

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051219.D
 Acq On : 15 Sep 2018 13:52
 Operator : MD\SY
 Sample : VN0915WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:31:37 PM

Quant Time: Sep 17 03:09:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	893393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	350709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	302368	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
35) Dibromofluoromethane	7.59	113	307000	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
50) Toluene-d8	10.09	98	1092033	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	
62) 4-Bromofluorobenzene	12.40	95	337788	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110310	18.47	ug/l	100
3) Chloromethane	2.06	50	144600	18.41	ug/l	99
4) Vinyl Chloride	2.18	62	145400	17.74	ug/l	97
5) Bromomethane	2.57	94	82634	17.22	ug/l	99
6) Chloroethane	2.70	64	87546	17.30	ug/l	96
7) Trichlorofluoromethane	3.01	101	198342	18.26	ug/l	99
8) Diethyl Ether	3.41	74	67917	17.00	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121439	17.34	ug/l	100
10) Methyl Iodide	3.95	142	93596	18.32	ug/l	98
11) Tert butyl alcohol	4.79	59	33606	63.85	ug/l	96
12) 1,1-Dichloroethene	3.74	96	112900	17.09	ug/l	99
13) Acrolein	3.61	56	23022	56.63	ug/l	98
14) Allyl chloride	4.33	41	169227	16.82	ug/l	99
15) Acrylonitrile	4.99	53	177328	76.03	ug/l	99
16) Acetone	3.82	43	129929	72.10	ug/l	98
17) Carbon Disulfide	4.05	76	344994	17.79	ug/l	98
18) Methyl Acetate	4.33	43	85992	15.58	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	281510	16.12	ug/l	98
20) Methylene Chloride	4.55	84	131683	17.30	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	121087	16.90	ug/l	96
22) Diisopropyl ether	5.95	45	360514	18.05	ug/l	98
23) Vinyl Acetate	5.90	43	1118080	82.71	ug/l	100
24) 1,1-Dichloroethane	5.85	63	223518	17.64	ug/l	99
25) 2-Butanone	6.84	43	187262	69.12	ug/l	99
26) 2,2-Dichloropropane	6.83	77	172671	16.64	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	134311	17.09	ug/l	98
28) Bromochloromethane	7.20	49	93433	16.56	ug/l	99
29) Tetrahydrofuran	7.22	42	126170	74.57	ug/l	99
30) Chloroform	7.37	83	226371	17.95	ug/l	98
31) Cyclohexane	7.66	56	199273	17.48	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	193826	18.04	ug/l	99
36) 1,1-Dichloropropene	7.79	75	170983	17.43	ug/l	99
37) Ethyl Acetate	6.93	43	88251	15.54	ug/l	98
38) Carbon Tetrachloride	7.78	117	174477	18.07	ug/l	98

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 Sample : VN0915WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Manual Integrations
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 9/18/2018 4:31:37 PM

Quant Time: Sep 17 03:09:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	181052	16.73	ug/l	97
40) Benzene	8.04	78	524688	17.75	ug/l	100
41) Methacrylonitrile	7.18	41	47091	16.07	ug/l	93
42) 1,2-Dichloroethane	8.13	62	152578	17.71	ug/l	99
43) Isopropyl Acetate	8.17	43	160079	15.97	ug/l	100
44) Trichloroethene	8.84	130	140598	17.39	ug/l	99
45) 1,2-Dichloropropane	9.12	63	134723	17.64	ug/l	99
46) Dibromomethane	9.21	93	77443	16.62	ug/l	99
47) Bromodichloromethane	9.40	83	169978	17.94	ug/l	98
48) Methyl methacrylate	9.20	41	75472	15.45	ug/l	99
49) 1,4-Dioxane	9.20	88	20886	272.67	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	419779	75.73	ug/l	99
52) Toluene	10.16	92	315927	17.53	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	156459	16.50	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	188297	16.93	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	113660	17.36	ug/l	99
56) Ethyl methacrylate	10.43	69	123293	15.80	ug/l	98
57) 1,3-Dichloropropane	10.71	76	185577	17.10	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	232846	74.43	ug/l	99
59) 2-Hexanone	10.75	43	252787	67.24	ug/l	98
60) Dibromochloromethane	10.90	129	127645	17.30	ug/l	99
61) 1,2-Dibromoethane	11.01	107	106661	16.67	ug/l	99
64) Tetrachloroethene	10.63	164	128795	18.30	ug/l	99
65) Chlorobenzene	11.43	112	343147	17.65	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	130885	18.70	ug/l	100
67) Ethyl Benzene	11.51	91	544497	17.30	ug/l	100
68) m/p-Xylenes	11.62	106	435826	36.03	ug/l	100
69) o-Xylene	11.95	106	207897	17.75	ug/l	100
70) Styrene	11.96	104	322839	17.77	ug/l	100
71) Bromoform	12.13	173	83370	16.92	ug/l #	99
73) Isopropylbenzene	12.25	105	545175	18.54	ug/l	99
74) N-amyl acetate	12.07	43	108145	14.61	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	127871	17.93	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	101221m	17.65	ug/l	
77) Bromobenzene	12.53	156	137584	17.42	ug/l	98
78) n-propylbenzene	12.59	91	582130	18.01	ug/l	100
79) 2-Chlorotoluene	12.67	91	362293	17.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	443003	18.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26960	14.60	ug/l	94
82) 4-Chlorotoluene	12.77	91	351108	17.50	ug/l	100
83) tert-Butylbenzene	12.99	119	381487	18.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	441823	18.90	ug/l	99
85) sec-Butylbenzene	13.17	105	489853	18.19	ug/l	99
86) p-Isopropyltoluene	13.29	119	416953	18.27	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	222828	16.63	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	211968	17.23	ug/l	98
89) n-Butylbenzene	13.62	91	278777	15.69	ug/l	99
90) Hexachloroethane	13.87	117	80207	18.92	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	221268	16.94	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14460	14.86	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:31:37 PM

Quant Time: Sep 17 03:09:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68741	14.01	ug/l	97
94) Hexachlorobutadiene	15.01	225	72050	17.80	ug/l	99
95) Naphthalene	15.13	128	119921	13.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72918	14.33	ug/l	99

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

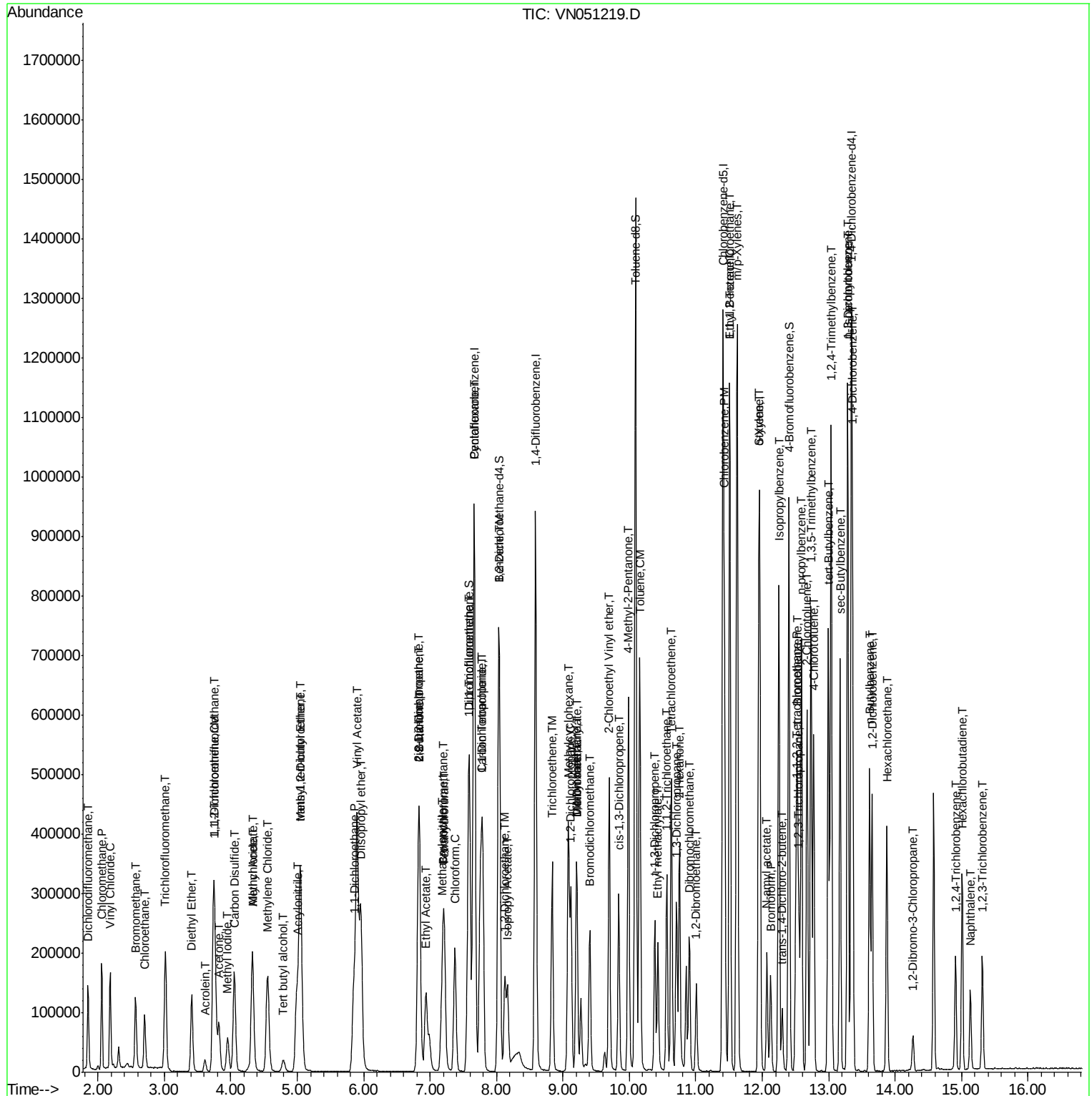
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051219.D
 Acq On : 15 Sep 2018 13:52
 Operator : MD\SY
 Sample : VN0915WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

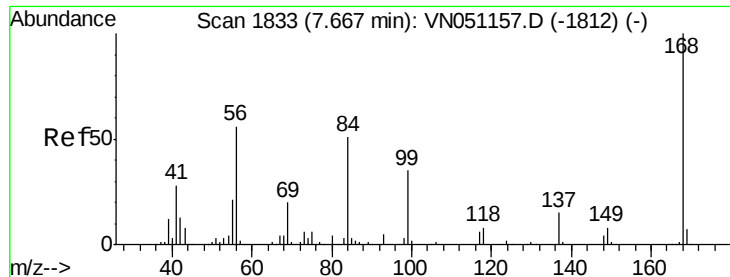
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0915WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:31:37 PM

Quant Time: Sep 17 03:09:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion:168 Resp: 619247

Ion Ratio Lower Upper

168 100

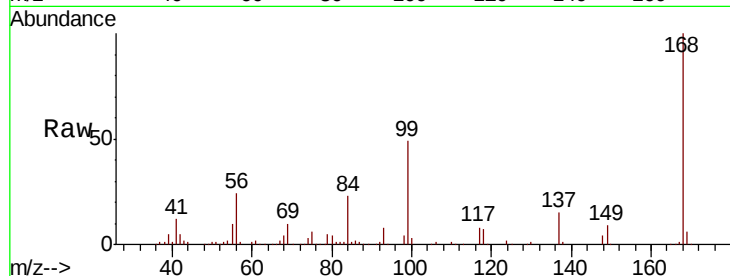
99 48.4 38.3 57.5

Manual Integrations

APPROVED

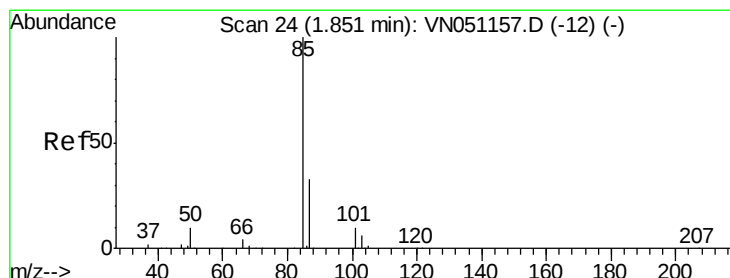
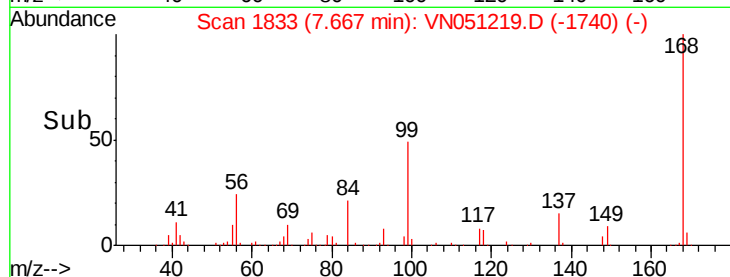
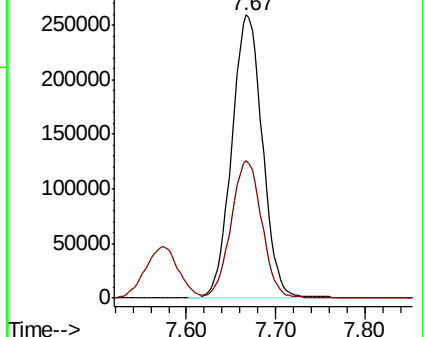
MMDadoda

9/18/2018 4:31:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.47 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051219.D

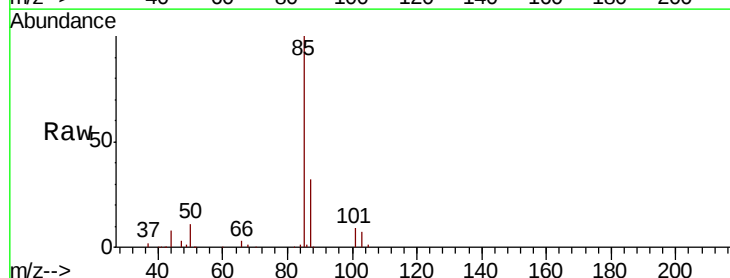
Acq: 15 Sep 2018 13:52

Tgt Ion: 85 Resp: 110310

Ion Ratio Lower Upper

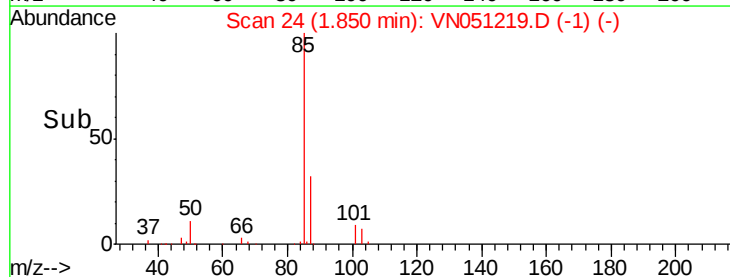
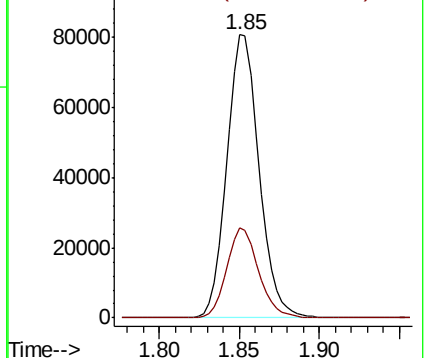
85 100

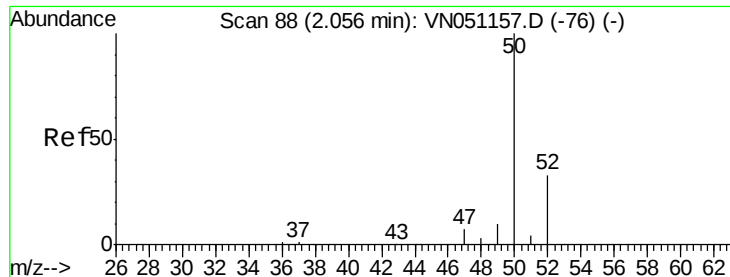
87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.41 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 50 Resp: 144600

Ion Ratio Lower Upper

50 100

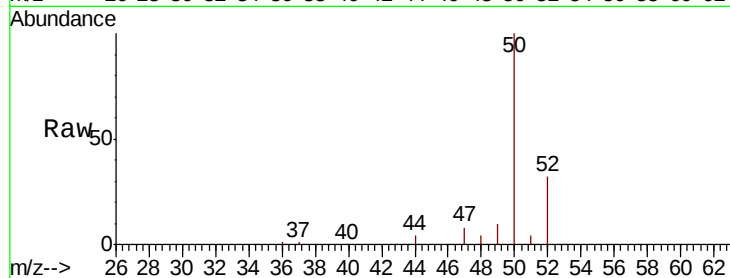
52 32.1 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

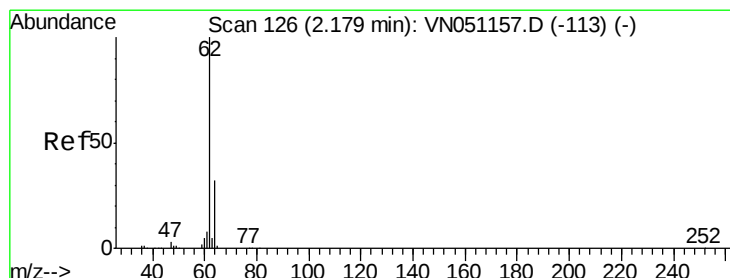
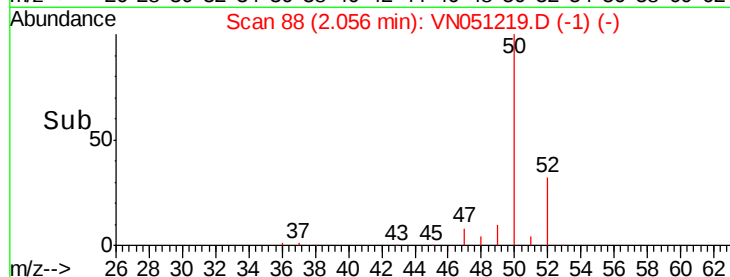
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 17.74 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051219.D

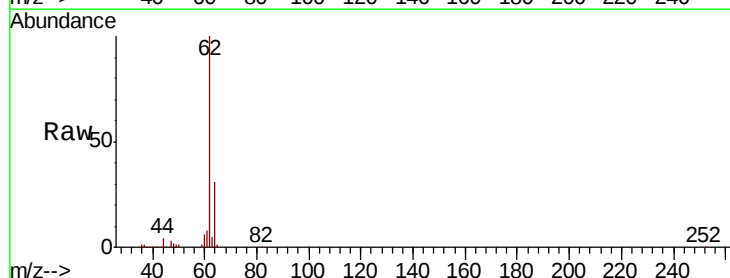
Acq: 15 Sep 2018 13:52

Tgt Ion: 62 Resp: 145400

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

100000

80000

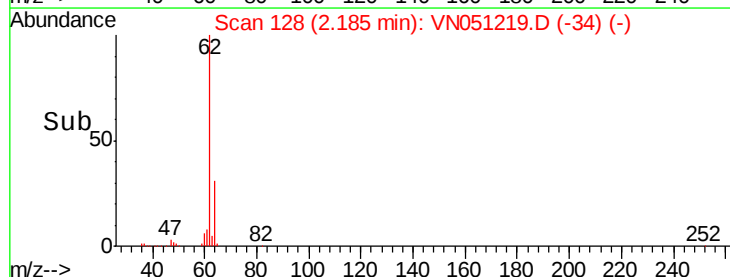
60000

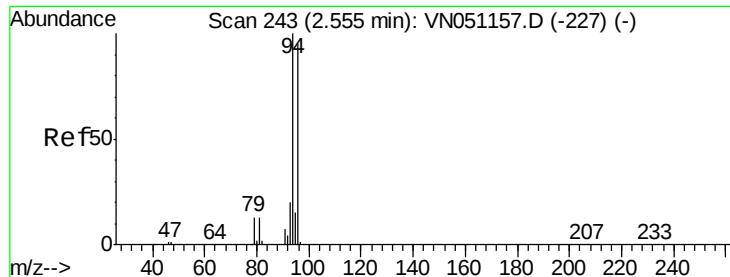
40000

20000

0

Time-->





#5

Bromomethane

Concen: 17.22 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 94 Resp: 82634

Ion Ratio Lower Upper

94 100

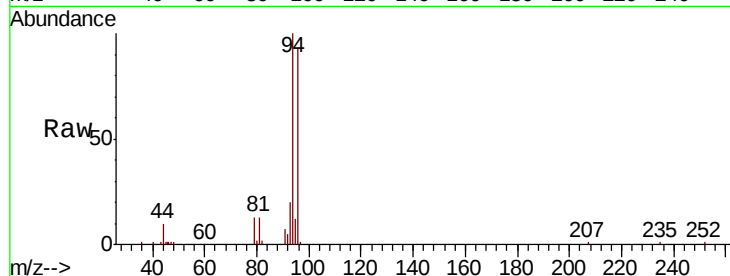
96 93.5 75.9 113.9

Manual Integrations

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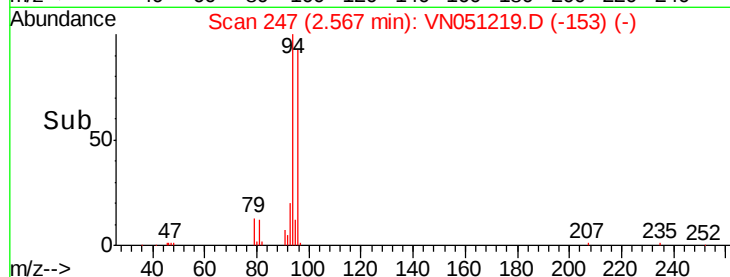


Abundance Ion 93.90 (93.60 to 94.60): VN051219.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051219.D (-153) (-)

2.57

Time-->



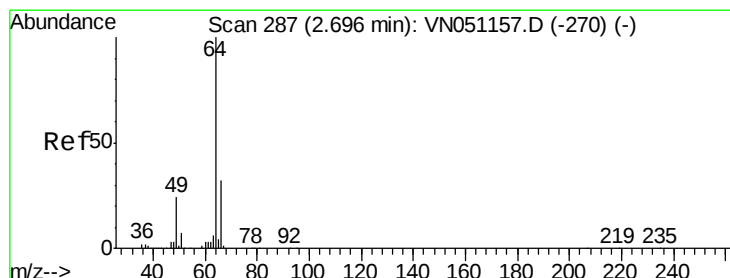
Abundance

Ion 93.90 (93.60 to 94.60): VN051219.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051219.D (-153) (-)

2.57

Time-->



#6

Chloroethane

Concen: 17.30 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051219.D

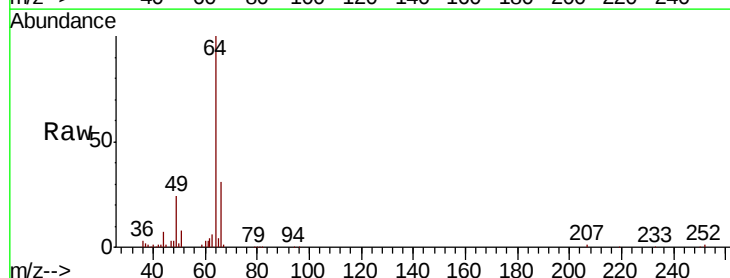
Acq: 15 Sep 2018 13:52

Tgt Ion: 64 Resp: 87546

Ion Ratio Lower Upper

64 100

66 30.5 26.1 39.1

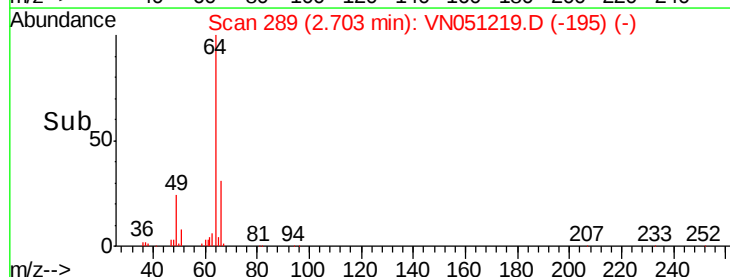


Abundance Ion 63.90 (63.60 to 64.60): VN051219.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051219.D (-195) (-)

2.70

Time-->



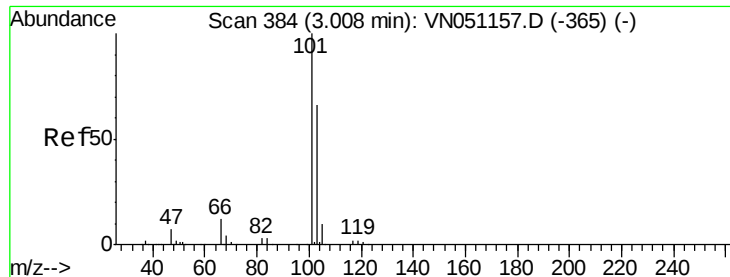
Abundance

Ion 63.90 (63.60 to 64.60): VN051219.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051219.D (-195) (-)

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 18.26 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion:101 Resp: 198342

Ion Ratio Lower Upper

101 100

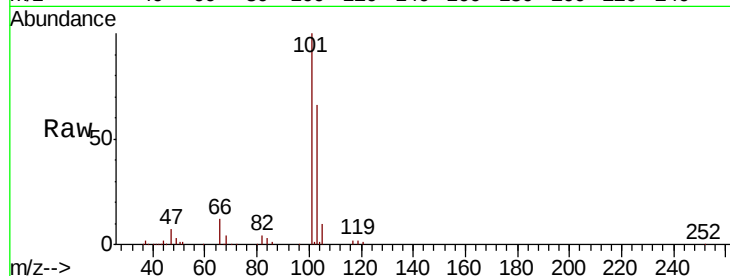
103 66.4 52.4 78.6

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

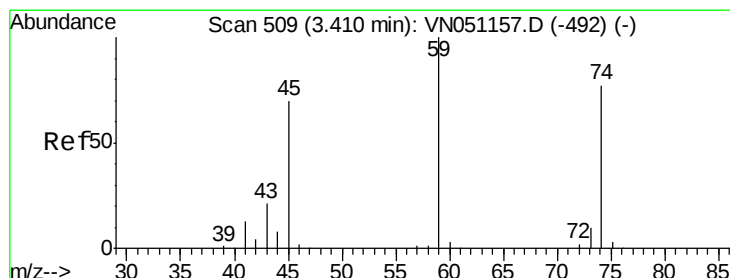
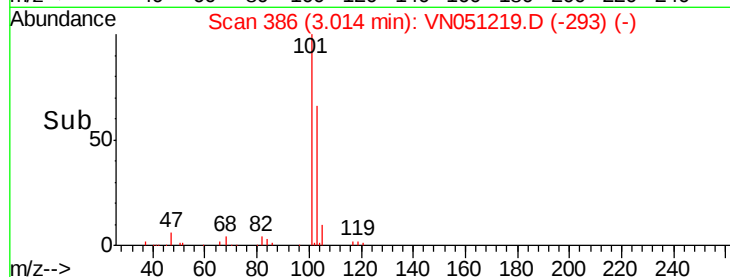
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 17.00 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051219.D

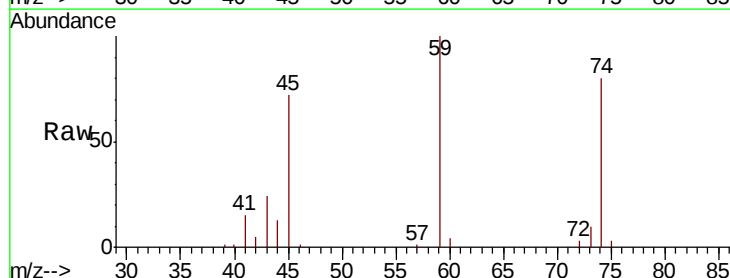
Acq: 15 Sep 2018 13:52

Tgt Ion: 74 Resp: 67917

Ion Ratio Lower Upper

74 100

45 93.6 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

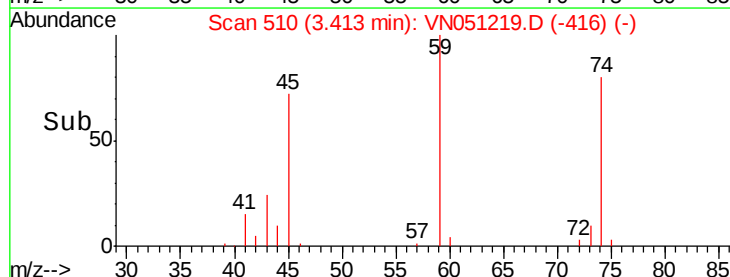
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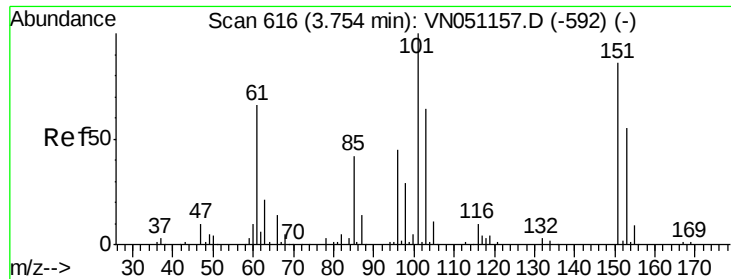
20000

10000

0

Time--> 3.35 3.40 3.45 3.50





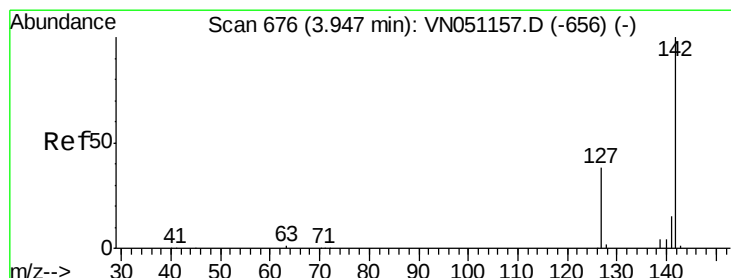
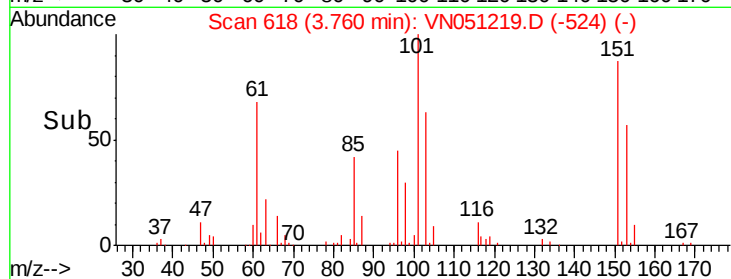
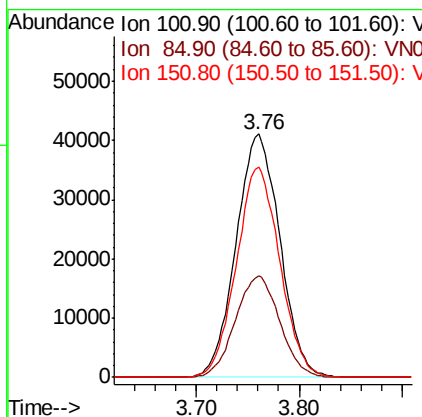
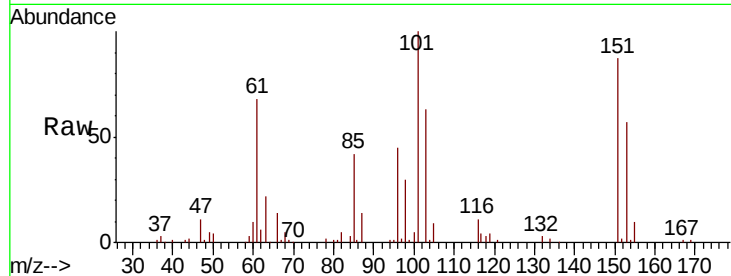
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.34 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	121439		
85	42.1	33.3	49.9	
151	85.5	68.2	102.2	

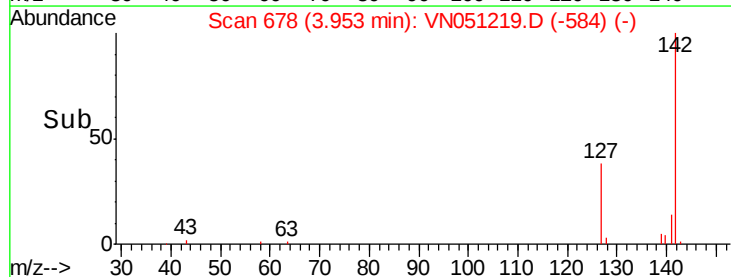
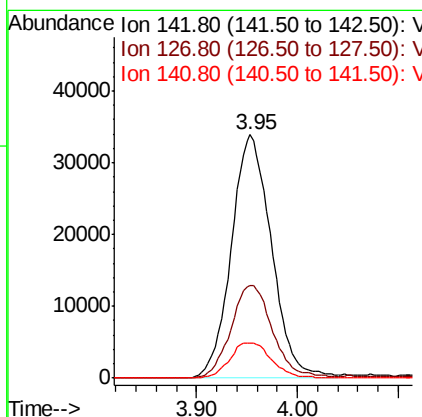
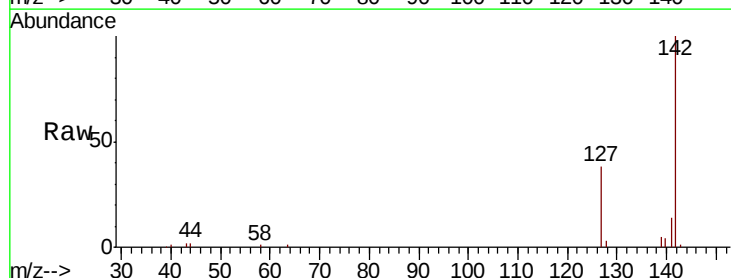
Manual Integrations
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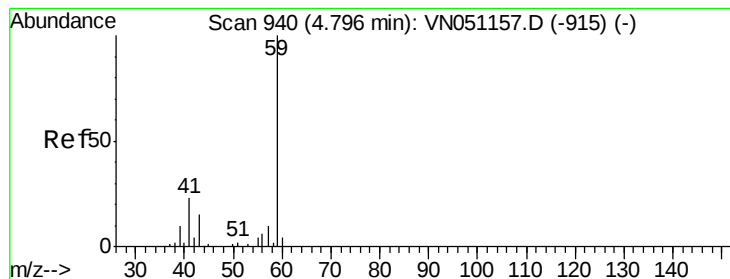
MMDadoda
 9/18/2018 4:31:37 PM



#10
 Methyl Iodide
 Concen: 18.32 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	93596		
127	39.6	31.0	46.4	
141	14.9	11.3	16.9	





#11

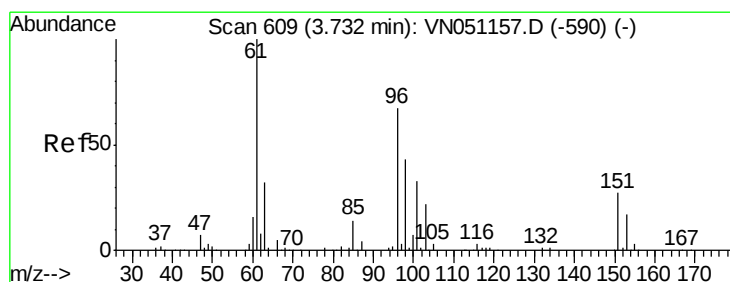
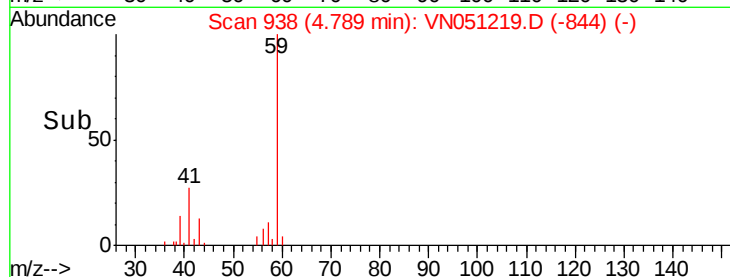
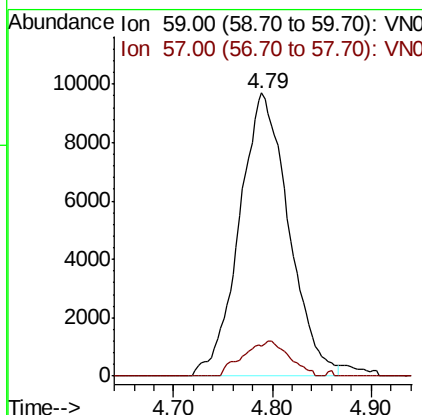
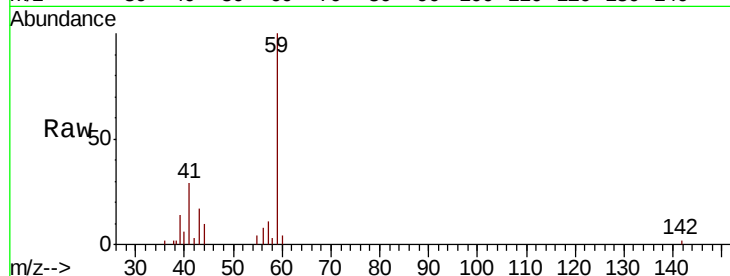
Tert butyl alcohol
 Concen: 63.85 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.1	12.1

Manual Integrations
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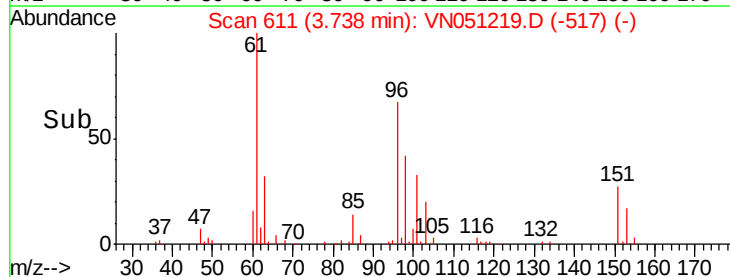
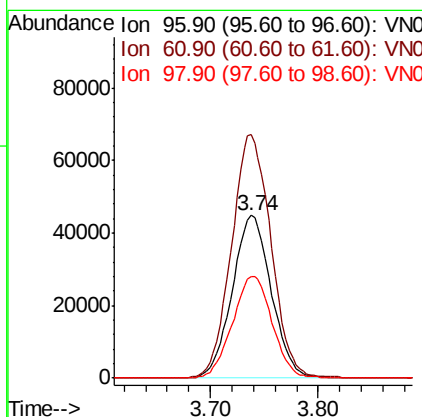
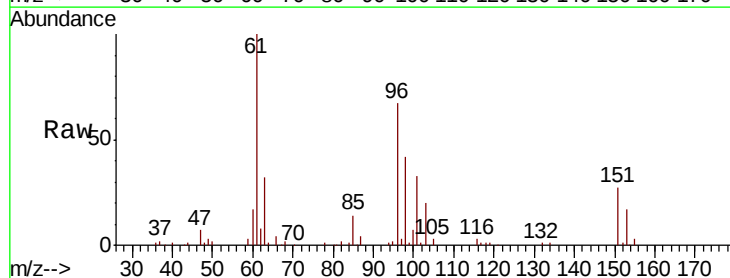
MMDadoda
 9/18/2018 4:31:37 PM

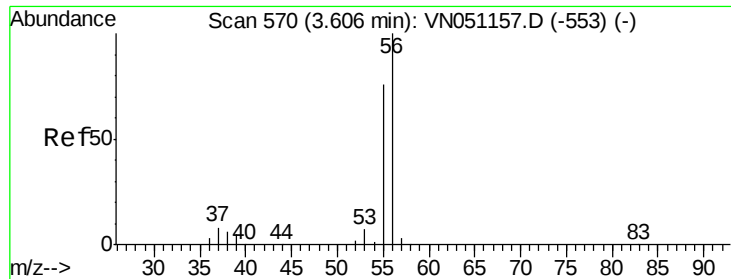


#12

1,1-Dichloroethene
 Concen: 17.09 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	120.3	180.5
98	62.5	50.8	76.2





#13

Acrolein

Concen: 56.63 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

VN0915WBSD01

Tot Ion: 56 Resp: 23022

Ion Ratio Lower Upper

56 100

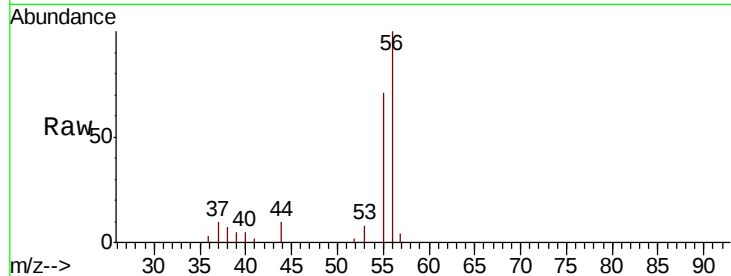
55 71.2 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

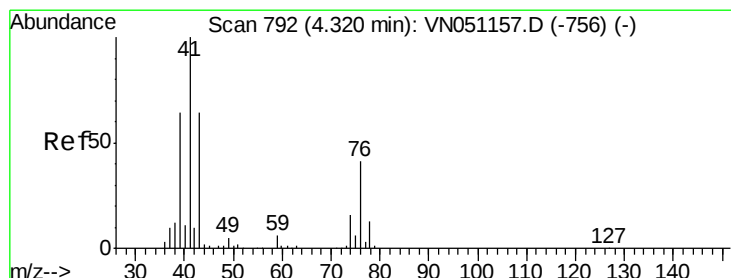
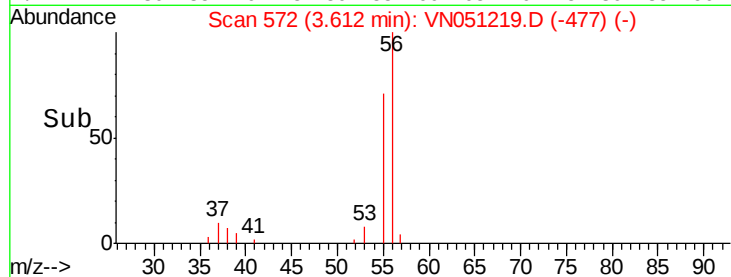
6000

4000

2000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 16.82 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

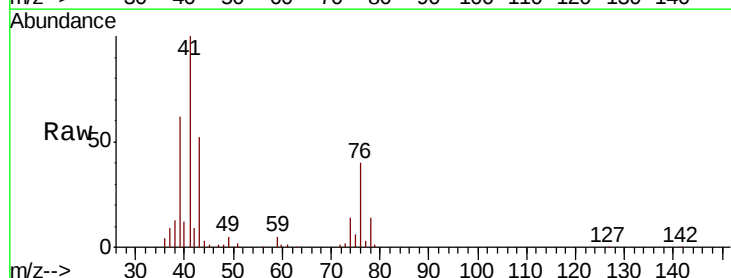
Tgt Ion: 41 Resp: 169227

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

76 39.0 30.6 45.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.33

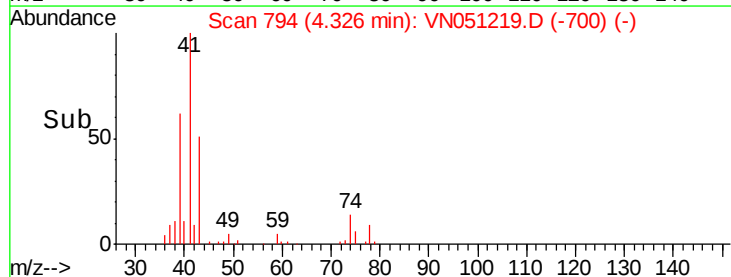
60000

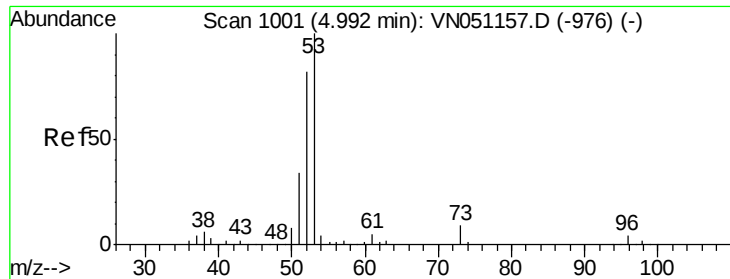
40000

20000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 76.03 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

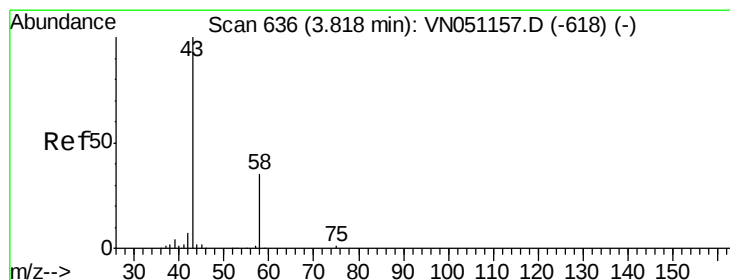
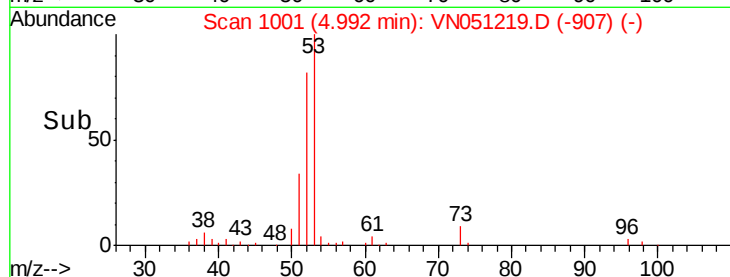
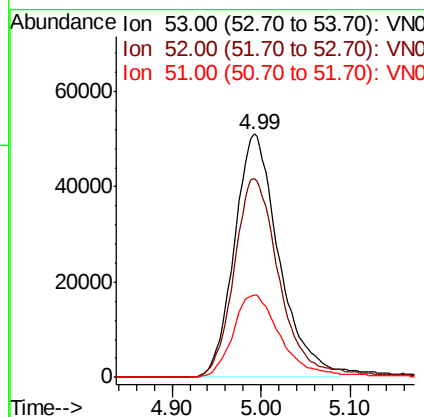
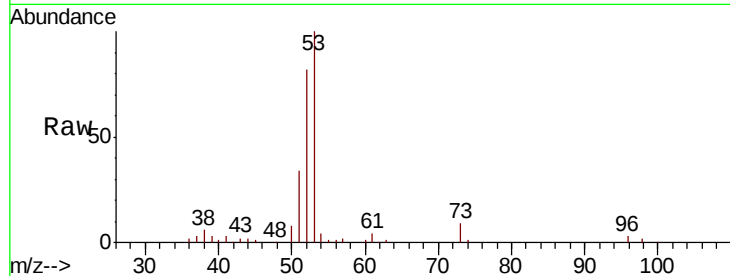
ClientSampleId :

VN0915WBSD01

Tot Ion:	53	Resp:	177328
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 72.10 ug/l

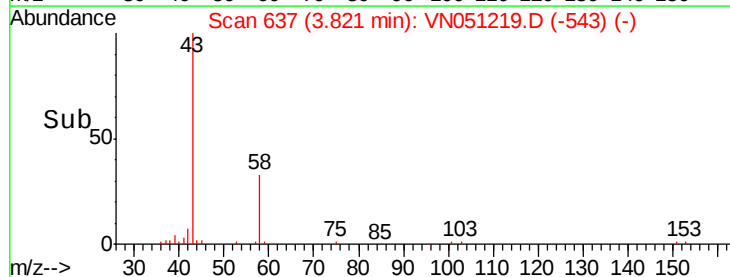
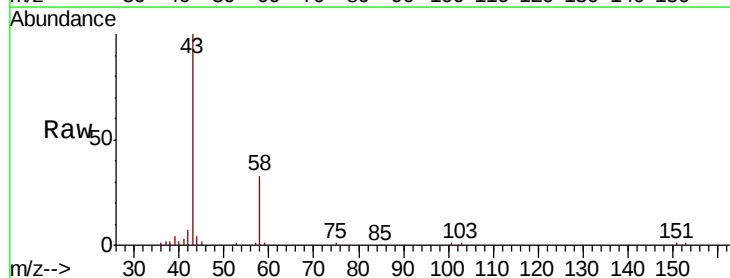
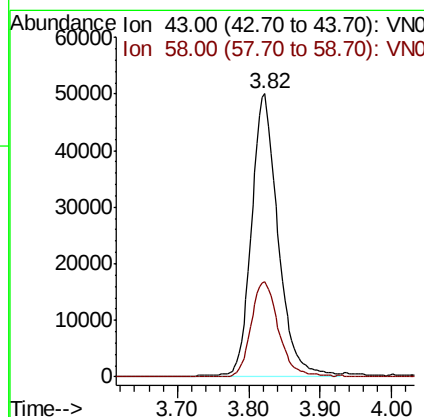
RT: 3.82 min Scan# 637

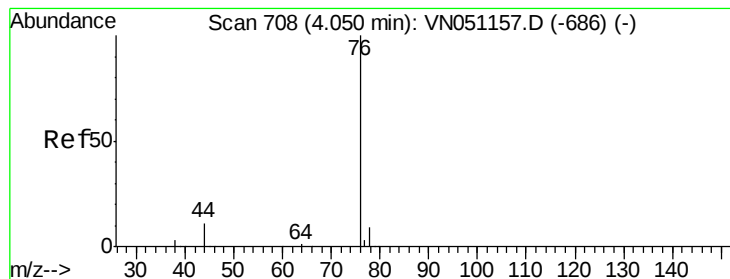
Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	43	Resp:	129929
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6





#17

Carbon Disulfide

Concen: 17.79 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 76 Resp: 344994

Ion Ratio Lower Upper

76 100

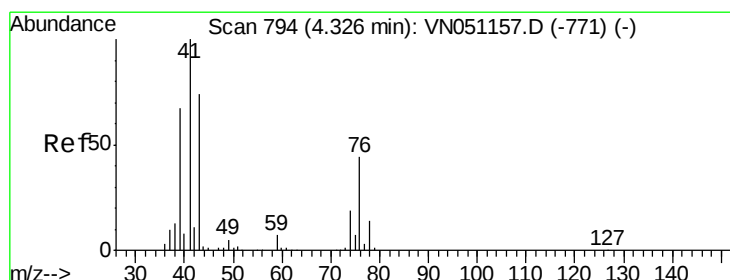
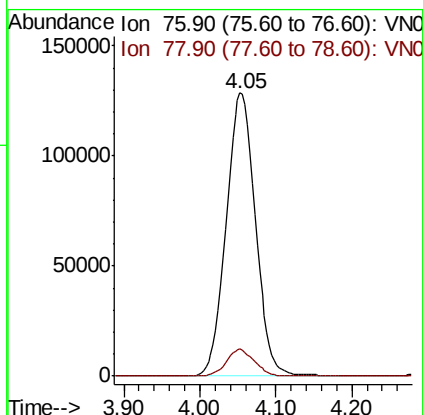
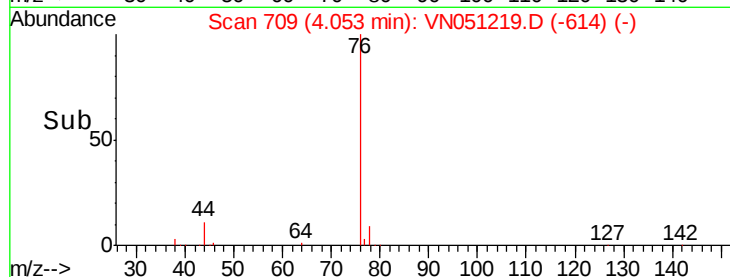
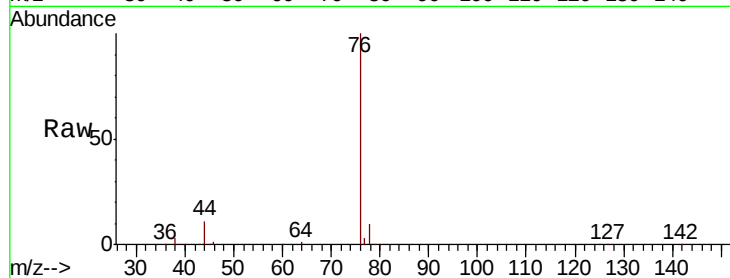
78 9.5 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 15.58 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051219.D

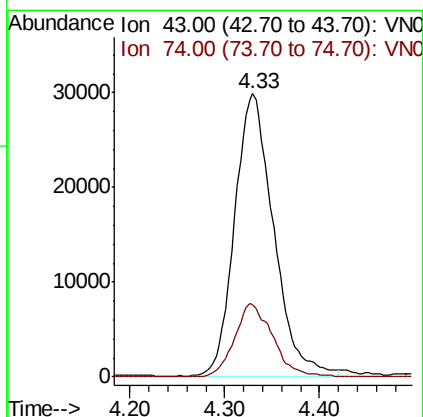
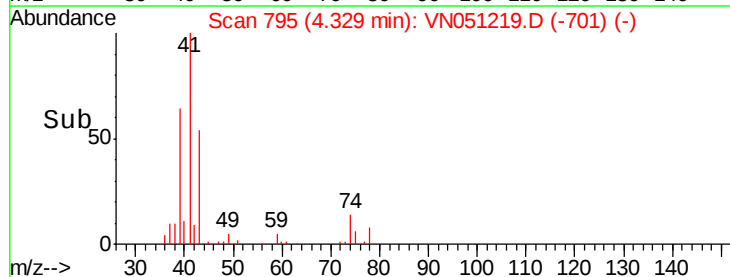
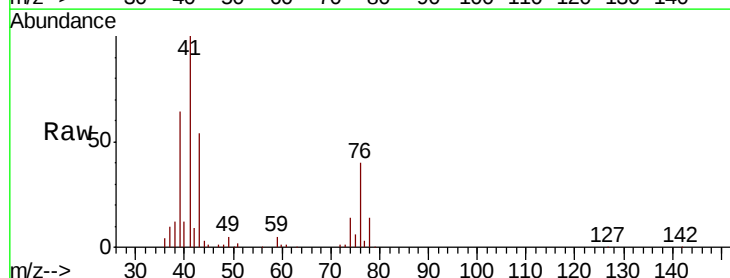
Acq: 15 Sep 2018 13:52

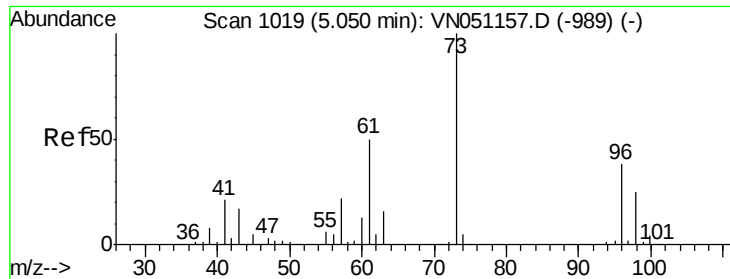
Tgt Ion: 43 Resp: 85992

Ion Ratio Lower Upper

43 100

74 25.2 20.7 31.1





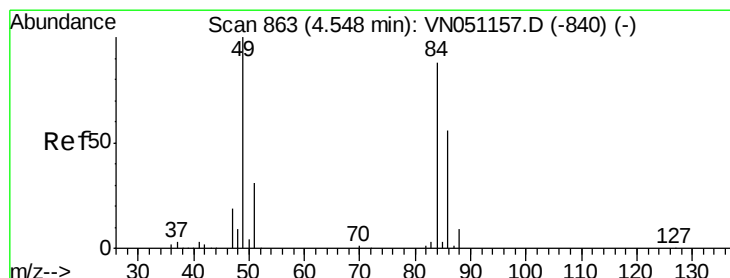
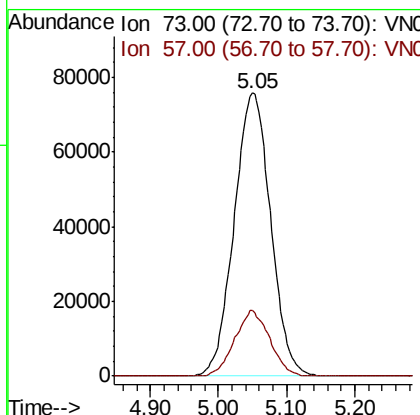
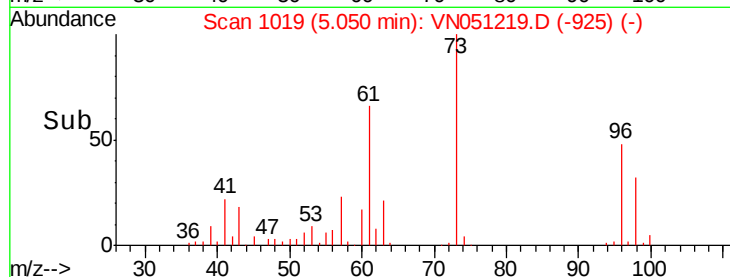
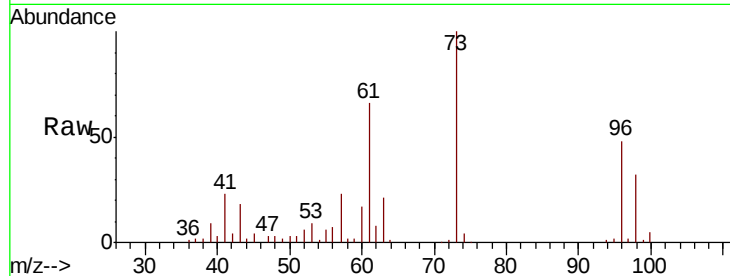
#19
Methvl tert-butvl Ether
Concen: 16.12 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.9	26.9

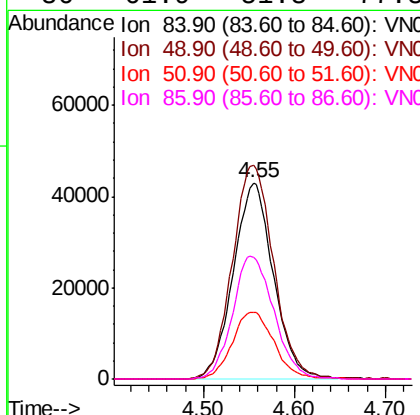
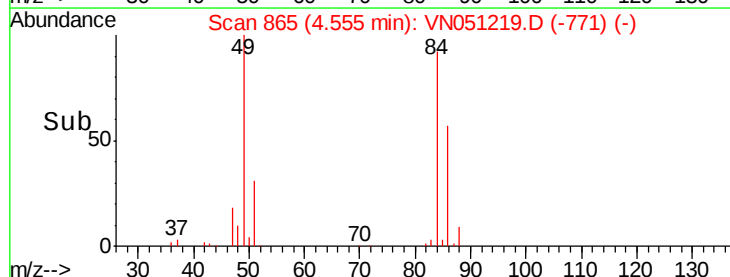
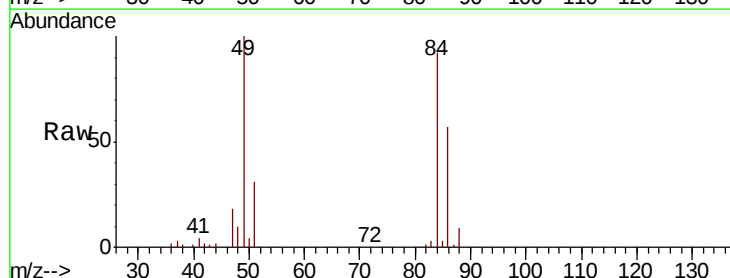
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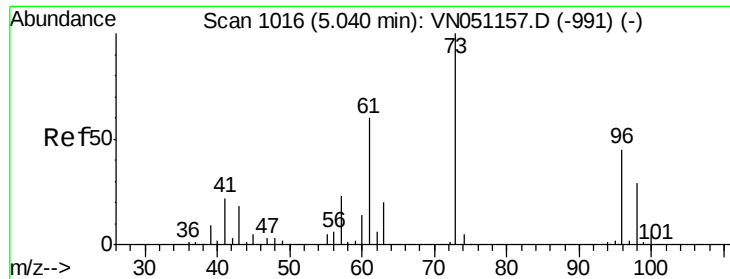
MMDadoda
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#20
Methylene Chloride
Concen: 17.30 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.0	90.2	135.2
51	34.3	28.4	42.6
86	61.9	51.8	77.8





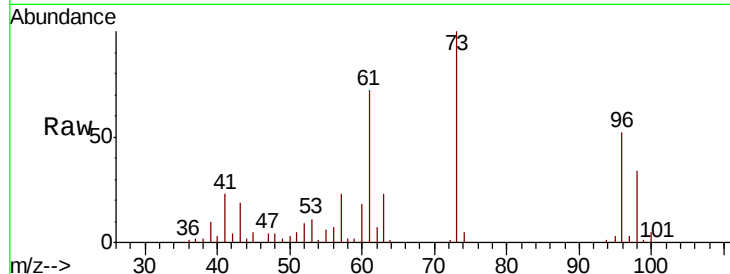
#21
trans-1,2-Dichloroethene
Concen: 16.90 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	106.5	159.7
98	65.4	50.4	75.6

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9/18/2018 4:31:37 PM

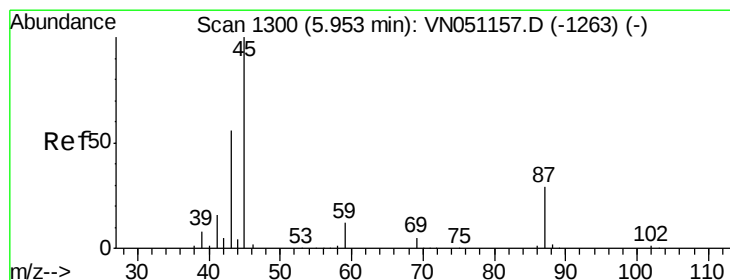
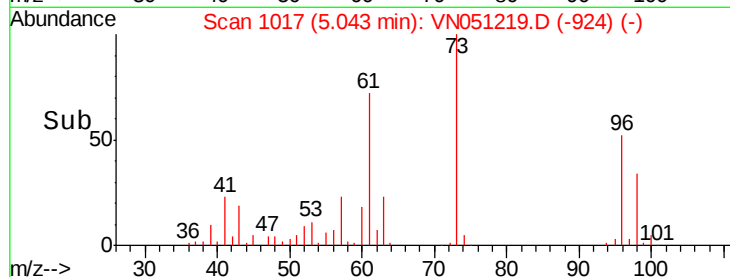
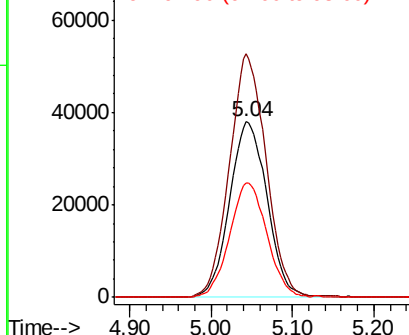


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 18.05 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	48.8	73.2
87	29.6	23.8	35.8
59	12.1	9.6	14.4

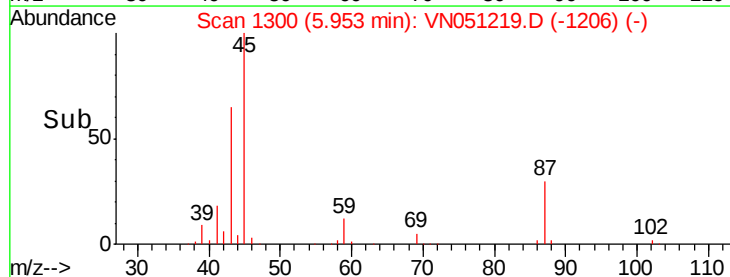
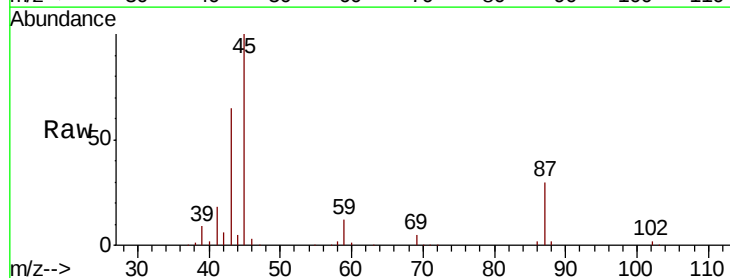
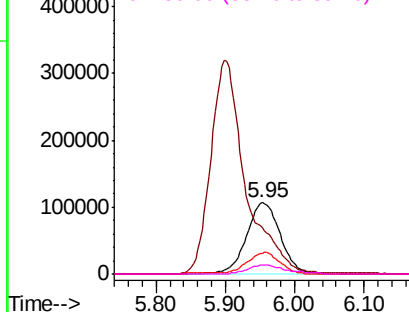
Abundance

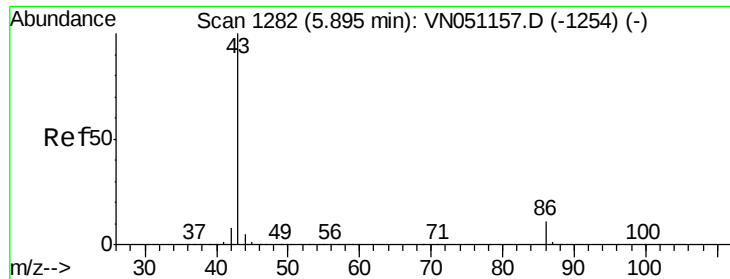
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





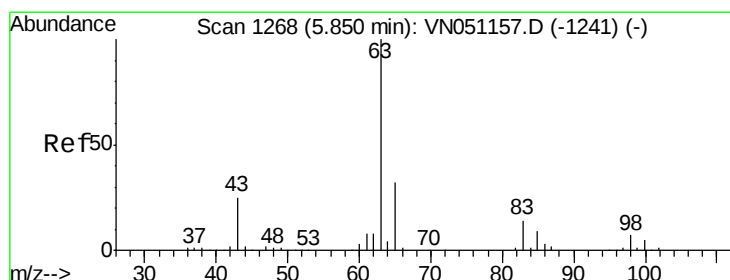
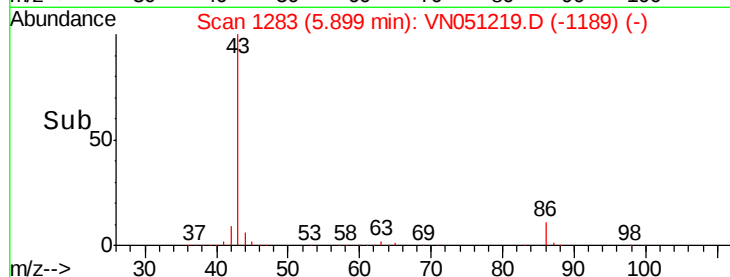
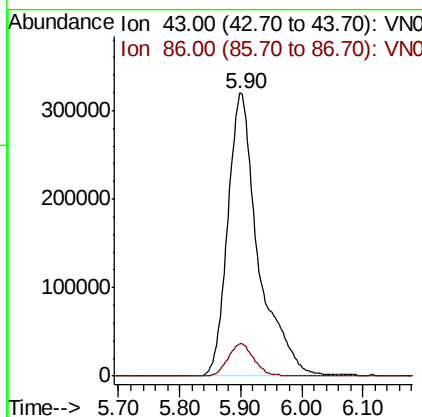
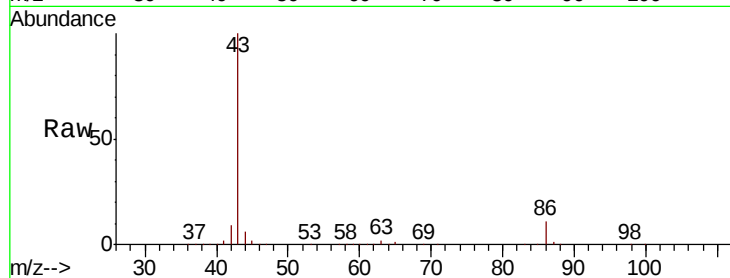
#23
 Vinyl Acetate
 Concen: 82.71 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion: 43 Resp: 1118080
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8

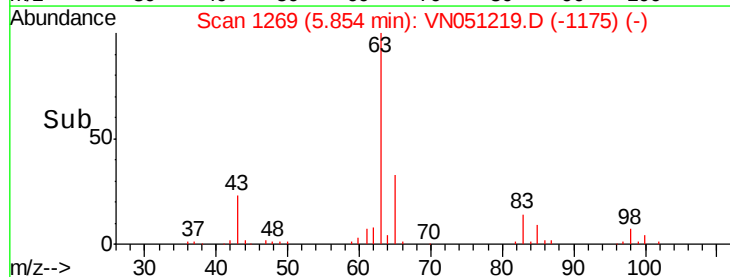
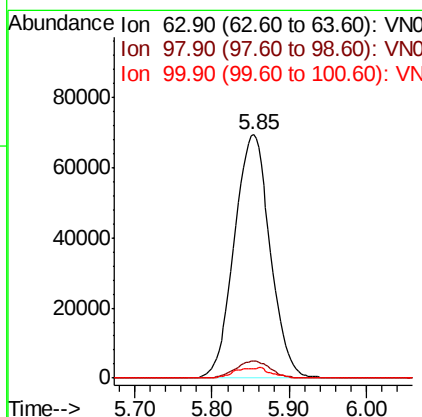
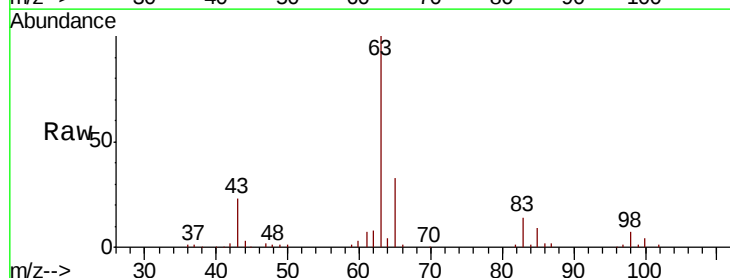
Manual Integrations
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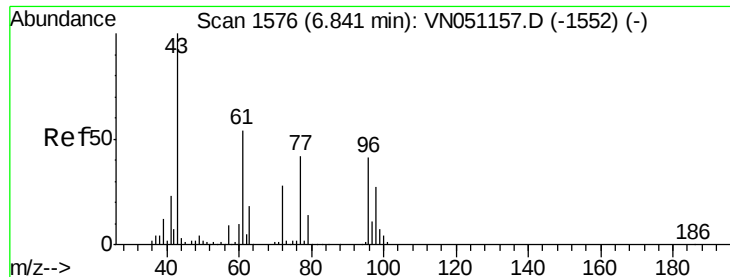
MMDadoda
 9/18/2018 4:31:37 PM



#24
 1,1-Dichloroethane
 Concen: 17.64 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion: 63 Resp: 223518
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 3.9 2.1 6.3





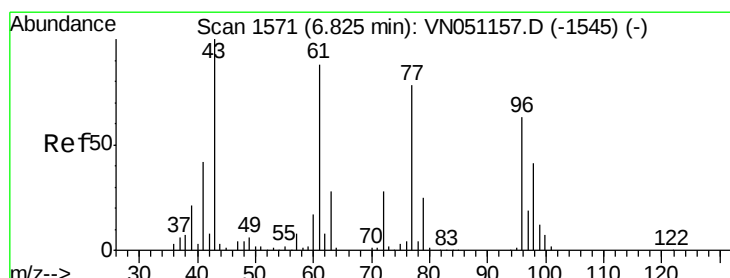
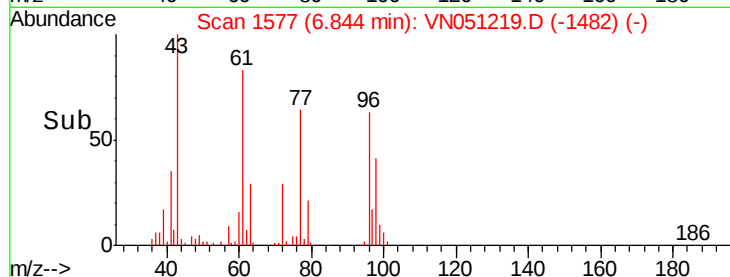
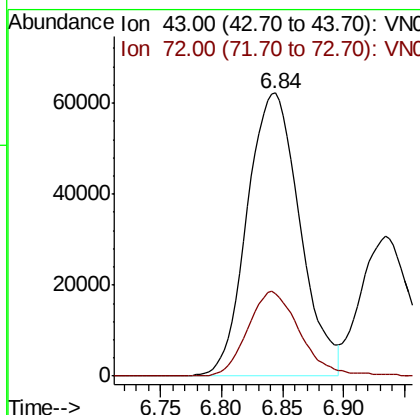
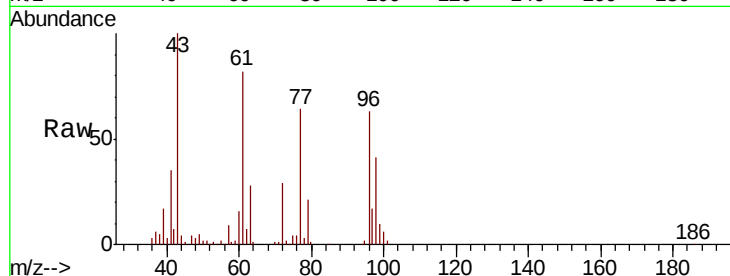
#25
2-Butanone
Concen: 69.12 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion: 43 Resp: 187262
Ion Ratio Lower Upper
43 100
72 29.3 23.0 34.6

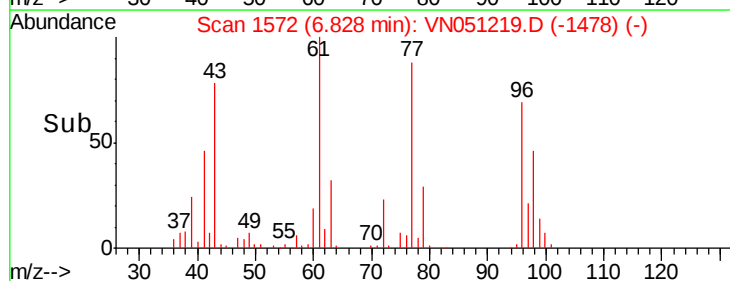
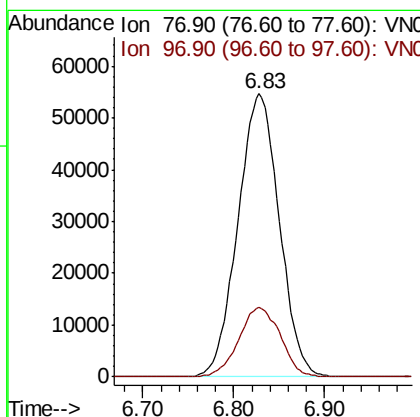
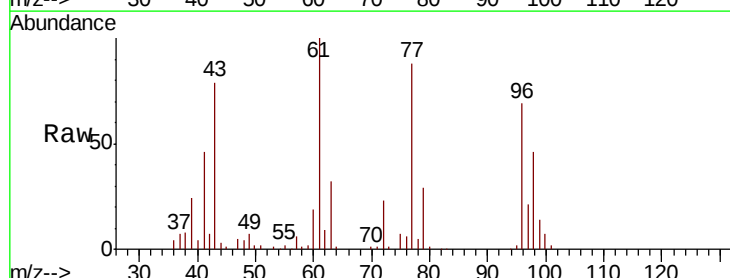
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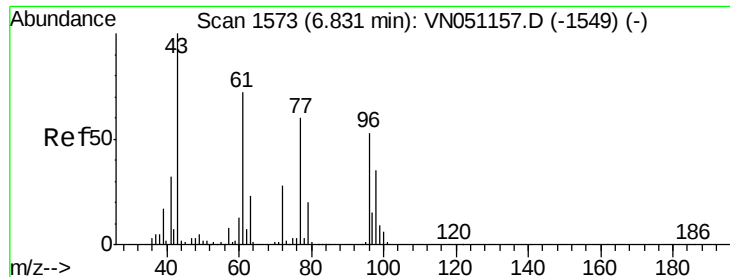
MMDadoda
9/18/2018 4:31:37 PM



#26
2,2-Dichloropropane
Concen: 16.64 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion: 77 Resp: 172671
Ion Ratio Lower Upper
77 100
97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 17.09 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

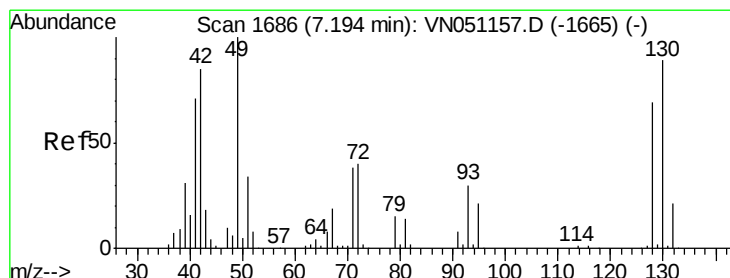
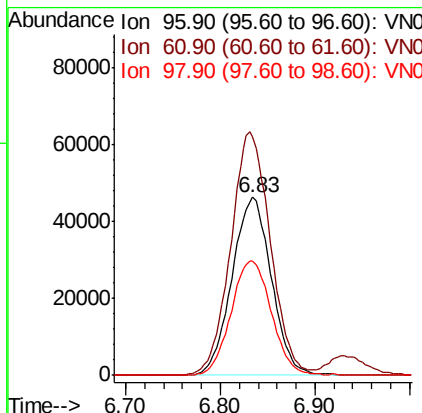
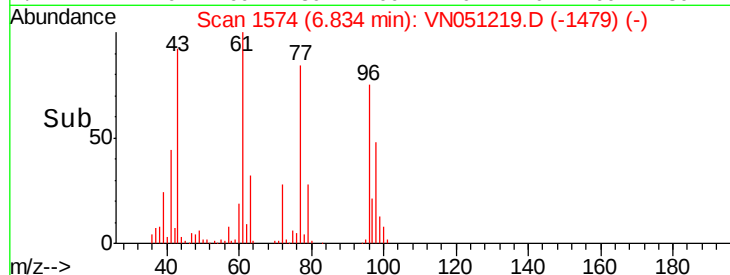
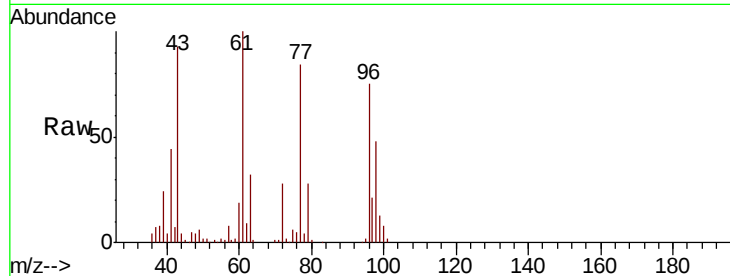
ClientSampleId :

VN0915WBSD01

Tot Ion:	96	Resp:	134311
Ion Ratio	Lower	Upper	
96	100		
61	137.0	0.0	278.2
98	65.7	0.0	129.4

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#28

Bromochloromethane

Concen: 16.56 ug/l

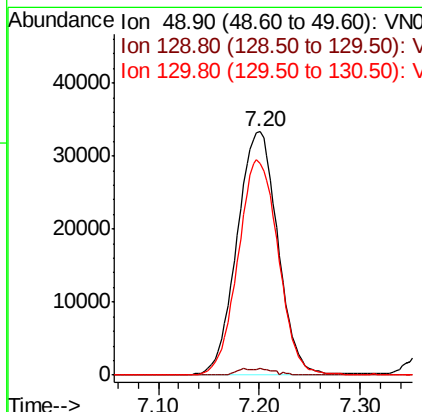
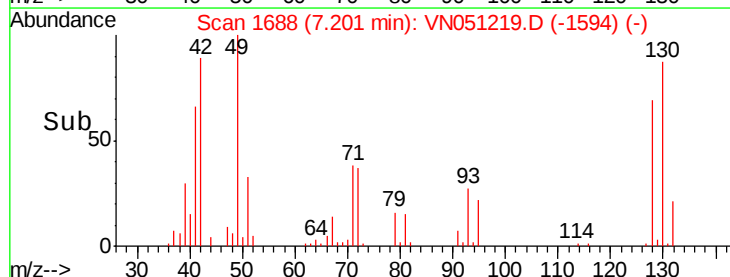
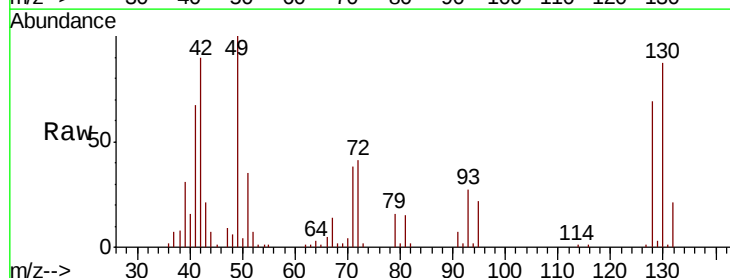
RT: 7.20 min Scan# 1688

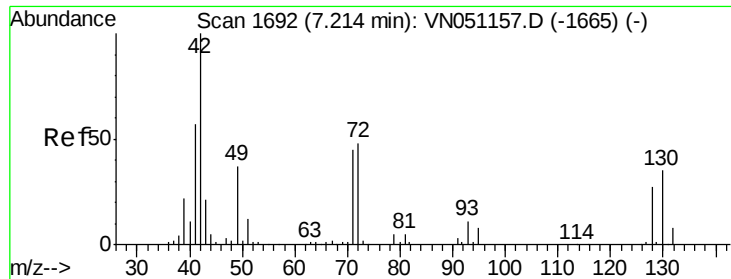
Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	49	Resp:	93433
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	4.4
130	87.4	70.7	106.1





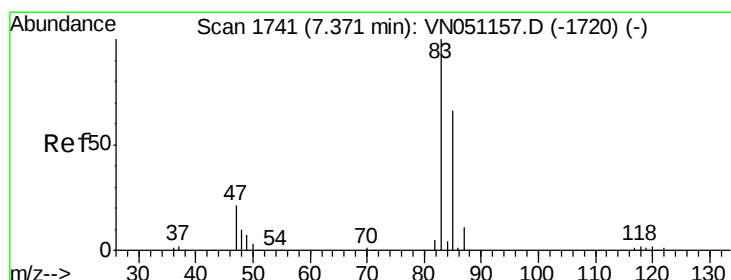
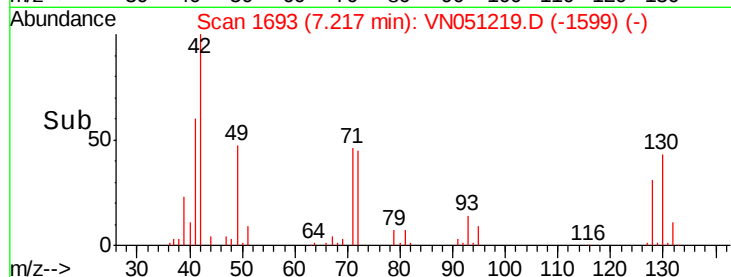
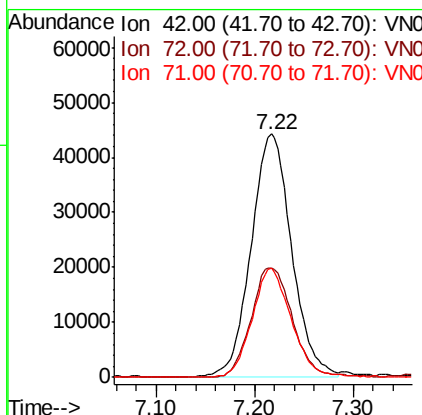
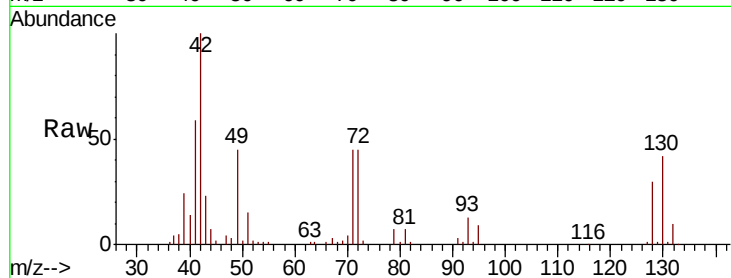
#29
Tetrahydrofuran
Concen: 74.57 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.4	56.0
71	43.2	34.7	52.1

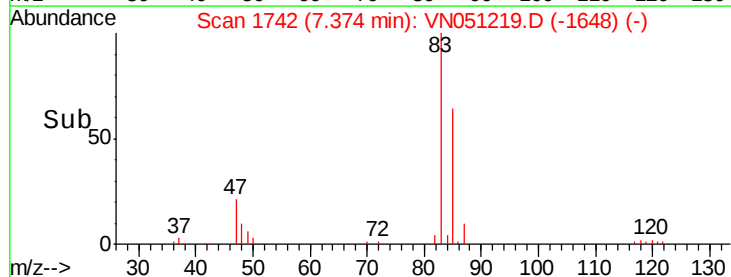
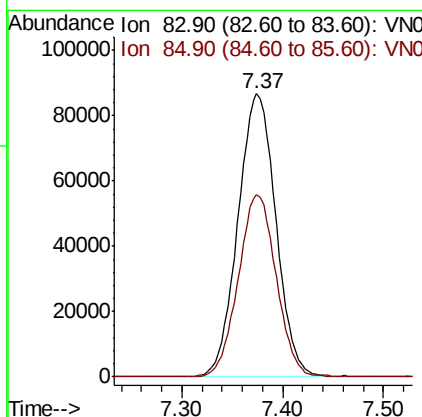
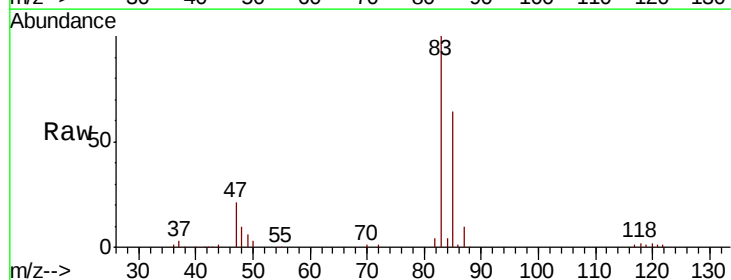
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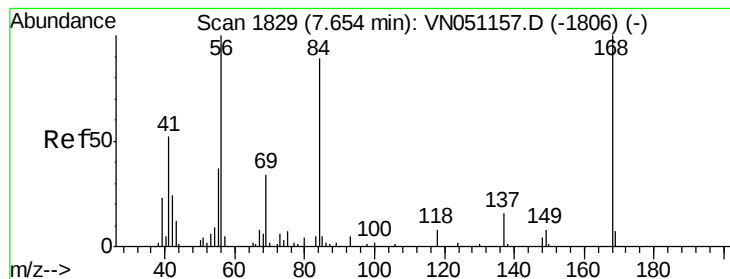
MMDadoda
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#30
Chloroform
Concen: 17.95 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





#31

Cyclohexane

Concen: 17.48 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 56 Resp: 199273

Ion Ratio Lower Upper

56 100

69 37.2 26.3 39.5

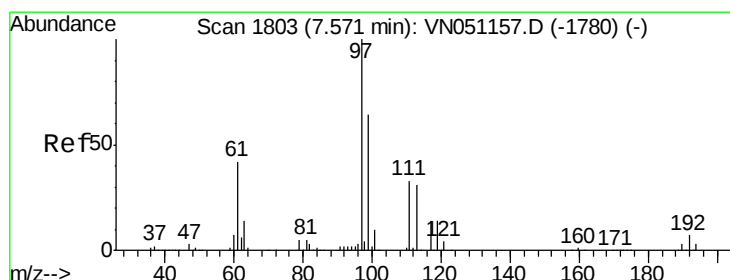
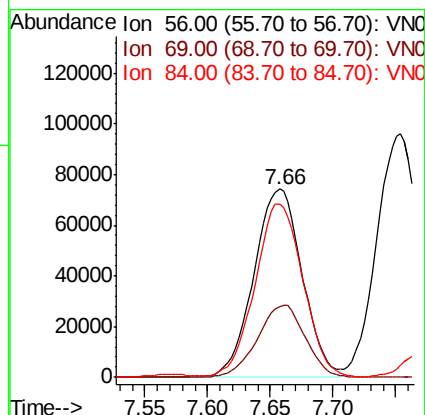
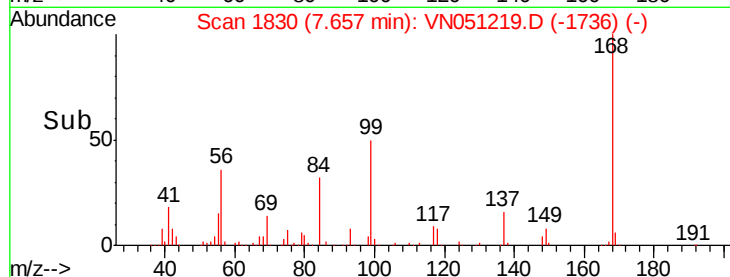
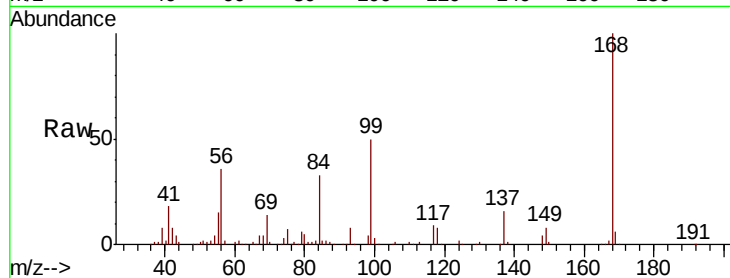
84 91.1 69.4 104.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.04 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

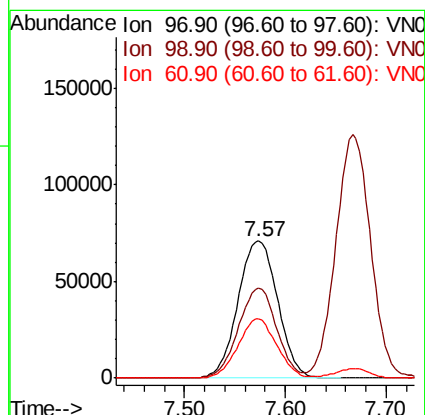
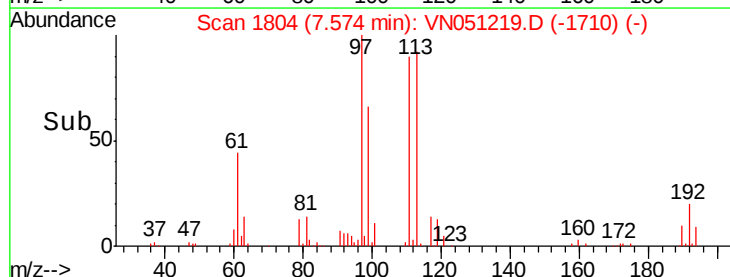
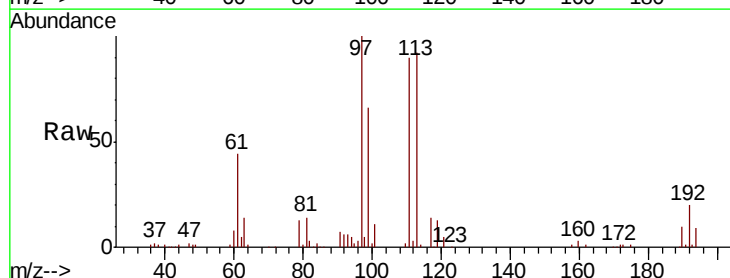
Tgt Ion: 97 Resp: 193826

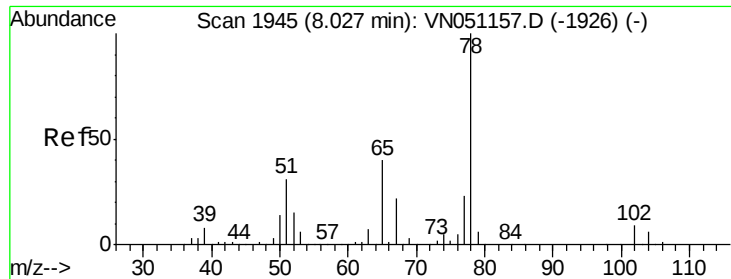
Ion Ratio Lower Upper

97 100

99 63.5 51.6 77.4

61 42.4 33.8 50.6





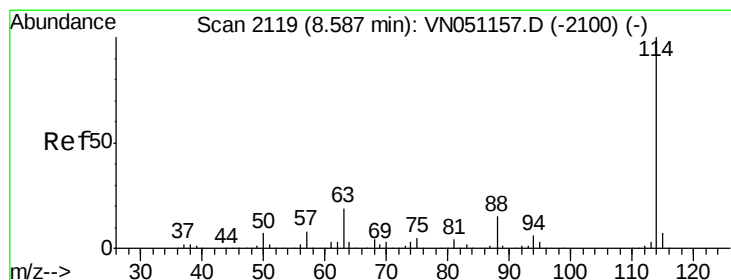
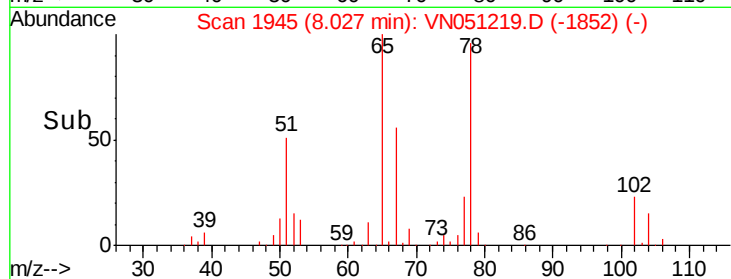
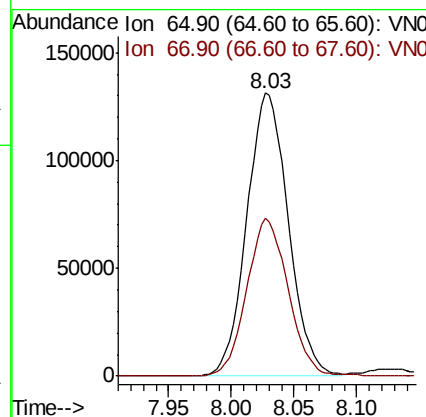
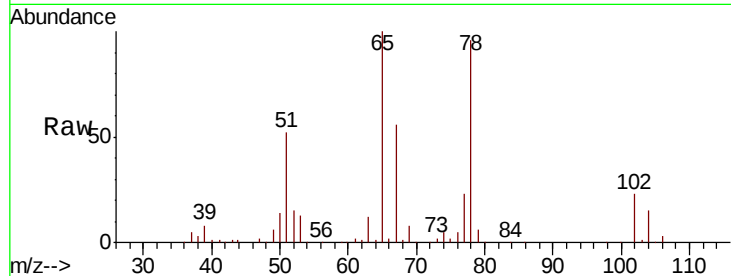
#33
 1,2-Dichloroethane-d4
 Concen: 43.88 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	302368		
67	55.7	0.0	112.0	

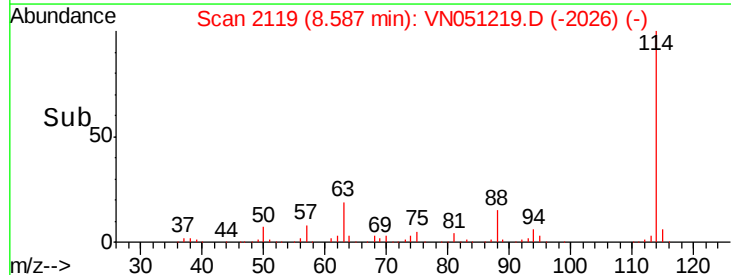
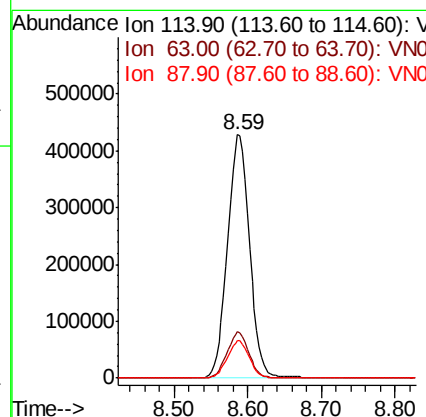
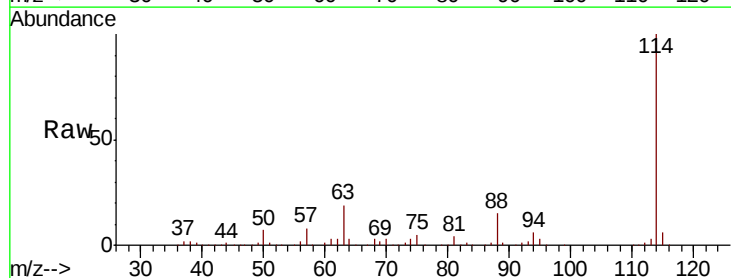
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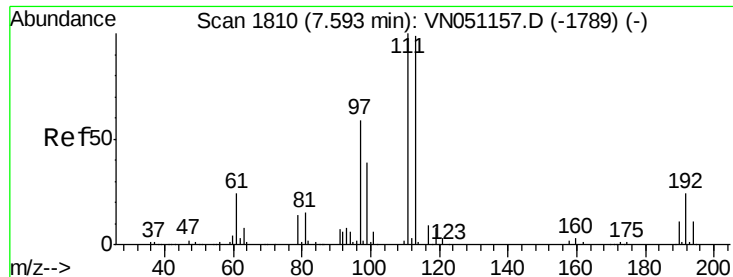
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	893393		
63	19.0	0.0	37.8	
88	15.4	0.0	30.8	





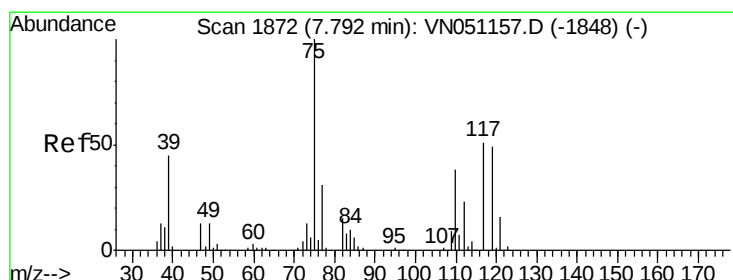
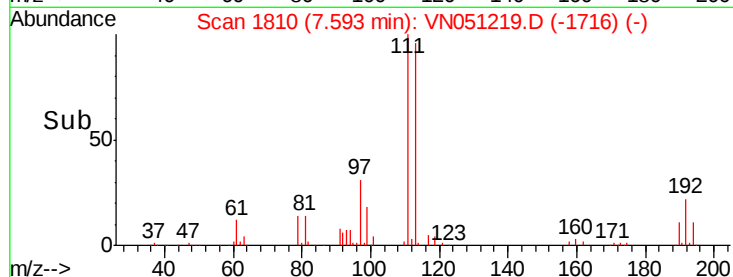
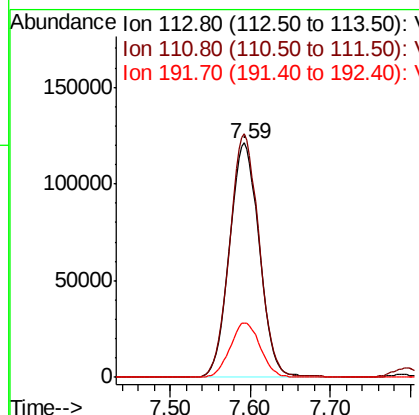
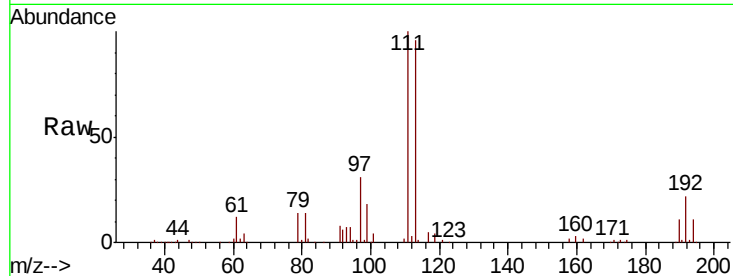
#35
 Dibromofluoromethane
 Concen: 45.73 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	307000		
111	102.2	83.0	124.6	
192	23.4	18.7	28.1	

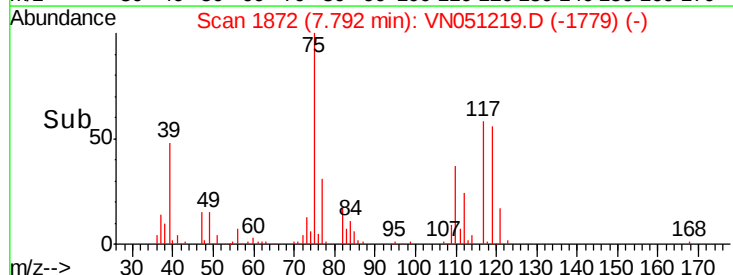
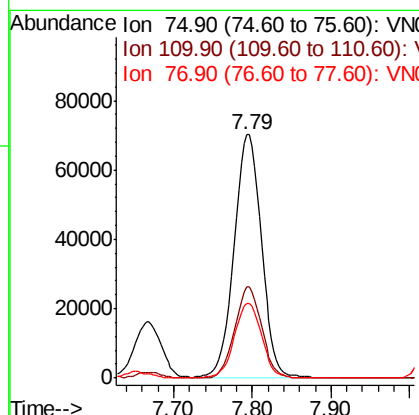
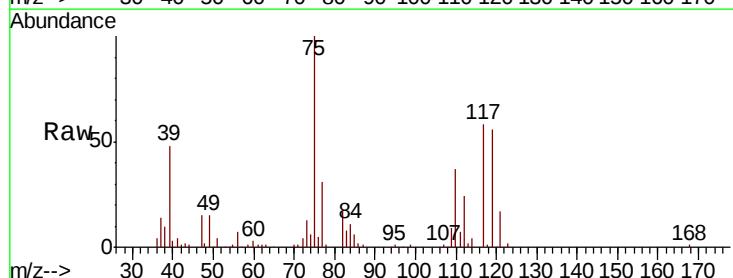
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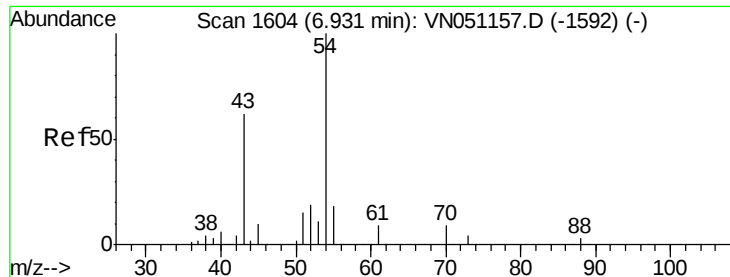
MMDadoda
 9/18/2018 4:31:37 PM



#36
 1,1-Dichloropropene
 Concen: 17.43 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170983		
110	36.5	18.6	55.8	
77	30.8	25.2	37.8	





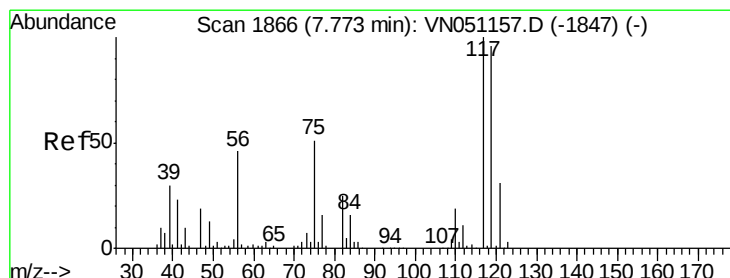
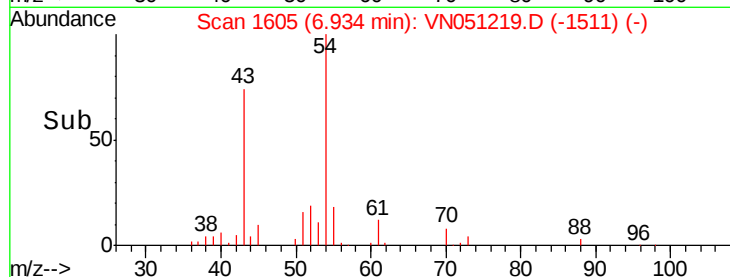
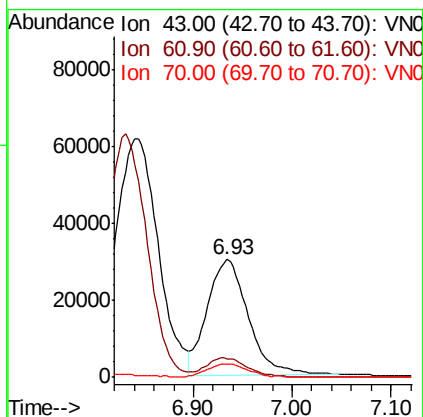
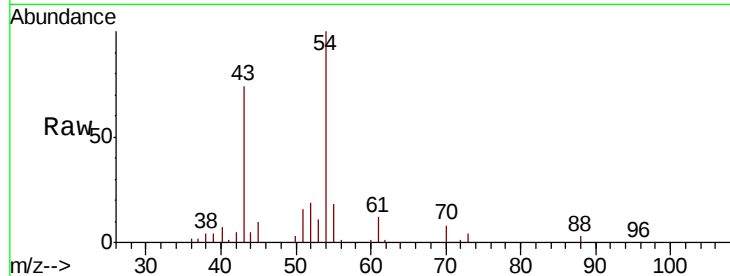
#37
Ethyl Acetate
Concen: 15.54 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.4	18.6
70	10.2	9.3	13.9

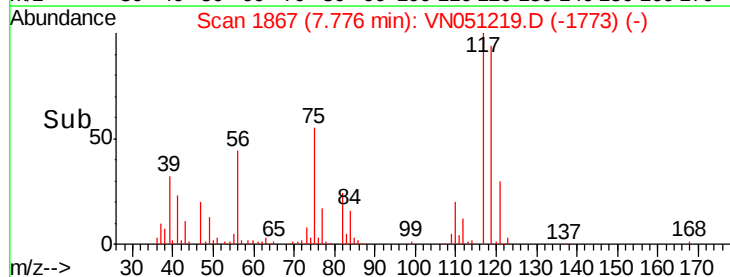
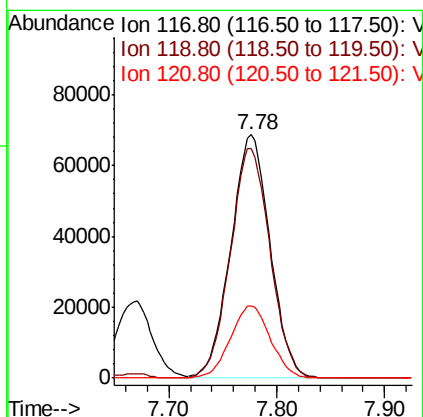
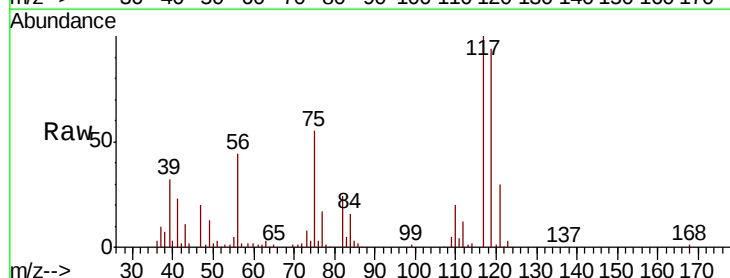
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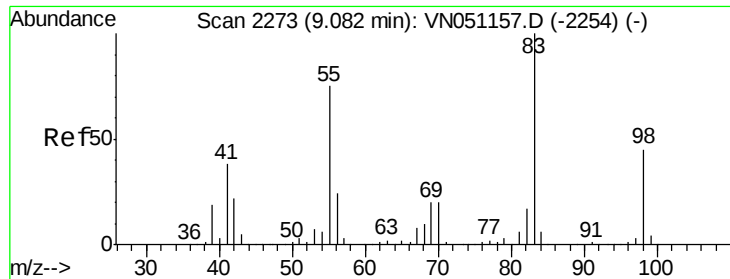
MMDadoda
9/18/2018 4:31:37 PM



#38
Carbon Tetrachloride
Concen: 18.07 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.8	115.2
121	29.7	24.6	36.8





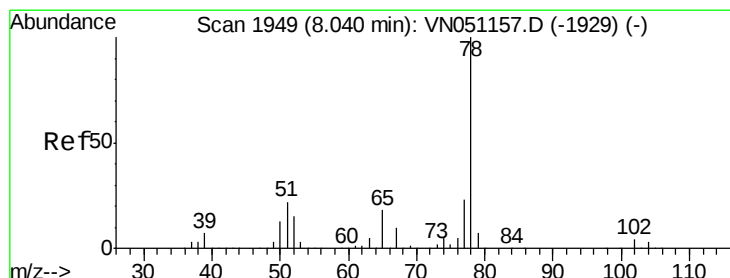
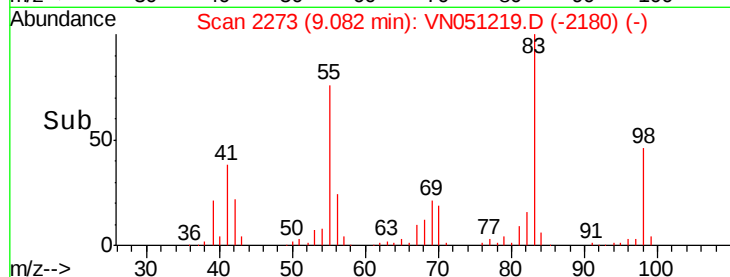
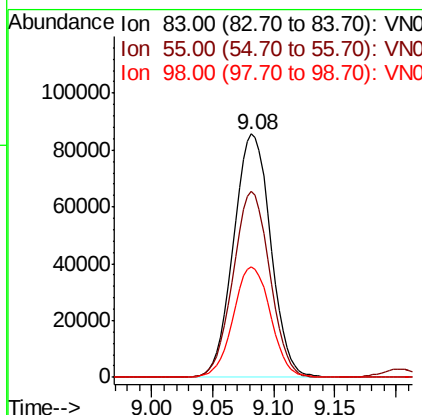
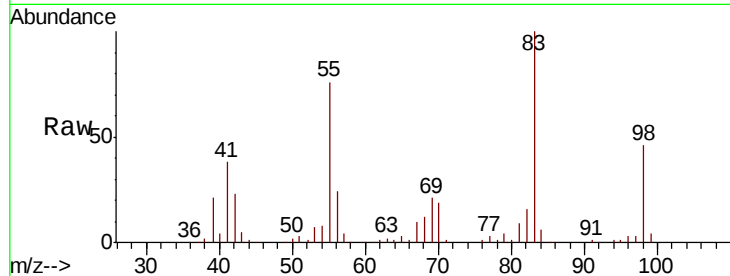
#39
Methvlcvclohexane
Concen: 16.73 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	83.00	Resp	181052
Ion	Ratio	Lower	Upper
83	100		
55	76.5	58.4	87.6
98	45.5	37.3	55.9

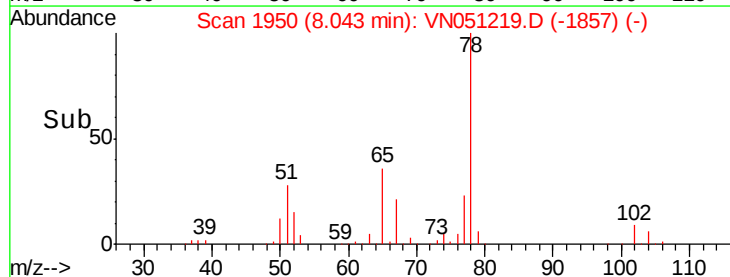
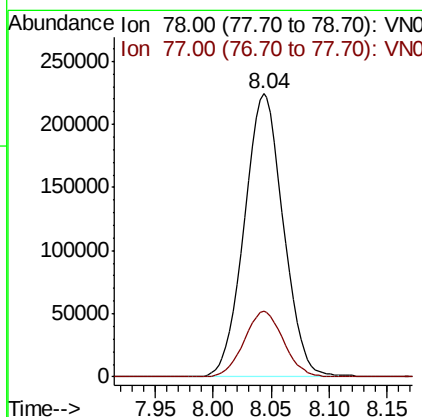
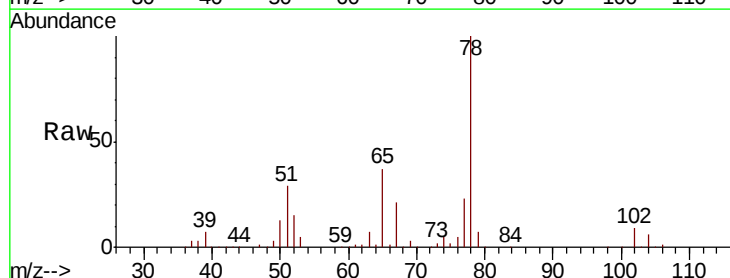
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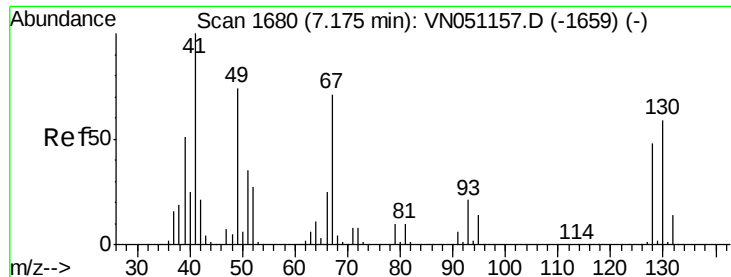
MMDadoda
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#40
Benzene
Concen: 17.75 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	78.00	Resp	524688
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8





#41

Methacrylonitrile

Concen: 16.07 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 41 Resp: 47091

Ion Ratio Lower Upper

41 100

39 60.4 51.3 76.9

67 88.2 78.5 117.7

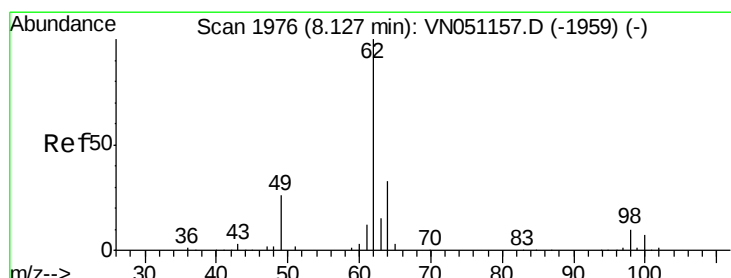
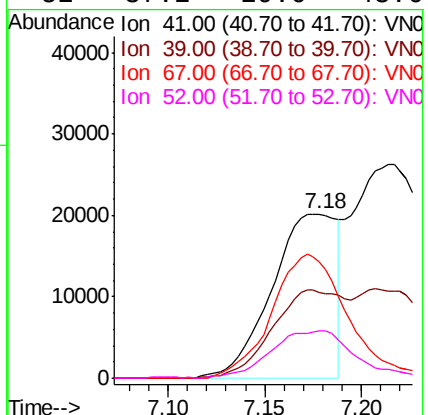
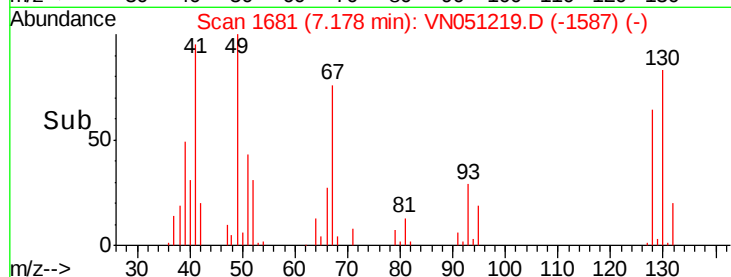
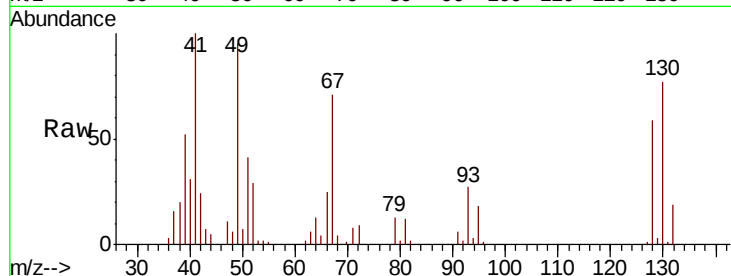
52 37.2 29.0 43.6

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 17.71 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051219.D

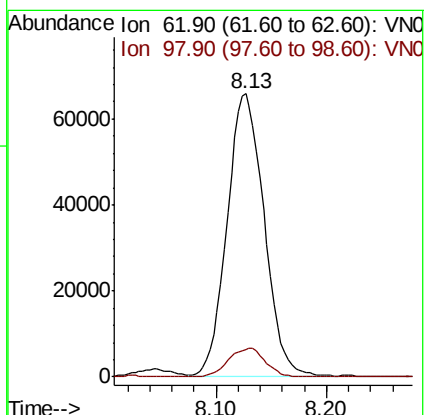
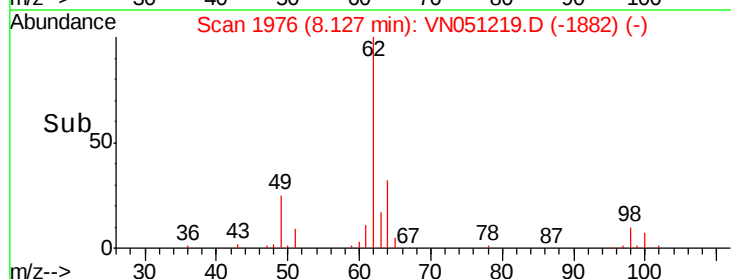
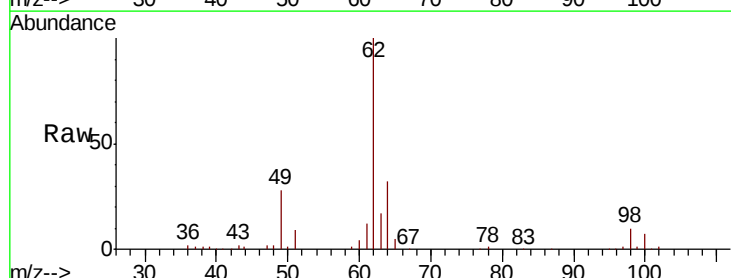
Acq: 15 Sep 2018 13:52

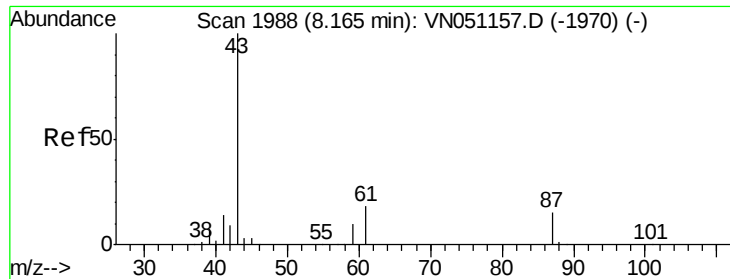
Tgt Ion: 62 Resp: 152578

Ion Ratio Lower Upper

62 100

98 10.1 0.0 21.0





#43

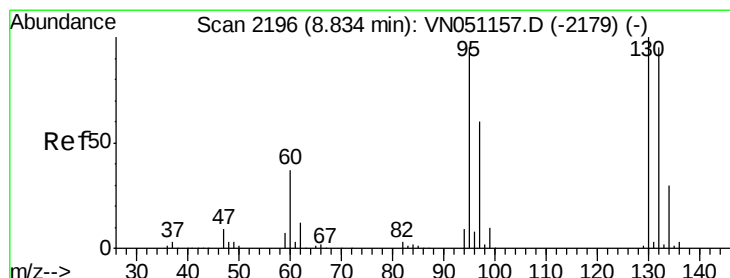
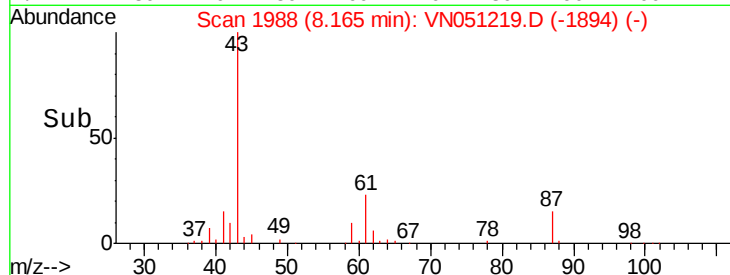
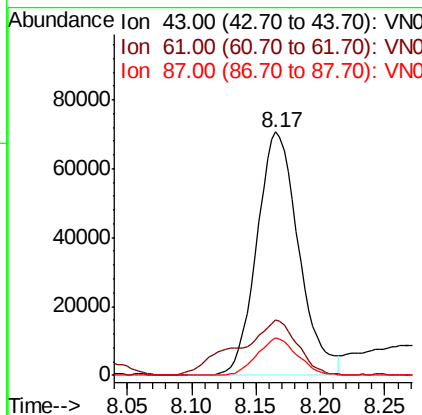
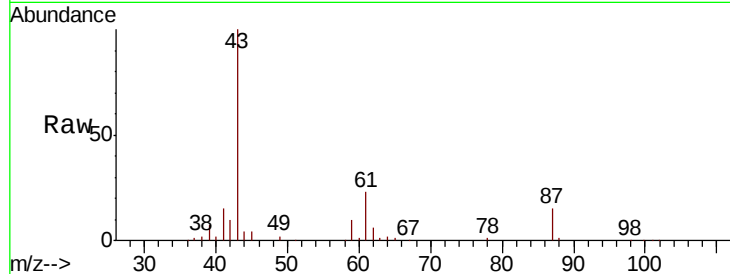
Isopropyl Acetate
 Concen: 15.97 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.0	37.6
87	14.8	11.8	17.8

Manual Integrations
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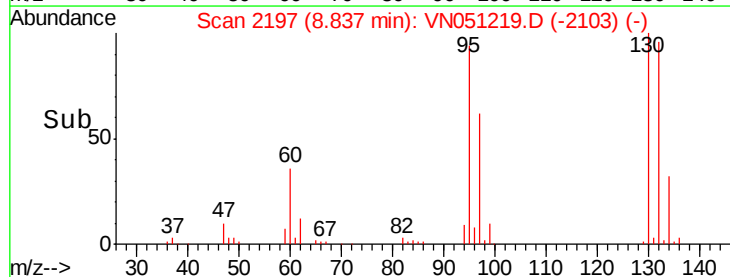
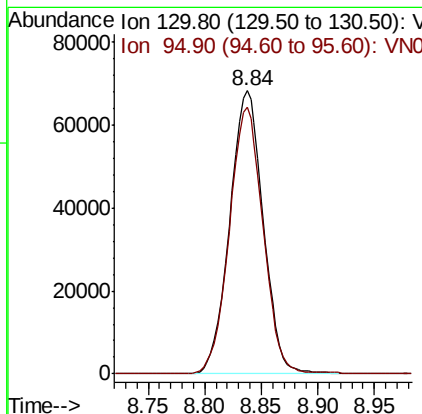
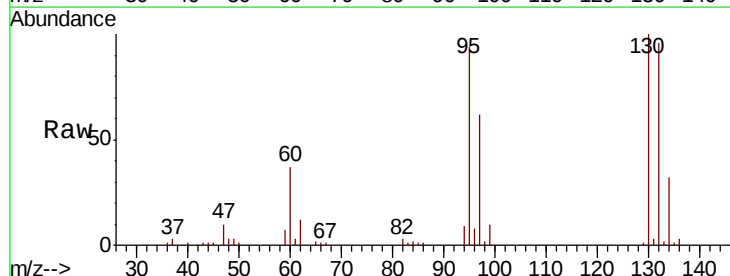
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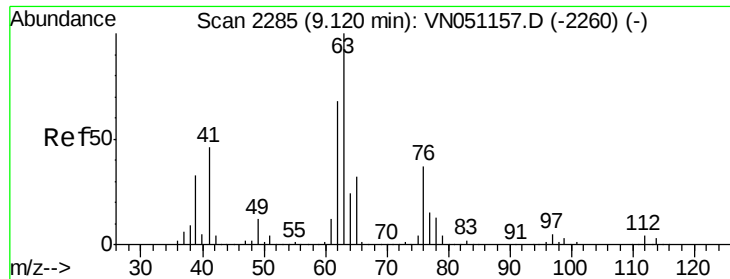


#44

Trichloroethene
 Concen: 17.39 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	186.2





#45

1,2-Dichloropropane

Concen: 17.64 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 63 Resp: 134723

Ion Ratio Lower Upper

63 100

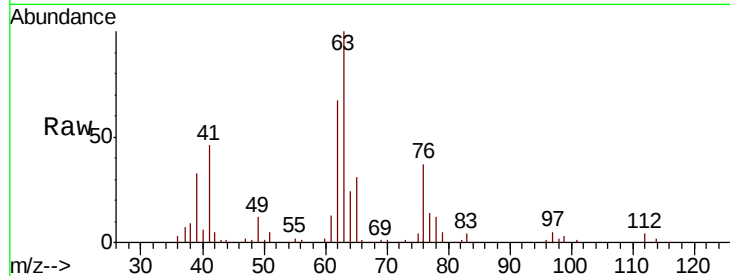
65 31.4 24.7 37.1

Manual Integrations

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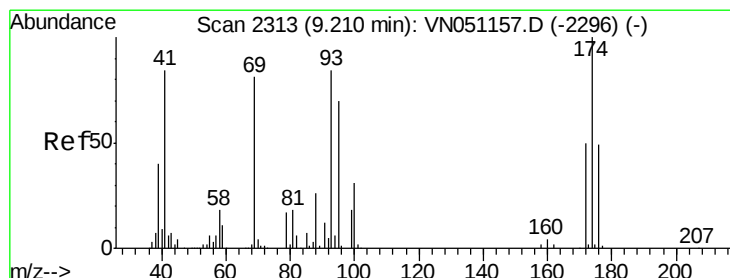
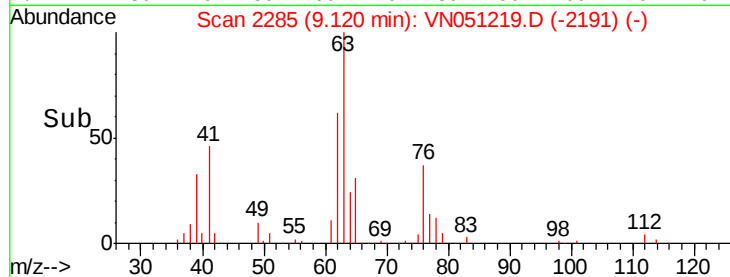
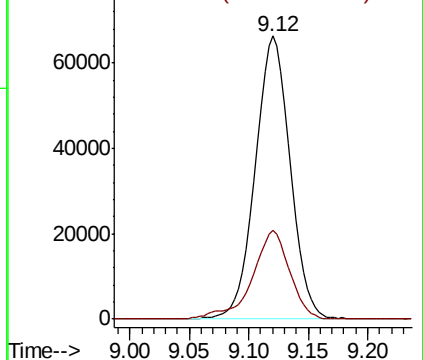
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 16.62 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

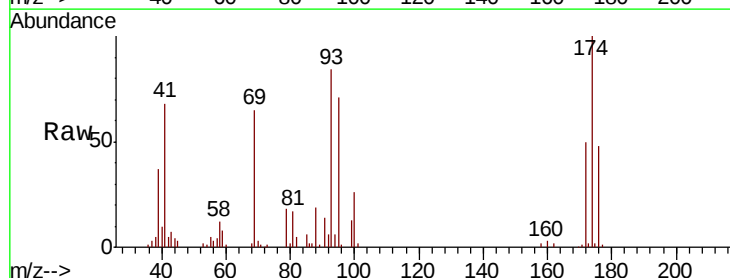
Tgt Ion: 93 Resp: 77443

Ion Ratio Lower Upper

93 100

95 85.2 66.8 100.2

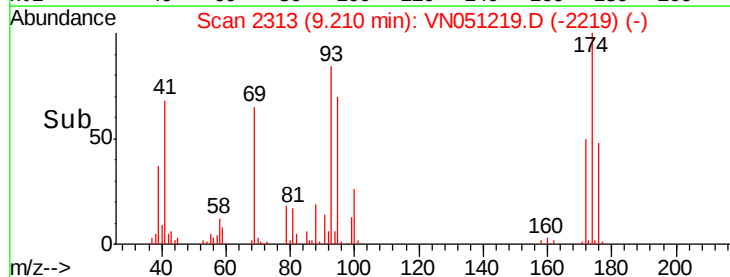
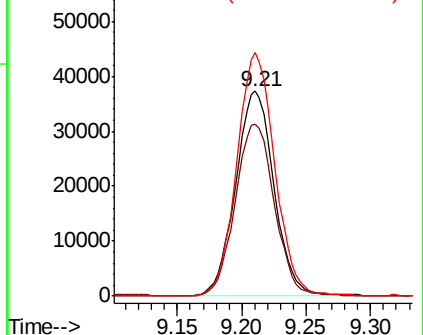
174 117.1 93.3 139.9

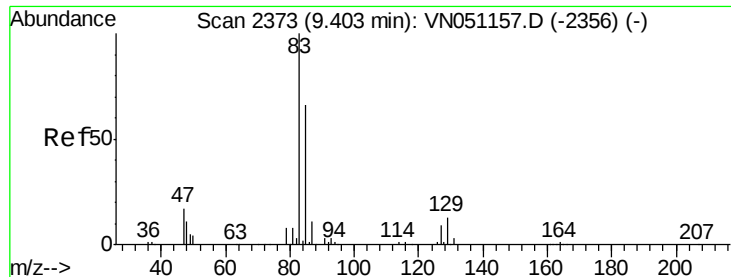


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.94 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

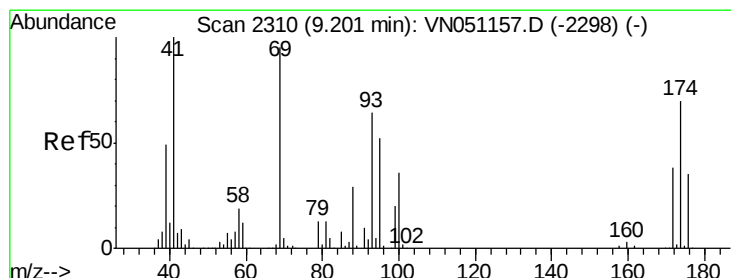
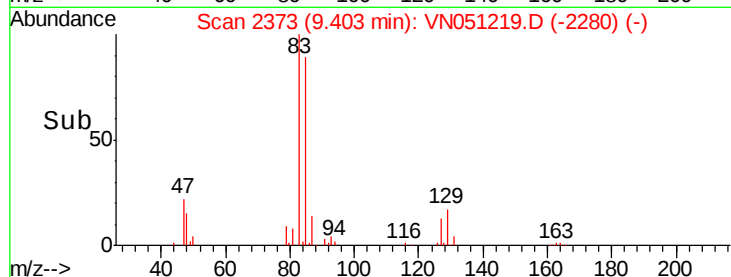
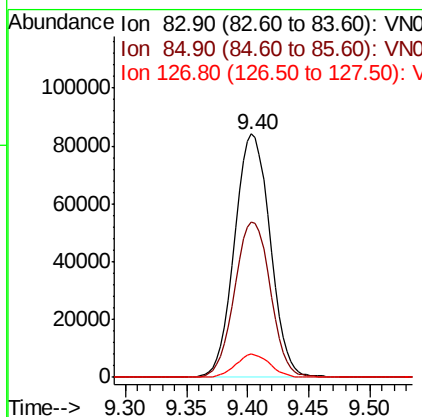
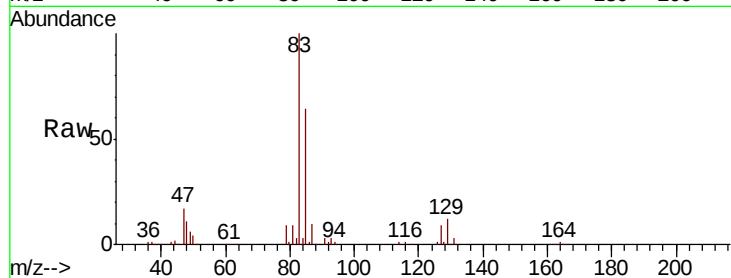
ClientSampleId :

VN0915WBSD01

Tot Ion:	83	Resp:	169978
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.3	78.5
127	9.5	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.45 ug/l

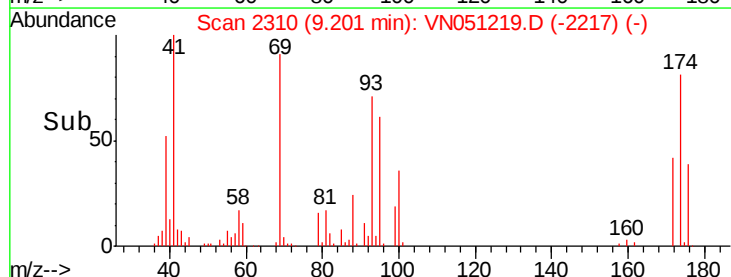
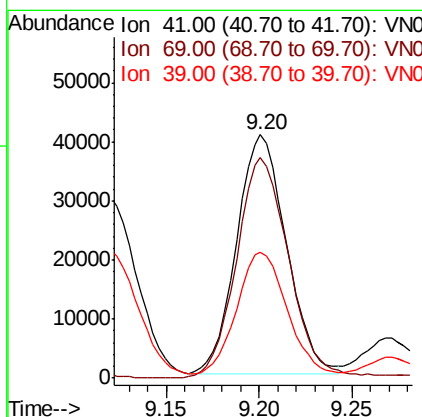
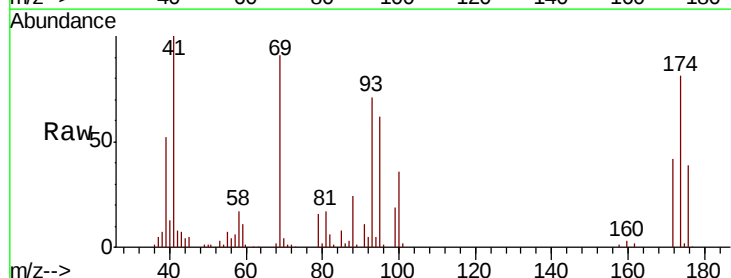
RT: 9.20 min Scan# 2310

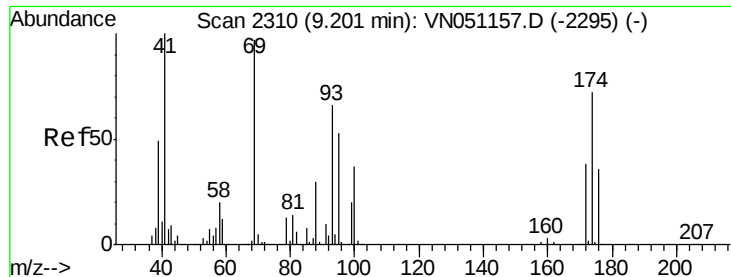
Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	41	Resp:	75472
Ion Ratio	Lower	Upper	
41	100		
69	97.5	77.7	116.5
39	53.8	41.6	62.4





#49

1,4-Dioxane

Concen: 272.67 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

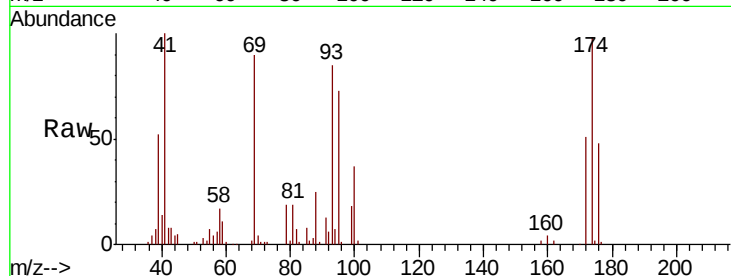
ClientSampleId :

VN0915WBSD01

Tot Ion	88	Resp	20886
Ion	Ratio	Lower	Upper
88	100		
43	32.3	23.7	35.5
58	69.0	54.6	82.0

Manual Integrations
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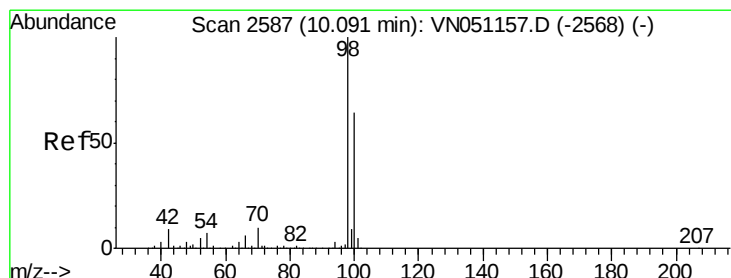
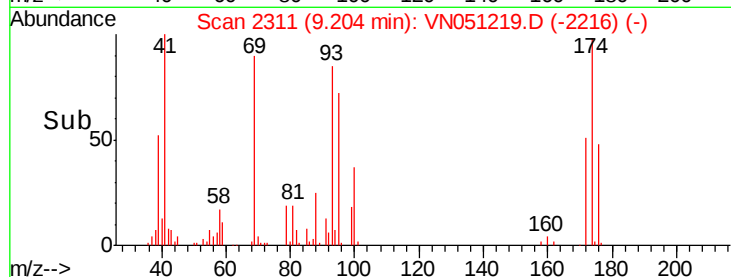
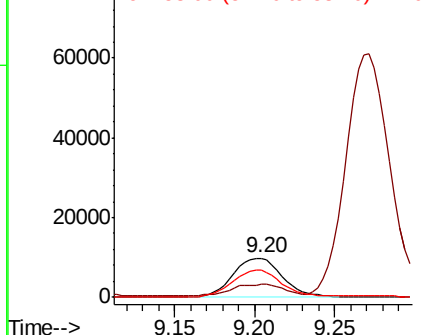


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 42.87 ug/l

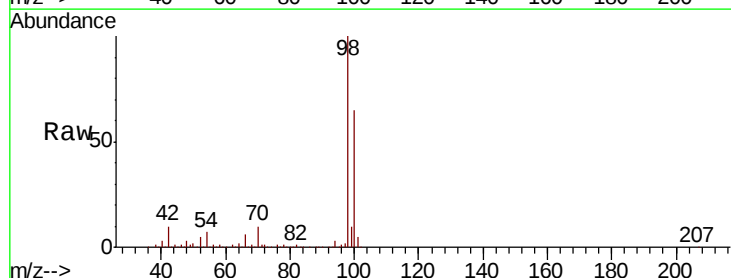
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

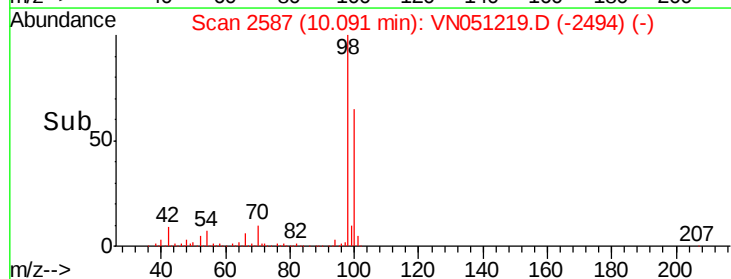
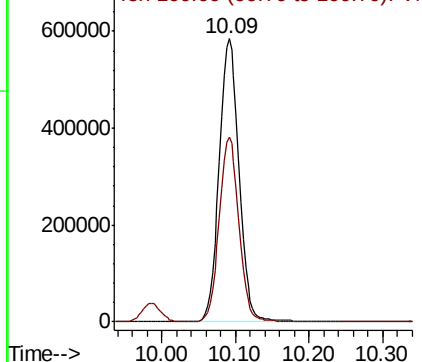
Tgt Ion	98	Resp	1092033
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

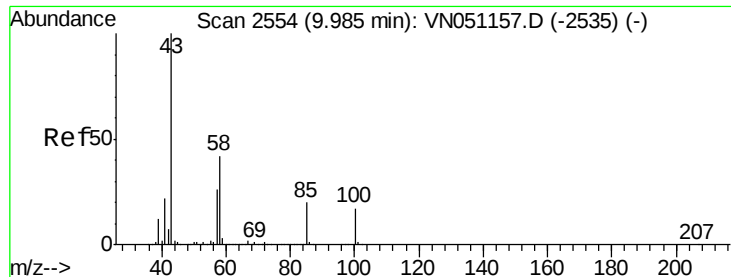


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





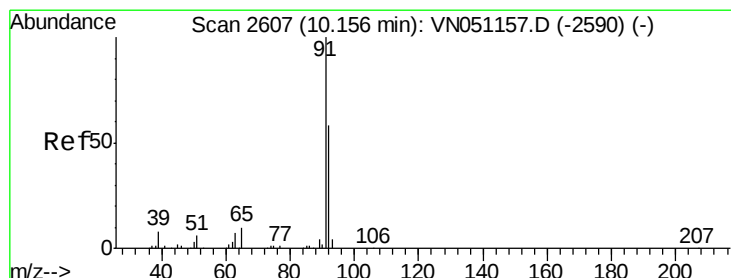
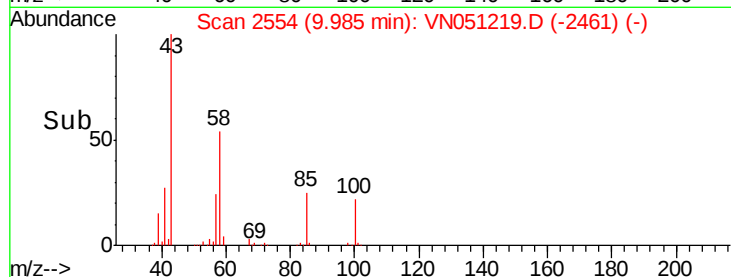
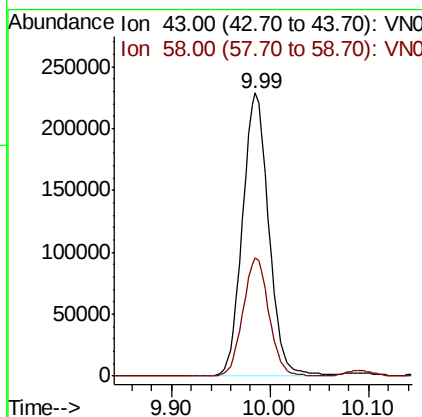
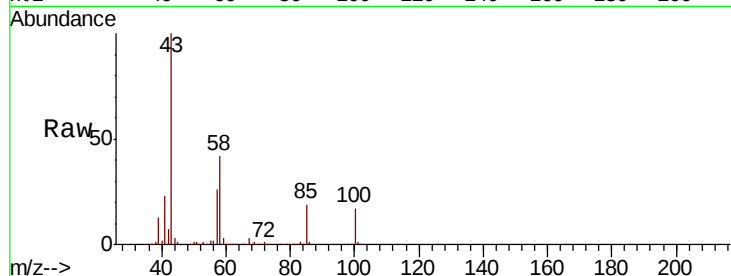
#51
 4-Methyl-2-Pentanone
 Concen: 75.73 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.5	50.3

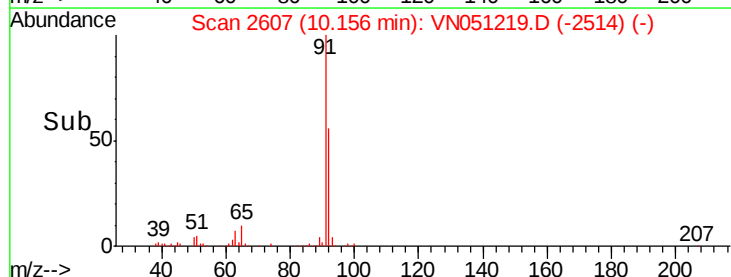
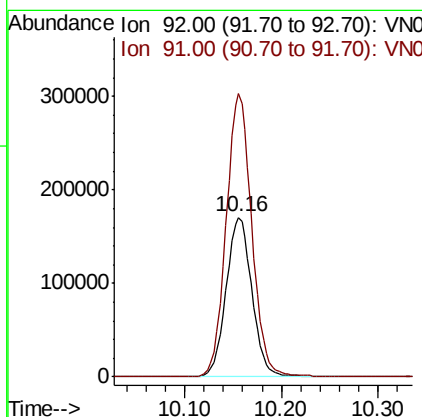
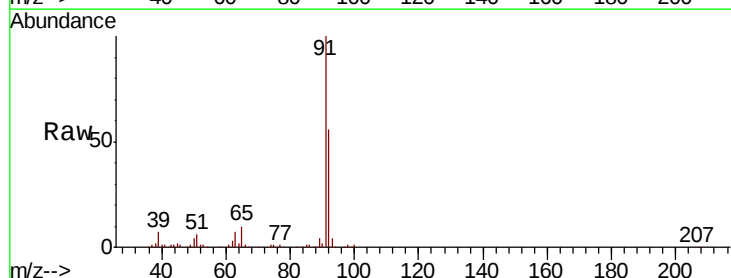
Manual Integrations
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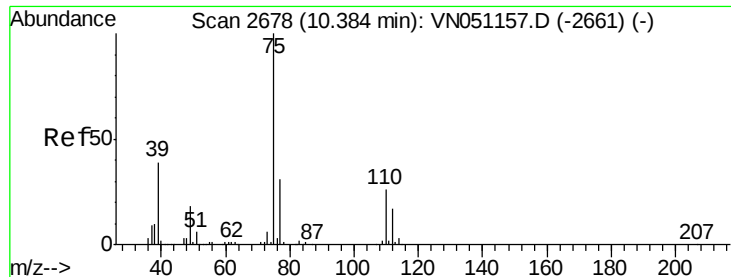
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#52
 Toluene
 Concen: 17.53 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	139.5	209.3





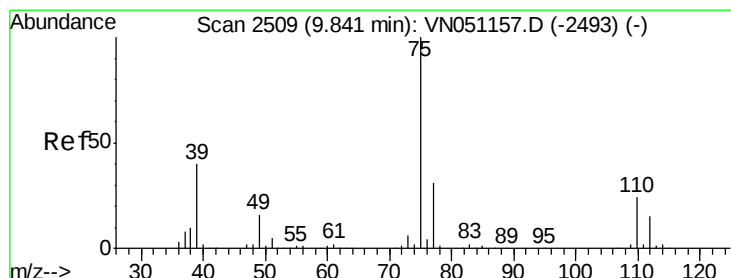
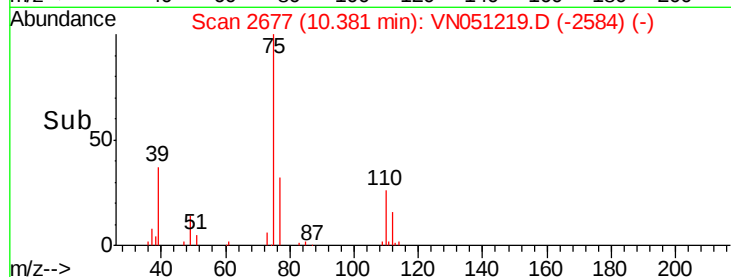
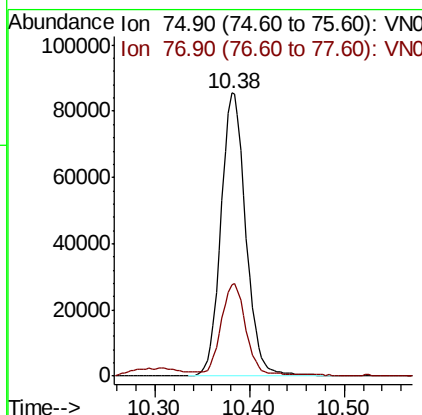
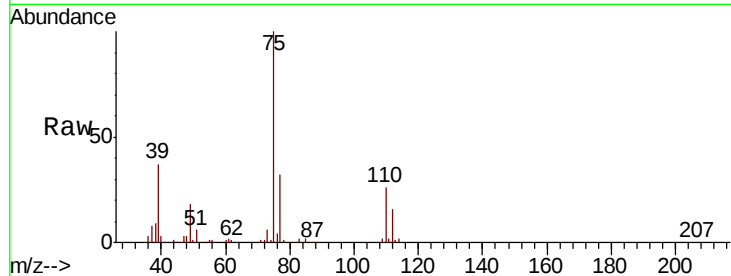
#53
t-1,3-Dichloropropene
Concen: 16.50 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion: 75 Resp: 156459
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9

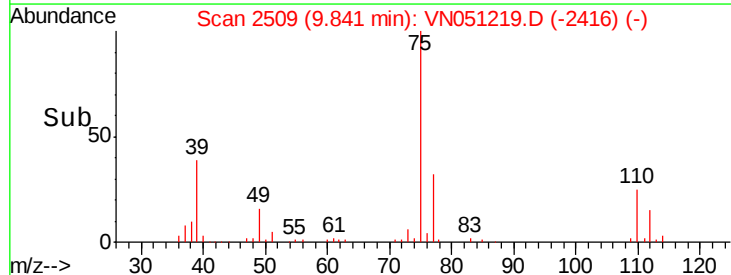
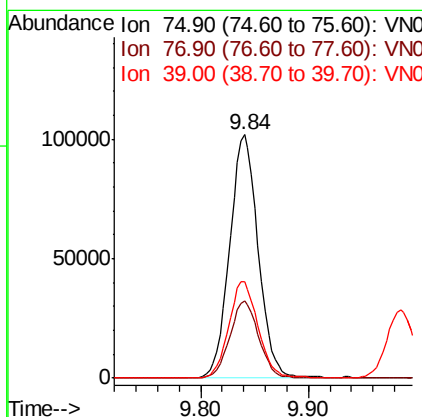
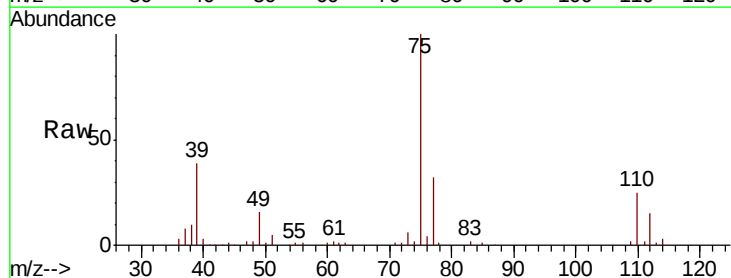
Manual Integrations
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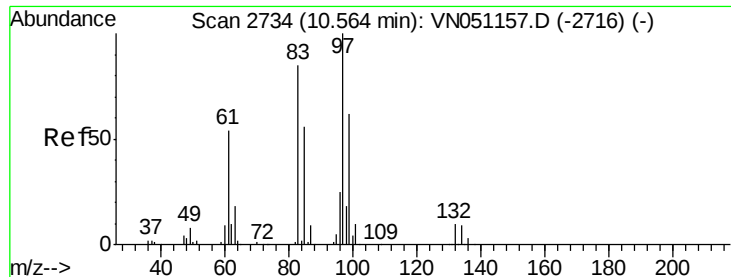
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 16.93 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion: 75 Resp: 188297
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
39 39.3 31.9 47.9





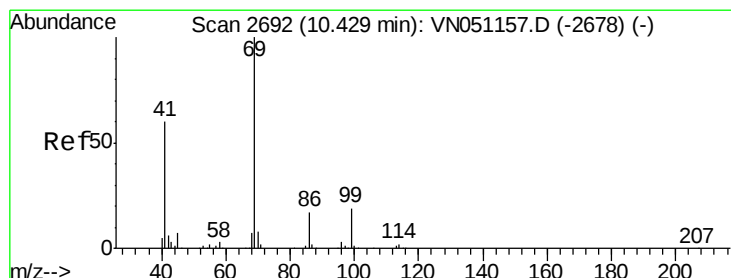
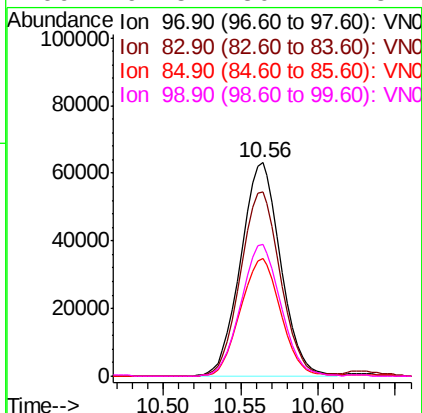
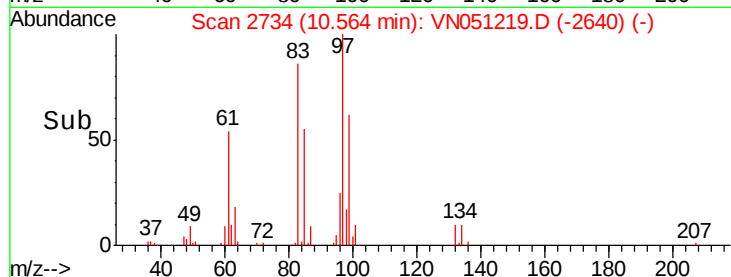
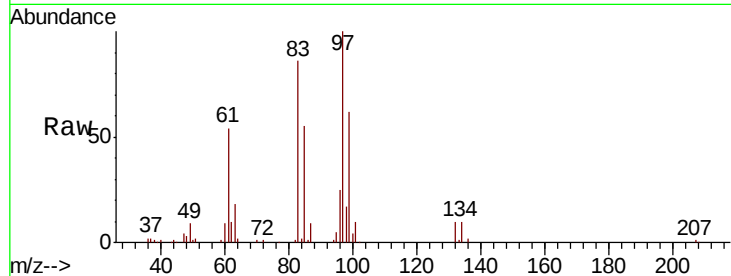
#55
 1,1,2-Trichloroethane
 Concen: 17.36 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion:	97	Resp:	113660
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.2	102.2
85	55.4	44.8	67.2
99	61.5	50.2	75.4

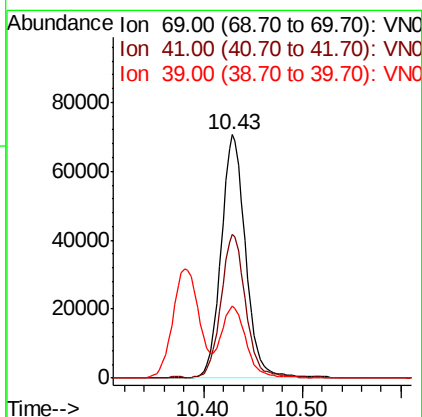
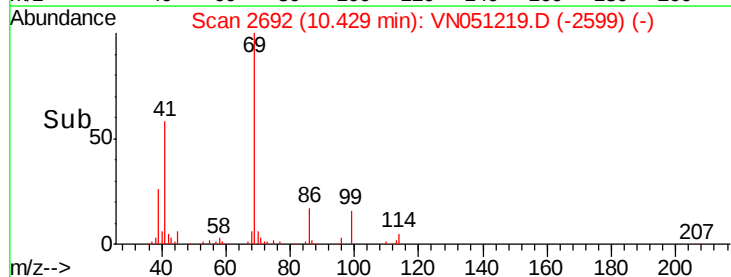
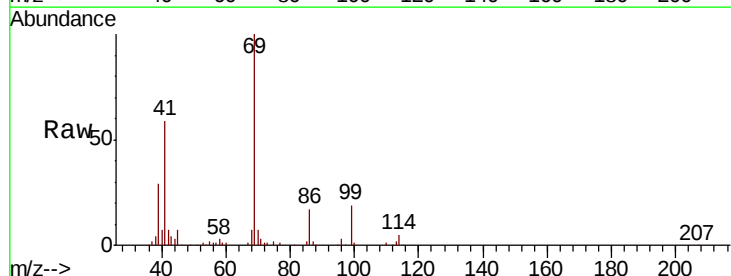
Manual Integrations
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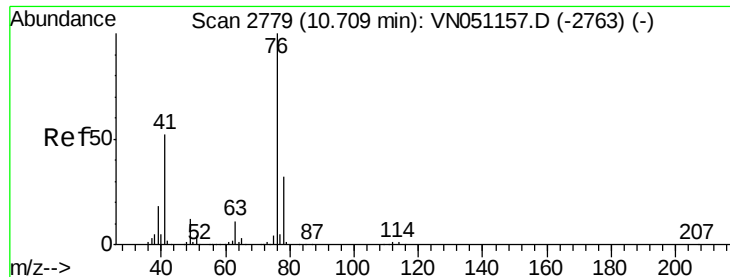
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#56
 Ethyl methacrylate
 Concen: 15.80 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion:	69	Resp:	123293
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.8	71.8
39	29.6	23.0	34.4





#57

1,3-Dichloropropane

Concen: 17.10 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 76 Resp: 185577

Ion Ratio Lower Upper

76 100

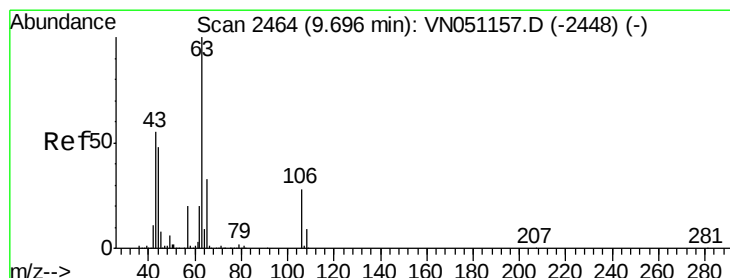
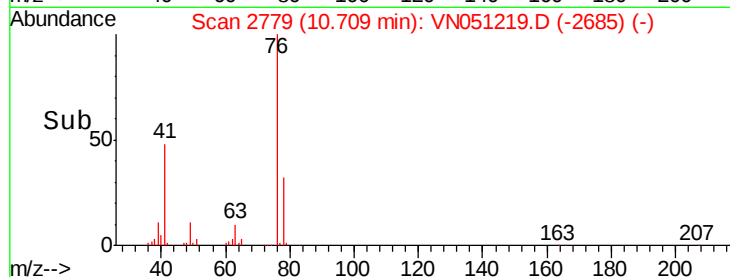
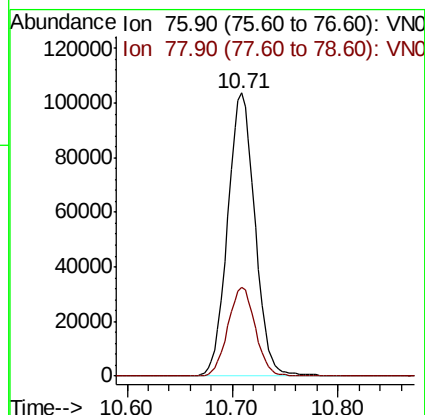
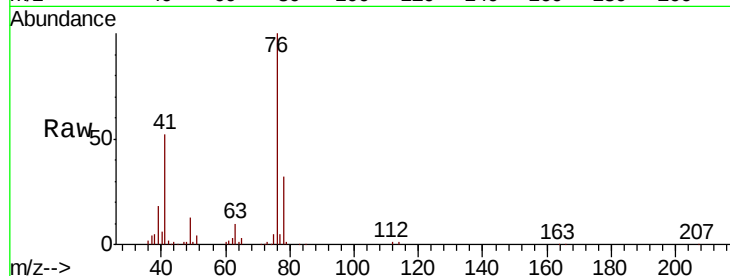
78 31.6 26.1 39.1

Manual Integrations

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9/18/2018 4:31:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 74.43 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051219.D

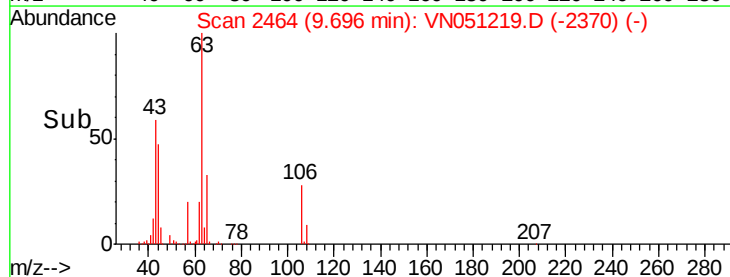
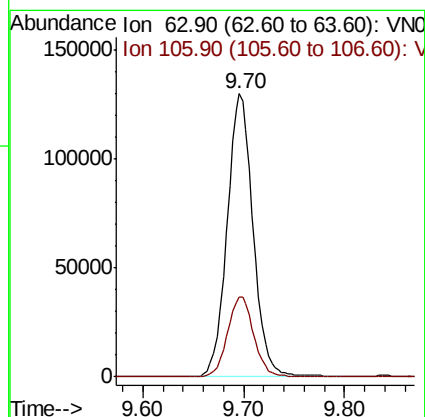
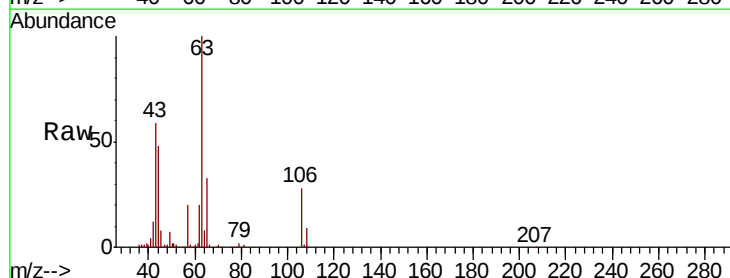
Acq: 15 Sep 2018 13:52

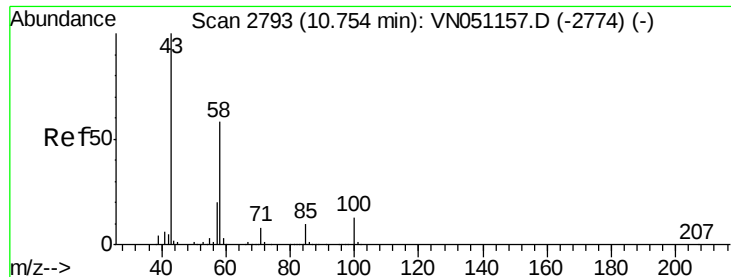
Tgt Ion: 63 Resp: 232846

Ion Ratio Lower Upper

63 100

106 28.7 22.5 33.7





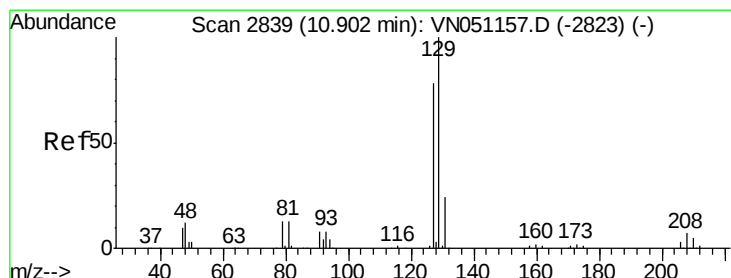
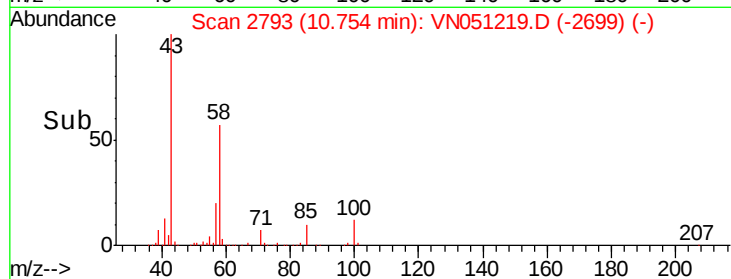
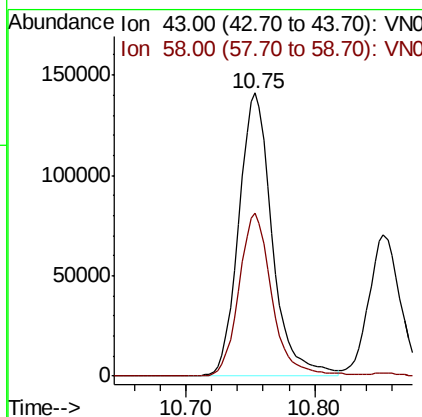
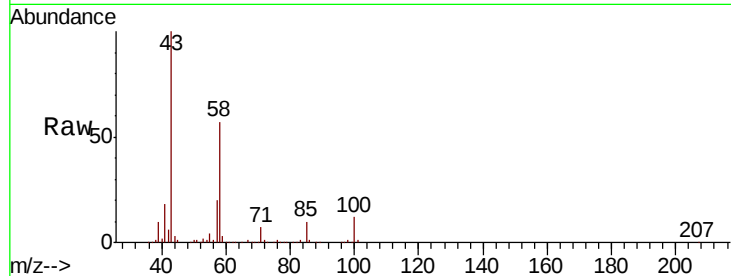
#59
2-Hexanone
Concen: 67.24 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	43	Resp	252787
Ion Ratio	100	Lower	Upper
43	100		
58	57.1	29.3	88.0

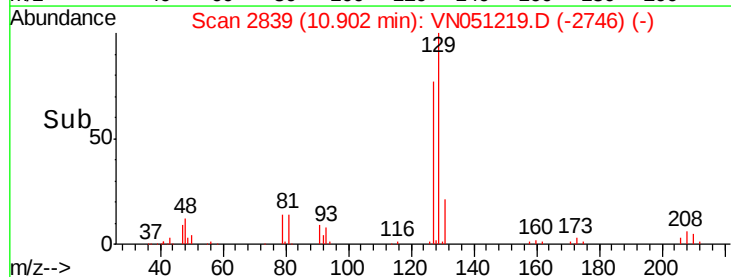
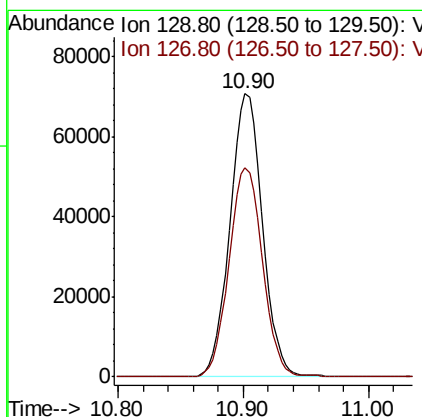
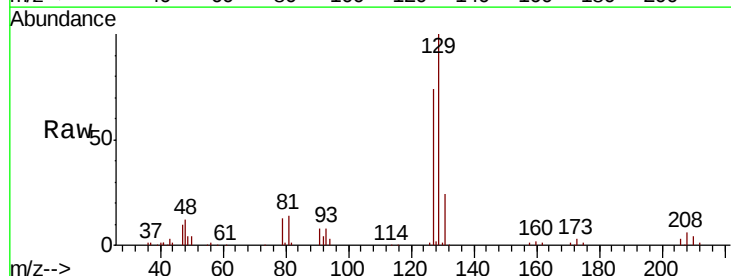
Manual Integrations
APPROVED

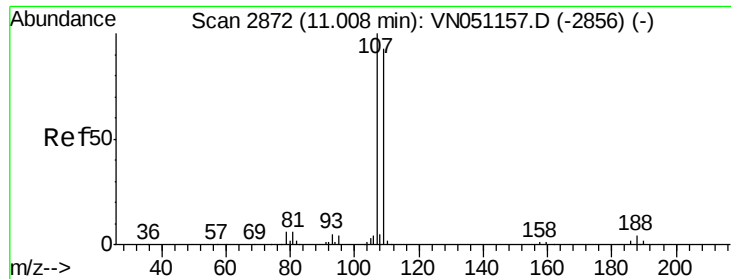
MMDadoda
9/18/2018 4:31:37 PM



#60
Dibromochloromethane
Concen: 17.30 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	129	Resp	127645
Ion Ratio	100	Lower	Upper
129	100		
127	76.1	38.5	115.5





#61

1,2-Dibromoethane

Concen: 16.67 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 107 Resp: 106661

Ion Ratio Lower Upper

107 100

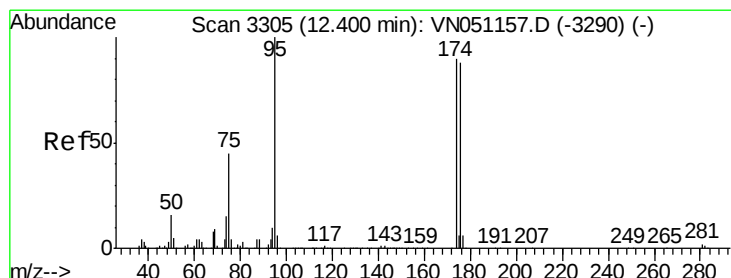
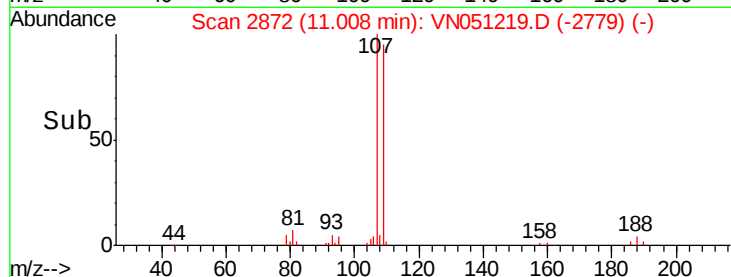
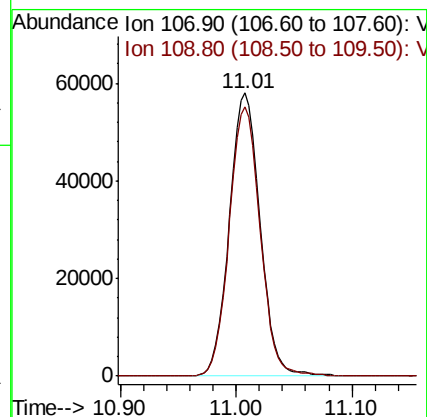
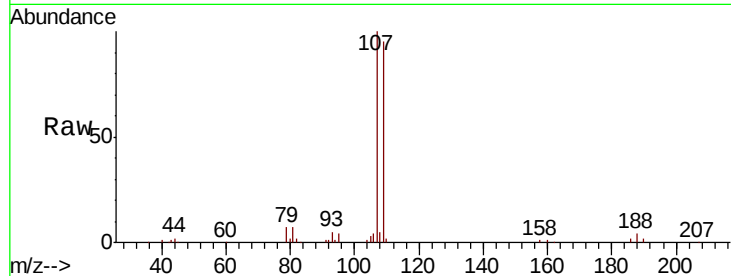
109 95.6 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 40.09 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

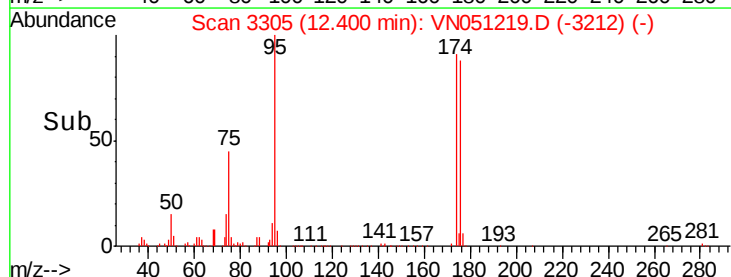
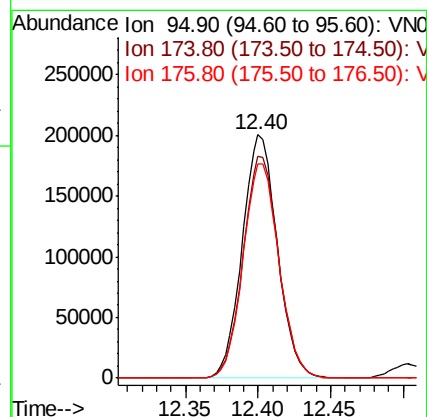
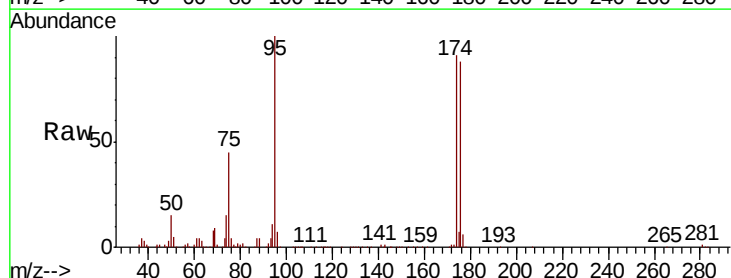
Tgt Ion: 95 Resp: 337788

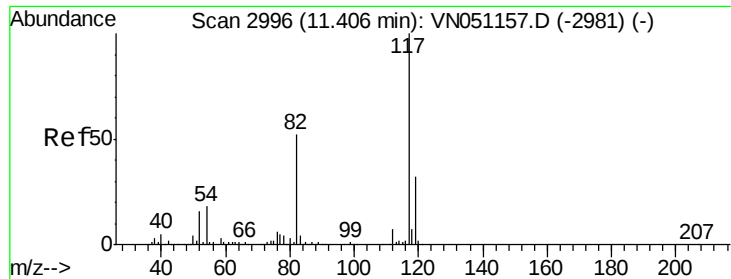
Ion Ratio Lower Upper

95 100

174 92.2 0.0 184.8

176 90.2 0.0 178.6





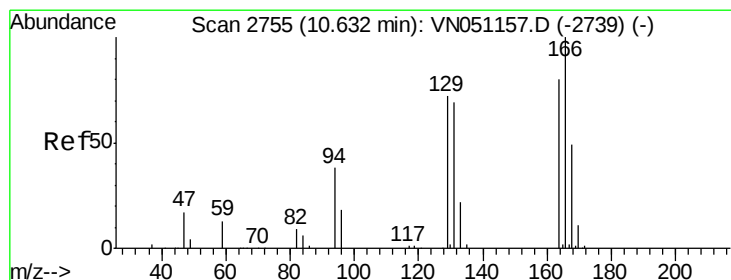
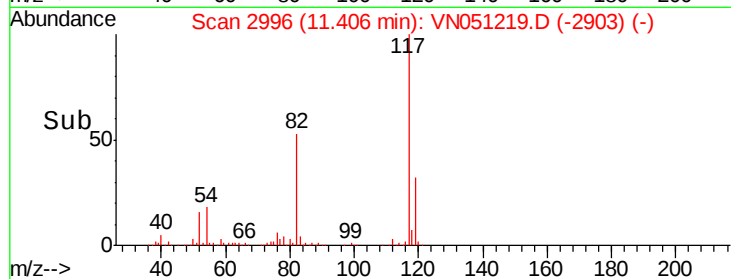
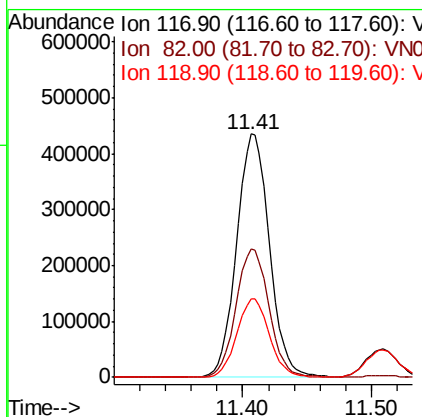
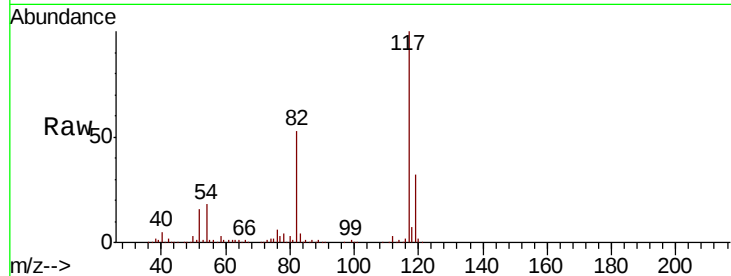
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.6
119	32.0	26.2	39.2

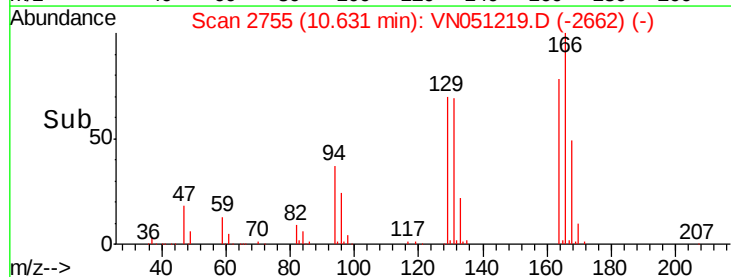
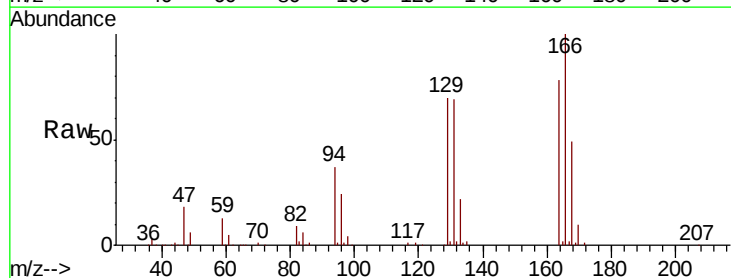
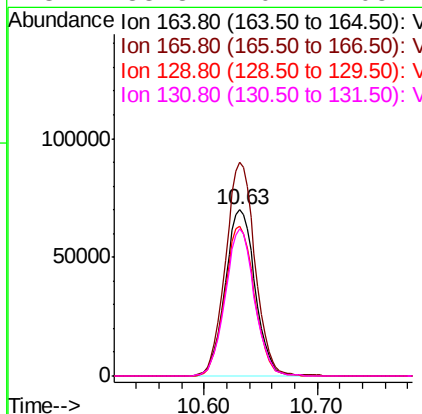
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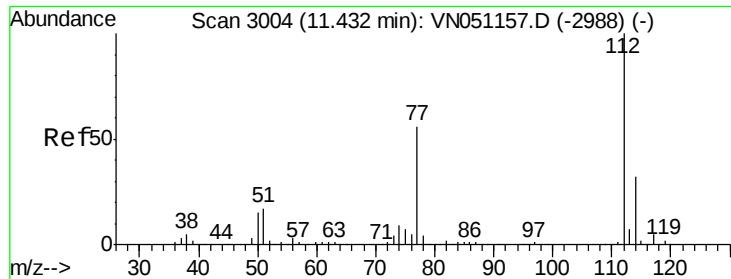
MMDadoda
9/18/2018 4:31:37 PM



#64
Tetrachloroethene
Concen: 18.30 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.3	151.9
129	90.2	72.2	108.2
131	88.8	70.2	105.2





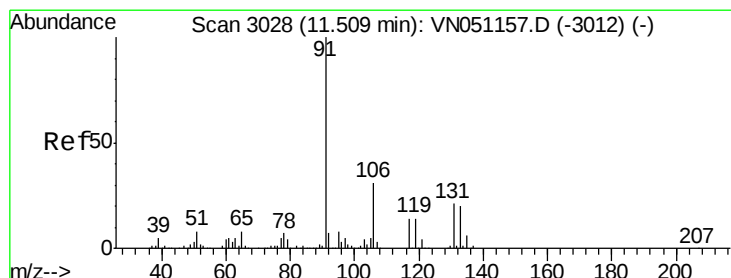
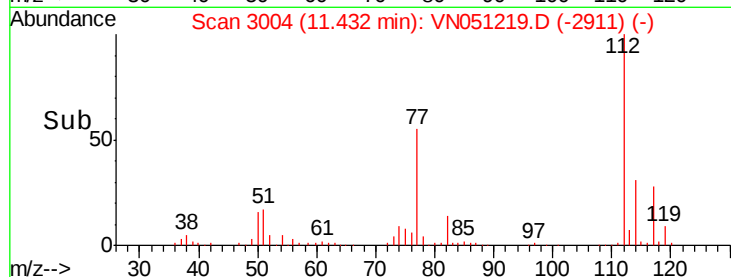
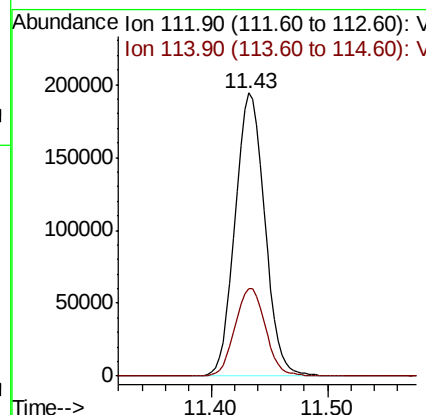
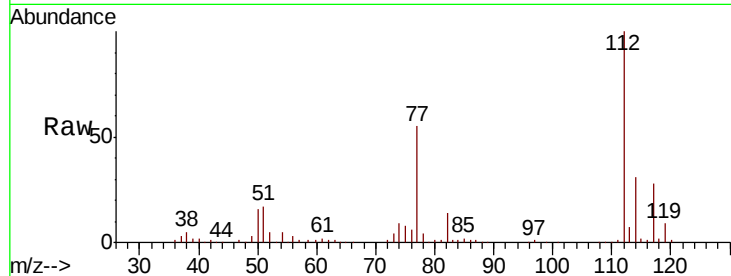
#65
Chlorobenzene
Concen: 17.65 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion:112 Resp: 343147
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6

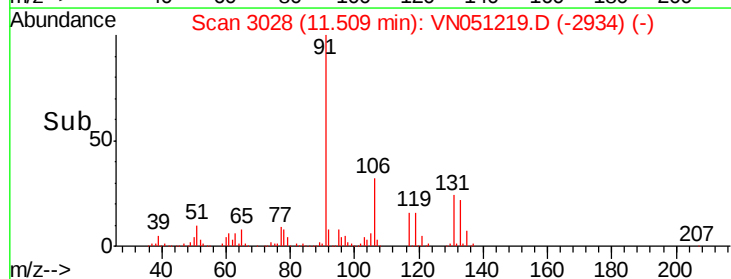
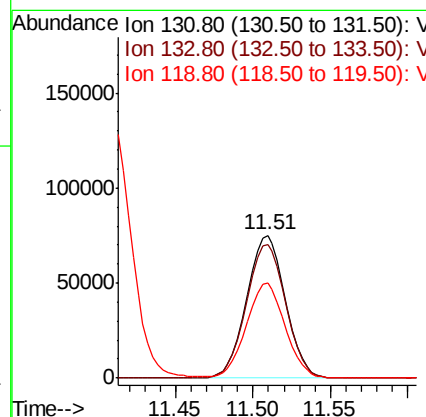
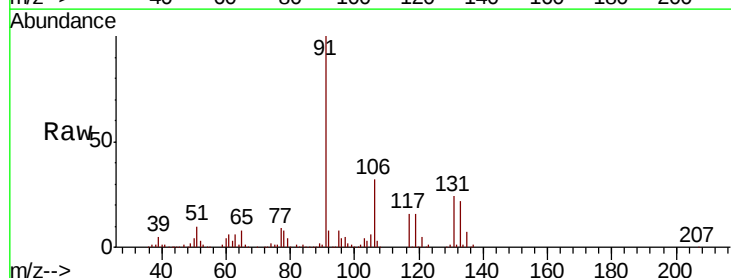
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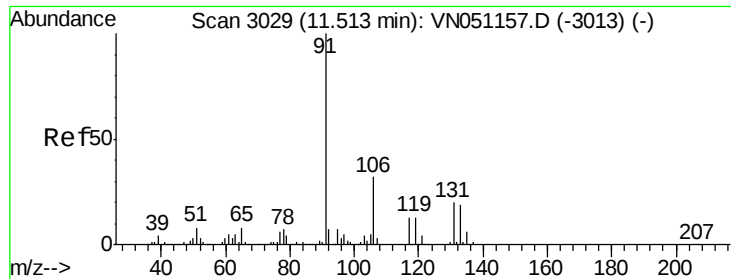
MMDadoda
9/18/2018 4:31:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.70 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion:131 Resp: 130885
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.8 33.2 99.6





#67

Ethyl Benzene

Concen: 17.30 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 91 Resp: 544497

Ion Ratio Lower Upper

91 100

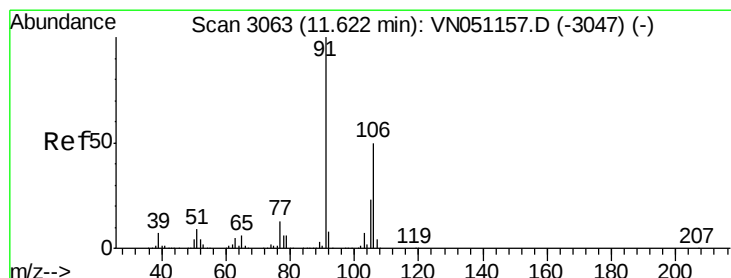
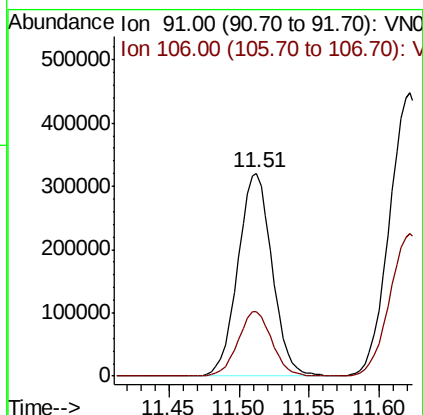
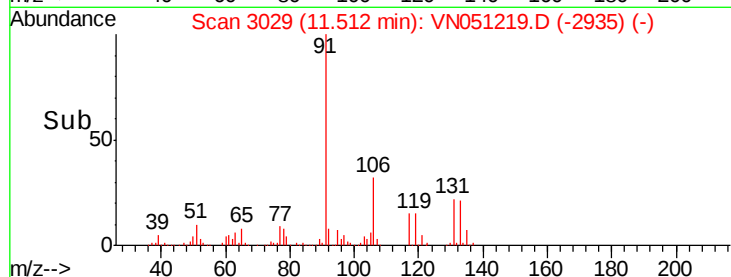
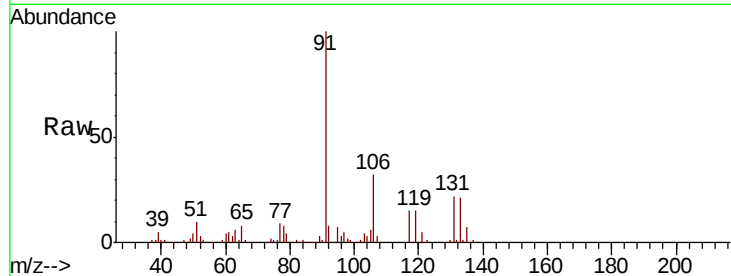
106 31.6 25.4 38.2

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 36.03 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051219.D

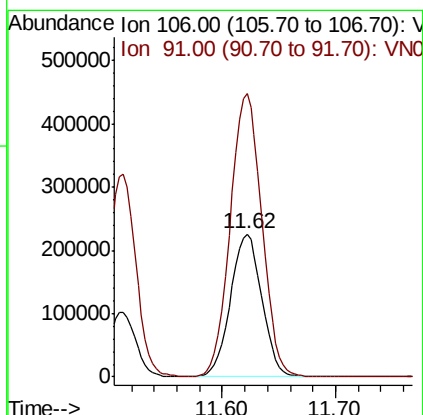
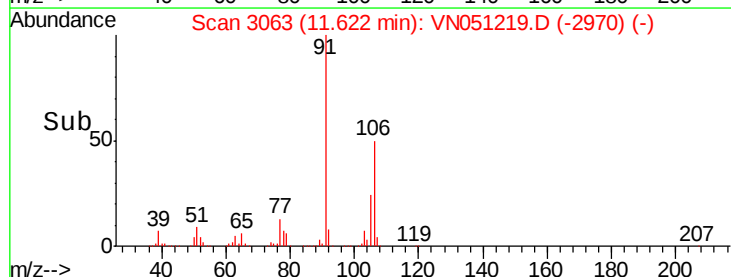
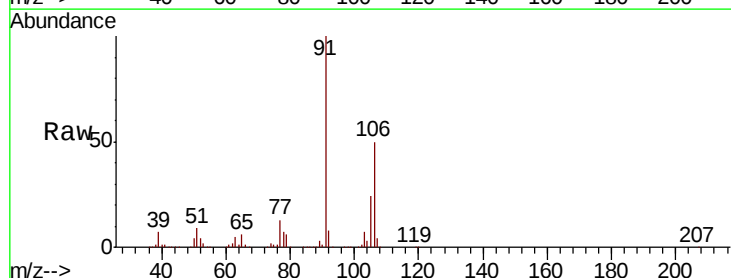
Acq: 15 Sep 2018 13:52

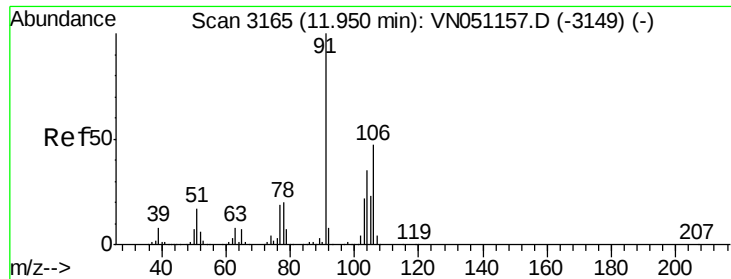
Tgt Ion: 106 Resp: 435826

Ion Ratio Lower Upper

106 100

91 199.0 159.8 239.6





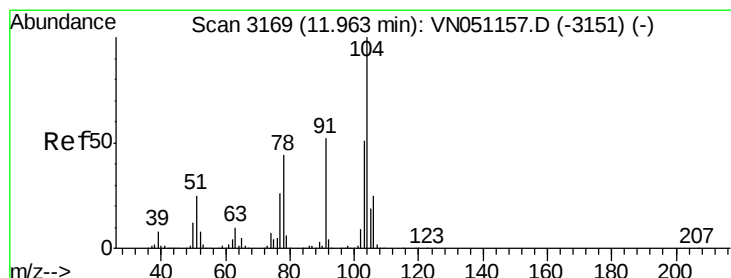
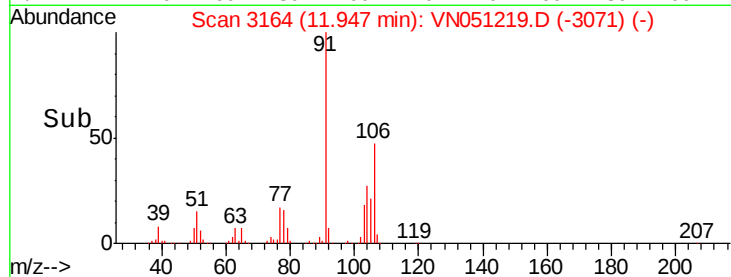
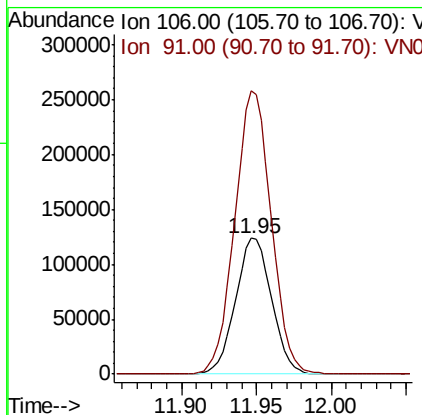
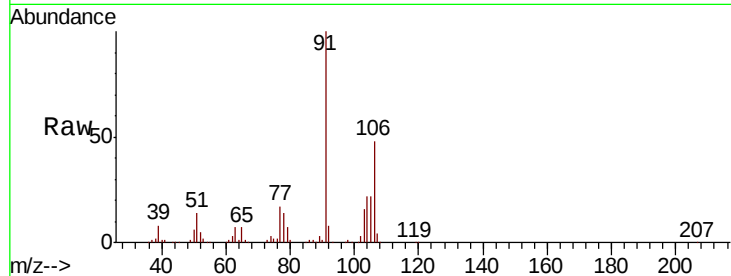
#69
o-Xylene
Concen: 17.75 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	105.1	315.1

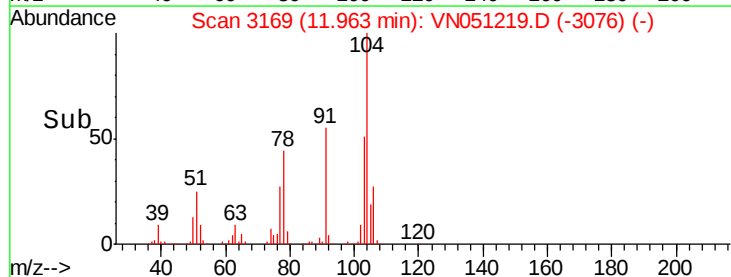
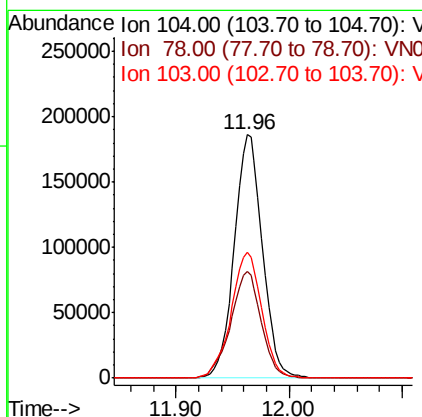
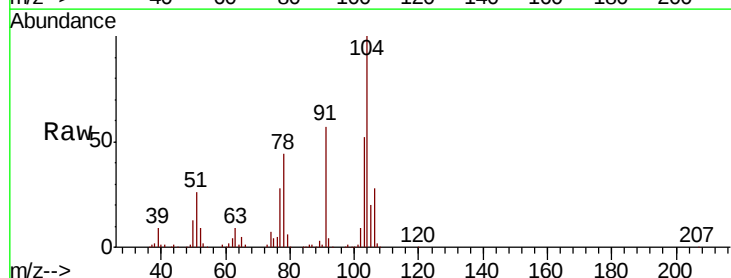
Manual Integrations
APPROVED

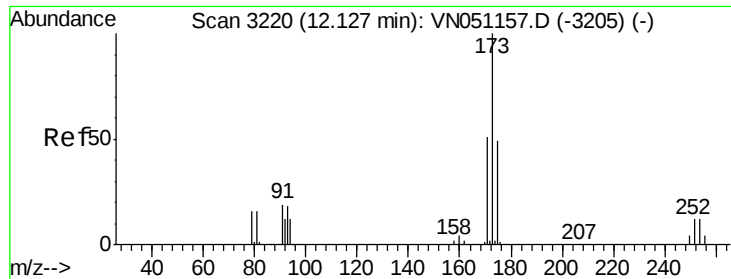
MMDadoda
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#70
Styrene
Concen: 17.77 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	56.2	44.6	67.0





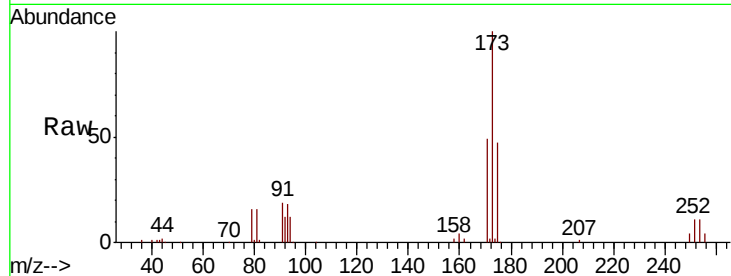
#71
Bromoform
Concen: 16.92 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.9
254	0.1	0.0	0.0

Manual Integrations
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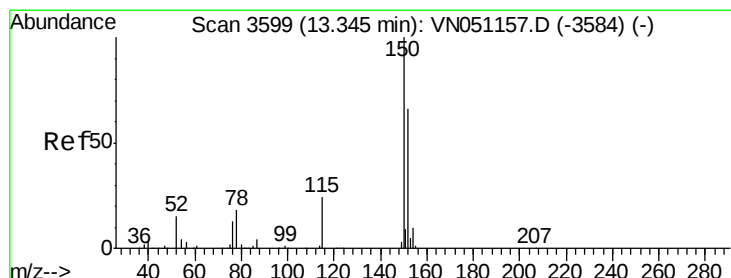
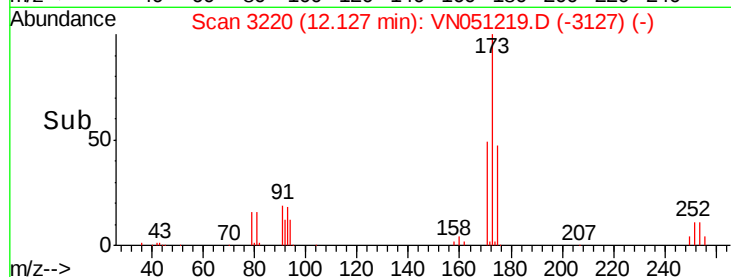
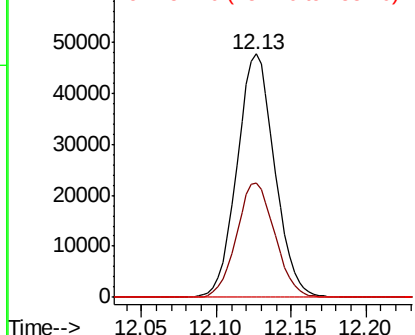


Abundance

Ion 172.70 (172.40 to 173.40): V

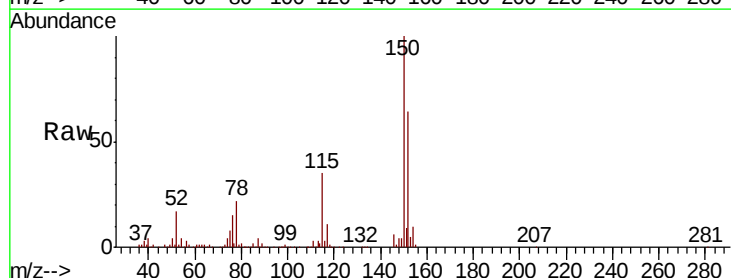
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.7
150	162.2	0.0	349.0

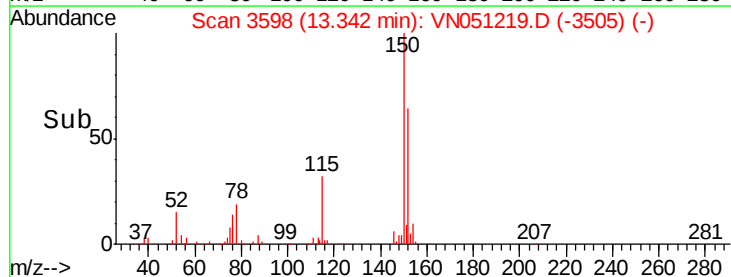
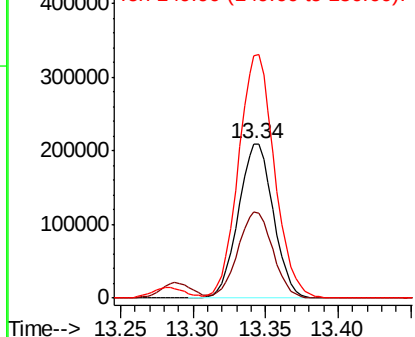


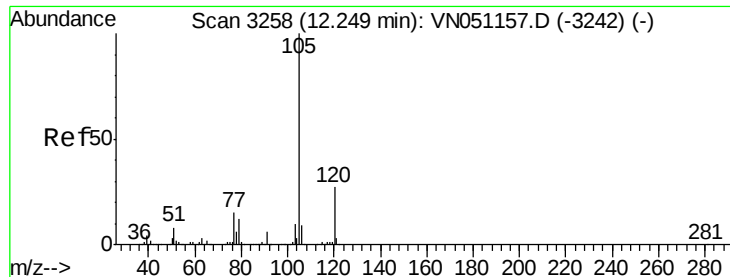
Abundance

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: 18.54 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion:105 Resp: 545175

Ion Ratio Lower Upper

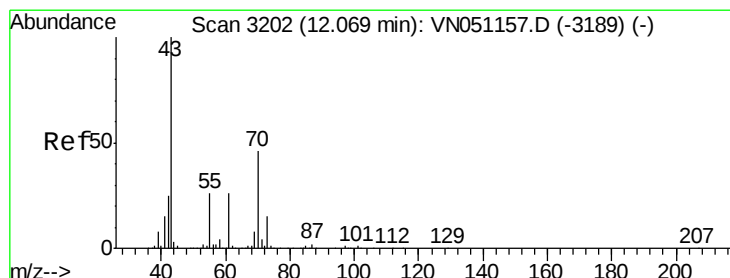
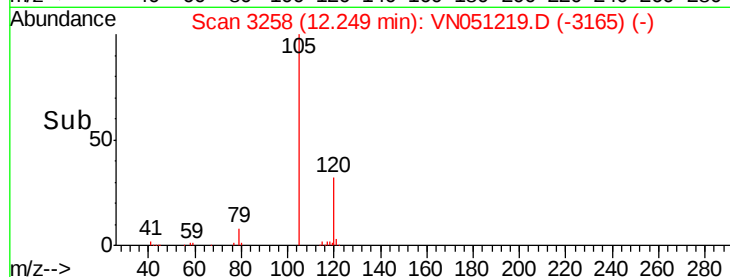
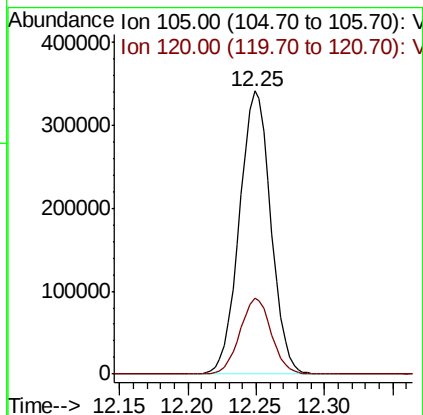
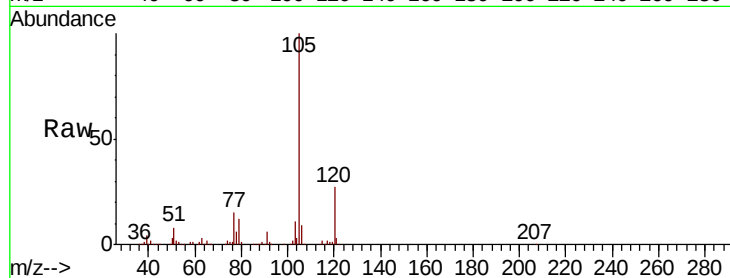
105 100

120 26.7 13.6 40.7

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#74

N-ethyl acetate

Concen: 14.61 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion: 43 Resp: 108145

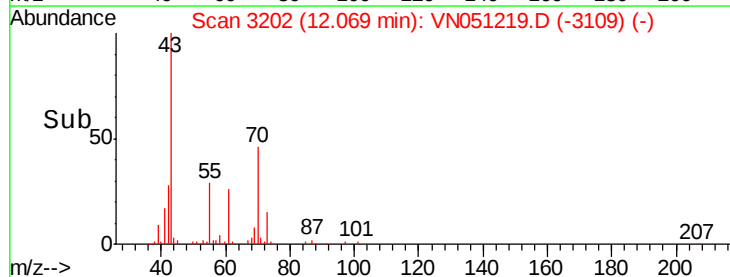
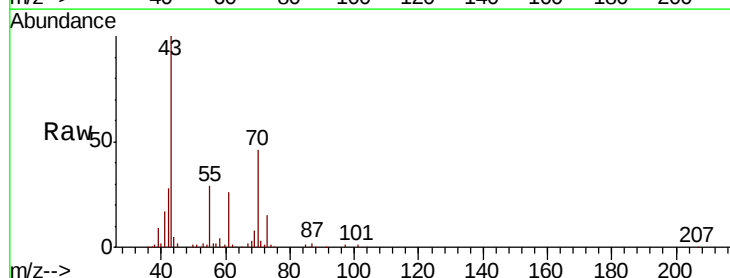
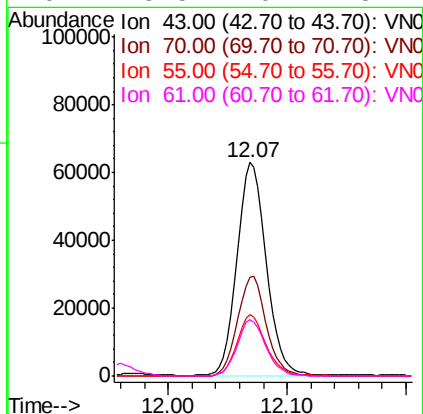
Ion Ratio Lower Upper

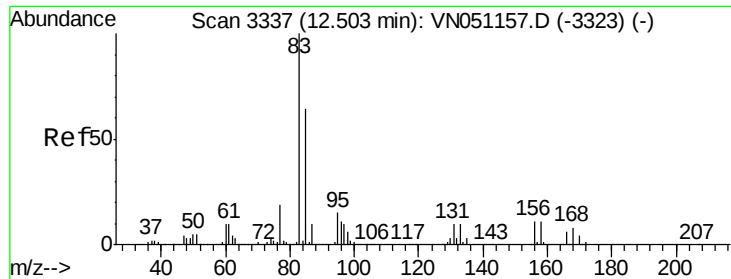
43 100

70 45.3 37.0 55.4

55 28.0 21.3 31.9

61 25.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.93 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

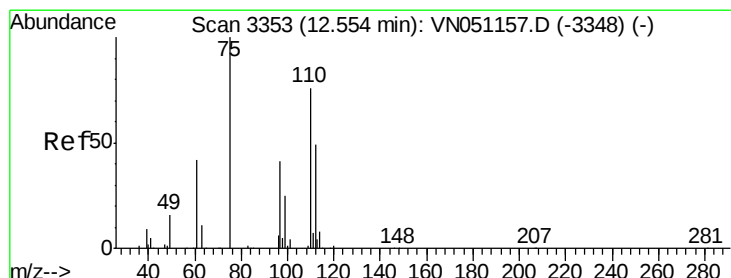
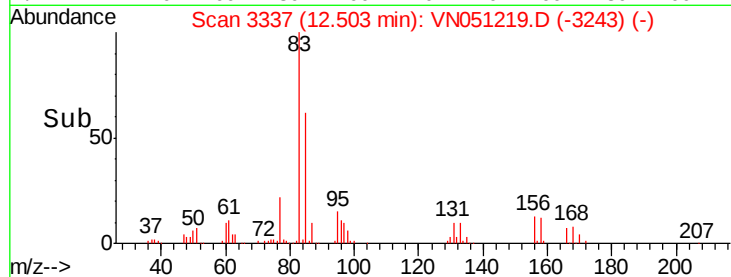
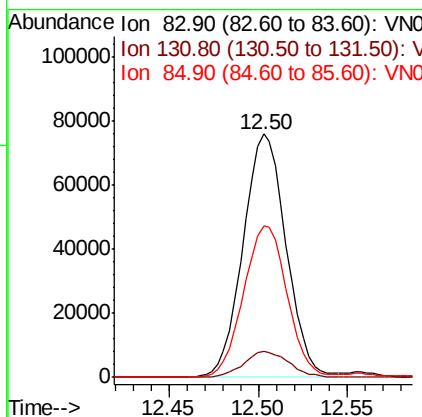
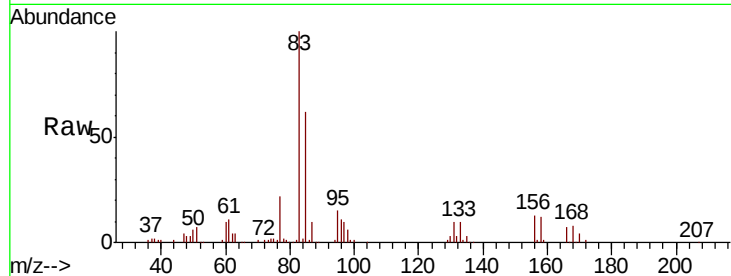
ClientSampleId :

VN0915WBSD01

Tot Ion:	83	Resp:	127871
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	63.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.65 ug/l m

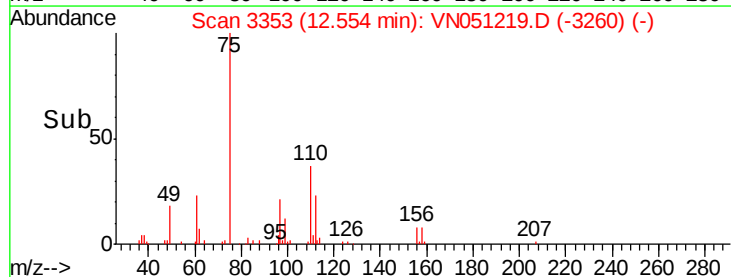
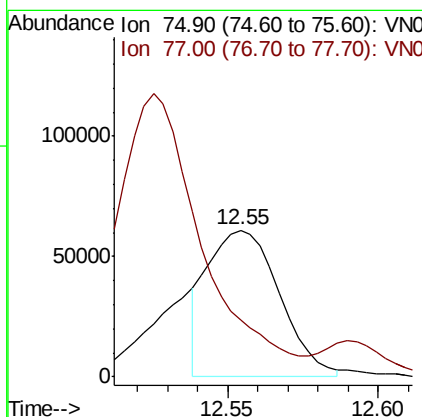
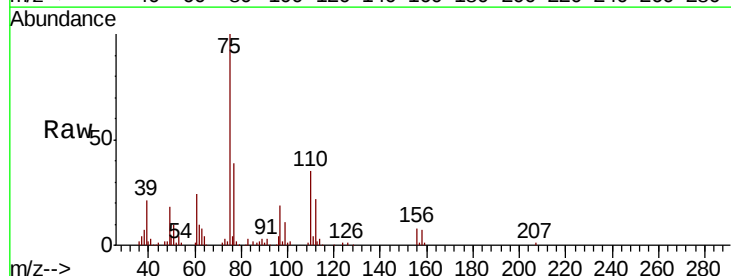
RT: 12.55 min Scan# 3353

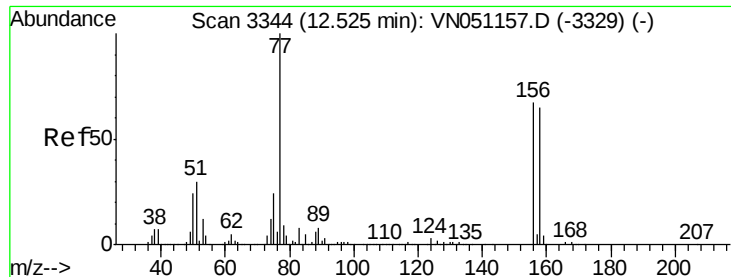
Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	75	Resp:	101221
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.42 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

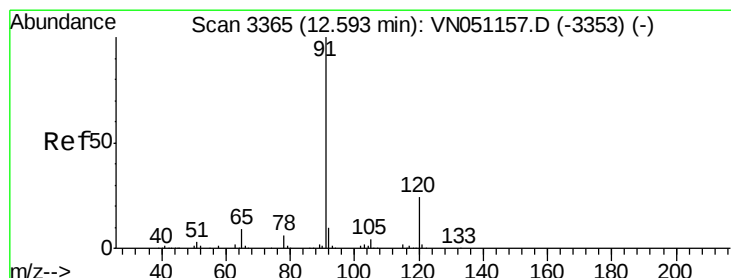
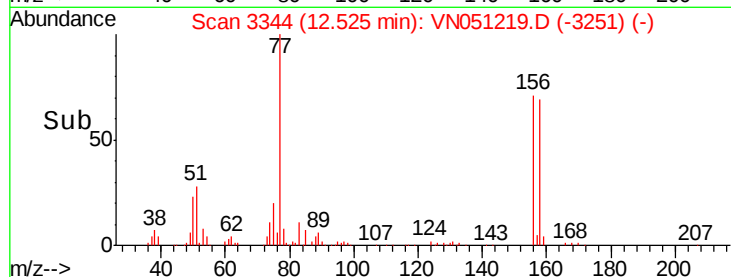
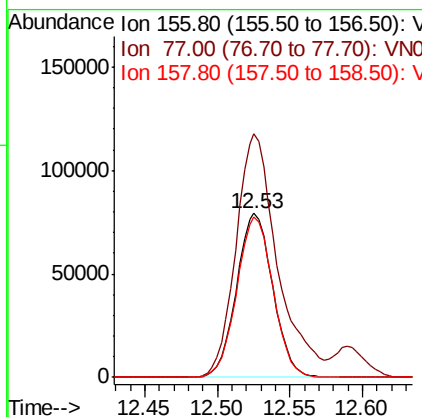
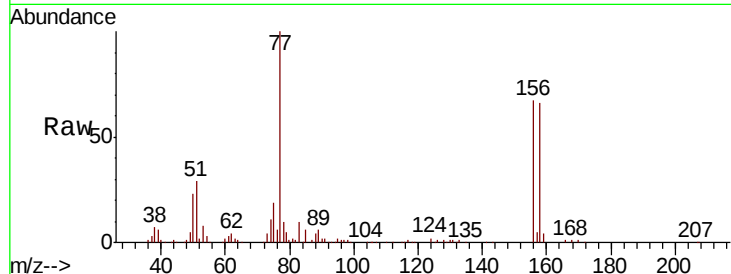
ClientSampleId :

VN0915WBSD01

Tot Ion:	156	Resp:	137584
Ion Ratio	Lower	Upper	
156	100		
77	170.1	87.5	262.6
158	97.6	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.01 ug/l

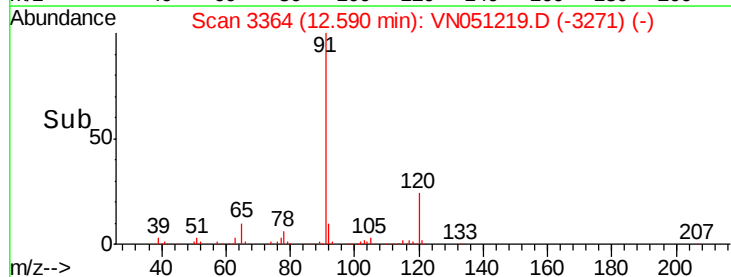
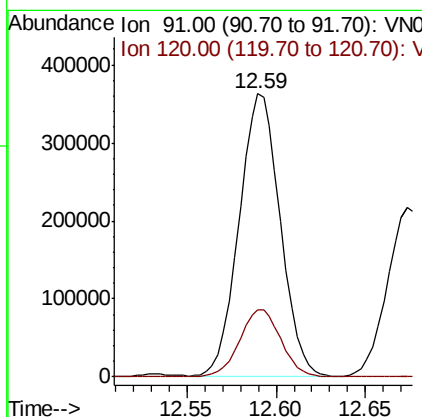
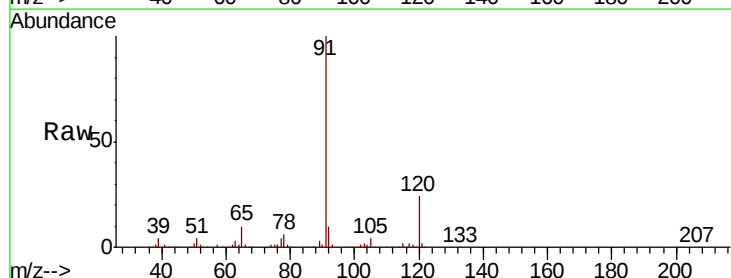
RT: 12.59 min Scan# 3364

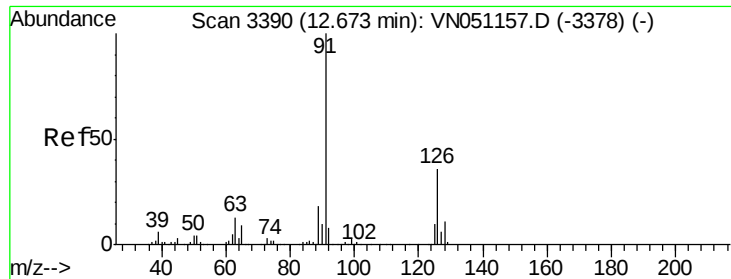
Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	91	Resp:	582130
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 17.93 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 91 Resp: 362293

Ion Ratio Lower Upper

91 100

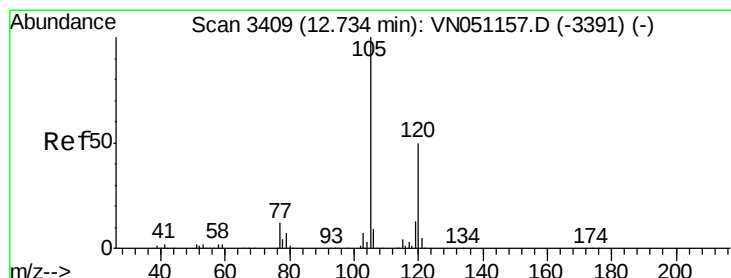
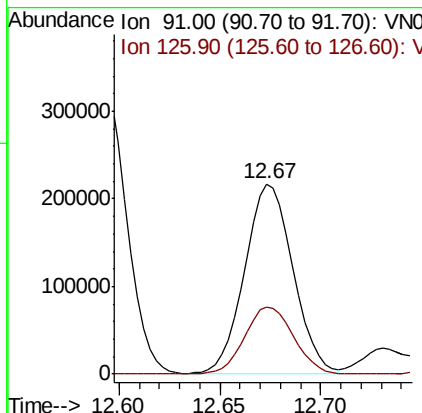
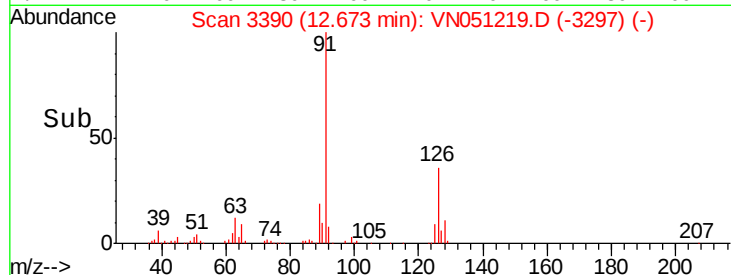
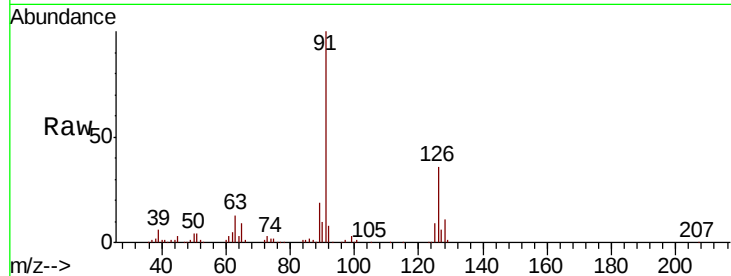
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.63 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051219.D

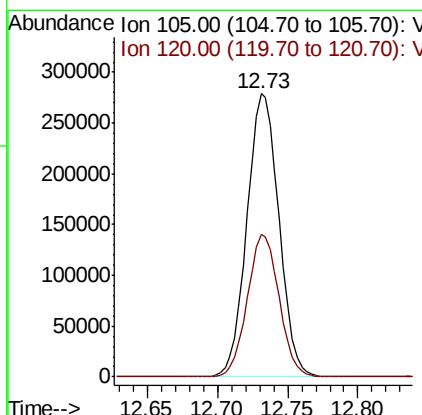
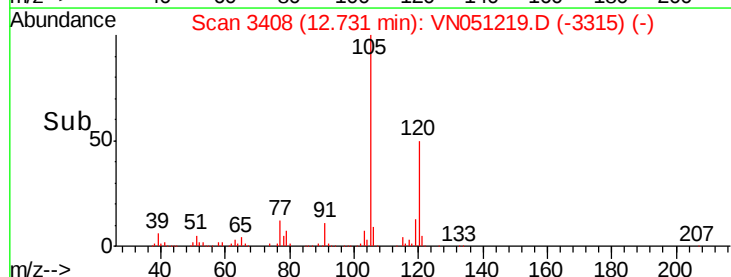
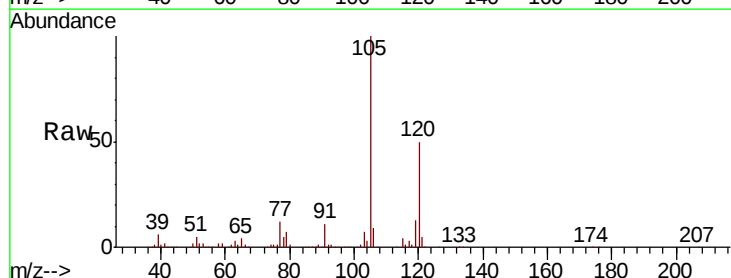
Acq: 15 Sep 2018 13:52

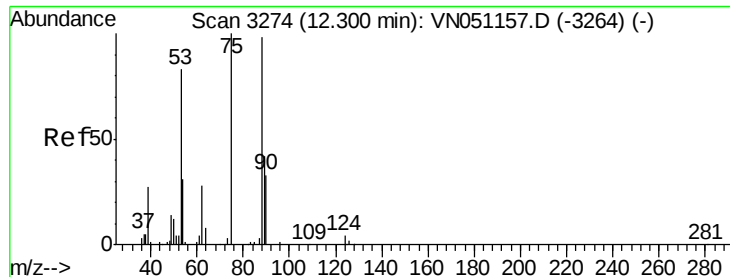
Tgt Ion: 105 Resp: 443003

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 14.60 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

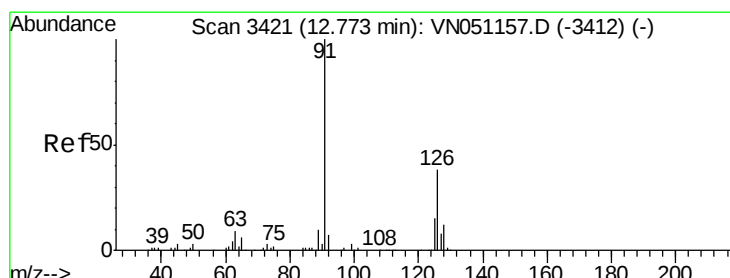
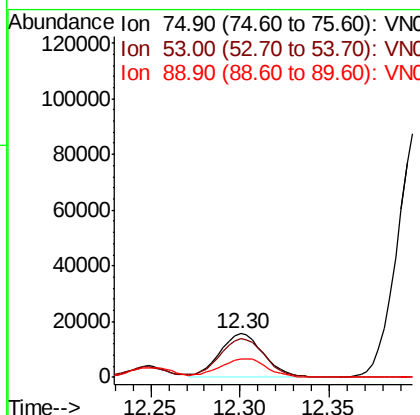
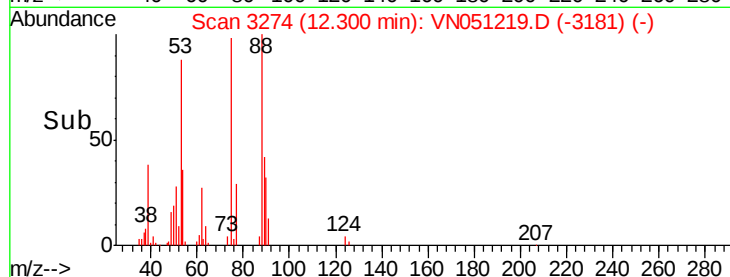
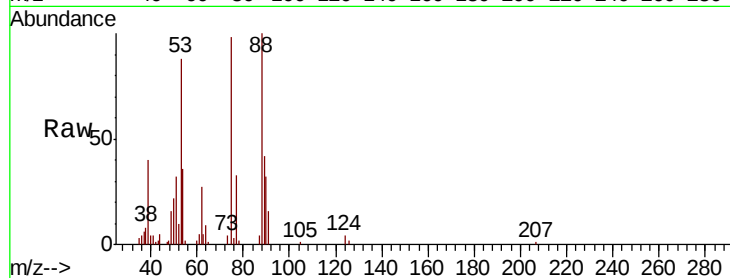
ClientSampleId :

VN0915WBSD01

Tot Ion:	75	Resp:	26960
Ion	Ratio	Lower	Upper
75	100		
53	91.9	67.8	101.8
89	45.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.50 ug/l

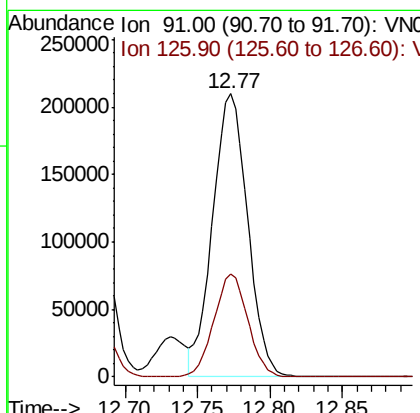
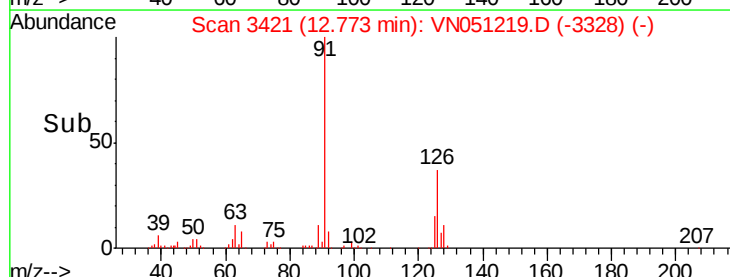
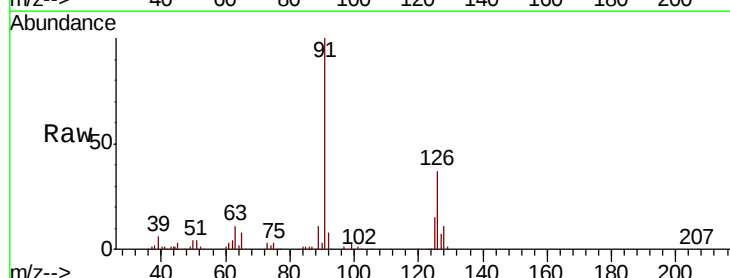
RT: 12.77 min Scan# 3421

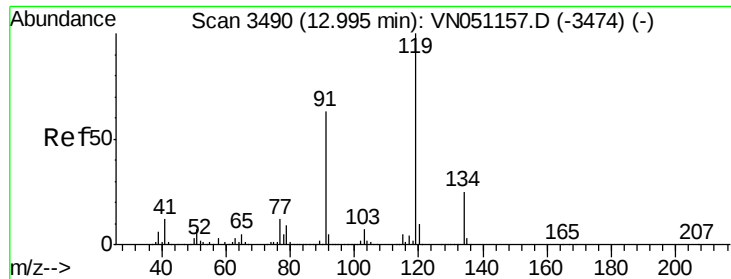
Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	91	Resp:	351108
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





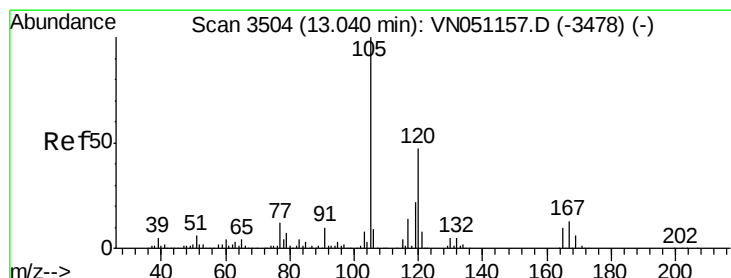
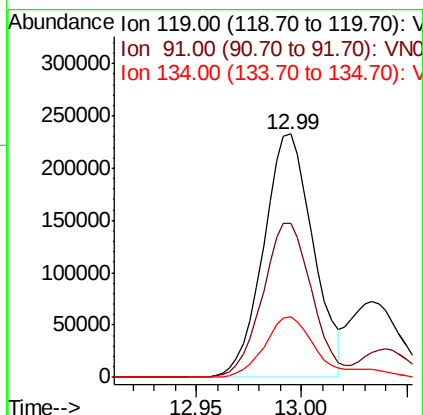
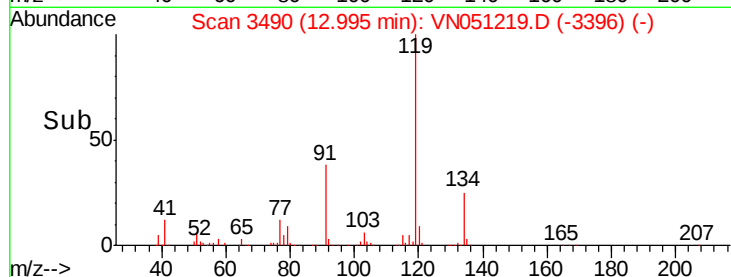
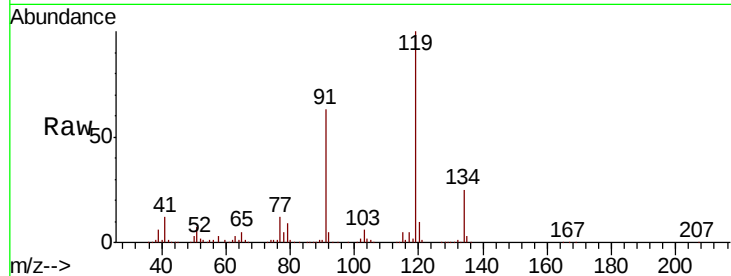
#83
tert-Butylbenzene
Concen: 18.17 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381487		
91	62.5		30.8	92.3
134	25.0		13.2	39.6

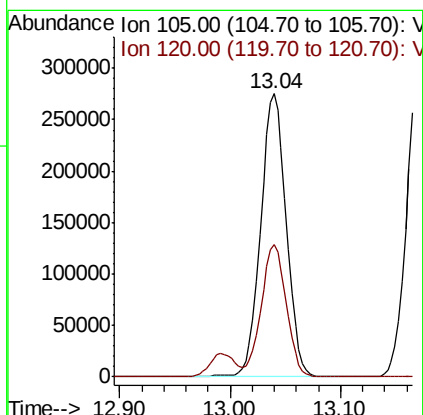
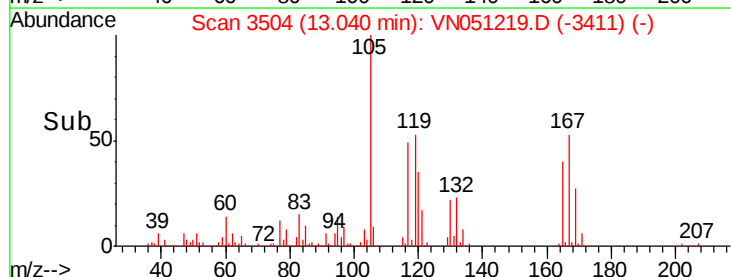
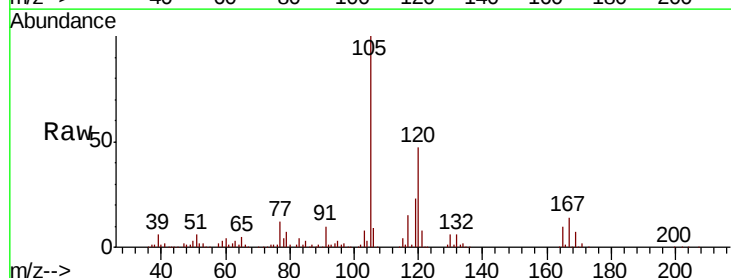
Manual Integrations
APPROVED

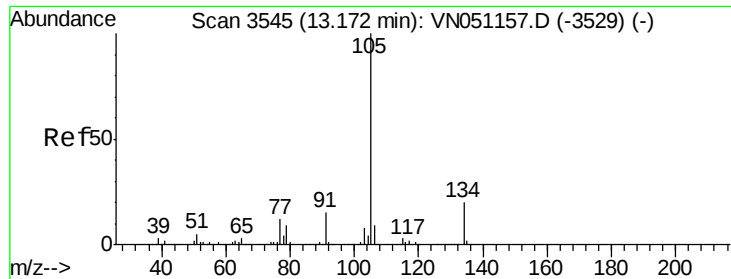
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#84
1,2,4-Trimethylbenzene
Concen: 18.90 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	441823		
120	45.9		23.3	69.8





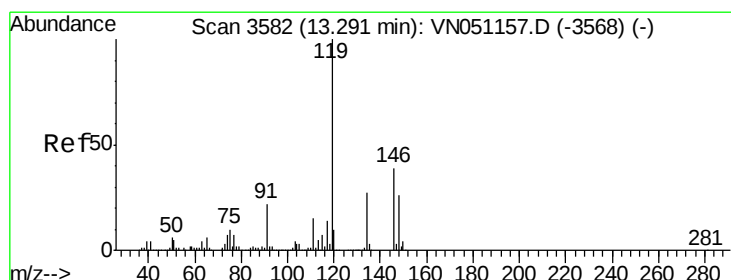
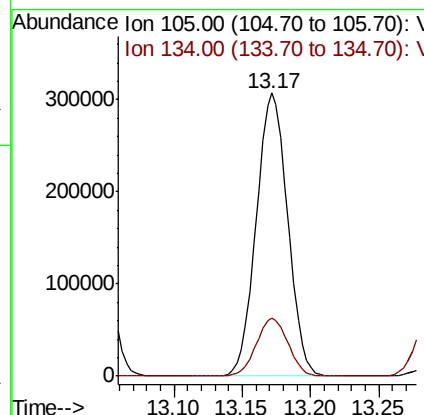
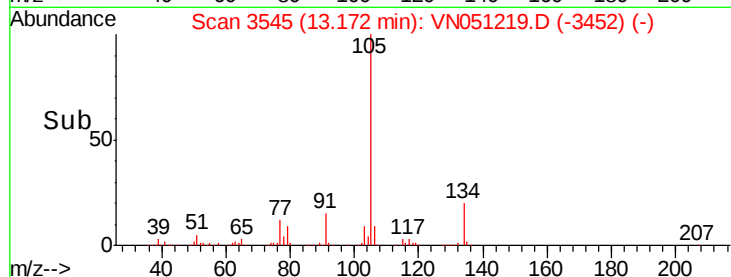
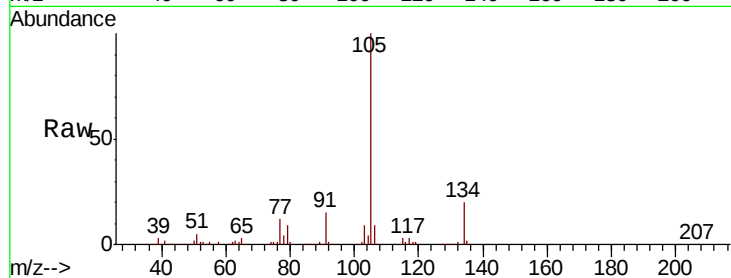
#85
 sec-Butylbenzene
 Concen: 18.19 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.4

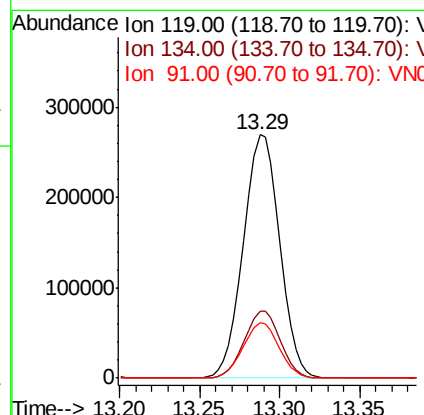
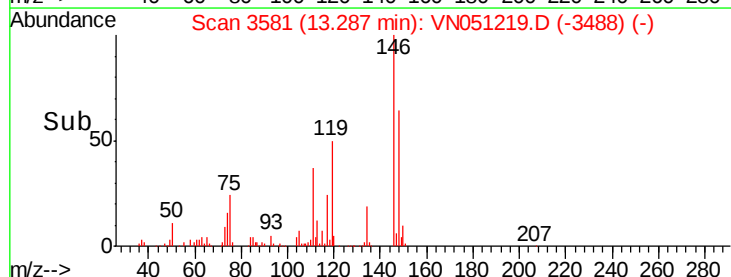
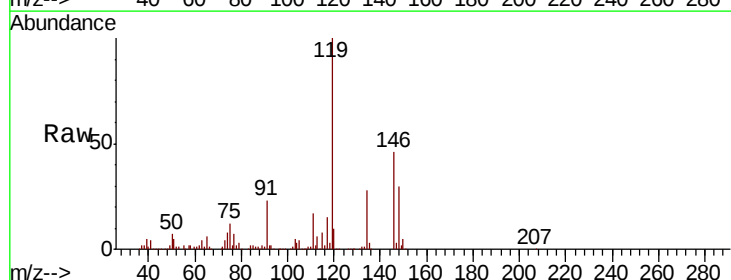
Manual Integrations
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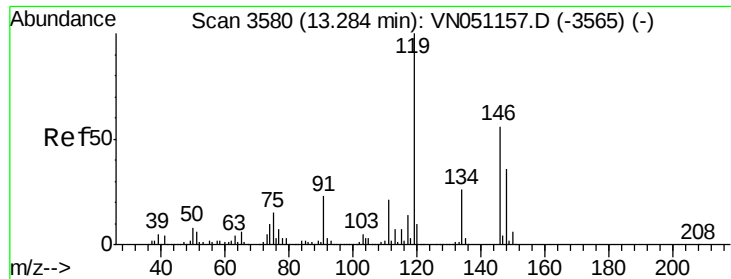
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#86
 p-Isopropyltoluene
 Concen: 18.27 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.4
91	22.2	10.9	32.9





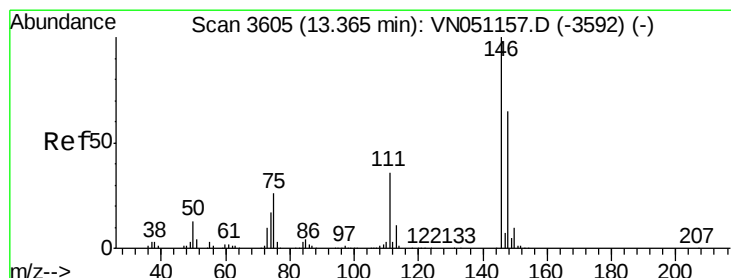
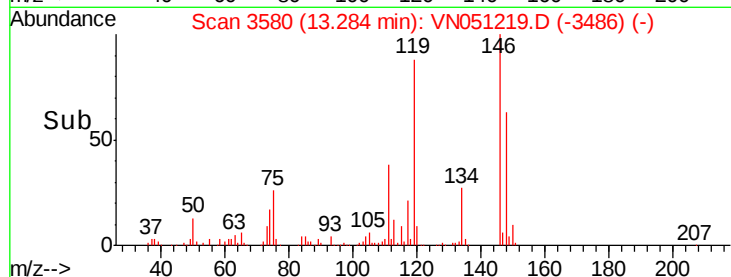
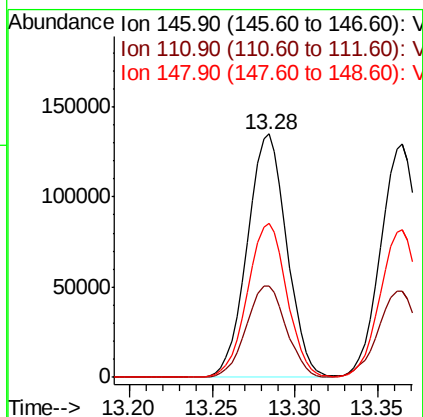
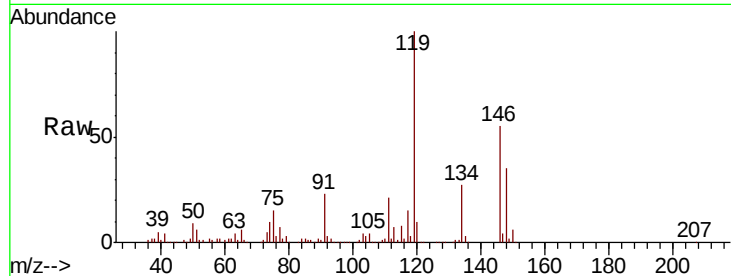
#87
 1,3-Dichlorobenzene
 Concen: 16.63 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.1	32.2	96.6

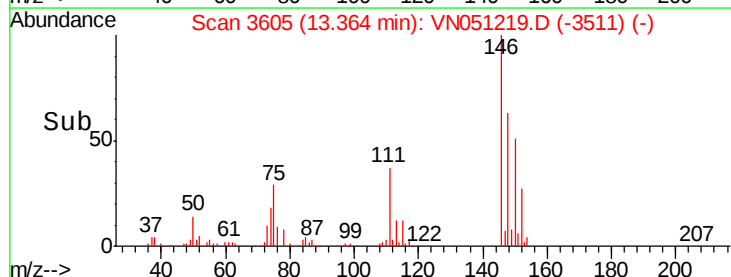
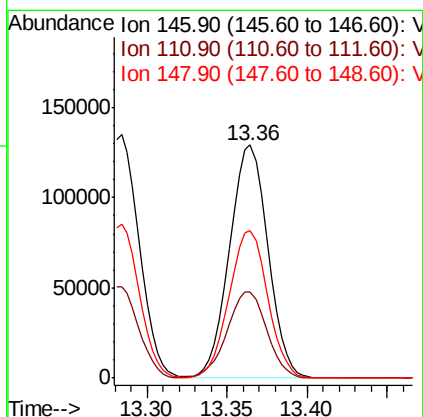
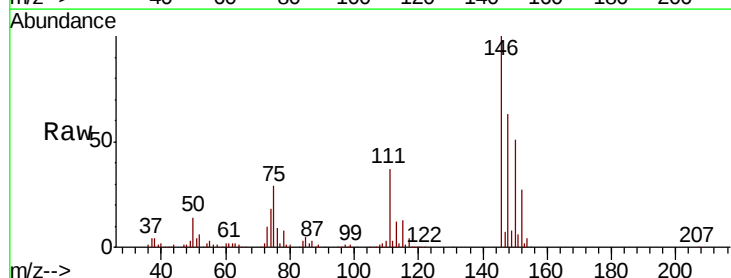
Manual Integrations
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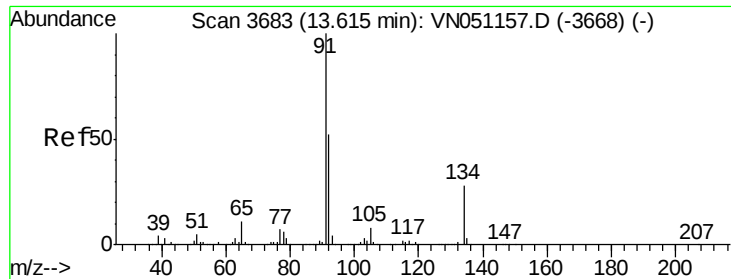
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 17.23 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.4	55.0
148	63.5	32.2	96.6





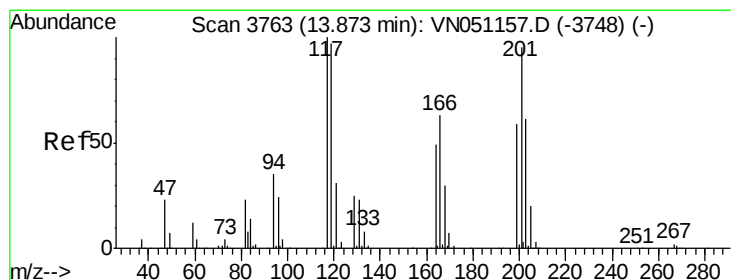
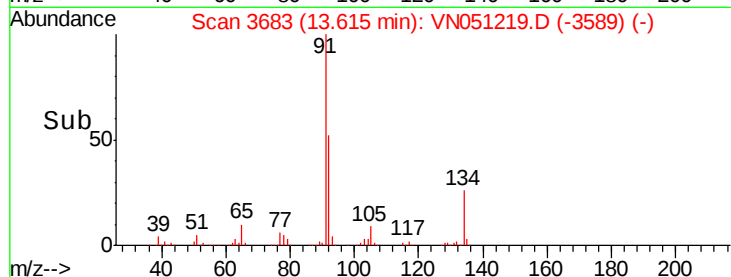
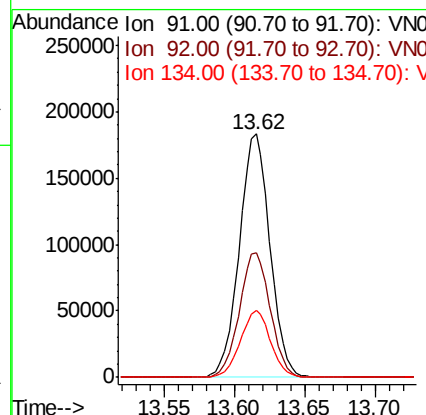
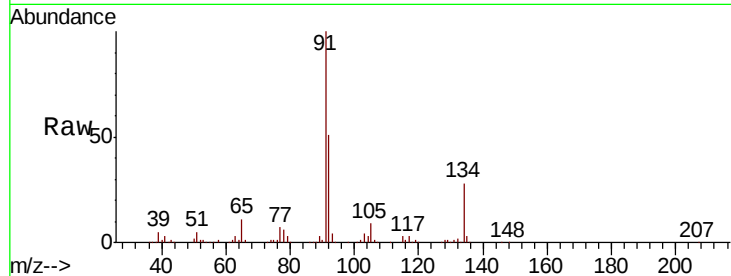
#89
n-Butylbenzene
Concen: 15.69 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	278777		
92	51.7	26.2	78.6	
134	27.0	13.7	41.1	

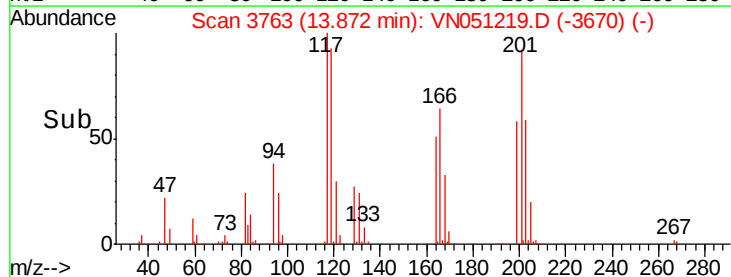
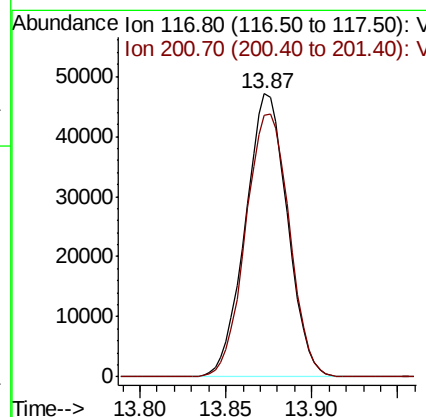
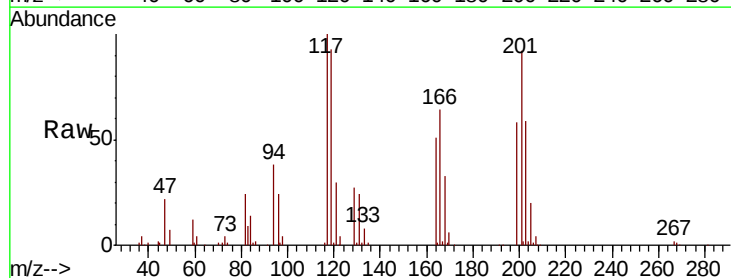
Manual Integrations
APPROVED

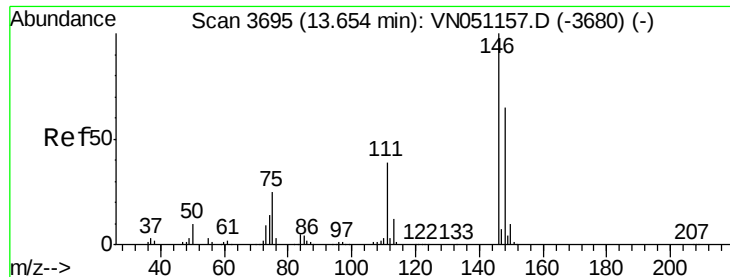
MMDadoda
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#90
Hexachloroethane
Concen: 18.92 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051219.D
Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	80207		
201	95.8	47.3	142.0	





#91

1,2-Dichlorobenzene

Concen: 16.94 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tot Ion: 146 Resp: 221268

Ion Ratio Lower Upper

146 100

111 38.3 19.7 59.0

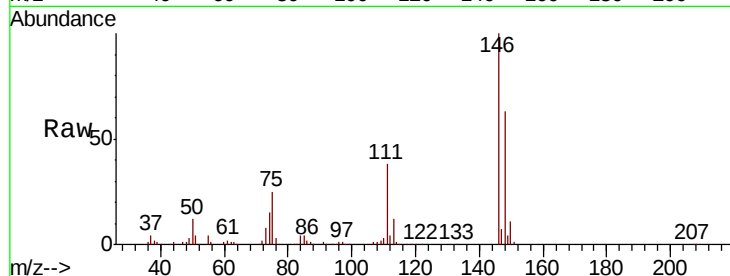
148 62.9 32.1 96.3

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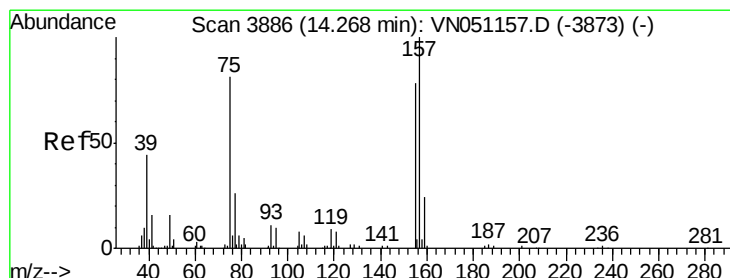
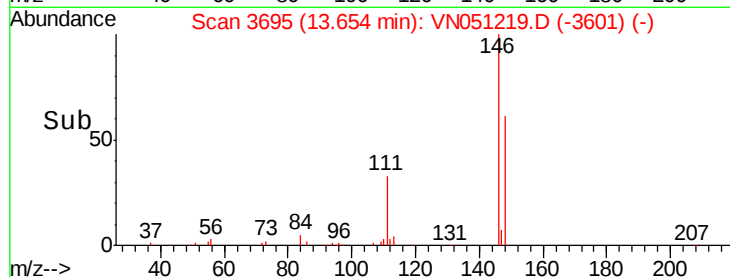
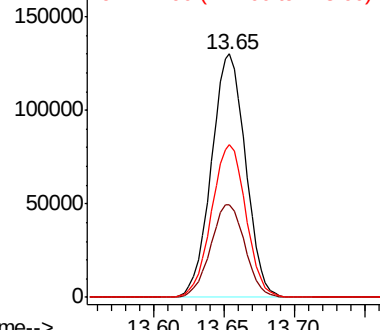
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.86 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

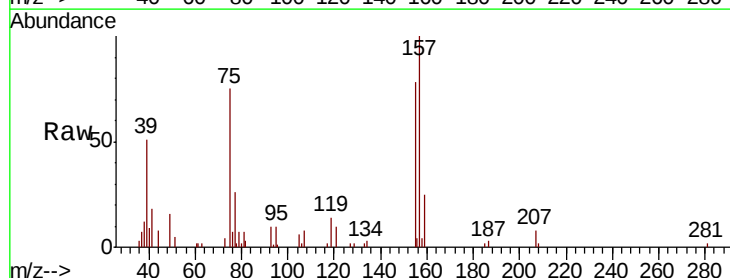
Tgt Ion: 75 Resp: 14460

Ion Ratio Lower Upper

75 100

155 102.7 48.7 146.1

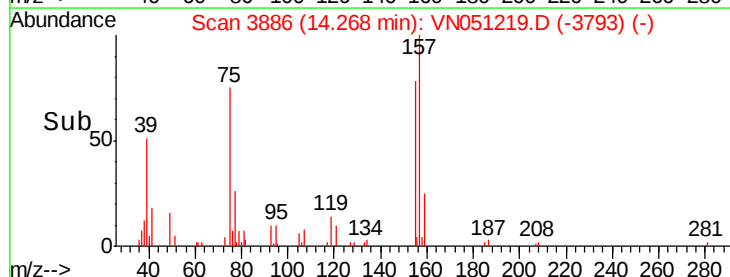
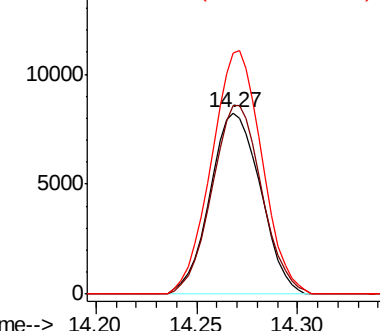
157 133.9 63.6 190.9

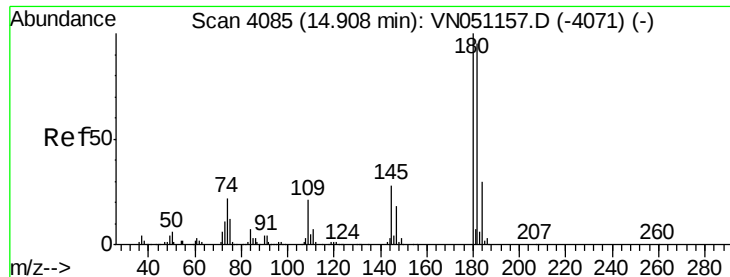


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





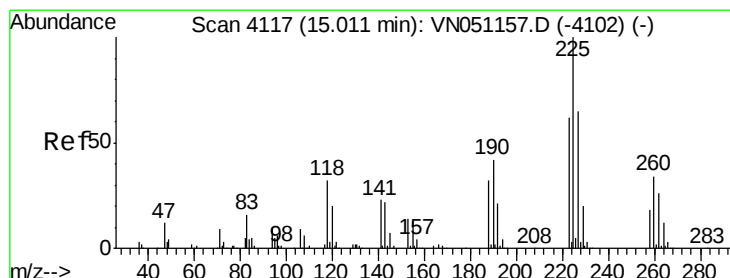
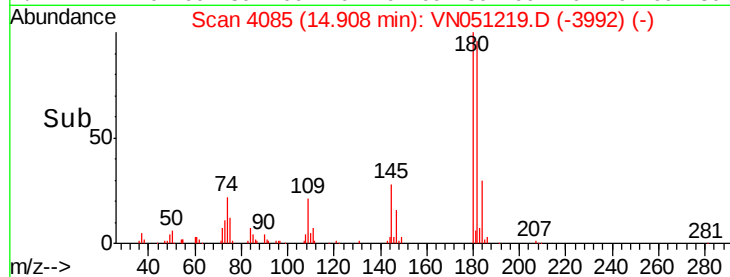
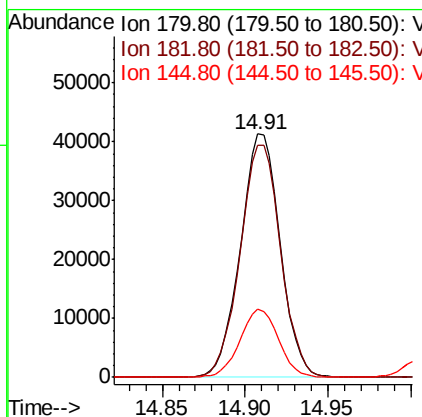
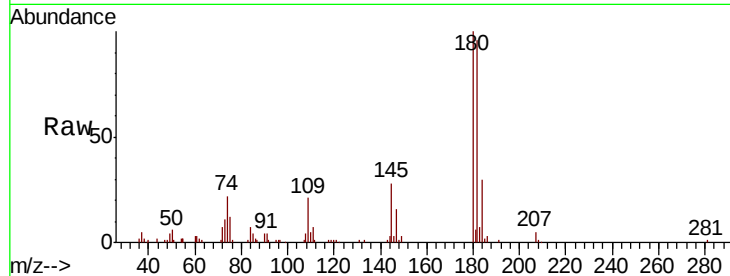
#93
 1,2,4-Trichlorobenzene
 Concen: 14.01 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.8
145	27.3	14.2	42.6

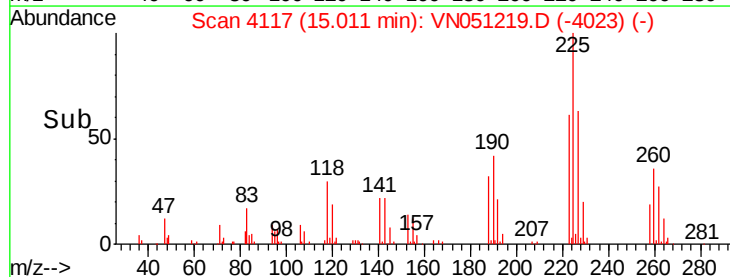
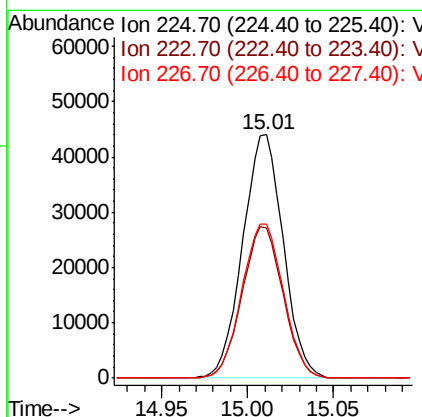
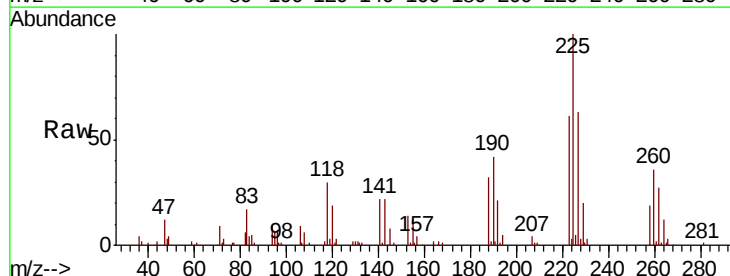
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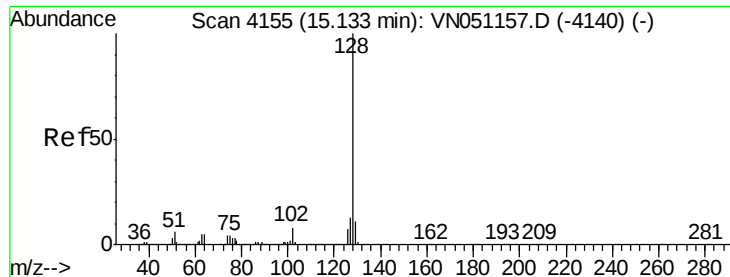
MMDadoda
 9/18/2018 4:31:37 PM



#94
 Hexachlorobutadiene
 Concen: 17.80 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051219.D
 Acq: 15 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.0
227	64.7	32.1	96.3





#95

Naphthalene

Concen: 13.46 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Instrument :

MSVOA_N

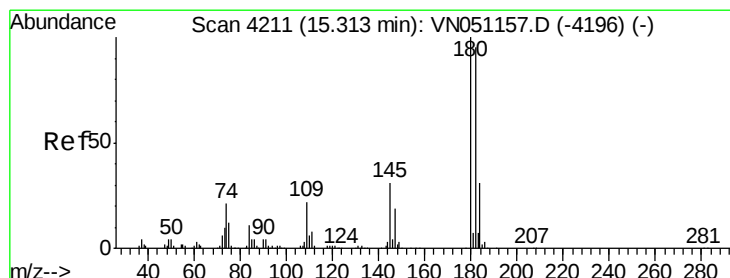
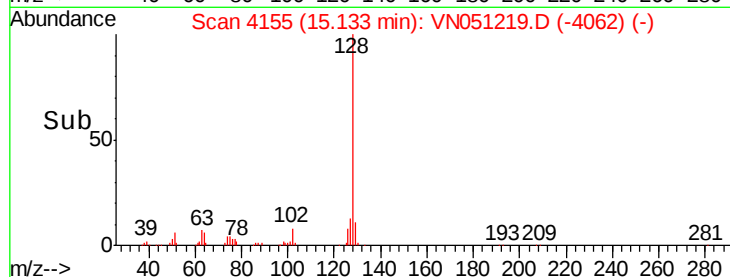
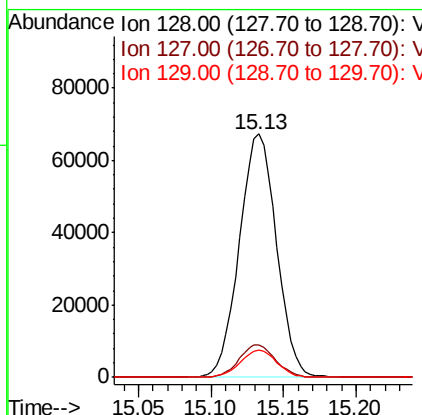
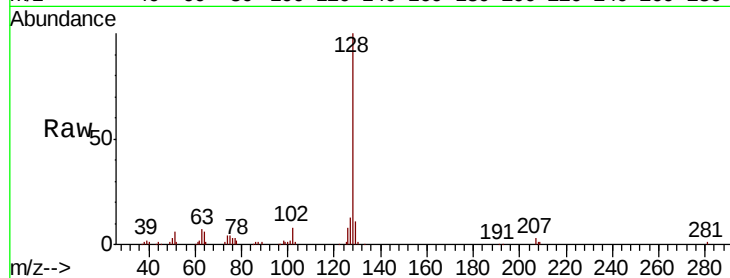
ClientSampleId :

VN0915WBSD01

Tot Ion:	128	Resp:	119921
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.1	8.6	12.8

Manual Integrations
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9/18/2018 4:31:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 14.33 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051219.D

Acq: 15 Sep 2018 13:52

Tgt Ion:	180	Resp:	72918
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.3
145	29.6	14.6	43.8

