

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051939.D
 Acq On : 19 Oct 2018 11:20
 Operator : MD\SY
 Sample : VN1019WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:35:25 AM

Quant Time: Oct 19 23:42:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	975518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1459708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1274444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	534086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	443424	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	449194	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1598221	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.40	95	493741	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108852	18.441	ug/l	99
3) Chloromethane	2.06	50	109181	18.931	ug/l	100
4) Vinyl Chloride	2.19	62	166156	19.075	ug/l	97
5) Bromomethane	2.57	94	153186	20.300	ug/l	97
6) Chloroethane	2.71	64	128977	20.402	ug/l	98
7) Trichlorofluoromethane	3.02	101	271868	20.253	ug/l	97
8) Diethyl Ether	3.41	74	80550	20.483	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158588	20.591	ug/l	99
10) Methyl Iodide	3.95	142	187089	20.520	ug/l	100
11) Tert butyl alcohol	4.79	59	41324	78.199	ug/l	100
12) 1,1-Dichloroethene	3.74	96	147340	20.987	ug/l	96
13) Acrolein	3.61	56	28721	61.257	ug/l	96
14) Allyl chloride	4.33	41	151257	19.892	ug/l	96
15) Acrylonitrile	4.99	53	184577	95.660	ug/l	99
16) Acetone	3.82	43	134147	83.769	ug/l	98
17) Carbon Disulfide	4.06	76	297739	17.010	ug/l	100
18) Methyl Acetate	4.34	43	95594	18.308	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	394799	19.513	ug/l	98
20) Methylene Chloride	4.55	84	161271	19.811	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	159152	19.725	ug/l	99
22) Diisopropyl ether	5.95	45	366903	20.704	ug/l	91
23) Vinyl Acetate	5.90	43	1167781	95.716	ug/l	99
24) 1,1-Dichloroethane	5.86	63	260184	20.274	ug/l	100
25) 2-Butanone	6.84	43	201951	88.240	ug/l	97
26) 2,2-Dichloropropane	6.82	77	233580	19.245	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	186335	19.873	ug/l	98
28) Bromochloromethane	7.20	49	106765	20.487	ug/l	96
29) Tetrahydrofuran	7.22	42	126099	90.207	ug/l	98
30) Chloroform	7.37	83	315479	20.549	ug/l	96
31) Cyclohexane	7.65	56	216045	19.068	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	288722	20.162	ug/l	99
36) 1,1-Dichloropropene	7.80	75	213571	18.851	ug/l	98
37) Ethyl Acetate	6.93	43	96743	17.711	ug/l	100
38) Carbon Tetrachloride	7.77	117	254093	19.045	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260486	18.567	ug/l	99
40) Benzene	8.04	78	650373	19.651	ug/l	99
41) Methacrylonitrile	7.18	41	47876	18.604	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	210039	19.809	ug/l	100
43) Isopropyl Acetate	8.17	43	184705	17.048	ug/l	97
44) Trichloroethene	8.84	130	202562	19.503	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154228	20.152	ug/l	99
46) Dibromomethane	9.21	93	115463	19.793	ug/l	95
47) Bromodichloromethane	9.40	83	231545	19.804	ug/l	100
48) Methyl methacrylate	9.20	41	84889	18.561	ug/l	98
49) 1,4-Dioxane	9.20	88	30555	351.740	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	478103	90.651	ug/l	99
52) Toluene	10.16	92	430673	19.452	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	199879	18.040	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	239425	19.379	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159220	19.627	ug/l	98
56) Ethyl methacrylate	10.43	69	163216	17.996	ug/l	97
57) 1,3-Dichloropropane	10.71	76	242298	19.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	347442	85.055	ug/l	99
59) 2-Hexanone	10.75	43	291232	82.352	ug/l	100
60) Dibromochloromethane	10.90	129	176170	17.588	ug/l	100
61) 1,2-Dibromoethane	11.01	107	157396	18.498	ug/l	99
64) Tetrachloroethene	10.63	164	208701	20.401	ug/l	97
65) Chlorobenzene	11.43	112	500017	19.624	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	186299	19.643	ug/l	99
67) Ethyl Benzene	11.51	91	816680	19.565	ug/l	99
68) m/p-Xylenes	11.62	106	650067	38.786	ug/l	98
69) o-Xylene	11.95	106	325046	19.901	ug/l	98
70) Styrene	11.96	104	478761	19.055	ug/l	98
71) Bromoform	12.13	173	105434	17.055	ug/l #	99
73) Isopropylbenzene	12.25	105	860998	20.824	ug/l	99
74) N-amyl acetate	12.07	43	129561	18.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	167719	20.072	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141488m	21.796	ug/l	
77) Bromobenzene	12.53	156	209192	19.884	ug/l	97
78) n-propylbenzene	12.59	91	892215	20.730	ug/l	99
79) 2-Chlorotoluene	12.67	91	535464	21.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	695912	20.824	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31328	16.017	ug/l	88
82) 4-Chlorotoluene	12.77	91	514910	20.473	ug/l	100
83) tert-Butylbenzene	12.99	119	659409	20.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	687197	20.914	ug/l	98
85) sec-Butylbenzene	13.17	105	826883	20.711	ug/l	99
86) p-Isopropyltoluene	13.29	119	723554	20.910	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	346297	19.530	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	330884	18.987	ug/l	99
89) n-Butylbenzene	13.62	91	514625	20.502	ug/l	98
90) Hexachloroethane	13.87	117	114382	19.764	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352247	20.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21512	19.218	ug/l	95

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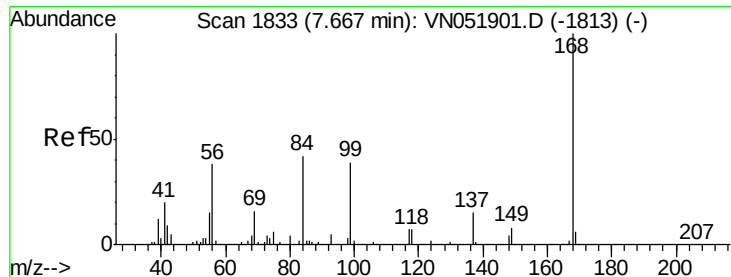
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116174	16.391	ug/l	97
94) Hexachlorobutadiene	15.01	225	111154	20.441	ug/l	98
95) Naphthalene	15.13	128	219556	15.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129391	17.550	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion:168 Resp: 975518

Ion Ratio Lower Upper

168 100

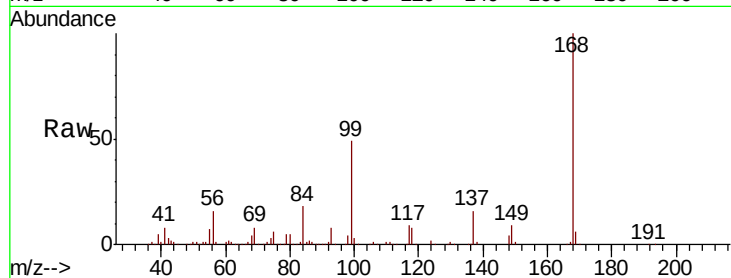
99 48.6 39.2 58.8

Manual Integrations

APPROVED

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10/22/2018 11:35:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

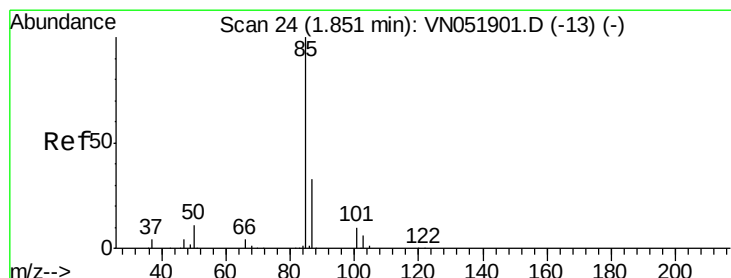
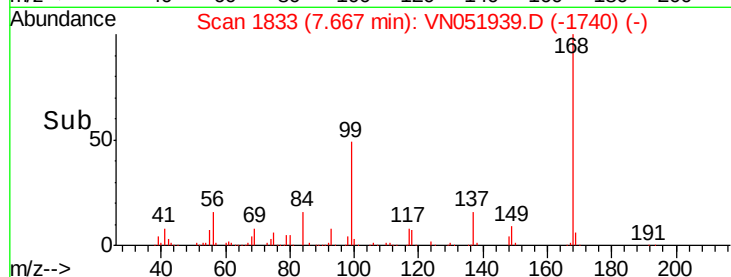
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.441 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051939.D

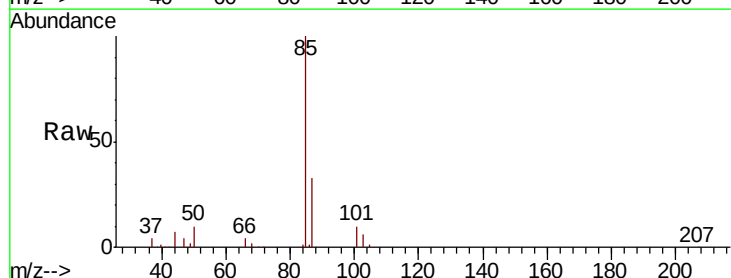
Acq: 19 Oct 2018 11:20

Tgt Ion: 85 Resp: 108852

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

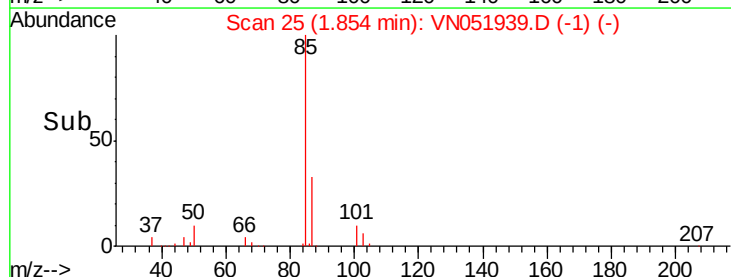
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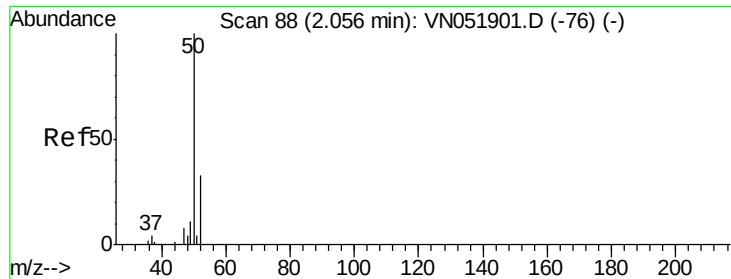
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.931 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 50 Resp: 109181

Ion Ratio Lower Upper

50 100

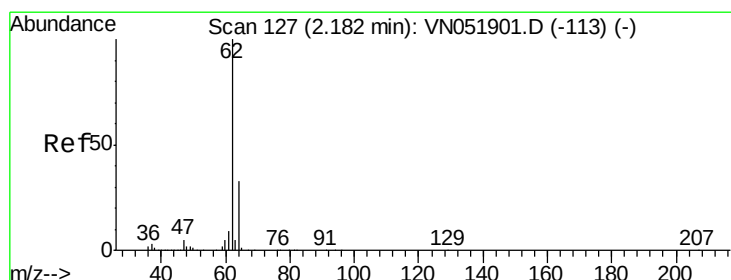
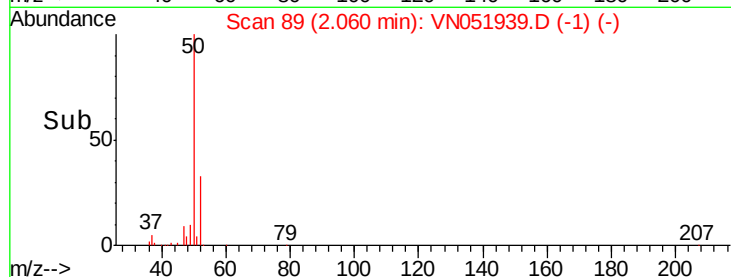
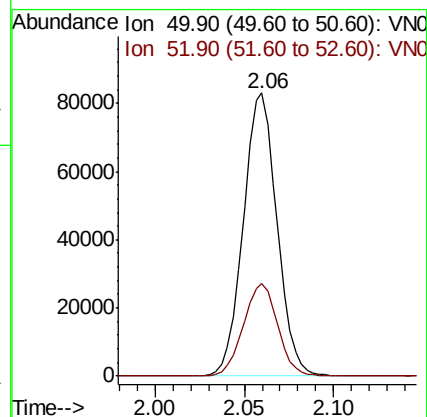
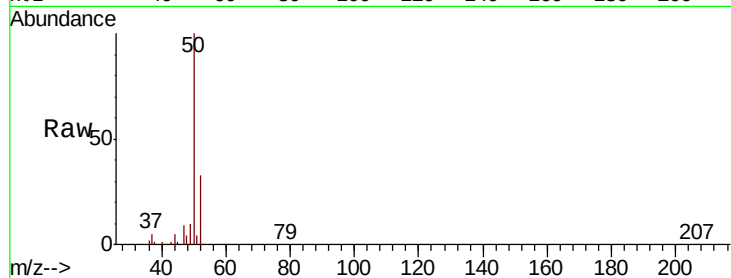
52 32.7 26.3 39.5

Manual Integrations

APPROVED

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10/22/2018 11:35:25 AM



#4

Vinyl Chloride

Concen: 19.075 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051939.D

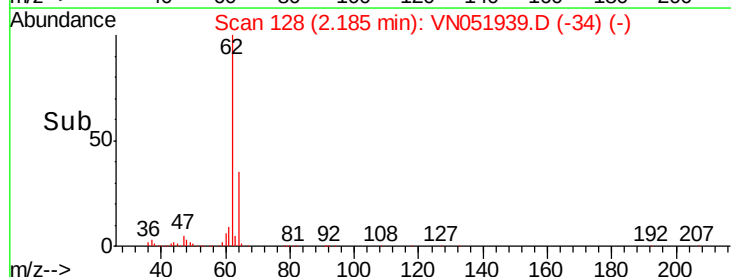
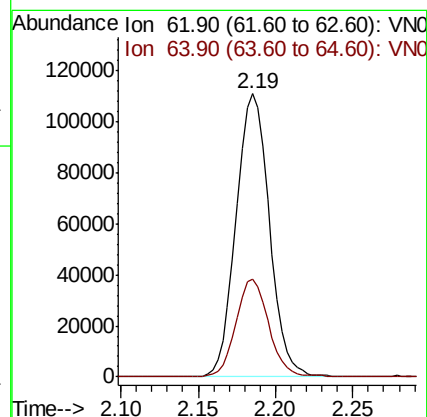
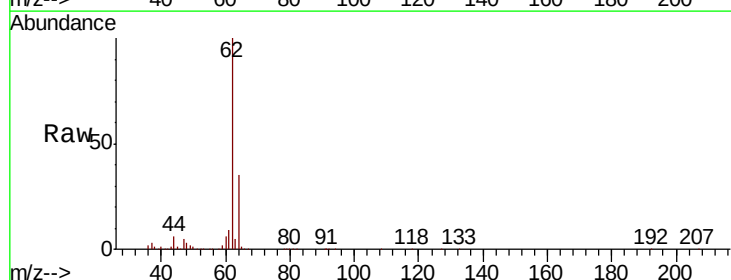
Acq: 19 Oct 2018 11:20

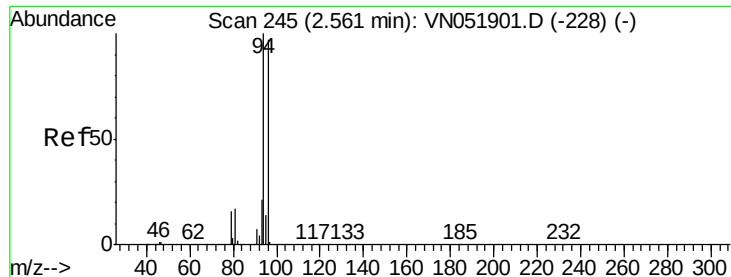
Tgt Ion: 62 Resp: 166156

Ion Ratio Lower Upper

62 100

64 34.6 26.2 39.2





#5

Bromomethane

Concen: 20.300 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 94 Resp: 153186

Ion Ratio Lower Upper

94 100

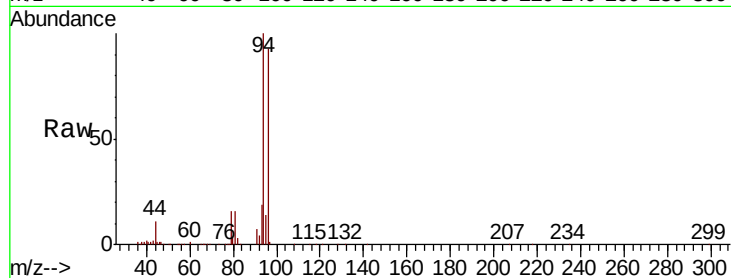
96 93.7 77.5 116.3

Manual Integrations

APPROVED

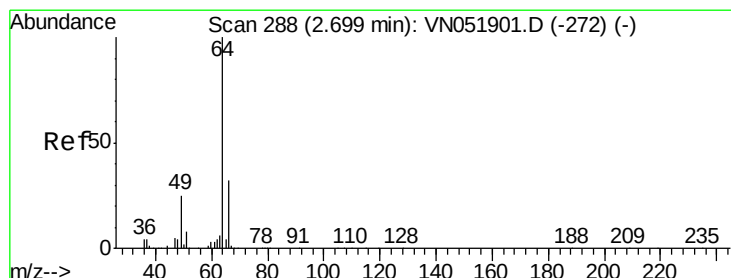
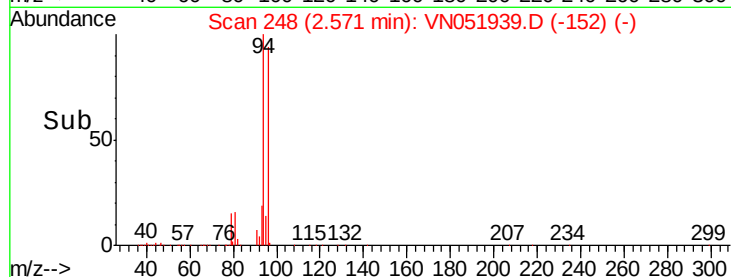
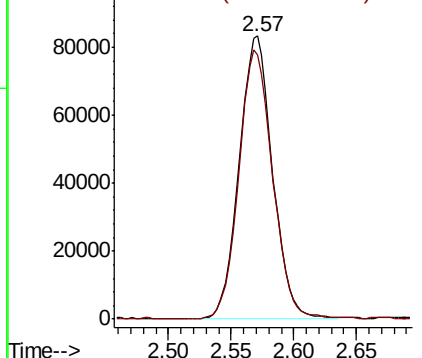
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10/22/2018 11:35:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.402 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051939.D

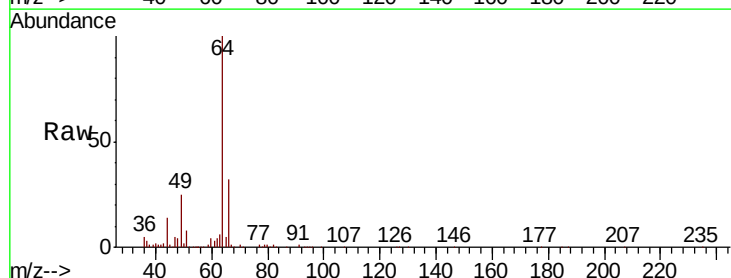
Acq: 19 Oct 2018 11:20

Tgt Ion: 64 Resp: 128977

Ion Ratio Lower Upper

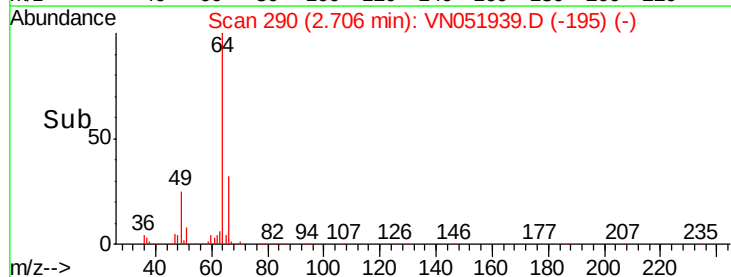
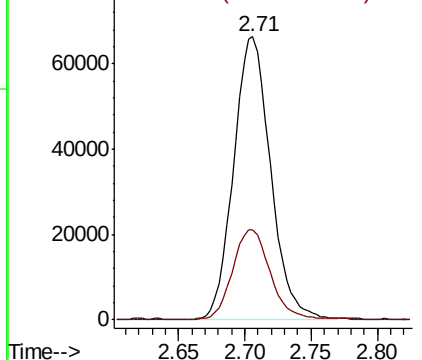
64 100

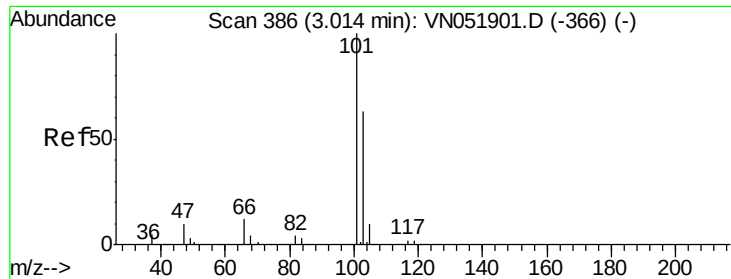
66 31.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

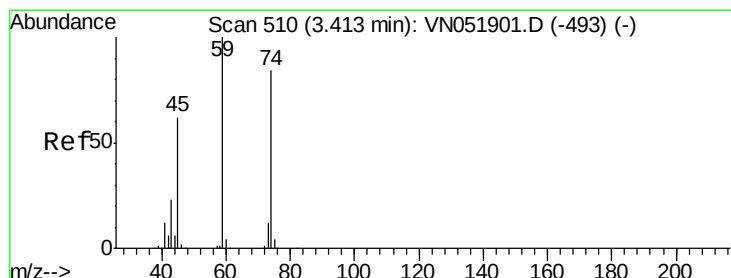
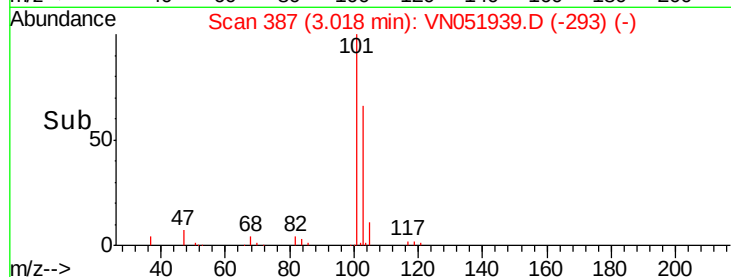
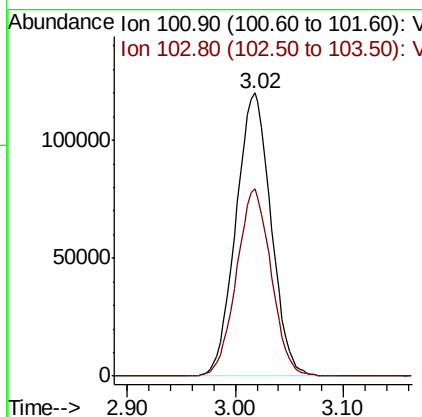
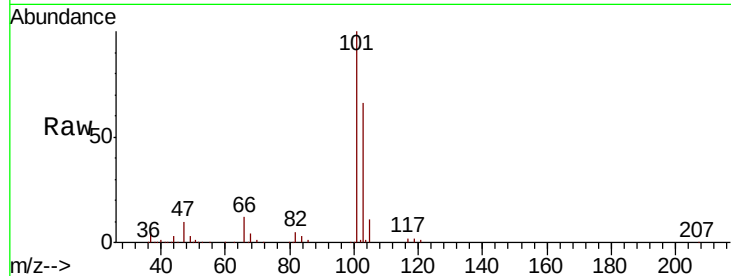
Trichlorofluoromethane
 Concen: 20.253 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
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 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.8	76.2

Manual Integrations
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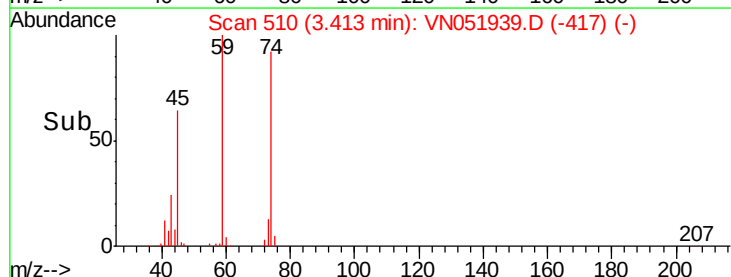
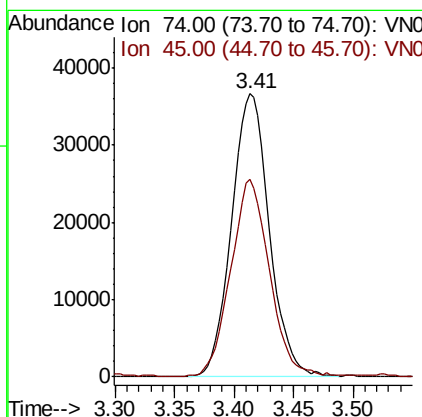
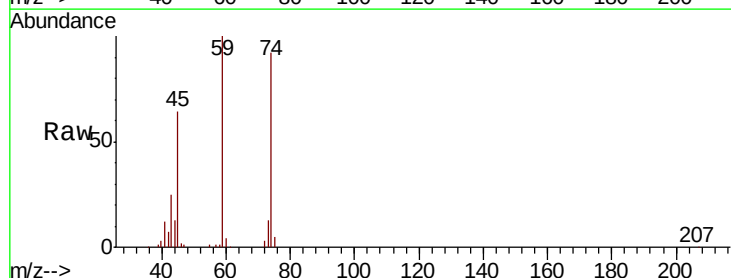
MMDadoda
 10/22/2018 11:35:25 AM

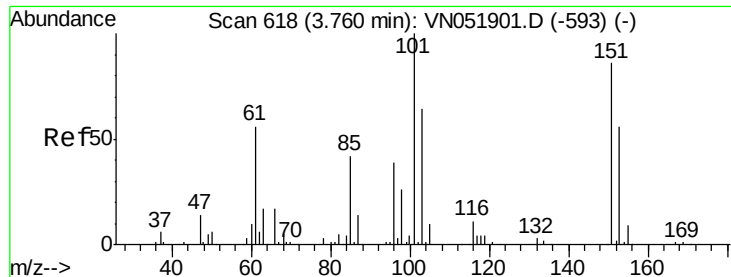


#8

Diethyl Ether
 Concen: 20.483 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	71.5	36.8	110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.591 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

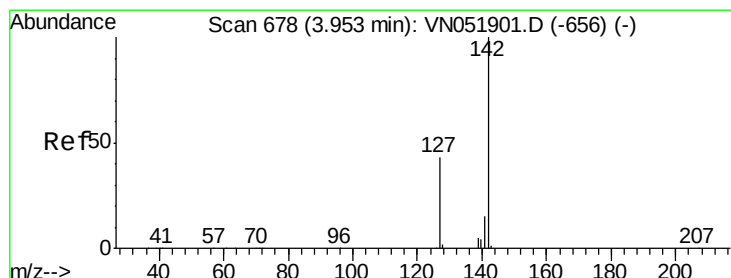
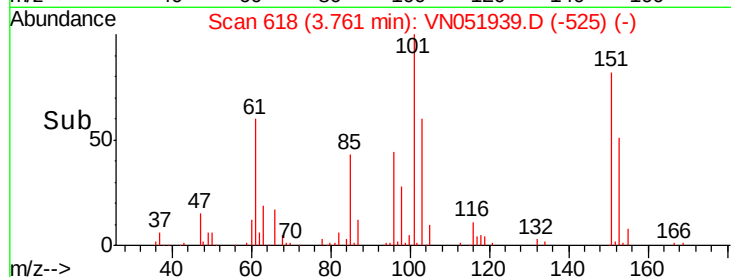
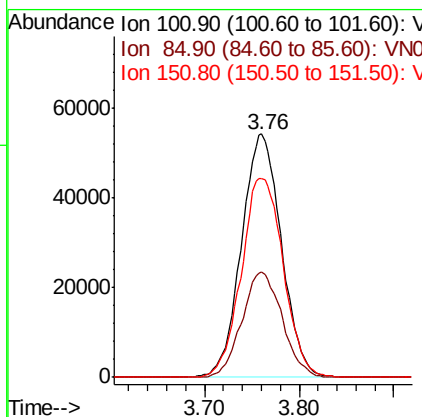
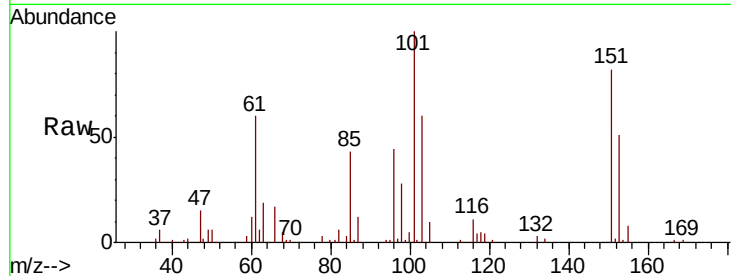
ClientSampleId :

VN1019WBSD01

Tot Ion:	101	Resp:	158588
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.8	52.2
151	86.1	68.0	102.0

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#10

Methyl Iodide

Concen: 20.520 ug/l

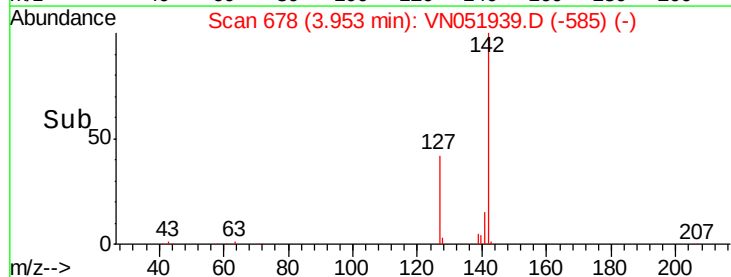
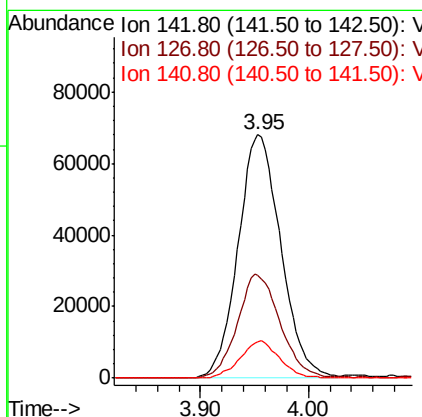
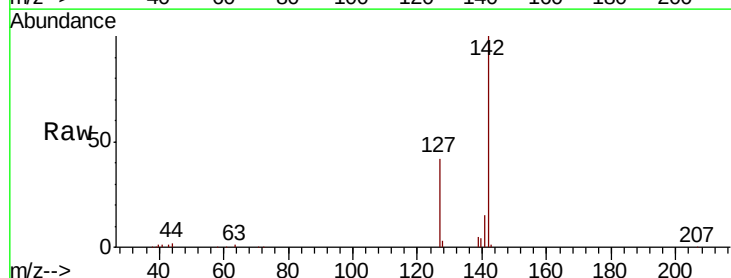
RT: 3.95 min Scan# 678

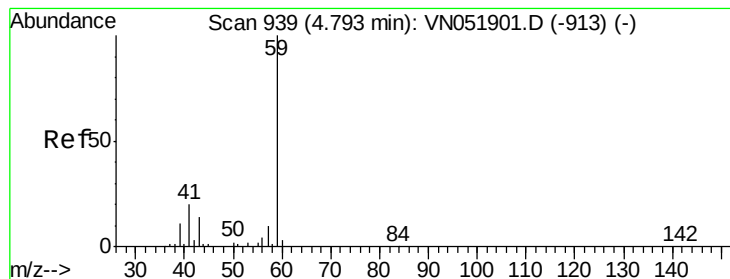
Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	142	Resp:	187089
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.3	51.5
141	14.1	11.1	16.7





#11

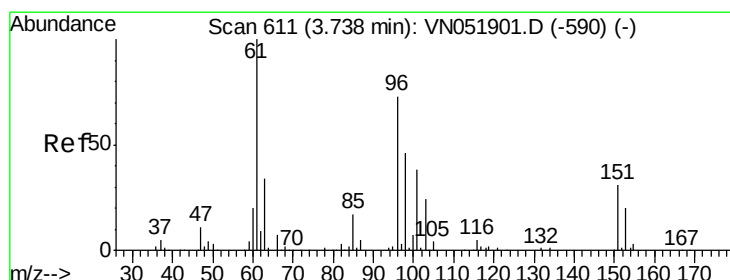
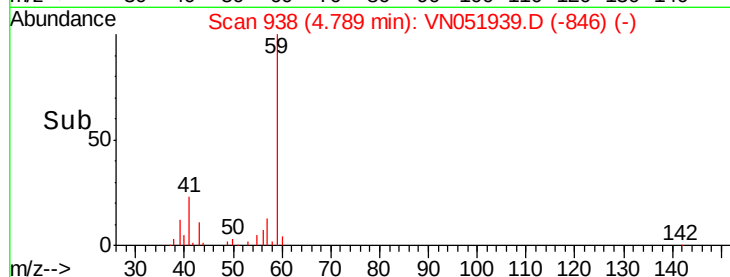
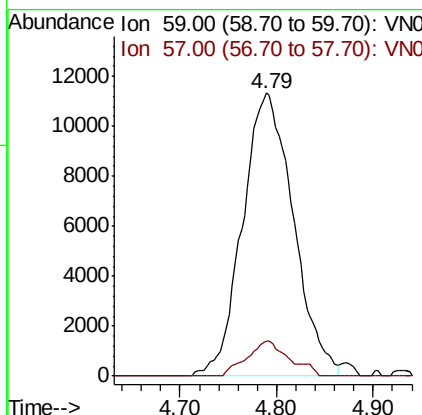
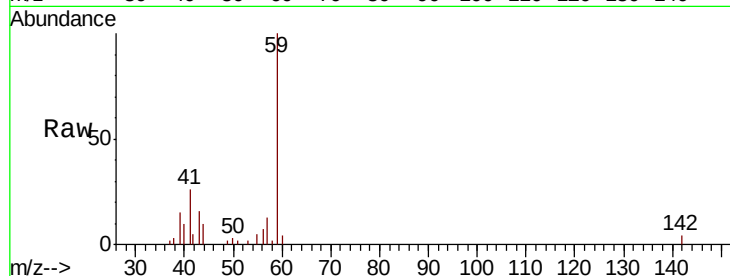
Tert butyl alcohol
 Concen: 78.199 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	59	Resp	41324
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

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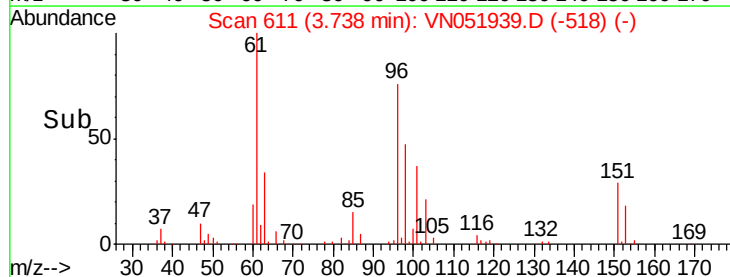
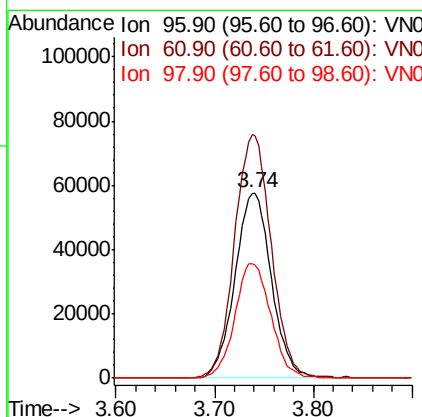
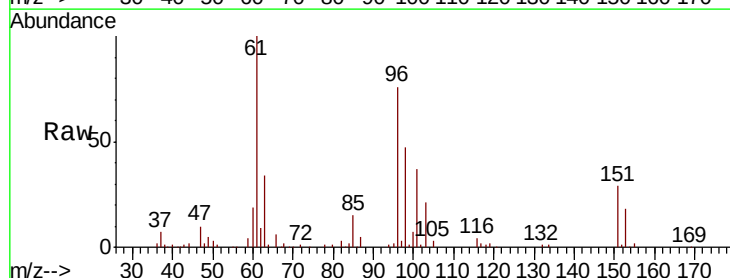
MMDadoda
 10/22/2018 11:35:25 AM

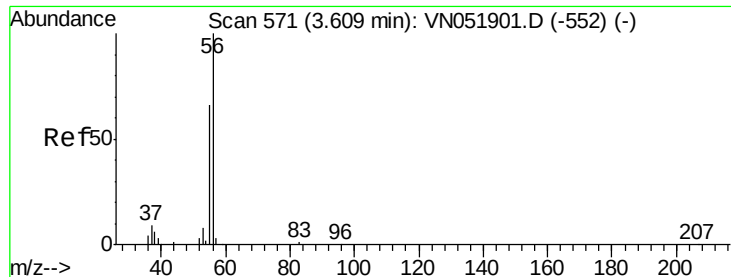


#12

1,1-Dichloroethene
 Concen: 20.987 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	96	Resp	147340
Ion Ratio	100	Lower	Upper
61	131.5	109.8	164.6
98	61.9	50.9	76.3





#13

Acrolein

Concen: 61.257 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 56 Resp: 28721

Ion Ratio Lower Upper

56 100

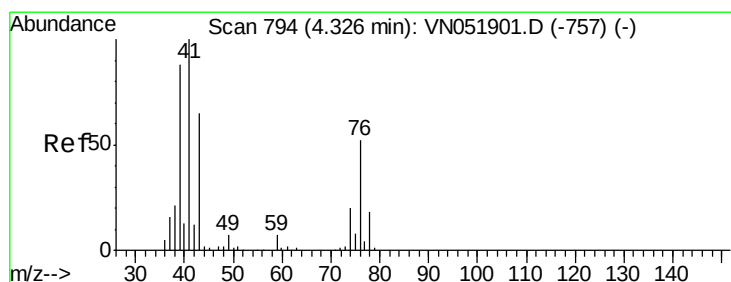
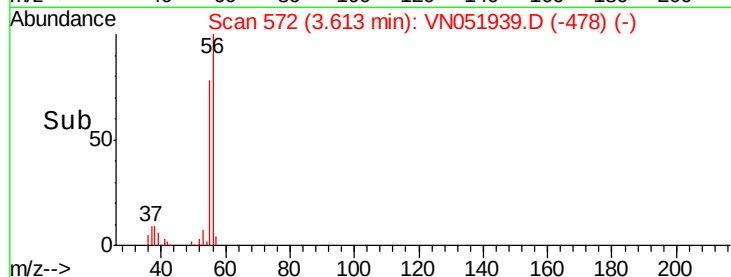
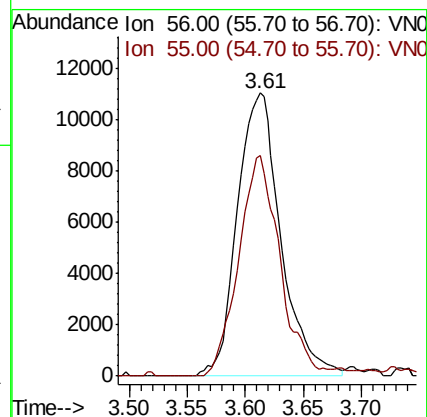
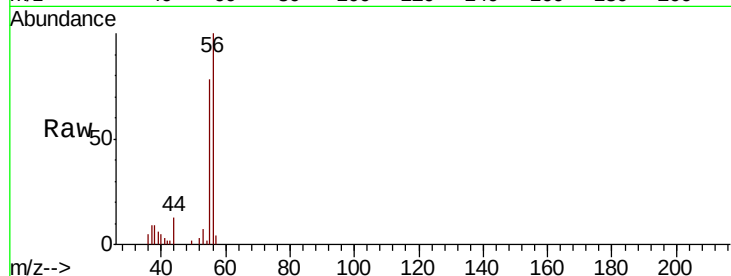
55 73.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.892 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

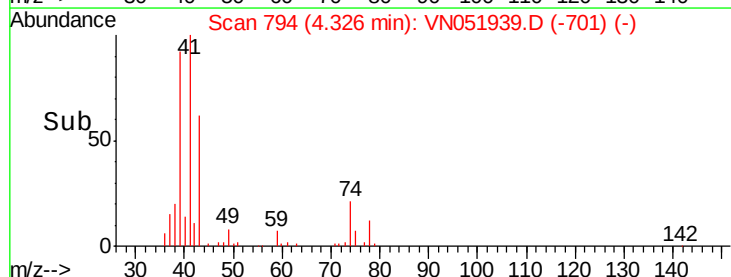
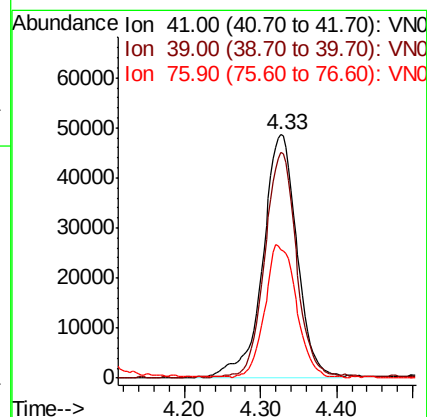
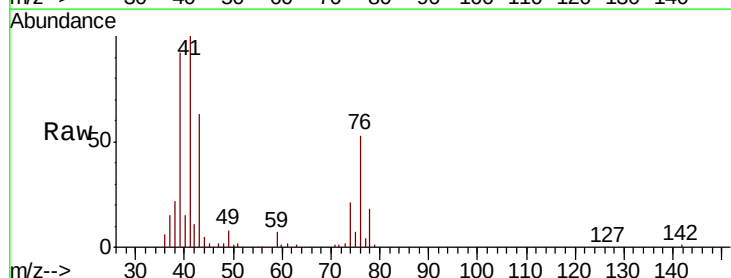
Tgt Ion: 41 Resp: 151257

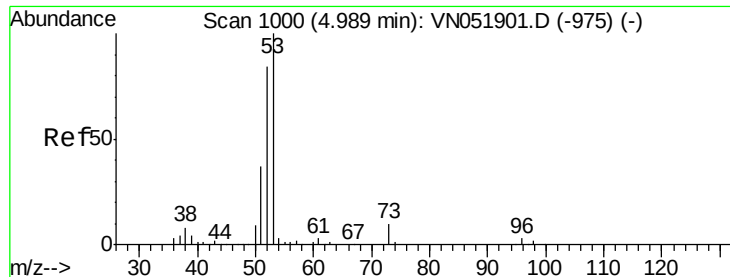
Ion Ratio Lower Upper

41 100

39 86.6 65.4 98.0

76 49.8 39.6 59.4





#15

Acrylonitrile

Concen: 95.660 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

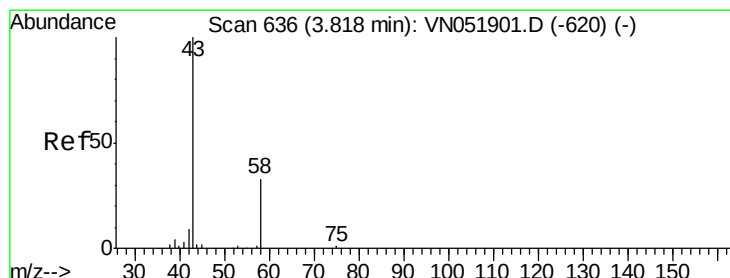
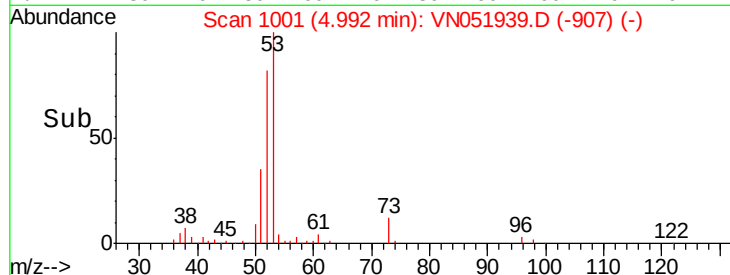
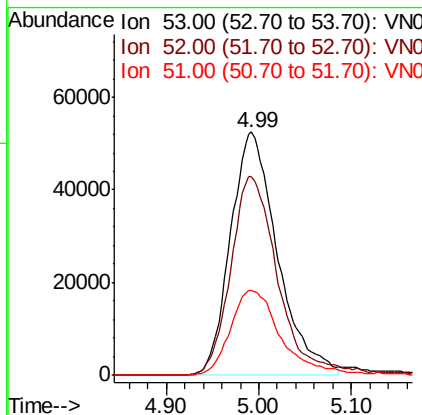
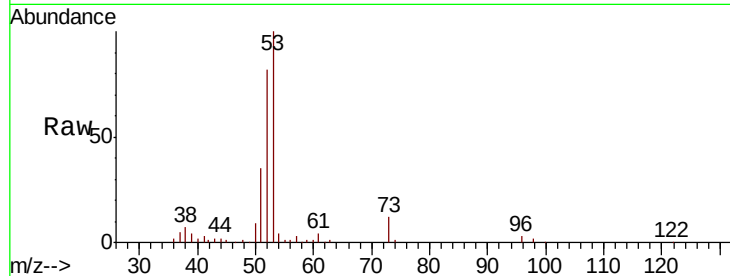
ClientSampleId :

VN1019WBSD01

Tot Ion:	53	Resp:	184577
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.8
51	37.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 83.769 ug/l

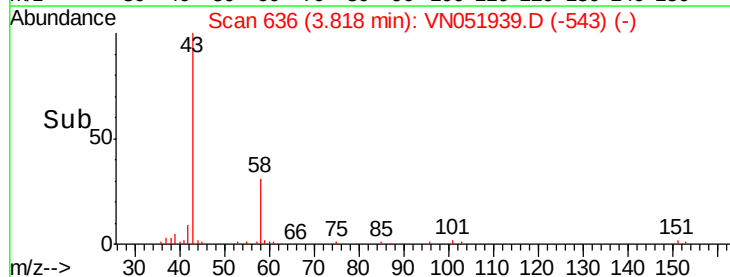
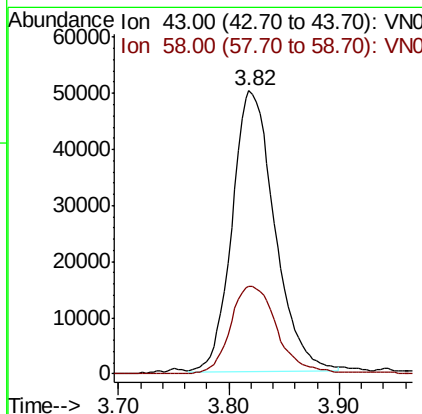
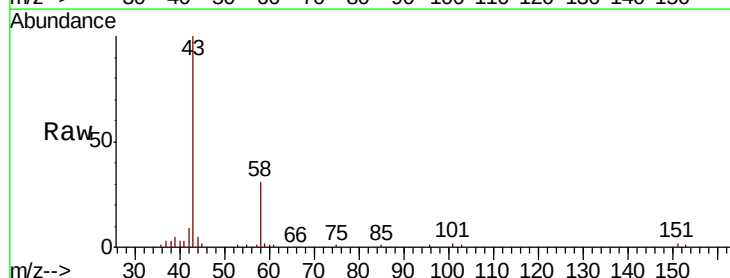
RT: 3.82 min Scan# 636

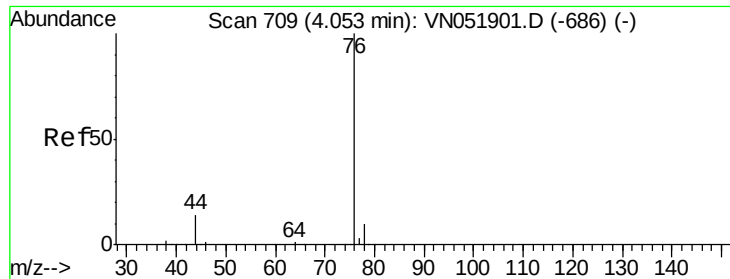
Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	43	Resp:	134147
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.9	38.9





#17

Carbon Disulfide

Concen: 17.010 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 76 Resp: 297739

Ion Ratio Lower Upper

76 100

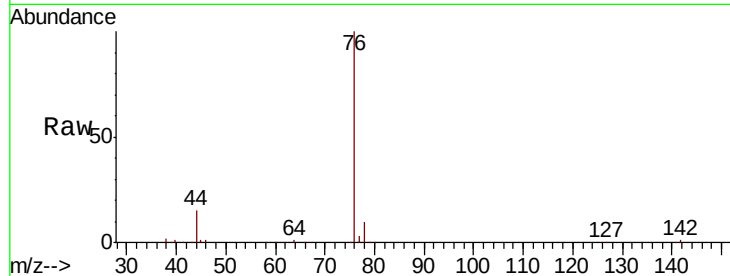
78 9.7 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VN051939.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051939.D (-616) (-)

4.06

120000

100000

80000

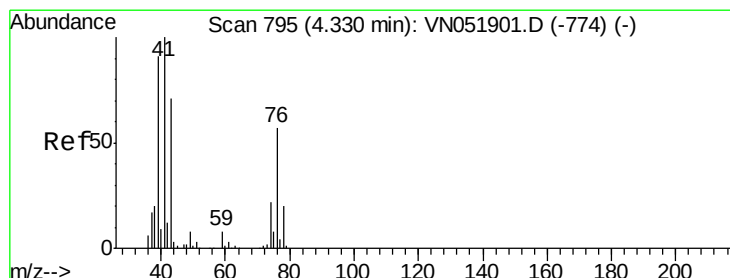
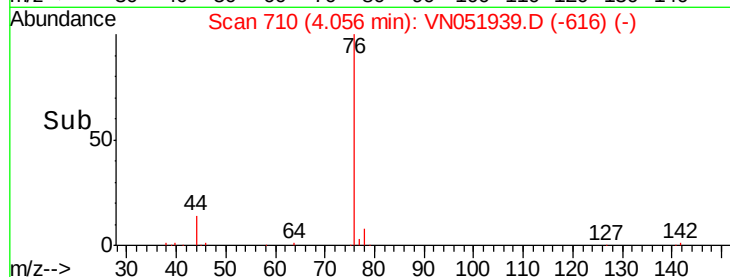
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.308 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051939.D

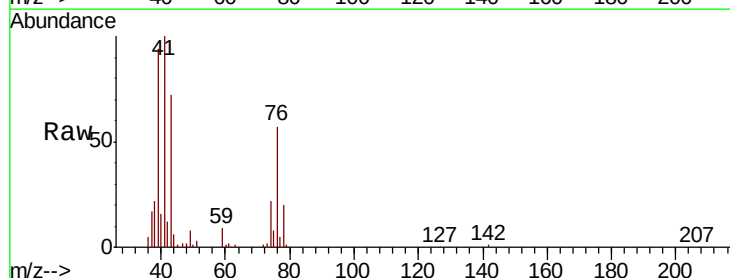
Acq: 19 Oct 2018 11:20

Tgt Ion: 43 Resp: 95594

Ion Ratio Lower Upper

43 100

74 30.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN051939.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051939.D (-701) (-)

4.34

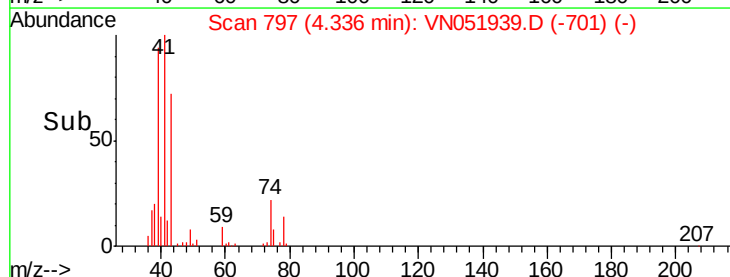
30000

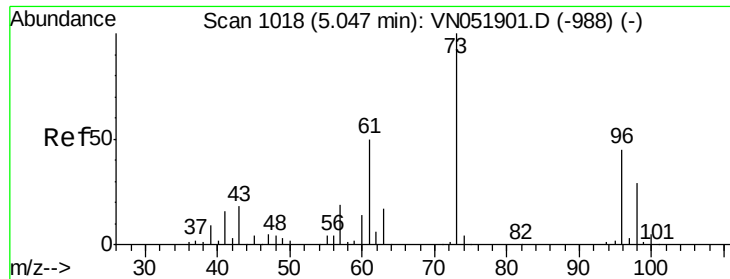
20000

10000

0

Time-->





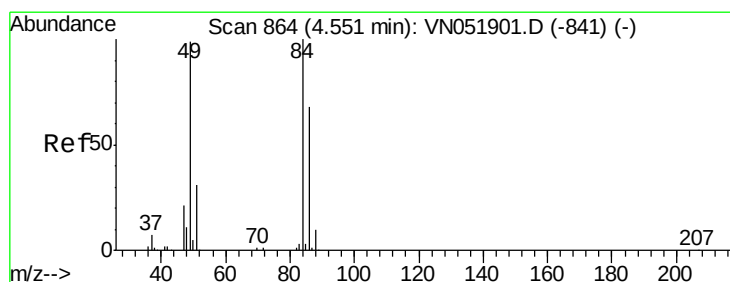
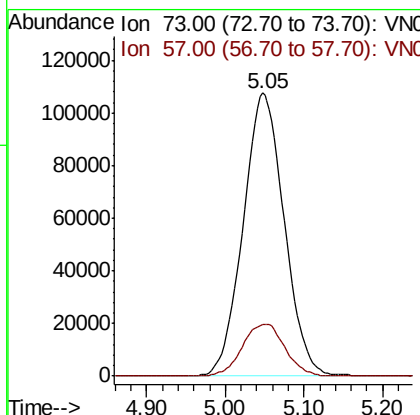
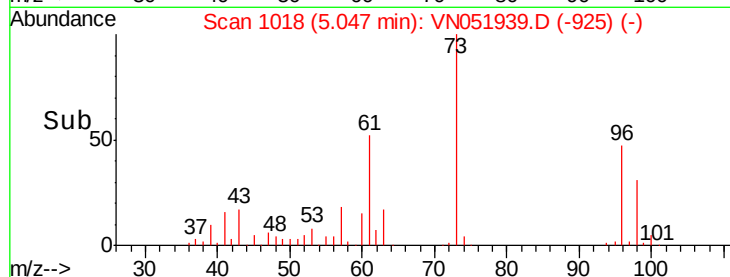
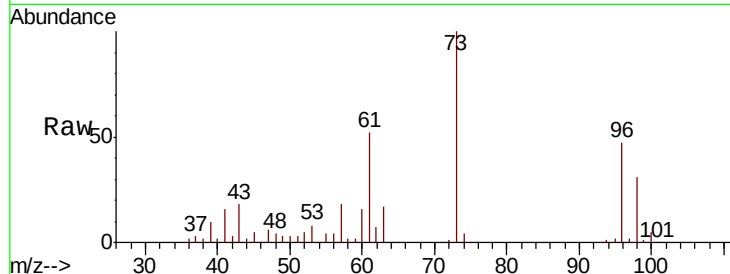
#19
Methvl tert-butyl Ether
Concen: 19.513 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion: 73 Resp: 394799
Ion Ratio Lower Upper
73 100
57 18.1 15.3 22.9

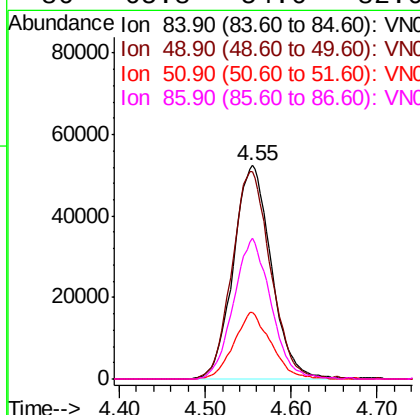
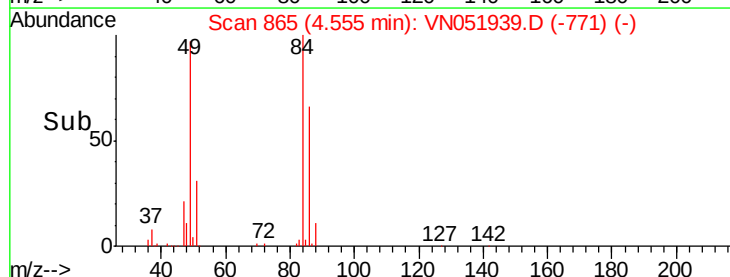
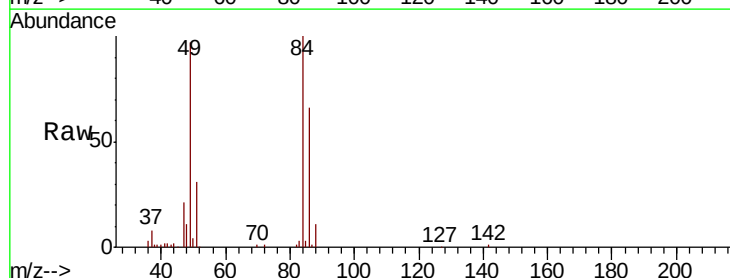
Manual Integrations
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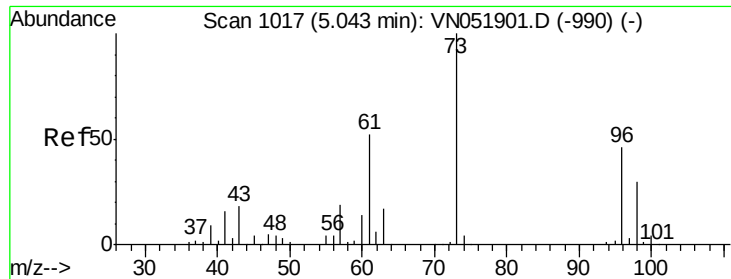
MMDadoda
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#20
Methylene Chloride
Concen: 19.811 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 84 Resp: 161271
Ion Ratio Lower Upper
84 100
49 97.2 79.0 118.4
51 31.5 24.9 37.3
86 65.8 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 19.725 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

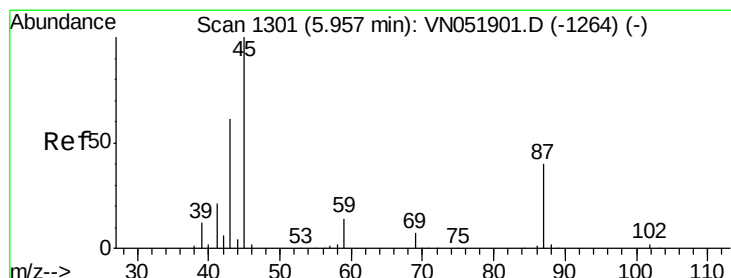
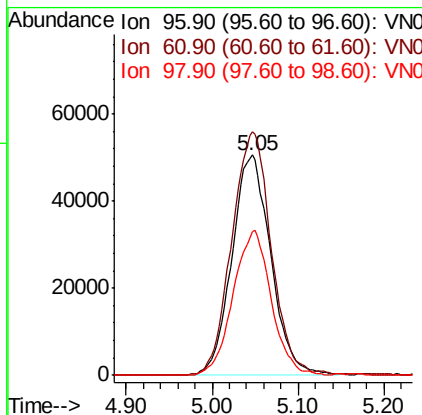
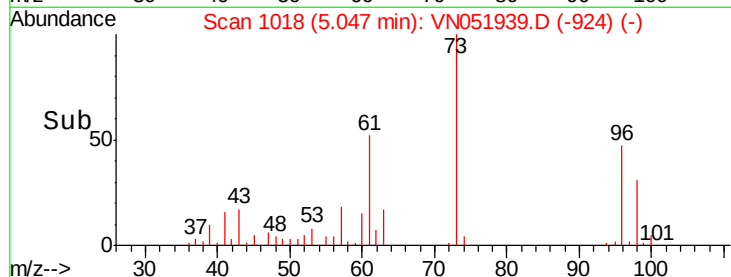
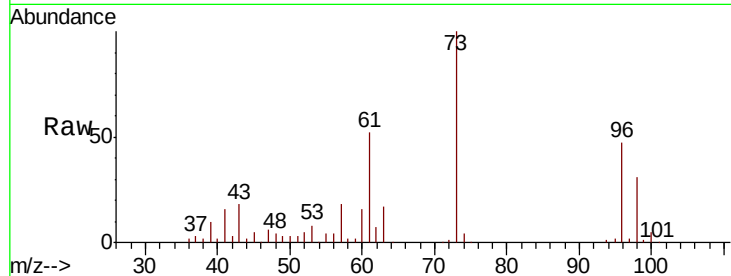
ClientSampleId :

VN1019WBSD01

Tot Ion:	96	Resp:	159152
Ion	Ratio	Lower	Upper
96	100		
61	110.2	89.8	134.6
98	65.3	51.7	77.5

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#22

Diisopropyl ether

Concen: 20.704 ug/l

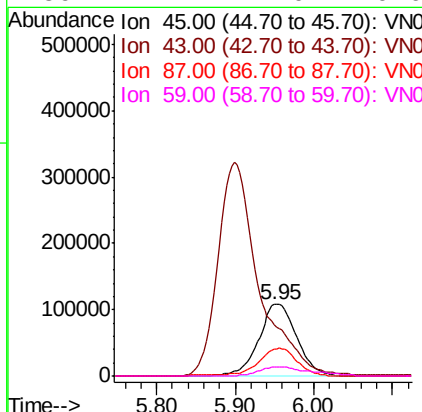
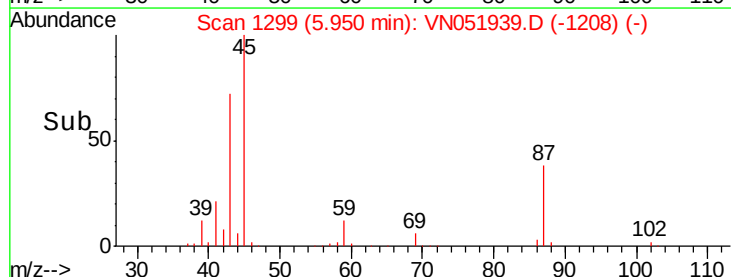
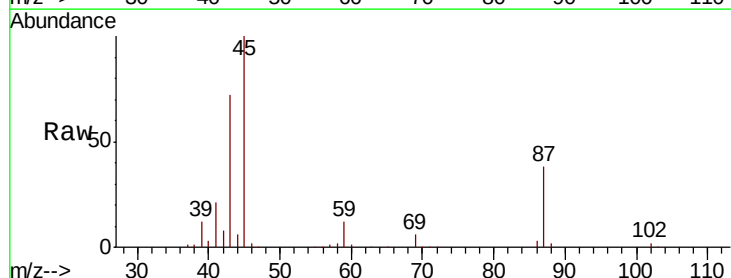
RT: 5.95 min Scan# 1299

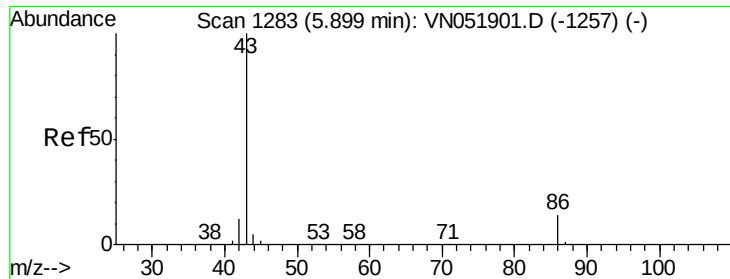
Delta R.T. -0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	45	Resp:	366903
Ion	Ratio	Lower	Upper
45	100		
43	69.7	48.9	73.3
87	37.3	32.6	48.8
59	11.7	11.0	16.6





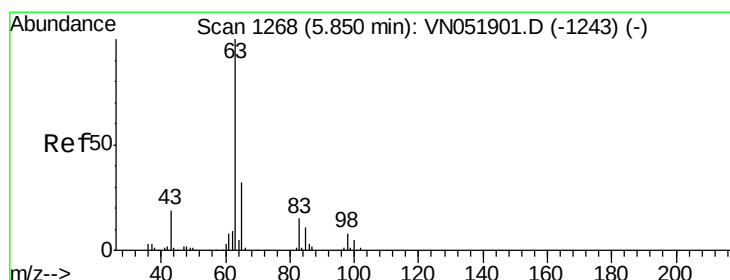
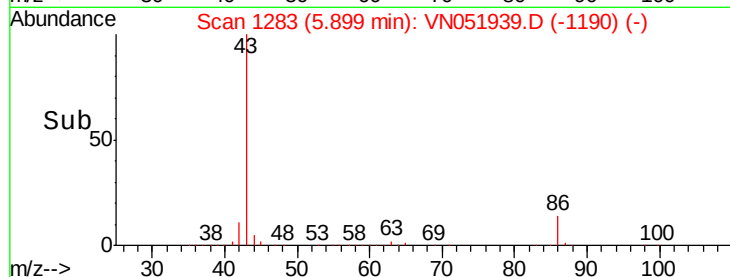
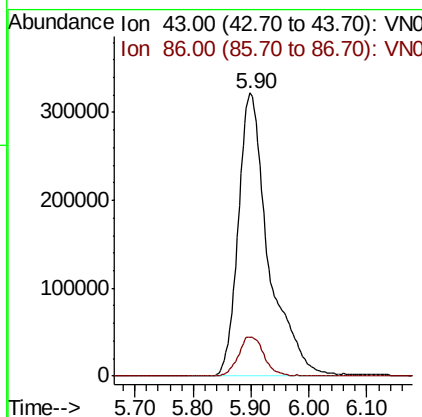
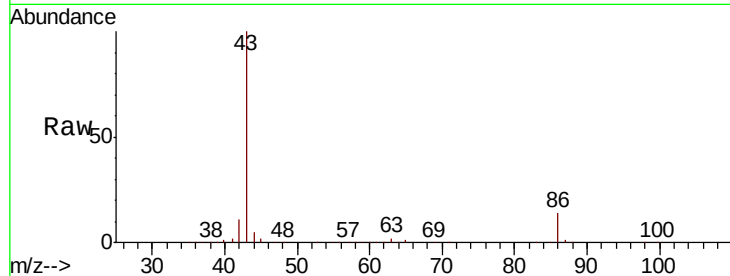
#23
 Vinyl Acetate
 Concen: 95.716 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion: 43 Resp: 1167781
 Ion Ratio Lower Upper
 43 100
 86 13.9 11.5 17.3

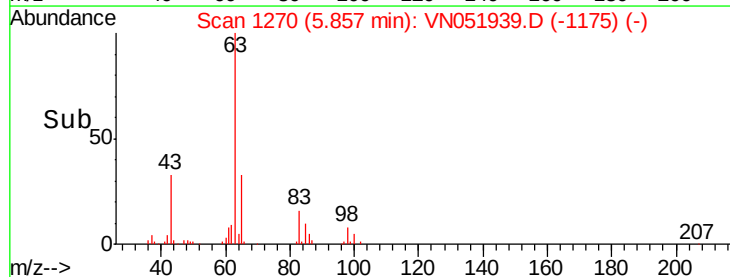
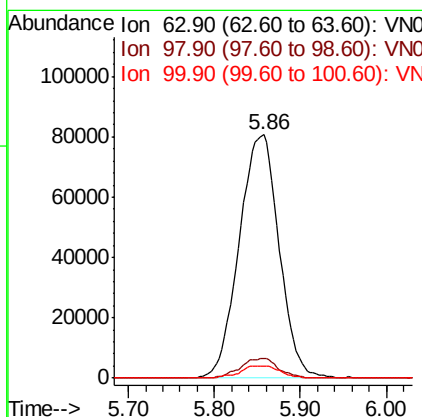
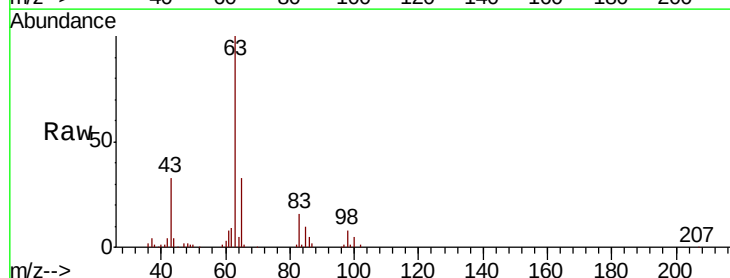
Manual Integrations
 APPROVED

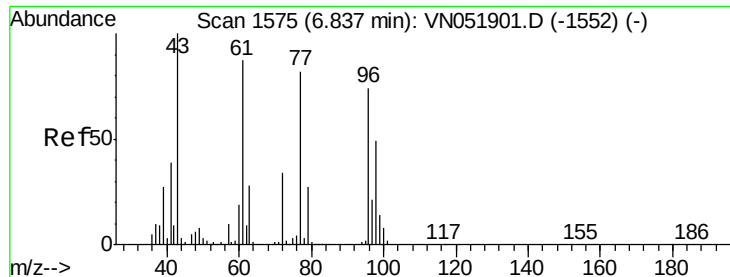
MMDadoda
 10/22/2018 11:35:25 AM



#24
 1,1-Dichloroethane
 Concen: 20.274 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 63 Resp: 260184
 Ion Ratio Lower Upper
 63 100
 98 8.1 4.0 12.0
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 88.240 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 43 Resp: 201951

Ion Ratio Lower Upper

43 100

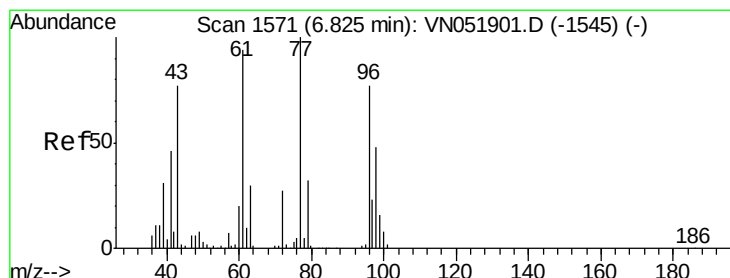
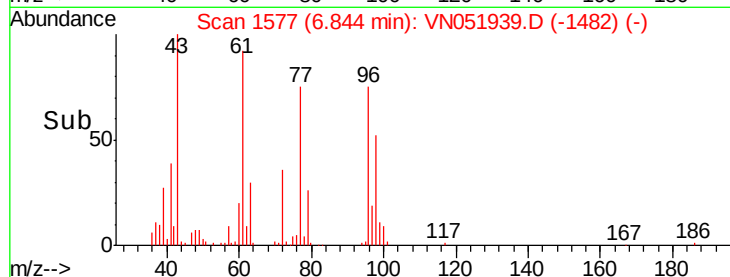
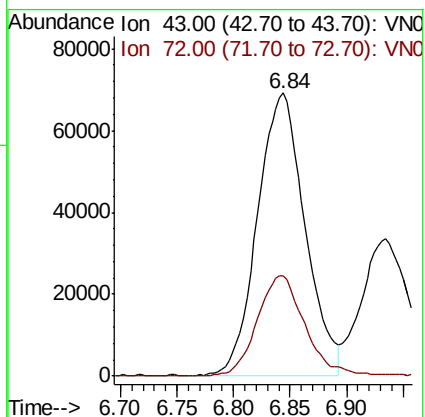
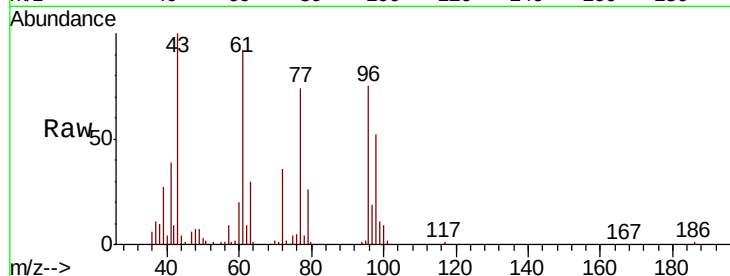
72 35.5 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

10/22/2018 11:35:25 AM



#26

2,2-Dichloropropane

Concen: 19.245 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN051939.D

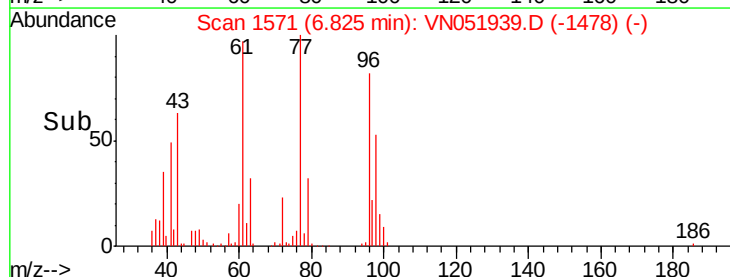
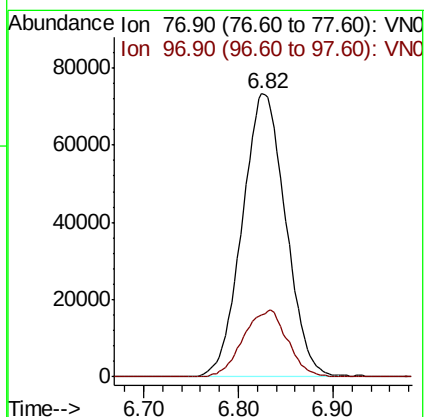
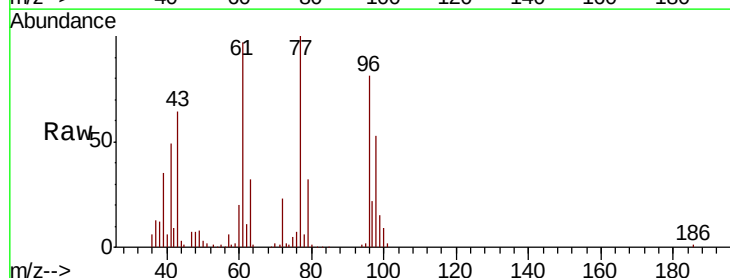
Acq: 19 Oct 2018 11:20

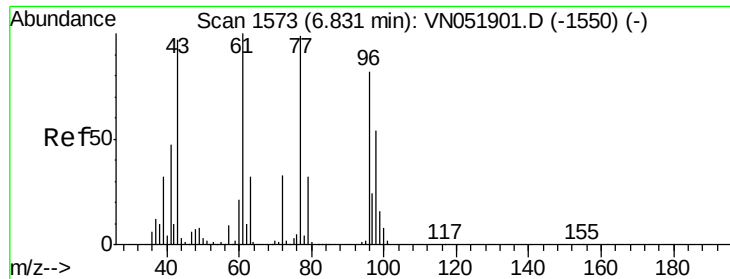
Tgt Ion: 77 Resp: 233580

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.1





#27

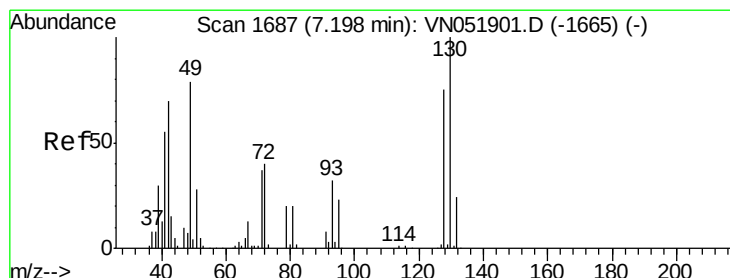
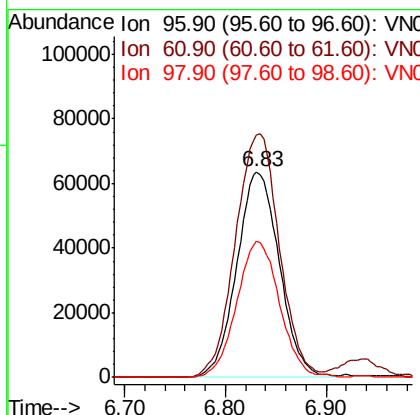
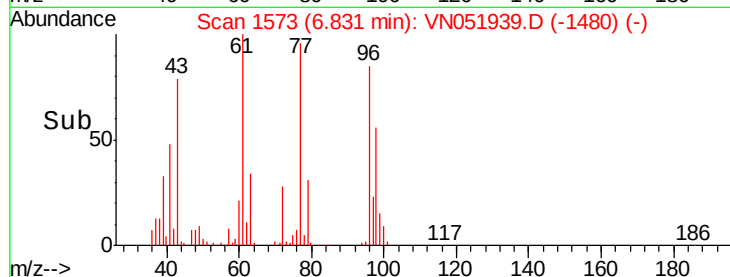
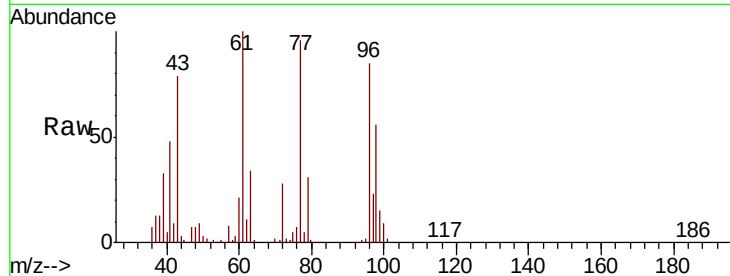
cis-1,2-Dichloroethene
Concen: 19.873 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	122.6	0.0	240.2	
98	66.8	0.0	129.8	

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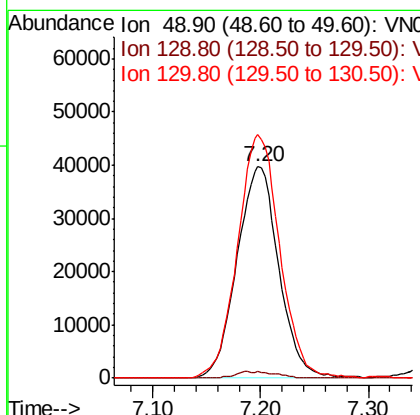
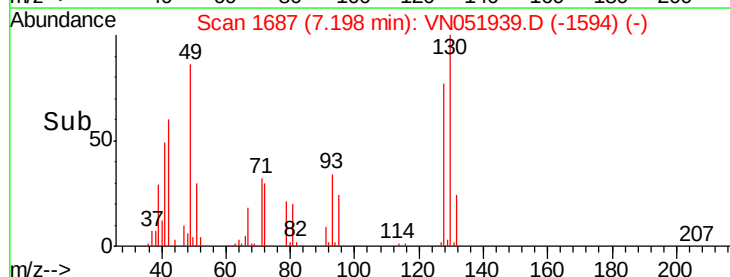
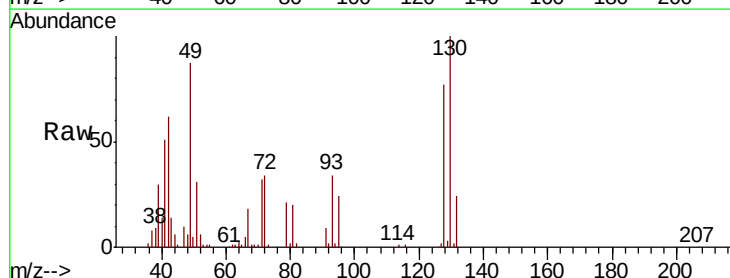
MMDadoda
10/22/2018 11:35:25 AM

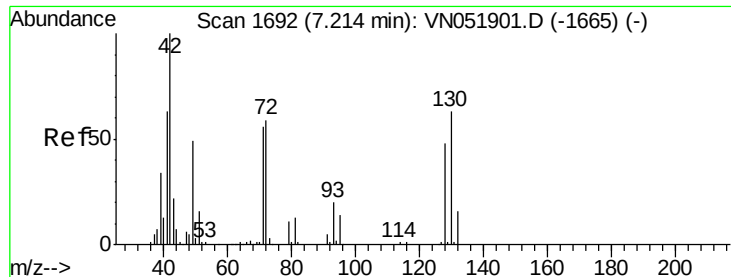


#28

Bromochloromethane
Concen: 20.487 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	6.0	
130	116.5	96.7	145.1	





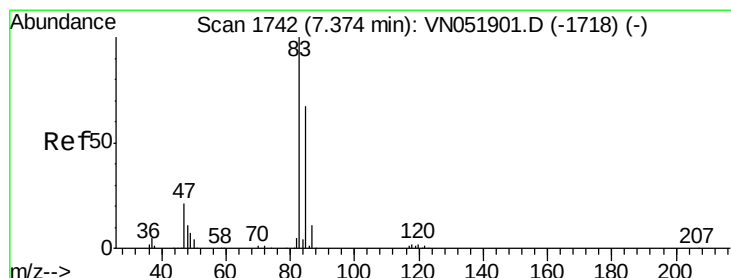
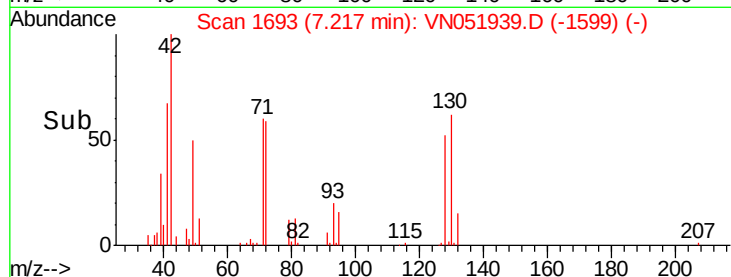
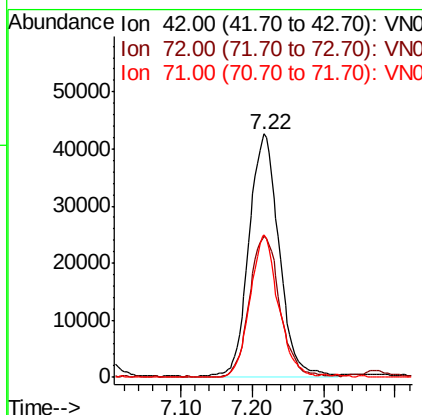
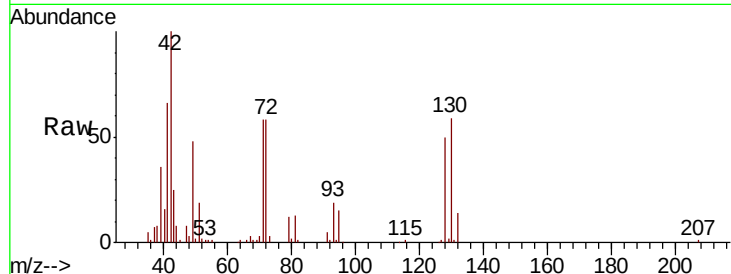
#29
Tetrahydrofuran
Concen: 90.207 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.4	47.7	71.5
71	54.5	45.4	68.0

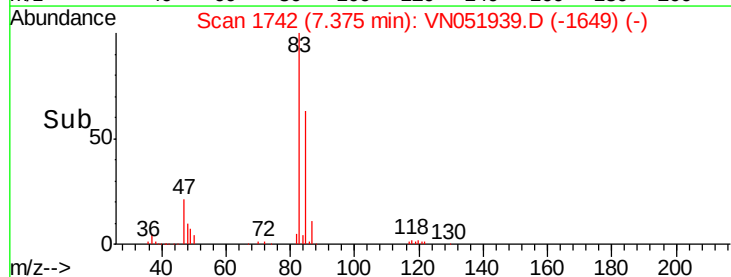
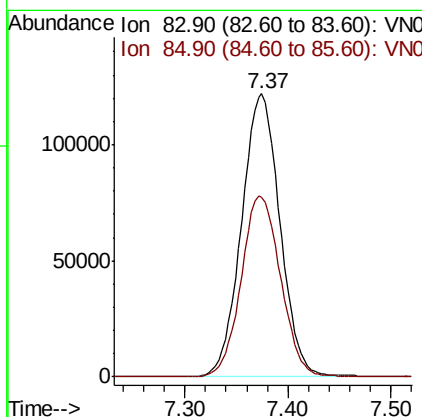
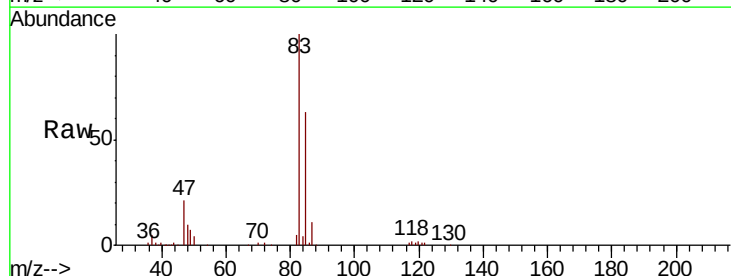
Manual Integrations
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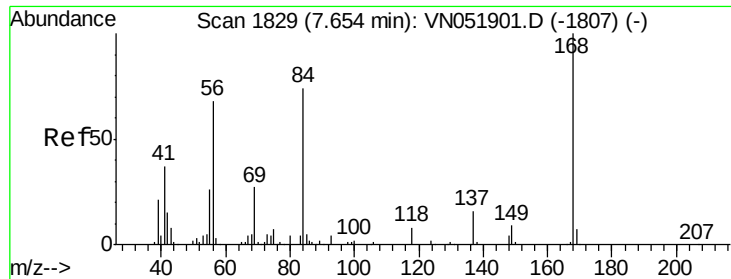
MMDadoda
10/22/2018 11:35:25 AM



#30
Chloroform
Concen: 20.549 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	53.4	80.2





#31

Cyclohexane

Concen: 19.068 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

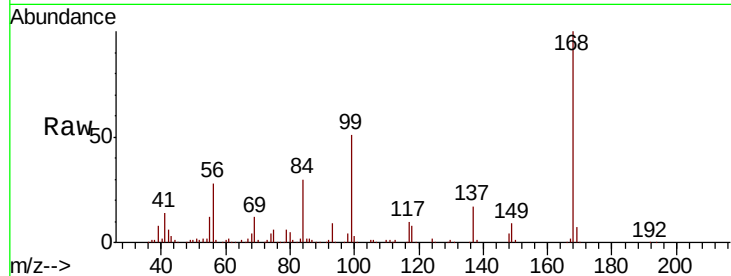
ClientSampleId :

VN1019WBSD01

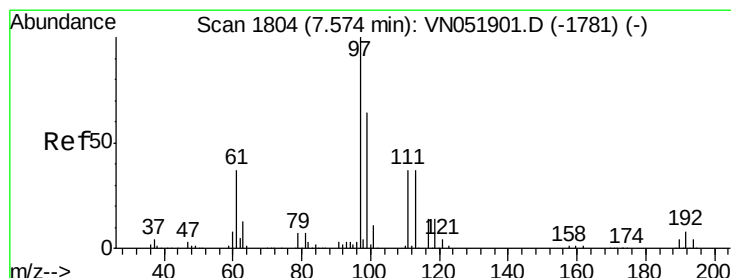
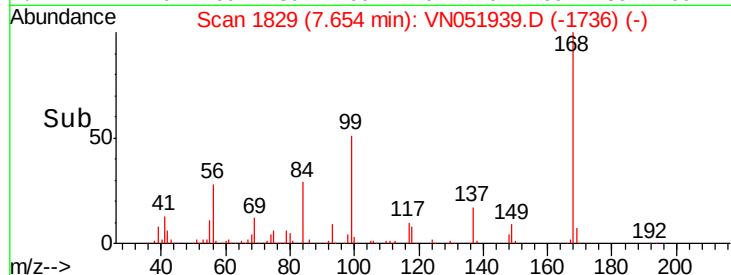
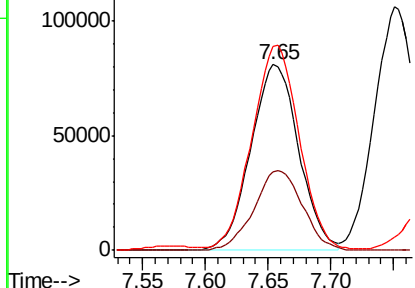
Tot Ion:	56	Resp:	216045
Ion Ratio	Lower	Upper	
56	100		
69	42.2	31.2	46.8
84	107.9	86.6	130.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.162 ug/l

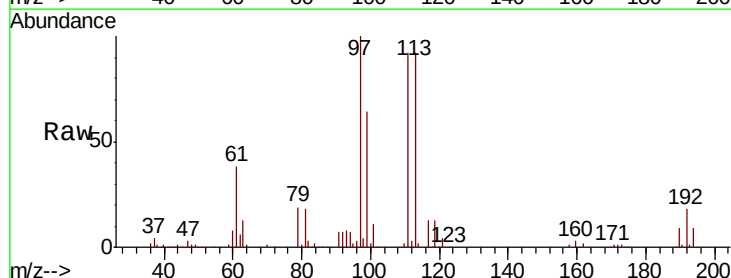
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

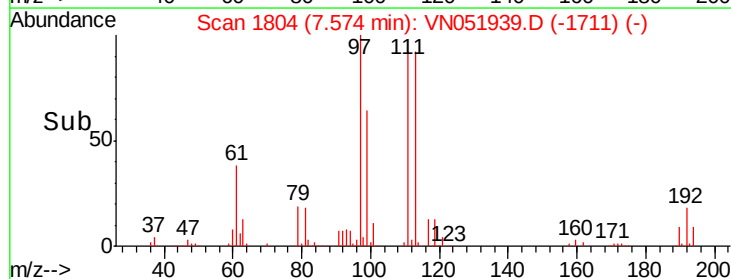
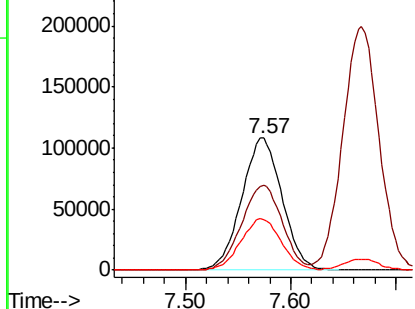
Lab File: VN051939.D

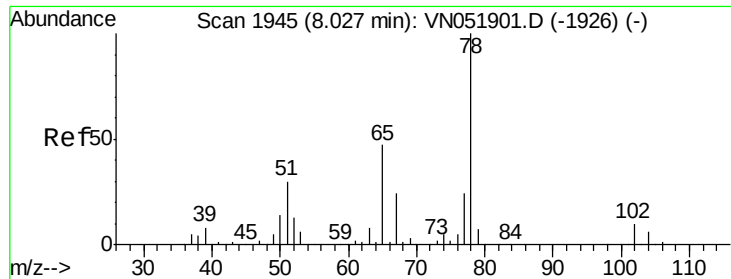
Acq: 19 Oct 2018 11:20

Tgt Ion:	97	Resp:	288722
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	38.7	29.8	44.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





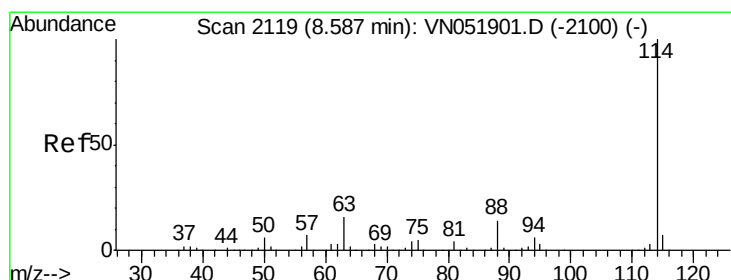
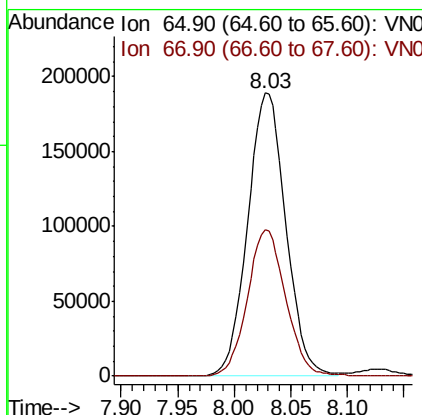
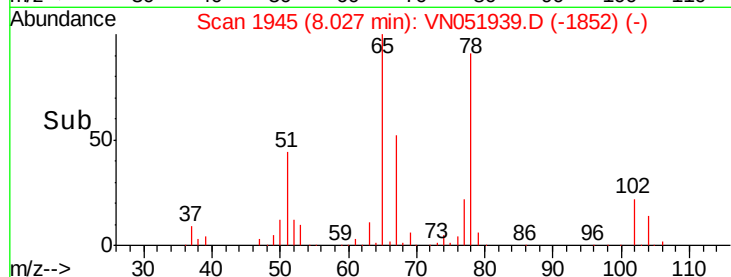
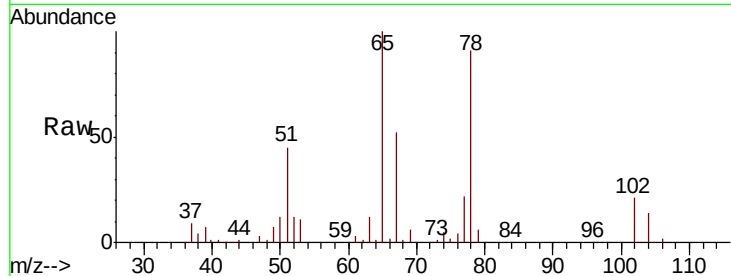
#33
 1,2-Dichloroethane-d4
 Concen: 20.162 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	443424		
67	52.0	0.0	104.0	

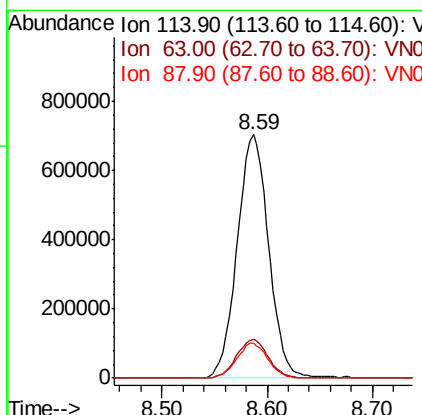
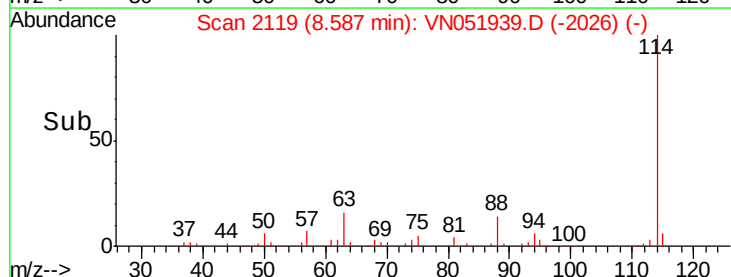
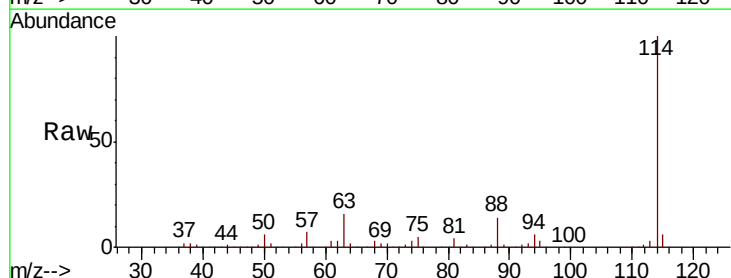
Manual Integrations
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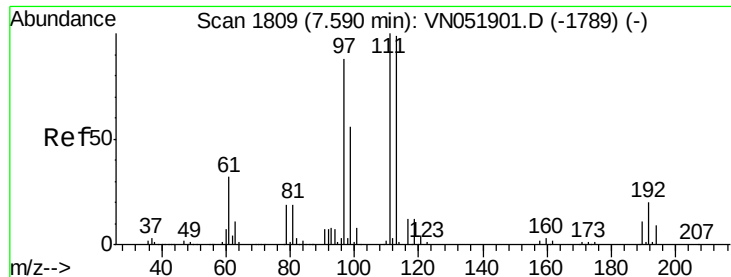
MMDadoda
 10/22/2018 11:35:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1459708		
63	16.0	0.0	31.8	
88	14.2	0.0	28.0	





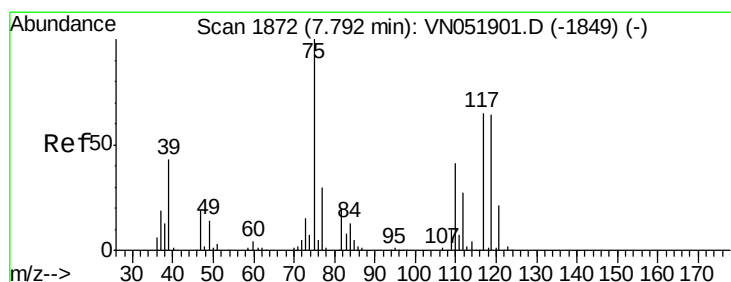
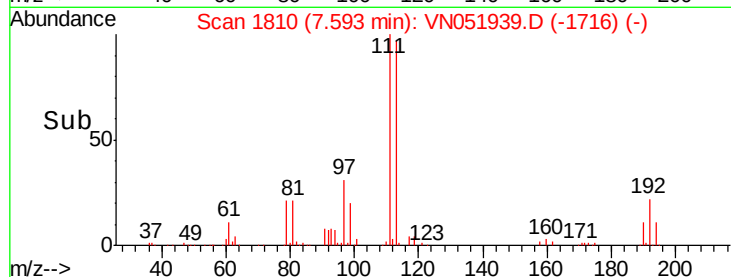
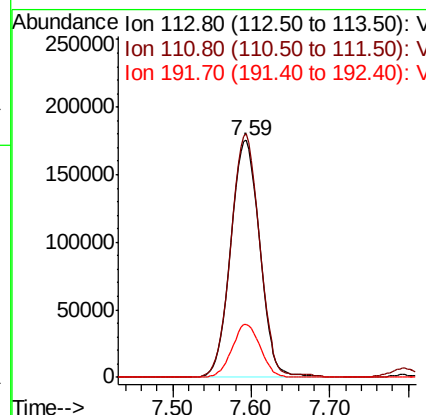
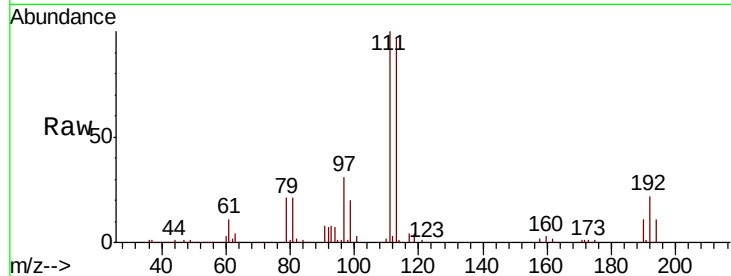
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	449194		
111	100.9	82.6	123.8	
192	21.6	17.3	25.9	

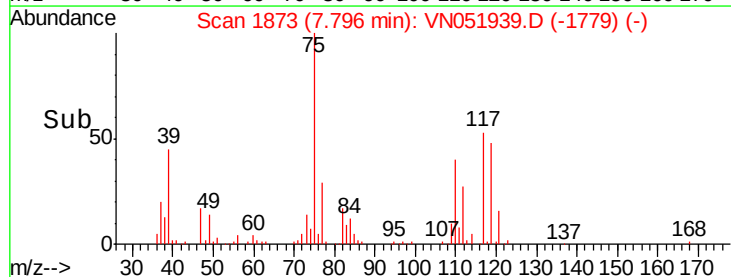
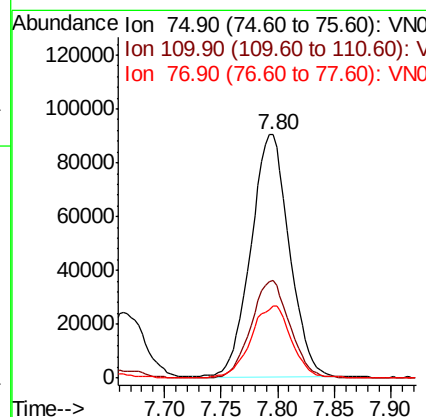
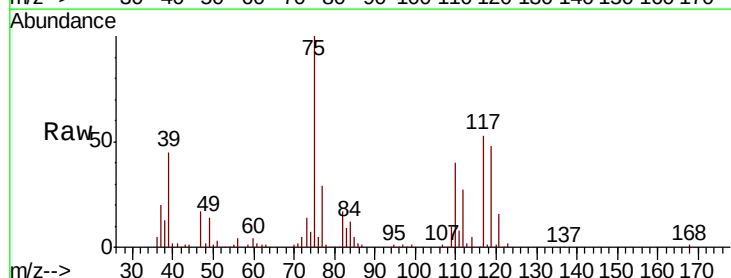
Manual Integrations
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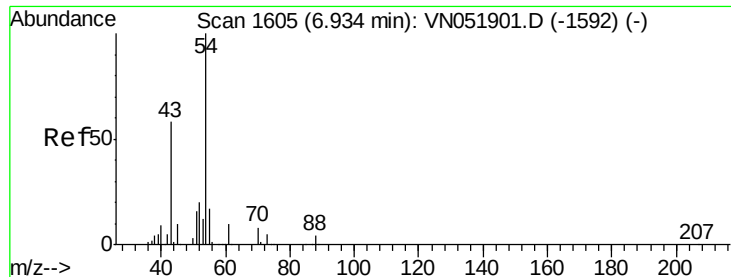
MMDadoda
 10/22/2018 11:35:25 AM



#36
 1,1-Dichloropropene
 Concen: 18.851 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213571		
110	40.5	21.0	63.0	
77	31.7	24.9	37.3	





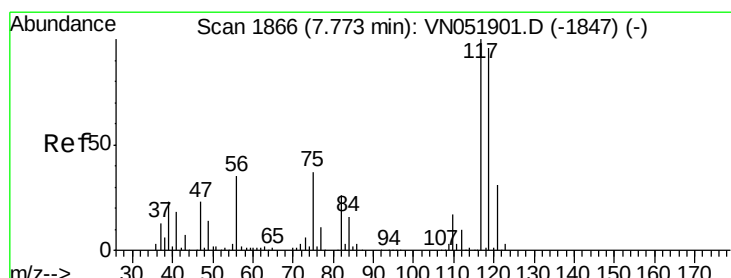
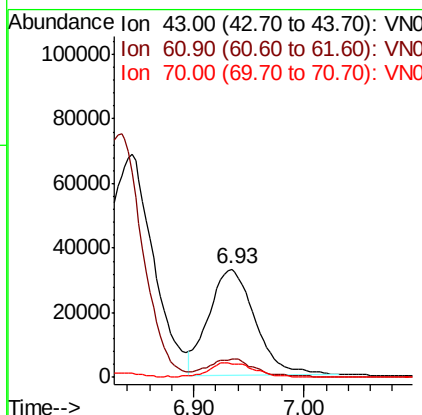
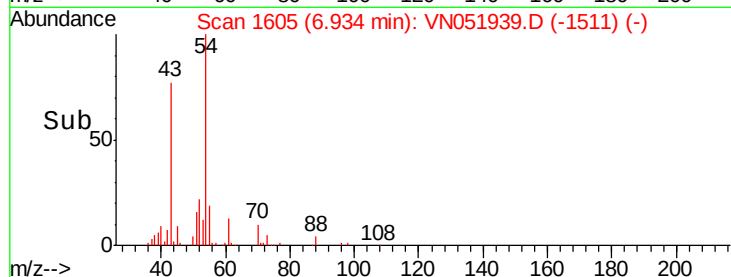
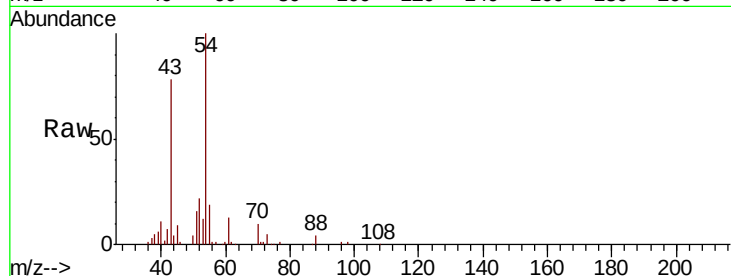
#37
Ethyl Acetate
Concen: 17.711 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	43	61	70
Resp	96743		
Ratio	100	16.5	13.1
Lower		13.0	10.4
Upper		19.6	15.6

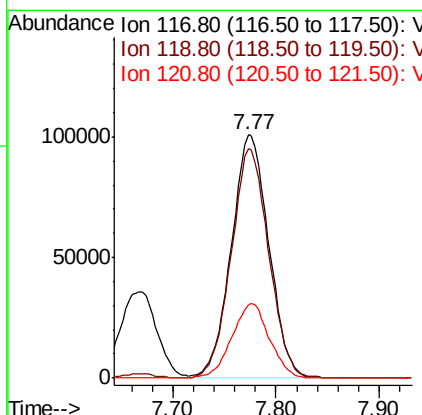
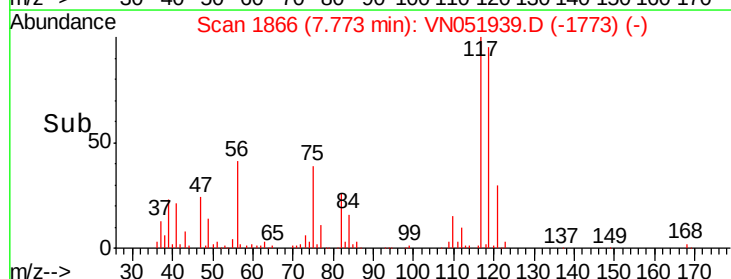
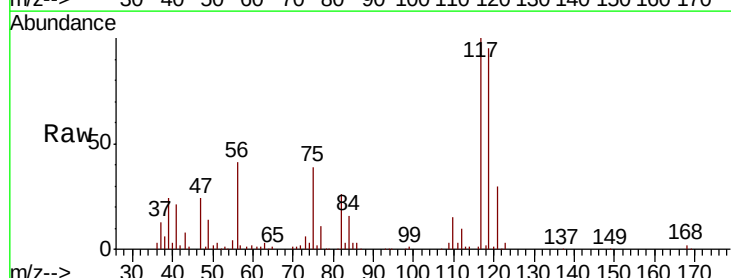
Manual Integrations
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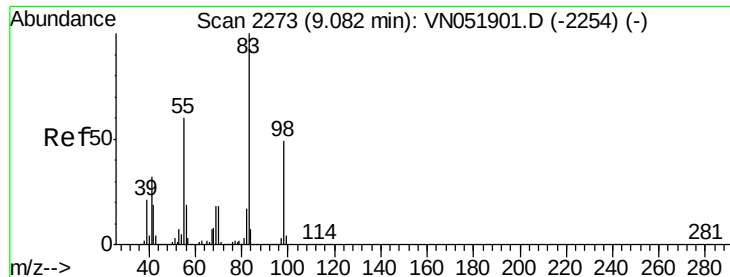
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	117	119	121
Resp	254093		
Ratio	100	94.6	30.1
Lower		77.0	25.1
Upper		115.6	37.7





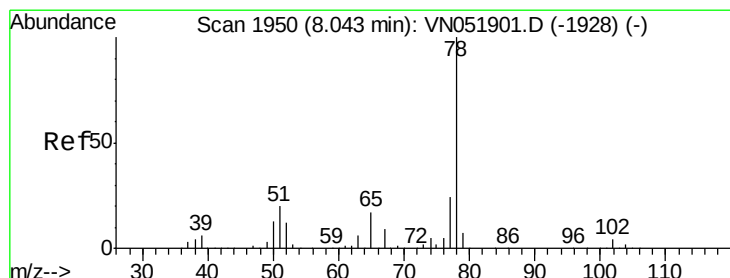
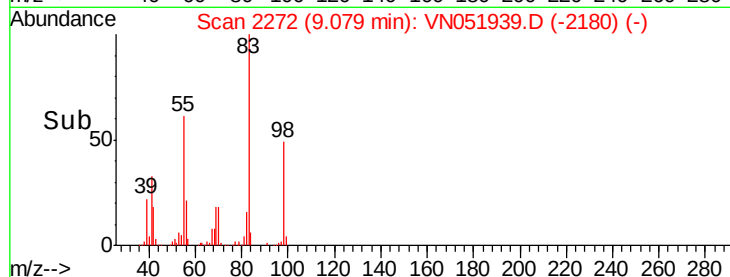
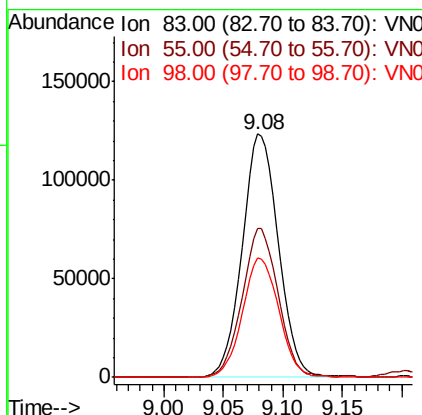
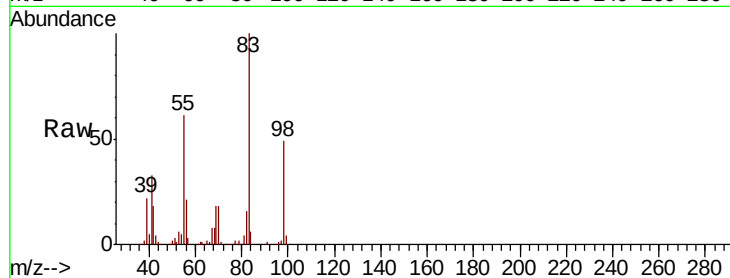
#39
Methylvlcyclohexane
Concen: 18.567 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.1	47.8	71.8
98	48.9	39.0	58.4

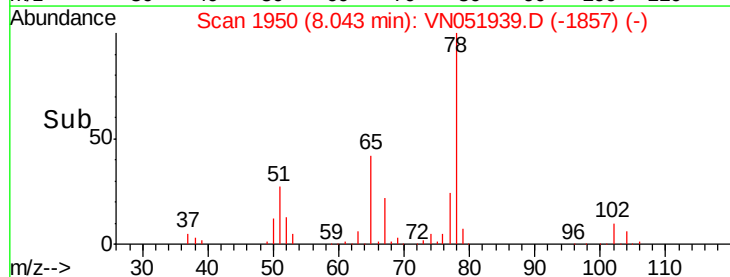
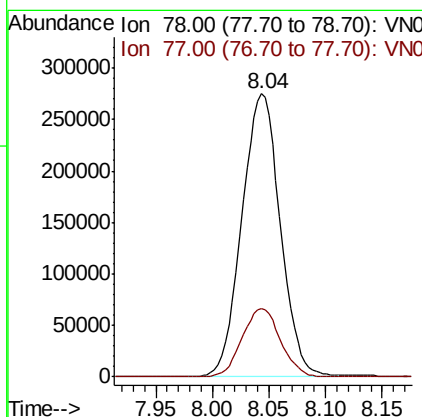
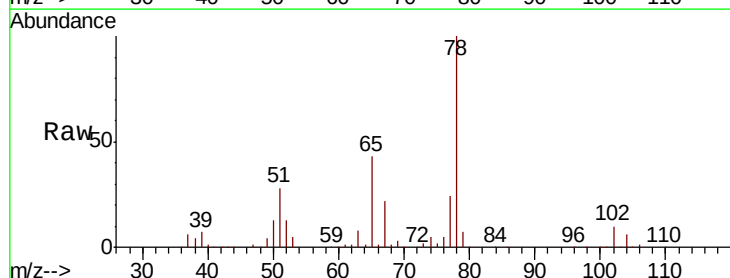
Manual Integrations
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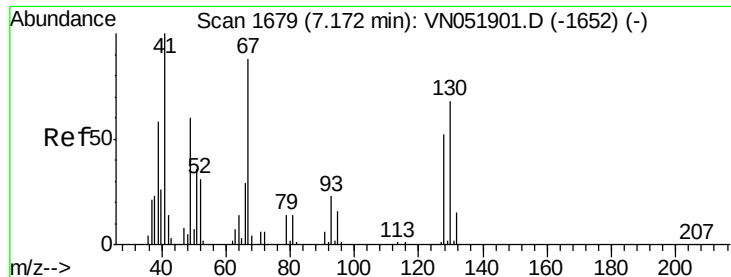
MMDadoda
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#40
Benzene
Concen: 19.651 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





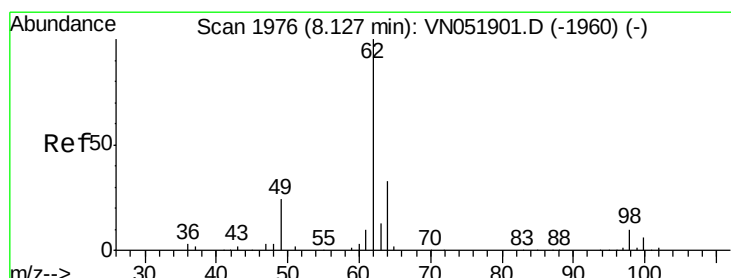
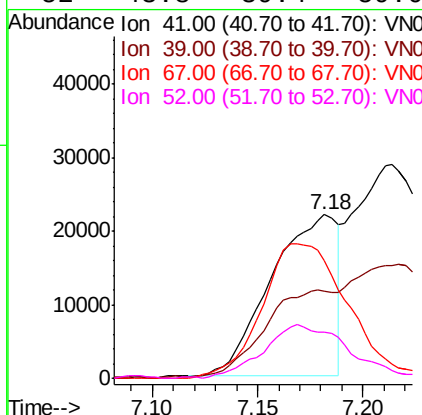
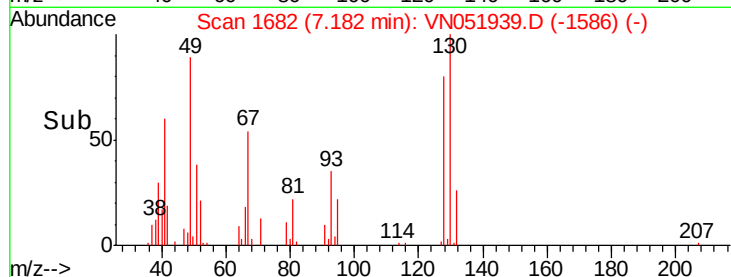
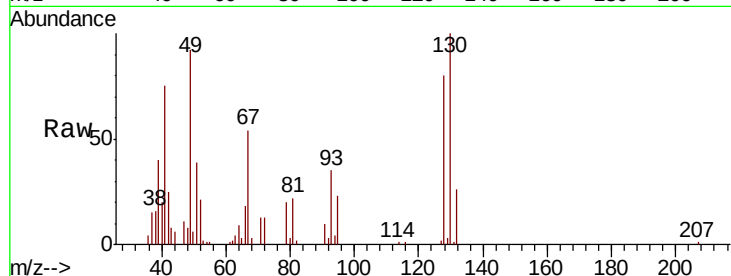
#41
Methacrylonitrile
Concen: 18.604 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	56.1	84.1#
67	108.8	106.5	159.7
52	43.8	39.4	59.0

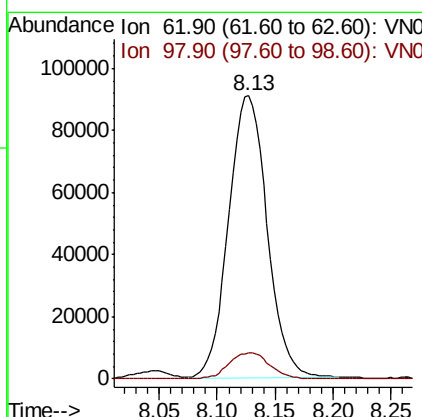
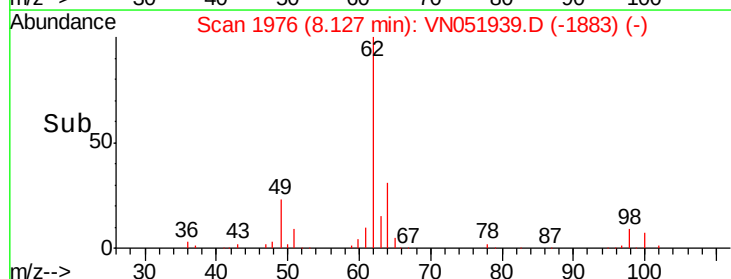
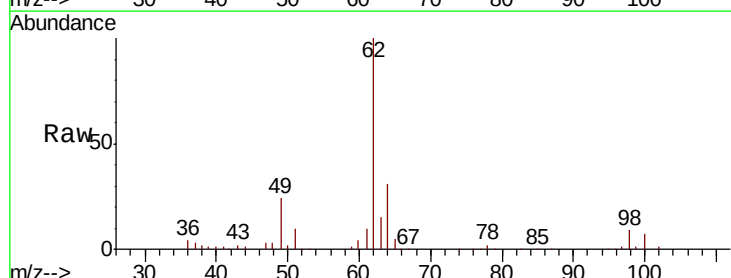
Manual Integrations
APPROVED

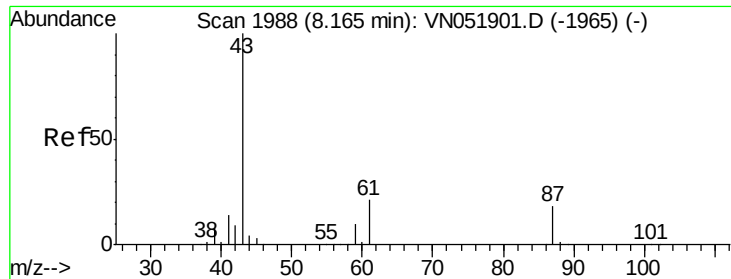
MMDadoda
10/22/2018 11:35:25 AM



#42
1,2-Dichloroethane
Concen: 19.809 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 17.048 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

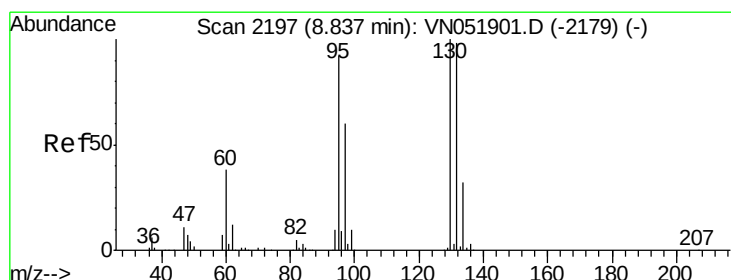
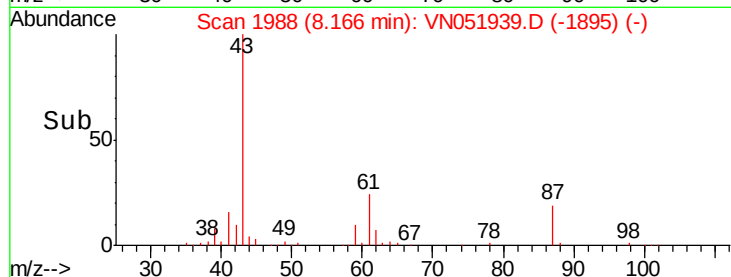
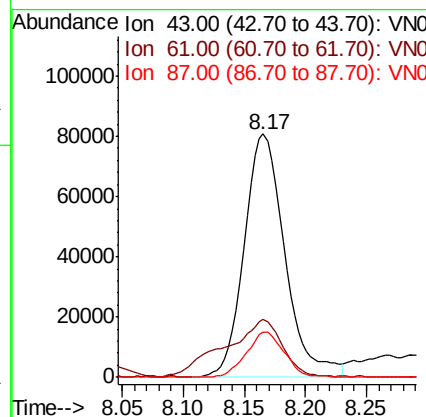
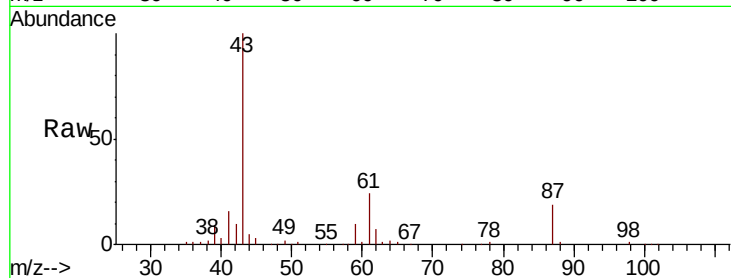
ClientSampleId :

VN1019WBSD01

Tot Ion:	43	Resp:	184705
Ion	Ratio	Lower	Upper
43	100		
61	33.3	24.9	37.3
87	17.5	14.6	22.0

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#44

Trichloroethene

Concen: 19.503 ug/l

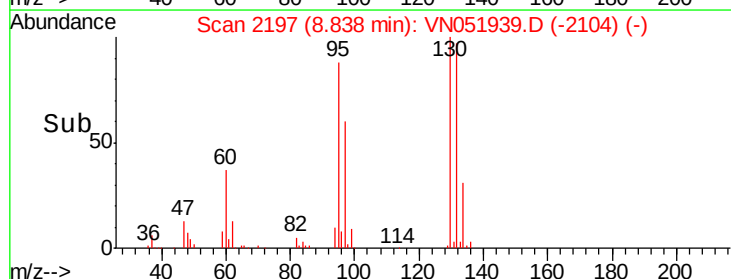
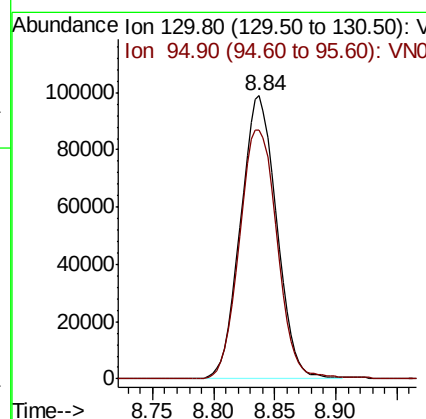
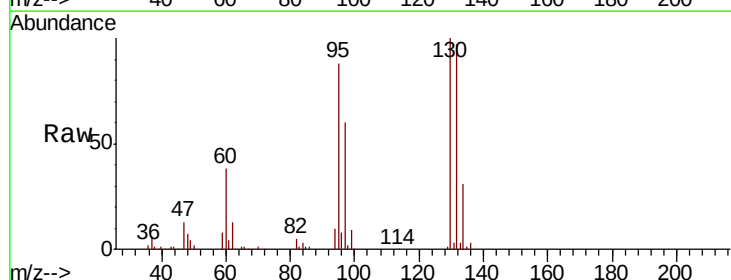
RT: 8.84 min Scan# 2197

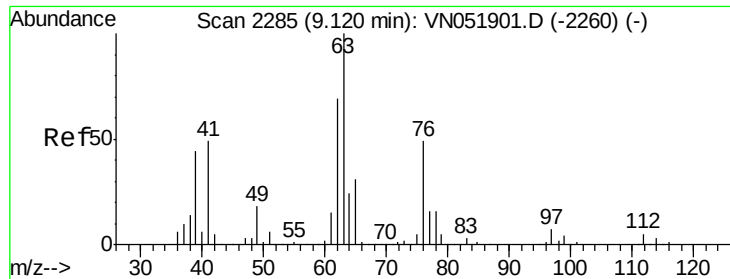
Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	130	Resp:	202562
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	183.2





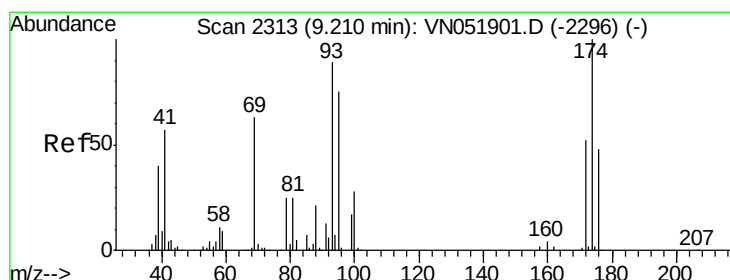
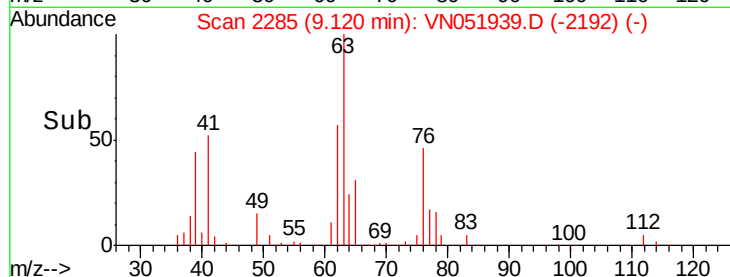
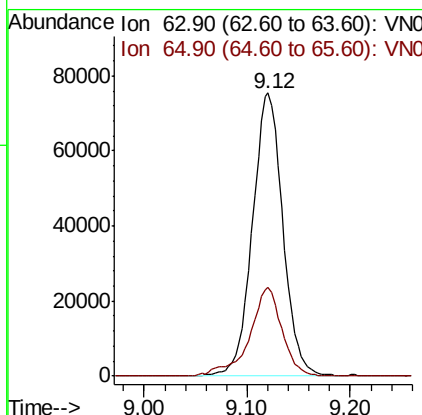
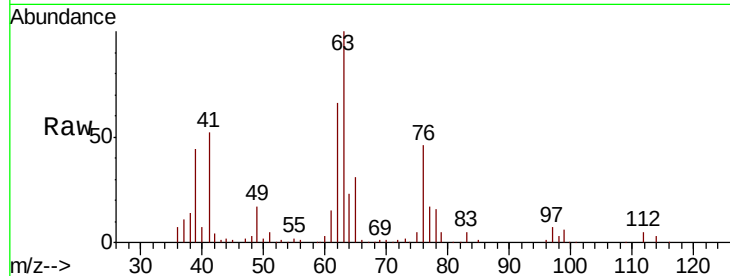
#45
 1,2-Dichloropropane
 Concen: 20.152 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion: 63 Resp: 154228
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3

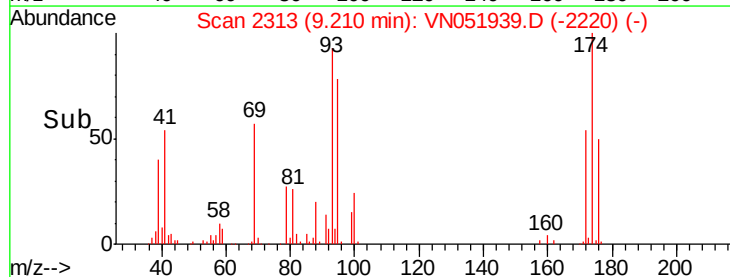
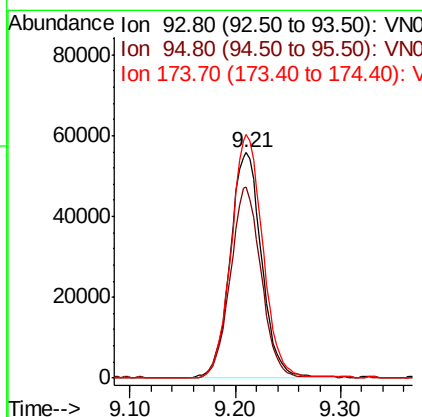
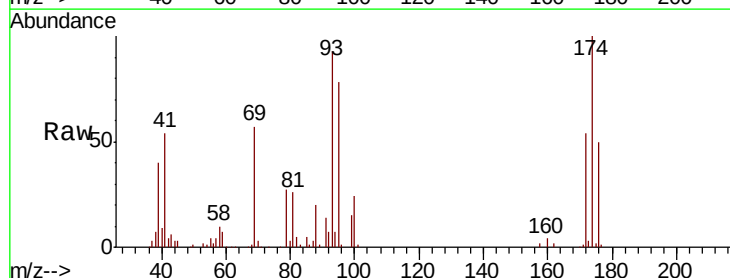
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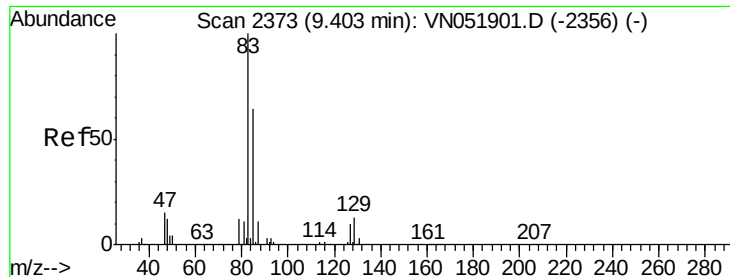
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#46
 Dibromomethane
 Concen: 19.793 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion: 93 Resp: 115463
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.8 101.6
 174 108.3 91.9 137.9





#47

Bromodichloromethane

Concen: 19.804 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

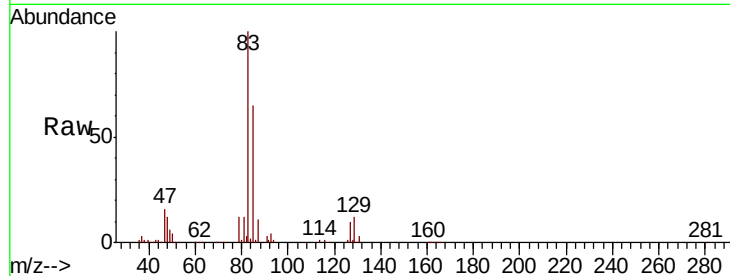
ClientSampleId :

VN1019WBSD01

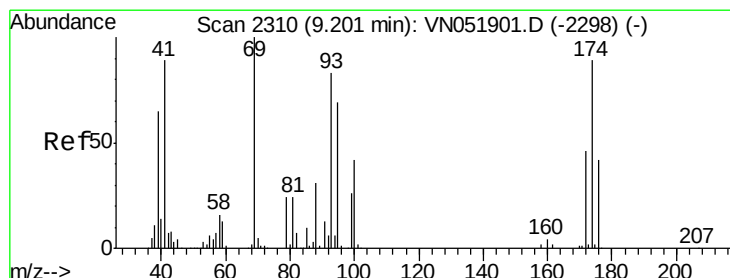
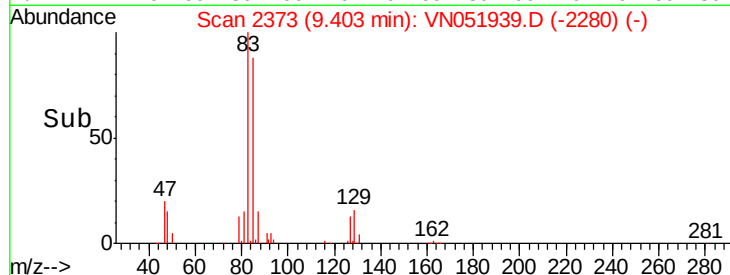
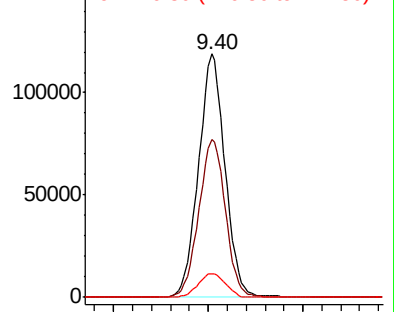
Tot Ion:	83	Resp:	231545
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	9.7	7.9	11.9

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Abundance Ion 82.90 (82.60 to 83.60): VN051939.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.561 ug/l

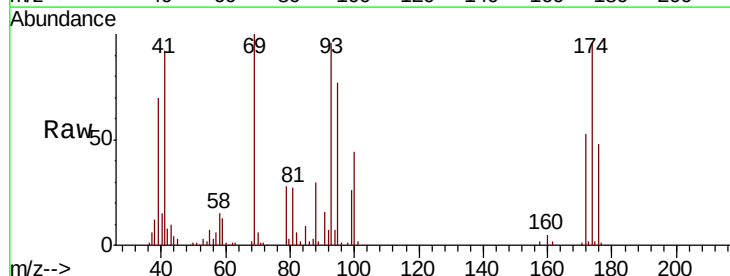
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

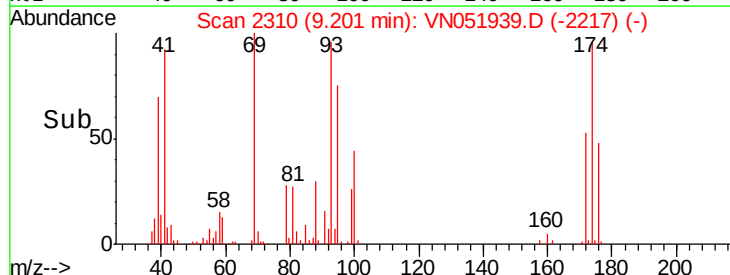
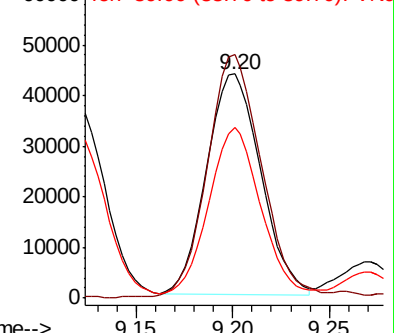
Lab File: VN051939.D

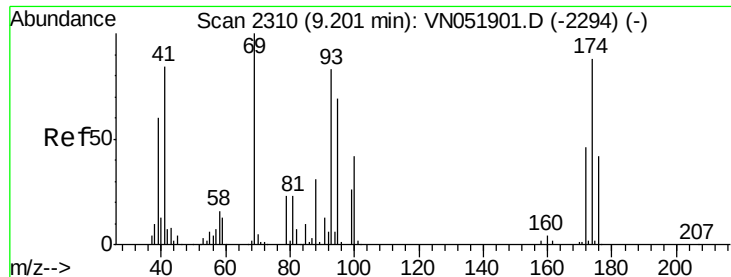
Acq: 19 Oct 2018 11:20

Tgt Ion:	41	Resp:	84889
Ion	Ratio	Lower	Upper
41	100		
69	109.4	90.2	135.2
39	73.9	59.7	89.5



Abundance Ion 41.00 (40.70 to 41.70): VN051939.D (-2217) (-)





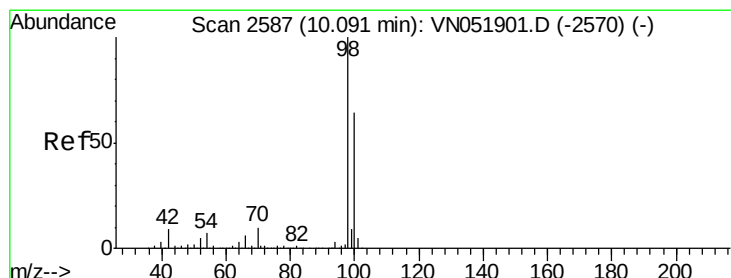
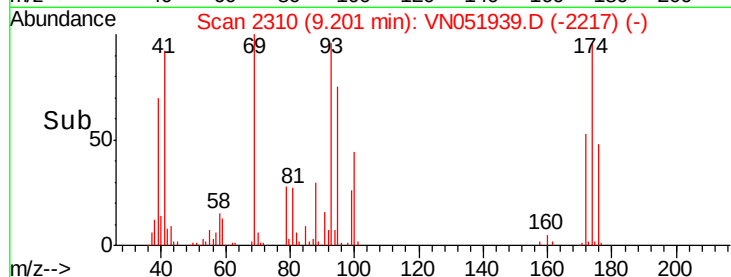
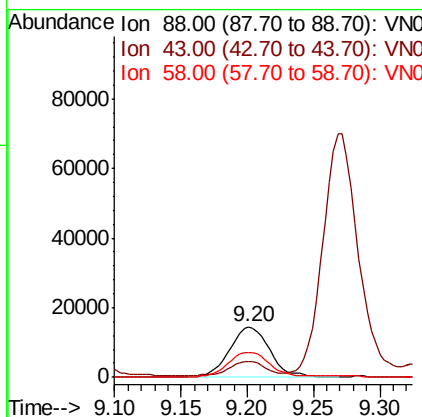
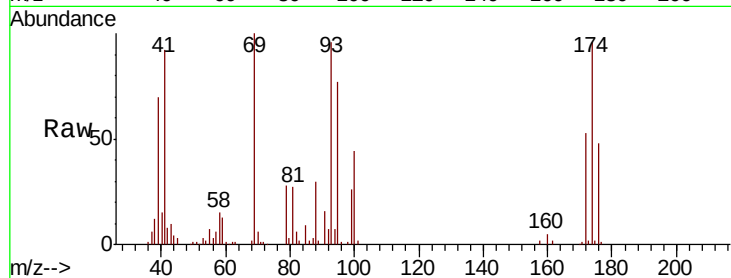
#49
1,4-Dioxane
Concen: 351.740 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.8	19.7	29.5
58	52.3	42.6	64.0

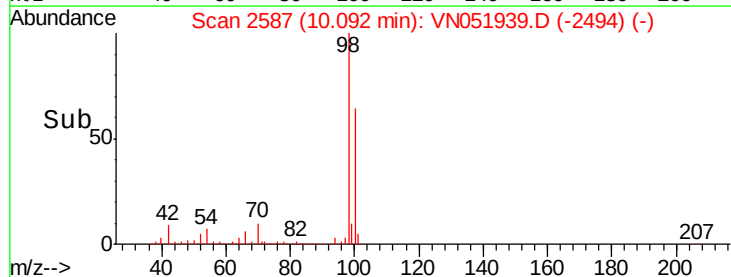
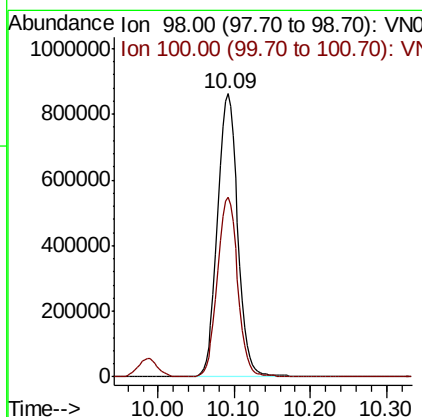
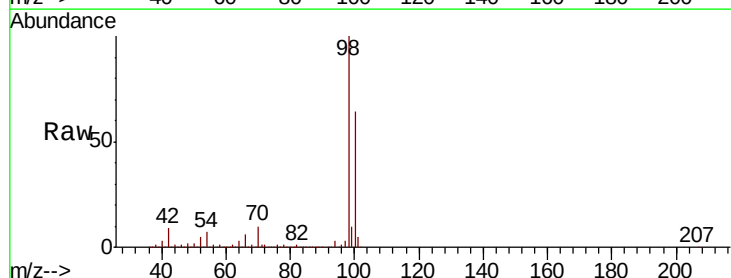
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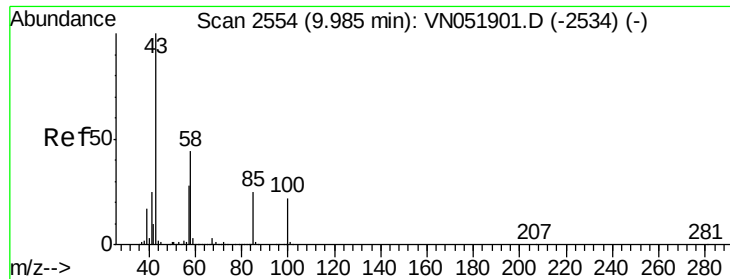
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#50
Toluene-d8
Concen: 351.740 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 90.651 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 43 Resp: 478103

Ion Ratio Lower Upper

43 100

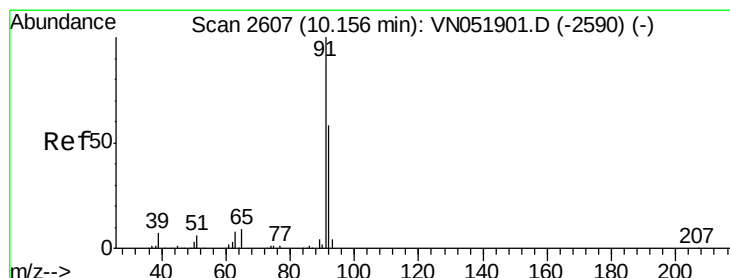
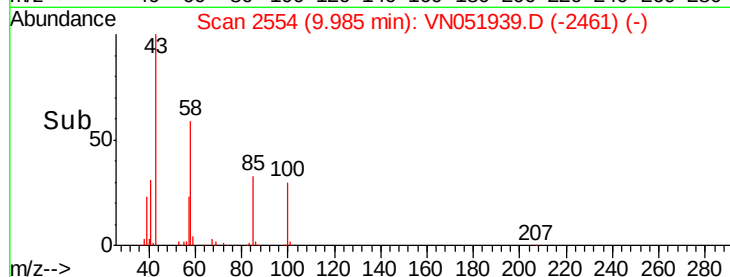
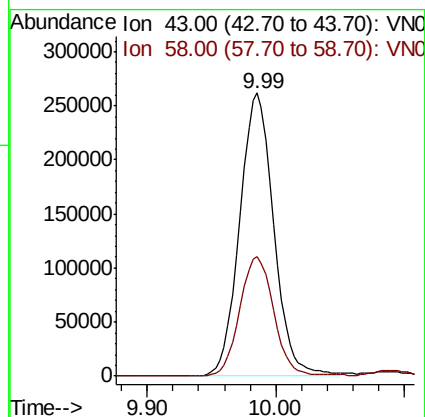
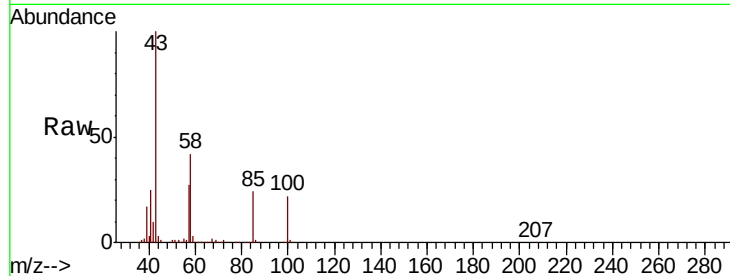
58 42.5 34.6 52.0

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#52

Toluene

Concen: 19.452 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051939.D

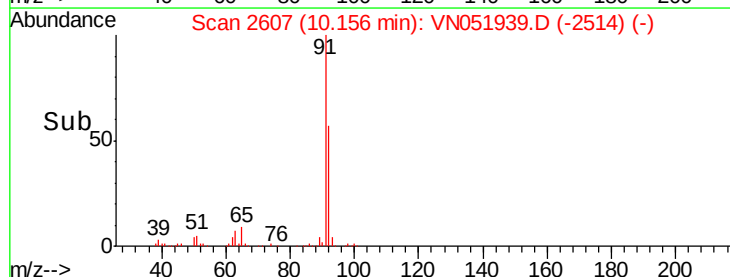
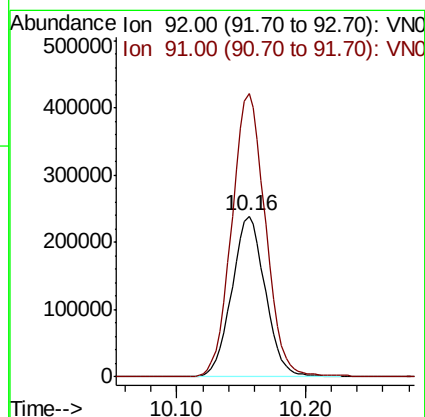
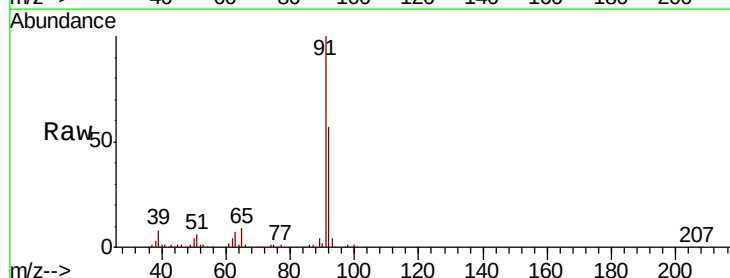
Acq: 19 Oct 2018 11:20

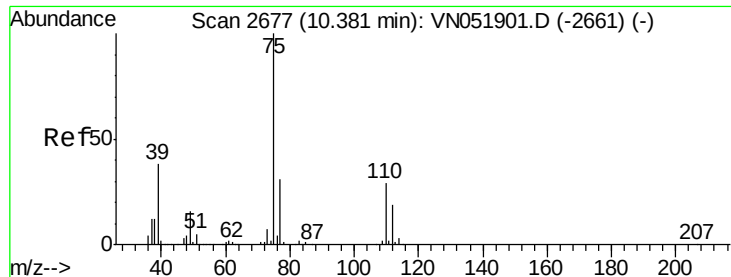
Tgt Ion: 92 Resp: 430673

Ion Ratio Lower Upper

92 100

91 177.9 139.8 209.6





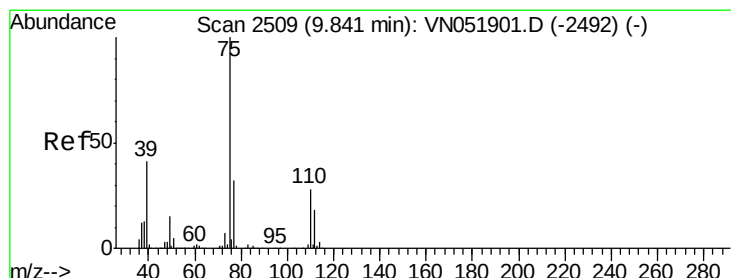
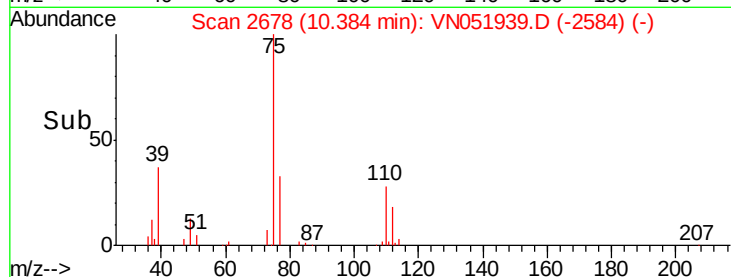
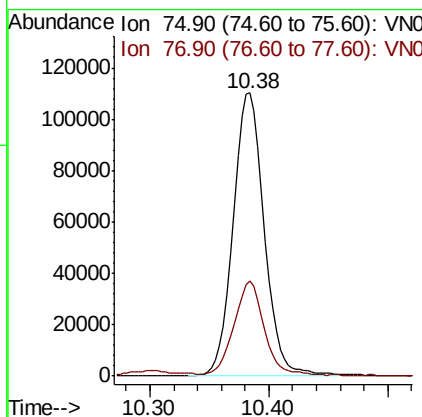
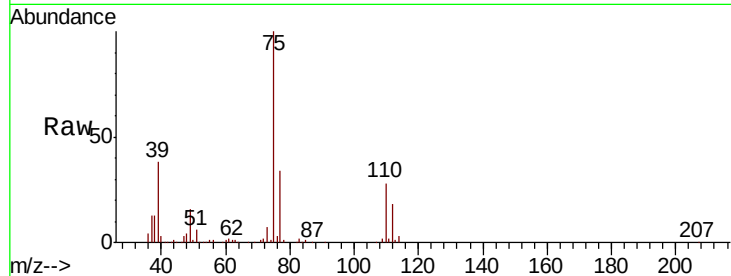
#53
t-1,3-Dichloropropene
Concen: 18.040 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion: 75 Resp: 199879
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.0

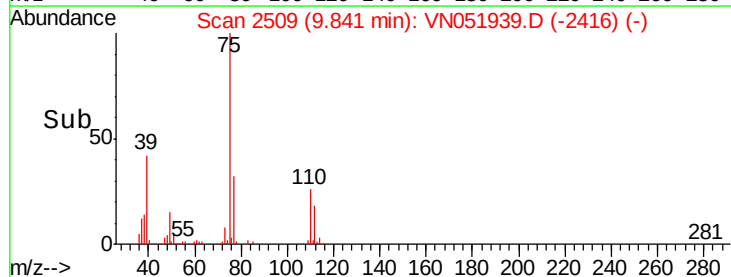
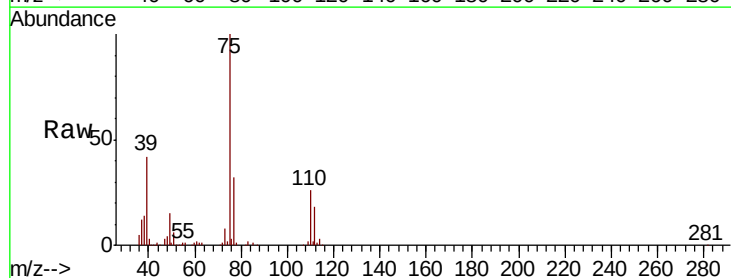
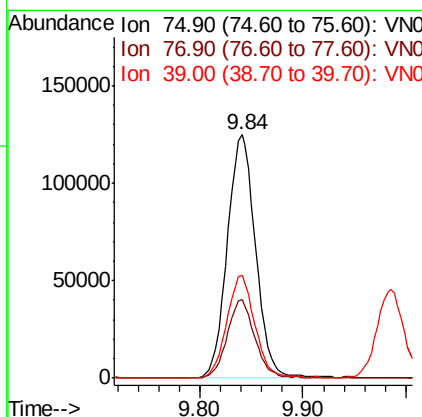
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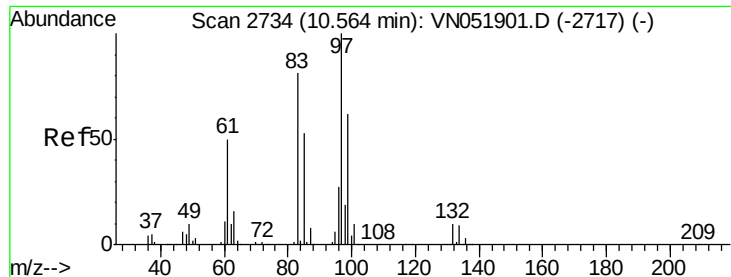
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.379 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 75 Resp: 239425
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 41.8 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 19.627 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

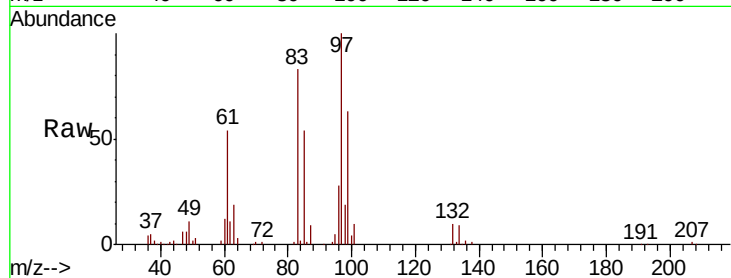
ClientSampleId :

VN1019WBSD01

Tot Ion:	97	Resp:	159220
Ion	Ratio	Lower	Upper
97	100		
83	83.3	64.6	96.8
85	53.5	42.3	63.5
99	62.6	49.7	74.5

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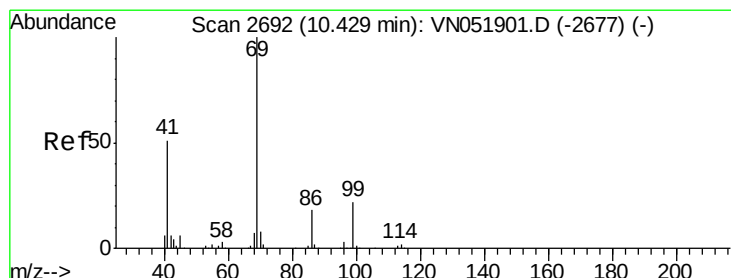
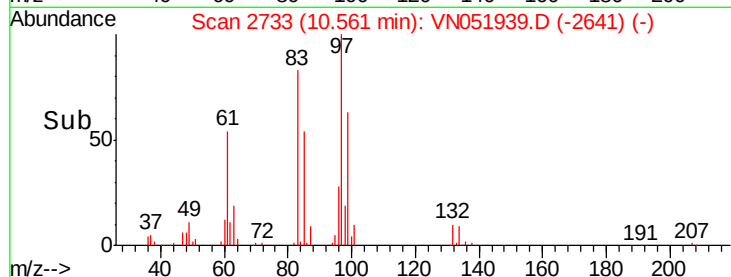
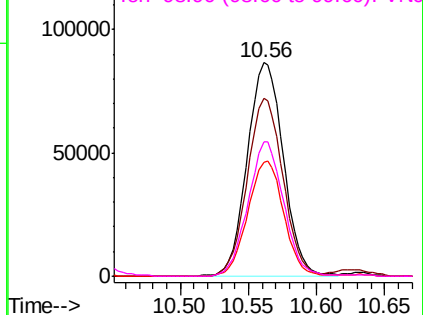


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.996 ug/l

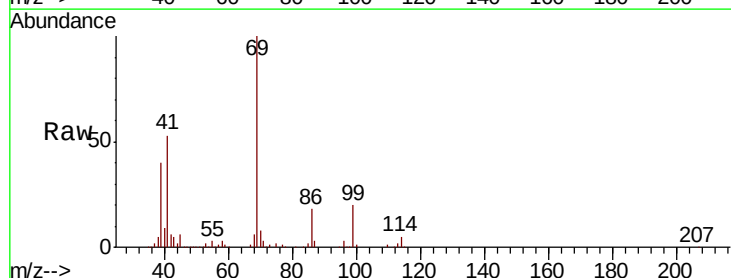
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

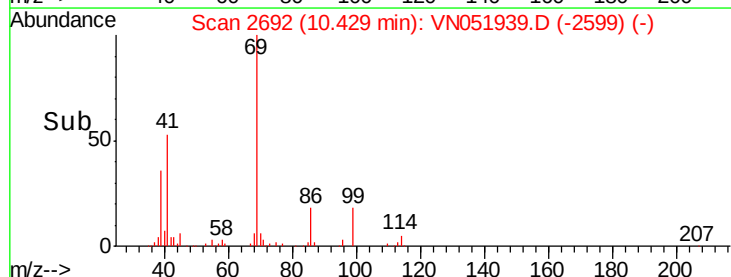
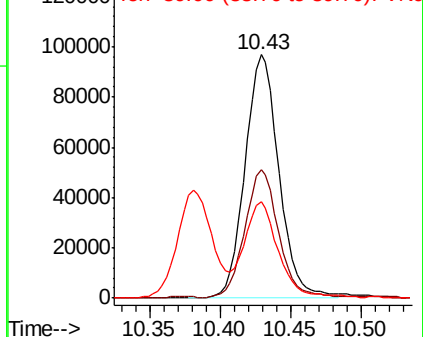
Tgt Ion:	69	Resp:	163216
Ion	Ratio	Lower	Upper
69	100		
41	52.2	40.6	61.0
39	39.3	29.4	44.0

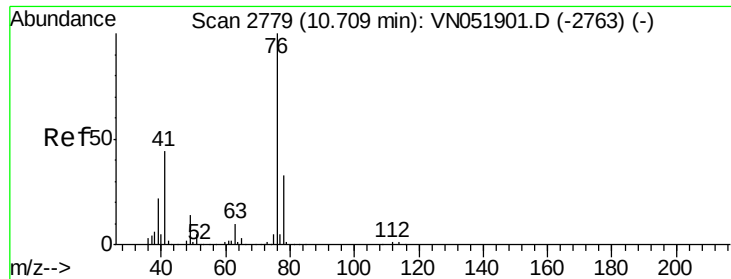


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.616 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 76 Resp: 242298

Ion Ratio Lower Upper

76 100

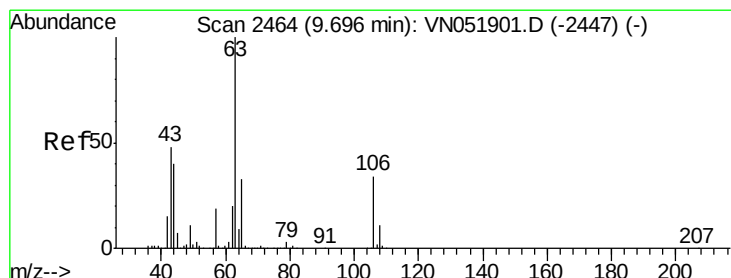
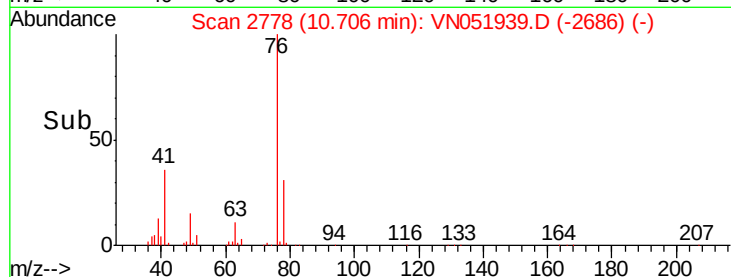
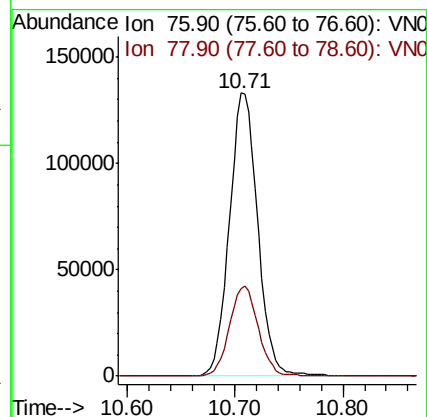
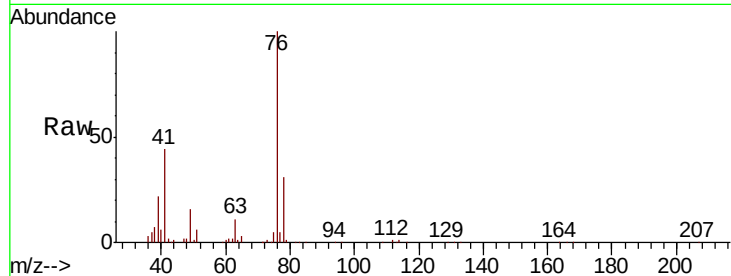
78 32.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 85.055 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051939.D

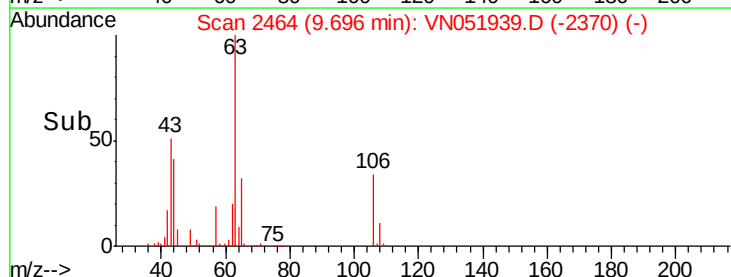
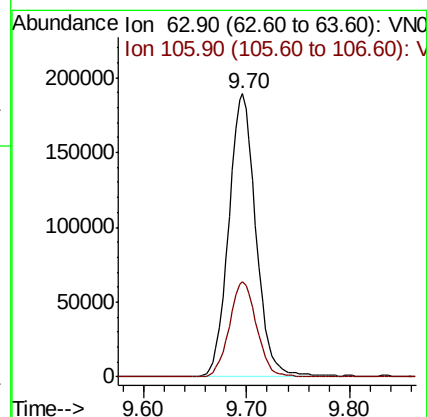
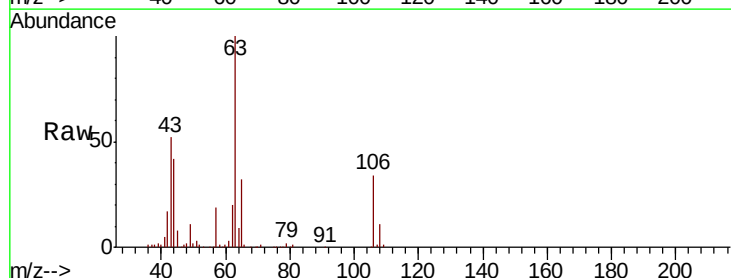
Acq: 19 Oct 2018 11:20

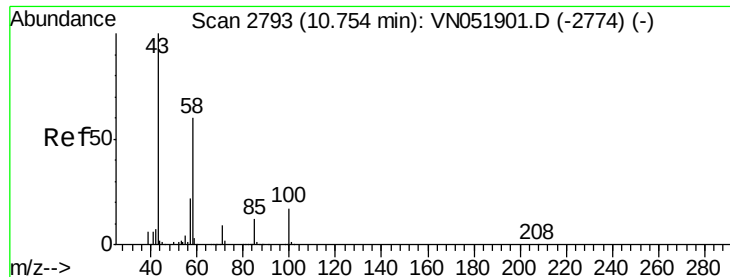
Tgt Ion: 63 Resp: 347442

Ion Ratio Lower Upper

63 100

106 33.9 27.5 41.3





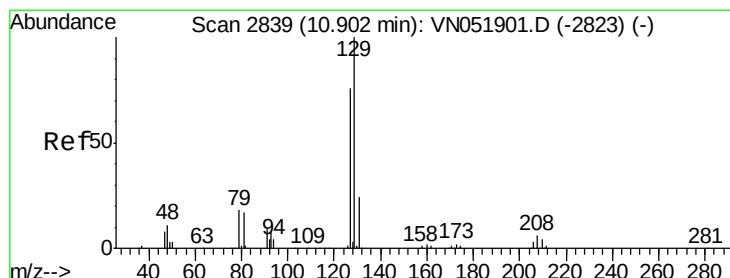
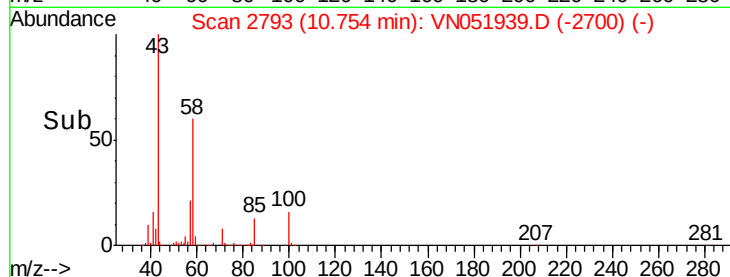
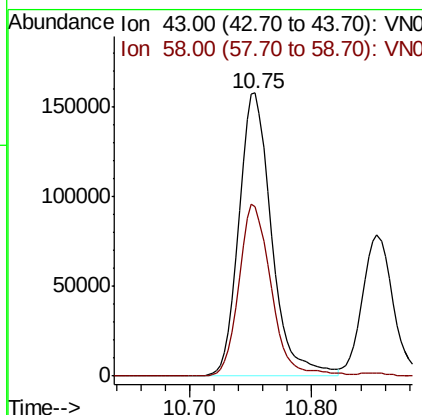
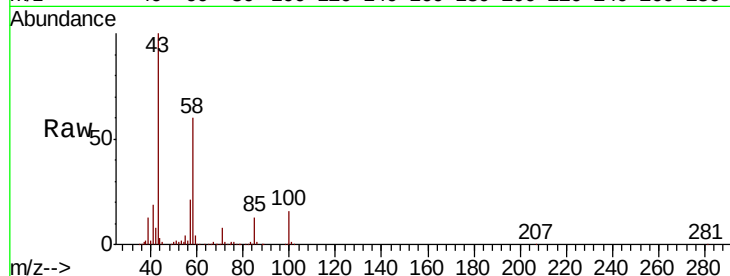
#59
2-Hexanone
Concen: 82.352 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	29.8	89.5

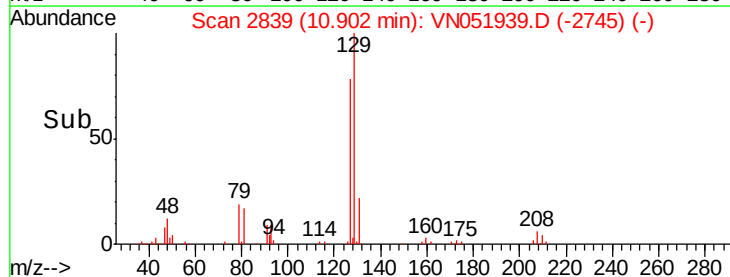
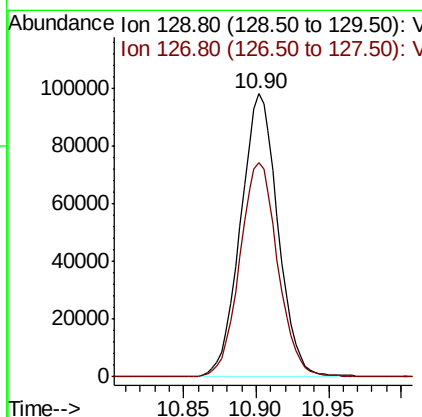
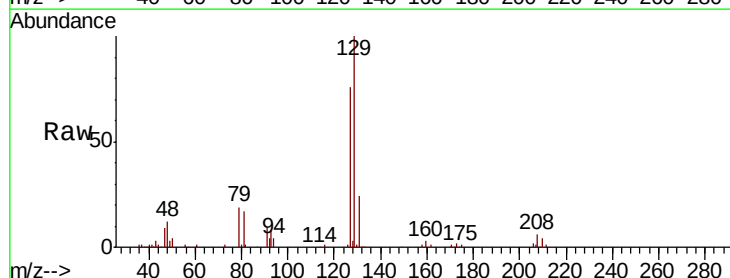
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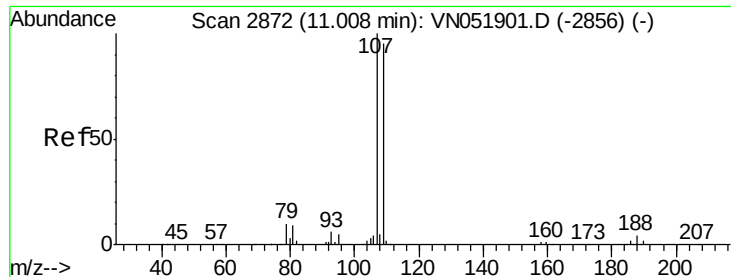
MMDadoda
10/22/2018 11:35:25 AM



#60
Dibromochloromethane
Concen: 17.588 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.3	114.8





#61

1,2-Dibromoethane

Concen: 18.498 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 107 Resp: 157396

Ion Ratio Lower Upper

107 100

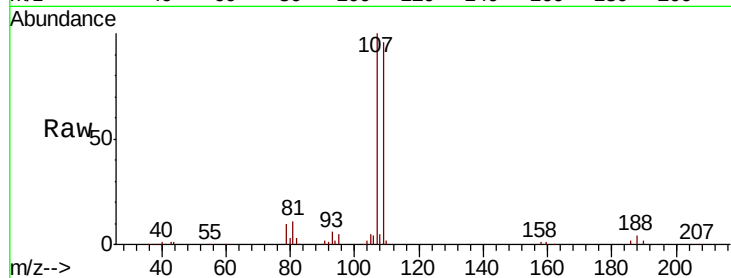
109 94.5 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

80000

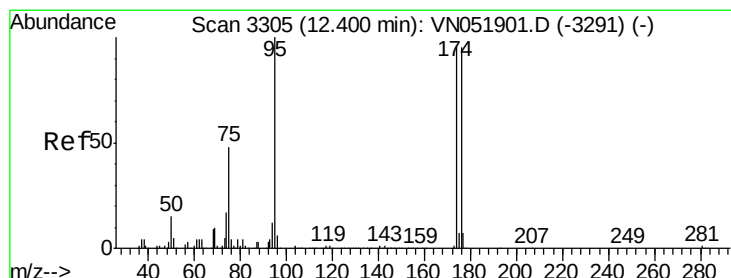
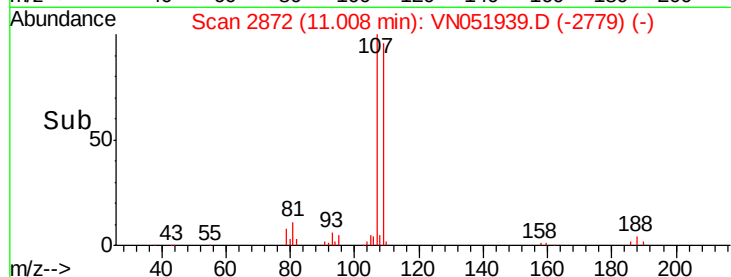
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 18.498 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

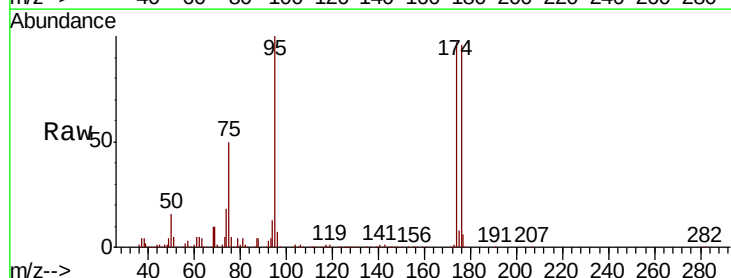
Tgt Ion: 95 Resp: 493741

Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.0

176 94.2 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

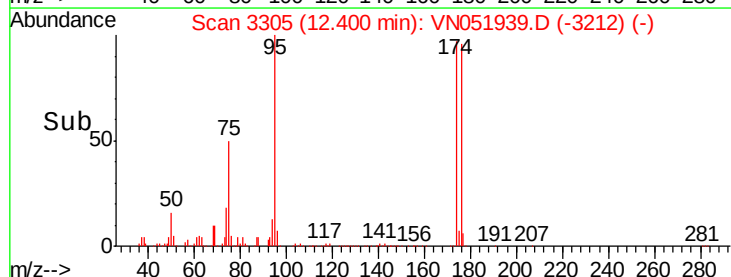
300000

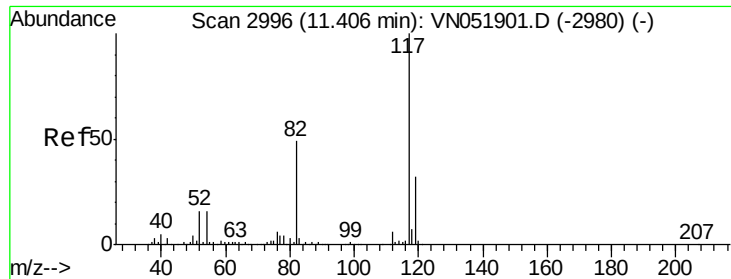
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





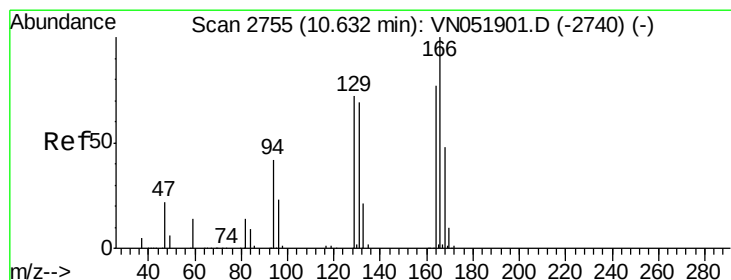
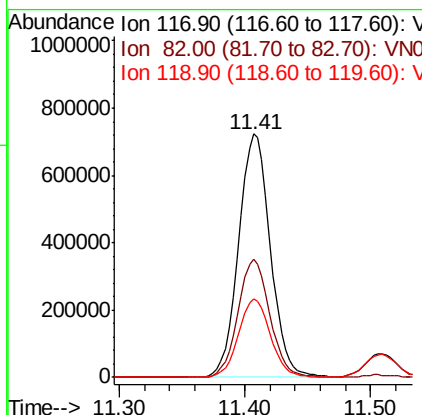
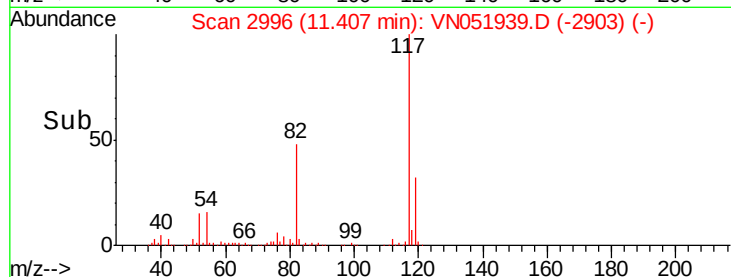
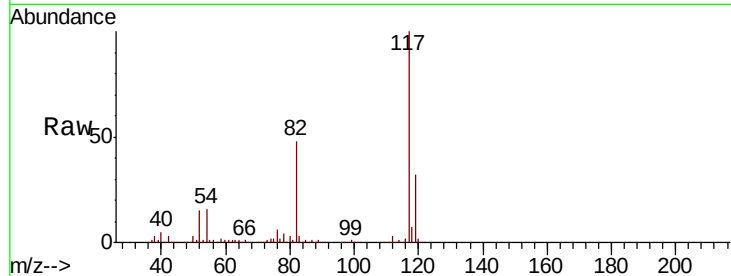
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	38.9	58.3
119	32.3	25.9	38.9

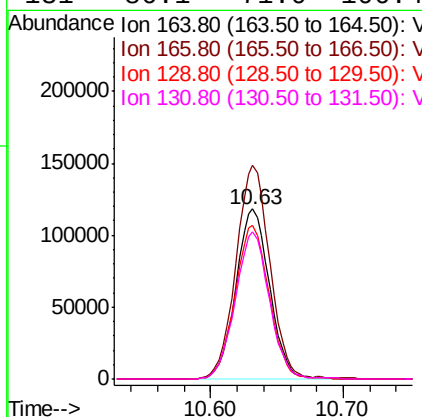
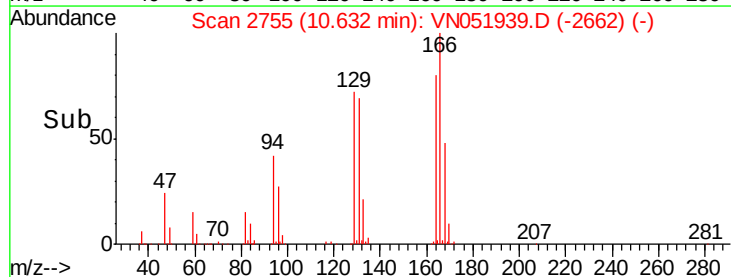
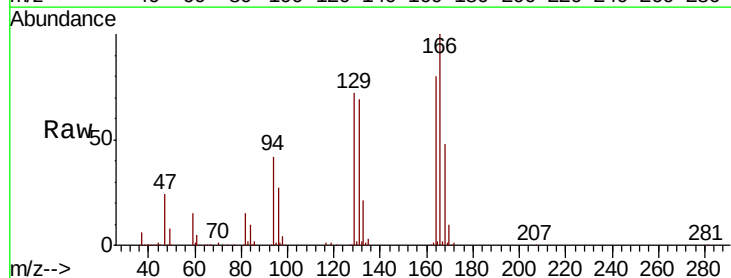
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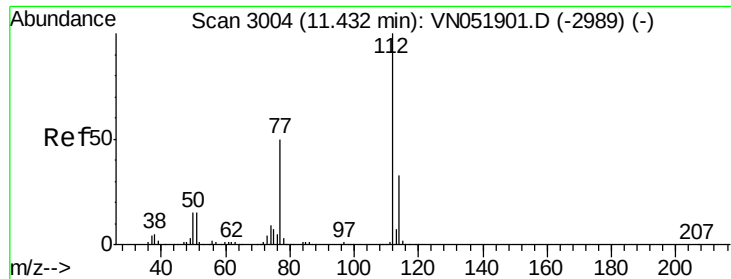
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#64
Tetrachloroethene
Concen: 20.401 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.4	155.0
129	90.0	73.9	110.9
131	86.1	71.0	106.4





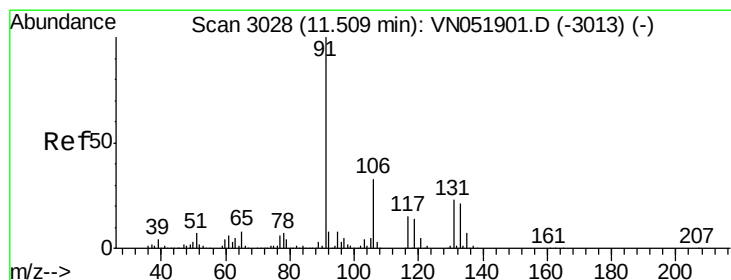
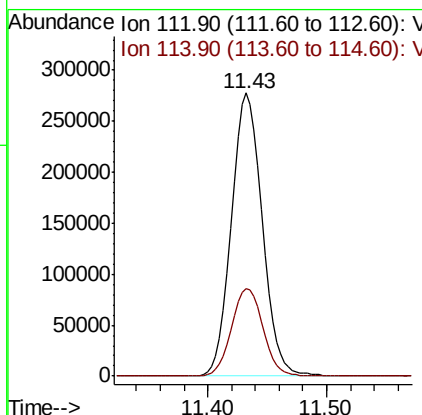
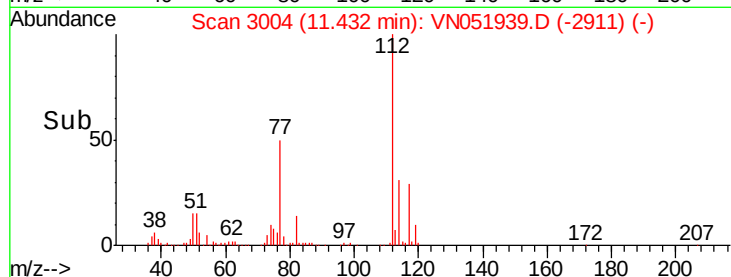
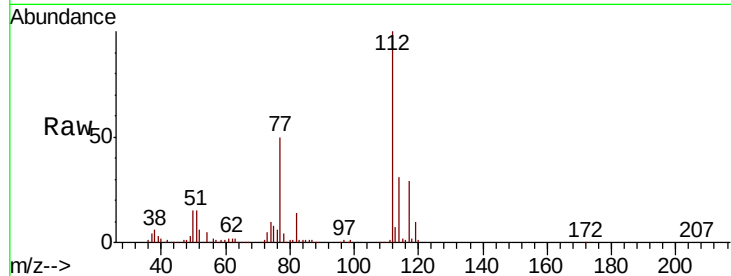
#65
Chlorobenzene
Concen: 19.624 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion:112 Resp: 500017
Ion Ratio Lower Upper
112 100
114 30.9 26.4 39.6

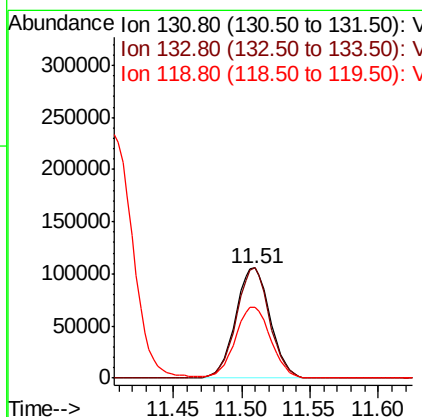
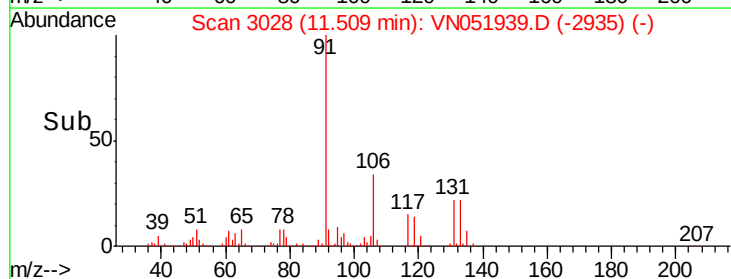
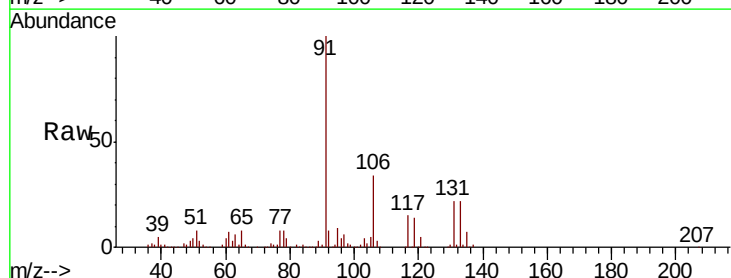
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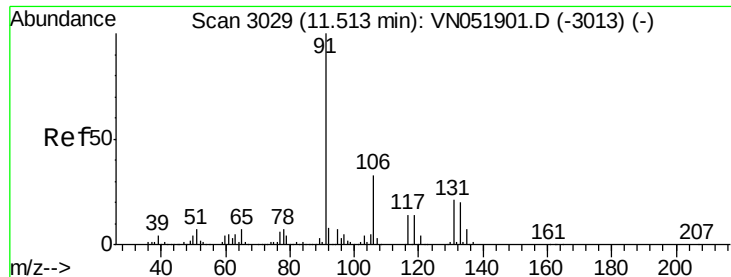
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.643 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion:131 Resp: 186299
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 65.9 32.1 96.5





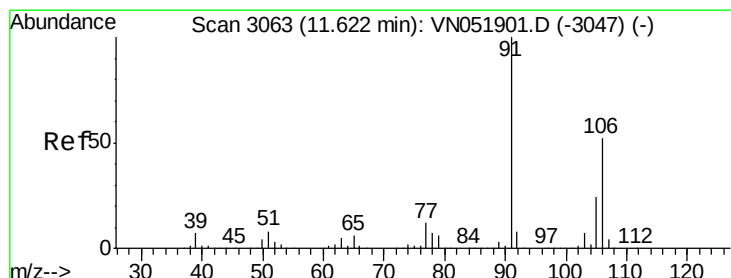
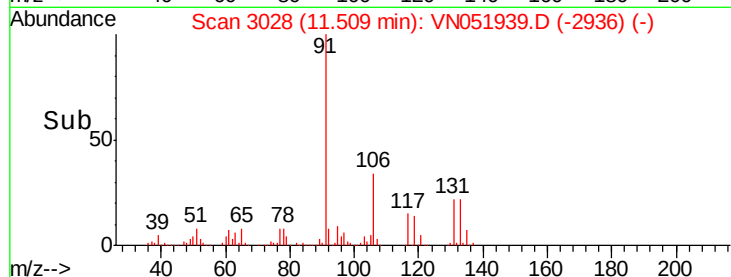
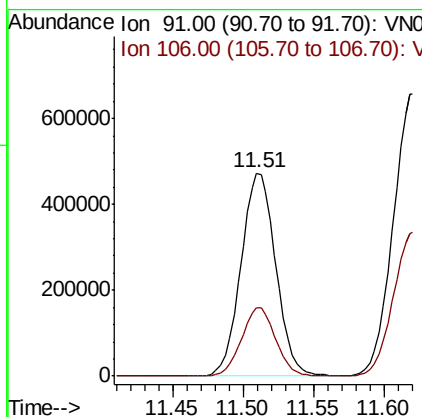
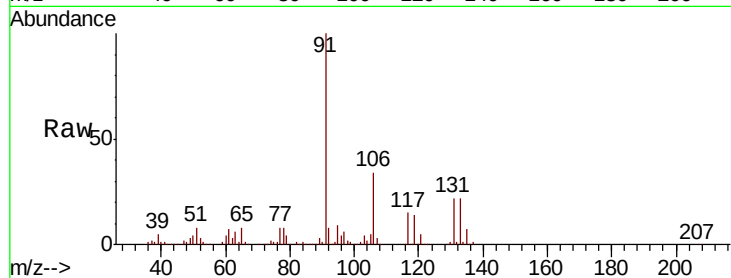
#67
Ethyl Benzene
Concen: 19.565 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion: 91 Resp: 816680
Ion Ratio Lower Upper
91 100
106 33.9 26.6 39.8

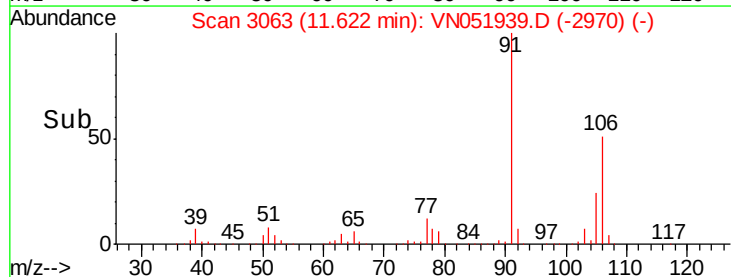
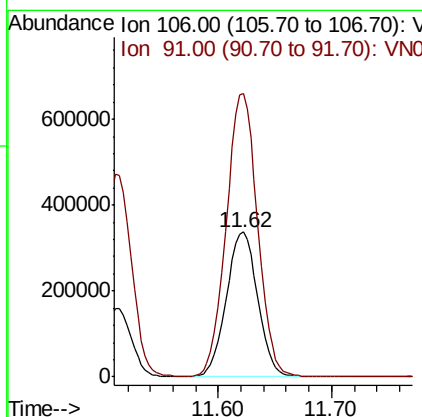
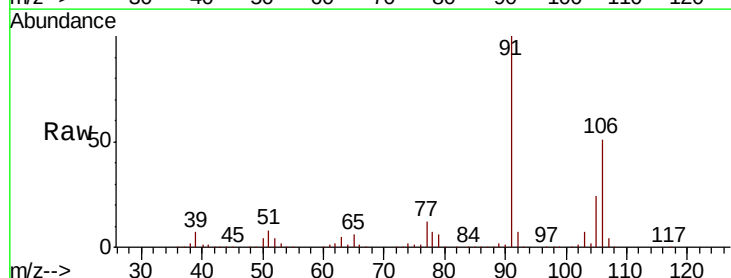
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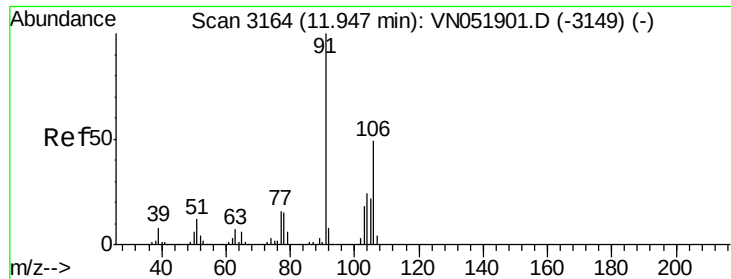
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#68
m/p-Xylenes
Concen: 38.786 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion: 106 Resp: 650067
Ion Ratio Lower Upper
106 100
91 195.3 153.6 230.4





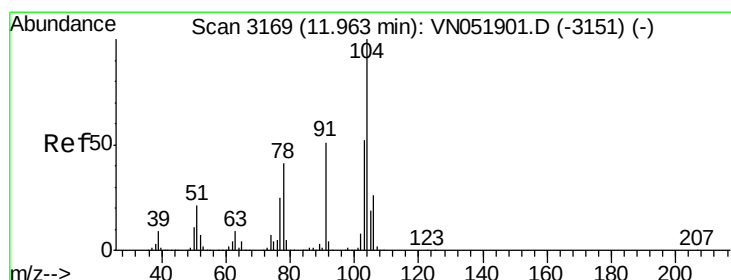
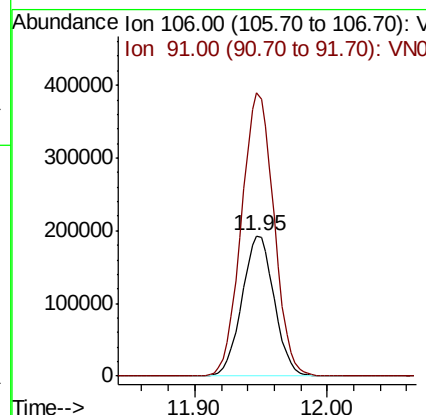
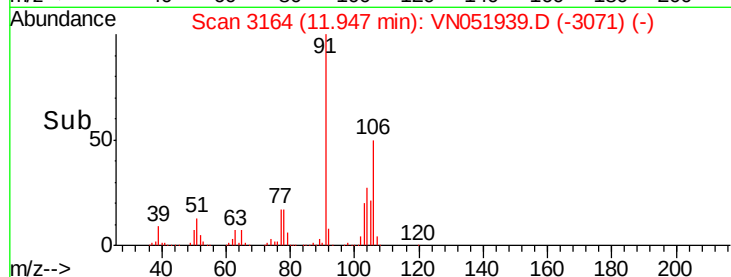
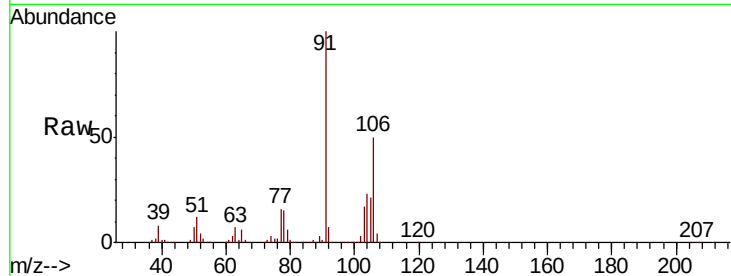
#69
o-Xylene
Concen: 19.901 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion:106 Resp: 325046
Ion Ratio Lower Upper
106 100
91 204.0 100.7 302.1

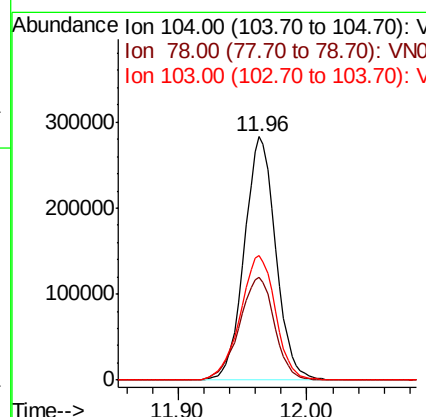
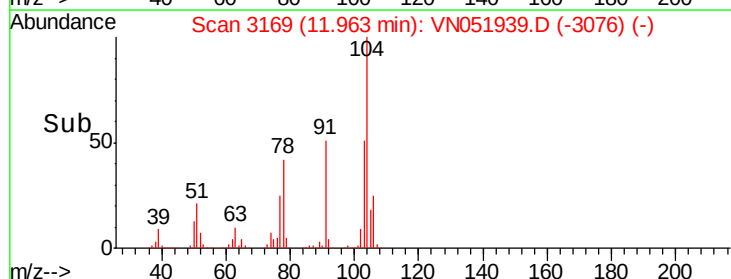
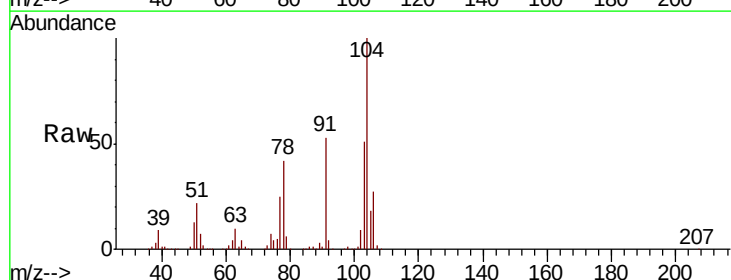
Manual Integrations
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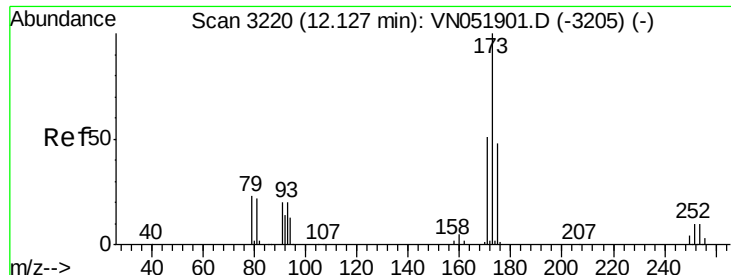
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#70
Styrene
Concen: 19.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion:104 Resp: 478761
Ion Ratio Lower Upper
104 100
78 47.4 36.6 55.0
103 57.6 44.6 67.0





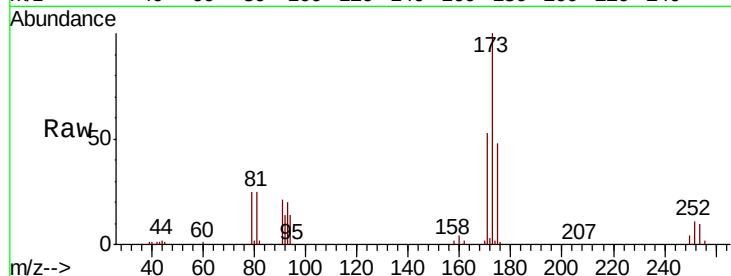
#71
Bromoform
Concen: 17.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampled :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.2	0.2

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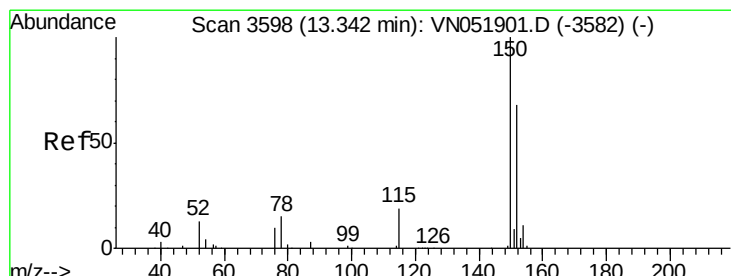
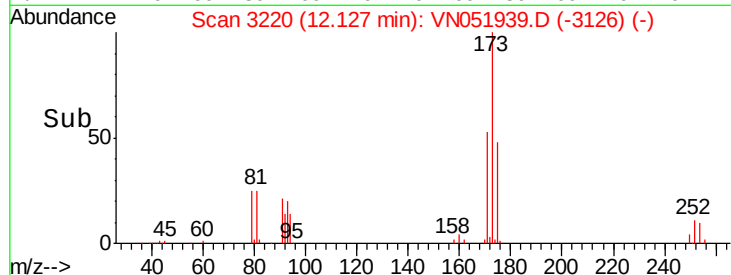
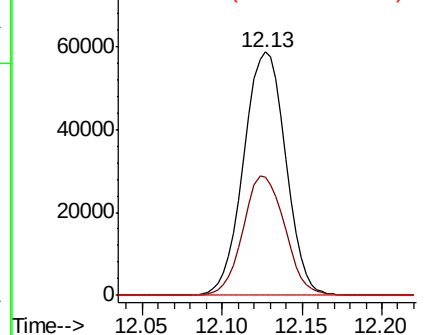


Abundance

Ion 172.70 (172.40 to 173.40): V

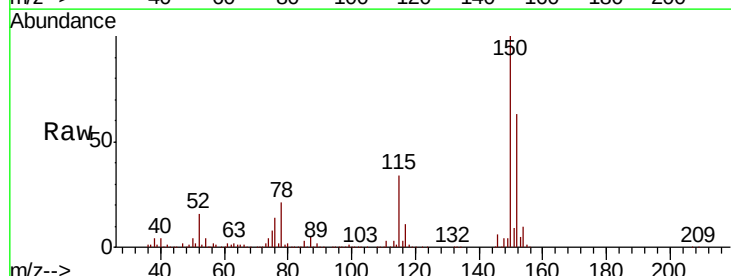
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	26.7	80.1
150	163.7	0.0	346.4

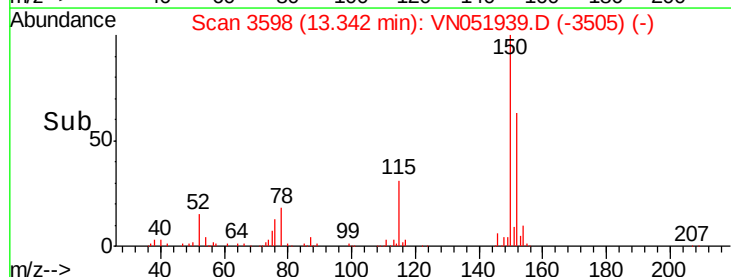
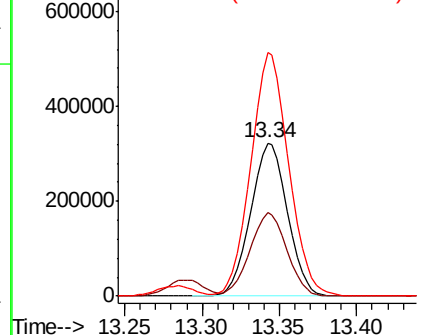


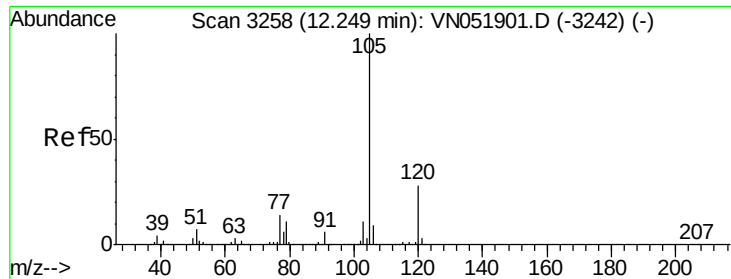
Abundance

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: 20.824 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 105 Resp: 860998

Ion Ratio Lower Upper

105 100

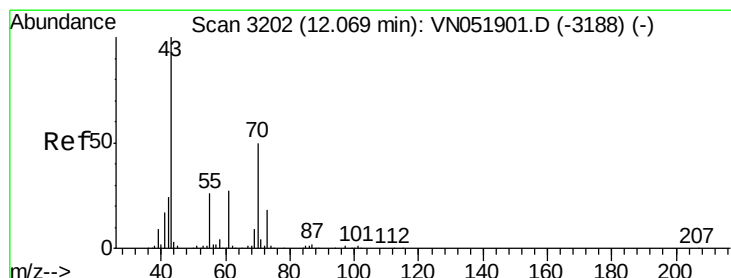
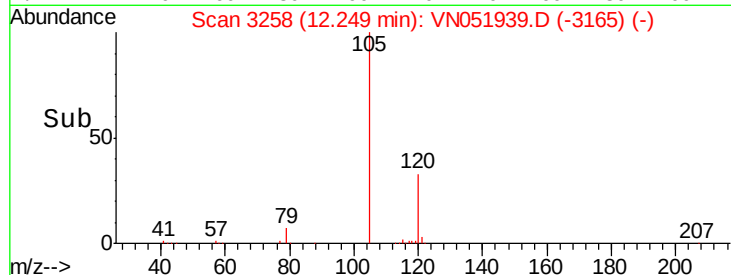
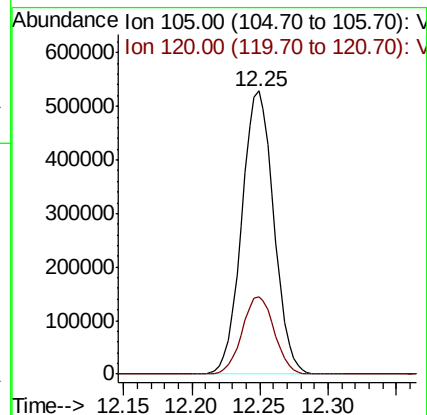
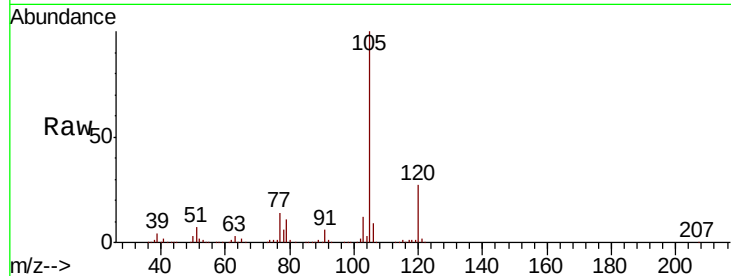
120 27.6 14.0 41.9

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#74

N-ethyl acetate

Concen: 18.225 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion: 43 Resp: 129561

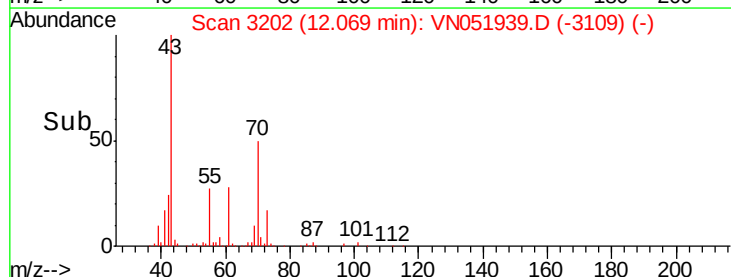
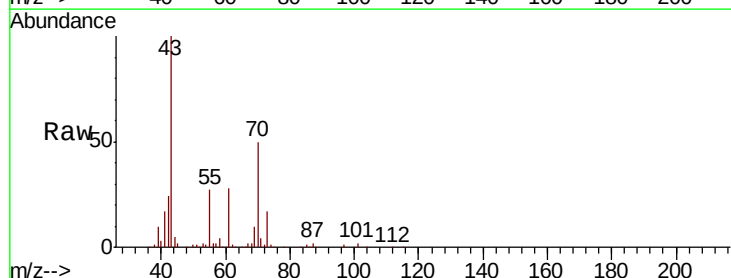
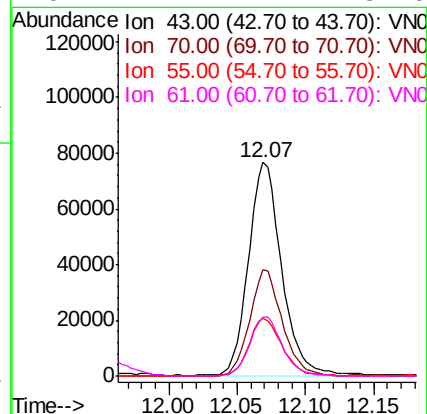
Ion Ratio Lower Upper

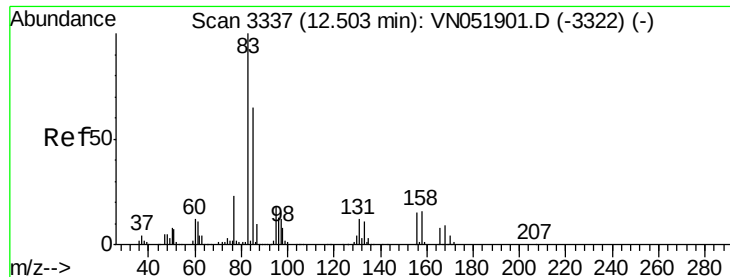
43 100

70 48.5 40.1 60.1

55 26.9 21.0 31.4

61 27.2 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.072 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

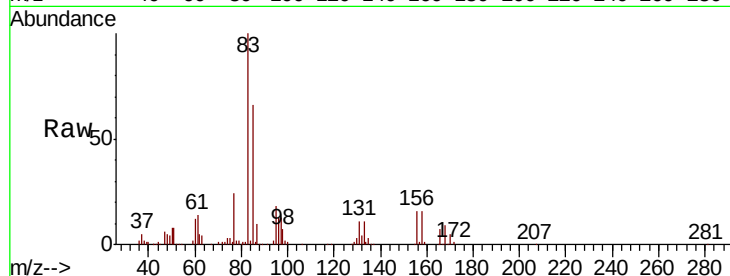
ClientSampleId :

VN1019WBSD01

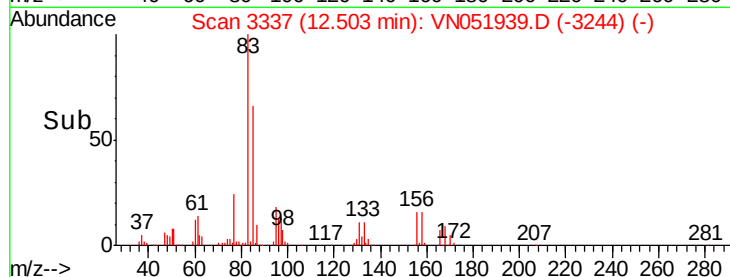
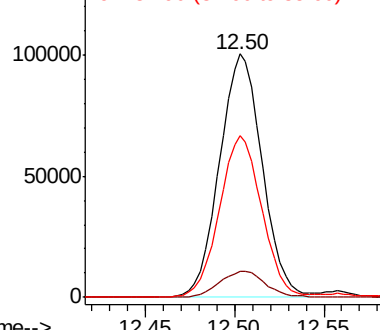
Tot Ion:	83	Resp:	167719
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.2	18.6
85	66.1	32.6	97.7

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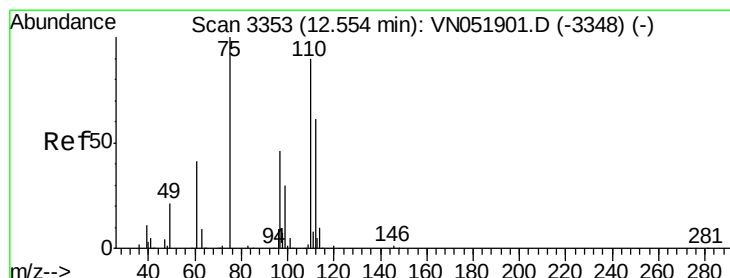
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Abundance Ion 82.90 (82.60 to 83.60): VN051939.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.796 ug/l m

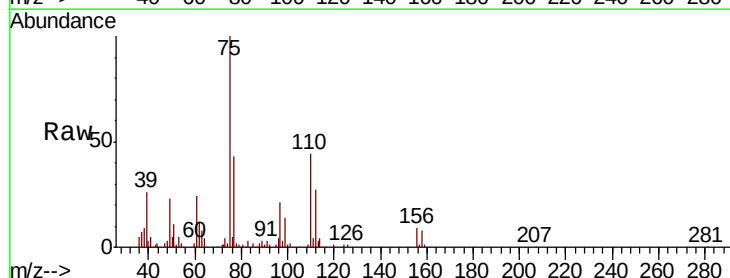
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

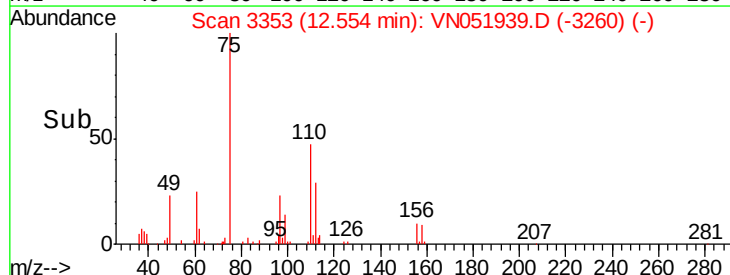
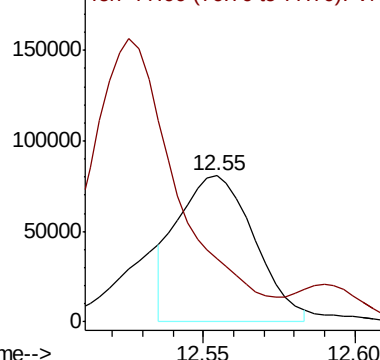
Lab File: VN051939.D

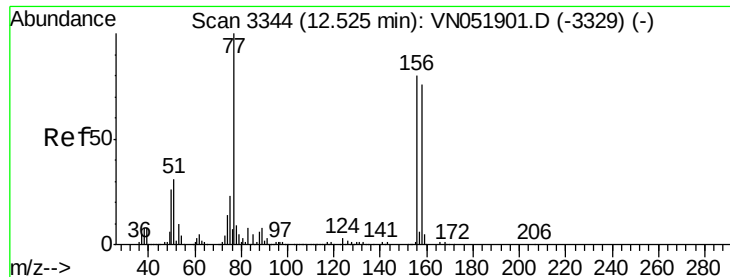
Acq: 19 Oct 2018 11:20

Tgt Ion:	75	Resp:	141488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051939.D (-3260) (-)





#77

Bromobenzene

Concen: 19.884 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

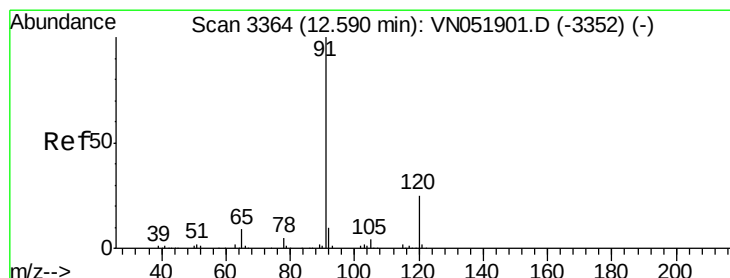
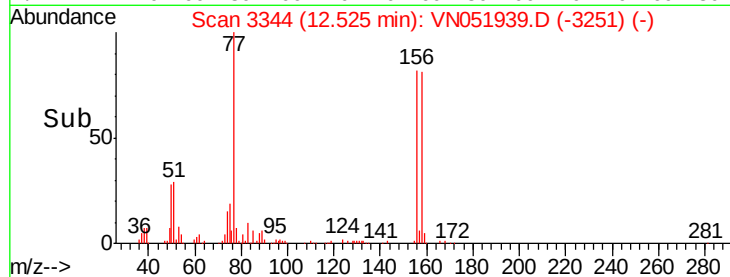
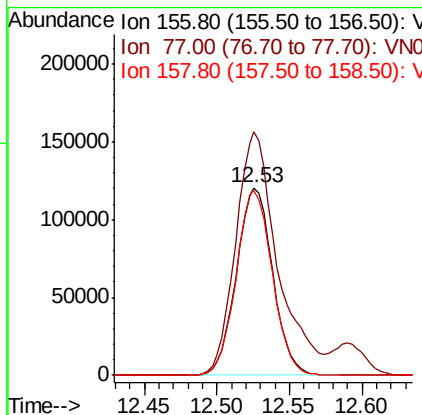
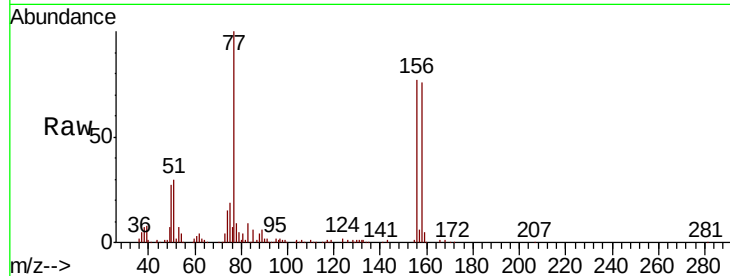
ClientSampleId :

VN1019WBSD01

Tot Ion:	156	Resp:	209192
Ion Ratio	Lower	Upper	
156	100		
77	150.8	73.0	219.0
158	98.4	48.4	145.0

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#78

n-propylbenzene

Concen: 20.730 ug/l

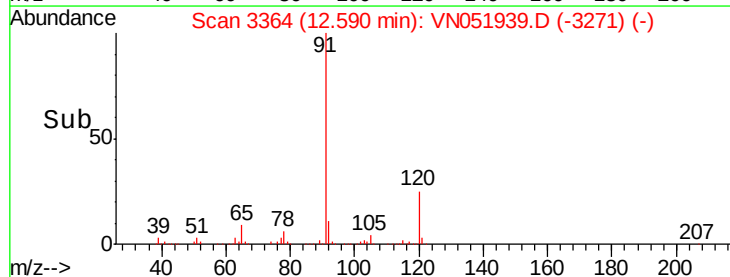
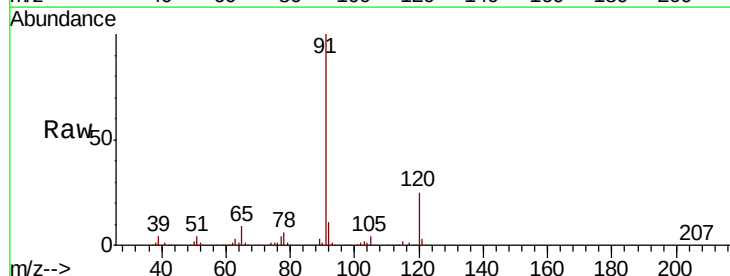
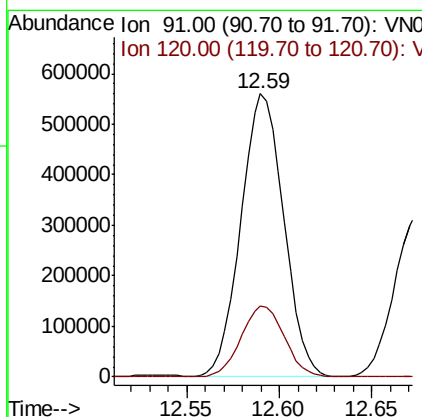
RT: 12.59 min Scan# 3364

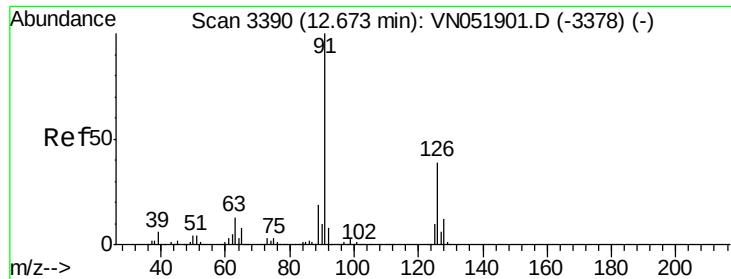
Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	91	Resp:	892215
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.9	38.7





#79

2-Chlorotoluene

Concen: 21.977 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion: 91 Resp: 535464

Ion Ratio Lower Upper

91 100

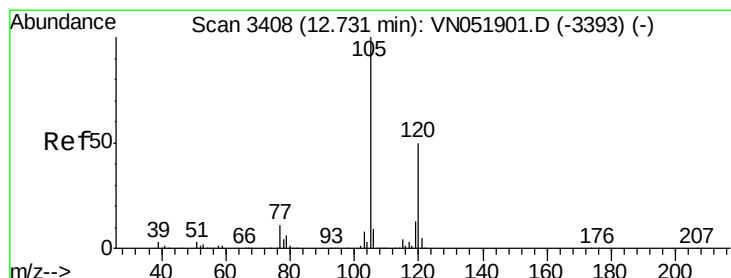
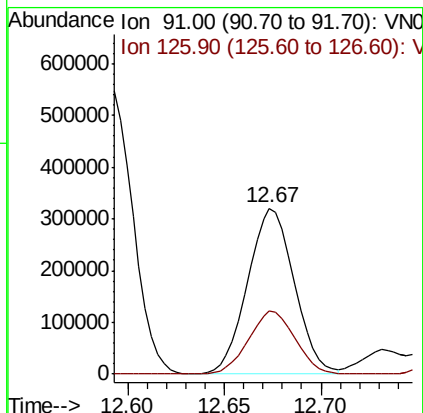
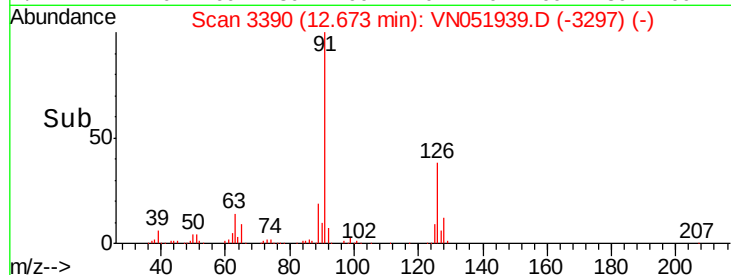
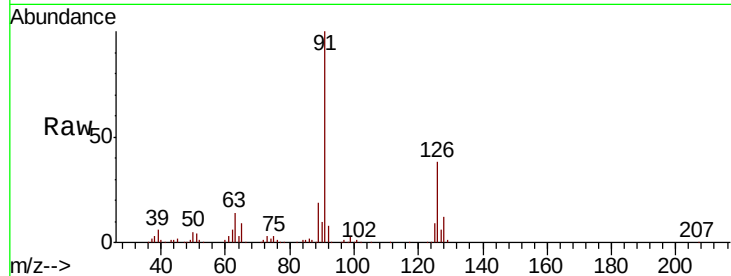
126 38.2 19.6 58.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.824 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051939.D

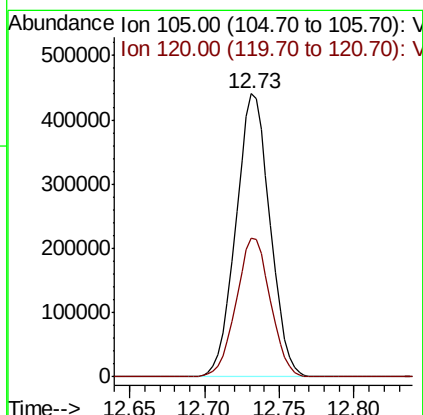
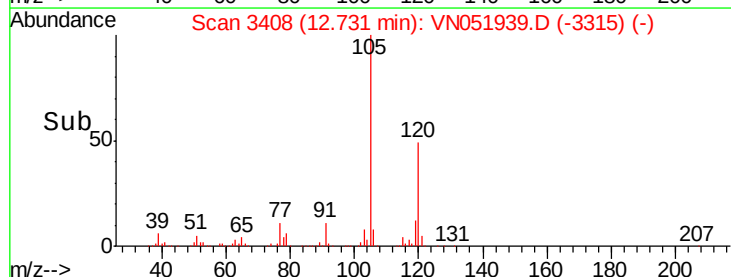
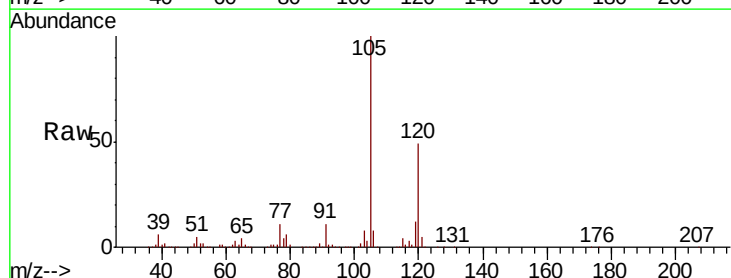
Acq: 19 Oct 2018 11:20

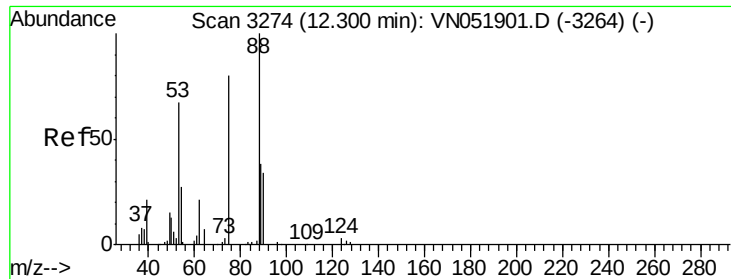
Tgt Ion: 105 Resp: 695912

Ion Ratio Lower Upper

105 100

120 49.5 25.3 75.9





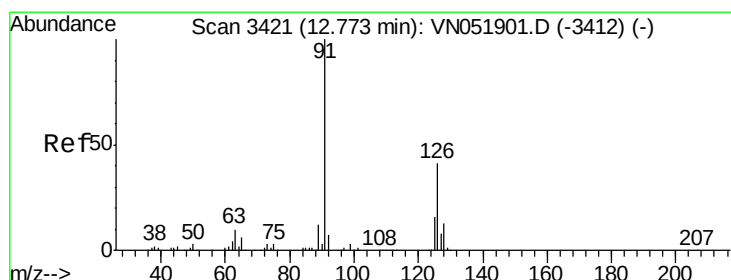
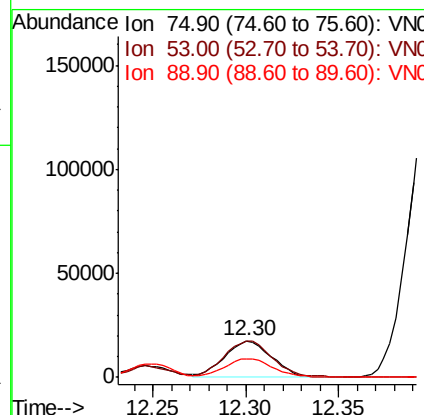
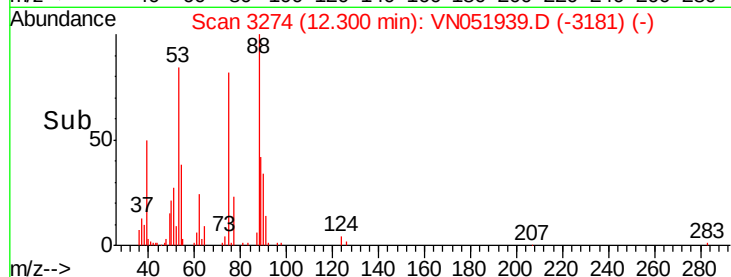
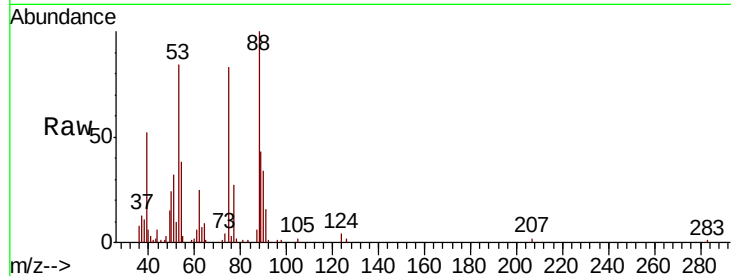
#81
trans-1,4-Dichloro-2-butene
Concen: 16.017 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	68.5	102.7
89	50.9	39.0	58.6

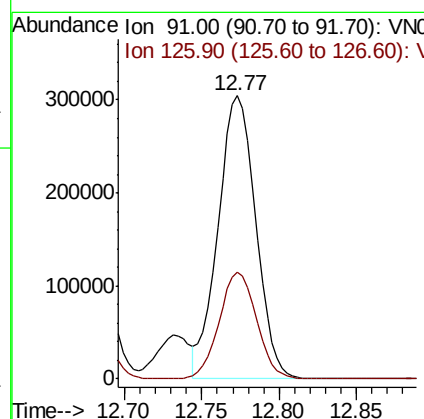
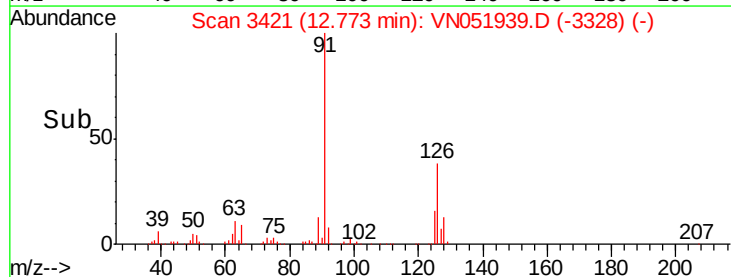
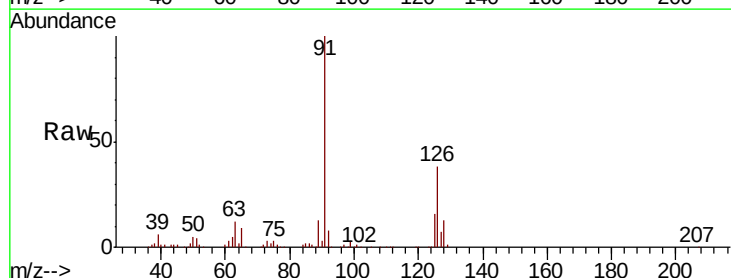
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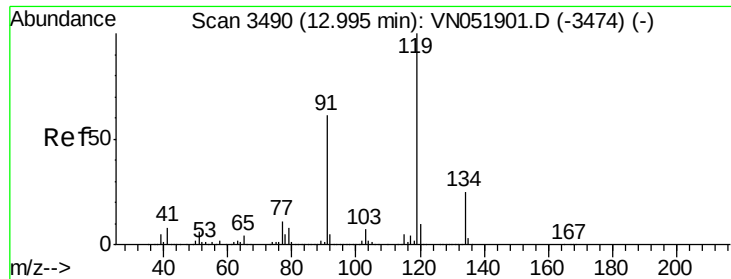
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#82
4-Chlorotoluene
Concen: 20.473 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051939.D
Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	18.9	56.7





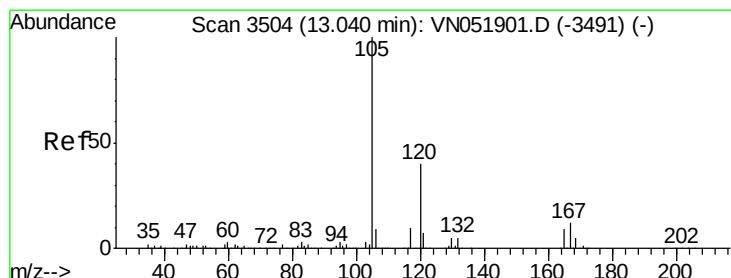
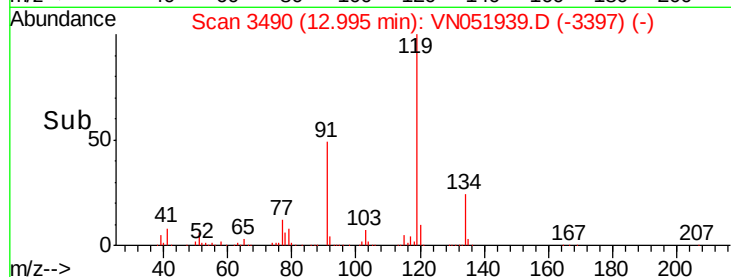
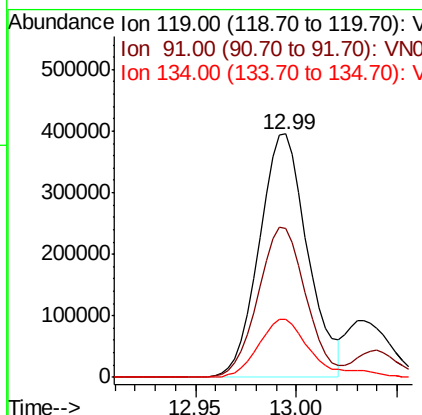
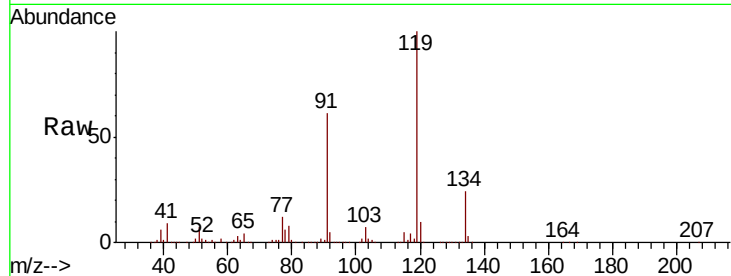
#83
 tert-Butylbenzene
 Concen: 20.997 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	659409		
91	61.0		30.3	90.9
134	26.1		13.4	40.1

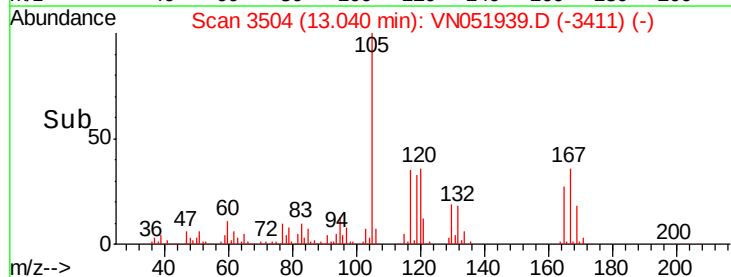
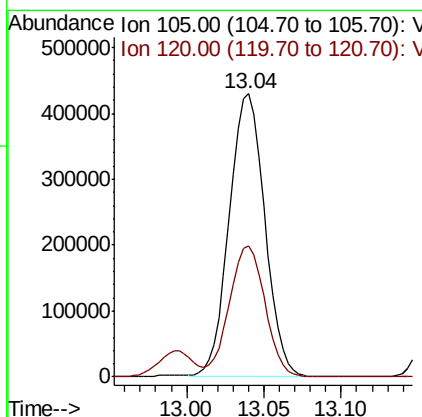
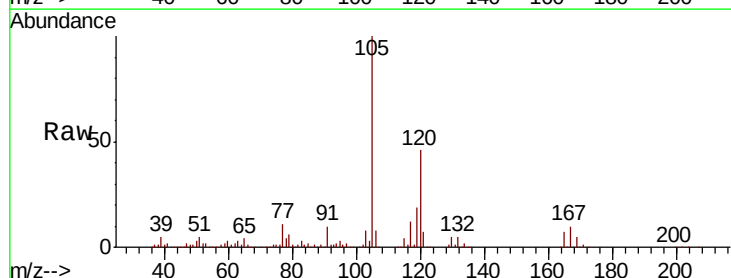
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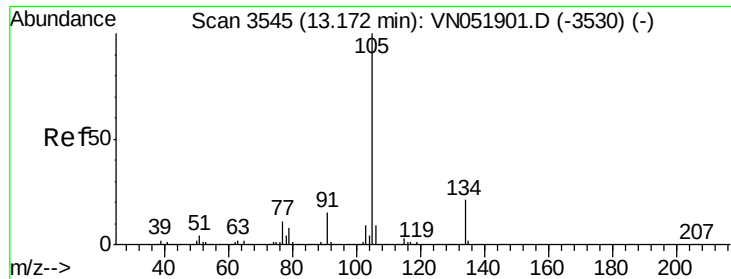
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.914 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	687197		
120	46.4		23.8	71.4





#85

sec-Butylbenzene

Concen: 20.711 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBSD01

Tot Ion:105 Resp: 826883

Ion Ratio Lower Upper

105 100

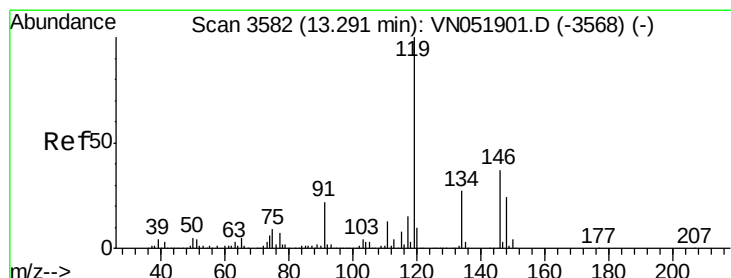
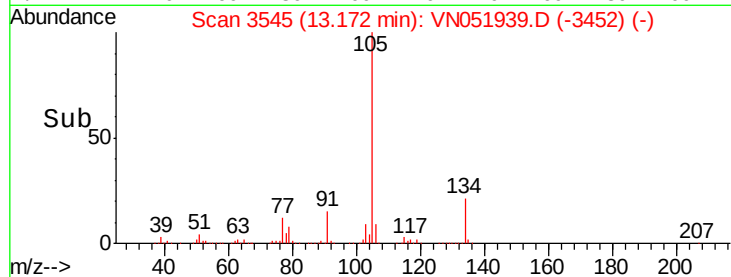
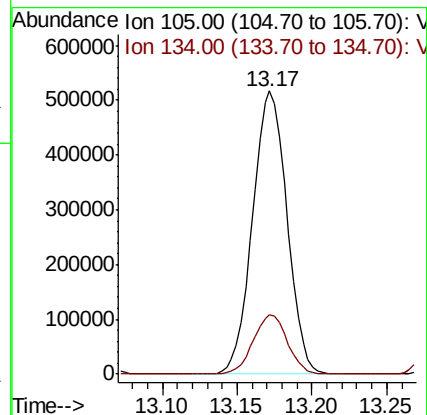
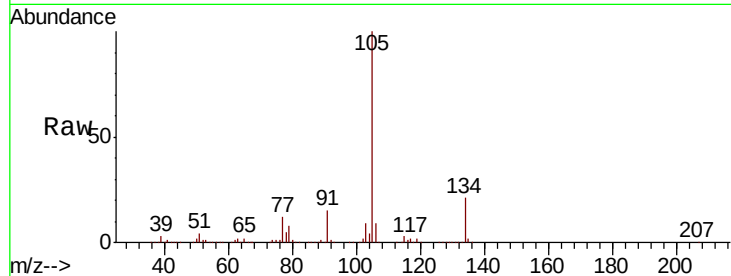
134 20.9 10.8 32.3

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#86

p-Isopropyltoluene

Concen: 20.910 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

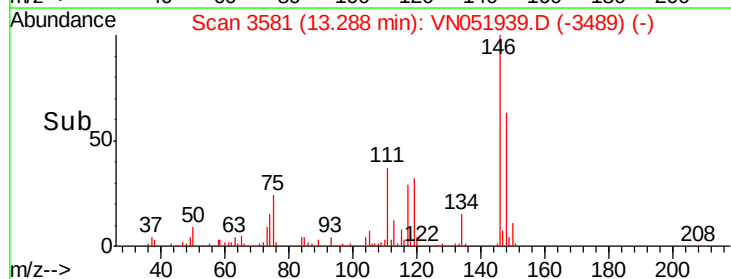
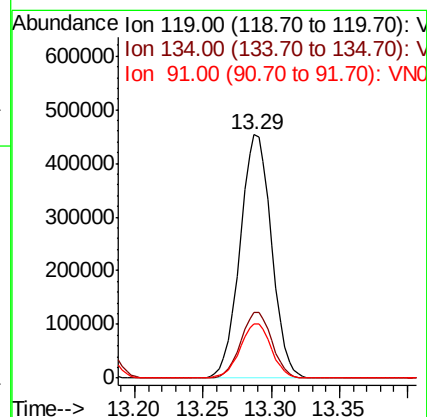
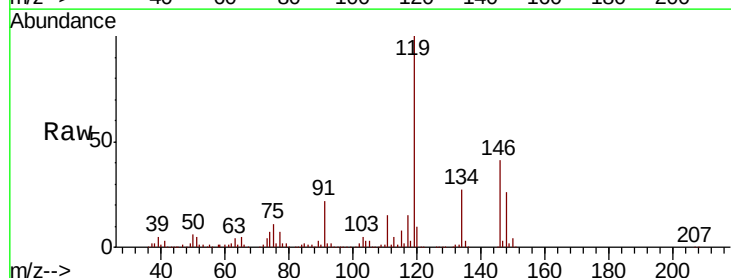
Tgt Ion:119 Resp: 723554

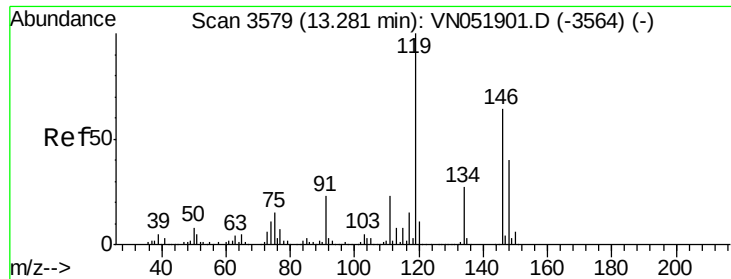
Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 22.2 10.9 32.9





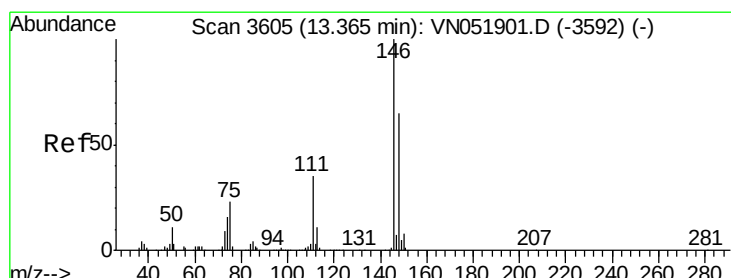
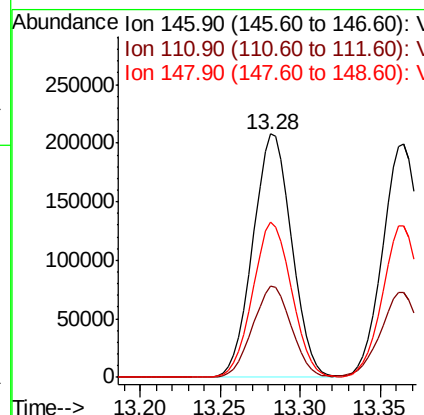
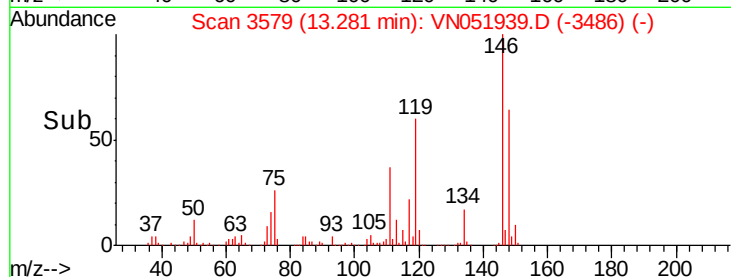
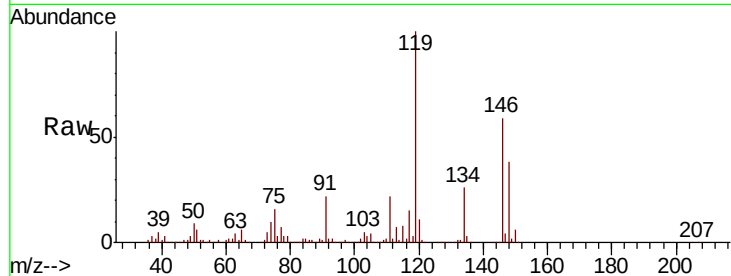
#87
 1,3-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	346297		
111	37.2	18.3	54.8	
148	63.8	31.9	95.7	

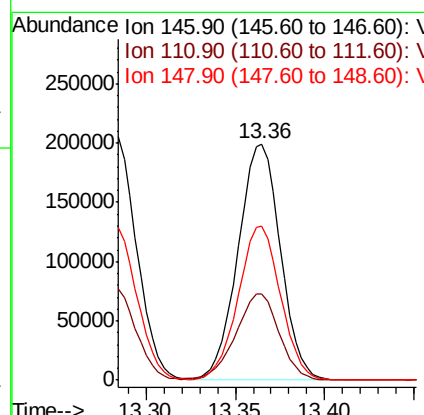
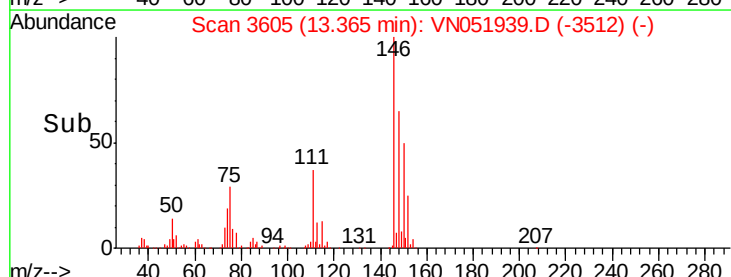
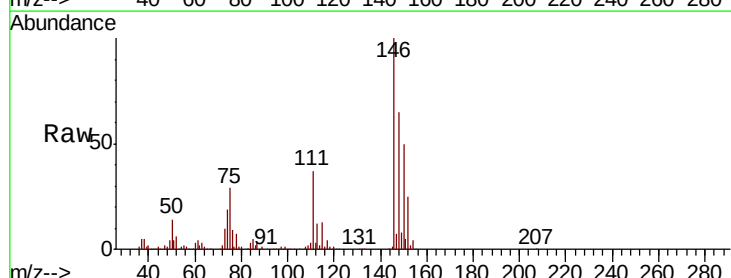
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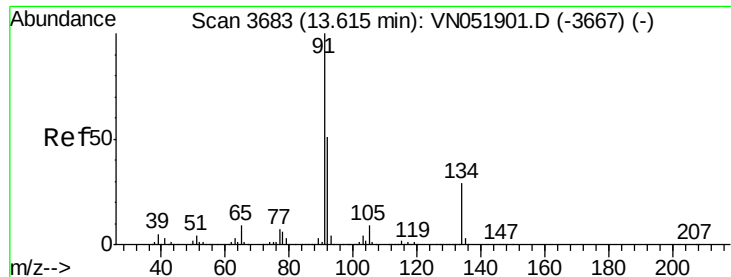
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#88
 1,4-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	330884		
111	37.6	17.9	53.7	
148	65.4	32.8	98.3	





#89

n-Butylbenzene

Concen: 20.502 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

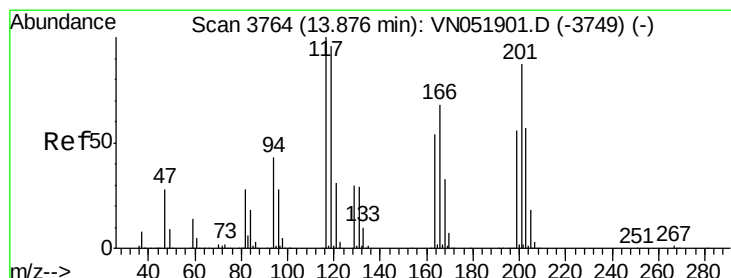
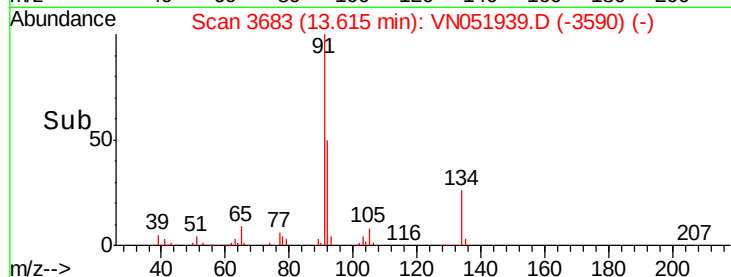
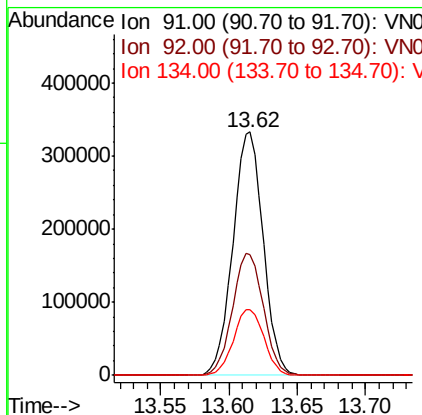
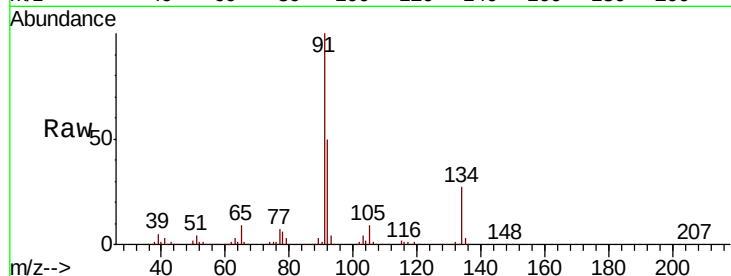
ClientSampleId :

VN1019WBSD01

Tot Ion:	91	Resp:	514625
Ion Ratio	Lower	Upper	
91	100		
92	50.8	25.9	77.7
134	27.2	14.6	43.8

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#90

Hexachloroethane

Concen: 19.764 ug/l

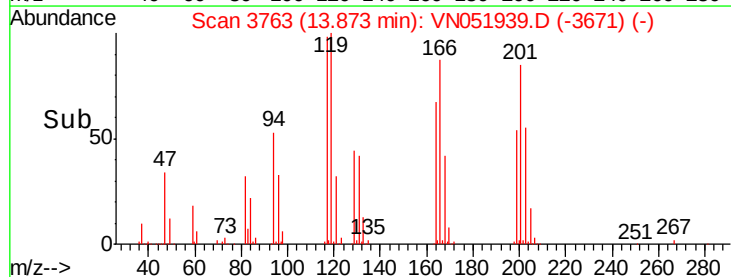
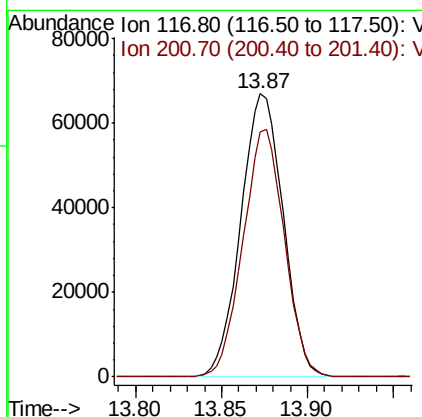
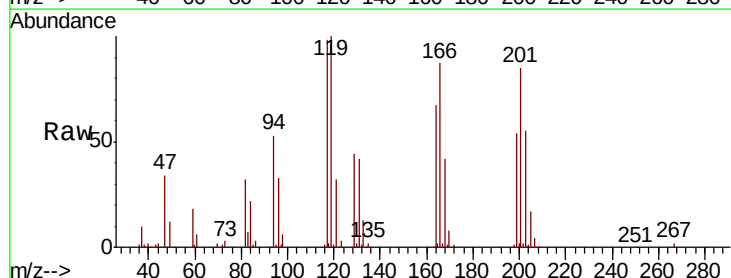
RT: 13.87 min Scan# 3763

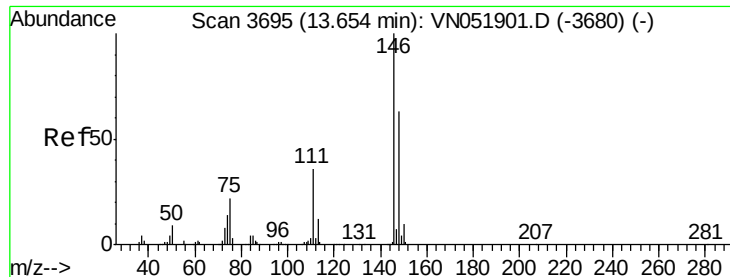
Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	117	Resp:	114382
Ion Ratio	Lower	Upper	
117	100		
201	85.4	43.8	131.3





#91

1,2-Dichlorobenzene

Concen: 20.513 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

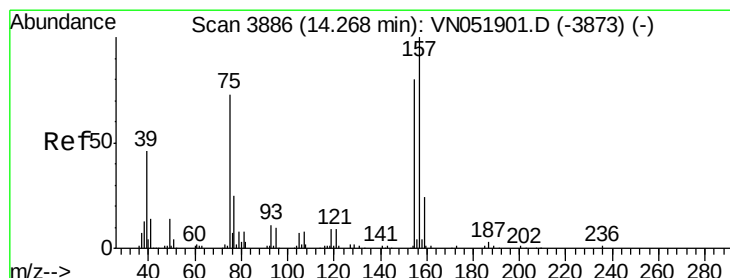
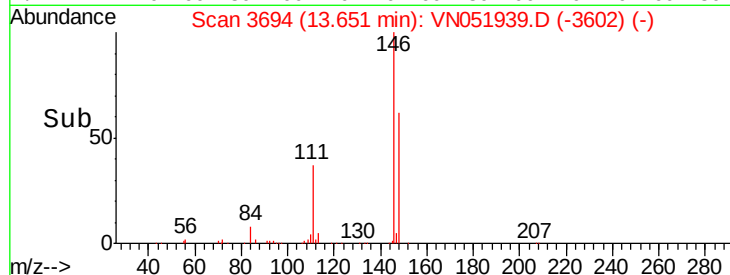
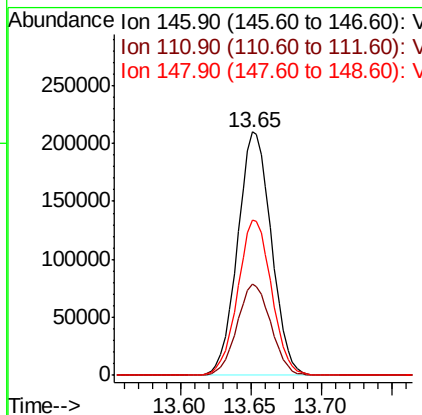
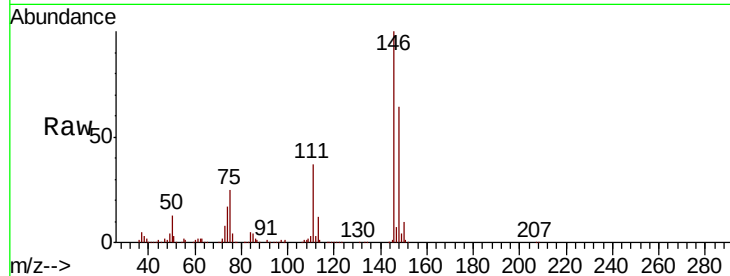
ClientSampleId :

VN1019WBSD01

Tot Ion:	146	Resp:	352247
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.6
148	63.7	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.218 ug/l

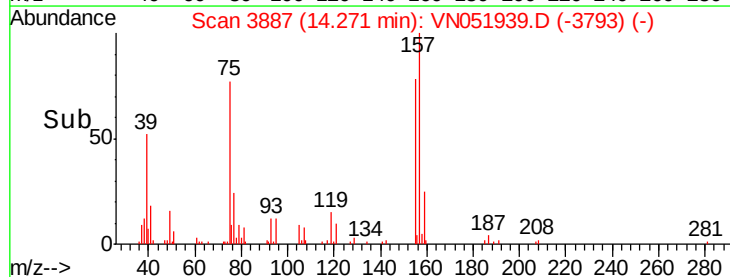
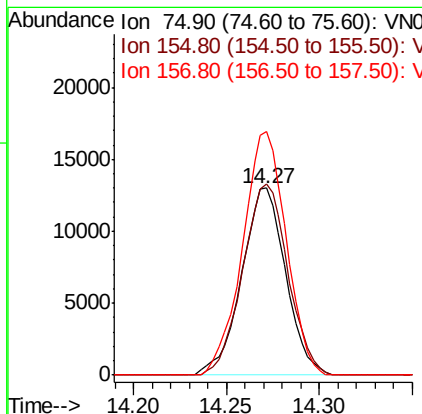
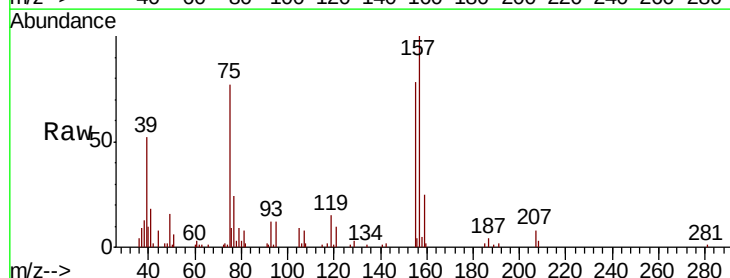
RT: 14.27 min Scan# 3887

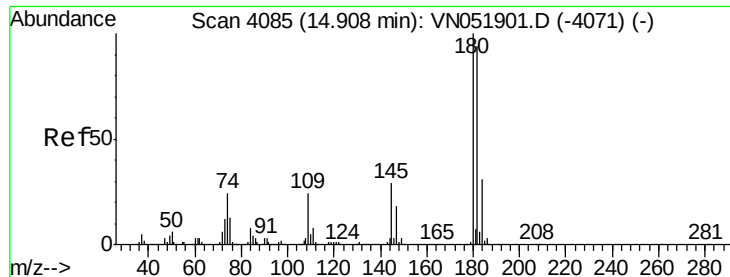
Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	75	Resp:	21512
Ion Ratio	Lower	Upper	
75	100		
155	104.8	53.4	160.2
157	128.9	69.3	207.9





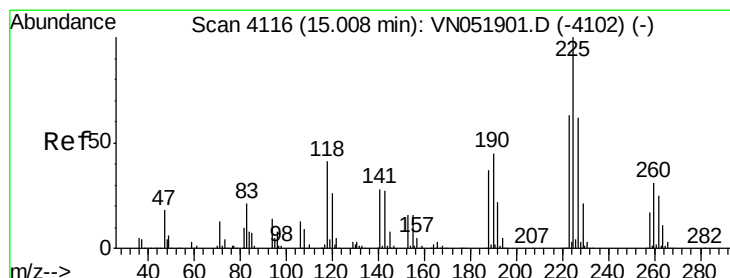
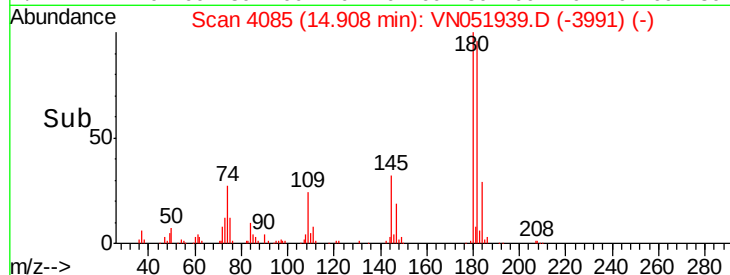
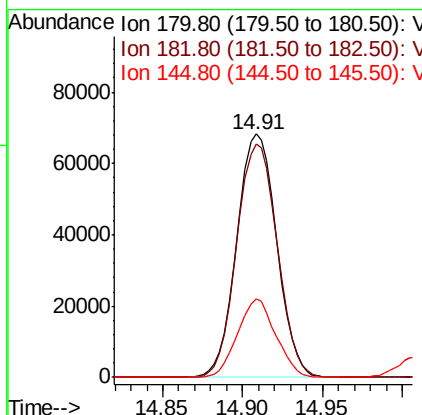
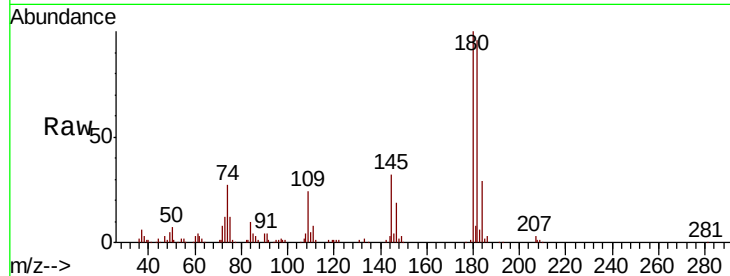
#93
 1,2,4-Trichlorobenzene
 Concen: 16.391 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.9
145	30.6	14.5	43.5

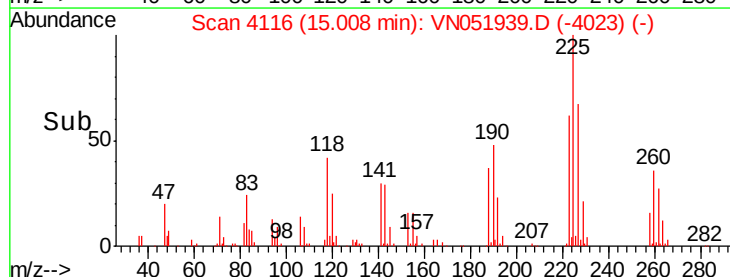
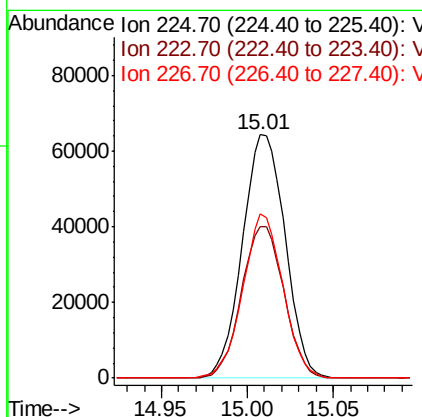
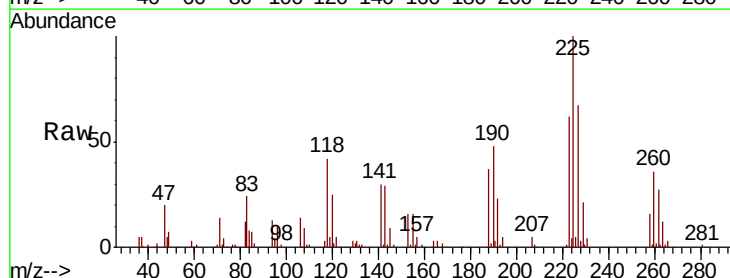
Manual Integrations
 APPROVED

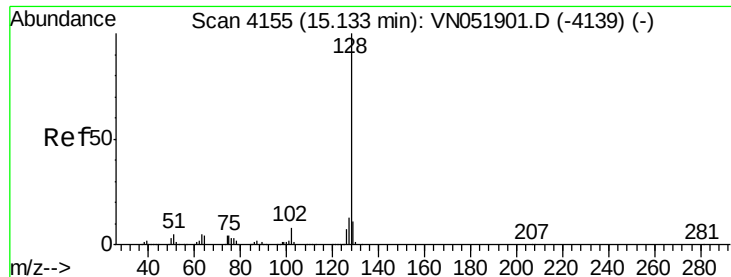
MMDadoda
 10/22/2018 11:35:25 AM



#94
 Hexachlorobutadiene
 Concen: 20.441 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051939.D
 Acq: 19 Oct 2018 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.0	96.2
227	63.3	31.9	95.9





#95

Naphthalene

Concen: 15.597 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Instrument :

MSVOA_N

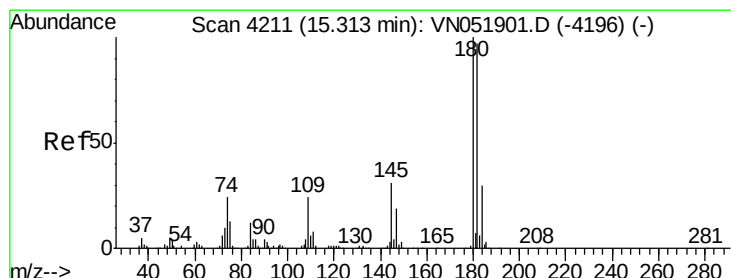
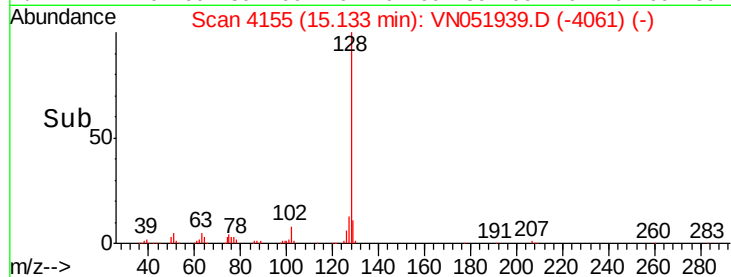
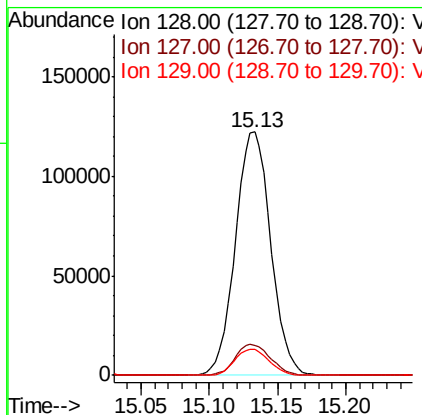
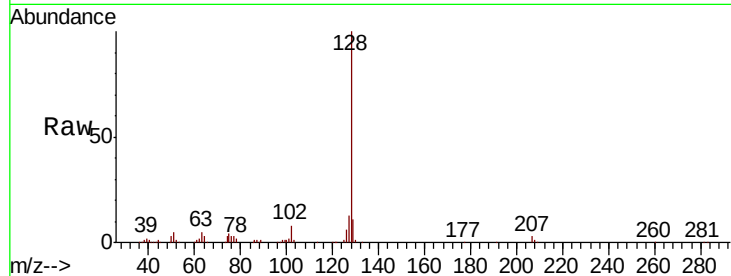
ClientSampleId :

VN1019WBSD01

Tot Ion:	128	Resp:	219556
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/22/2018 11:35:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.550 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051939.D

Acq: 19 Oct 2018 11:20

Tgt Ion:	180	Resp:	129391
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.9	143.8
145	31.0	15.2	45.6

