20.700 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

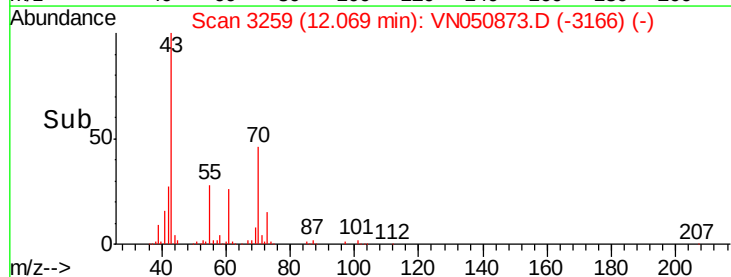
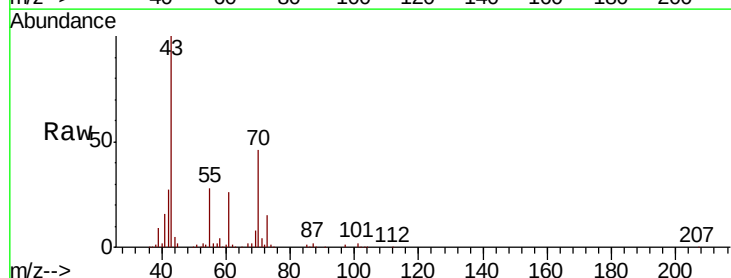
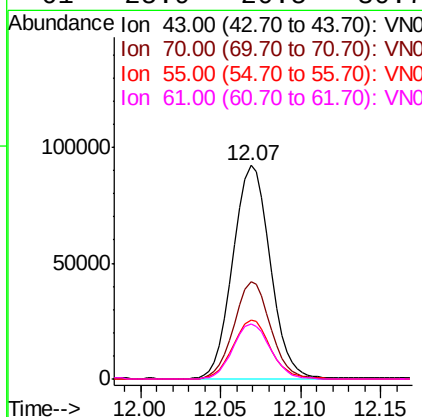
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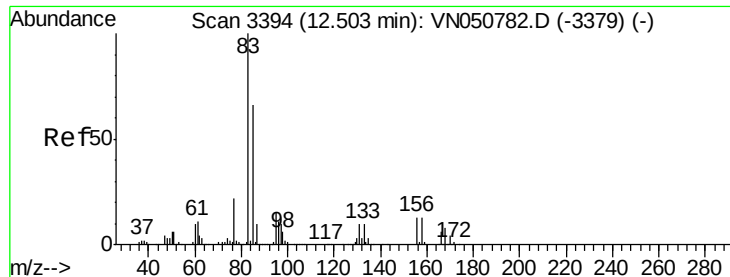
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#74
N-ethyl acetate
Concen: 20.746 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.0	36.2	54.2
55	28.0	21.8	32.8
61	25.9	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.941 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

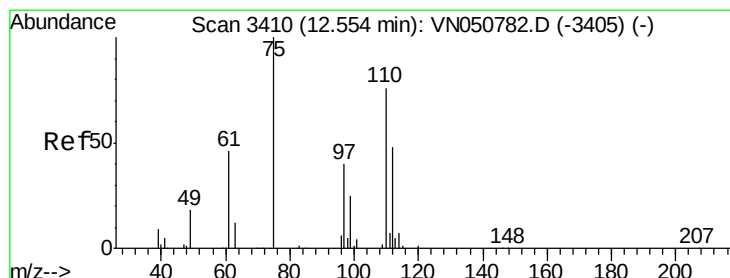
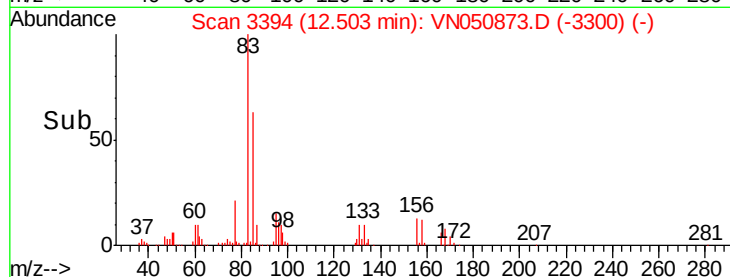
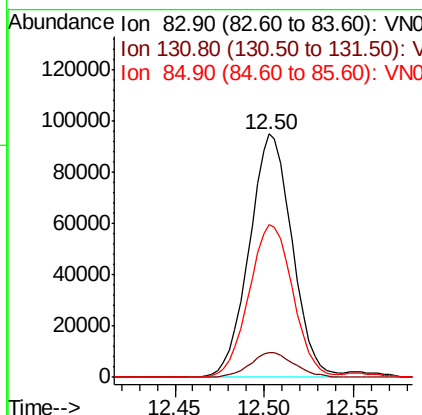
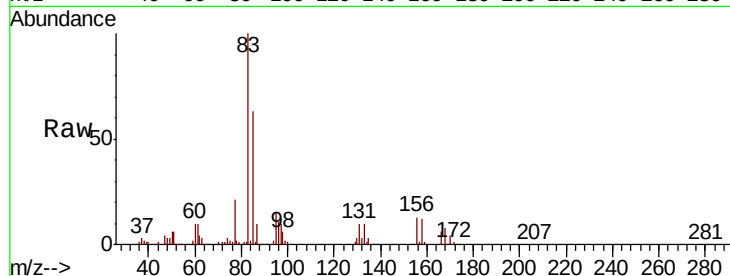
ClientSampleId :

VN0824WBSD02

Tgt Ion:	83	Resp:	158903
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.925 ug/l m

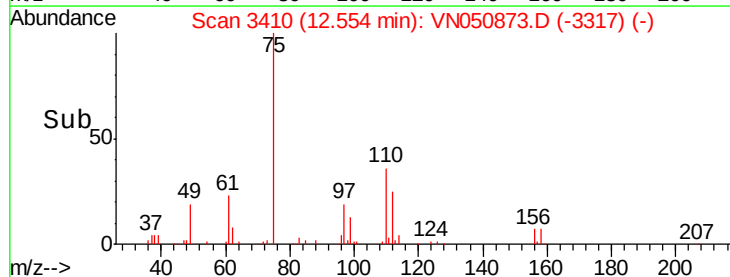
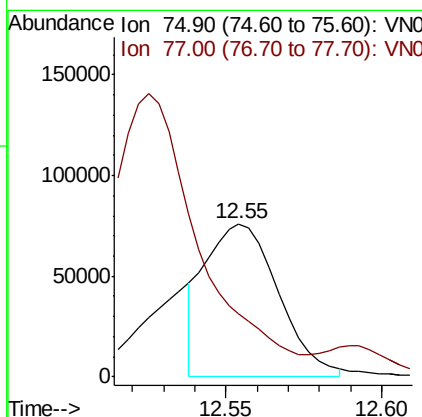
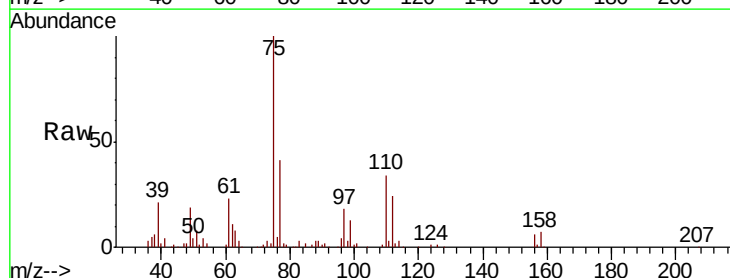
RT: 12.55 min Scan# 3410

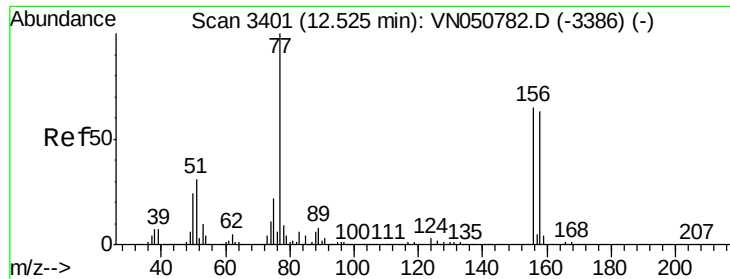
Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion:	75	Resp:	123813
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.720 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

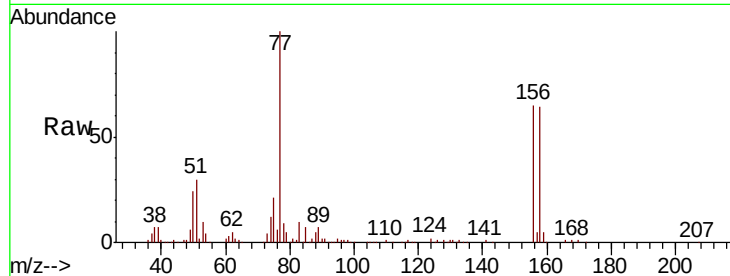
ClientSampleId :

VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	157524		
77	181.1	89.9	269.7	
158	98.2	49.3	147.9	

Manual Integrations
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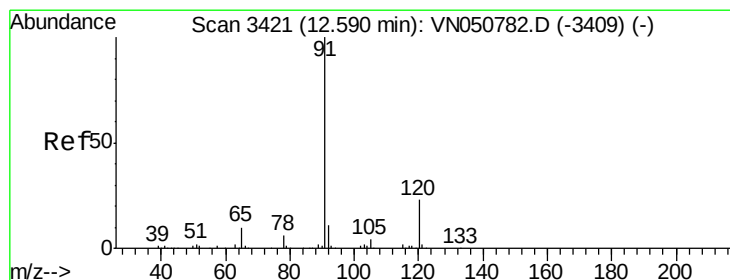
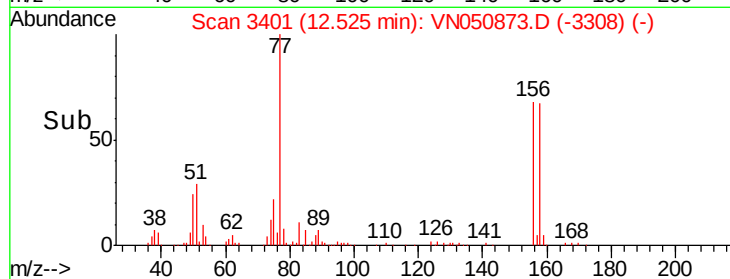
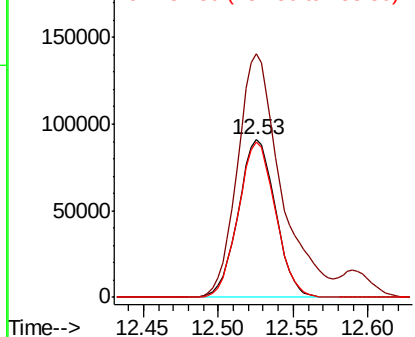
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.624 ug/l

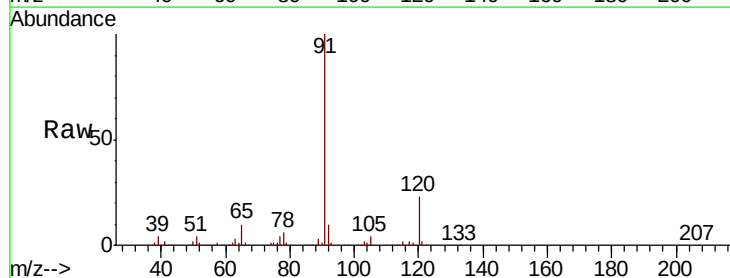
RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050873.D

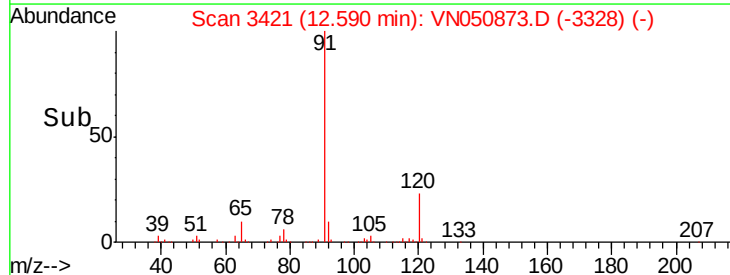
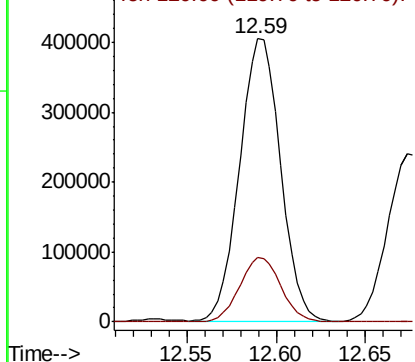
Acq: 24 Aug 2018 13:39

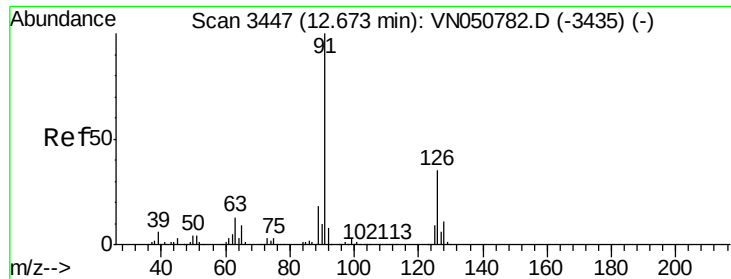
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	644493		
120	23.1	11.7	35.0	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





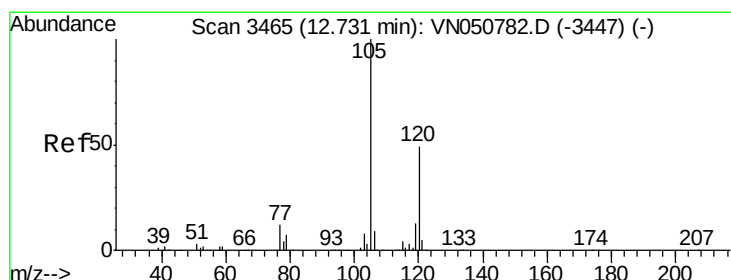
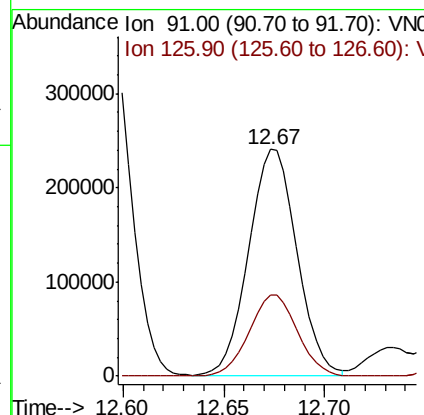
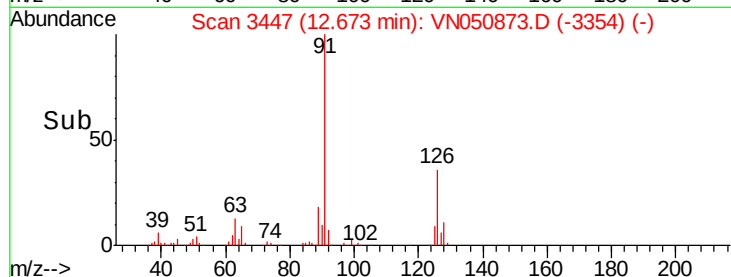
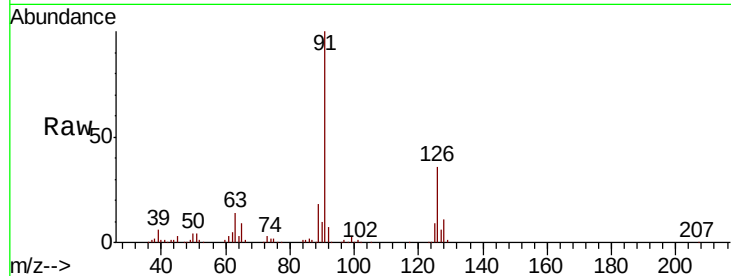
#79
 2-Chlorotoluene
 Concen: 20.653 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion: 91 Resp: 402004
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.8 53.3

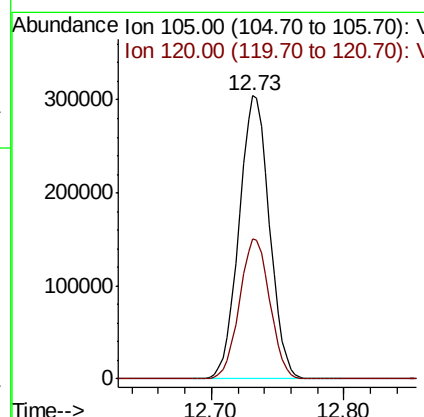
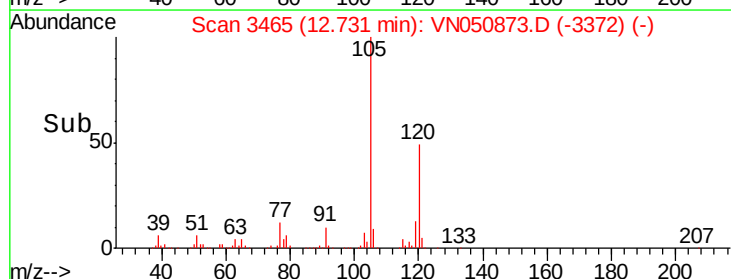
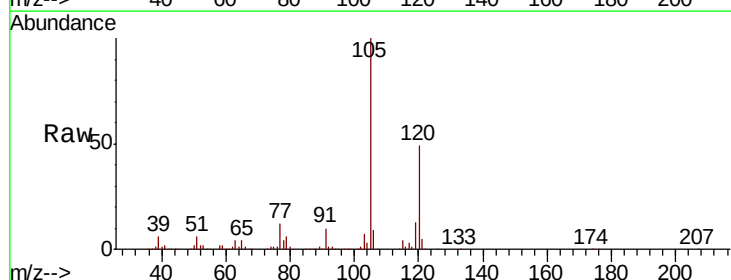
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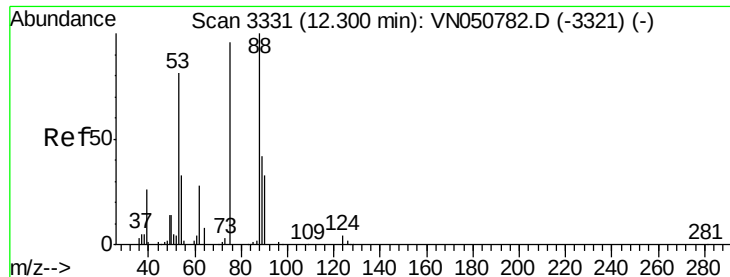
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.429 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 105 Resp: 483679
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 74.0





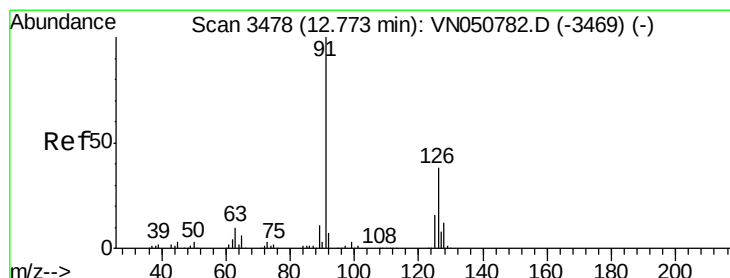
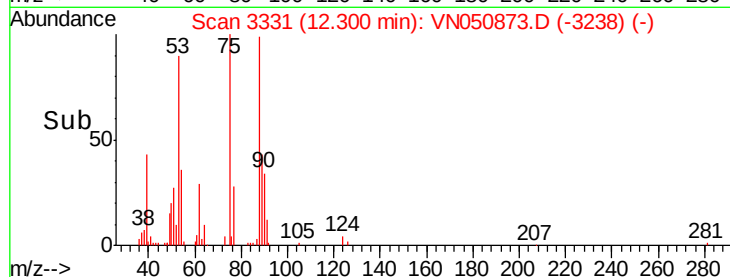
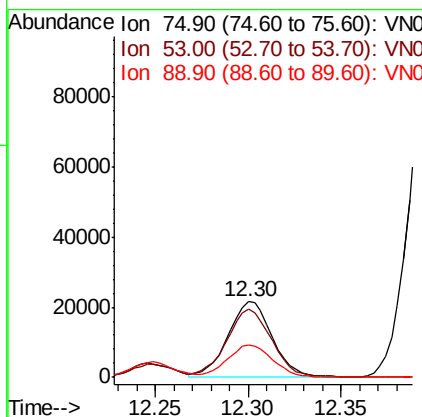
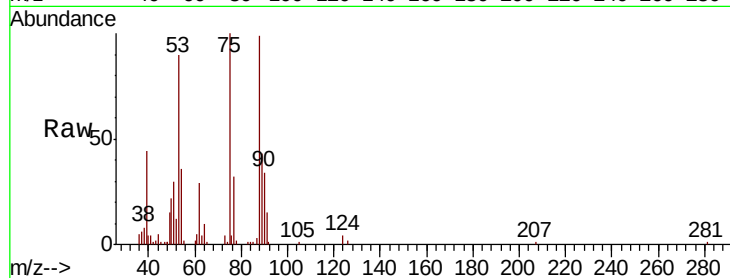
#81
trans-1,4-Dichloro-2-butene
Concen: 20.562 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.8	68.9	103.3
89	43.7	36.1	54.1

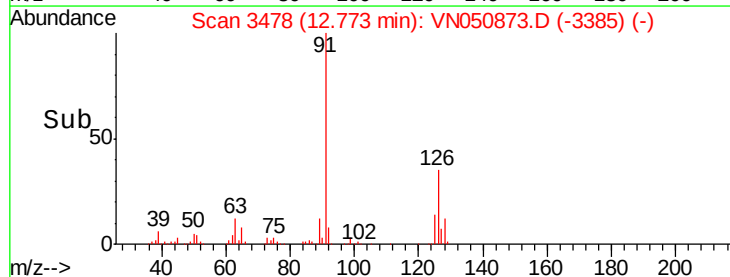
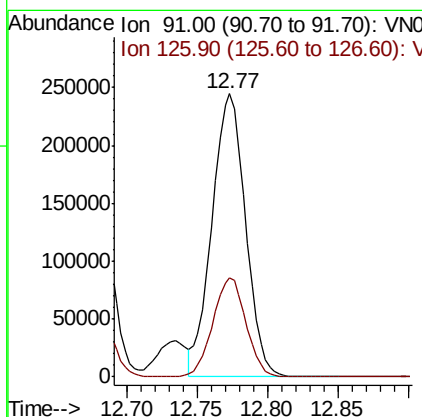
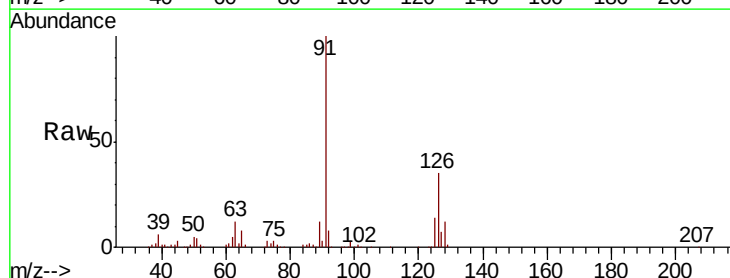
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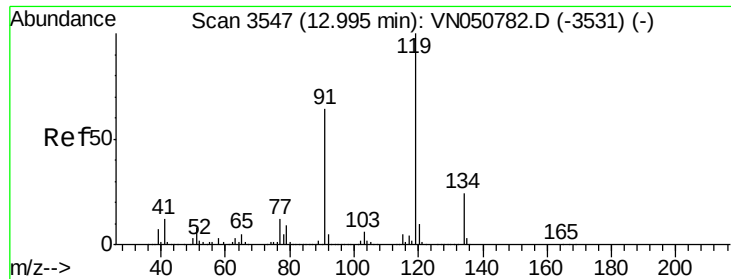
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#82
4-Chlorotoluene
Concen: 20.914 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.5





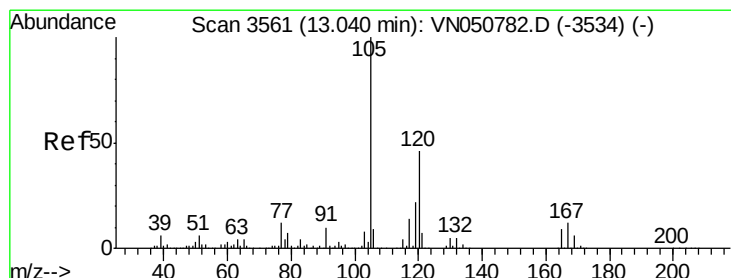
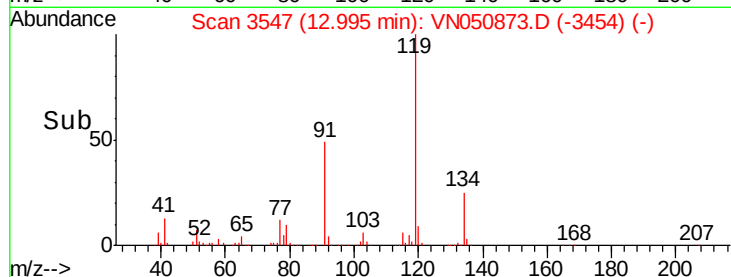
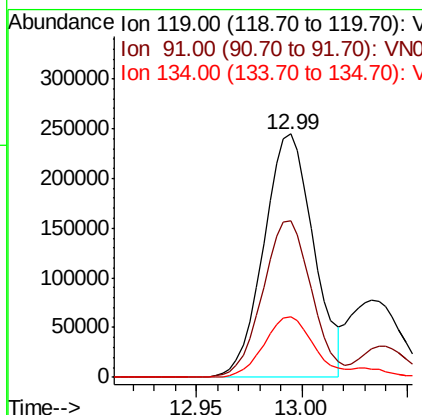
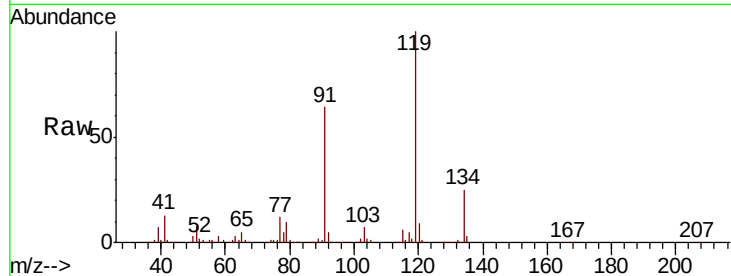
#83
 tert-Butylbenzene
 Concen: 20.598 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	402653		
91	63.0	31.6	94.7	
134	24.7	13.4	40.1	

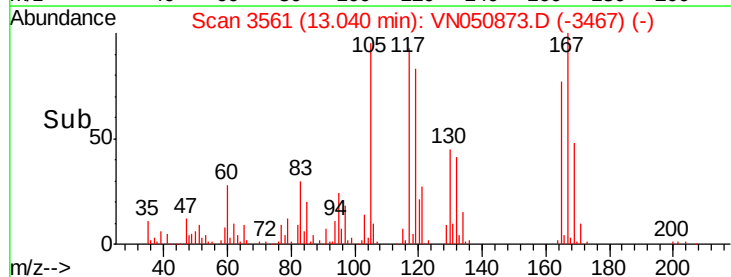
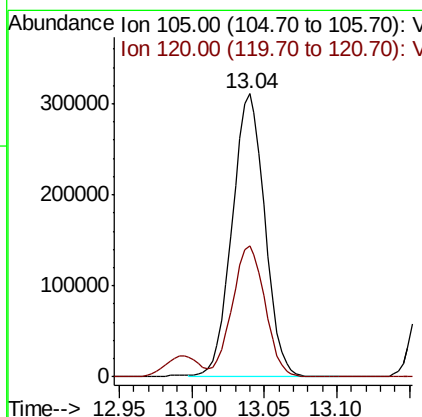
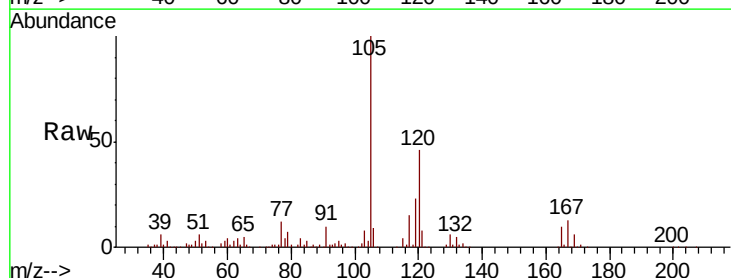
Manual Integrations
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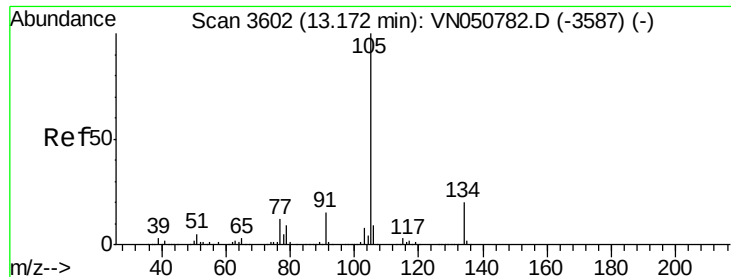
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.309 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	483808		
120	46.8	22.9	68.8	





#85

sec-Butylbenzene

Concen: 20.543 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

Tgt Ion:105 Resp: 526209

Ion Ratio Lower Upper

105 100

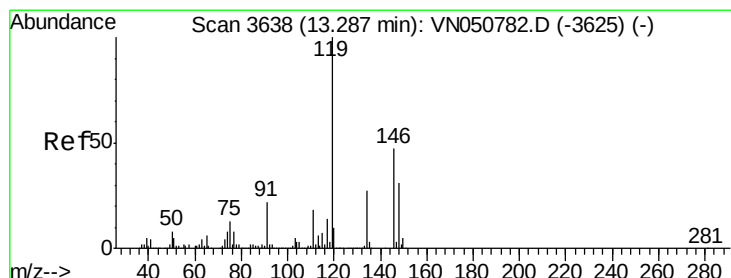
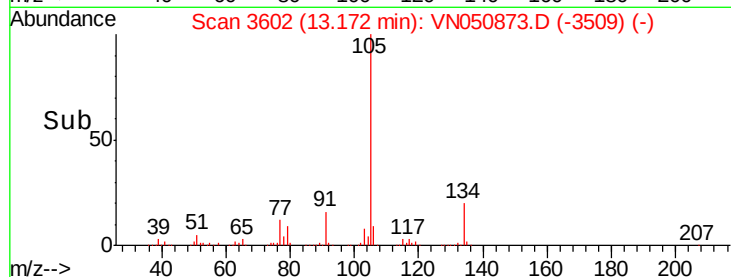
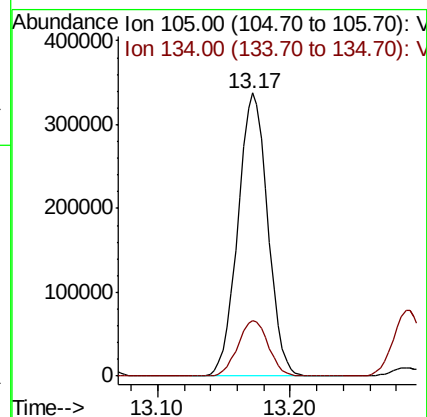
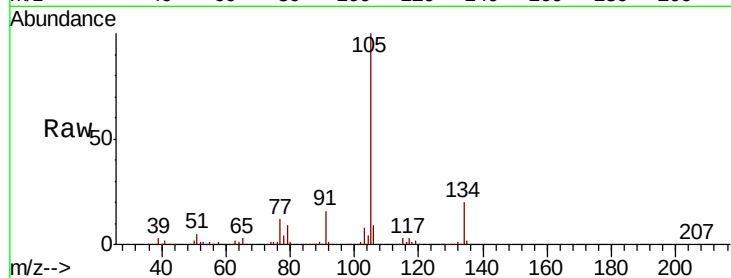
134 20.1 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.966 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

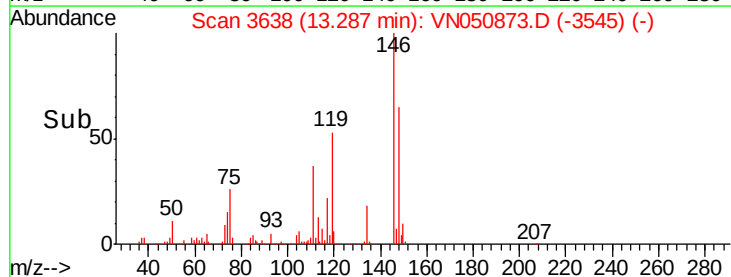
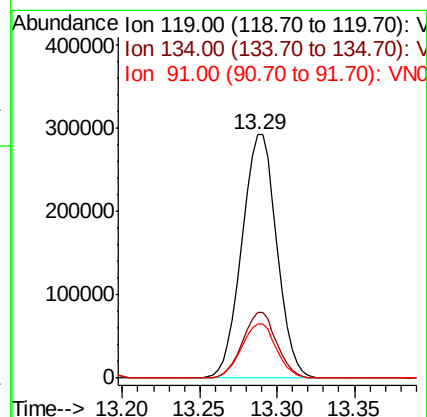
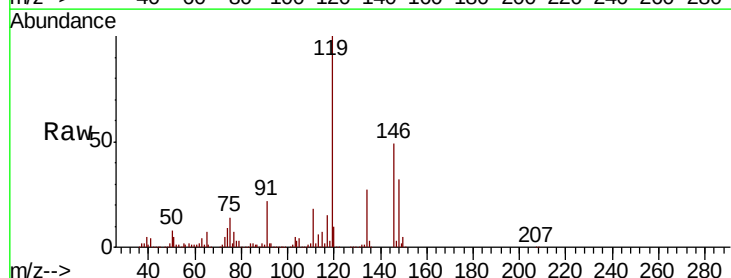
Tgt Ion:119 Resp: 457604

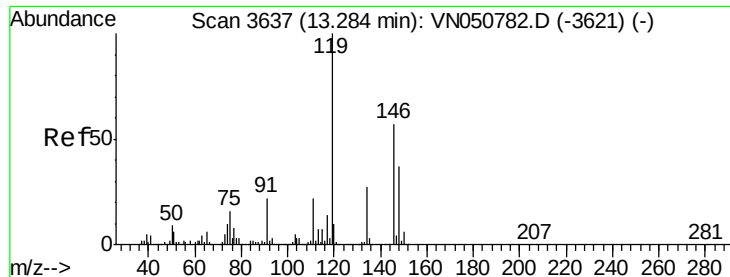
Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

91 22.4 11.2 33.5





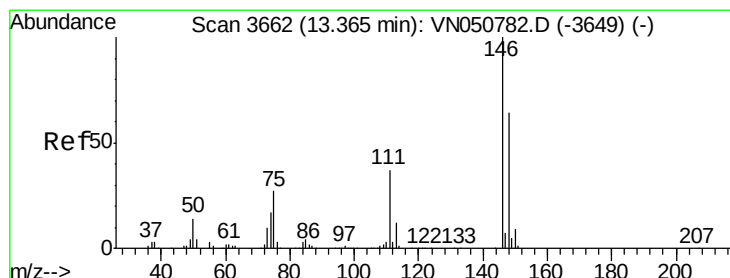
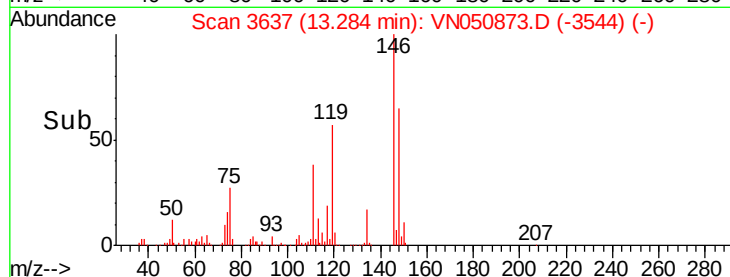
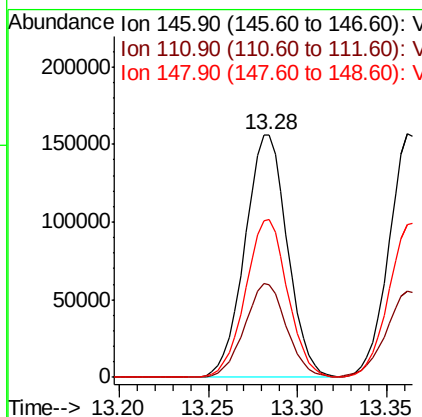
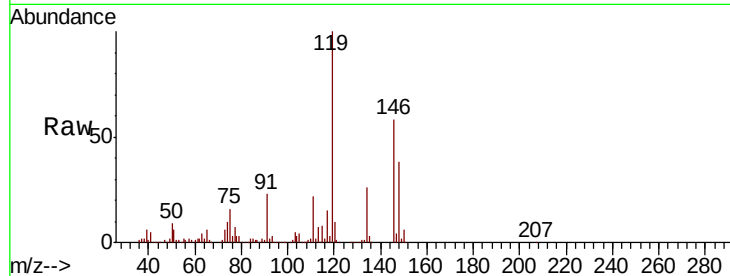
#87
 1,3-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.5	32.2	96.6

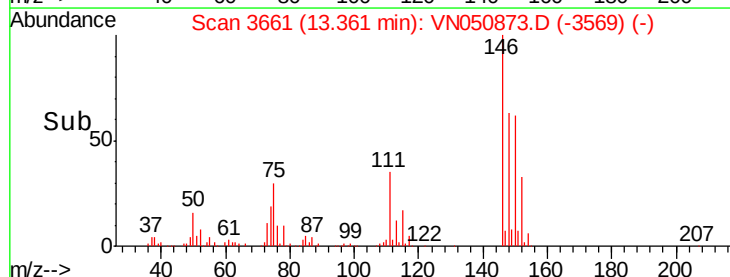
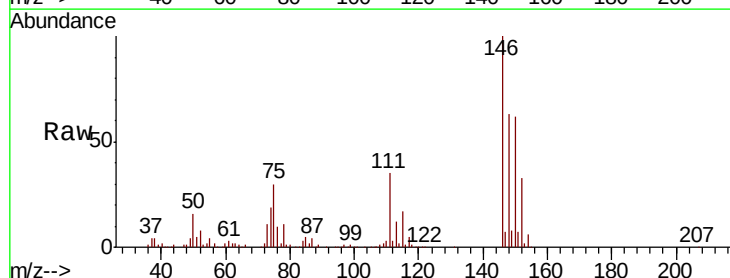
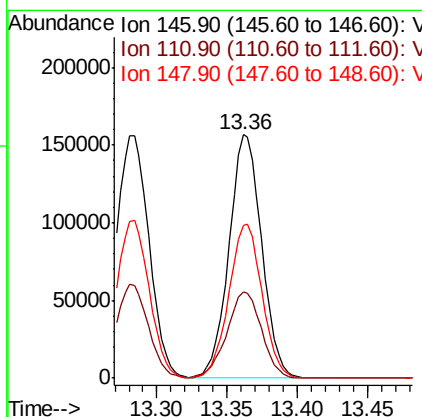
Manual Integrations
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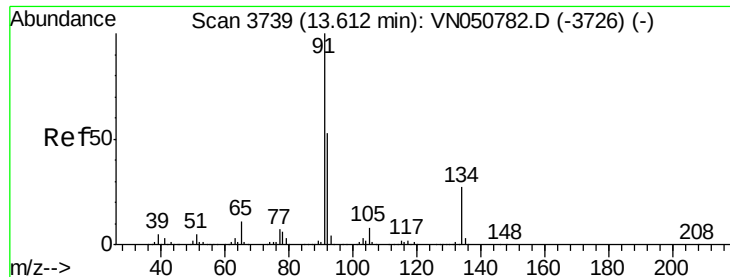
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#88
 1,4-Dichlorobenzene
 Concen: 19.976 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.4	32.2	96.6





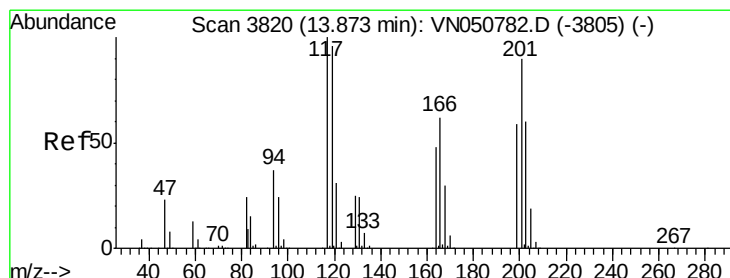
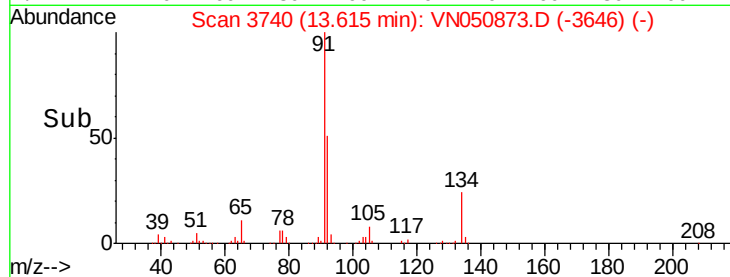
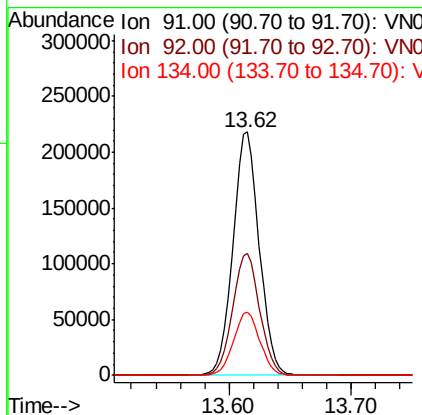
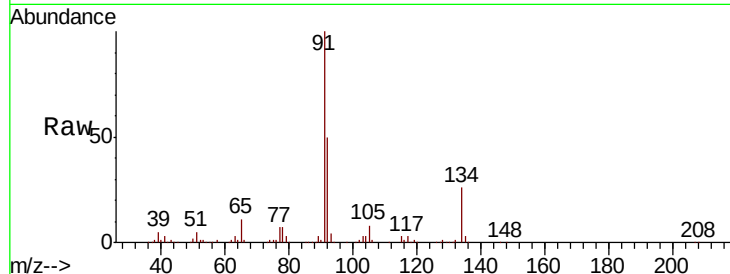
#89
n-Butylbenzene
Concen: 18.703 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	26.1	13.2	39.6

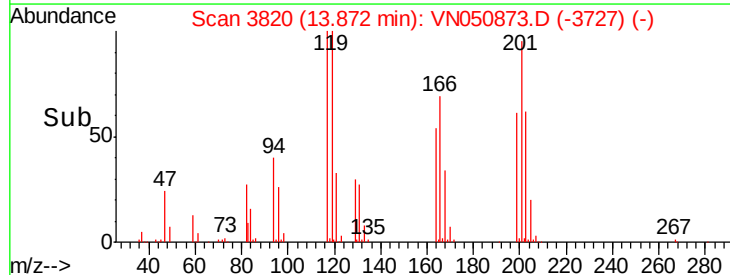
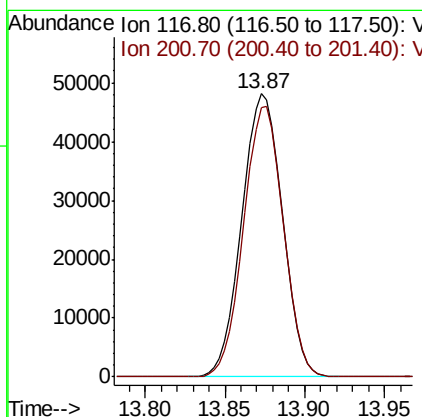
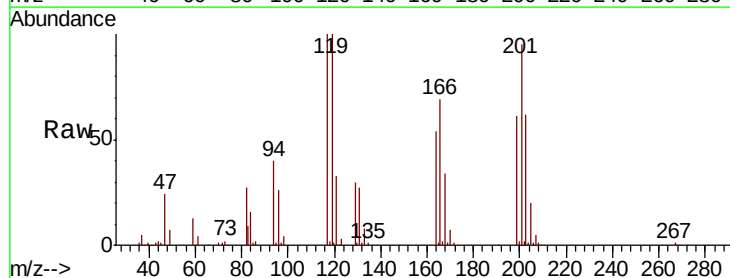
Manual Integrations
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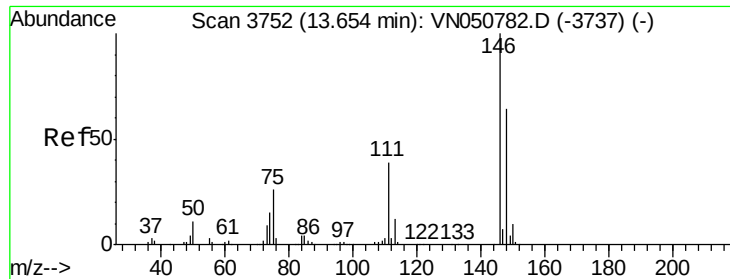
MMDadoda
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#90
Hexachloroethane
Concen: 20.188 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	46.0	137.8





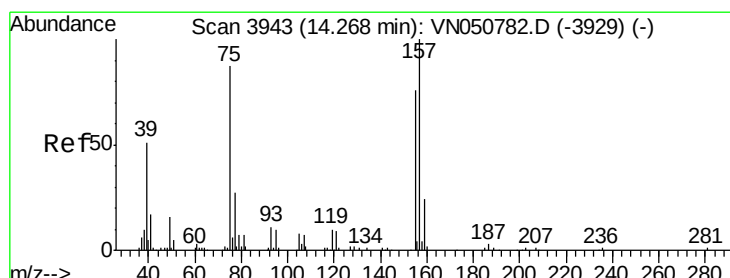
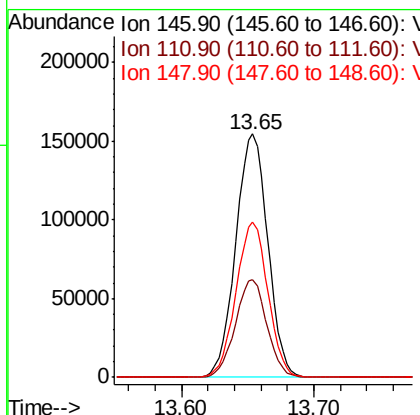
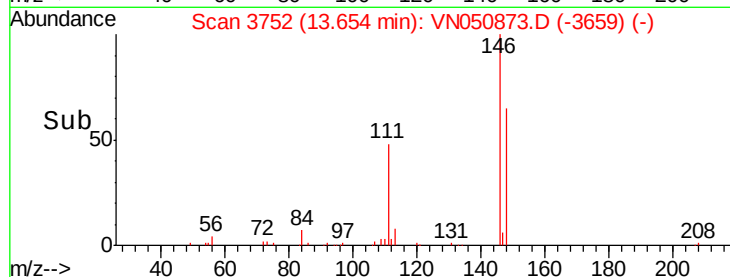
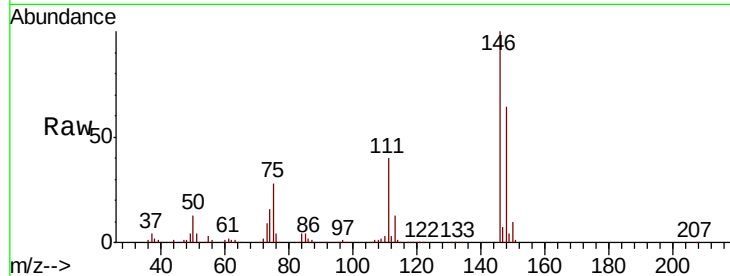
#91
 1,2-Dichlorobenzene
 Concen: 20.826 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	259222		
111	39.5	19.8	59.3	
148	63.5	32.3	96.8	

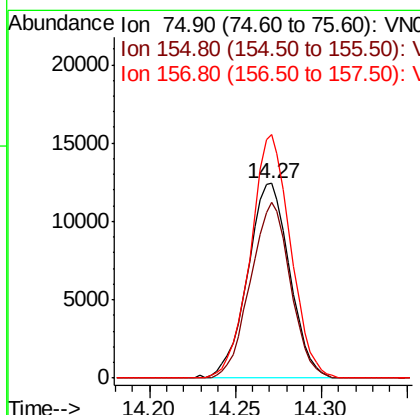
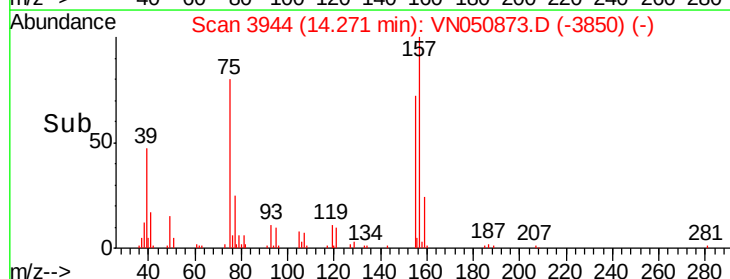
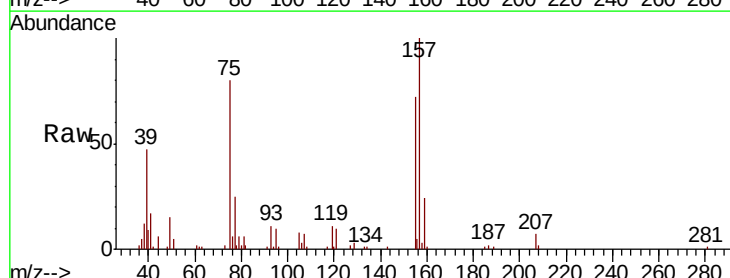
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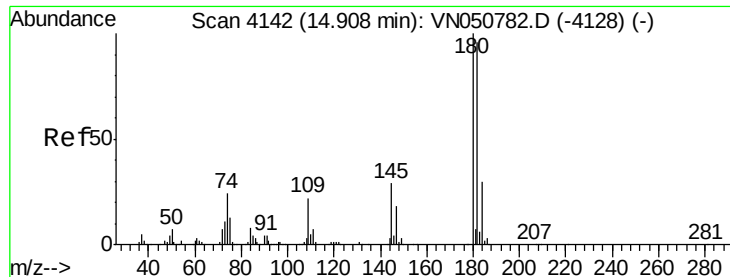
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.953 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21050		
155	85.6	46.4	139.1	
157	119.2	60.7	182.0	





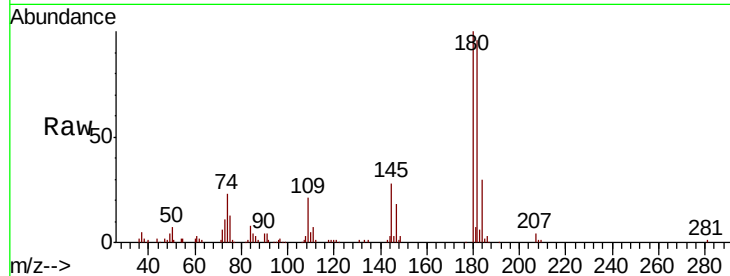
#93
 1,2,4-Trichlorobenzene
 Concen: 17.861 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	97150		
182	97.3	48.2	144.6	
145	27.7	14.1	42.2	

Manual Integrations
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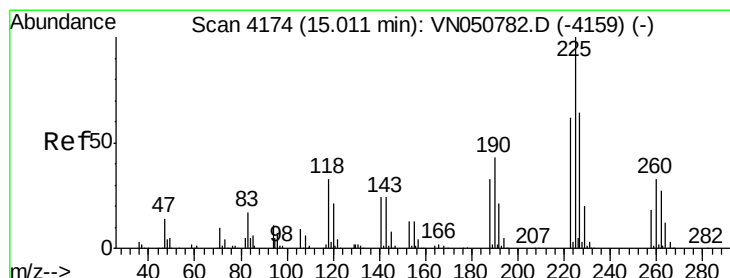
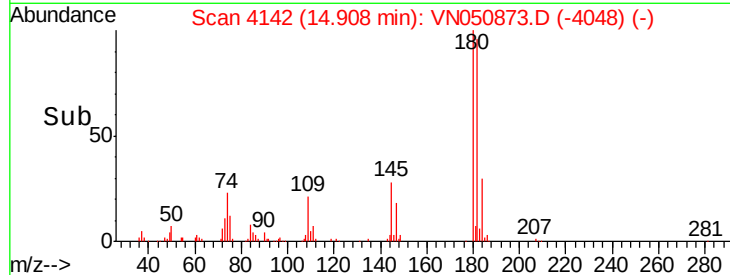
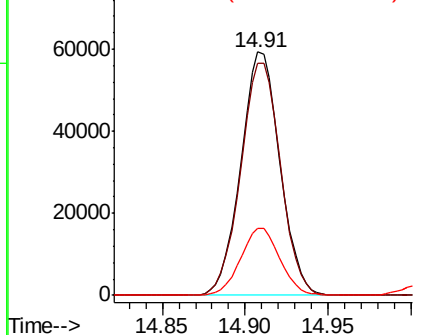


Abundance

Ion 179.80 (179.50 to 180.50): V

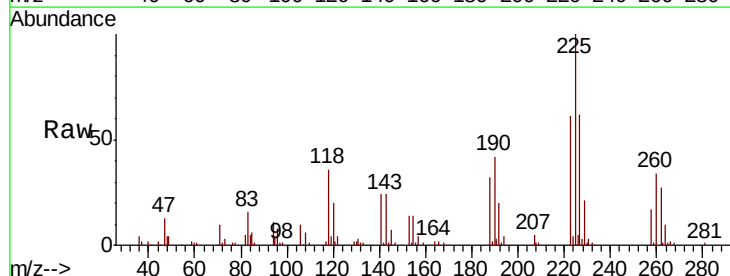
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.167 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76876		
223	62.5	31.3	93.8	
227	63.2	32.0	96.2	

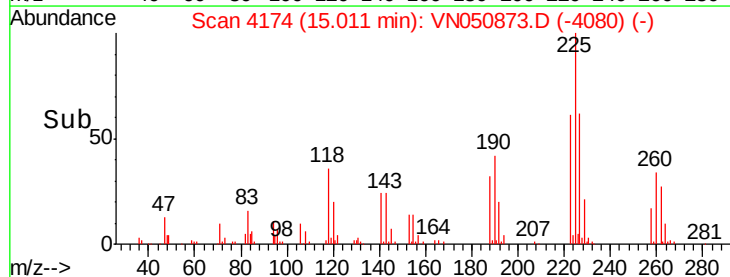
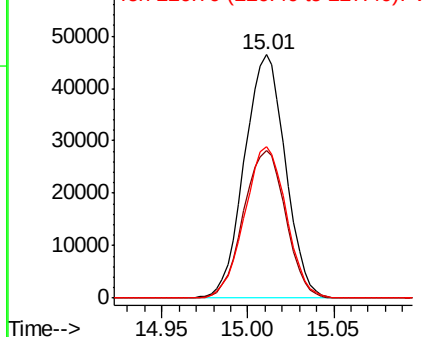


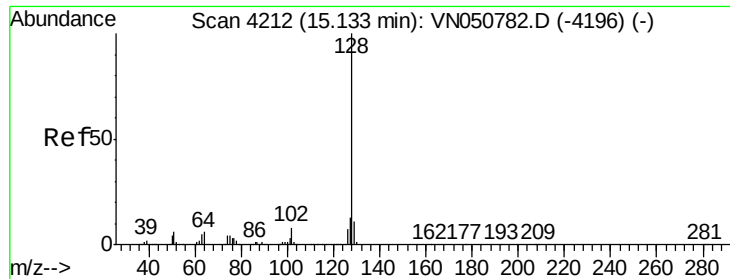
Abundance

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





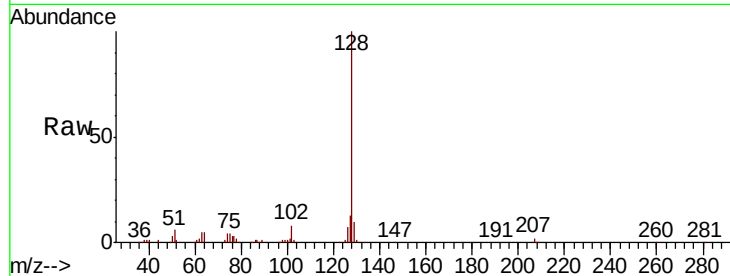
#95
Naphthalene
Concen: 17.824 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

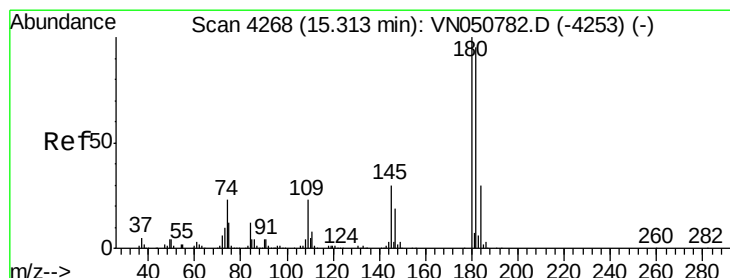
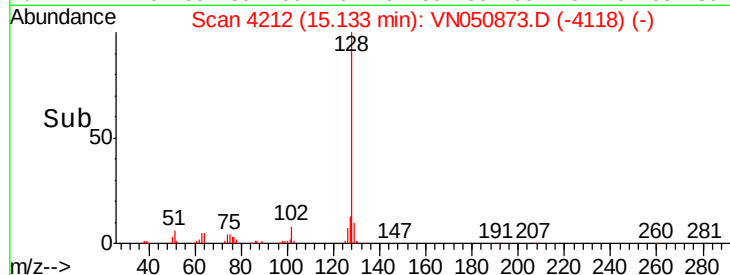
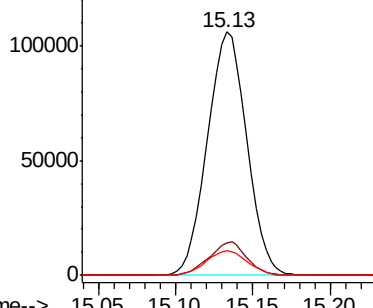
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	187996		
127	13.2	10.5	15.7	
129	10.6	8.7	13.1	

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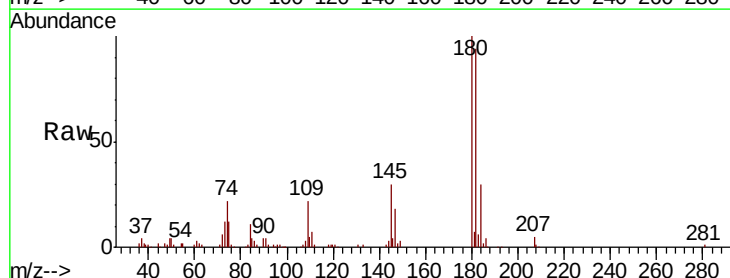


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.105 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102728		
182	95.0	48.0	144.2	
145	29.1	15.2	45.6	



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

