

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092118\
 Data File : VN051359.D
 Acq On : 21 Sep 2018 10:12
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 10:53:30 AM

Quant Time: Sep 22 07:01:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114698	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	599125	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529781	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	200773	27.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.43%
60) 4-Bromofluorobenzene	12.40	95	236924	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	740211	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	103941	14.592 ug/l	97
3) Chloromethane	2.06	50	121532	14.449 ug/l	98
4) Vinyl Chloride	2.18	62	133492	16.063 ug/l	100
5) Bromomethane	2.57	94	70234	13.865 ug/l	100
6) Chloroethane	2.71	64	81973	16.723 ug/l	96
7) Trichlorofluoromethane	3.02	101	192121	17.438 ug/l	100
8) Diethyl Ether	3.41	74	57722	14.860 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	118636	17.389 ug/l	94
10) 1,1-Dichloroethene	3.74	96	99595	16.070 ug/l	94
11) Methyl Iodide	3.95	142	115660	20.002 ug/l	99
12) Methyl Acetate	4.33	43	76836	10.721 ug/l	93
13) Acrolein	3.61	56	17940m	113.051 ug/l	
14) Acrylonitrile	4.99	53	152026	62.742 ug/l	96
15) Acetone	3.82	58	39990	64.496 ug/l	81
16) Carbon Disulfide	4.05	76	288879	15.502 ug/l	100
17) Allyl chloride	4.32	41	139529	14.308 ug/l	99
18) Methylene Chloride	4.55	84	119990	16.495 ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	106798	16.173 ug/l	94
20) Diisopropyl ether	5.95	45	300176	14.829 ug/l	95
21) 1,1-Dichloroethane	5.85	63	199138	16.045 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	120898	16.208 ug/l	99
23) tert-Butyl Alcohol	4.77	59	27274m	52.928 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	246832	14.561 ug/l	99
25) Chloroform	7.37	83	210566	16.999 ug/l	99
26) Cyclohexane	7.65	56	156942	15.263 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	151798	16.924 ug/l	99
30) 2-Butanone	6.84	43	167061	60.545 ug/l	97
31) 2,2-Dichloropropane	6.82	77	167169	19.154 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	184495	18.139 ug/l	97
33) Carbon Tetrachloride	7.77	117	167618	18.299 ug/l	99
34) Benzene	8.04	78	462438	16.666 ug/l	99
35) Methacrylonitrile	7.19	41	47017m	15.553 ug/l	
36) 1,2-Dichloroethane	8.12	62	139665	16.643 ug/l	100
37) Trichloroethene	8.83	130	130928	18.053 ug/l	96
38) Methylcyclohexane	9.08	83	173217	17.981 ug/l	98
39) 1,2-Dichloropropane	9.12	63	120279	16.597 ug/l	98
40) Dibromomethane	9.21	93	72468	16.600 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	157525	17.118	ug/l	99
42) Vinyl Acetate	5.90	43	898164	70.668	ug/l	96
43) Ethyl Acetate	6.93	43	65428	11.575	ug/l #	86
44) Isopropyl Acetate	8.17	43	138065	13.842	ug/l	100
45) 1,4-Dioxane	9.20	88	18984	256.214	ug/l	98
46) Methyl methacrylate	9.20	41	61219	12.255	ug/l	97
47) n-amyl Acetate	12.07	43	103259	12.876	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	146124	16.199	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	175421	16.929	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	111111	17.517	ug/l	95
51) Ethyl methacrylate	10.43	69	109164	14.066	ug/l	97
52) 1,3-Dichloropropane	10.71	76	168599	16.047	ug/l	98
53) Dibromochloromethane	10.90	129	124820	17.306	ug/l	100
54) 1,2-Dibromoethane	11.00	107	100530	16.029	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	262104	81.169	ug/l	97
56) Bromoform	12.13	173	85016	16.573	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	356219	58.767	ug/l	97
59) 2-Hexanone	10.75	43	235409	59.416	ug/l	98
61) Tetrachloroethene	10.63	164	123260	18.671	ug/l	99
62) Toluene	10.16	91	514894	17.421	ug/l	100
64) Chlorobenzene	11.43	112	331996	18.124	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	125441	18.137	ug/l	97
66) Ethyl Benzene	11.51	91	513497	16.773	ug/l	99
67) m/p-Xylenes	11.62	106	429499	36.462	ug/l	95
68) o-Xylene	11.95	106	205109	18.223	ug/l	94
69) Styrene	11.96	104	313832	17.537	ug/l	99
70) Isopropylbenzene	12.25	105	543491	18.172	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	124528	15.378	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	95875m	13.724	ug/l	
73) Bromobenzene	12.53	156	141848	18.026	ug/l	92
74) n-propylbenzene	12.59	91	605355	17.903	ug/l	98
75) 2-Chlorotoluene	12.67	91	369586	17.992	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	460368	18.836	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	30970	15.560	ug/l	98
78) 4-Chlorotoluene	12.77	91	359546	17.776	ug/l	97
79) tert-butylbenzene	12.99	119	412423	19.430	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	460144	18.883	ug/l	99
81) sec-Butylbenzene	13.17	105	553335	19.924	ug/l	99
82) p-Isopropyltoluene	13.29	119	481948	20.105	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	247464	18.601	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	228278	18.109	ug/l	98
85) n-Butylbenzene	13.62	91	341021	18.644	ug/l	99
86) Hexachloroethane	13.87	117	94685	20.578	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	238618	18.222	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15213	13.429	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	98371	16.874	ug/l	98
90) Hexachlorobutadiene	15.01	225	98304	24.819	ug/l	98
91) Naphthalene	15.13	128	145003	16.535	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	102168	17.465	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

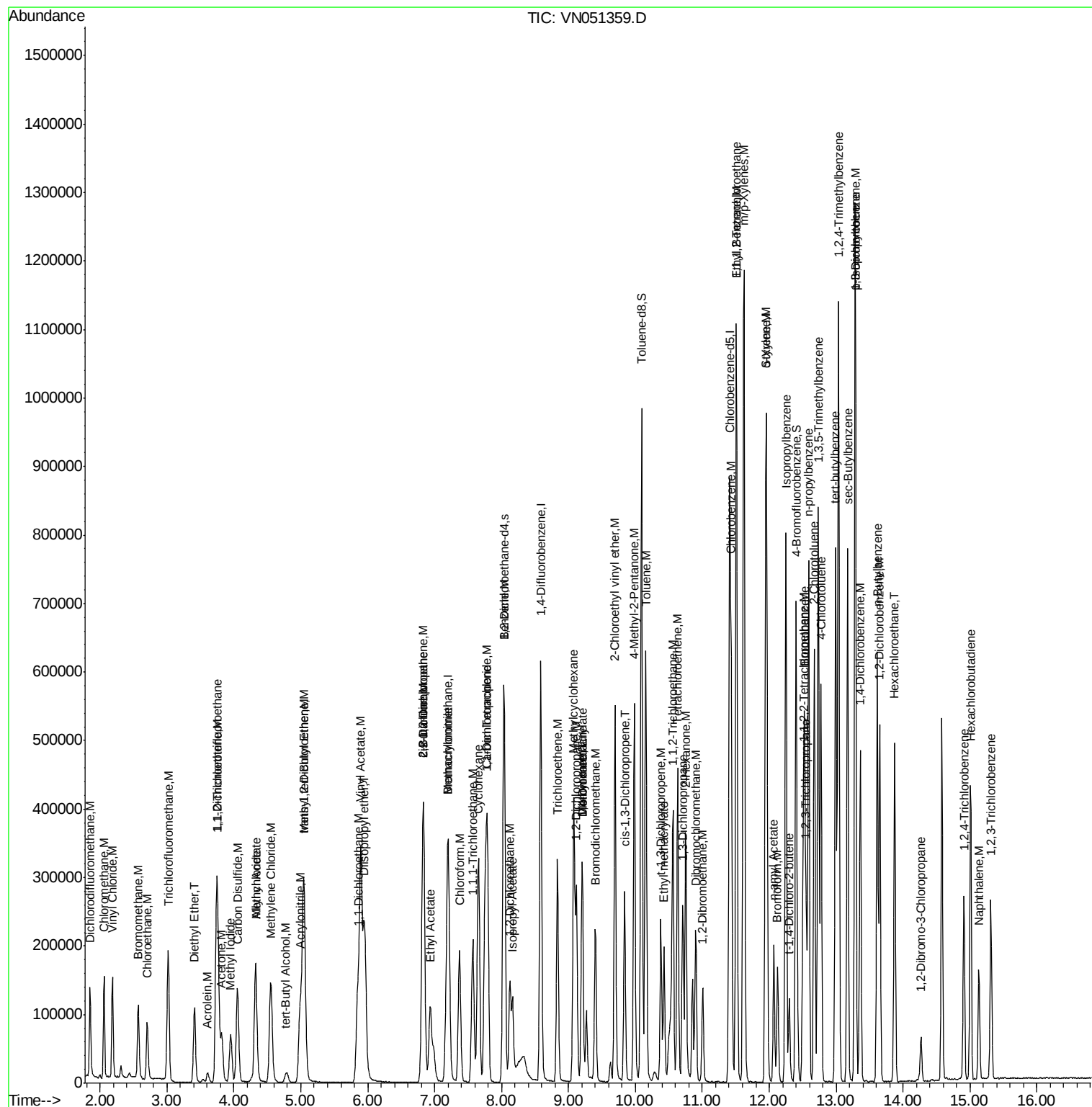
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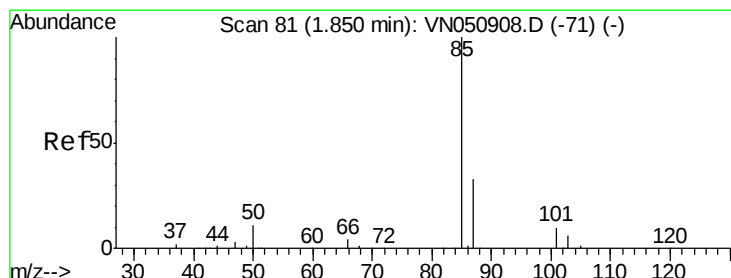
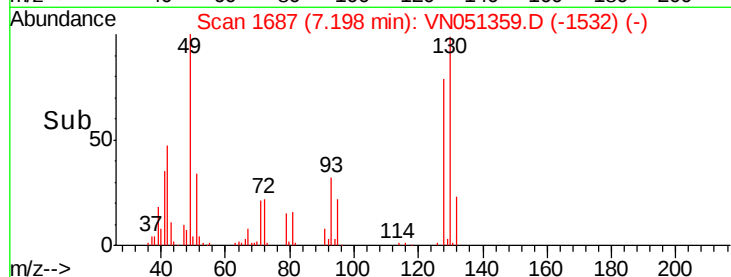
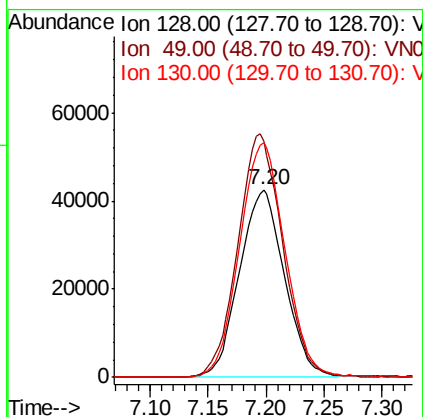
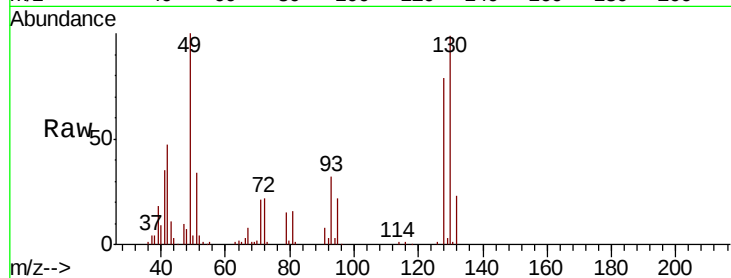
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	114698		
49	129.9	0.0	380.3	
130	126.7	0.0	325.3	

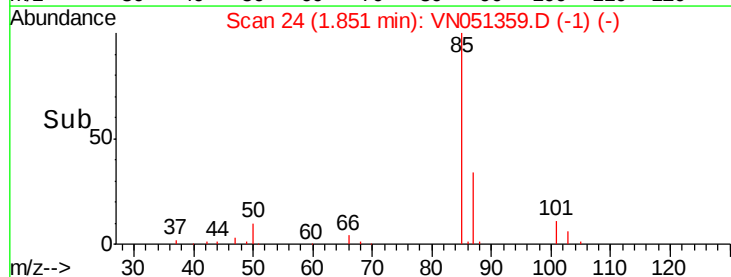
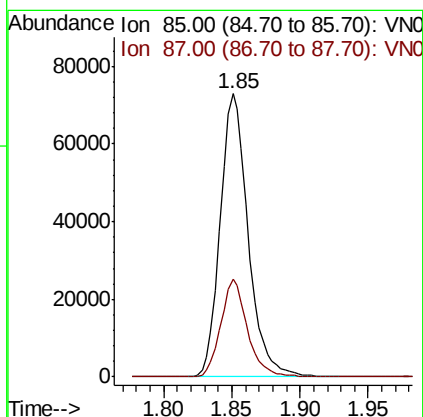
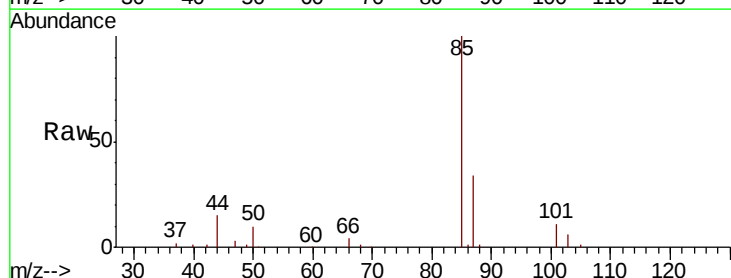
Manual Integrations
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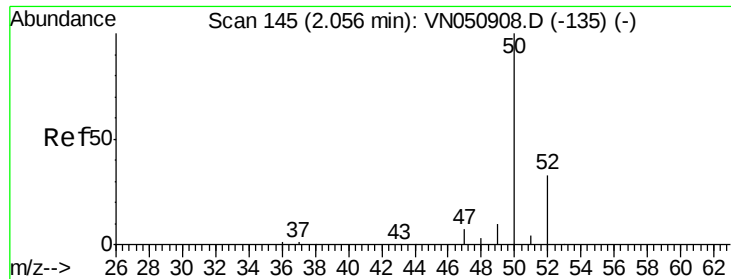
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#2
 Dichlorodifluoromethane
 Concen: 14.592 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	103941		
87	34.3	16.4	49.1	





#3

Chloromethane

Concen: 14.449 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 121532

Ion Ratio Lower Upper

50 100

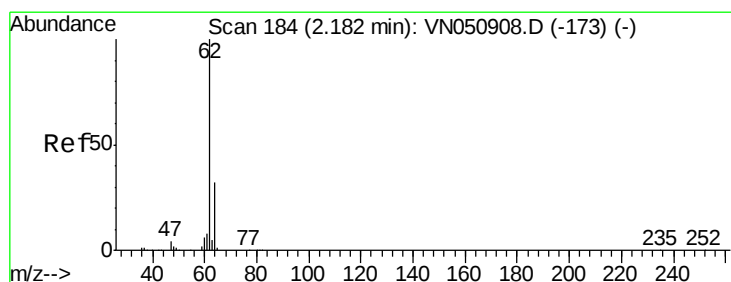
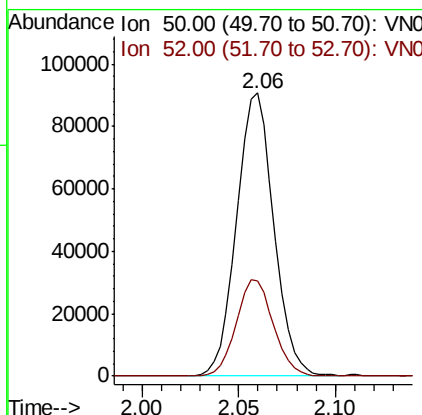
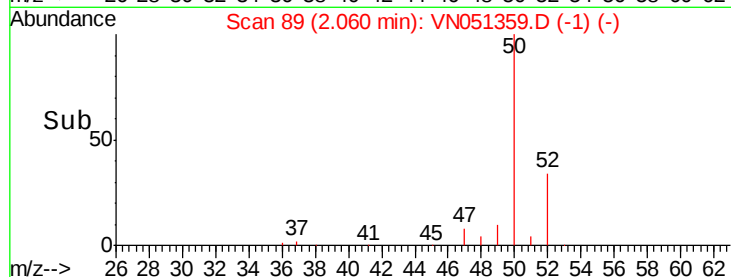
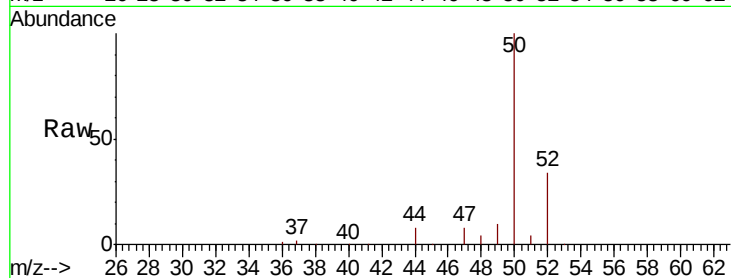
52 33.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.063 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051359.D

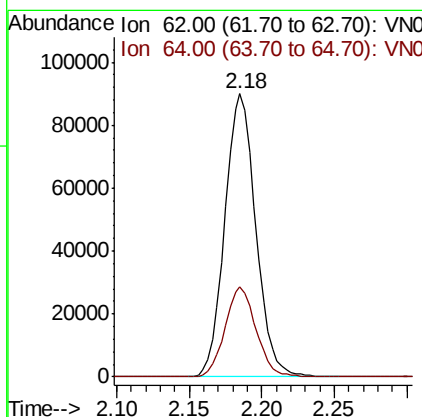
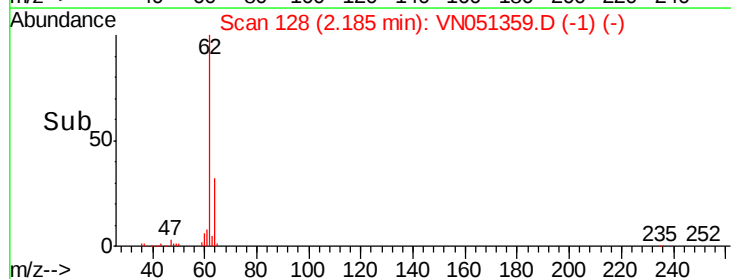
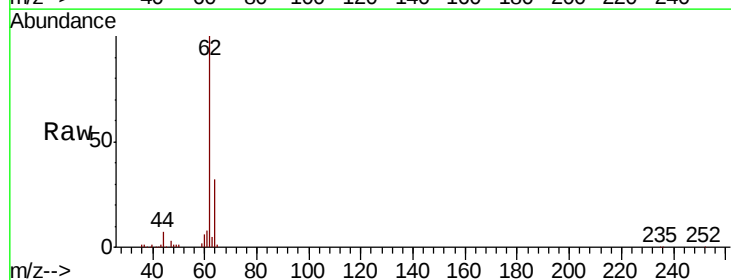
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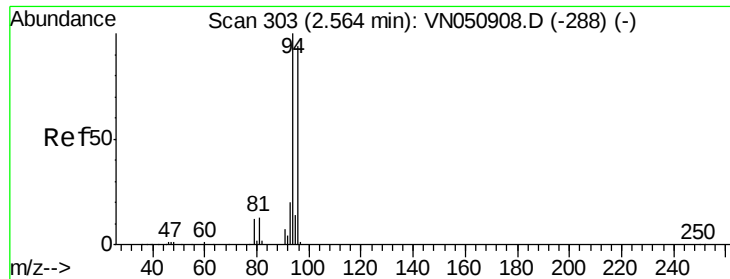
Tgt Ion: 62 Resp: 133492

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 13.865 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 70234

Ion Ratio Lower Upper

94 100

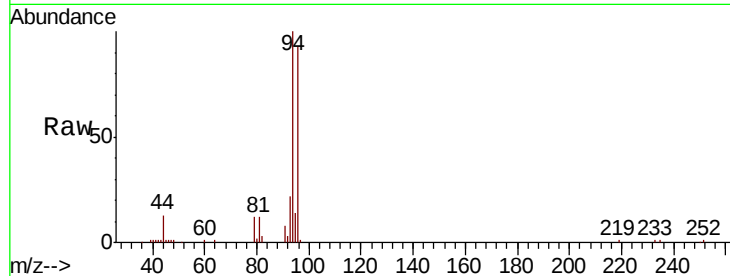
96 93.1 74.9 112.3

Manual Integrations

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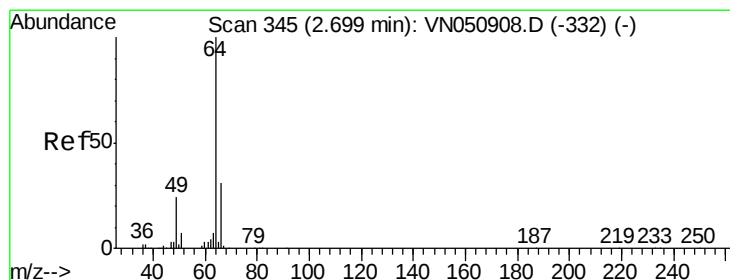
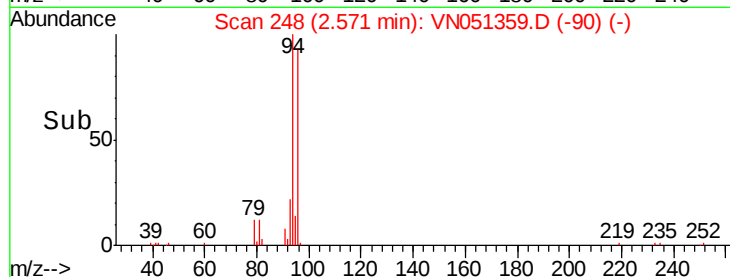
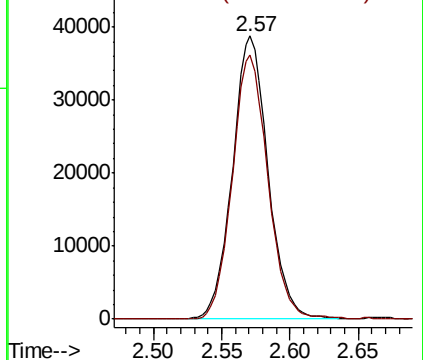
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.723 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051359.D

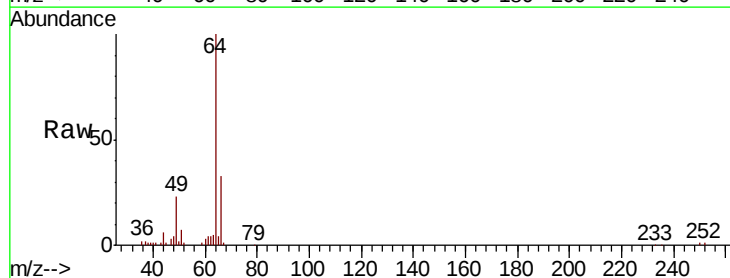
Acq: 21 Sep 2018 10:12

Tgt Ion: 64 Resp: 81973

Ion Ratio Lower Upper

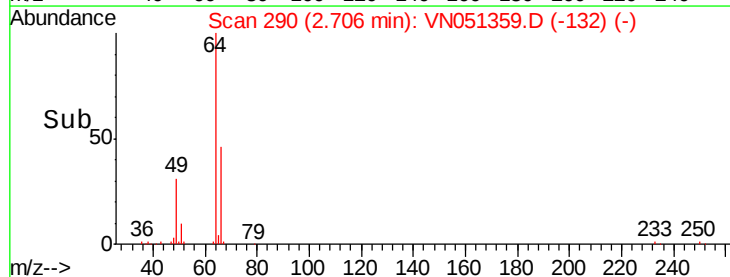
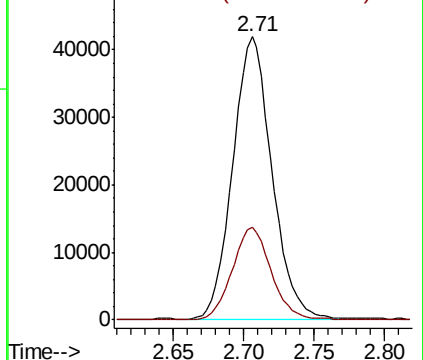
64 100

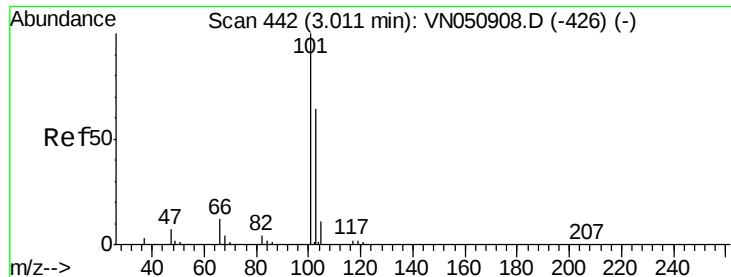
66 32.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

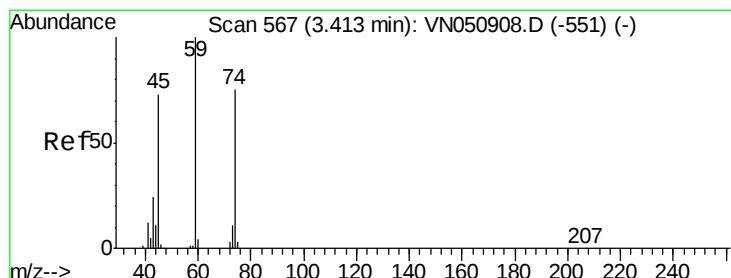
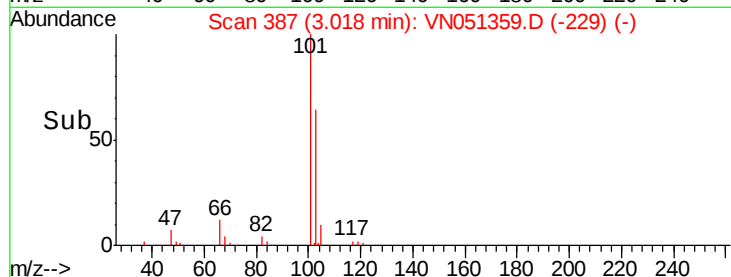
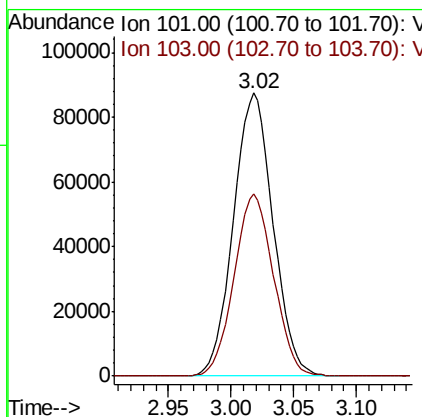
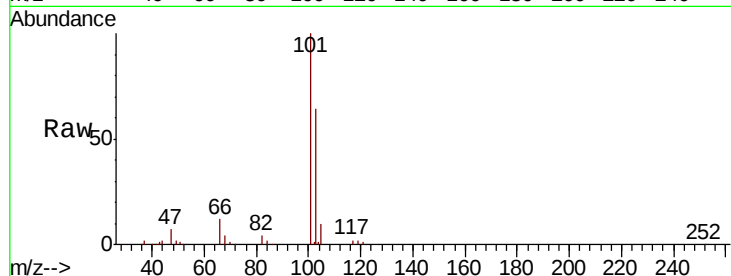
Trichlorofluoromethane
 Concen: 17.438 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	192121		
103	64.3	51.3	76.9	

Manual Integrations
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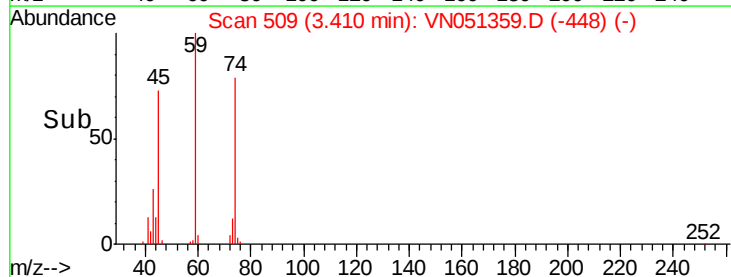
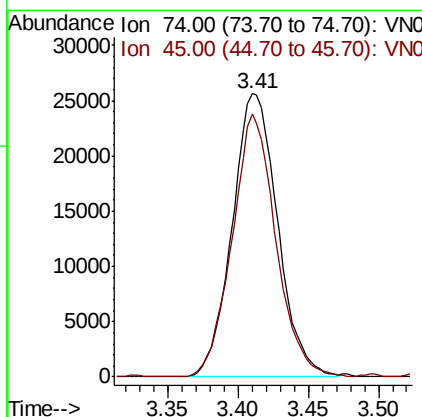
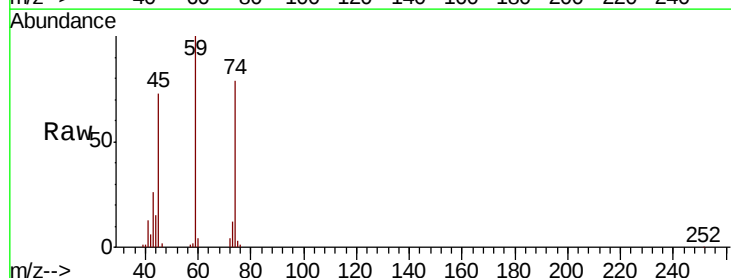
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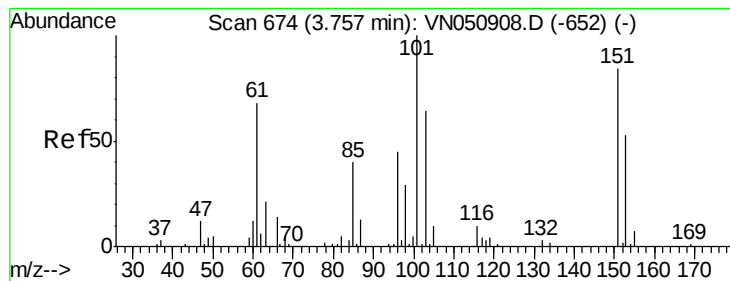


#8

Diethyl Ether
 Concen: 14.860 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57722		
45	89.3	19.7	177.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.389 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

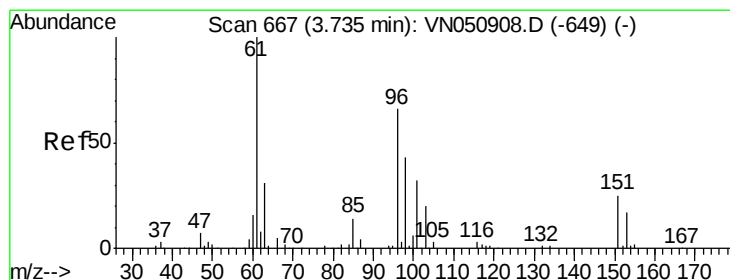
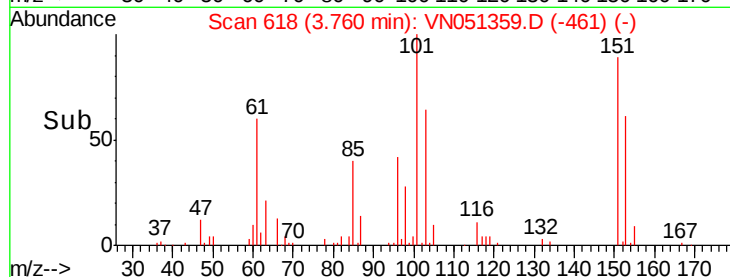
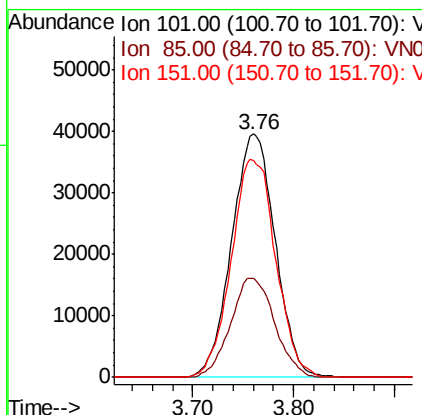
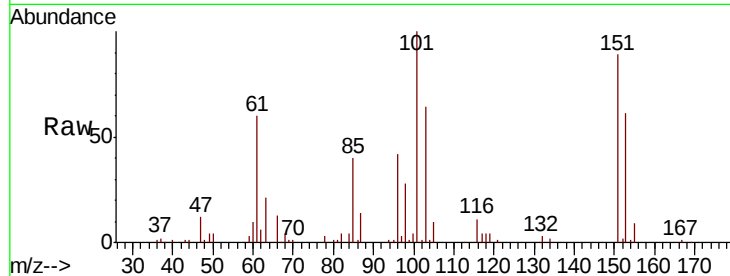
ClientSampled :

VSTDCCC020

Tgt Ion:	101	Resp:	118636
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	83.6
151	91.3	0.0	167.0

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#10

1,1-Dichloroethene

Concen: 16.070 ug/l

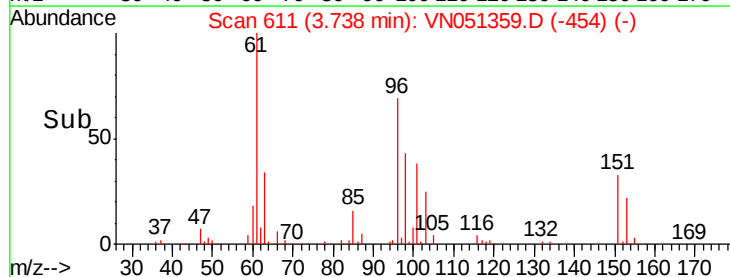
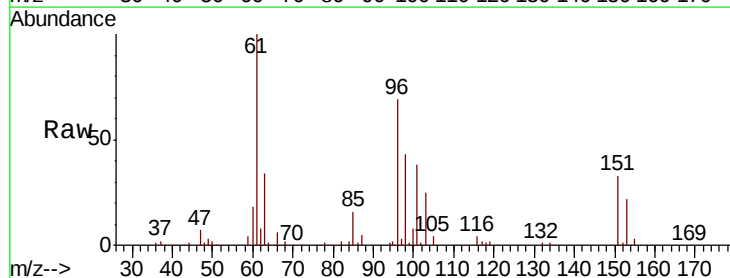
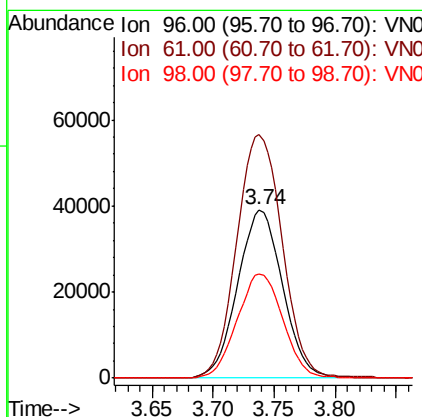
RT: 3.74 min Scan# 611

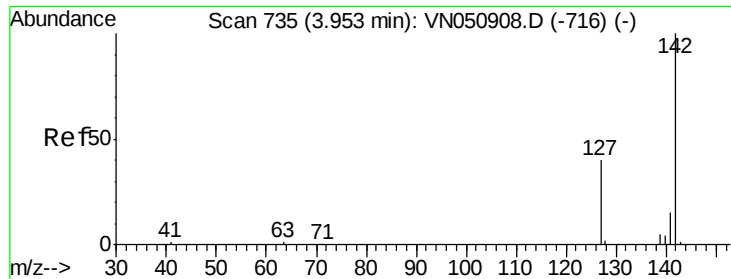
Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	96	Resp:	99595
Ion Ratio	Lower	Upper	
96	100		
61	144.3	121.8	182.8
98	61.6	52.3	78.5





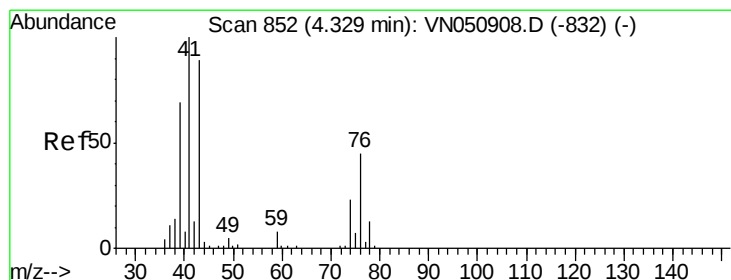
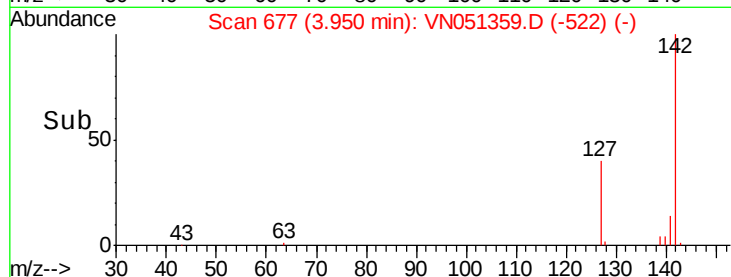
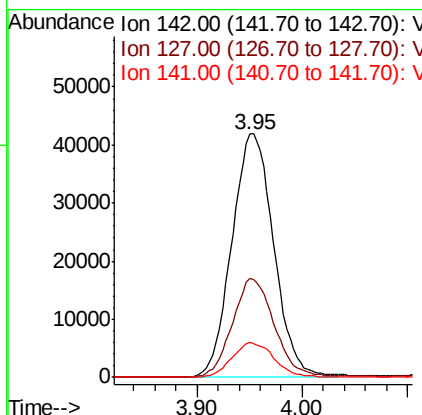
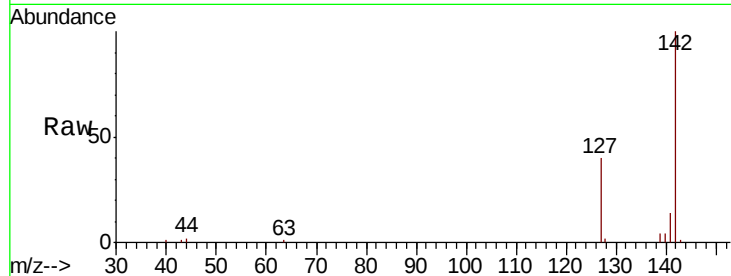
#11
Methyl Iodide
Concen: 20.002 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.3	19.7	59.1
141	14.3	7.3	22.0

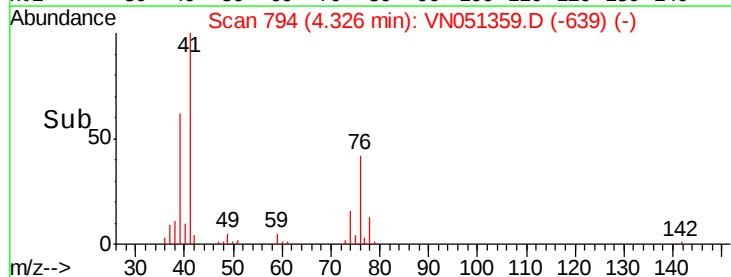
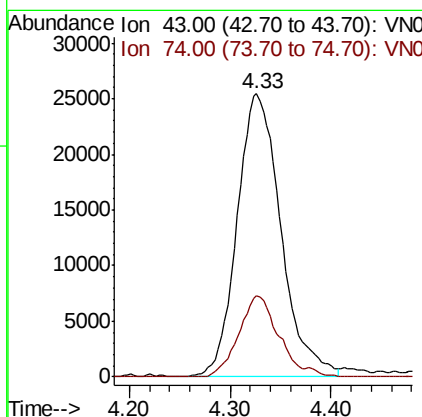
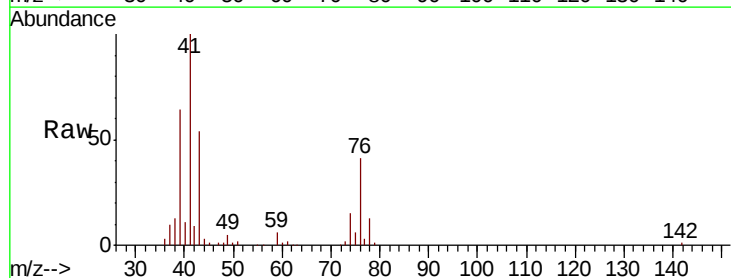
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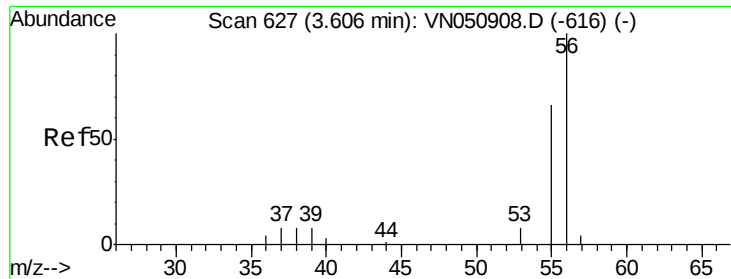
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#12
Methyl Acetate
Concen: 10.721 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	20.6	31.0





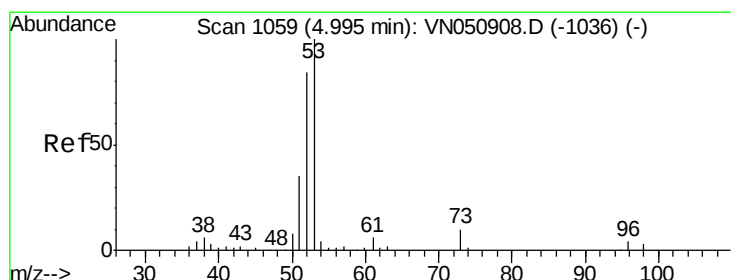
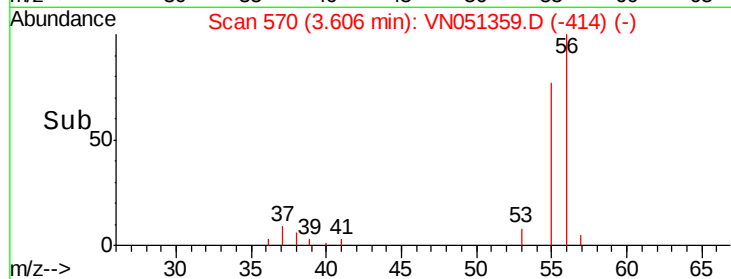
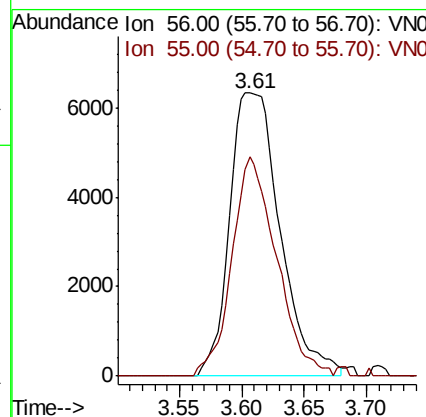
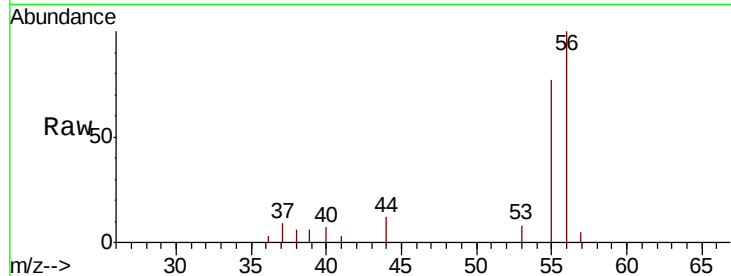
#13
Acrolein
Concen: 113.051 ug/l m
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 17940
Ion Ratio Lower Upper
56 100
55 67.7 59.1 88.7

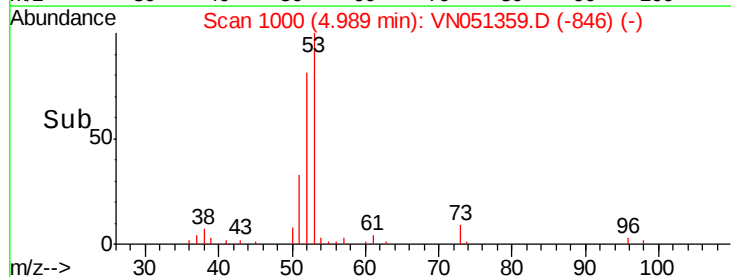
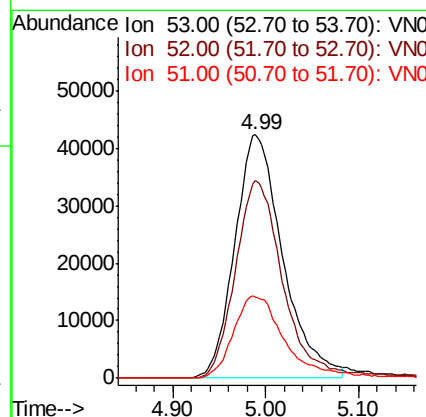
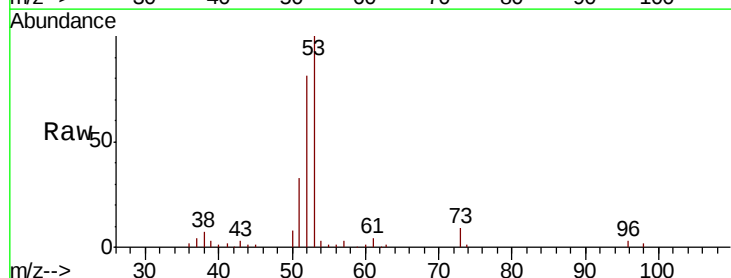
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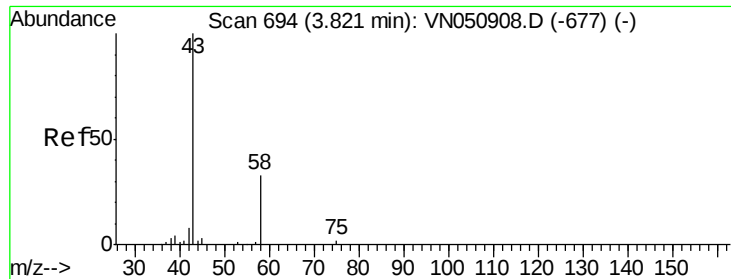
MMDadoda
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#14
Acrylonitrile
Concen: 62.742 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 53 Resp: 152026
Ion Ratio Lower Upper
53 100
52 79.5 42.2 126.6
51 35.7 17.7 53.1





#15

Acetone

Concen: 64.496 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 58 Resp: 39990

Ion Ratio Lower Upper

58 100

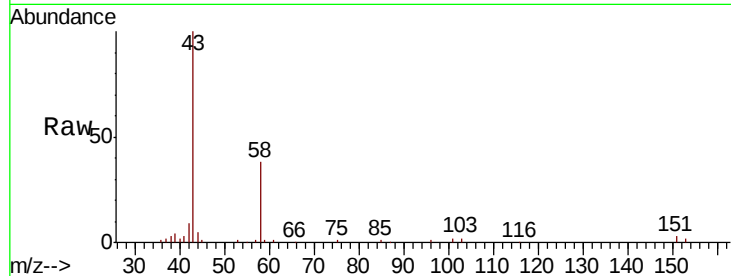
43 262.4 239.4 359.0

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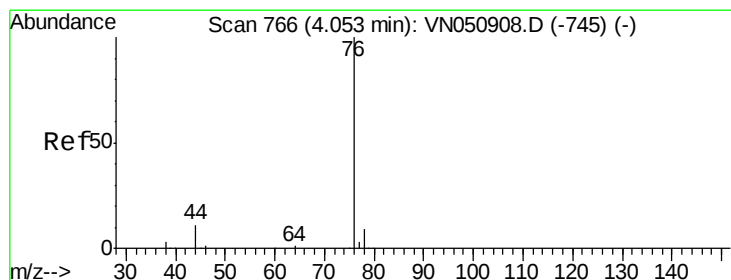
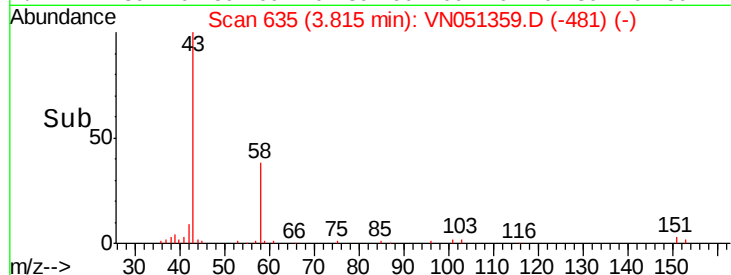
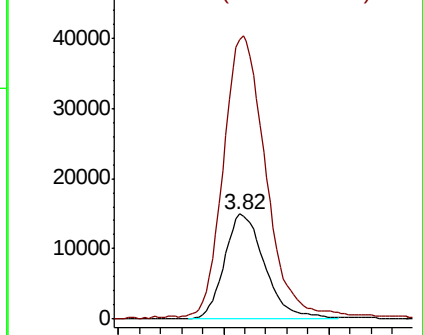
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.502 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051359.D

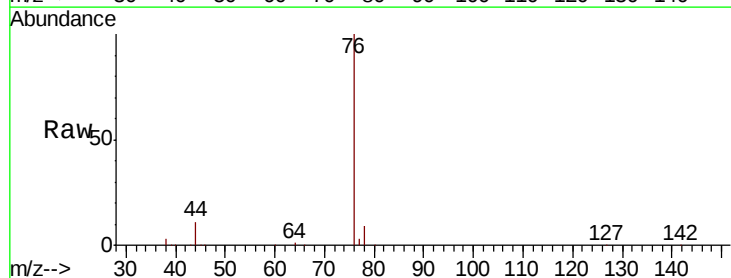
Acq: 21 Sep 2018 10:12

Tgt Ion: 76 Resp: 288879

Ion Ratio Lower Upper

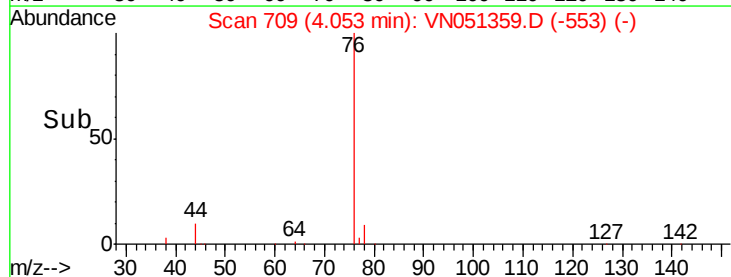
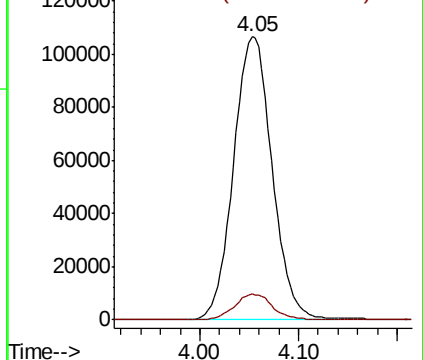
76 100

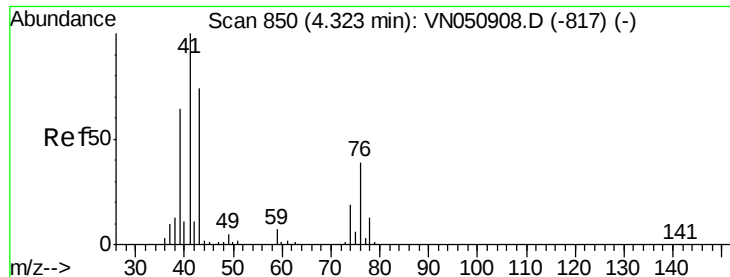
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 14.308 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

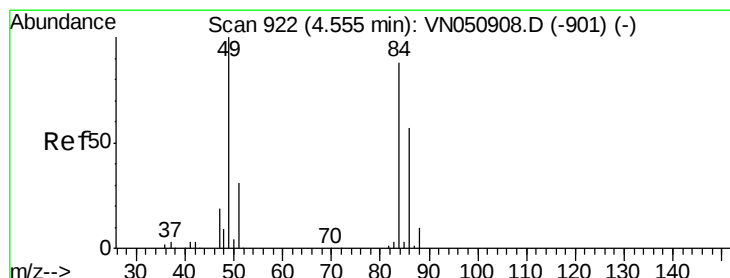
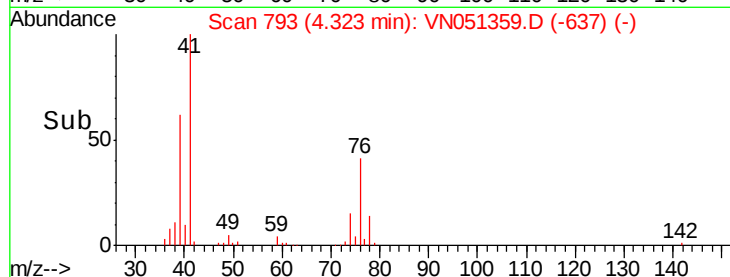
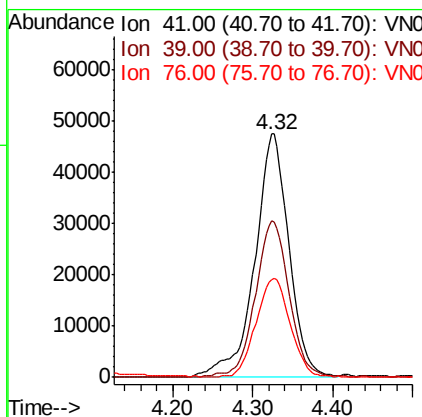
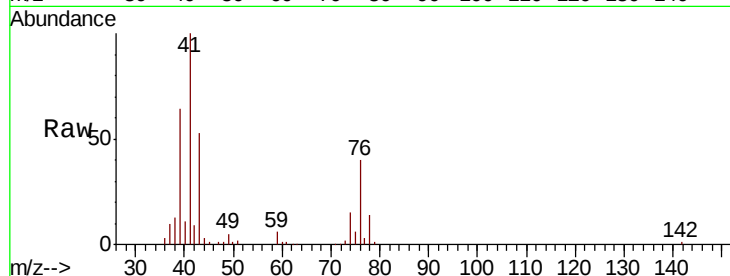
ClientSampleId :

VSTDCCC020

Tgt Ion:	41	Resp:	139529
Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.2	96.6
76	40.0	19.6	58.7

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#18

Methylene Chloride

Concen: 16.495 ug/l

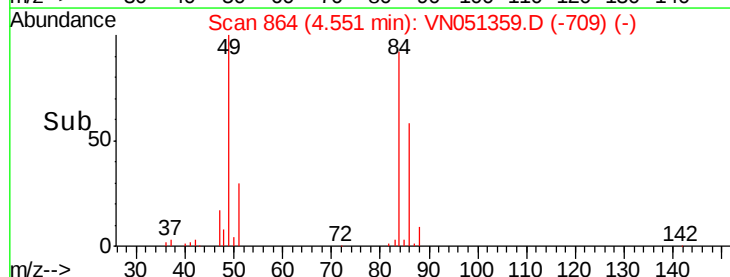
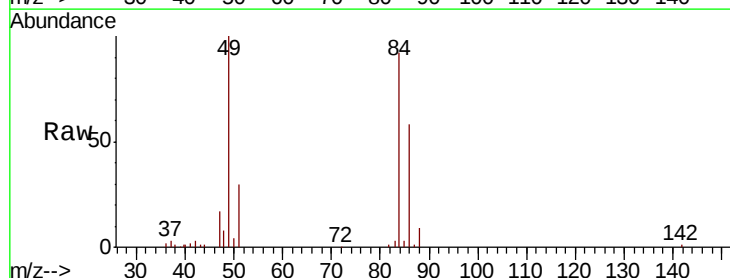
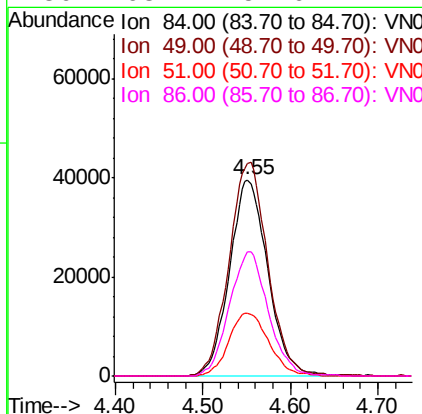
RT: 4.55 min Scan# 864

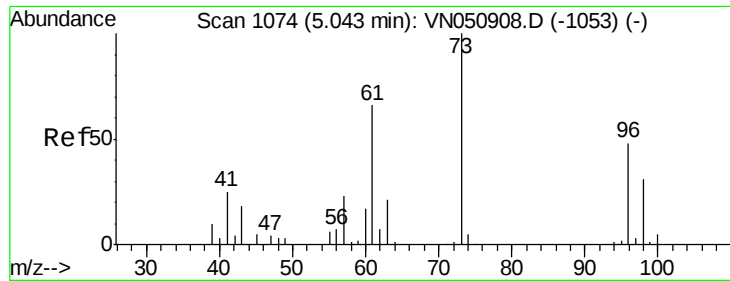
Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	84	Resp:	119990
Ion	Ratio	Lower	Upper
84	100		
49	108.4	90.6	135.8
51	32.0	28.4	42.6
86	63.1	51.6	77.4





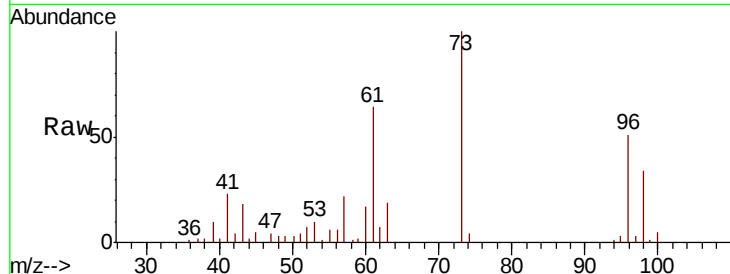
#19
trans-1,2-Dichloroethene
Concen: 16.173 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.5	109.5	164.3
98	66.0	51.9	77.9

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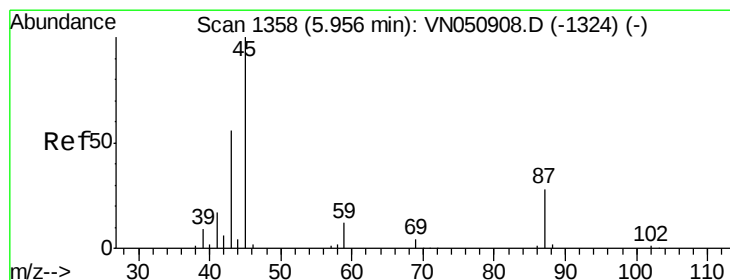
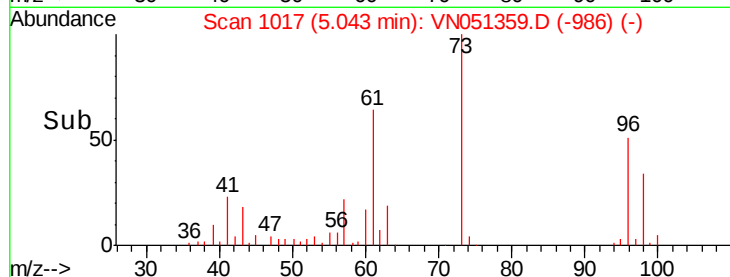
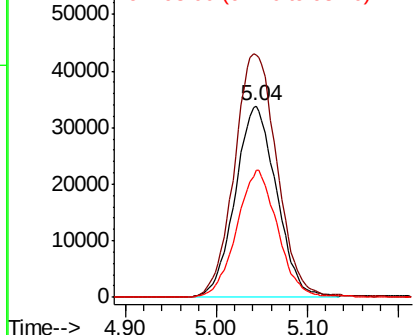


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 14.829 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	47.0	70.6
87	33.1	22.8	34.2
59	12.6	9.5	14.3

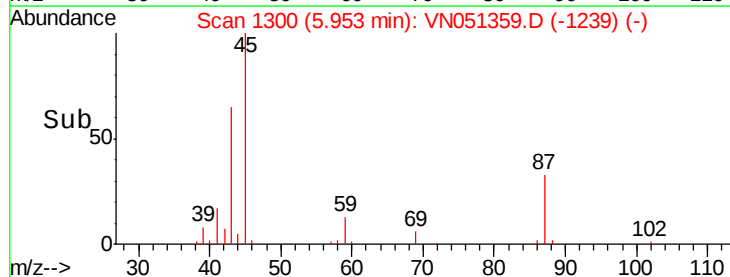
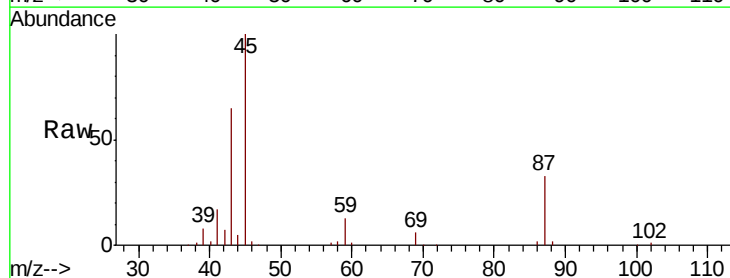
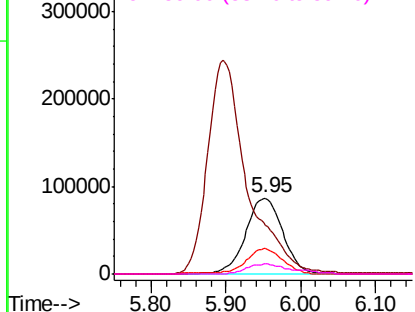
Abundance

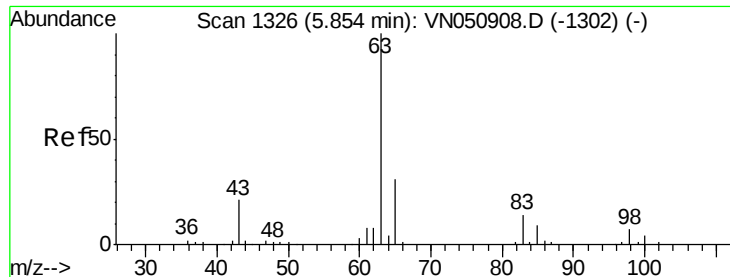
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





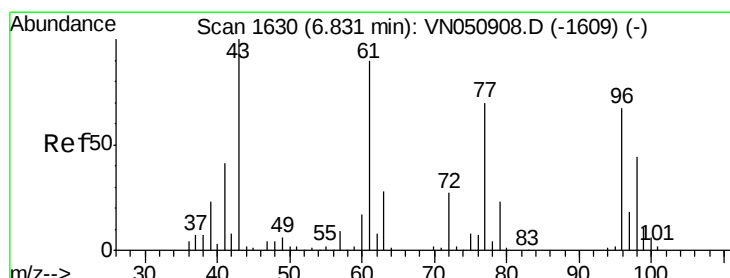
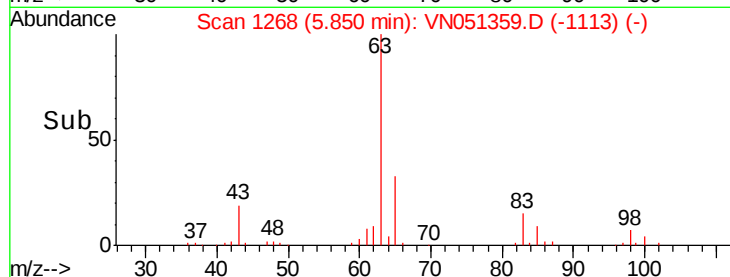
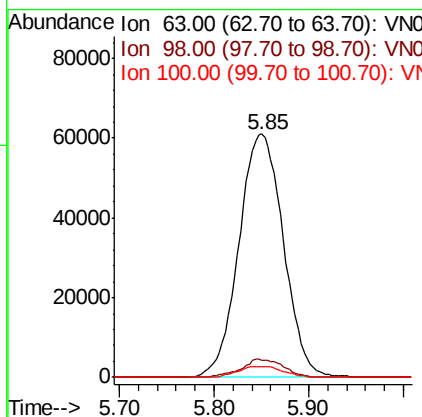
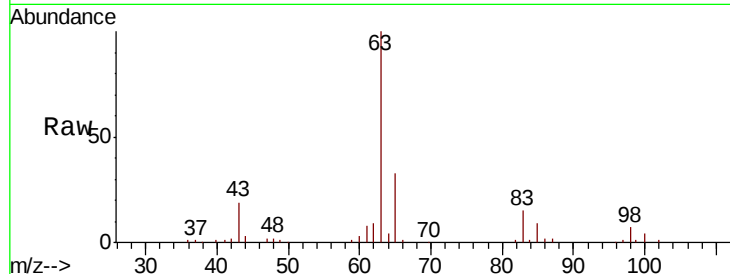
#21
 1,1-Dichloroethane
 Concen: 16.045 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	199138		
98	7.1	3.3	9.9	
100	4.3	2.0	6.0	

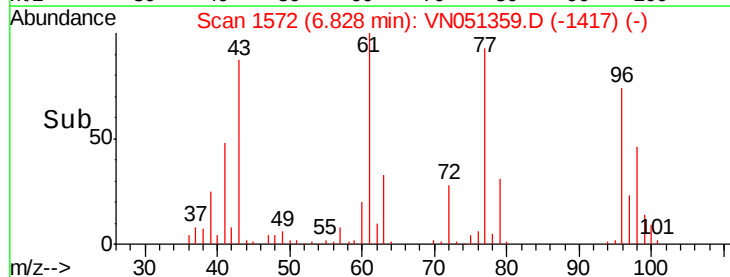
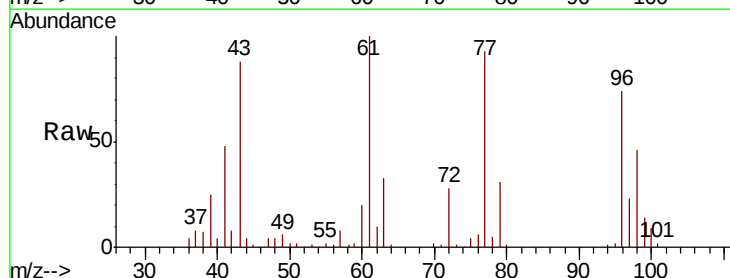
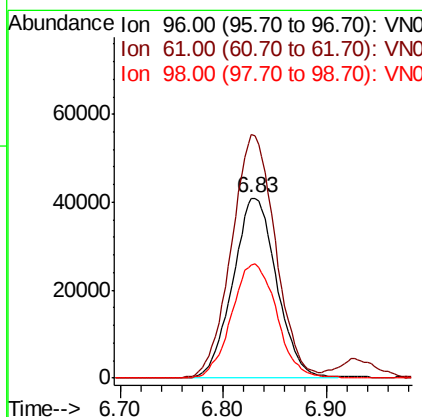
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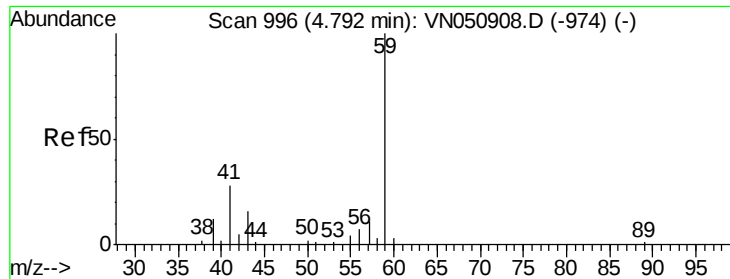
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#22
 cis-1,2-Dichloroethene
 Concen: 16.208 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120898		
61	135.7	110.0	165.0	
98	65.4	51.7	77.5	





#23

tert-Butyl Alcohol

Concen: 52.928 ug/l m

RT: 4.77 min Scan# 933

Delta R.T. -0.02 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 27274

Ion Ratio Lower Upper

59 100

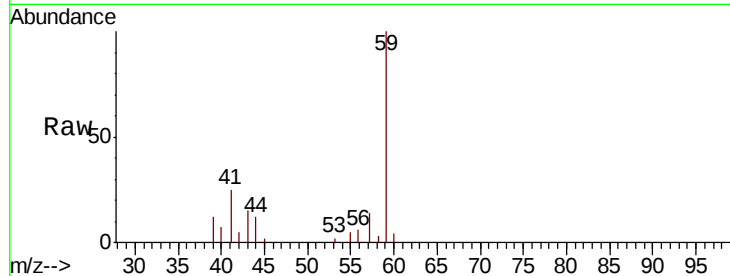
52 0.0 0.1 0.1#

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

8000

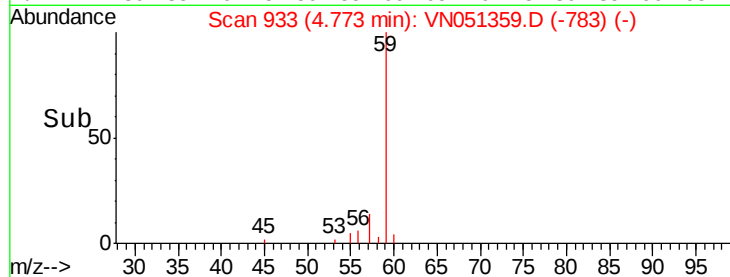
6000

4000

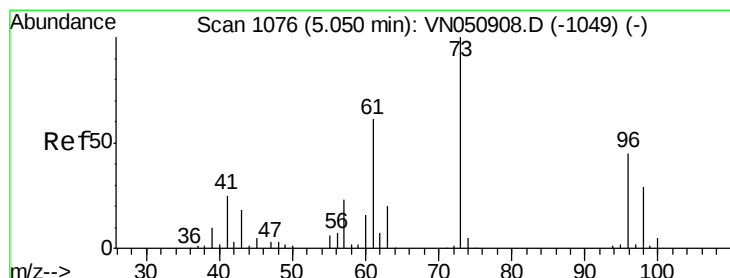
2000

0

Time-->



Time-->



#24

Methyl tert-Butyl Ether

Concen: 14.561 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051359.D

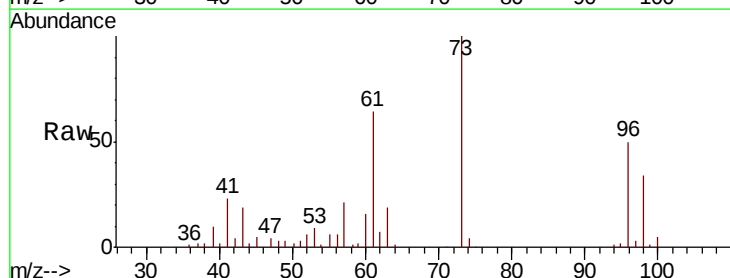
Acq: 21 Sep 2018 10:12

Tgt Ion: 73 Resp: 246832

Ion Ratio Lower Upper

73 100

43 18.6 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

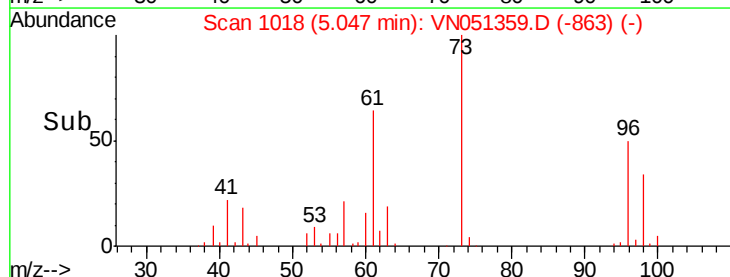
60000

40000

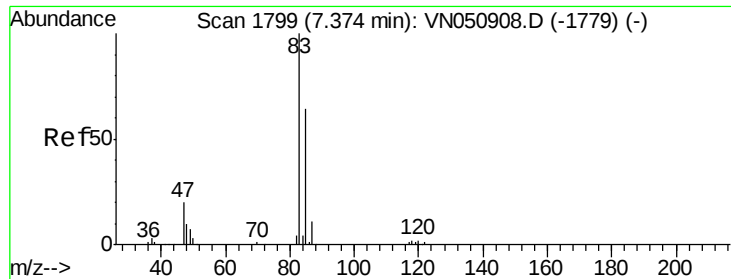
20000

0

Time-->



Time-->



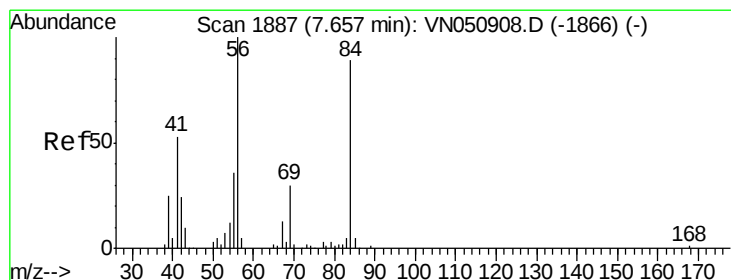
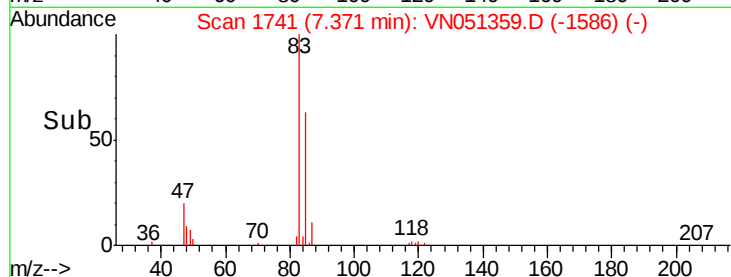
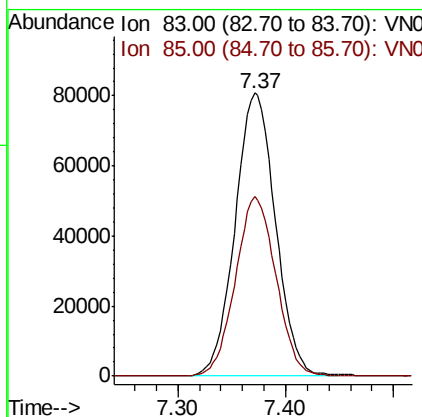
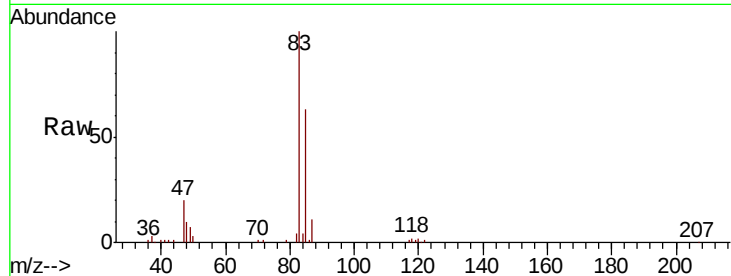
#25
Chloroform
Concen: 16.999 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 210566
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.0

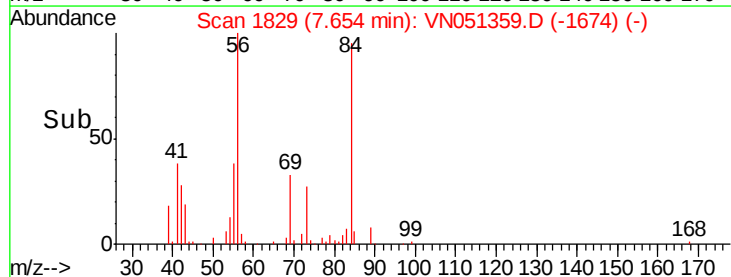
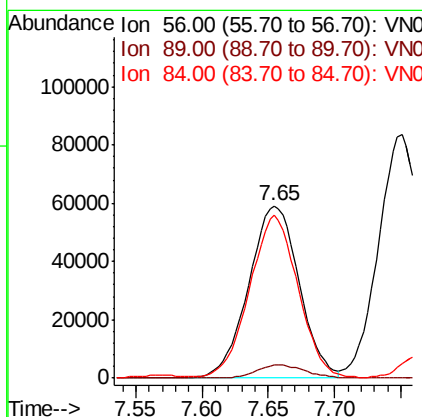
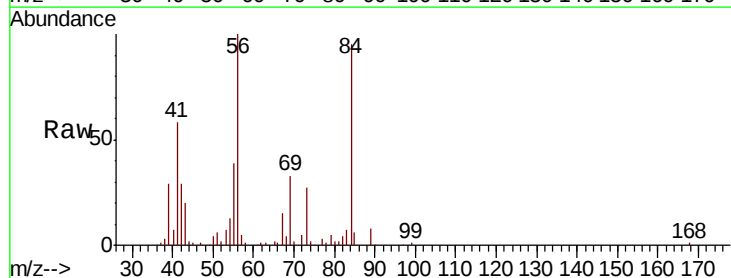
Manual Integrations
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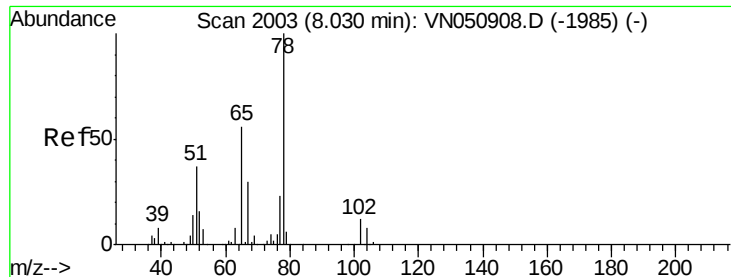
MMDadoda
9/25/2018 10:53:30 AM



#26
Cyclohexane
Concen: 15.263 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 56 Resp: 156942
Ion Ratio Lower Upper
56 100
89 7.3 0.4 0.6#
84 90.8 70.4 105.6





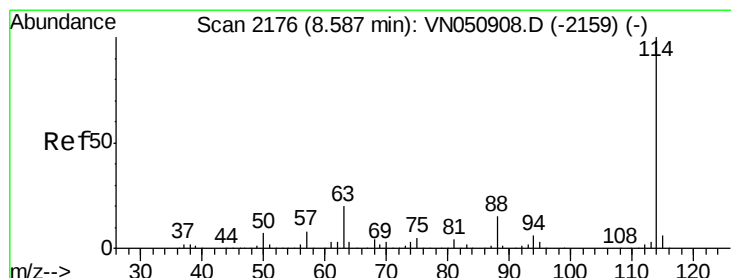
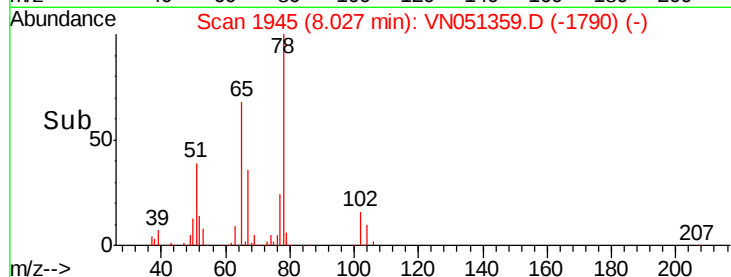
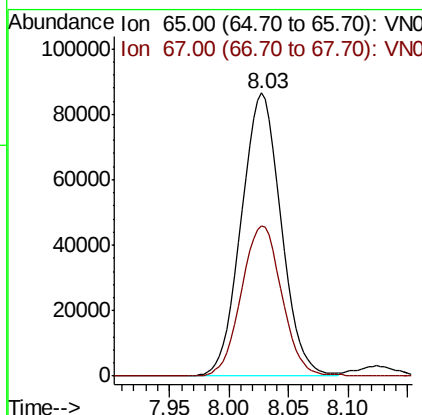
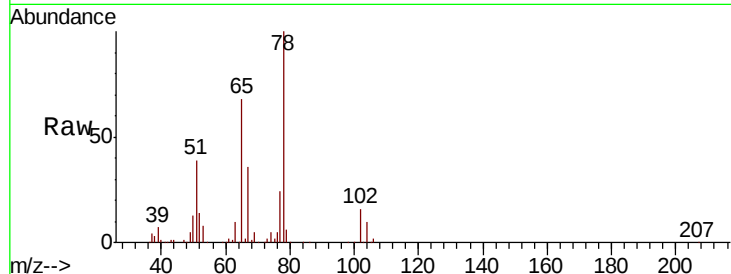
#27
 1,2-Dichloroethane-d4
 Concen: 27.430 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 65 Resp: 200773
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.7 65.5

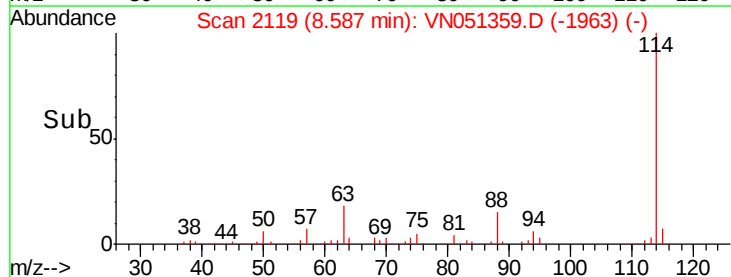
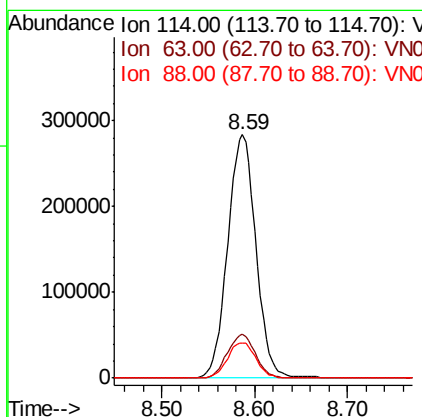
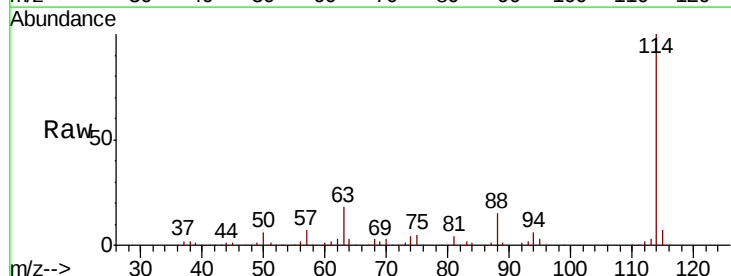
Manual Integrations
 APPROVED

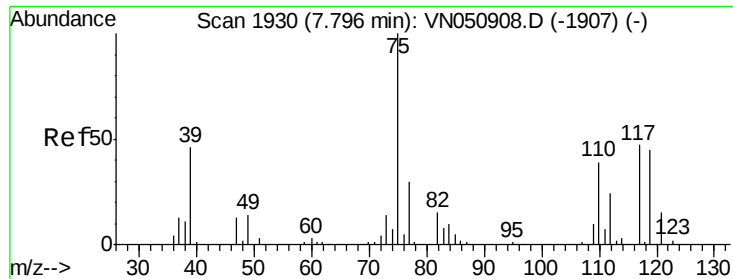
MMDadoda
 9/25/2018 10:53:30 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion: 114 Resp: 599125
 Ion Ratio Lower Upper
 114 100
 63 18.0 15.6 23.4
 88 14.7 12.2 18.4





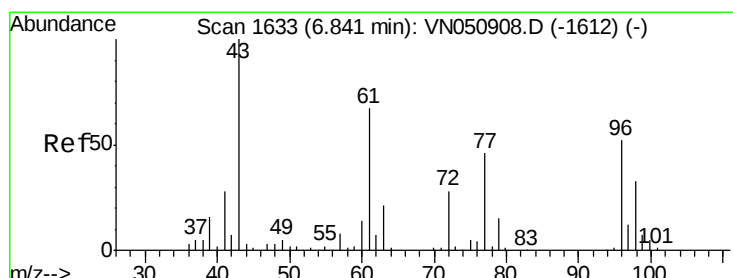
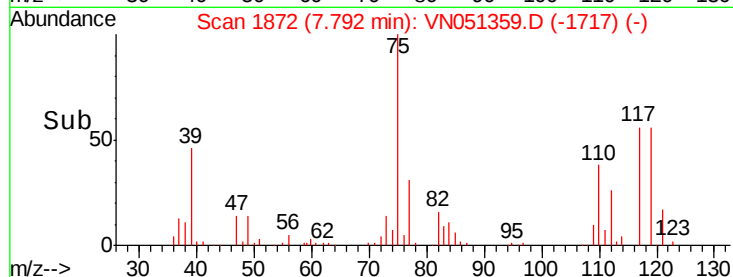
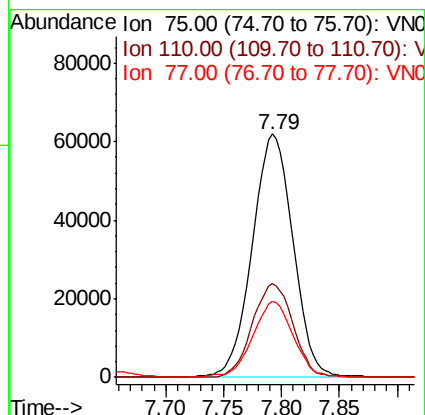
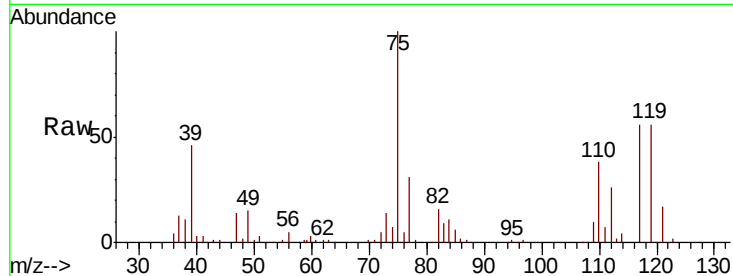
#29
 1,1-Dichloropropene
 Concen: 16.924 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	0.0	75.0
77	31.0	0.0	60.6

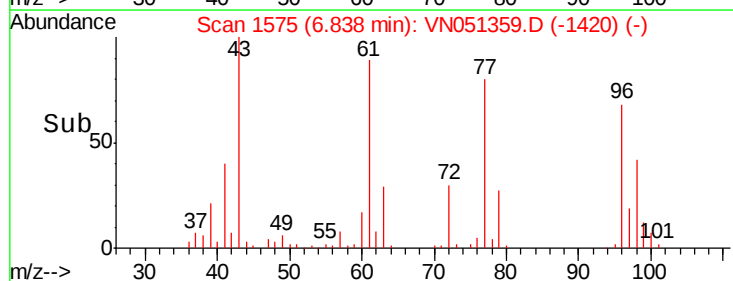
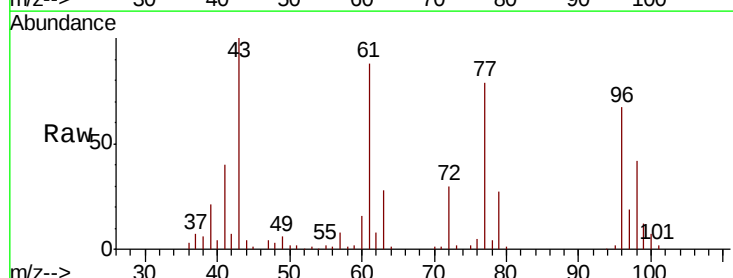
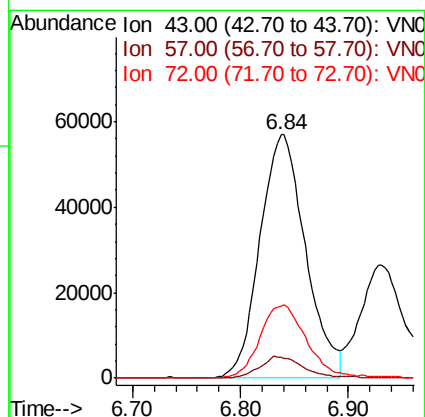
Manual Integrations
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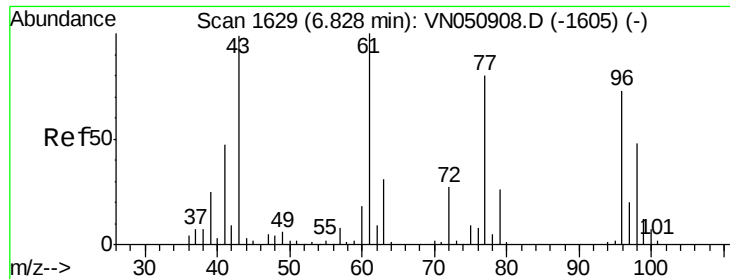
MMDadoda
 9/25/2018 10:53:30 AM



#30
 2-Butanone
 Concen: 60.545 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.9	10.3
72	30.6	22.8	34.2





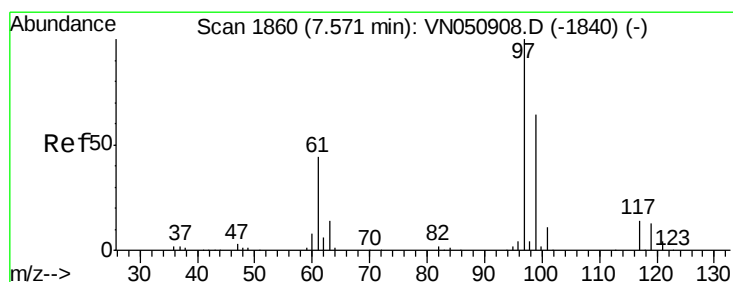
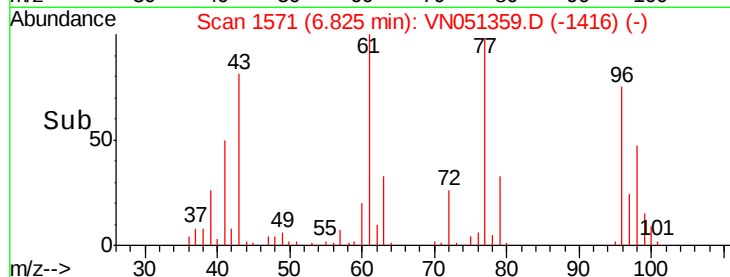
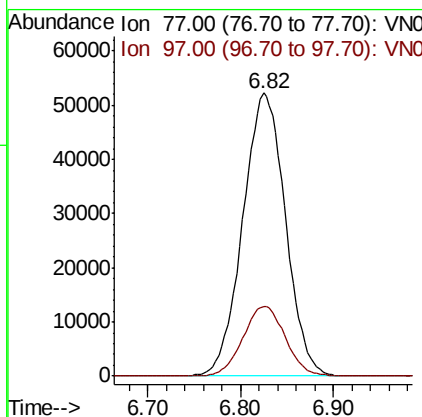
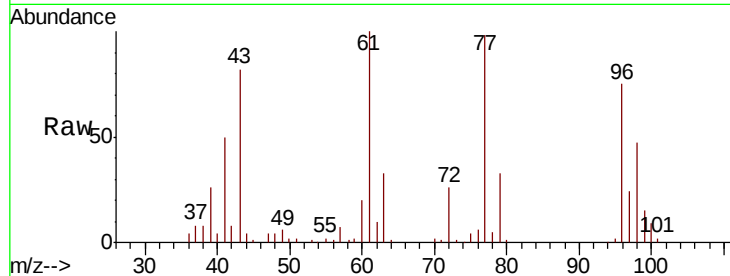
#31
 2,2-Dichloropropane
 Concen: 19.154 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 167169
 Ion Ratio Lower Upper
 77 100
 97 24.6 20.2 30.2

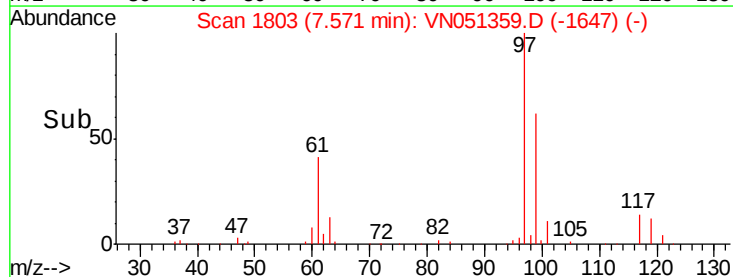
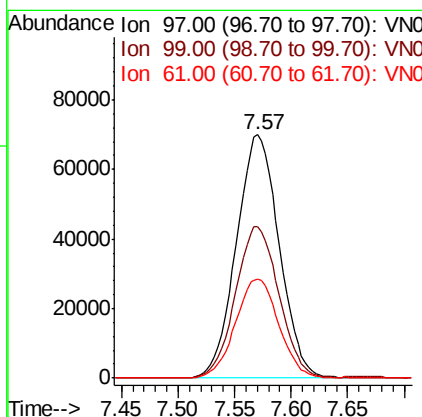
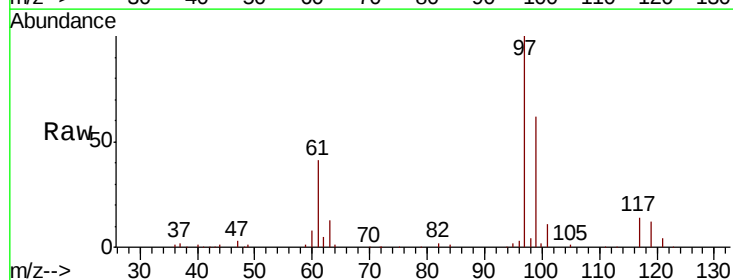
Manual Integrations
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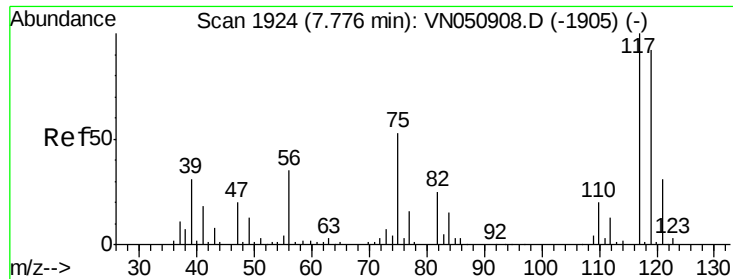
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 18.139 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion: 97 Resp: 184495
 Ion Ratio Lower Upper
 97 100
 99 63.2 52.0 78.0
 61 41.3 35.0 52.6





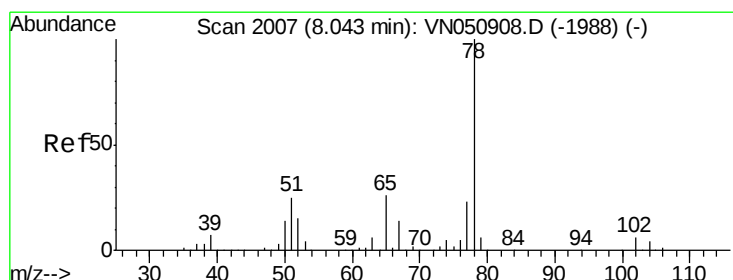
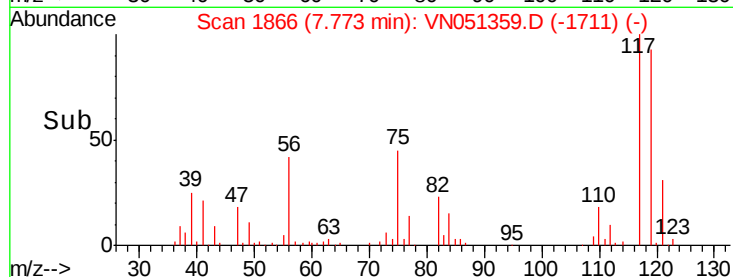
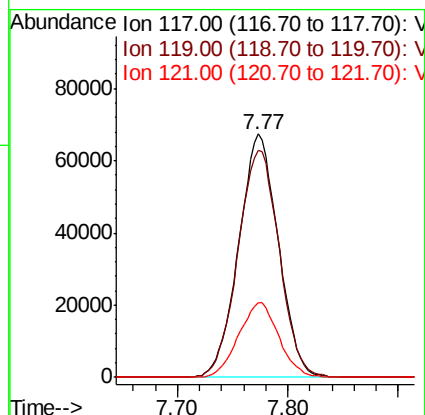
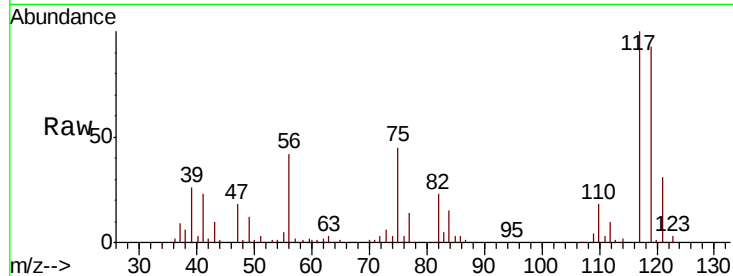
#33
Carbon Tetrachloride
Concen: 18.299 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 167618
Ion Ratio Lower Upper
117 100
119 93.2 73.5 110.3
121 30.7 24.6 37.0

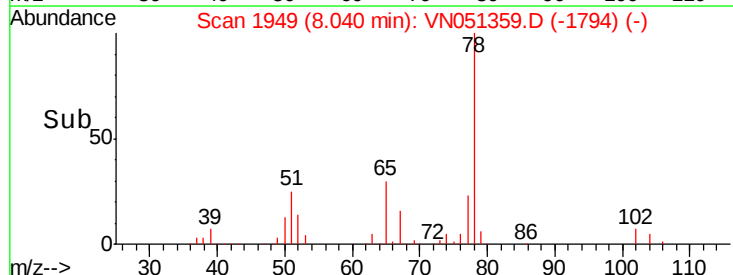
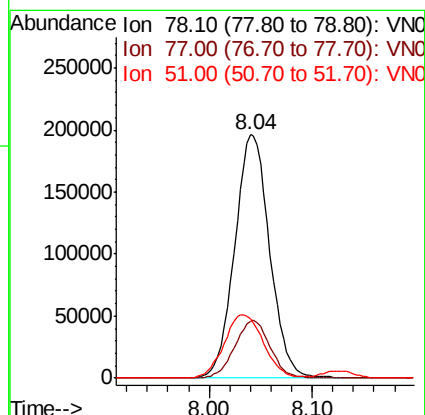
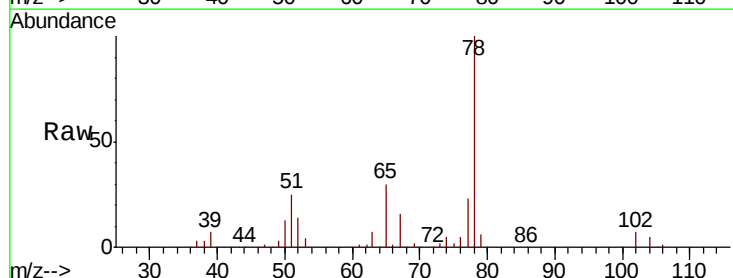
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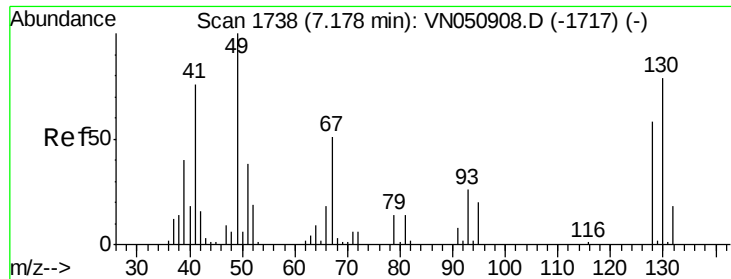
MMDadoda
9/25/2018 10:53:30 AM



#34
Benzene
Concen: 16.666 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 78 Resp: 462438
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
51 24.3 20.0 30.0





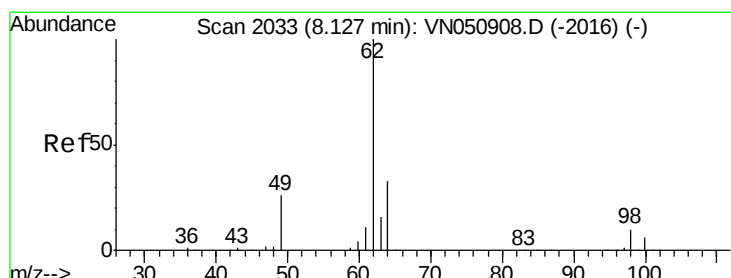
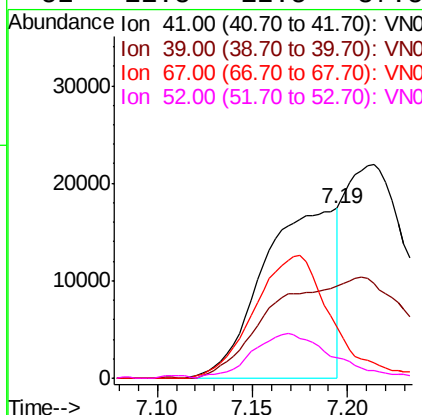
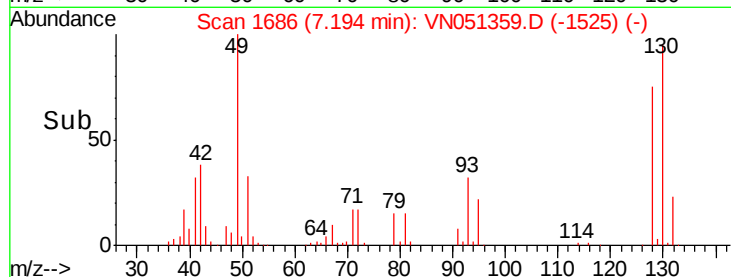
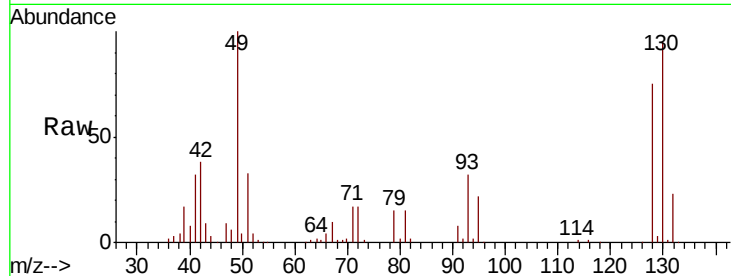
#35
Methacrylonitrile
Concen: 15.553 ug/l m
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	47017
Ion	Ratio	Lower	Upper
41	100		
39	53.9	26.2	78.5
67	30.4	33.9	101.6#
52	11.8	12.5	37.5#

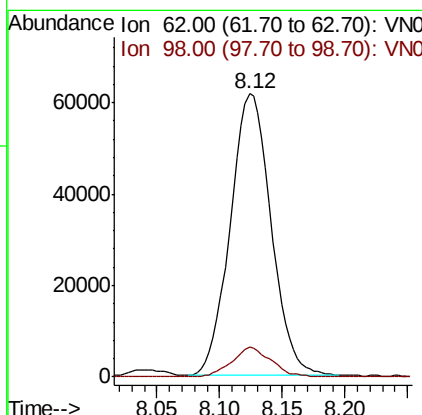
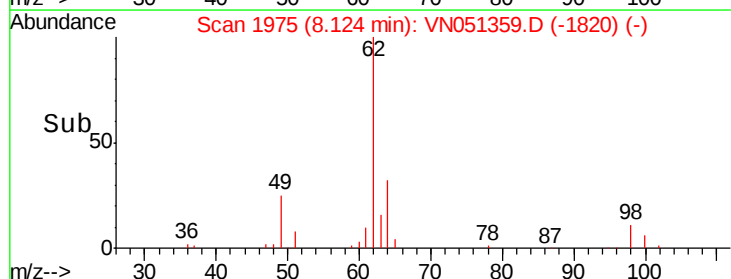
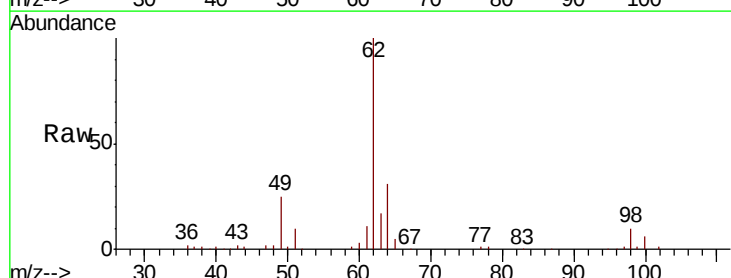
Manual Integrations
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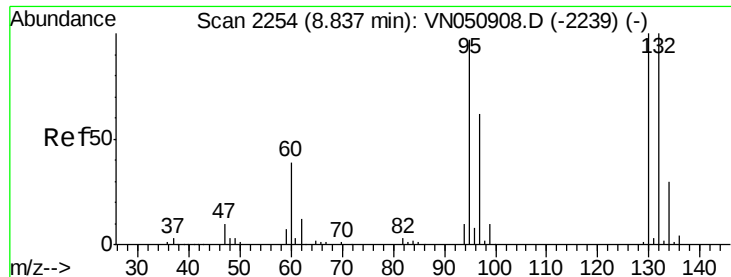
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9/25/2018 10:53:30 AM



#36
1,2-Dichloroethane
Concen: 16.643 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion:	62	Resp:	139665
Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0





#37

Trichloroethene

Concen: 18.053 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 130 Resp: 130928

Ion Ratio Lower Upper

130 100

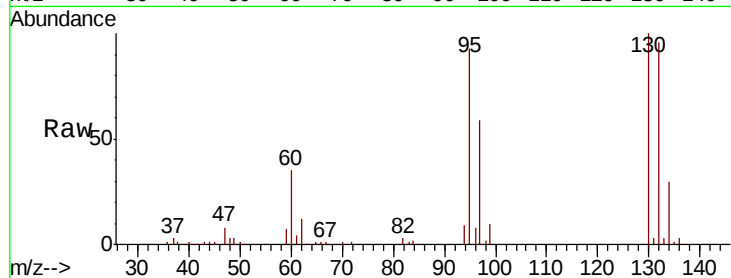
95 93.2 77.4 116.0

Manual Integrations

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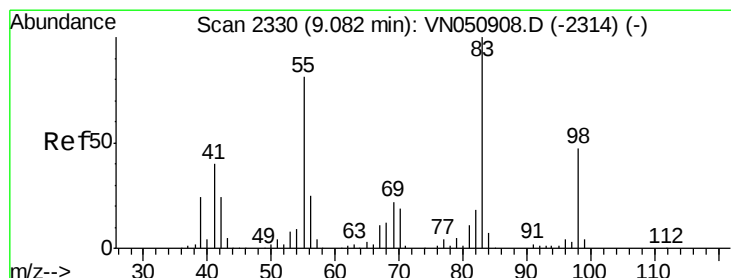
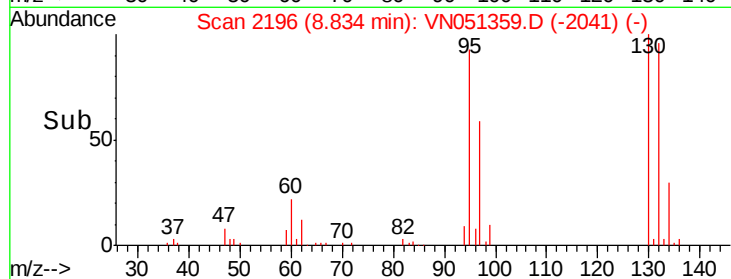
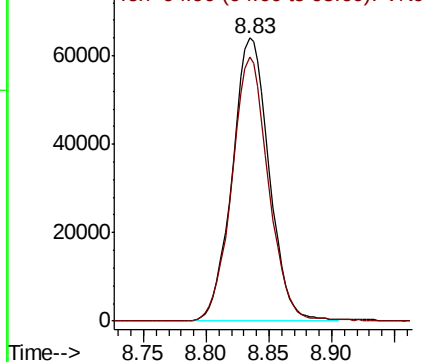
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.981 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

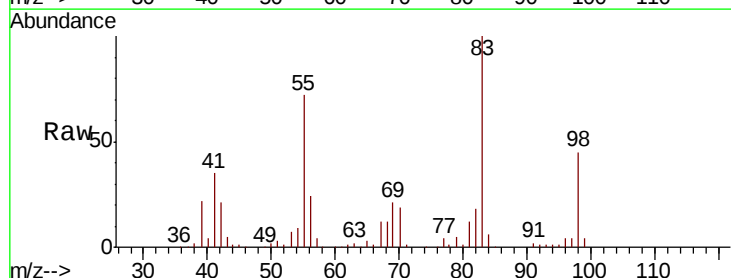
Tgt Ion: 83 Resp: 173217

Ion Ratio Lower Upper

83 100

55 75.5 38.9 116.7

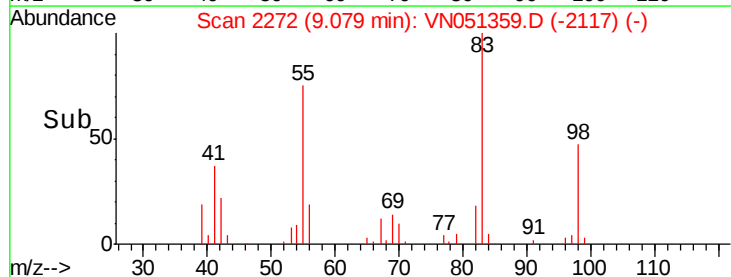
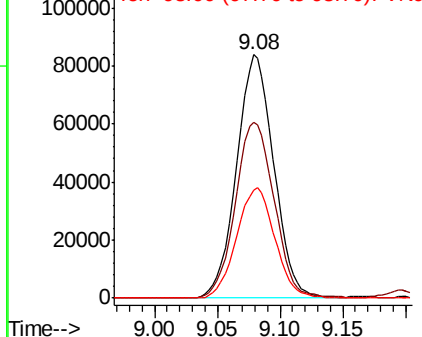
98 46.6 22.9 68.7

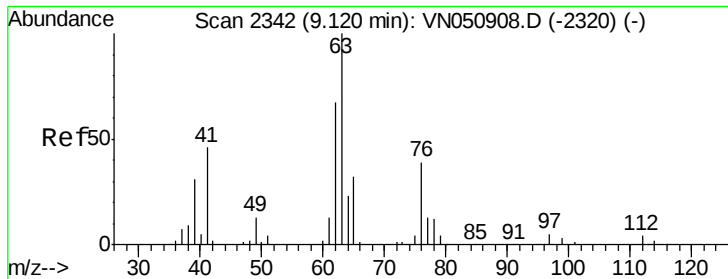


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





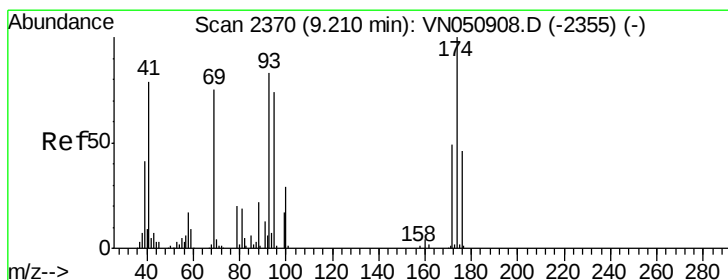
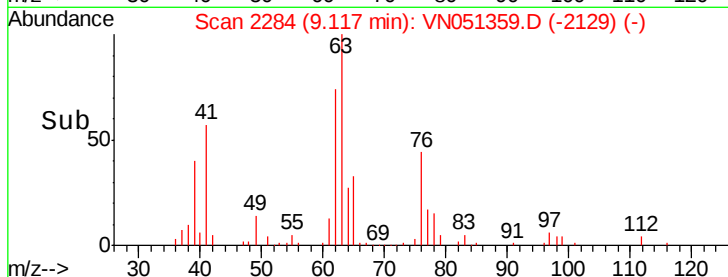
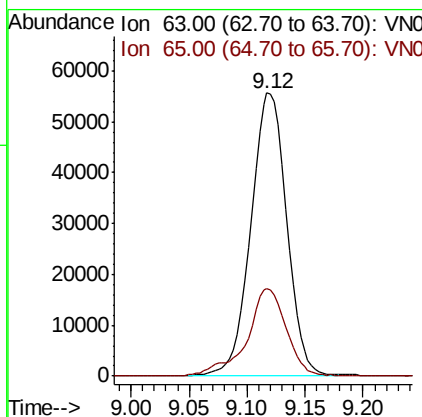
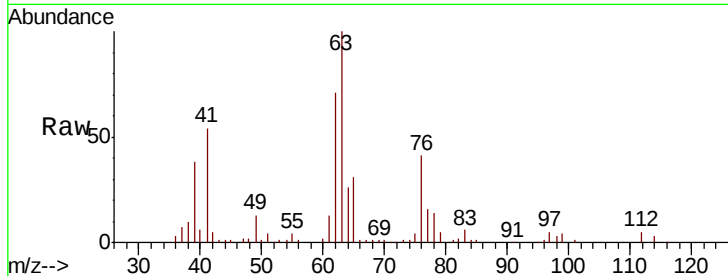
#39
 1,2-Dichloropropane
 Concen: 16.597 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 120279
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4

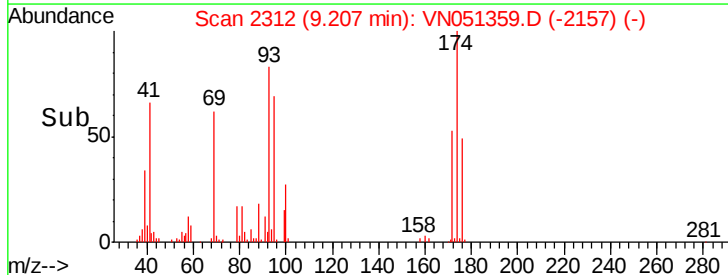
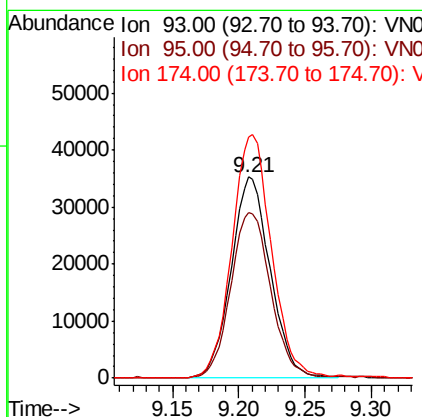
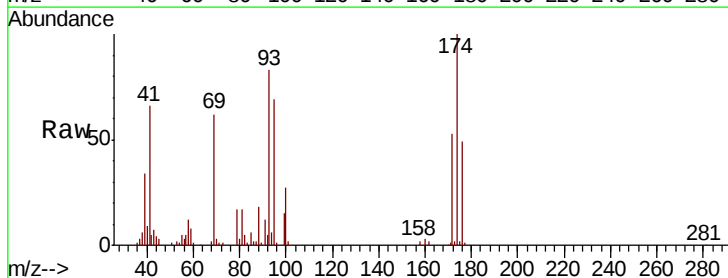
Manual Integrations
 APPROVED

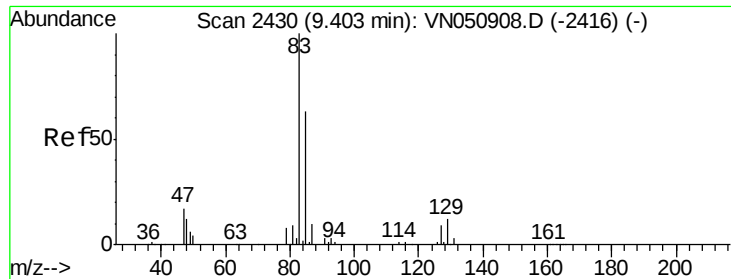
MMDadoda
 9/25/2018 10:53:30 AM



#40
 Dibromomethane
 Concen: 16.600 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion: 93 Resp: 72468
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 173.4
 174 122.0 0.0 234.8





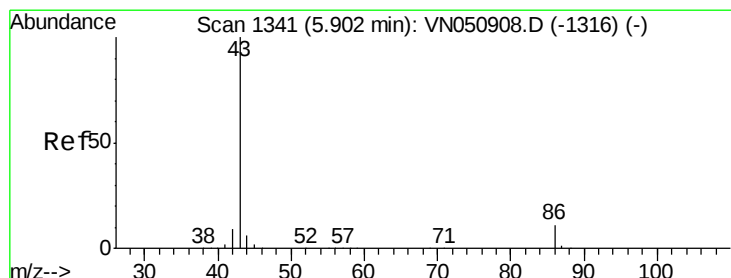
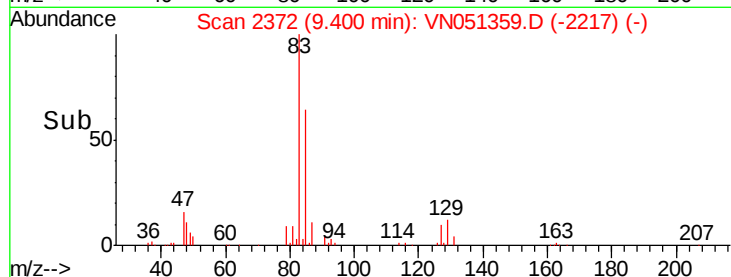
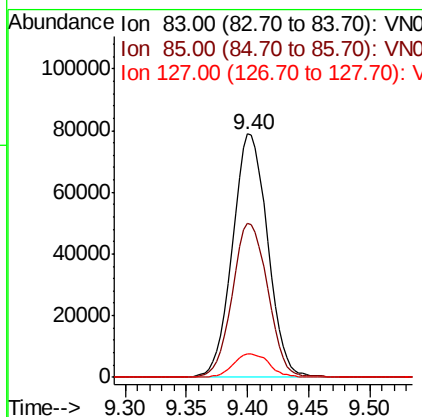
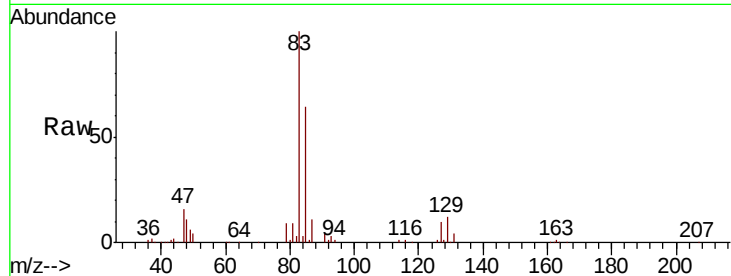
#41
 Bromodichloromethane
 Concen: 17.118 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0
127	9.8	7.1	10.7

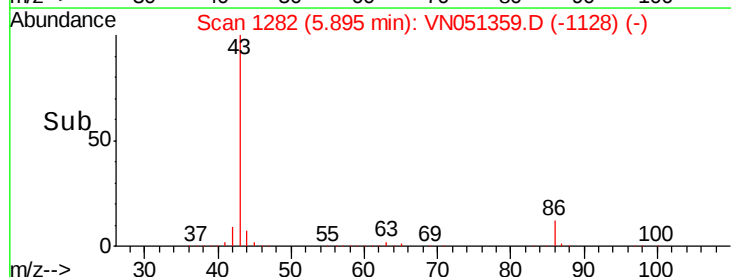
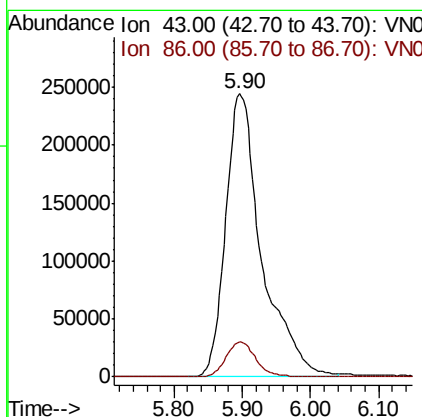
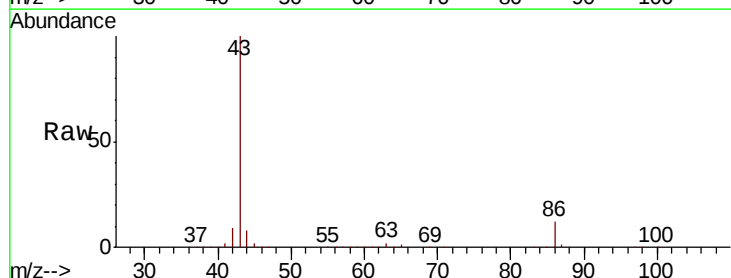
Manual Integrations
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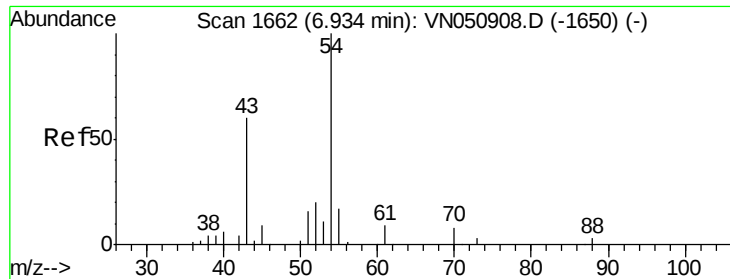
MMDadoda
 9/25/2018 10:53:30 AM



#42
 Vinyl Acetate
 Concen: 70.668 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.2	10.8





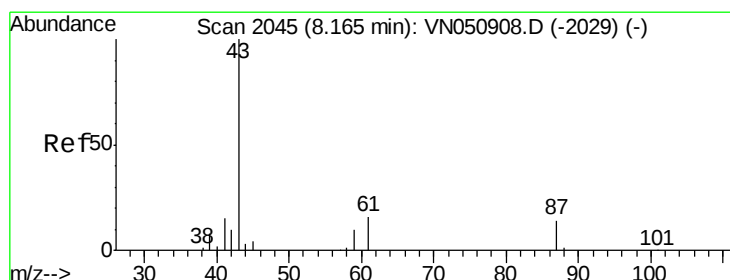
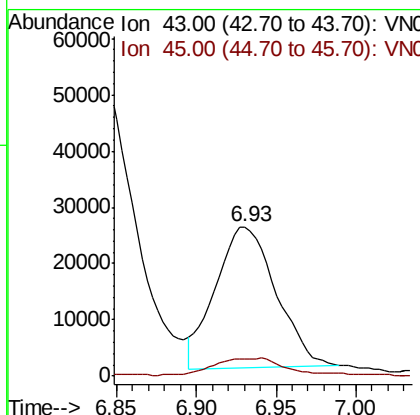
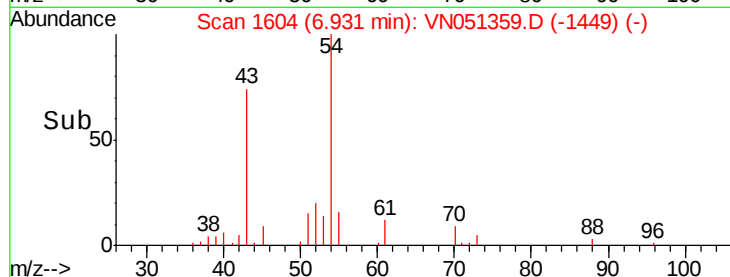
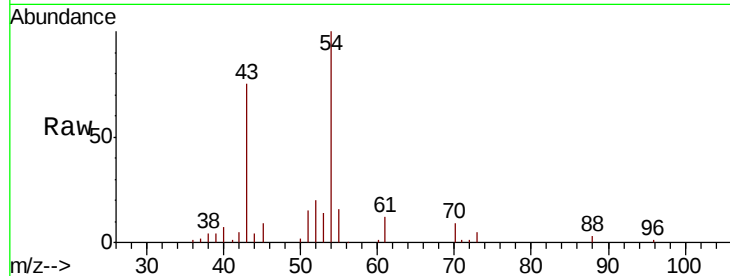
#43
Ethyl Acetate
Concen: 11.575 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion: 43 Resp: 65428
Ion Ratio Lower Upper
43 100
45 7.3 10.2 15.2#

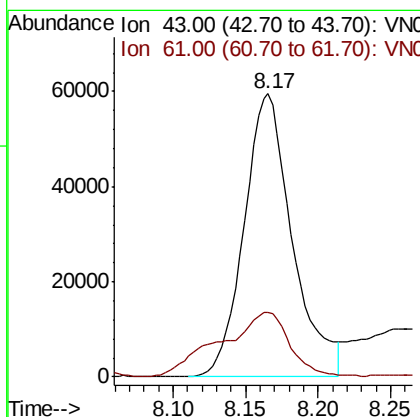
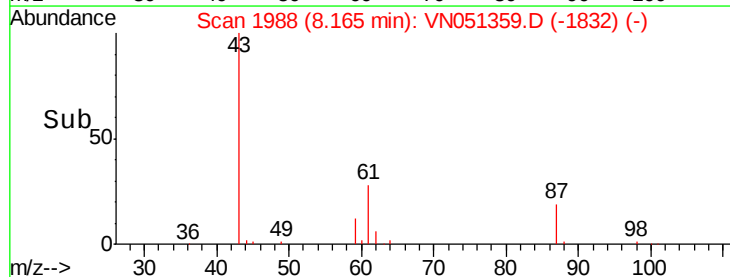
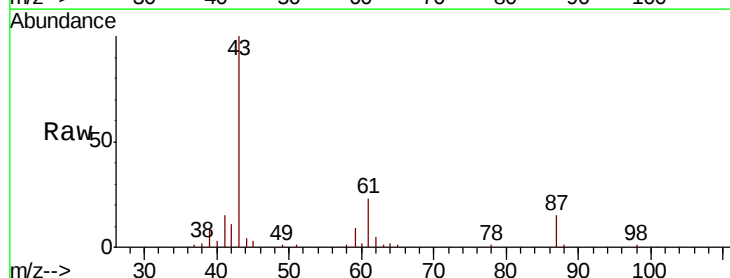
Manual Integrations
APPROVED

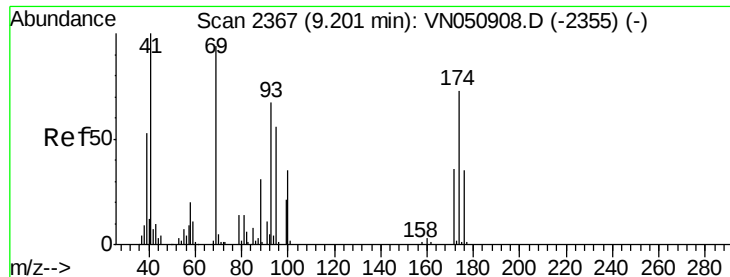
MMDadoda
9/25/2018 10:53:30 AM



#44
Isopropyl Acetate
Concen: 13.842 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 43 Resp: 138065
Ion Ratio Lower Upper
43 100
61 20.3 16.3 24.5





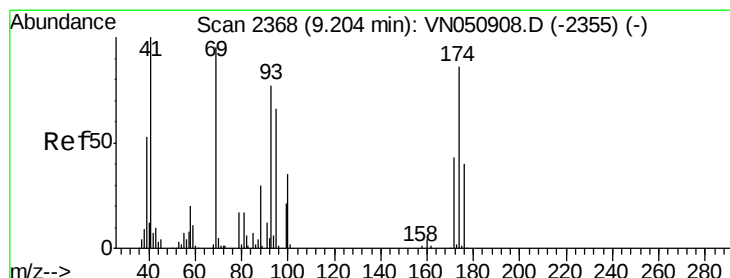
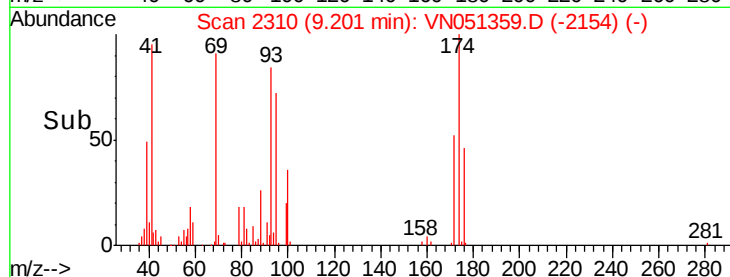
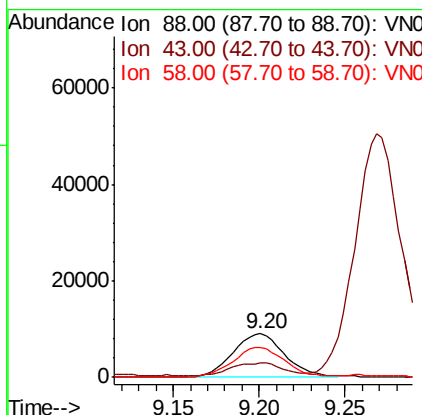
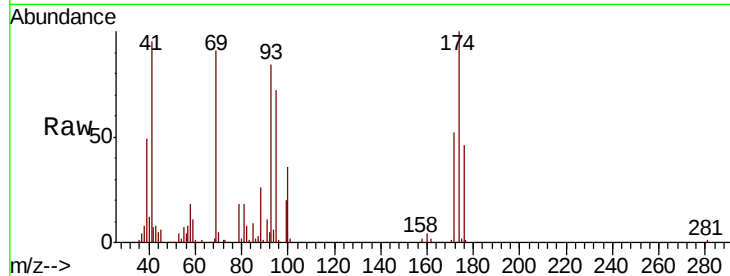
#45
1,4-Dioxane
Concen: 256.214 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.4	23.5	35.3
58	68.5	55.2	82.8

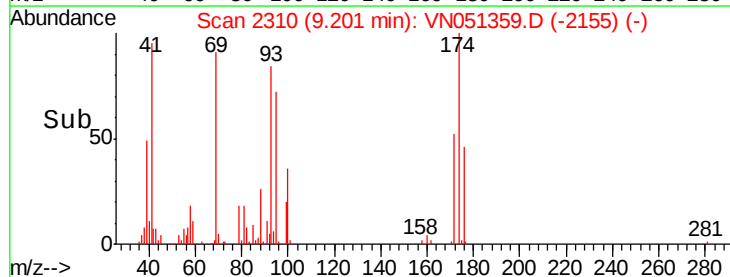
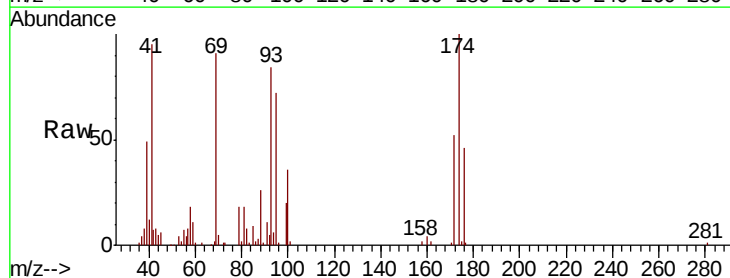
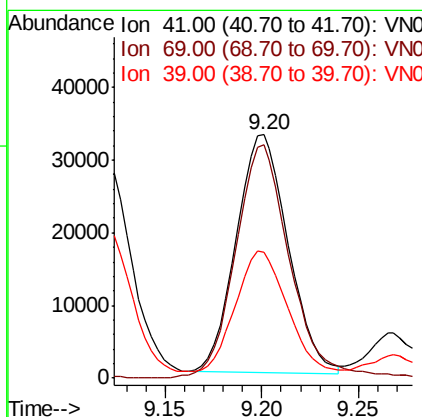
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APPROVED

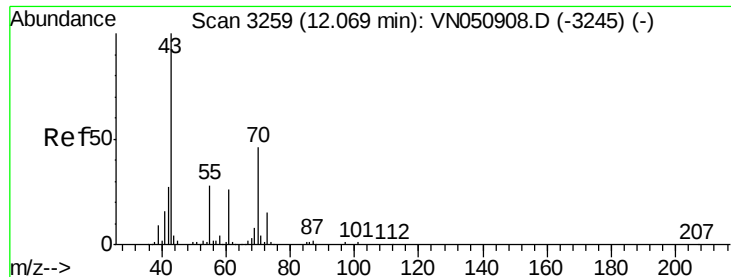
MMDadoda
9/25/2018 10:53:30 AM



#46
Methyl methacrylate
Concen: 12.255 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.5	47.4	142.2
39	50.7	26.6	79.7





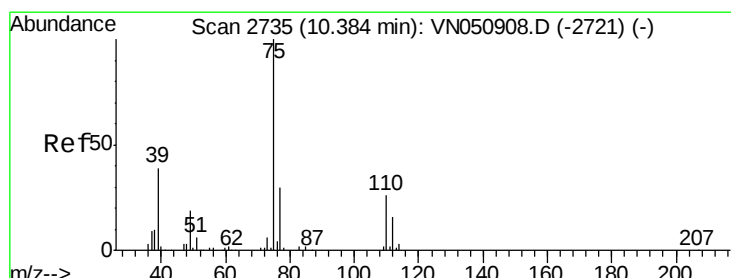
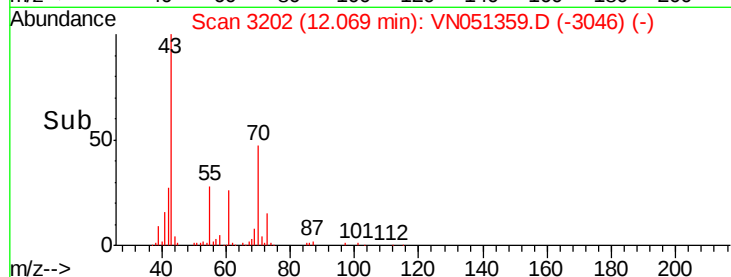
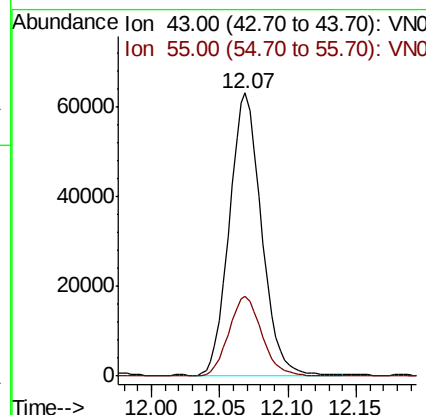
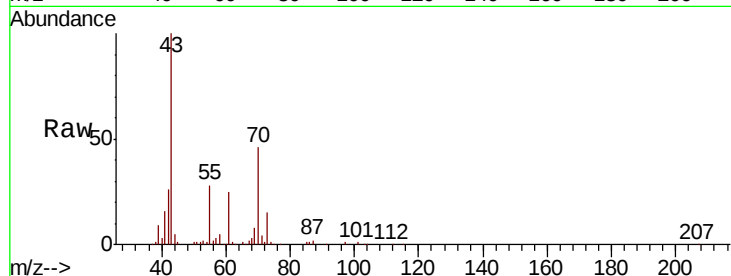
#47
n-amyl Acetate
Concen: 12.876 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion: 43 Resp: 103259
Ion Ratio Lower Upper
43 100
55 29.0 23.0 34.4

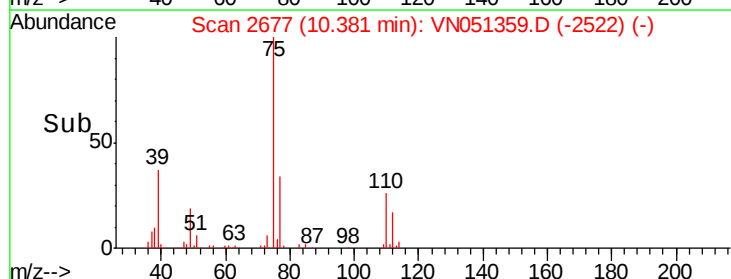
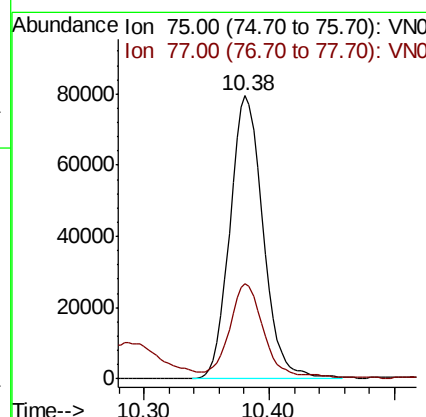
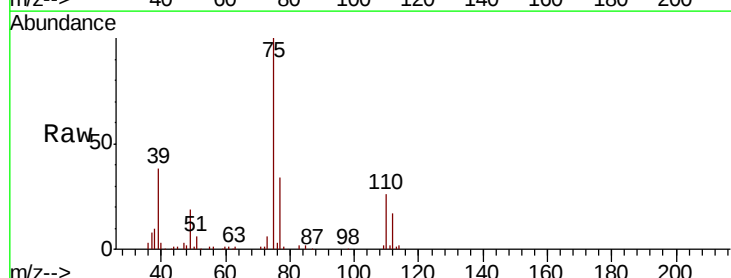
Manual Integrations
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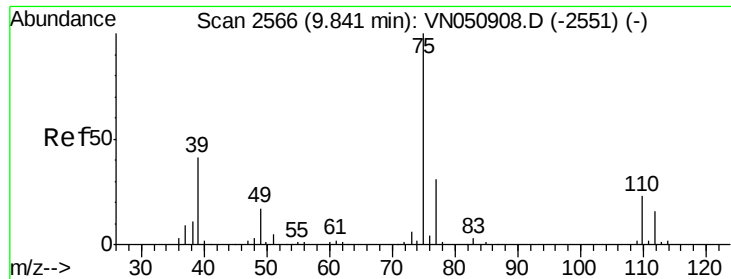
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 16.199 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 75 Resp: 146124
Ion Ratio Lower Upper
75 100
77 33.0 24.8 37.2





#49

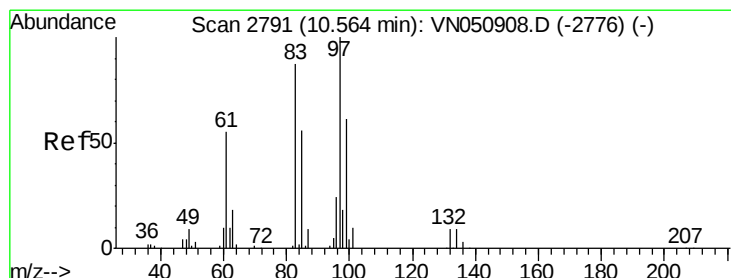
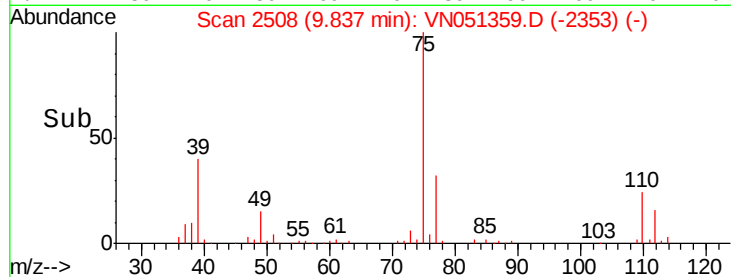
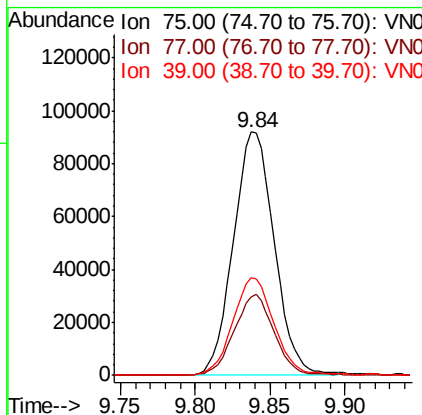
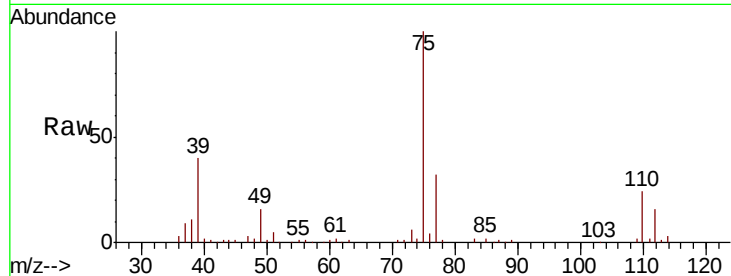
cis-1,3-Dichloropropene
Concen: 16.929 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	40.0	32.9	49.3

Manual Integrations
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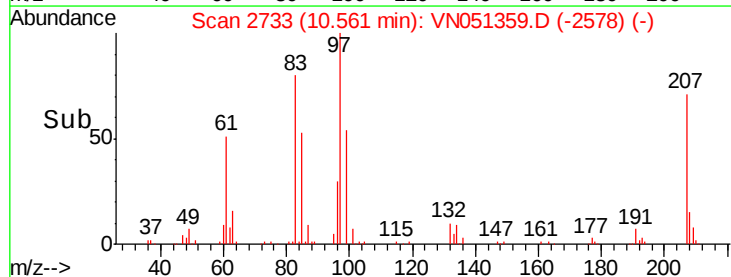
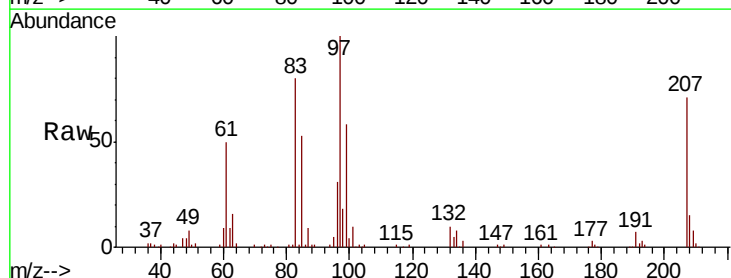
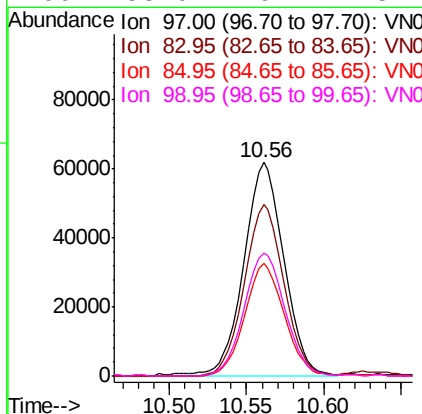
MMDadoda
9/25/2018 10:53:30 AM

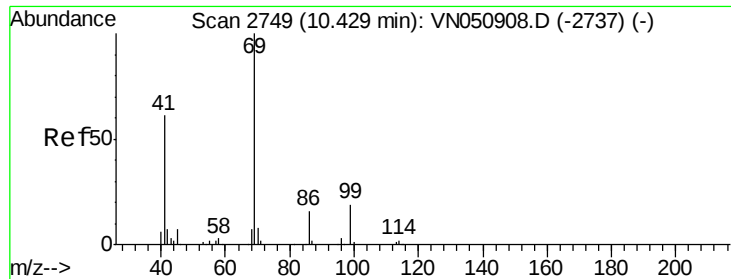


#50

1,1,2-Trichloroethane
Concen: 17.517 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.8	104.6
85	53.2	45.0	67.6
99	58.0	49.1	73.7





#51

Ethyl methacrylate

Concen: 14.066 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

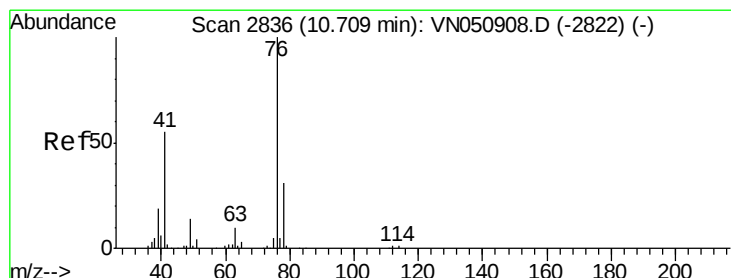
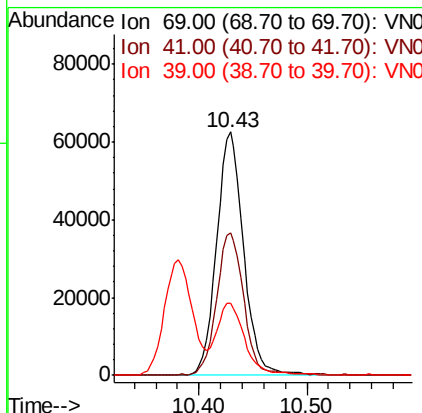
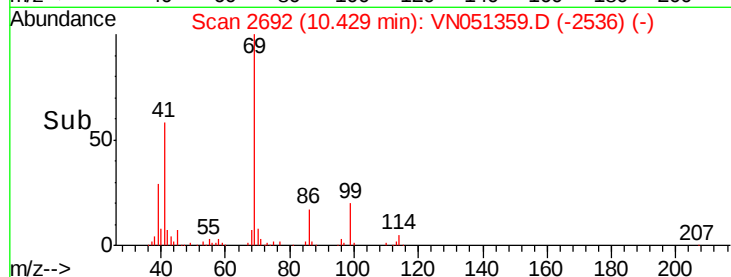
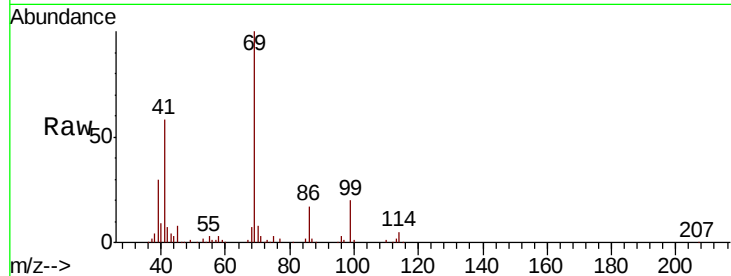
ClientSampled :

VSTDCCC020

Tgt Ion:	69	Resp:	109164
Ion	Ratio	Lower	Upper
69	100		
41	58.1	30.5	91.5
39	29.4	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 16.047 ug/l

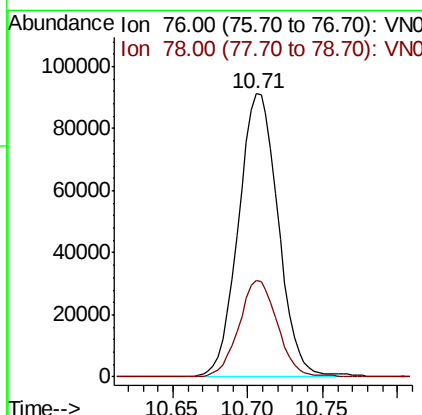
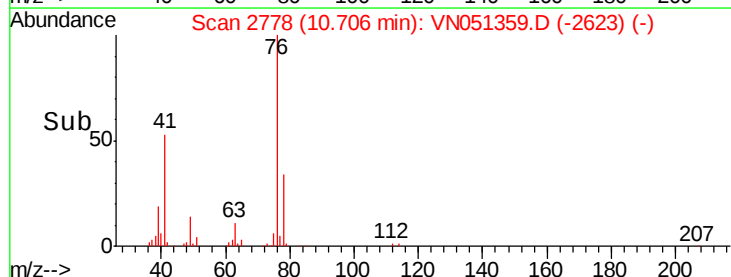
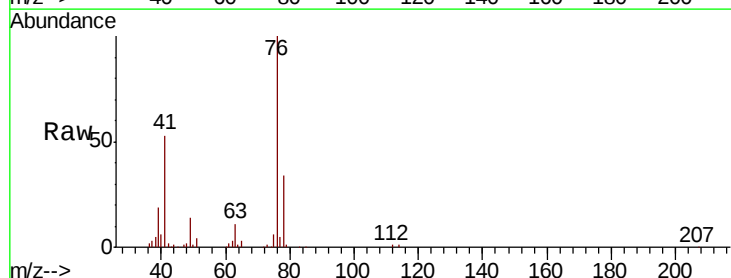
RT: 10.71 min Scan# 2778

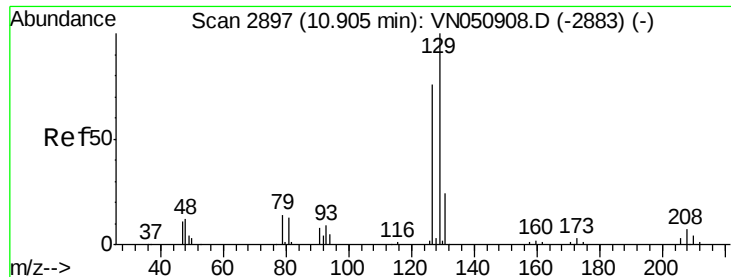
Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	76	Resp:	168599
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





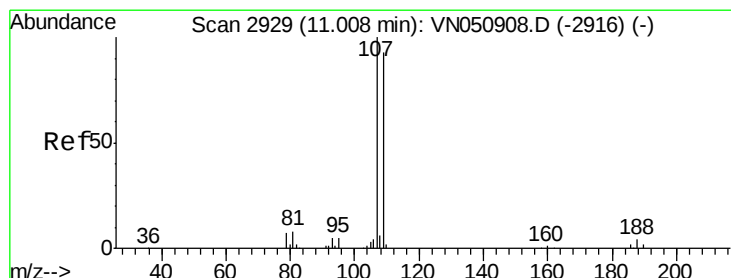
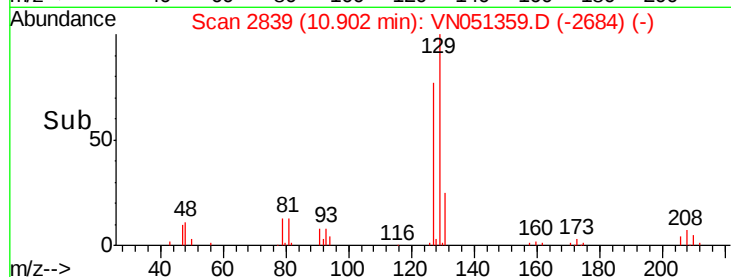
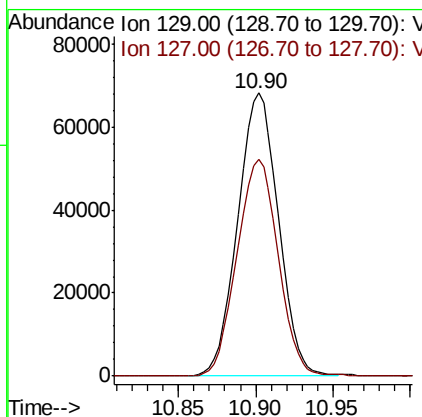
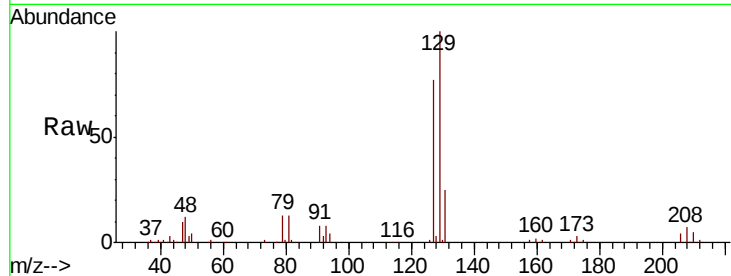
#53
 Dibromochloromethane
 Concen: 17.306 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:129 Resp: 124820
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.0 116.9

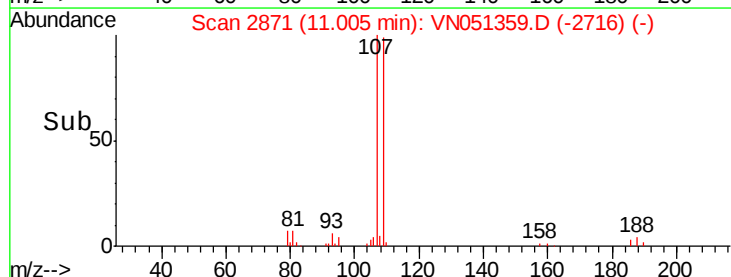
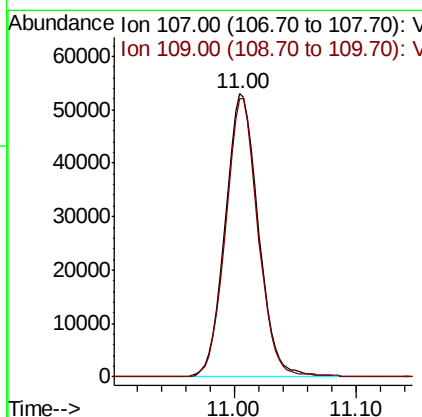
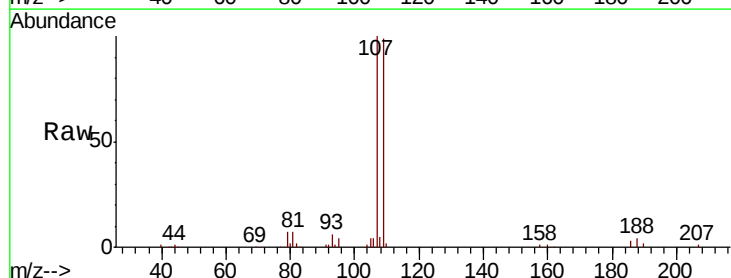
Manual Integrations
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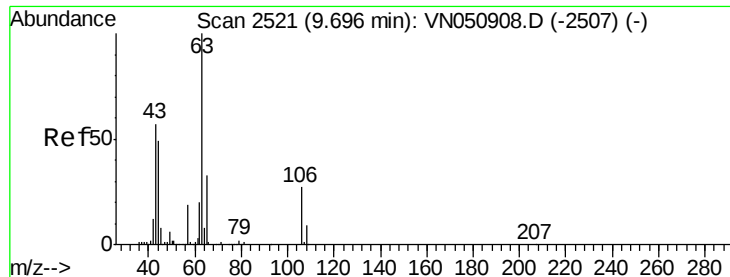
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#54
 1,2-Dibromoethane
 Concen: 16.029 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion:107 Resp: 100530
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 81.169 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

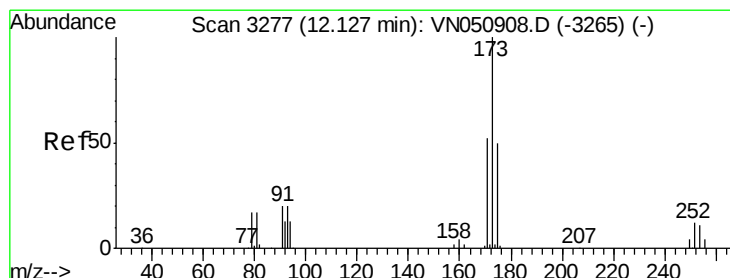
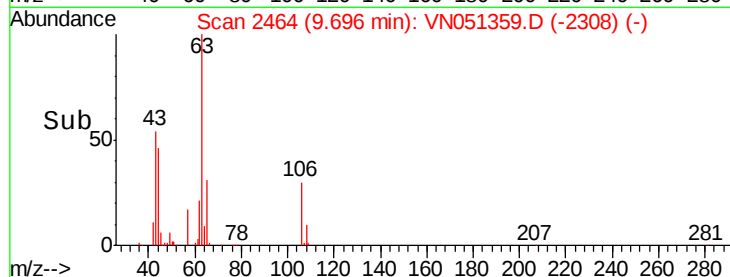
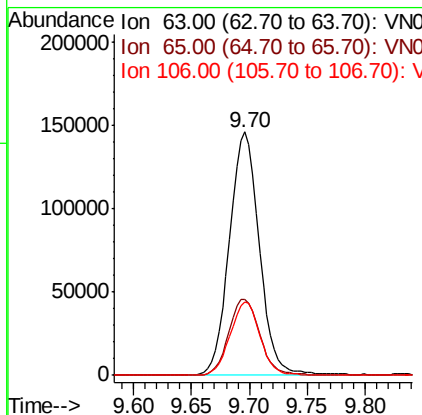
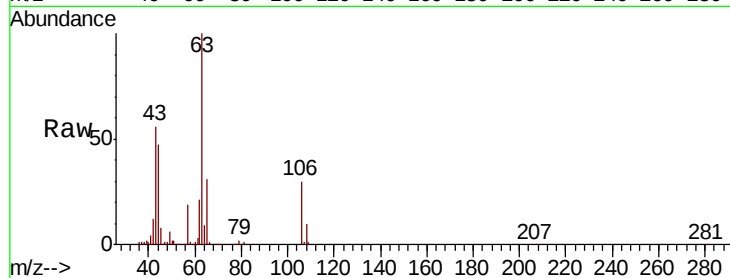
ClientSampleId :

VSTDCCC020

Tgt Ion:	63	Resp:	262104
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.2
106	29.9	22.0	33.0

Manual Integrations
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#56

Bromoform

Concen: 16.573 ug/l

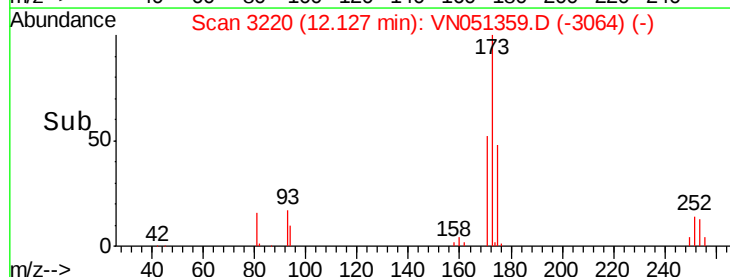
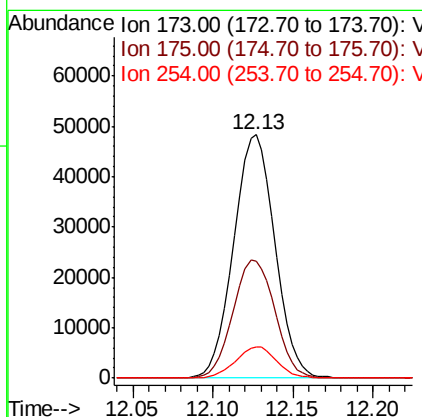
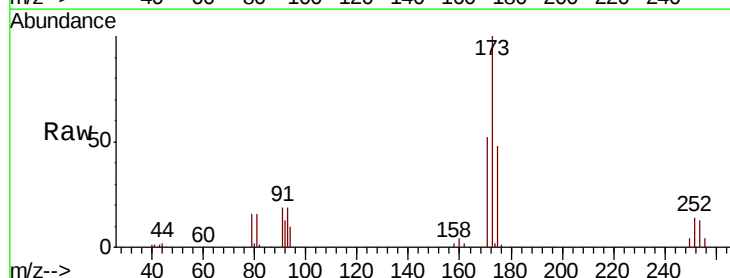
RT: 12.13 min Scan# 3220

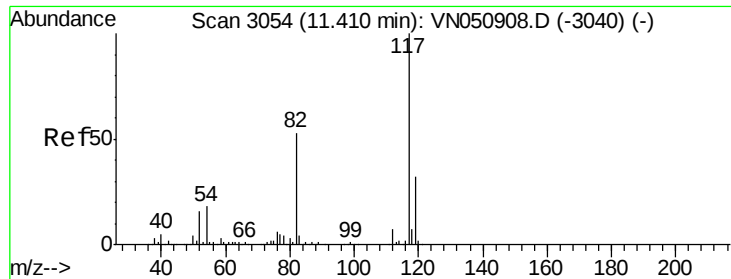
Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	173	Resp:	85016
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.2	58.8
254	12.6	9.0	13.6





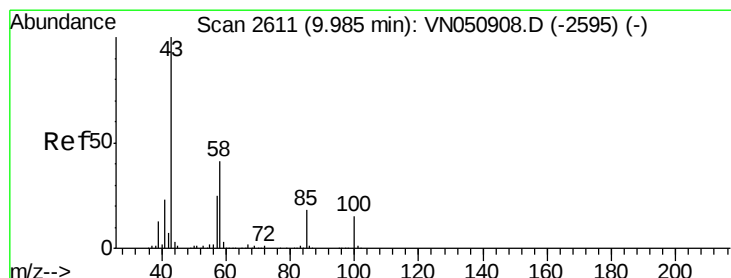
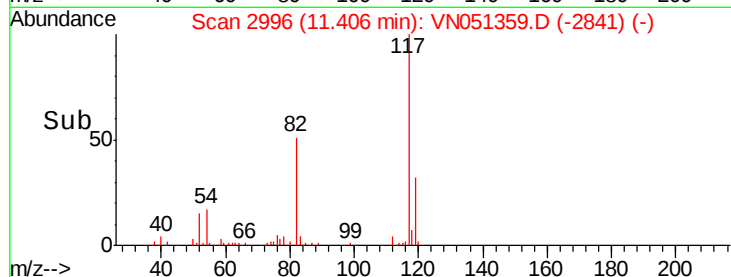
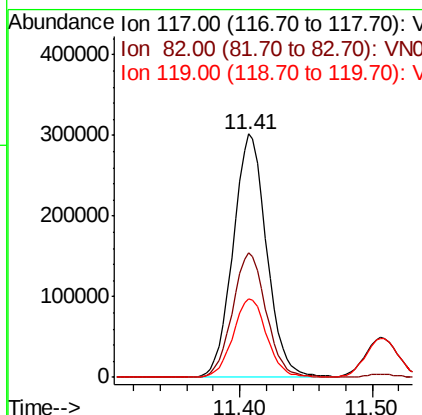
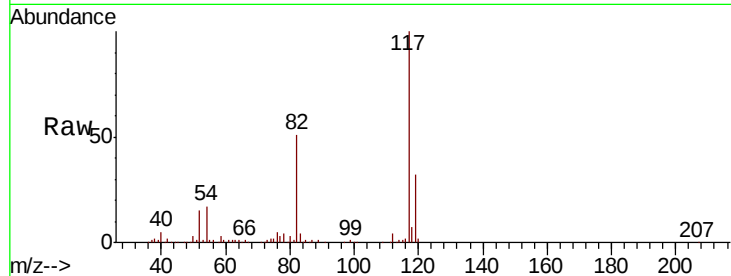
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	529781		
82	51.4	42.6	64.0	
119	32.6	25.7	38.5	

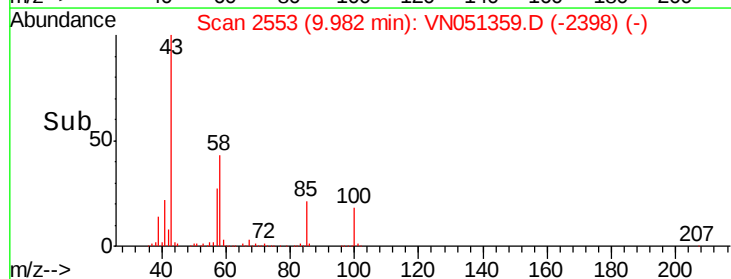
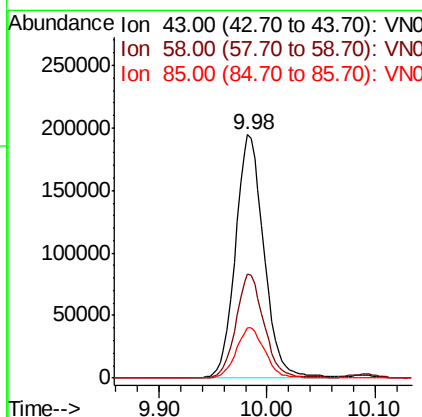
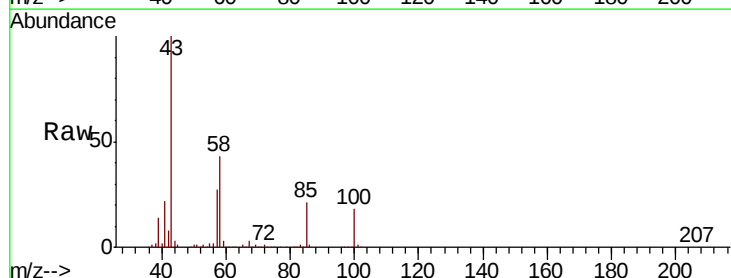
Manual Integrations
APPROVED

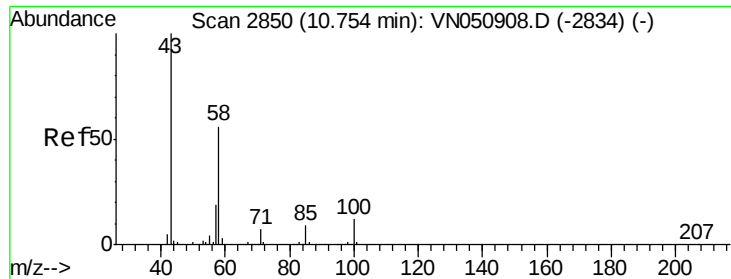
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 58.767 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	356219		
58	42.1	32.3	48.5	
85	20.9	14.9	22.3	





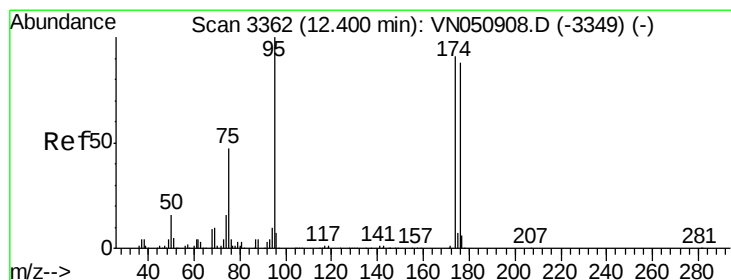
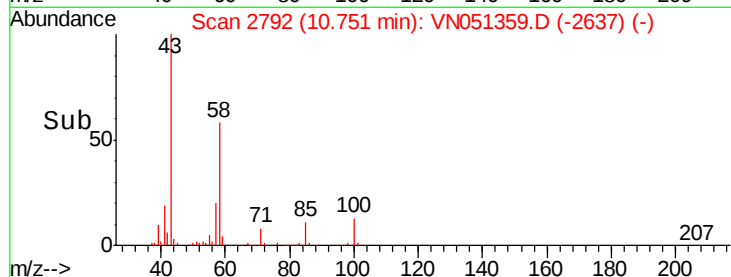
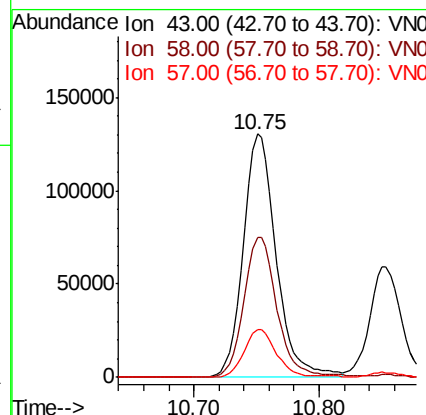
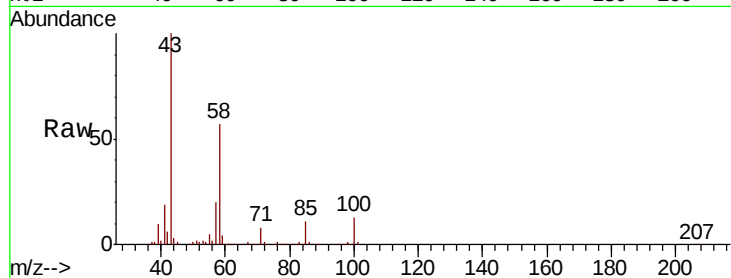
#59
2-Hexanone
Concen: 59.416 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.5	68.3
57	19.4	15.2	22.8

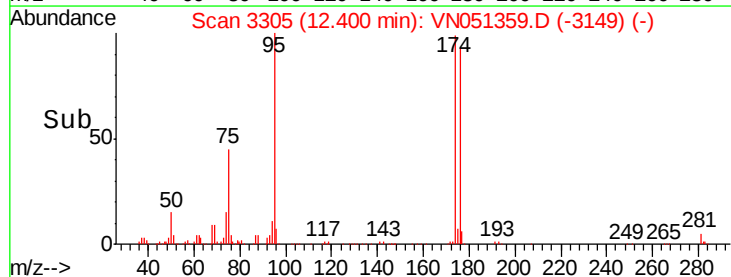
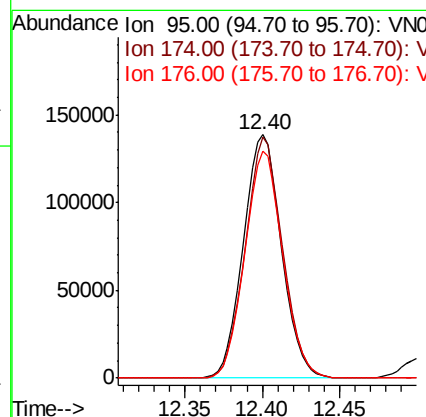
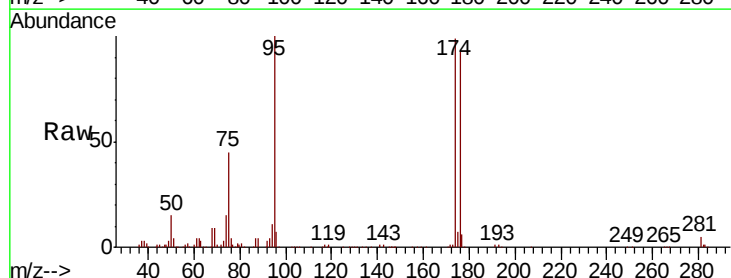
Manual Integrations
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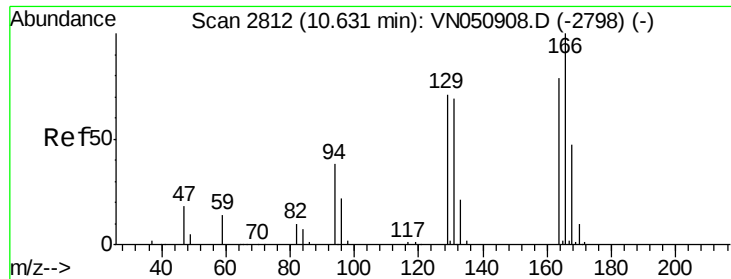
MMDadoda
9/25/2018 10:53:30 AM



#60
4-Bromofluorobenzene
Concen: 30.074 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	74.6	112.0
176	93.2	71.5	107.3





#61

Tetrachloroethene

Concen: 18.671 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

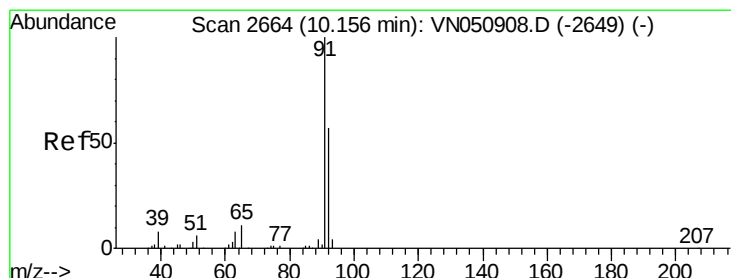
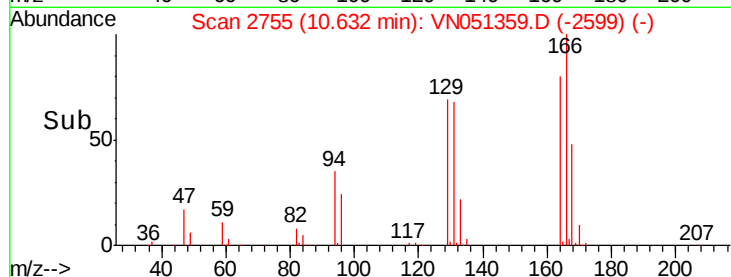
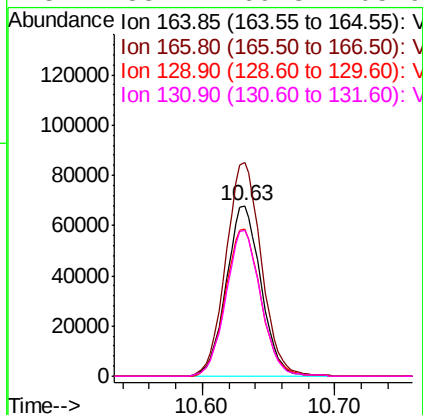
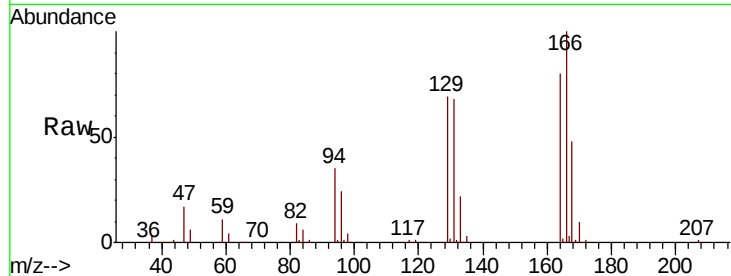
ClientSampleId :

VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.6	151.0
129	86.0	71.0	106.6
131	85.7	69.3	103.9

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#62

Toluene

Concen: 17.421 ug/l

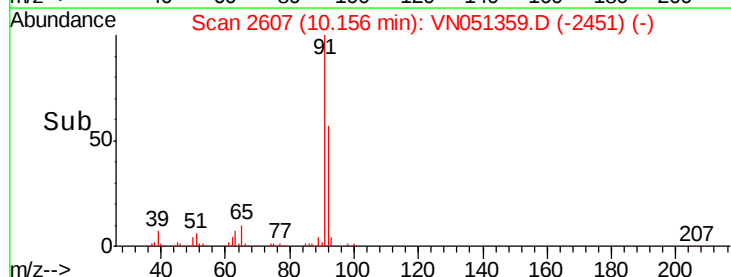
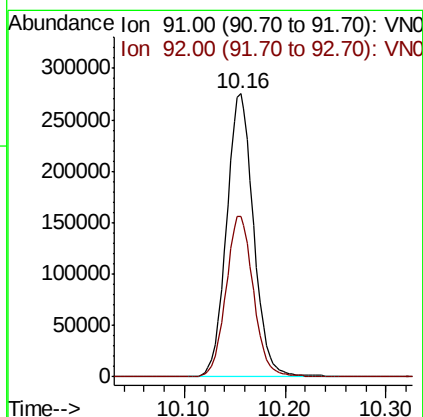
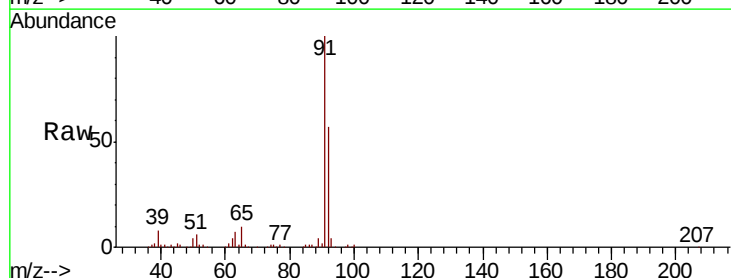
RT: 10.16 min Scan# 2607

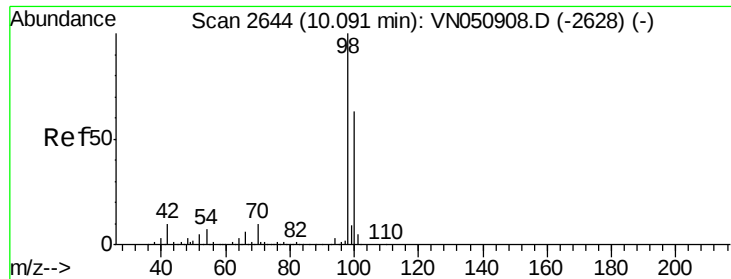
Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	45.8	68.8





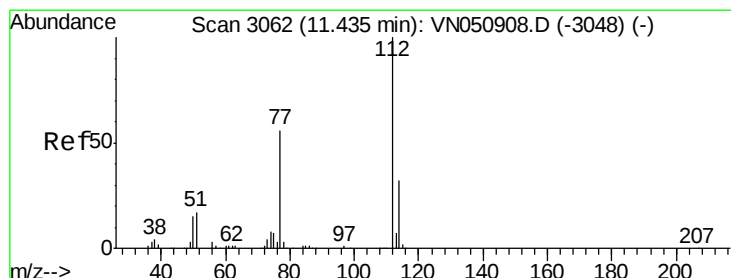
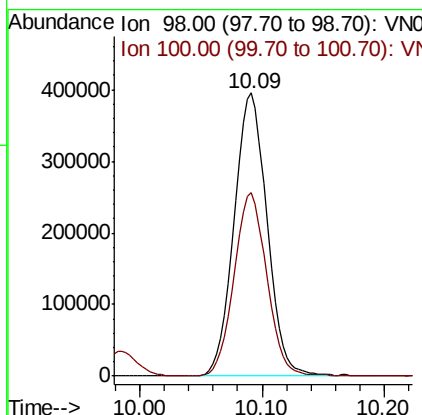
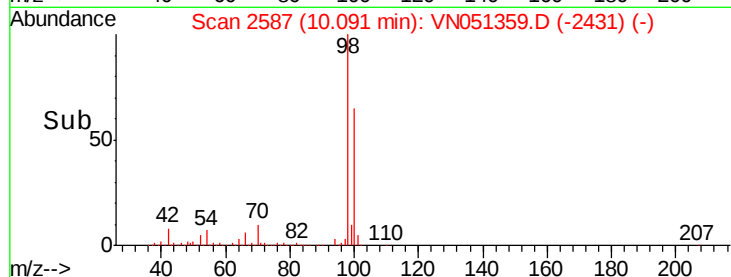
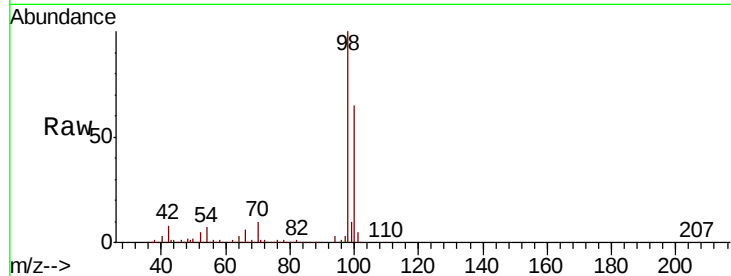
#63
Toluene-d8
Concen: 29.961 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion: 98 Resp: 740211
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8

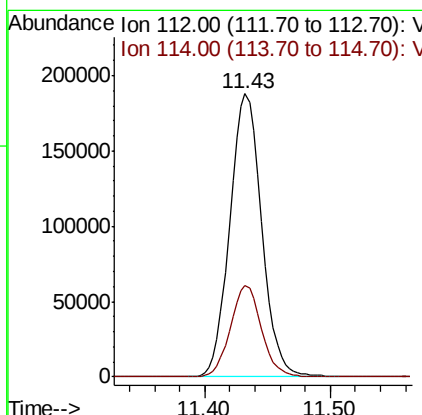
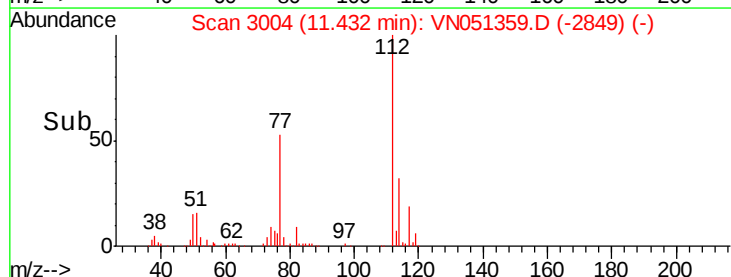
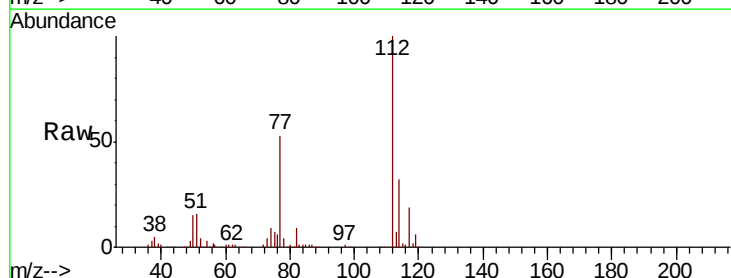
Manual Integrations
APPROVED

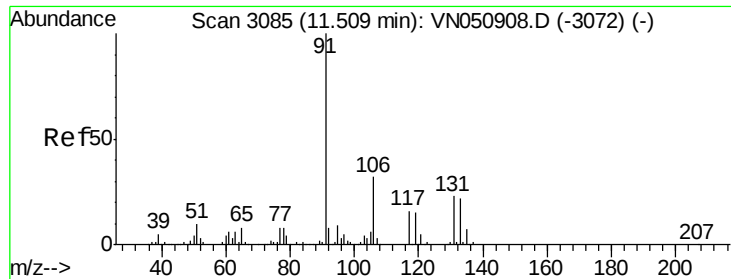
MMDadoda
9/25/2018 10:53:30 AM



#64
Chlorobenzene
Concen: 18.124 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion: 112 Resp: 331996
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.137 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

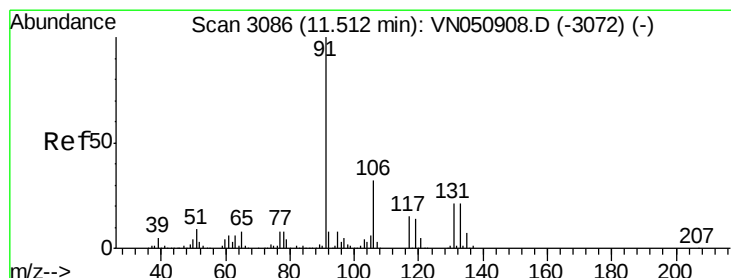
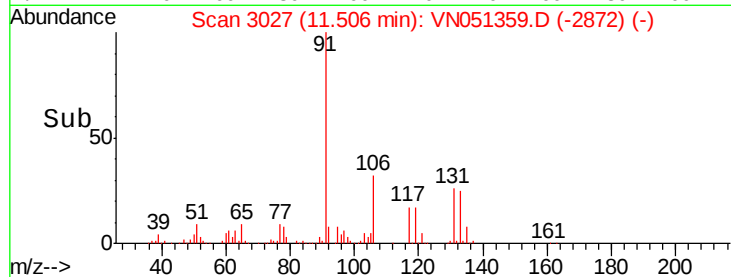
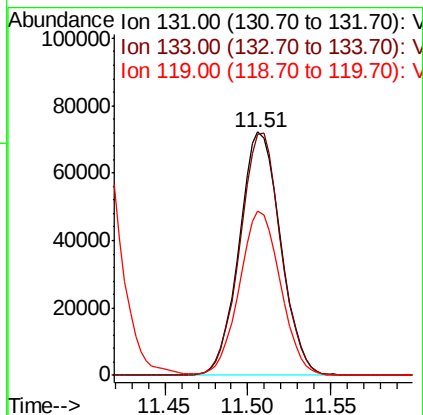
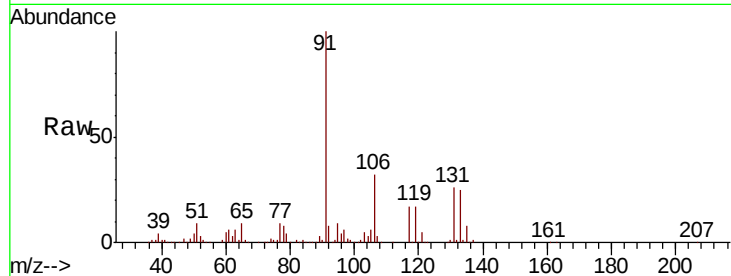
ClientSampleId :

VSTDCCC020

Tgt Ion:	131	Resp:	125441
Ion Ratio	Lower	Upper	
131	100		
133	98.5	0.0	189.4
119	67.3	0.0	132.2

Manual Integrations
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9/25/2018 10:53:30 AM



#66

Ethyl Benzene

Concen: 16.773 ug/l

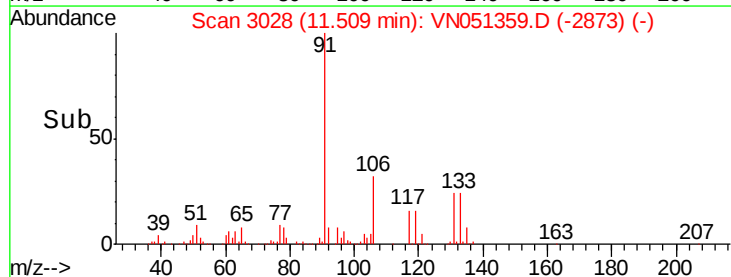
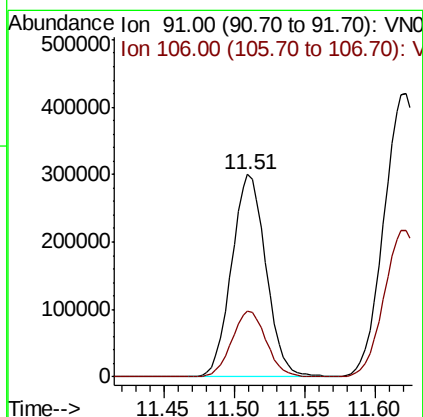
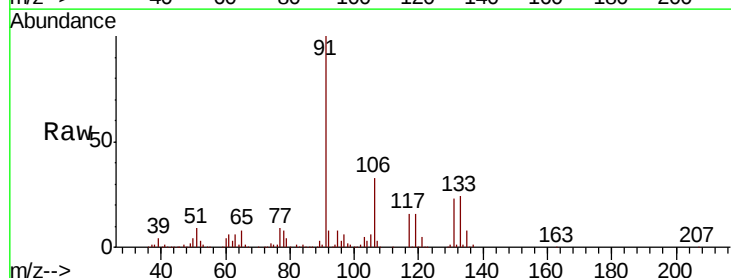
RT: 11.51 min Scan# 3028

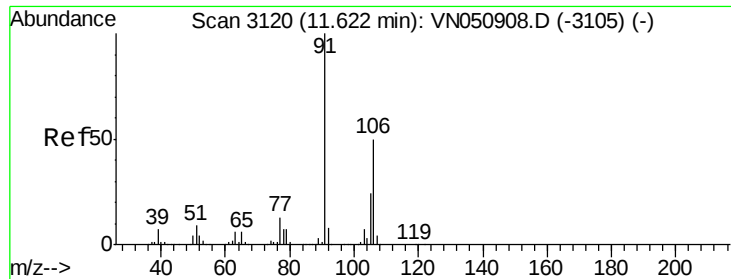
Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	91	Resp:	513497
Ion Ratio	Lower	Upper	
91	100		
106	32.6	25.7	38.5





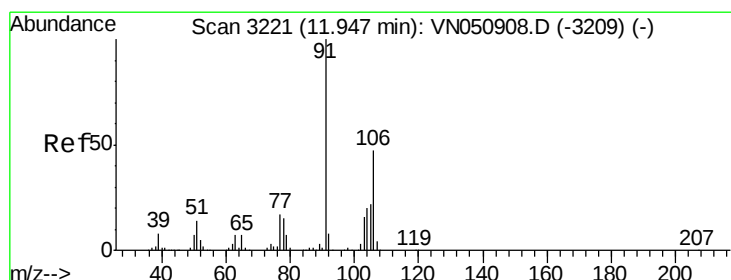
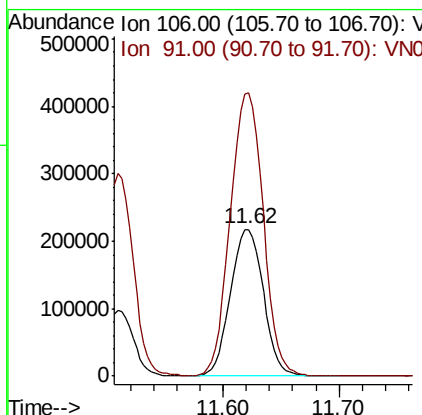
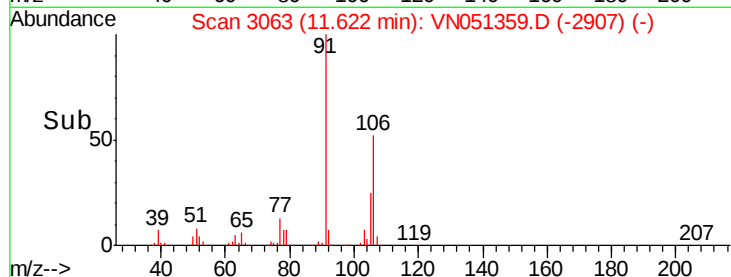
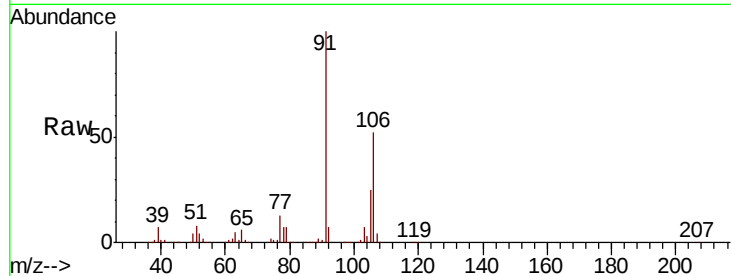
#67
m/p-Xylenes
Concen: 36.462 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:106 Resp: 429499
Ion Ratio Lower Upper
106 100
91 192.8 160.6 241.0

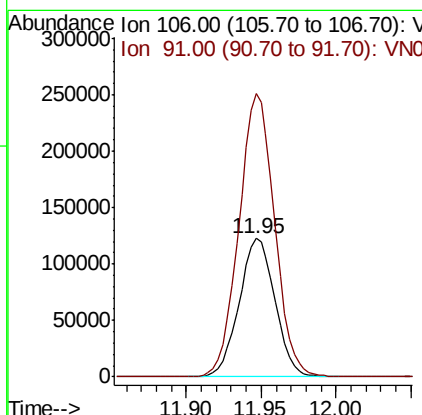
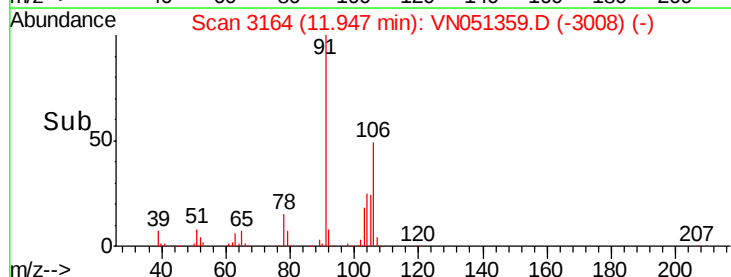
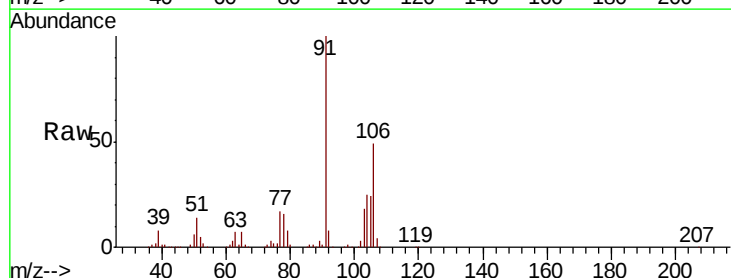
Manual Integrations
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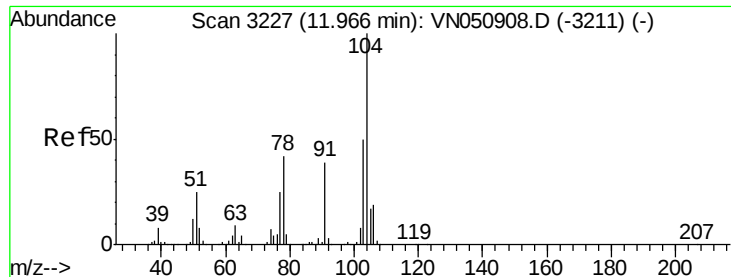
MMDadoda
9/25/2018 10:53:30 AM



#68
o-Xylene
Concen: 18.223 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion:106 Resp: 205109
Ion Ratio Lower Upper
106 100
91 202.7 106.4 319.2





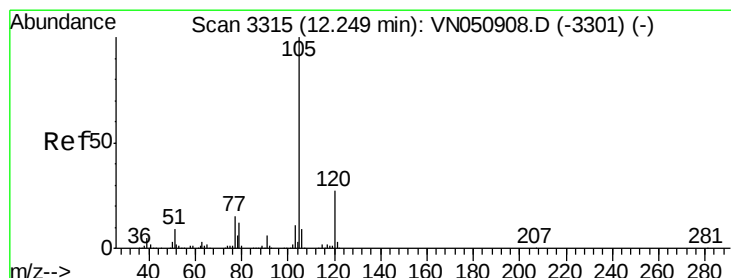
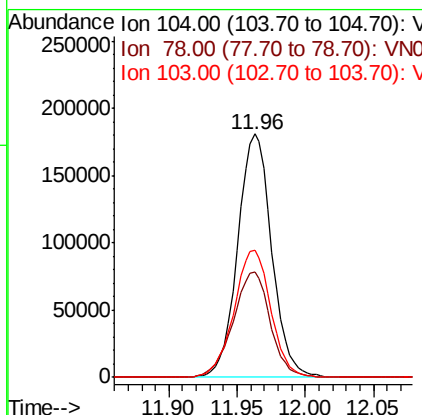
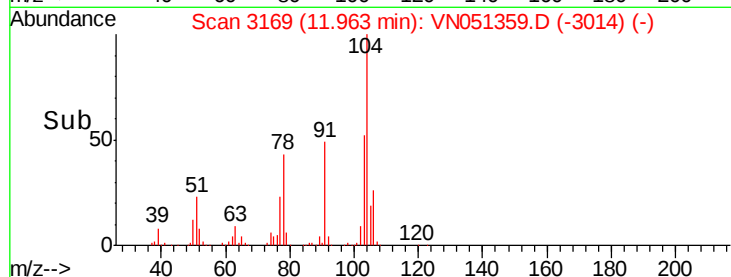
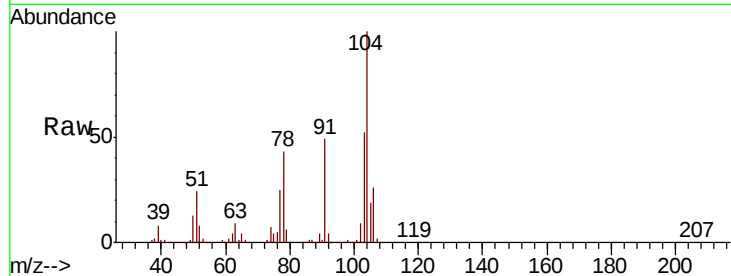
#69
Styrene
Concen: 17.537 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	313832		
78	47.3	38.6	58.0	
103	56.6	45.4	68.2	

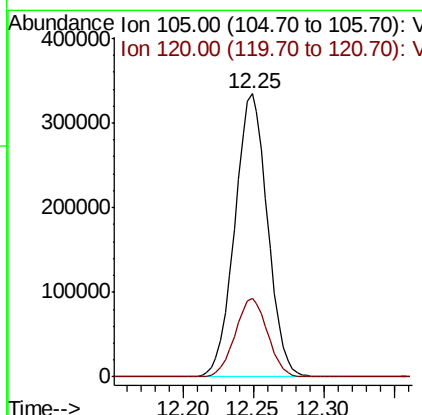
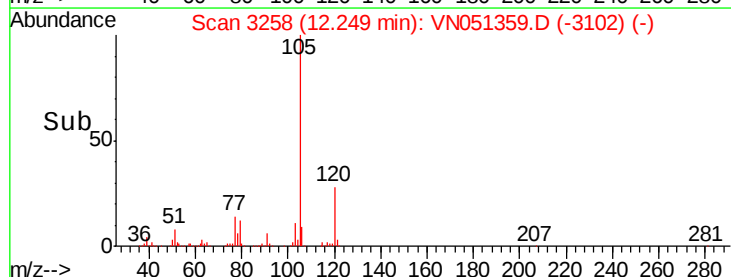
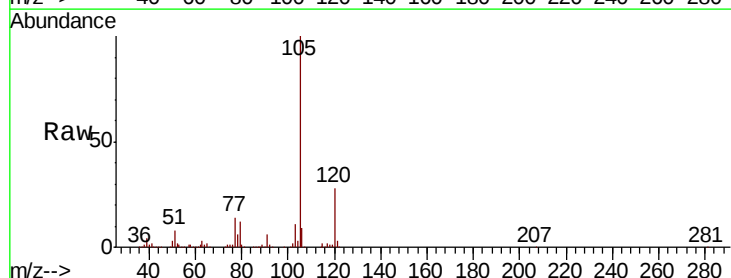
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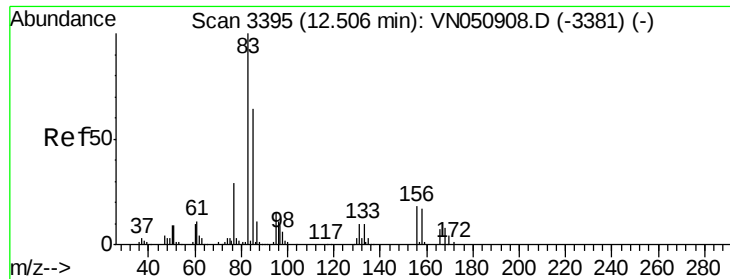
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9/25/2018 10:53:30 AM



#70
Isopropylbenzene
Concen: 18.172 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543491		
120	27.6	18.6	34.6	





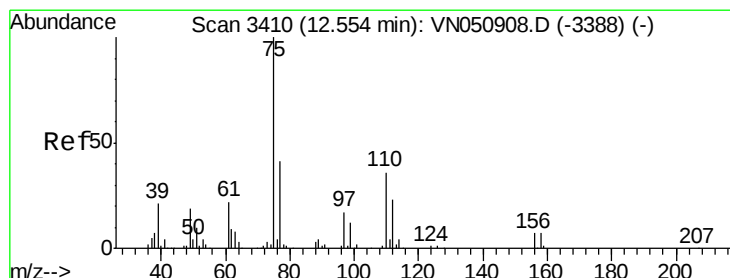
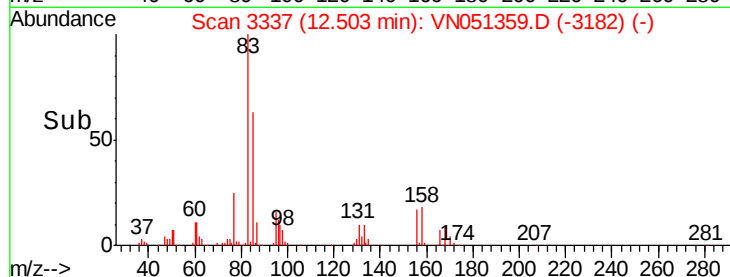
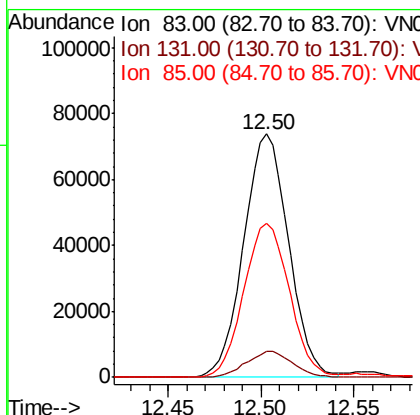
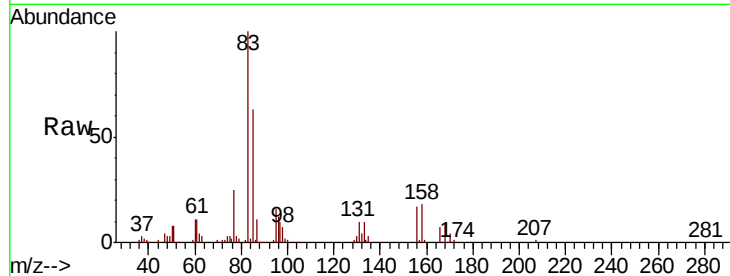
#71
 1,1,2,2-Tetrachloroethane
 Concen: 15.378 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.3	15.9
85	64.3	32.3	96.9

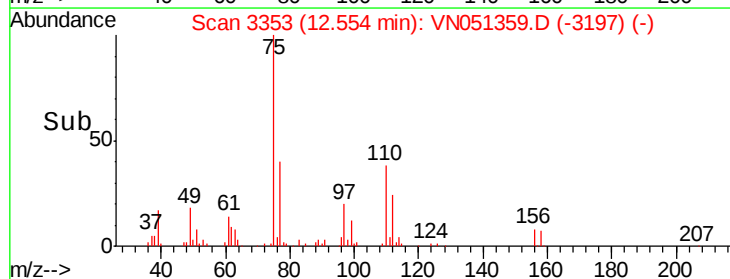
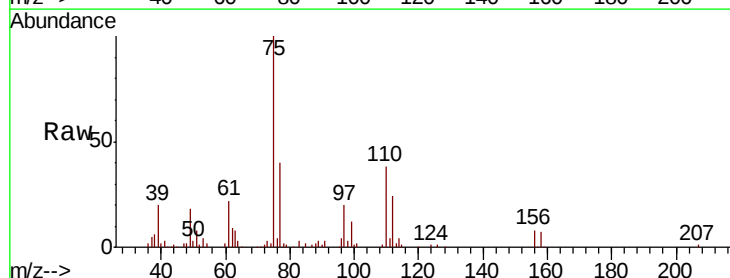
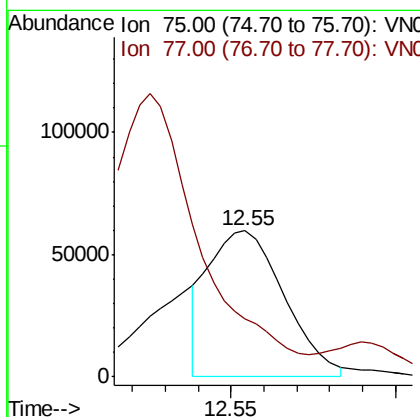
Manual Integrations
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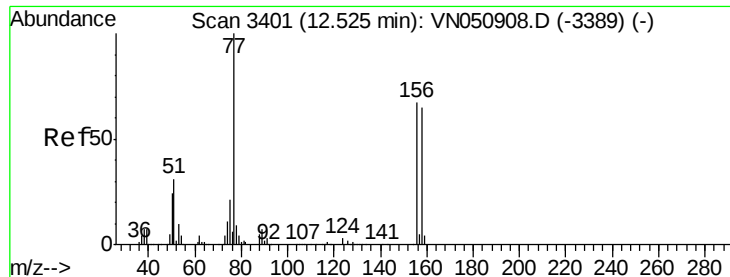
MMDadoda
 9/25/2018 10:53:30 AM



#72
 1,2,3-Trichloropropane
 Concen: 13.724 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	241.3	0.0	301.6





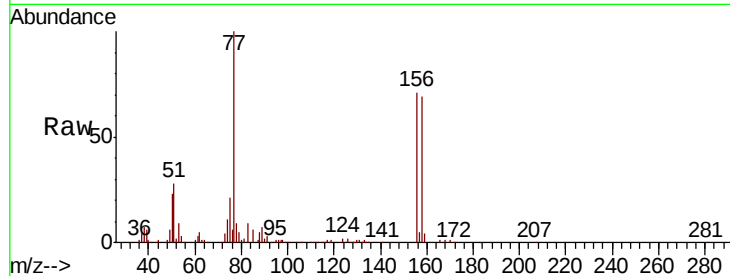
#73
Bromobenzene
Concen: 18.026 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	141848		
77	163.1	0.0	359.4	
158	98.2	0.0	194.6	

Manual Integrations
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MMDadoda
9/25/2018 10:53:30 AM

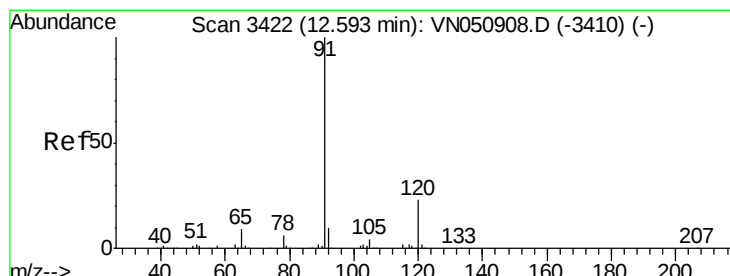
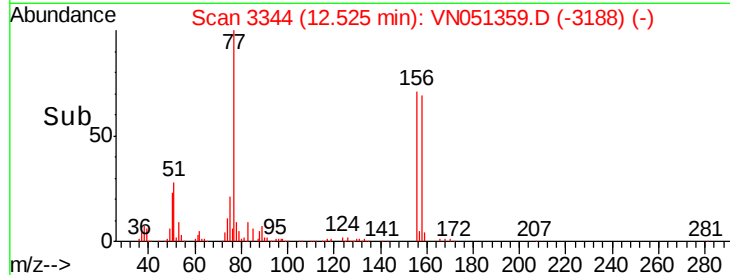
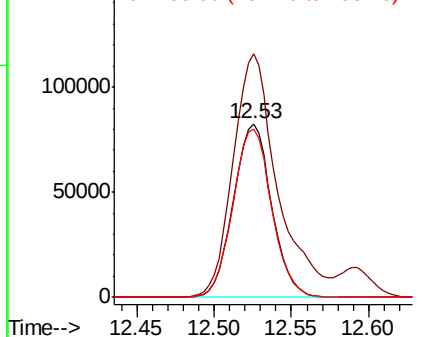


Abundance

Ion 156.00 (155.70 to 156.70): V

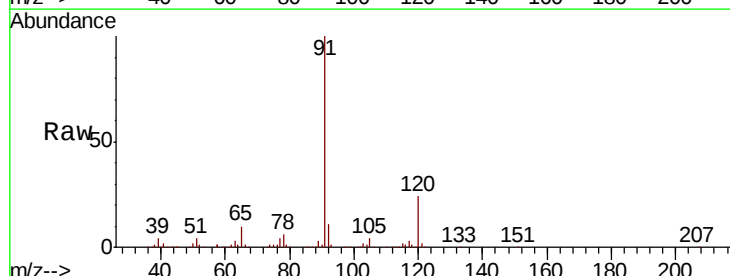
Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74
n-propylbenzene
Concen: 17.903 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

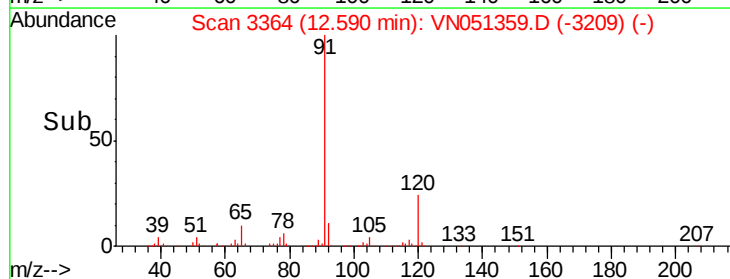
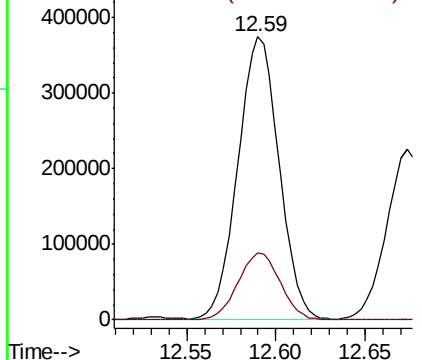
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	605355		
120	24.2	0.0	46.0	

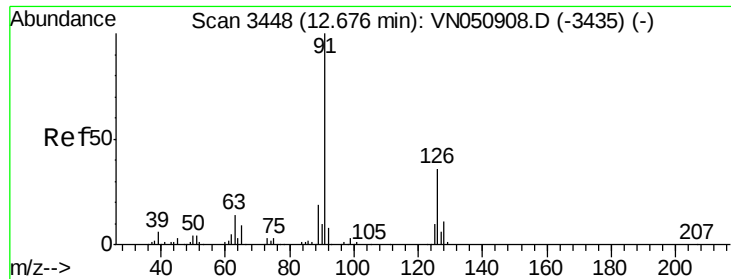


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.992 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 91 Resp: 369586

Ion Ratio Lower Upper

91 100

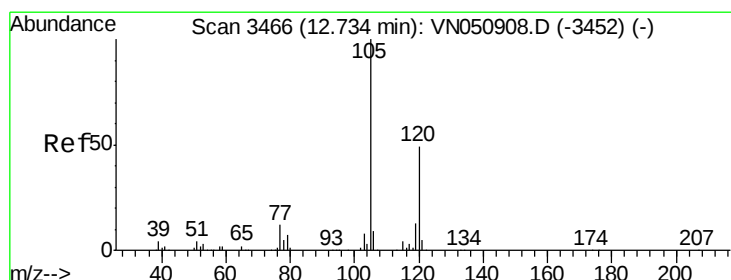
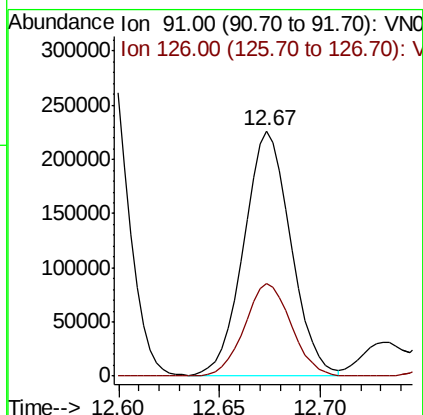
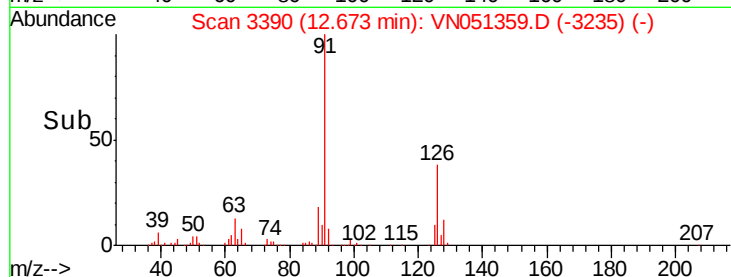
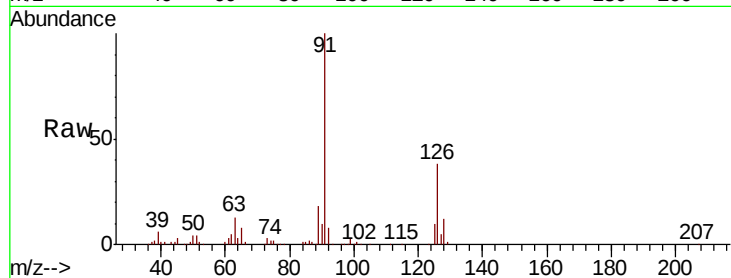
126 37.6 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 18.836 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051359.D

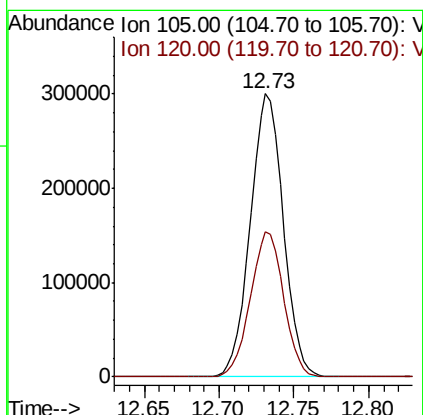
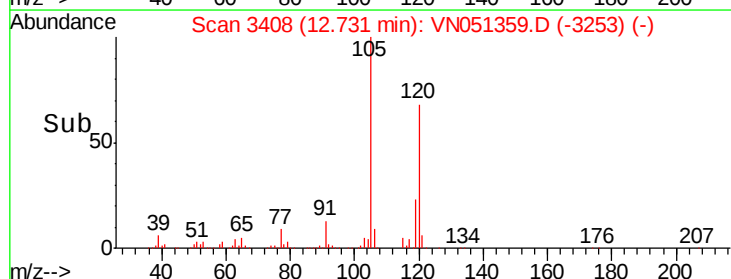
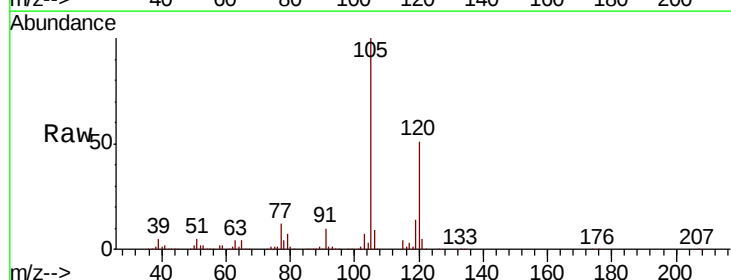
Acq: 21 Sep 2018 10:12

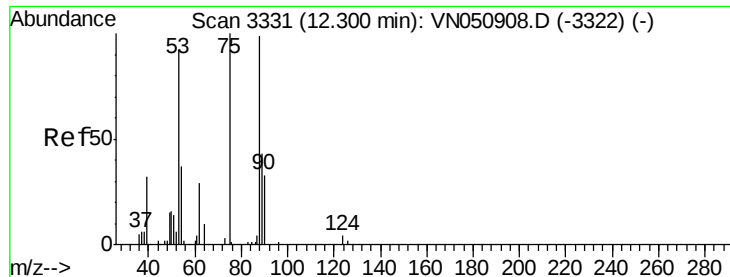
Tgt Ion: 105 Resp: 460368

Ion Ratio Lower Upper

105 100

120 51.6 0.0 99.6





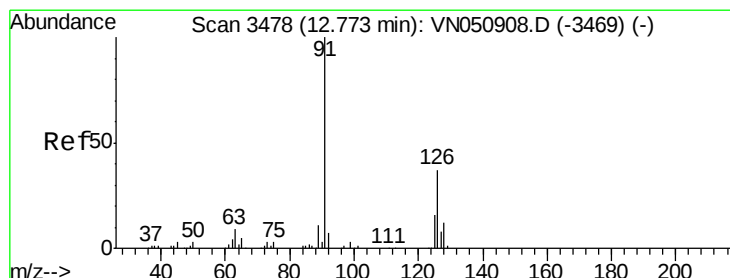
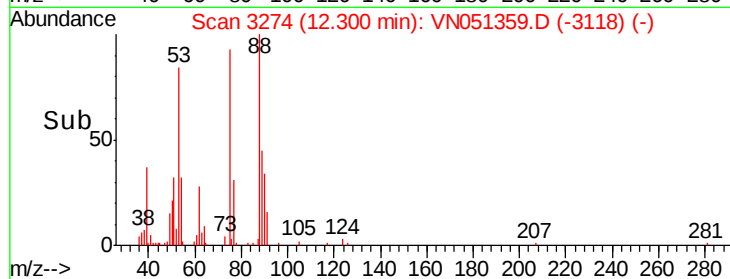
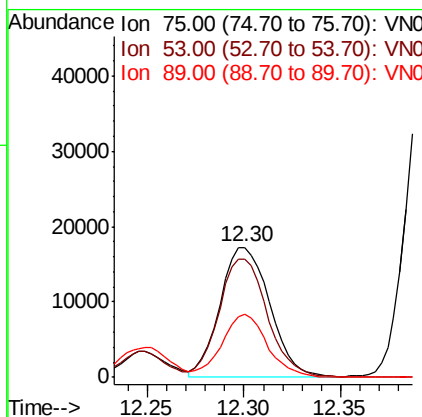
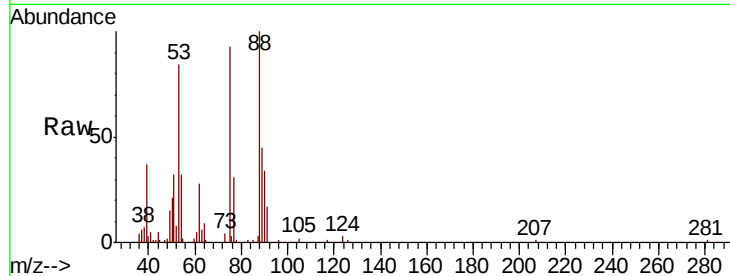
#77
t-1,4-Dichloro-2-butene
Concen: 15.560 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.0	45.5	136.4
89	48.4	21.9	65.8

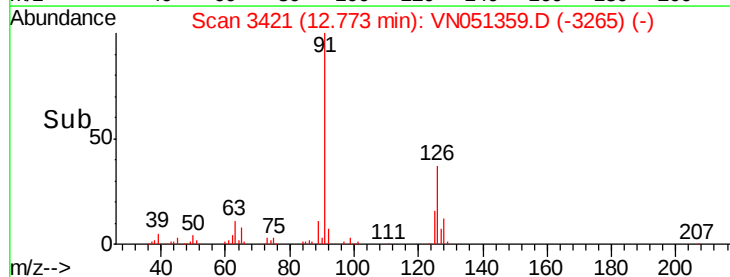
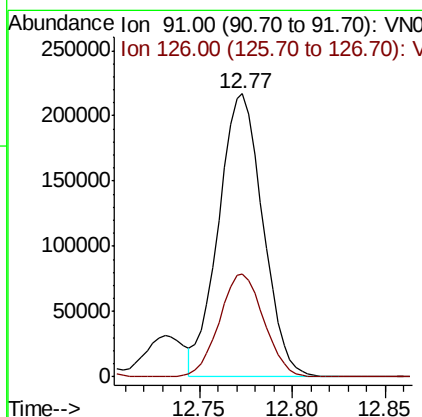
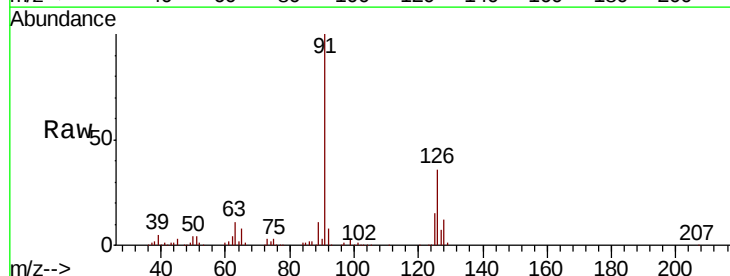
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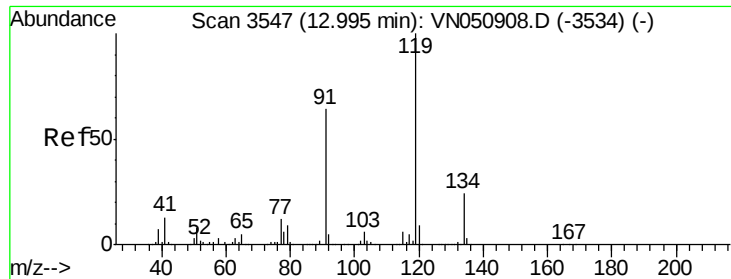
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#78
4-Chlorotoluene
Concen: 17.776 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	0.0	69.8





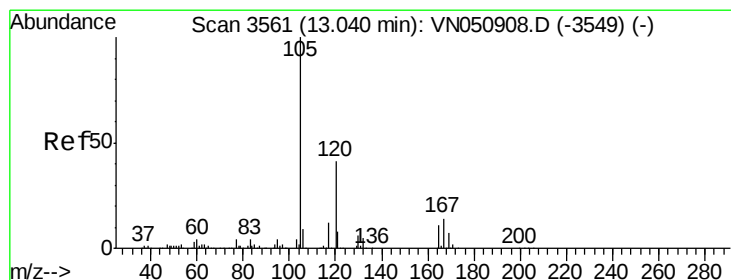
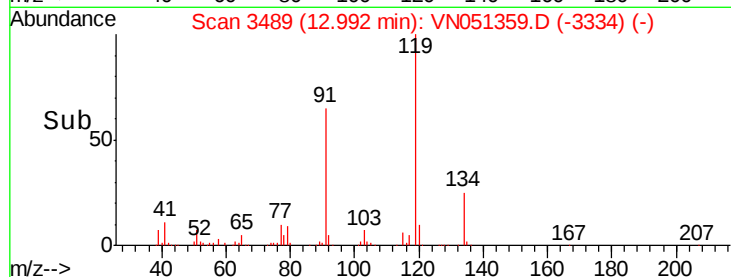
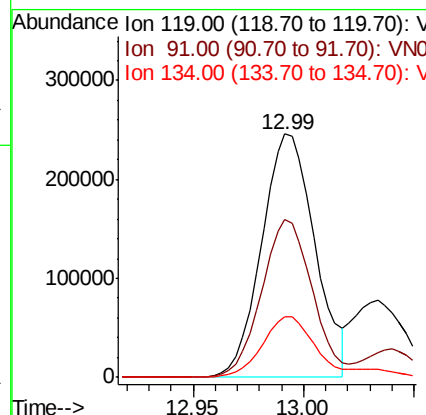
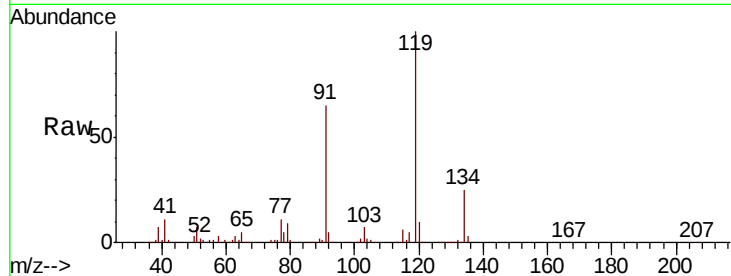
#79
tert-butylbenzene
Concen: 19.430 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	412423		
91	61.6	0.0	125.6	
134	24.2	0.0	48.4	

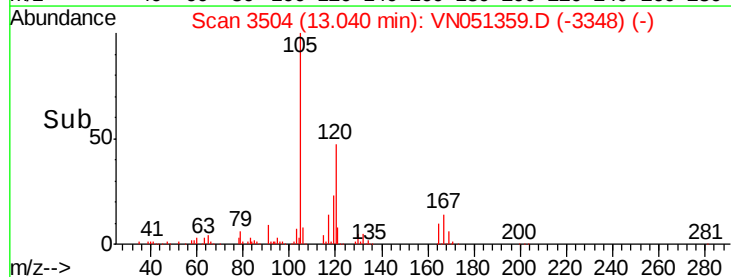
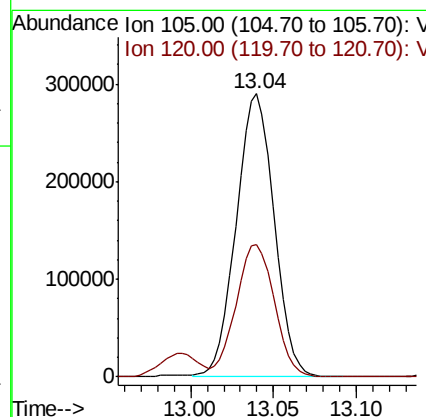
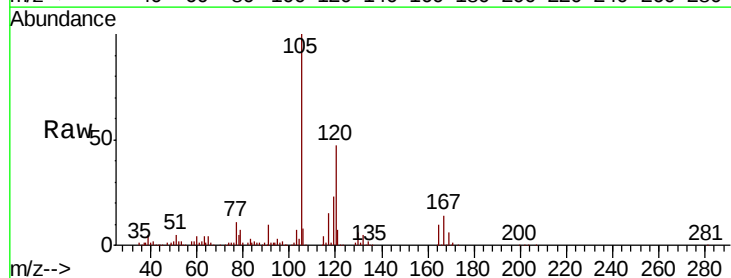
Manual Integrations
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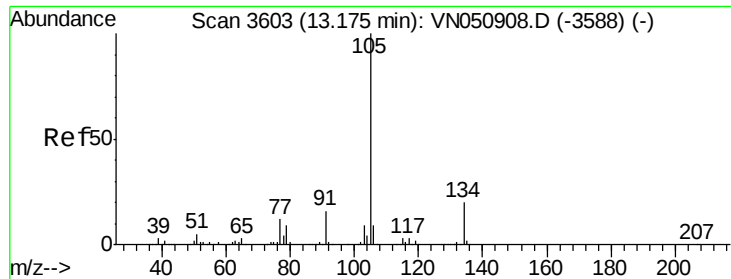
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#80
1,2,4-Trimethylbenzene
Concen: 18.883 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	460144		
120	47.4	0.0	93.6	





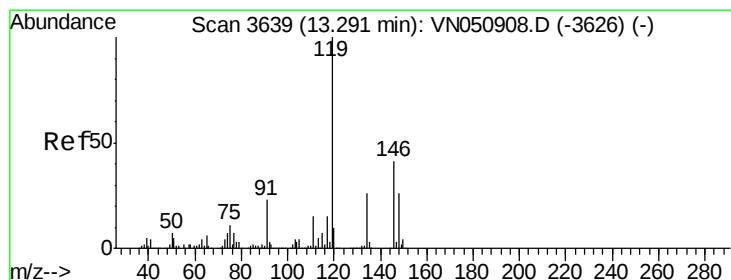
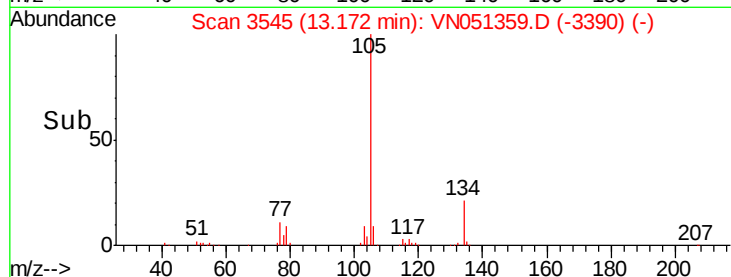
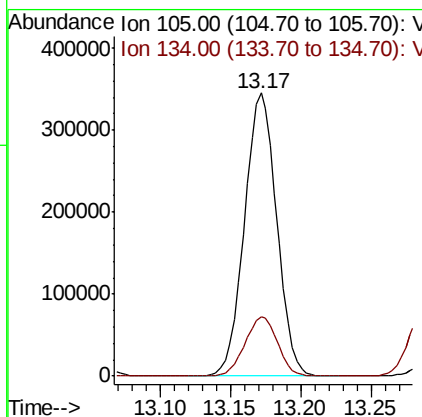
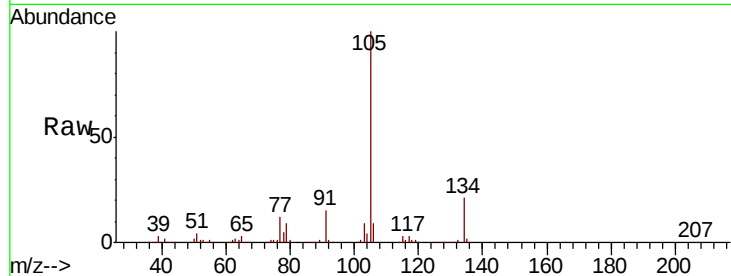
#81
 sec-Butylbenzene
 Concen: 19.924 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	553335		
134	21.1	0.0	40.8	

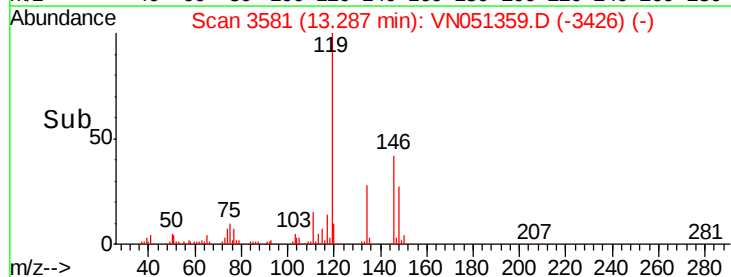
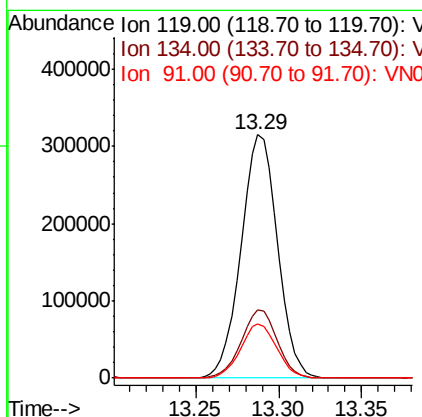
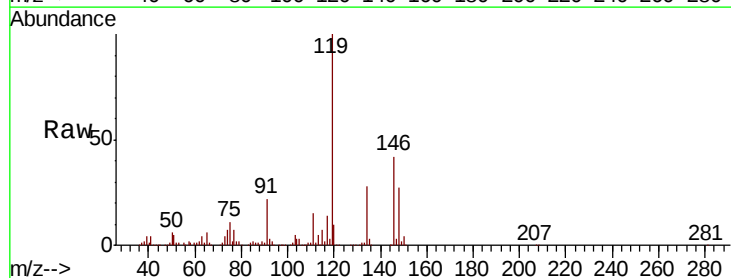
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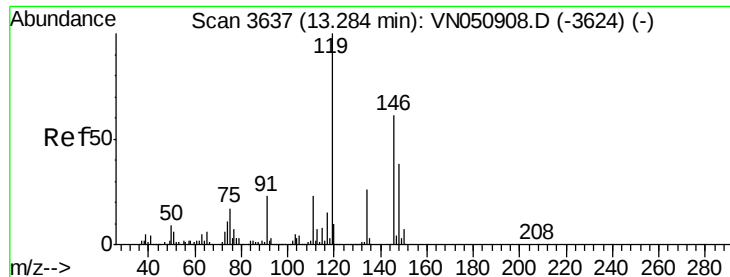
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#82
 p-Isopropyltoluene
 Concen: 20.105 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	481948		
134	27.5	0.0	53.2	
91	22.2	0.0	46.0	





#83

1,3-Dichlorobenzene

Concen: 18.601 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

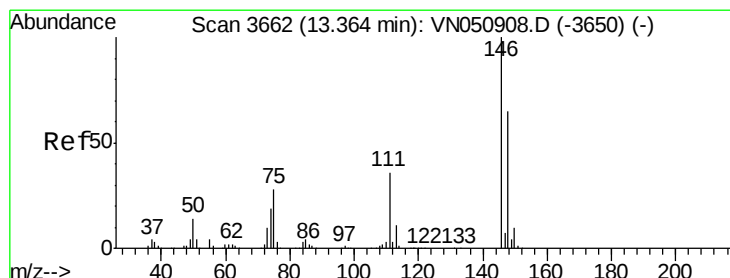
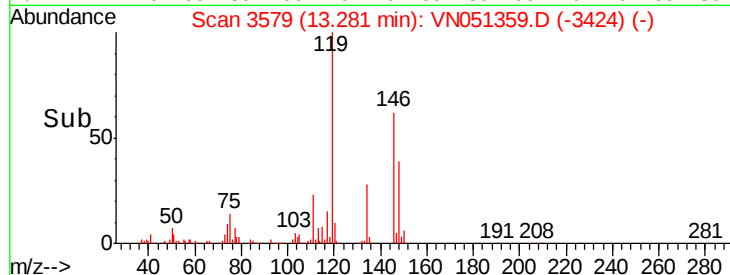
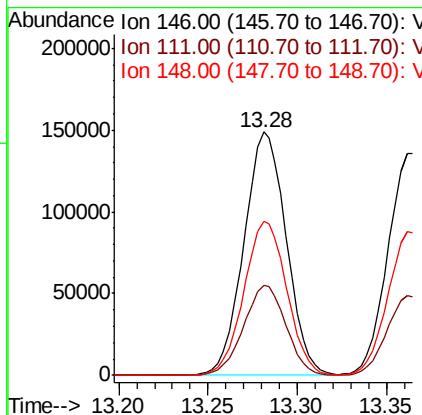
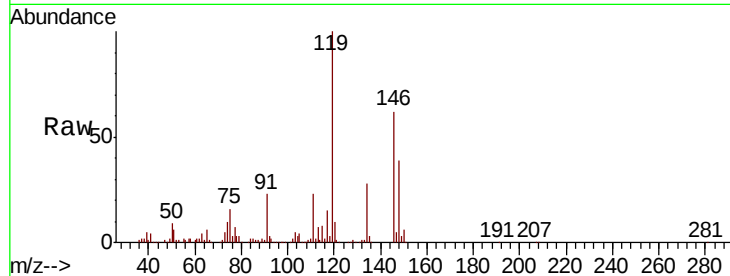
ClientSampleId :

VSTDCCC020

Tgt Ion:	146	Resp:	247464
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.6	55.6
148	63.9	31.8	95.3

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#84

1,4-Dichlorobenzene

Concen: 18.109 ug/l

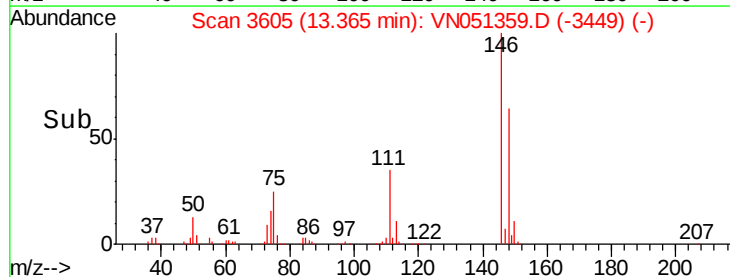
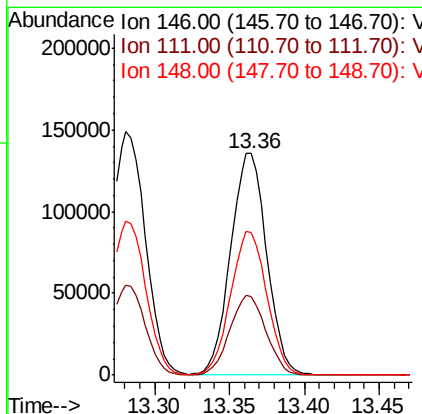
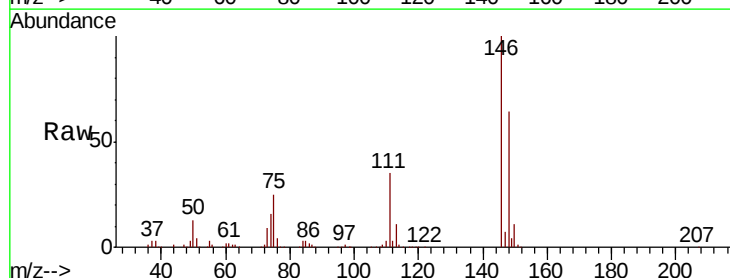
RT: 13.36 min Scan# 3605

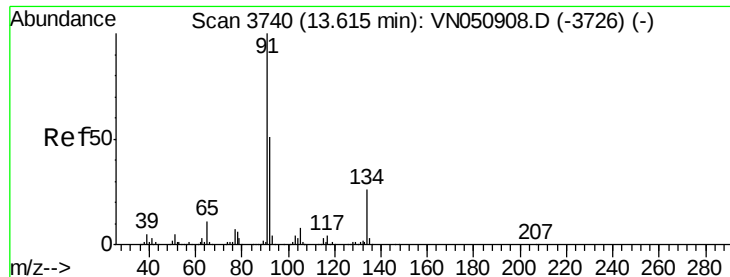
Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	146	Resp:	228278
Ion Ratio	Lower	Upper	
146	100		
111	35.9	17.7	53.1
148	64.8	31.6	94.8





#85

n-Butylbenzene

Concen: 18.644 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Instrument :

MSVOA_N

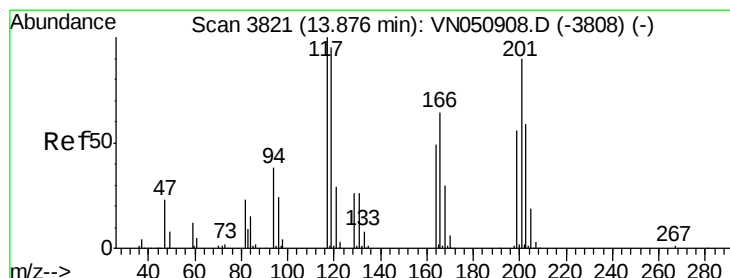
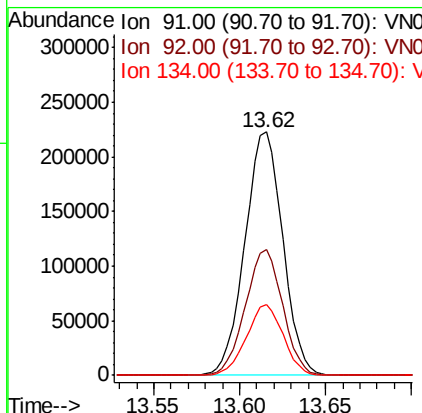
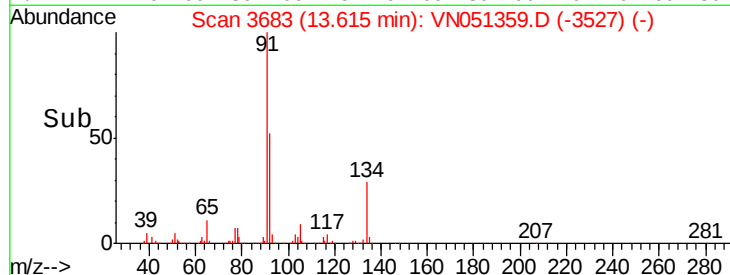
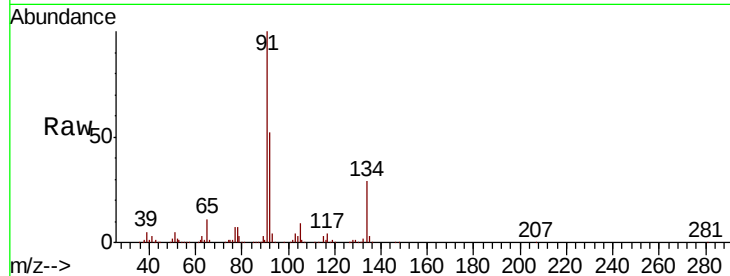
ClientSampleId :

VSTDCCC020

Tgt Ion:	91	Resp:	341021
Ion Ratio	Lower	Upper	
91	100		
92	50.8	0.0	101.8
134	28.2	0.0	52.2

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#86

Hexachloroethane

Concen: 20.578 ug/l

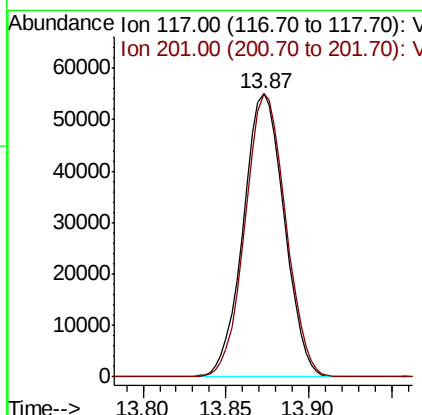
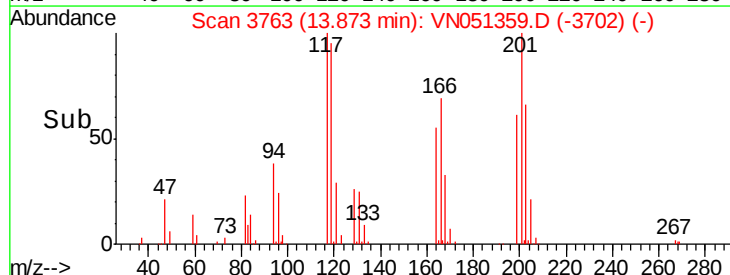
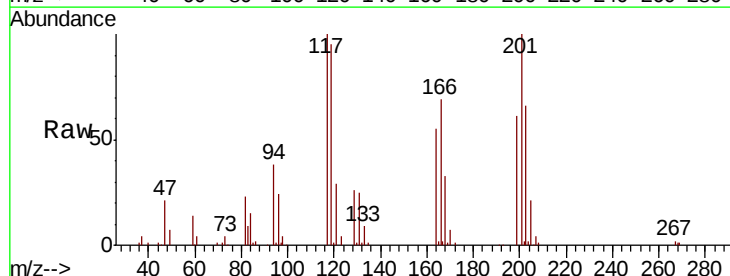
RT: 13.87 min Scan# 3763

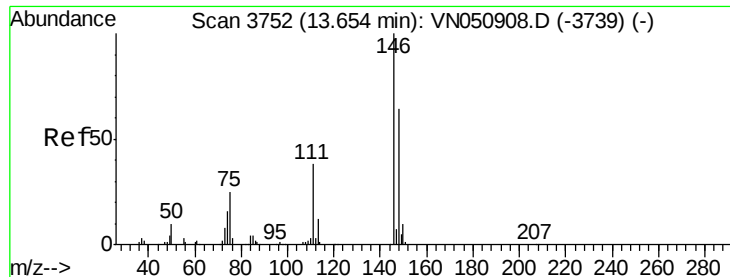
Delta R.T. -0.00 min

Lab File: VN051359.D

Acq: 21 Sep 2018 10:12

Tgt Ion:	117	Resp:	94685
Ion Ratio	Lower	Upper	
117	100		
201	98.6	45.8	137.4





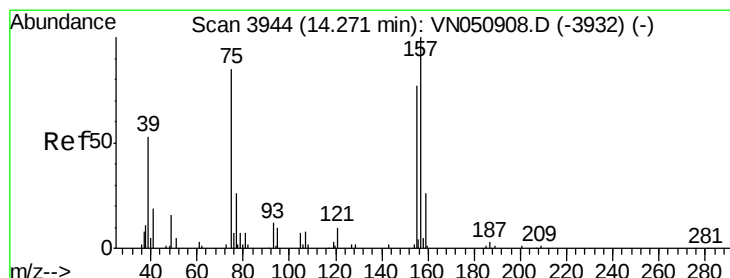
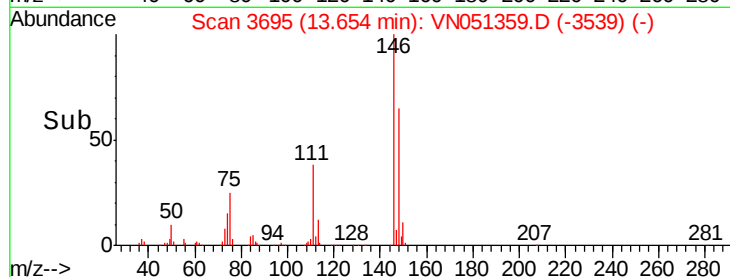
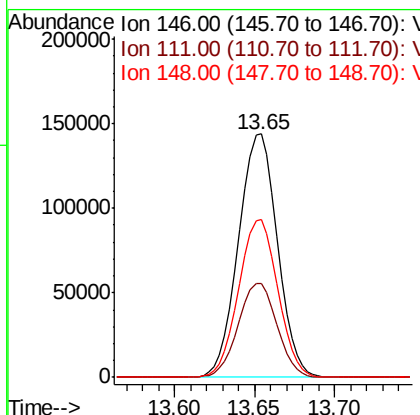
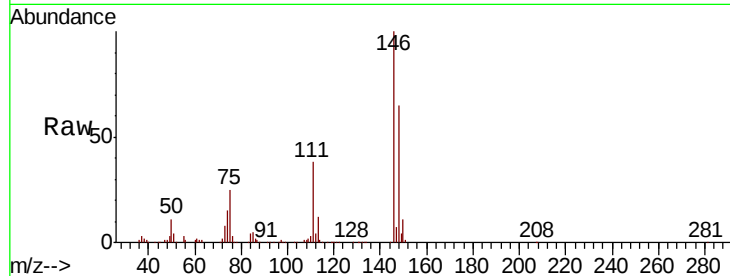
#87
 1,2-Dichlorobenzene
 Concen: 18.222 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	238618		
111	38.7	19.1	57.1	
148	65.4	31.9	95.9	

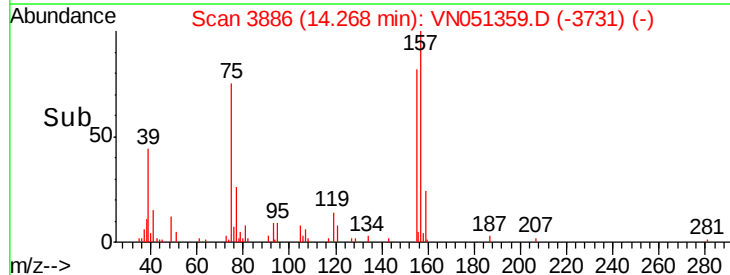
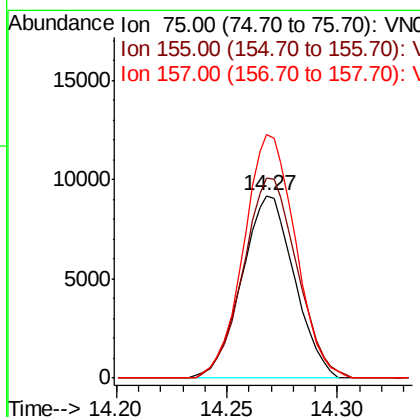
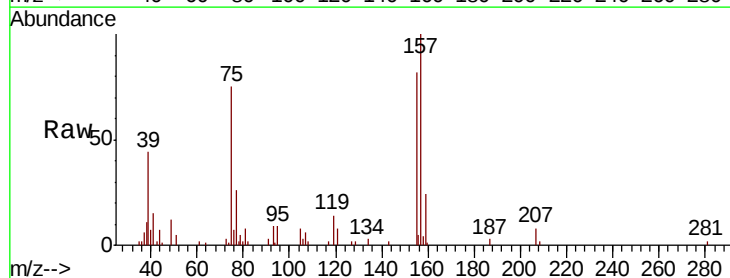
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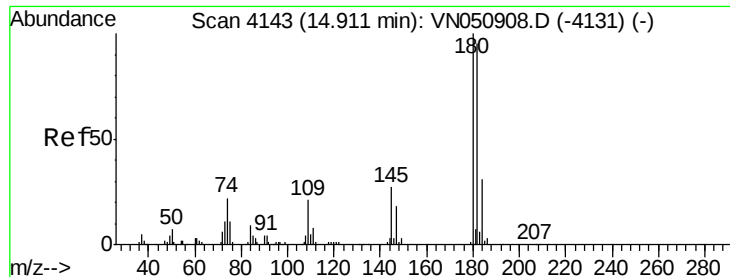
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.429 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15213		
155	111.9	71.8	107.6#	
157	130.8	91.1	136.7	





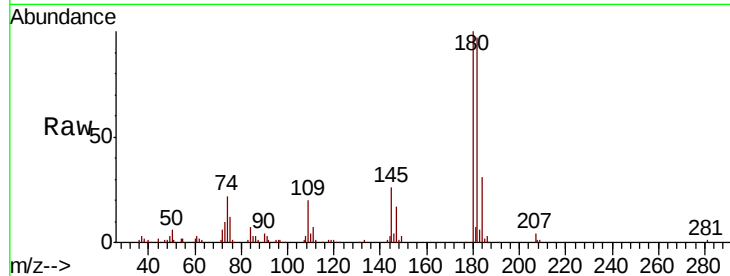
#89
 1,2,4-Trichlorobenzene
 Concen: 16.874 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

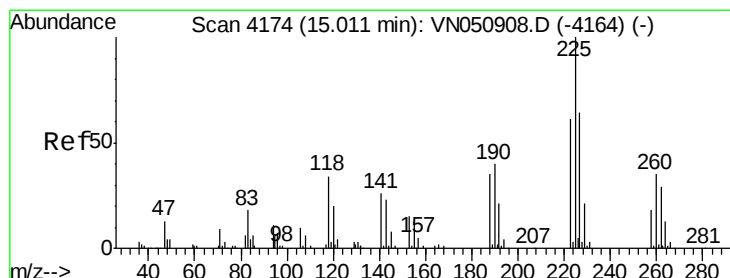
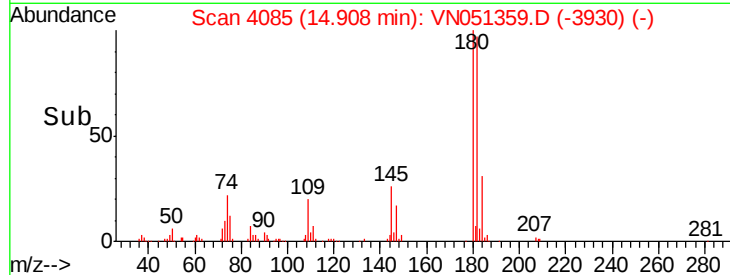
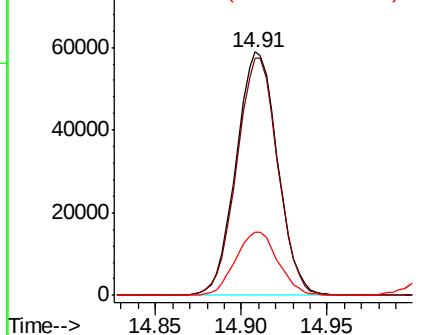
Tgt Ion:	180	Resp:	98371
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.2	114.4
145	26.7	22.2	33.4

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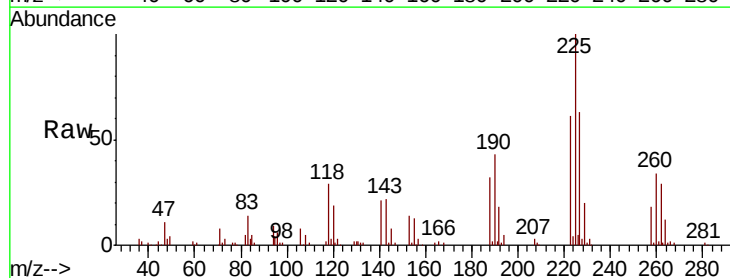


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

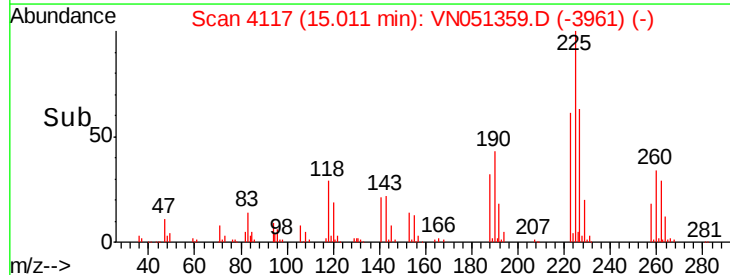
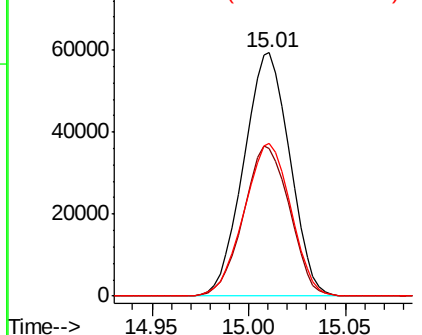


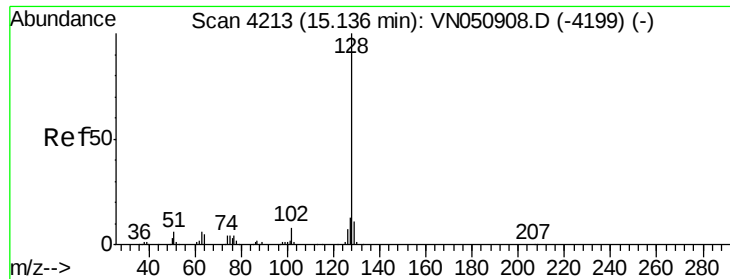
#90
 Hexachlorobutadiene
 Concen: 24.819 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051359.D
 Acq: 21 Sep 2018 10:12

Tgt Ion:	225	Resp:	98304
Ion Ratio	Lower	Upper	
225	100		
223	61.7	0.0	127.8
227	64.0	0.0	128.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





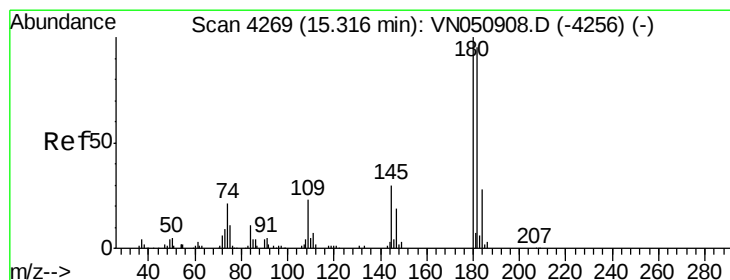
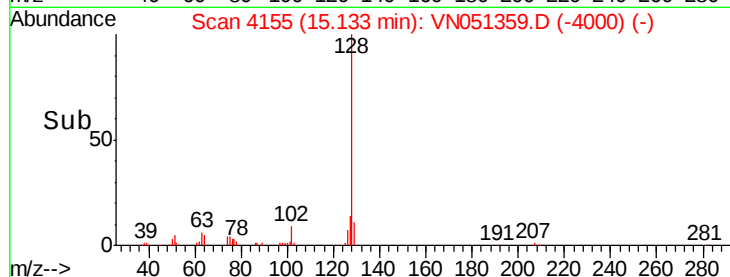
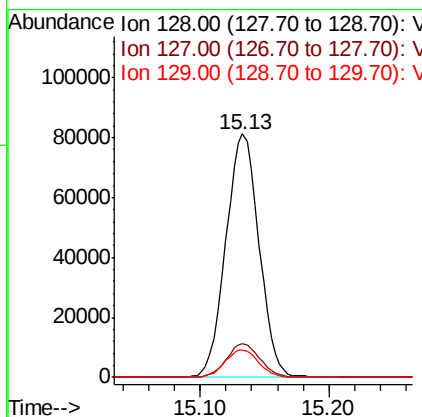
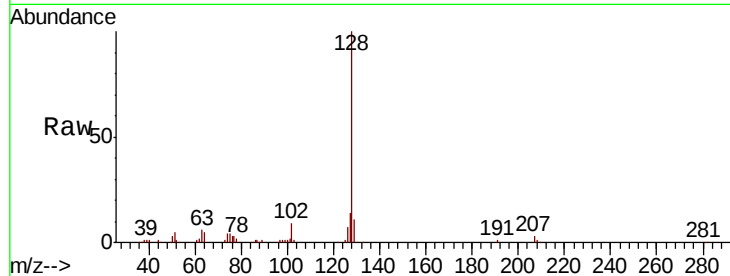
#91
Naphthalene
Concen: 16.535 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/25/2018 10:53:30 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.465 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051359.D
Acq: 21 Sep 2018 10:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	192.8
145	28.9	0.0	60.0

