

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051972.D
 Acq On : 23 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampled :
 VN1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:10:11 AM

Quant Time: Oct 24 07:48:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161117	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	909881	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	821010	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288589	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	348969	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.09	98	1060328	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	133926	21.396	ug/l 98
3) Chloromethane	2.06	50	118347	17.890	ug/l 96
4) Vinyl Chloride	2.19	62	149628	15.146	ug/l 97
5) Bromomethane	2.57	94	152126	17.428	ug/l 83
6) Chloroethane	2.71	64	116647	16.384	ug/l 98
7) Trichlorofluoromethane	3.03	101	280973	19.949	ug/l 96
8) Diethyl Ether	3.41	74	82070	20.016	ug/l 68
9) 1,1,2-Trichlorotrifluoroet	3.77	101	164573	20.517	ug/l # 35
10) 1,1-Dichloroethene	3.74	96	153530	20.697	ug/l # 79
11) Methyl Iodide	3.96	142	247841	22.983	ug/l 95
12) Methyl Acetate	4.33	43	87810	19.063	ug/l 95
13) Acrolein	3.62	56	8378m	27.605	ug/l
14) Acrylonitrile	4.99	53	186857	90.763	ug/l # 59
15) Acetone	3.82	58	42653	83.810	ug/l 92
16) Carbon Disulfide	4.06	76	336940	17.295	ug/l 96
17) Allyl chloride	4.33	41	142458	16.176	ug/l 73
18) Methylene Chloride	4.55	84	172215	20.764	ug/l 87
19) trans-1,2-Dichloroethene	5.05	96	168179	19.855	ug/l # 78
20) Diisopropyl ether	5.95	45	367590	18.741	ug/l # 85
21) 1,1-Dichloroethane	5.85	63	267165	19.494	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	199489	20.051	ug/l # 79
23) tert-Butyl Alcohol	4.77	59	34710	64.016	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	389334	18.217	ug/l # 65
25) Chloroform	7.37	83	329765	20.282	ug/l 98
26) Cyclohexane	7.66	56	208973	17.985	ug/l # 71
29) 1,1-Dichloropropene	7.80	75	221039	18.846	ug/l 93
30) 2-Butanone	6.84	43	199630	81.436	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	231485m	16.778	ug/l
32) 1,1,1-Trichloroethane	7.57	97	303494	19.518	ug/l # 93
33) Carbon Tetrachloride	7.78	117	258425	18.370	ug/l 92
34) Benzene	8.04	78	686465	19.787	ug/l # 65
35) Methacrylonitrile	7.18	41	51449	15.975	ug/l 82
36) 1,2-Dichloroethane	8.13	62	221200	19.899	ug/l 97
37) Trichloroethene	8.84	130	216824	20.133	ug/l 97
38) Methylcyclohexane	9.08	83	267330	17.771	ug/l 78
39) 1,2-Dichloropropane	9.12	63	158071	19.347	ug/l 93
40) Dibromomethane	9.21	93	120769	19.916	ug/l 94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
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 ClientSampleID :
 VN1023WBSD01

Manual Integrations
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MMDadoda
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Quant Time: Oct 24 07:48:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	230714	18.420	ug/l	95
42) Vinyl Acetate	5.90	43	1191680	86.356	ug/l #	89
43) Ethyl Acetate	6.93	43	89934	16.896	ug/l	99
44) Isopropyl Acetate	8.17	43	175678	16.524	ug/l	96
45) 1,4-Dioxane	9.20	88	25981	304.339	ug/l #	74
46) Methyl methacrylate	9.20	41	85745	17.485	ug/l	72
47) n-amyl Acetate	12.07	43	168565m	18.939	ug/l	
48) t-1,3-Dichloropropene	10.38	75	203521	16.663	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	241697	17.951	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	166139	19.830	ug/l	94
51) Ethyl methacrylate	10.43	69	172032	17.935	ug/l	85
52) 1,3-Dichloropropane	10.71	76	254041	19.647	ug/l	98
53) Dibromochloromethane	10.90	129	178602	17.232	ug/l	96
54) 1,2-Dibromoethane	11.01	107	169780	19.306	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	469033	114.386	ug/l #	93
56) Bromoform	12.13	173	102731	15.029	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	471957	85.902	ug/l #	85
59) 2-Hexanone	10.75	43	315567	85.137	ug/l	90
61) Tetrachloroethene	10.63	164	203466	19.379	ug/l	97
62) Toluene	10.16	91	807122	19.789	ug/l	97
64) Chlorobenzene	11.43	112	541070	20.256	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	193058	18.830	ug/l	99
66) Ethyl Benzene	11.51	91	888582	19.712	ug/l	99
67) m/p-Xylenes	11.62	106	720882	39.446	ug/l	95
68) o-Xylene	11.95	106	347725	19.301	ug/l	90
69) Styrene	11.96	104	551654	19.957	ug/l	96
70) Isopropylbenzene	12.25	105	930898	19.376	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	180159	18.988	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	145667m	19.516	ug/l	
73) Bromobenzene	12.53	156	251065	21.098	ug/l	77
74) n-propylbenzene	12.59	91	1008624	19.517	ug/l	94
75) 2-Chlorotoluene	12.67	91	585250	19.317	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	756966	19.053	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	34895	14.136	ug/l	93
78) 4-Chlorotoluene	12.77	91	601288	20.200	ug/l	91
79) tert-butylbenzene	12.99	119	697629	19.094	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	768198	19.347	ug/l	97
81) sec-Butylbenzene	13.17	105	900439	18.840	ug/l	96
82) p-Isopropyltoluene	13.29	119	805376	18.831	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	439568	20.934	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	427645	21.633	ug/l	99
85) n-Butylbenzene	13.61	91	609100	18.886	ug/l	94
86) Hexachloroethane	13.87	117	110142	14.935	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	414950	20.412	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20385	14.387	ug/l #	61
89) 1,2,4-Trichlorobenzene	14.91	180	179862	21.133	ug/l	99
90) Hexachlorobutadiene	15.01	225	100810	15.388	ug/l	96
91) Naphthalene	15.13	128	340580	20.782	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	149281	16.140	ug/l	93

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ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

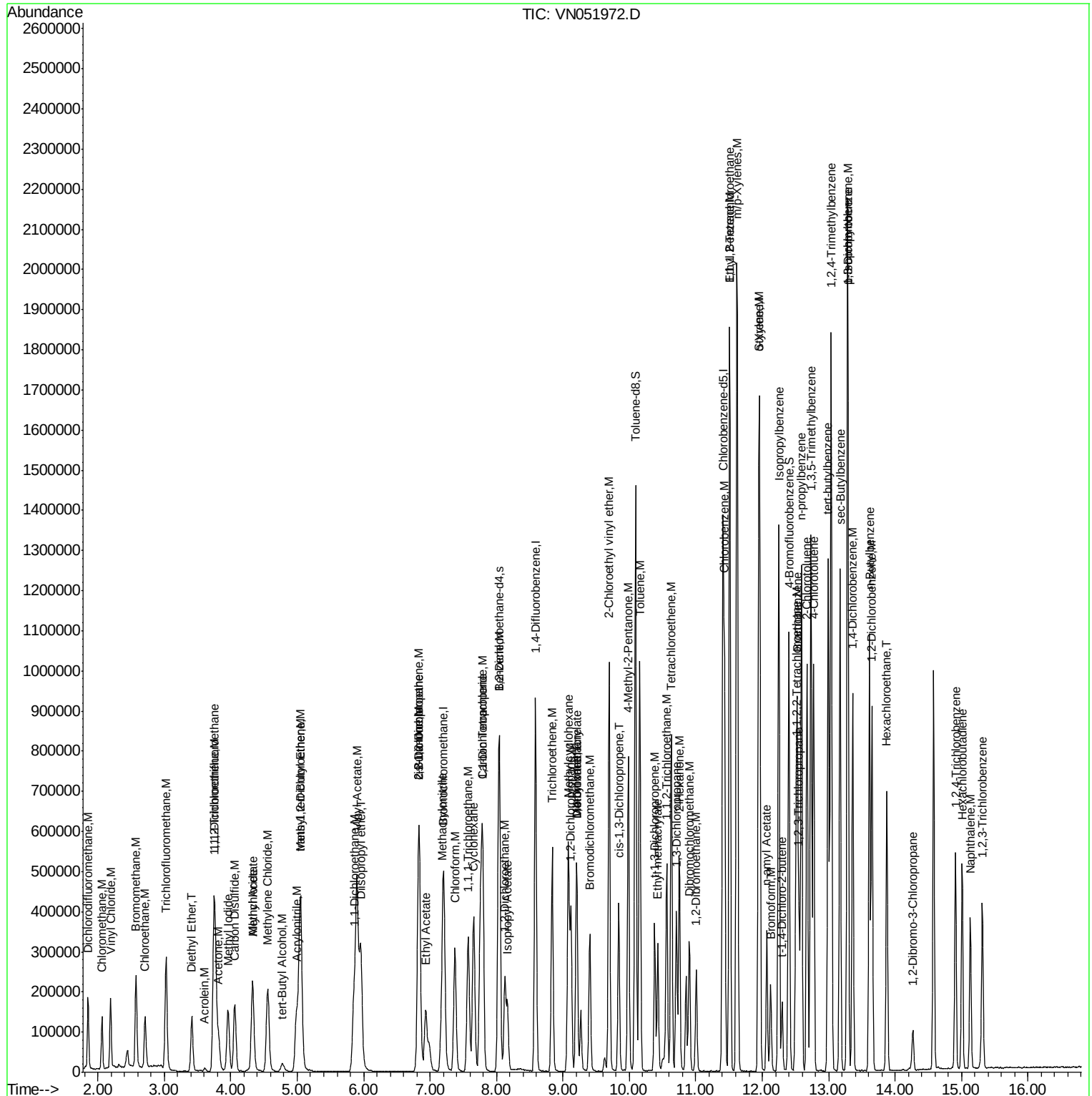
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
Data File : VN051972.D
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Operator : MD\SY
Sample : VN1023WBSD01
Misc : 5.00mL/MSVOA N/WATER
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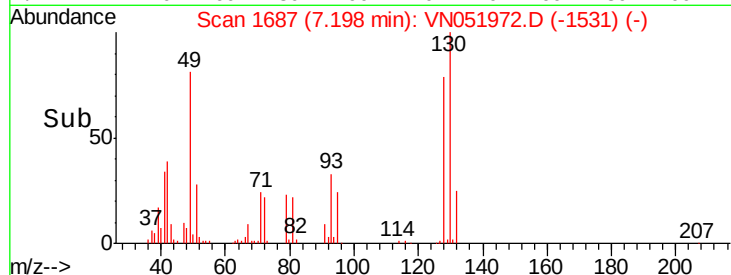
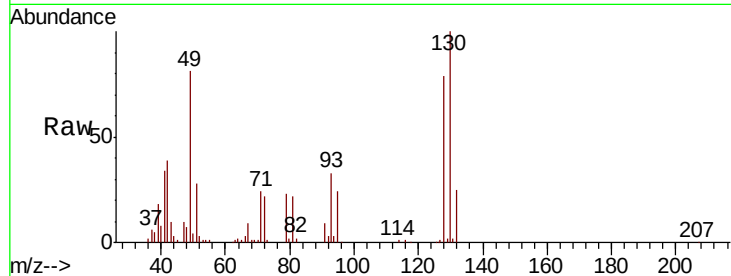
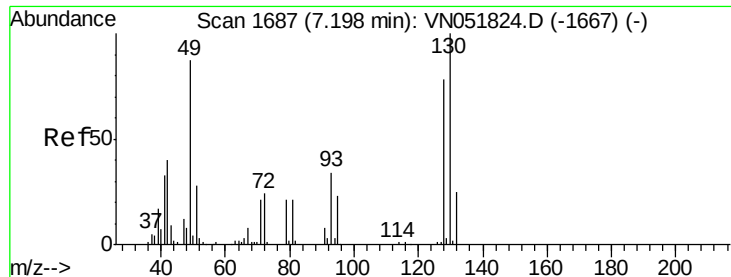
Instrument :
MSVOA_N
ClientSampleId :
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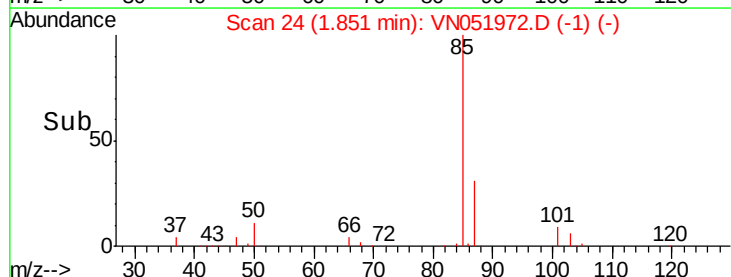
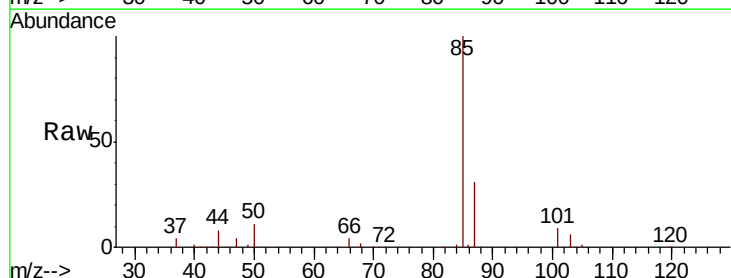
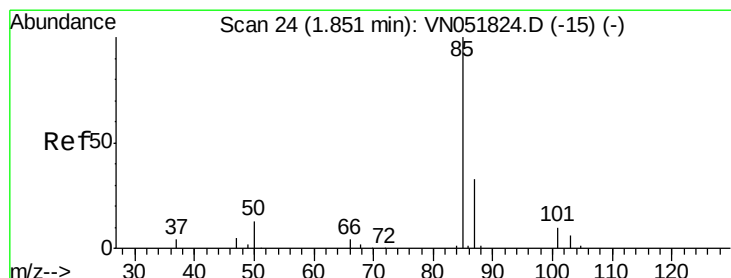
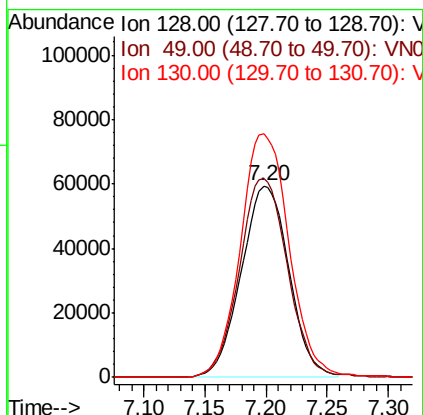
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161117		
49	104.2	0.0	403.3	
130	130.1	0.0	326.0	

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

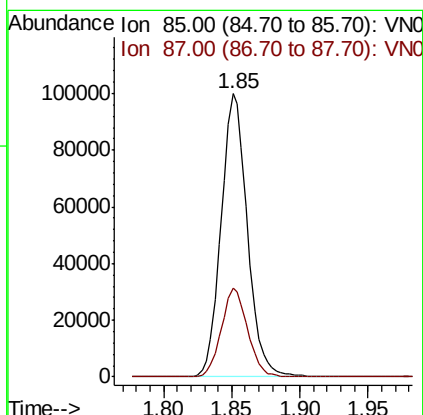
Manual Integrations
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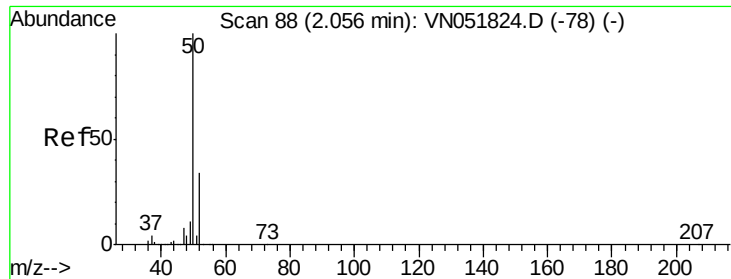
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#2
Dichlorodifluoromethane
Concen: 21.396 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	133926		
87	31.2	16.3	48.8	





#3

Chloromethane

Concen: 17.890 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 50 Resp: 118347

Ion Ratio Lower Upper

50 100

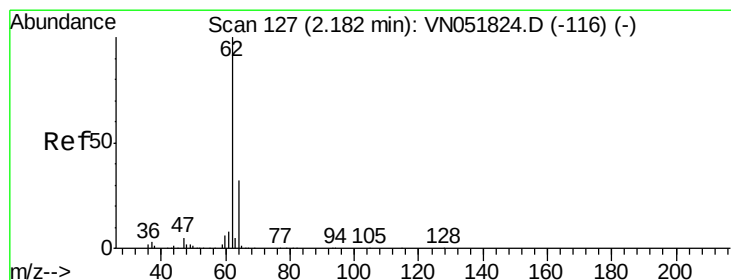
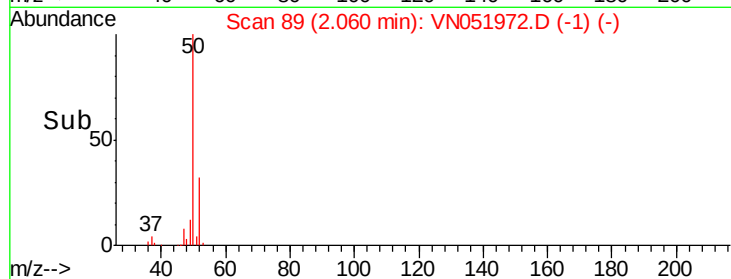
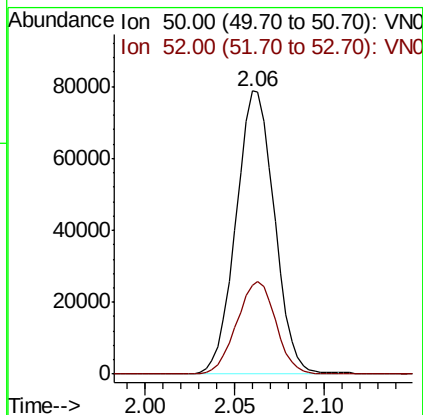
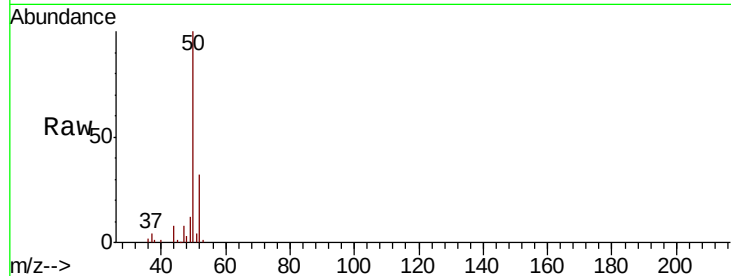
52 31.6 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.146 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051972.D

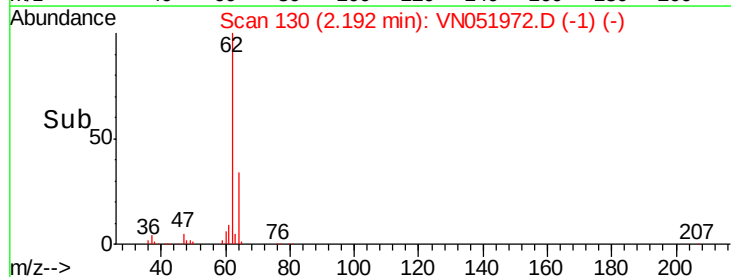
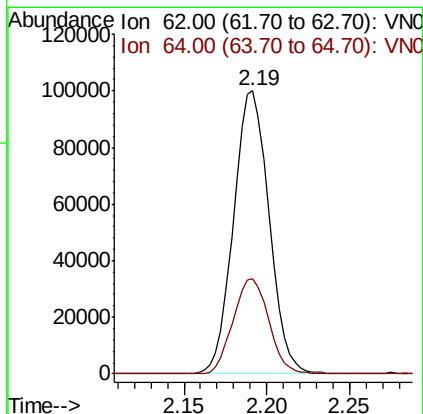
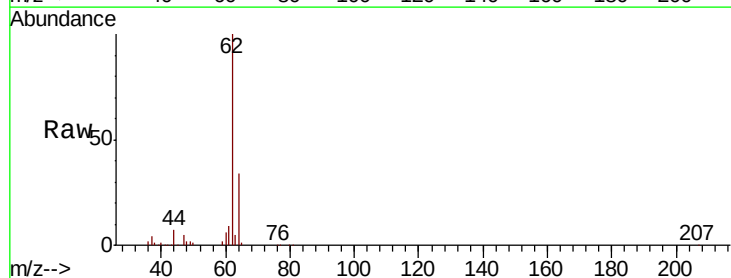
Acq: 23 Oct 2018 19:32

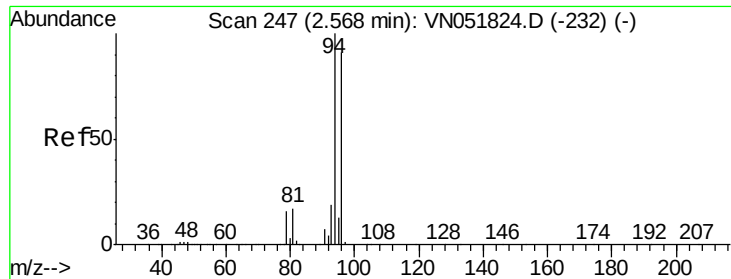
Tgt Ion: 62 Resp: 149628

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.2





#5

Bromomethane

Concen: 17.428 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 94 Resp: 152126

Ion Ratio Lower Upper

94 100

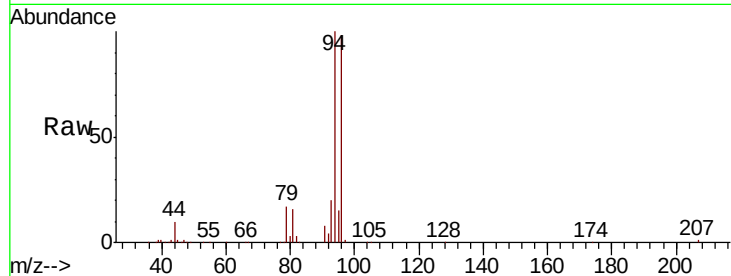
96 97.9 66.4 99.6

Manual Integrations

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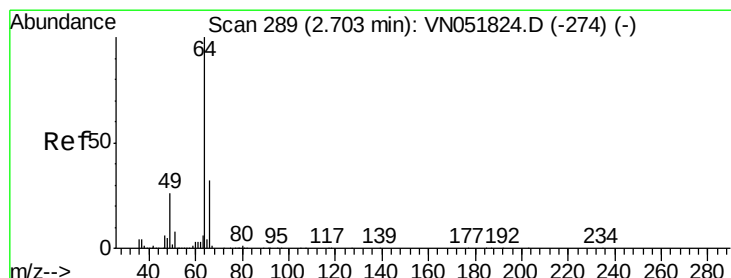
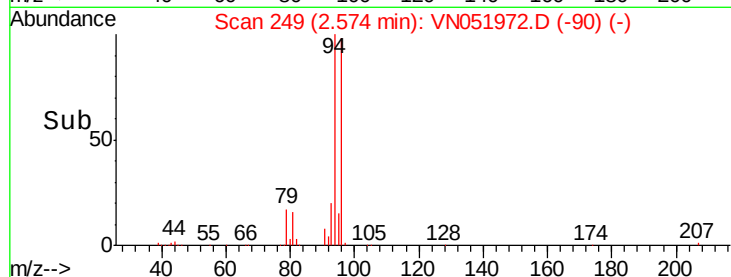
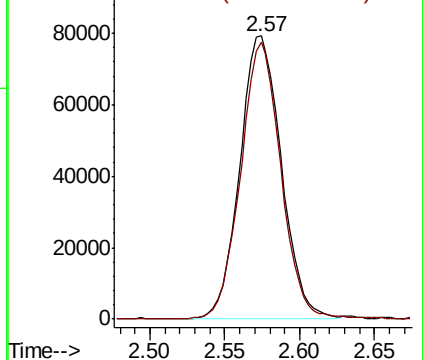
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.384 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051972.D

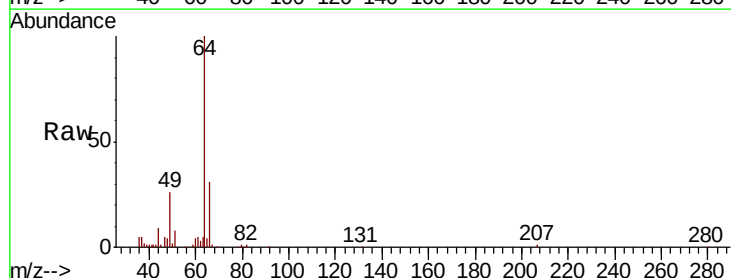
Acq: 23 Oct 2018 19:32

Tgt Ion: 64 Resp: 116647

Ion Ratio Lower Upper

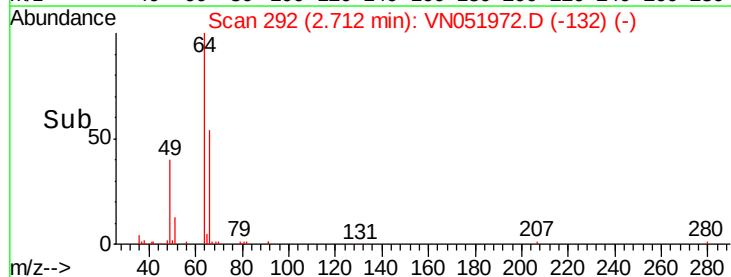
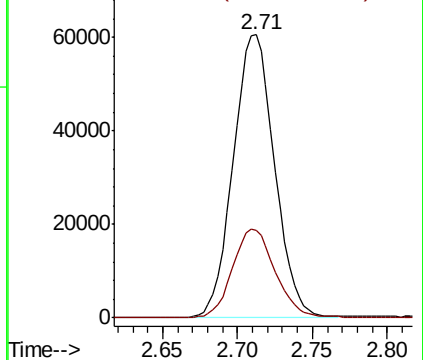
64 100

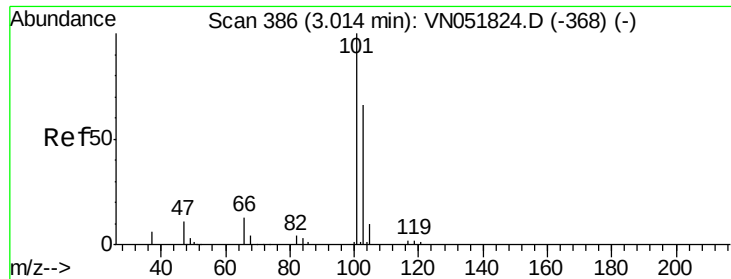
66 31.1 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

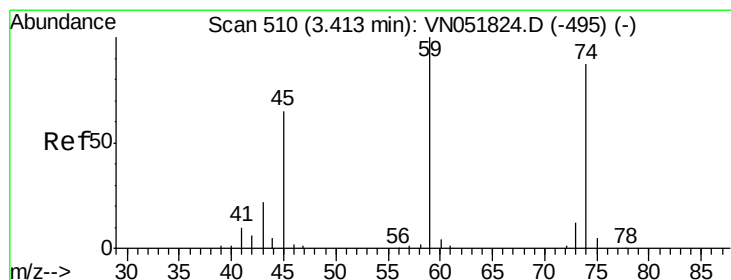
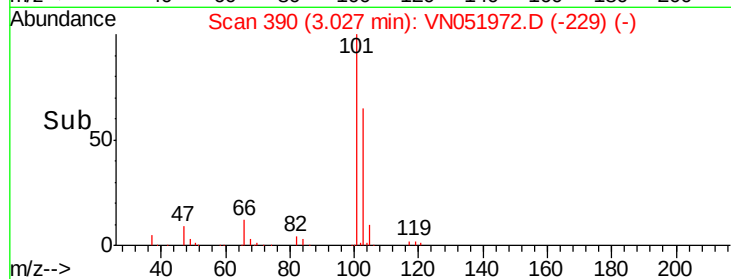
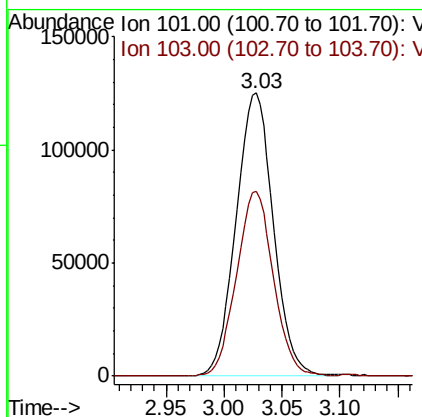
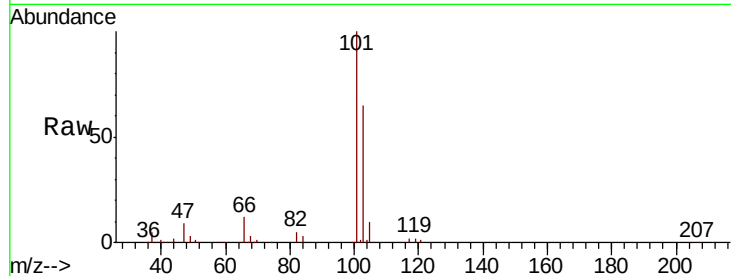
Trichlorofluoromethane
Concen: 19.949 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.02 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
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ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	280973		
103	65.4	54.8	82.2	

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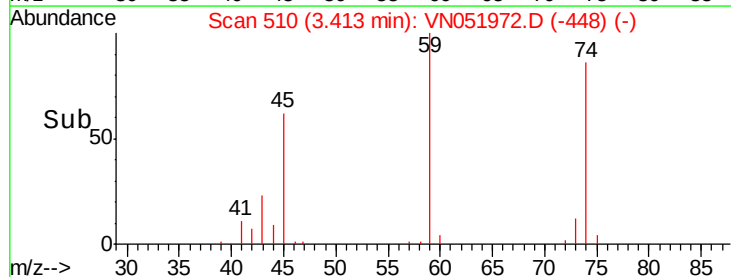
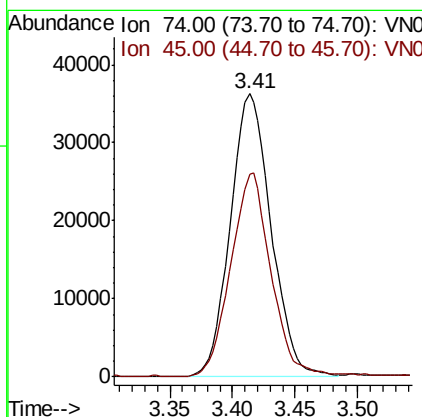
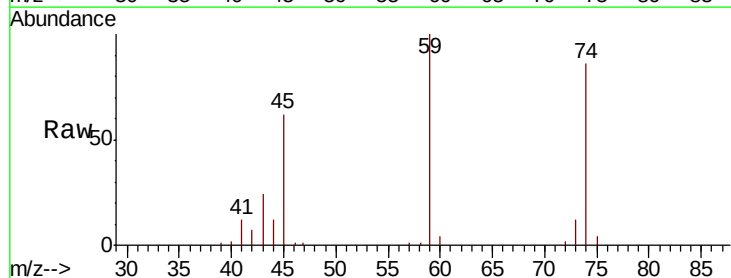
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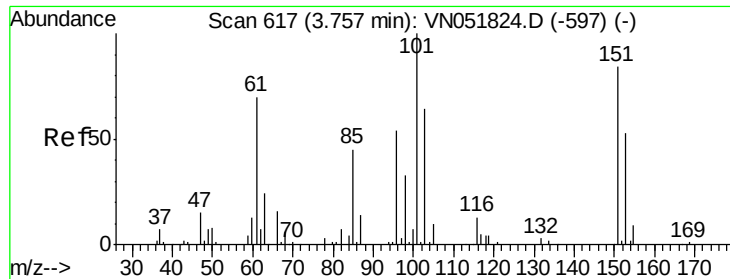


#8

Diethyl Ether
Concen: 20.016 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	82070		
45	70.7	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.517 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

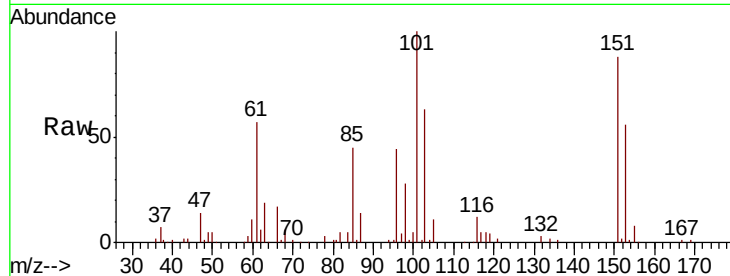
ClientSampleId :

VN1023WBSD01

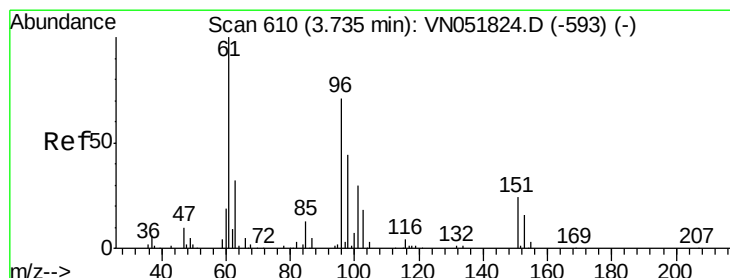
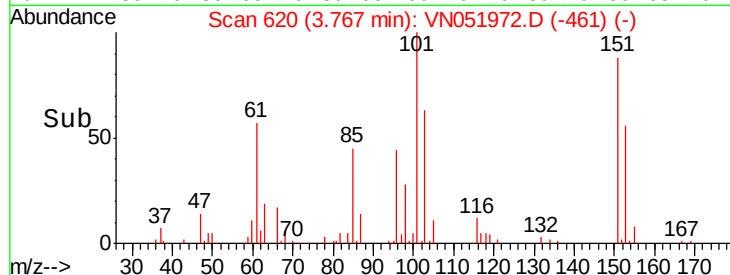
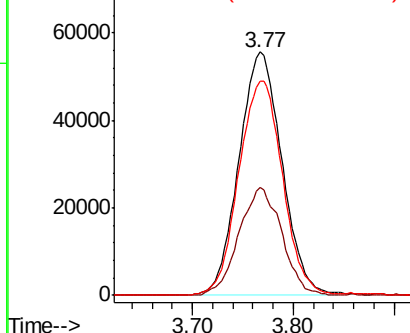
Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	44.1	0.0	46.0
151	89.7	0.0	82.2#

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.697 ug/l

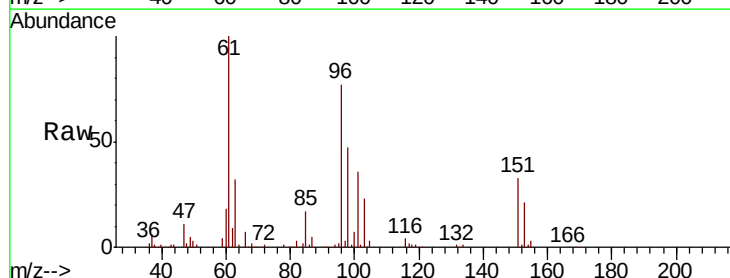
RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

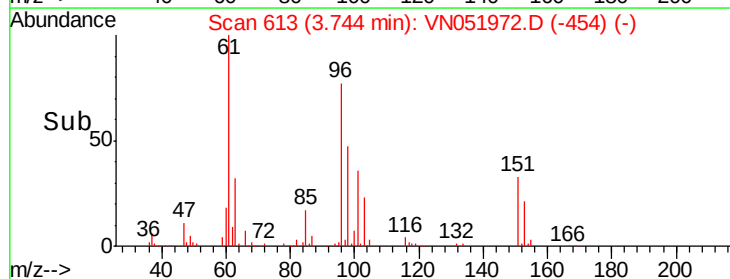
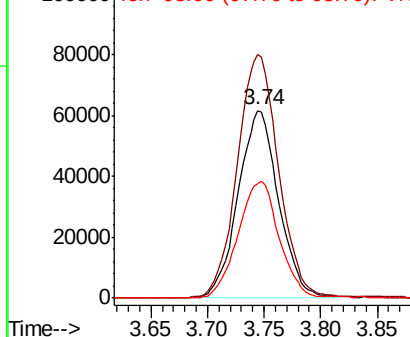
Lab File: VN051972.D

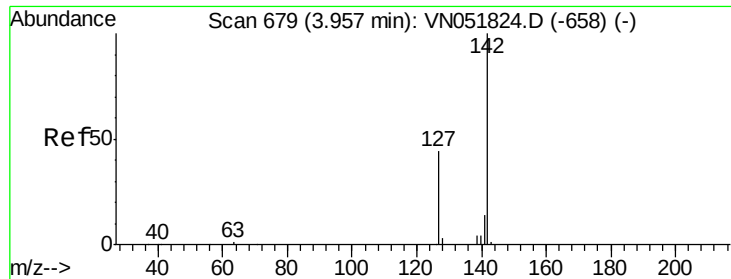
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	129.5	133.0	199.6#
98	60.8	52.6	78.8



Abundance Ion 96.00 (95.70 to 96.70): VN
Ion 61.00 (60.70 to 61.70): VN
Ion 98.00 (97.70 to 98.70): VN





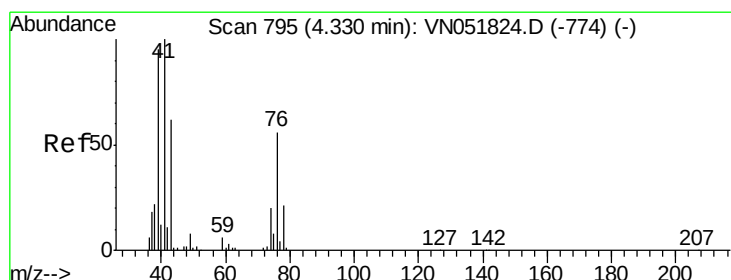
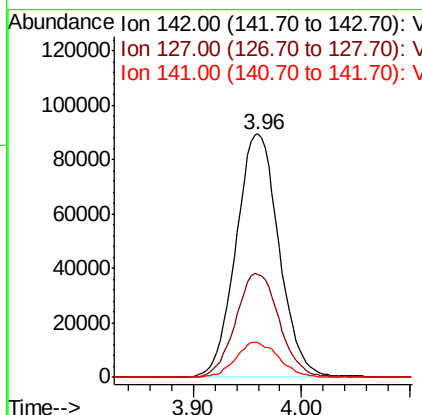
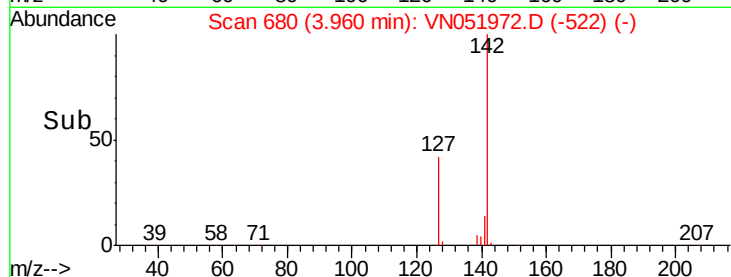
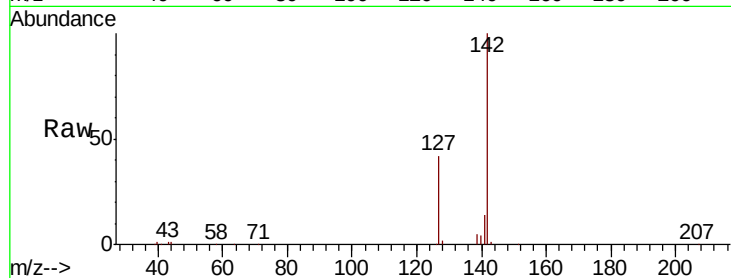
#11
Methvl Iodide
Concen: 22.983 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.2	19.7	59.0
141	14.2	6.3	18.9

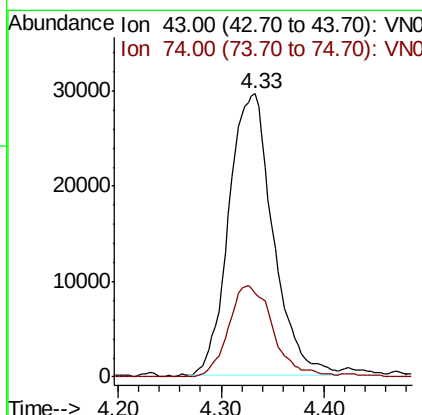
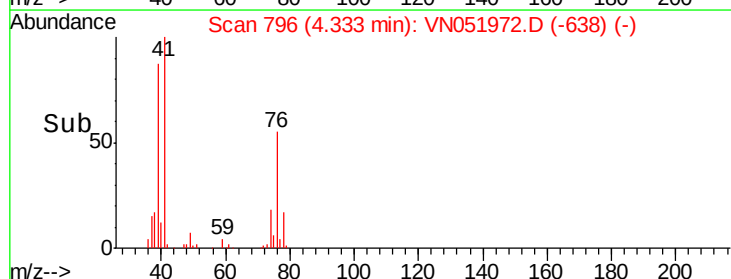
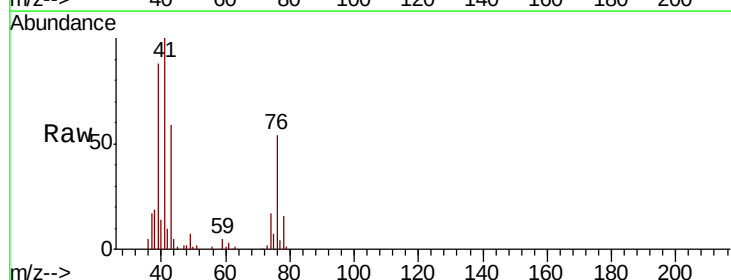
Manual Integrations
APPROVED

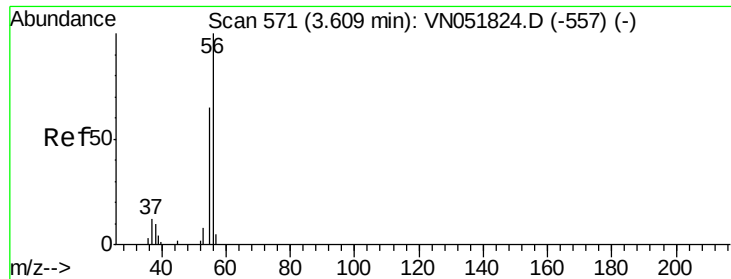
MMDadoda
10/24/2018 10:10:11 AM



#12
Methyl Acetate
Concen: 19.063 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.8	21.8	32.6





#13

Acrolein

Concen: 27.605 ug/l m

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 56 Resp: 8378

Ion Ratio Lower Upper

56 100

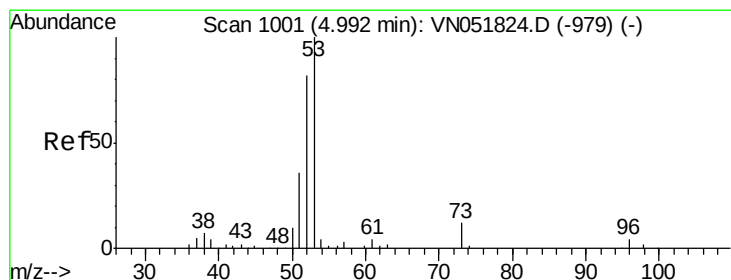
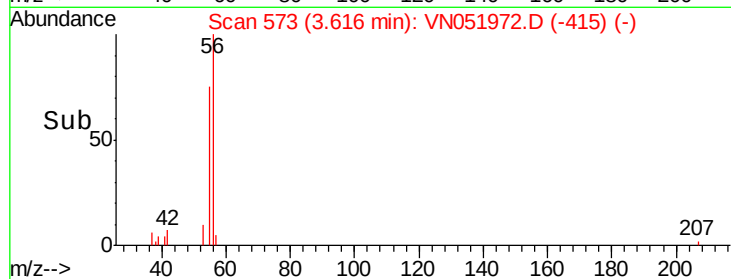
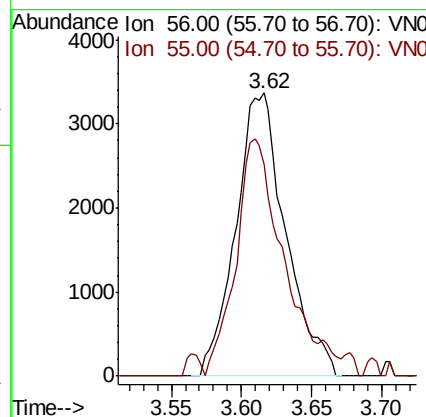
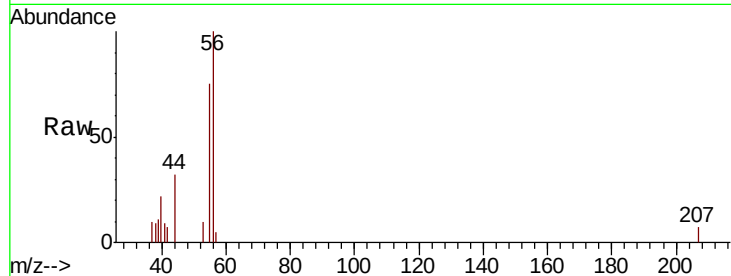
55 77.1 64.0 96.0

Manual Integrations

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MMDadoda

10/24/2018 10:10:11 AM



#14

Acrylonitrile

Concen: 90.763 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

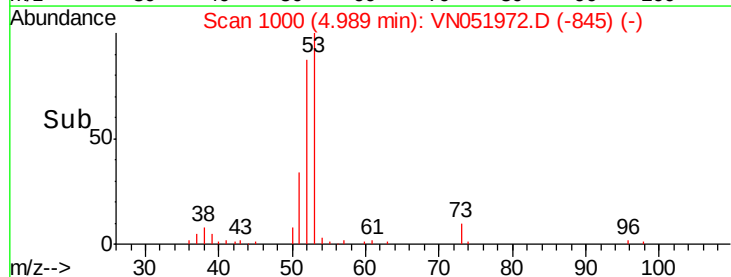
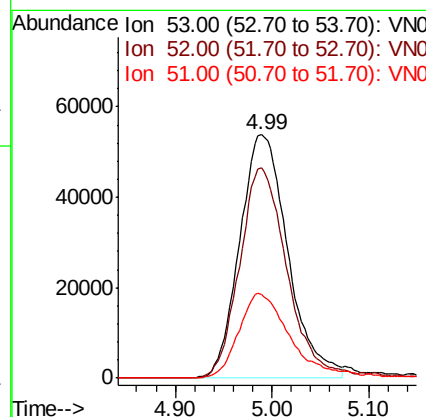
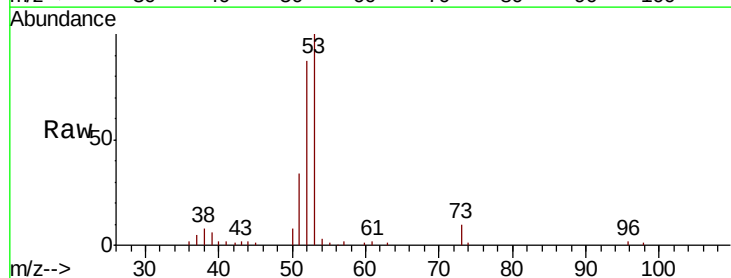
Tgt Ion: 53 Resp: 186857

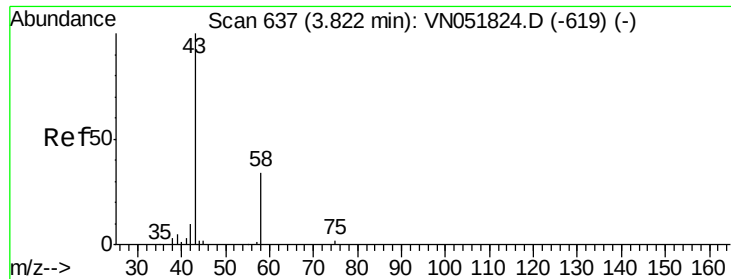
Ion Ratio Lower Upper

53 100

52 84.7 18.3 54.8#

51 36.9 19.7 59.1





#15

Acetone

Concen: 83.810 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 58 Resp: 42653

Ion Ratio Lower Upper

58 100

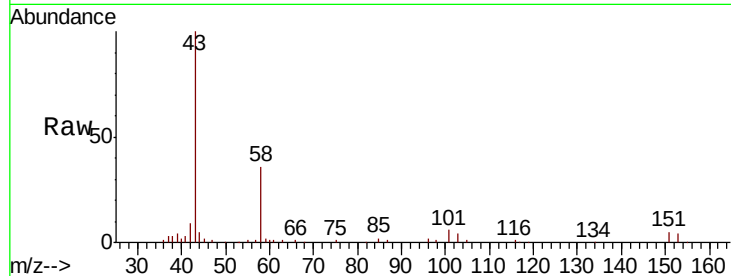
43 274.9 232.2 348.2

Manual Integrations

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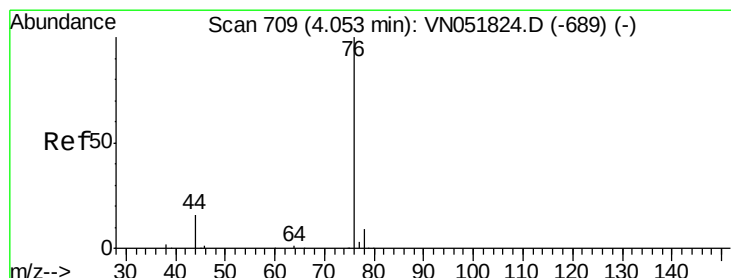
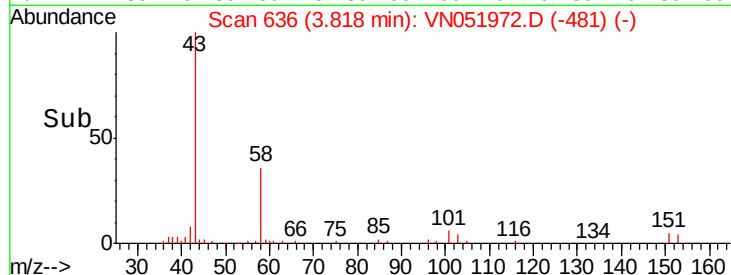
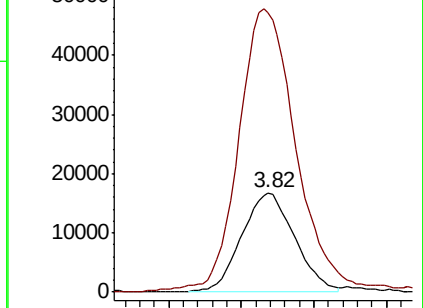
MMDadoda

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

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



#16

Carbon Disulfide

Concen: 17.295 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN051972.D

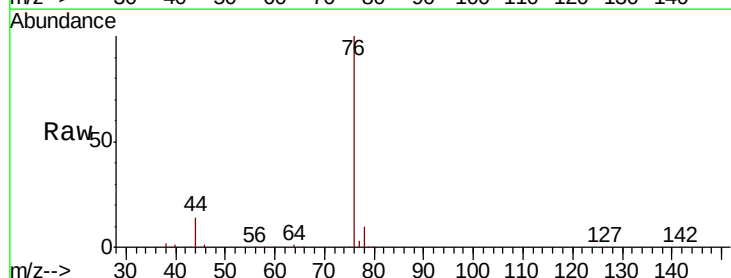
Acq: 23 Oct 2018 19:32

Tgt Ion: 76 Resp: 336940

Ion Ratio Lower Upper

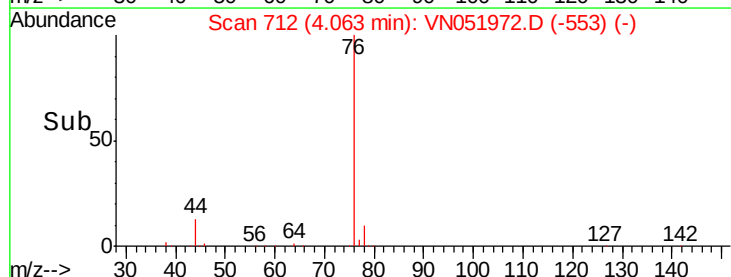
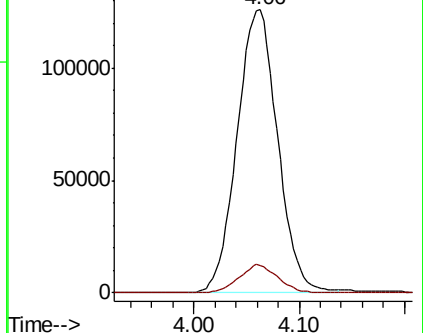
76 100

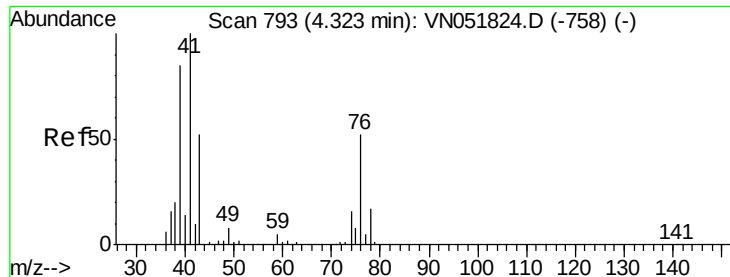
78 9.7 6.7 10.1



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

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





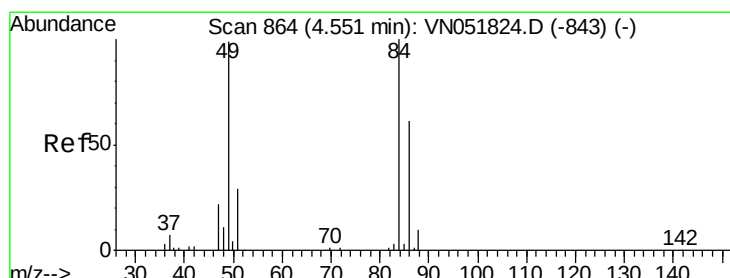
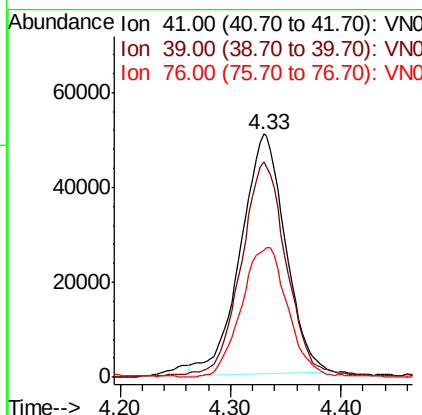
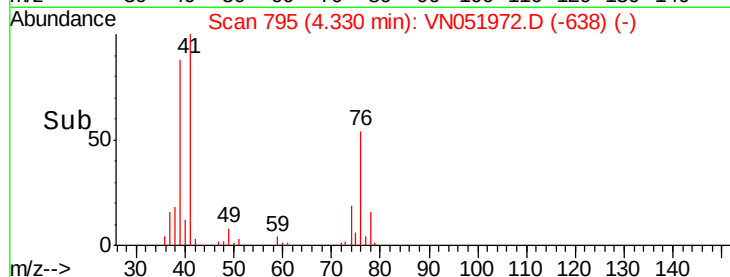
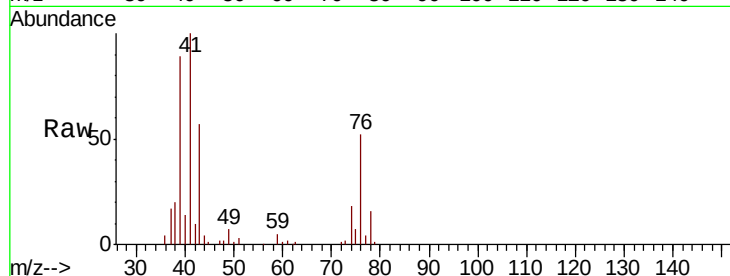
#17
Allvl chloride
Concen: 16.176 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion:	41	Resp:	142458
Ion	Ratio	Lower	Upper
41	100		
39	88.9	32.6	97.8
76	53.2	20.2	60.5

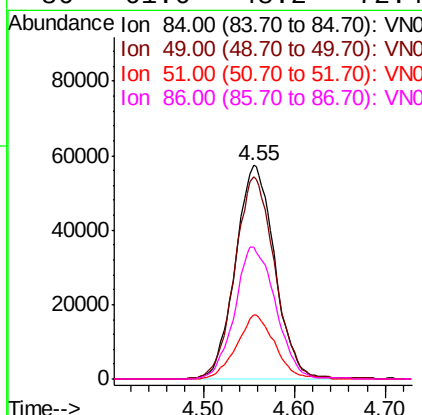
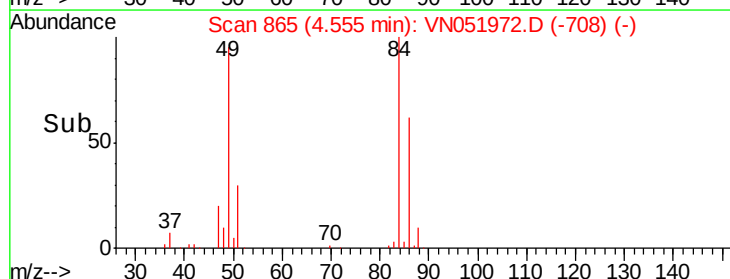
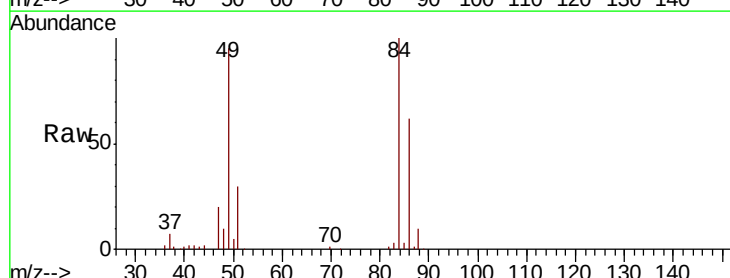
Manual Integrations
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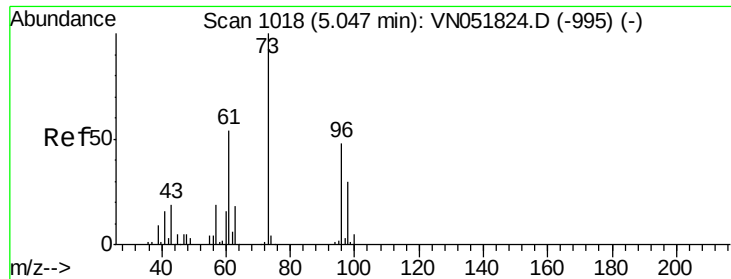
MMDadoda
10/24/2018 10:10:11 AM



#18
Methylene Chloride
Concen: 20.764 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion:	84	Resp:	172215
Ion	Ratio	Lower	Upper
84	100		
49	94.2	91.6	137.4
51	30.0	29.8	44.6
86	61.6	48.2	72.4





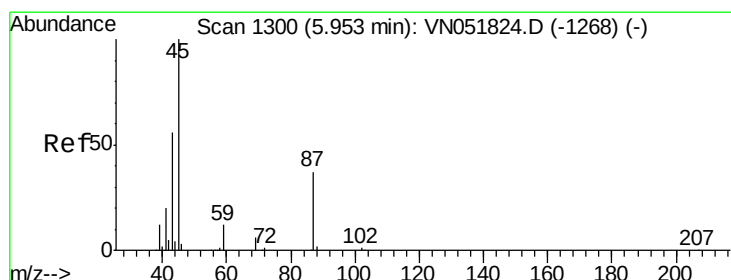
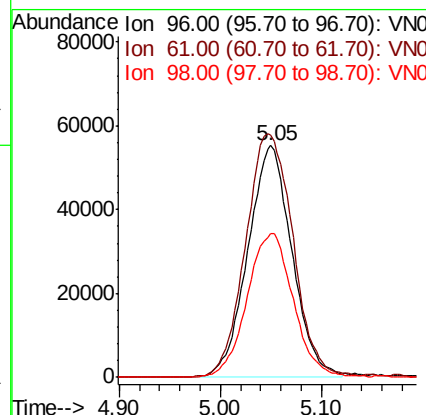
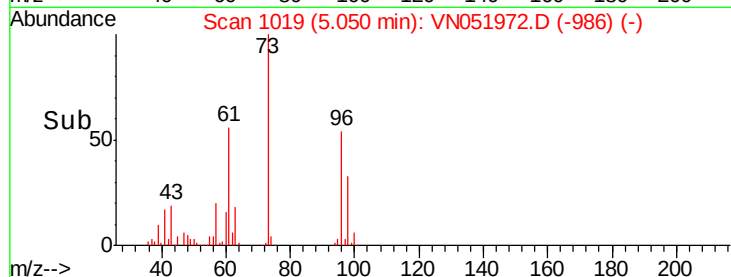
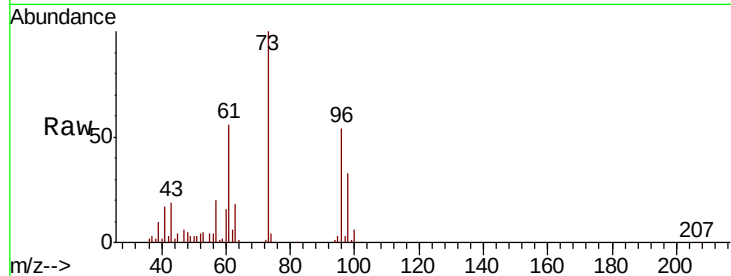
#19
trans-1,2-Dichloroethene
Concen: 19.855 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	104.3	112.3	168.5#
98	61.8	47.1	70.7

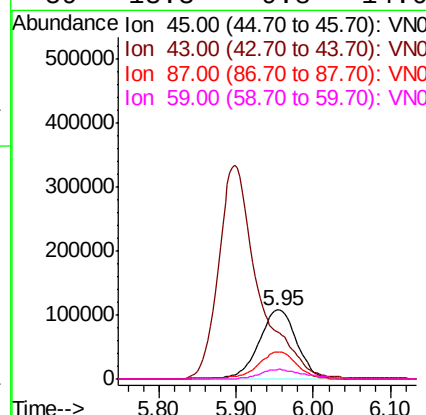
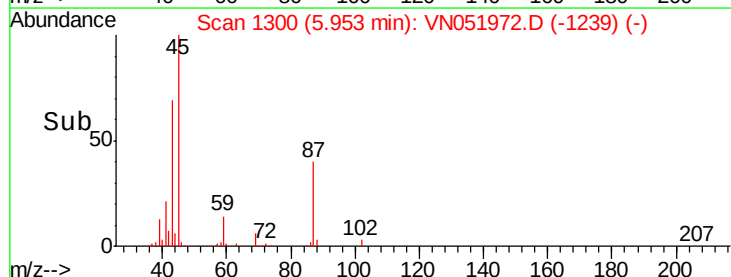
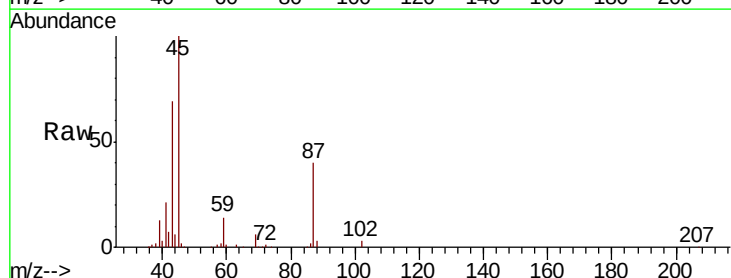
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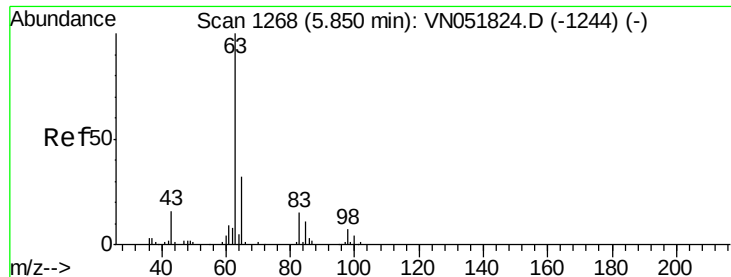
MMDadoda
10/24/2018 10:10:11 AM



#20
Diisopropyl ether
Concen: 18.741 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	62.1	93.1
87	39.4	19.9	29.9#
59	13.3	9.8	14.6





#21

1,1-Dichloroethane

Concen: 19.494 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

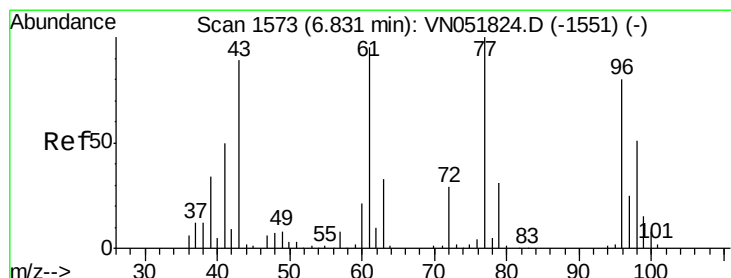
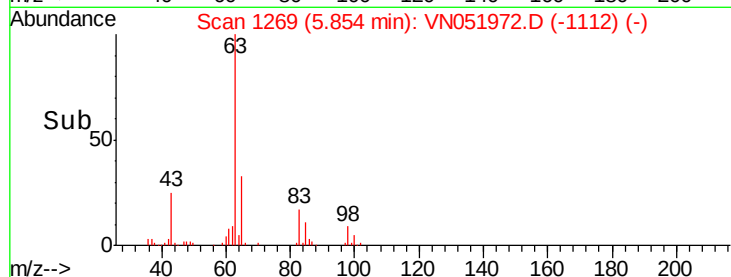
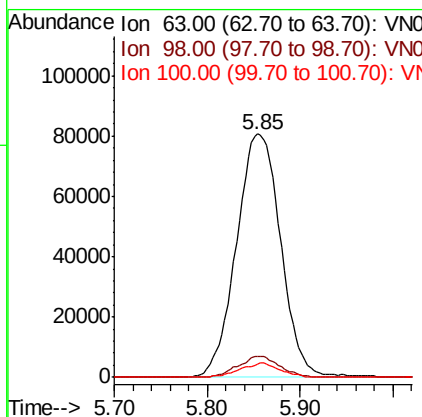
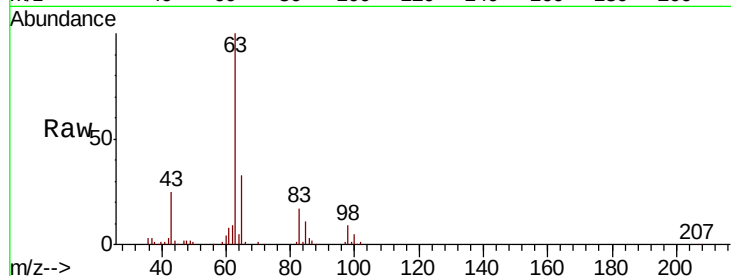
ClientSampleId :

VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	267165		
98	8.5	4.1	12.3	
100	5.5	1.6	4.7	

Manual Integrations
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10/24/2018 10:10:11 AM



#22

cis-1,2-Dichloroethene

Concen: 20.051 ug/l

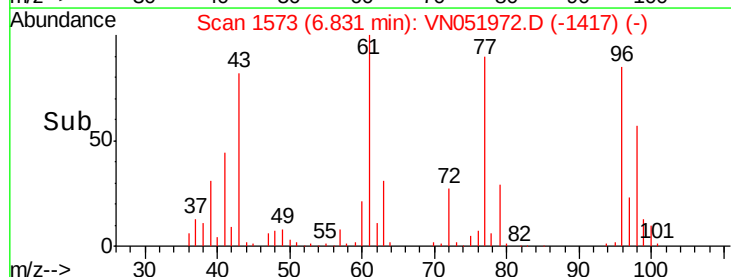
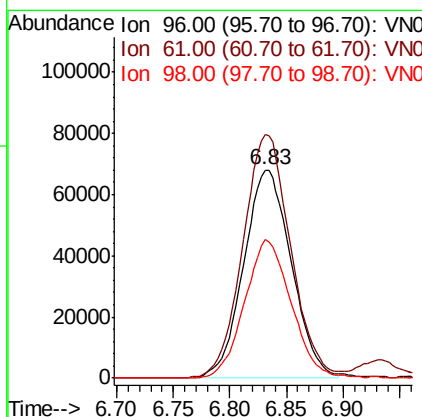
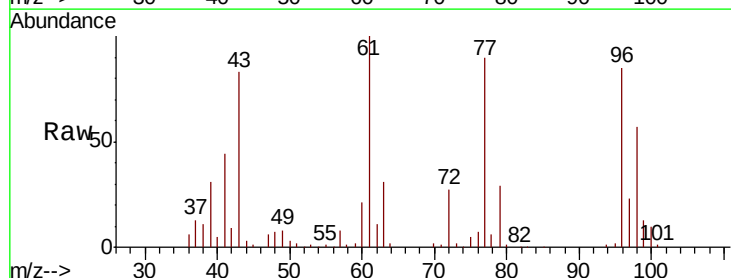
RT: 6.83 min Scan# 1573

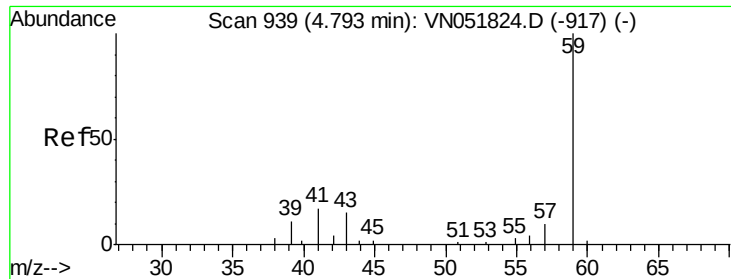
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	199489		
61	117.2	124.5	186.7	
98	64.9	51.9	77.9	





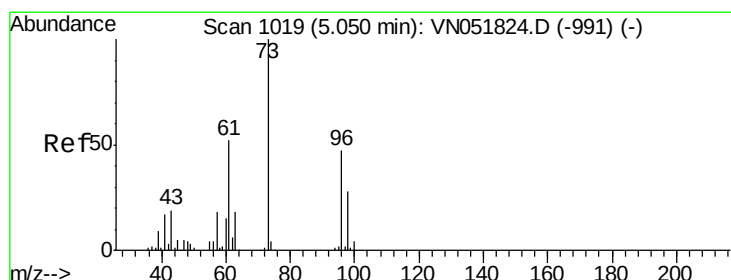
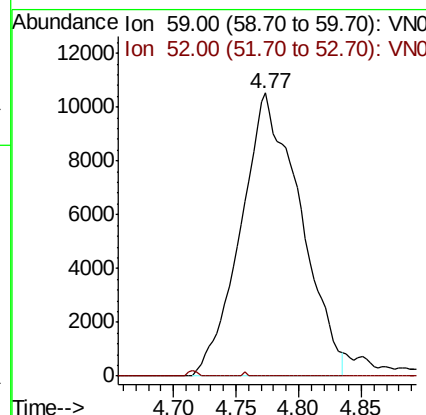
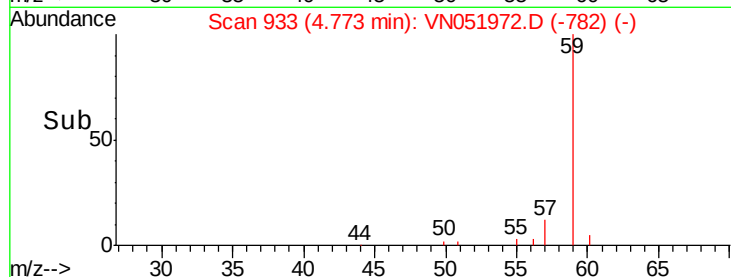
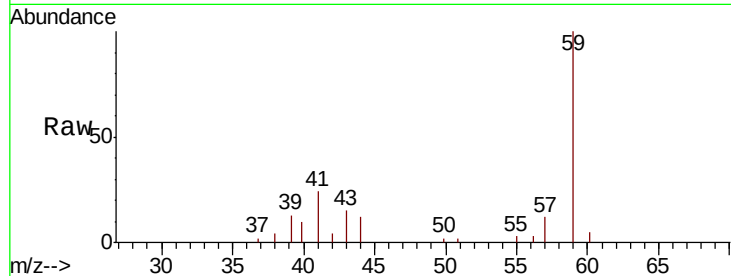
#23
 tert-Butyl Alcohol
 Concen: 64.016 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		34710		
52	0.3		0.0	0.0	0.0

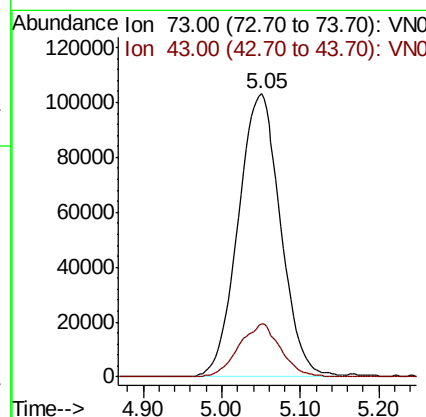
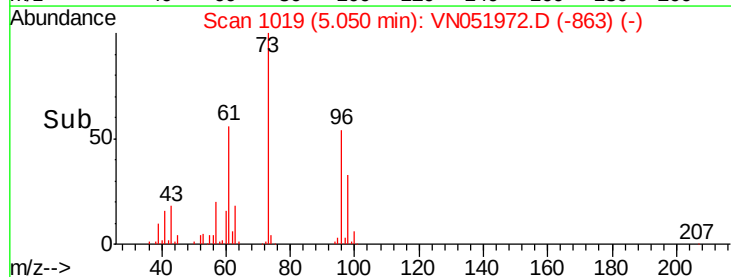
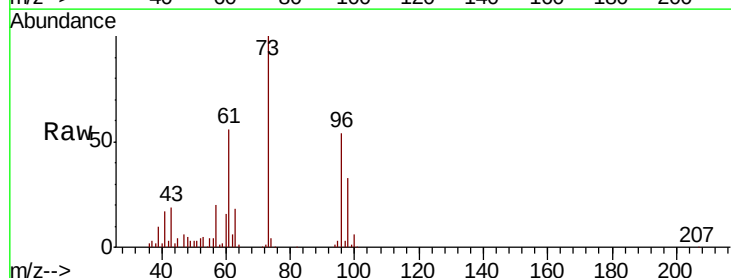
Manual Integrations
 APPROVED

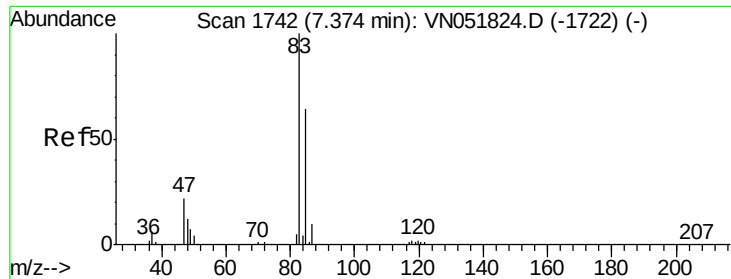
MMDadoda
 10/24/2018 10:10:11 AM



#24
 Methyl tert-Butyl Ether
 Concen: 18.217 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		389334		
43	18.5		5.4	8.0	





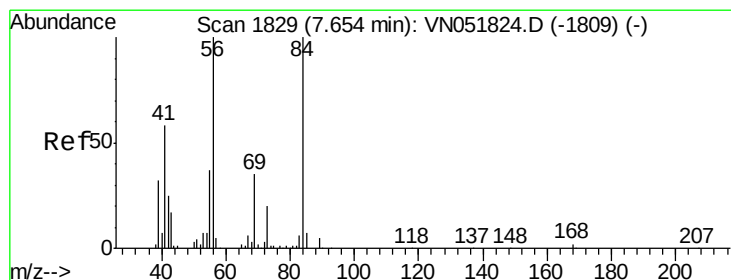
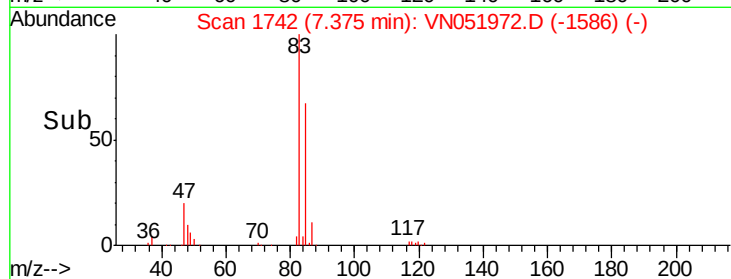
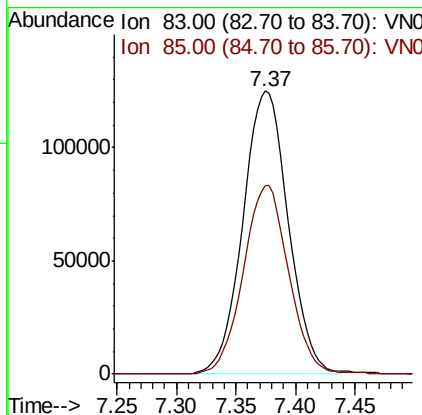
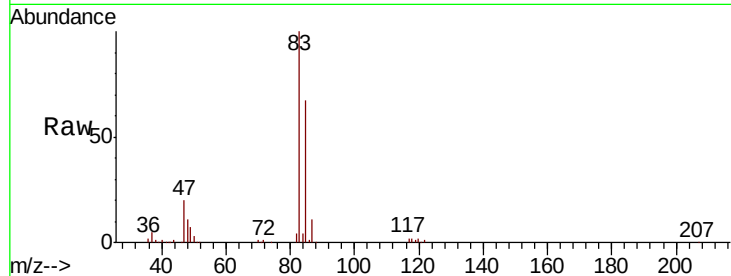
#25
Chloroform
Concen: 20.282 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	83	Resp	329765
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	54.6	82.0

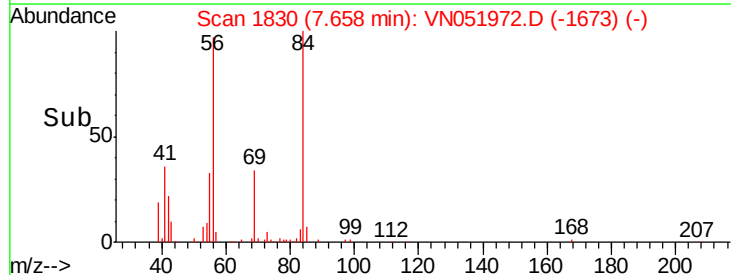
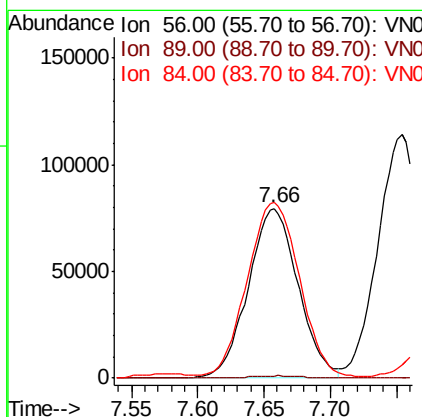
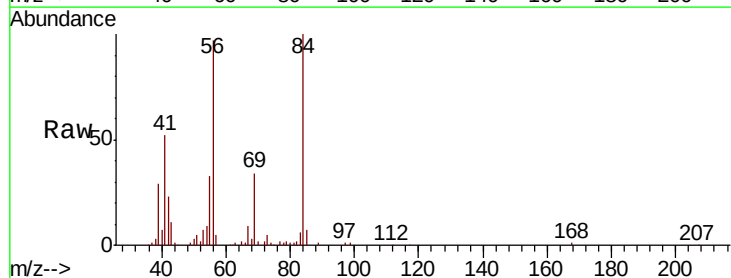
Manual Integrations
APPROVED

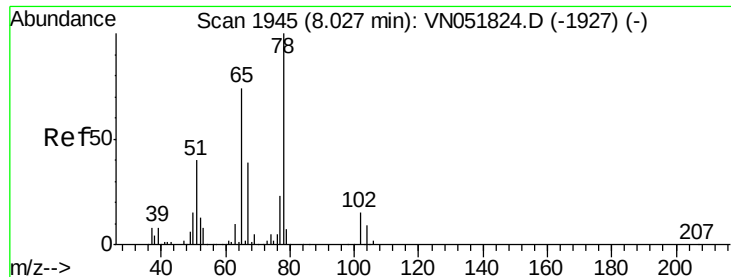
MMDadoda
10/24/2018 10:10:11 AM



#26
Cyclohexane
Concen: 17.985 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	56	Resp	208973
Ion Ratio	100	Lower	Upper
56	100		
89	0.8	1.5	2.3#
84	106.8	64.2	96.4#





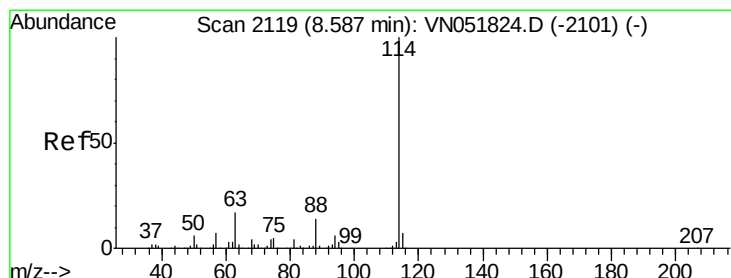
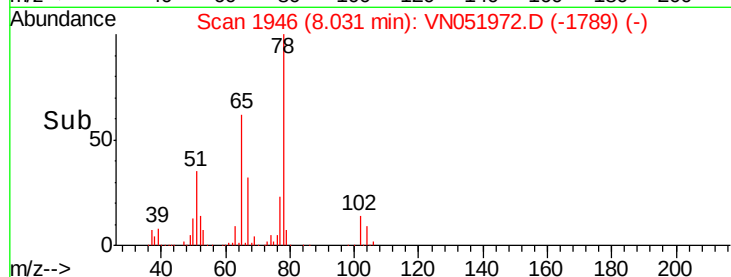
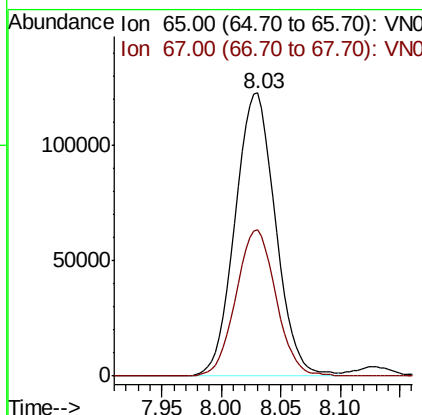
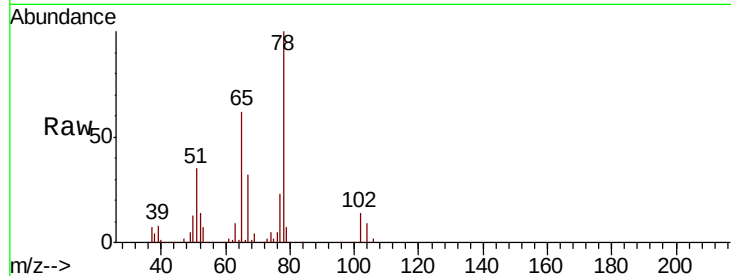
#27
 1,2-Dichloroethane-d4
 Concen: 17.985 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288589		
67	51.2		41.8	62.8

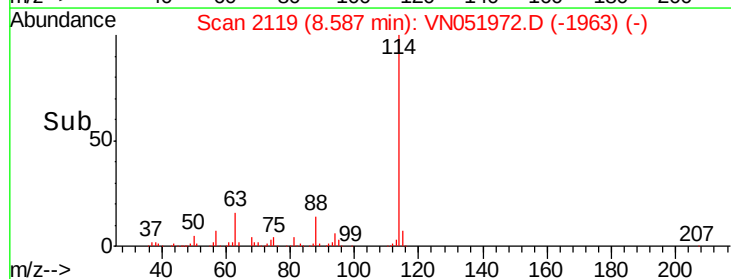
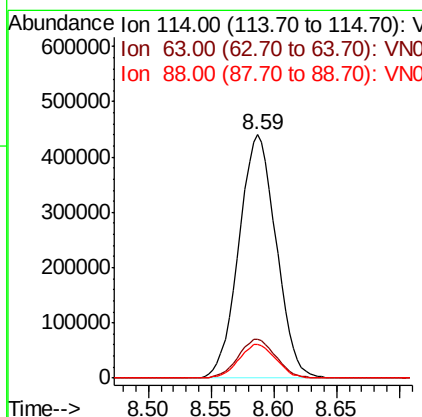
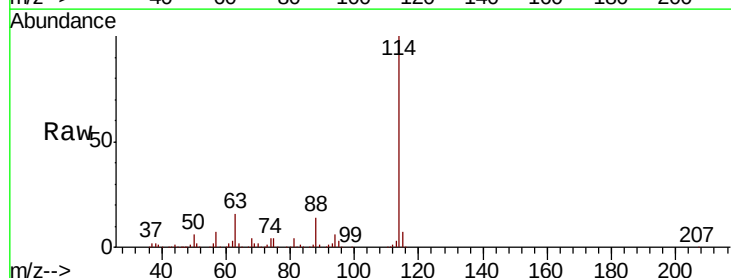
Manual Integrations
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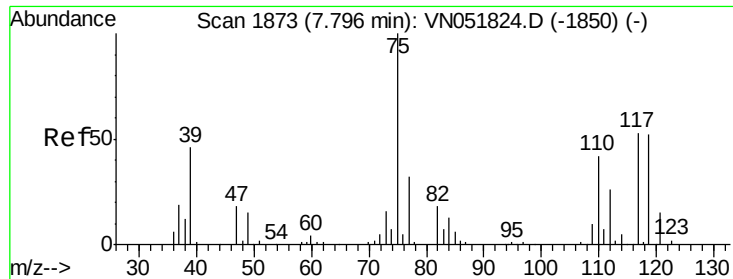
MMDadoda
 10/24/2018 10:10:11 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	909881		
63	16.0		16.2	24.2#
88	13.9		12.2	18.4





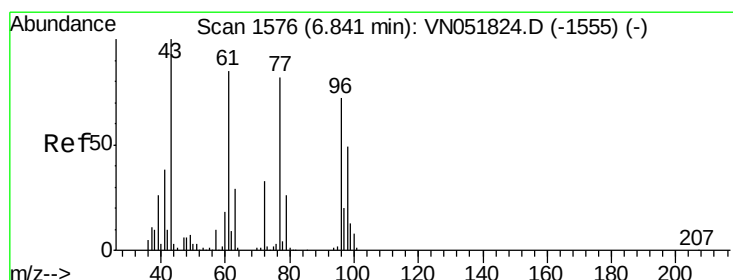
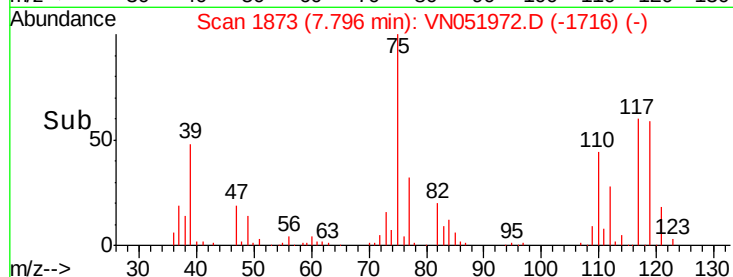
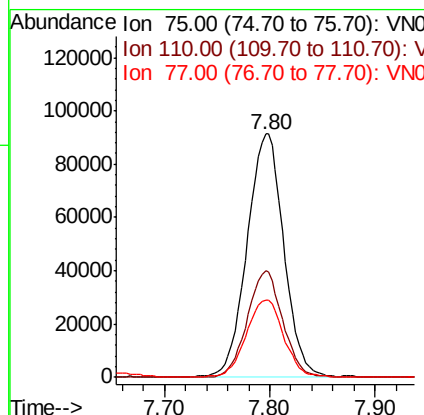
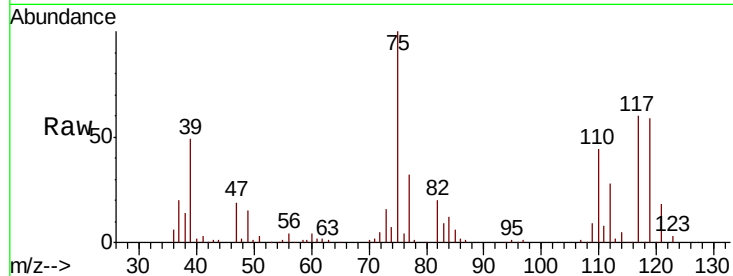
#29
 1,1-Dichloropropene
 Concen: 18.846 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	42.4	0.0	70.8
77	32.0	0.0	61.6

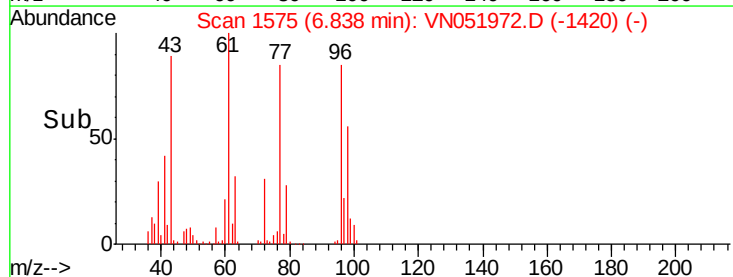
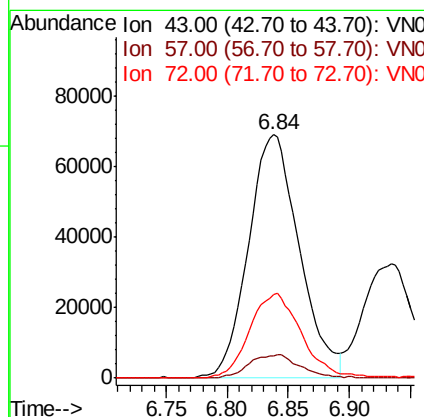
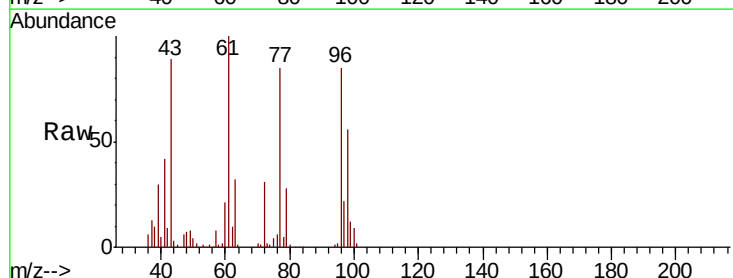
Manual Integrations
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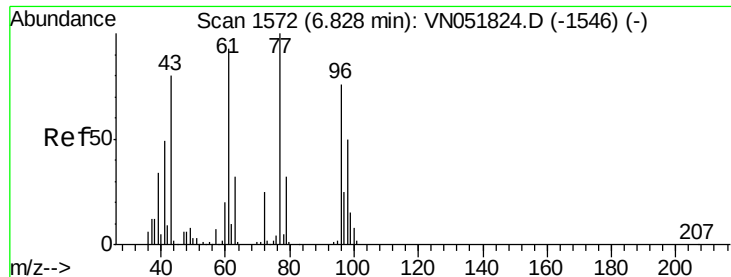
MMDadoda
 10/24/2018 10:10:11 AM



#30
 2-Butanone
 Concen: 81.436 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.6	4.5	6.7#
72	35.7	21.5	32.3#





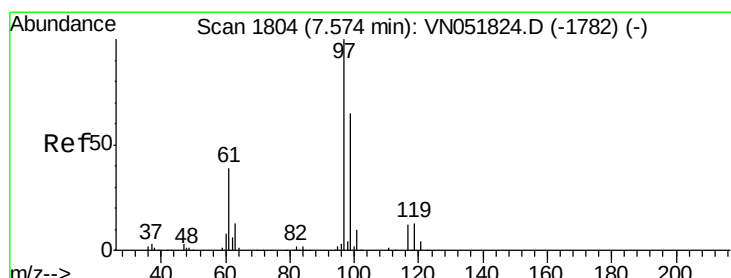
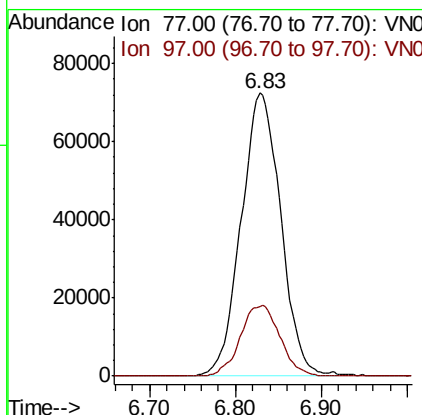
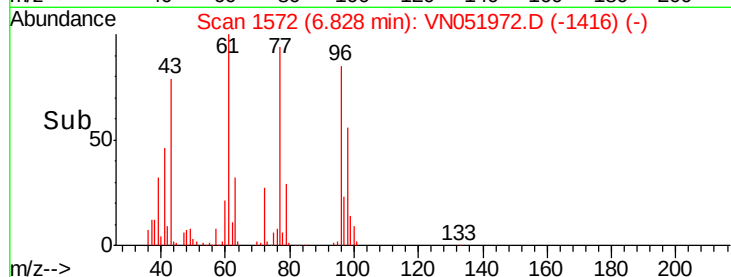
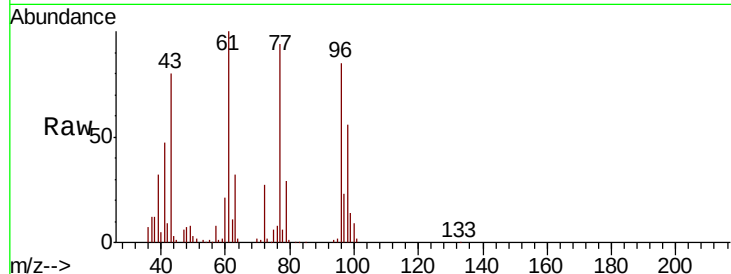
#31
 2,2-Dichloropropane
 Concen: 16.778 ug/l m
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	0.1	12.0	18.0#

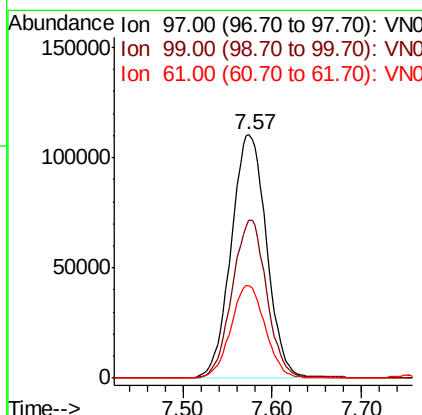
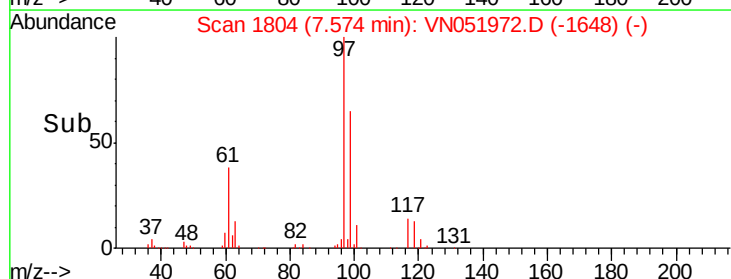
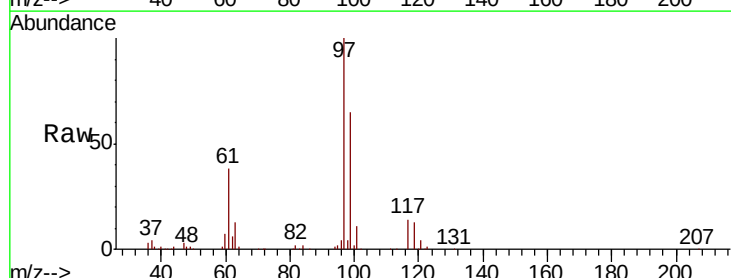
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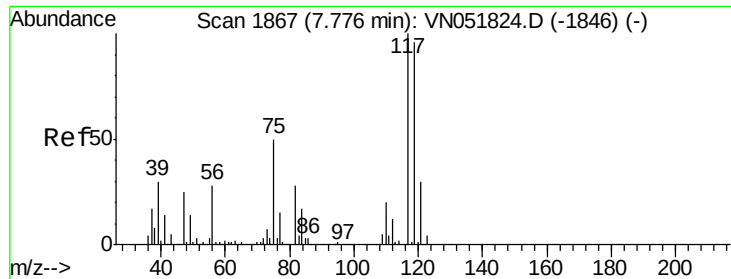
MMDadoda
 10/24/2018 10:10:11 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.518 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	37.1	37.4	56.0#





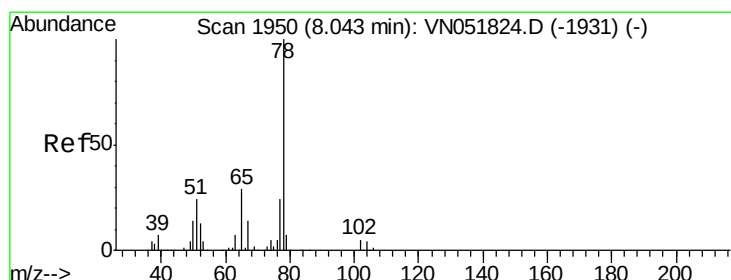
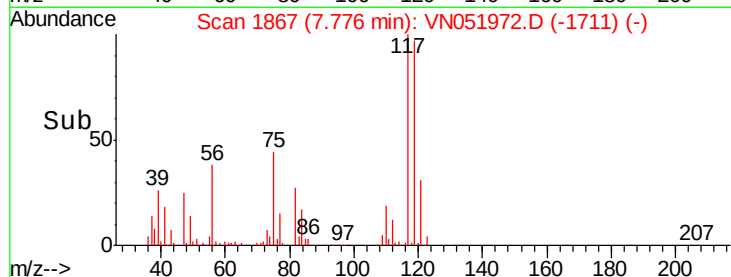
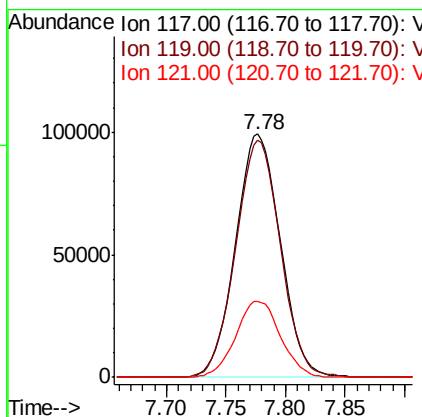
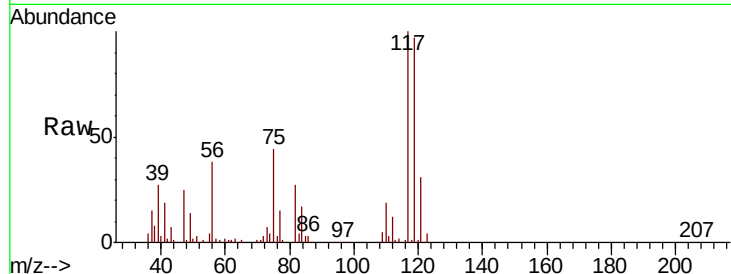
#33
Carbon Tetrachloride
Concen: 18.370 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	85.1	127.7
121	31.1	24.2	36.2

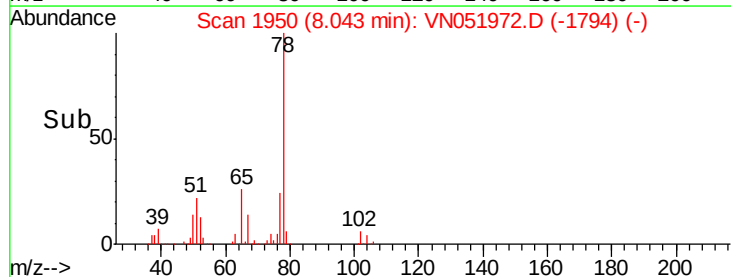
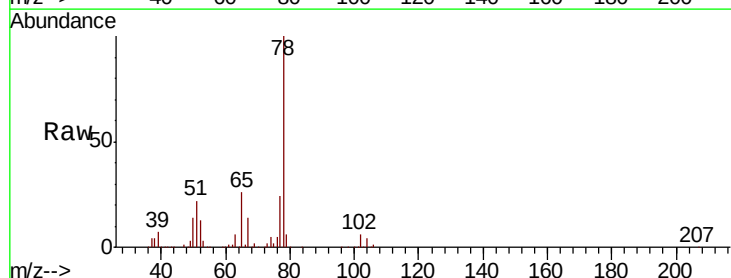
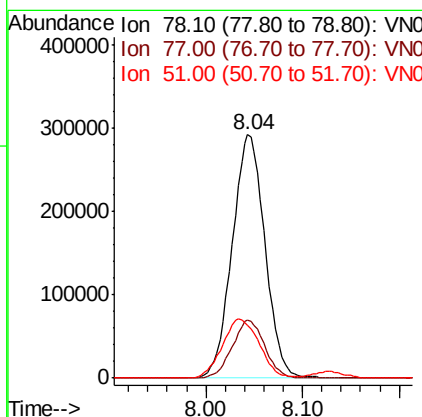
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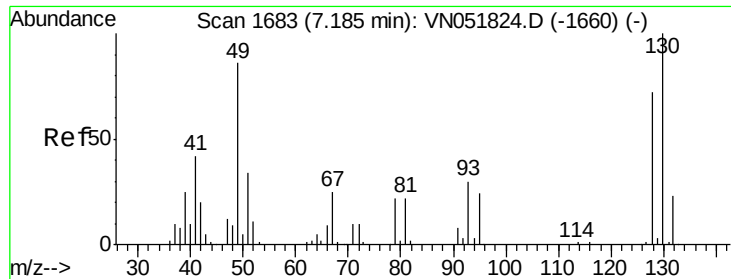
MMDadoda
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#34
Benzene
Concen: 19.787 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2
51	21.5	46.2	69.4#





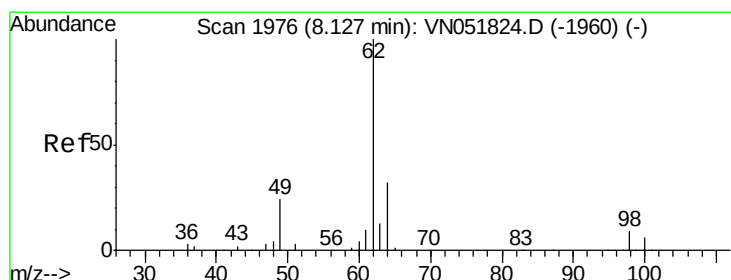
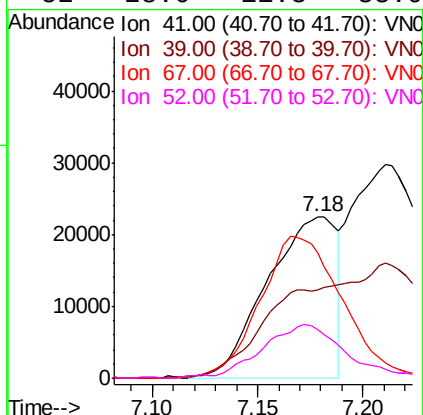
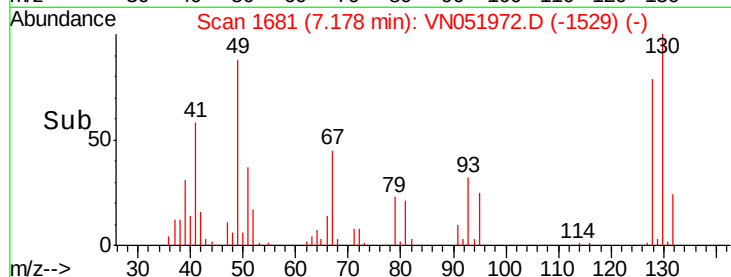
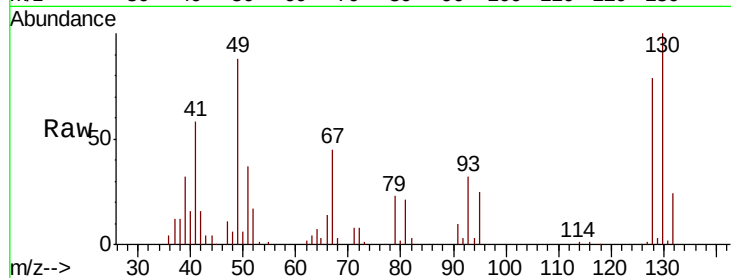
#35
Methacrylonitrile
Concen: 15.975 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	22.6	67.7	
67	76.3	28.9	86.8	
52	28.0	11.3	33.9	

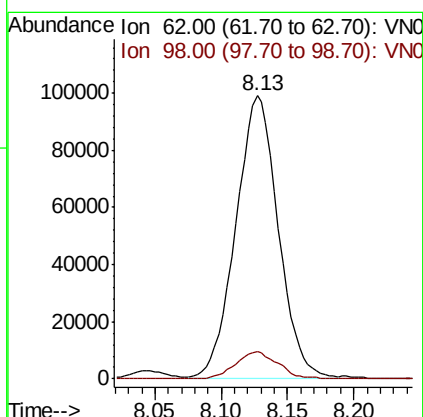
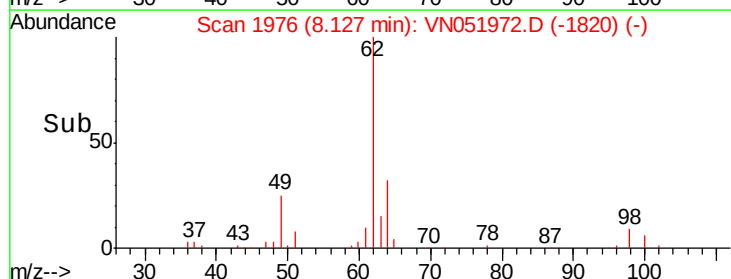
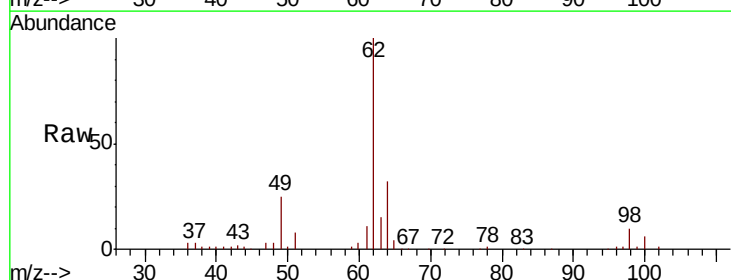
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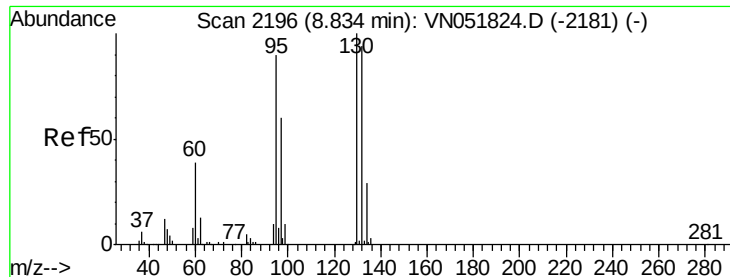
MMDadoda
10/24/2018 10:10:11 AM



#36
1,2-Dichloroethane
Concen: 19.899 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	6.9	10.3	





#37

Trichloroethene

Concen: 20.133 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion:130 Resp: 216824

Ion Ratio Lower Upper

130 100

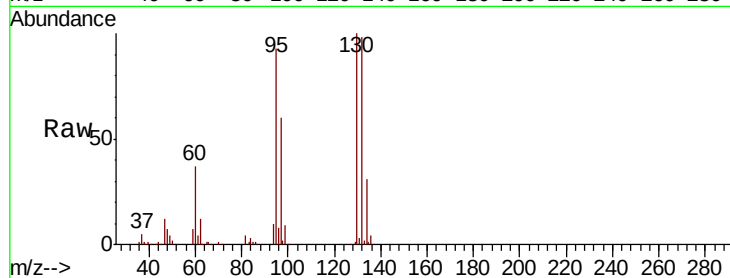
95 92.7 76.4 114.6

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Abundance Ion 129.90 (129.60 to 130.60): VN051824.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051824.D (-2181) (-)

8.84

120000

100000

80000

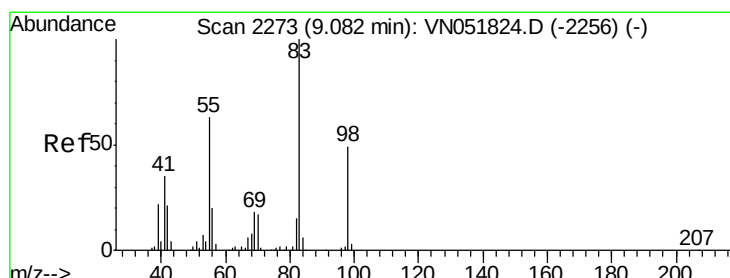
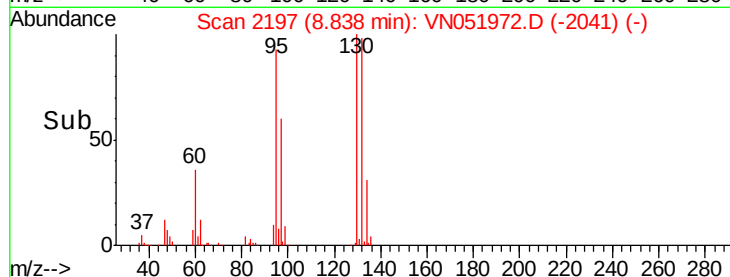
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 17.771 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

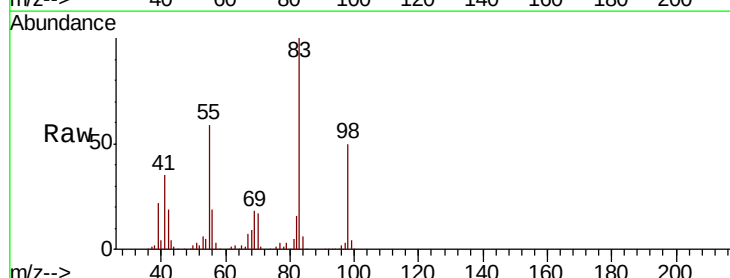
Tgt Ion: 83 Resp: 267330

Ion Ratio Lower Upper

83 100

55 60.5 43.0 129.2

98 49.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-2256) (-)

9.08

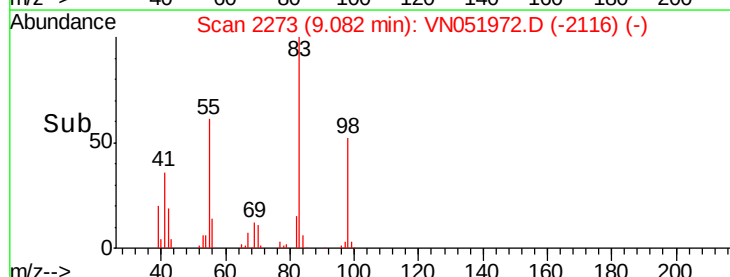
150000

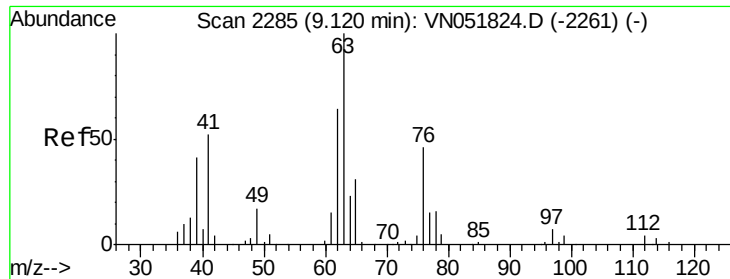
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.347 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 63 Resp: 158071

Ion Ratio Lower Upper

63 100

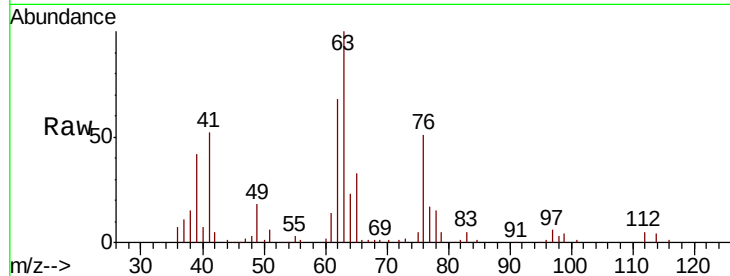
65 32.9 23.2 34.8

Manual Integrations

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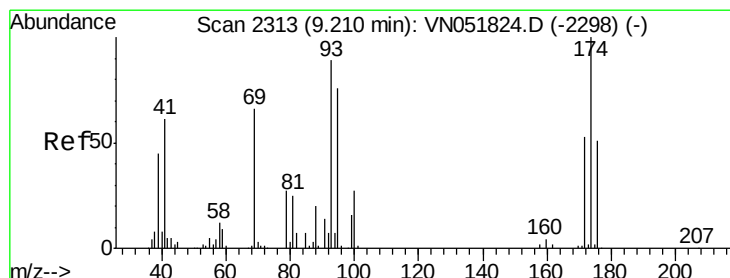
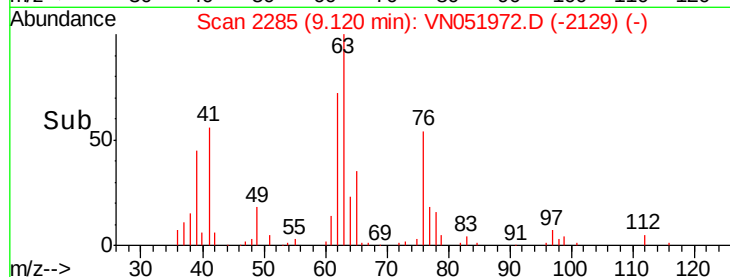
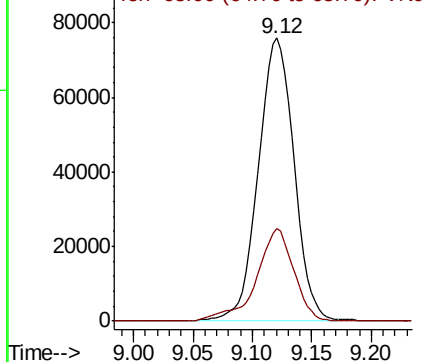
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.916 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

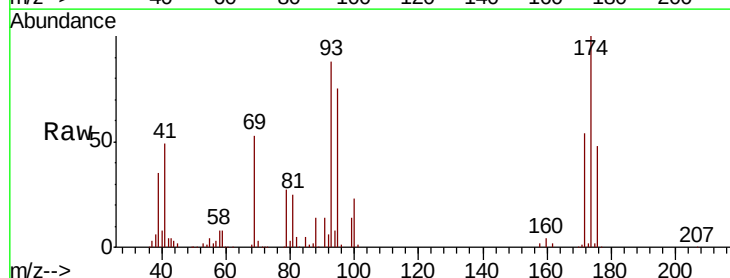
Tgt Ion: 93 Resp: 120769

Ion Ratio Lower Upper

93 100

95 85.2 0.0 162.0

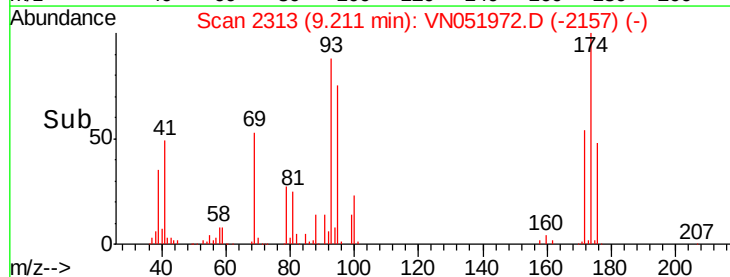
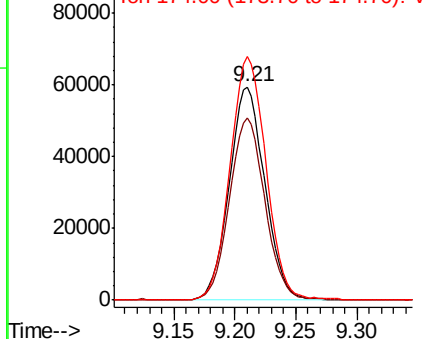
174 114.3 0.0 214.0

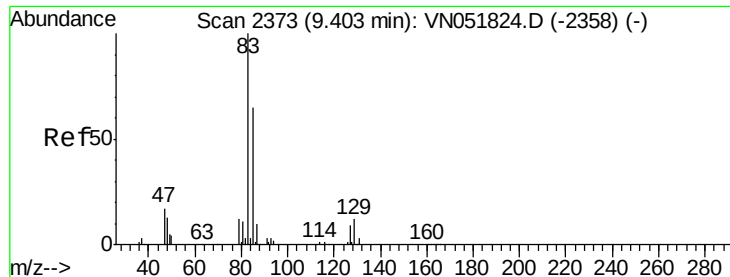


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.420 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

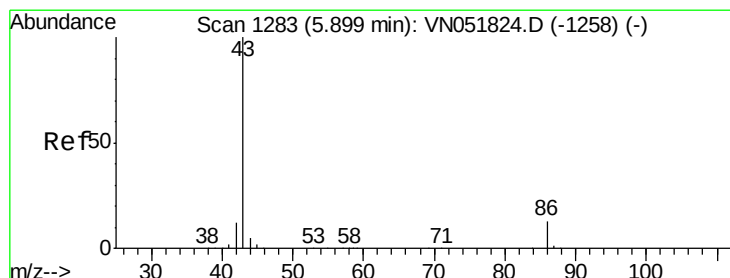
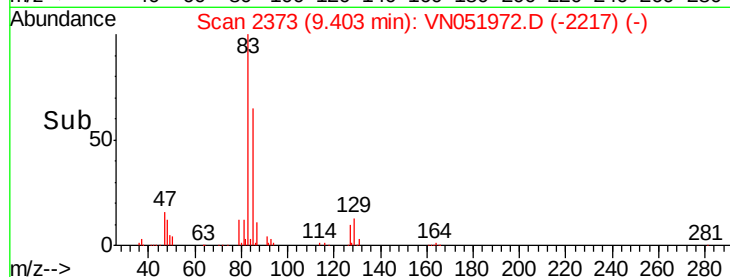
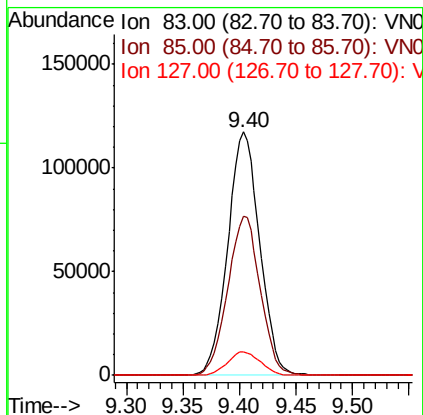
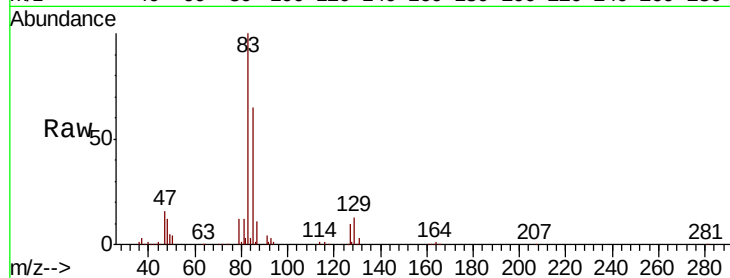
ClientSampleId :

VN1023WBSD01

Tot Ion:	83	Resp:	230714
Ion Ratio	Lower	Upper	
83	100		
85	65.2	55.7	83.5
127	9.6	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 86.356 ug/l

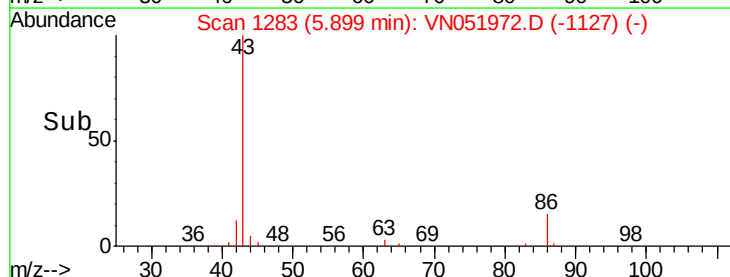
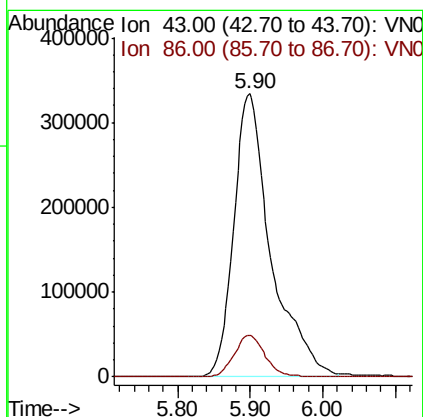
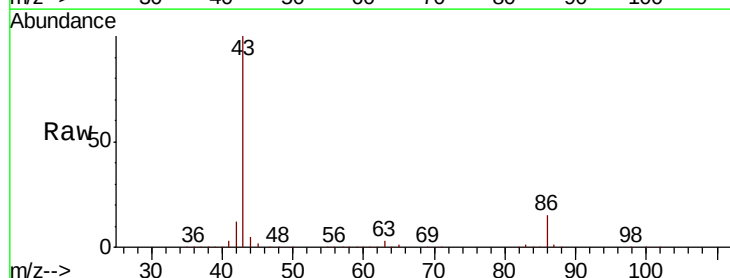
RT: 5.90 min Scan# 1283

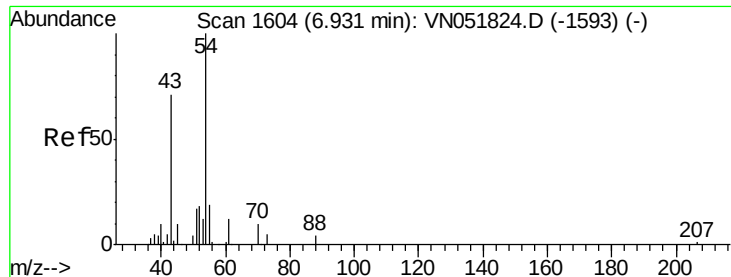
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion:	43	Resp:	1191680
Ion Ratio	Lower	Upper	
43	100		
86	12.2	6.5	9.7#





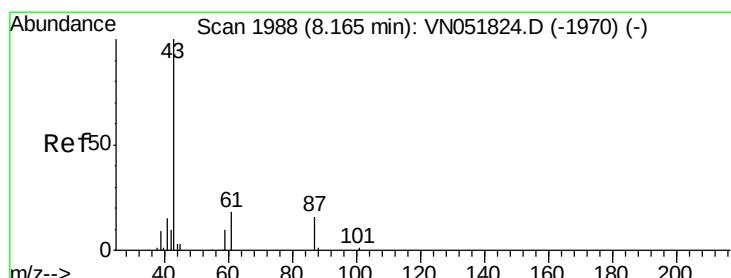
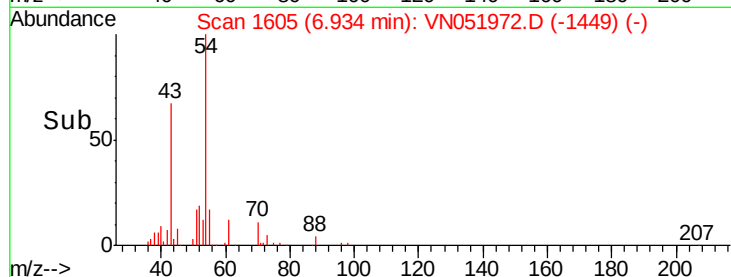
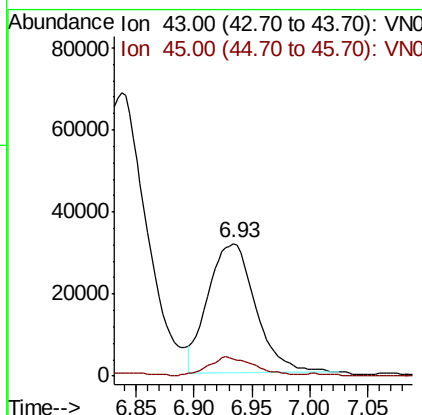
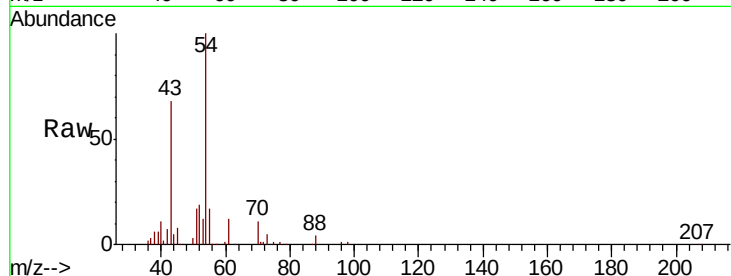
#43
Ethyl Acetate
Concen: 16.896 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	43	Ratio	Lower	Upper
89934	100			
45	13.5	11.0	16.6	

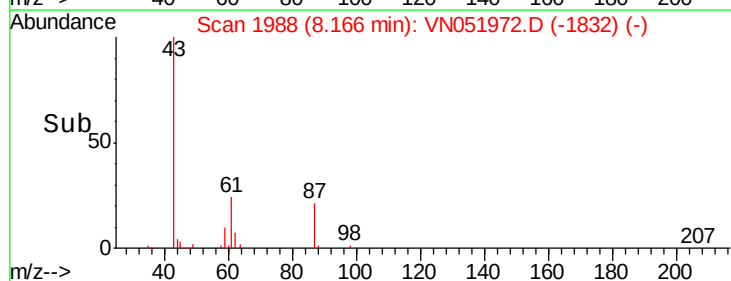
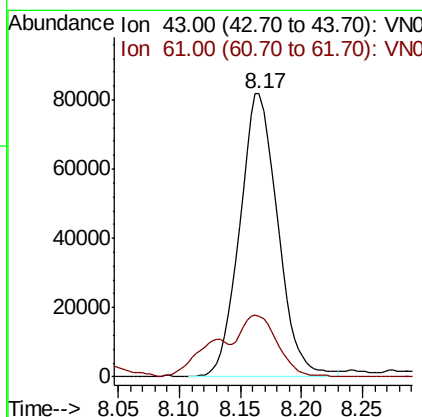
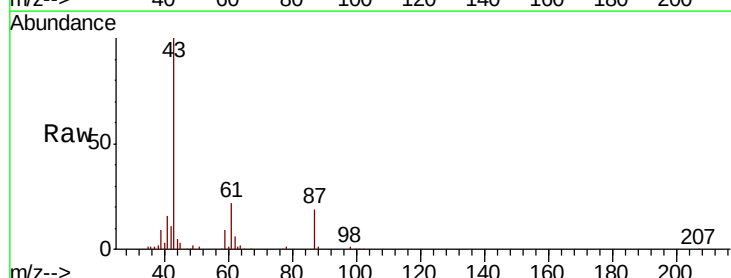
Manual Integrations
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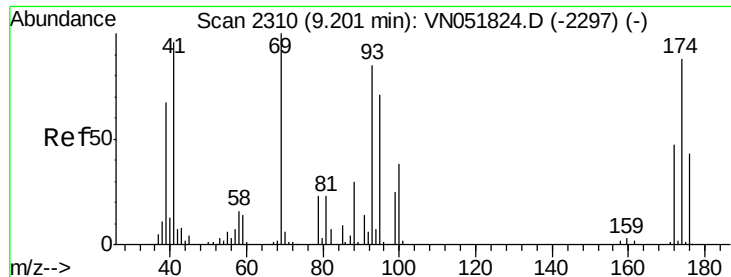
MMDadoda
10/24/2018 10:10:11 AM



#44
Isopropyl Acetate
Concen: 16.524 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	43	Ratio	Lower	Upper
175678	100			
61	21.6	15.9	23.9	





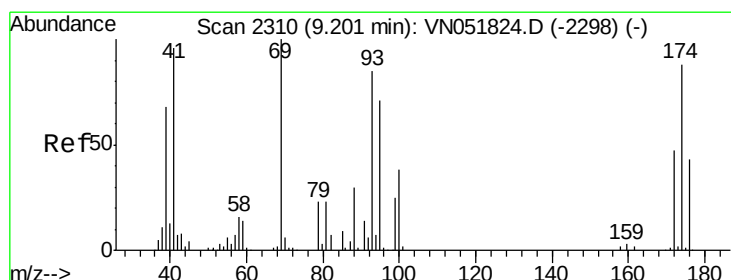
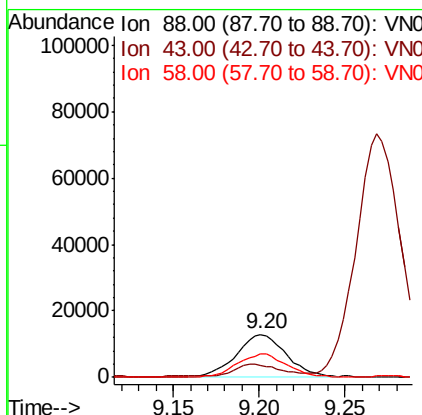
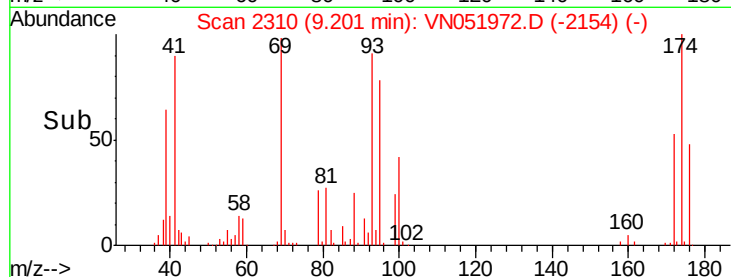
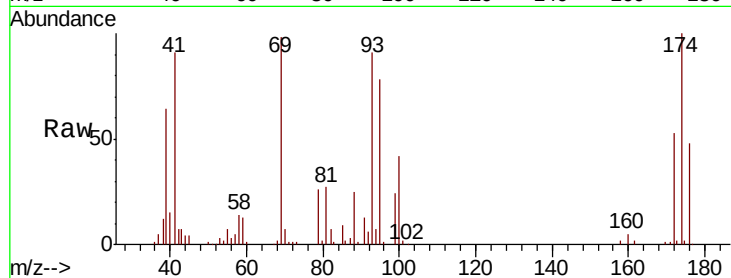
#45
1,4-Dioxane
Concen: 304.339 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	88	Resp	25981
Ion	Ratio	Lower	Upper
88	100		
43	25.2	26.2	39.2#
58	54.8	65.6	98.4#

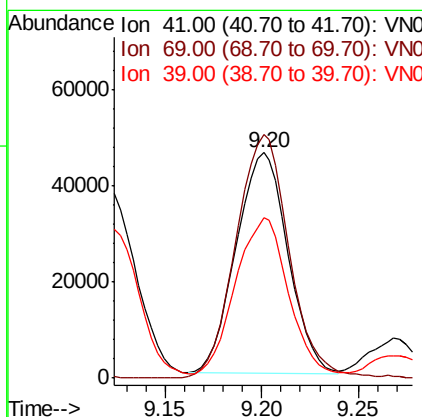
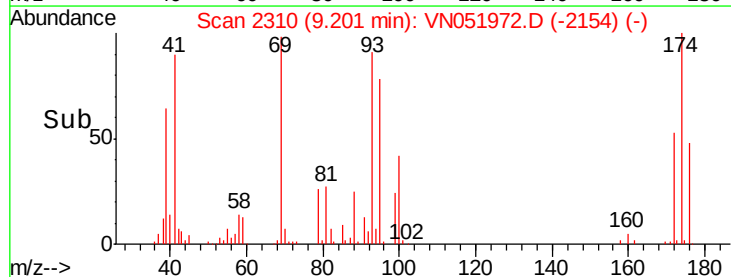
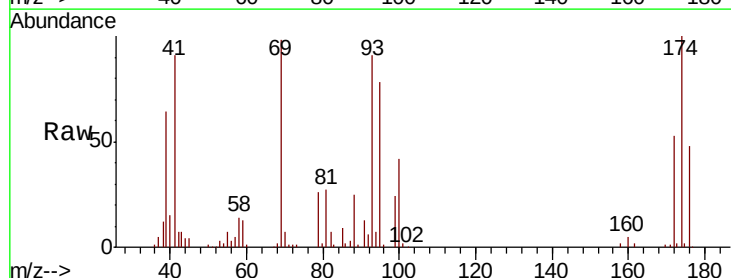
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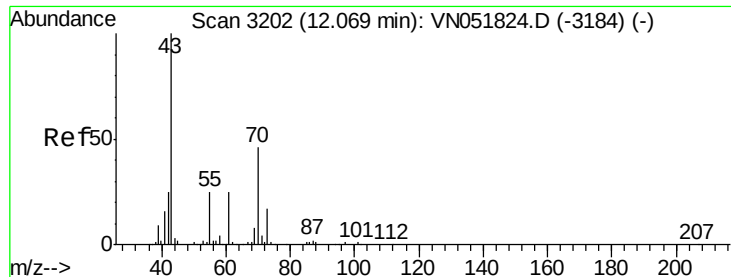
MMDadoda
10/24/2018 10:10:11 AM



#46
Methyl methacrylate
Concen: 17.485 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	41	Resp	85745
Ion	Ratio	Lower	Upper
41	100		
69	109.7	40.7	122.1
39	70.8	27.3	81.9





#47

n-amvl Acetate

Concen: 18.939 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 43 Resp: 168565

Ion Ratio Lower Upper

43 100

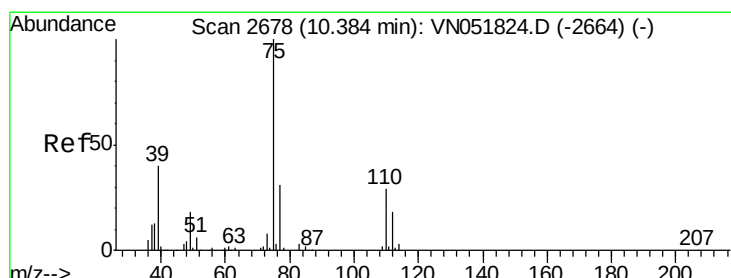
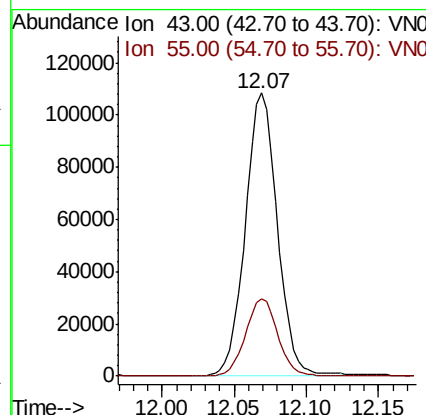
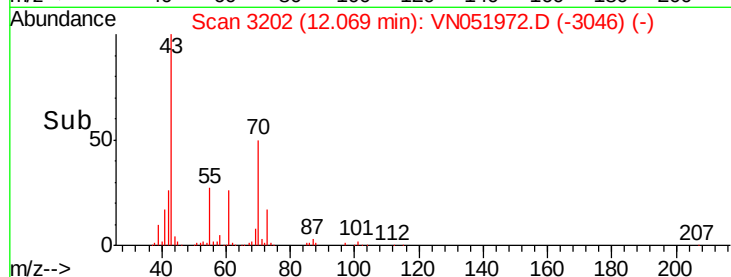
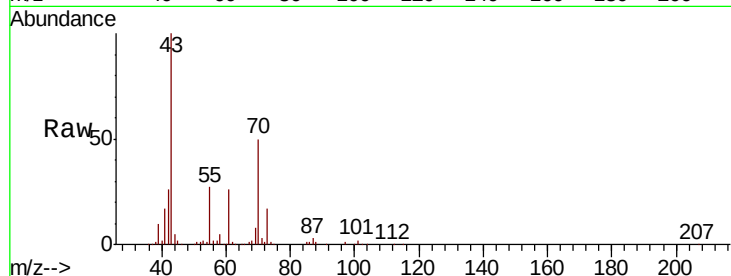
55 0.0 12.2 18.4#

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 16.663 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051972.D

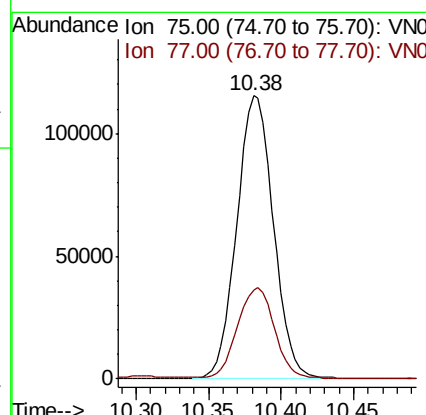
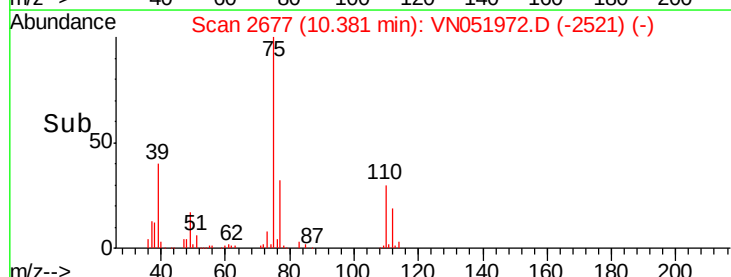
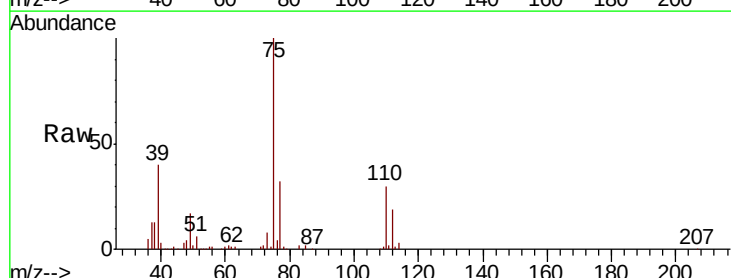
Acq: 23 Oct 2018 19:32

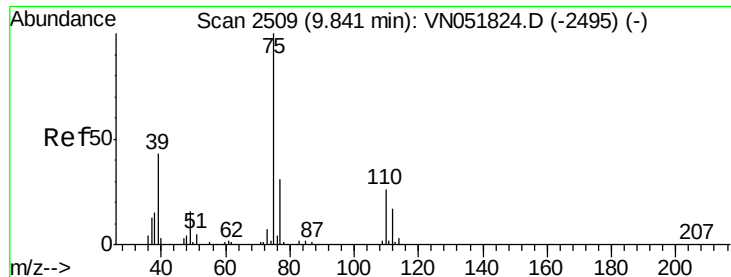
Tgt Ion: 75 Resp: 203521

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 17.951 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

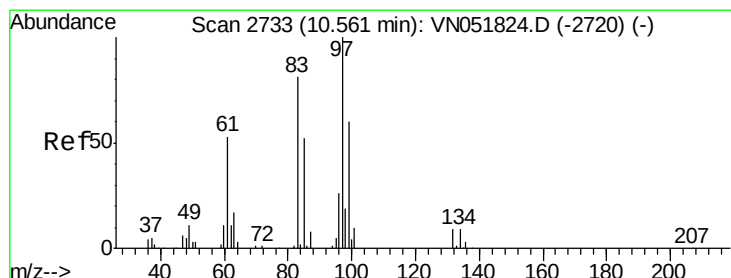
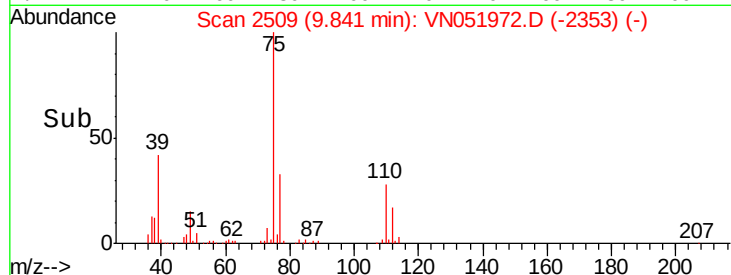
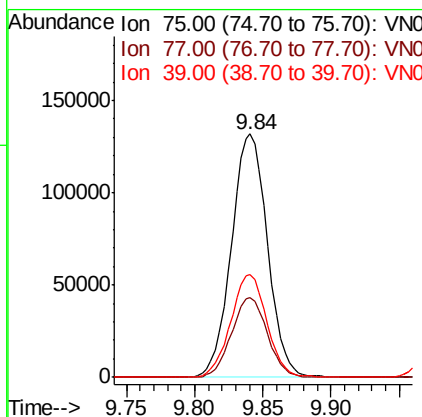
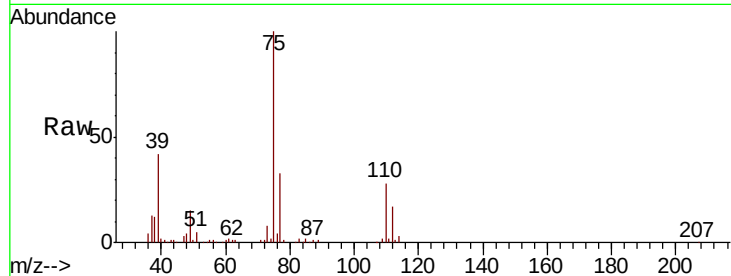
ClientSampleId :

VN1023WBSD01

Tot Ion:	75	Resp:	241697
Ion Ratio	Lower	Upper	
75	100		
77	32.8	23.2	34.8
39	42.2	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 19.830 ug/l

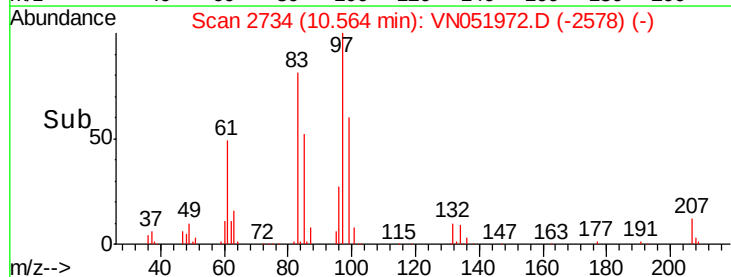
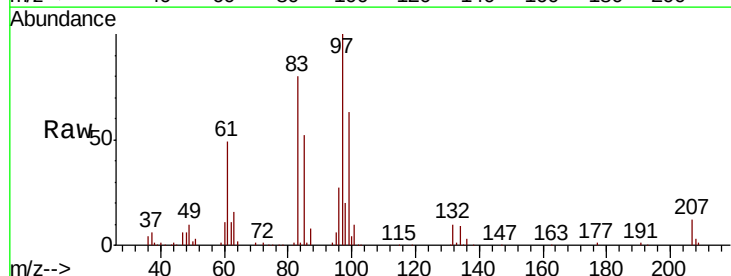
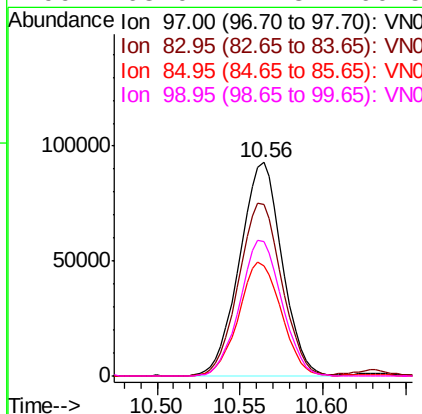
RT: 10.56 min Scan# 2734

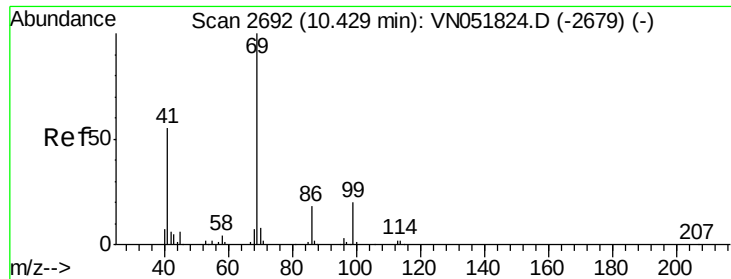
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion:	97	Resp:	166139
Ion Ratio	Lower	Upper	
97	100		
83	80.3	68.2	102.4
85	51.7	42.5	63.7
99	63.0	44.3	66.5





#51

Ethyl methacrylate

Concen: 17.935 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

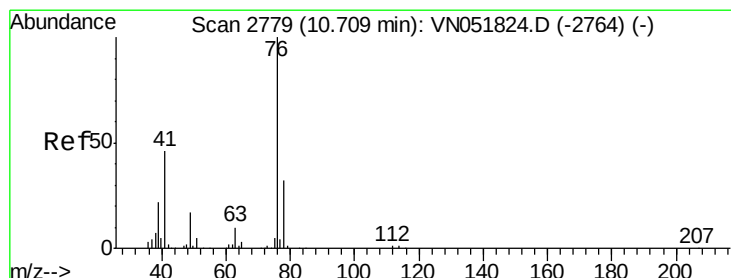
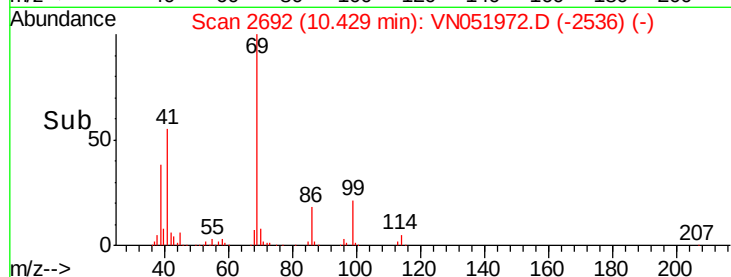
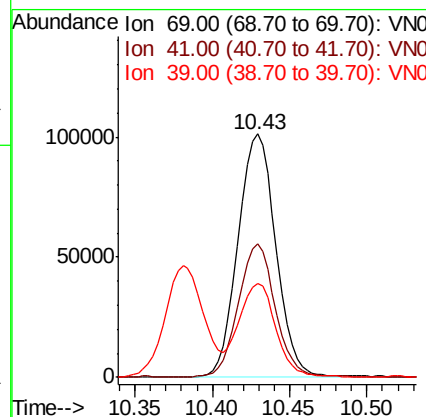
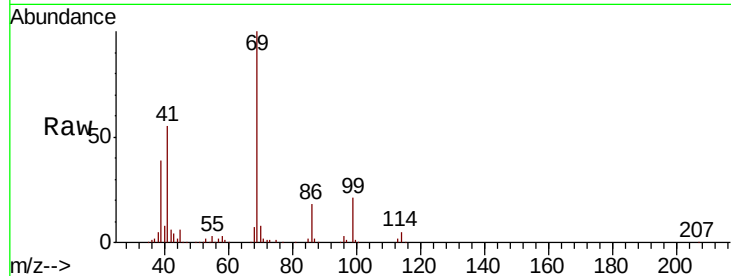
ClientSampleId :

VN1023WBSD01

Tot Ion:	69	Resp:	172032
Ion	Ratio	Lower	Upper
69	100		
41	54.5	34.4	103.1
39	38.3	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 19.647 ug/l

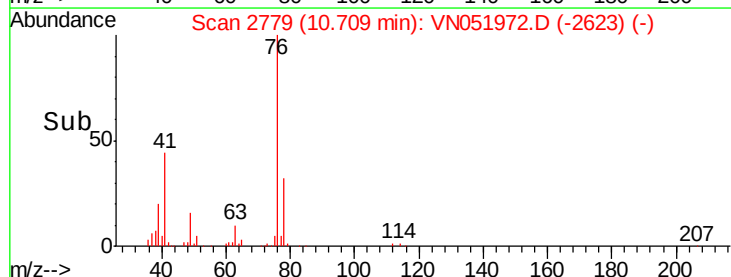
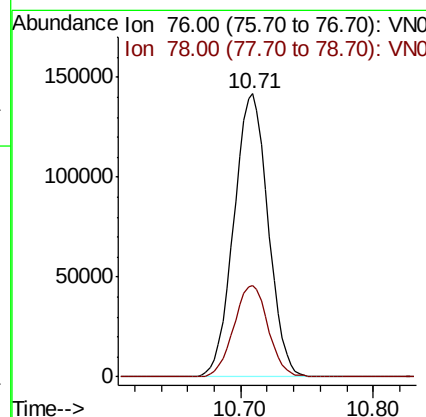
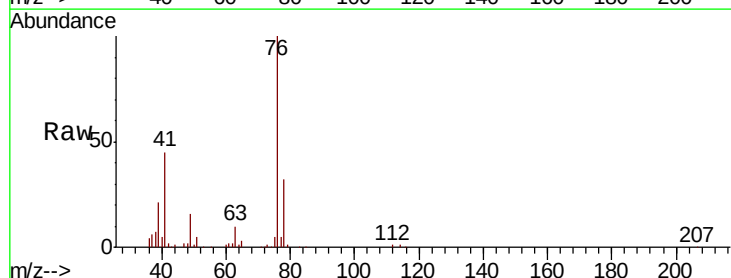
RT: 10.71 min Scan# 2779

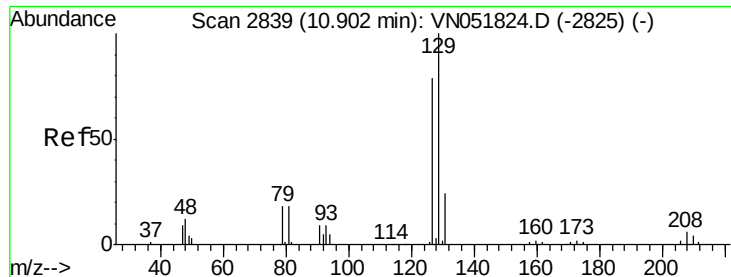
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion:	76	Resp:	254041
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	67.6





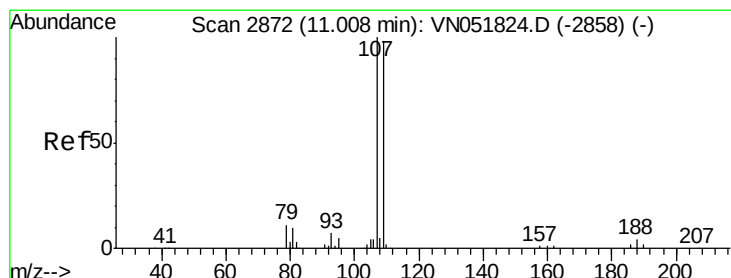
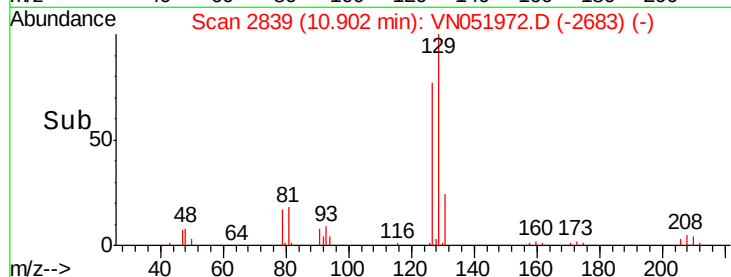
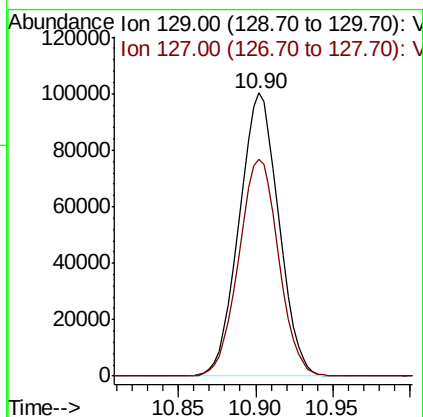
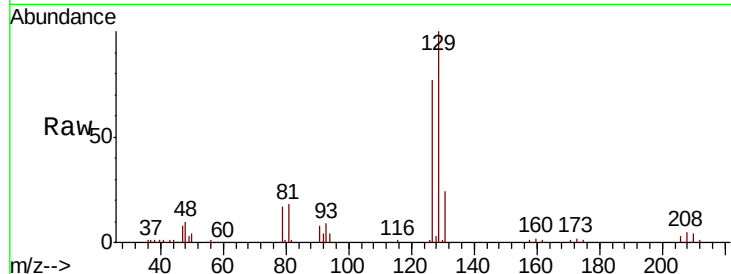
#53
 Dibromochloromethane
 Concen: 17.232 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion:129 Resp: 178602
 Ion Ratio Lower Upper
 129 100
 127 77.2 40.2 120.5

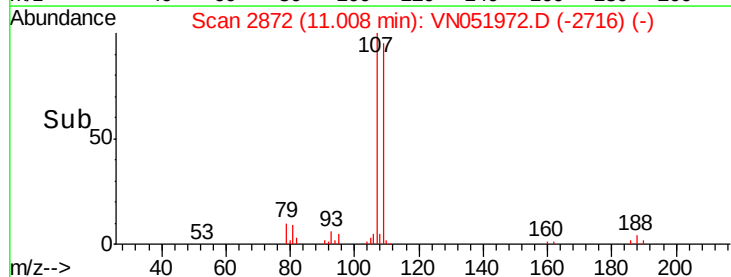
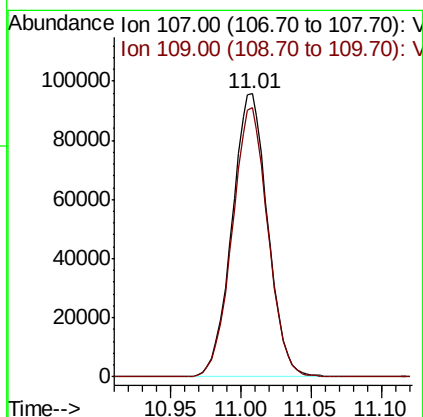
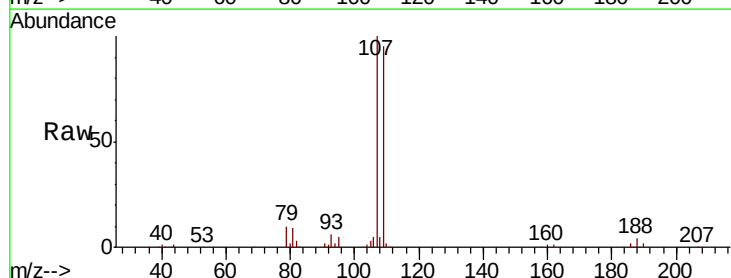
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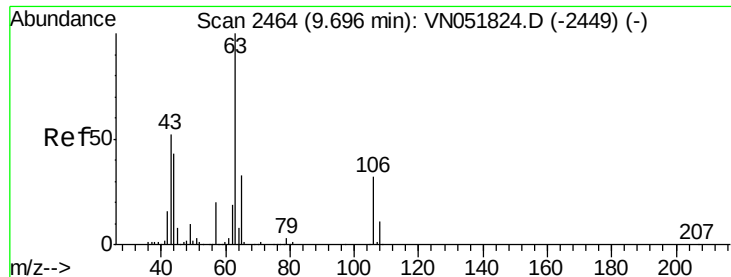
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#54
 1,2-Dibromoethane
 Concen: 19.306 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion:107 Resp: 169780
 Ion Ratio Lower Upper
 107 100
 109 94.9 77.4 116.0





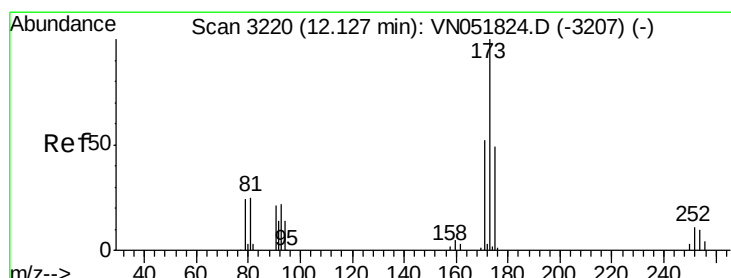
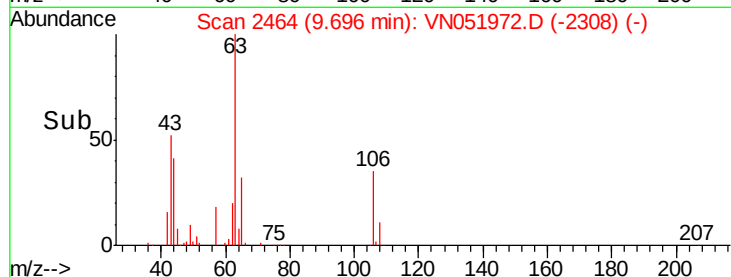
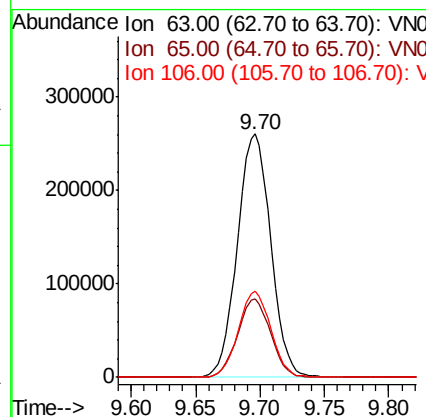
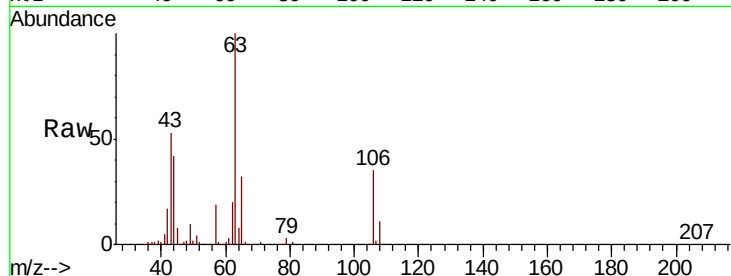
#55
2-Chloroethyl vinyl ether
Concen: 114.386 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0
106	34.4	21.2	31.8

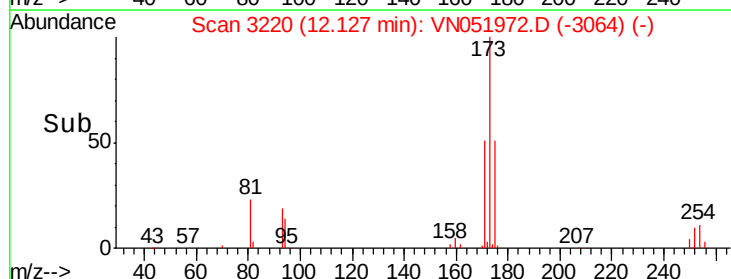
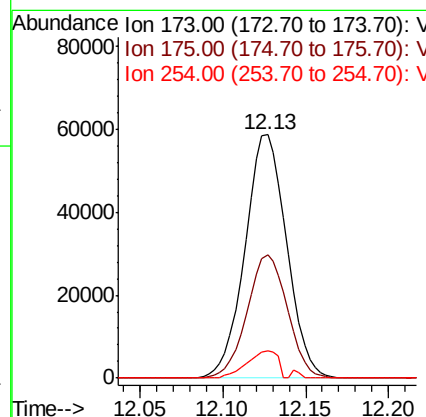
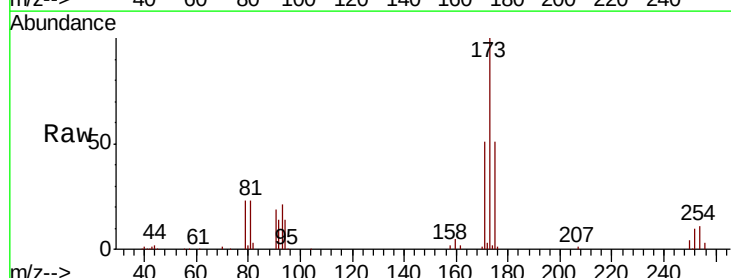
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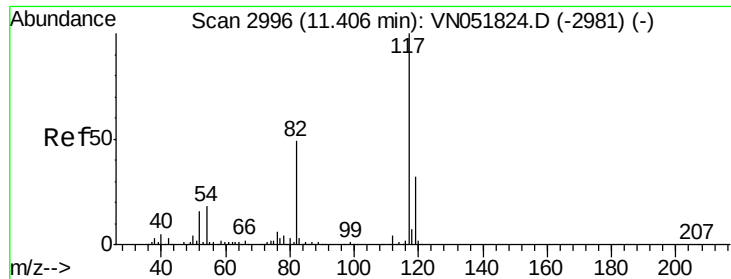
MMDadoda
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#56
Bromoform
Concen: 15.029 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	35.8	53.8
254	8.3	8.6	13.0





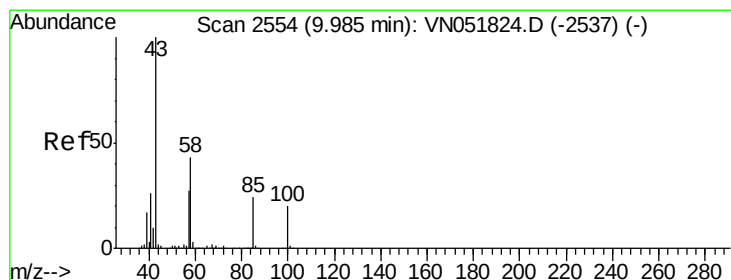
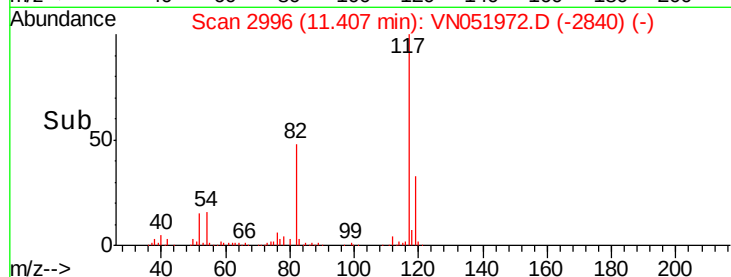
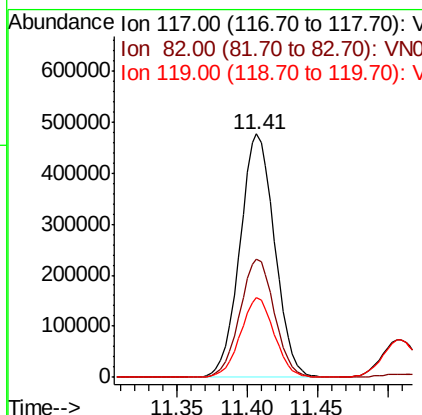
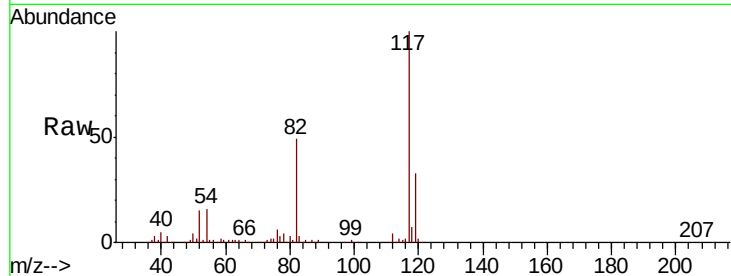
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.1	66.1
119	31.8	25.8	38.8

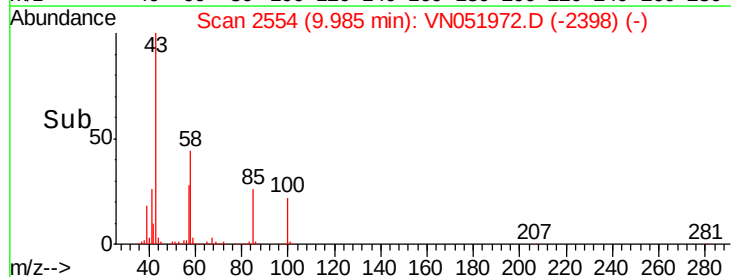
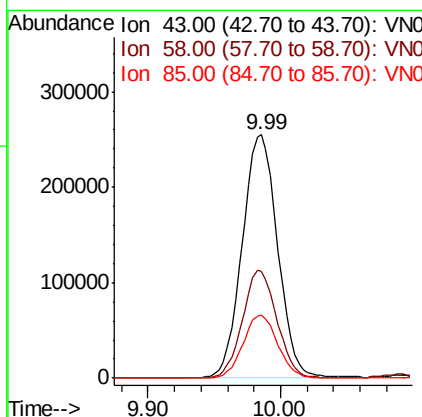
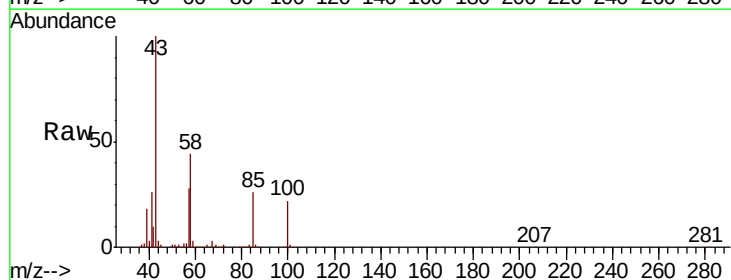
Manual Integrations
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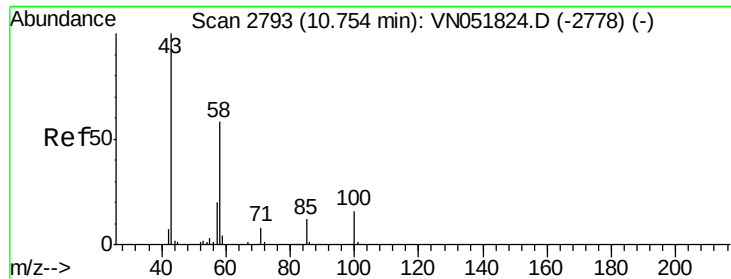
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 85.902 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	29.3	43.9
85	25.4	12.6	18.8





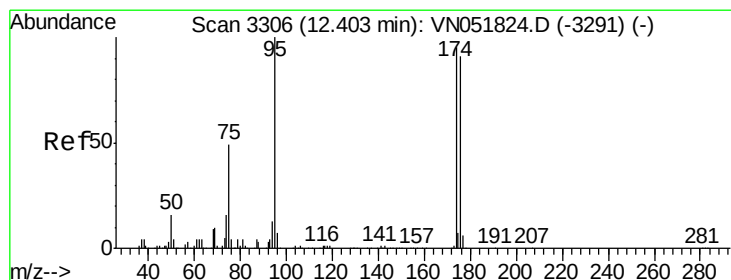
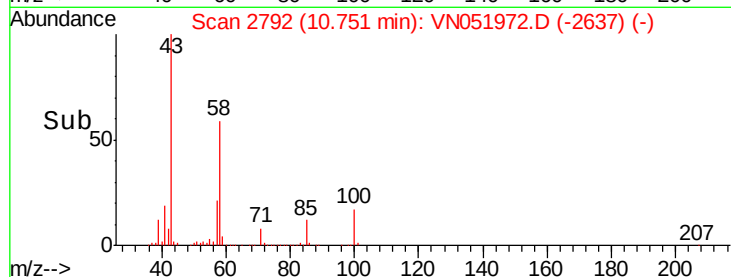
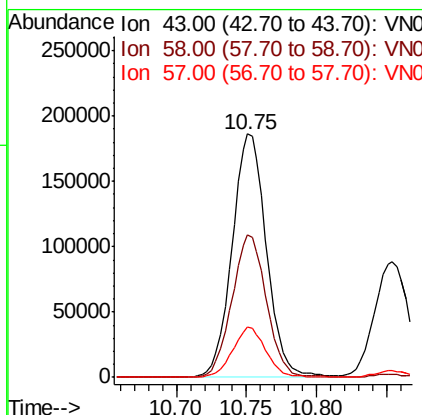
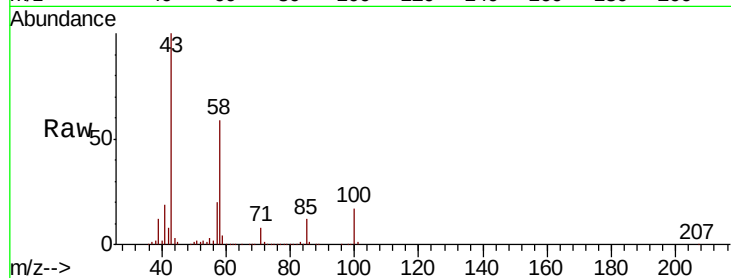
#59
2-Hexanone
Concen: 85.137 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	41.3	61.9
57	19.9	13.4	20.0

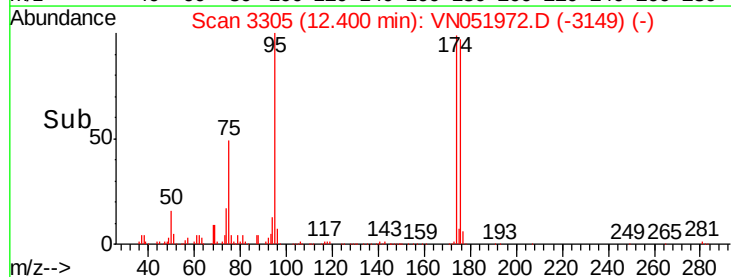
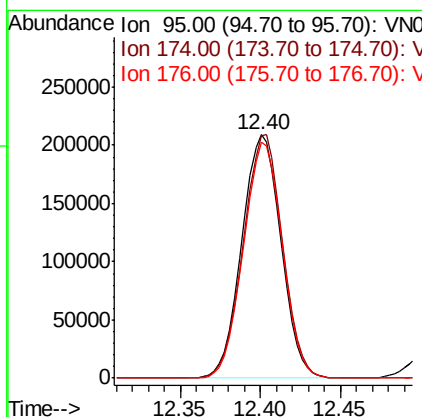
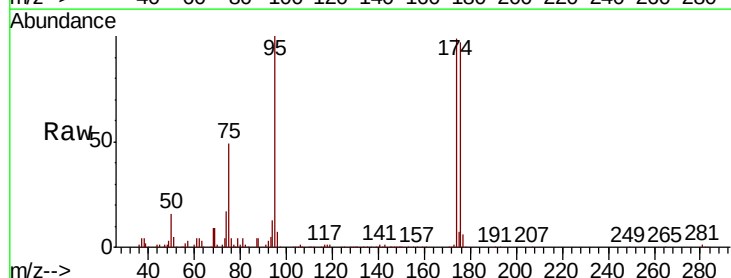
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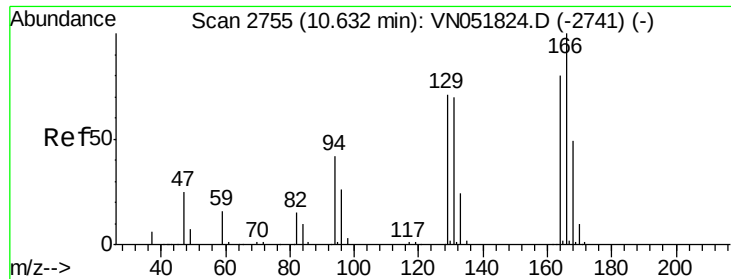
MMDadoda
10/24/2018 10:10:11 AM



#60
4-Bromofluorobenzene
Concen: 85.137 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.2	73.5	110.3
176	96.3	70.2	105.2





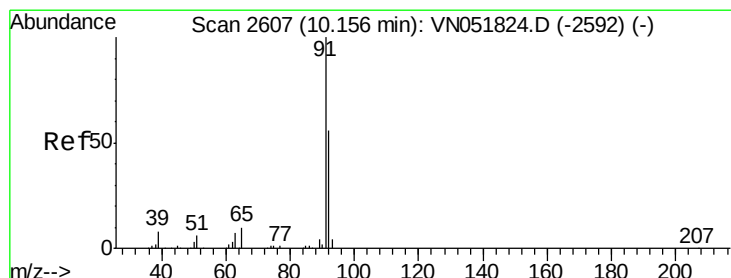
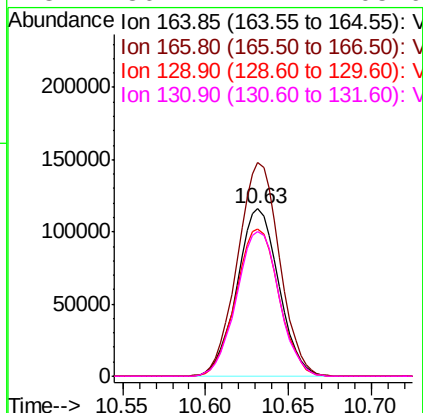
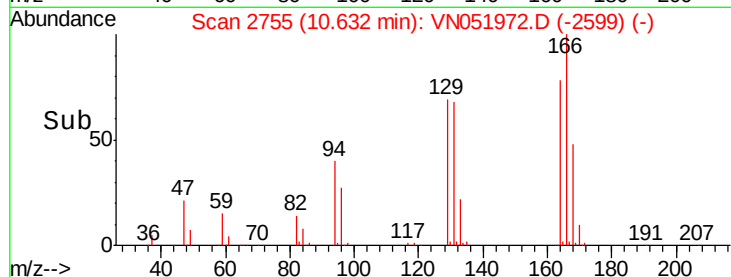
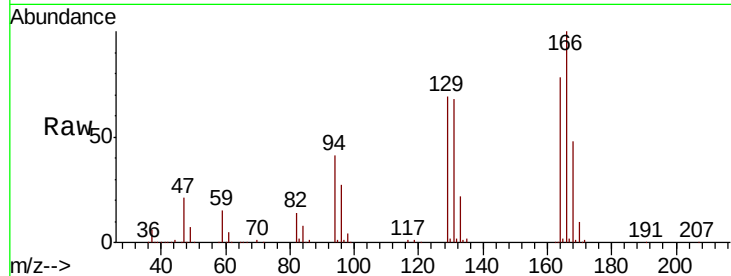
#61
Tetrachloroethene
Concen: 19.379 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.7	148.1
129	88.2	69.6	104.4
131	86.1	72.4	108.6

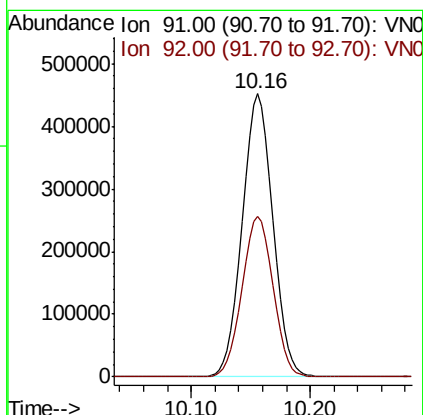
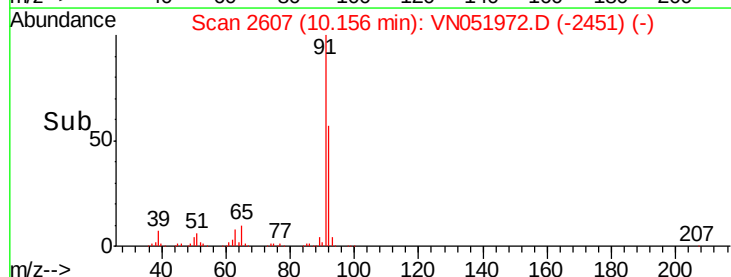
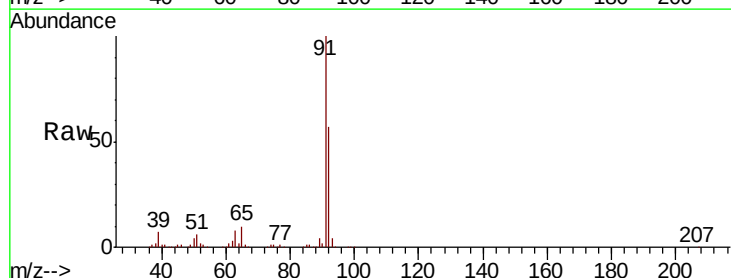
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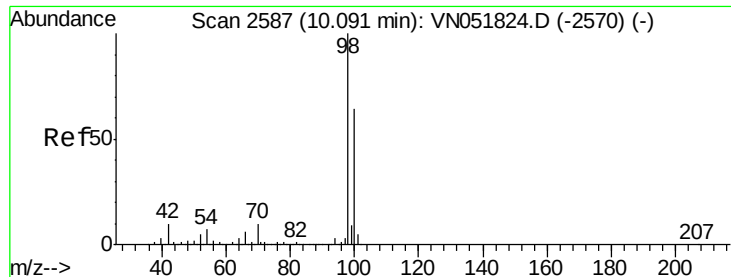
MMDadoda
10/24/2018 10:10:11 AM



#62
Toluene
Concen: 19.789 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	44.6	66.8





#63

Toluene-d8

Concen: 19.789 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 98 Resp: 1060328

Ion Ratio Lower Upper

98 100

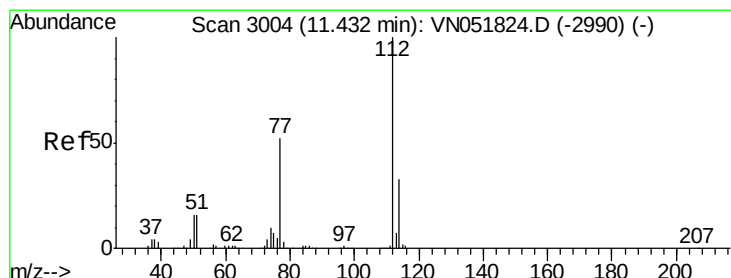
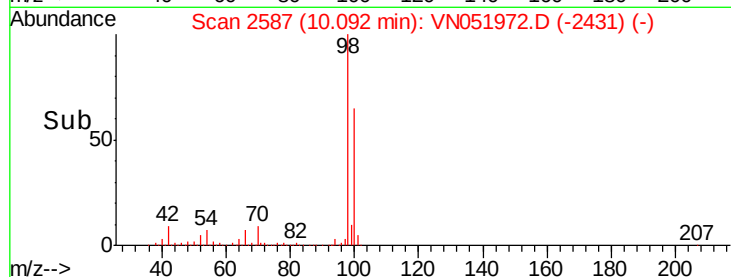
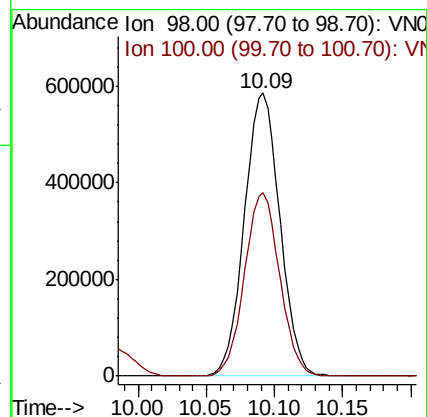
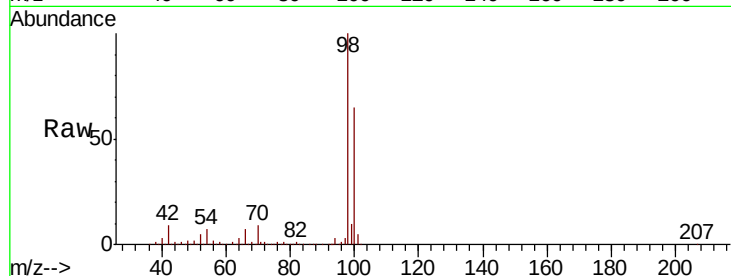
100 64.1 50.8 76.2

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#64

Chlorobenzene

Concen: 20.256 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051972.D

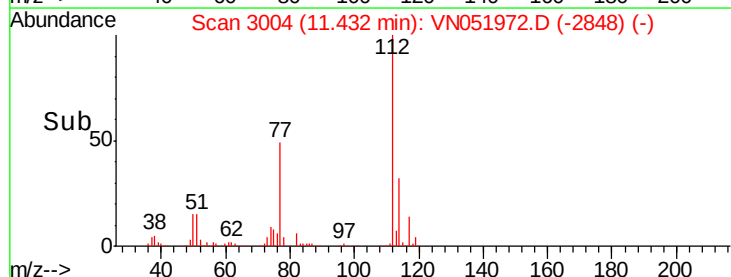
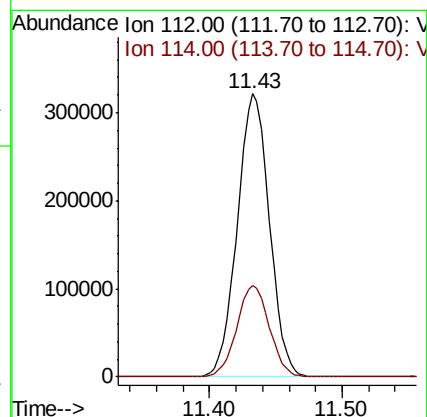
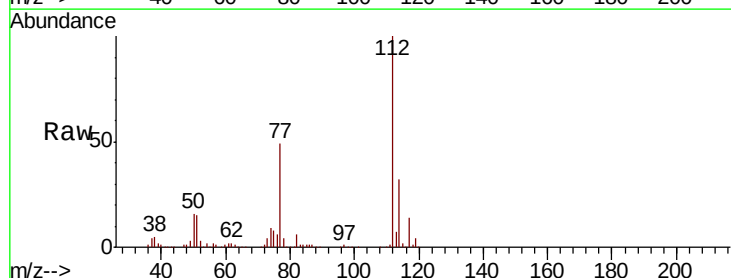
Acq: 23 Oct 2018 19:32

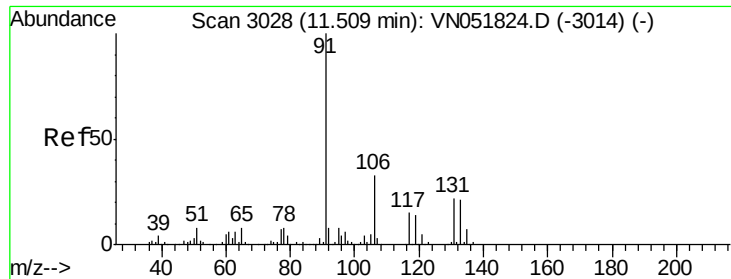
Tgt Ion: 112 Resp: 541070

Ion Ratio Lower Upper

112 100

114 32.3 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.830 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

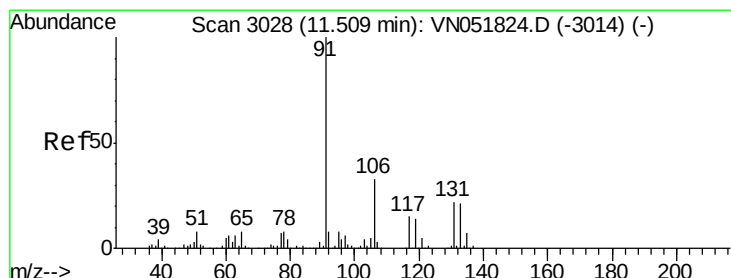
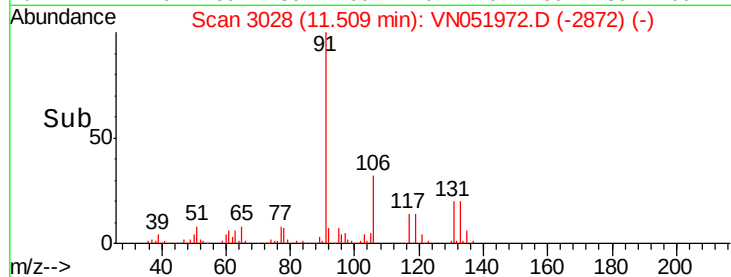
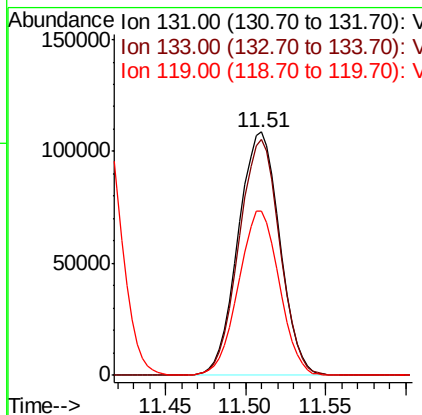
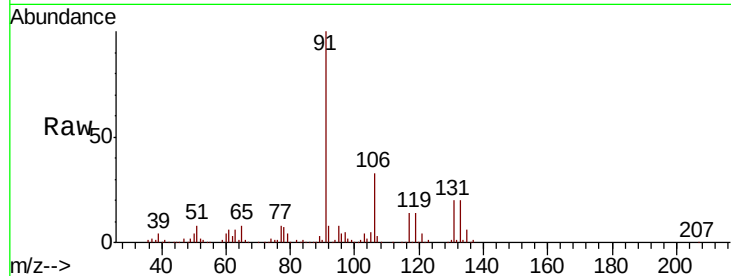
ClientSampleId :

VN1023WBSD01

Tot Ion:	131	Resp:	193058
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	190.4
119	66.3	0.0	128.0

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#66

Ethyl Benzene

Concen: 19.712 ug/l

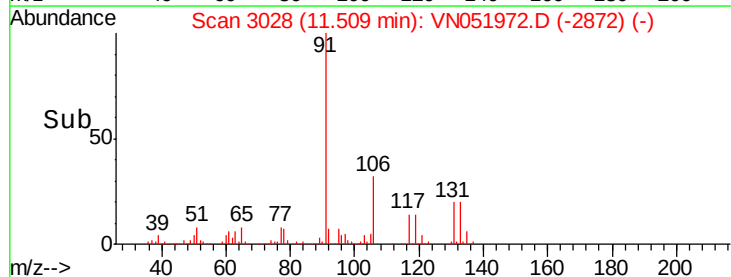
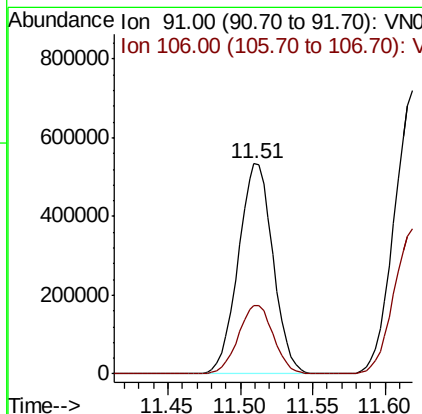
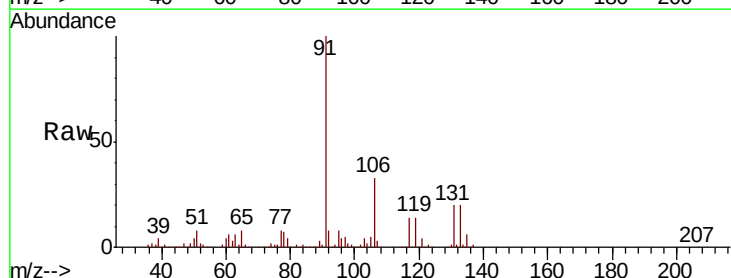
RT: 11.51 min Scan# 3028

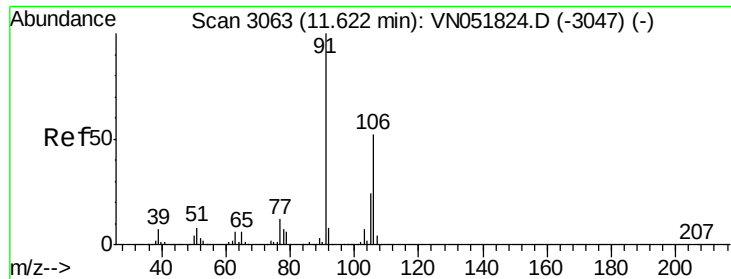
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion:	91	Resp:	888582
Ion Ratio	Lower	Upper	
91	100		
106	32.8	25.9	38.9





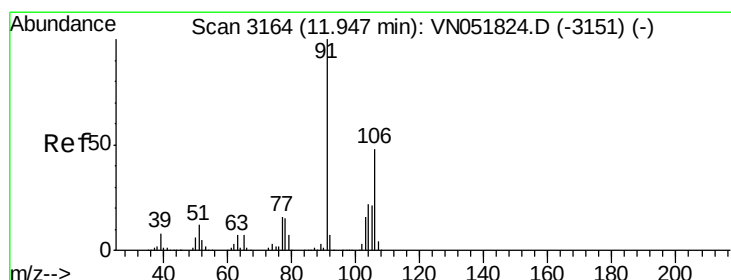
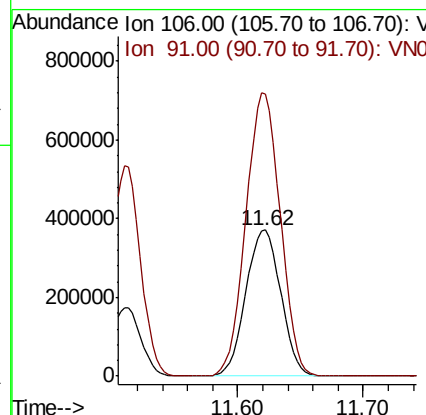
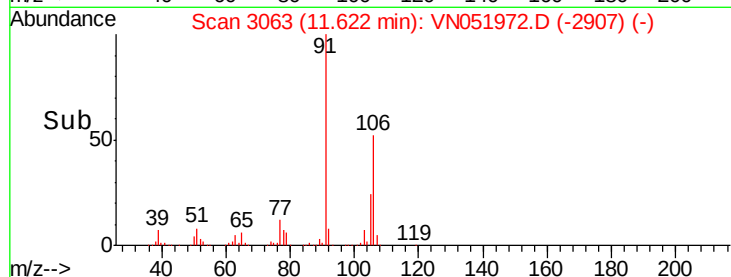
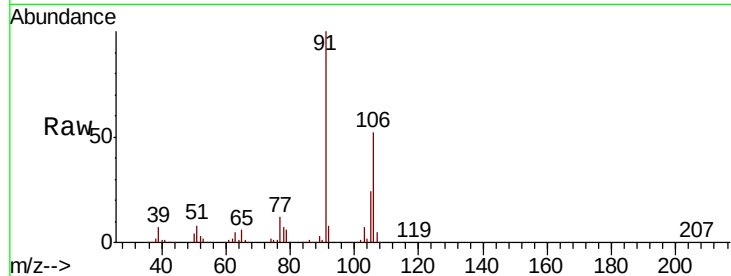
#67
m/p-Xylenes
Concen: 39.446 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		720882		
91	190.8	158.8	238.2		

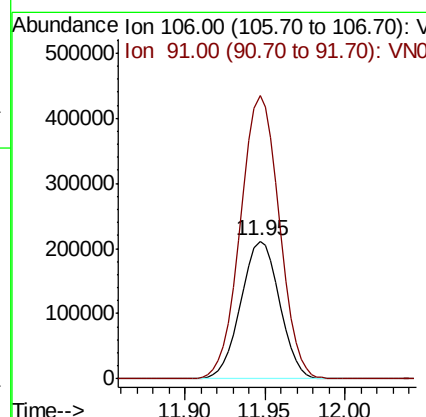
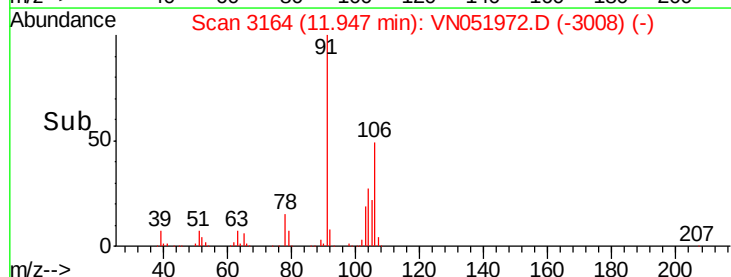
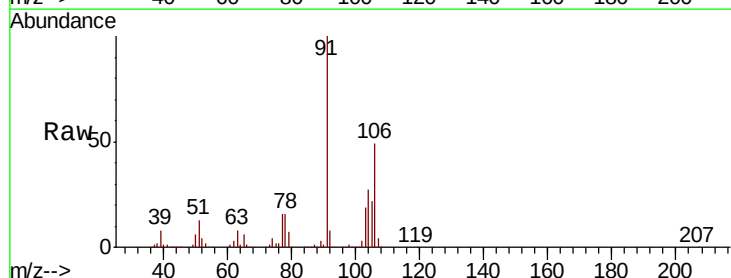
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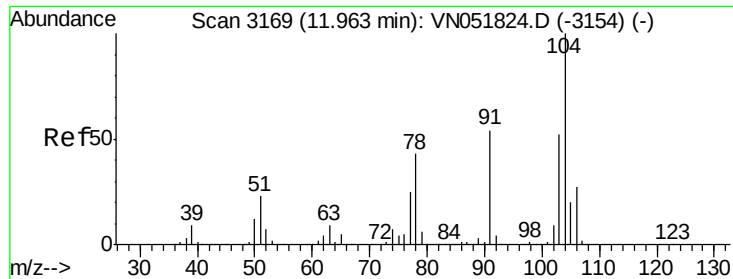
MMDadoda
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#68
o-Xylene
Concen: 19.301 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		347725		
91	206.4	111.1	333.3		





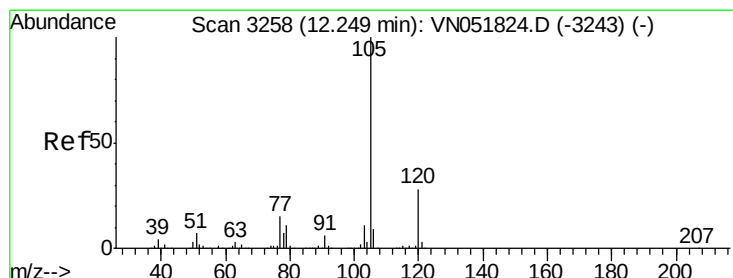
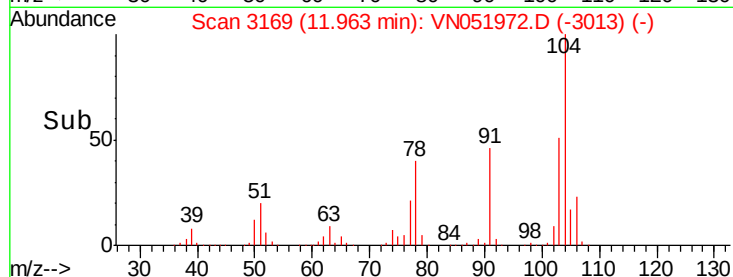
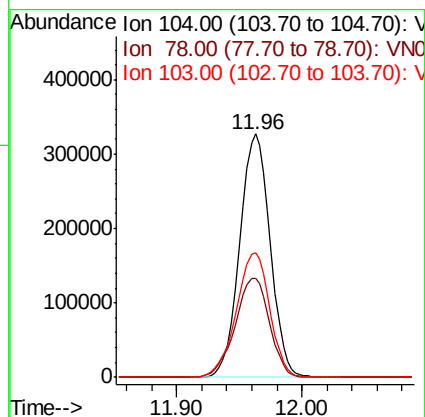
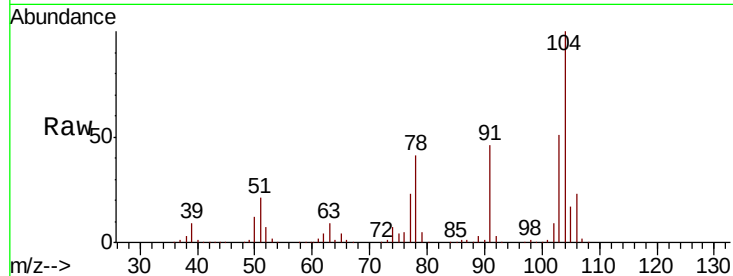
#69
Stvrene
Concen: 19.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.0	40.6	60.8
103	56.1	44.0	66.0

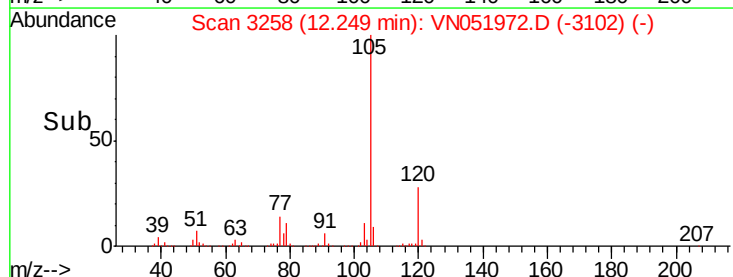
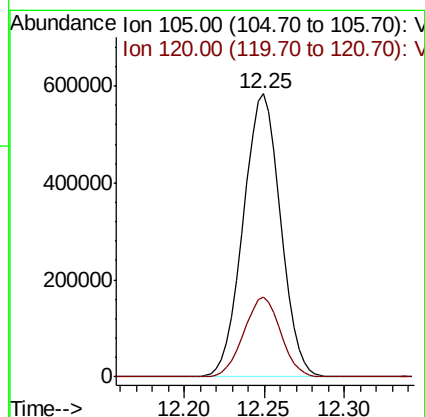
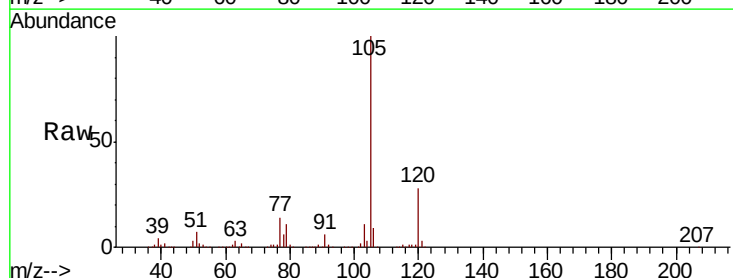
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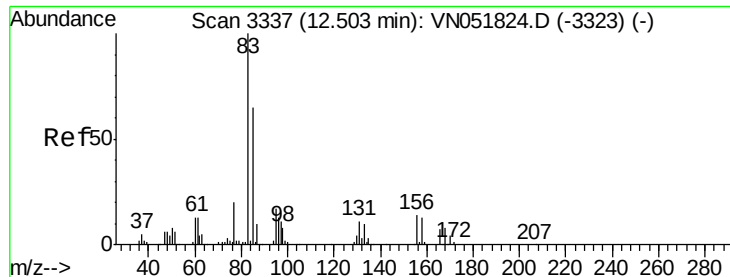
MMDadoda
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#70
Isopropylbenzene
Concen: 19.376 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	19.0	35.4





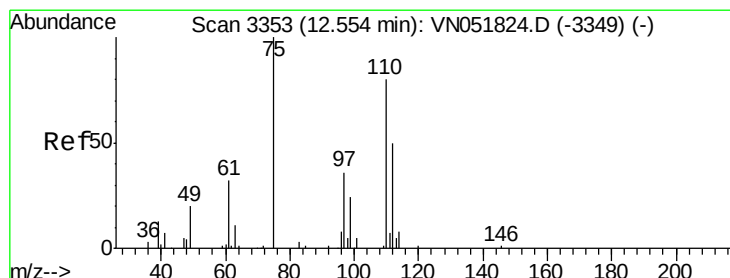
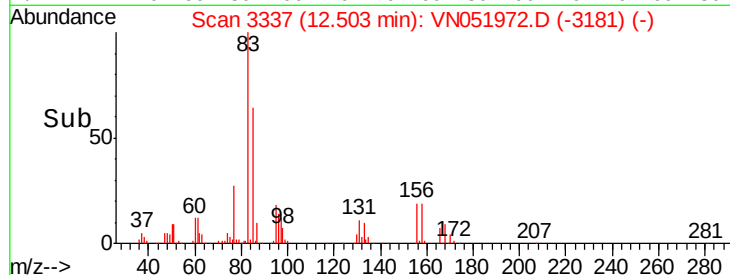
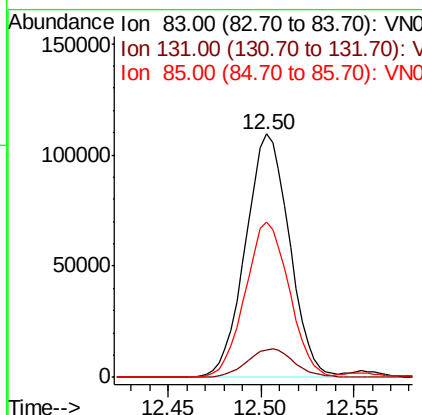
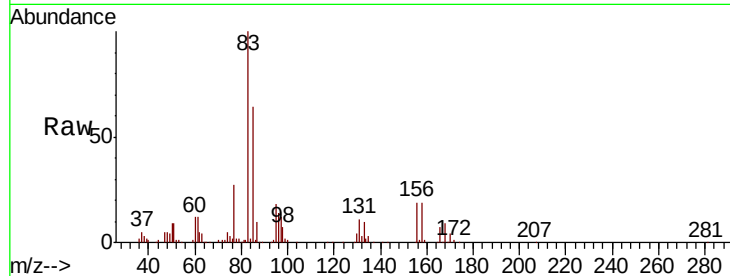
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.988 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	180159		
131	12.5	5.5	16.4	
85	63.9	30.6	91.8	

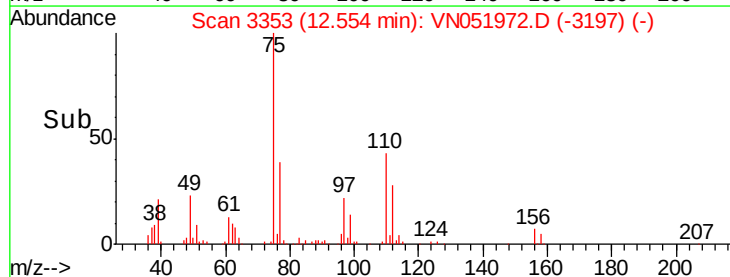
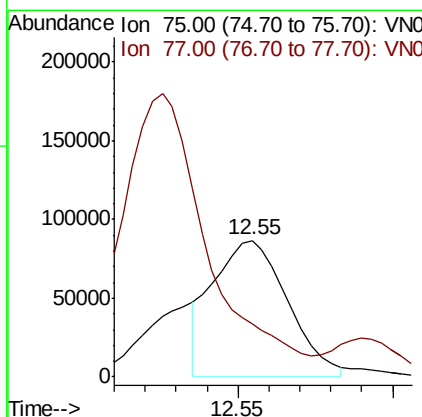
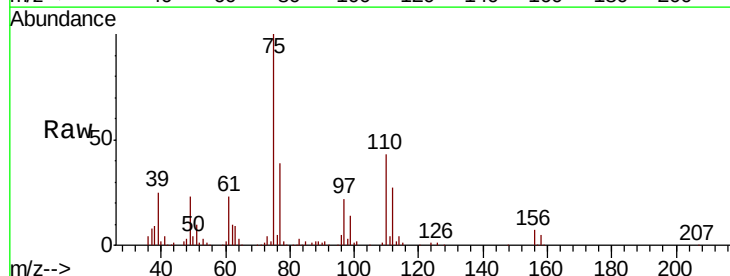
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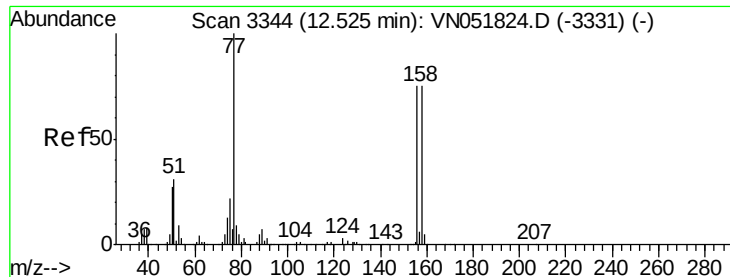
MMDadoda
 10/24/2018 10:10:11 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.516 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145667		
77	241.7	0.0	400.0	





#73

Bromobenzene

Concen: 21.098 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

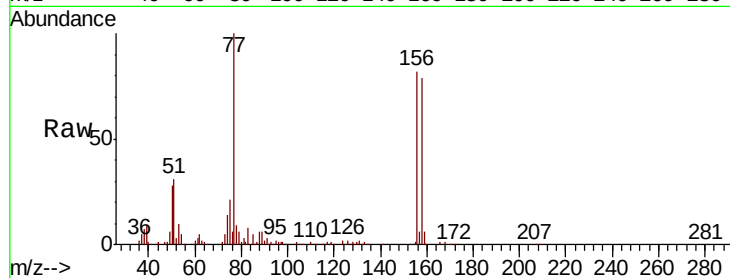
ClientSampleId :

VN1023WBSD01

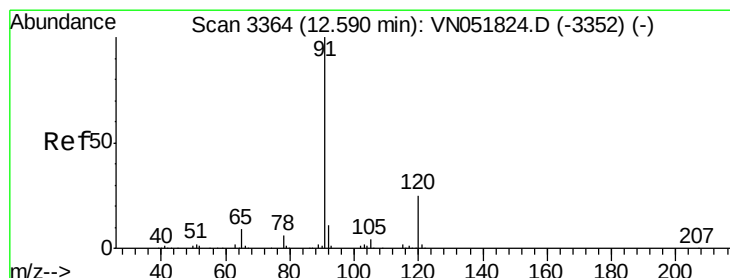
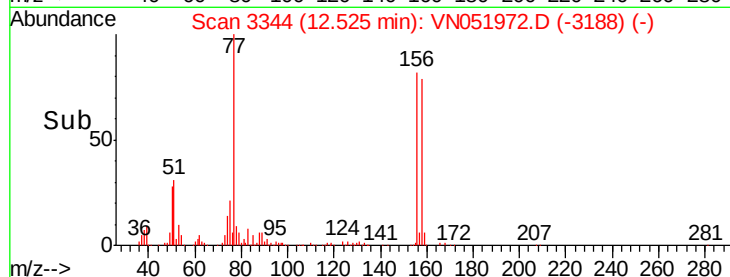
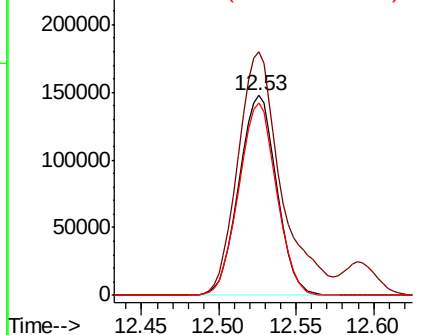
Tot Ion:	156	Resp:	251065
Ion Ratio	Lower	Upper	
156	100		
77	140.2	0.0	377.4
158	96.1	0.0	203.0

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.517 ug/l

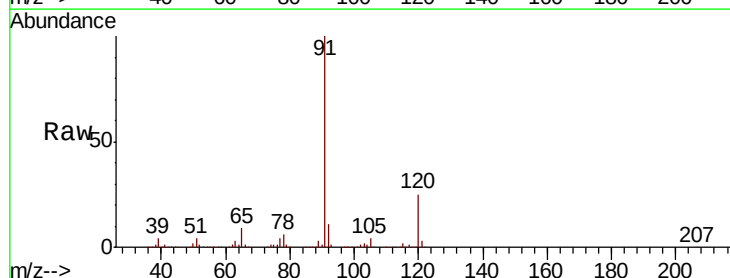
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

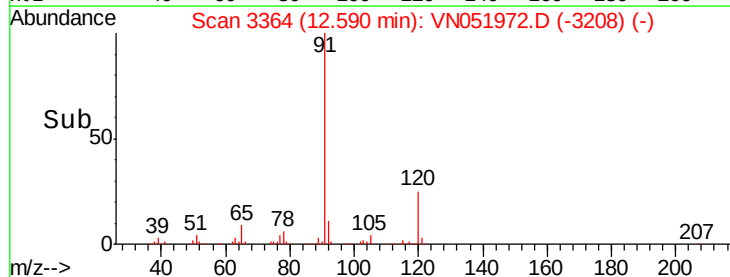
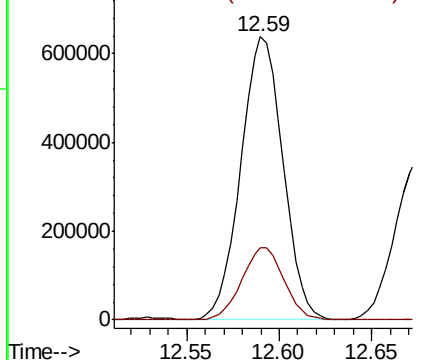
Lab File: VN051972.D

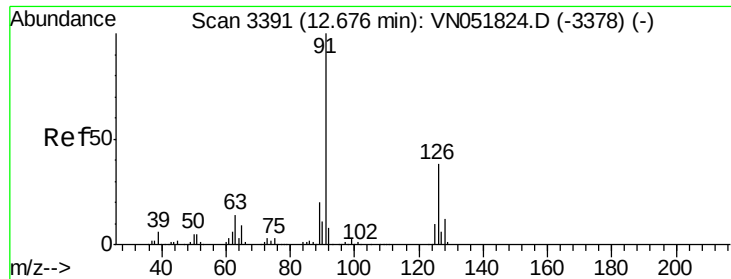
Acq: 23 Oct 2018 19:32

Tgt Ion:	91	Resp:	1008624
Ion Ratio	Lower	Upper	
91	100		
120	25.4	0.0	45.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.317 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 91 Resp: 585250

Ion Ratio Lower Upper

91 100

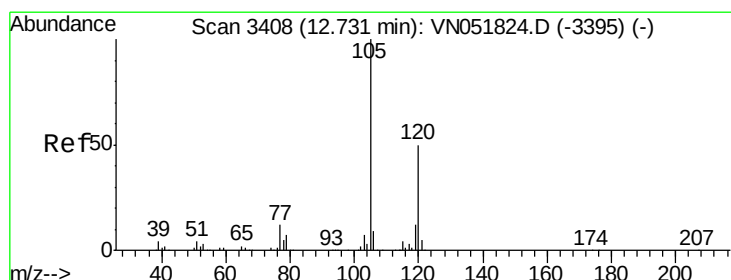
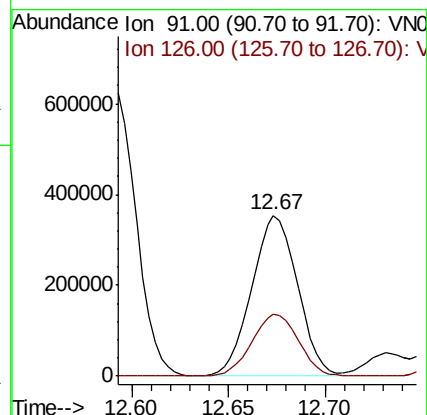
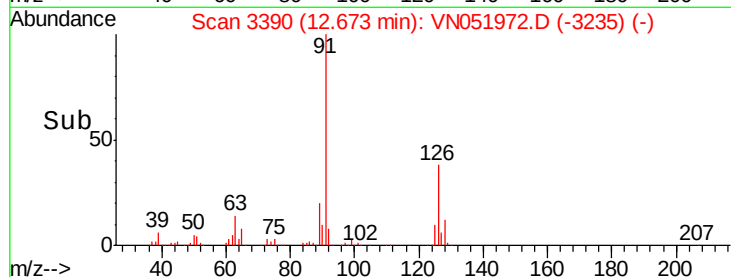
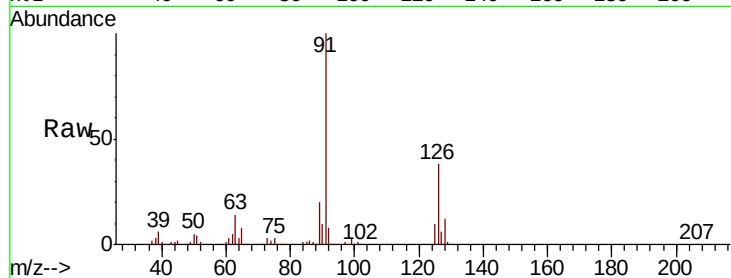
126 39.2 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 19.053 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051972.D

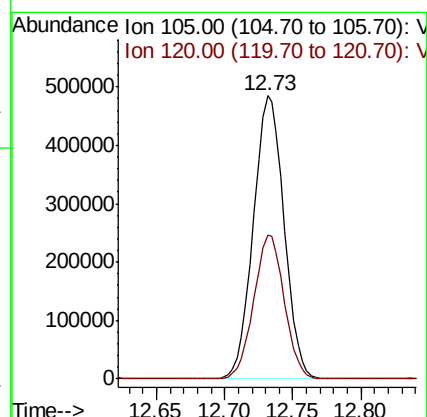
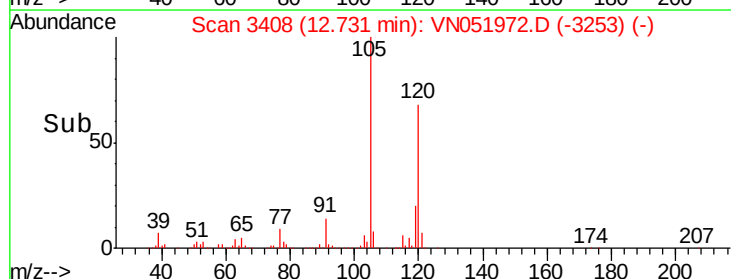
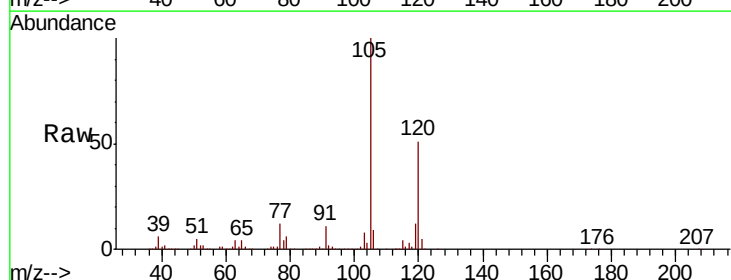
Acq: 23 Oct 2018 19:32

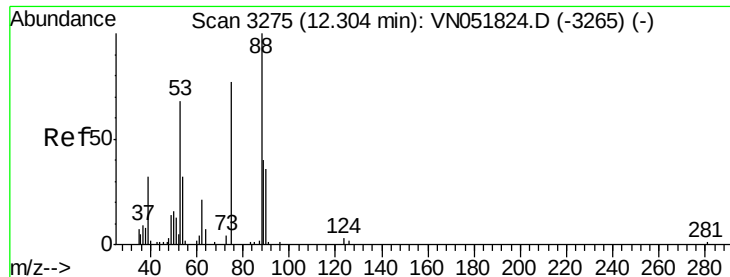
Tgt Ion: 105 Resp: 756966

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.136 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBSD01

Tot Ion: 75 Resp: 34895

Ion Ratio Lower Upper

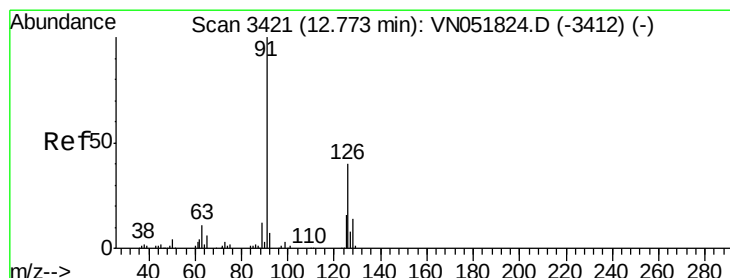
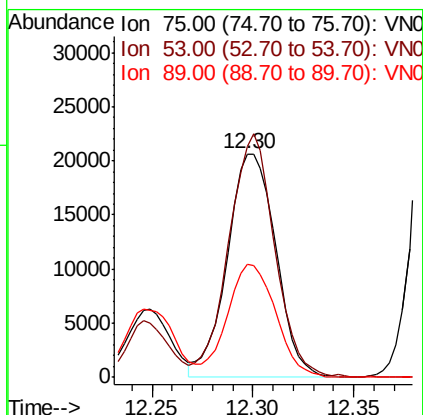
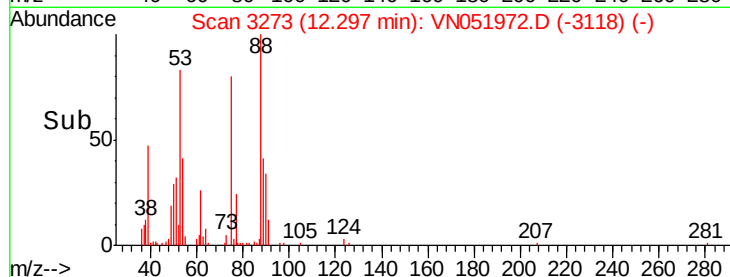
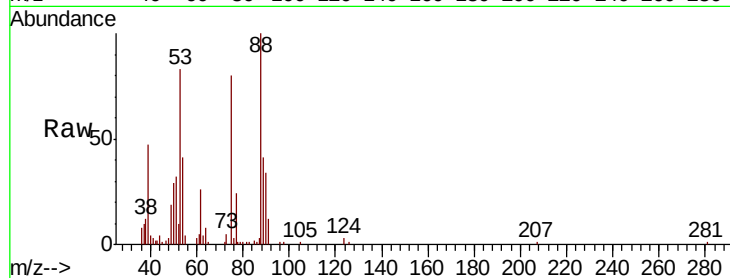
75 100

53 102.4 46.3 138.9

89 50.8 24.6 73.8

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#78

4-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051972.D

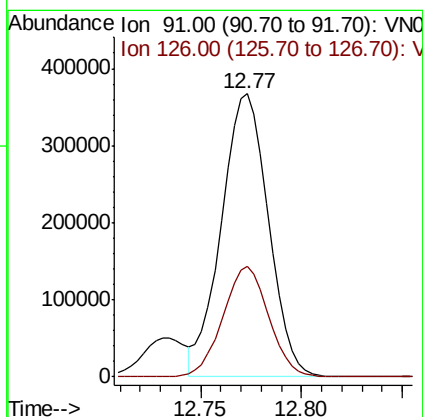
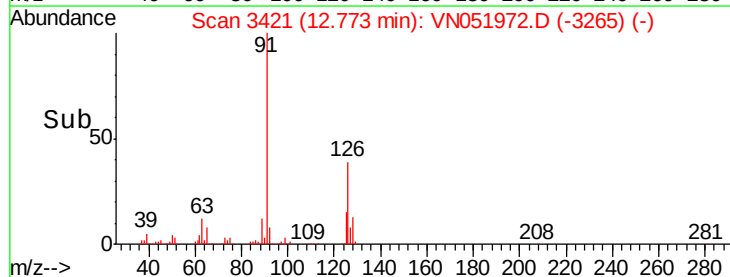
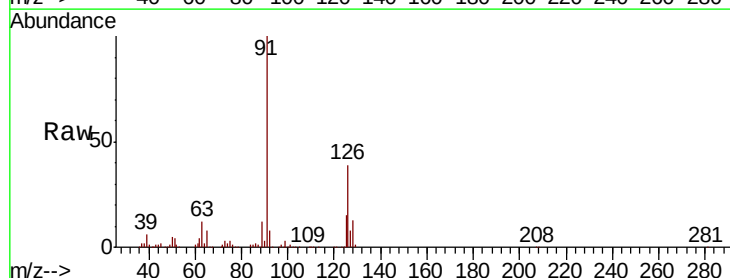
Acq: 23 Oct 2018 19:32

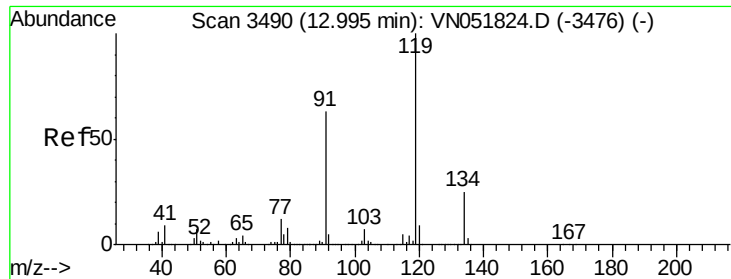
Tgt Ion: 91 Resp: 601288

Ion Ratio Lower Upper

91 100

126 37.9 0.0 65.2





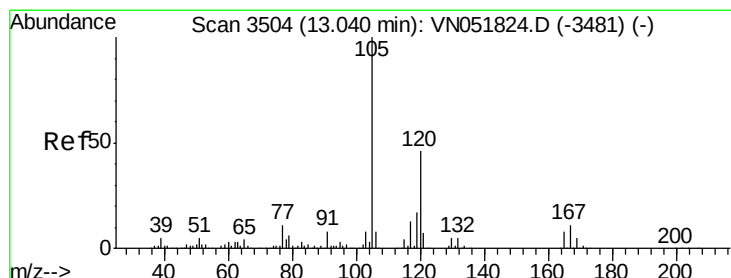
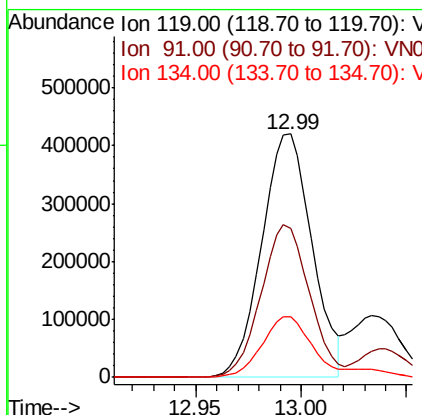
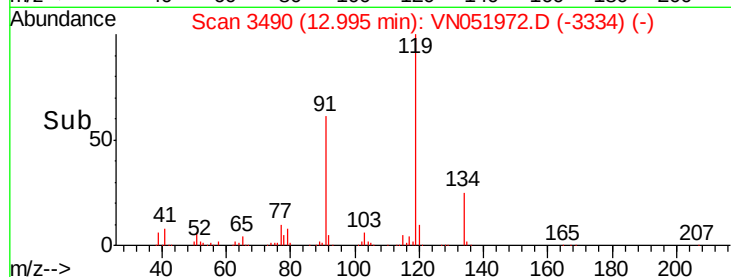
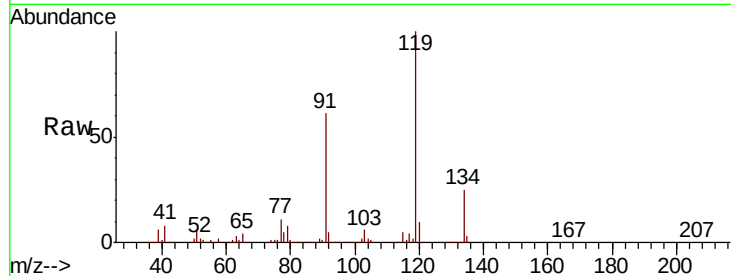
#79
tert-butylbenzene
Concen: 19.094 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	697629		
91	60.6		0.0	131.6
134	24.5		0.0	46.2

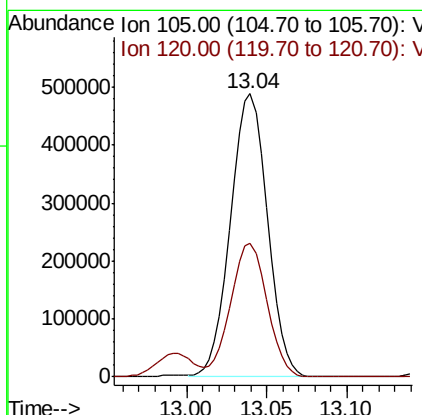
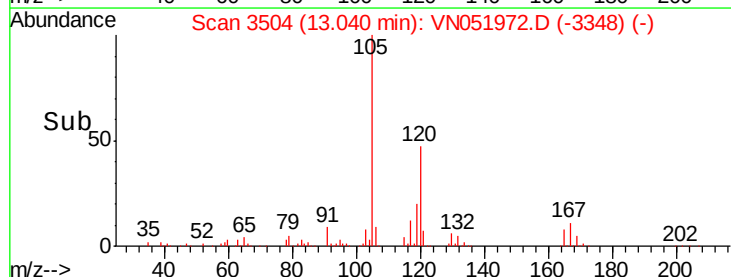
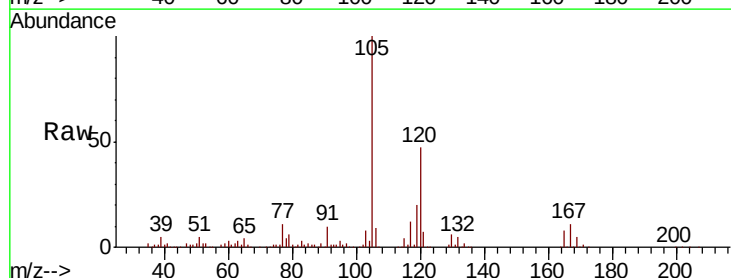
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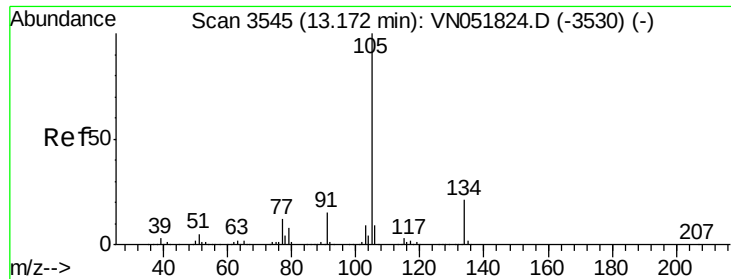
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.347 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	768198		
120	46.6		0.0	89.6





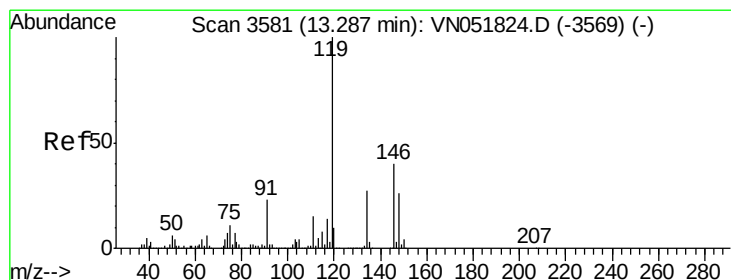
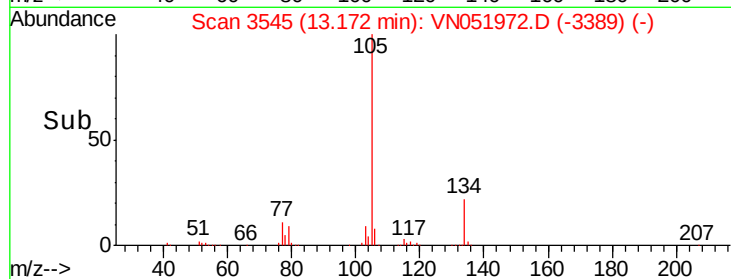
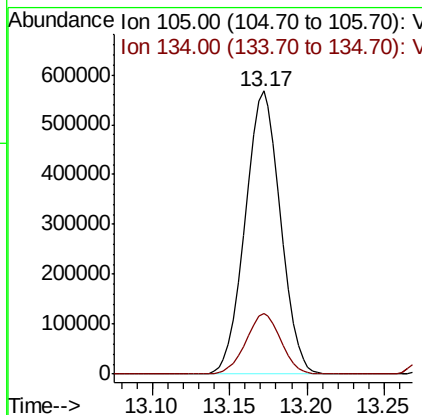
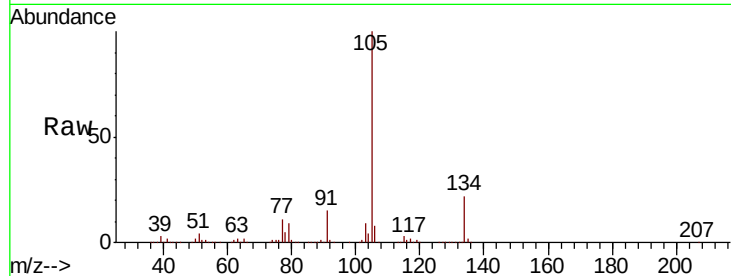
#81
 sec-Butylbenzene
 Concen: 18.840 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	900439		
134	21.4	0.0	39.4	

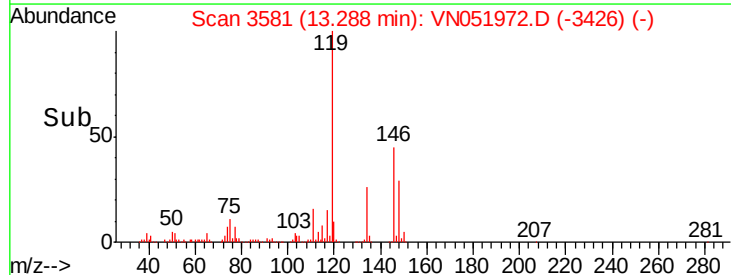
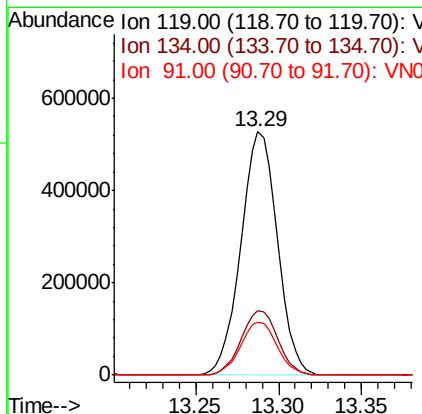
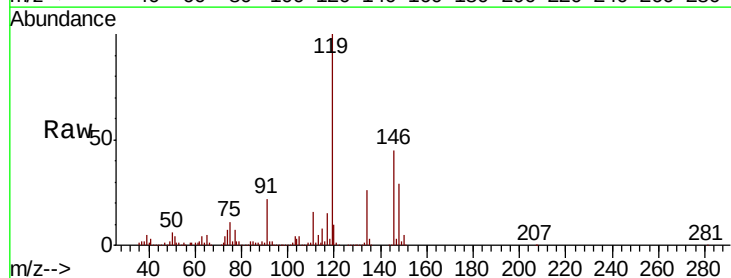
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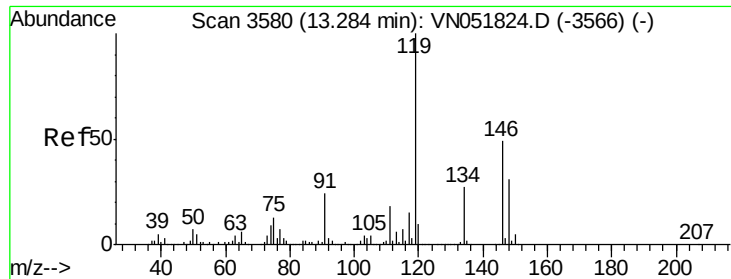
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 10/24/2018 10:10:11 AM



#82
 p-Isopropyltoluene
 Concen: 18.831 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	805376		
134	26.8	0.0	53.6	
91	21.8	0.0	52.0	





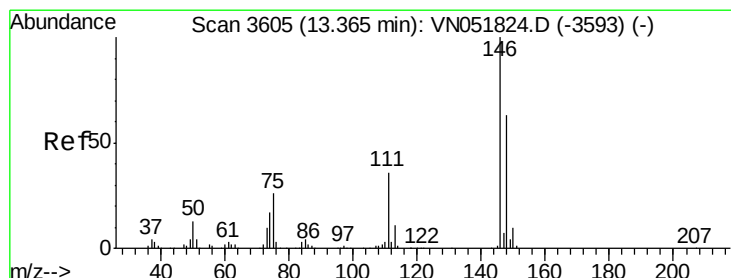
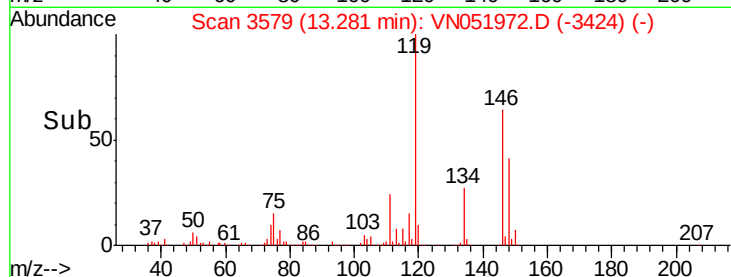
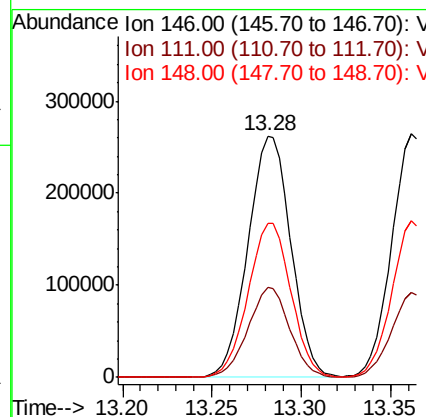
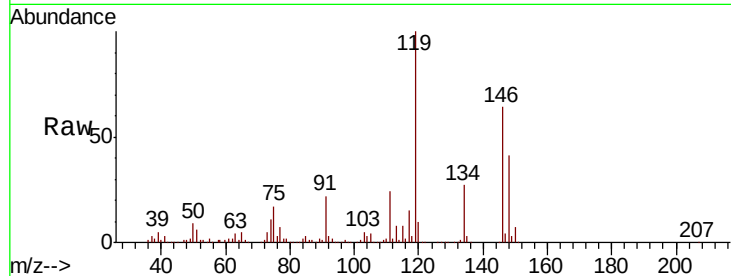
#83
 1,3-Dichlorobenzene
 Concen: 20.934 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	439568		
111	36.1	18.1	54.3	
148	63.9	31.3	93.8	

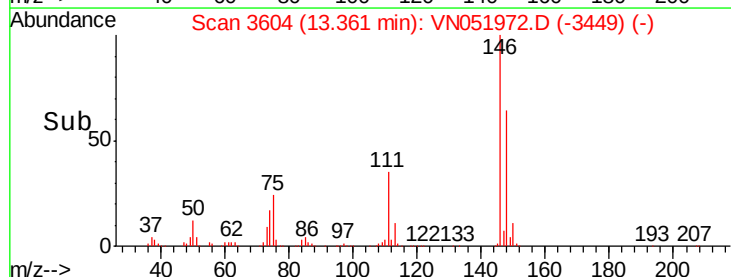
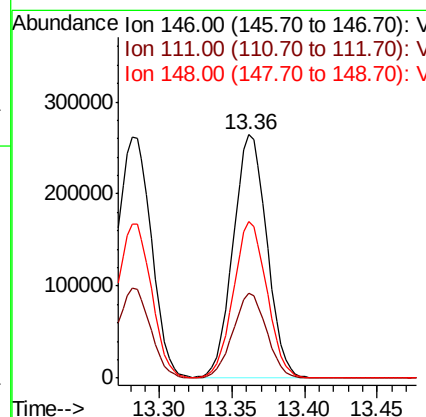
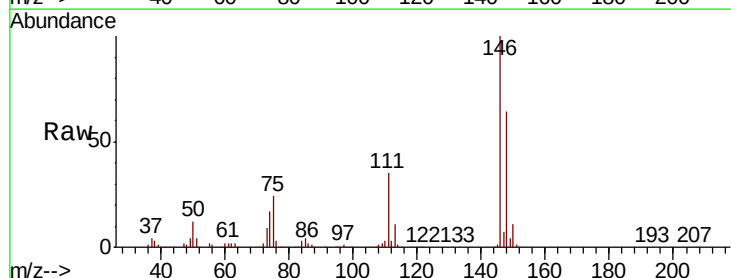
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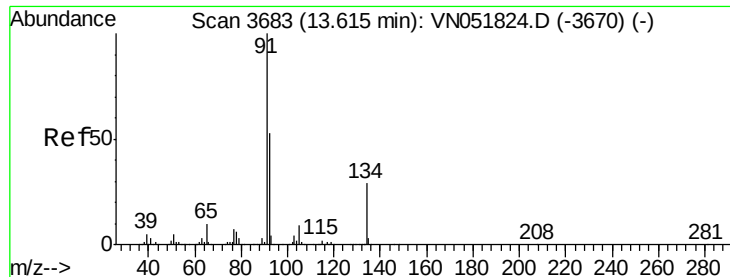
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 10/24/2018 10:10:11 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	427645		
111	34.6	17.4	52.2	
148	63.9	32.8	98.3	





#85

n-Butylbenzene

Concen: 18.886 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

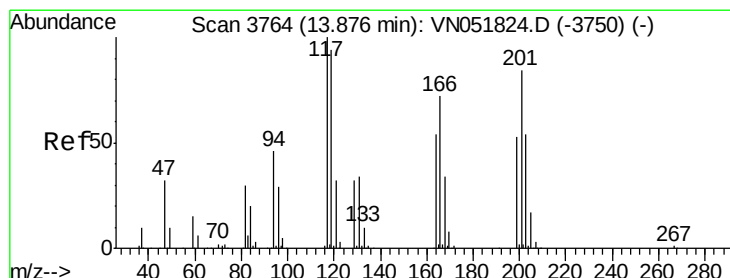
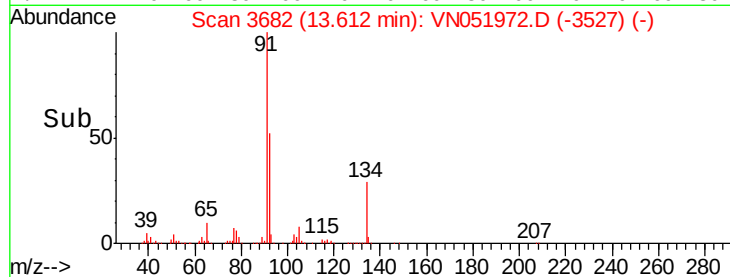
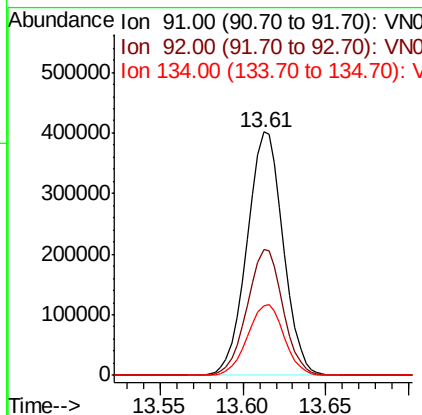
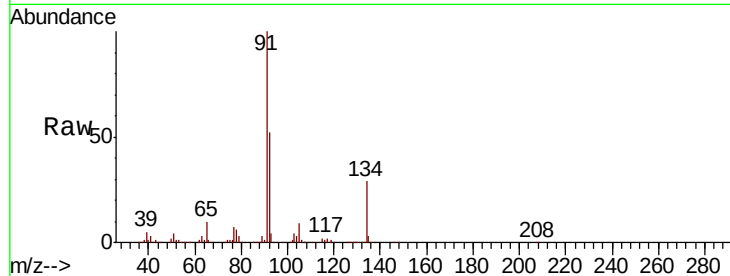
ClientSampleId :

VN1023WBSD01

Tot Ion:	91	Resp:	609100
Ion	Ratio	Lower	Upper
91	100		
92	51.2	0.0	97.4
134	29.4	0.0	49.6

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#86

Hexachloroethane

Concen: 14.935 ug/l

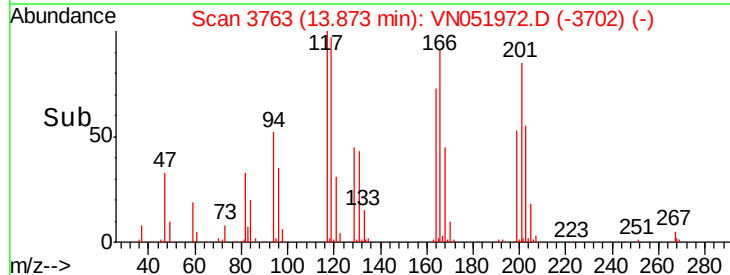
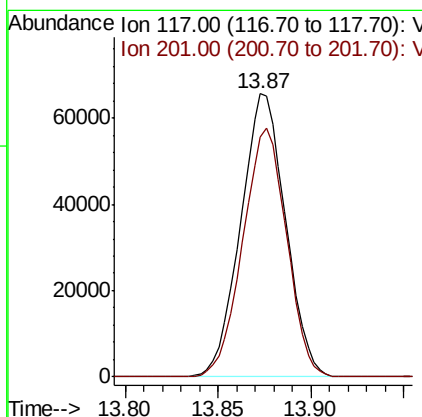
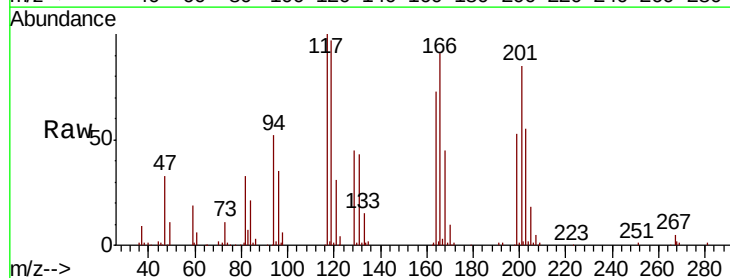
RT: 13.87 min Scan# 3763

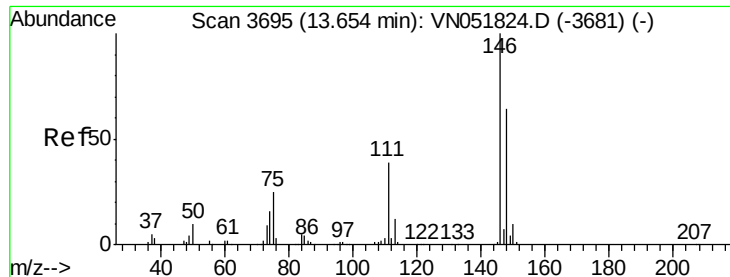
Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion:	117	Resp:	110142
Ion	Ratio	Lower	Upper
117	100		
201	85.7	47.8	143.3





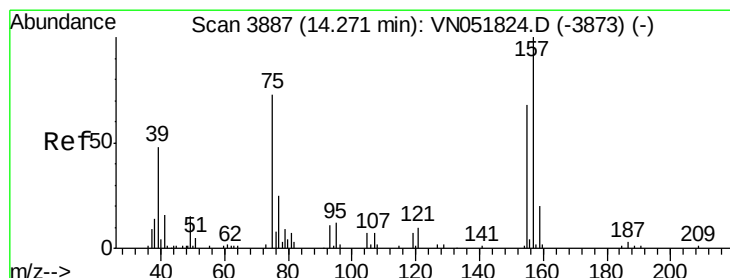
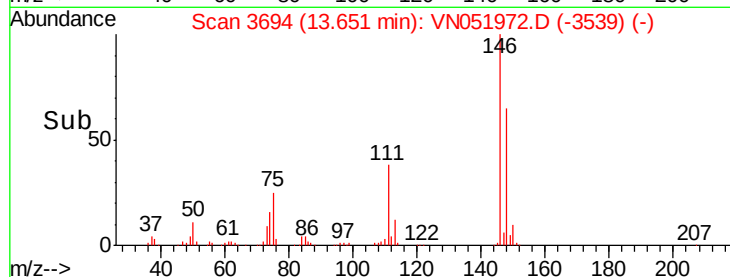
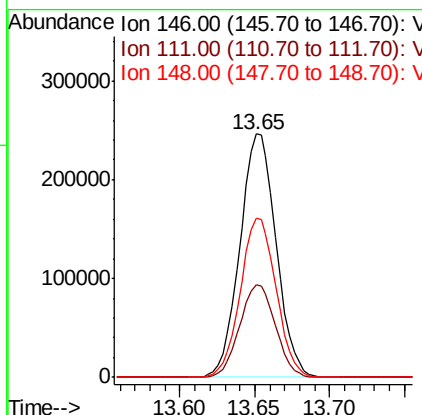
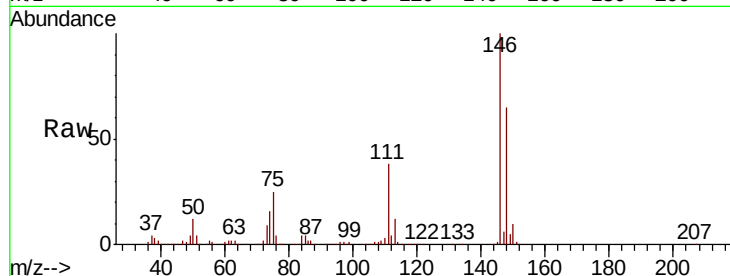
#87
 1,2-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	64.6	33.2	99.6

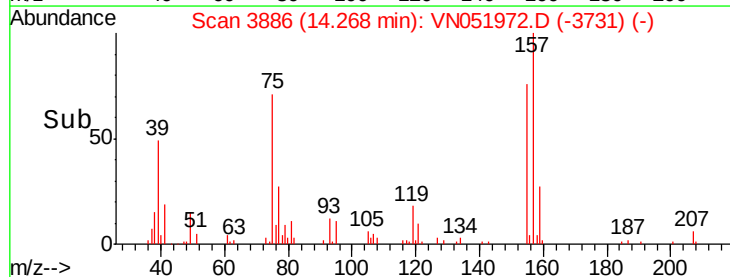
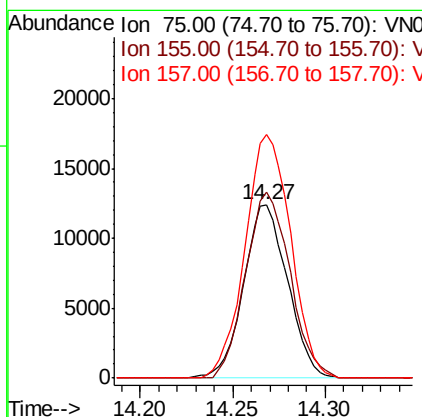
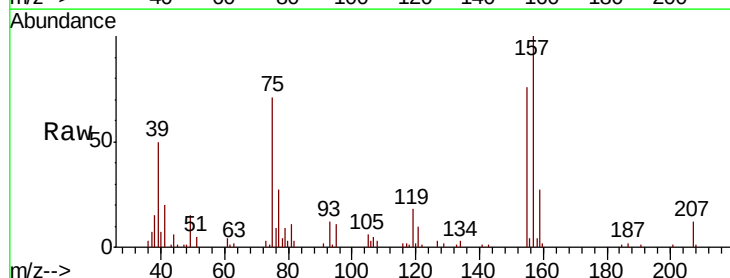
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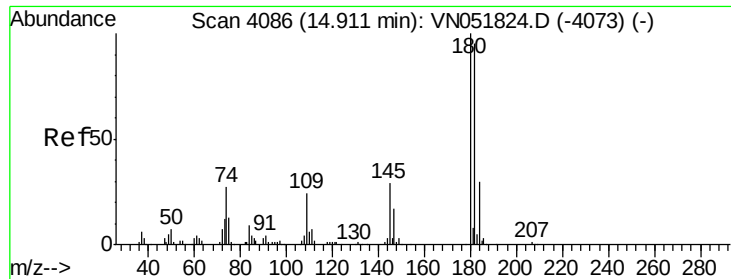
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.387 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.8	57.0	85.6#
157	146.1	87.4	131.0#





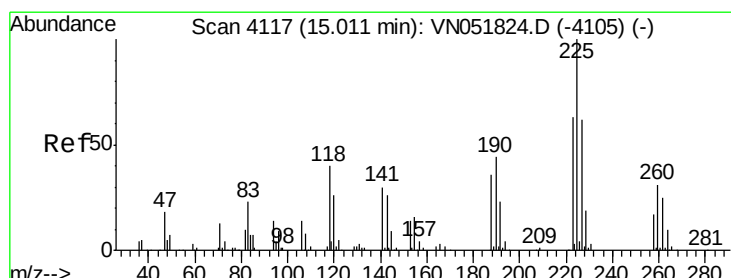
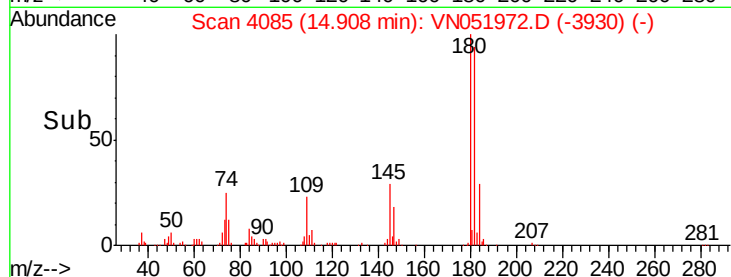
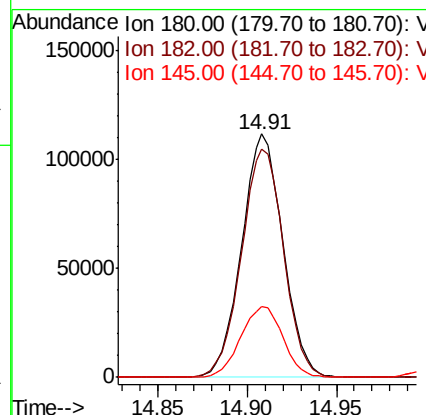
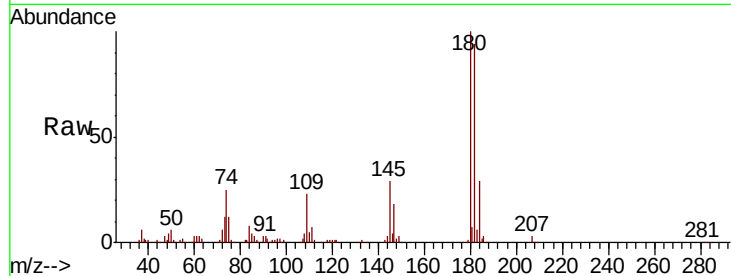
#89
 1,2,4-Trichlorobenzene
 Concen: 21.133 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.7	116.5
145	29.7	23.4	35.2

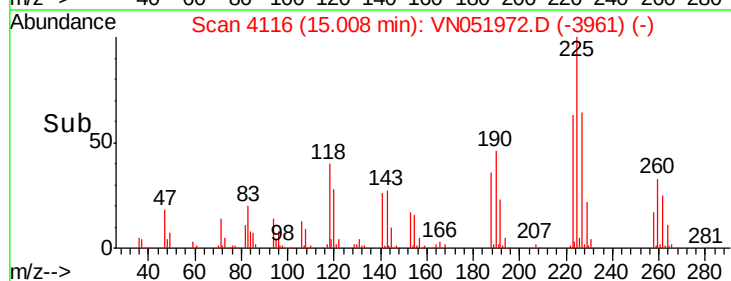
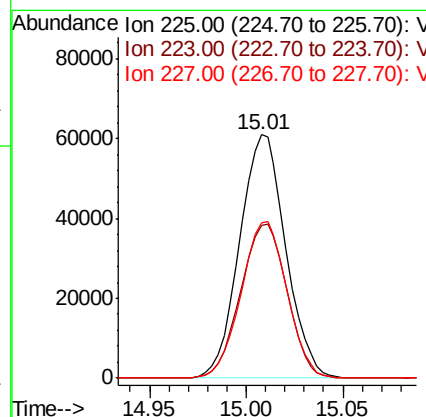
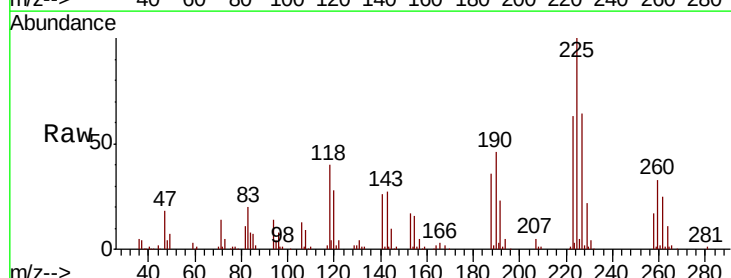
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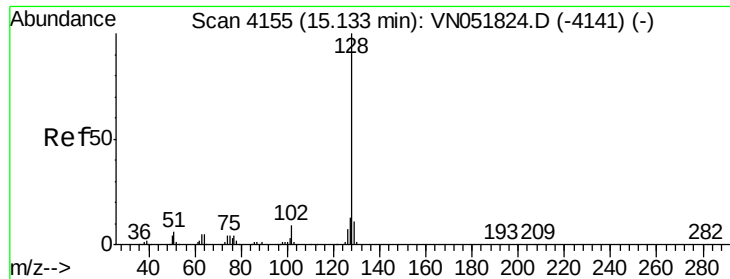
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#90
 Hexachlorobutadiene
 Concen: 15.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	117.0
227	63.9	0.0	127.0





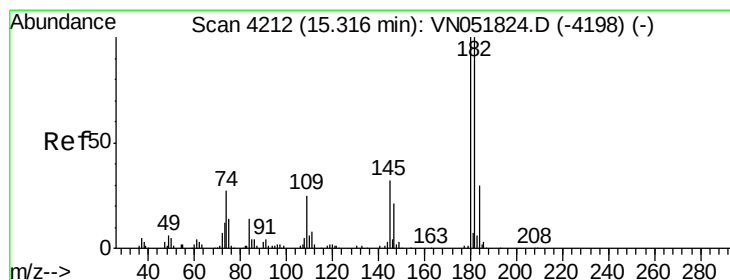
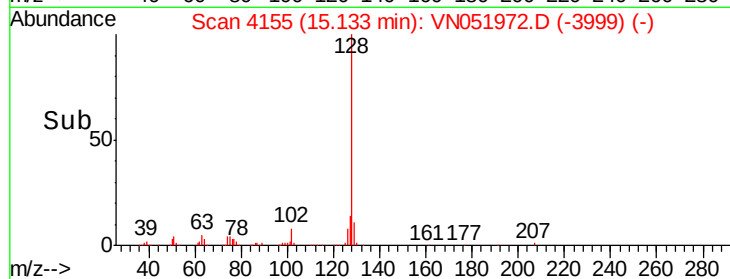
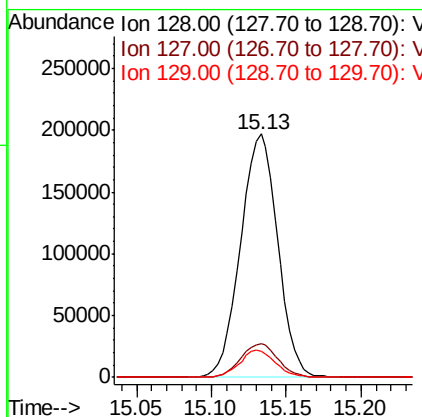
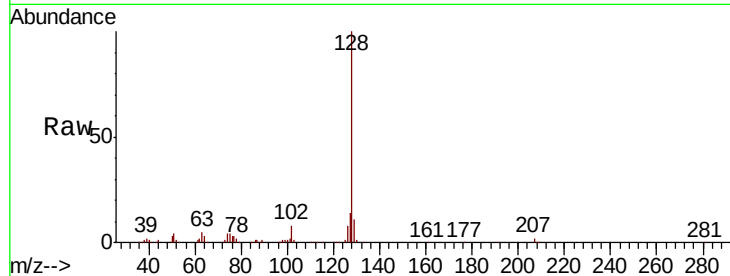
#91
Naphthalene
Concen: 20.782 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	340580		
127	13.9		10.1	15.1
129	10.7		8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 16.140 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	149281		
182	97.0		0.0	198.0
145	32.4		0.0	36.8

