

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051543.D
 Acq On : 26 Sep 2018 18:43
 Operator : MD\SY
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:43 PM

Quant Time: Sep 27 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	493096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	742464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	347203	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
35) Dibromofluoromethane	7.59	113	309620	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.09	98	1109154	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	361501	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	74734	16.245	ug/l	98
3) Chloromethane	2.06	50	129255	17.650	ug/l	98
4) Vinyl Chloride	2.18	62	135393	16.751	ug/l	99
5) Bromomethane	2.56	94	76712	15.878	ug/l	98
6) Chloroethane	2.70	64	90208	17.911	ug/l	98
7) Trichlorofluoromethane	3.01	101	181402	17.134	ug/l	98
8) Diethyl Ether	3.41	74	64063	17.498	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105626	17.678	ug/l	99
10) Methyl Iodide	3.95	142	101110	12.945	ug/l	99
11) Tert butyl alcohol	4.80	59	46218	132.578	ug/l	97
12) 1,1-Dichloroethene	3.74	96	92045	16.777	ug/l	97
13) Acrolein	3.61	56	29640	85.623	ug/l	96
14) Allyl chloride	4.33	41	172829	18.776	ug/l	96
15) Acrylonitrile	4.99	53	220817	116.441	ug/l	100
16) Acetone	3.82	43	158855	101.430	ug/l	96
17) Carbon Disulfide	4.05	76	242458	15.042	ug/l	100
18) Methyl Acetate	4.33	43	121371	25.800	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	297789	21.049	ug/l	100
20) Methylene Chloride	4.55	84	119263	19.512	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	100904	17.979	ug/l	97
22) Diisopropyl ether	5.96	45	391056	21.979	ug/l	99
23) Vinyl Acetate	5.90	43	1257649	107.664	ug/l	99
24) 1,1-Dichloroethane	5.85	63	218896	20.619	ug/l	98
25) 2-Butanone	6.84	43	249692	118.102	ug/l	96
26) 2,2-Dichloropropane	6.83	77	162915	19.659	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	120789	19.615	ug/l	97
28) Bromochloromethane	7.20	49	107799	21.989	ug/l	98
29) Tetrahydrofuran	7.22	42	166779	124.481	ug/l	97
30) Chloroform	7.37	83	215983	20.532	ug/l	97
31) Cyclohexane	7.66	56	170979	17.579	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	180220	20.040	ug/l	100
36) 1,1-Dichloropropene	7.80	75	149333	17.369	ug/l	99
37) Ethyl Acetate	6.94	43	116571	23.581	ug/l	99
38) Carbon Tetrachloride	7.78	117	155597	17.302	ug/l	99

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Quant Time: Sep 27 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157405	15.661	ug/l	96
40) Benzene	8.04	78	475983	18.854	ug/l	99
41) Methacrylonitrile	7.18	41	62790	22.959	ug/l	90
42) 1,2-Dichloroethane	8.13	62	159102	19.682	ug/l	99
43) Isopropyl Acetate	8.17	43	207816	23.248	ug/l	98
44) Trichloroethene	8.84	130	120140	17.917	ug/l	98
45) 1,2-Dichloropropane	9.12	63	135905	19.804	ug/l	96
46) Dibromomethane	9.21	93	76003	19.601	ug/l	99
47) Bromodichloromethane	9.40	83	165688	19.309	ug/l	99
48) Methyl methacrylate	9.20	41	97621	21.904	ug/l	95
49) 1,4-Dioxane	9.20	88	25172	460.859	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	579564	117.889	ug/l	98
52) Toluene	10.16	92	287965	18.355	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	160890	18.572	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	185379	18.453	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	113901	20.542	ug/l	99
56) Ethyl methacrylate	10.43	69	139221	20.537	ug/l	100
57) 1,3-Dichloropropane	10.71	76	191573	20.158	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	361406	110.853	ug/l	98
59) 2-Hexanone	10.75	43	370183	116.155	ug/l	95
60) Dibromochloromethane	10.90	129	126131	19.280	ug/l	99
61) 1,2-Dibromoethane	11.01	107	106321	19.753	ug/l	100
64) Tetrachloroethene	10.63	164	109498	18.292	ug/l	99
65) Chlorobenzene	11.44	112	309405	18.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119758	18.574	ug/l	99
67) Ethyl Benzene	11.51	91	503780	17.664	ug/l	98
68) m/p-Xylenes	11.62	106	394590	35.769	ug/l	99
69) o-Xylene	11.95	106	190610	17.973	ug/l	97
70) Styrene	11.97	104	302013	17.972	ug/l	99
71) Bromoform	12.13	173	86091	19.678	ug/l #	99
73) Isopropylbenzene	12.25	105	507092	18.405	ug/l	100
74) N-amyl acetate	12.07	43	153862	22.257	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	147420	22.945	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	125463m	23.144	ug/l	
77) Bromobenzene	12.53	156	129442	18.558	ug/l	92
78) n-propylbenzene	12.59	91	575303	18.527	ug/l	99
79) 2-Chlorotoluene	12.68	91	353986	19.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421339	18.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35980	20.409	ug/l	100
82) 4-Chlorotoluene	12.77	91	352820	19.018	ug/l	98
83) tert-Butylbenzene	12.99	119	371546	18.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	431148	19.045	ug/l	99
85) sec-Butylbenzene	13.17	105	504524	18.650	ug/l	99
86) p-Isopropyltoluene	13.29	119	421530	18.008	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	222961	18.472	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	217605	18.737	ug/l	99
89) n-Butylbenzene	13.62	91	330812	17.186	ug/l	98
90) Hexachloroethane	13.87	117	86492	18.544	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	226392	19.331	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22111	24.115	ug/l	94

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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :
VN0927WBSD01

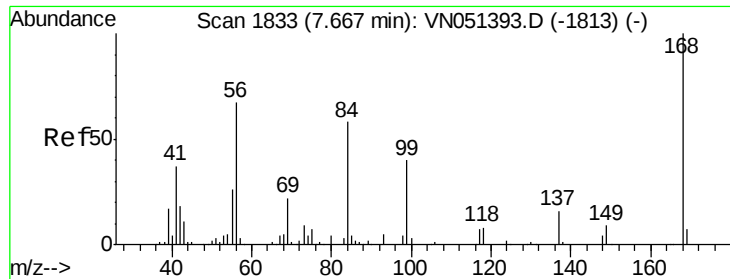
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91881	18.793	ug/l	100
94) Hexachlorobutadiene	15.01	225	80040	18.064	ug/l	99
95) Naphthalene	15.14	128	177033	20.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	99595	17.721	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion:168 Resp: 493096

Ion Ratio Lower Upper

168 100

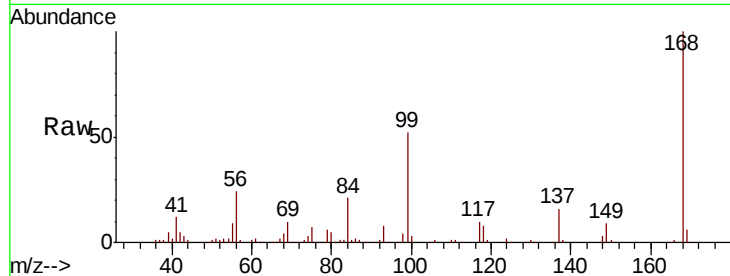
99 51.8 40.2 60.2

Manual Integrations

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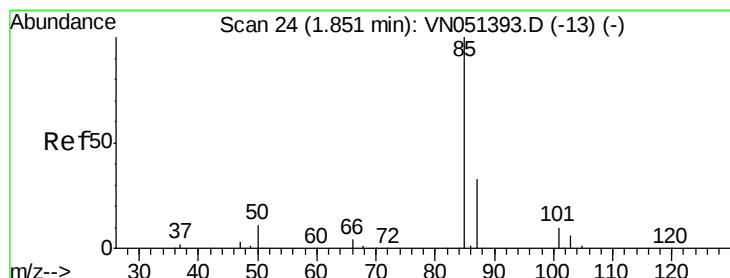
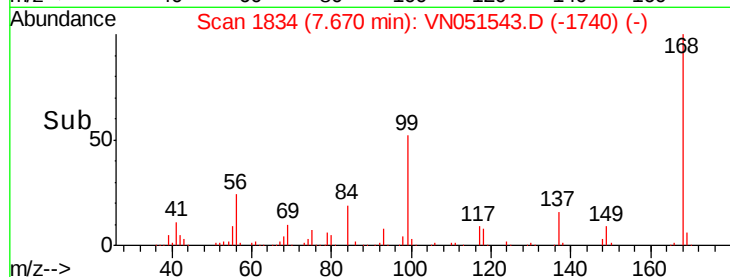
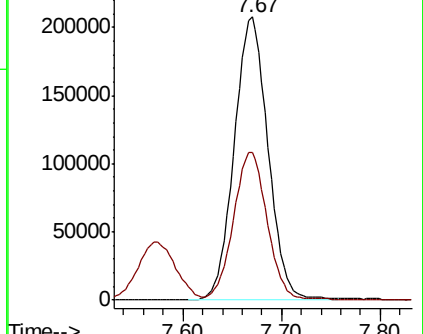
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.245 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051543.D

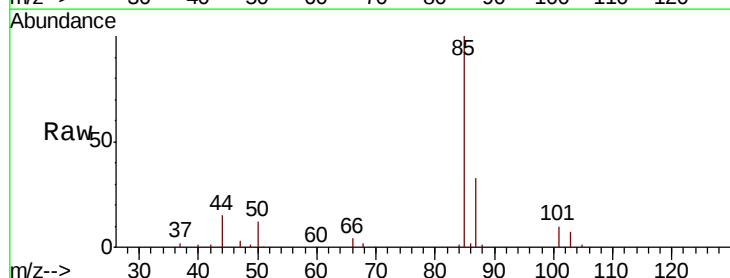
Acq: 26 Sep 2018 18:43

Tgt Ion: 85 Resp: 74734

Ion Ratio Lower Upper

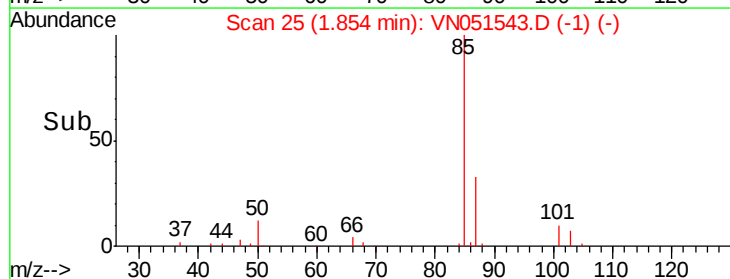
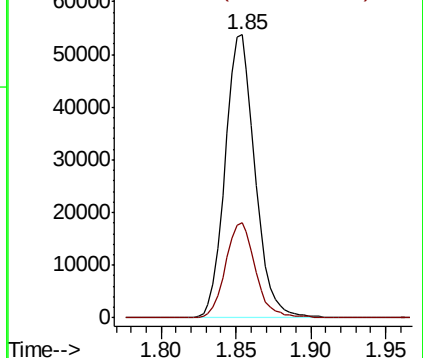
85 100

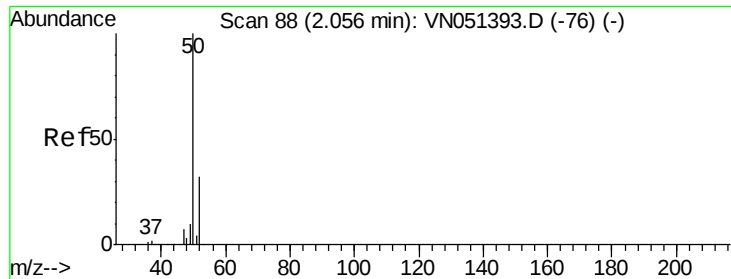
87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.650 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 50 Resp: 129255

Ion Ratio Lower Upper

50 100

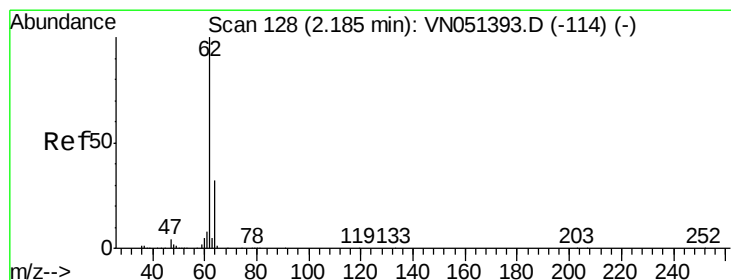
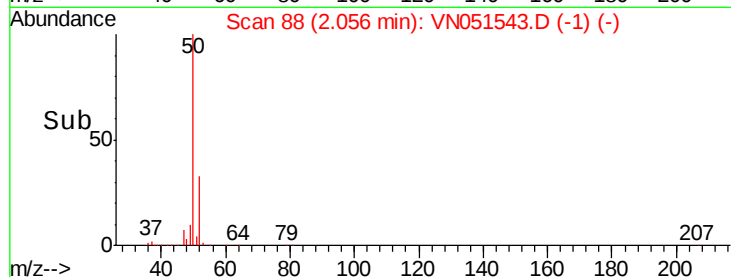
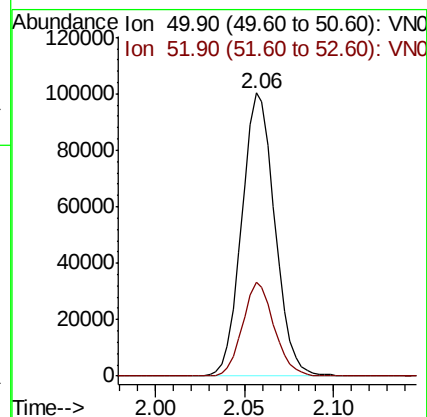
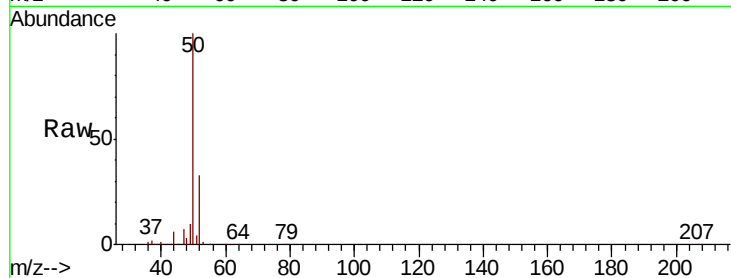
52 33.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.751 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051543.D

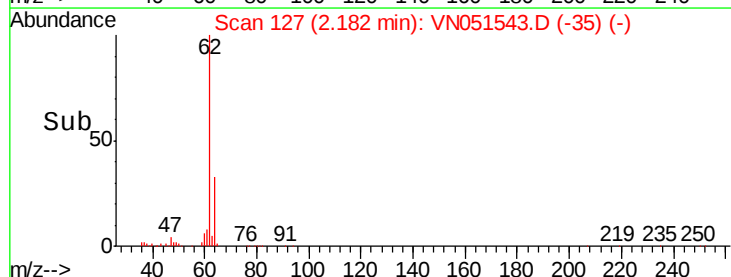
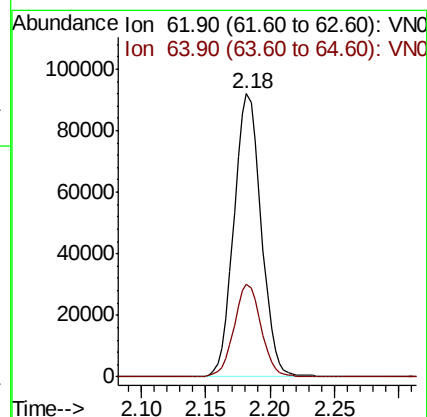
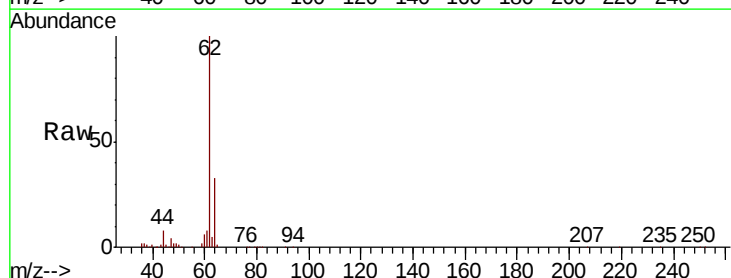
Acq: 26 Sep 2018 18:43

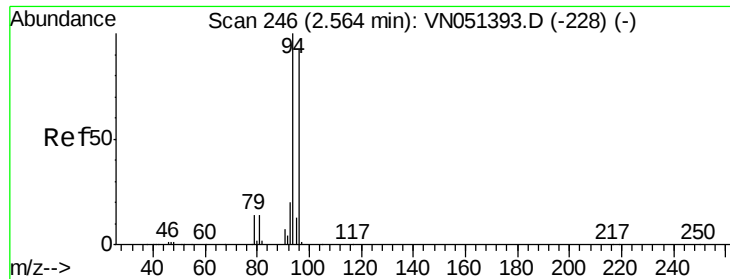
Tgt Ion: 62 Resp: 135393

Ion Ratio Lower Upper

62 100

64 32.9 25.8 38.8





#5

Bromomethane

Concen: 15.878 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

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ClientSampleId :

VN0927WBSD01

Tot Ion: 94 Resp: 76712

Ion Ratio Lower Upper

94 100

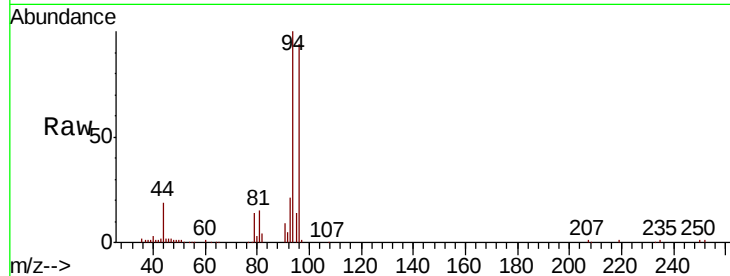
96 93.8 73.6 110.4

Manual Integrations

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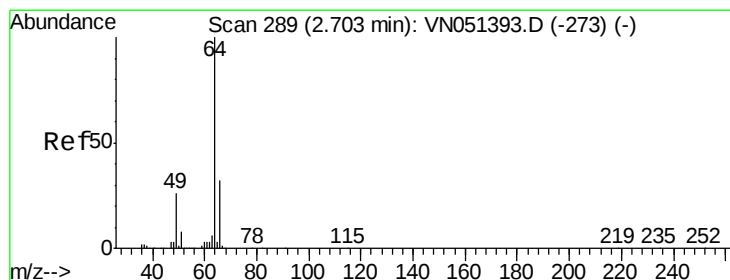
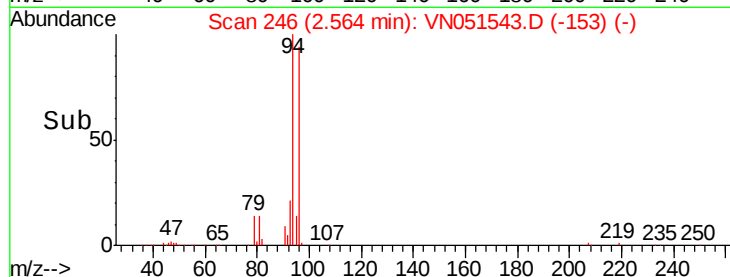
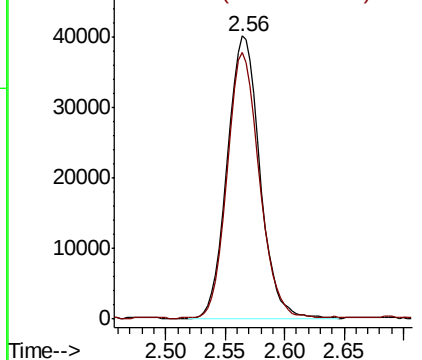
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.911 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051543.D

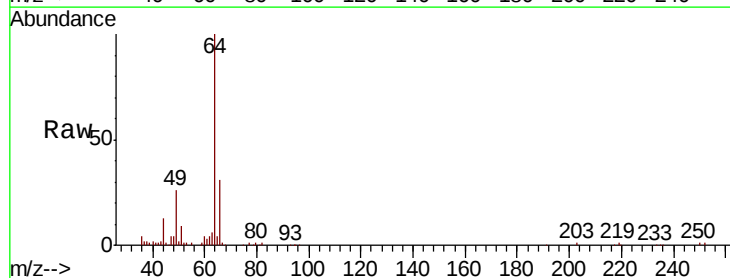
Acq: 26 Sep 2018 18:43

Tgt Ion: 64 Resp: 90208

Ion Ratio Lower Upper

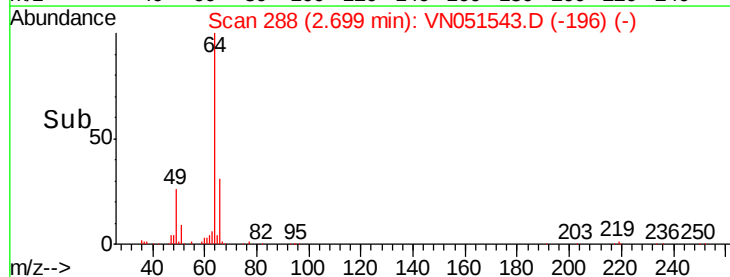
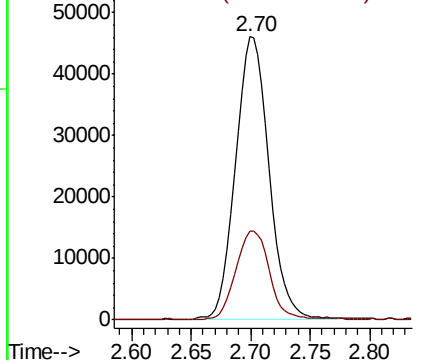
64 100

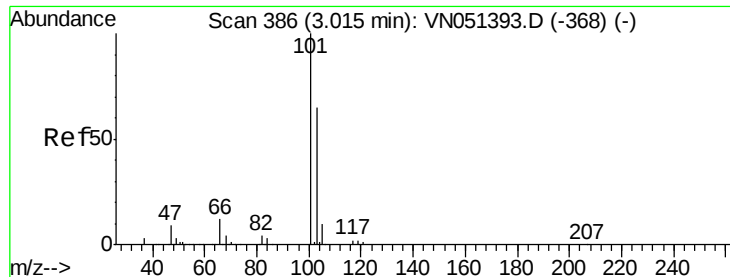
66 31.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

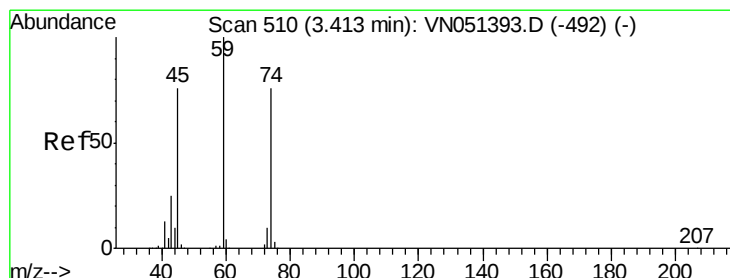
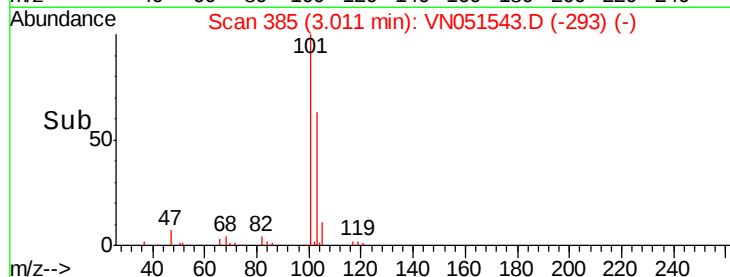
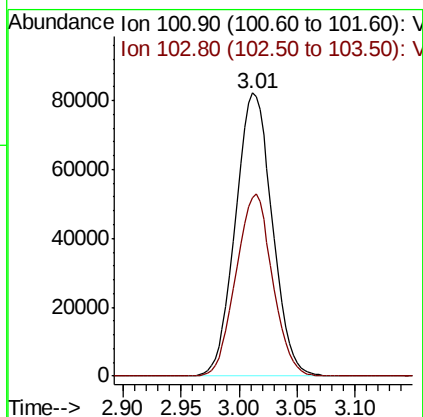
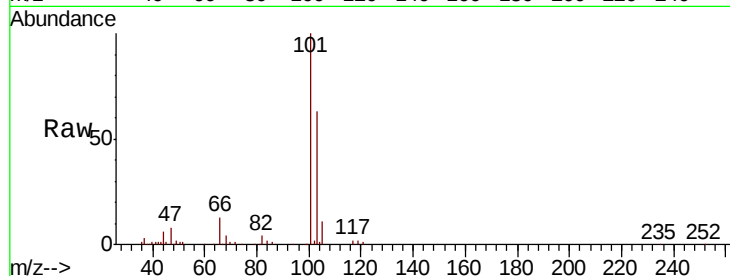
Trichlorofluoromethane
 Concen: 17.134 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
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 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	181402		
103	63.1	51.8	77.8	

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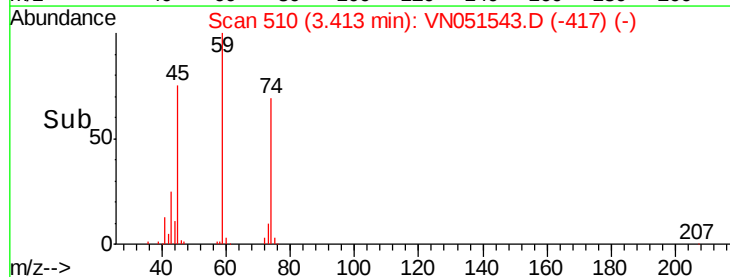
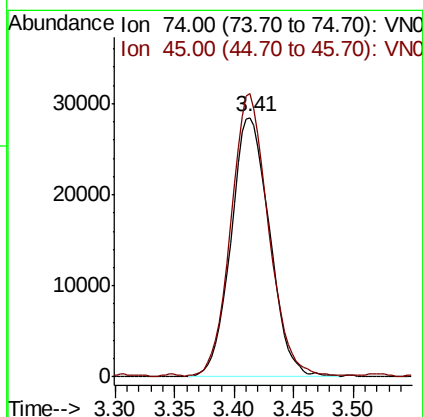
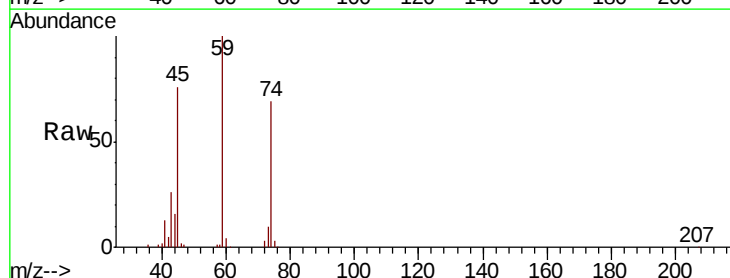
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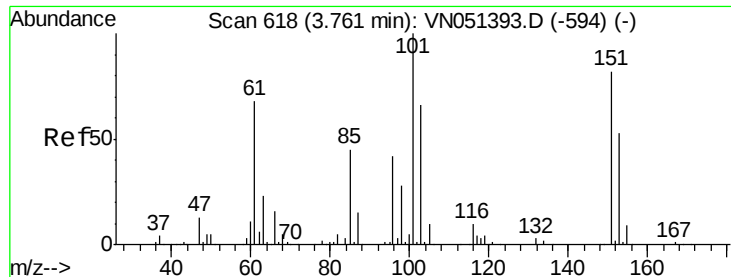


#8

Diethyl Ether
 Concen: 17.498 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64063		
45	106.6	50.2	150.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.678 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

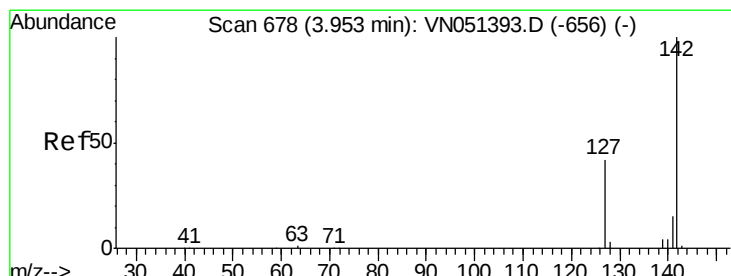
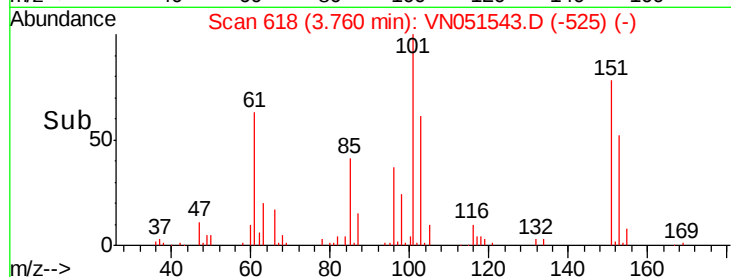
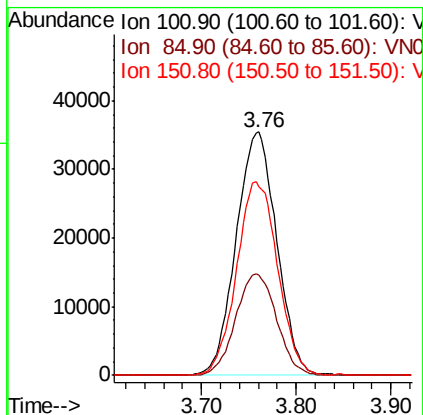
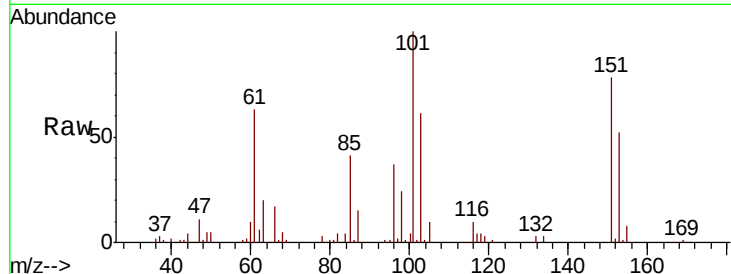
ClientSampleId :

VN0927WBSD01

Tot Ion:	101	Resp:	105626
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.9	50.9
151	80.5	65.2	97.8

Manual Integrations
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#10

Methyl Iodide

Concen: 12.945 ug/l

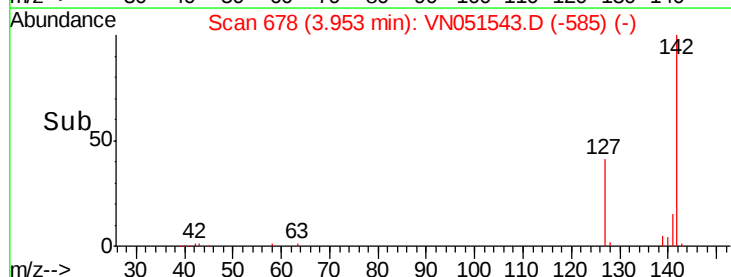
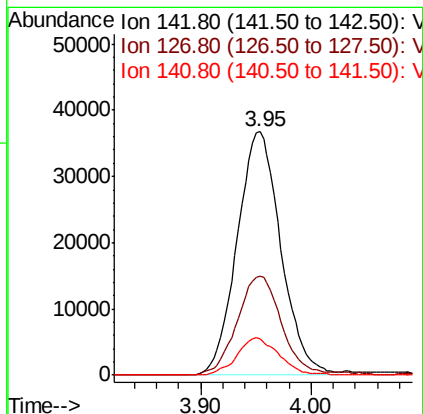
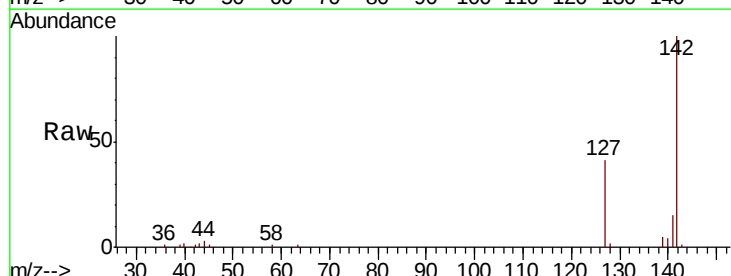
RT: 3.95 min Scan# 678

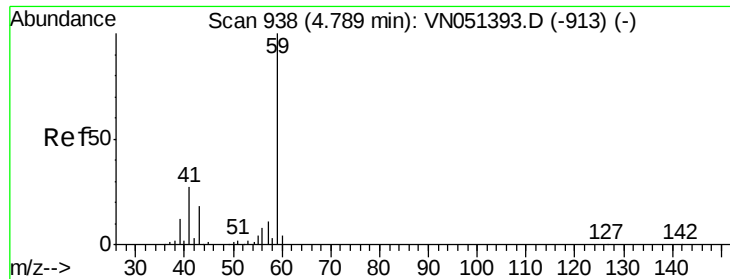
Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion:	142	Resp:	101110
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.2	49.8
141	14.6	11.5	17.3





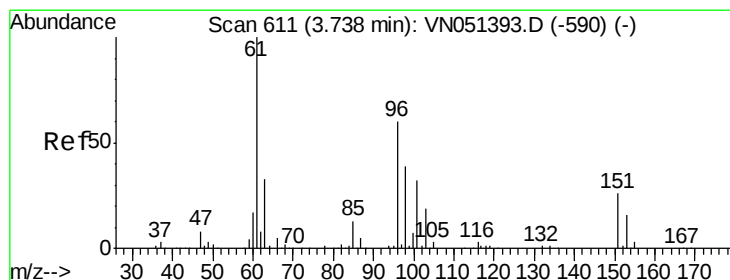
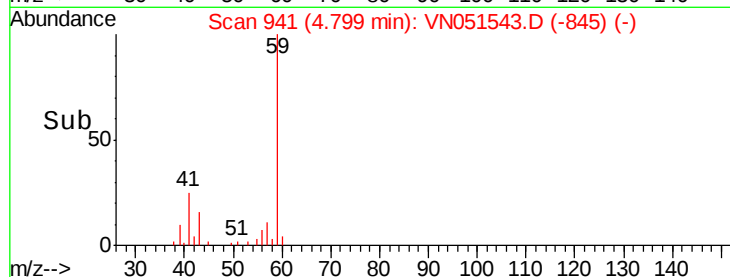
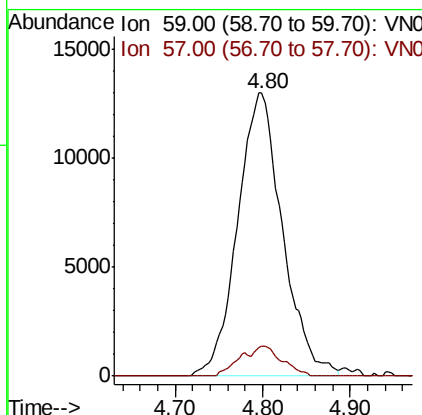
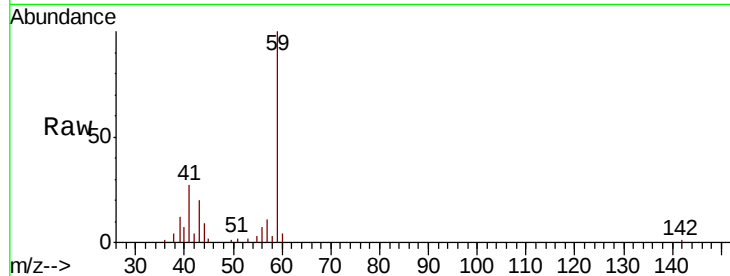
#11
Tert butyl alcohol
Concen: 132.578 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	59	Resp	46218
Ion Ratio	100	Lower	Upper
57	6.6	6.2	9.2

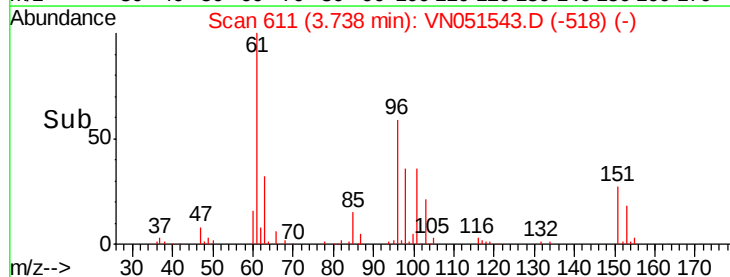
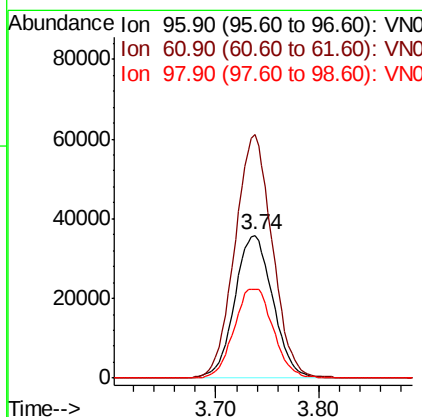
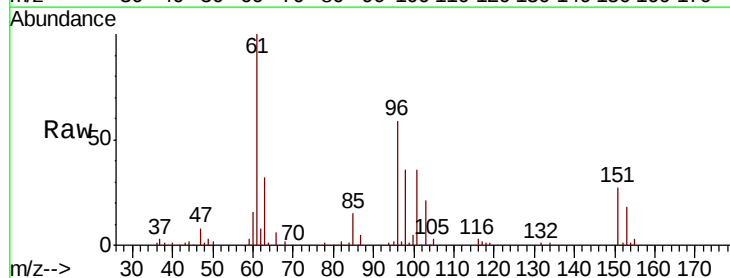
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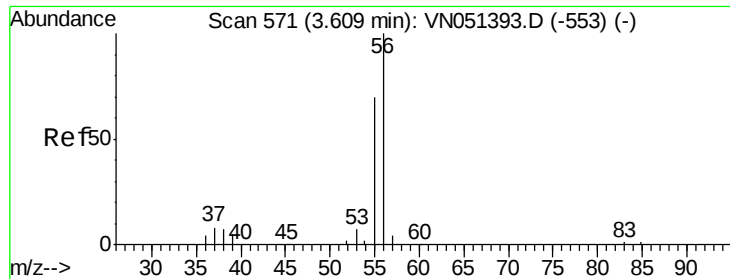
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.777 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	96	Resp	92045
Ion Ratio	100	Lower	Upper
61	170.8	133.6	200.4
98	61.9	52.2	78.2





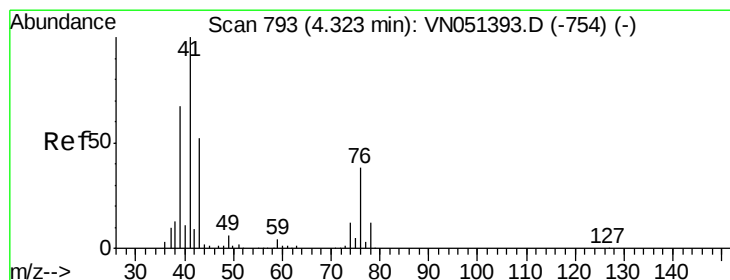
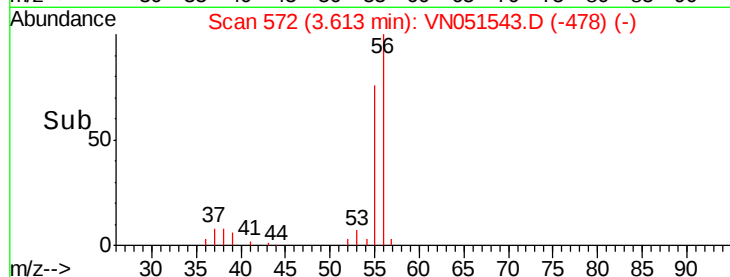
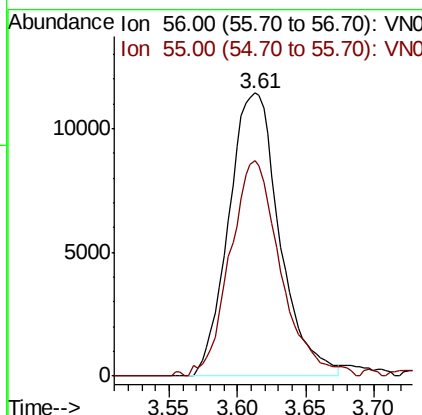
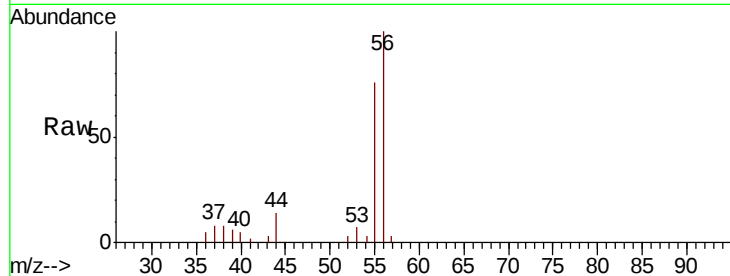
#13
Acrolein
Concen: 85.623 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
29640	100	75.5		57.8	86.8

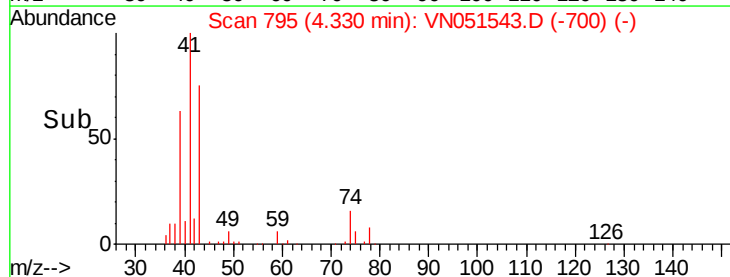
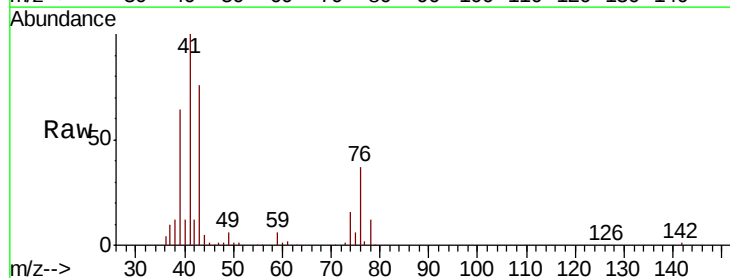
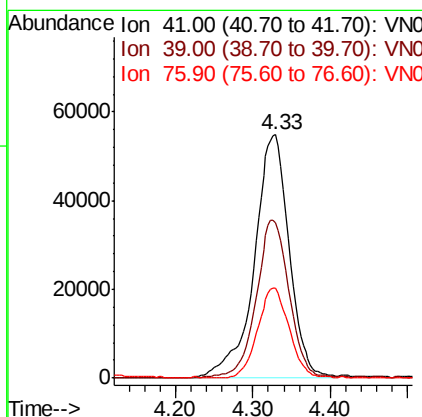
Manual Integrations
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#14
Allyl chloride
Concen: 18.776 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	41	39	76	Ratio	Lower	Upper
172829	100	61.3	33.4		51.4	77.2
					28.1	42.1





#15

Acrylonitrile

Concen: 116.441 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

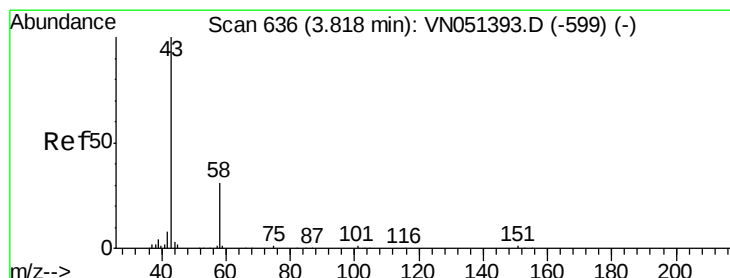
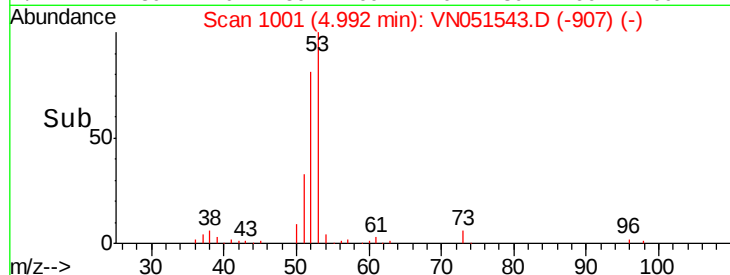
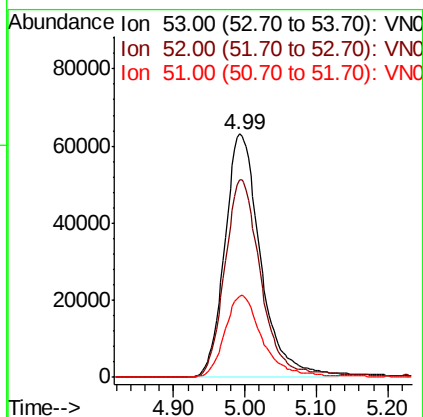
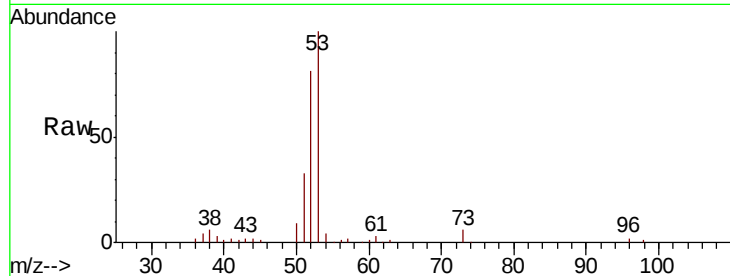
ClientSampleId :

VN0927WBSD01

Tot Ion:	53	Resp:	220817
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 101.430 ug/l

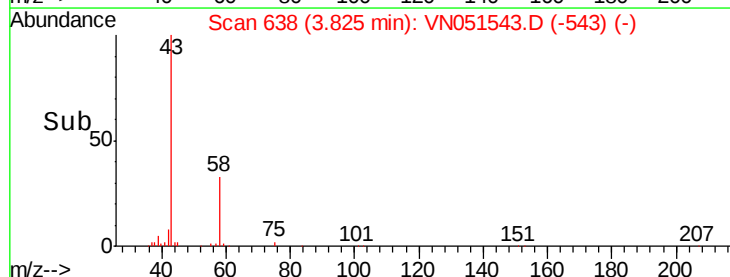
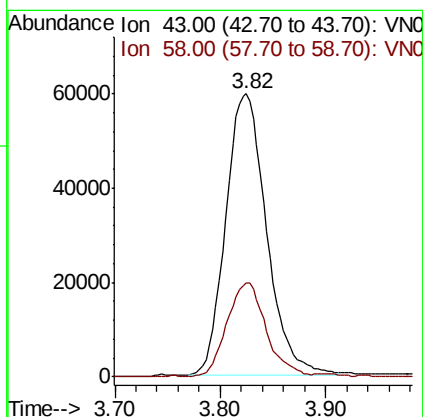
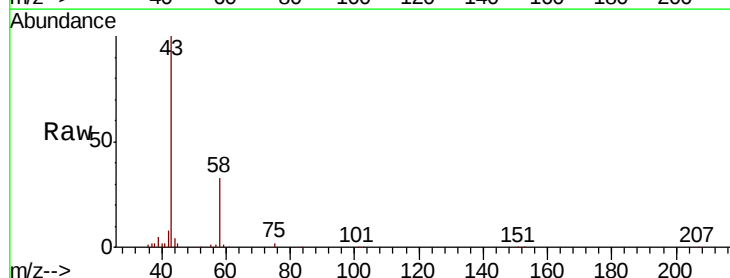
RT: 3.82 min Scan# 638

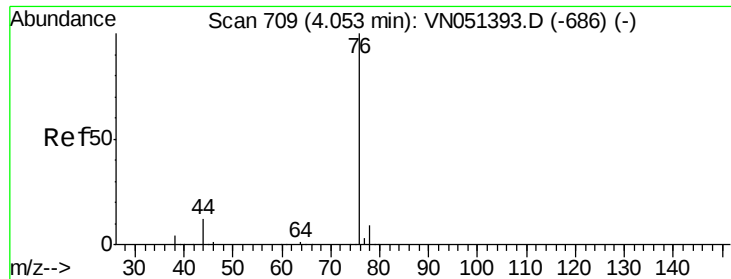
Delta R.T. 0.01 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion:	43	Resp:	158855
Ion Ratio	Lower	Upper	
43	100		
58	33.2	25.0	37.4





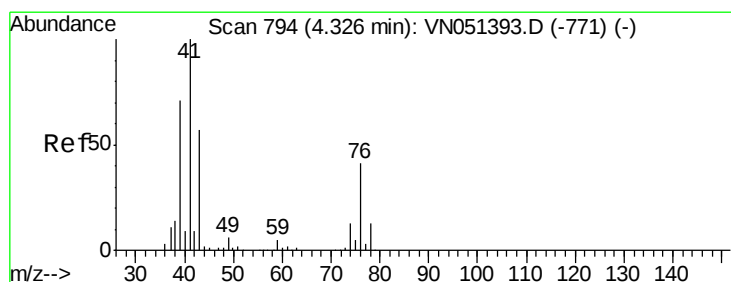
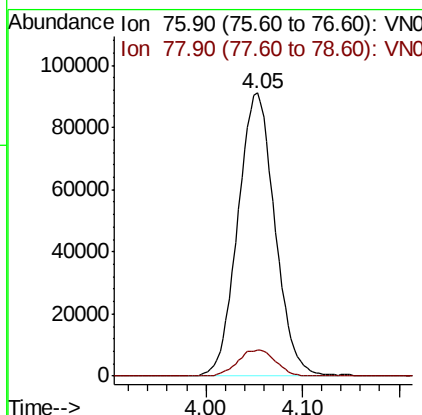
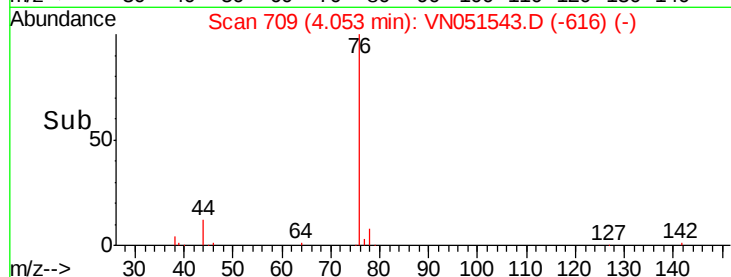
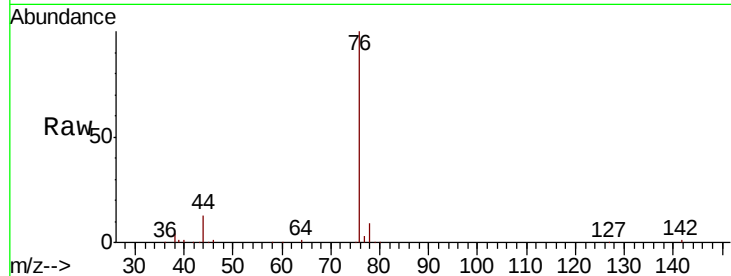
#17
Carbon Disulfide
Concen: 15.042 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

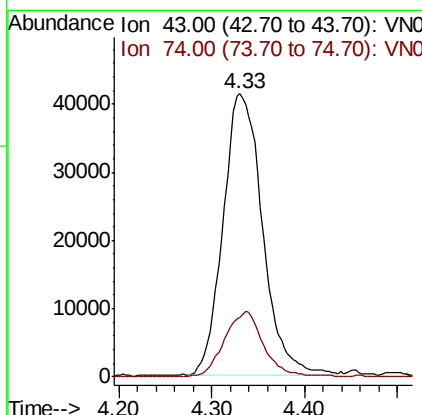
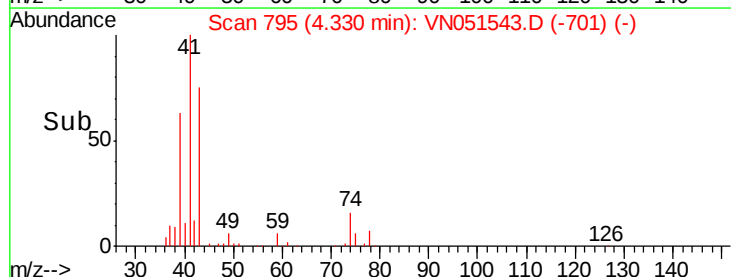
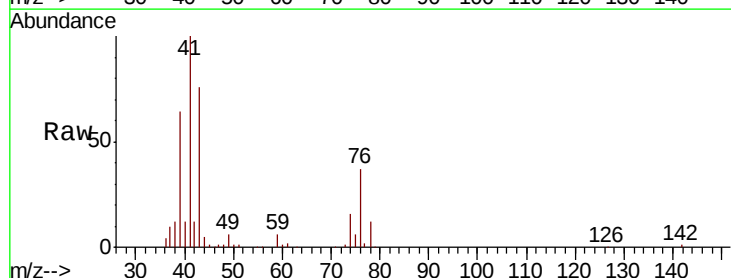
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#18
Methyl Acetate
Concen: 25.800 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





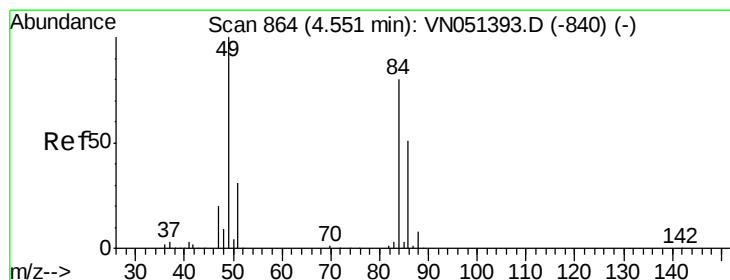
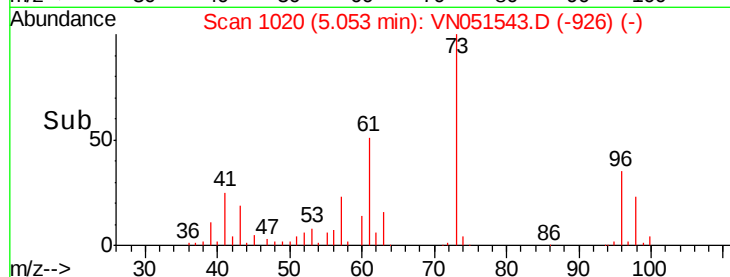
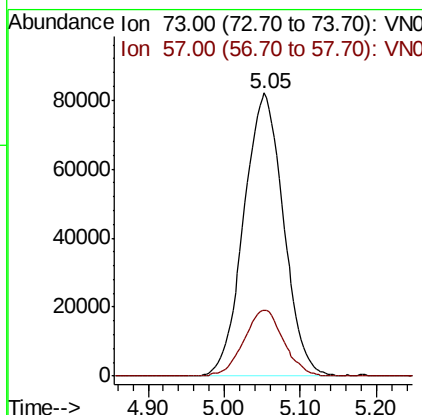
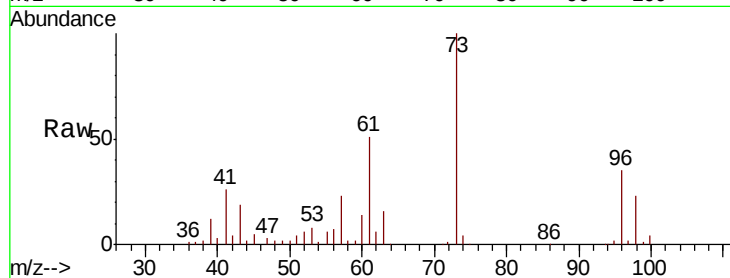
#19
Methvl tert-butvl Ether
Concen: 21.049 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 73 Resp: 297789
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

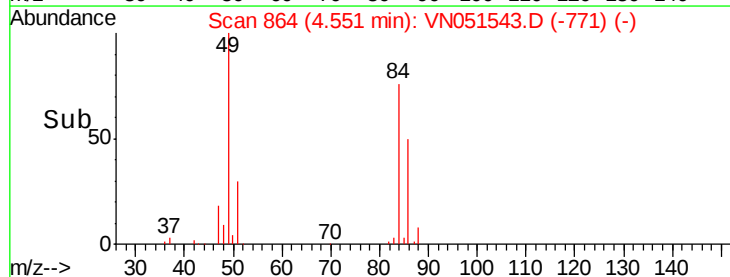
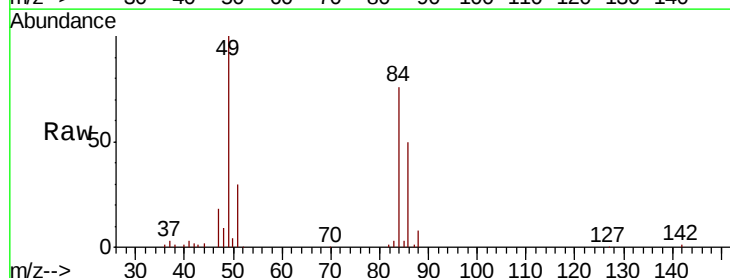
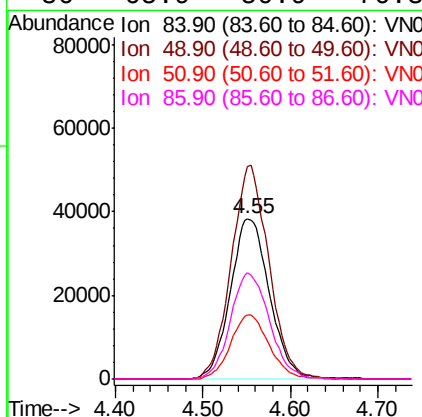
Manual Integrations
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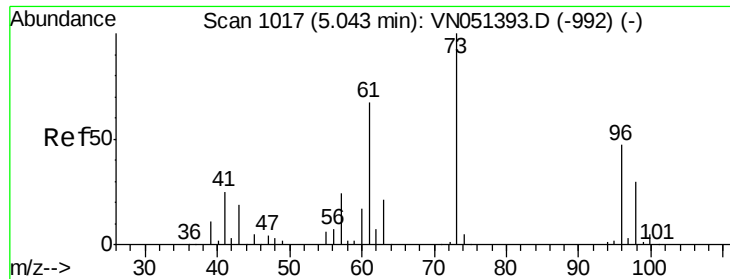
MMDadoda
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#20
Methylene Chloride
Concen: 19.512 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 84 Resp: 119263
Ion Ratio Lower Upper
84 100
49 132.4 99.9 149.9
51 40.3 31.4 47.2
86 65.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.979 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 96 Resp: 100904

Ion Ratio Lower Upper

96 100

61 147.5 113.4 170.2

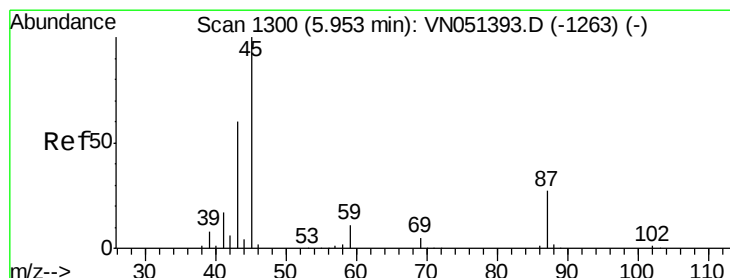
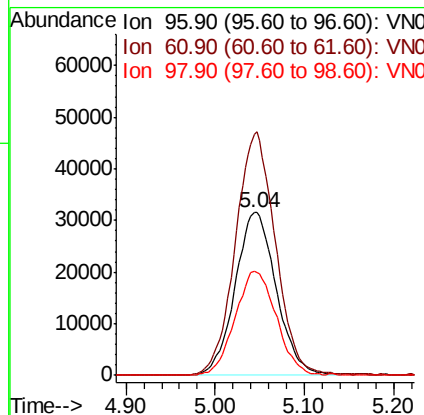
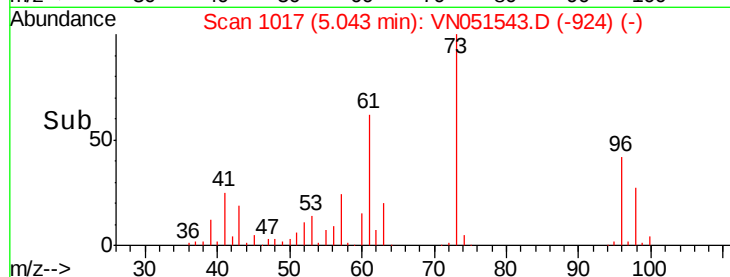
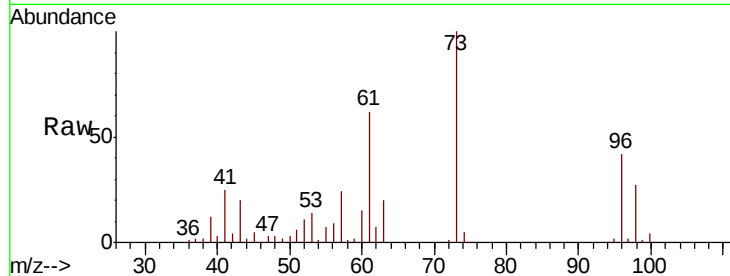
98 64.0 51.1 76.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.979 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion: 45 Resp: 391056

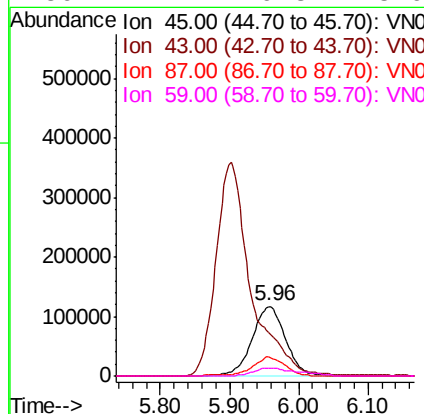
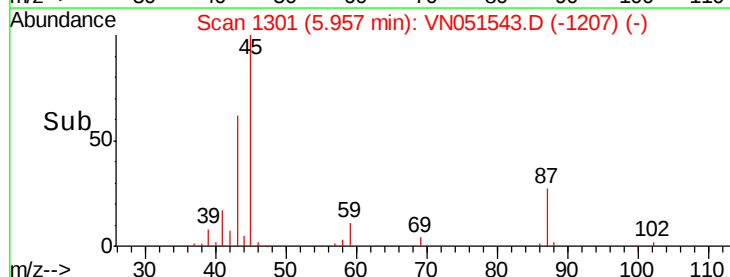
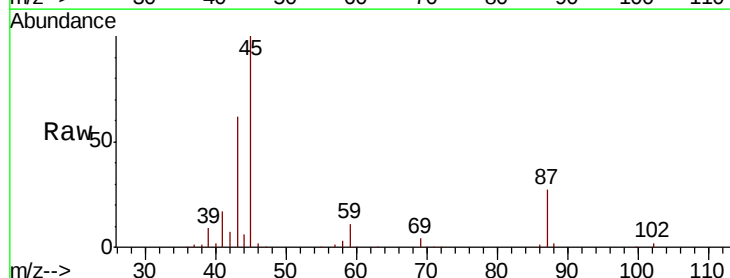
Ion Ratio Lower Upper

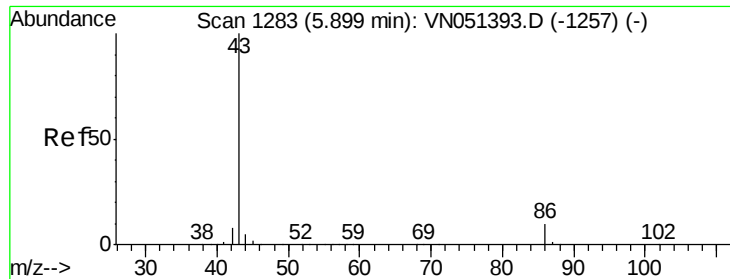
45 100

43 60.3 47.7 71.5

87 27.3 22.0 33.0

59 11.2 9.3 13.9





#23

Vinyl Acetate

Concen: 107.664 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 43 Resp: 1257649

Ion Ratio Lower Upper

43 100

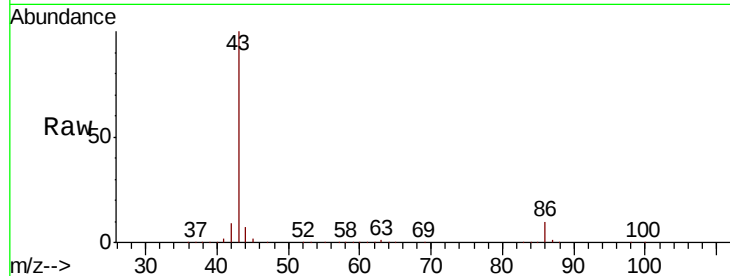
86 9.9 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

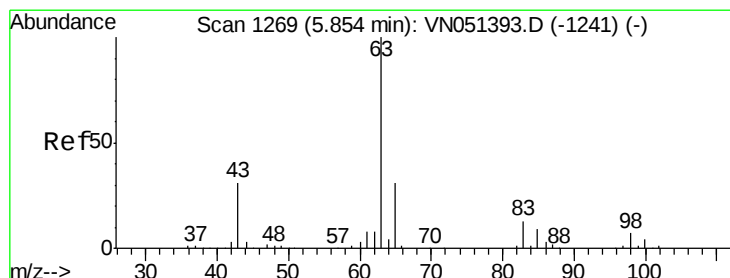
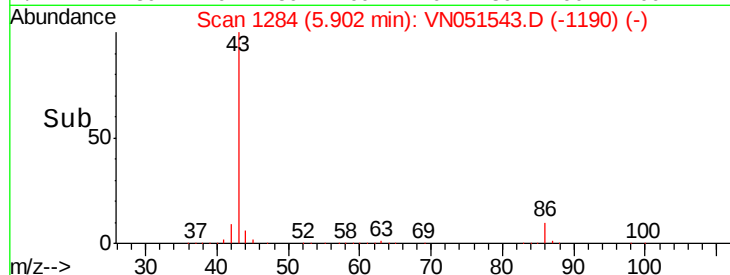
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.619 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

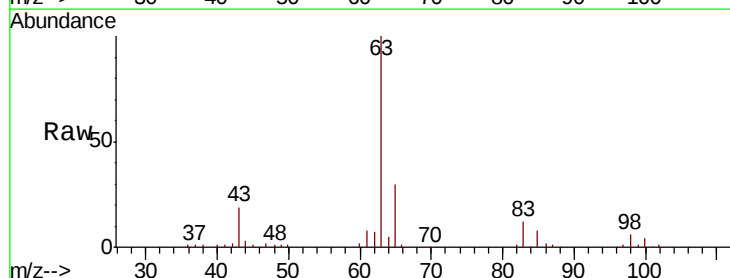
Tgt Ion: 63 Resp: 218896

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

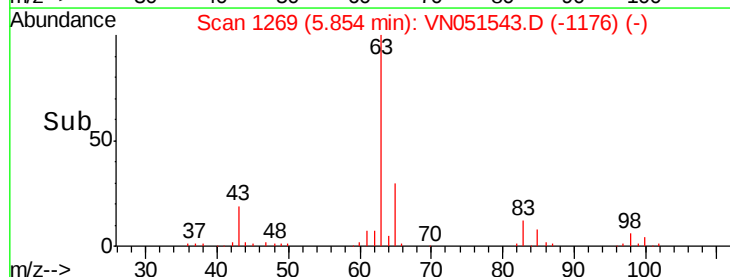
60000

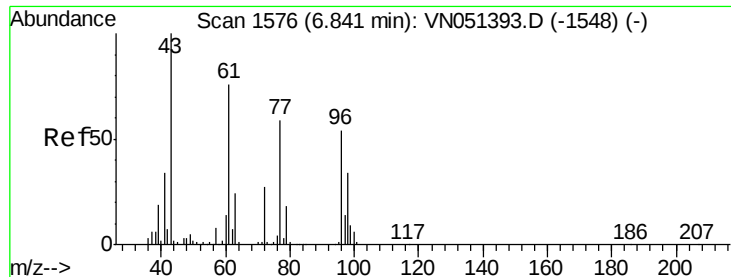
40000

20000

0

Time-->





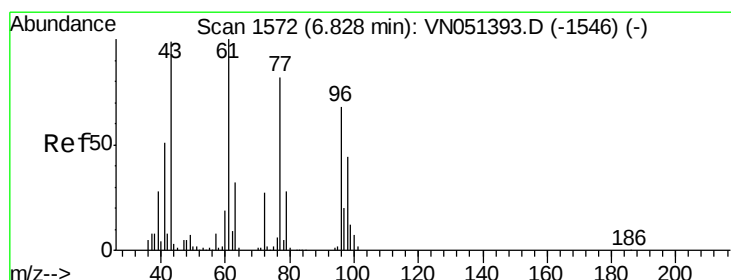
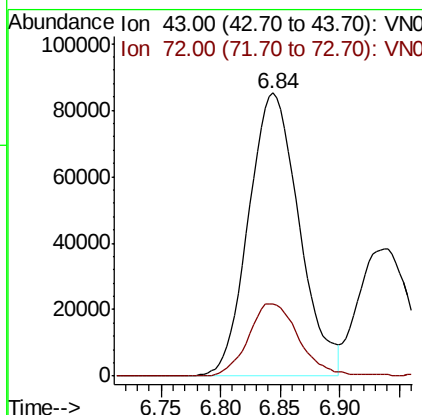
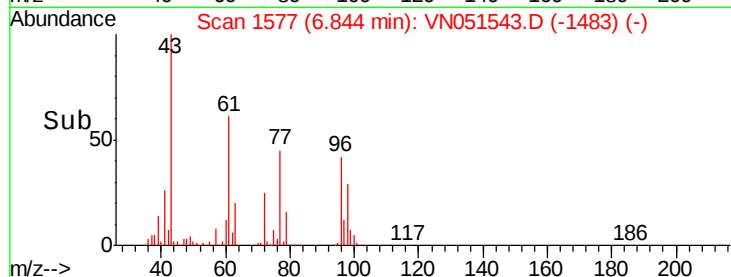
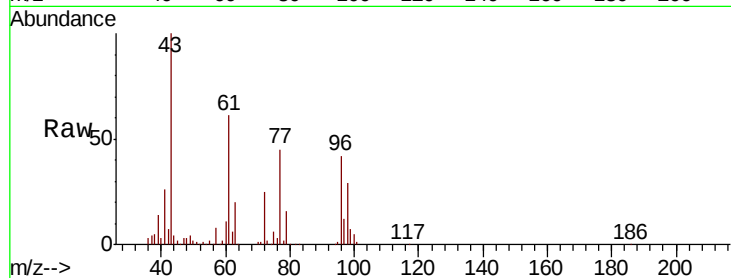
#25
 2-Butanone
 Concen: 118.102 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion: 43 Resp: 249692
 Ion Ratio Lower Upper
 43 100
 72 25.4 21.8 32.6

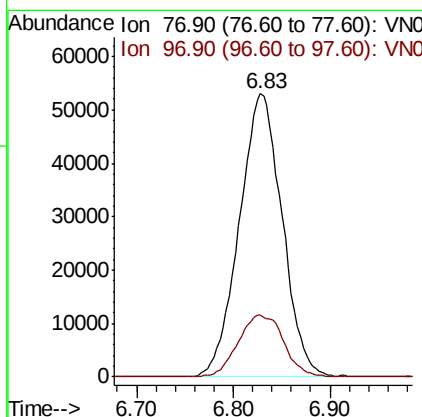
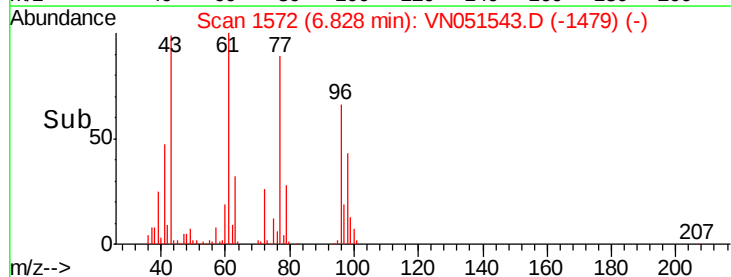
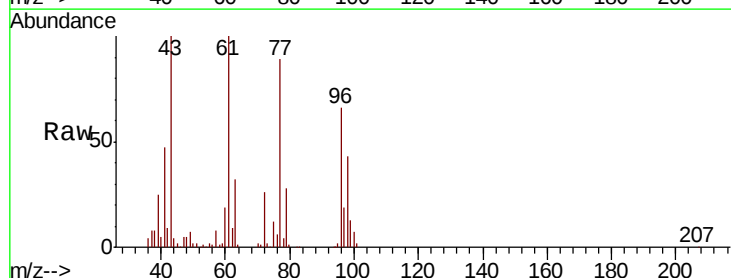
Manual Integrations
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 9/27/2018 3:18:43 PM



#26
 2,2-Dichloropropane
 Concen: 19.659 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 77 Resp: 162915
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.615 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

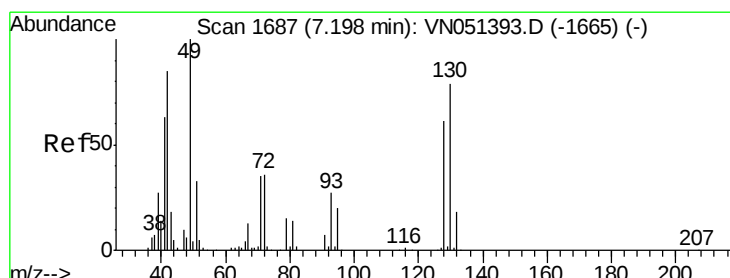
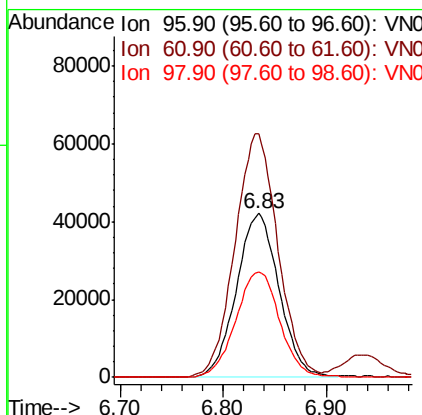
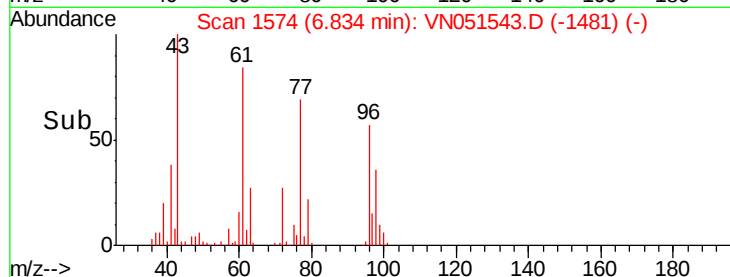
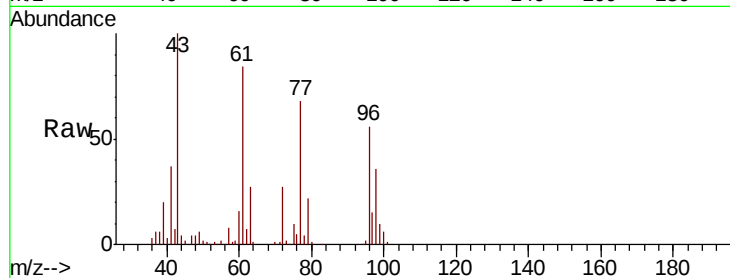
ClientSampleId :

VN0927WBSD01

Tot Ion:	96	Resp:	120789
Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	291.4
98	66.5	0.0	128.4

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#28

Bromochloromethane

Concen: 21.989 ug/l

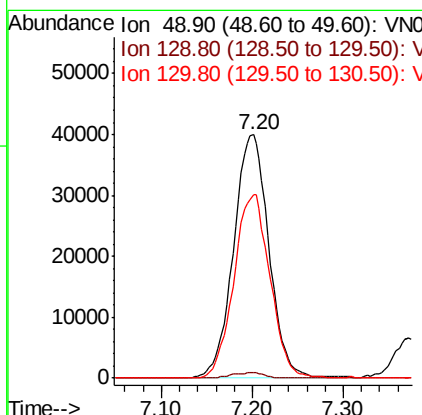
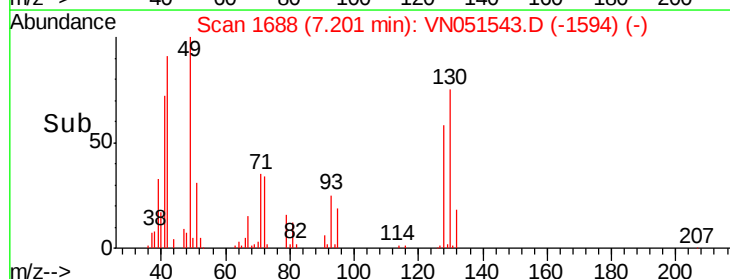
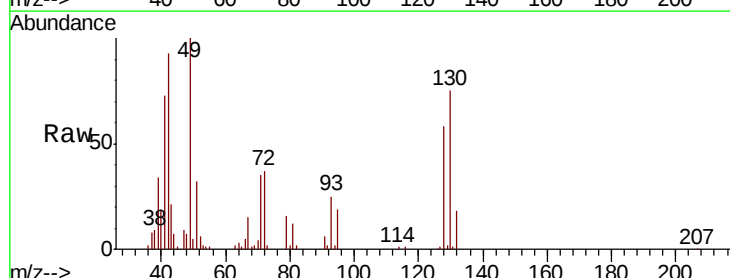
RT: 7.20 min Scan# 1688

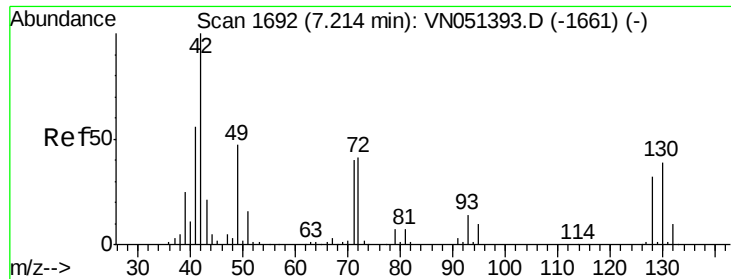
Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion:	49	Resp:	107799
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	77.1	63.0	94.4





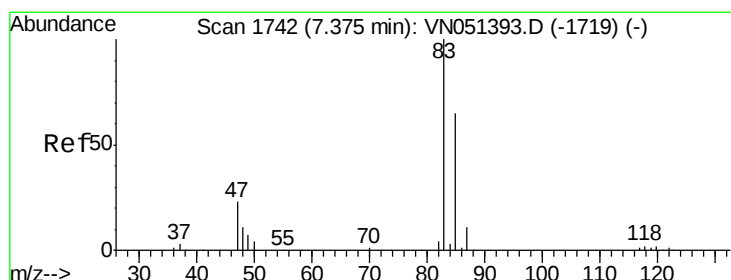
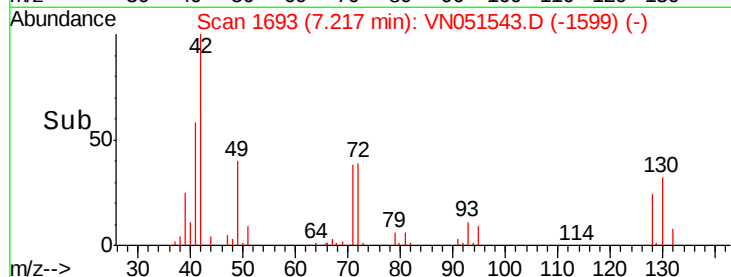
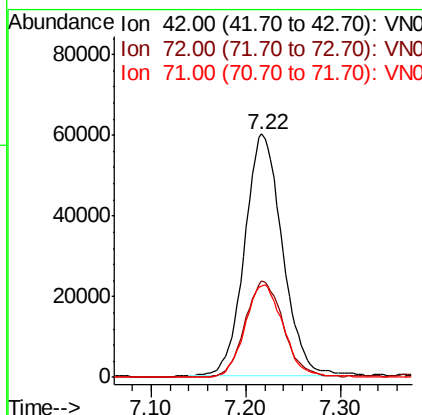
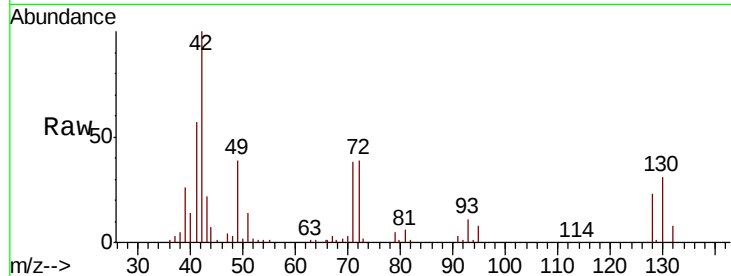
#29
Tetrahydrofuran
Concen: 124.481 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	34.3	51.5
71	39.1	32.2	48.4

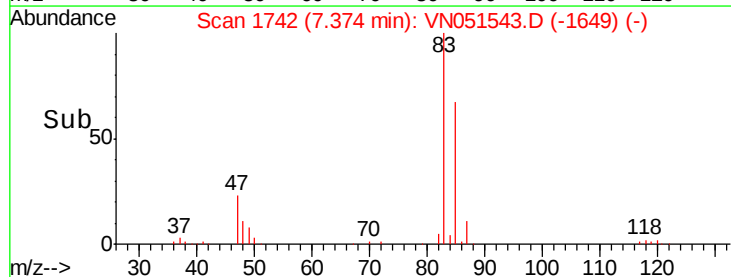
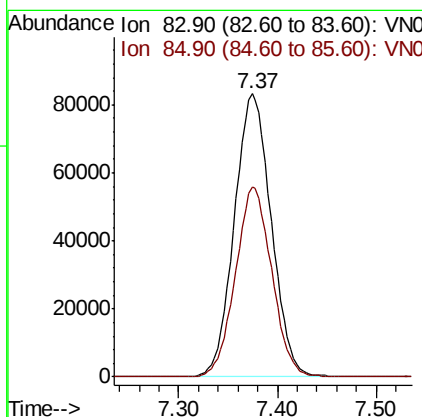
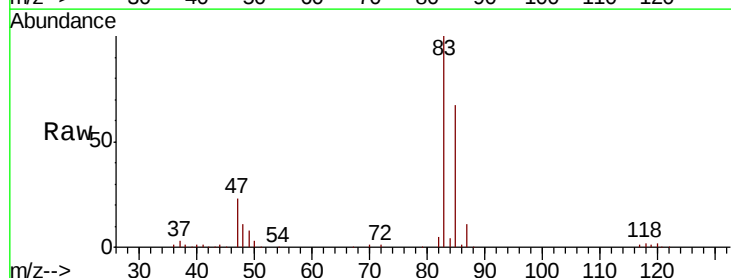
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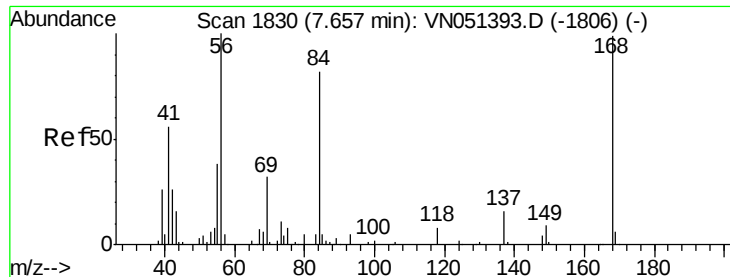
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#30
Chloroform
Concen: 20.532 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.8	77.6





#31

Cyclohexane

Concen: 17.579 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 56 Resp: 170979

Ion Ratio Lower Upper

56 100

69 36.6 25.8 38.6

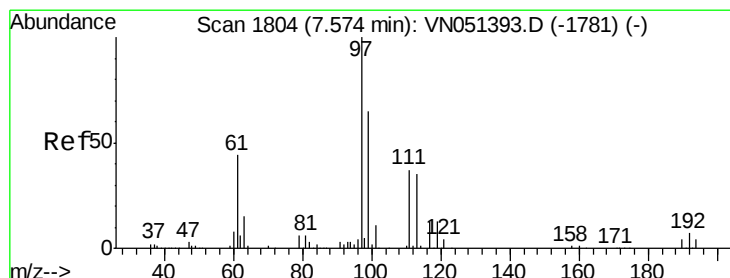
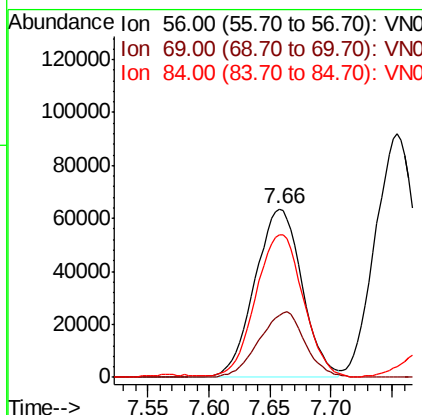
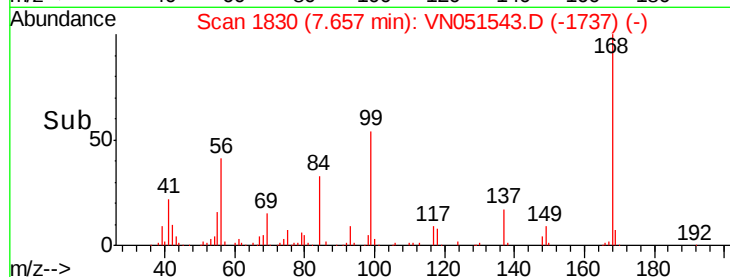
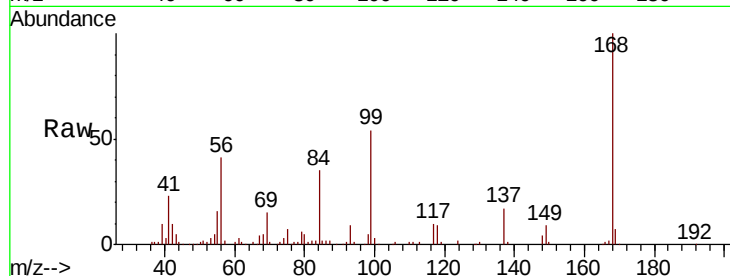
84 83.6 66.0 99.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.040 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

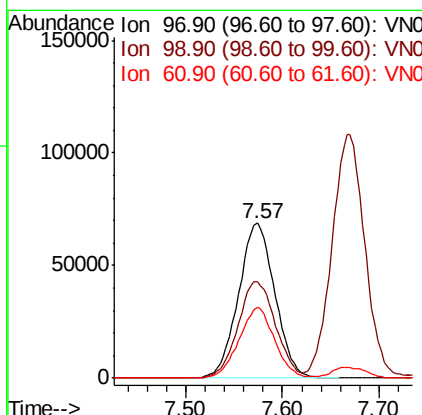
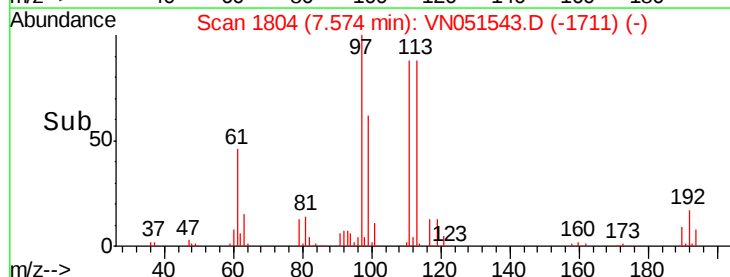
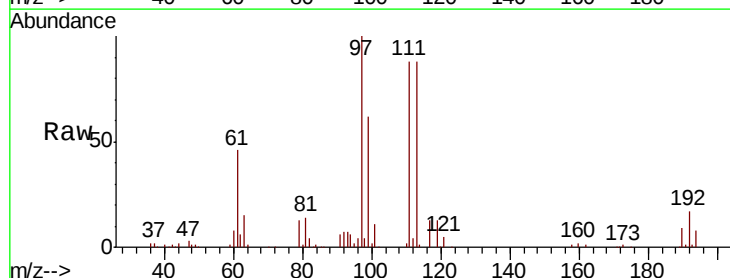
Tgt Ion: 97 Resp: 180220

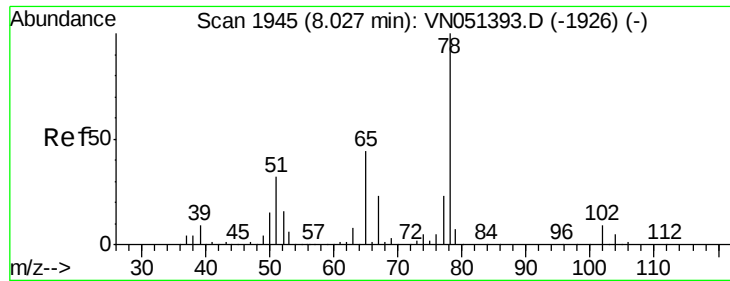
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 44.4 35.8 53.8





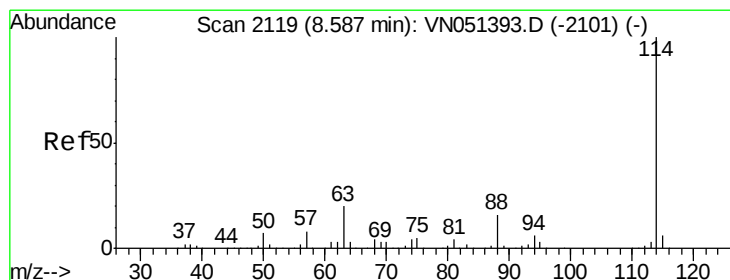
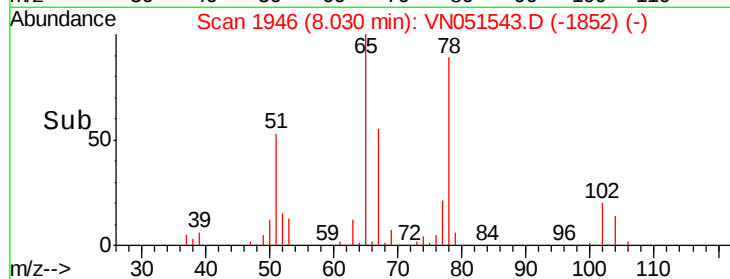
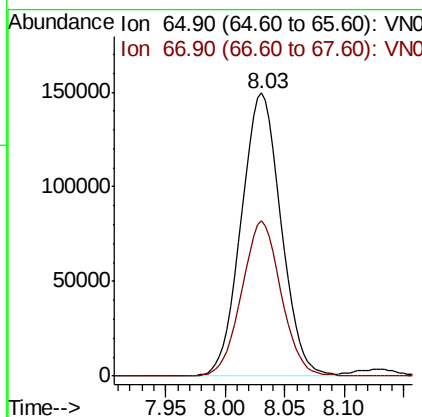
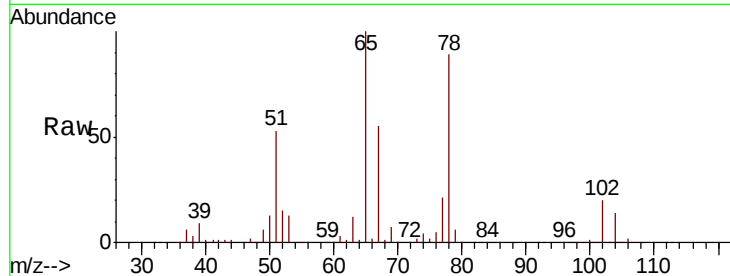
#33
 1,2-Dichloroethane-d4
 Concen: 56.210 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion: 65 Resp: 347203
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.8

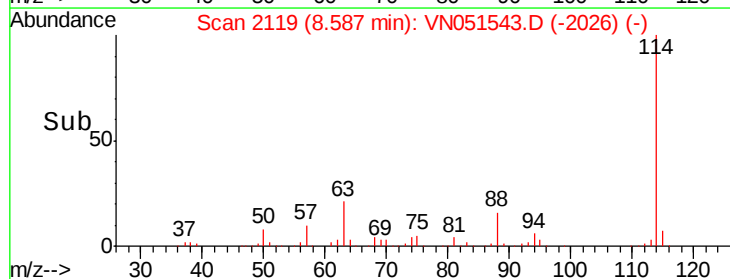
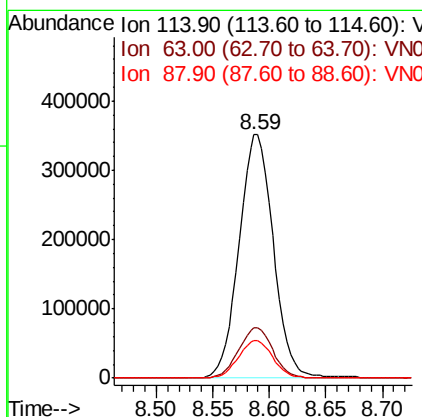
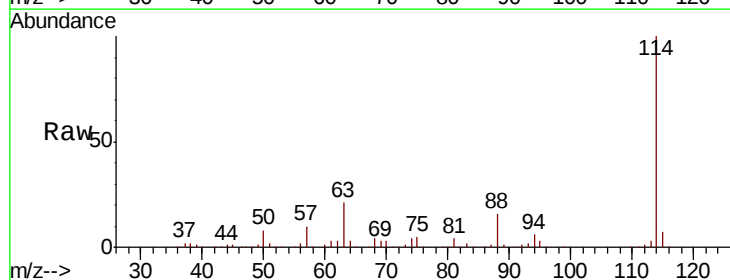
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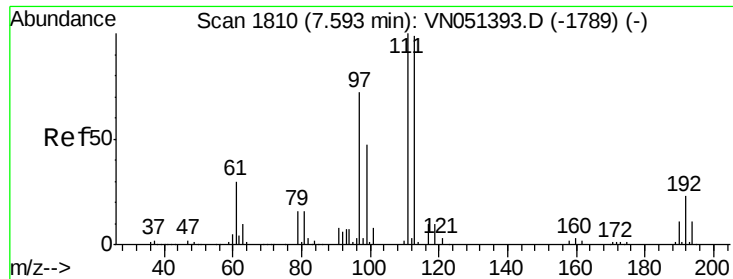
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 114 Resp: 742464
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.6 0.0 31.4





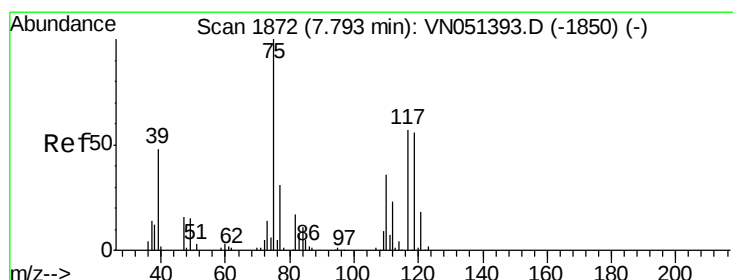
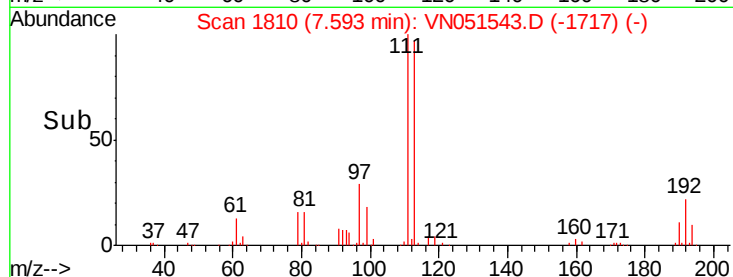
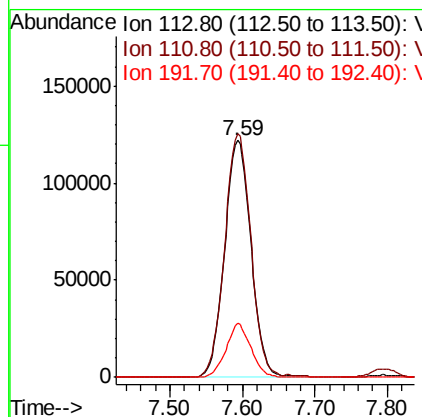
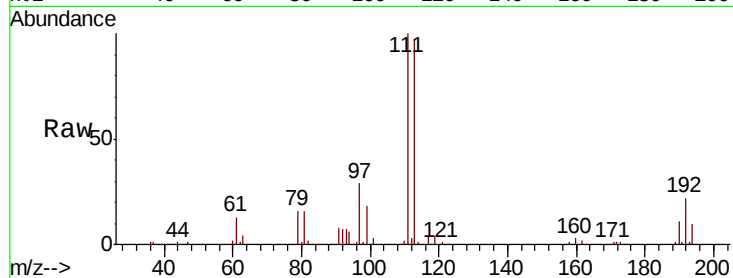
#35
 Dibromofluoromethane
 Concen: 52.150 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	82.6	123.8	
192	21.4	18.0	27.0	

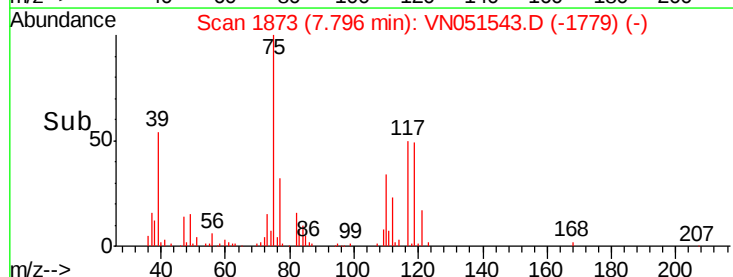
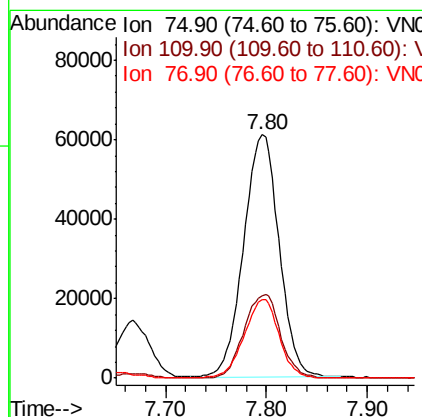
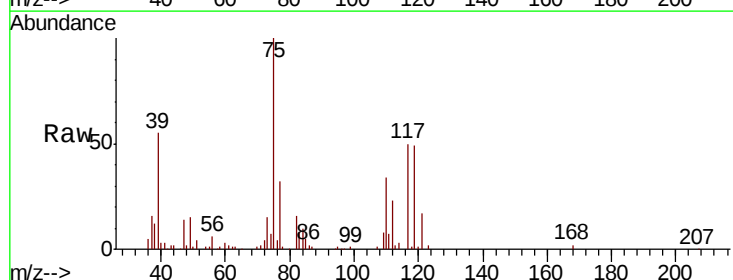
Manual Integrations
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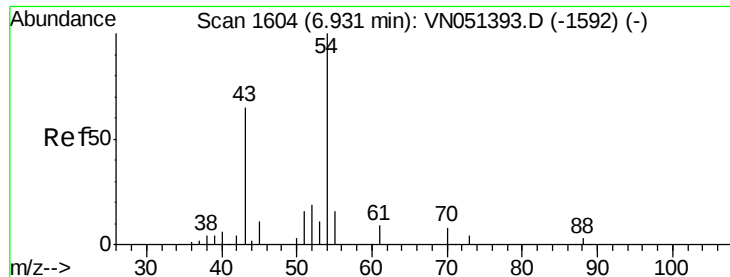
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#36
 1,1-Dichloropropene
 Concen: 17.369 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	18.1	54.3	
77	31.9	25.6	38.4	





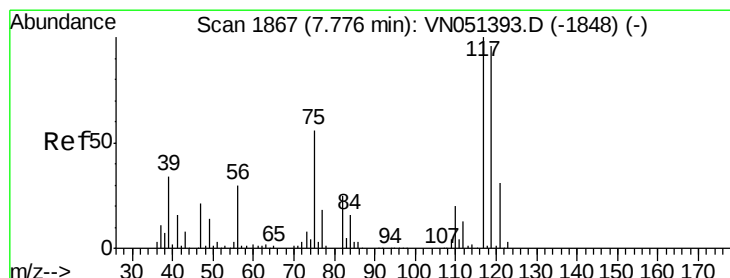
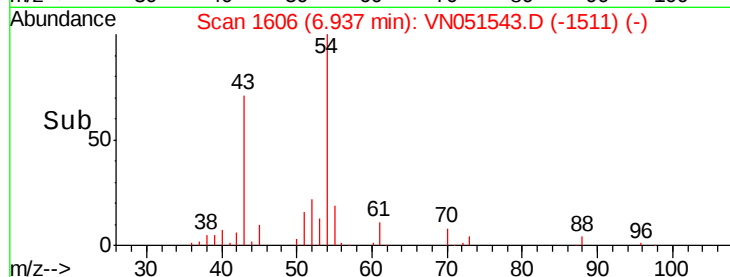
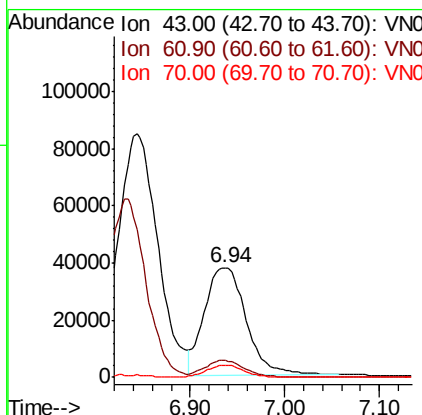
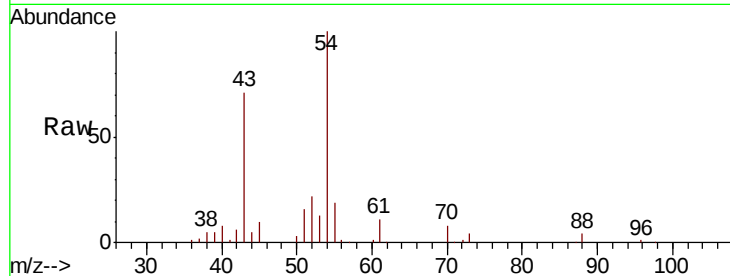
#37
Ethyl Acetate
Concen: 23.581 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	10.1	7.9	11.9

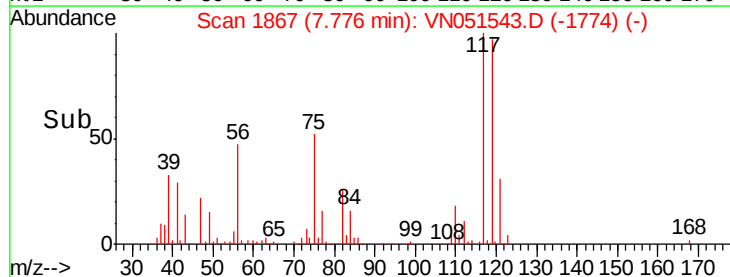
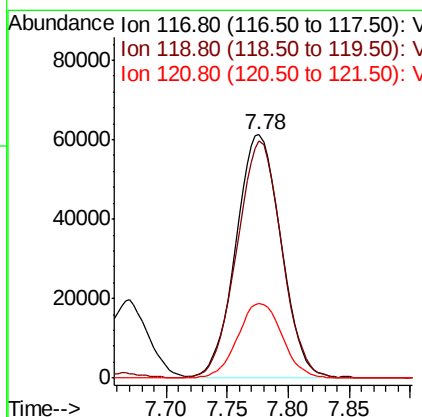
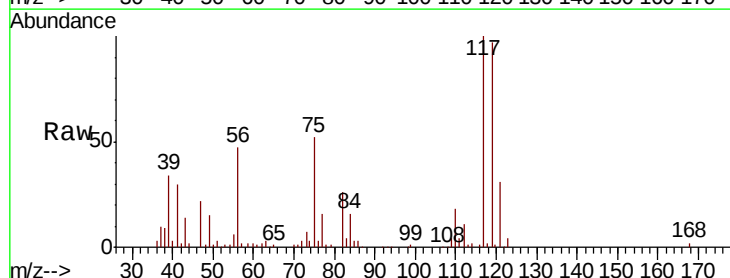
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#38
Carbon Tetrachloride
Concen: 17.302 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.9	115.3
121	30.7	24.6	37.0





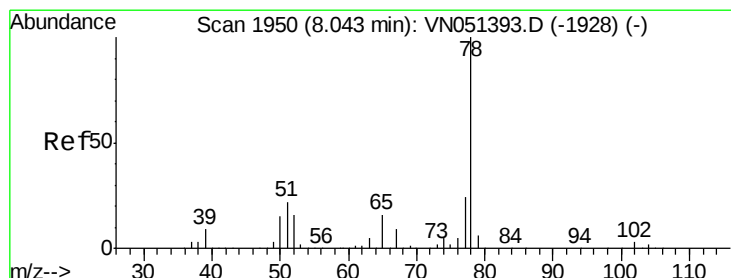
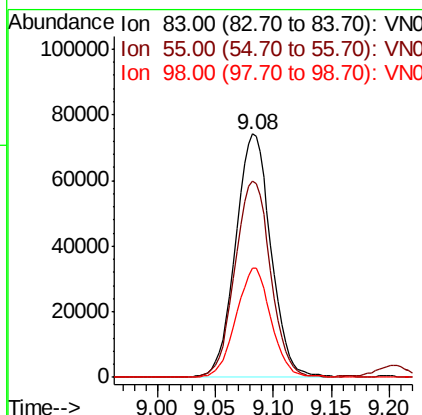
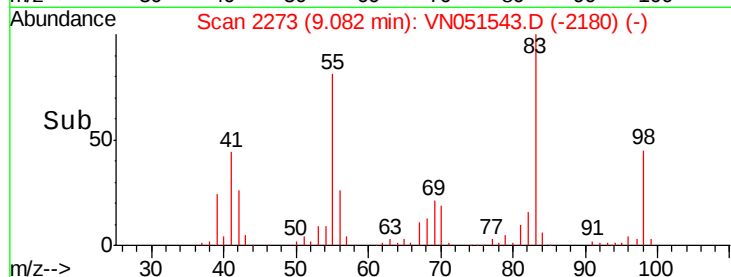
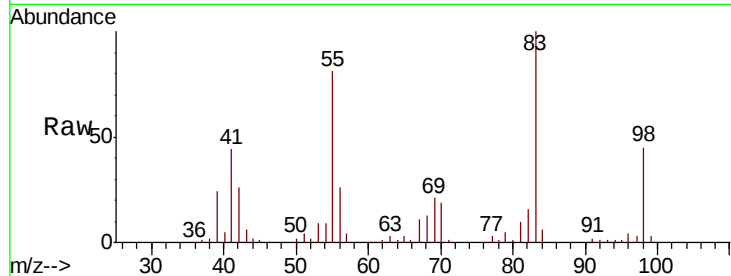
#39
Methvlcvclohexane
Concen: 15.661 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	61.0	91.4
98	44.8	35.6	53.4

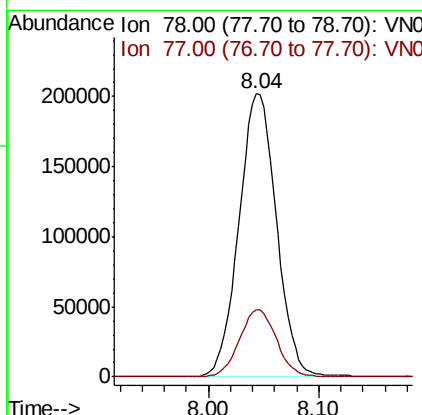
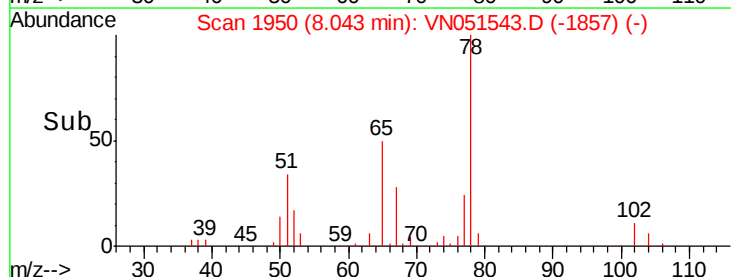
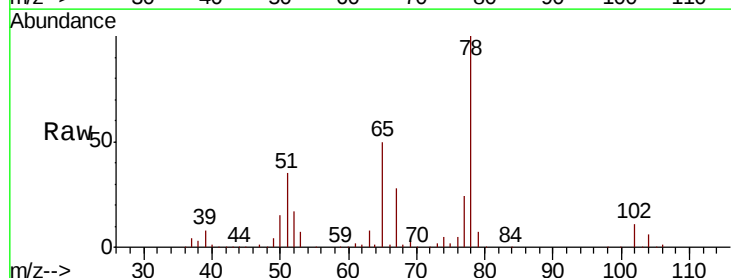
Manual Integrations
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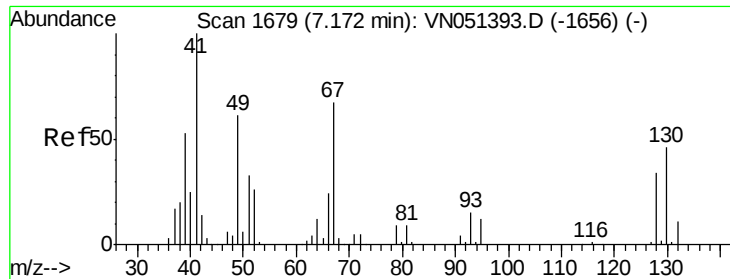
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#40
Benzene
Concen: 18.854 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





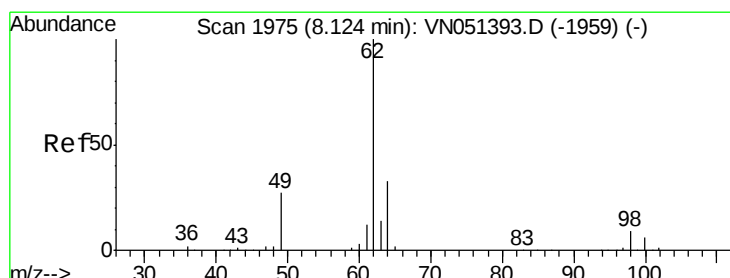
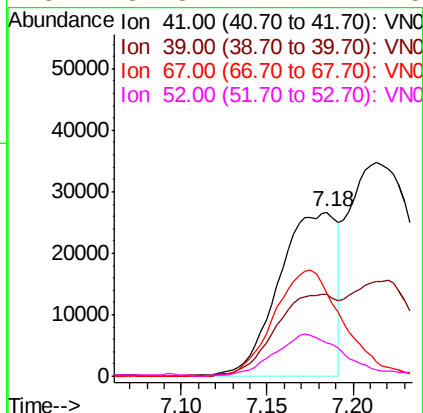
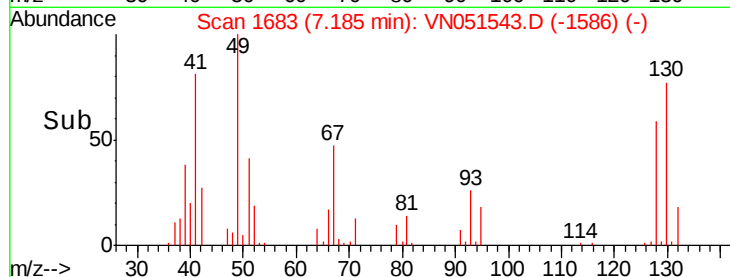
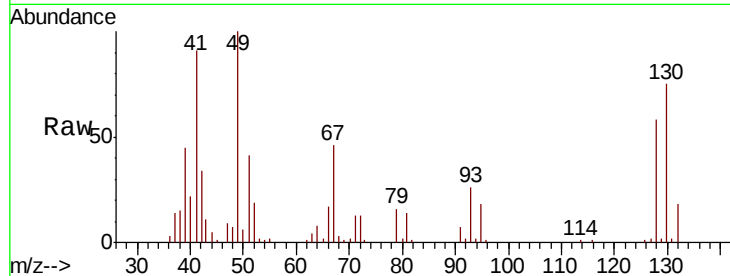
#41
Methacrylonitrile
Concen: 22.959 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleID :
VN0927WBSD01

Tot Ion:	41	Resp:	62790
Ion	Ratio	Lower	Upper
41	100		
39	52.1	51.4	77.2
67	77.0	66.8	100.2
52	31.3	27.7	41.5

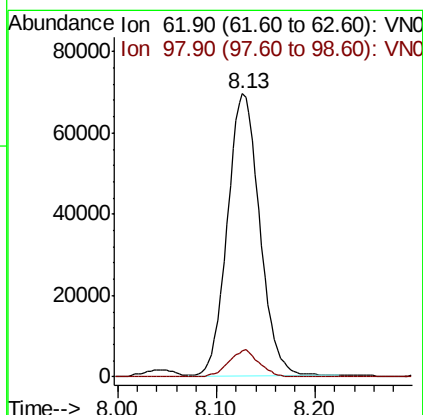
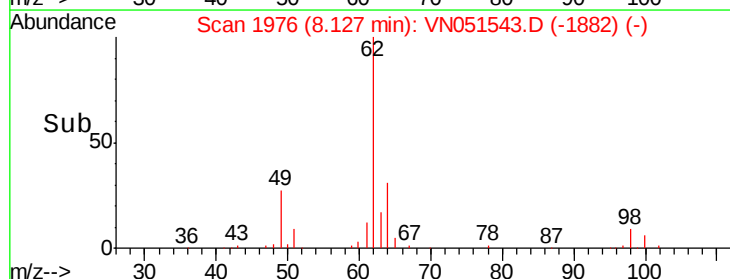
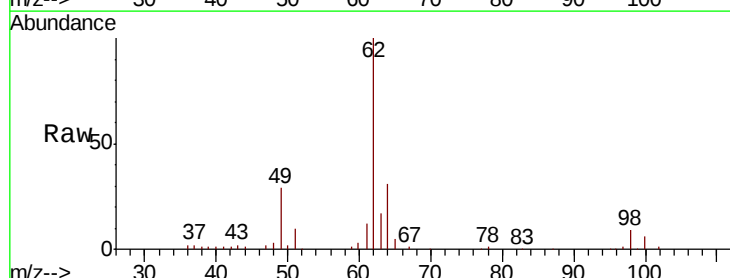
Manual Integrations
APPROVED

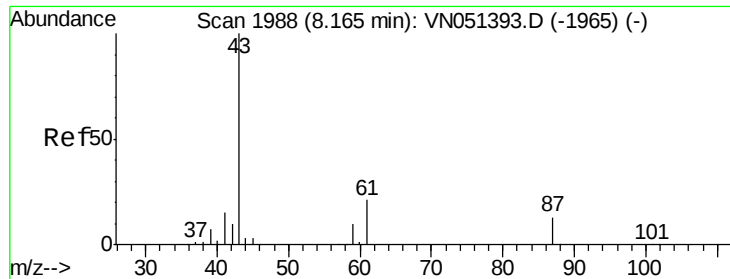
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.682 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion:	62	Resp:	159102
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





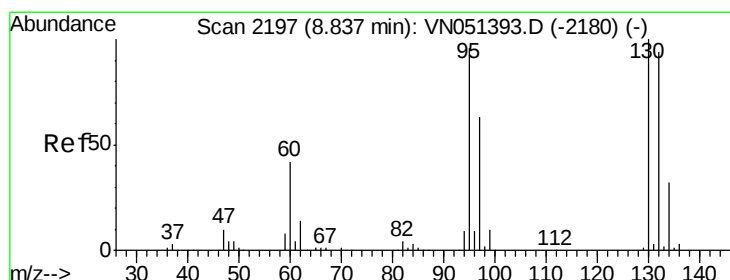
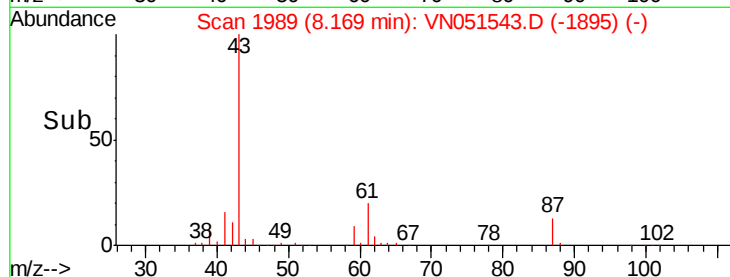
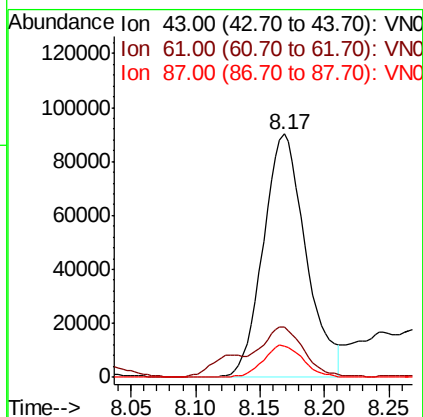
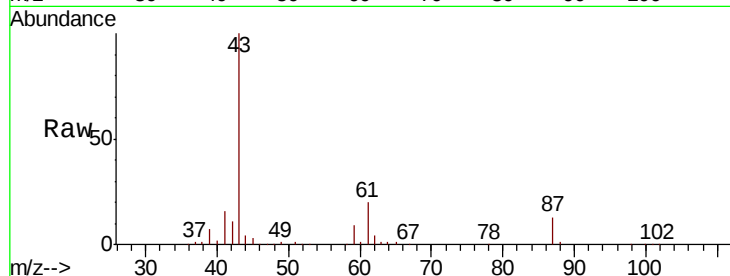
#43
Isopropyl Acetate
Concen: 23.248 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	12.3	10.7	16.1

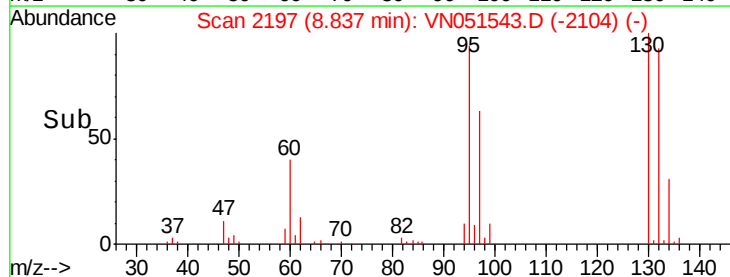
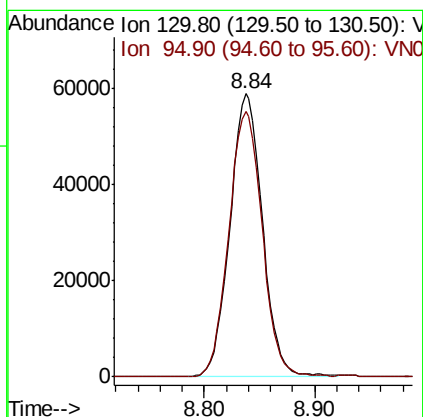
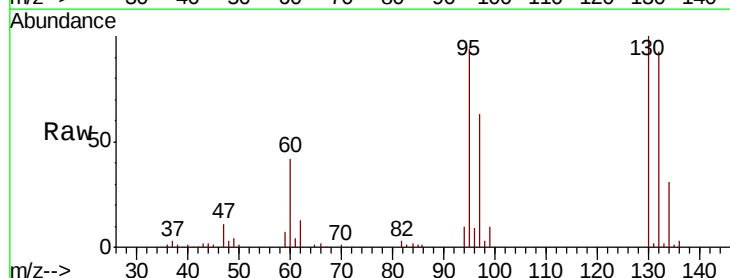
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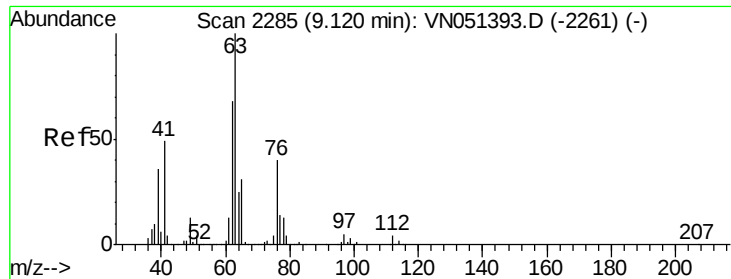
MMDadoda
9/27/2018 3:18:43 PM



#44
Trichloroethene
Concen: 17.917 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	192.2





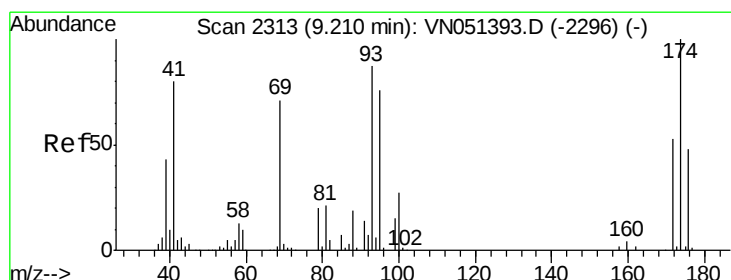
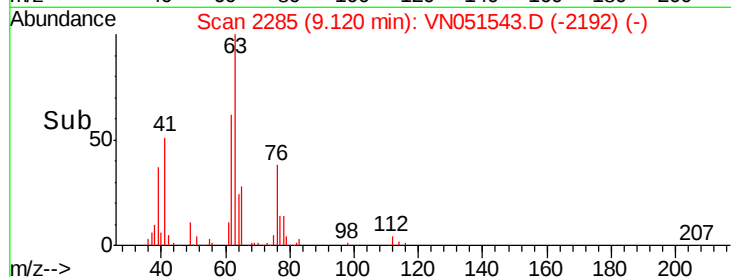
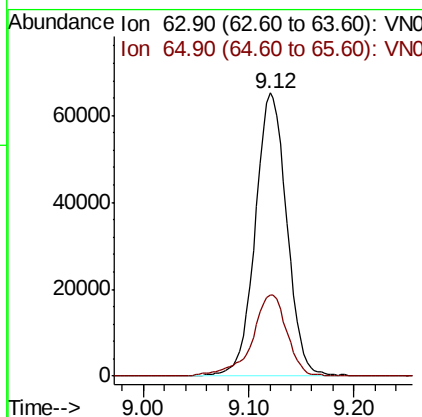
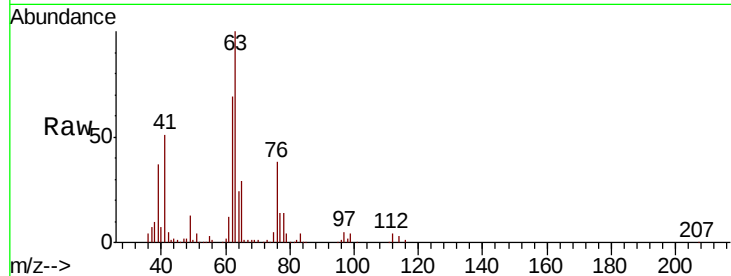
#45
 1,2-Dichloropropane
 Concen: 19.804 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.9	37.3

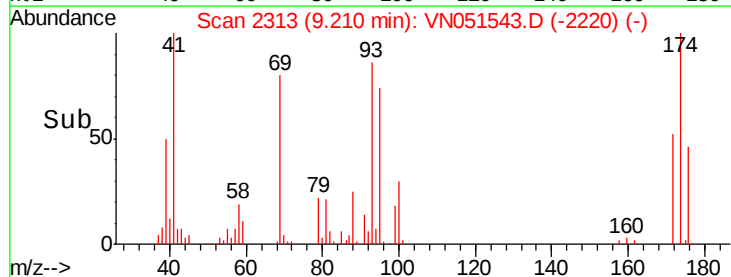
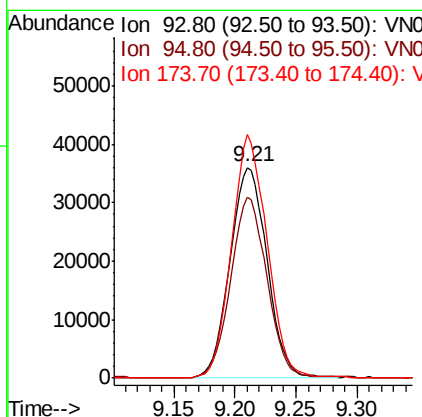
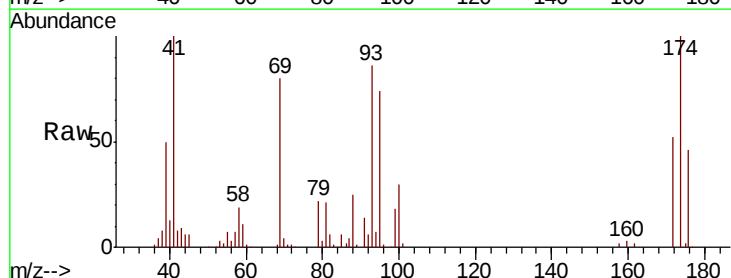
Manual Integrations
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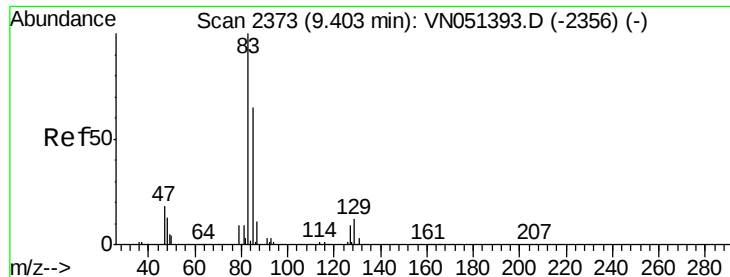
MMDadoda
 9/27/2018 3:18:43 PM



#46
 Dibromomethane
 Concen: 19.601 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.6	101.4
174	110.8	89.6	134.4





#47

Bromodichloromethane

Concen: 19.309 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

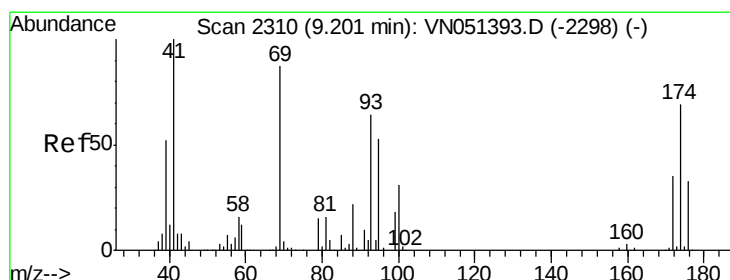
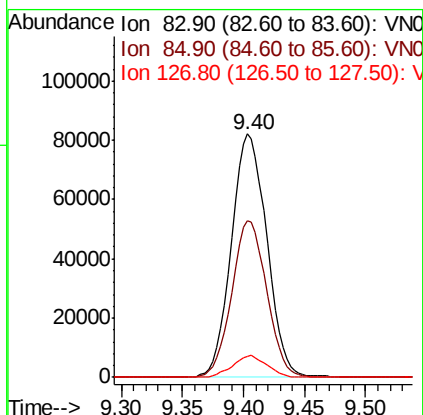
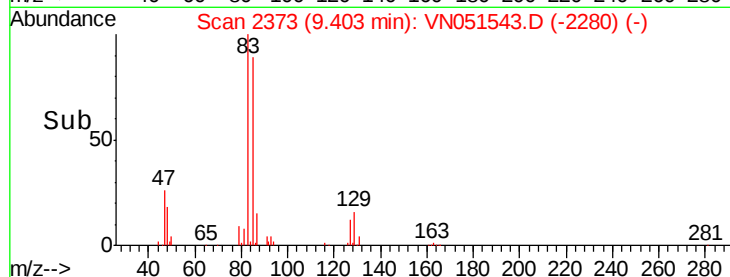
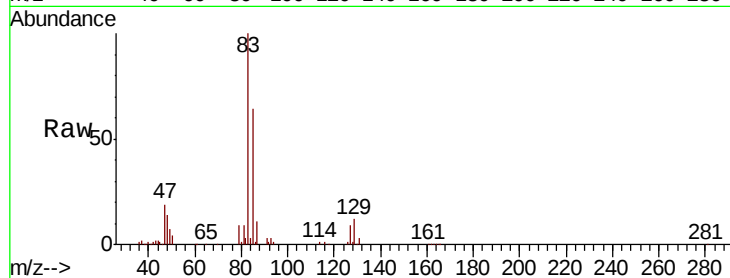
ClientSampleId :

VN0927WBSD01

Tot Ion:	83	Resp:	165688
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.8	77.6
127	8.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.904 ug/l

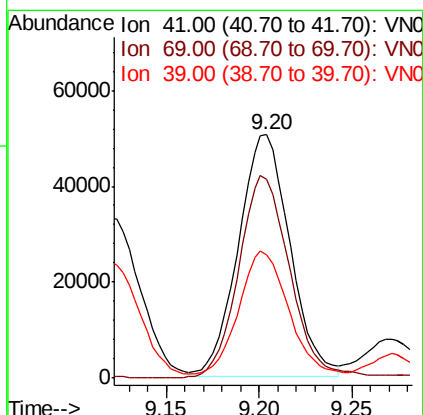
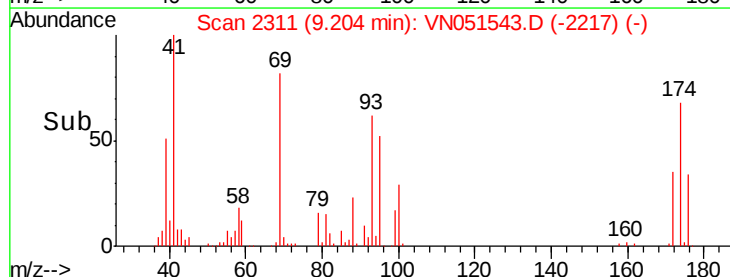
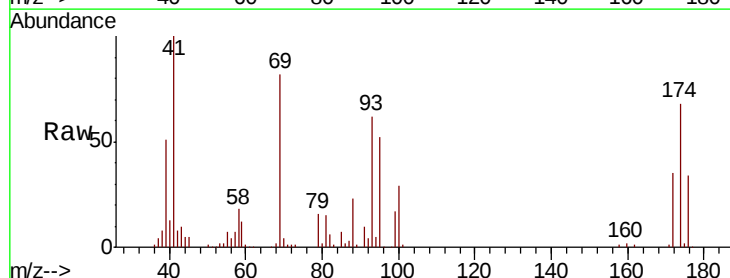
RT: 9.20 min Scan# 2311

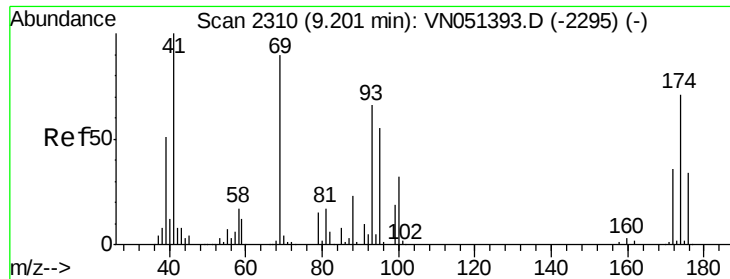
Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion:	41	Resp:	97621
Ion Ratio	Lower	Upper	
41	100		
69	83.4	70.4	105.6
39	51.5	43.8	65.8





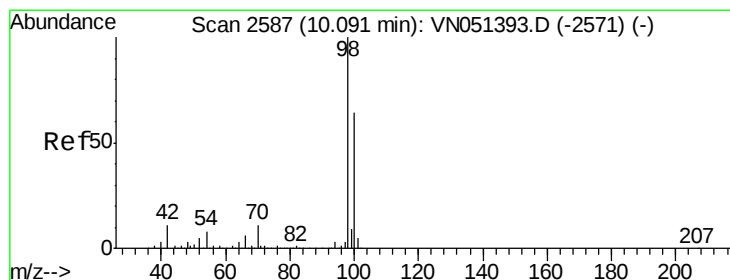
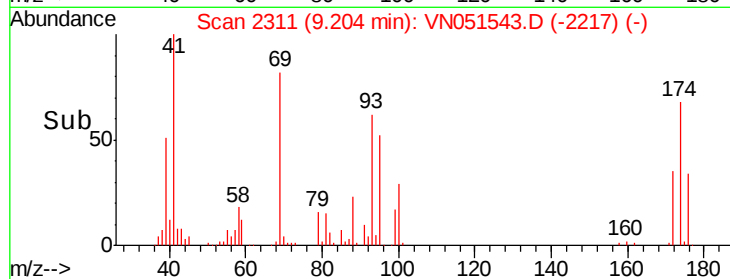
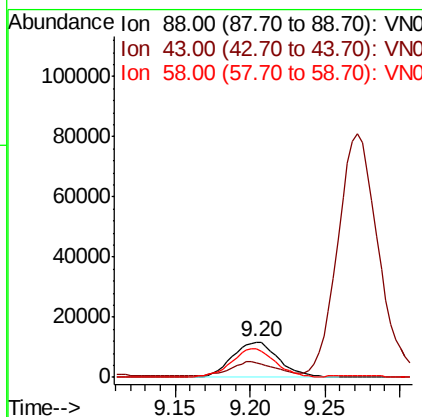
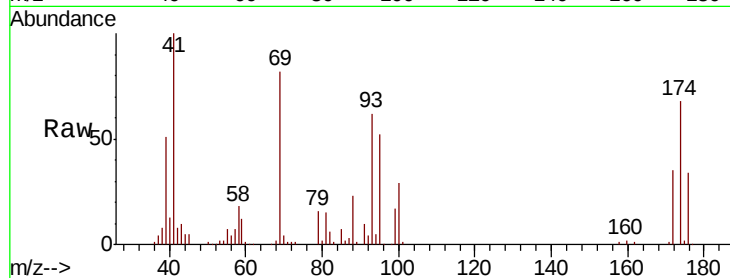
#49
 1,4-Dioxane
 Concen: 460.859 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.9	38.9#
58	77.5	57.0	85.4

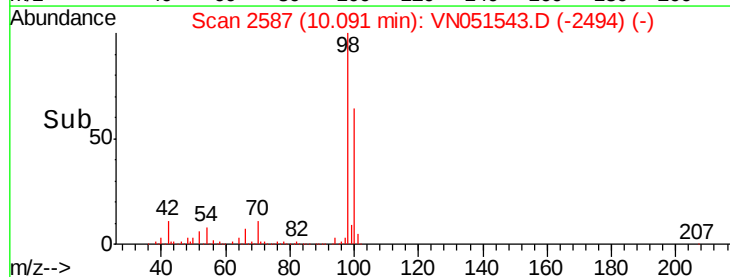
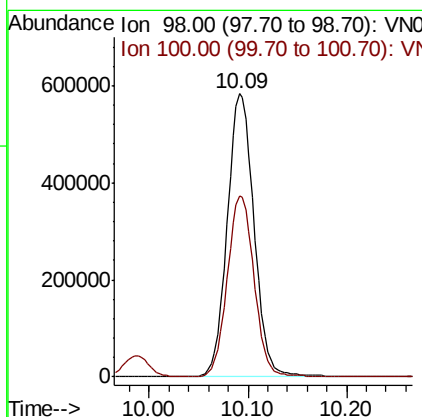
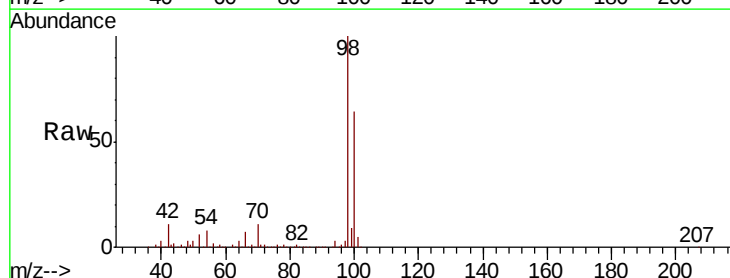
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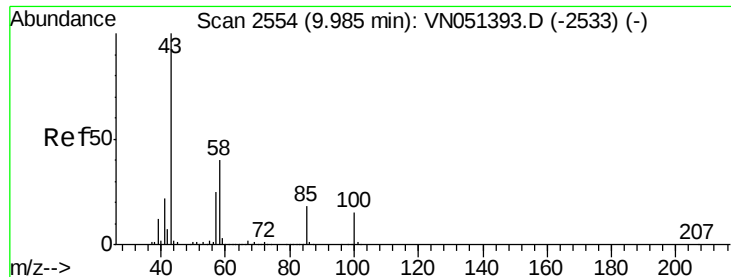
MMDadoda
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#50
 Toluene-d8
 Concen: 49.611 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 117.889 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 43 Resp: 579564

Ion Ratio Lower Upper

43 100

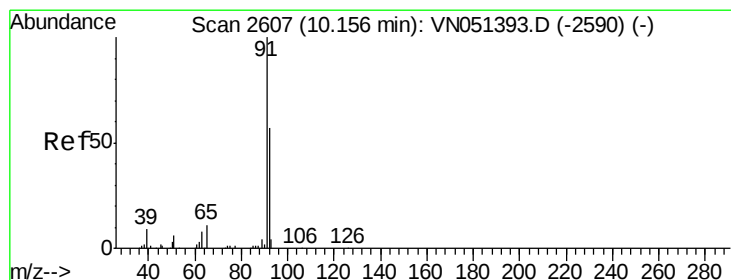
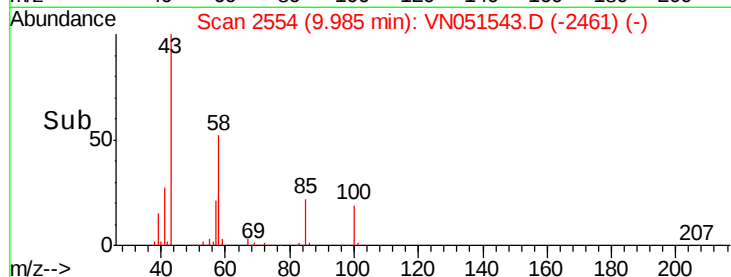
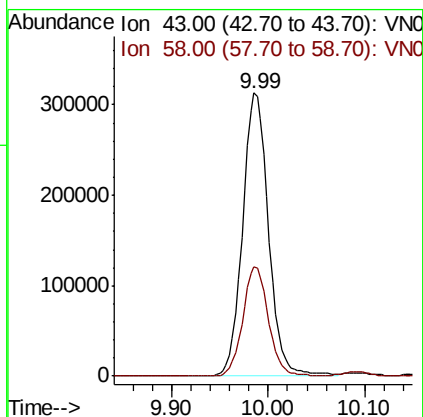
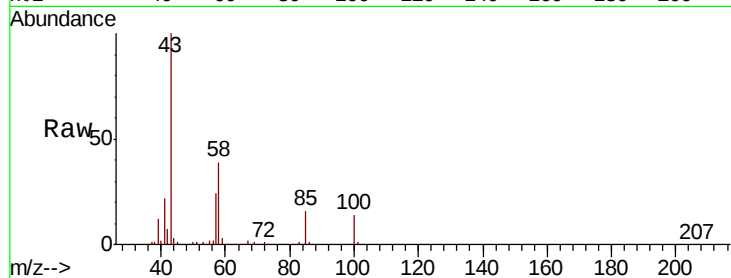
58 38.2 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 18.355 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051543.D

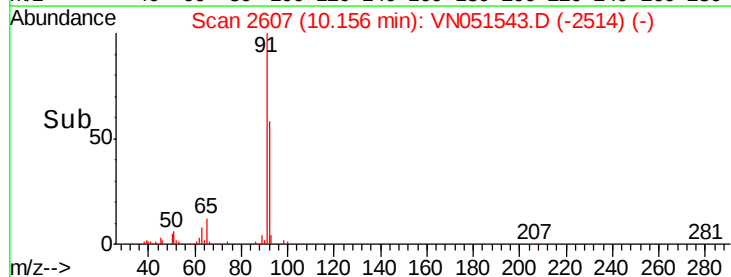
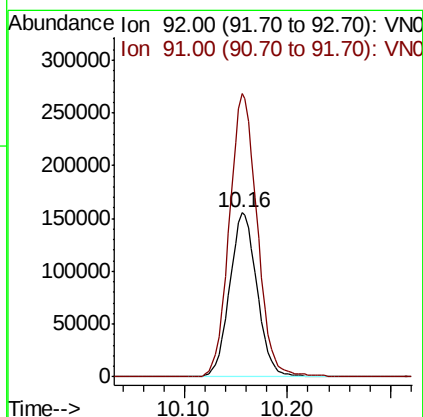
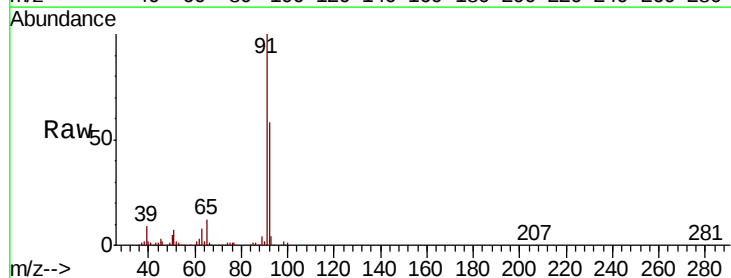
Acq: 26 Sep 2018 18:43

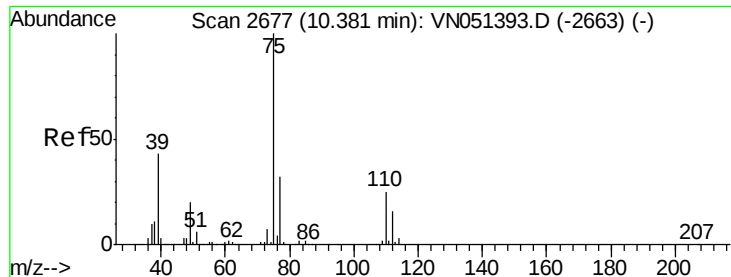
Tgt Ion: 92 Resp: 287965

Ion Ratio Lower Upper

92 100

91 174.6 142.2 213.4





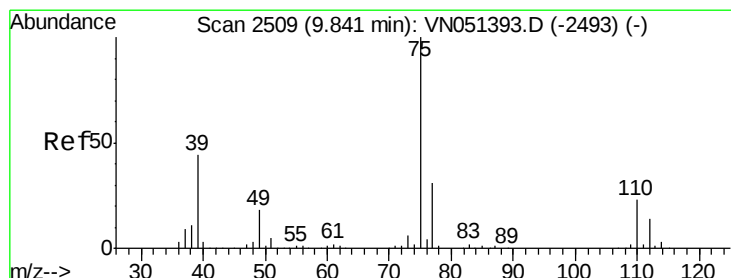
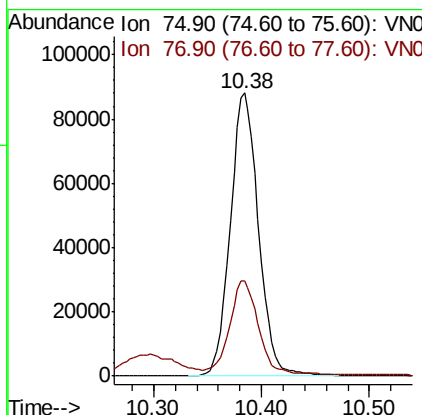
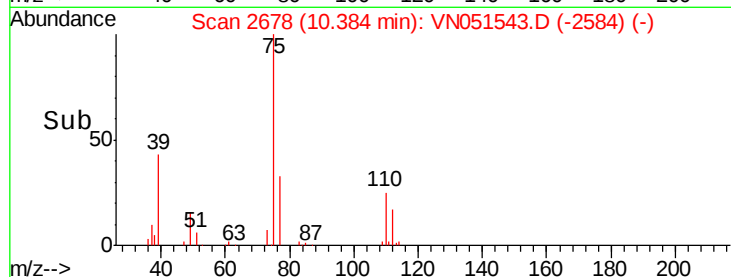
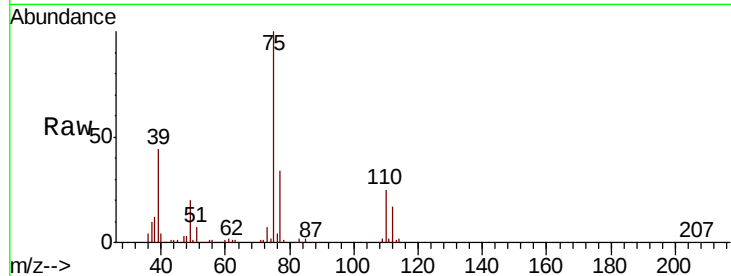
#53
 t-1,3-Dichloropropene
 Concen: 18.572 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion: 75 Resp: 160890
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8

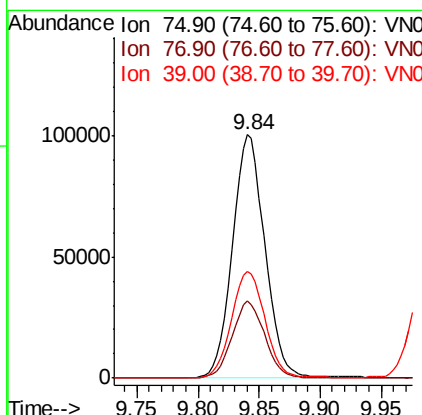
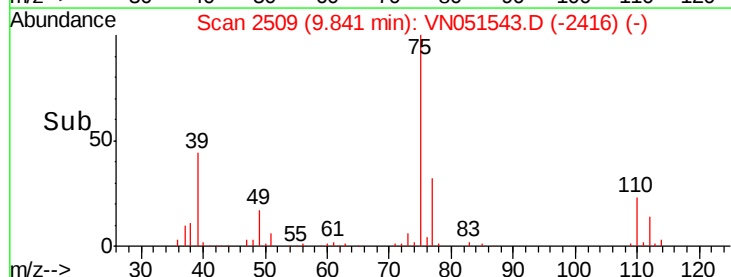
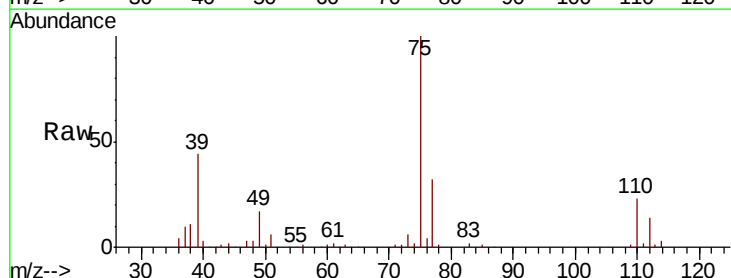
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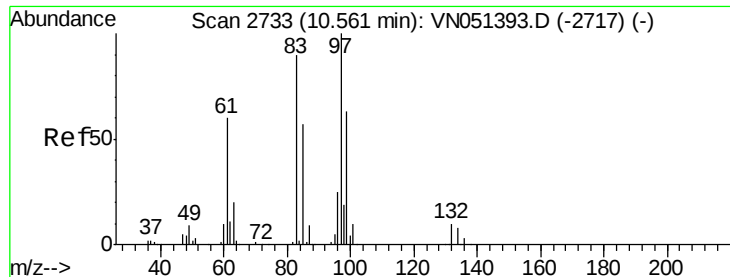
MMDadoda
 9/27/2018 3:18:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.453 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion: 75 Resp: 185379
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 43.6 35.4 53.2





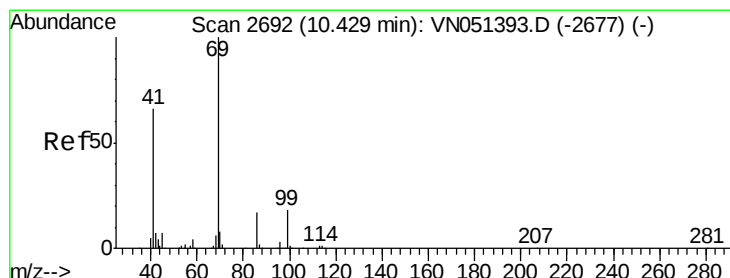
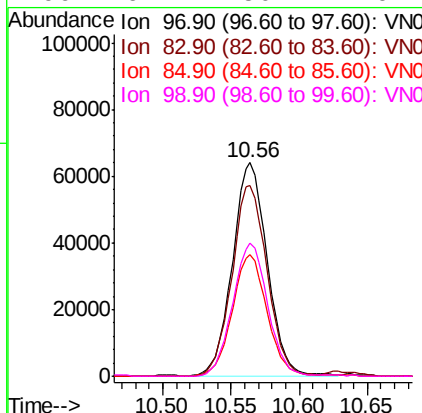
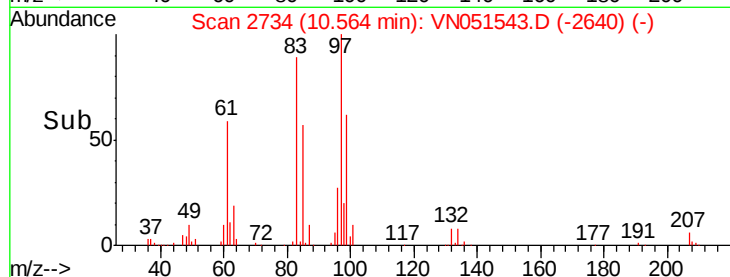
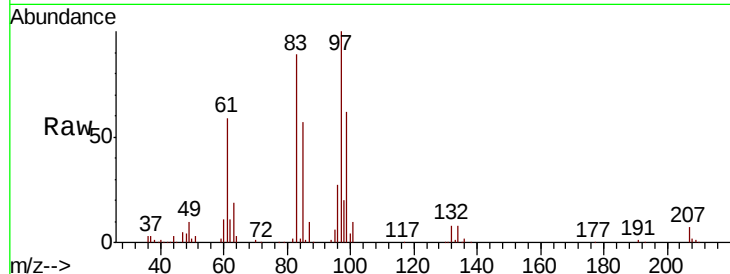
#55
 1,1,2-Trichloroethane
 Concen: 20.542 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113901		
83	89.2	72.0	108.0		
85	56.9	45.2	67.8		
99	62.1	50.7	76.1		

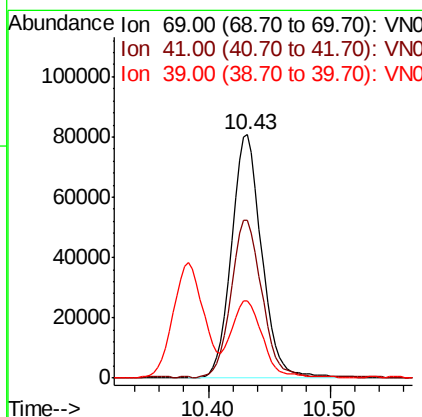
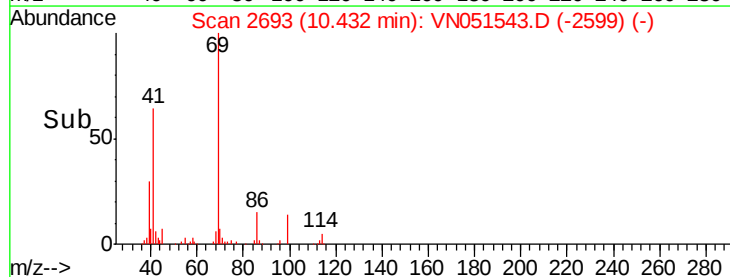
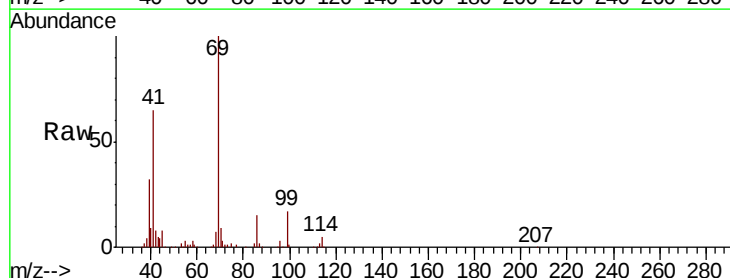
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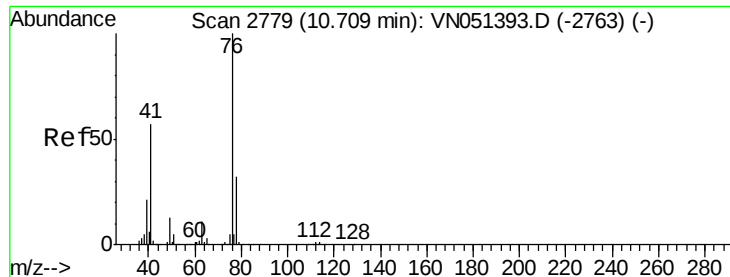
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.537 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139221		
41	65.8	52.4	78.6		
39	32.8	26.3	39.5		





#57

1,3-Dichloropropane

Concen: 20.158 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 76 Resp: 191573

Ion Ratio Lower Upper

76 100

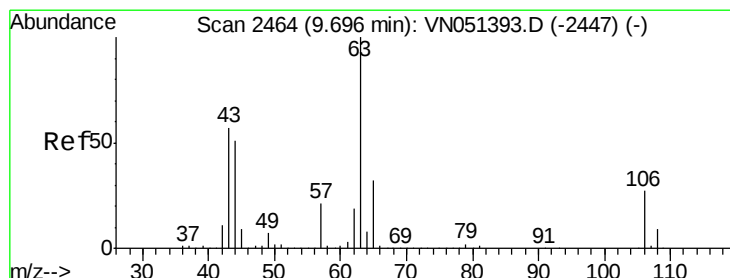
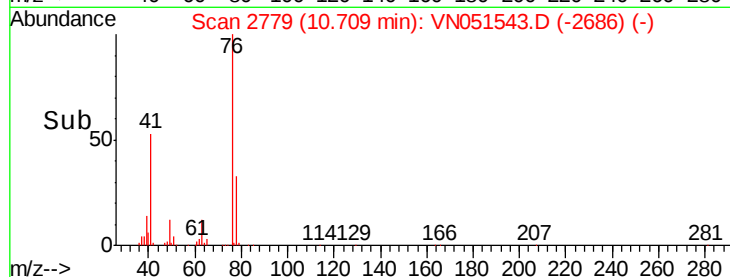
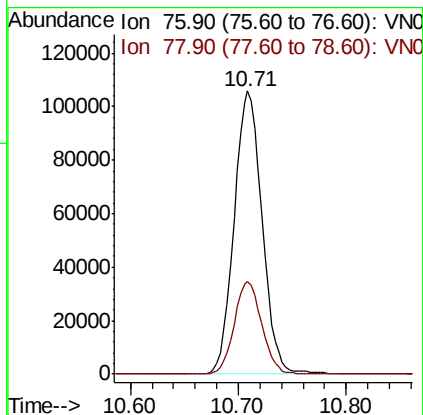
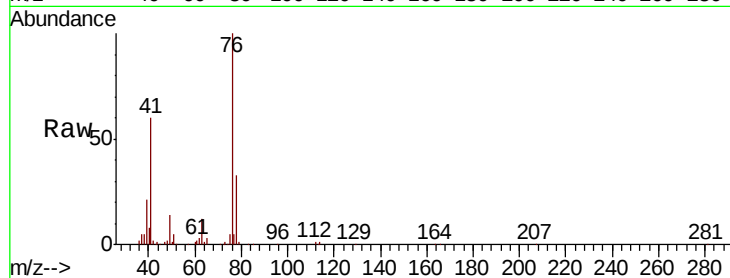
78 32.4 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 110.853 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051543.D

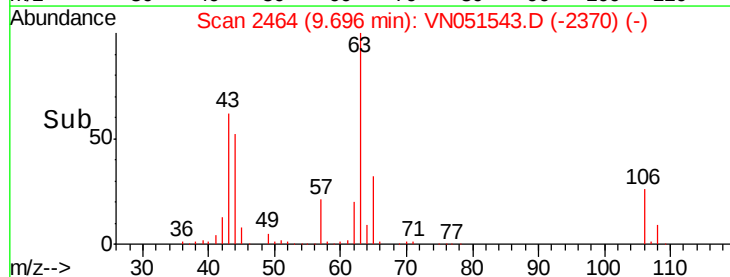
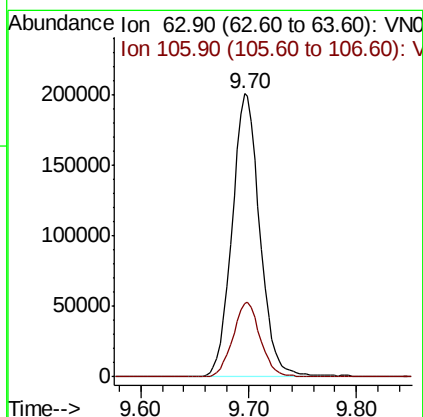
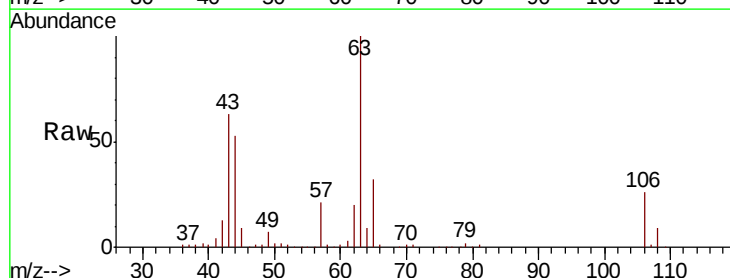
Acq: 26 Sep 2018 18:43

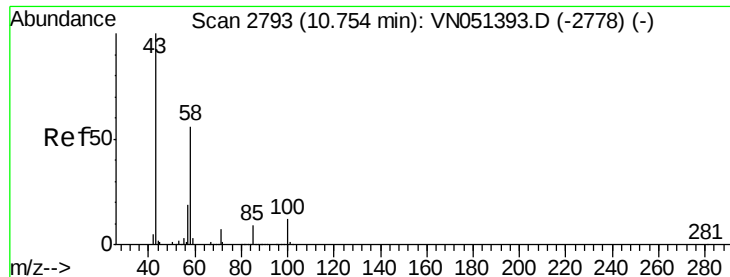
Tgt Ion: 63 Resp: 361406

Ion Ratio Lower Upper

63 100

106 25.9 21.4 32.2





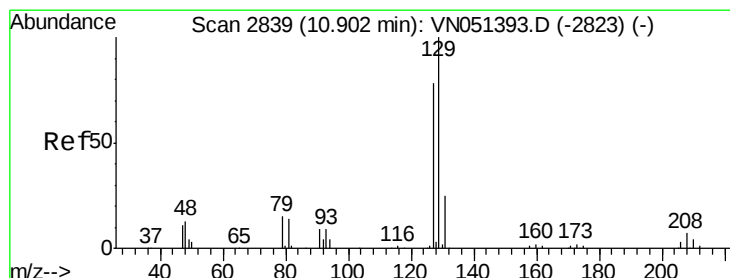
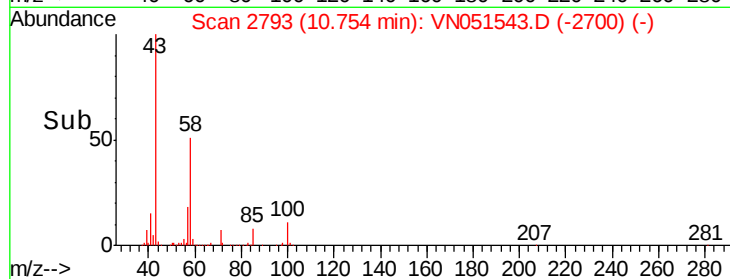
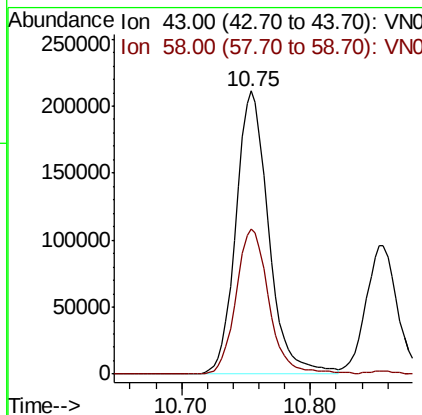
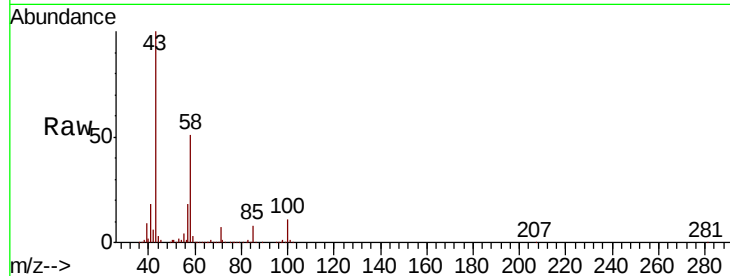
#59
2-Hexanone
Concen: 116.155 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 43 Resp: 370183
Ion Ratio Lower Upper
43 100
58 51.9 27.7 83.0

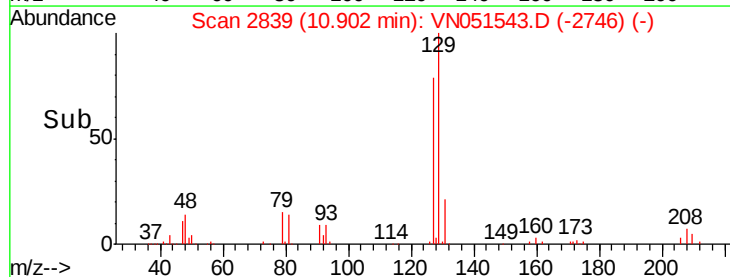
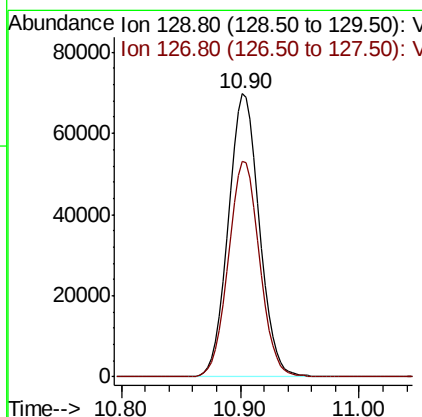
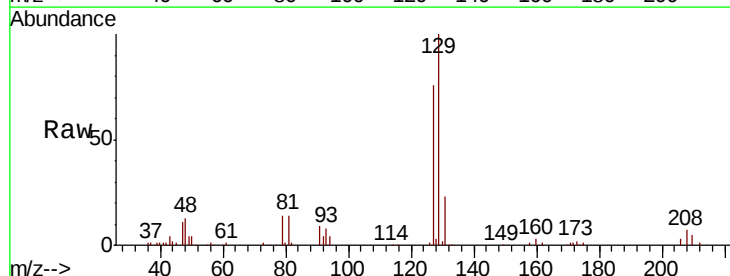
Manual Integrations
APPROVED

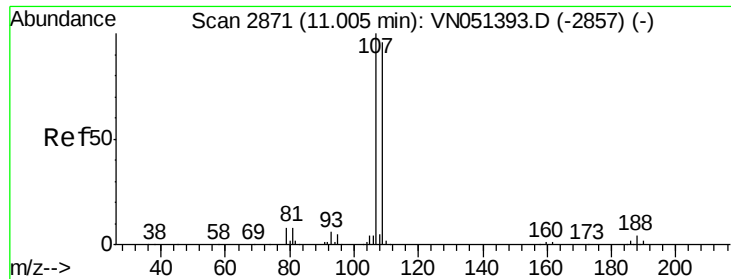
MMDadoda
9/27/2018 3:18:43 PM



#60
Dibromochloromethane
Concen: 19.280 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 129 Resp: 126131
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





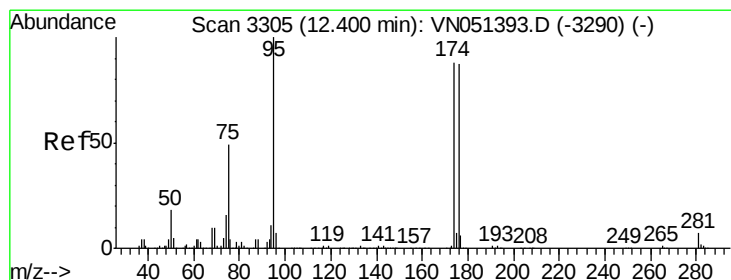
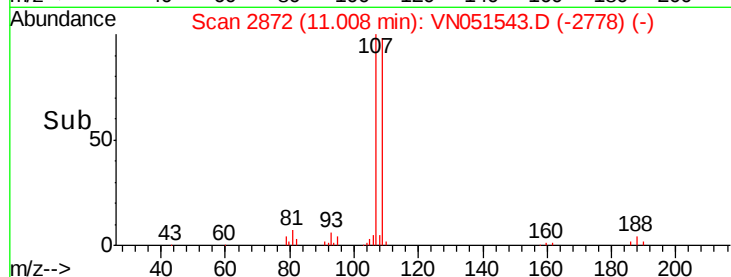
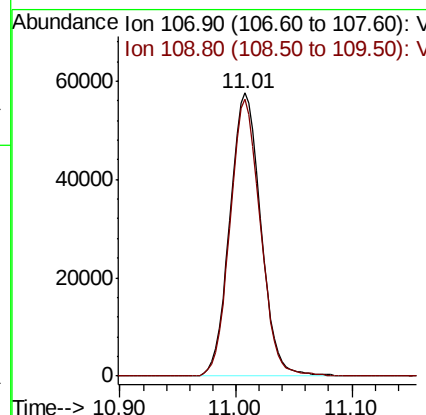
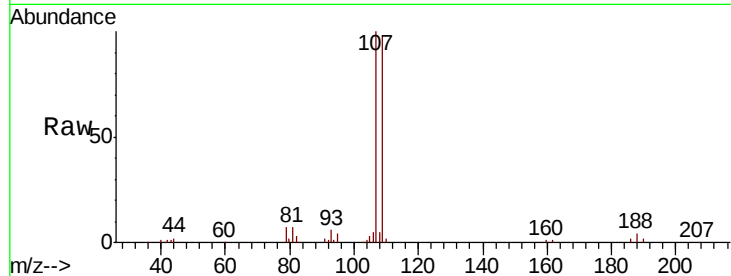
#61
 1,2-Dibromoethane
 Concen: 19.753 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.3	114.5

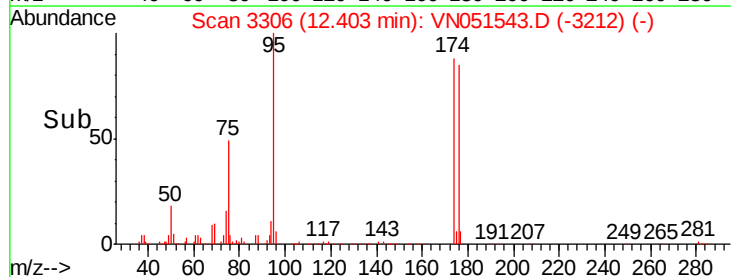
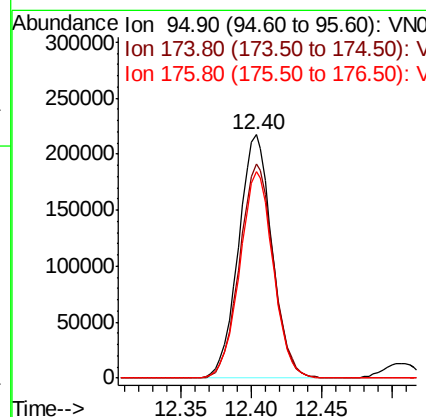
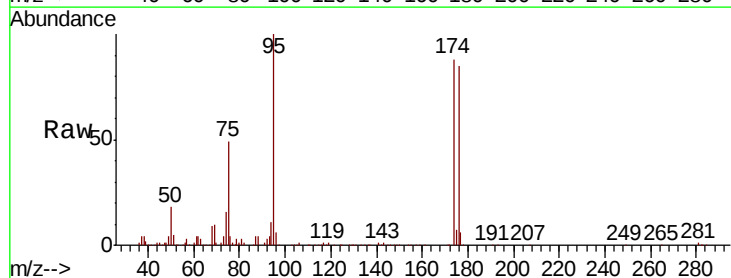
Manual Integrations
 APPROVED

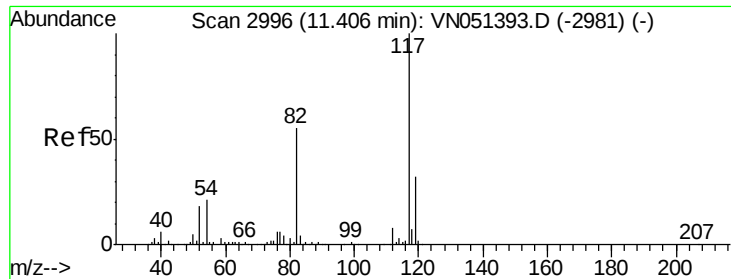
MMDadoda
 9/27/2018 3:18:43 PM



#62
 4-Bromofluorobenzene
 Concen: 49.983 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	181.6
176	84.5	0.0	176.4





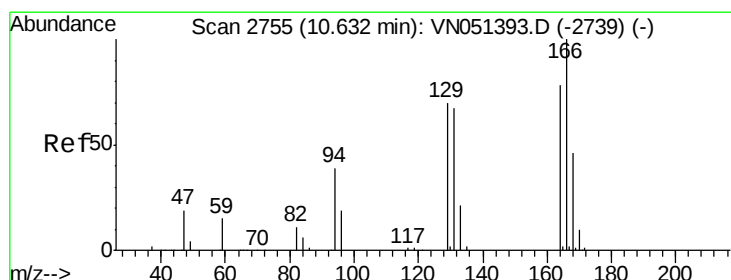
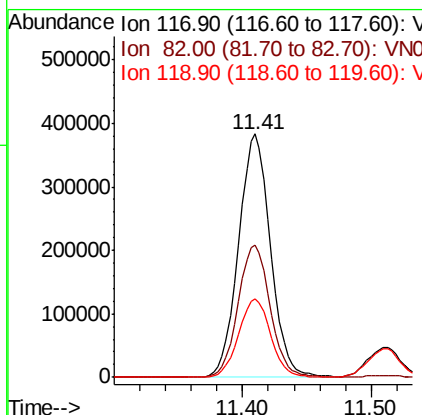
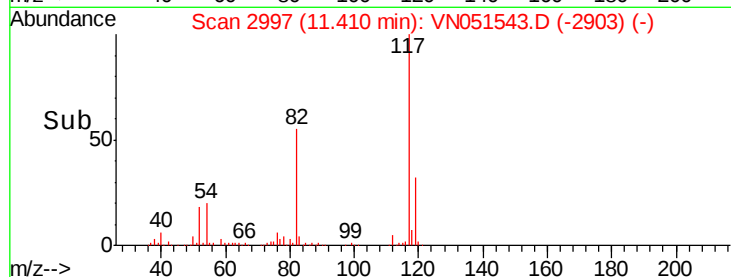
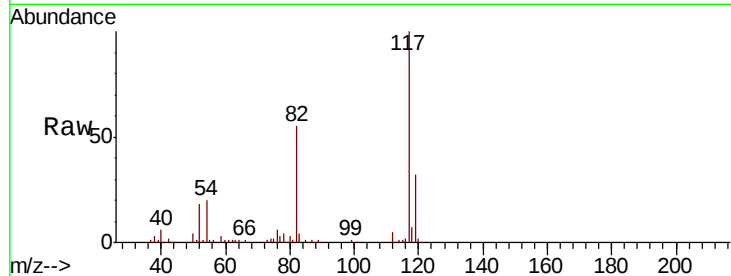
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.2	66.2
119	32.0	25.9	38.9

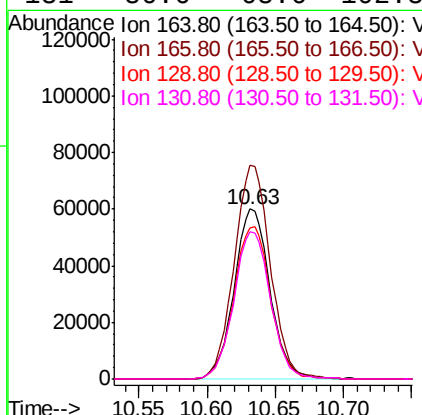
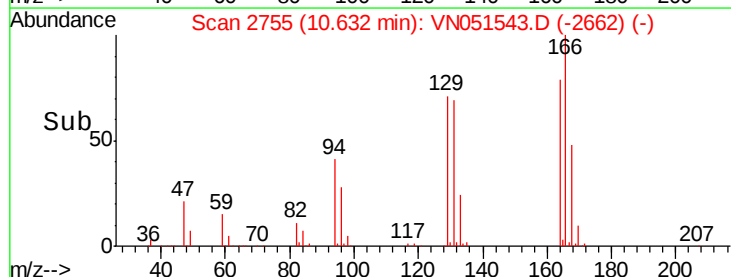
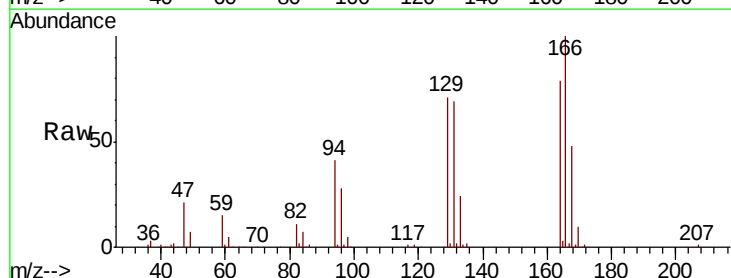
Manual Integrations
APPROVED

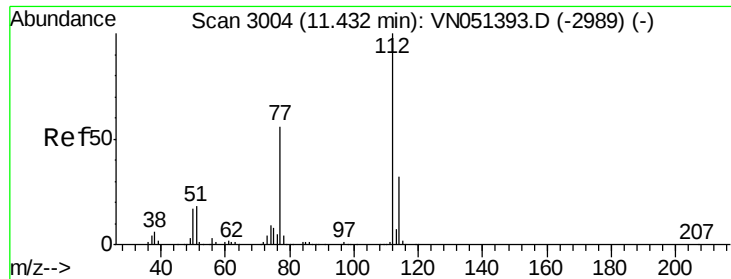
MMDadoda
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#64
Tetrachloroethene
Concen: 18.292 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.3	153.5
129	89.2	71.8	107.8
131	86.6	68.6	102.8





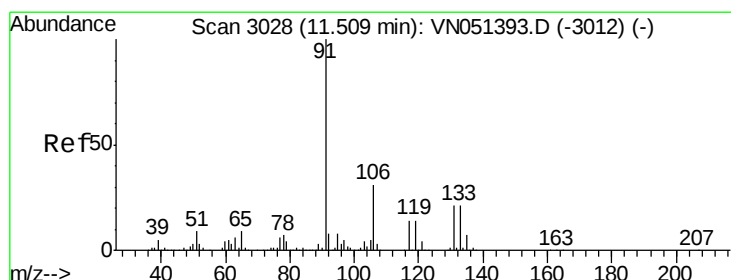
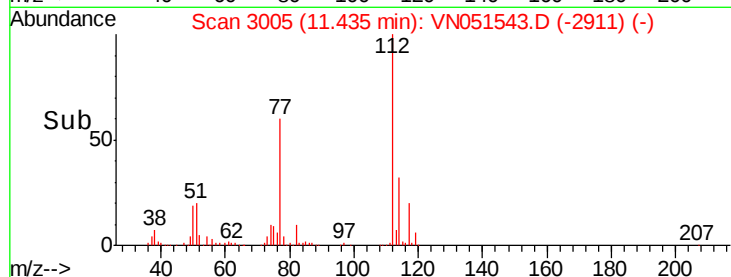
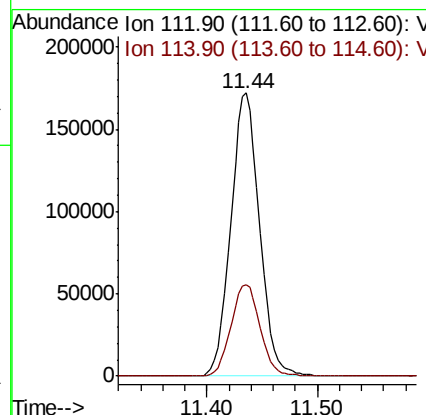
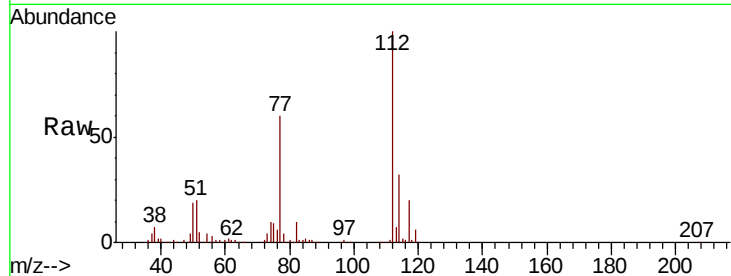
#65
Chlorobenzene
Concen: 18.283 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2

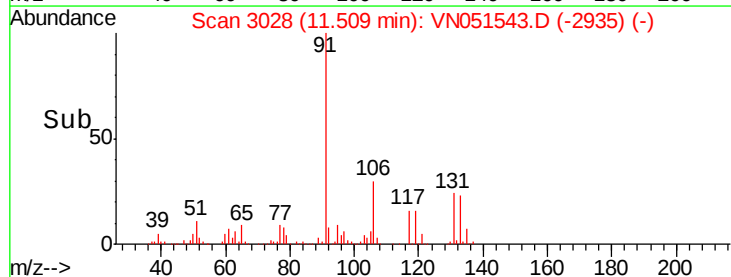
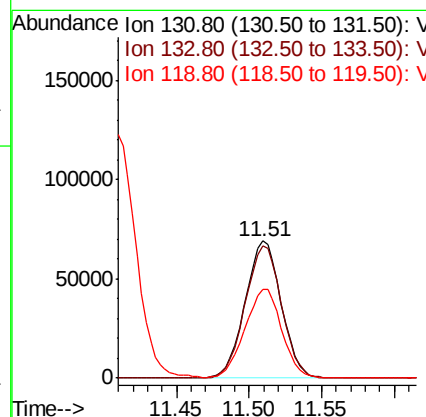
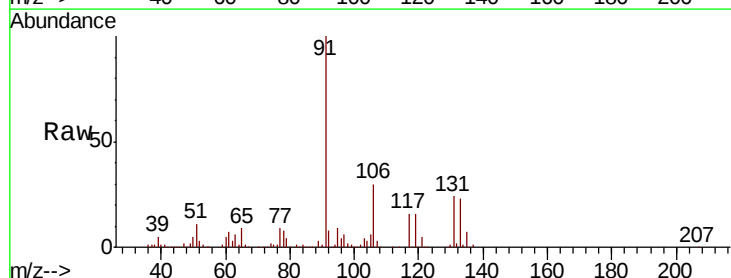
Manual Integrations
APPROVED

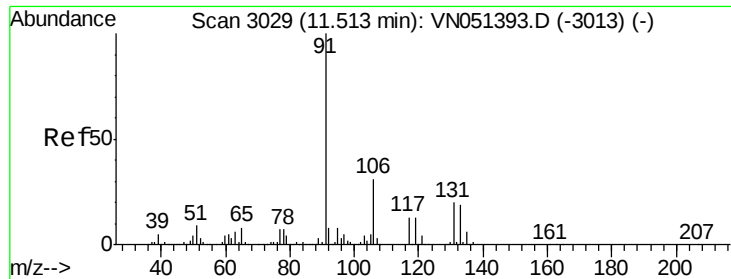
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.574 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.3	144.8
119	66.4	32.8	98.4





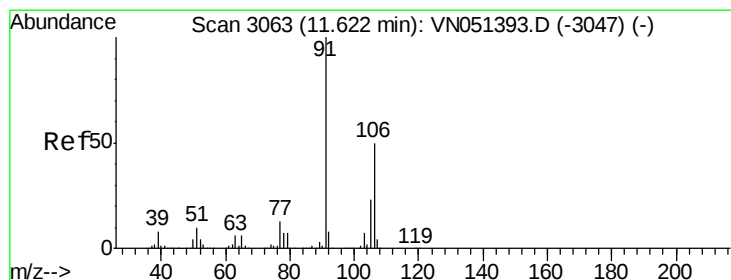
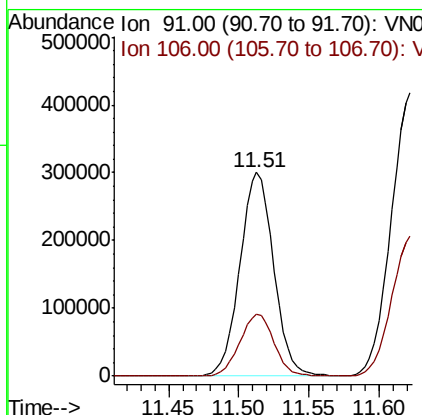
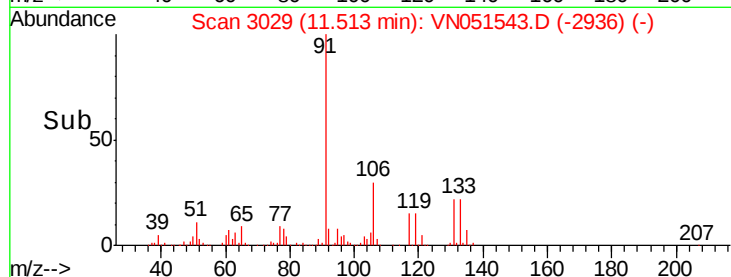
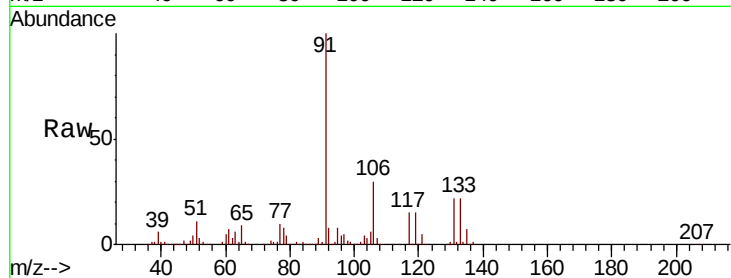
#67
Ethyl Benzene
Concen: 17.664 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 91 Resp: 503780
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4

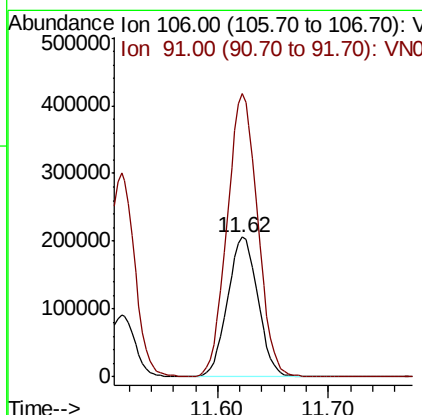
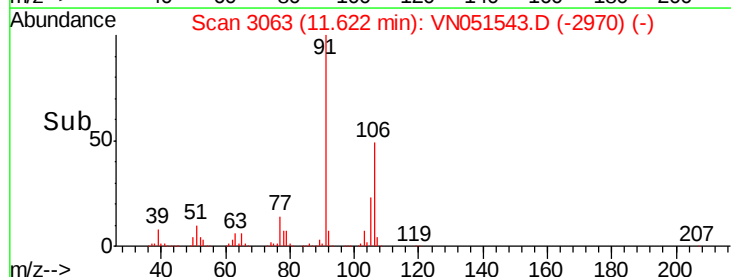
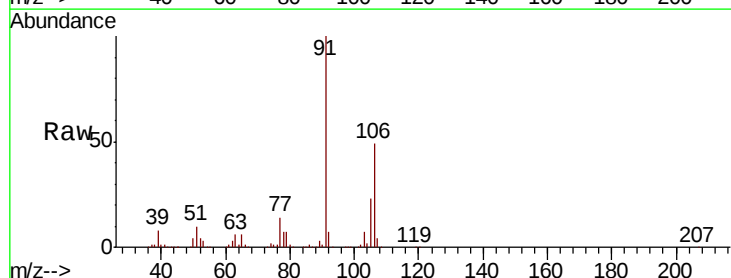
Manual Integrations
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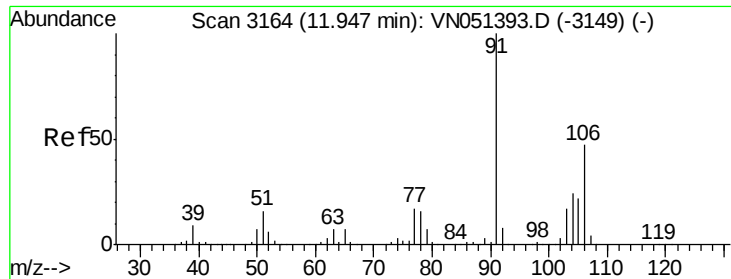
MMDadoda
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#68
m/p-Xylenes
Concen: 35.769 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion: 106 Resp: 394590
Ion Ratio Lower Upper
106 100
91 203.0 161.3 241.9





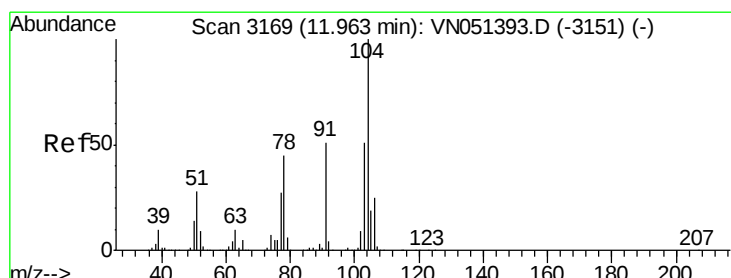
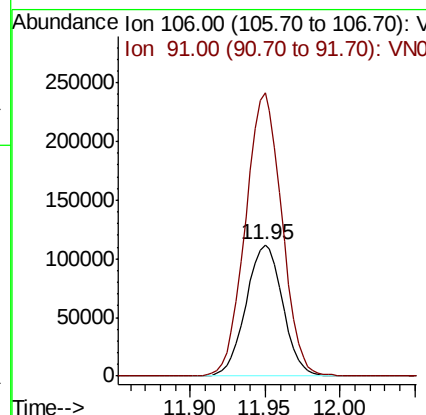
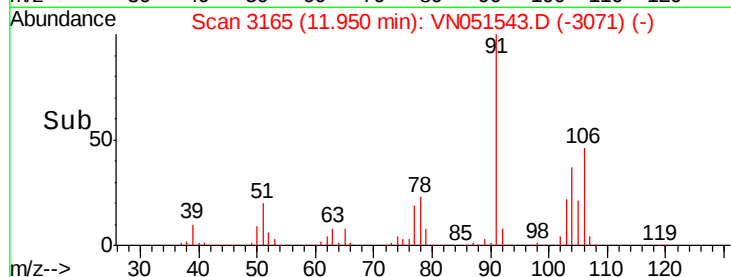
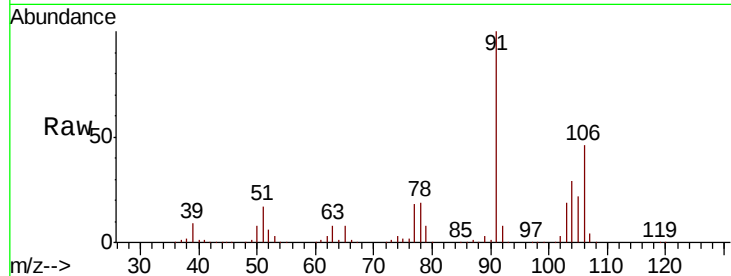
#69
o-Xylene
Concen: 17.973 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		190610		
91	214.6	105.3	315.9		

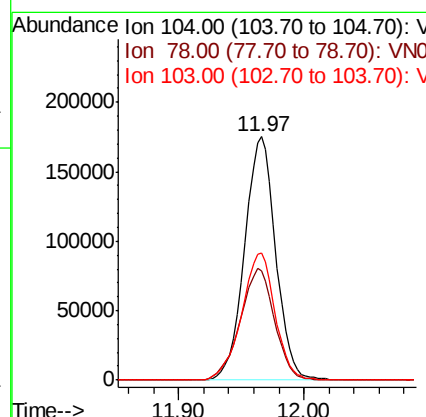
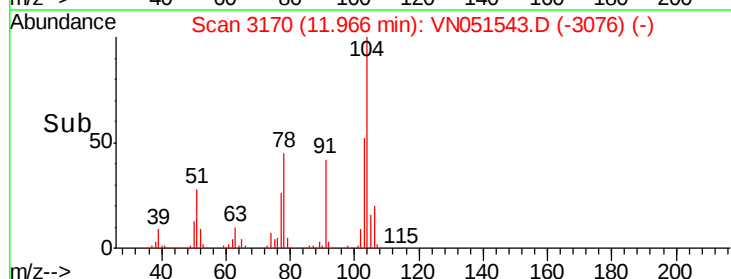
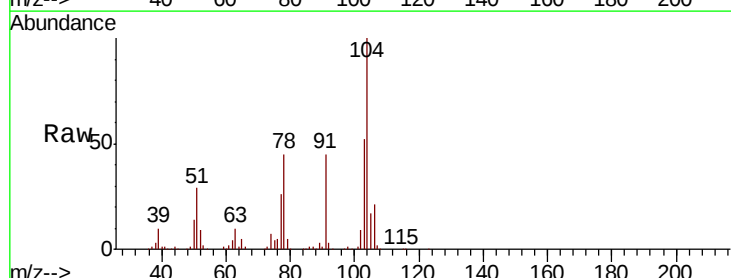
Manual Integrations
APPROVED

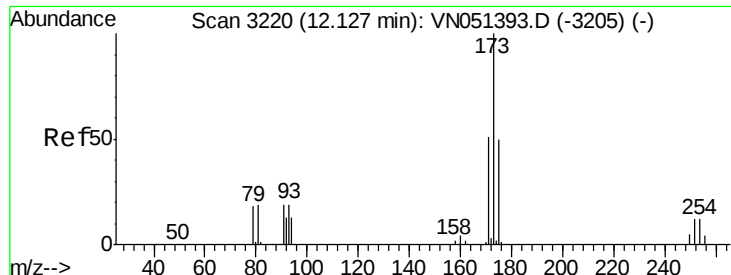
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#70
Styrene
Concen: 17.972 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		302013		
78	50.5	39.9	59.9		
103	56.0	44.6	66.8		





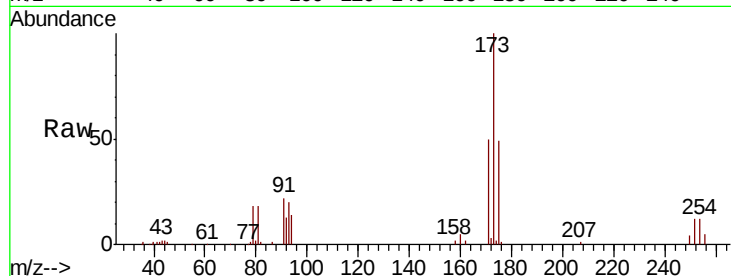
#71
Bromoform
Concen: 19.678 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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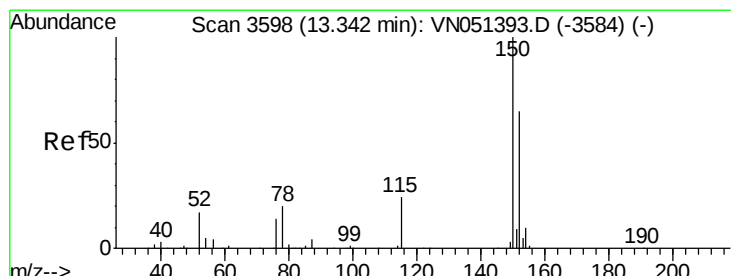
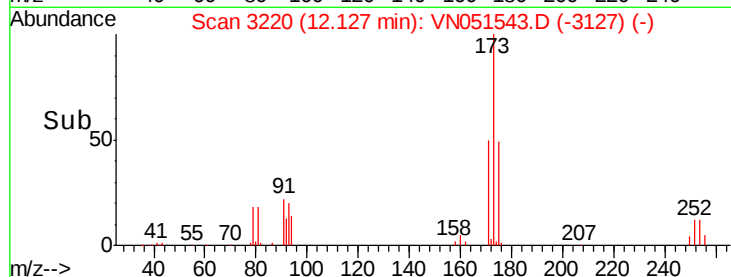
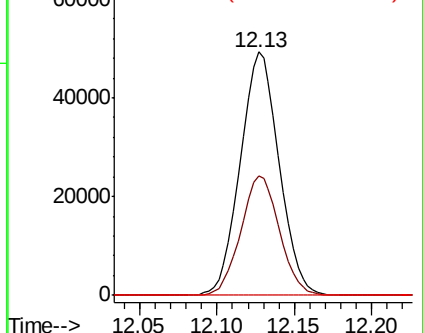


Abundance

Ion 172.70 (172.40 to 173.40): V

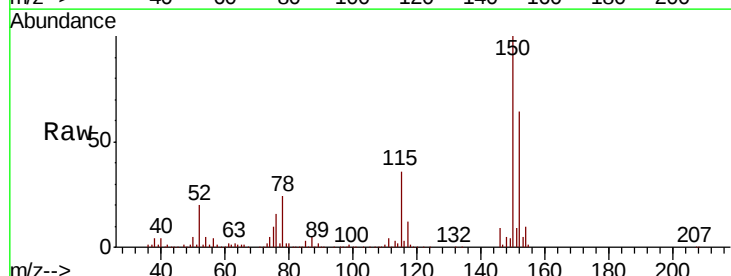
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	163.6	0.0	353.6

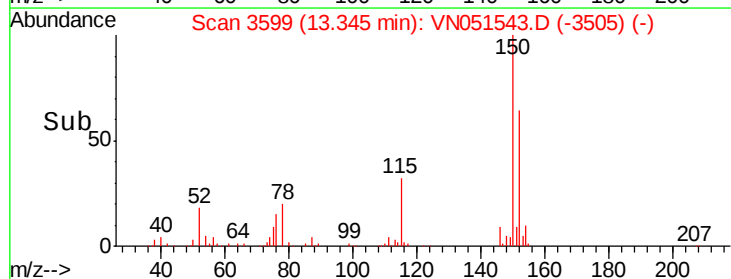
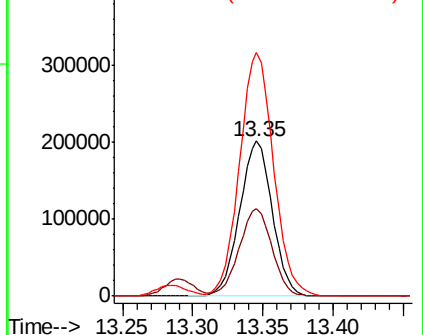


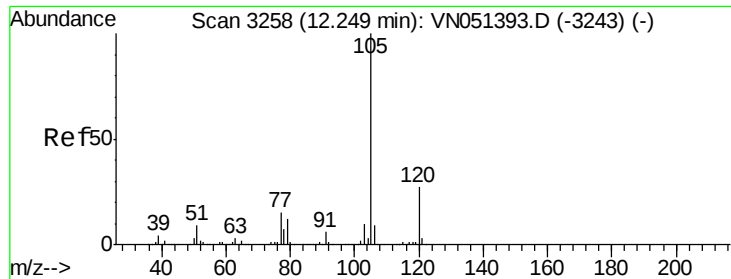
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.405 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 105 Resp: 507092

Ion Ratio Lower Upper

105 100

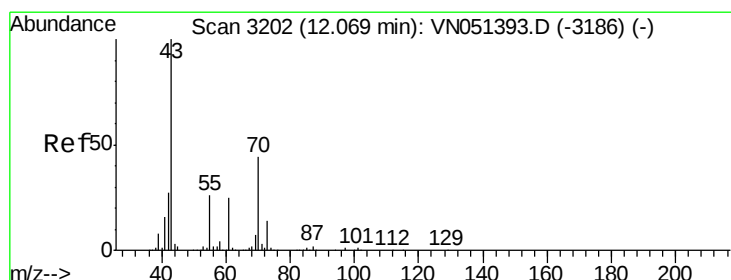
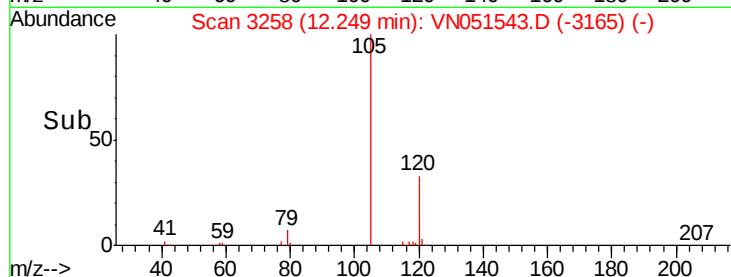
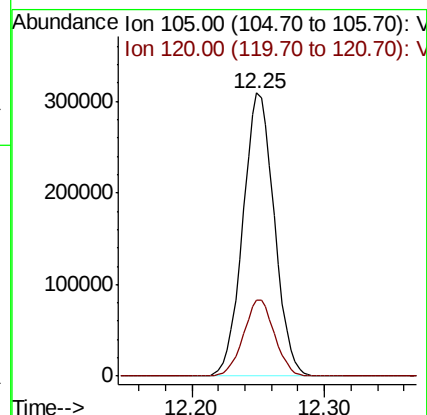
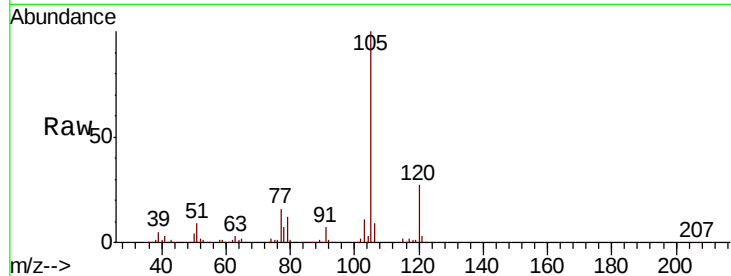
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.257 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion: 43 Resp: 153862

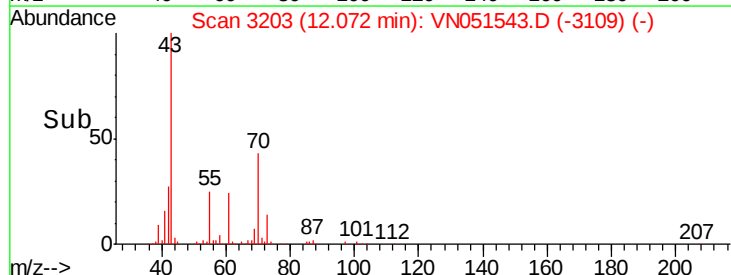
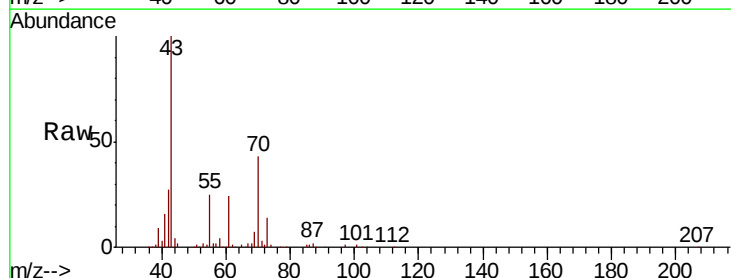
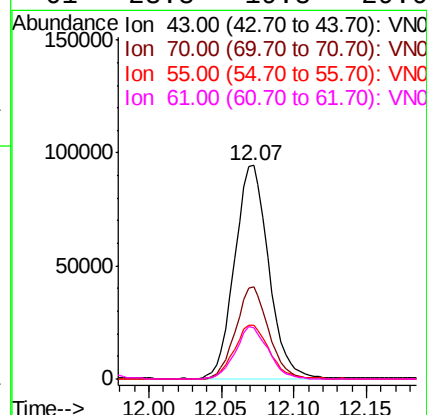
Ion Ratio Lower Upper

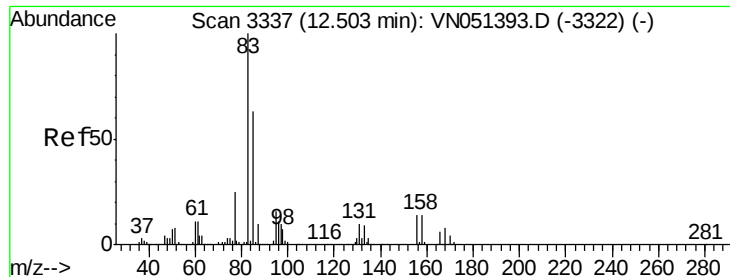
43 100

70 41.7 35.0 52.4

55 26.2 21.4 32.2

61 23.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.945 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

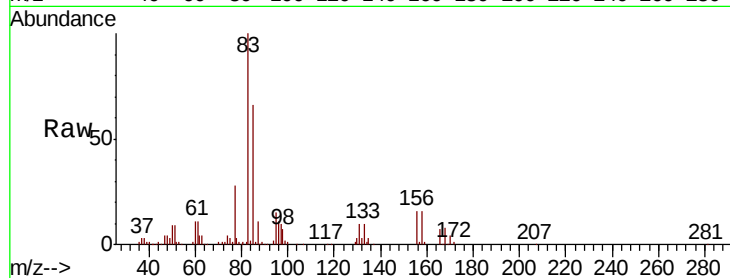
ClientSampleId :

VN0927WBSD01

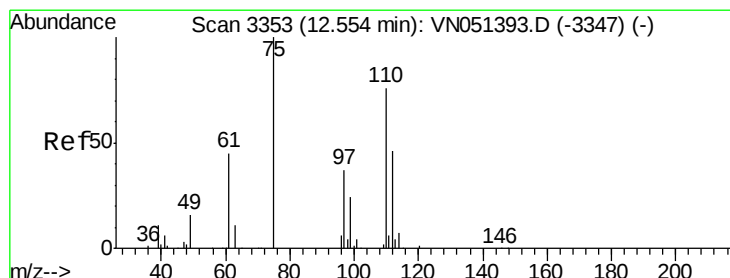
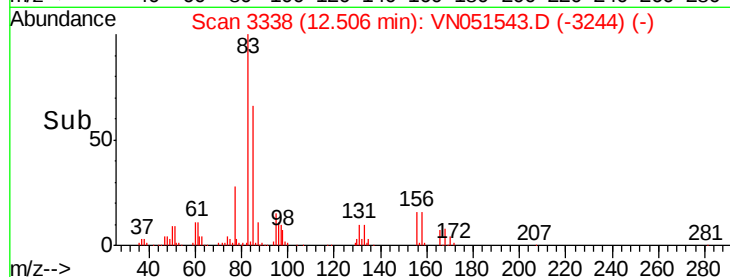
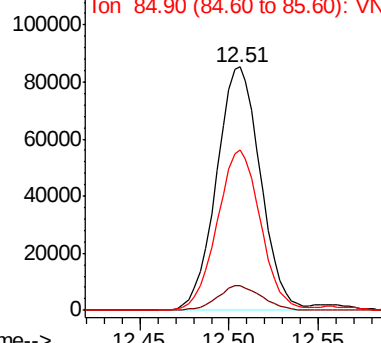
Tot Ion:	83	Resp:	147420
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	64.9	31.6	95.0

Manual Integrations
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9/27/2018 3:18:43 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 23.144 ug/l m

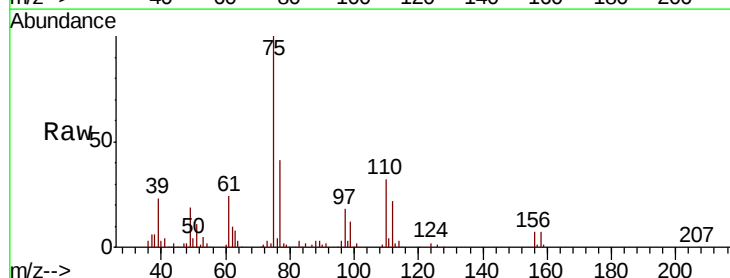
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

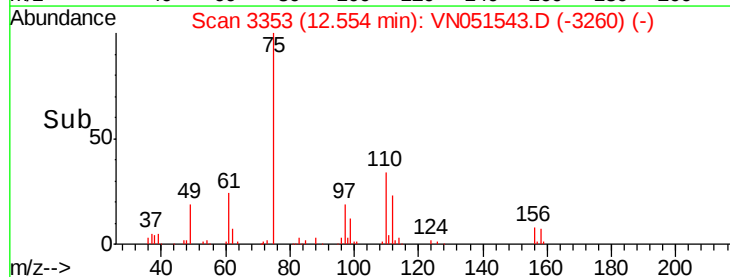
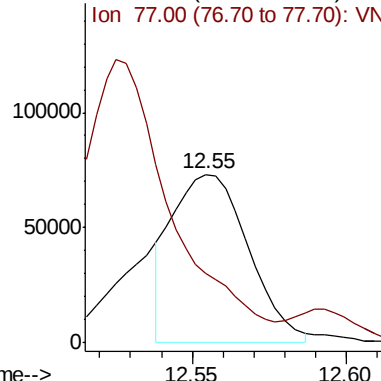
Lab File: VN051543.D

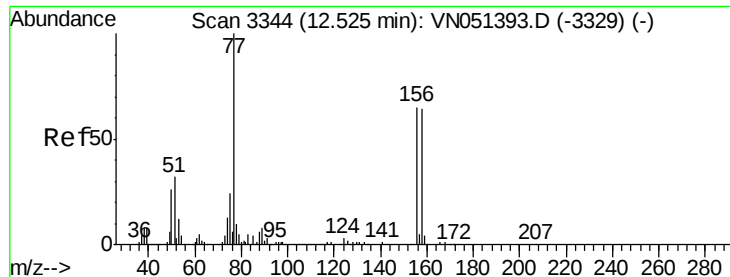
Acq: 26 Sep 2018 18:43

Tgt Ion:	75	Resp:	125463
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3347) (-)





#77

Bromobenzene

Concen: 18.558 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

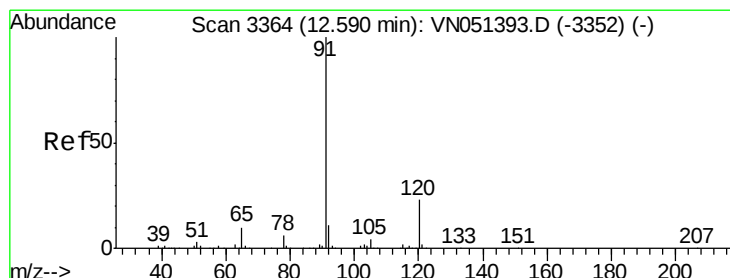
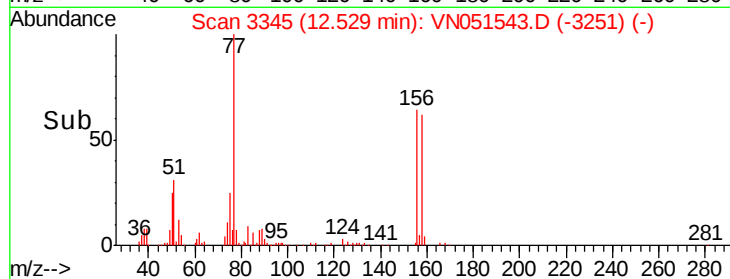
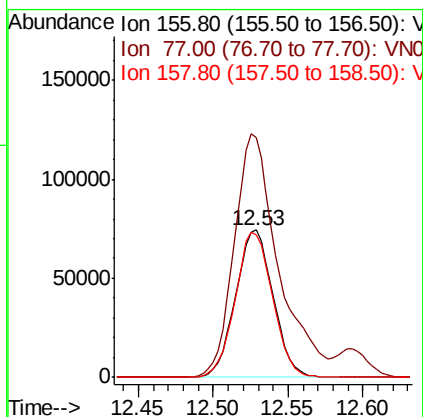
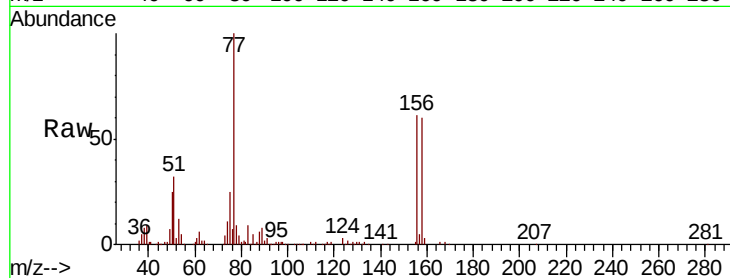
ClientSampleId :

VN0927WBSD01

Tot Ion:	156	Resp:	129442
Ion Ratio	Lower	Upper	
156	100		
77	195.0	89.5	268.4
158	98.2	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.527 ug/l

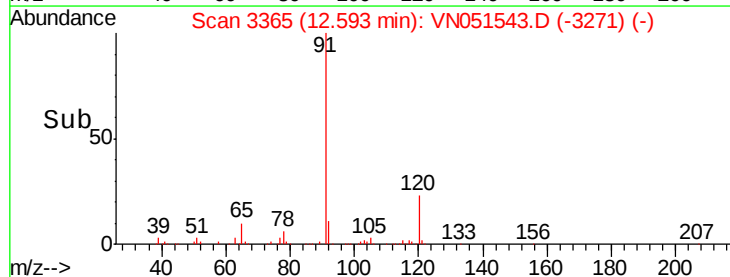
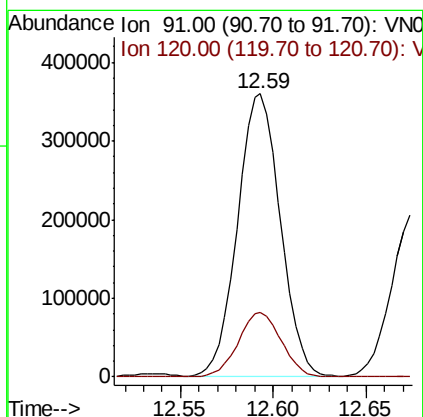
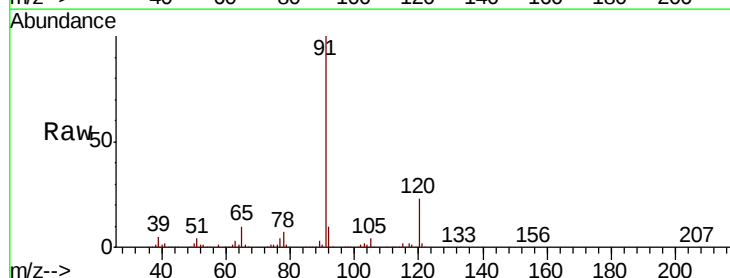
RT: 12.59 min Scan# 3365

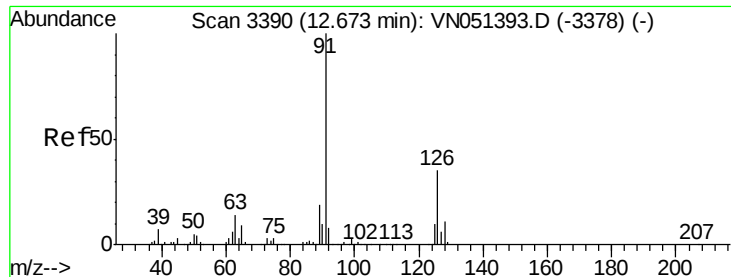
Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Tgt Ion:	91	Resp:	575303
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.044 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 91 Resp: 353986

Ion Ratio Lower Upper

91 100

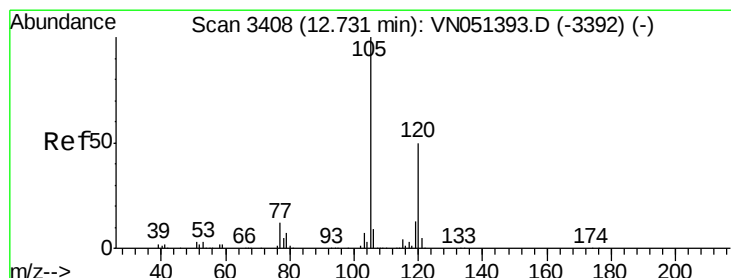
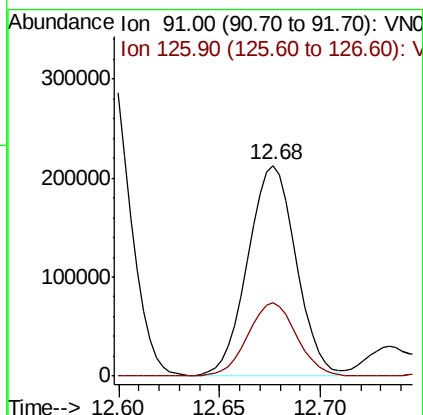
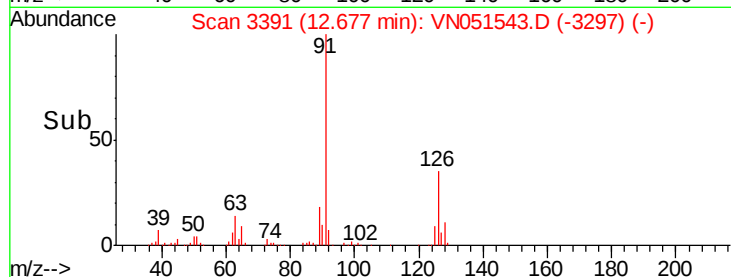
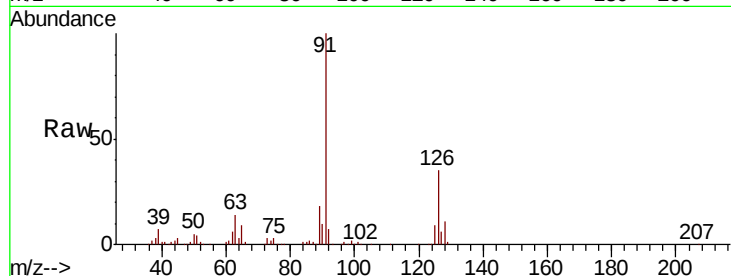
126 35.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.754 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051543.D

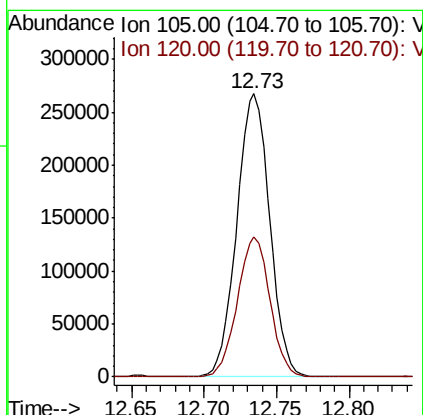
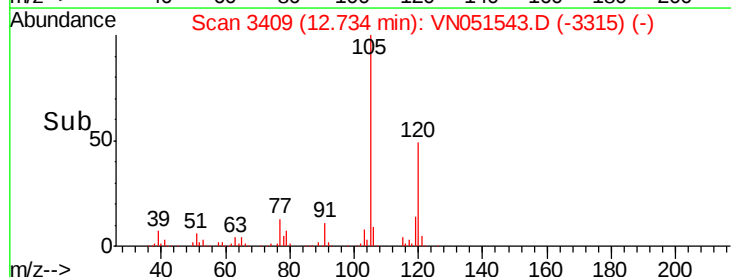
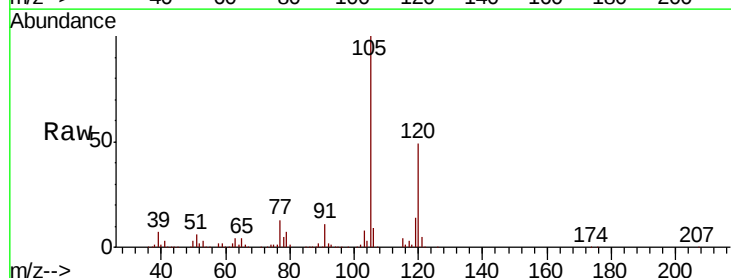
Acq: 26 Sep 2018 18:43

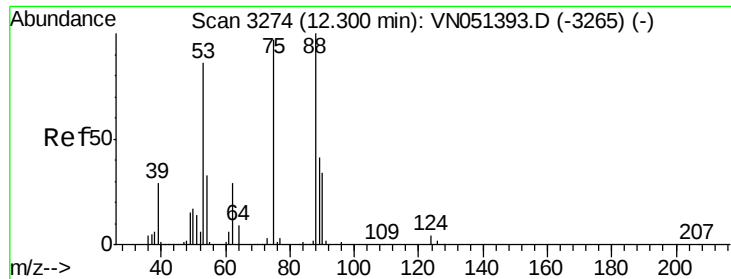
Tgt Ion: 105 Resp: 421339

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.409 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 75 Resp: 35980

Ion Ratio Lower Upper

75 100

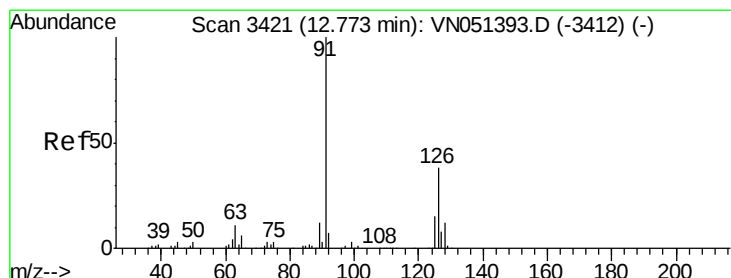
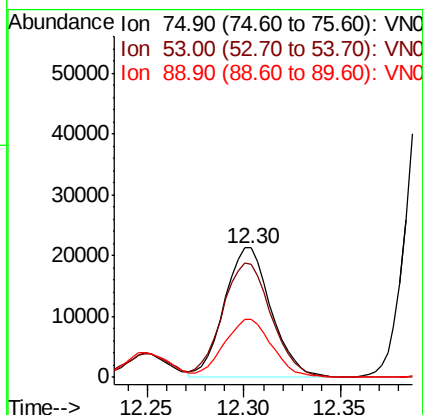
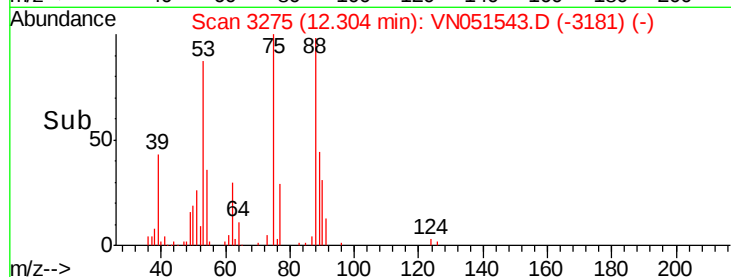
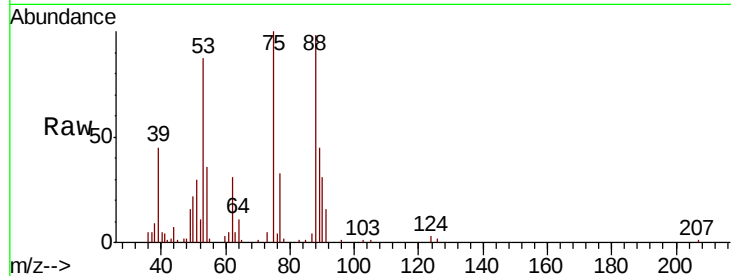
53 92.6 73.9 110.9

89 45.6 36.7 55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.018 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051543.D

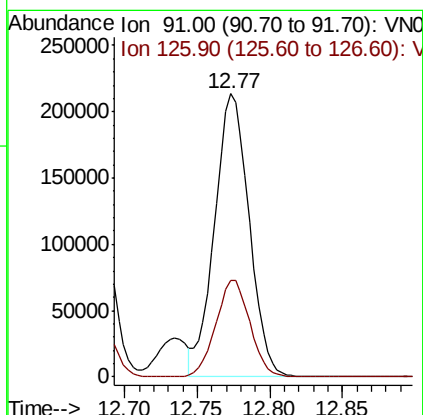
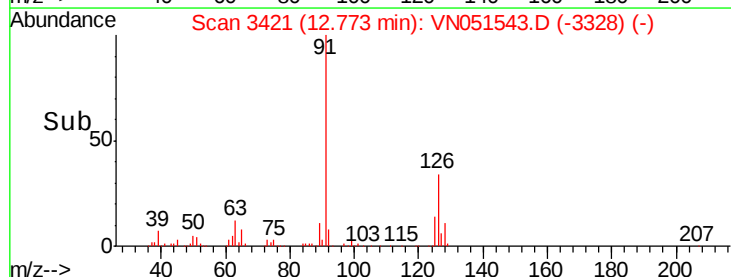
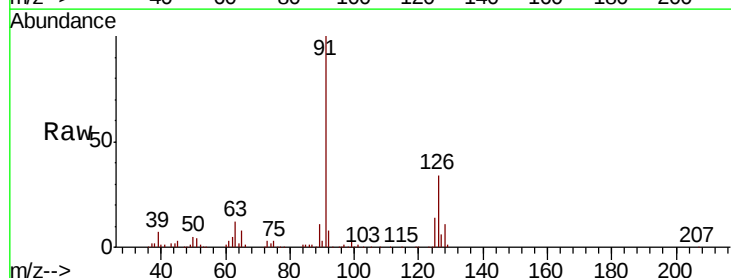
Acq: 26 Sep 2018 18:43

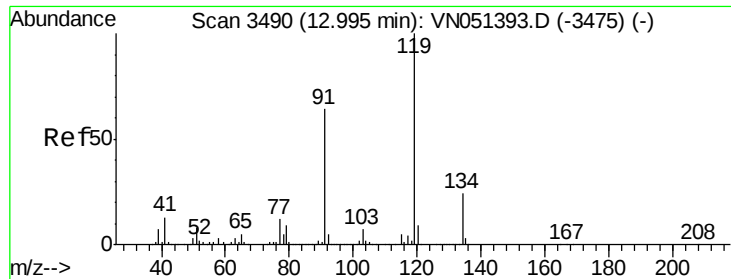
Tgt Ion: 91 Resp: 352820

Ion Ratio Lower Upper

91 100

126 33.7 17.5 52.5





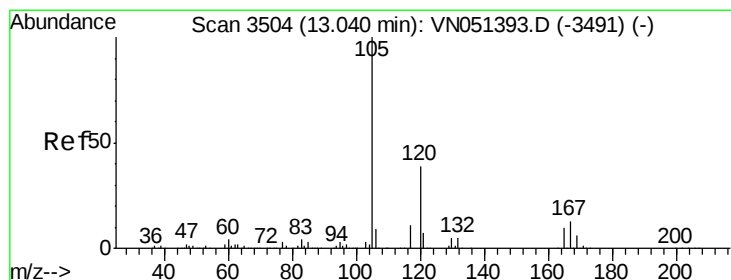
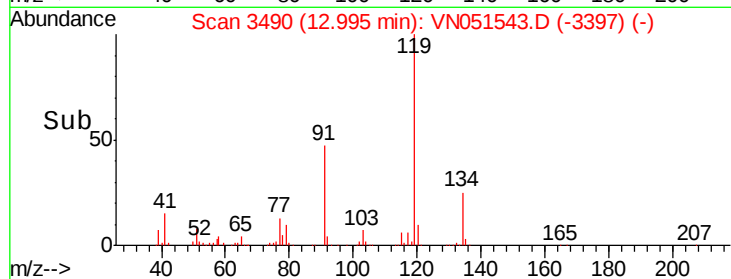
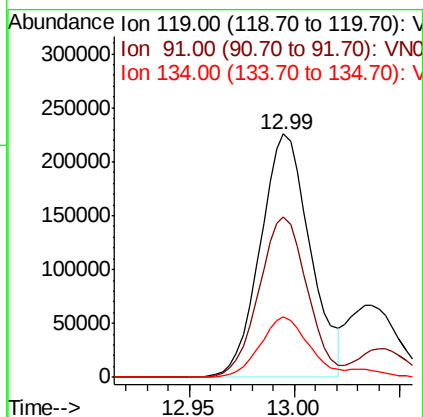
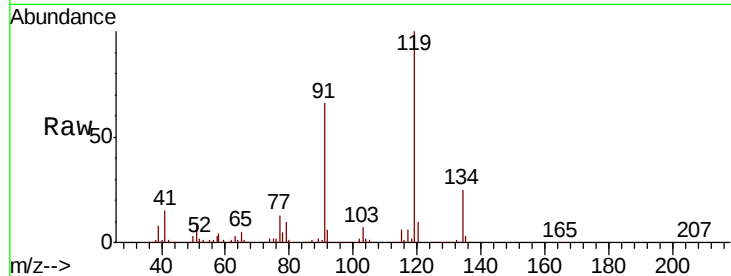
#83
 tert-Butylbenzene
 Concen: 18.580 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	371546		
91	64.4	31.7	95.1	
134	24.5	12.3	36.9	

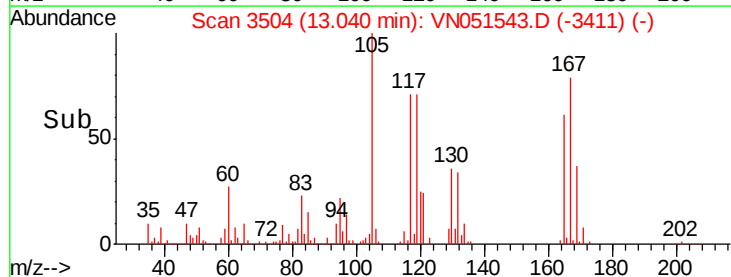
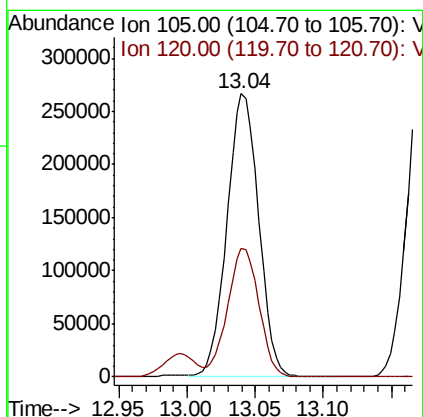
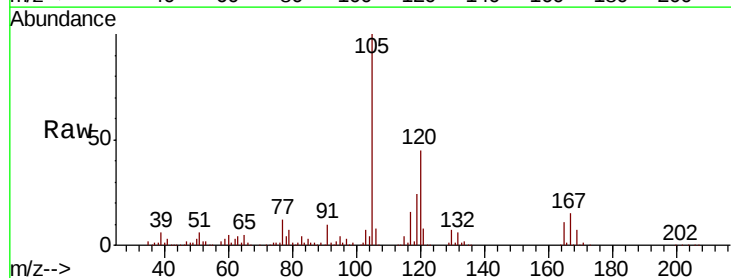
Manual Integrations
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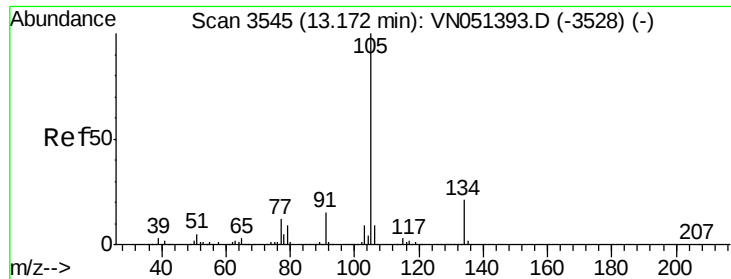
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.045 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	431148		
120	45.2	22.9	68.7	





#85

sec-Butylbenzene

Concen: 18.650 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion:105 Resp: 504524

Ion Ratio Lower Upper

105 100

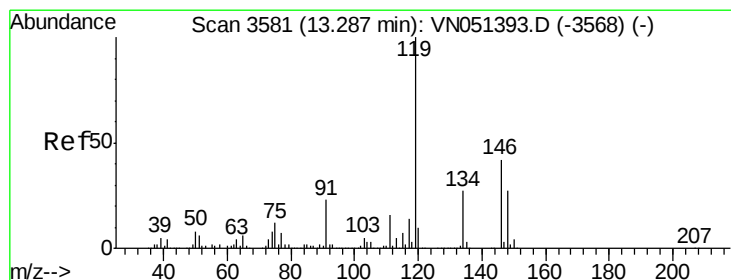
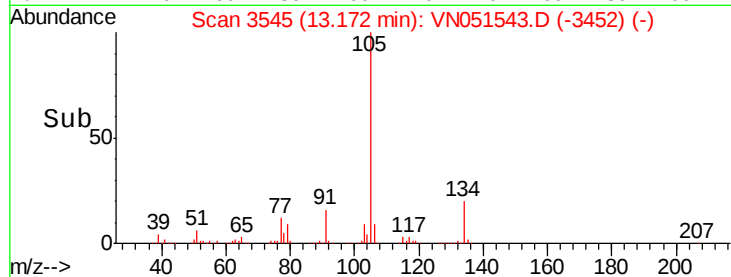
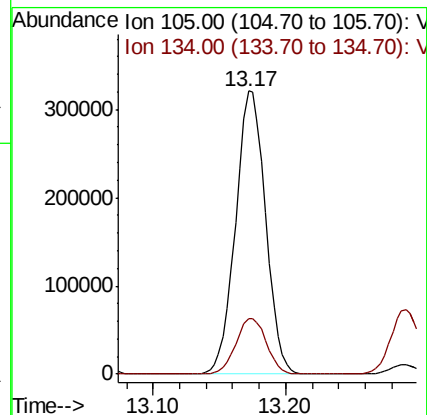
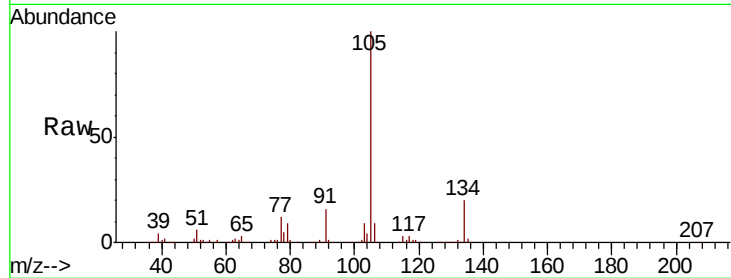
134 20.2 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.008 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051543.D

Acq: 26 Sep 2018 18:43

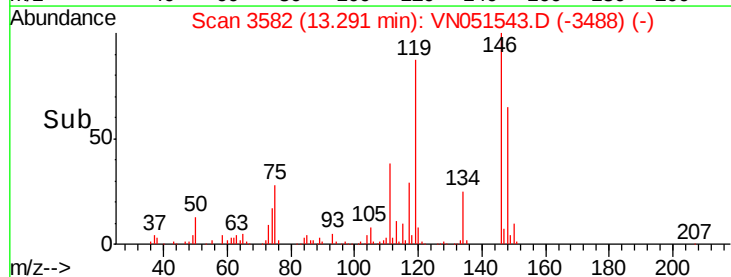
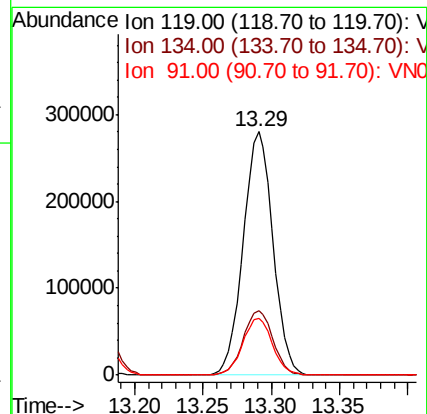
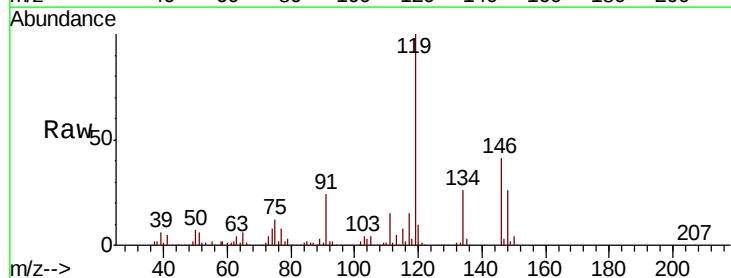
Tgt Ion:119 Resp: 421530

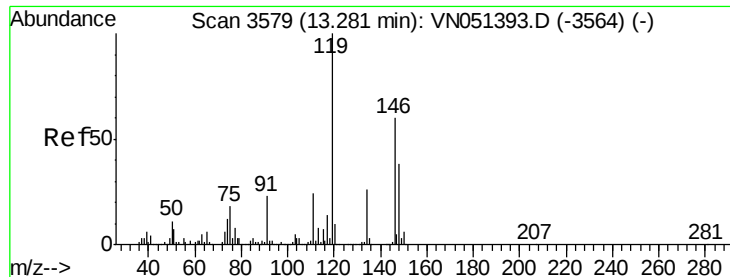
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.3 11.4 34.2





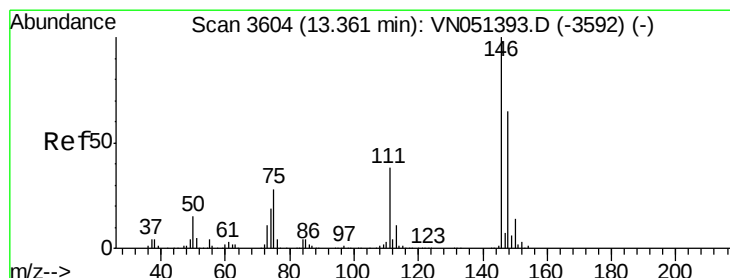
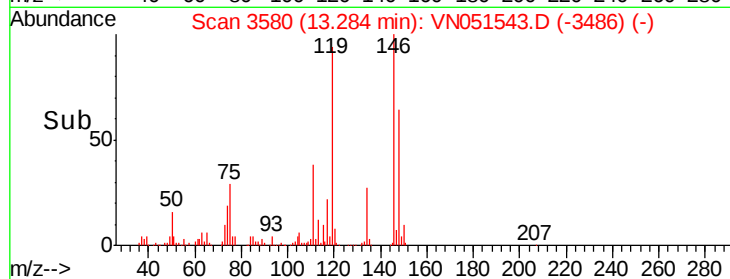
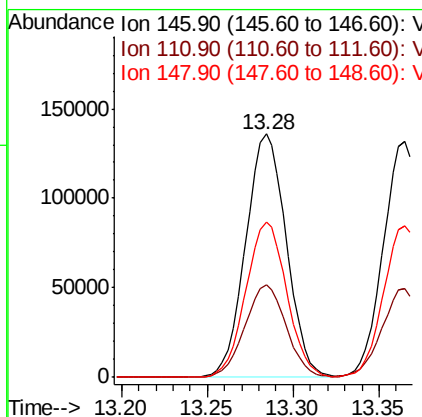
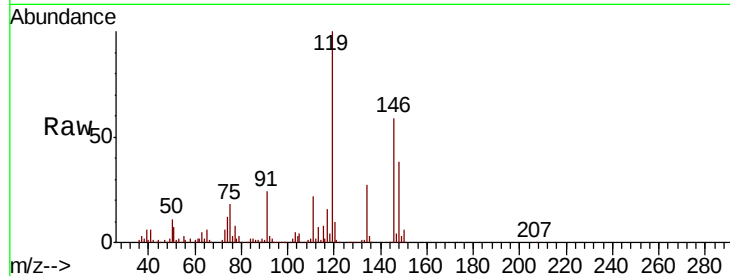
#87
 1,3-Dichlorobenzene
 Concen: 18.472 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.3	31.9	95.7

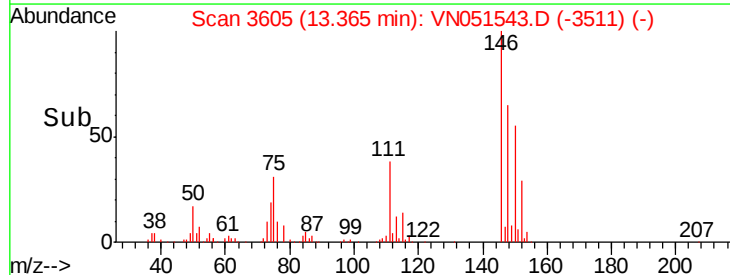
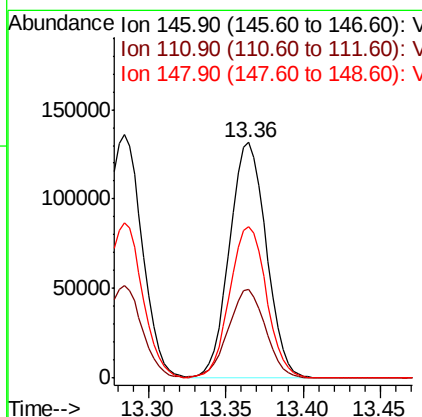
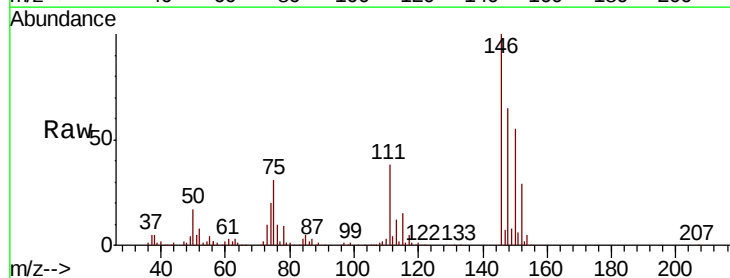
Manual Integrations
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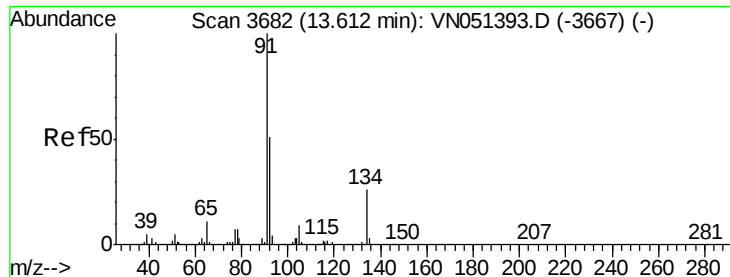
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#88
 1,4-Dichlorobenzene
 Concen: 18.737 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.2	32.5	97.5





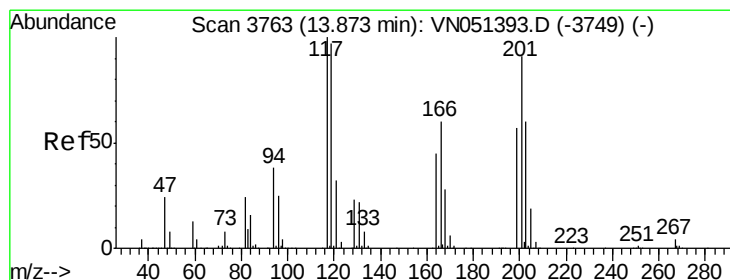
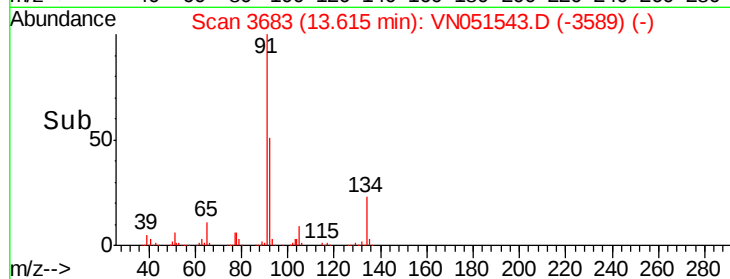
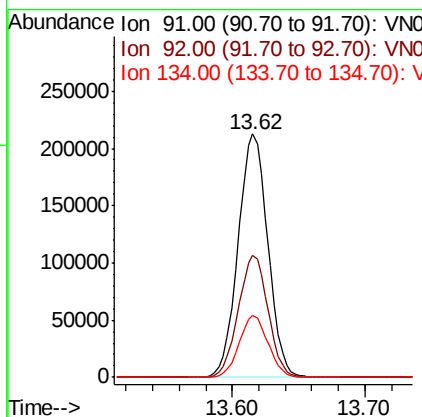
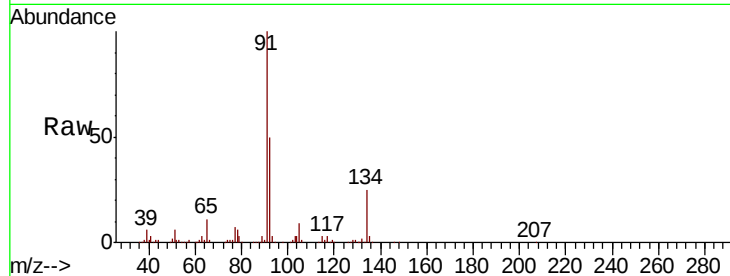
#89
n-Butylbenzene
Concen: 17.186 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.5	76.5
134	24.6	13.3	39.8

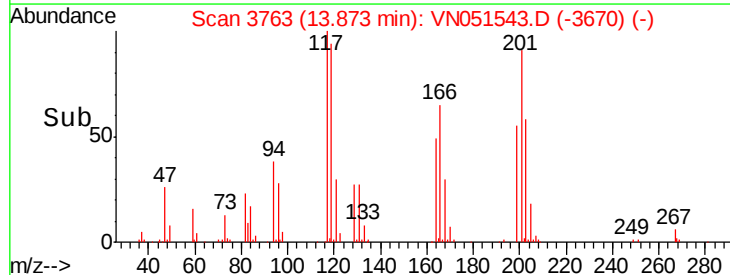
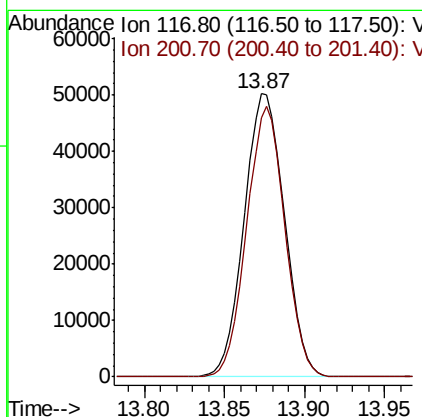
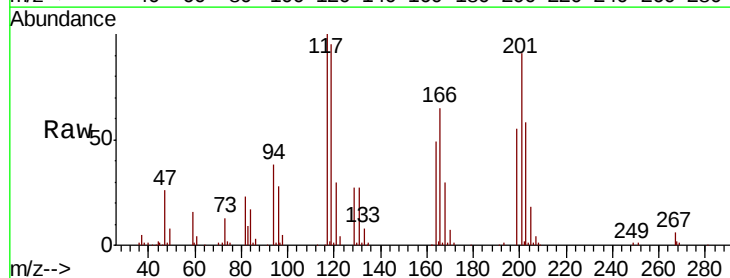
Manual Integrations
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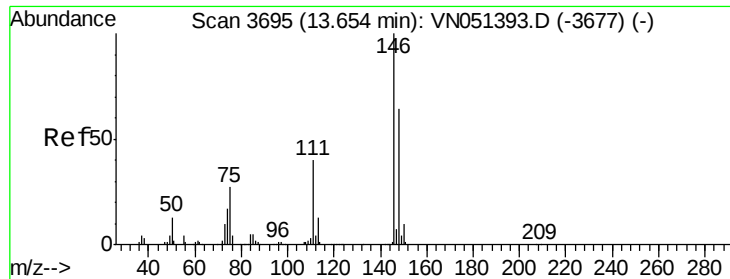
MMDadoda
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#90
Hexachloroethane
Concen: 18.544 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.5	136.4





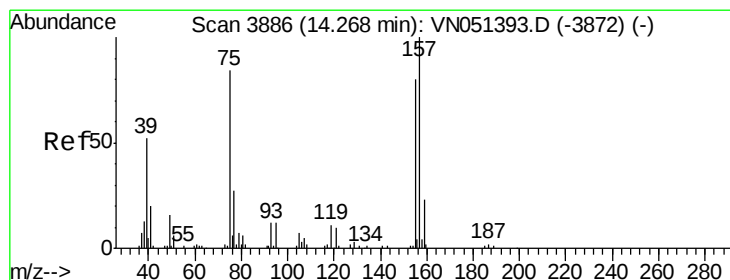
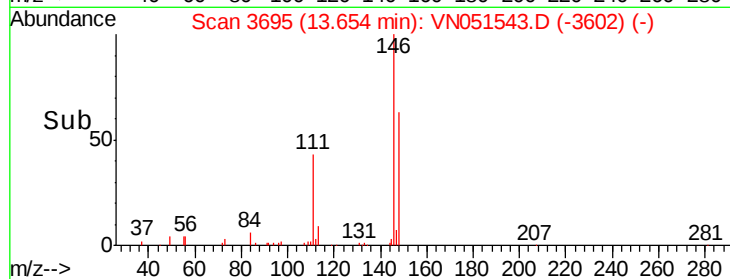
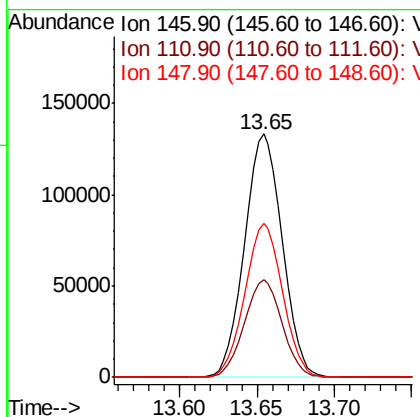
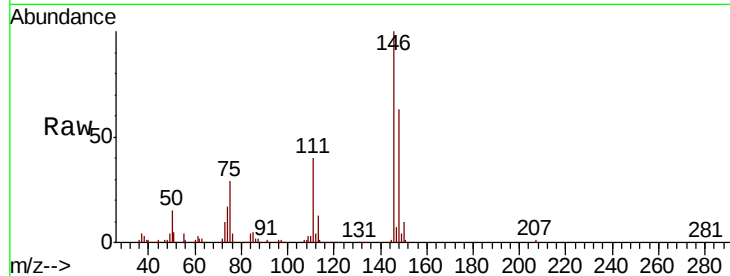
#91
 1,2-Dichlorobenzene
 Concen: 19.331 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.2	32.1	96.5

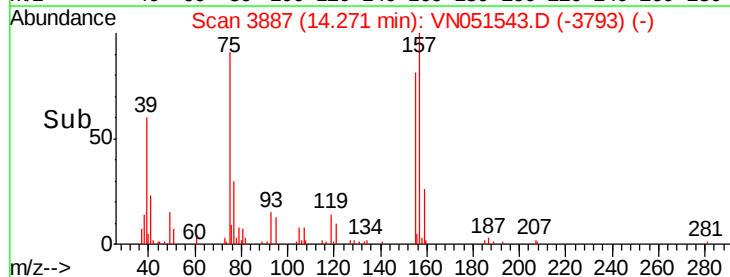
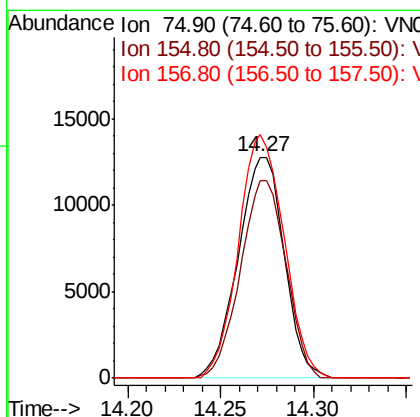
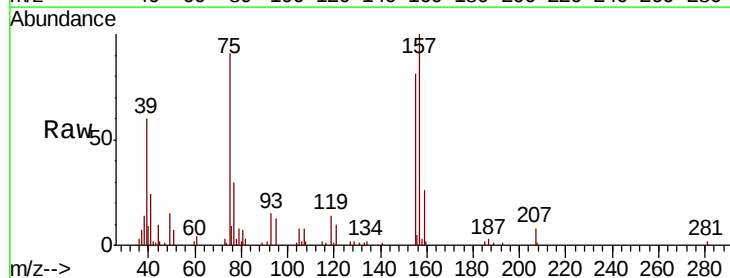
Manual Integrations
 APPROVED

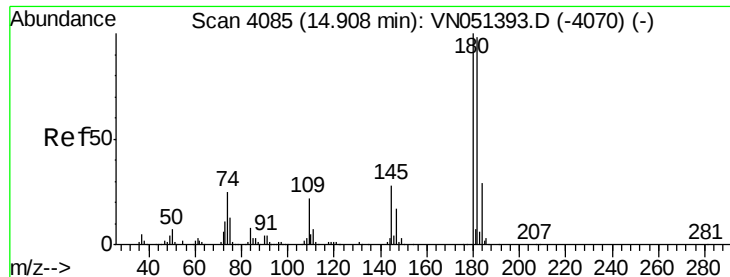
MMDadoda
 9/27/2018 3:18:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.115 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	46.9	140.6
157	109.0	58.4	175.1





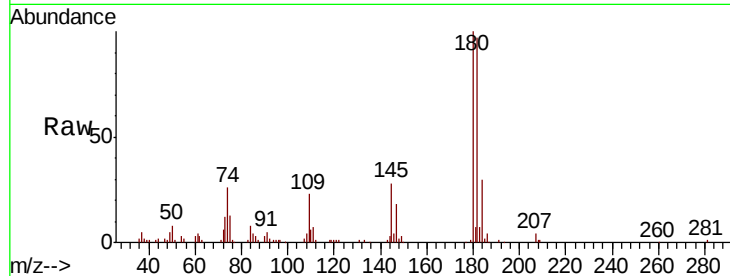
#93
 1,2,4-Trichlorobenzene
 Concen: 18.793 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

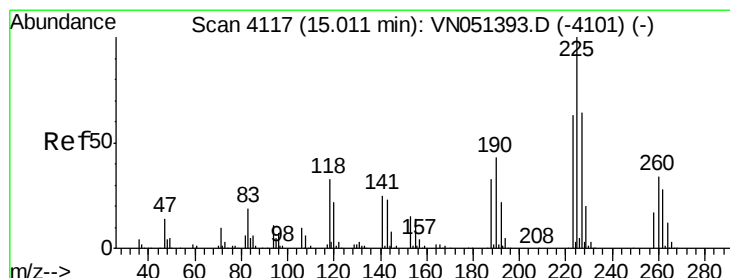
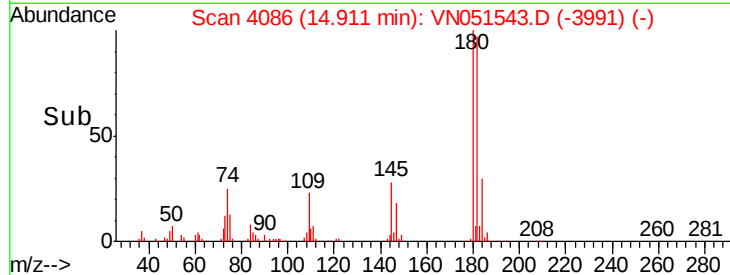
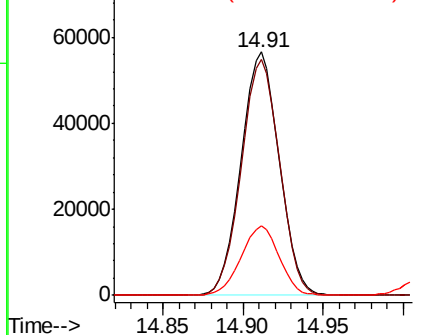
Tot Ion	Ratio	Resp	Lower	Upper
180	100	91881		
182	96.7	48.5	145.6	
145	28.5	14.1	42.4	

Manual Integrations
 APPROVED

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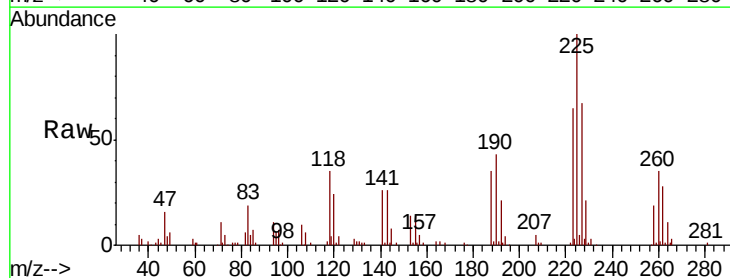


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

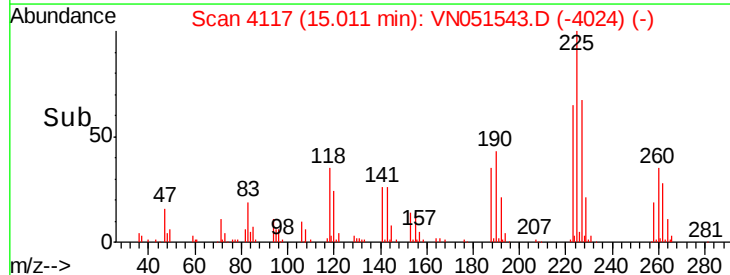
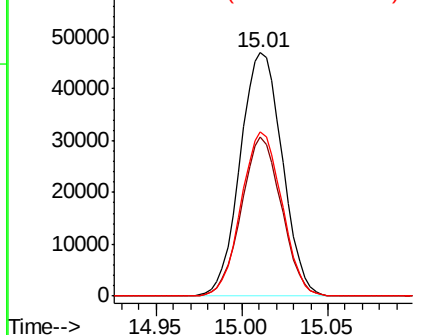


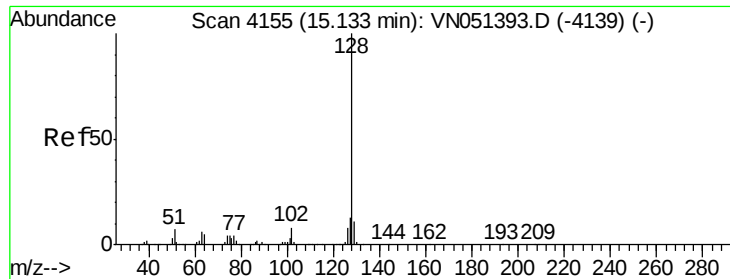
#94
 Hexachlorobutadiene
 Concen: 18.064 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051543.D
 Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80040		
223	62.2	31.9	95.9	
227	65.1	32.5	97.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





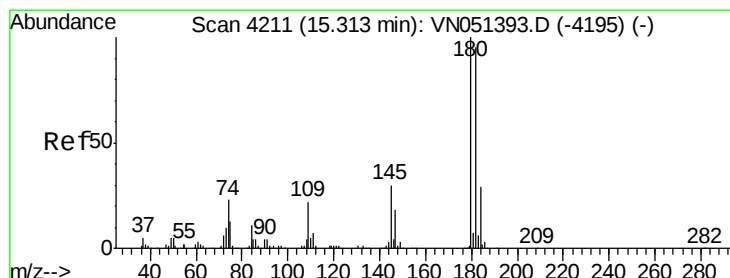
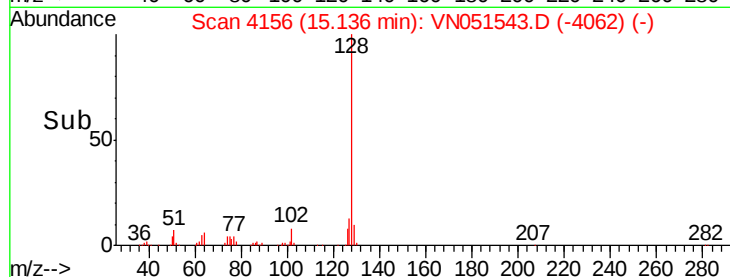
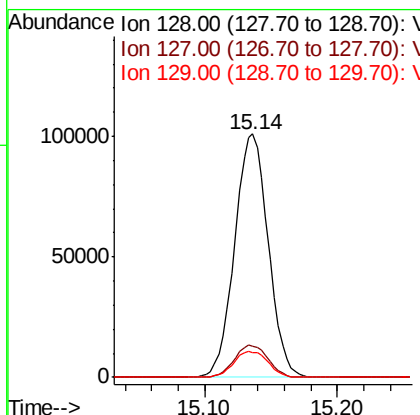
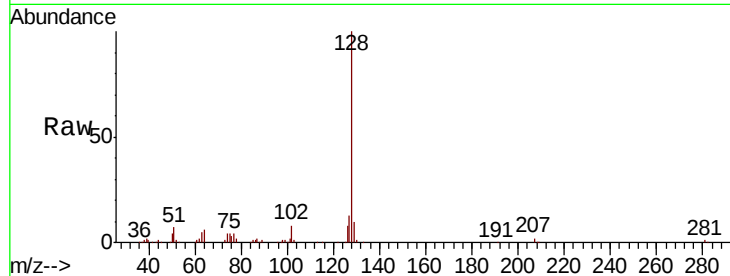
#95
Naphthalene
Concen: 20.279 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	177033		
127	13.3		10.5	15.7
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.721 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051543.D
Acq: 26 Sep 2018 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99595		
182	94.1		47.2	141.6
145	30.4		14.6	43.8

