

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051864.D
 Acq On : 15 Oct 2018 10:39
 Operator : MD\SY
 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 16 00:57:50 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	123862	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	697287	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	584867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221844	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	242058	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	803985	31.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.53%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	95159	19.78	ug/l	100
3) Chloromethane	2.06	50	93458	18.38	ug/l	99
4) Vinyl Chloride	2.18	62	134019	17.65	ug/l	99
5) Bromomethane	2.57	94	118752	17.70	ug/l	85
6) Chloroethane	2.71	64	96845	17.69	ug/l	98
7) Trichlorofluoromethane	3.02	101	210855	19.47	ug/l	97
8) Diethyl Ether	3.41	74	58178	18.46	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127222	20.63	ug/l #	40
10) 1,1-Dichloroethene	3.74	96	111051	19.47	ug/l	88
11) Methyl Iodide	3.95	142	151562	18.28	ug/l	93
12) Methyl Acetate	4.33	43	68790	19.43	ug/l	93
13) Acrolein	3.61	56	14457	61.96	ug/l	92
14) Acrylonitrile	5.00	53	132315	83.60	ug/l #	62
15) Acetone	3.82	58	36090	92.24	ug/l	99
16) Carbon Disulfide	4.05	76	271359	18.12	ug/l	97
17) Allyl chloride	4.33	41	124726	18.42	ug/l	78
18) Methylene Chloride	4.55	84	122368	19.19	ug/l	87
19) trans-1,2-Dichloroethene	5.05	96	120525	18.51	ug/l	86
20) Diisopropyl ether	5.95	45	268795	17.83	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	200769	19.06	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	142679	18.65	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	32030	76.84	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	299210	18.21	ug/l #	91
25) Chloroform	7.37	83	233044	18.64	ug/l	98
26) Cyclohexane	7.65	56	161132	18.04	ug/l #	69
29) 1,1-Dichloropropene	7.79	75	167428	18.63	ug/l	94
30) 2-Butanone	6.84	43	150806	80.27	ug/l #	91
31) 2,2-Dichloropropane	6.82	77	199454	18.86	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	219691	18.44	ug/l	94
33) Carbon Tetrachloride	7.77	117	198252	18.39	ug/l	90
34) Benzene	8.04	78	492961	18.54	ug/l #	67
35) Methacrylonitrile	7.18	41	31588	12.80	ug/l	78
36) 1,2-Dichloroethane	8.13	62	153971	18.07	ug/l	98
37) Trichloroethene	8.84	130	149871	18.16	ug/l	97
38) Methylcyclohexane	9.08	83	211342	18.33	ug/l	79
39) 1,2-Dichloropropane	9.12	63	116002	18.53	ug/l	99
40) Dibromomethane	9.21	93	81024	17.44	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	173210	18.05	ug/l	95
42) Vinyl Acetate	5.90	43	900104	85.11	ug/l #	89
43) Ethyl Acetate	6.93	43	67728	16.60	ug/l	97
44) Isopropyl Acetate	8.17	43	138858	17.04	ug/l	95
45) 1,4-Dioxane	9.20	88	21950	335.51	ug/l #	72
46) Methyl methacrylate	9.20	41	62757	16.70	ug/l	87
47) n-amyl Acetate	12.07	43	93216m	13.67	ug/l	
48) t-1,3-Dichloropropene	10.38	75	152798	16.32	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	182079	17.65	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	111510	17.37	ug/l	95
51) Ethyl methacrylate	10.43	69	119018	16.19	ug/l	85
52) 1,3-Dichloropropane	10.71	76	175656	17.73	ug/l	96
53) Dibromochloromethane	10.90	129	127460	16.05	ug/l	98
54) 1,2-Dibromoethane	11.01	107	112357	16.67	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	238703	75.96	ug/l #	93
56) Bromoform	12.13	173	77406	14.78	ug/l #	92
58) 4-Methyl-2-Pentanone	9.99	43	349953	89.41	ug/l #	88
59) 2-Hexanone	10.75	43	218803	82.87	ug/l #	90
61) Tetrachloroethene	10.63	164	158349	21.17	ug/l	98
62) Toluene	10.16	91	562404	19.36	ug/l	99
64) Chlorobenzene	11.43	112	351917	18.49	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	140583	19.25	ug/l	98
66) Ethyl Benzene	11.51	91	599138	18.66	ug/l	100
67) m/p-Xylenes	11.62	106	472867	36.32	ug/l	97
68) o-Xylene	11.95	106	234674	18.28	ug/l	89
69) Styrene	11.96	104	337739	17.15	ug/l	96
70) Isopropylbenzene	12.25	105	621537	18.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	115976	17.16	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	107721m	20.26	ug/l	
73) Bromobenzene	12.53	156	148027	17.46	ug/l	83
74) n-propylbenzene	12.59	91	655250	17.80	ug/l	95
75) 2-Chlorotoluene	12.67	91	390792	18.11	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	503155	17.78	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25406	14.45	ug/l	95
78) 4-Chlorotoluene	12.77	91	360105	16.98	ug/l	91
79) tert-butylbenzene	12.99	119	469344	18.03	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	499033	17.64	ug/l	99
81) sec-Butylbenzene	13.17	105	599500	17.61	ug/l	98
82) p-Isopropyltoluene	13.29	119	515800	16.93	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	242269	16.20	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222726	15.82	ug/l	98
85) n-Butylbenzene	13.62	91	368548	16.04	ug/l	94
86) Hexachloroethane	13.87	117	89186	16.98	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	244018	16.85	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15406	15.26	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	78919	15.98	ug/l	99
90) Hexachlorobutadiene	15.01	225	83649	17.92	ug/l	94
91) Naphthalene	15.13	128	146325	15.92	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	88661	13.46	ug/l	92

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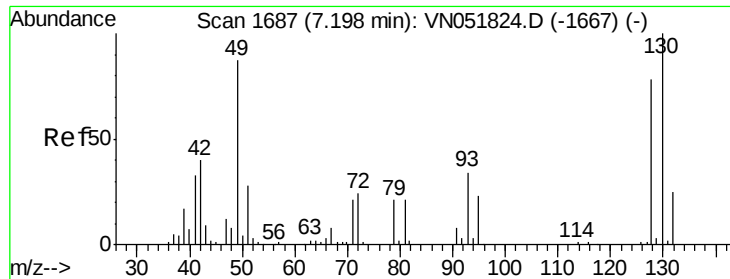
Manual Integrations
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QLast Update : Fri Oct 12 10:23:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

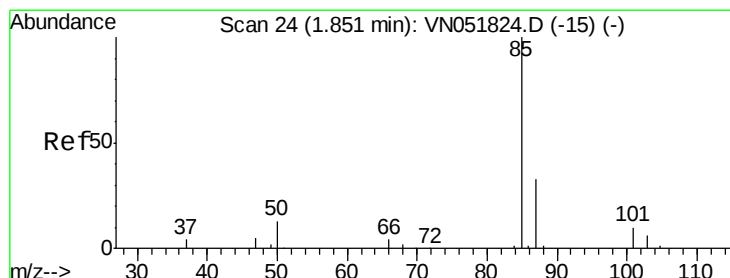
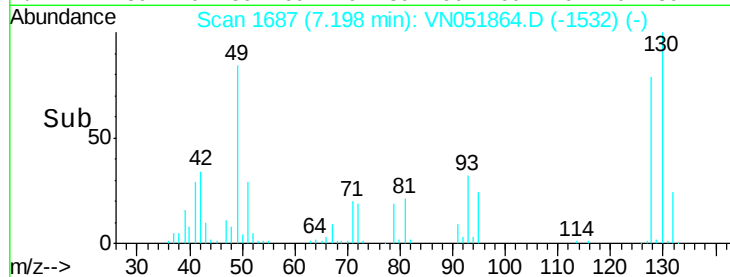
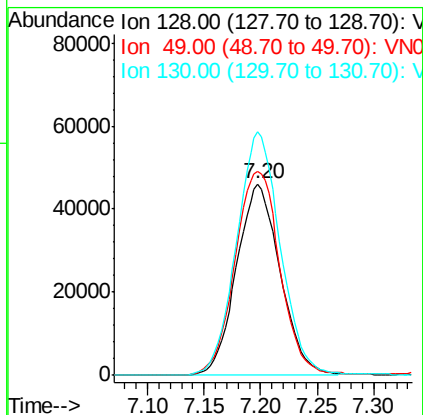
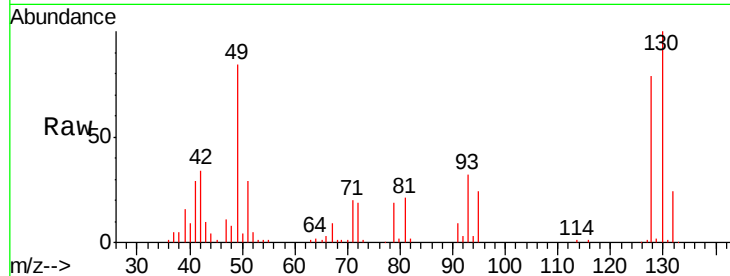
ClientSampleId :

VN1015WBS01

Tgt Ion:	128	Resp:	123862
Ion	Ratio	Lower	Upper
128	100		
49	109.5	0.0	403.3
130	127.2	0.0	326.0

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#2

Dichlorodifluoromethane

Concen: 19.78 ug/l

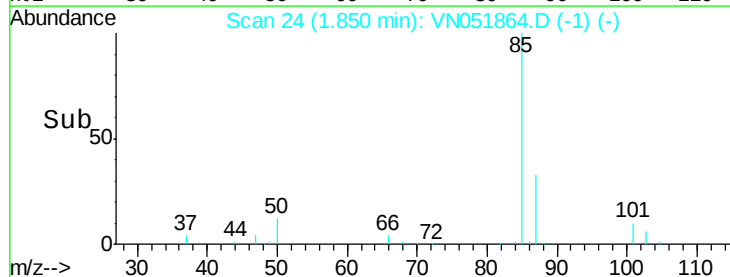
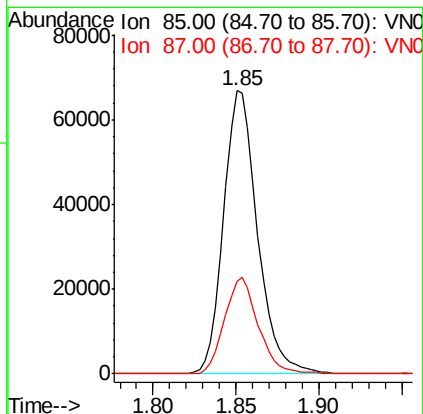
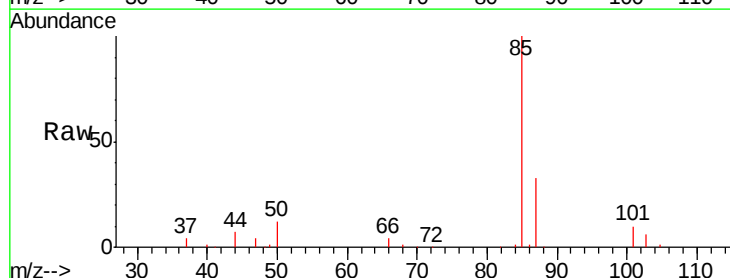
RT: 1.85 min Scan# 24

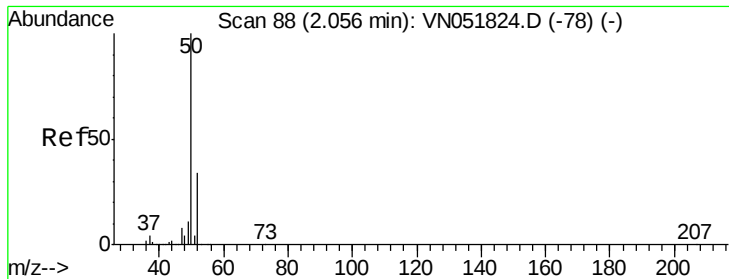
Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Tgt Ion:	85	Resp:	95159
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.8





#3

Chloromethane

Concen: 18.38 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 50 Resp: 93458

Ion Ratio Lower Upper

50 100

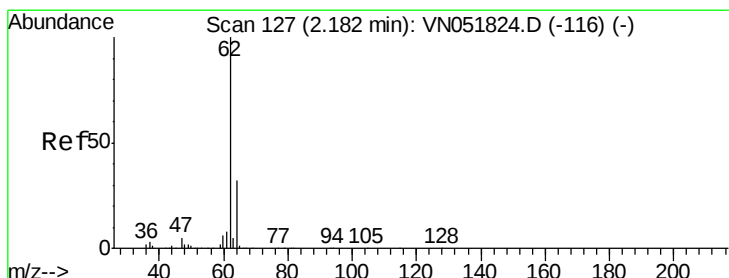
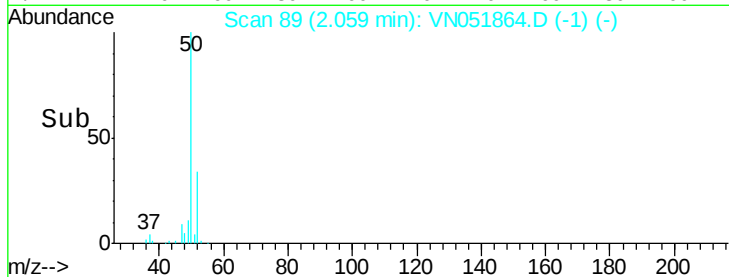
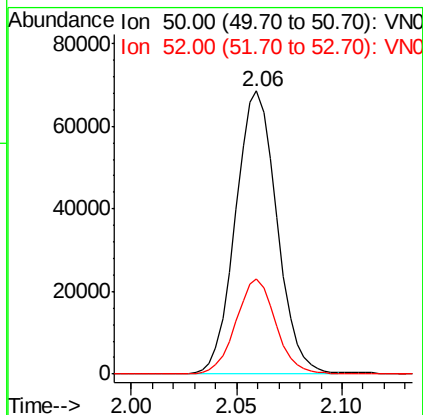
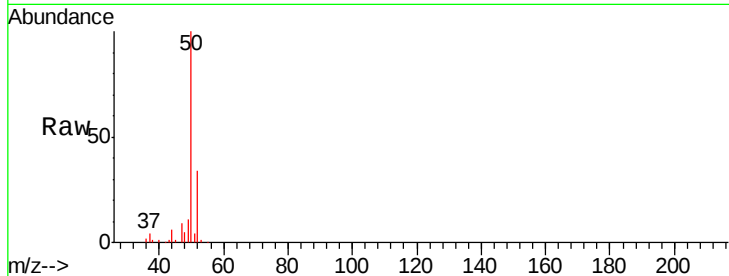
52 33.6 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.65 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051864.D

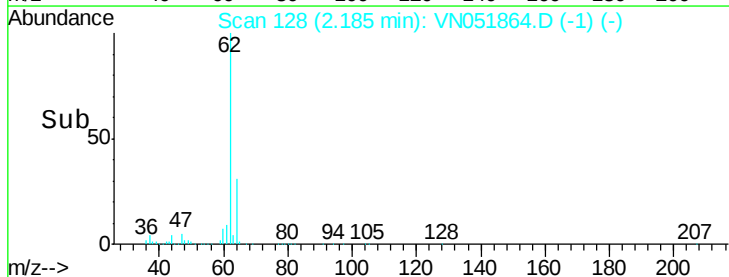
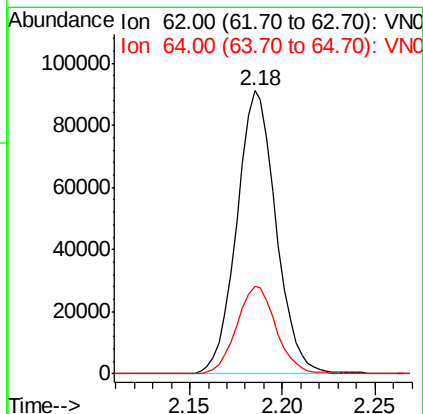
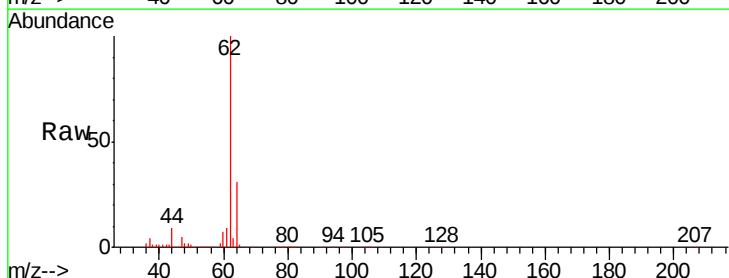
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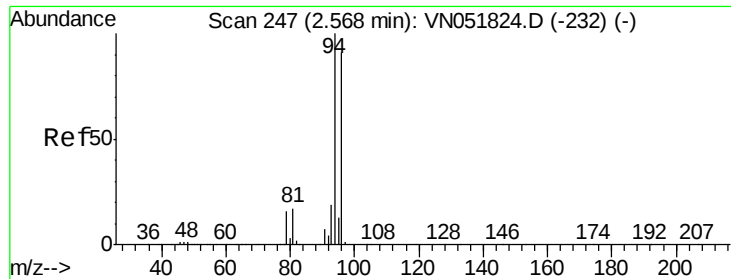
Tgt Ion: 62 Resp: 134019

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 17.70 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 94 Resp: 118752

Ion Ratio Lower Upper

94 100

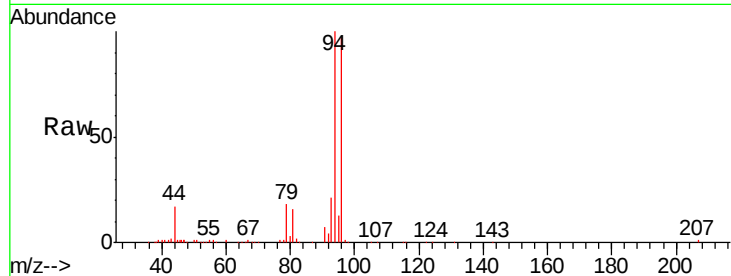
96 96.3 66.4 99.6

Manual Integrations

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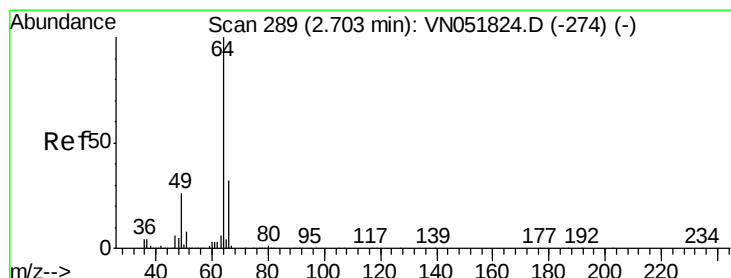
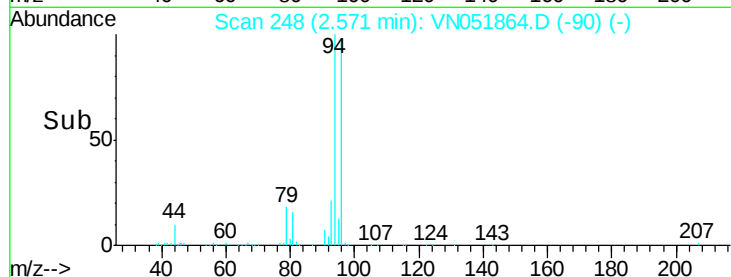
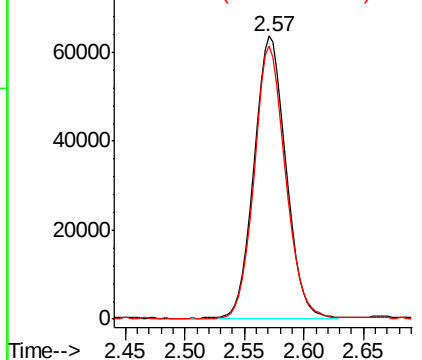
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.69 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051864.D

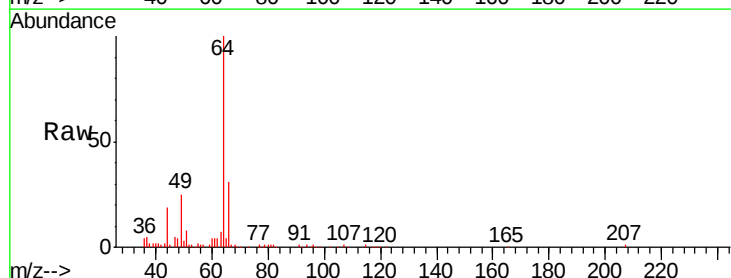
Acq: 15 Oct 2018 10:39

Tgt Ion: 64 Resp: 96845

Ion Ratio Lower Upper

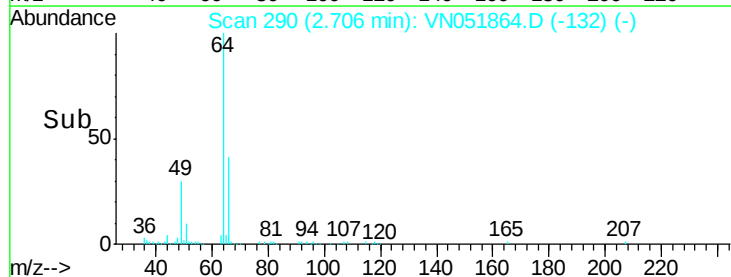
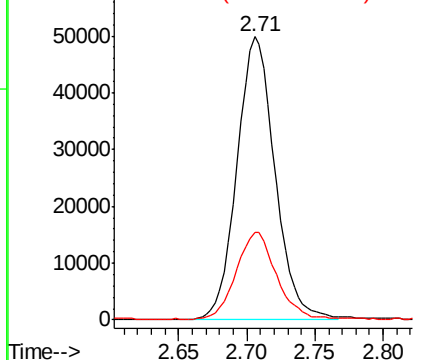
64 100

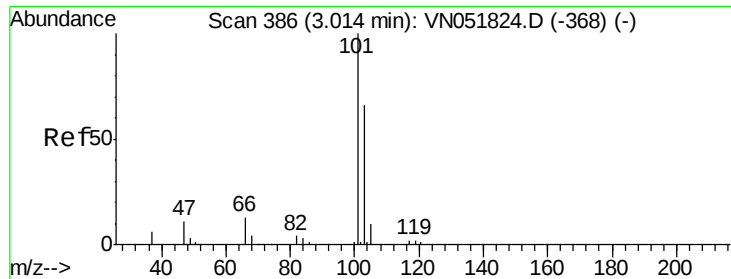
66 31.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

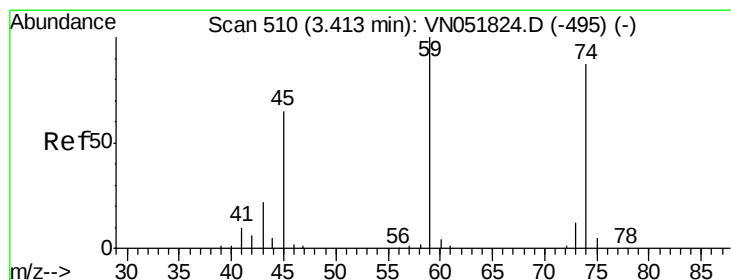
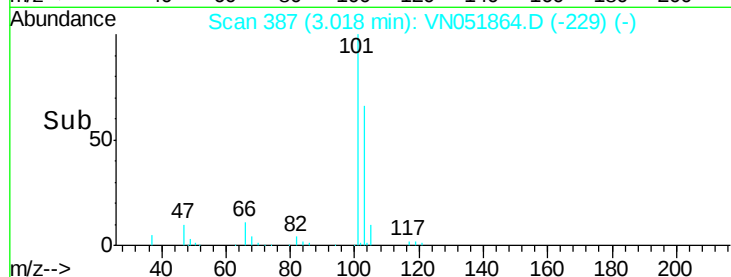
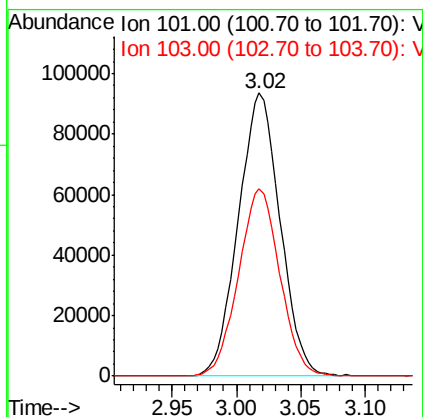
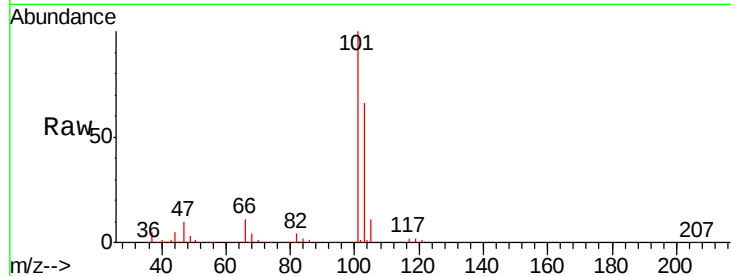
Trichlorofluoromethane
Concen: 19.47 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN051864.D
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VN1015WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	210855		
103	66.1	54.8	82.2	

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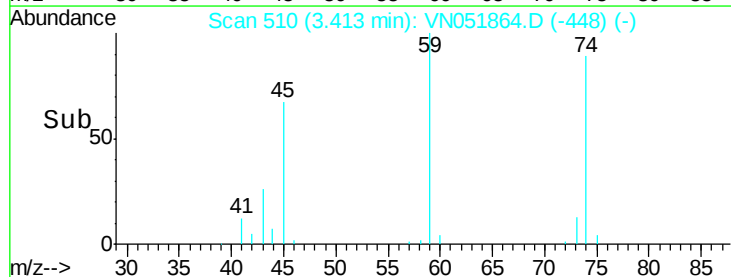
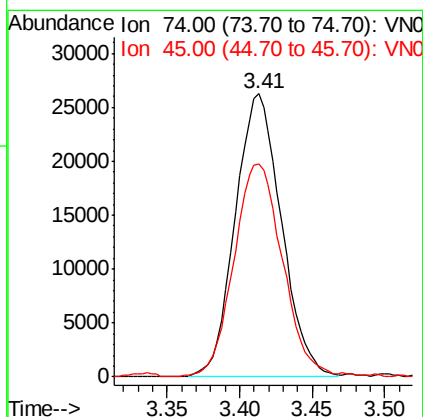
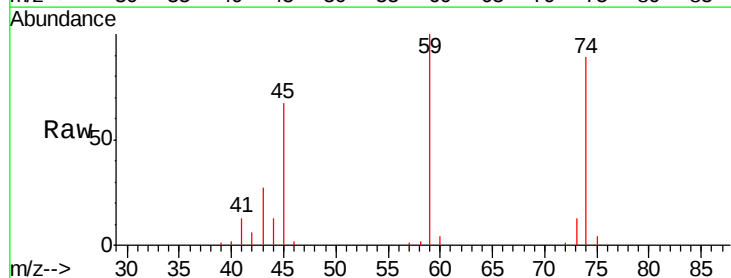
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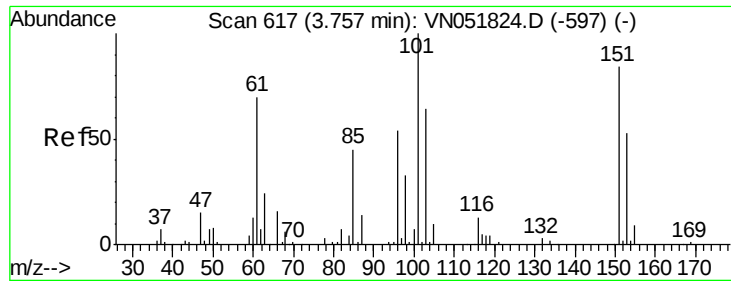


#8

Diethyl Ether
Concen: 18.46 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58178		
45	79.2	20.7	186.5	





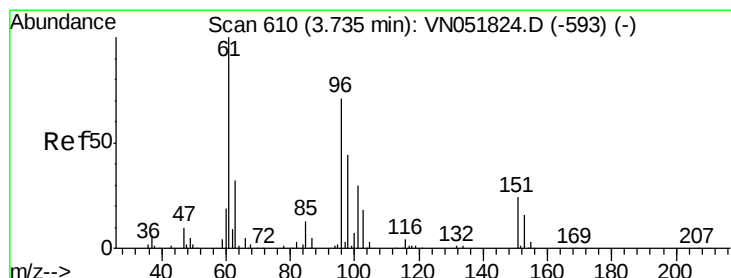
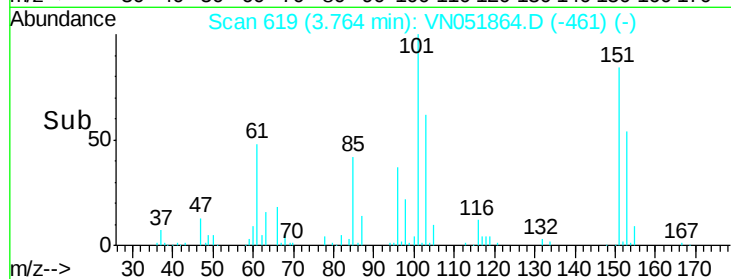
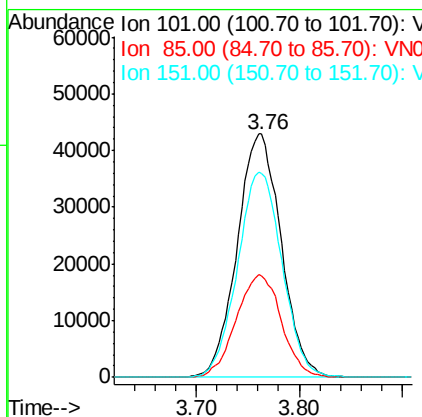
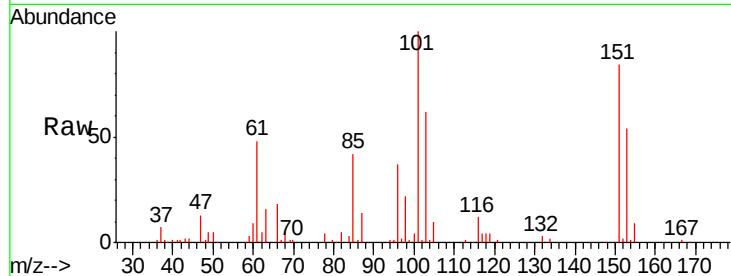
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.63 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.1	0.0	46.0
151	85.5	0.0	82.2

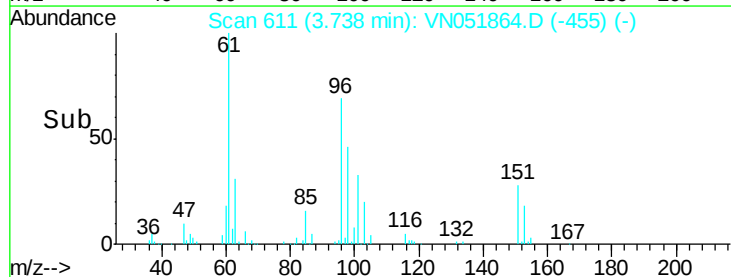
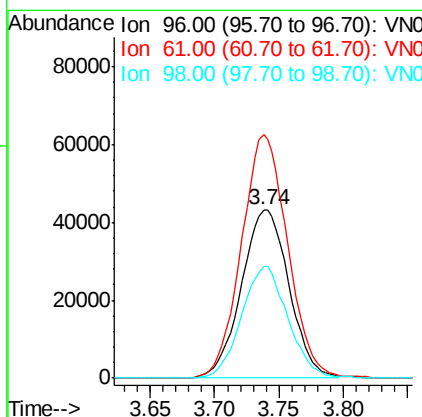
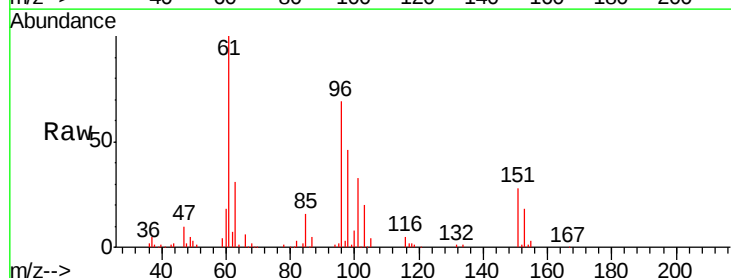
Manual Integrations
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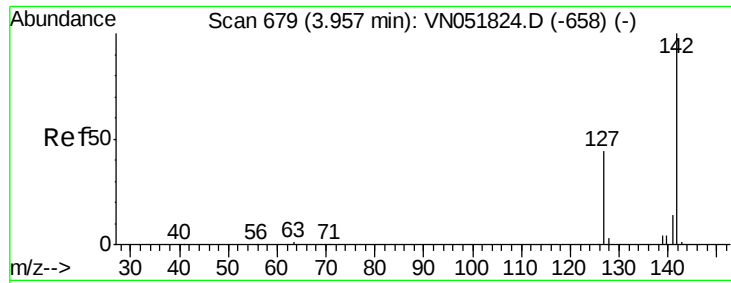
MMDadoda
 10/16/2018 3:56:10 PM



#10
 1,1-Dichloroethene
 Concen: 19.47 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	144.4	133.0	199.6
98	66.2	52.6	78.8





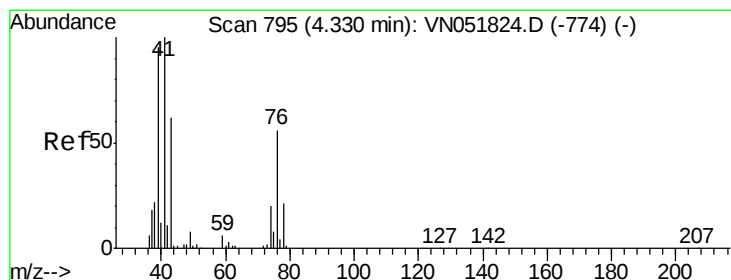
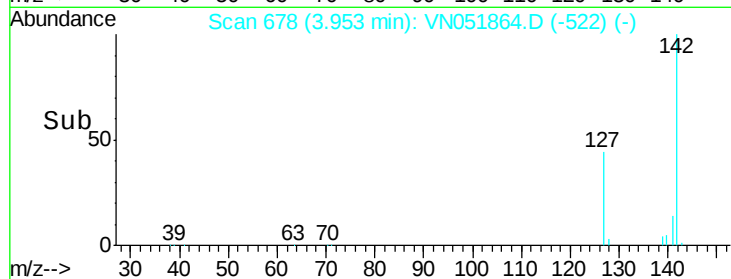
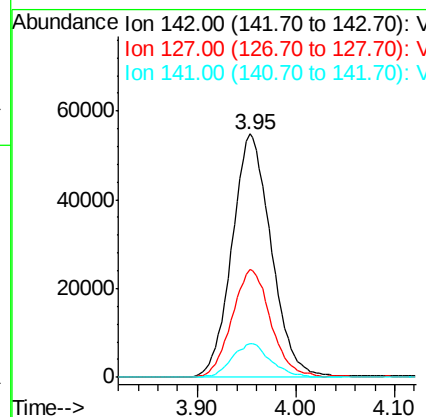
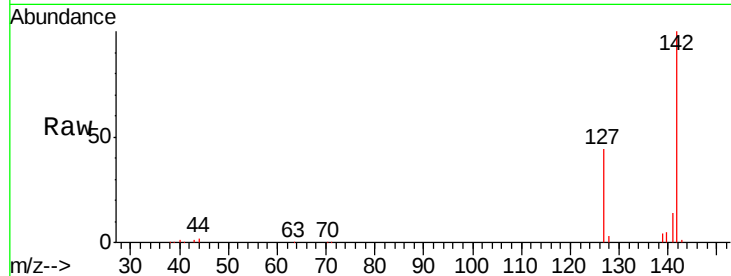
#11
Methyl Iodide
Concen: 18.28 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	19.7	59.0
141	14.0	6.3	18.9

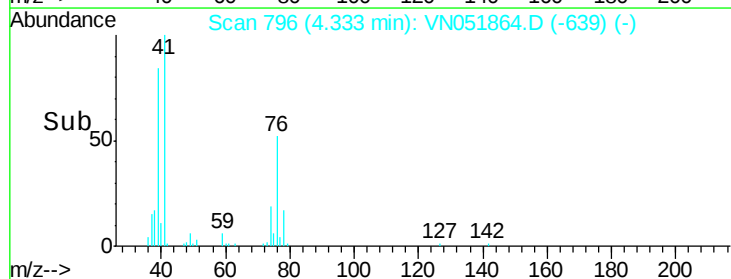
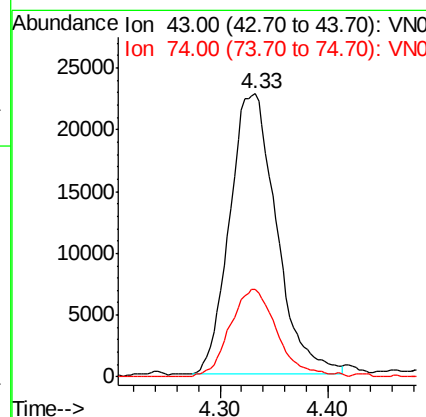
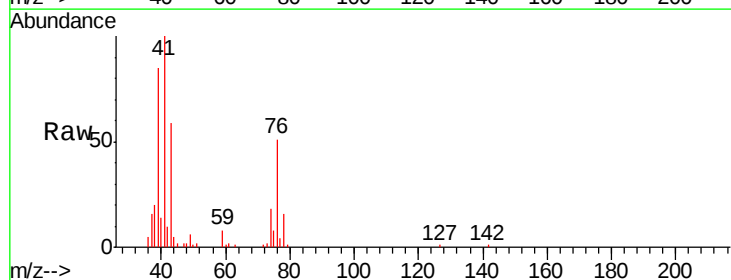
Manual Integrations
APPROVED

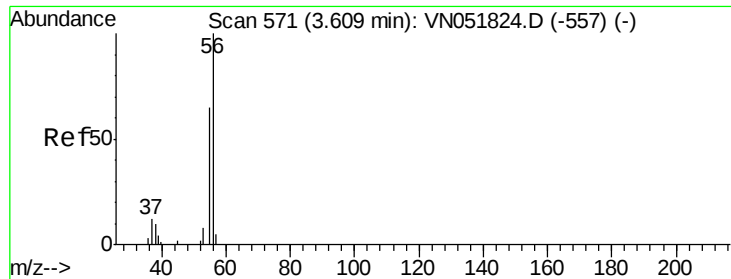
MMDadoda
10/16/2018 3:56:10 PM



#12
Methyl Acetate
Concen: 19.43 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.9	21.8	32.6





#13

Acrolein

Concen: 61.96 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 56 Resp: 14457

Ion Ratio Lower Upper

56 100

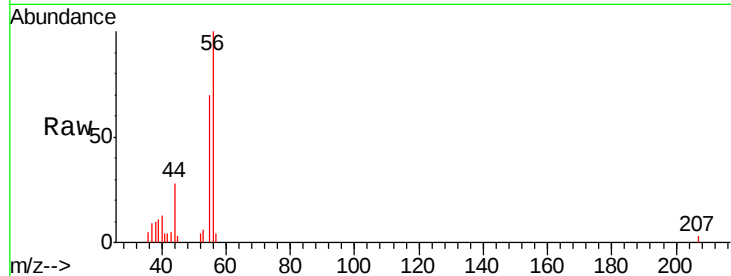
55 72.6 64.0 96.0

Manual Integrations

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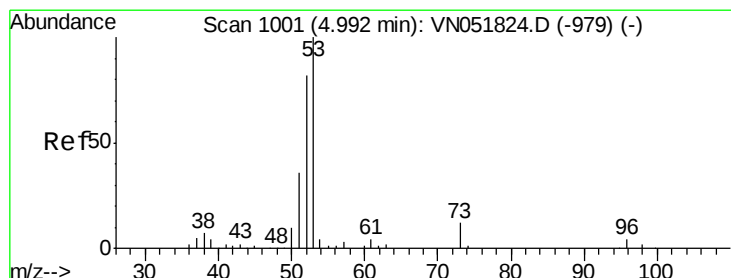
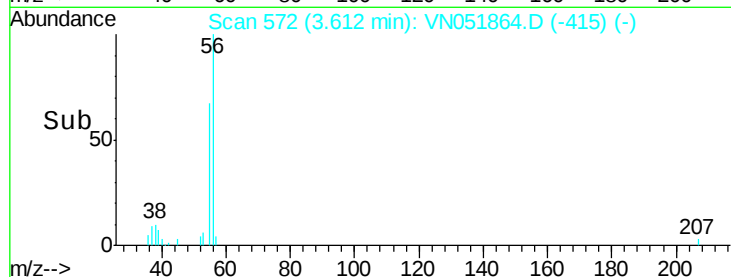
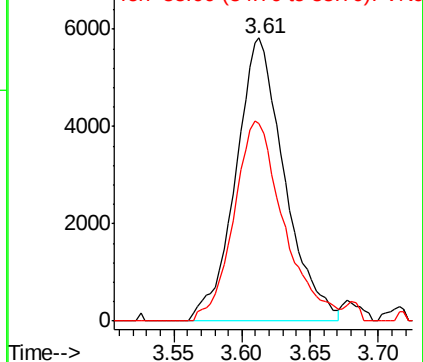
MMDadoda

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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: 83.60 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

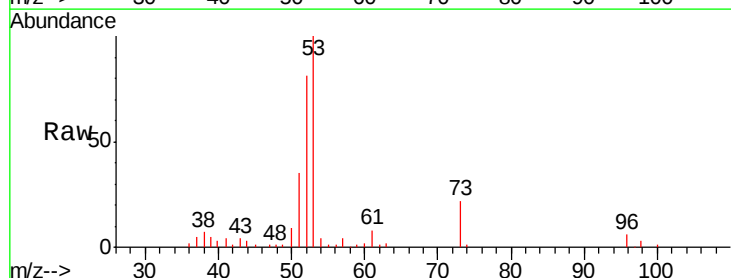
Tgt Ion: 53 Resp: 132315

Ion Ratio Lower Upper

53 100

52 81.0 18.3 54.8#

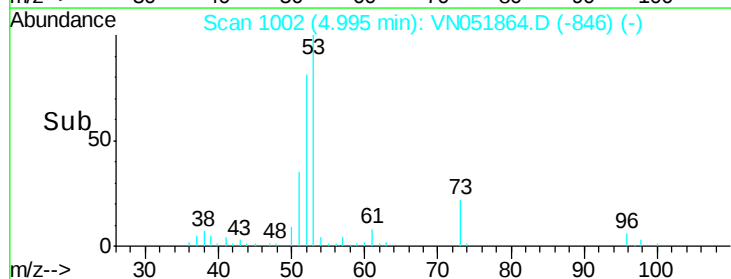
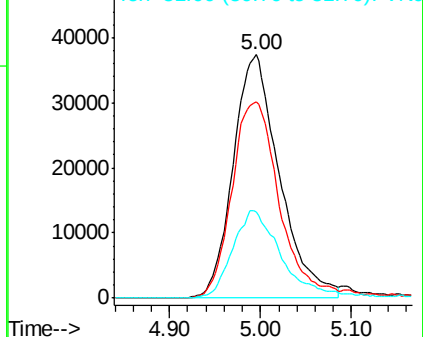
51 37.5 19.7 59.1

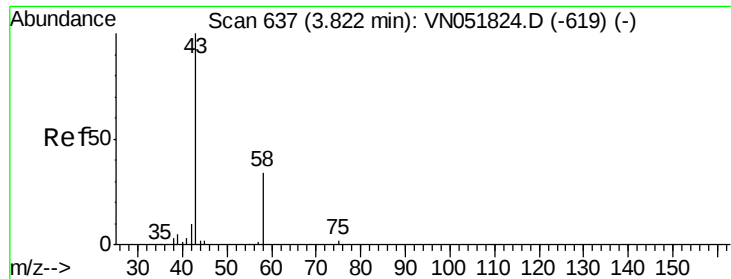


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 92.24 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 58 Resp: 36090

Ion Ratio Lower Upper

58 100

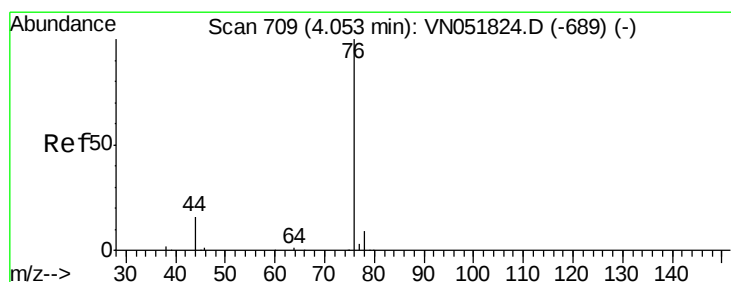
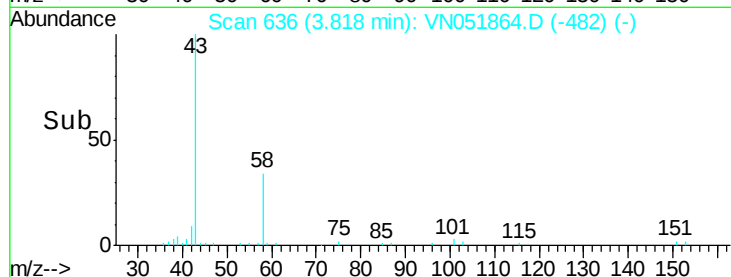
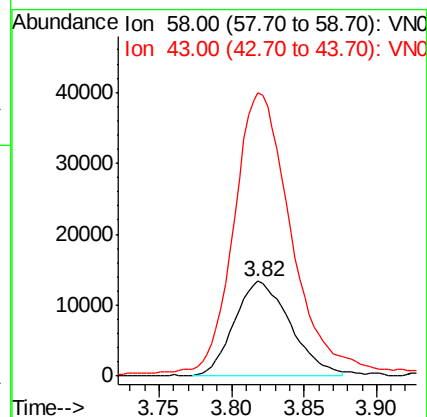
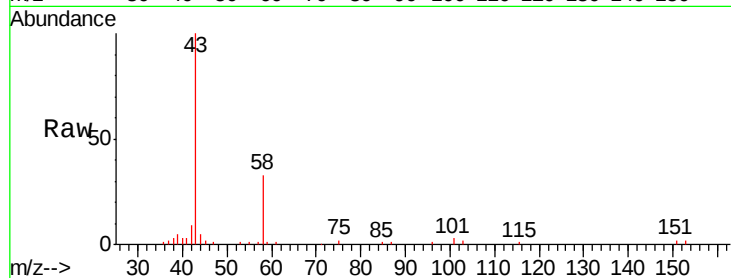
43 291.3 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.12 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051864.D

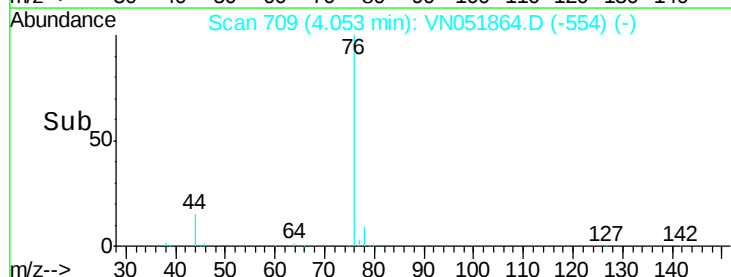
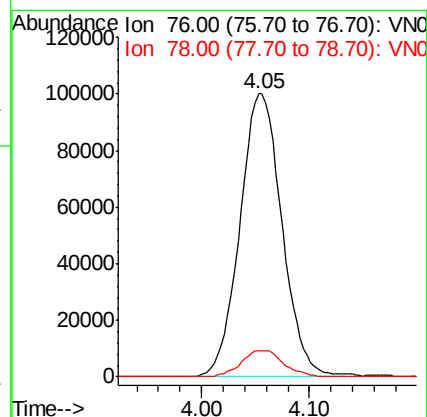
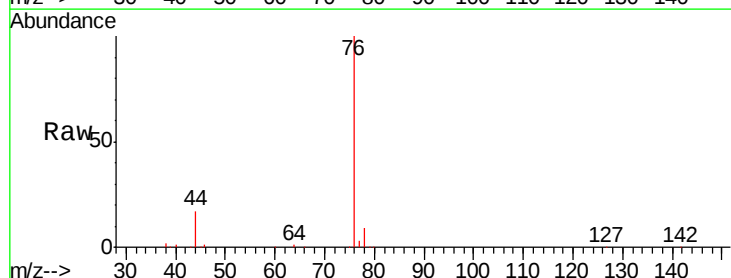
Acq: 15 Oct 2018 10:39

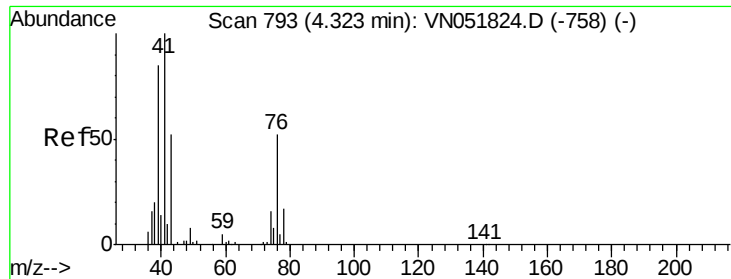
Tgt Ion: 76 Resp: 271359

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1





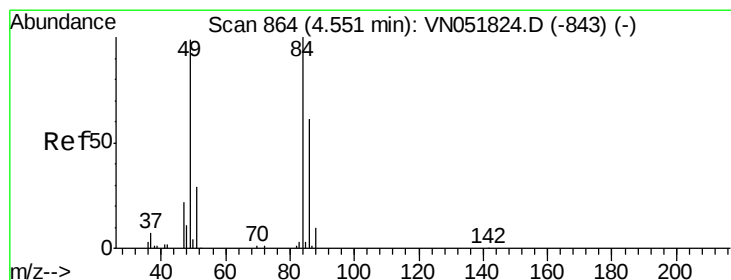
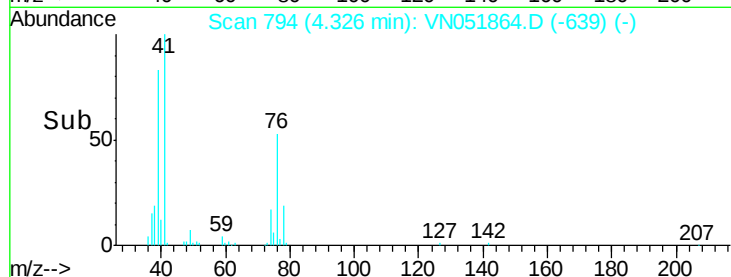
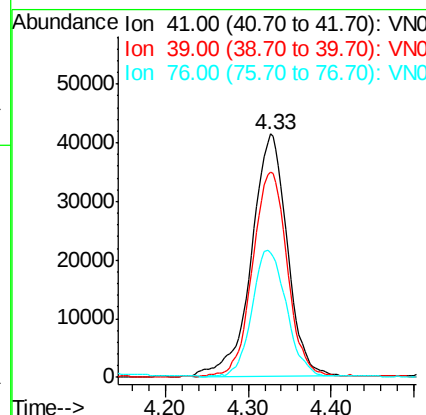
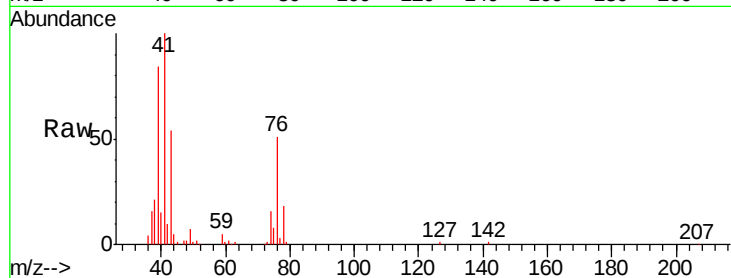
#17
 Allyl chloride
 Concen: 18.42 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	84.6	32.6	97.8
76	50.9	20.2	60.5

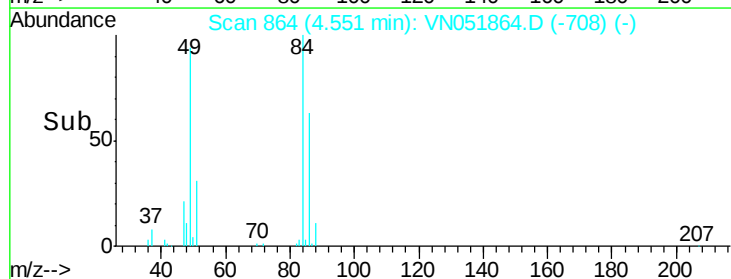
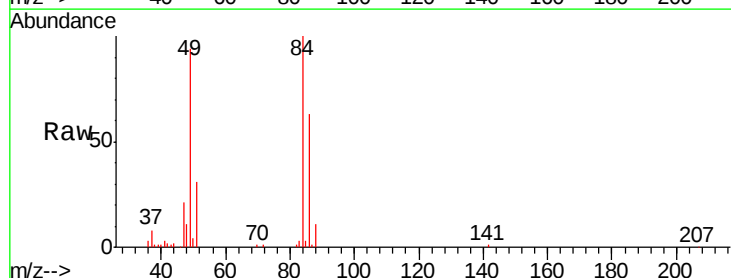
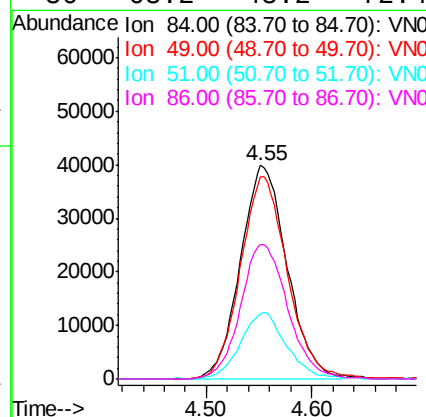
Manual Integrations
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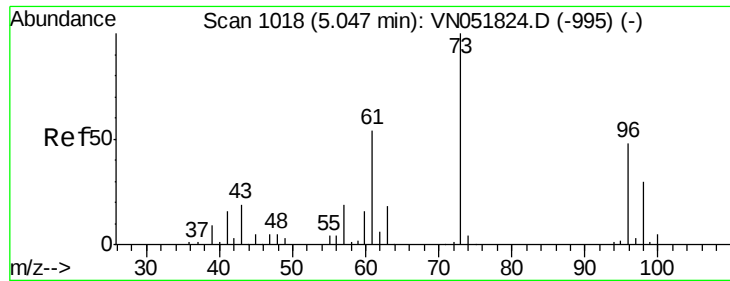
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#18
 Methylene Chloride
 Concen: 19.19 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.1	91.6	137.4
51	30.6	29.8	44.6
86	63.2	48.2	72.4





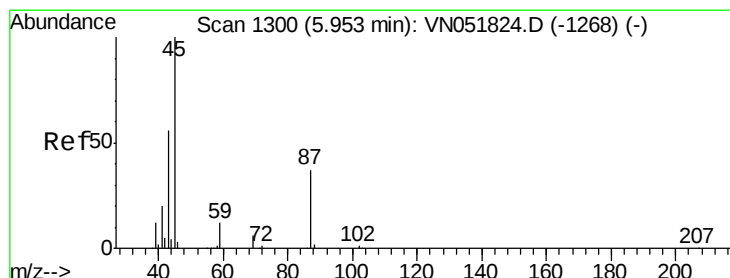
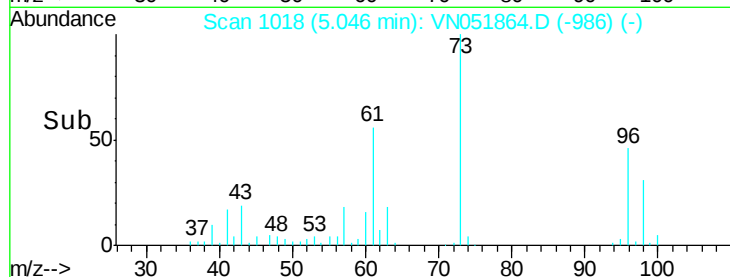
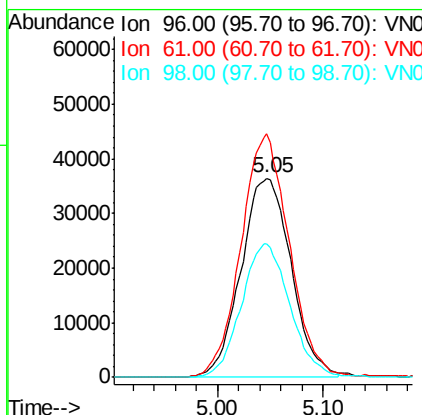
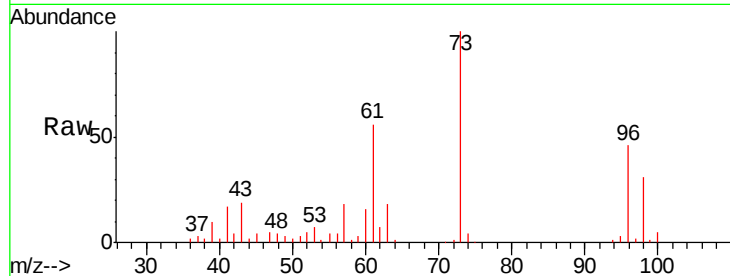
#19
trans-1,2-Dichloroethene
Concen: 18.51 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.1	112.3	168.5
98	67.3	47.1	70.7

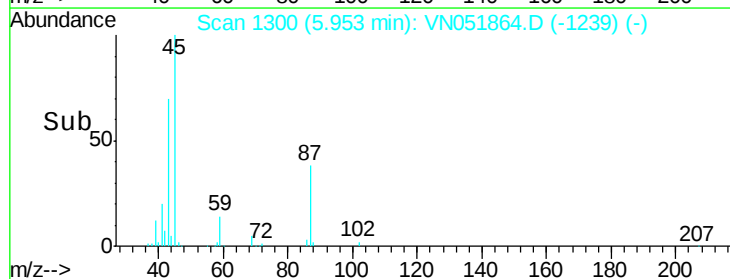
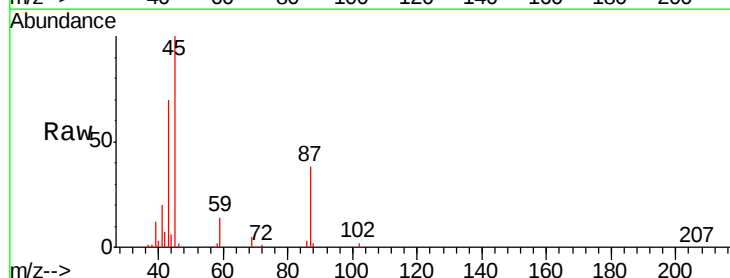
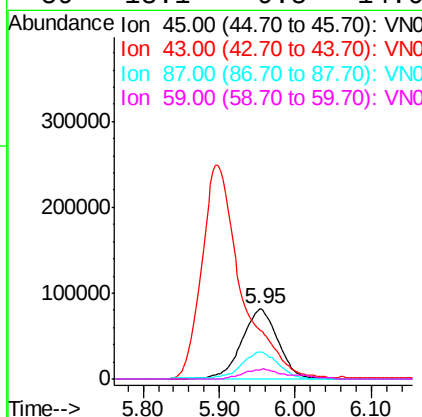
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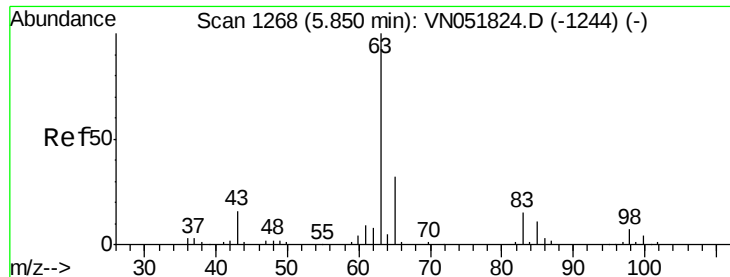
MMDadoda
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#20
Diisopropyl ether
Concen: 17.83 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	62.1	93.1
87	38.3	19.9	29.9
59	13.1	9.8	14.6





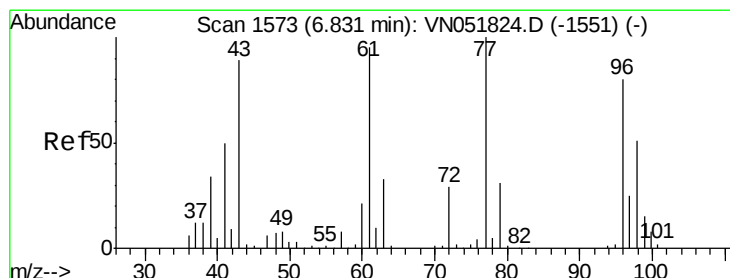
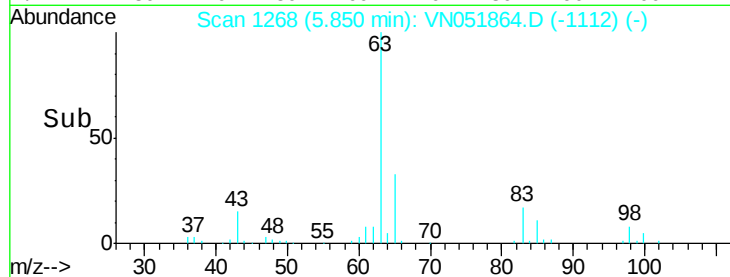
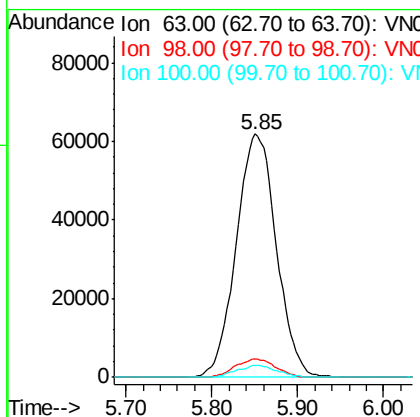
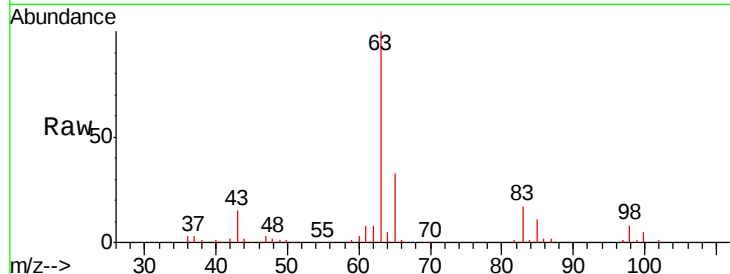
#21
 1,1-Dichloroethane
 Concen: 19.06 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	7.5	4.1	12.3
100	5.0	1.6	4.7

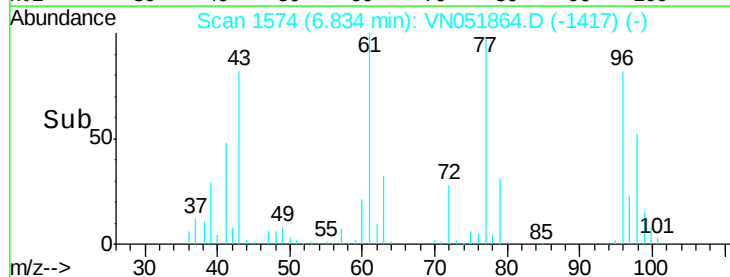
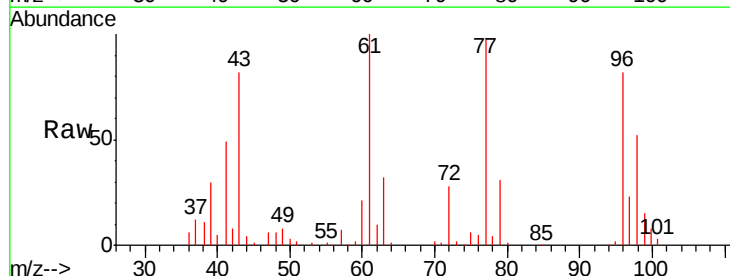
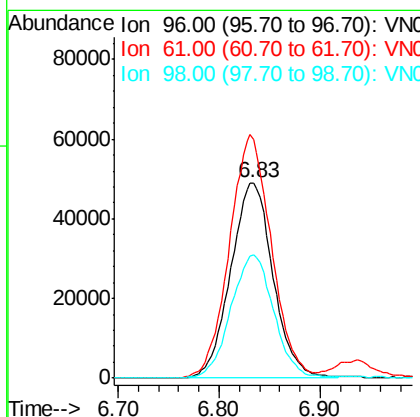
Manual Integrations
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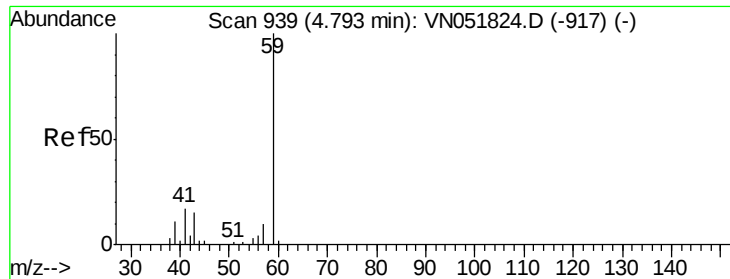
MMDadoda
 10/16/2018 3:56:10 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.65 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	123.7	124.5	186.7
98	64.0	51.9	77.9





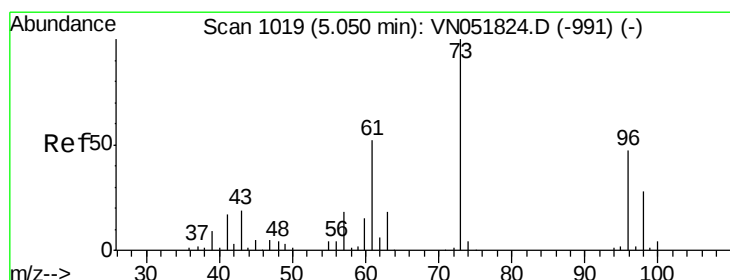
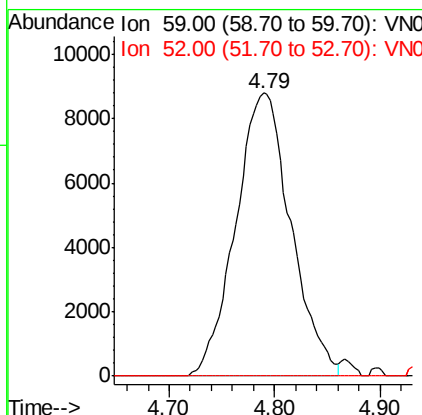
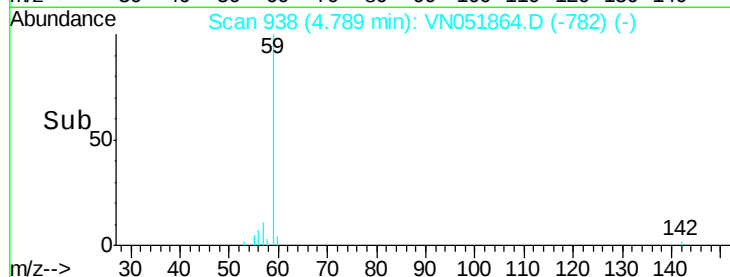
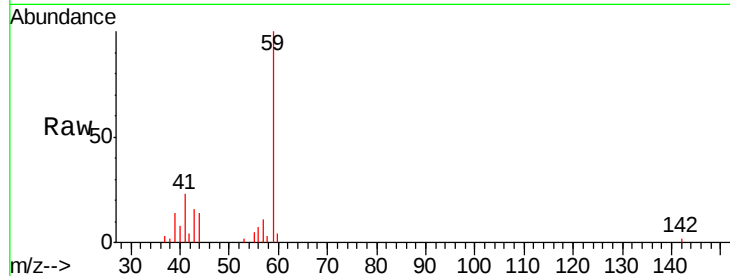
#23
tert-Butyl Alcohol
Concen: 76.84 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion: 59 Resp: 32030
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

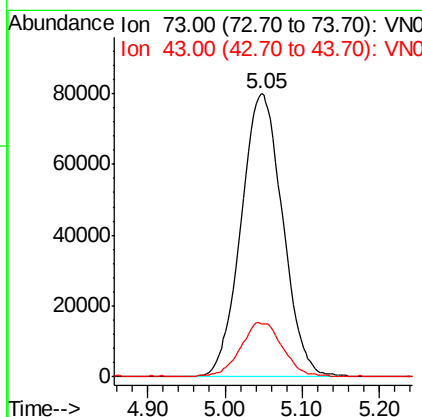
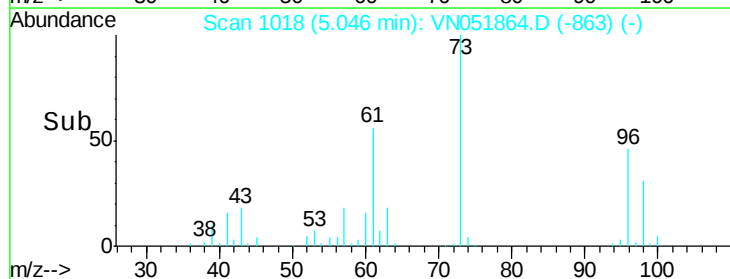
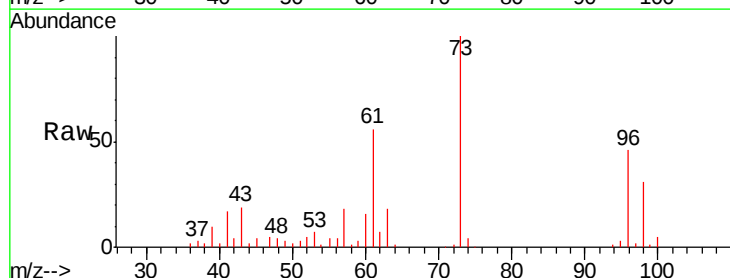
Manual Integrations
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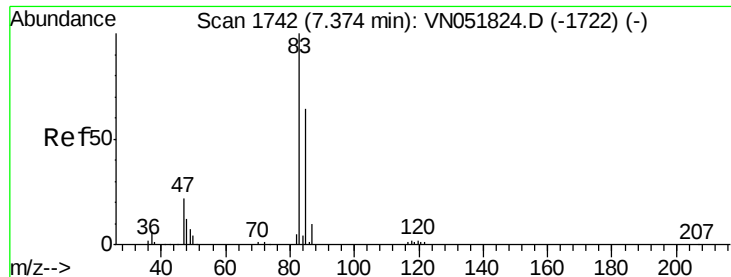
MMDadoda
10/16/2018 3:56:10 PM



#24
Methyl tert-Butyl Ether
Concen: 18.21 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 73 Resp: 299210
Ion Ratio Lower Upper
73 100
43 9.6 5.4 8.0#





#25

Chloroform

Concen: 18.64 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 83 Resp: 233044

Ion Ratio Lower Upper

83 100

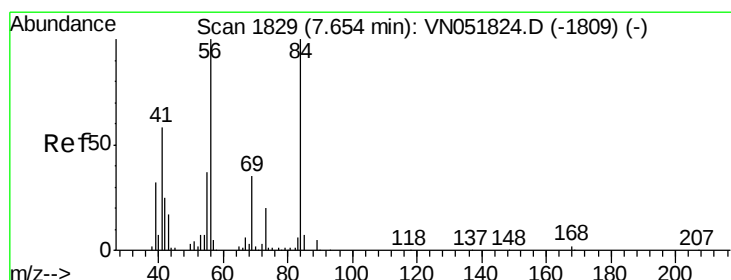
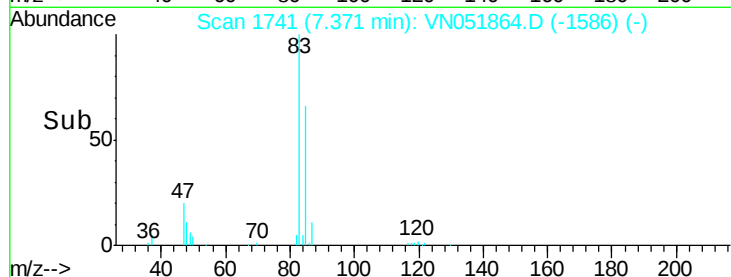
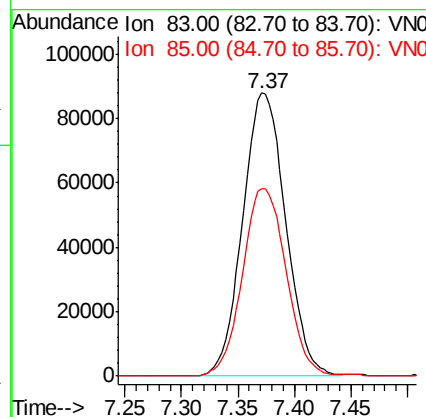
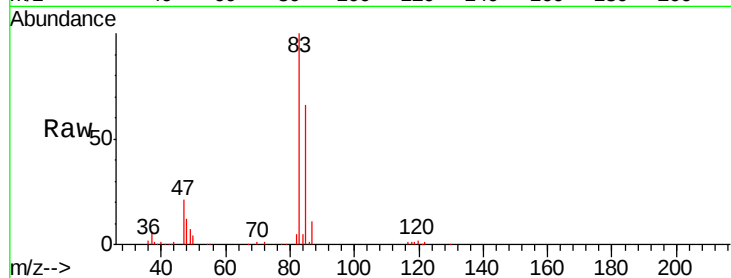
85 66.4 54.6 82.0

Manual Integrations

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#26

Cyclohexane

Concen: 18.04 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

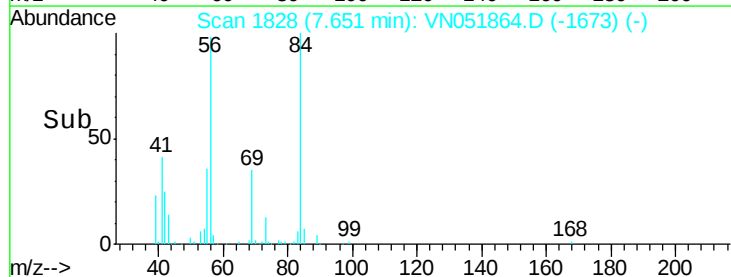
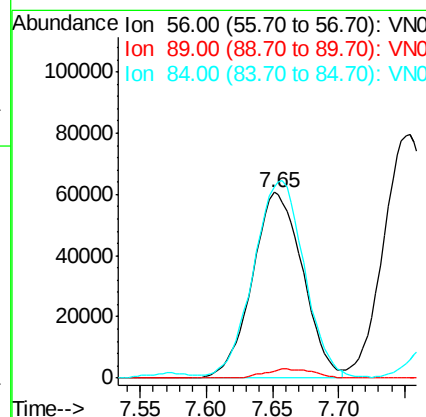
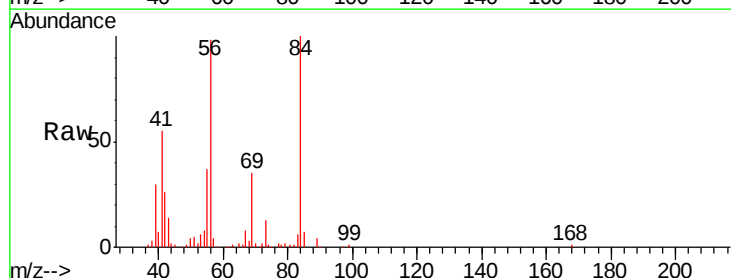
Tgt Ion: 56 Resp: 161132

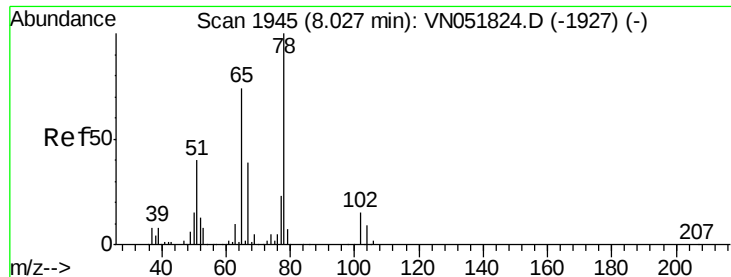
Ion Ratio Lower Upper

56 100

89 4.7 1.5 2.3#

84 107.9 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 18.04 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 65 Resp: 221844

Ion Ratio Lower Upper

65 100

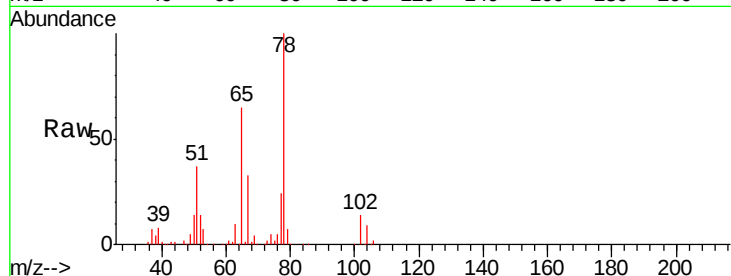
67 52.9 41.8 62.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN051864.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN051864.D (-1790) (-)

8.03

100000

80000

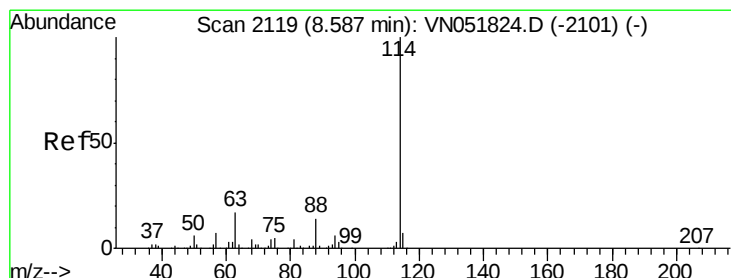
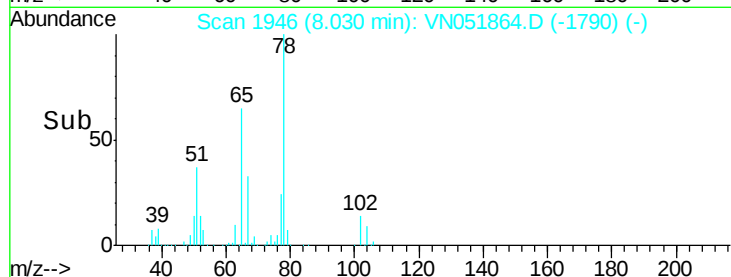
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

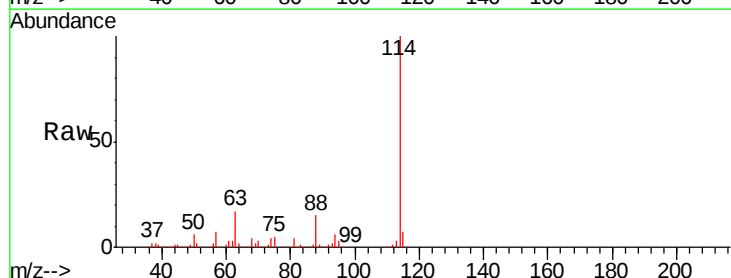
Tgt Ion: 114 Resp: 697287

Ion Ratio Lower Upper

114 100

63 16.5 16.2 24.2

88 14.1 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051864.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051864.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051864.D (-1963) (-)

8.59

400000

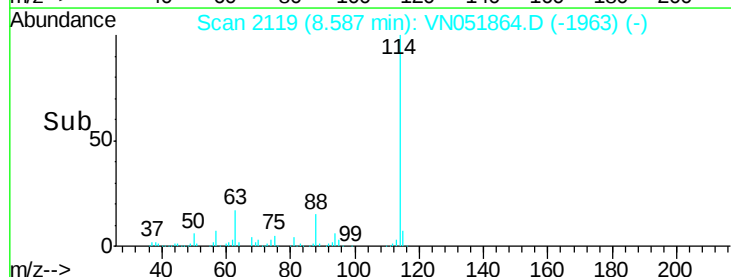
300000

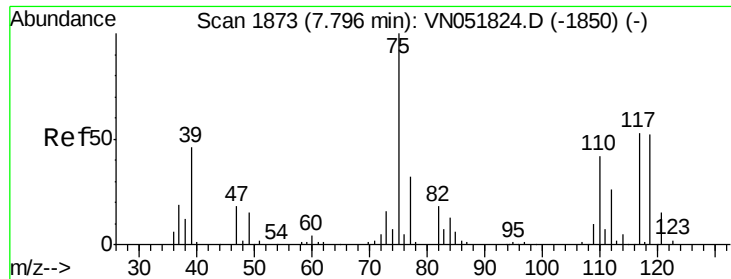
200000

100000

0

Time-->





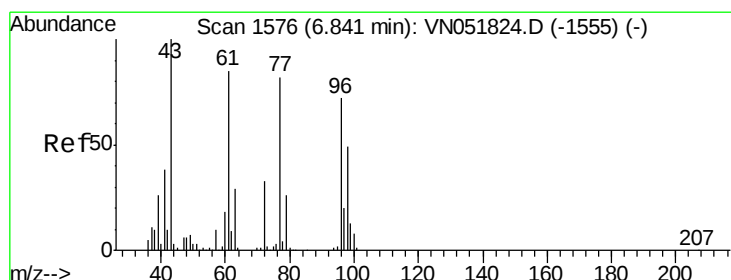
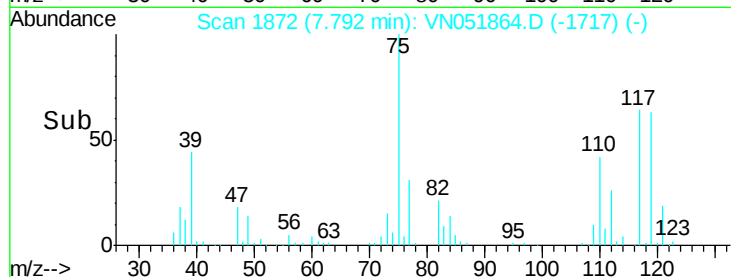
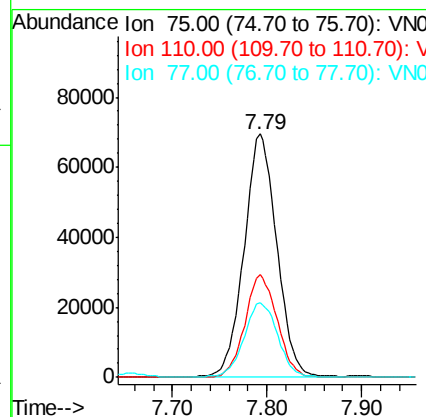
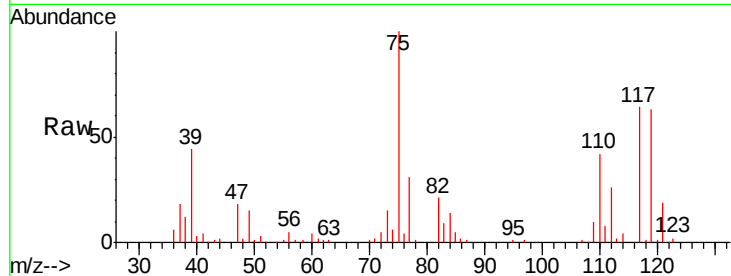
#29
 1,1-Dichloropropene
 Concen: 18.63 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	0.0	70.8
77	31.4	0.0	61.6

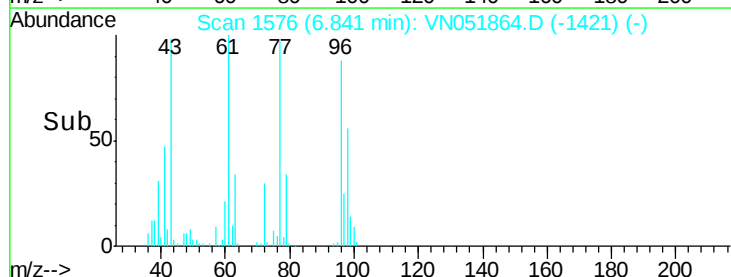
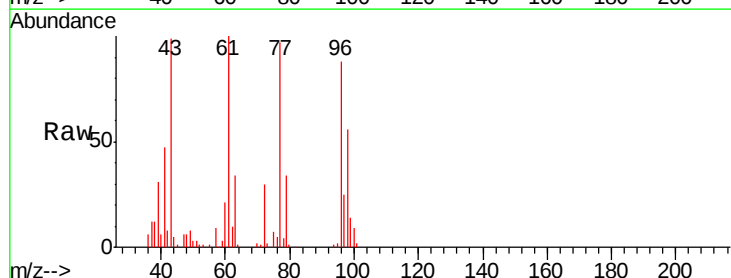
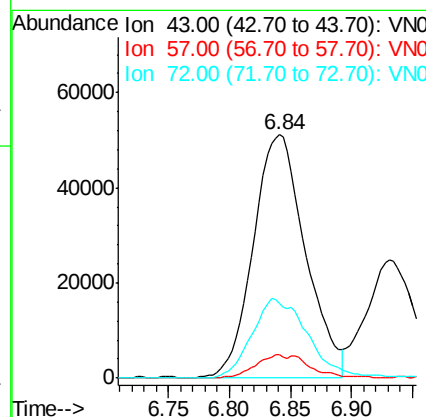
Manual Integrations
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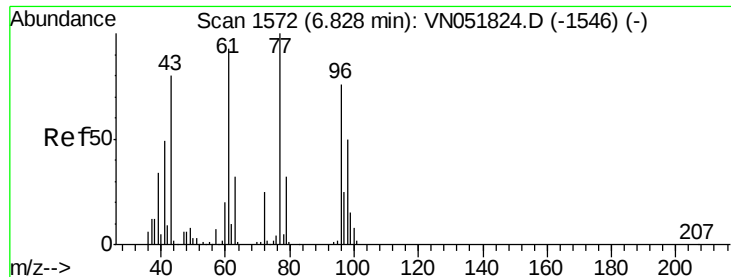
MMDadoda
 10/16/2018 3:56:10 PM



#30
 2-Butanone
 Concen: 80.27 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	5.6	4.5	6.7
72	21.3	21.5	32.3#





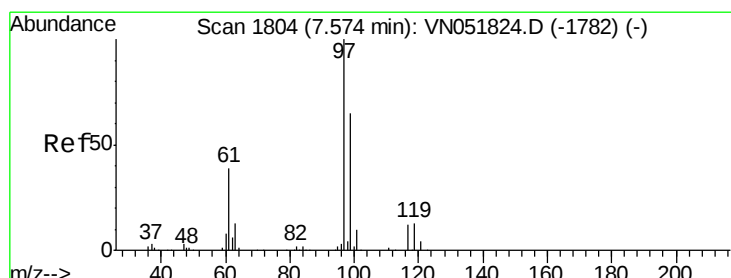
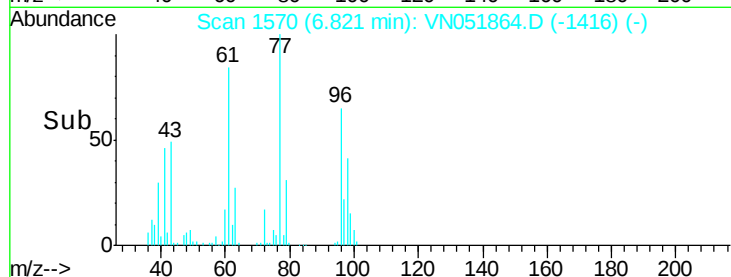
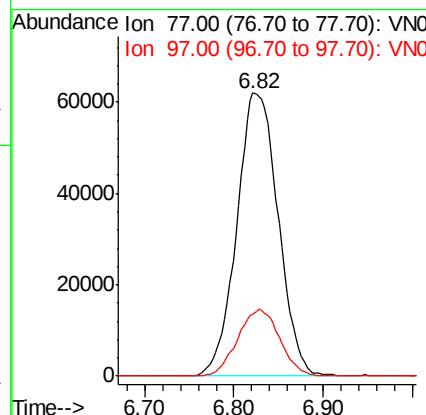
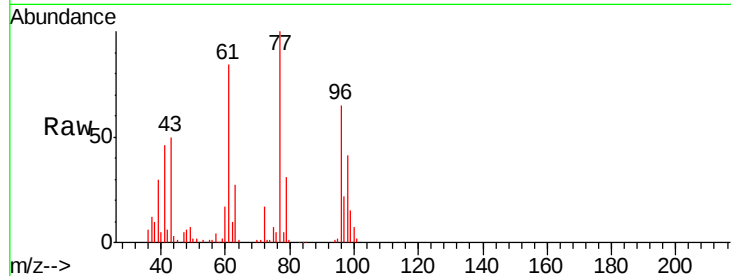
#31
 2,2-Dichloropropane
 Concen: 18.86 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

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

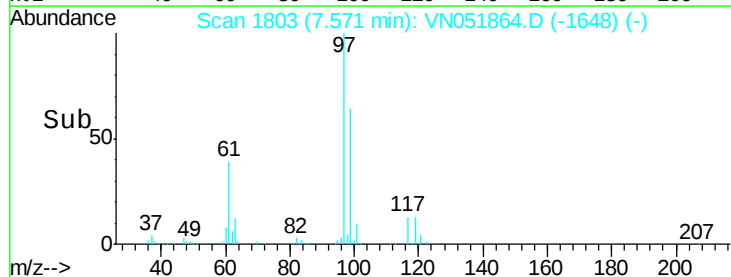
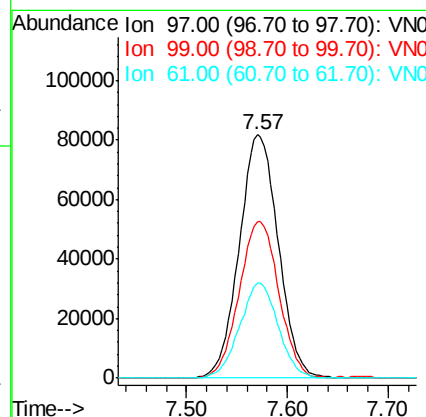
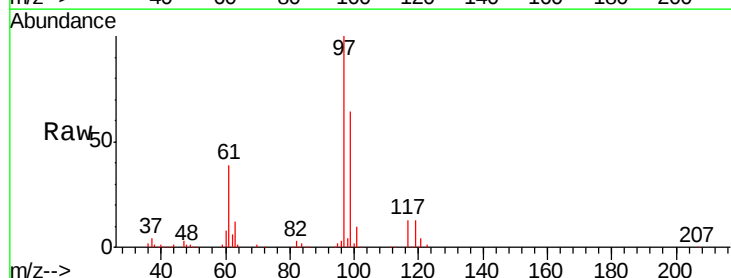
Manual Integrations
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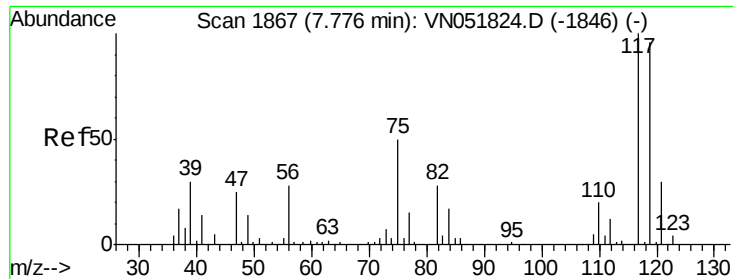
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 18.44 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	38.5	37.4	56.0





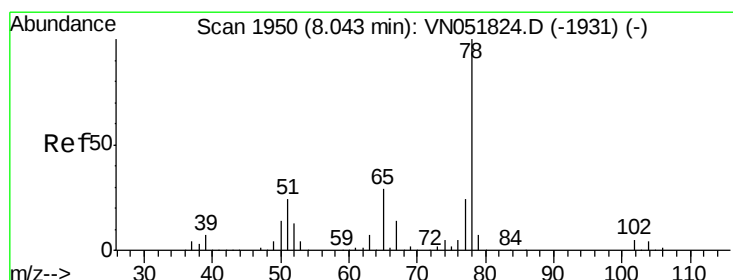
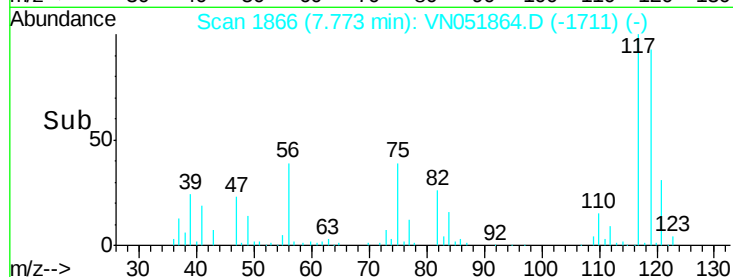
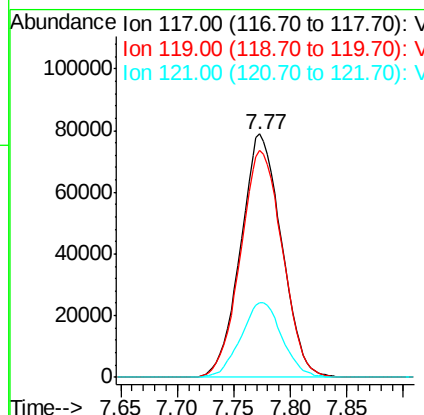
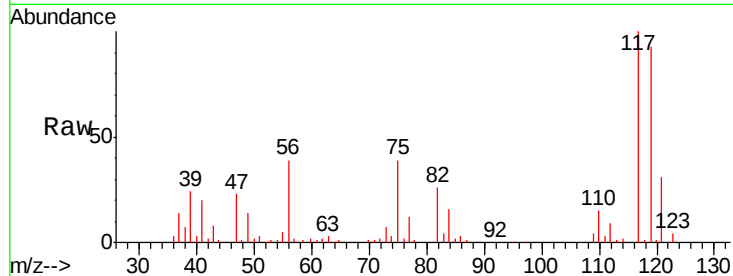
#33
Carbon Tetrachloride
Concen: 18.39 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion: 117 Resp: 198252
Ion Ratio Lower Upper
117 100
119 93.2 85.1 127.7
121 30.7 24.2 36.2

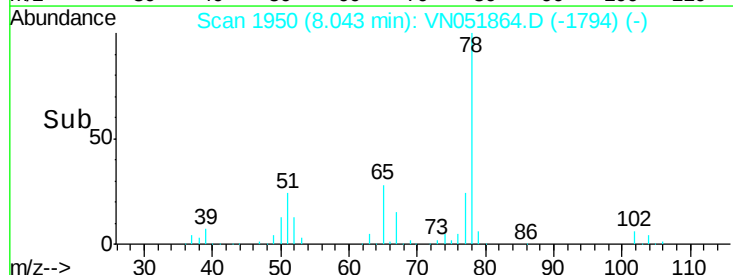
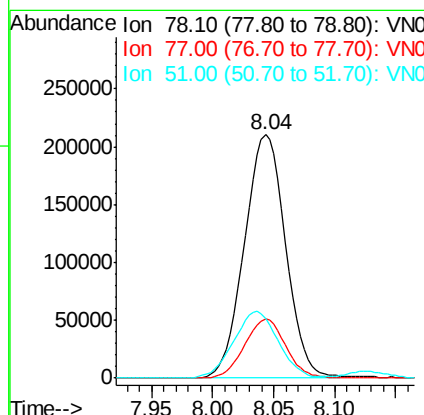
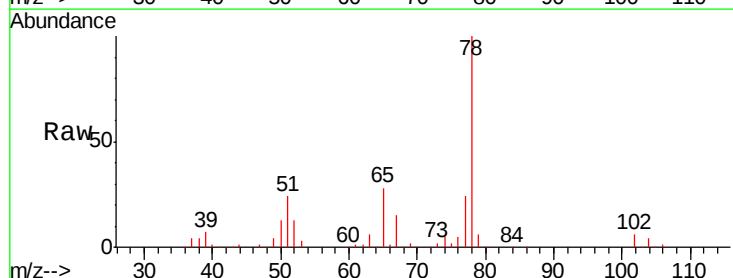
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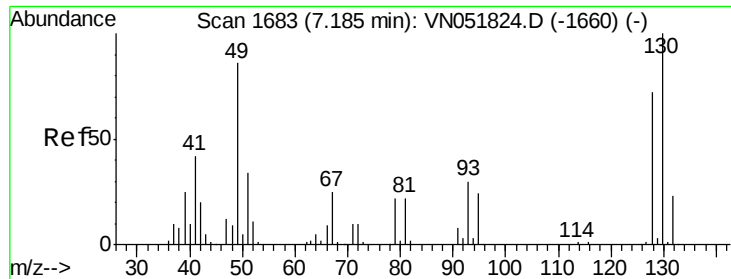
MMDadoda
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#34
Benzene
Concen: 18.54 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 78 Resp: 492961
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2
51 24.2 46.2 69.4#





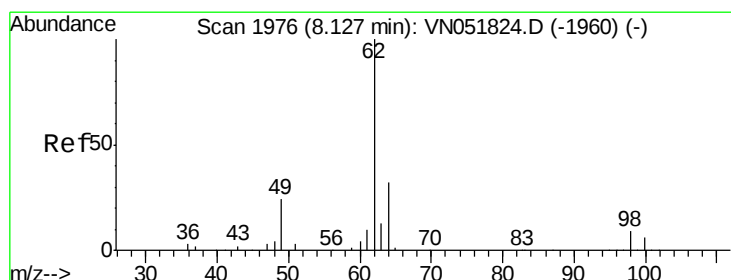
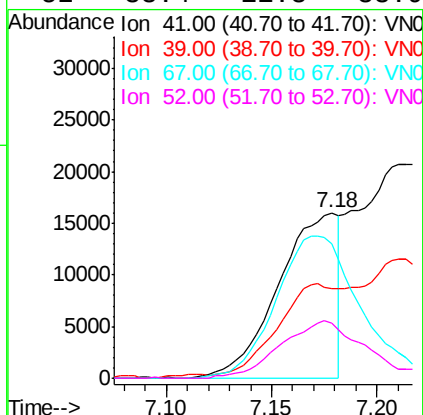
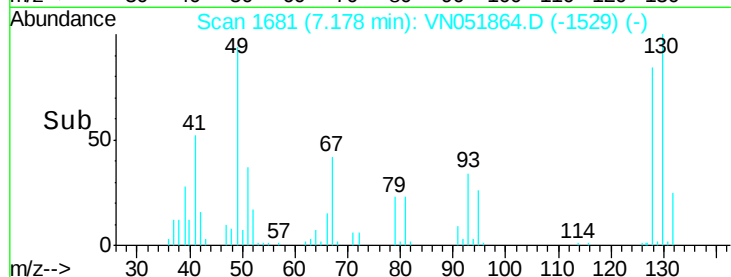
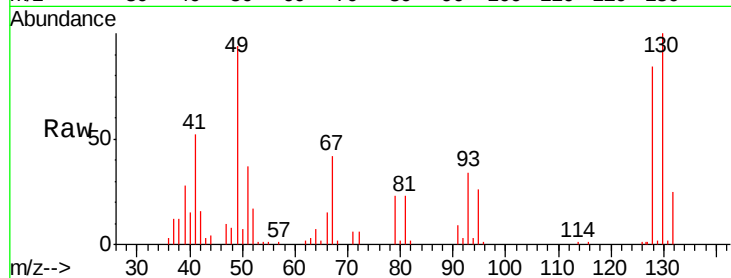
#35
Methacrylonitrile
Concen: 12.80 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	22.6	67.7	
67	81.4	28.9	86.8	
52	33.4	11.3	33.9	

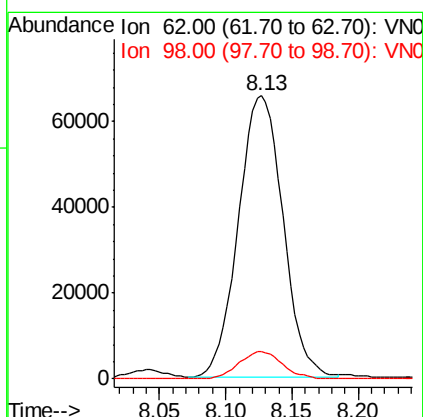
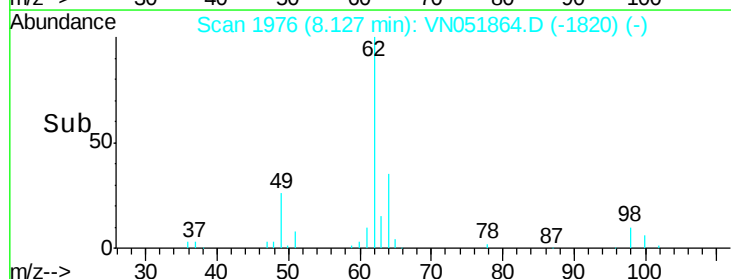
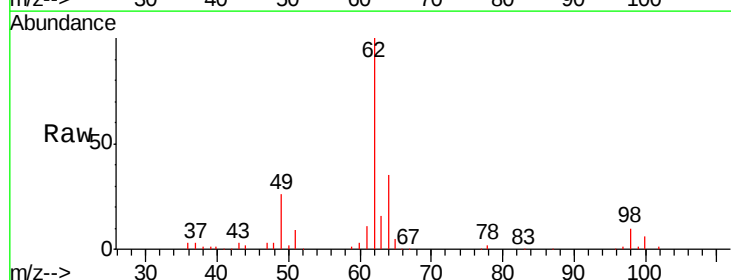
Manual Integrations
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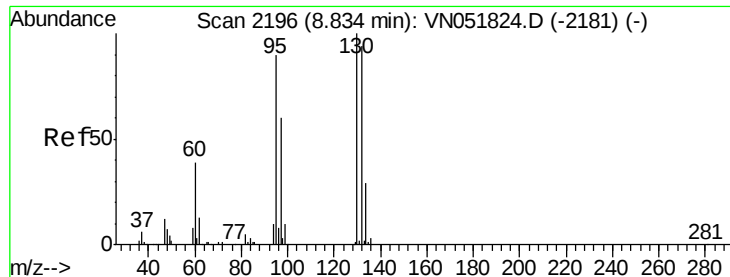
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.07 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	6.9	10.3	





#37

Trichloroethene

Concen: 18.16 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 130 Resp: 149871

Ion Ratio Lower Upper

130 100

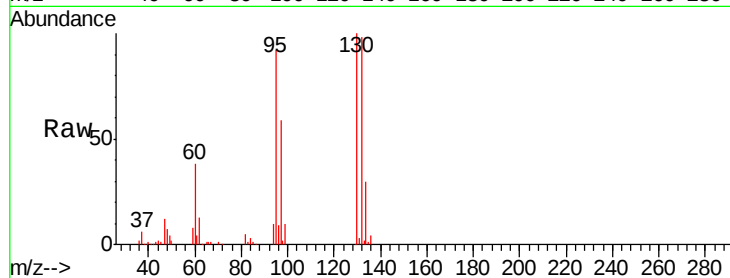
95 92.1 76.4 114.6

Manual Integrations

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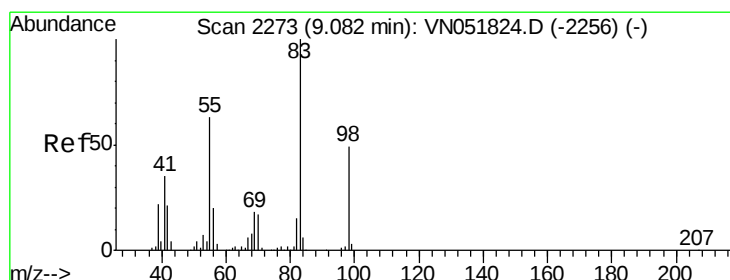
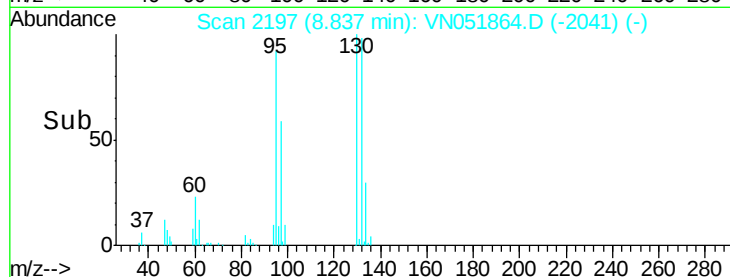
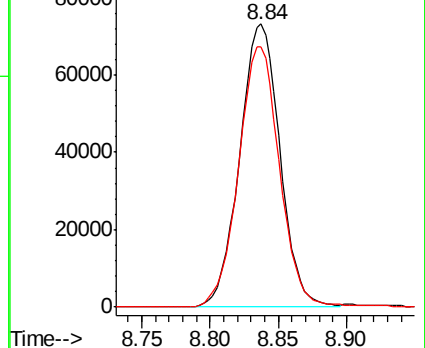
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.33 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

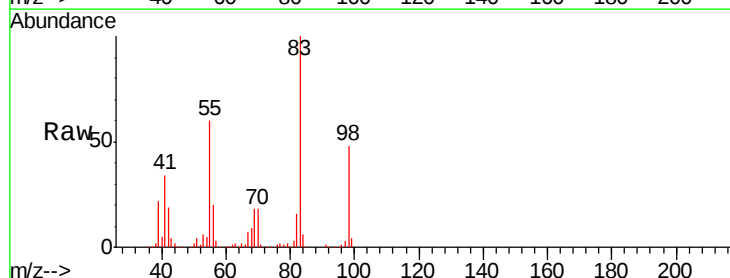
Tgt Ion: 83 Resp: 211342

Ion Ratio Lower Upper

83 100

55 61.4 43.0 129.2

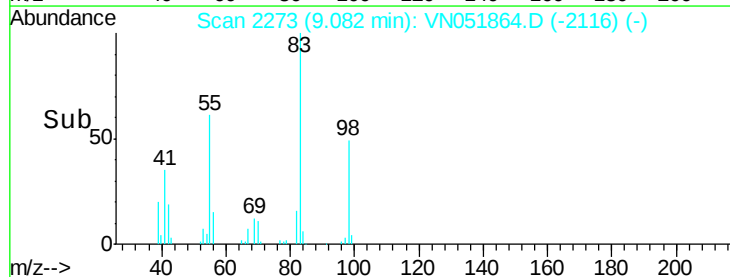
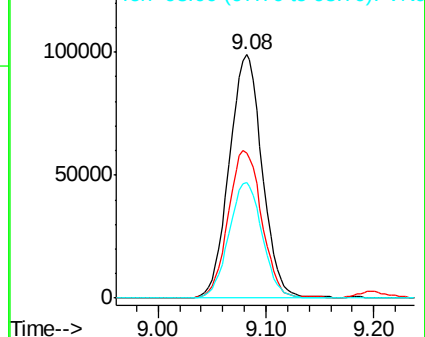
98 48.1 21.3 63.7

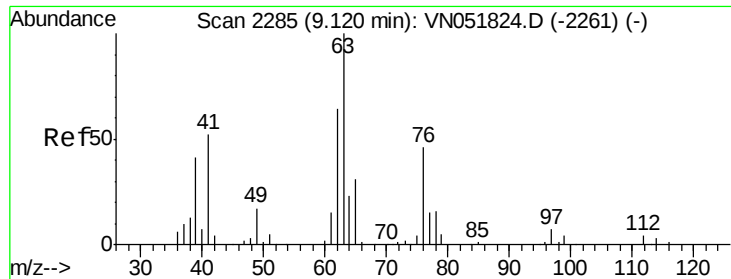


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





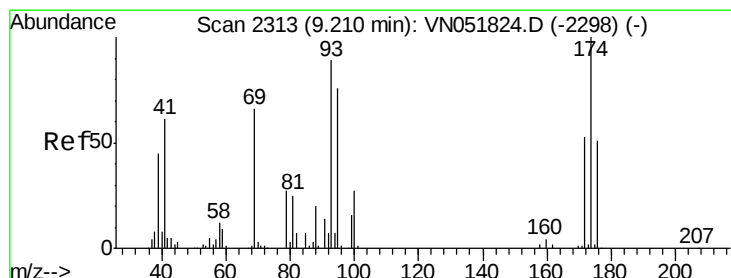
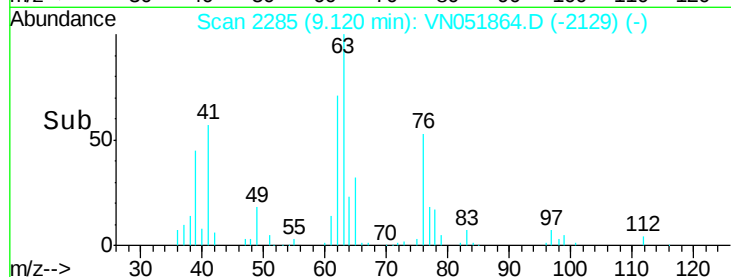
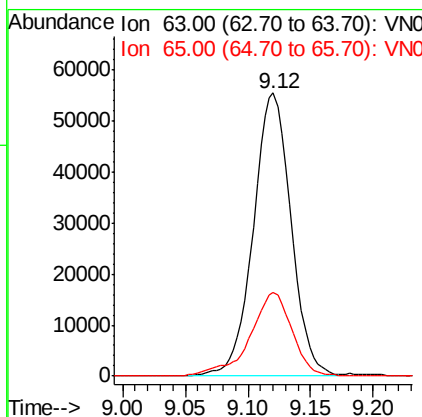
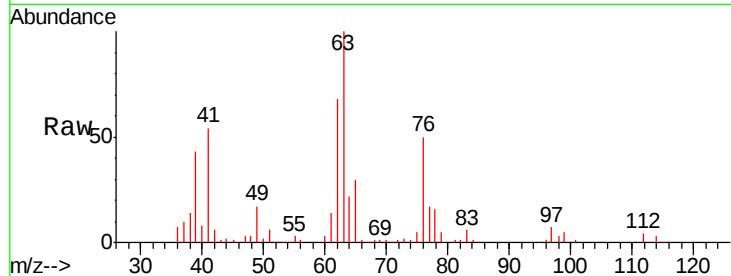
#39
 1,2-Dichloropropane
 Concen: 18.53 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion: 63 Resp: 116002
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.2 34.8

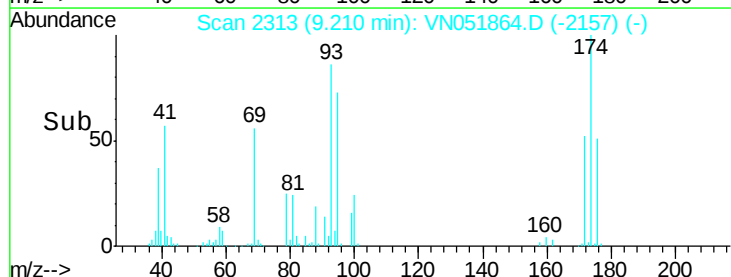
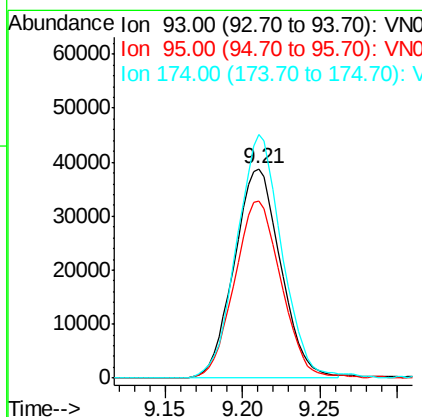
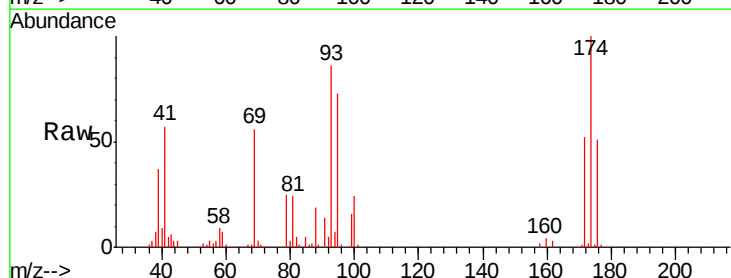
Manual Integrations
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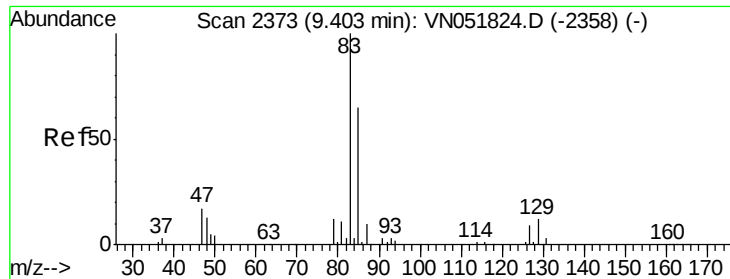
MMDadoda
 10/16/2018 3:56:10 PM



#40
 Dibromomethane
 Concen: 17.44 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion: 93 Resp: 81024
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 162.0
 174 112.5 0.0 214.0





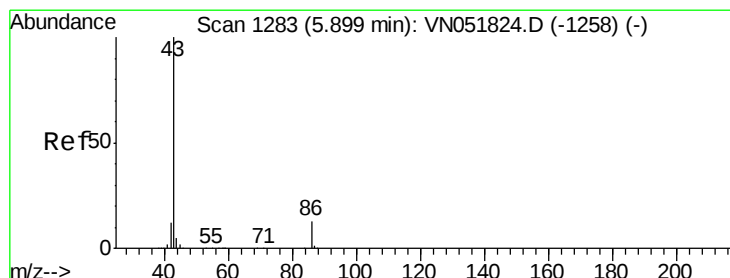
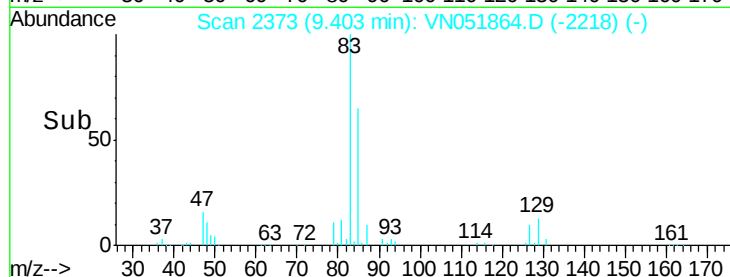
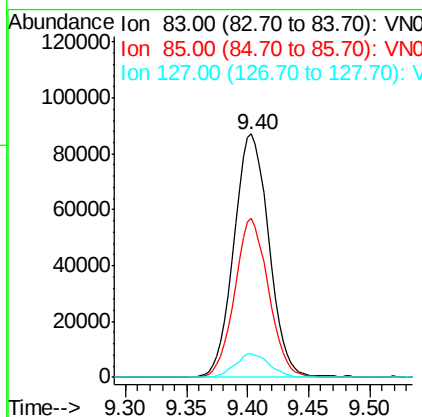
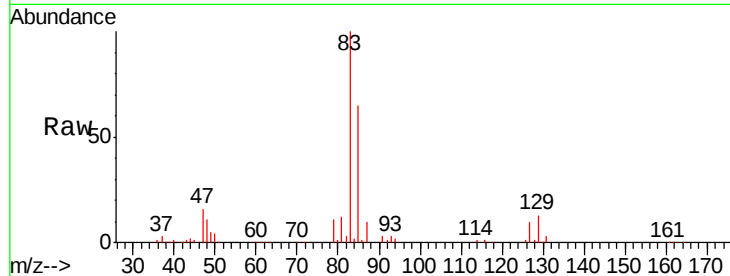
#41
Bromodichloromethane
Concen: 18.05 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	55.7	83.5
127	9.8	8.2	12.4

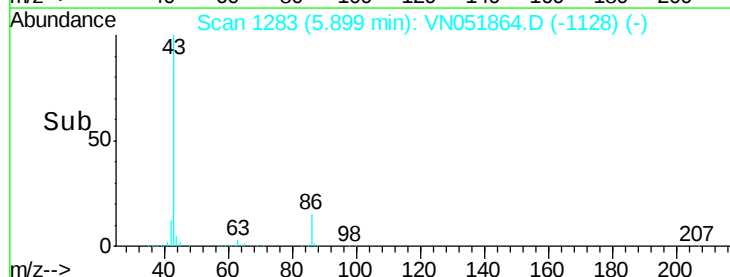
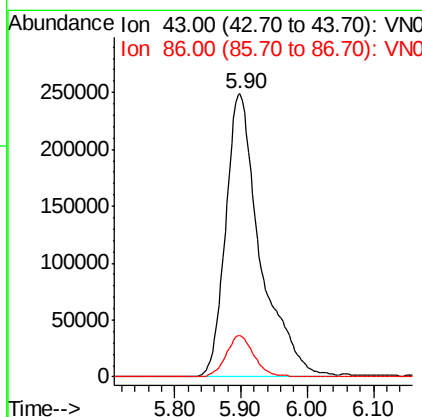
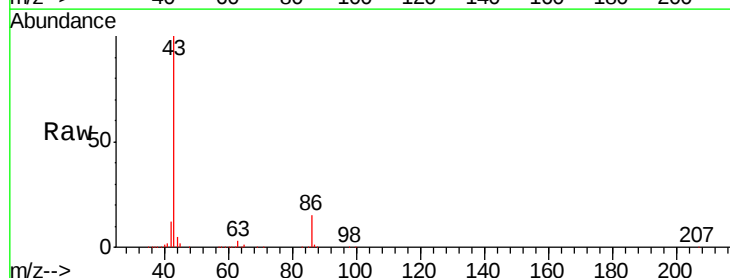
Manual Integrations
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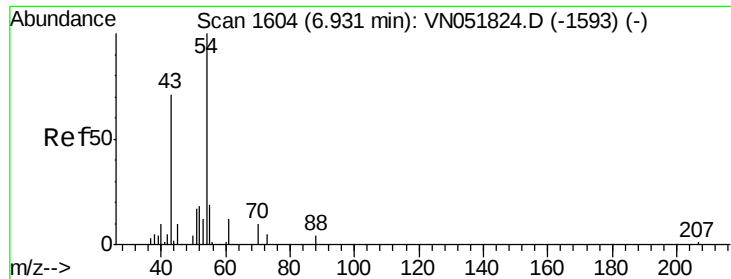
MMDadoda
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#42
Vinyl Acetate
Concen: 85.11 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.9	6.5	9.7#





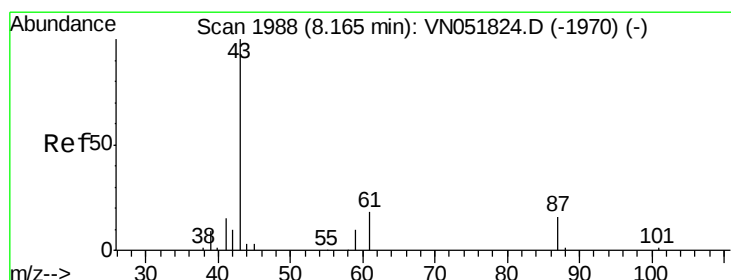
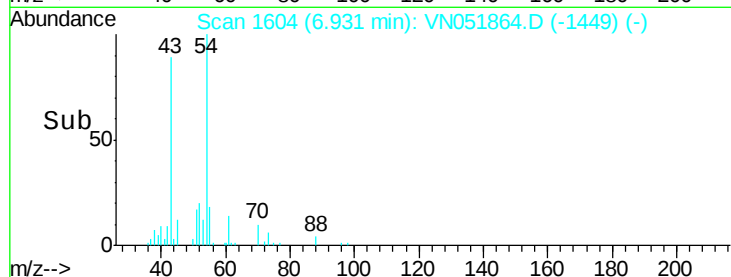
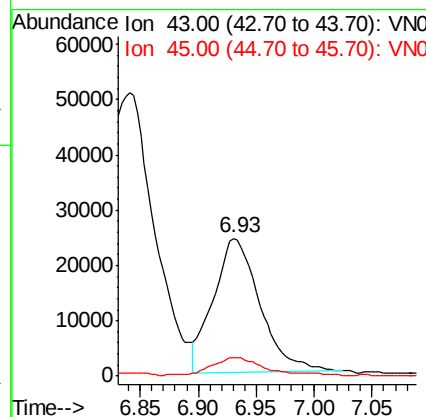
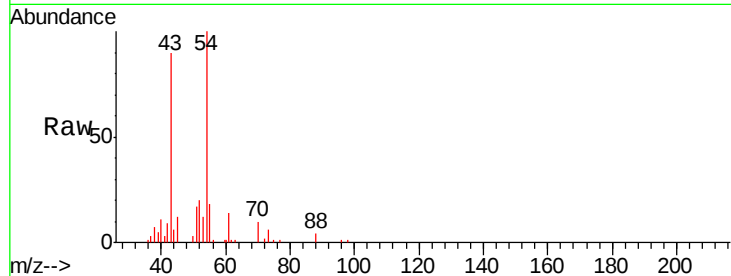
#43
Ethyl Acetate
Concen: 16.60 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion: 43 Resp: 67728
Ion Ratio Lower Upper
43 100
45 15.0 11.0 16.6

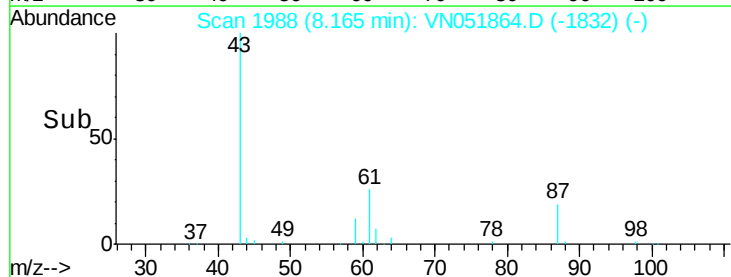
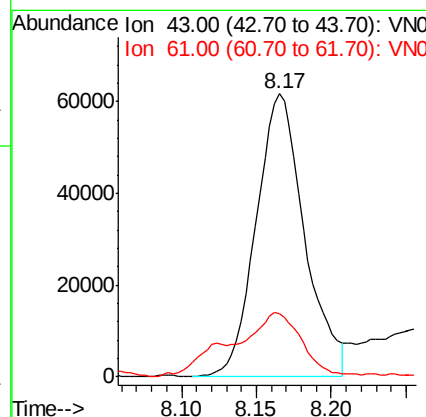
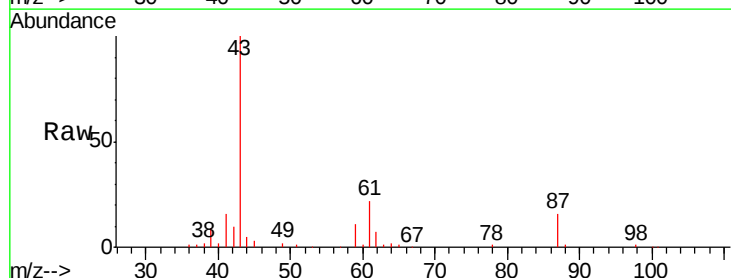
Manual Integrations
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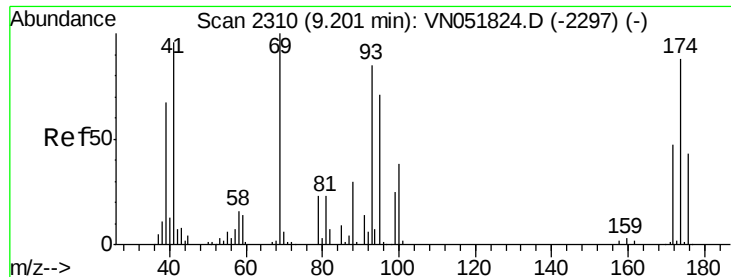
MMDadoda
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#44
Isopropyl Acetate
Concen: 17.04 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 43 Resp: 138858
Ion Ratio Lower Upper
43 100
61 17.5 15.9 23.9





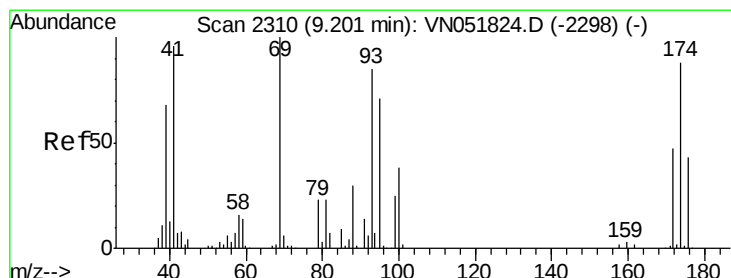
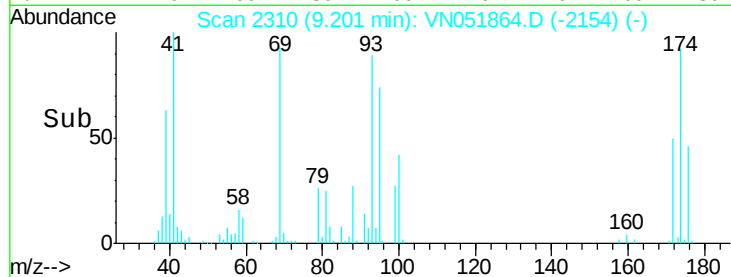
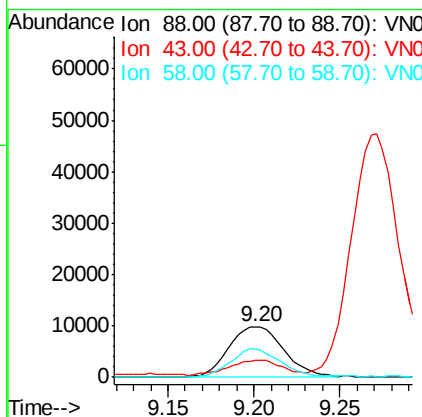
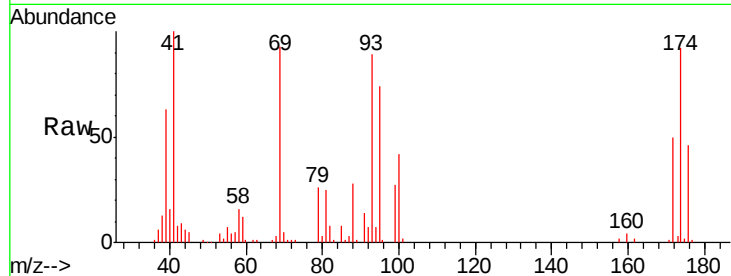
#45
 1,4-Dioxane
 Concen: 335.51 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.6	26.2	39.2
58	50.8	65.6	98.4#

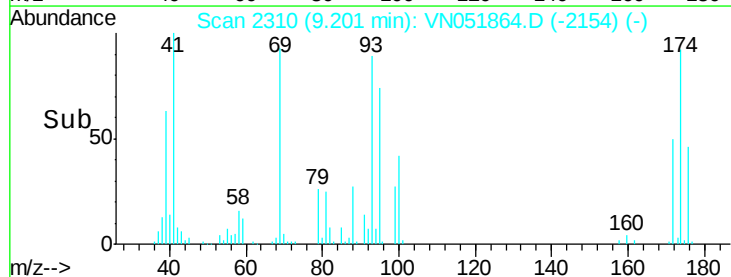
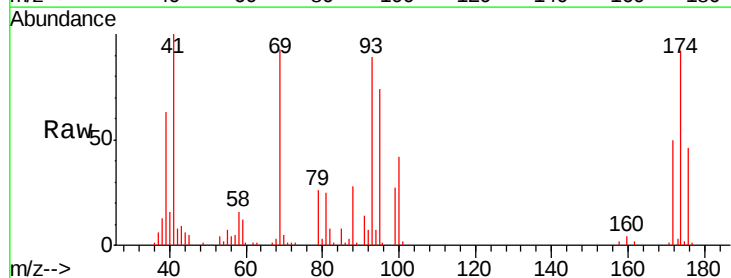
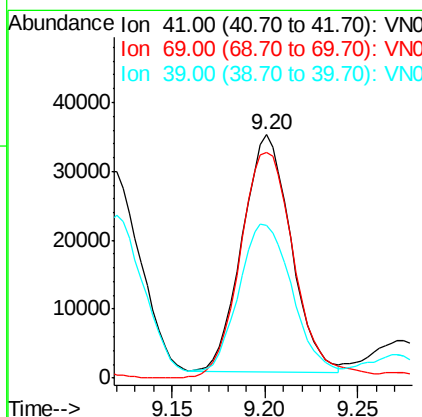
Manual Integrations
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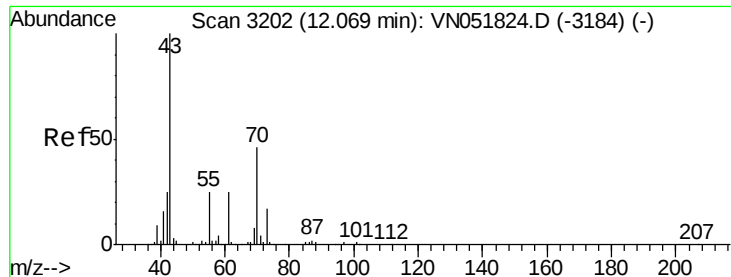
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#46
 Methyl methacrylate
 Concen: 16.70 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.4	40.7	122.1
39	61.6	27.3	81.9





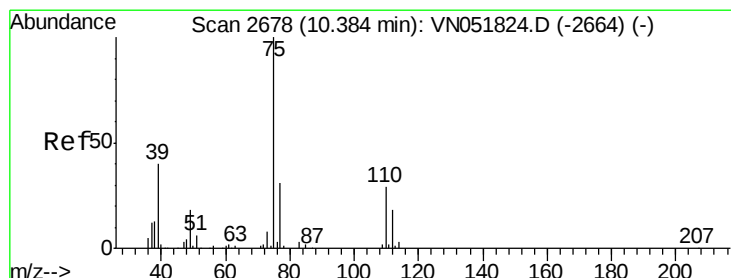
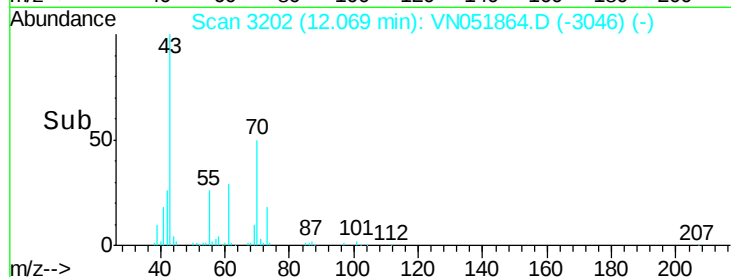
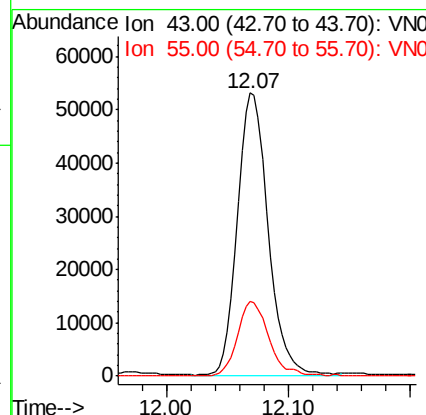
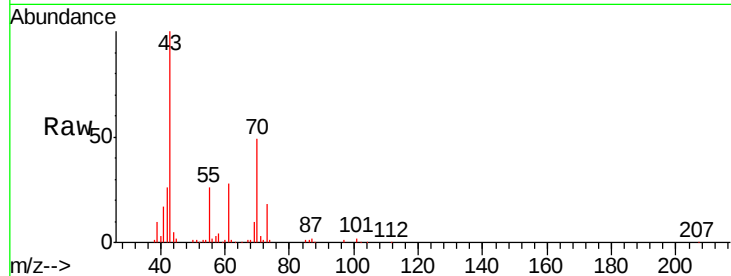
#47
n-amyl Acetate
Concen: 13.67 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion: 43 Resp: 93216
Ion Ratio Lower Upper
43 100
55 0.1 12.2 18.4#

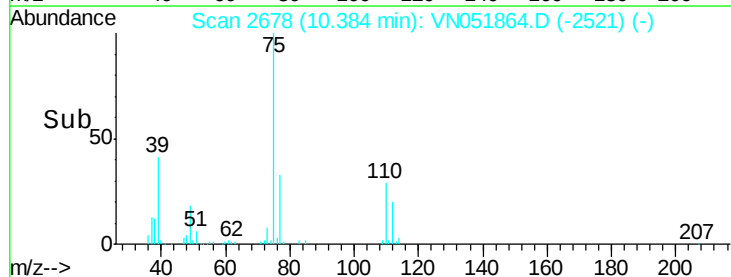
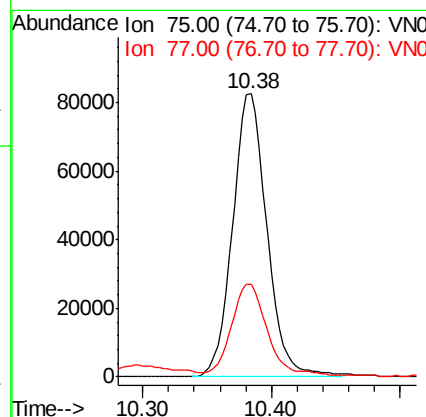
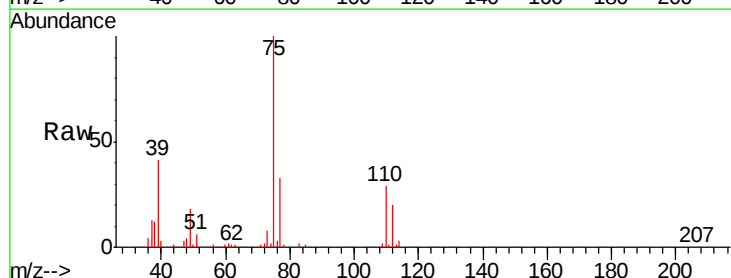
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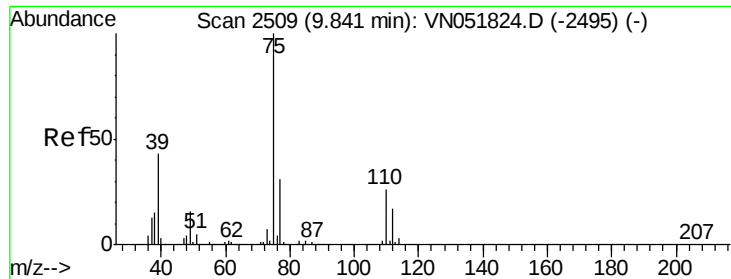
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#48
t-1,3-Dichloropropene
Concen: 16.32 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion: 75 Resp: 152798
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0





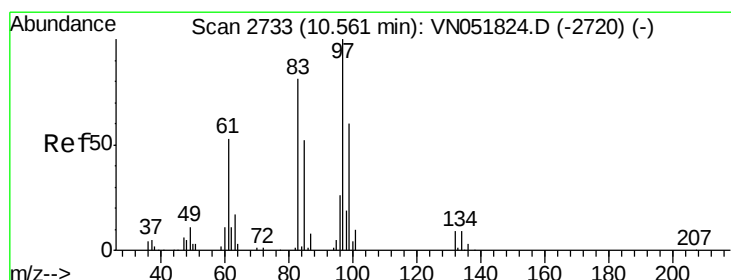
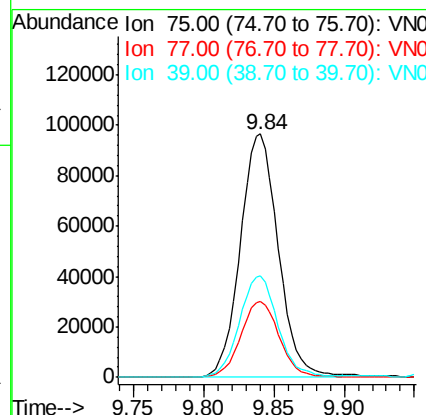
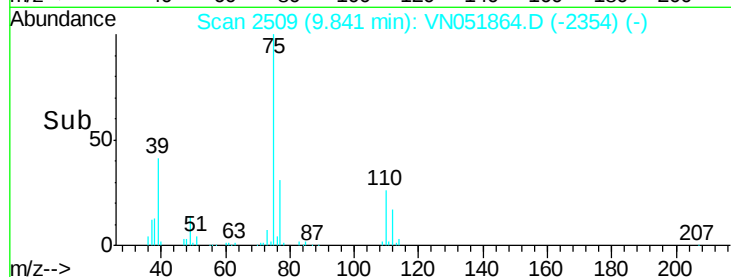
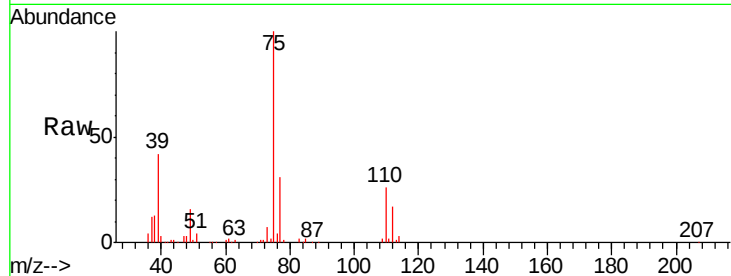
#49
 cis-1,3-Dichloropropene
 Concen: 17.65 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.2	34.8
39	41.4	34.6	52.0

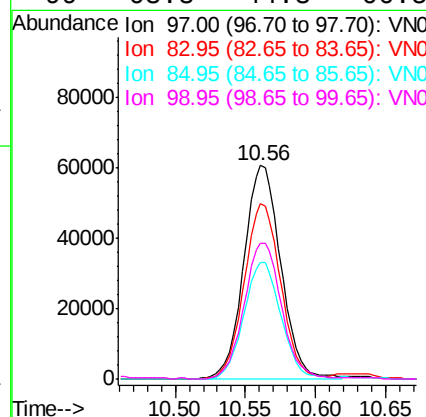
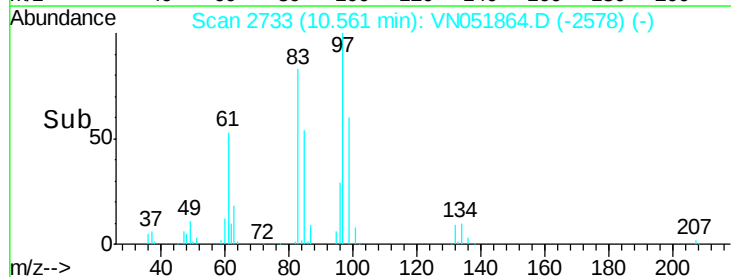
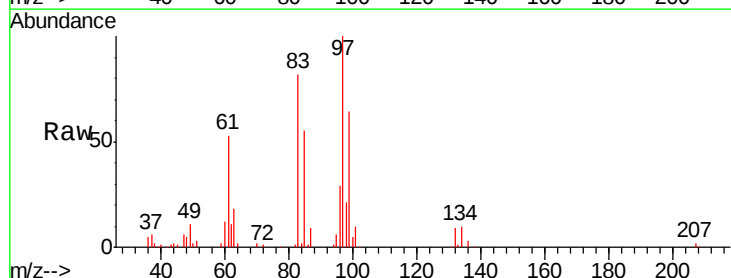
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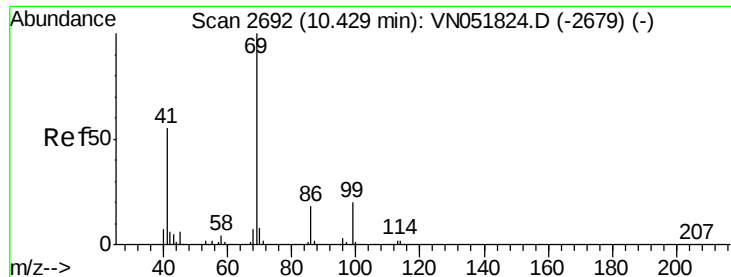
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#50
 1,1,2-Trichloroethane
 Concen: 17.37 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.2	102.4
85	54.6	42.5	63.7
99	63.8	44.3	66.5





#51

Ethyl methacrylate

Concen: 16.19 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 69 Resp: 119018

Ion Ratio Lower Upper

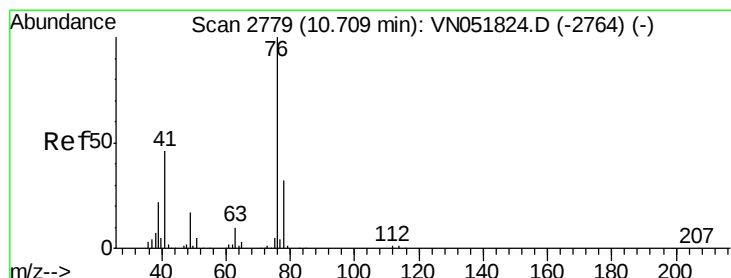
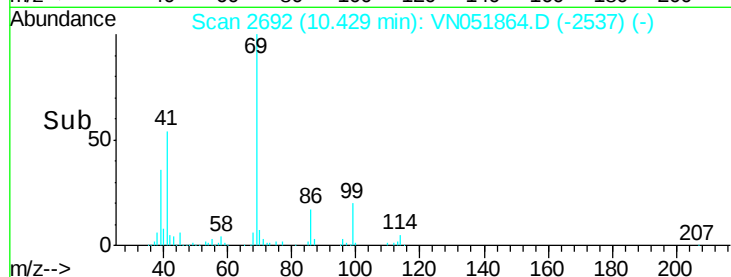
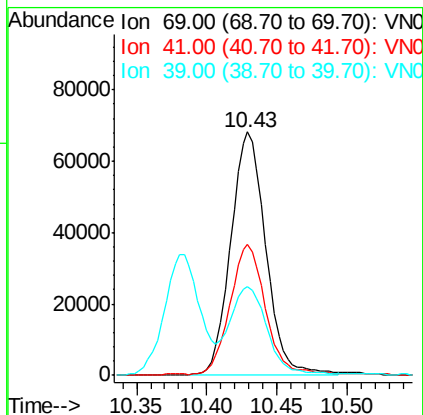
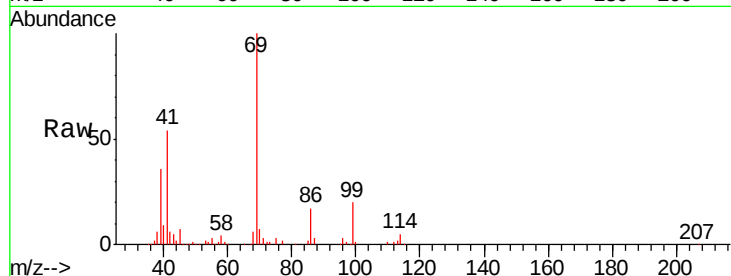
69 100

41 53.5 34.4 103.1

39 35.7 16.3 48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.73 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051864.D

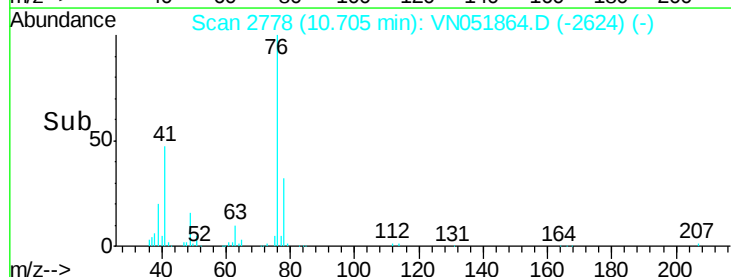
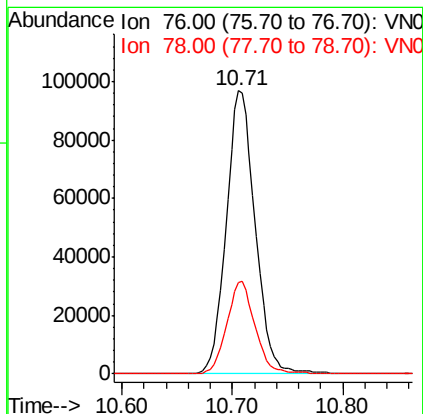
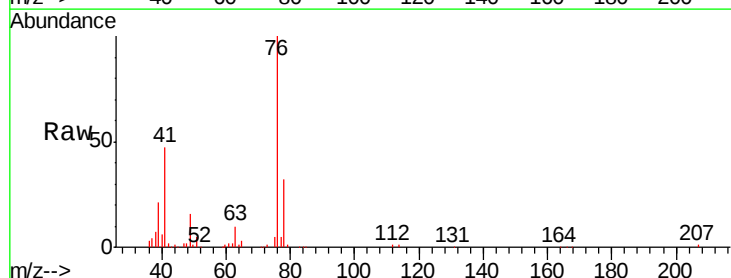
Acq: 15 Oct 2018 10:39

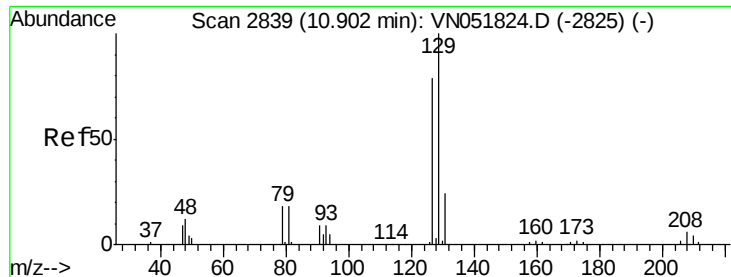
Tgt Ion: 76 Resp: 175656

Ion Ratio Lower Upper

76 100

78 31.6 0.0 67.6





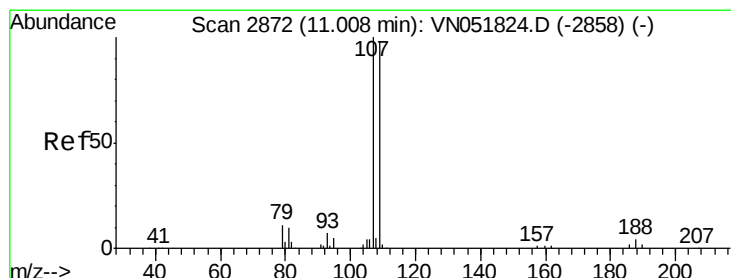
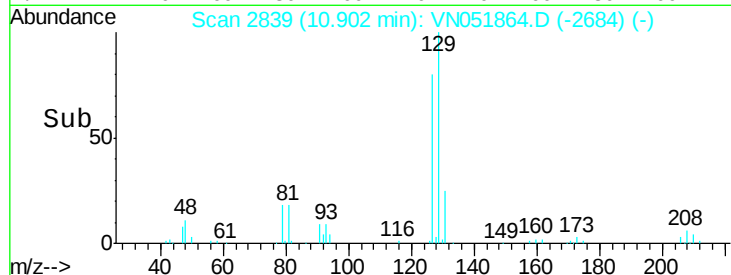
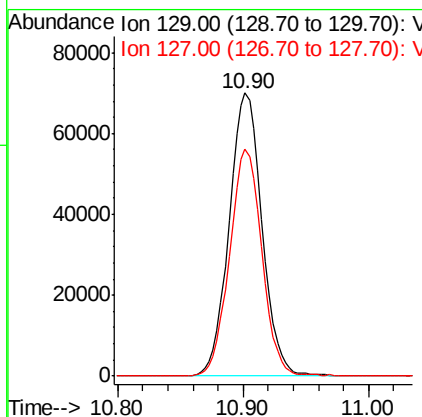
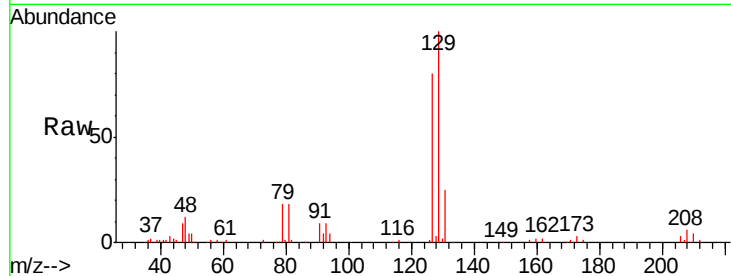
#53
 Dibromochloromethane
 Concen: 16.05 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion:129 Resp: 127460
 Ion Ratio Lower Upper
 129 100
 127 78.7 40.2 120.5

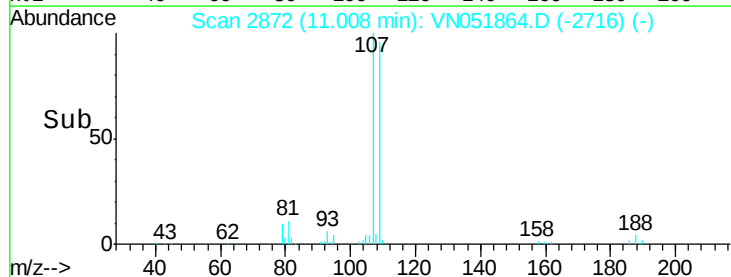
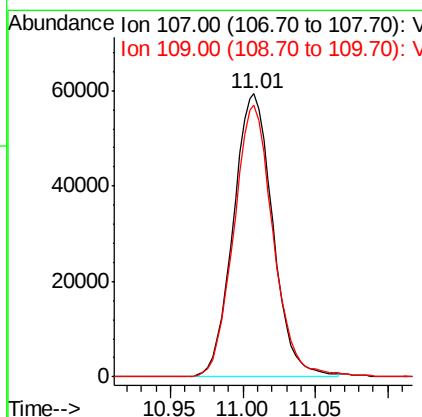
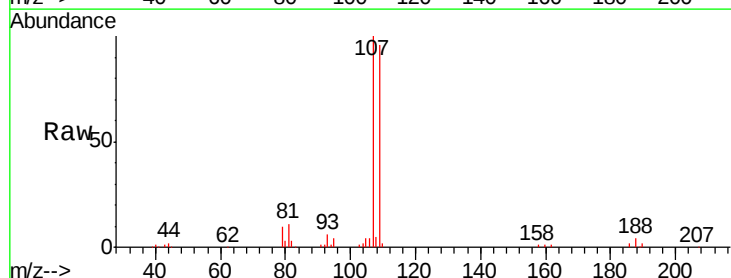
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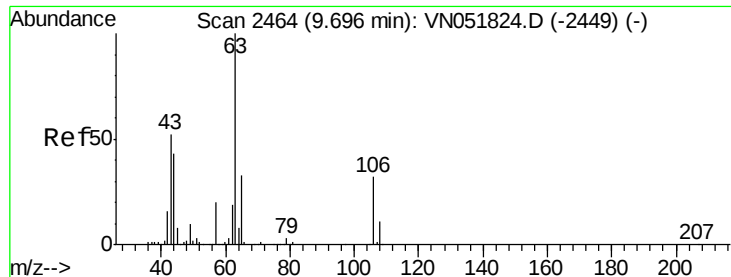
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#54
 1,2-Dibromoethane
 Concen: 16.67 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion:107 Resp: 112357
 Ion Ratio Lower Upper
 107 100
 109 95.8 77.4 116.0





#55

2-Chloroethyl vinyl ether

Concen: 75.96 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 63 Resp: 238703
Ion Ratio Lower Upper

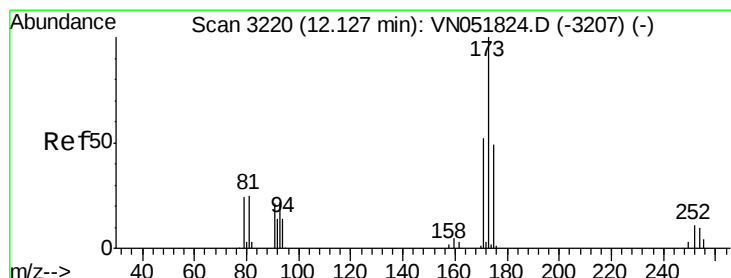
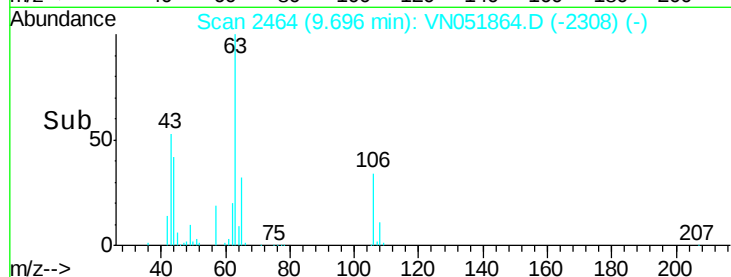
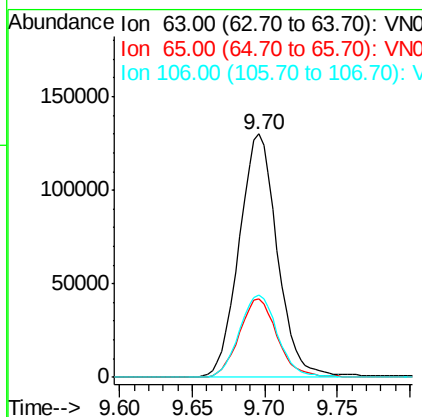
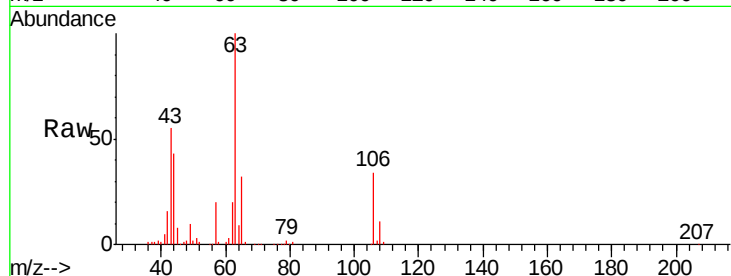
63 100

65 32.2 25.4 38.0

106 34.2 21.2 31.8#

Manual Integrations
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#56

Bromoform

Concen: 14.78 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051864.D

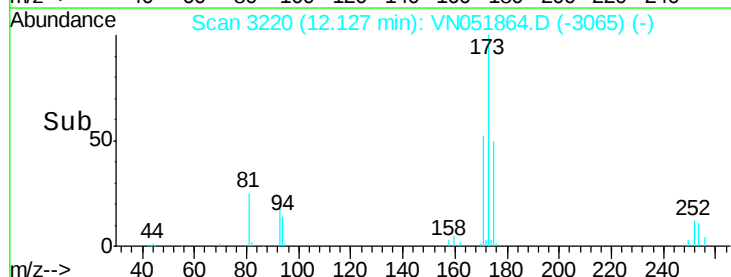
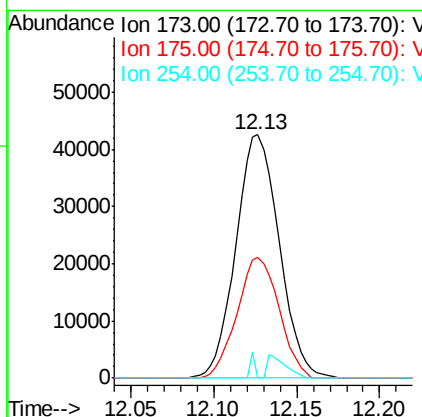
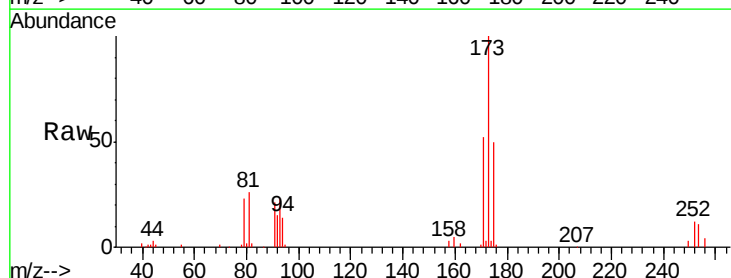
Acq: 15 Oct 2018 10:39

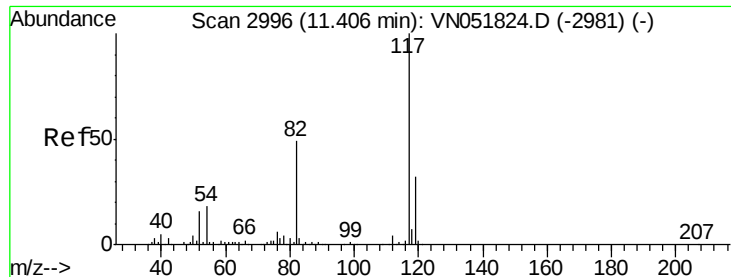
Tgt Ion: 173 Resp: 77406
Ion Ratio Lower Upper

173 100

175 48.1 35.8 53.8

254 4.0 8.6 13.0#





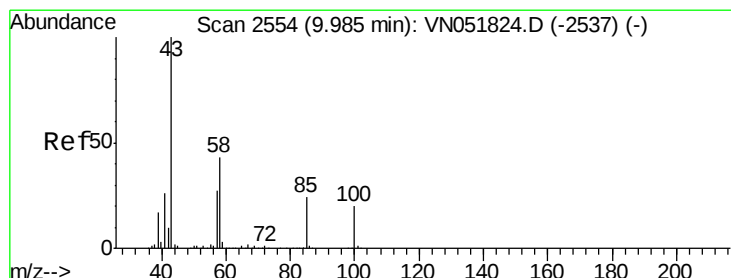
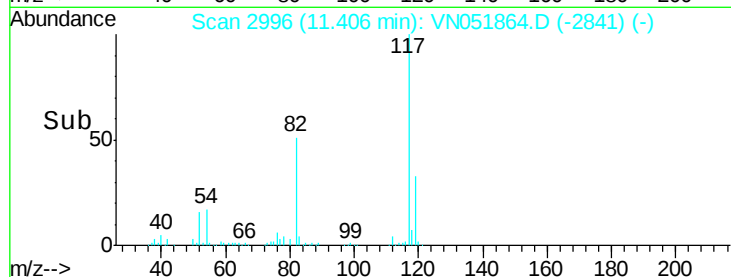
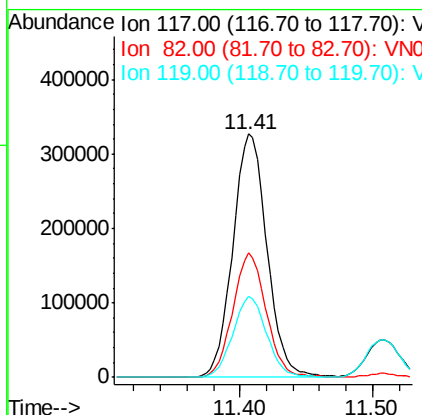
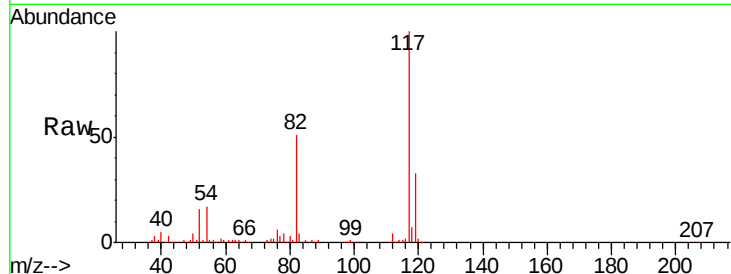
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	49.9	44.1	66.1
119	33.1	25.8	38.8

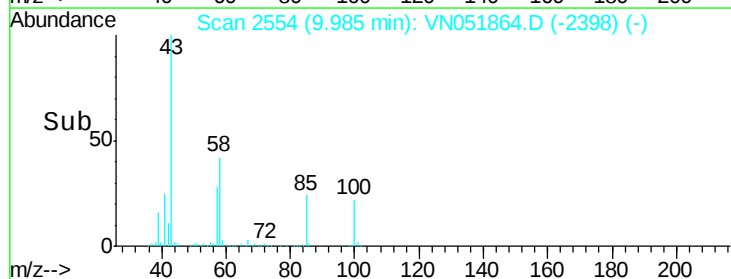
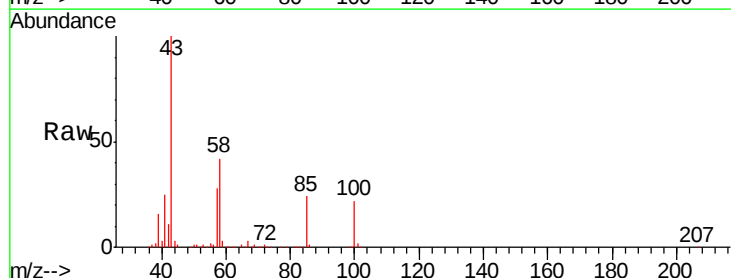
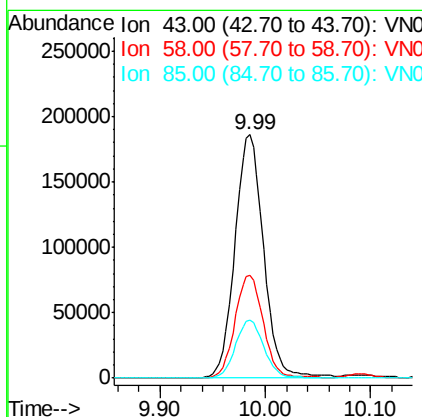
Manual Integrations
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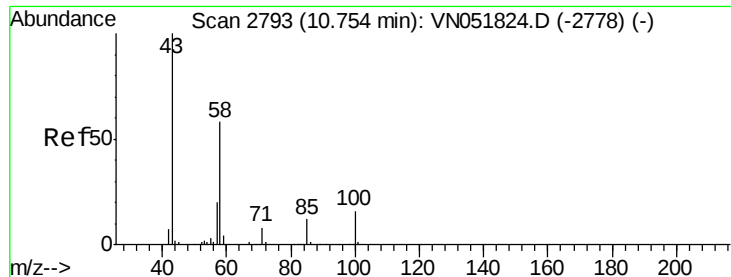
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#58
4-Methyl-2-Pentanone
Concen: 89.41 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	41.7	29.3	43.9
85	23.7	12.6	18.8





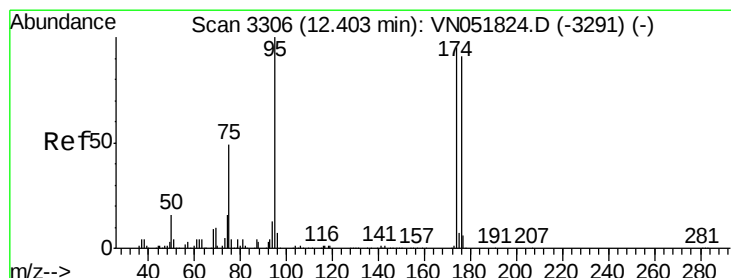
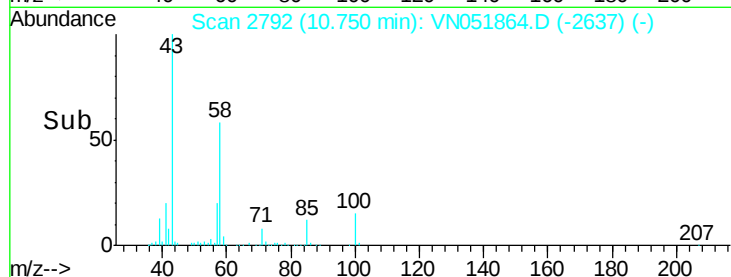
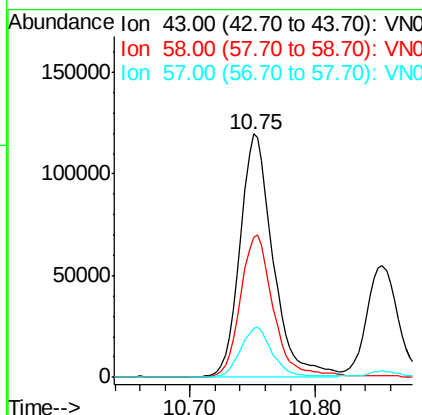
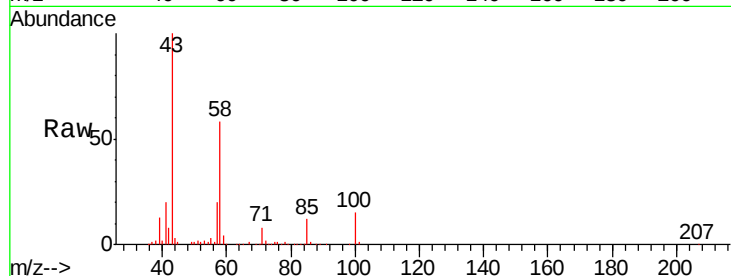
#59
2-Hexanone
Concen: 82.87 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.6	41.3	61.9
57	20.1	13.4	20.0

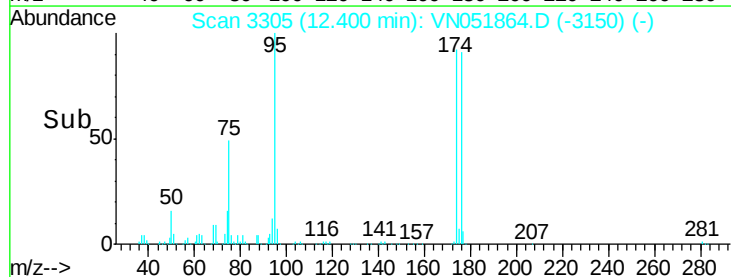
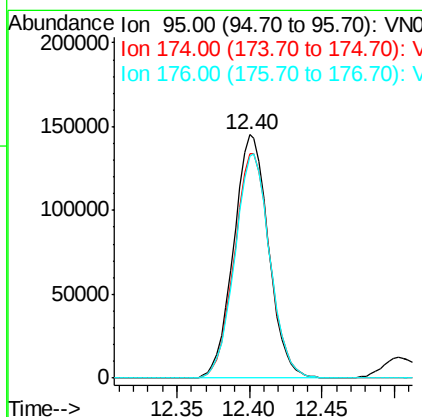
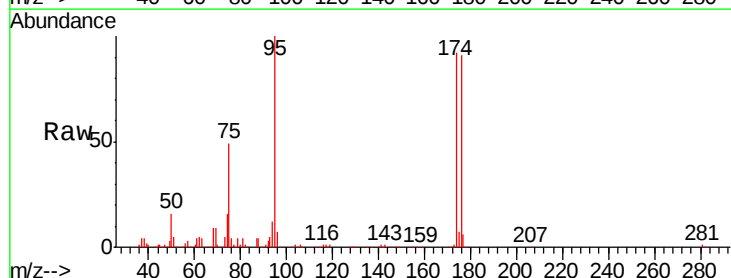
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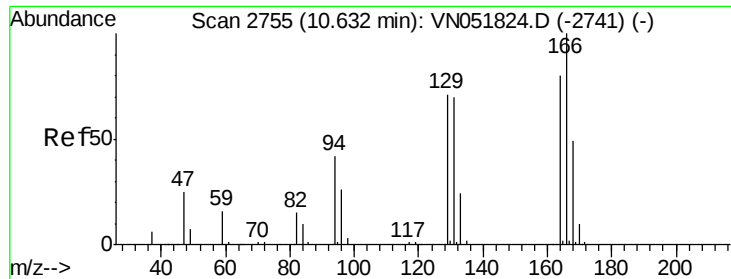
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 82.87 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	73.5	110.3
176	92.9	70.2	105.2





#61

Tetrachloroethene

Concen: 21.17 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 164 Resp: 158349

Ion Ratio Lower Upper

164 100

166 123.0 98.7 148.1

129 87.0 69.6 104.4

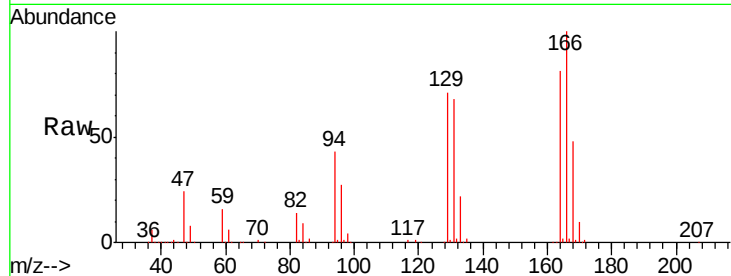
131 83.9 72.4 108.6

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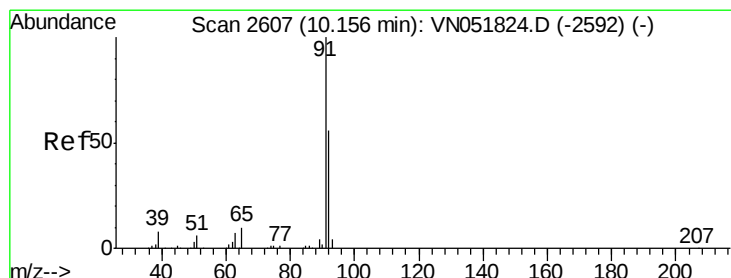
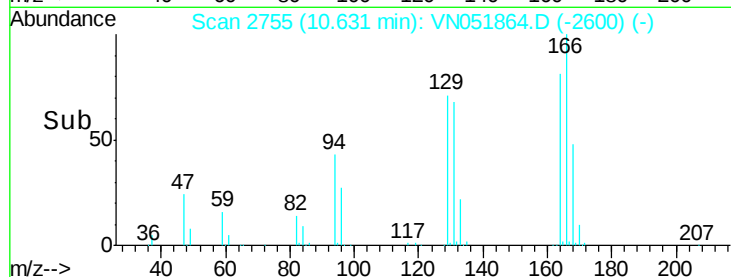
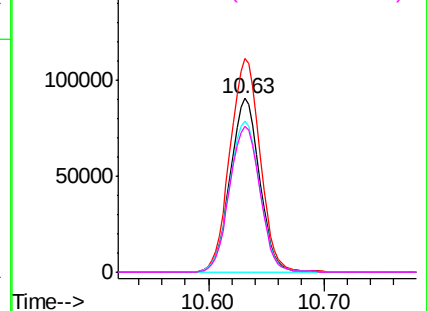


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.36 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051864.D

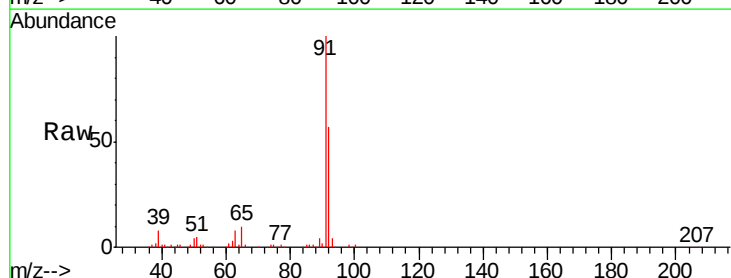
Acq: 15 Oct 2018 10:39

Tgt Ion: 91 Resp: 562404

Ion Ratio Lower Upper

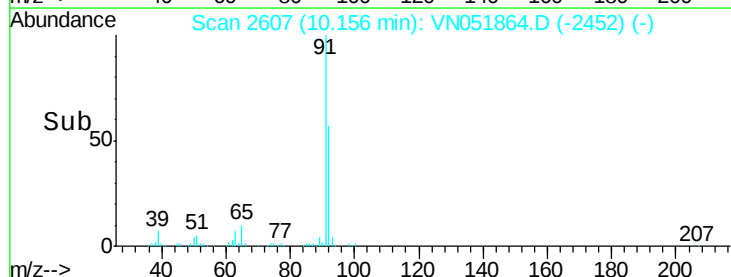
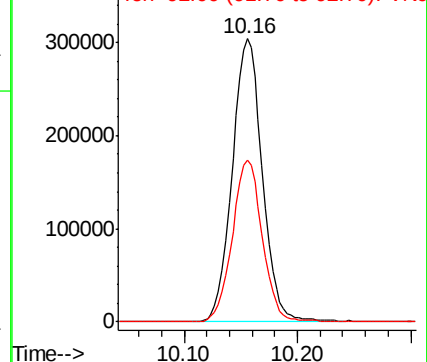
91 100

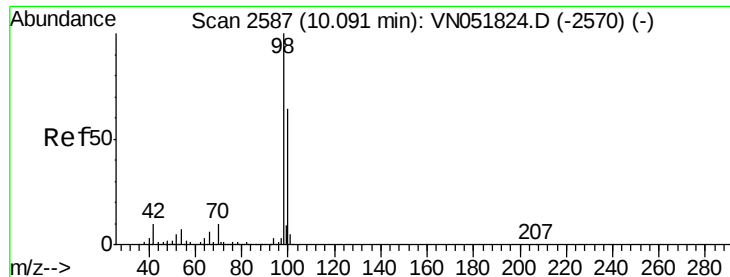
92 56.6 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.36 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 98 Resp: 803985

Ion Ratio Lower Upper

98 100

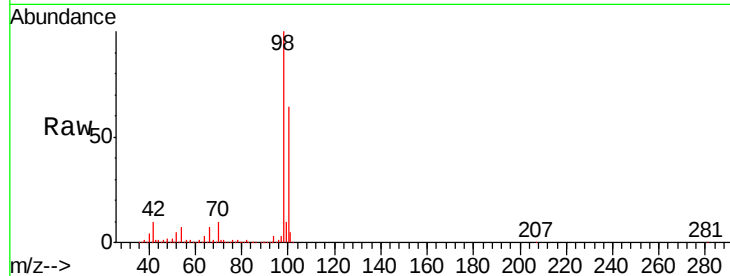
100 63.2 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VN051864.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN051864.D (-2431) (-)

10.09

400000

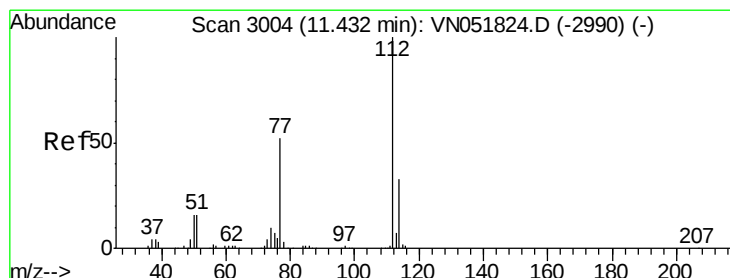
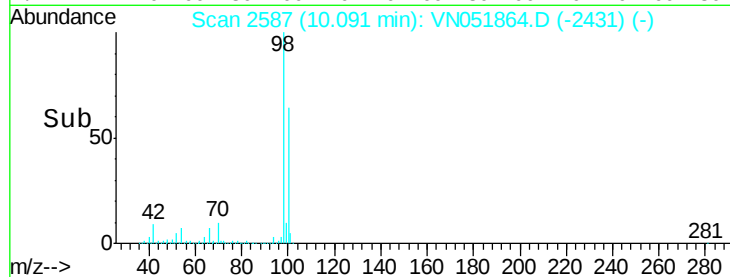
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 18.49 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051864.D

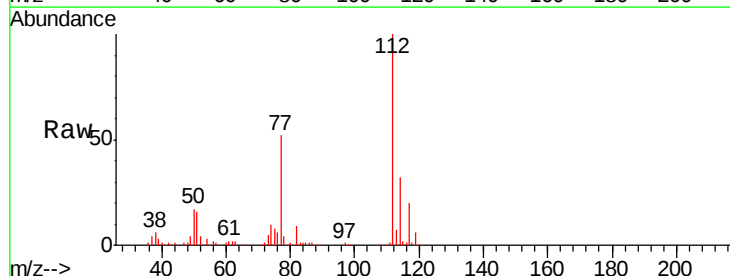
Acq: 15 Oct 2018 10:39

Tgt Ion: 112 Resp: 351917

Ion Ratio Lower Upper

112 100

114 31.9 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051864.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN051864.D (-2848) (-)

11.43

200000

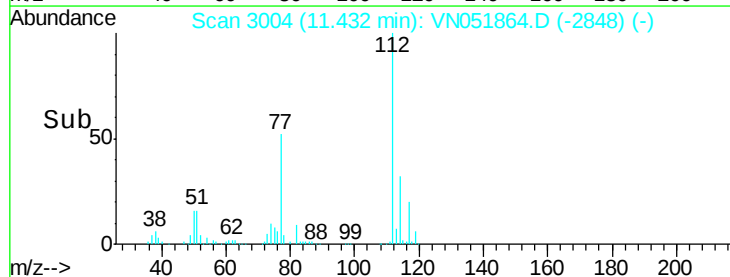
150000

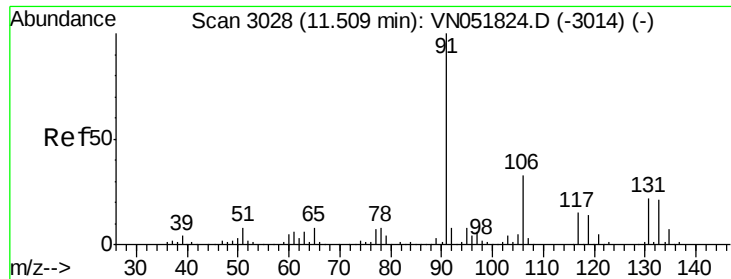
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 131 Resp: 140583
Ion Ratio Lower Upper

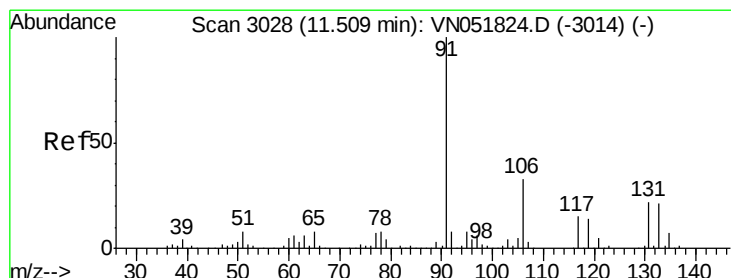
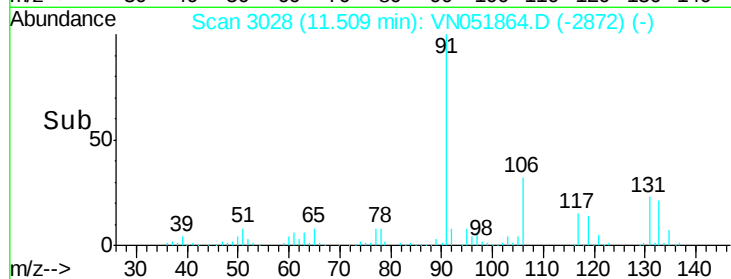
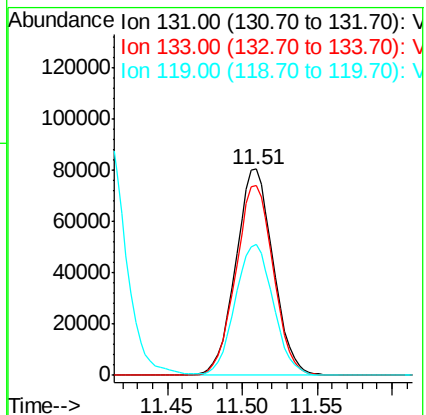
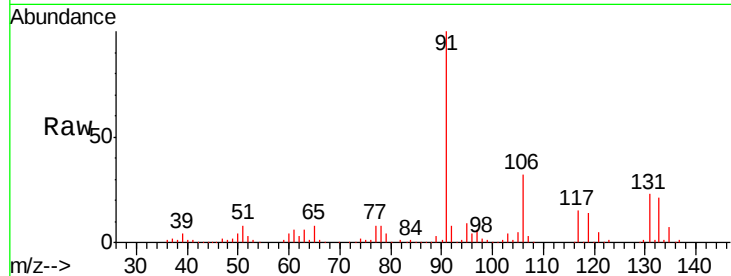
131 100

133 92.5 0.0 190.4

119 64.5 0.0 128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.66 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

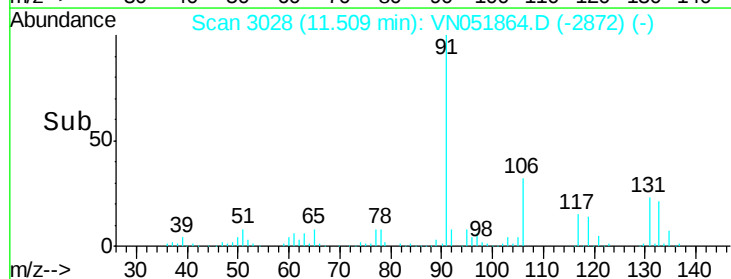
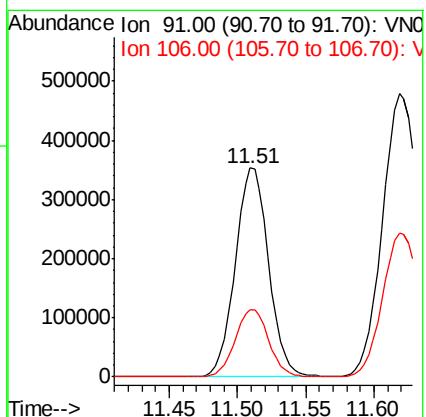
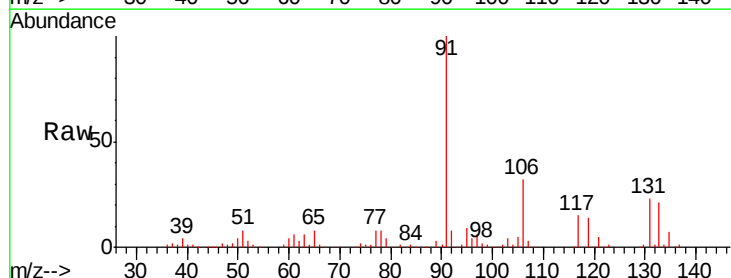
Lab File: VN051864.D

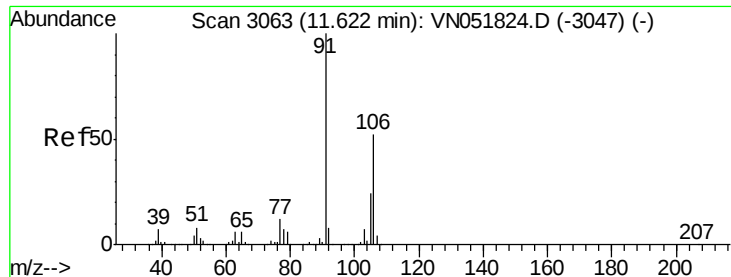
Acq: 15 Oct 2018 10:39

Tgt Ion: 91 Resp: 599138
Ion Ratio Lower Upper

91 100

106 32.3 25.9 38.9





#67

m/p-Xylenes

Concen: 36.32 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion:106 Resp: 472867

Ion Ratio Lower Upper

106 100

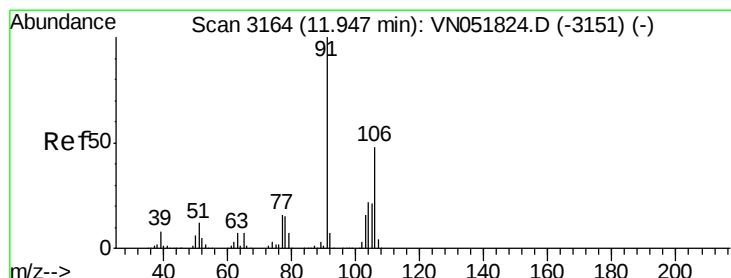
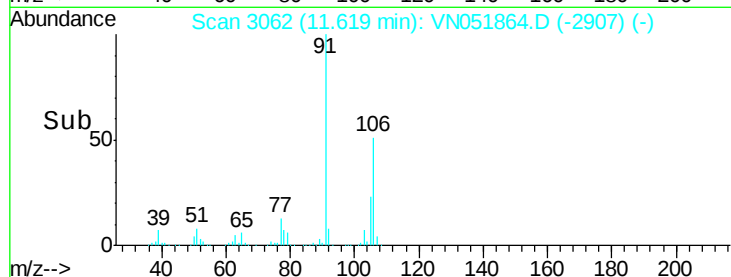
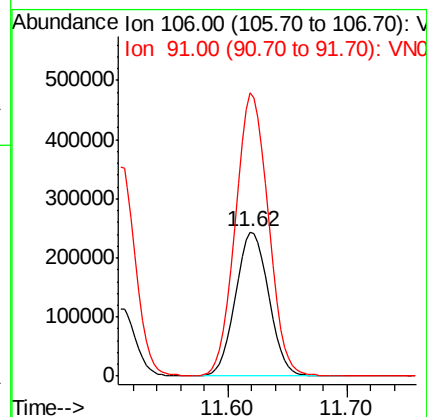
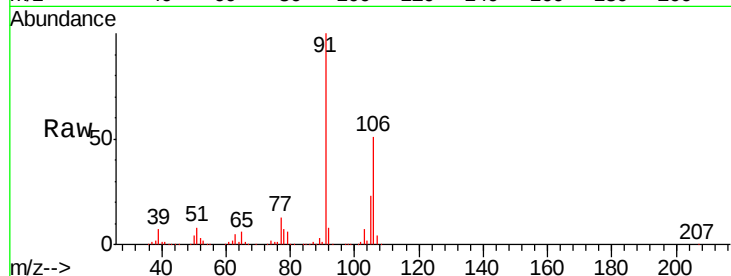
91 194.6 158.8 238.2

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#68

o-Xylene

Concen: 18.28 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051864.D

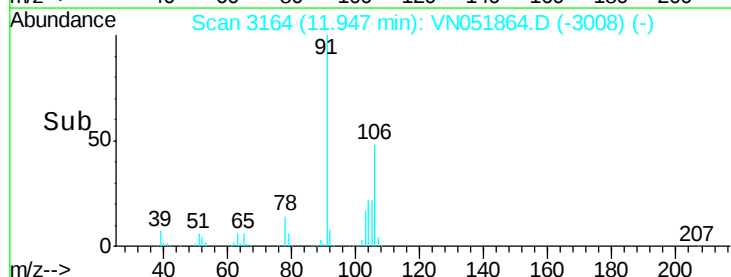
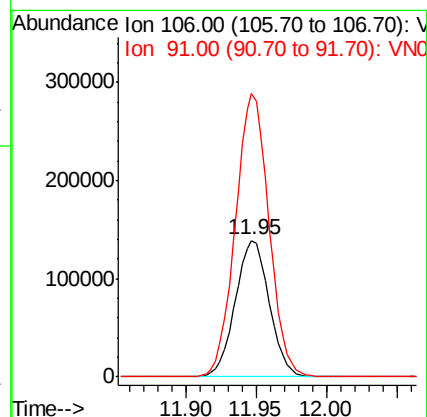
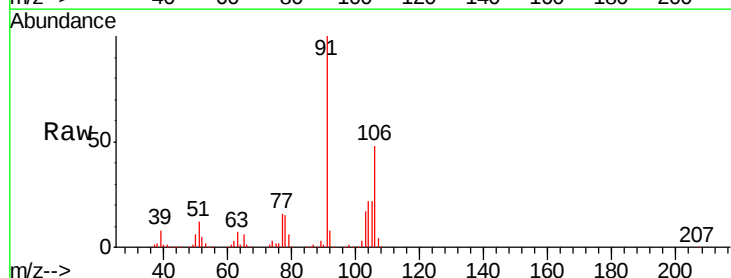
Acq: 15 Oct 2018 10:39

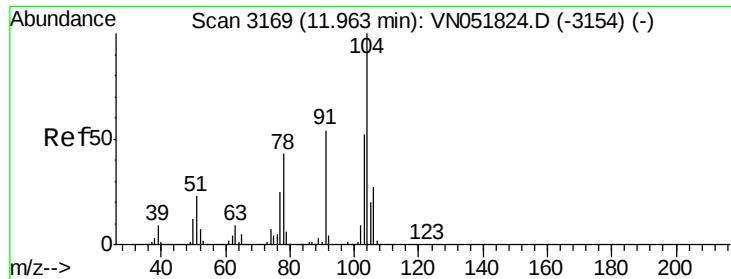
Tgt Ion:106 Resp: 234674

Ion Ratio Lower Upper

106 100

91 204.5 111.1 333.3





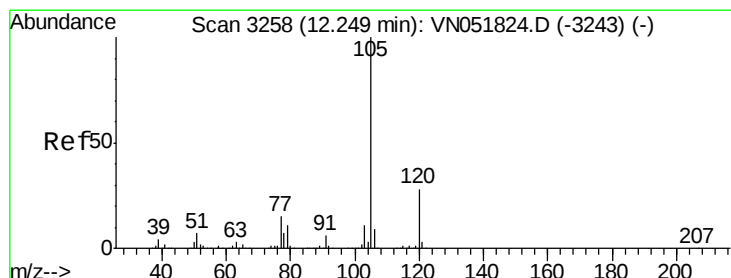
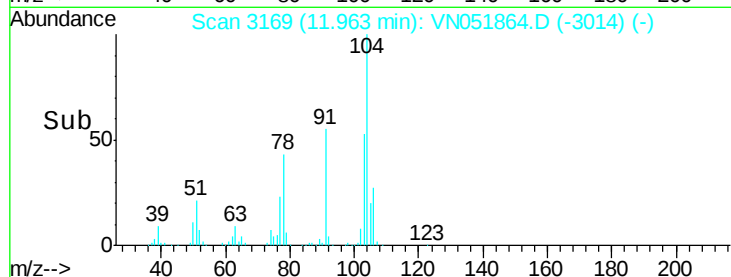
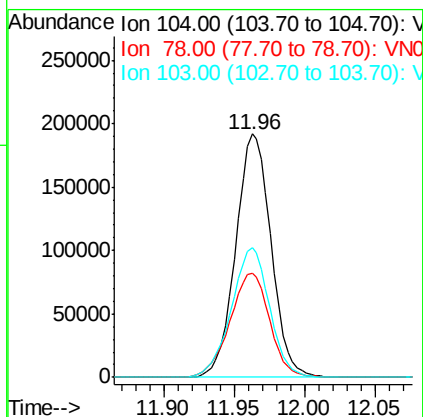
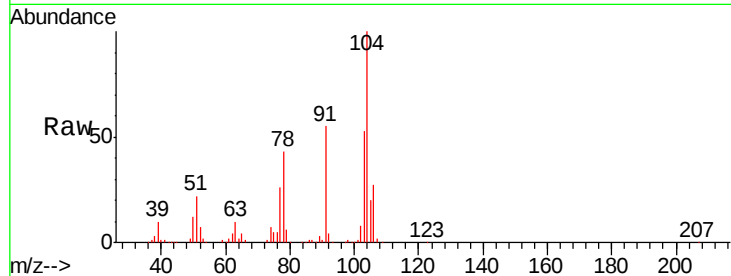
#69
Styrene
Concen: 17.15 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	40.6	60.8
103	57.5	44.0	66.0

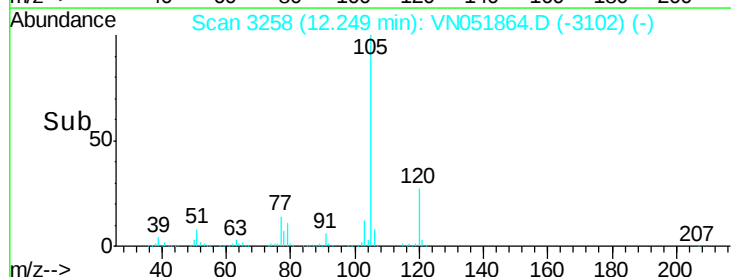
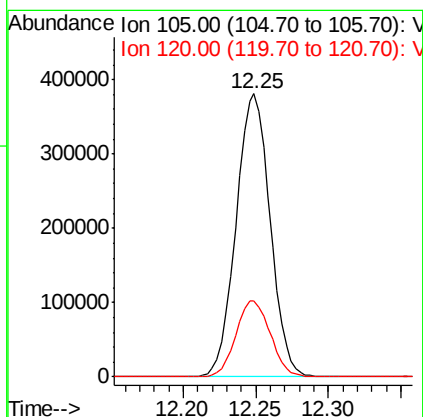
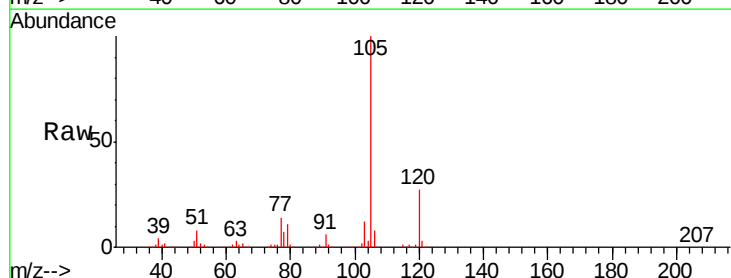
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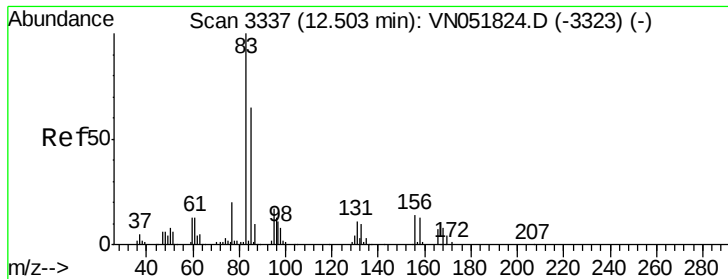
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#70
Isopropylbenzene
Concen: 18.16 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 17.16 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 83 Resp: 115976

Ion Ratio Lower Upper

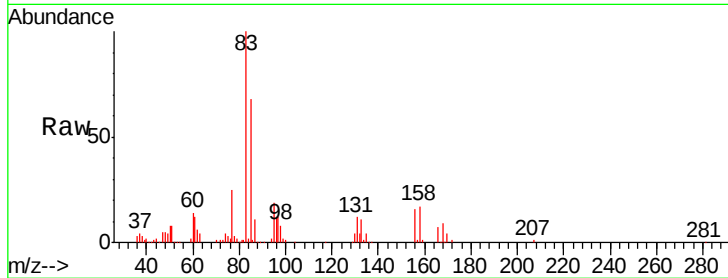
83 100

131 12.0 5.5 16.4

85 65.6 30.6 91.8

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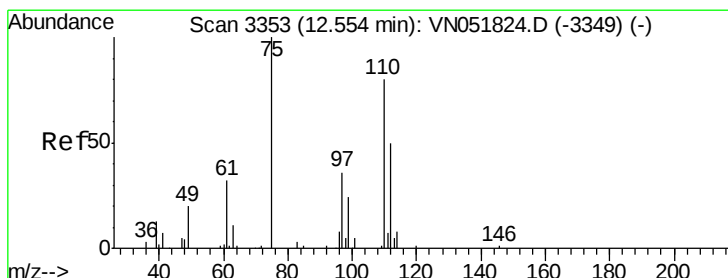
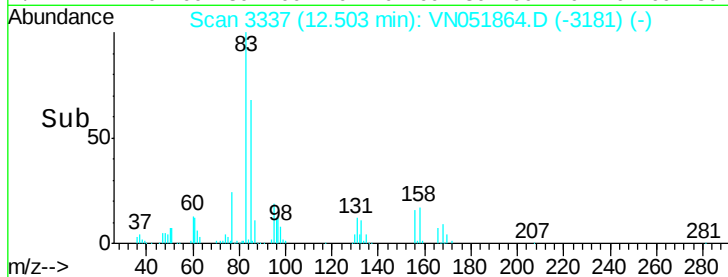
Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

12.50

Time-->



#72

1,2,3-Trichloropropane

Concen: 20.26 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051864.D

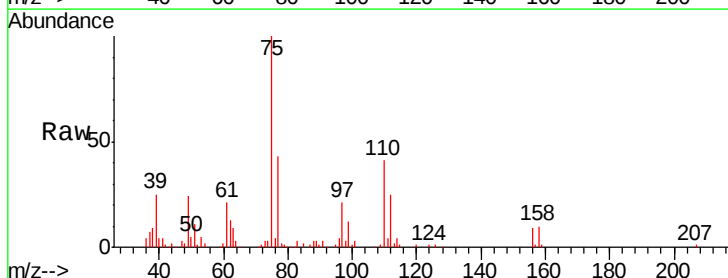
Acq: 15 Oct 2018 10:39

Tgt Ion: 75 Resp: 107721

Ion Ratio Lower Upper

75 100

77 209.8 0.0 400.0

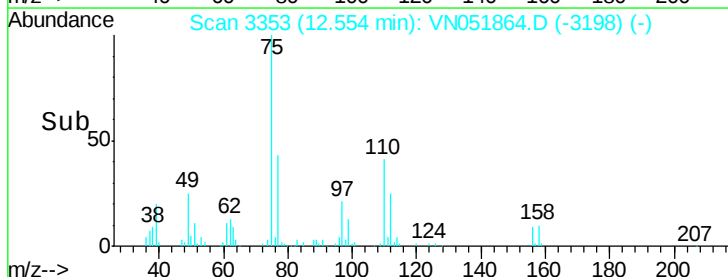


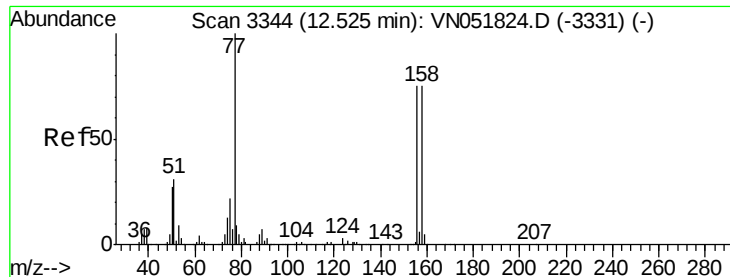
Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->





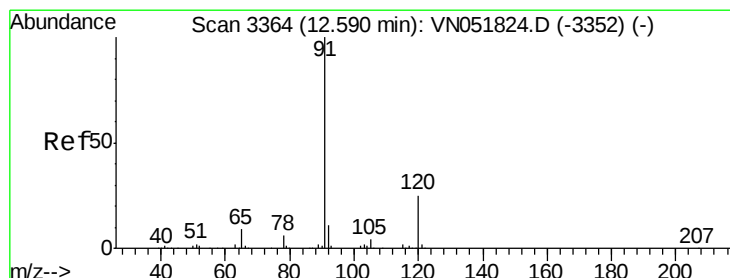
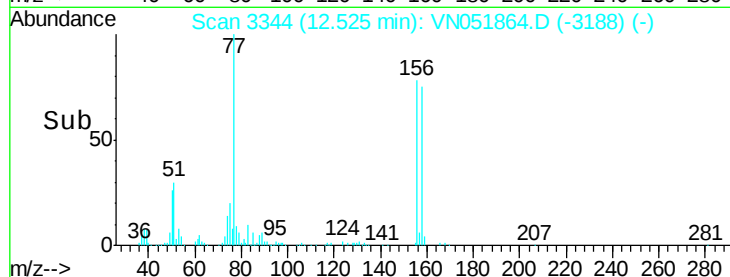
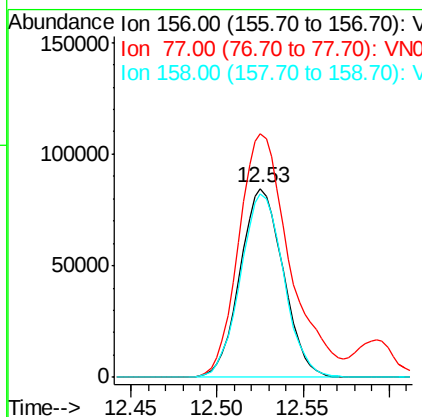
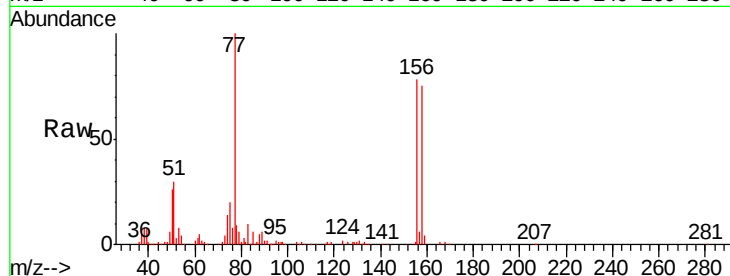
#73
Bromobenzene
Concen: 17.46 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	148027		
77	152.7	0.0	377.4	
158	97.4	0.0	203.0	

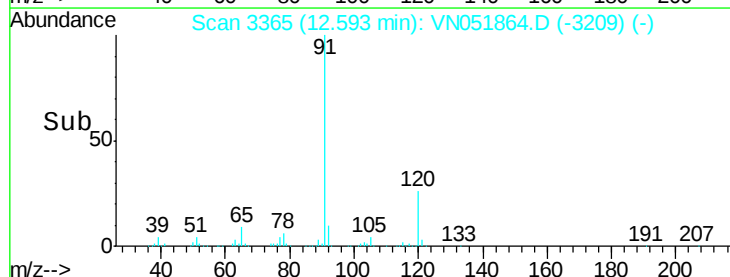
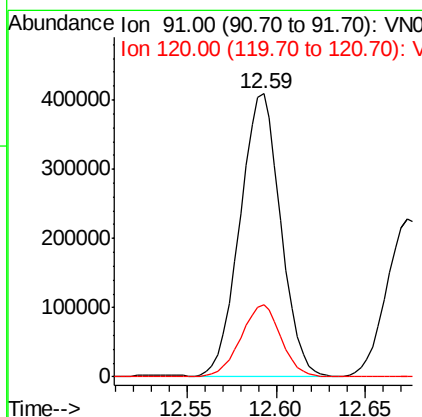
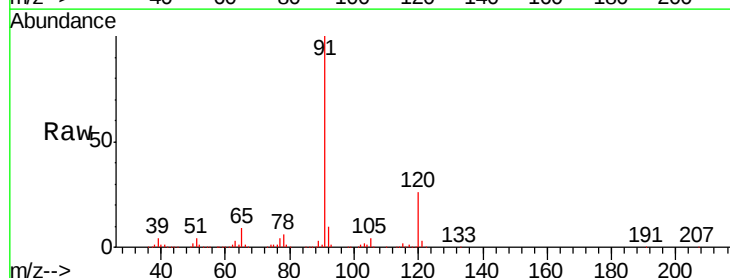
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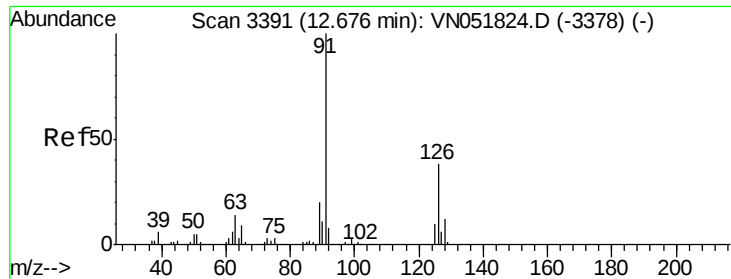
MMDadoda
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#74
n-propylbenzene
Concen: 17.80 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	655250		
120	25.0	0.0	45.0	





#75

2-Chlorotoluene

Concen: 18.11 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion: 91 Resp: 390792

Ion Ratio Lower Upper

91 100

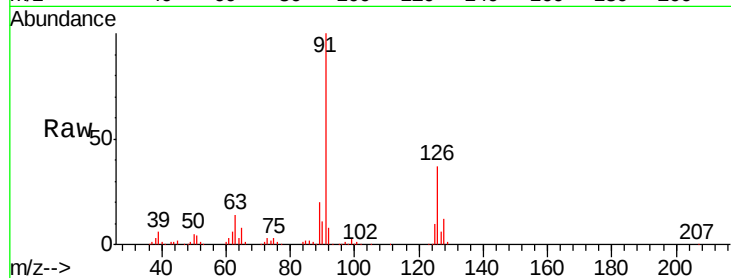
126 37.2 0.0 67.6

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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

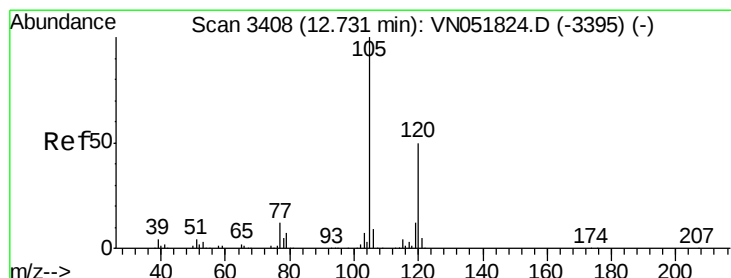
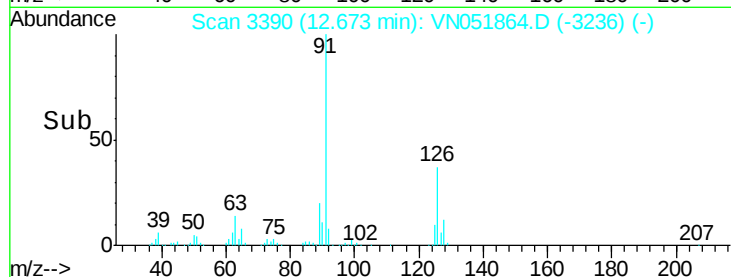
12.67

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.78 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051864.D

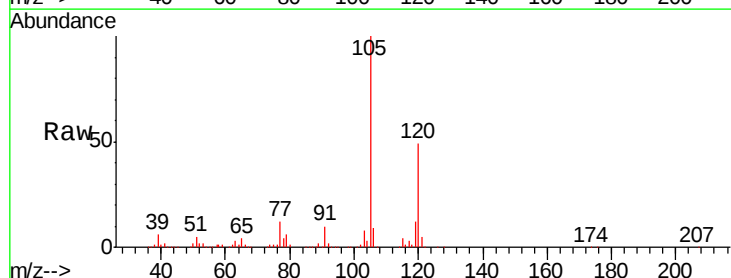
Acq: 15 Oct 2018 10:39

Tgt Ion: 105 Resp: 503155

Ion Ratio Lower Upper

105 100

120 49.6 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) (-)

300000

200000

100000

0

12.73

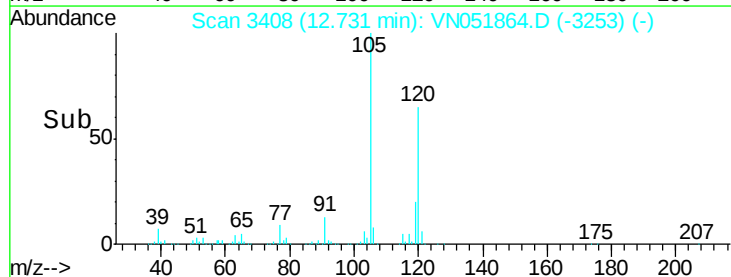
12.65

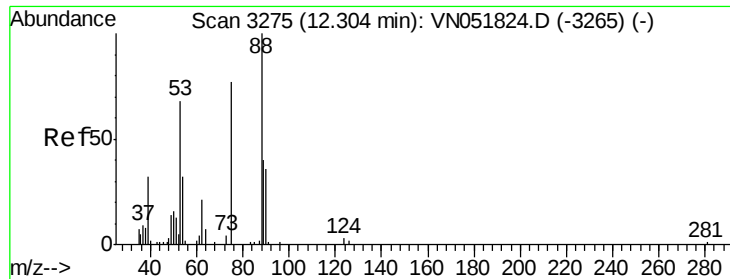
12.70

12.75

12.80

Time-->





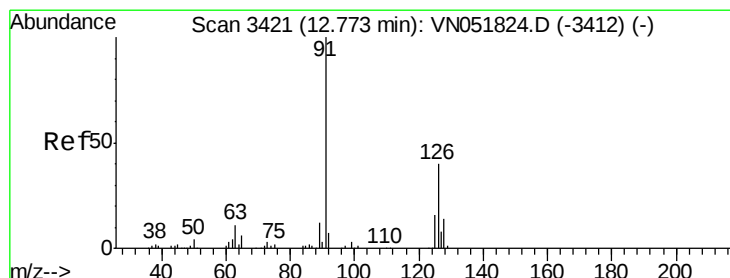
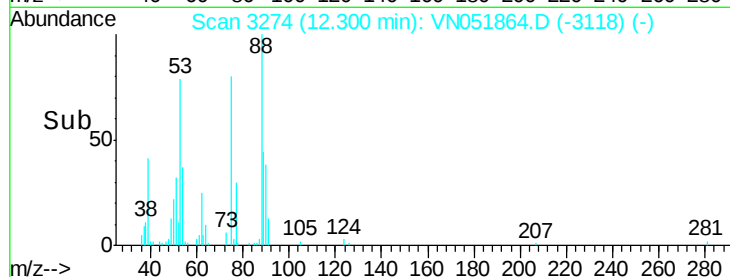
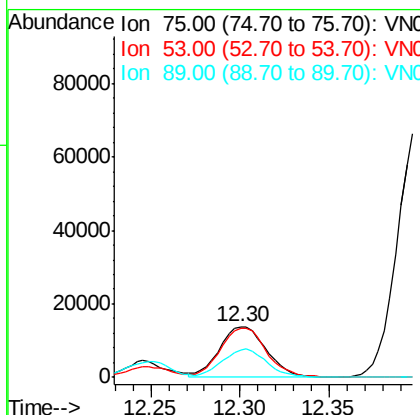
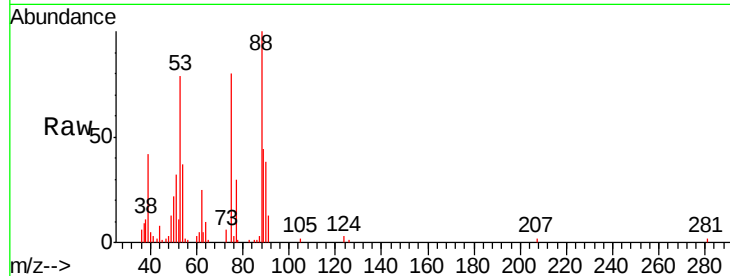
#77
t-1,4-Dichloro-2-butene
Concen: 14.45 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.8	46.3	138.9
89	54.7	24.6	73.8

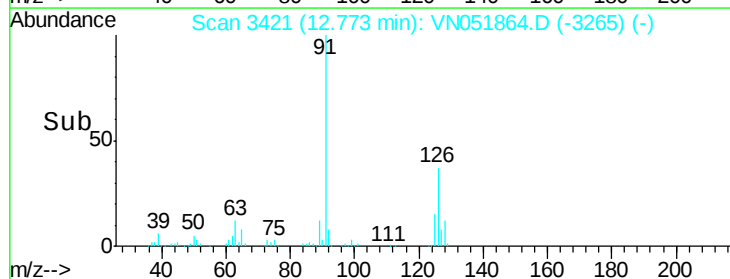
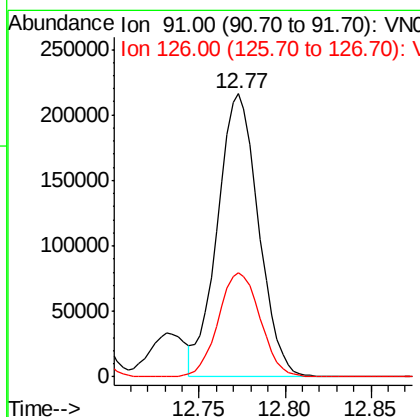
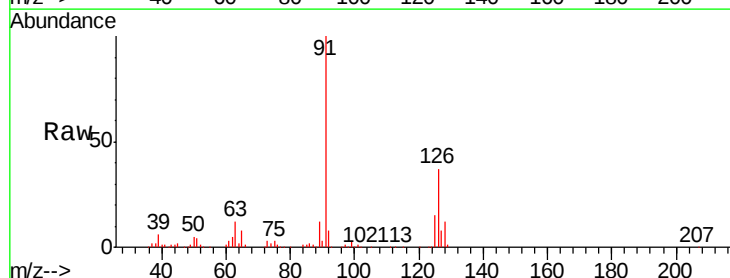
Manual Integrations
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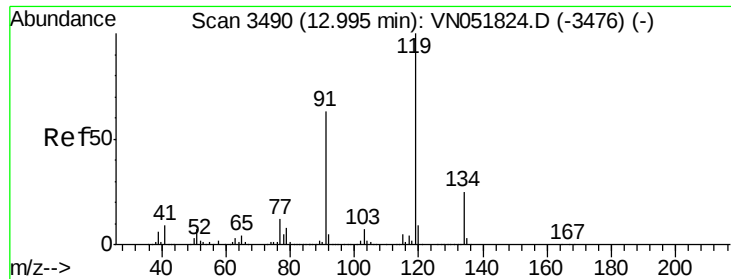
MMDadoda
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#78
4-Chlorotoluene
Concen: 16.98 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	0.0	65.2





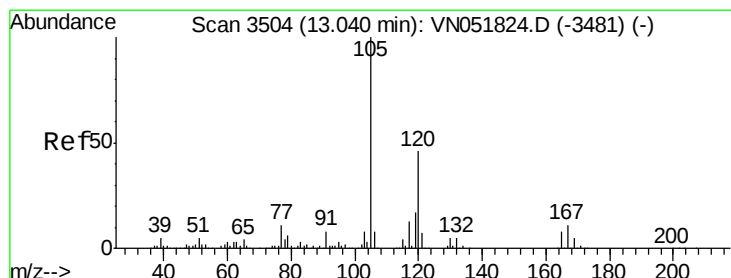
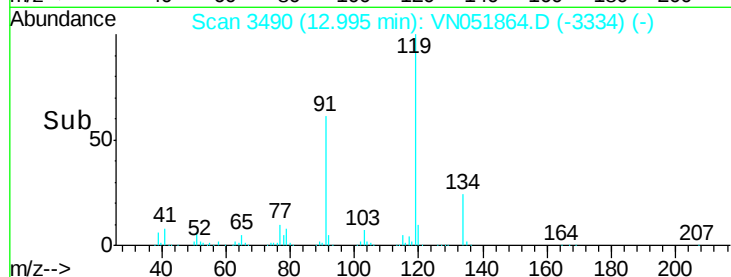
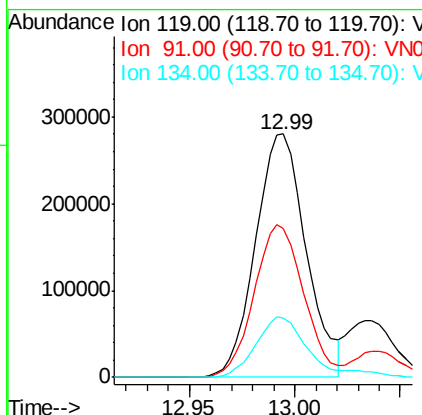
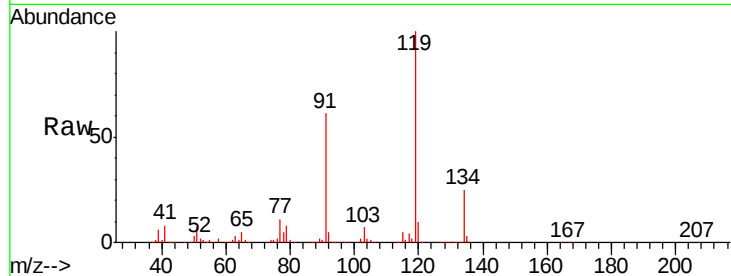
#79
tert-butylbenzene
Concen: 18.03 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	469344		
91	61.2	0.0	131.6	
134	24.4	0.0	46.2	

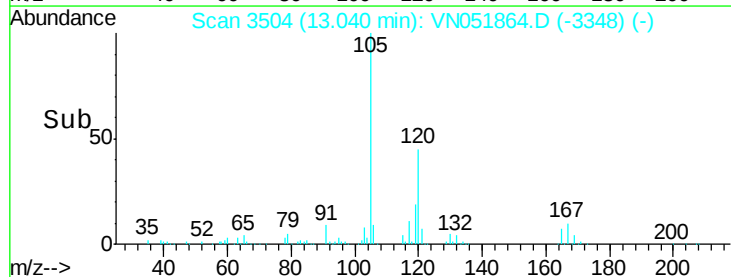
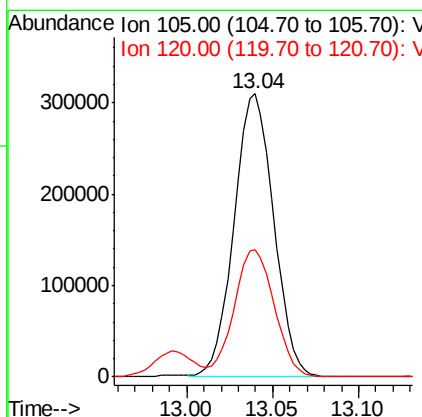
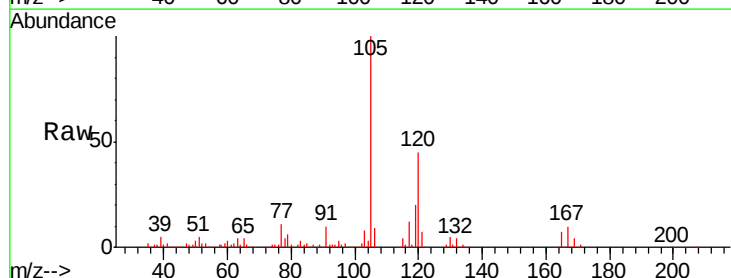
Manual Integrations
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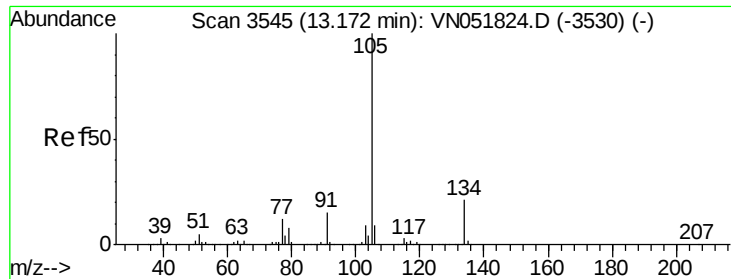
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#80
1,2,4-Trimethylbenzene
Concen: 17.64 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	499033		
120	45.6	0.0	89.6	





#81

sec-Butylbenzene

Concen: 17.61 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

Tgt Ion:105 Resp: 599500

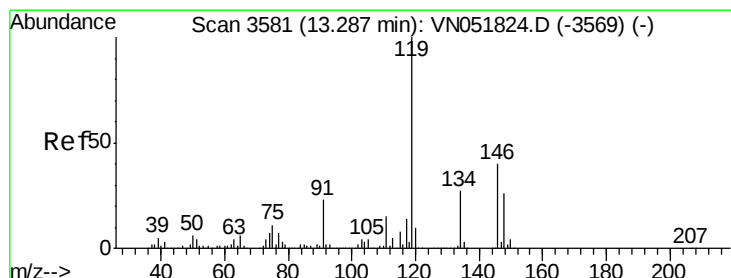
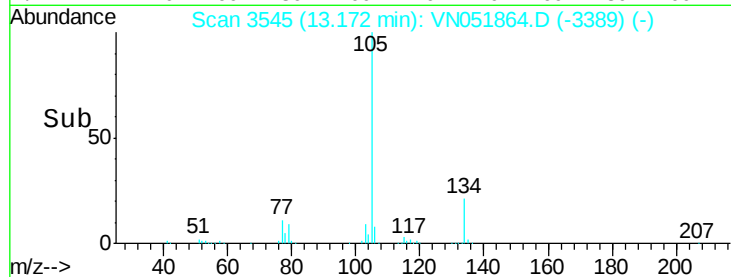
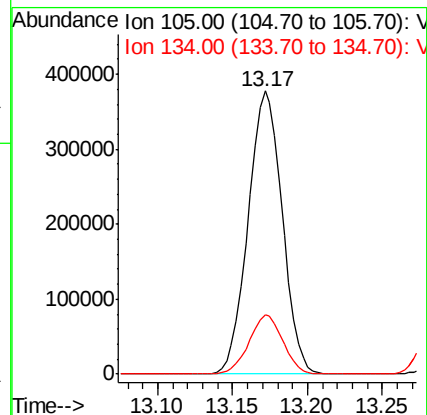
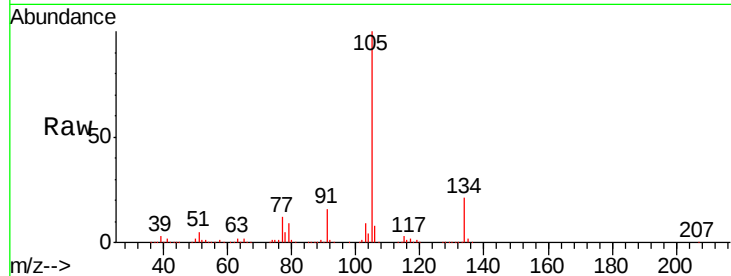
Ion Ratio Lower Upper

105 100

134 20.7 0.0 39.4

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#82

p-Isopropyltoluene

Concen: 16.93 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

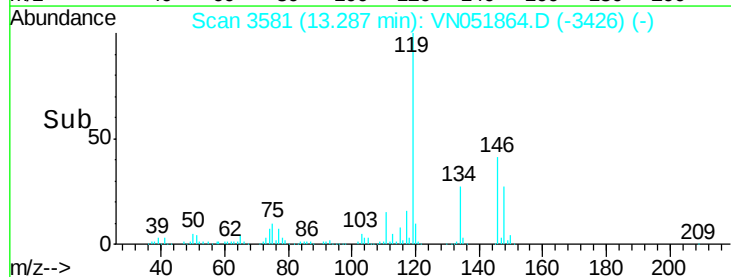
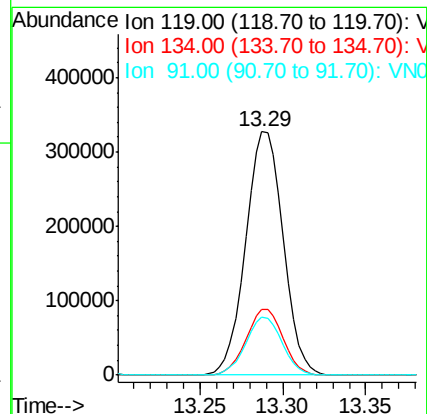
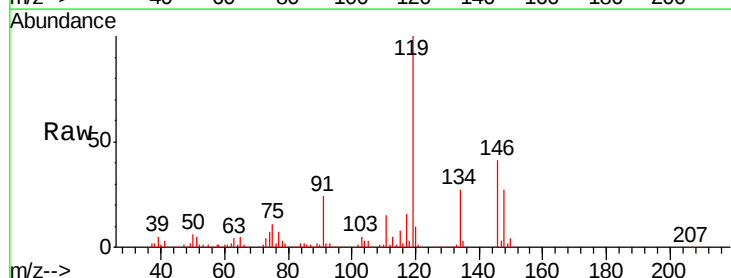
Tgt Ion:119 Resp: 515800

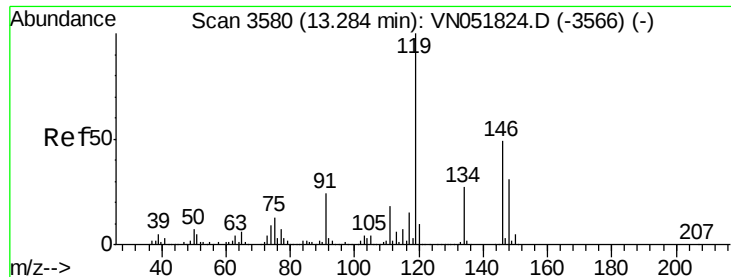
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.6

91 23.2 0.0 52.0





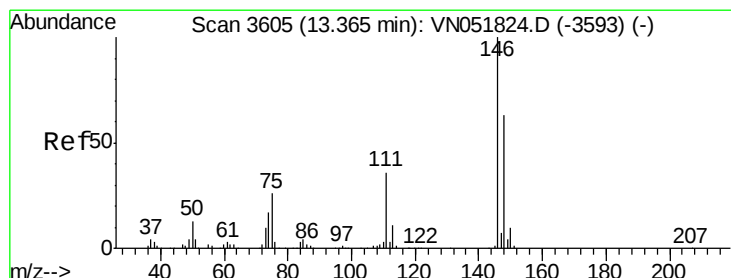
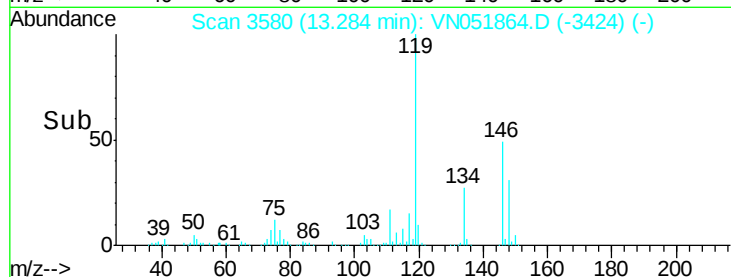
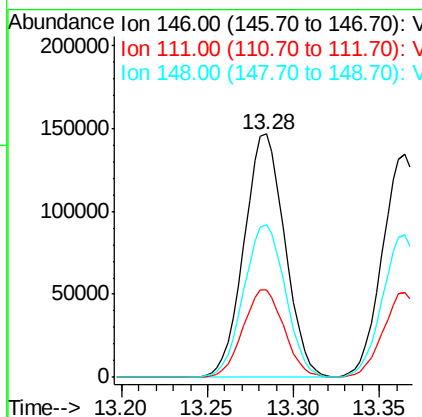
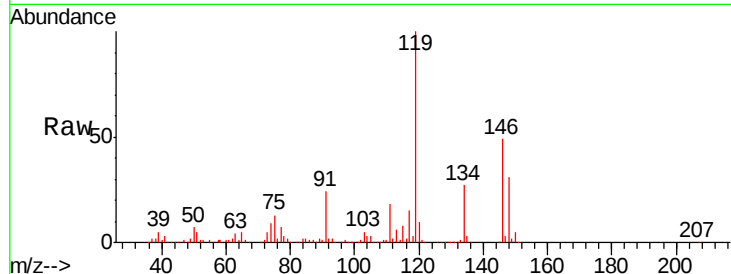
#83
 1,3-Dichlorobenzene
 Concen: 16.20 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.3
148	64.0	31.3	93.8

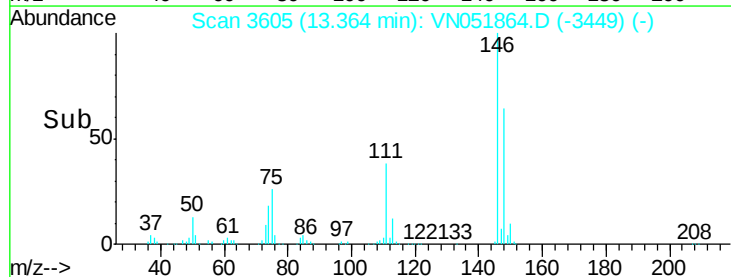
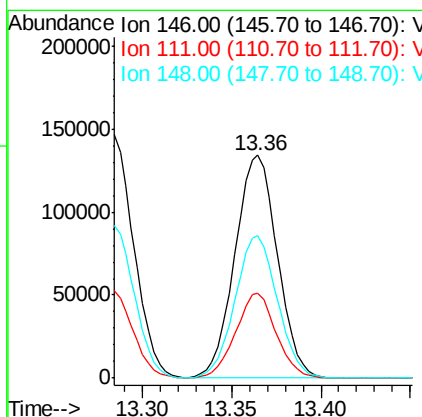
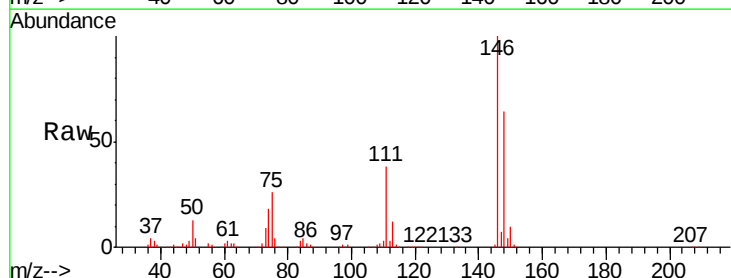
Manual Integrations
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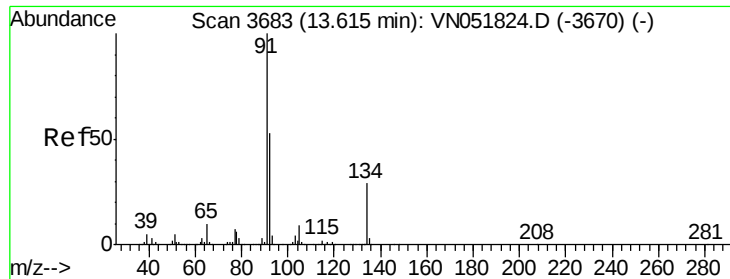
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#84
 1,4-Dichlorobenzene
 Concen: 15.82 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.4	52.2
148	63.8	32.8	98.3





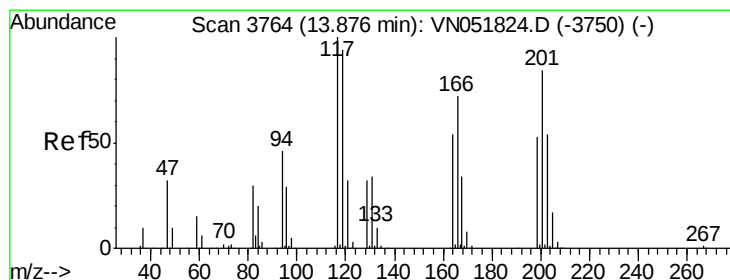
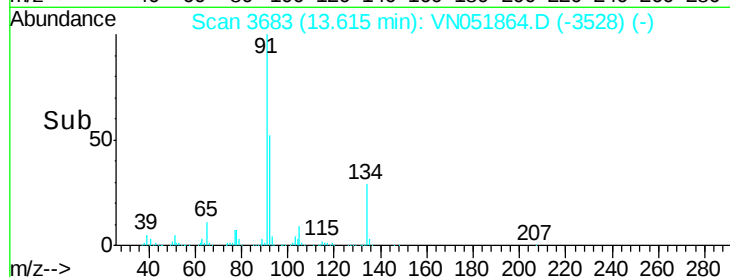
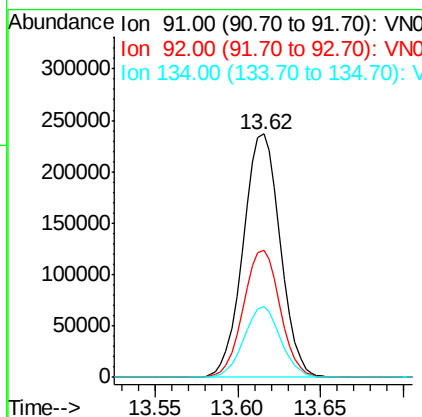
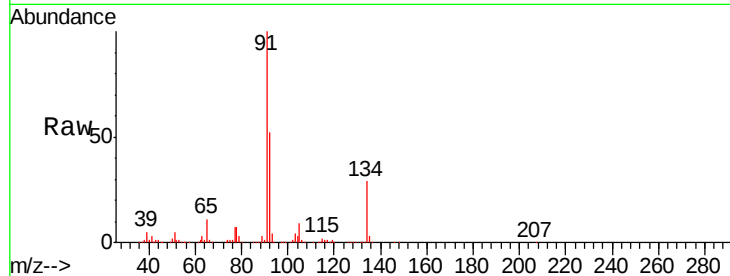
#85
n-Butylbenzene
Concen: 16.04 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	97.4
134	28.5	0.0	49.6

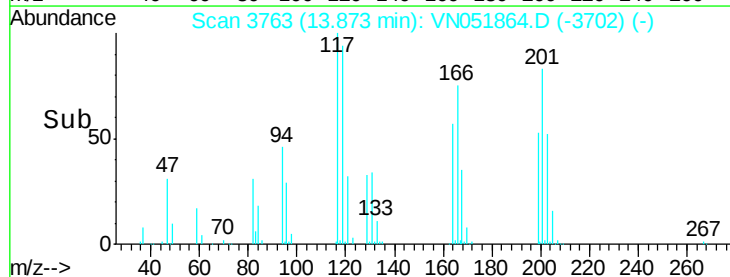
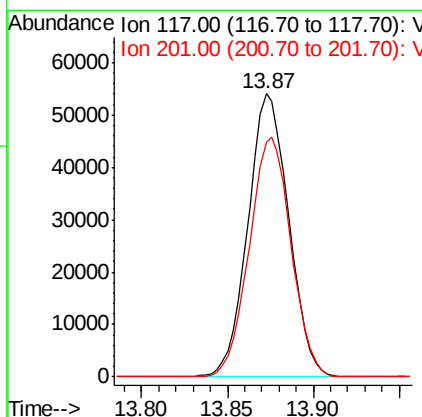
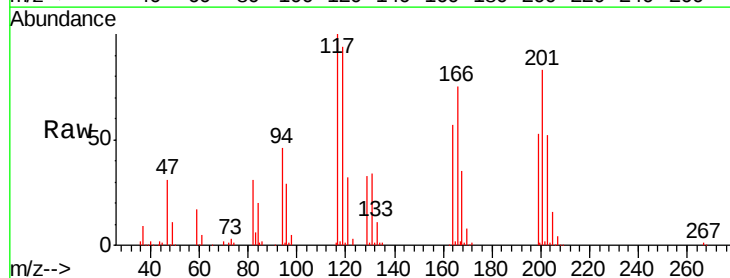
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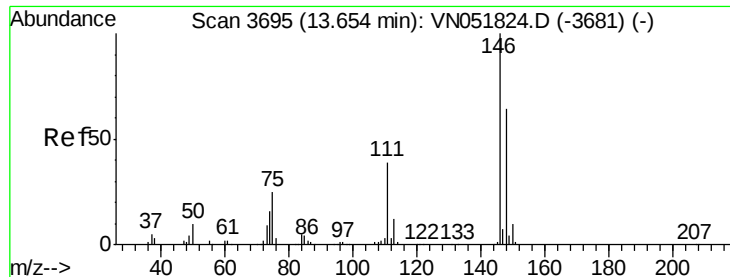
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#86
Hexachloroethane
Concen: 16.98 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 16.85 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Instrument :

MSVOA_N

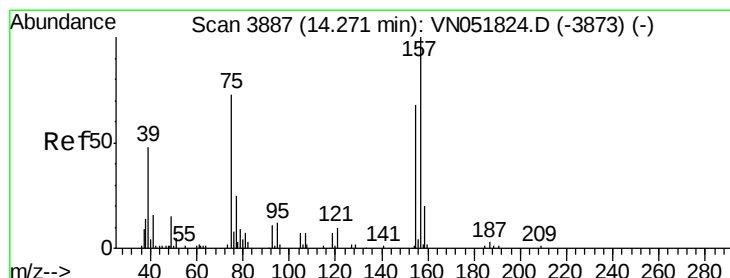
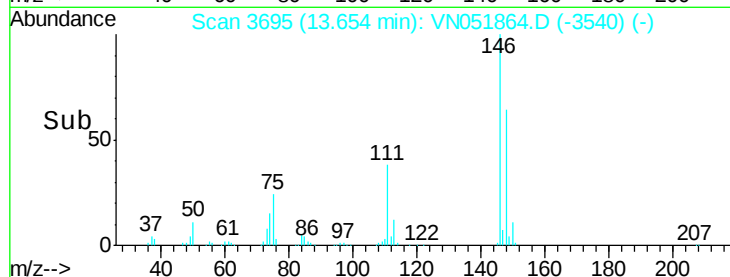
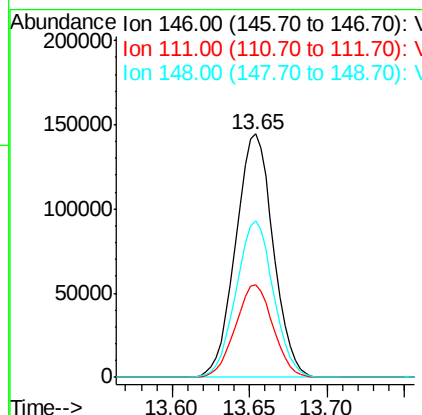
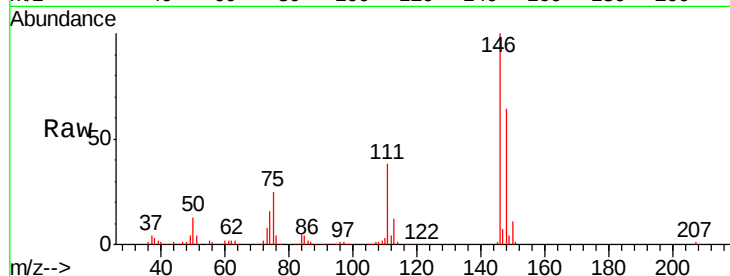
ClientSampleId :

VN1015WBS01

Tgt Ion:	146	Resp:	244018
Ion Ratio		Lower	Upper
146	100		
111	37.9	20.8	62.2
148	63.9	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.26 ug/l

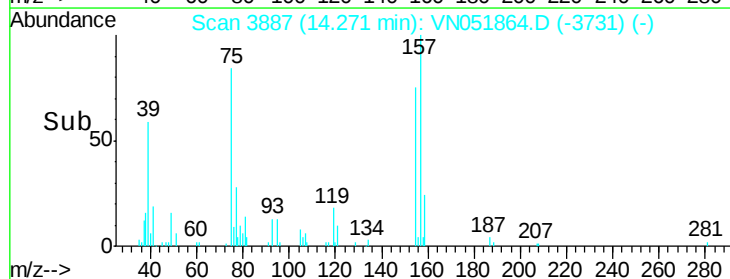
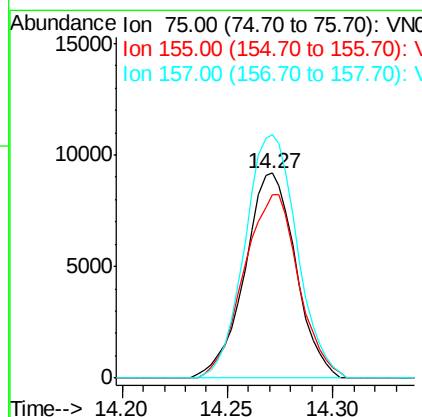
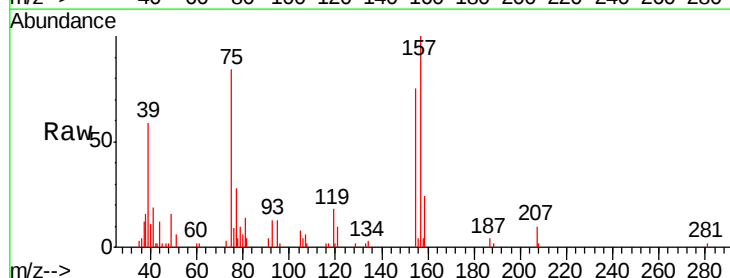
RT: 14.27 min Scan# 3887

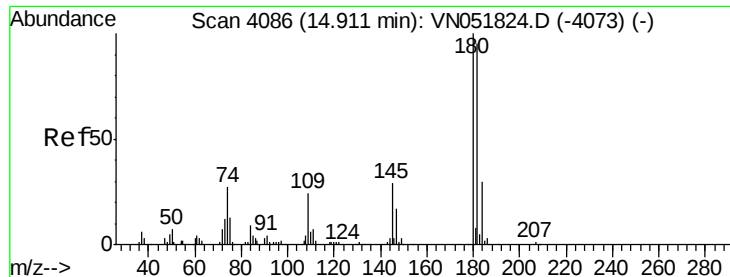
Delta R.T. -0.00 min

Lab File: VN051864.D

Acq: 15 Oct 2018 10:39

Tgt Ion:	75	Resp:	15406
Ion Ratio		Lower	Upper
75	100		
155	96.2	57.0	85.6#
157	121.8	87.4	131.0





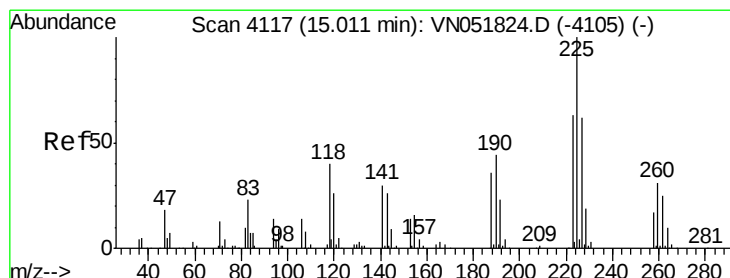
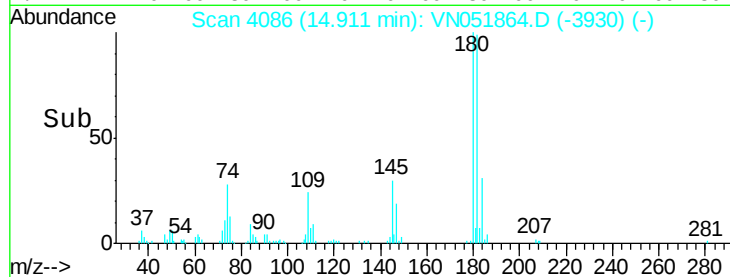
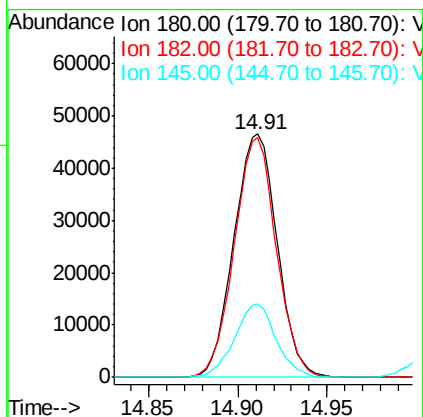
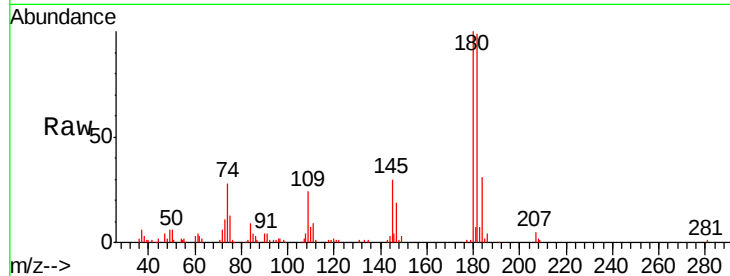
#89
 1,2,4-Trichlorobenzene
 Concen: 15.98 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.7	116.5
145	29.0	23.4	35.2

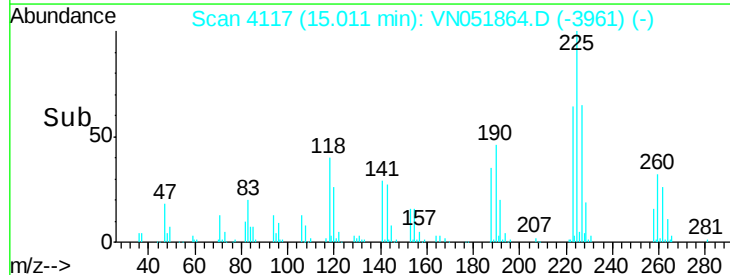
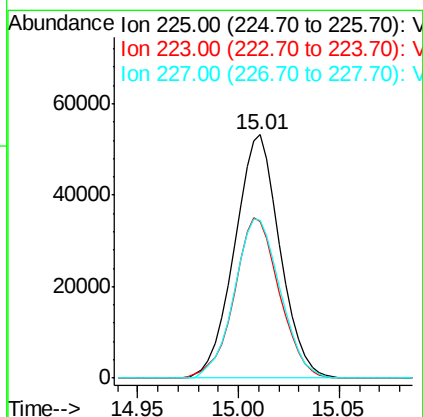
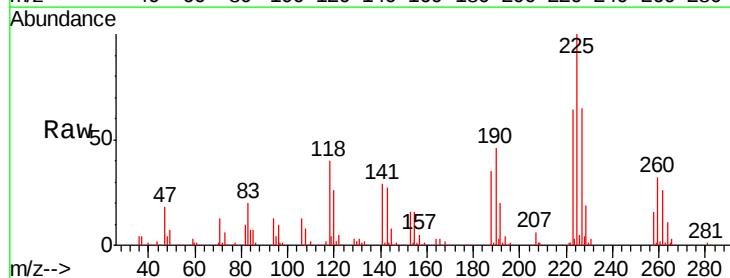
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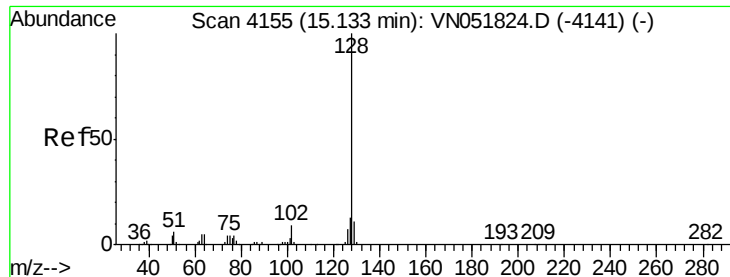
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#90
 Hexachlorobutadiene
 Concen: 17.92 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051864.D
 Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	0.0	117.0
227	66.6	0.0	127.0





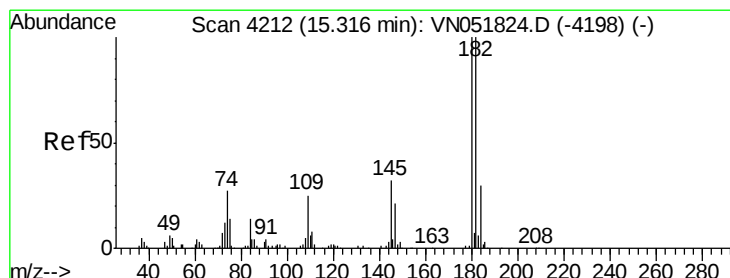
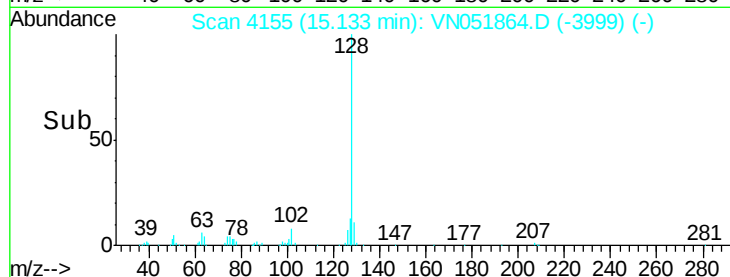
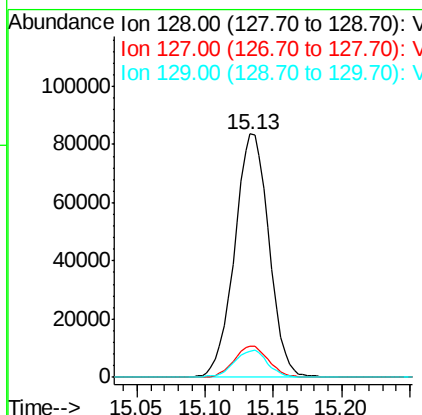
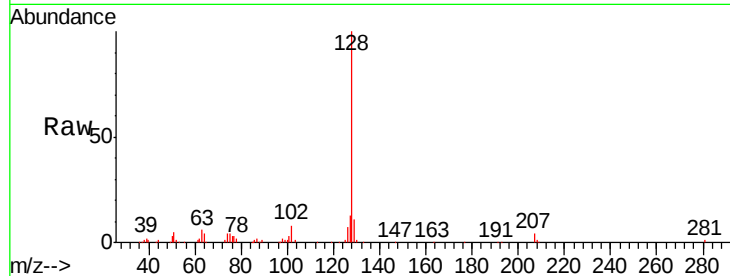
#91
Naphthalene
Concen: 15.92 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 13.46 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051864.D
Acq: 15 Oct 2018 10:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	0.0	198.0
145	31.4	0.0	36.8

