

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051830.D
 Acq On : 12 Oct 2018 14:12
 Operator : MD\SY
 Sample : VN1012WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:53 AM

Quant Time: Oct 12 16:24:54 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	7.20	128	133694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	762421	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	670350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258772	31.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.03%
60) 4-Bromofluorobenzene	12.40	95	286248	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	10.09	98	907353	31.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94336	18.16	ug/l	99
3) Chloromethane	2.06	50	110305	20.09	ug/l	98
4) Vinyl Chloride	2.18	62	167508	20.43	ug/l	99
5) Bromomethane	2.57	94	145143	20.04	ug/l	84
6) Chloroethane	2.70	64	124187	21.02	ug/l	98
7) Trichlorofluoromethane	3.01	101	242272	20.73	ug/l	97
8) Diethyl Ether	3.41	74	69512	20.43	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137147	20.61	ug/l #	42
10) 1,1-Dichloroethene	3.74	96	122604	19.92	ug/l	88
11) Methyl Iodide	3.95	142	167342	18.70	ug/l	95
12) Methyl Acetate	4.33	43	79081	20.69	ug/l	96
13) Acrolein	3.61	56	22283	88.48	ug/l	87
14) Acrylonitrile	4.99	53	168919	98.88	ug/l #	58
15) Acetone	3.82	58	39484	93.50	ug/l	97
16) Carbon Disulfide	4.05	76	307631	19.03	ug/l	99
17) Allyl chloride	4.33	41	144855	19.82	ug/l	77
18) Methylene Chloride	4.55	84	137352	19.96	ug/l	89
19) trans-1,2-Dichloroethene	5.05	96	139870	19.90	ug/l	84
20) Diisopropyl ether	5.95	45	328102	20.16	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	229467	20.18	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	163827	19.84	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	43963	97.71	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	362087	20.42	ug/l #	64
25) Chloroform	7.37	83	273247	20.25	ug/l	96
26) Cyclohexane	7.65	56	193513	20.07	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	192950	19.63	ug/l	93
30) 2-Butanone	6.84	43	191105	93.04	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	202780	17.54	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	252157	19.35	ug/l	95
33) Carbon Tetrachloride	7.77	117	227624	19.31	ug/l	92
34) Benzene	8.04	78	573610	19.73	ug/l #	67
35) Methacrylonitrile	7.20	41	58679m	21.74	ug/l	
36) 1,2-Dichloroethane	8.12	62	182738	19.62	ug/l	97
37) Trichloroethene	8.83	130	174799	19.37	ug/l	97
38) Methylcyclohexane	9.08	83	243517	19.32	ug/l	80
39) 1,2-Dichloropropane	9.12	63	132832	19.40	ug/l	94
40) Dibromomethane	9.21	93	98459	19.38	ug/l	95

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
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 VN1012WBS01

Manual Integrations
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Quant Time: Oct 12 16:24:54 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)
41) Bromodichloromethane	9.40	83	201427	19.19	ug/l	93
42) Vinyl Acetate	5.90	43	1132939	97.98	ug/l #	90
43) Ethyl Acetate	6.93	43	87721	19.67	ug/l #	66
44) Isopropyl Acetate	8.17	43	179327	20.13	ug/l	97
45) 1,4-Dioxane	9.20	88	27287	381.46	ug/l #	74
46) Methyl methacrylate	9.20	41	82604	20.10	ug/l	75
47) n-amyl Acetate	12.25	43	1836	0.25	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	187978	18.37	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	214831	19.04	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	136864	19.50	ug/l	94
51) Ethyl methacrylate	10.43	69	157319	19.57	ug/l	84
52) 1,3-Dichloropropane	10.71	76	211682	19.54	ug/l	99
53) Dibromochloromethane	10.90	129	154873	17.83	ug/l	98
54) 1,2-Dibromoethane	11.01	107	140861	19.12	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	337413	98.20	ug/l #	93
56) Bromoform	12.13	173	97365	17.00	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	474901	105.86	ug/l #	89
59) 2-Hexanone	10.75	43	296337	97.92	ug/l #	91
61) Tetrachloroethene	10.63	164	177761	20.74	ug/l	97
62) Toluene	10.16	91	676841	20.32	ug/l	99
64) Chlorobenzene	11.43	112	433511	19.88	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	164290	19.63	ug/l	99
66) Ethyl Benzene	11.51	91	736405	20.01	ug/l	99
67) m/p-Xylenes	11.62	106	581943	39.00	ug/l	99
68) o-Xylene	11.95	106	293370	19.94	ug/l	90
69) Styrene	11.96	104	430108	19.06	ug/l	97
70) Isopropylbenzene	12.25	105	771102	19.66	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	157023	20.27	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	107253m	17.60	ug/l	
73) Bromobenzene	12.53	156	186153	19.16	ug/l	83
74) n-propylbenzene	12.59	91	831731	19.71	ug/l	96
75) 2-Chlorotoluene	12.67	91	495528	20.03	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	647491	19.96	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	32199	15.98	ug/l	97
78) 4-Chlorotoluene	12.77	91	472205	19.43	ug/l	93
79) tert-butylbenzene	12.99	119	593621	19.90	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	635507	19.60	ug/l	97
81) sec-Butylbenzene	13.17	105	767366	19.66	ug/l	98
82) p-Isopropyltoluene	13.29	119	677181	19.39	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316455	18.46	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	296920	18.40	ug/l	98
85) n-Butylbenzene	13.62	91	499700	18.98	ug/l	96
86) Hexachloroethane	13.88	117	110768	18.40	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	313269	18.87	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22546	19.49	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	121051	18.78	ug/l	99
90) Hexachlorobutadiene	15.01	225	102458	19.15	ug/l	98
91) Naphthalene	15.13	128	235278	18.90	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	130361	17.26	ug/l	93

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

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

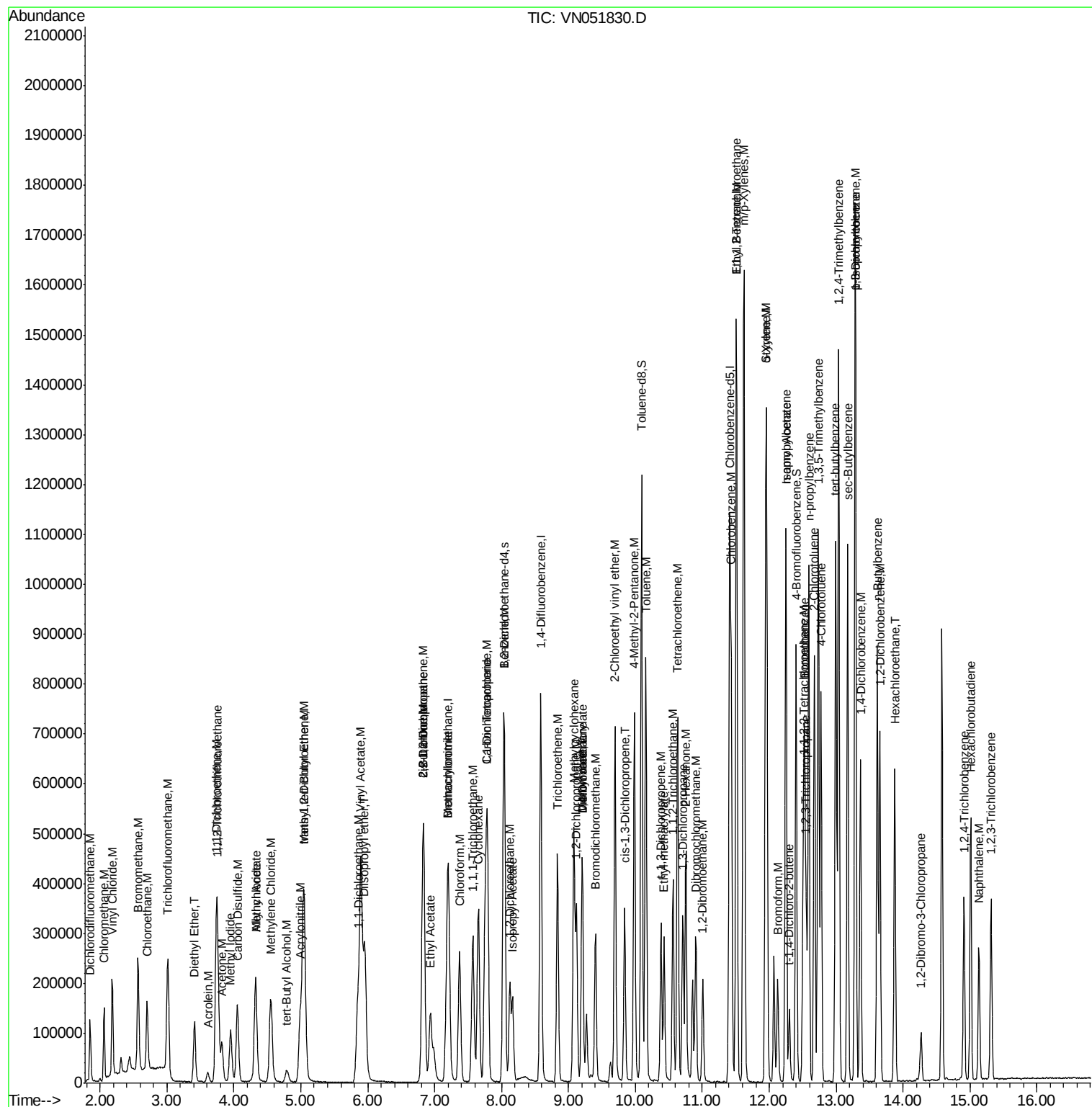
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Data File : VN051830.D
Acq On : 12 Oct 2018 14:12
Operator : MD\SY
Sample : VN1012WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

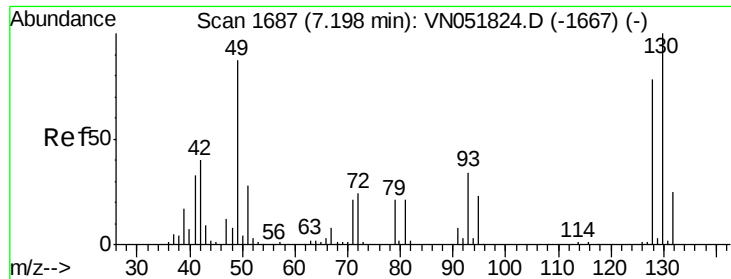
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Manual Integrations
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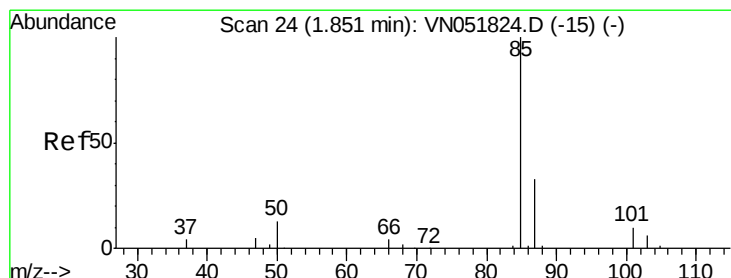
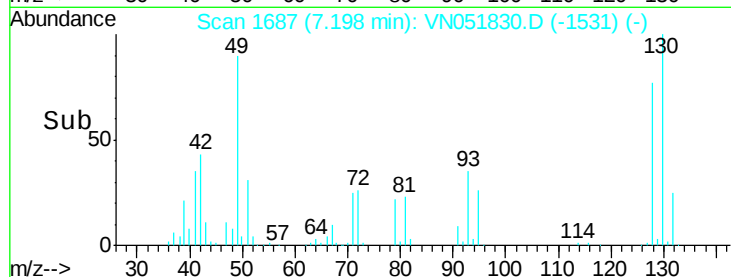
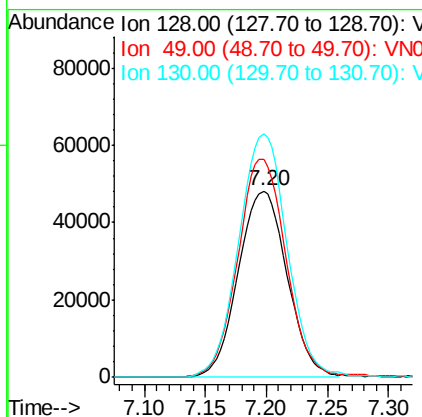
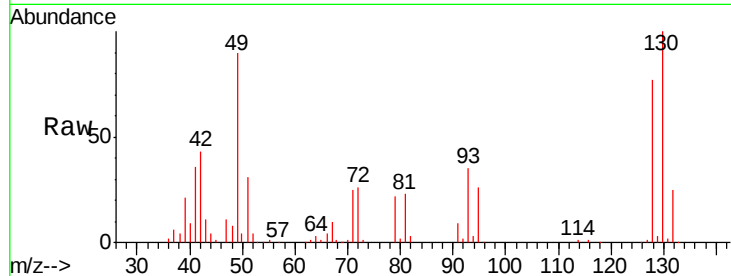
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	133694		
49	115.6	0.0	403.3	
130	129.1	0.0	326.0	

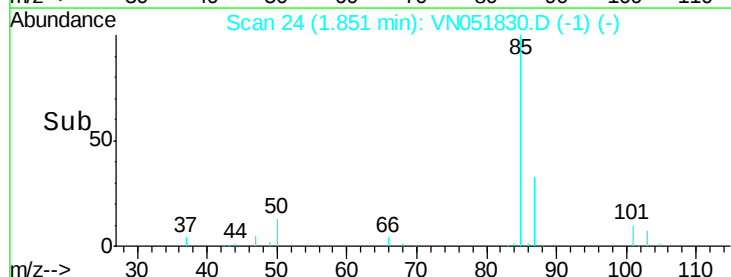
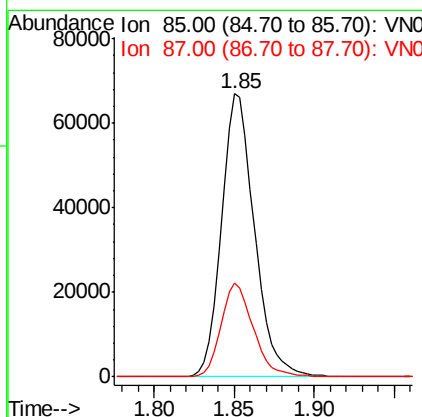
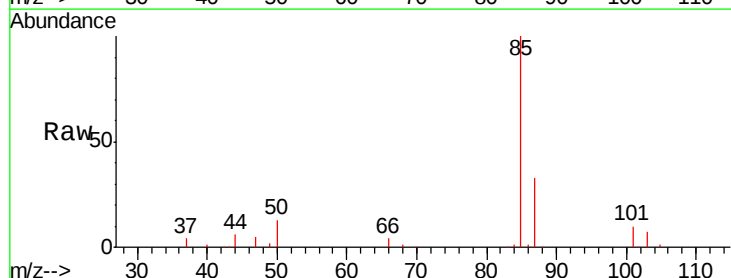
Manual Integrations
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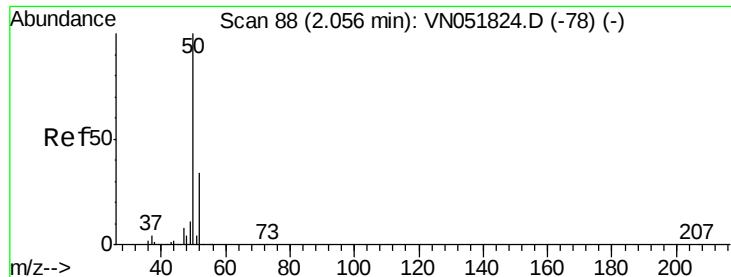
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#2
 Dichlorodifluoromethane
 Concen: 18.16 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	94336		
87	33.0	16.3	48.8	





#3

Chloromethane

Concen: 20.09 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 50 Resp: 110305

Ion Ratio Lower Upper

50 100

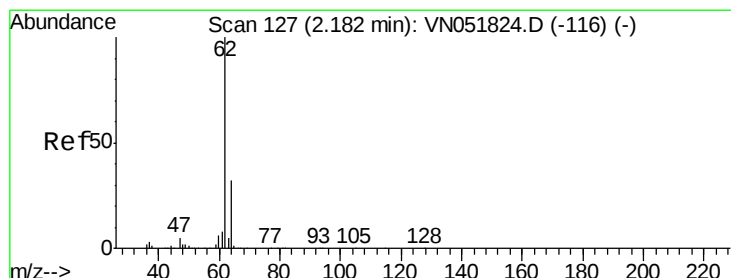
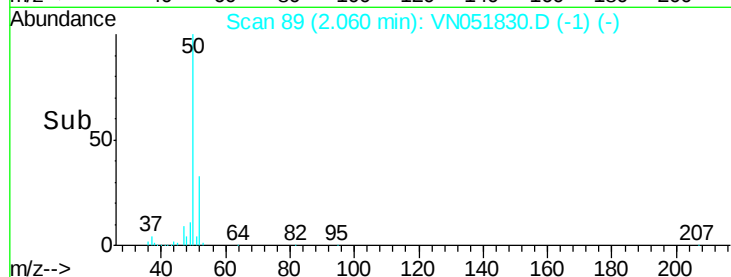
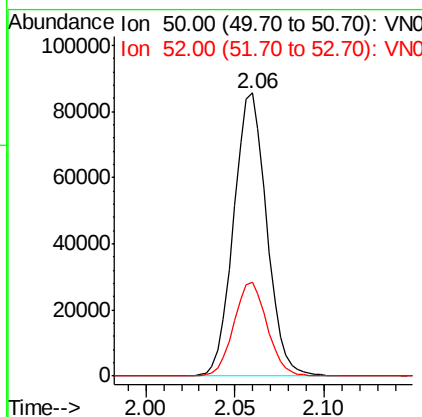
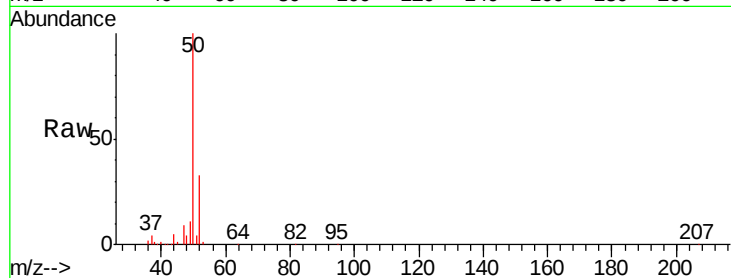
52 33.0 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.43 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051830.D

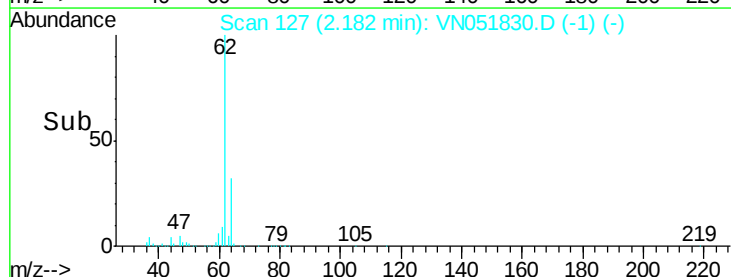
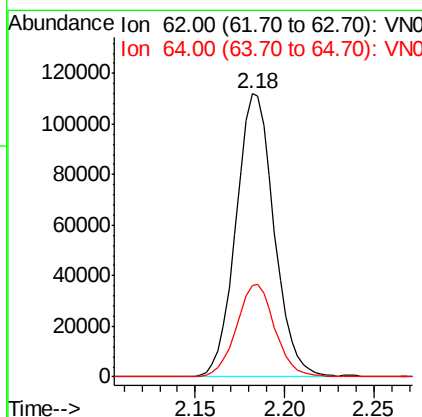
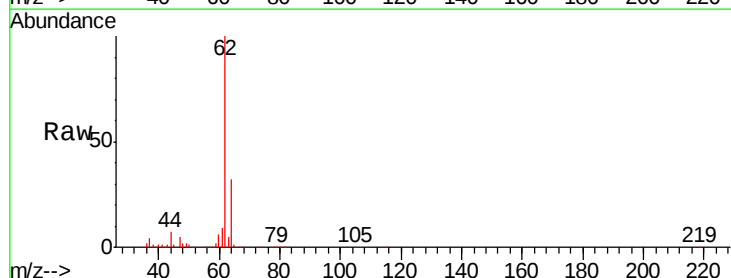
Acq: 12 Oct 2018 14:12

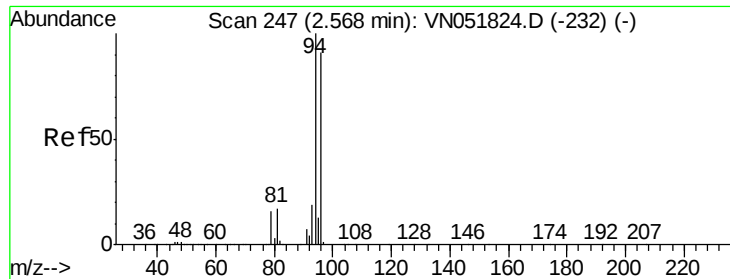
Tgt Ion: 62 Resp: 167508

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 20.04 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 94 Resp: 145143

Ion Ratio Lower Upper

94 100

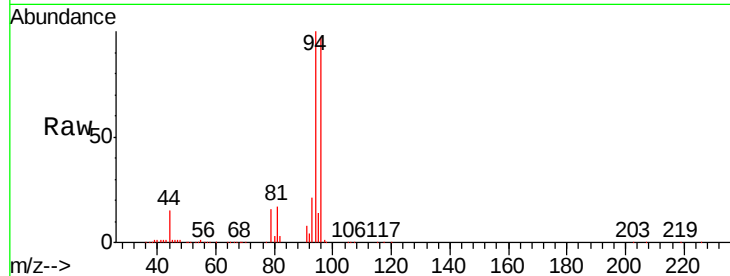
96 97.1 66.4 99.6

Manual Integrations

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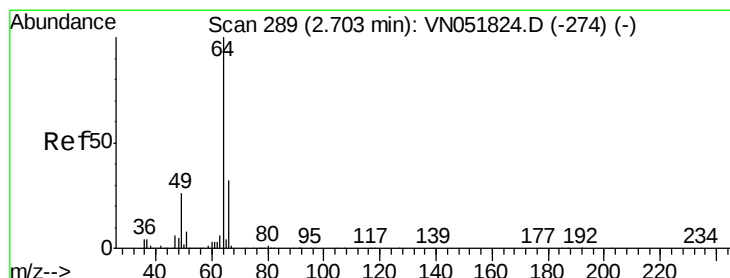
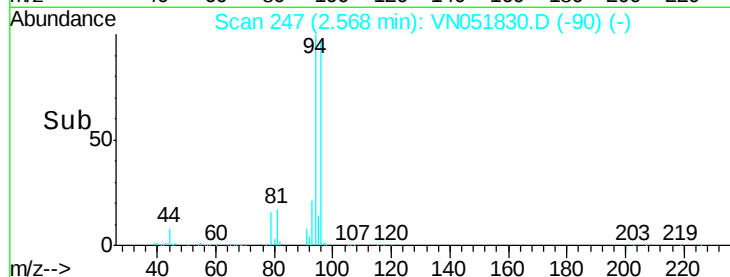
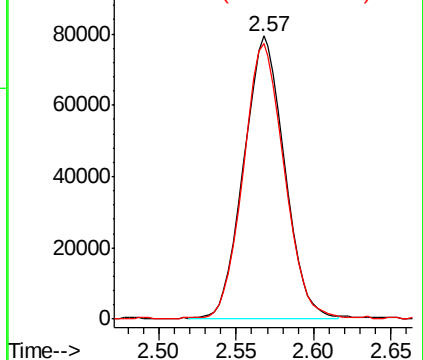
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.02 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051830.D

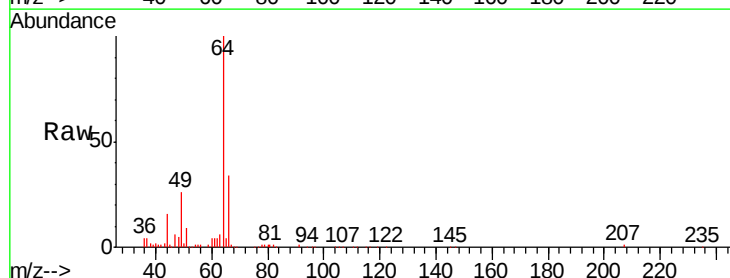
Acq: 12 Oct 2018 14:12

Tgt Ion: 64 Resp: 124187

Ion Ratio Lower Upper

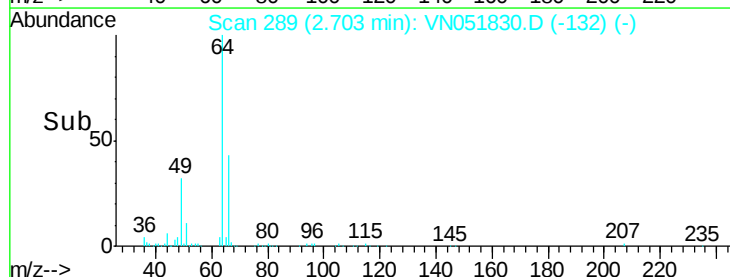
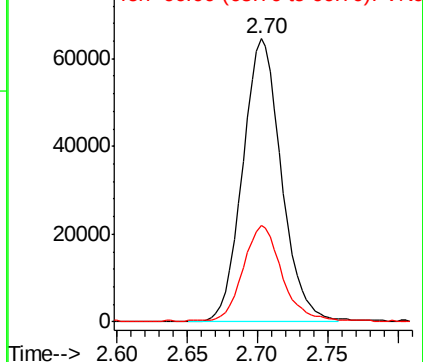
64 100

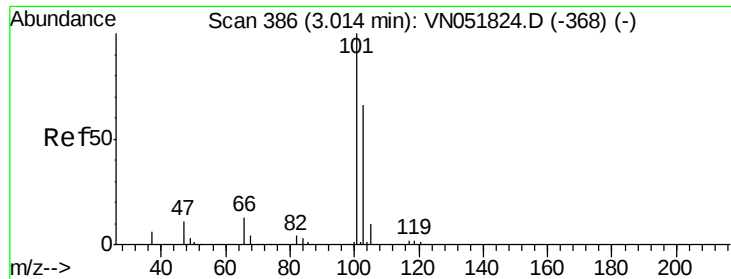
66 33.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

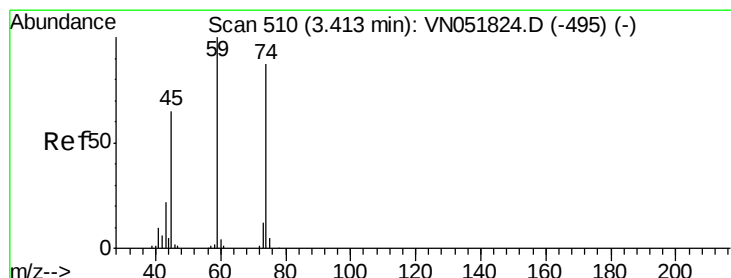
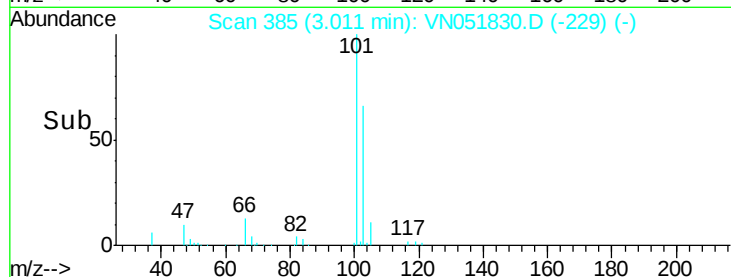
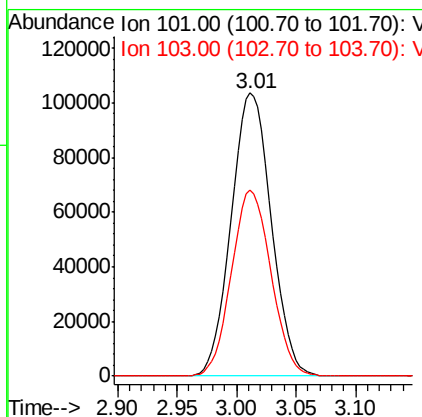
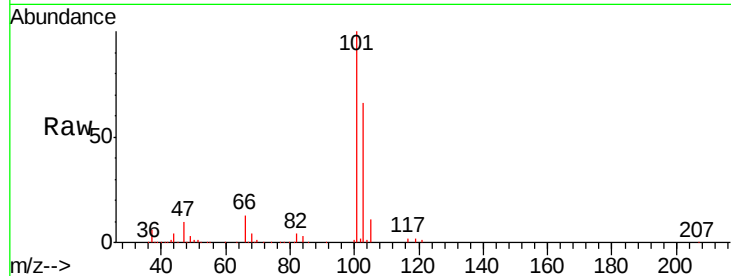
Trichlorofluoromethane
Concen: 20.73 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	242272		
103	65.9	54.8	82.2	

Manual Integrations
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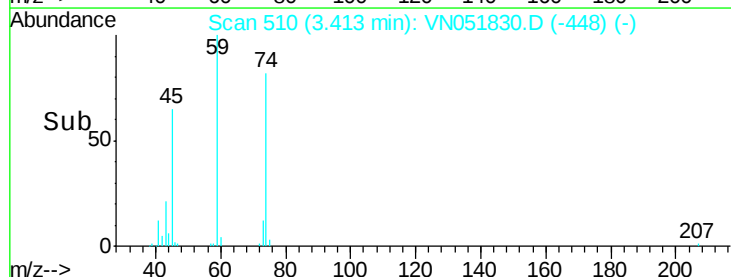
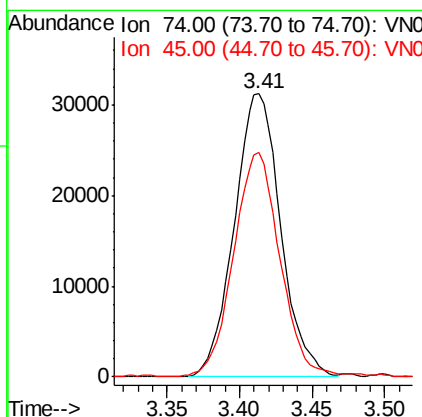
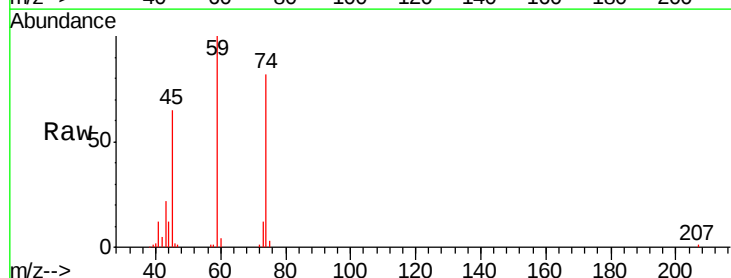
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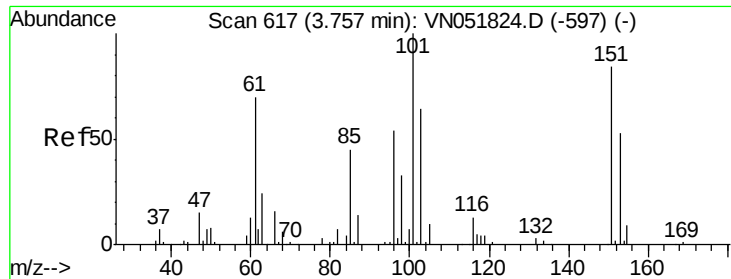


#8

Diethyl Ether
Concen: 20.43 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69512		
45	79.1	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

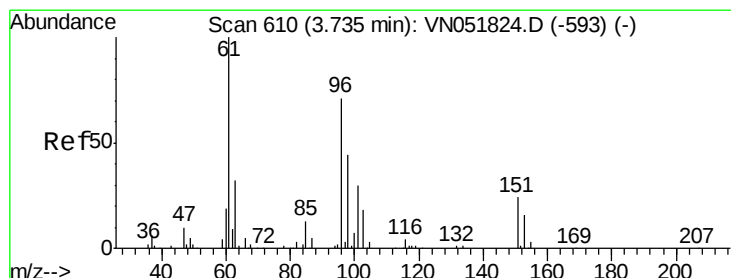
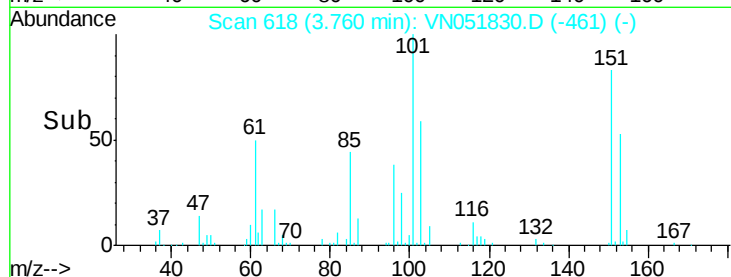
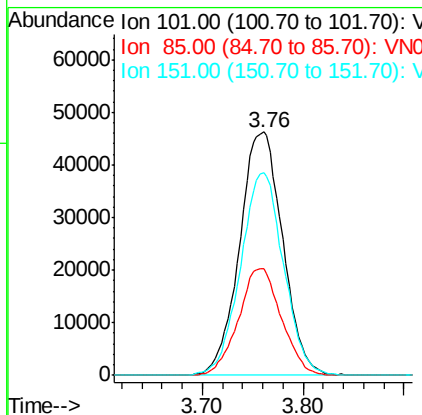
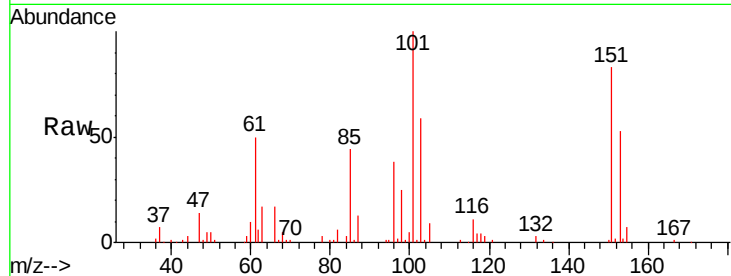
ClientSampleId :

VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	137147		
85	43.7	0.0	46.0	
151	83.1	0.0	82.2#	

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#10

1,1-Dichloroethene

Concen: 19.92 ug/l

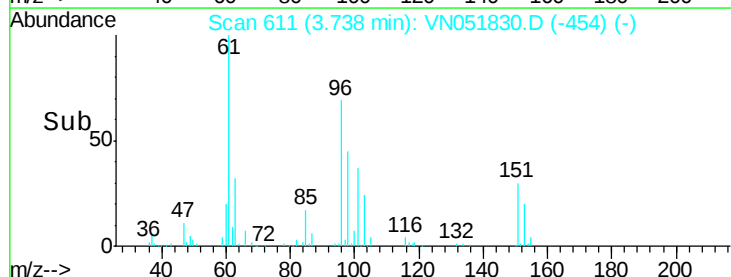
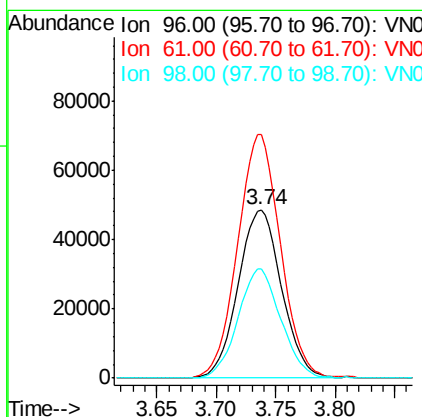
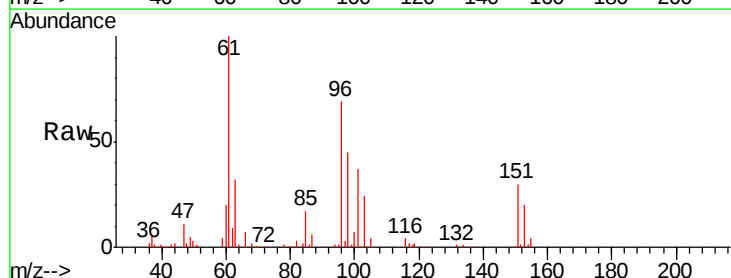
RT: 3.74 min Scan# 611

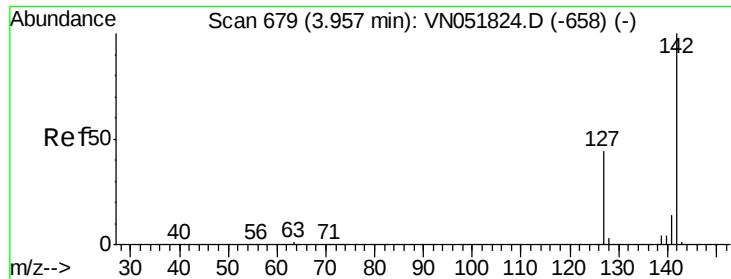
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	122604		
61	144.1	133.0	199.6	
98	64.7	52.6	78.8	





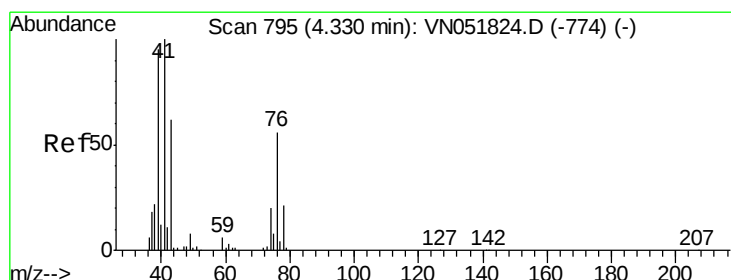
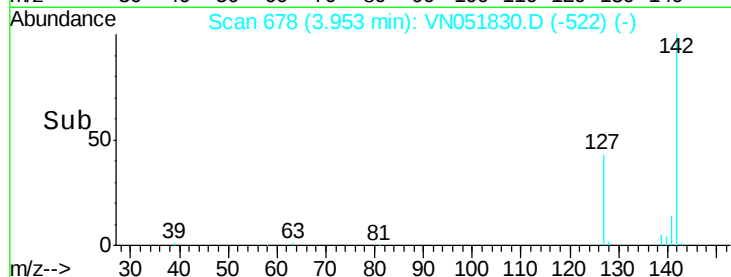
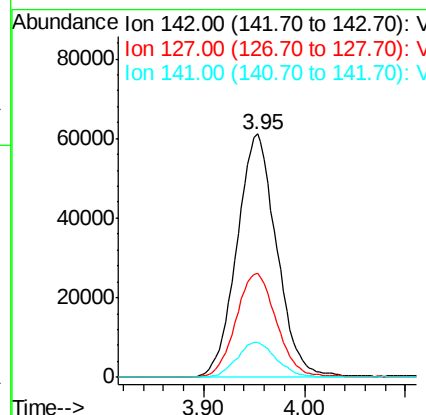
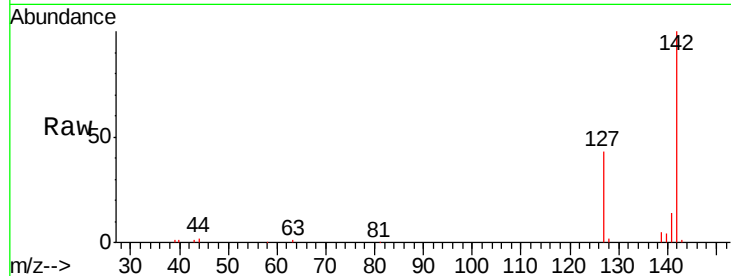
#11
Methyl Iodide
Concen: 18.70 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	19.7	59.0
141	14.5	6.3	18.9

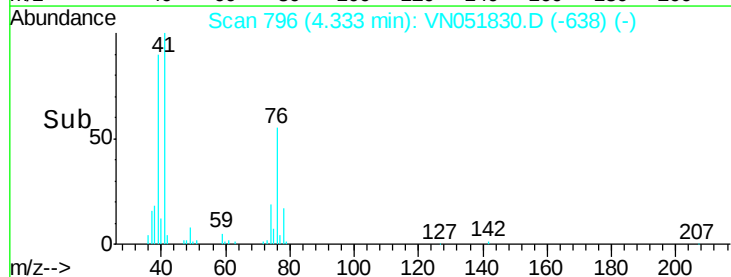
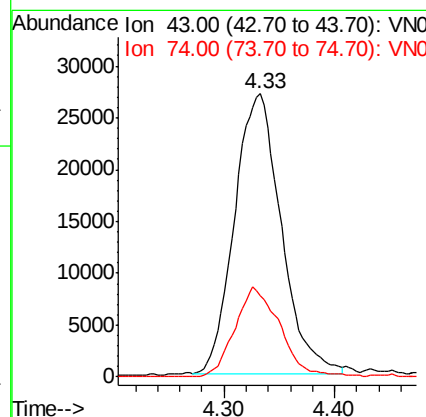
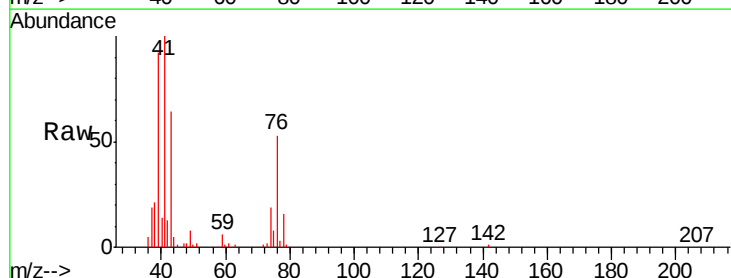
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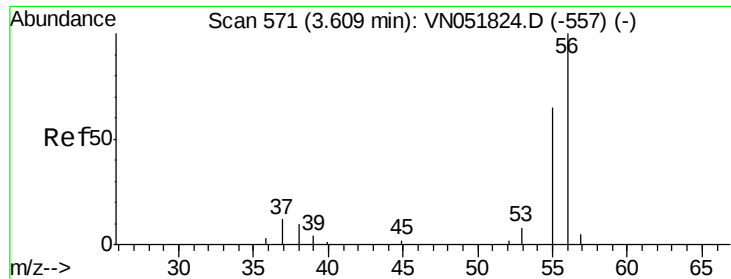
MMDadoda
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#12
Methyl Acetate
Concen: 20.69 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.2	21.8	32.6





#13

Acrolein

Concen: 88.48 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 56 Resp: 22283

Ion Ratio Lower Upper

56 100

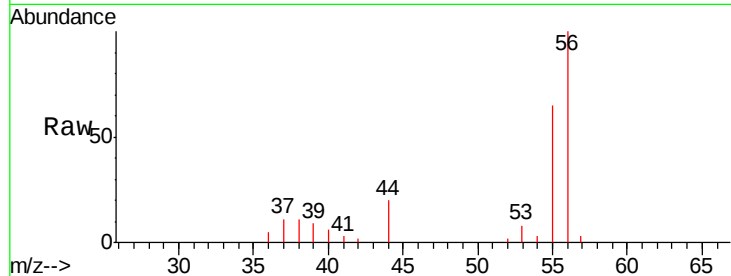
55 68.2 64.0 96.0

Manual Integrations

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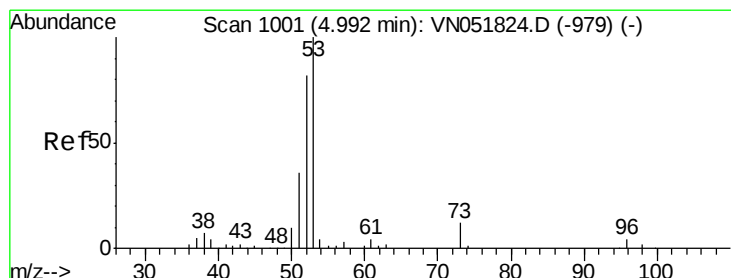
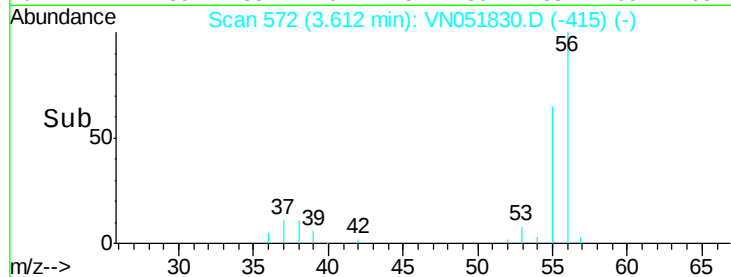
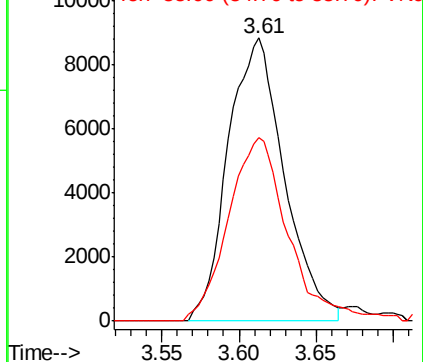
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.88 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

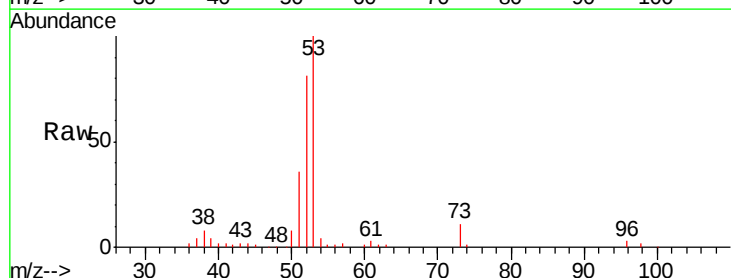
Tgt Ion: 53 Resp: 168919

Ion Ratio Lower Upper

53 100

52 85.4 18.3 54.8#

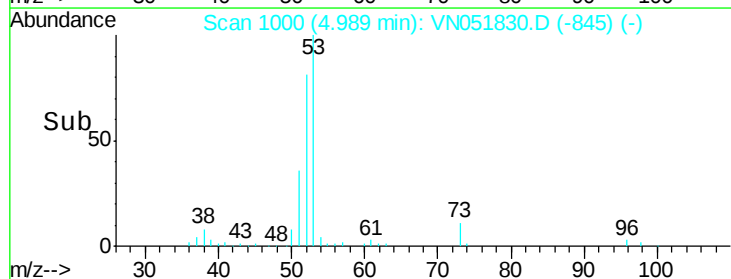
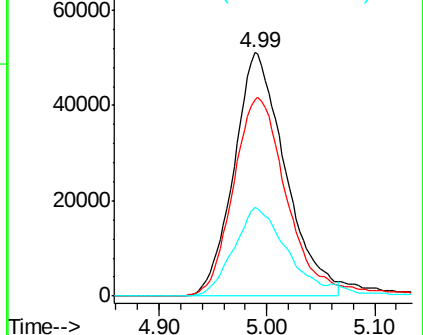
51 37.0 19.7 59.1

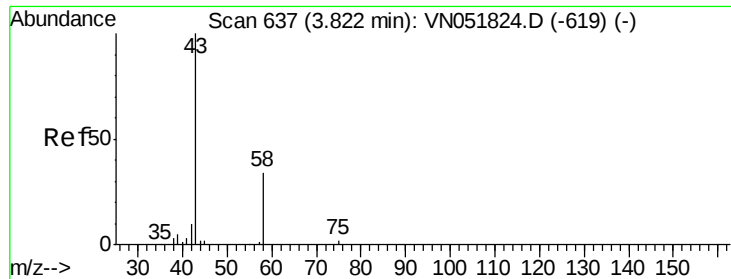


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 93.50 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 58 Resp: 39484

Ion Ratio Lower Upper

58 100

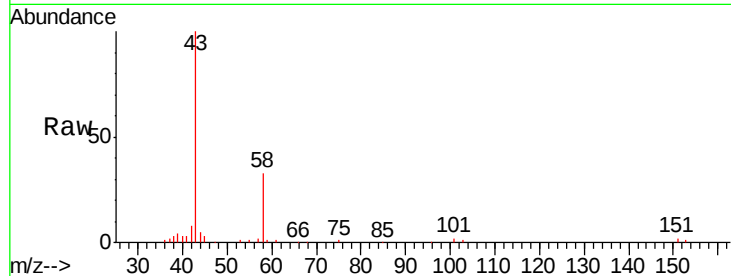
43 295.3 232.2 348.2

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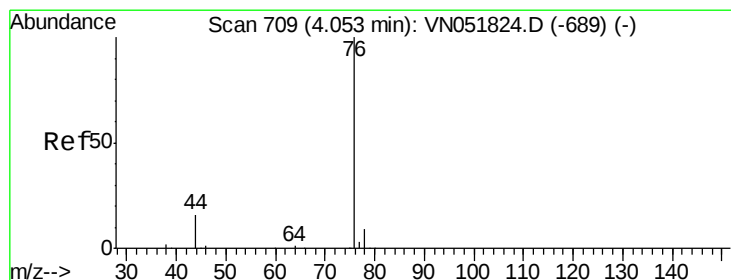
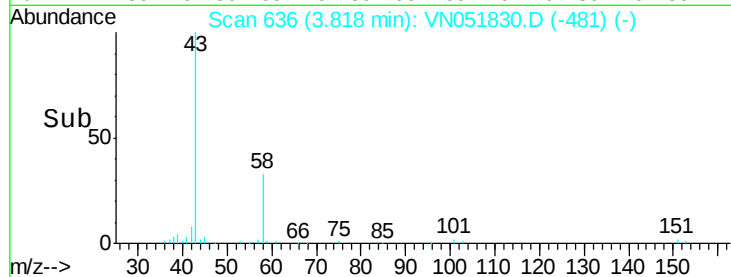
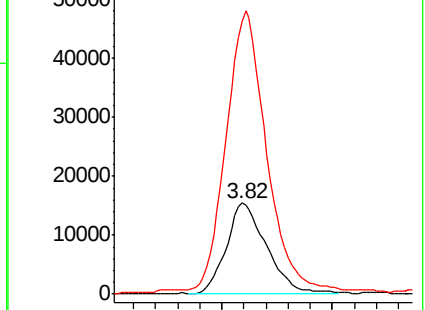
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Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)



#16

Carbon Disulfide

Concen: 19.03 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051830.D

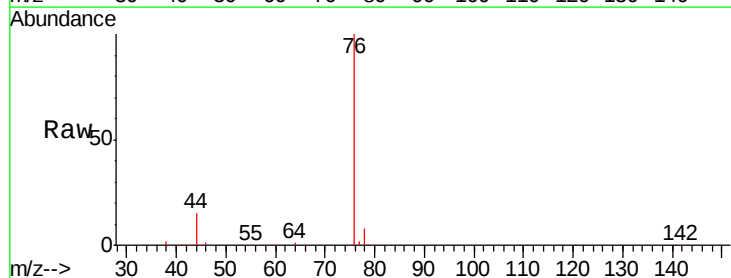
Acq: 12 Oct 2018 14:12

Tgt Ion: 76 Resp: 307631

Ion Ratio Lower Upper

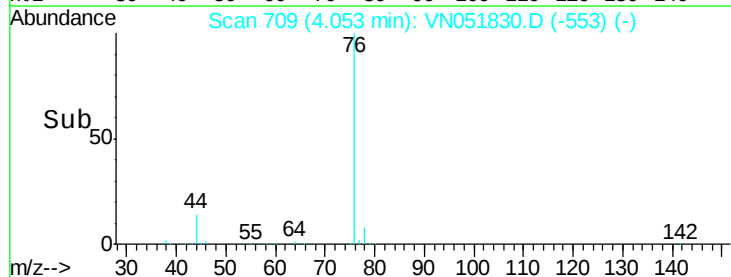
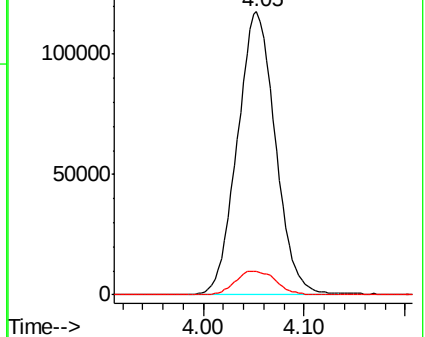
76 100

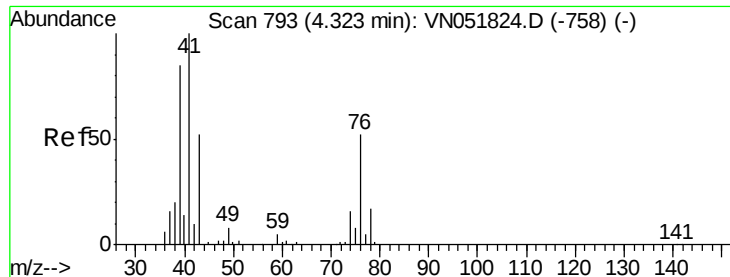
78 8.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-689) (-)





#17

Allyl chloride

Concen: 19.82 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

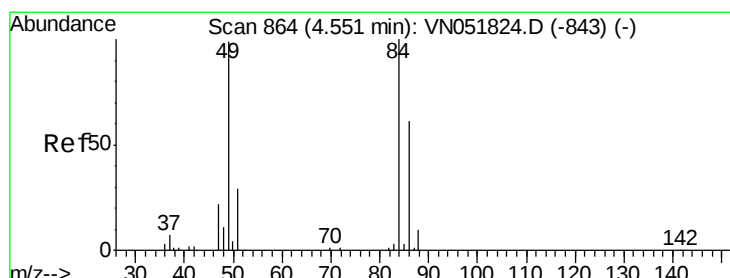
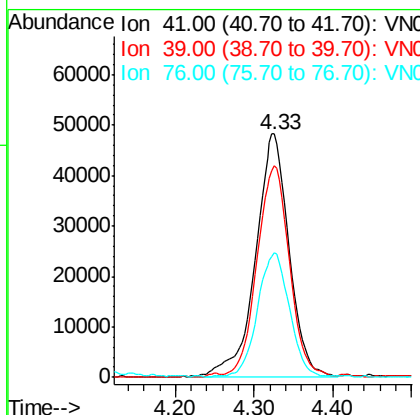
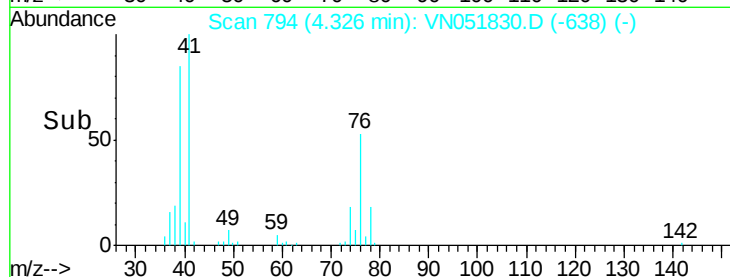
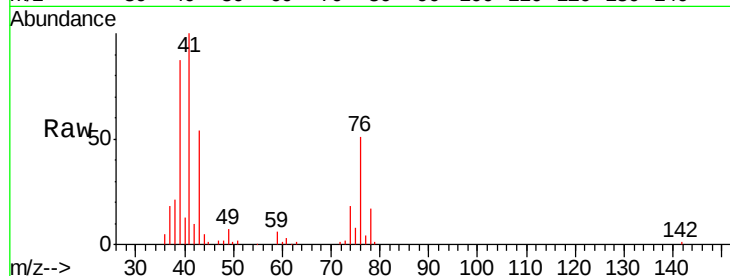
ClientSampleId :

VN1012WBS01

Tgt Ion:	41	Resp:	144855
Ion Ratio		Lower	Upper
41	100		
39	86.6	32.6	97.8
76	51.0	20.2	60.5

Manual Integrations
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#18

Methylene Chloride

Concen: 19.96 ug/l

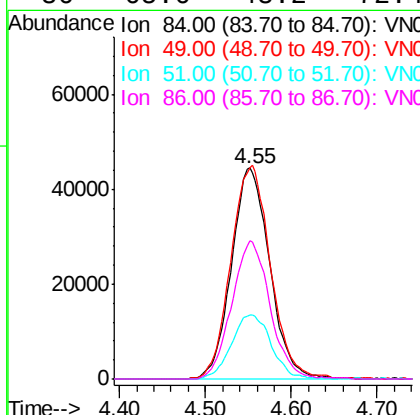
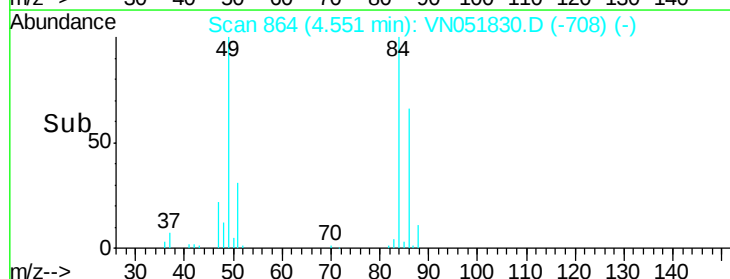
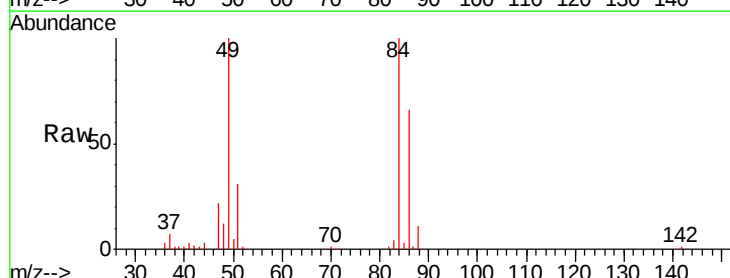
RT: 4.55 min Scan# 864

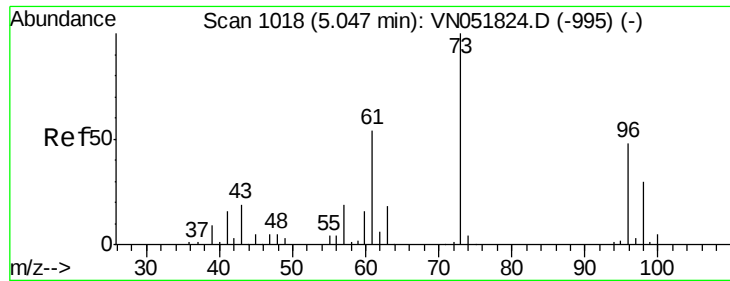
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion:	84	Resp:	137352
Ion Ratio		Lower	Upper
84	100		
49	100.1	91.6	137.4
51	30.6	29.8	44.6
86	65.6	48.2	72.4





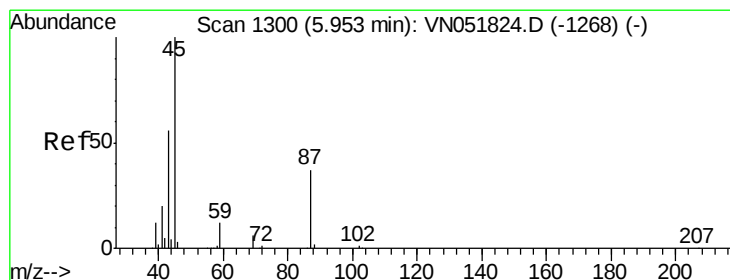
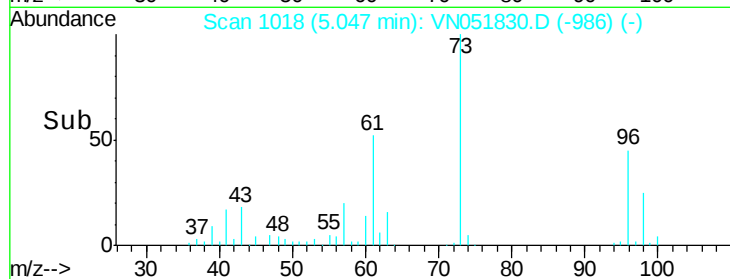
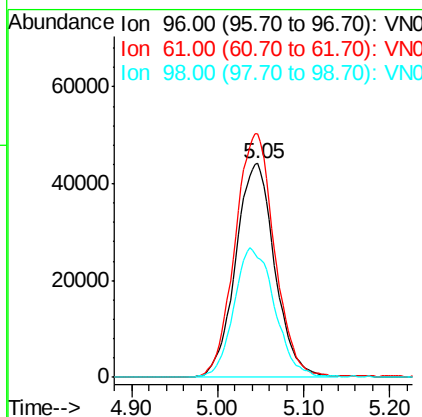
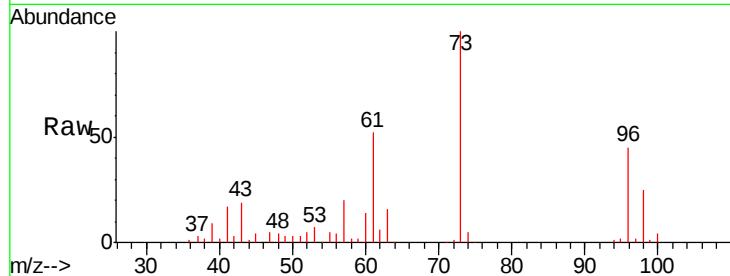
#19
trans-1,2-Dichloroethene
Concen: 19.90 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.8	112.3	168.5
98	56.0	47.1	70.7

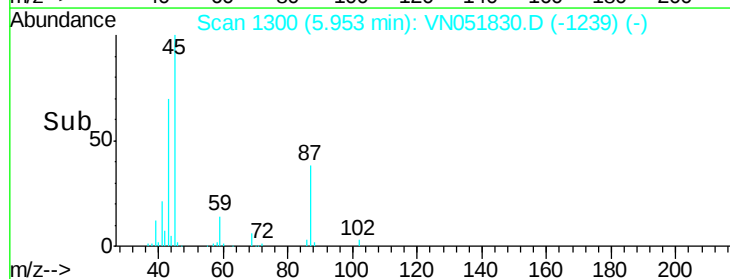
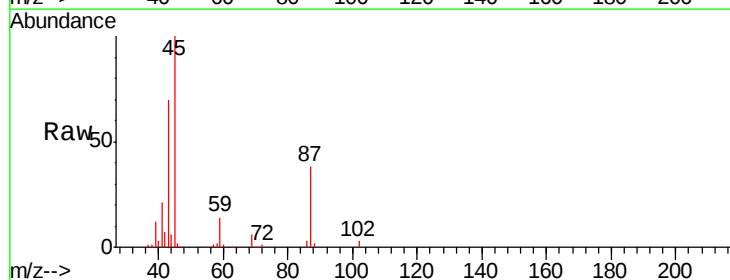
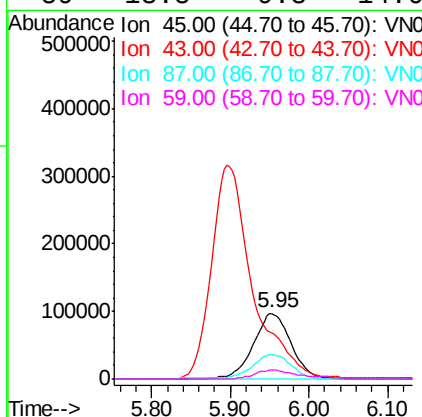
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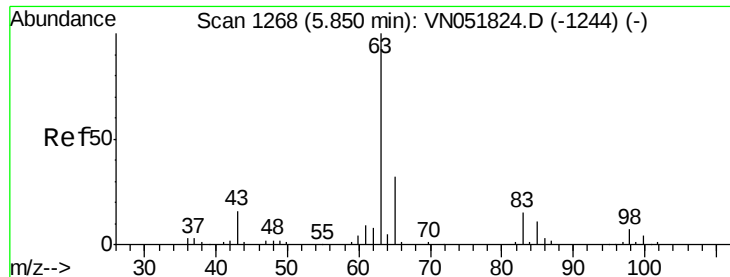
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#20
Diisopropyl ether
Concen: 20.16 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	62.1	93.1
87	37.2	19.9	29.9
59	13.5	9.8	14.6





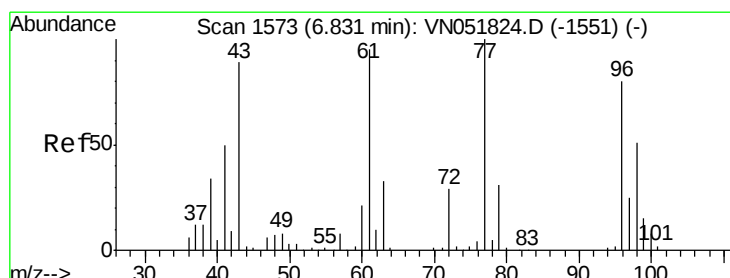
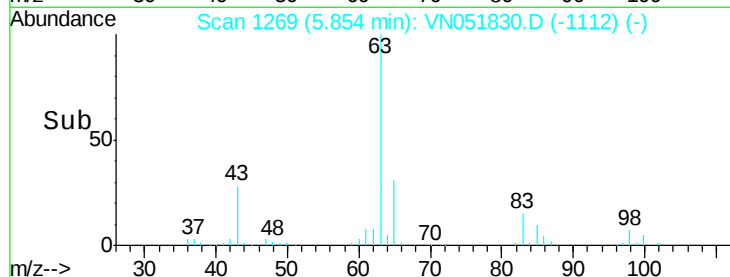
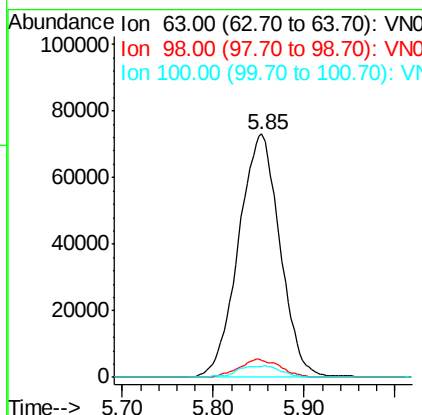
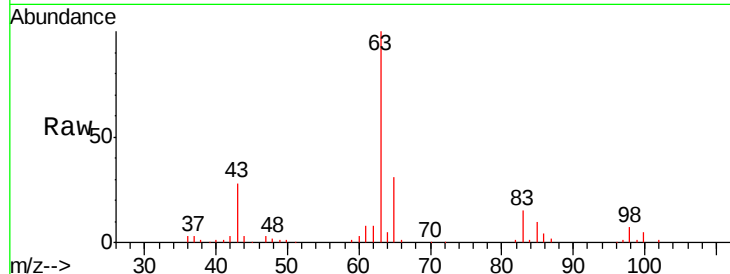
#21
 1,1-Dichloroethane
 Concen: 20.18 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	7.2	4.1	12.3
100	4.6	1.6	4.7

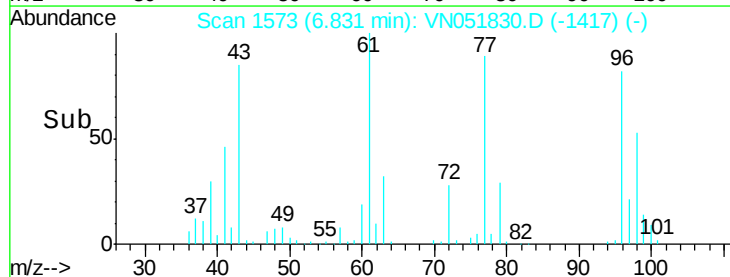
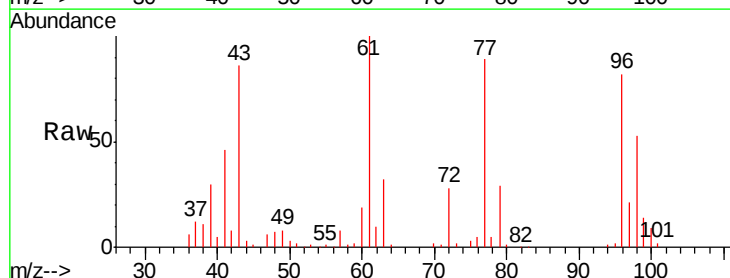
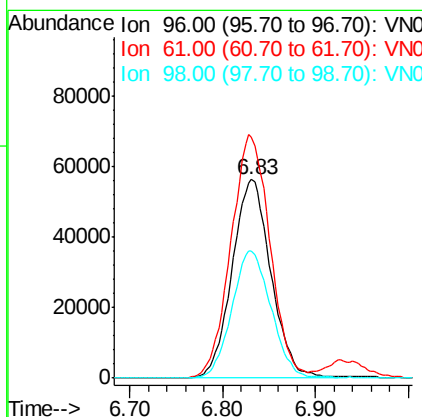
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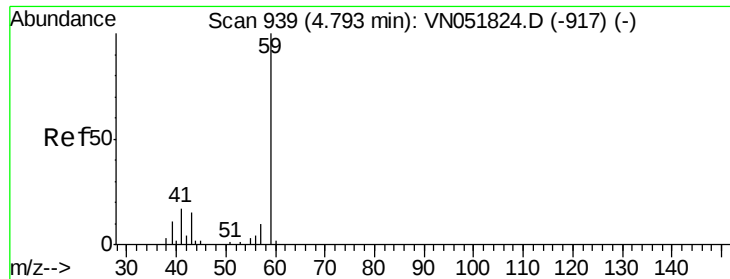
MMDadoda
 10/15/2018 11:27:53 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.84 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	123.1	124.5	186.7#
98	64.2	51.9	77.9





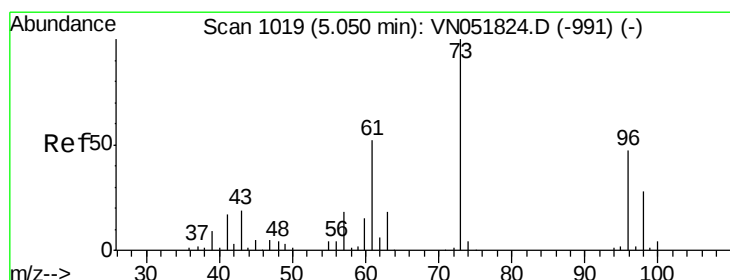
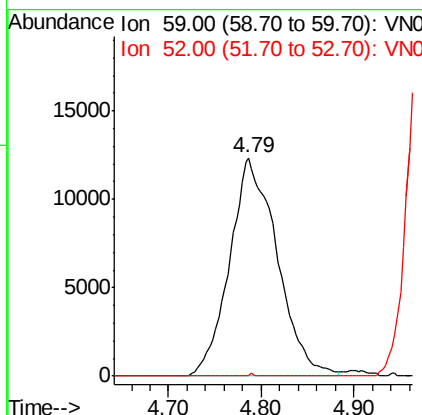
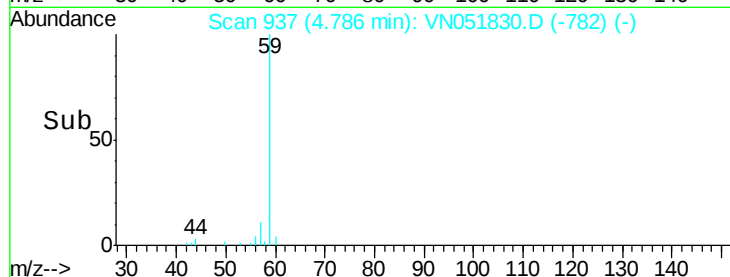
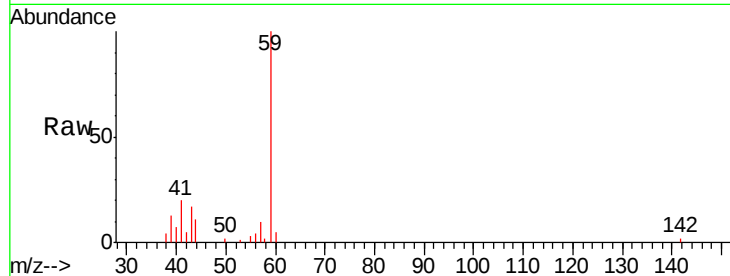
#23
 tert-Butyl Alcohol
 Concen: 97.71 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 59 Resp: 43963
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

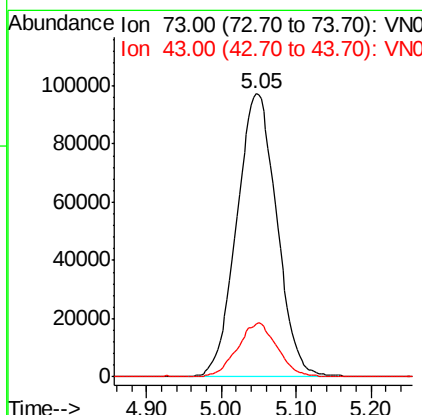
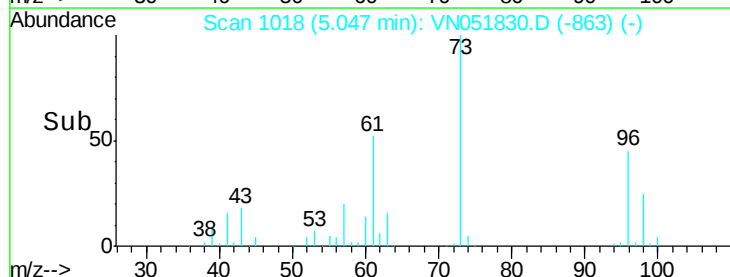
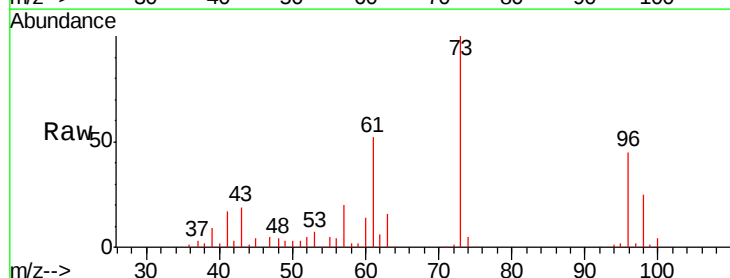
Manual Integrations
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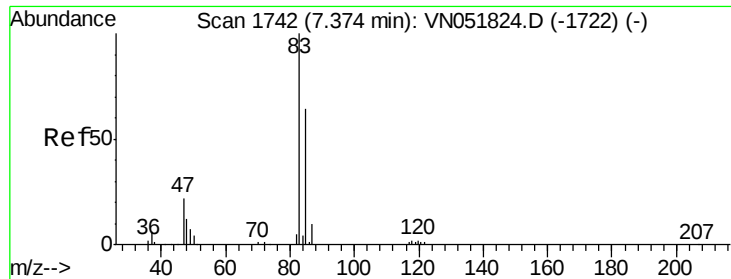
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#24
 Methyl tert-Butyl Ether
 Concen: 20.42 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 73 Resp: 362087
 Ion Ratio Lower Upper
 73 100
 43 19.0 5.4 8.0#





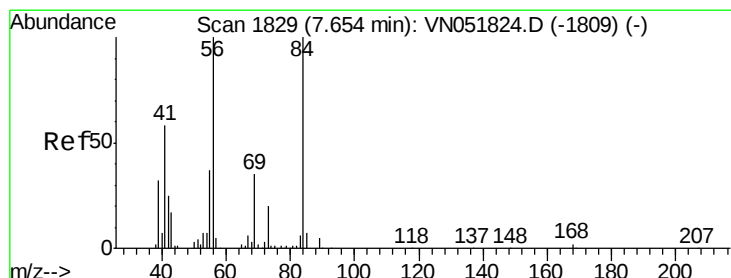
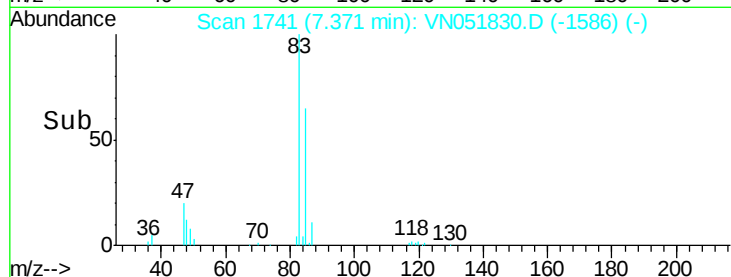
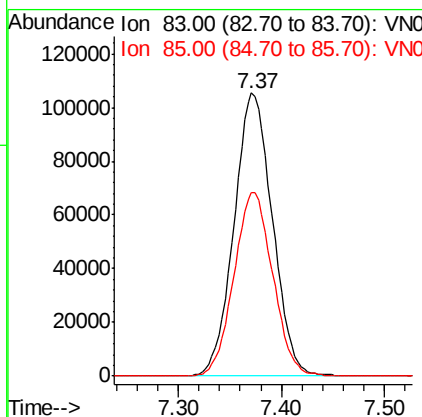
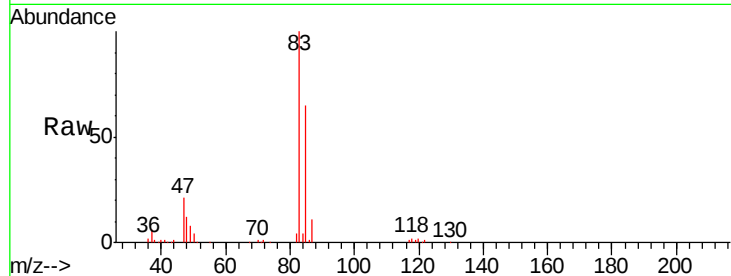
#25
Chloroform
Concen: 20.25 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.6	82.0

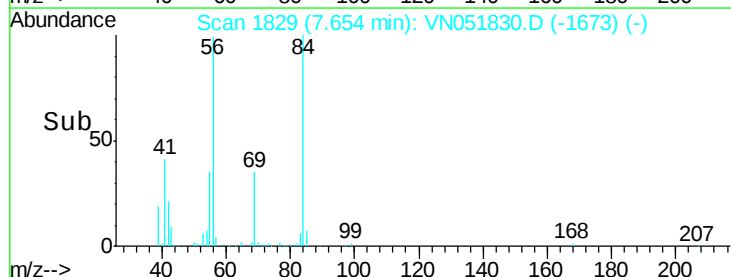
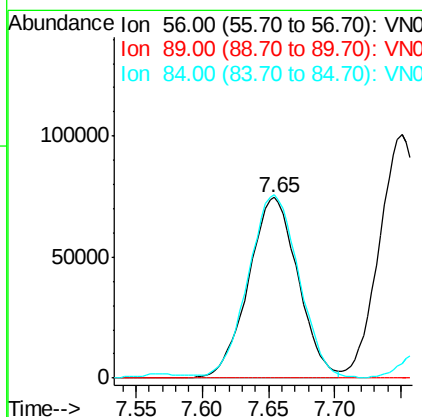
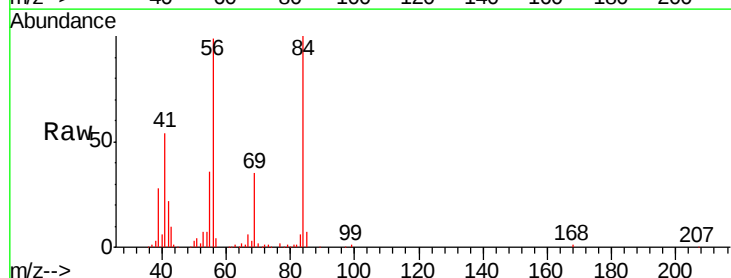
Manual Integrations
APPROVED

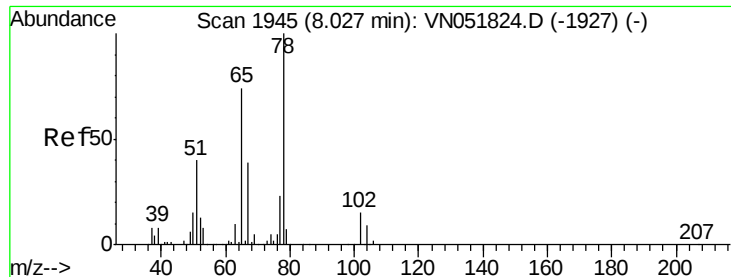
MMDadoda
10/15/2018 11:27:53 AM



#26
Cyclohexane
Concen: 20.07 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.2	1.5	2.3#
84	104.7	64.2	96.4#





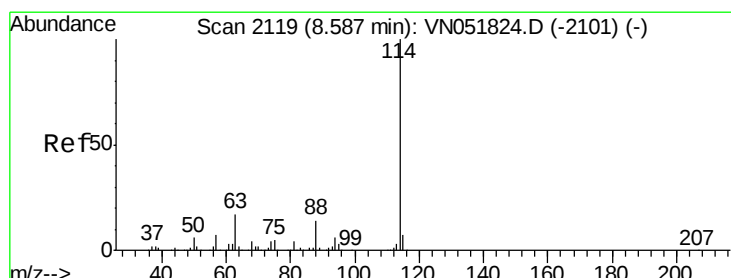
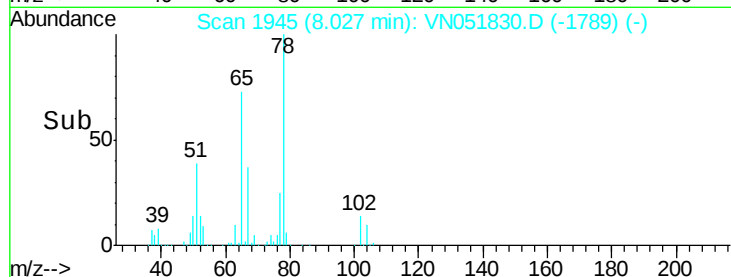
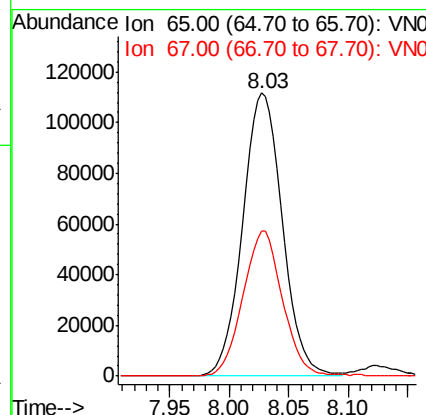
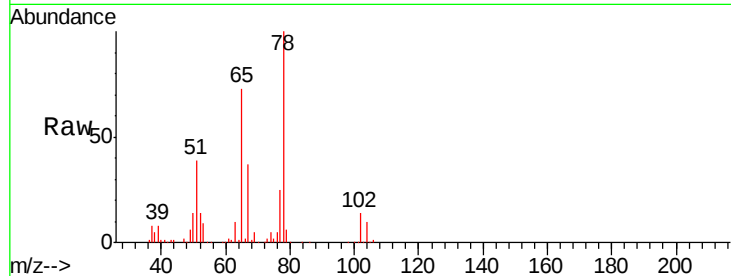
#27
 1,2-Dichloroethane-d4
 Concen: 20.07 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.7	41.8	62.8

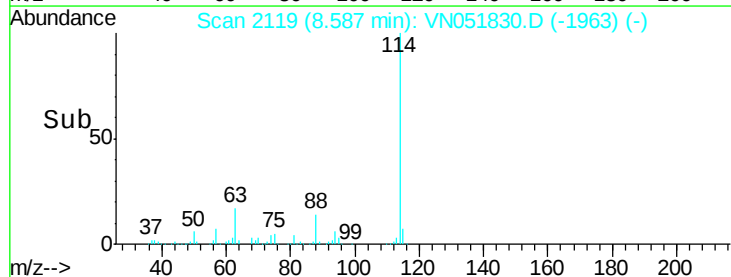
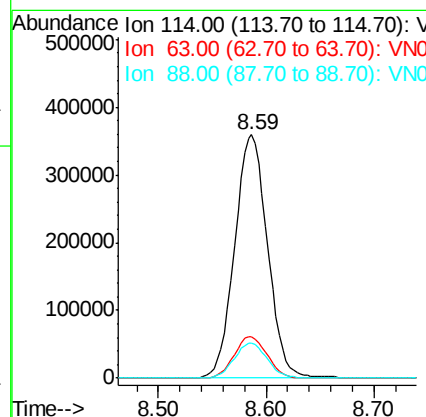
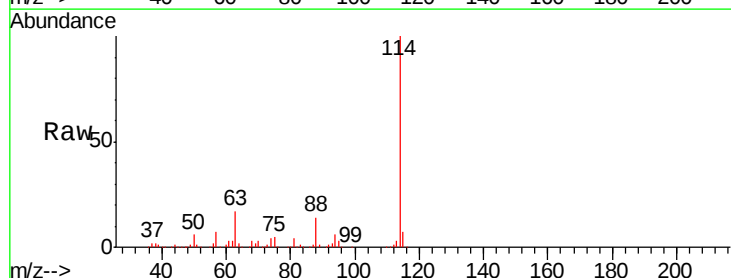
Manual Integrations
 APPROVED

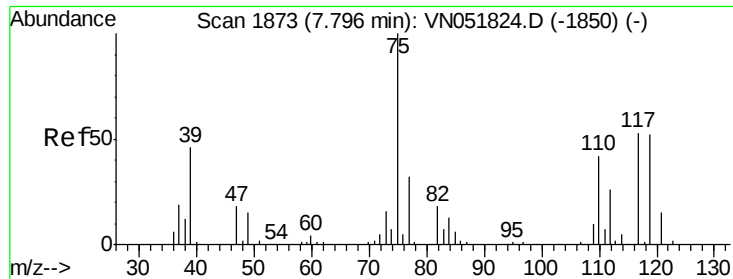
MMDadoda
 10/15/2018 11:27:53 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	16.2	24.2
88	14.5	12.2	18.4





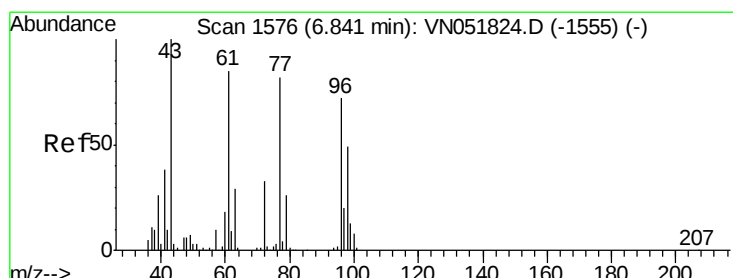
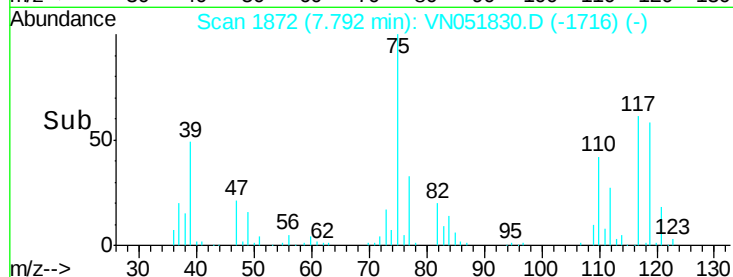
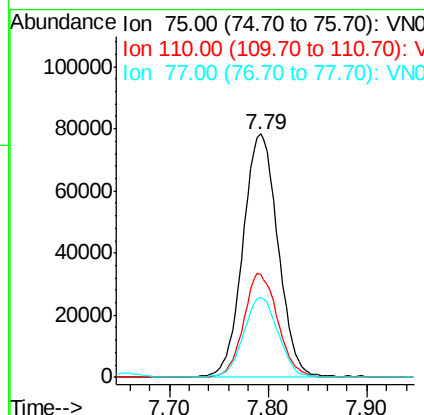
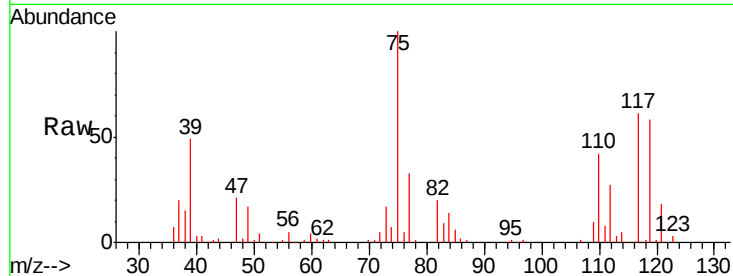
#29
 1,1-Dichloropropene
 Concen: 19.63 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	41.4	0.0	70.8
77	32.4	0.0	61.6

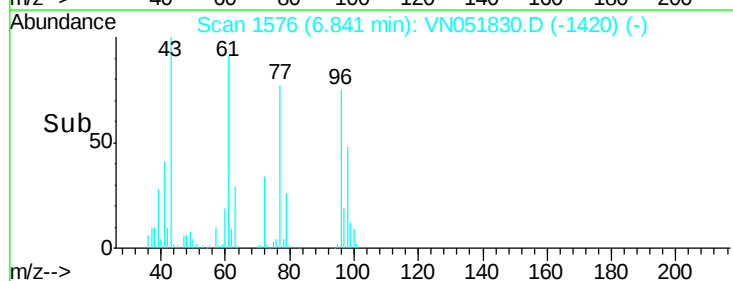
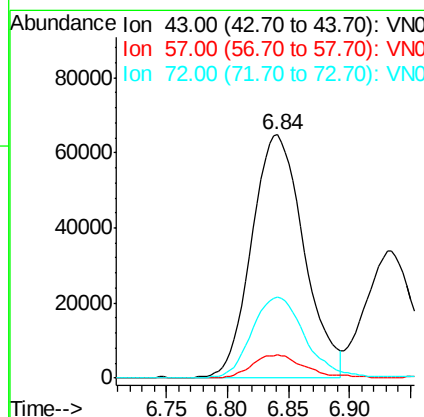
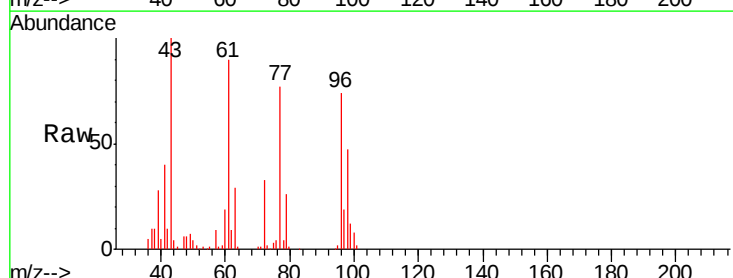
Manual Integrations
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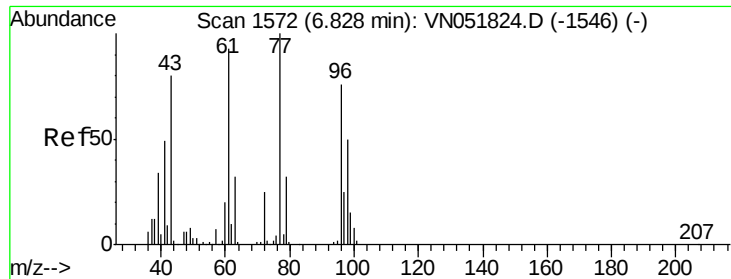
MMDadoda
 10/15/2018 11:27:53 AM



#30
 2-Butanone
 Concen: 93.04 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	9.4	4.5	6.7#
72	34.2	21.5	32.3#





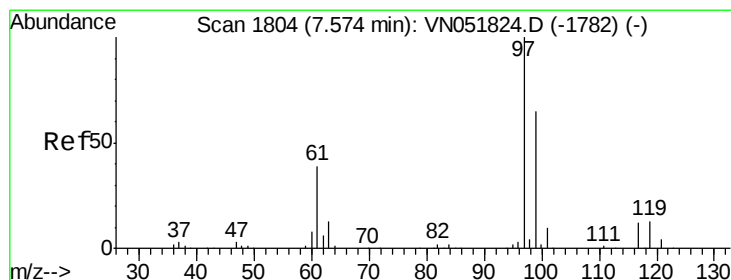
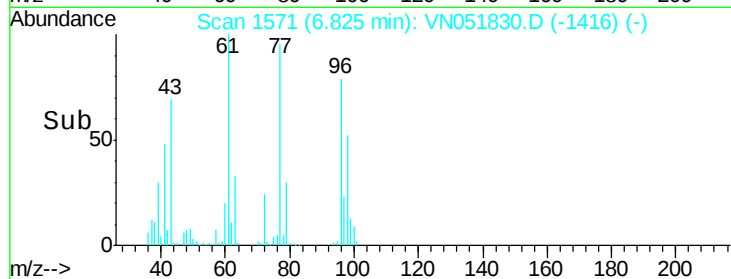
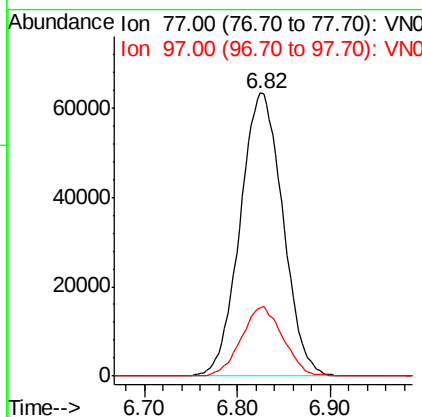
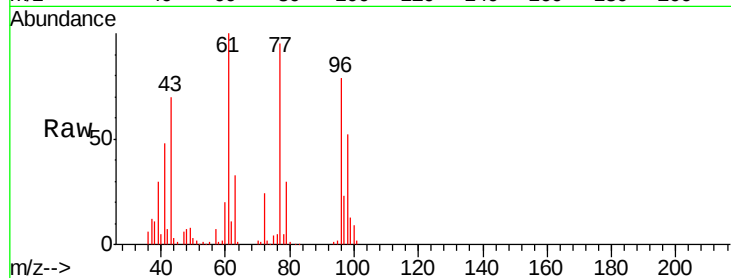
#31
 2,2-Dichloropropane
 Concen: 17.54 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 77 Resp: 202780
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.0 18.0#

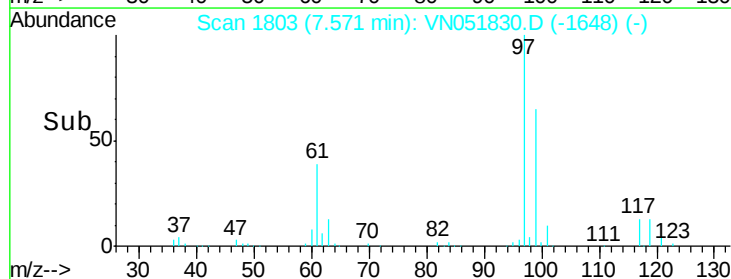
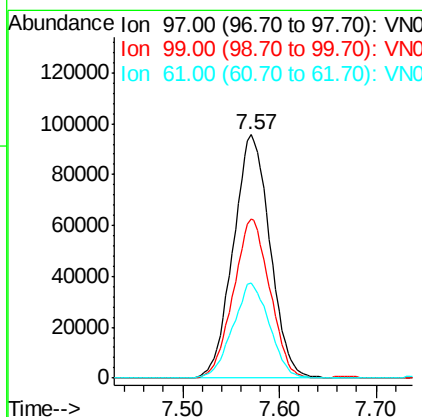
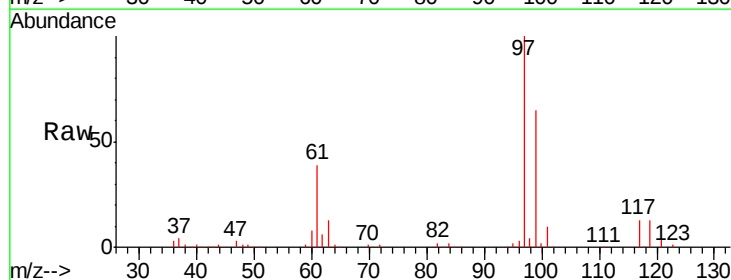
Manual Integrations
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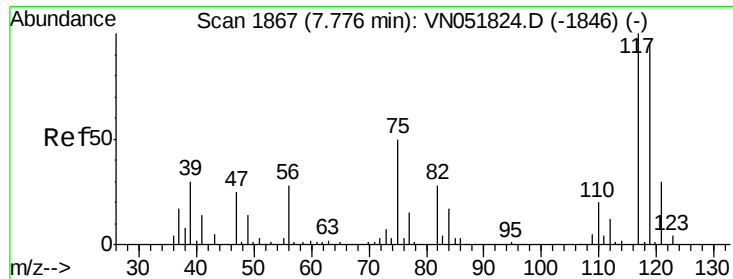
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.35 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 97 Resp: 252157
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.6 77.4
 61 39.1 37.4 56.0





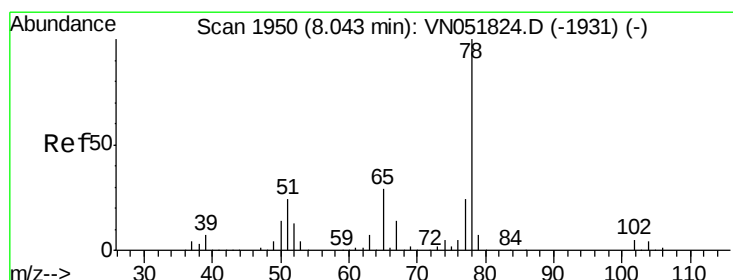
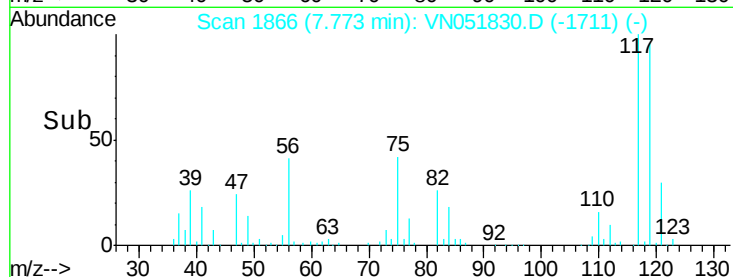
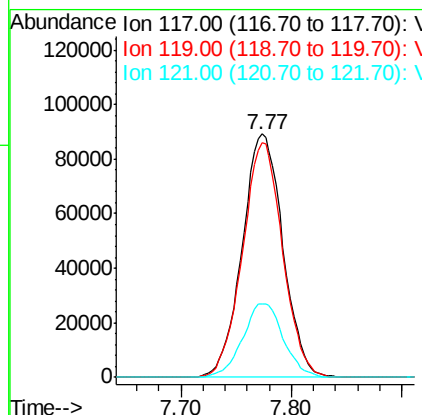
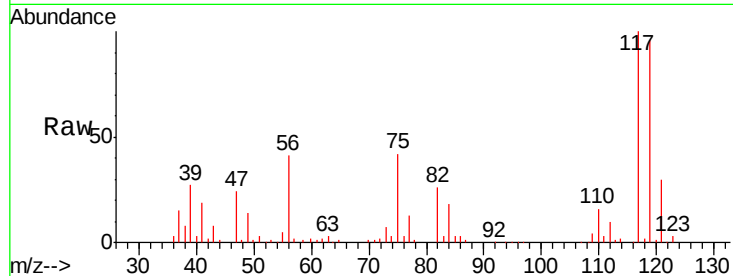
#33
Carbon Tetrachloride
Concen: 19.31 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion: 117 Resp: 227624
Ion Ratio Lower Upper
117 100
119 96.3 85.1 127.7
121 30.3 24.2 36.2

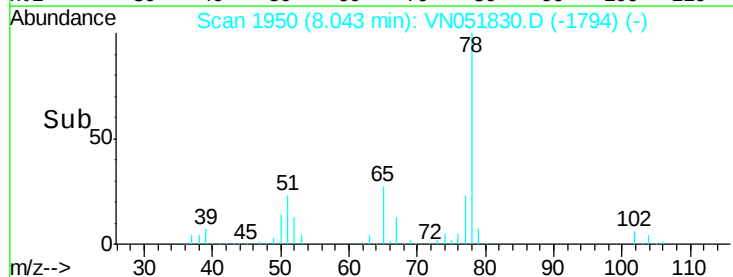
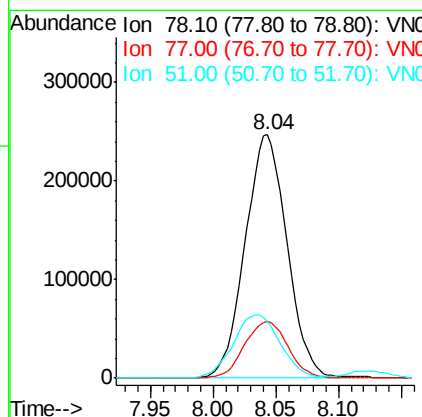
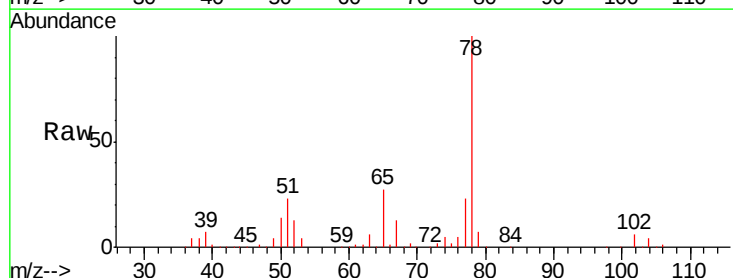
Manual Integrations
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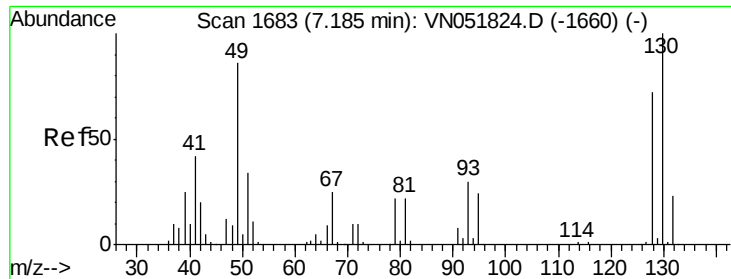
MMDadoda
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#34
Benzene
Concen: 19.73 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 78 Resp: 573610
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
51 23.2 46.2 69.4#





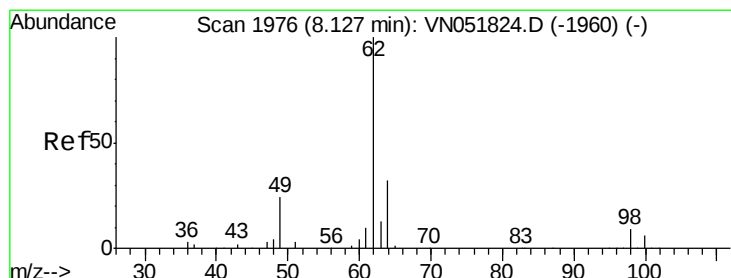
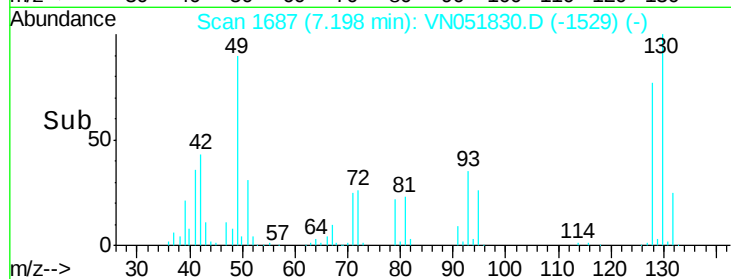
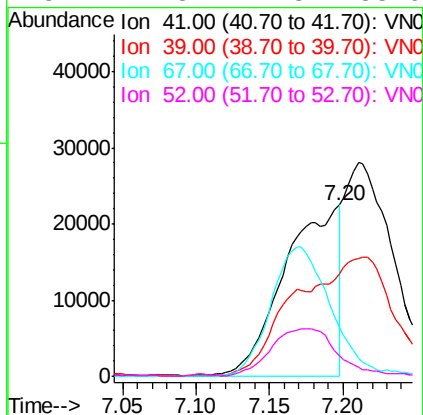
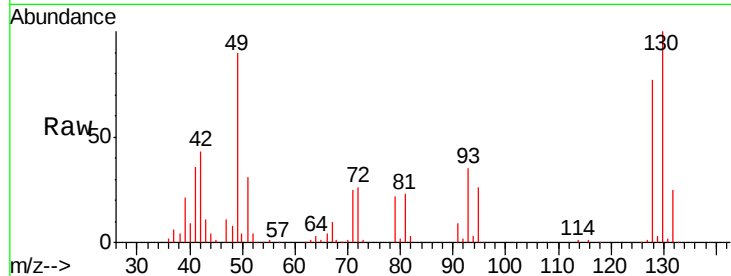
#35
Methacrylonitrile
Concen: 21.74 ug/l m
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.2	22.6	67.7
67	28.7	28.9	86.8#
52	11.8	11.3	33.9

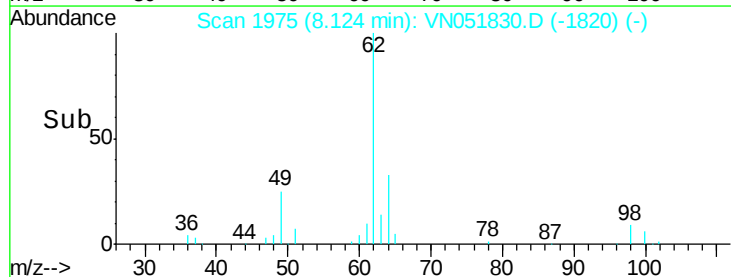
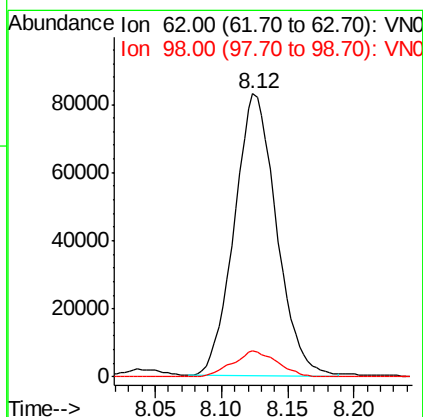
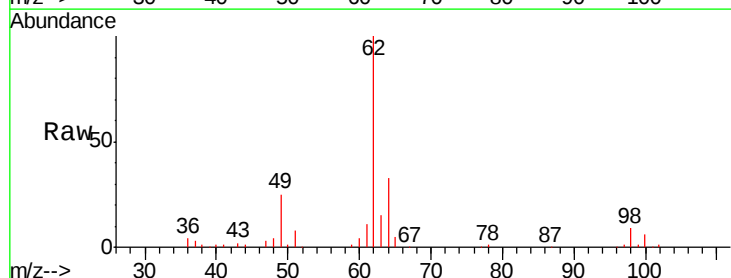
Manual Integrations
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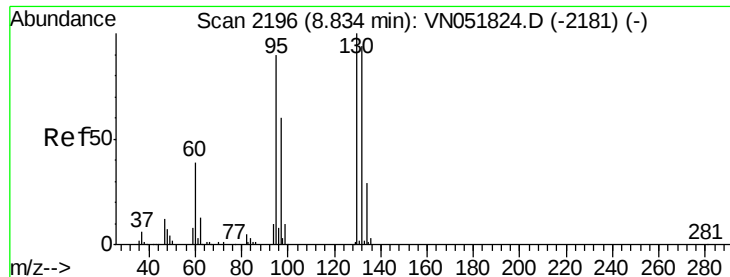
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	6.9	10.3





#37

Trichloroethene

Concen: 19.37 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 130 Resp: 174799

Ion Ratio Lower Upper

130 100

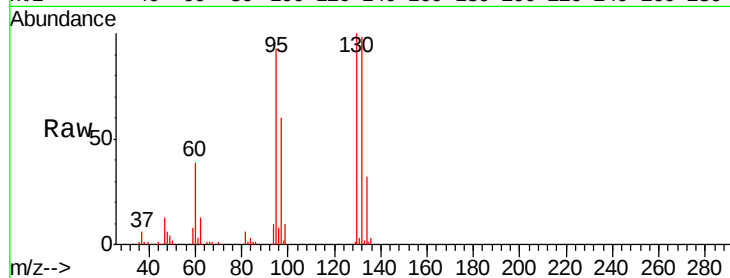
95 92.8 76.4 114.6

Manual Integrations

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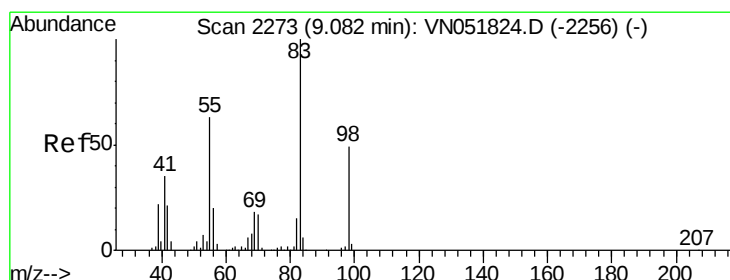
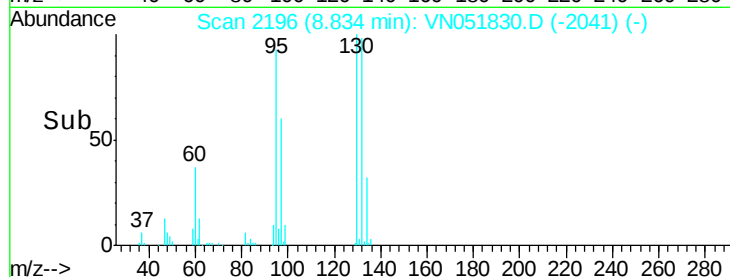
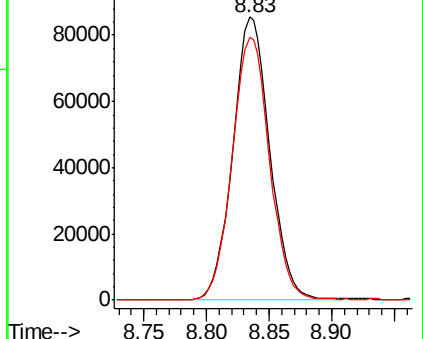
MMDadoda

10/15/2018 11:27:53 AM



Abundance Ion 129.90 (129.60 to 130.60): VN051830.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN051830.D (-2041) (-)



#38

Methylcyclohexane

Concen: 19.32 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

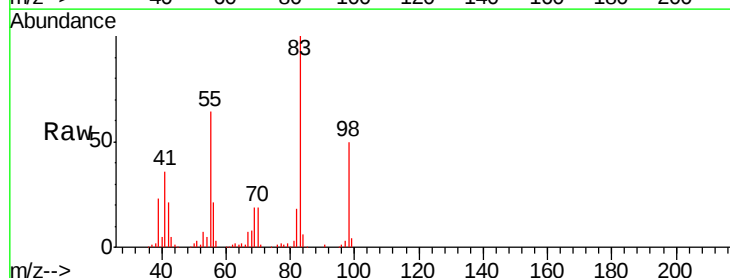
Tgt Ion: 83 Resp: 243517

Ion Ratio Lower Upper

83 100

55 63.0 43.0 129.2

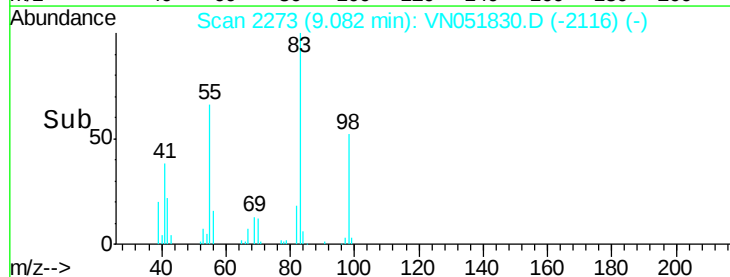
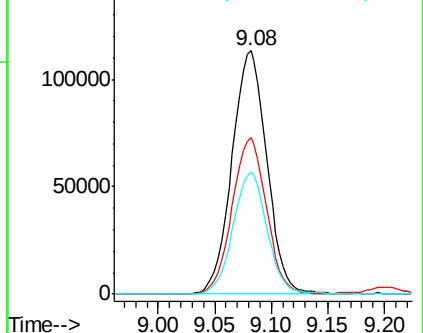
98 49.0 21.3 63.7

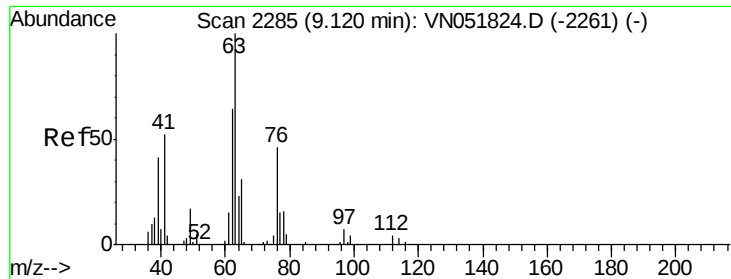


Abundance Ion 83.00 (82.70 to 83.70): VN051830.D (-2116) (-)

Ion 55.00 (54.70 to 55.70): VN051830.D (-2116) (-)

Ion 98.00 (97.70 to 98.70): VN051830.D (-2116) (-)





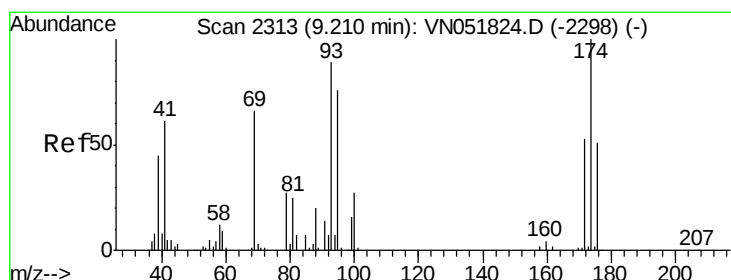
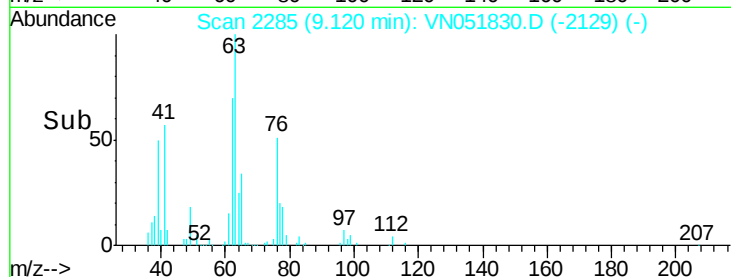
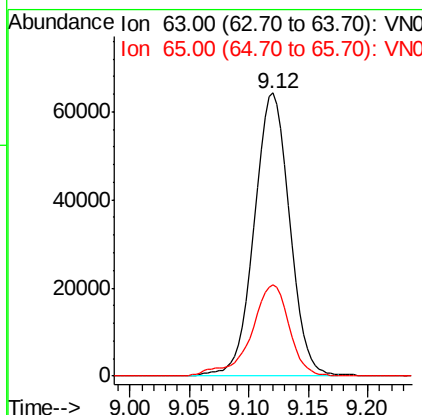
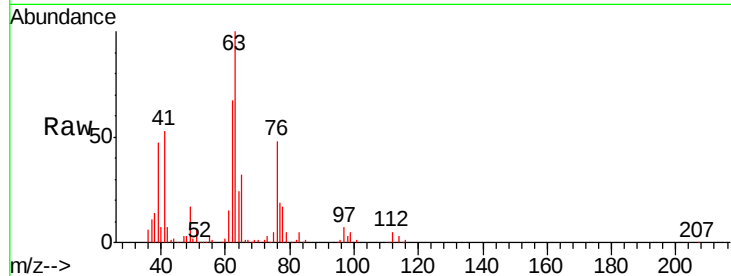
#39
 1,2-Dichloropropane
 Concen: 19.40 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 63 Resp: 132832
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.2 34.8

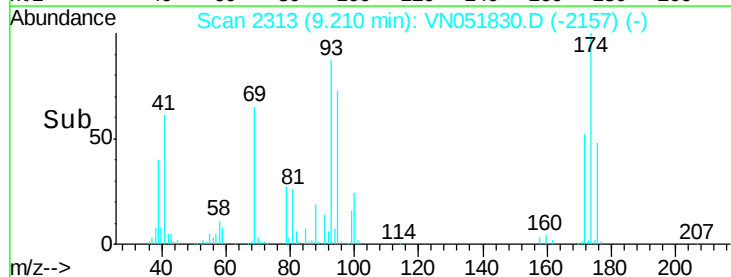
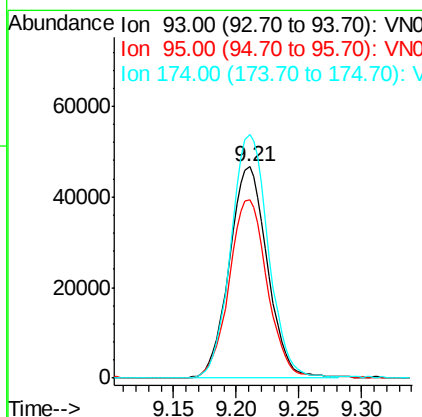
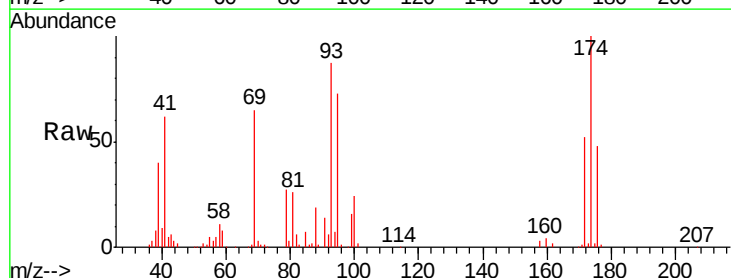
Manual Integrations
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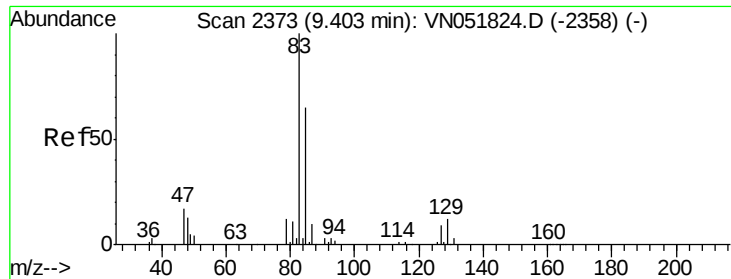
MMDadoda
 10/15/2018 11:27:53 AM



#40
 Dibromomethane
 Concen: 19.38 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 93 Resp: 98459
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 162.0
 174 113.9 0.0 214.0





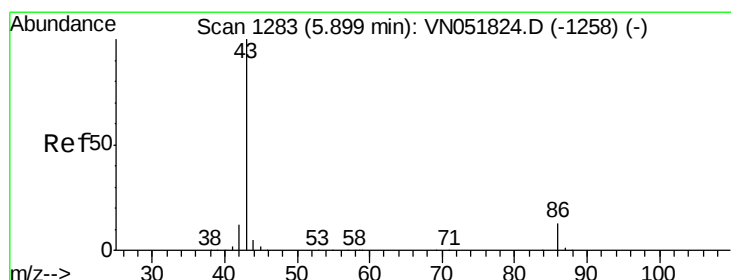
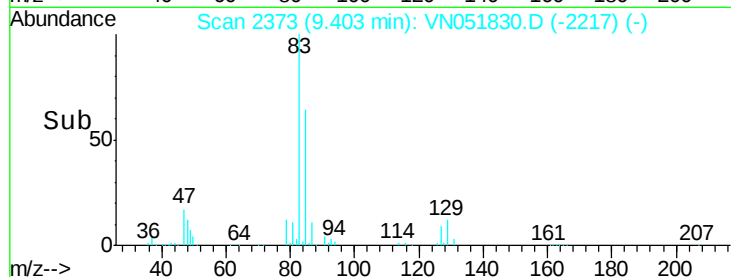
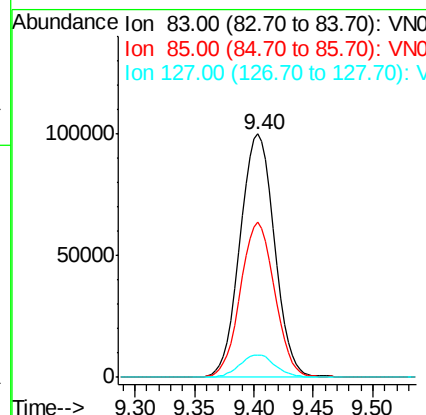
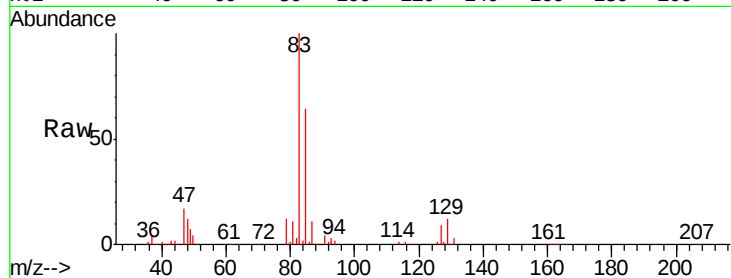
#41
Bromodichloromethane
Concen: 19.19 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	55.7	83.5
127	9.2	8.2	12.4

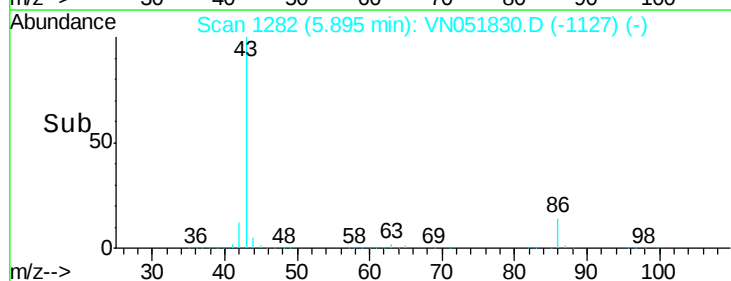
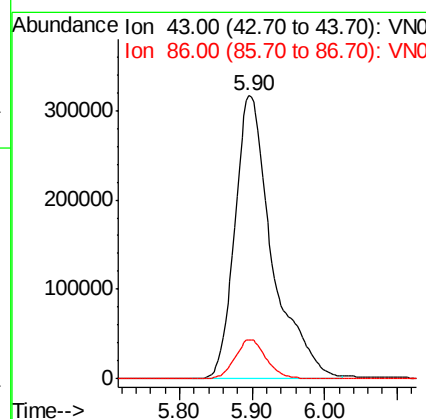
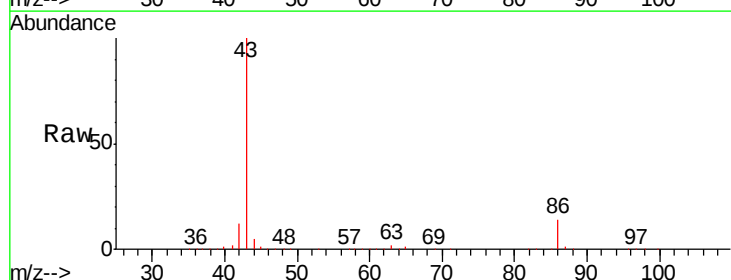
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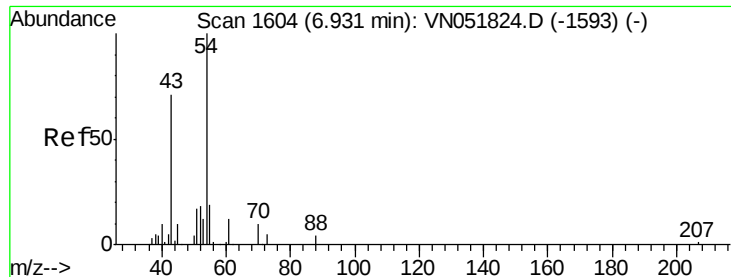
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#42
Vinyl Acetate
Concen: 97.98 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.6	6.5	9.7#





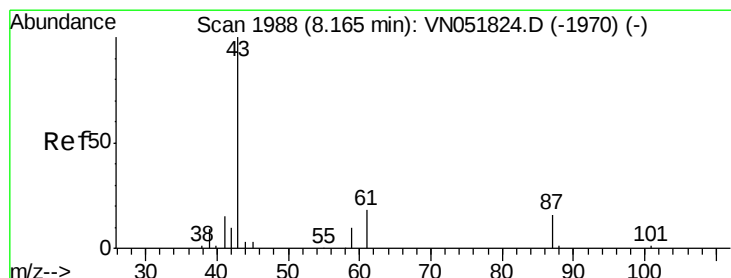
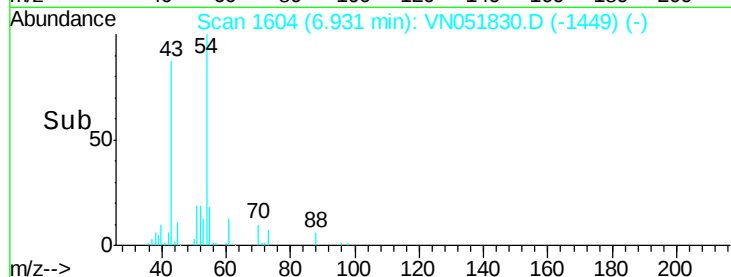
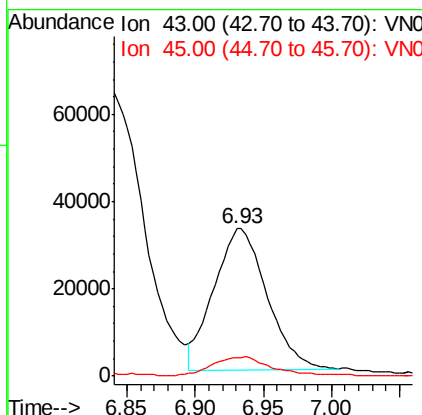
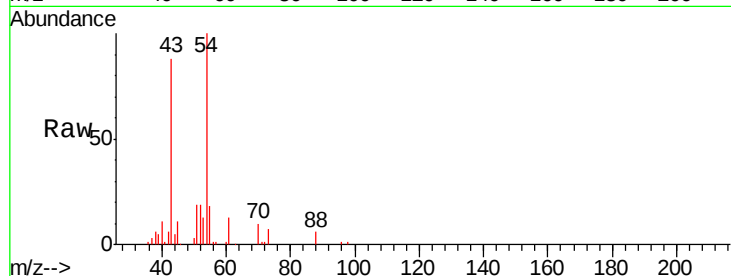
#43
Ethyl Acetate
Concen: 19.67 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion: 43 Resp: 87721
Ion Ratio Lower Upper
43 100
45 0.0 11.0 16.6#

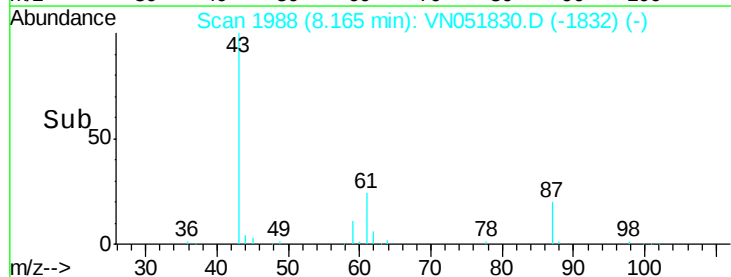
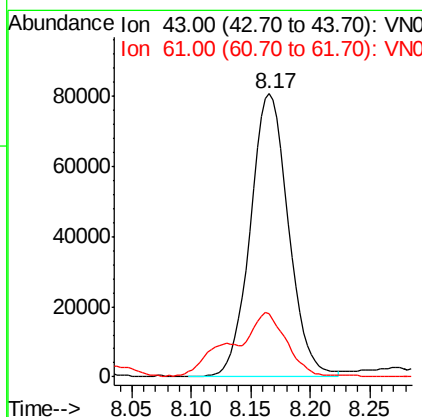
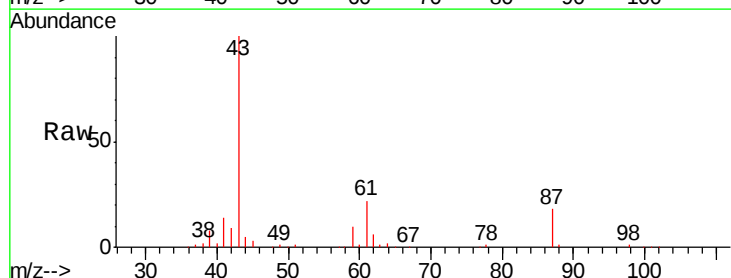
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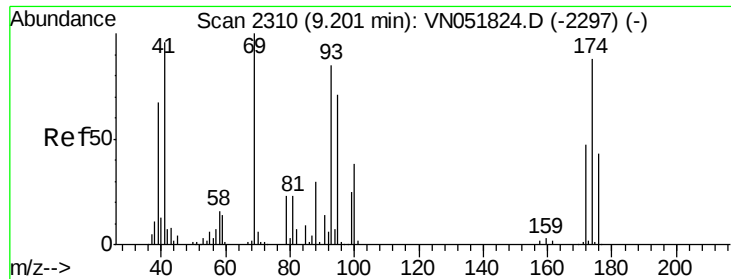
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.13 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 43 Resp: 179327
Ion Ratio Lower Upper
43 100
61 21.3 15.9 23.9





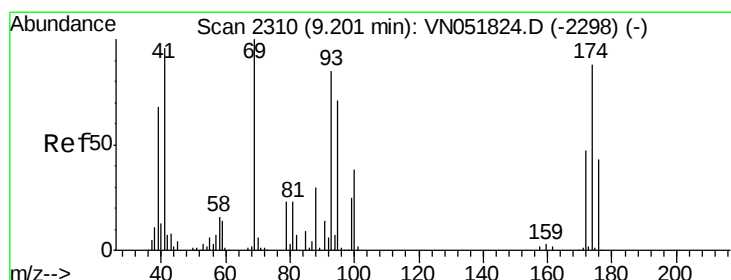
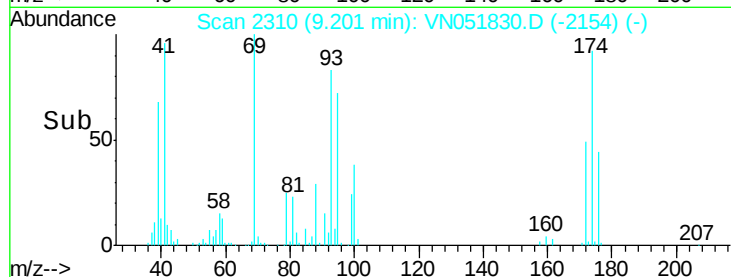
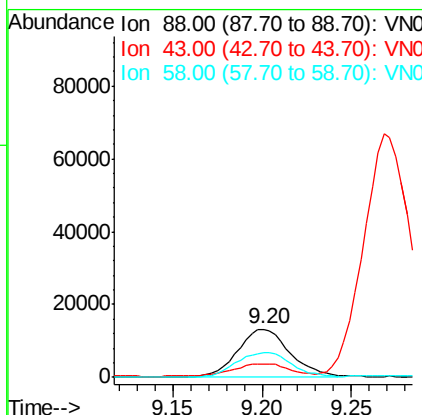
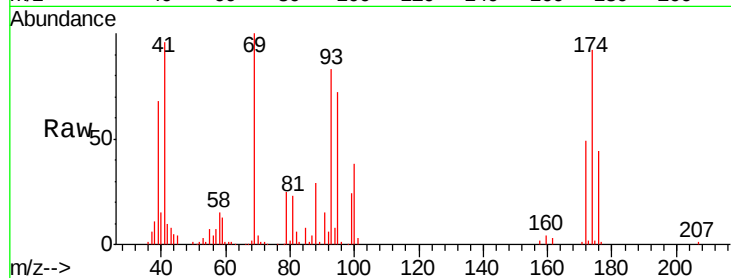
#45
 1,4-Dioxane
 Concen: 381.46 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 88 Resp: 27287
 Ion Ratio Lower Upper
 88 100
 43 24.7 26.2 39.2#
 58 54.2 65.6 98.4#

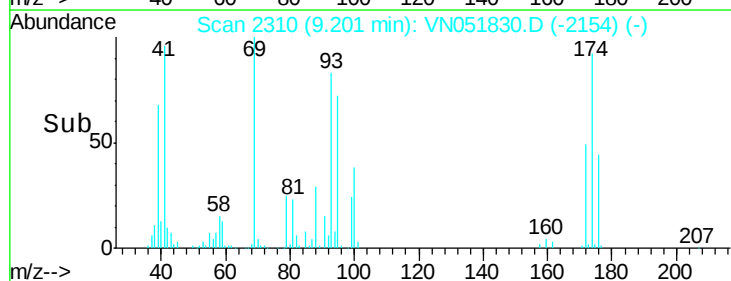
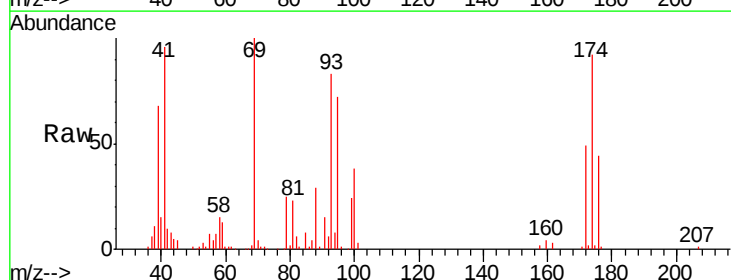
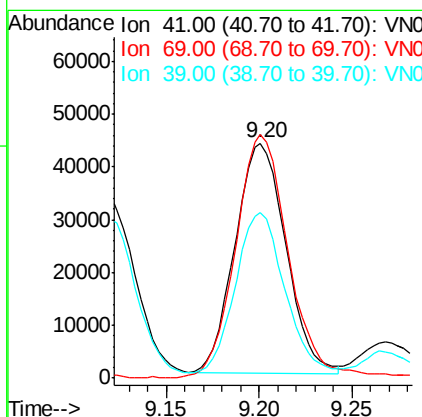
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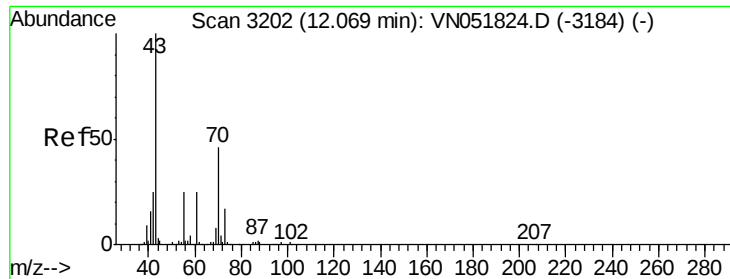
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#46
 Methyl methacrylate
 Concen: 20.10 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 41 Resp: 82604
 Ion Ratio Lower Upper
 41 100
 69 105.2 40.7 122.1
 39 70.1 27.3 81.9





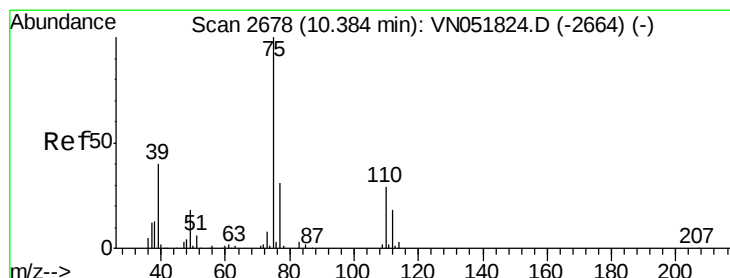
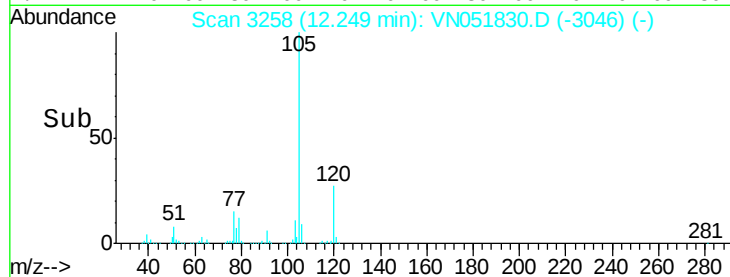
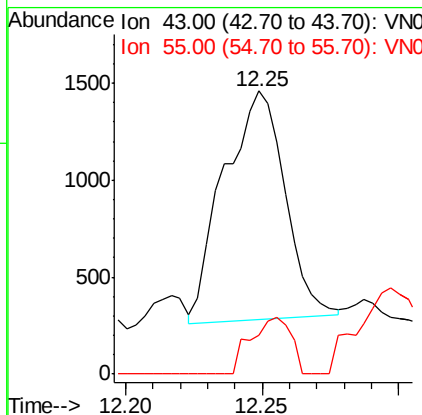
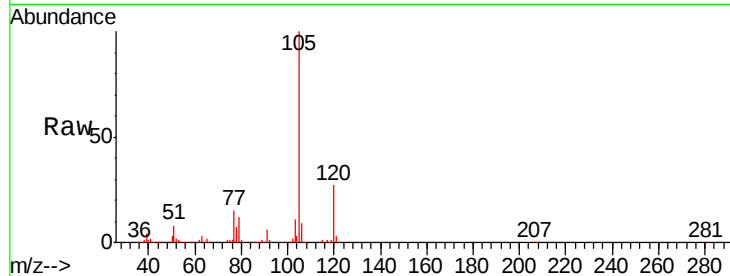
#47
n-amy1 Acetate
Concen: 0.25 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.18 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
55 12.6 12.2 18.4

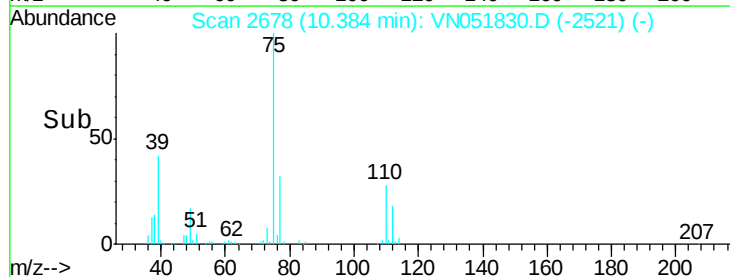
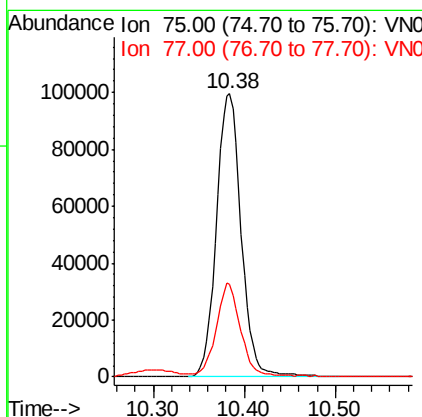
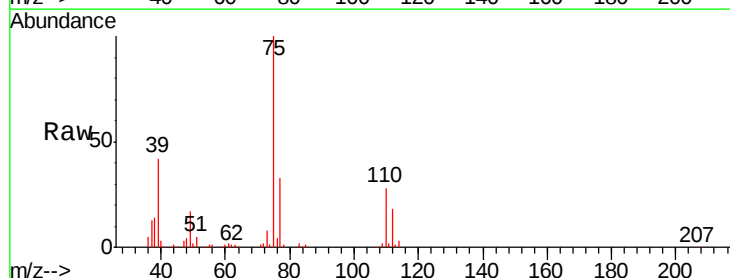
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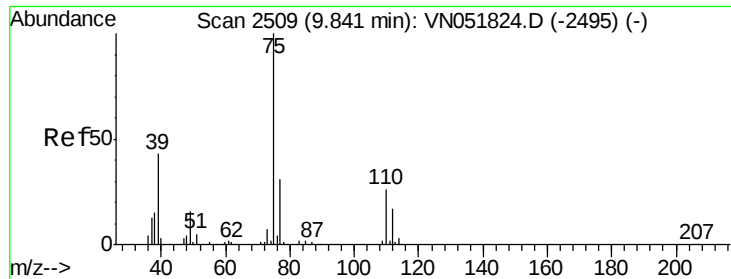
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#48
t-1,3-Dichloropropene
Concen: 18.37 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 75 Resp: 187978
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0





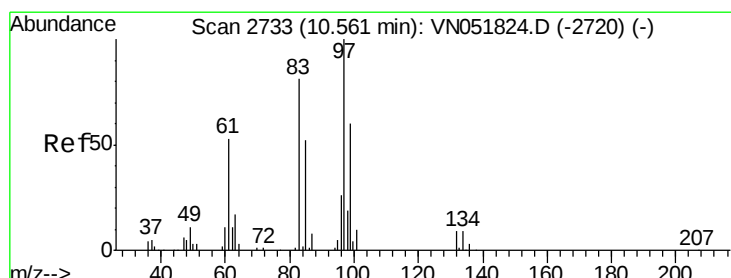
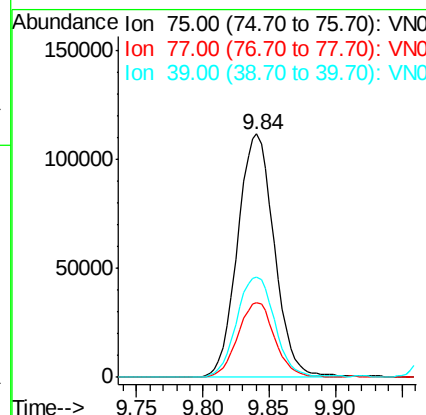
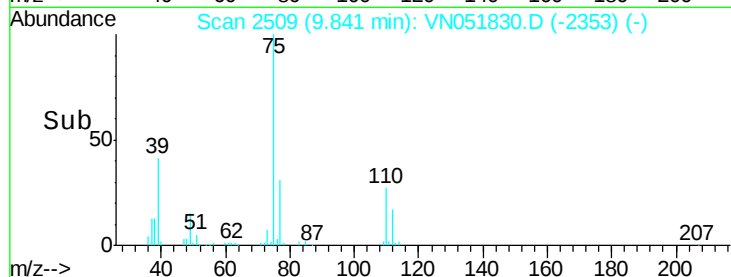
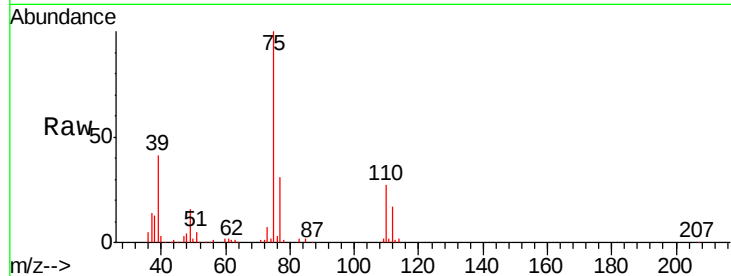
#49
 cis-1,3-Dichloropropene
 Concen: 19.04 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.2	34.8
39	41.1	34.6	52.0

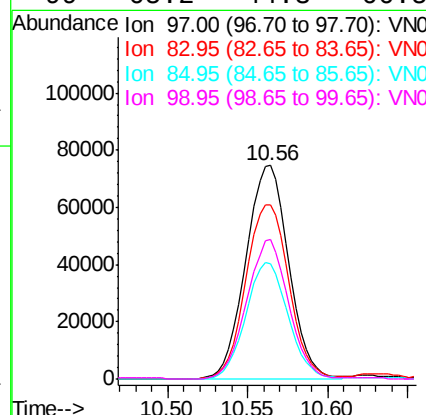
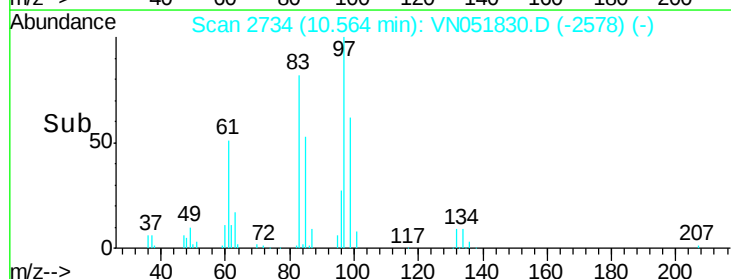
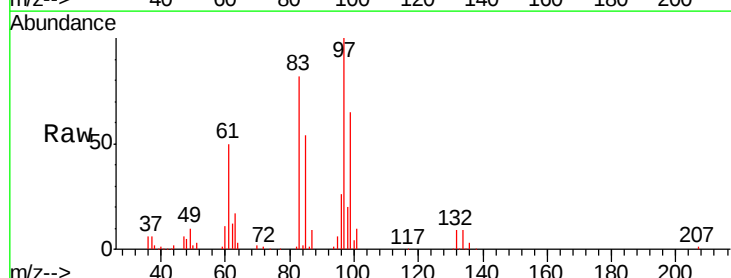
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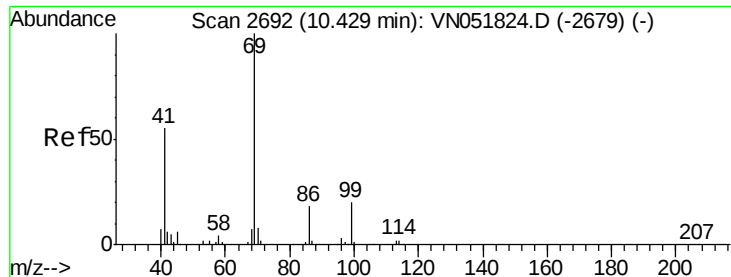
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#50
 1,1,2-Trichloroethane
 Concen: 19.50 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	68.2	102.4
85	53.8	42.5	63.7
99	65.2	44.3	66.5





#51

Ethyl methacrylate

Concen: 19.57 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

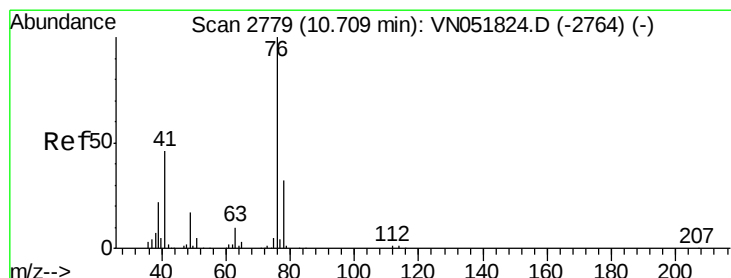
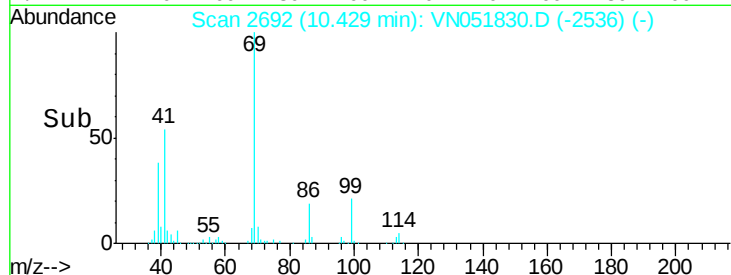
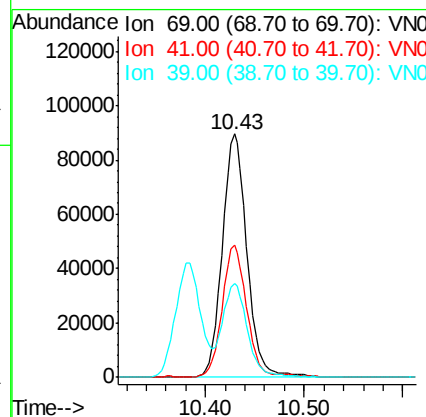
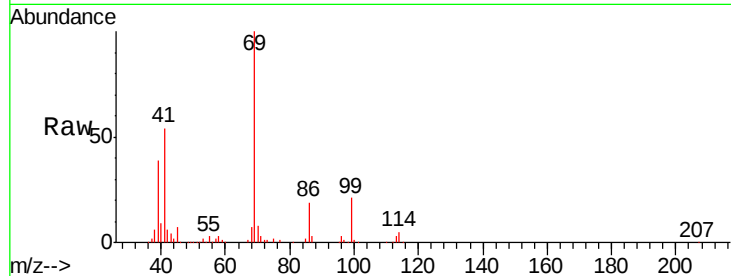
ClientSampleId :

VN1012WBS01

Tgt Ion:	69	Resp:	157319
Ion Ratio	Lower	Upper	
69	100		
41	53.7	34.4	103.1
39	38.5	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 19.54 ug/l

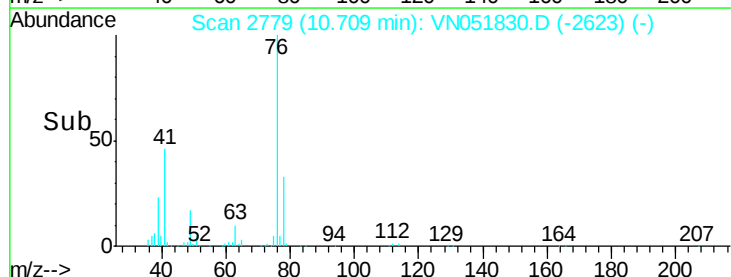
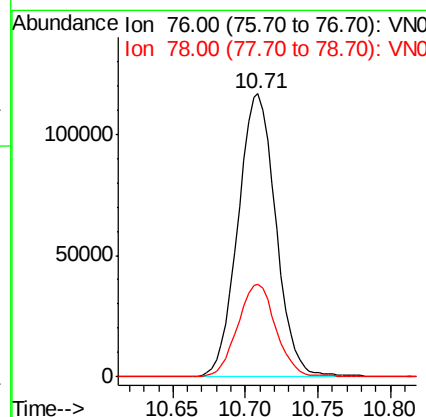
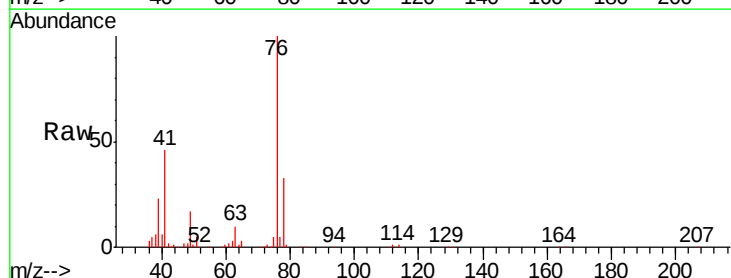
RT: 10.71 min Scan# 2779

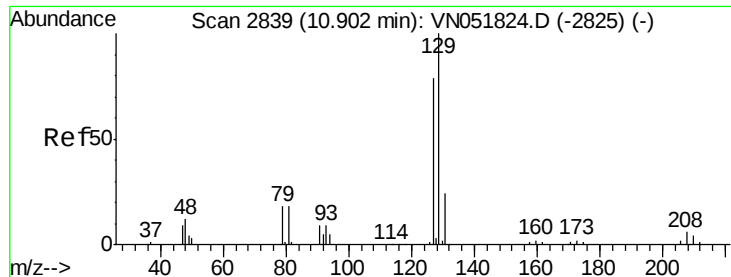
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion:	76	Resp:	211682
Ion Ratio	Lower	Upper	
76	100		
78	33.2	0.0	67.6





#53

Dibromochloromethane

Concen: 17.83 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion:129 Resp: 154873

Ion Ratio Lower Upper

129 100

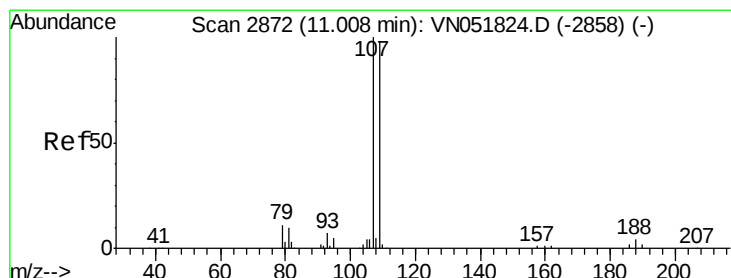
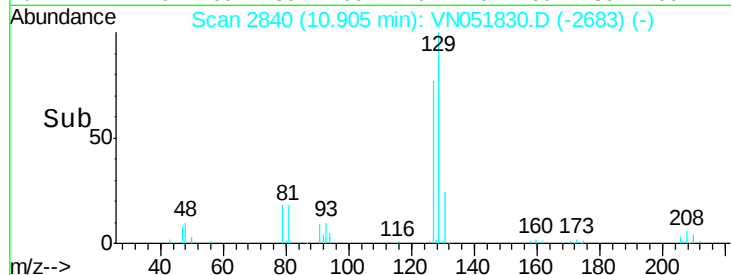
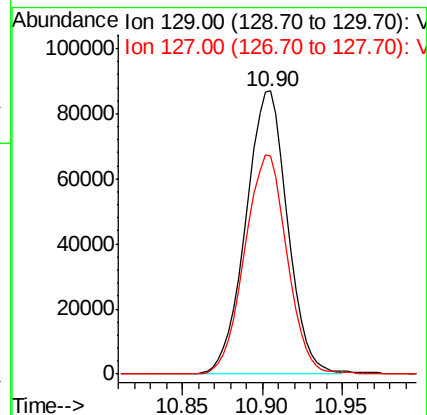
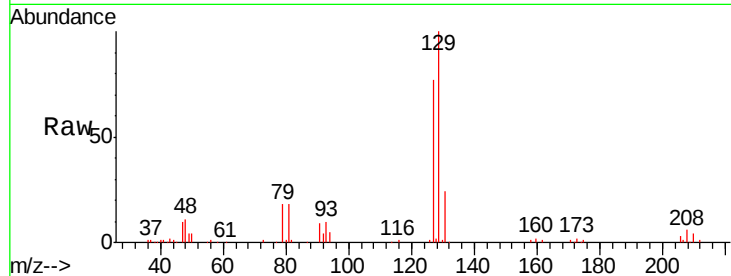
127 78.6 40.2 120.5

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#54

1,2-Dibromoethane

Concen: 19.12 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051830.D

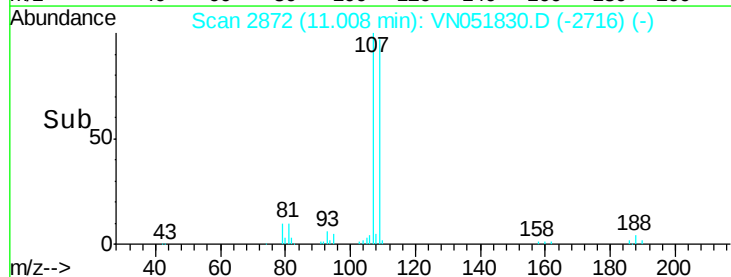
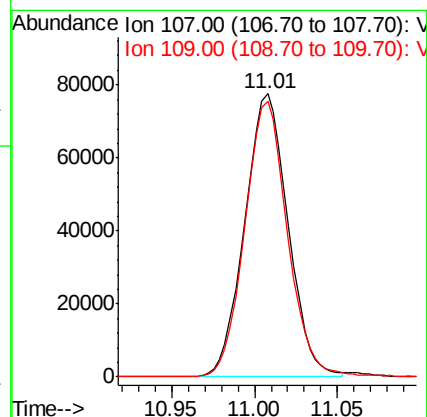
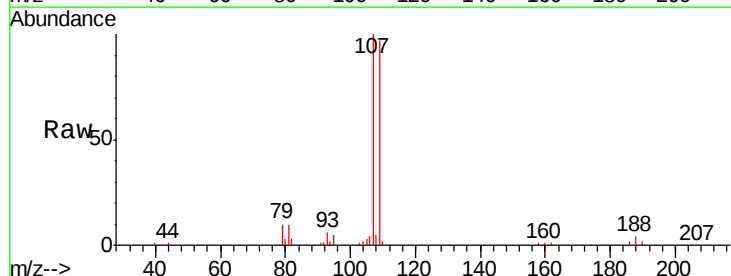
Acq: 12 Oct 2018 14:12

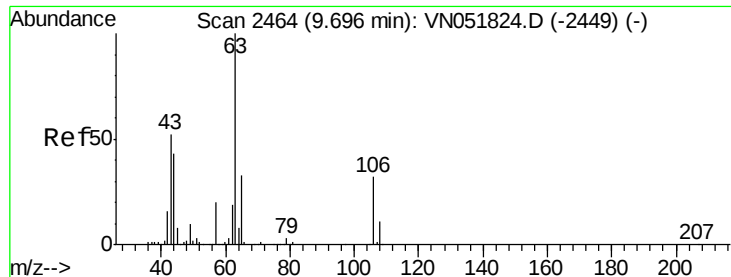
Tgt Ion:107 Resp: 140861

Ion Ratio Lower Upper

107 100

109 95.9 77.4 116.0





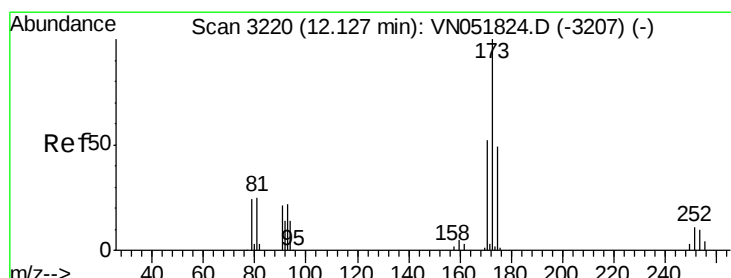
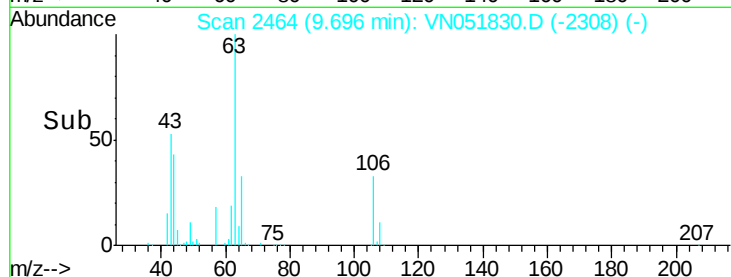
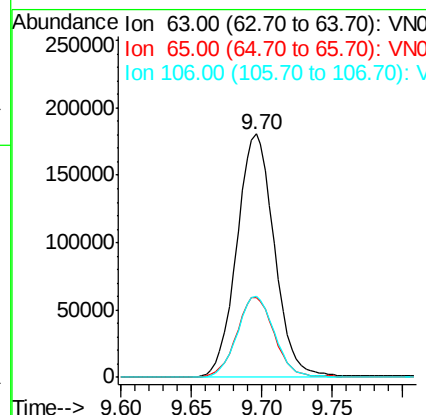
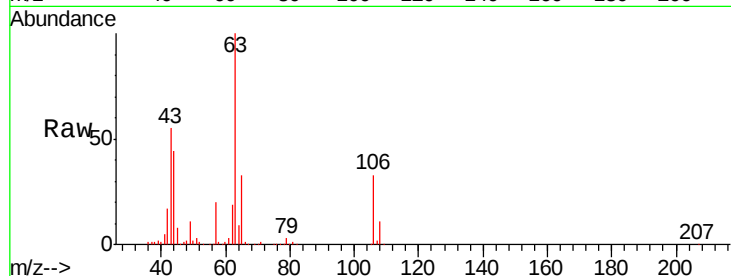
#55
2-Chloroethyl vinyl ether
Concen: 98.20 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.4	38.0
106	33.1	21.2	31.8

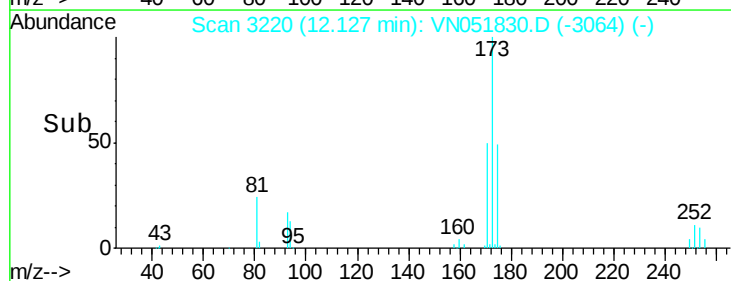
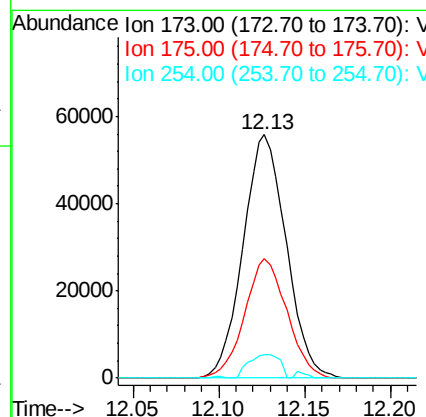
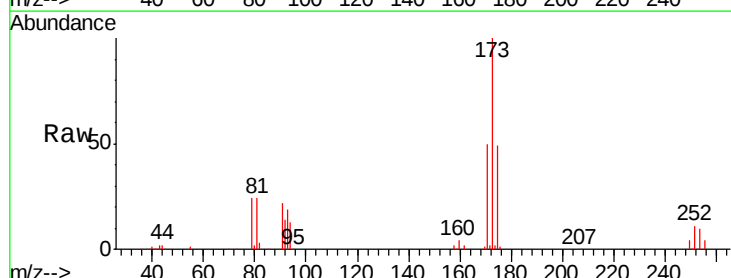
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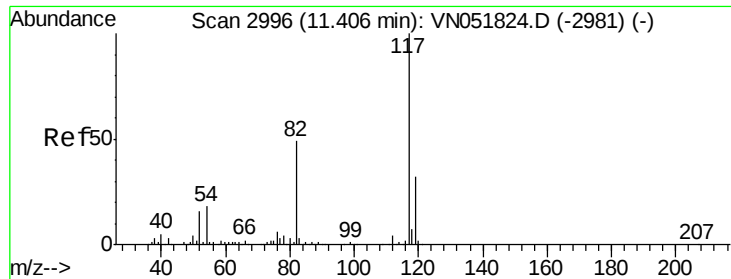
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#56
Bromoform
Concen: 17.00 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	35.8	53.8
254	6.9	8.6	13.0





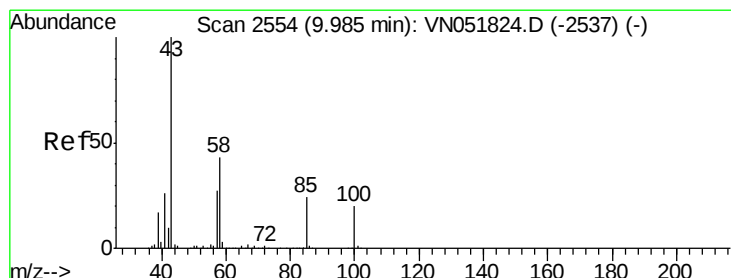
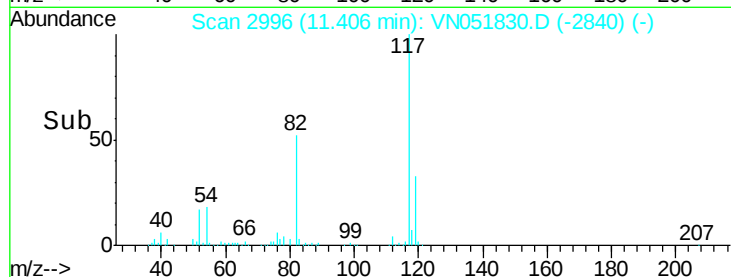
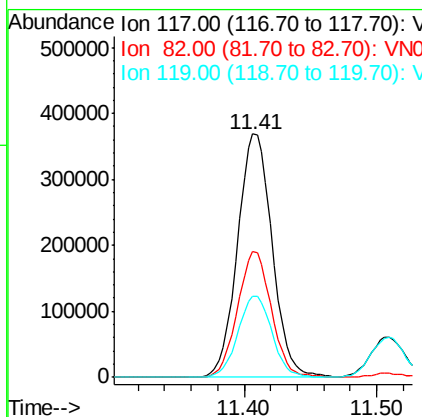
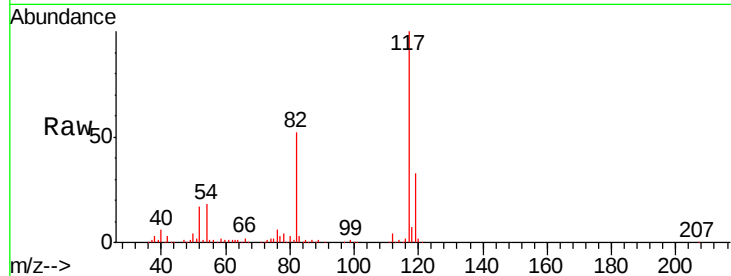
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	50.6	44.1	66.1
119	32.8	25.8	38.8

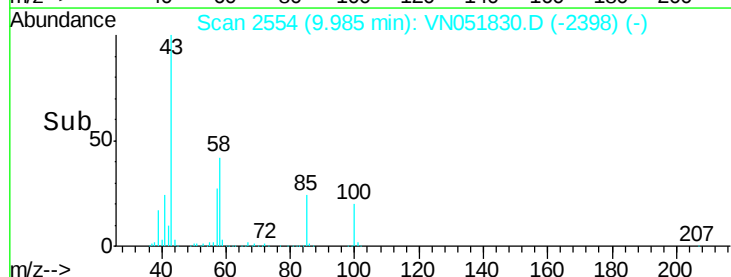
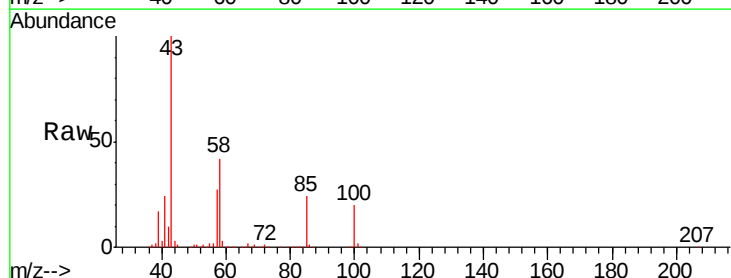
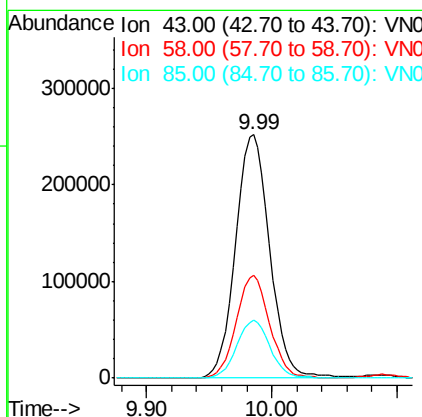
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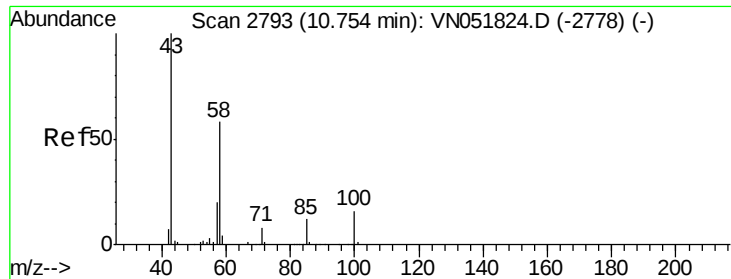
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#58
4-Methyl-2-Pentanone
Concen: 105.86 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	41.3	29.3	43.9
85	23.3	12.6	18.8





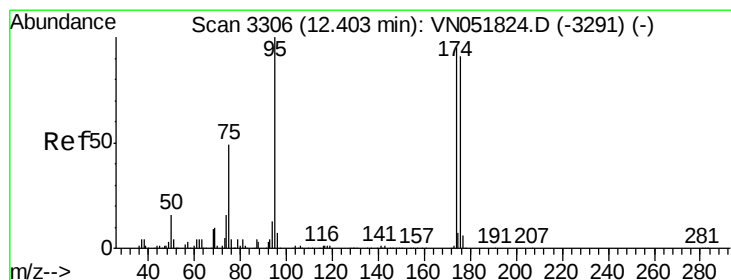
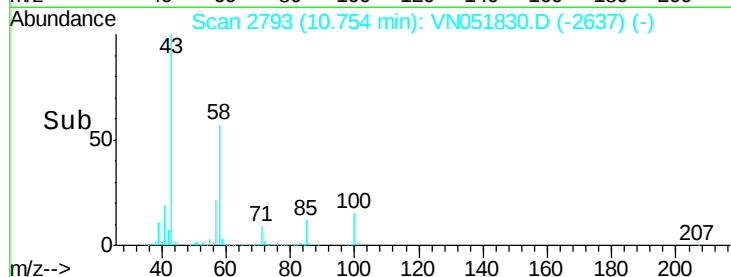
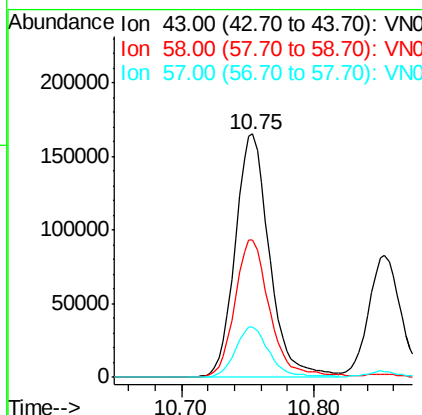
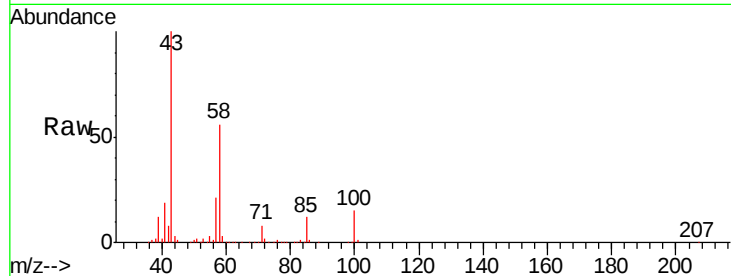
#59
2-Hexanone
Concen: 97.92 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.8	41.3	61.9
57	20.7	13.4	20.0

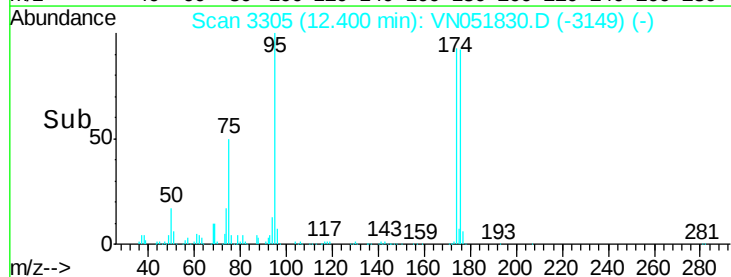
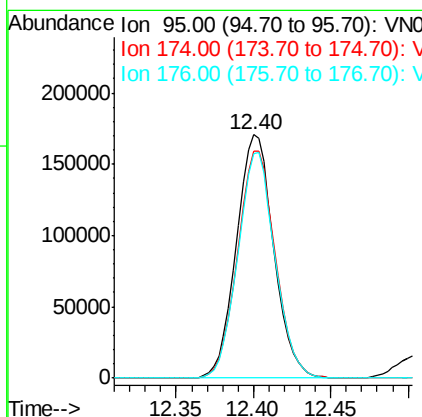
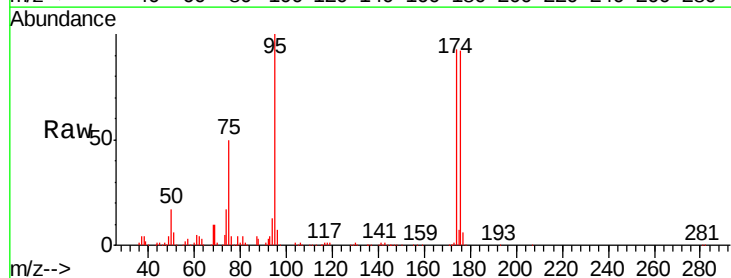
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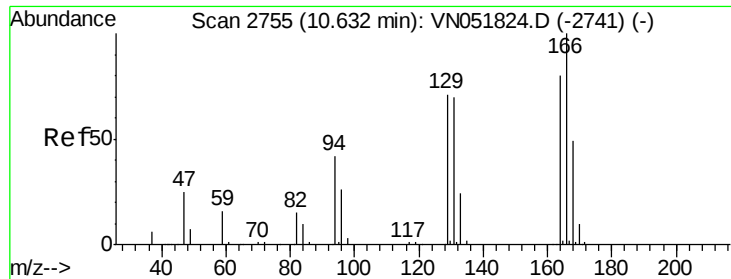
MMDadoda
10/15/2018 11:27:53 AM



#60
4-Bromofluorobenzene
Concen: 97.92 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	73.5	110.3
176	92.3	70.2	105.2





#61

Tetrachloroethene

Concen: 20.74 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 164 Resp: 177761
Ion Ratio Lower Upper

164 100

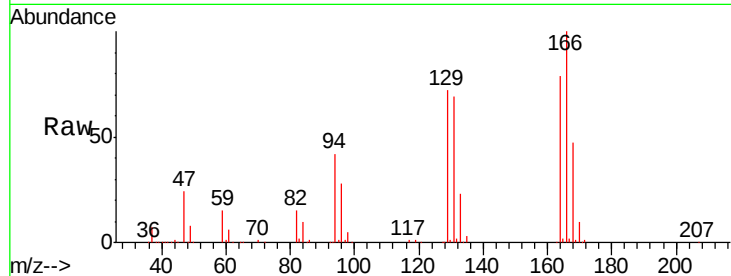
166 126.9 98.7 148.1

129 90.9 69.6 104.4

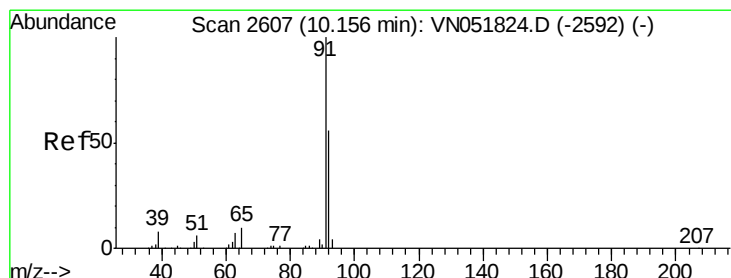
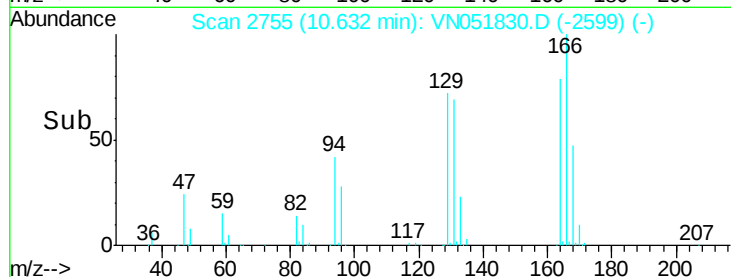
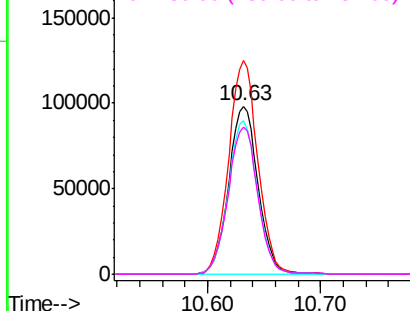
131 87.8 72.4 108.6

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.32 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

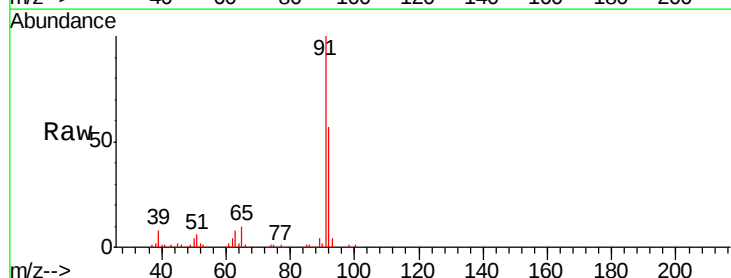
Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

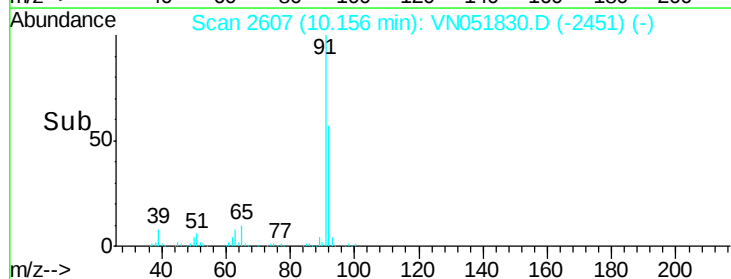
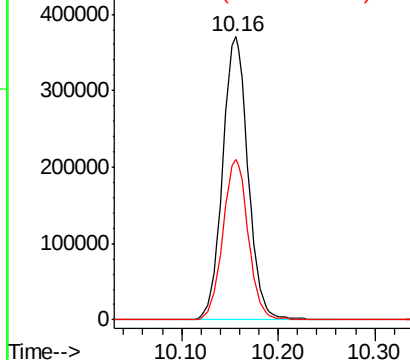
Tgt Ion: 91 Resp: 676841
Ion Ratio Lower Upper

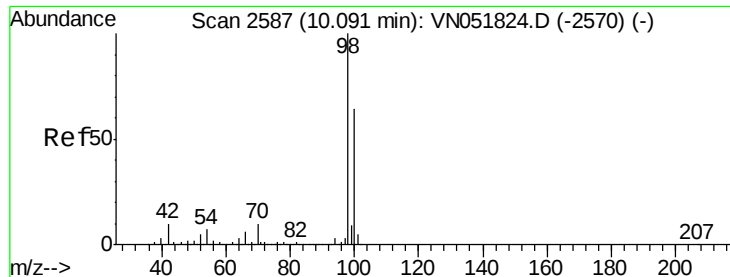
91 100

92 56.4 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





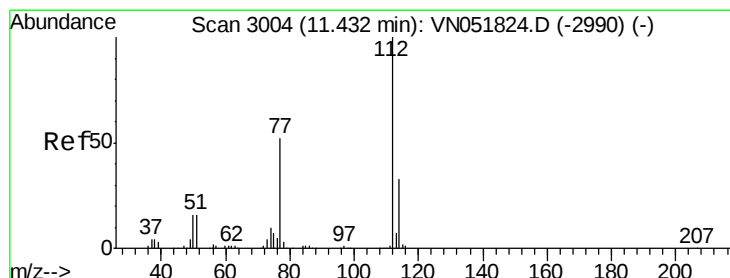
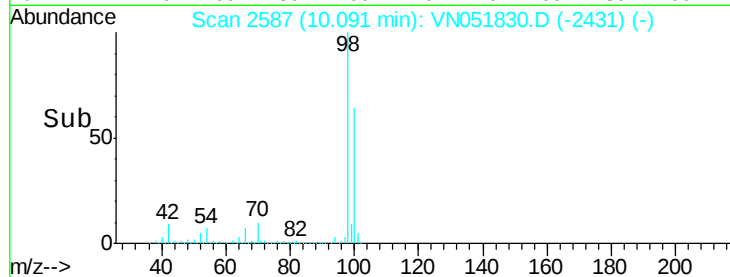
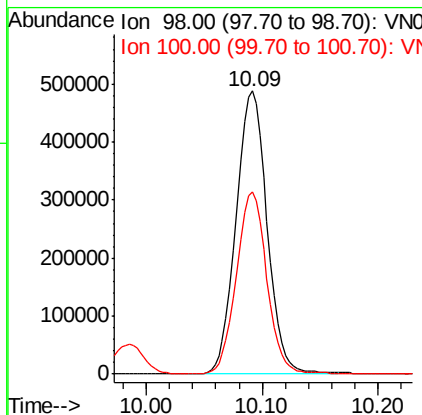
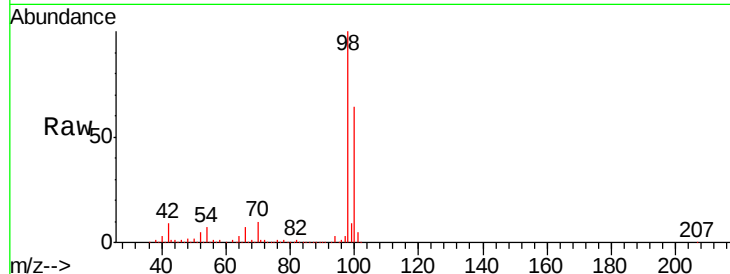
#63
Toluene-d8
Concen: 20.32 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion: 98 Resp: 907353
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2

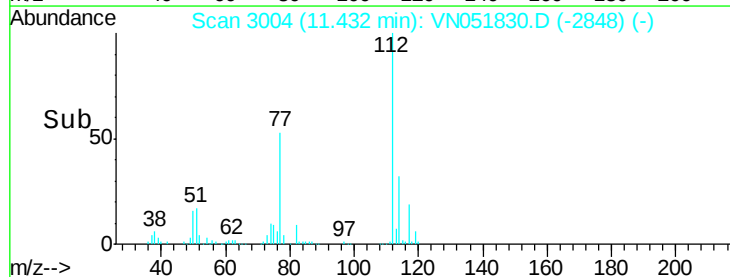
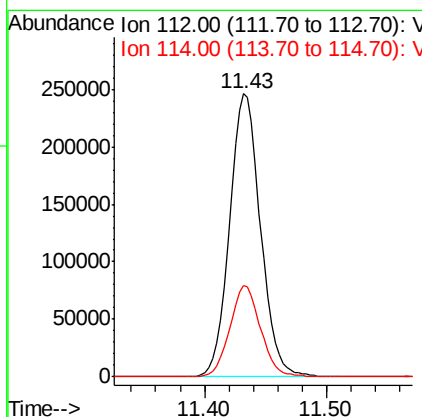
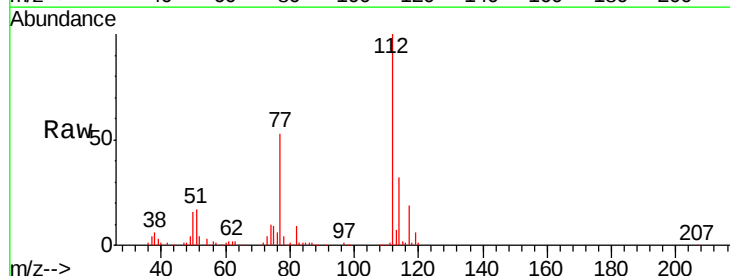
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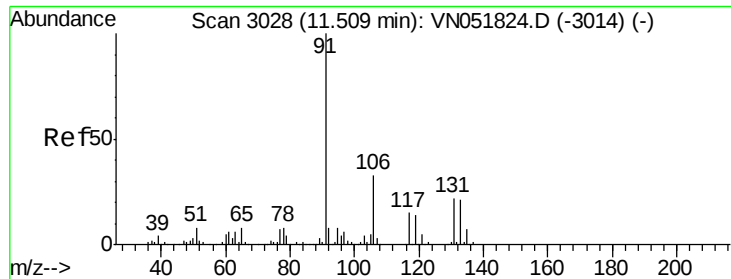
MMDadoda
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#64
Chlorobenzene
Concen: 19.88 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 112 Resp: 433511
Ion Ratio Lower Upper
112 100
114 32.4 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.63 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

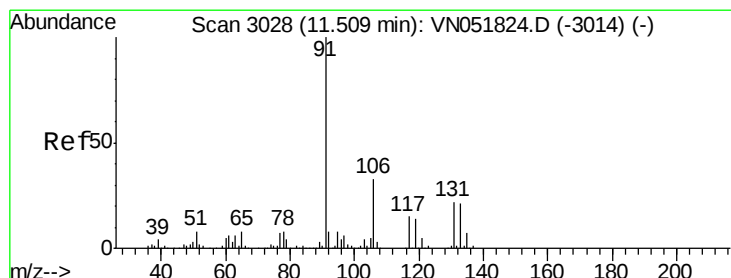
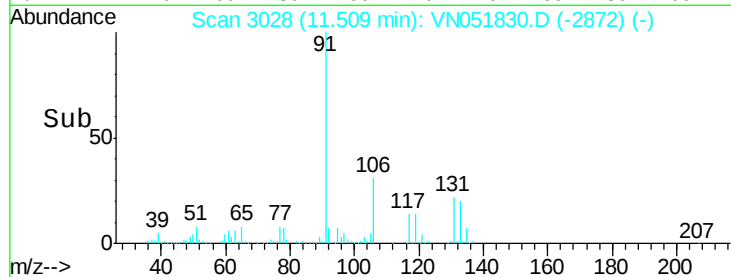
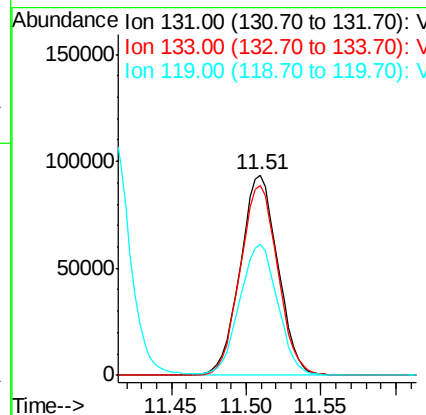
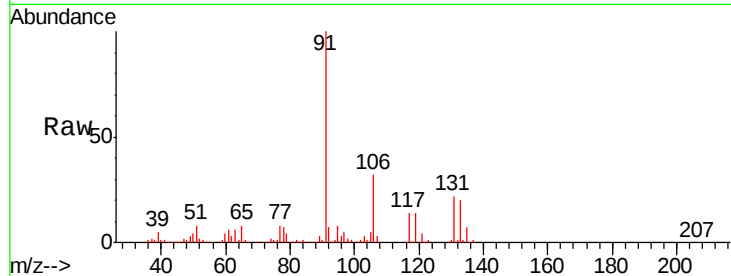
ClientSampleId :

VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	164290		
133	94.7	0.0	190.4	
119	65.7	0.0	128.0	

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#66

Ethyl Benzene

Concen: 20.01 ug/l

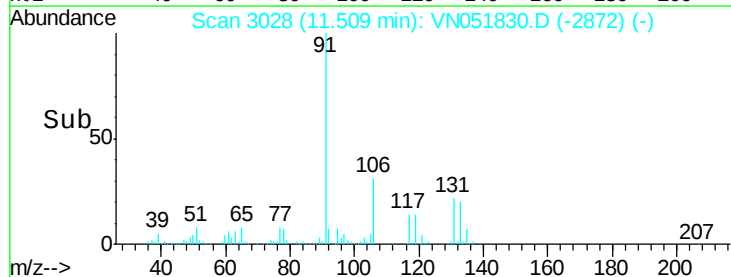
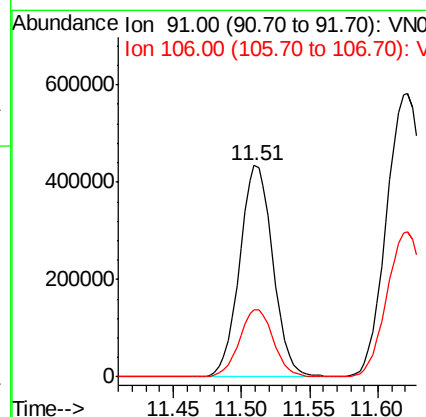
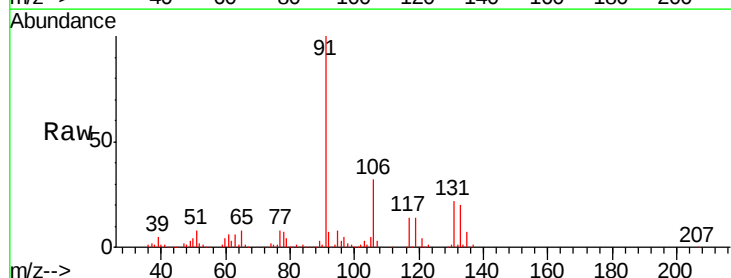
RT: 11.51 min Scan# 3028

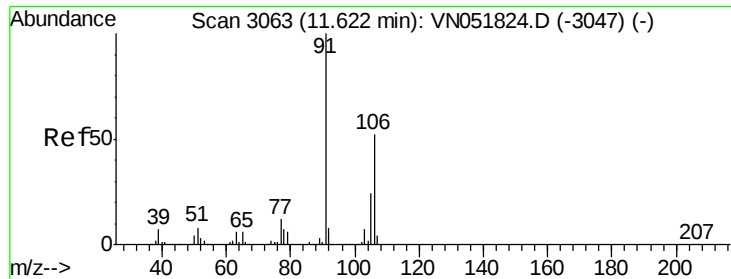
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	736405		
106	32.0	25.9	38.9	





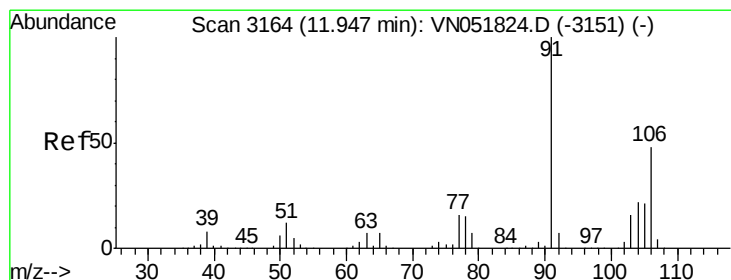
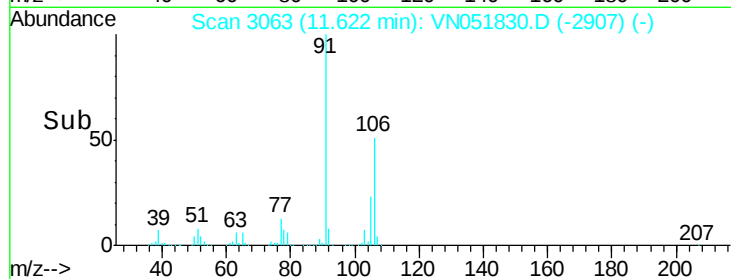
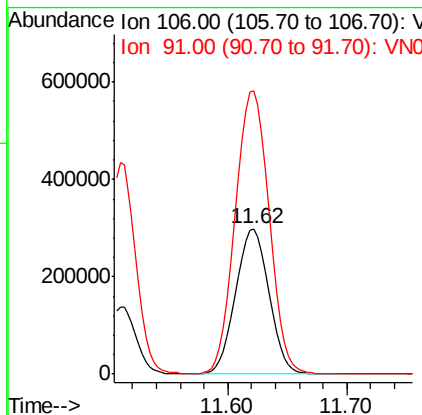
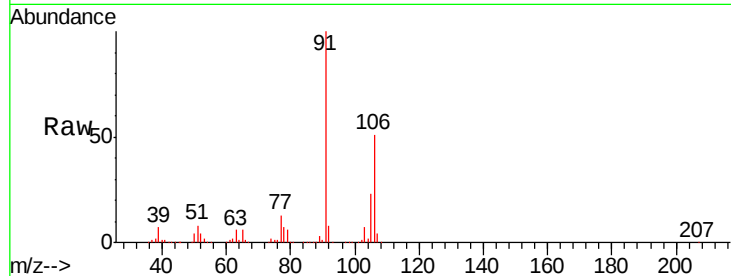
#67
m/p-Xylenes
Concen: 39.00 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion:106 Resp: 581943
Ion Ratio Lower Upper
106 100
91 197.7 158.8 238.2

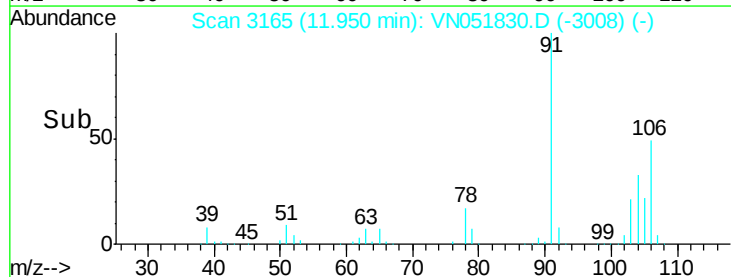
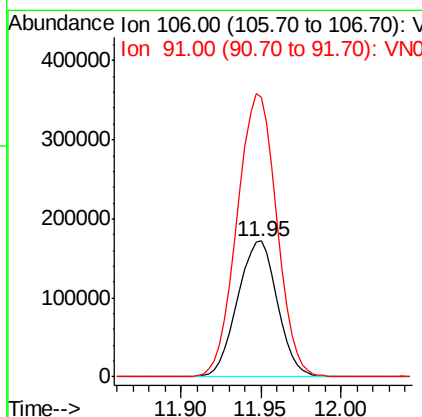
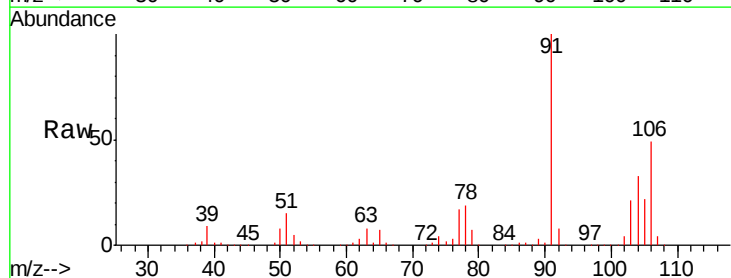
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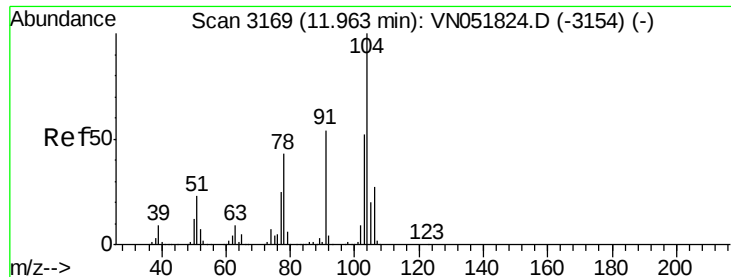
MMDadoda
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#68
o-Xylene
Concen: 19.94 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:106 Resp: 293370
Ion Ratio Lower Upper
106 100
91 206.6 111.1 333.3





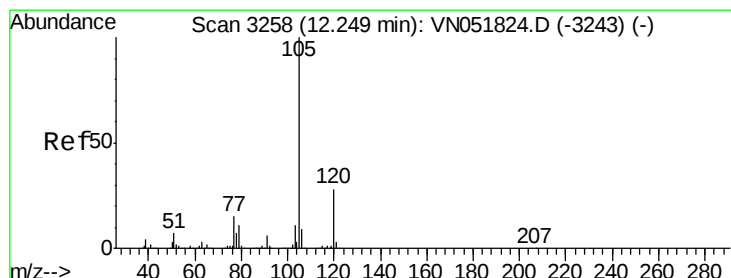
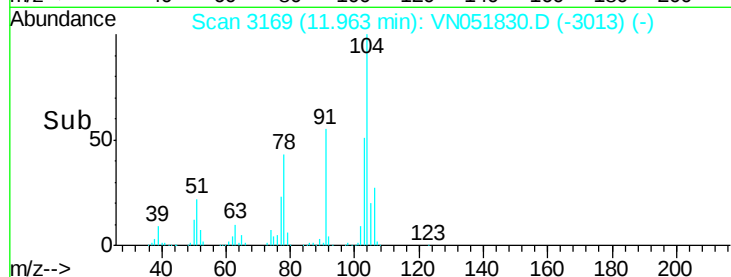
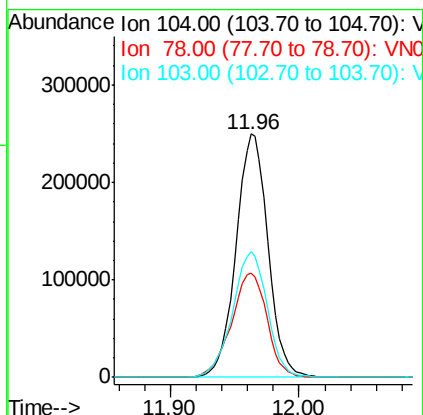
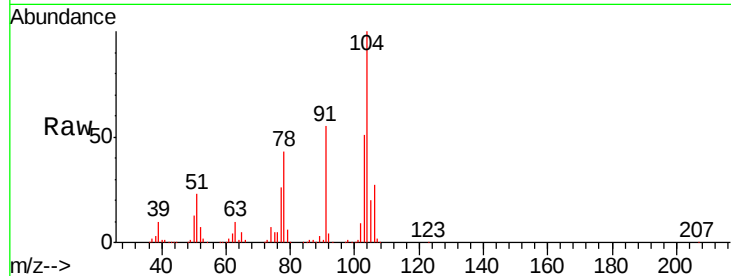
#69
Styrene
Concen: 19.06 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	40.6	60.8
103	56.2	44.0	66.0

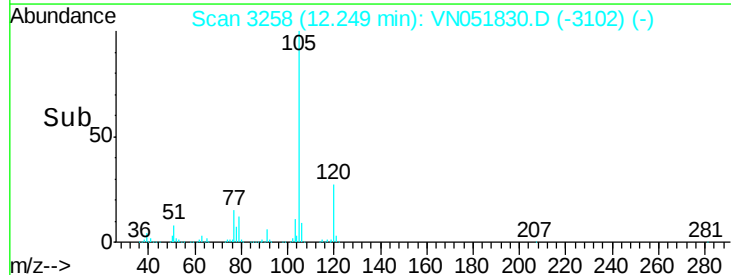
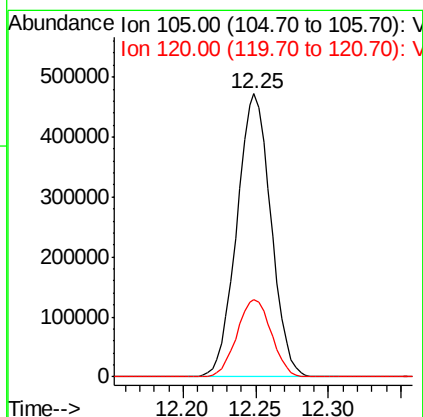
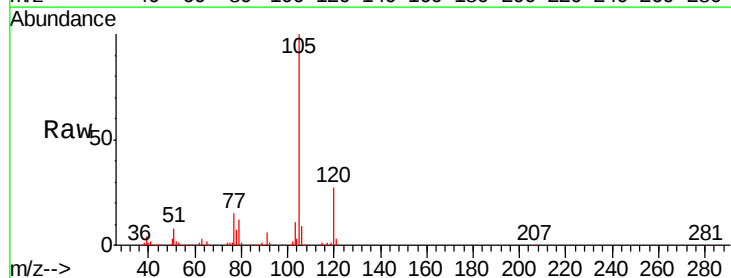
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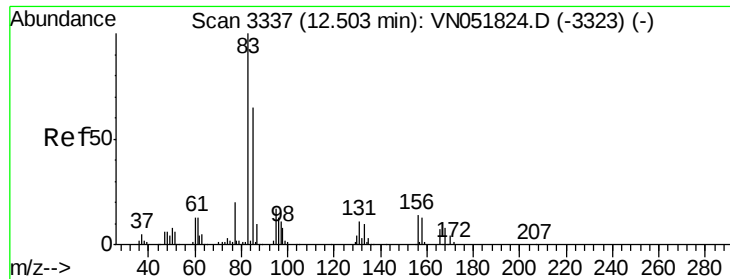
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#70
Isopropylbenzene
Concen: 19.66 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.0	35.4





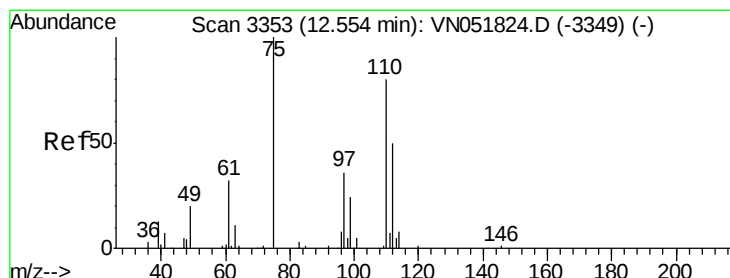
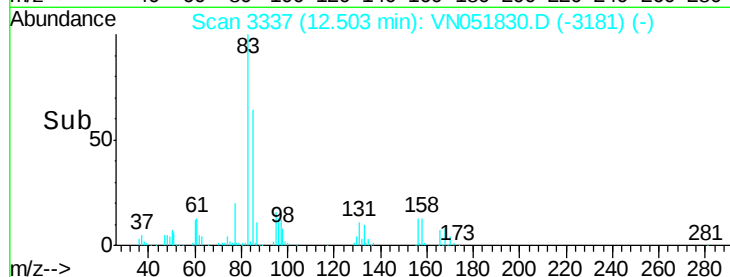
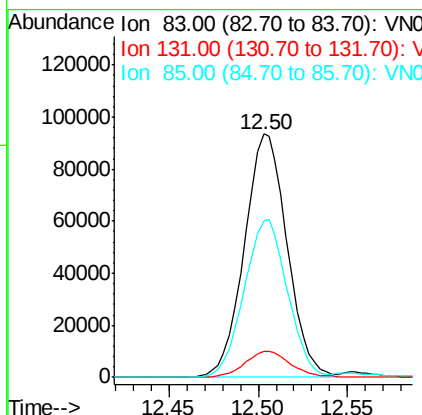
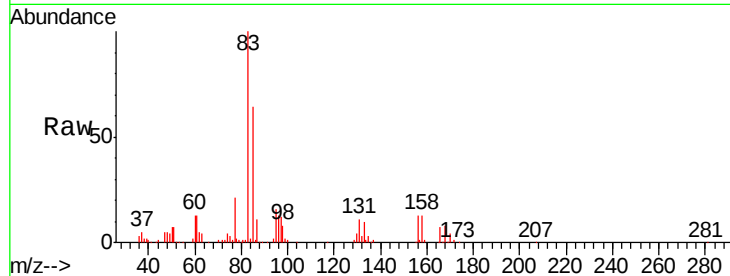
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.27 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	65.5	30.6	91.8

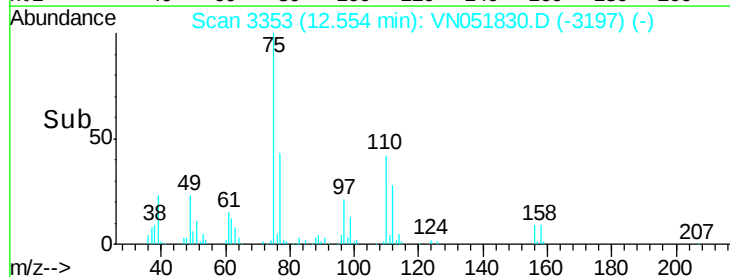
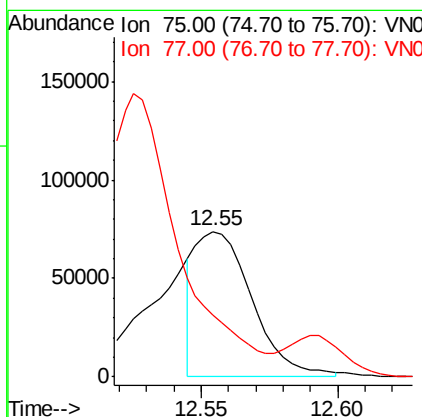
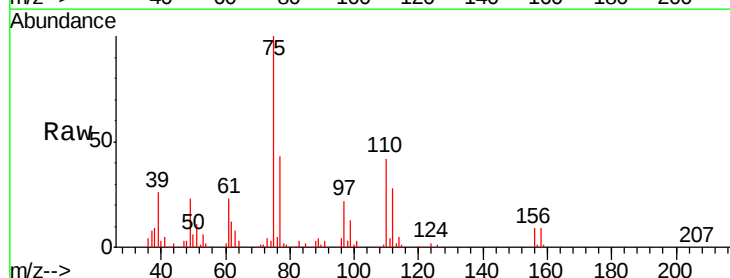
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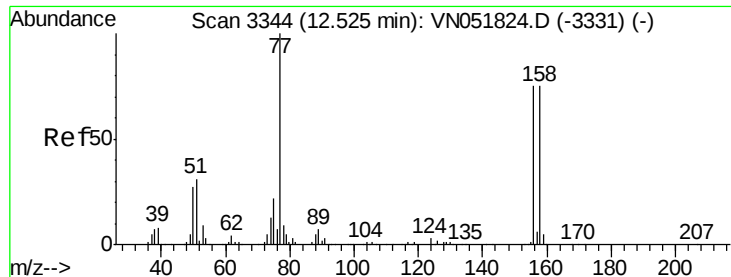
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#72
 1,2,3-Trichloropropane
 Concen: 17.60 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	268.1	0.0	400.0





#73

Bromobenzene

Concen: 19.16 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

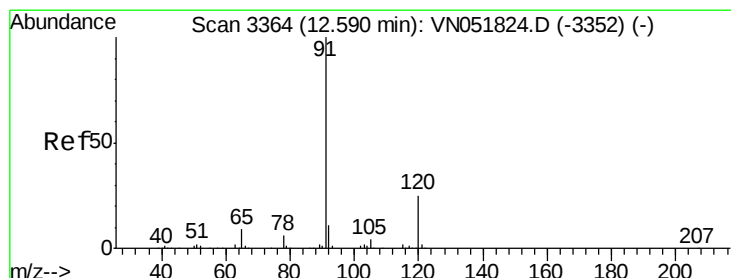
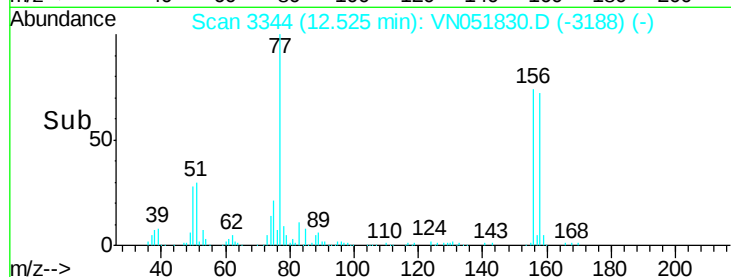
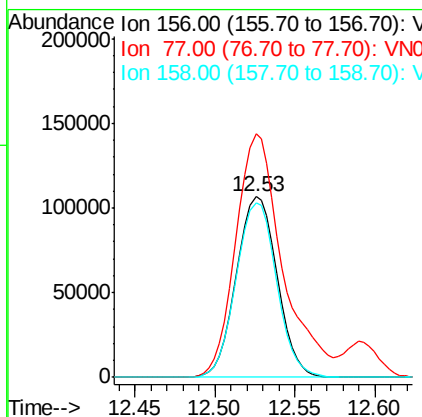
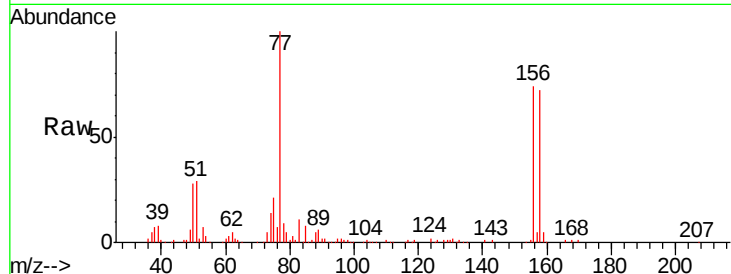
ClientSampleId :

VN1012WBS01

Tgt Ion:	156	Resp:	186153
Ion Ratio	Lower	Upper	
156	100		
77	154.4	0.0	377.4
158	96.1	0.0	203.0

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#74

n-propylbenzene

Concen: 19.71 ug/l

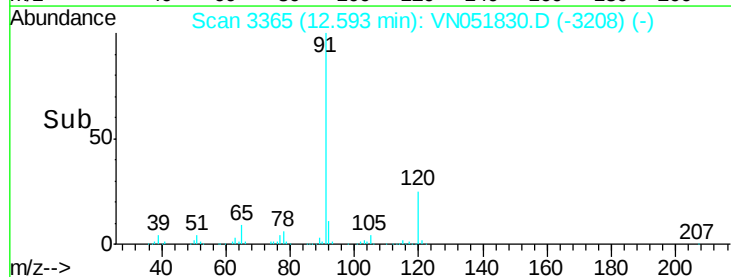
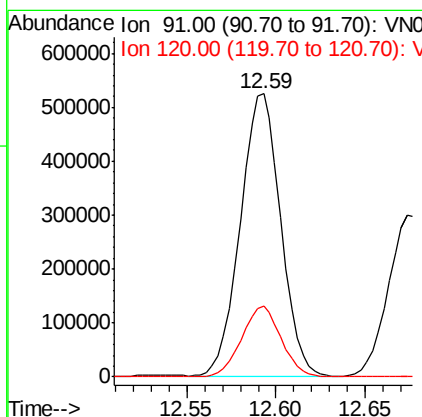
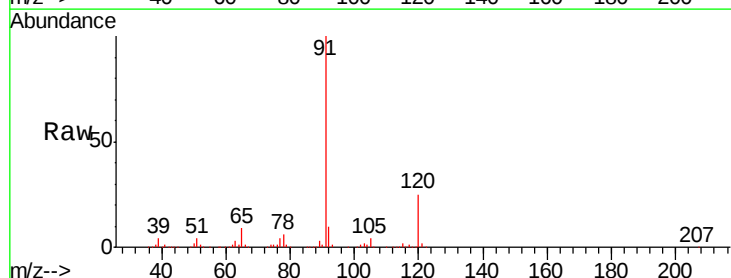
RT: 12.59 min Scan# 3365

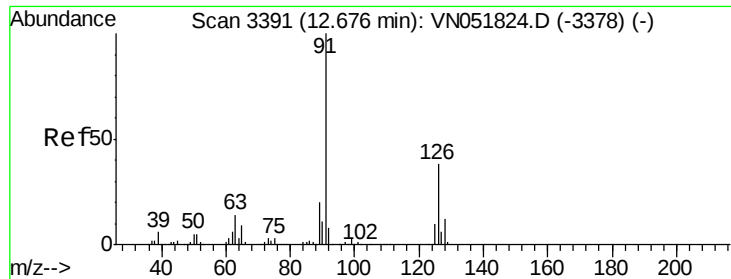
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion:	91	Resp:	831731
Ion Ratio	Lower	Upper	
91	100		
120	24.4	0.0	45.0





#75

2-Chlorotoluene

Concen: 20.03 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

Tgt Ion: 91 Resp: 495528

Ion Ratio Lower Upper

91 100

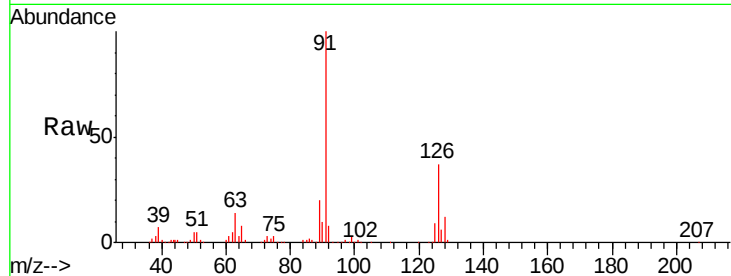
126 37.1 0.0 67.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

400000

300000

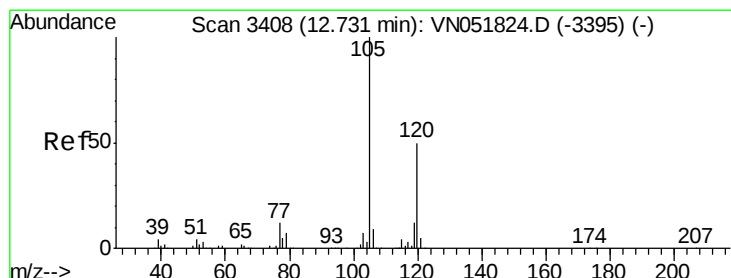
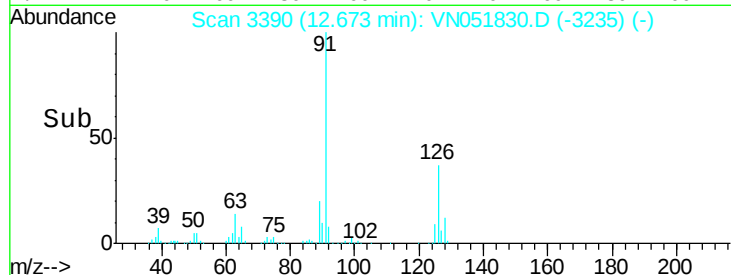
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.96 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051830.D

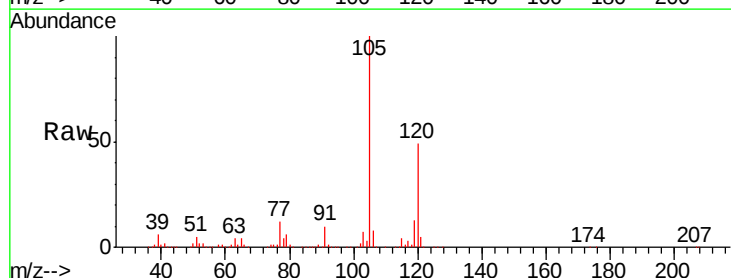
Acq: 12 Oct 2018 14:12

Tgt Ion: 105 Resp: 647491

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

400000

300000

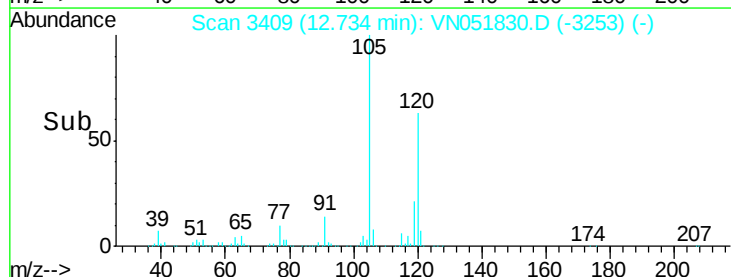
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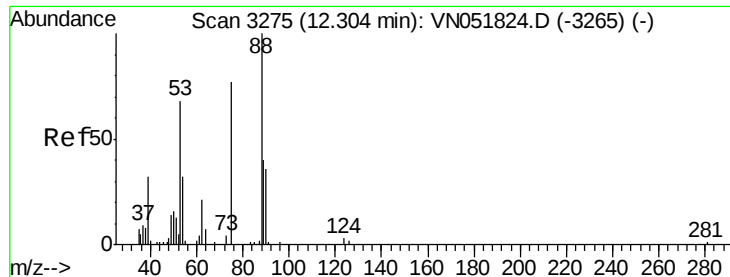
100000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.98 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

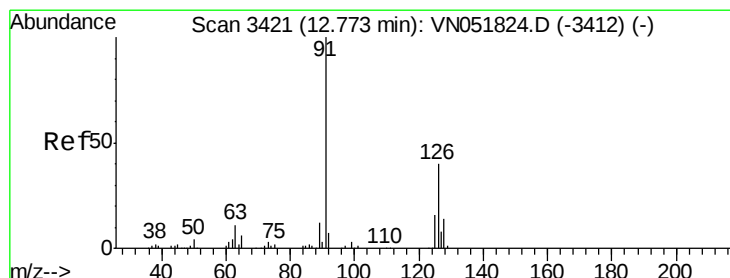
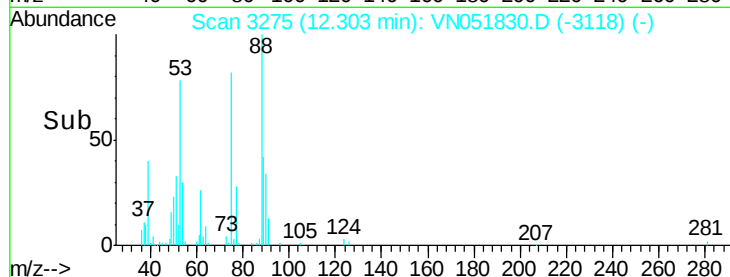
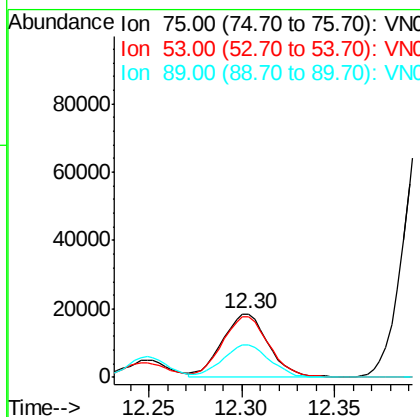
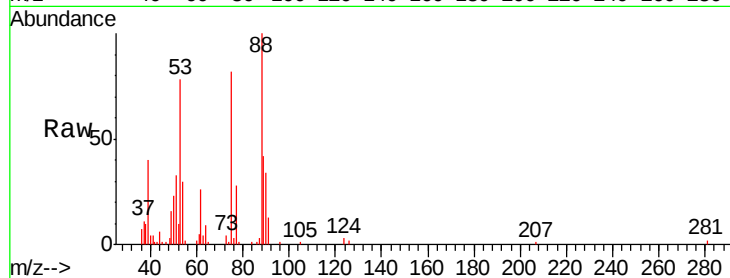
ClientSampleId :

VN1012WBS01

Tgt Ion:	75	Resp:	32199
Ion	Ratio	Lower	Upper
75	100		
53	95.1	46.3	138.9
89	50.9	24.6	73.8

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#78

4-Chlorotoluene

Concen: 19.43 ug/l

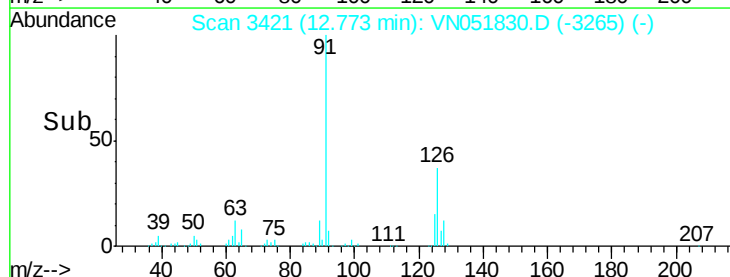
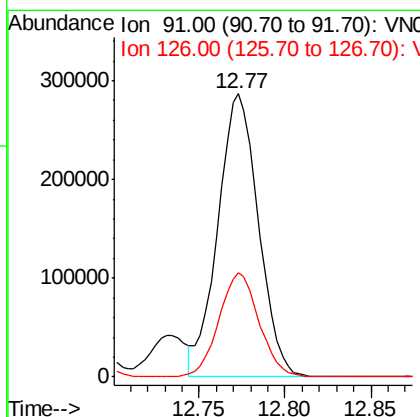
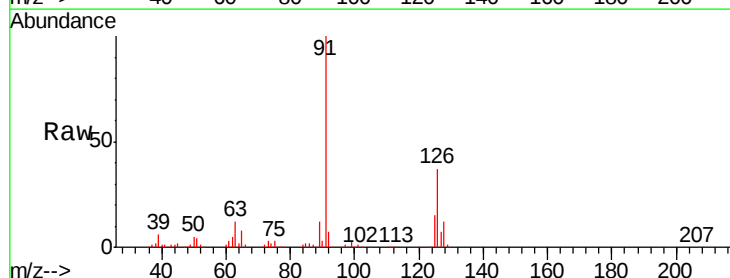
RT: 12.77 min Scan# 3421

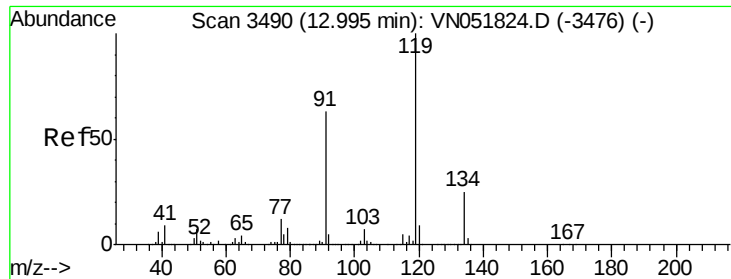
Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion:	91	Resp:	472205
Ion	Ratio	Lower	Upper
91	100		
126	36.4	0.0	65.2





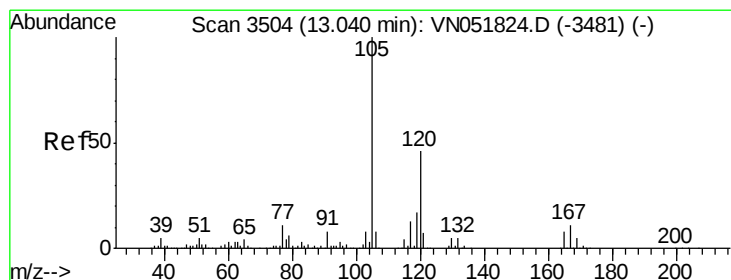
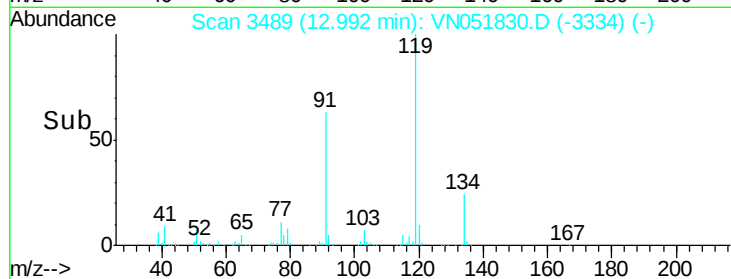
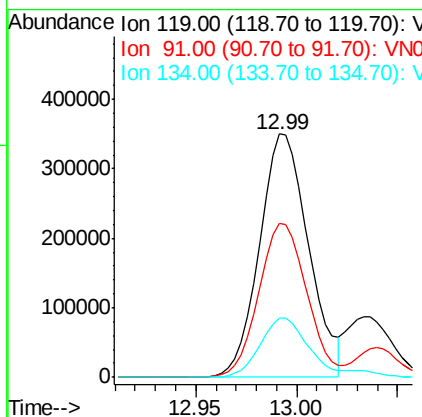
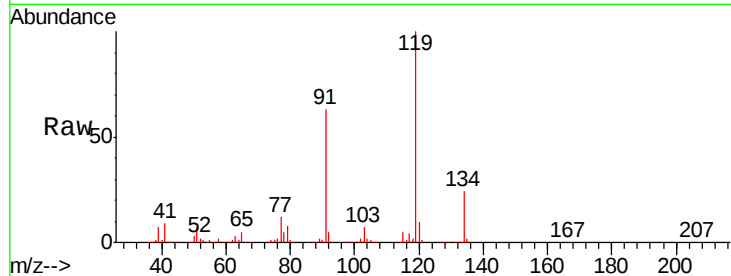
#79
tert-butylbenzene
Concen: 19.90 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	593621		
91	61.7	0.0	131.6	
134	24.0	0.0	46.2	

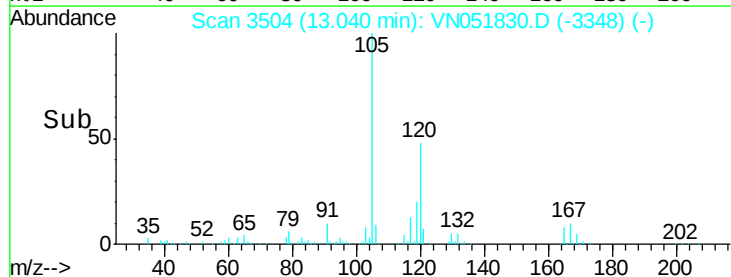
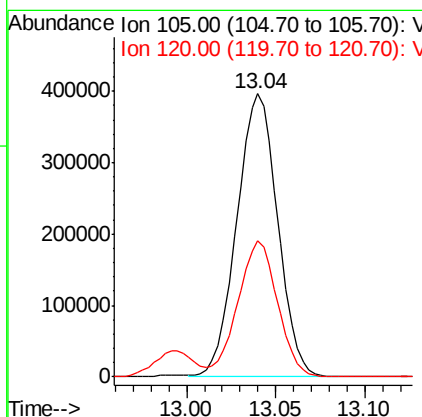
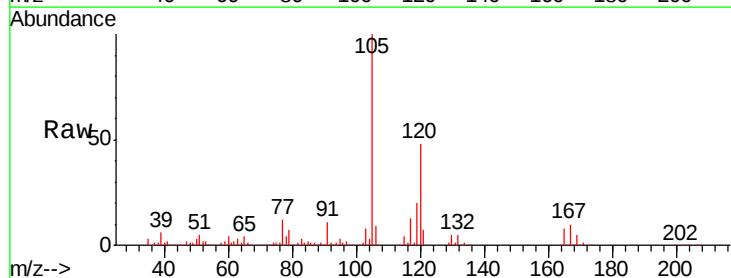
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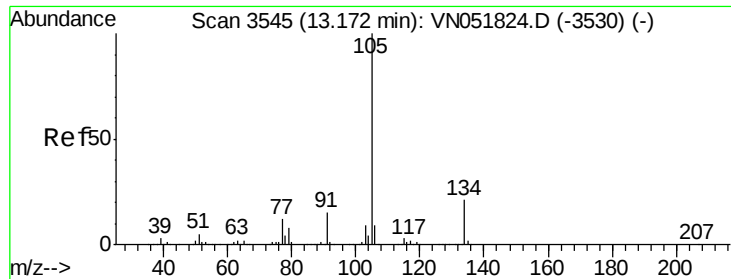
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#80
1,2,4-Trimethylbenzene
Concen: 19.60 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	635507		
120	46.6	0.0	89.6	





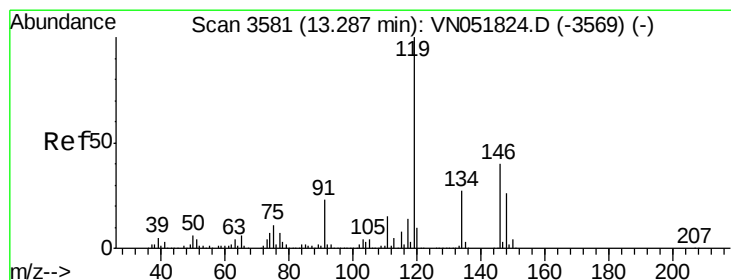
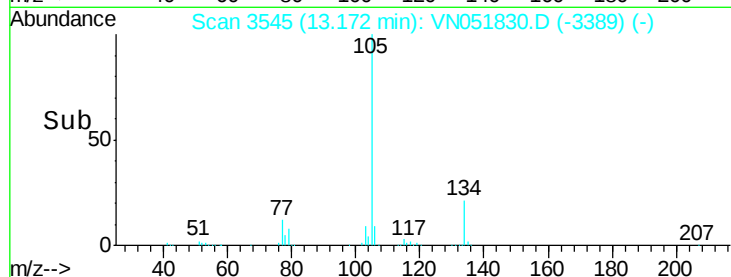
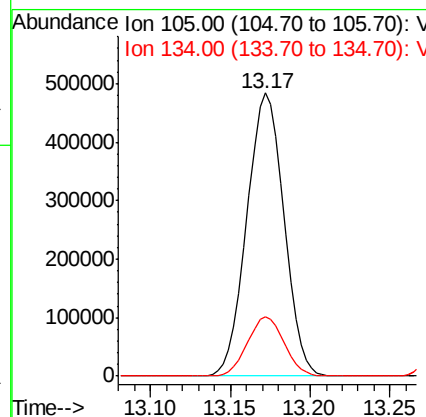
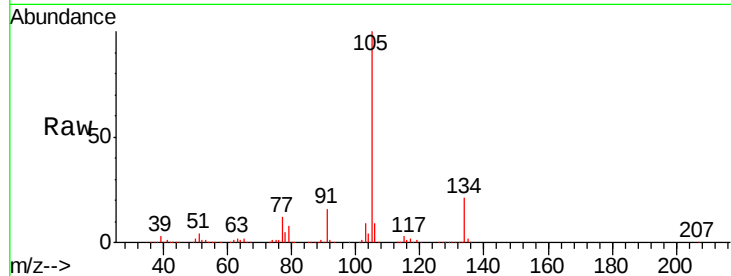
#81
 sec-Butylbenzene
 Concen: 19.66 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	767366		
134	20.8	0.0	39.4	

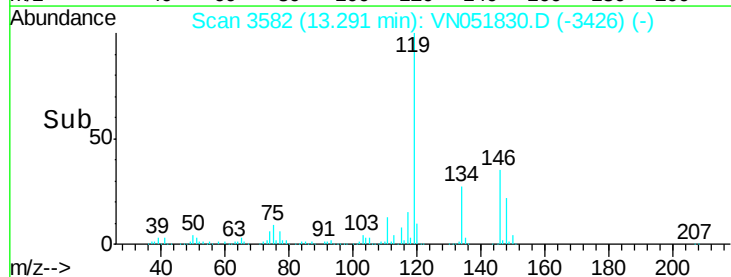
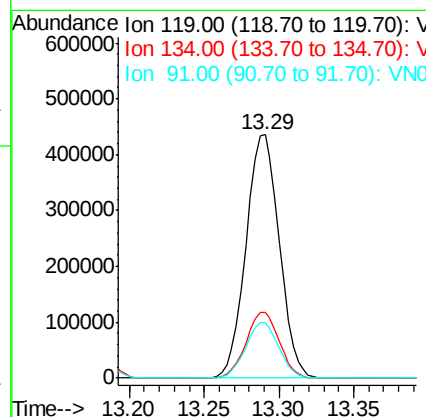
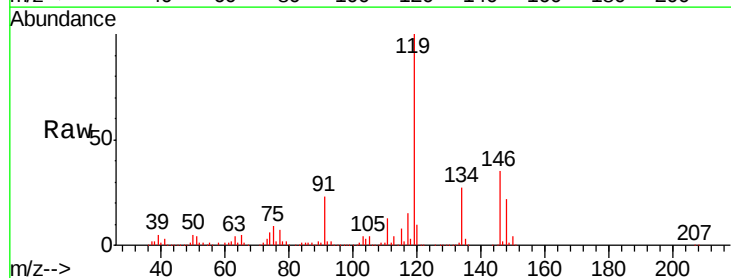
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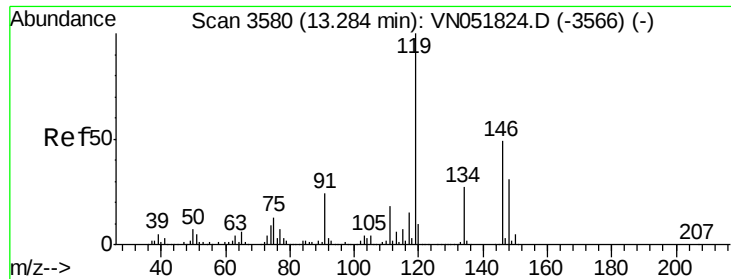
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#82
 p-Isopropyltoluene
 Concen: 19.39 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	677181		
134	26.9	0.0	53.6	
91	22.7	0.0	52.0	





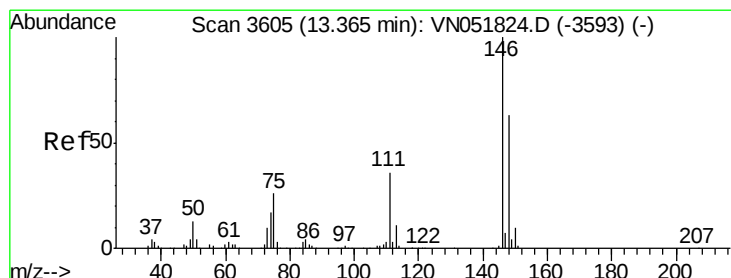
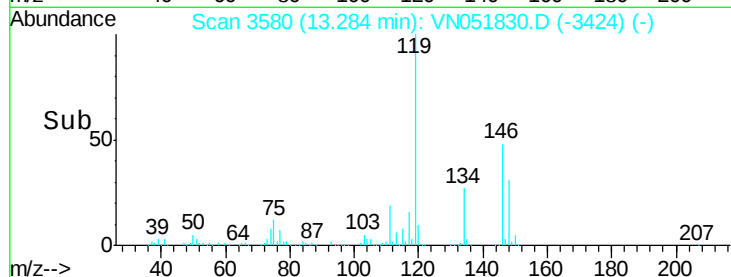
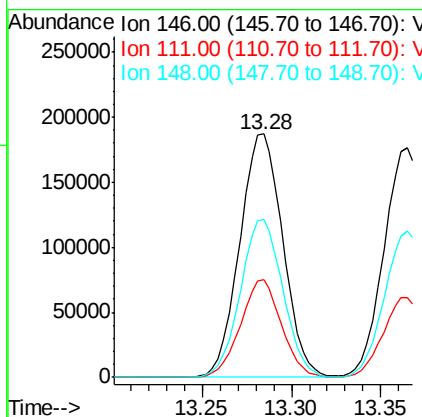
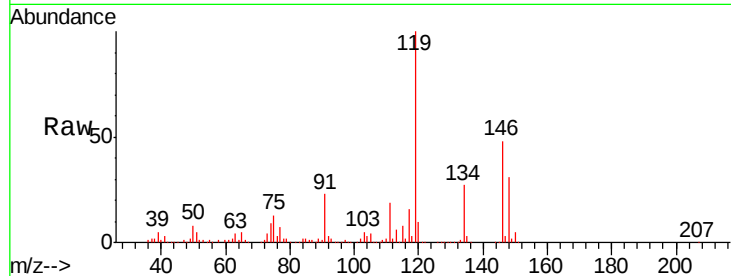
#83
 1,3-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	316455		
111	38.0	18.1	54.3	
148	63.9	31.3	93.8	

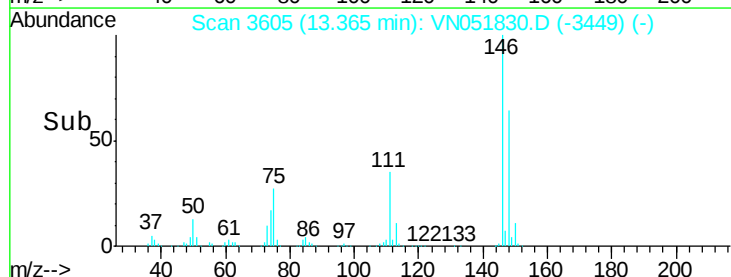
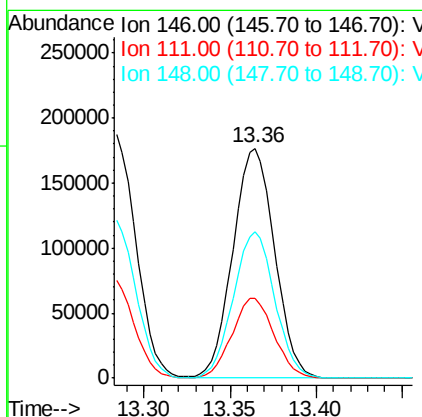
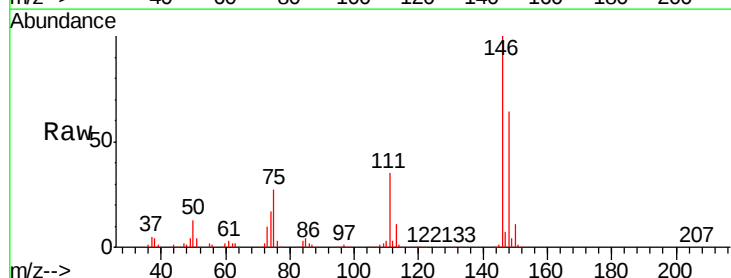
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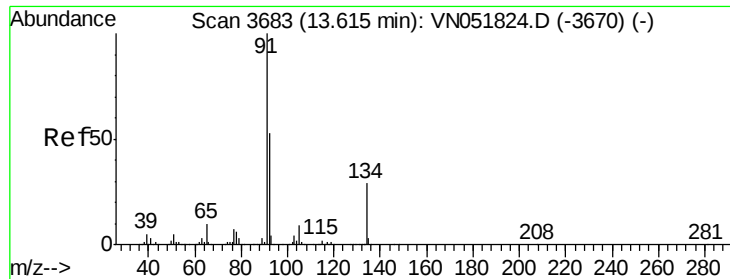
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#84
 1,4-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296920		
111	34.8	17.4	52.2	
148	63.3	32.8	98.3	





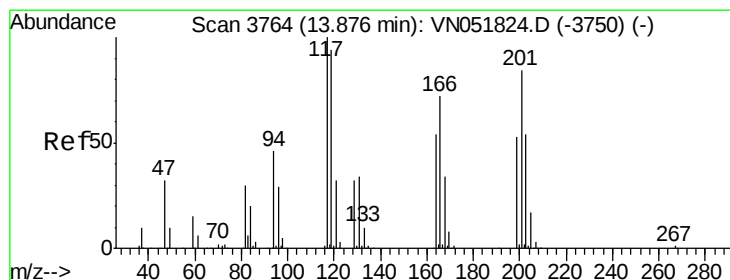
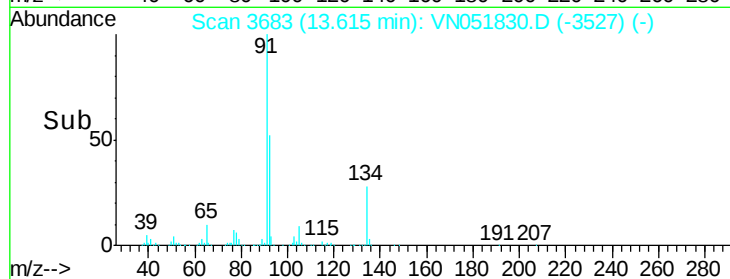
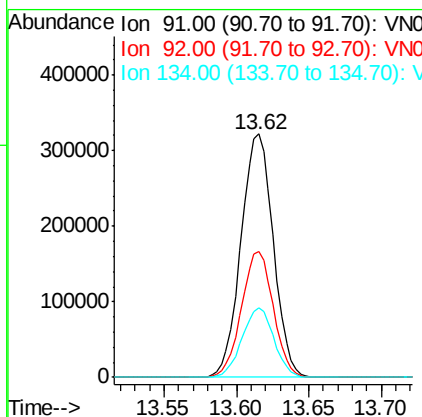
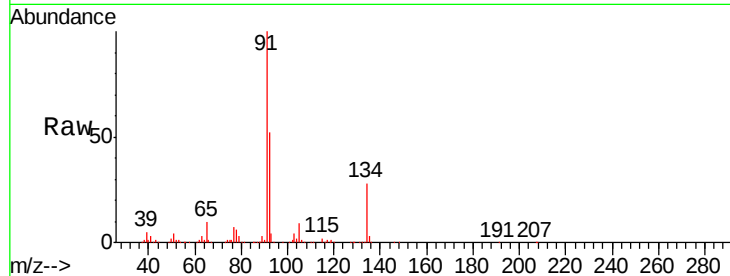
#85
n-Butylbenzene
Concen: 18.98 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
92	50.9	0.0	97.4
134	28.1	0.0	49.6

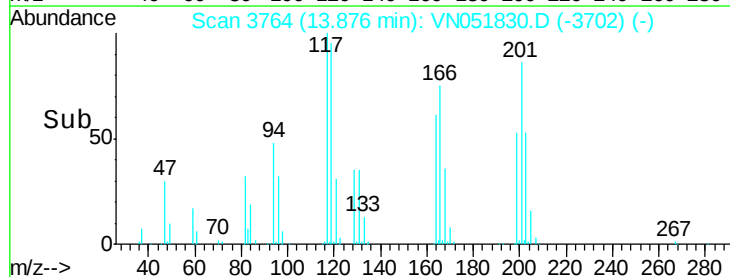
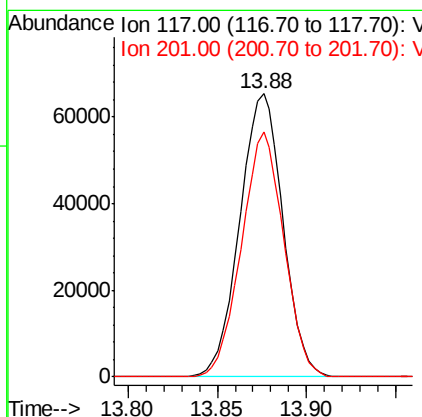
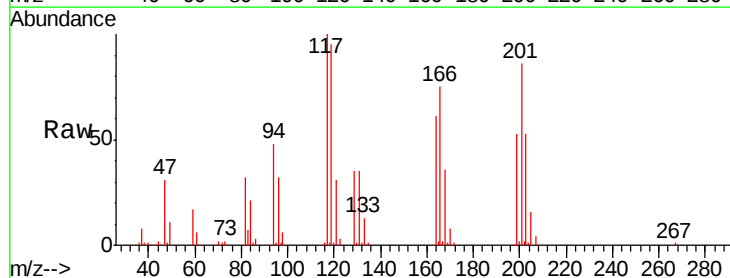
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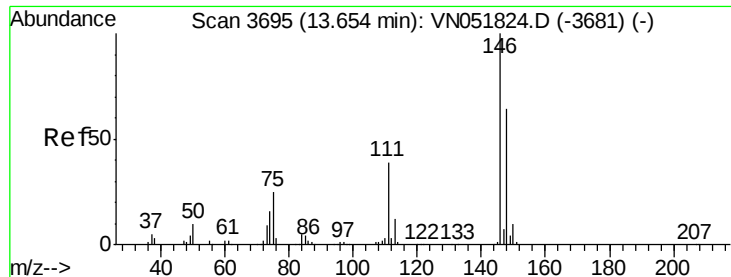
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#86
Hexachloroethane
Concen: 18.40 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
201	84.7	47.8	143.3





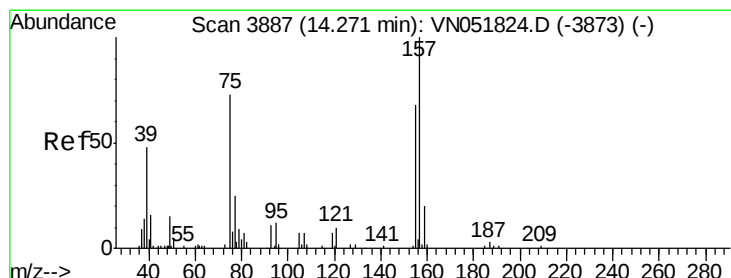
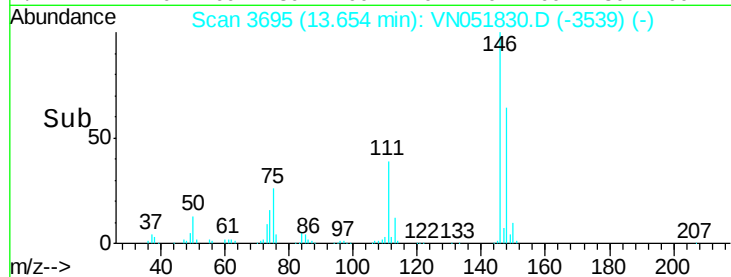
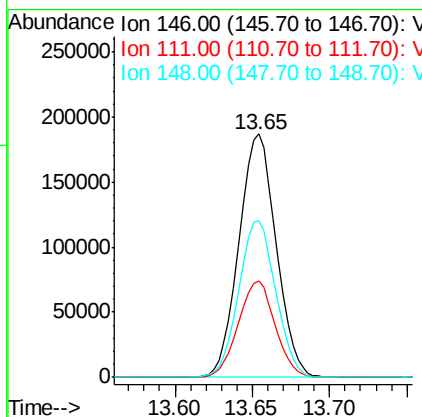
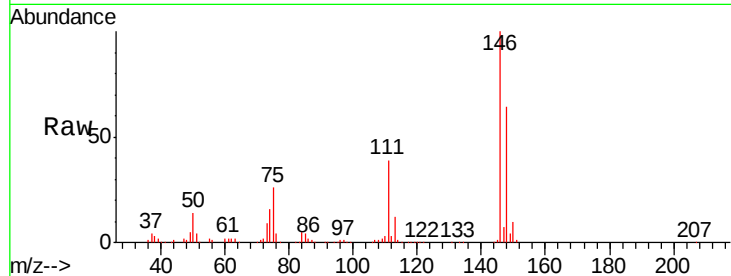
#87
 1,2-Dichlorobenzene
 Concen: 18.87 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	64.0	33.2	99.6

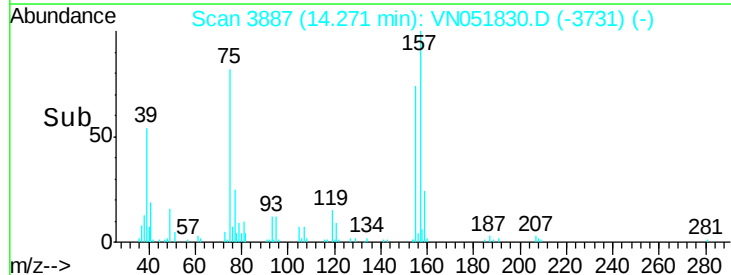
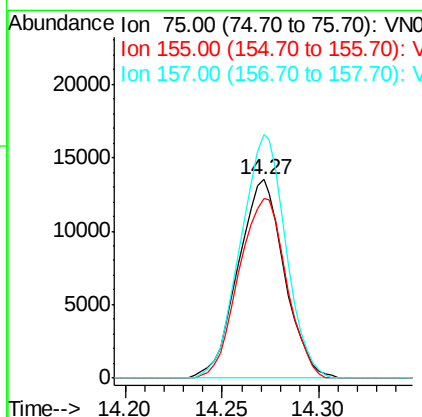
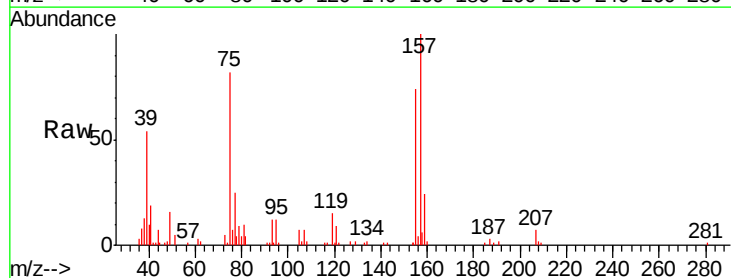
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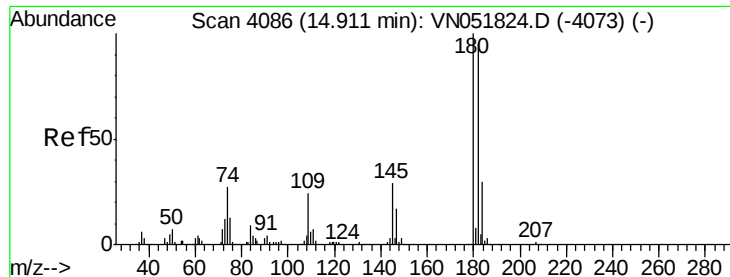
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.49 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	57.0	85.6#
157	119.4	87.4	131.0





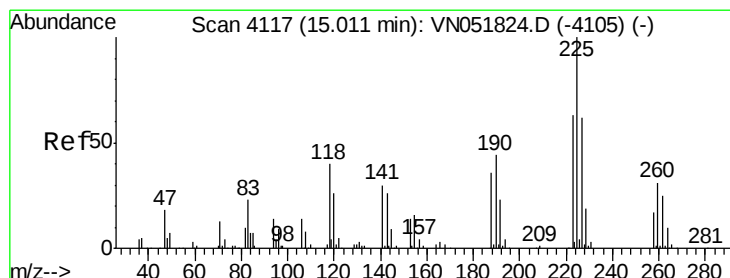
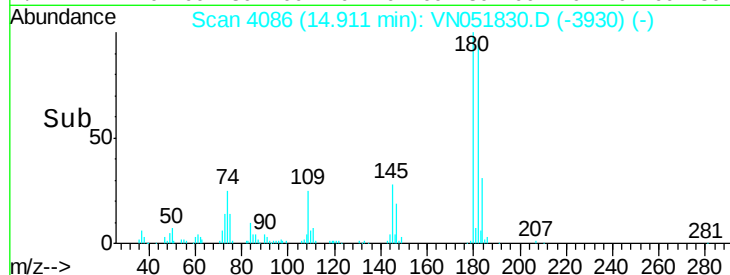
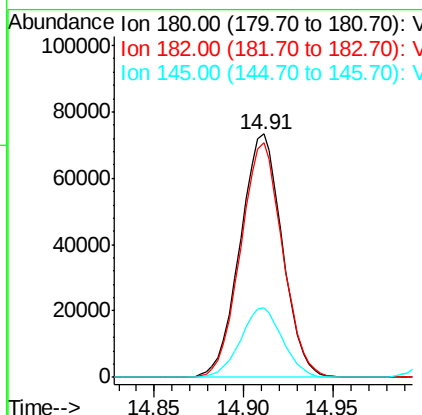
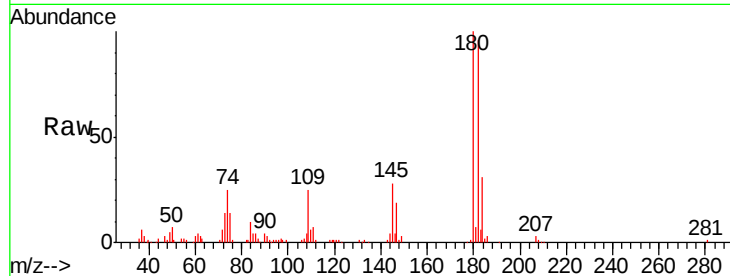
#89
 1,2,4-Trichlorobenzene
 Concen: 18.78 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121051		
182	96.1	77.7	116.5	
145	28.5	23.4	35.2	

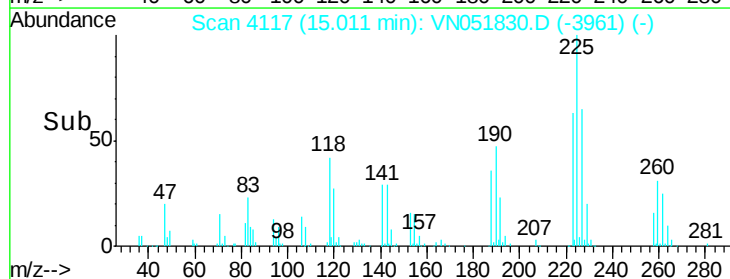
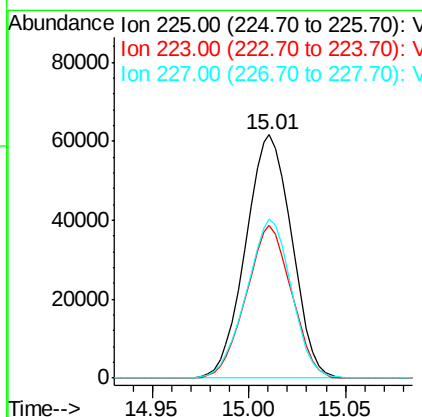
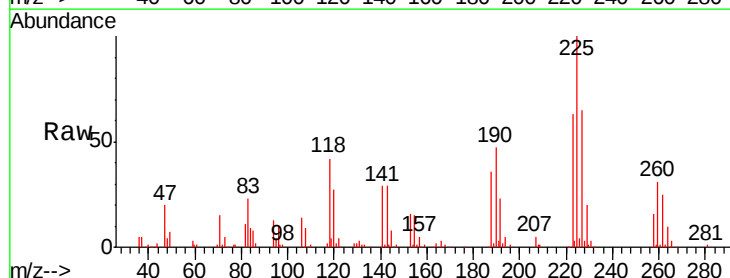
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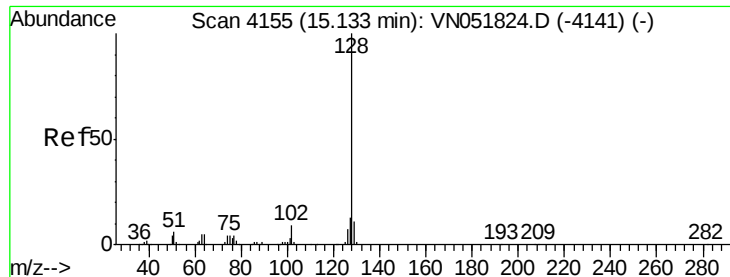
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#90
 Hexachlorobutadiene
 Concen: 19.15 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102458		
223	61.5	0.0	117.0	
227	63.7	0.0	127.0	





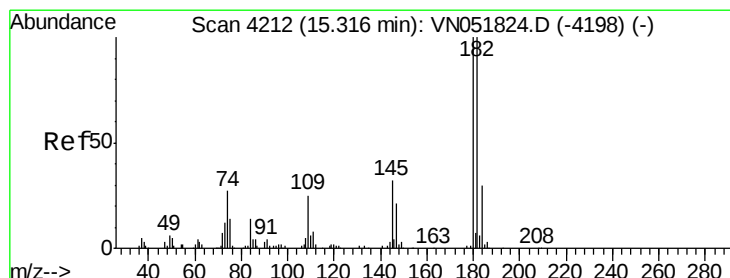
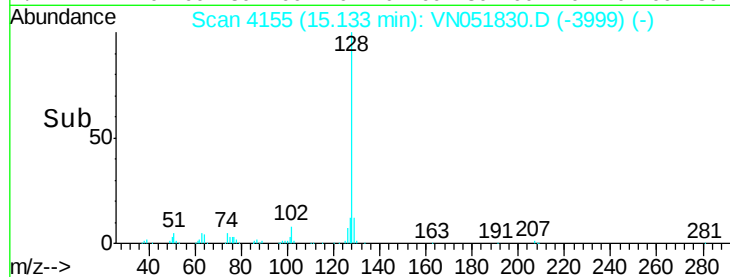
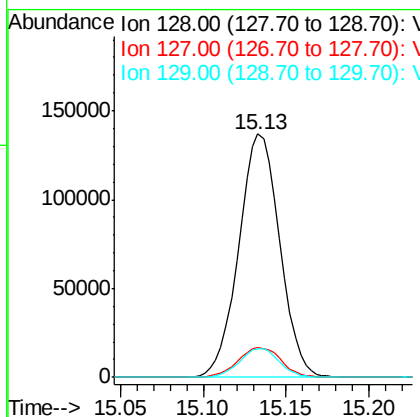
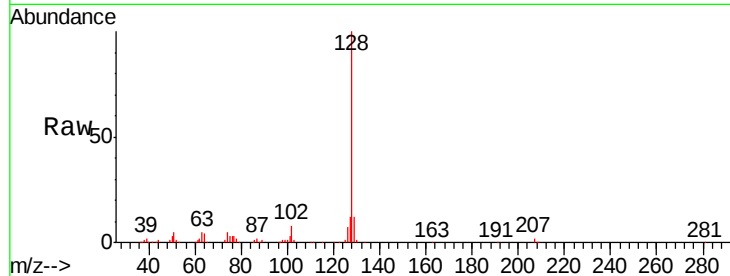
#91
Naphthalene
Concen: 18.90 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	235278		
127	12.9	10.1	15.1	
129	11.5	8.4	12.6	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.26 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130361		
182	96.1	0.0	198.0	
145	31.1	0.0	36.8	

