

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051482.D
 Acq On : 25 Sep 2018 14:02
 Operator : MD\SY
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70136	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	386494	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328500	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	154231	31.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.50%
60) 4-Bromofluorobenzene	12.40	95	141736	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	10.09	98	485968	30.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	46311	15.417	ug/l 98
3) Chloromethane	2.06	50	90011	17.428	ug/l 98
4) Vinyl Chloride	2.18	62	93345	16.938	ug/l 98
5) Bromomethane	2.57	94	75955	21.088	ug/l 92
6) Chloroethane	2.71	64	58950	17.354	ug/l 99
7) Trichlorofluoromethane	3.01	101	127270	17.792	ug/l 97
8) Diethyl Ether	3.41	74	35019	16.283	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	66402	18.280	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	58675	17.733	ug/l 95
11) Methyl Iodide	3.95	142	73233	15.010	ug/l 95
12) Methyl Acetate	4.33	43	55047	18.929	ug/l # 87
13) Acrolein	3.61	56	35701	92.064	ug/l 90
14) Acrylonitrile	5.00	53	104962	88.851	ug/l # 45
15) Acetone	3.82	58	28122	96.657	ug/l 95
16) Carbon Disulfide	4.05	76	179311	17.086	ug/l 96
17) Allyl chloride	4.33	41	104341	17.864	ug/l 97
18) Methylene Chloride	4.55	84	75128	19.013	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	64590	18.033	ug/l 94
20) Diisopropyl ether	5.96	45	212693	18.339	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	131123	18.770	ug/l # 94
22) cis-1,2-Dichloroethene	6.83	96	71309	17.792	ug/l # 89
23) tert-Butyl Alcohol	4.80	59	20667	92.902	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	161507	17.922	ug/l # 60
25) Chloroform	7.38	83	131483	18.870	ug/l 94
26) Cyclohexane	7.65	56	101892	17.132	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	93714	17.221	ug/l 99
30) 2-Butanone	6.84	43	119961	85.340	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	105570	18.187	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	109737	17.664	ug/l 99
33) Carbon Tetrachloride	7.77	117	99572	17.467	ug/l 96
34) Benzene	8.04	78	287203	17.776	ug/l # 71
35) Methacrylonitrile	7.17	41	22757	11.234	ug/l 87
36) 1,2-Dichloroethane	8.13	62	91766	17.443	ug/l 100
37) Trichloroethene	8.84	130	73044	17.058	ug/l 97
38) Methylcyclohexane	9.08	83	99618	15.791	ug/l 95
39) 1,2-Dichloropropane	9.12	63	79024	17.980	ug/l 100
40) Dibromomethane	9.21	93	45104	18.030	ug/l 98

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 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
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MMDadoda
 10/1/2018 11:21:32 AM

Quant Time: Sep 26 02:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	94325	17.150	ug/l	94
42) Vinyl Acetate	5.90	43	660821	84.543	ug/l	99
43) Ethyl Acetate	6.93	43	52807	18.055	ug/l	99
44) Isopropyl Acetate	8.17	43	98135	17.446	ug/l	95
45) 1,4-Dioxane	9.20	88	11289	329.873	ug/l	95
46) Methyl methacrylate	9.20	41	43038	15.450	ug/l	94
47) n-amyl Acetate	12.07	43	65349m	14.538	ug/l	
48) t-1,3-Dichloropropene	10.38	75	87588	16.038	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	108132	17.105	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	61092	17.080	ug/l	94
51) Ethyl methacrylate	10.43	69	65544	15.484	ug/l	95
52) 1,3-Dichloropropane	10.71	76	105063	17.411	ug/l	96
53) Dibromochloromethane	10.90	129	69972	17.007	ug/l	100
54) 1,2-Dibromoethane	11.01	107	59116	17.129	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	144153	68.963	ug/l	99
56) Bromoform	12.13	173	47044	16.960	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	262625	90.970	ug/l	97
59) 2-Hexanone	10.75	43	160863	84.661	ug/l	98
61) Tetrachloroethene	10.63	164	68930	18.036	ug/l	97
62) Toluene	10.16	91	303437	18.044	ug/l	99
64) Chlorobenzene	11.43	112	179981	17.456	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	68508	17.186	ug/l	93
66) Ethyl Benzene	11.51	91	285757	16.471	ug/l	97
67) m/p-Xylenes	11.62	106	223649	33.486	ug/l	97
68) o-Xylene	11.95	106	109329	17.187	ug/l	94
69) Styrene	11.96	104	169338	16.852	ug/l	98
70) Isopropylbenzene	12.25	105	284668	16.721	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	74538	18.600	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	63165m	19.987	ug/l	
73) Bromobenzene	12.53	156	71651	16.700	ug/l	98
74) n-propylbenzene	12.59	91	314730	15.902	ug/l	99
75) 2-Chlorotoluene	12.68	91	198024	16.954	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	238958	17.011	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16626	15.255	ug/l	92
78) 4-Chlorotoluene	12.77	91	189942	16.396	ug/l	99
79) tert-butylbenzene	12.99	119	207550	16.970	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	241711	17.116	ug/l	98
81) sec-Butylbenzene	13.17	105	285079	16.944	ug/l	100
82) p-Isopropyltoluene	13.29	119	235835	16.238	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	133611	17.754	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	118067	16.705	ug/l	97
85) n-Butylbenzene	13.62	91	174317	14.618	ug/l	98
86) Hexachloroethane	13.87	117	49887	17.141	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	124487	17.449	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11429	19.323	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	64739	18.218	ug/l	99
90) Hexachlorobutadiene	15.01	225	59562	21.627	ug/l	95
91) Naphthalene	15.13	128	128024	19.093	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	46821	13.052	ug/l	91

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Manual Integrations
APPROVED

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QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

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

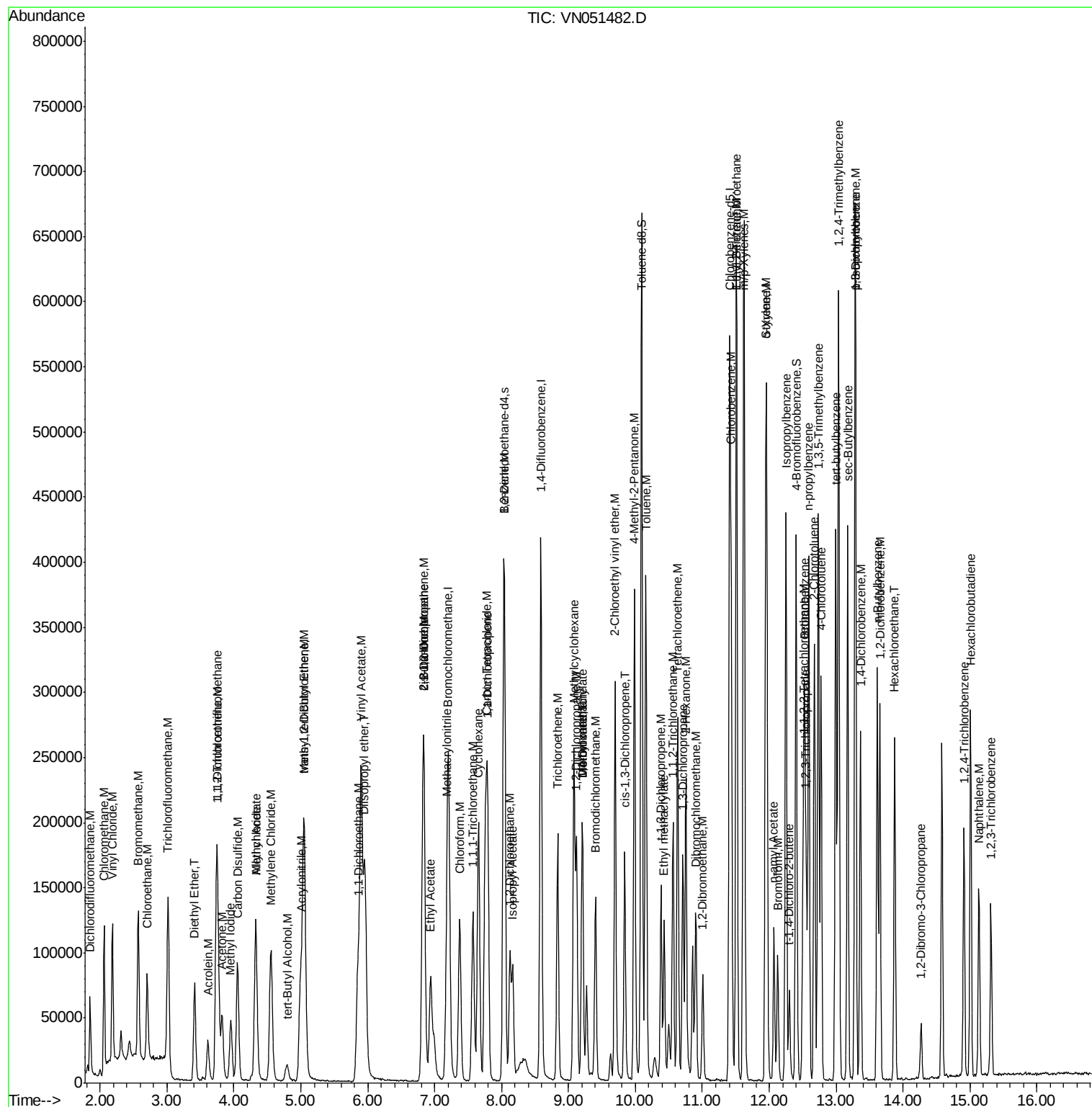
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051482.D
 Acq On : 25 Sep 2018 14:02
 Operator : MD\SY
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

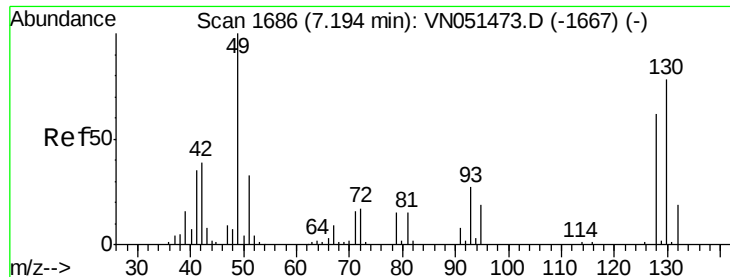
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
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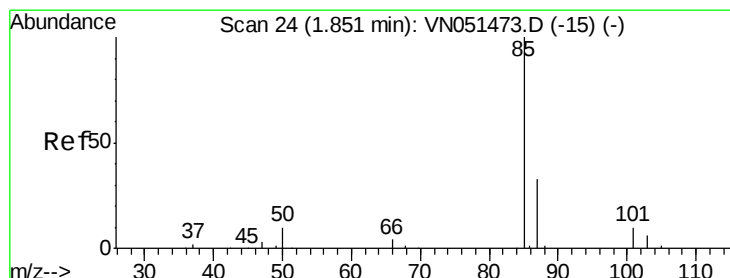
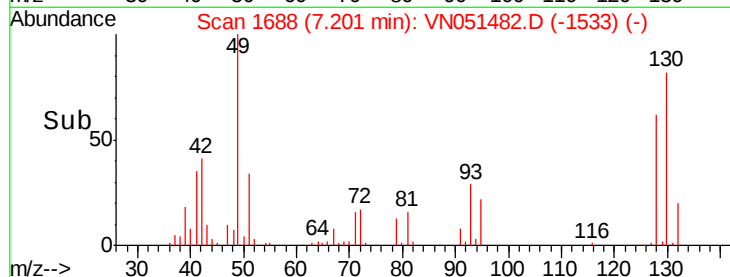
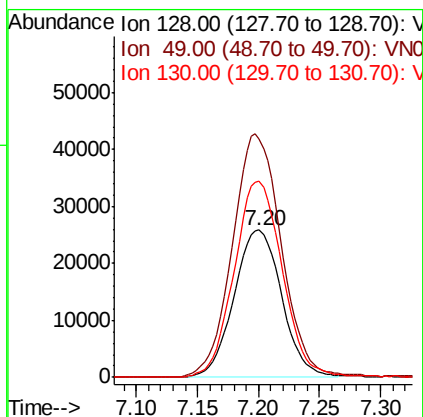
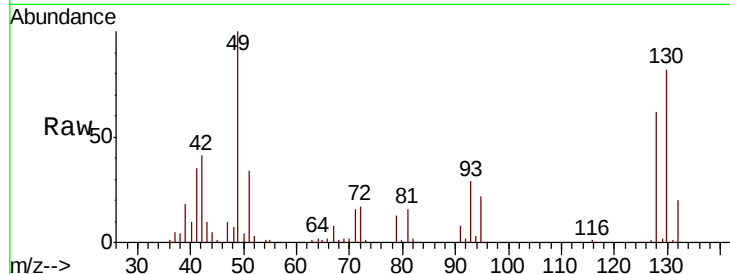
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	170.4	0.0	403.3
130	134.2	0.0	326.0

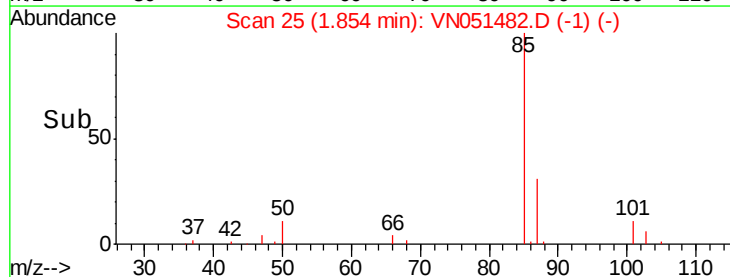
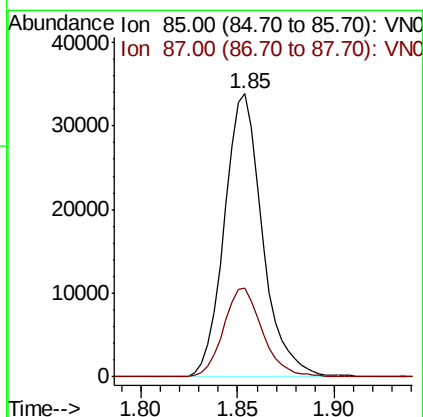
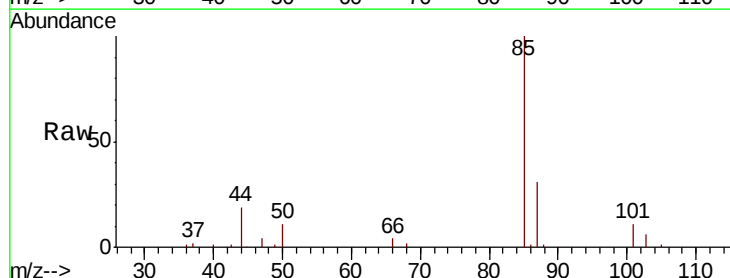
Manual Integrations
APPROVED

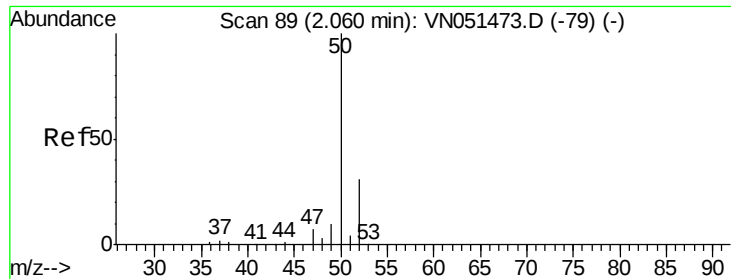
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#2
Dichlorodifluoromethane
Concen: 15.417 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.3	48.8





#3

Chloromethane

Concen: 17.428 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

Tot Ion: 50 Resp: 90011

Ion Ratio Lower Upper

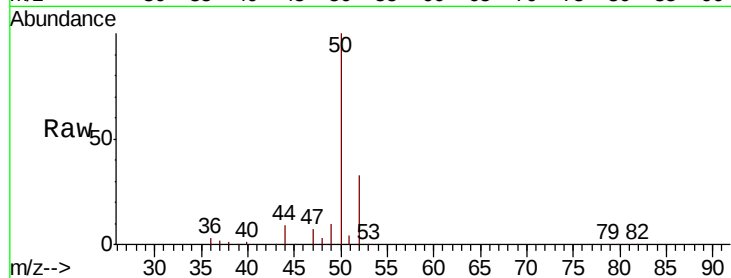
50 100

52 32.6 27.2 40.8

Manual Integrations
APPROVED

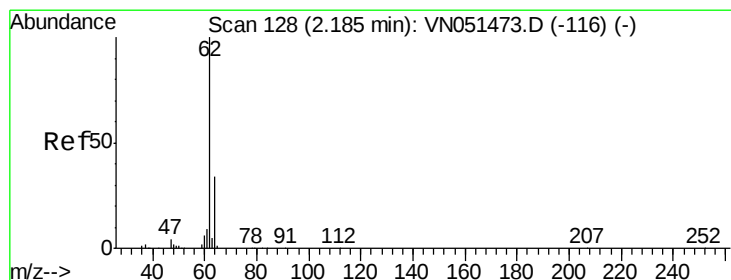
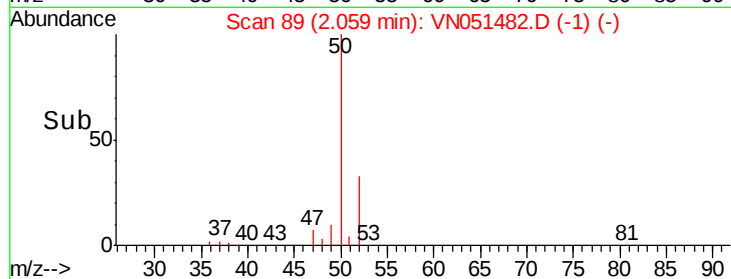
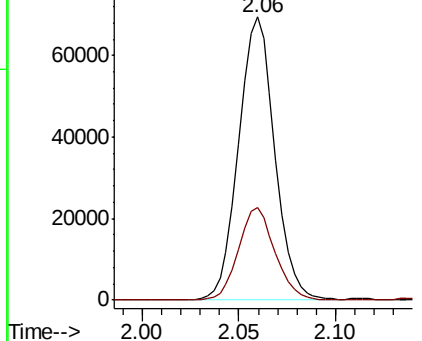
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 16.938 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051482.D

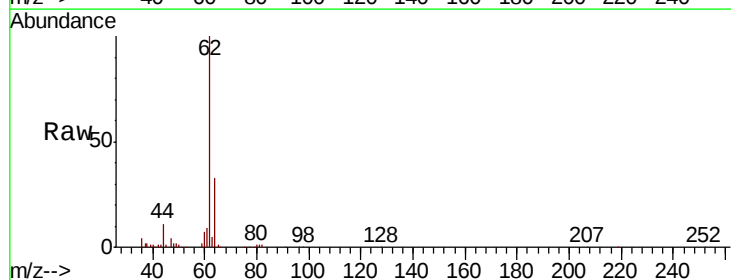
Acq: 25 Sep 2018 14:02

Tgt Ion: 62 Resp: 93345

Ion Ratio Lower Upper

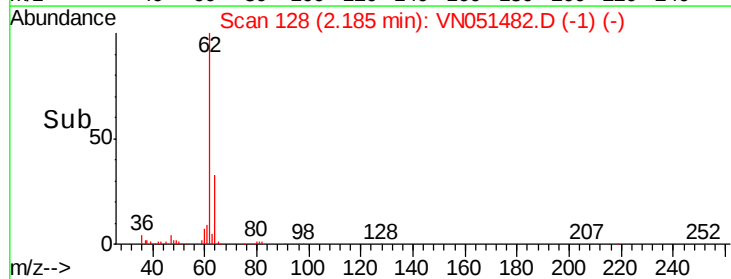
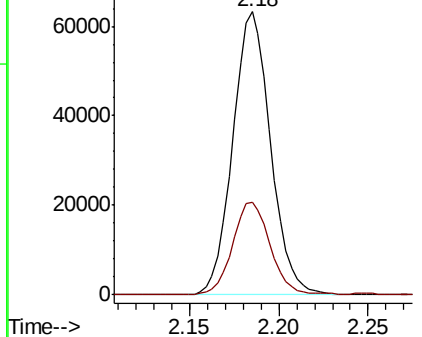
62 100

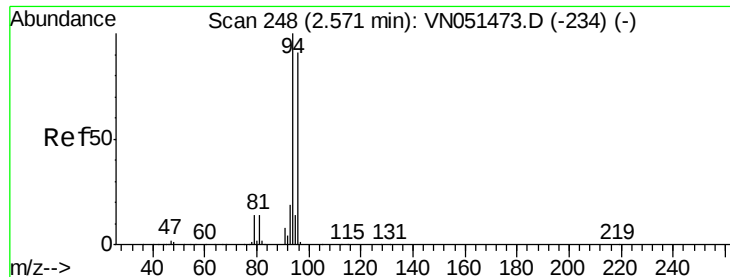
64 32.9 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.088 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 94 Resp: 75955

Ion Ratio Lower Upper

94 100

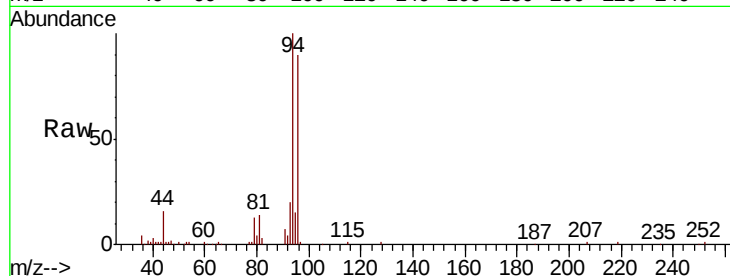
96 89.9 66.4 99.6

Manual Integrations

APPROVED

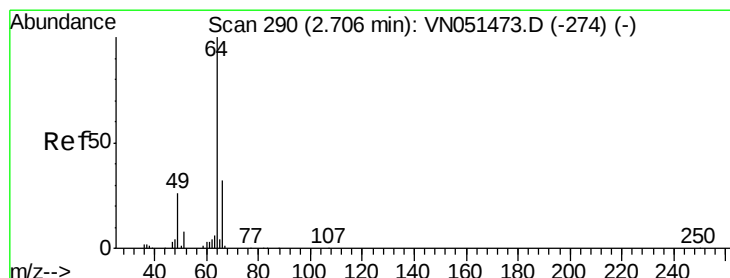
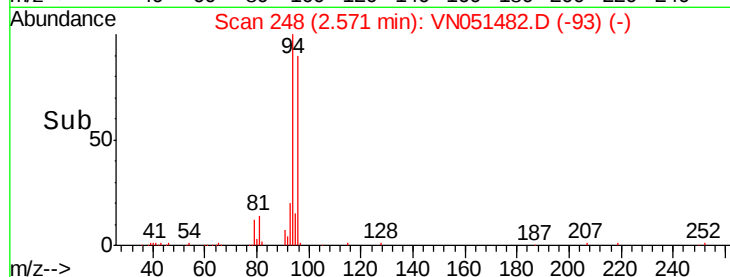
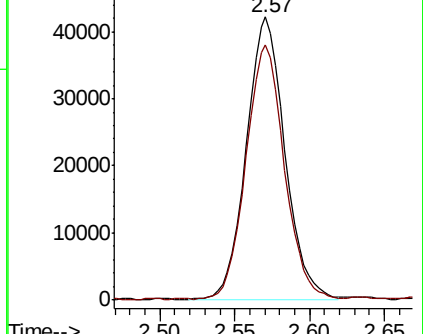
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.354 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051482.D

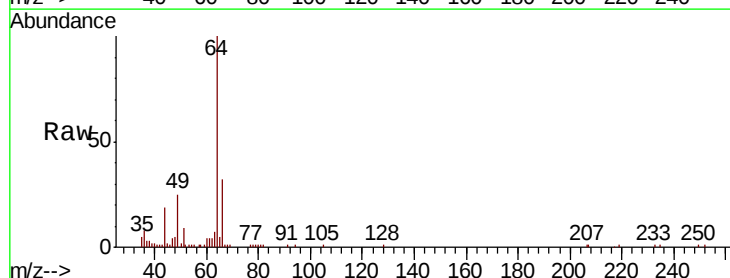
Acq: 25 Sep 2018 14:02

Tgt Ion: 64 Resp: 58950

Ion Ratio Lower Upper

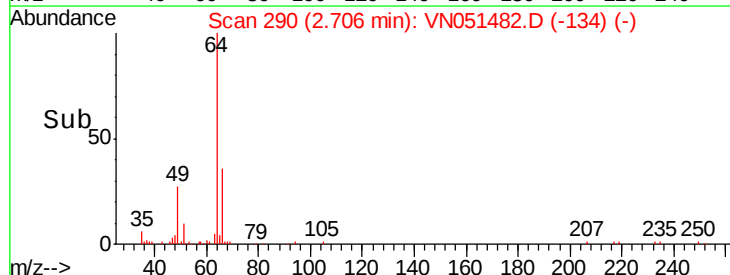
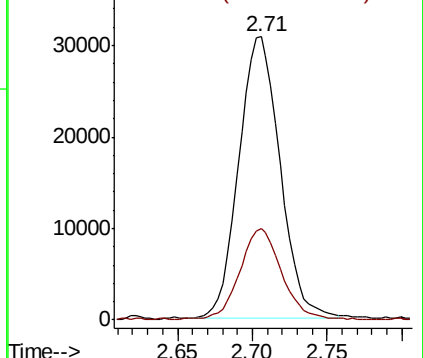
64 100

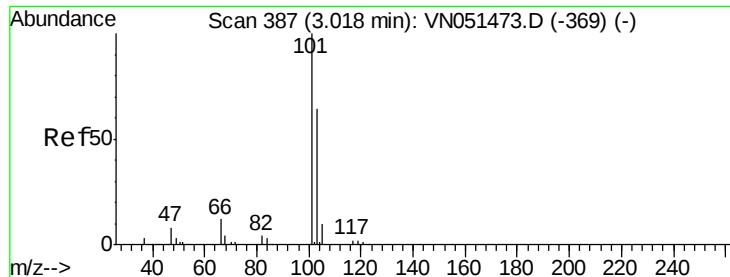
66 31.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

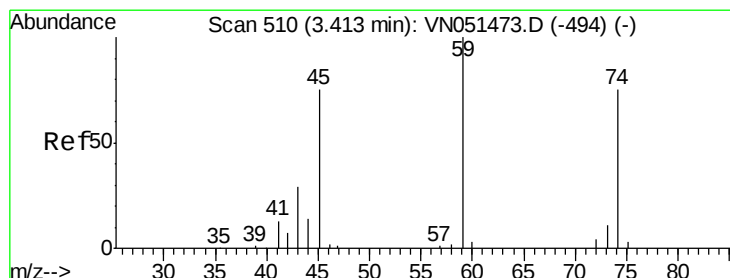
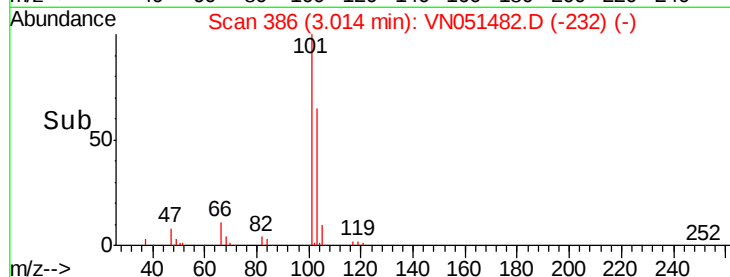
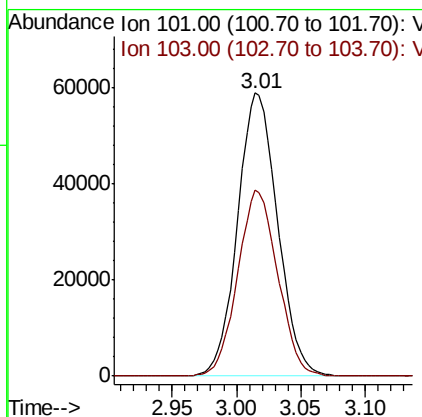
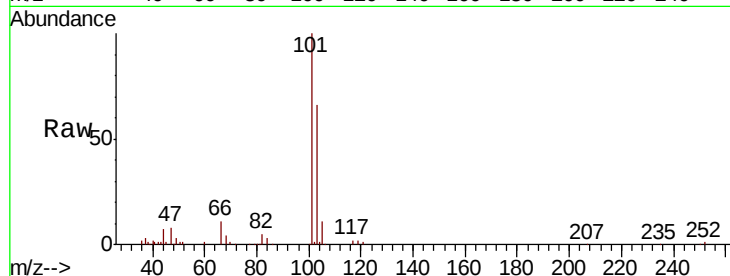
Trichlorofluoromethane
Concen: 17.792 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		127270		
103	65.7	54.8	82.2		

Manual Integrations
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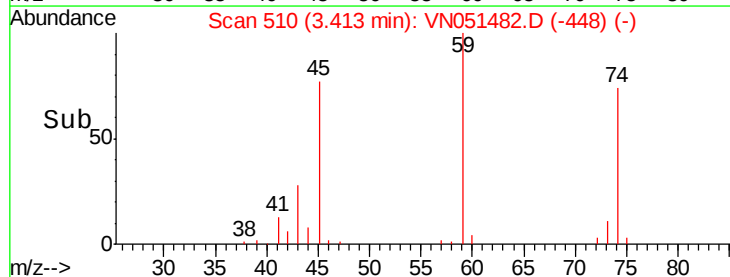
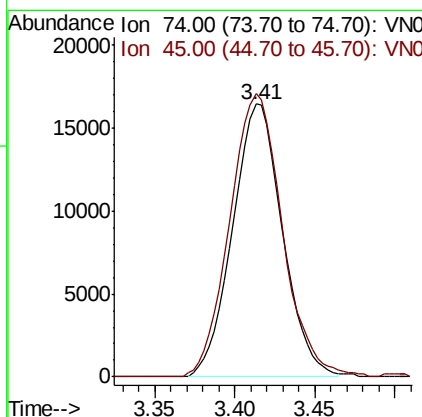
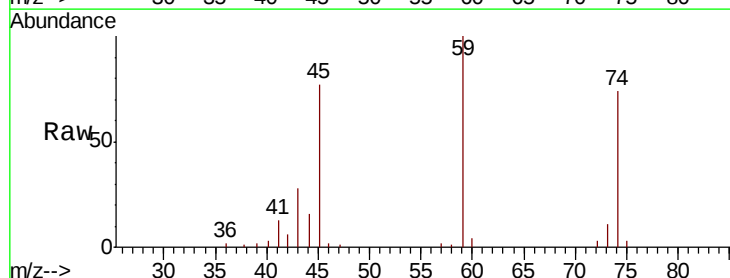
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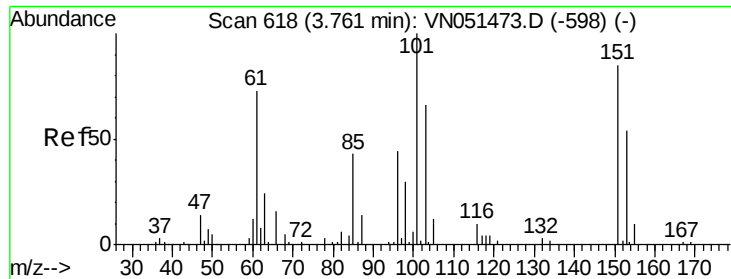


#8

Diethyl Ether
Concen: 16.283 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35019		
45	109.8	20.7	186.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.280 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051482.D

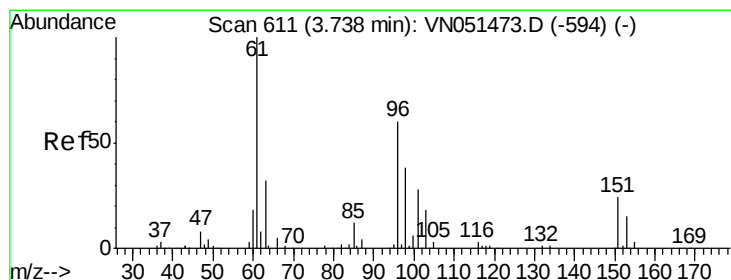
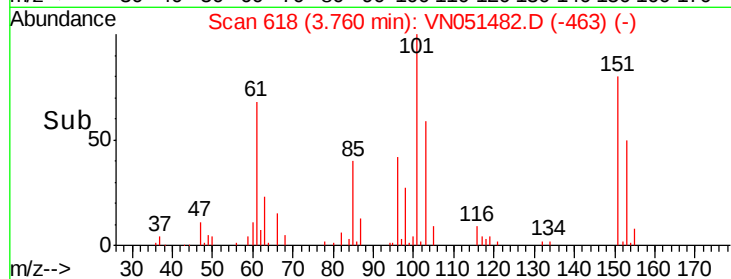
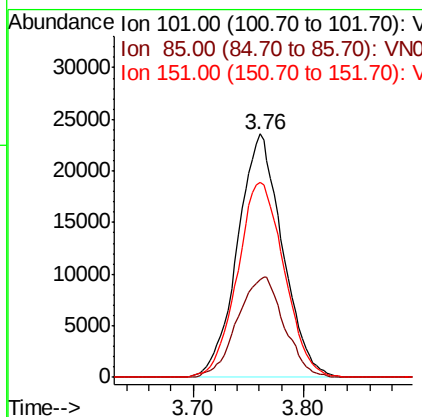
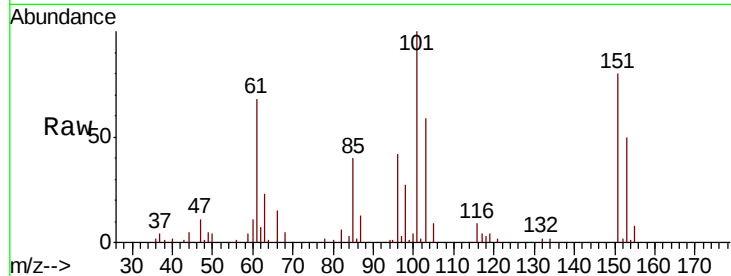
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.9	0.0	46.0
151	83.4	0.0	82.2#

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#10

1,1-Dichloroethene

Concen: 17.733 ug/l

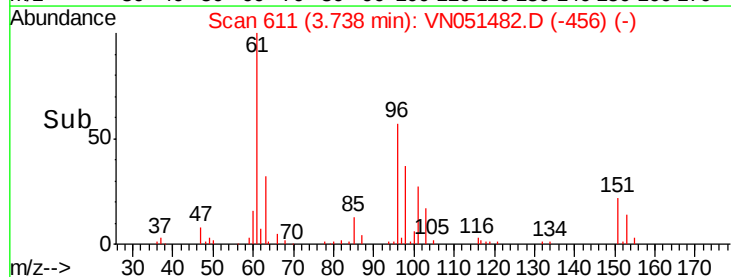
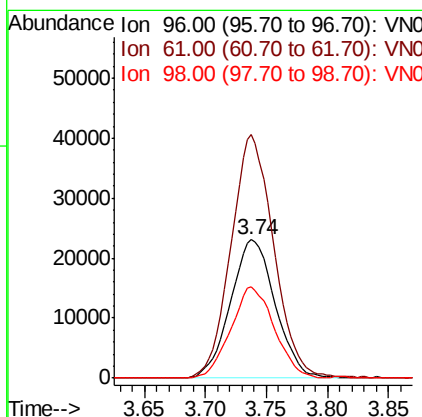
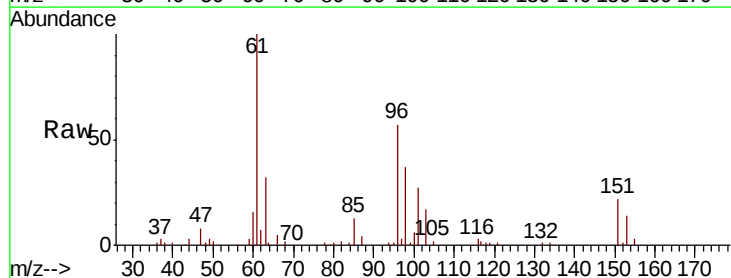
RT: 3.74 min Scan# 611

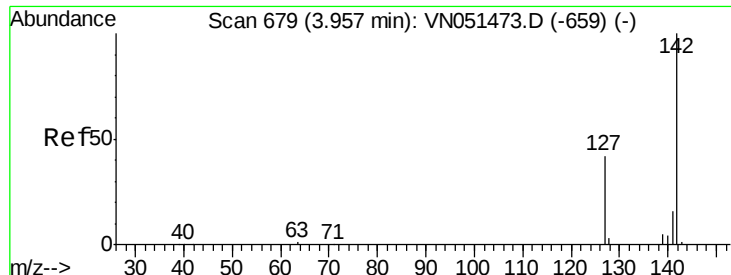
Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	175.4	133.0	199.6
98	65.7	52.6	78.8





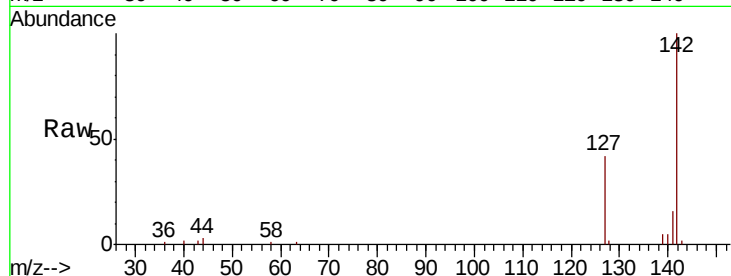
#11
Methyl Iodide
Concen: 15.010 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

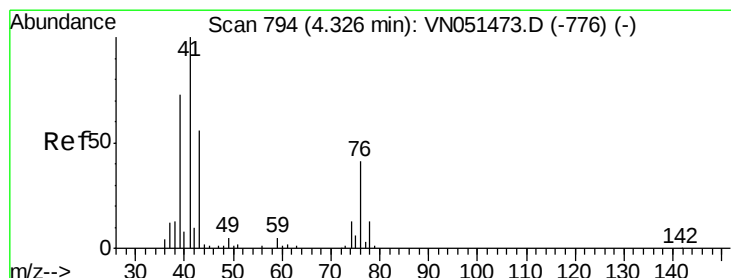
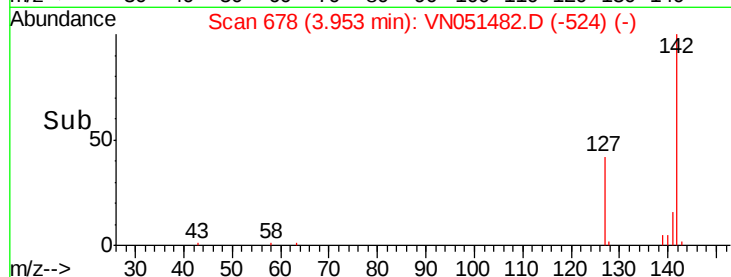
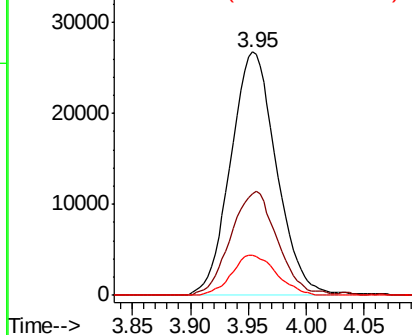
Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	19.7	59.0
141	16.4	6.3	18.9

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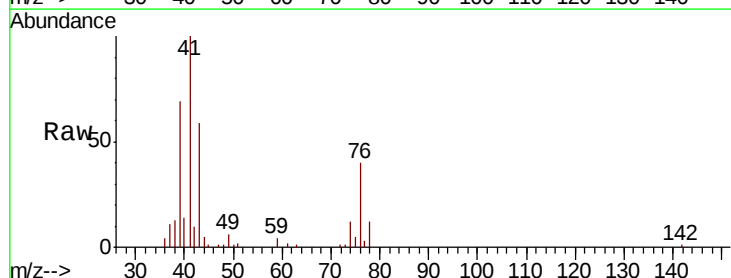


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

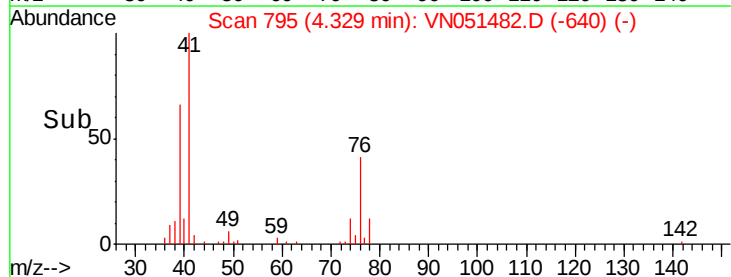
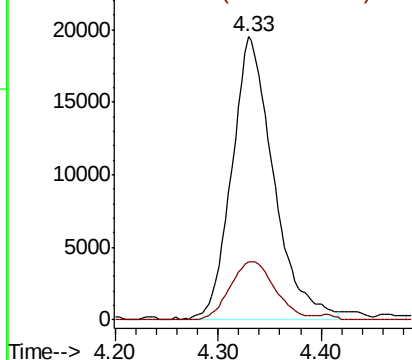


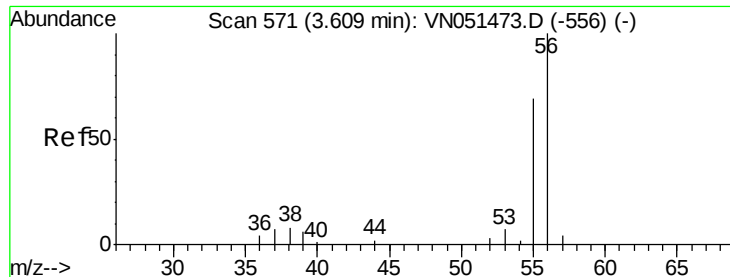
#12
Methyl Acetate
Concen: 18.929 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	21.8	32.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 92.064 ug/l

RT: 3.61 min Scan# 572

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 56 Resp: 35701

Ion Ratio Lower Upper

56 100

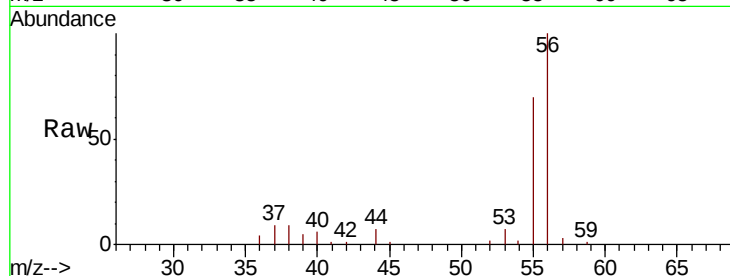
55 71.6 64.0 96.0

Manual Integrations

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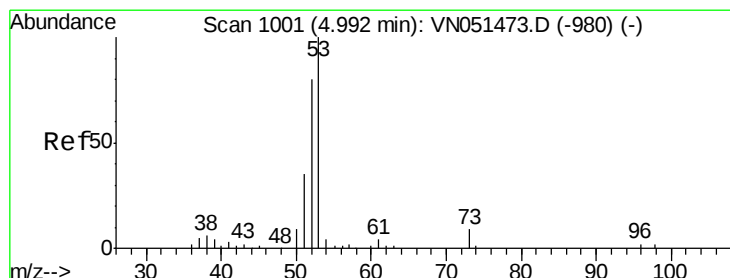
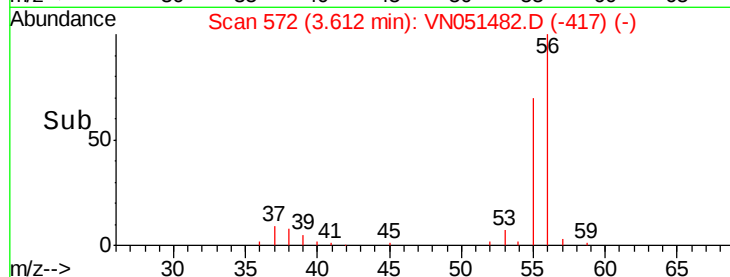
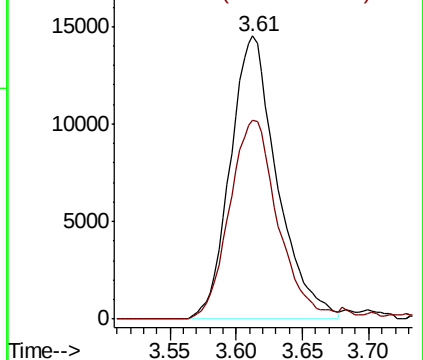
MMDadoda

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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: 88.851 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

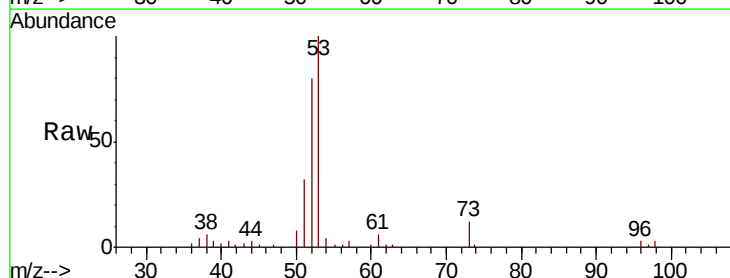
Tgt Ion: 53 Resp: 104962

Ion Ratio Lower Upper

53 100

52 81.0 18.3 54.8#

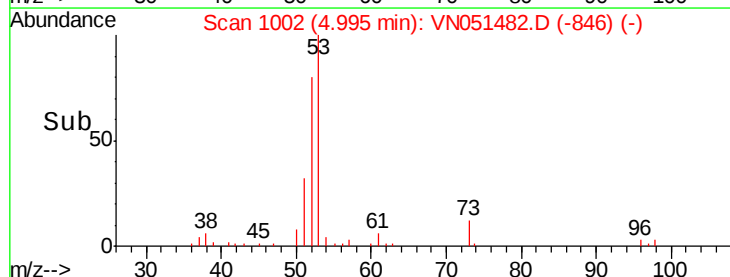
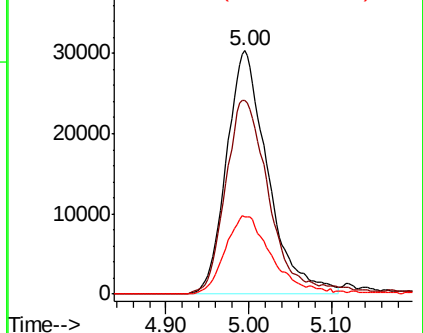
51 17.5 19.7 59.1#

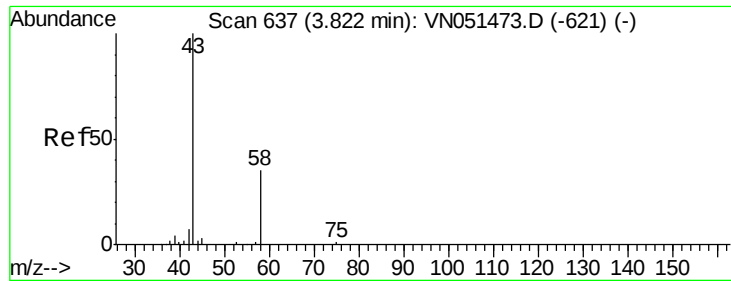


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 96.657 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tot Ion: 58 Resp: 28122

Ion Ratio Lower Upper

58 100

43 281.3 232.2 348.2

Instrument :

MSVOA_N

ClientSampled :

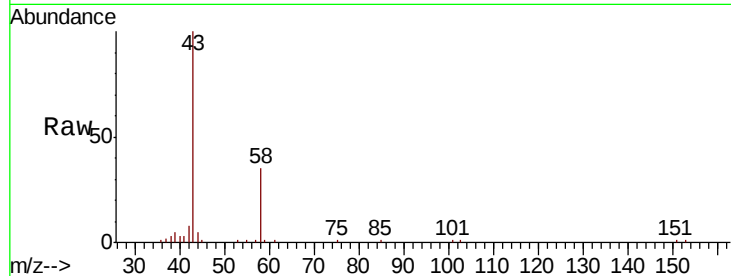
VN0925WBS01

Manual Integrations

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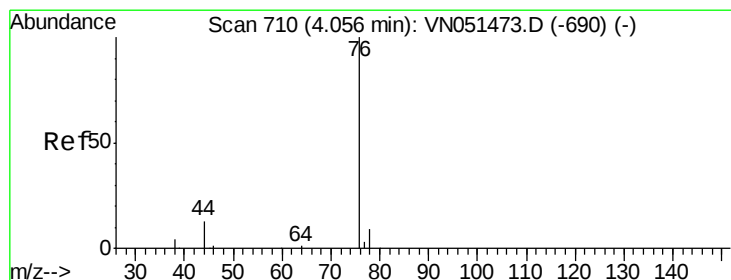
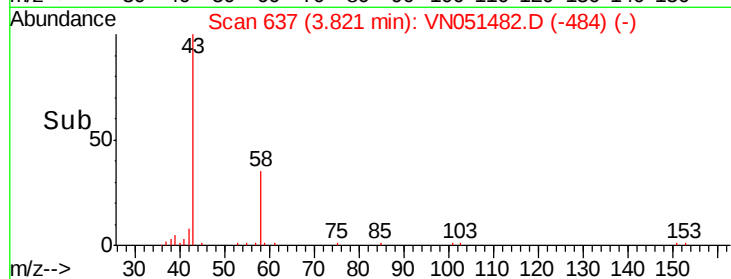
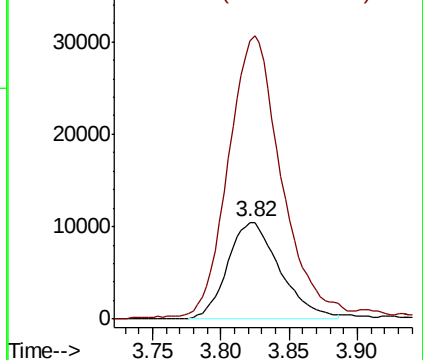
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.086 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051482.D

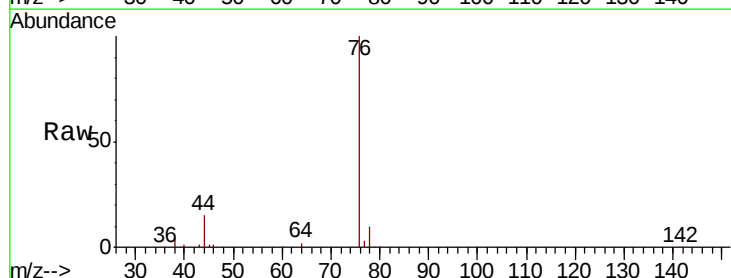
Acq: 25 Sep 2018 14:02

Tgt Ion: 76 Resp: 179311

Ion Ratio Lower Upper

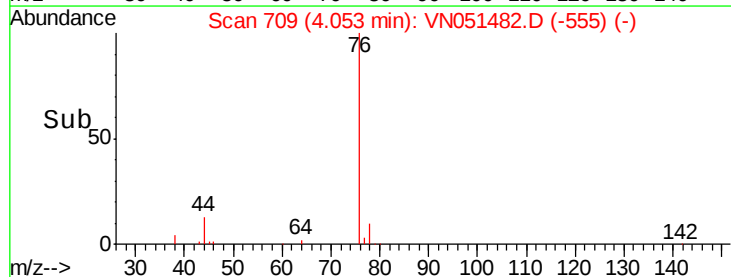
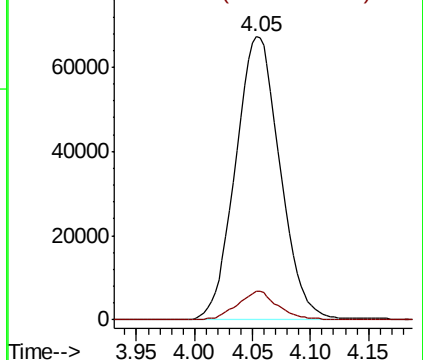
76 100

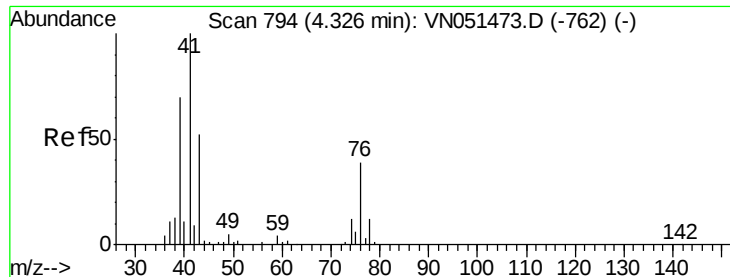
78 10.0 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





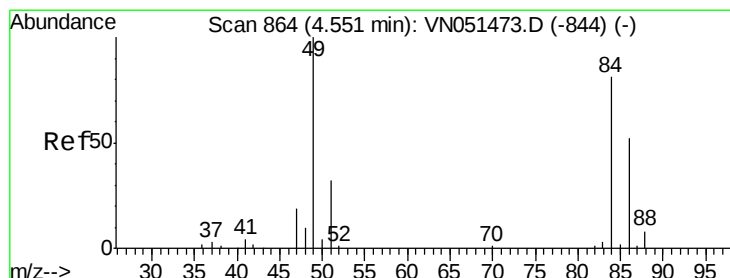
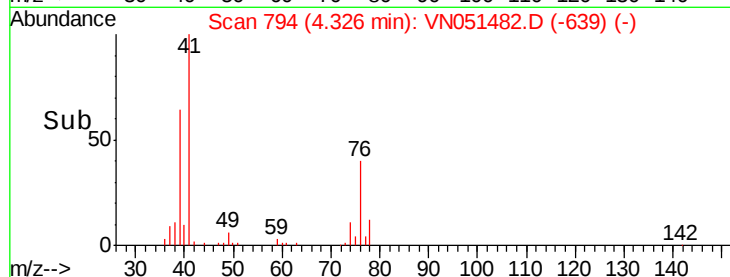
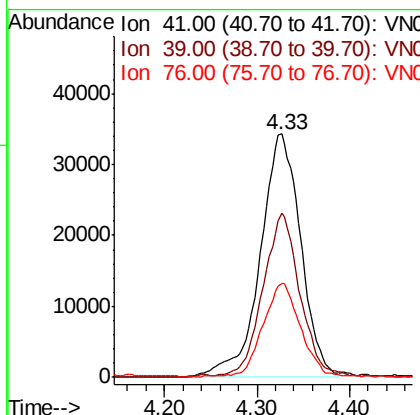
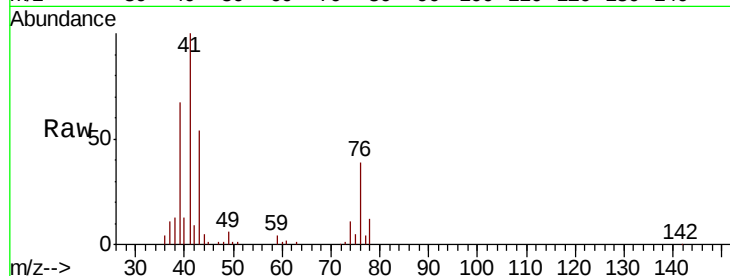
#17
Allvl chloride
Concen: 17.864 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion:	41	Resp:	104341
Ion	Ratio	Lower	Upper
41	100		
39	67.2	32.6	97.8
76	38.2	20.2	60.5

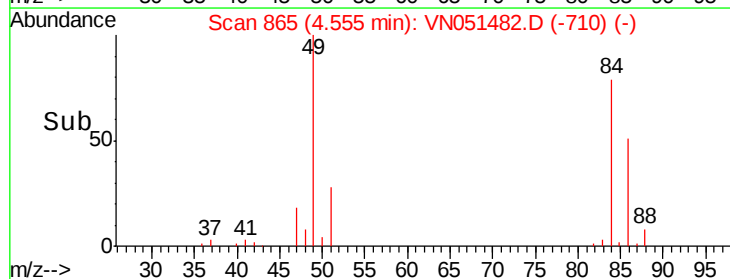
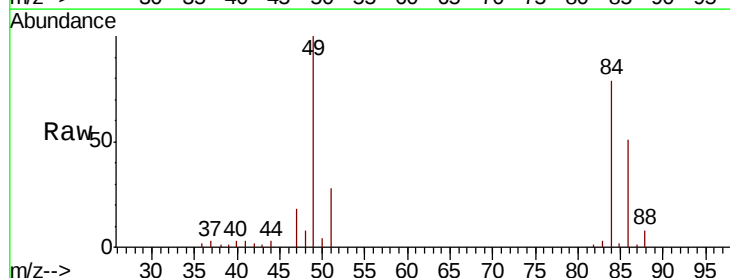
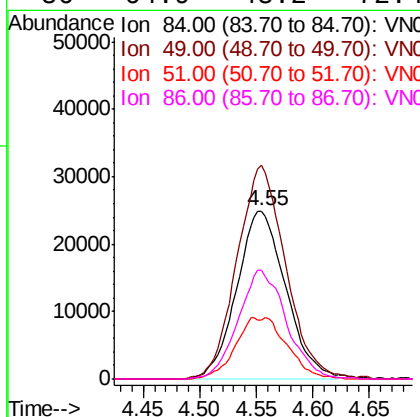
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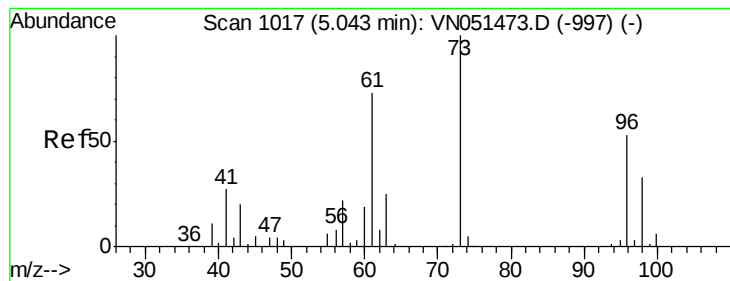
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#18
Methylene Chloride
Concen: 19.013 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:	84	Resp:	75128
Ion	Ratio	Lower	Upper
84	100		
49	126.2	91.6	137.4
51	35.4	29.8	44.6
86	64.9	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 18.033 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 96 Resp: 64590

Ion Ratio Lower Upper

96 100

61 146.7 112.3 168.5

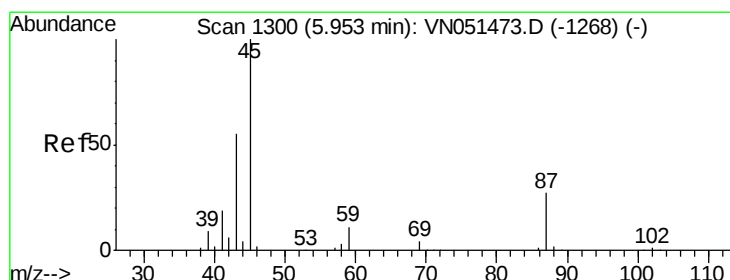
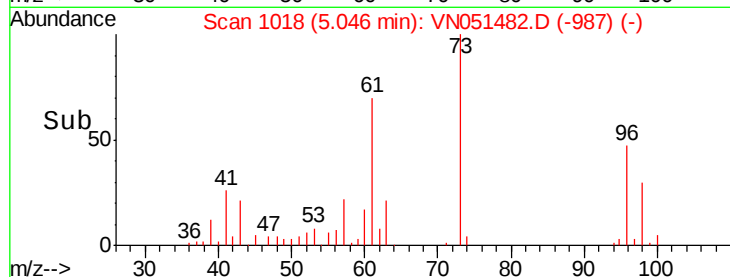
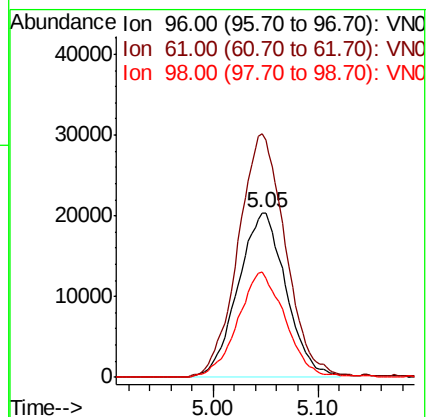
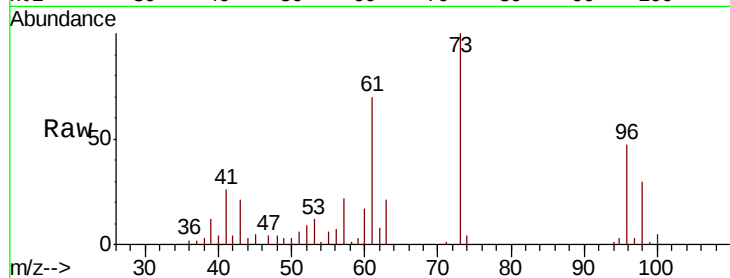
98 63.7 47.1 70.7

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#20

Diisopropyl ether

Concen: 18.339 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion: 45 Resp: 212693

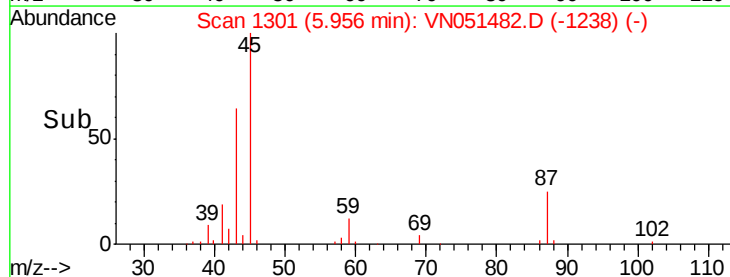
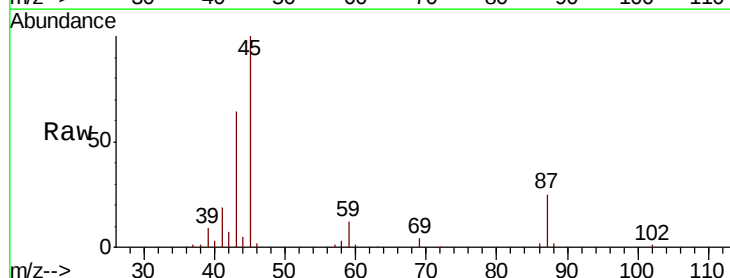
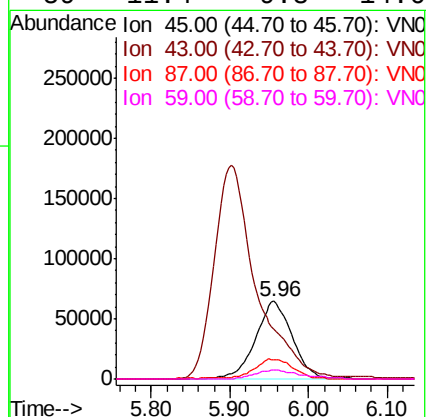
Ion Ratio Lower Upper

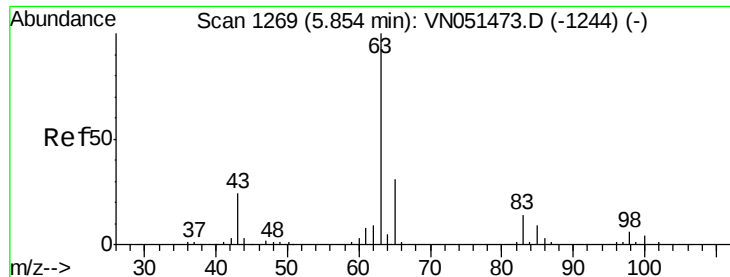
45 100

43 60.1 62.1 93.1#

87 24.7 19.9 29.9

59 11.4 9.8 14.6





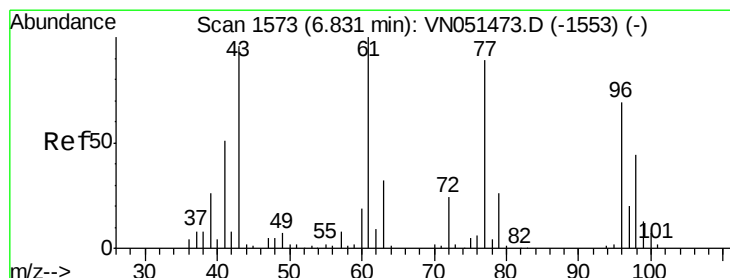
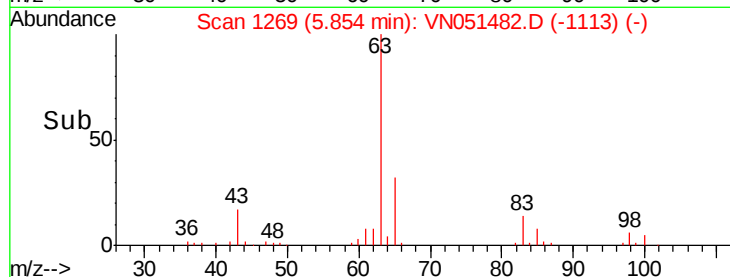
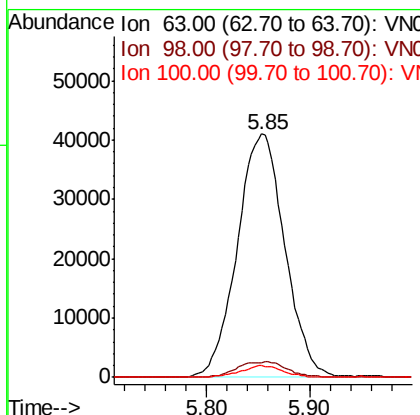
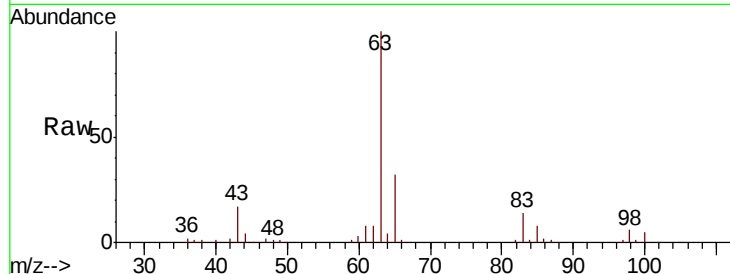
#21
 1,1-Dichloroethane
 Concen: 18.770 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.1	4.1	12.3
100	4.9	1.6	4.7#

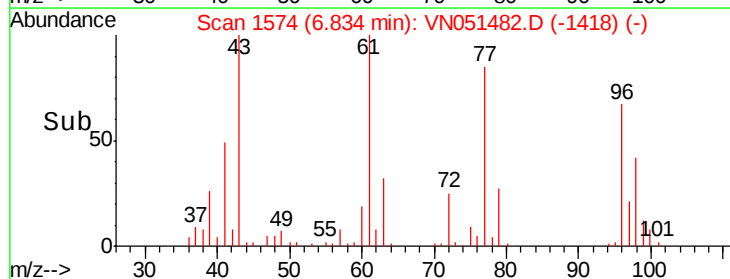
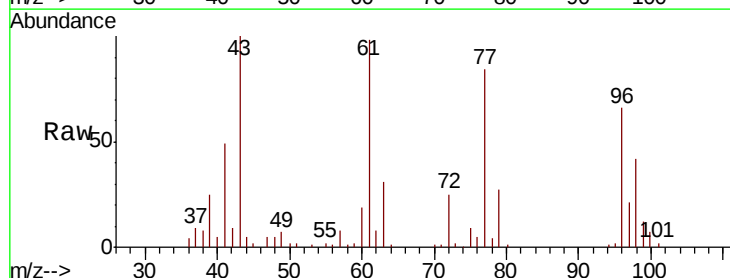
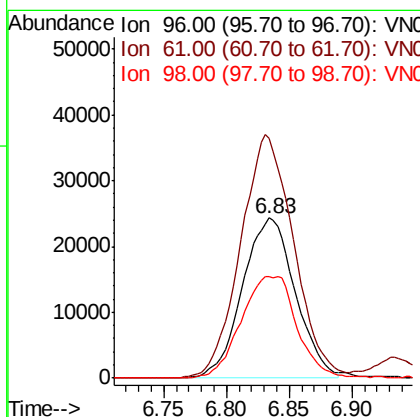
Manual Integrations
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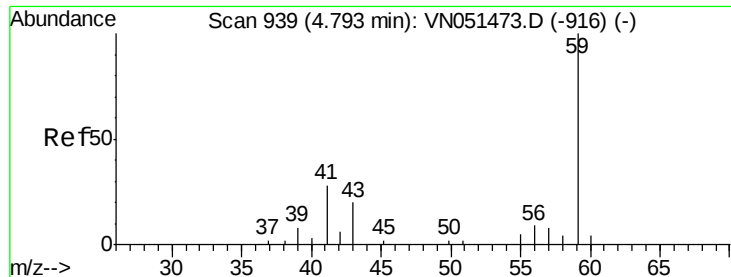
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#22
 cis-1,2-Dichloroethene
 Concen: 17.792 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	152.4	124.5	186.7
98	39.9	51.9	77.9#





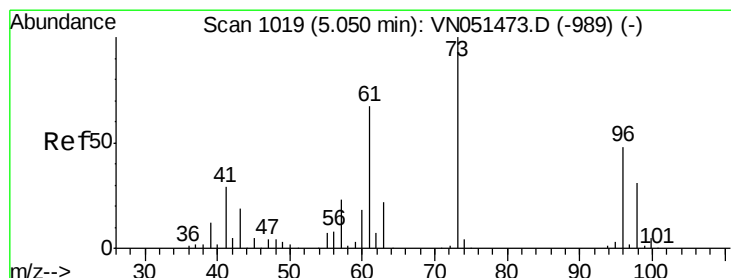
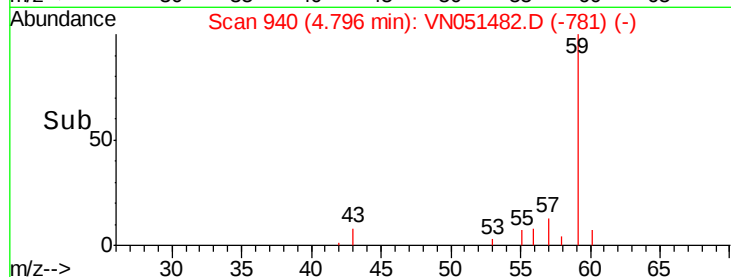
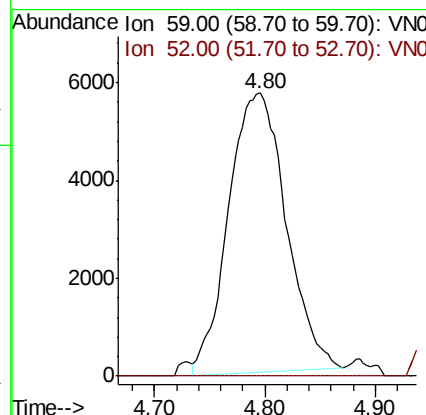
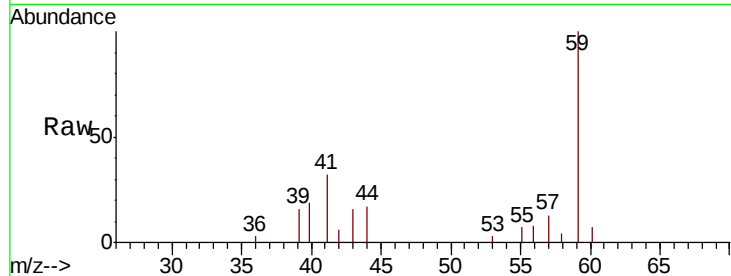
#23
 tert-Butyl Alcohol
 Concen: 92.902 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

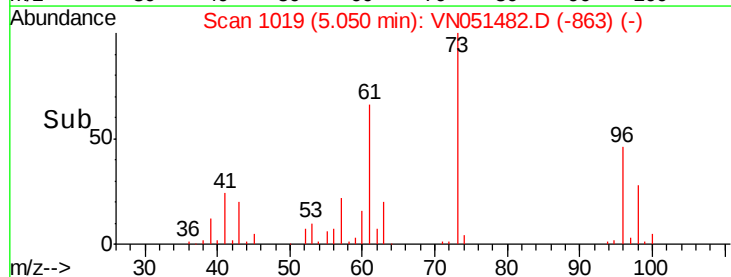
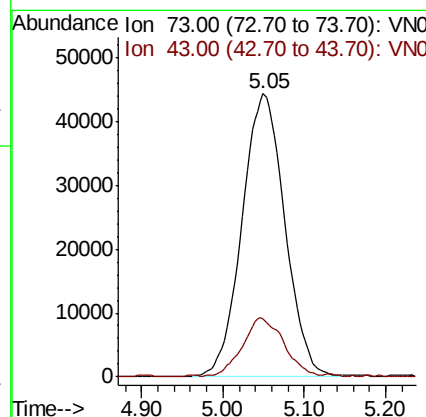
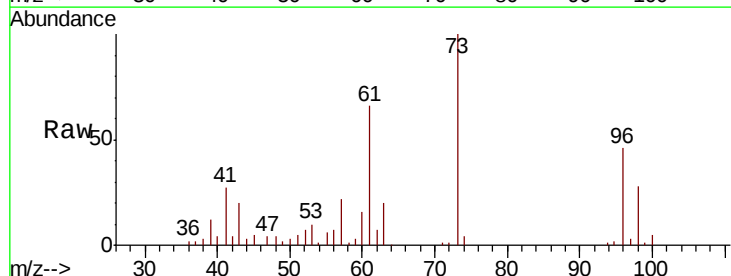
Manual Integrations
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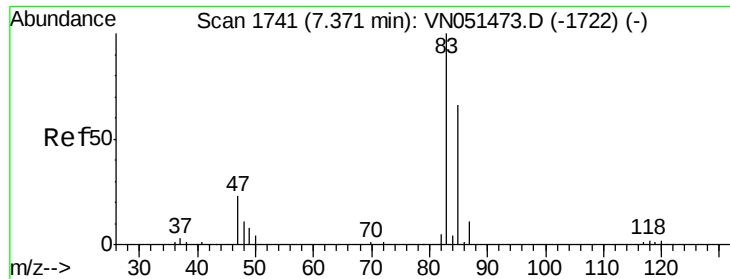
MMDadoda
 10/1/2018 11:21:32 AM



#24
 Methyl tert-Butyl Ether
 Concen: 17.922 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.4	5.4	8.0#





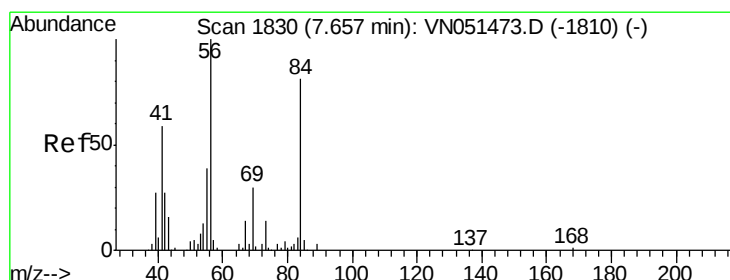
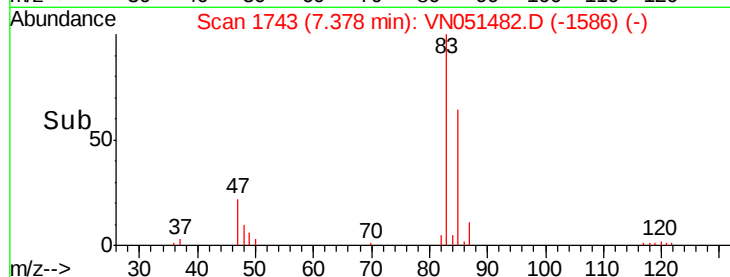
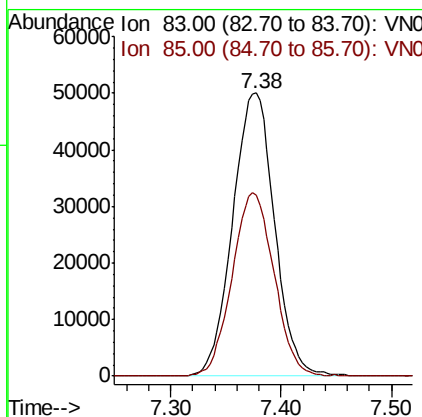
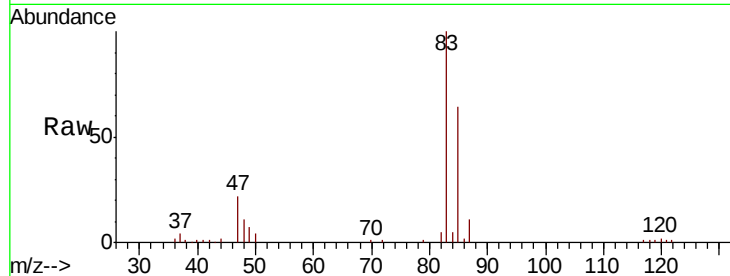
#25
Chloroform
Concen: 18.870 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion: 83 Resp: 131483
Ion Ratio Lower Upper
83 100
85 63.6 54.6 82.0

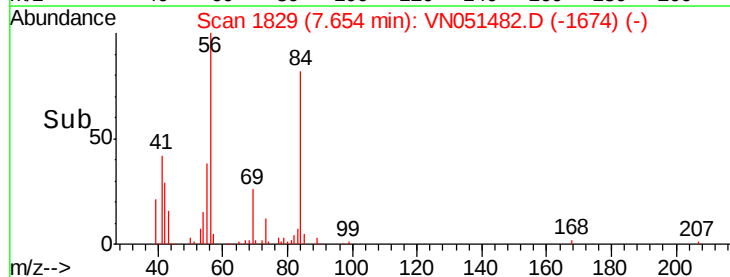
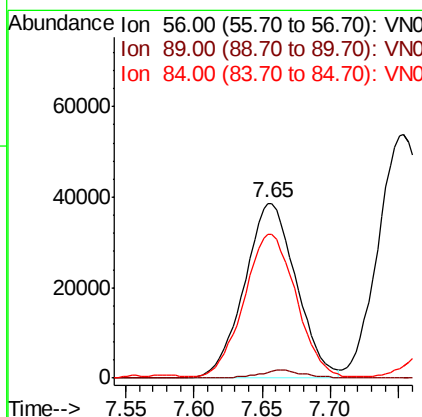
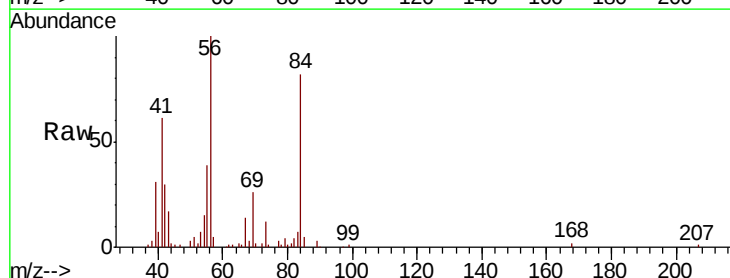
Manual Integrations
APPROVED

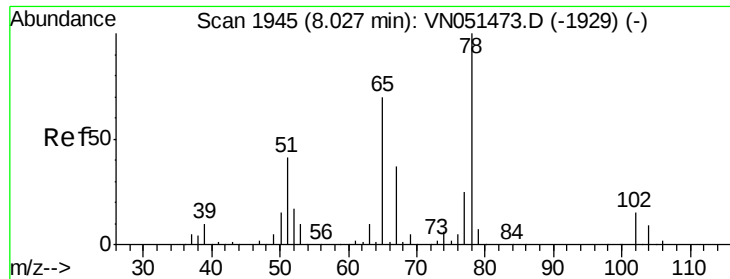
MMDadoda
10/1/2018 11:21:32 AM



#26
Cyclohexane
Concen: 17.132 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 56 Resp: 101892
Ion Ratio Lower Upper
56 100
89 3.8 1.5 2.3#
84 83.3 64.2 96.4





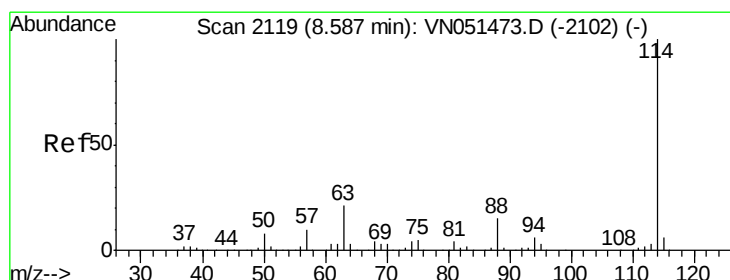
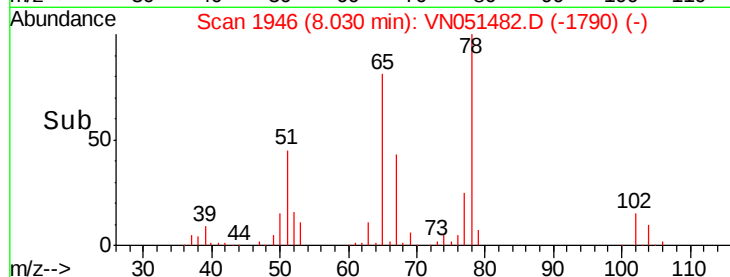
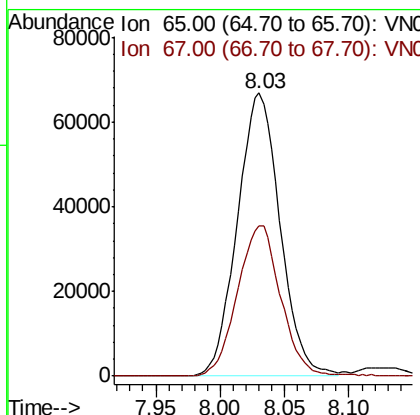
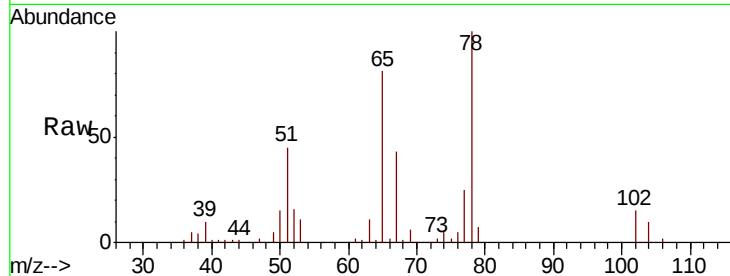
#27
 1,2-Dichloroethane-d4
 Concen: 31.951 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion: 65 Resp: 154231
 Ion Ratio Lower Upper
 65 100
 67 53.7 41.8 62.8

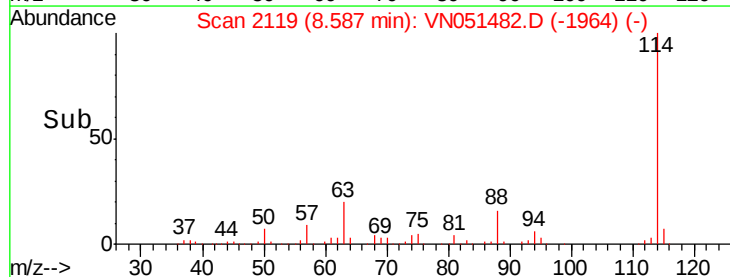
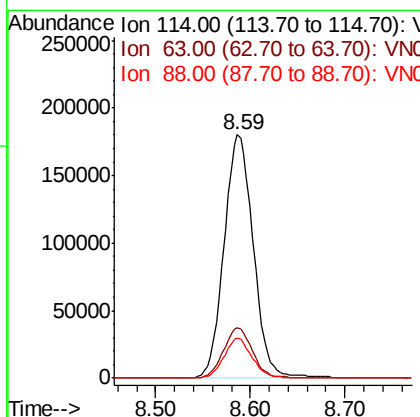
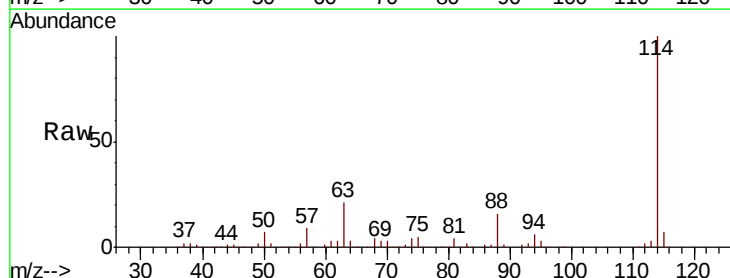
Manual Integrations
 APPROVED

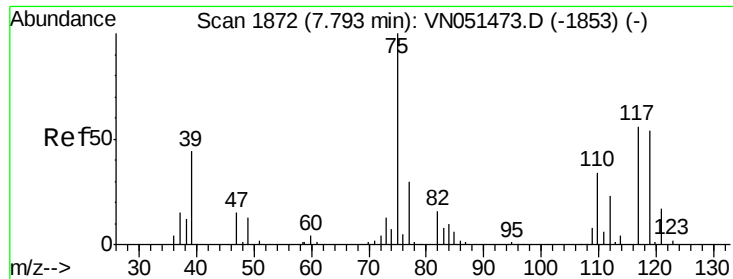
MMDadoda
 10/1/2018 11:21:32 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 114 Resp: 386494
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.2
 88 15.6 12.2 18.4





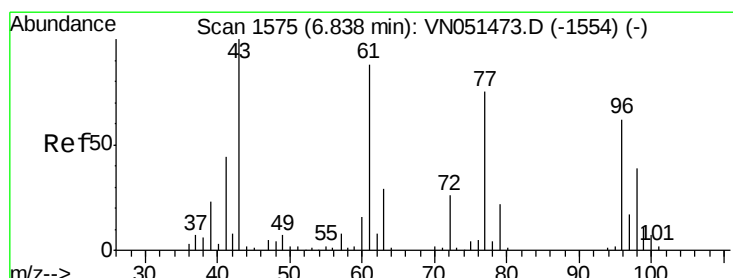
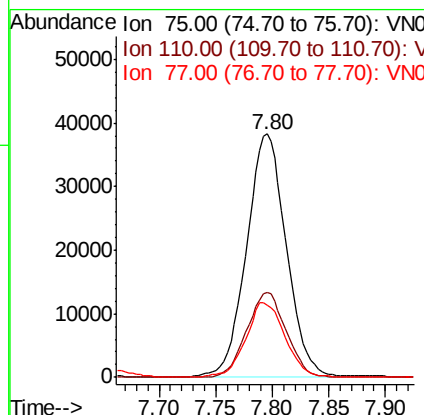
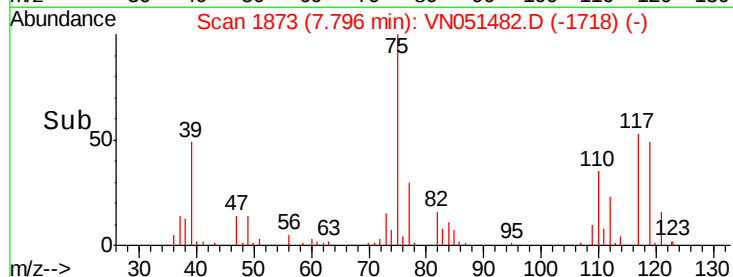
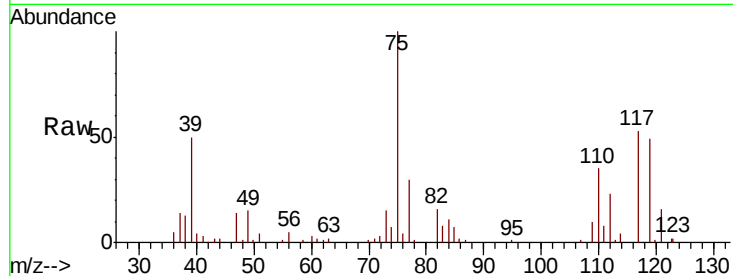
#29
 1,1-Dichloropropene
 Concen: 17.221 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	70.8
77	30.3	0.0	61.6

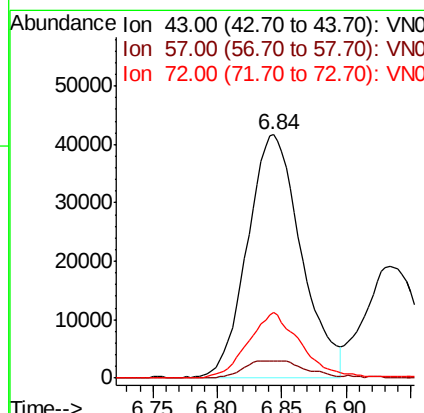
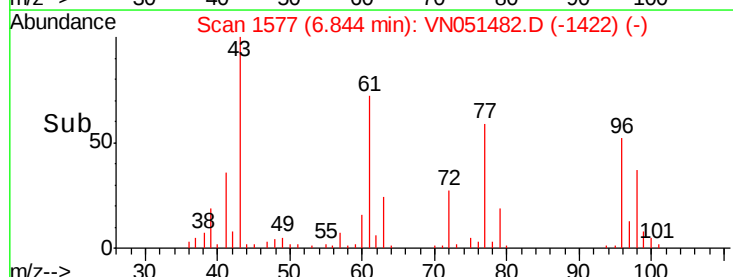
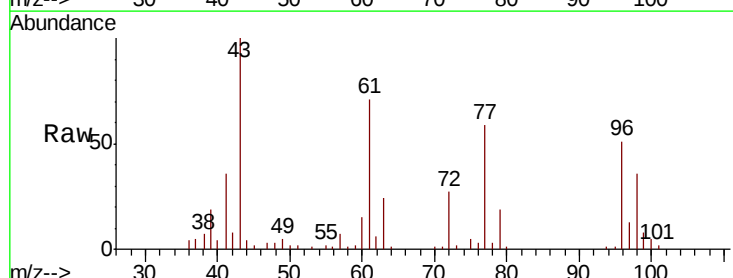
Manual Integrations
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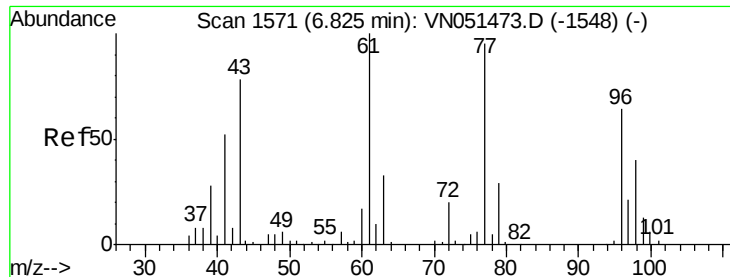
MMDadoda
 10/1/2018 11:21:32 AM



#30
 2-Butanone
 Concen: 85.340 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.2	4.5	6.7#
72	26.5	21.5	32.3





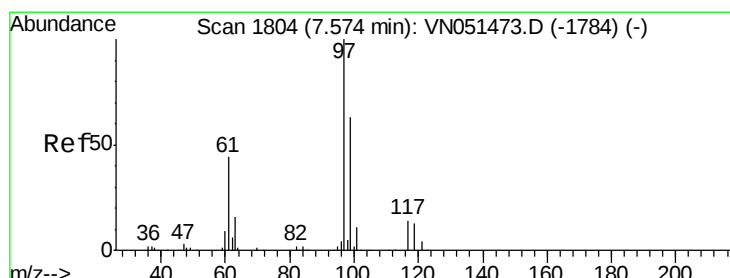
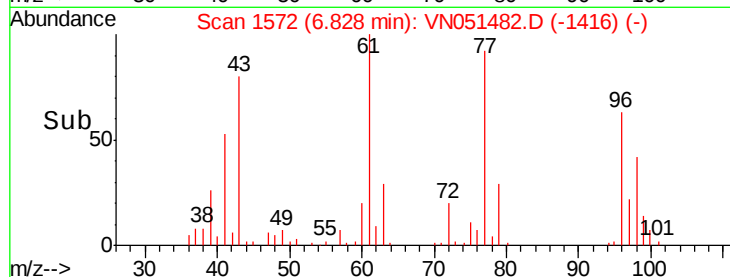
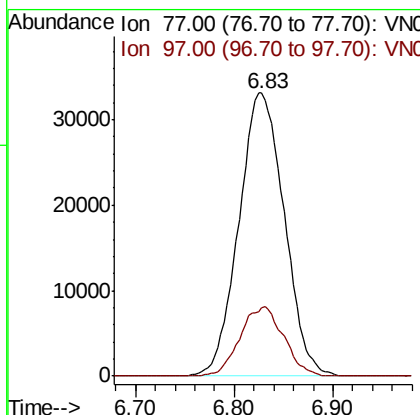
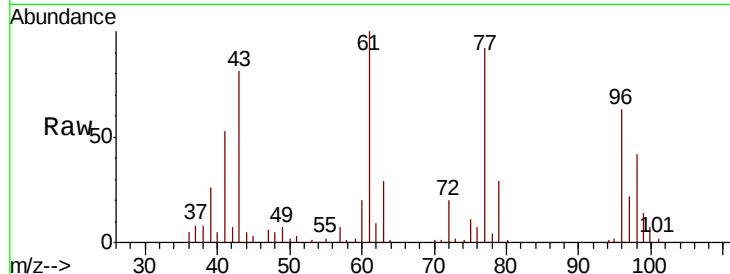
#31
 2,2-Dichloropropane
 Concen: 18.187 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion: 77 Resp: 105570
 Ion Ratio Lower Upper
 77 100
 97 23.5 12.0 18.0#

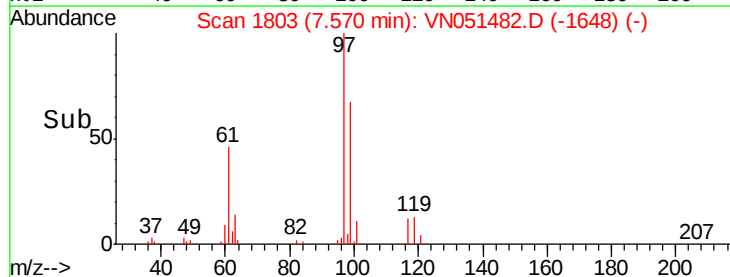
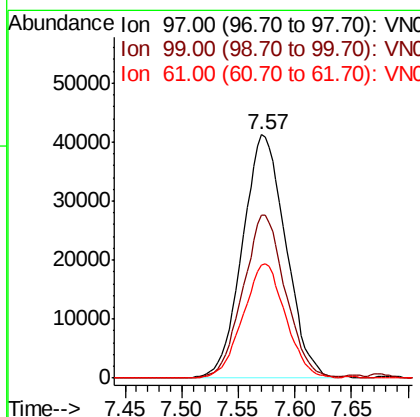
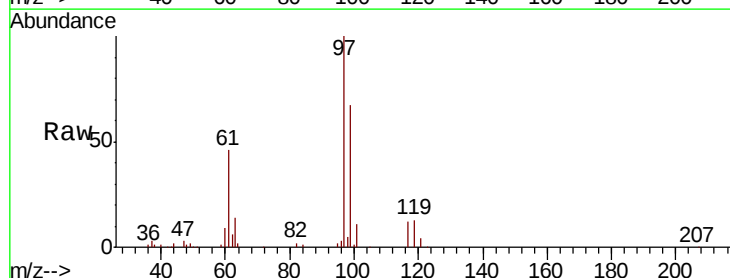
Manual Integrations
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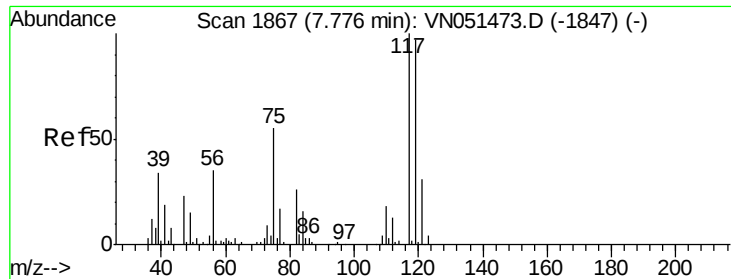
MMDadoda
 10/1/2018 11:21:32 AM



#32
 1,1,1-Trichloroethane
 Concen: 17.664 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 97 Resp: 109737
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.6 77.4
 61 46.1 37.4 56.0





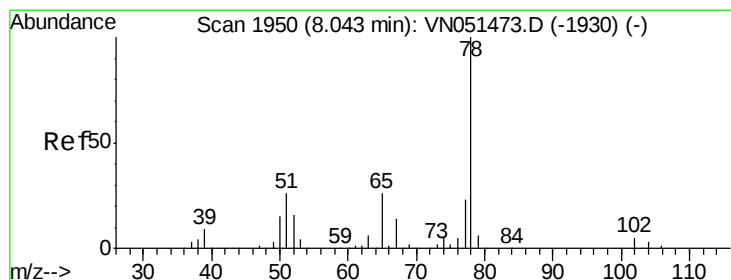
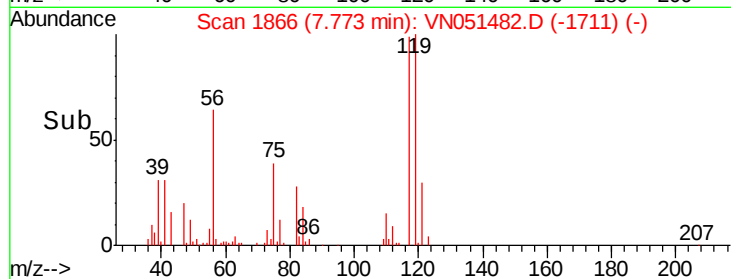
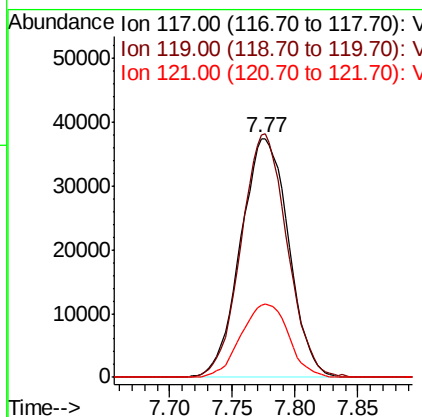
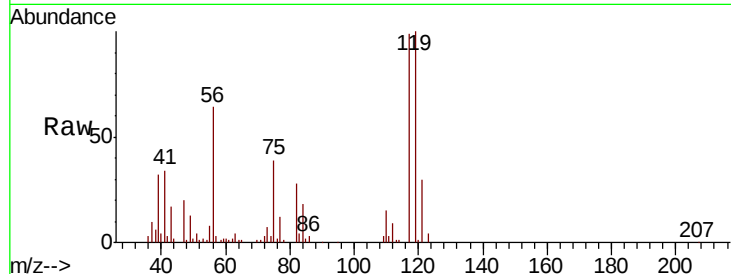
#33
Carbon Tetrachloride
Concen: 17.467 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.2	85.1	127.7
121	30.3	24.2	36.2

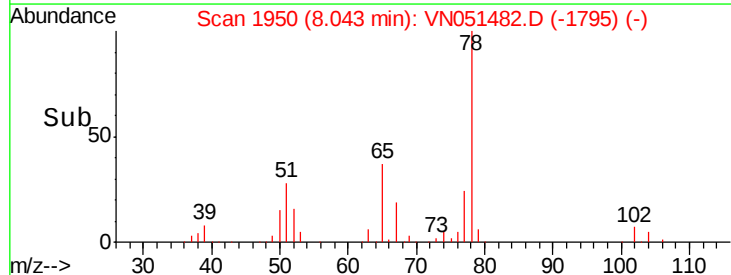
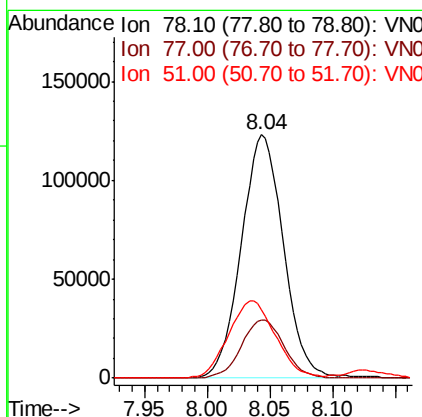
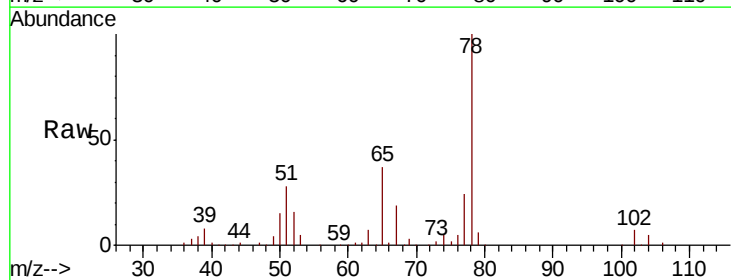
Manual Integrations
APPROVED

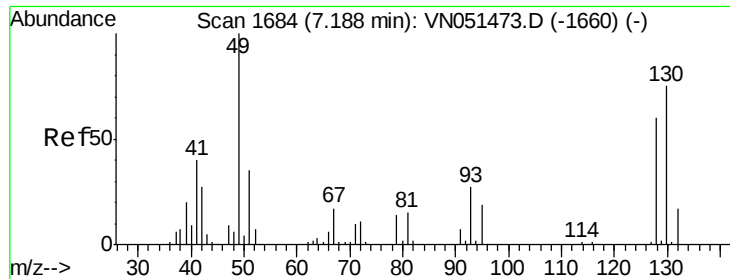
MMDadoda
10/1/2018 11:21:32 AM



#34
Benzene
Concen: 17.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2
51	27.8	46.2	69.4#





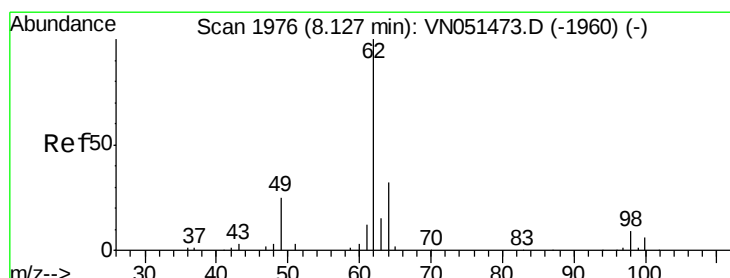
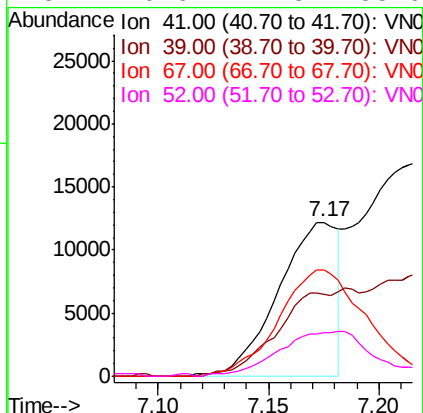
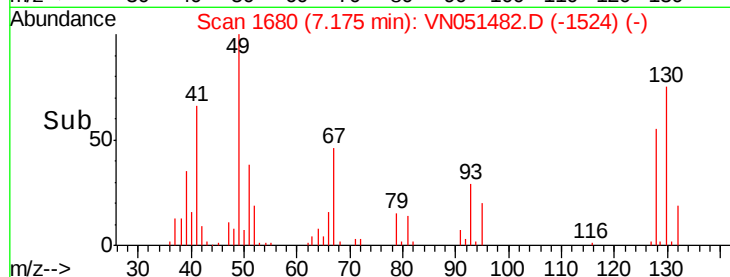
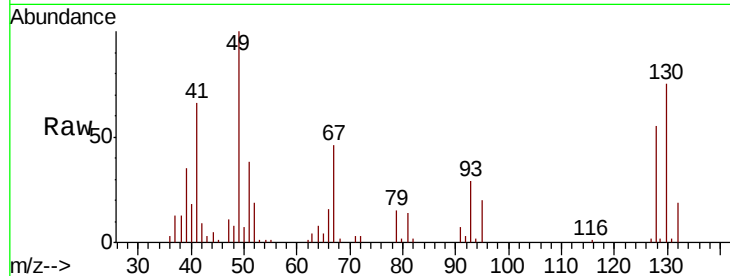
#35
Methacrylonitrile
Concen: 11.234 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	41	Resp	22757
Ion Ratio	Lower	Upper	
41	100		
39	52.9	22.6	67.7
67	69.4	28.9	86.8
52	26.6	11.3	33.9

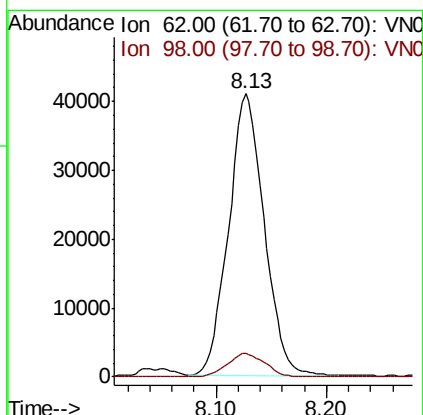
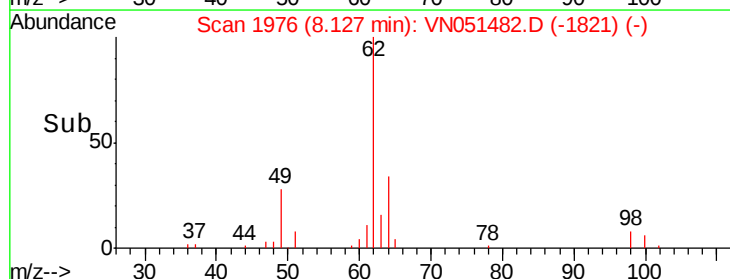
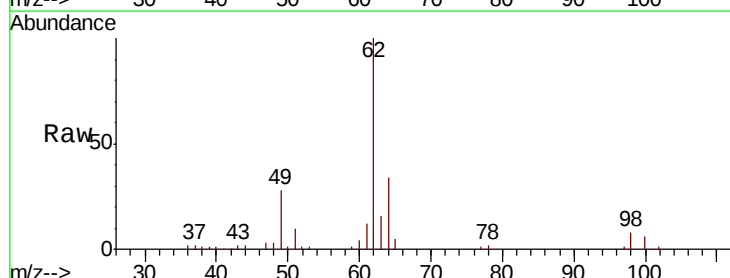
Manual Integrations
APPROVED

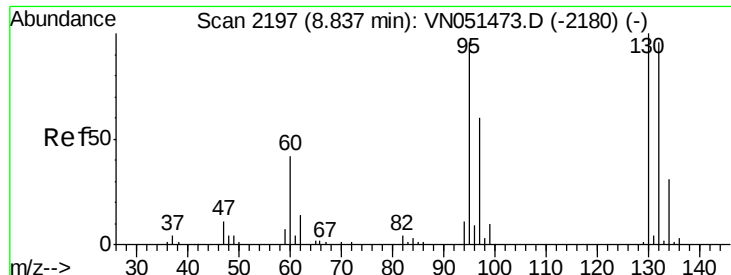
MMDadoda
10/1/2018 11:21:32 AM



#36
1,2-Dichloroethane
Concen: 17.443 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	62	Resp	91766
Ion Ratio	Lower	Upper	
62	100		
98	8.7	6.9	10.3





#37

Trichloroethene

Concen: 17.058 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion:130 Resp: 73044

Ion Ratio Lower Upper

130 100

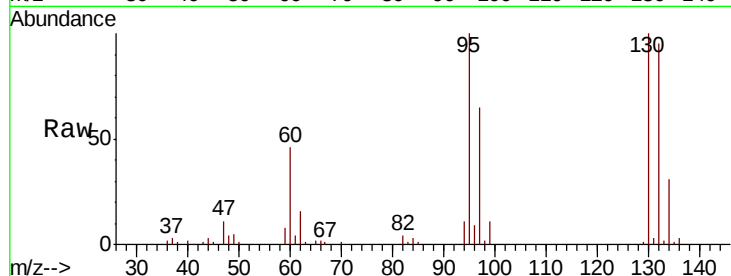
95 98.8 76.4 114.6

Manual Integrations

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10/1/2018 11:21:32 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

40000

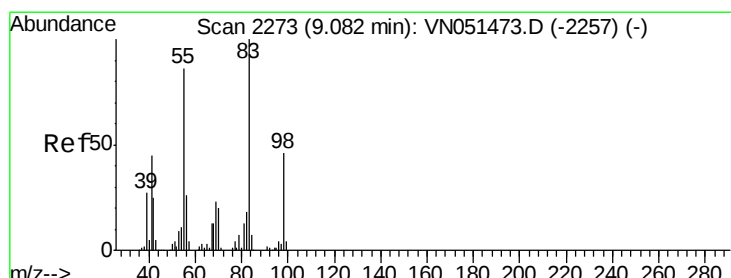
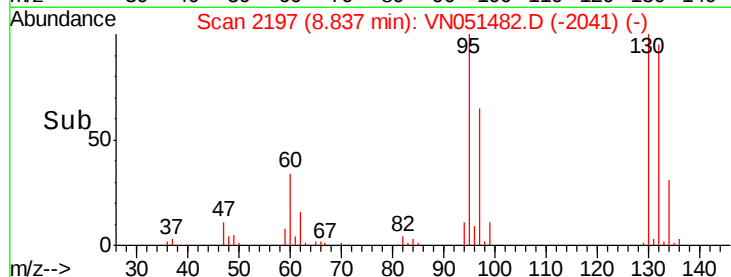
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 15.791 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

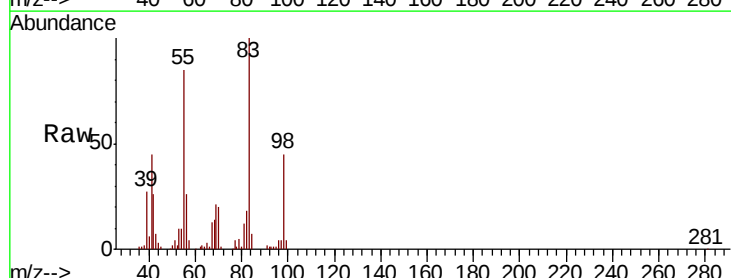
Tgt Ion: 83 Resp: 99618

Ion Ratio Lower Upper

83 100

55 81.4 43.0 129.2

98 45.6 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

9.08

60000

50000

40000

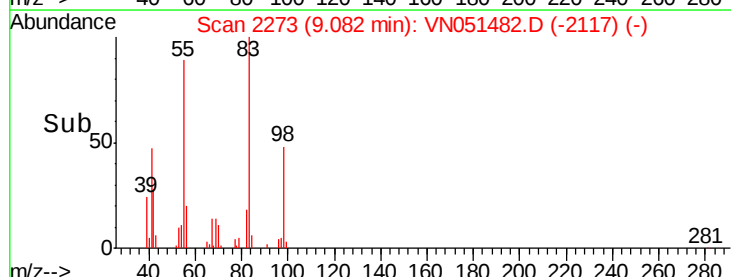
30000

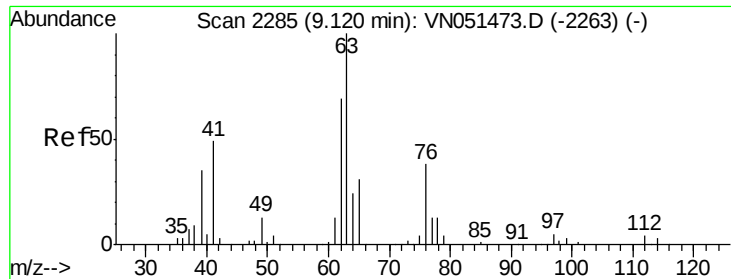
20000

10000

0

Time-->





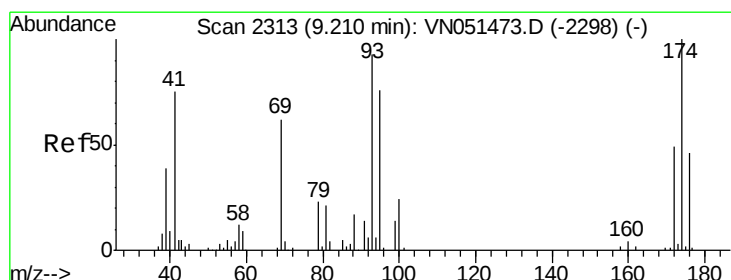
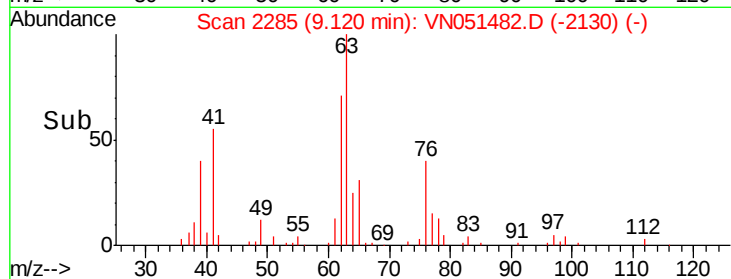
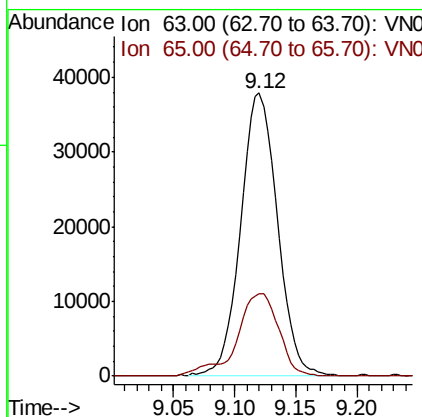
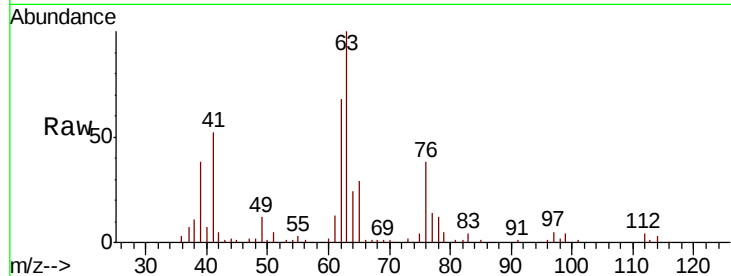
#39
 1,2-Dichloropropane
 Concen: 17.980 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBS01

Tot Ion: 63 Resp: 79024
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.2 34.8

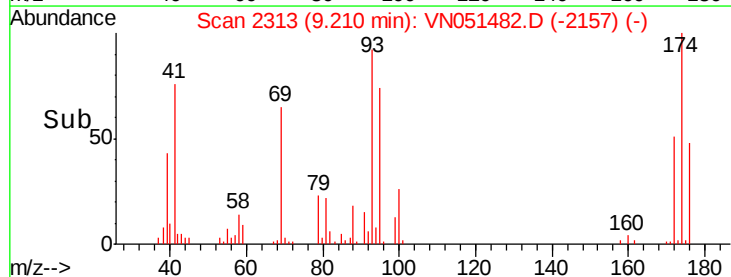
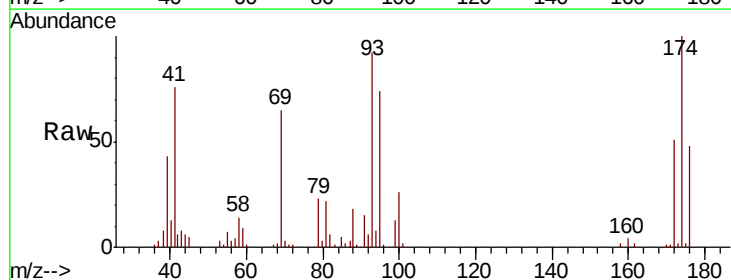
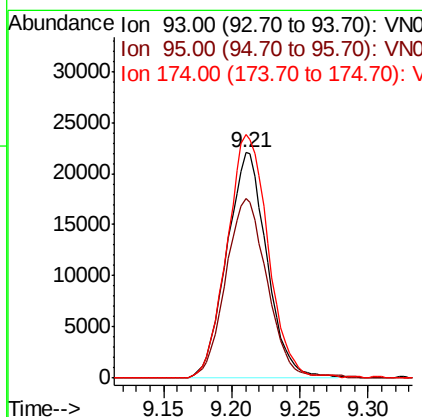
Manual Integrations
 APPROVED

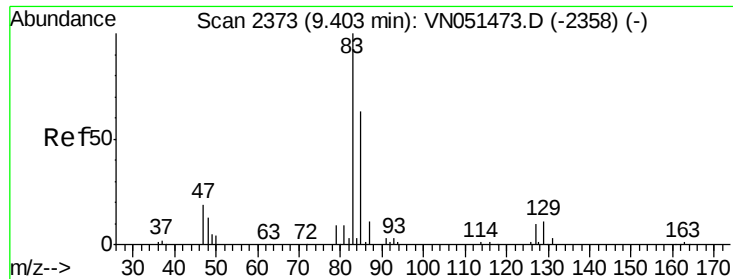
MMDadoda
 10/1/2018 11:21:32 AM



#40
 Dibromomethane
 Concen: 18.030 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion: 93 Resp: 45104
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 162.0
 174 110.2 0.0 214.0





#41

Bromodichloromethane

Concen: 17.150 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

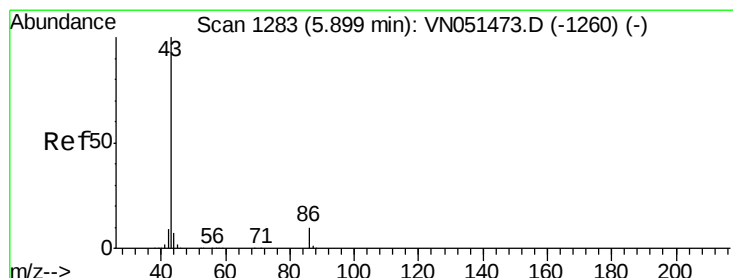
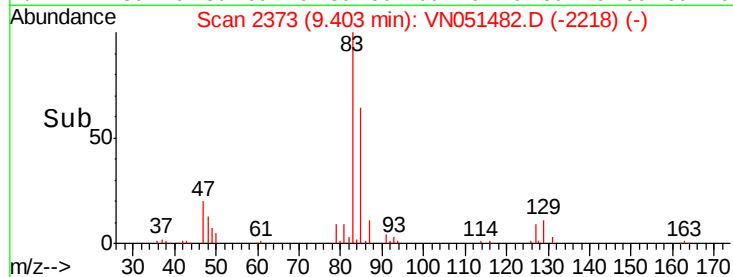
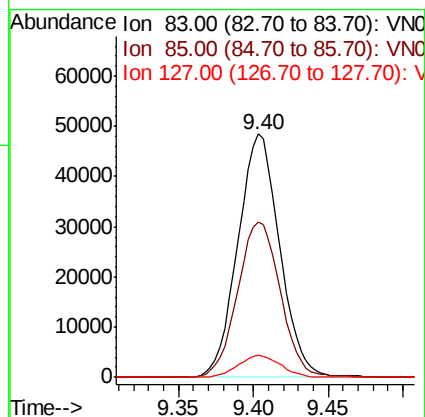
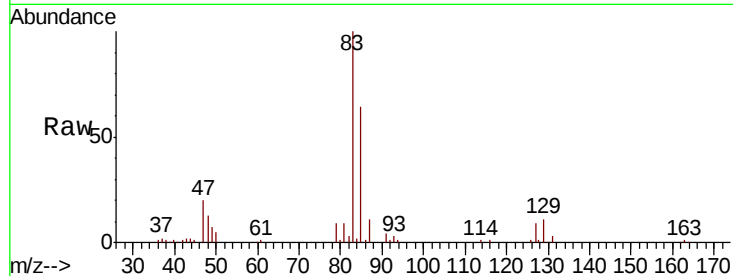
ClientSampleId :

VN0925WBS01

Tot Ion:	83	Resp:	94325
Ion Ratio	Lower	Upper	
83	100		
85	63.9	55.7	83.5
127	9.1	8.2	12.4

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#42

Vinyl Acetate

Concen: 84.543 ug/l

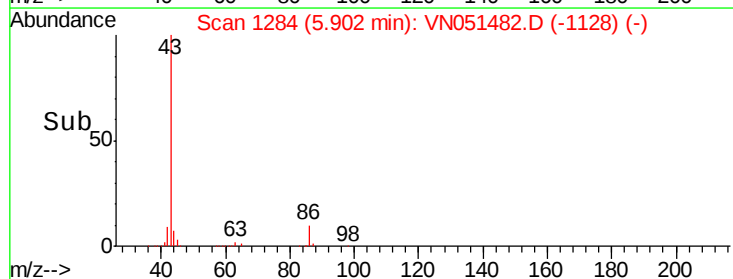
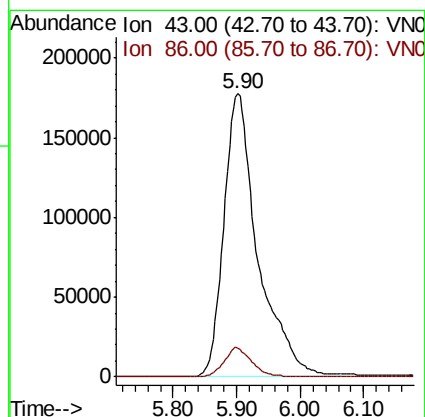
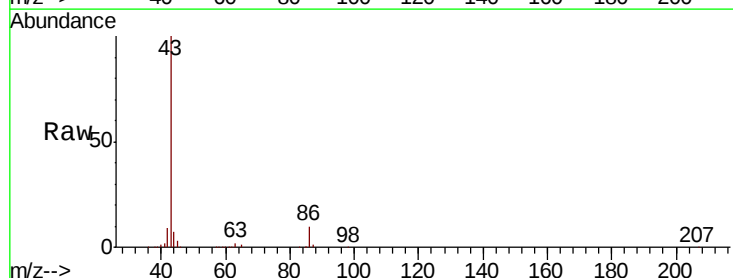
RT: 5.90 min Scan# 1284

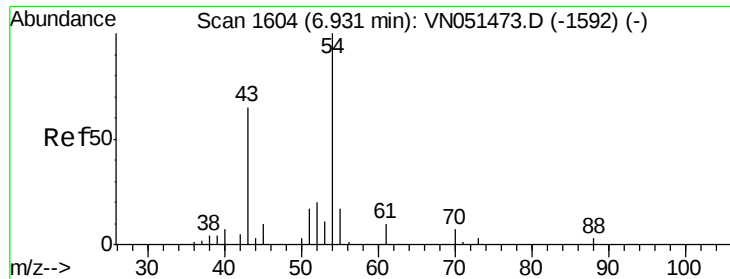
Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion:	43	Resp:	660821
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.5	9.7





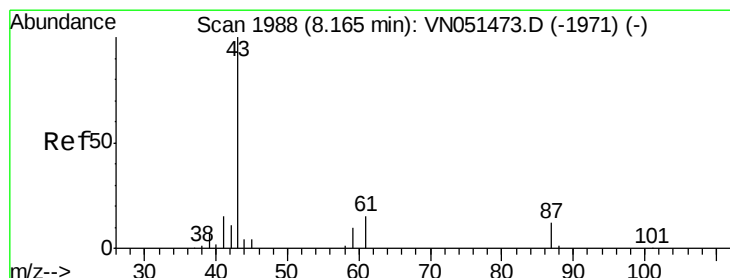
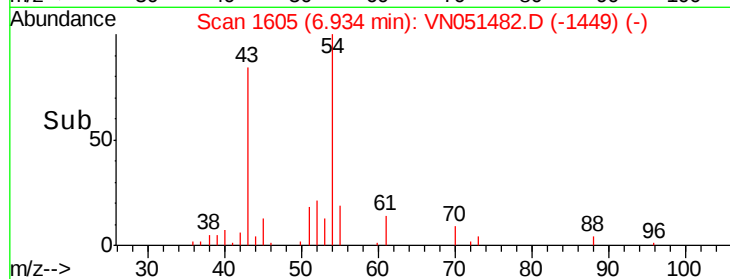
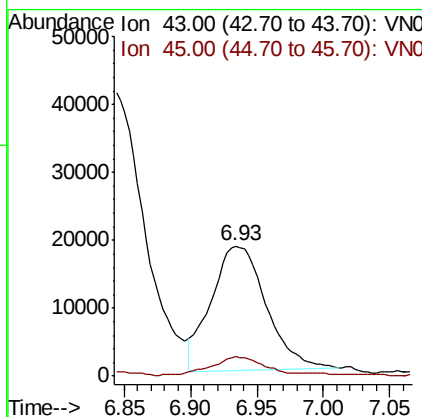
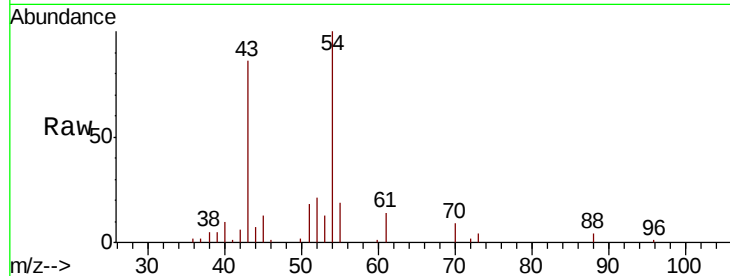
#43
Ethyl Acetate
Concen: 18.055 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion: 43 Resp: 52807
Ion Ratio Lower Upper
43 100
45 13.3 11.0 16.6

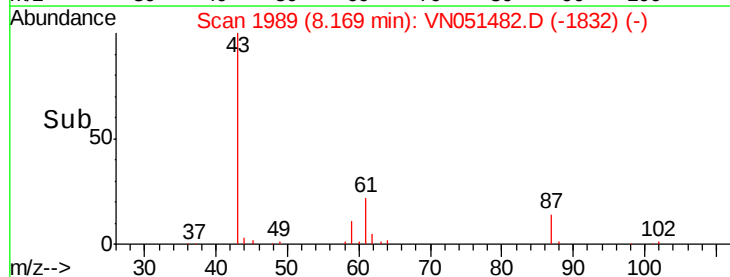
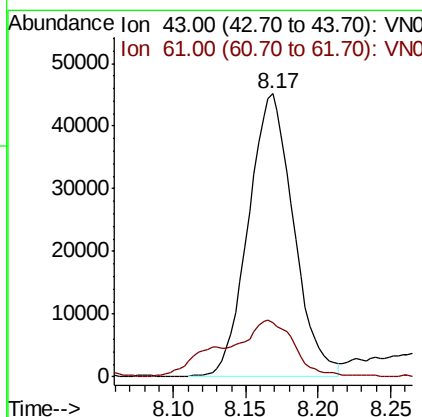
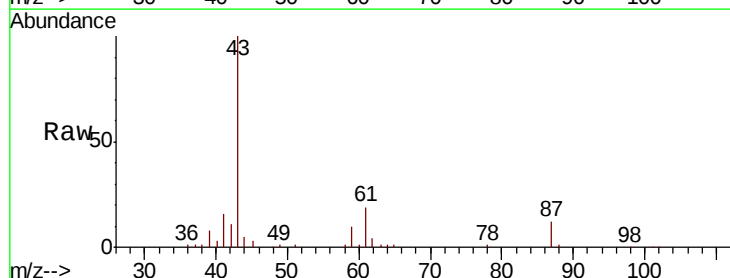
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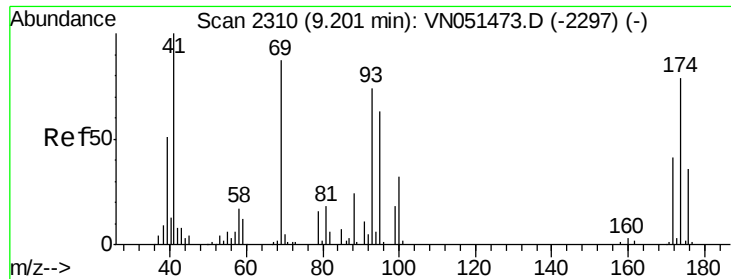
MMDadoda
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#44
Isopropyl Acetate
Concen: 17.446 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 43 Resp: 98135
Ion Ratio Lower Upper
43 100
61 17.7 15.9 23.9





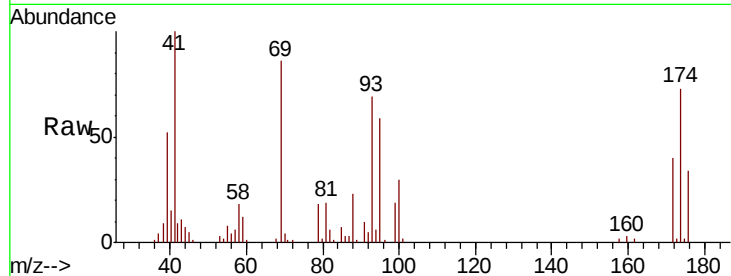
#45
 1,4-Dioxane
 Concen: 329.873 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	26.2	39.2
58	76.9	65.6	98.4

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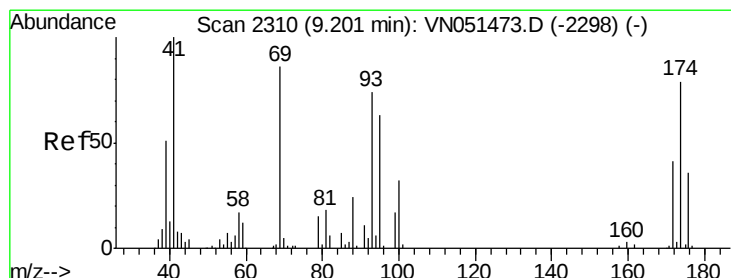
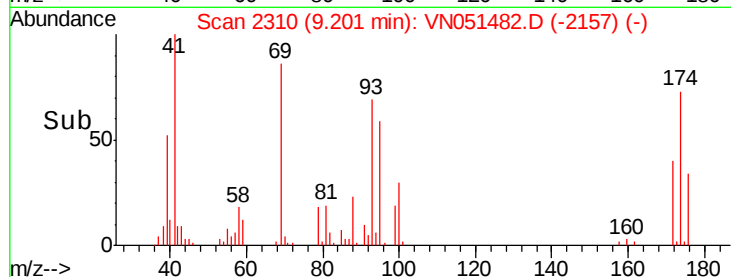
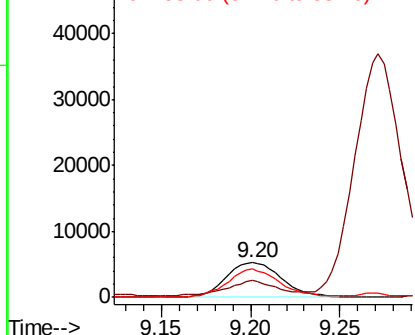


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46
 Methyl methacrylate
 Concen: 15.450 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

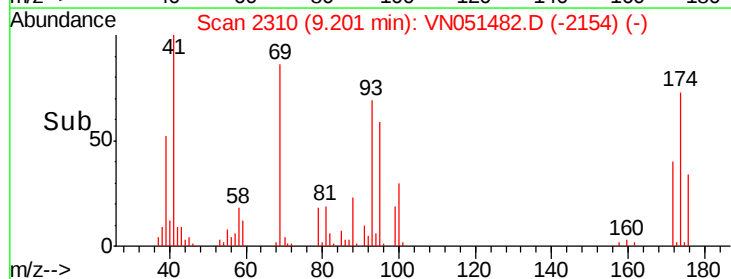
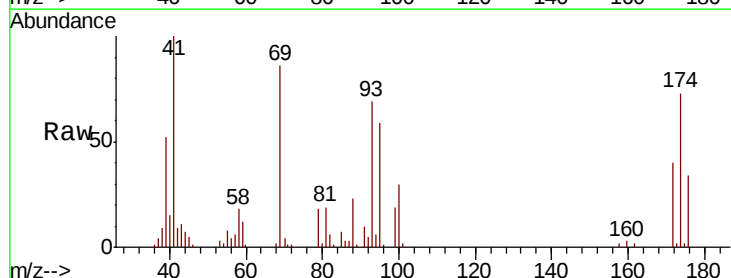
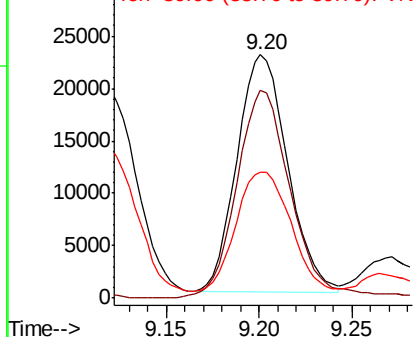
Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.7	40.7	122.1
39	50.0	27.3	81.9

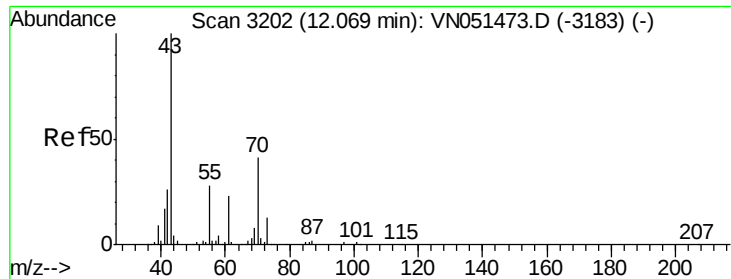
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 14.538 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 43 Resp: 65349

Ion Ratio Lower Upper

43 100

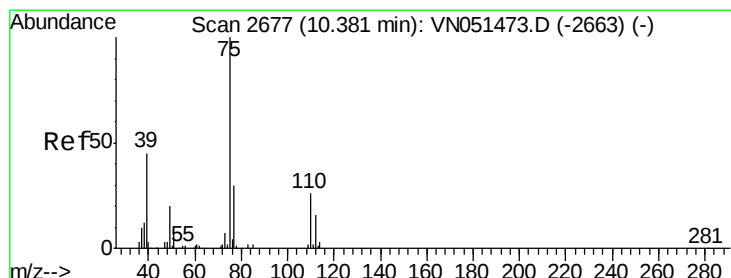
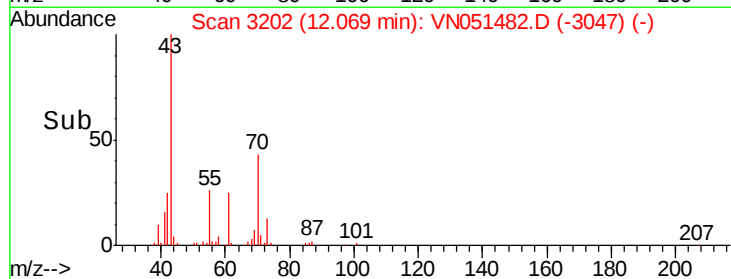
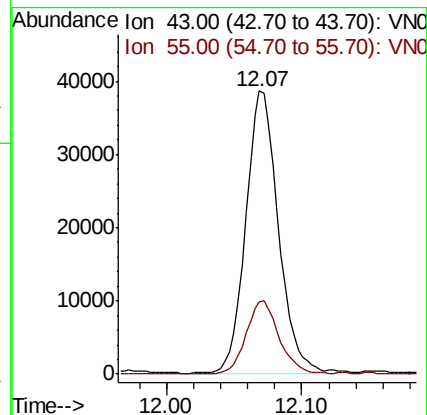
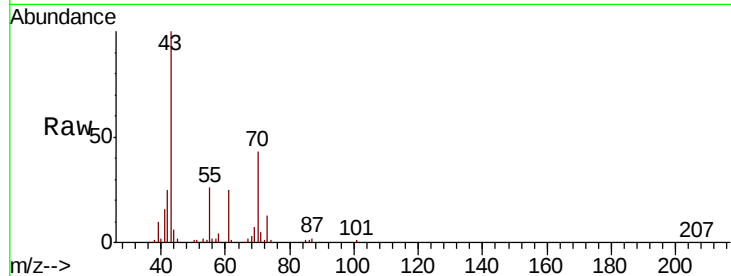
55 0.2 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 16.038 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051482.D

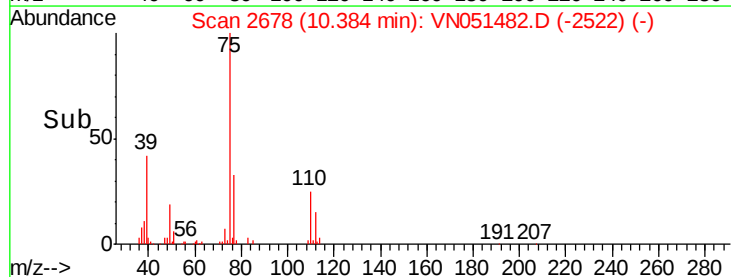
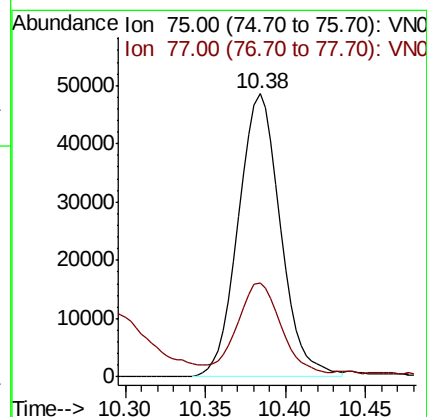
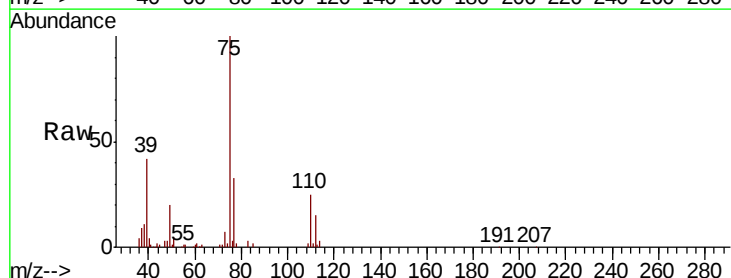
Acq: 25 Sep 2018 14:02

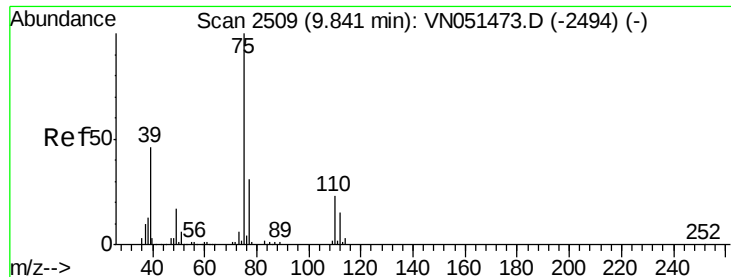
Tgt Ion: 75 Resp: 87588

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0





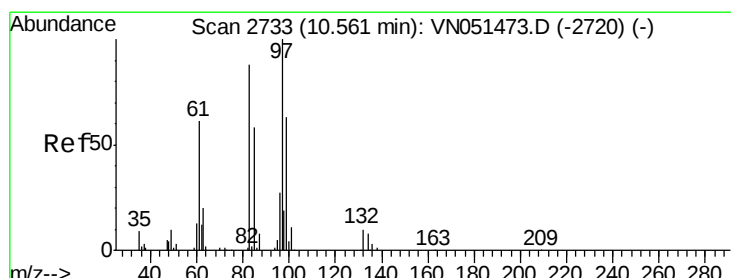
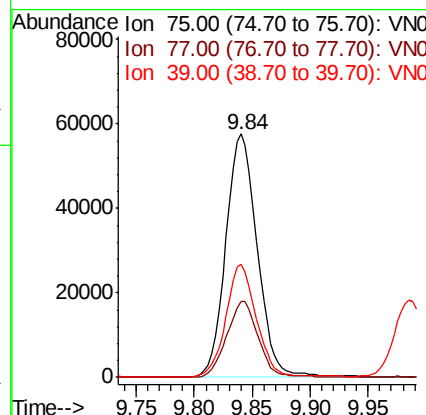
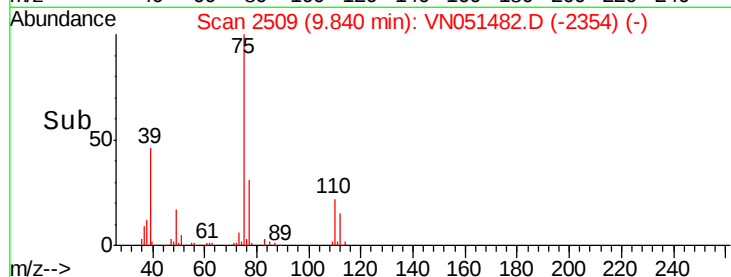
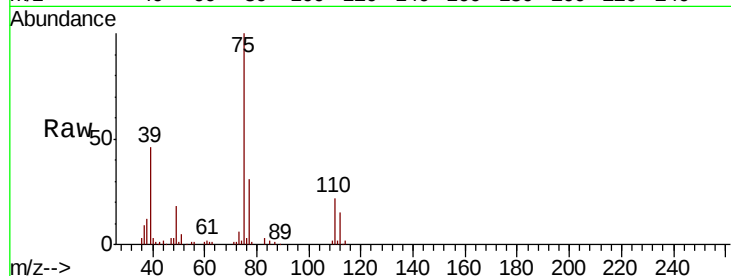
#49
 cis-1,3-Dichloropropene
 Concen: 17.105 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.2	34.8
39	45.8	34.6	52.0

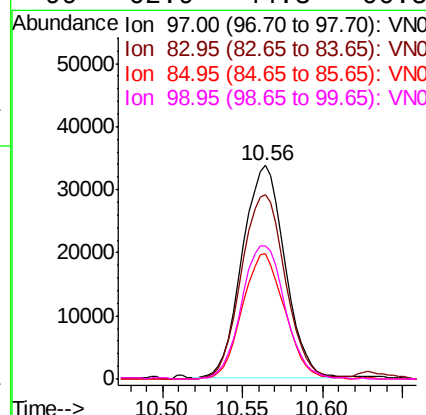
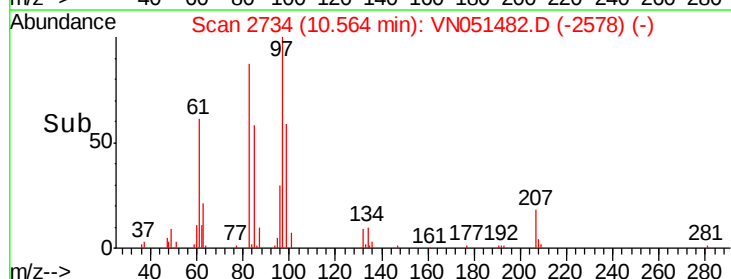
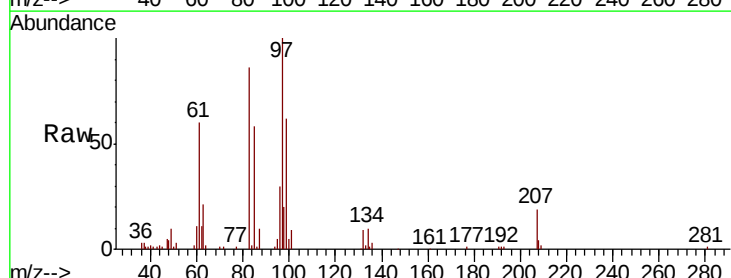
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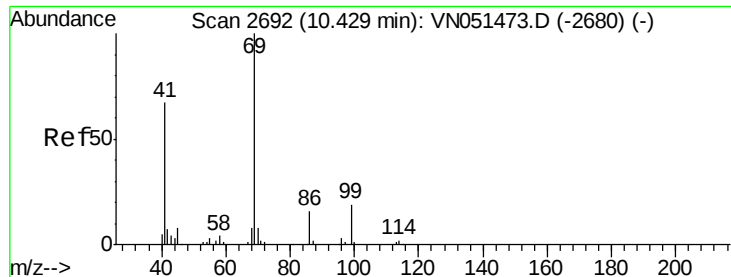
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 17.080 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.4
85	58.9	42.5	63.7
99	62.9	44.3	66.5





#51

Ethyl methacrylate

Concen: 15.484 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

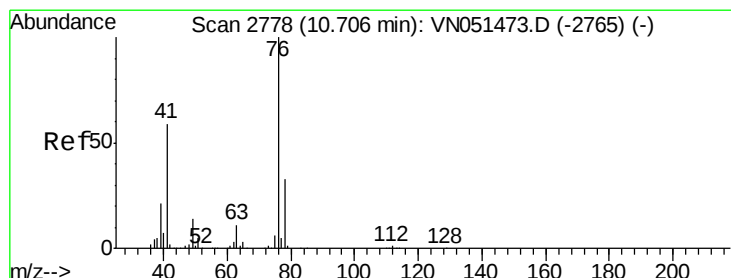
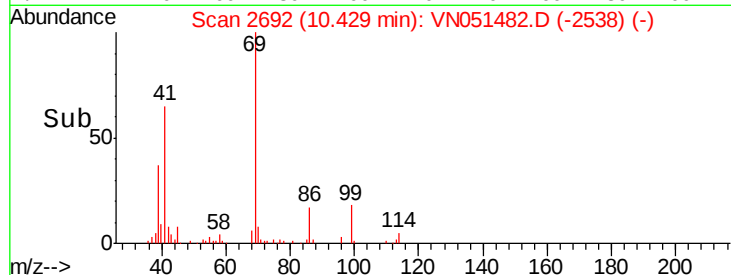
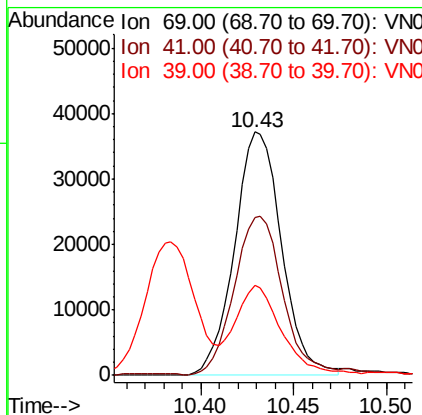
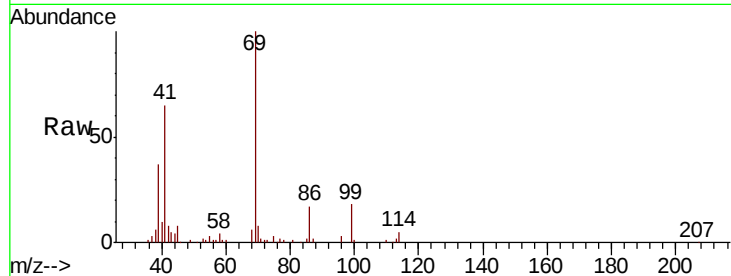
ClientSampled :

VN0925WBS01

Tot Ion:	69	Resp:	65544
Ion	Ratio	Lower	Upper
69	100		
41	64.3	34.4	103.1
39	35.1	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 17.411 ug/l

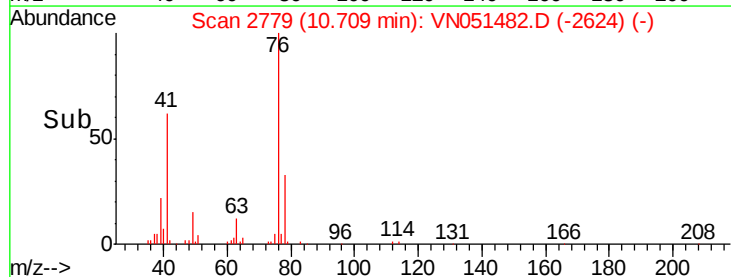
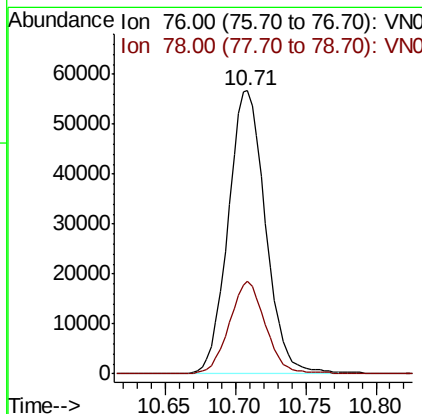
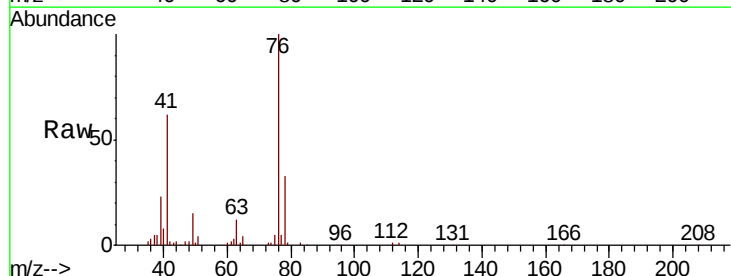
RT: 10.71 min Scan# 2779

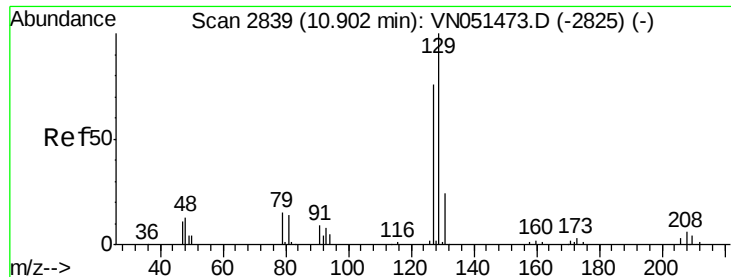
Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion:	76	Resp:	105063
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	67.6





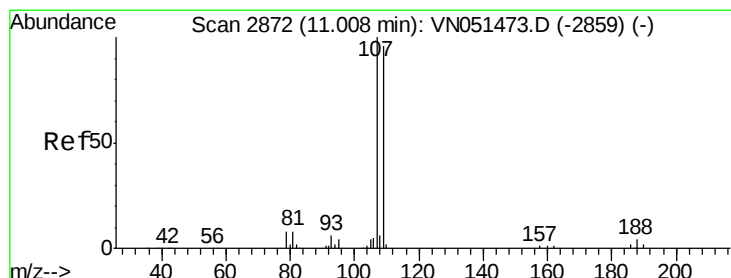
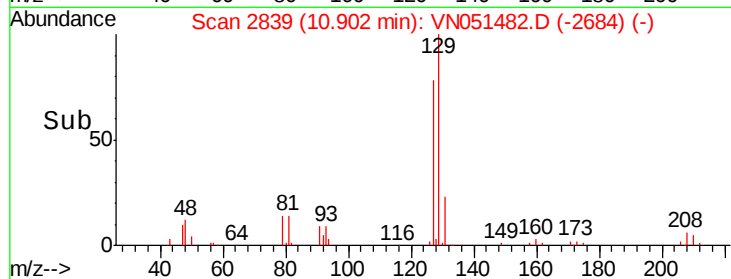
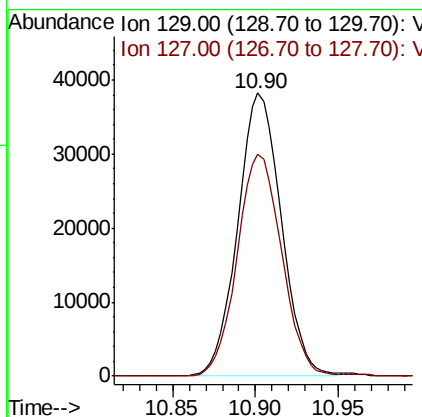
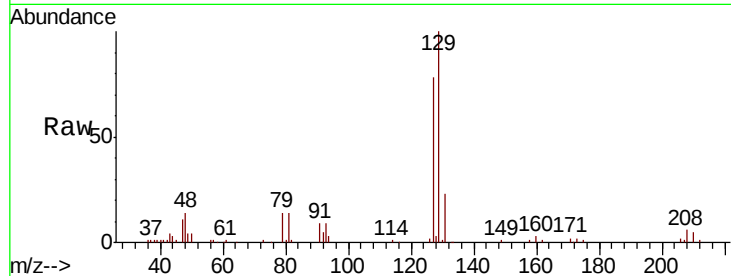
#53
 Dibromochloromethane
 Concen: 17.007 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion:129 Resp: 69972
 Ion Ratio Lower Upper
 129 100
 127 79.9 40.2 120.5

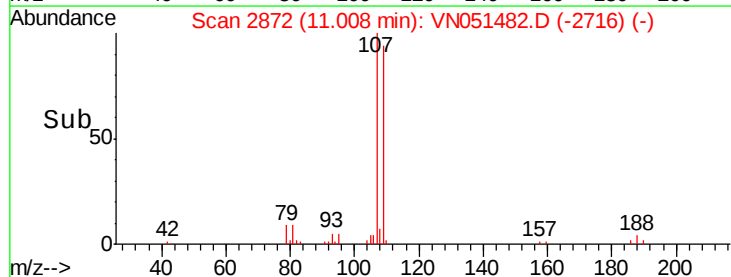
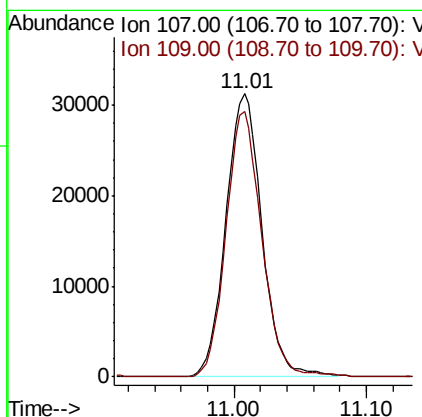
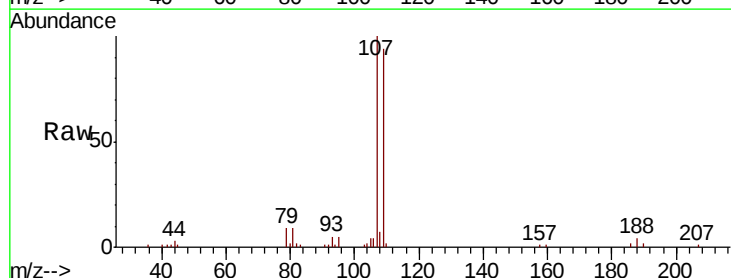
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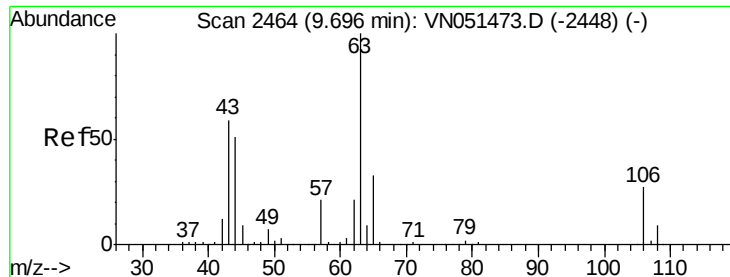
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#54
 1,2-Dibromoethane
 Concen: 17.129 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion:107 Resp: 59116
 Ion Ratio Lower Upper
 107 100
 109 92.1 77.4 116.0





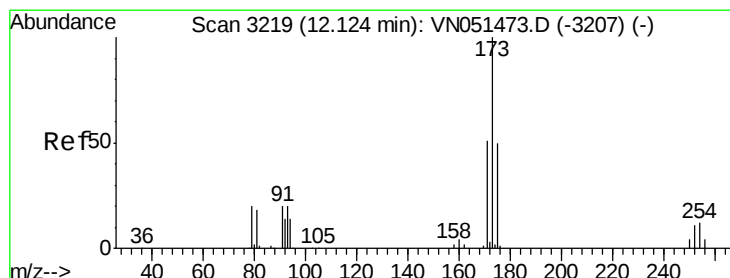
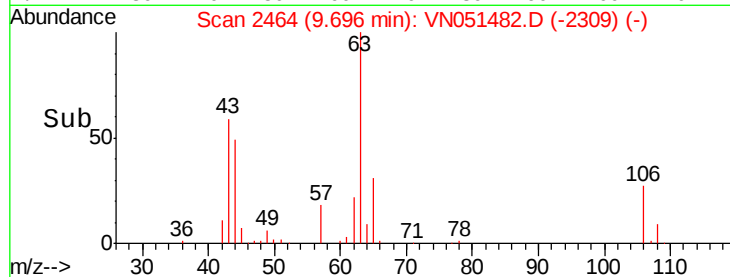
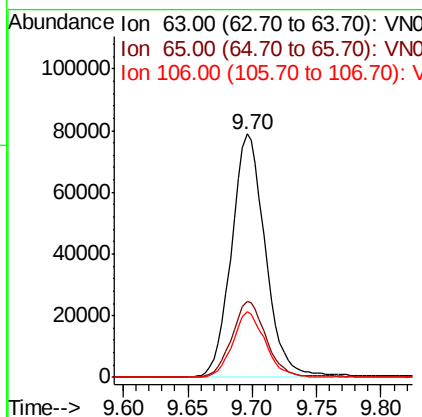
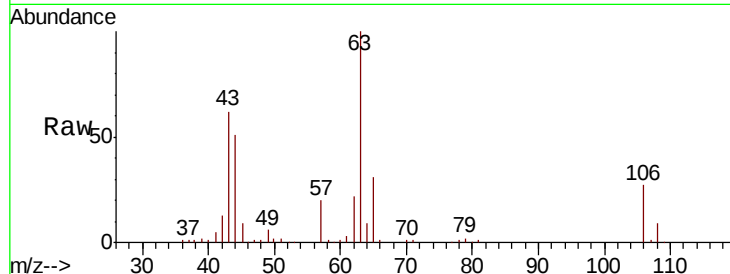
#55
2-Chloroethyl vinyl ether
Concen: 68.963 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.4	38.0
106	25.8	21.2	31.8

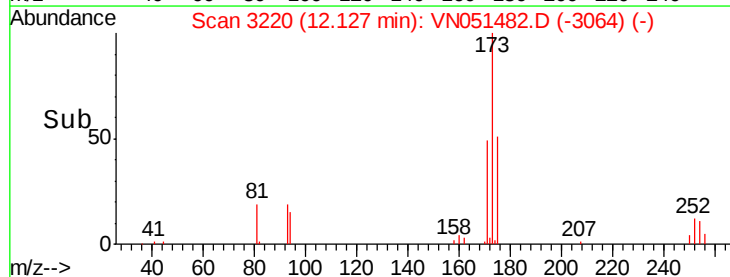
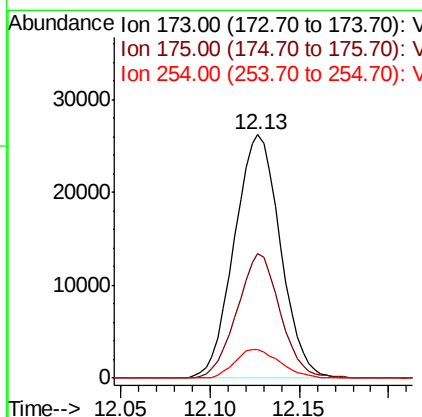
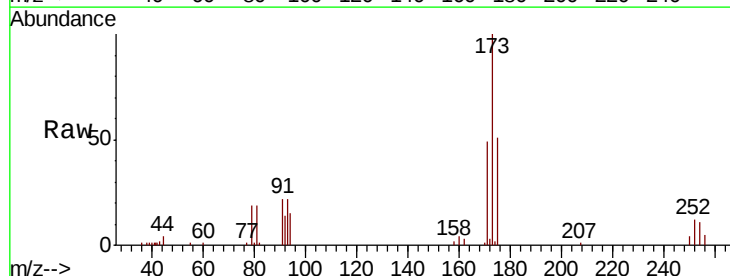
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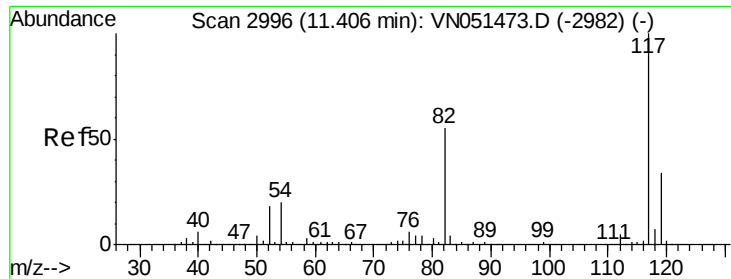
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#56
Bromoform
Concen: 16.960 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	35.8	53.8
254	11.5	8.6	13.0





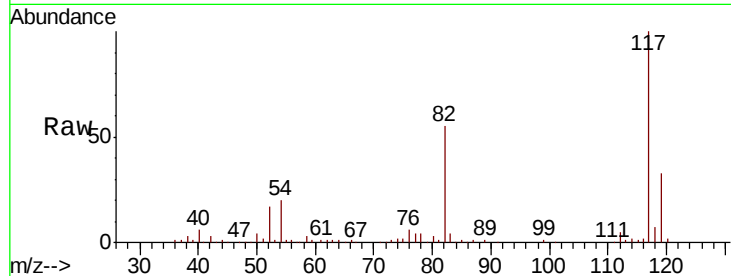
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

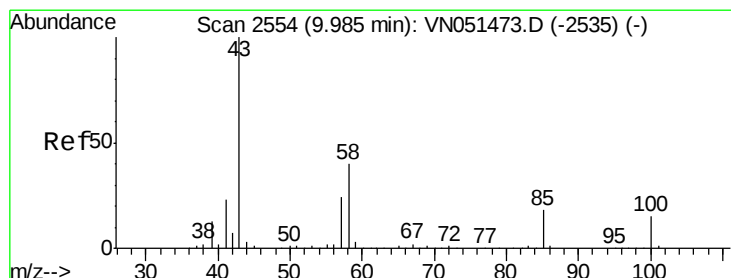
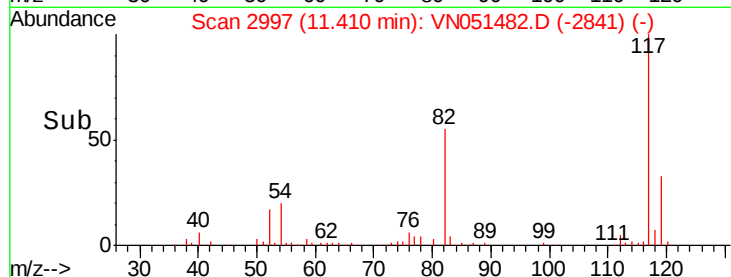
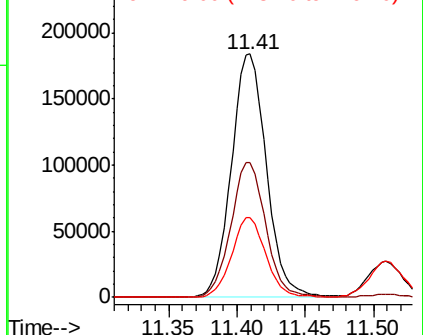
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.1	66.1
119	31.9	25.8	38.8

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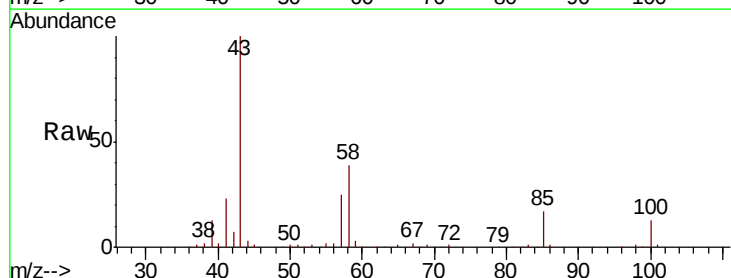


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

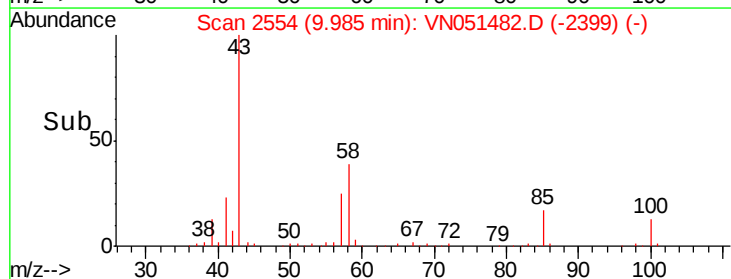
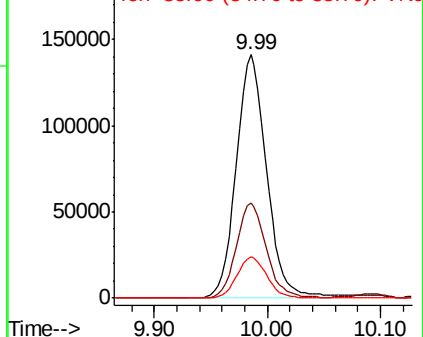


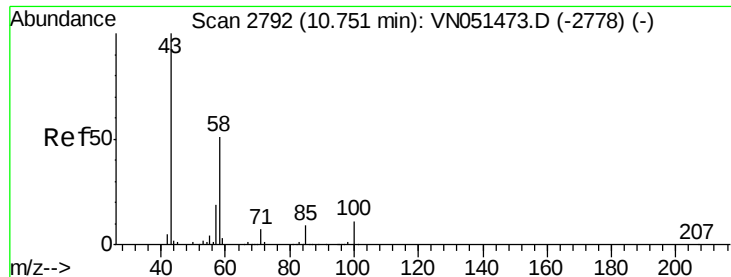
#58
4-Methyl-2-Pentanone
Concen: 90.970 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	29.3	43.9
85	16.6	12.6	18.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





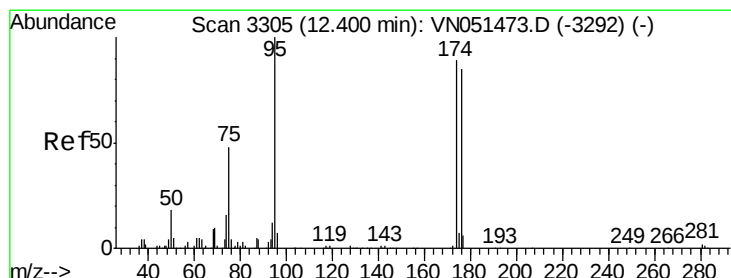
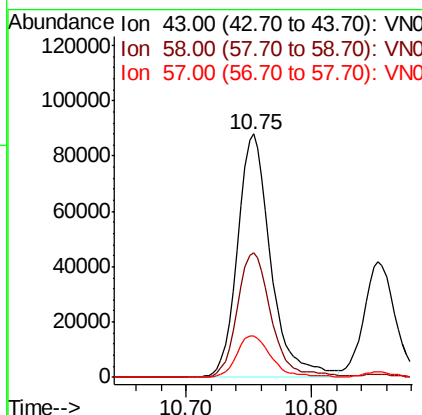
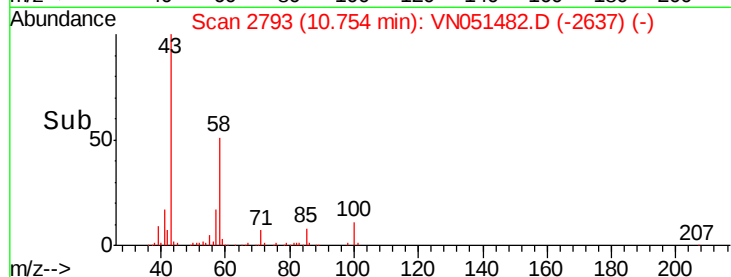
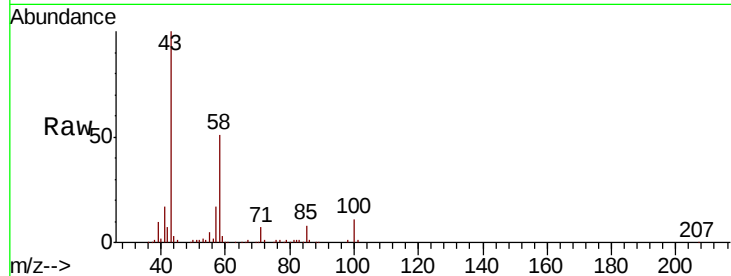
#59
2-Hexanone
Concen: 84.661 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.3	61.9
57	18.3	13.4	20.0

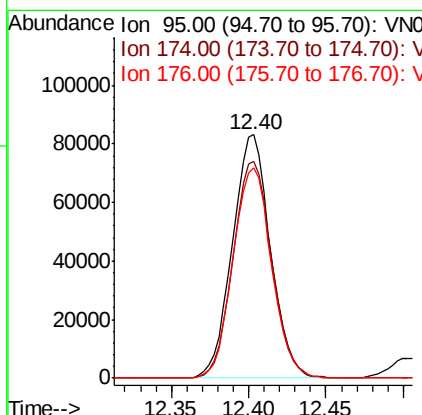
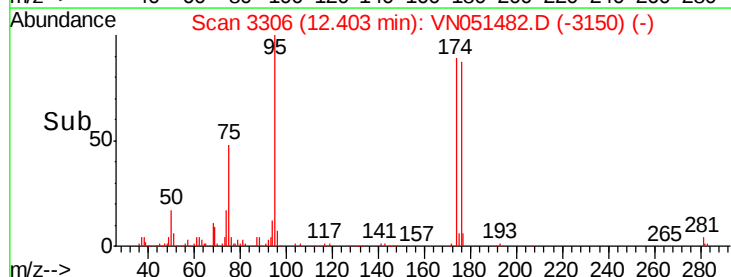
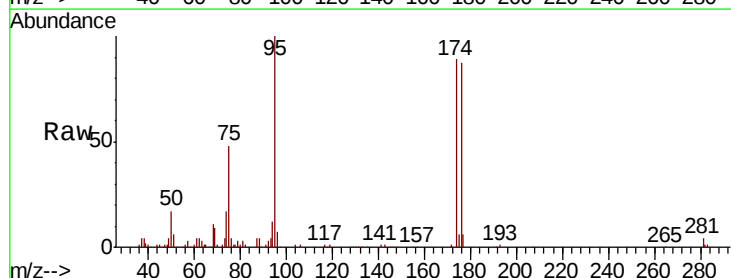
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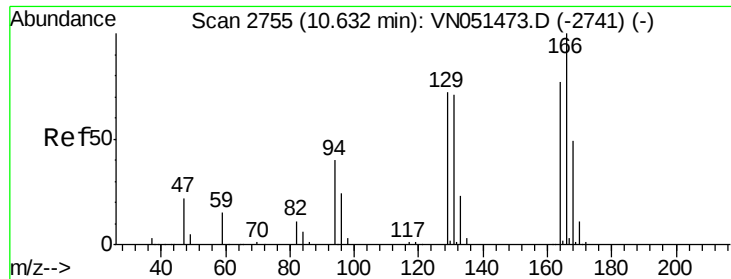
MMDadoda
10/1/2018 11:21:32 AM



#60
4-Bromofluorobenzene
Concen: 29.389 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	73.5	110.3
176	87.8	70.2	105.2





#61

Tetrachloroethene

Concen: 18.036 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0925WBS01

Tot Ion:164 Resp: 68930

Ion Ratio Lower Upper

164 100

166 129.1 98.7 148.1

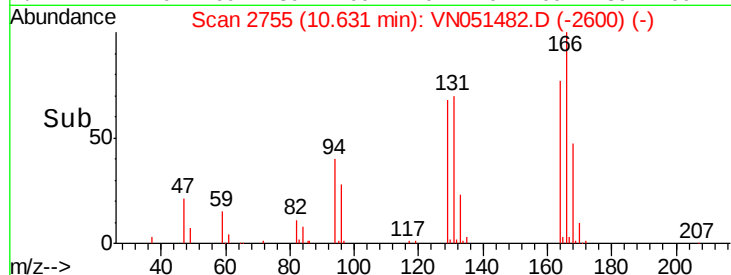
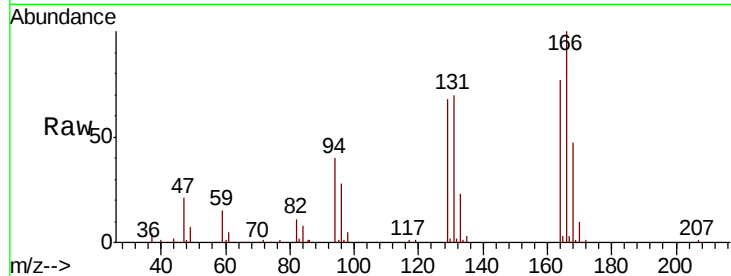
129 88.0 69.6 104.4

131 90.1 72.4 108.6

Manual Integrations
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MMDadoda

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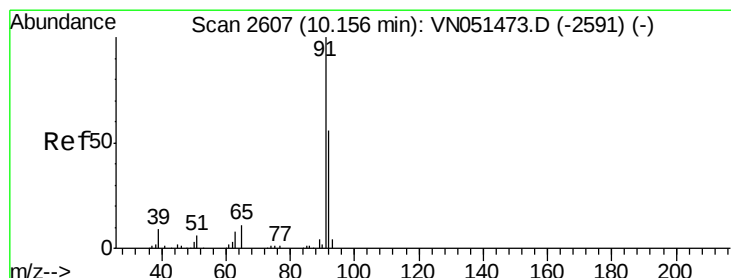
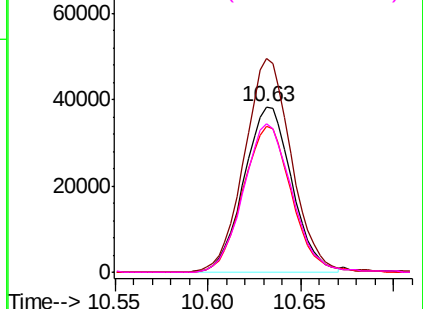


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.044 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051482.D

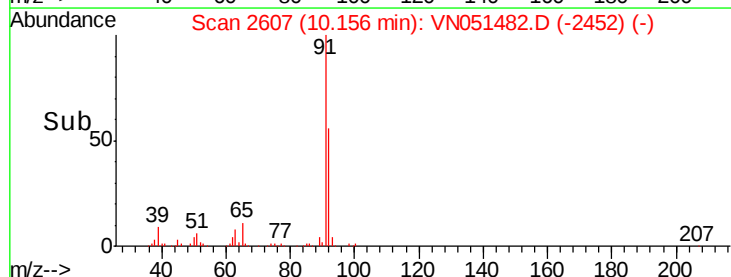
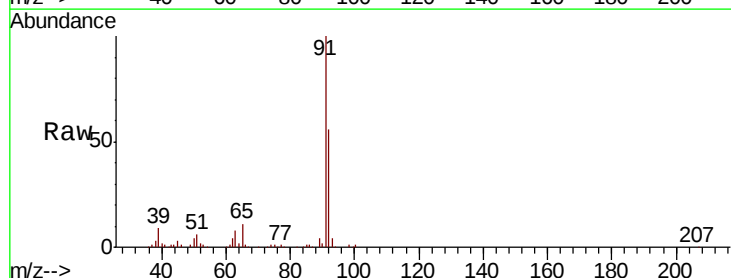
Acq: 25 Sep 2018 14:02

Tgt Ion: 91 Resp: 303437

Ion Ratio Lower Upper

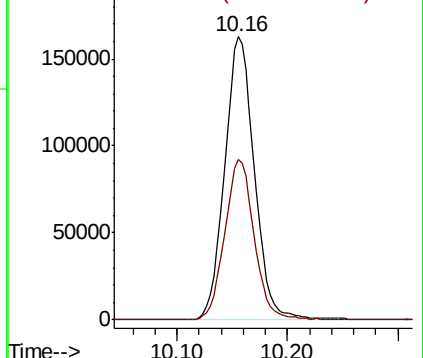
91 100

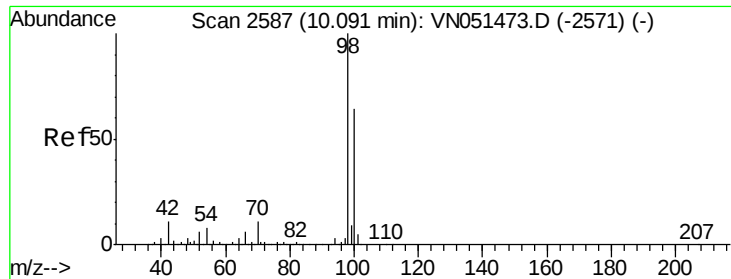
92 56.1 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





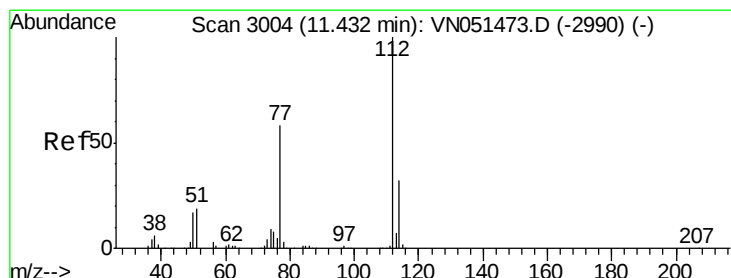
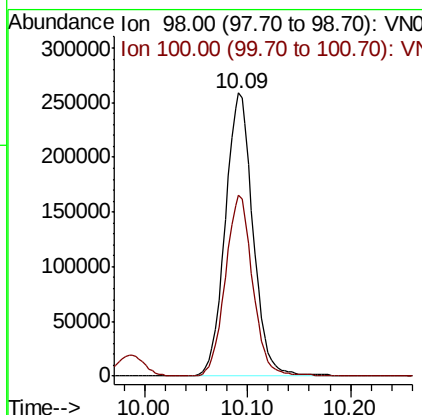
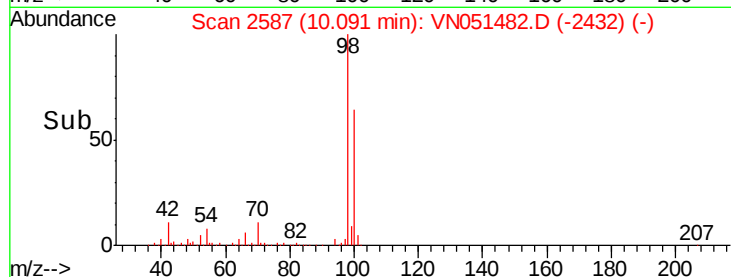
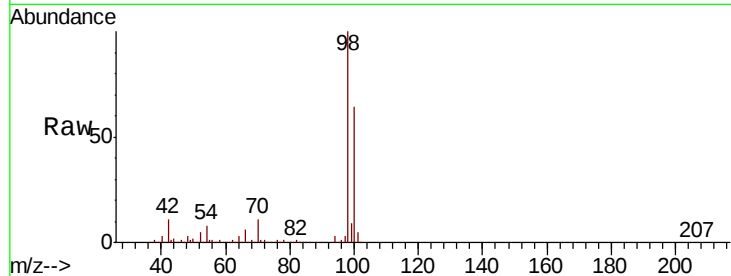
#63
Toluene-d8
Concen: 30.854 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion: 98 Resp: 485968
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2

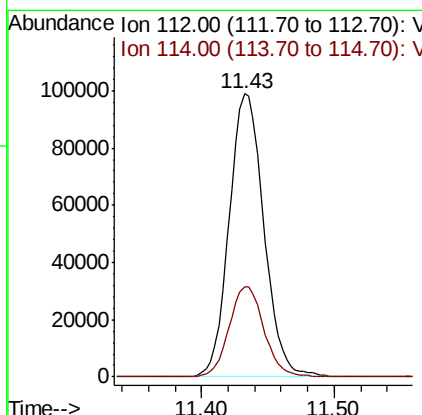
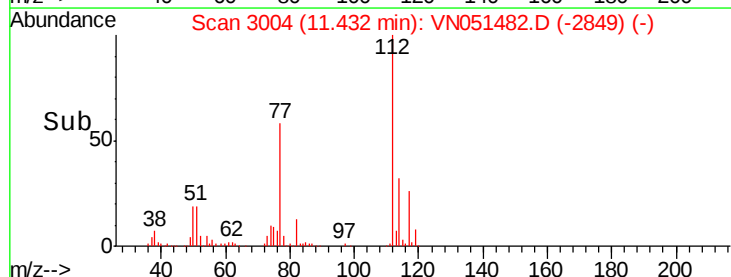
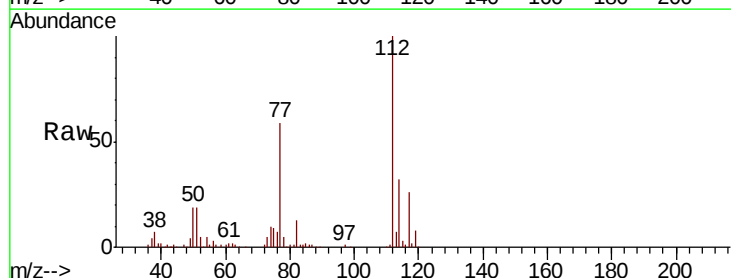
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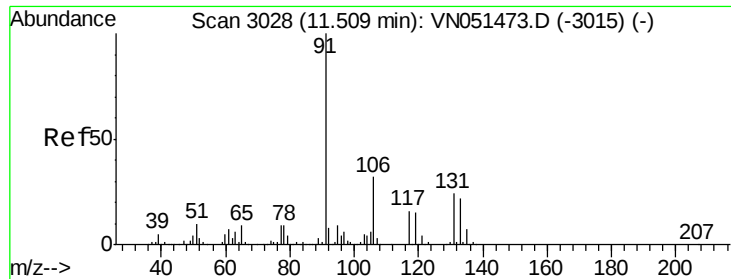
MMDadoda
10/1/2018 11:21:32 AM



#64
Chlorobenzene
Concen: 17.456 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion: 112 Resp: 179981
Ion Ratio Lower Upper
112 100
114 32.0 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 17.186 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

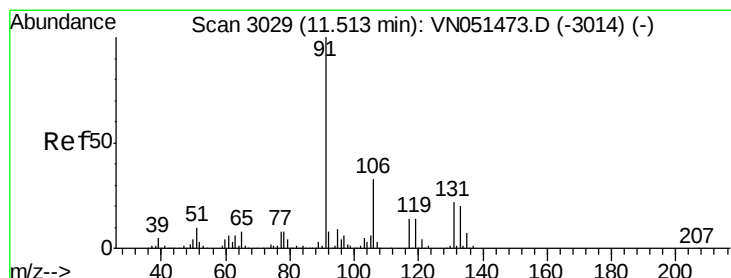
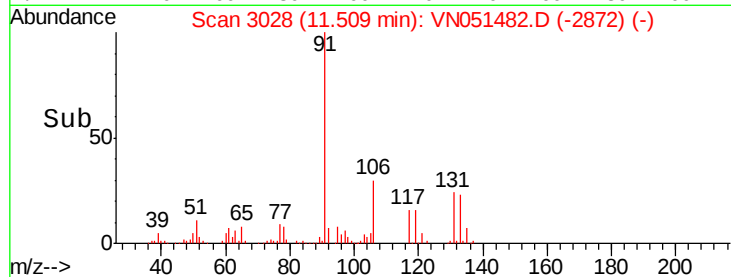
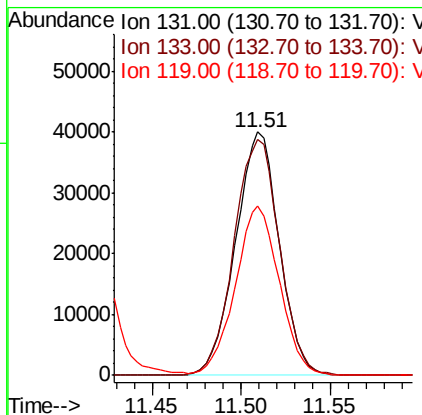
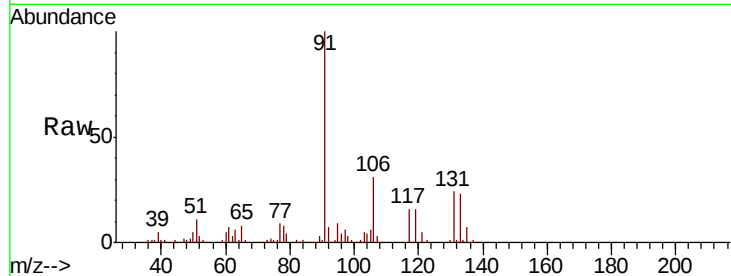
ClientSampleId :

VN0925WBS01

Tot Ion:	131	Resp:	68508
Ion Ratio	Lower	Upper	
131	100		
133	101.0	0.0	190.4
119	70.1	0.0	128.0

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10/1/2018 11:21:32 AM



#66

Ethyl Benzene

Concen: 16.471 ug/l

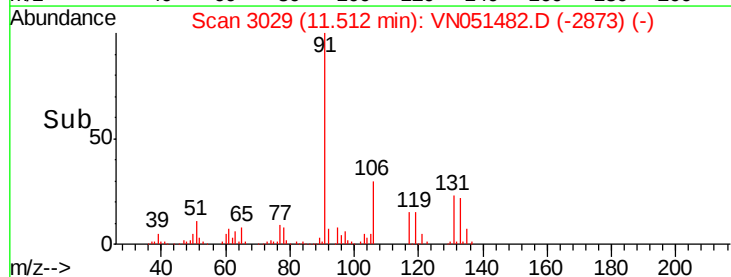
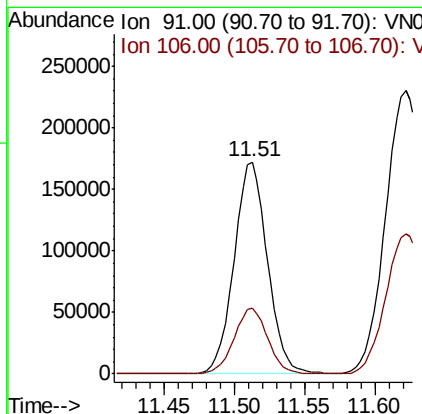
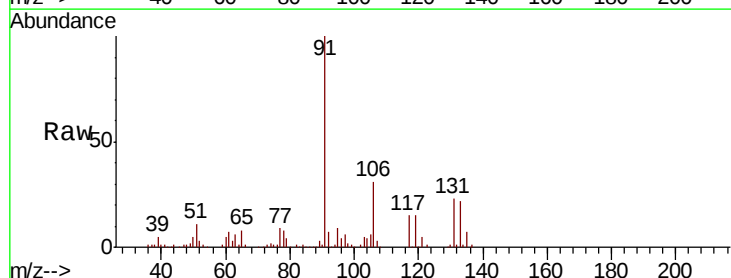
RT: 11.51 min Scan# 3029

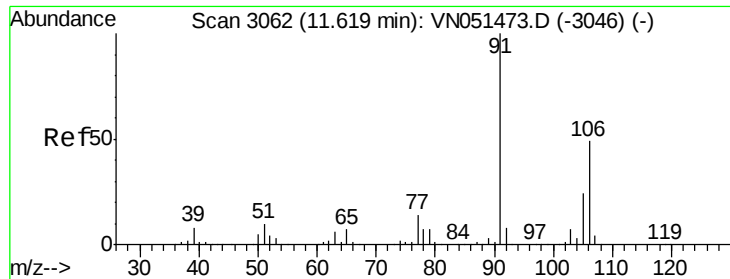
Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion:	91	Resp:	285757
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.9	38.9





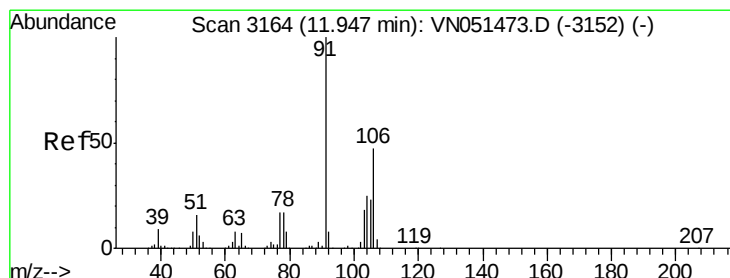
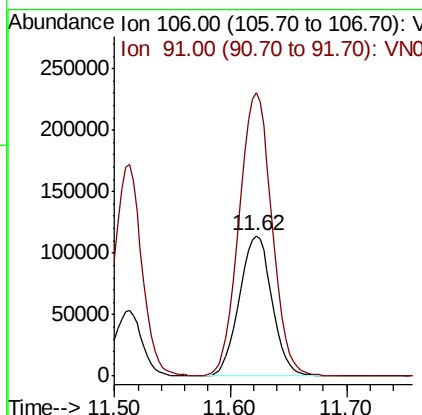
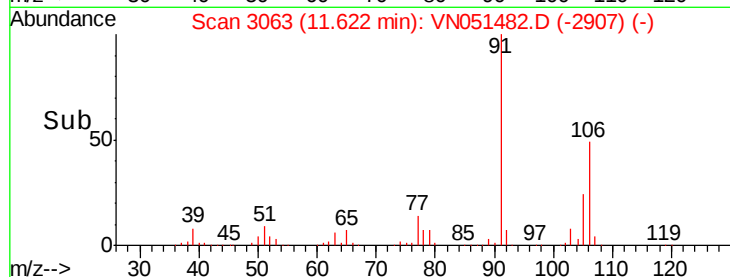
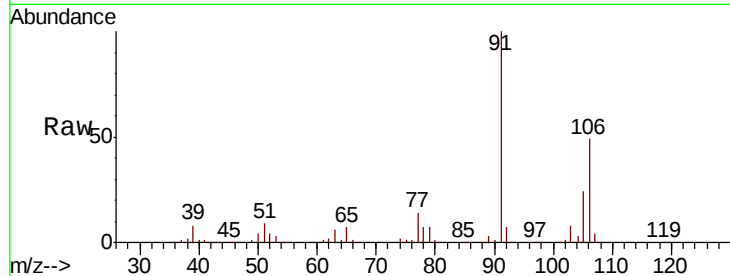
#67
m/p-Xvlenes
Concen: 33.486 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion:106 Resp: 223649
Ion Ratio Lower Upper
106 100
91 202.6 158.8 238.2

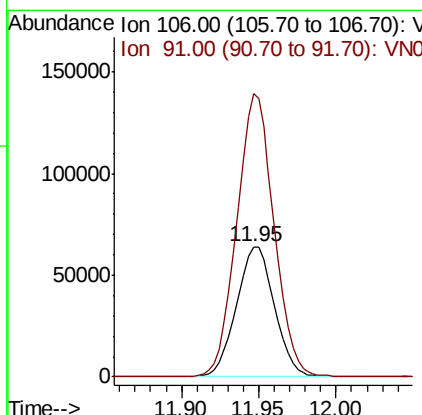
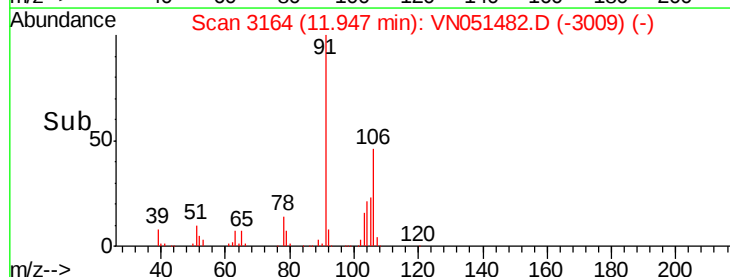
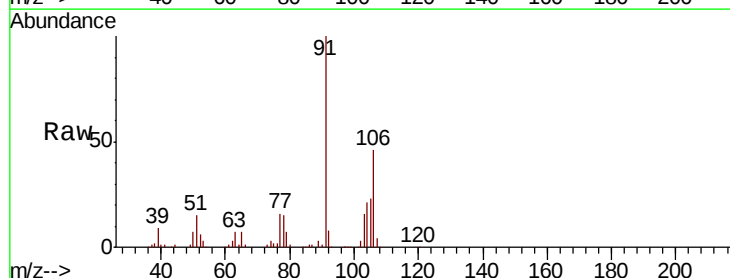
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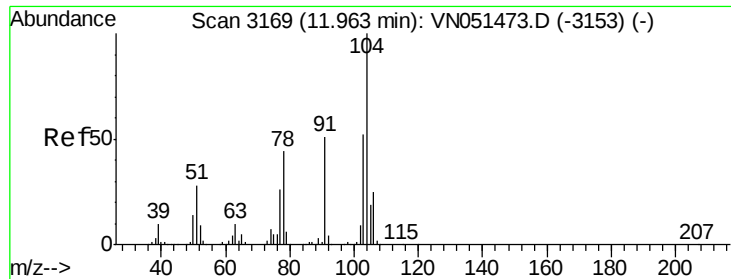
MMDadoda
10/1/2018 11:21:32 AM



#68
o-Xylene
Concen: 17.187 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:106 Resp: 109329
Ion Ratio Lower Upper
106 100
91 212.2 111.1 333.3





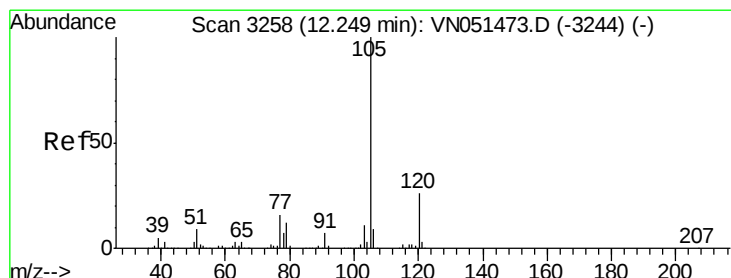
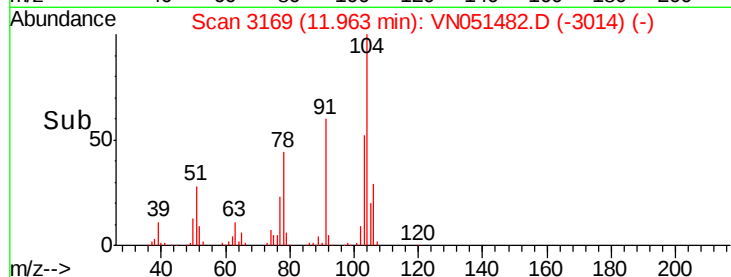
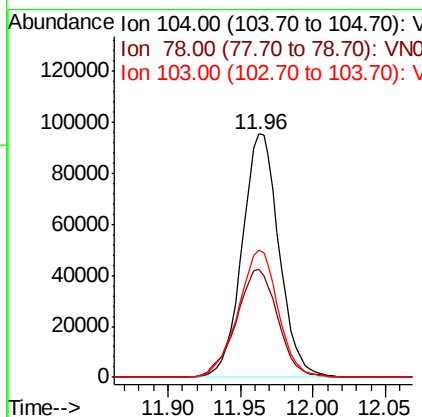
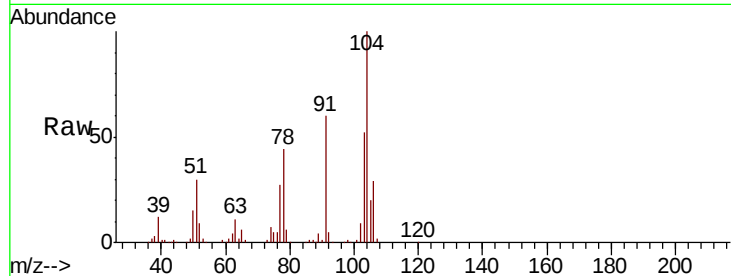
#69
Stvrene
Concen: 16.852 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	169338		
78	49.9		40.6	60.8
103	56.6		44.0	66.0

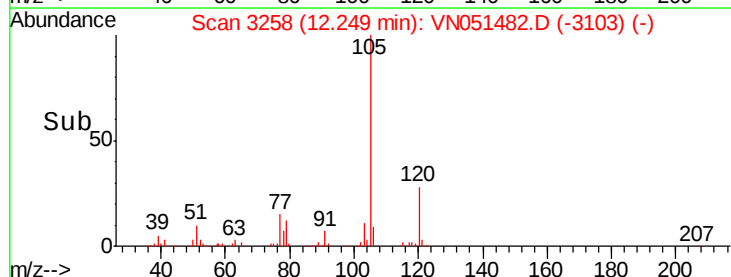
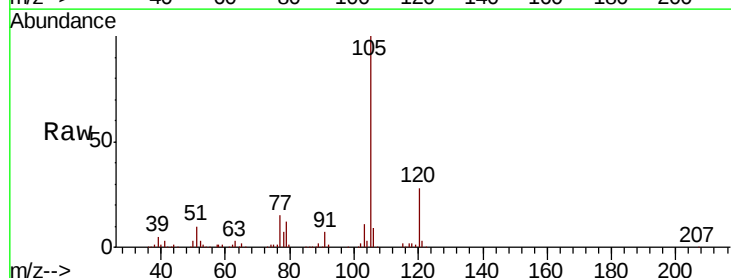
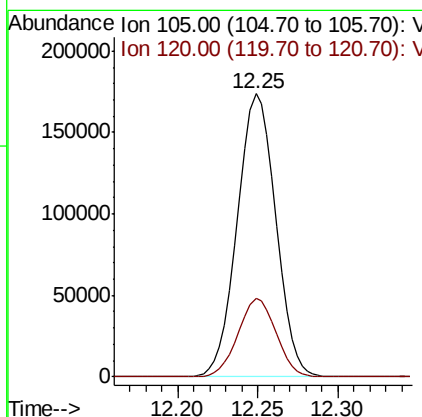
Manual Integrations
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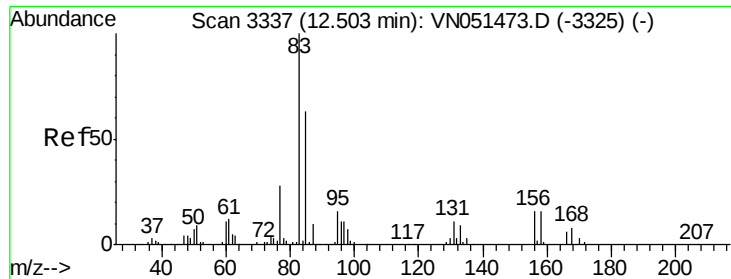
MMDadoda
10/1/2018 11:21:32 AM



#70
Isopropylbenzene
Concen: 16.721 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284668		
120	27.4		19.0	35.4





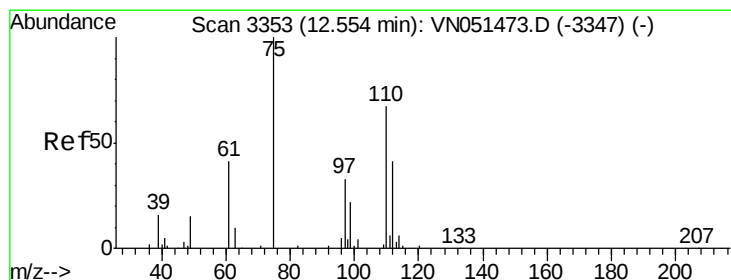
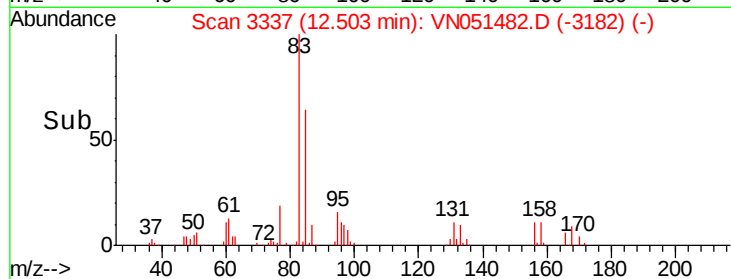
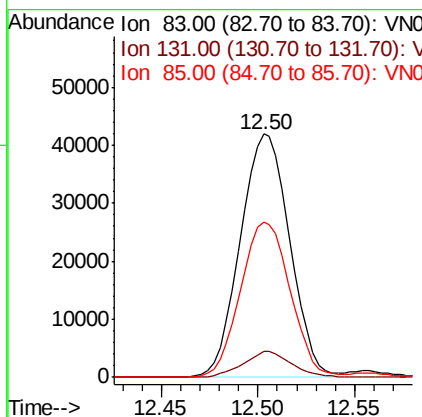
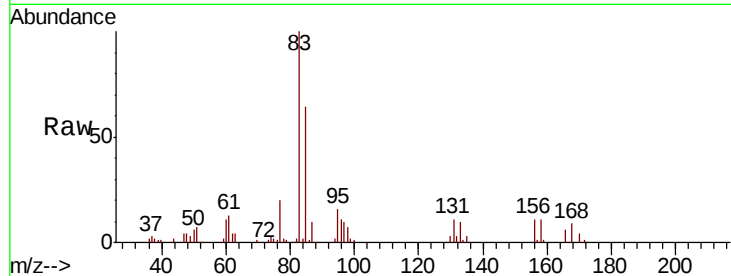
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.600 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	83	Resp	74538
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	64.2	30.6	91.8

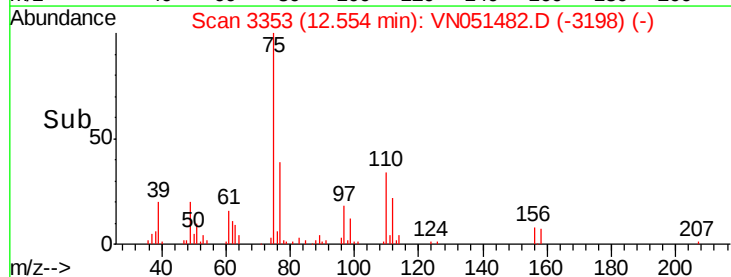
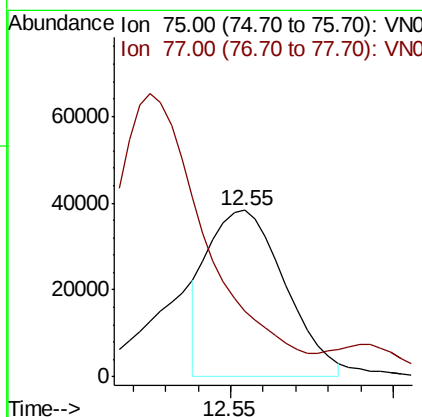
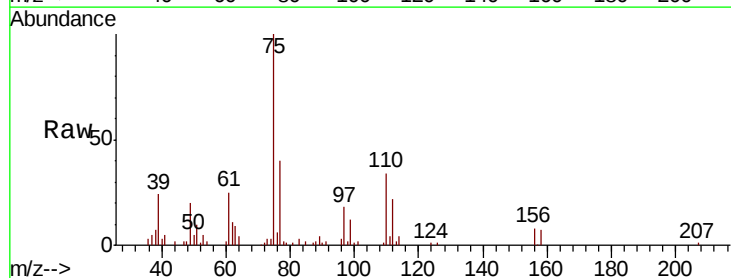
Manual Integrations
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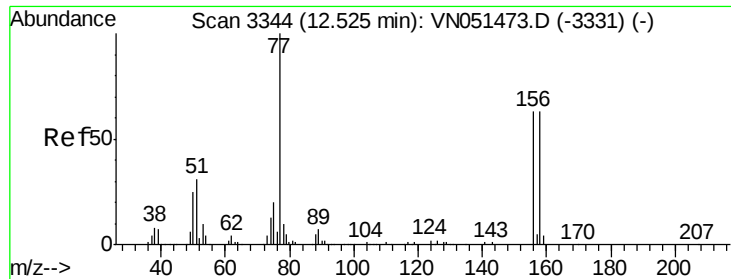
MMDadoda
 10/1/2018 11:21:32 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.987 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	75	Resp	63165
Ion Ratio	100	Lower	Upper
75	100		
77	210.8	0.0	400.0





#73

Bromobenzene

Concen: 16.700 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

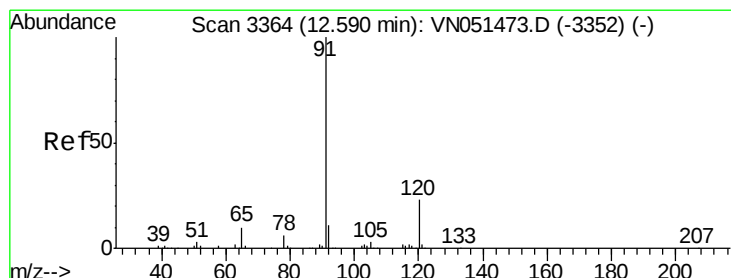
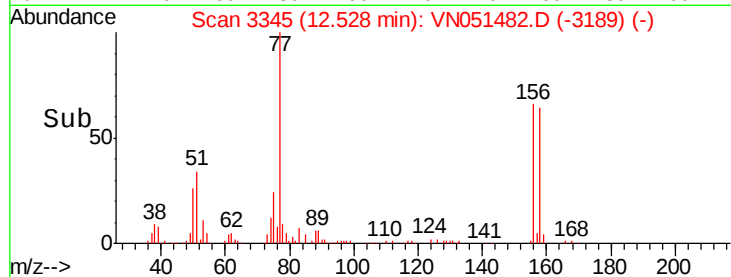
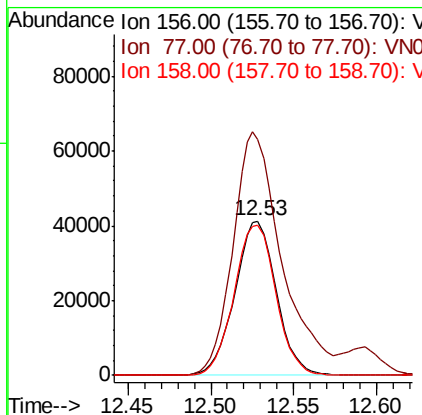
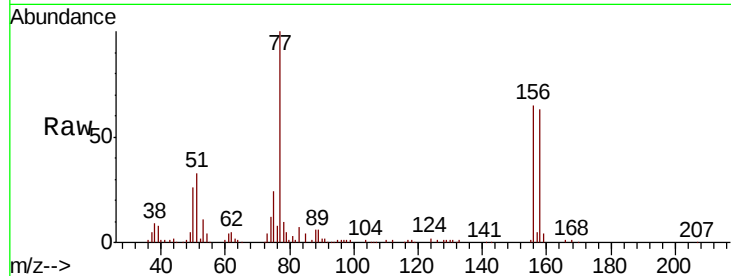
ClientSampled :

VN0925WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		71651		
77	185.8	0.0	377.4		
158	98.5	0.0	203.0		

Manual Integrations
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10/1/2018 11:21:32 AM



#74

n-propylbenzene

Concen: 15.902 ug/l

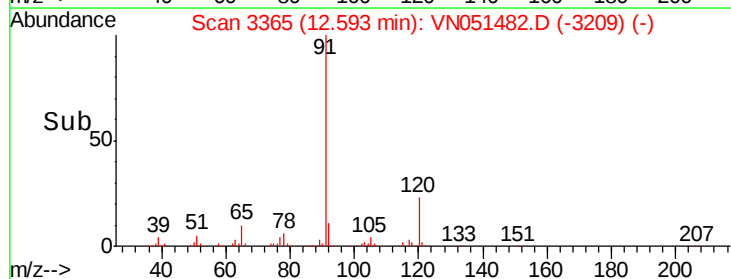
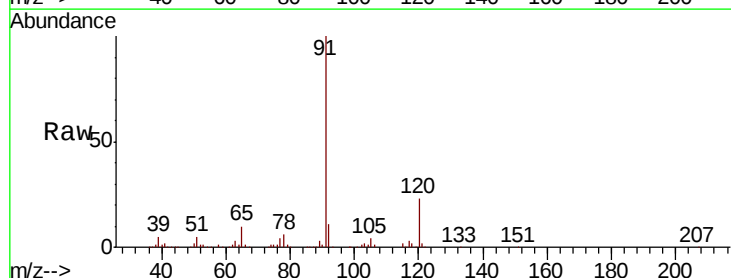
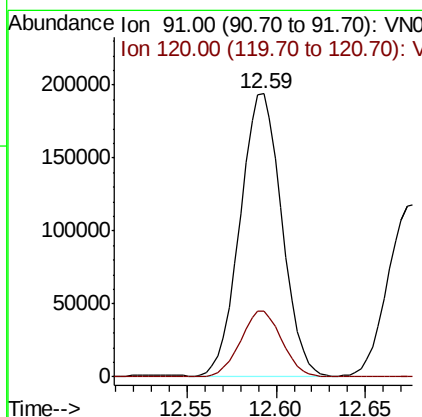
RT: 12.59 min Scan# 3365

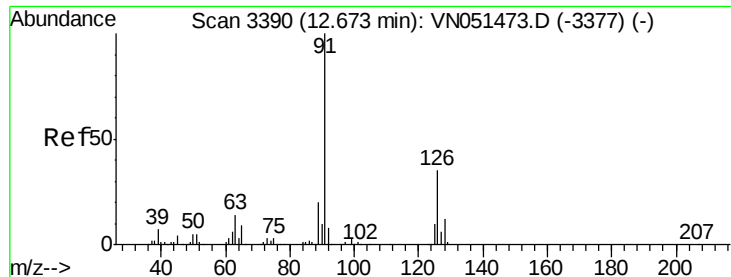
Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		314730		
120	23.1	0.0	45.0		





#75

2-Chlorotoluene

Concen: 16.954 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion: 91 Resp: 198024

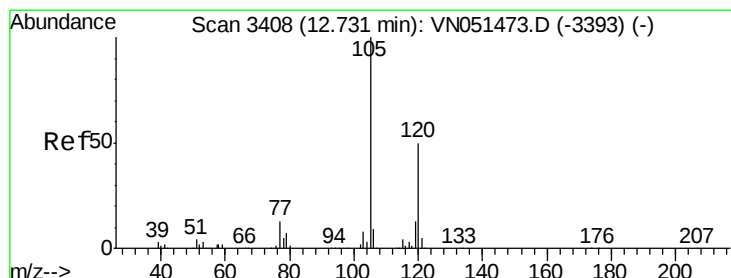
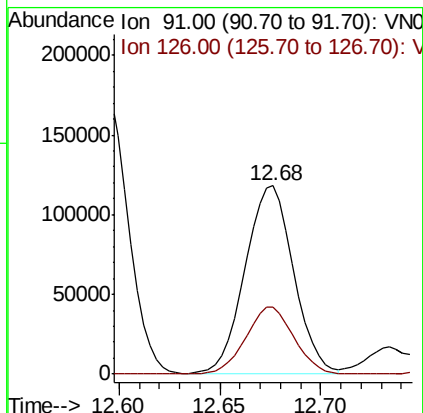
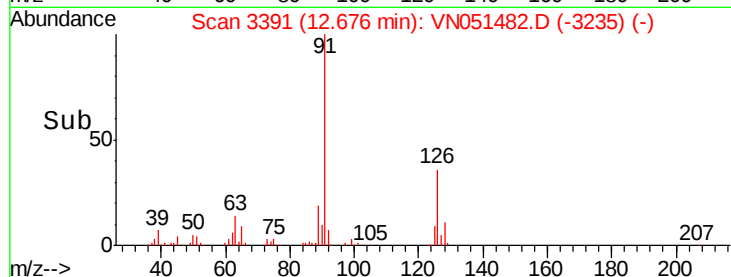
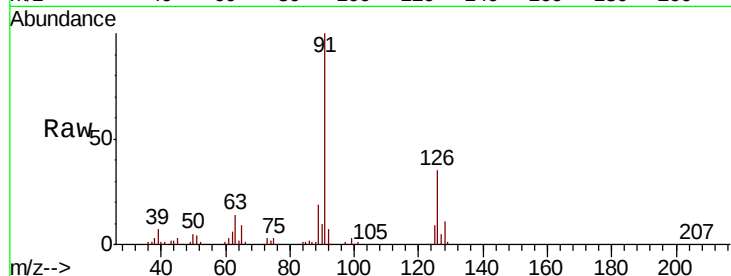
Ion Ratio Lower Upper

91 100

126 35.3 0.0 67.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 17.011 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051482.D

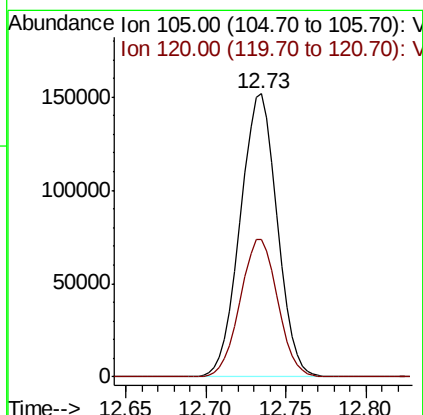
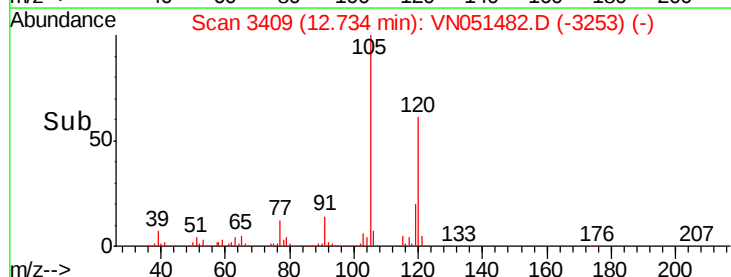
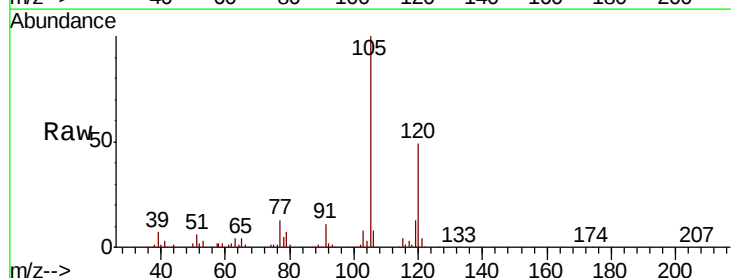
Acq: 25 Sep 2018 14:02

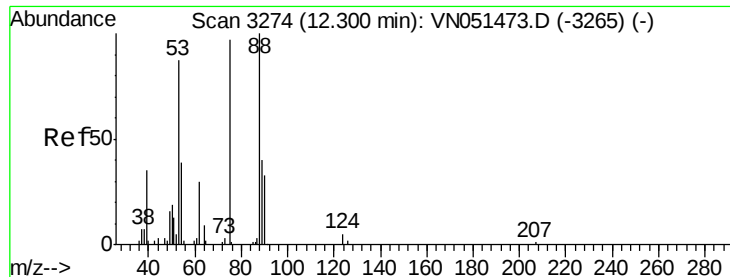
Tgt Ion: 105 Resp: 238958

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.255 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

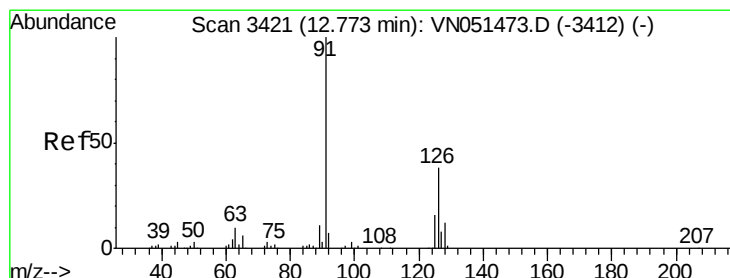
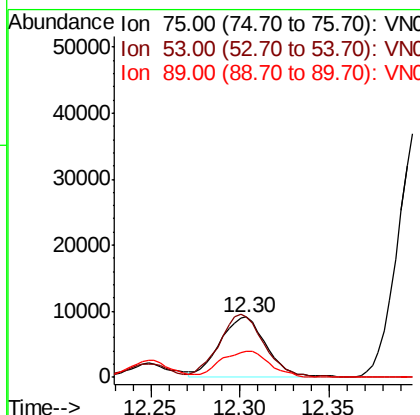
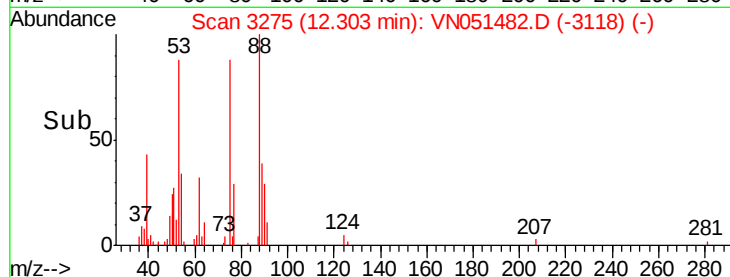
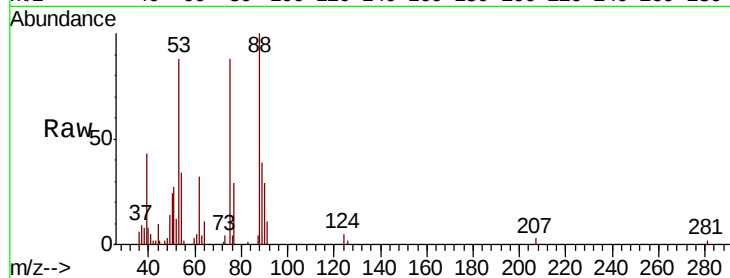
ClientSampleId :

VN0925WBS01

Tot Ion:	75	Resp:	16626
Ion	Ratio	Lower	Upper
75	100		
53	100.5	46.3	138.9
89	43.9	24.6	73.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 16.396 ug/l

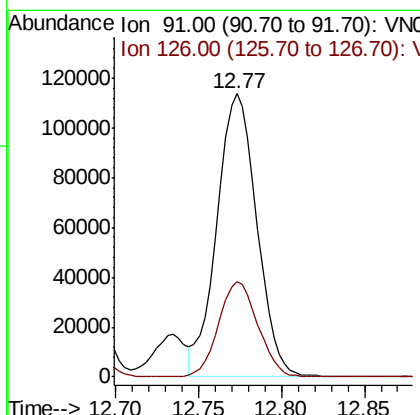
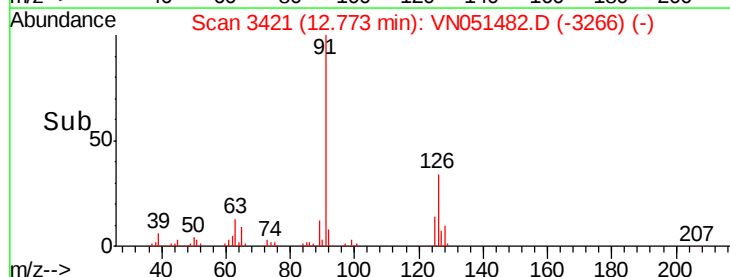
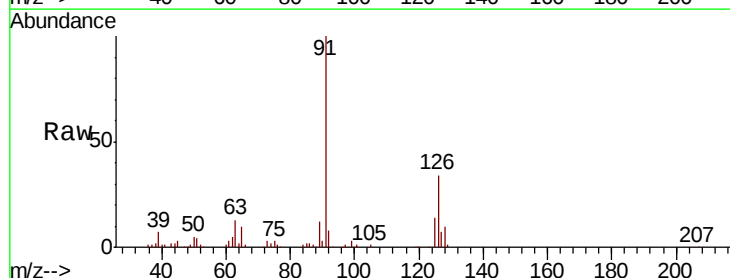
RT: 12.77 min Scan# 3421

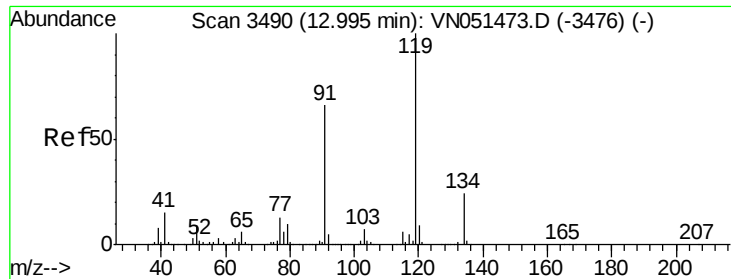
Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Tgt Ion:	91	Resp:	189942
Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	65.2





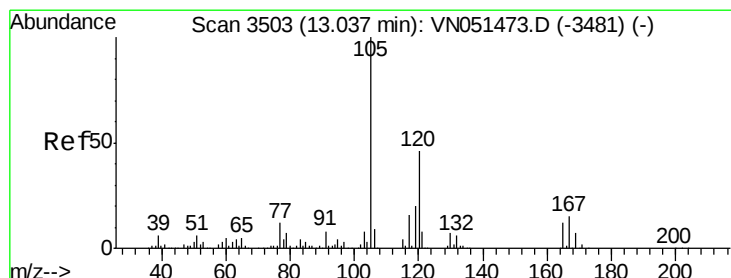
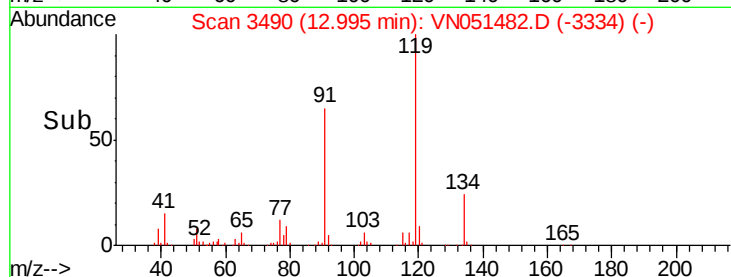
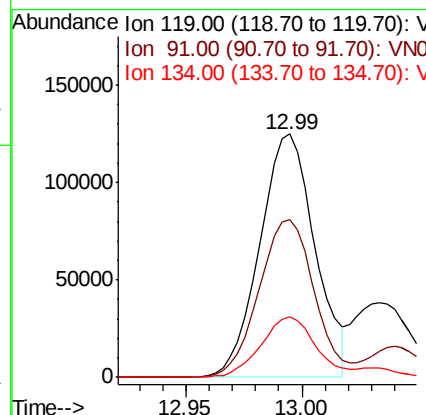
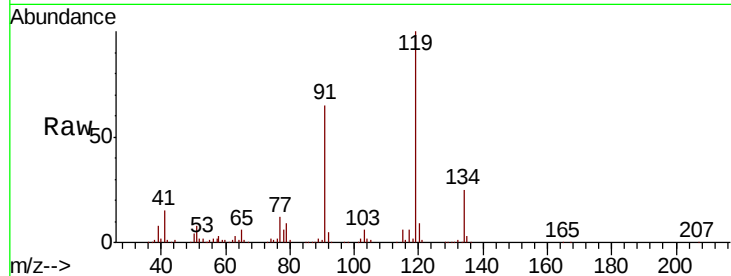
#79
tert-butylbenzene
Concen: 16.970 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	207550		
91	64.9	0.0	131.6	
134	24.4	0.0	46.2	

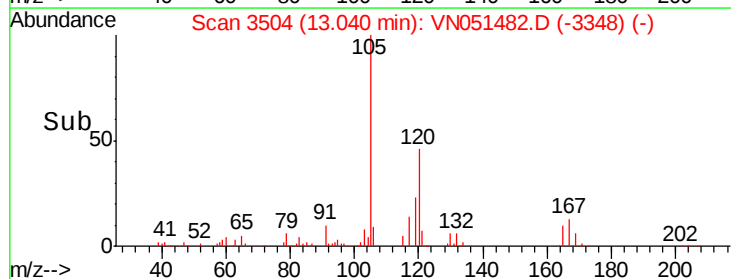
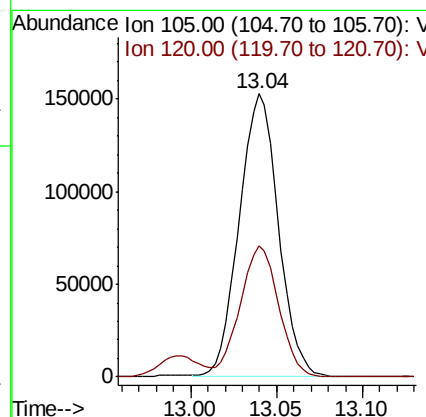
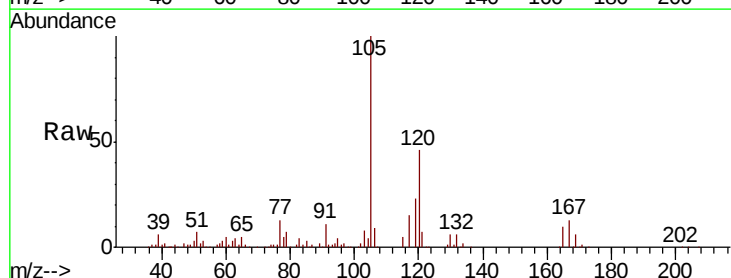
Manual Integrations
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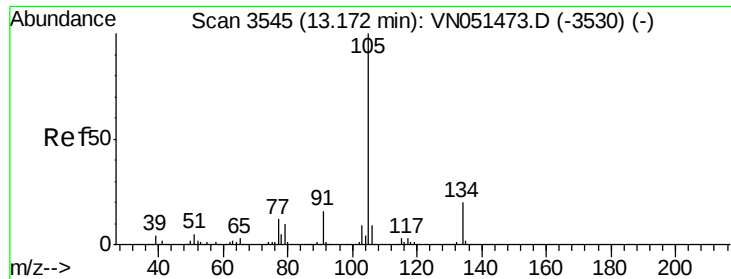
MMDadoda
10/1/2018 11:21:32 AM



#80
1,2,4-Trimethylbenzene
Concen: 17.116 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241711		
120	45.8	0.0	89.6	





#81

sec-Butylbenzene

Concen: 16.944 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBS01

Tot Ion:105 Resp: 285079

Ion Ratio Lower Upper

105 100

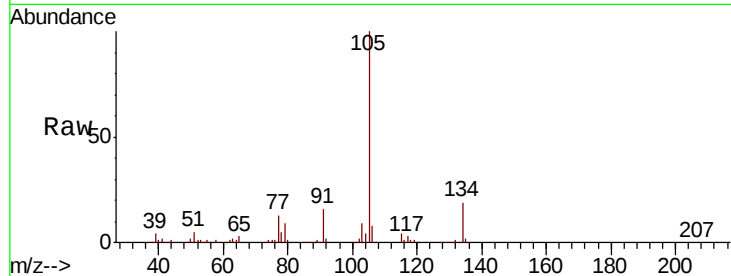
134 19.7 0.0 39.4

Manual Integrations

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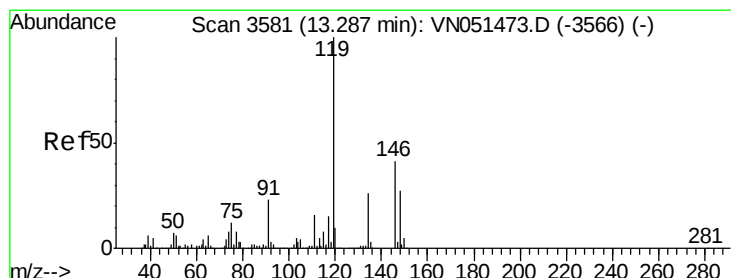
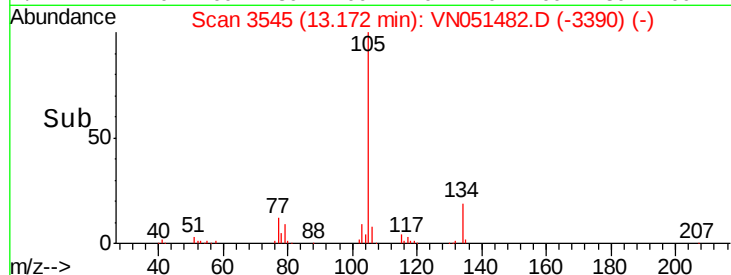
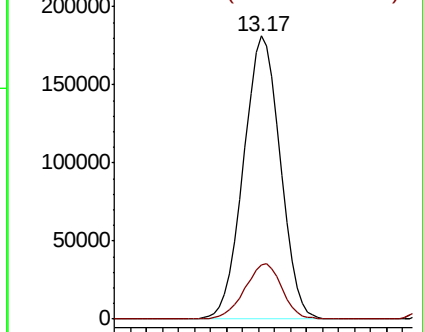
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 16.238 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051482.D

Acq: 25 Sep 2018 14:02

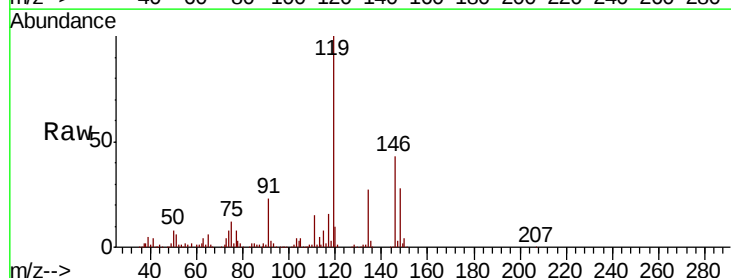
Tgt Ion:119 Resp: 235835

Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.6

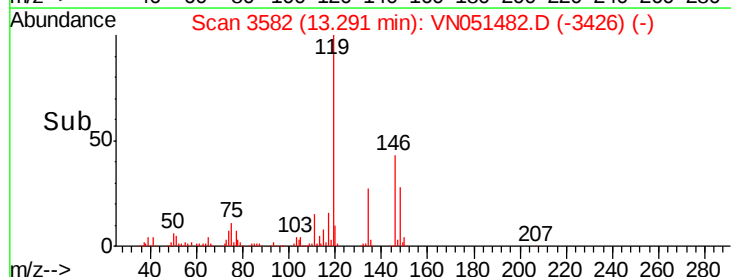
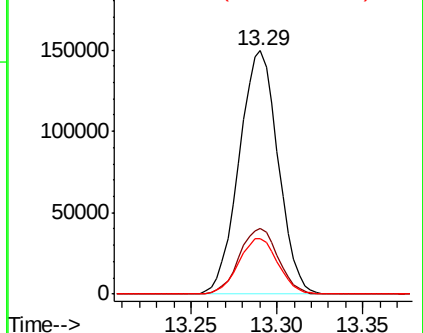
91 23.1 0.0 52.0

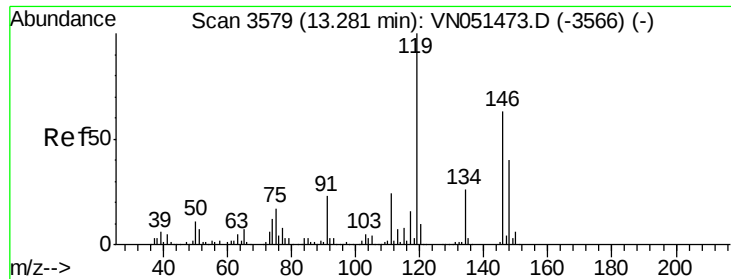


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





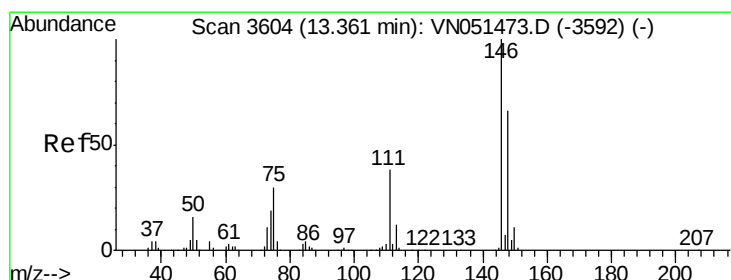
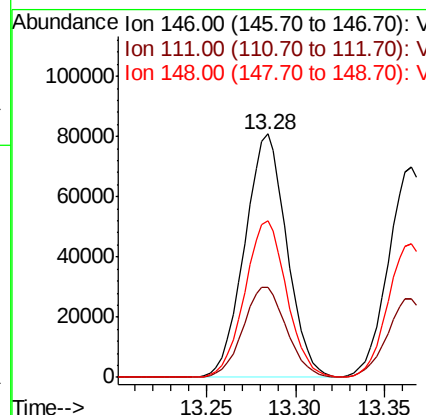
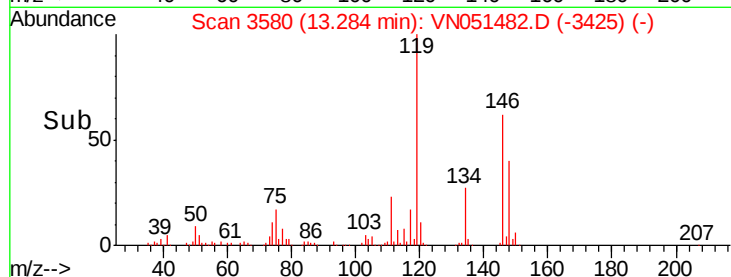
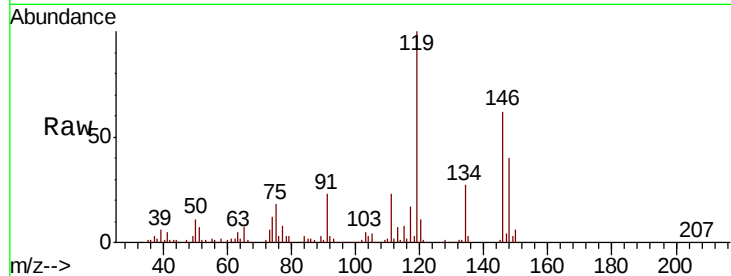
#83
 1,3-Dichlorobenzene
 Concen: 17.754 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.3
148	63.9	31.3	93.8

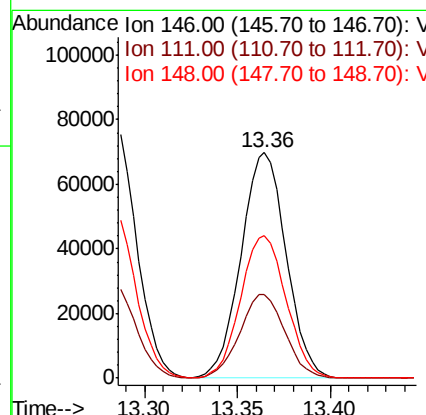
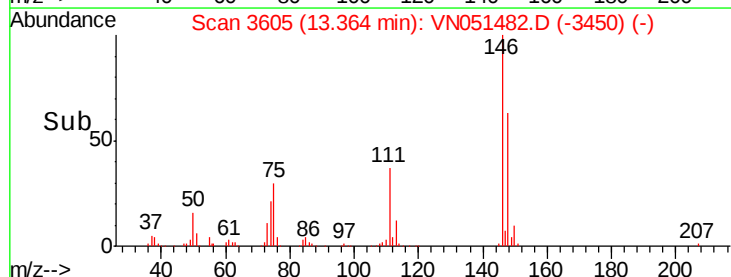
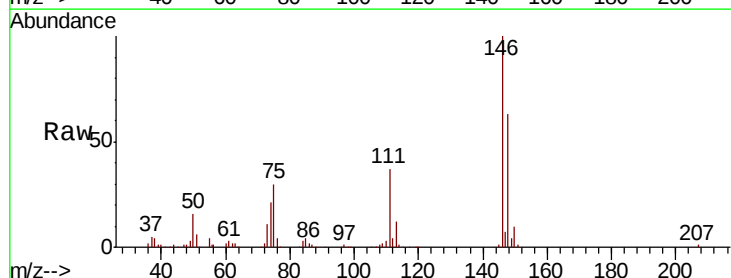
Manual Integrations
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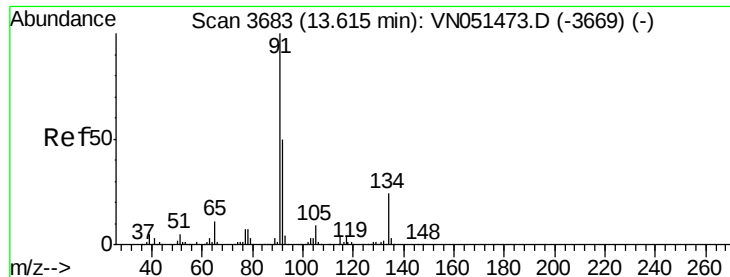
MMDadoda
 10/1/2018 11:21:32 AM



#84
 1,4-Dichlorobenzene
 Concen: 16.705 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.4	52.2
148	63.9	32.8	98.3





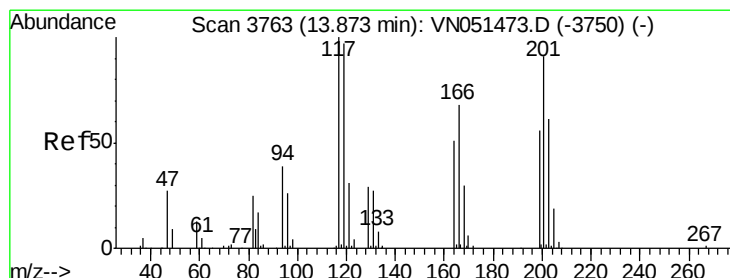
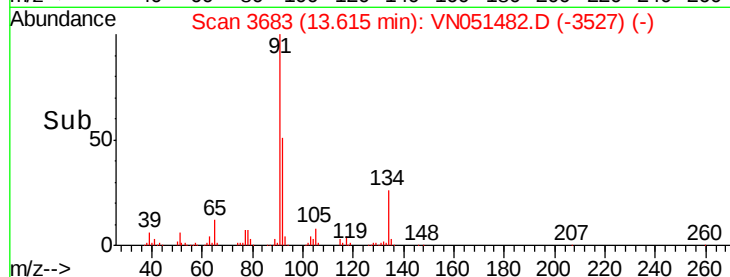
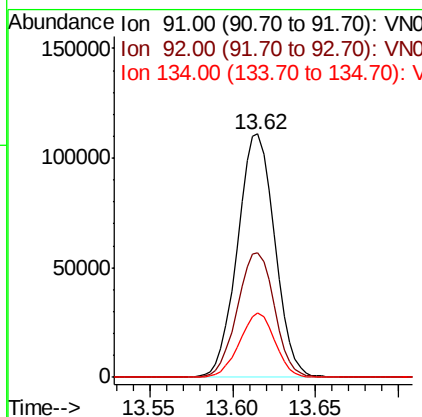
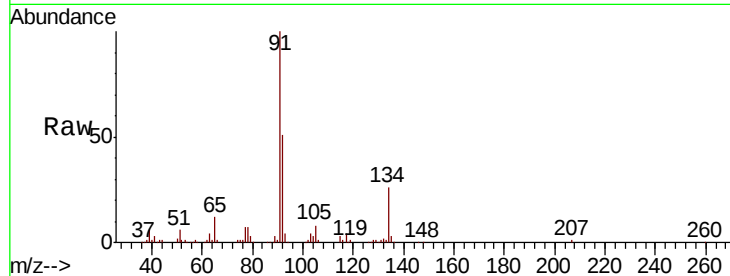
#85
n-Butylbenzene
Concen: 14.618 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0925WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	0.0	97.4
134	25.0	0.0	49.6

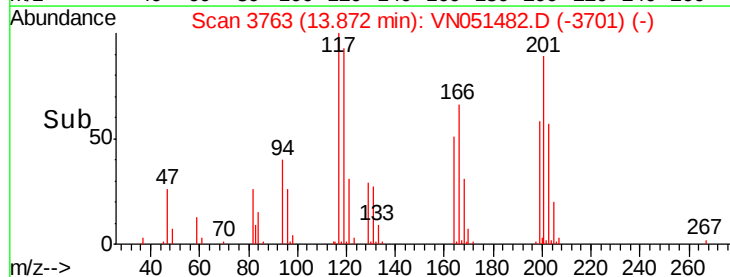
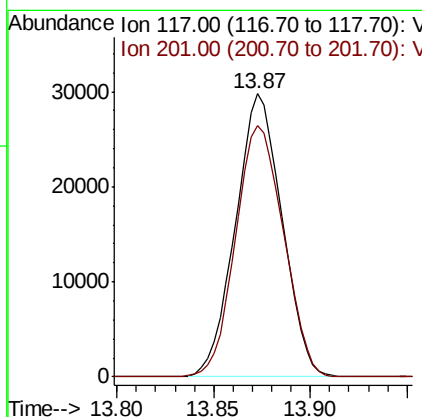
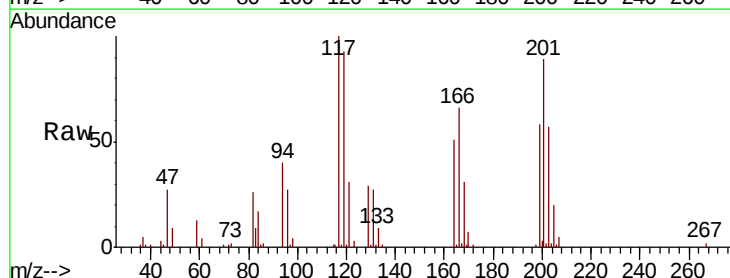
Manual Integrations
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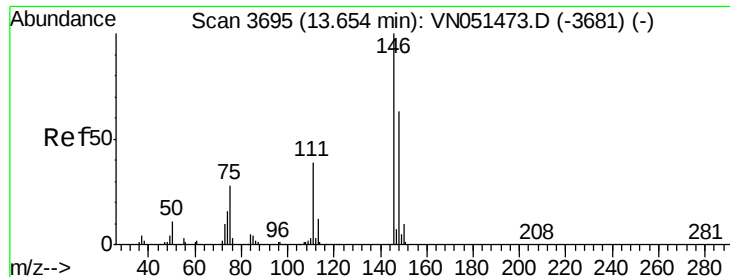
MMDadoda
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#86
Hexachloroethane
Concen: 17.141 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	47.8	143.3





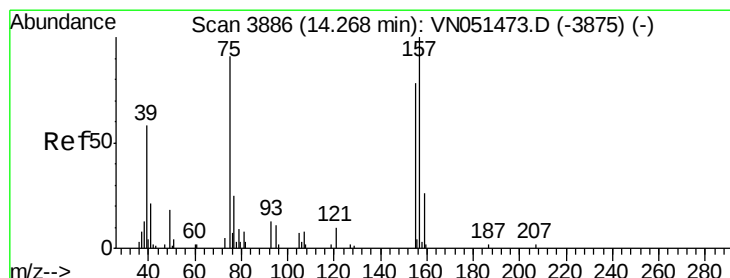
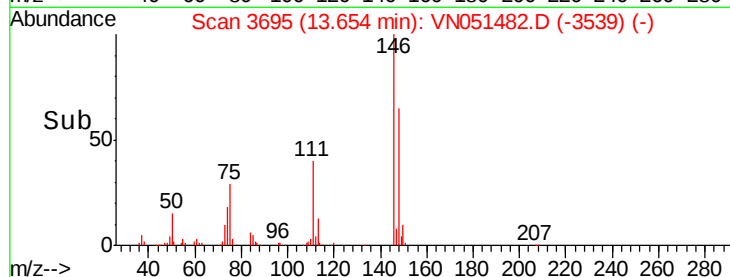
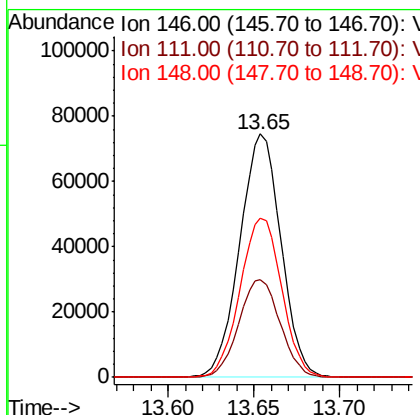
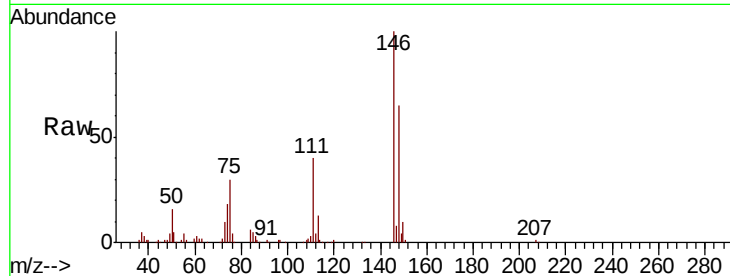
#87
 1,2-Dichlorobenzene
 Concen: 17.449 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	66.0	33.2	99.6

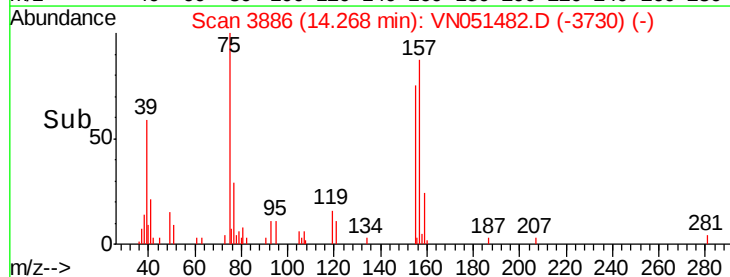
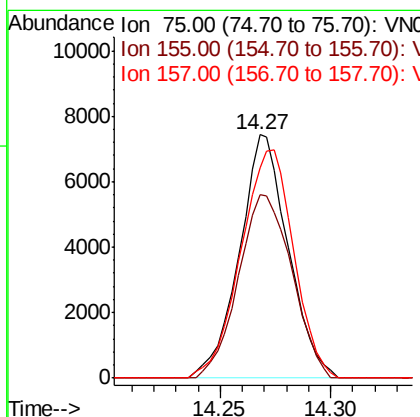
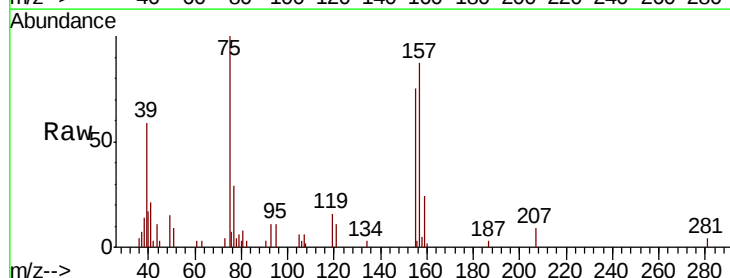
Manual Integrations
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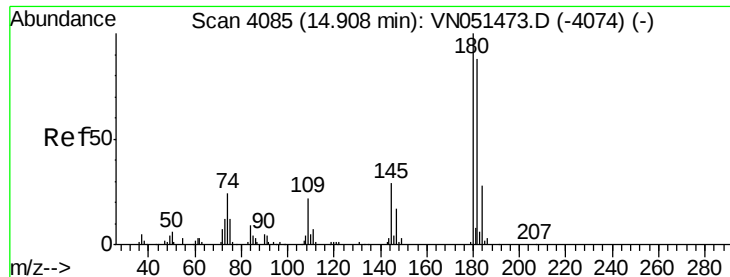
MMDadoda
 10/1/2018 11:21:32 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.323 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	57.0	85.6
157	101.2	87.4	131.0





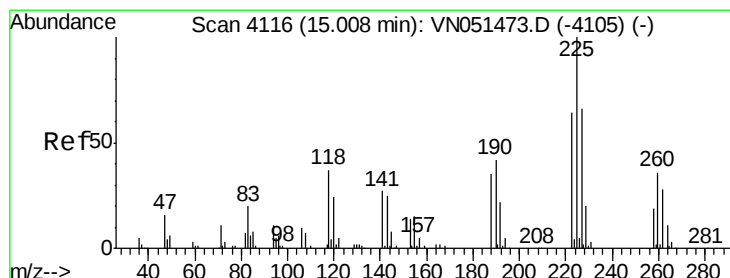
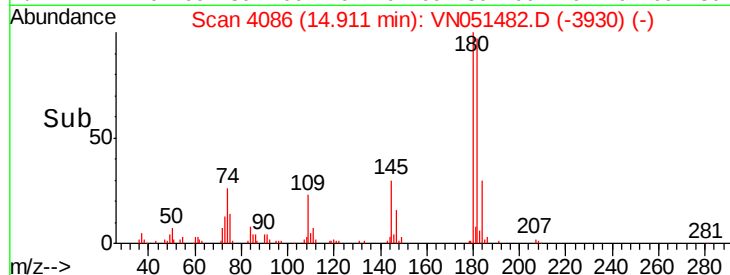
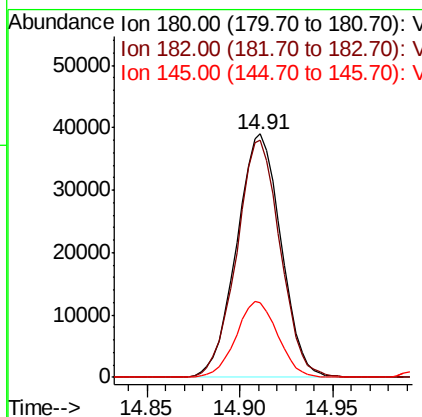
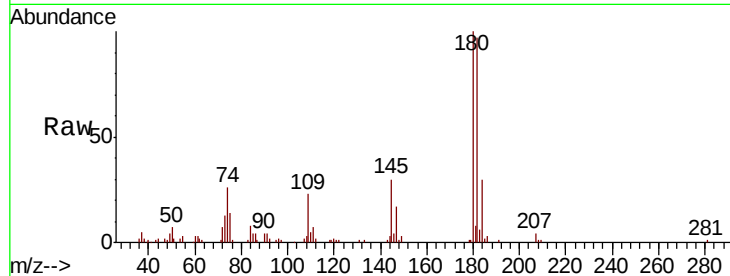
#89
 1,2,4-Trichlorobenzene
 Concen: 18.218 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.7	116.5
145	29.3	23.4	35.2

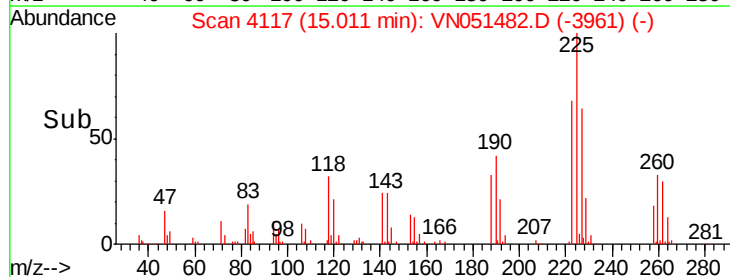
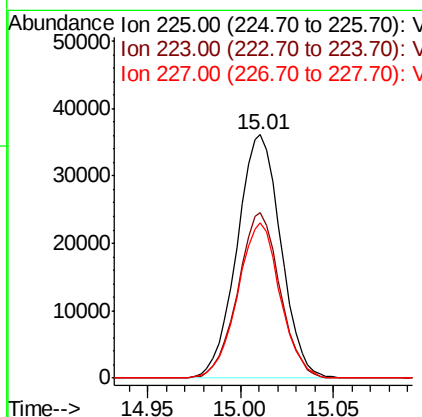
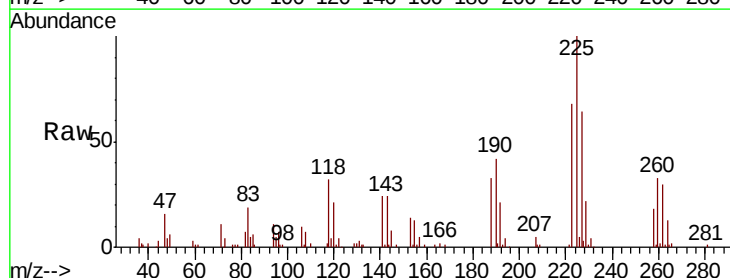
Manual Integrations
 APPROVED

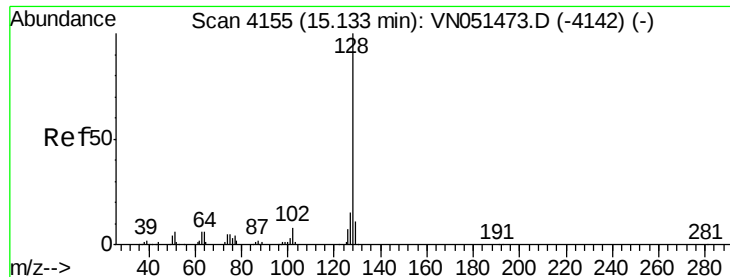
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 10/1/2018 11:21:32 AM



#90
 Hexachlorobutadiene
 Concen: 21.627 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051482.D
 Acq: 25 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	0.0	117.0
227	61.6	0.0	127.0





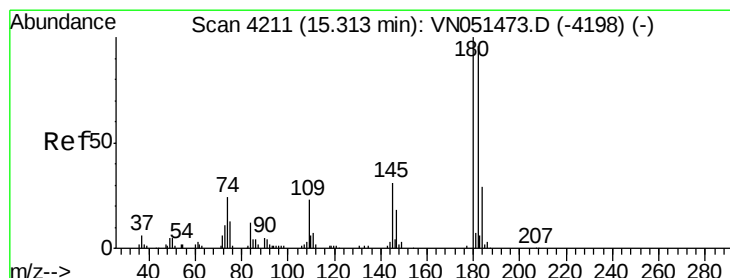
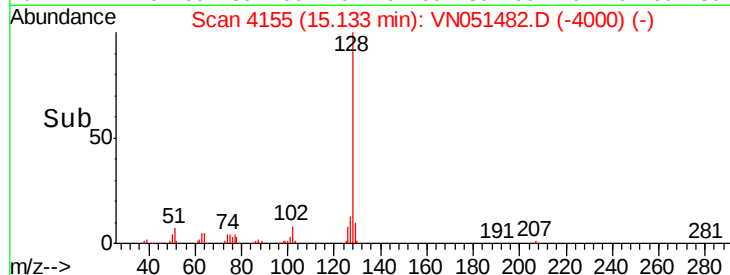
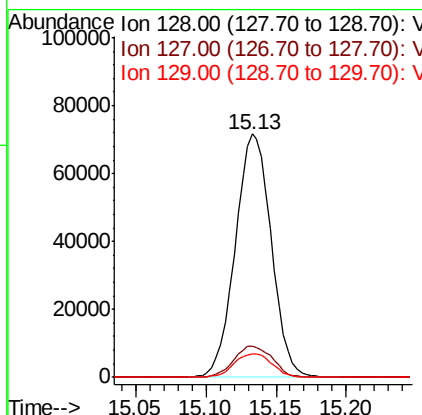
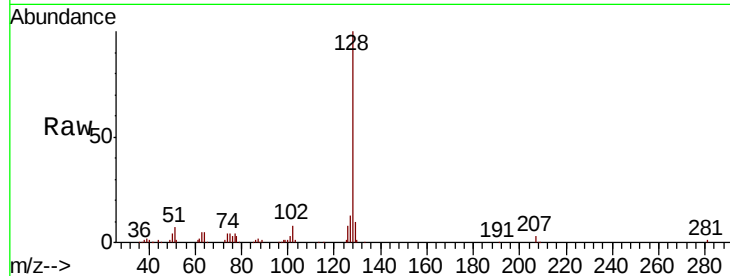
#91
Naphthalene
Concen: 19.093 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBS01

Tot Ion:	128	Resp:	128024
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.1	15.1
129	10.3	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:32 AM



#92
1,2,3-Trichlorobenzene
Concen: 13.052 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051482.D
Acq: 25 Sep 2018 14:02

Tgt Ion:	180	Resp:	46821
Ion Ratio	Lower	Upper	
180	100		
182	93.8	0.0	198.0
145	30.3	0.0	36.8

