

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052284.D
 Acq On : 13 Nov 2018 14:10
 Operator : MD\SY
 Sample : VN1113WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:18 AM

Quant Time: Nov 14 01:16:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	46224	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	270976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	238508	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110784	32.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.63%
60) 4-Bromofluorobenzene	12.40	95	108962	28.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.20%
63) Toluene-d8	10.09	98	341556	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	70398	22.803	ug/l 99
3) Chloromethane	2.06	50	80755	22.887	ug/l 98
4) Vinyl Chloride	2.19	62	68328	19.741	ug/l 100
5) Bromomethane	2.58	94	39412	16.682	ug/l 98
6) Chloroethane	2.71	64	38760	17.513	ug/l 96
7) Trichlorofluoromethane	3.03	101	94691	20.202	ug/l 99
8) Diethyl Ether	3.41	74	34217	21.621	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59093	21.571	ug/l 95
10) 1,1-Dichloroethene	3.74	96	51672	20.214	ug/l 98
11) Methyl Iodide	3.96	142	73203	19.806	ug/l 95
12) Methyl Acetate	4.33	43	53593	24.909	ug/l 97
13) Acrolein	3.61	56	24434	107.066	ug/l 97
14) Acrylonitrile	4.99	53	108134	113.330	ug/l 99
15) Acetone	3.82	58	27009	119.769	ug/l 80
16) Carbon Disulfide	4.06	76	145213	19.239	ug/l 96
17) Allyl chloride	4.33	41	98693	22.739	ug/l 97
18) Methylene Chloride	4.55	84	60033	19.027	ug/l # 83
19) trans-1,2-Dichloroethene	5.05	96	54801	19.566	ug/l 95
20) Diisopropyl ether	5.96	45	223910	23.741	ug/l 98
21) 1,1-Dichloroethane	5.86	63	119485	21.679	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	63553	19.432	ug/l 90
23) tert-Butyl Alcohol	4.78	59	18802	126.474	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	151831	20.951	ug/l # 81
25) Chloroform	7.37	83	113413	20.493	ug/l 92
26) Cyclohexane	7.66	56	105671	21.387	ug/l # 91
29) 1,1-Dichloropropene	7.80	75	85871	19.960	ug/l 99
30) 2-Butanone	6.84	43	134627	117.507	ug/l # 82
31) 2,2-Dichloropropane	6.83	77	87513	19.747	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	92435	19.203	ug/l 97
33) Carbon Tetrachloride	7.78	117	82341	19.235	ug/l 99
34) Benzene	8.04	78	253818	20.149	ug/l 95
35) Methacrylonitrile	7.18	41	35491	22.585	ug/l # 80
36) 1,2-Dichloroethane	8.13	62	88692	21.058	ug/l 100
37) Trichloroethene	8.84	130	63327	20.086	ug/l 89
38) Methylcyclohexane	9.08	83	97353	18.550	ug/l 93
39) 1,2-Dichloropropane	9.12	63	72872	21.732	ug/l 98
40) Dibromomethane	9.21	93	41129	19.899	ug/l 96

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

41) Bromodichloromethane	9.40	83	82700	19.556	ug/l	94
42) Vinyl Acetate	5.90	43	769947	114.795	ug/l	97
43) Ethyl Acetate	6.84	43	134627	23.382	ug/l #	87
44) Isopropyl Acetate	8.17	43	114029	23.920	ug/l	92
45) 1,4-Dioxane	9.19	88	9967	458.317	ug/l #	69
46) Methyl methacrylate	9.20	41	56786	23.931	ug/l	88
47) n-amyl Acetate	12.07	43	88067	20.381	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	83394	19.859	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	96952	20.003	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	53861	19.707	ug/l	95
51) Ethyl methacrylate	10.43	69	68951	19.520	ug/l	84
52) 1,3-Dichloropropane	10.71	76	97794	20.542	ug/l	99
53) Dibromochloromethane	10.90	129	56523	19.156	ug/l	100
54) 1,2-Dibromoethane	11.01	107	54186	19.551	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	207533	107.292	ug/l	98
56) Bromoform	12.12	173	32166	18.875	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	303374	118.703	ug/l	95
59) 2-Hexanone	10.75	43	195169	110.910	ug/l	97
61) Tetrachloroethene	10.63	164	53783	20.734	ug/l	96
62) Toluene	10.16	91	270884	20.232	ug/l	99
64) Chlorobenzene	11.43	112	160714	18.940	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	59028	20.438	ug/l	99
66) Ethyl Benzene	11.51	91	285454	19.738	ug/l	96
67) m/p-Xylenes	11.62	106	209424	37.612	ug/l	97
68) o-Xylene	11.95	106	101000	19.026	ug/l	100
69) Styrene	11.96	104	163412	19.103	ug/l	97
70) Isopropylbenzene	12.25	105	277428	19.468	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	66420	21.190	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	58586m	21.258	ug/l	
73) Bromobenzene	12.53	156	62028	19.644	ug/l	97
74) n-propylbenzene	12.59	91	323007	19.464	ug/l	100
75) 2-Chlorotoluene	12.67	91	186778	19.522	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	221503	19.384	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15727	18.238	ug/l	90
78) 4-Chlorotoluene	12.77	91	187696	19.482	ug/l	97
79) tert-butylbenzene	12.99	119	192653	19.354	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	221213	19.432	ug/l	98
81) sec-Butylbenzene	13.17	105	265837	19.406	ug/l	100
82) p-Isopropyltoluene	13.29	119	222783	19.244	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	109431	19.592	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	103799	18.773	ug/l	97
85) n-Butylbenzene	13.61	91	189067	18.870	ug/l	99
86) Hexachloroethane	13.87	117	37688	19.292	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	105111	19.807	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8766	20.452	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	43008	19.965	ug/l	98
90) Hexachlorobutadiene	15.01	225	25351	21.511	ug/l	98
91) Naphthalene	15.13	128	97238	19.584	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	40400	21.519	ug/l	99

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Instrument :
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ClientSampleId :
VN1113WBSD01

Manual Integrations
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QLast Update : Fri Nov 02 05:39:38 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

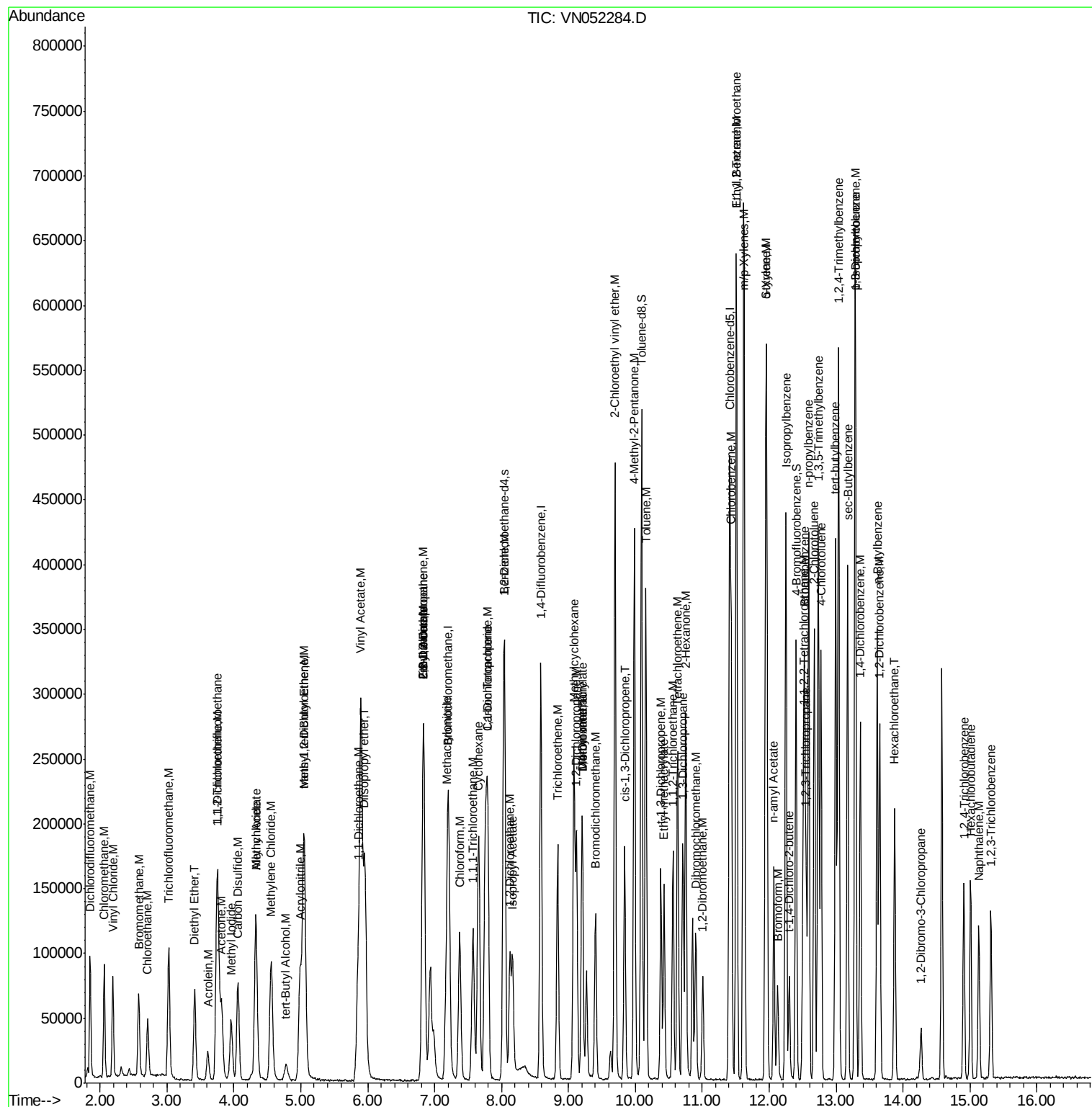
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Data File : VN052284.D
Acq On : 13 Nov 2018 14:10
Operator : MD\SY
Sample : VN1113WBSD01
Misc : 5.00mL/MSVOA N/WATER
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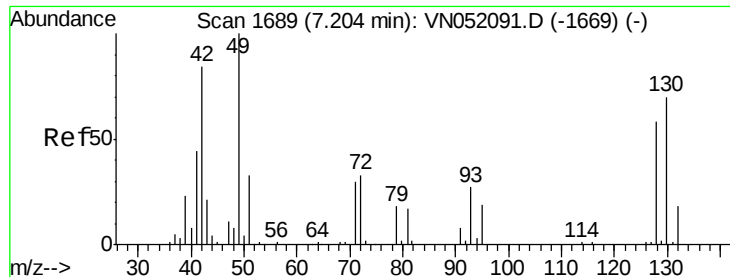
Instrument :
MSVOA_N
Client Sampled :
VN1113WBSD01

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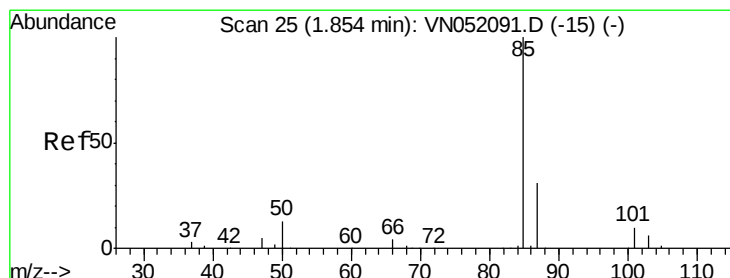
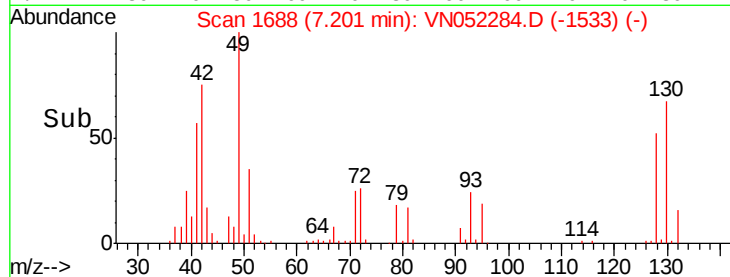
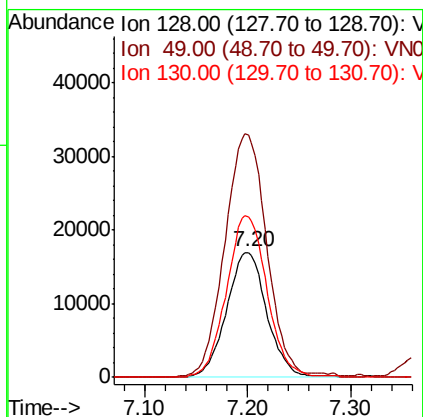
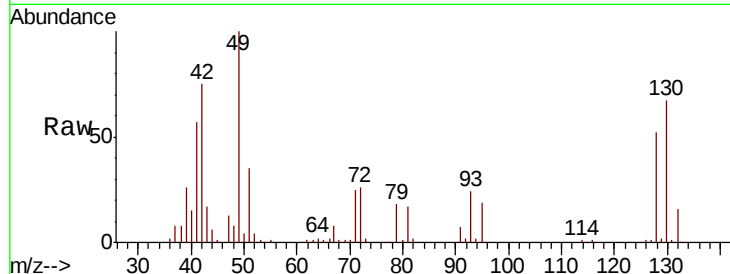
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	202.0	0.0	453.7
130	130.0	0.0	308.8

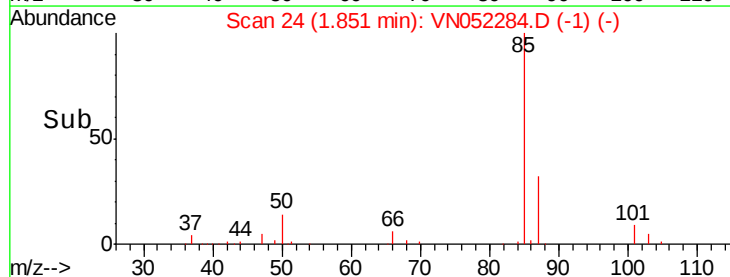
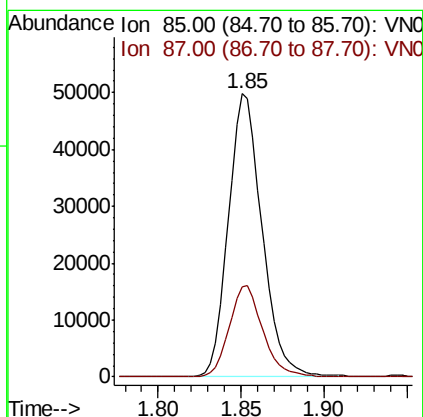
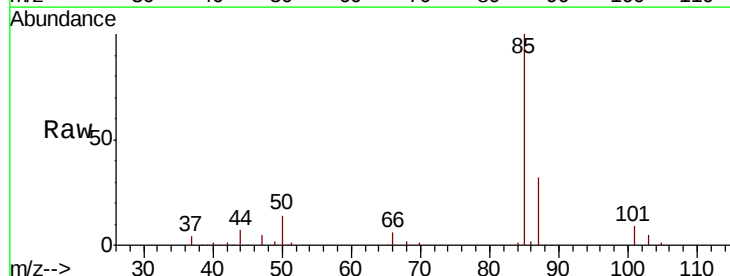
Manual Integrations
 APPROVED

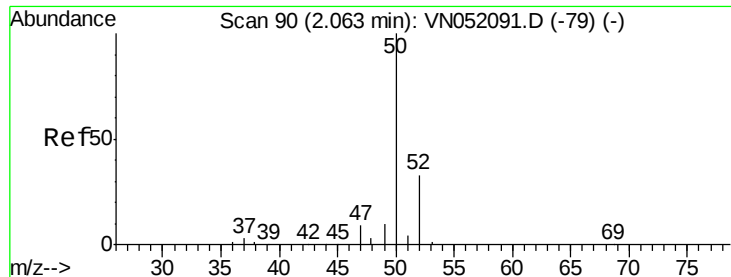
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#2
 Dichlorodifluoromethane
 Concen: 22.803 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.7	47.1





#3

Chloromethane

Concen: 22.887 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 50 Resp: 80755

Ion Ratio Lower Upper

50 100

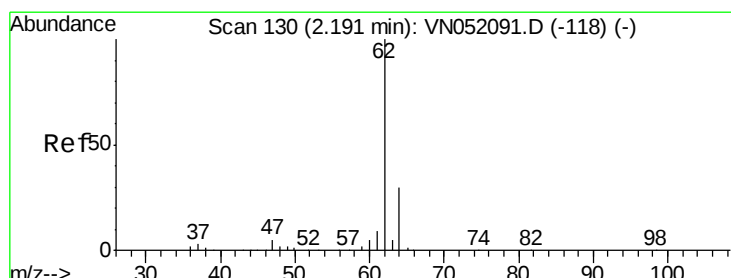
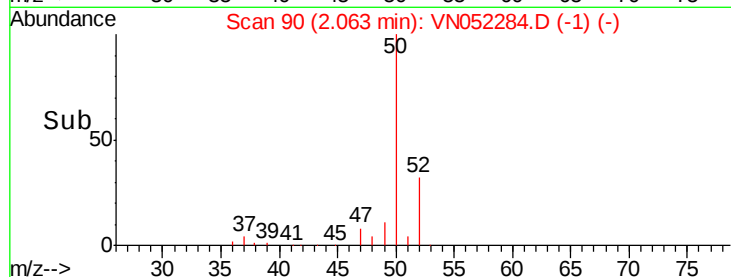
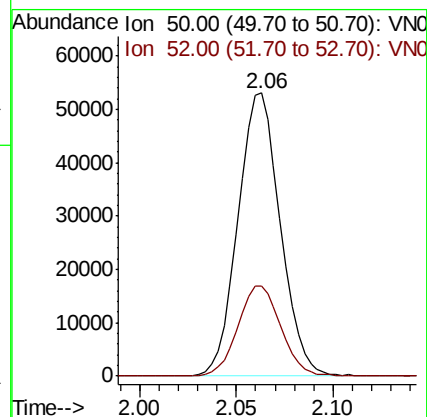
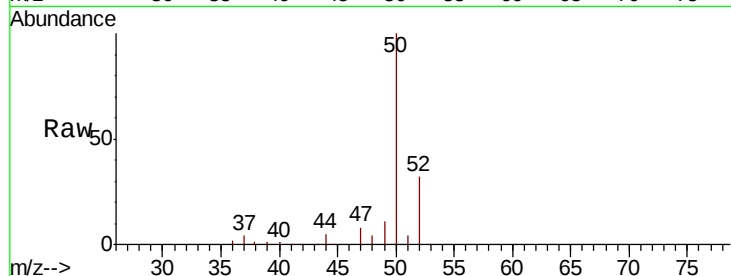
52 31.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.741 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052284.D

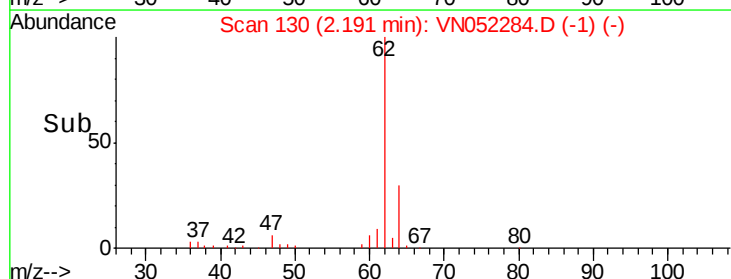
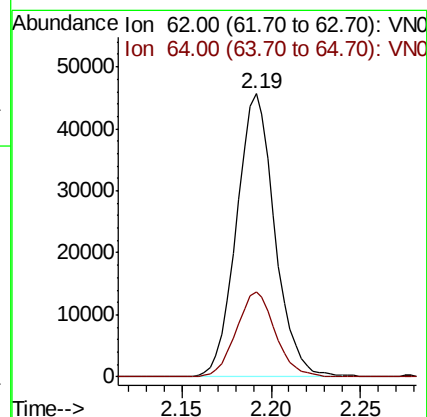
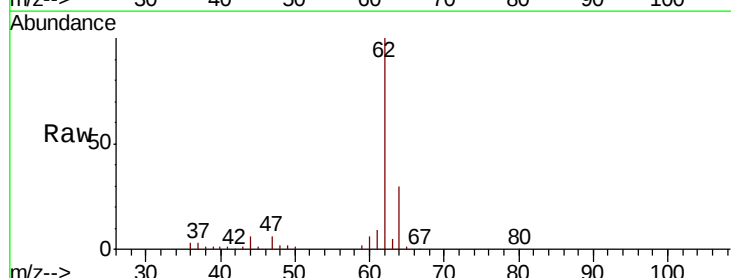
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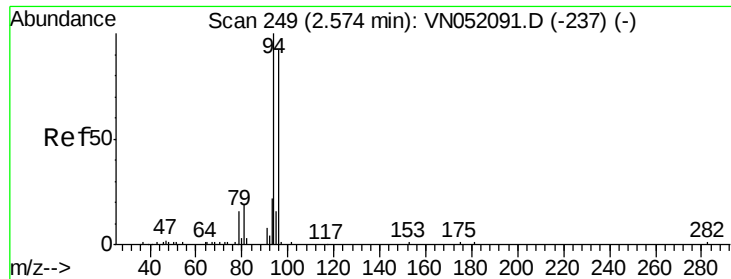
Tgt Ion: 62 Resp: 68328

Ion Ratio Lower Upper

62 100

64 30.2 24.2 36.4





#5

Bromomethane

Concen: 16.682 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 94 Resp: 39412

Ion Ratio Lower Upper

94 100

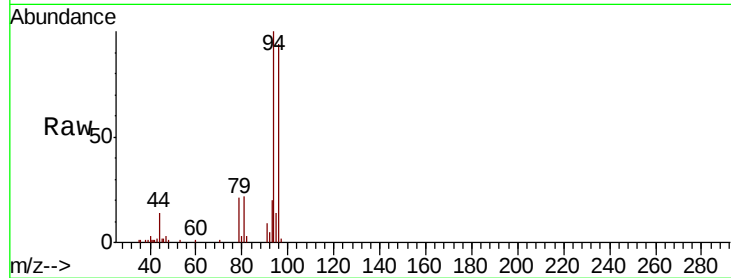
96 93.9 73.4 110.0

Manual Integrations

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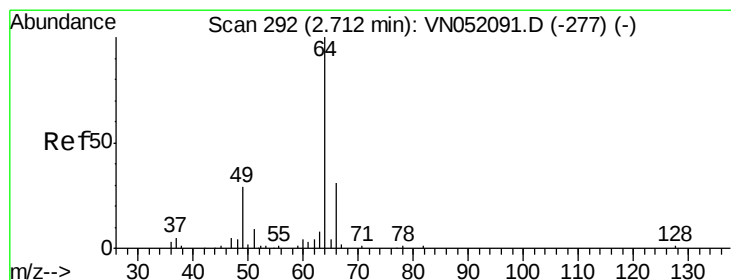
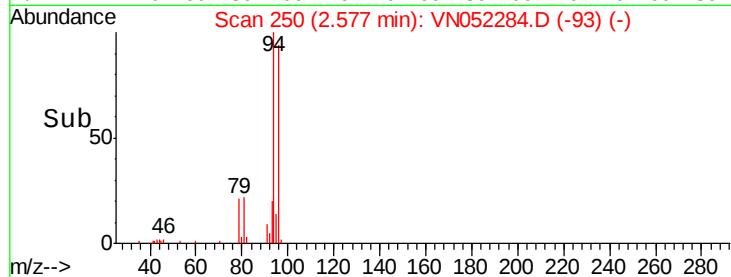
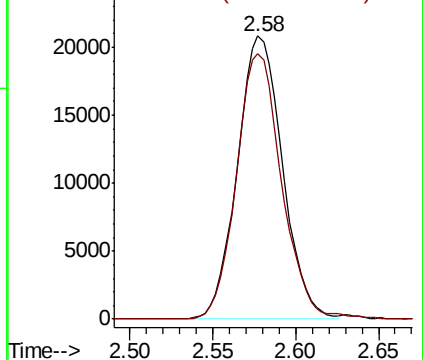
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 17.513 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052284.D

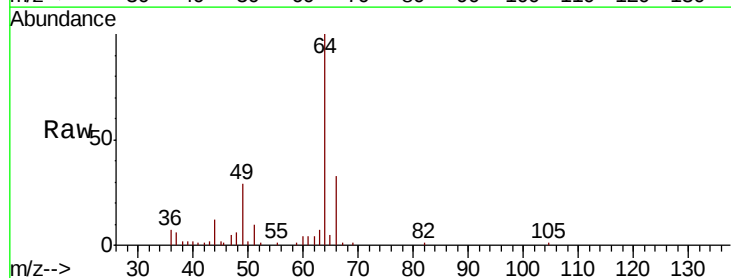
Acq: 13 Nov 2018 14:10

Tgt Ion: 64 Resp: 38760

Ion Ratio Lower Upper

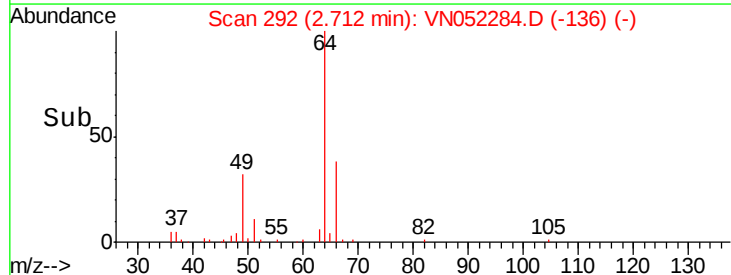
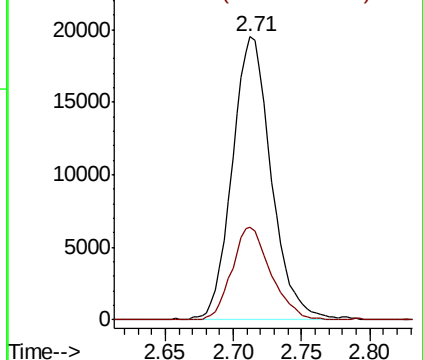
64 100

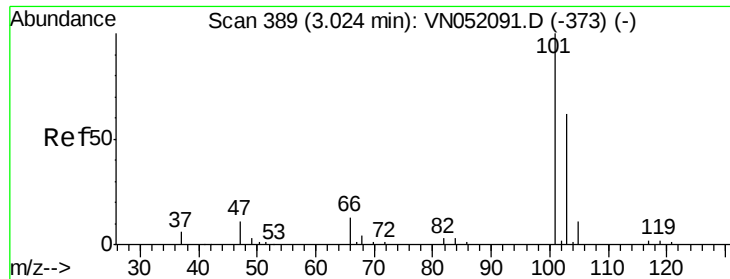
66 33.0 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

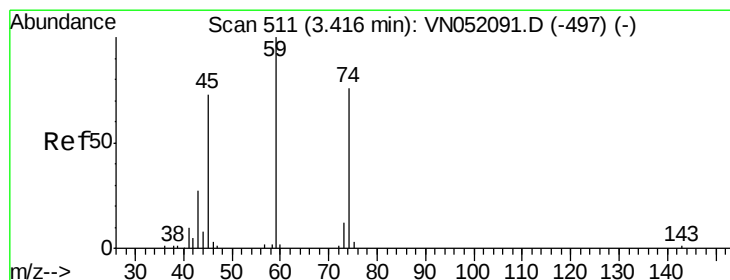
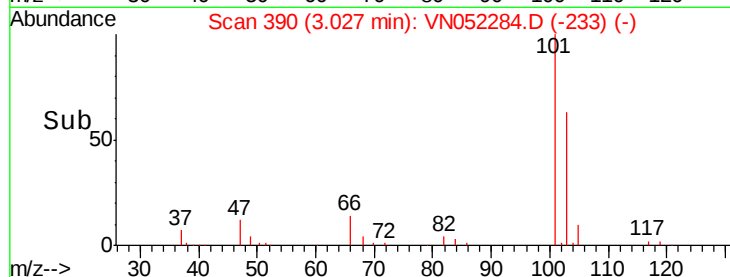
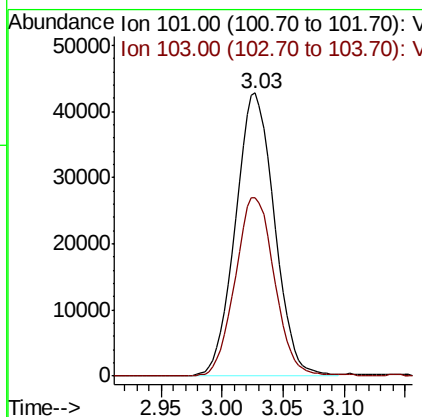
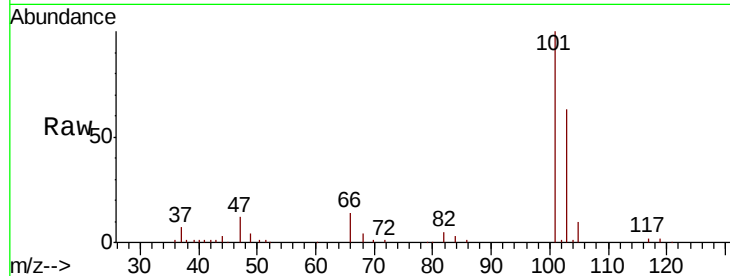
Trichlorofluoromethane
 Concen: 20.202 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.5	74.3

Manual Integrations
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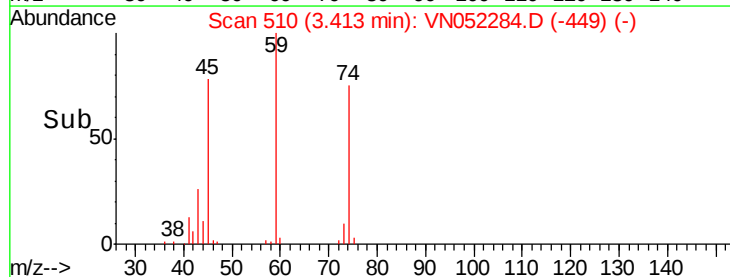
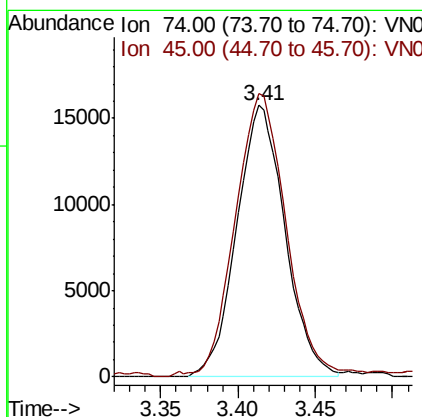
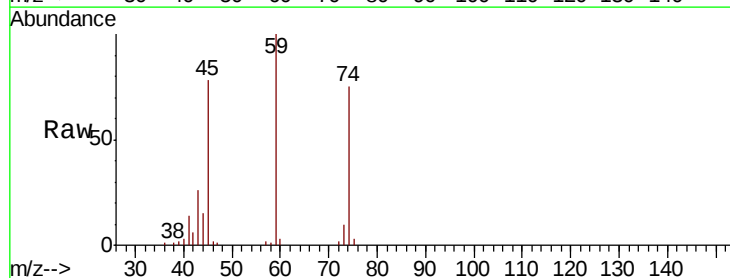
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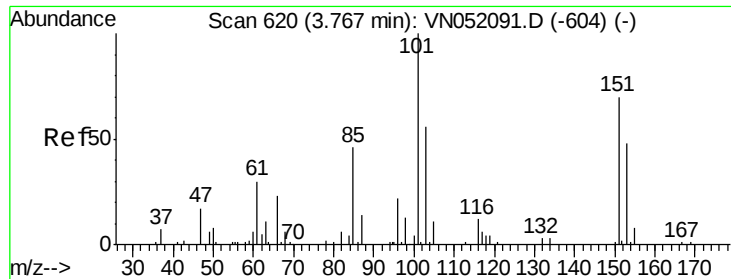


#8

Diethyl Ether
 Concen: 21.621 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.4	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.571 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

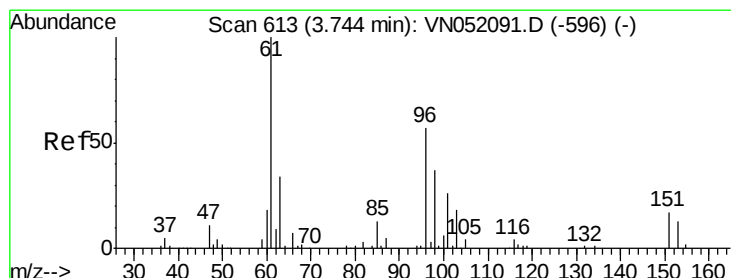
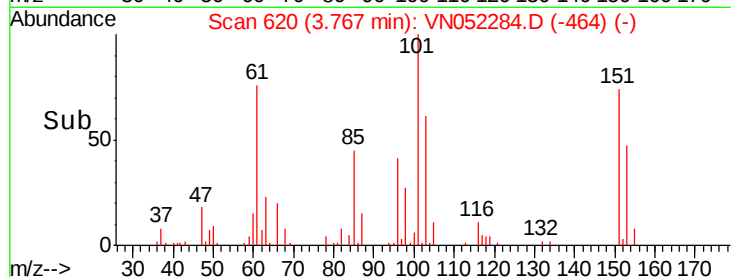
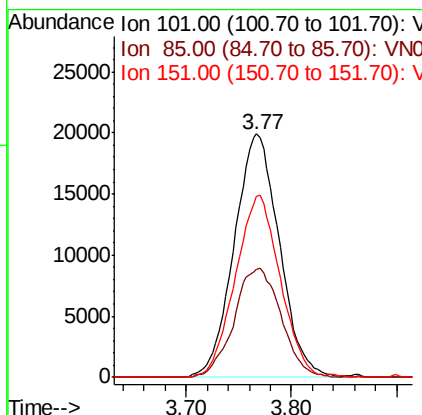
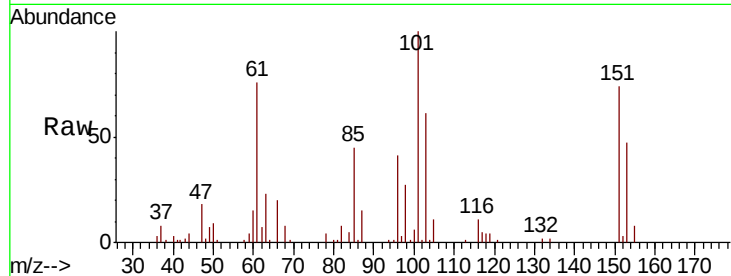
ClientSampleId :

VN1113WBSD01

Tot Ion:	101	Resp:	59093
Ion Ratio	Lower	Upper	
101	100		
85	46.6	0.0	98.0
151	74.1	0.0	139.6

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#10

1,1-Dichloroethene

Concen: 20.214 ug/l

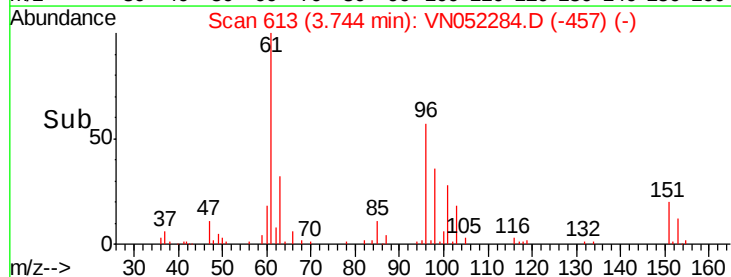
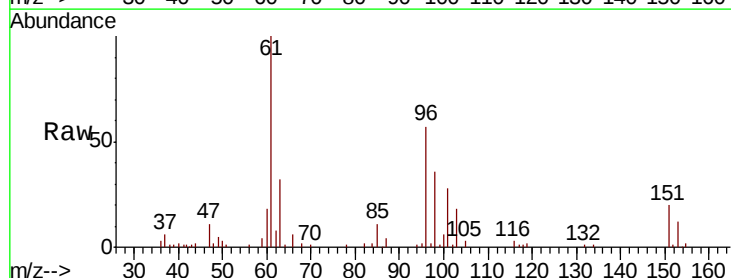
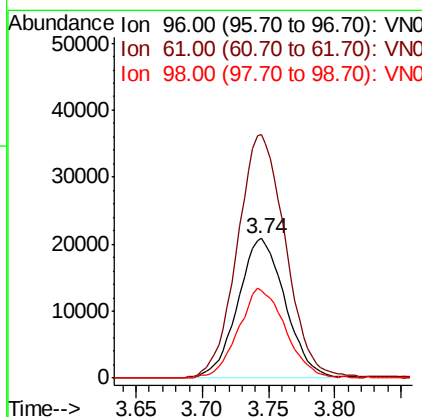
RT: 3.74 min Scan# 613

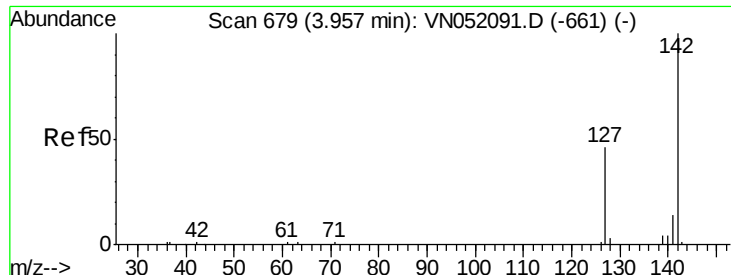
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	96	Resp:	51672
Ion Ratio	Lower	Upper	
96	100		
61	173.5	140.3	210.5
98	63.0	52.0	78.0





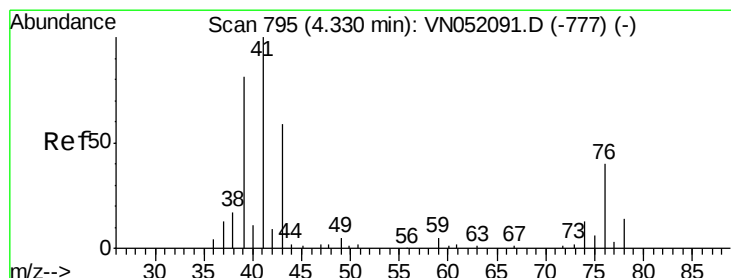
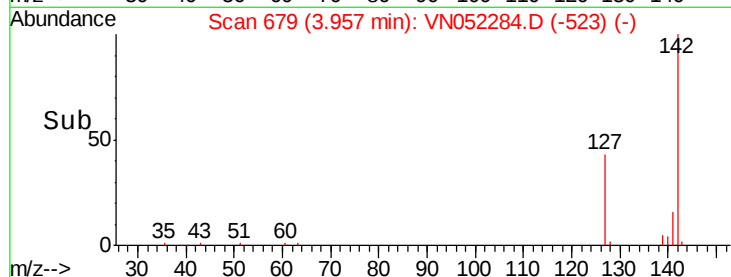
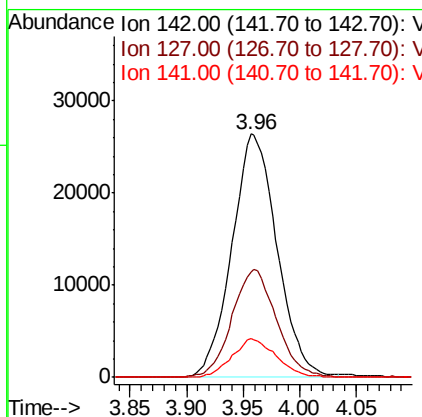
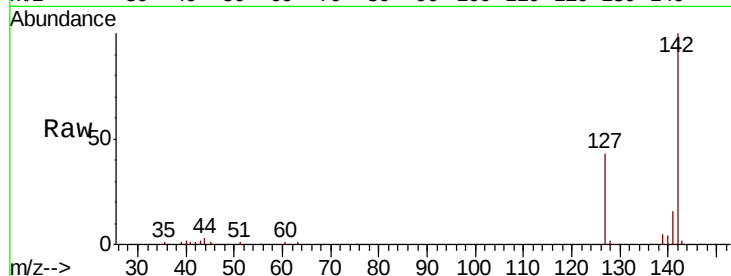
#11
Methvl Iodide
Concen: 19.806 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampled :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	23.1	69.2
141	16.2	7.0	20.9

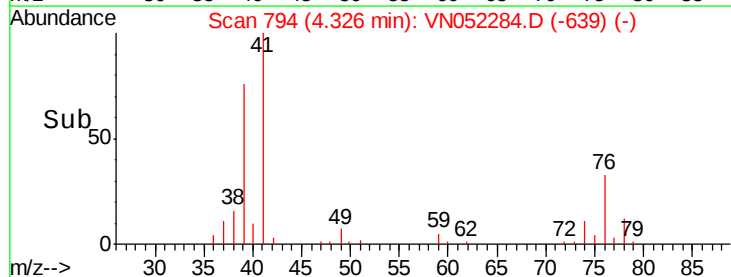
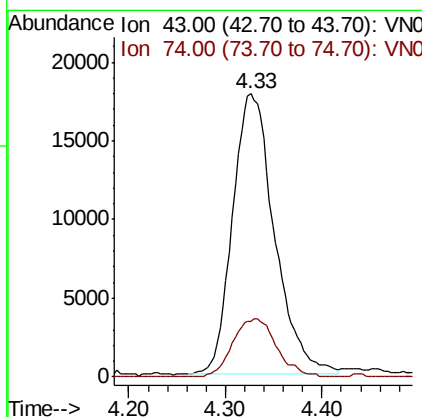
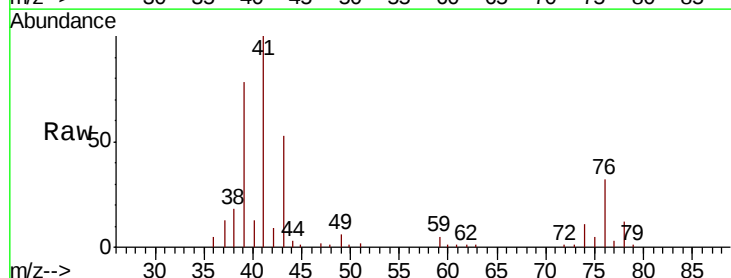
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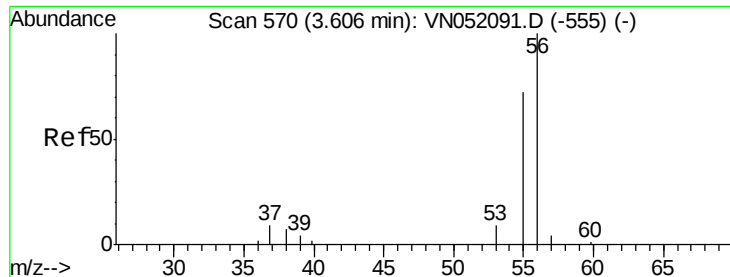
MMDadoda
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#12
Methyl Acetate
Concen: 24.909 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	17.4	26.2





#13

Acrolein

Concen: 107.066 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 56 Resp: 24434

Ion Ratio Lower Upper

56 100

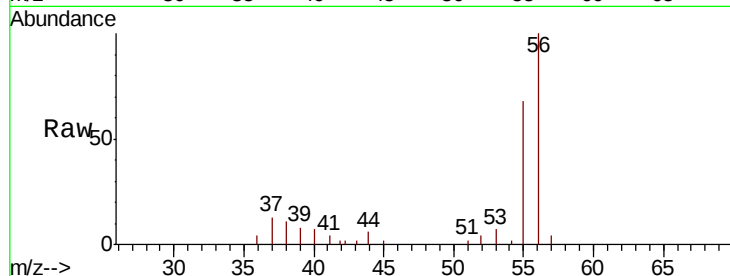
55 72.3 56.2 84.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

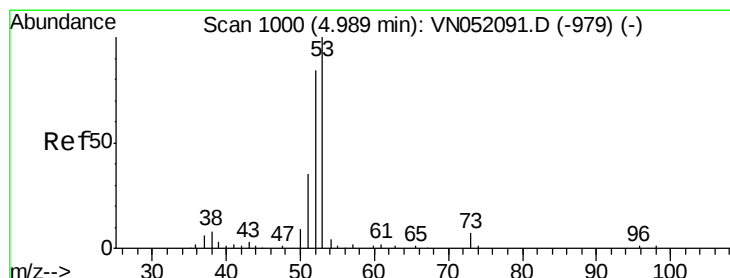
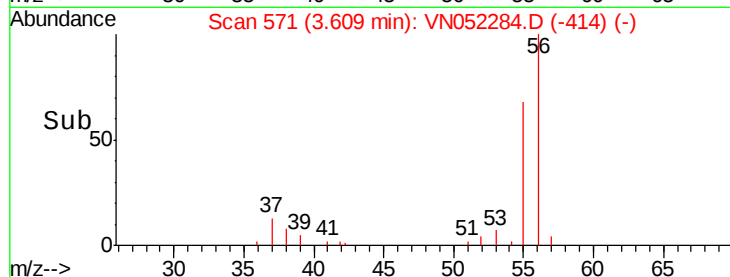
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 113.330 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

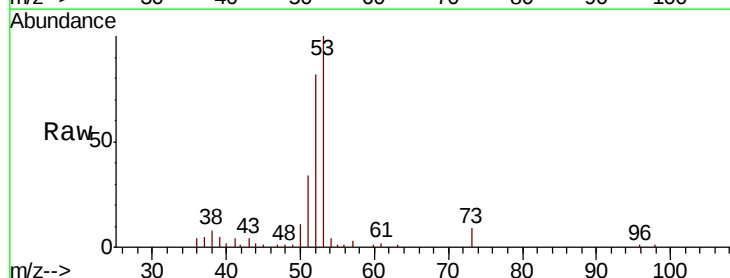
Tgt Ion: 53 Resp: 108134

Ion Ratio Lower Upper

53 100

52 82.9 41.3 124.1

51 36.3 18.6 55.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

40000

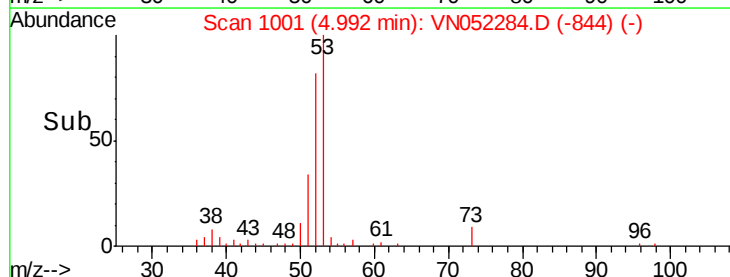
30000

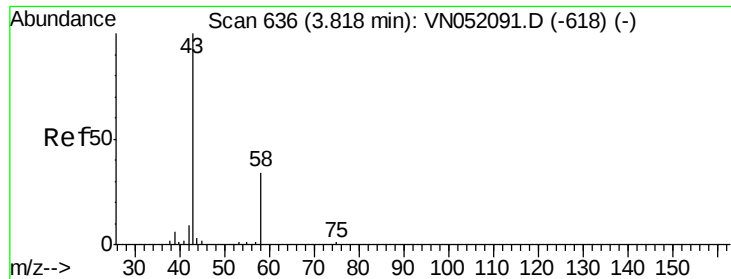
20000

10000

0

Time-->





#15

Acetone

Concen: 119.769 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 58 Resp: 27009

Ion Ratio Lower Upper

58 100

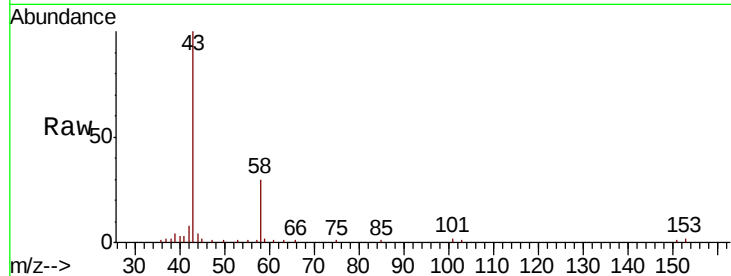
43 331.7 234.7 352.1

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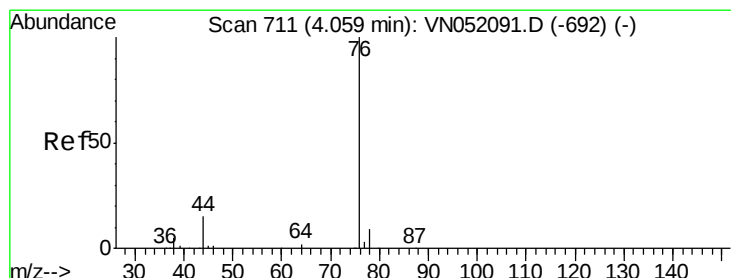
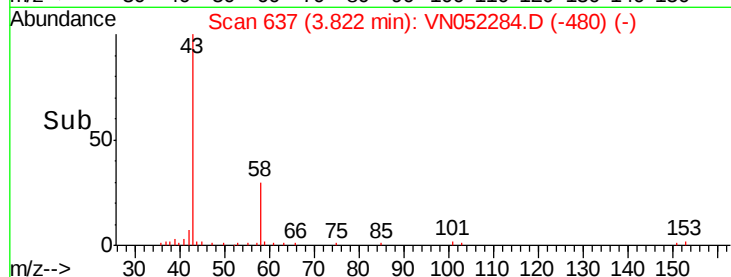
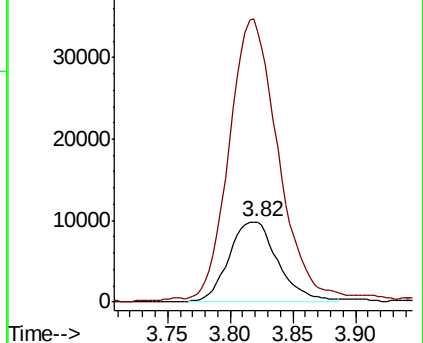
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Abundance Ion 58.00 (57.70 to 58.70): VN052091.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-618) (-)



#16

Carbon Disulfide

Concen: 19.239 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN052284.D

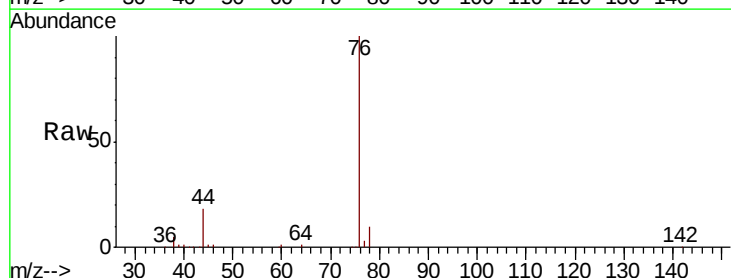
Acq: 13 Nov 2018 14:10

Tgt Ion: 76 Resp: 145213

Ion Ratio Lower Upper

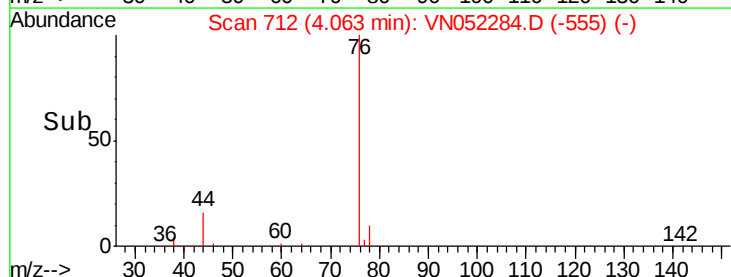
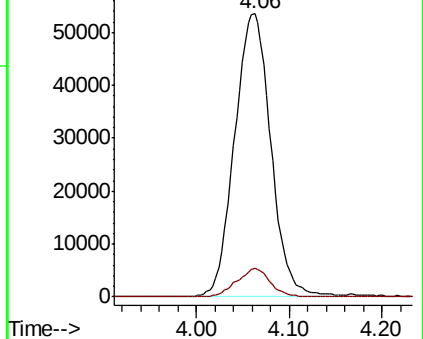
76 100

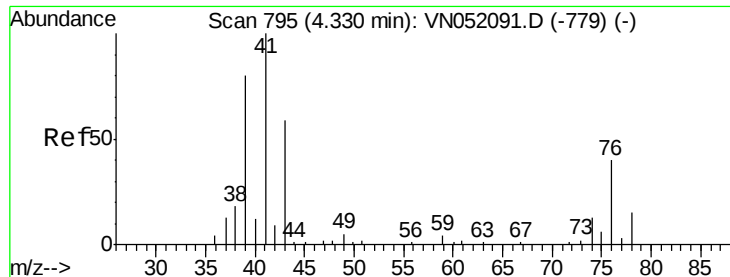
78 10.1 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-692) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-692) (-)





#17

Allvl chloride

Concen: 22.739 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

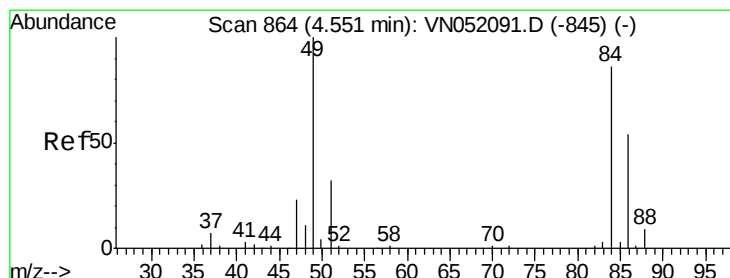
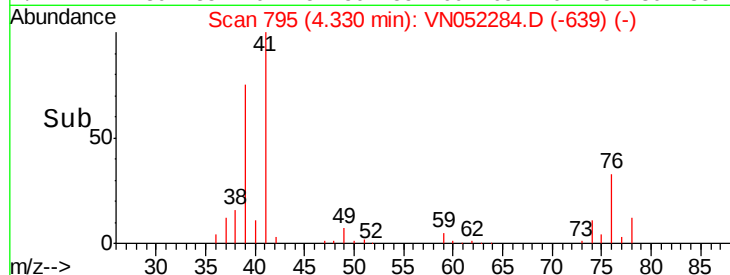
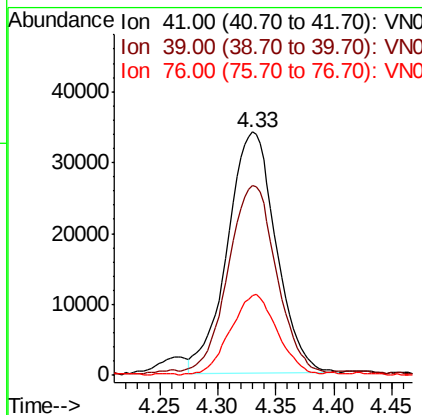
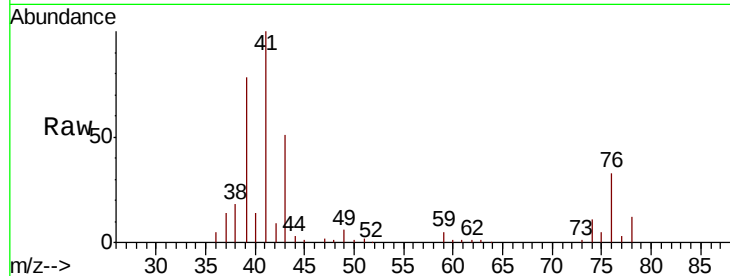
ClientSampleId :

VN1113WBSD01

Tot Ion:	41	Resp:	98693
Ion	Ratio	Lower	Upper
41	100		
39	77.0	38.4	115.1
76	32.4	18.8	56.3

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#18

Methylene Chloride

Concen: 19.027 ug/l

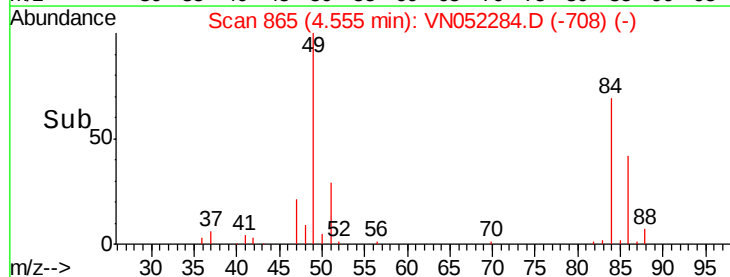
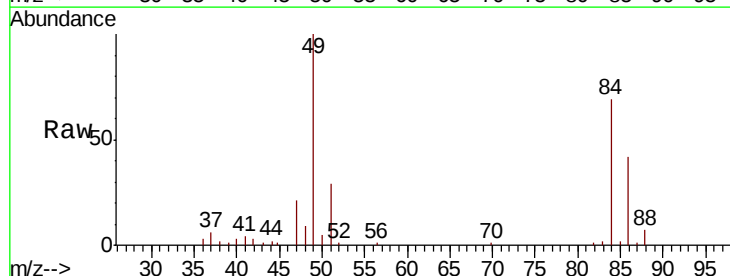
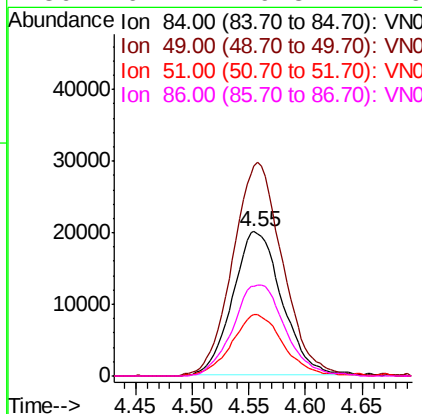
RT: 4.55 min Scan# 865

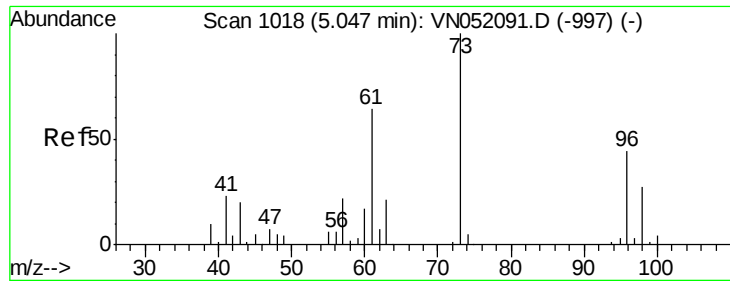
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	84	Resp:	60033
Ion	Ratio	Lower	Upper
84	100		
49	145.7	92.6	138.8#
51	42.3	29.7	44.5
86	62.7	49.8	74.6





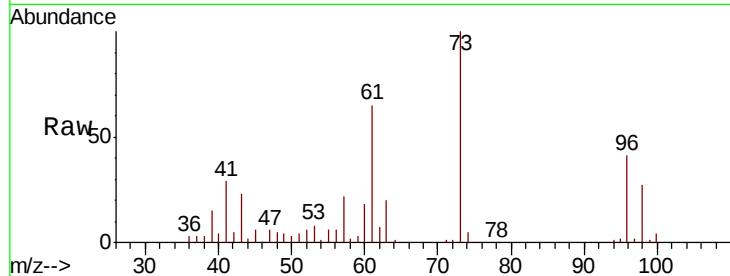
#19
trans-1,2-Dichloroethene
Concen: 19.566 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

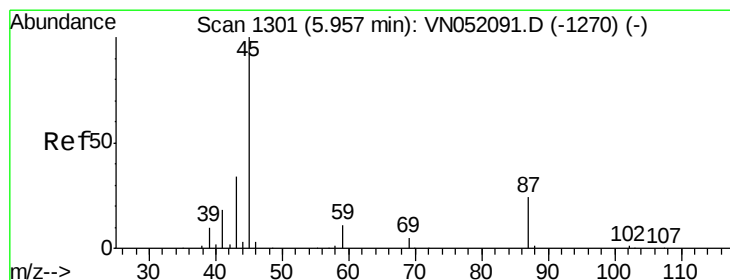
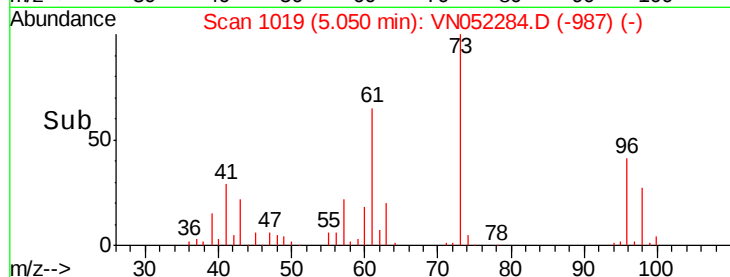
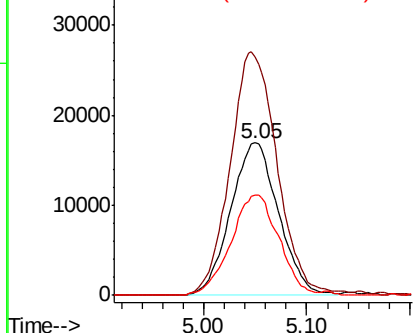
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	117.8	176.6
98	64.8	49.3	73.9

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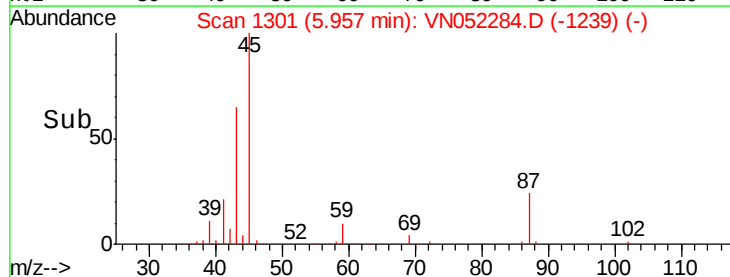
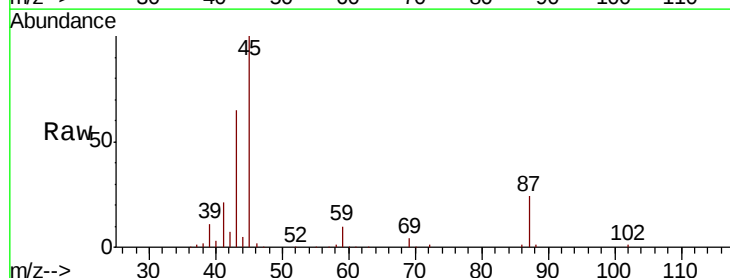
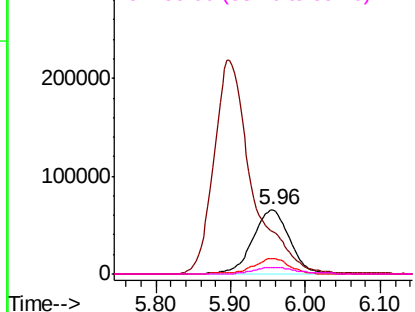
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

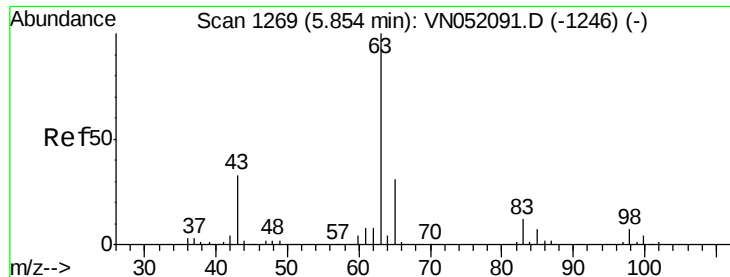


#20
Diisopropyl ether
Concen: 23.741 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	49.4	74.0
87	24.4	20.3	30.5
59	9.8	8.6	12.8

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





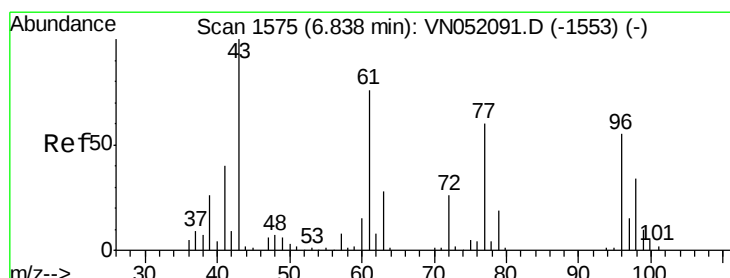
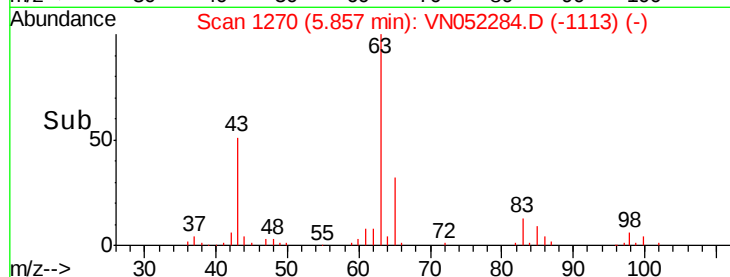
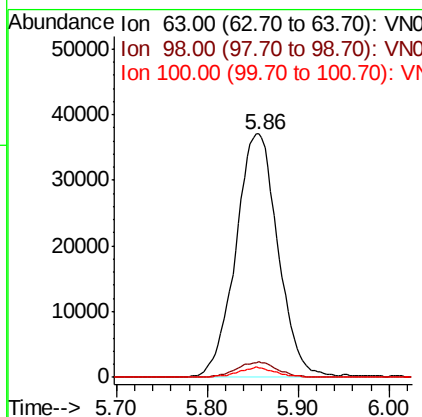
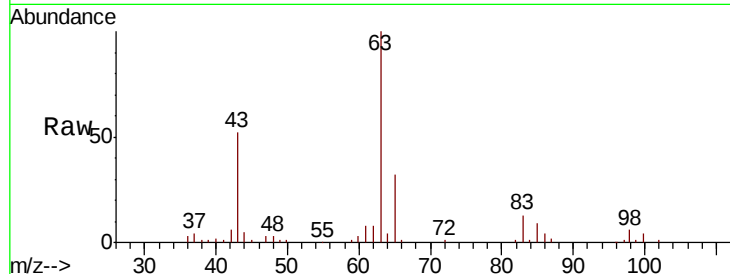
#21
 1,1-Dichloroethane
 Concen: 21.679 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	119485		
98	6.4		3.4	10.1
100	4.0		2.0	5.8

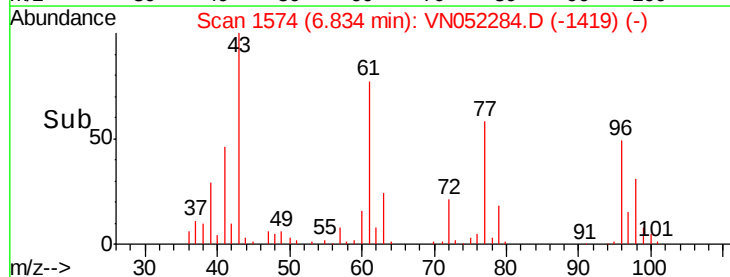
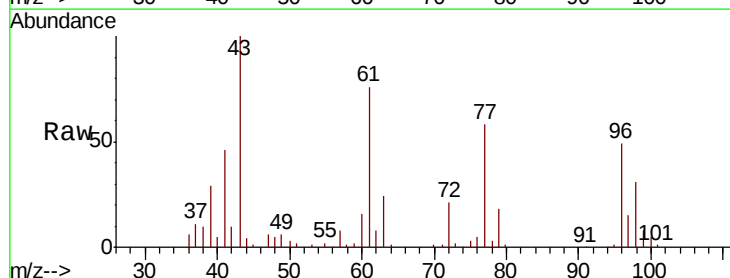
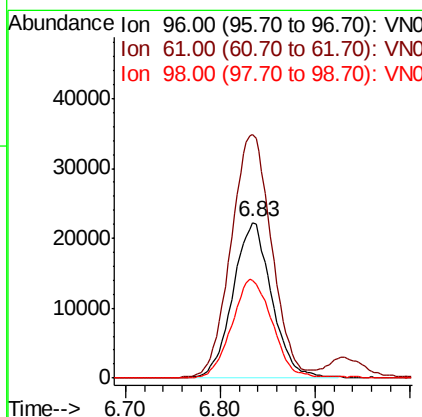
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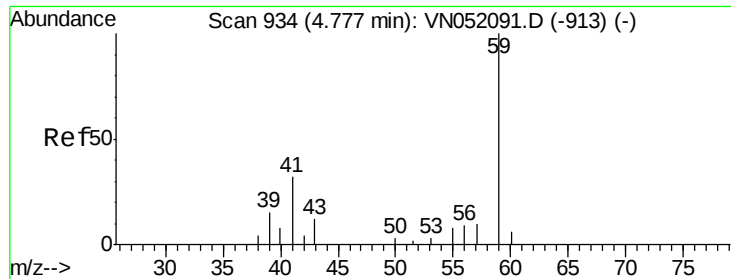
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 11/14/2018 11:10:18 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.432 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	63553		
61	163.9		117.6	176.4
98	65.9		51.0	76.4





#23

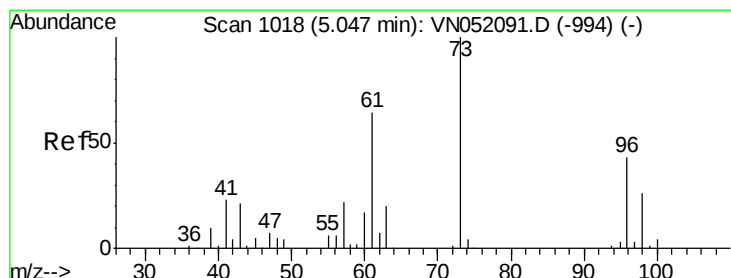
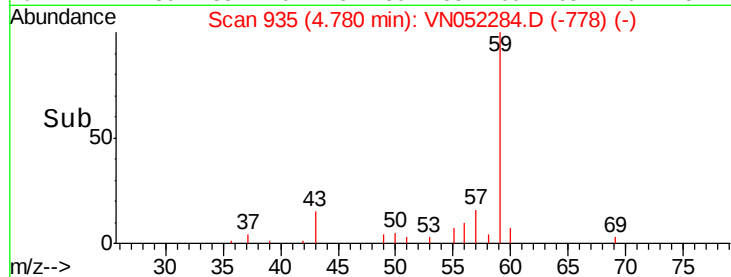
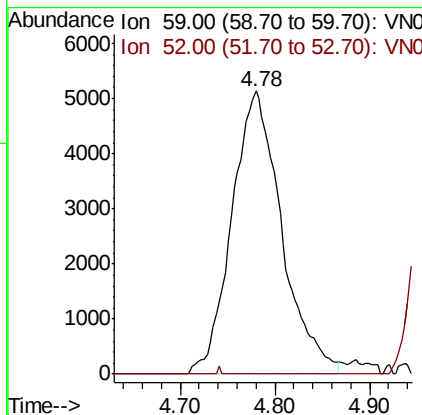
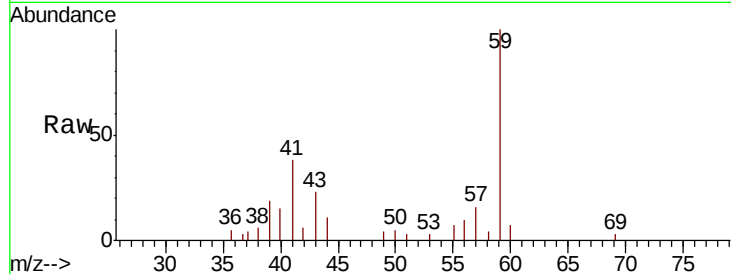
tert-Butyl Alcohol
 Concen: 126.474 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.3	0.5#

Manual Integrations
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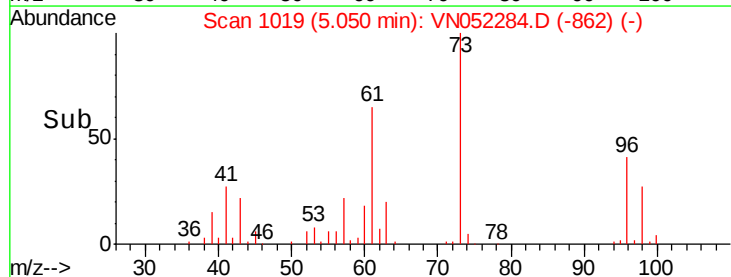
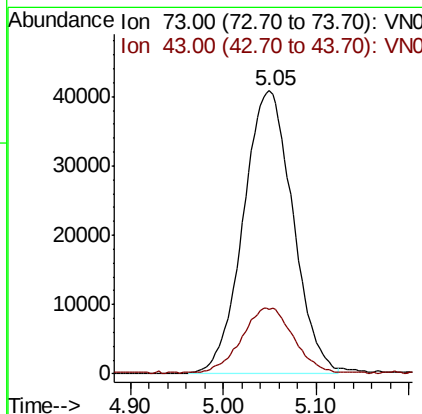
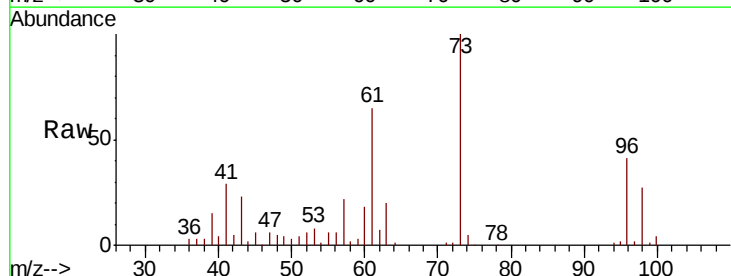
MMDadoda
 11/14/2018 11:10:18 AM

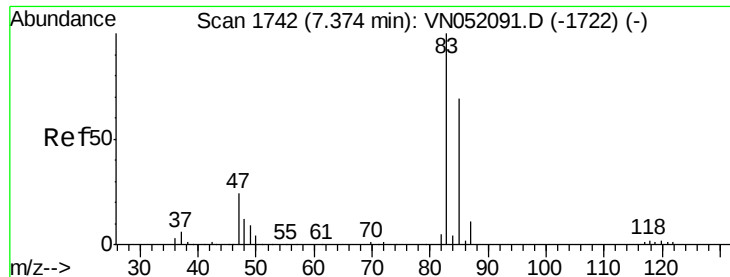


#24

Methyl tert-Butyl Ether
 Concen: 20.951 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
73	100		
43	12.9	17.4	26.2#





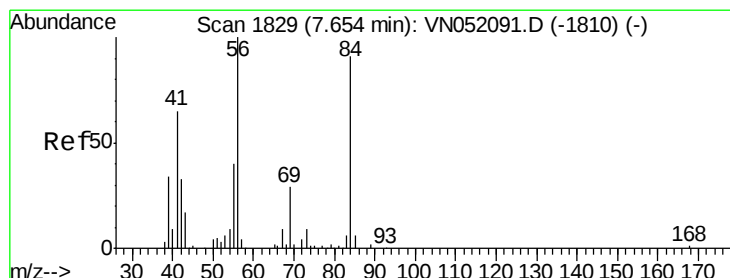
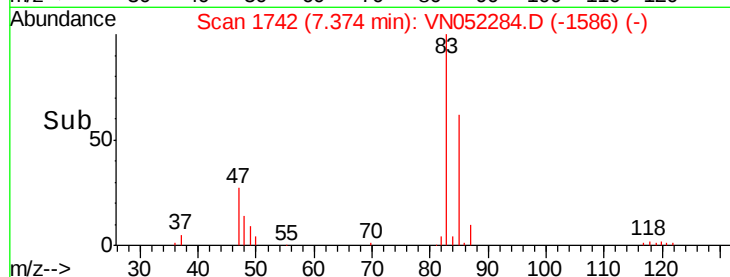
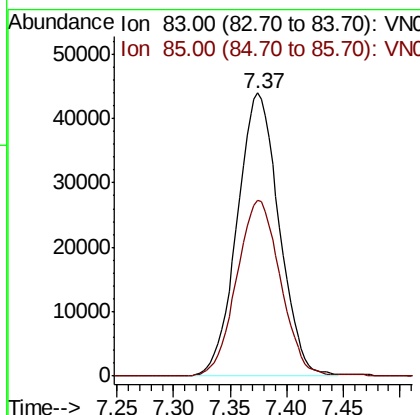
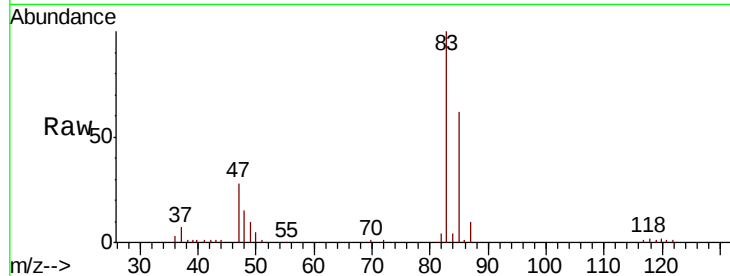
#25
Chloroform
Concen: 20.493 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	83	Resp	113413
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	54.9	82.3

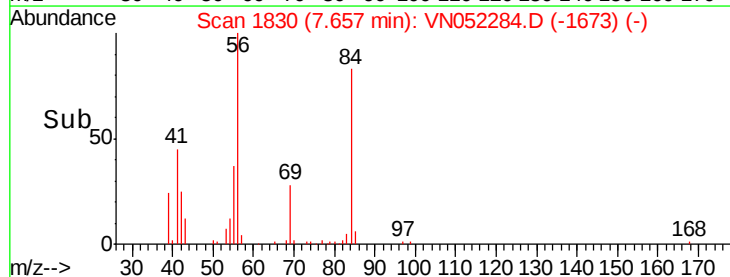
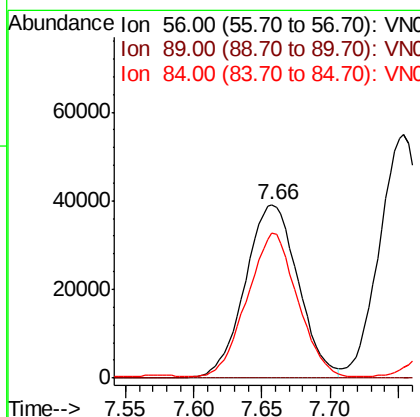
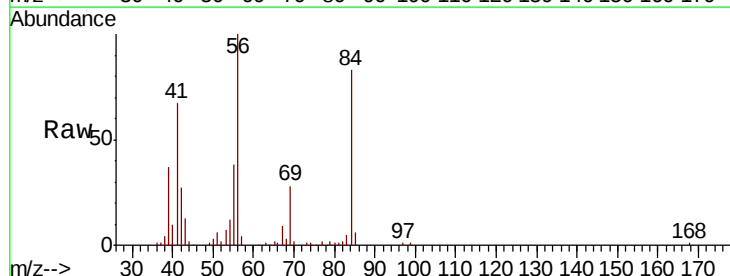
Manual Integrations
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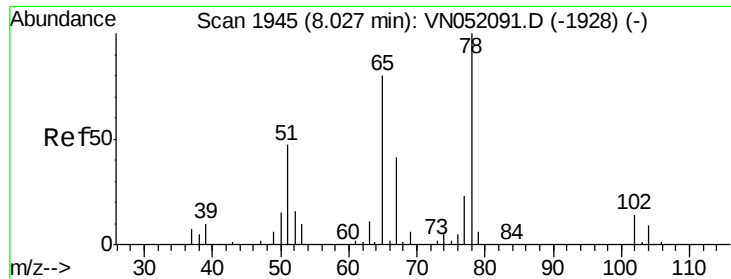
MMDadoda
11/14/2018 11:10:18 AM



#26
Cyclohexane
Concen: 21.387 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	56	Resp	105671
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	2.2	3.2#
84	80.1	71.0	106.6





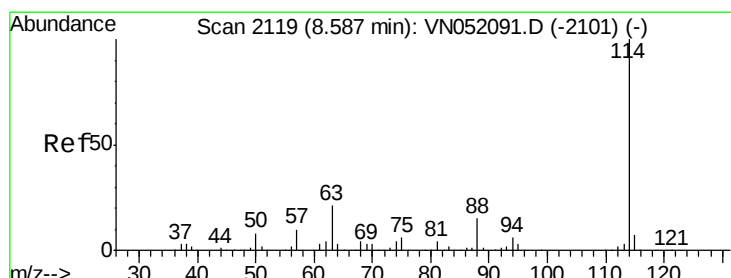
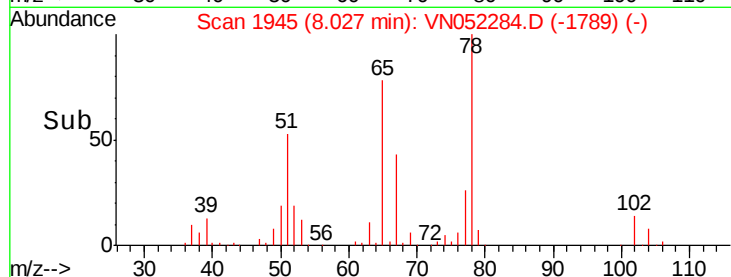
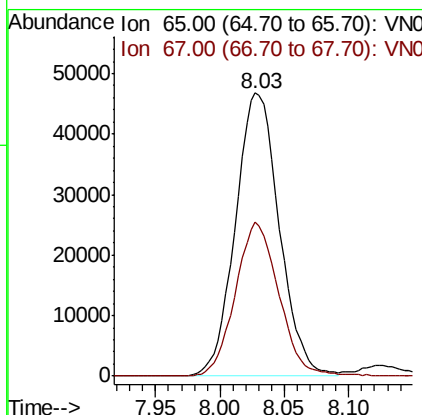
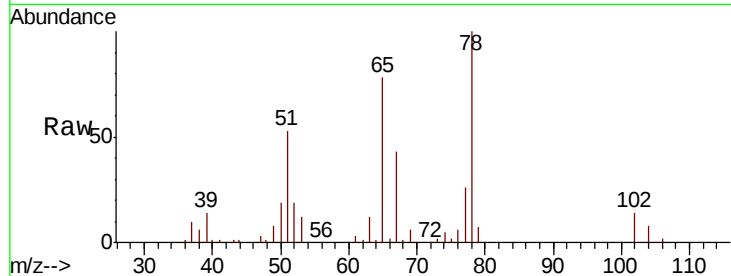
#27
 1,2-Dichloroethane-d4
 Concen: 21.387 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion: 65 Resp: 110784
 Ion Ratio Lower Upper
 65 100
 67 53.6 42.6 64.0

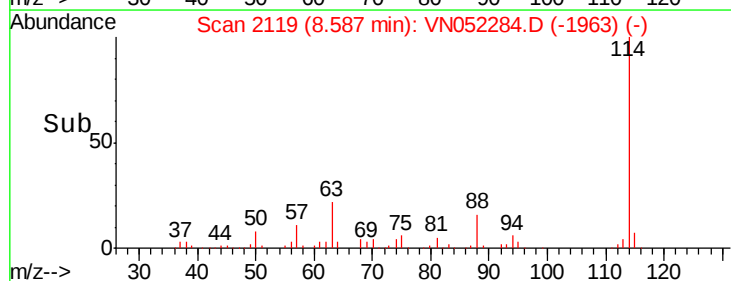
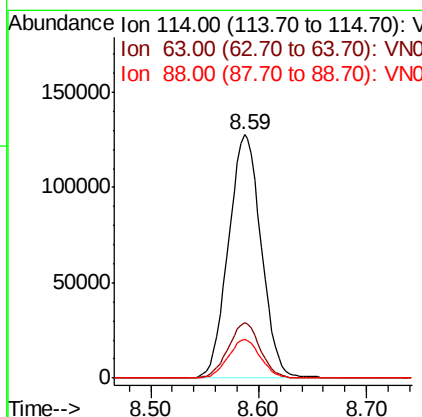
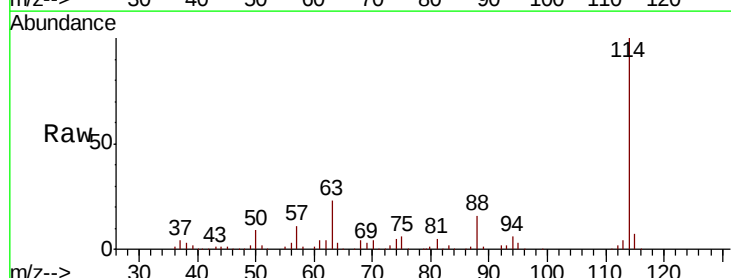
Manual Integrations
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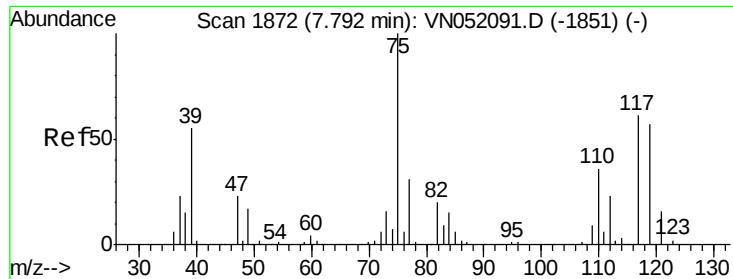
MMDadoda
 11/14/2018 11:10:18 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion: 114 Resp: 270976
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.5 26.3
 88 15.7 12.6 18.8





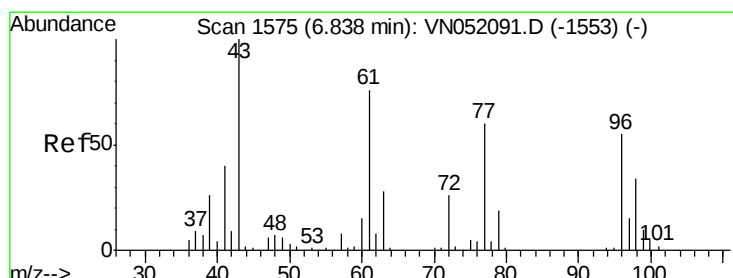
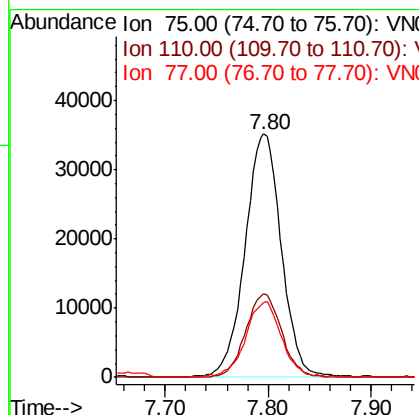
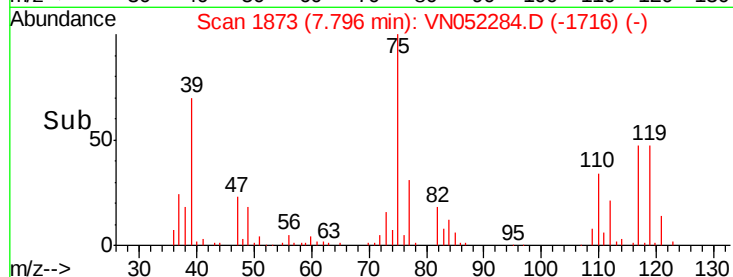
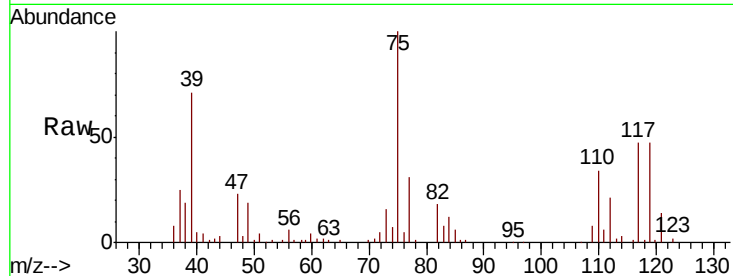
#29
 1,1-Dichloropropene
 Concen: 19.960 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	67.6
77	29.3	0.0	60.2

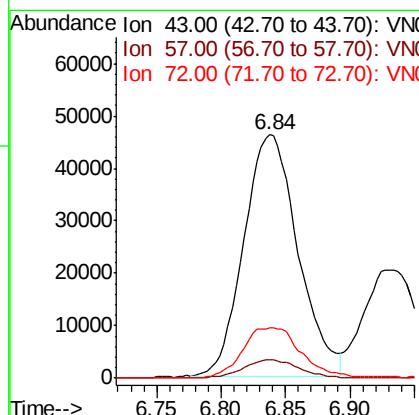
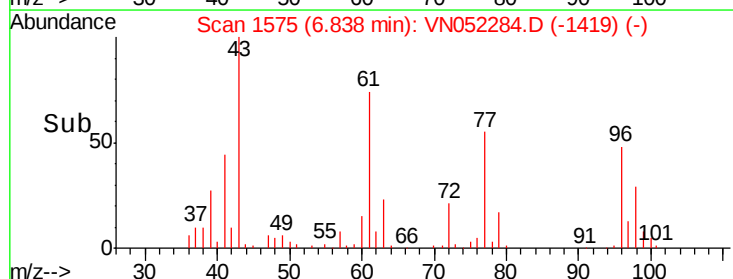
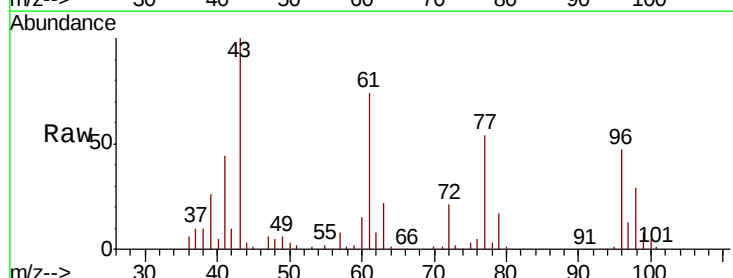
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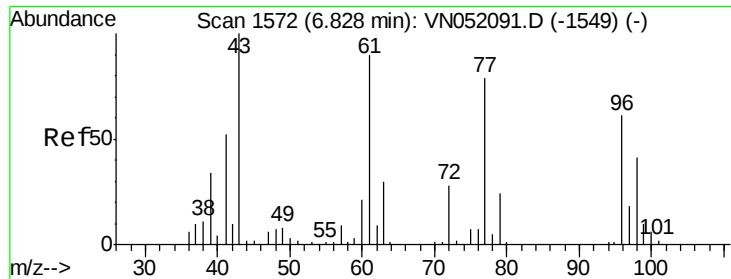
MMDadoda
 11/14/2018 11:10:18 AM



#30
 2-Butanone
 Concen: 117.507 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	0.0	9.2	13.8#





#31

2,2-Dichloropropane

Concen: 19.747 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 77 Resp: 87513

Ion Ratio Lower Upper

77 100

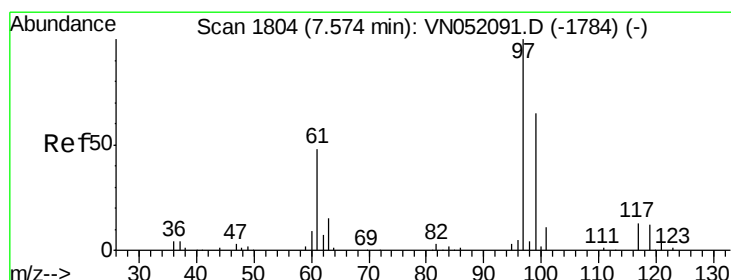
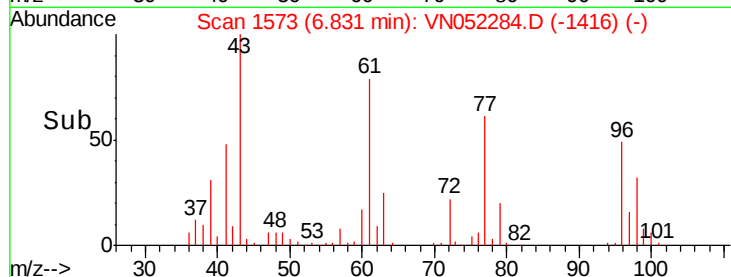
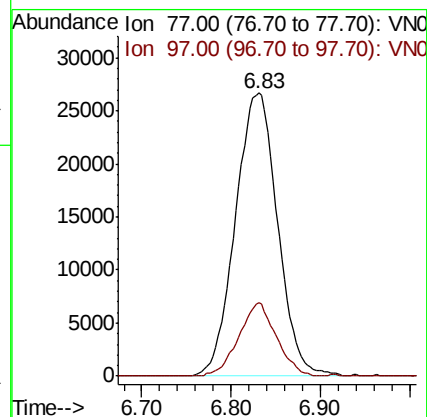
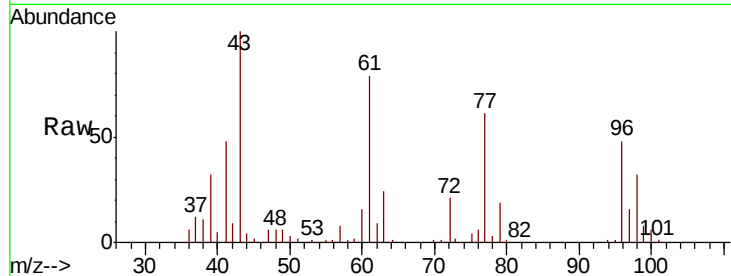
97 23.0 18.2 27.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.203 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

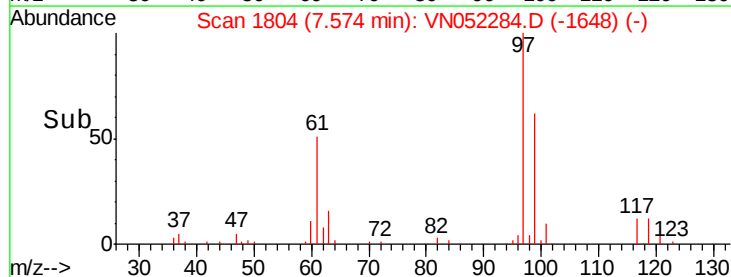
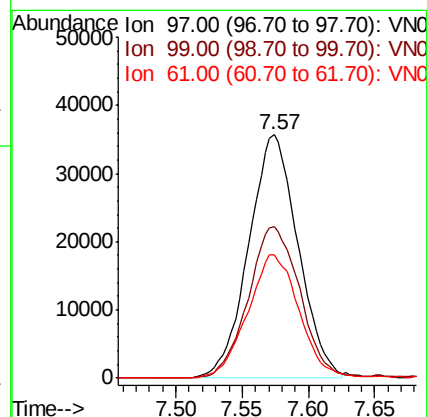
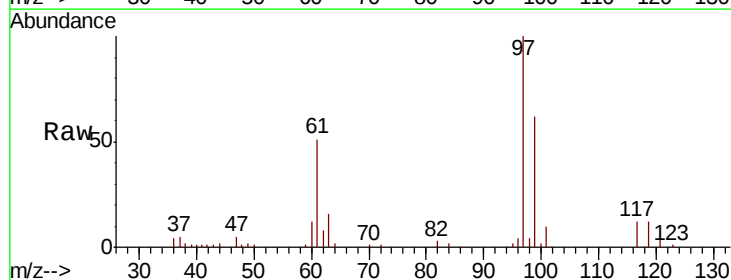
Tgt Ion: 97 Resp: 92435

Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 52.8 38.7 58.1





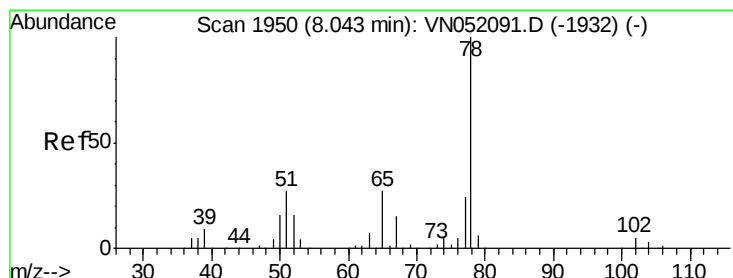
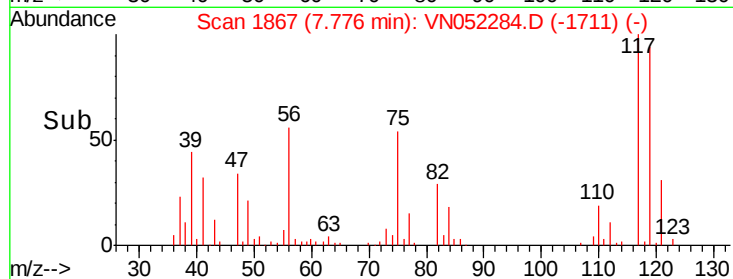
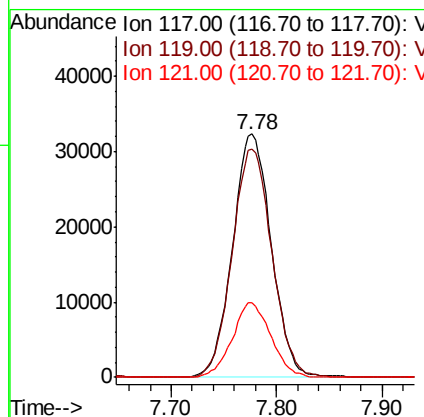
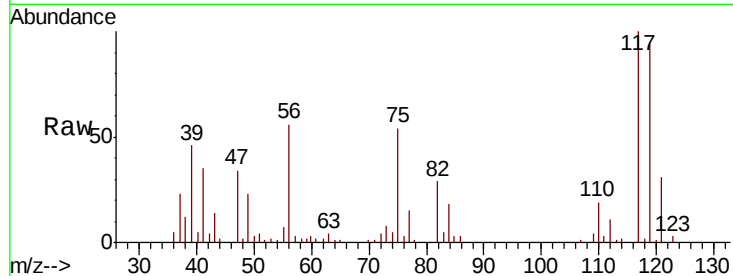
#33
Carbon Tetrachloride
Concen: 19.235 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.7	112.1
121	30.6	23.4	35.0

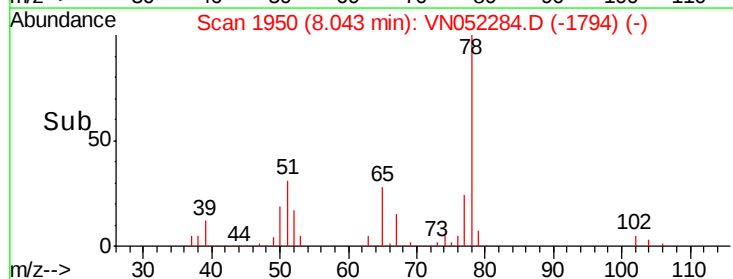
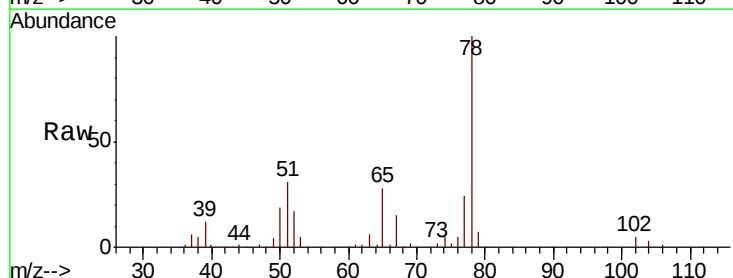
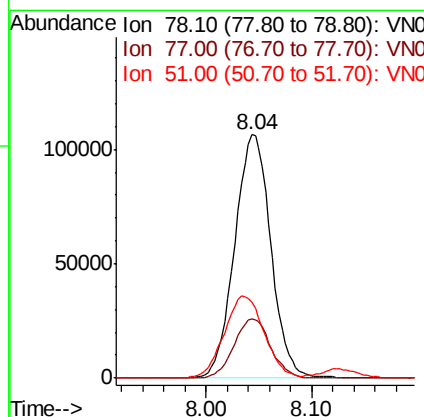
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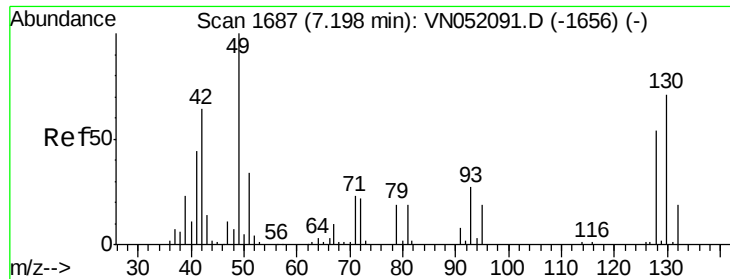
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#34
Benzene
Concen: 20.149 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7
51	30.8	21.2	31.8





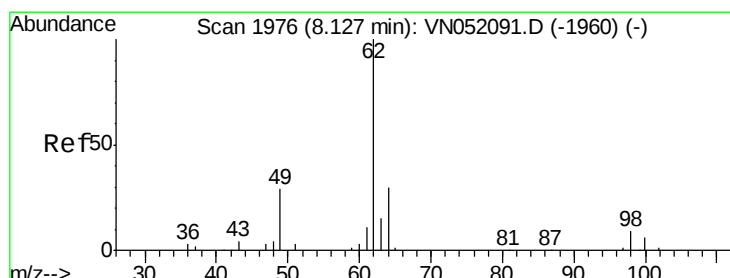
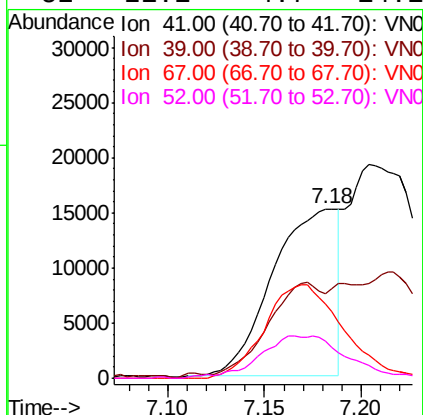
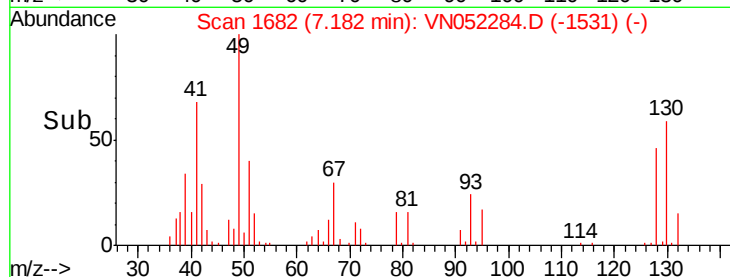
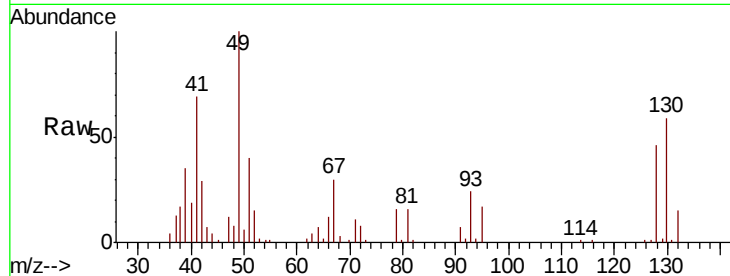
#35
Methacrylonitrile
Concen: 22.585 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.02 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.8	26.1	78.3
67	44.4	11.0	33.0
52	21.1	4.7	14.1

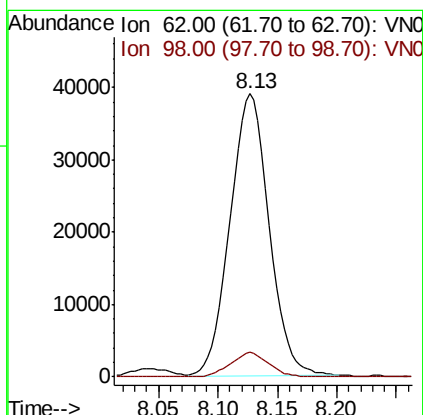
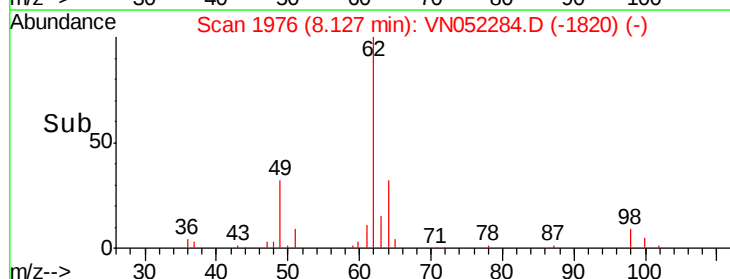
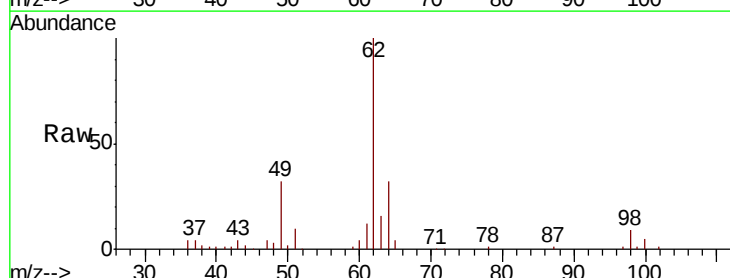
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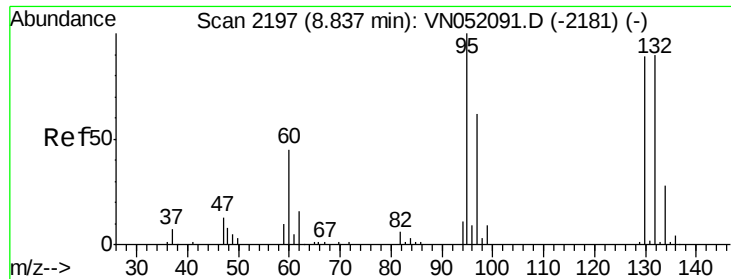
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#36
1,2-Dichloroethane
Concen: 21.058 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.7	10.1





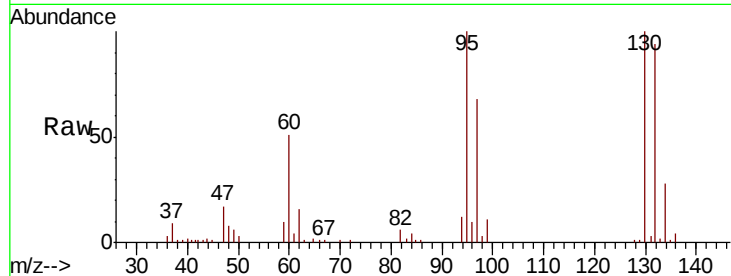
#37
 Trichloroethene
 Concen: 20.086 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

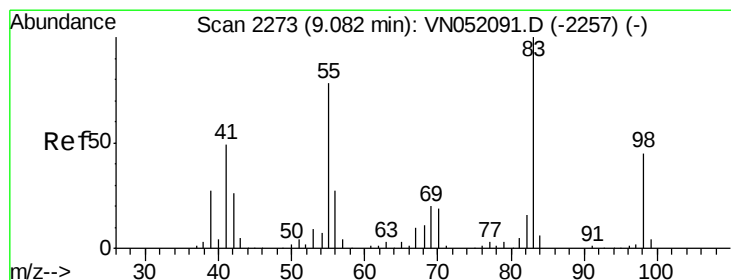
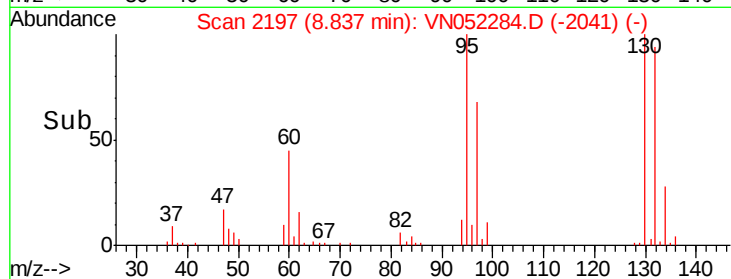
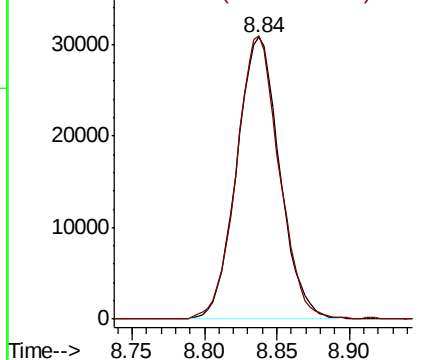
Tot Ion:130 Resp: 63327
 Ion Ratio Lower Upper
 130 100
 95 100.4 89.9 134.9

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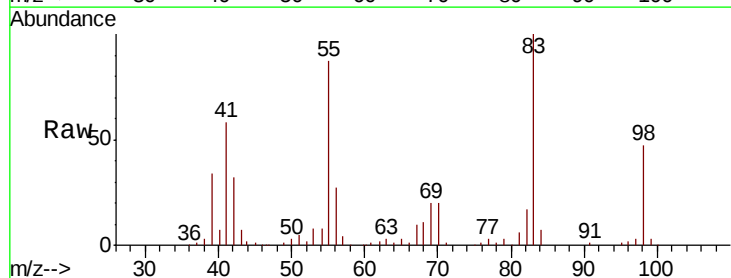


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

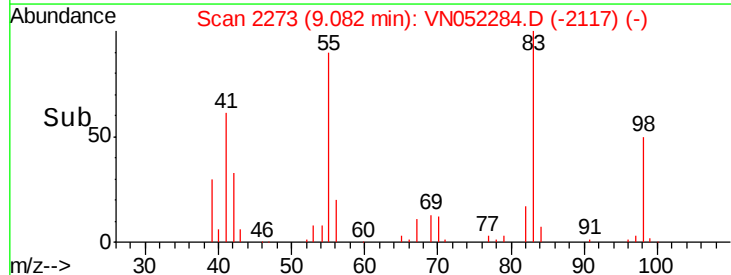
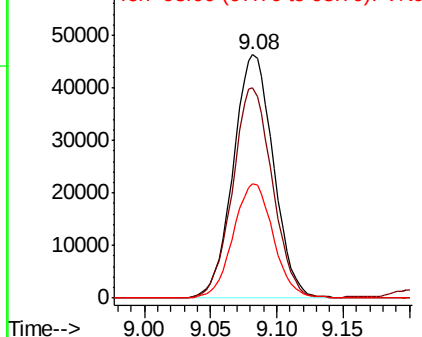


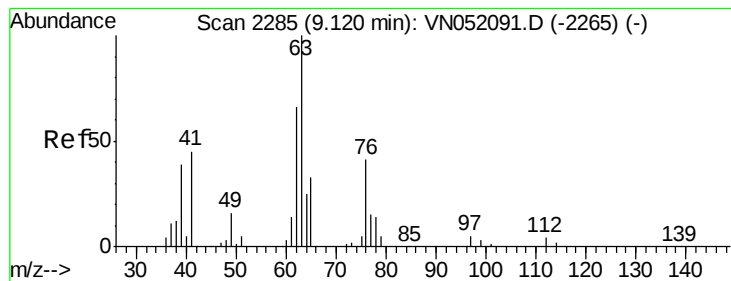
#38
 Methylcyclohexane
 Concen: 18.550 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion: 83 Resp: 97353
 Ion Ratio Lower Upper
 83 100
 55 85.8 38.5 115.3
 98 46.8 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 21.732 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 63 Resp: 72872

Ion Ratio Lower Upper

63 100

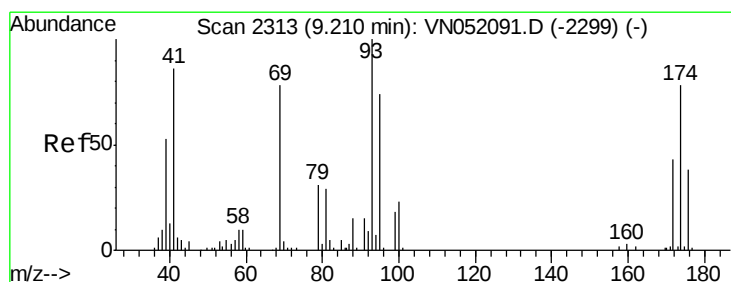
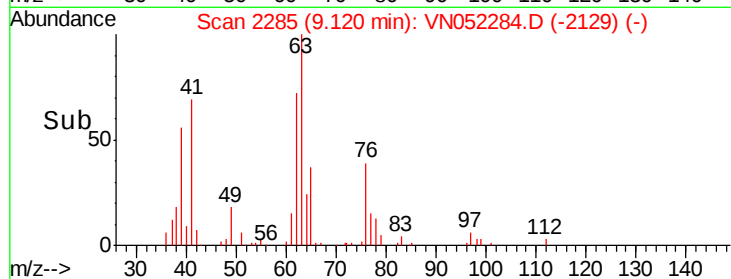
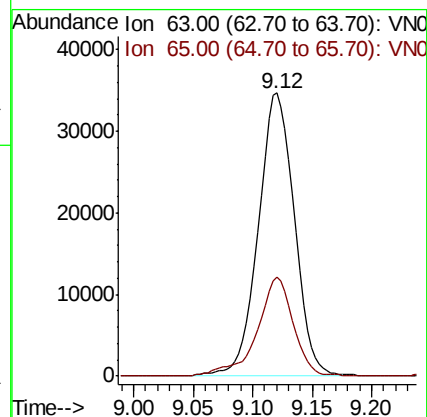
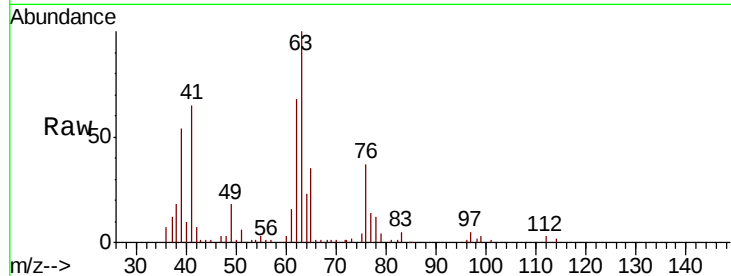
65 35.2 27.3 40.9

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#40

Dibromomethane

Concen: 19.899 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

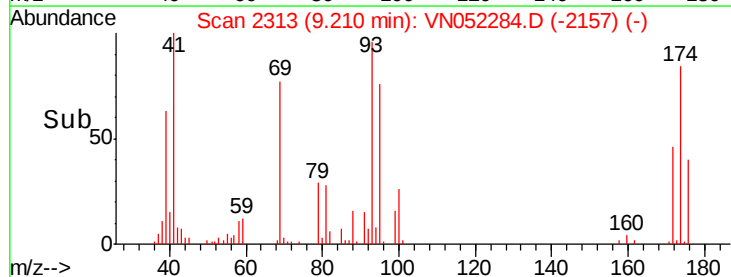
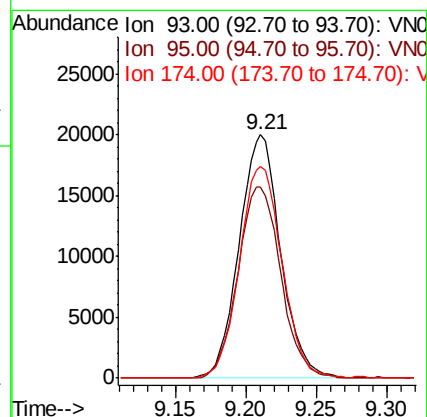
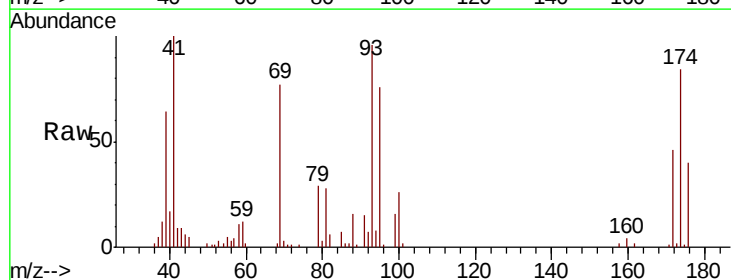
Tgt Ion: 93 Resp: 41129

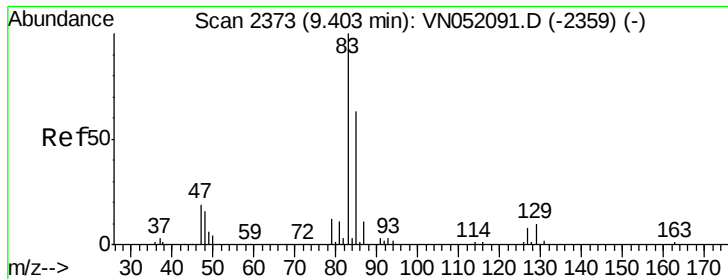
Ion Ratio Lower Upper

93 100

95 81.3 0.0 161.2

174 89.2 0.0 165.0





#41

Bromodichloromethane

Concen: 19.556 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

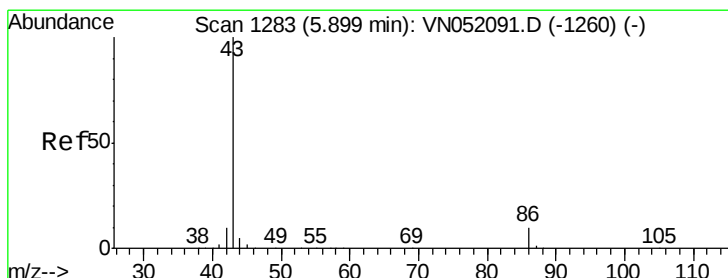
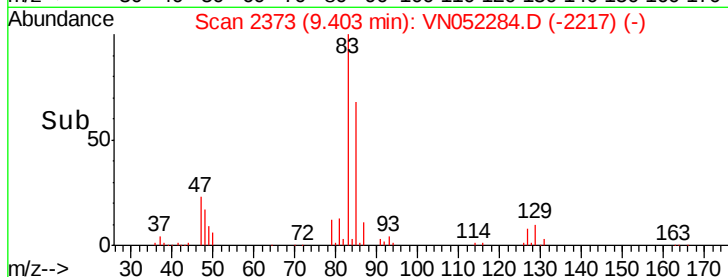
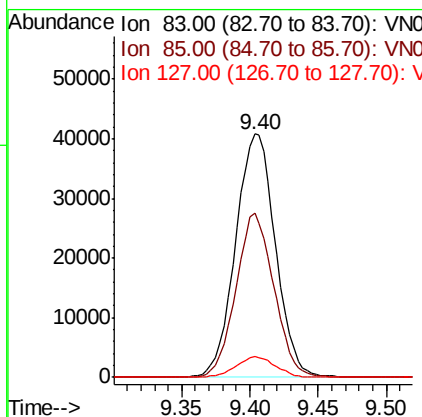
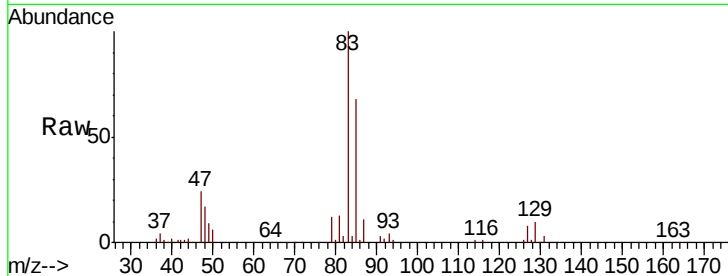
ClientSampleId :

VN1113WBSD01

Tot Ion:	83	Resp:	82700
Ion Ratio	Lower	Upper	
83	100		
85	67.6	50.2	75.2
127	9.5	6.6	10.0

Manual Integrations
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11/14/2018 11:10:18 AM



#42

Vinyl Acetate

Concen: 114.795 ug/l

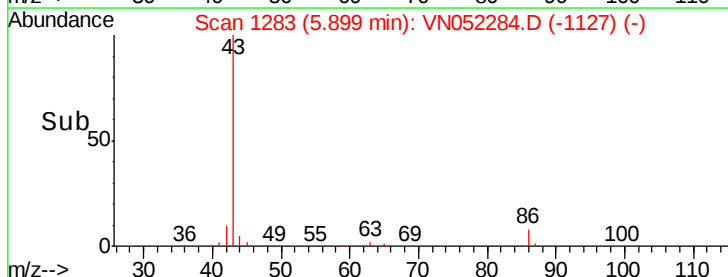
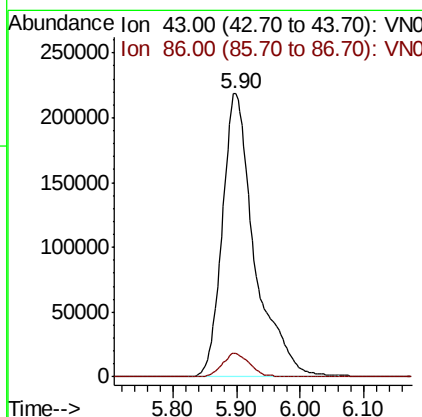
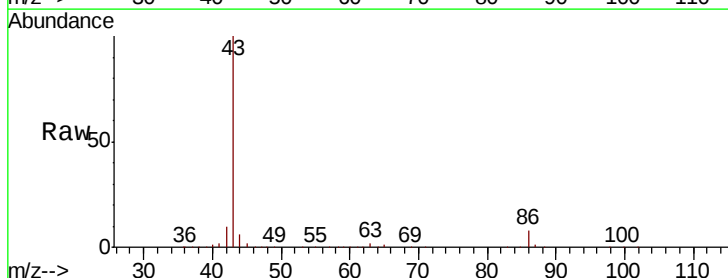
RT: 5.90 min Scan# 1283

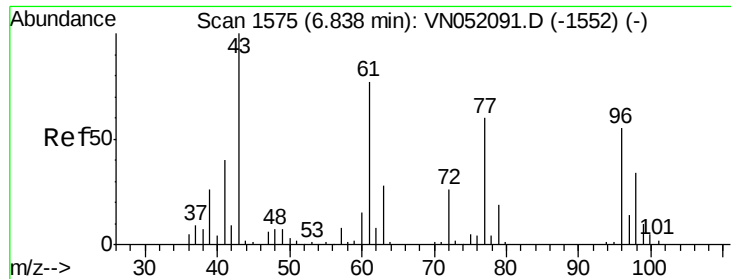
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	43	Resp:	769947
Ion Ratio	Lower	Upper	
43	100		
86	7.1	6.6	10.0





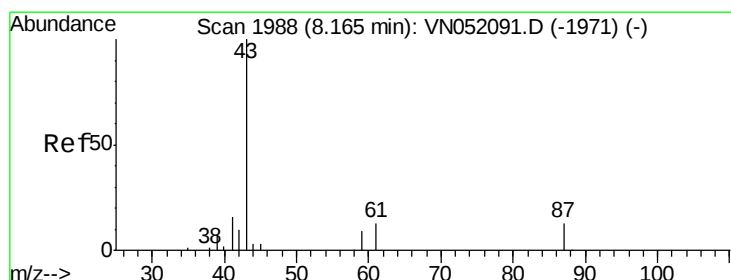
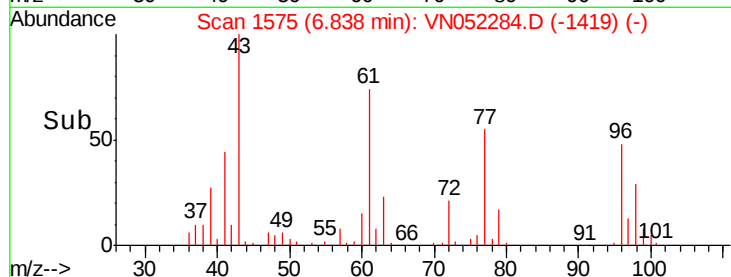
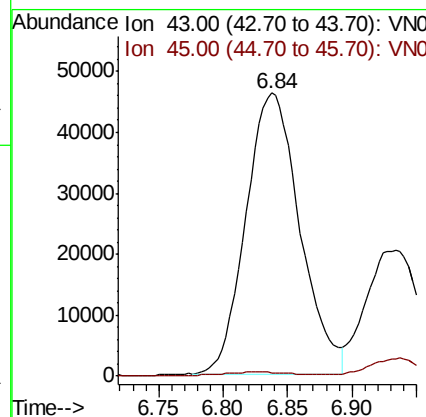
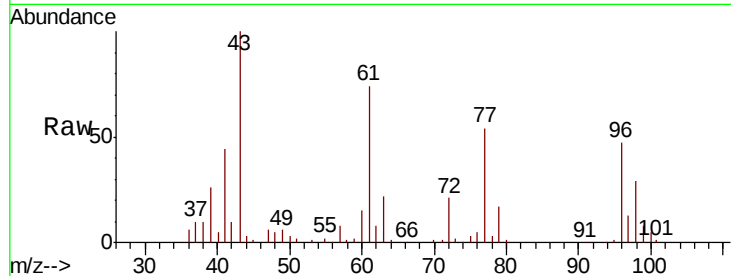
#43
Ethyl Acetate
Concen: 23.382 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 43 Resp: 134627
Ion Ratio Lower Upper
43 100
45 0.5 3.8 5.8#

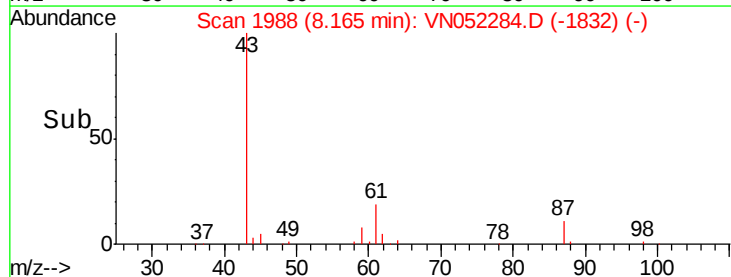
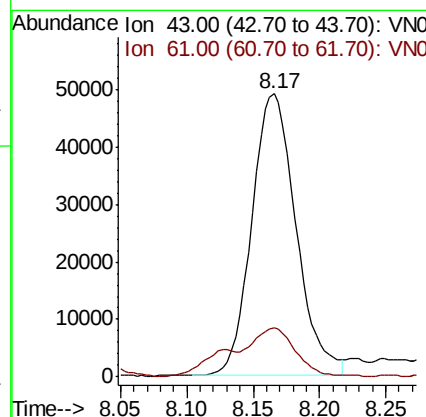
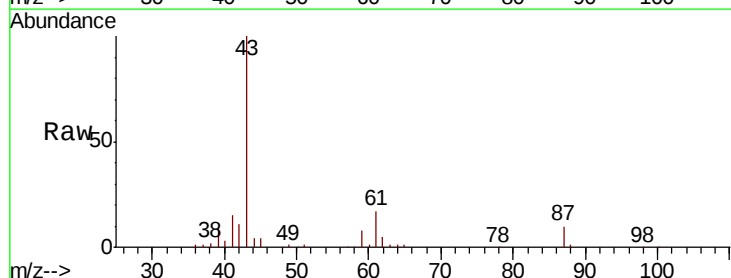
Manual Integrations
APPROVED

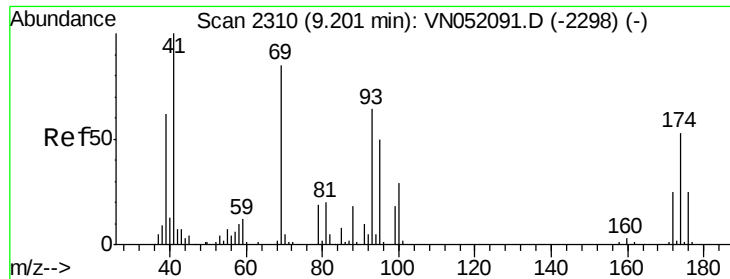
MMDadoda
11/14/2018 11:10:18 AM



#44
Isopropyl Acetate
Concen: 23.920 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion: 43 Resp: 114029
Ion Ratio Lower Upper
43 100
61 16.5 16.2 24.2





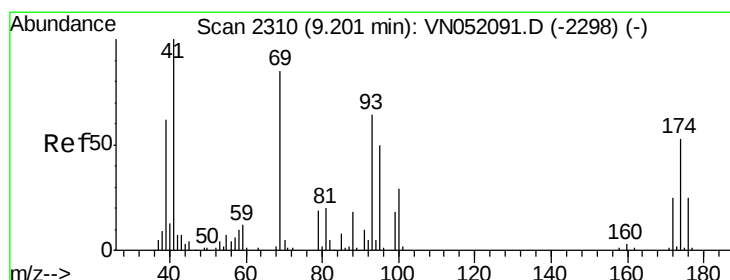
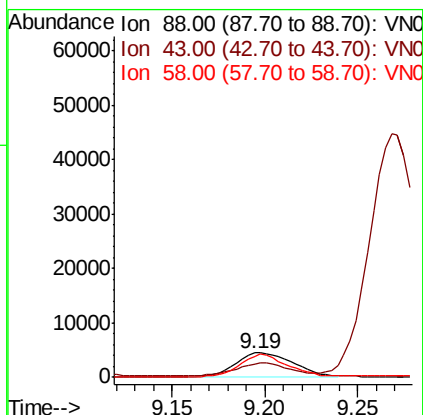
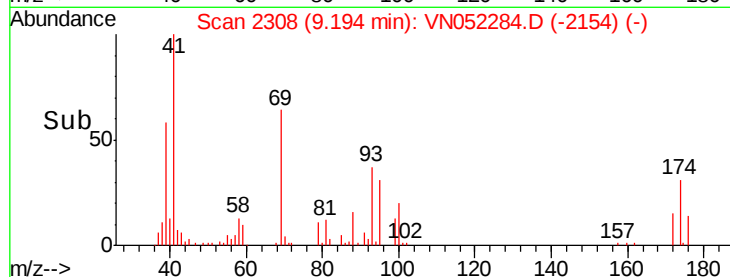
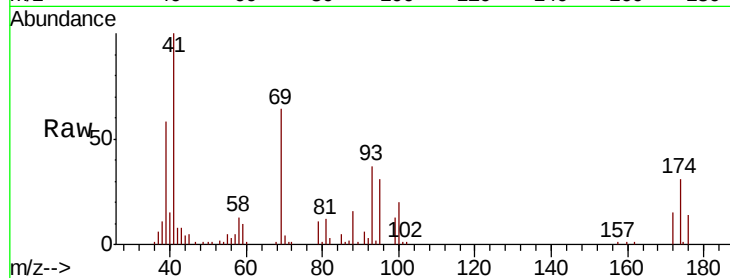
#45
 1,4-Dioxane
 Concen: 458.317 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.1	28.6	43.0
58	78.1	37.8	56.8#

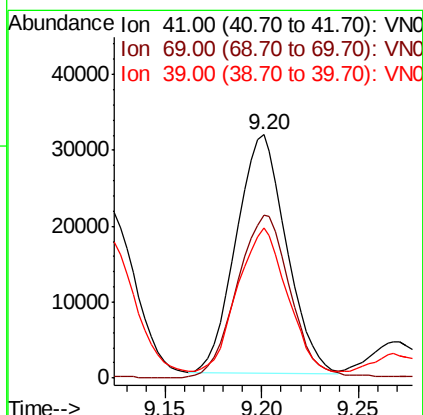
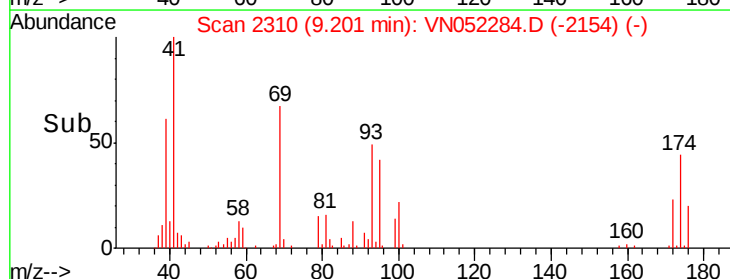
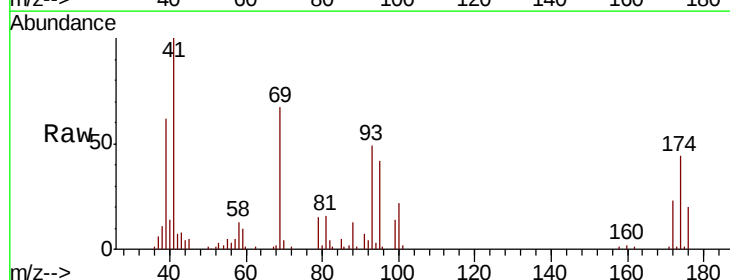
Manual Integrations
 APPROVED

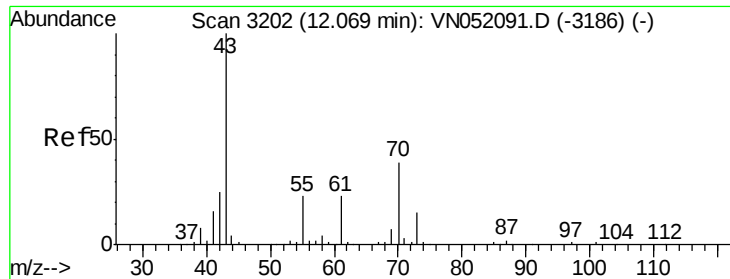
MMDadoda
 11/14/2018 11:10:18 AM



#46
 Methyl methacrylate
 Concen: 23.931 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	67.7	42.5	127.6
39	60.5	31.1	93.3





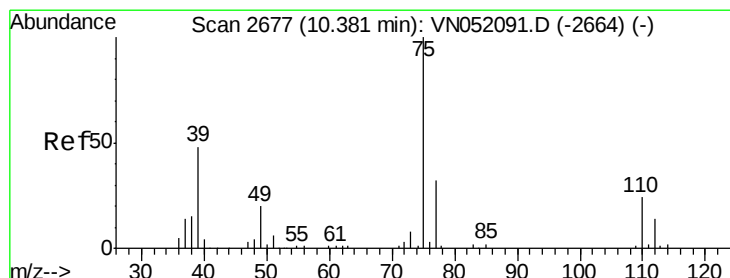
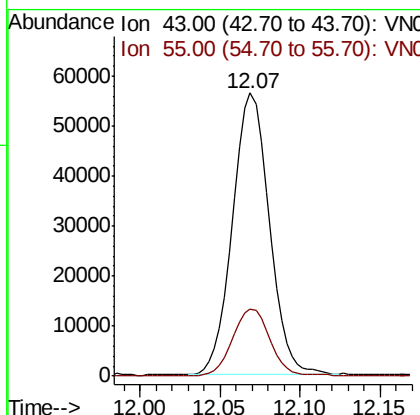
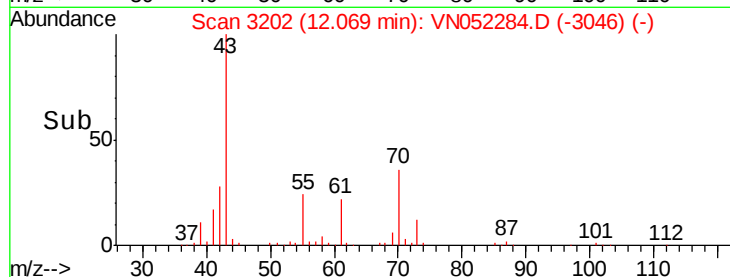
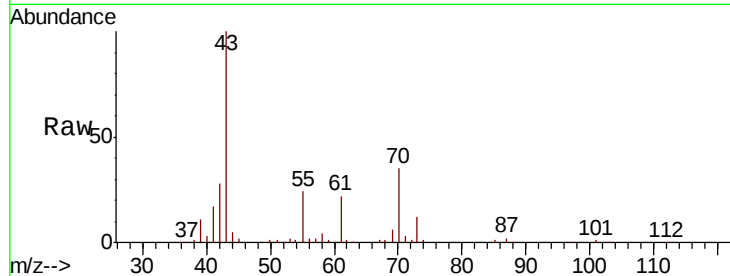
#47
n-amvl Acetate
Concen: 20.381 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion: 43 Resp: 88067
Ion Ratio Lower Upper
43 100
55 24.3 0.0 0.0#

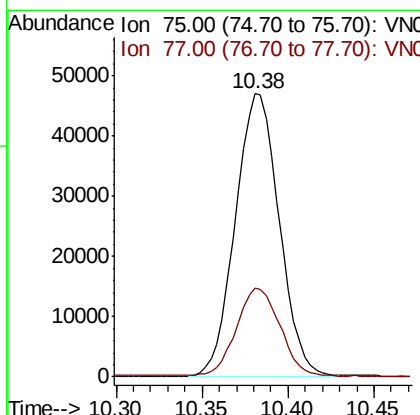
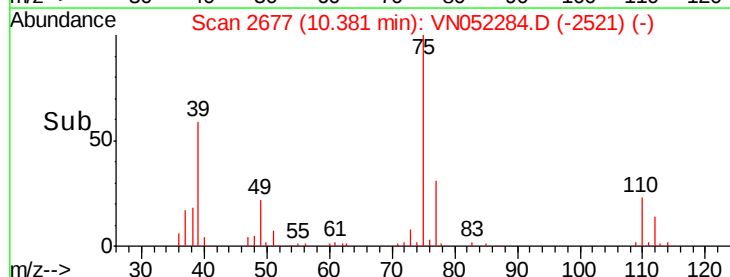
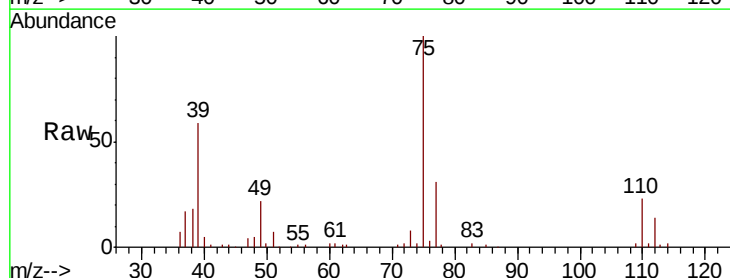
Manual Integrations
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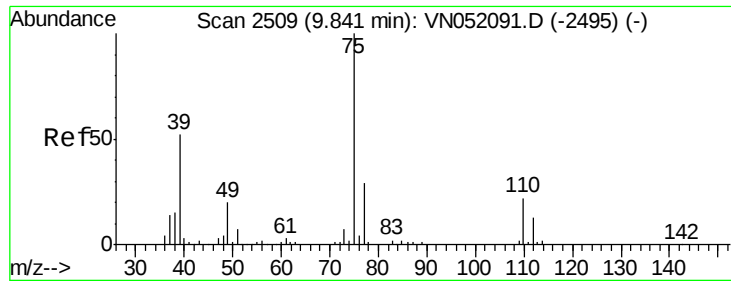
MMDadoda
11/14/2018 11:10:18 AM



#48
t-1,3-Dichloropropene
Concen: 19.859 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion: 75 Resp: 83394
Ion Ratio Lower Upper
75 100
77 31.0 26.3 39.5





#49

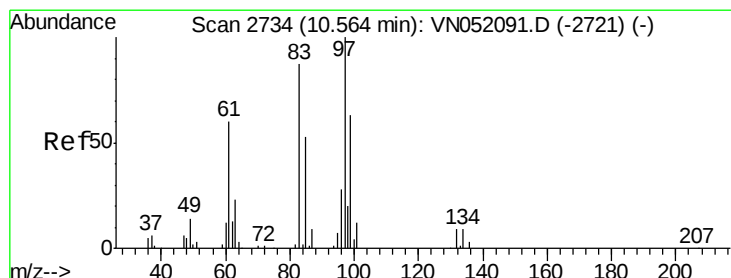
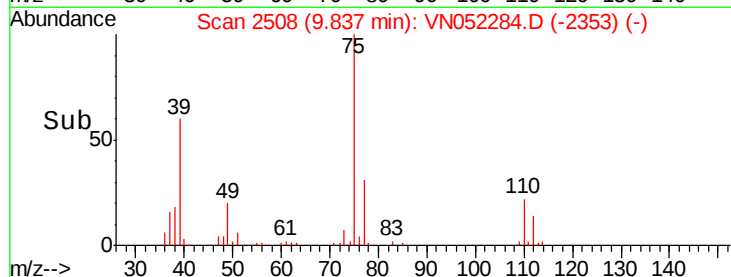
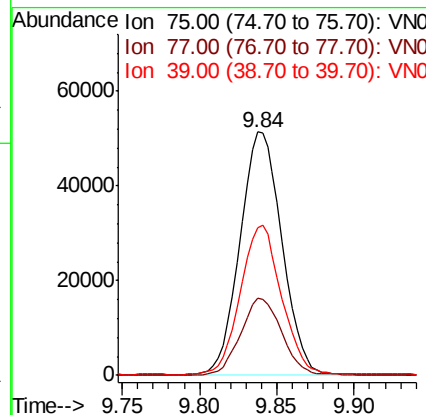
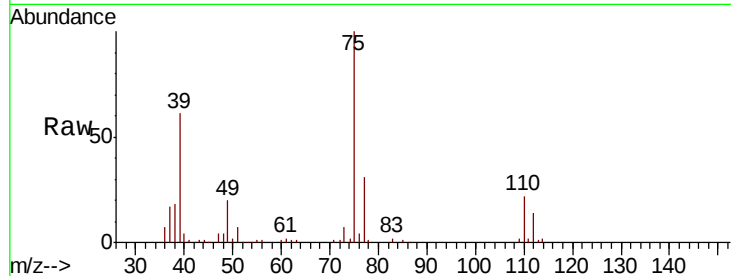
cis-1,3-Dichloropropene
Concen: 20.003 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	23.3	34.9
39	59.9	41.6	62.4

Manual Integrations
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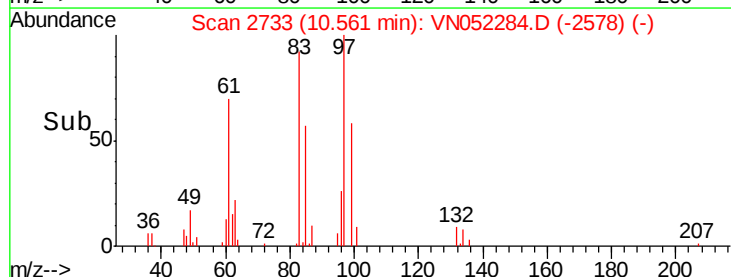
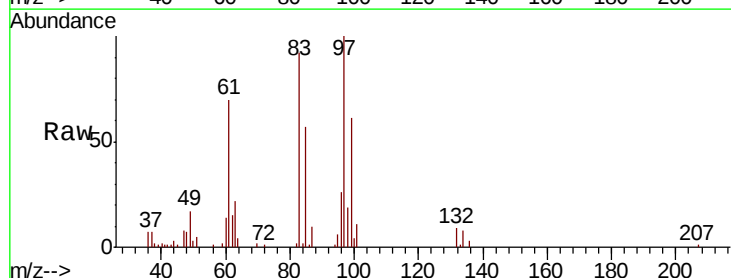
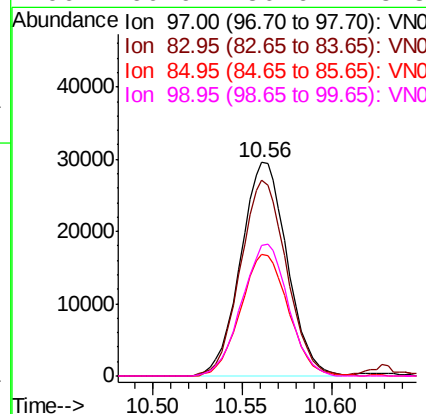
MMDadoda
11/14/2018 11:10:18 AM

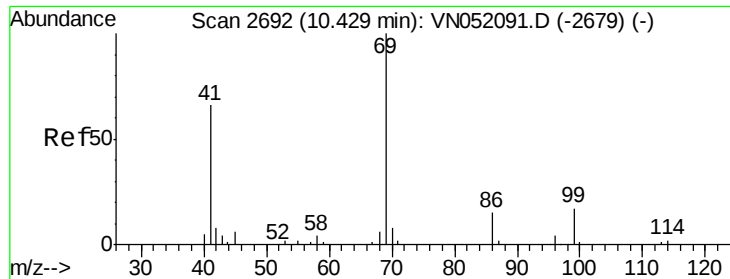


#50

1,1,2-Trichloroethane
Concen: 19.707 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	69.4	104.0
85	56.9	42.7	64.1
99	60.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.520 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

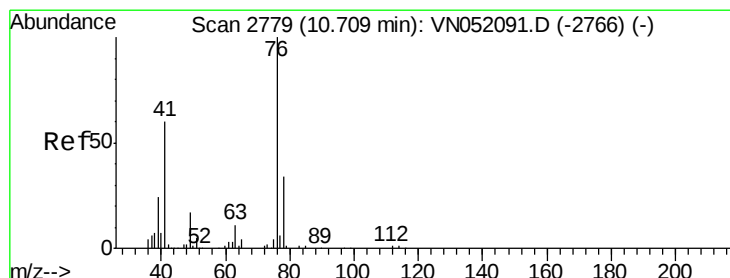
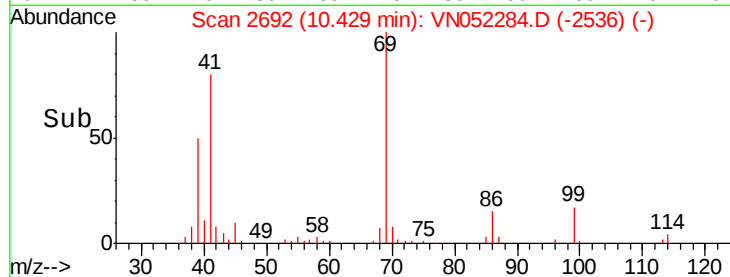
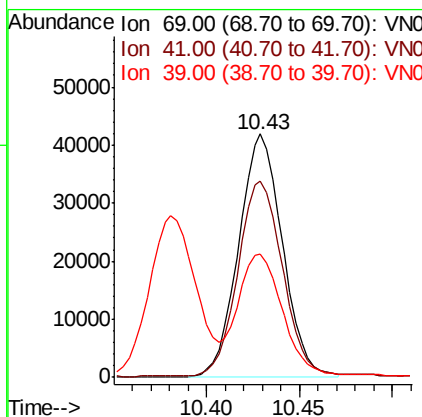
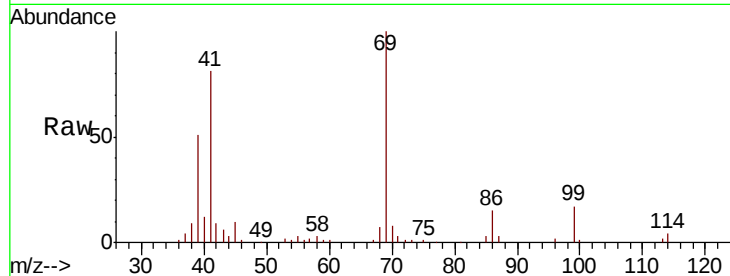
ClientSampleId :

VN1113WBSD01

Tot Ion:	69	Resp:	68951
Ion Ratio	Lower	Upper	
69	100		
41	80.1	33.0	99.0
39	49.1	20.7	62.1

Manual Integrations
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MMDadoda
11/14/2018 11:10:18 AM



#52

1,3-Dichloropropane

Concen: 20.542 ug/l

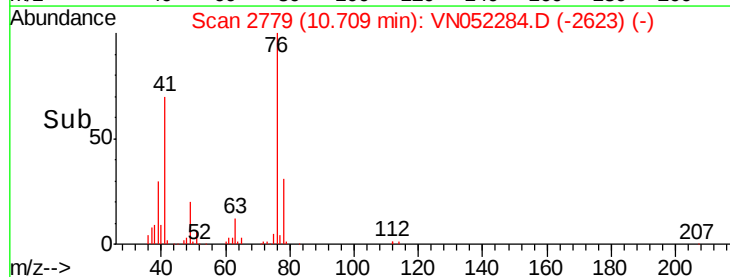
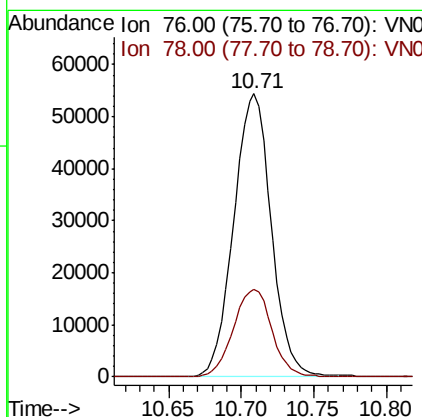
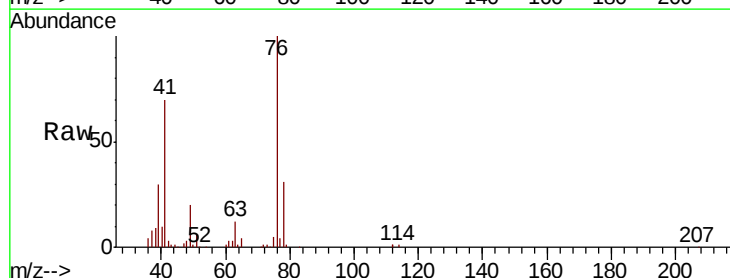
RT: 10.71 min Scan# 2779

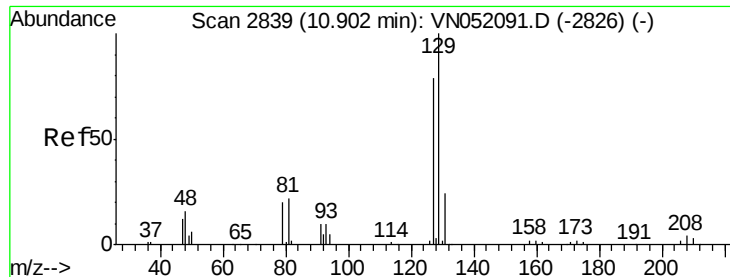
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	76	Resp:	97794
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	65.0





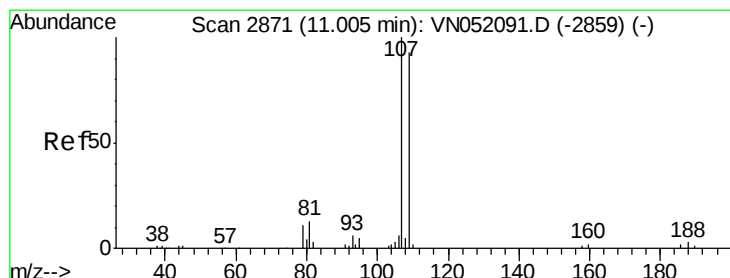
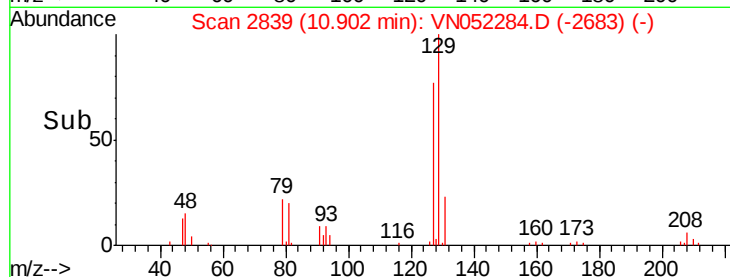
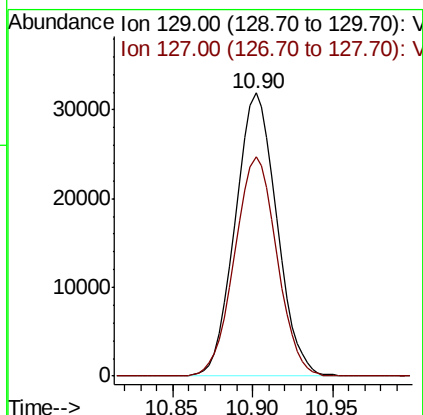
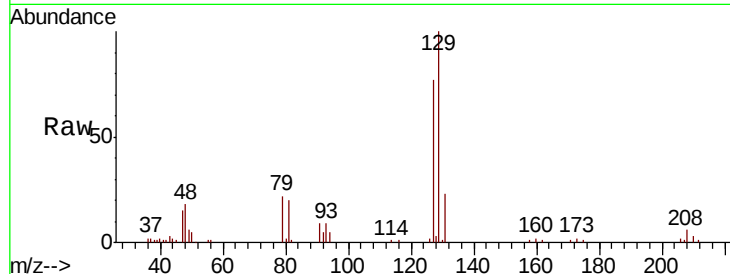
#53
Dibromochloromethane
Concen: 19.156 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.2	117.6

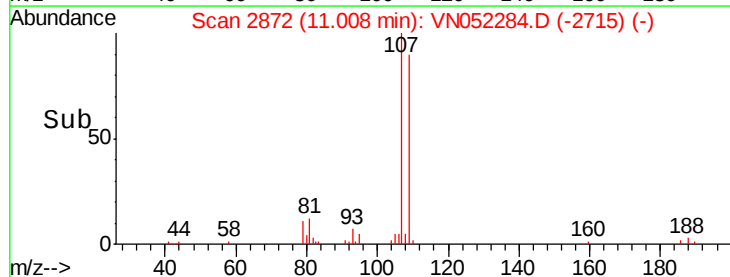
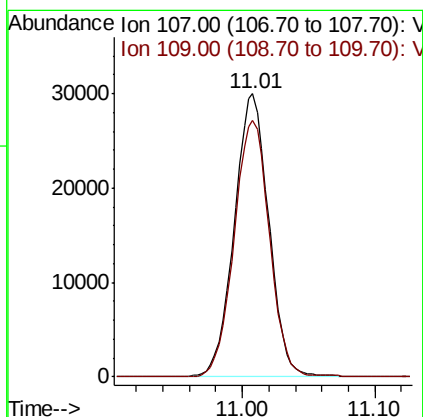
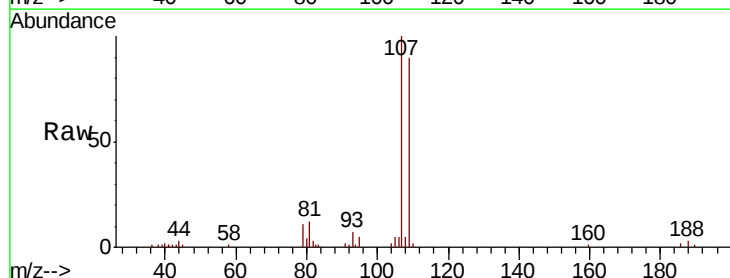
Manual Integrations
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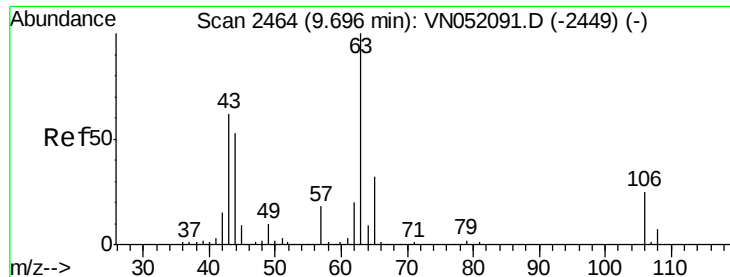
MMDadoda
11/14/2018 11:10:18 AM



#54
1,2-Dibromoethane
Concen: 19.551 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	77.0	115.6





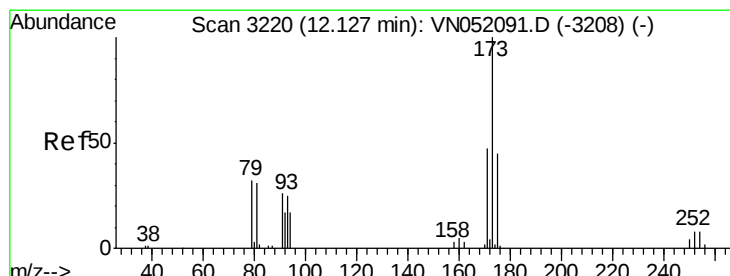
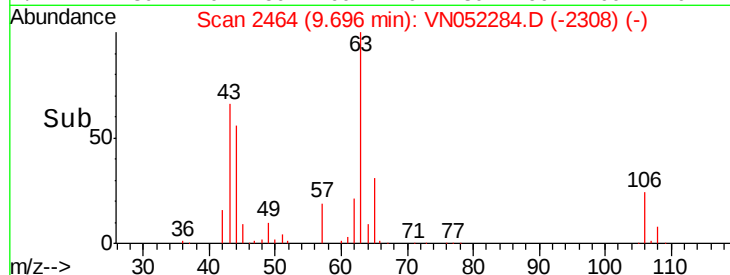
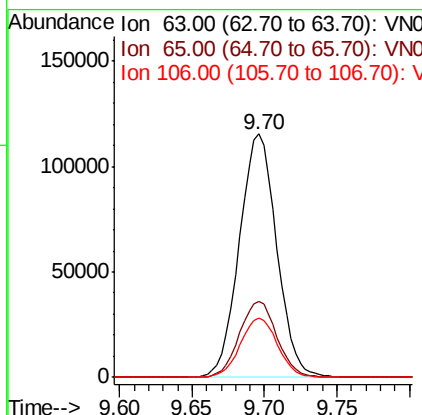
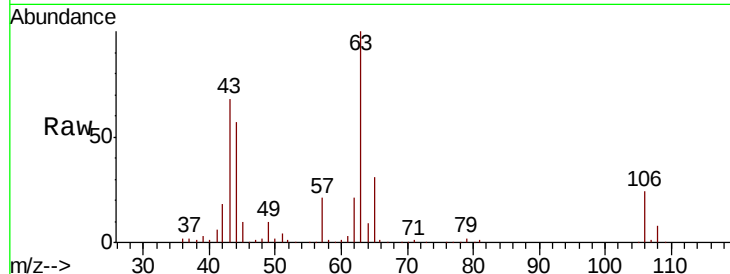
#55
2-Chloroethyl vinyl ether
Concen: 107.292 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3
106	24.2	20.4	30.6

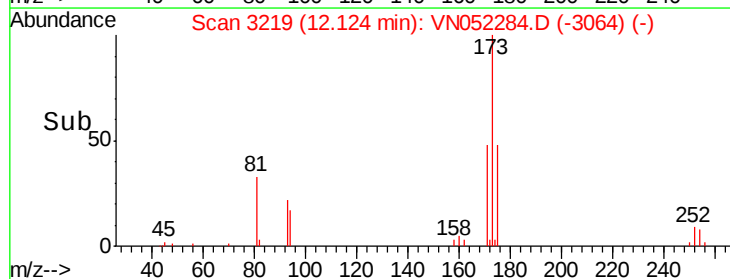
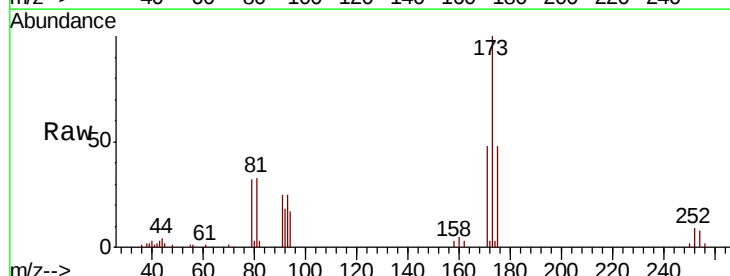
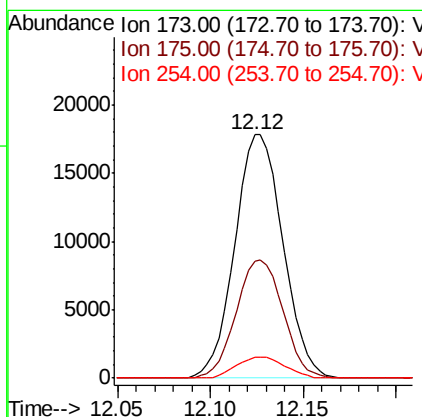
Manual Integrations
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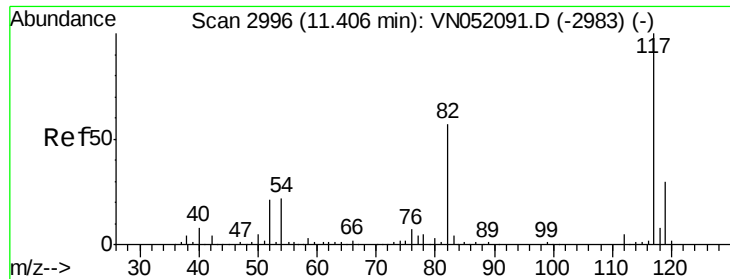
MMDadoda
11/14/2018 11:10:18 AM



#56
Bromoform
Concen: 18.875 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.3	37.3	55.9
254	8.7	7.0	10.6





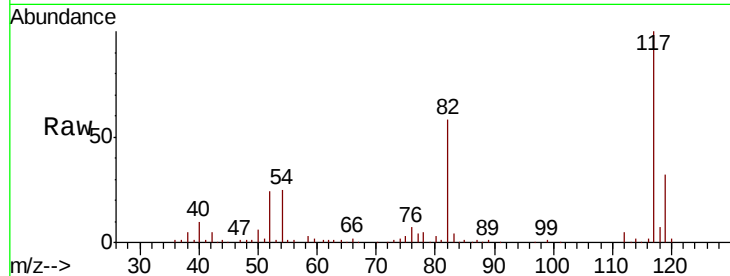
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

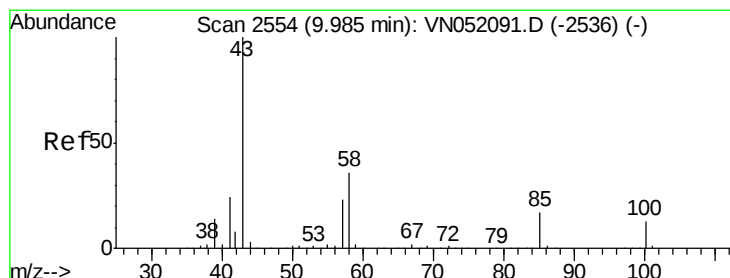
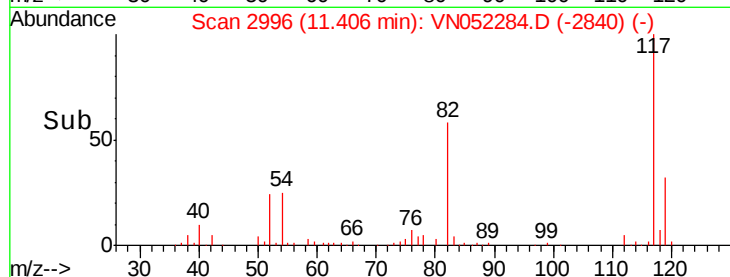
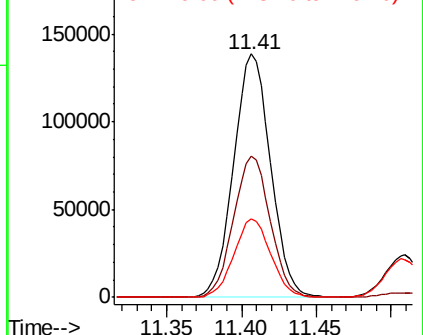
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.0	67.6
119	32.2	24.2	36.4

Manual Integrations
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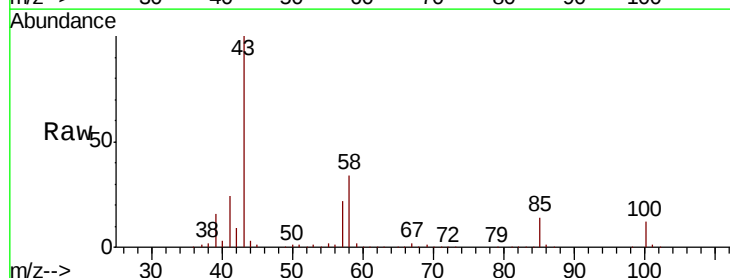


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

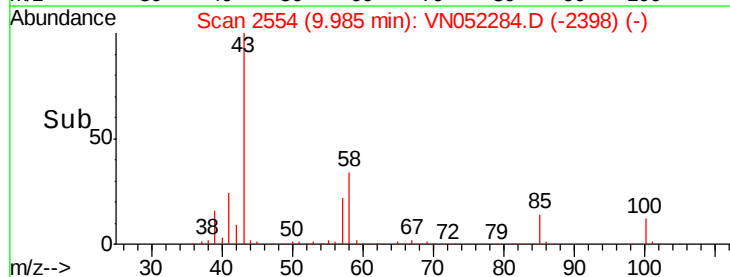
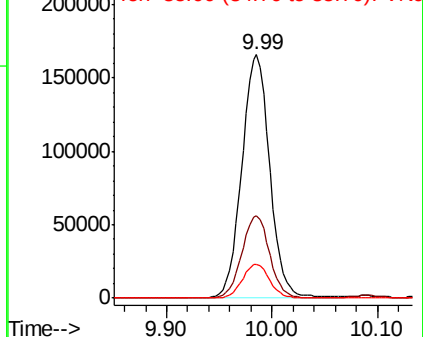


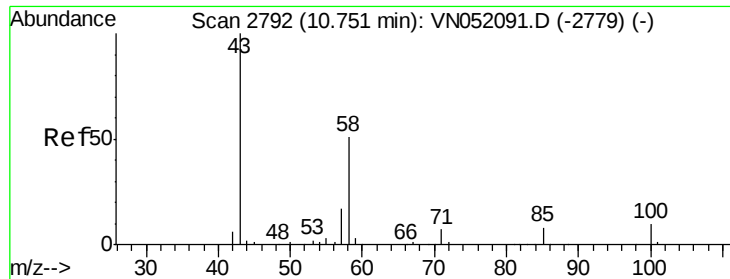
#58
4-Methyl-2-Pentanone
Concen: 118.703 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	29.0	43.6
85	13.7	13.4	20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





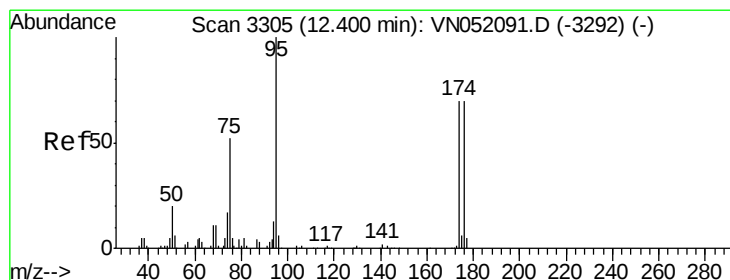
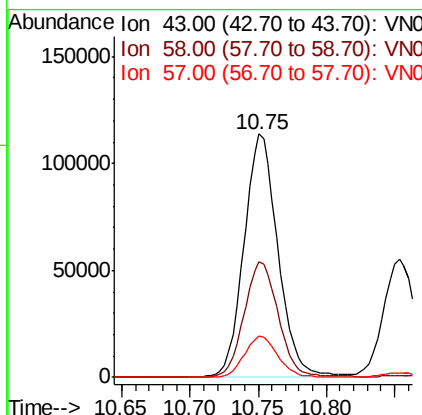
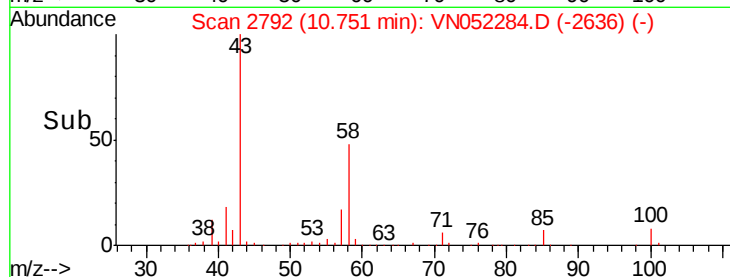
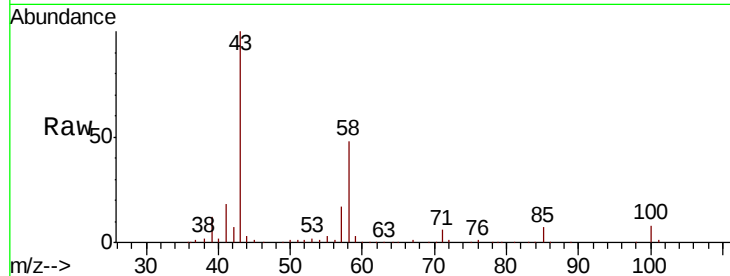
#59
2-Hexanone
Concen: 110.910 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	40.8	61.2
57	16.7	13.8	20.8

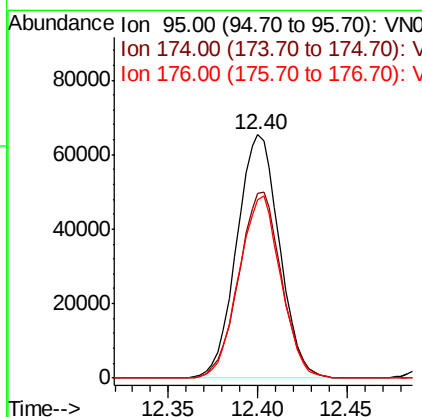
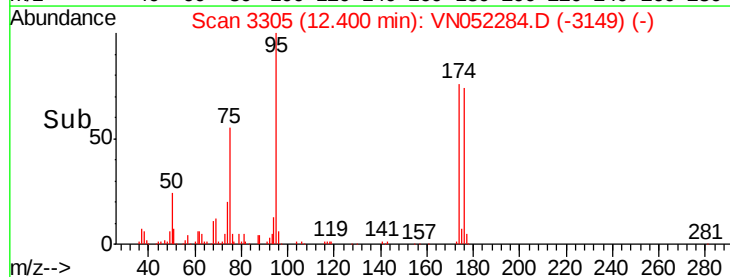
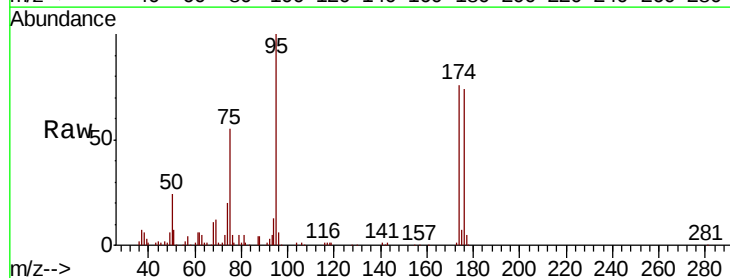
Manual Integrations
APPROVED

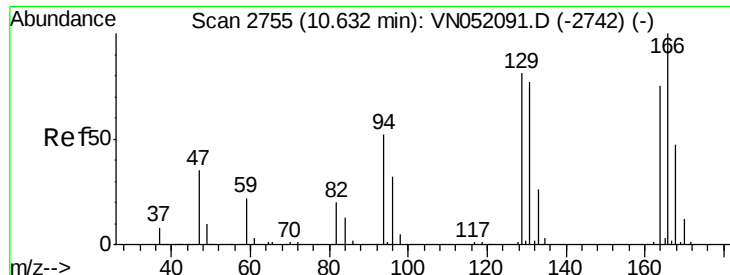
MMDadoda
11/14/2018 11:10:18 AM



#60
4-Bromofluorobenzene
Concen: 110.910 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	55.0	82.6
176	74.1	54.2	81.4





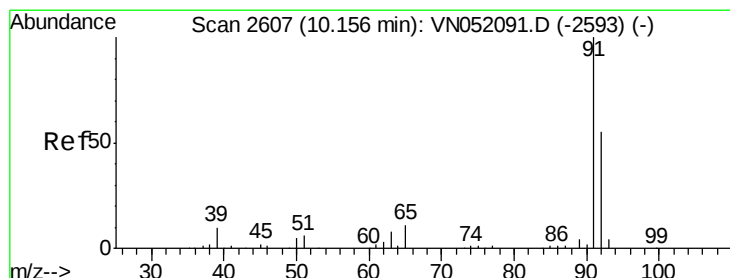
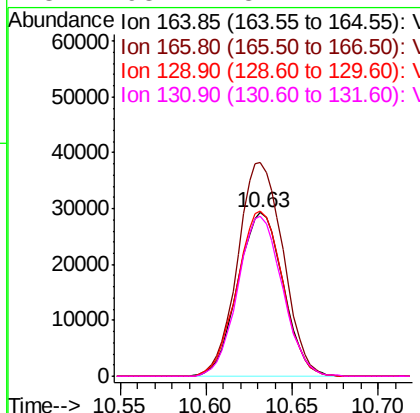
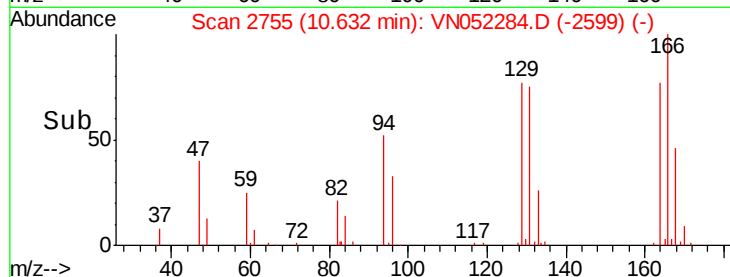
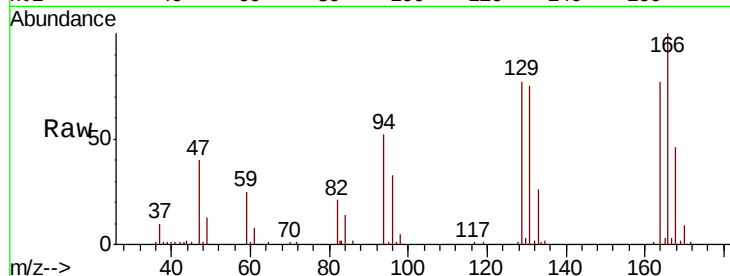
#61
Tetrachloroethene
Concen: 20.734 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.7	106.4	159.6
129	101.1	87.0	130.4
131	98.1	81.4	122.2

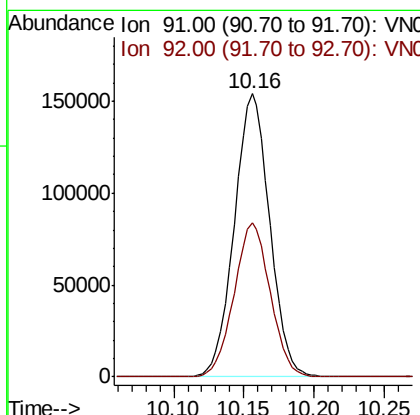
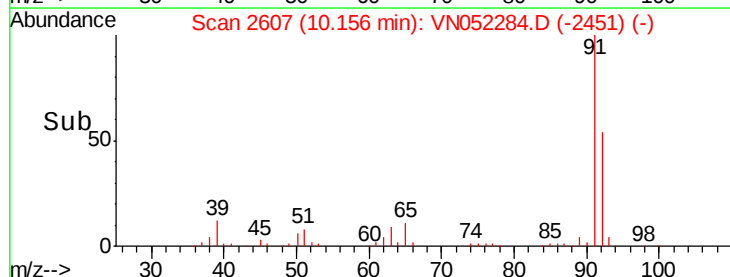
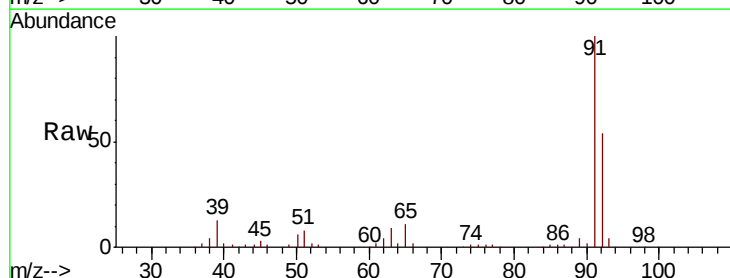
Manual Integrations
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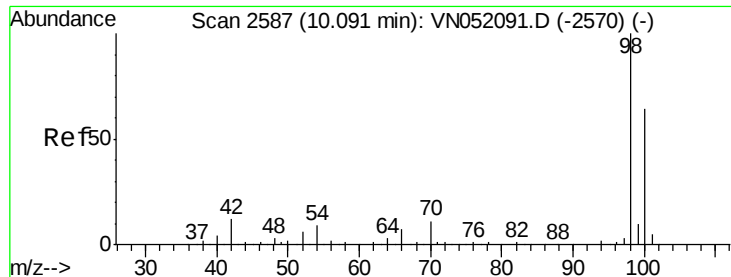
MMDadoda
11/14/2018 11:10:18 AM



#62
Toluene
Concen: 20.232 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.6	67.0





#63

Toluene-d8

Concen: 20.232 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 98 Resp: 341556

Ion Ratio Lower Upper

98 100

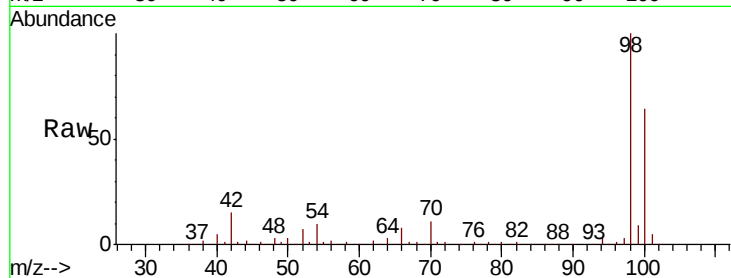
100 63.0 50.7 76.1

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

200000

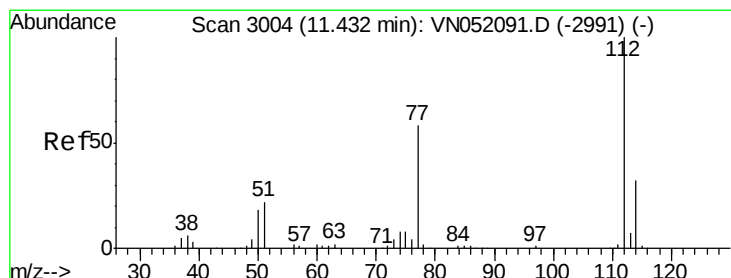
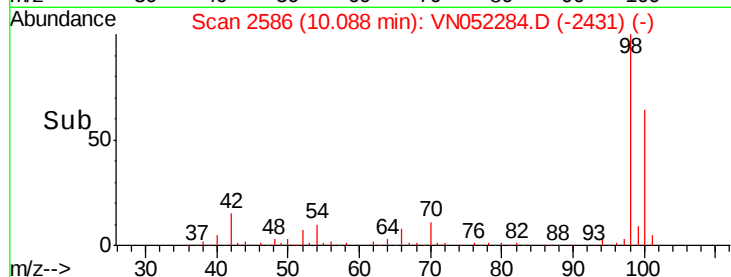
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 18.940 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052284.D

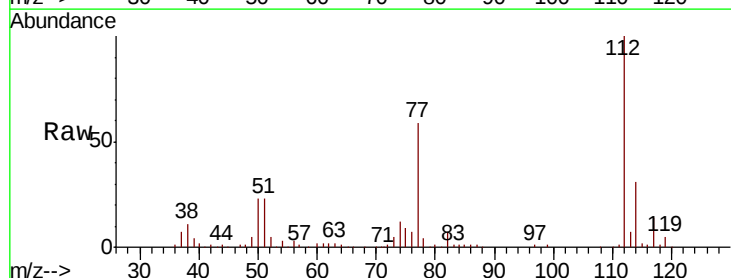
Acq: 13 Nov 2018 14:10

Tgt Ion: 112 Resp: 160714

Ion Ratio Lower Upper

112 100

114 31.3 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

11.43

100000

80000

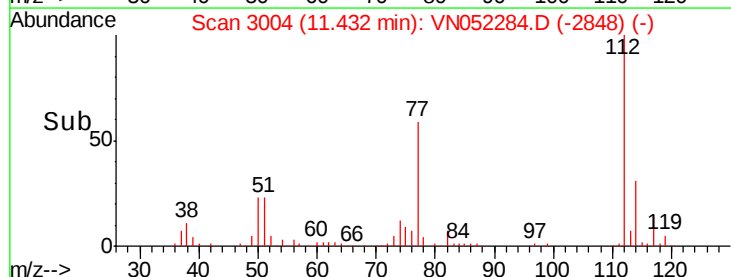
60000

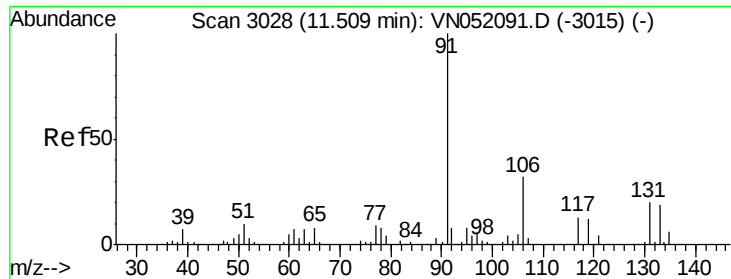
40000

20000

0

Time-->





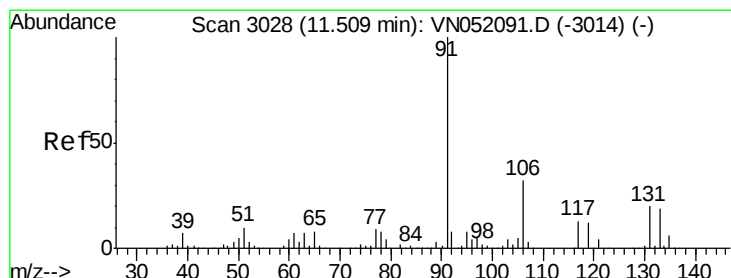
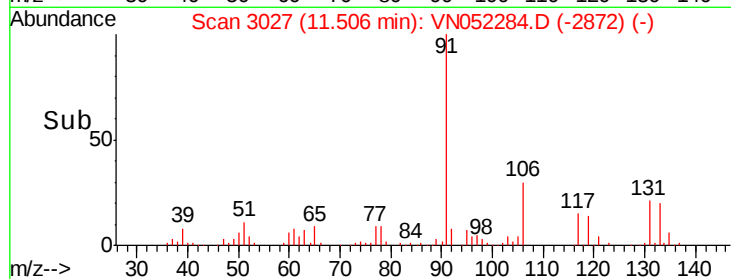
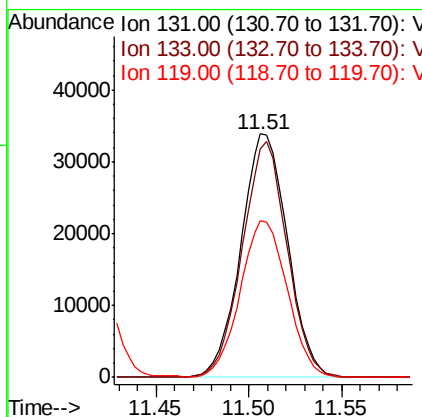
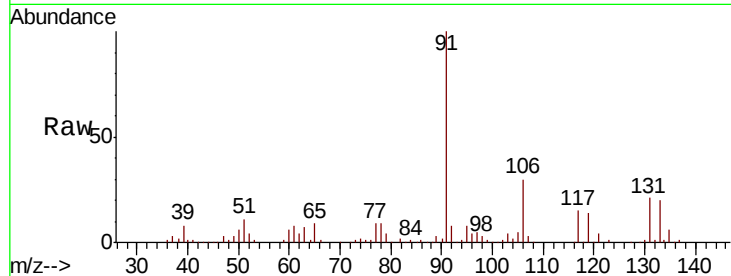
#65
1,1,1,2-Tetrachloroethane
Concen: 20.438 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion:131 Resp: 59028
Ion Ratio Lower Upper
131 100
133 93.5 0.0 188.8
119 64.9 0.0 131.4

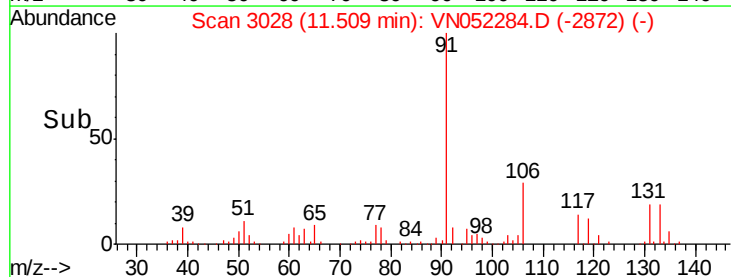
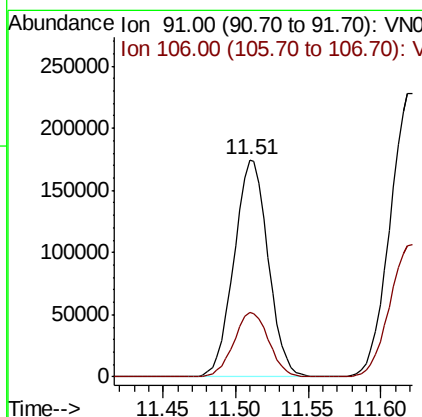
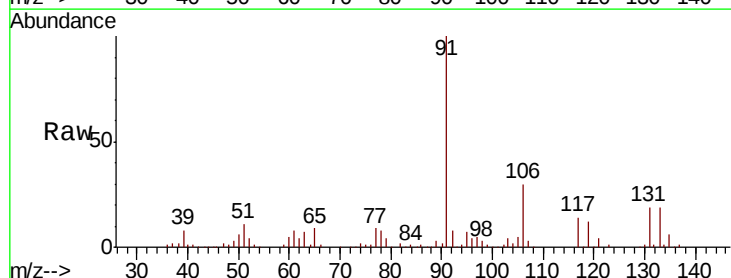
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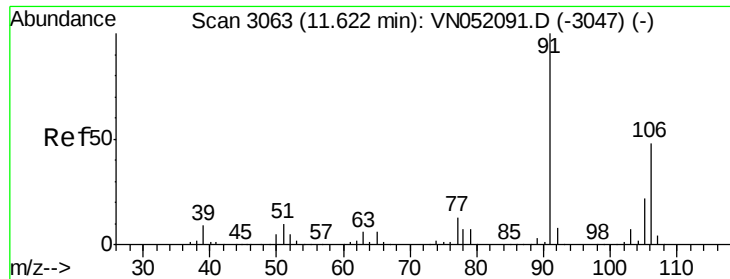
MMDadoda
11/14/2018 11:10:18 AM



#66
Ethyl Benzene
Concen: 19.738 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion: 91 Resp: 285454
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5





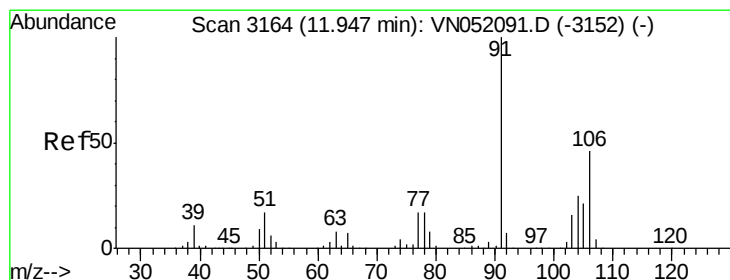
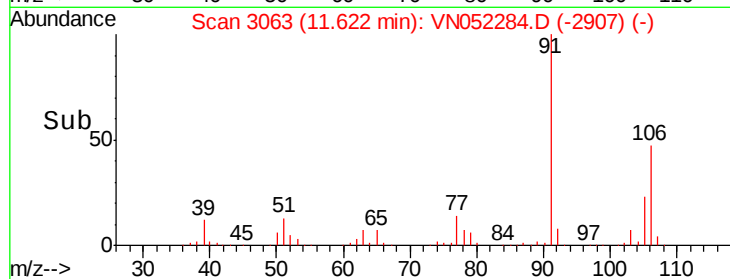
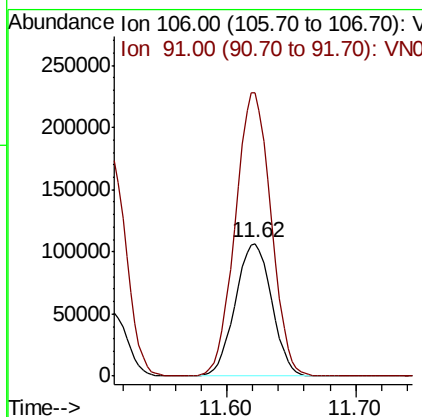
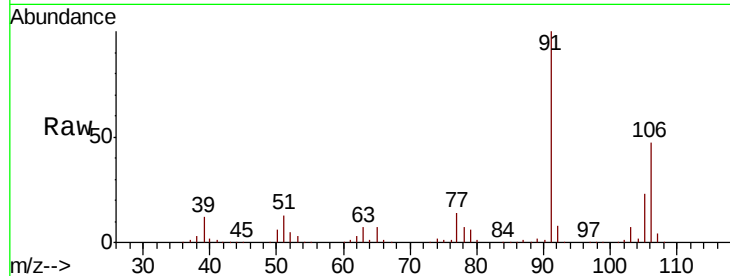
#67
m/p-Xvlenes
Concen: 37.612 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion:106 Resp: 209424
Ion Ratio Lower Upper
106 100
91 209.7 163.6 245.4

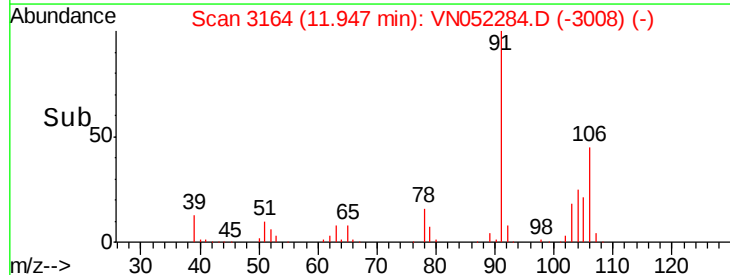
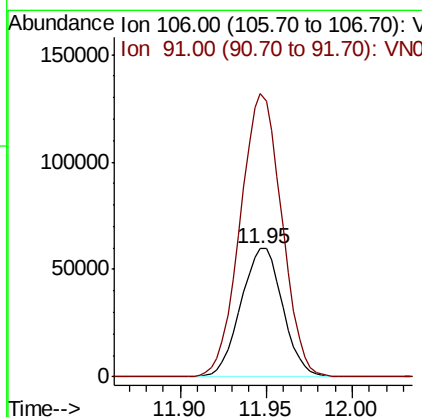
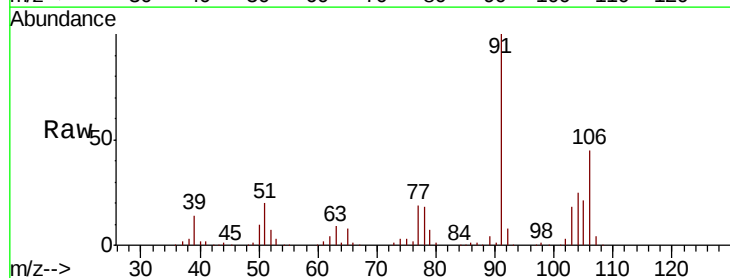
Manual Integrations
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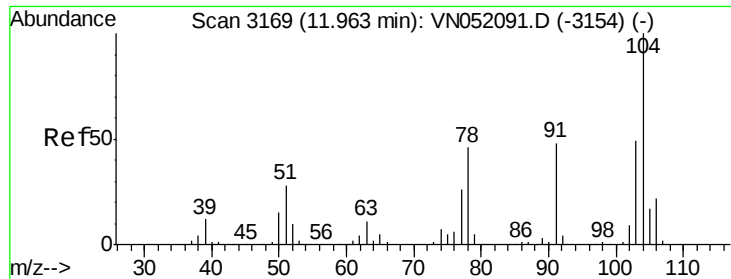
MMDadoda
11/14/2018 11:10:18 AM



#68
o-Xylene
Concen: 19.026 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion:106 Resp: 101000
Ion Ratio Lower Upper
106 100
91 219.9 110.0 330.0





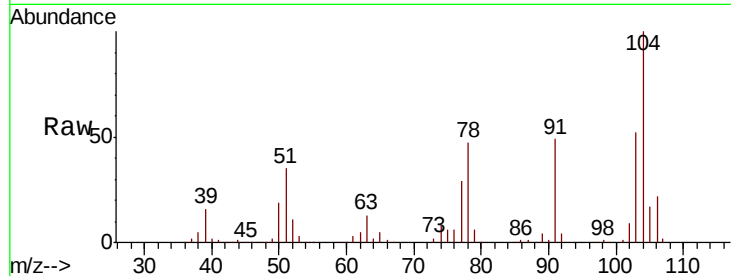
#69
Stvrene
Concen: 19.103 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

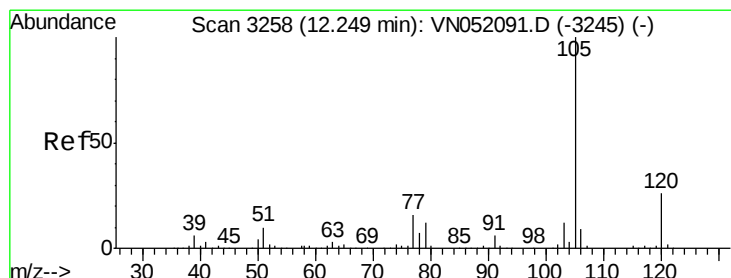
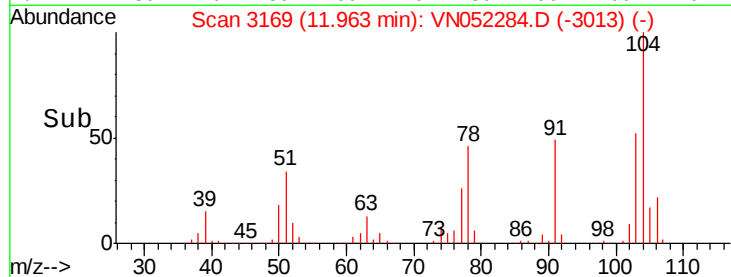
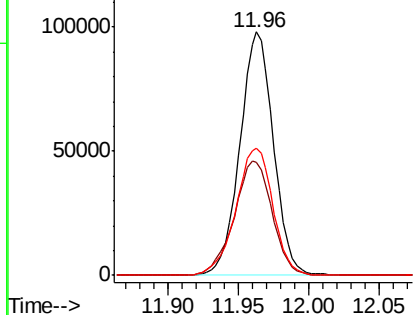
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.3	61.9
103	57.5	43.3	64.9

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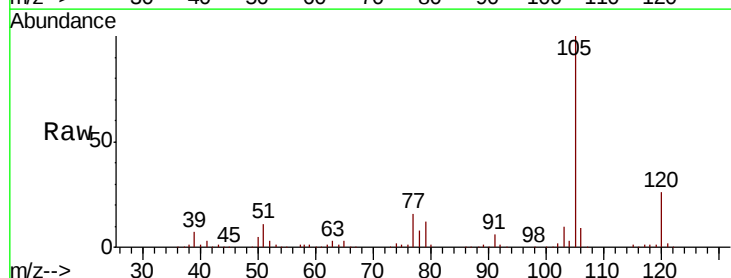


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

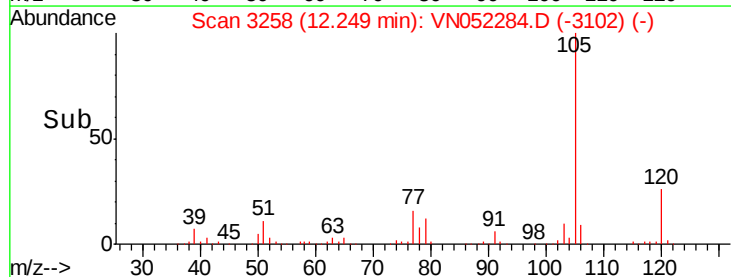
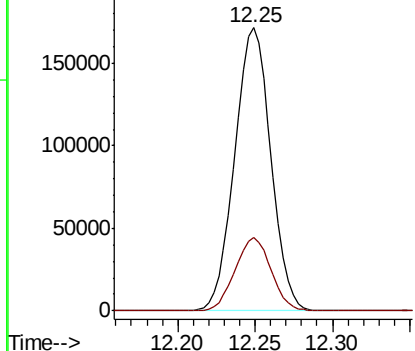


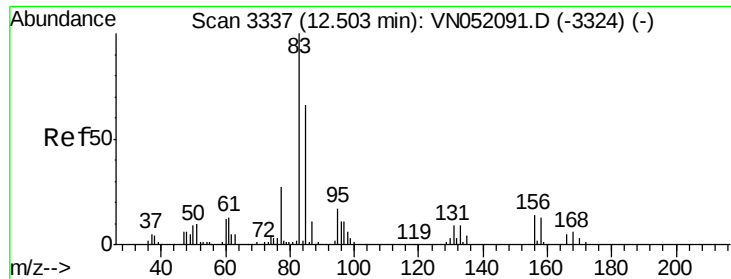
#70
Isopropylbenzene
Concen: 19.468 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





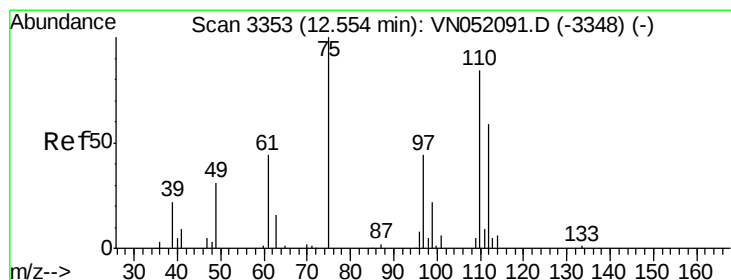
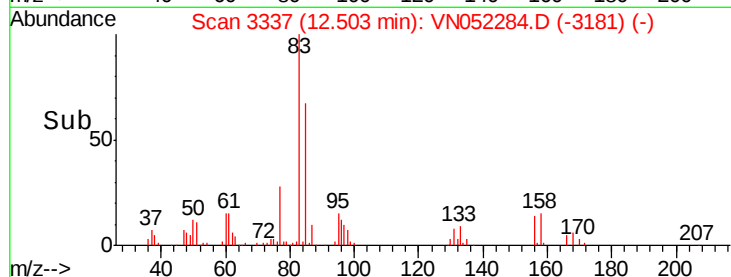
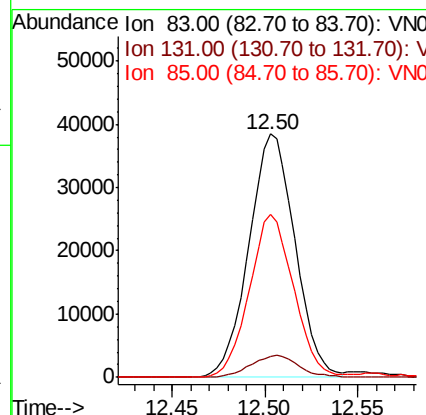
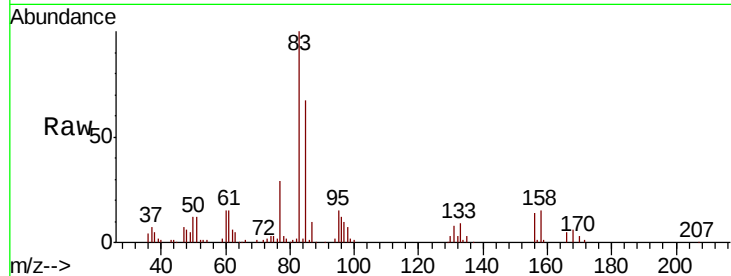
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.190 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.1	32.7	98.1

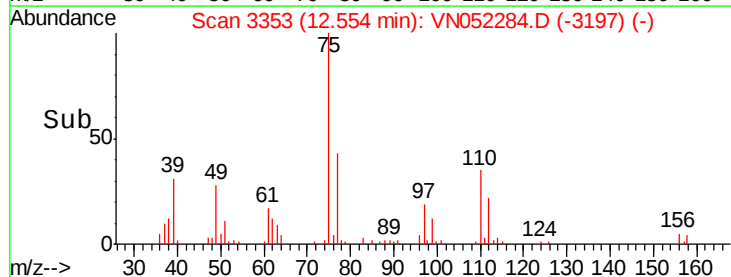
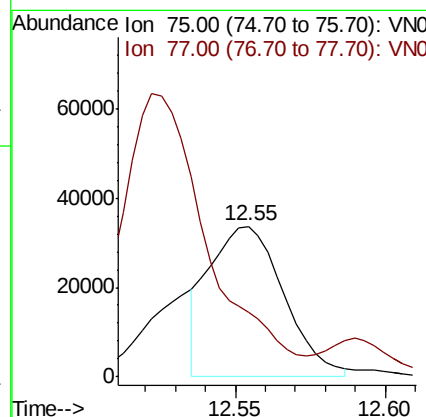
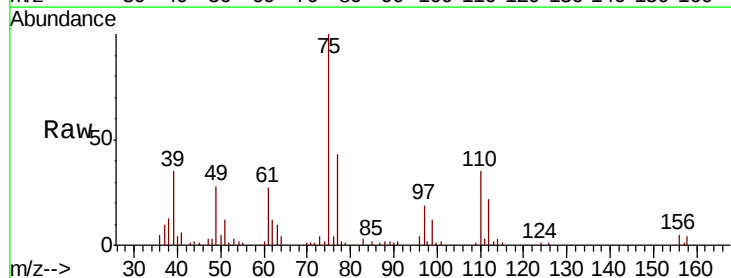
Manual Integrations
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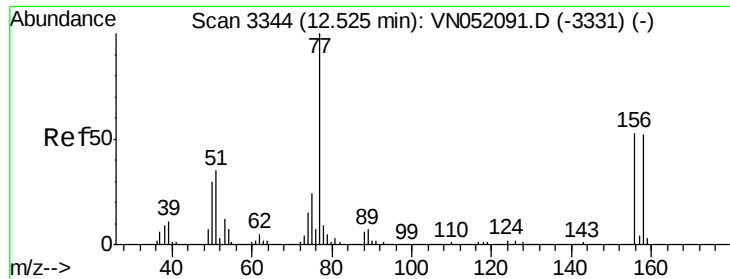
MMDadoda
 11/14/2018 11:10:18 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.258 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	220.5	0.0	481.8





#73

Bromobenzene

Concen: 19.644 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

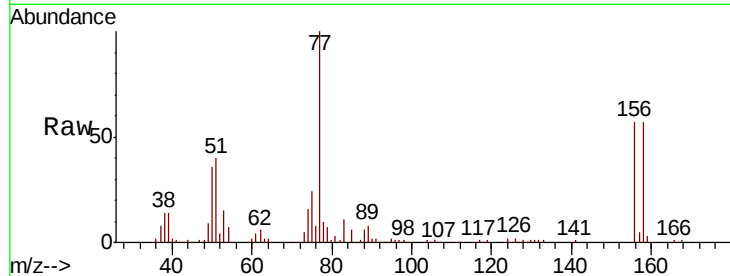
ClientSampleId :

VN1113WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	208.2	0.0	428.0	
158	98.4	0.0	196.8	

Manual Integrations
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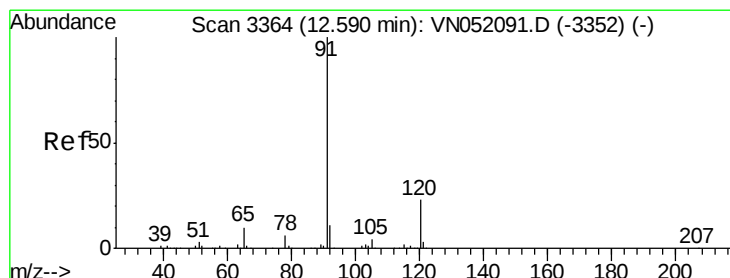
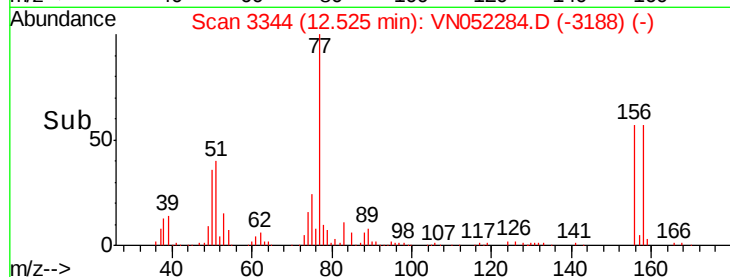
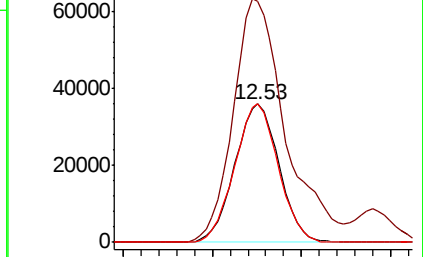
MMDadoda
11/14/2018 11:10:18 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.464 ug/l

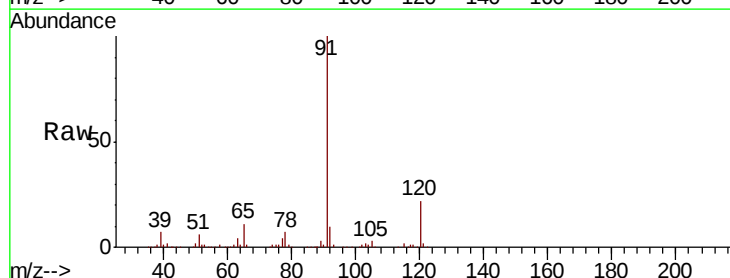
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052284.D

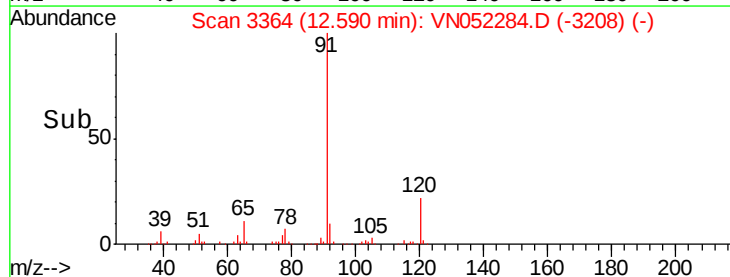
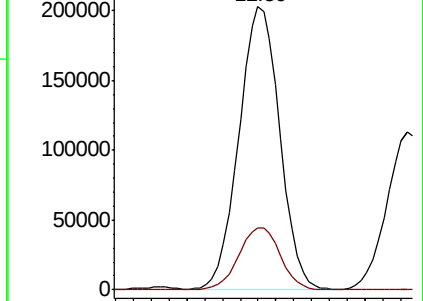
Acq: 13 Nov 2018 14:10

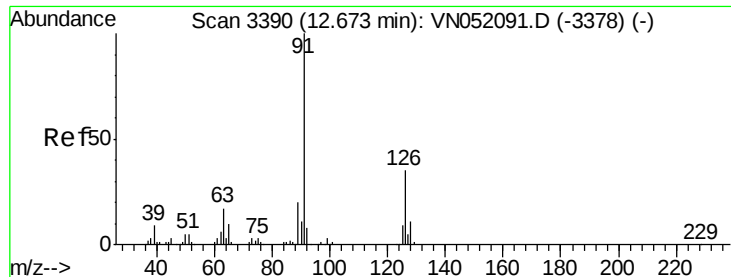
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	0.0	44.8	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.522 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion: 91 Resp: 186778

Ion Ratio Lower Upper

91 100

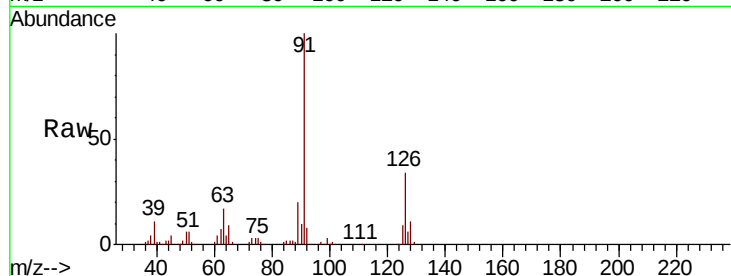
126 33.3 0.0 68.0

Manual Integrations

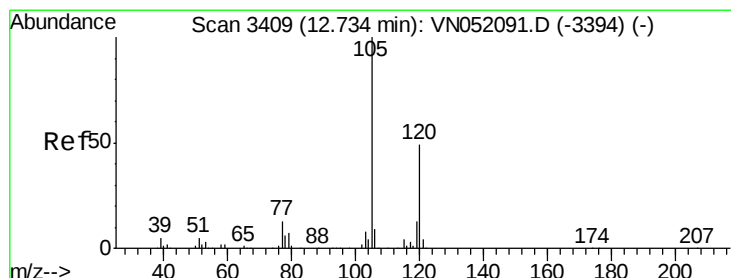
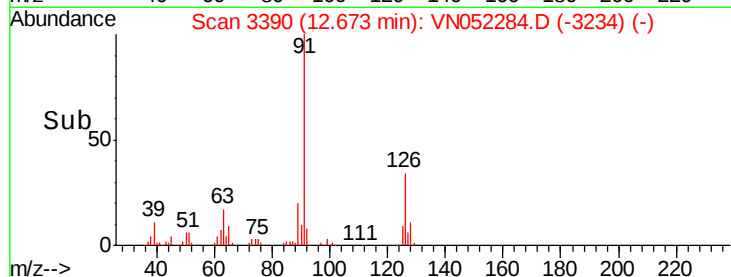
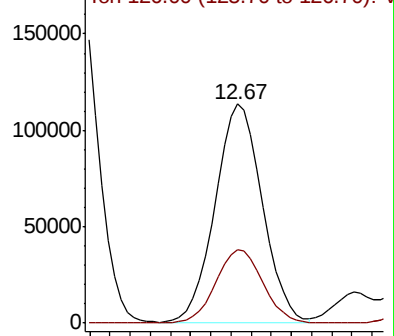
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.384 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052284.D

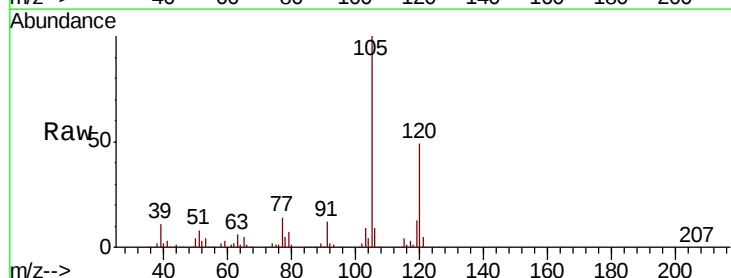
Acq: 13 Nov 2018 14:10

Tgt Ion: 105 Resp: 221503

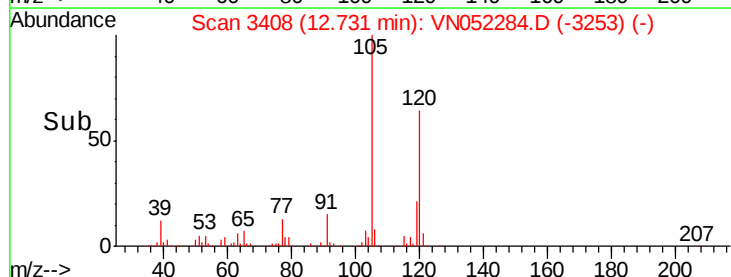
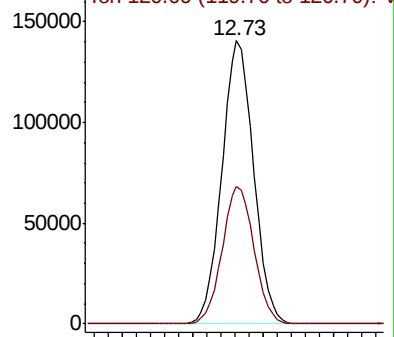
Ion Ratio Lower Upper

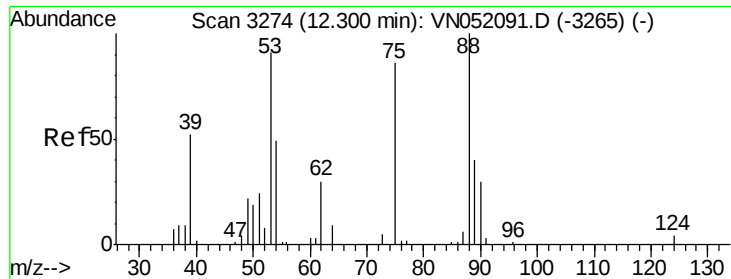
105 100

120 48.5 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





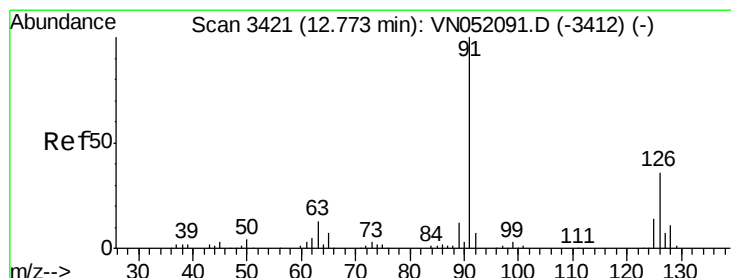
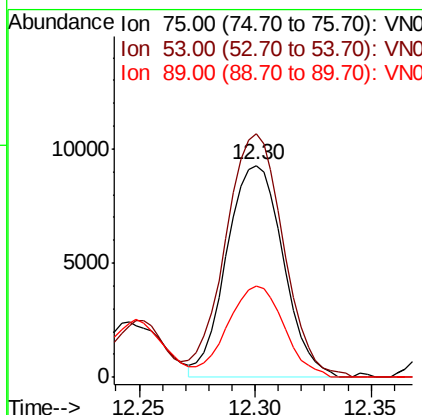
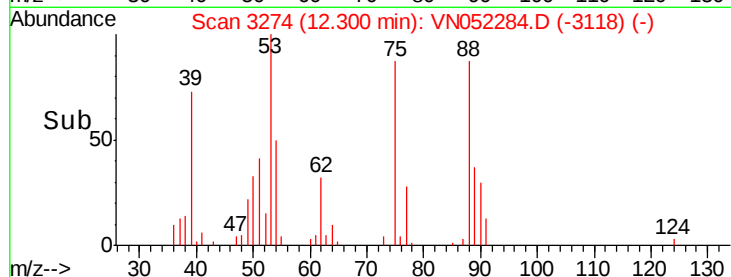
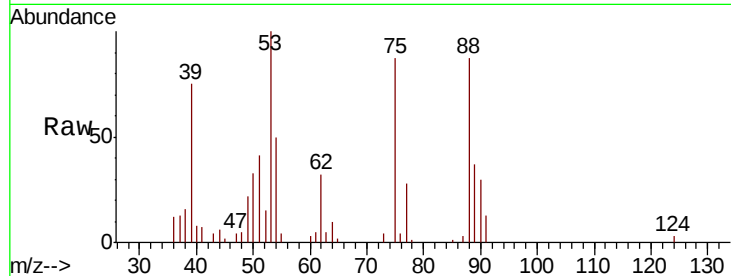
#77
t-1,4-Dichloro-2-butene
Concen: 18.238 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	50.7	152.1
89	43.0	23.8	71.5

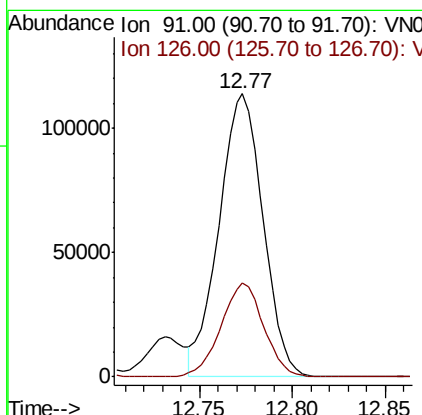
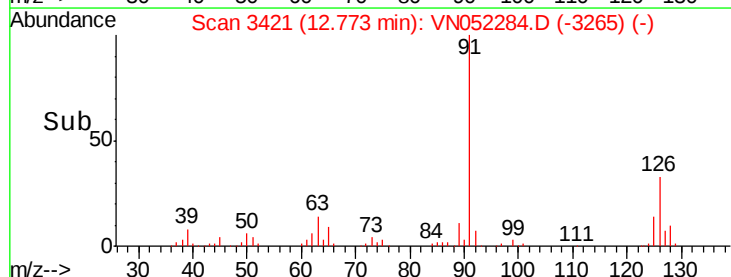
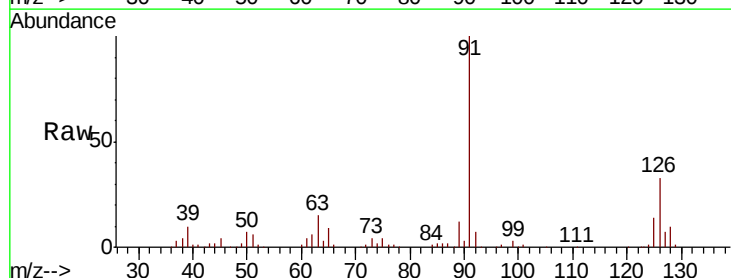
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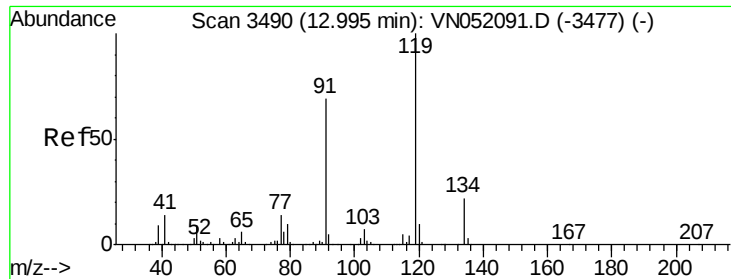
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#78
4-Chlorotoluene
Concen: 19.482 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	68.0





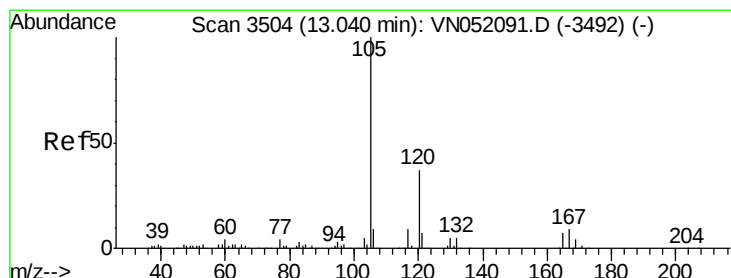
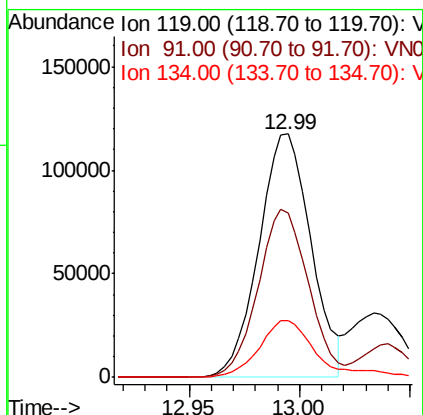
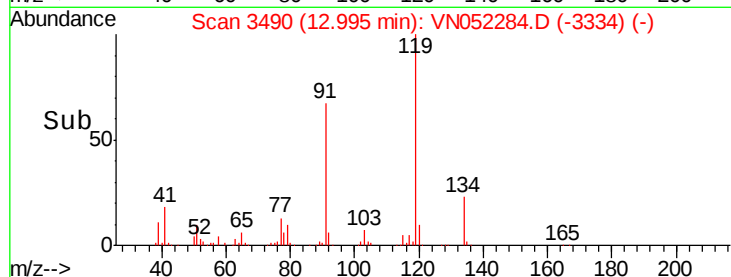
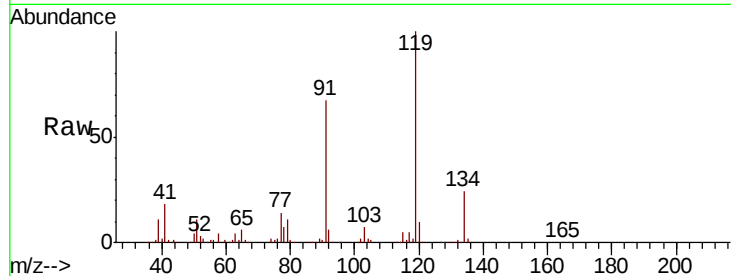
#79
tert-butylbenzene
Concen: 19.354 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192653		
91	67.0		0.0	131.2
134	25.7		0.0	45.8

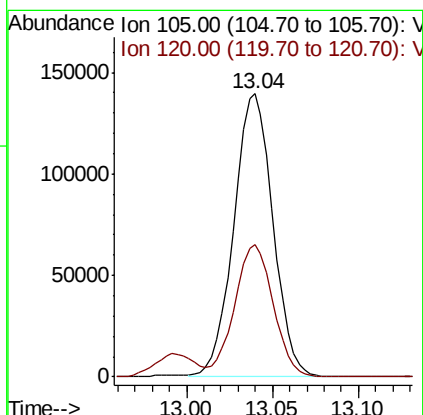
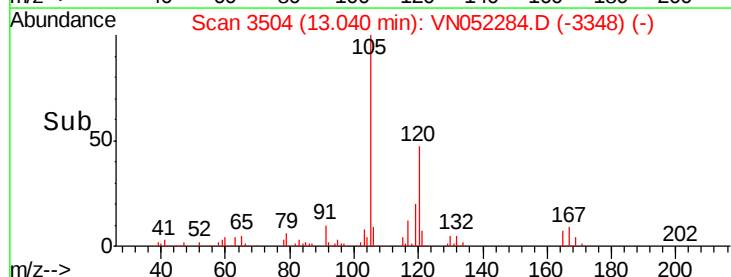
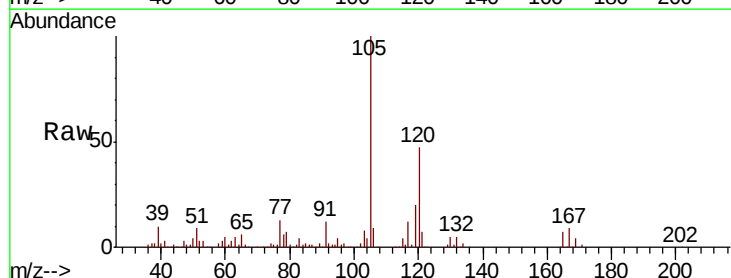
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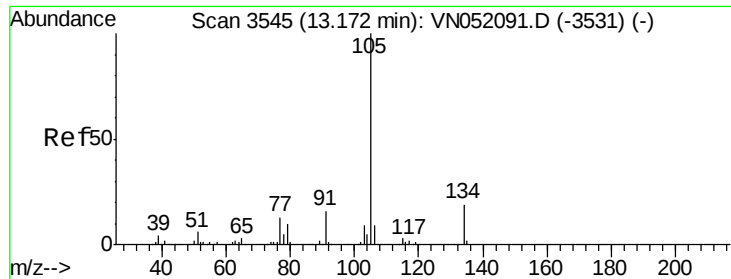
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#80
1,2,4-Trimethylbenzene
Concen: 19.432 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221213		
120	45.9		0.0	89.4





#81

sec-Butylbenzene

Concen: 19.406 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBSD01

Tot Ion:105 Resp: 265837

Ion Ratio Lower Upper

105 100

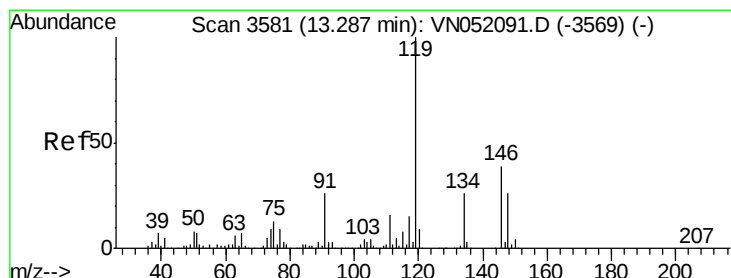
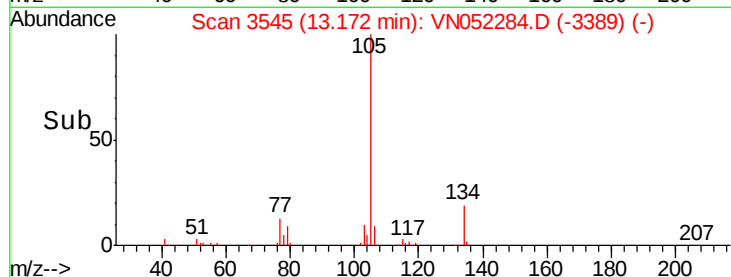
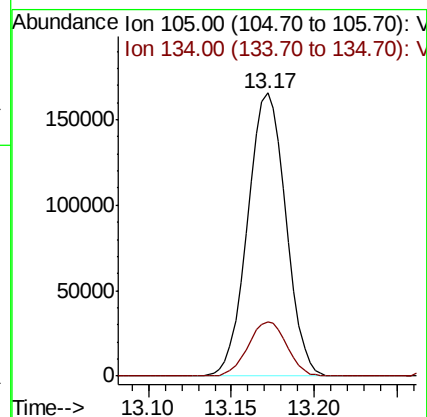
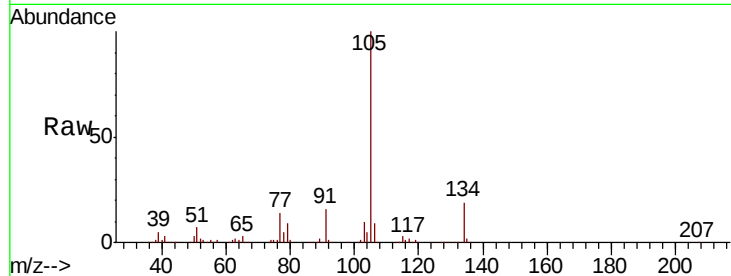
134 19.5 0.0 38.6

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#82

p-Isopropyltoluene

Concen: 19.244 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

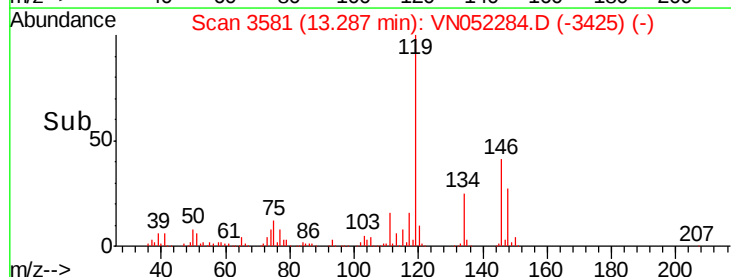
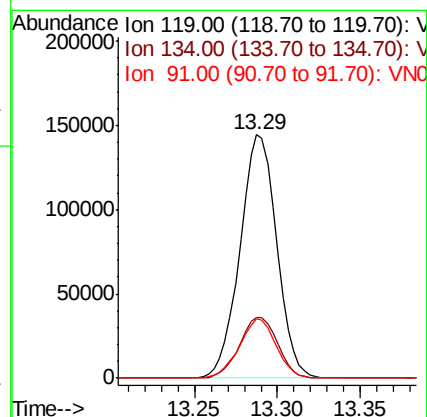
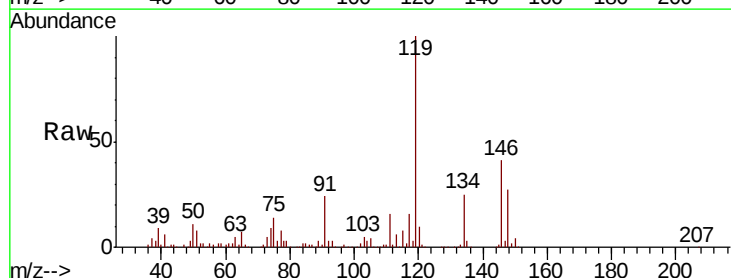
Tgt Ion:119 Resp: 222783

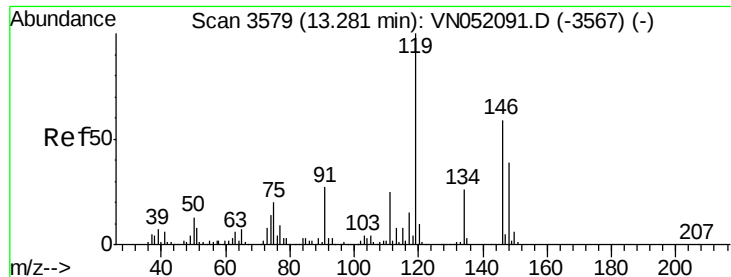
Ion Ratio Lower Upper

119 100

134 25.8 0.0 52.0

91 24.2 0.0 50.8





#83

1,3-Dichlorobenzene

Concen: 19.592 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

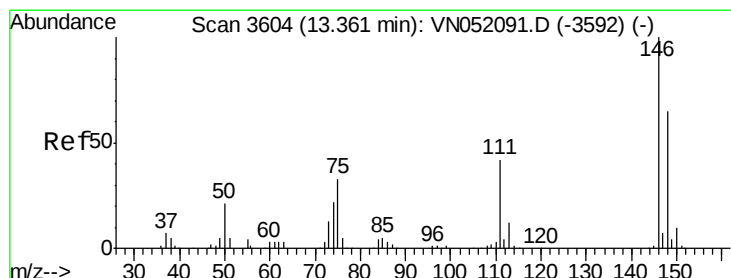
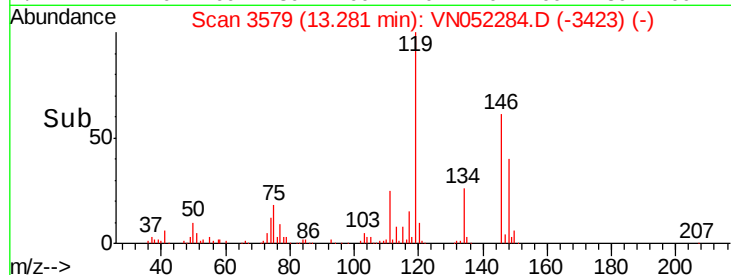
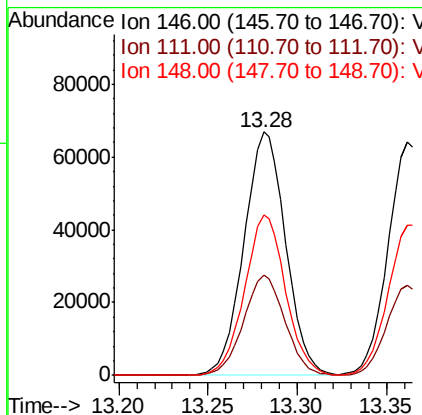
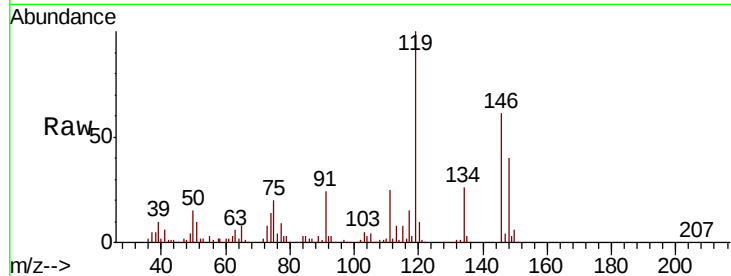
ClientSampleId :

VN1113WBSD01

Tot Ion:	146	Resp:	109431
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.0	63.0
148	64.6	33.4	100.2

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.773 ug/l

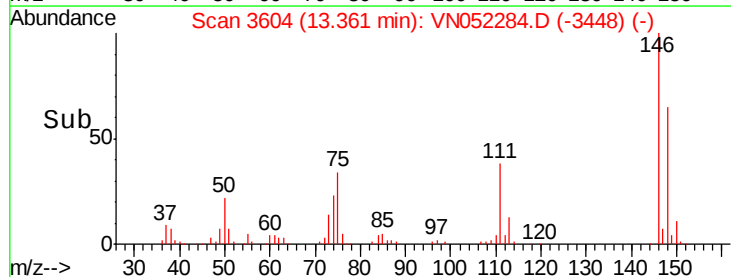
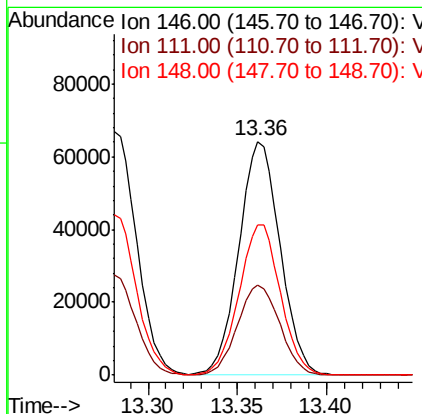
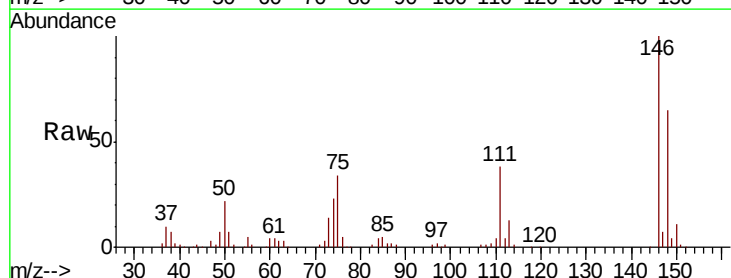
RT: 13.36 min Scan# 3604

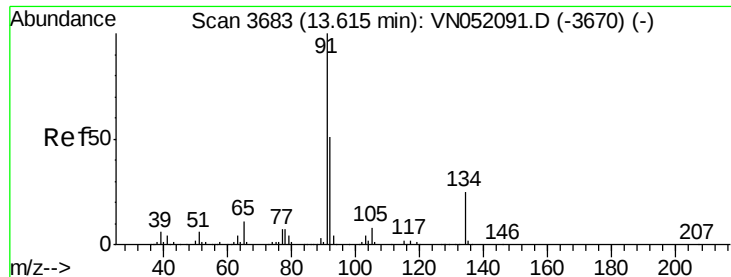
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	146	Resp:	103799
Ion Ratio	Lower	Upper	
146	100		
111	39.5	21.4	64.2
148	64.6	32.6	98.0





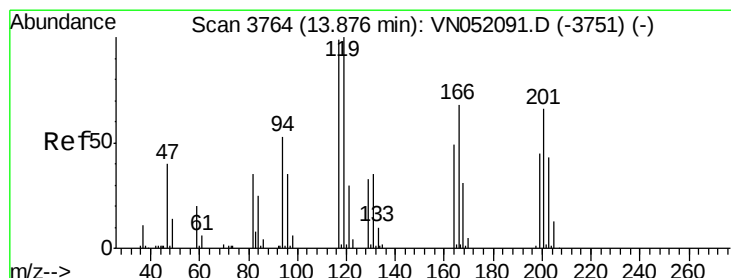
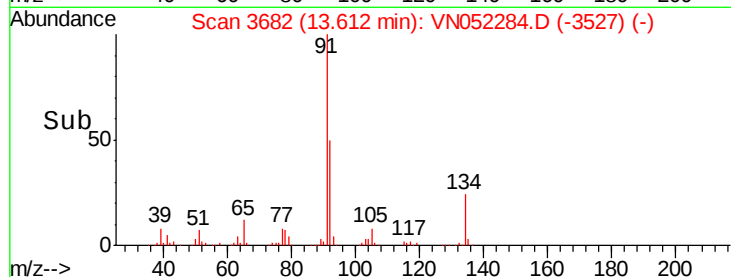
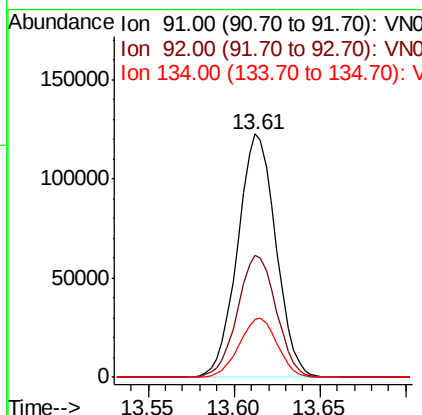
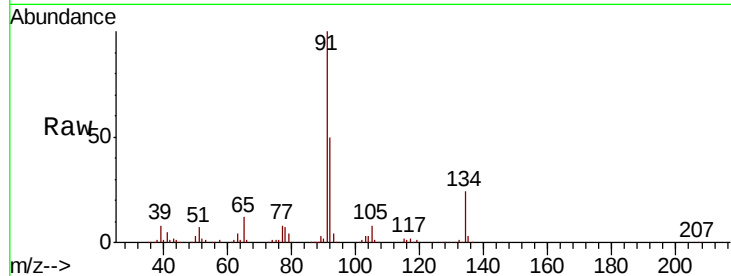
#85
n-Butylbenzene
Concen: 18.870 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	102.8
134	24.1	0.0	49.2

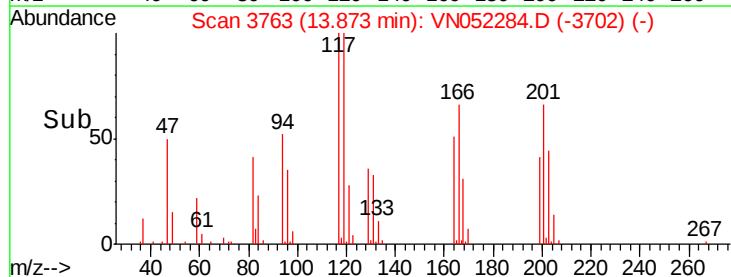
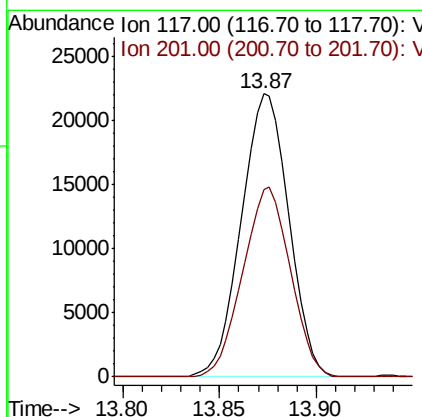
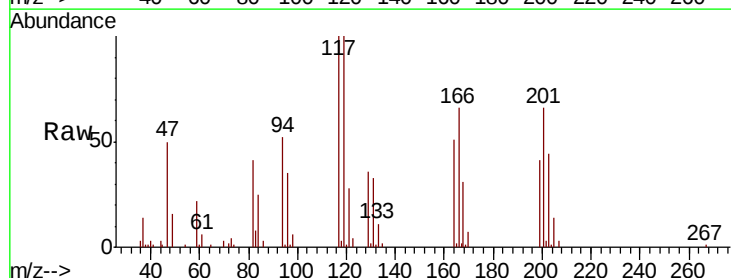
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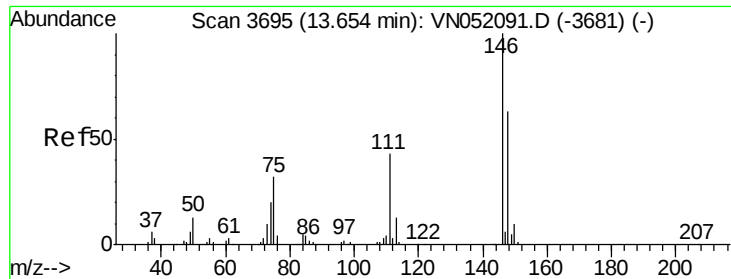
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#86
Hexachloroethane
Concen: 19.292 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.1	32.2	96.6





#87

1,2-Dichlorobenzene

Concen: 19.807 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Instrument :

MSVOA_N

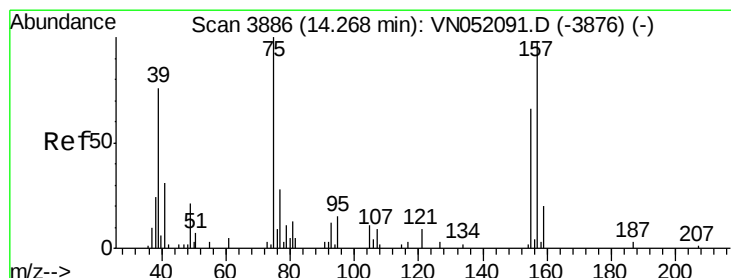
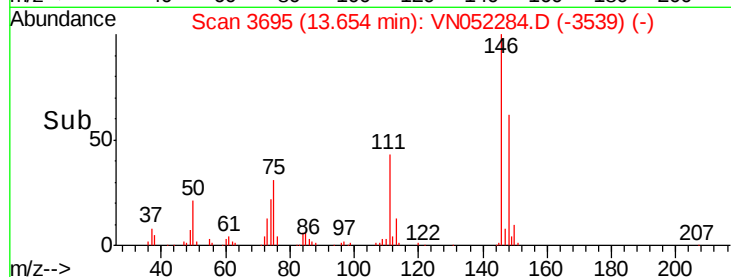
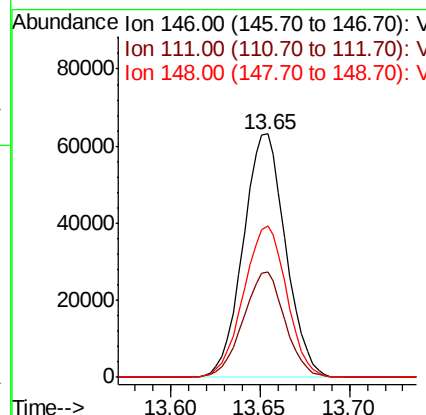
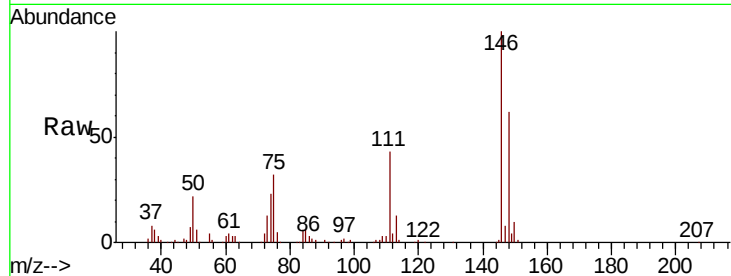
ClientSampleId :

VN1113WBSD01

Tot Ion:	146	Resp:	105111
Ion Ratio	Lower	Upper	
146	100		
111	42.5	22.4	67.0
148	63.2	32.5	97.4

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.452 ug/l

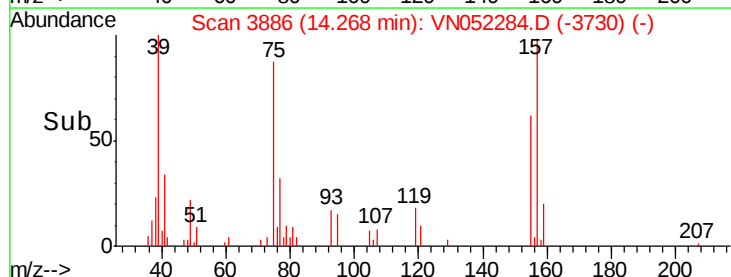
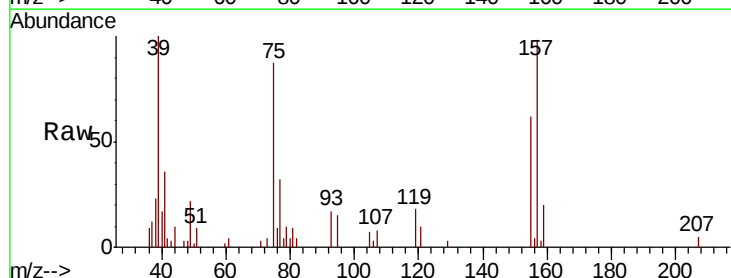
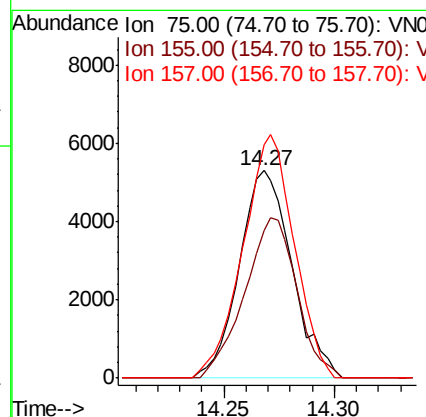
RT: 14.27 min Scan# 3886

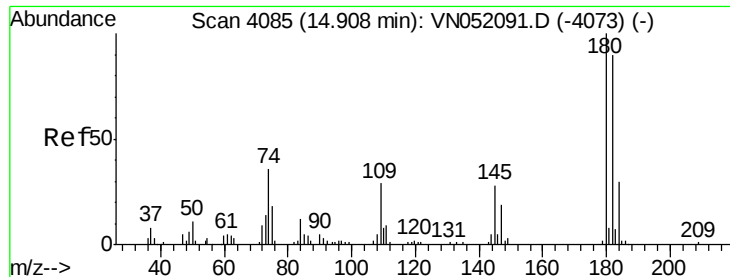
Delta R.T. 0.00 min

Lab File: VN052284.D

Acq: 13 Nov 2018 14:10

Tgt Ion:	75	Resp:	8766
Ion Ratio	Lower	Upper	
75	100		
155	76.7	56.7	85.1
157	114.0	80.4	120.6





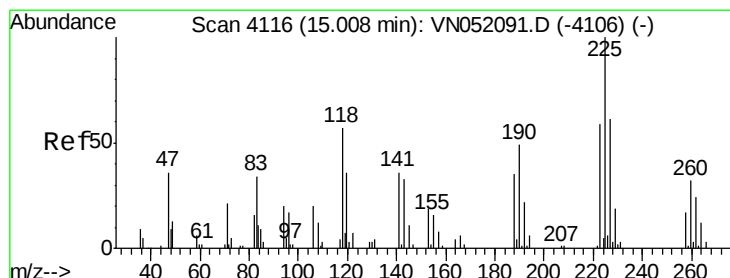
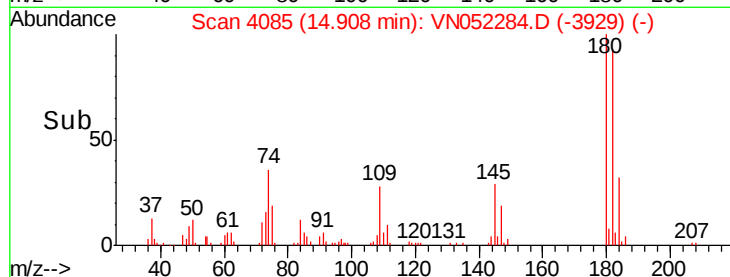
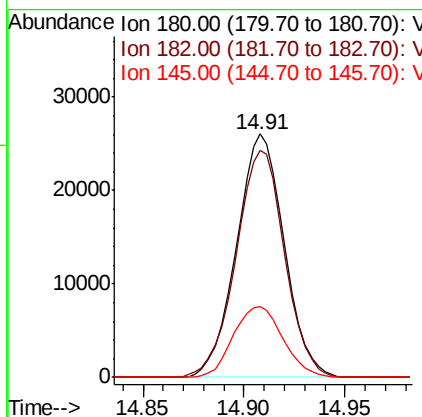
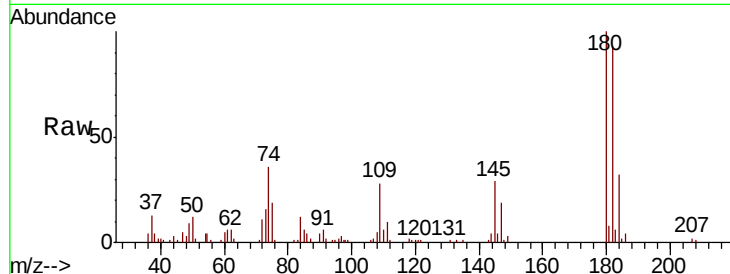
#89
 1,2,4-Trichlorobenzene
 Concen: 19.965 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.0	111.0
145	30.4	24.6	36.8

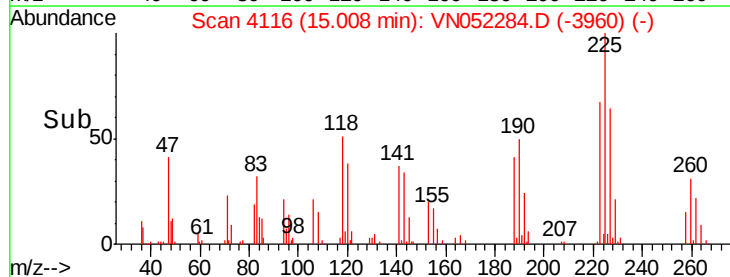
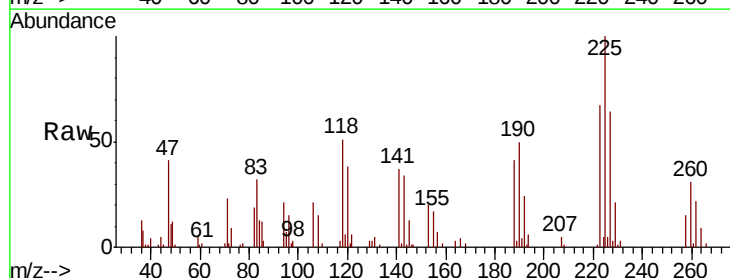
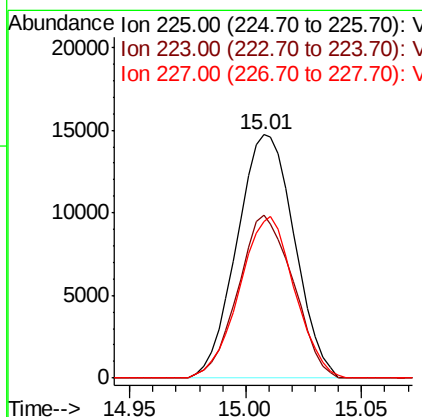
Manual Integrations
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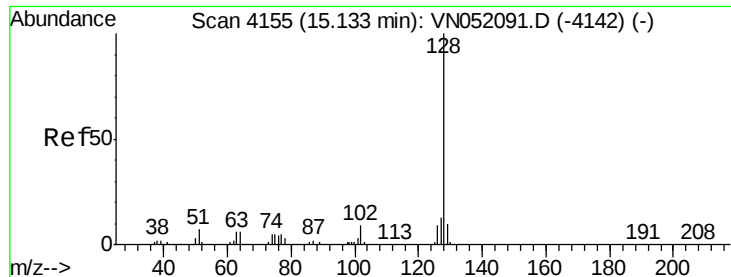
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#90
 Hexachlorobutadiene
 Concen: 21.511 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052284.D
 Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	121.2
227	63.7	0.0	127.2





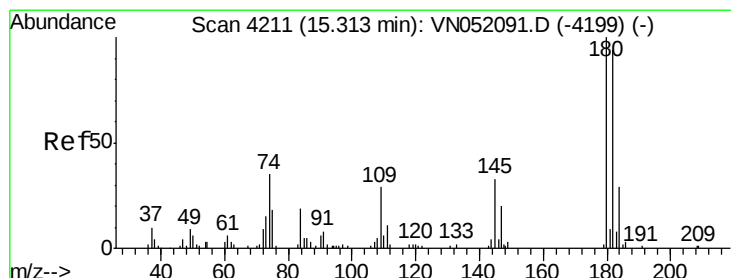
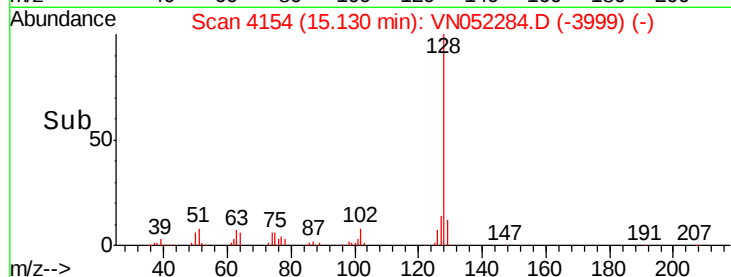
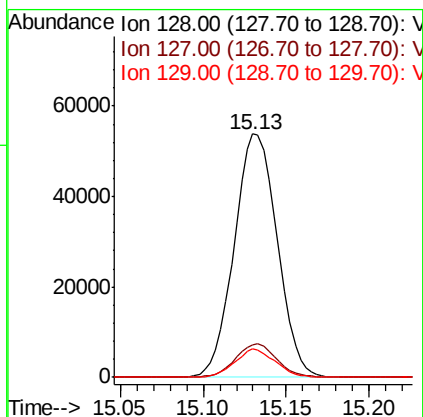
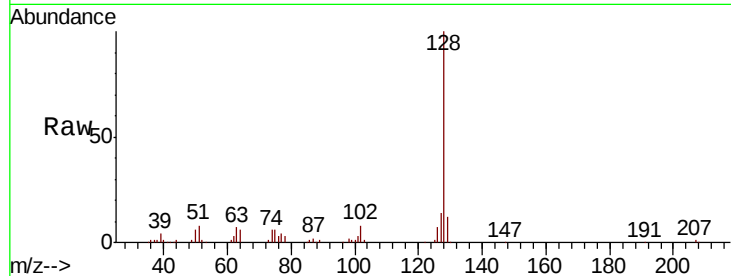
#91
Naphthalene
Concen: 19.584 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
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11/14/2018 11:10:18 AM



#92
1,2,3-Trichlorobenzene
Concen: 21.519 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052284.D
Acq: 13 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	186.6
145	32.5	0.0	66.6

