

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051872.D
 Acq On : 15 Oct 2018 14:22
 Operator : MD\SY
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:56:36 PM

Quant Time: Oct 16 01:45:24 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	132827	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	751516	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	662256	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248577	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	275706	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	882868	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111421	21.59	ug/l	99
3) Chloromethane	2.06	50	108263	19.85	ug/l	95
4) Vinyl Chloride	2.18	62	154694	18.99	ug/l	99
5) Bromomethane	2.57	94	80259	11.15	ug/l	86
6) Chloroethane	2.70	64	116183	19.79	ug/l	100
7) Trichlorofluoromethane	3.01	101	242838	20.91	ug/l	95
8) Diethyl Ether	3.41	74	70861	20.96	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141122	21.34	ug/l #	41
10) 1,1-Dichloroethene	3.74	96	126981	20.76	ug/l	84
11) Methyl Iodide	3.95	142	97905	11.01	ug/l	93
12) Methyl Acetate	4.33	43	78314	20.62	ug/l	91
13) Acrolein	3.61	56	19984m	79.87	ug/l	
14) Acrylonitrile	4.99	53	163435	96.29	ug/l #	59
15) Acetone	3.82	58	43423	103.50	ug/l	94
16) Carbon Disulfide	4.05	76	301450	18.77	ug/l	97
17) Allyl chloride	4.33	41	137705	18.97	ug/l	74
18) Methylene Chloride	4.55	84	140263	20.51	ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	140331	20.10	ug/l	84
20) Diisopropyl ether	5.95	45	318206	19.68	ug/l #	90
21) 1,1-Dichloroethane	5.85	63	227357	20.12	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	162416	19.80	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	41893	93.72	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	356561m	20.24	ug/l	
25) Chloroform	7.37	83	272995	20.37	ug/l	98
26) Cyclohexane	7.66	56	188759	19.71	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	188599	19.47	ug/l	94
30) 2-Butanone	6.84	43	182813	90.29	ug/l #	86
31) 2,2-Dichloropropane	6.83	77	210000	18.43	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	254267	19.80	ug/l	95
33) Carbon Tetrachloride	7.78	117	224123	19.29	ug/l	91
34) Benzene	8.04	78	578815	20.20	ug/l #	67
35) Methacrylonitrile	7.18	41	46042	17.31	ug/l	77
36) 1,2-Dichloroethane	8.13	62	188639m	20.55	ug/l	
37) Trichloroethene	8.84	130	176485	19.84	ug/l	97
38) Methylcyclohexane	9.08	83	238717	19.21	ug/l	79
39) 1,2-Dichloropropane	9.12	63	133612	19.80	ug/l	93
40) Dibromomethane	9.21	93	97656	19.50	ug/l	93

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Manual Integrations
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Quant Time: Oct 16 01:45:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	203171	19.64	ug/l	95
42) Vinyl Acetate	5.90	43	1091100	95.73	ug/l #	89
43) Ethyl Acetate	6.93	43	83316	18.95	ug/l #	79
44) Isopropyl Acetate	8.17	43	174691	19.89	ug/l #	73
45) 1,4-Dioxane	9.20	88	27357	387.99	ug/l #	77
46) Methyl methacrylate	9.20	41	76104	18.79	ug/l	73
47) n-amyl Acetate	12.07	43	129541m	17.62	ug/l	
48) t-1,3-Dichloropropene	10.38	75	180169	17.86	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	212667	19.12	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	137441	19.86	ug/l	96
51) Ethyl methacrylate	10.43	69	150541	19.00	ug/l	86
52) 1,3-Dichloropropane	10.71	76	210996	19.76	ug/l	98
53) Dibromochloromethane	10.90	129	157539	18.40	ug/l	95
54) 1,2-Dibromoethane	11.01	107	141107	19.43	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	320251	94.56	ug/l #	92
56) Bromoform	12.13	173	95705	16.95	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	448182	101.13	ug/l #	87
59) 2-Hexanone	10.75	43	274014	91.65	ug/l #	90
61) Tetrachloroethene	10.63	164	171247	20.22	ug/l	96
62) Toluene	10.16	91	696253	21.16	ug/l	98
64) Chlorobenzene	11.43	112	432852	20.09	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	164550	19.90	ug/l	99
66) Ethyl Benzene	11.51	91	720956	19.83	ug/l	98
67) m/p-Xylenes	11.62	106	570626	38.71	ug/l	99
68) o-Xylene	11.95	106	285175	19.62	ug/l	90
69) Styrene	11.96	104	425225	19.07	ug/l	97
70) Isopropylbenzene	12.25	105	761425	19.65	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	156383	20.43	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	128894m	21.41	ug/l	
73) Bromobenzene	12.53	156	184276	19.20	ug/l	83
74) n-propylbenzene	12.59	91	806869	19.36	ug/l	96
75) 2-Chlorotoluene	12.67	91	478265	19.57	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	624680	19.49	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30574	15.35	ug/l	98
78) 4-Chlorotoluene	12.77	91	443954	18.49	ug/l	91
79) tert-butylbenzene	12.99	119	581854	19.74	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	627568	19.59	ug/l	98
81) sec-Butylbenzene	13.17	105	750160	19.46	ug/l	96
82) p-Isopropyltoluene	13.29	119	656763	19.04	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316800	18.70	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289433	18.15	ug/l	98
85) n-Butylbenzene	13.62	91	479184	18.42	ug/l	96
86) Hexachloroethane	13.87	117	104131	17.51	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	313502	19.12	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21839	19.11	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.91	180	121569	18.96	ug/l	99
90) Hexachlorobutadiene	15.01	225	101871	19.28	ug/l	97
91) Naphthalene	15.13	128	238143	19.15	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	133701	17.92	ug/l	93

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ALS Vial : 12 Sample Multiplier: 28

Instrument :
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ClientSampleId :
VN1015WBSD01

Manual Integrations
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Quant Time: Oct 16 01:45:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
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QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

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

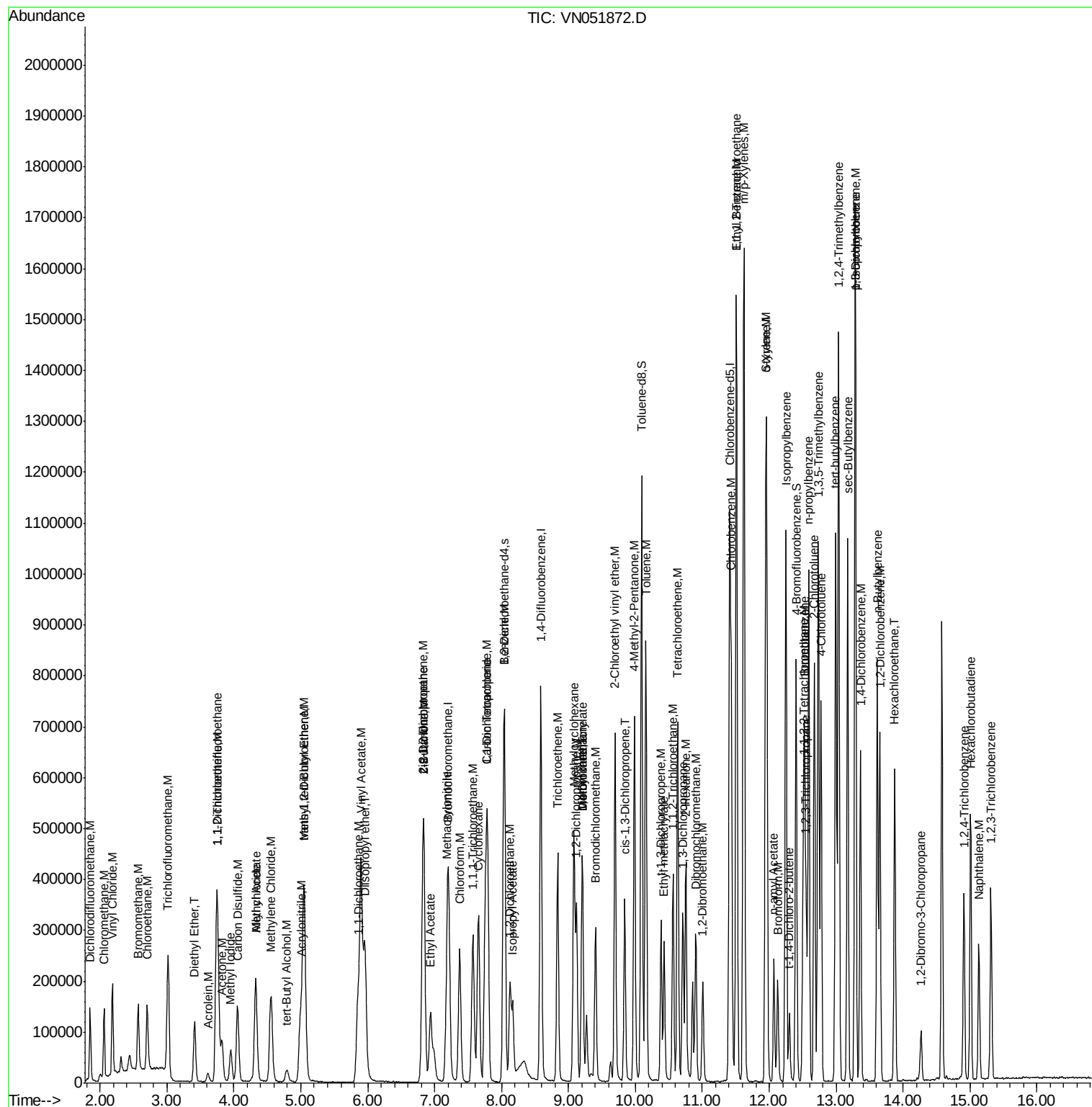
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
Data File : VN051872.D
Acq On : 15 Oct 2018 14:22
Operator : MD\SY
Sample : VN1015WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 28

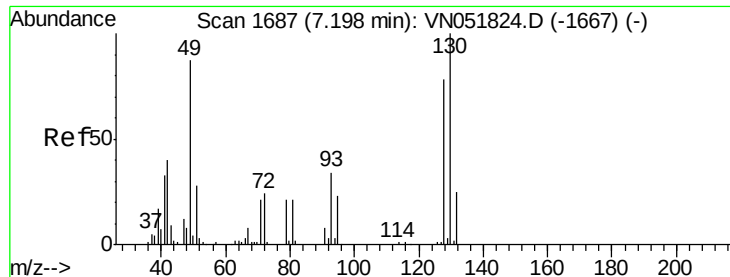
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Manual Integrations
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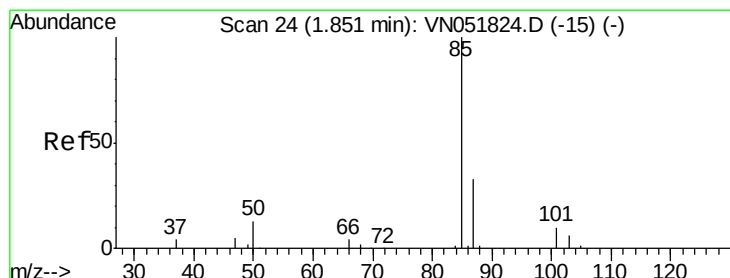
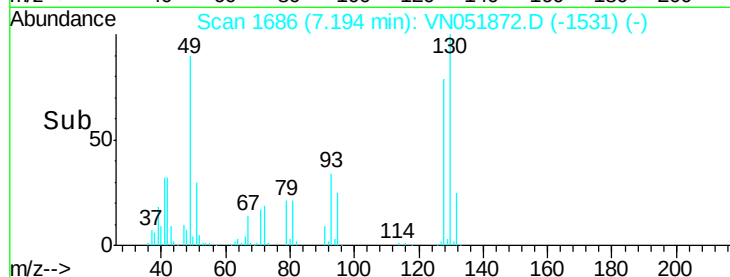
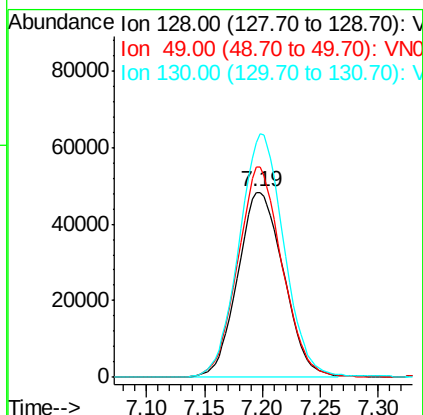
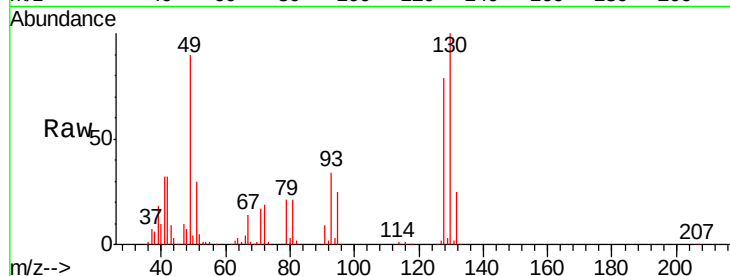
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	132827		
49	110.3	0.0	403.3	
130	129.0	0.0	326.0	

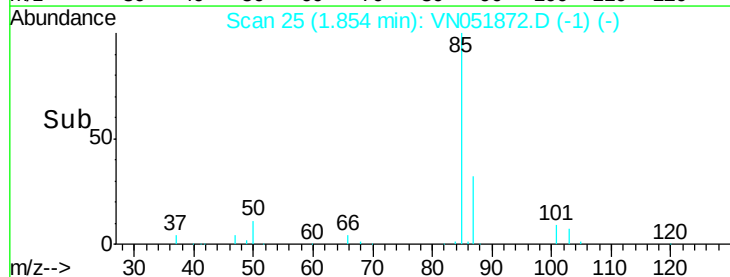
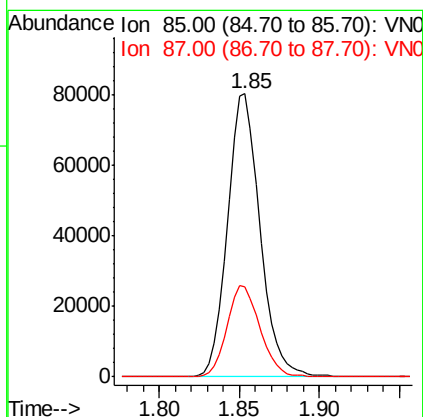
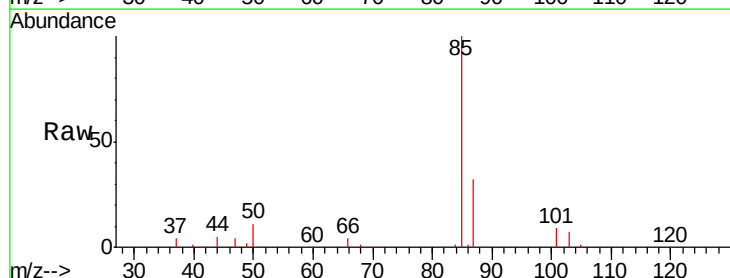
Manual Integrations
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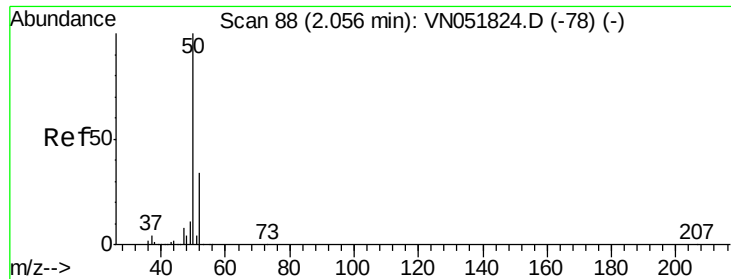
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#2
 Dichlorodifluoromethane
 Concen: 21.59 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	111421		
87	31.9	16.3	48.8	





#3

Chloromethane

Concen: 19.85 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 50 Resp: 108263

Ion Ratio Lower Upper

50 100

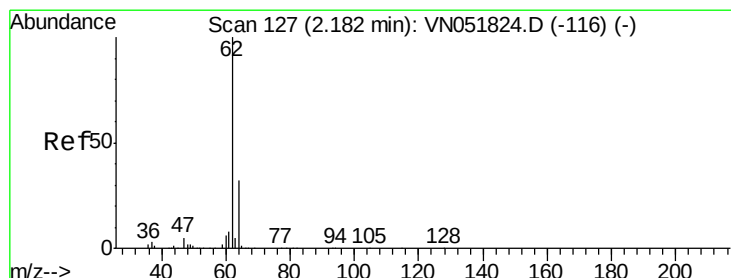
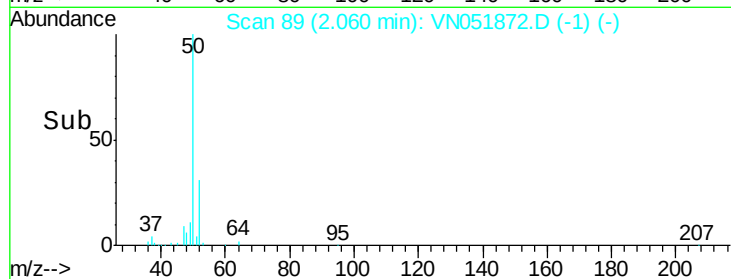
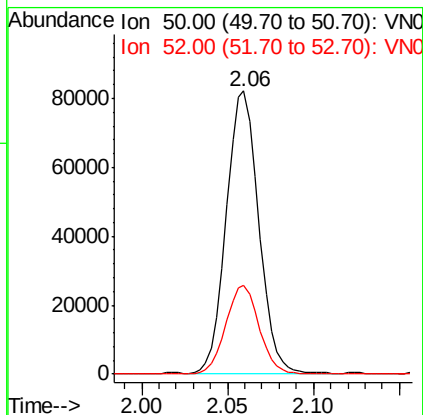
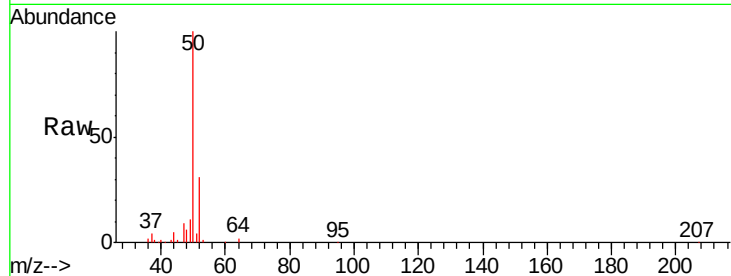
52 31.4 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.99 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051872.D

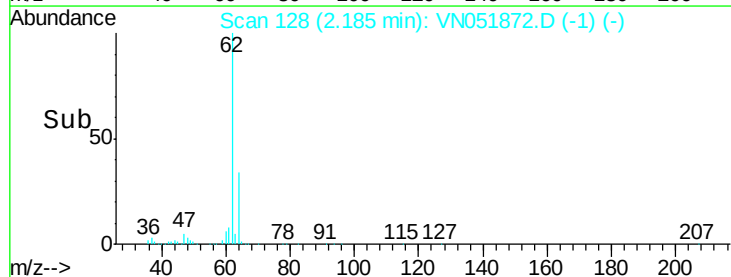
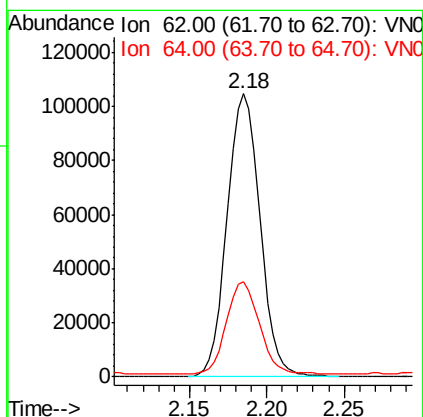
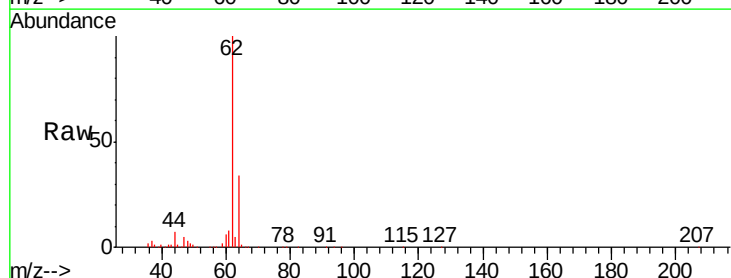
Acq: 15 Oct 2018 14:22

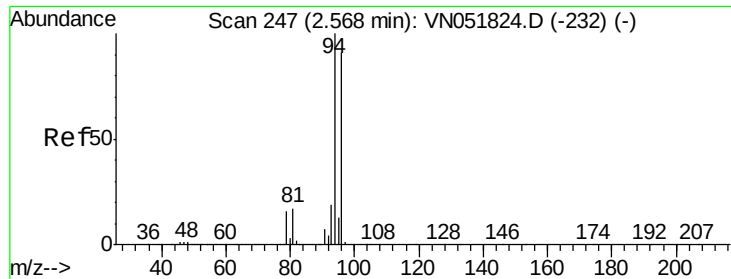
Tgt Ion: 62 Resp: 154694

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 11.15 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 94 Resp: 80259

Ion Ratio Lower Upper

94 100

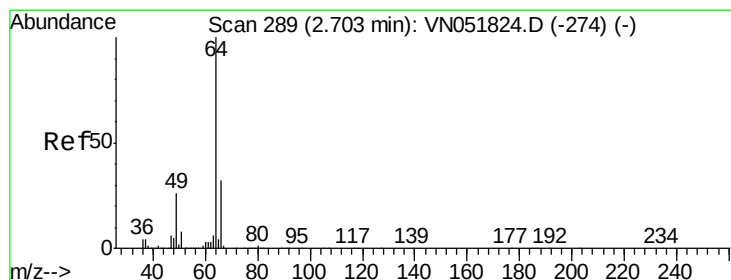
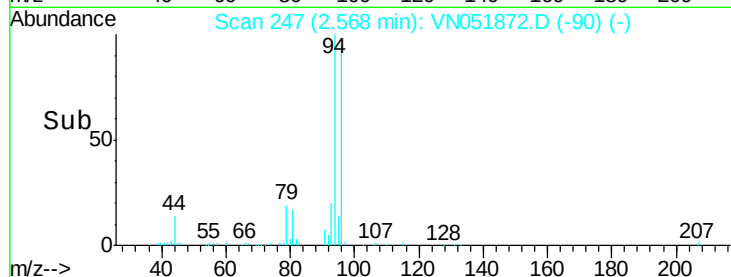
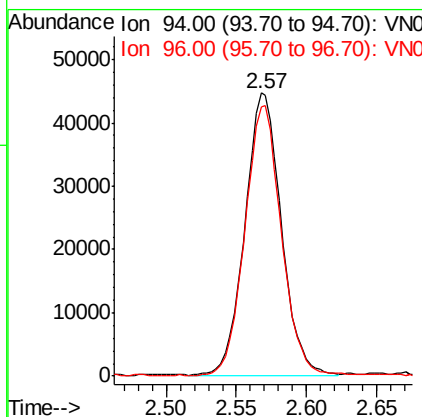
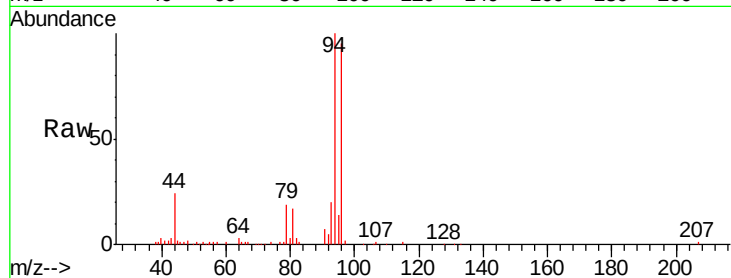
96 95.7 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 19.79 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051872.D

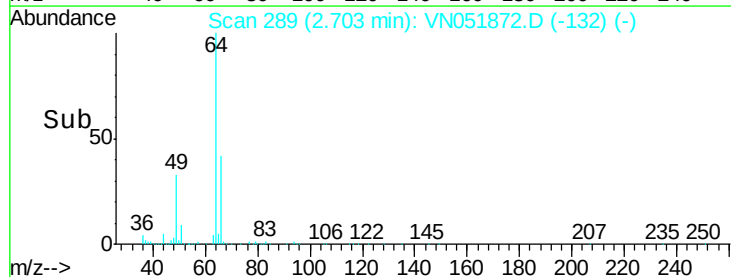
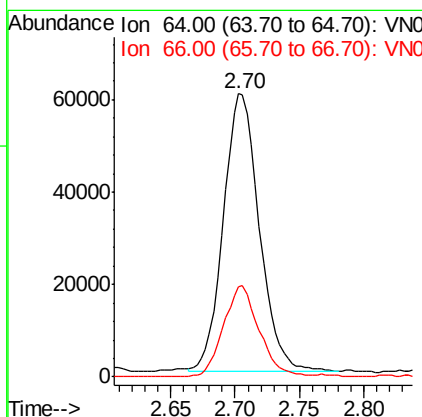
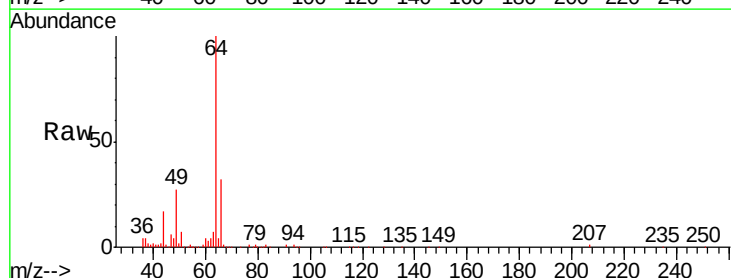
Acq: 15 Oct 2018 14:22

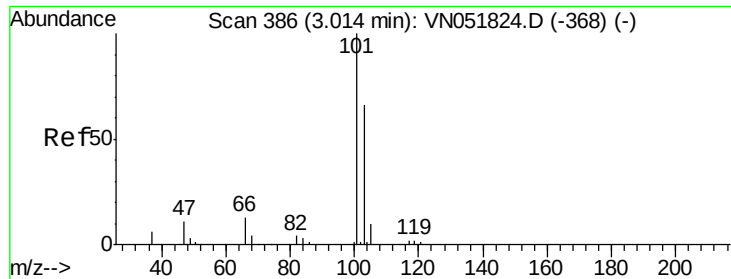
Tgt Ion: 64 Resp: 116183

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6





#7

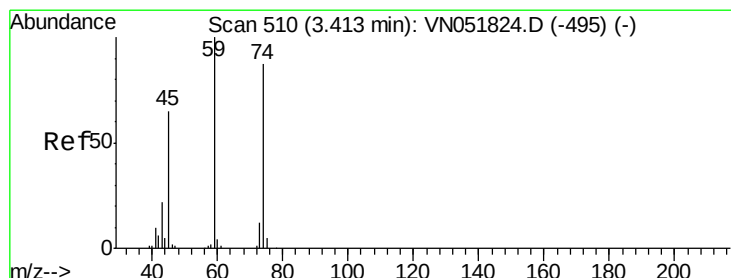
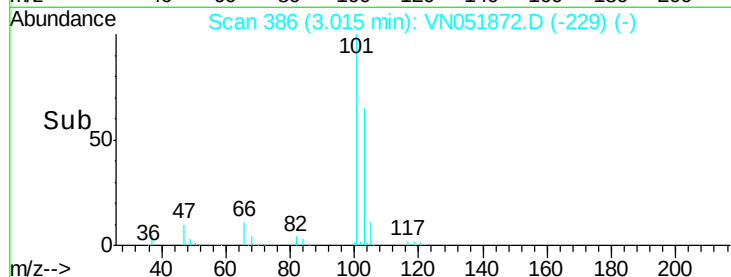
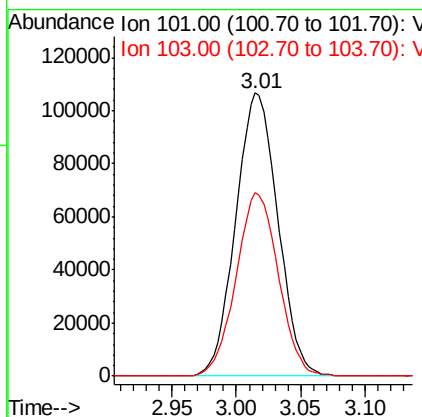
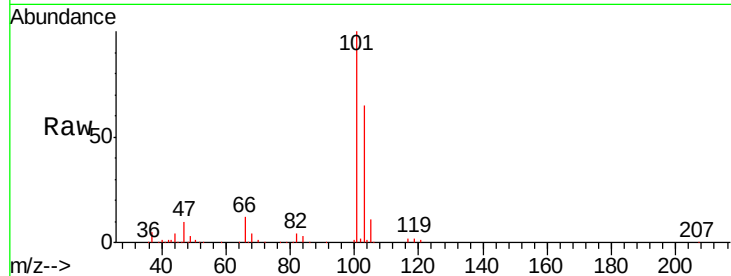
Trichlorofluoromethane
 Concen: 20.91 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	54.8	82.2

Manual Integrations
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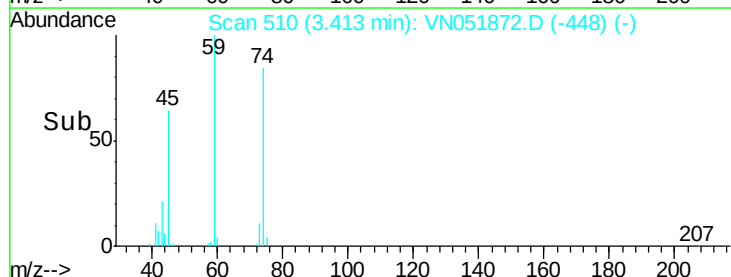
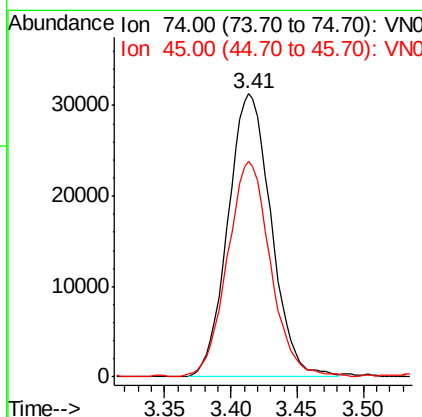
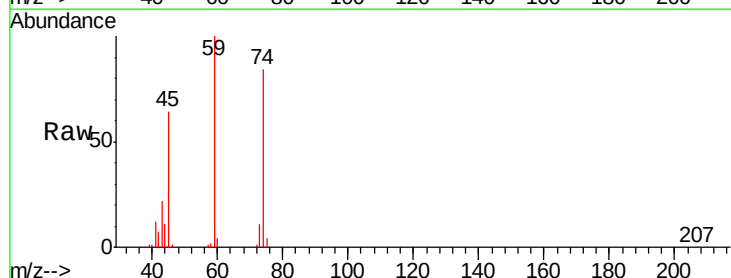
MMDadoda
 10/16/2018 3:56:36 PM

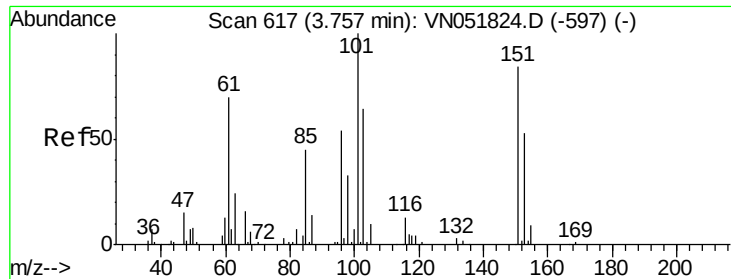


#8

Diethyl Ether
 Concen: 20.96 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.8	20.7	186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.34 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

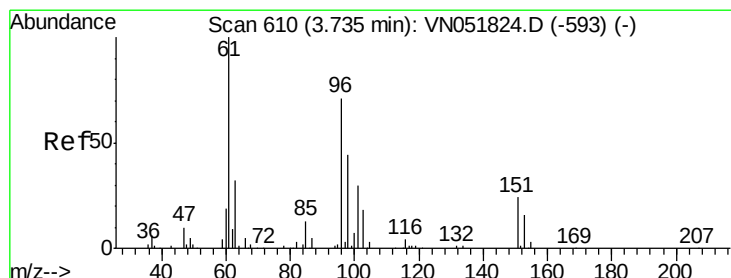
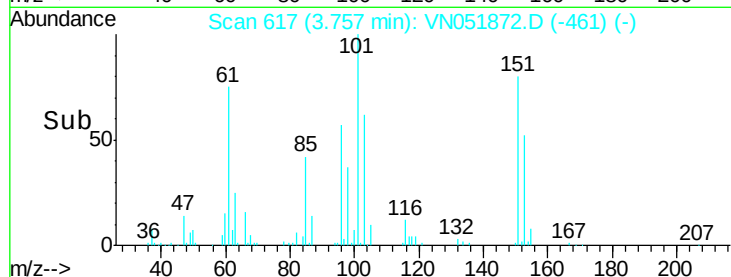
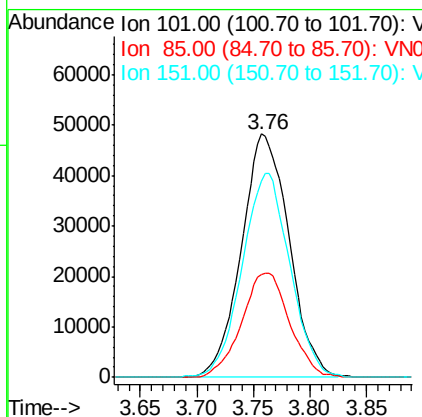
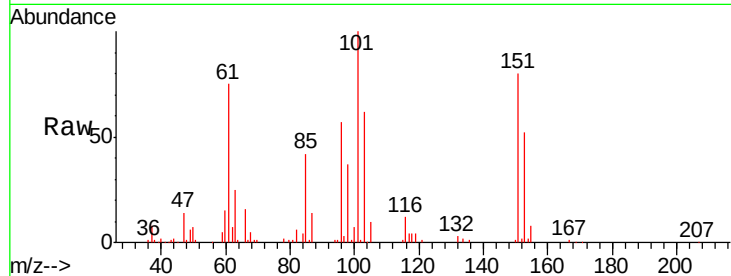
ClientSampleId :

VN1015WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.1	0.0	46.0
151	84.0	0.0	82.2#

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.76 ug/l

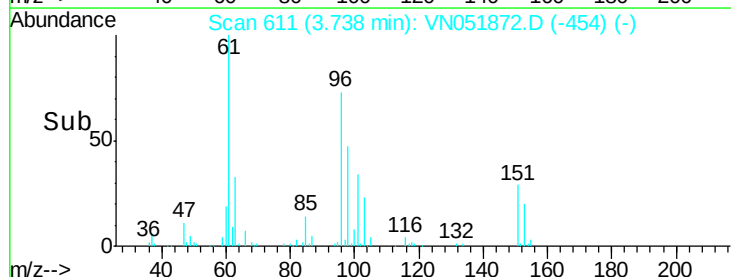
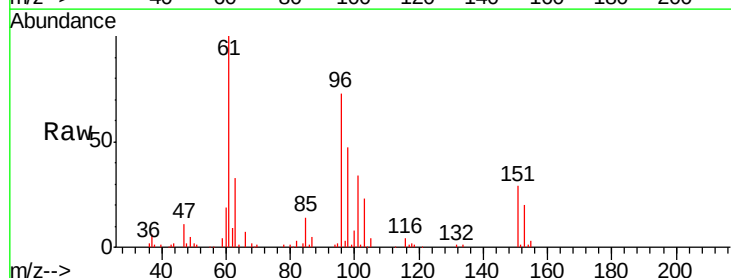
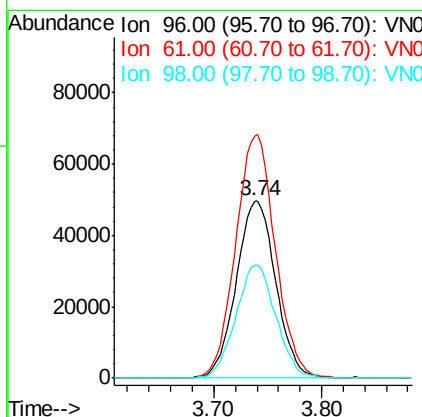
RT: 3.74 min Scan# 611

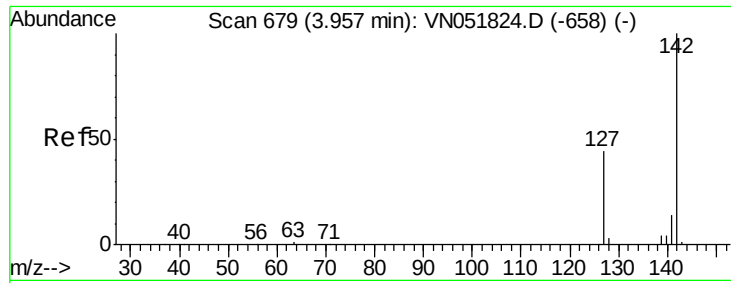
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	136.9	133.0	199.6
98	64.1	52.6	78.8





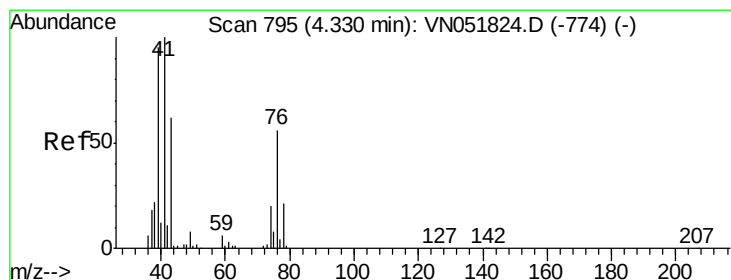
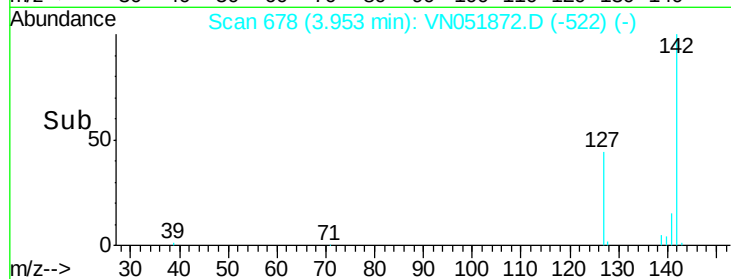
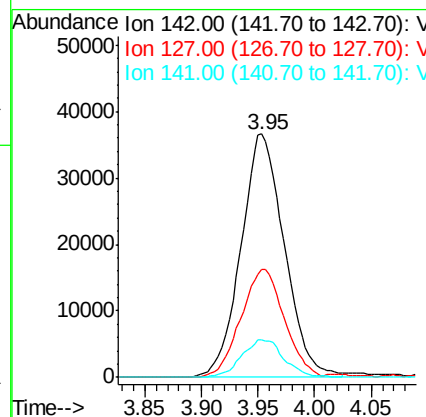
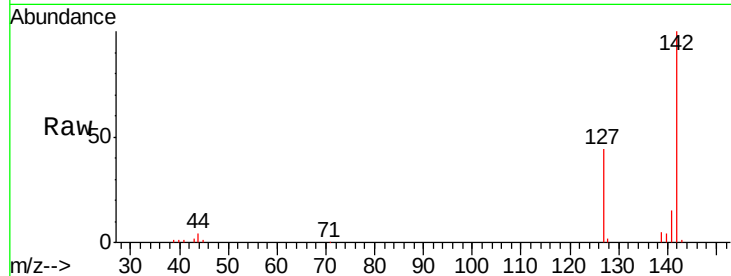
#11
Methyl Iodide
Concen: 11.01 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.9	19.7	59.0
141	15.3	6.3	18.9

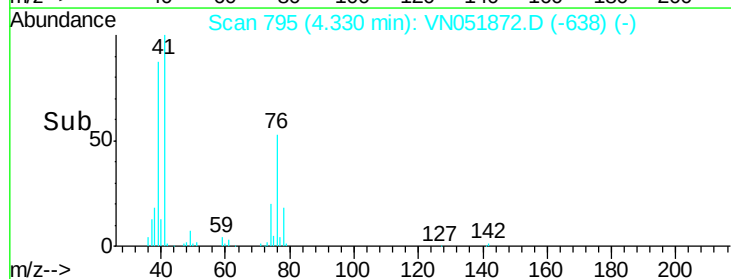
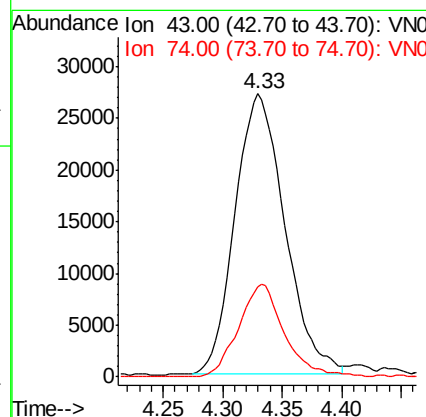
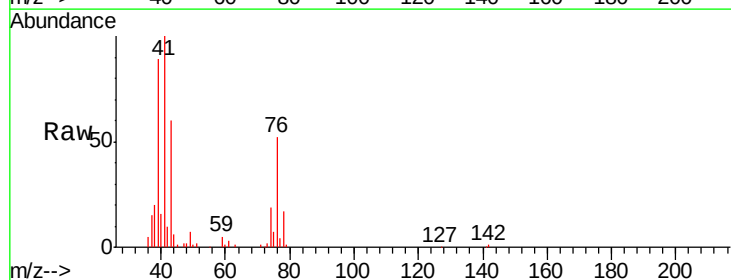
Manual Integrations
APPROVED

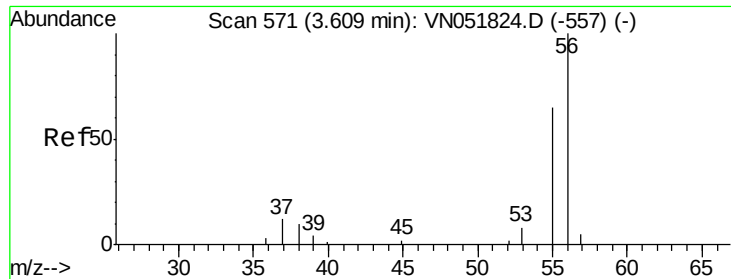
MMDadoda
10/16/2018 3:56:36 PM



#12
Methyl Acetate
Concen: 20.62 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.9	21.8	32.6





#13

Acrolein

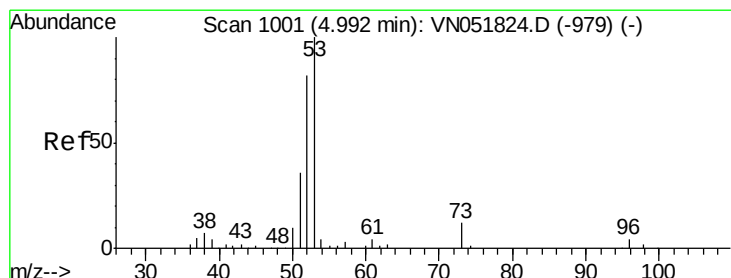
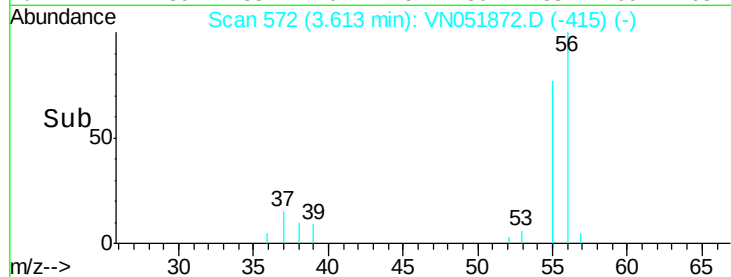
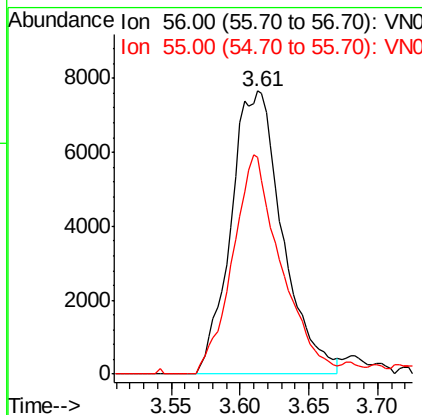
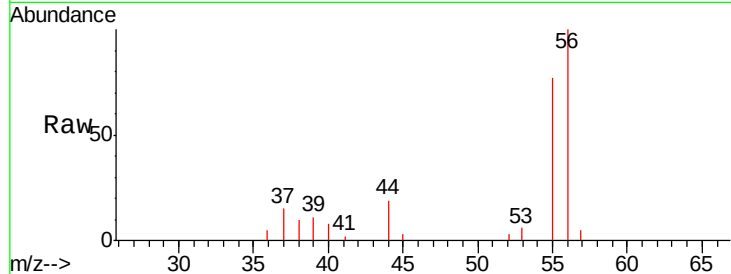
Concen: 79.87 ug/l m
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion: 56 Resp: 19984
Ion Ratio Lower Upper
56 100
55 72.7 64.0 96.0

Manual Integrations
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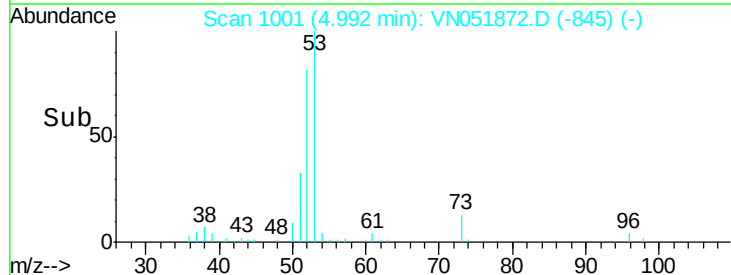
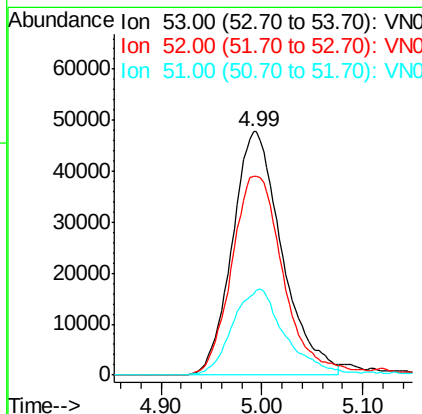
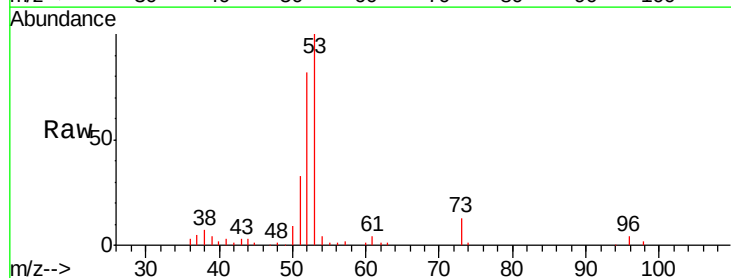


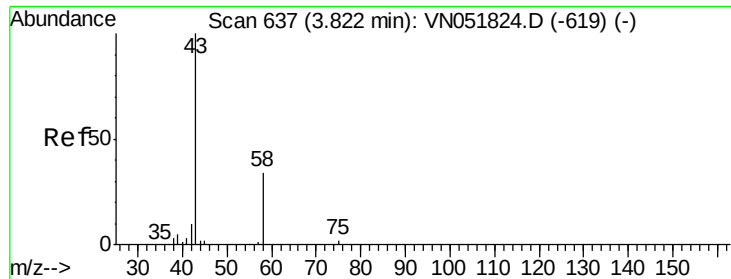
#14

Acrylonitrile

Concen: 96.29 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 53 Resp: 163435
Ion Ratio Lower Upper
53 100
52 84.7 18.3 54.8#
51 37.5 19.7 59.1





#15

Acetone

Concen: 103.50 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 58 Resp: 43423

Ion Ratio Lower Upper

58 100

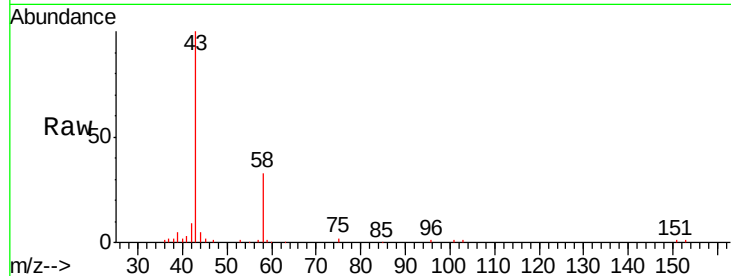
43 302.3 232.2 348.2

Manual Integrations

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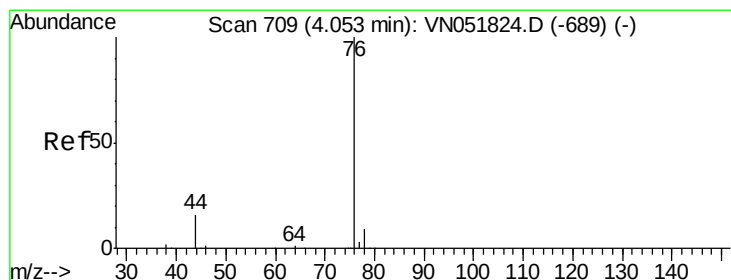
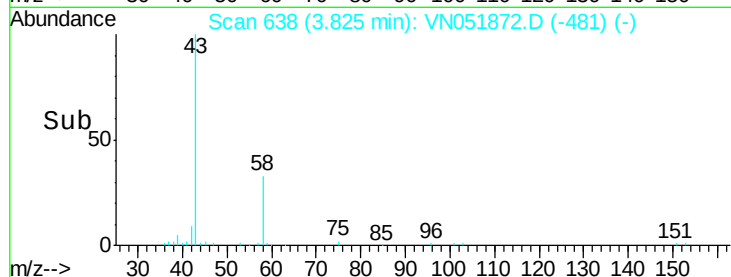
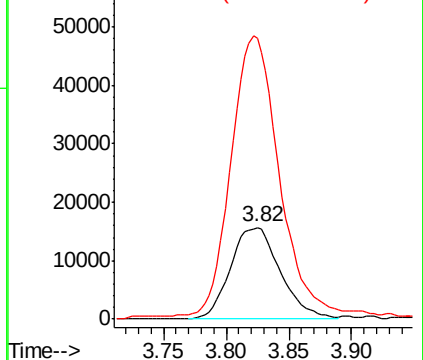
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.77 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051872.D

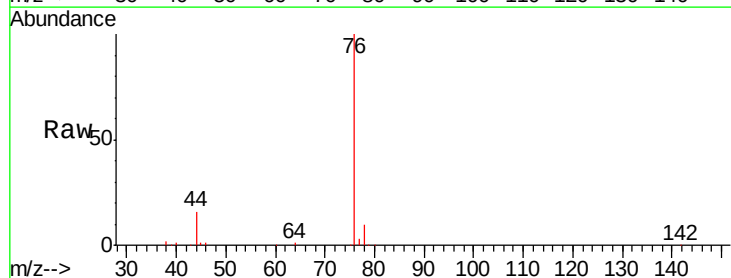
Acq: 15 Oct 2018 14:22

Tgt Ion: 76 Resp: 301450

Ion Ratio Lower Upper

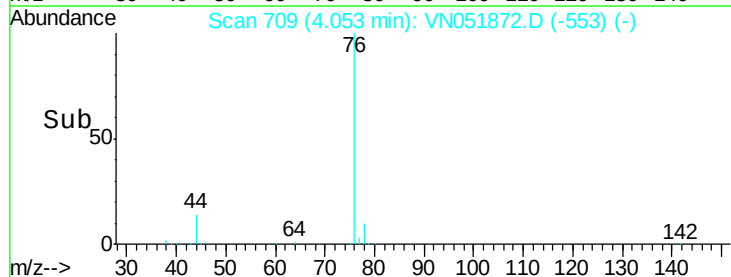
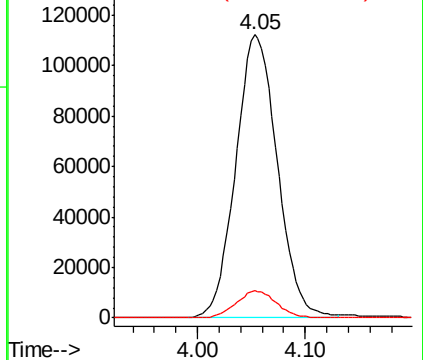
76 100

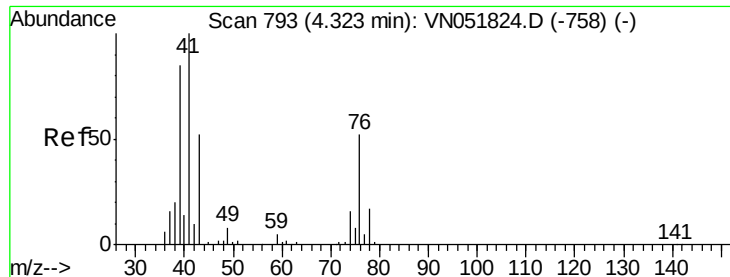
78 9.6 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





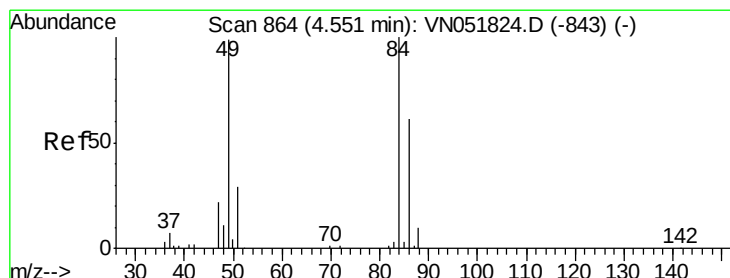
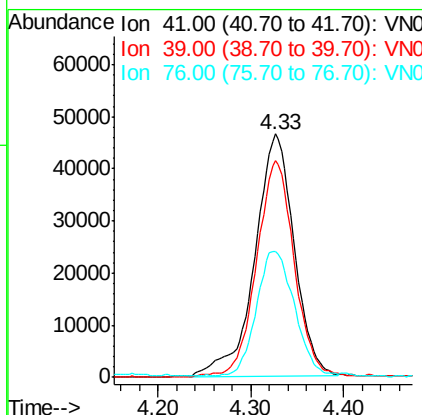
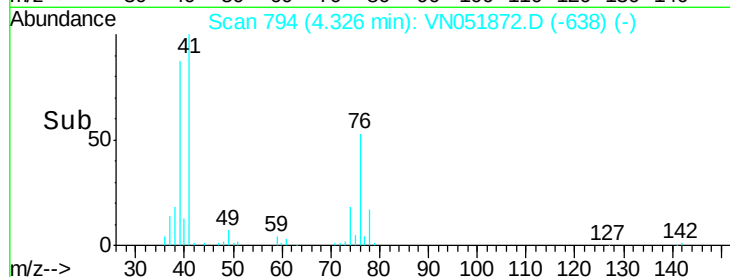
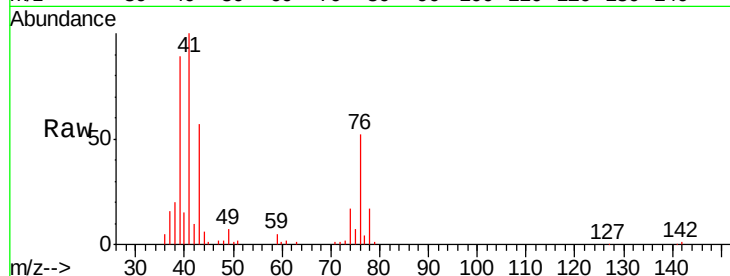
#17
 Allyl chloride
 Concen: 18.97 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	89.3	32.6	97.8
76	51.2	20.2	60.5

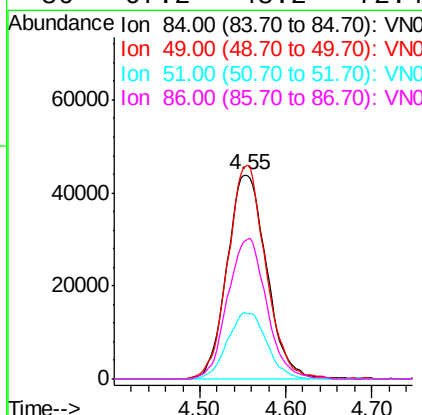
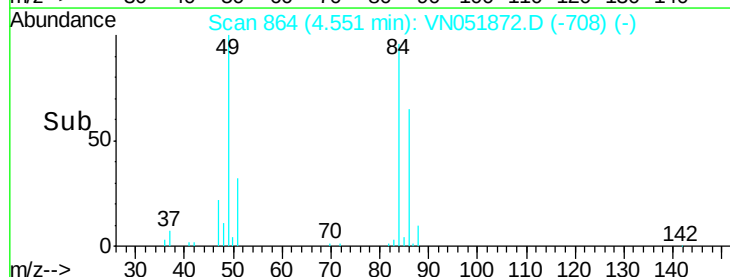
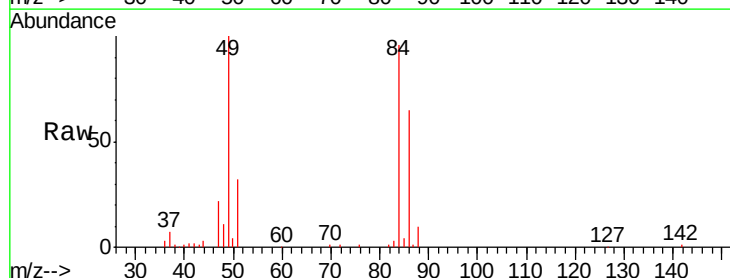
Manual Integrations
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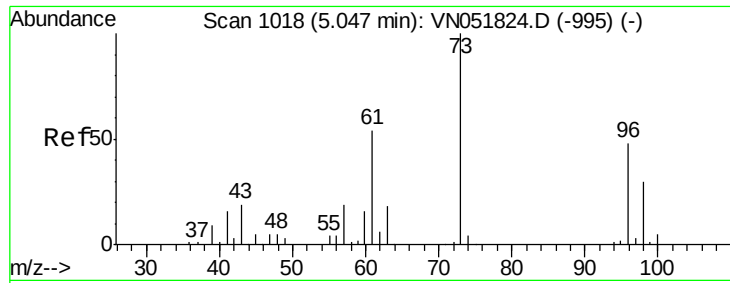
MMDadoda
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#18
 Methylene Chloride
 Concen: 20.51 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.7	91.6	137.4
51	32.7	29.8	44.6
86	67.2	48.2	72.4





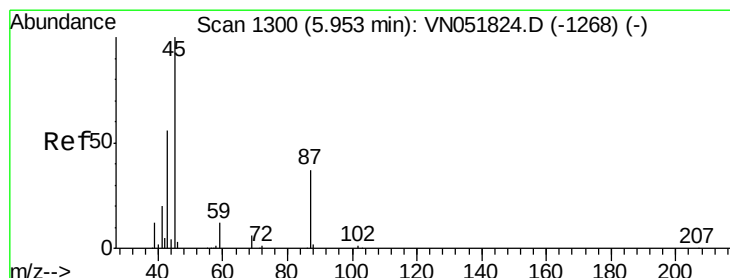
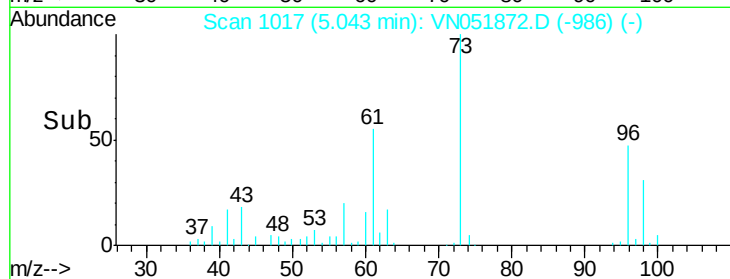
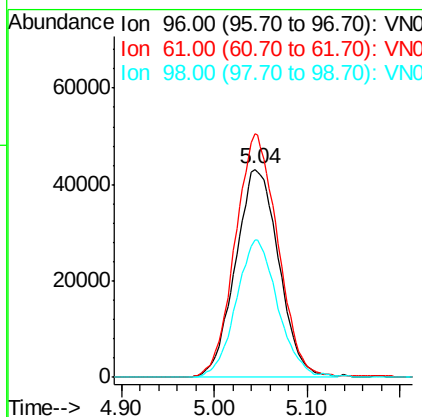
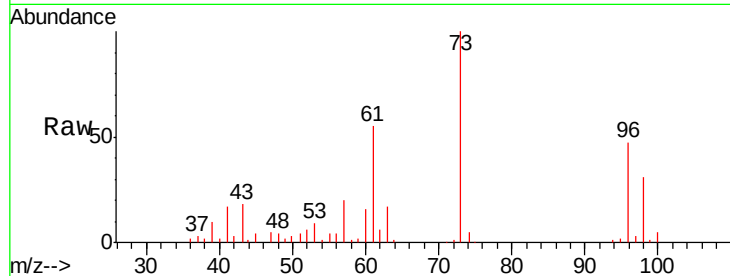
#19
trans-1,2-Dichloroethene
Concen: 20.10 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.1	112.3	168.5
98	66.0	47.1	70.7

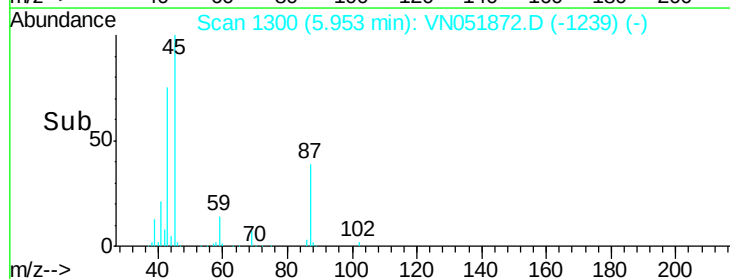
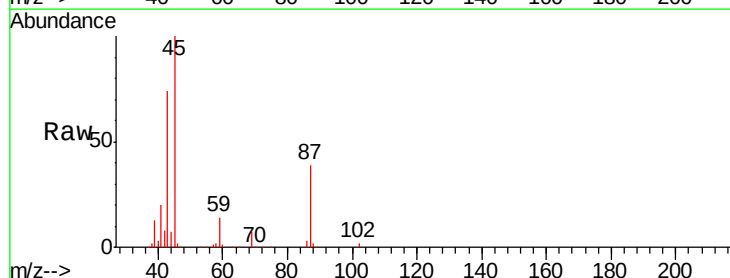
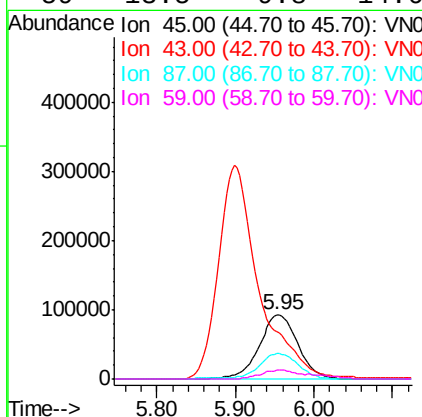
Manual Integrations
APPROVED

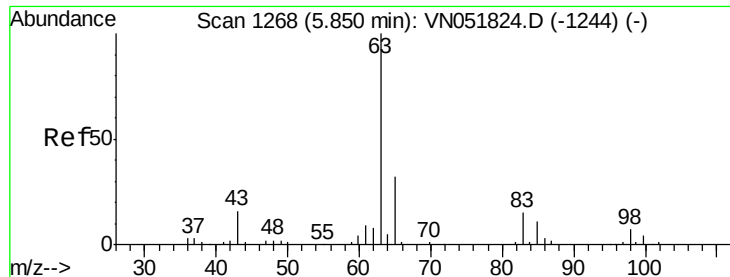
MMDadoda
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#20
Diisopropyl ether
Concen: 19.68 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.6	62.1	93.1
87	38.7	19.9	29.9
59	13.5	9.8	14.6





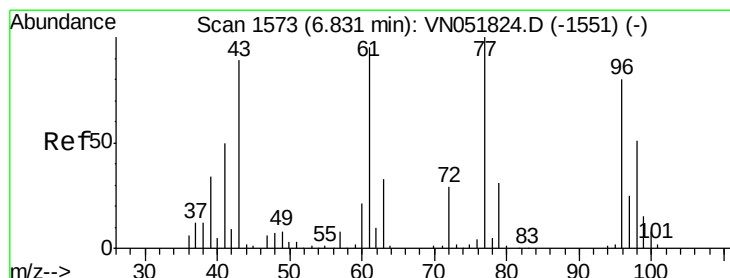
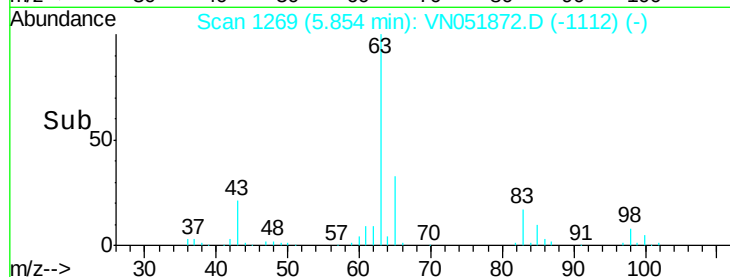
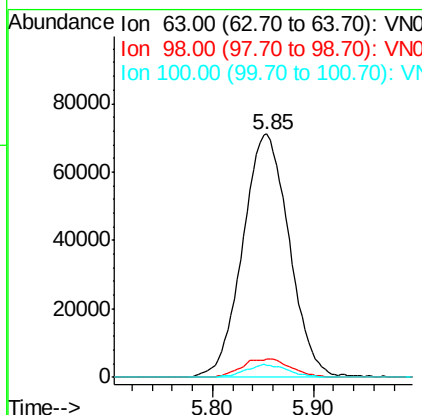
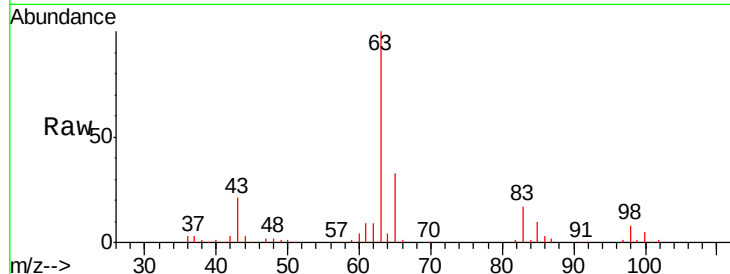
#21
 1,1-Dichloroethane
 Concen: 20.12 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	7.7	4.1	12.3
100	5.0	1.6	4.7

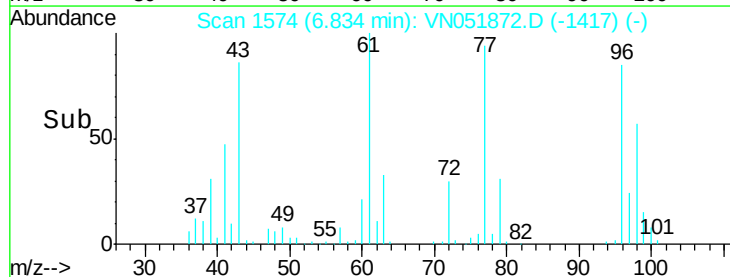
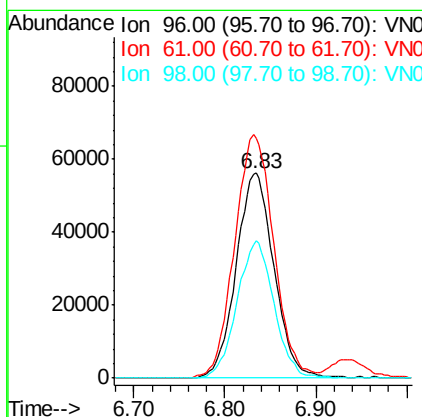
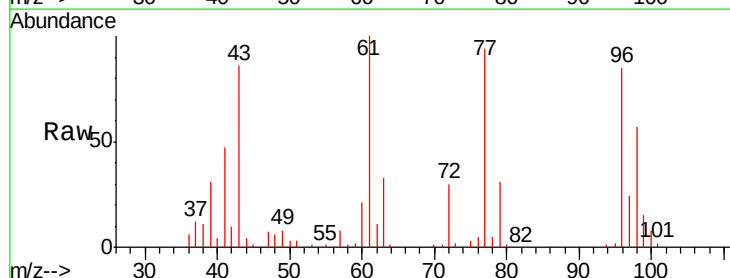
Manual Integrations
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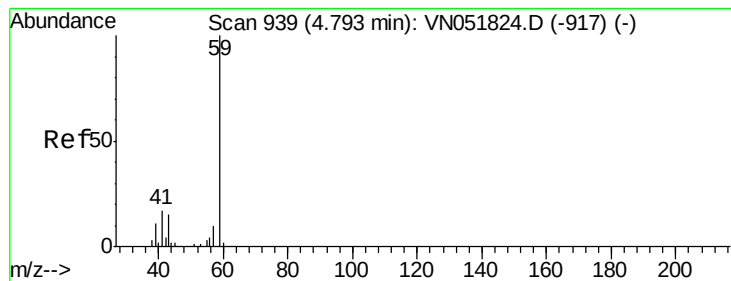
MMDadoda
 10/16/2018 3:56:36 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.80 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	123.0	124.5	186.7
98	65.3	51.9	77.9





#23

tert-Butyl Alcohol

Concen: 93.72 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 59 Resp: 41893

Ion Ratio Lower Upper

59 100

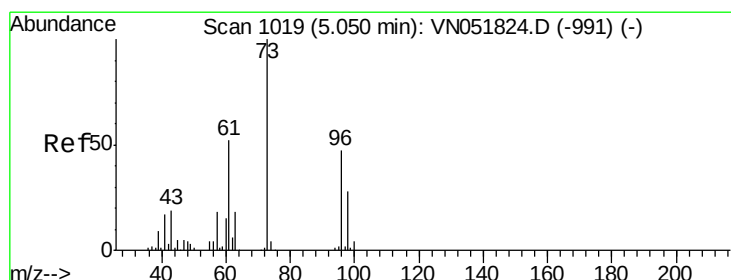
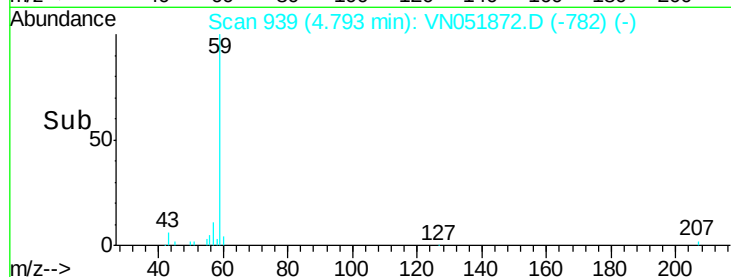
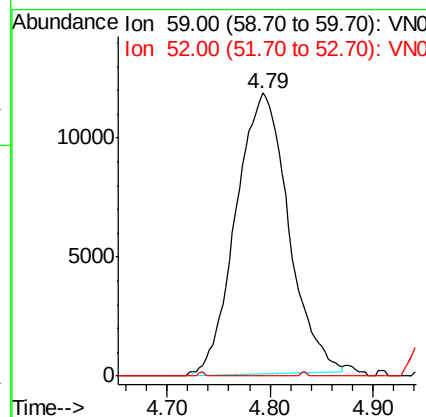
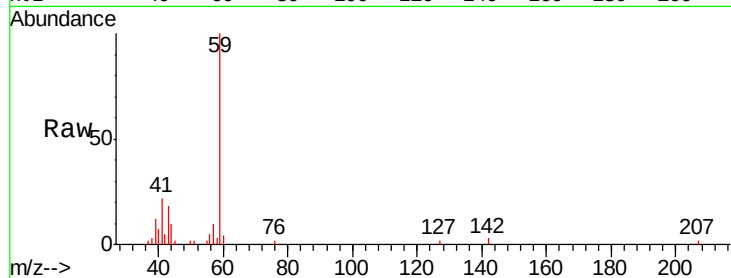
52 0.2 0.0 0.0#

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 20.24 ug/l m

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051872.D

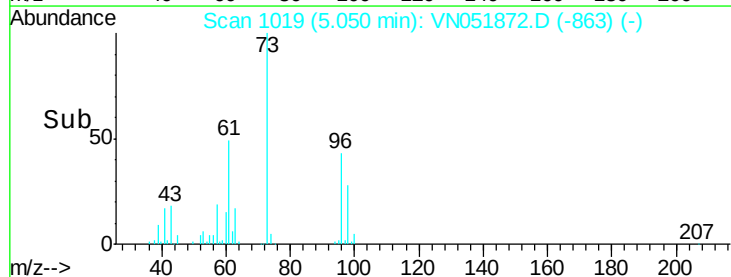
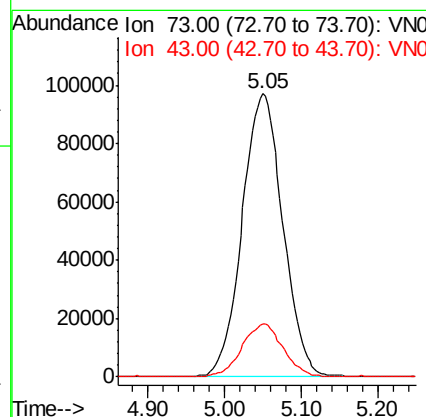
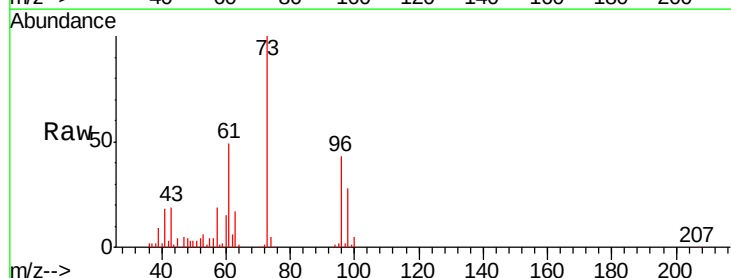
Acq: 15 Oct 2018 14:22

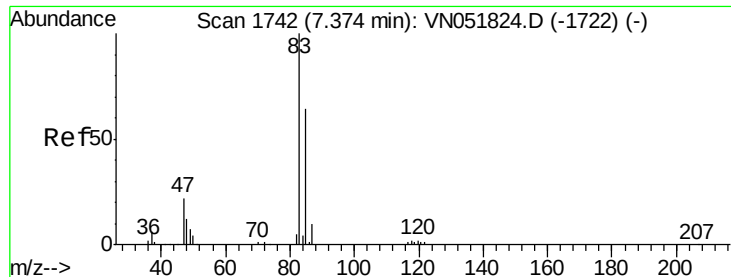
Tgt Ion: 73 Resp: 356561

Ion Ratio Lower Upper

73 100

43 0.0 5.4 8.0#





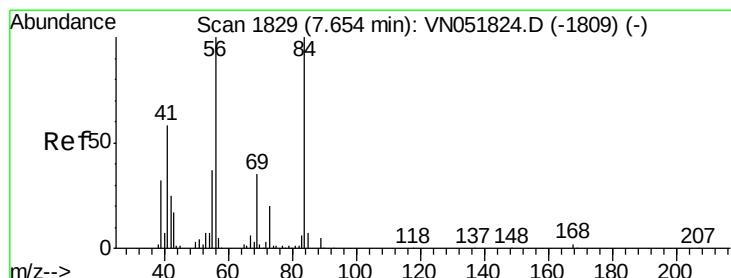
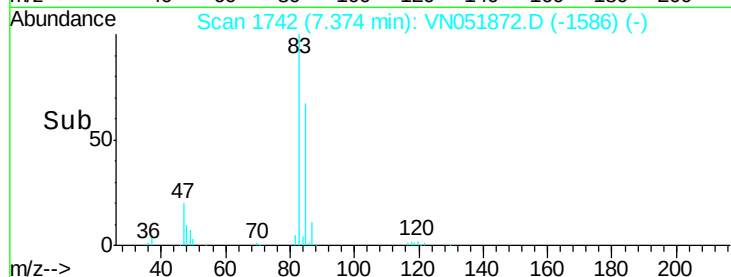
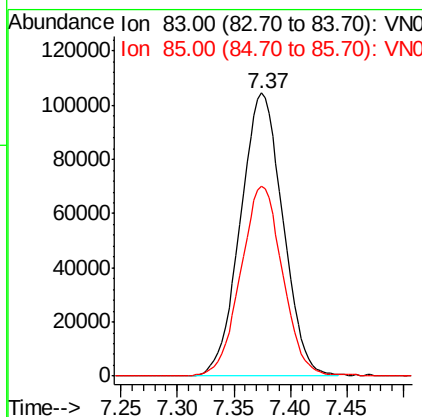
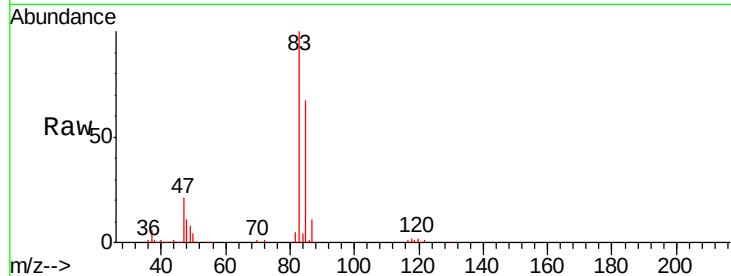
#25
Chloroform
Concen: 20.37 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.6	82.0

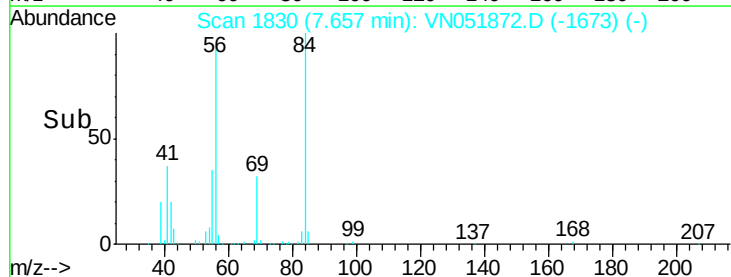
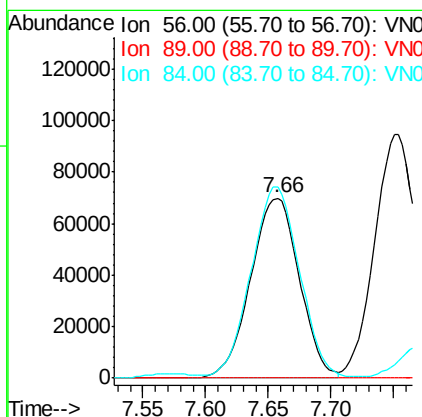
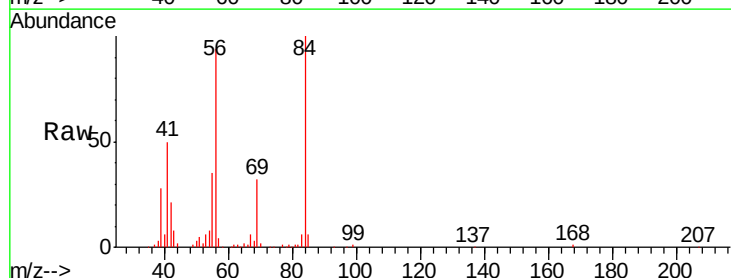
Manual Integrations
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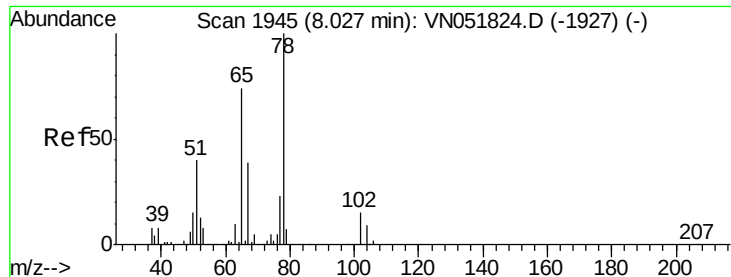
MMDadoda
10/16/2018 3:56:36 PM



#26
Cyclohexane
Concen: 19.71 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	1.5	2.3#
84	104.2	64.2	96.4#





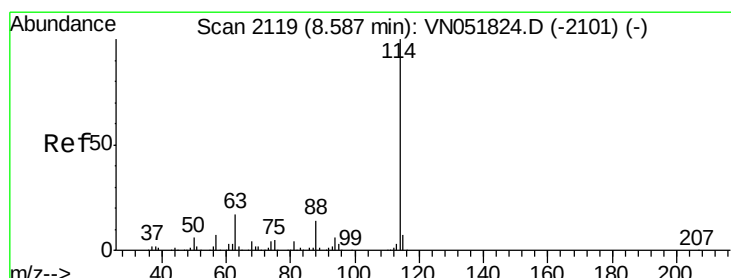
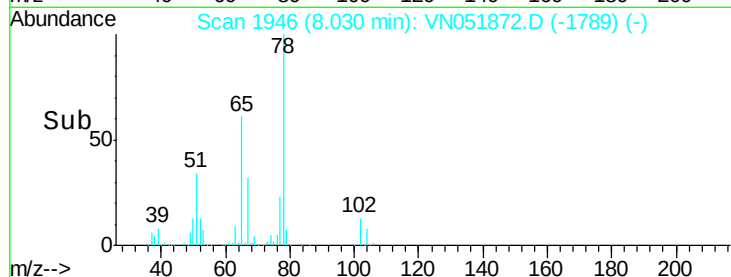
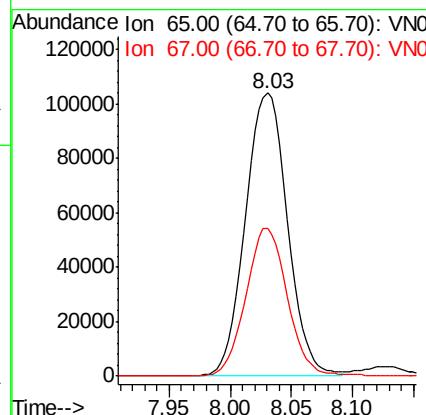
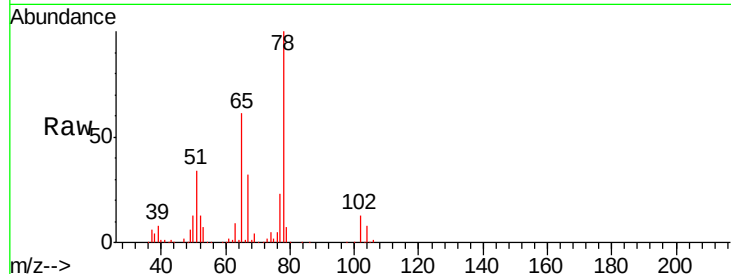
#27
 1,2-Dichloroethane-d4
 Concen: 19.71 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.1	41.8	62.8

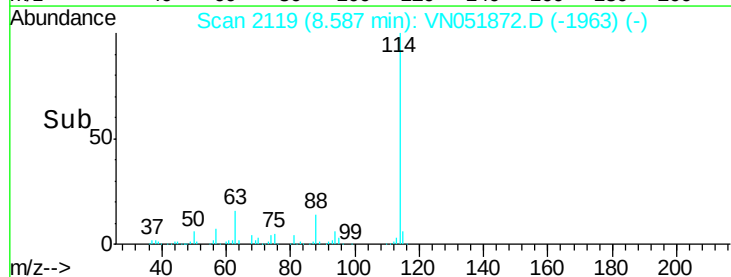
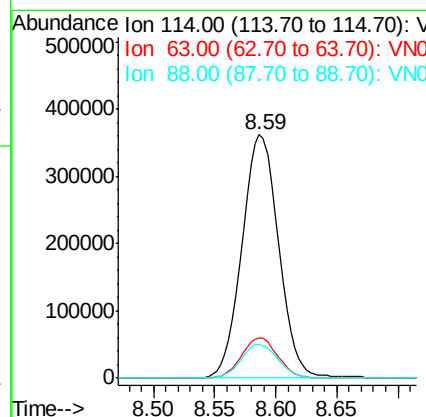
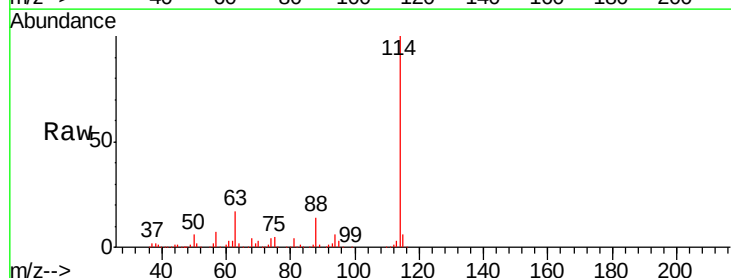
Manual Integrations
 APPROVED

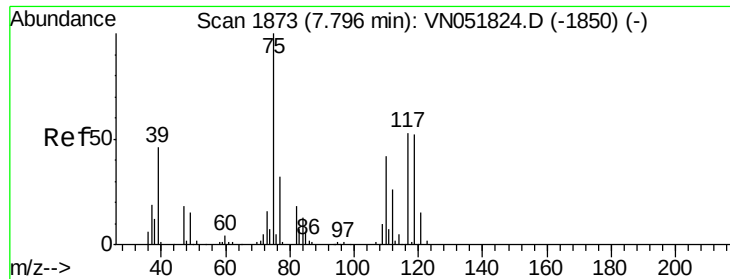
MMDadoda
 10/16/2018 3:56:36 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	16.2	24.2
88	14.2	12.2	18.4





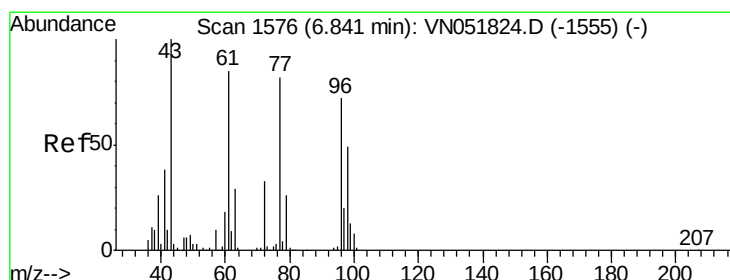
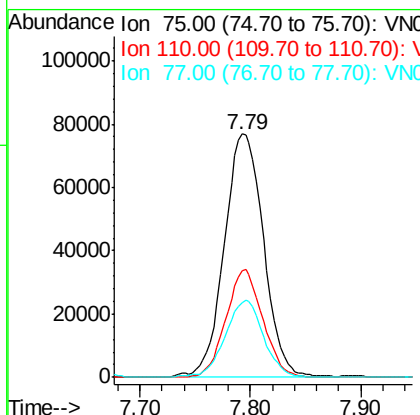
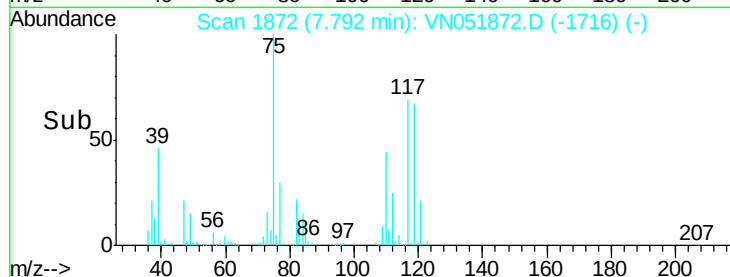
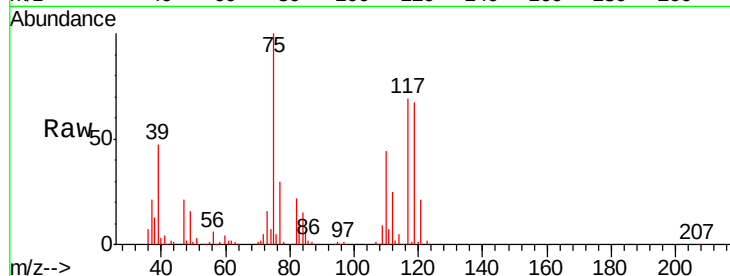
#29
 1,1-Dichloropropene
 Concen: 19.47 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	41.7	0.0	70.8
77	31.1	0.0	61.6

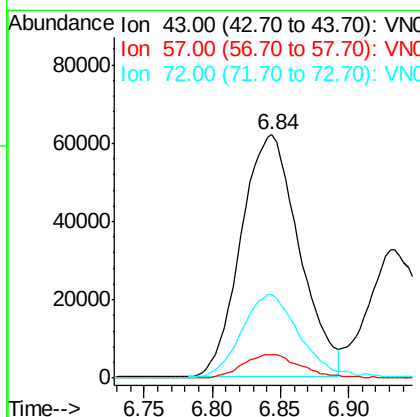
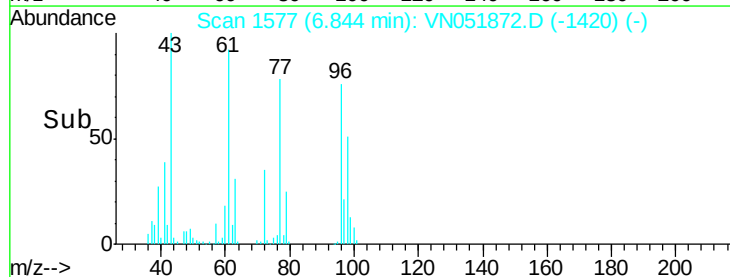
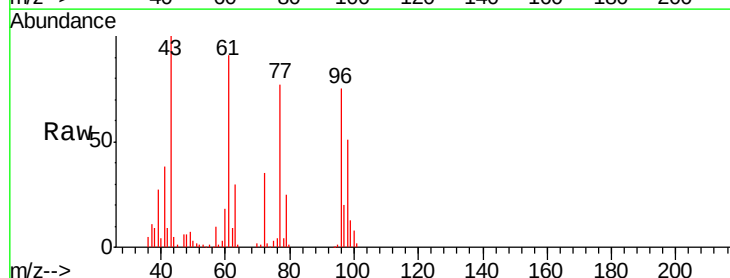
Manual Integrations
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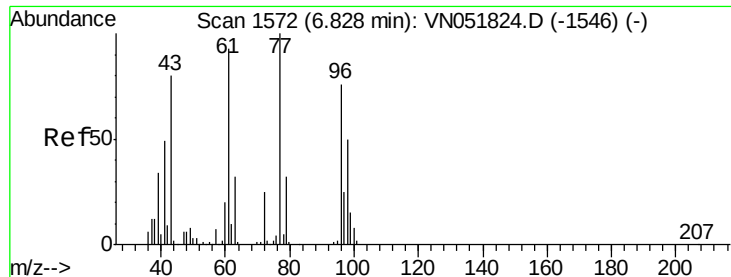
MMDadoda
 10/16/2018 3:56:36 PM



#30
 2-Butanone
 Concen: 90.29 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	9.8	4.5	6.7#
72	34.0	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 18.43 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 77 Resp: 210000

Ion Ratio Lower Upper

77 100

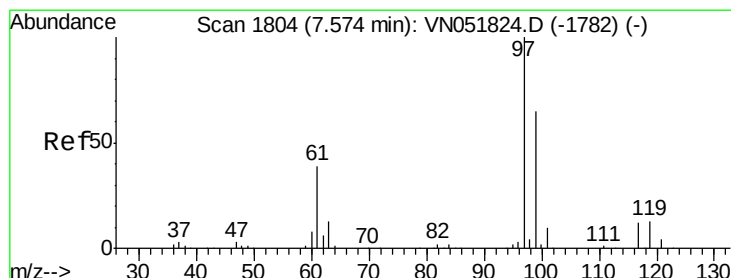
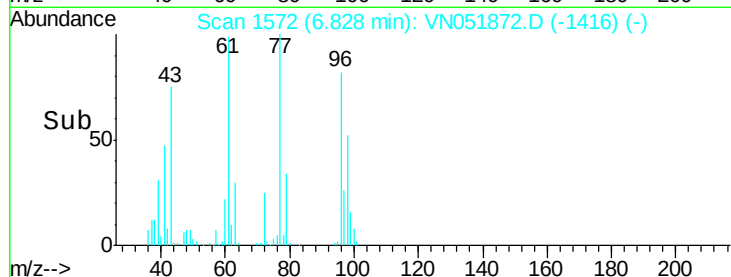
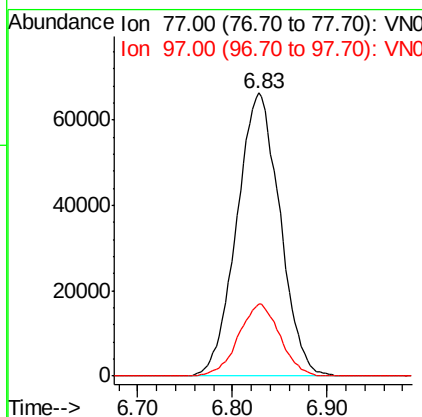
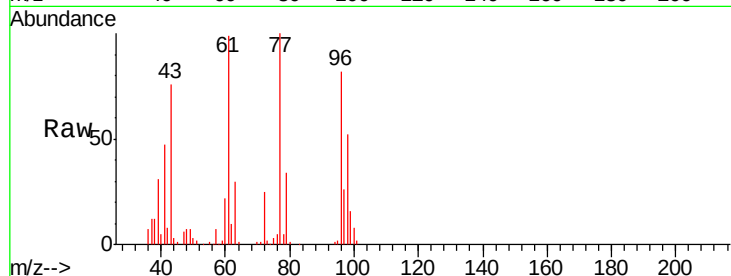
97 24.5 12.0 18.0#

Manual Integrations

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10/16/2018 3:56:36 PM



#32

1,1,1-Trichloroethane

Concen: 19.80 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

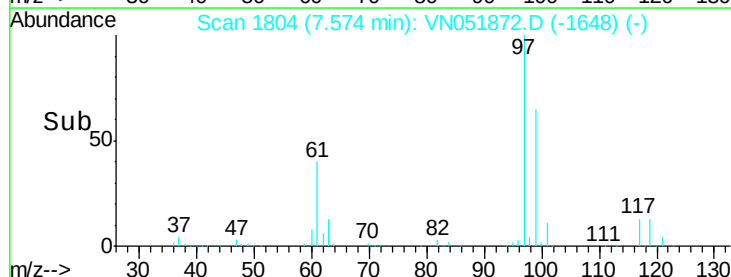
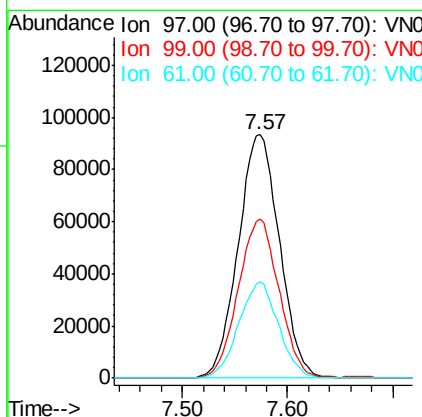
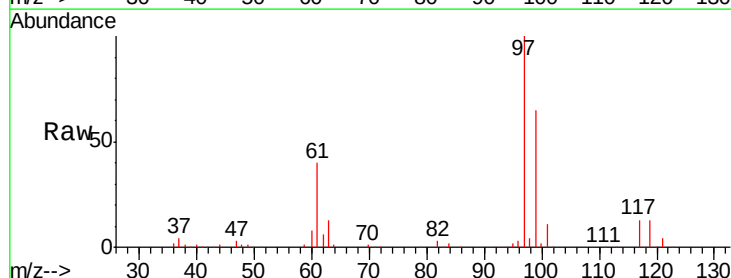
Tgt Ion: 97 Resp: 254267

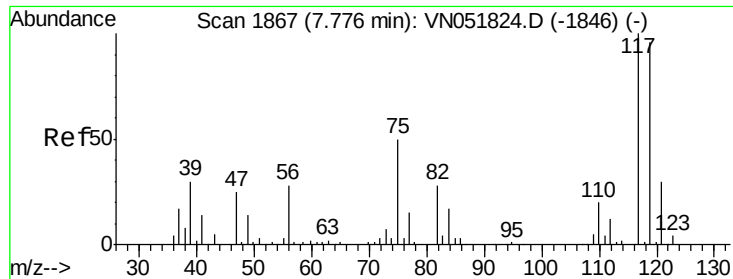
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 38.1 37.4 56.0





#33

Carbon Tetrachloride

Concen: 19.29 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

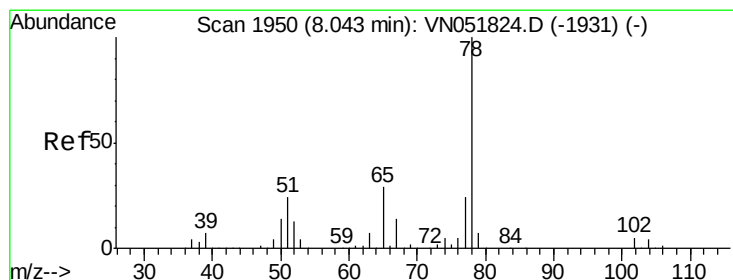
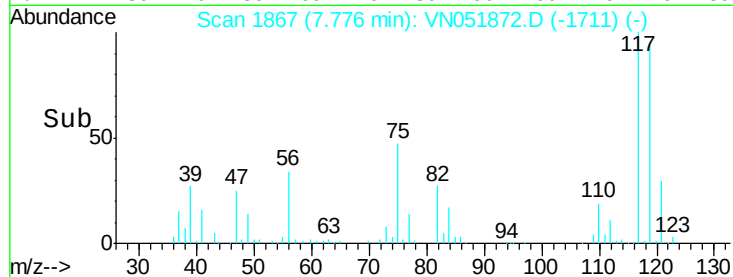
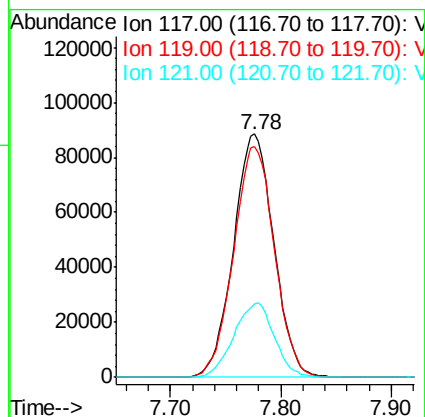
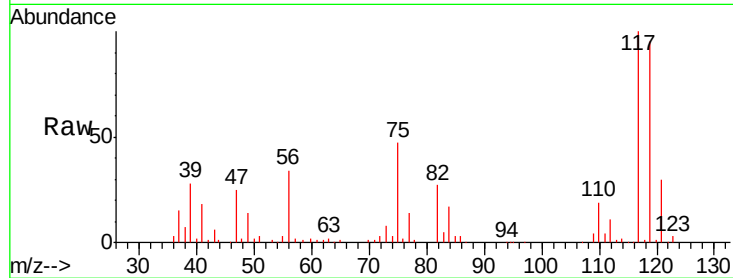
ClientSampleId :

VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	85.1	127.7
121	30.0	24.2	36.2

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#34

Benzene

Concen: 20.20 ug/l

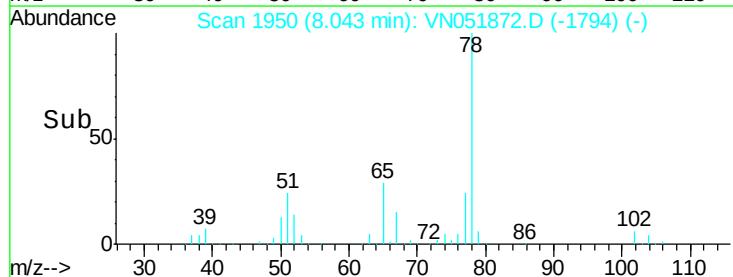
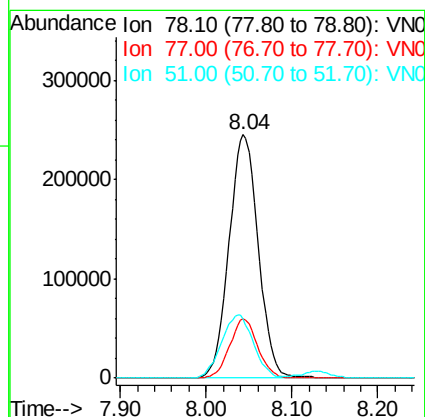
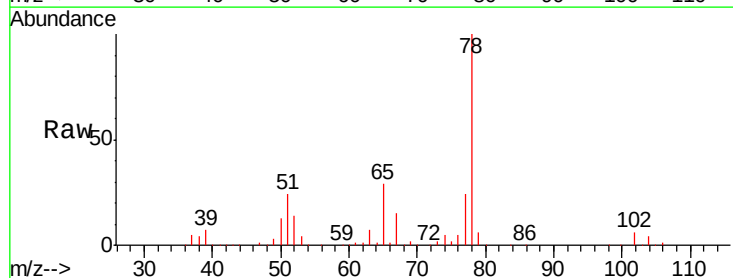
RT: 8.04 min Scan# 1950

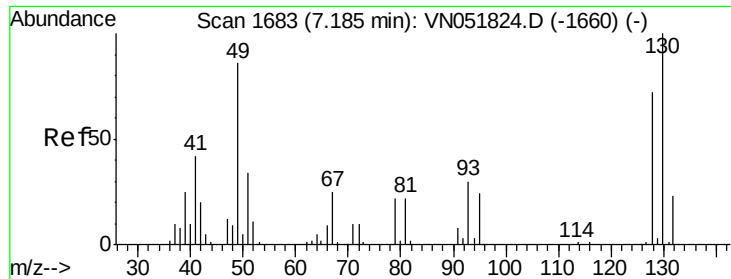
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2
51	24.2	46.2	69.4#





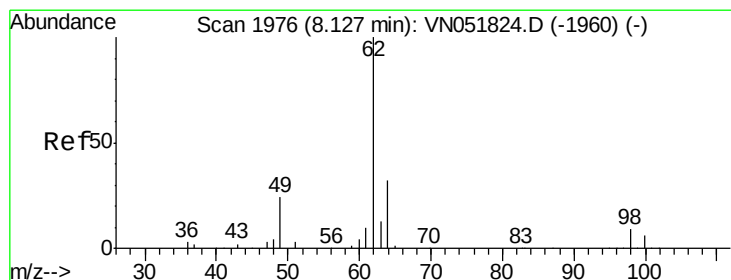
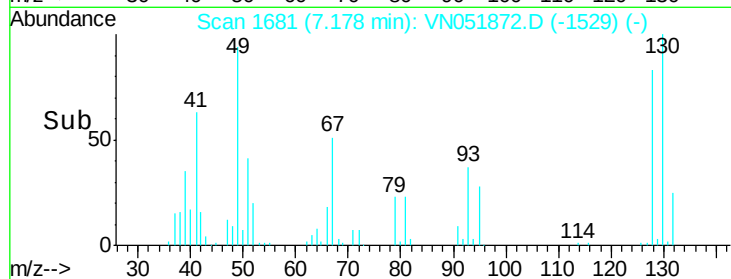
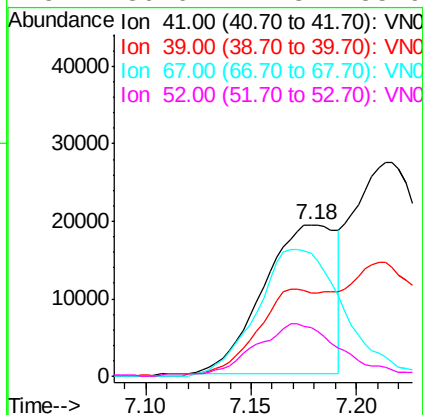
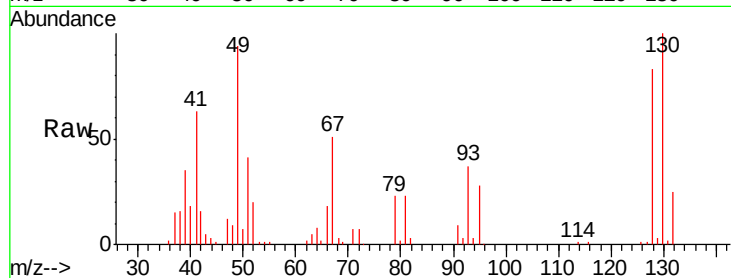
#35
Methacrylonitrile
Concen: 17.31 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.9	22.6	67.7
67	82.3	28.9	86.8
52	30.6	11.3	33.9

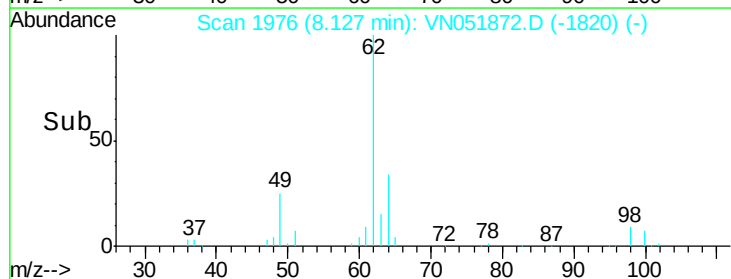
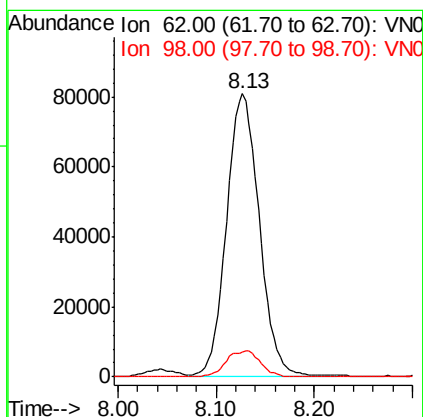
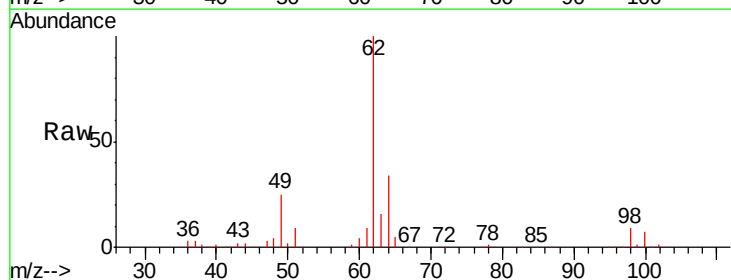
Manual Integrations
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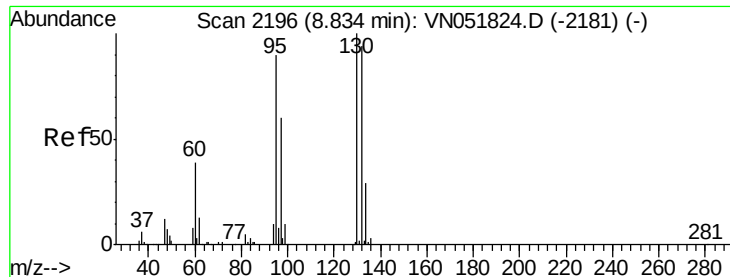
MMDadoda
10/16/2018 3:56:36 PM



#36
1,2-Dichloroethane
Concen: 20.55 ug/l m
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.9	10.3#





#37

Trichloroethene

Concen: 19.84 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 130 Resp: 176485

Ion Ratio Lower Upper

130 100

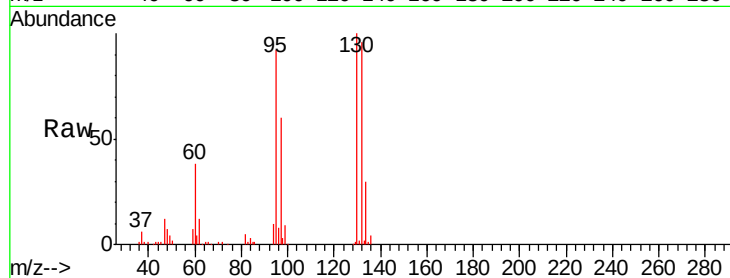
95 92.2 76.4 114.6

Manual Integrations

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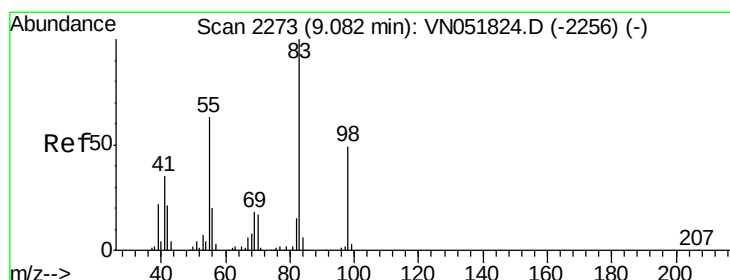
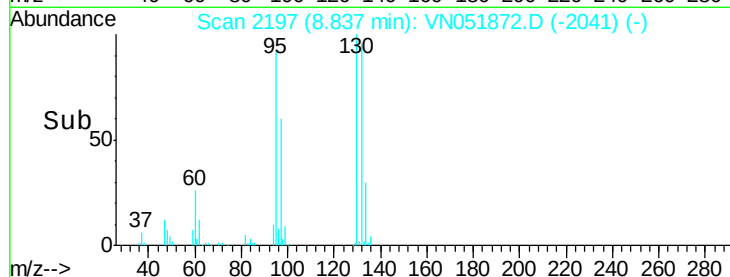
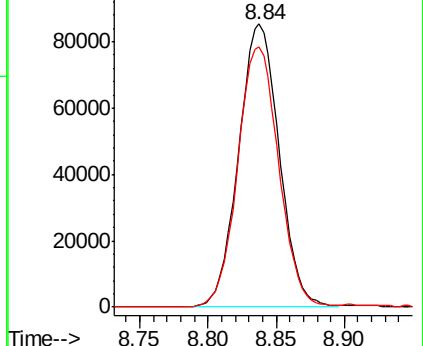
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Abundance Ion 129.90 (129.60 to 130.60): VN051872.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN051872.D (-2041) (-)



#38

Methylcyclohexane

Concen: 19.21 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

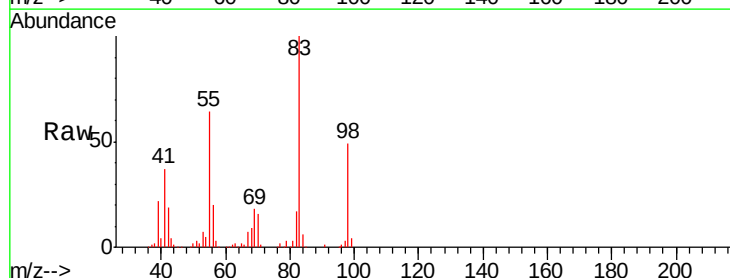
Tgt Ion: 83 Resp: 238717

Ion Ratio Lower Upper

83 100

55 62.2 43.0 129.2

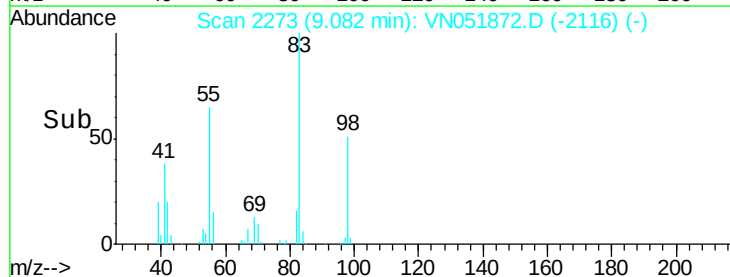
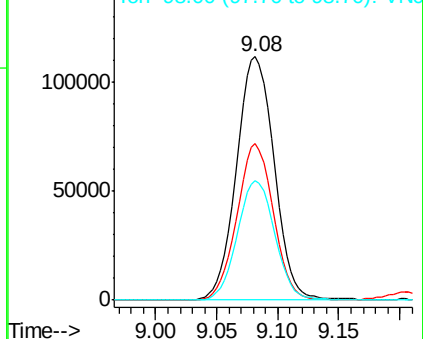
98 48.8 21.3 63.7

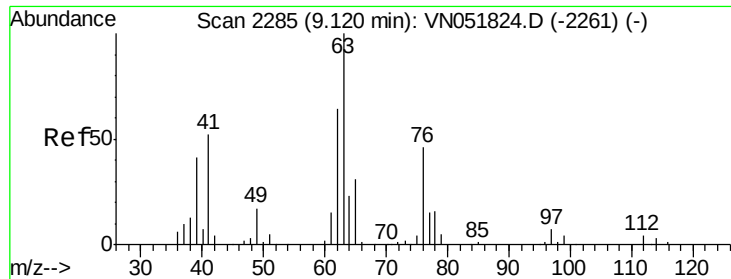


Abundance Ion 83.00 (82.70 to 83.70): VN051872.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN051872.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN051872.D (-2116) (-)





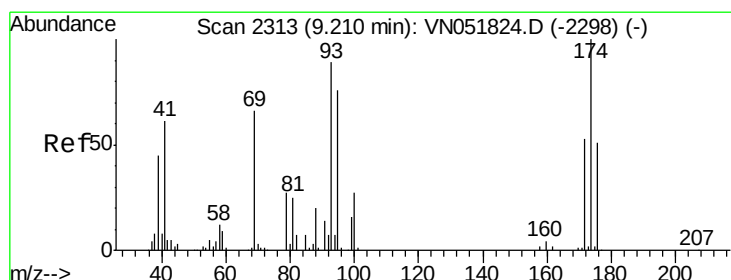
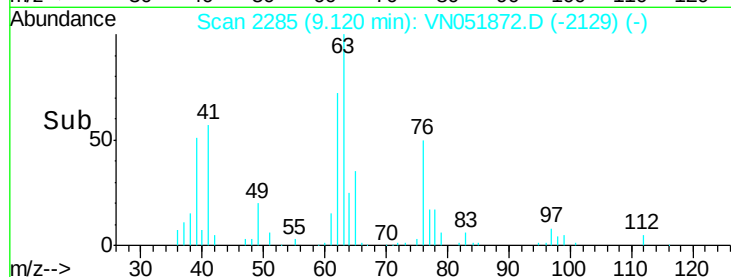
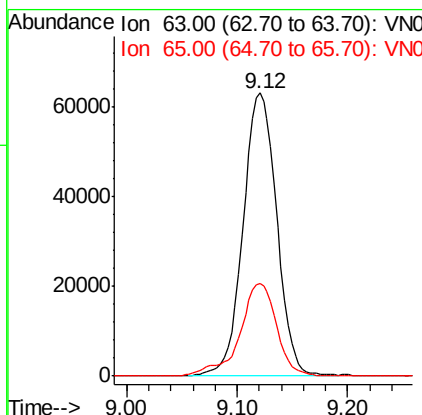
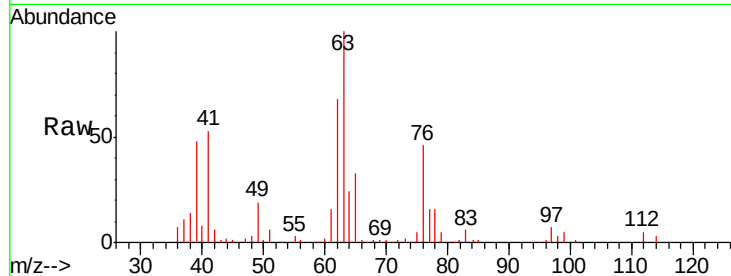
#39
 1,2-Dichloropropane
 Concen: 19.80 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion: 63 Resp: 133612
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.2 34.8

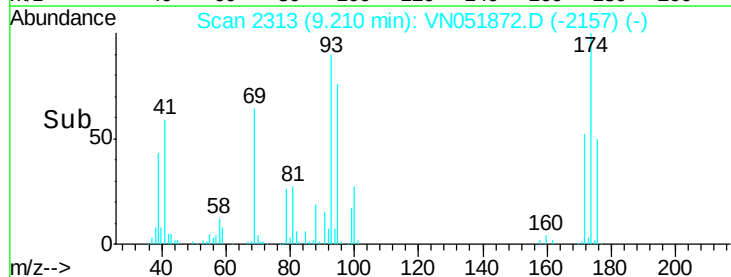
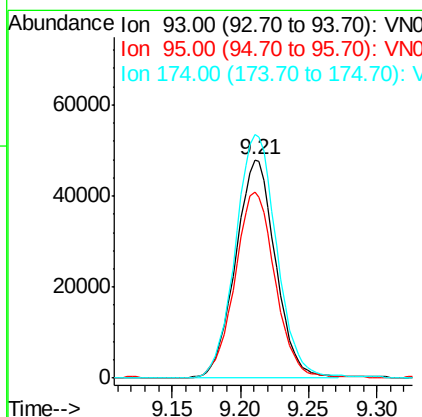
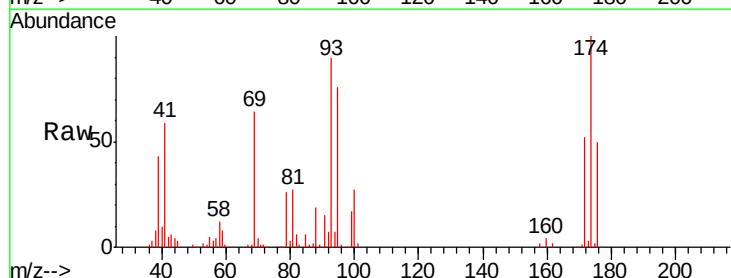
Manual Integrations
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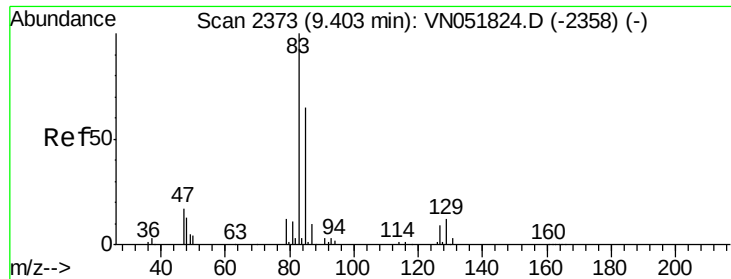
MMDadoda
 10/16/2018 3:56:36 PM



#40
 Dibromomethane
 Concen: 19.50 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion: 93 Resp: 97656
 Ion Ratio Lower Upper
 93 100
 95 85.6 0.0 162.0
 174 115.7 0.0 214.0





#41

Bromodichloromethane

Concen: 19.64 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

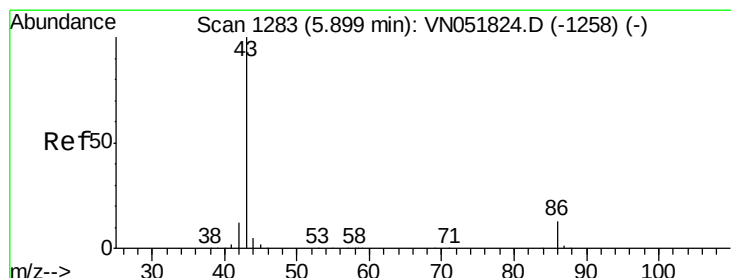
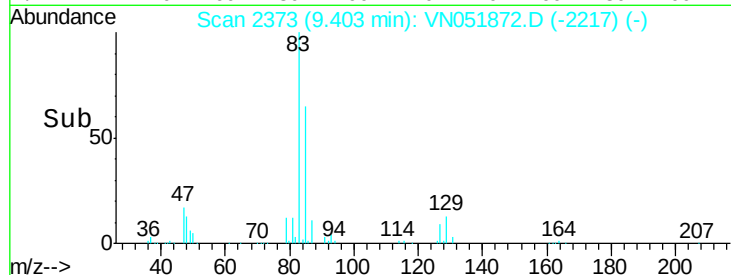
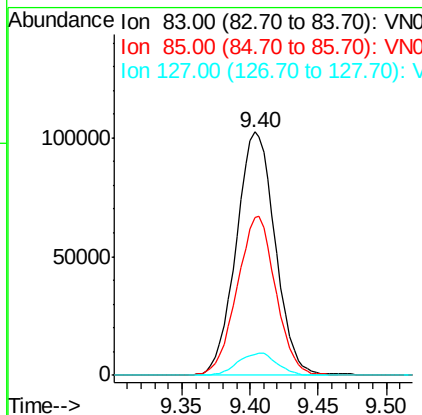
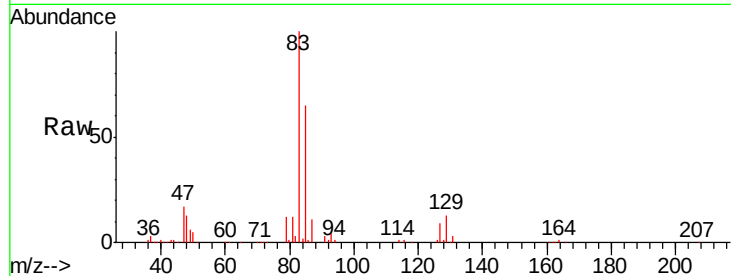
ClientSampleId :

VN1015WBSD01

Tgt Ion:	83	Resp:	203171
Ion	Ratio	Lower	Upper
83	100		
85	65.0	55.7	83.5
127	8.8	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 95.73 ug/l

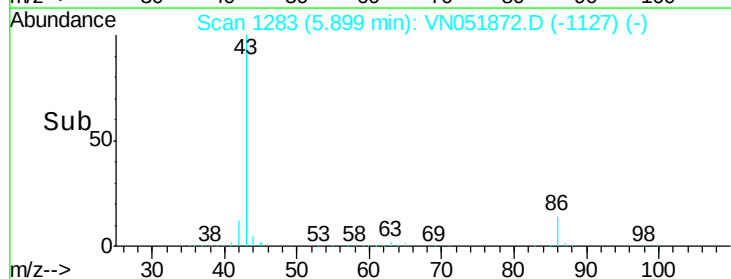
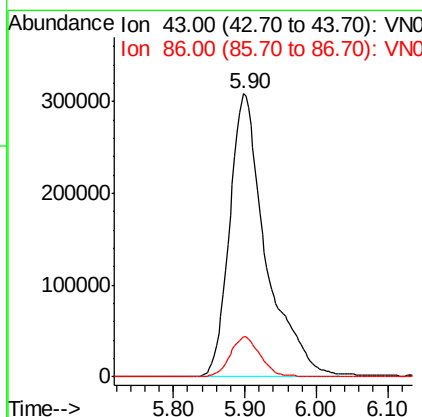
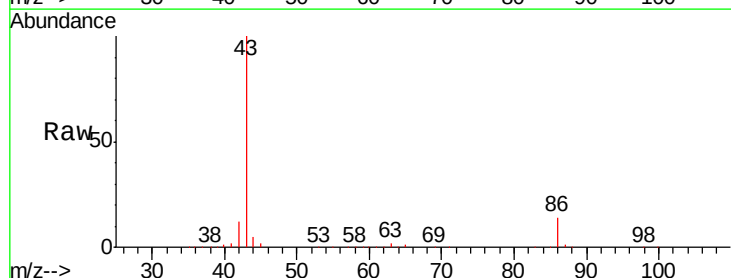
RT: 5.90 min Scan# 1283

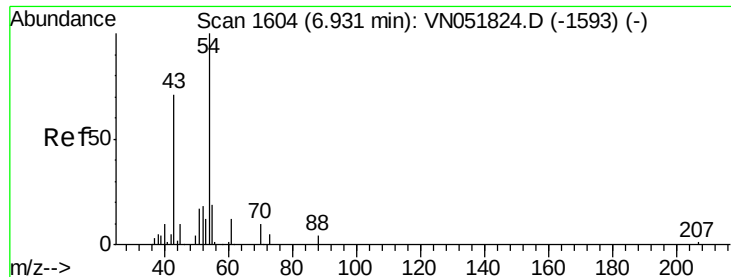
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion:	43	Resp:	1091100
Ion	Ratio	Lower	Upper
43	100		
86	12.0	6.5	9.7#





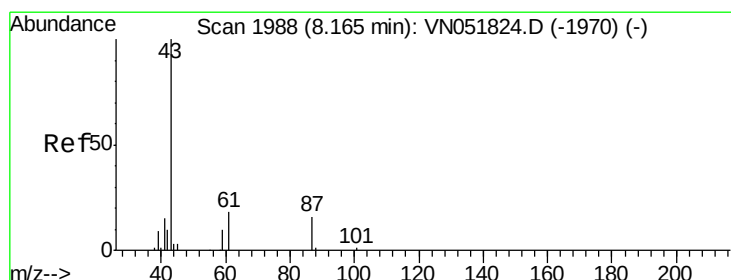
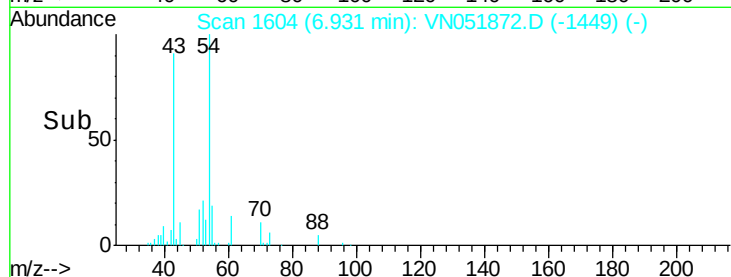
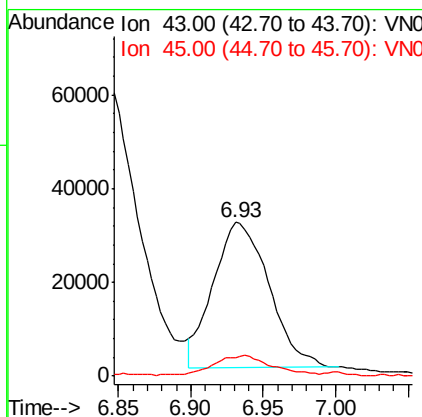
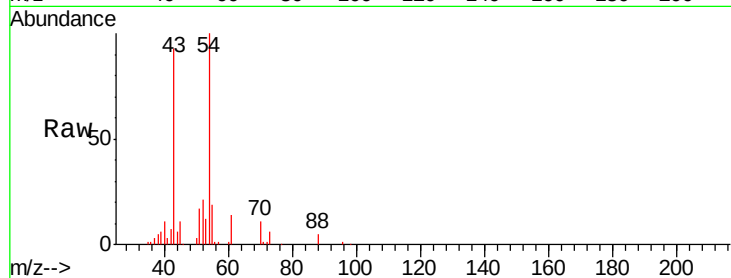
#43
Ethyl Acetate
Concen: 18.95 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion: 43 Resp: 83316
Ion Ratio Lower Upper
43 100
45 5.5 11.0 16.6#

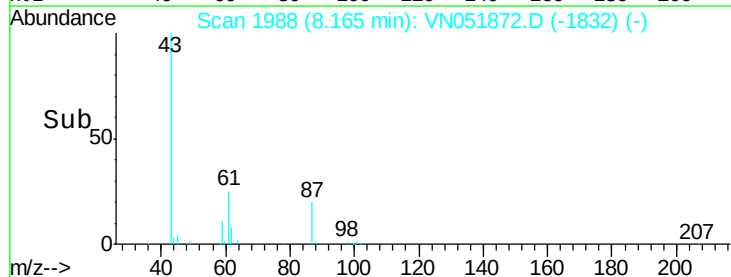
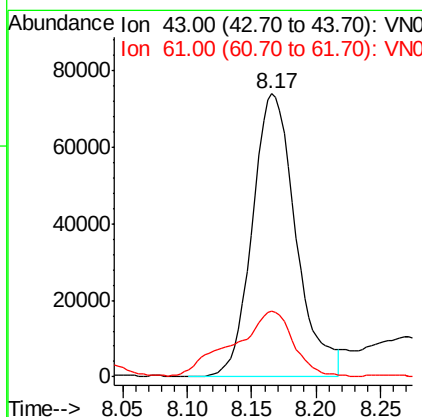
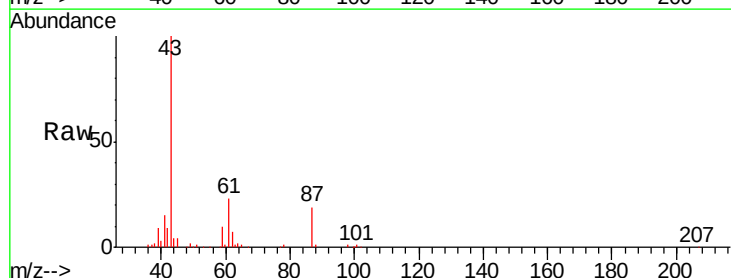
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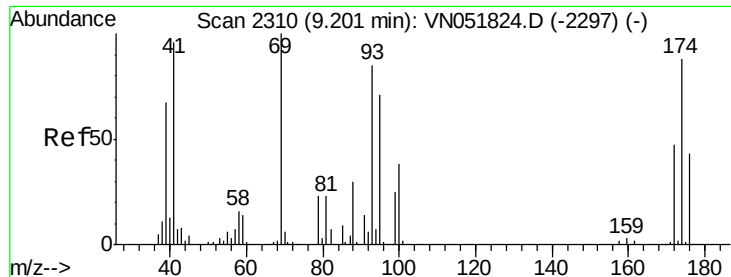
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.89 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 174691
Ion Ratio Lower Upper
43 100
61 32.3 15.9 23.9#





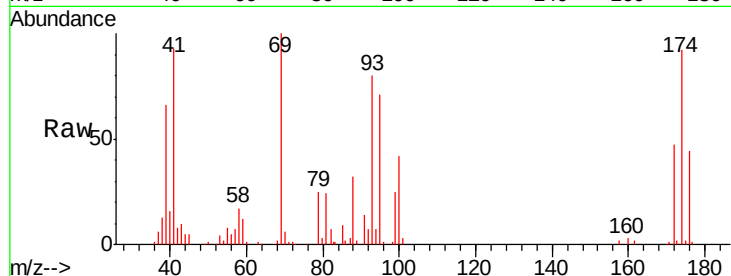
#45
 1,4-Dioxane
 Concen: 387.99 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

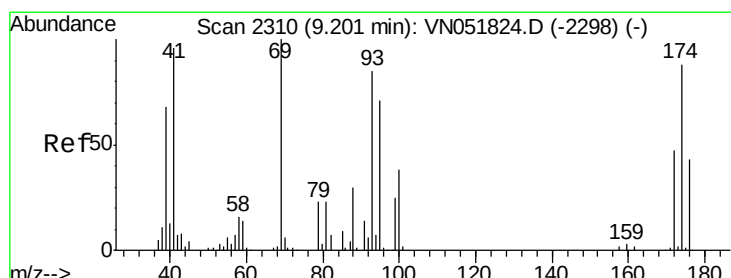
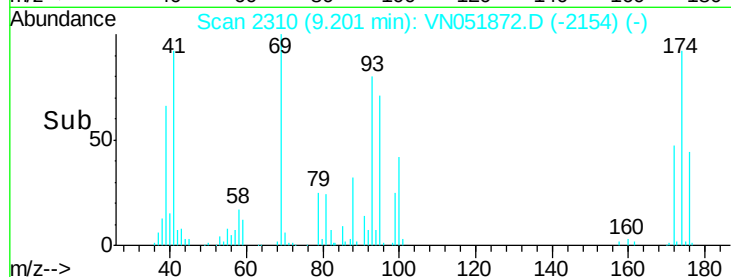
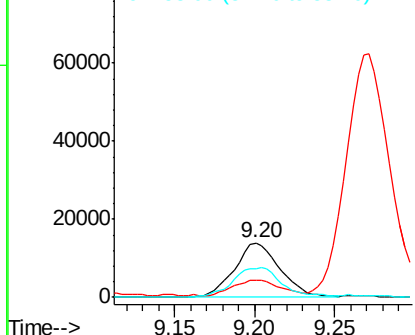
Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.7	26.2	39.2
58	56.1	65.6	98.4#

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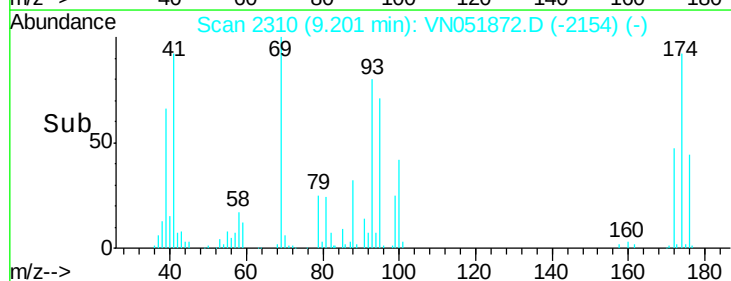
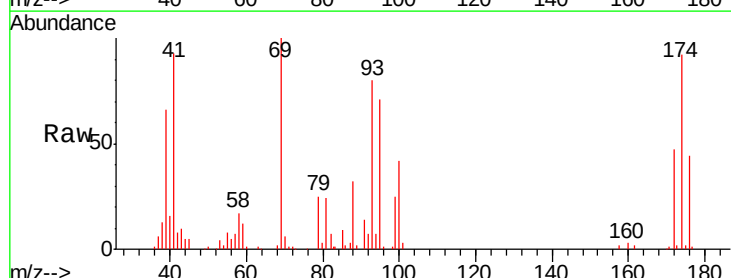
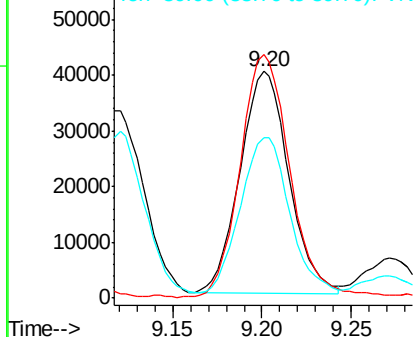
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

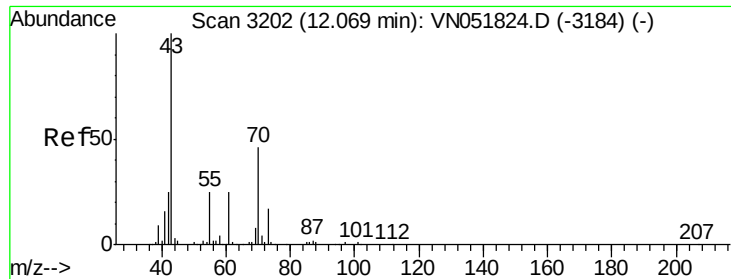


#46
 Methyl methacrylate
 Concen: 18.79 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	109.4	40.7	122.1
39	69.6	27.3	81.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.62 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

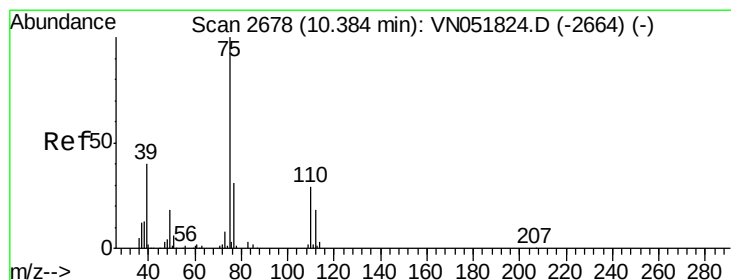
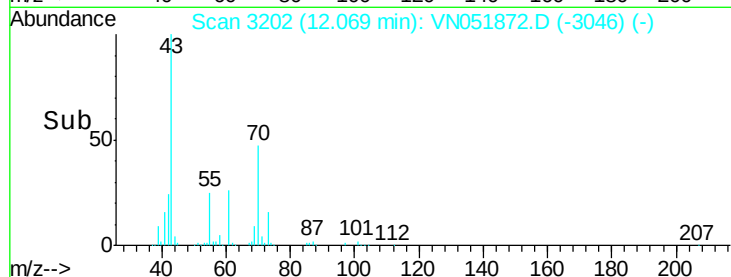
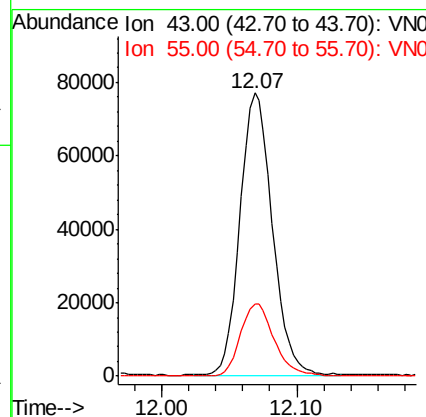
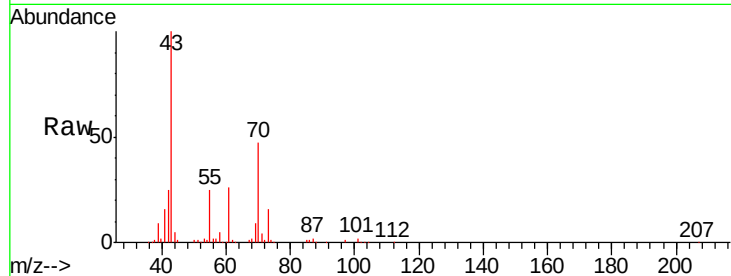
Tgt Ion: 43 Resp: 129541
Ion Ratio Lower Upper

43 100

55 0.1 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 17.86 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

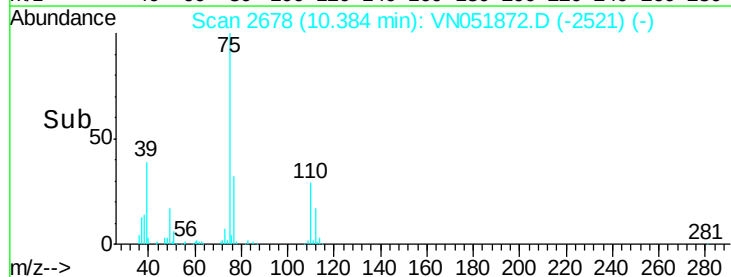
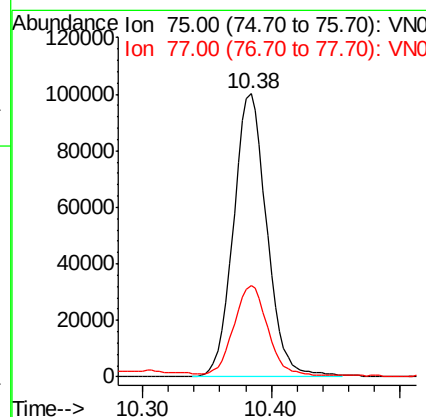
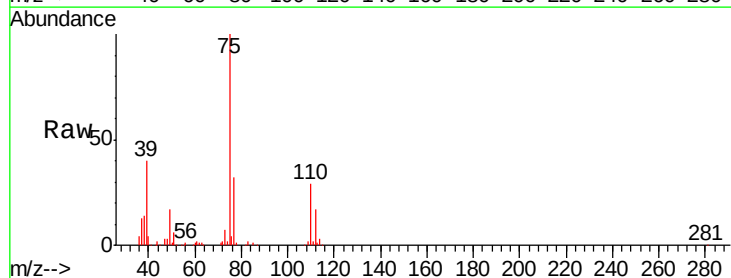
Lab File: VN051872.D

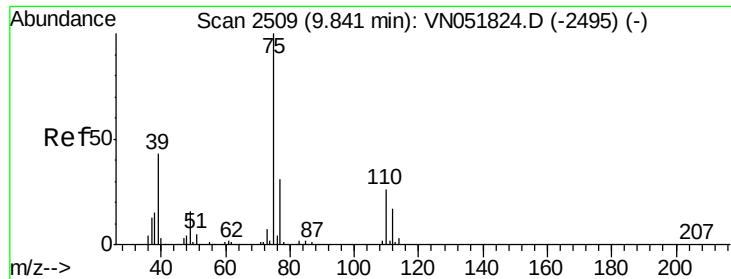
Acq: 15 Oct 2018 14:22

Tgt Ion: 75 Resp: 180169
Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

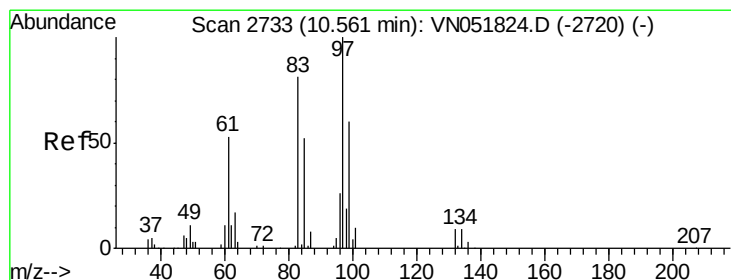
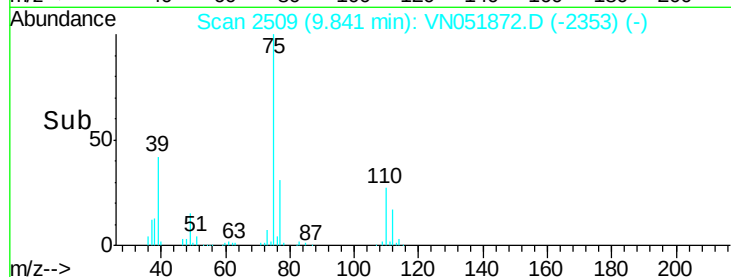
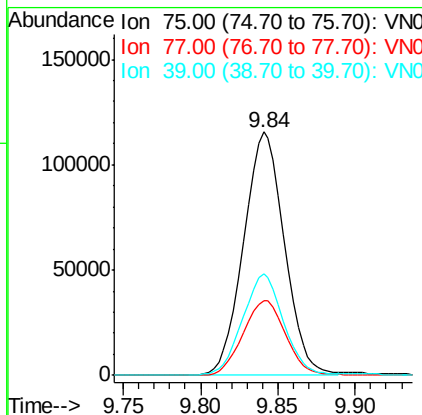
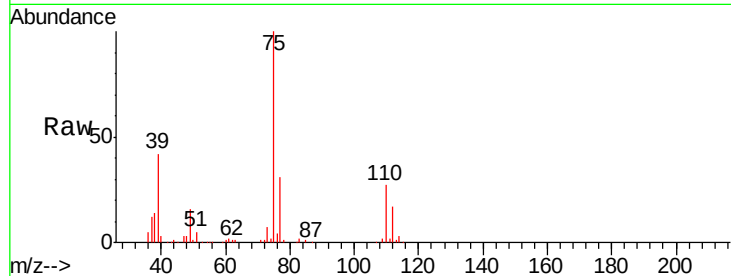
ClientSampleId :

VN1015WBSD01

Tgt Ion:	75	Resp:	212667
Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.2	34.8
39	41.6	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 19.86 ug/l

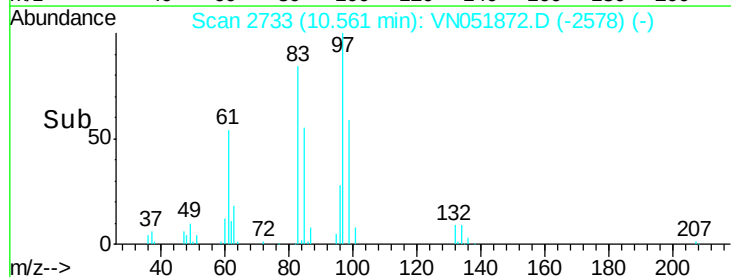
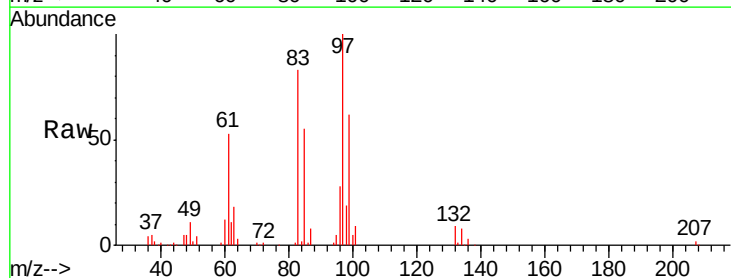
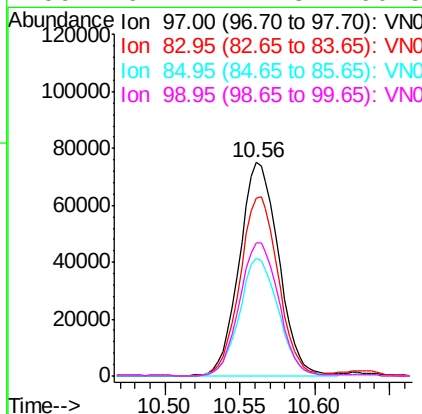
RT: 10.56 min Scan# 2733

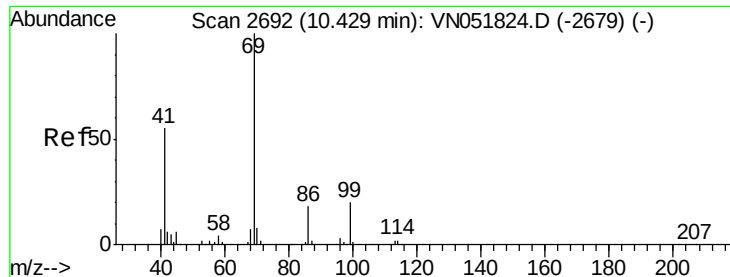
Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion:	97	Resp:	137441
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.2	102.4
85	55.3	42.5	63.7
99	62.1	44.3	66.5





#51

Ethyl methacrylate

Concen: 19.00 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

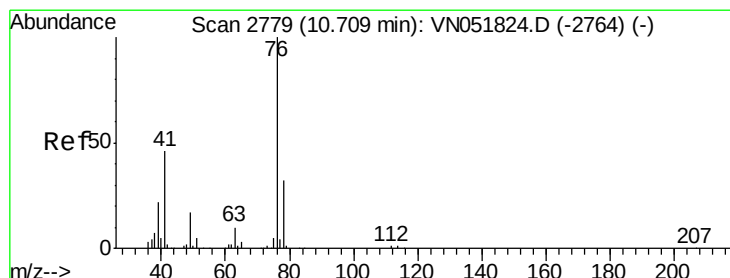
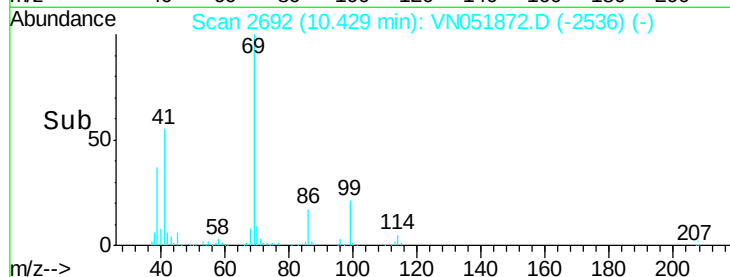
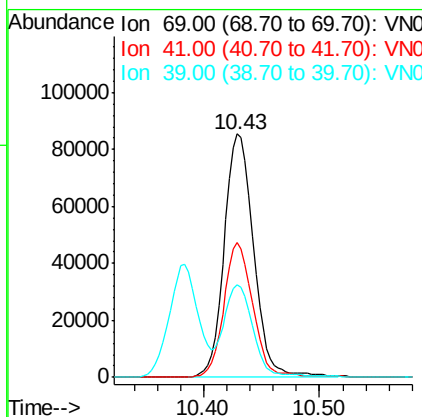
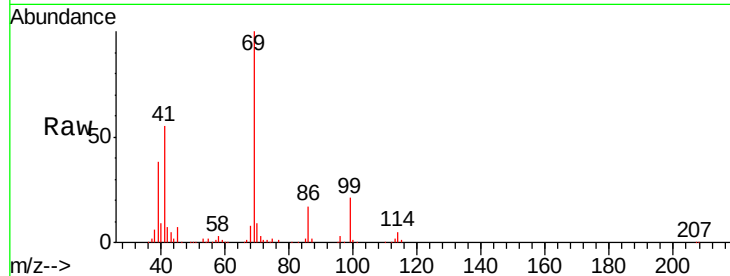
ClientSampleId :

VN1015WBSD01

Tgt Ion:	69	Resp:	150541
Ion Ratio	Lower	Upper	
69	100		
41	55.2	34.4	103.1
39	37.3	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 19.76 ug/l

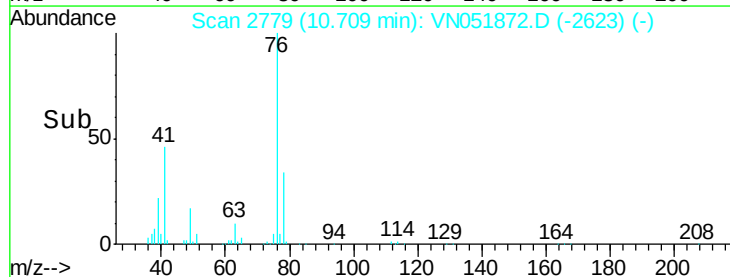
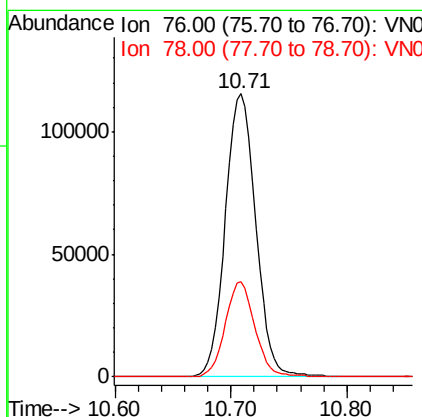
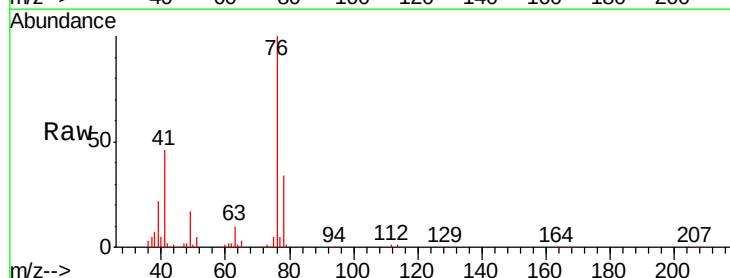
RT: 10.71 min Scan# 2779

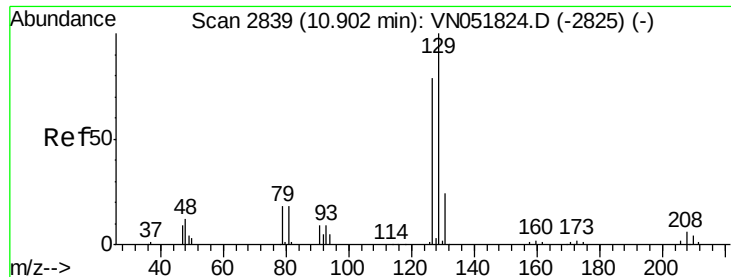
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion:	76	Resp:	210996
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	67.6





#53

Dibromochloromethane

Concen: 18.40 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion:129 Resp: 157539

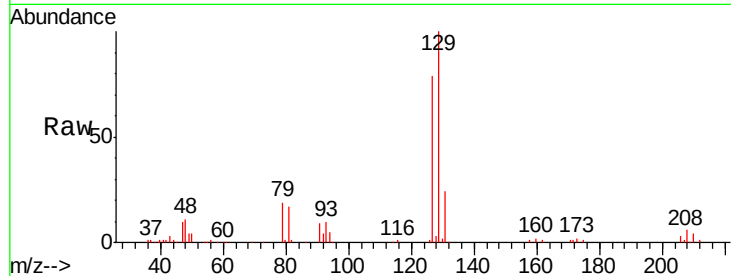
Ion Ratio Lower Upper

129 100

127 76.2 40.2 120.5

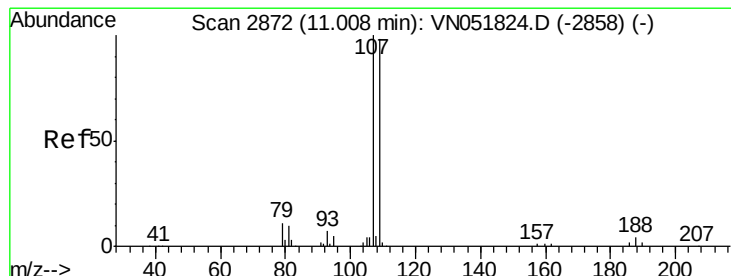
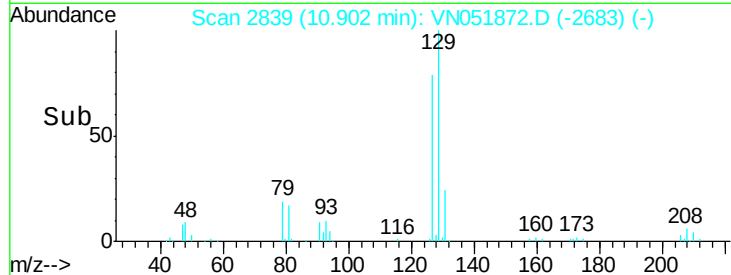
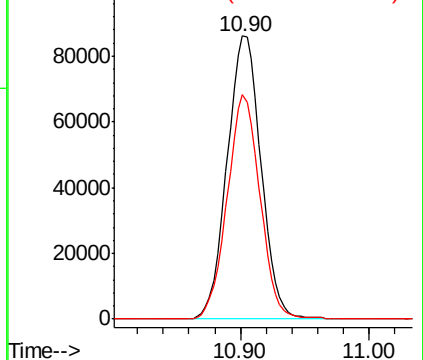
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.43 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051872.D

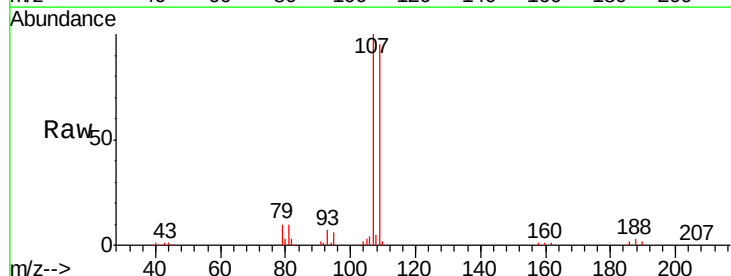
Acq: 15 Oct 2018 14:22

Tgt Ion:107 Resp: 141107

Ion Ratio Lower Upper

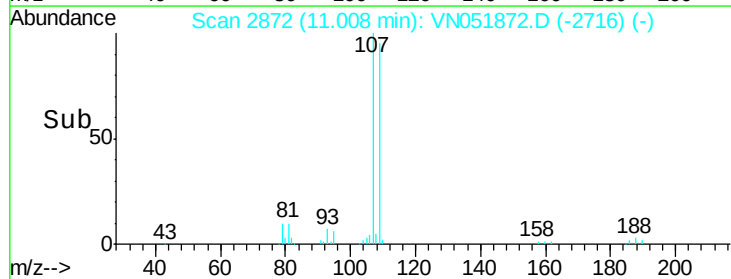
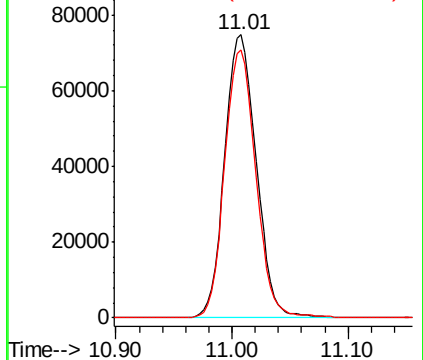
107 100

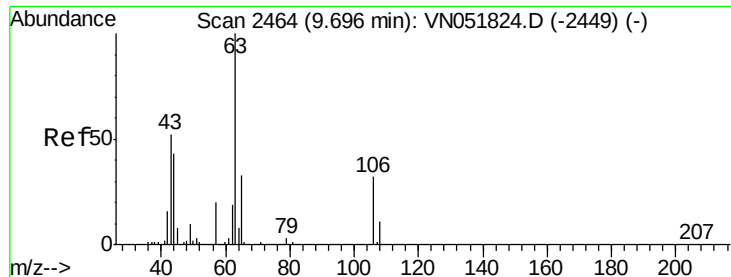
109 93.3 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 94.56 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 63 Resp: 320251
Ion Ratio Lower Upper

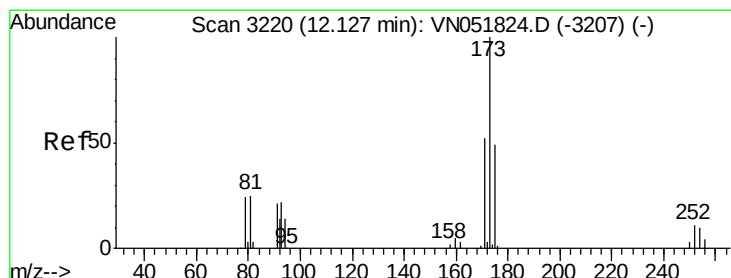
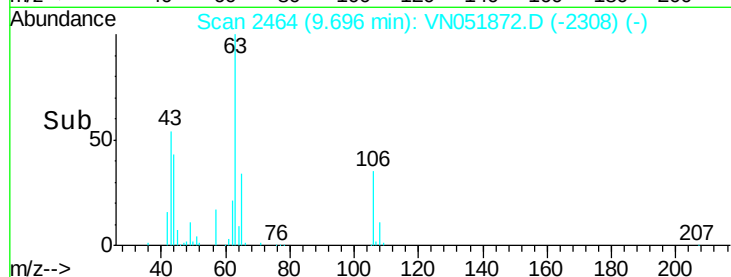
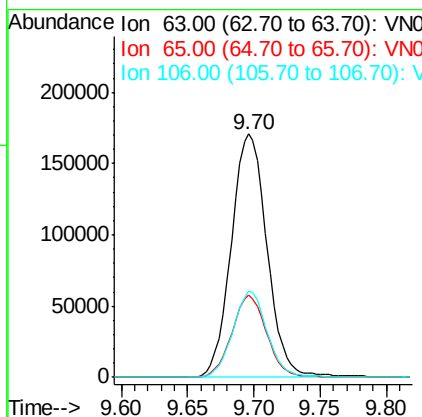
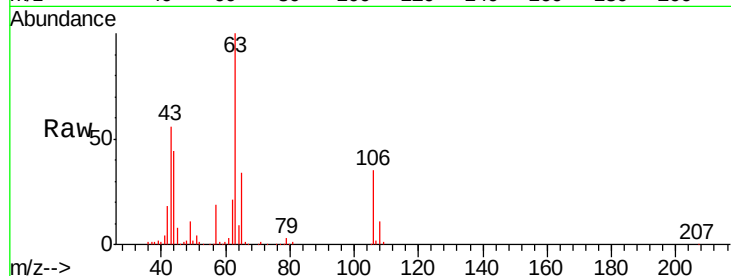
63 100

65 32.6 25.4 38.0

106 34.2 21.2 31.8#

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10/16/2018 3:56:36 PM



#56

Bromoform

Concen: 16.95 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051872.D

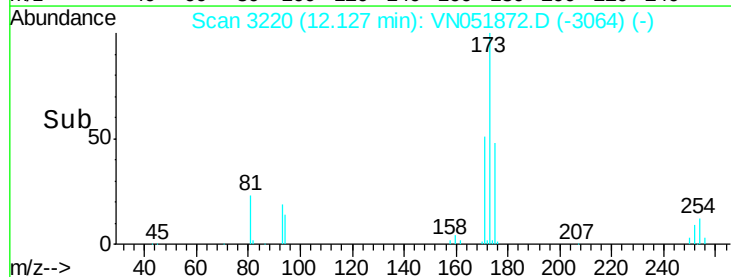
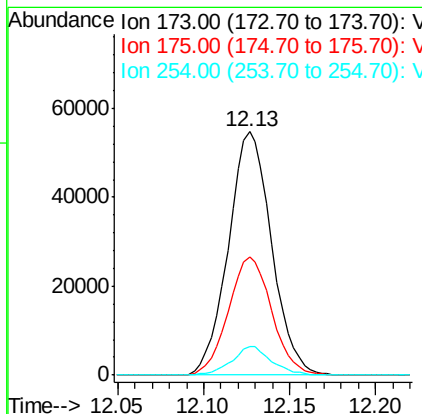
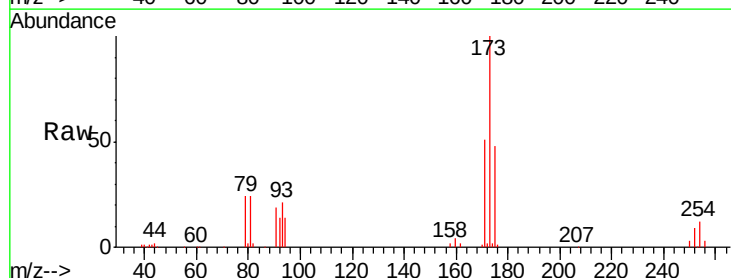
Acq: 15 Oct 2018 14:22

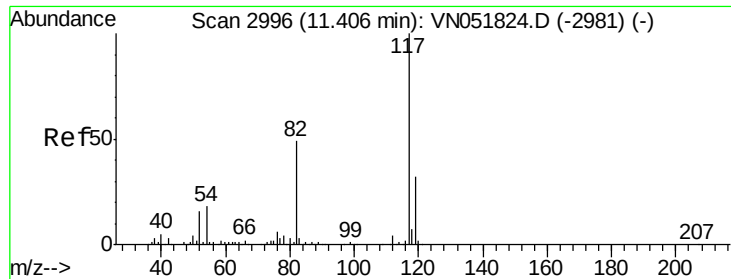
Tgt Ion: 173 Resp: 95705
Ion Ratio Lower Upper

173 100

175 48.7 35.8 53.8

254 10.8 8.6 13.0





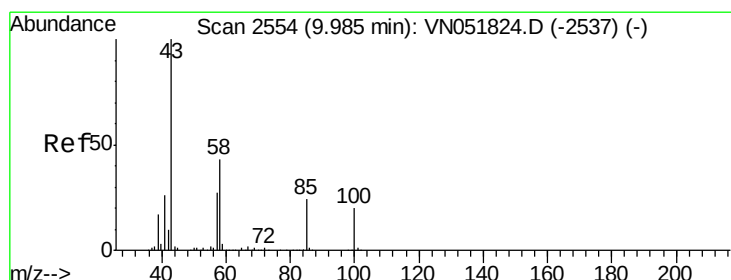
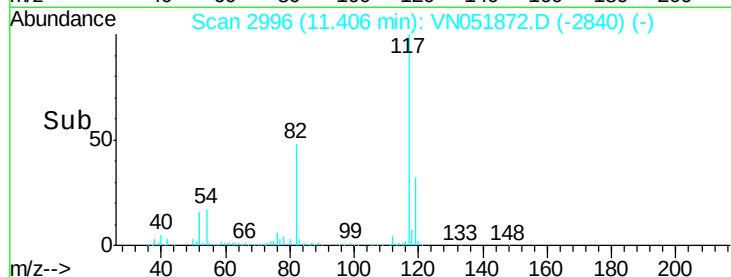
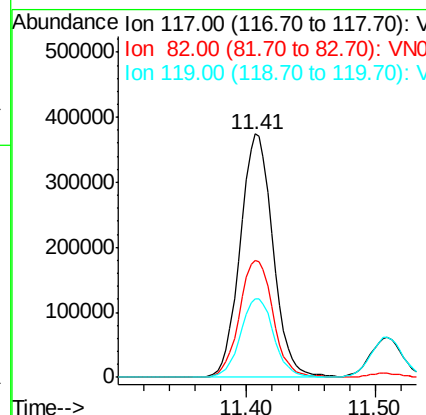
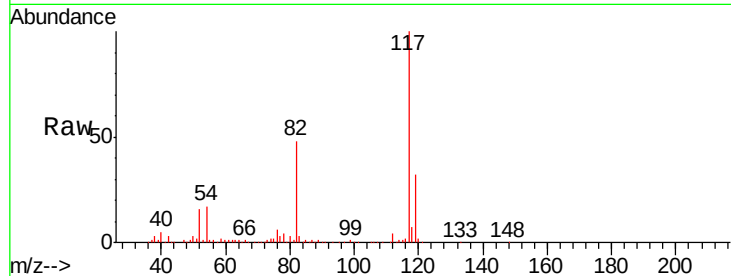
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	49.3	44.1	66.1
119	32.8	25.8	38.8

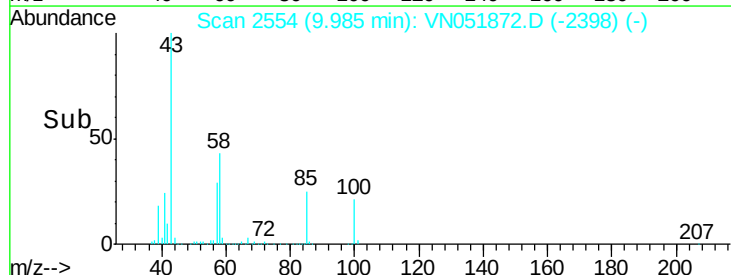
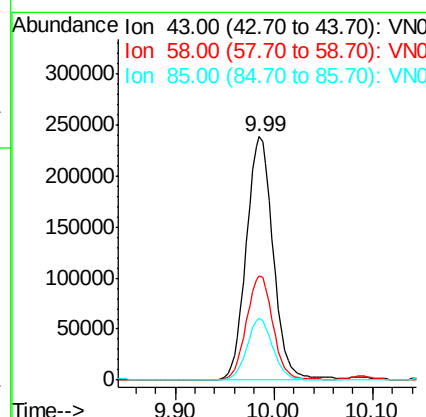
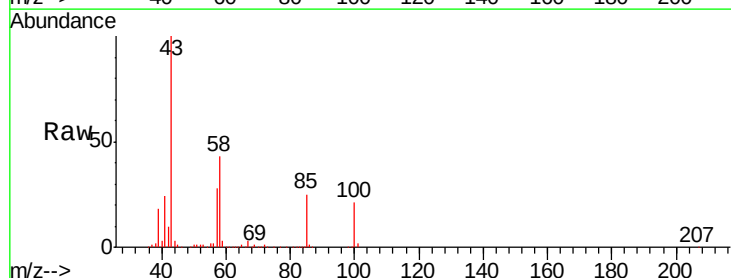
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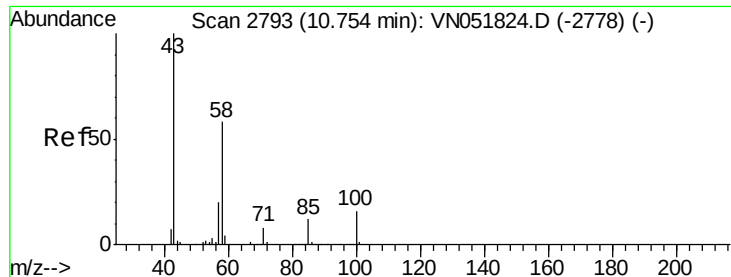
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10/16/2018 3:56:36 PM



#58
4-Methyl-2-Pentanone
Concen: 101.13 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	42.1	29.3	43.9
85	24.4	12.6	18.8





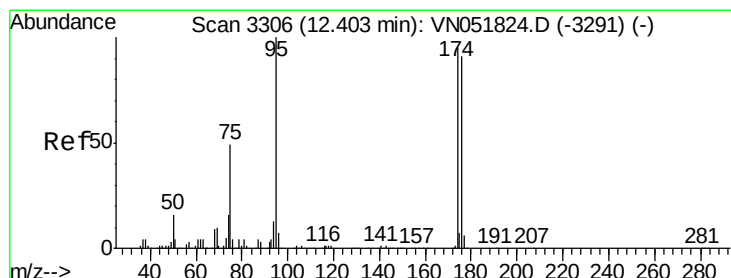
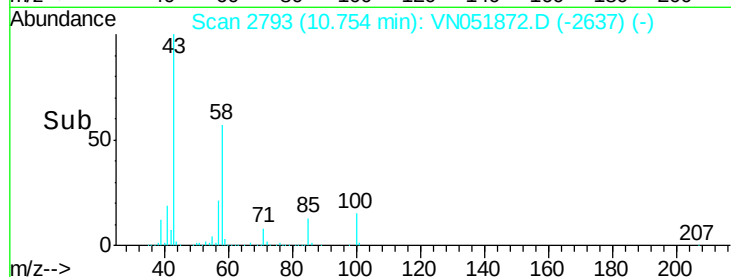
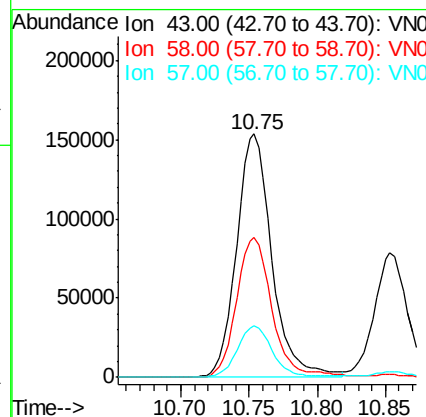
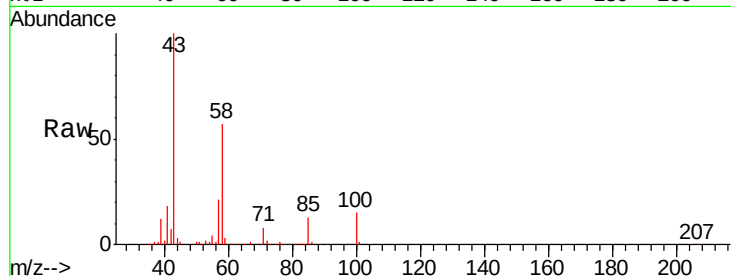
#59
2-Hexanone
Concen: 91.65 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.4	41.3	61.9
57	21.3	13.4	20.0

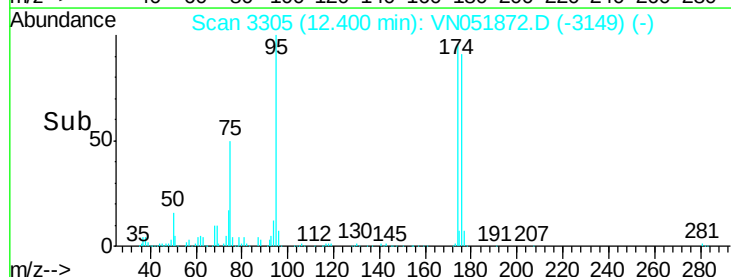
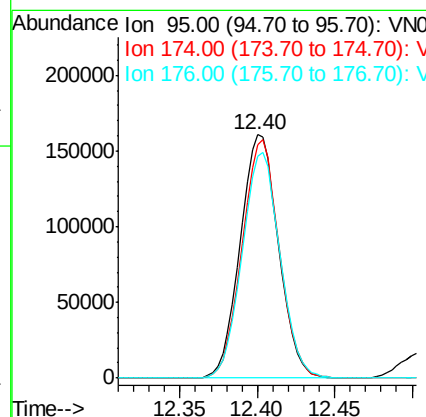
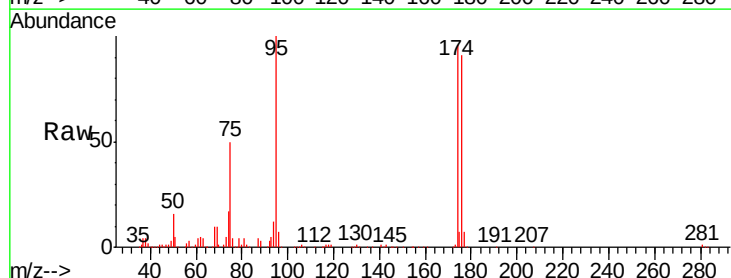
Manual Integrations
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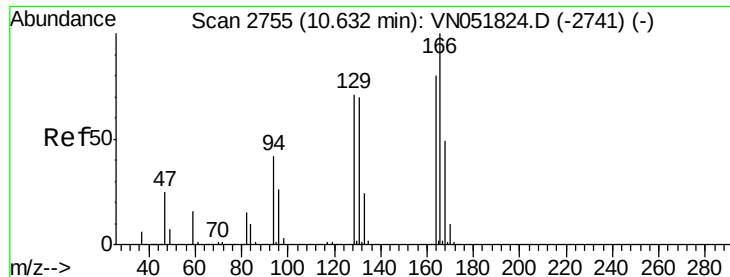
MMDadoda
10/16/2018 3:56:36 PM



#60
4-Bromofluorobenzene
Concen: 91.65 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	73.5	110.3
176	92.2	70.2	105.2





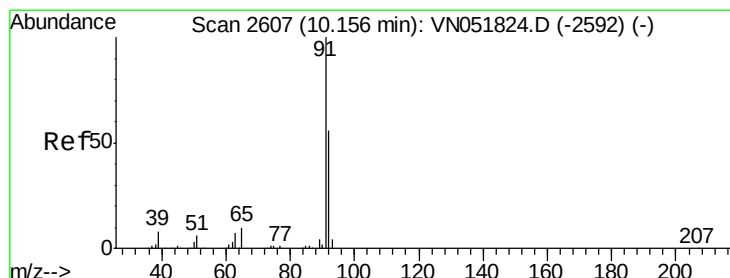
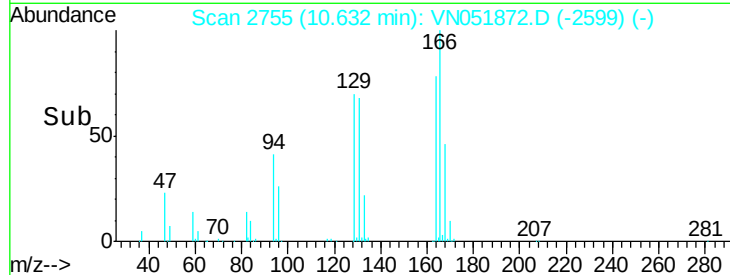
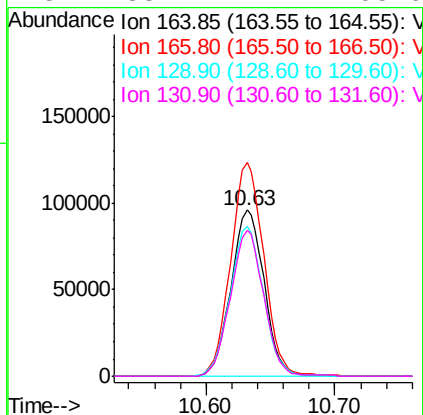
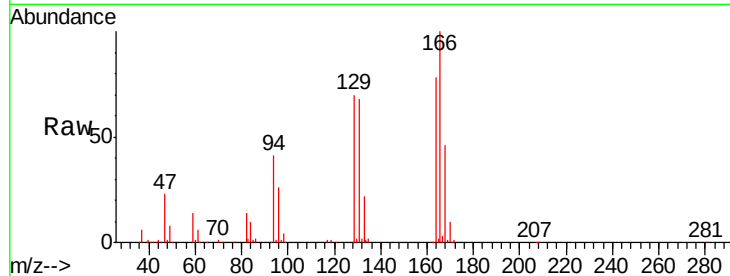
#61
Tetrachloroethene
Concen: 20.22 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171247		
166	128.8	98.7	148.1	
129	90.7	69.6	104.4	
131	88.2	72.4	108.6	

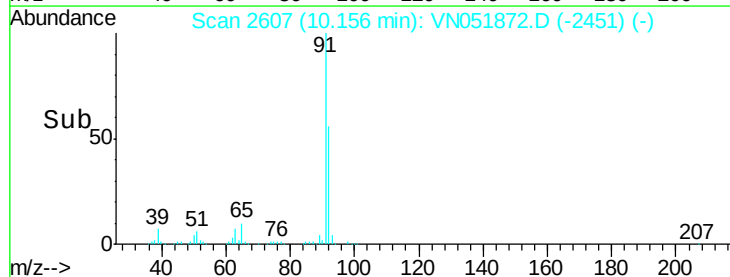
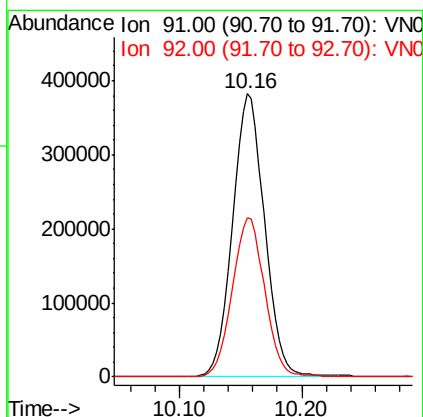
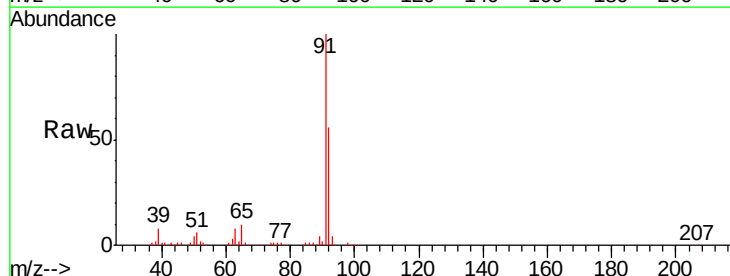
Manual Integrations
APPROVED

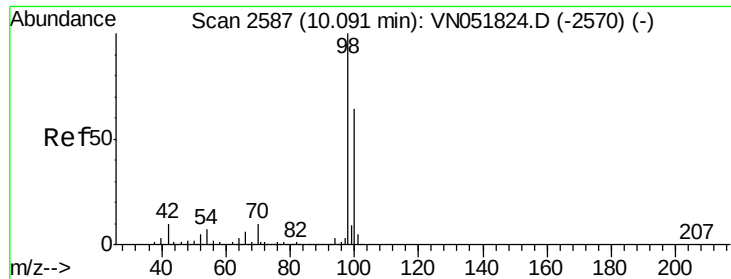
MMDadoda
10/16/2018 3:56:36 PM



#62
Toluene
Concen: 21.16 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	696253		
92	56.9	44.6	66.8	





#63

Toluene-d8

Concen: 21.16 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 98 Resp: 882868

Ion Ratio Lower Upper

98 100

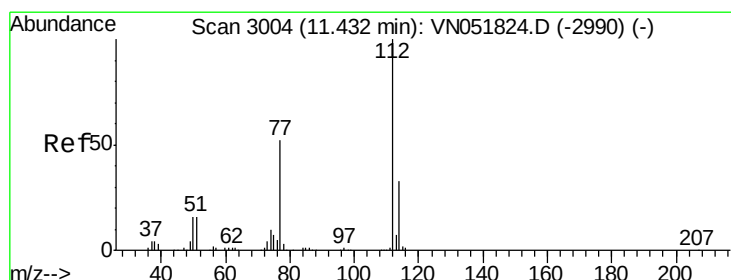
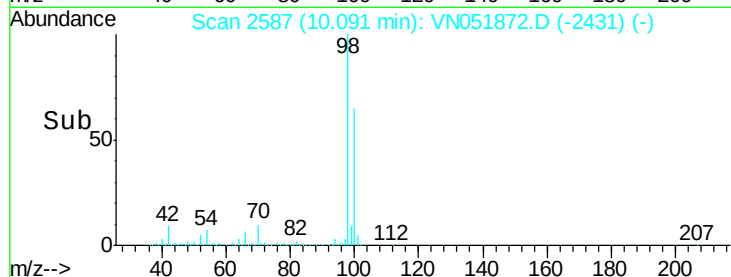
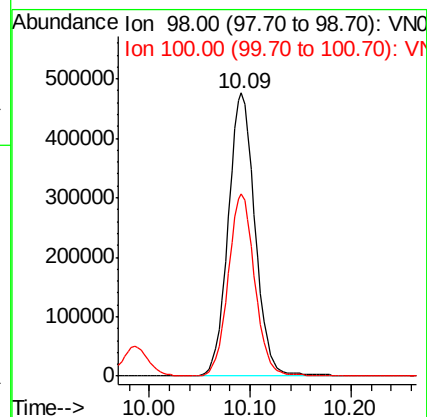
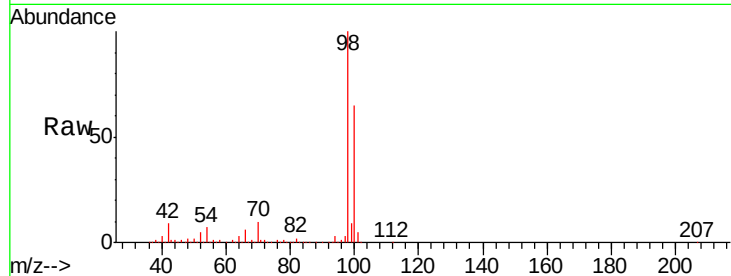
100 63.3 50.8 76.2

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10/16/2018 3:56:36 PM



#64

Chlorobenzene

Concen: 20.09 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051872.D

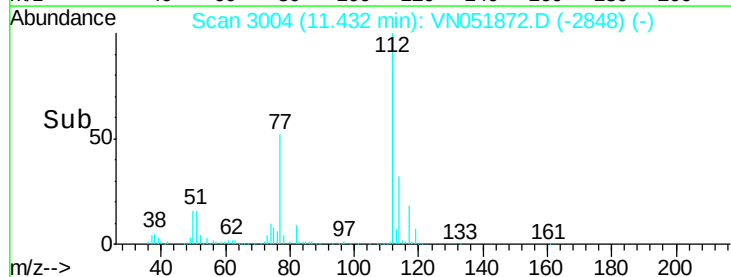
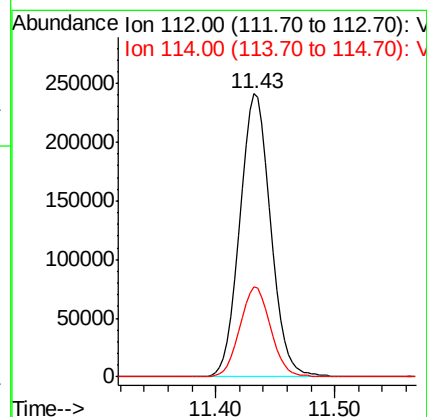
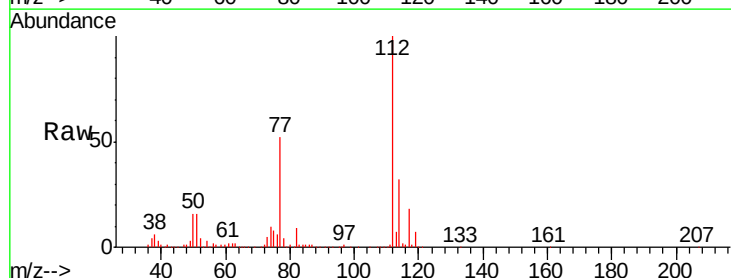
Acq: 15 Oct 2018 14:22

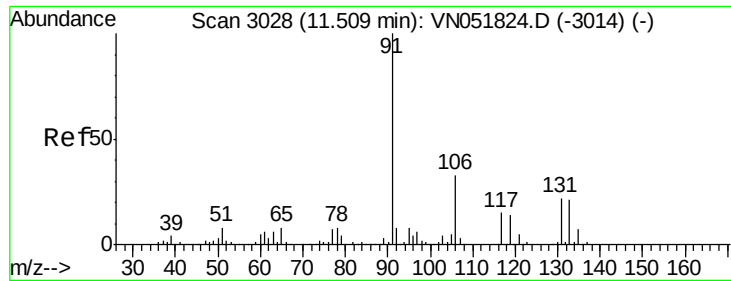
Tgt Ion: 112 Resp: 432852

Ion Ratio Lower Upper

112 100

114 31.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.90 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

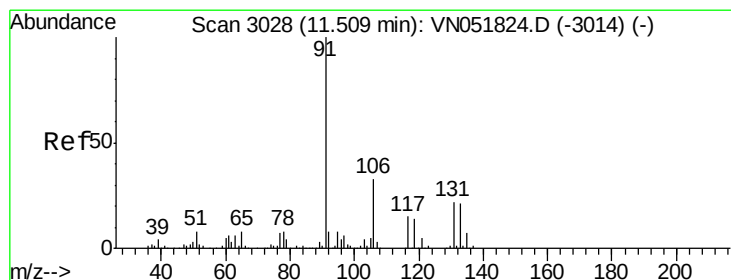
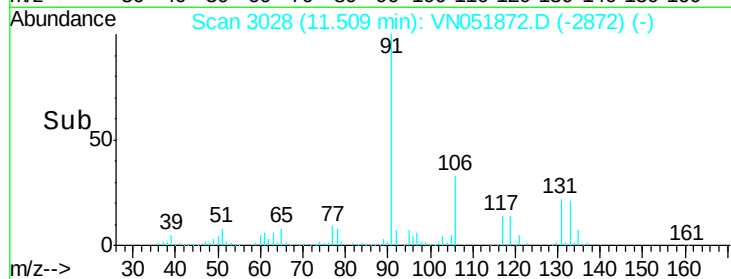
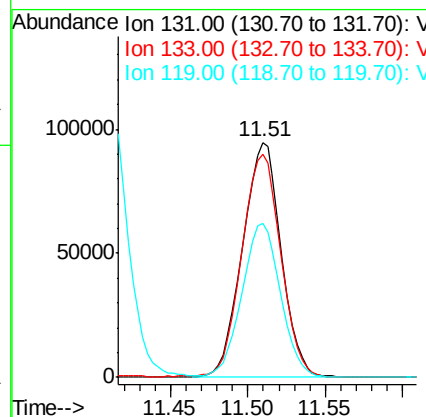
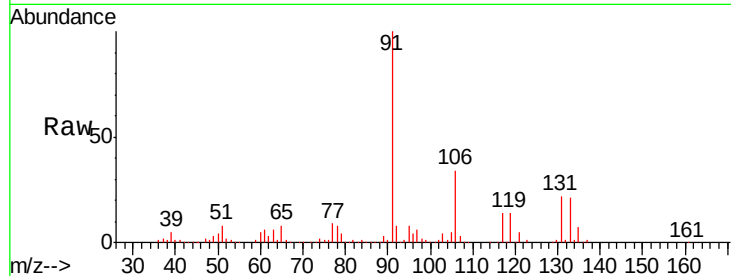
ClientSampleId :

VN1015WBSD01

Tgt Ion:	131	Resp:	164550
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	190.4
119	65.3	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.83 ug/l

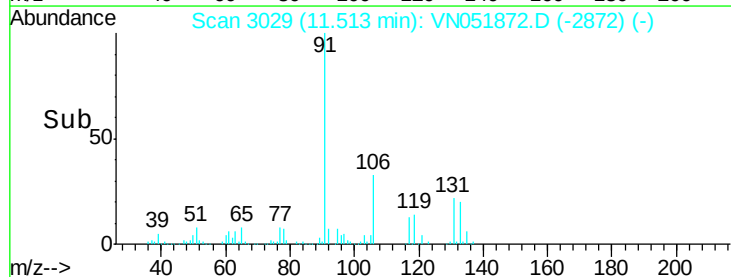
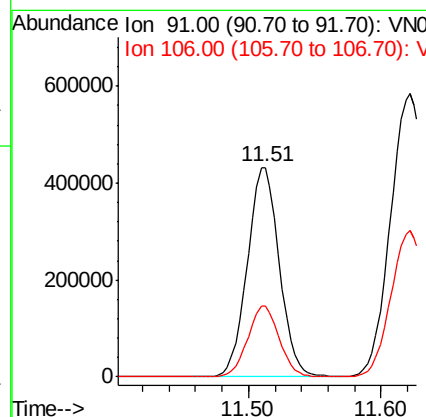
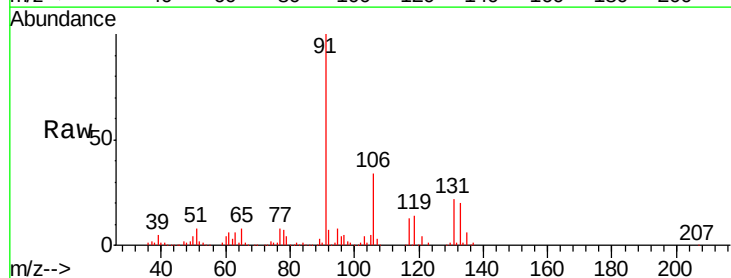
RT: 11.51 min Scan# 3029

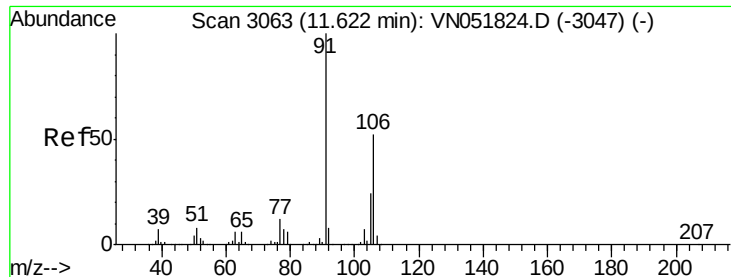
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion:	91	Resp:	720956
Ion Ratio	Lower	Upper	
91	100		
106	33.6	25.9	38.9





#67

m/p-Xylenes

Concen: 38.71 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion:106 Resp: 570626

Ion Ratio Lower Upper

106 100

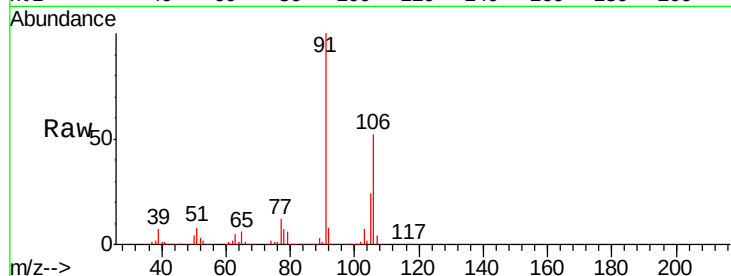
91 197.4 158.8 238.2

Manual Integrations

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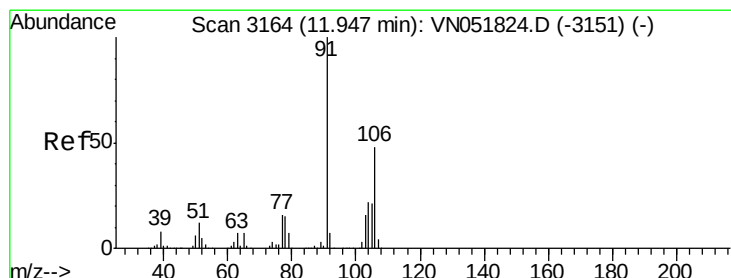
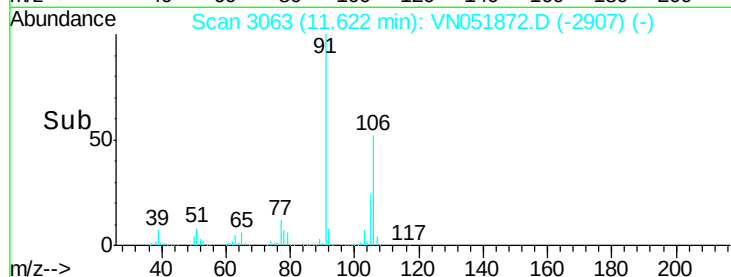
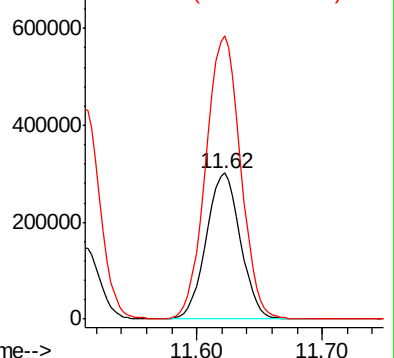
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.62 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051872.D

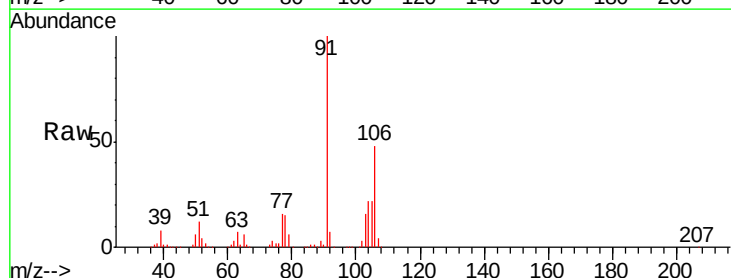
Acq: 15 Oct 2018 14:22

Tgt Ion:106 Resp: 285175

Ion Ratio Lower Upper

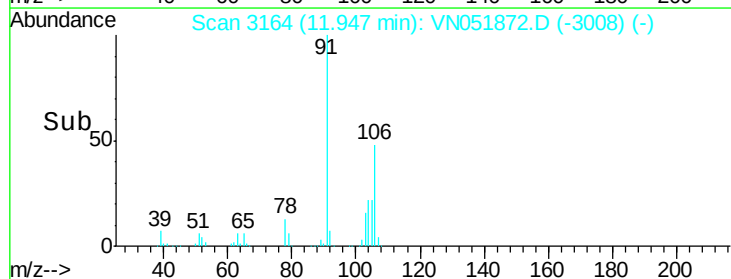
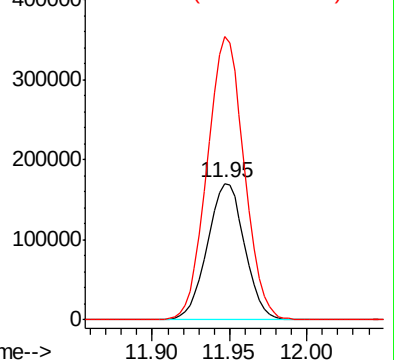
106 100

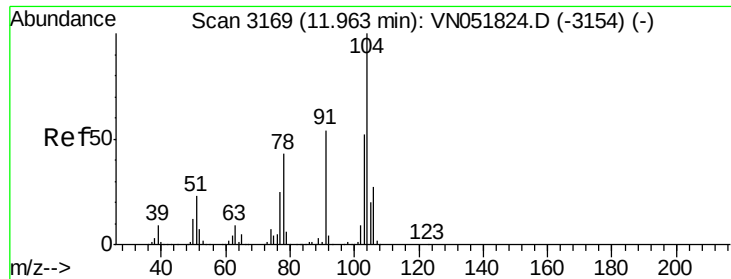
91 205.7 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





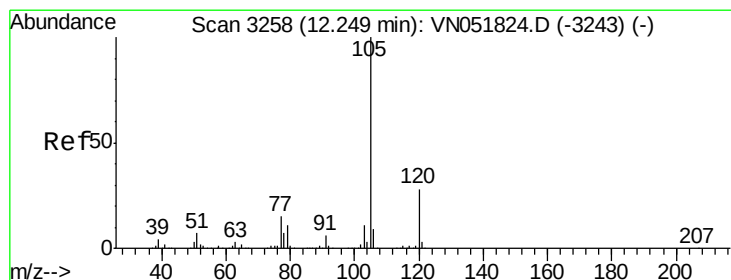
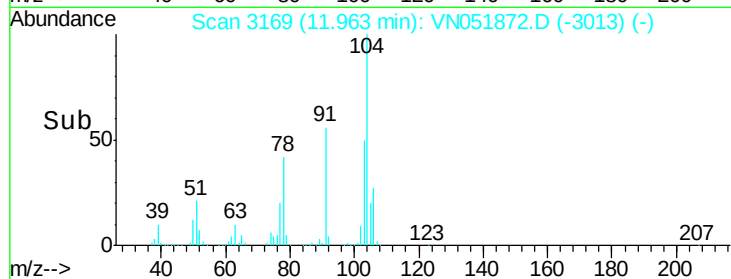
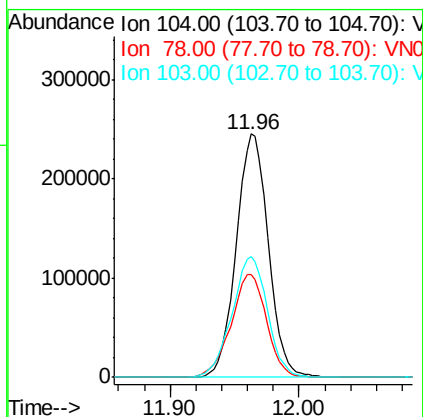
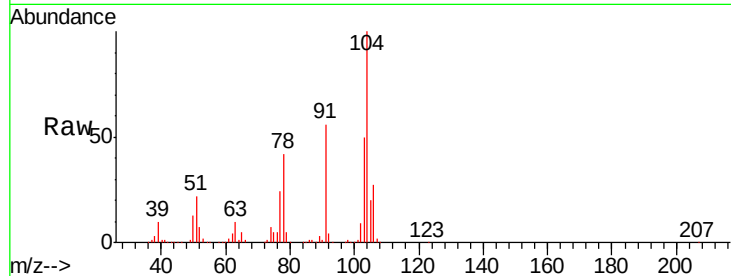
#69
Styrene
Concen: 19.07 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	425225		
78	46.7	40.6	60.8	
103	54.6	44.0	66.0	

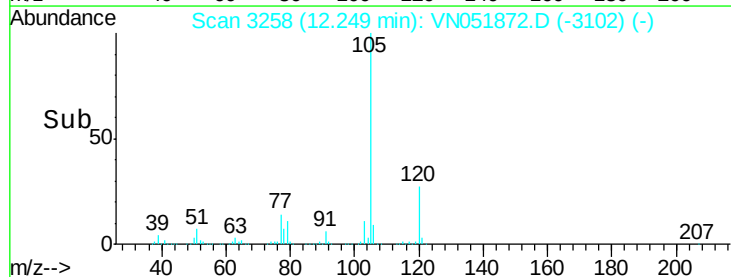
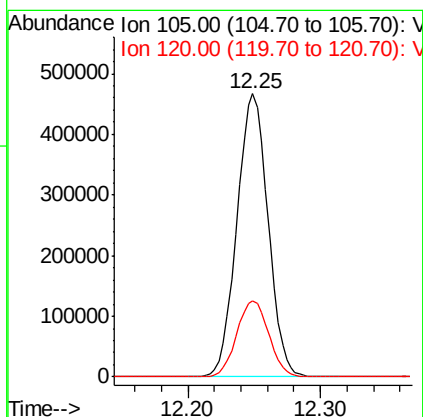
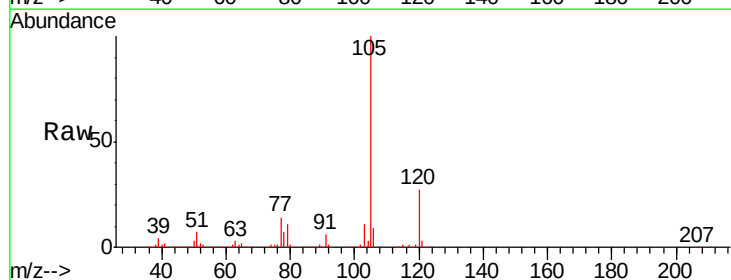
Manual Integrations
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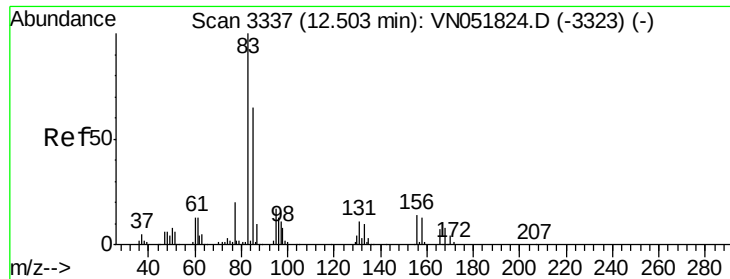
MMDadoda
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#70
Isopropylbenzene
Concen: 19.65 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	761425		
120	27.7	19.0	35.4	





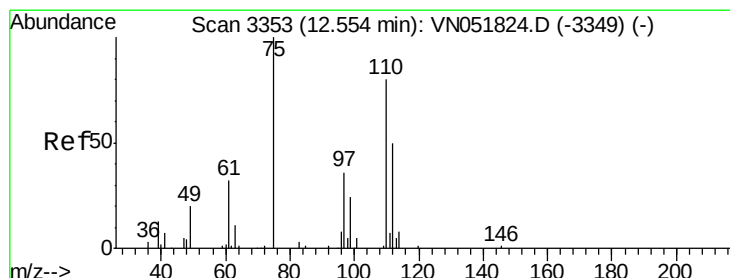
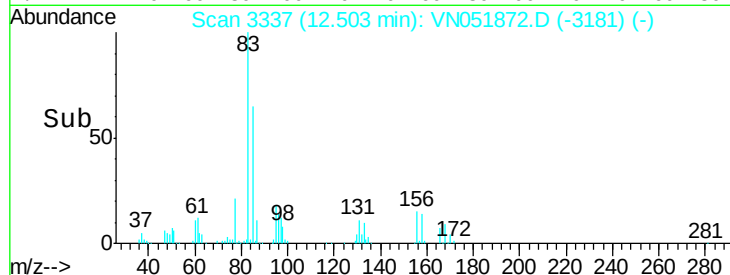
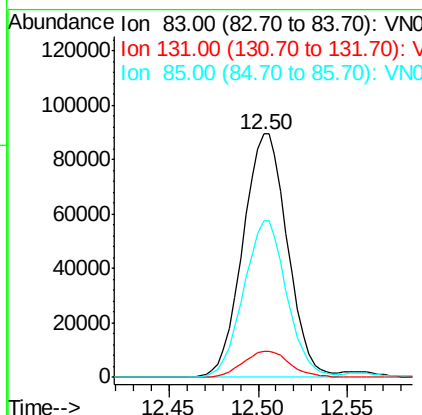
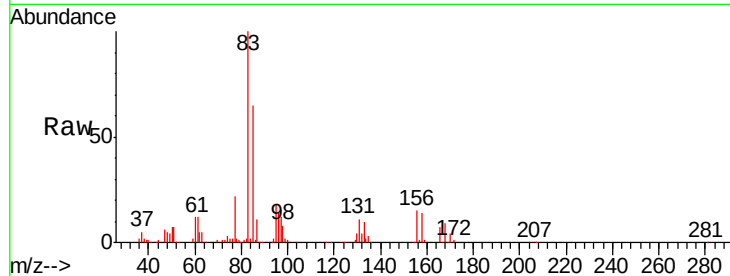
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.43 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	11.3	5.5	16.4
85	62.5	30.6	91.8

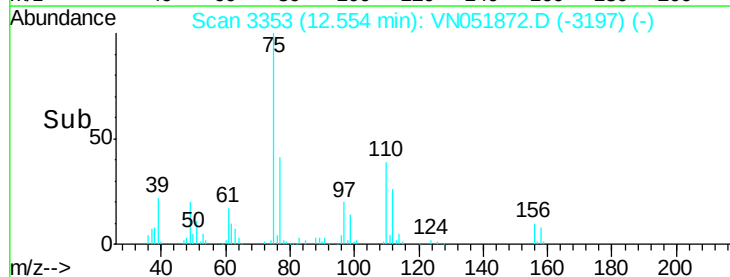
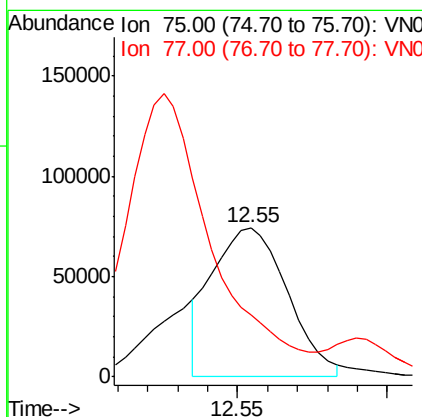
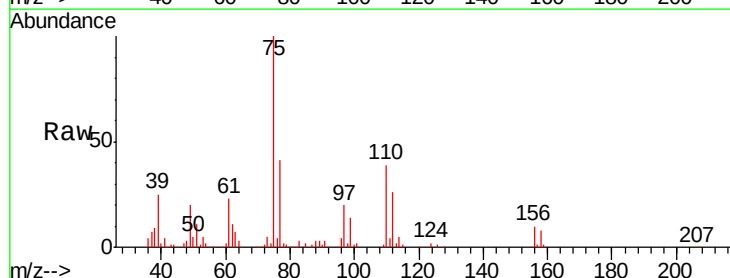
Manual Integrations
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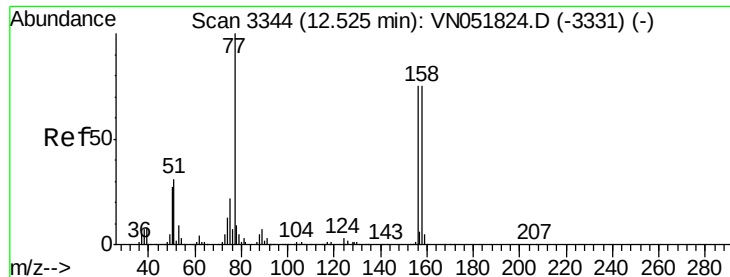
MMDadoda
 10/16/2018 3:56:36 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.41 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	218.5	0.0	400.0





#73

Bromobenzene

Concen: 19.20 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

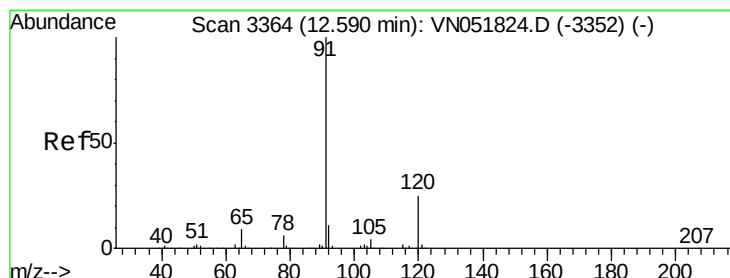
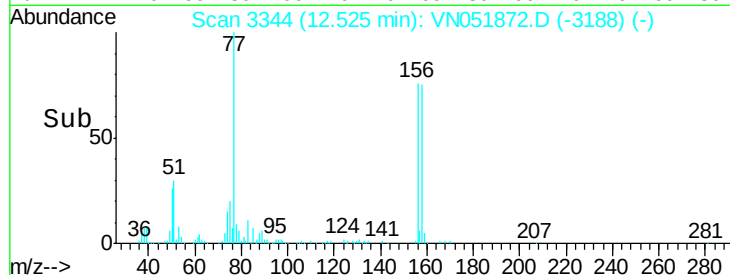
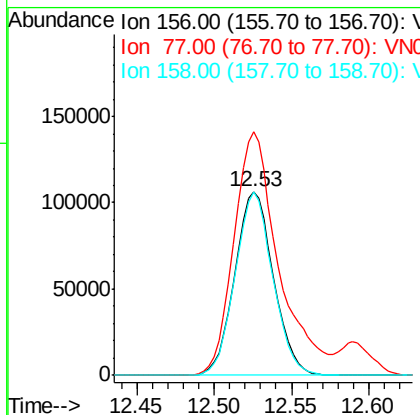
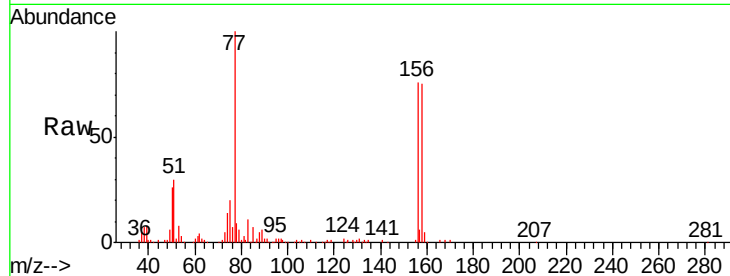
ClientSampleId :

VN1015WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	184276		
77	152.8	0.0	377.4	
158	97.2	0.0	203.0	

Manual Integrations
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#74

n-propylbenzene

Concen: 19.36 ug/l

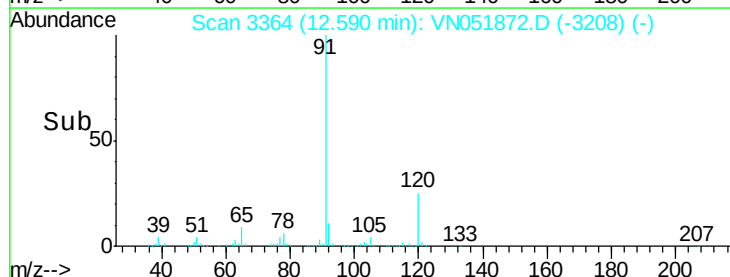
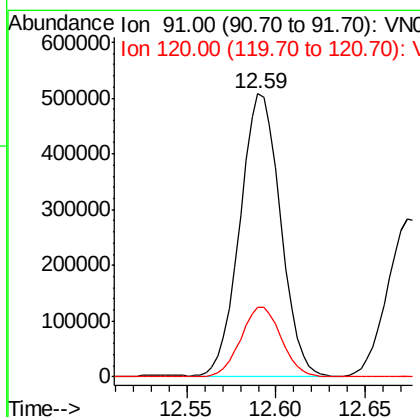
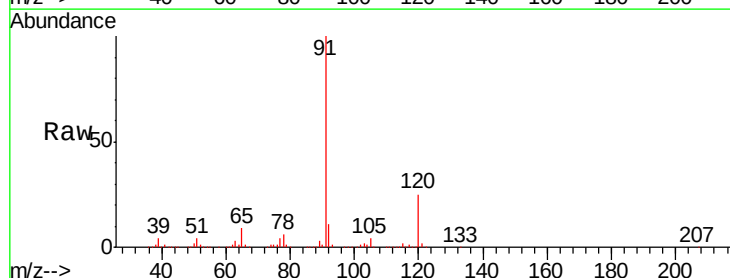
RT: 12.59 min Scan# 3364

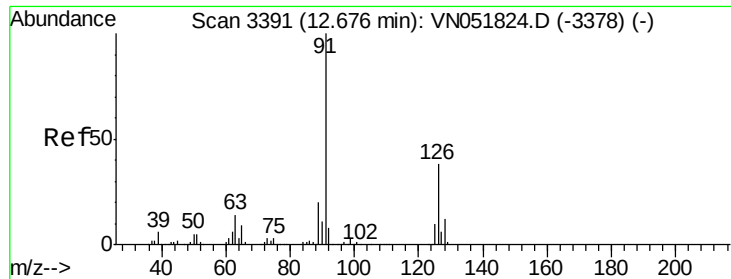
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	806869		
120	24.6	0.0	45.0	





#75

2-Chlorotoluene

Concen: 19.57 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion: 91 Resp: 478265

Ion Ratio Lower Upper

91 100

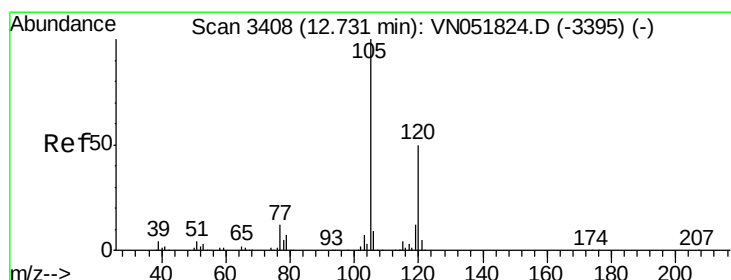
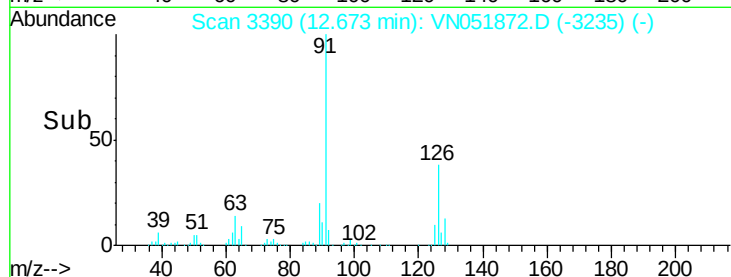
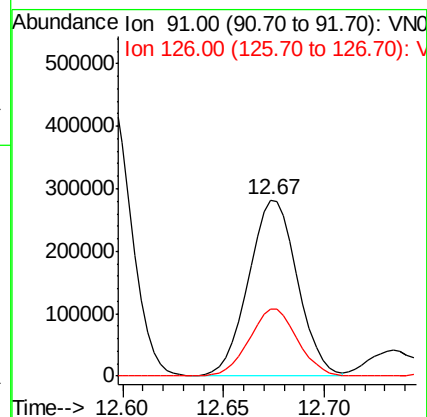
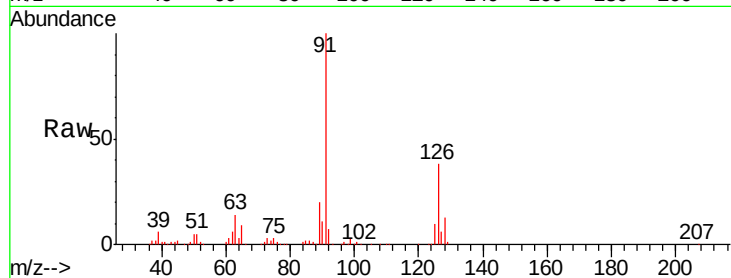
126 37.7 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.49 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051872.D

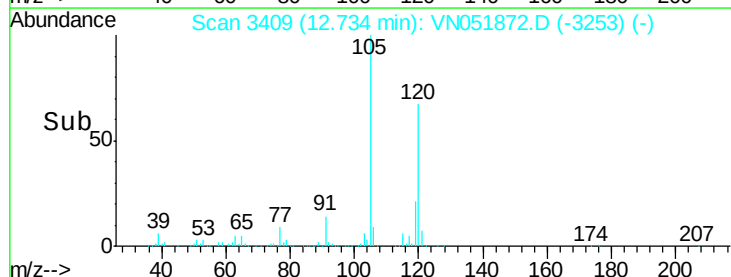
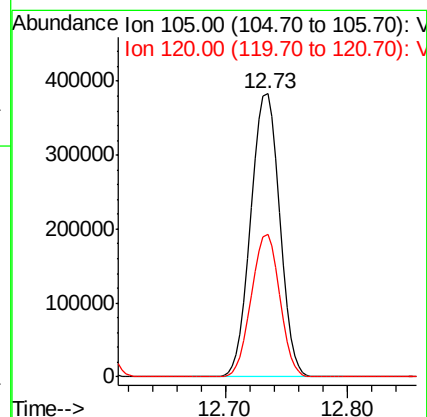
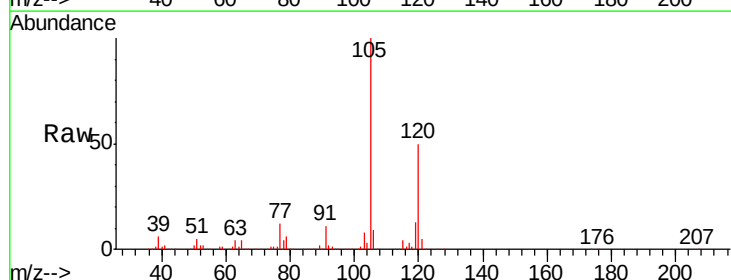
Acq: 15 Oct 2018 14:22

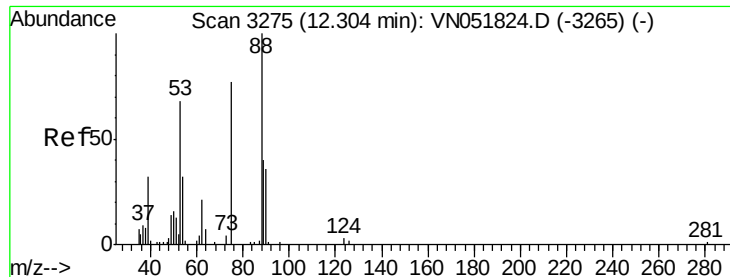
Tgt Ion: 105 Resp: 624680

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.35 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

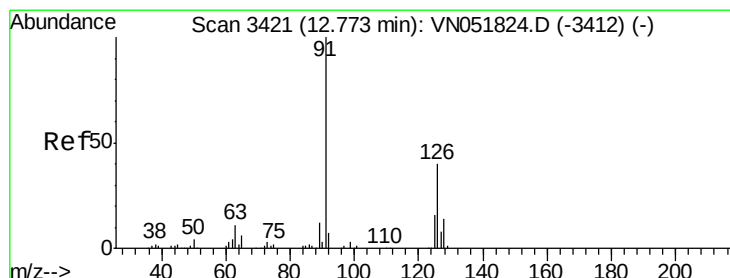
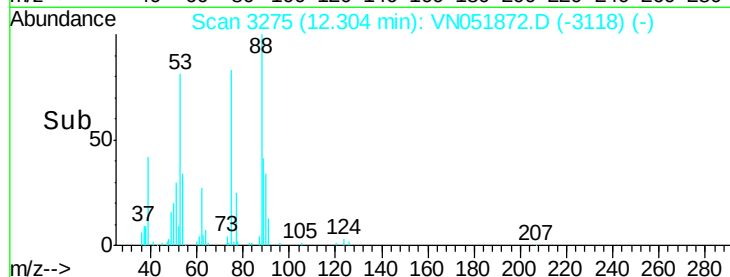
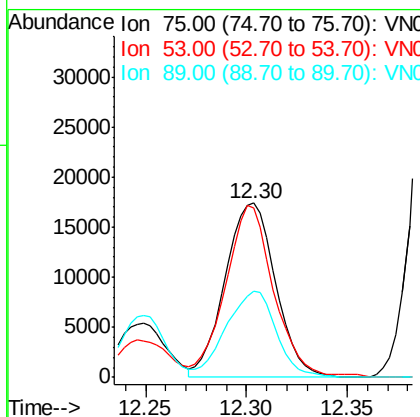
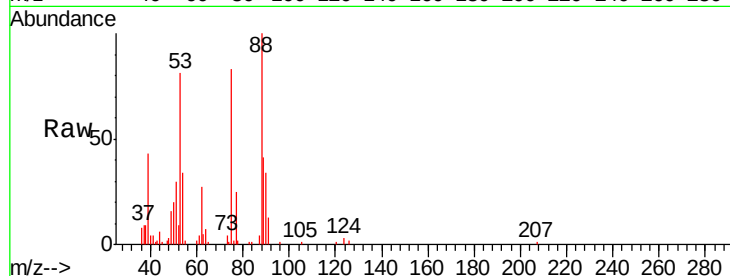
ClientSampleId :

VN1015WBSD01

Tgt Ion:	75	Resp:	30574
Ion	Ratio	Lower	Upper
75	100		
53	95.8	46.3	138.9
89	49.6	24.6	73.8

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#78

4-Chlorotoluene

Concen: 18.49 ug/l

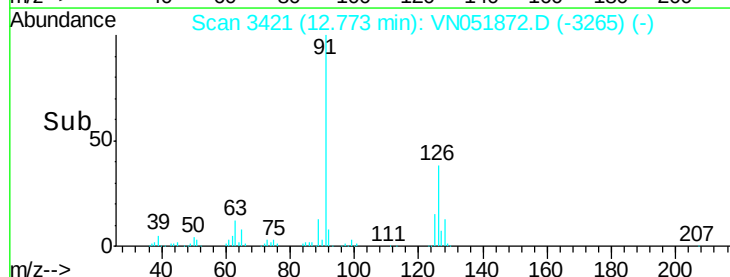
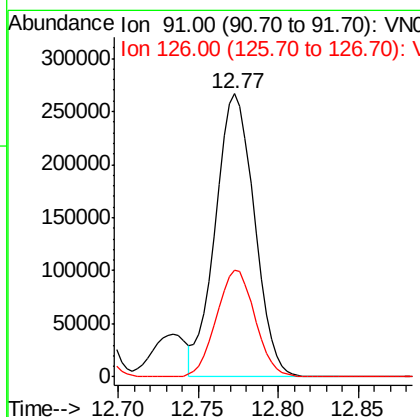
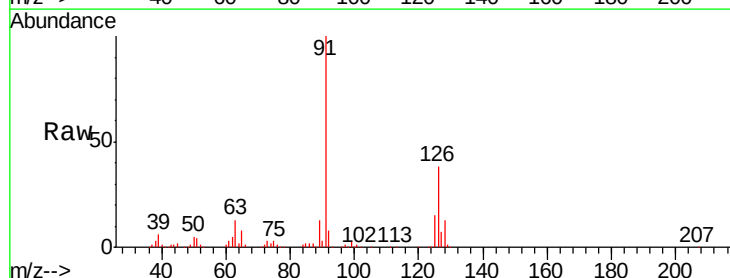
RT: 12.77 min Scan# 3421

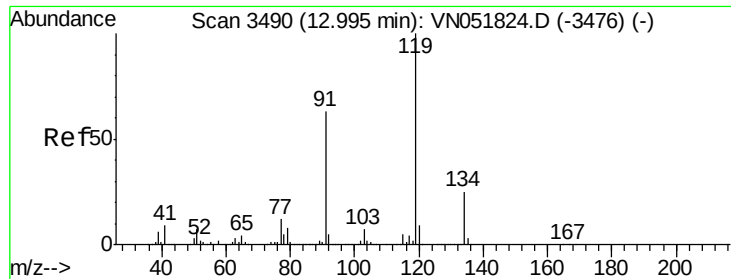
Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion:	91	Resp:	443954
Ion	Ratio	Lower	Upper
91	100		
126	37.4	0.0	65.2





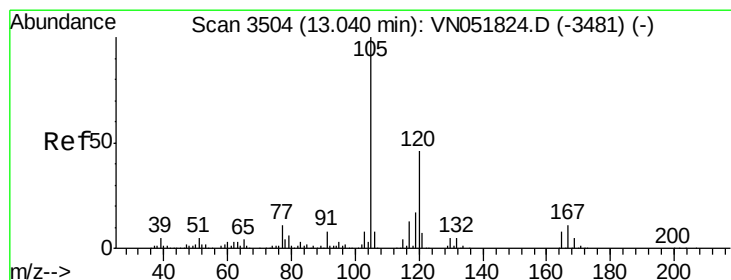
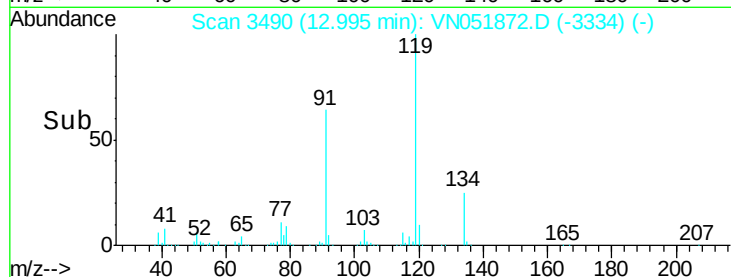
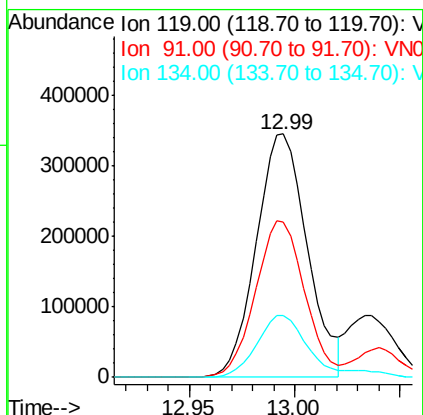
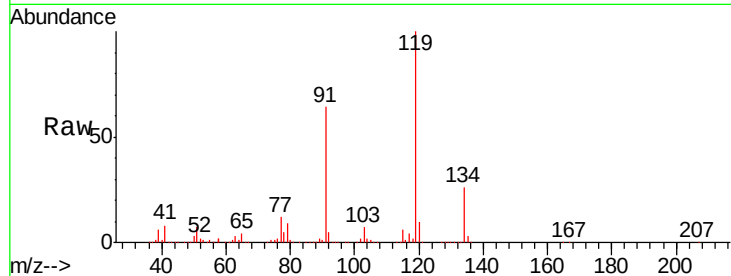
#79
 tert-butylbenzene
 Concen: 19.74 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	581854		
91	61.8	0.0	131.6	
134	24.9	0.0	46.2	

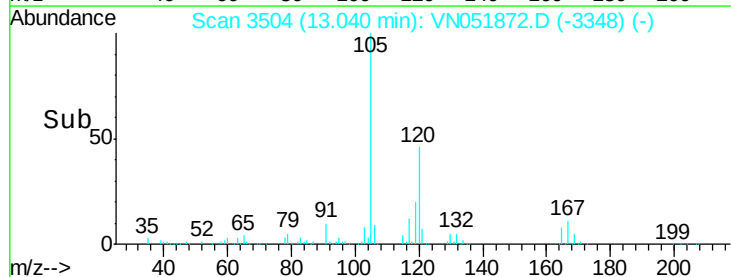
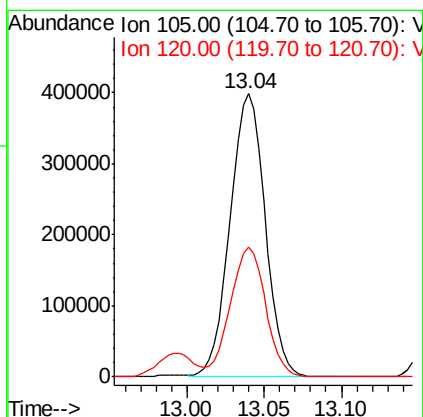
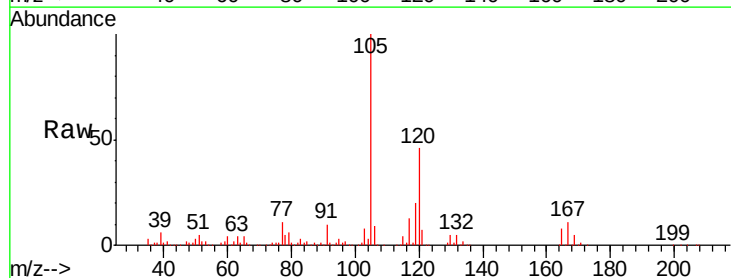
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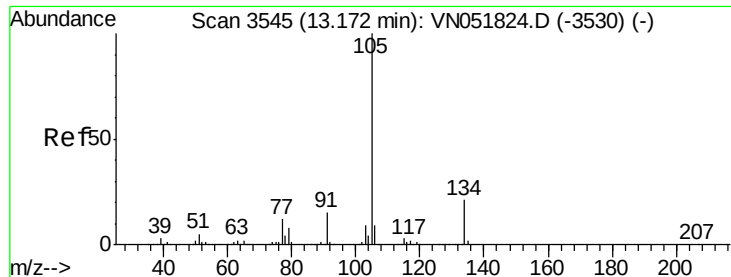
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#80
 1,2,4-Trimethylbenzene
 Concen: 19.59 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	627568		
120	45.9	0.0	89.6	





#81

sec-Butylbenzene

Concen: 19.46 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBSD01

Tgt Ion:105 Resp: 750160

Ion Ratio Lower Upper

105 100

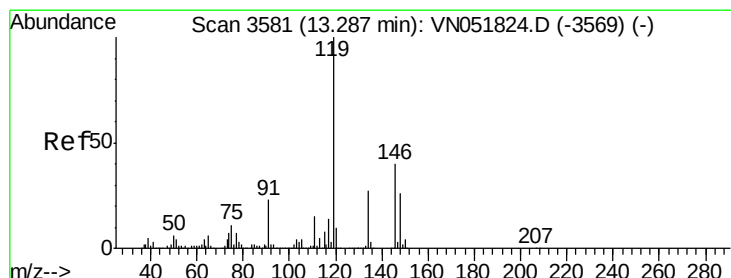
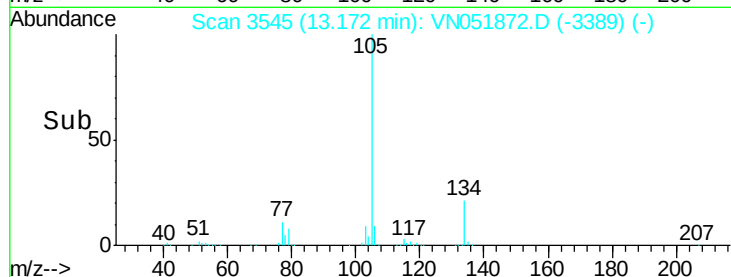
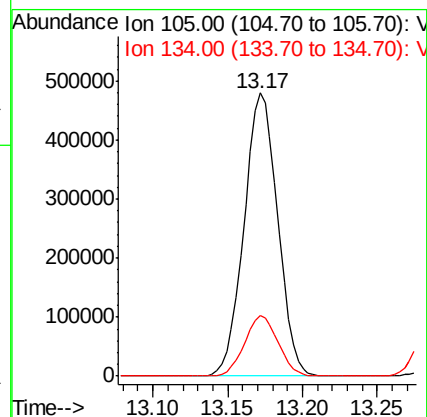
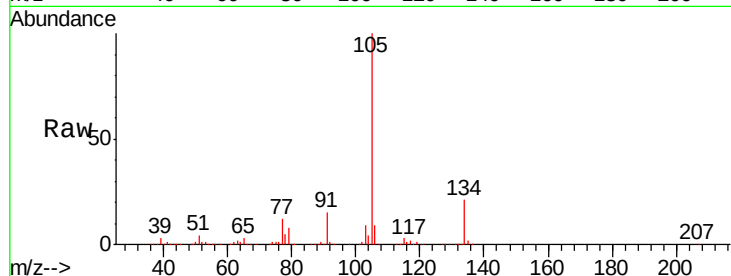
134 21.4 0.0 39.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.04 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

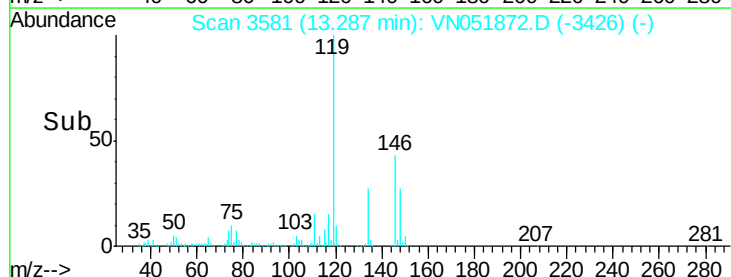
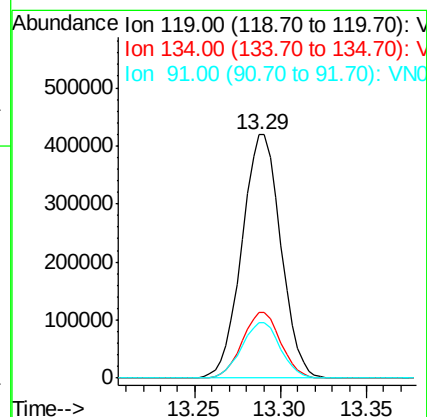
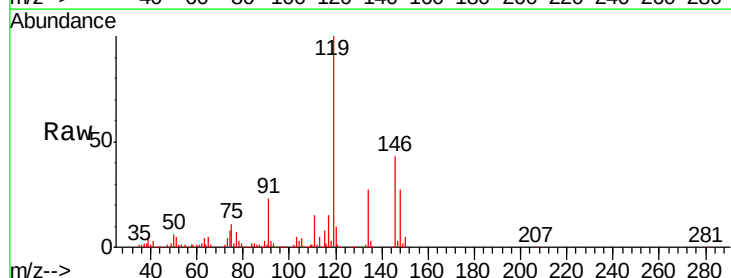
Tgt Ion:119 Resp: 656763

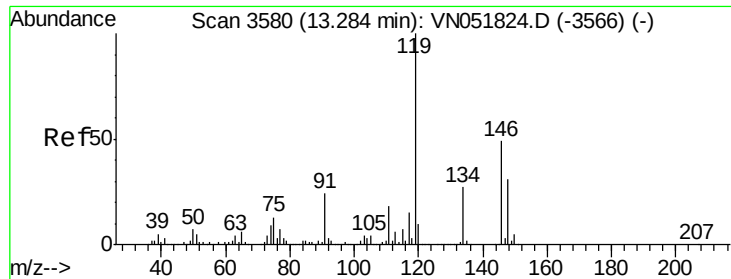
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.6

91 22.9 0.0 52.0





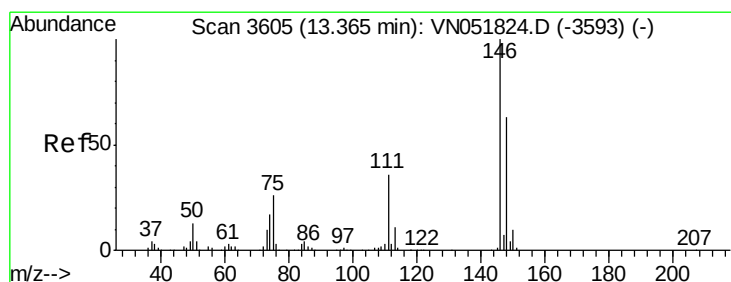
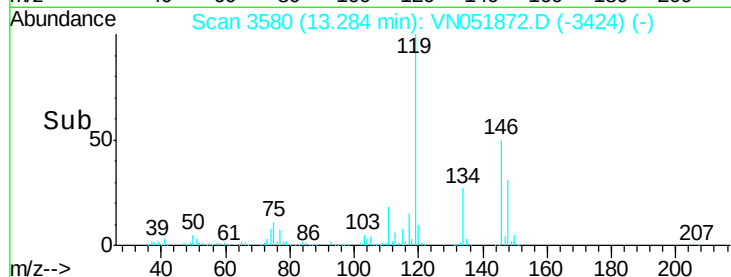
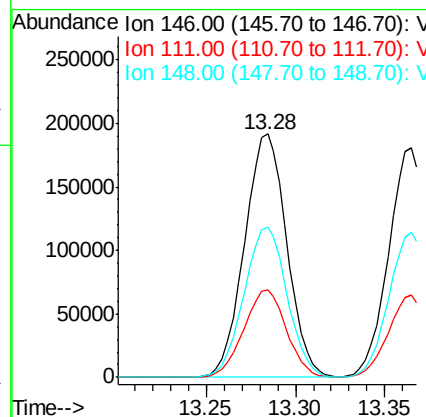
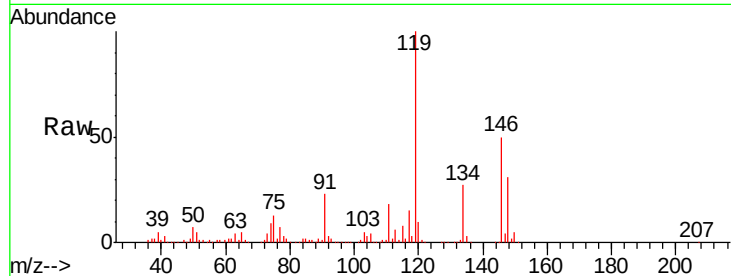
#83
 1,3-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	63.0	31.3	93.8

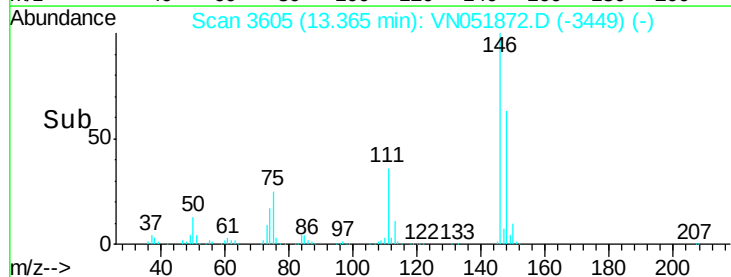
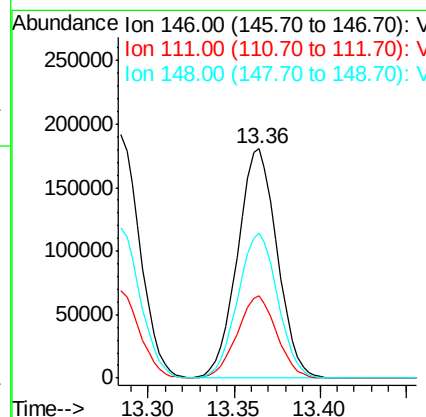
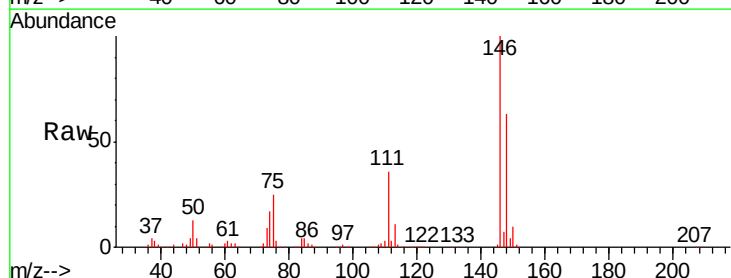
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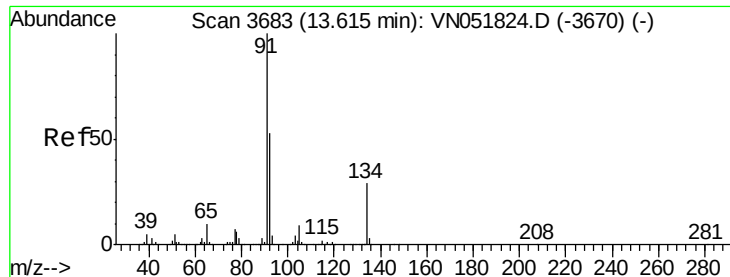
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 10/16/2018 3:56:36 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.15 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.4	52.2
148	63.7	32.8	98.3





#85

n-Butylbenzene

Concen: 18.42 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

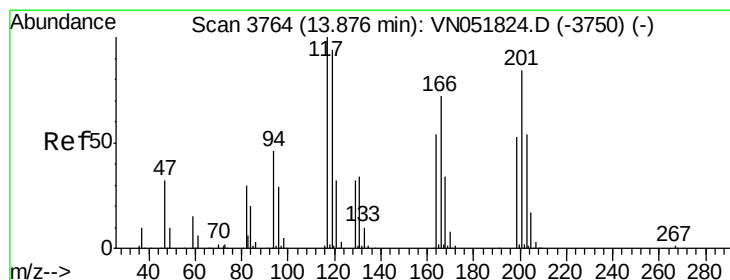
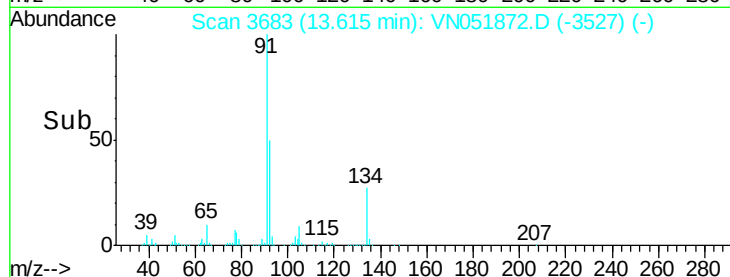
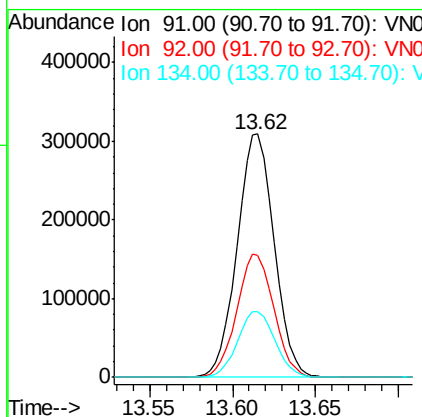
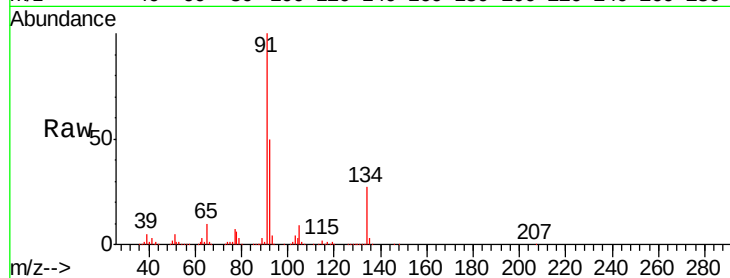
ClientSampleId :

VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	97.4
134	27.5	0.0	49.6

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#86

Hexachloroethane

Concen: 17.51 ug/l

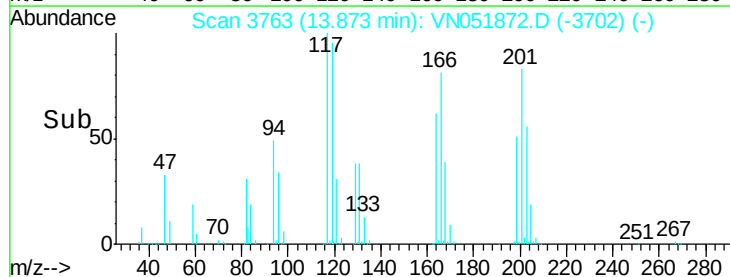
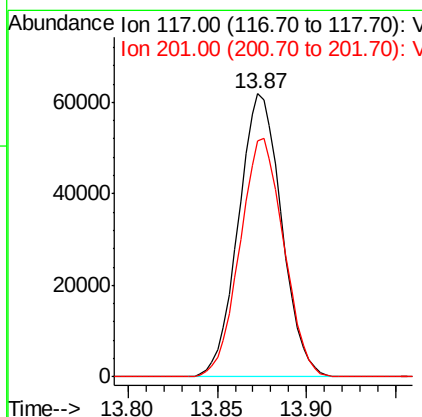
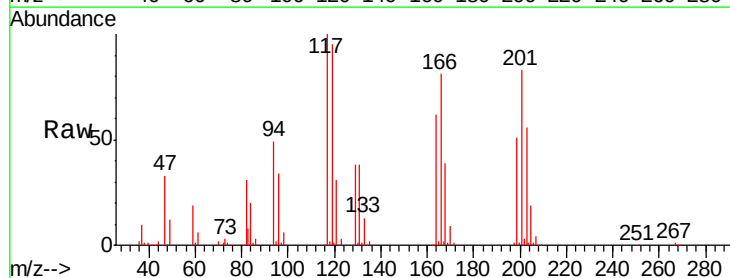
RT: 13.87 min Scan# 3763

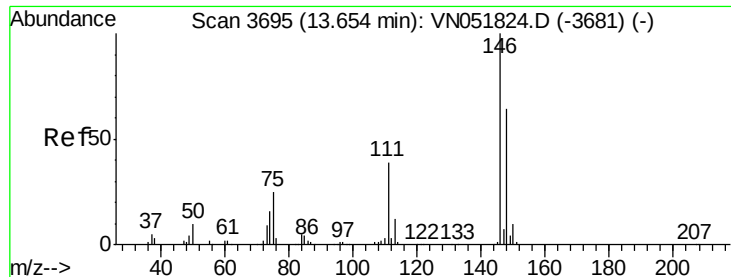
Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	47.8	143.3





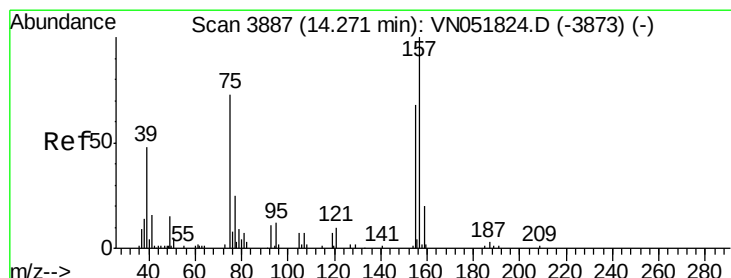
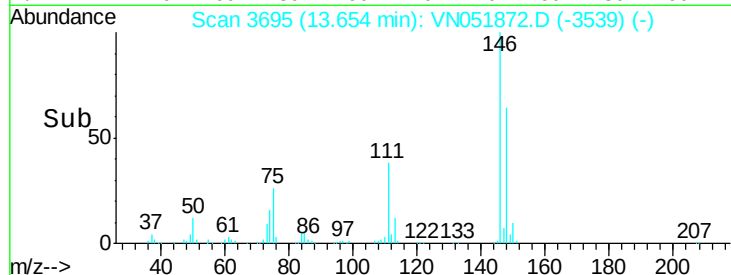
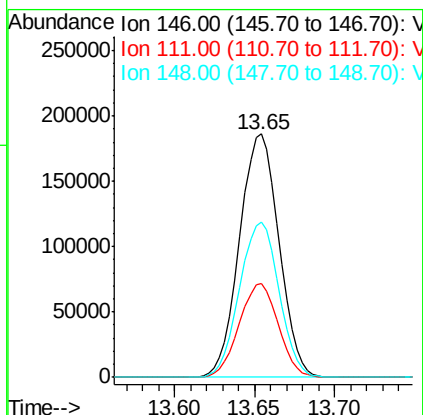
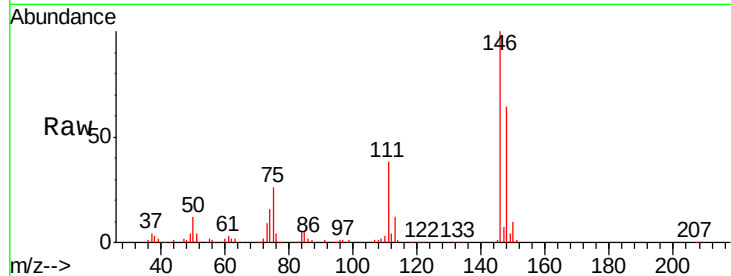
#87
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	63.9	33.2	99.6

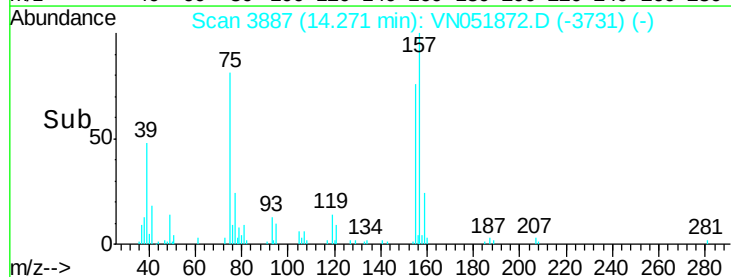
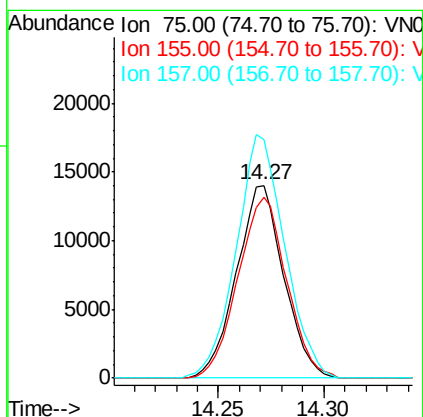
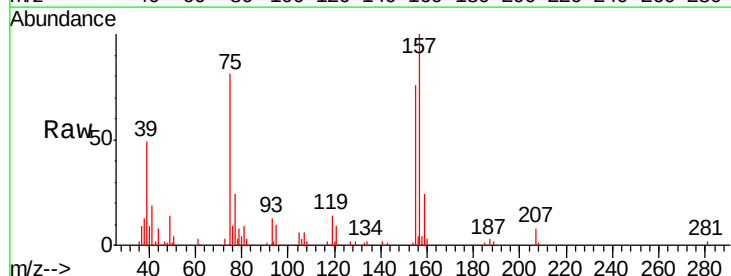
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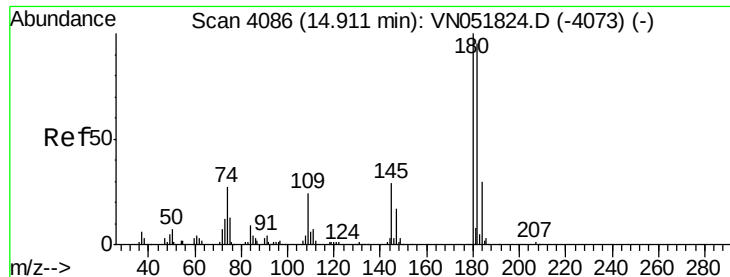
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.11 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	57.0	85.6#
157	129.9	87.4	131.0





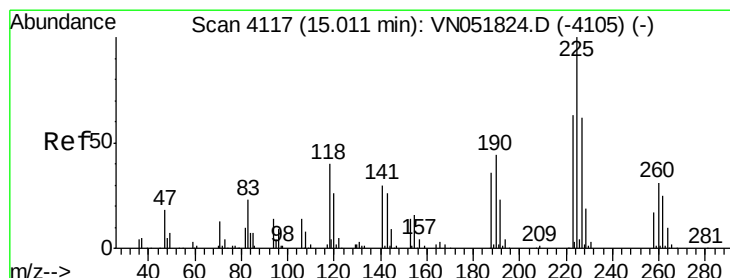
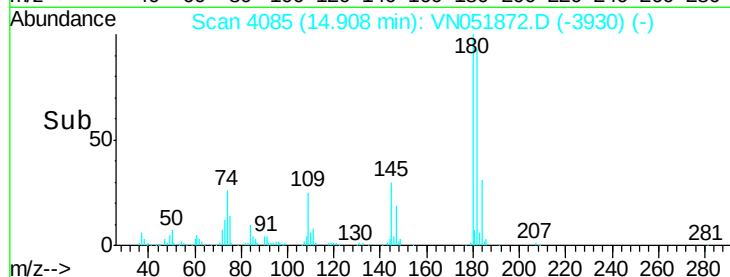
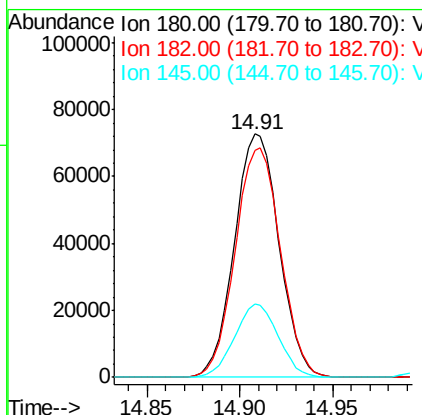
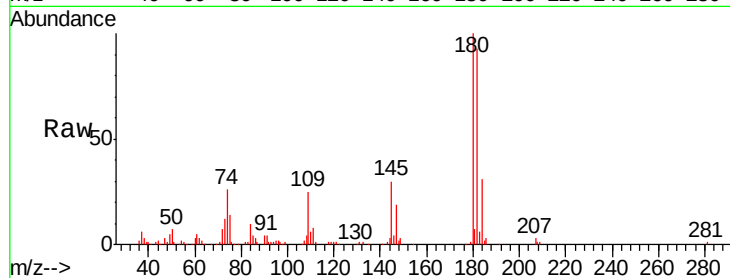
#89
 1,2,4-Trichlorobenzene
 Concen: 18.96 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.7	116.5
145	29.4	23.4	35.2

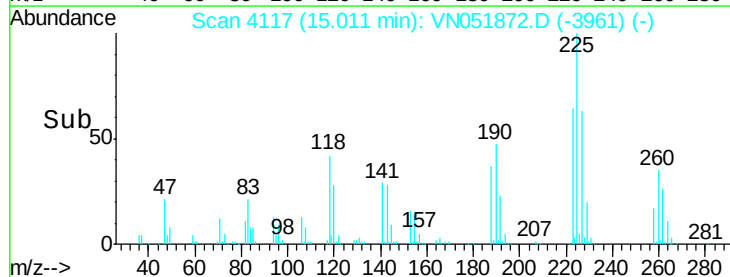
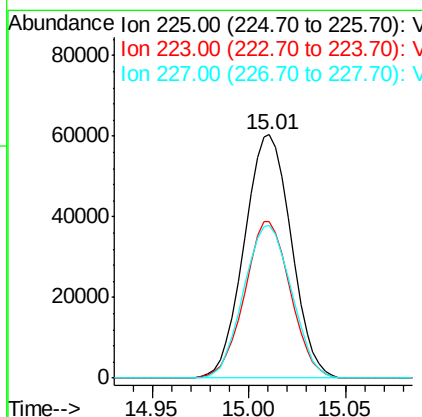
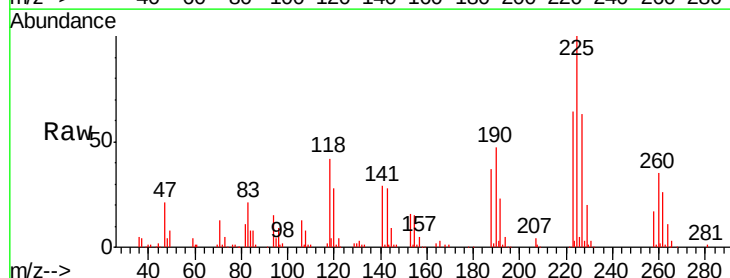
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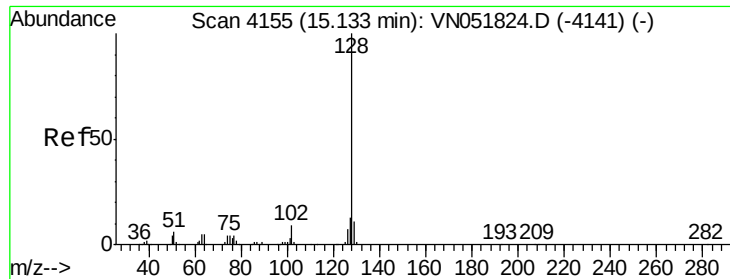
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#90
 Hexachlorobutadiene
 Concen: 19.28 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	117.0
227	64.1	0.0	127.0





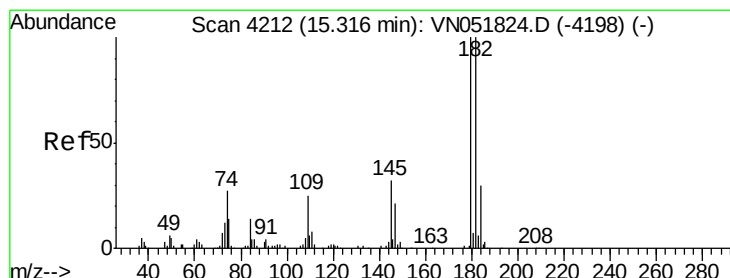
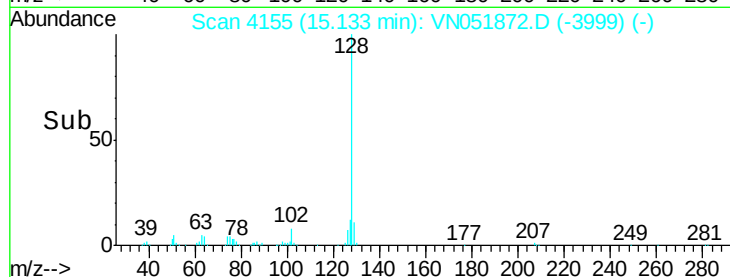
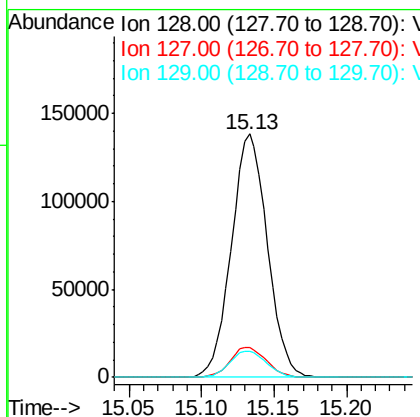
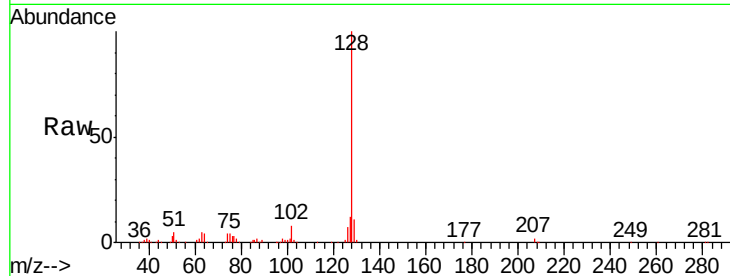
#91
Naphthalene
Concen: 19.15 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.1	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.92 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	198.0
145	31.5	0.0	36.8

