

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052302.D
 Acq On : 13 Nov 2018 22:10
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:38 AM

Quant Time: Nov 14 02:57:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	45113	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	264542	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	235639	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	112033	33.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.53%
60) 4-Bromofluorobenzene	12.40	95	109288	28.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.63%
63) Toluene-d8	10.09	98	336428	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	69792	23.163	ug/l 100
3) Chloromethane	2.06	50	81258	23.597	ug/l 98
4) Vinyl Chloride	2.19	62	70682	20.924	ug/l 99
5) Bromomethane	2.58	94	38896	16.869	ug/l 98
6) Chloroethane	2.71	64	37920	17.556	ug/l 98
7) Trichlorofluoromethane	3.02	101	94290	20.612	ug/l 100
8) Diethyl Ether	3.41	74	33510	21.695	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57327	21.441	ug/l 97
10) 1,1-Dichloroethene	3.74	96	52238	20.939	ug/l 95
11) Methyl Iodide	3.96	142	74104	20.544	ug/l 99
12) Methyl Acetate	4.33	43	56998	27.143	ug/l 91
13) Acrolein	3.61	56	18461	82.885	ug/l 99
14) Acrylonitrile	4.99	53	108834	116.872	ug/l 98
15) Acetone	3.82	58	24784	112.609	ug/l 77
16) Carbon Disulfide	4.06	76	142547	19.351	ug/l 99
17) Allyl chloride	4.33	41	93439	22.059	ug/l 96
18) Methylene Chloride	4.55	84	63778	20.712	ug/l # 85
19) trans-1,2-Dichloroethene	5.05	96	55854	20.433	ug/l 99
20) Diisopropyl ether	5.95	45	229016	24.881	ug/l 96
21) 1,1-Dichloroethane	5.85	63	119049	22.131	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	65677	20.576	ug/l 94
23) tert-Butyl Alcohol	4.78	59	18890	130.195	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	156784	22.168	ug/l 96
25) Chloroform	7.37	83	114408	21.182	ug/l 94
26) Cyclohexane	7.65	56	103290	21.420	ug/l # 87
29) 1,1-Dichloropropene	7.80	75	86133	20.508	ug/l 98
30) 2-Butanone	6.84	43	135151	120.833	ug/l # 82
31) 2,2-Dichloropropane	6.83	77	78277	18.093	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	94091	20.022	ug/l 98
33) Carbon Tetrachloride	7.78	117	79899	19.118	ug/l 95
34) Benzene	8.04	78	253986	20.653	ug/l 95
35) Methacrylonitrile	7.17	41	31888	20.786	ug/l # 73
36) 1,2-Dichloroethane	8.13	62	88788	21.594	ug/l 100
37) Trichloroethene	8.84	130	60947	19.801	ug/l 93
38) Methylcyclohexane	9.08	83	96029	18.743	ug/l 94
39) 1,2-Dichloropropane	9.12	63	72860	22.257	ug/l 90
40) Dibromomethane	9.21	93	41840	20.735	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83422	20.206	ug/l	99
42) Vinyl Acetate	5.90	43	777695	118.770	ug/l	96
43) Ethyl Acetate	6.84	43	135151	24.044	ug/l #	86
44) Isopropyl Acetate	8.17	43	125449	26.956	ug/l #	86
45) 1,4-Dioxane	9.20	88	9414	443.417	ug/l #	68
46) Methyl methacrylate	9.20	41	58329	25.179	ug/l	89
47) n-amyl Acetate	12.07	43	96374	22.845	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	81939	19.987	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	95956	20.279	ug/l #	88
50) 1,1,2-Trichloroethane	10.56	97	54363	20.374	ug/l	95
51) Ethyl methacrylate	10.43	69	71722	20.798	ug/l	79
52) 1,3-Dichloropropane	10.71	76	98229	21.135	ug/l	99
53) Dibromochloromethane	10.90	129	57756	20.050	ug/l	98
54) 1,2-Dibromoethane	11.01	107	54262	20.054	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	198739	105.245	ug/l	98
56) Bromoform	12.13	173	33018	19.846	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	318722	126.227	ug/l	95
59) 2-Hexanone	10.75	43	209419	120.456	ug/l	94
61) Tetrachloroethene	10.63	164	54524	21.276	ug/l	92
62) Toluene	10.16	91	273737	20.694	ug/l	100
64) Chlorobenzene	11.43	112	164615	19.636	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	57259	20.067	ug/l	96
66) Ethyl Benzene	11.51	91	285704	19.996	ug/l	96
67) m/p-Xylenes	11.62	106	213027	38.725	ug/l	99
68) o-Xylene	11.95	106	104783	19.979	ug/l	96
69) Styrene	11.96	104	164867	19.508	ug/l	96
70) Isopropylbenzene	12.25	105	275282	19.553	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	68698	22.184	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	61050m	22.422	ug/l	
73) Bromobenzene	12.53	156	61725	19.786	ug/l	99
74) n-propylbenzene	12.59	91	316208	19.287	ug/l	99
75) 2-Chlorotoluene	12.67	91	189762	20.076	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	222363	19.696	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	16314	19.149	ug/l	90
78) 4-Chlorotoluene	12.77	91	189253	19.882	ug/l	98
79) tert-butylbenzene	12.99	119	192625	19.587	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	221154	19.664	ug/l	99
81) sec-Butylbenzene	13.17	105	262270	19.379	ug/l	98
82) p-Isopropyltoluene	13.29	119	221654	19.380	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	108948	19.743	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	104978	19.217	ug/l	97
85) n-Butylbenzene	13.62	91	185405	18.729	ug/l	98
86) Hexachloroethane	13.87	117	38135	19.758	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	106140	20.245	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	8717	20.586	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	43560	20.468	ug/l	99
90) Hexachlorobutadiene	15.01	225	23510	20.191	ug/l	100
91) Naphthalene	15.13	128	98236	20.026	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	39474	21.282	ug/l	97

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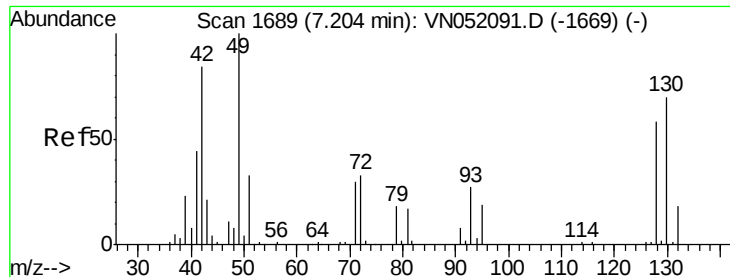
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 45113

Ion Ratio Lower Upper

128 100

49 206.0 0.0 453.7

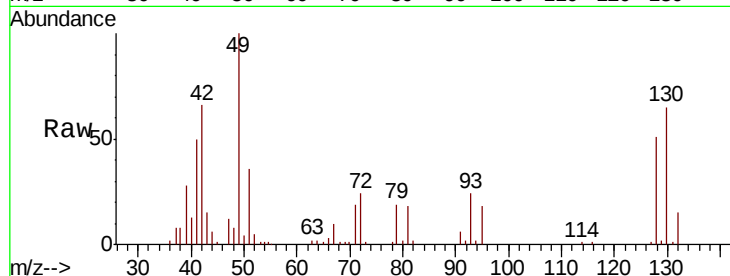
130 130.0 0.0 308.8

Manual Integrations

APPROVED

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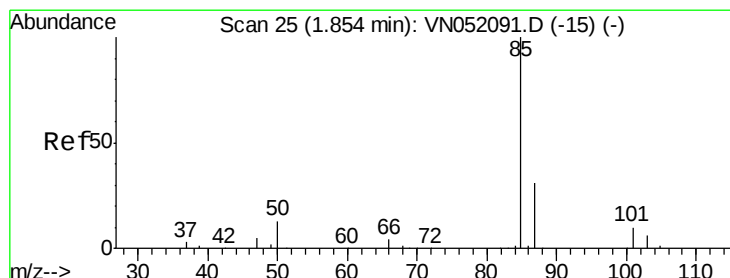
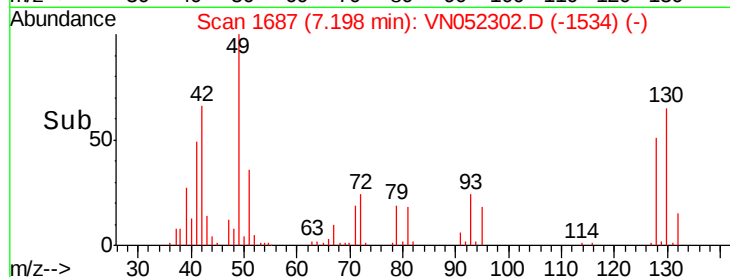
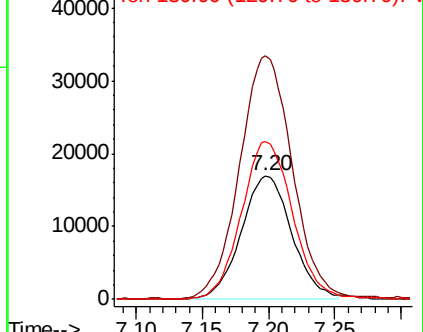
11/14/2018 11:10:38 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 23.163 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052302.D

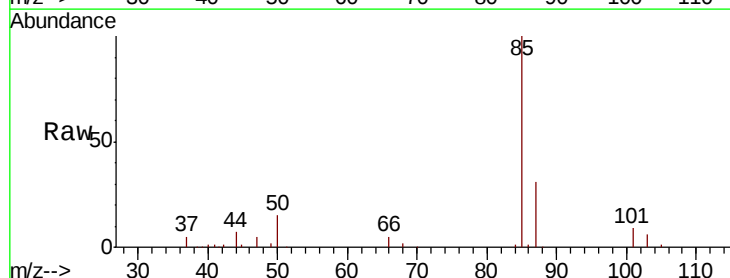
Acq: 13 Nov 2018 22:10

Tgt Ion: 85 Resp: 69792

Ion Ratio Lower Upper

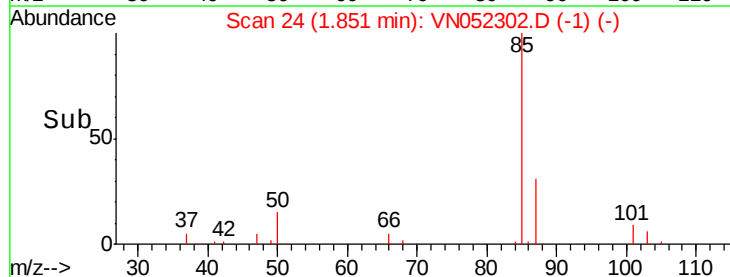
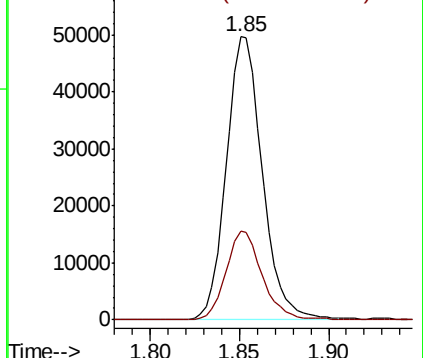
85 100

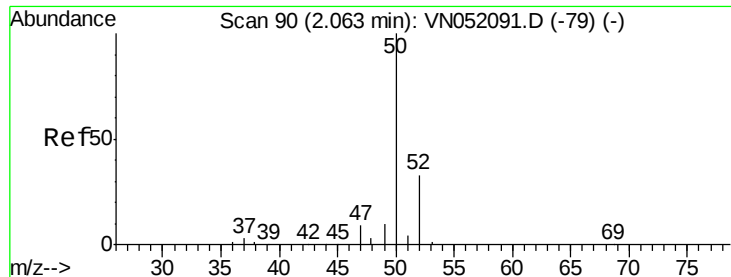
87 31.3 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 23.597 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 81258

Ion Ratio Lower Upper

50 100

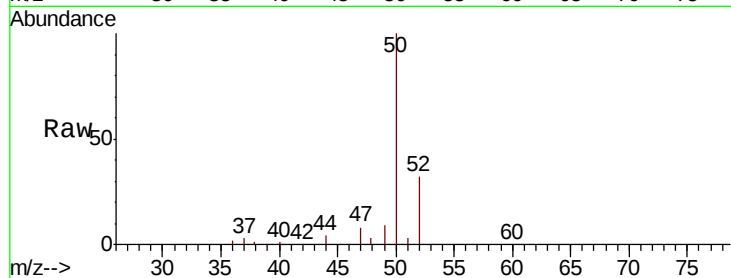
52 32.0 26.5 39.7

Manual Integrations

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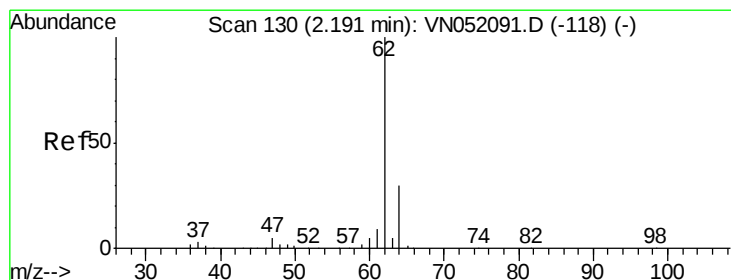
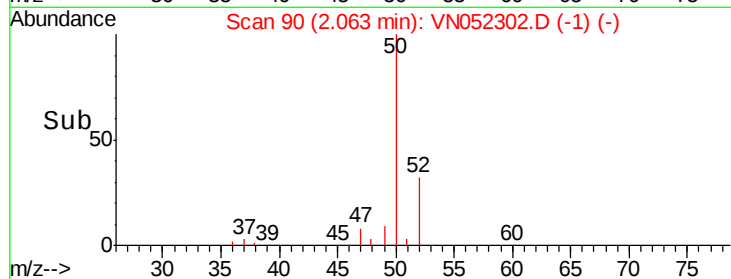
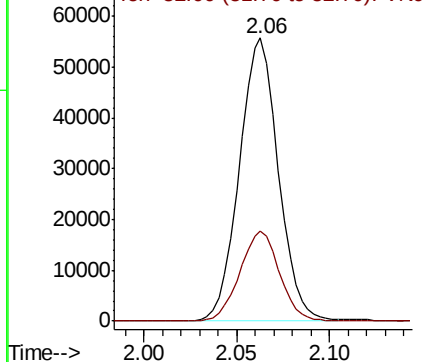
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.924 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052302.D

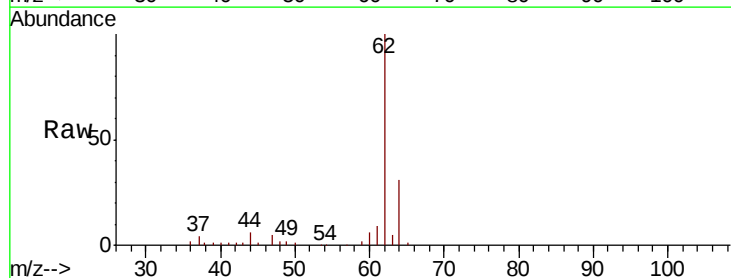
Acq: 13 Nov 2018 22:10

Tgt Ion: 62 Resp: 70682

Ion Ratio Lower Upper

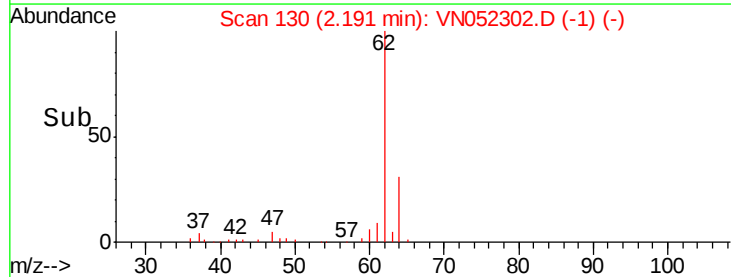
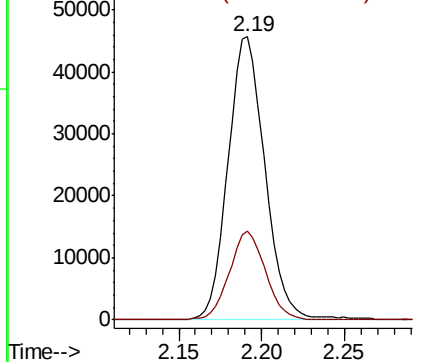
62 100

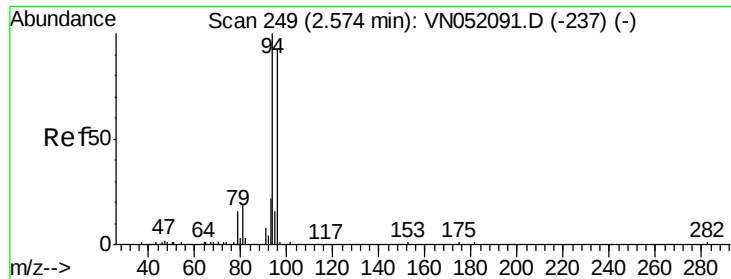
64 30.9 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 16.869 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 38896

Ion Ratio Lower Upper

94 100

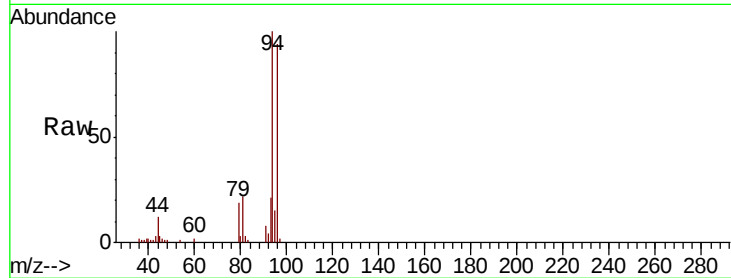
96 93.8 73.4 110.0

Manual Integrations

APPROVED

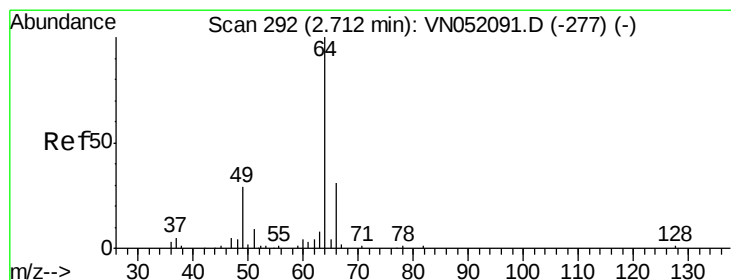
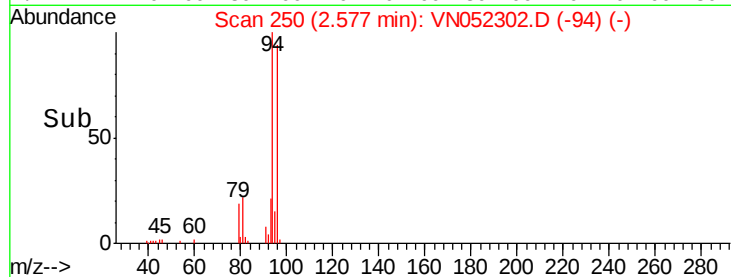
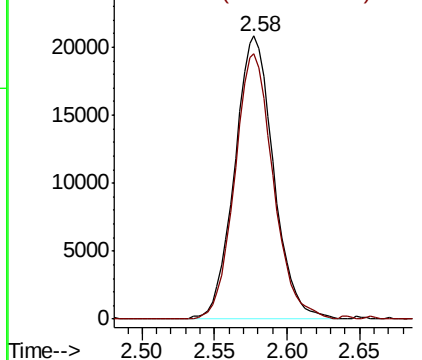
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.556 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052302.D

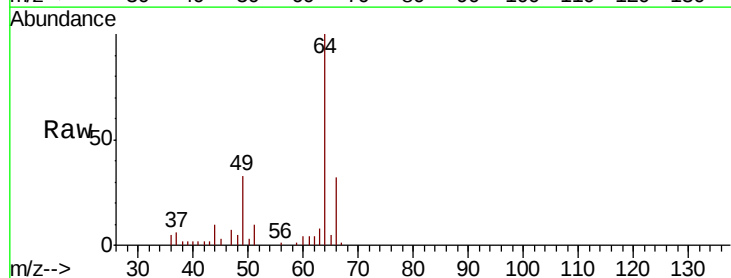
Acq: 13 Nov 2018 22:10

Tgt Ion: 64 Resp: 37920

Ion Ratio Lower Upper

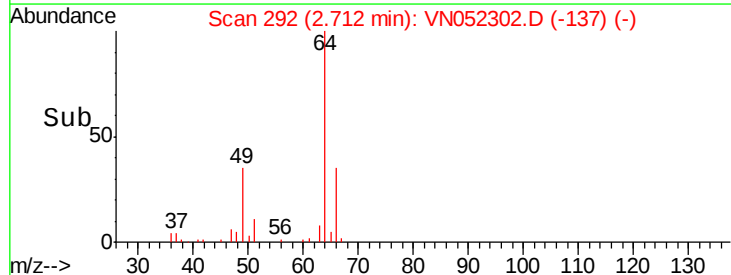
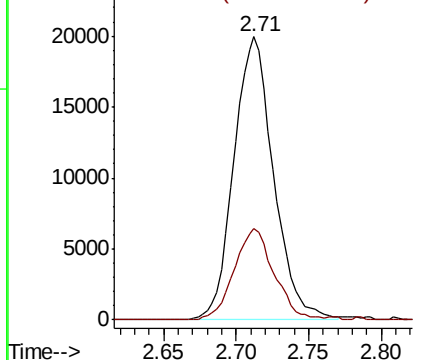
64 100

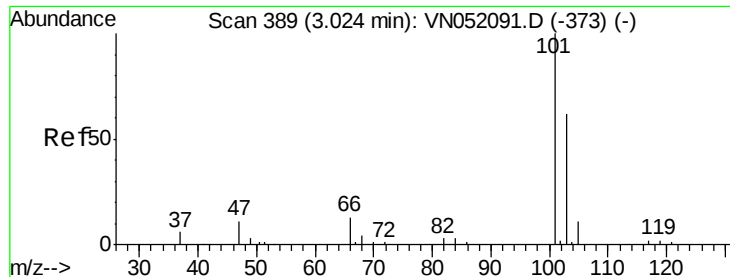
66 32.3 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

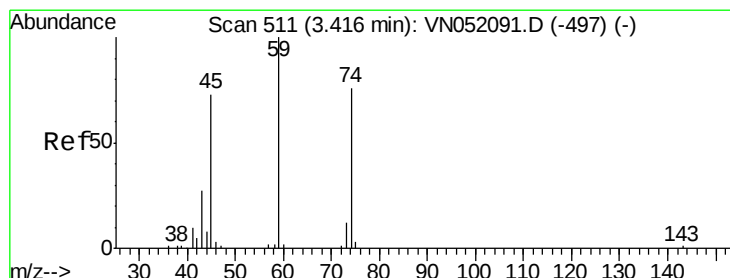
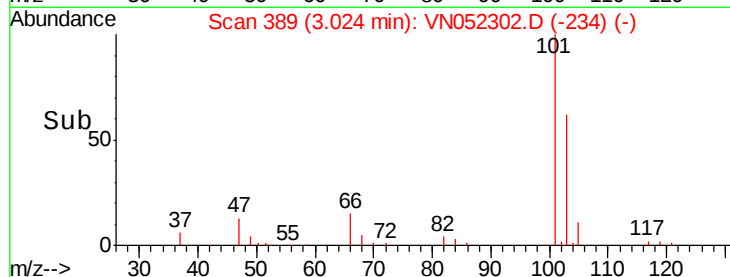
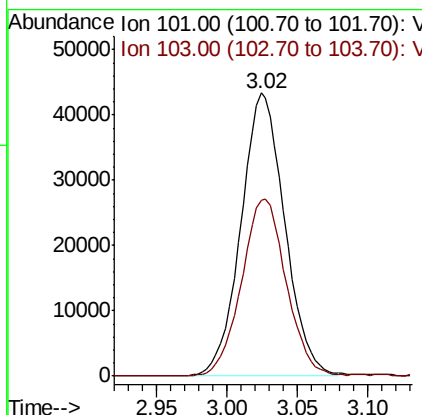
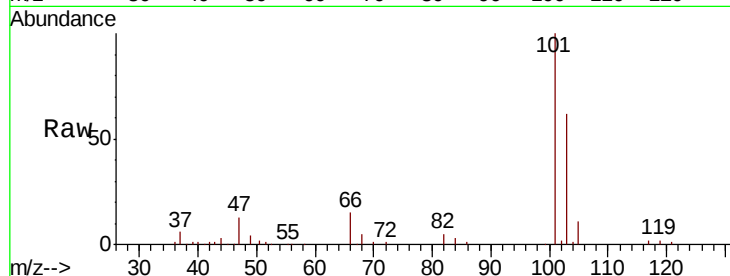
Trichlorofluoromethane
 Concen: 20.612 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	49.5	74.3

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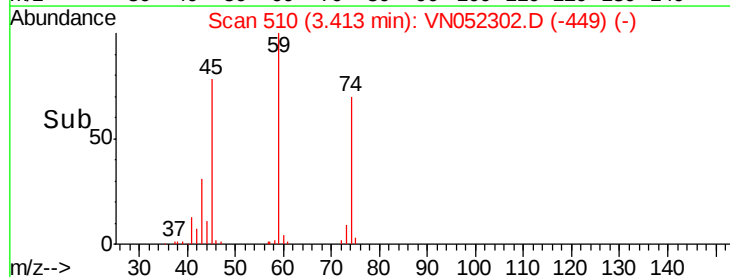
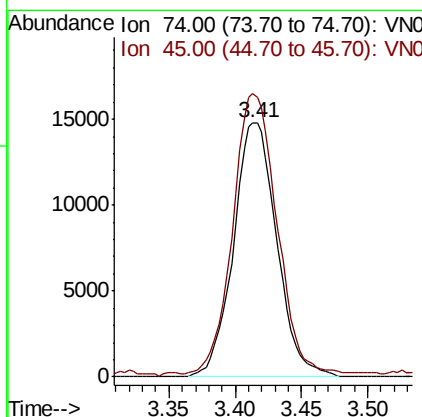
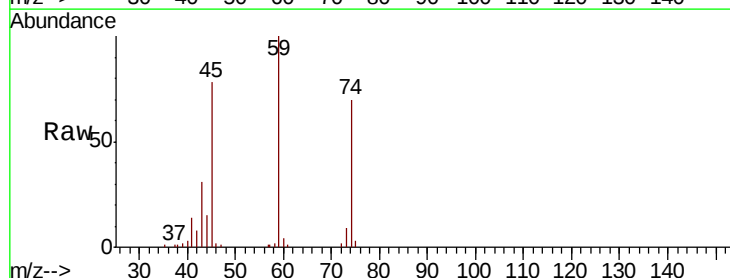
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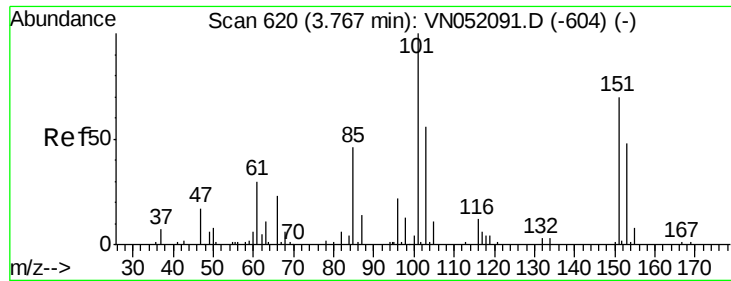


#8

Diethyl Ether
 Concen: 21.695 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.5	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.441 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

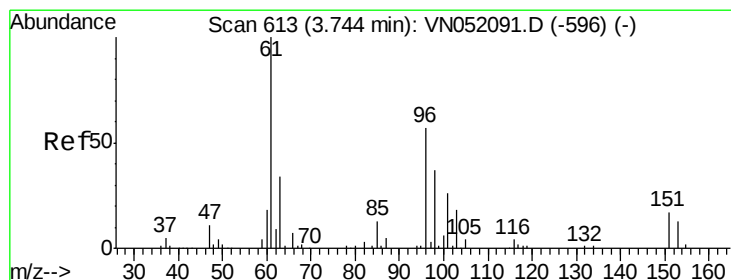
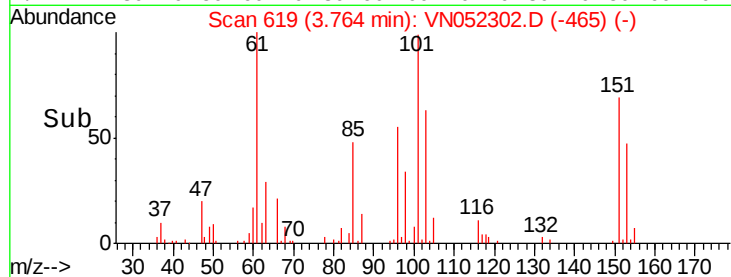
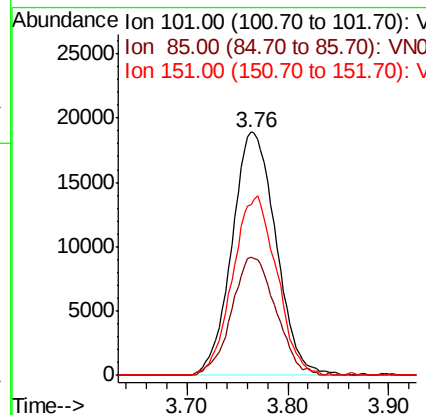
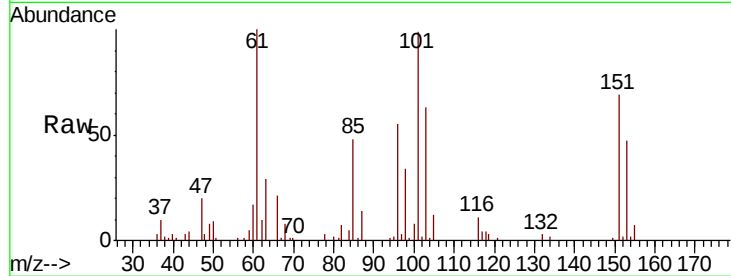
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	57327
Ion Ratio	Lower	Upper	
101	100		
85	48.0	0.0	98.0
151	73.5	0.0	139.6

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#10

1,1-Dichloroethene

Concen: 20.939 ug/l

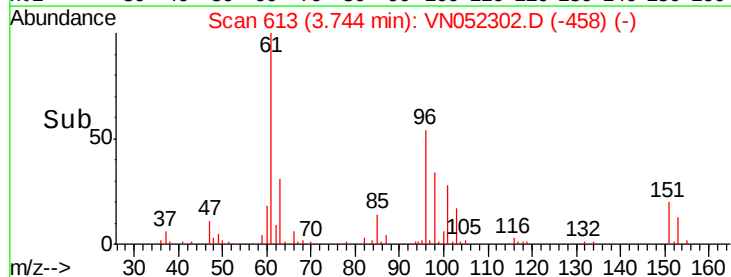
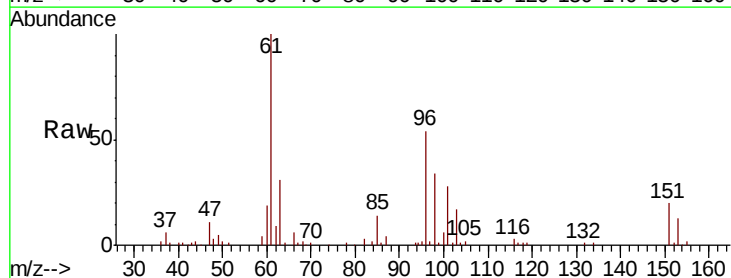
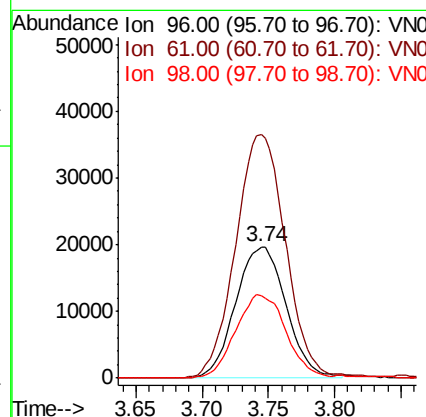
RT: 3.74 min Scan# 613

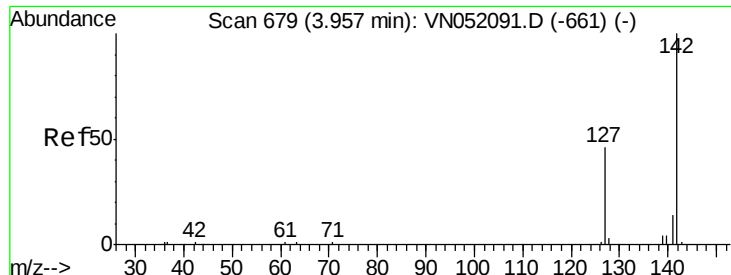
Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	96	Resp:	52238
Ion Ratio	Lower	Upper	
96	100		
61	184.1	140.3	210.5
98	62.9	52.0	78.0





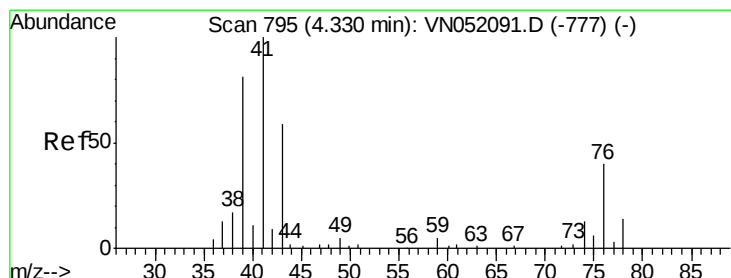
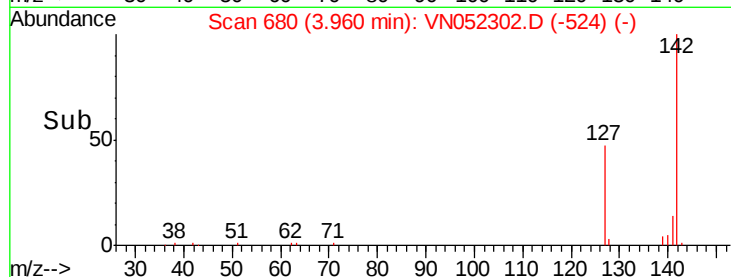
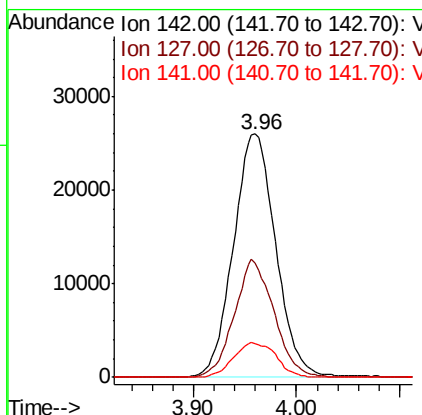
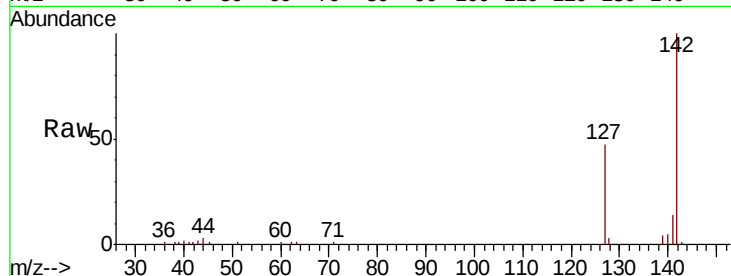
#11
Methyl Iodide
Concen: 20.544 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.0	23.1	69.2
141	14.0	7.0	20.9

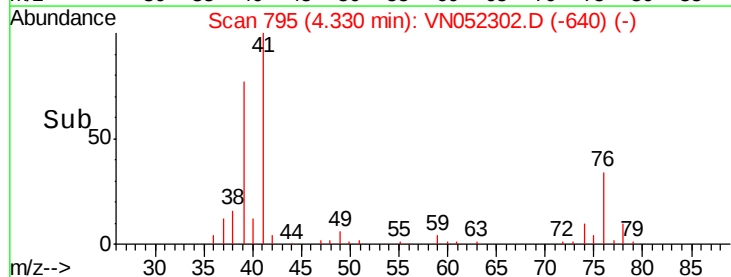
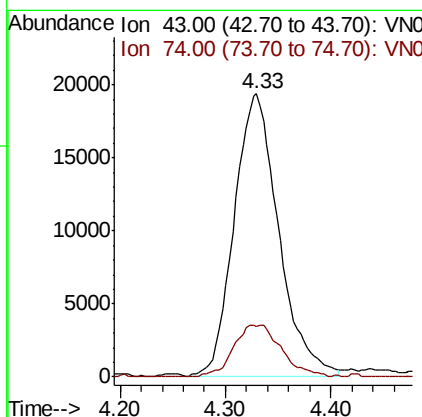
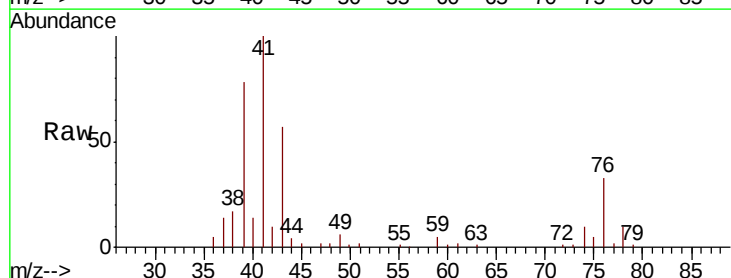
Manual Integrations
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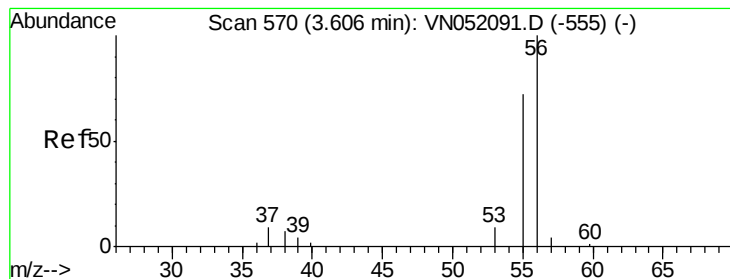
MMDadoda
11/14/2018 11:10:38 AM



#12
Methyl Acetate
Concen: 27.143 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.6	17.4	26.2





#13

Acrolein

Concen: 82.885 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 18461

Ion Ratio Lower Upper

56 100

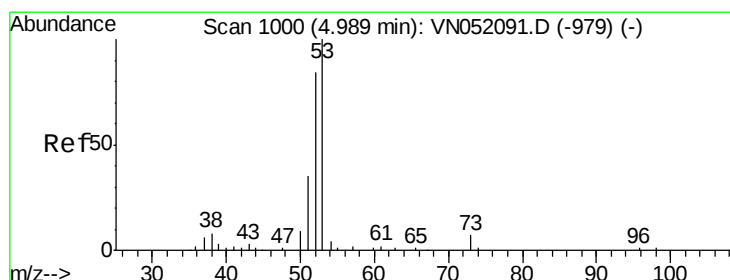
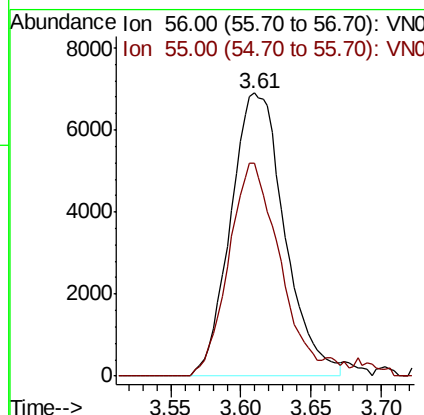
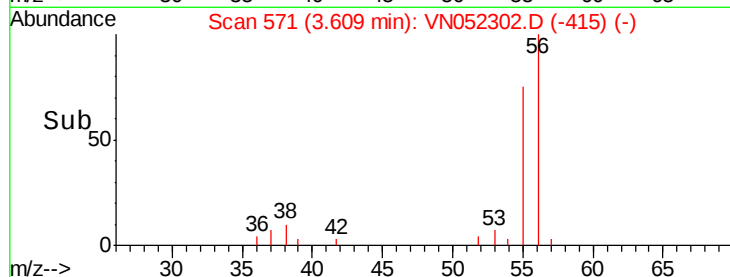
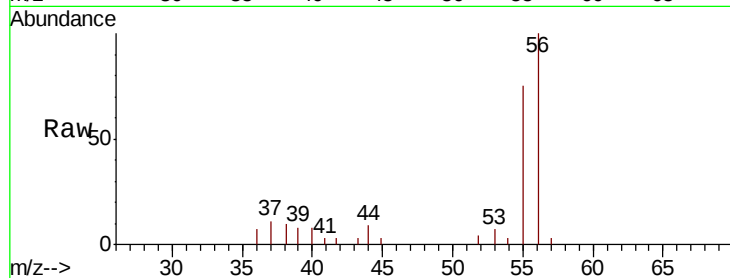
55 70.7 56.2 84.2

Manual Integrations

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#14

Acrylonitrile

Concen: 116.872 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

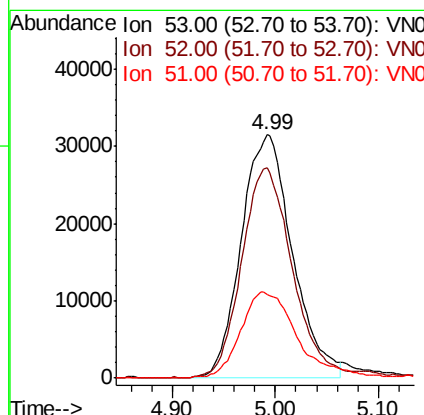
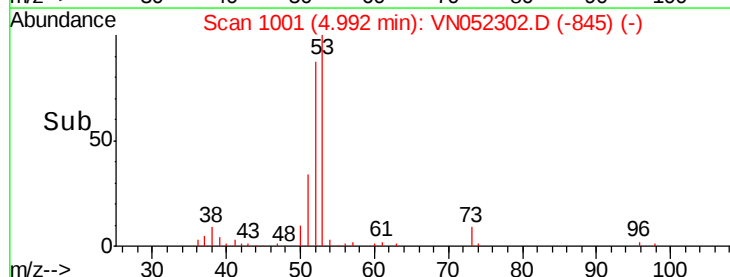
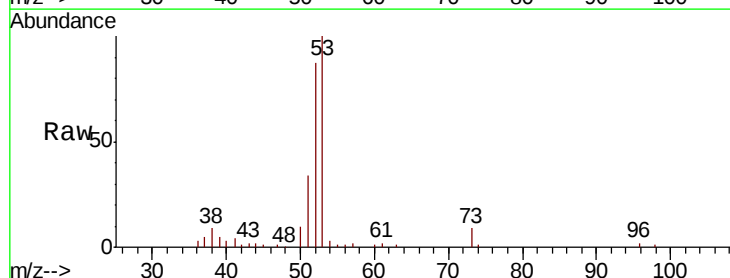
Tgt Ion: 53 Resp: 108834

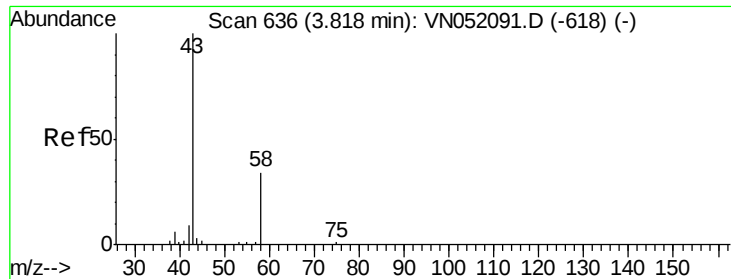
Ion Ratio Lower Upper

53 100

52 85.2 41.3 124.1

51 38.0 18.6 55.6





#15

Acetone

Concen: 112.609 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 24784

Ion Ratio Lower Upper

58 100

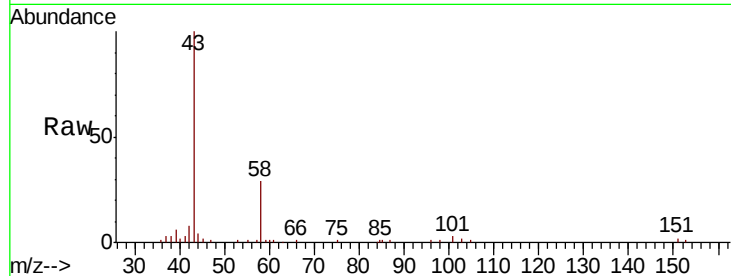
43 338.4 234.7 352.1

Manual Integrations

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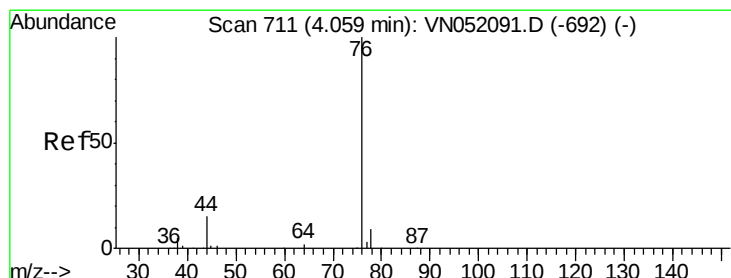
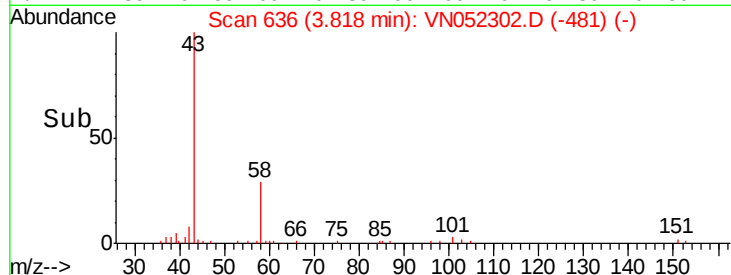
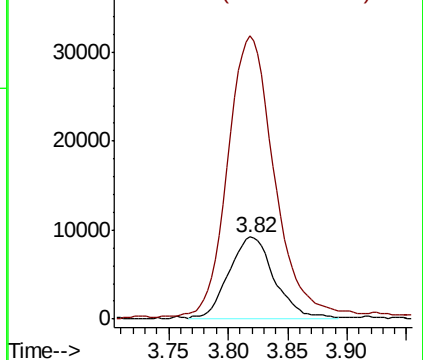
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.351 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052302.D

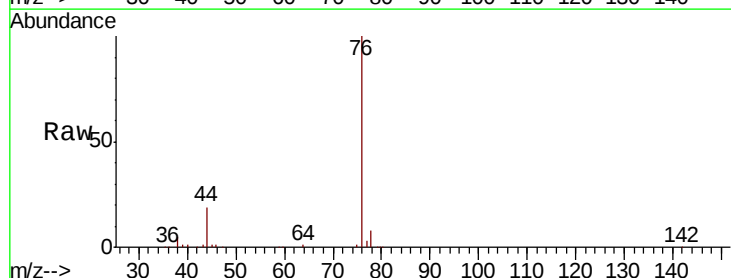
Acq: 13 Nov 2018 22:10

Tgt Ion: 76 Resp: 142547

Ion Ratio Lower Upper

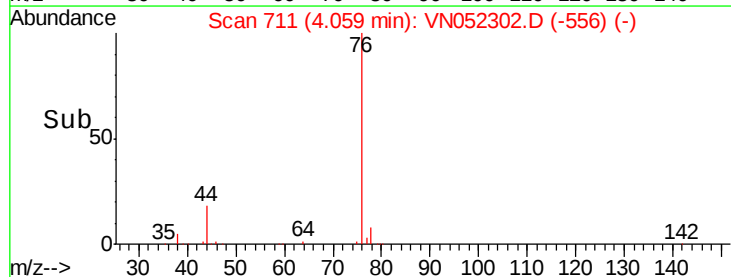
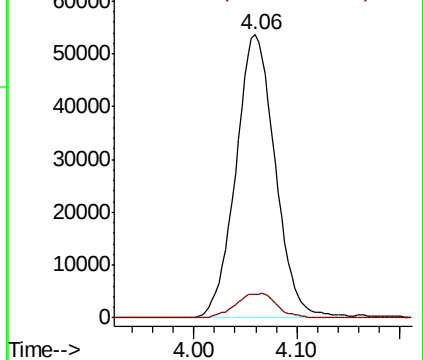
76 100

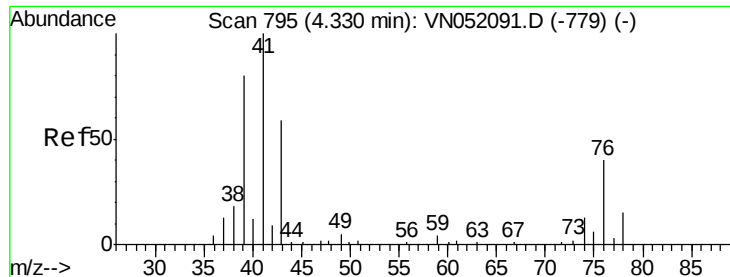
78 8.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





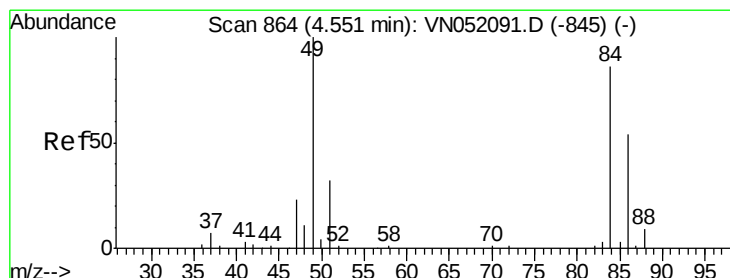
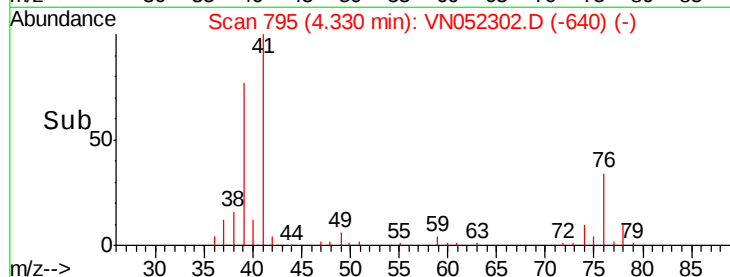
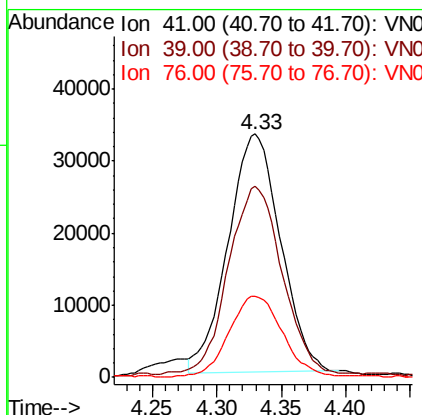
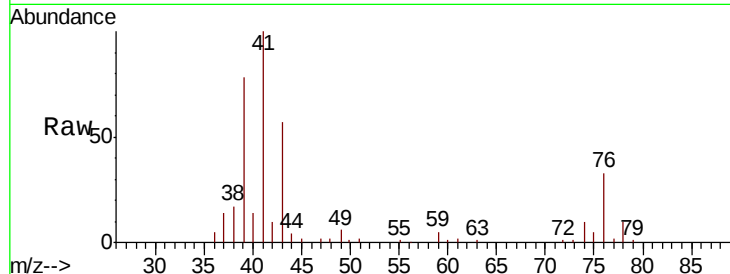
#17
Allvl chloride
Concen: 22.059 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.8	38.4	115.1
76	33.5	18.8	56.3

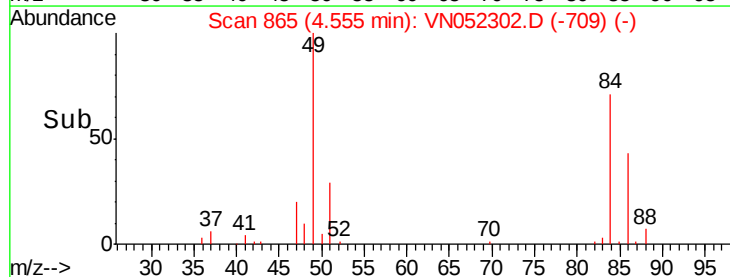
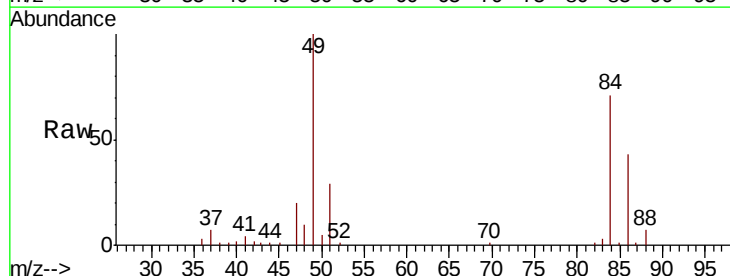
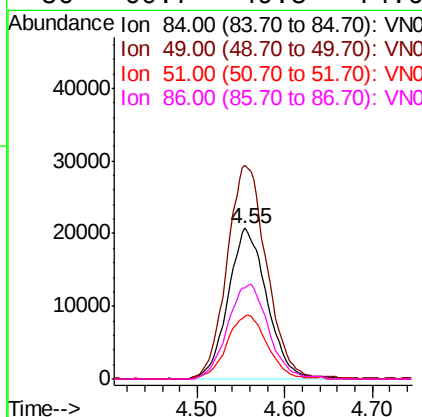
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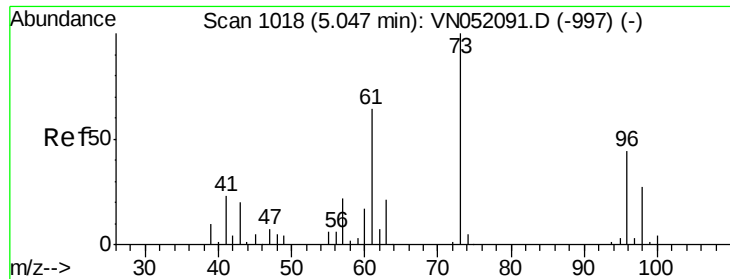
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#18
Methylene Chloride
Concen: 20.712 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.6	92.6	138.8#
51	41.6	29.7	44.5
86	60.7	49.8	74.6





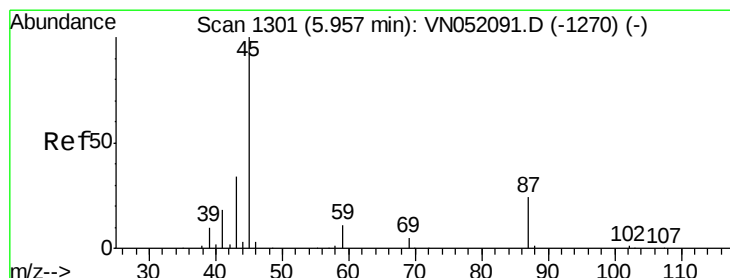
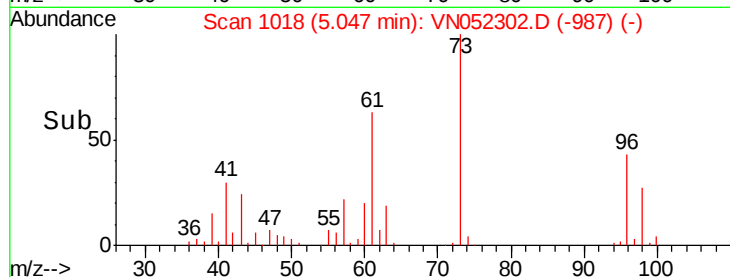
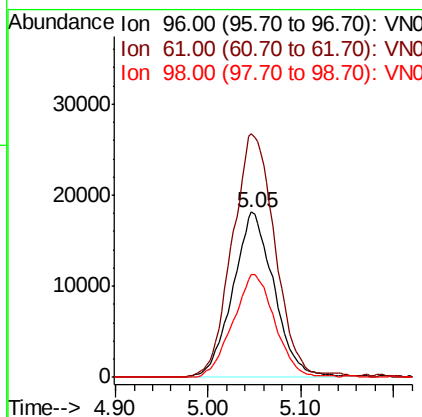
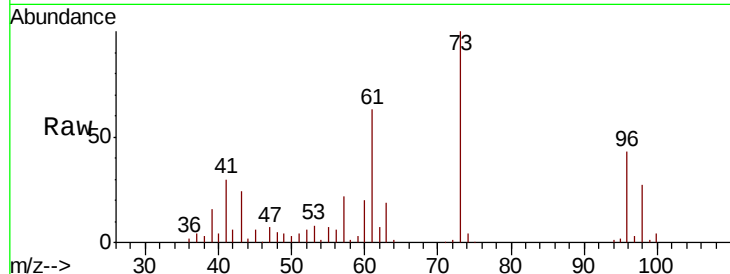
#19
trans-1,2-Dichloroethene
Concen: 20.433 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	117.8	176.6
98	62.3	49.3	73.9

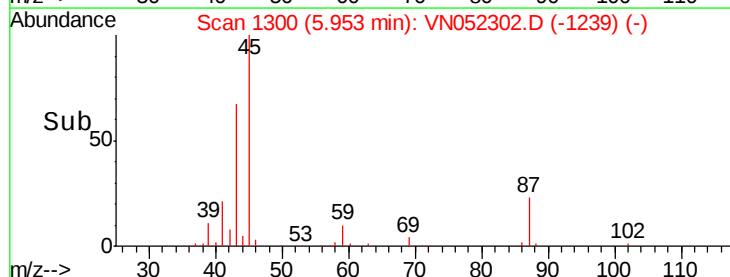
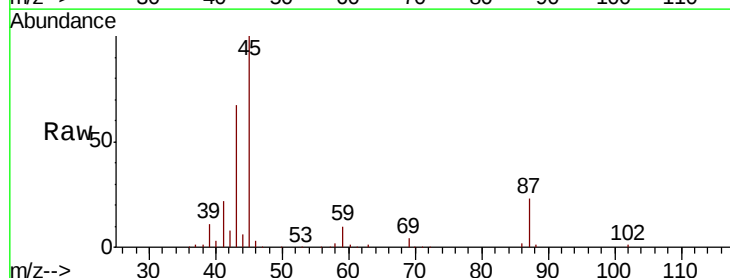
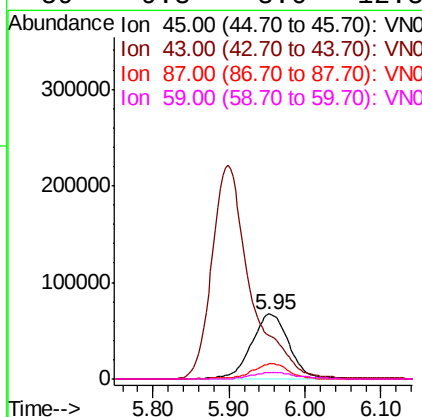
Manual Integrations
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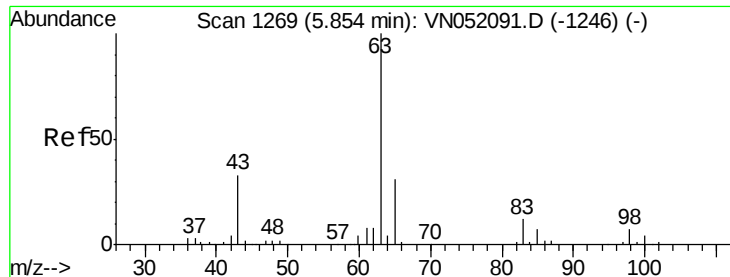
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#20
Diisopropyl ether
Concen: 24.881 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.4	74.0
87	23.1	20.3	30.5
59	9.8	8.6	12.8





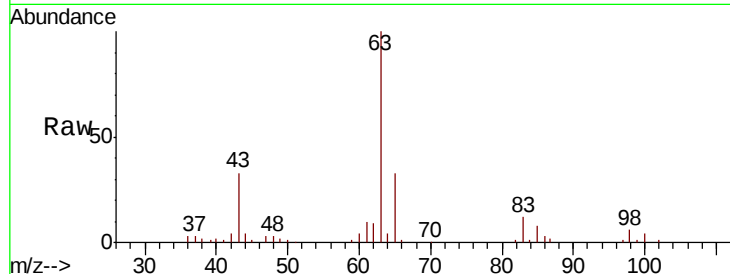
#21
 1,1-Dichloroethane
 Concen: 22.131 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

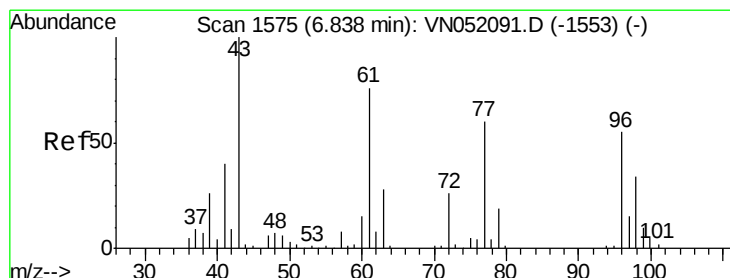
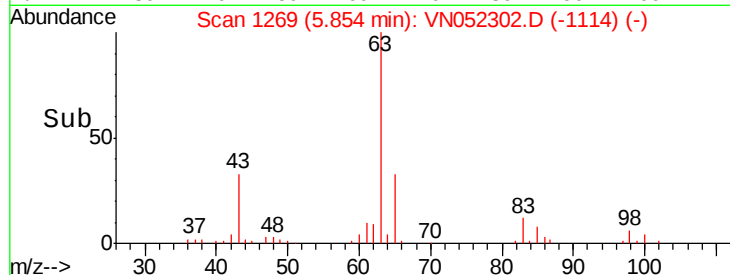
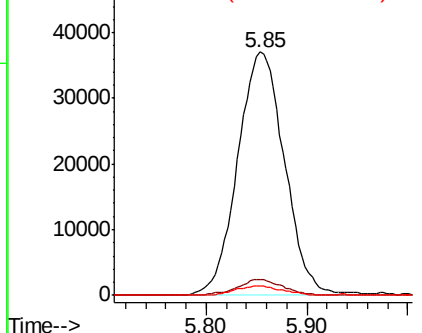
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.0	2.0	5.8

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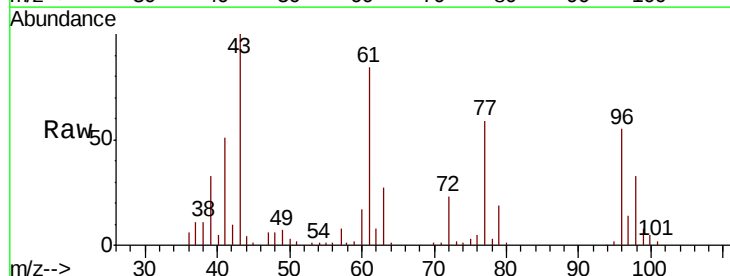


Abundance Ion 63.00 (62.70 to 63.70): VN052302.D (-1114) (-)
 Ion 98.00 (97.70 to 98.70): VN052302.D (-1114) (-)
 Ion 100.00 (99.70 to 100.70): VN052302.D (-1114) (-)

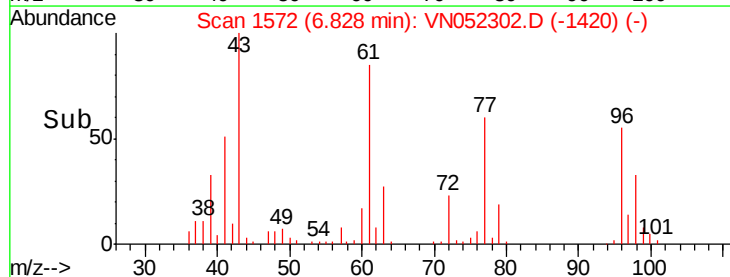
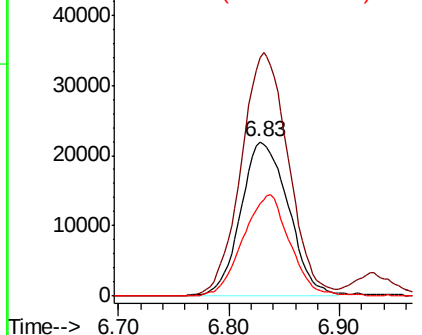


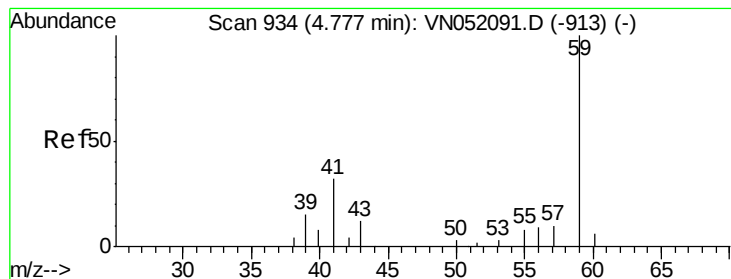
#22
 cis-1,2-Dichloroethene
 Concen: 20.576 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	117.6	176.4
98	64.3	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN052302.D (-1420) (-)
 Ion 61.00 (60.70 to 61.70): VN052302.D (-1420) (-)
 Ion 98.00 (97.70 to 98.70): VN052302.D (-1420) (-)





#23

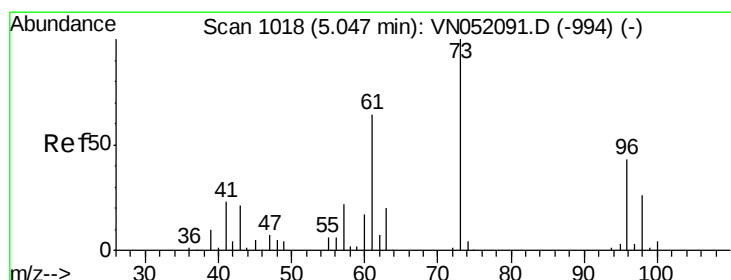
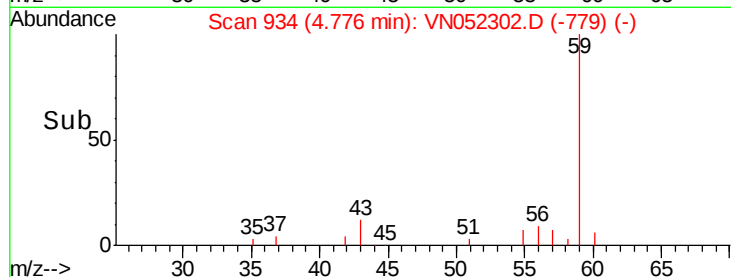
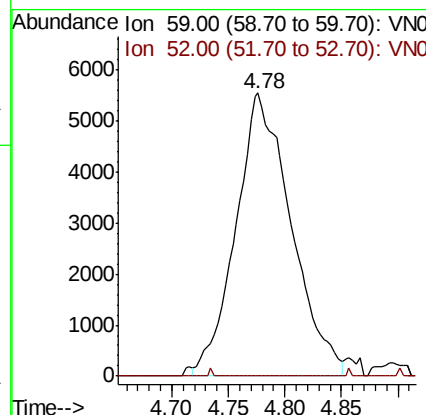
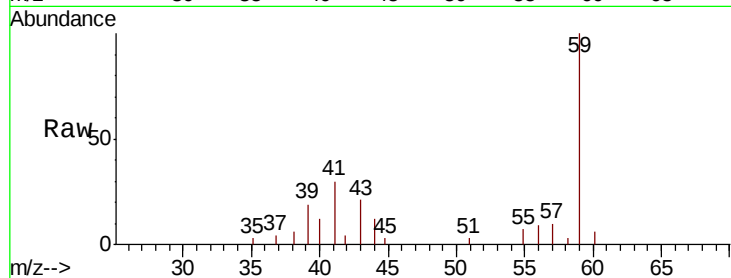
tert-Butyl Alcohol
 Concen: 130.195 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
18890	100	0.0		0.3	0.5#

Manual Integrations
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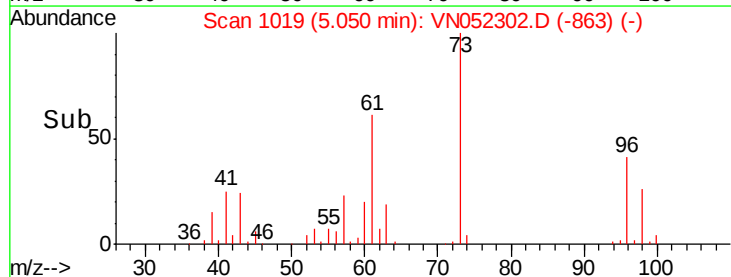
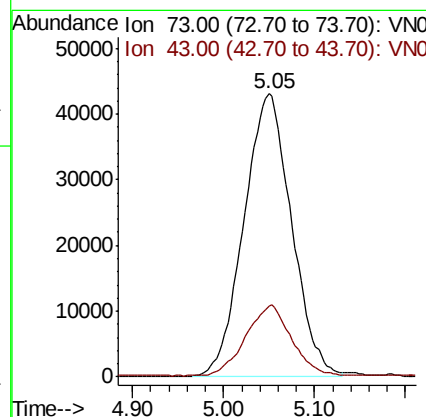
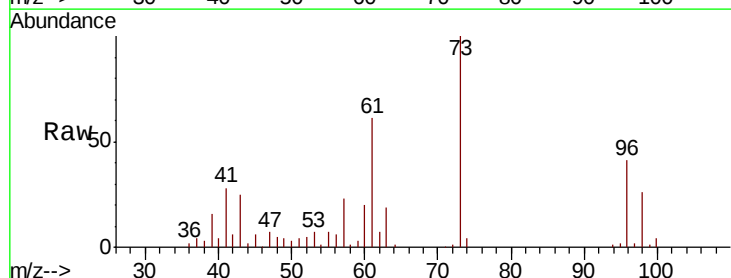
MMDadoda
 11/14/2018 11:10:38 AM

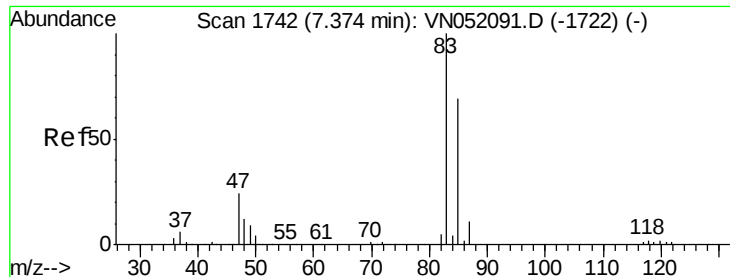


#24

Methyl tert-Butyl Ether
 Concen: 22.168 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	73	43	Ratio	Lower	Upper
156784	100	23.6		17.4	26.2





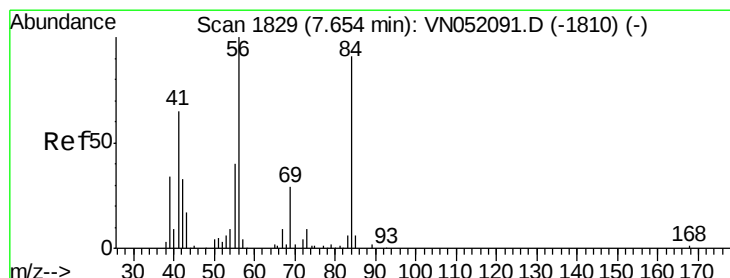
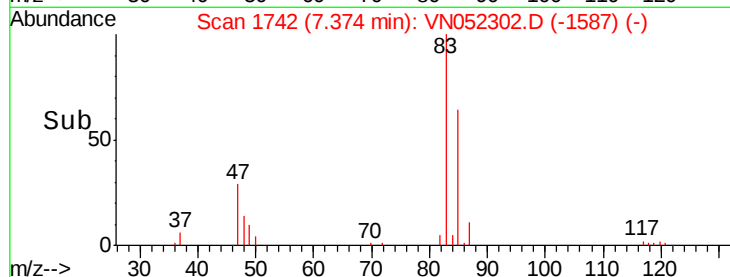
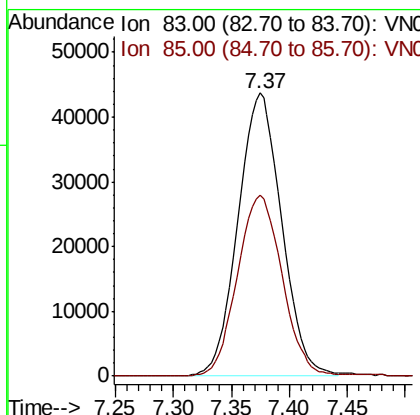
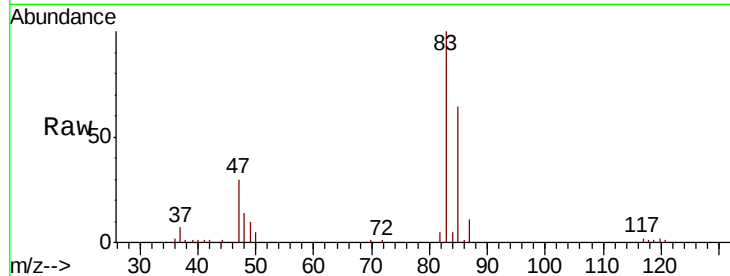
#25
Chloroform
Concen: 21.182 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	114408
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	54.9	82.3

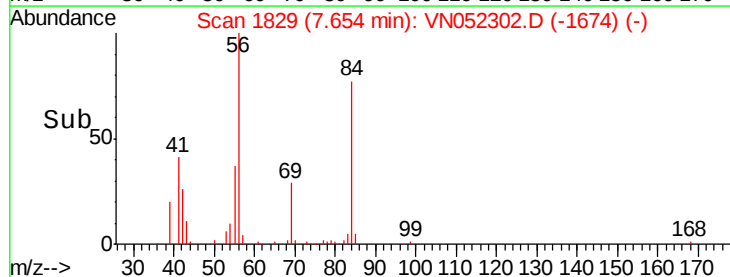
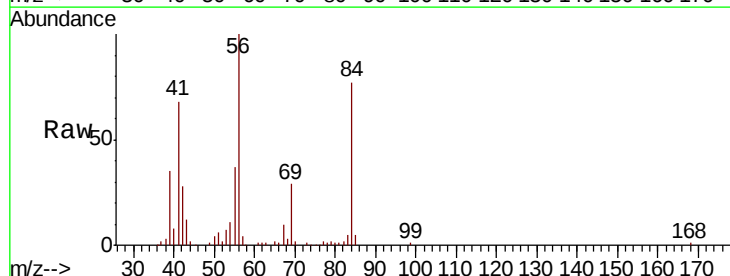
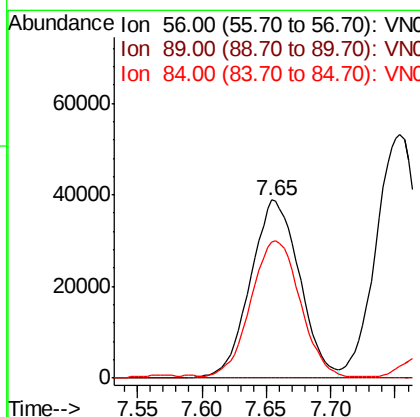
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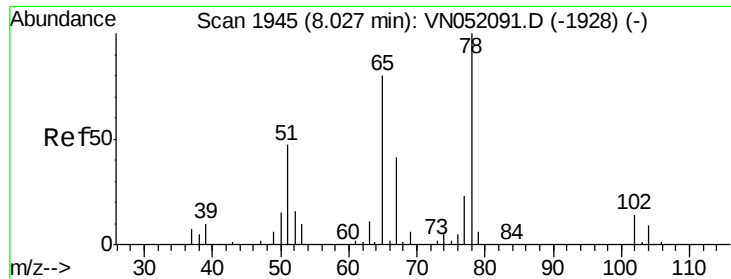
MMDadoda
11/14/2018 11:10:38 AM



#26
Cyclohexane
Concen: 21.420 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	56	Resp	103290
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	2.2	3.2#
84	76.5	71.0	106.6





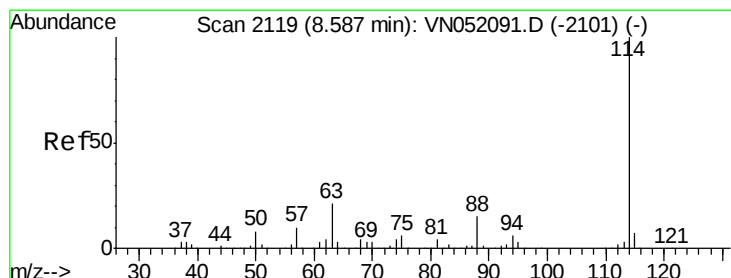
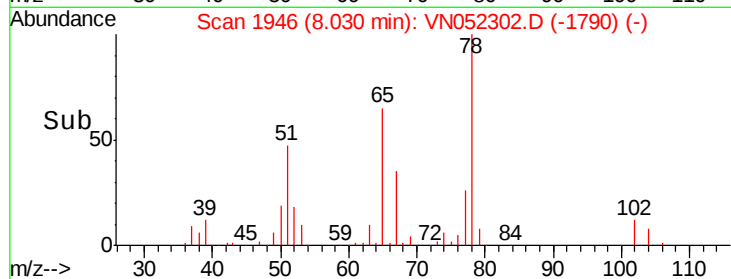
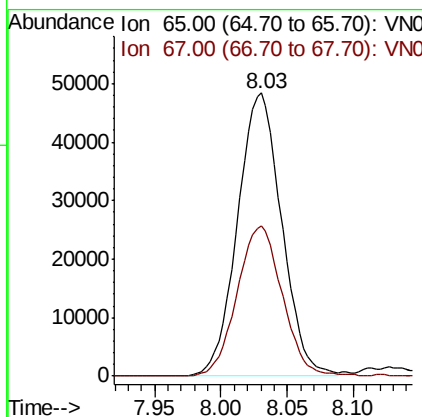
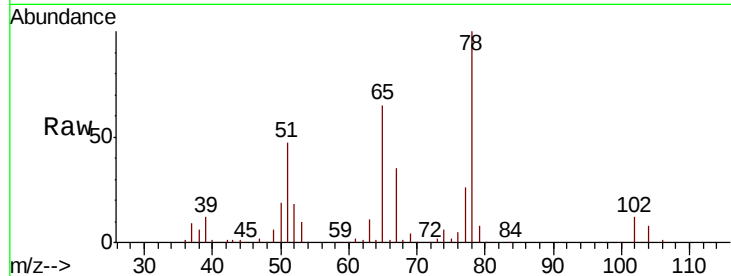
#27
 1,2-Dichloroethane-d4
 Concen: 21.420 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	42.6	64.0

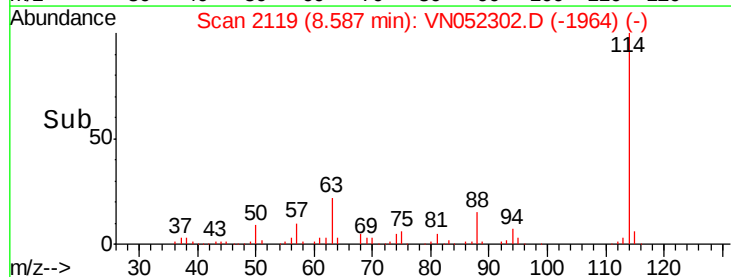
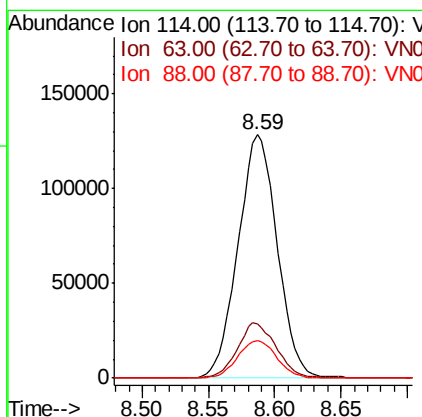
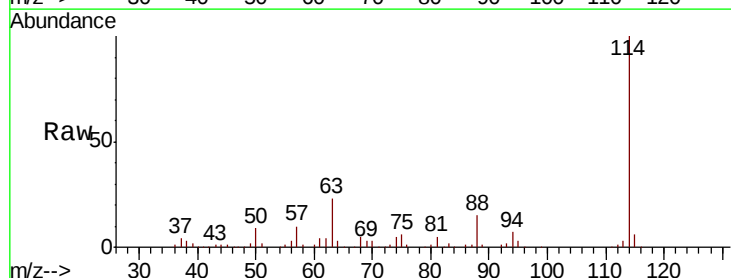
Manual Integrations
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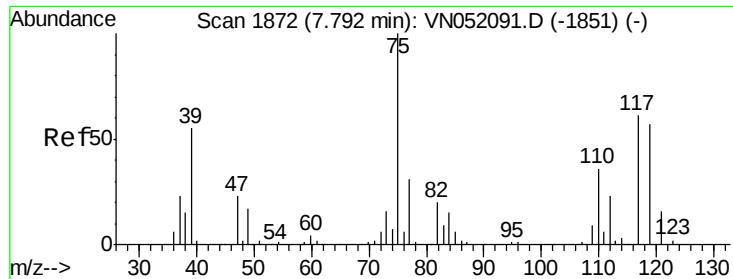
MMDadoda
 11/14/2018 11:10:38 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	17.5	26.3
88	15.5	12.6	18.8





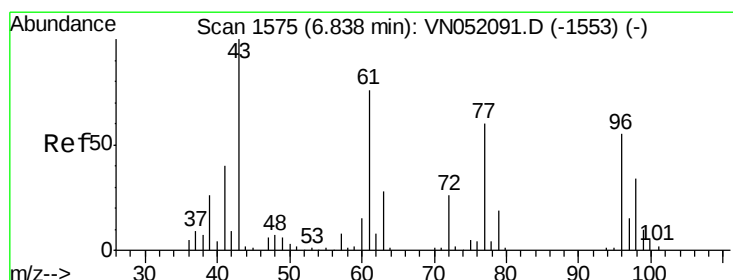
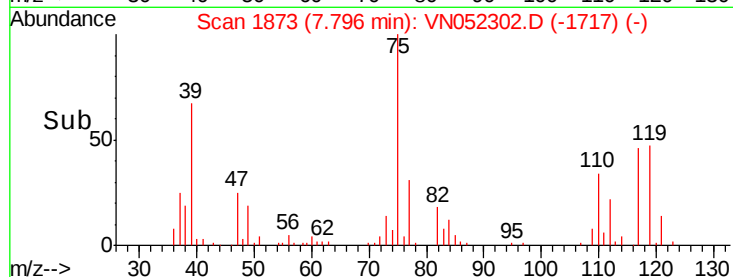
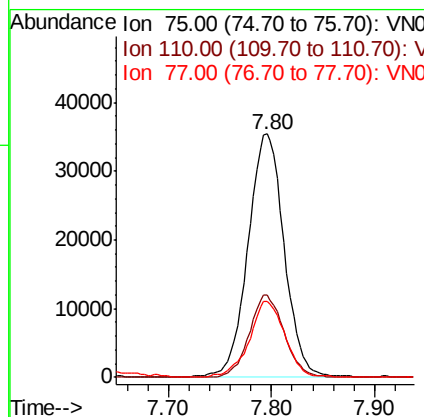
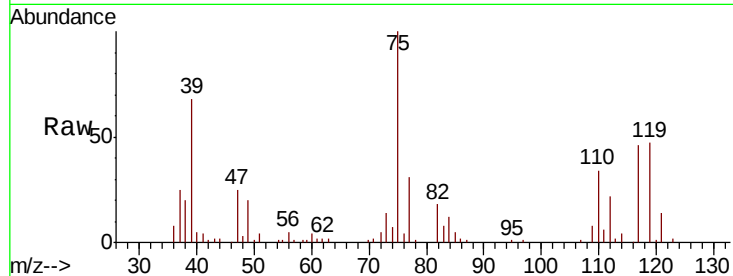
#29
 1,1-Dichloropropene
 Concen: 20.508 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	67.6
77	30.7	0.0	60.2

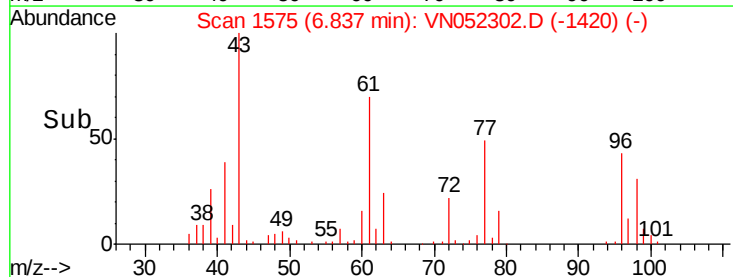
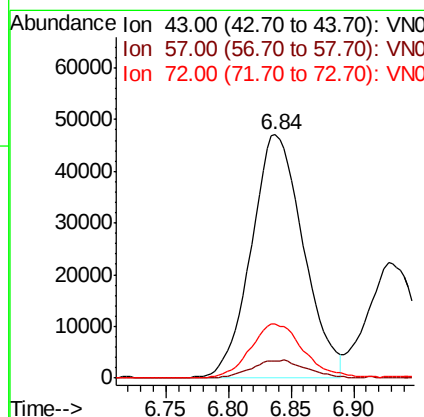
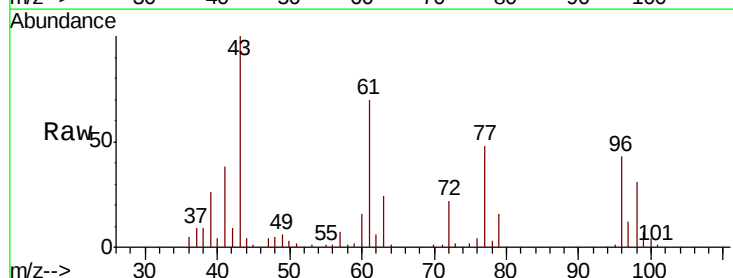
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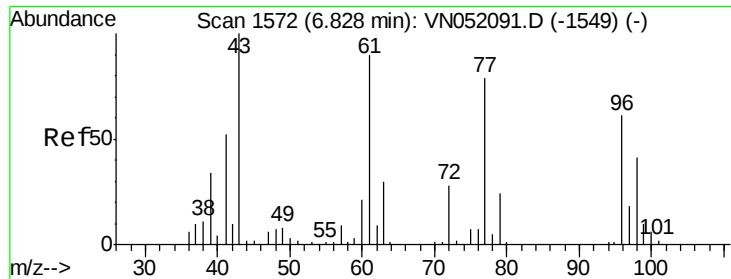
MMDadoda
 11/14/2018 11:10:38 AM



#30
 2-Butanone
 Concen: 120.833 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.6	9.8
72	23.0	9.2	13.8#





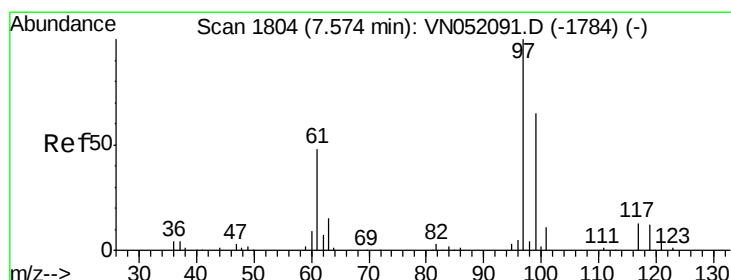
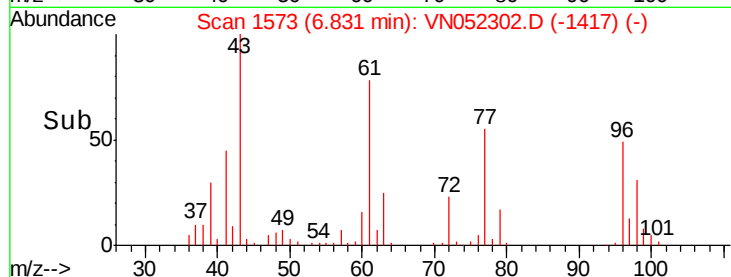
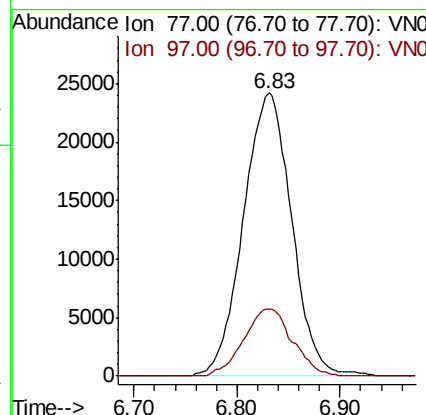
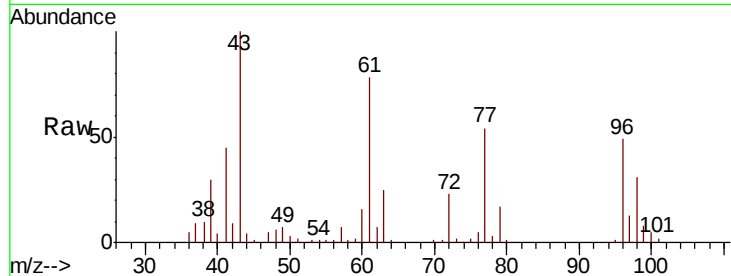
#31
 2,2-Dichloropropane
 Concen: 18.093 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 78277
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.2 27.2

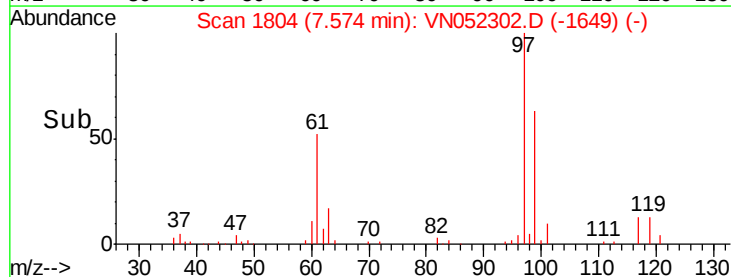
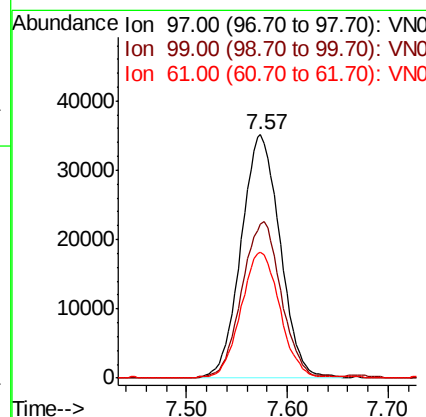
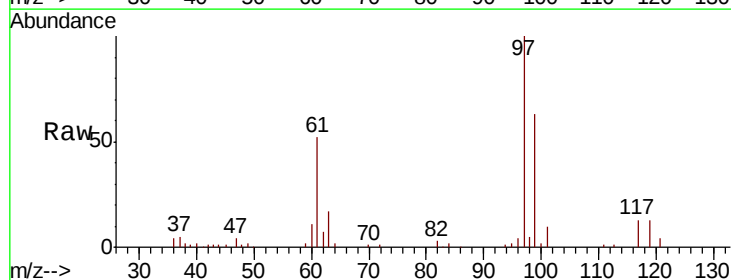
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 20.022 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion: 97 Resp: 94091
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.7 77.5
 61 51.6 38.7 58.1





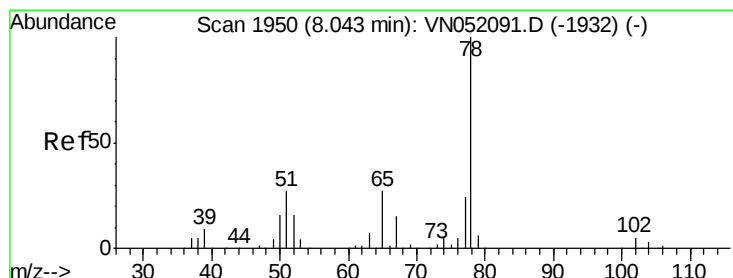
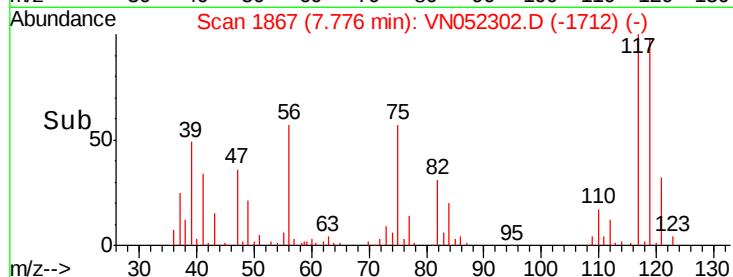
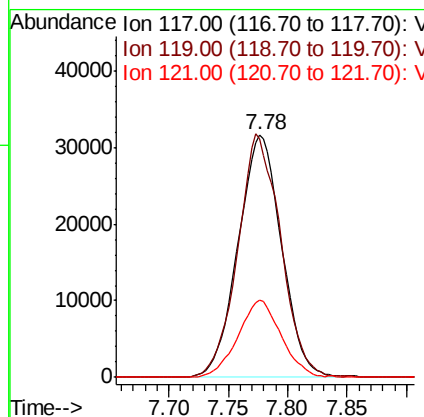
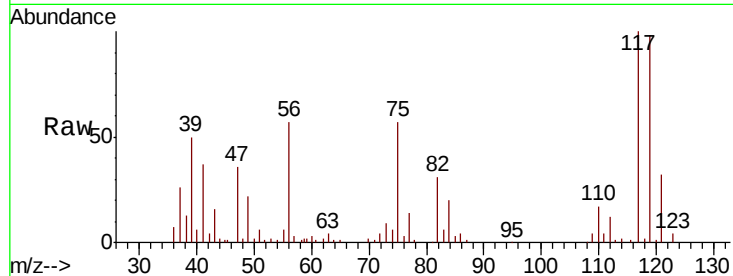
#33
Carbon Tetrachloride
Concen: 19.118 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	74.7	112.1
121	32.0	23.4	35.0

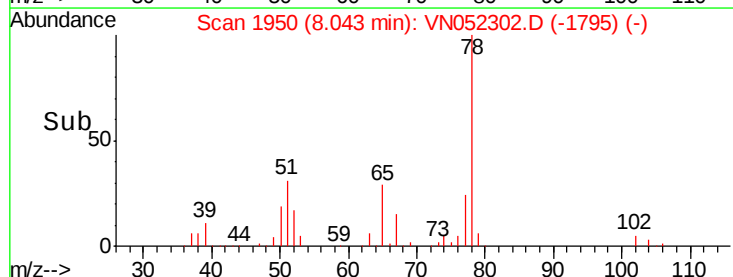
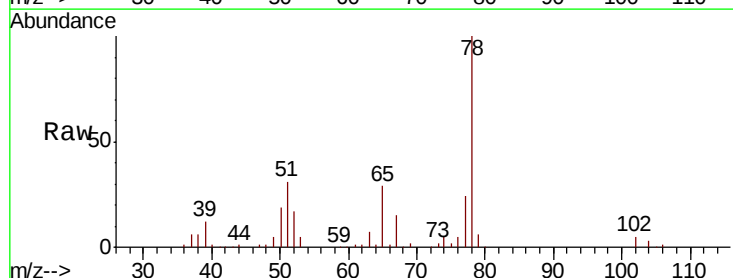
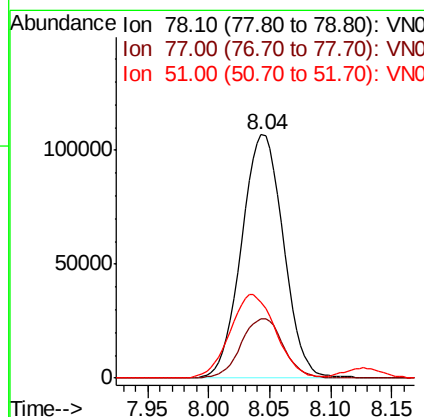
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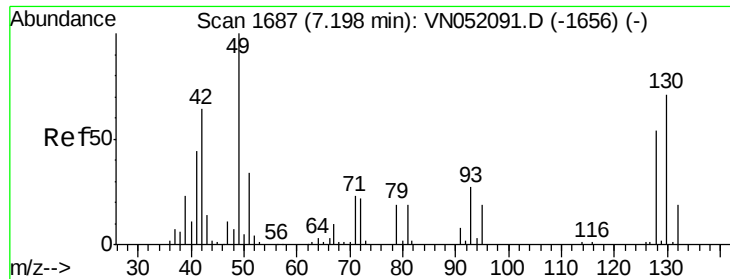
MMDadoda
11/14/2018 11:10:38 AM



#34
Benzene
Concen: 20.653 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7
51	30.5	21.2	31.8





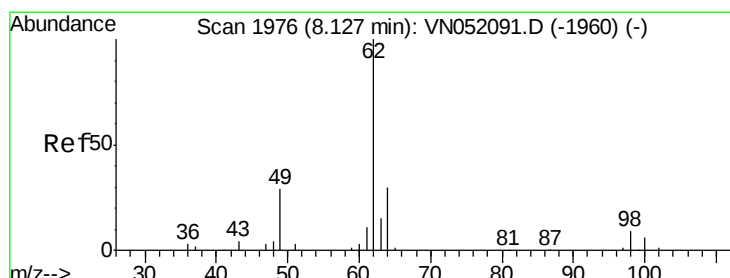
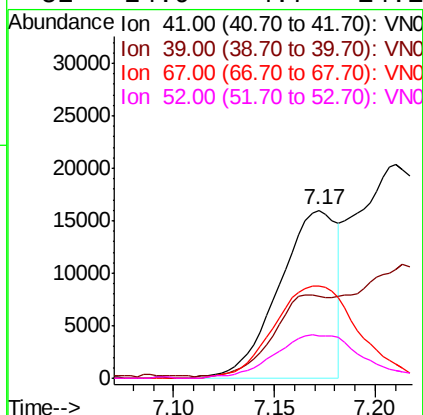
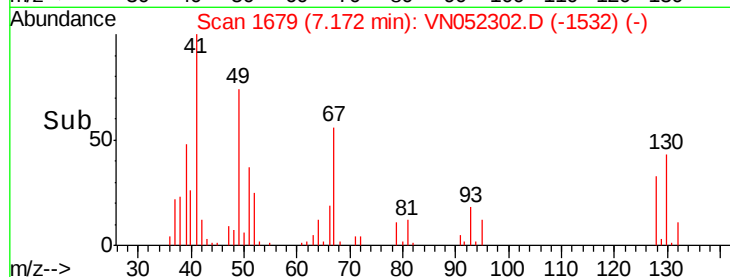
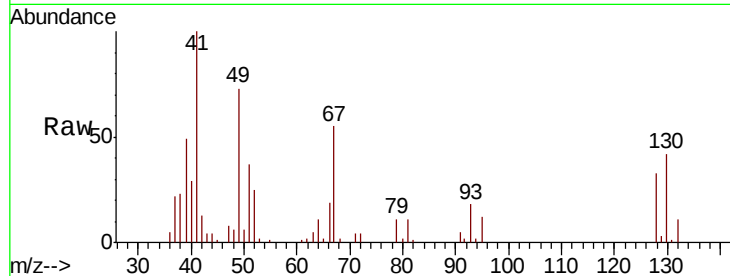
#35
Methacrylonitrile
Concen: 20.786 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.9	26.1	78.3
67	55.2	11.0	33.0#
52	24.9	4.7	14.1#

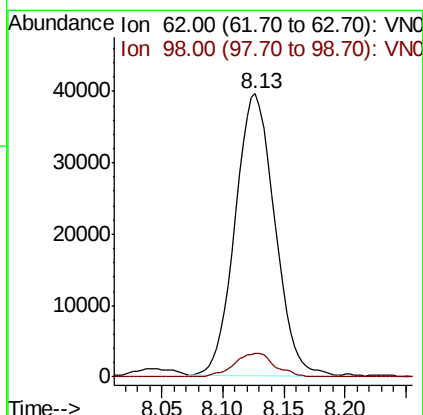
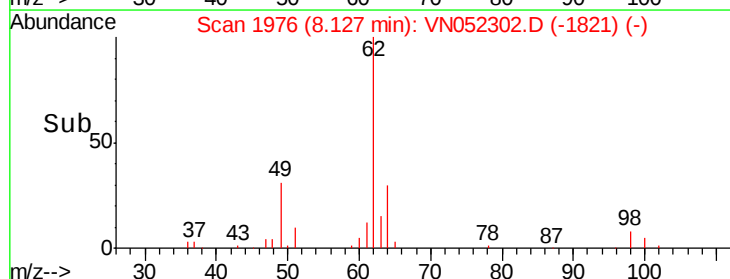
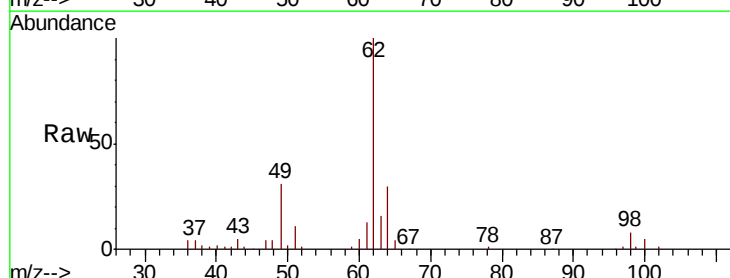
Manual Integrations
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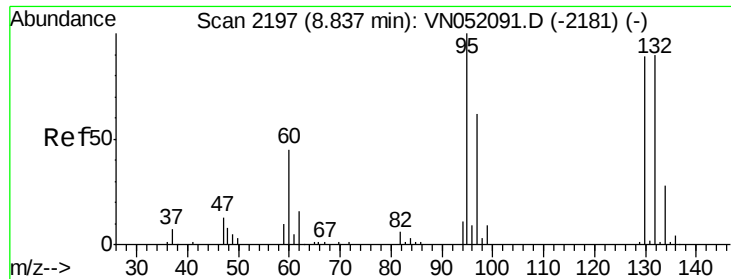
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#36
1,2-Dichloroethane
Concen: 21.594 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.7	10.1





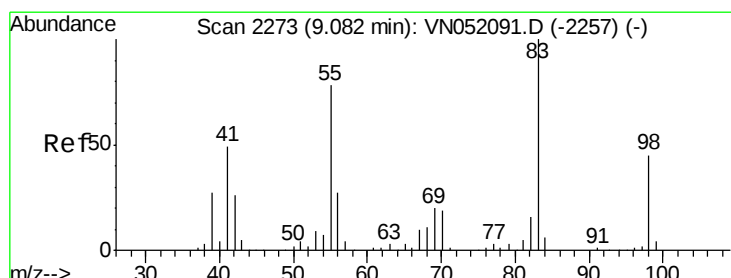
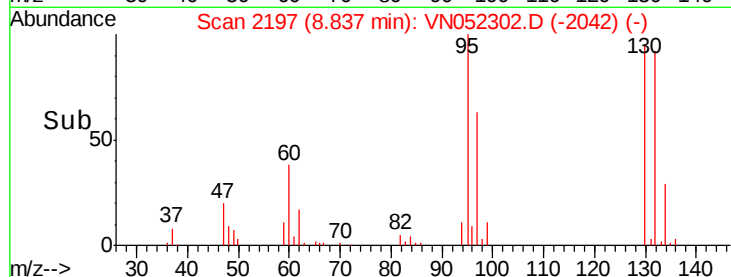
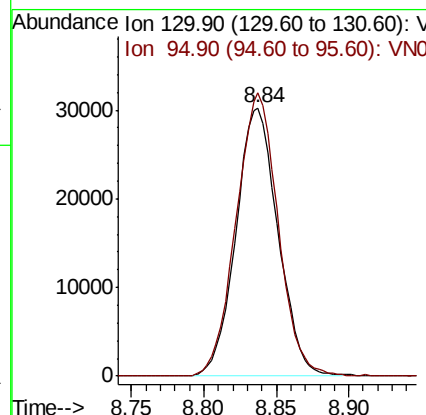
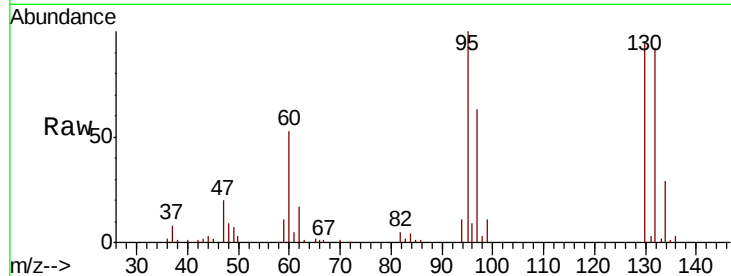
#37
 Trichloroethene
 Concen: 19.801 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 60947
 Ion Ratio Lower Upper
 130 100
 95 105.4 89.9 134.9

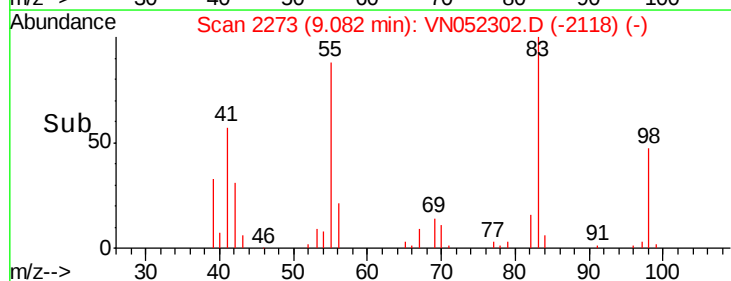
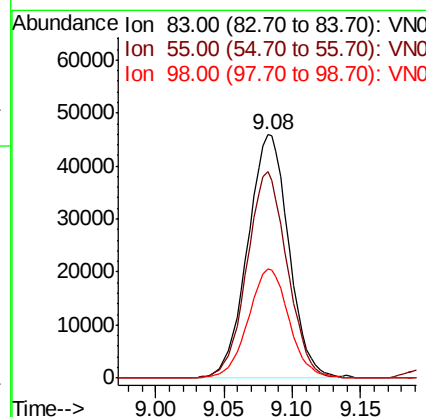
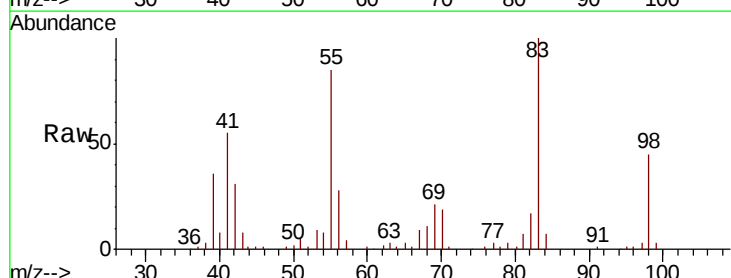
Manual Integrations
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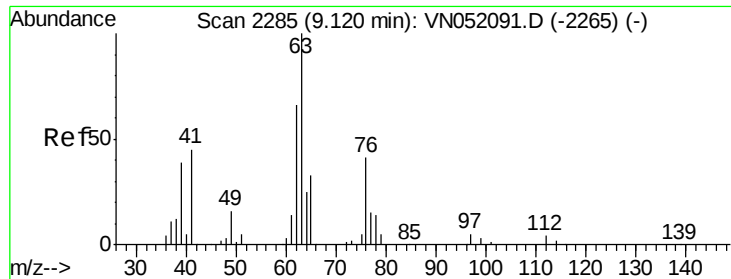
MMDadoda
 11/14/2018 11:10:38 AM



#38
 Methylcyclohexane
 Concen: 18.743 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion: 83 Resp: 96029
 Ion Ratio Lower Upper
 83 100
 55 83.2 38.5 115.3
 98 44.6 23.2 69.6





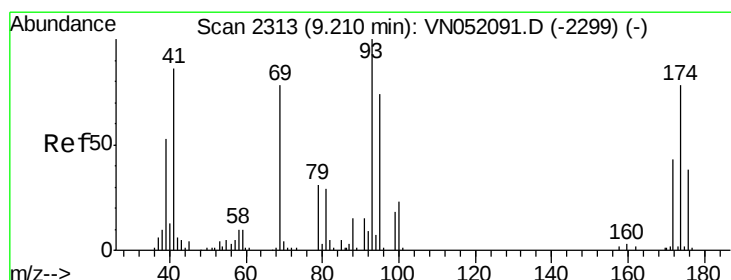
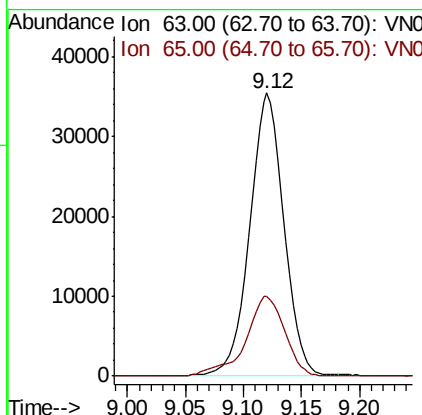
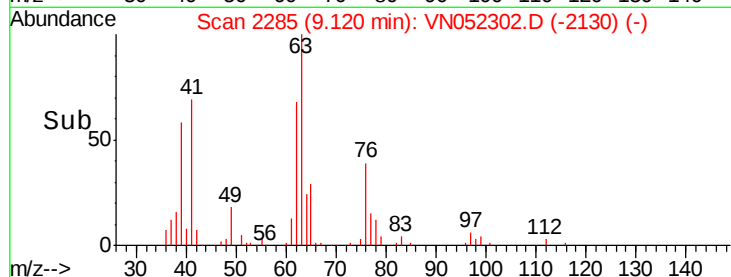
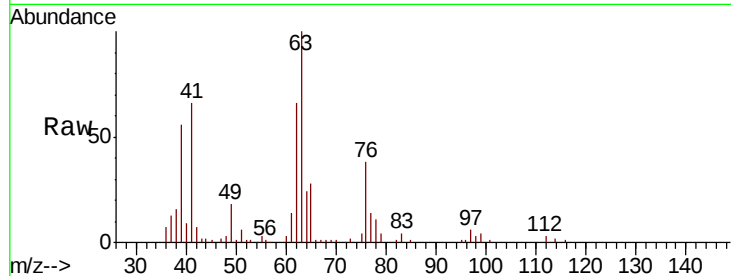
#39
 1,2-Dichloropropane
 Concen: 22.257 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 72860
 Ion Ratio Lower Upper
 63 100
 65 28.2 27.3 40.9

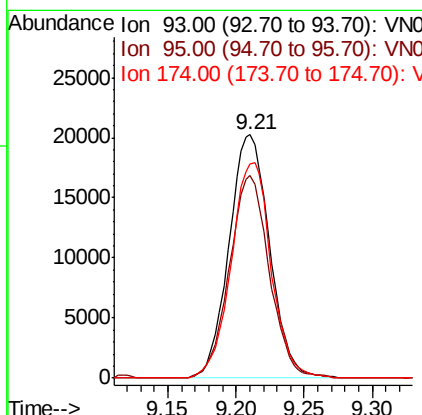
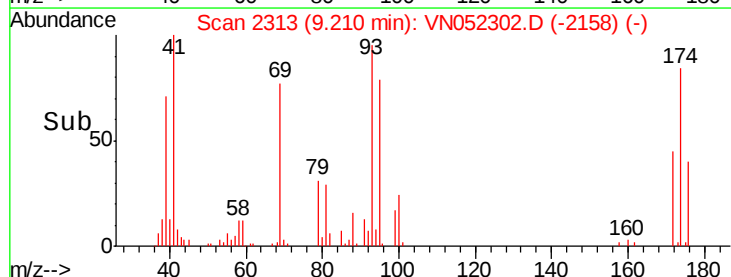
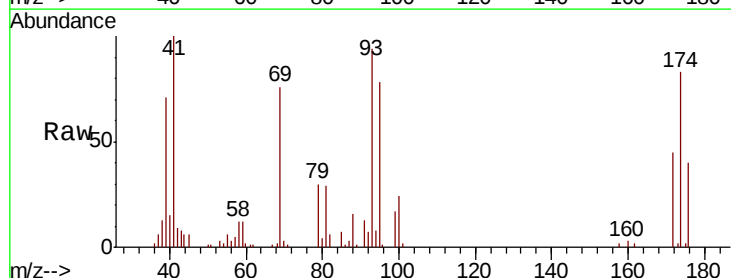
Manual Integrations
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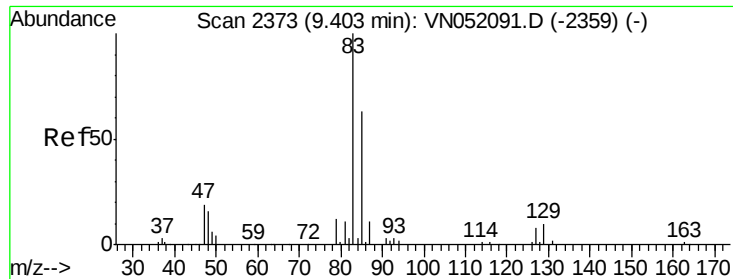
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#40
 Dibromomethane
 Concen: 20.735 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion: 93 Resp: 41840
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 161.2
 174 87.2 0.0 165.0





#41

Bromodichloromethane

Concen: 20.206 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

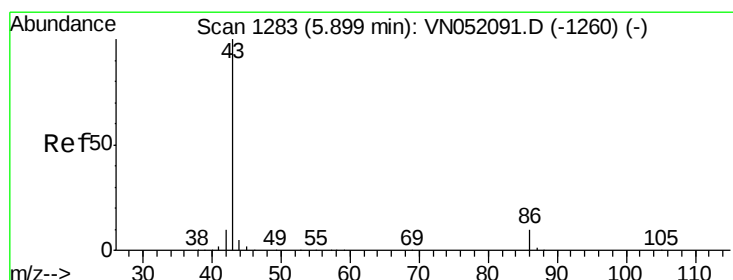
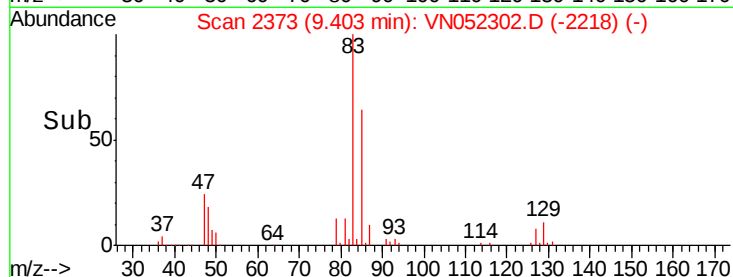
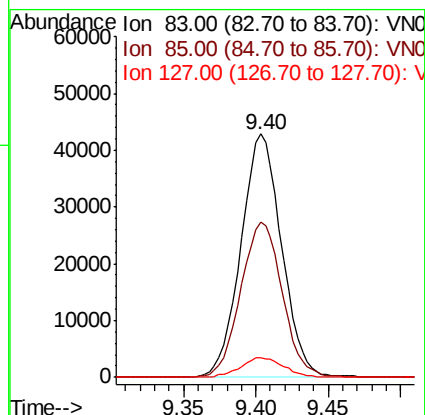
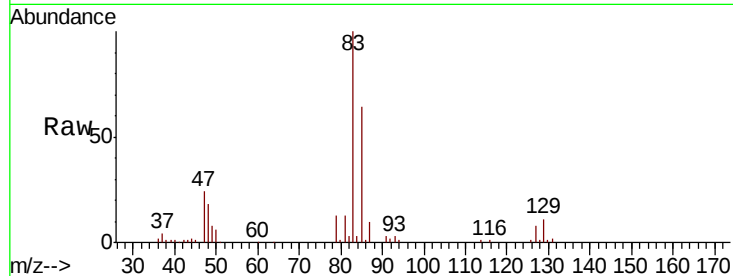
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	83422
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2
127	7.8	6.6	10.0

Manual Integrations
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11/14/2018 11:10:38 AM



#42

Vinyl Acetate

Concen: 118.770 ug/l

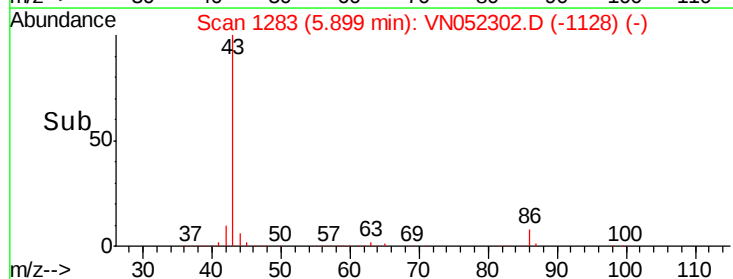
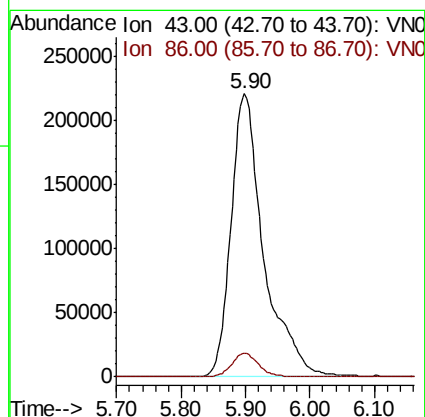
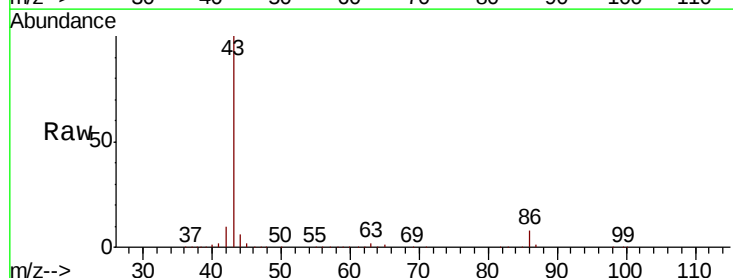
RT: 5.90 min Scan# 1283

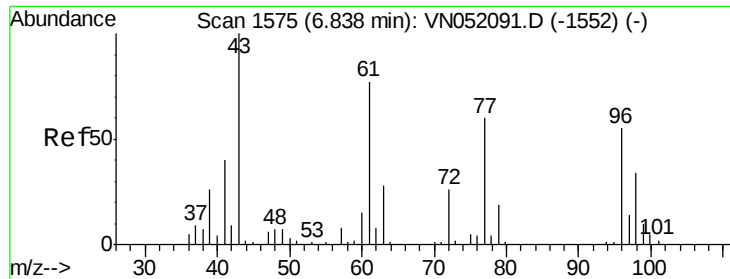
Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	43	Resp:	777695
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.6	10.0





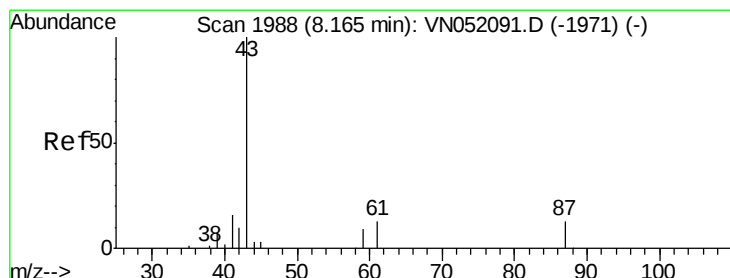
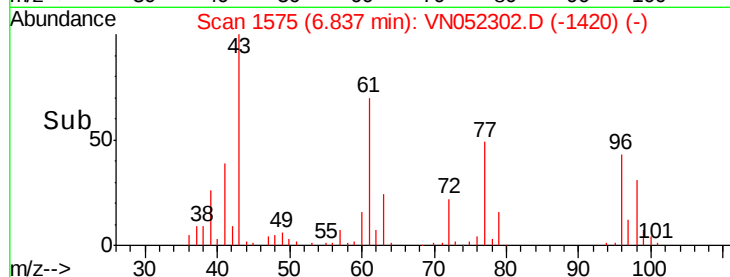
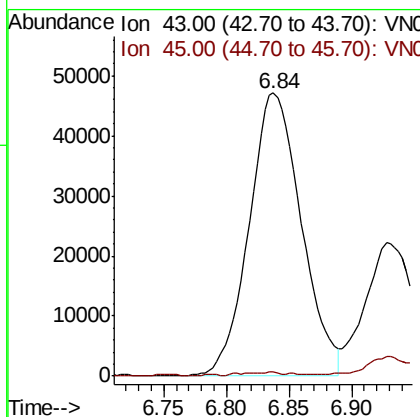
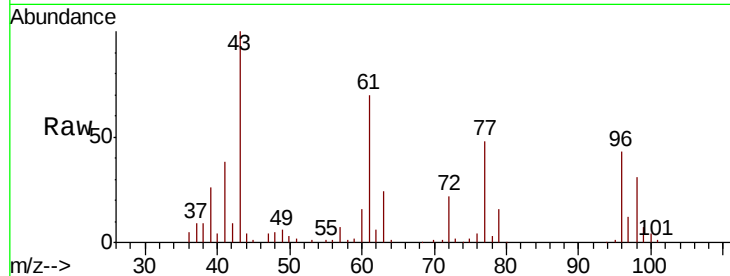
#43
Ethyl Acetate
Concen: 24.044 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 135151
Ion Ratio Lower Upper
43 100
45 0.2 3.8 5.8#

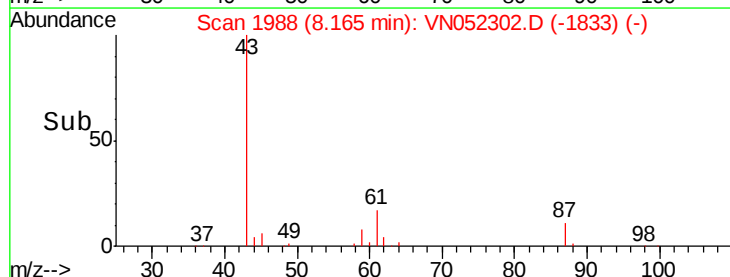
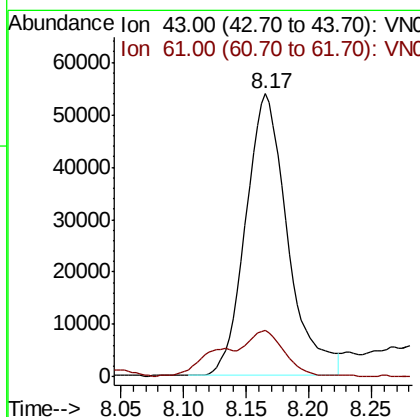
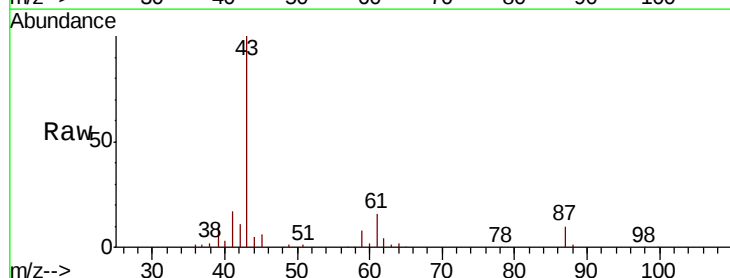
Manual Integrations
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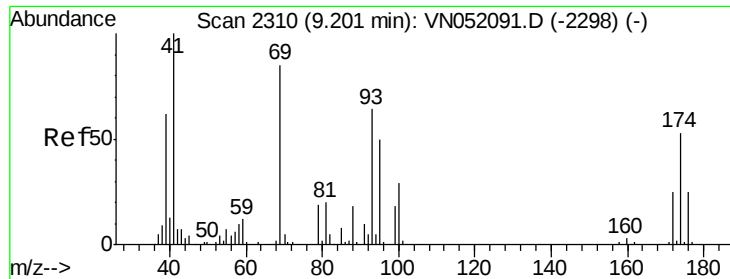
MMDadoda
11/14/2018 11:10:38 AM



#44
Isopropyl Acetate
Concen: 26.956 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion: 43 Resp: 125449
Ion Ratio Lower Upper
43 100
61 13.5 16.2 24.2#





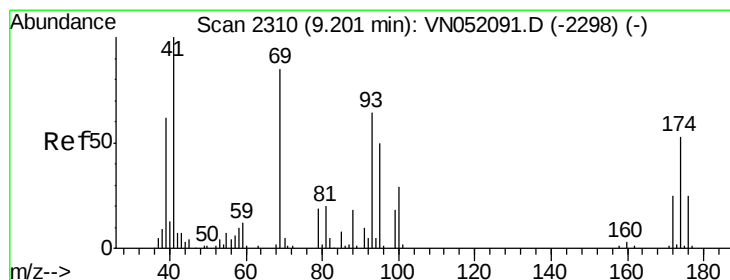
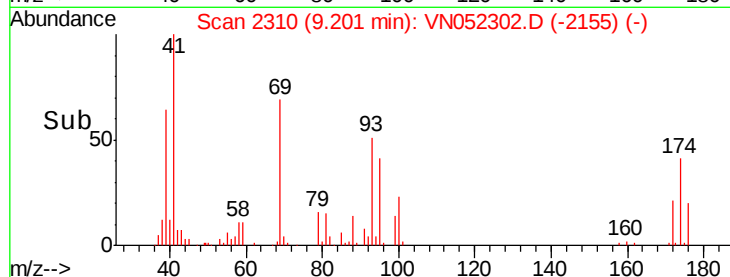
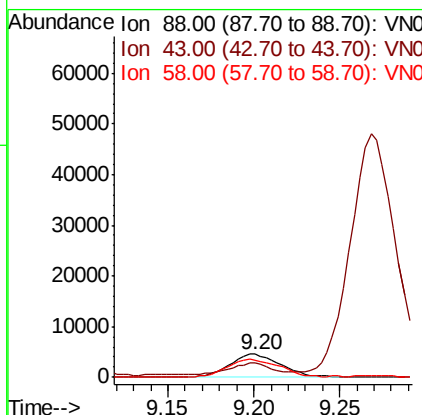
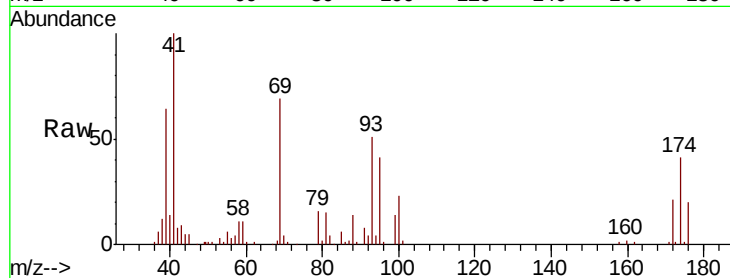
#45
 1,4-Dioxane
 Concen: 443.417 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.9	28.6	43.0
58	81.2	37.8	56.8#

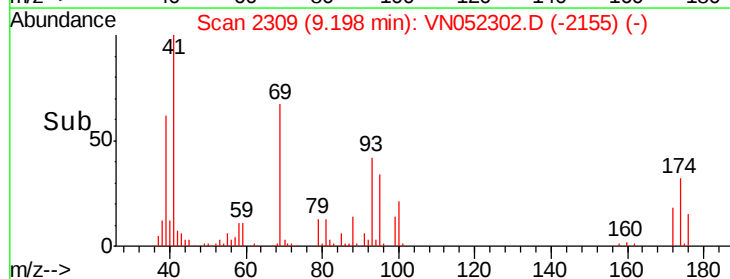
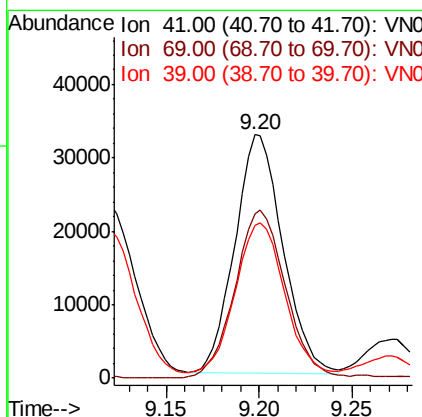
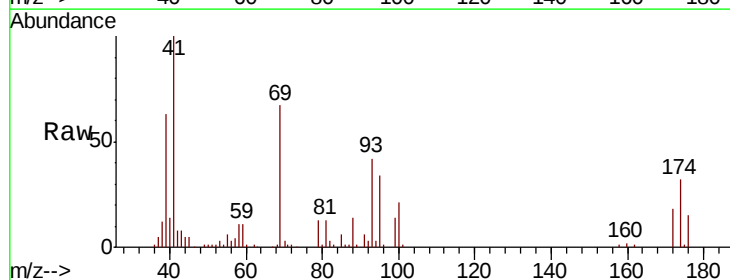
Manual Integrations
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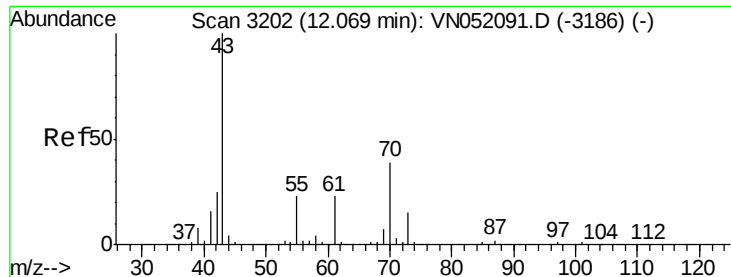
MMDadoda
 11/14/2018 11:10:38 AM



#46
 Methyl methacrylate
 Concen: 25.179 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	68.3	42.5	127.6
39	61.8	31.1	93.3





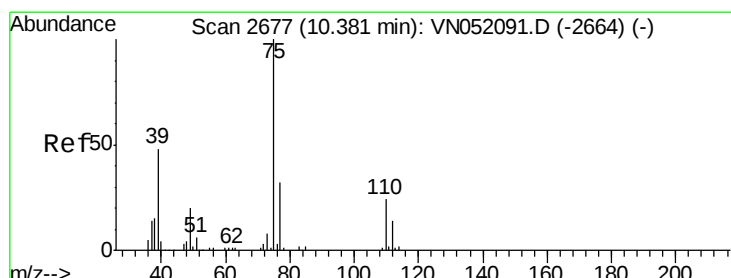
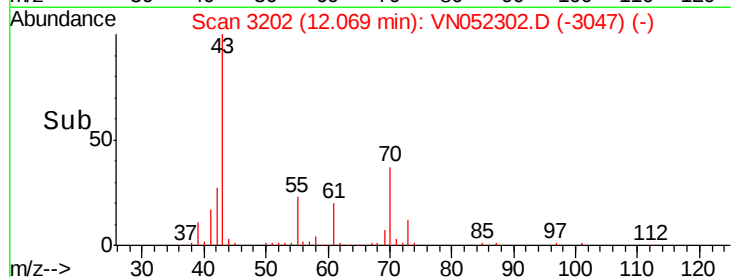
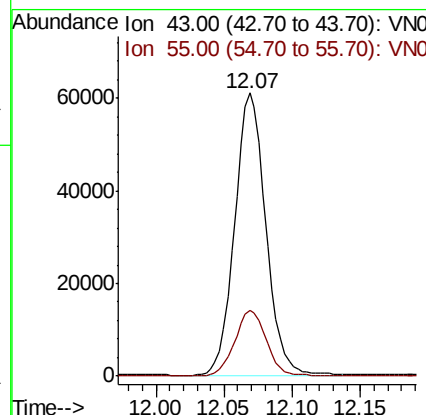
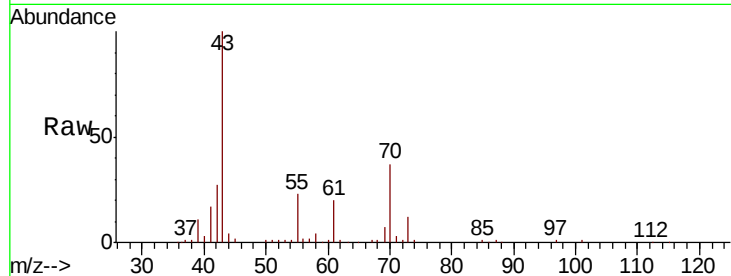
#47
n-amvl Acetate
Concen: 22.845 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 96374
Ion Ratio Lower Upper
43 100
55 23.7 0.0 0.0#

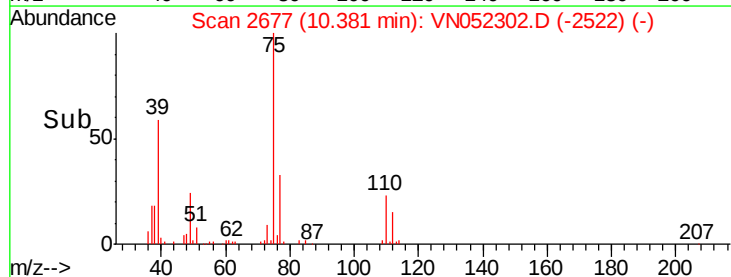
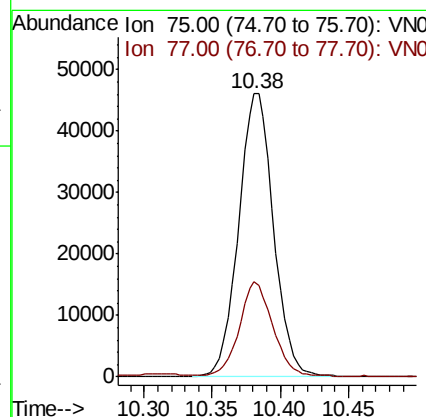
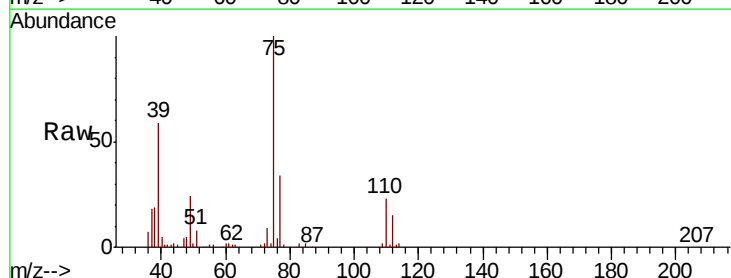
Manual Integrations
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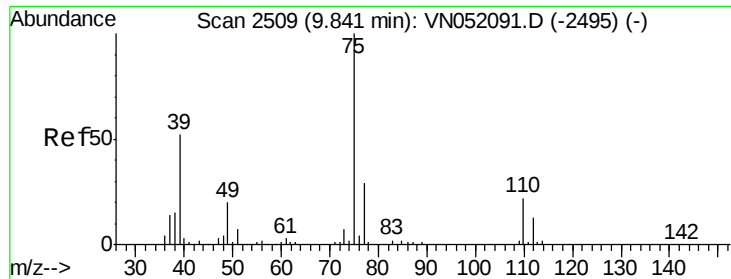
MMDadoda
11/14/2018 11:10:38 AM



#48
t-1,3-Dichloropropene
Concen: 19.987 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion: 75 Resp: 81939
Ion Ratio Lower Upper
75 100
77 33.5 26.3 39.5





#49

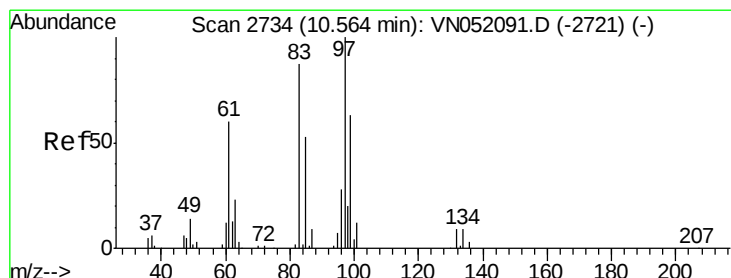
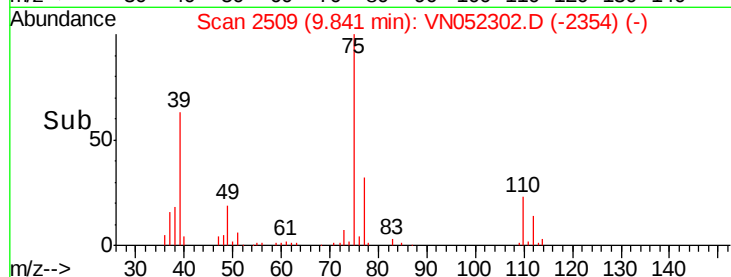
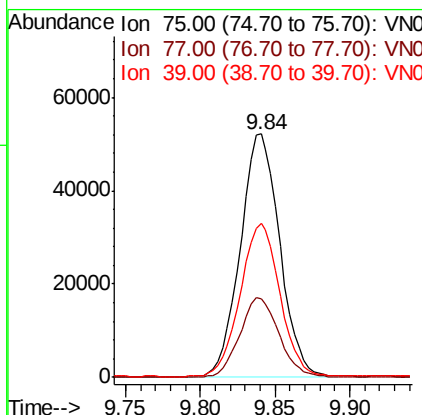
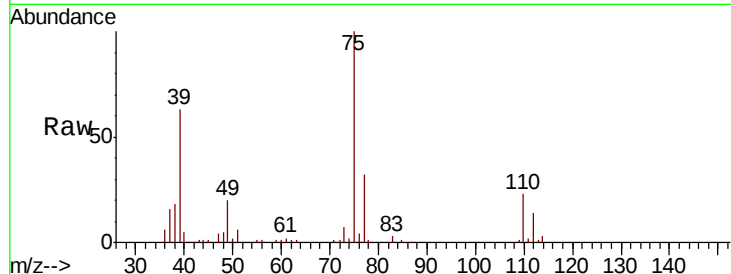
cis-1,3-Dichloropropene
Concen: 20.279 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	23.3	34.9
39	62.8	41.6	62.4#

Manual Integrations
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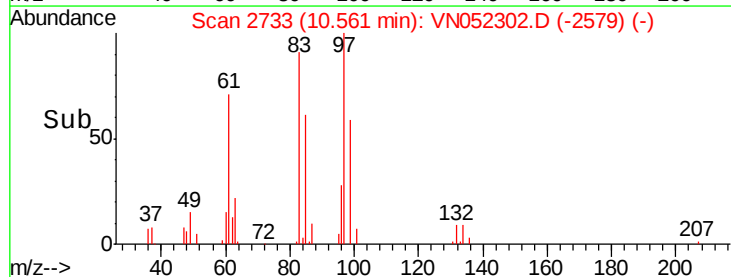
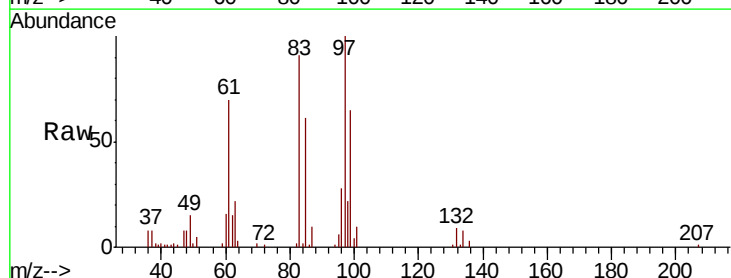
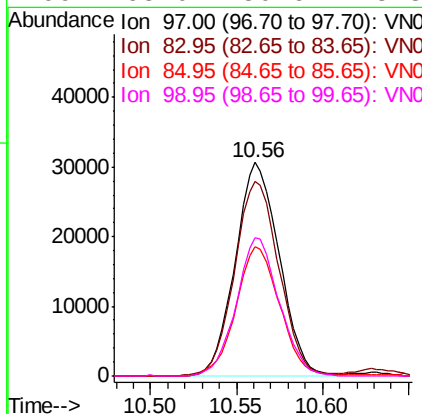
MMDadoda
11/14/2018 11:10:38 AM

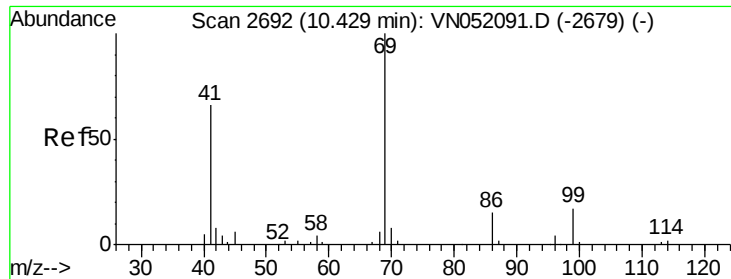


#50

1,1,2-Trichloroethane
Concen: 20.374 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.4	104.0
85	60.5	42.7	64.1
99	65.0	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.798 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

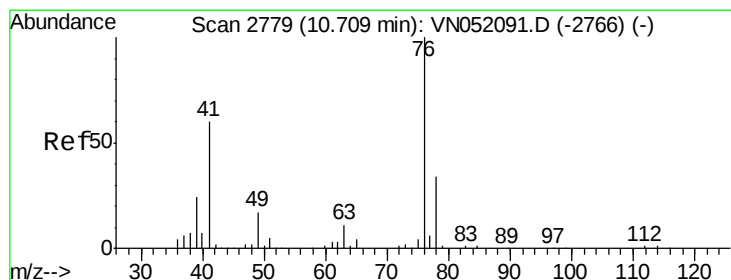
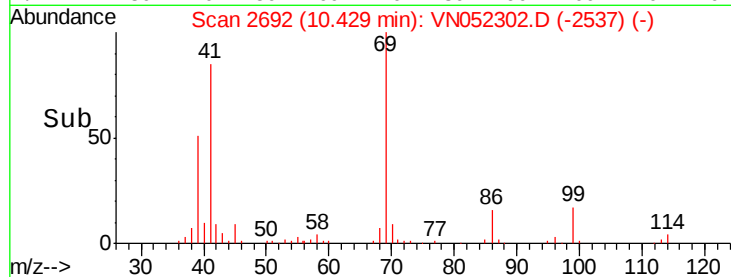
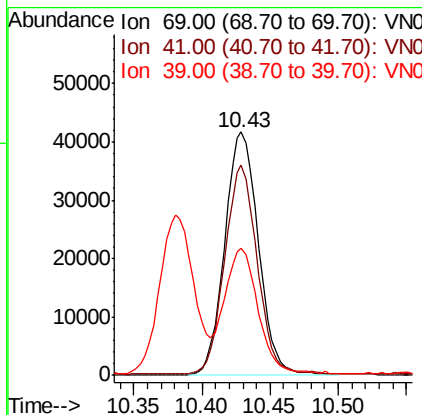
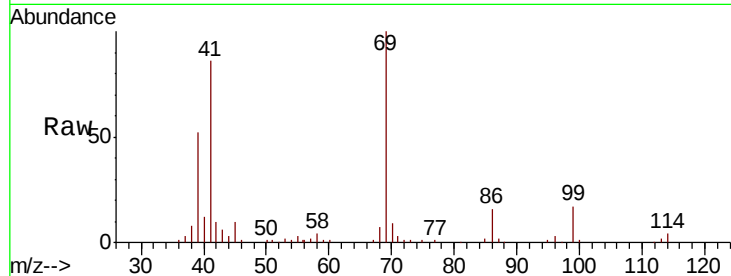
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	71722
Ion Ratio	Lower	Upper	
69	100		
41	85.6	33.0	99.0
39	51.5	20.7	62.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.135 ug/l

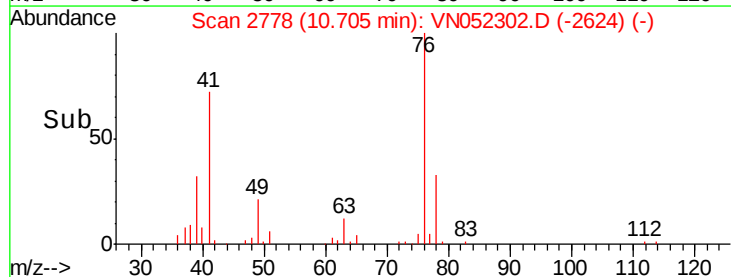
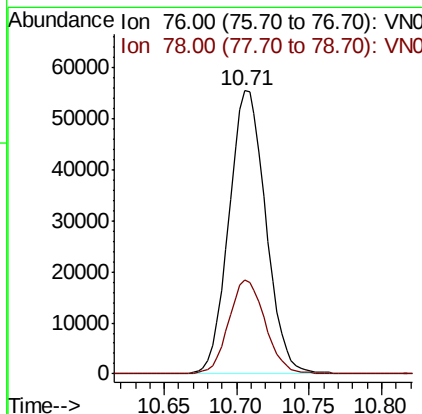
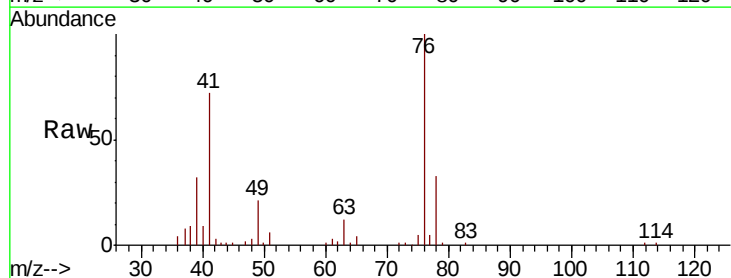
RT: 10.71 min Scan# 2778

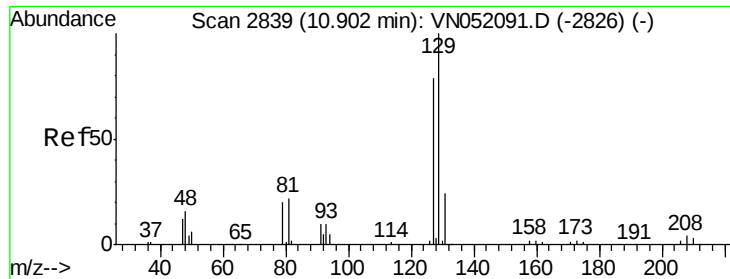
Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	76	Resp:	98229
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	65.0





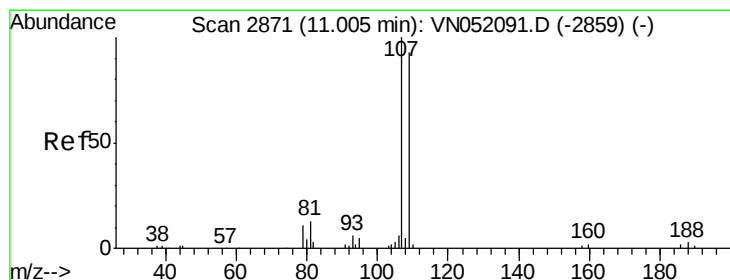
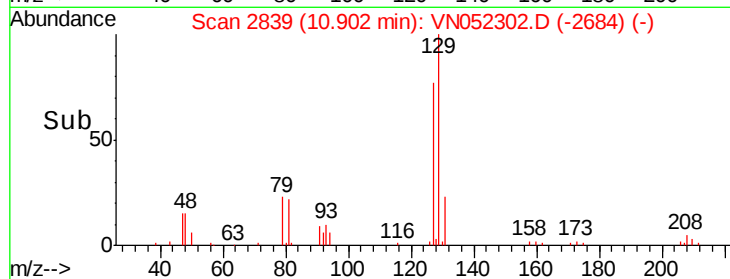
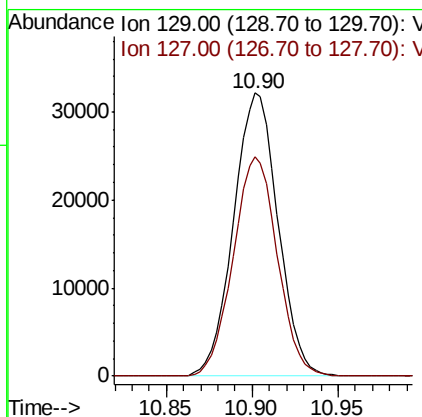
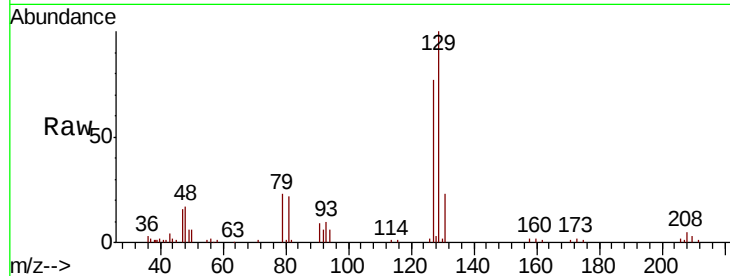
#53
Dibromochloromethane
Concen: 20.050 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 57756
Ion Ratio Lower Upper
129 100
127 77.0 39.2 117.6

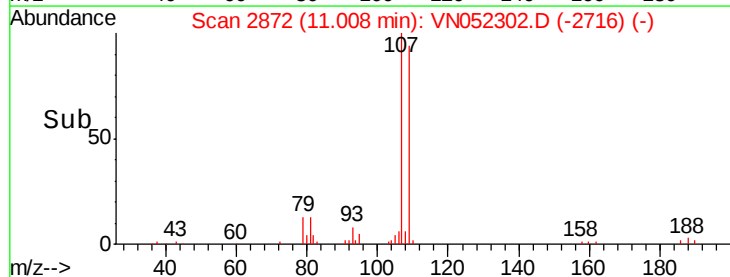
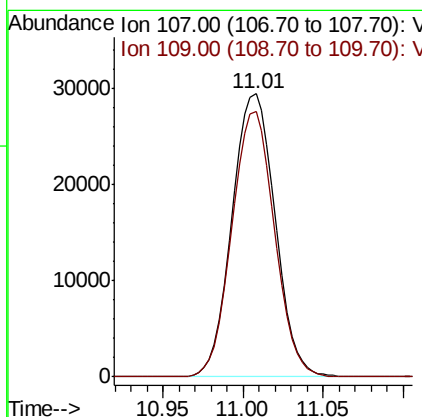
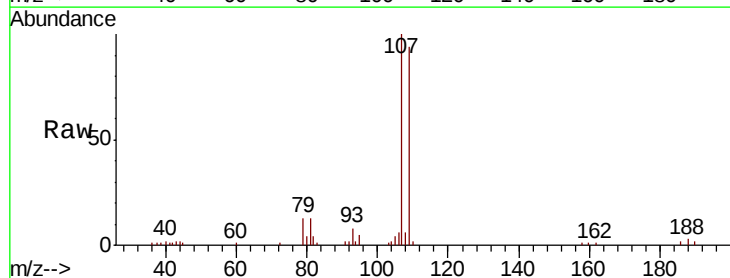
Manual Integrations
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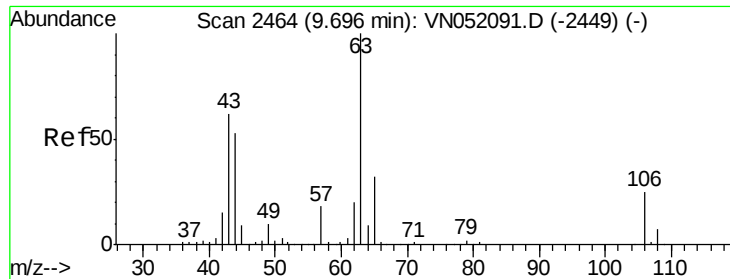
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#54
1,2-Dibromoethane
Concen: 20.054 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion:107 Resp: 54262
Ion Ratio Lower Upper
107 100
109 92.5 77.0 115.6





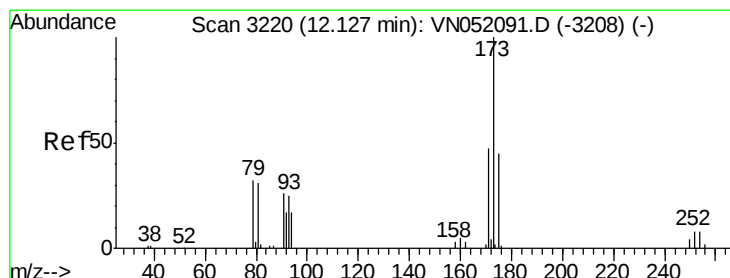
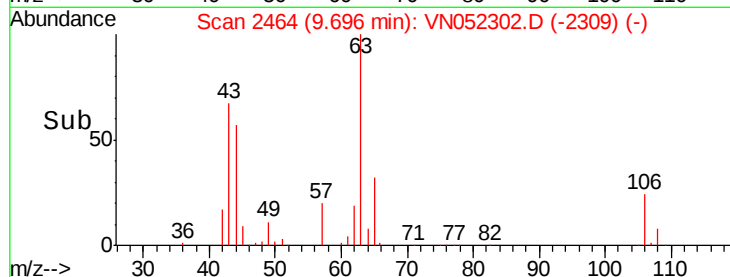
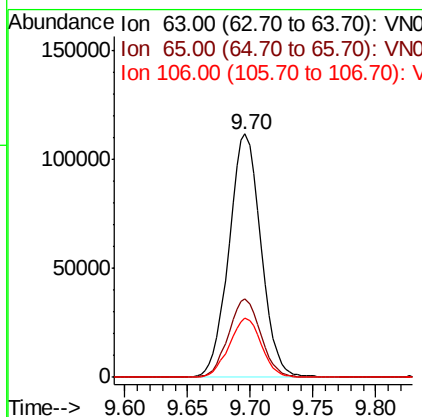
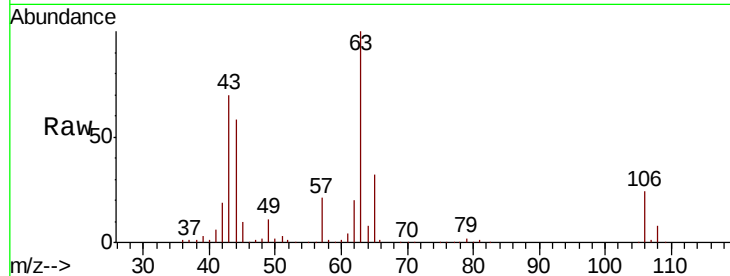
#55
2-Chloroethyl vinyl ether
Concen: 105.245 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3
106	24.3	20.4	30.6

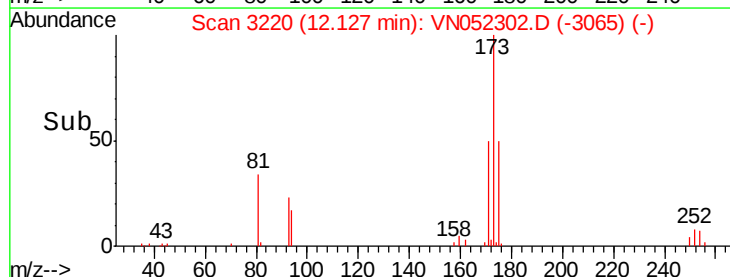
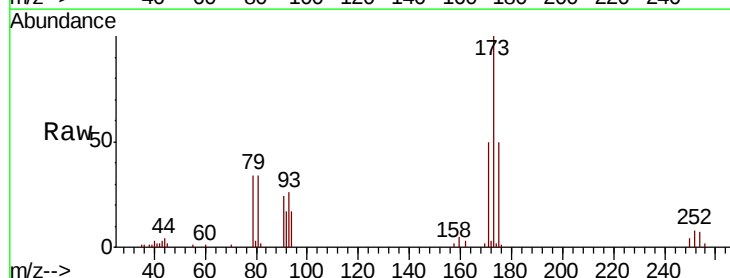
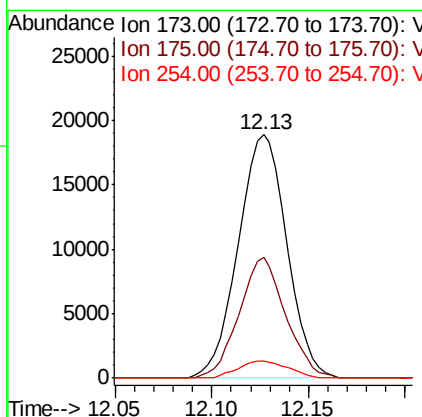
Manual Integrations
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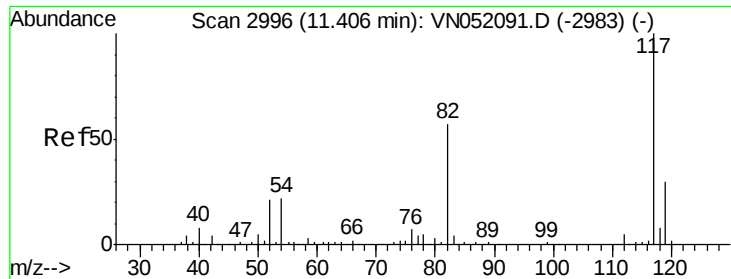
MMDadoda
11/14/2018 11:10:38 AM



#56
Bromoform
Concen: 19.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	37.3	55.9
254	7.2	7.0	10.6





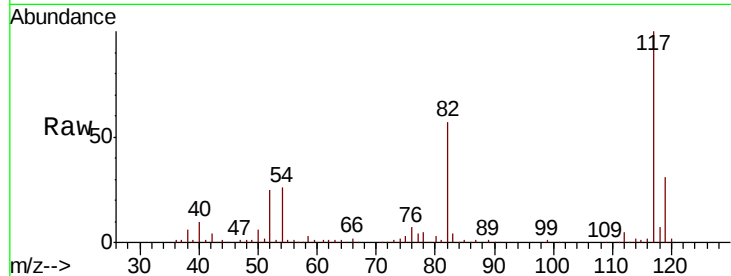
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.0	67.6
119	31.5	24.2	36.4

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11/14/2018 11:10:38 AM

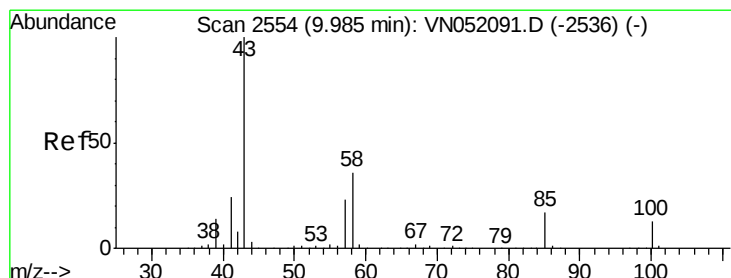
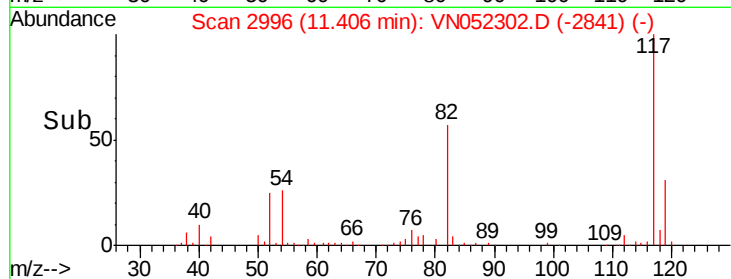
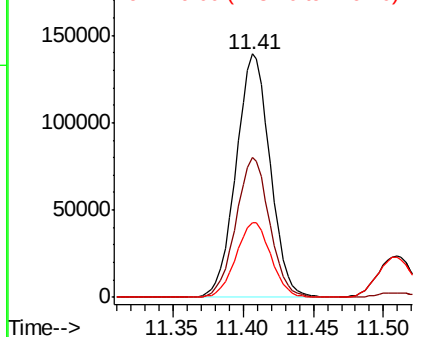


Abundance

Ion 117.00 (116.70 to 117.70): V

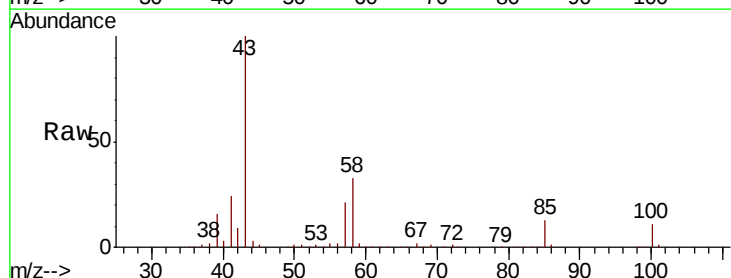
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 126.227 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.0	43.6
85	13.8	13.4	20.2

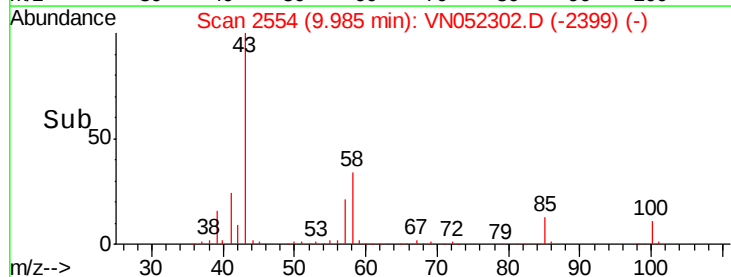
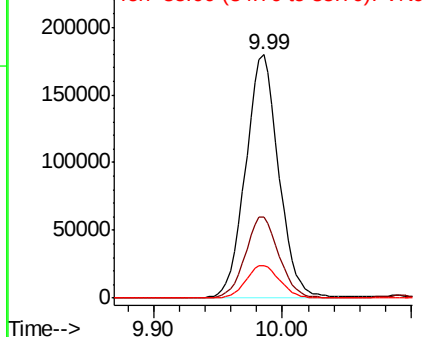


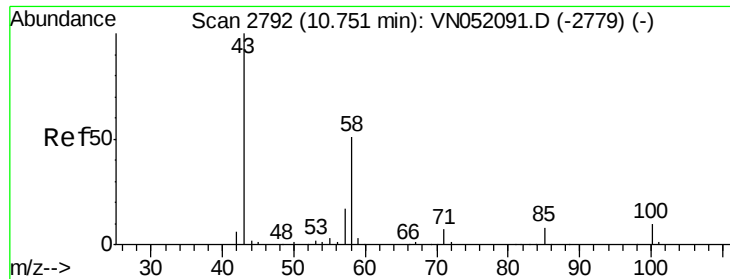
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





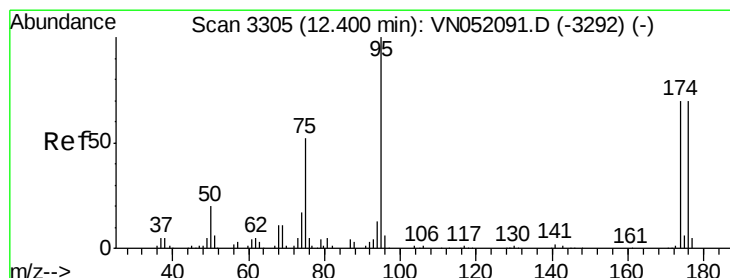
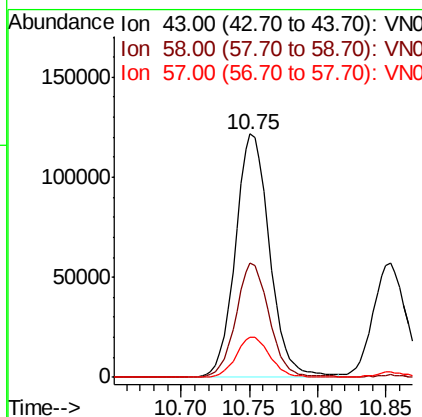
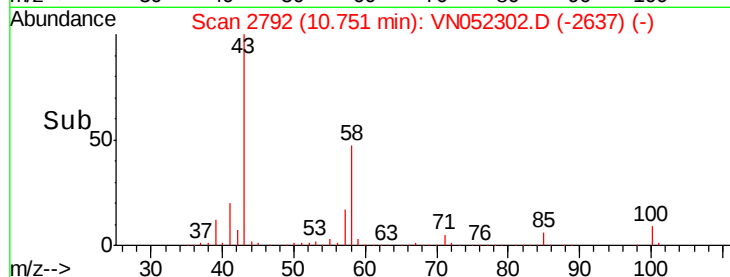
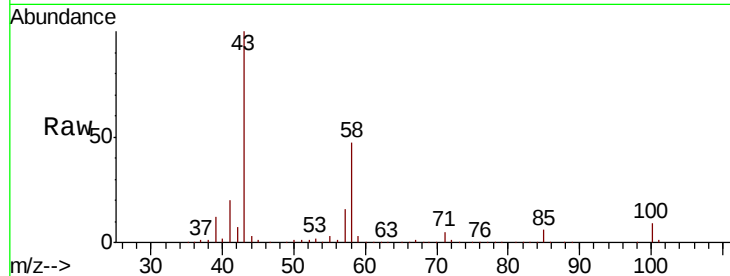
#59
2-Hexanone
Concen: 120.456 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.9	40.8	61.2
57	16.7	13.8	20.8

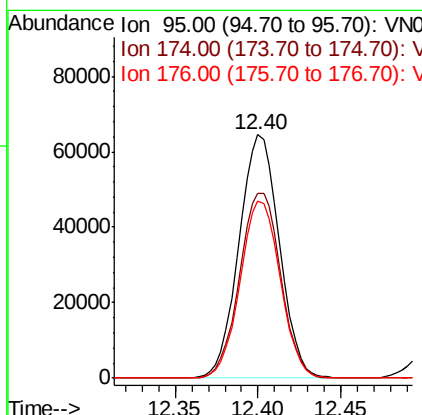
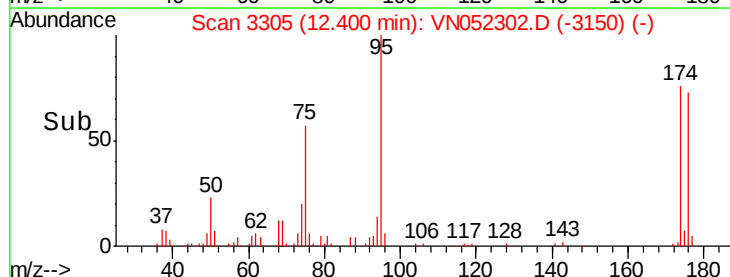
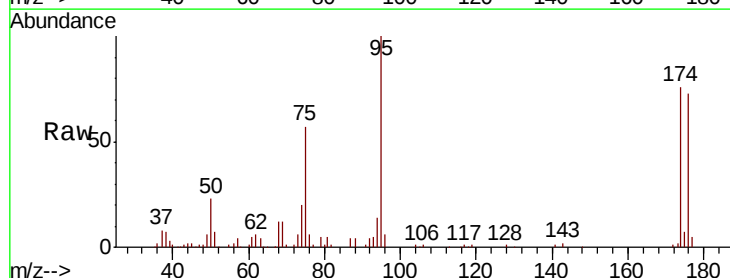
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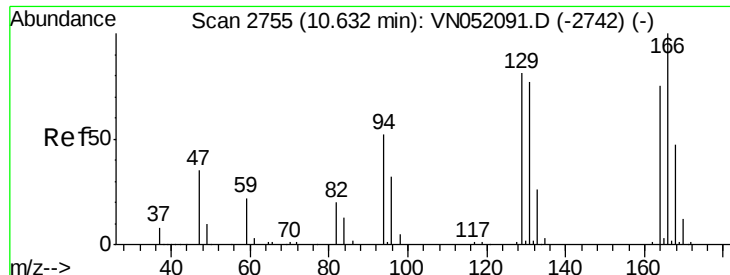
MMDadoda
11/14/2018 11:10:38 AM



#60
4-Bromofluorobenzene
Concen: 120.456 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	55.0	82.6
176	72.3	54.2	81.4





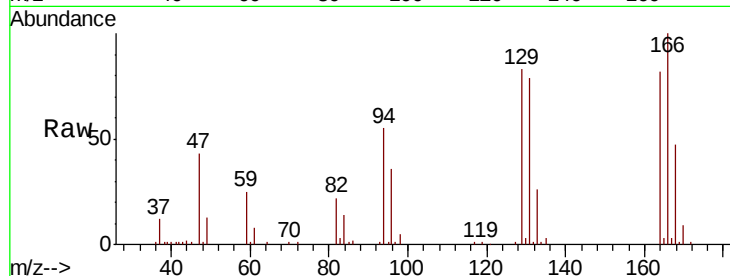
#61
Tetrachloroethene
Concen: 21.276 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.4	106.4	159.6
129	100.8	87.0	130.4
131	96.2	81.4	122.2

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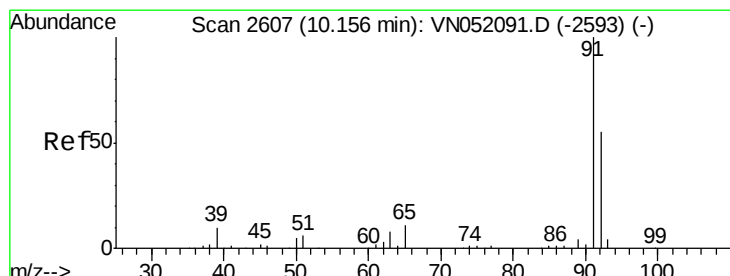
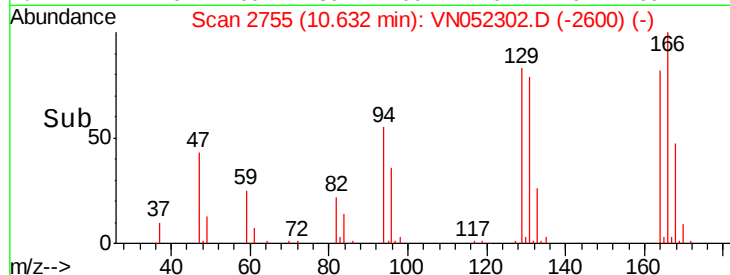
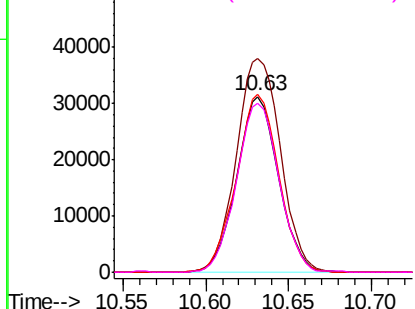
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

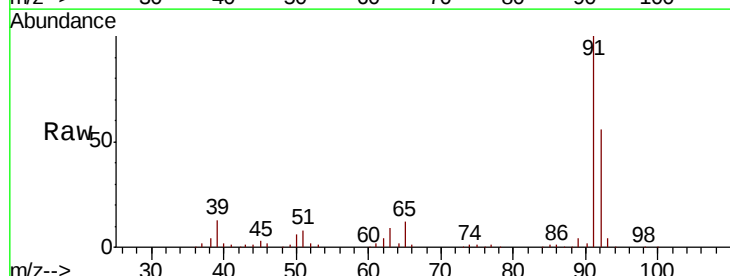
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.694 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

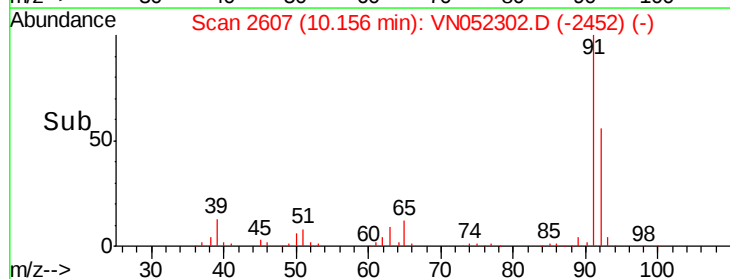
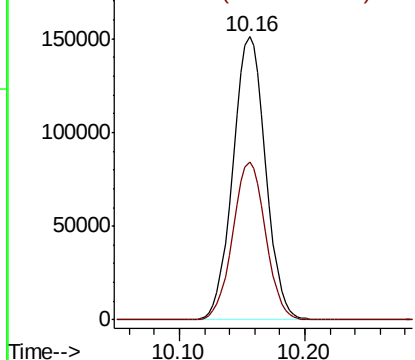
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.6	67.0

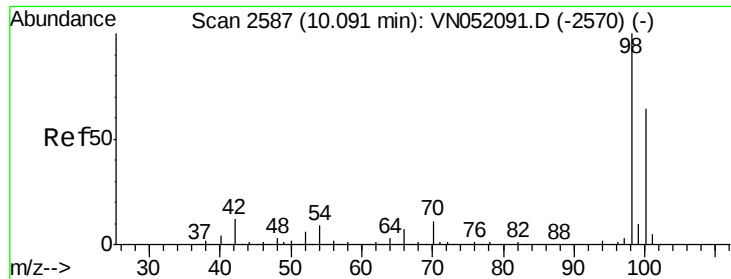


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.694 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 336428

Ion Ratio Lower Upper

98 100

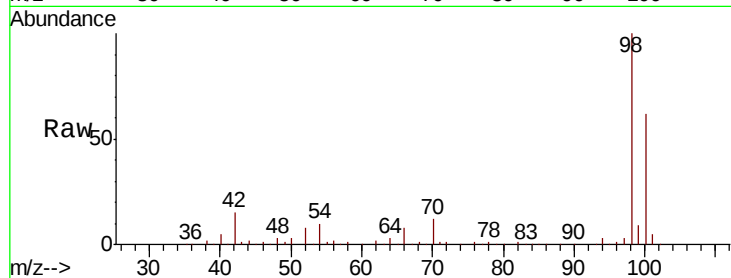
100 62.7 50.7 76.1

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Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

200000

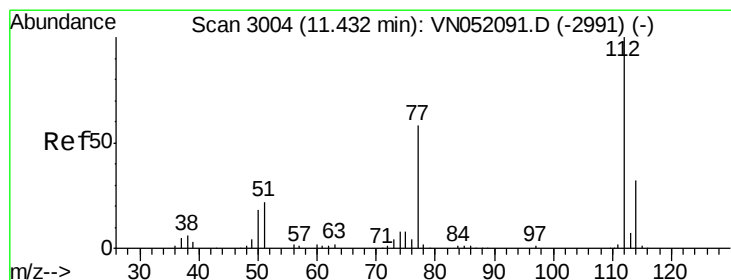
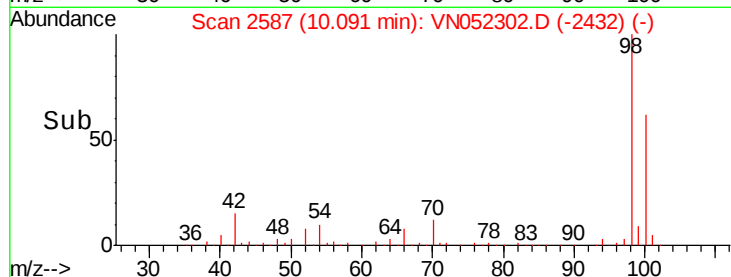
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 19.636 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052302.D

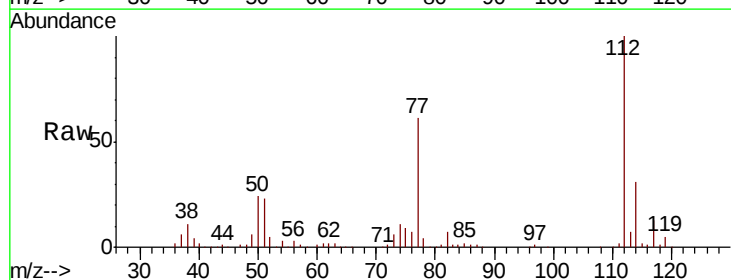
Acq: 13 Nov 2018 22:10

Tgt Ion: 112 Resp: 164615

Ion Ratio Lower Upper

112 100

114 31.0 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN052091.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN052091.D (-2991) (-)

11.43

100000

80000

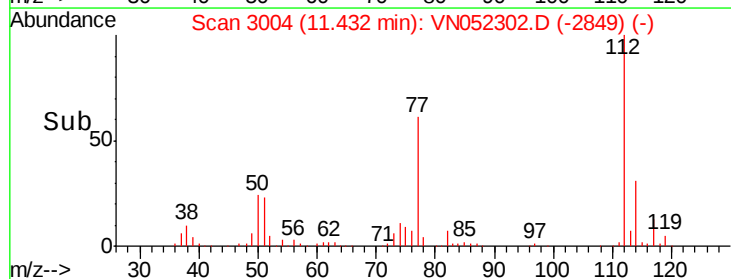
60000

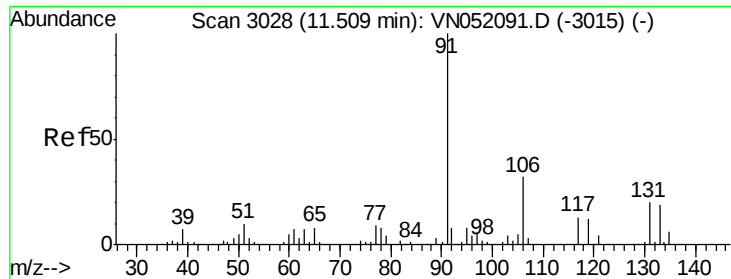
40000

20000

0

Time-->





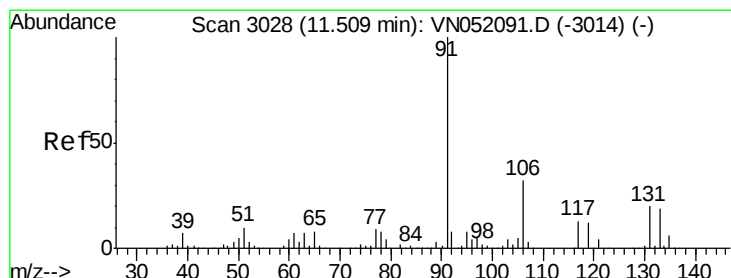
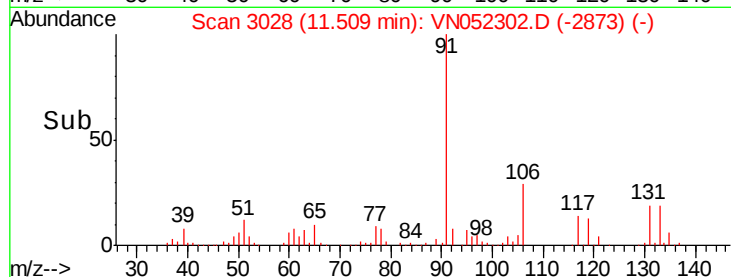
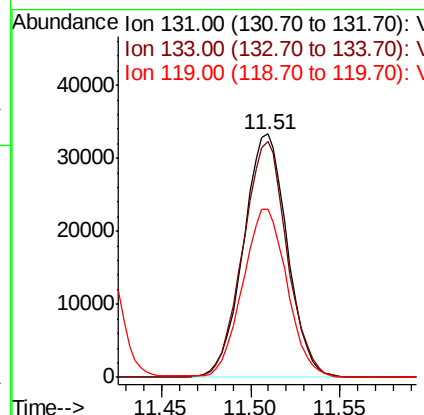
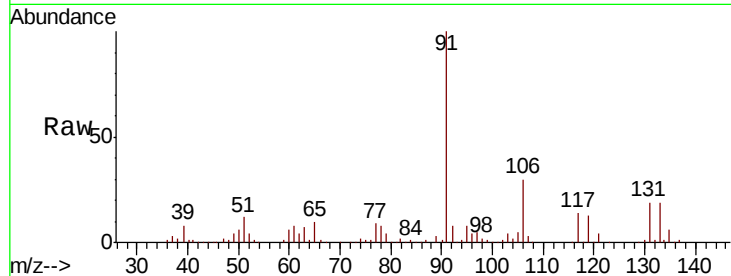
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.067 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	0.0	188.8
119	69.9	0.0	131.4

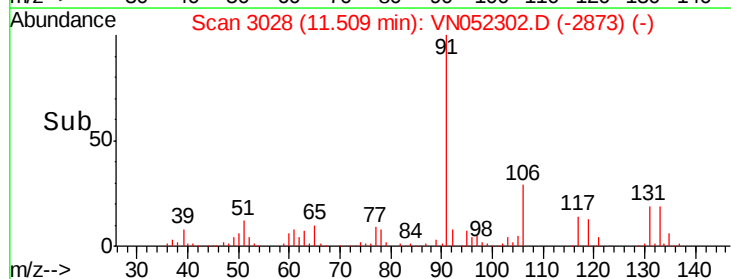
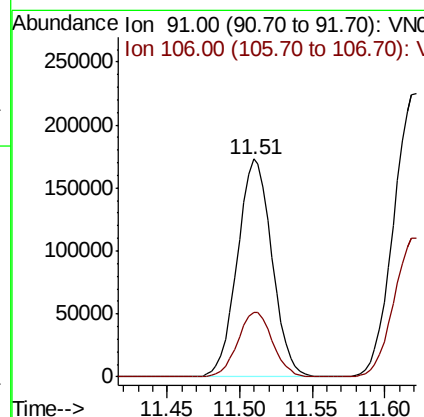
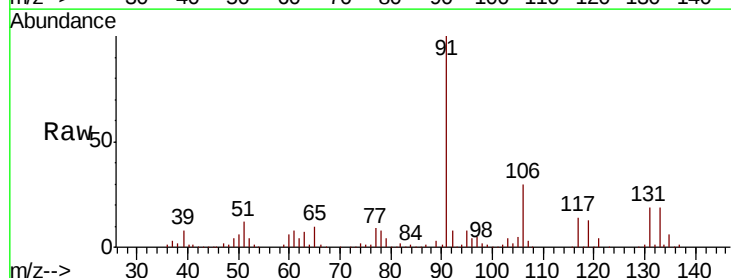
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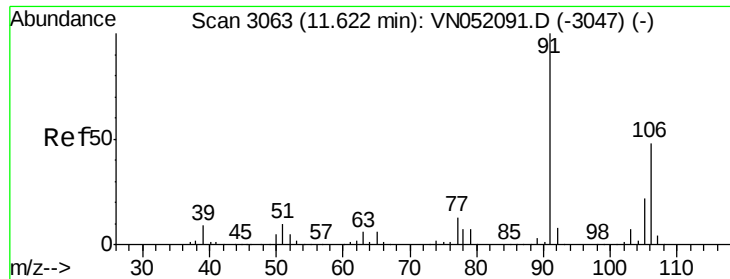
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#66
 Ethyl Benzene
 Concen: 19.996 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.7	38.5





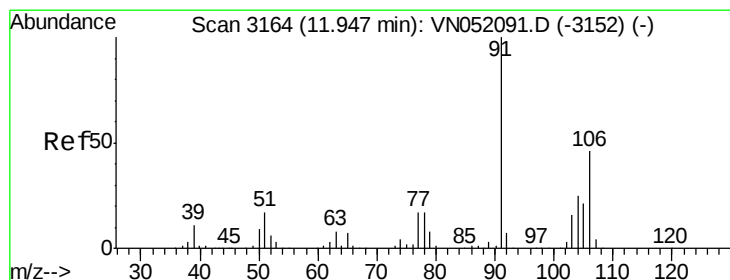
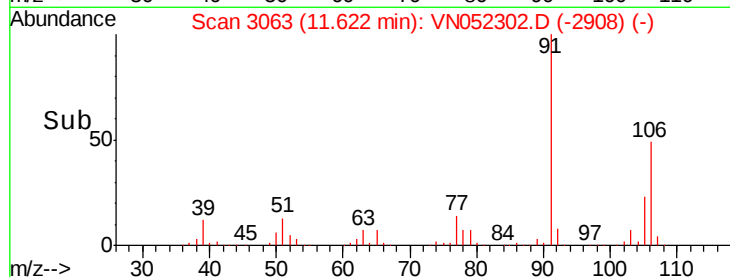
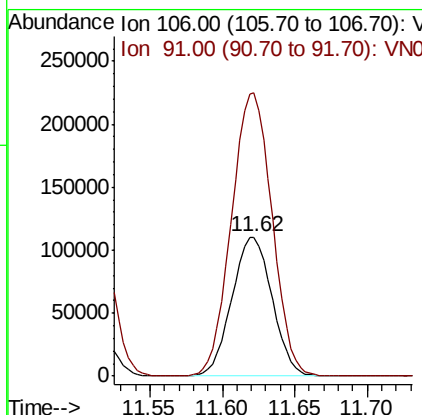
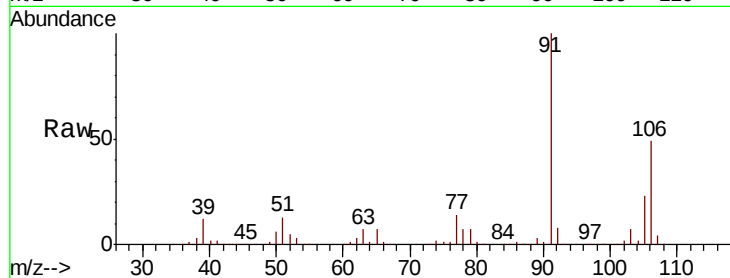
#67
m/p-Xvlenes
Concen: 38.725 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 213027
Ion Ratio Lower Upper
106 100
91 205.6 163.6 245.4

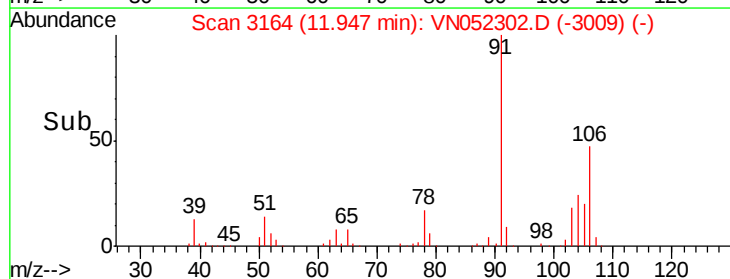
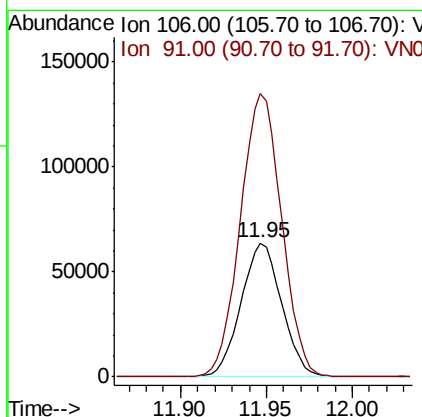
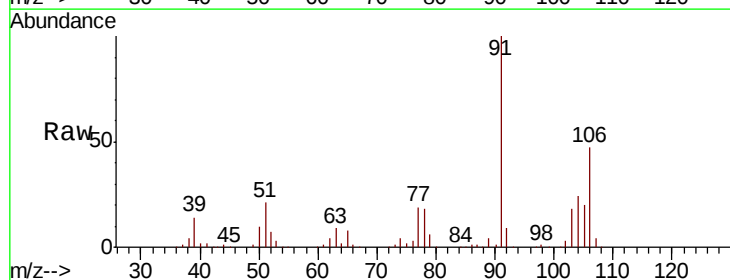
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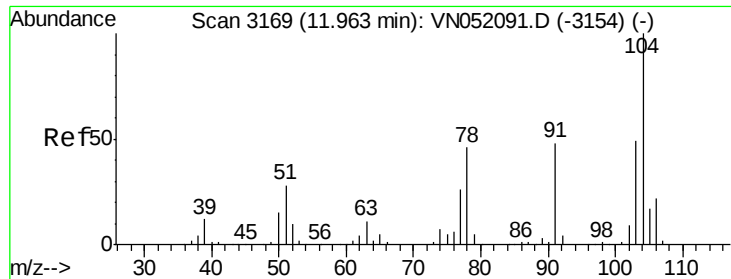
MMDadoda
11/14/2018 11:10:38 AM



#68
o-Xylene
Concen: 19.979 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion:106 Resp: 104783
Ion Ratio Lower Upper
106 100
91 214.3 110.0 330.0





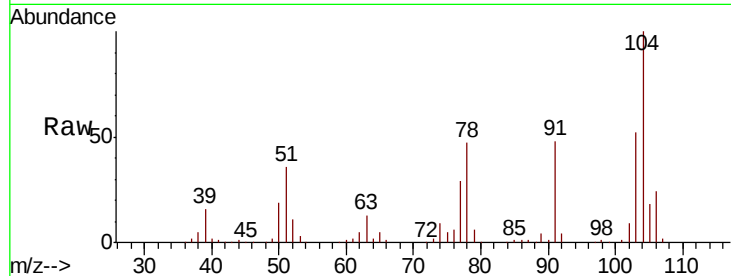
#69
Stvrene
Concen: 19.508 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	41.3	61.9
103	57.4	43.3	64.9

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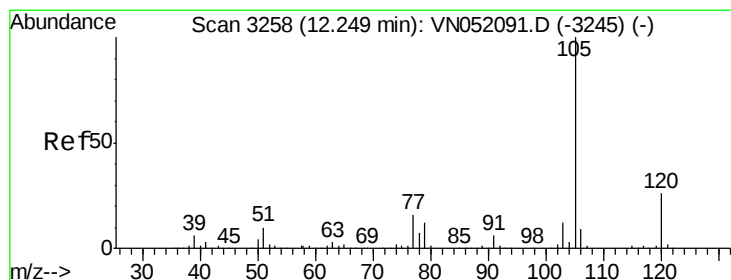
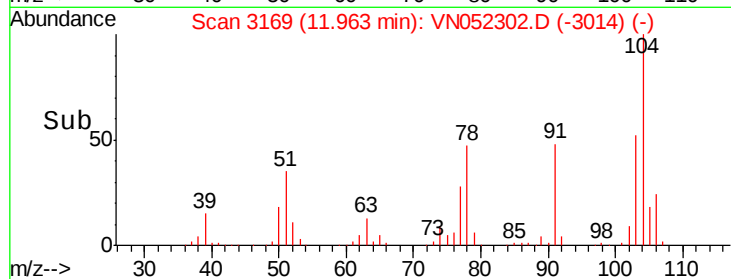
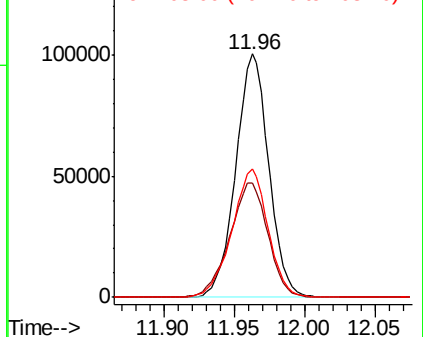


Abundance

Ion 104.00 (103.70 to 104.70): V

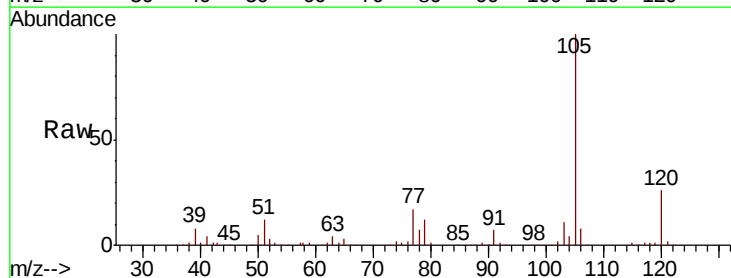
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 19.553 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

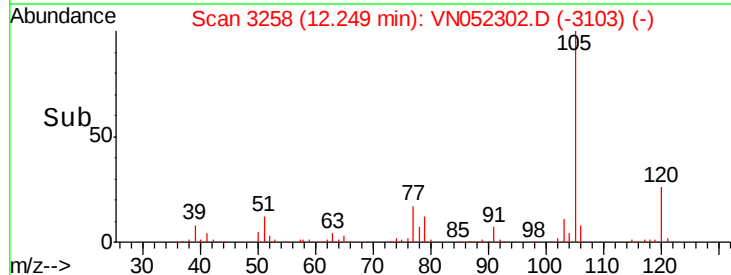
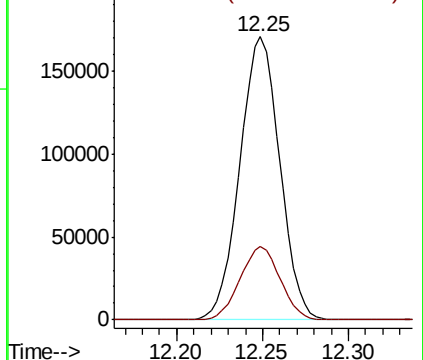
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2

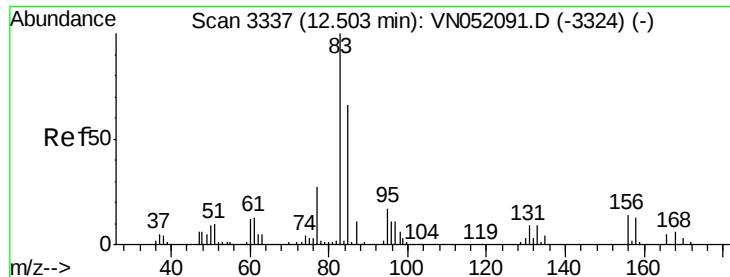


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 22.184 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

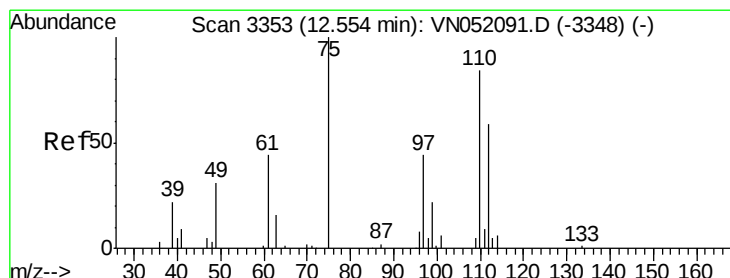
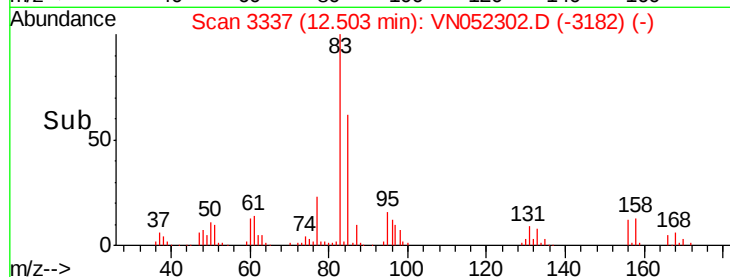
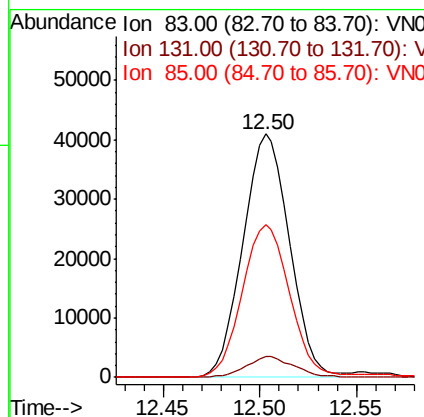
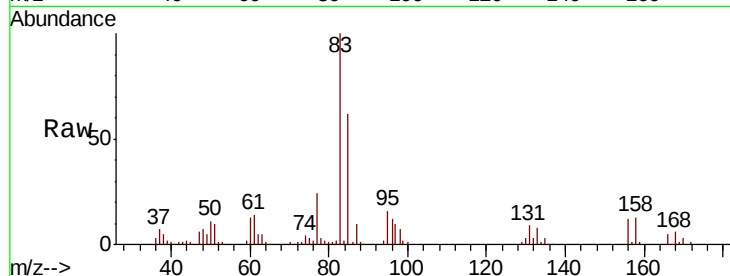
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	68698
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	63.9	32.7	98.1

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#72

1,2,3-Trichloropropane

Concen: 22.422 ug/l m

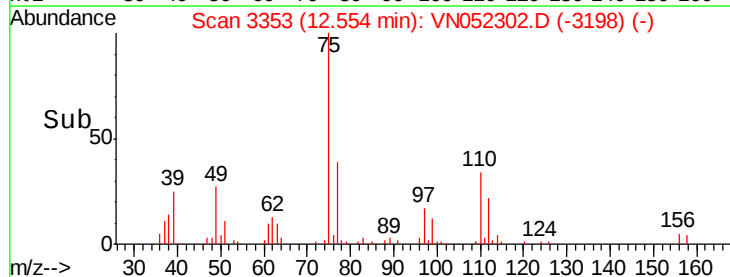
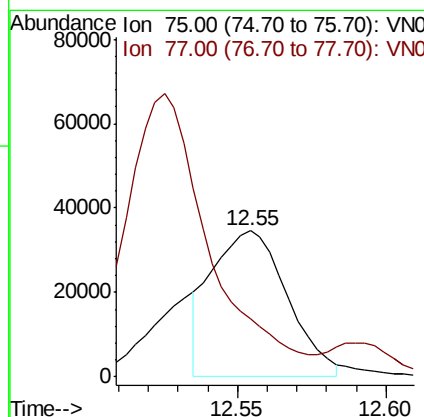
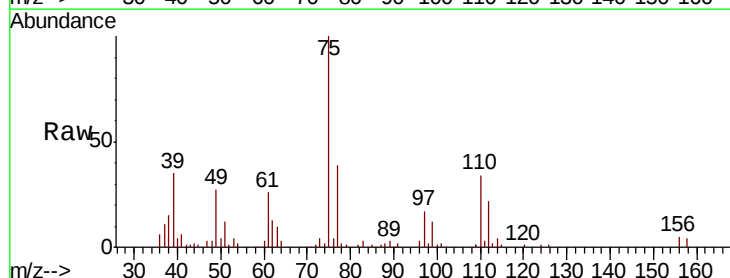
RT: 12.55 min Scan# 3353

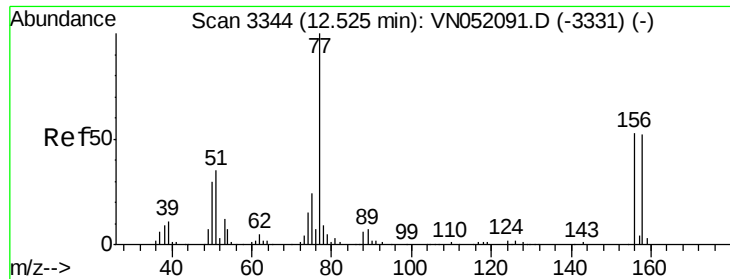
Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	75	Resp:	61050
Ion Ratio	Lower	Upper	
75	100		
77	217.6	0.0	481.8





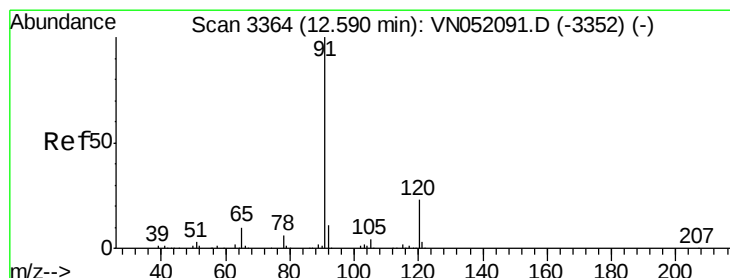
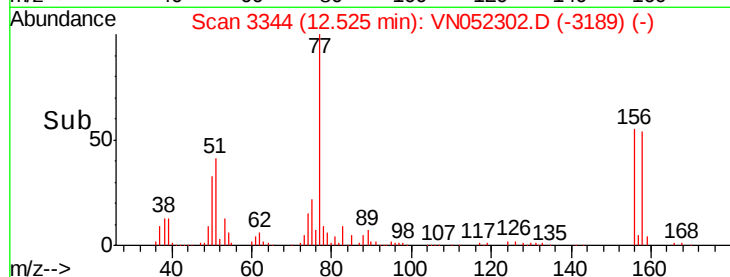
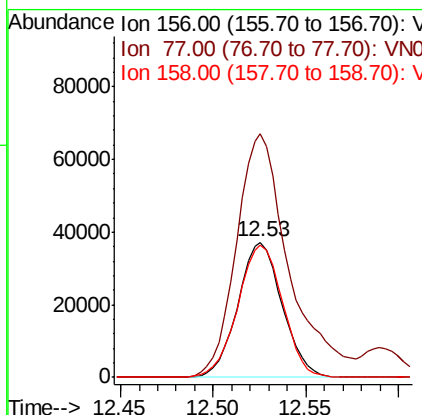
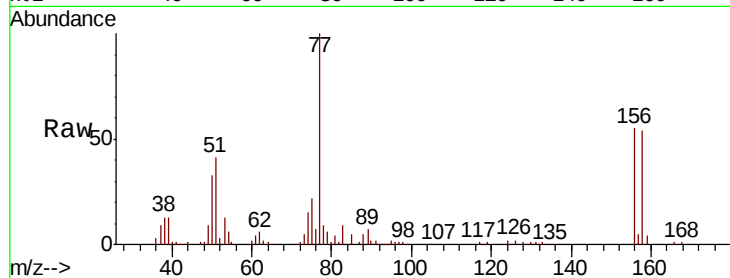
#73
Bromobenzene
Concen: 19.786 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 156 Resp: 61725
Ion Ratio Lower Upper
156 100
77 215.2 0.0 428.0
158 99.3 0.0 196.8

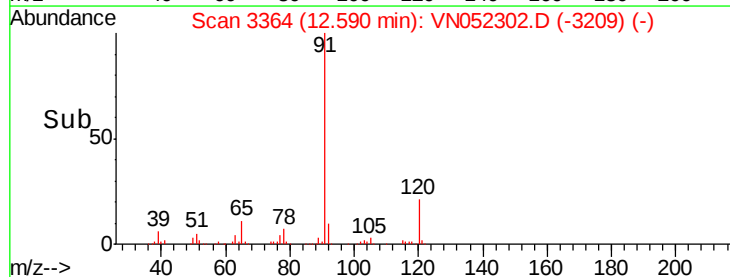
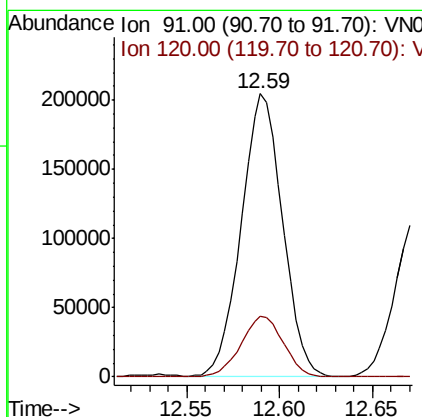
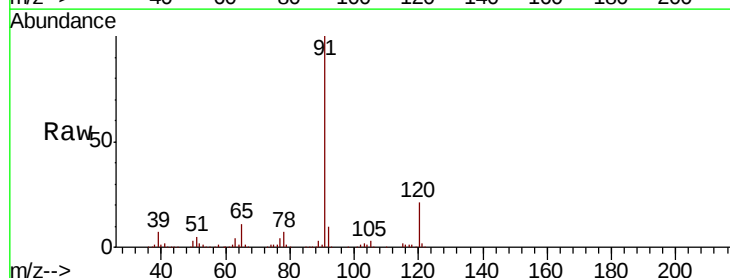
Manual Integrations
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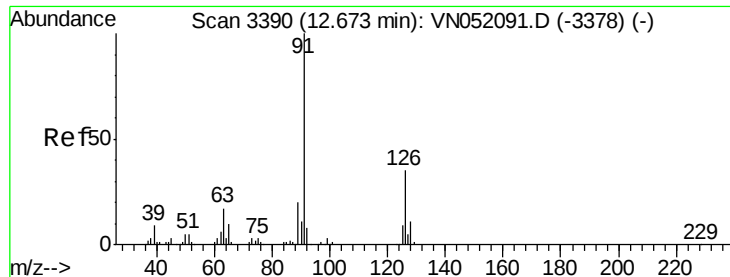
MMDadoda
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#74
n-propylbenzene
Concen: 19.287 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion: 91 Resp: 316208
Ion Ratio Lower Upper
91 100
120 22.0 0.0 44.8





#75

2-Chlorotoluene

Concen: 20.076 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 189762

Ion Ratio Lower Upper

91 100

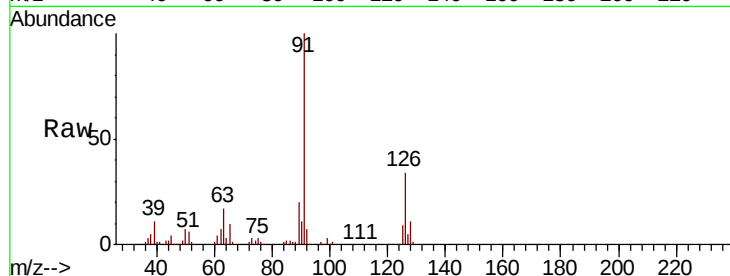
126 33.7 0.0 68.0

Manual Integrations

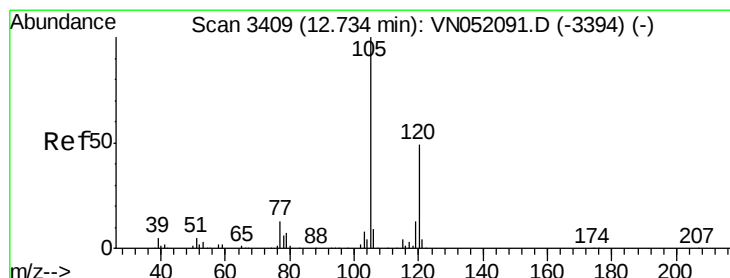
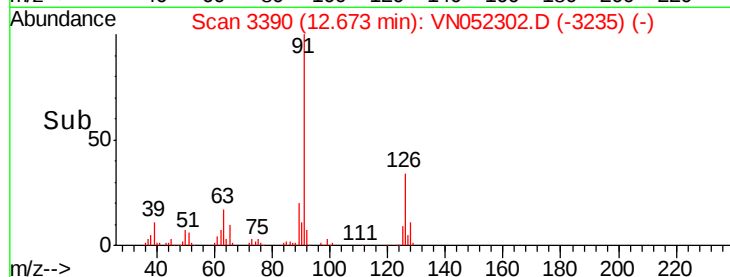
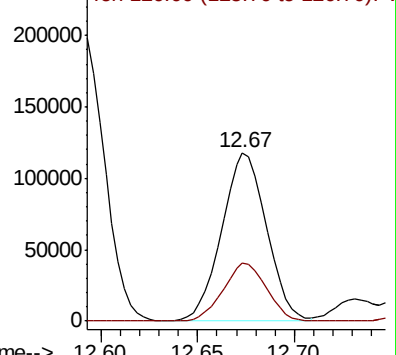
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.696 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052302.D

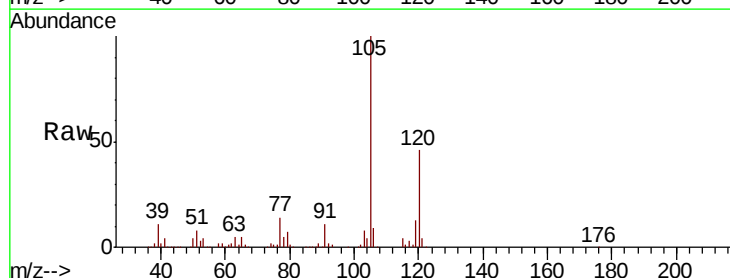
Acq: 13 Nov 2018 22:10

Tgt Ion: 105 Resp: 222363

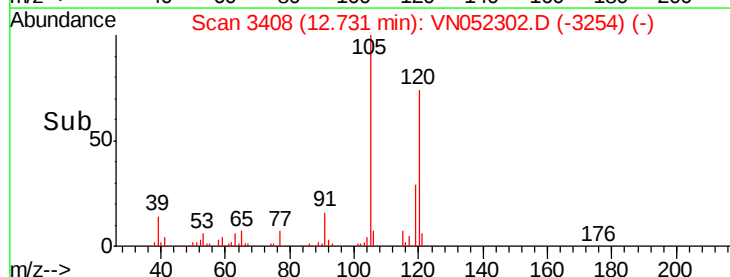
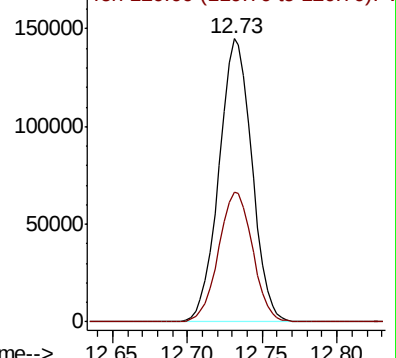
Ion Ratio Lower Upper

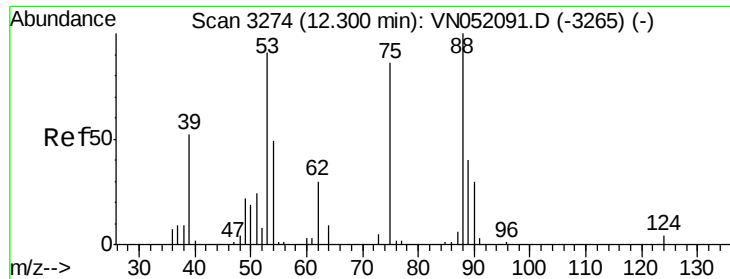
105 100

120 47.2 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.149 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

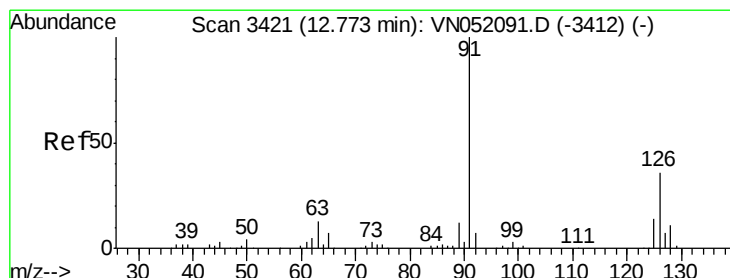
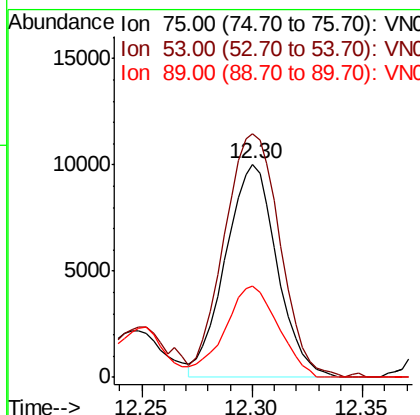
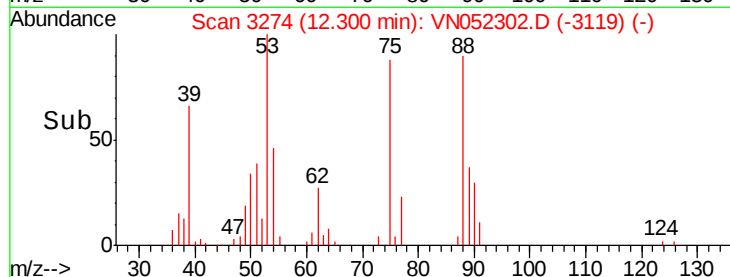
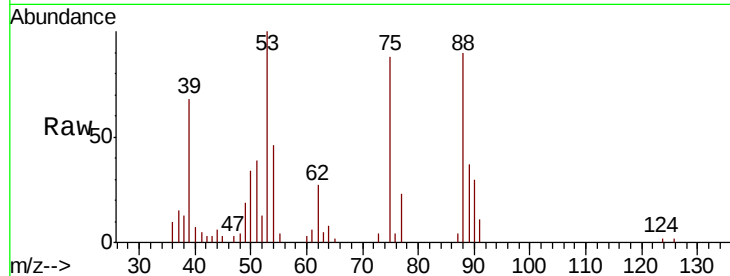
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	16314
Ion	Ratio	Lower	Upper
75	100		
53	112.4	50.7	152.1
89	42.7	23.8	71.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.882 ug/l

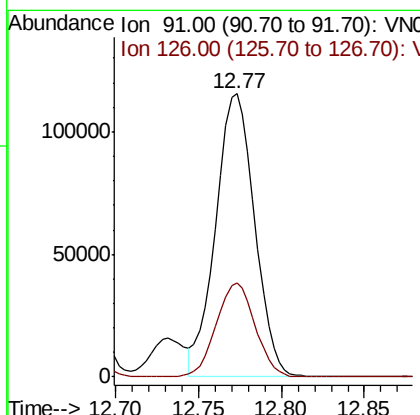
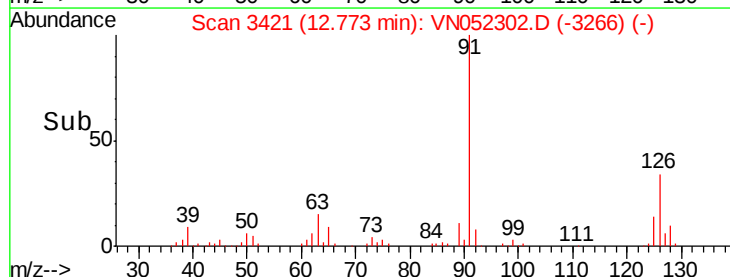
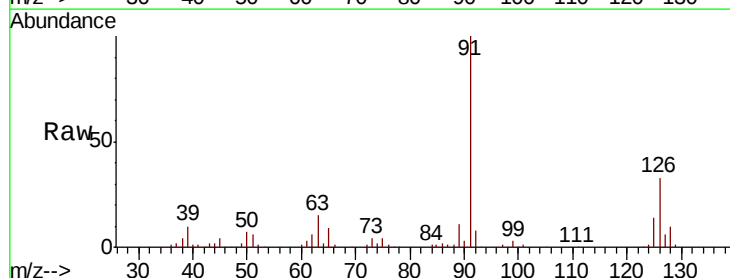
RT: 12.77 min Scan# 3421

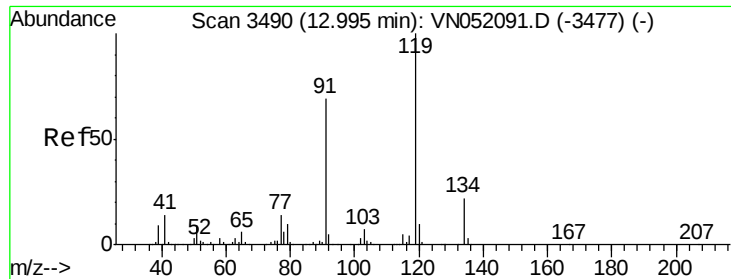
Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	91	Resp:	189253
Ion	Ratio	Lower	Upper
91	100		
126	32.8	0.0	68.0





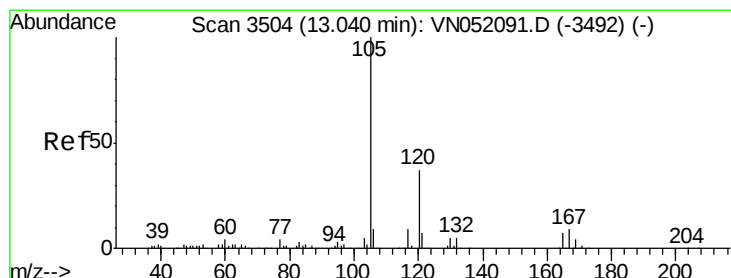
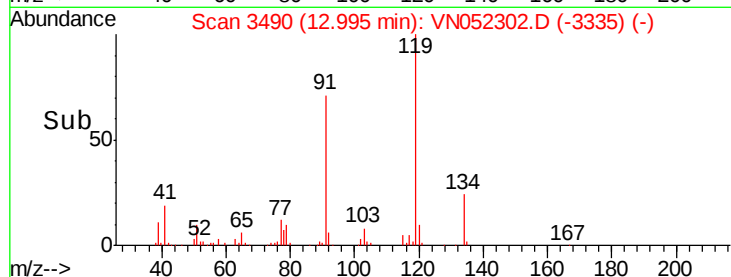
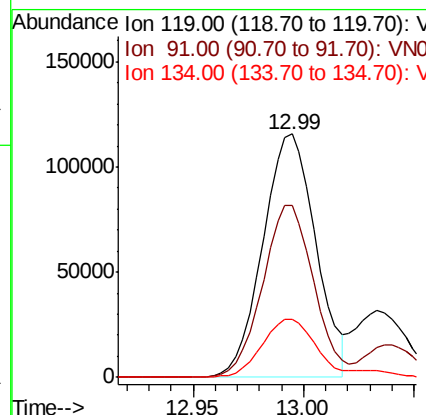
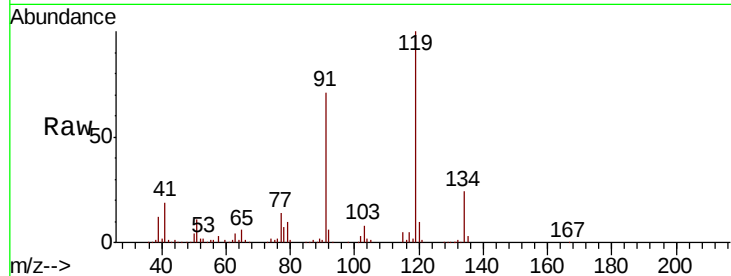
#79
tert-butylbenzene
Concen: 19.587 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192625		
91	68.3		0.0	131.2
134	24.5		0.0	45.8

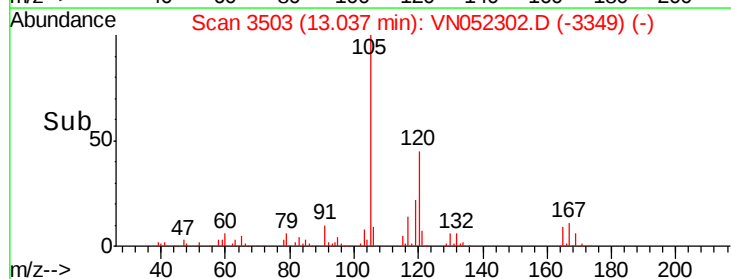
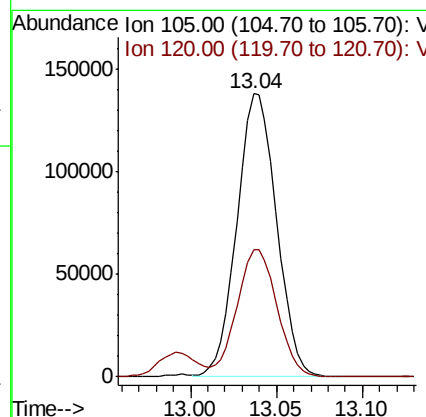
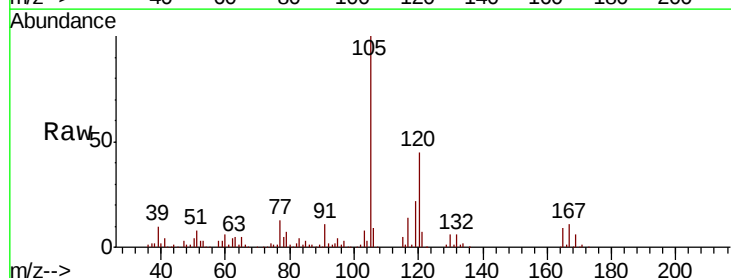
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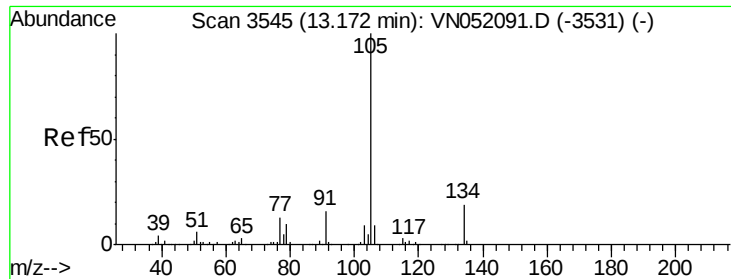
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#80
1,2,4-Trimethylbenzene
Concen: 19.664 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221154		
120	45.4		0.0	89.4





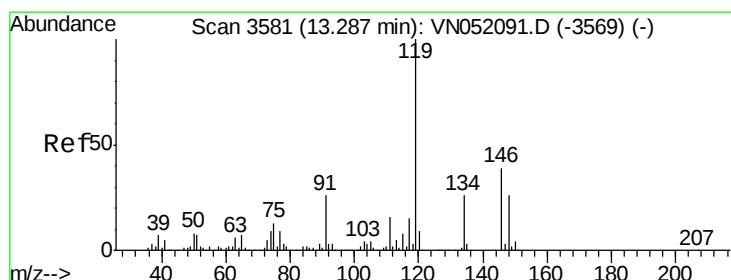
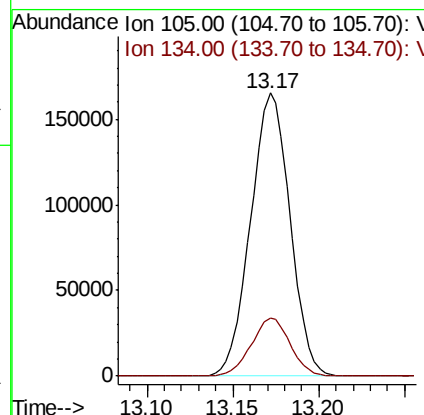
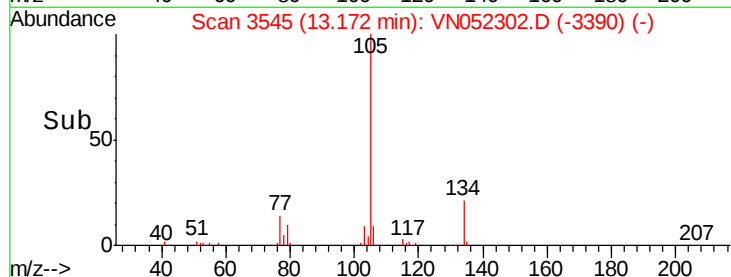
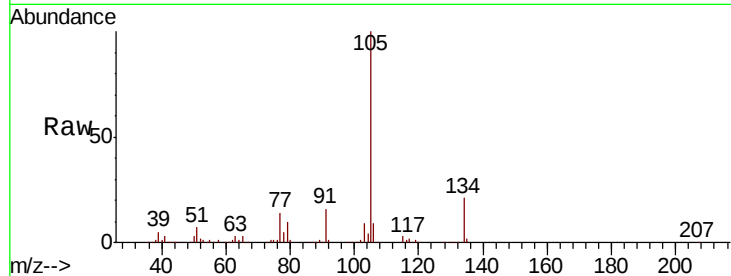
#81
 sec-Butylbenzene
 Concen: 19.379 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	38.6

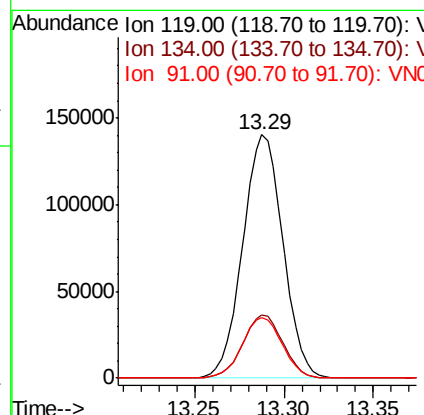
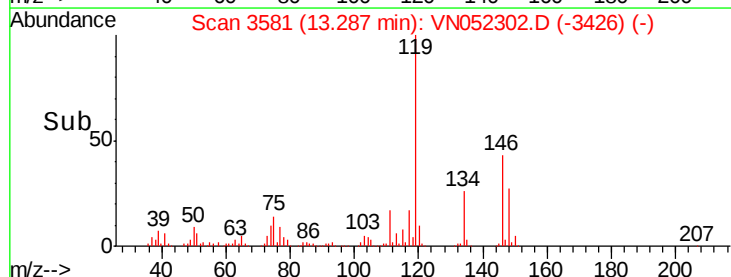
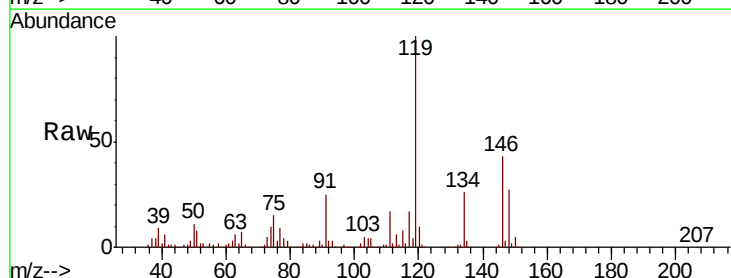
Manual Integrations
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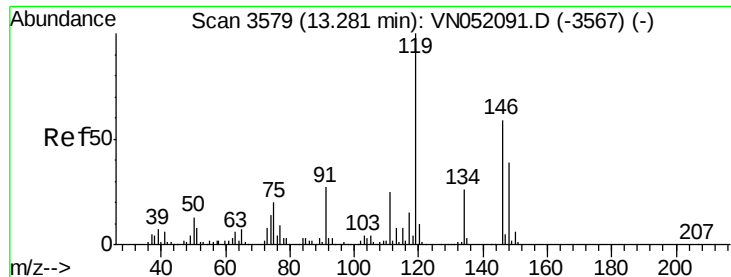
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 11/14/2018 11:10:38 AM



#82
 p-Isopropyltoluene
 Concen: 19.380 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	52.0
91	24.6	0.0	50.8





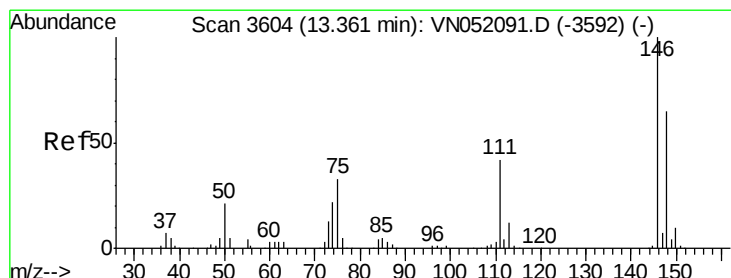
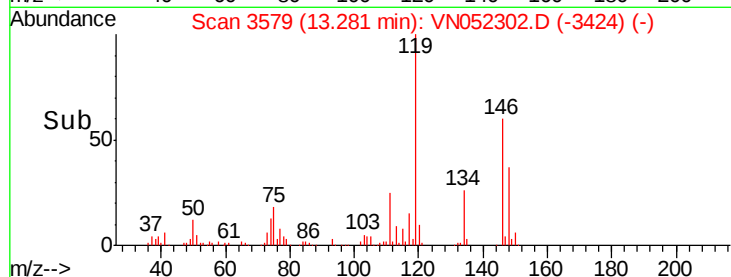
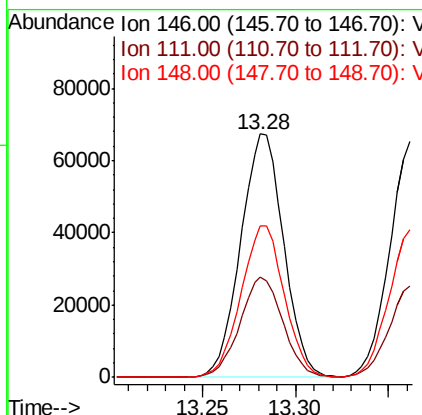
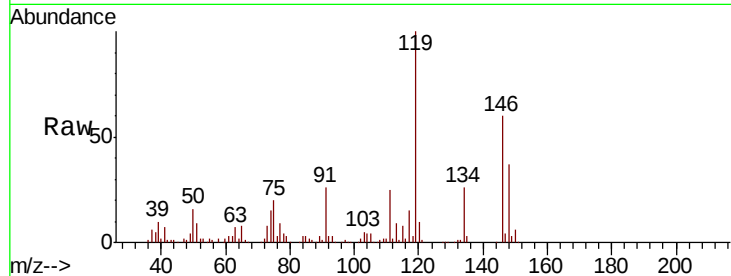
#83
1,3-Dichlorobenzene
Concen: 19.743 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	62.8	33.4	100.2

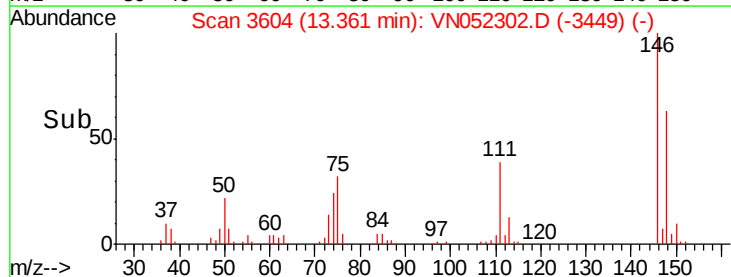
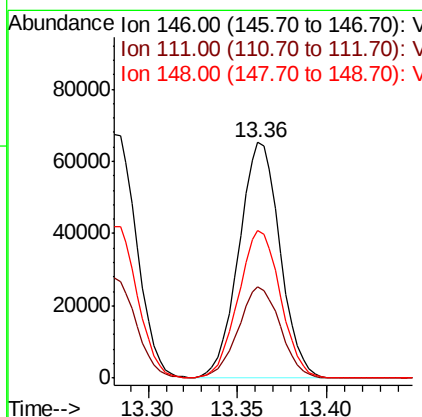
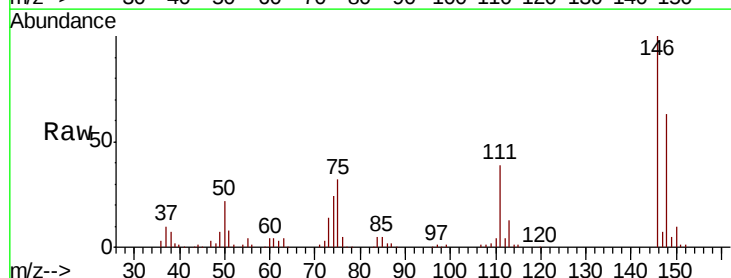
Manual Integrations
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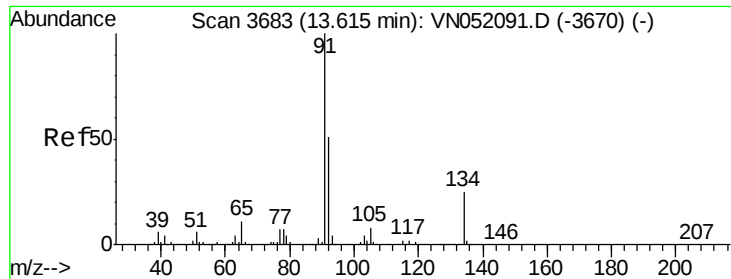
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11/14/2018 11:10:38 AM



#84
1,4-Dichlorobenzene
Concen: 19.217 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.4	64.2
148	64.2	32.6	98.0





#85

n-Butylbenzene

Concen: 18.729 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

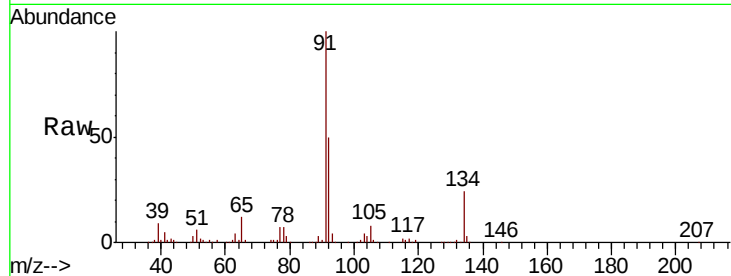
ClientSampleId :

VSTDCCC020EC

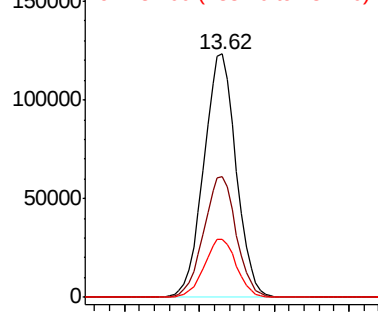
Tot Ion:	91	Resp:	185405
Ion Ratio	Lower	Upper	
91	100		
92	50.0	0.0	102.8
134	23.8	0.0	49.2

Manual Integrations
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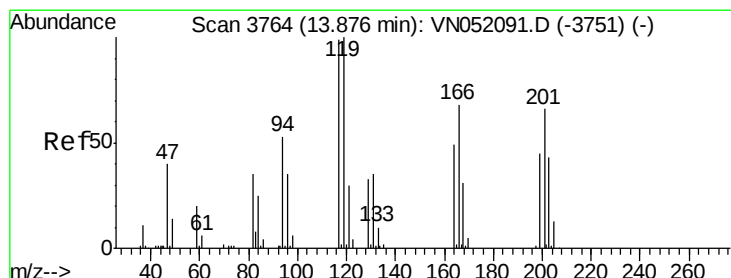
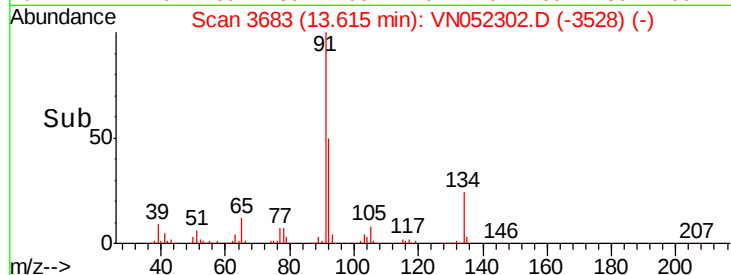
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)



Time-->



#86

Hexachloroethane

Concen: 19.758 ug/l

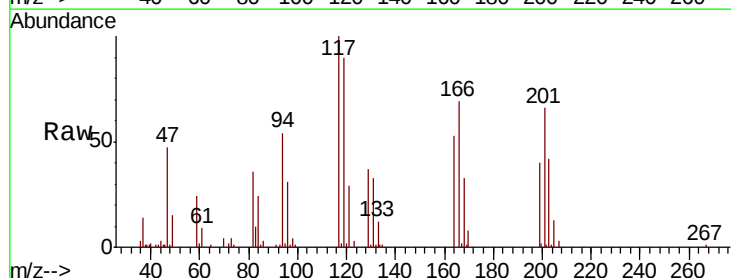
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

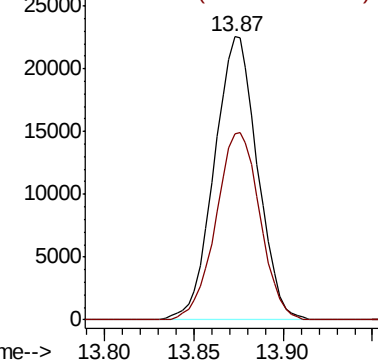
Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

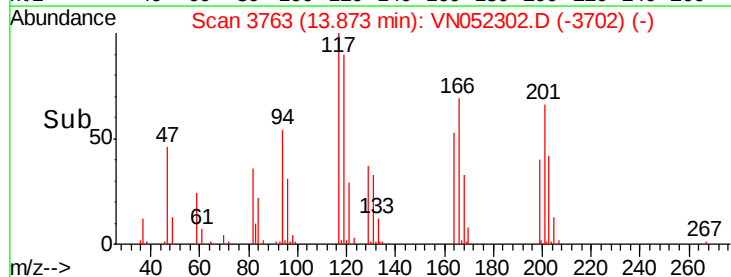
Tgt Ion:	117	Resp:	38135
Ion Ratio	Lower	Upper	
117	100		
201	67.5	32.2	96.6

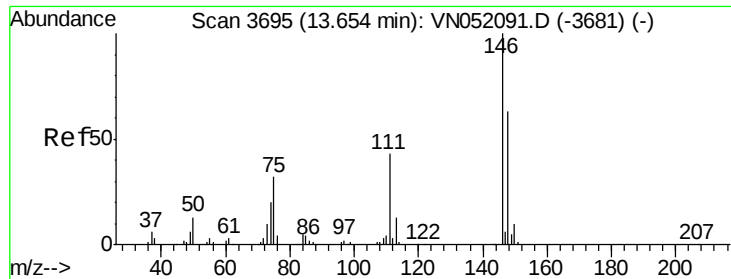


Abundance Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)



Time-->





#87

1,2-Dichlorobenzene

Concen: 20.245 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Instrument :

MSVOA_N

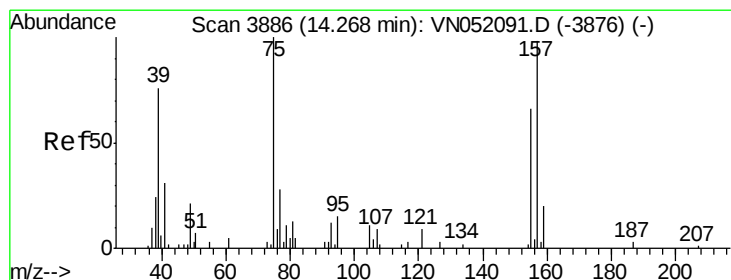
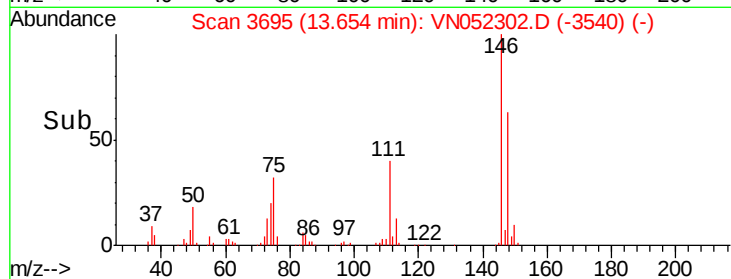
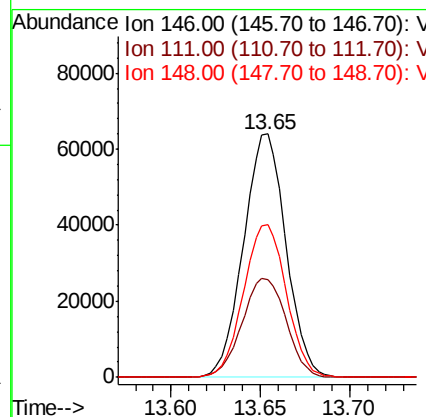
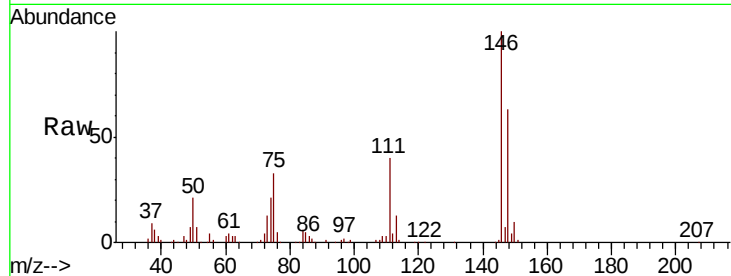
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	106140
Ion Ratio	Lower	Upper	
146	100		
111	42.3	22.4	67.0
148	63.3	32.5	97.4

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.586 ug/l

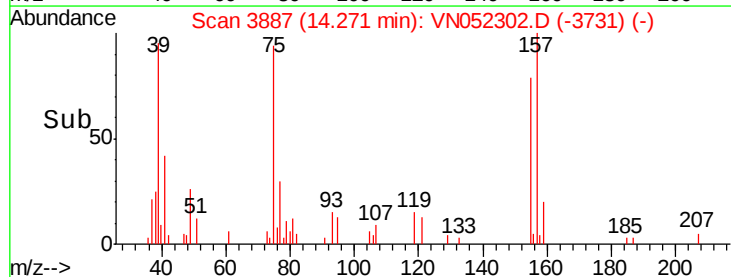
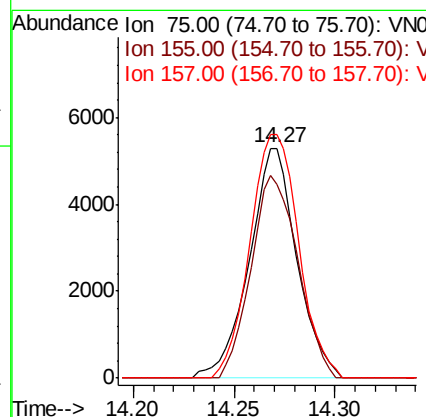
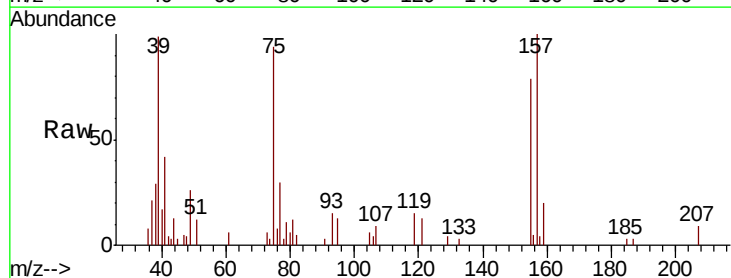
RT: 14.27 min Scan# 3887

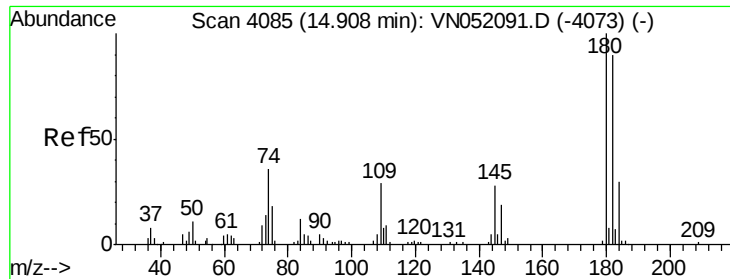
Delta R.T. 0.00 min

Lab File: VN052302.D

Acq: 13 Nov 2018 22:10

Tgt Ion:	75	Resp:	8717
Ion Ratio	Lower	Upper	
75	100		
155	86.9	56.7	85.1#
157	109.0	80.4	120.6





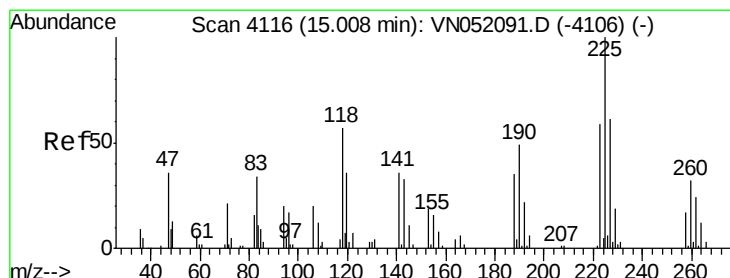
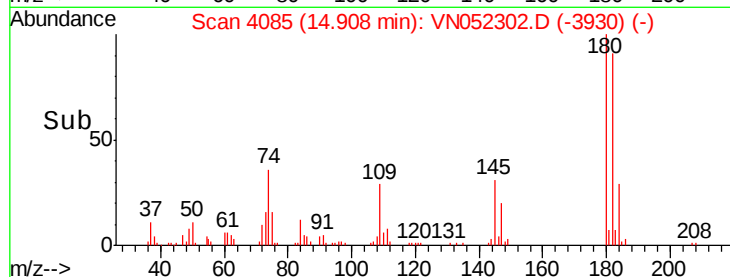
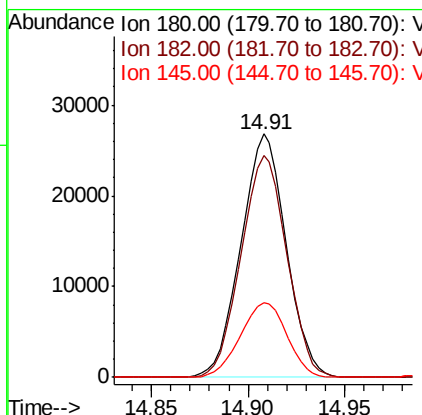
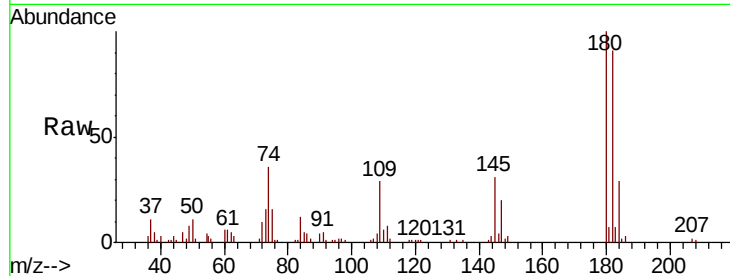
#89
 1,2,4-Trichlorobenzene
 Concen: 20.468 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	74.0	111.0
145	31.5	24.6	36.8

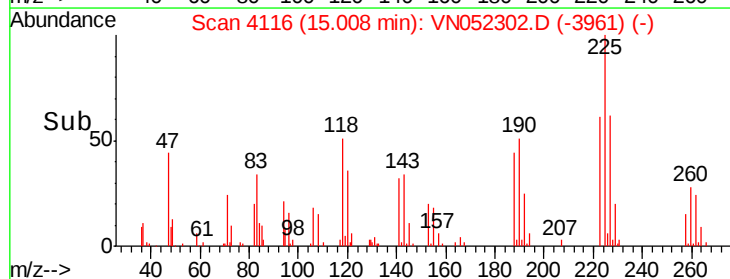
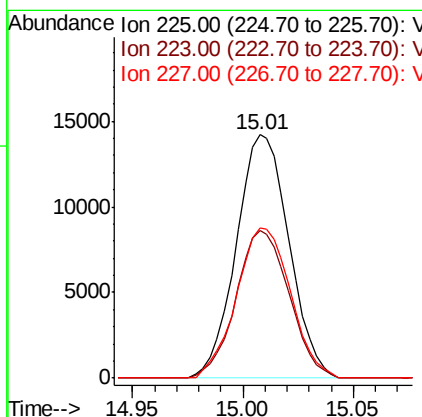
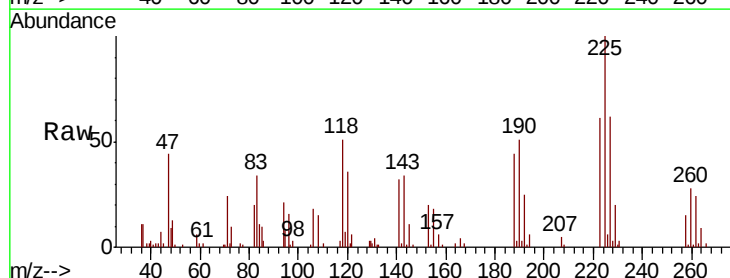
Manual Integrations
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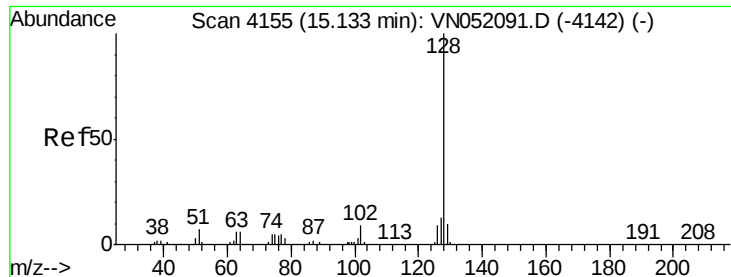
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#90
 Hexachlorobutadiene
 Concen: 20.191 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052302.D
 Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	121.2
227	63.4	0.0	127.2





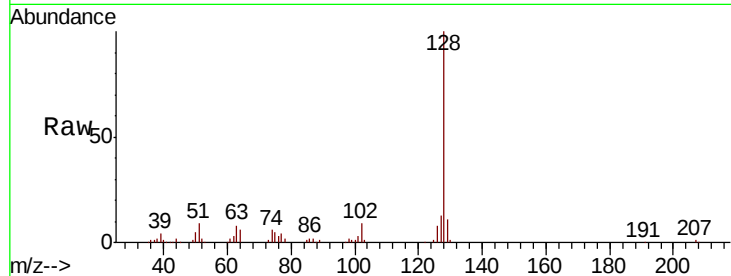
#91
Naphthalene
Concen: 20.026 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.6	8.3	12.5

Manual Integrations
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11/14/2018 11:10:38 AM

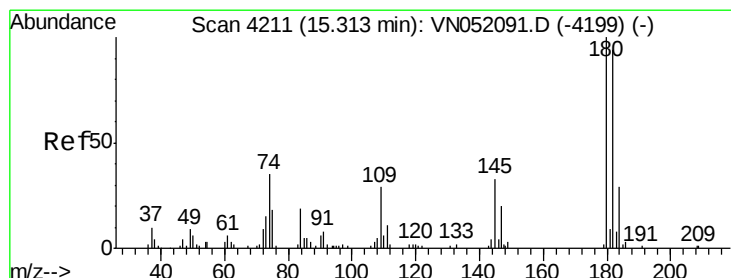
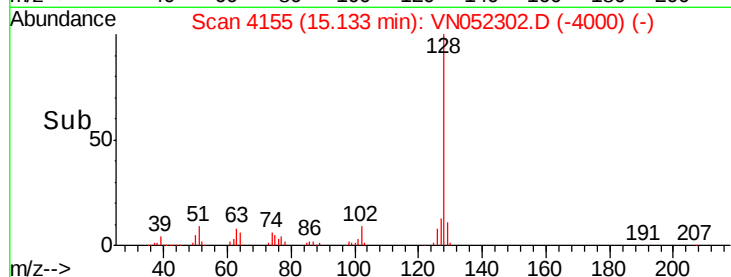
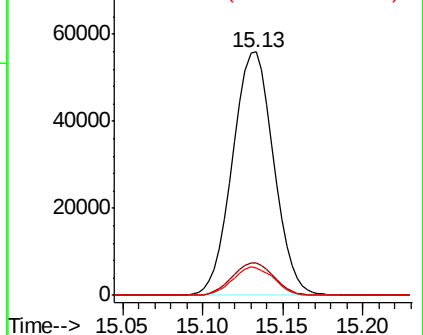


Abundance

Ion 128.00 (127.70 to 128.70): V

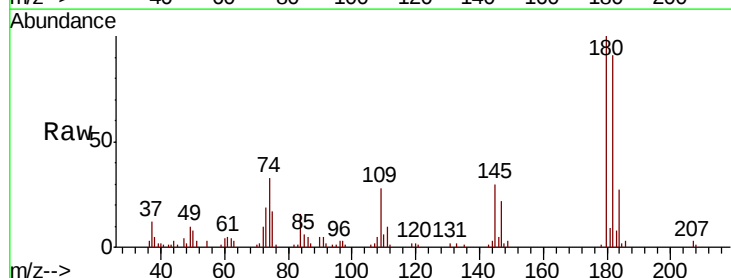
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 21.282 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052302.D
Acq: 13 Nov 2018 22:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	186.6
145	31.6	0.0	66.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

