

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051862.D
 Acq On : 15 Oct 2018 9:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Quant Time: Oct 16 00:50:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

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 10/16/2018 3:56:17 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	158161	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	897012	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	777974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288528	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	328661	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	10.09	98	1045339	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	130464	21.23	ug/l	98
3) Chloromethane	2.06	50	121940	18.78	ug/l	100
4) Vinyl Chloride	2.18	62	179396	18.50	ug/l	99
5) Bromomethane	2.57	94	157230	18.35	ug/l	87
6) Chloroethane	2.70	64	128745	18.42	ug/l	98
7) Trichlorofluoromethane	3.01	101	288770	20.89	ug/l	97
8) Diethyl Ether	3.41	74	82187	20.42	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.76	101	168722	21.43	ug/l #	41
10) 1,1-Dichloroethene	3.74	96	149555	20.54	ug/l	83
11) Methyl Iodide	3.95	142	198767	18.78	ug/l	94
12) Methyl Acetate	4.33	43	96222	21.28	ug/l	93
13) Acrolein	3.61	56	23807	79.91	ug/l	92
14) Acrylonitrile	4.99	53	198639	98.29	ug/l #	44
15) Acetone	3.82	58	51106	102.30	ug/l	88
16) Carbon Disulfide	4.05	76	386625	20.22	ug/l	98
17) Allyl chloride	4.32	41	160137	18.52	ug/l	74
18) Methylene Chloride	4.55	84	164436	20.20	ug/l #	85
19) trans-1,2-Dichloroethene	5.04	96	162193	19.51	ug/l	82
20) Diisopropyl ether	5.95	45	378338	19.65	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	267473	19.88	ug/l #	96
22) cis-1,2-Dichloroethene	6.83	96	190920	19.55	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	52765	99.13	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	419480	19.99	ug/l #	66
25) Chloroform	7.37	83	317299	19.88	ug/l	95
26) Cyclohexane	7.65	56	217216	19.04	ug/l #	69
29) 1,1-Dichloropropene	7.79	75	223133	19.30	ug/l	95
30) 2-Butanone	6.84	43	229473	94.95	ug/l #	82
31) 2,2-Dichloropropane	6.82	77	276355	20.32	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	301400	19.66	ug/l	94
33) Carbon Tetrachloride	7.77	117	274396	19.78	ug/l	94
34) Benzene	8.04	78	673618	19.70	ug/l #	67
35) Methacrylonitrile	7.17	41	48400	15.24	ug/l	75
36) 1,2-Dichloroethane	8.12	62	208115	18.99	ug/l	97
37) Trichloroethene	8.83	130	206147	19.42	ug/l	100
38) Methylcyclohexane	9.08	83	291545	19.66	ug/l	79
39) 1,2-Dichloropropane	9.12	63	156380	19.41	ug/l	96
40) Dibromomethane	9.21	93	115292	19.29	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	238713	19.33	ug/l	94
42) Vinyl Acetate	5.90	43	1295186	95.20	ug/l #	88
43) Ethyl Acetate	6.93	43	101948	19.43	ug/l	95
44) Isopropyl Acetate	8.16	43	206087	19.66	ug/l #	75
45) 1,4-Dioxane	9.20	88	32859	390.43	ug/l #	79
46) Methyl methacrylate	9.20	41	91299	18.88	ug/l	76
47) n-amyl Acetate	12.07	43	152621	17.39	ug/l #	75
48) t-1,3-Dichloropropene	10.38	75	223171	18.53	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	260239	19.61	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	158406	19.18	ug/l	94
51) Ethyl methacrylate	10.43	69	177422	18.76	ug/l	84
52) 1,3-Dichloropropane	10.71	76	246216	19.31	ug/l	97
53) Dibromochloromethane	10.90	129	193003	18.89	ug/l	96
54) 1,2-Dibromoethane	11.00	107	162900	18.79	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	402682	99.61	ug/l #	92
56) Bromoform	12.13	173	119888	17.79	ug/l	94
58) 4-Methyl-2-Pentanone	9.98	43	526125	101.06	ug/l #	88
59) 2-Hexanone	10.75	43	346696	98.71	ug/l	89
61) Tetrachloroethene	10.63	164	211202	21.23	ug/l	97
62) Toluene	10.15	91	779779	20.18	ug/l	99
64) Chlorobenzene	11.43	112	499759	19.74	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	192751	19.84	ug/l	98
66) Ethyl Benzene	11.51	91	836124	19.57	ug/l	99
67) m/p-Xylenes	11.62	106	670711	38.73	ug/l	97
68) o-Xylene	11.95	106	331330	19.41	ug/l	89
69) Styrene	11.96	104	489932	18.70	ug/l	97
70) Isopropylbenzene	12.25	105	884346	19.43	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	170305	18.94	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	167454m	23.68	ug/l	
73) Bromobenzene	12.53	156	211485	18.75	ug/l	84
74) n-propylbenzene	12.59	91	937884	19.15	ug/l	95
75) 2-Chlorotoluene	12.67	91	553897	19.29	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	716180	19.02	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43996	18.81	ug/l	95
78) 4-Chlorotoluene	12.77	91	528894	18.75	ug/l	93
79) tert-butylbenzene	12.99	119	661678	19.11	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	709265	18.85	ug/l	96
81) sec-Butylbenzene	13.17	105	857153	18.93	ug/l	96
82) p-Isopropyltoluene	13.29	119	757856	18.70	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	356209	17.90	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	332885	17.77	ug/l	98
85) n-Butylbenzene	13.61	91	573320	18.76	ug/l	95
86) Hexachloroethane	13.87	117	133739	19.14	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	350412	18.19	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24313	18.11	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	138503	18.62	ug/l	98
90) Hexachlorobutadiene	15.01	225	119793	19.30	ug/l	95
91) Naphthalene	15.13	128	252097	18.10	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	145057	16.55	ug/l	93

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VSTDCCC020

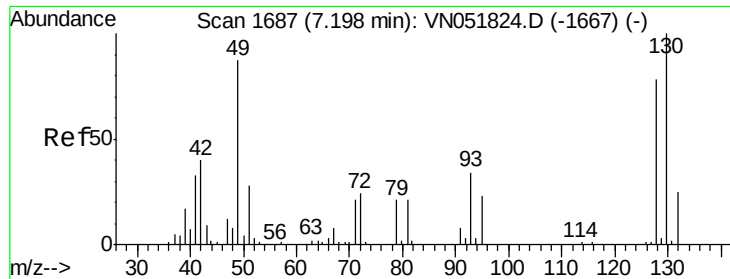
Manual Integrations
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Quant Time: Oct 16 00:50:47 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



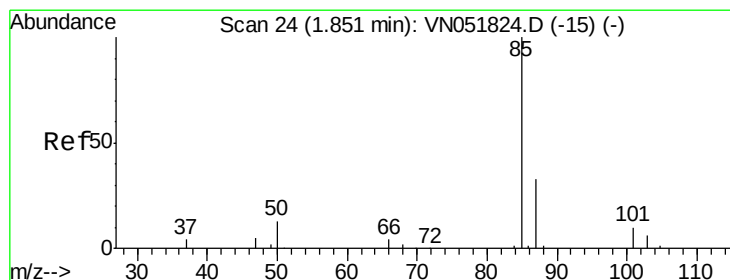
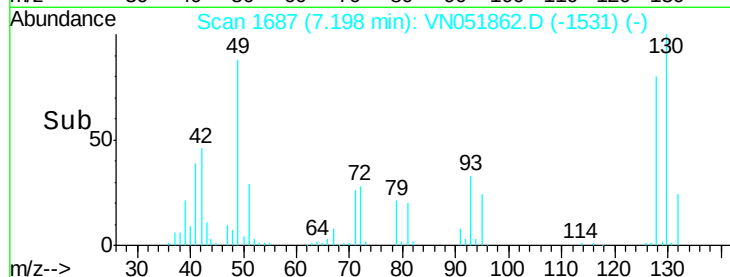
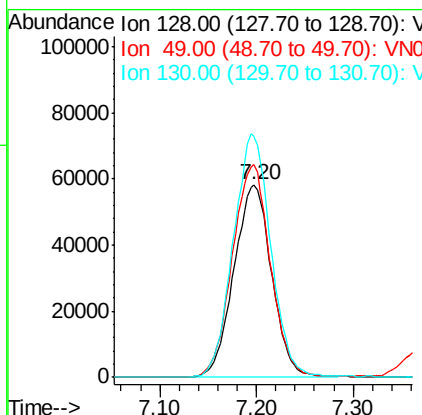
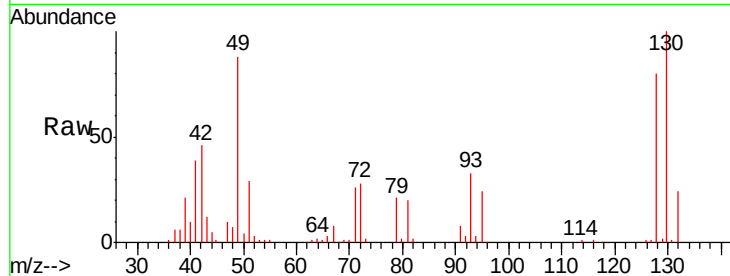
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	158161		
49	111.2	0.0	403.3	
130	125.3	0.0	326.0	

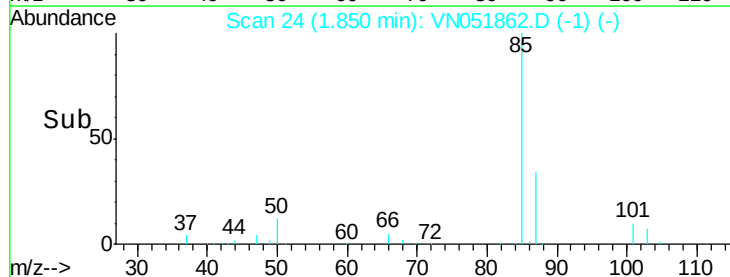
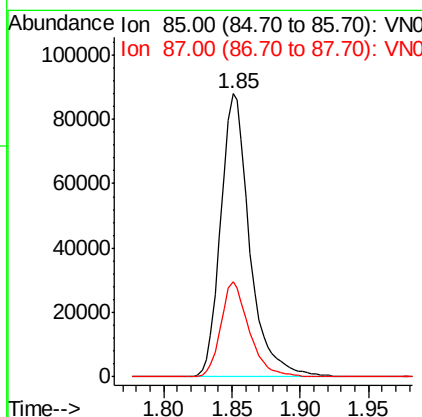
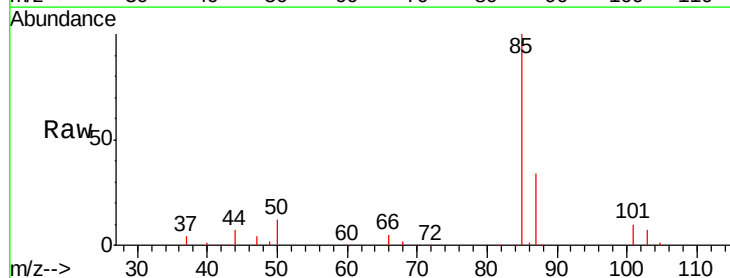
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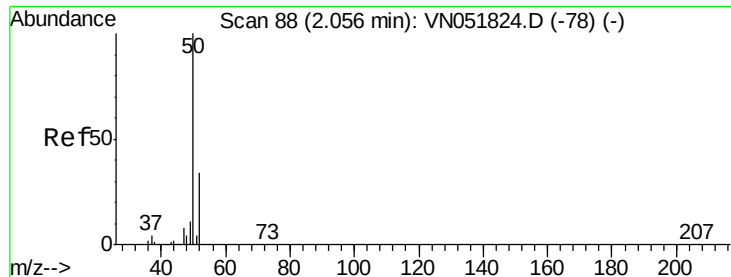
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#2
Dichlorodifluoromethane
Concen: 21.23 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	130464		
87	33.7	16.3	48.8	





#3

Chloromethane

Concen: 18.78 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion: 50 Resp: 121940

Ion Ratio Lower Upper

50 100

52 33.9 27.2 40.8

Instrument :

MSVOA_N

ClientSampleId :

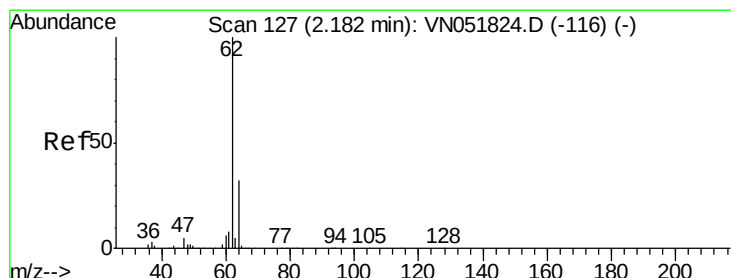
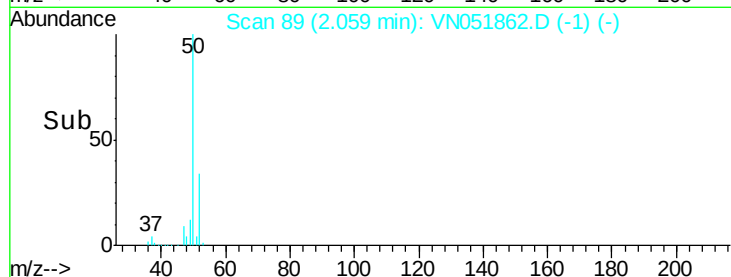
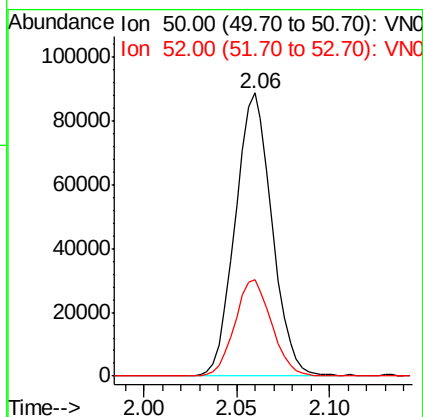
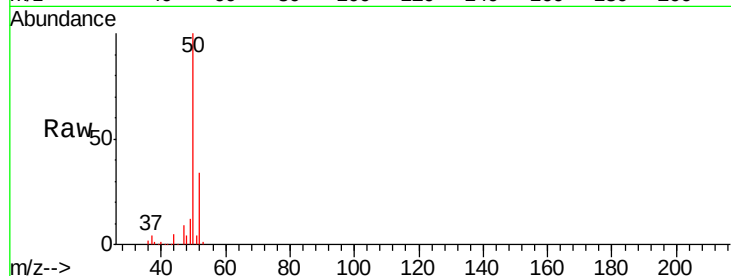
VSTDCCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.50 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051862.D

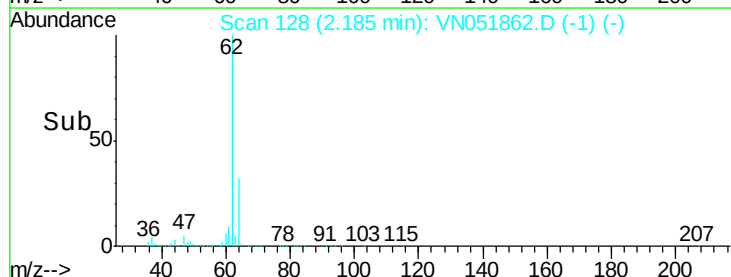
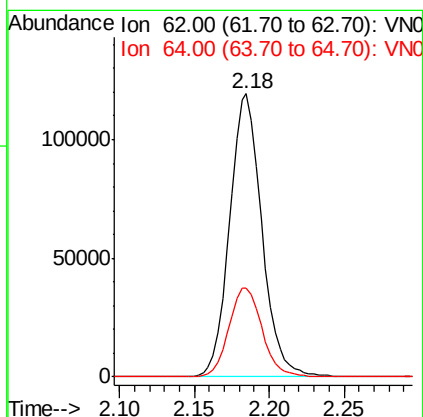
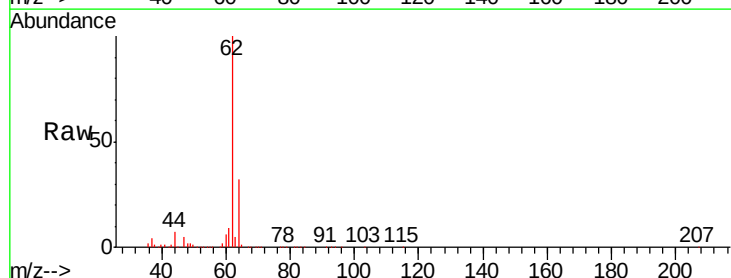
Acq: 15 Oct 2018 9:41

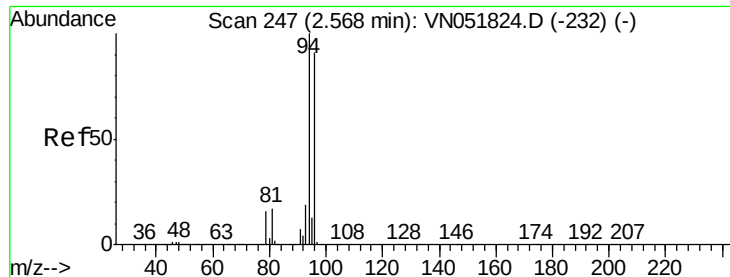
Tgt Ion: 62 Resp: 179396

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 18.35 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion: 94 Resp: 157230

Ion Ratio Lower Upper

94 100

96 94.4 66.4 99.6

Instrument :

MSVOA_N

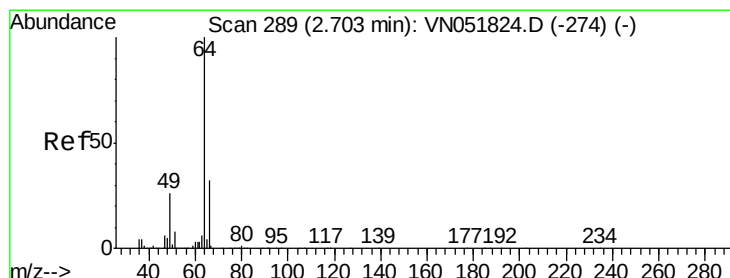
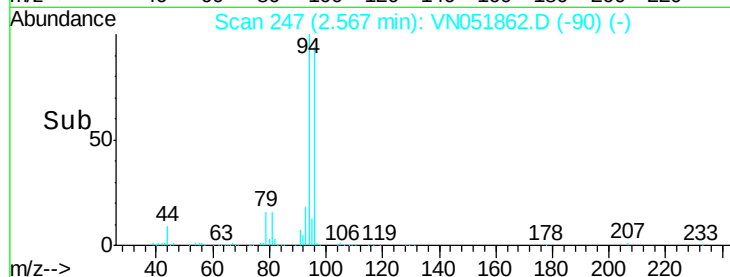
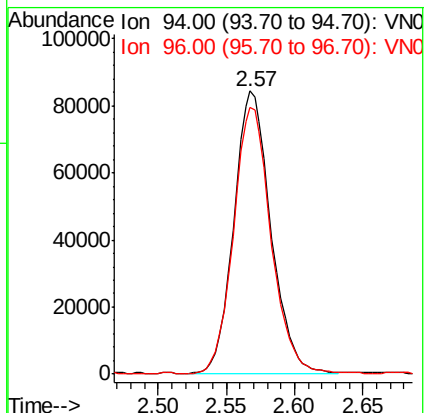
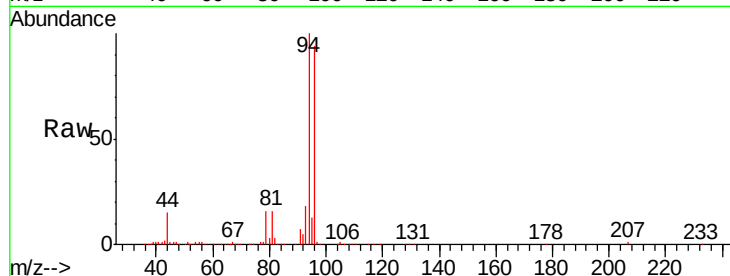
ClientSampled :

VSTDCCC020

Manual Integrations
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#6

Chloroethane

Concen: 18.42 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051862.D

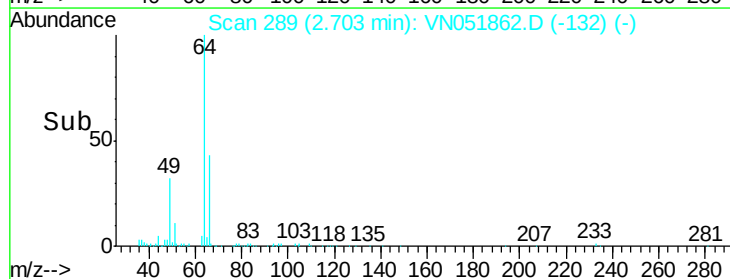
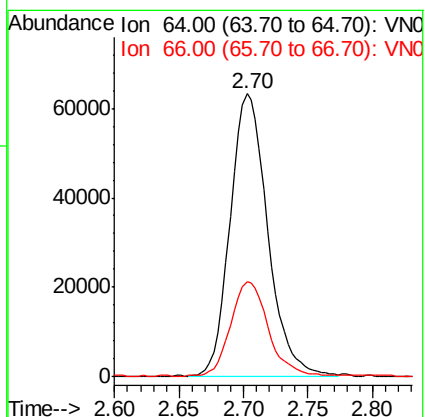
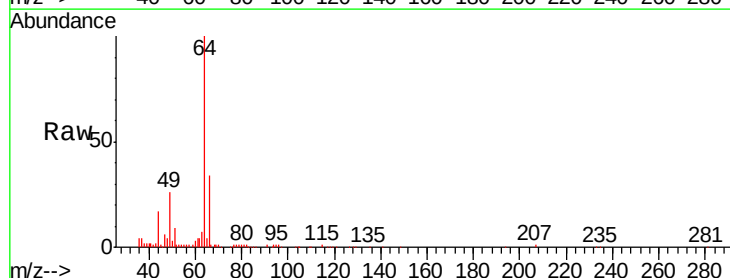
Acq: 15 Oct 2018 9:41

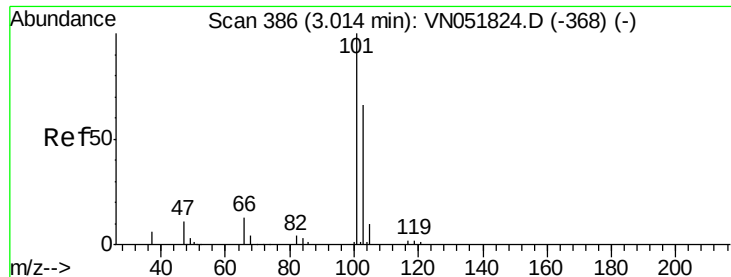
Tgt Ion: 64 Resp: 128745

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6





#7

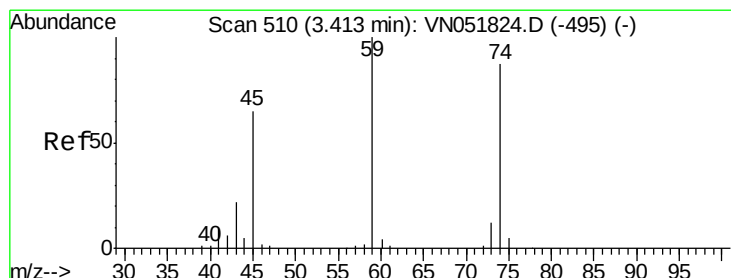
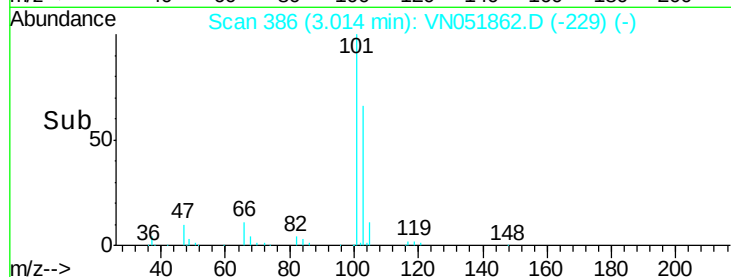
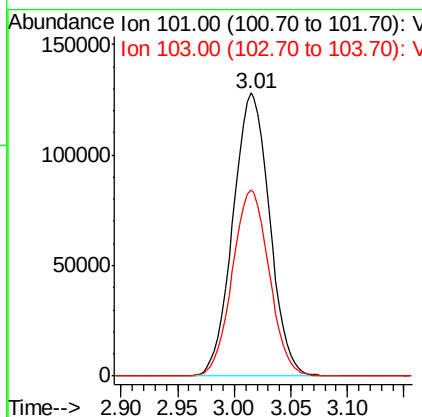
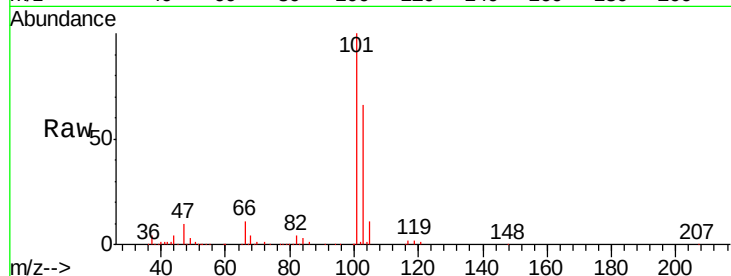
Trichlorofluoromethane
 Concen: 20.89 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.9	54.8	82.2

Manual Integrations
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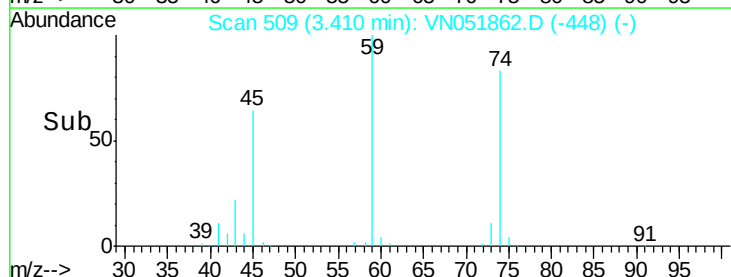
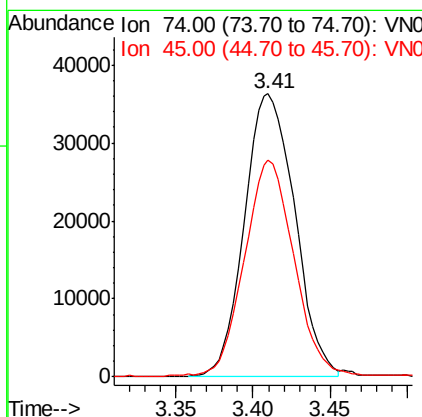
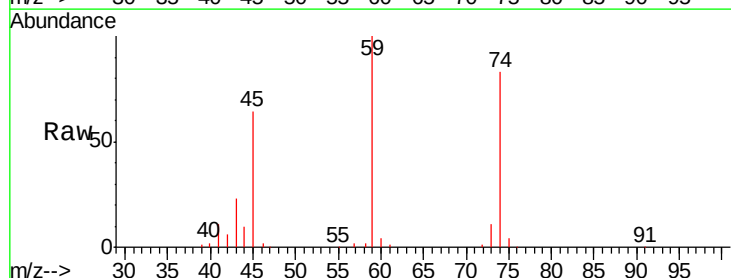
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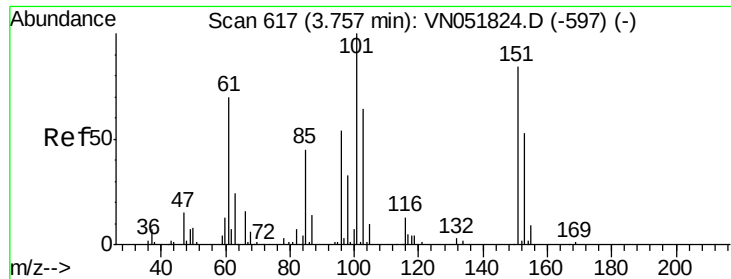


#8

Diethyl Ether
 Concen: 20.42 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.8	20.7	186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.43 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

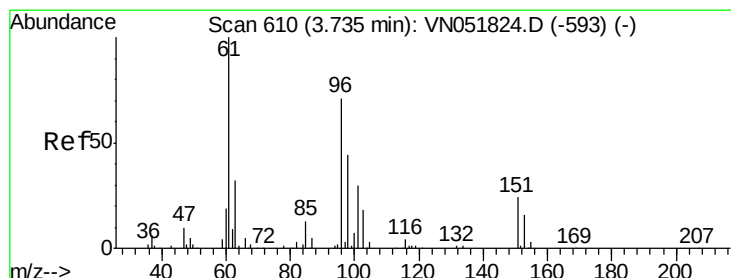
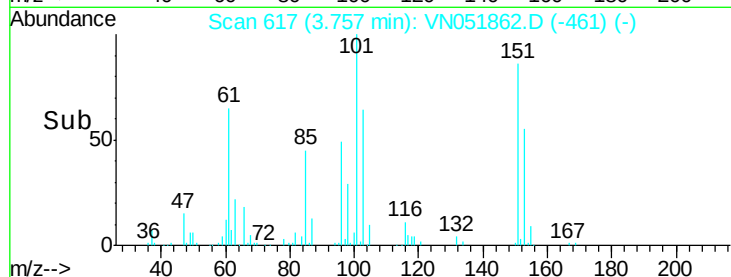
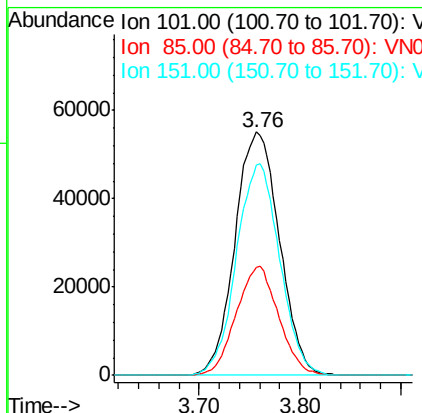
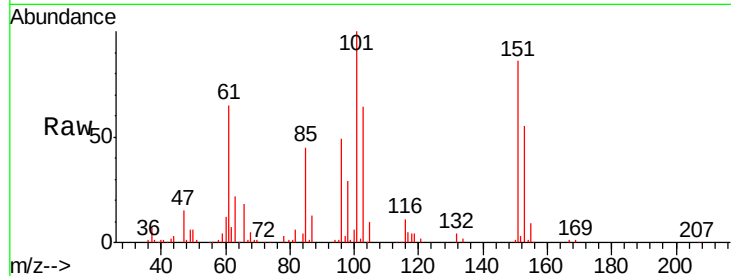
VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Upper
101	100		
85	42.7	0.0	46.0
151	84.5	0.0	82.2#

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.54 ug/l

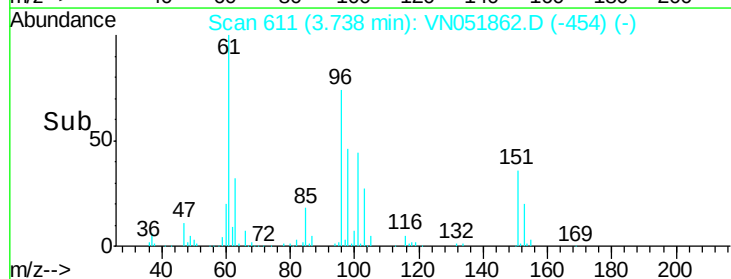
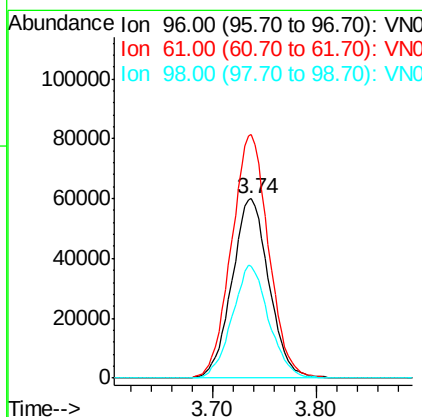
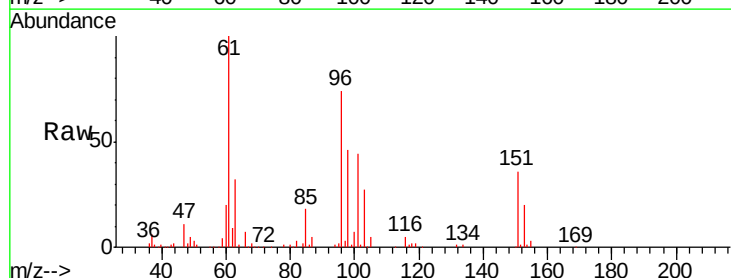
RT: 3.74 min Scan# 611

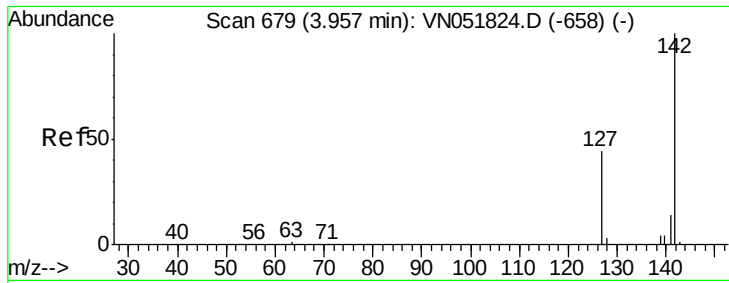
Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	135.9	133.0	199.6
98	62.1	52.6	78.8





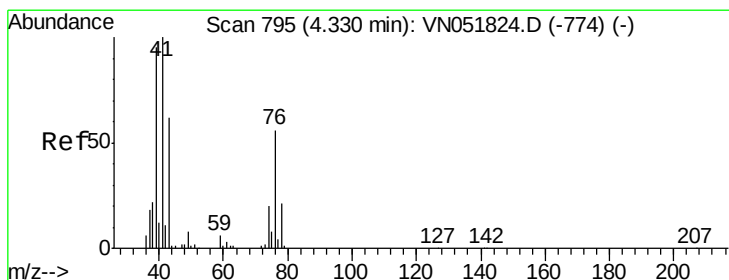
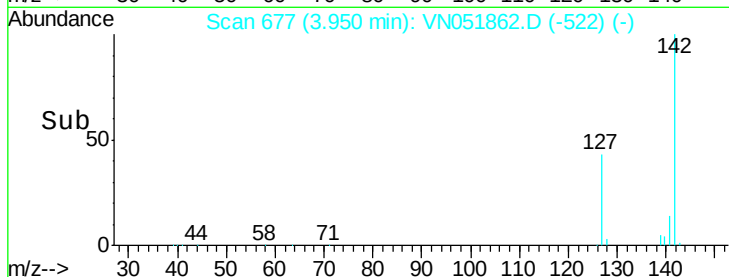
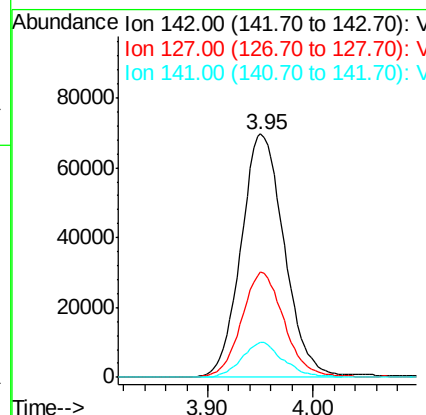
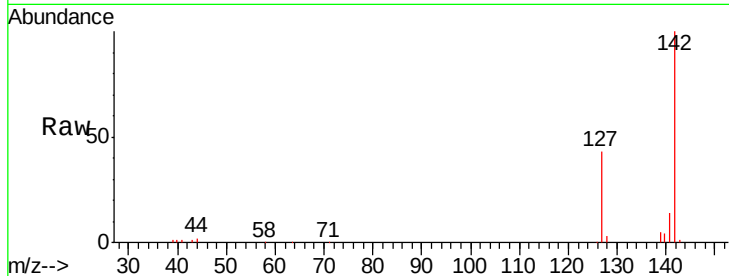
#11
Methyl Iodide
Concen: 18.78 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	19.7	59.0
141	14.6	6.3	18.9

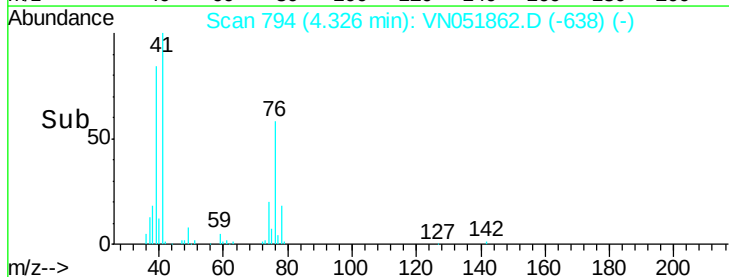
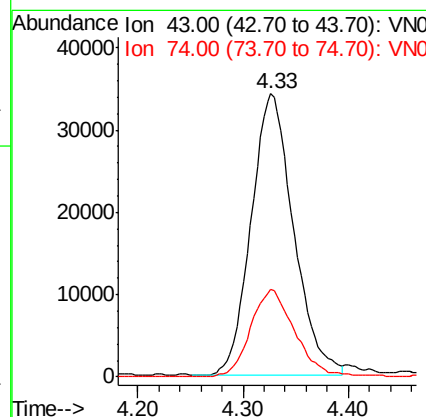
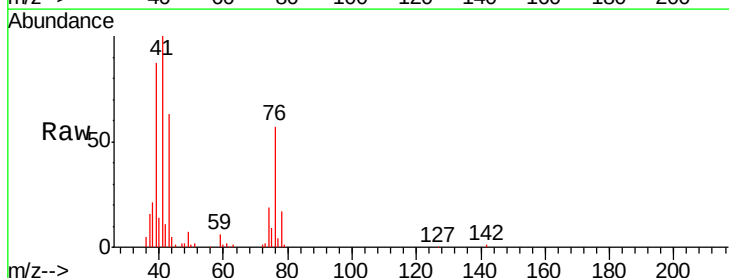
Manual Integrations
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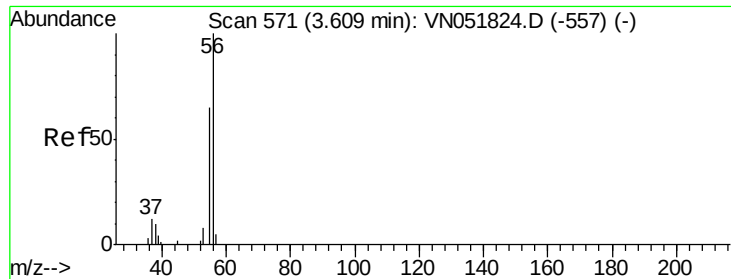
MMDadoda
10/16/2018 3:56:17 PM



#12
Methyl Acetate
Concen: 21.28 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	21.8	32.6





#13

Acrolein

Concen: 79.91 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051862.D

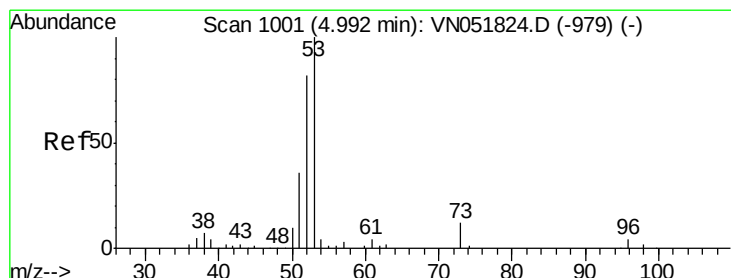
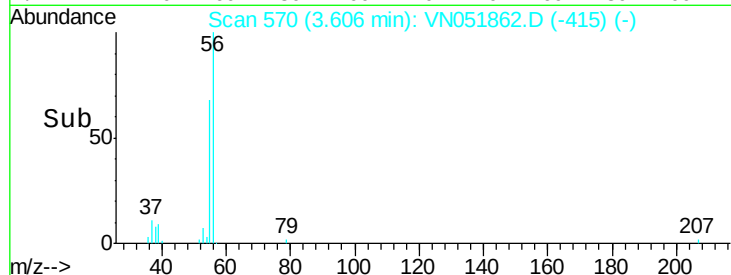
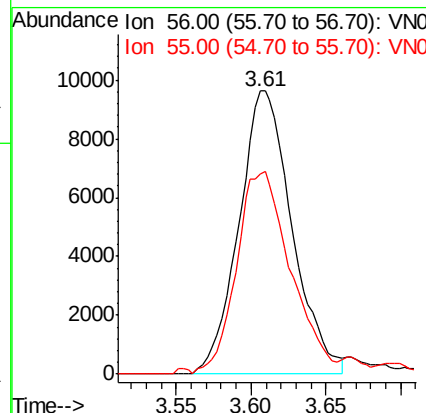
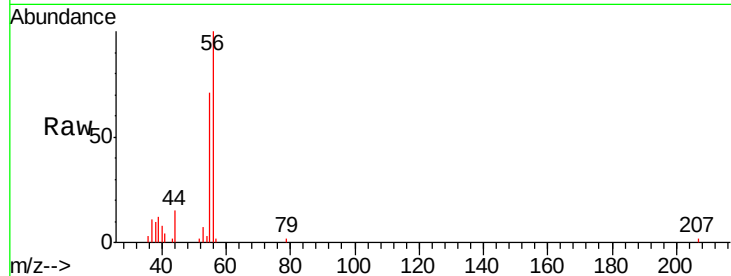
Acq: 15 Oct 2018 9:41

Tgt Ion:	56	Resp:	23807
Ion Ratio	Lower	Upper	
56	100		
55	72.8	64.0	96.0

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

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#14

Acrylonitrile

Concen: 98.29 ug/l

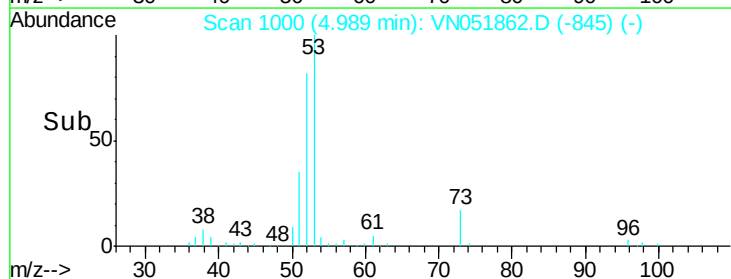
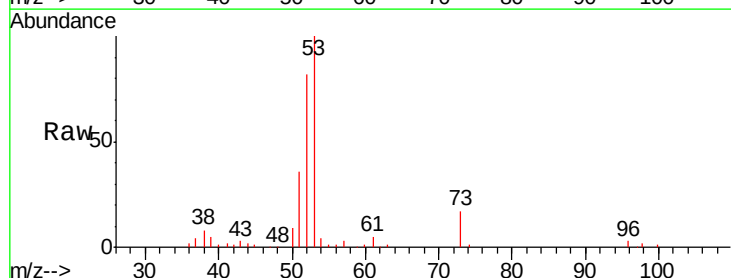
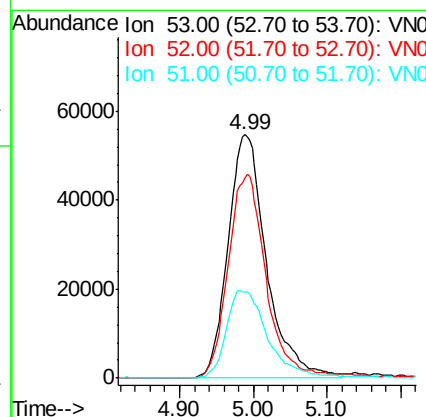
RT: 4.99 min Scan# 1000

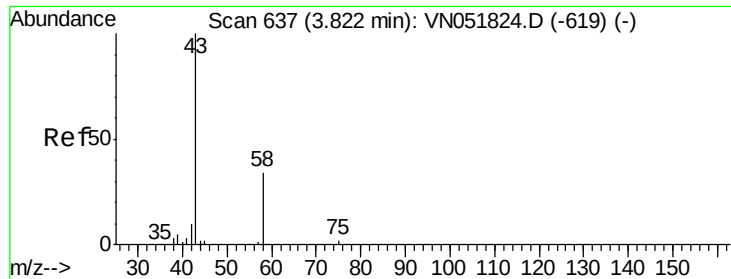
Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion:	53	Resp:	198639
Ion Ratio	Lower	Upper	
53	100		
52	81.1	18.3	54.8#
51	15.8	19.7	59.1#





#15

Acetone

Concen: 102.30 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 51106

Ion Ratio Lower Upper

58 100

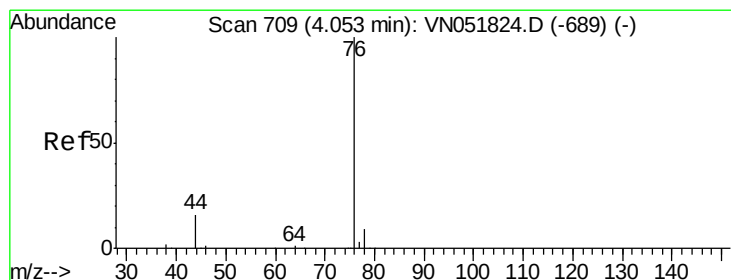
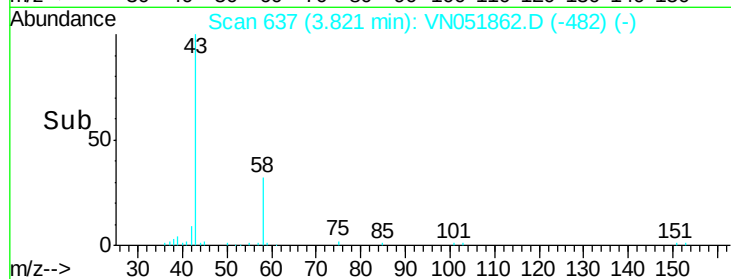
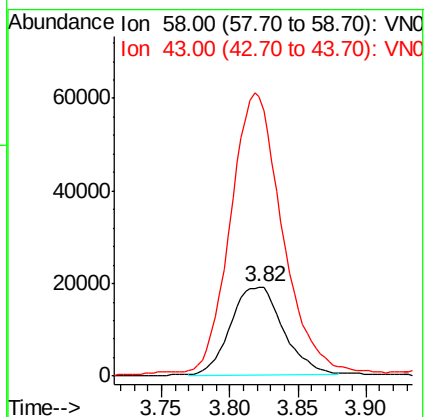
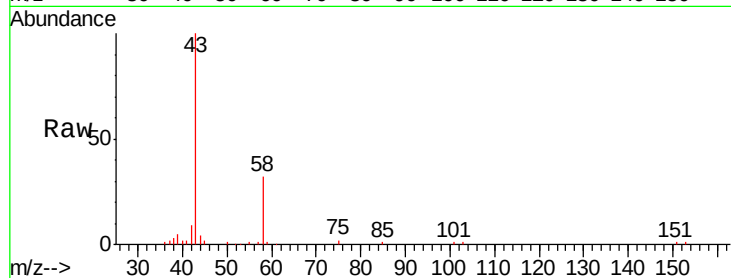
43 312.5 232.2 348.2

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#16

Carbon Disulfide

Concen: 20.22 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051862.D

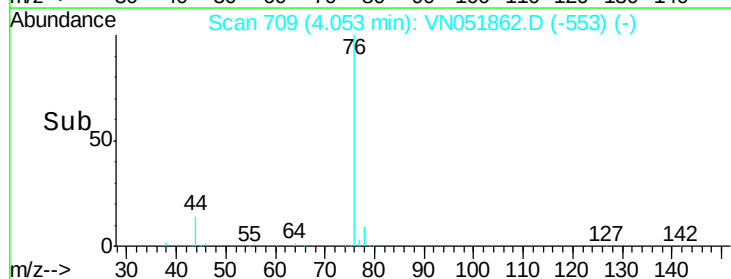
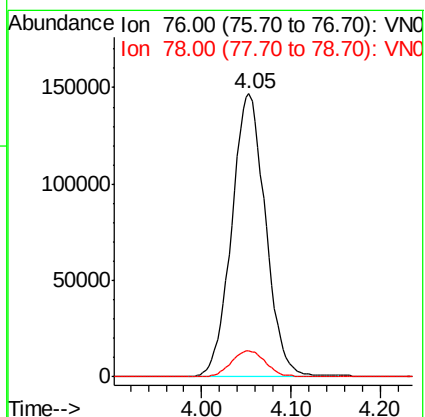
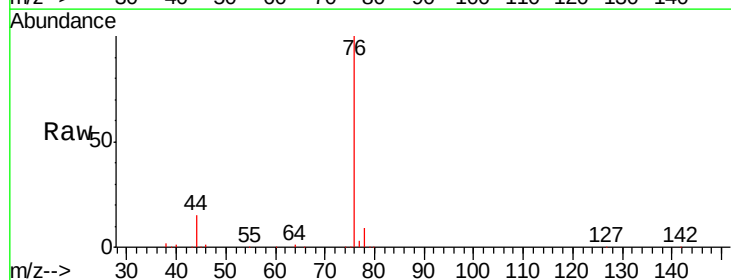
Acq: 15 Oct 2018 9:41

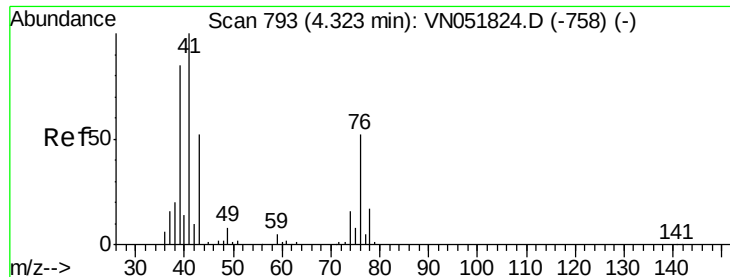
Tgt Ion: 76 Resp: 386625

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1





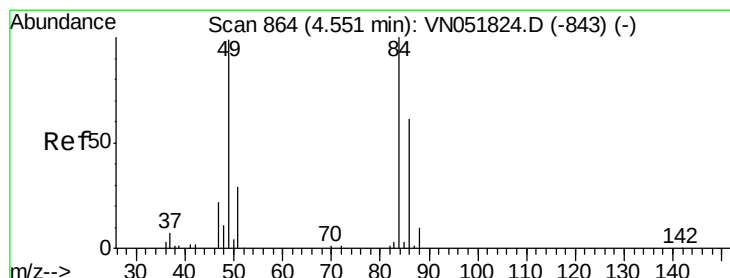
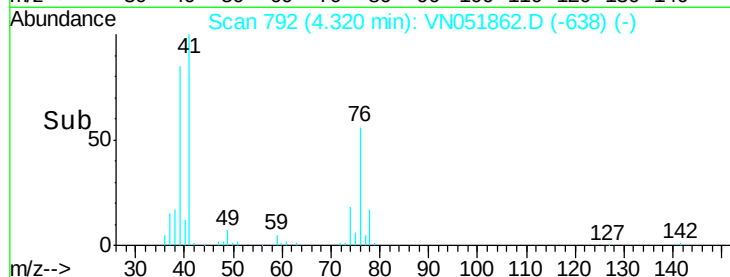
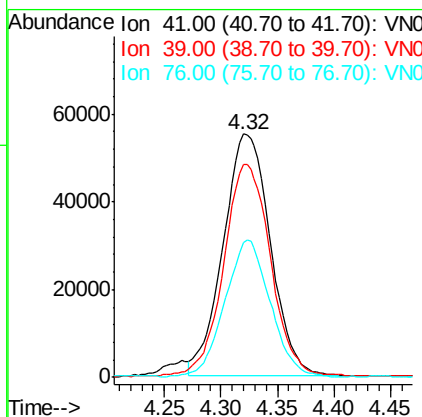
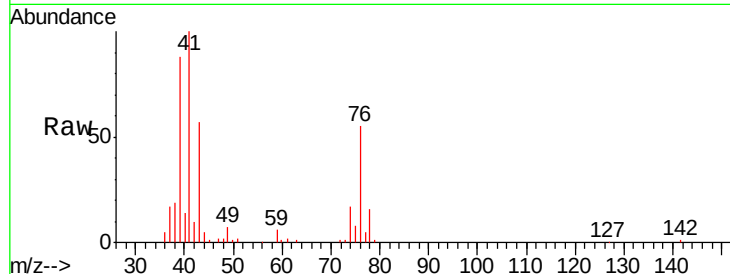
#17
 Allyl chloride
 Concen: 18.52 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion:	41	Resp:	160137
Ion	Ratio	Lower	Upper
41	100		
39	86.8	32.6	97.8
76	55.5	20.2	60.5

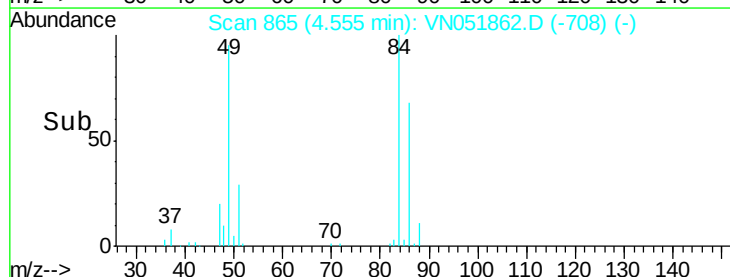
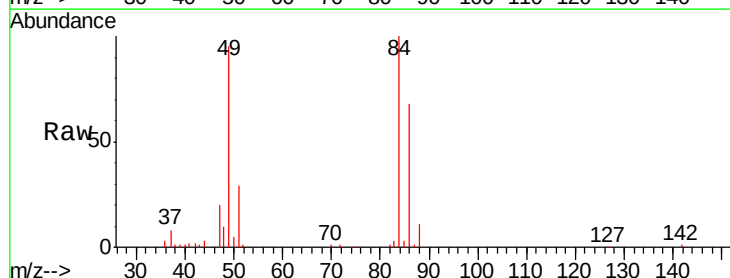
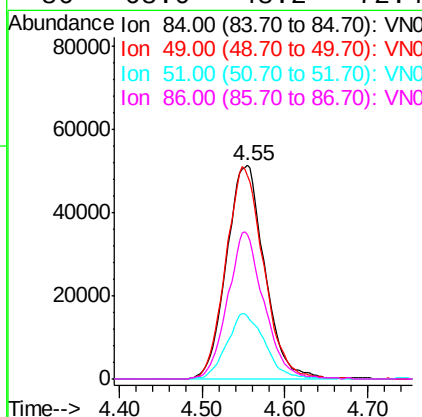
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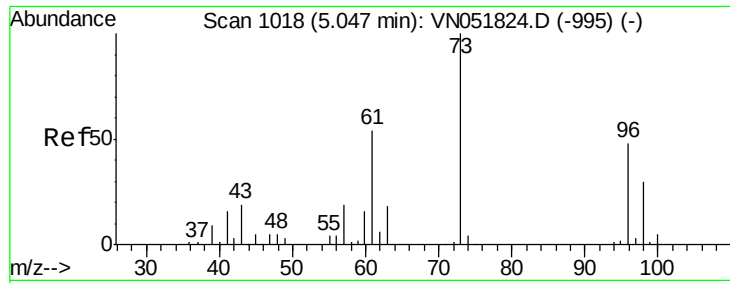
MMDadoda
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#18
 Methylene Chloride
 Concen: 20.20 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion:	84	Resp:	164436
Ion	Ratio	Lower	Upper
84	100		
49	95.5	91.6	137.4
51	29.4	29.8	44.6#
86	68.0	48.2	72.4





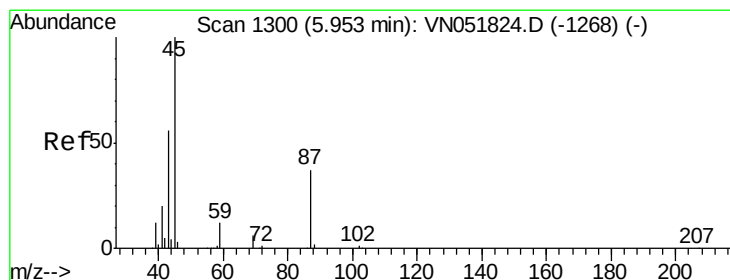
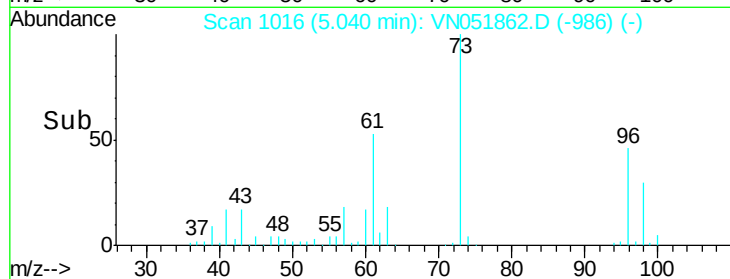
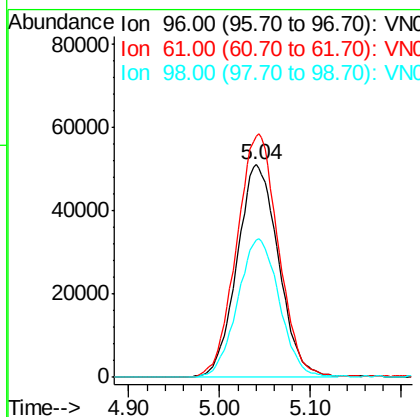
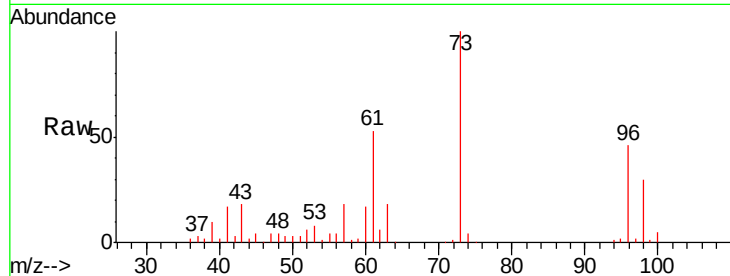
#19
trans-1,2-Dichloroethene
Concen: 19.51 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.5	112.3	168.5
98	64.6	47.1	70.7

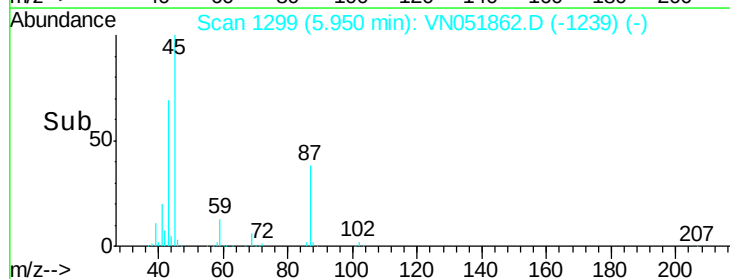
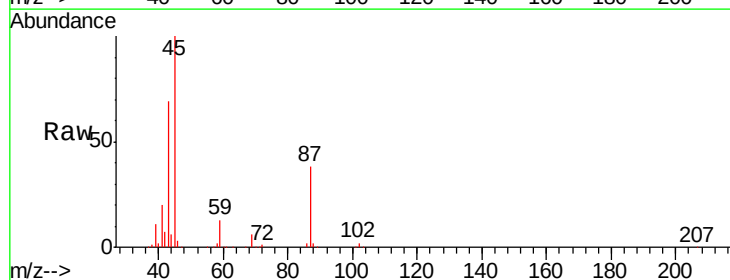
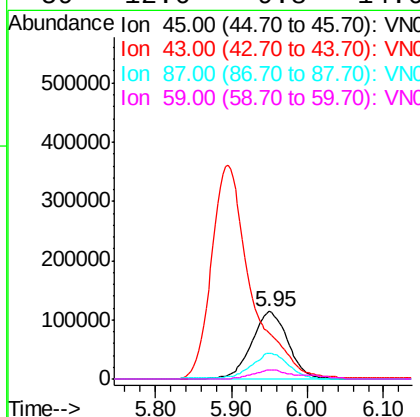
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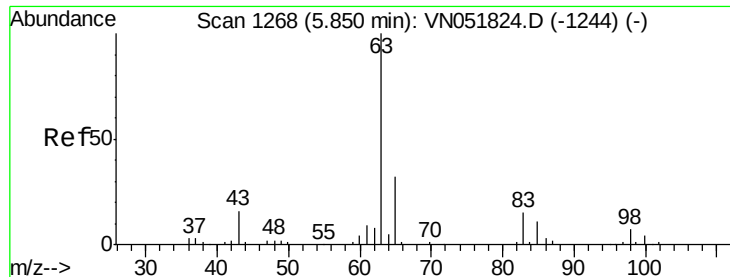
MMDadoda
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#20
Diisopropyl ether
Concen: 19.65 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	62.1	93.1
87	37.7	19.9	29.9
59	12.6	9.8	14.6





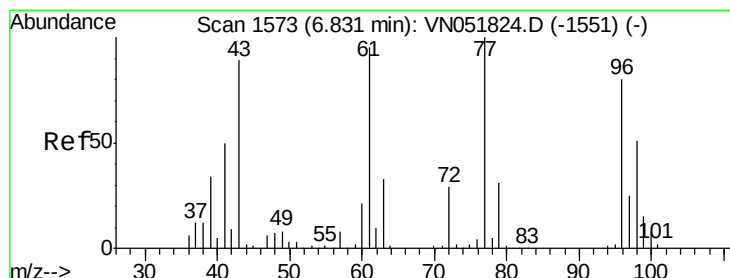
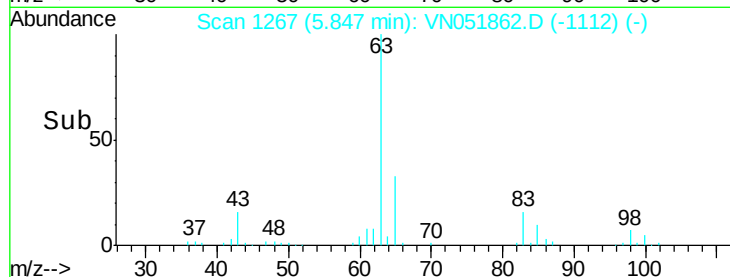
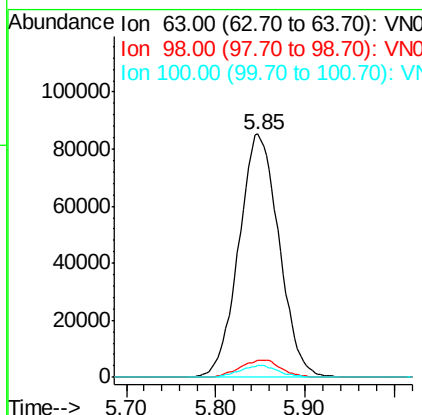
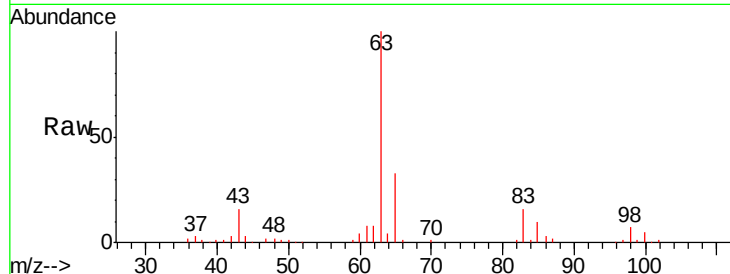
#21
 1,1-Dichloroethane
 Concen: 19.88 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	6.9	4.1	12.3
100	4.7	1.6	4.7#

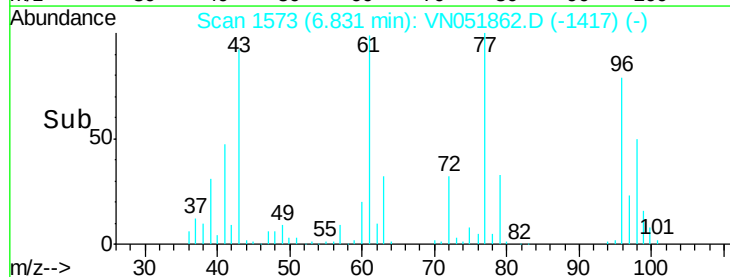
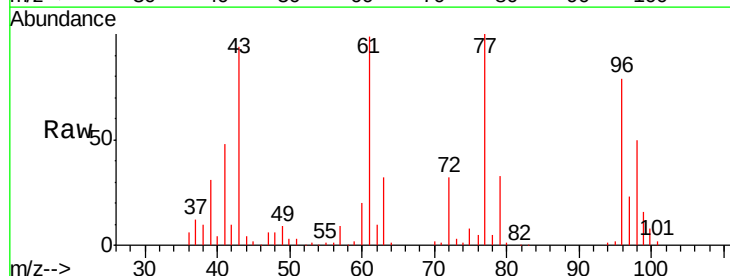
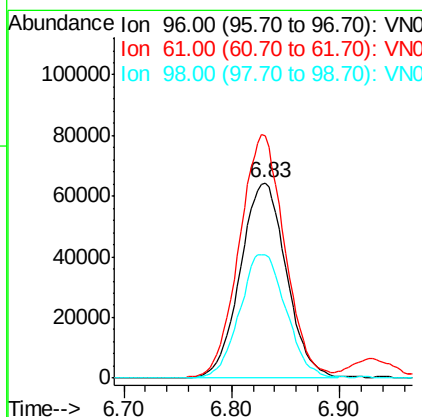
Manual Integrations
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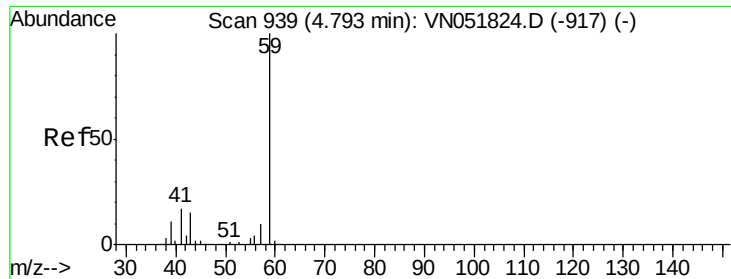
MMDadoda
 10/16/2018 3:56:17 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.55 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	123.3	124.5	186.7#
98	63.6	51.9	77.9



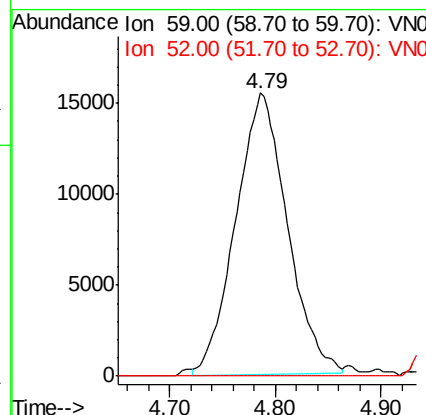
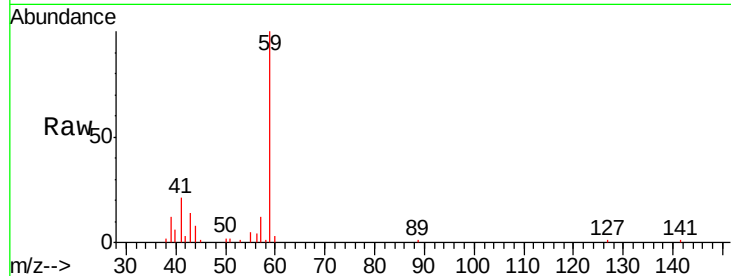


#23
 tert-Butyl Alcohol
 Concen: 99.13 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

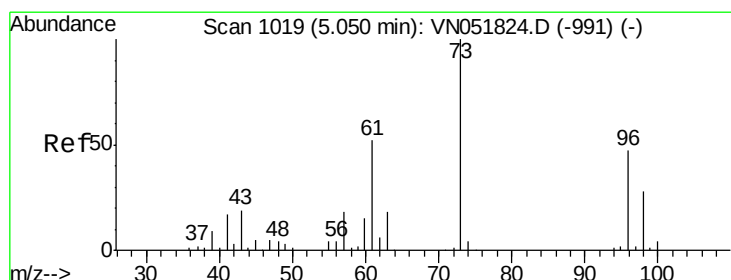
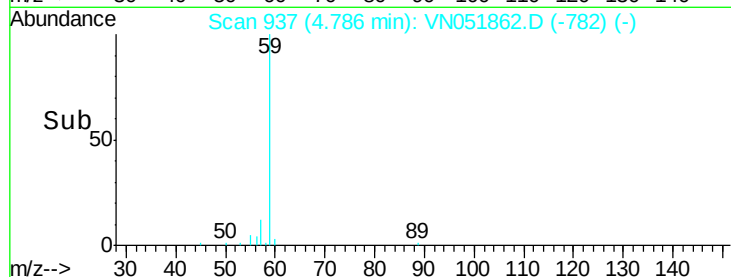
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion: 59 Resp: 52765
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

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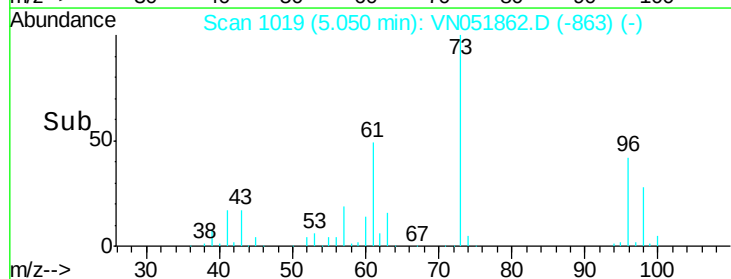
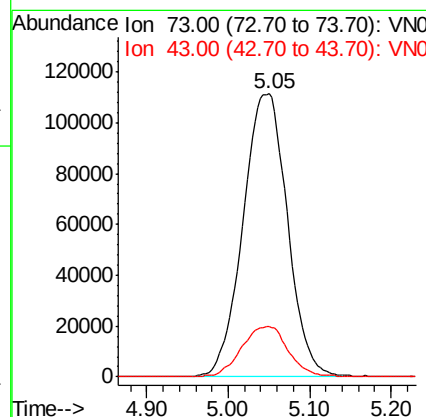
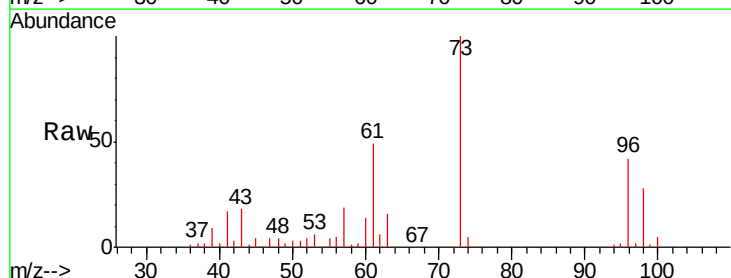


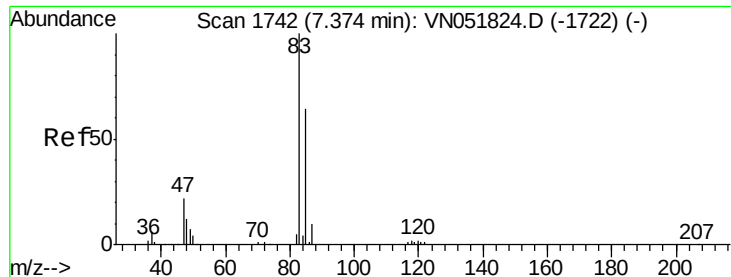
MMDadoda
 10/16/2018 3:56:17 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.99 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 73 Resp: 419480
 Ion Ratio Lower Upper
 73 100
 43 18.4 5.4 8.0#





#25

Chloroform

Concen: 19.88 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 83 Resp: 317299

Ion Ratio Lower Upper

83 100

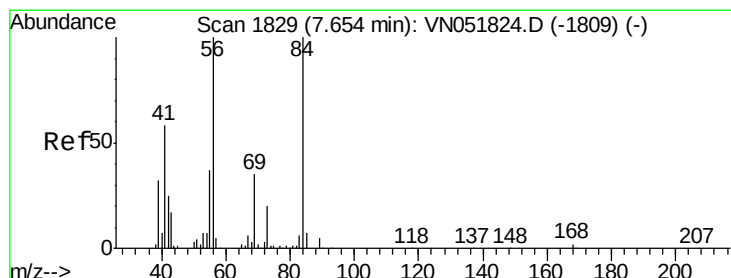
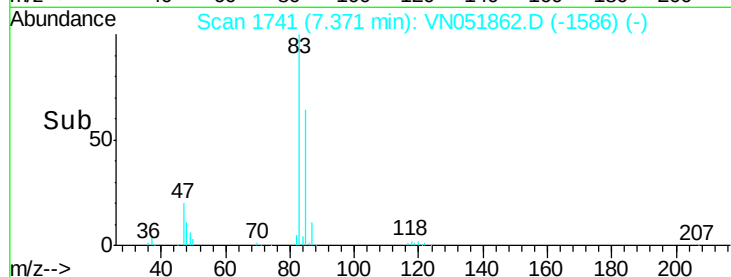
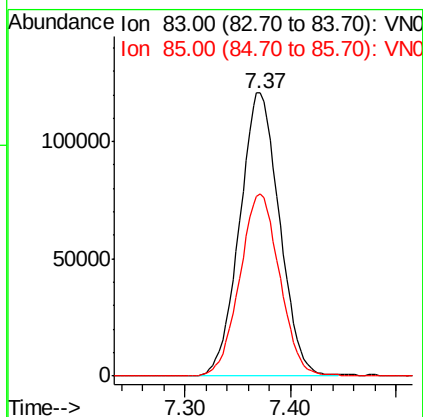
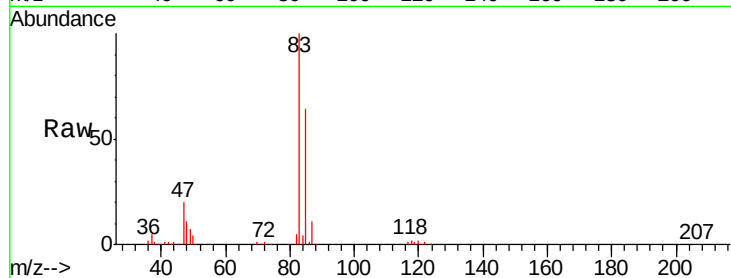
85 64.5 54.6 82.0

Manual Integrations

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MMDadoda

10/16/2018 3:56:17 PM



#26

Cyclohexane

Concen: 19.04 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

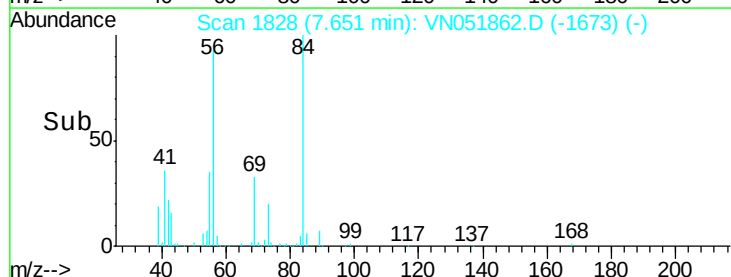
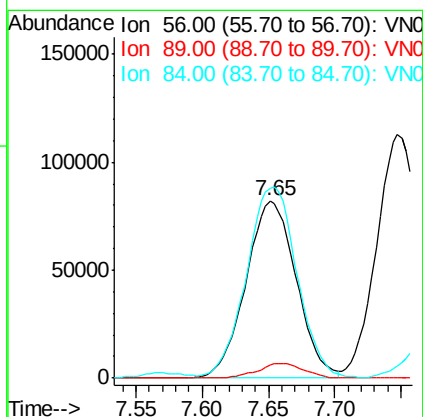
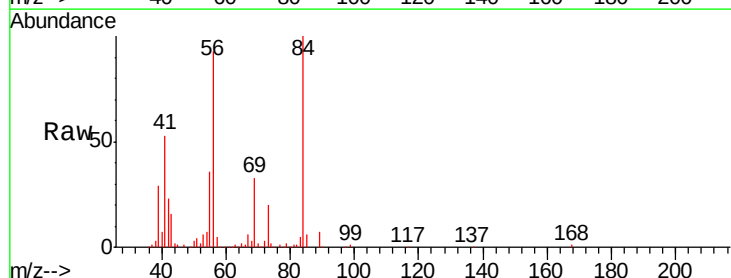
Tgt Ion: 56 Resp: 217216

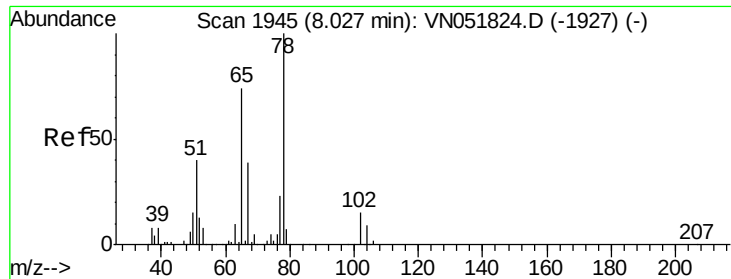
Ion Ratio Lower Upper

56 100

89 7.7 1.5 2.3#

84 108.4 64.2 96.4#





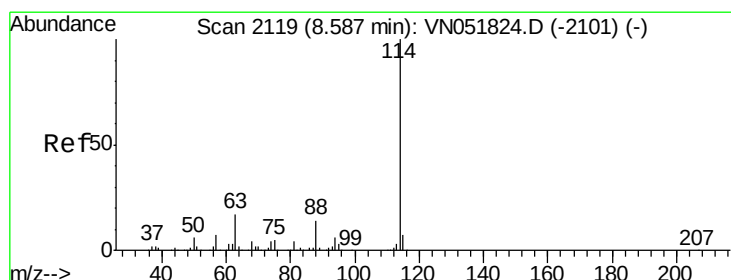
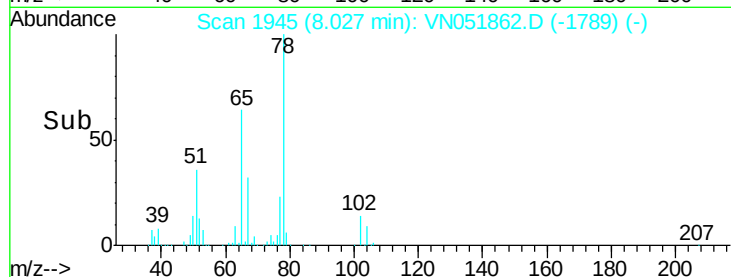
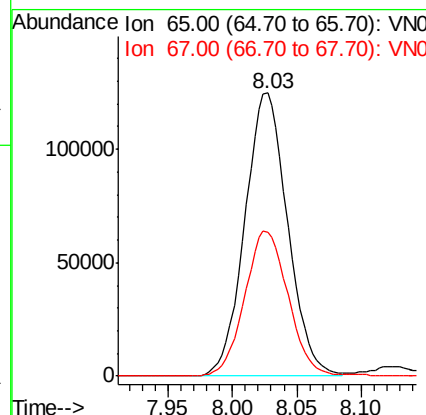
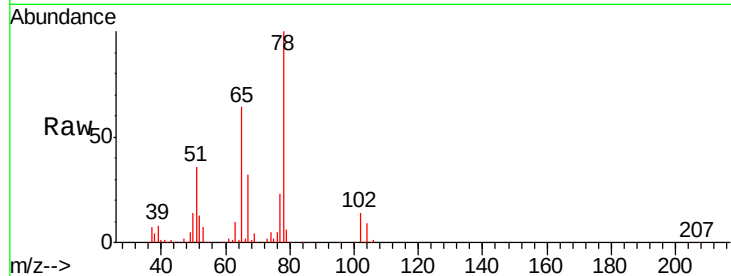
#27
 1,2-Dichloroethane-d4
 Concen: 19.04 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion: 65 Resp: 288528
 Ion Ratio Lower Upper
 65 100
 67 52.0 41.8 62.8

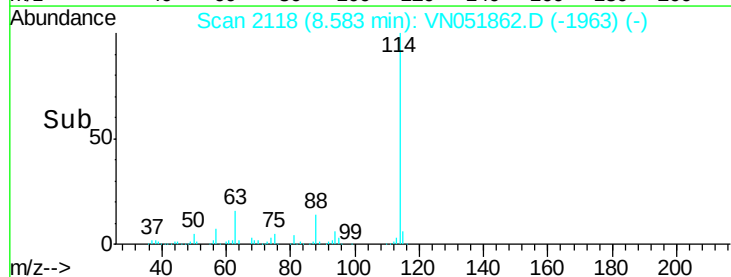
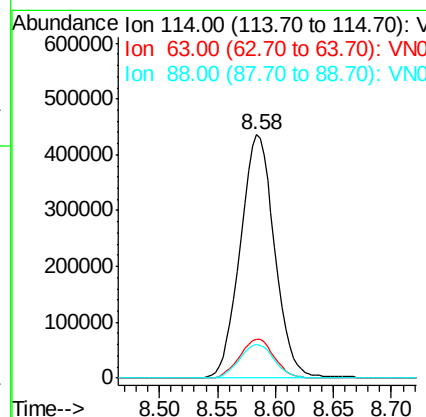
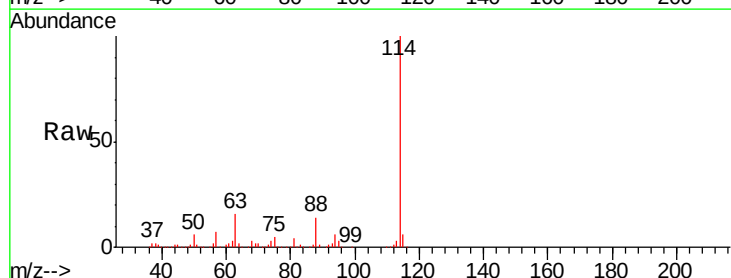
Manual Integrations
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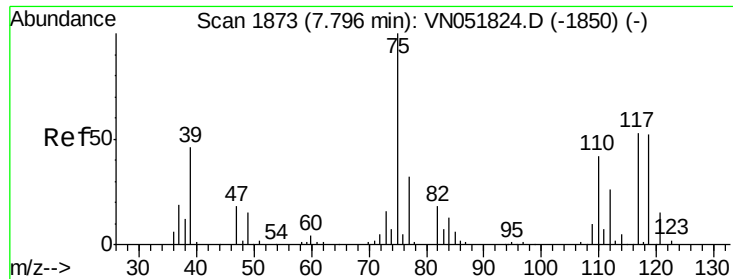
MMMadoda
 10/16/2018 3:56:17 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 114 Resp: 897012
 Ion Ratio Lower Upper
 114 100
 63 16.3 16.2 24.2
 88 14.1 12.2 18.4





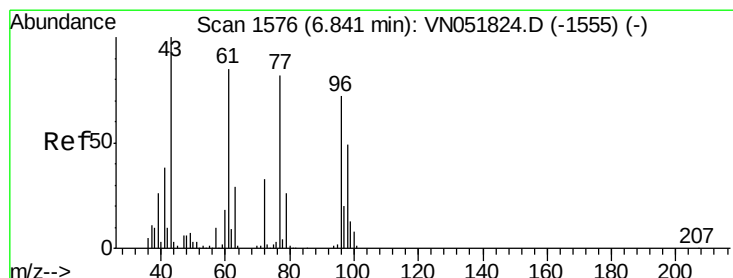
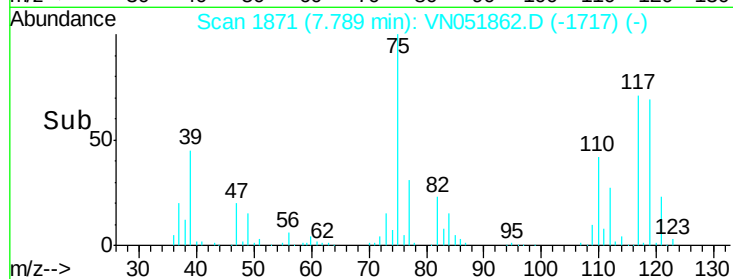
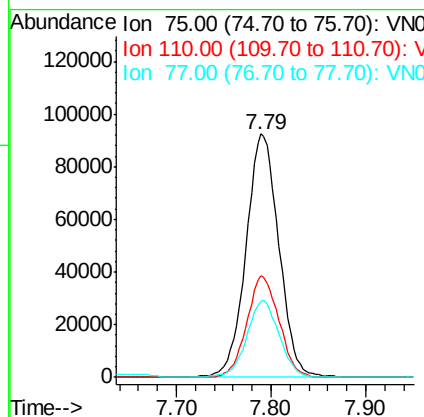
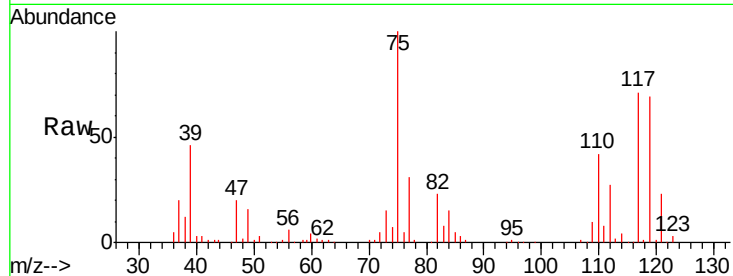
#29
 1,1-Dichloropropene
 Concen: 19.30 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	40.7	0.0	70.8
77	31.3	0.0	61.6

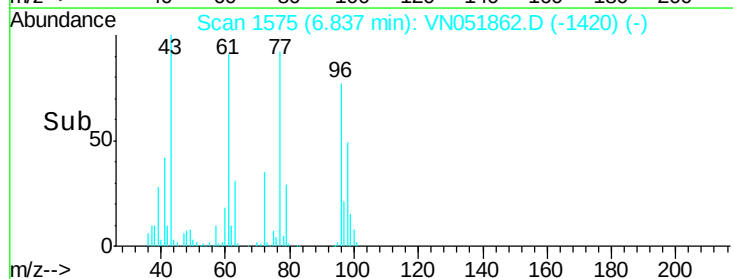
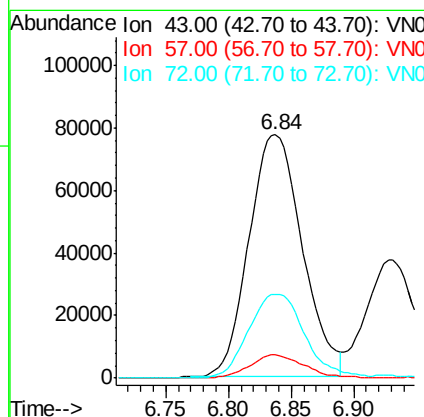
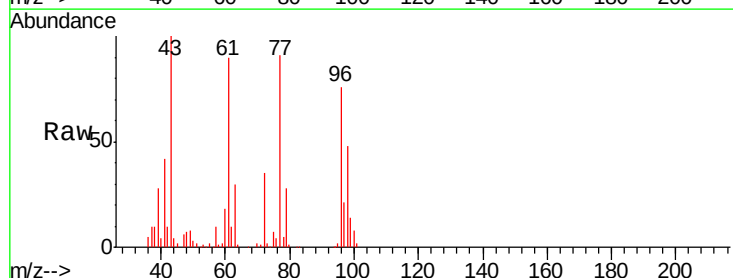
Manual Integrations
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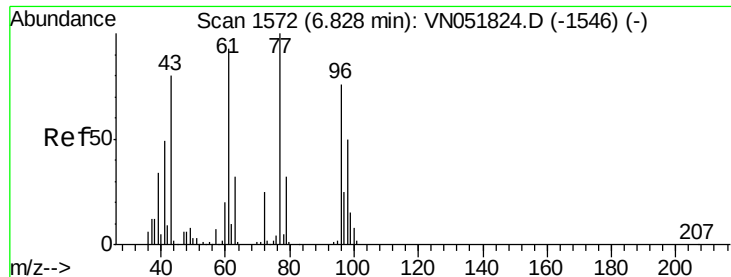
MMDadoda
 10/16/2018 3:56:17 PM



#30
 2-Butanone
 Concen: 94.95 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	9.7	4.5	6.7#
72	36.5	21.5	32.3#





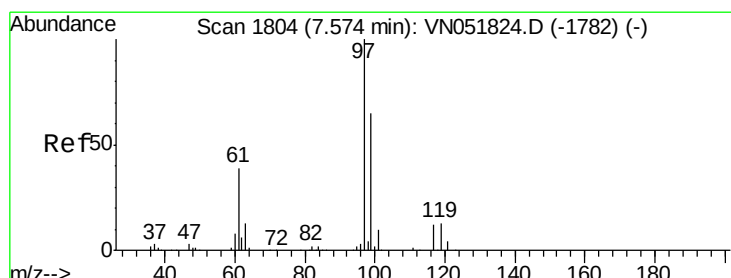
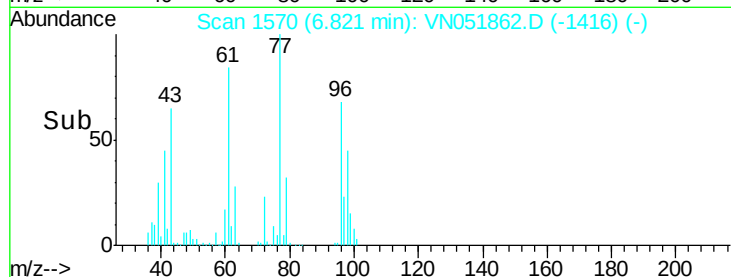
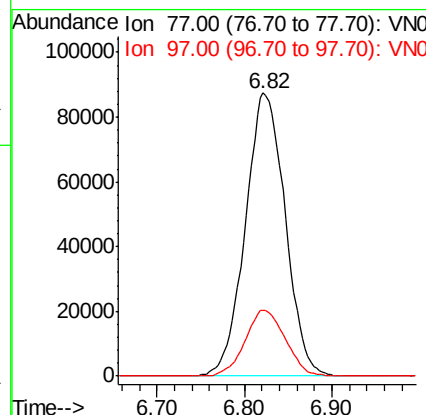
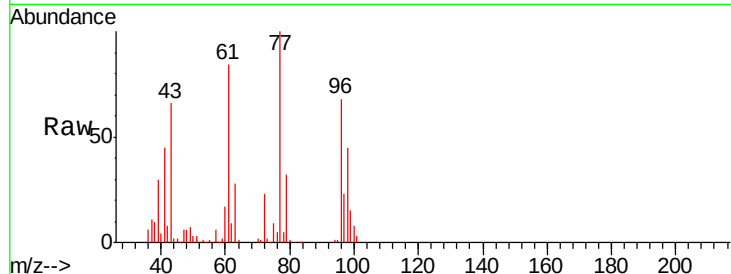
#31
 2,2-Dichloropropane
 Concen: 20.32 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion: 77 Resp: 276355
 Ion Ratio Lower Upper
 77 100
 97 23.5 12.0 18.0#

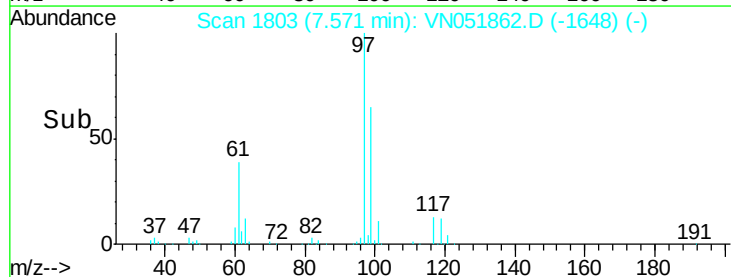
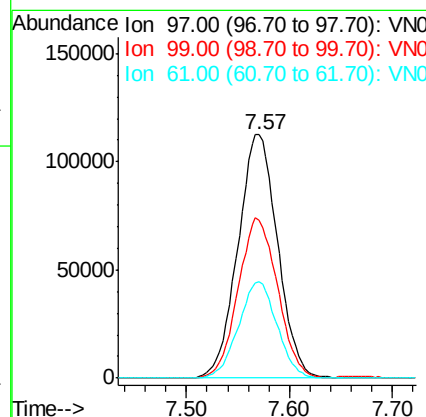
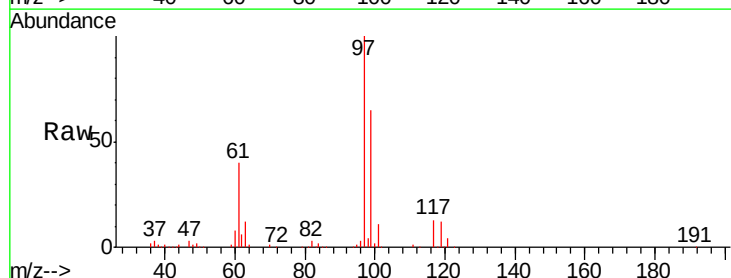
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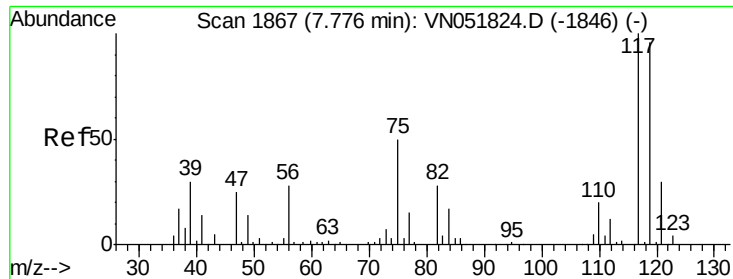
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.66 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion: 97 Resp: 301400
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.6 77.4
 61 38.5 37.4 56.0





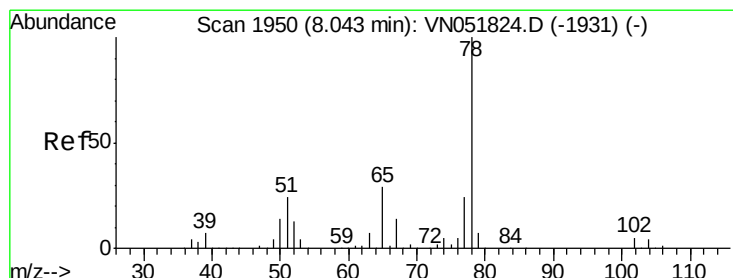
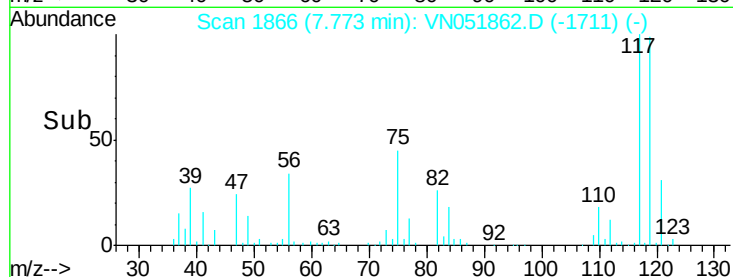
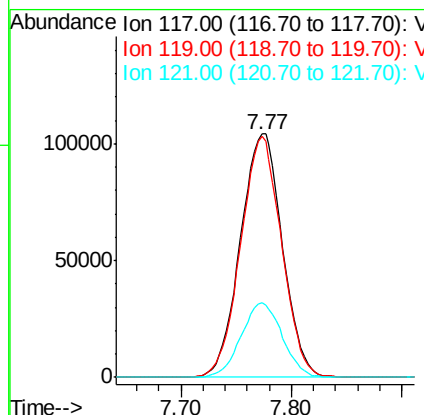
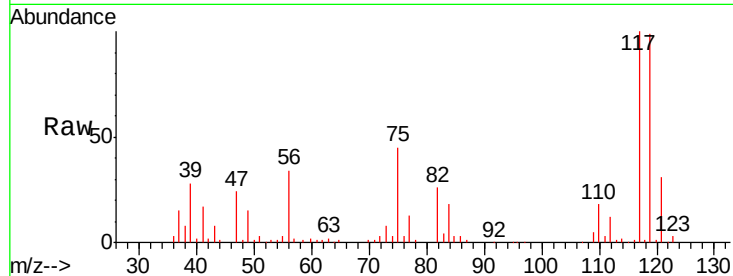
#33
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	85.1	127.7
121	30.6	24.2	36.2

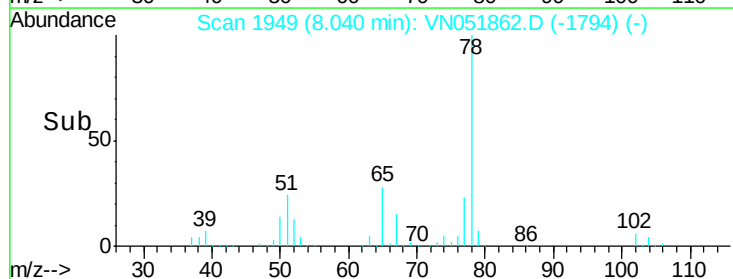
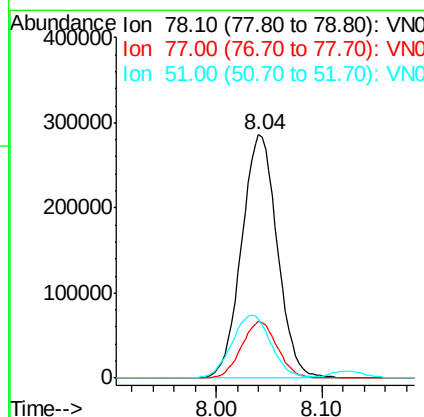
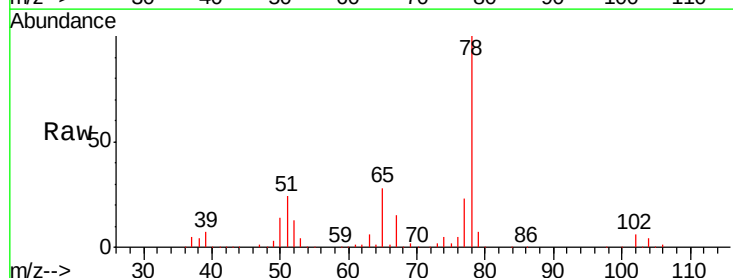
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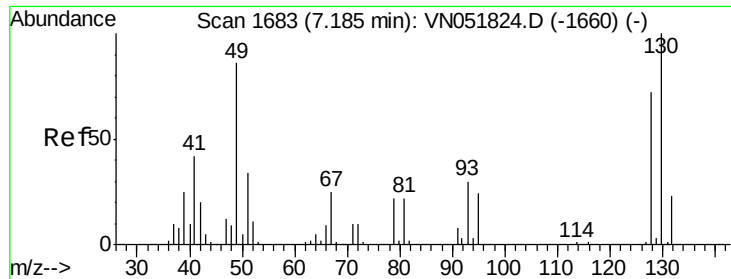
MMDadoda
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#34
Benzene
Concen: 19.70 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2
51	24.1	46.2	69.4#





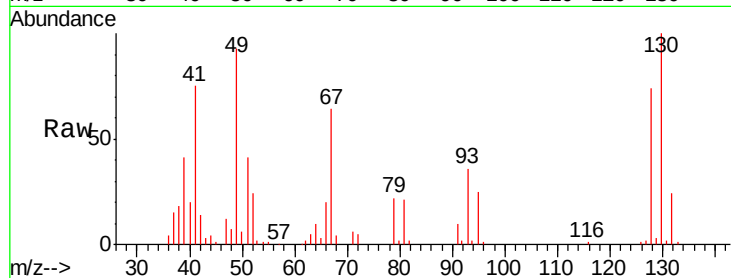
#35
Methacrylonitrile
Concen: 15.24 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.6	22.6	67.7
67	85.4	28.9	86.8
52	30.9	11.3	33.9

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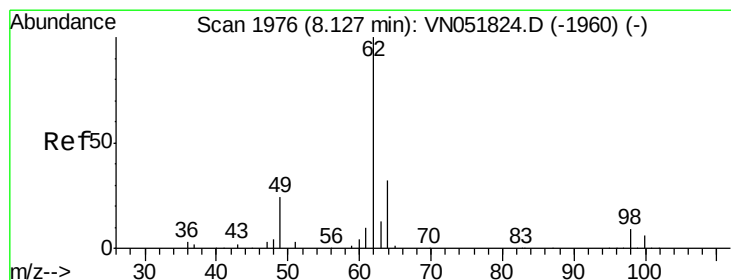
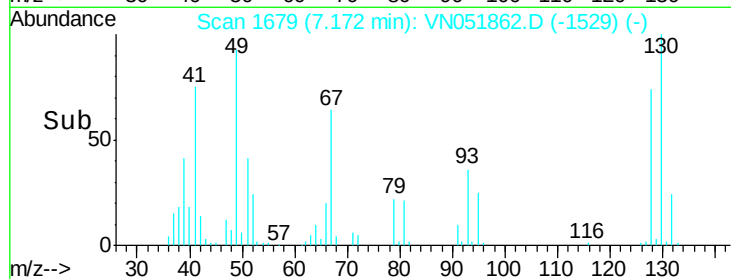
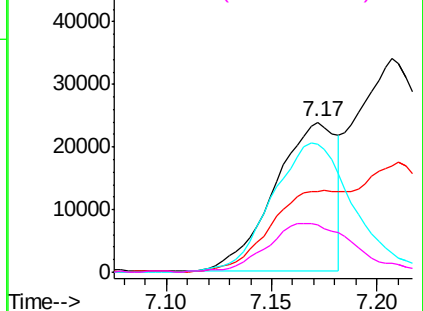
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

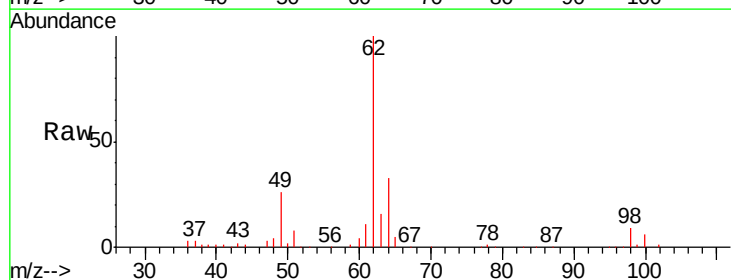
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

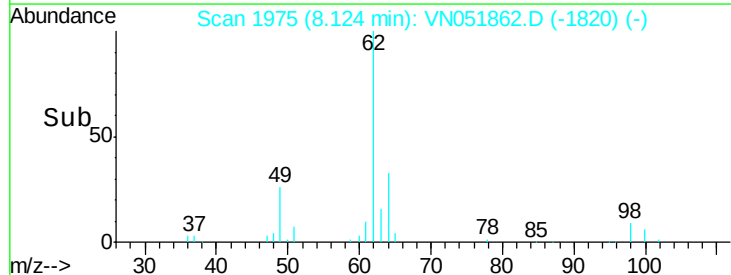
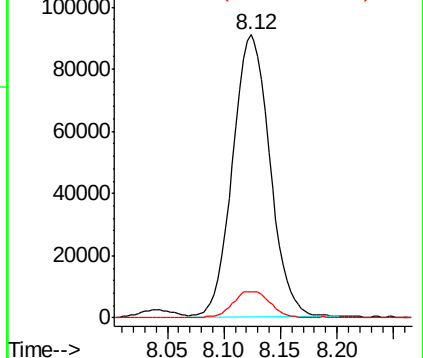
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	6.9	10.3

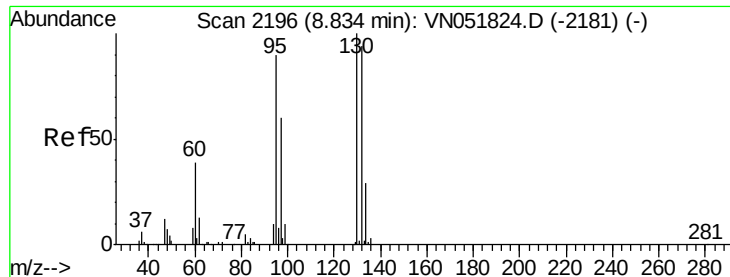


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.42 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 130 Resp: 206147

Ion Ratio Lower Upper

130 100

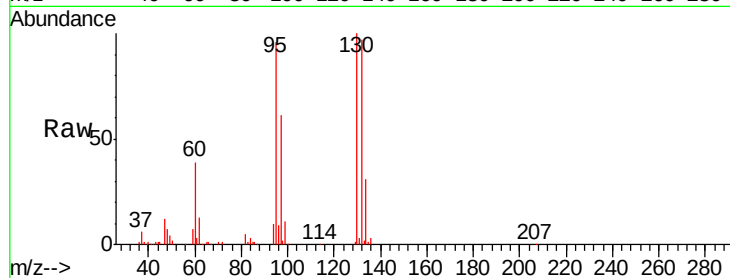
95 95.6 76.4 114.6

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Abundance Ion 129.90 (129.60 to 130.60): VN051862.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN051862.D (-2041) (-)

8.83

100000

80000

60000

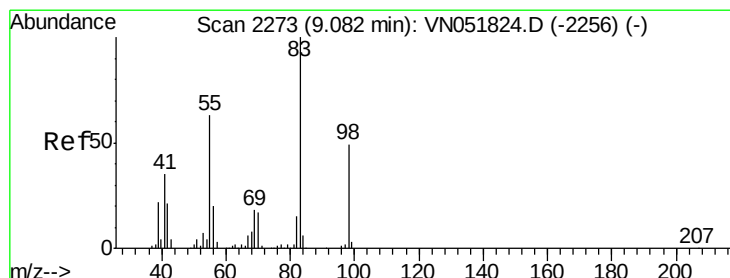
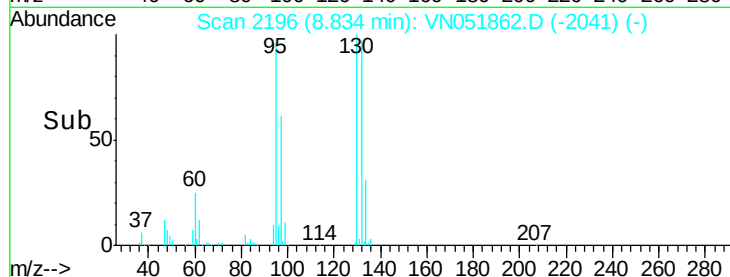
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.66 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

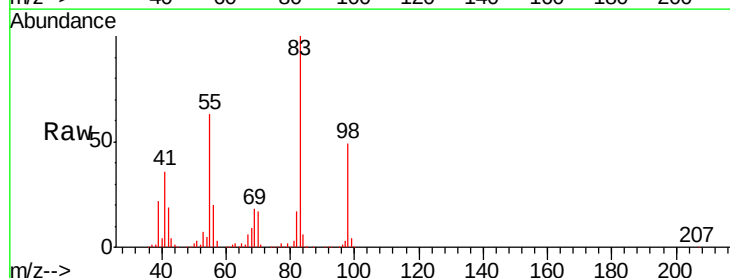
Tgt Ion: 83 Resp: 291545

Ion Ratio Lower Upper

83 100

55 61.6 43.0 129.2

98 48.9 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051862.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN051862.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN051862.D (-2116) (-)

9.08

150000

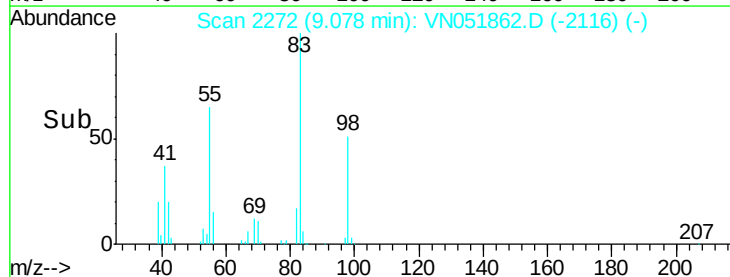
100000

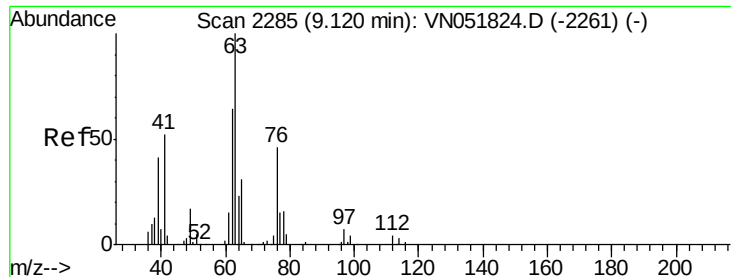
50000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 19.41 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 63 Resp: 156380

Ion Ratio Lower Upper

63 100

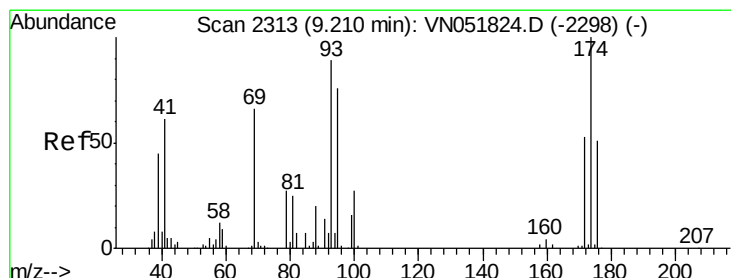
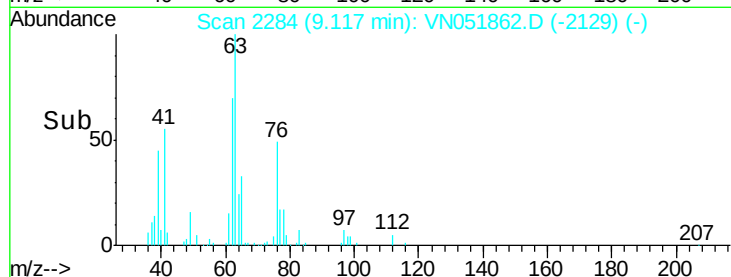
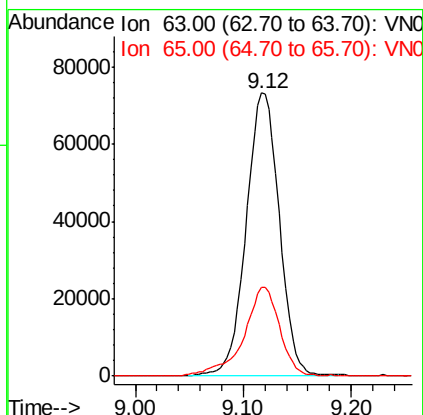
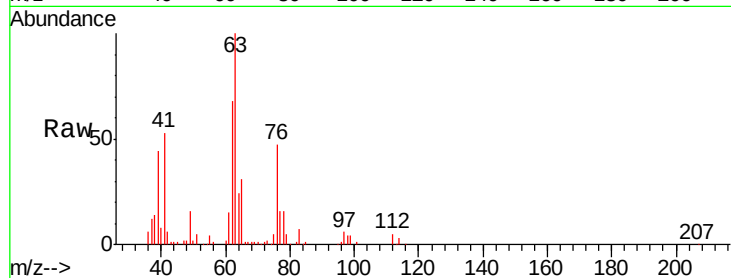
65 31.2 23.2 34.8

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#40

Dibromomethane

Concen: 19.29 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

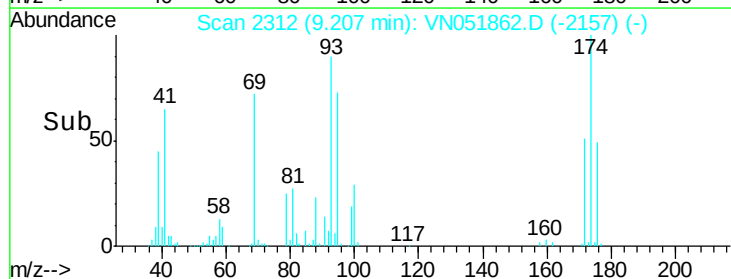
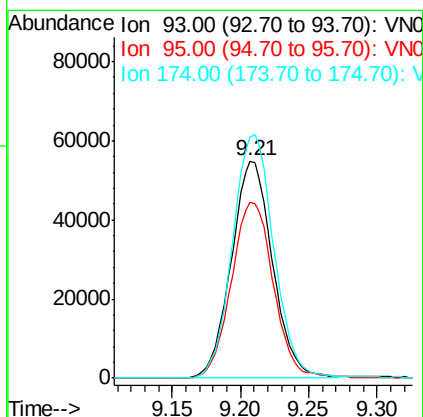
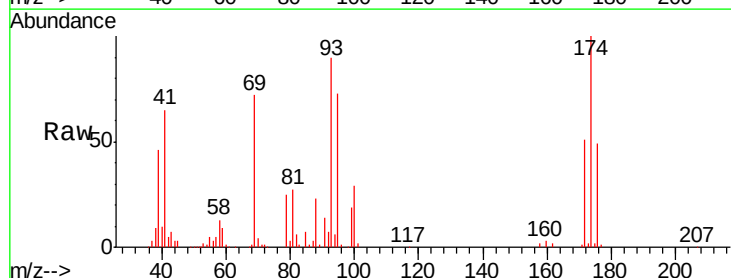
Tgt Ion: 93 Resp: 115292

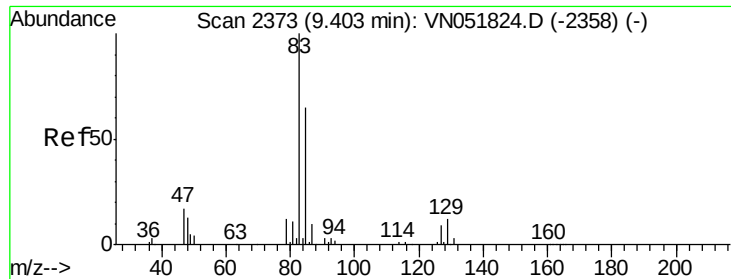
Ion Ratio Lower Upper

93 100

95 82.6 0.0 162.0

174 112.2 0.0 214.0





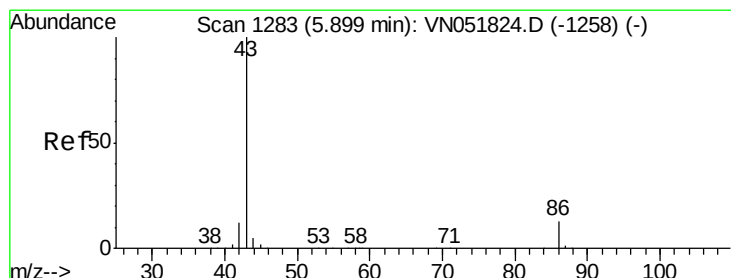
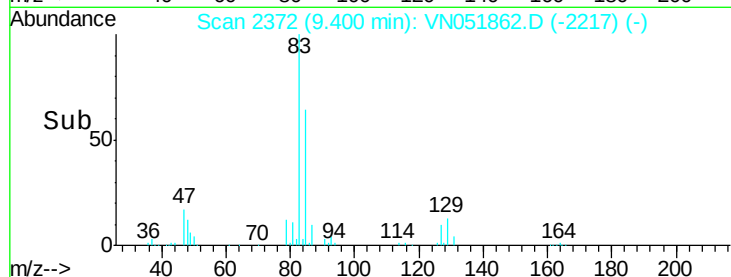
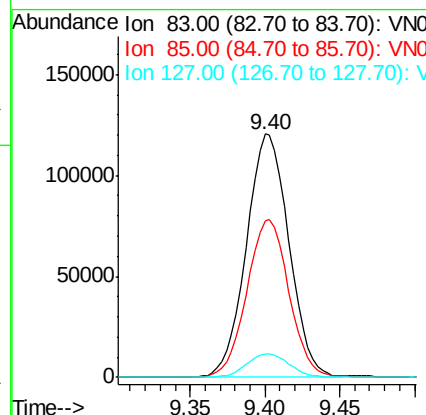
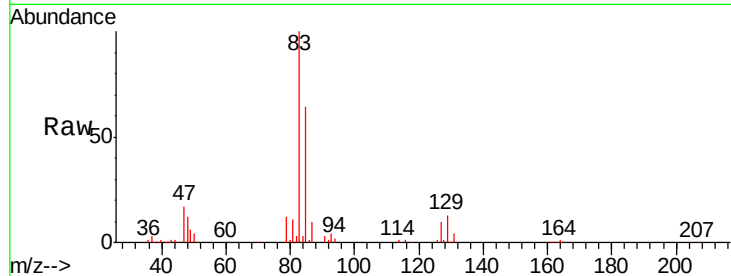
#41
Bromodichloromethane
Concen: 19.33 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	55.7	83.5
127	10.5	8.2	12.4

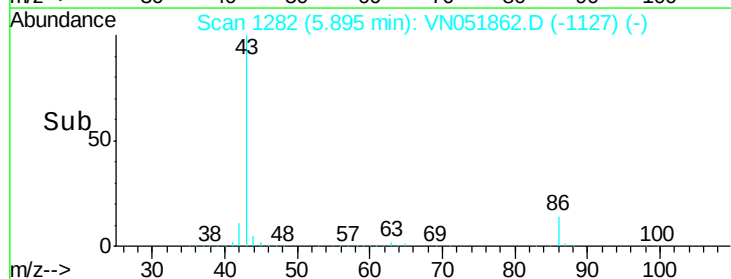
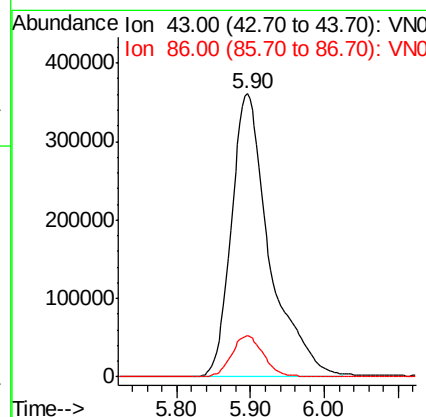
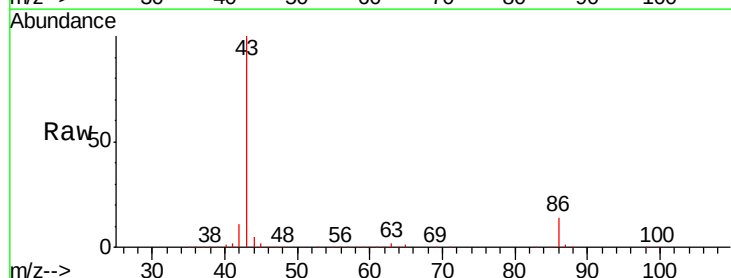
Manual Integrations
APPROVED

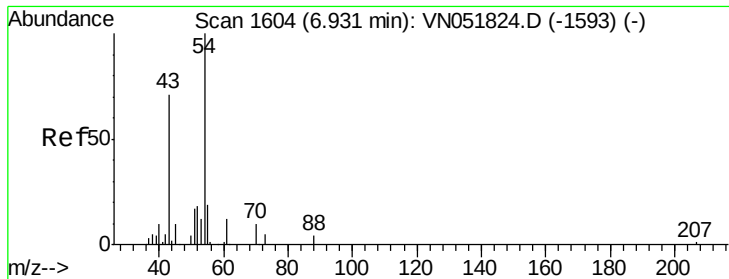
MMDadoda
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#42
Vinyl Acetate
Concen: 95.20 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.2	6.5	9.7#





#43

Ethyl Acetate

Concen: 19.43 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 43 Resp: 101948

Ion Ratio Lower Upper

43 100

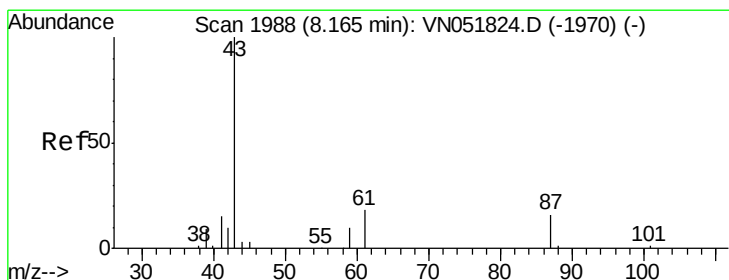
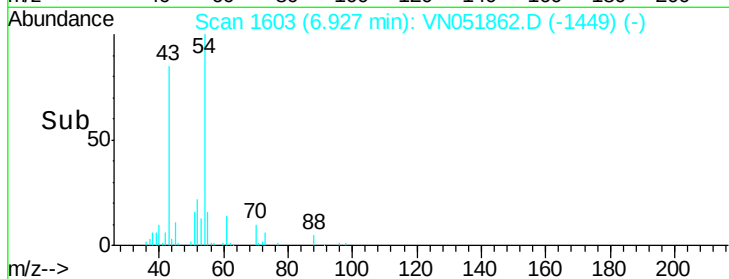
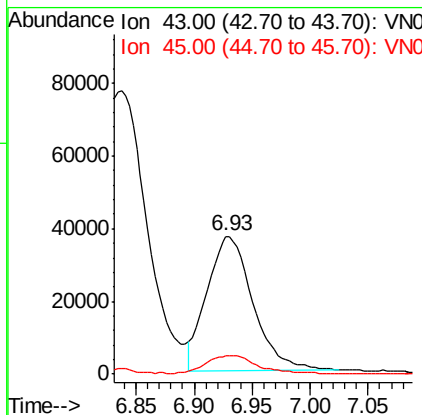
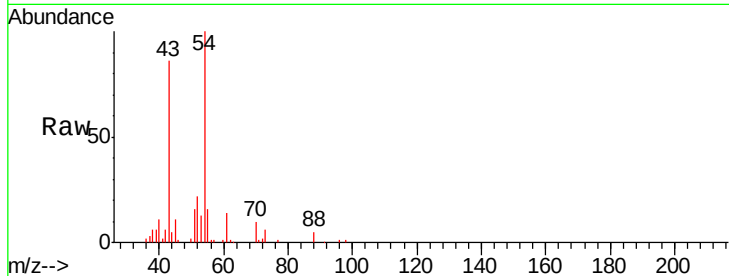
45 15.7 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

10/16/2018 3:56:17 PM



#44

Isopropyl Acetate

Concen: 19.66 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051862.D

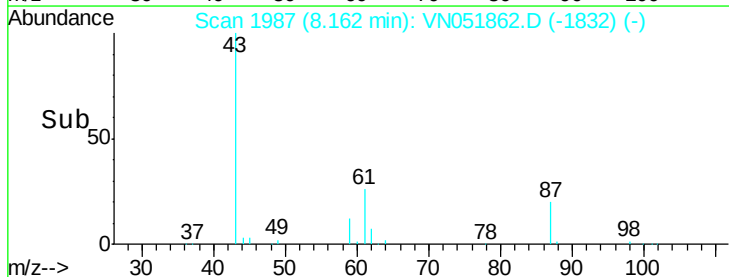
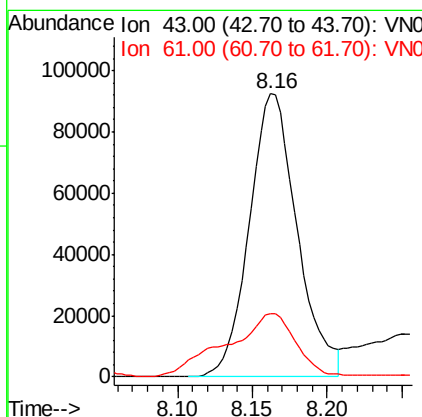
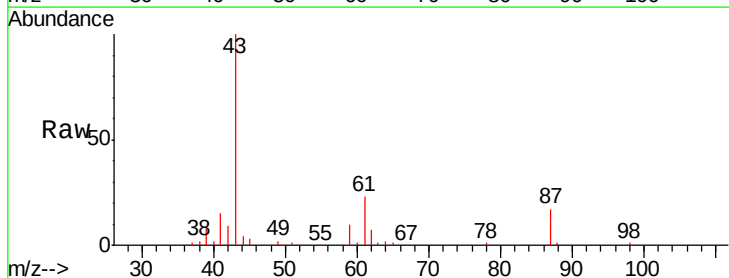
Acq: 15 Oct 2018 9:41

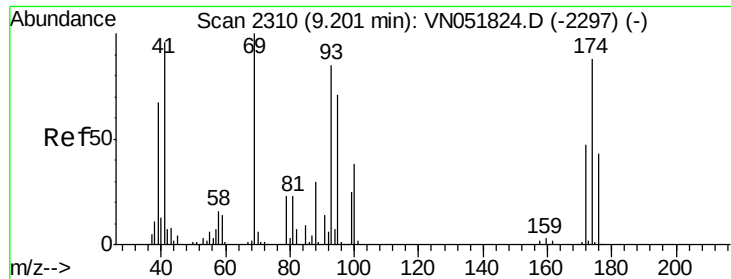
Tgt Ion: 43 Resp: 206087

Ion Ratio Lower Upper

43 100

61 31.2 15.9 23.9#



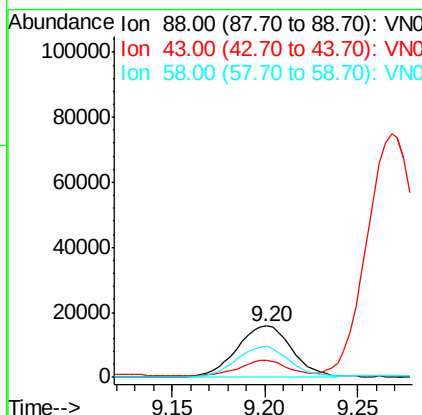
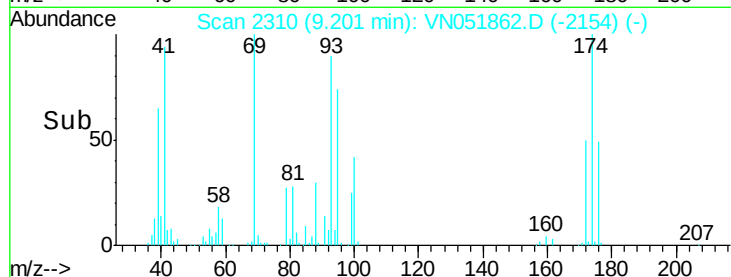
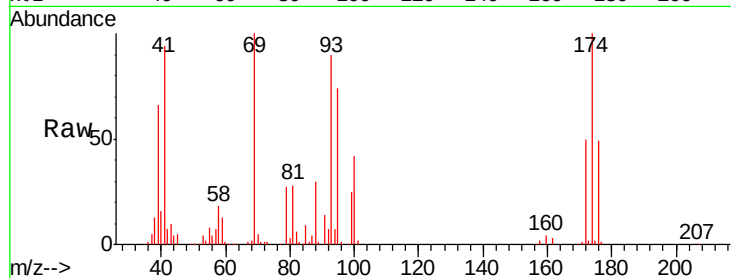


#45
1,4-Dioxane
Concen: 390.43 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

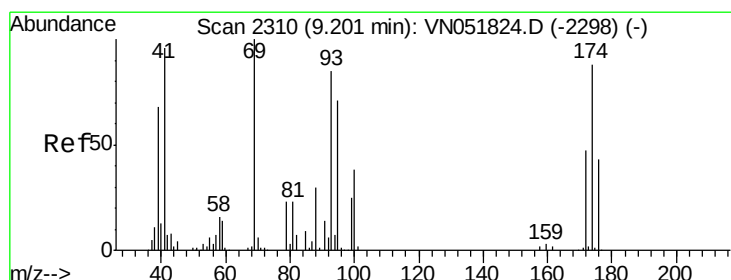
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.2	26.2	39.2
58	58.9	65.6	98.4

Manual Integrations
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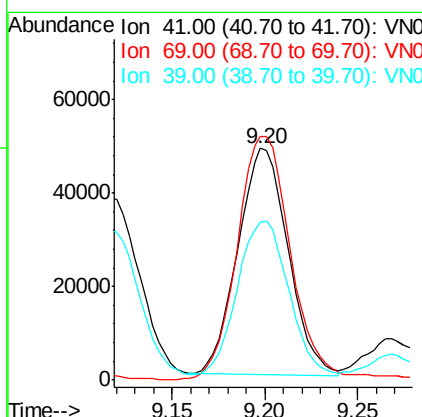
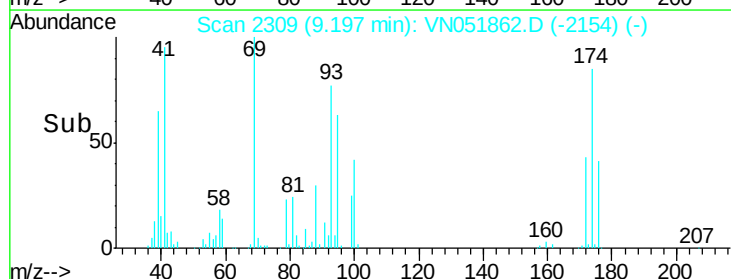
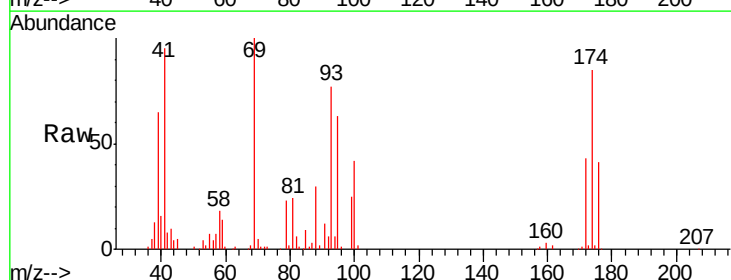


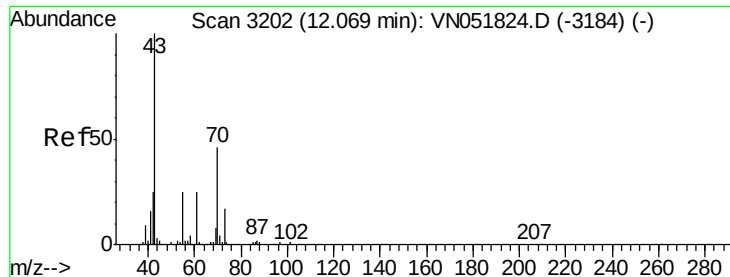
MMDadoda
10/16/2018 3:56:17 PM



#46
Methyl methacrylate
Concen: 18.88 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	107.0	40.7	122.1
39	67.5	27.3	81.9





#47

n-amyl Acetate

Concen: 17.39 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 43 Resp: 152621

Ion Ratio Lower Upper

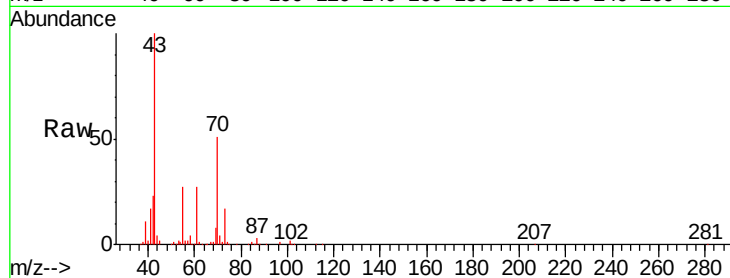
43 100

55 25.8 12.2 18.4#

Manual Integrations
APPROVED

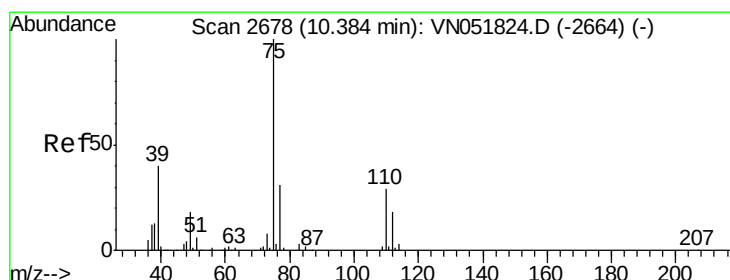
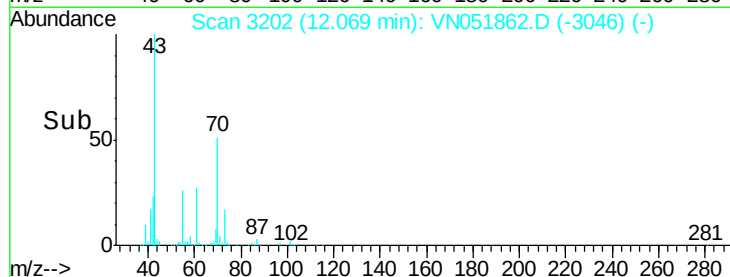
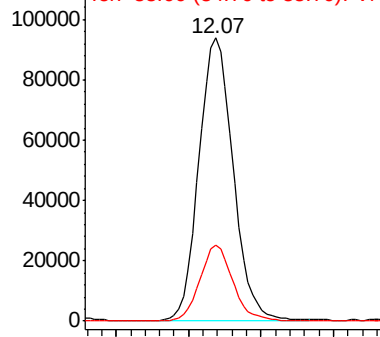
MMDadoda

10/16/2018 3:56:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.53 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051862.D

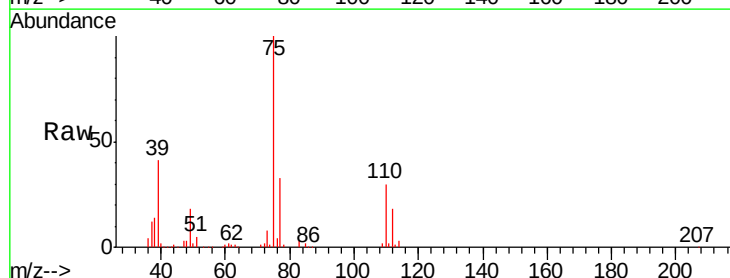
Acq: 15 Oct 2018 9:41

Tgt Ion: 75 Resp: 223171

Ion Ratio Lower Upper

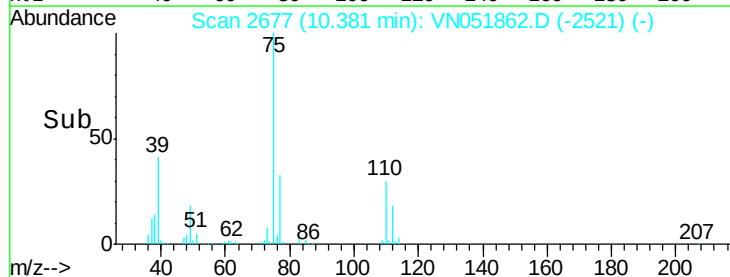
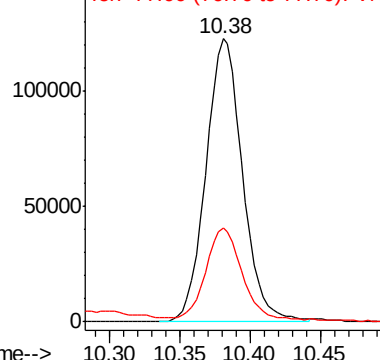
75 100

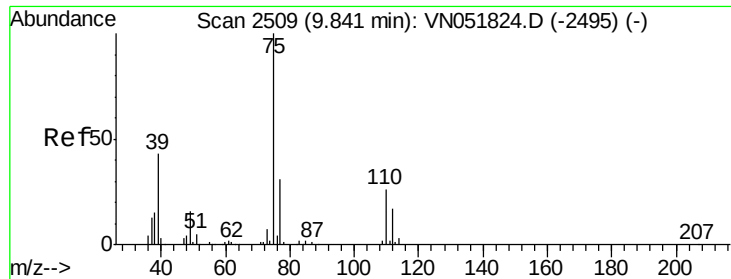
77 32.1 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





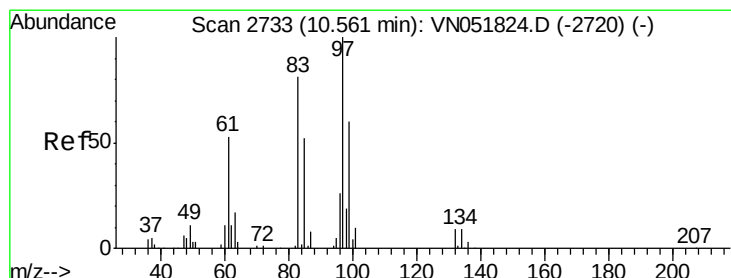
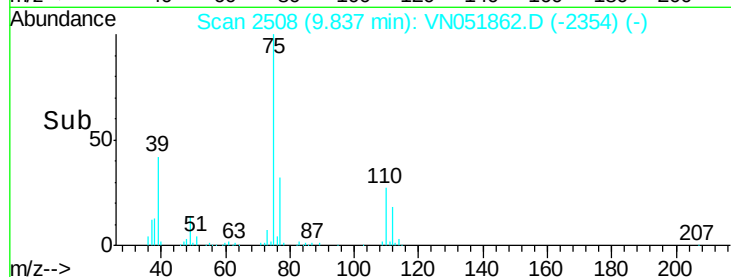
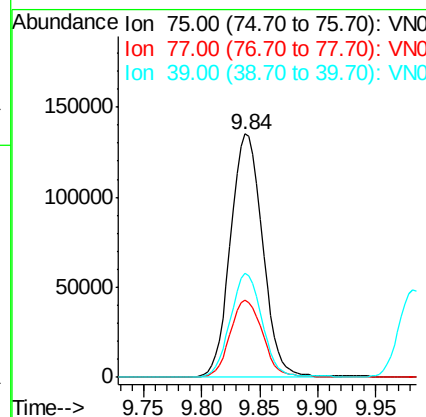
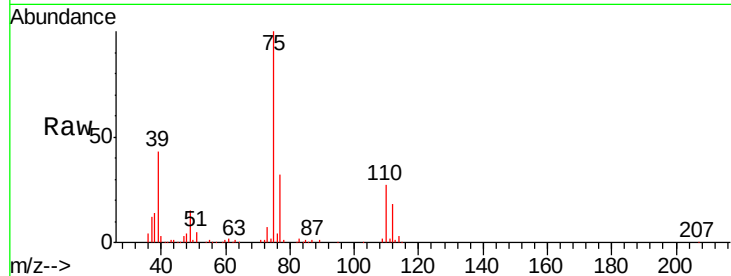
#49
 cis-1,3-Dichloropropene
 Concen: 19.61 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion:	75	Resp:	260239
Ion	Ratio	Lower	Upper
75	100		
77	31.9	23.2	34.8
39	42.5	34.6	52.0

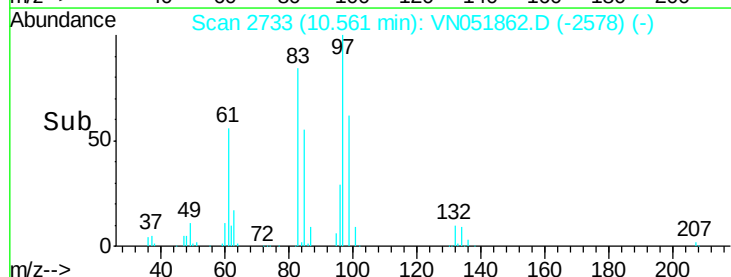
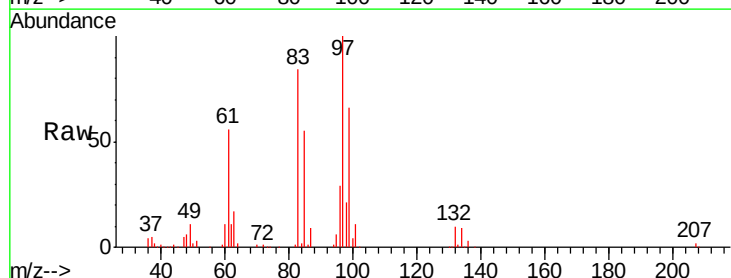
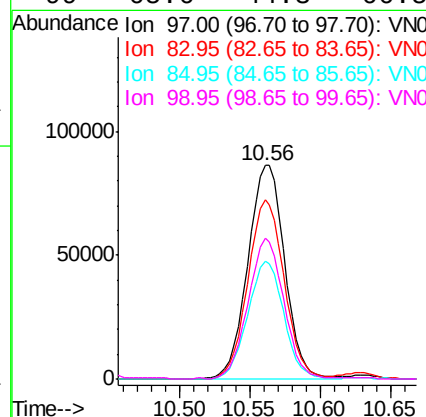
Manual Integrations
 APPROVED

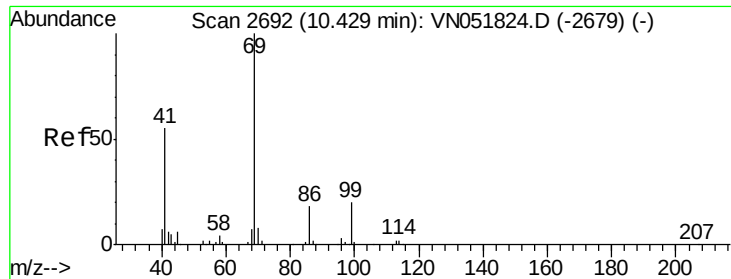
MMDadoda
 10/16/2018 3:56:17 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.18 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion:	97	Resp:	158406
Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.4
85	55.3	42.5	63.7
99	65.6	44.3	66.5





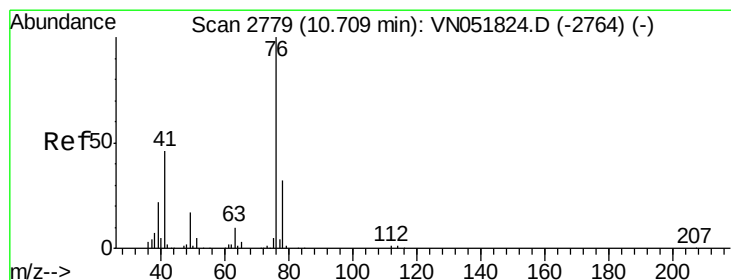
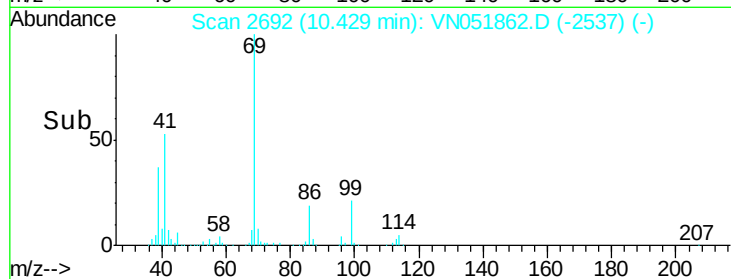
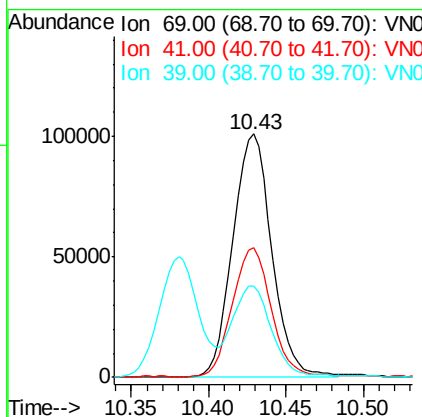
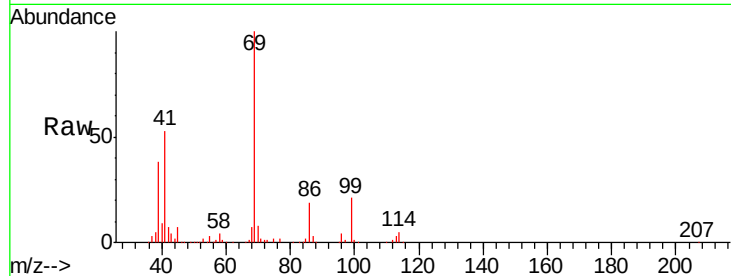
#51
Ethyl methacrylate
Concen: 18.76 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
69	100		
41	52.6	34.4	103.1
39	36.9	16.3	48.8

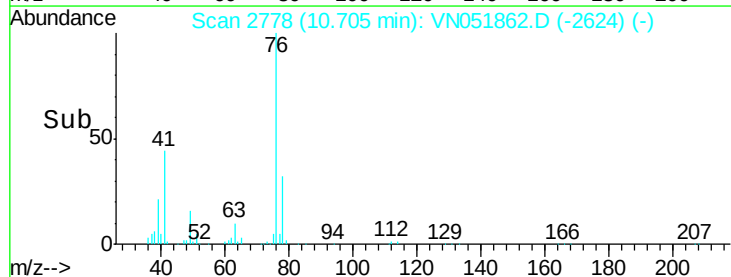
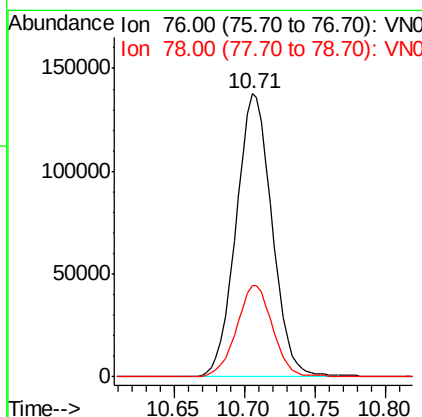
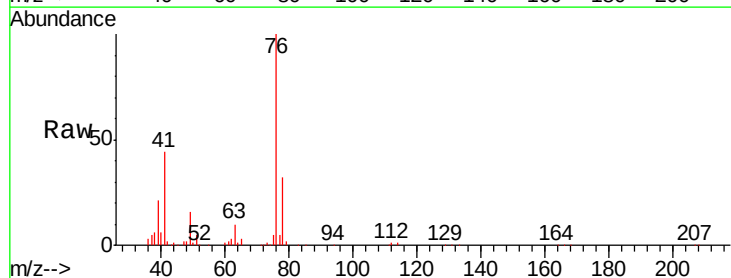
Manual Integrations
APPROVED

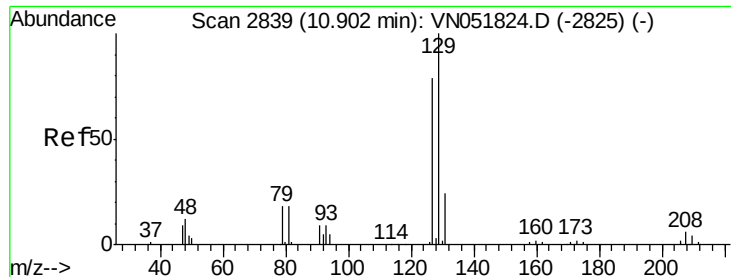
MMDadoda
10/16/2018 3:56:17 PM



#52
1,3-Dichloropropane
Concen: 19.31 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	67.6





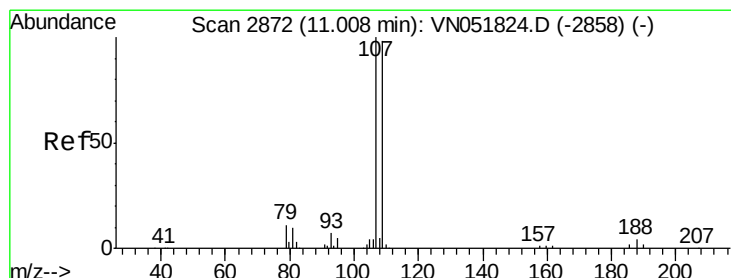
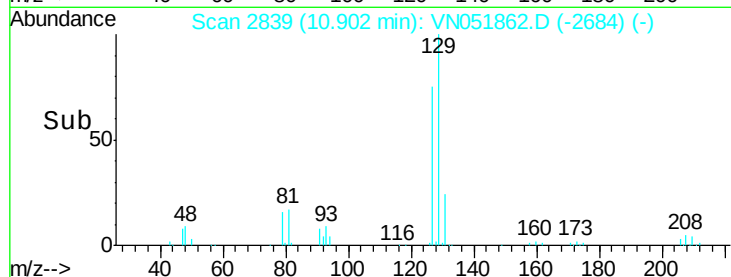
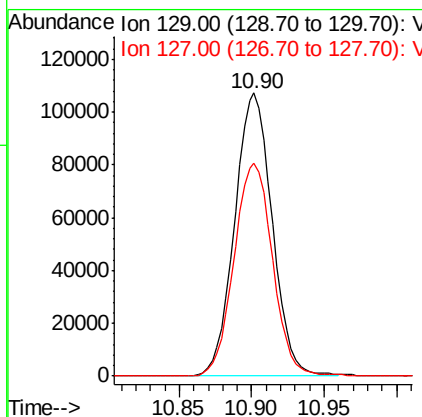
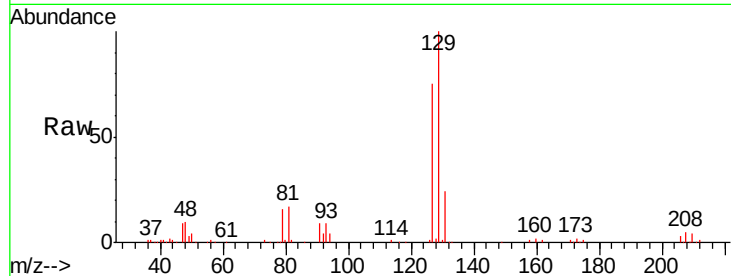
#53
 Dibromochloromethane
 Concen: 18.89 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:129 Resp: 193003
 Ion Ratio Lower Upper
 129 100
 127 77.1 40.2 120.5

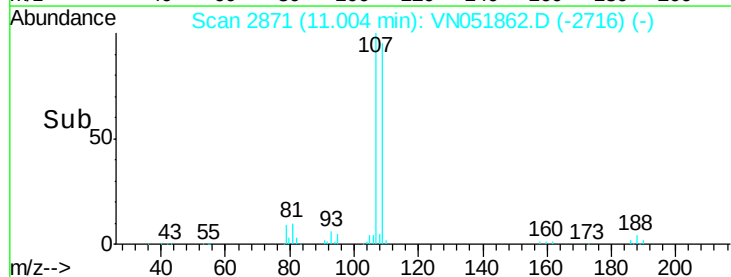
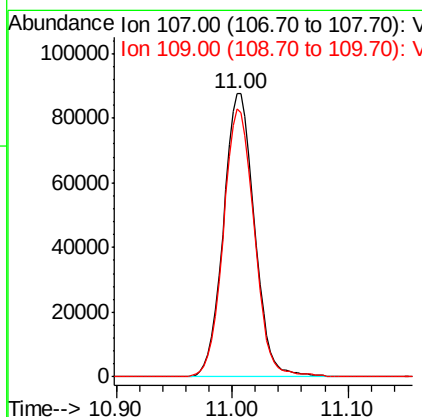
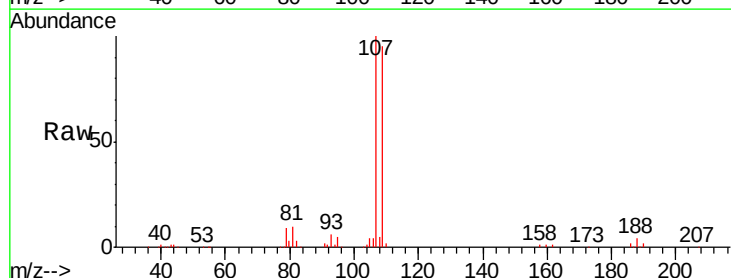
Manual Integrations
 APPROVED

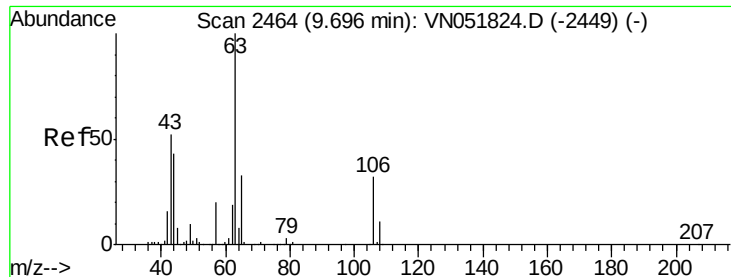
MMDadoda
 10/16/2018 3:56:17 PM



#54
 1,2-Dibromoethane
 Concen: 18.79 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion:107 Resp: 162900
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.4 116.0





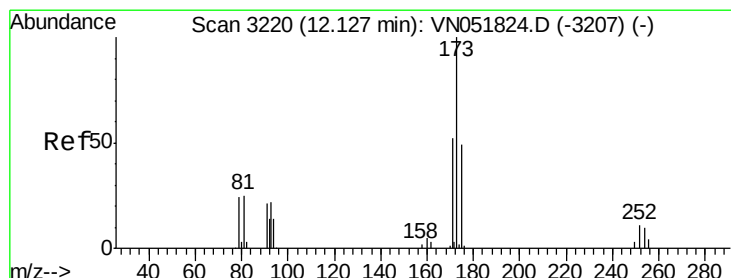
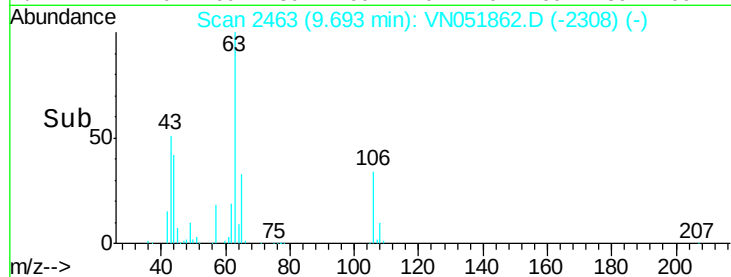
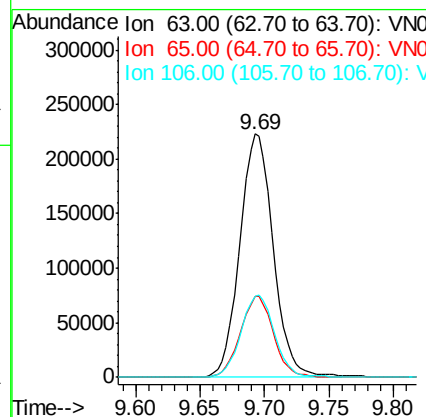
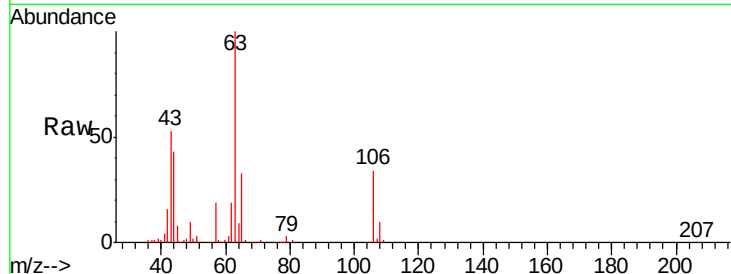
#55
2-Chloroethyl vinyl ether
Concen: 99.61 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.4	38.0
106	34.1	21.2	31.8

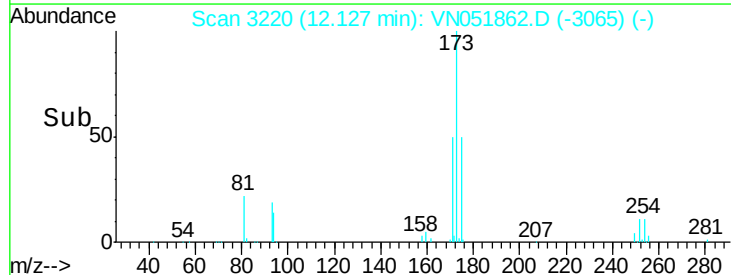
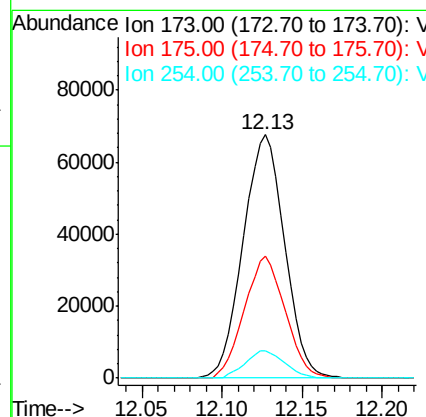
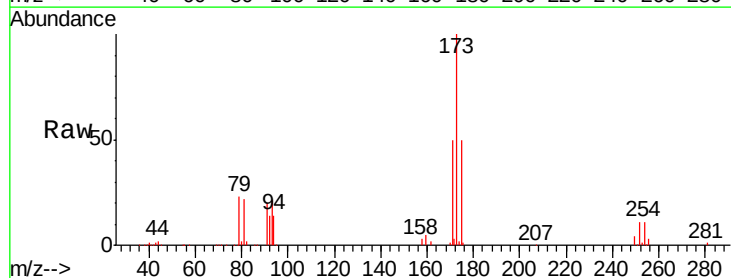
Manual Integrations
APPROVED

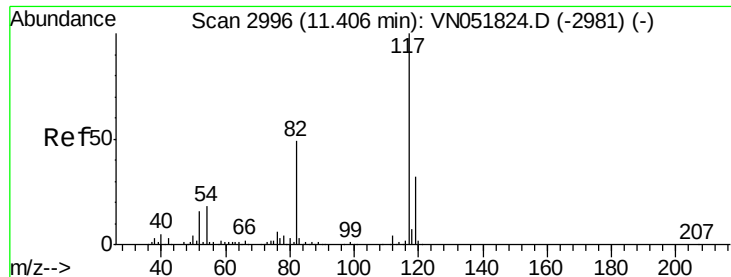
MMDadoda
10/16/2018 3:56:17 PM



#56
Bromoform
Concen: 17.79 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	35.8	53.8
254	10.5	8.6	13.0





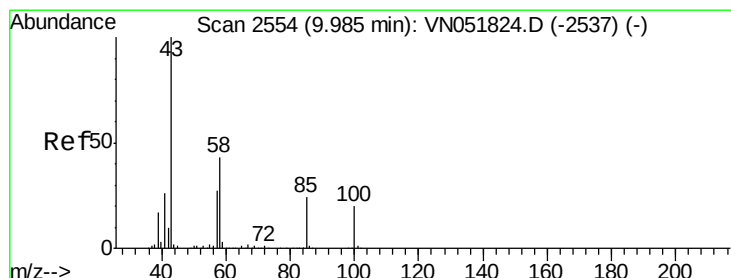
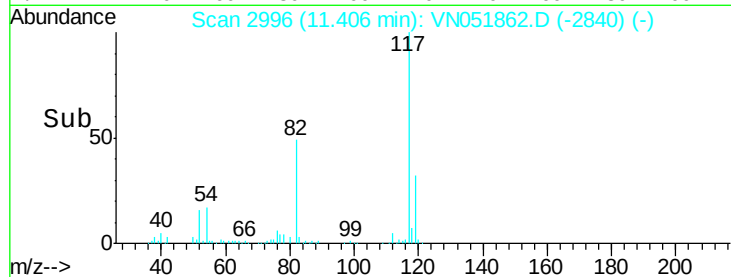
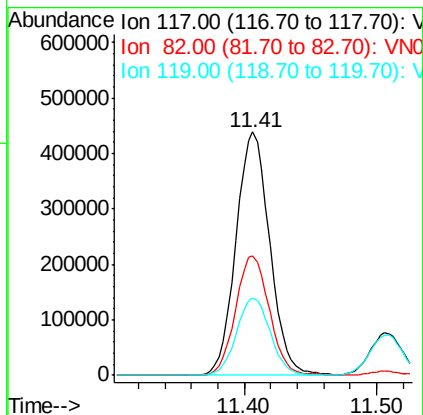
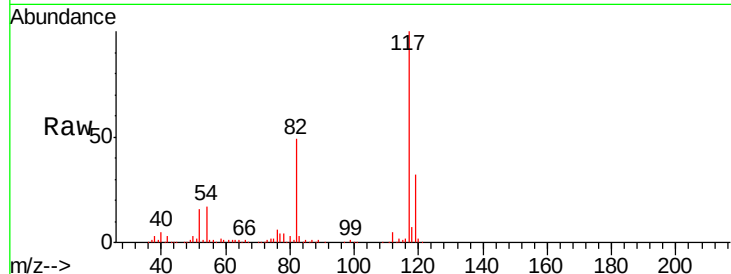
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.2	44.1	66.1
119	31.8	25.8	38.8

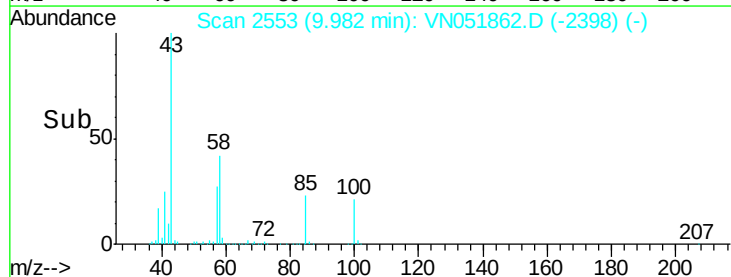
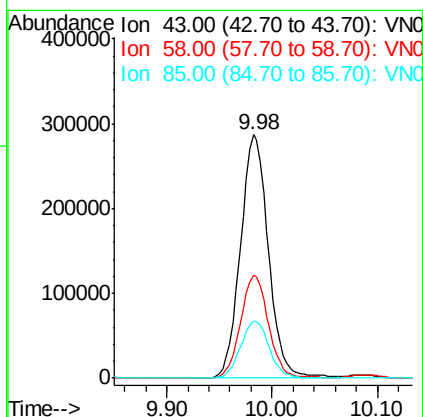
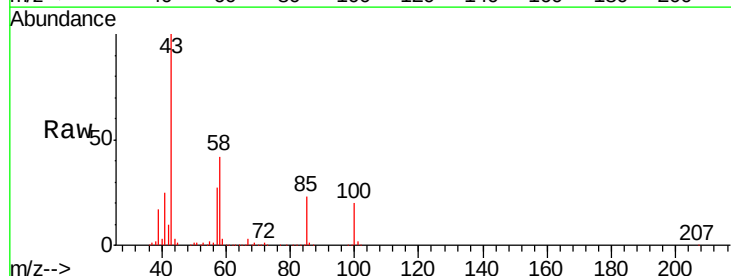
Manual Integrations
APPROVED

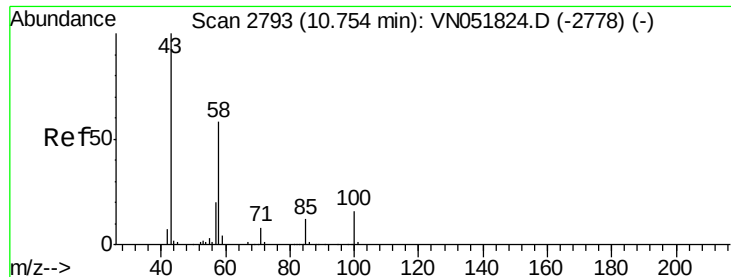
MMDadoda
10/16/2018 3:56:17 PM



#58
4-Methyl-2-Pentanone
Concen: 101.06 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	29.3	43.9
85	24.1	12.6	18.8#





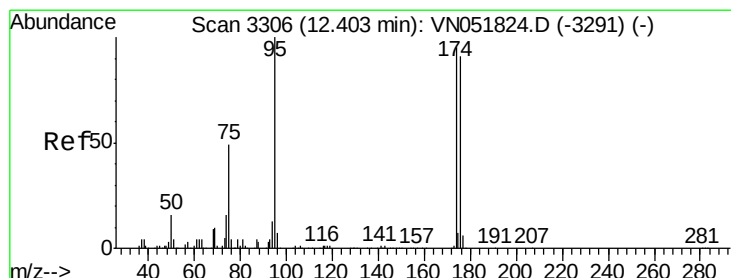
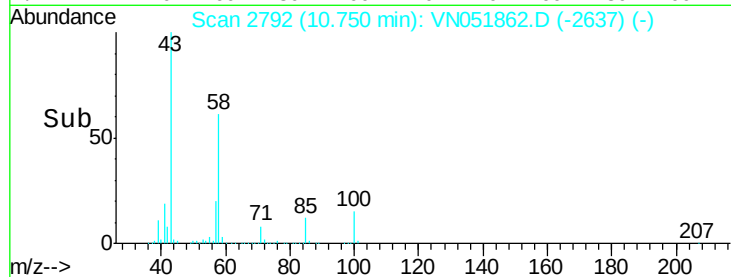
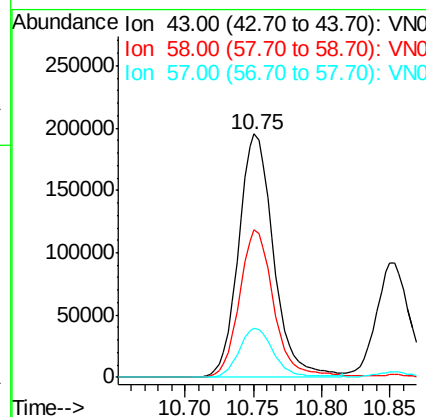
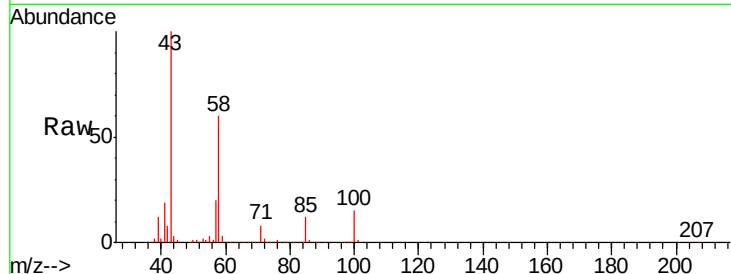
#59
2-Hexanone
Concen: 98.71 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	60.0	41.3	61.9
57	20.0	13.4	20.0

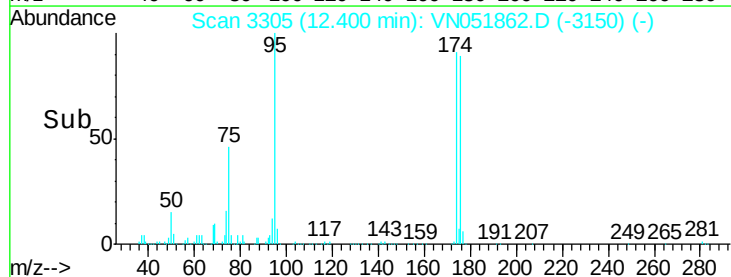
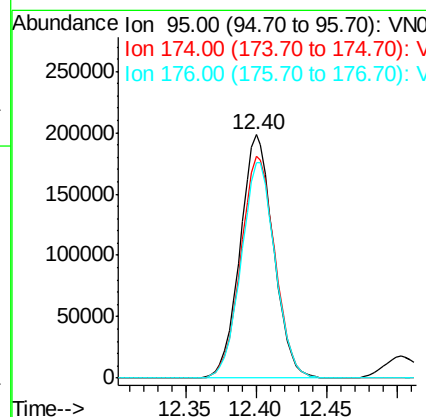
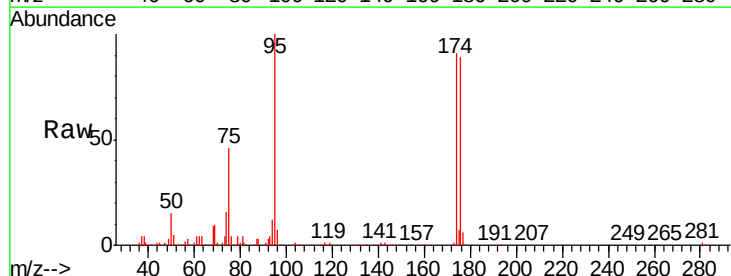
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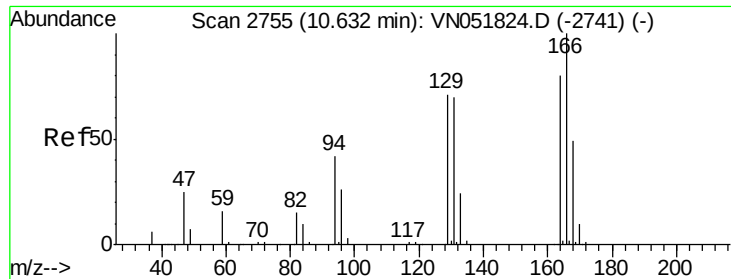
MMDadoda
10/16/2018 3:56:17 PM



#60
4-Bromofluorobenzene
Concen: 98.71 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	73.5	110.3
176	90.4	70.2	105.2





#61

Tetrachloroethene

Concen: 21.23 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 164 Resp: 211202

Ion Ratio Lower Upper

164 100

166 125.4 98.7 148.1

129 89.6 69.6 104.4

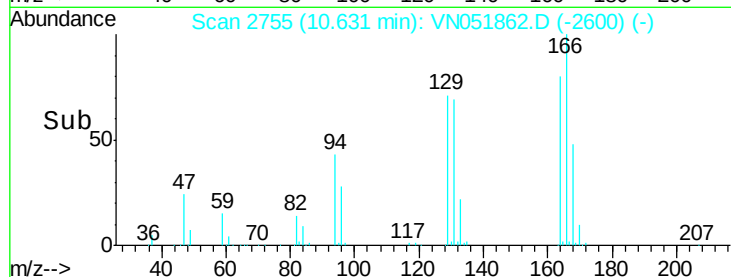
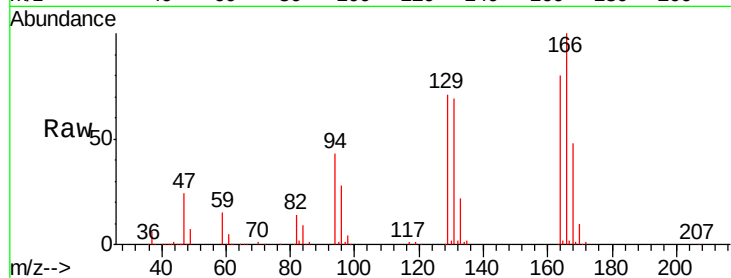
131 86.3 72.4 108.6

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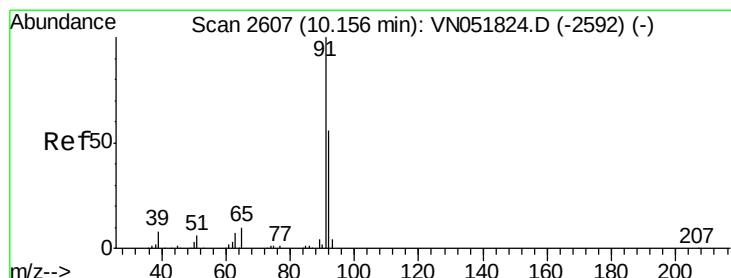
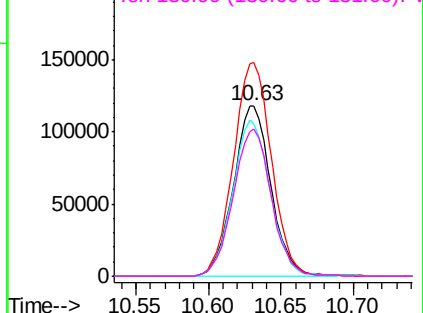


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.18 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051862.D

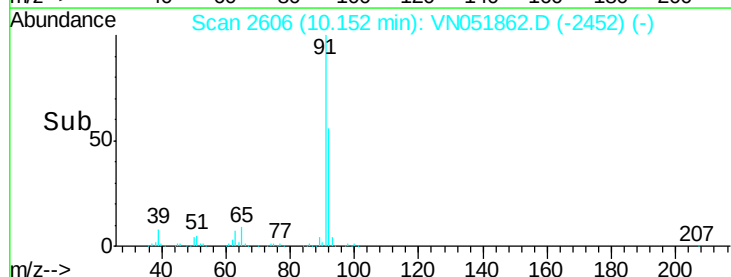
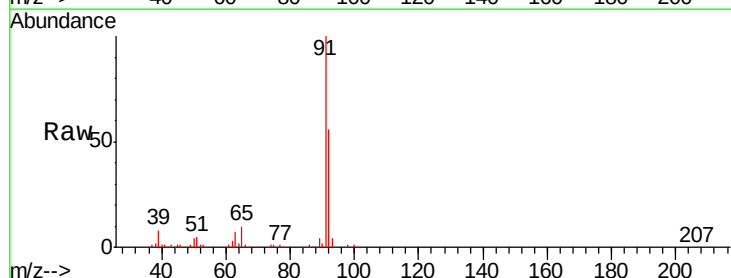
Acq: 15 Oct 2018 9:41

Tgt Ion: 91 Resp: 779779

Ion Ratio Lower Upper

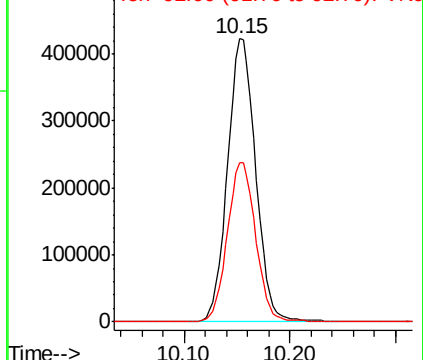
91 100

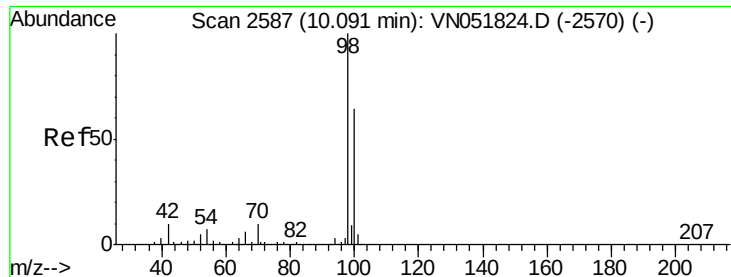
92 56.3 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.18 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 1045339

Ion Ratio Lower Upper

98 100

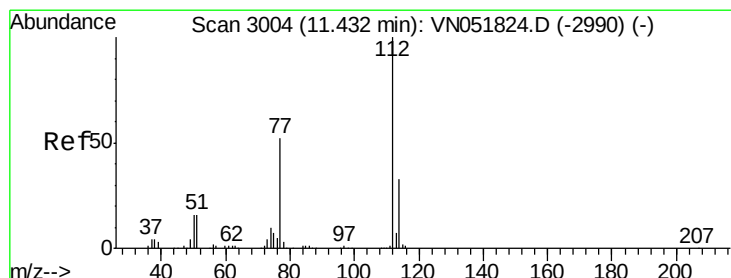
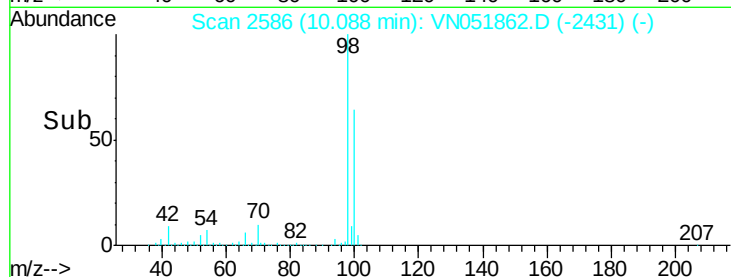
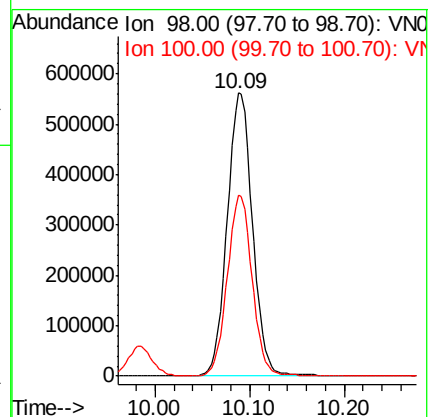
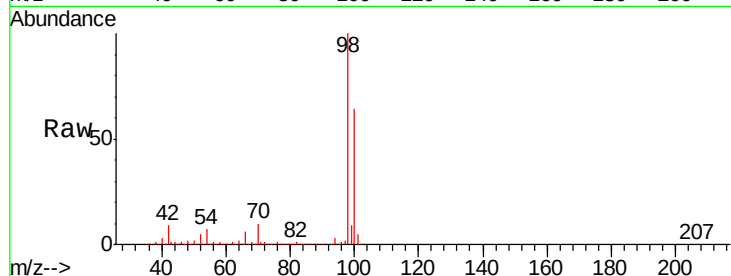
100 62.4 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.74 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051862.D

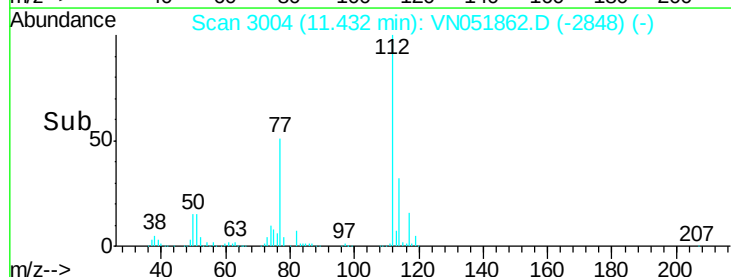
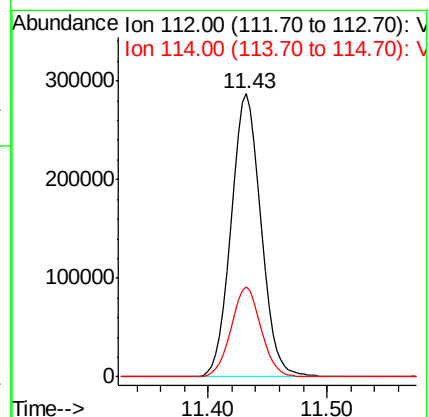
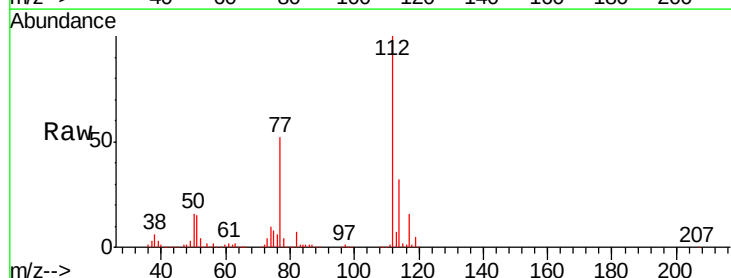
Acq: 15 Oct 2018 9:41

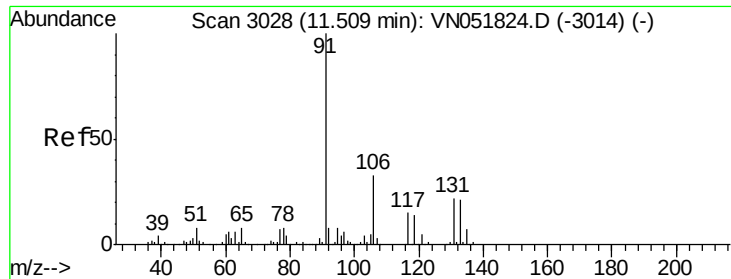
Tgt Ion: 112 Resp: 499759

Ion Ratio Lower Upper

112 100

114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.84 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

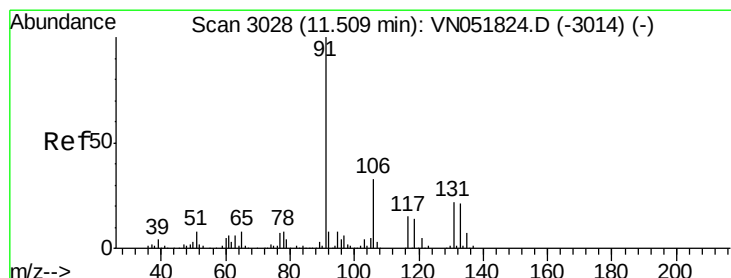
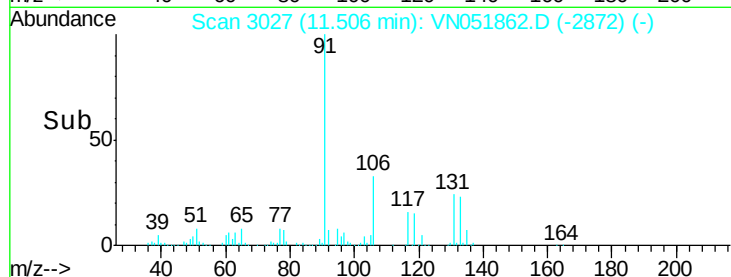
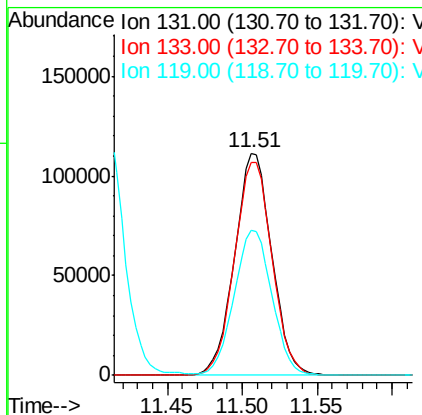
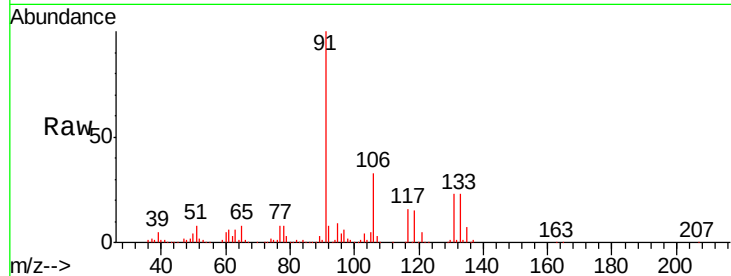
VSTDCCC020

Tgt Ion:	131	Resp:	192751
Ion Ratio	Lower	Upper	
131	100		
133	96.9	0.0	190.4
119	66.3	0.0	128.0

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#66

Ethyl Benzene

Concen: 19.57 ug/l

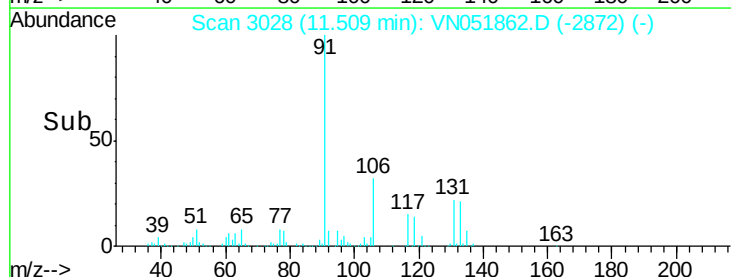
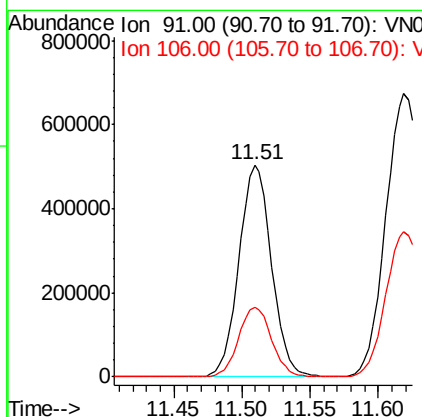
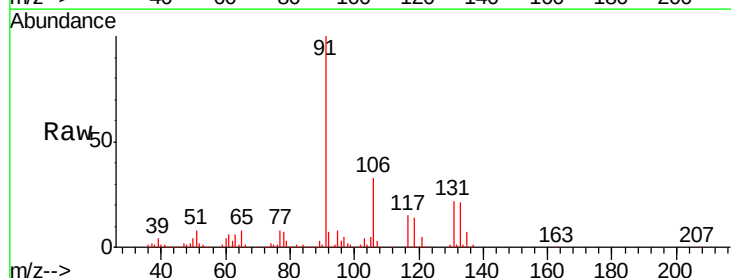
RT: 11.51 min Scan# 3028

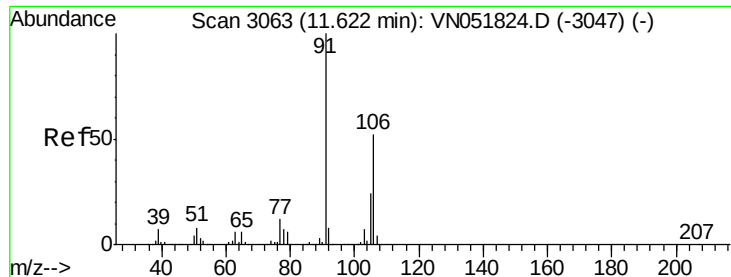
Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion:	91	Resp:	836124
Ion Ratio	Lower	Upper	
91	100		
106	32.8	25.9	38.9





#67

m/p-Xylenes

Concen: 38.73 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion:106 Resp: 670711

Ion Ratio Lower Upper

106 100

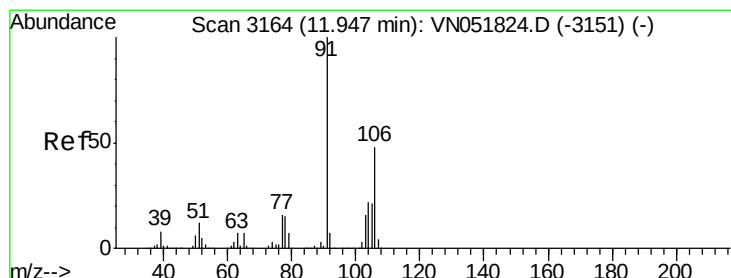
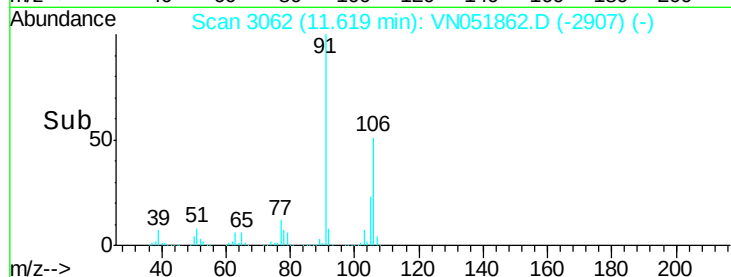
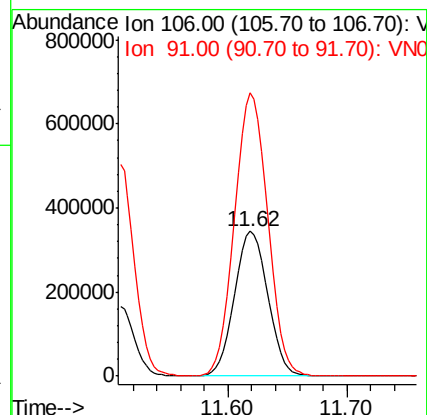
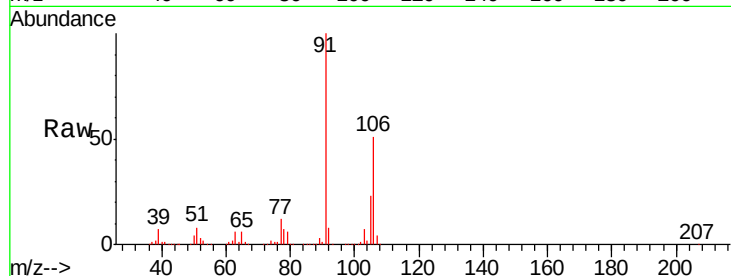
91 194.5 158.8 238.2

Manual Integrations

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#68

o-Xylene

Concen: 19.41 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051862.D

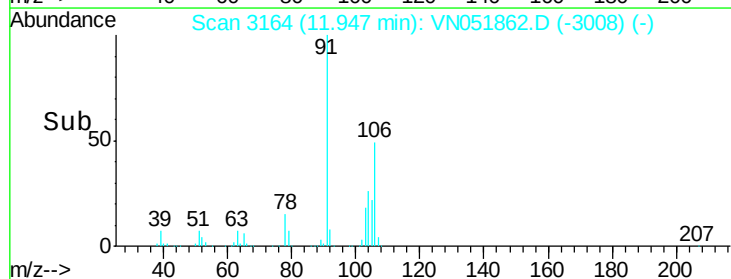
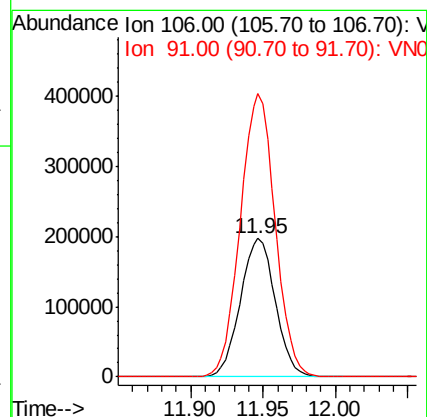
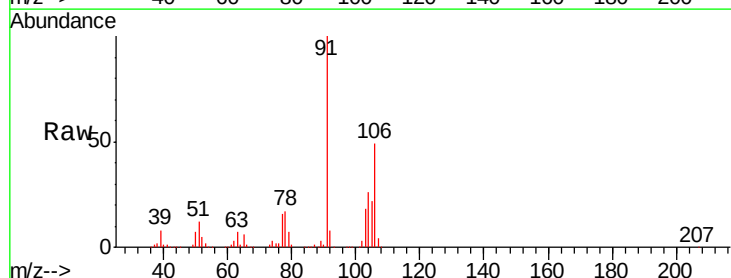
Acq: 15 Oct 2018 9:41

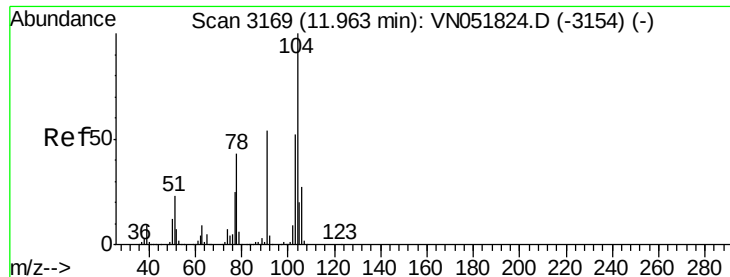
Tgt Ion:106 Resp: 331330

Ion Ratio Lower Upper

106 100

91 203.6 111.1 333.3





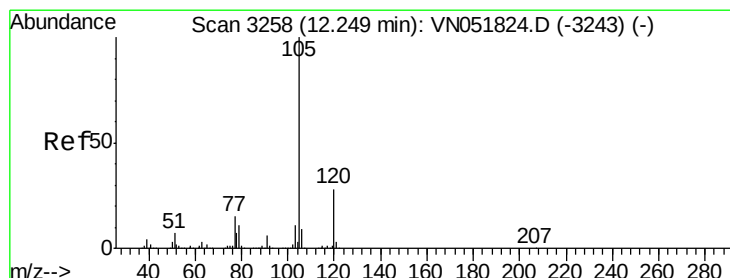
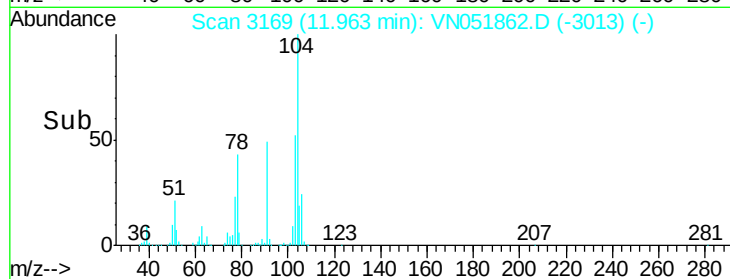
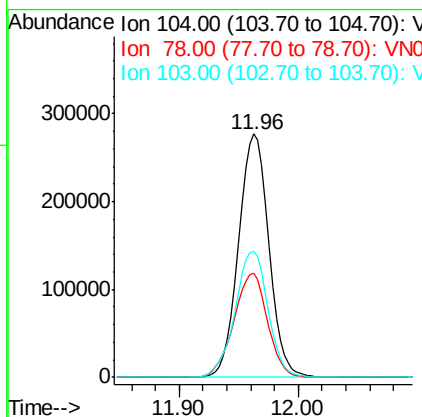
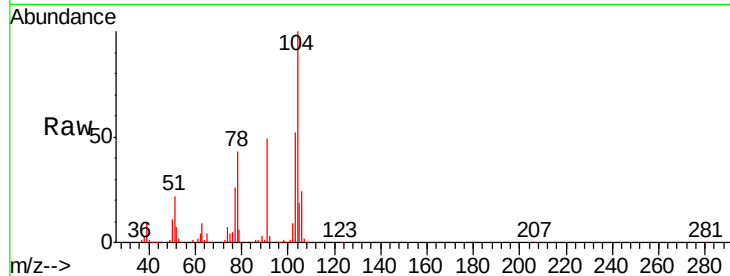
#69
Styrene
 Concen: 18.70 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	40.6	60.8
103	56.3	44.0	66.0

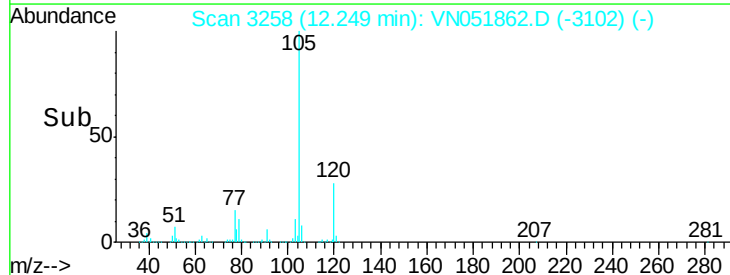
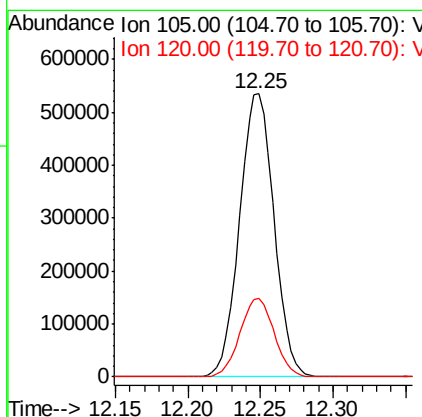
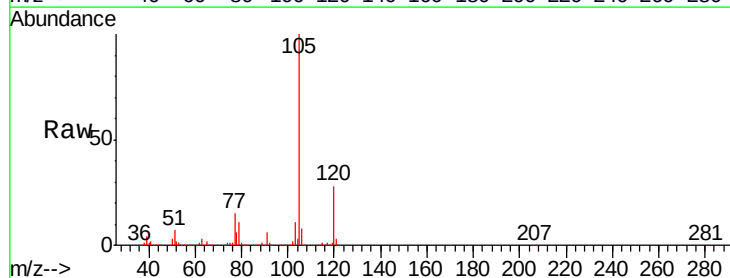
Manual Integrations
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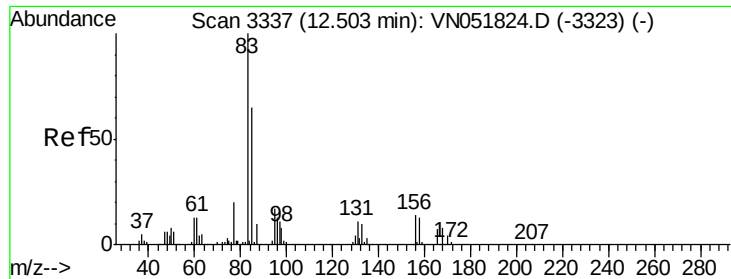
MMDadoda
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#70
Isopropylbenzene
 Concen: 19.43 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.0	35.4





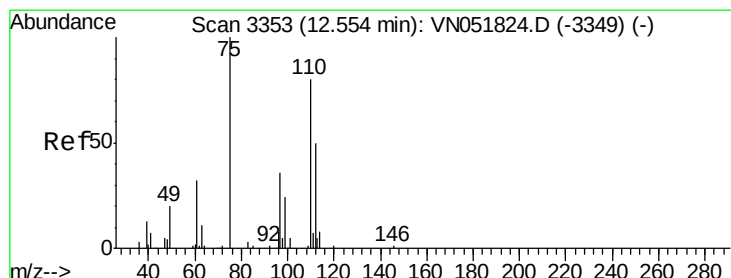
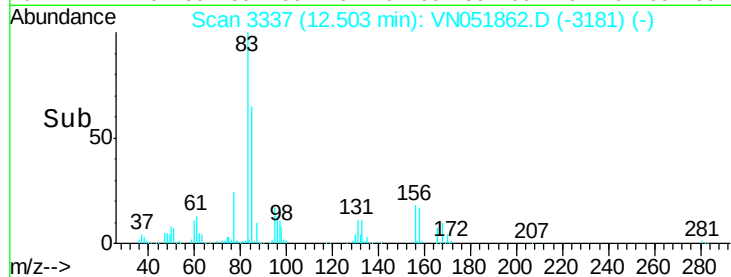
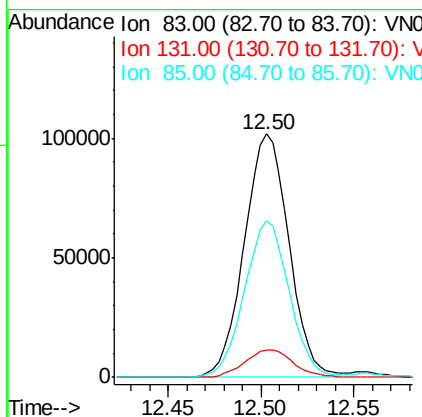
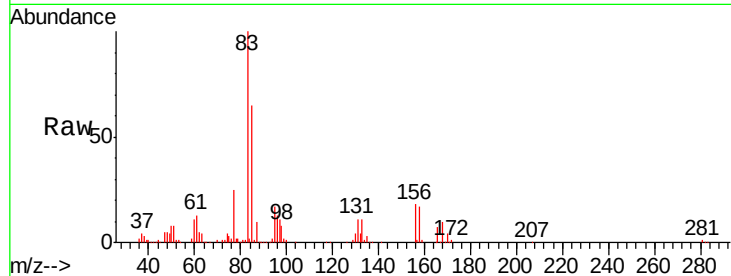
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.94 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.5	16.4
85	64.3	30.6	91.8

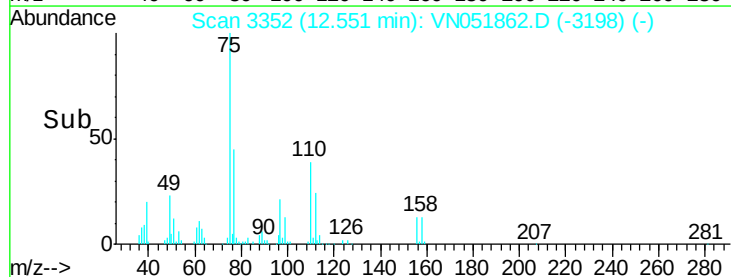
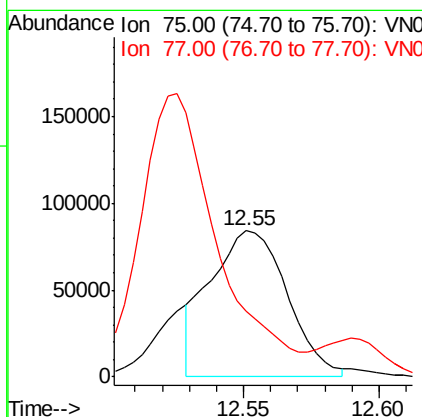
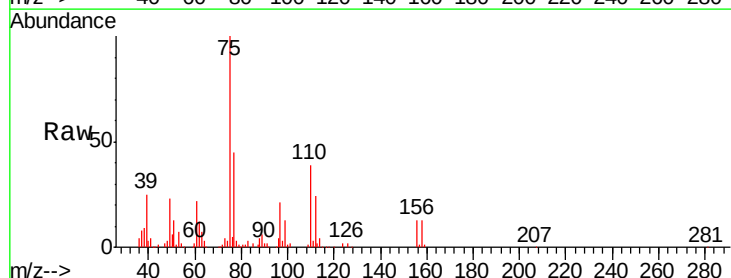
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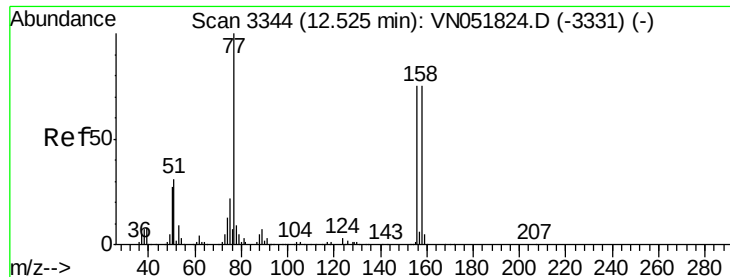
MMDadoda
 10/16/2018 3:56:17 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.68 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	195.2	0.0	400.0





#73

Bromobenzene

Concen: 18.75 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

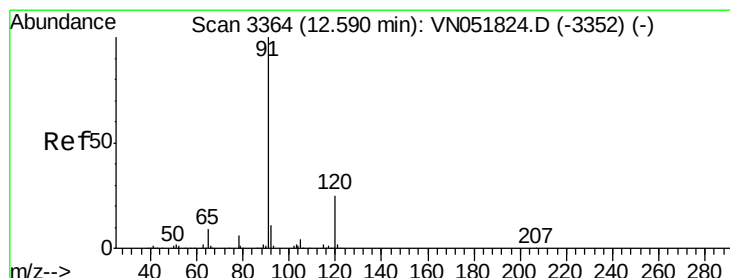
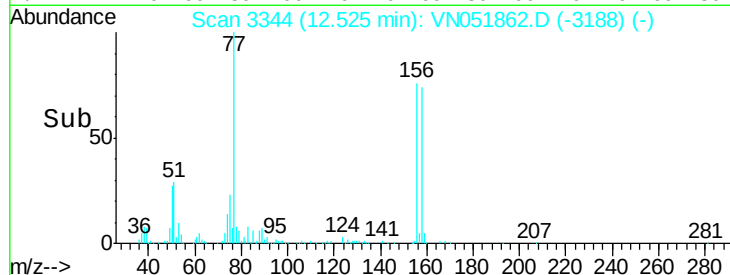
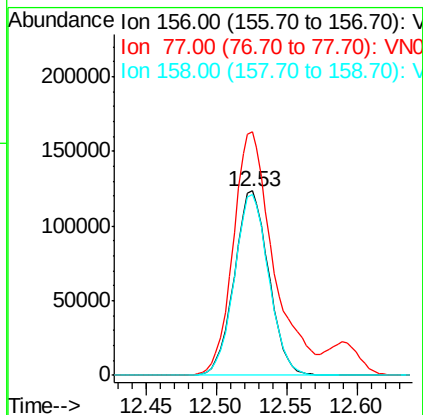
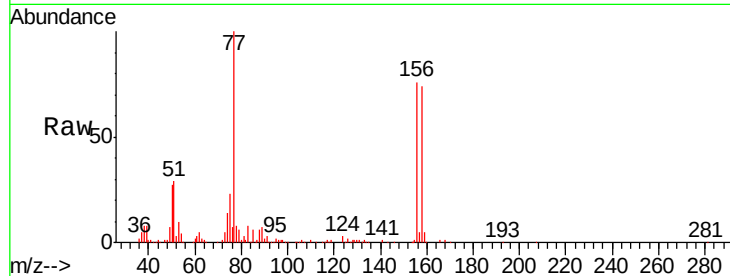
VSTDCCC020

Tgt Ion:	156	Resp:	211485
Ion Ratio	Lower	Upper	
156	100		
77	154.5	0.0	377.4
158	98.3	0.0	203.0

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#74

n-propylbenzene

Concen: 19.15 ug/l

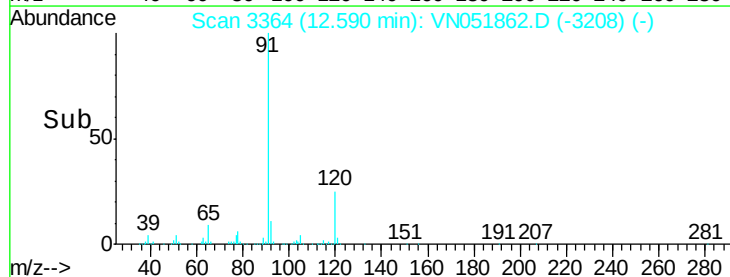
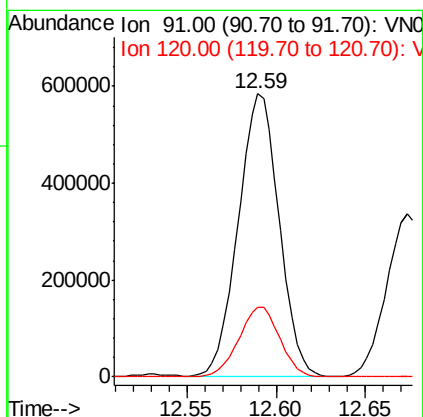
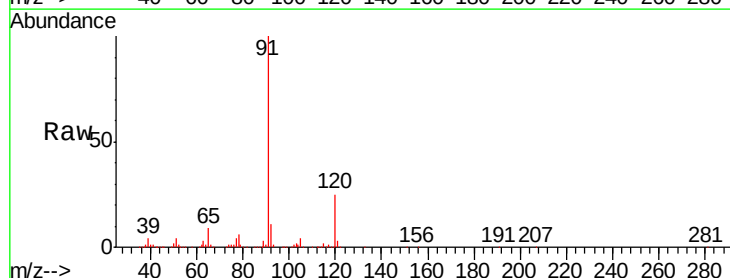
RT: 12.59 min Scan# 3364

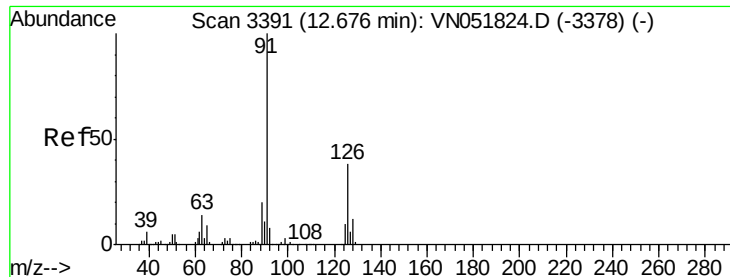
Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion:	91	Resp:	937884
Ion Ratio	Lower	Upper	
91	100		
120	24.7	0.0	45.0





#75

2-Chlorotoluene

Concen: 19.29 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

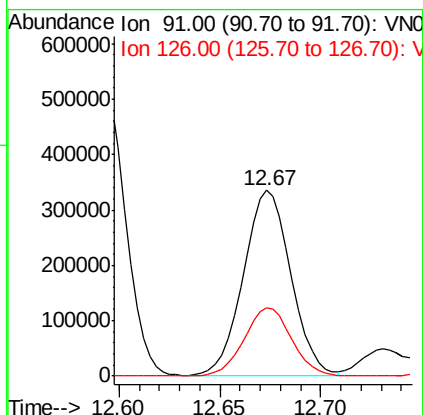
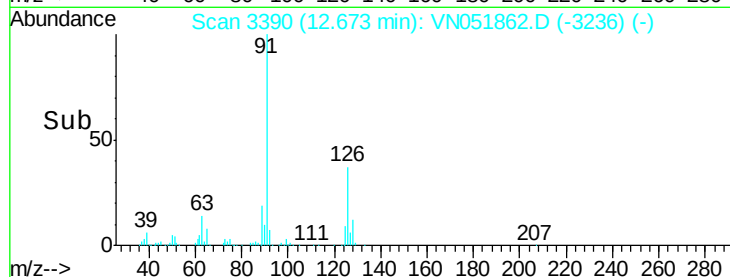
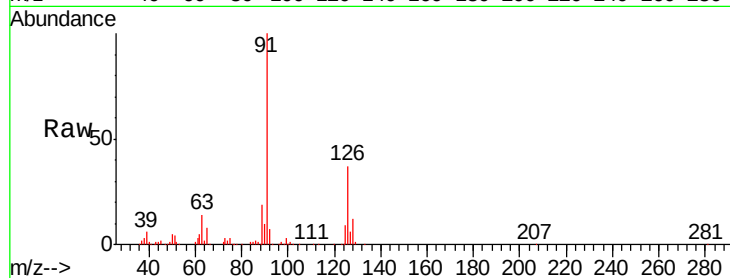
Tgt Ion: 91 Resp: 553897

Ion Ratio Lower Upper

91 100

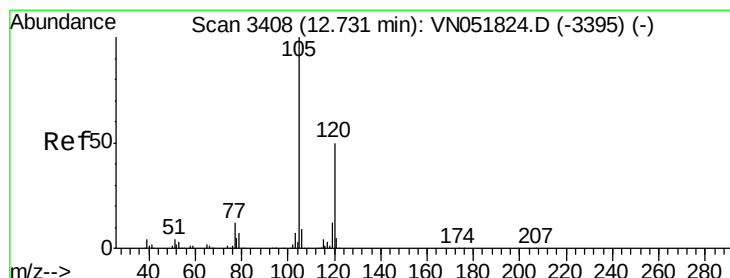
126 36.8 0.0 67.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.02 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051862.D

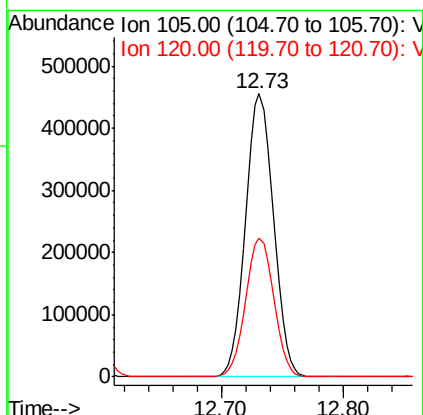
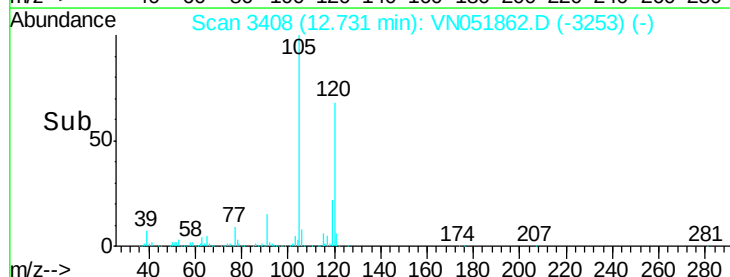
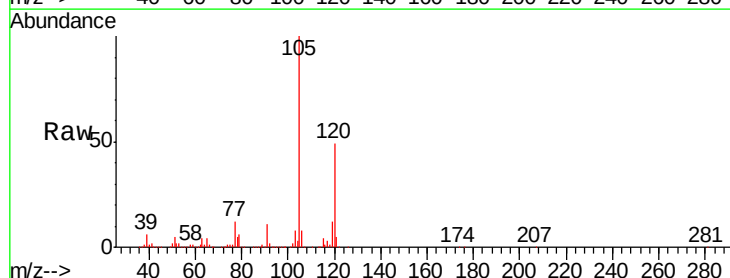
Acq: 15 Oct 2018 9:41

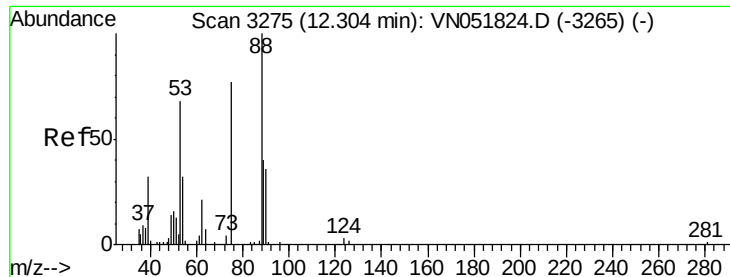
Tgt Ion: 105 Resp: 716180

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 18.81 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Instrument :

MSVOA_N

ClientSampled :

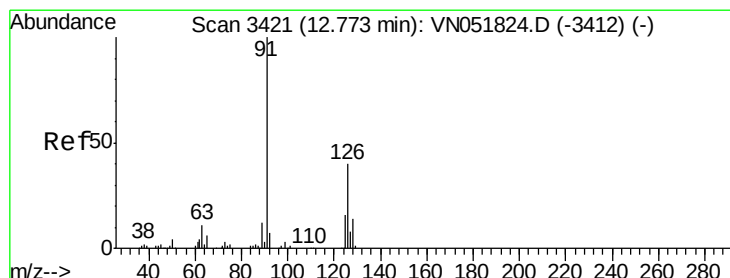
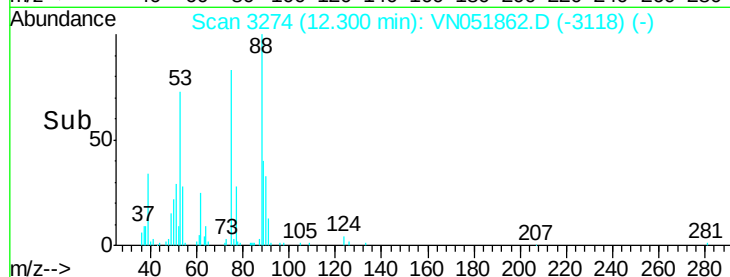
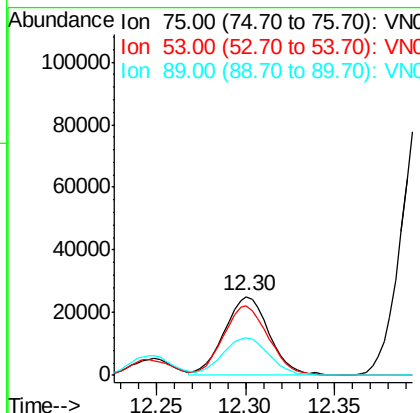
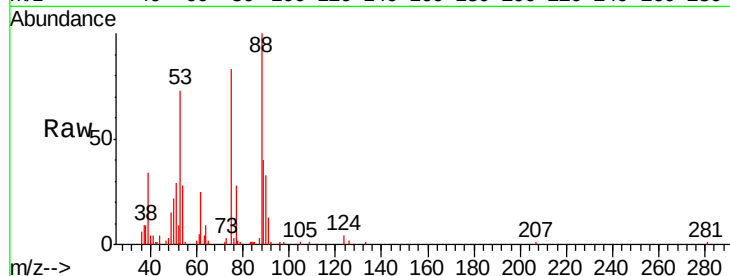
VSTDCCC020

Tgt Ion:	75	Resp:	43996
Ion	Ratio	Lower	Upper
75	100		
53	87.1	46.3	138.9
89	47.5	24.6	73.8

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#78

4-Chlorotoluene

Concen: 18.75 ug/l

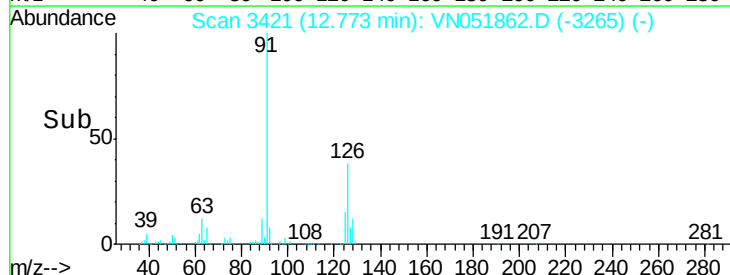
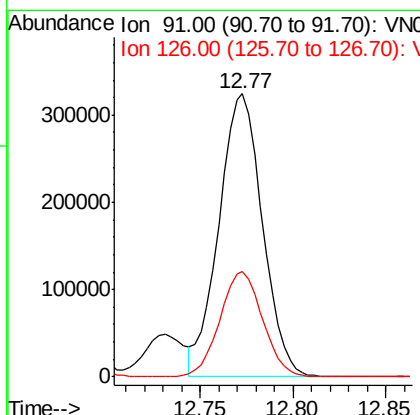
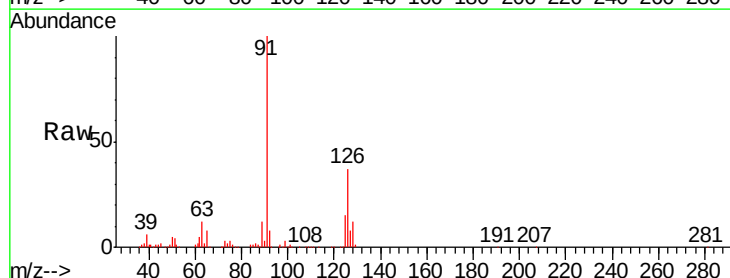
RT: 12.77 min Scan# 3421

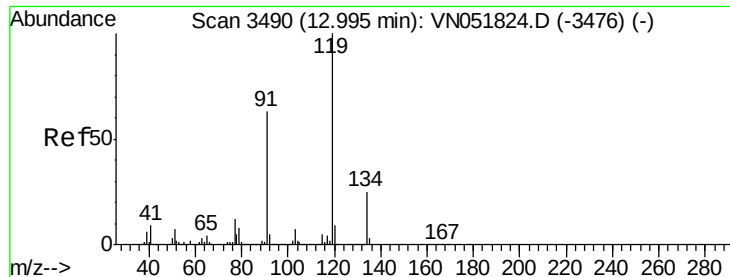
Delta R.T. -0.00 min

Lab File: VN051862.D

Acq: 15 Oct 2018 9:41

Tgt Ion:	91	Resp:	528894
Ion	Ratio	Lower	Upper
91	100		
126	36.6	0.0	65.2





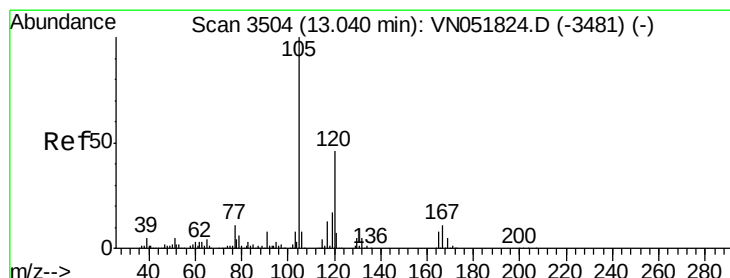
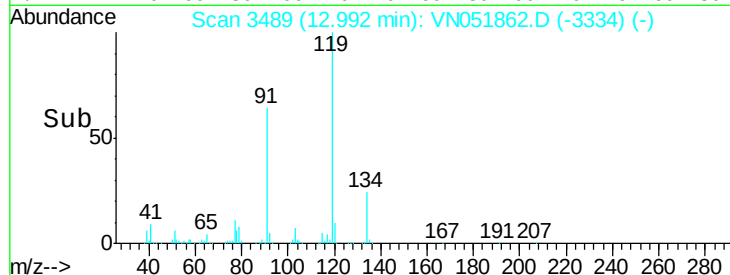
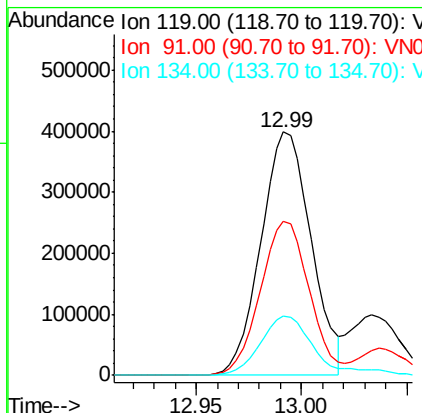
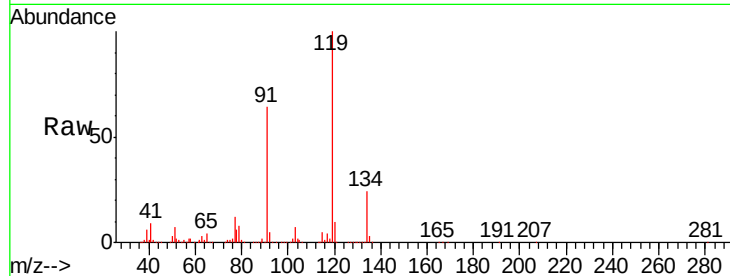
#79
tert-butylbenzene
Concen: 19.11 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	661678		
91	61.8	0.0	131.6	
134	26.4	0.0	46.2	

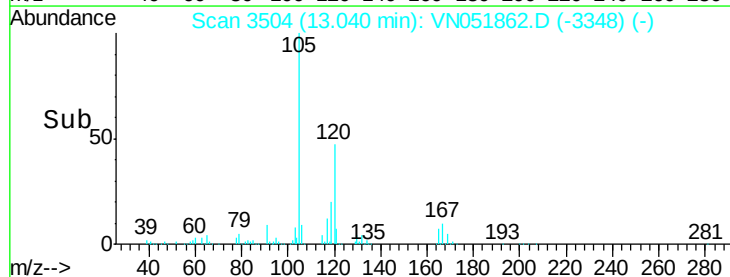
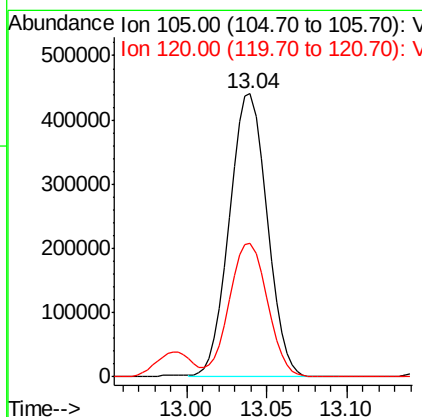
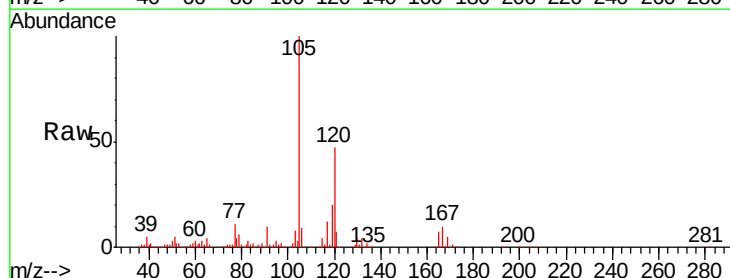
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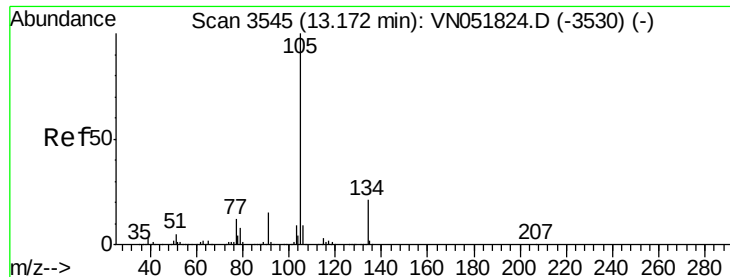
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#80
1,2,4-Trimethylbenzene
Concen: 18.85 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	709265		
120	47.7	0.0	89.6	





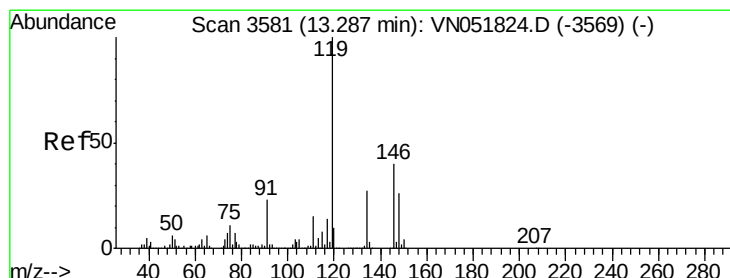
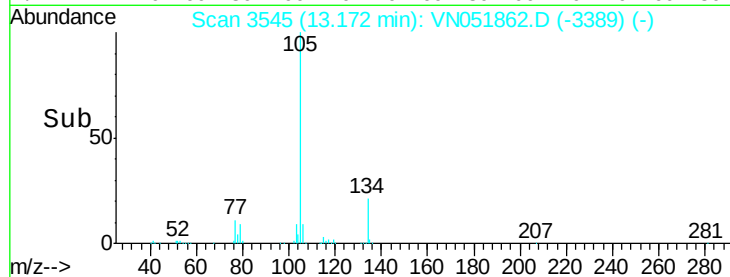
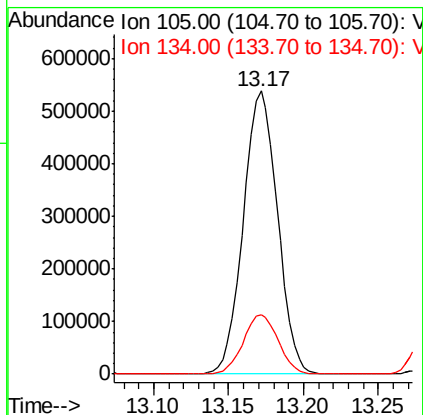
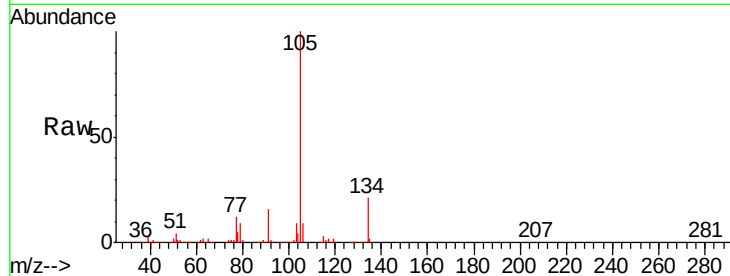
#81
 sec-Butylbenzene
 Concen: 18.93 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.3	0.0	39.4

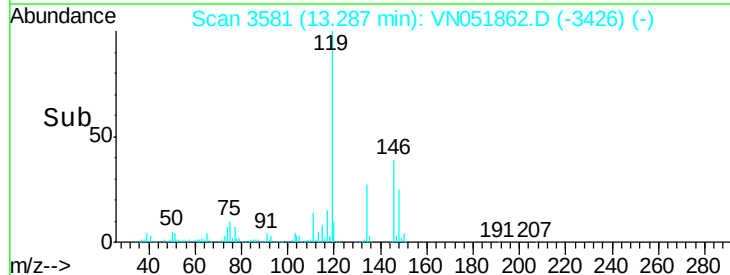
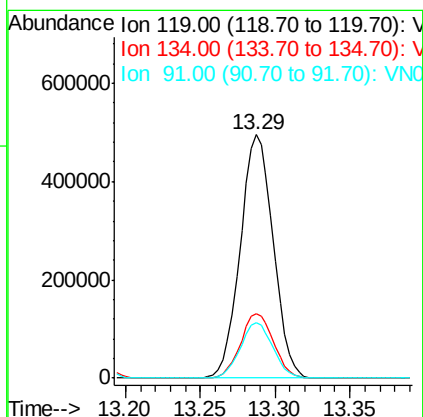
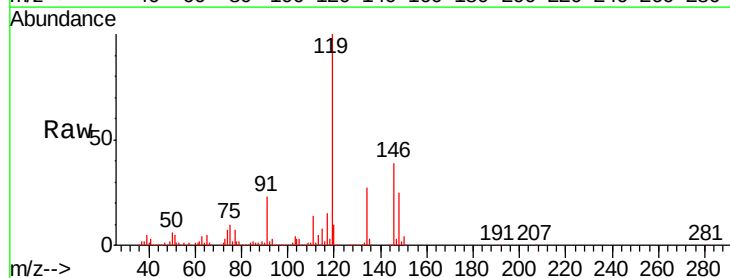
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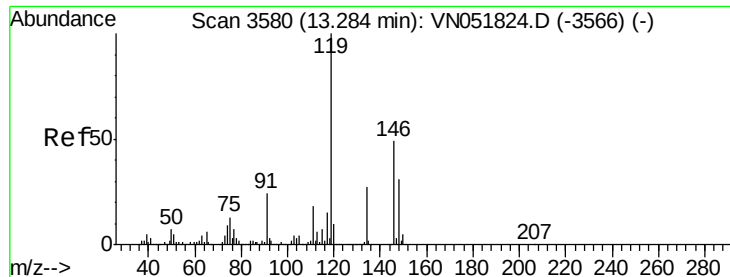
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#82
 p-Isopropyltoluene
 Concen: 18.70 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	53.6
91	22.6	0.0	52.0





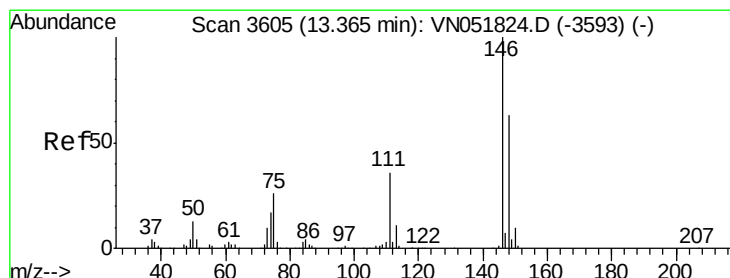
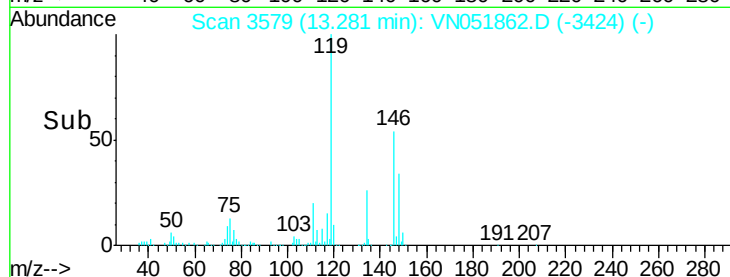
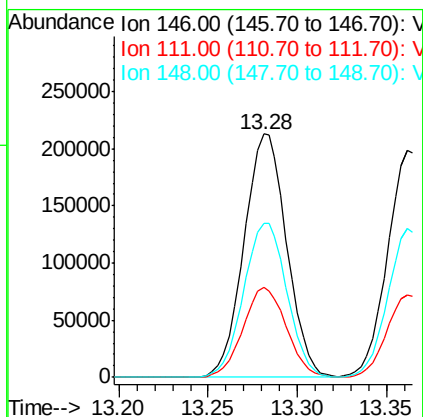
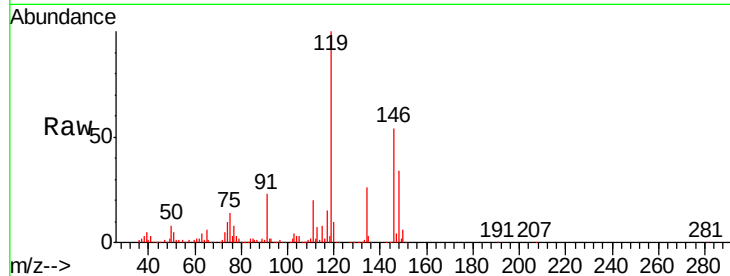
#83
 1,3-Dichlorobenzene
 Concen: 17.90 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	64.5	31.3	93.8

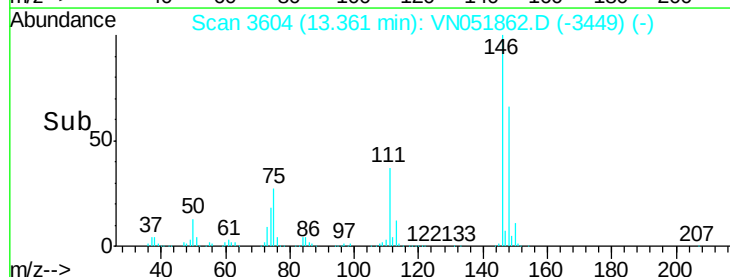
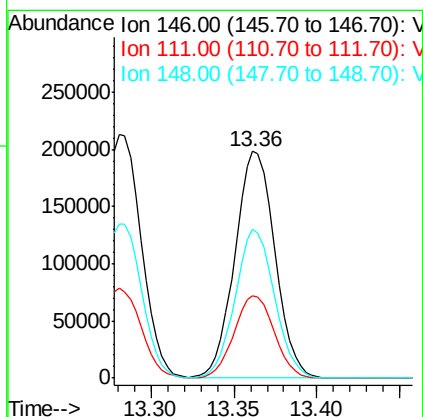
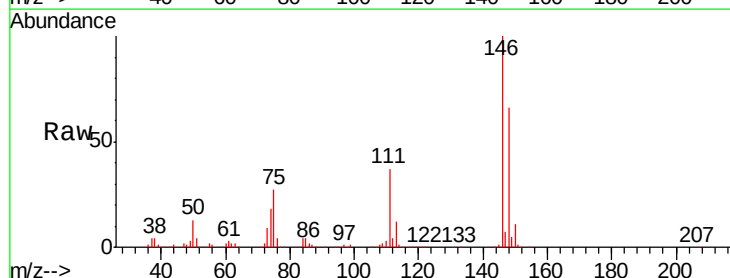
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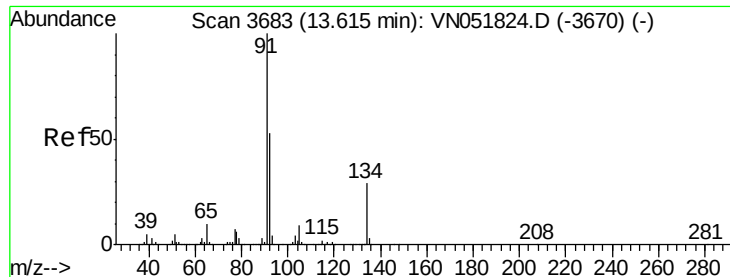
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#84
 1,4-Dichlorobenzene
 Concen: 17.77 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.4	52.2
148	64.4	32.8	98.3





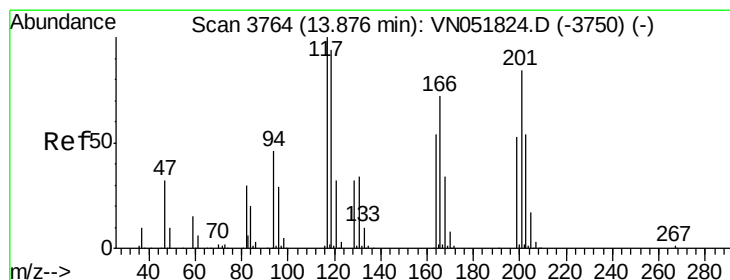
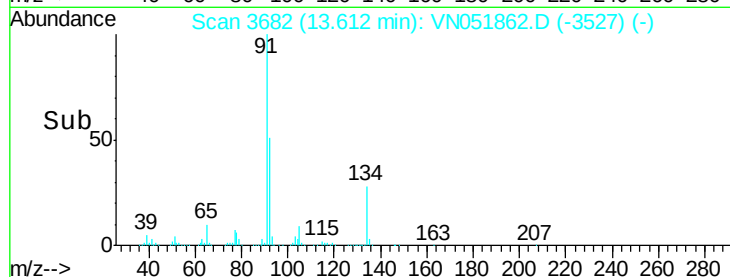
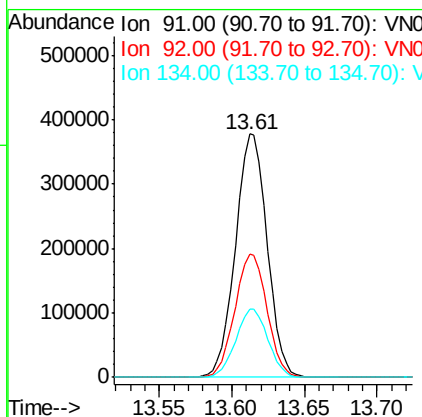
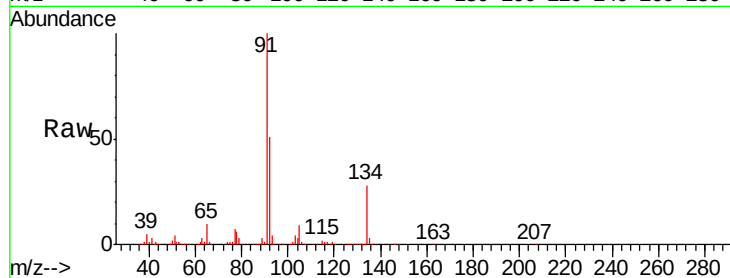
#85
n-Butylbenzene
Concen: 18.76 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	97.4
134	28.5	0.0	49.6

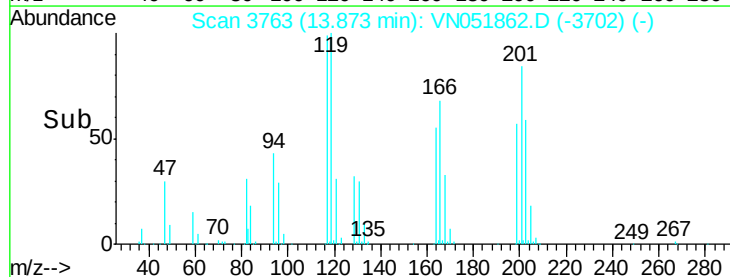
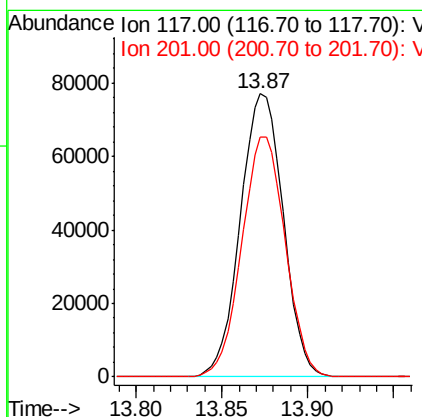
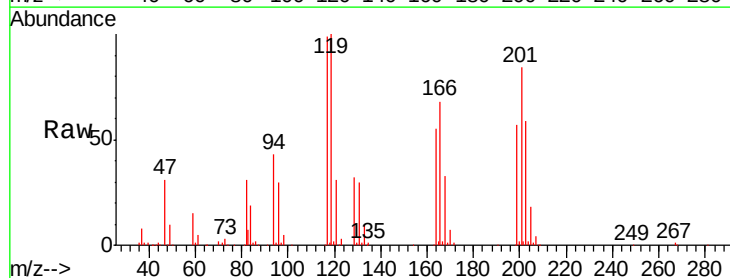
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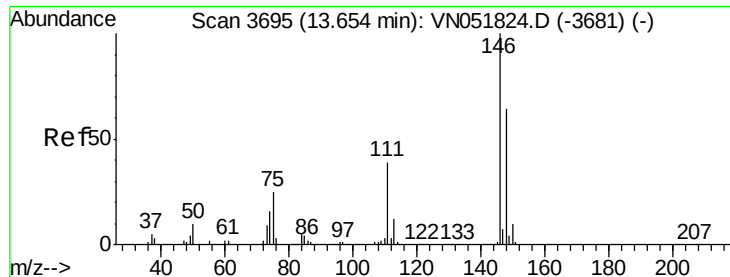
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#86
Hexachloroethane
Concen: 19.14 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	47.8	143.3





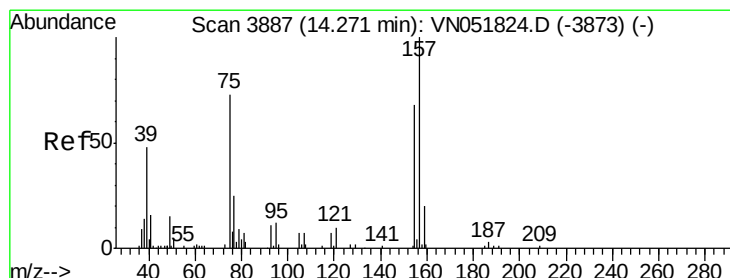
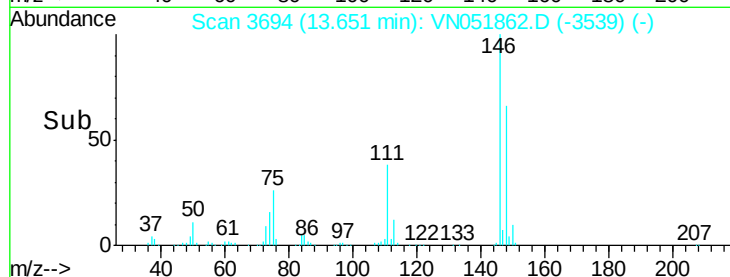
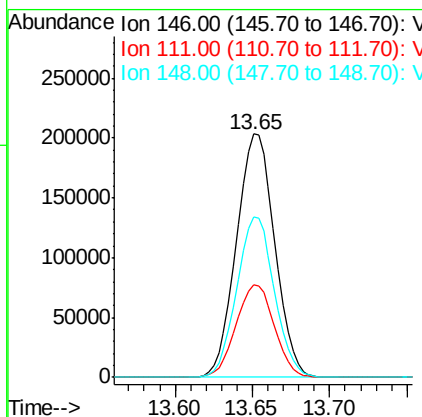
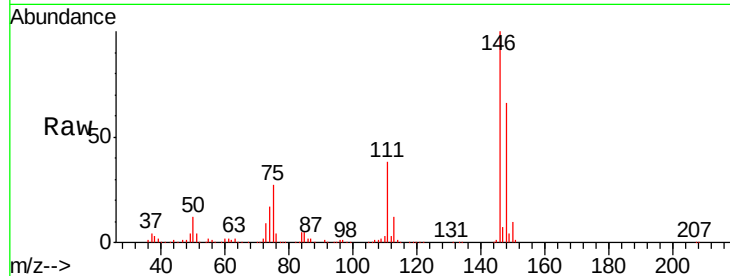
#87
 1,2-Dichlorobenzene
 Concen: 18.19 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.8	62.2
148	64.6	33.2	99.6

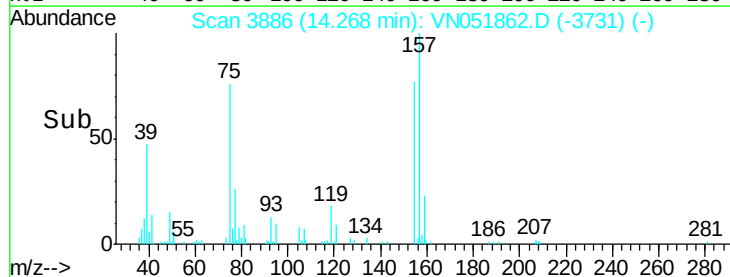
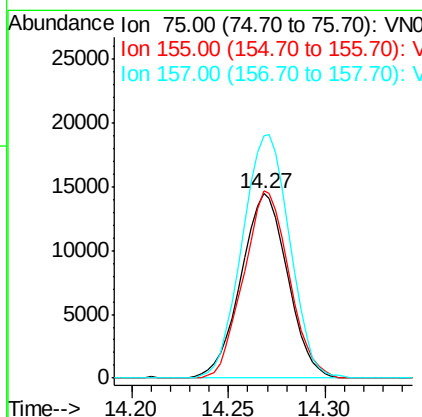
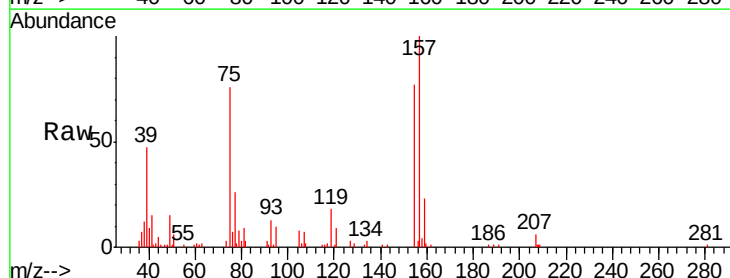
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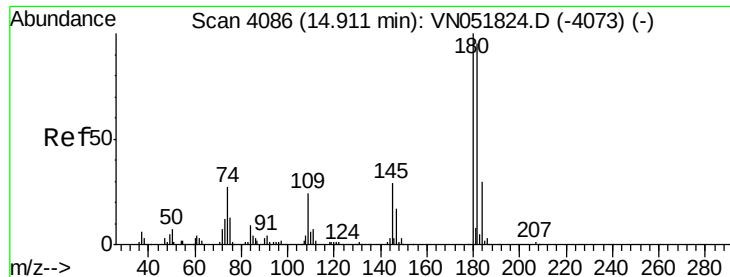
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.11 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	57.0	85.6#
157	134.6	87.4	131.0#





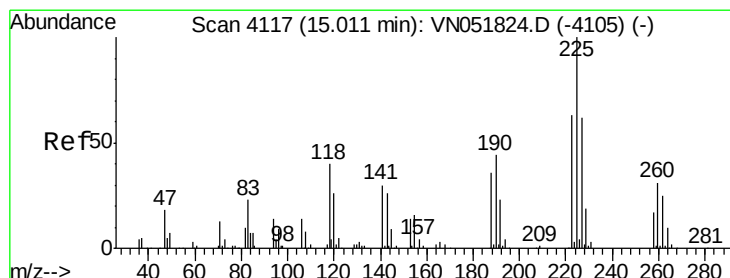
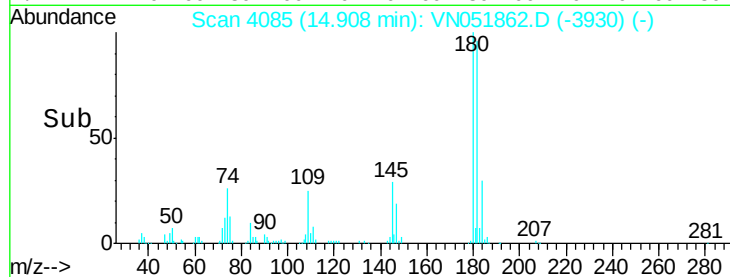
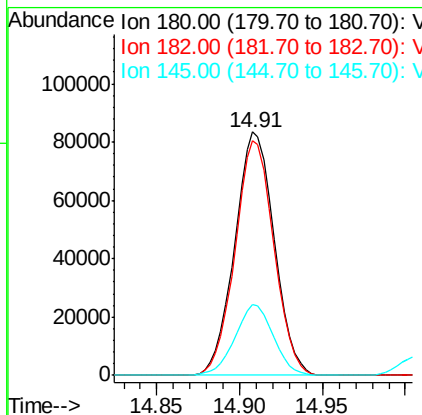
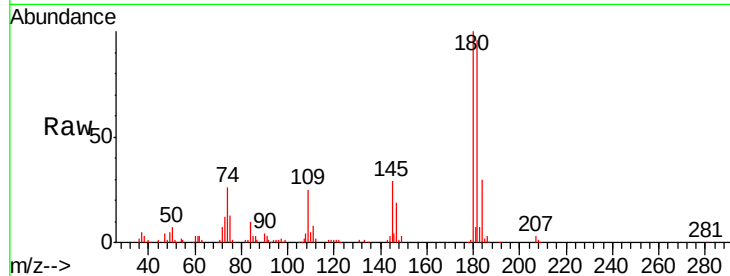
#89
 1,2,4-Trichlorobenzene
 Concen: 18.62 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion:	180	Resp:	138503
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.7	116.5
145	28.2	23.4	35.2

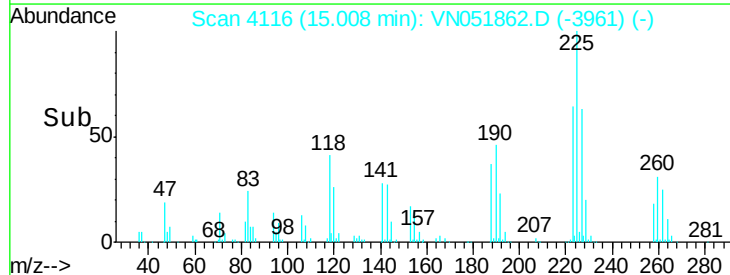
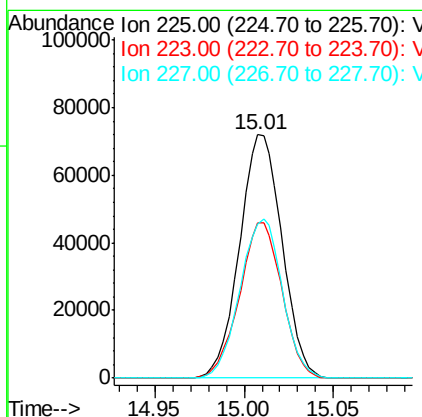
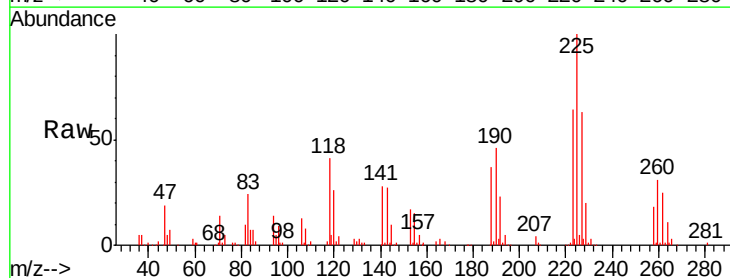
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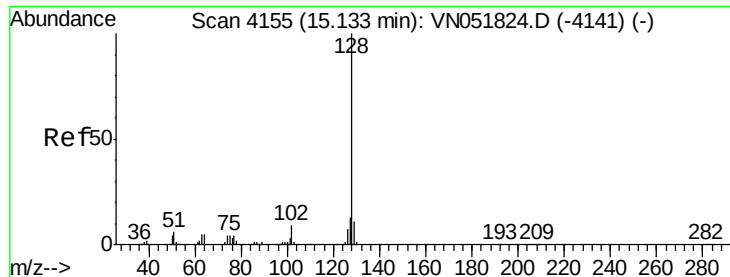
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#90
 Hexachlorobutadiene
 Concen: 19.30 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051862.D
 Acq: 15 Oct 2018 9:41

Tgt Ion:	225	Resp:	119793
Ion Ratio	Lower	Upper	
225	100		
223	63.8	0.0	117.0
227	65.2	0.0	127.0





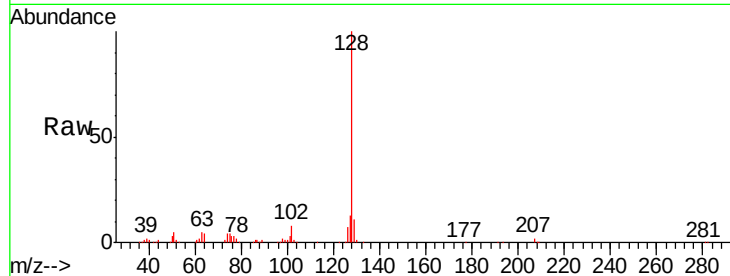
#91
Naphthalene
Concen: 18.10 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

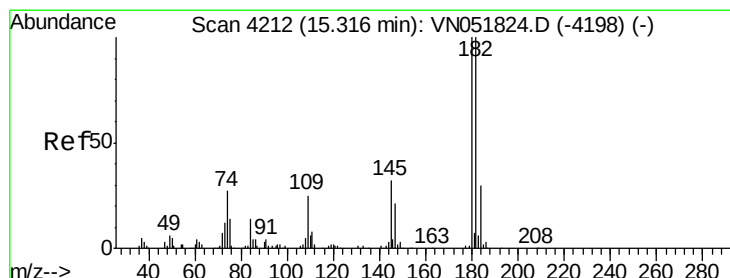
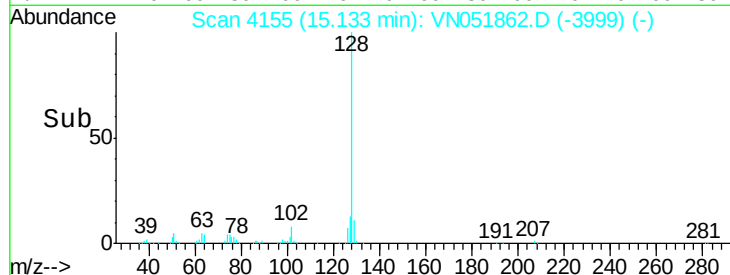
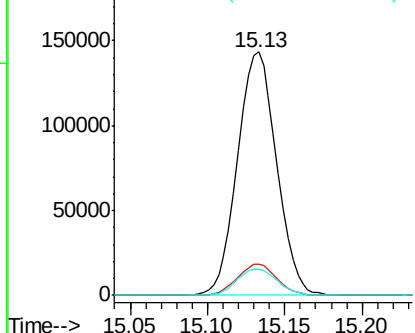
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	252097		
127	12.9	10.1	15.1	
129	11.0	8.4	12.6	

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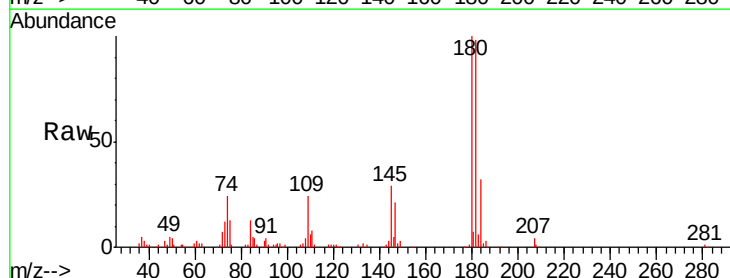


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 16.55 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051862.D
Acq: 15 Oct 2018 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145057		
182	95.5	0.0	198.0	
145	30.3	0.0	36.8	



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

