

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092618\
 Data File : VN051518.D
 Acq On : 26 Sep 2018 6:38
 Operator : MD\SY
 Sample : VN0926WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Manual Integrations
 APPROVED

mmdadoda
 9/30/2018 9:54:43 AM

Quant Time: Sep 26 08:28:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	474794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	707324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311687	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	316371	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.59	113	282245	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1029255	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	331233	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	80800	18.241	ug/l	98
3) Chloromethane	2.06	50	139176	19.737	ug/l	97
4) Vinyl Chloride	2.19	62	147638	18.970	ug/l	97
5) Bromomethane	2.57	94	76270	16.393	ug/l	100
6) Chloroethane	2.70	64	95285	19.648	ug/l	100
7) Trichlorofluoromethane	3.01	101	208116	20.415	ug/l	99
8) Diethyl Ether	3.41	74	60244	17.020	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	104729	18.204	ug/l	97
10) Methyl Iodide	3.96	142	102701	13.640	ug/l	98
11) Tert butyl alcohol	4.79	59	34421	102.544	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	92824	17.572	ug/l	96
13) Acrolein	3.61	56	24213	72.641	ug/l	100
14) Allyl chloride	4.32	41	150687	17.002	ug/l	97
15) Acrylonitrile	4.99	53	183597	100.546	ug/l	98
16) Acetone	3.82	43	127406	80.038	ug/l	97
17) Carbon Disulfide	4.05	76	260987	16.816	ug/l	100
18) Methyl Acetate	4.33	43	100219	22.125	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	265643	19.501	ug/l	99
20) Methylene Chloride	4.55	84	116668	19.823	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	101670	18.814	ug/l	96
22) Diisopropyl ether	5.96	45	364822	21.295	ug/l	100
23) Vinyl Acetate	5.90	43	1110614	98.742	ug/l	98
24) 1,1-Dichloroethane	5.85	63	211864	20.726	ug/l	98
25) 2-Butanone	6.84	43	199222	97.863	ug/l	93
26) 2,2-Dichloropropane	6.83	77	118227	14.817	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	115721	19.516	ug/l	99
28) Bromochloromethane	7.20	49	108069	22.894	ug/l	99
29) Tetrahydrofuran	7.22	42	135005	104.650	ug/l	98
30) Chloroform	7.37	83	211661	20.897	ug/l	99
31) Cyclohexane	7.65	56	169350	18.083	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	179738	20.757	ug/l	99
36) 1,1-Dichloropropene	7.80	75	149688	18.275	ug/l	99
37) Ethyl Acetate	6.94	43	95192	20.213	ug/l	98
38) Carbon Tetrachloride	7.78	117	159617	18.631	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	158777	16.582	ug/l	94
40) Benzene	8.04	78	460327	19.140	ug/l	100
41) Methacrylonitrile	7.18	41	45878	17.608	ug/l	97
42) 1,2-Dichloroethane	8.13	62	152126	19.754	ug/l	99
43) Isopropyl Acetate	8.17	43	176049	20.673	ug/l #	90
44) Trichloroethene	8.84	130	117935	18.462	ug/l	98
45) 1,2-Dichloropropane	9.12	63	128534	19.661	ug/l	98
46) Dibromomethane	9.21	93	72391	19.597	ug/l	98
47) Bromodichloromethane	9.40	83	160232	19.601	ug/l	99
48) Methyl methacrylate	9.20	41	81787	19.263	ug/l	97
49) 1,4-Dioxane	9.20	88	20371	391.489	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	465611	99.415	ug/l	99
52) Toluene	10.16	92	277416	18.561	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	141552	17.152	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	169552	17.716	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104457	19.775	ug/l	99
56) Ethyl methacrylate	10.43	69	117899	18.255	ug/l	98
57) 1,3-Dichloropropane	10.71	76	175640	19.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	302040	99.747	ug/l	98
59) 2-Hexanone	10.75	43	287667	94.748	ug/l	97
60) Dibromochloromethane	10.90	129	116480	18.689	ug/l	100
61) 1,2-Dibromoethane	11.01	107	98839	19.275	ug/l	99
64) Tetrachloroethene	10.63	164	114383	19.922	ug/l	97
65) Chlorobenzene	11.43	112	303059	18.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	118110	19.099	ug/l	98
67) Ethyl Benzene	11.51	91	485012	17.731	ug/l	99
68) m/p-Xylenes	11.62	106	386352	36.514	ug/l	100
69) o-Xylene	11.95	106	183703	18.060	ug/l	97
70) Styrene	11.96	104	292223	18.130	ug/l	99
71) Bromoform	12.13	173	76851	18.315	ug/l #	98
73) Isopropylbenzene	12.25	105	491292	18.682	ug/l	99
74) N-amyl acetate	12.07	43	130342	19.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	129598	21.133	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	116723m	22.559	ug/l	
77) Bromobenzene	12.53	156	127549	19.159	ug/l	97
78) n-propylbenzene	12.59	91	557638	18.814	ug/l	98
79) 2-Chlorotoluene	12.67	91	341602	19.255	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	417206	19.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	27686	16.453	ug/l	100
82) 4-Chlorotoluene	12.77	91	340102	19.207	ug/l	98
83) tert-Butylbenzene	12.99	119	350636	18.371	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	419607	19.419	ug/l	99
85) sec-Butylbenzene	13.17	105	490207	18.985	ug/l	99
86) p-Isopropyltoluene	13.29	119	412145	18.446	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	217179	18.851	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	208321	18.793	ug/l	100
89) n-Butylbenzene	13.62	91	319917	17.413	ug/l	99
90) Hexachloroethane	13.88	117	83771	18.818	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	216971	19.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17886	20.437	ug/l	99

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ClientSampleId :
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QLast Update : Mon Sep 24 06:41:32 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	90512	19.204	ug/l	98
94) Hexachlorobutadiene	15.01	225	79464	18.789	ug/l	97
95) Naphthalene	15.13	128	160004	19.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	95712	17.842	ug/l	98

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

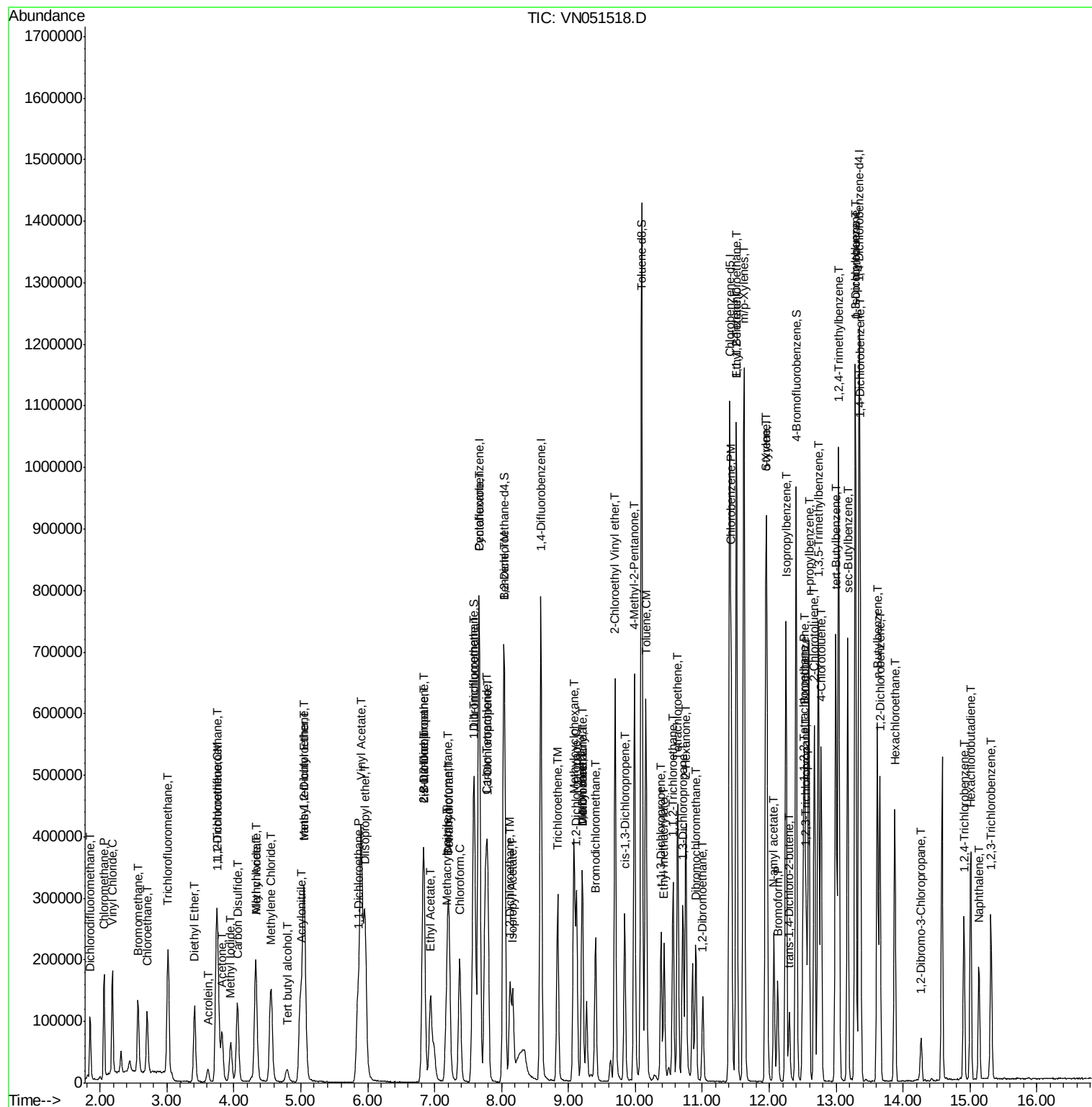
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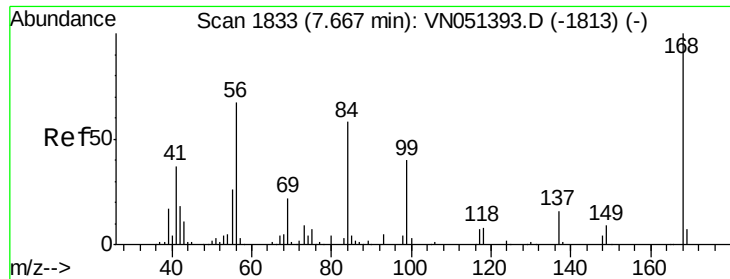
Instrument :
MSVOA_N
Client Sample Id :
VN0926WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion:168 Resp: 474794

Ion Ratio Lower Upper

168 100

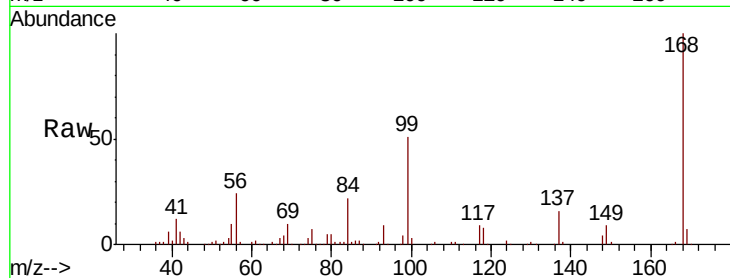
99 50.8 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

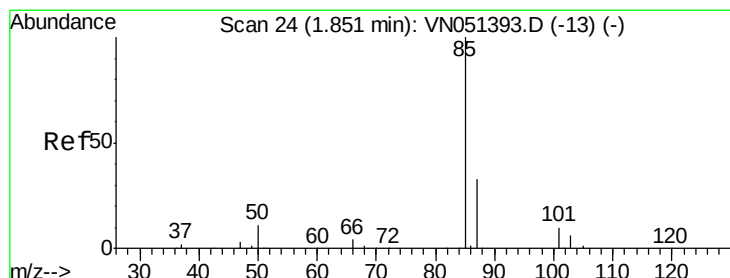
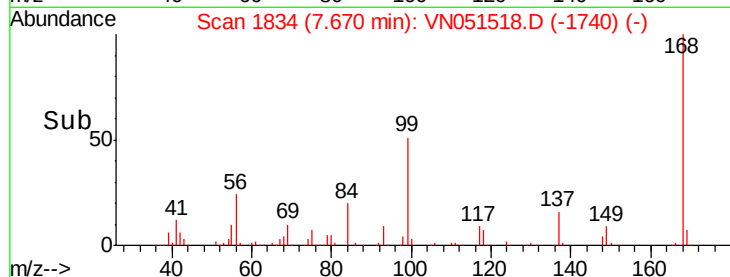
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051518.D

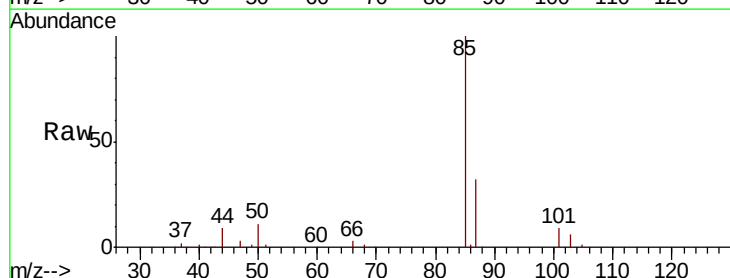
Acq: 26 Sep 2018 6:38

Tgt Ion: 85 Resp: 80800

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

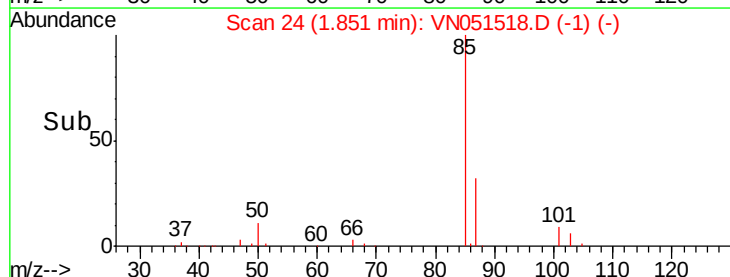
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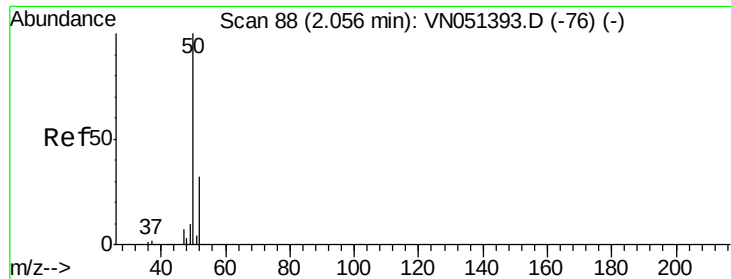
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Time-->





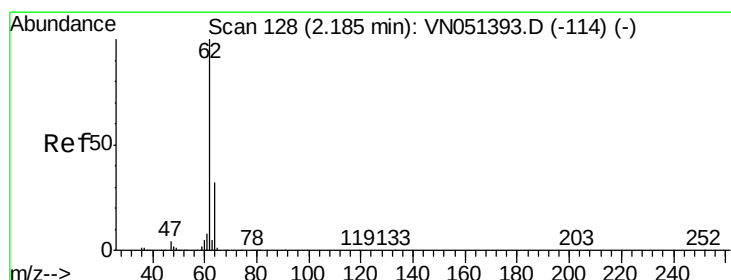
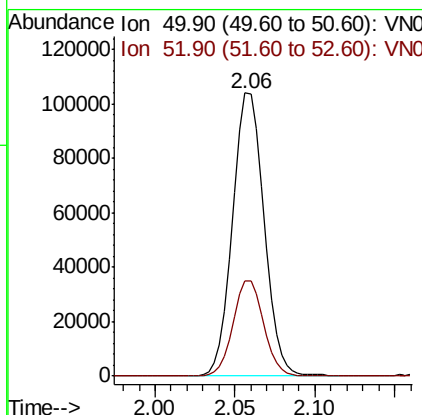
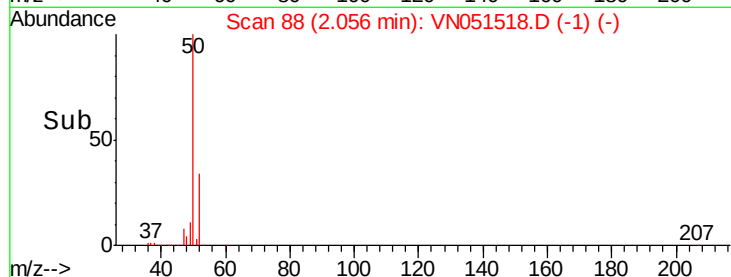
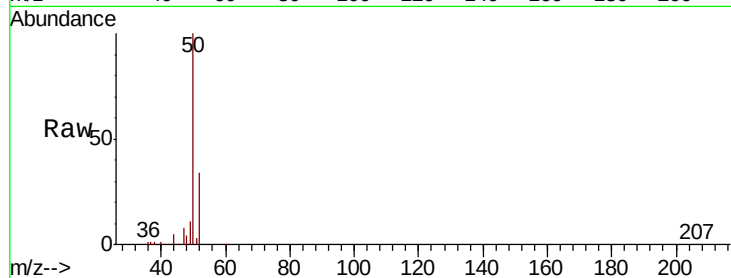
#3
Chloromethane
Concen: 19.737 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 50 Resp: 139176
Ion Ratio Lower Upper
50 100
52 33.8 25.7 38.5

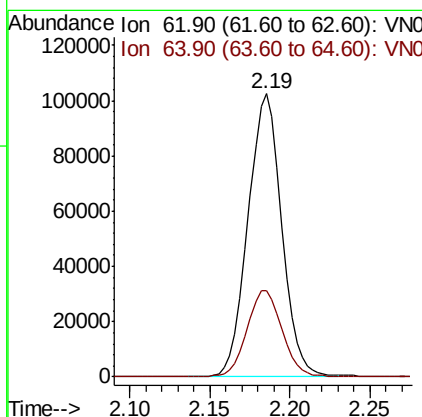
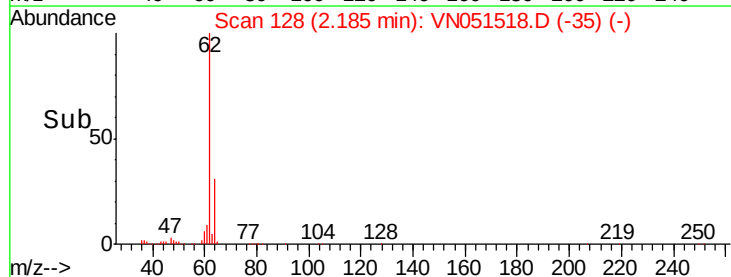
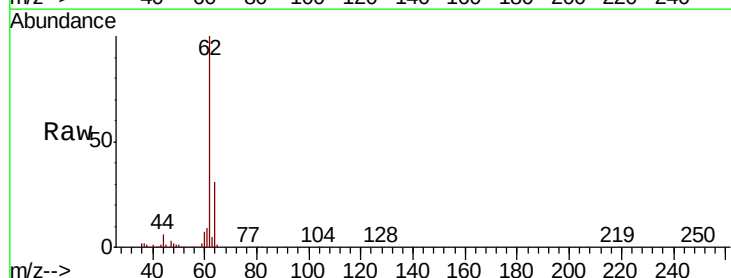
Manual Integrations
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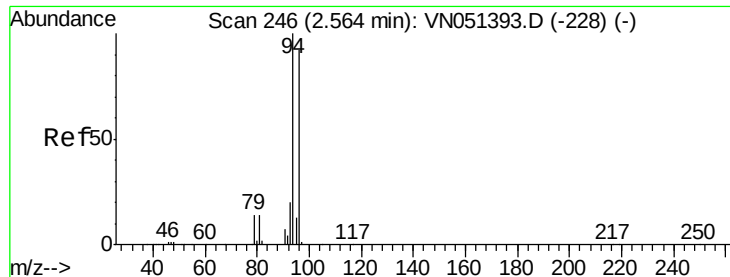
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#4
Vinyl Chloride
Concen: 18.970 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 62 Resp: 147638
Ion Ratio Lower Upper
62 100
64 30.5 25.8 38.8





#5

Bromomethane

Concen: 16.393 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 94 Resp: 76270

Ion Ratio Lower Upper

94 100

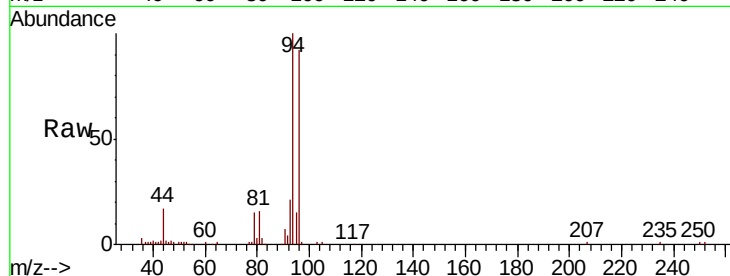
96 91.9 73.6 110.4

Manual Integrations

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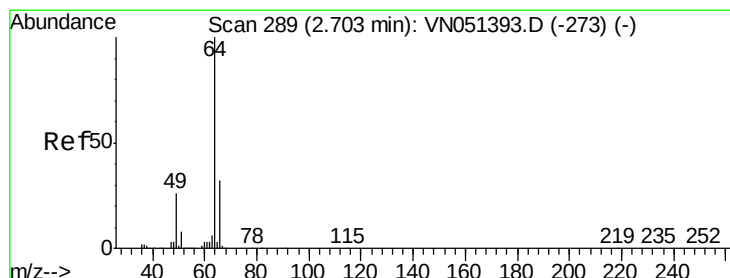
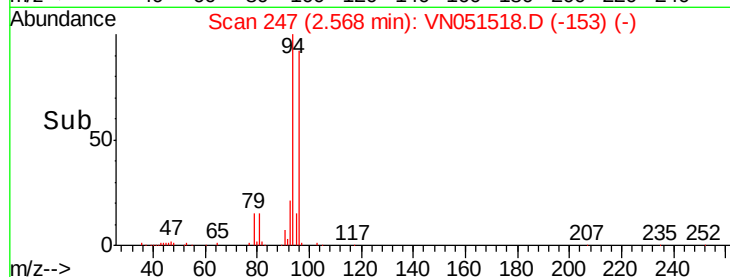
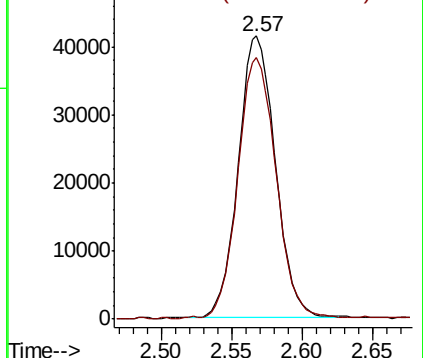
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.648 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051518.D

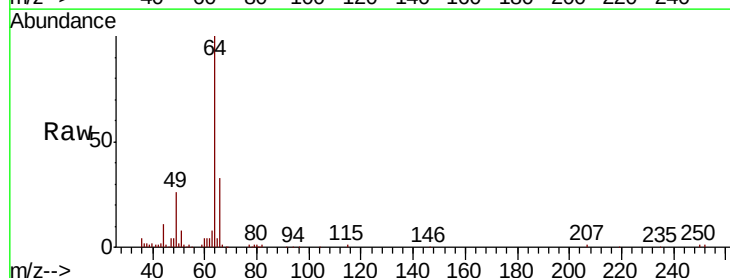
Acq: 26 Sep 2018 6:38

Tgt Ion: 64 Resp: 95285

Ion Ratio Lower Upper

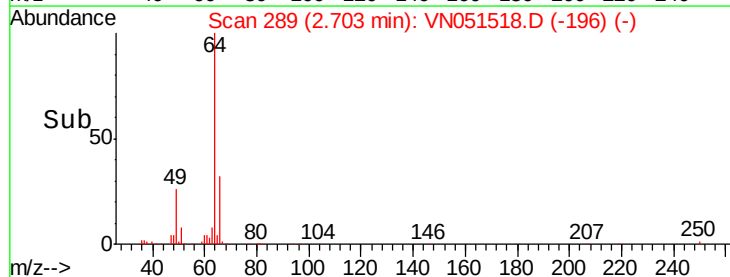
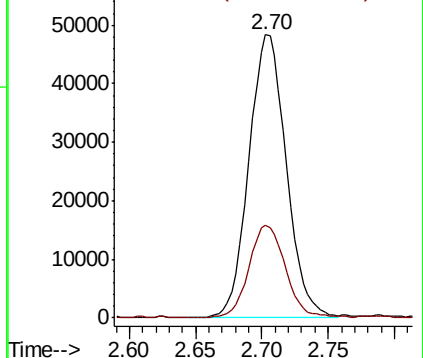
64 100

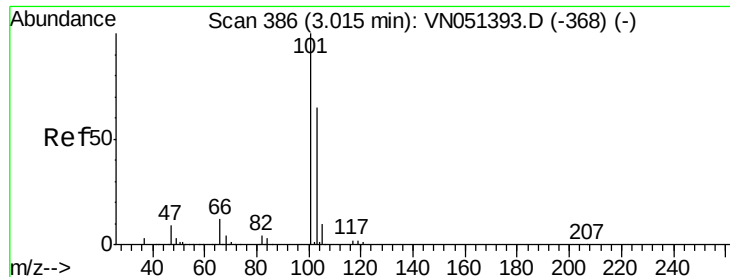
66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

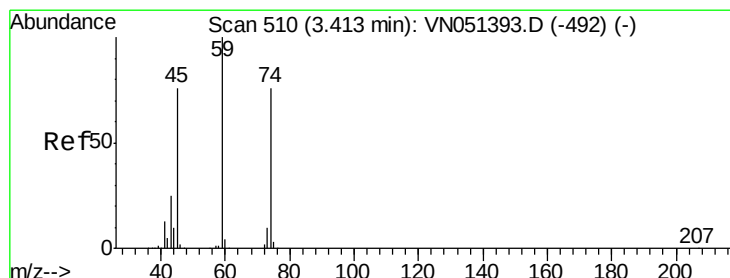
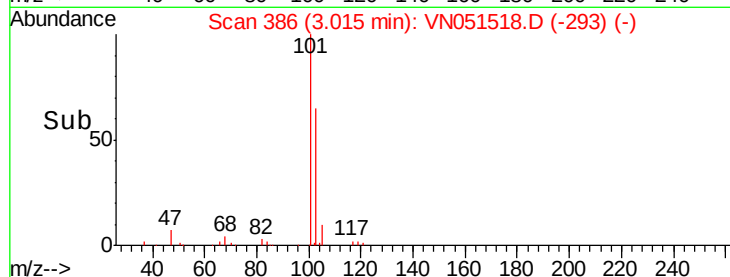
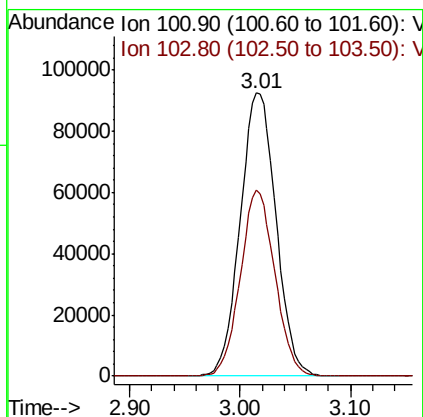
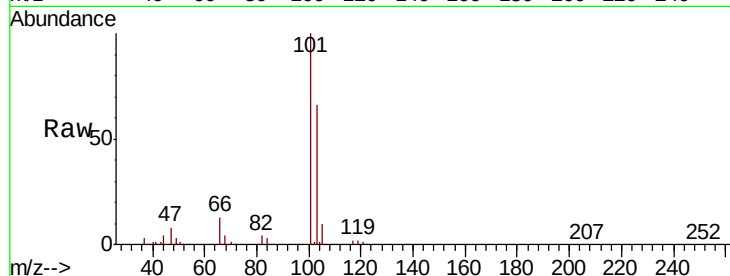
Trichlorofluoromethane
 Concen: 20.415 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	208116		
103	65.6	51.8	77.8	

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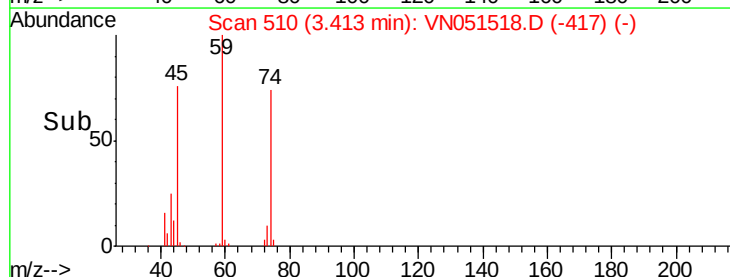
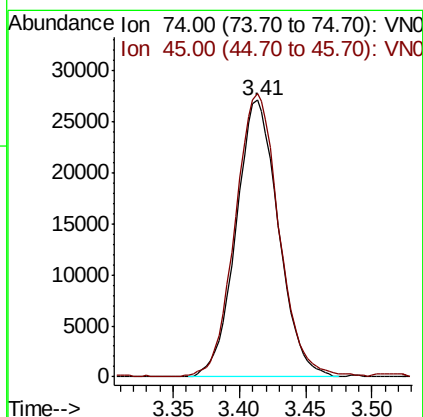
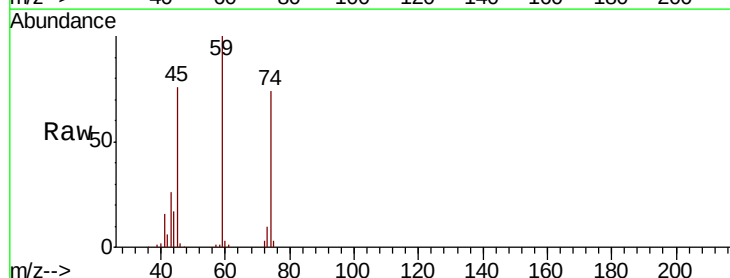
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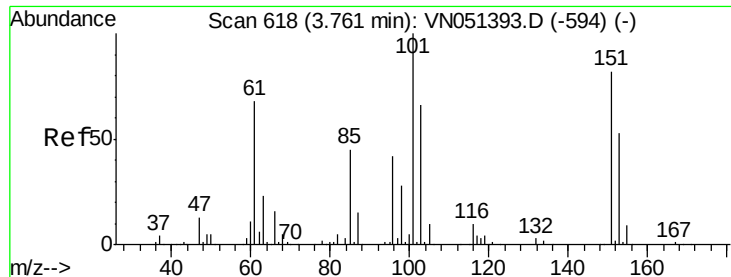


#8

Diethyl Ether
 Concen: 17.020 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60244		
45	105.5	50.2	150.7	





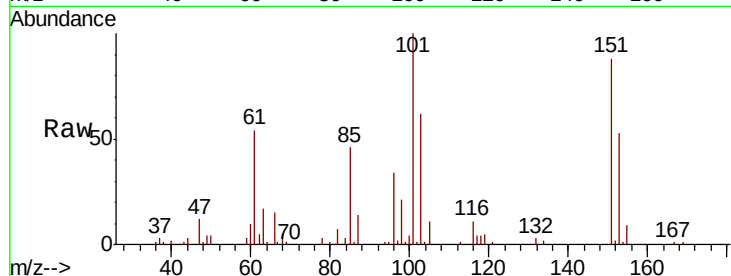
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.204 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

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ClientSampleId :
VN0926WBSD02

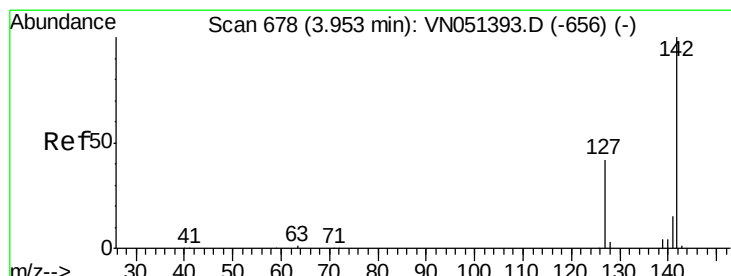
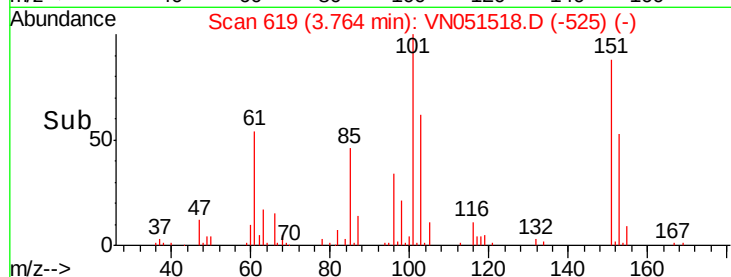
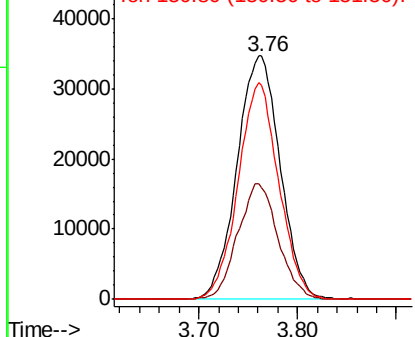
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	104729		
85	44.5	33.9	50.9	
151	84.0	65.2	97.8	

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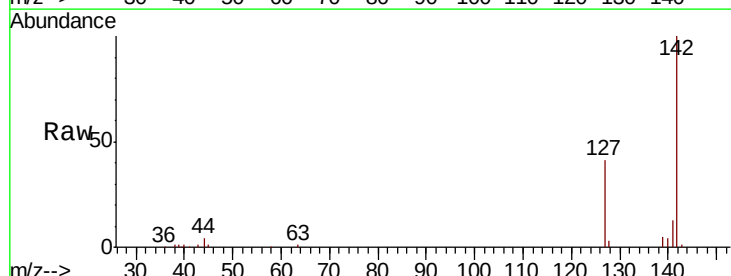


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V

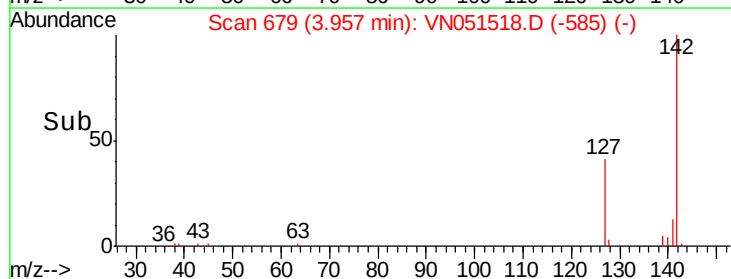
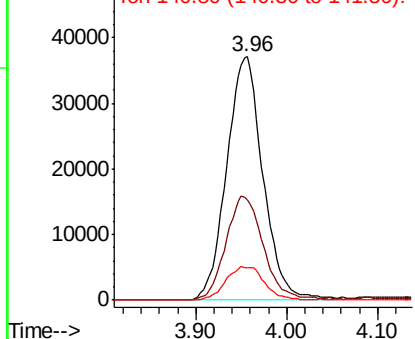


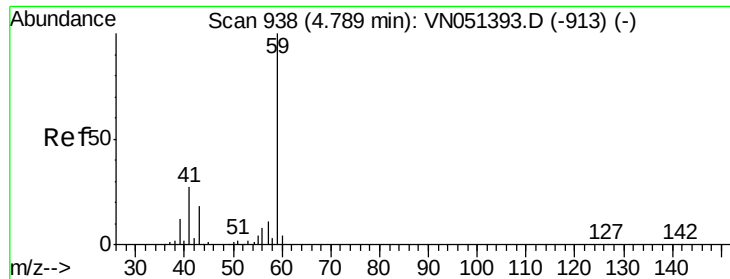
#10
Methyl Iodide
Concen: 13.640 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	102701		
127	43.5	33.2	49.8	
141	14.4	11.5	17.3	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





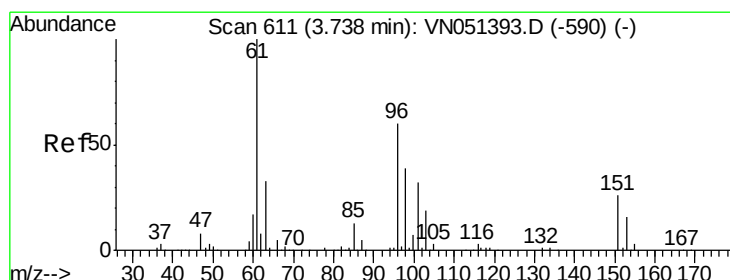
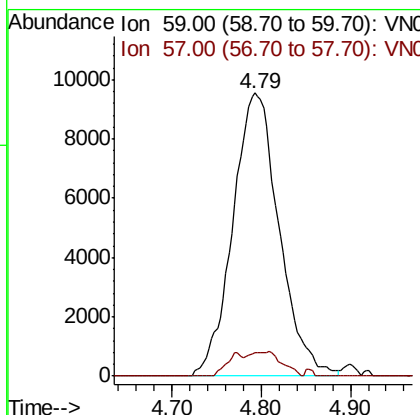
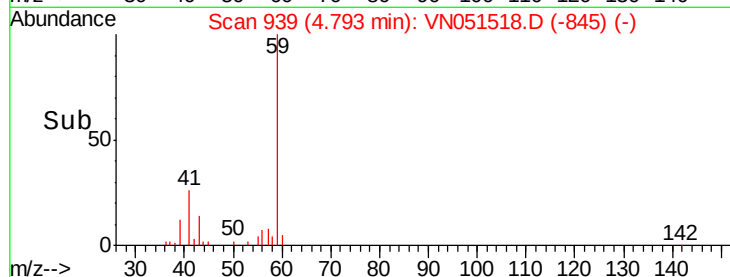
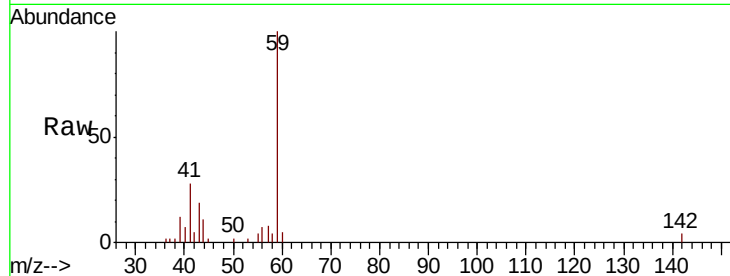
#11
Tert butyl alcohol
Concen: 102.544 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 59 Resp: 34421
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#

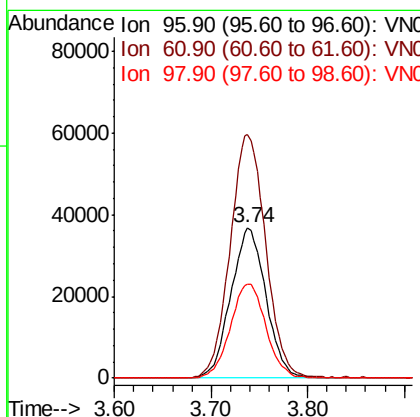
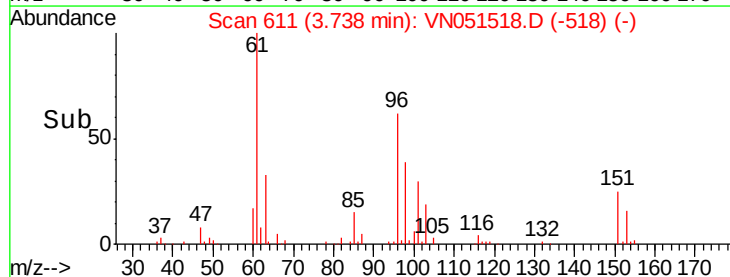
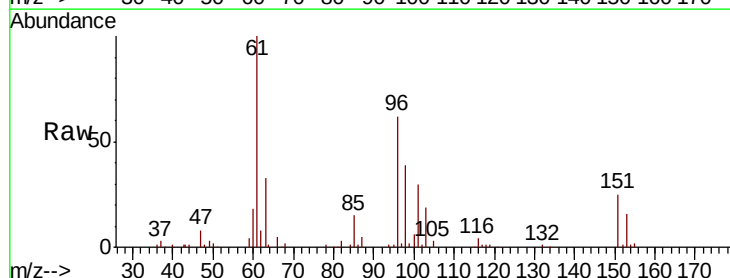
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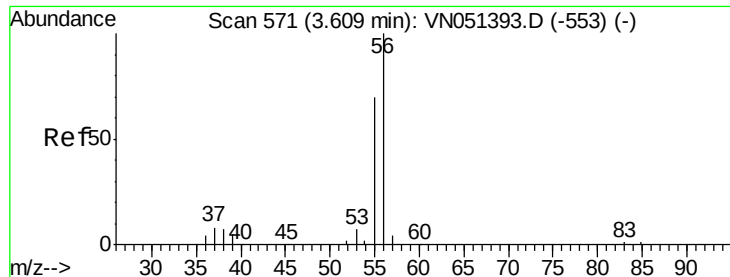
mmdadoda
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#12
1,1-Dichloroethene
Concen: 17.572 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 96 Resp: 92824
Ion Ratio Lower Upper
96 100
61 161.3 133.6 200.4
98 62.7 52.2 78.2





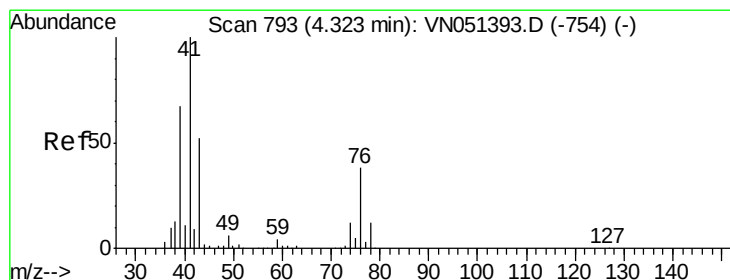
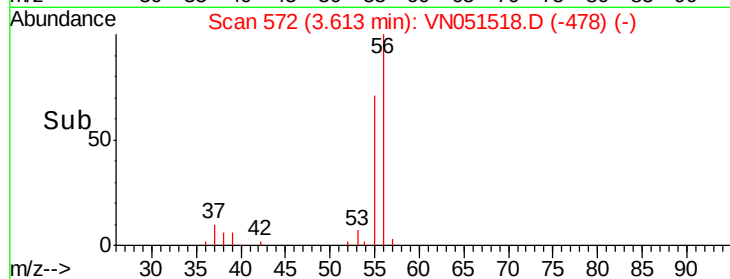
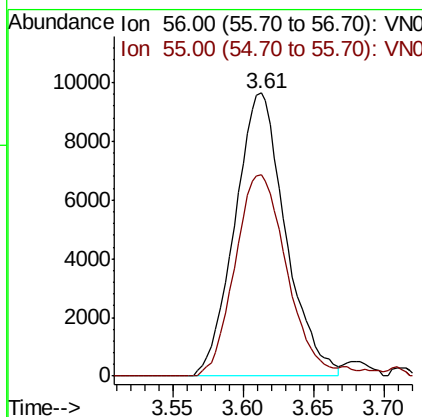
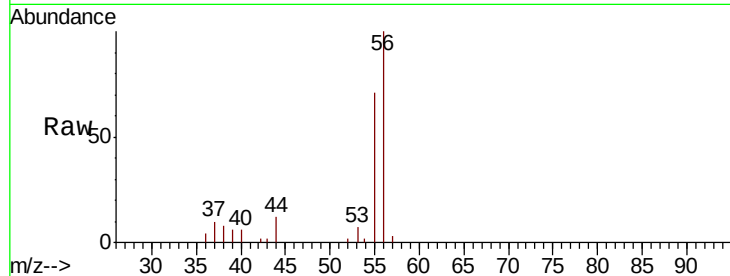
#13
Acrolein
Concen: 72.641 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.8	86.8

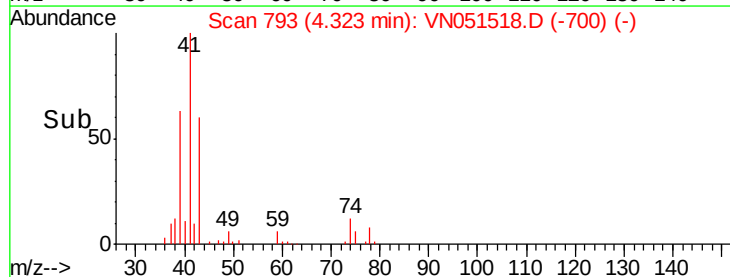
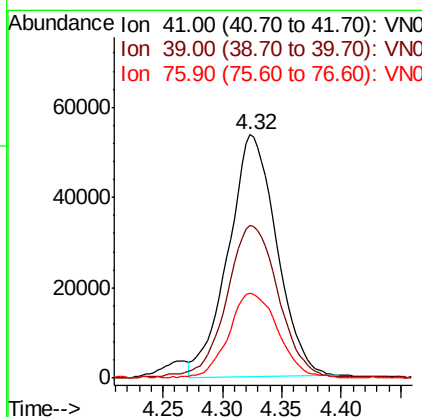
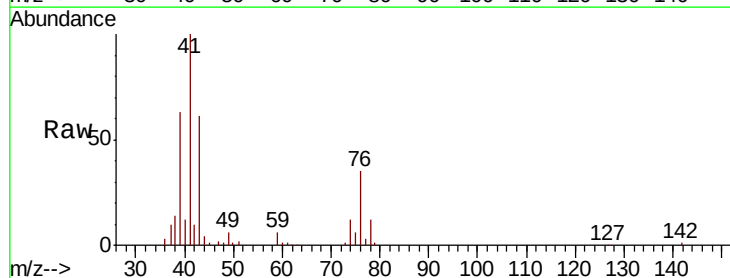
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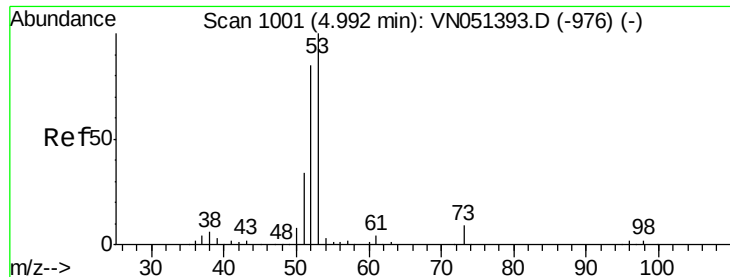
mmdadoda
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#14
Allyl chloride
Concen: 17.002 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.0	51.4	77.2
76	35.2	28.1	42.1





#15

Acrylonitrile

Concen: 100.546 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

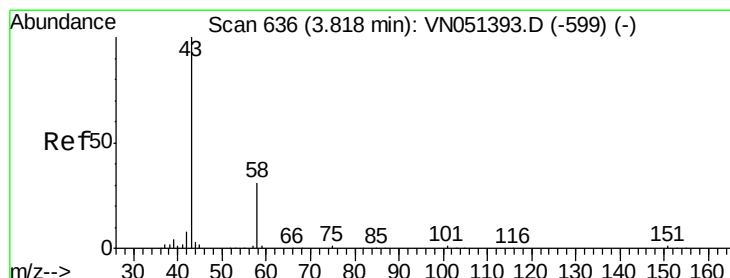
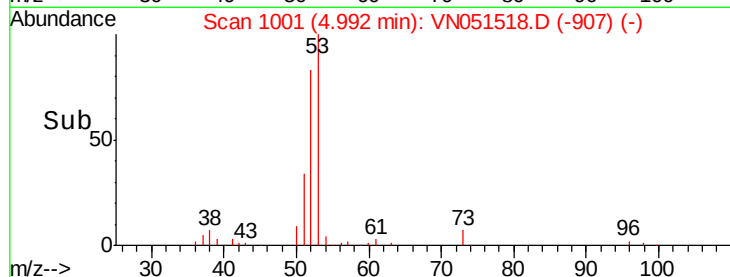
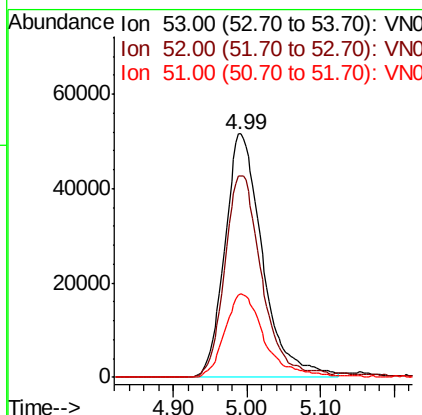
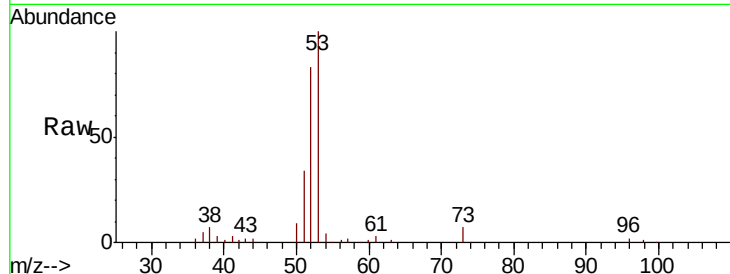
ClientSampleId :

VN0926WBSD02

Tgt Ion:	53	Resp:	183597
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.2	99.2
51	36.0	28.6	42.8

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#16

Acetone

Concen: 80.038 ug/l

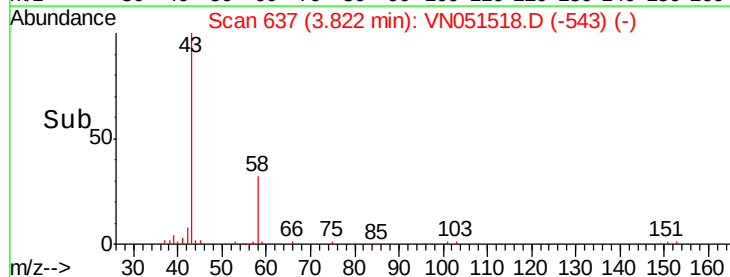
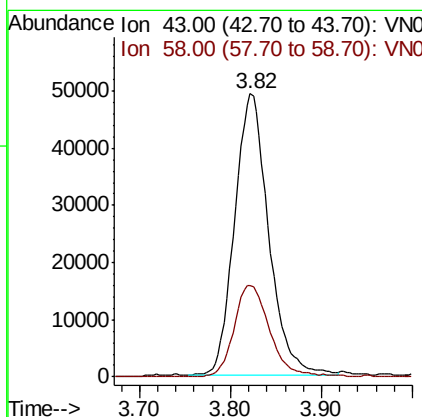
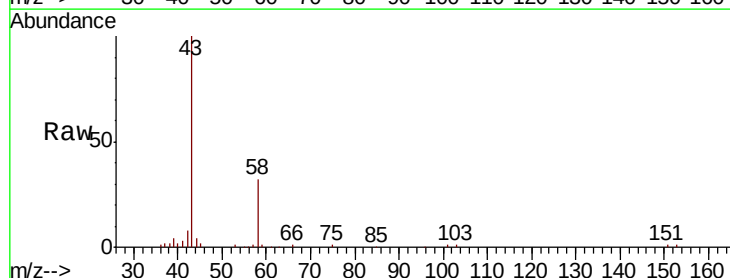
RT: 3.82 min Scan# 637

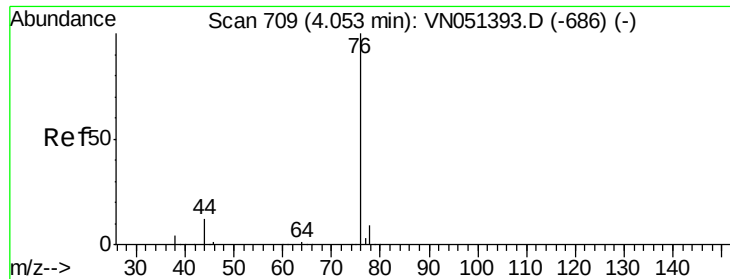
Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion:	43	Resp:	127406
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.0	37.4





#17

Carbon Disulfide

Concen: 16.816 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 76 Resp: 260987

Ion Ratio Lower Upper

76 100

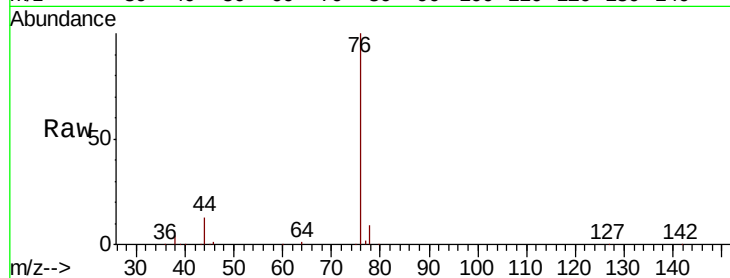
78 9.1 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

100000

80000

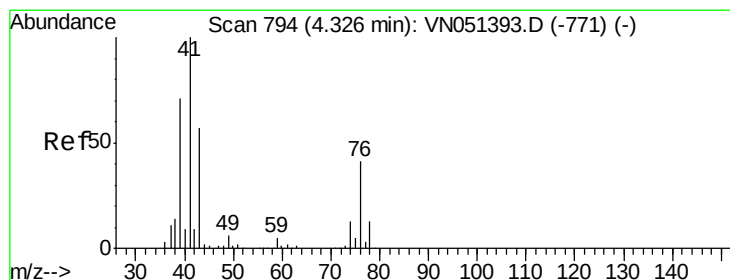
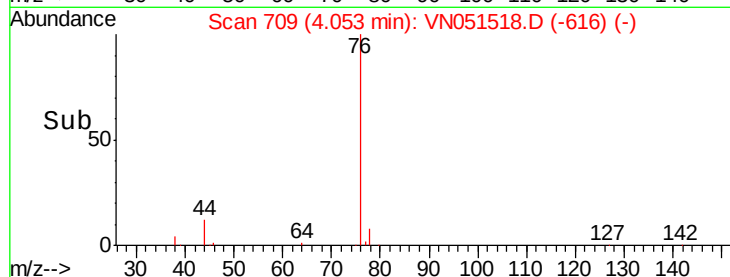
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 22.125 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051518.D

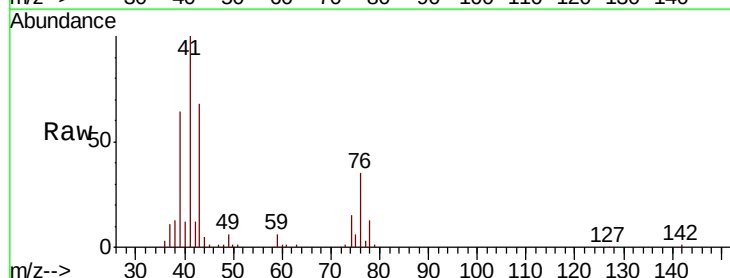
Acq: 26 Sep 2018 6:38

Tgt Ion: 43 Resp: 100219

Ion Ratio Lower Upper

43 100

74 22.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

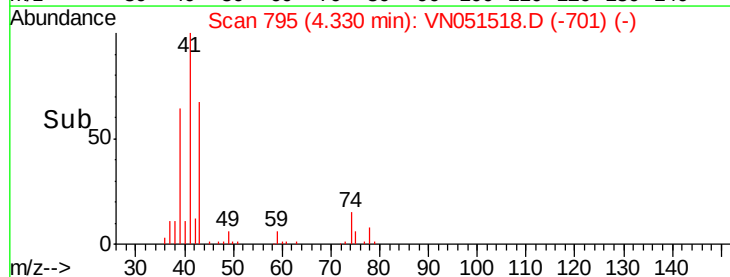
30000

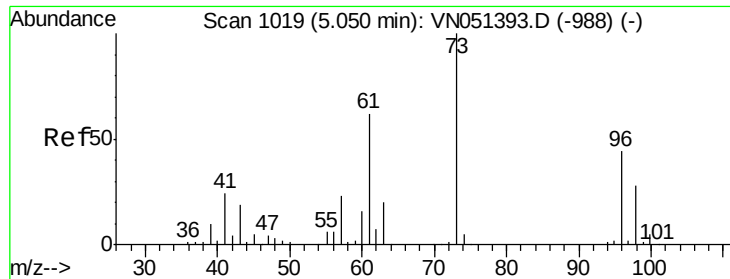
20000

10000

0

Time--> 4.20 4.30 4.40





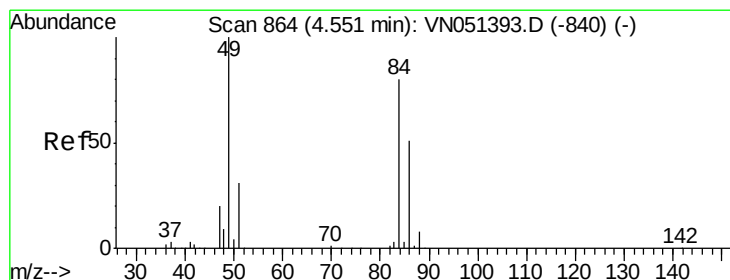
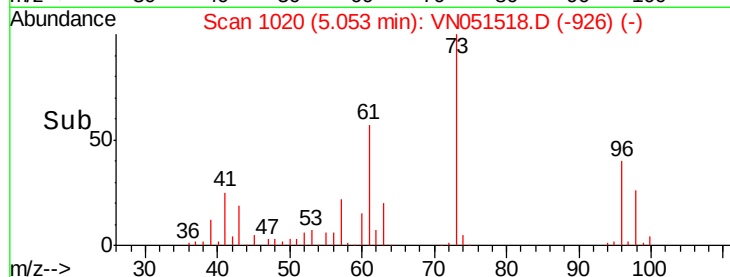
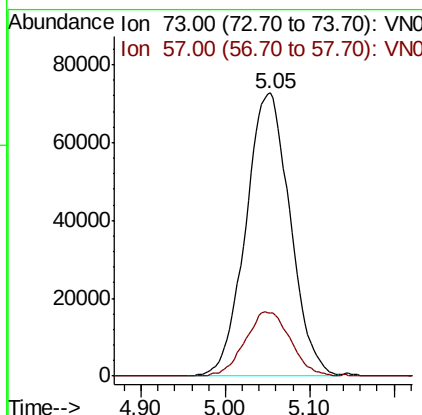
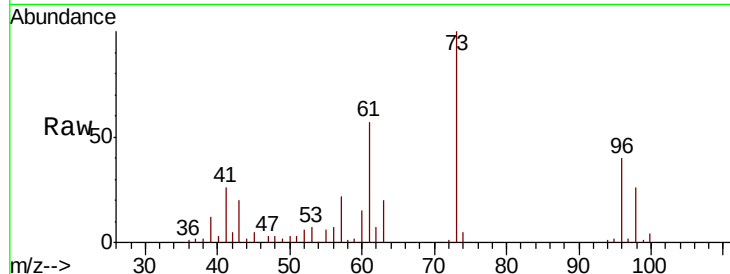
#19
Methyl tert-butyl Ether
Concen: 19.501 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 73 Resp: 265643
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

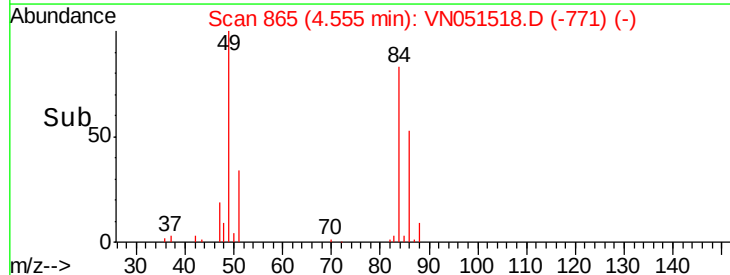
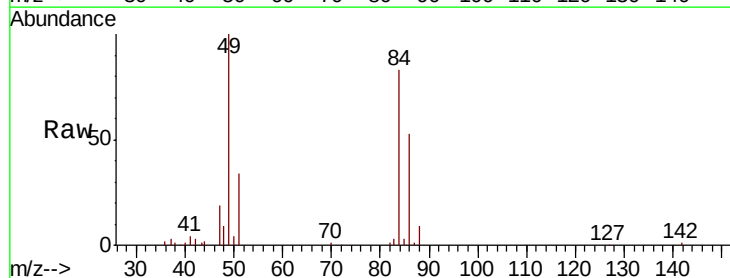
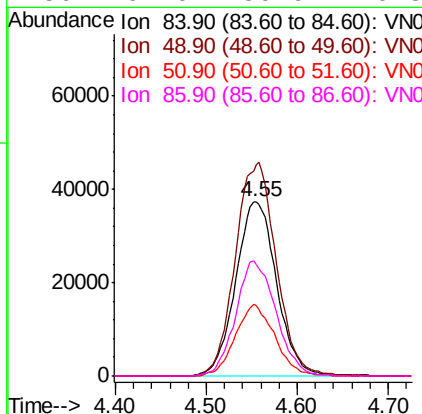
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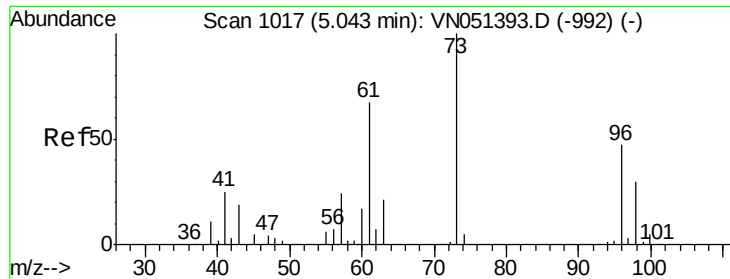
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#20
Methylene Chloride
Concen: 19.823 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 84 Resp: 116668
Ion Ratio Lower Upper
84 100
49 121.1 99.9 149.9
51 40.6 31.4 47.2
86 64.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.814 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

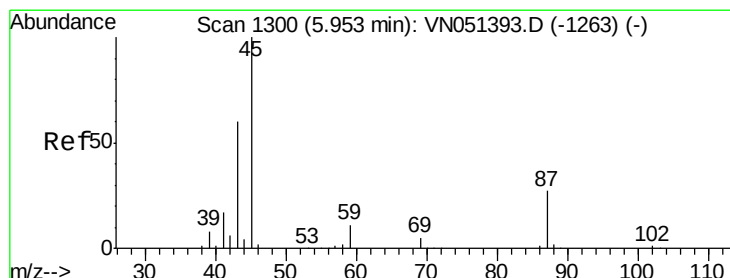
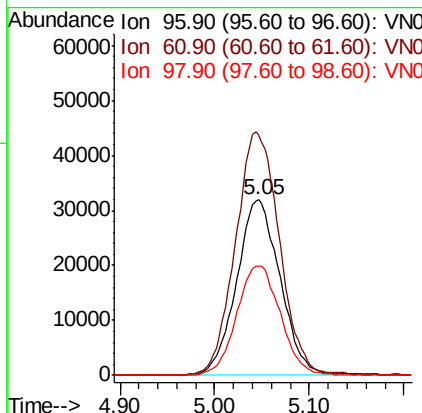
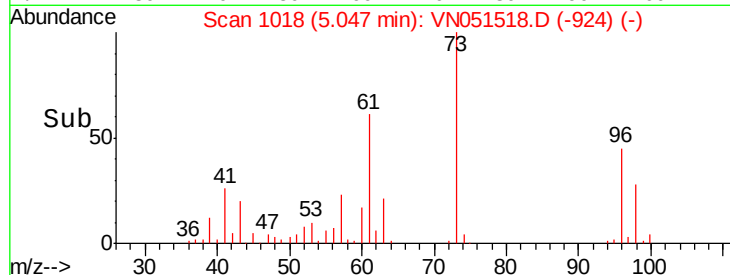
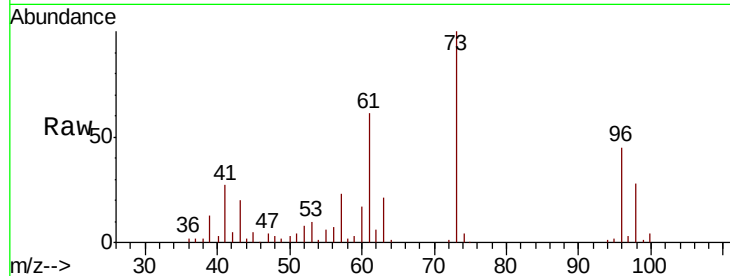
ClientSampleId :

VN0926WBSD02

Tgt Ion:	96	Resp:	101670
Ion	Ratio	Lower	Upper
96	100		
61	136.1	113.4	170.2
98	62.6	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.295 ug/l

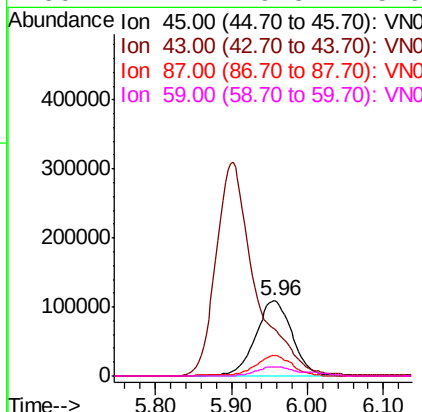
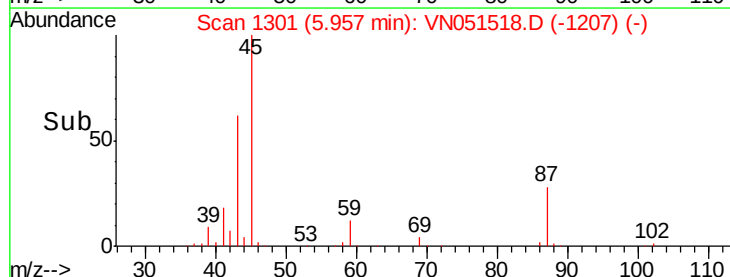
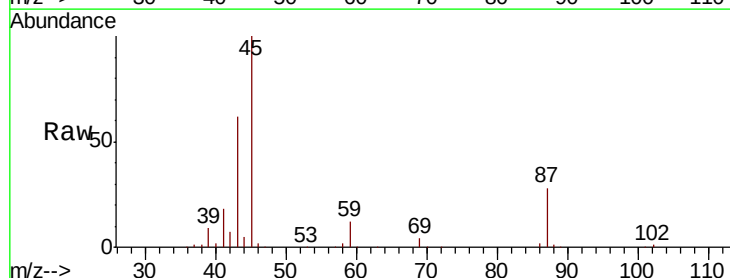
RT: 5.96 min Scan# 1301

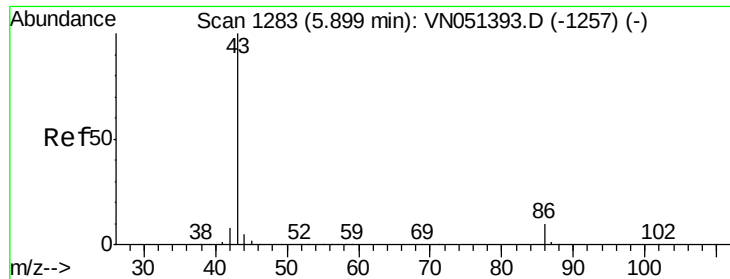
Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion:	45	Resp:	364822
Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.7	71.5
87	27.7	22.0	33.0
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 98.742 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 43 Resp: 1110614

Ion Ratio Lower Upper

43 100

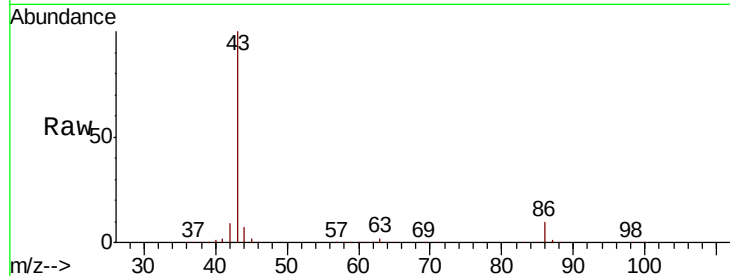
86 9.6 8.2 12.2

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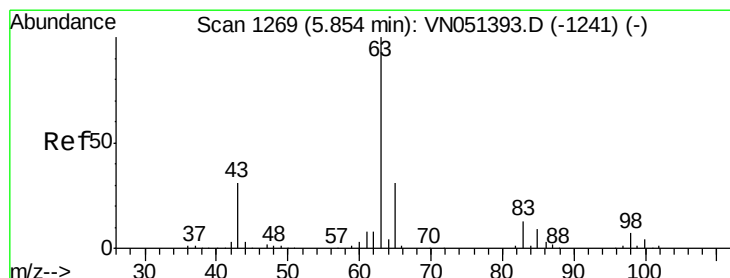
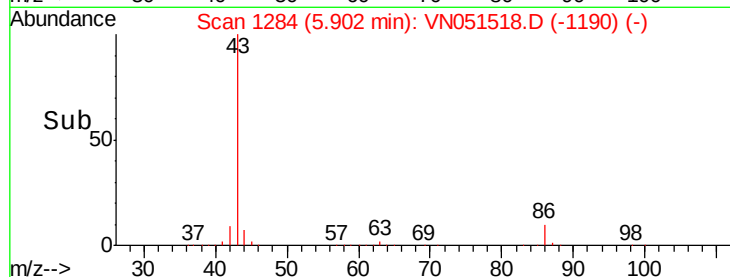
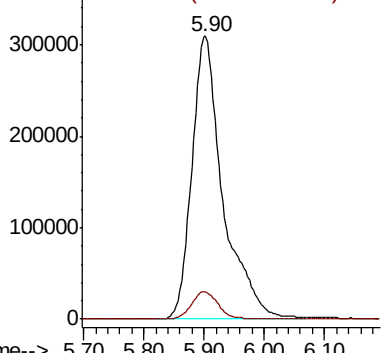
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.726 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

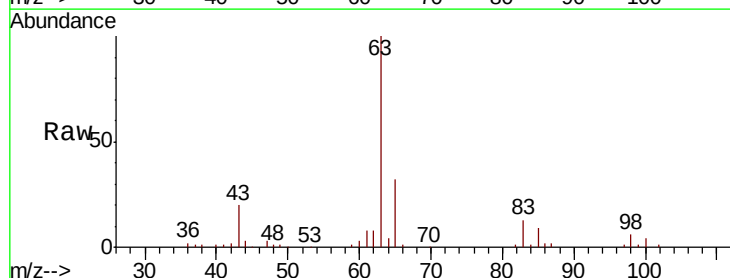
Tgt Ion: 63 Resp: 211864

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.1

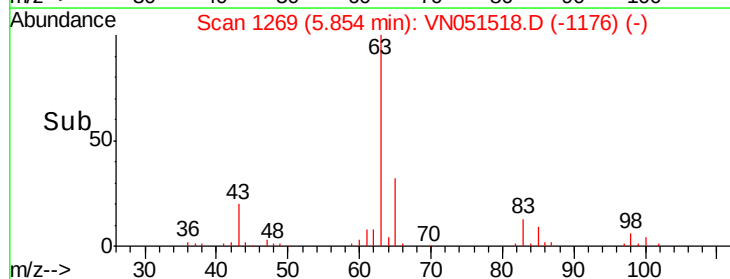
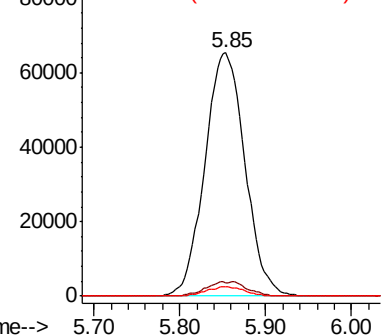
100 4.1 2.2 6.6

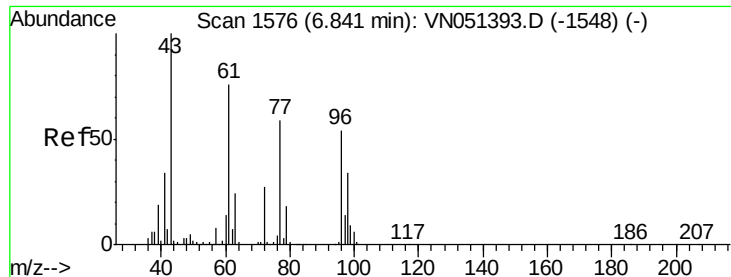


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.863 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 43 Resp: 199222

Ion Ratio Lower Upper

43 100

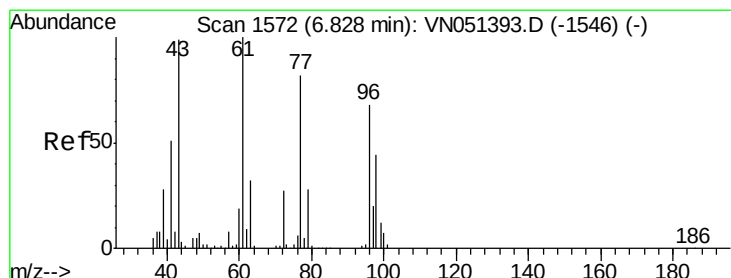
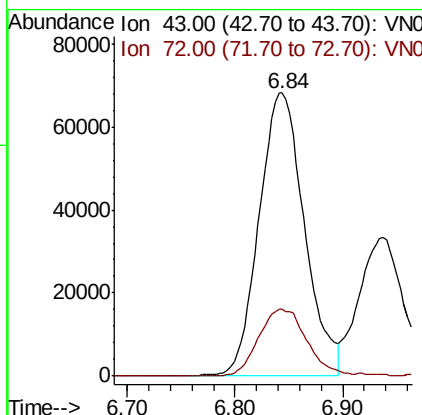
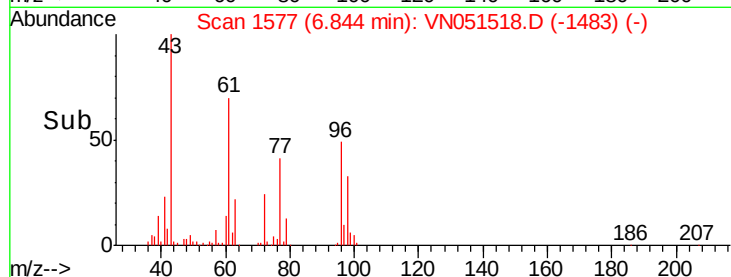
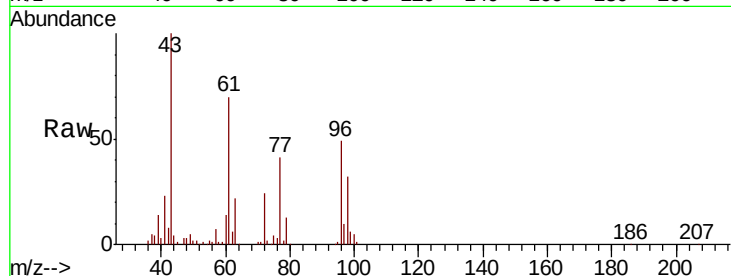
72 23.6 21.8 32.6

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#26

2,2-Dichloropropane

Concen: 14.817 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051518.D

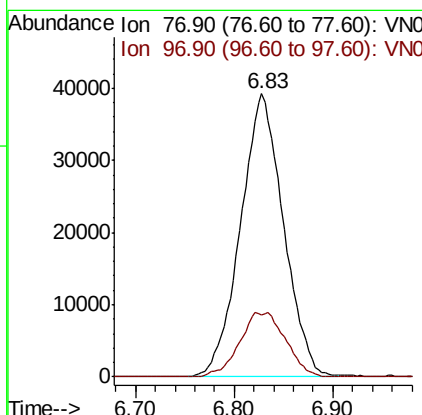
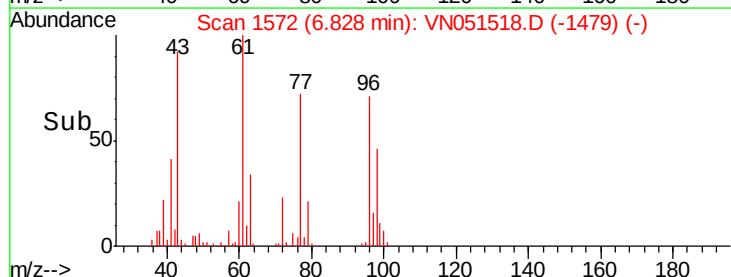
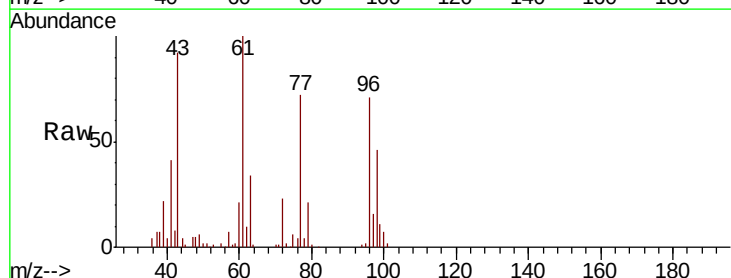
Acq: 26 Sep 2018 6:38

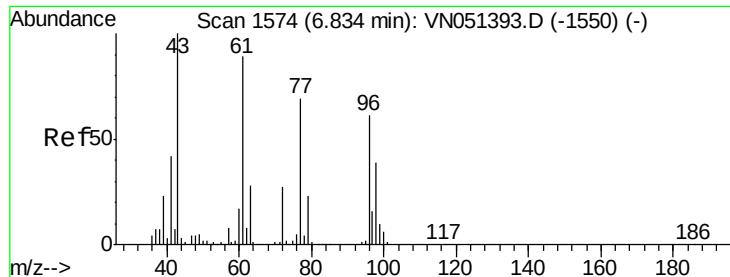
Tgt Ion: 77 Resp: 118227

Ion Ratio Lower Upper

77 100

97 12.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.516 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

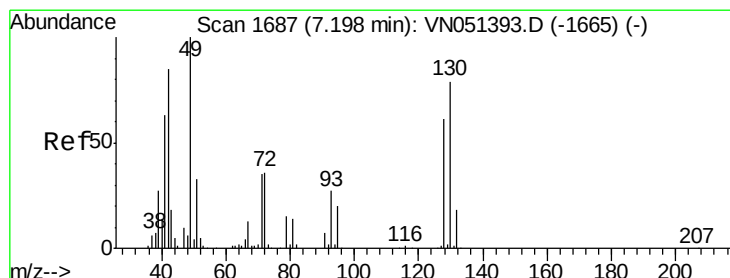
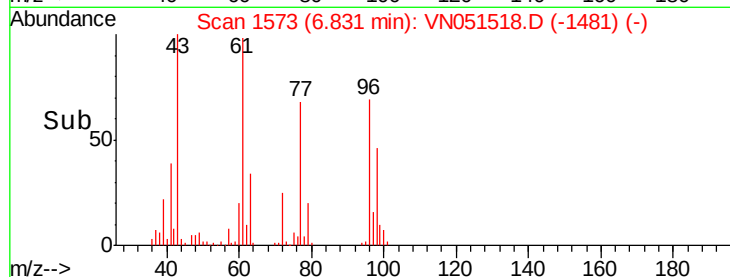
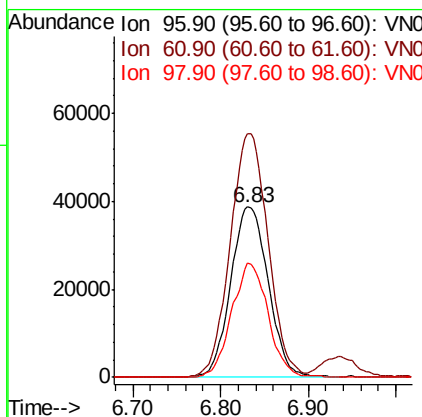
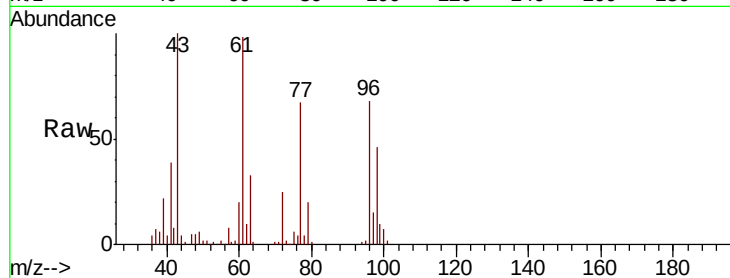
ClientSampleId :

VN0926WBSD02

Tgt Ion:	96	Resp:	115721
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	291.4
98	64.9	0.0	128.4

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#28

Bromochloromethane

Concen: 22.894 ug/l

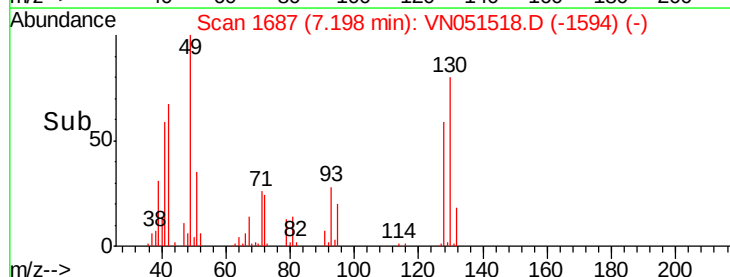
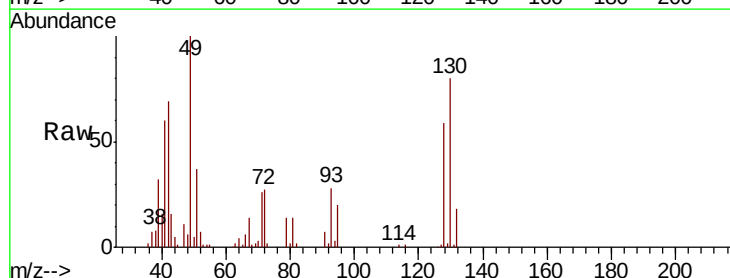
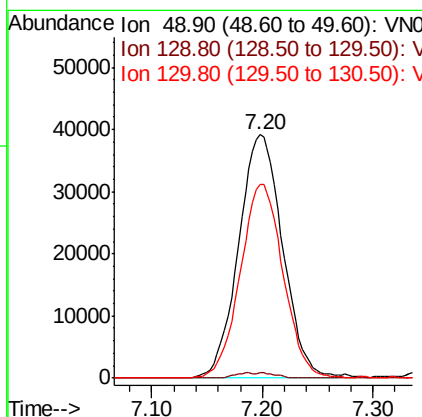
RT: 7.20 min Scan# 1687

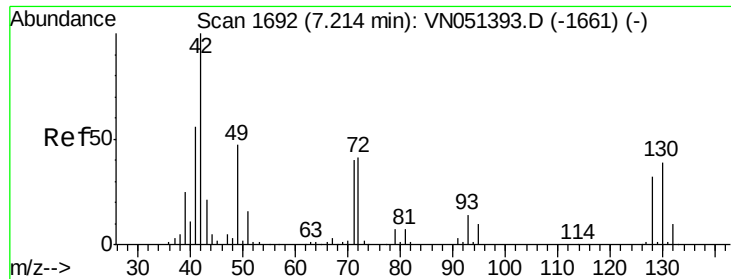
Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion:	49	Resp:	108069
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	77.6	63.0	94.4





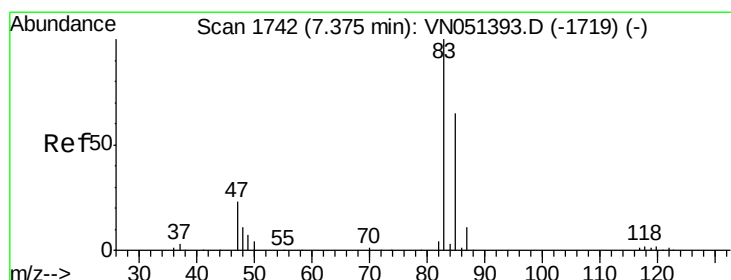
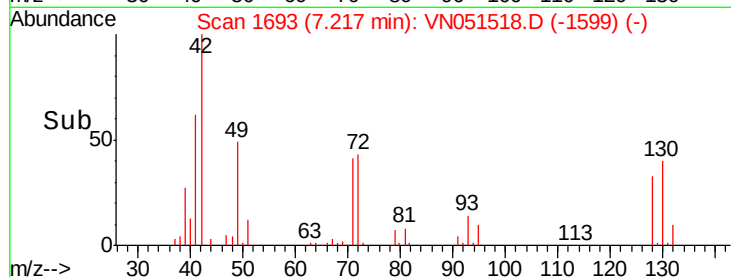
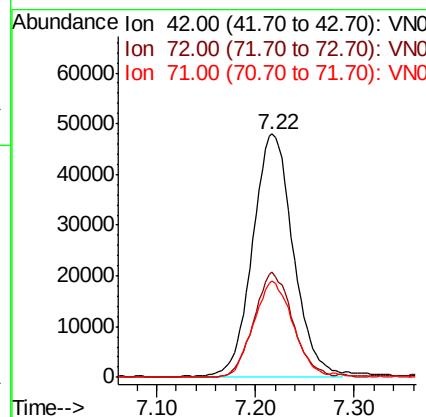
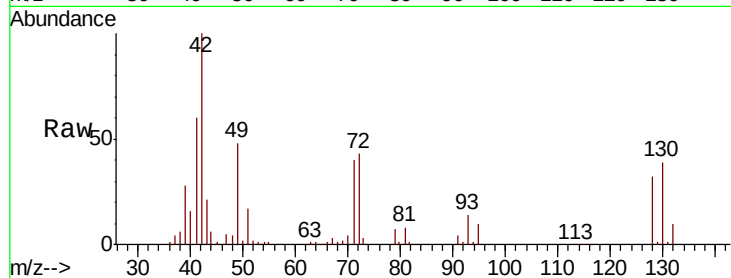
#29
Tetrahydrofuran
Concen: 104.650 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.3	51.5
71	38.8	32.2	48.4

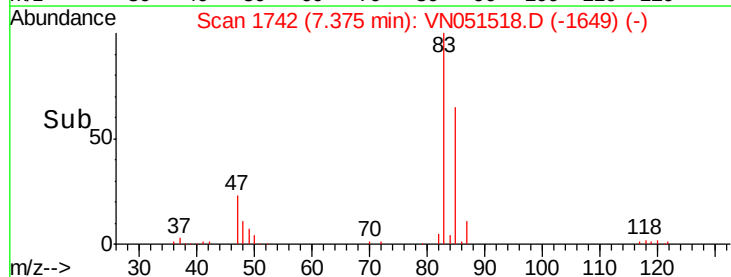
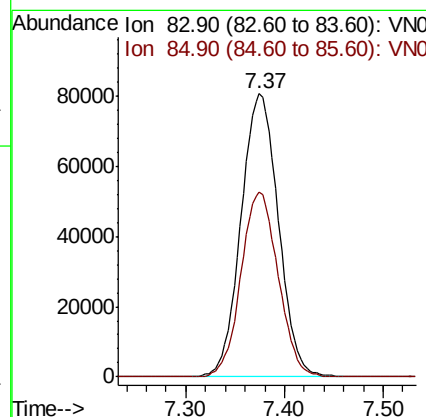
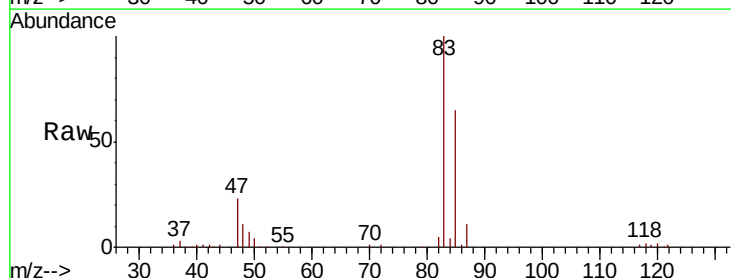
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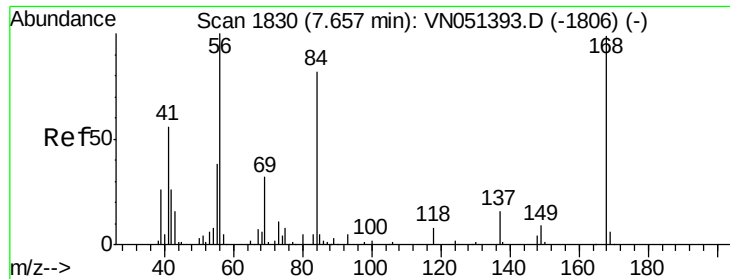
mmdadoda
9/30/2018 9:54:43 AM



#30
Chloroform
Concen: 20.897 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





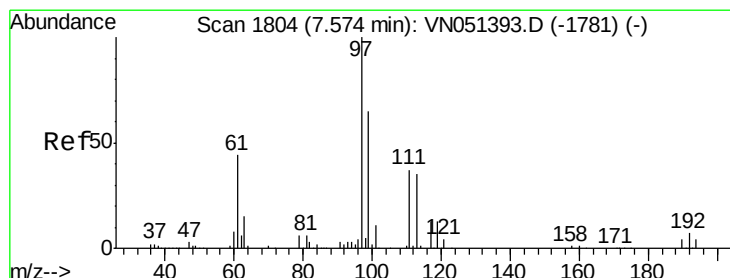
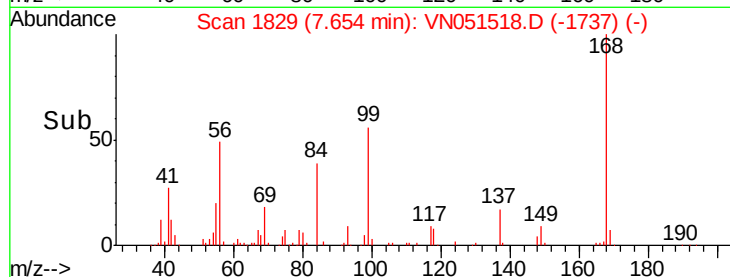
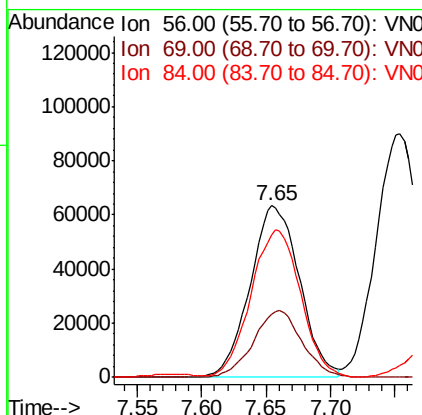
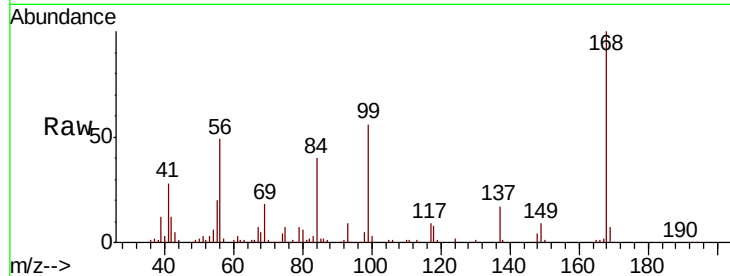
#31
Cyclohexane
Concen: 18.083 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.8	38.6
84	81.8	66.0	99.0

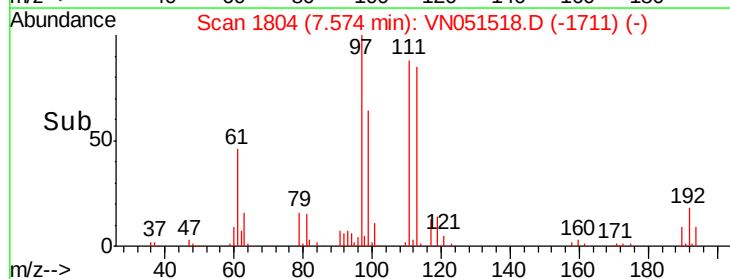
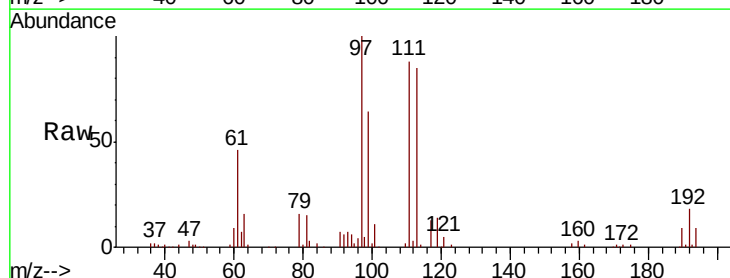
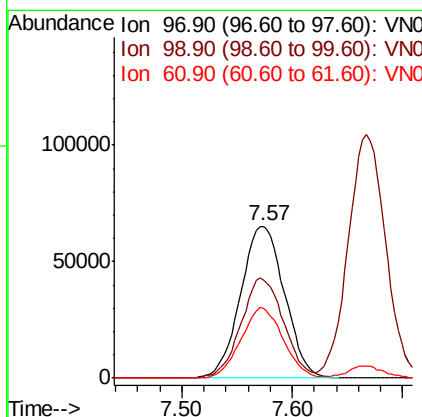
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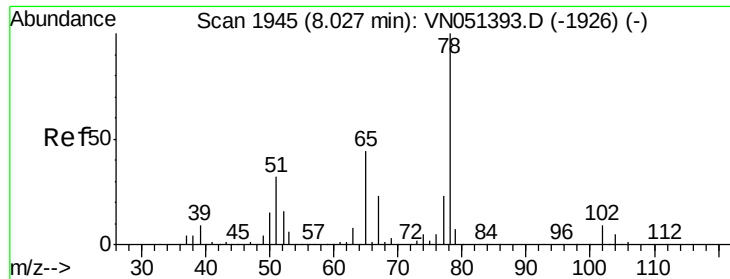
mmdadoda
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#32
1,1,1-Trichloroethane
Concen: 20.757 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	44.7	35.8	53.8





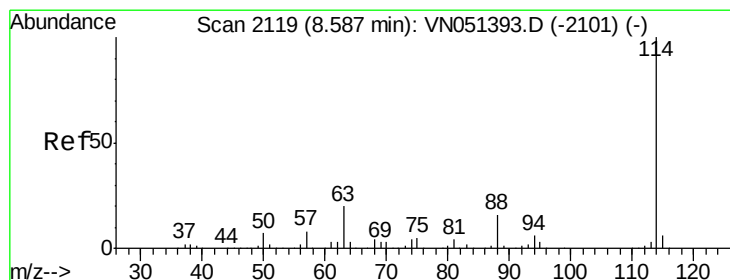
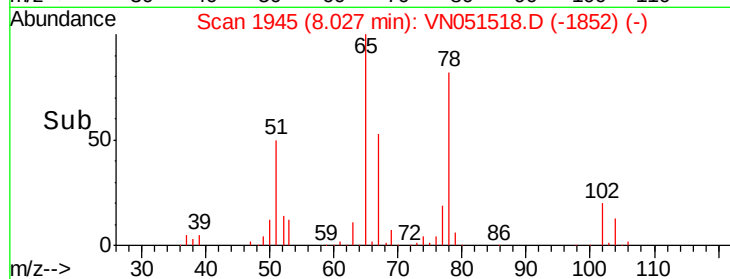
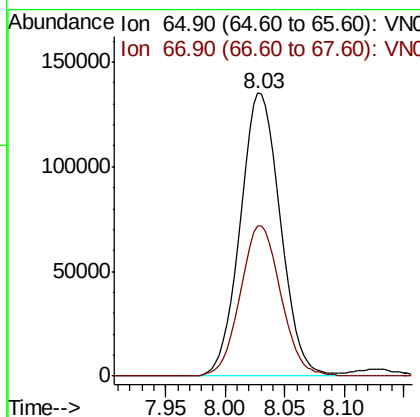
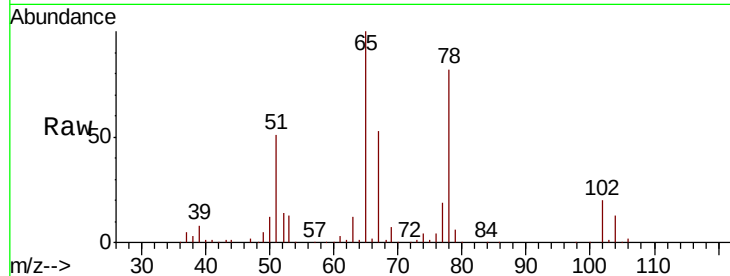
#33
 1,2-Dichloroethane-d4
 Concen: 53.193 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion: 65 Resp: 316371
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.8

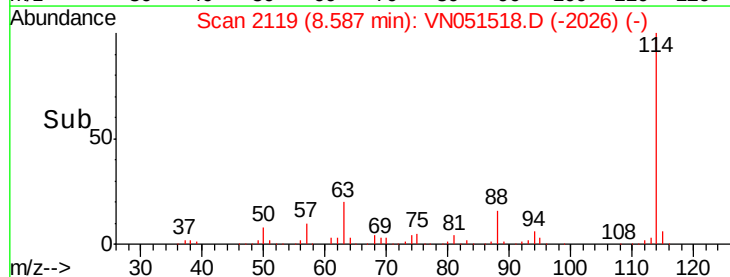
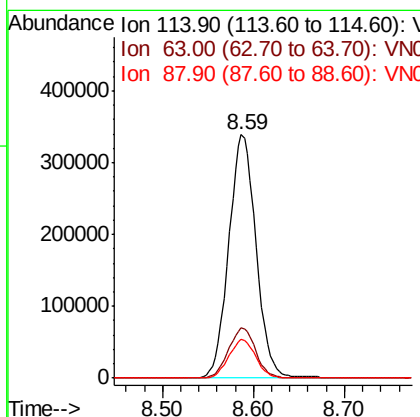
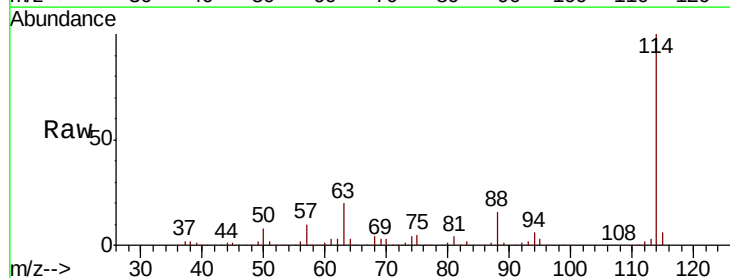
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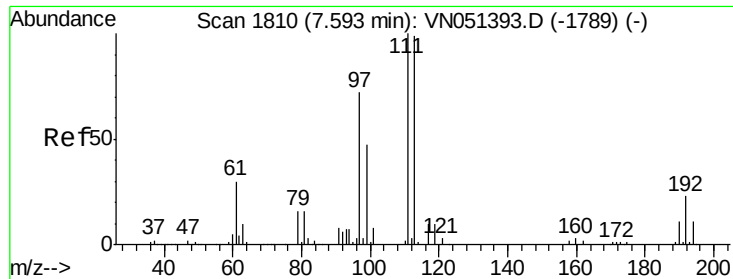
mmdadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 114 Resp: 707324
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.8 0.0 31.4





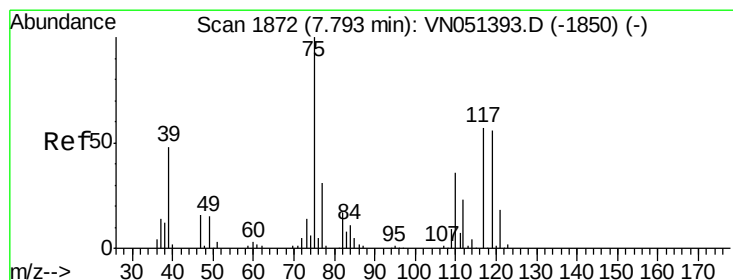
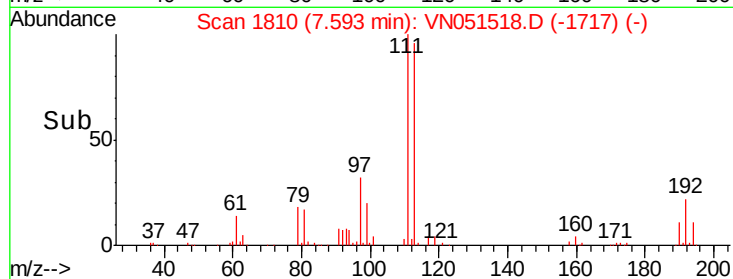
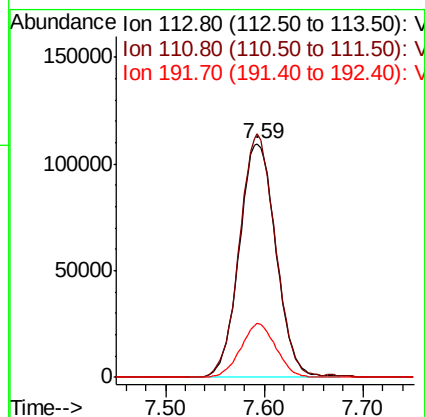
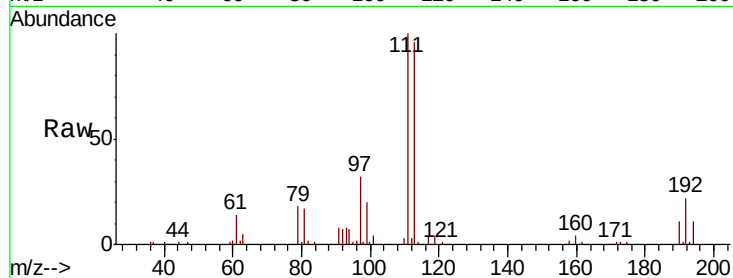
#35
 Dibromofluoromethane
 Concen: 49.901 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	282245		
111	101.4	82.6	123.8	
192	22.1	18.0	27.0	

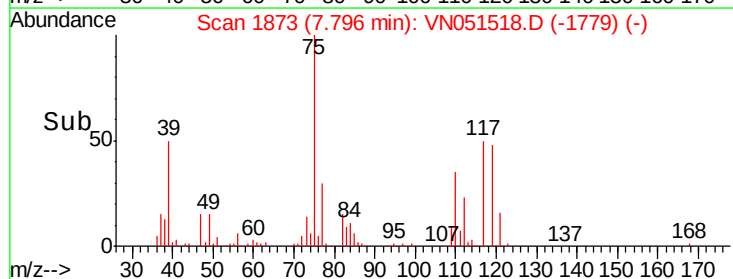
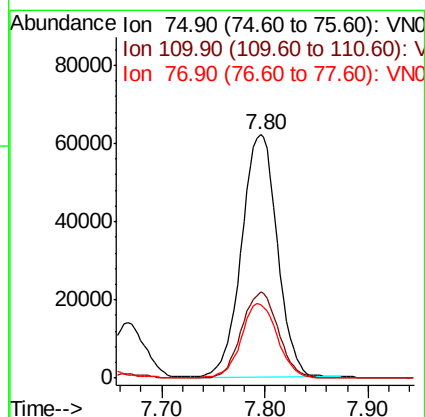
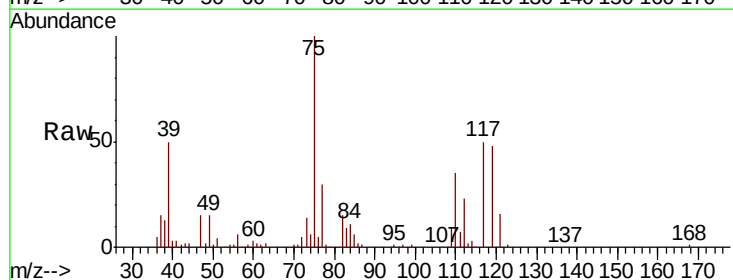
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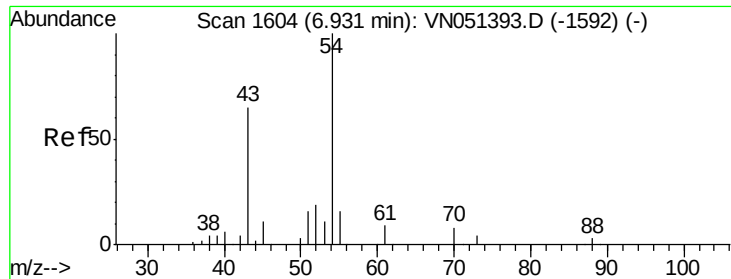
mmdadoda
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#36
 1,1-Dichloropropene
 Concen: 18.275 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	149688		
110	36.2	18.1	54.3	
77	31.1	25.6	38.4	





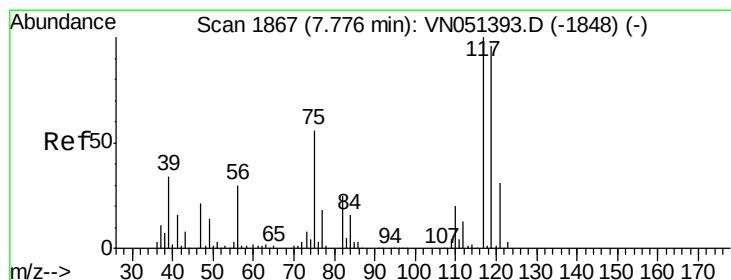
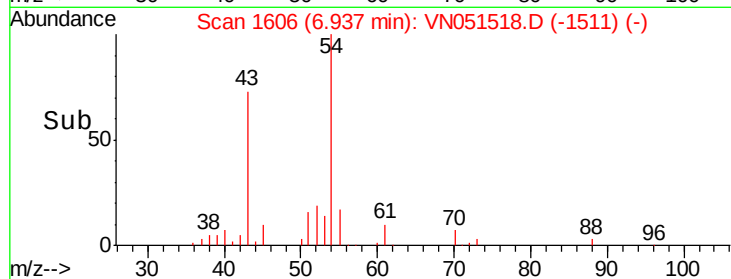
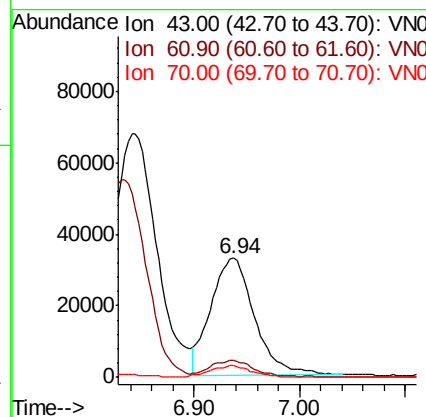
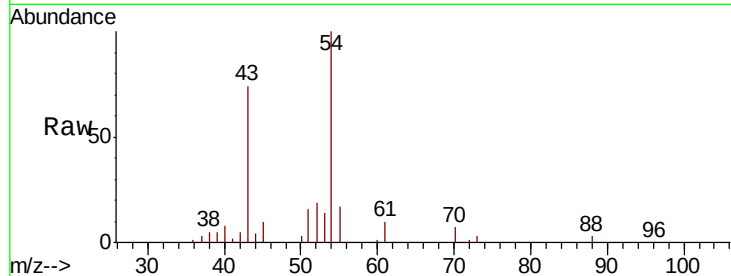
#37
Ethyl Acetate
Concen: 20.213 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	9.6	7.9	11.9

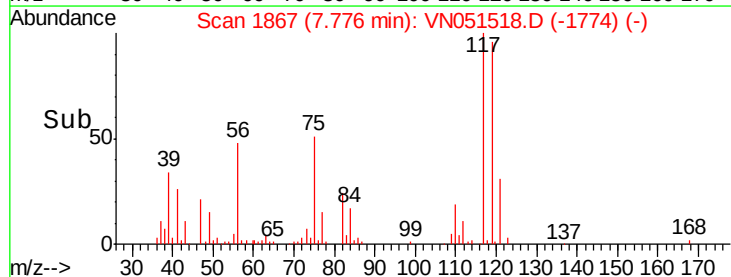
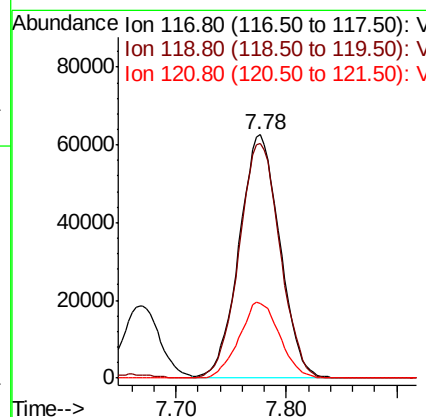
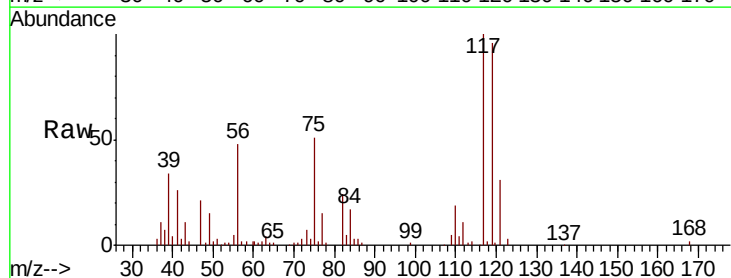
Manual Integrations
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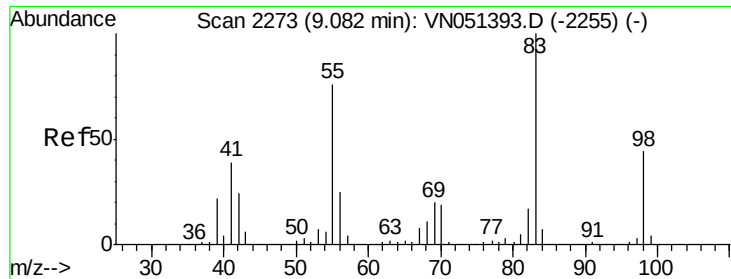
mmdadoda
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#38
Carbon Tetrachloride
Concen: 18.631 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.5	24.6	37.0





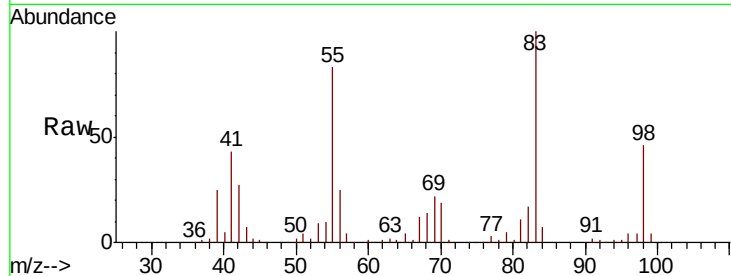
#39
Methylcyclohexane
Concen: 16.582 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	82.8	61.0	91.4
98	46.3	35.6	53.4

Manual Integrations
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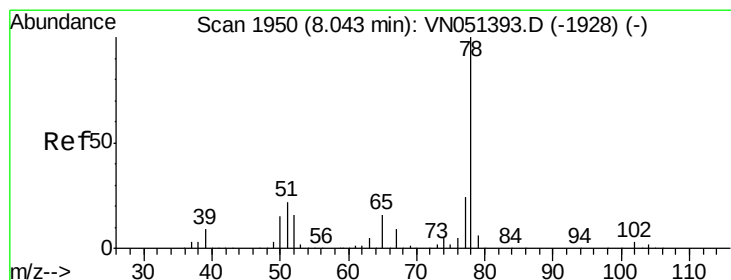
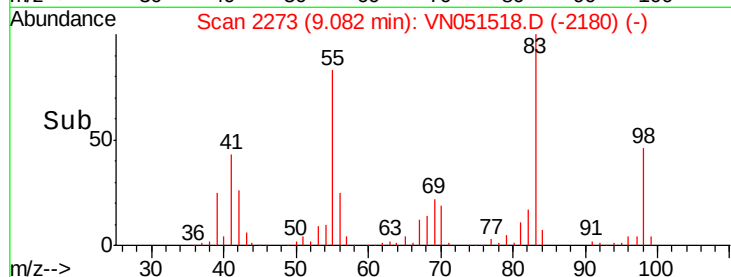
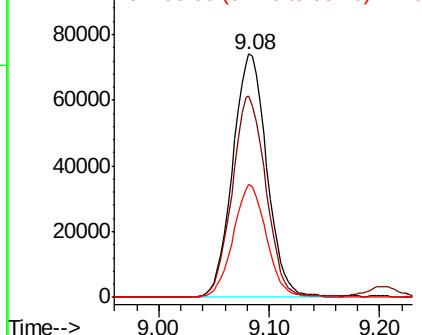


Abundance

Ion 83.00 (82.70 to 83.70): VN0

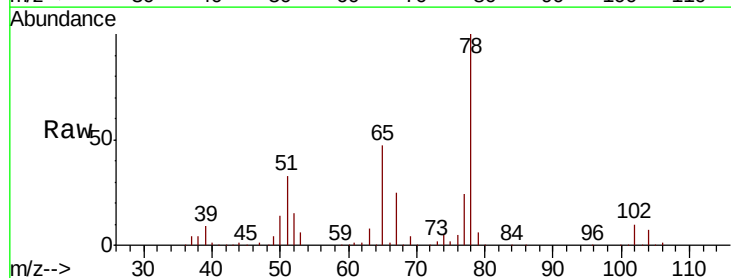
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.140 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

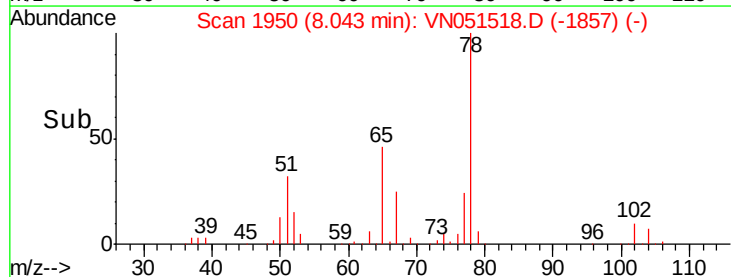
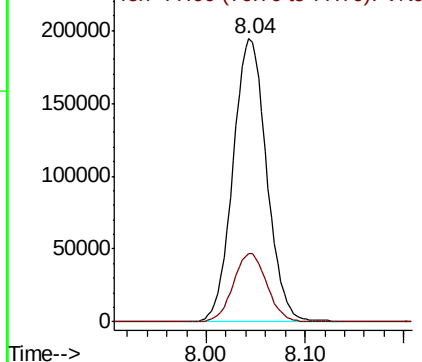
Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	24.2	19.2	28.8

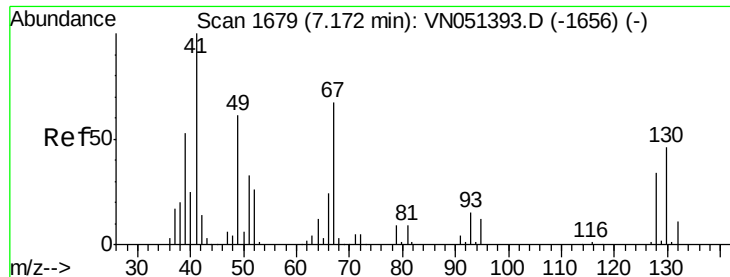


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 17.608 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 41 Resp: 45878
Ion Ratio Lower Upper

41 100

39 62.2 51.4 77.2

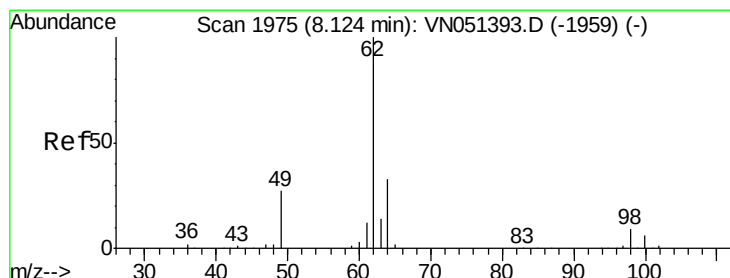
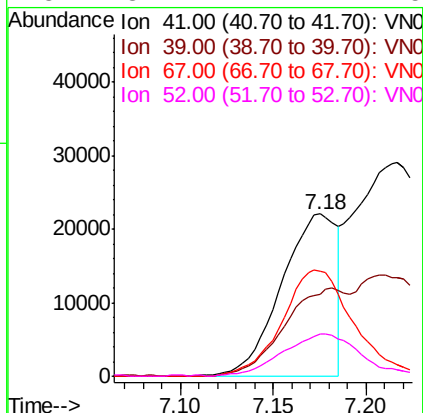
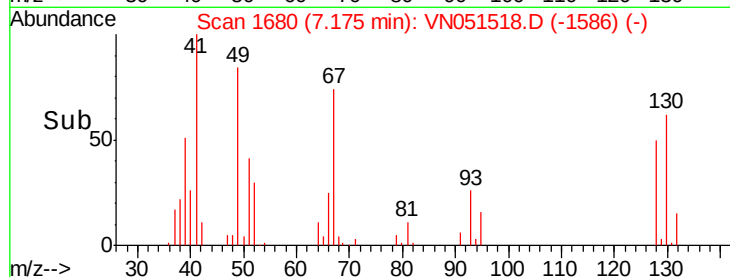
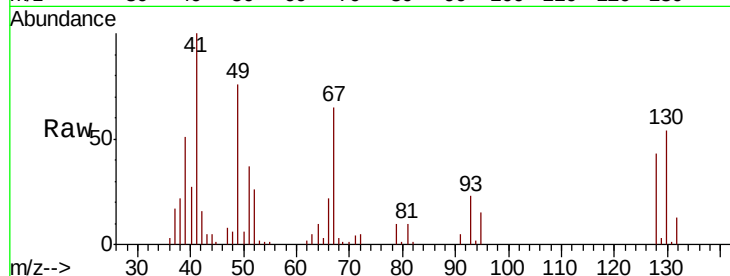
67 85.5 66.8 100.2

52 37.4 27.7 41.5

Manual Integrations
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mmdadoda

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#42

1,2-Dichloroethane

Concen: 19.754 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

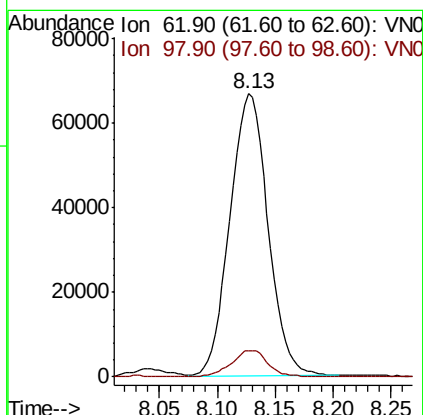
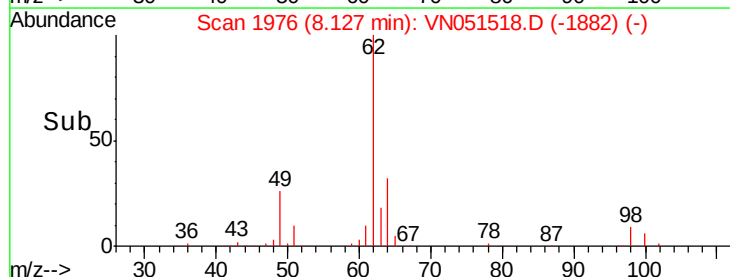
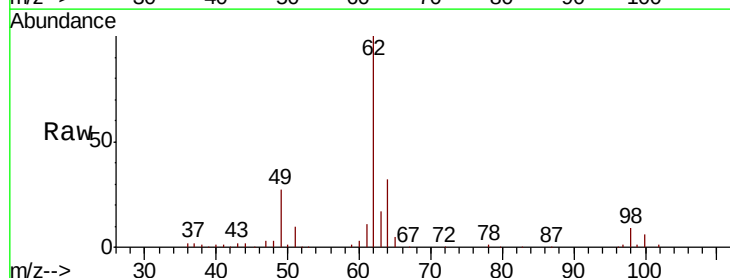
Lab File: VN051518.D

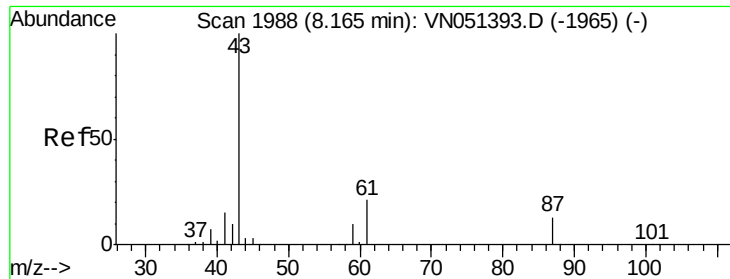
Acq: 26 Sep 2018 6:38

Tgt Ion: 62 Resp: 152126
Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.6





#43

Isopropyl Acetate

Concen: 20.673 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleID :

VN0926WBSD02

Tgt Ion: 43 Resp: 176049
Ion Ratio Lower Upper

43 100

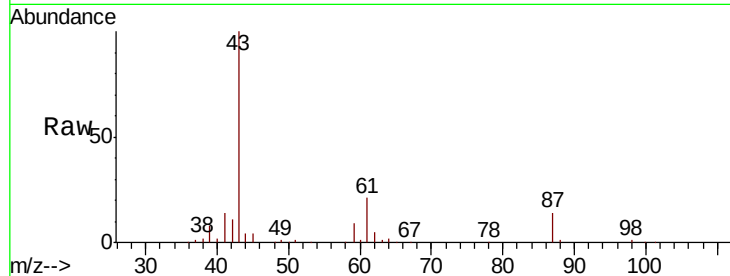
61 27.9 16.8 25.2#

87 12.7 10.7 16.1

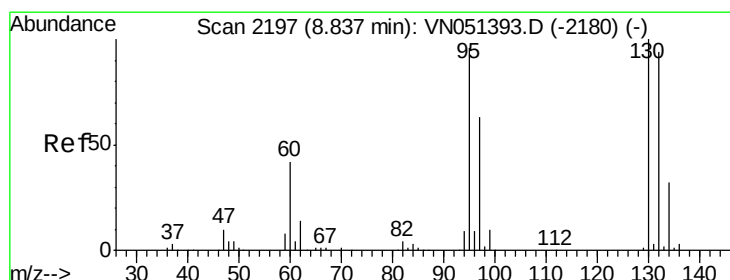
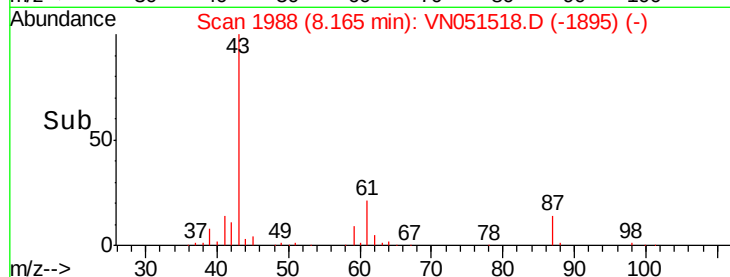
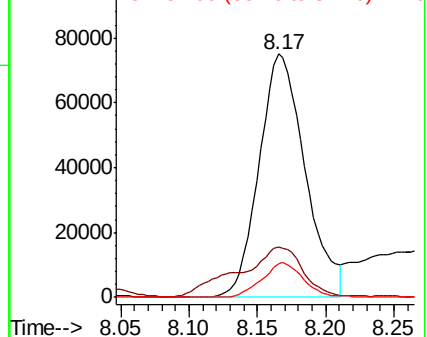
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.462 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

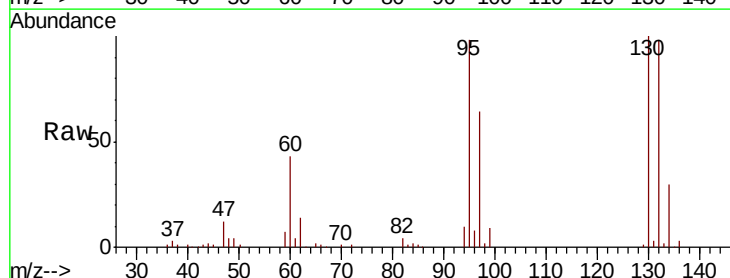
Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

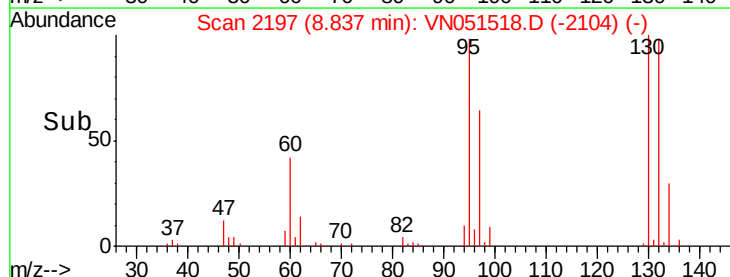
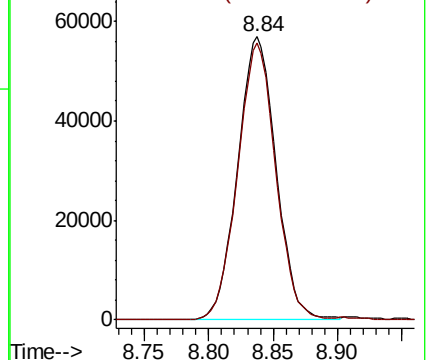
Tgt Ion: 130 Resp: 117935
Ion Ratio Lower Upper

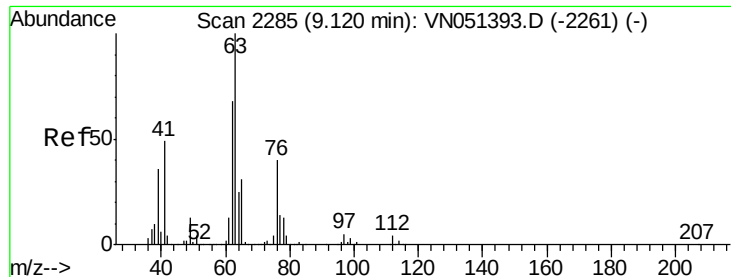
130 100

95 97.8 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





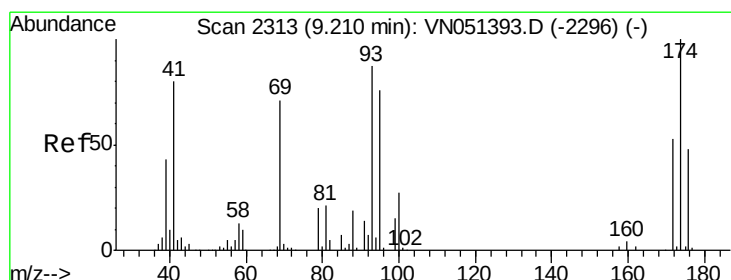
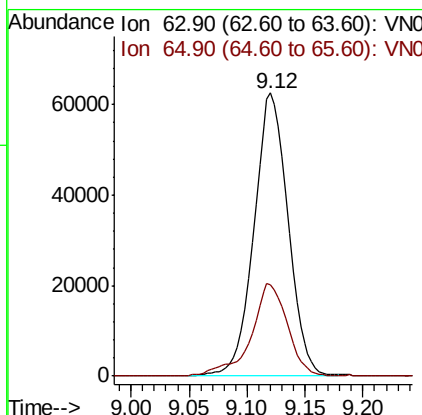
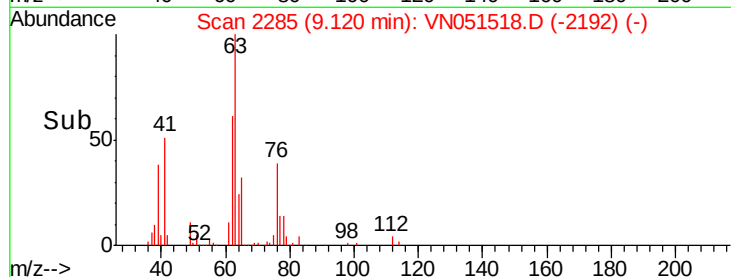
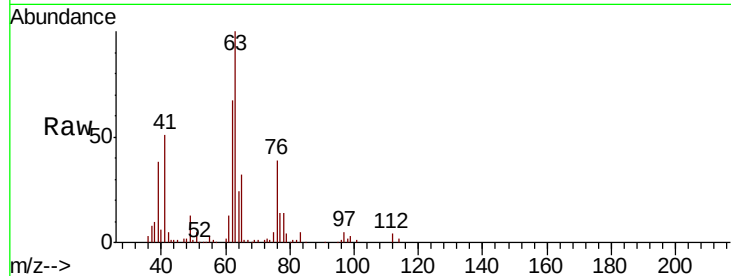
#45
 1,2-Dichloropropane
 Concen: 19.661 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.9	37.3

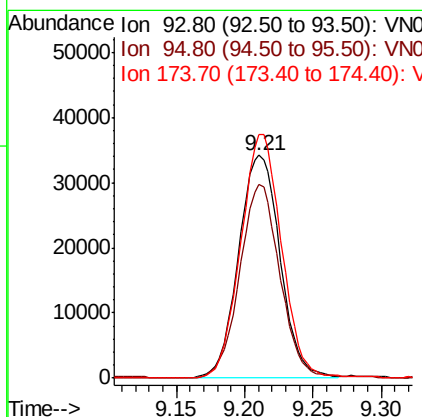
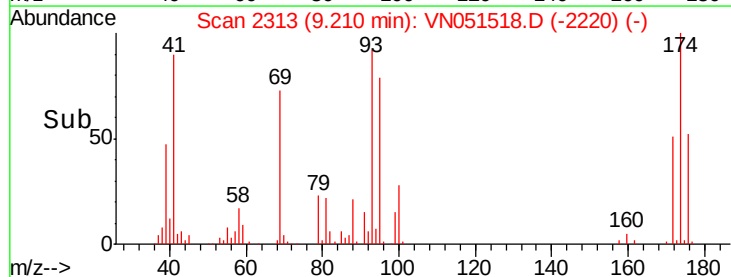
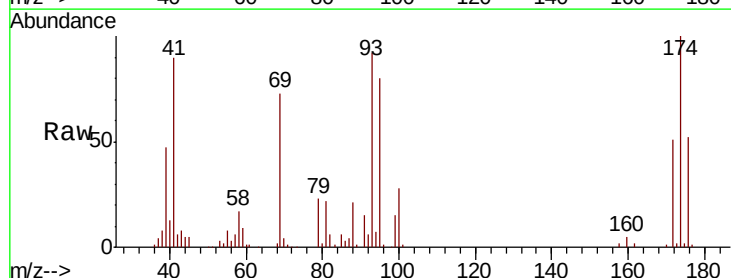
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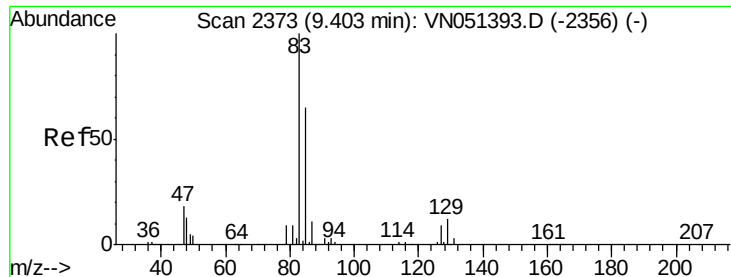
mmdadoda
 9/30/2018 9:54:43 AM



#46
 Dibromomethane
 Concen: 19.597 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.6	101.4
174	107.7	89.6	134.4





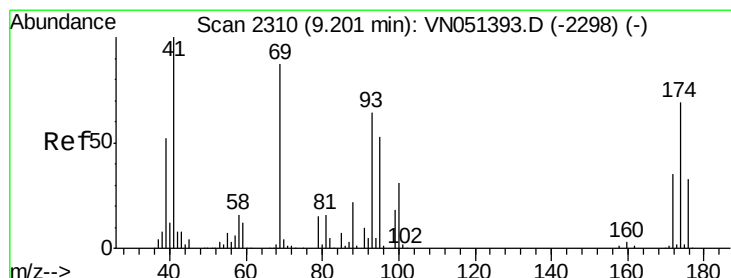
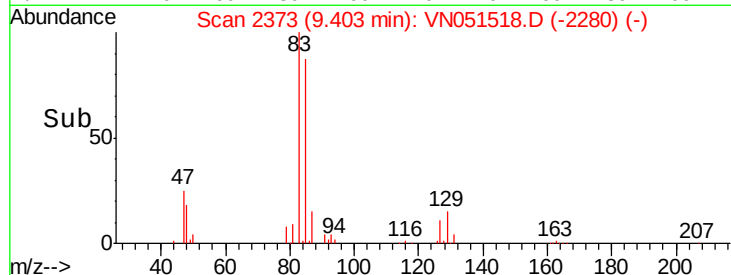
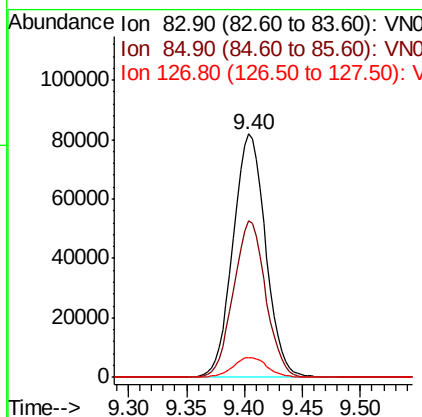
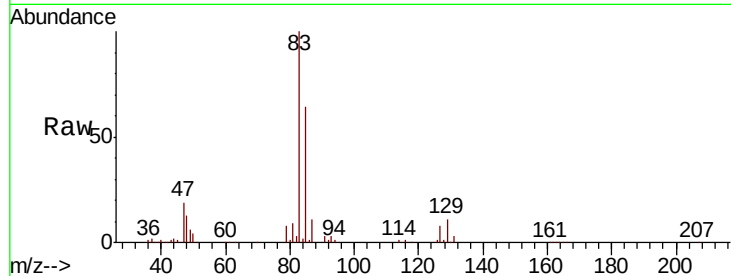
#47
Bromodichloromethane
Concen: 19.601 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	8.1	7.4	11.2

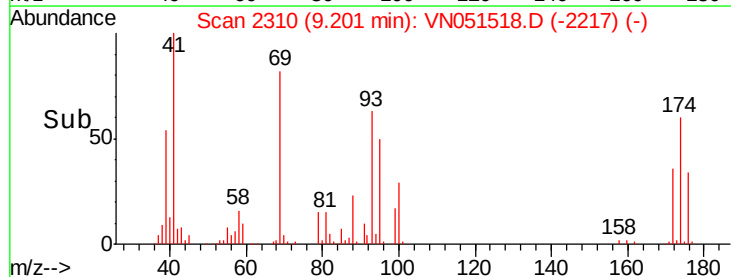
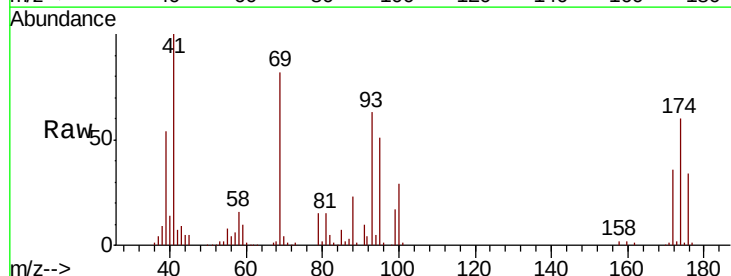
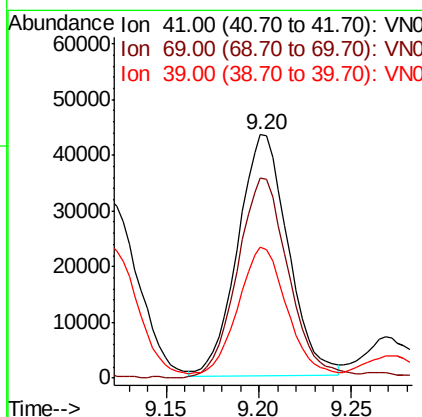
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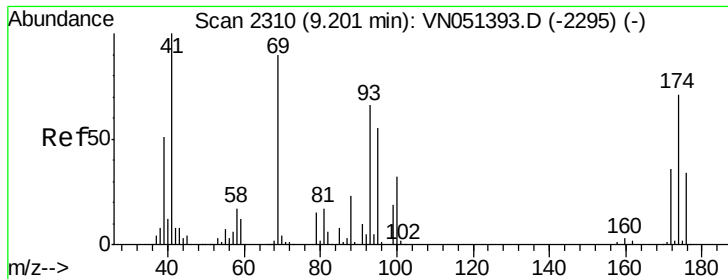
mmdadoda
9/30/2018 9:54:43 AM



#48
Methyl methacrylate
Concen: 19.263 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.5	70.4	105.6
39	53.1	43.8	65.8





#49

1,4-Dioxane

Concen: 391.489 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

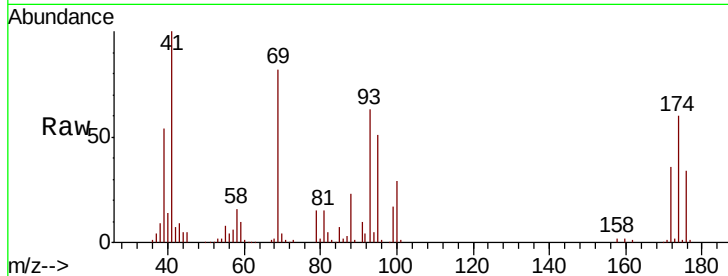
ClientSampleId :

VN0926WBSD02

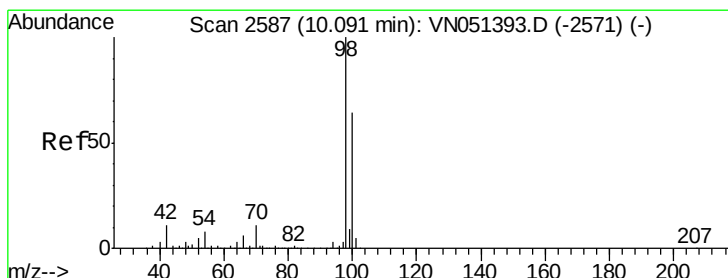
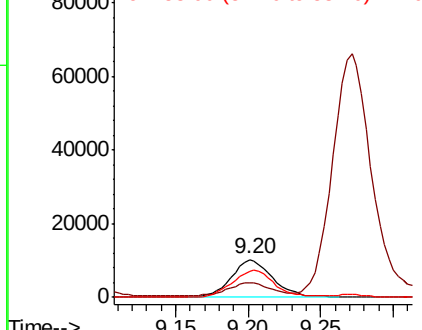
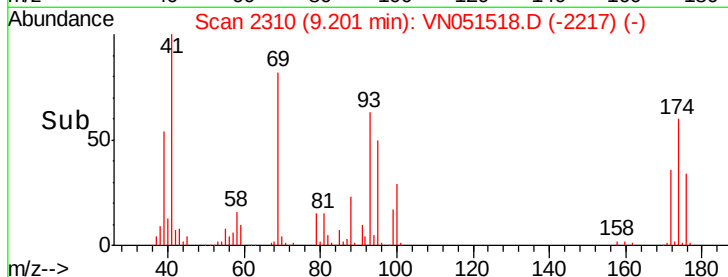
Tgt Ion:	88	Resp:	20371
Ion	Ratio	Lower	Upper
88	100		
43	34.9	25.9	38.9
58	71.9	57.0	85.4

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Abundance Ion 88.00 (87.70 to 88.70): VN051518.D (-2217) (-)



#50

Toluene-d8

Concen: 48.324 ug/l

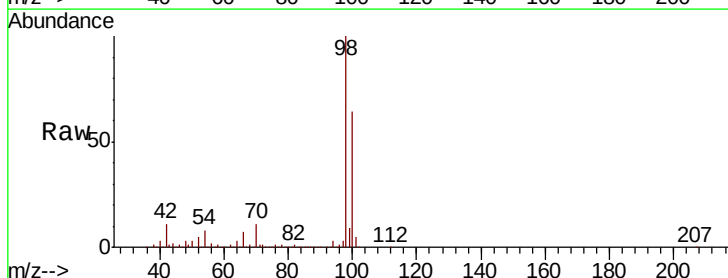
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

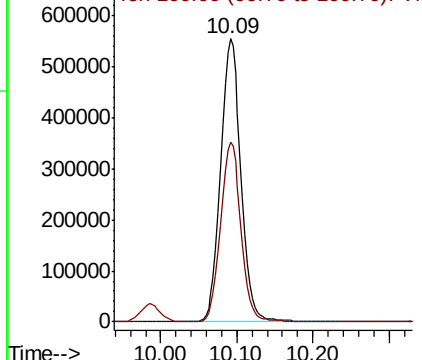
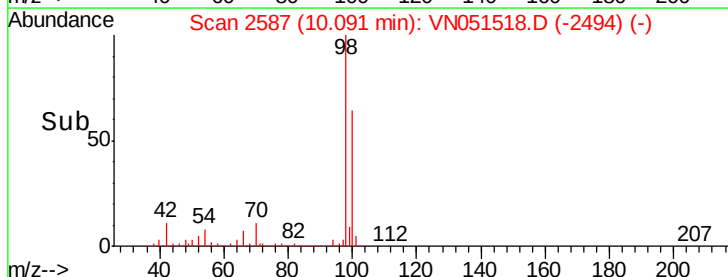
Lab File: VN051518.D

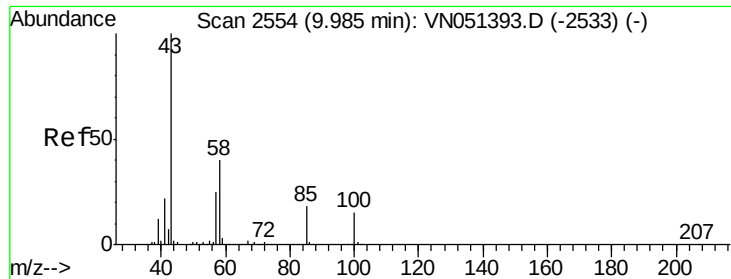
Acq: 26 Sep 2018 6:38

Tgt Ion:	98	Resp:	1029255
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051518.D (-2494) (-)





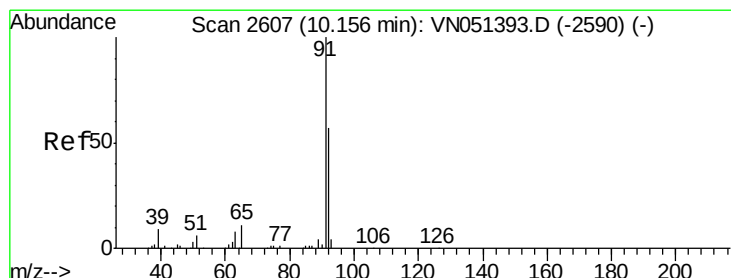
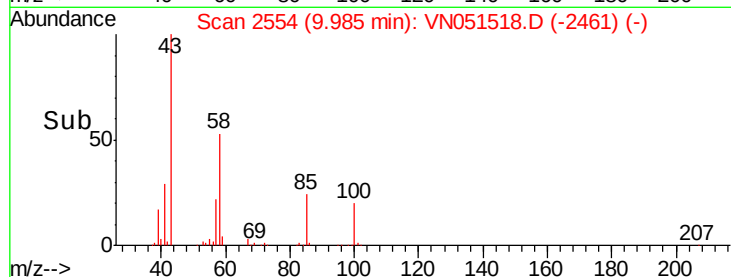
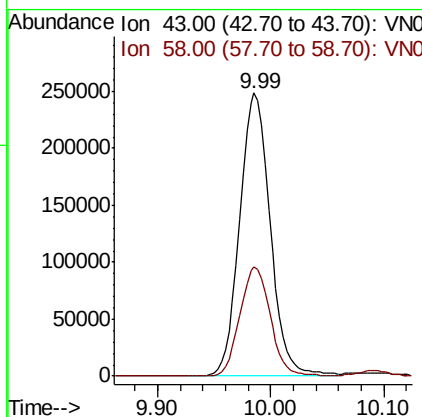
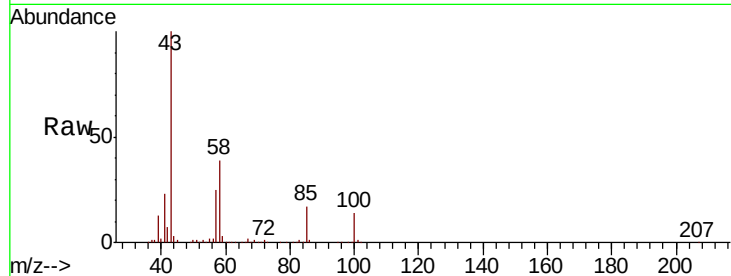
#51
 4-Methyl-2-Pentanone
 Concen: 99.415 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion: 43 Resp: 465611
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.5 47.3

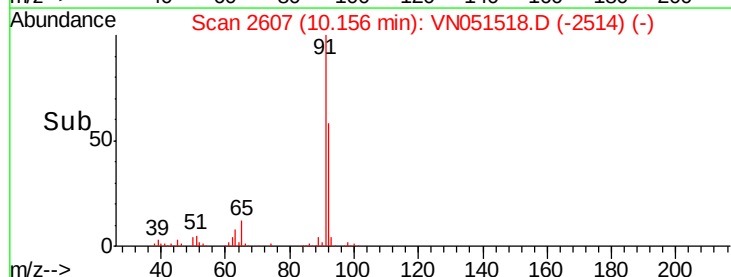
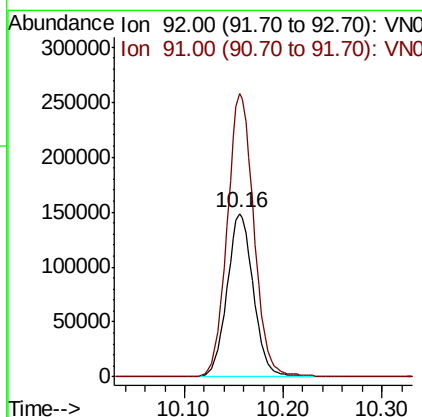
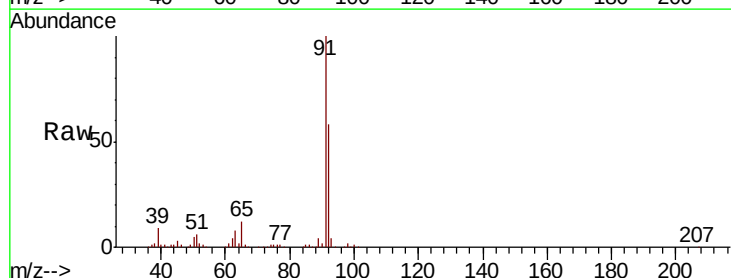
Manual Integrations
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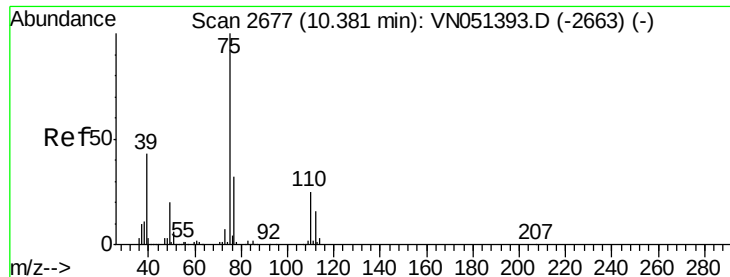
mmdadoda
 9/30/2018 9:54:43 AM



#52
 Toluene
 Concen: 18.561 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion: 92 Resp: 277416
 Ion Ratio Lower Upper
 92 100
 91 175.4 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 17.152 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 75 Resp: 141552

Ion Ratio Lower Upper

75 100

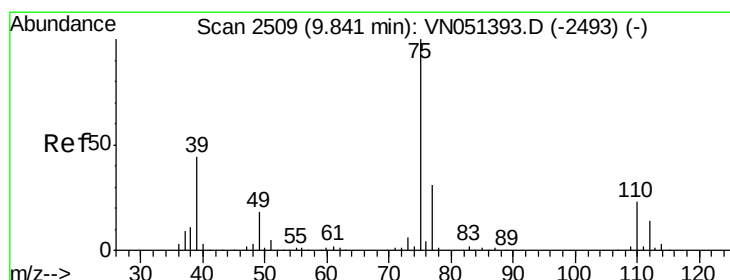
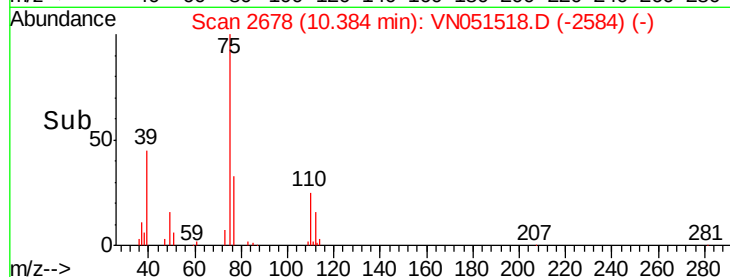
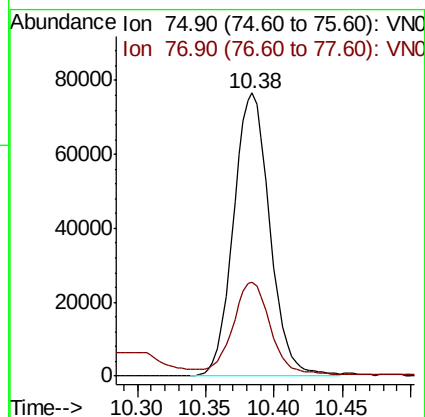
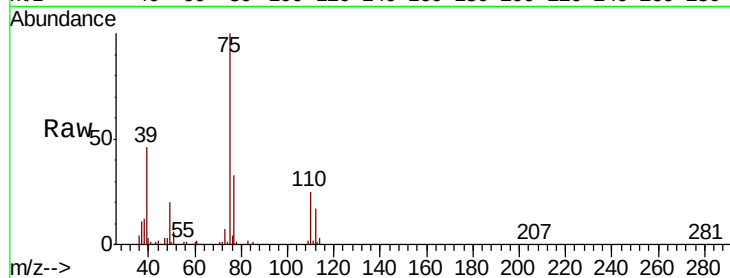
77 32.5 25.8 38.8

Manual Integrations

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9/30/2018 9:54:43 AM



#54

cis-1,3-Dichloropropene

Concen: 17.716 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

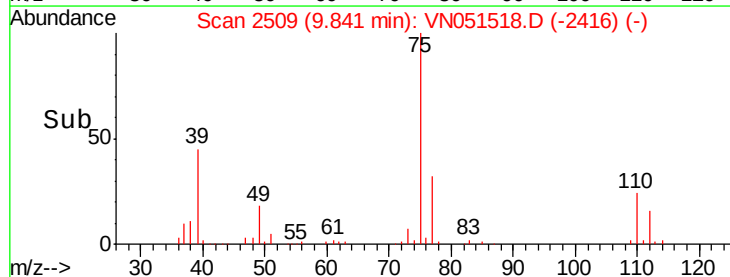
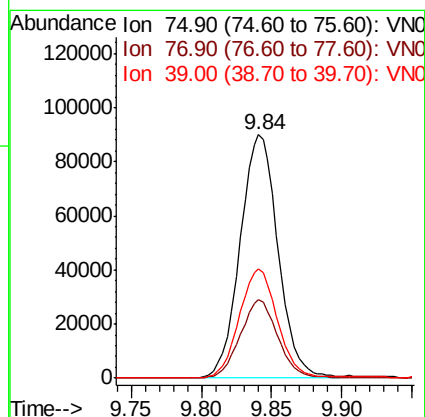
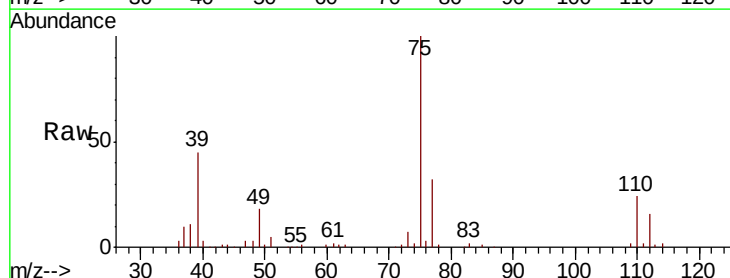
Tgt Ion: 75 Resp: 169552

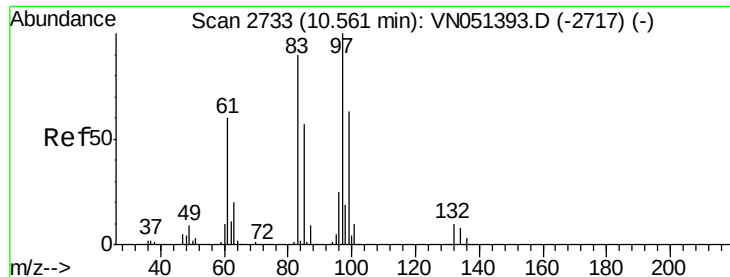
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 44.7 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 19.775 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

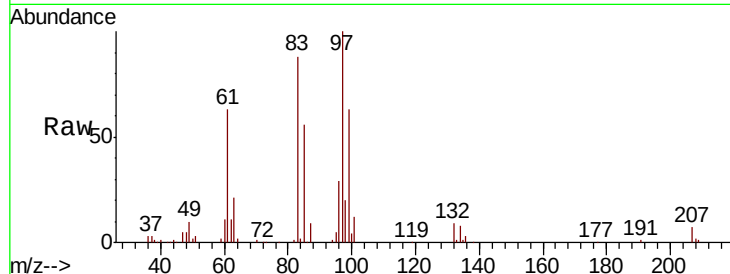
ClientSampleId :

VN0926WBSD02

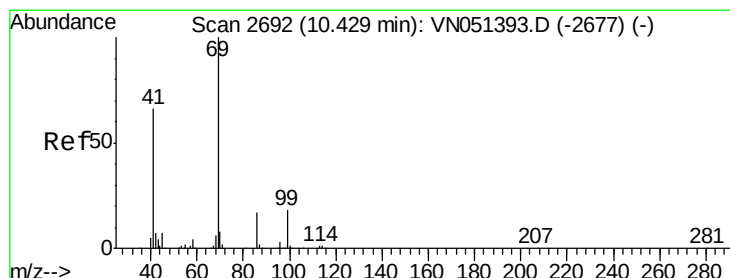
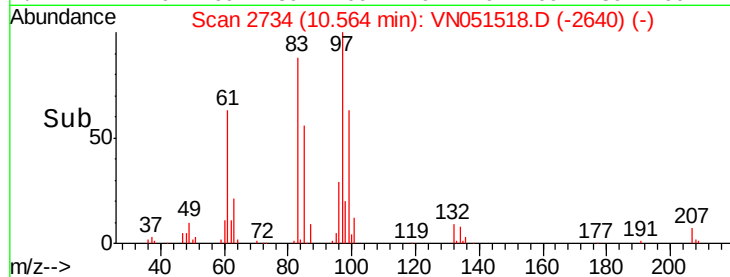
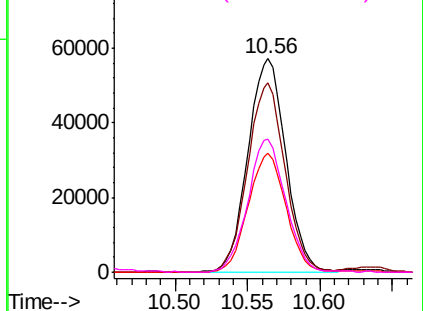
Tgt Ion:	97	Resp:	104457
Ion Ratio	Lower	Upper	
97	100		
83	88.4	72.0	108.0
85	55.8	45.2	67.8
99	62.5	50.7	76.1

Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VN051518.D (-2640) (-)



#56

Ethyl methacrylate

Concen: 18.255 ug/l

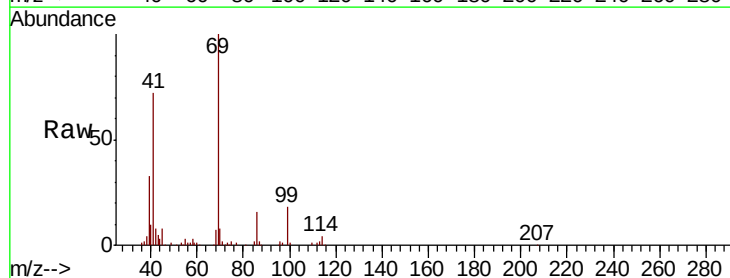
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

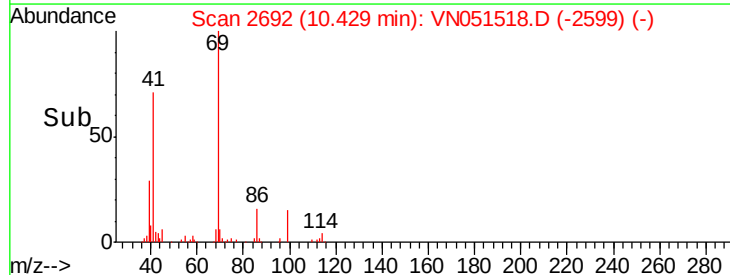
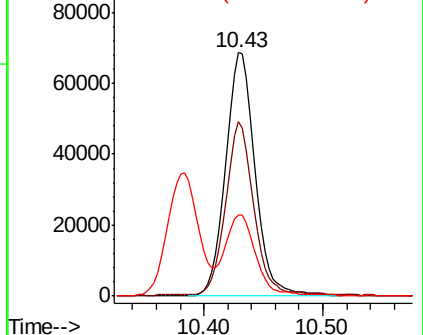
Lab File: VN051518.D

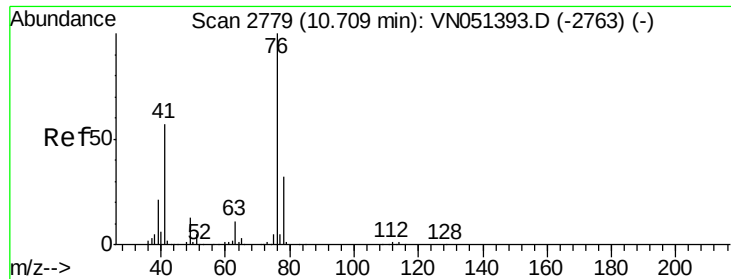
Acq: 26 Sep 2018 6:38

Tgt Ion:	69	Resp:	117899
Ion Ratio	Lower	Upper	
69	100		
41	67.9	52.4	78.6
39	33.1	26.3	39.5



Abundance Ion 69.00 (68.70 to 69.70): VN051518.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 19.400 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 76 Resp: 175640

Ion Ratio Lower Upper

76 100

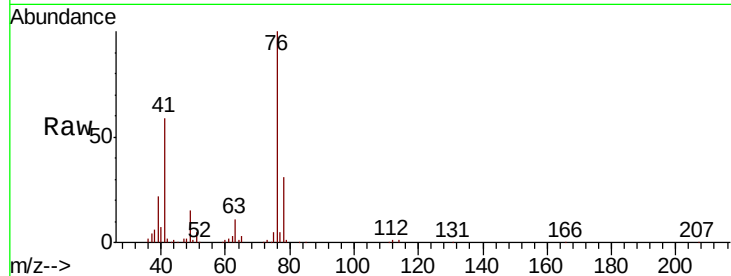
78 32.4 25.5 38.3

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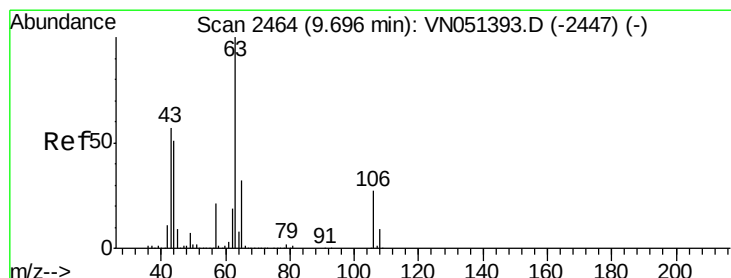
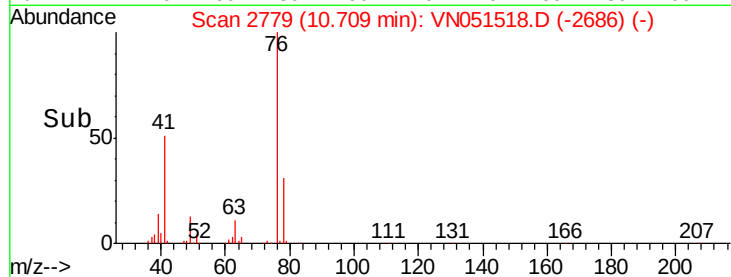
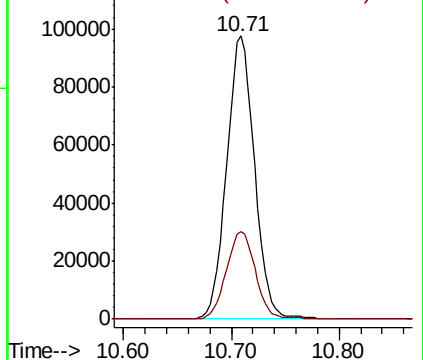
mmdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.747 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051518.D

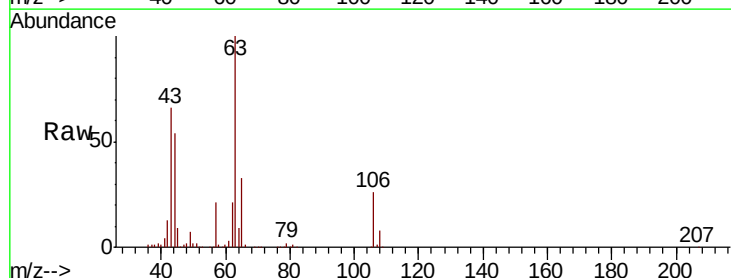
Acq: 26 Sep 2018 6:38

Tgt Ion: 63 Resp: 302040

Ion Ratio Lower Upper

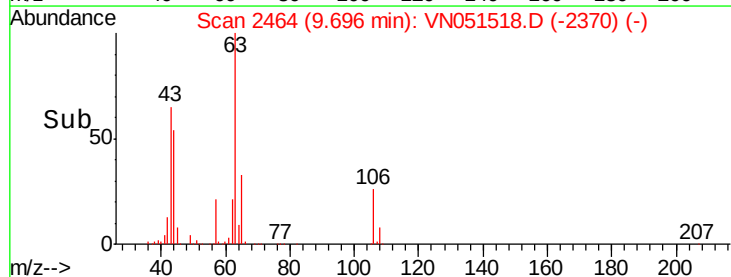
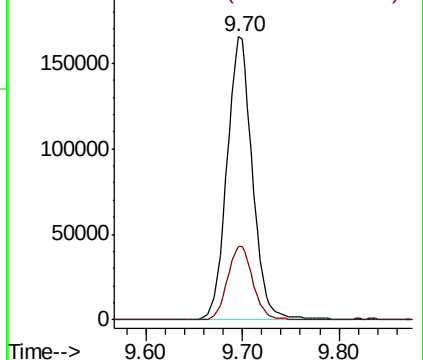
63 100

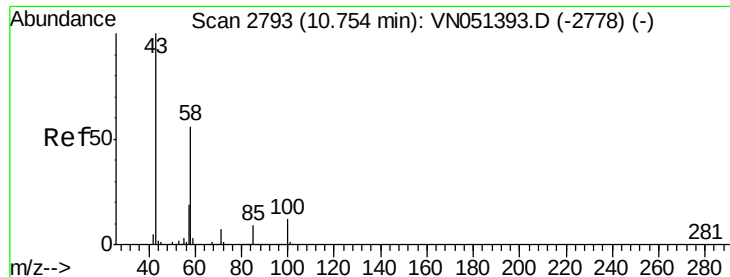
106 25.8 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





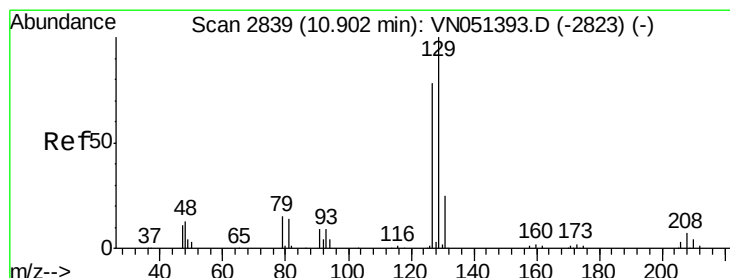
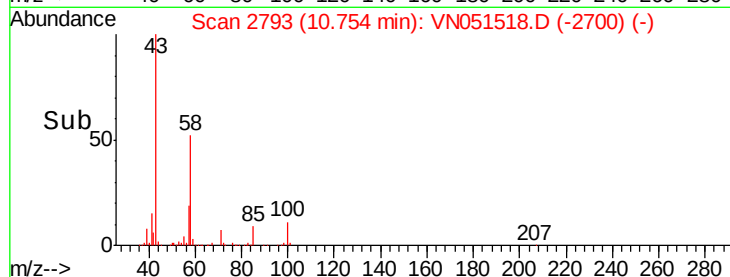
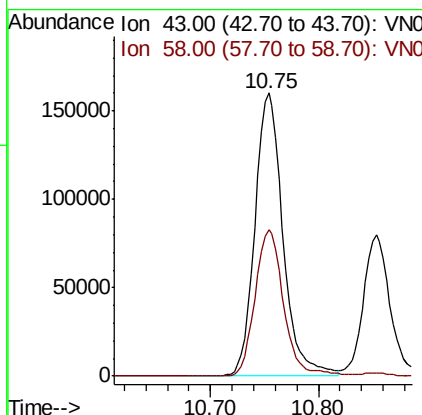
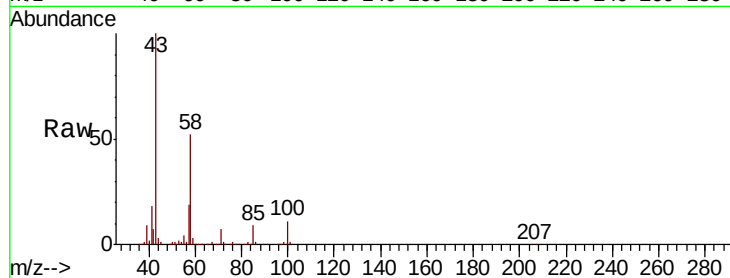
#59
2-Hexanone
Concen: 94.748 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 43 Resp: 287667
Ion Ratio Lower Upper
43 100
58 52.8 27.7 83.0

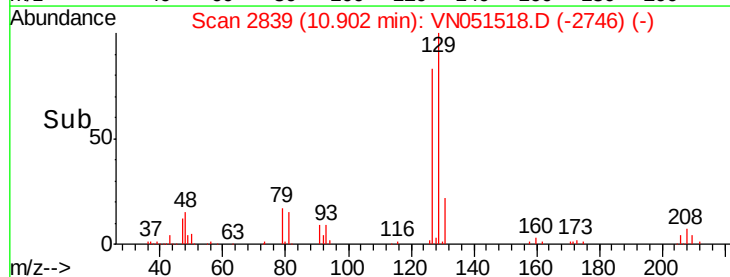
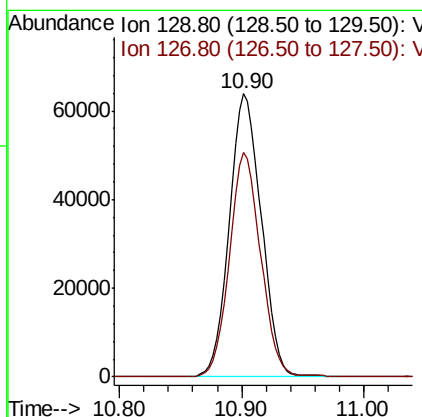
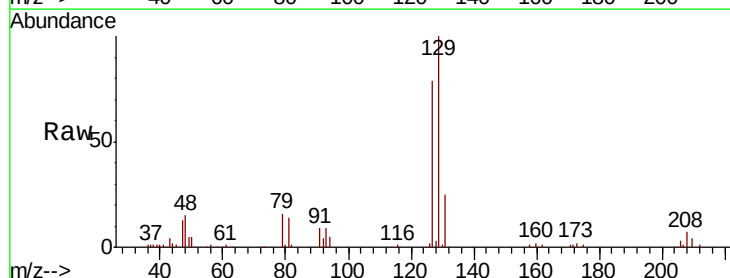
Manual Integrations
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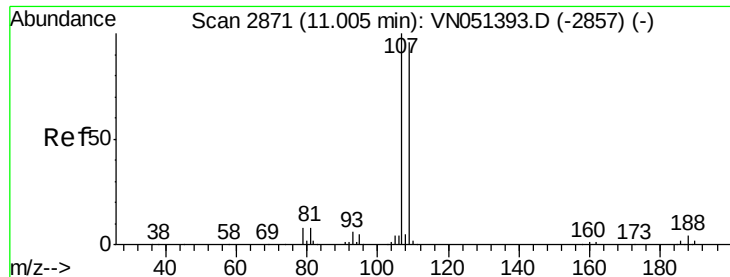
mmdadoda
9/30/2018 9:54:43 AM



#60
Dibromochloromethane
Concen: 18.689 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 129 Resp: 116480
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





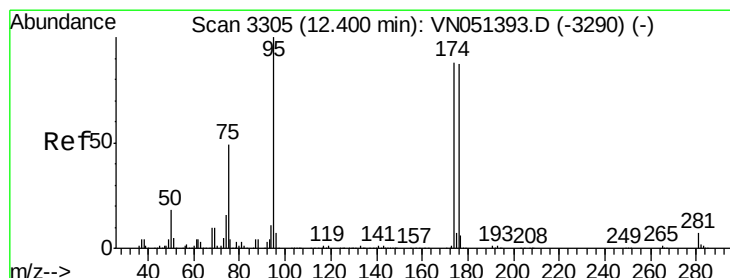
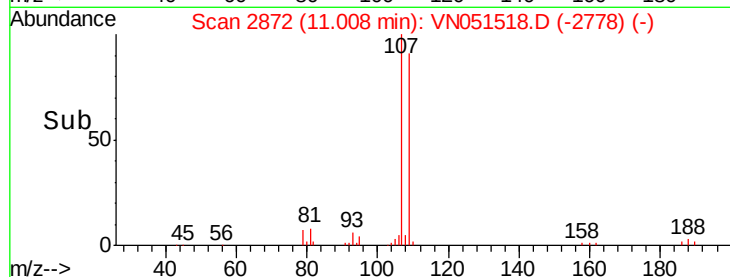
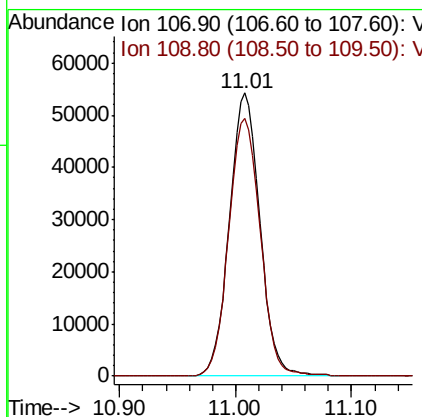
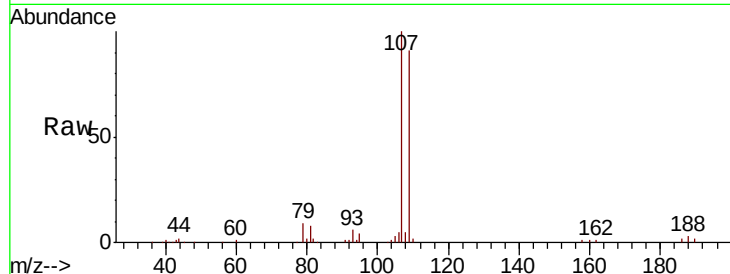
#61
1,2-Dibromoethane
Concen: 19.275 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 107 Resp: 98839
Ion Ratio Lower Upper
107 100
109 94.5 76.3 114.5

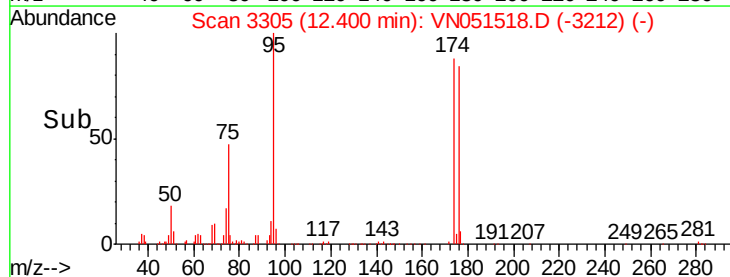
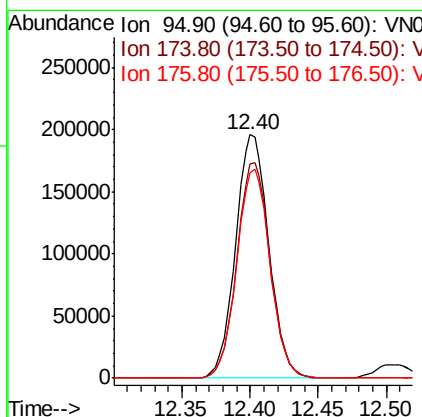
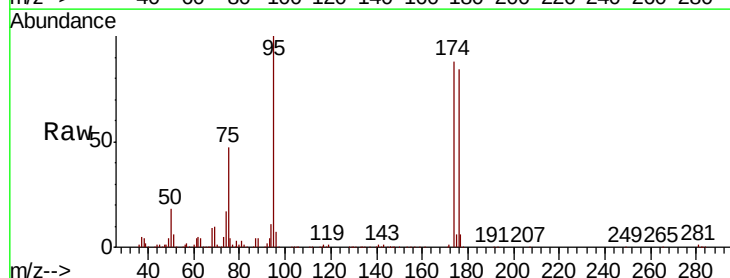
Manual Integrations
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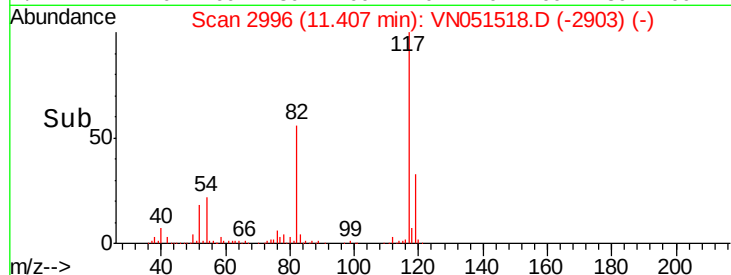
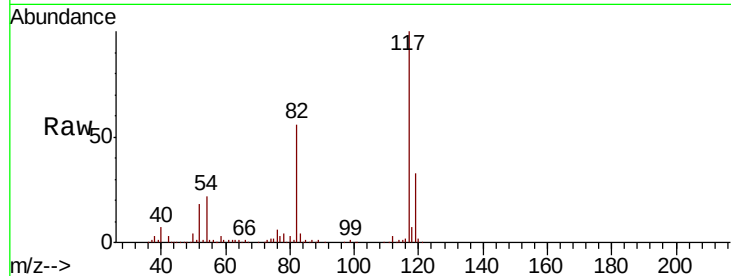
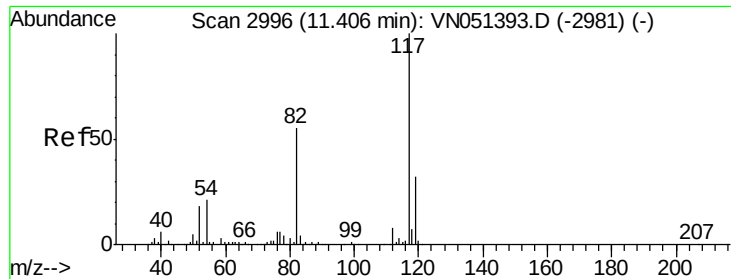
mmdadoda
9/30/2018 9:54:43 AM



#62
4-Bromofluorobenzene
Concen: 48.073 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 95 Resp: 331233
Ion Ratio Lower Upper
95 100
174 88.3 0.0 181.6
176 86.0 0.0 176.4





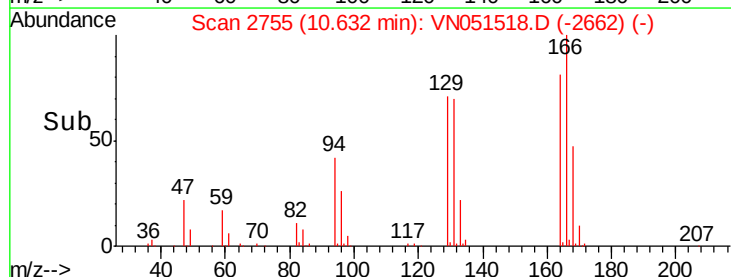
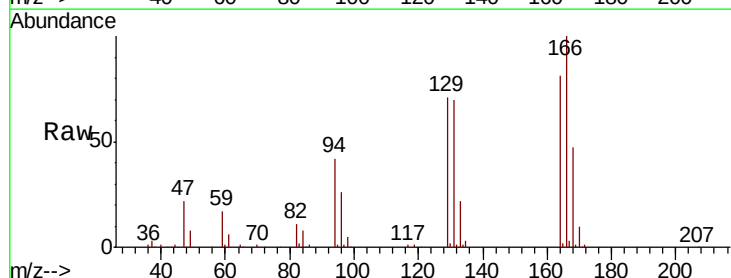
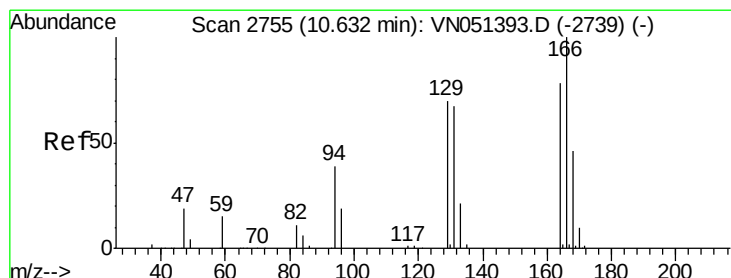
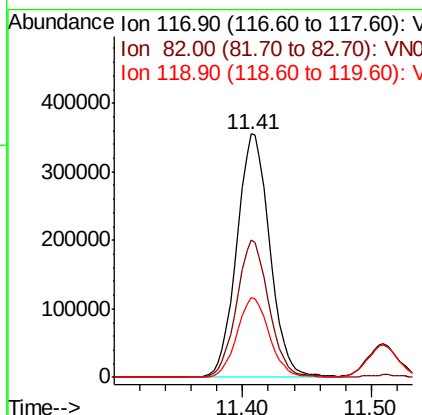
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.3	44.2	66.2
119	32.7	25.9	38.9

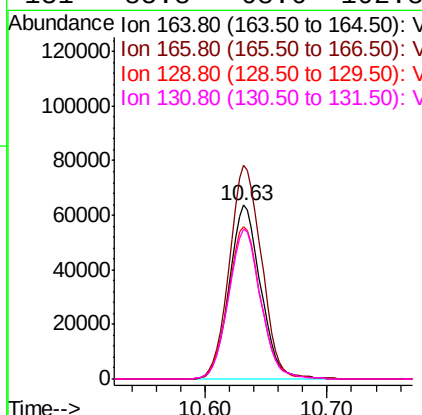
Manual Integrations
APPROVED

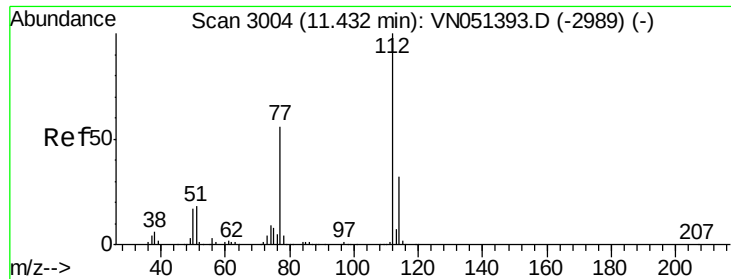
mmdadoda
9/30/2018 9:54:43 AM



#64
Tetrachloroethene
Concen: 19.922 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	122.8	102.3	153.5
129	87.6	71.8	107.8
131	85.8	68.6	102.8





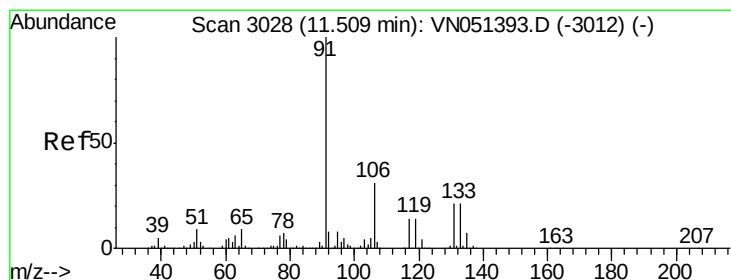
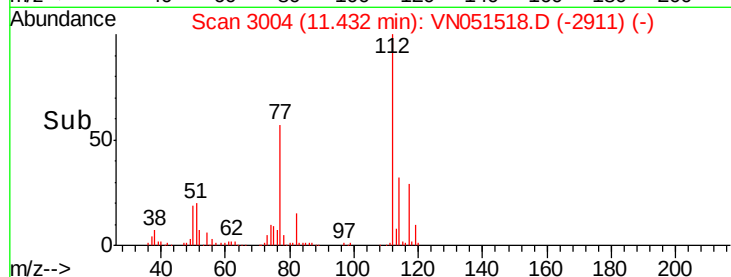
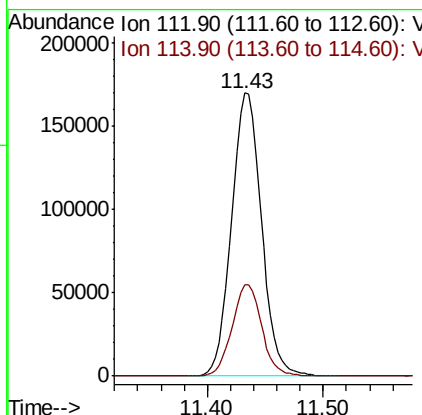
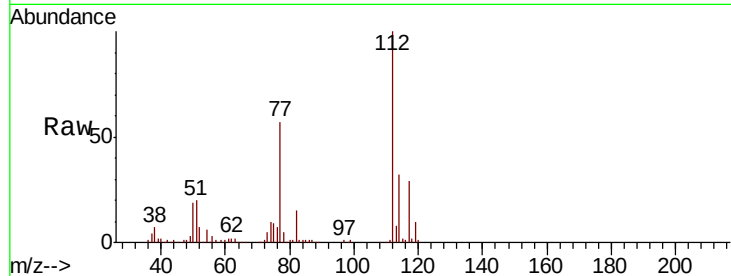
#65
Chlorobenzene
Concen: 18.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	303059		
114	32.1	25.4	38.2	

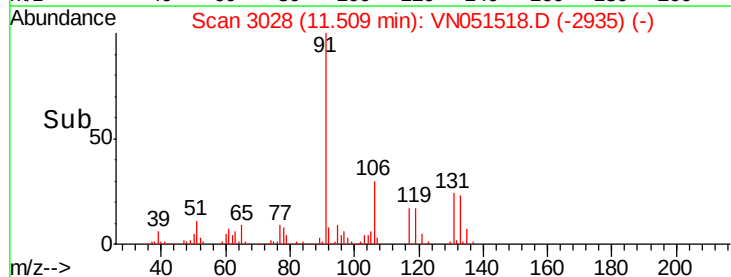
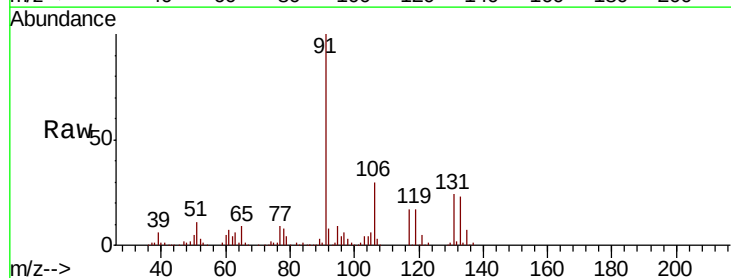
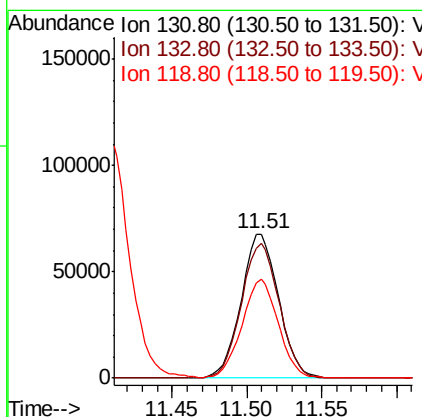
Manual Integrations
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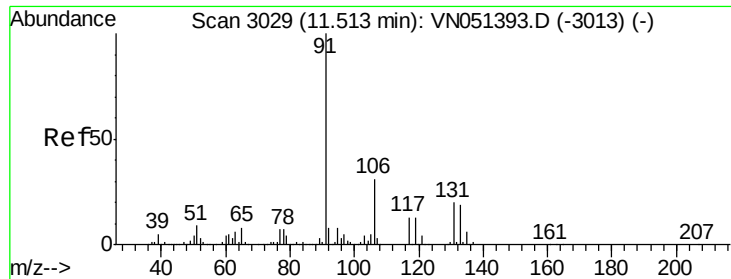
mmdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.099 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	118110		
133	94.7	48.3	144.8	
119	66.7	32.8	98.4	





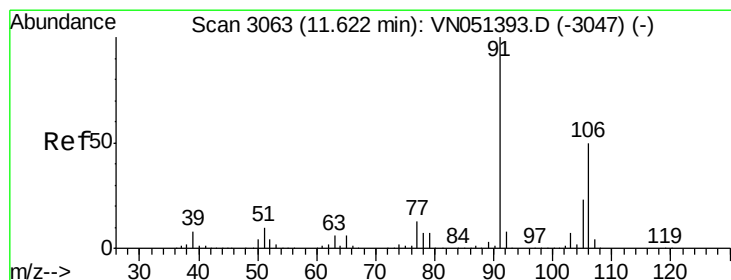
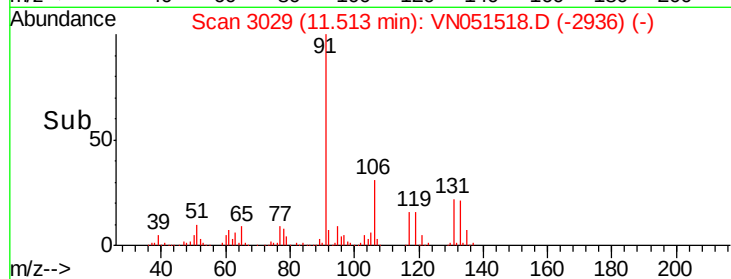
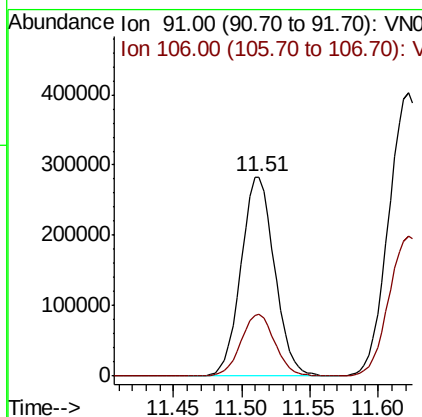
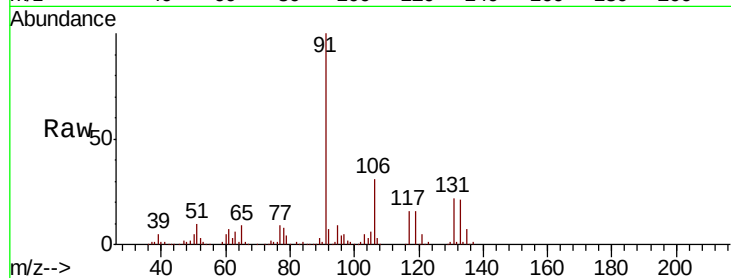
#67
Ethyl Benzene
Concen: 17.731 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion: 91 Resp: 485012
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

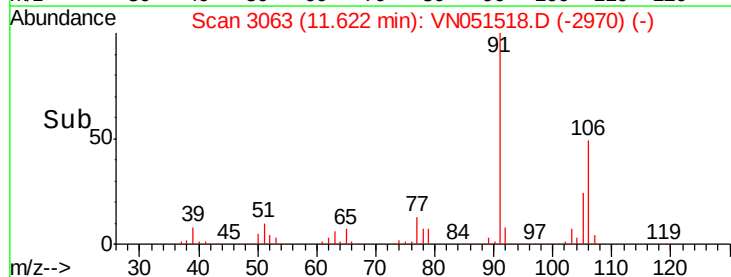
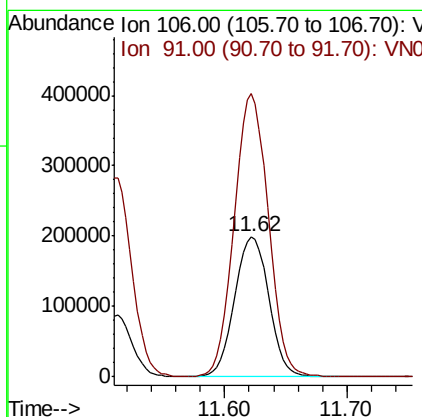
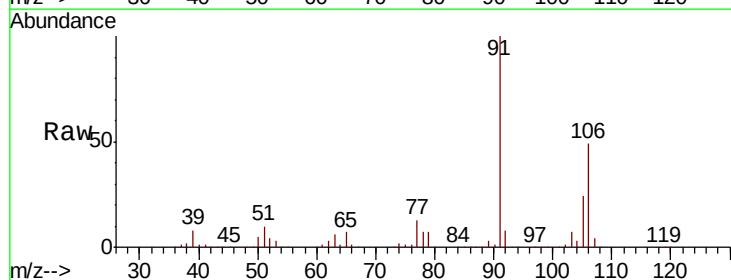
Manual Integrations
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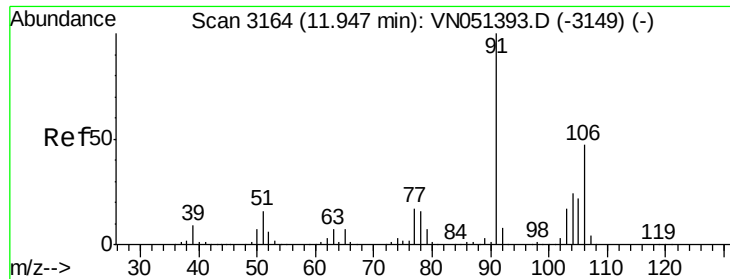
mmdadoda
9/30/2018 9:54:43 AM



#68
m/p-Xylenes
Concen: 36.514 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion: 106 Resp: 386352
Ion Ratio Lower Upper
106 100
91 201.5 161.3 241.9





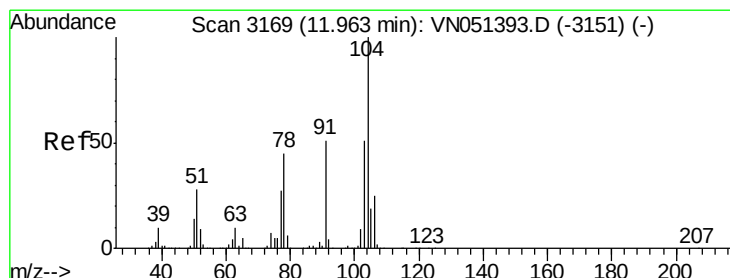
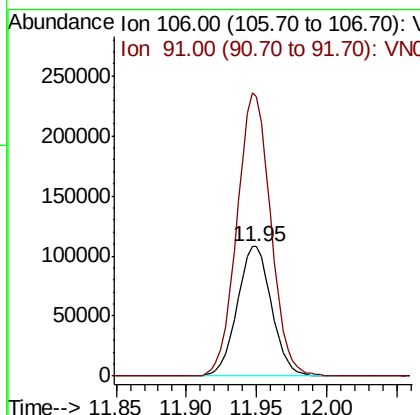
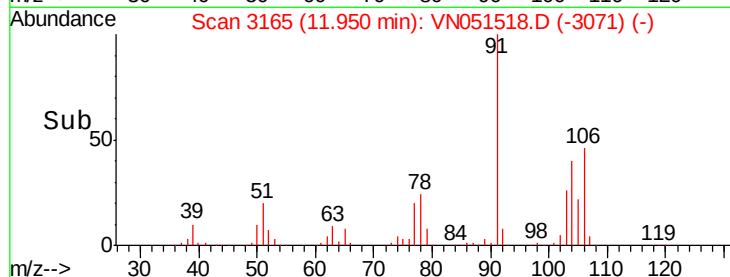
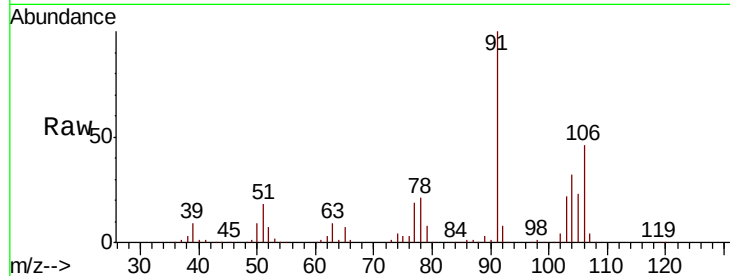
#69
o-Xylene
Concen: 18.060 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion:106 Resp: 183703
Ion Ratio Lower Upper
106 100
91 215.3 105.3 315.9

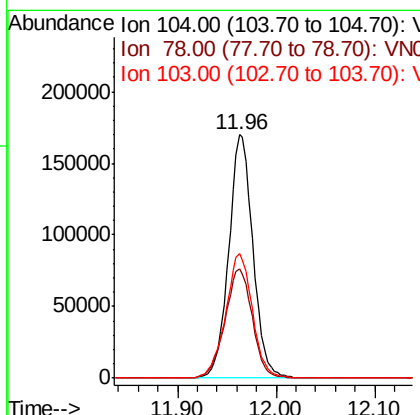
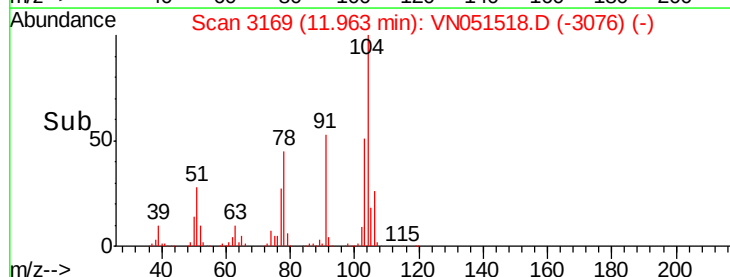
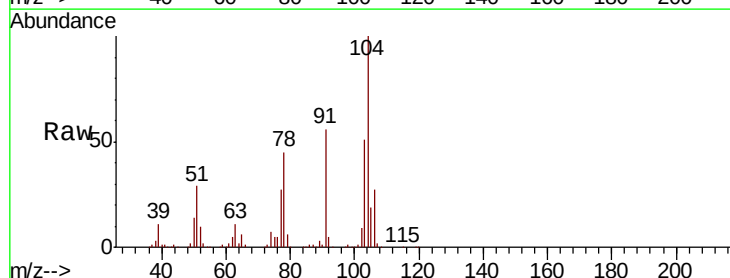
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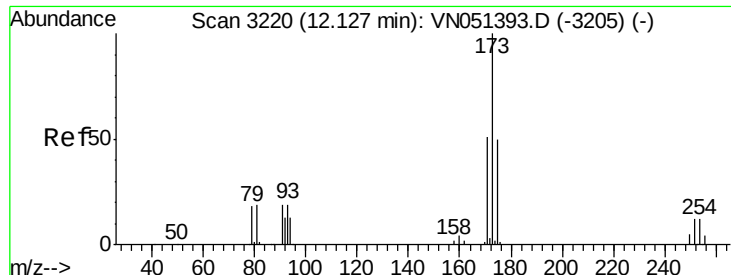
mmdadoda
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#70
Styrene
Concen: 18.130 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion:104 Resp: 292223
Ion Ratio Lower Upper
104 100
78 50.6 39.9 59.9
103 56.5 44.6 66.8





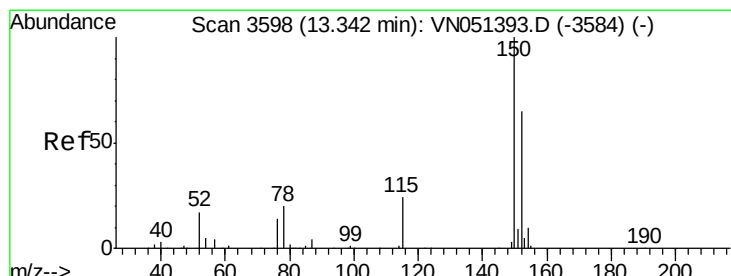
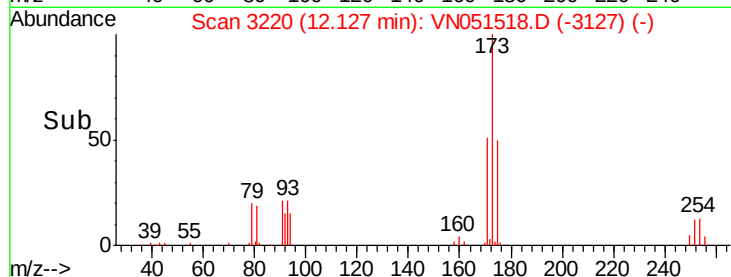
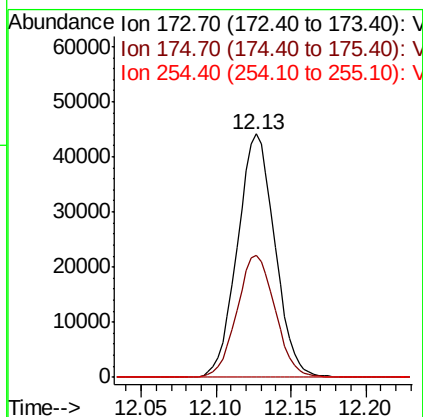
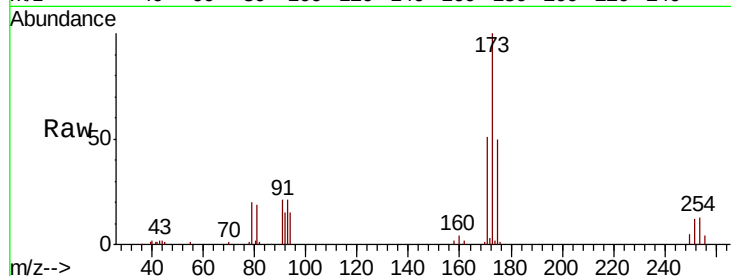
#71
Bromoform
Concen: 18.315 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.8	74.3
254	0.0	0.2	0.2

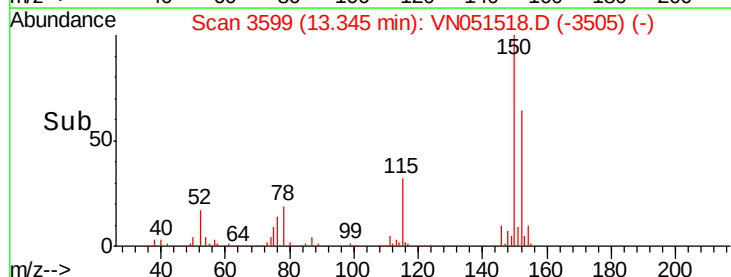
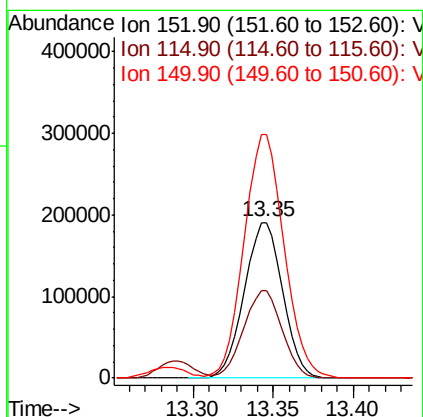
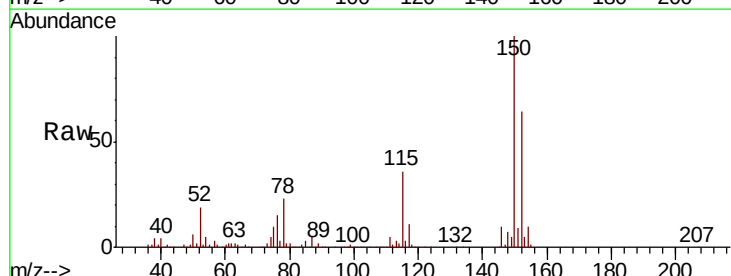
Manual Integrations
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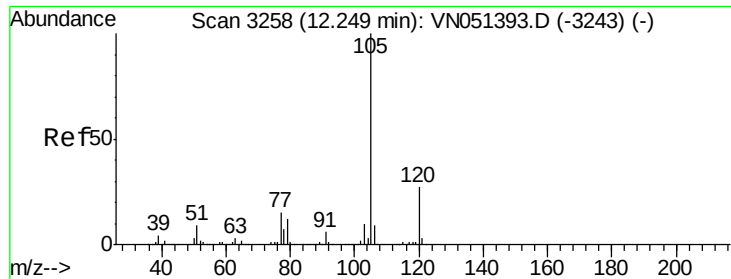
mmdadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	163.7	0.0	353.6





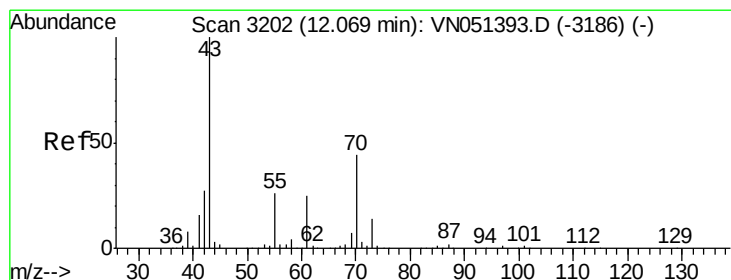
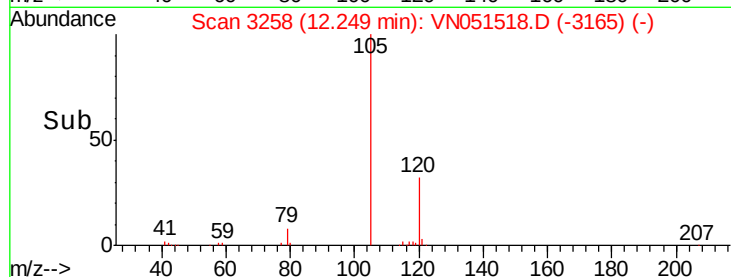
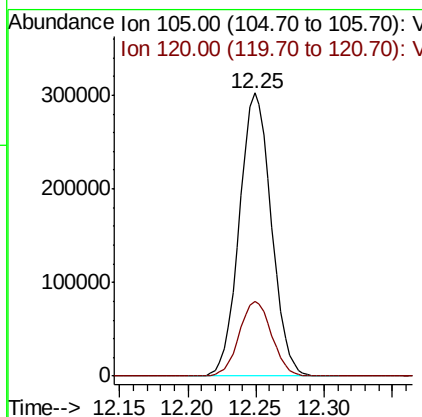
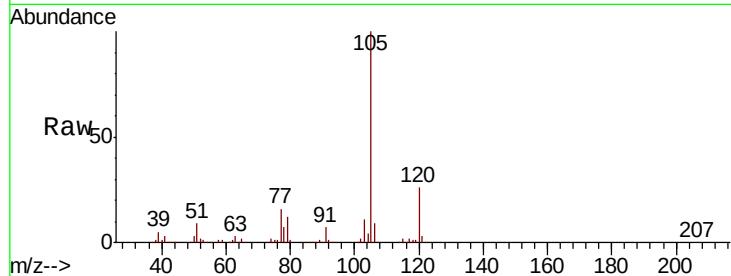
#73
Isopropylbenzene
Concen: 18.682 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

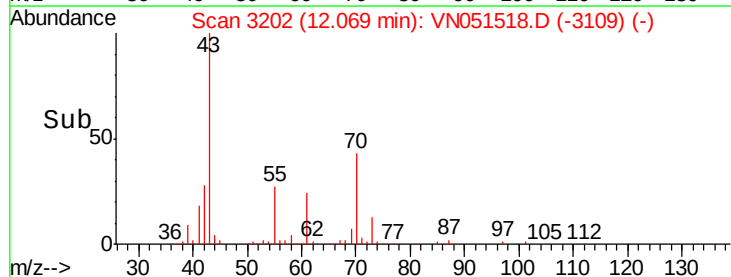
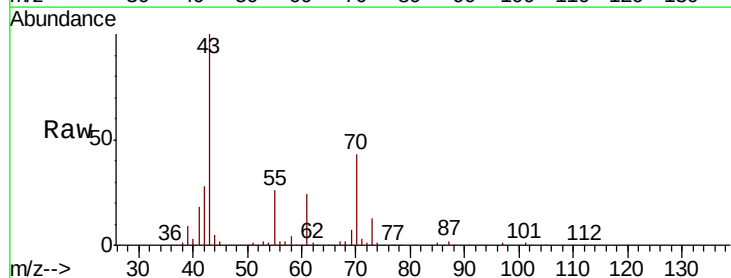
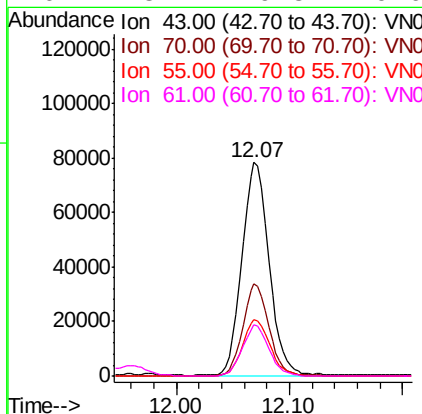
Manual Integrations
APPROVED

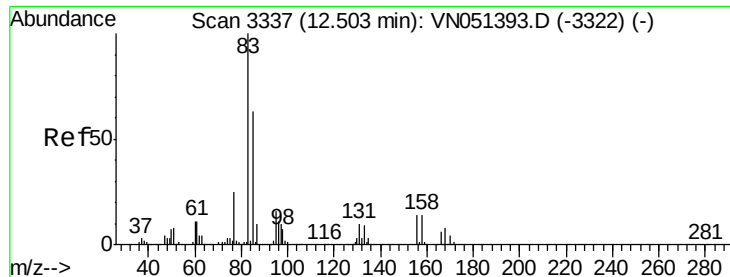
mmdadoda
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#74
N-ethyl acetate
Concen: 19.754 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.6	35.0	52.4
55	26.7	21.4	32.2
61	23.2	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

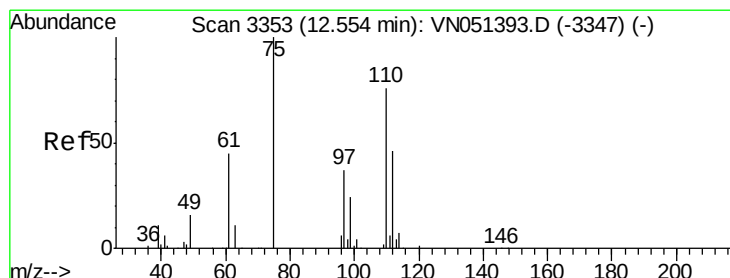
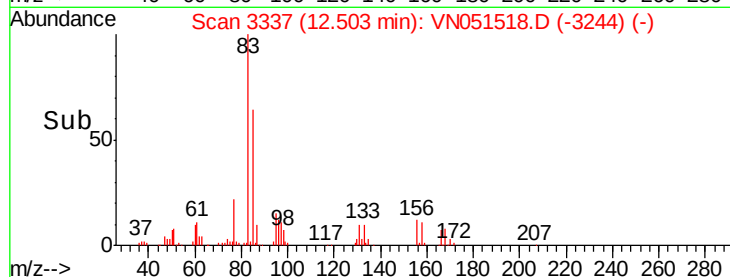
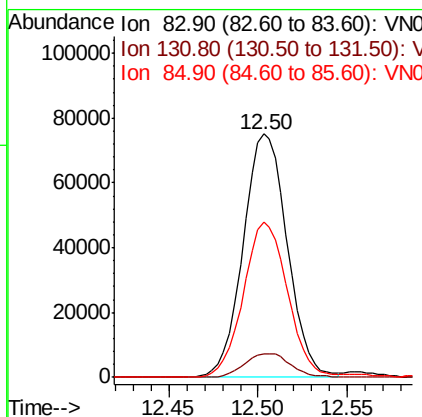
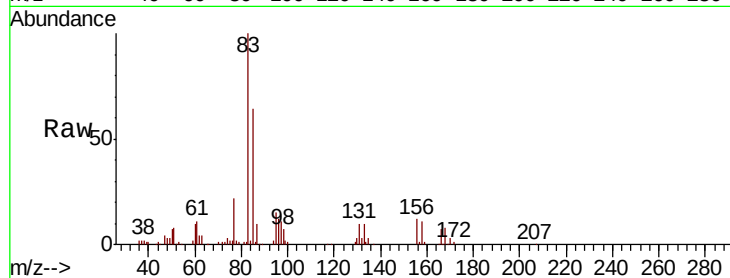
ClientSampleId :

VN0926WBSD02

Tgt Ion:	83	Resp:	129598
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.9	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.559 ug/l m

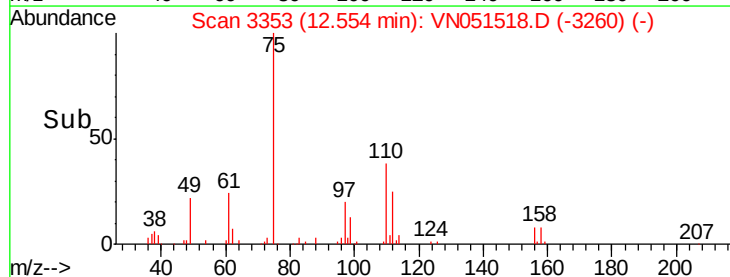
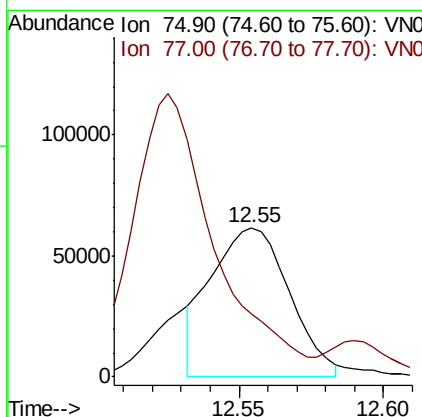
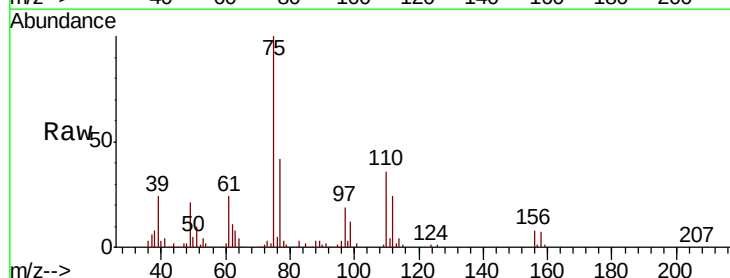
RT: 12.55 min Scan# 3353

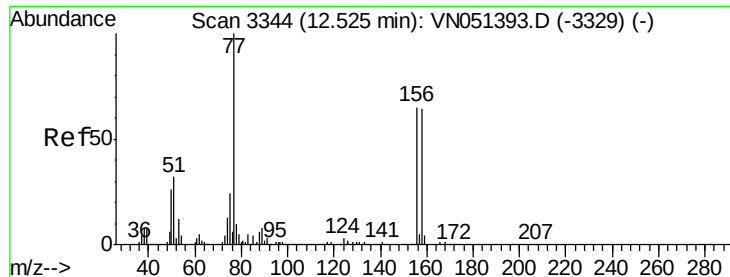
Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion:	75	Resp:	116723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

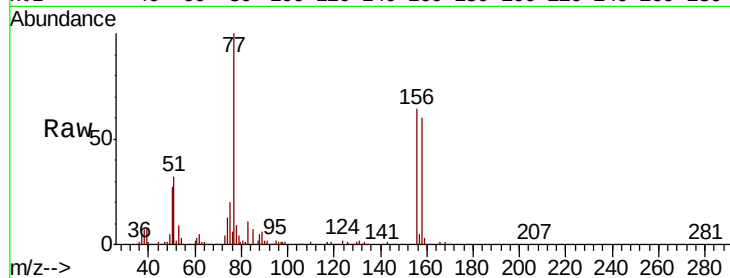
ClientSampleId :

VN0926WBSD02

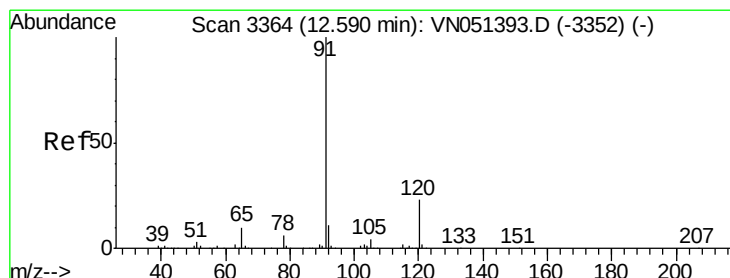
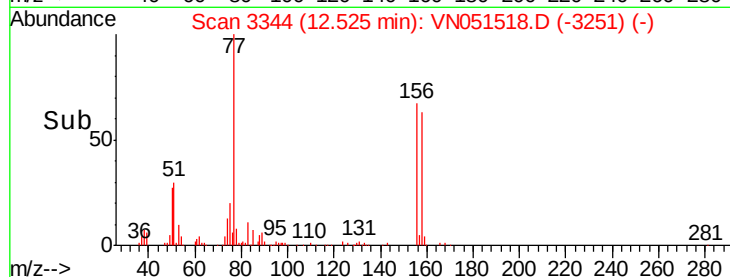
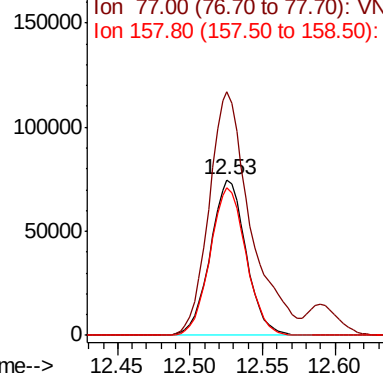
Tgt Ion:	156	Resp:	127549
Ion Ratio	Lower	Upper	
156	100		
77	183.2	89.5	268.4
158	95.8	49.4	148.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.814 ug/l

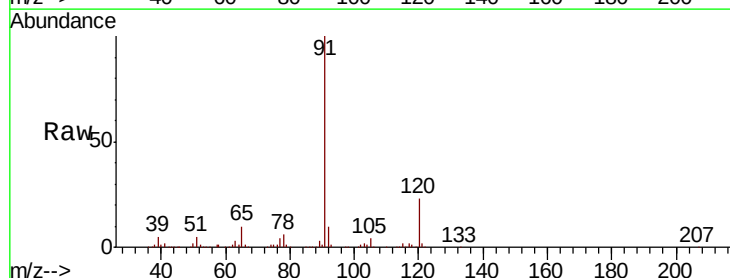
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

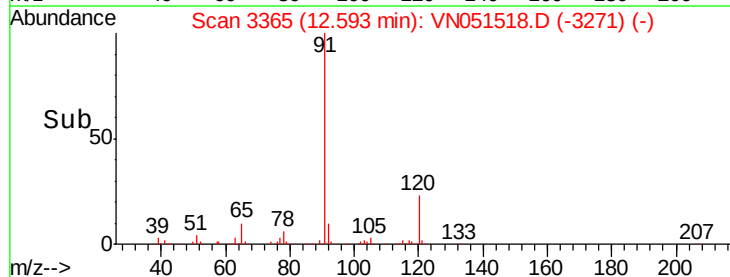
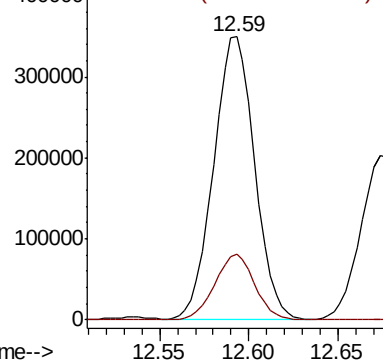
Lab File: VN051518.D

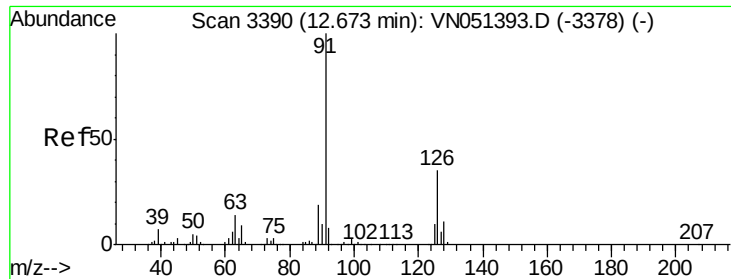
Acq: 26 Sep 2018 6:38

Tgt Ion:	91	Resp:	557638
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.255 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBSD02

Tgt Ion: 91 Resp: 341602

Ion Ratio Lower Upper

91 100

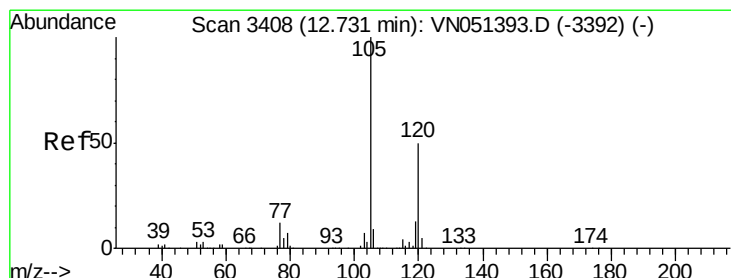
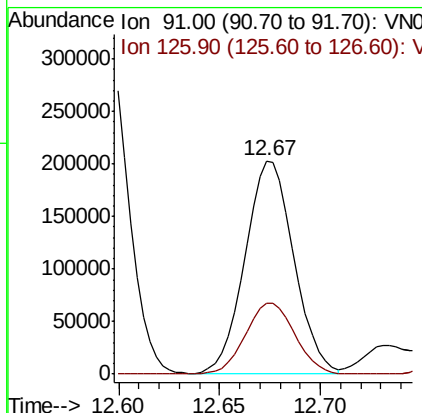
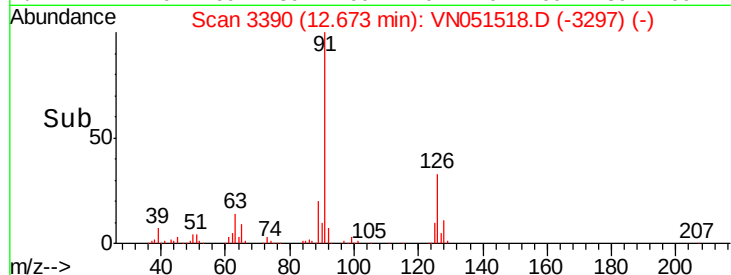
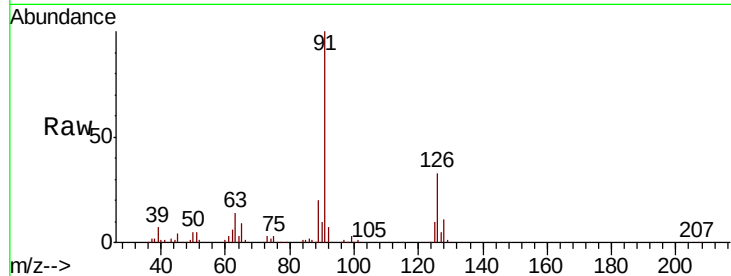
126 34.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.456 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051518.D

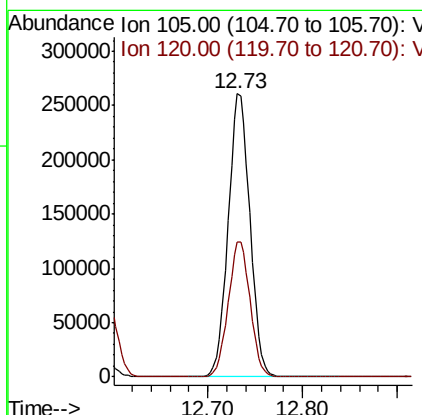
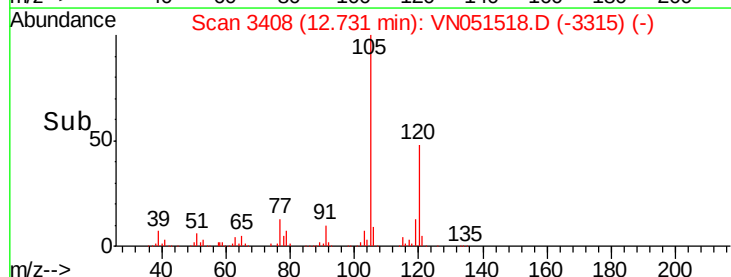
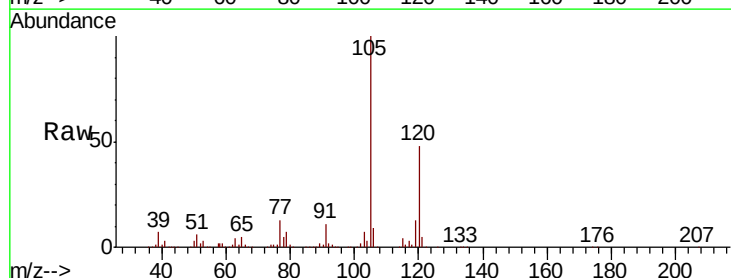
Acq: 26 Sep 2018 6:38

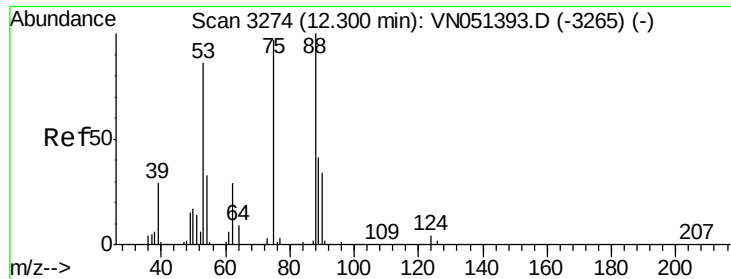
Tgt Ion: 105 Resp: 417206

Ion Ratio Lower Upper

105 100

120 47.9 24.8 74.4





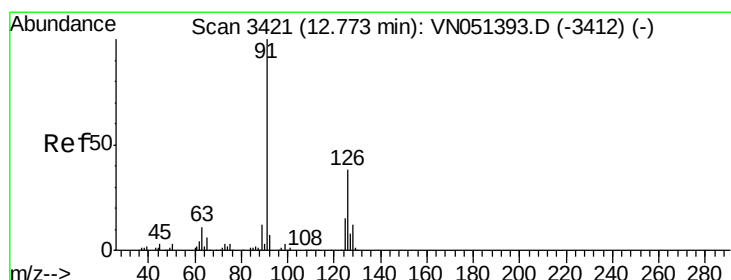
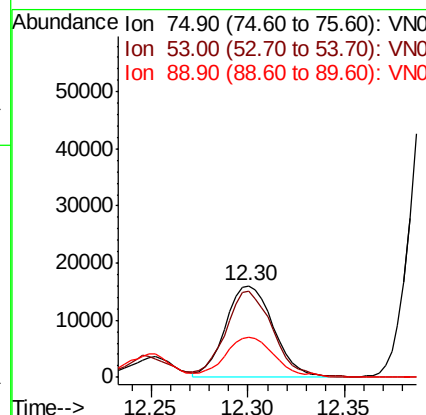
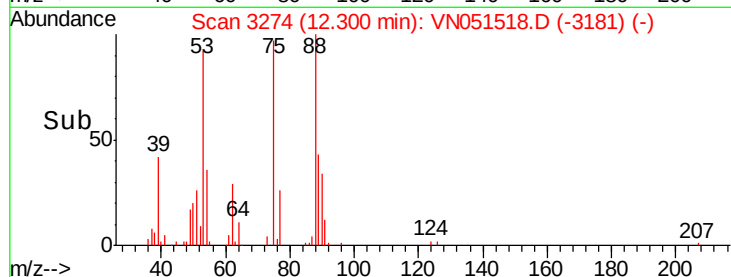
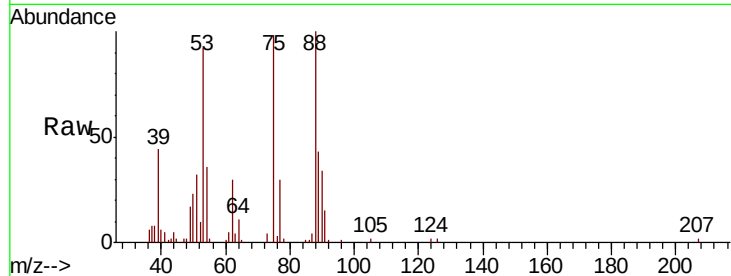
#81
trans-1,4-Dichloro-2-butene
Concen: 16.453 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.9	110.9
89	45.6	36.7	55.1

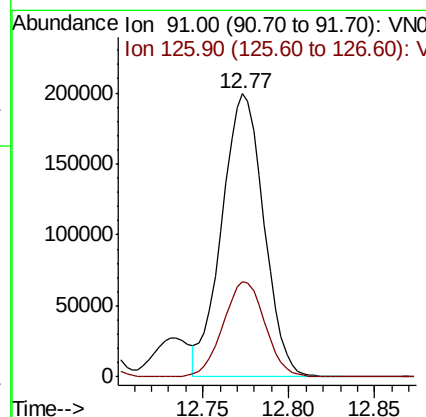
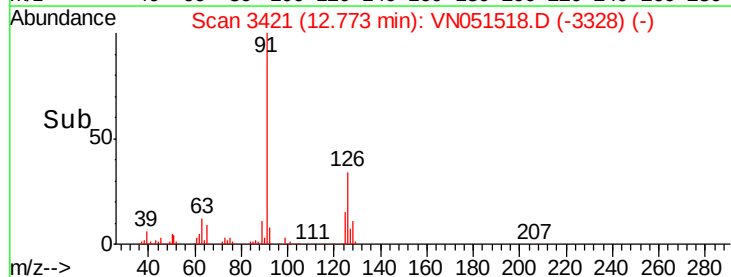
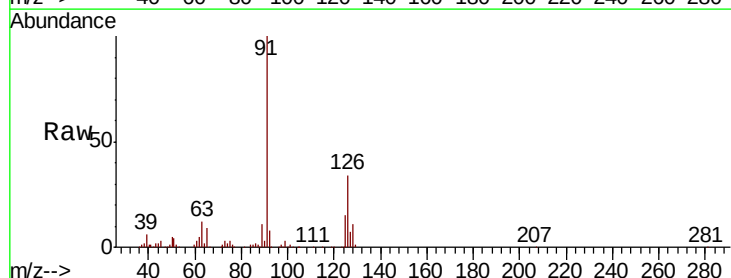
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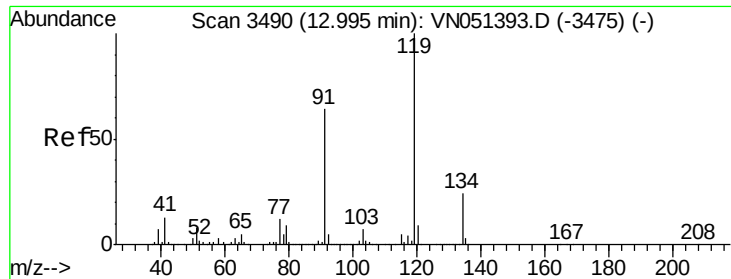
mmdadoda
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#82
4-Chlorotoluene
Concen: 19.207 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.5	52.5





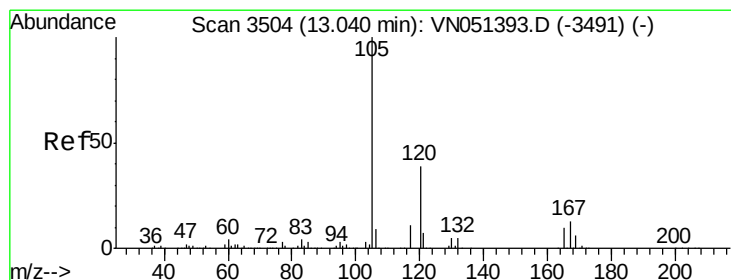
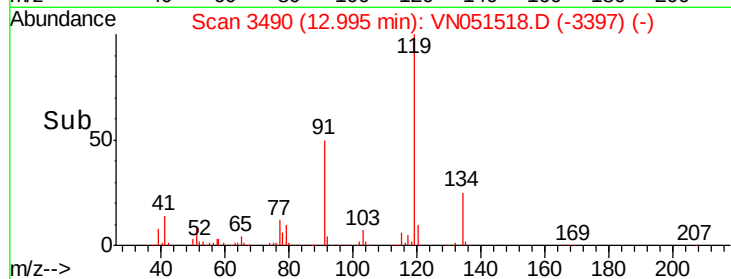
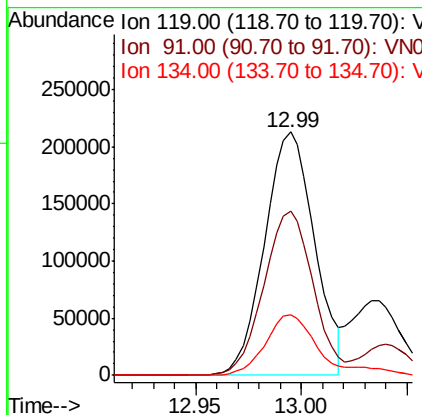
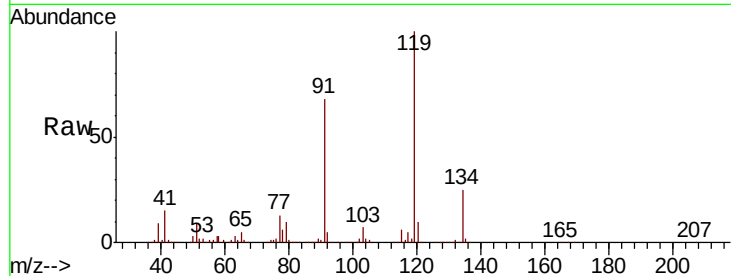
#83
 tert-Butylbenzene
 Concen: 18.371 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	350636		
91	66.5	31.7	95.1	
134	26.9	12.3	36.9	

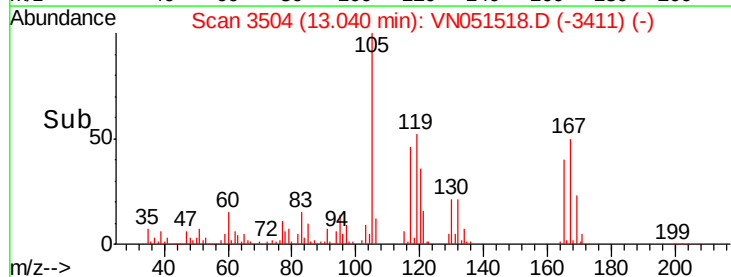
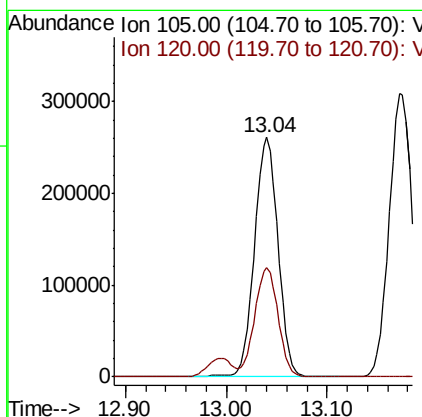
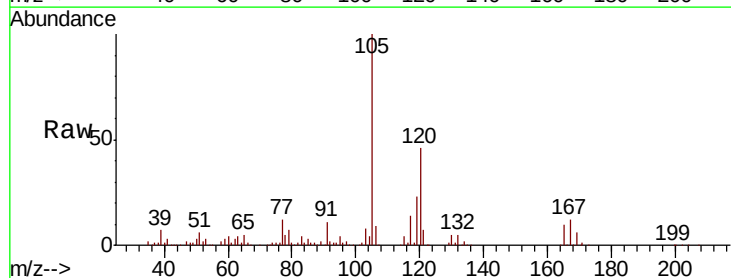
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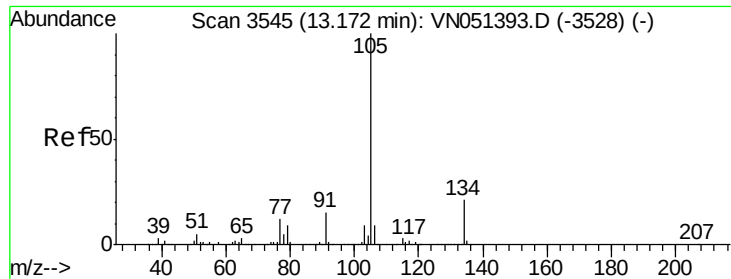
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.419 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	419607		
120	45.4	22.9	68.7	





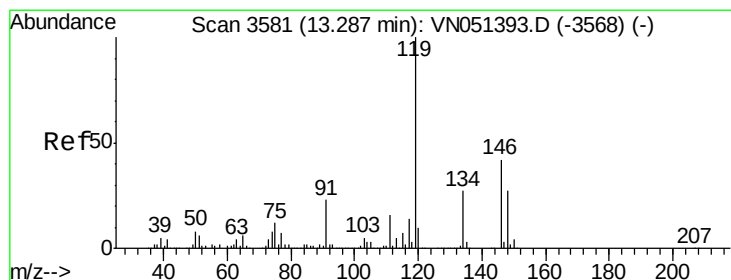
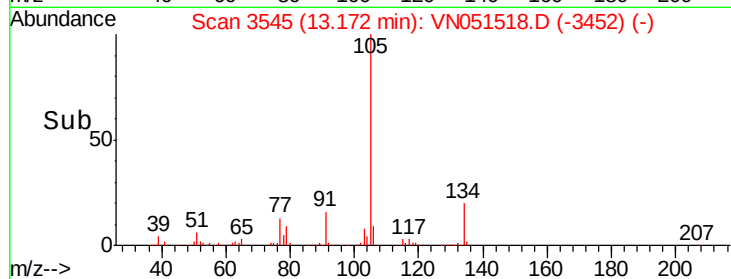
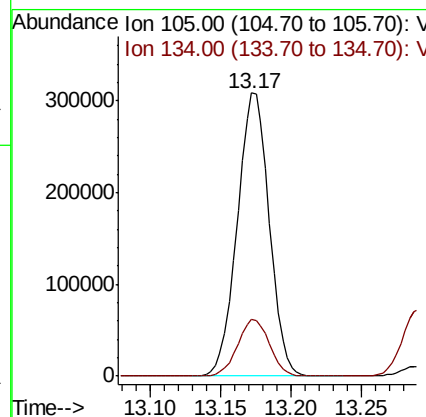
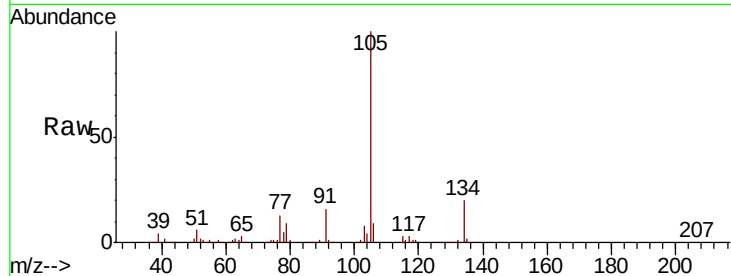
#85
 sec-Butylbenzene
 Concen: 18.985 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.4	31.1

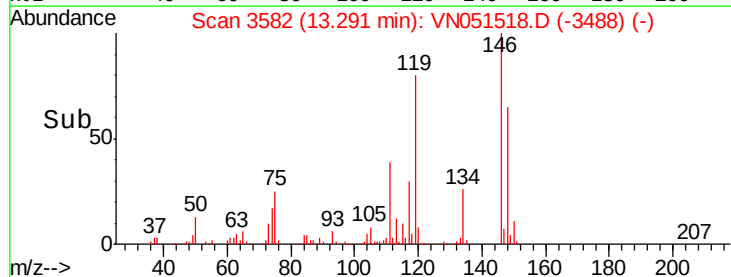
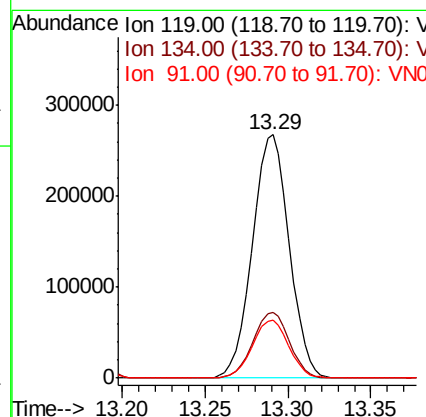
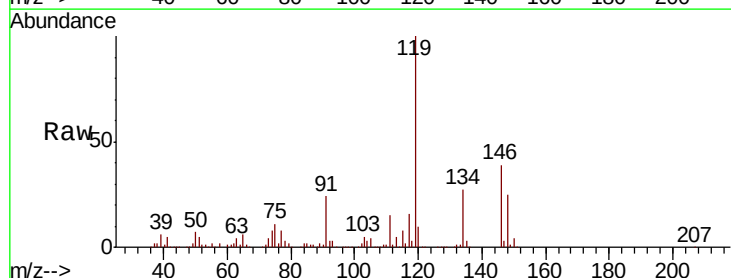
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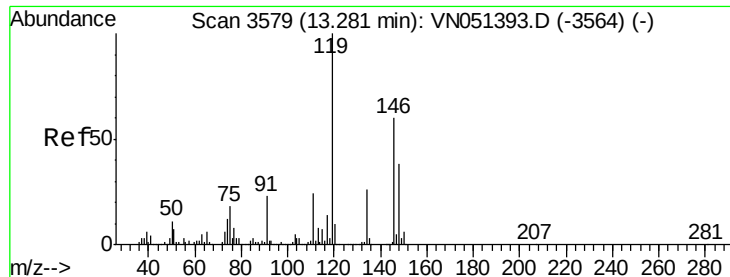
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#86
 p-Isopropyltoluene
 Concen: 18.446 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.9
91	23.4	11.4	34.2





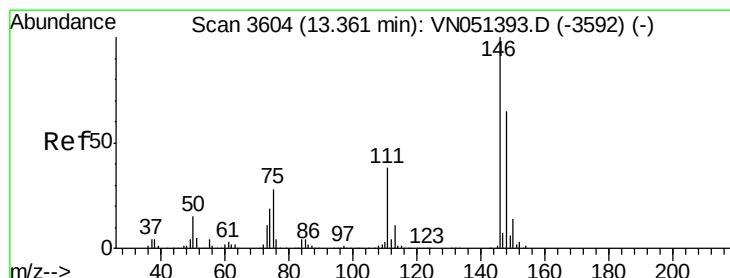
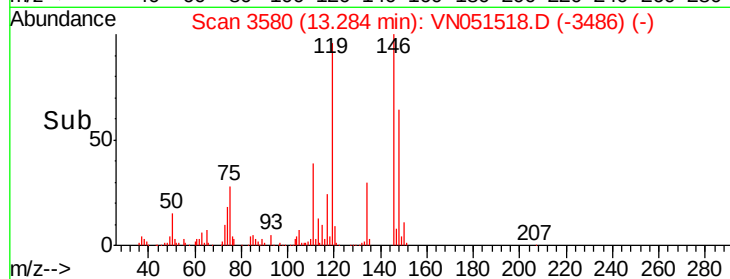
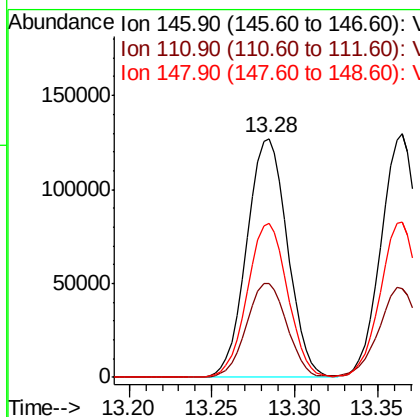
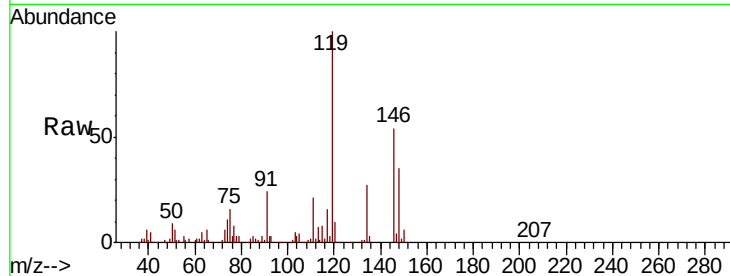
#87
 1,3-Dichlorobenzene
 Concen: 18.851 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	217179		
111	39.1	19.7	59.1	
148	63.5	31.9	95.7	

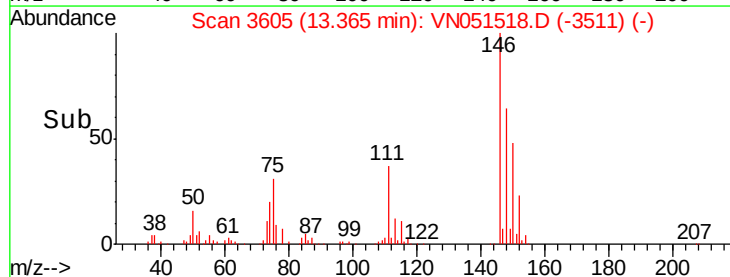
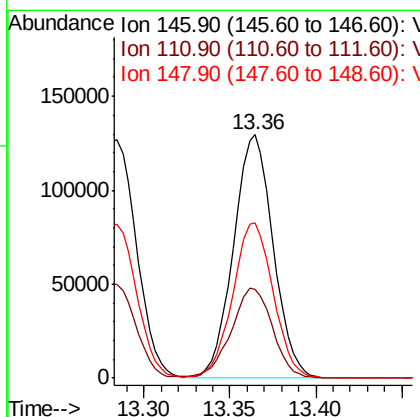
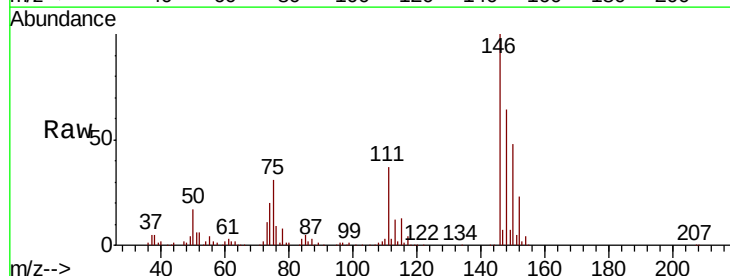
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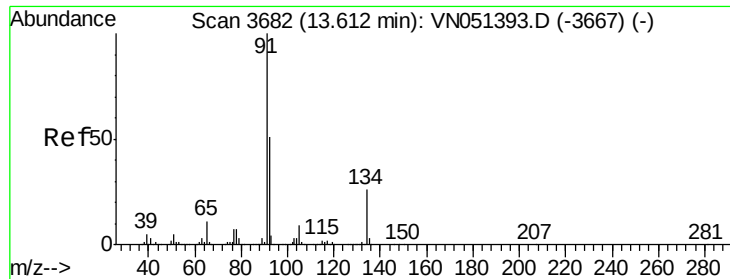
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#88
 1,4-Dichlorobenzene
 Concen: 18.793 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208321		
111	38.7	19.1	57.1	
148	65.0	32.5	97.5	





#89

n-Butylbenzene

Concen: 17.413 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Instrument :

MSVOA_N

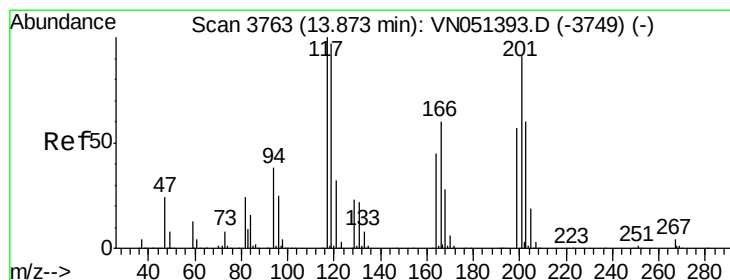
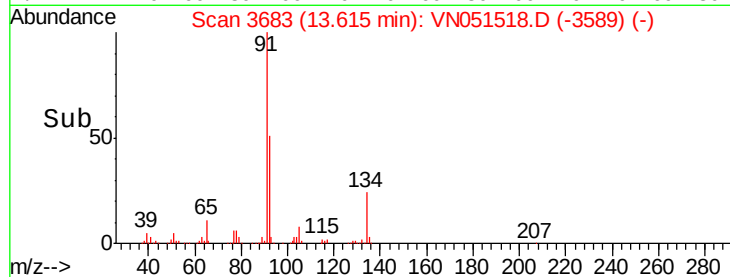
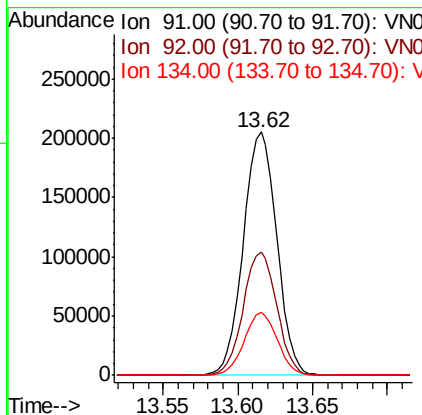
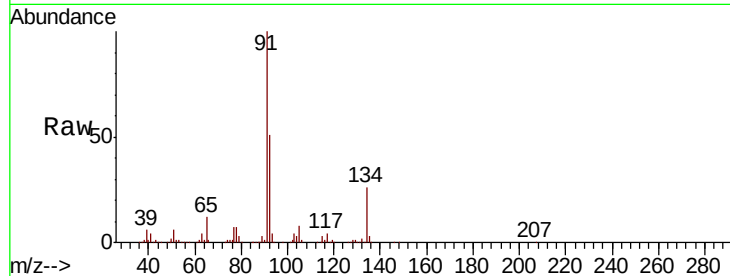
ClientSampleId :

VN0926WBSD02

Tgt Ion:	91	Resp:	319917
Ion Ratio		Lower	Upper
91	100		
92	50.7	25.5	76.5
134	25.6	13.3	39.8

Manual Integrations
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#90

Hexachloroethane

Concen: 18.818 ug/l

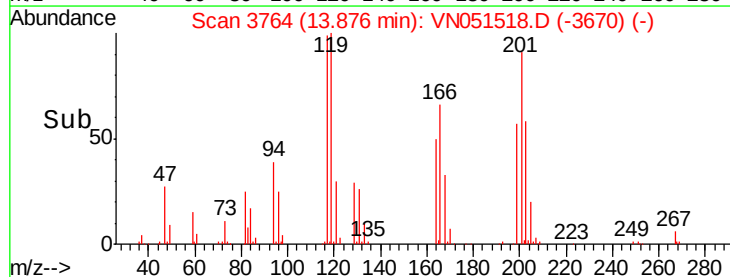
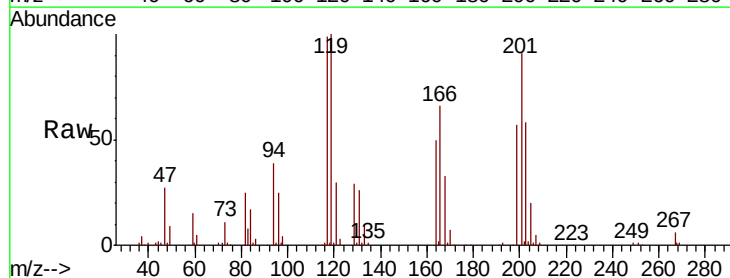
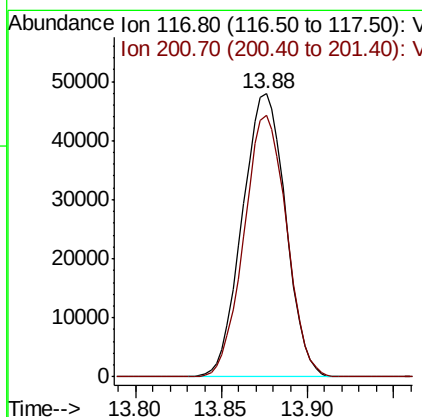
RT: 13.88 min Scan# 3764

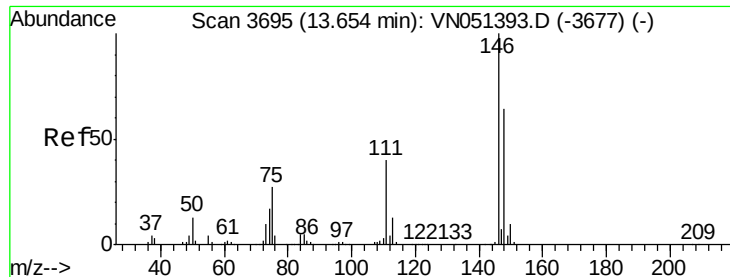
Delta R.T. 0.00 min

Lab File: VN051518.D

Acq: 26 Sep 2018 6:38

Tgt Ion:	117	Resp:	83771
Ion Ratio		Lower	Upper
117	100		
201	90.7	45.5	136.4





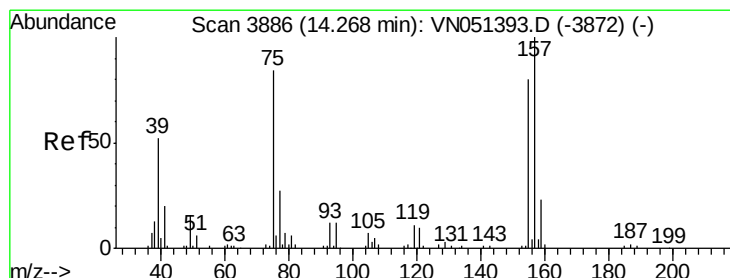
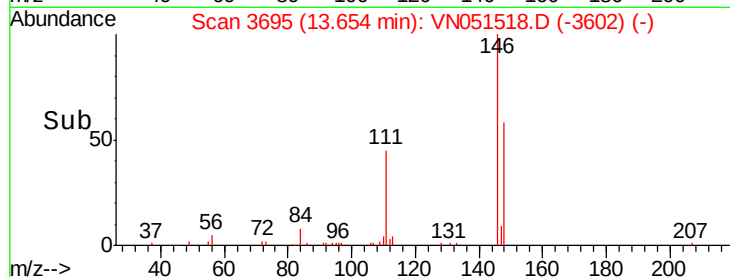
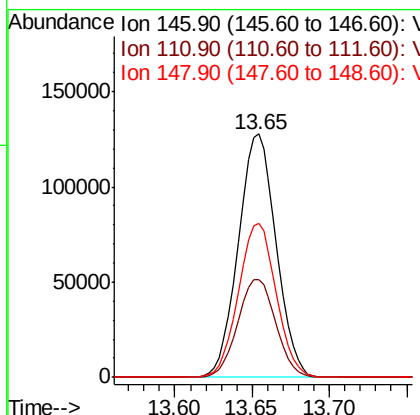
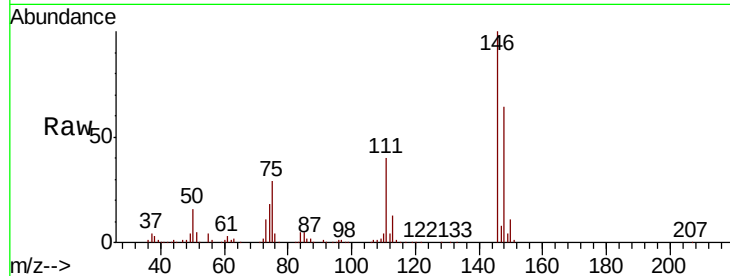
#91
 1,2-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	216971		
111	40.6	20.0	60.0	
148	63.2	32.1	96.5	

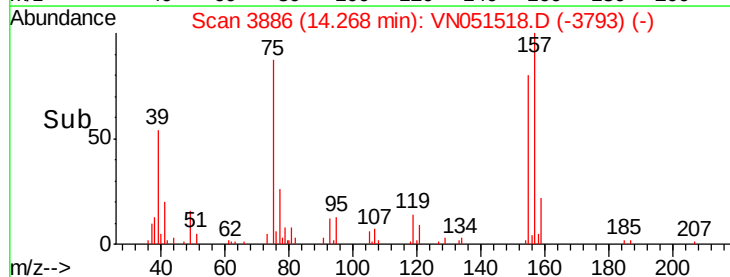
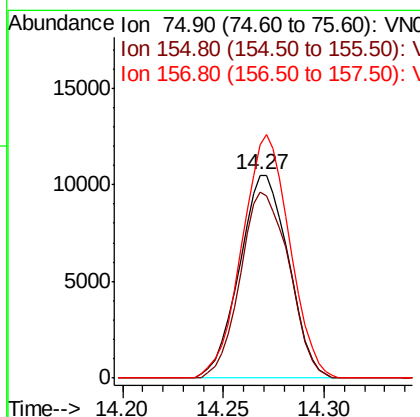
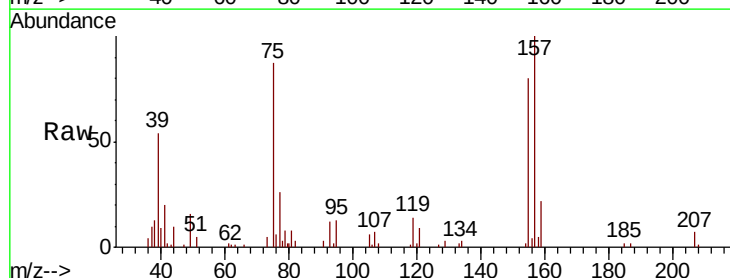
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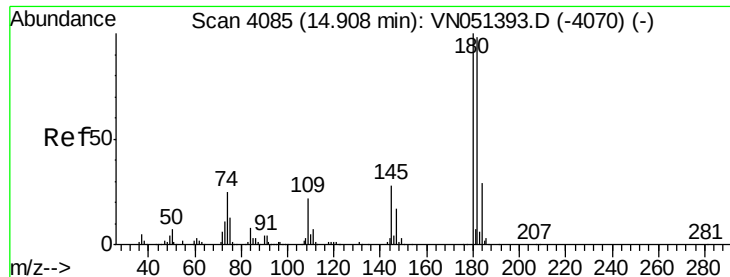
mmdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.437 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17886		
155	90.9	46.9	140.6	
157	116.4	58.4	175.1	





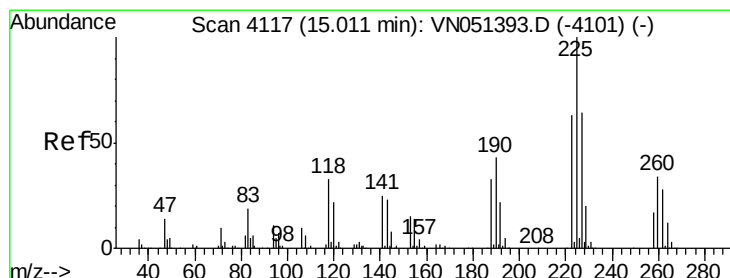
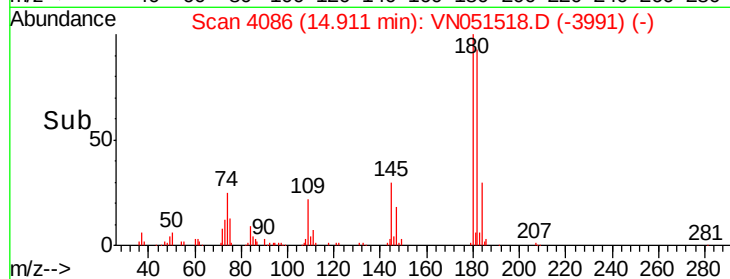
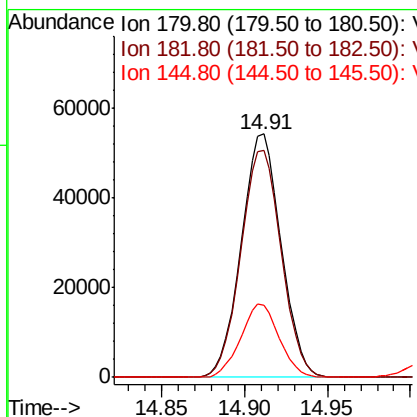
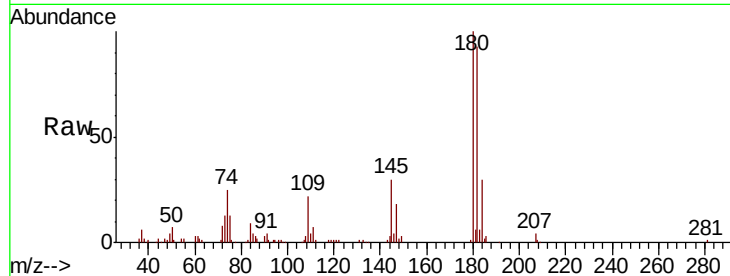
#93
 1,2,4-Trichlorobenzene
 Concen: 19.204 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.9	48.5	145.6
145	29.0	14.1	42.4

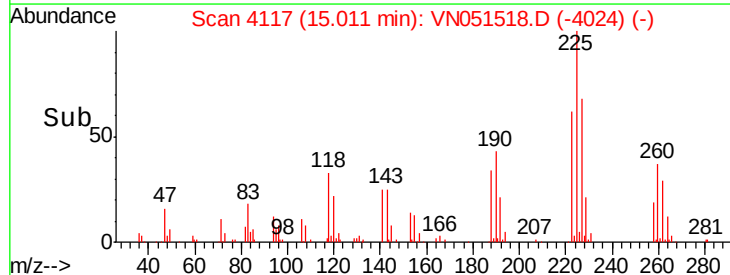
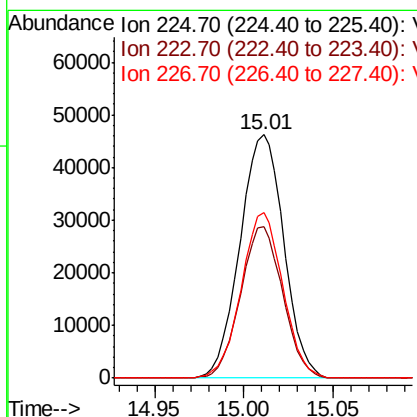
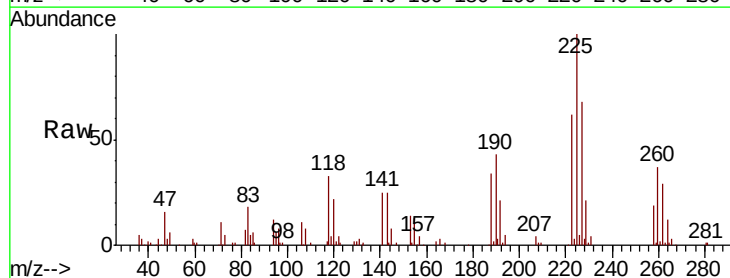
Manual Integrations
 APPROVED

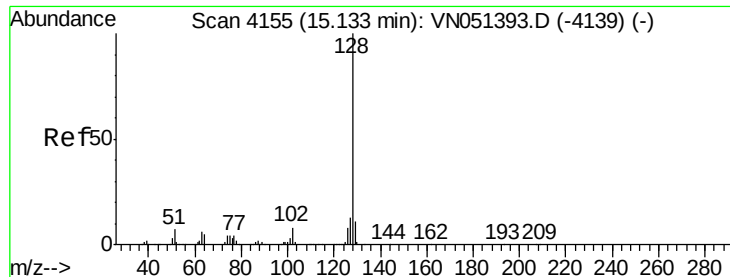
mmdadoda
 9/30/2018 9:54:43 AM



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051518.D
 Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	60.0	31.9	95.9
227	64.5	32.5	97.5





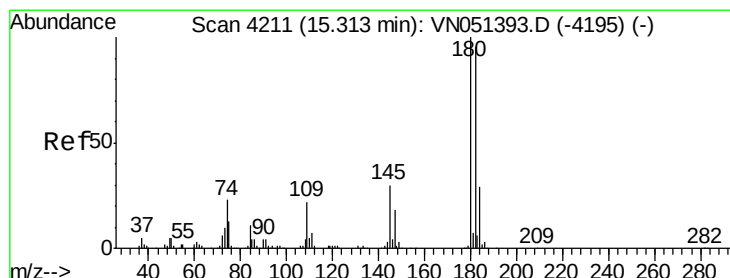
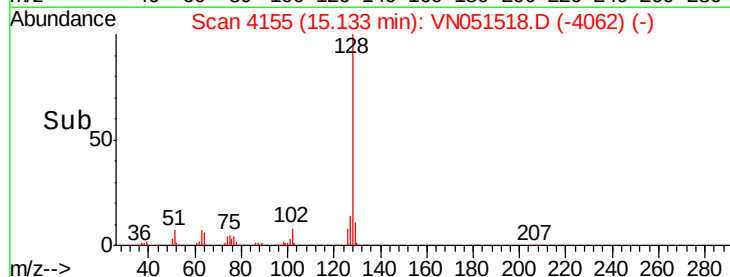
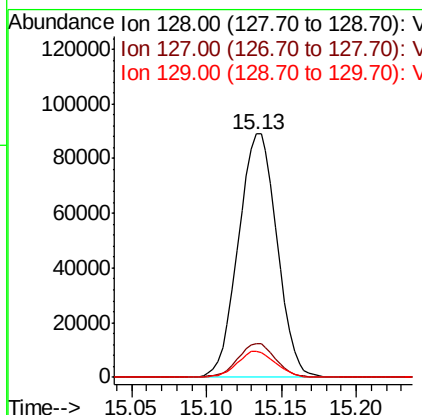
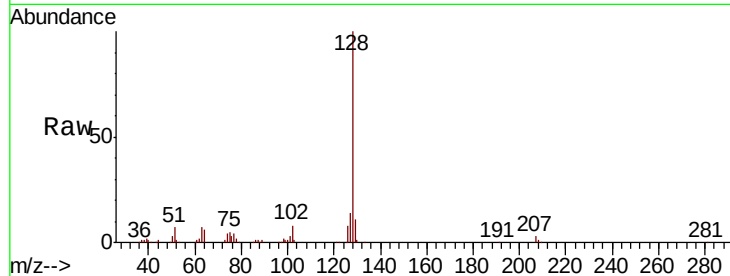
#95
Naphthalene
Concen: 19.630 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	160004		
127	13.7	10.5	15.7	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

mmdadoda
9/30/2018 9:54:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.842 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051518.D
Acq: 26 Sep 2018 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95712		
182	95.9	47.2	141.6	
145	30.6	14.6	43.8	

