

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052063.D
 Acq On : 30 Oct 2018 14:43
 Operator : MD\SY
 Sample : VN1030WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:48:17 AM

Quant Time: Oct 31 04:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	257676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	495020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180531	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	194500	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
35) Dibromofluoromethane	7.59	113	144251	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
50) Toluene-d8	10.09	98	574969	46.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.40	95	207335	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	65000	20.753	ug/l	99
3) Chloromethane	2.06	50	80214	20.320	ug/l	99
4) Vinyl Chloride	2.19	62	88620	20.858	ug/l	94
5) Bromomethane	2.58	94	58274	18.284	ug/l	91
6) Chloroethane	2.71	64	56198	20.486	ug/l	100
7) Trichlorofluoromethane	3.03	101	98563	20.314	ug/l	97
8) Diethyl Ether	3.42	74	36360	20.089	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61102	21.346	ug/l	96
10) Methyl Iodide	3.96	142	74741	19.924	ug/l	99
11) Tert butyl alcohol	4.78	59	16439m	79.392	ug/l	
12) 1,1-Dichloroethene	3.74	96	56328	20.838	ug/l	94
13) Acrolein	3.61	56	22963	123.695	ug/l	86
14) Allyl chloride	4.33	41	102820	19.006	ug/l	94
15) Acrylonitrile	4.99	53	109579	92.570	ug/l	100
16) Acetone	3.81	43	70867	80.292	ug/l	100
17) Carbon Disulfide	4.06	76	179209	21.039	ug/l	99
18) Methyl Acetate	4.33	43	48582	17.290	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	171155	19.276	ug/l	97
20) Methylene Chloride	4.55	84	70813	21.056	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	62454	20.262	ug/l	98
22) Diisopropyl ether	5.95	45	236847	20.255	ug/l	97
23) Vinyl Acetate	5.90	43	782727	96.612	ug/l	100
24) 1,1-Dichloroethane	5.85	63	130659	19.983	ug/l	100
25) 2-Butanone	6.83	43	123713	89.365	ug/l	100
26) 2,2-Dichloropropane	6.82	77	92186	17.753	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	75239	20.440	ug/l	98
28) Bromochloromethane	7.20	49	58462	18.042	ug/l	97
29) Tetrahydrofuran	7.21	42	82637	89.600	ug/l	99
30) Chloroform	7.37	83	132606	20.318	ug/l	99
31) Cyclohexane	7.65	56	130795	19.801	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	107493	20.480	ug/l	98
36) 1,1-Dichloropropene	7.79	75	101055	20.077	ug/l	99
37) Ethyl Acetate	6.93	43	56263	16.700	ug/l #	93
38) Carbon Tetrachloride	7.77	117	86054	19.828	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125604	21.028	ug/l	98
40) Benzene	8.04	78	285726	19.625	ug/l	98
41) Methacrylonitrile	7.18	41	34958	20.193	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	98427	18.320	ug/l	99
43) Isopropyl Acetate	8.16	43	112439	18.764	ug/l	98
44) Trichloroethene	8.84	130	65399	20.086	ug/l	98
45) 1,2-Dichloropropane	9.12	63	82384	19.864	ug/l	97
46) Dibromomethane	9.21	93	43789	18.891	ug/l	99
47) Bromodichloromethane	9.40	83	95405	19.735	ug/l	99
48) Methyl methacrylate	9.20	41	55145	18.152	ug/l	99
49) 1,4-Dioxane	9.20	88	8760	360.324	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	291997	89.655	ug/l	100
52) Toluene	10.16	92	175485	19.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	95389	18.663	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	113364	19.972	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	60179	19.225	ug/l	98
56) Ethyl methacrylate	10.43	69	80344	17.944	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107517	18.667	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	221268	92.903	ug/l	100
59) 2-Hexanone	10.75	43	190858	82.233	ug/l	99
60) Dibromochloromethane	10.90	129	59182	19.205	ug/l	96
61) 1,2-Dibromoethane	11.00	107	59818	19.223	ug/l	98
64) Tetrachloroethene	10.63	164	53953	20.179	ug/l	99
65) Chlorobenzene	11.43	112	182244	19.605	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60781	20.824	ug/l	99
67) Ethyl Benzene	11.51	91	339852	20.502	ug/l	99
68) m/p-Xylenes	11.62	106	250090	42.150	ug/l	99
69) o-Xylene	11.95	106	125373	21.354	ug/l	98
70) Styrene	11.96	104	194095	20.431	ug/l	97
71) Bromoform	12.13	173	30968	17.969	ug/l #	97
73) Isopropylbenzene	12.25	105	319987	20.727	ug/l	98
74) N-amyl acetate	12.07	43	99198	18.412	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	70263	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	62081m	18.786	ug/l	
77) Bromobenzene	12.53	156	64241	19.888	ug/l	99
78) n-propylbenzene	12.59	91	388700	20.779	ug/l	99
79) 2-Chlorotoluene	12.67	91	223647	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	261264	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15825	15.894	ug/l	86
82) 4-Chlorotoluene	12.77	91	235809	21.206	ug/l	97
83) tert-Butylbenzene	12.99	119	215716	20.441	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	269147	21.524	ug/l	98
85) sec-Butylbenzene	13.17	105	319599	21.200	ug/l	99
86) p-Isopropyltoluene	13.29	119	254139	20.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	117701	19.981	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	117374	19.881	ug/l	97
89) n-Butylbenzene	13.61	91	236506	20.199	ug/l	99
90) Hexachloroethane	13.88	117	40595	19.294	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	114011	20.586	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10594	20.408	ug/l	92

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42693	20.702	ug/l	98
94) Hexachlorobutadiene	15.01	225	24251	21.010	ug/l	97
95) Naphthalene	15.13	128	99766	19.287	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	37136	20.867	ug/l	97

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

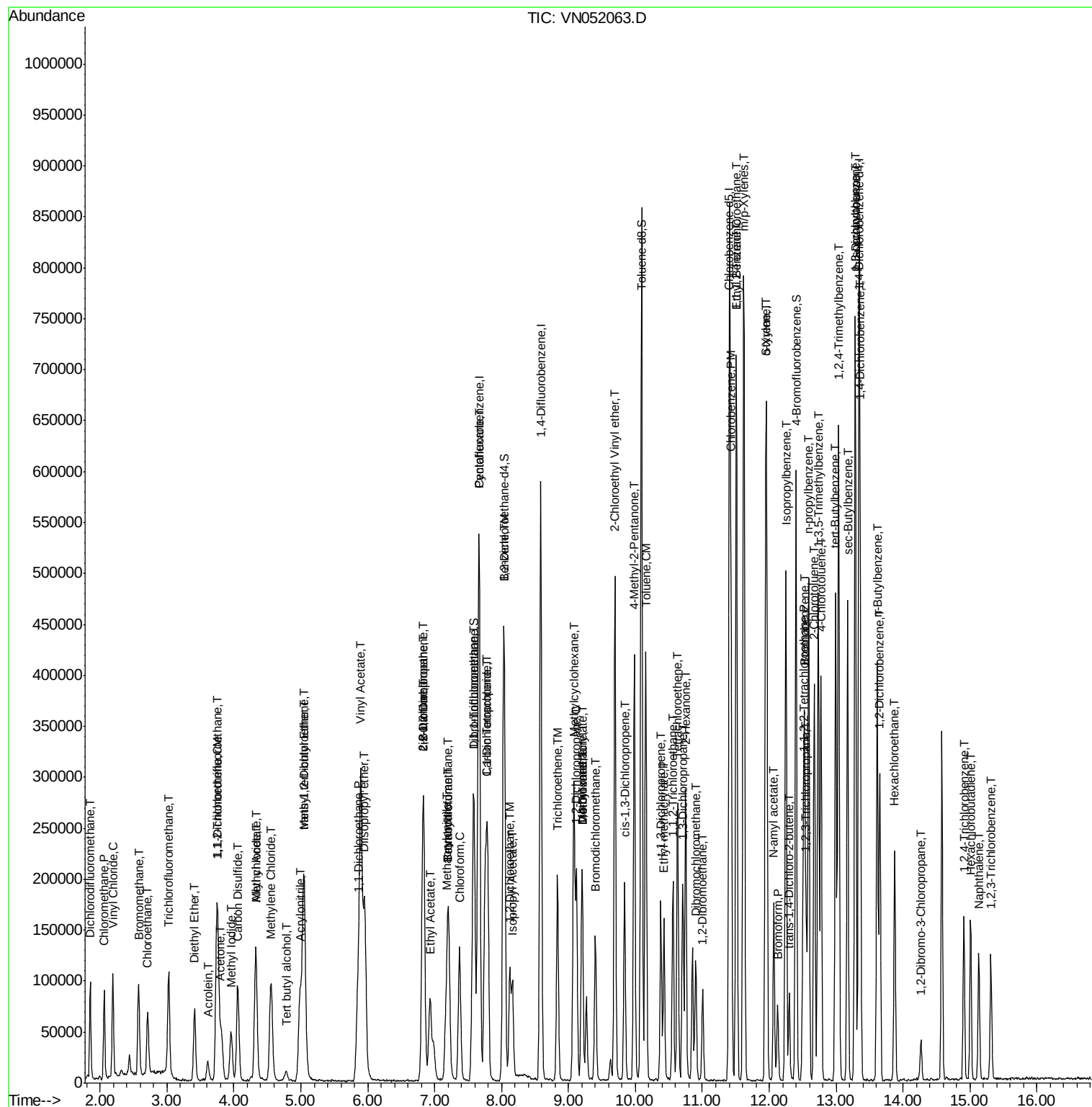
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Data File : VN052063.D
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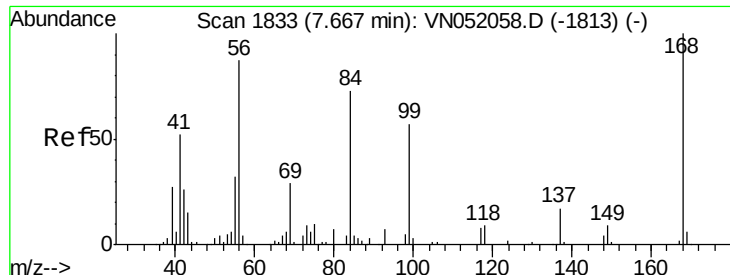
Instrument :
MSVOA_N
Client Sample Id :
VN1030WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tot Ion:168 Resp: 257676

Ion Ratio Lower Upper

168 100

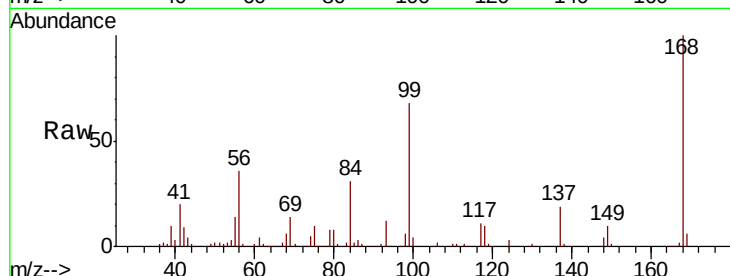
99 68.3 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

60000

40000

20000

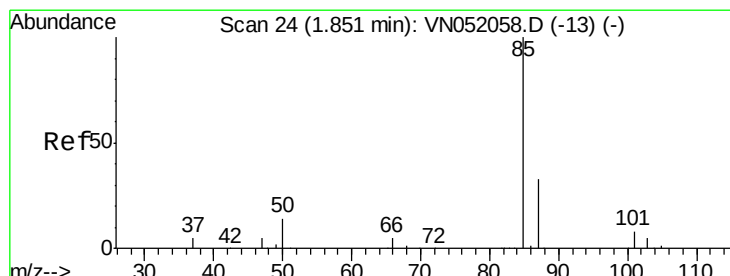
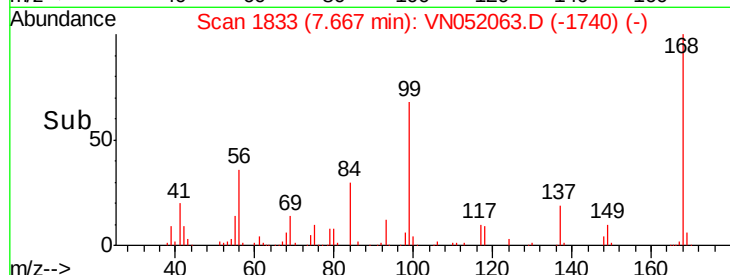
0

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.753 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052063.D

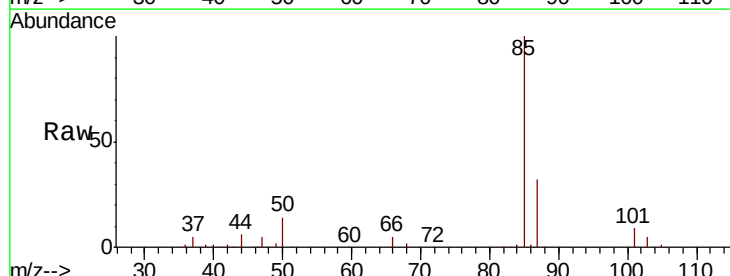
Acq: 30 Oct 2018 14:43

Tgt Ion: 85 Resp: 65000

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

30000

20000

10000

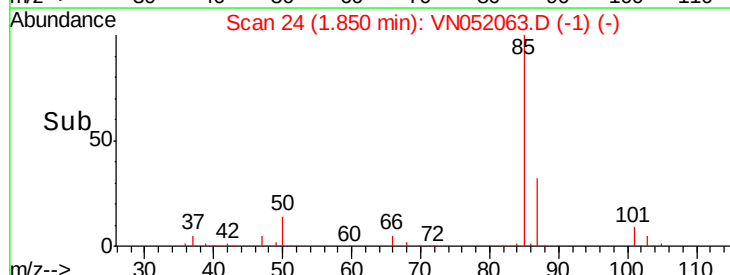
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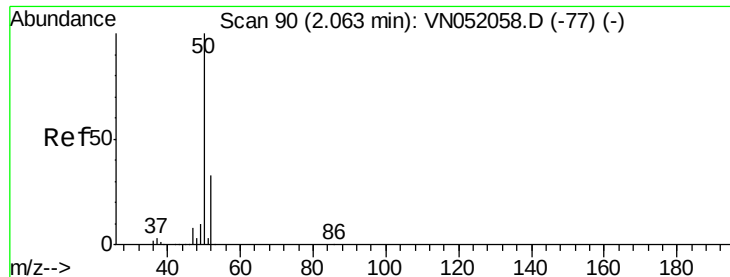
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.320 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tot Ion: 50 Resp: 80214

Ion Ratio Lower Upper

50 100

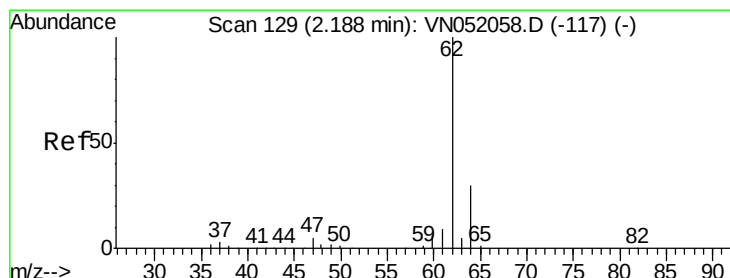
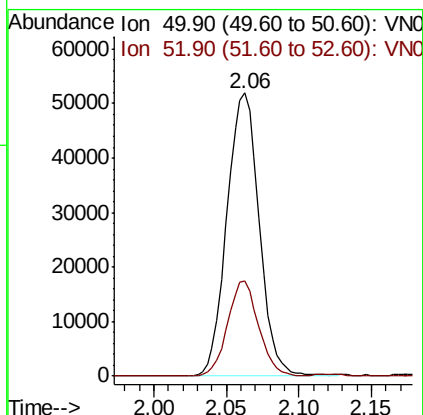
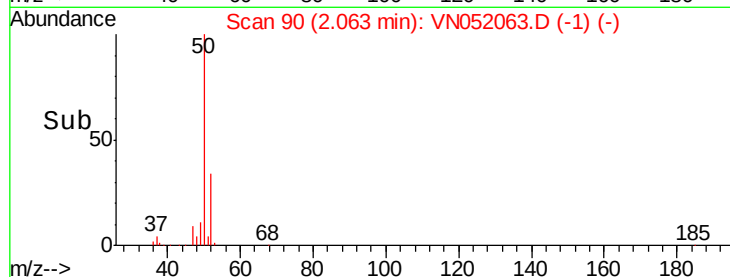
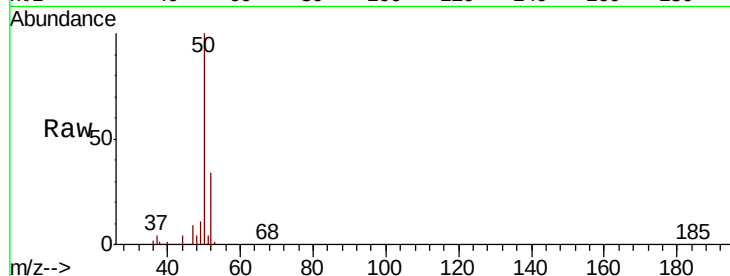
52 33.5 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.858 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052063.D

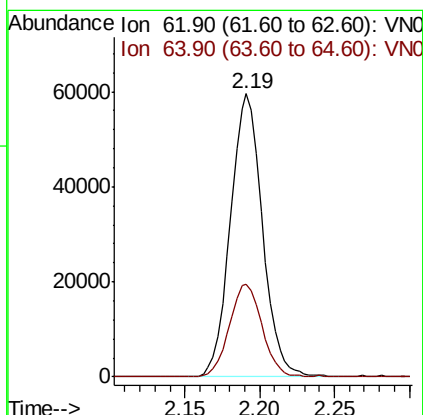
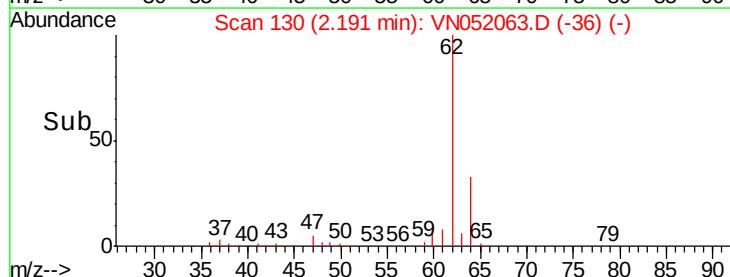
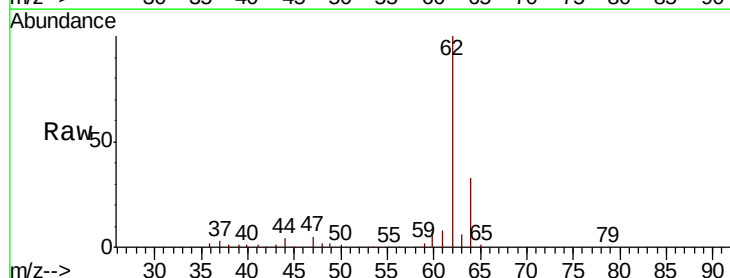
Acq: 30 Oct 2018 14:43

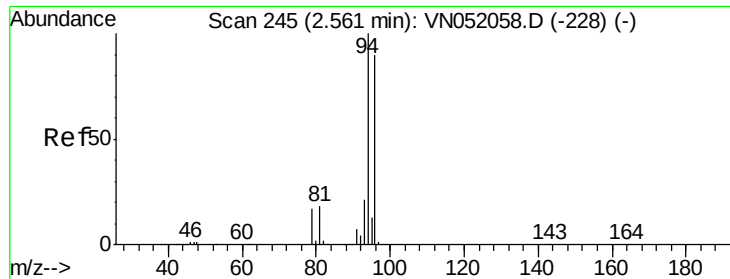
Tgt Ion: 62 Resp: 88620

Ion Ratio Lower Upper

62 100

64 32.9 23.7 35.5





#5

Bromomethane

Concen: 18.284 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

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ClientSampleId :

VN1030WBS01

Tot Ion: 94 Resp: 58274

Ion Ratio Lower Upper

94 100

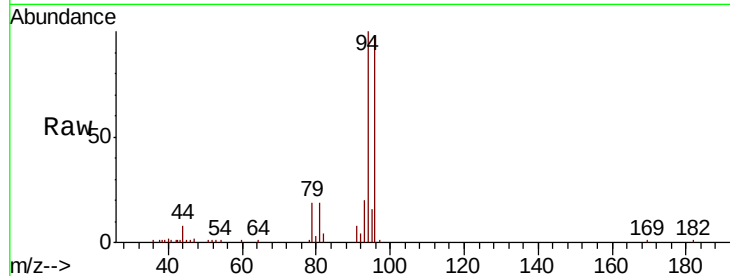
96 97.7 71.8 107.6

Manual Integrations

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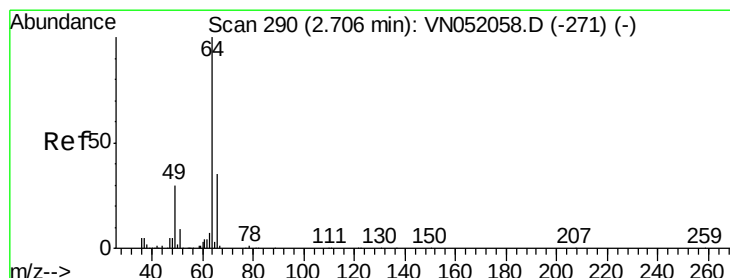
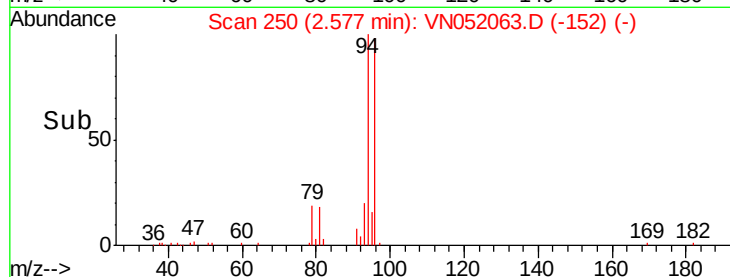
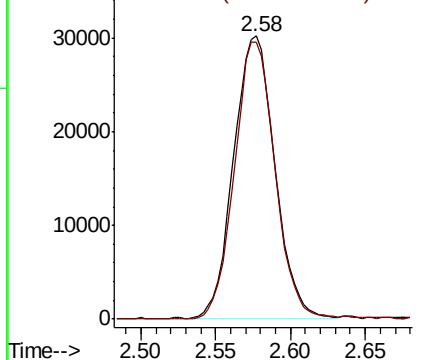
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052063.D

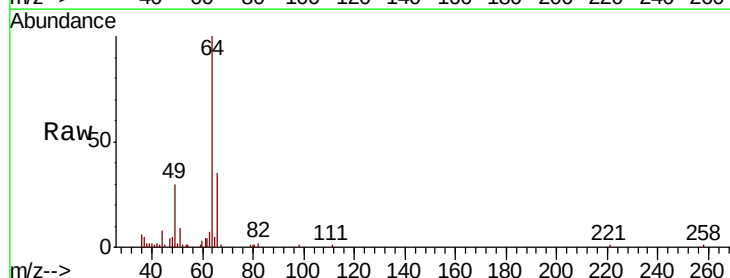
Acq: 30 Oct 2018 14:43

Tgt Ion: 64 Resp: 56198

Ion Ratio Lower Upper

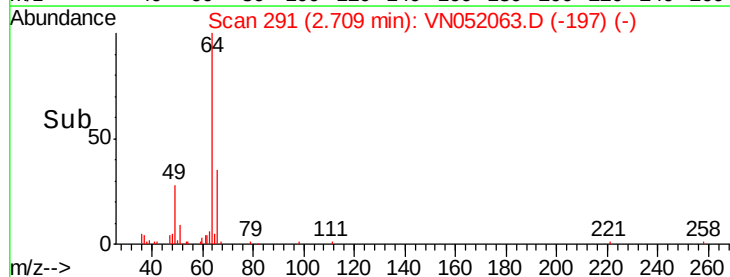
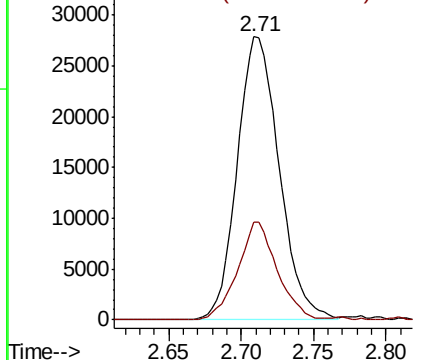
64 100

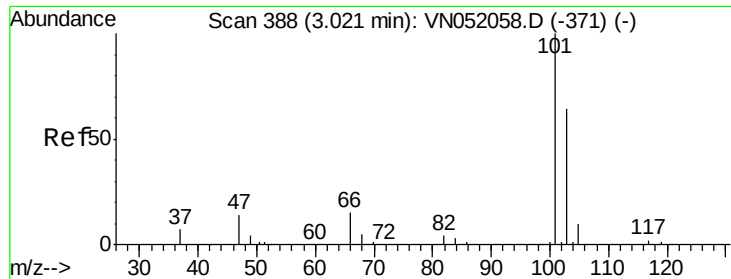
66 34.7 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

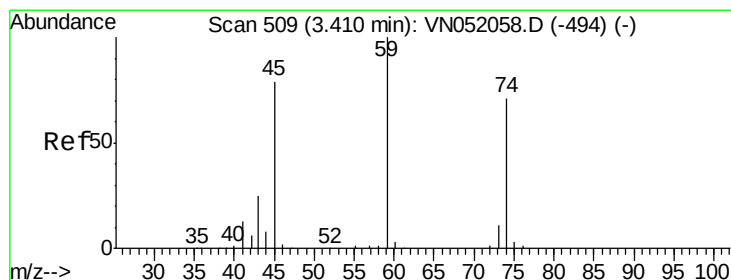
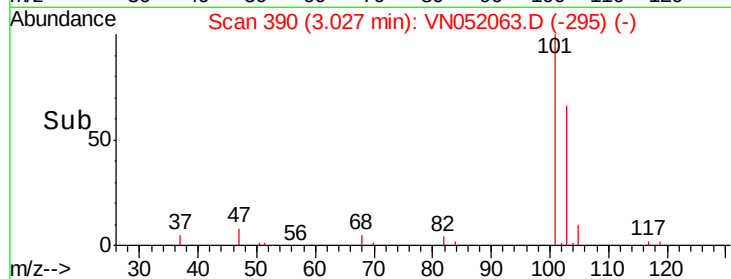
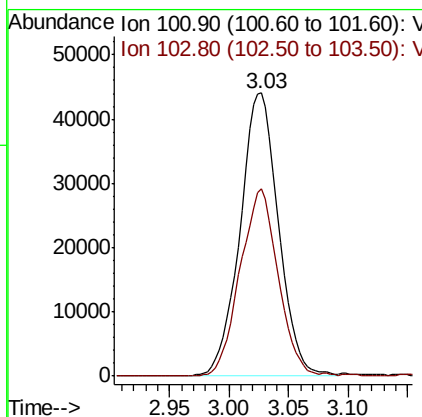
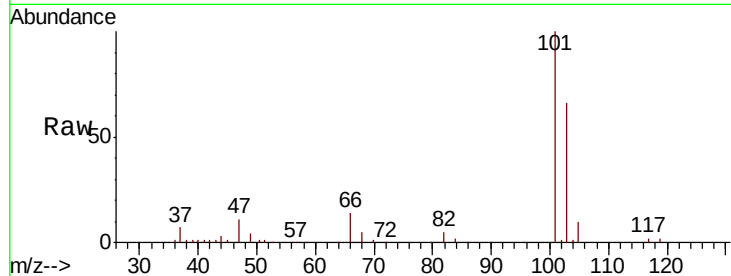
Trichlorofluoromethane
Concen: 20.314 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4

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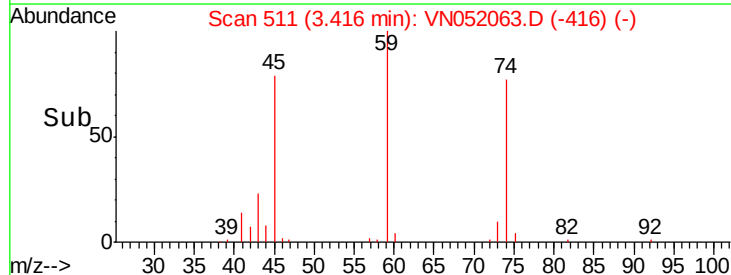
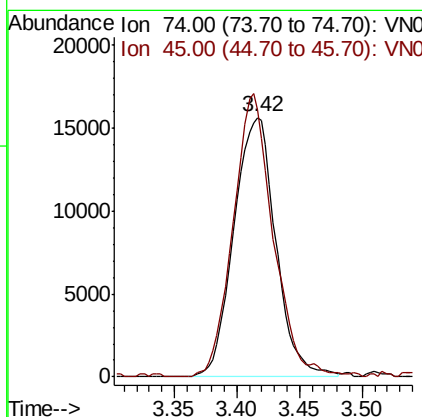
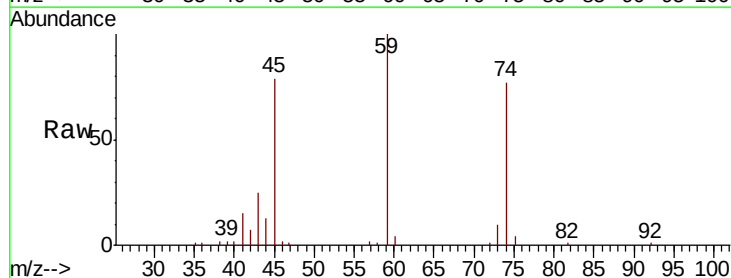
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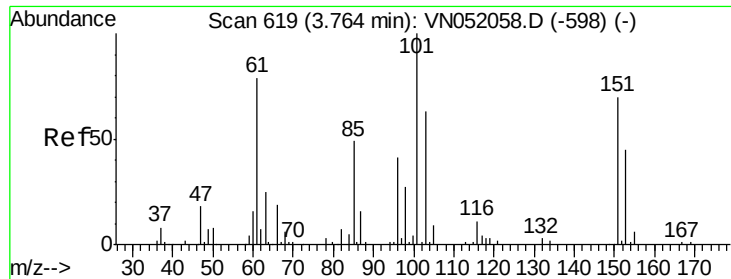


#8

Diethyl Ether
Concen: 20.089 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN052063.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	55.6	166.8





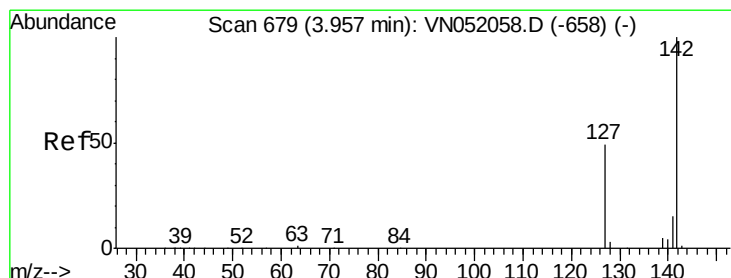
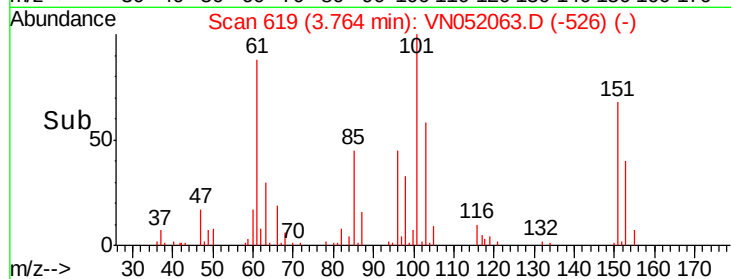
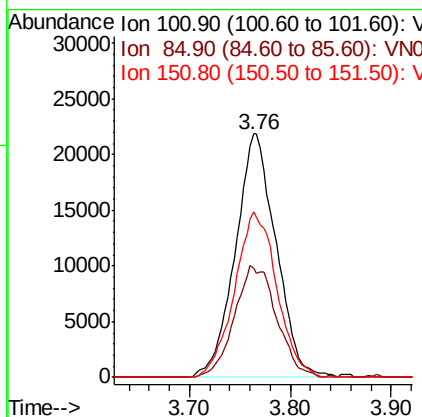
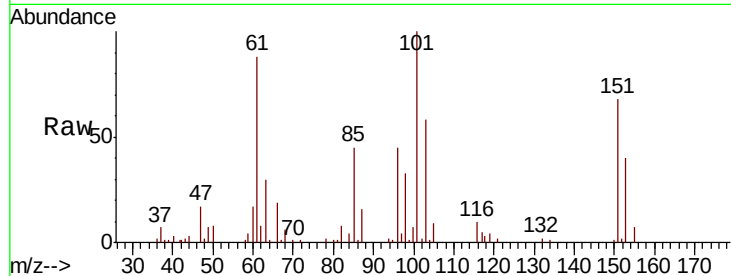
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.346 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.6	38.6	58.0
151	70.4	52.6	78.8

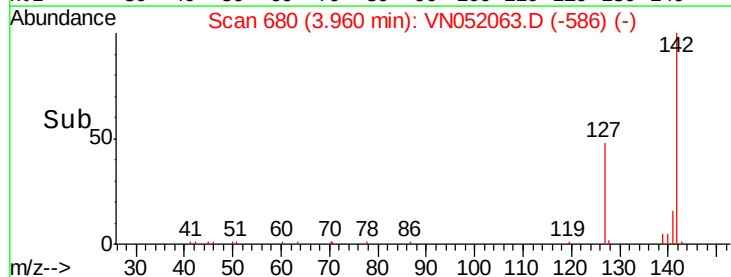
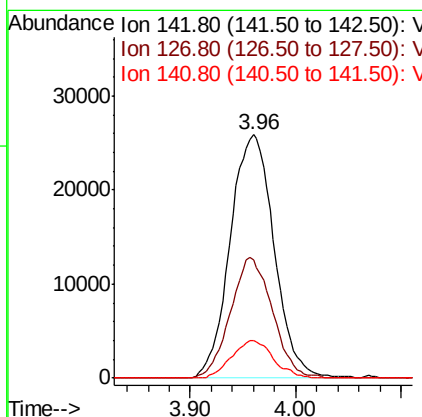
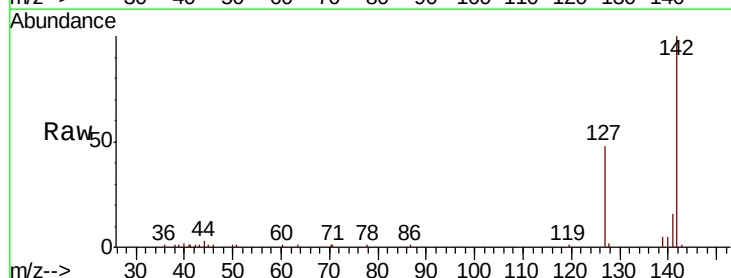
Manual Integrations
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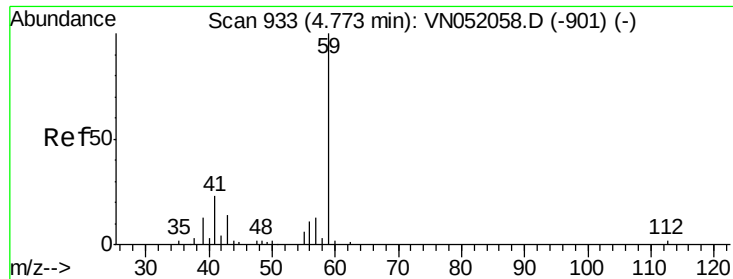
MMDadoda
 11/1/2018 11:48:17 AM



#10
 Methyl Iodide
 Concen: 19.924 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.3	55.9
141	14.6	11.4	17.2





#11

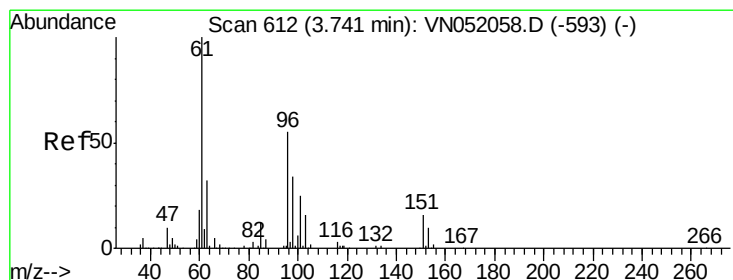
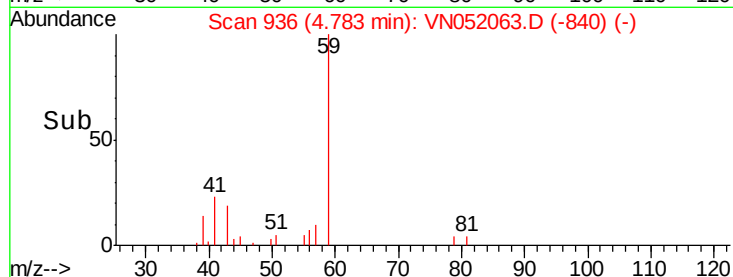
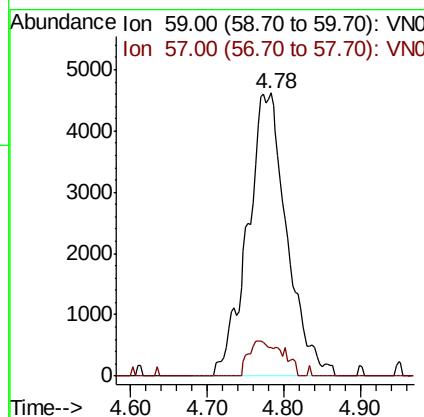
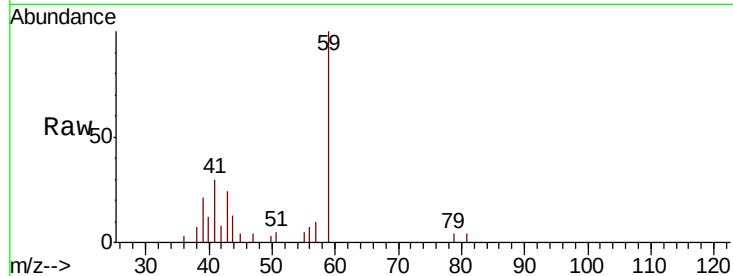
Tert butyl alcohol
 Concen: 79.392 ug/l m
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

Tot Ion	59.00	Resp	16439
Ion Ratio	100	Lower	Upper
57	6.9	7.0	10.6#

Manual Integrations
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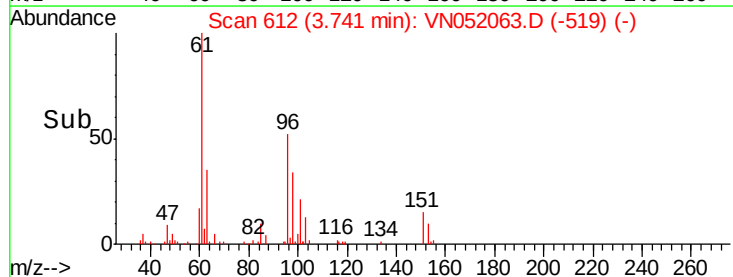
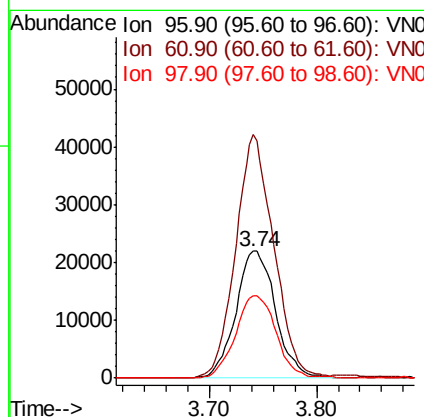
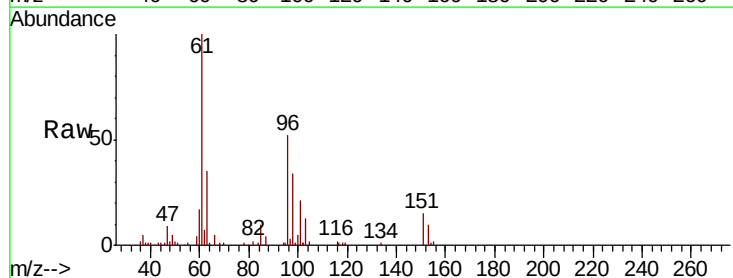
MMDadoda
 11/1/2018 11:48:17 AM

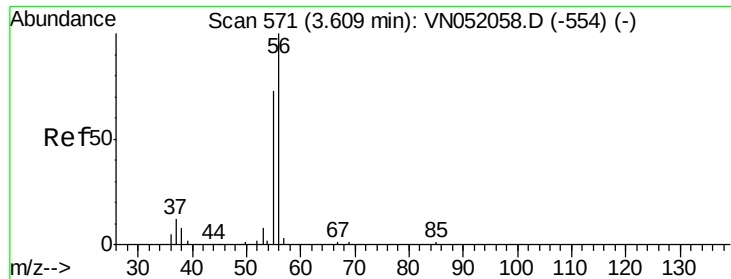


#12

1,1-Dichloroethene
 Concen: 20.838 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	96	Resp	56328
Ion Ratio	100	Lower	Upper
61	191.7	145.7	218.5
98	64.8	49.8	74.8





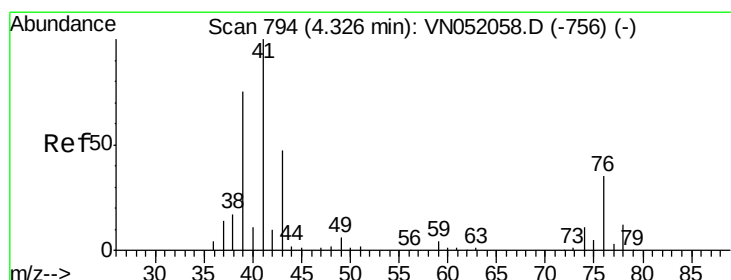
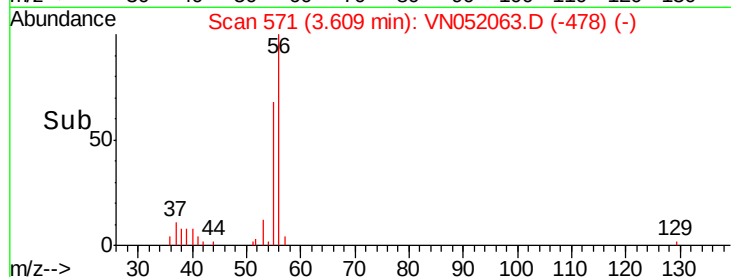
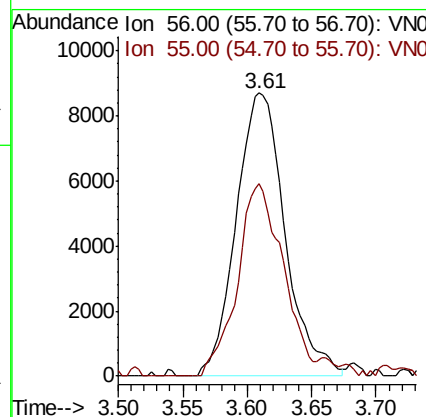
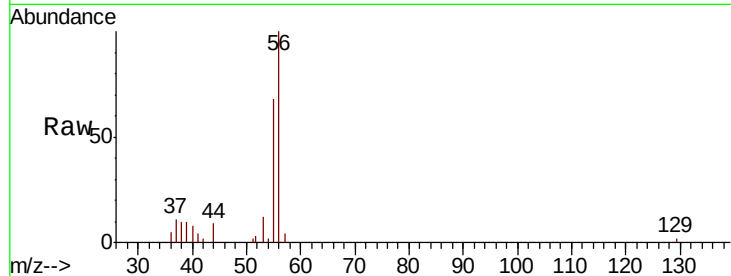
#13
Acrolein
Concen: 123.695 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	56	Resp	22963
Ion Ratio	100	Lower	Upper
56	100		
55	63.2	59.9	89.9

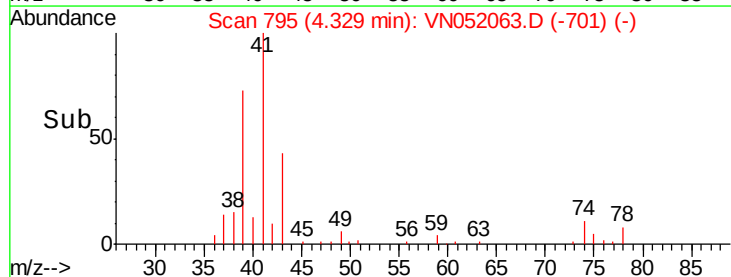
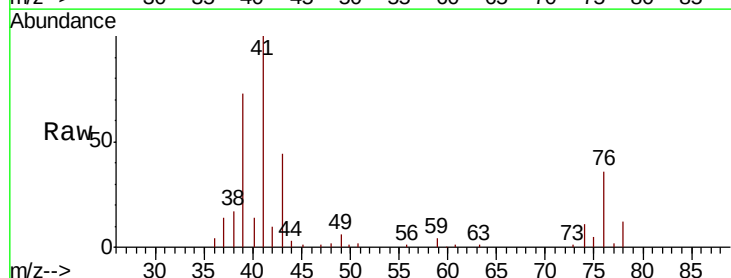
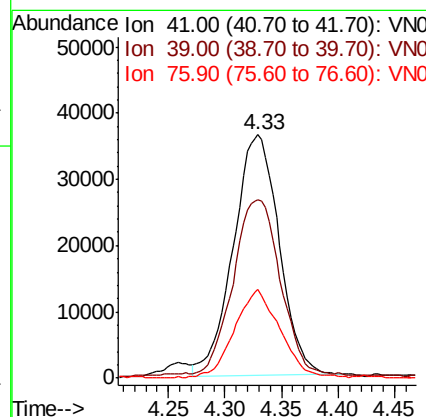
Manual Integrations
APPROVED

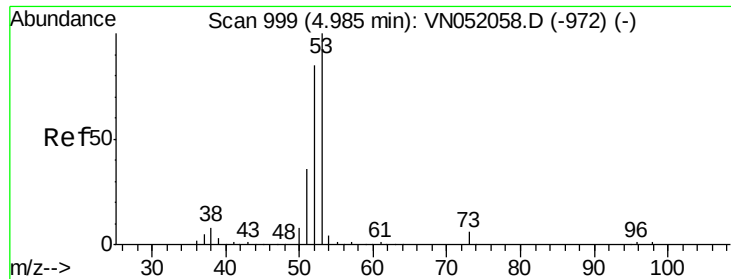
MMDadoda
11/1/2018 11:48:17 AM



#14
Allyl chloride
Concen: 19.006 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	41	Resp	102820
Ion Ratio	100	Lower	Upper
41	100		
39	77.0	58.1	87.1
76	36.6	26.0	39.0





#15

Acrylonitrile

Concen: 92.570 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

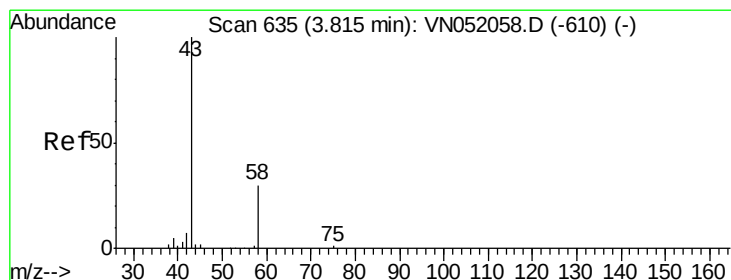
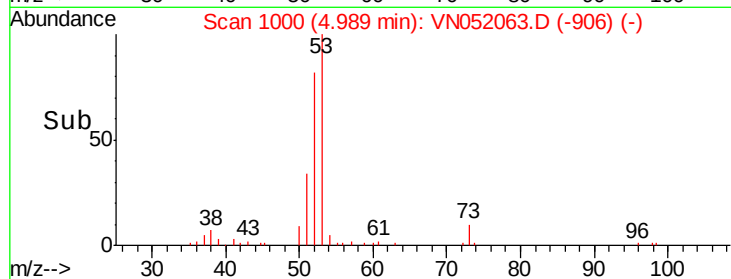
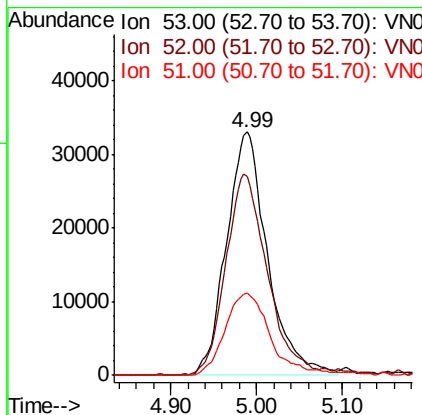
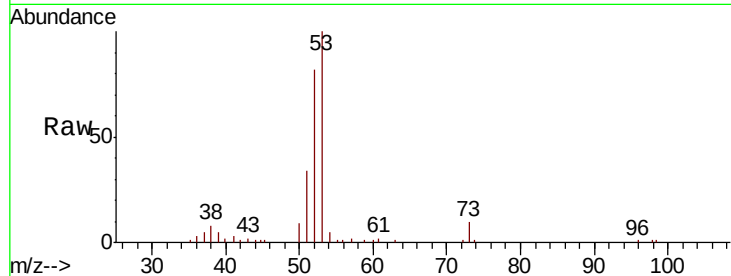
ClientSampleId :

VN1030WBS01

Tot Ion:	53	Resp:	109579
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	37.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 80.292 ug/l

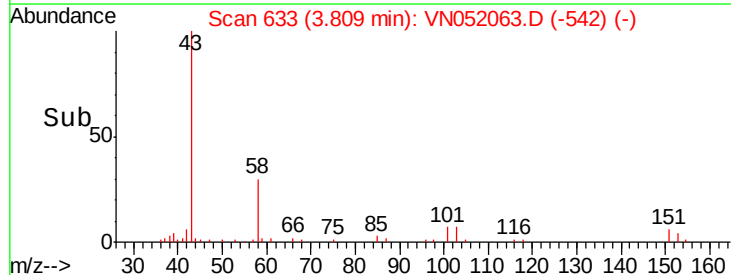
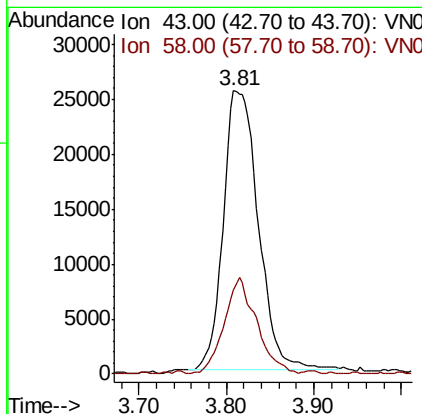
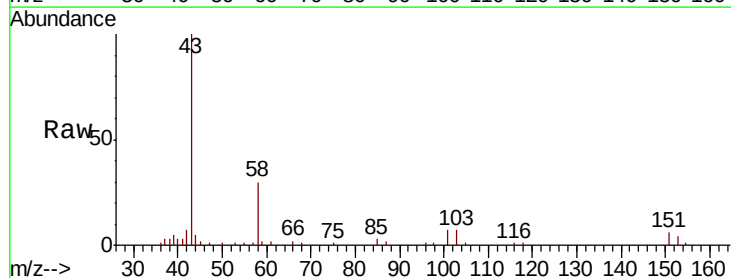
RT: 3.81 min Scan# 633

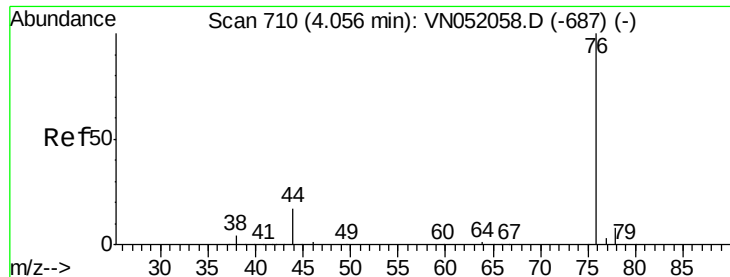
Delta R.T. -0.01 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	43	Resp:	70867
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.2





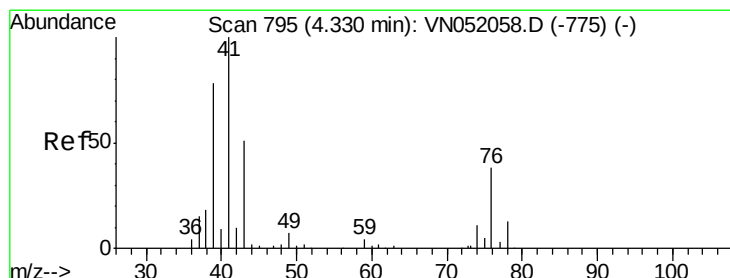
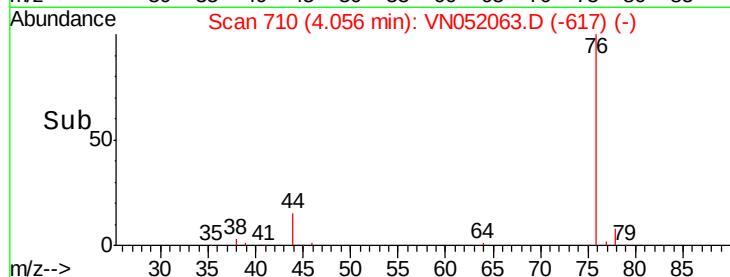
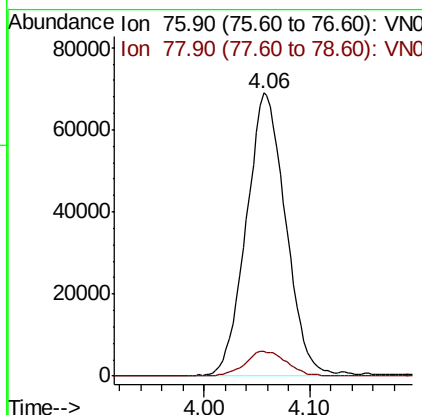
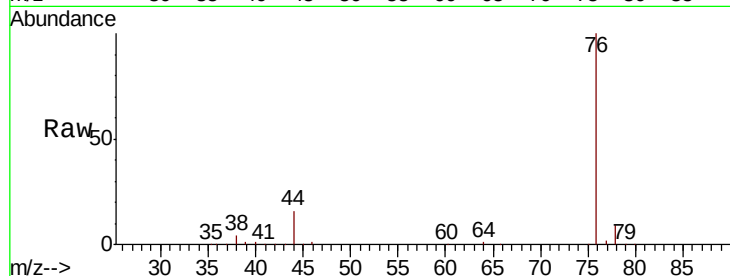
#17
Carbon Disulfide
Concen: 21.039 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion: 76 Resp: 179209
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2

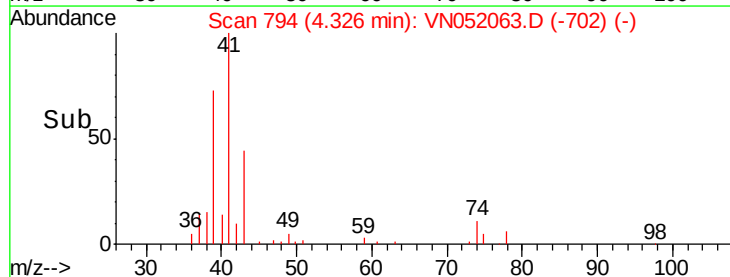
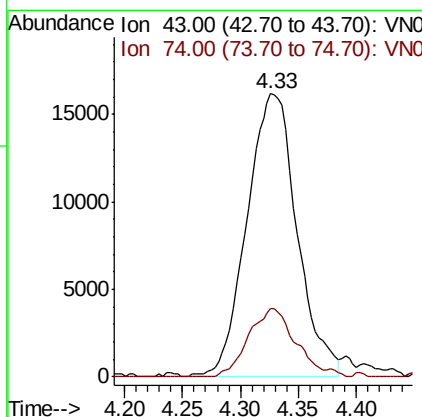
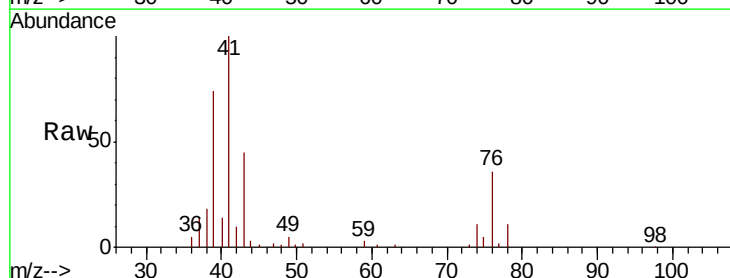
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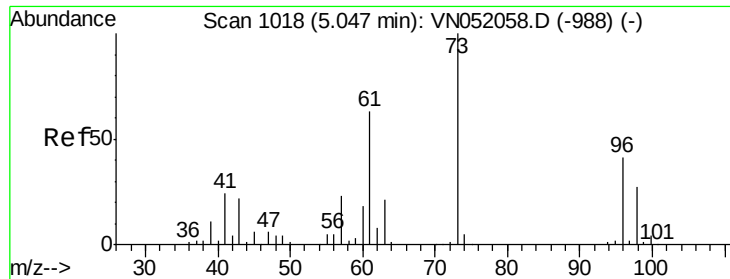
MMDadoda
11/1/2018 11:48:17 AM



#18
Methyl Acetate
Concen: 17.290 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 43 Resp: 48582
Ion Ratio Lower Upper
43 100
74 22.9 17.9 26.9





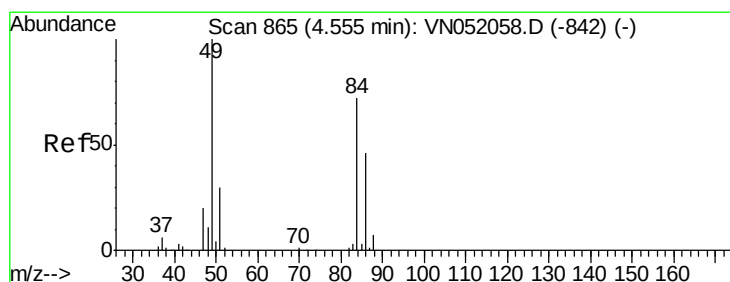
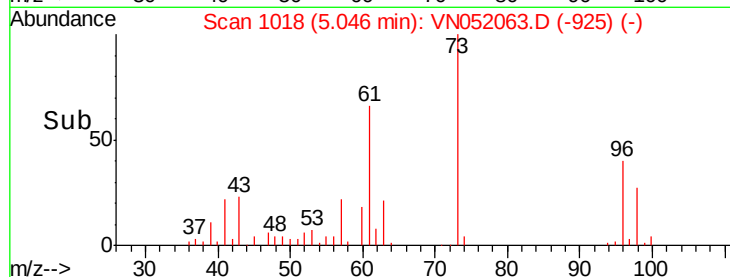
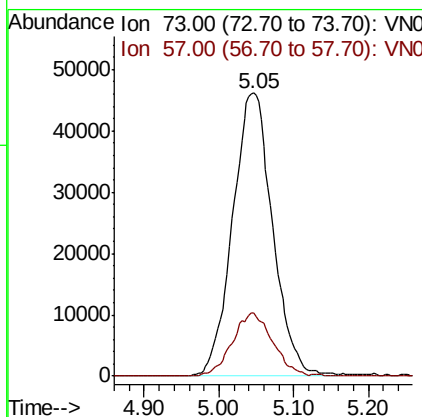
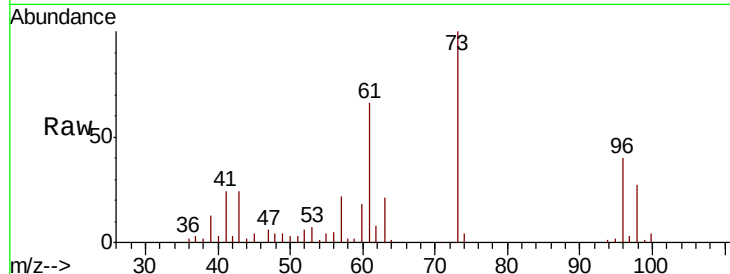
#19
Methvl tert-butvl Ether
Concen: 19.276 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion: 73 Resp: 171155
Ion Ratio Lower Upper
73 100
57 22.1 18.7 28.1

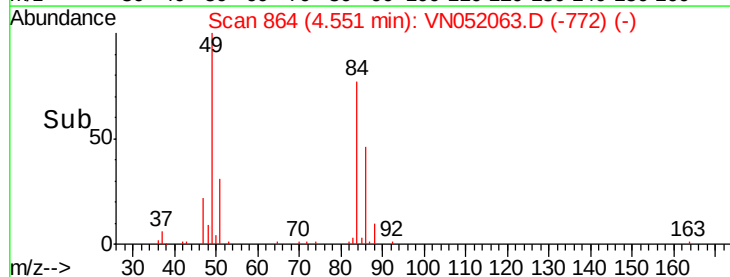
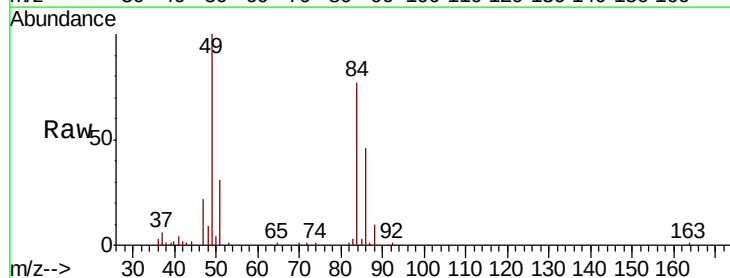
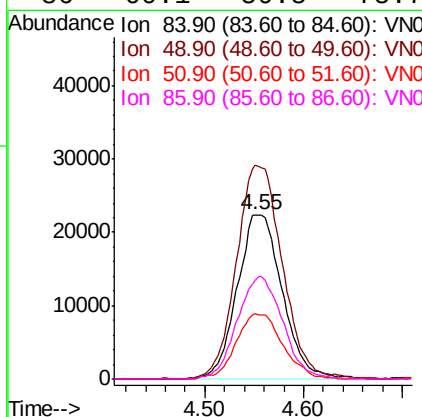
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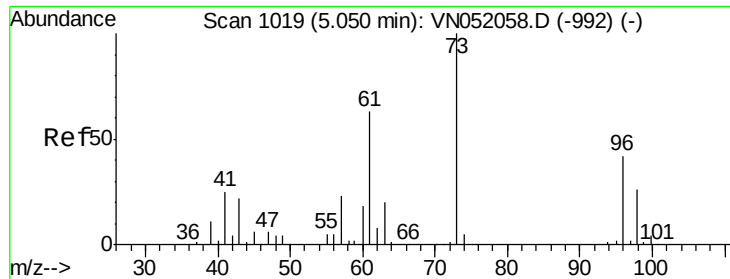
MMDadoda
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#20
Methylene Chloride
Concen: 21.056 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 84 Resp: 70813
Ion Ratio Lower Upper
84 100
49 129.1 110.6 165.8
51 39.7 33.7 50.5
86 60.1 50.5 75.7





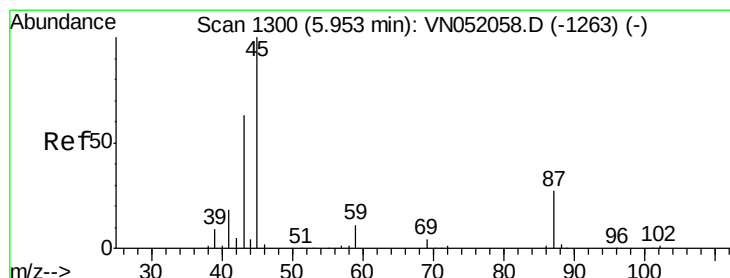
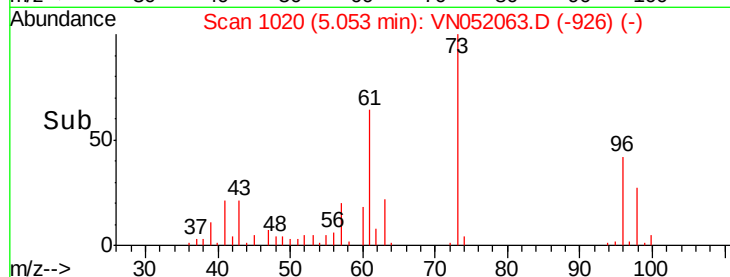
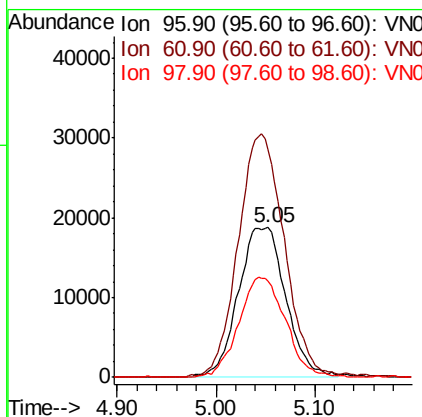
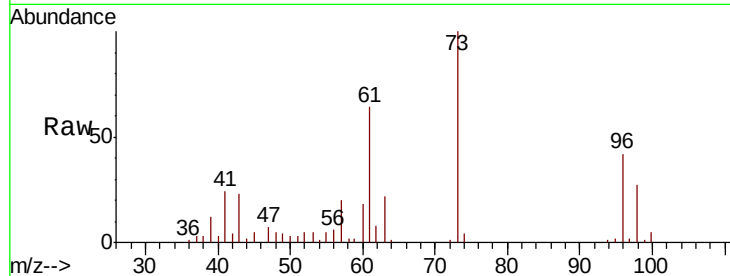
#21
trans-1,2-Dichloroethene
Concen: 20.262 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	118.6	178.0
98	64.4	49.7	74.5

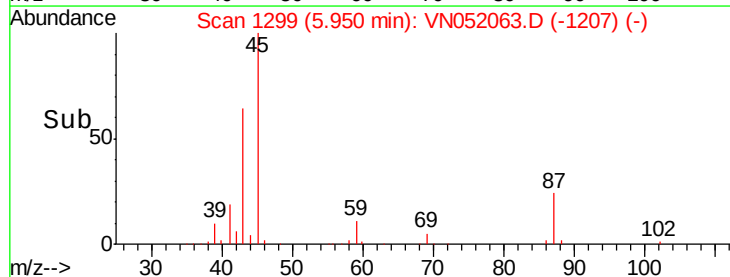
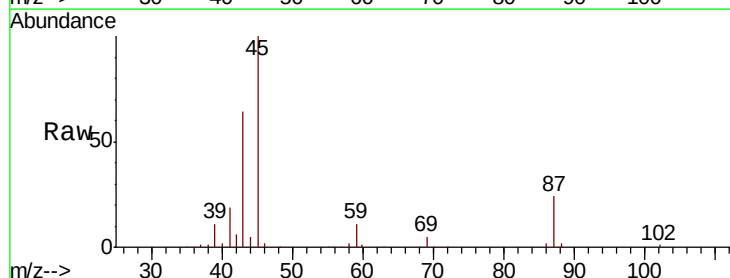
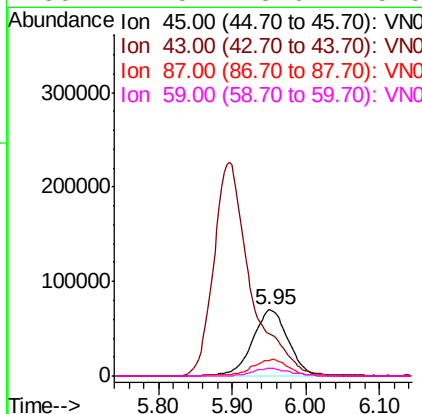
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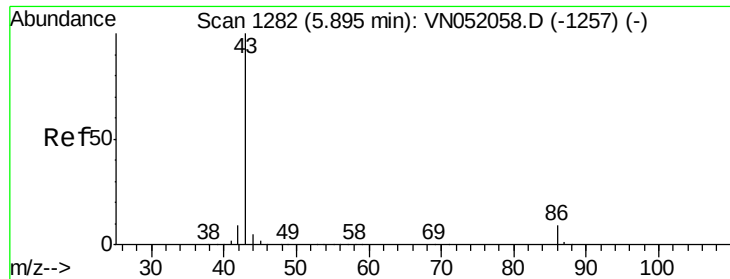
MMDadoda
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#22
Diisopropyl ether
Concen: 20.255 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	50.5	75.7
87	23.7	21.5	32.3
59	11.5	8.6	13.0





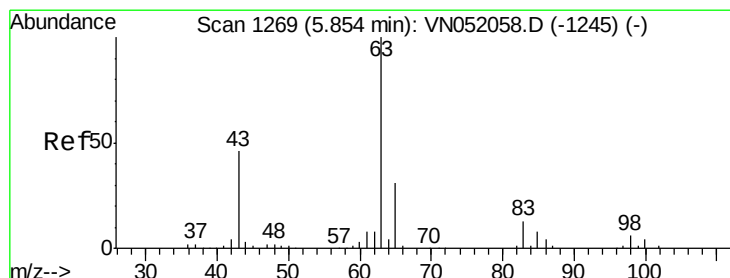
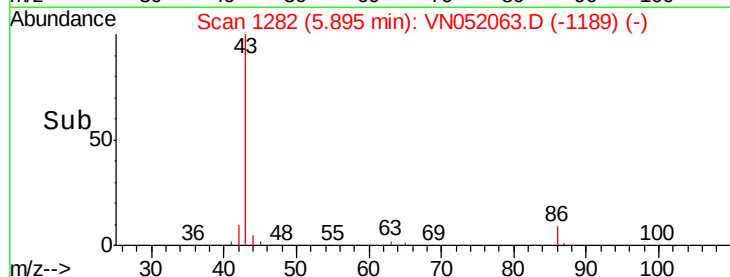
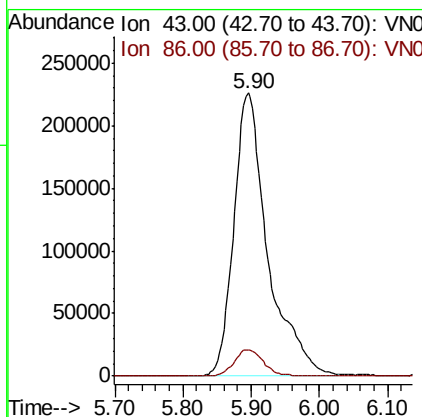
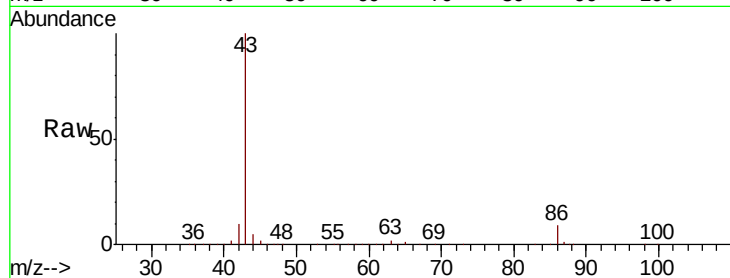
#23
 Vinyl Acetate
 Concen: 96.612 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

Tot Ion	43	Resp	782727
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.3	10.9

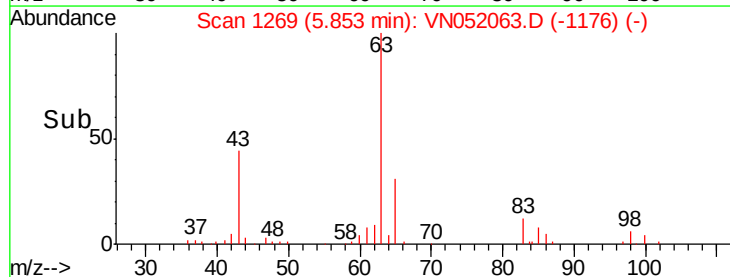
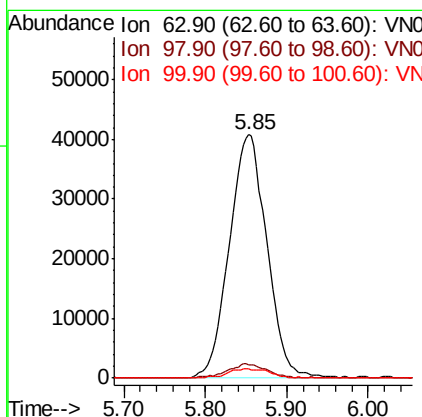
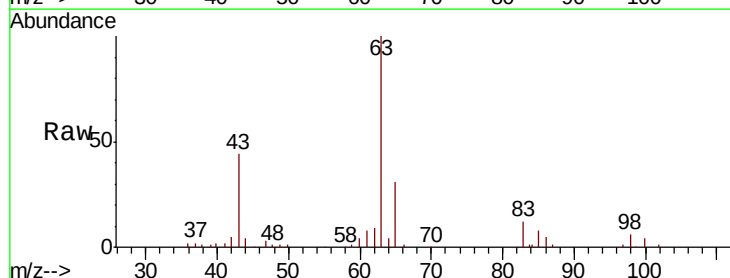
Manual Integrations
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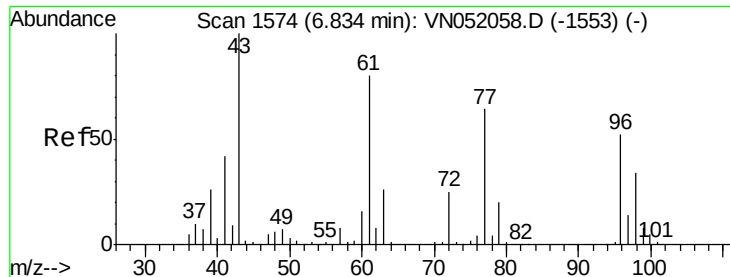
MMDadoda
 11/1/2018 11:48:17 AM



#24
 1,1-Dichloroethane
 Concen: 19.983 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	63	Resp	130659
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.8	8.4
100	3.8	2.0	6.0





#25

2-Butanone

Concen: 89.365 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tot Ion: 43 Resp: 123713

Ion Ratio Lower Upper

43 100

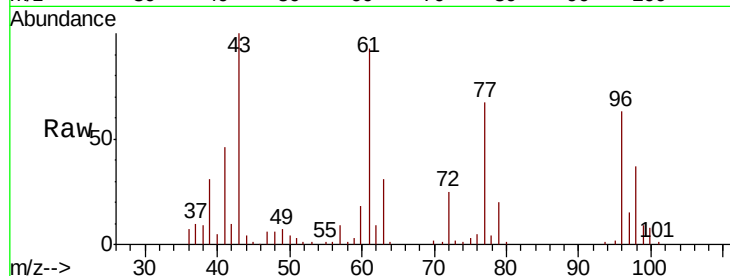
72 25.1 20.2 30.2

Manual Integrations

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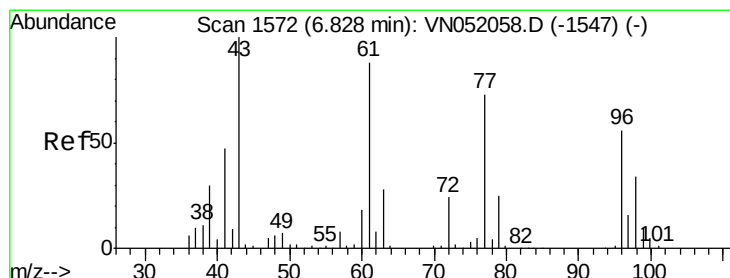
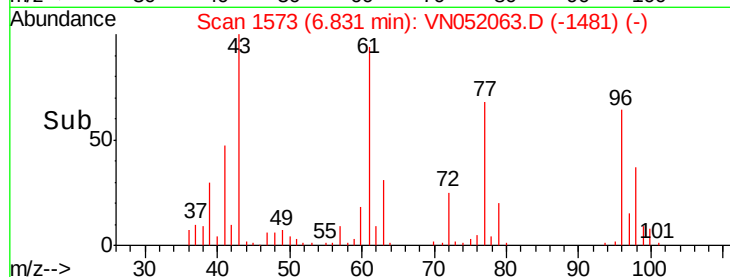
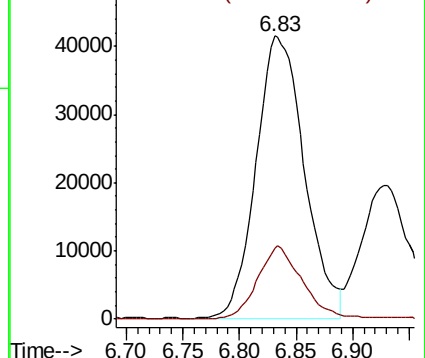
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.753 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN052063.D

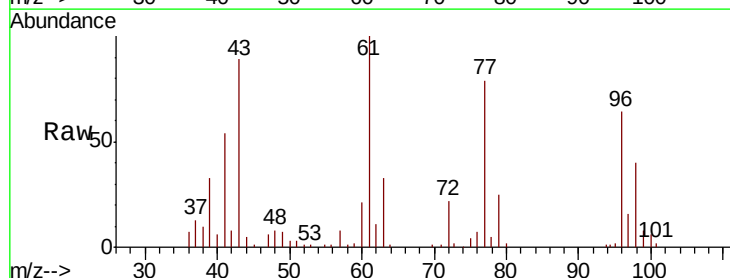
Acq: 30 Oct 2018 14:43

Tgt Ion: 77 Resp: 92186

Ion Ratio Lower Upper

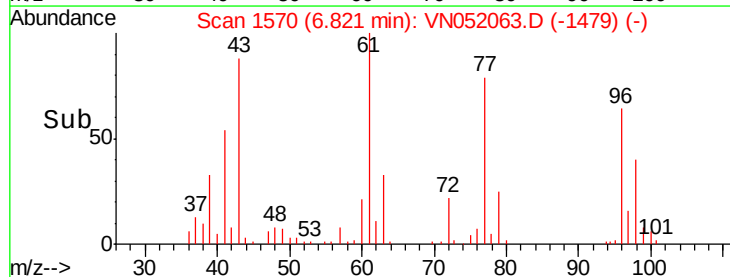
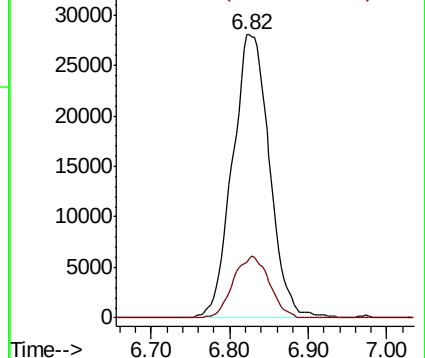
77 100

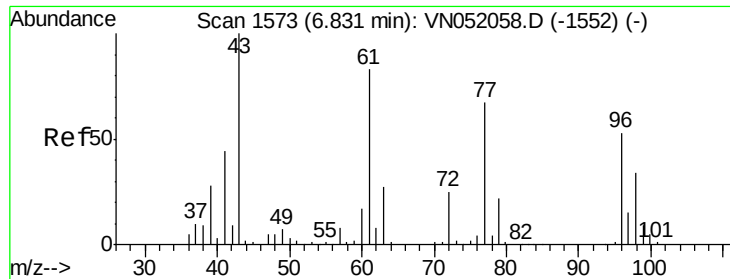
97 21.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.440 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

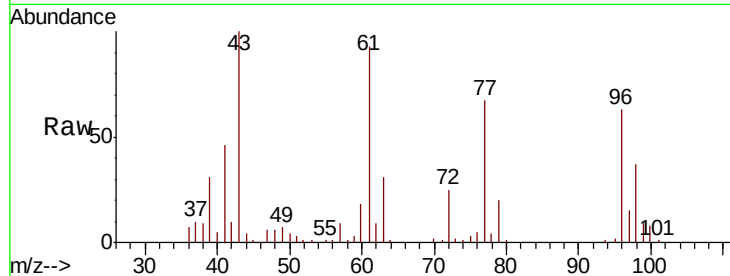
ClientSampleId :

VN1030WBS01

Tot Ion:	96	Resp:	75239
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	312.8
98	62.5	0.0	127.0

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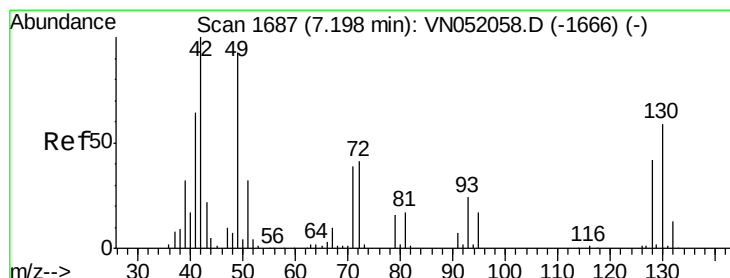
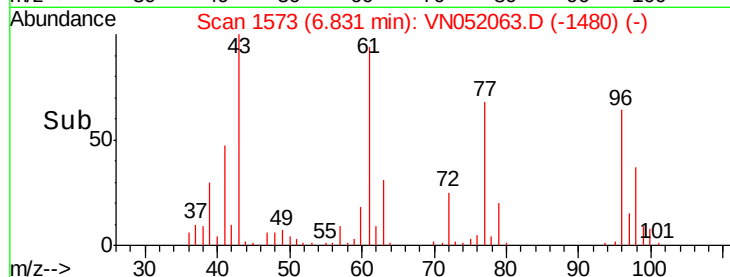
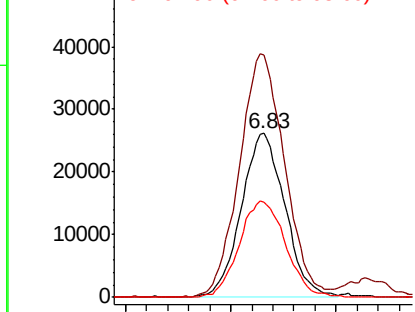


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.042 ug/l

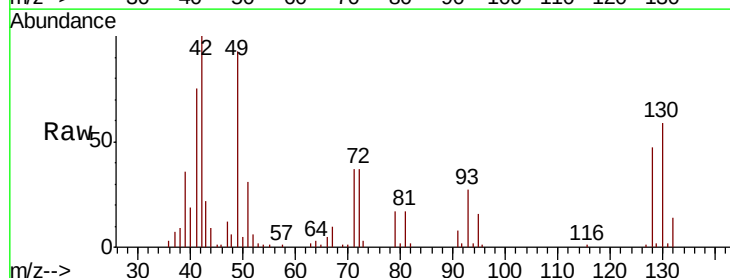
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	49	Resp:	58462
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.4
130	61.3	50.8	76.2

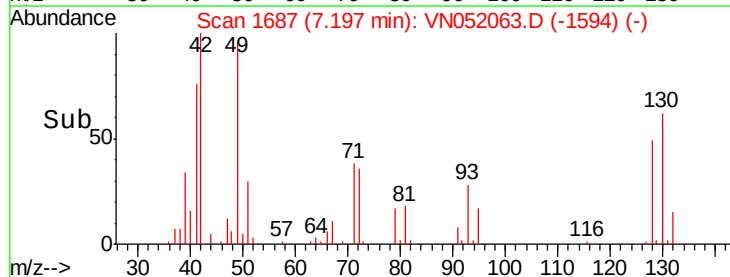
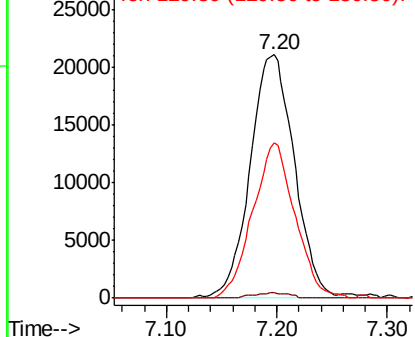


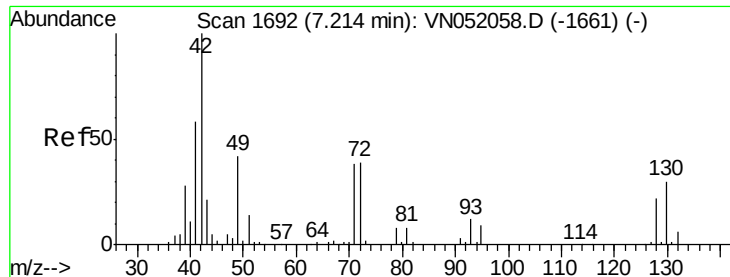
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





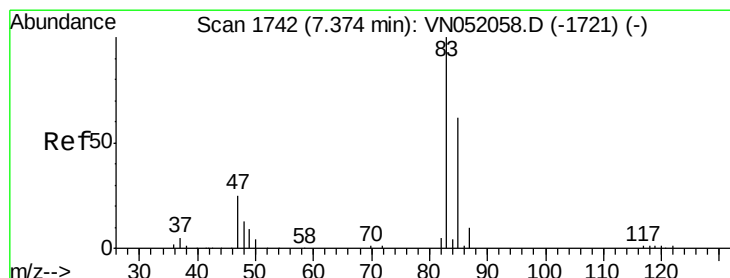
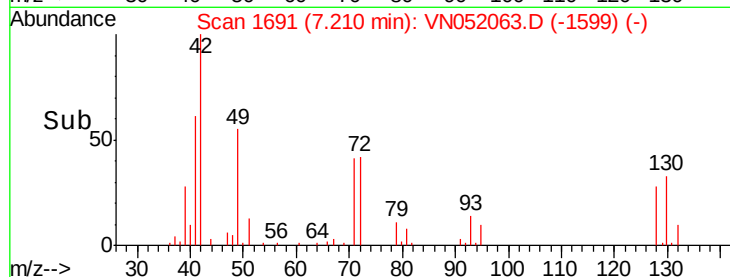
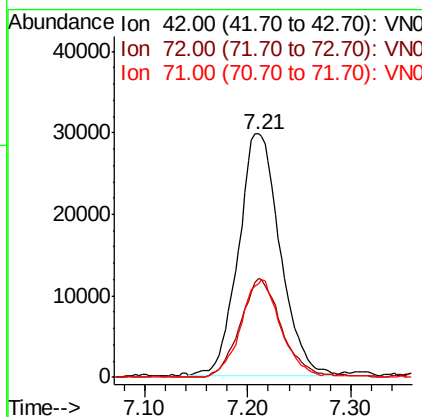
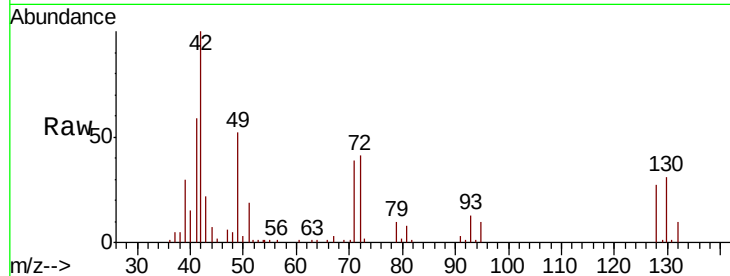
#29
Tetrahydrofuran
Concen: 89.600 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.5	48.7
71	38.8	30.6	46.0

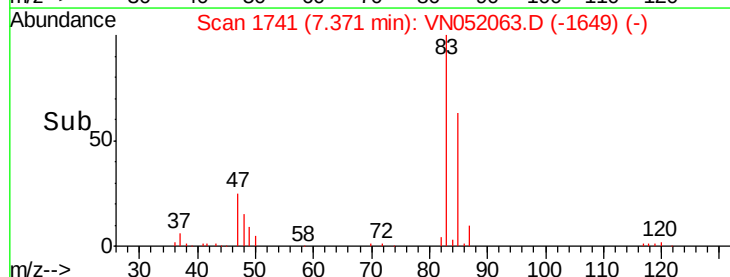
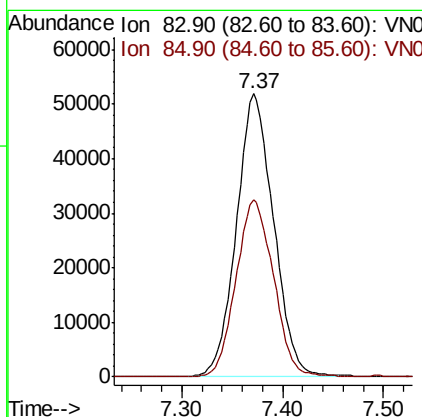
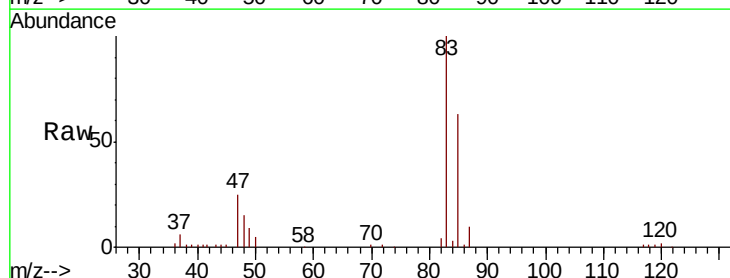
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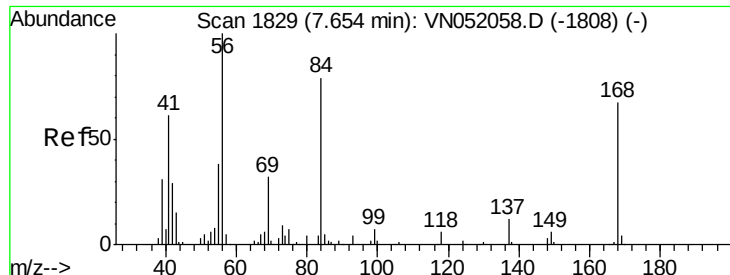
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#30
Chloroform
Concen: 20.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.6	74.4





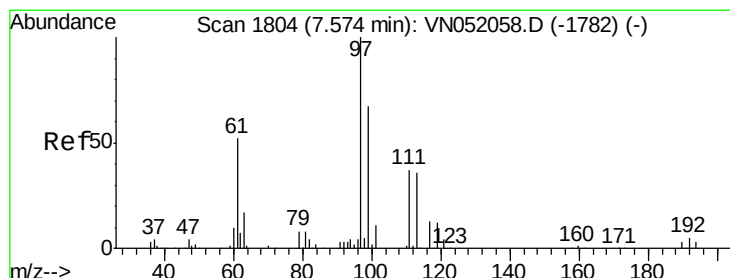
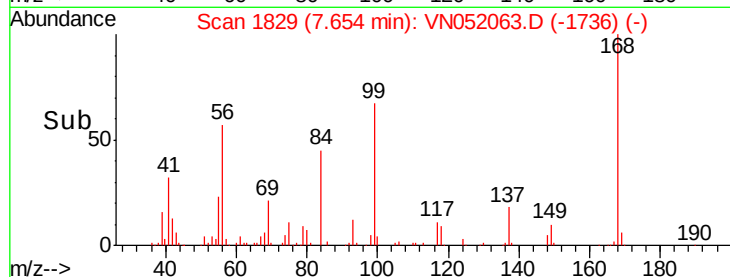
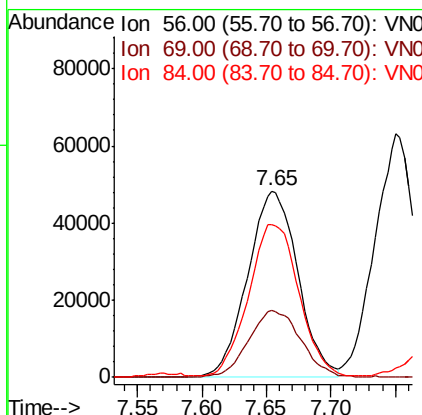
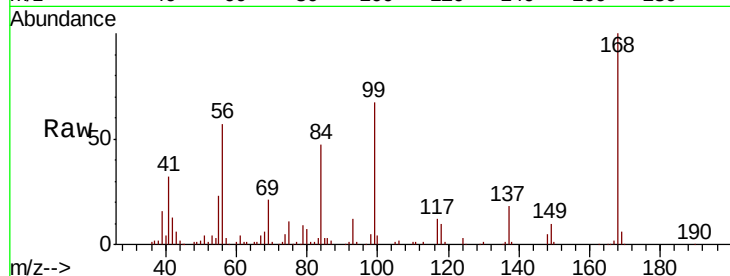
#31
Cyclohexane
Concen: 19.801 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.8	38.6
84	80.9	63.5	95.3

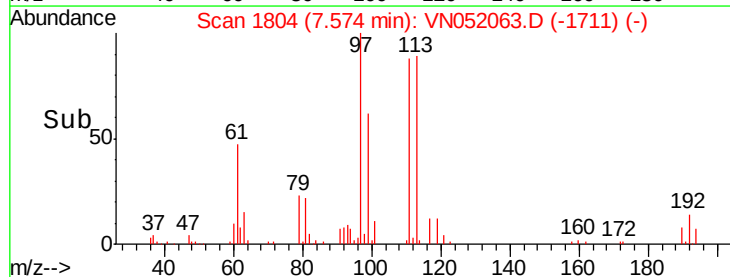
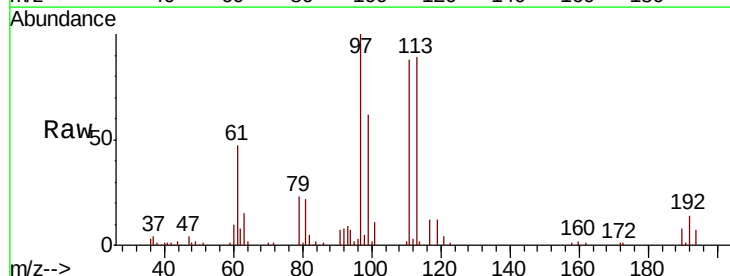
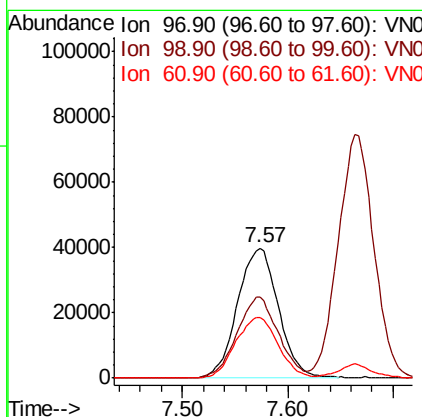
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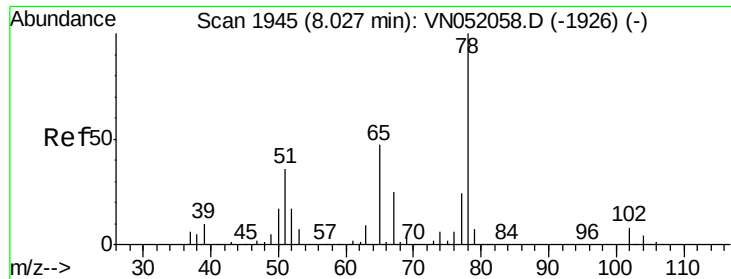
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#32
1,1,1-Trichloroethane
Concen: 20.480 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.2
61	48.5	40.3	60.5





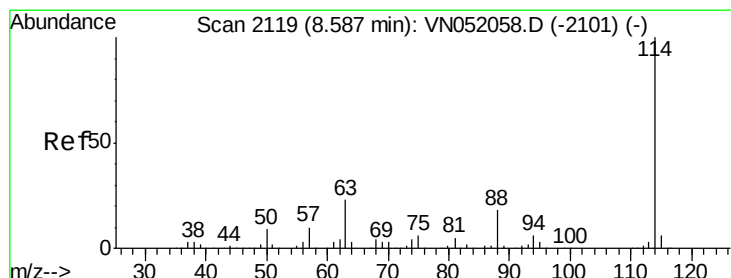
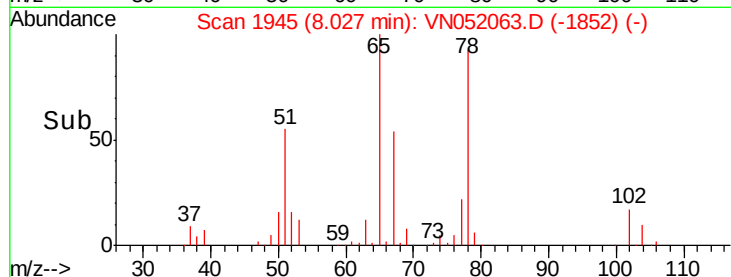
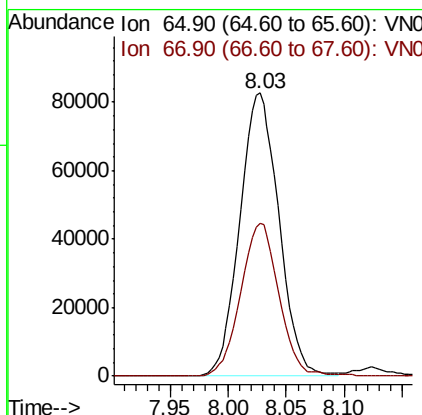
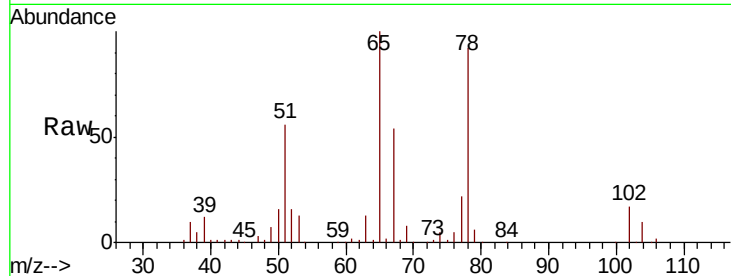
#33
 1,2-Dichloroethane-d4
 Concen: 20.480 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194500		
67	52.6	0.0	105.2	

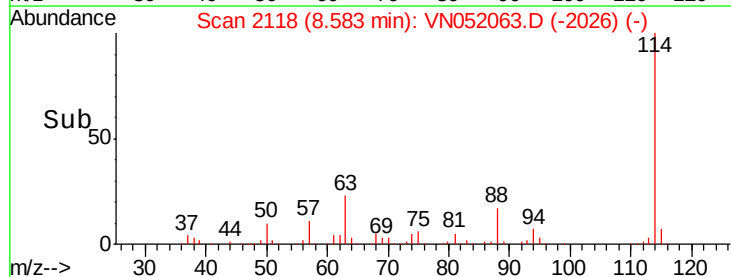
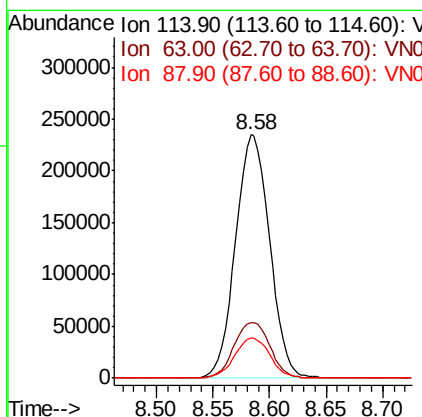
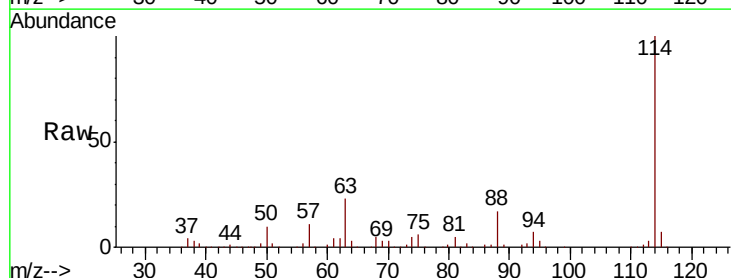
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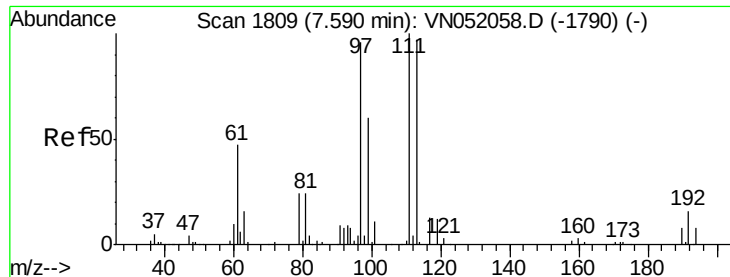
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	495020		
63	22.8	0.0	46.0	
88	16.6	0.0	35.4	





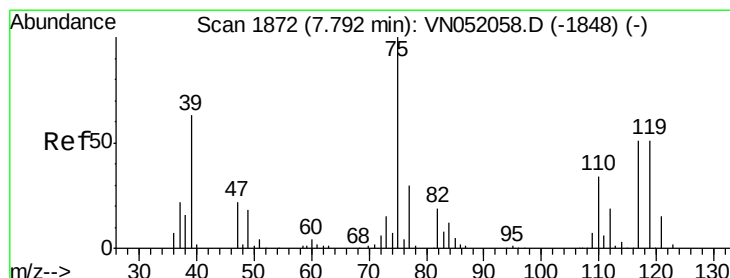
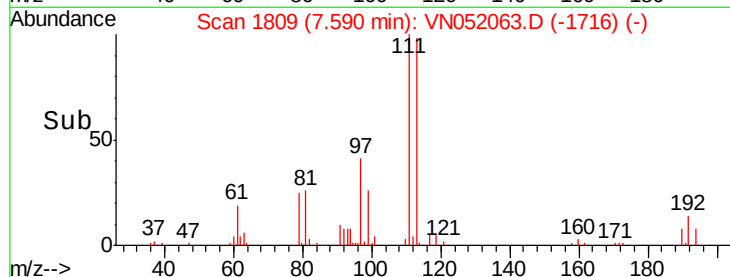
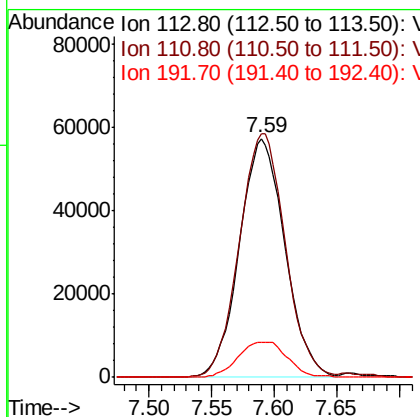
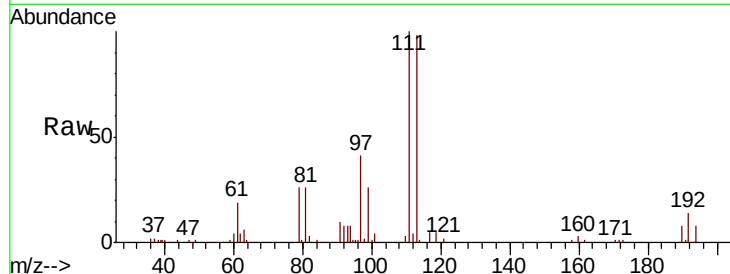
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144251		
111	103.0	83.1	124.7	
192	16.1	12.7	19.1	

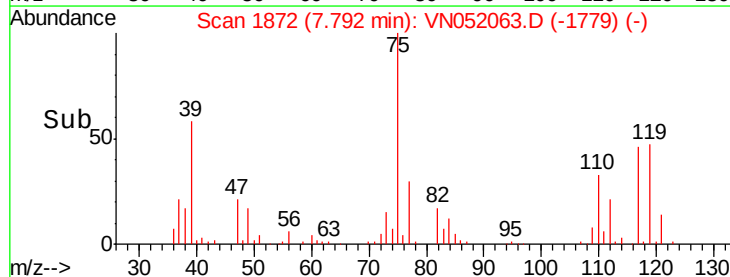
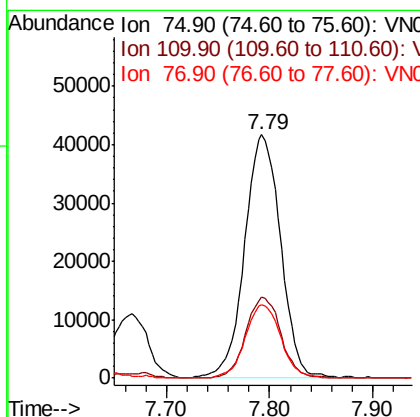
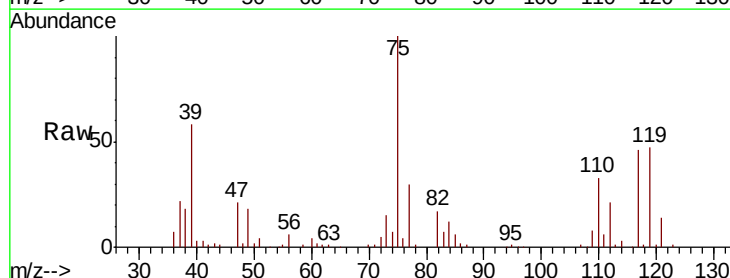
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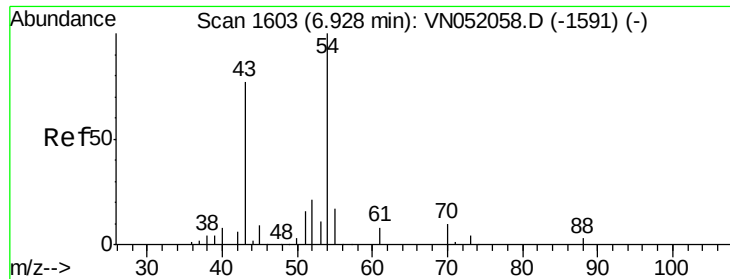
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.077 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101055		
110	32.2	16.0	48.0	
77	29.7	24.5	36.7	





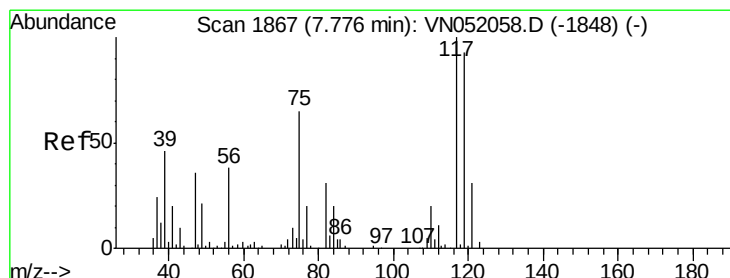
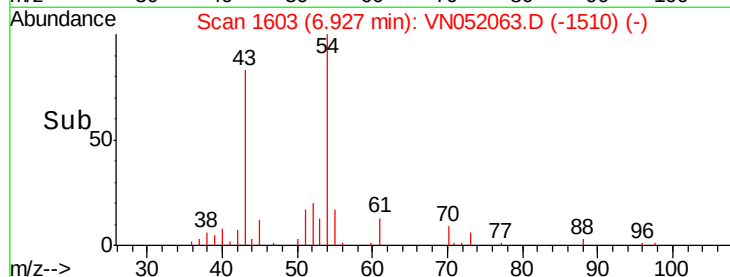
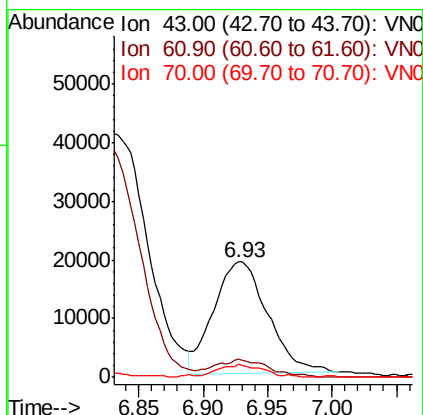
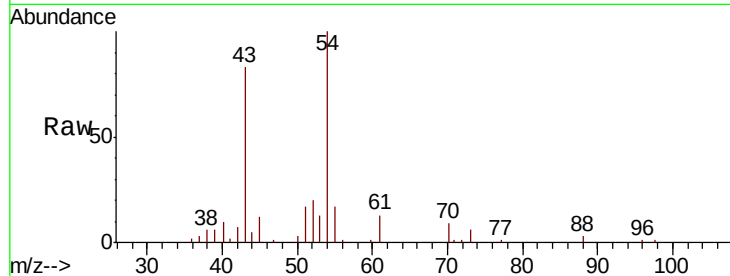
#37
Ethyl Acetate
Concen: 16.700 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.9	16.3
70	7.8	8.6	12.8

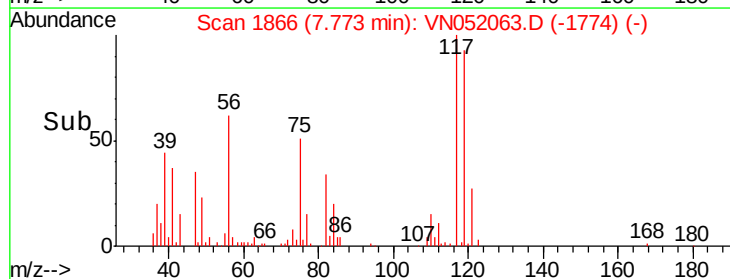
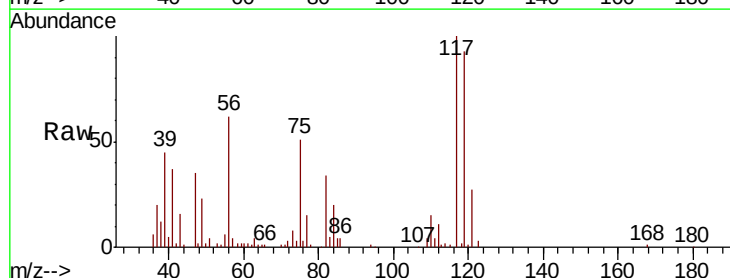
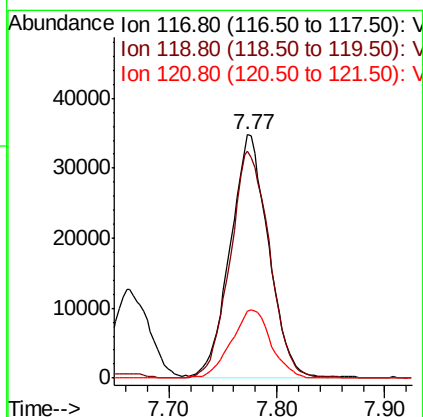
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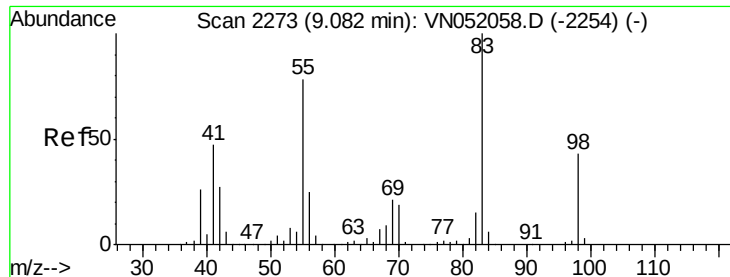
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.828 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.8	112.2
121	27.4	25.1	37.7





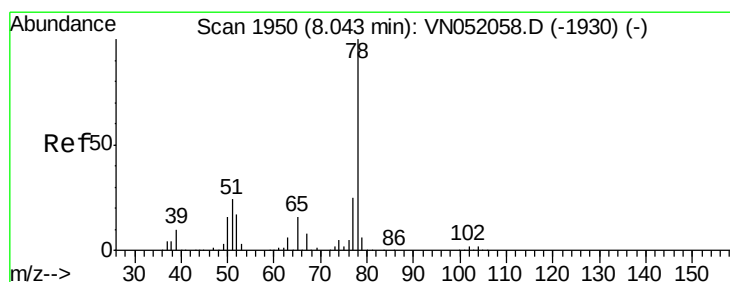
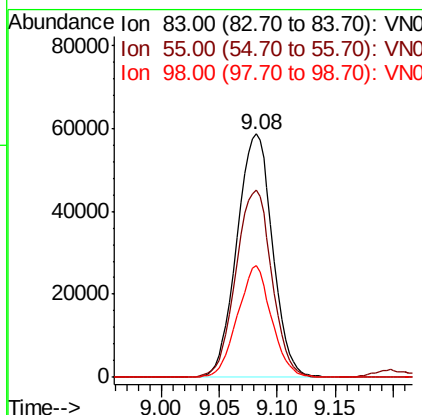
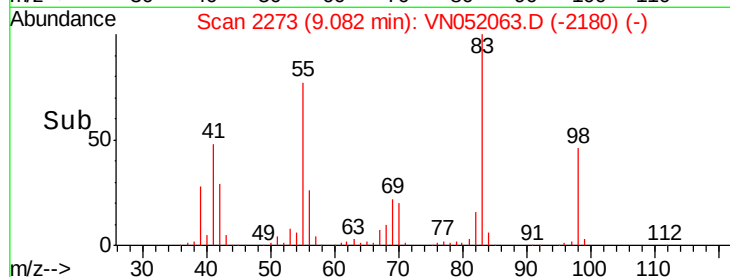
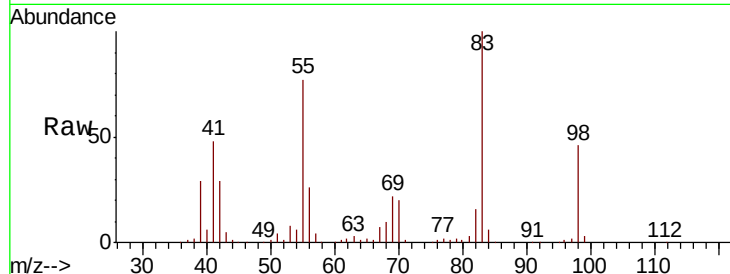
#39
Methylvlcyclohexane
Concen: 21.028 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.0	93.0
98	45.8	34.7	52.1

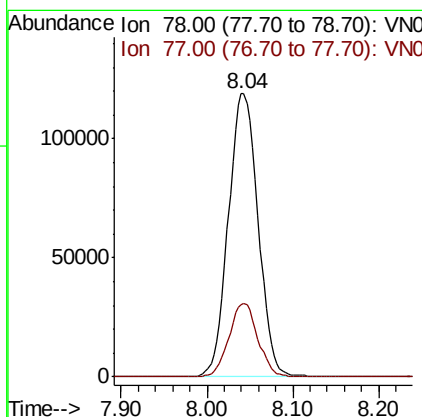
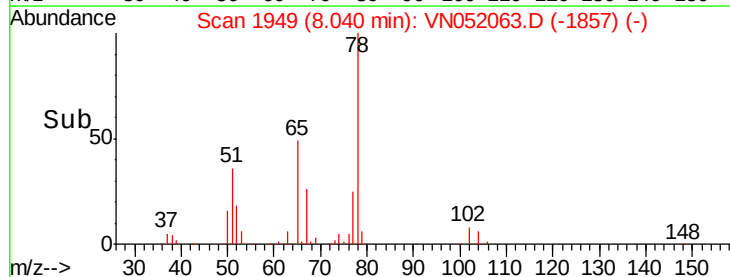
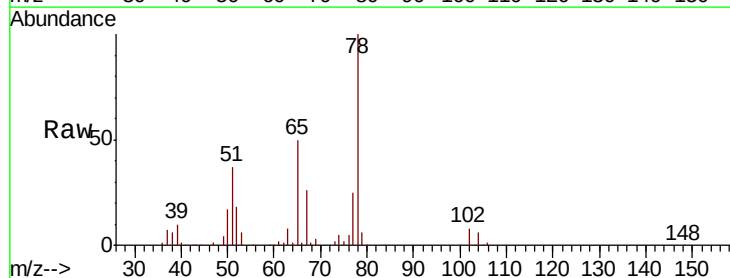
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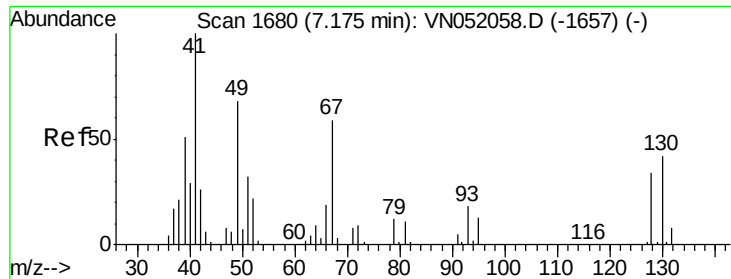
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#40
Benzene
Concen: 19.625 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.8	29.6





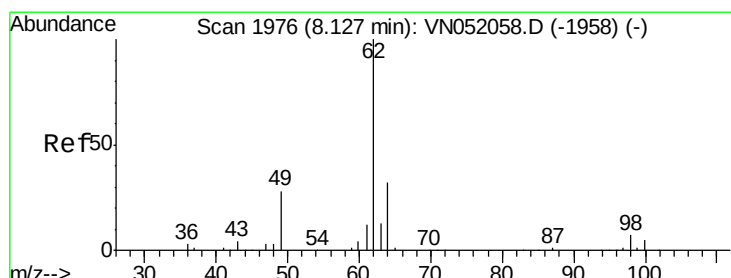
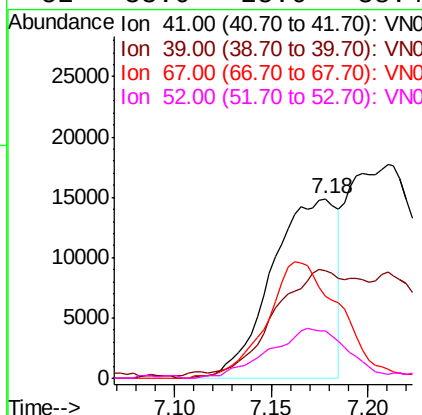
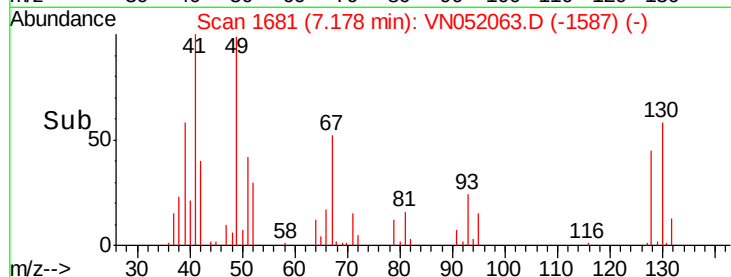
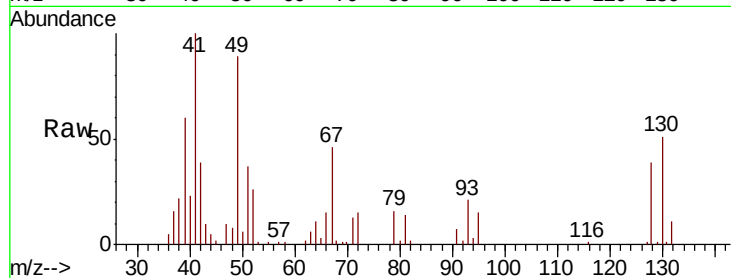
#41
Methacrylonitrile
Concen: 20.193 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	33.2	49.8#
67	73.8	63.5	95.3
52	33.0	25.6	38.4

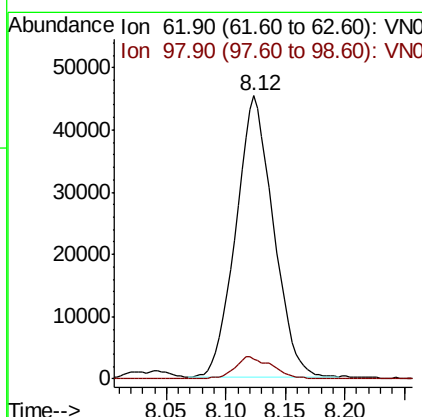
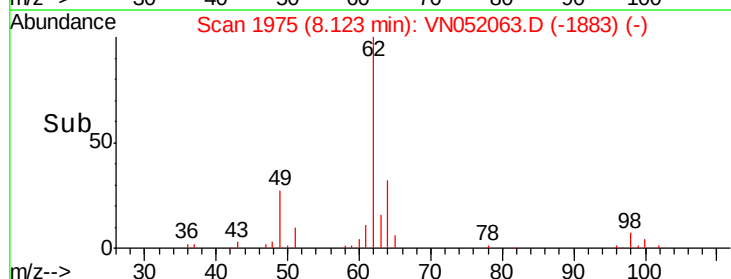
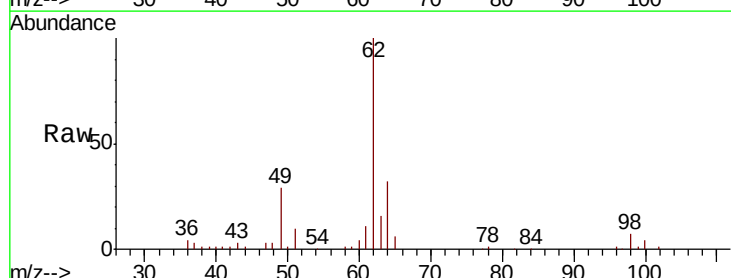
Manual Integrations
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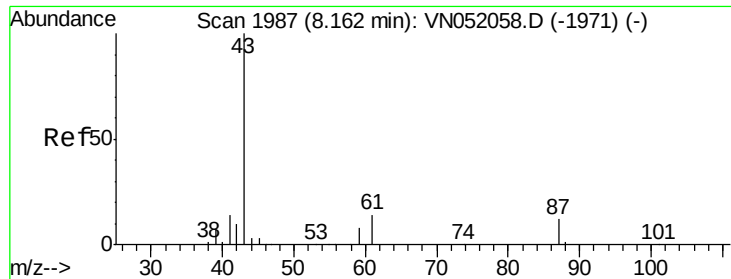
MMDadoda
11/1/2018 11:48:17 AM



#42
1,2-Dichloroethane
Concen: 18.320 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43

Isopropyl Acetate

Concen: 18.764 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

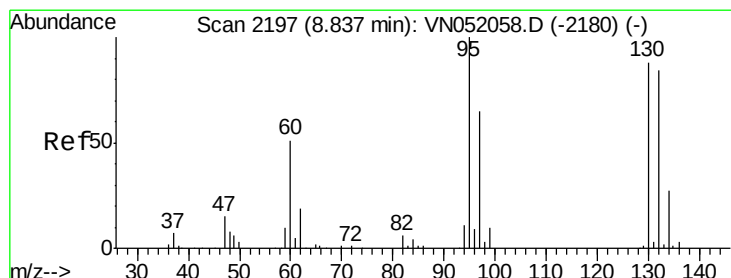
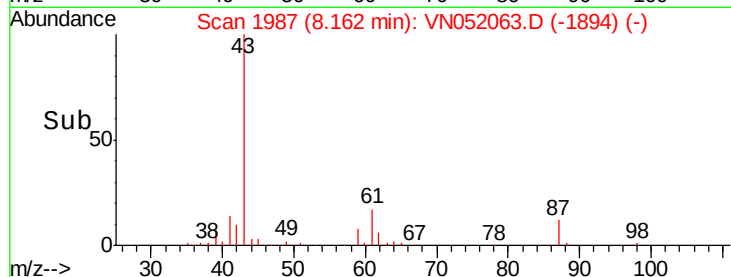
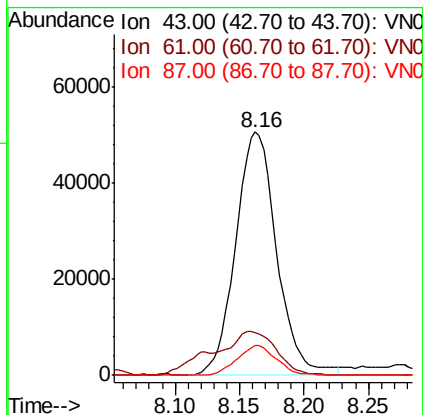
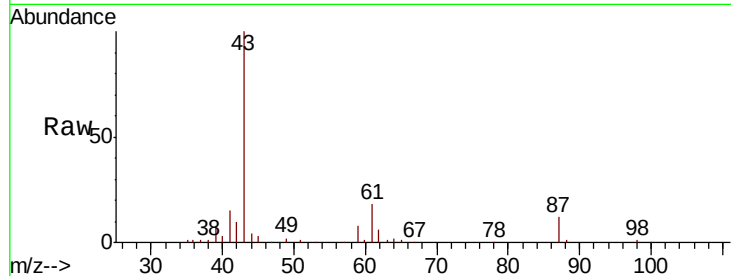
ClientSampleId :

VN1030WBS01

Tot Ion:	43	Resp:	112439
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.4	23.0
87	11.7	9.8	14.8

Manual Integrations
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11/1/2018 11:48:17 AM



#44

Trichloroethene

Concen: 20.086 ug/l

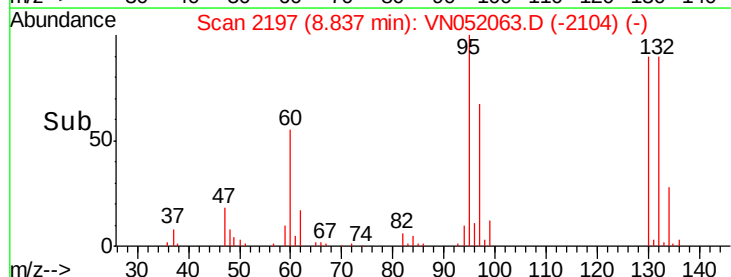
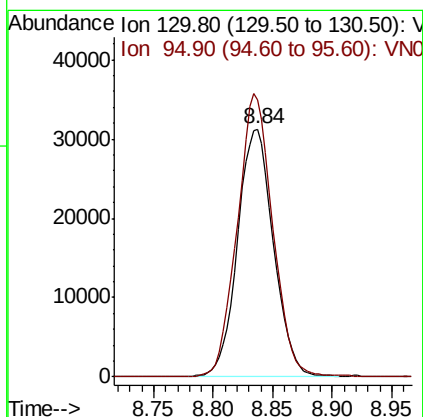
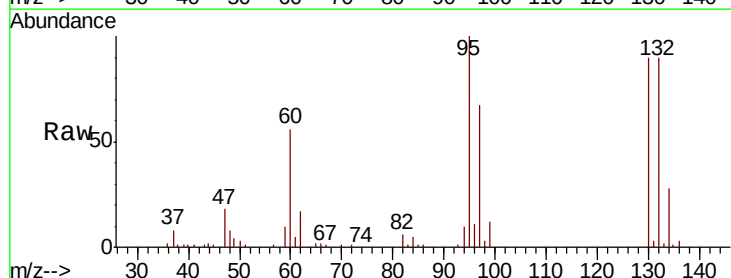
RT: 8.84 min Scan# 2197

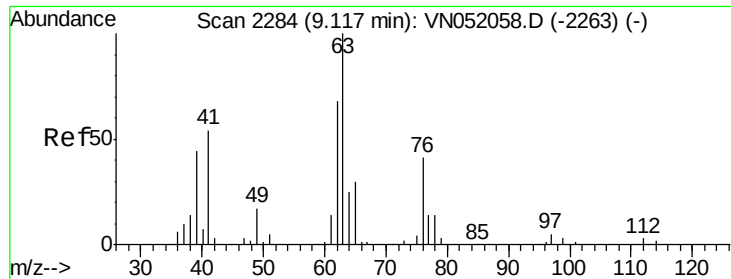
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	130	Resp:	65399
Ion	Ratio	Lower	Upper
130	100		
95	111.6	0.0	228.4





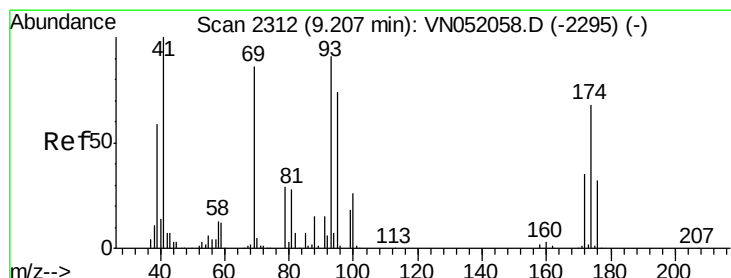
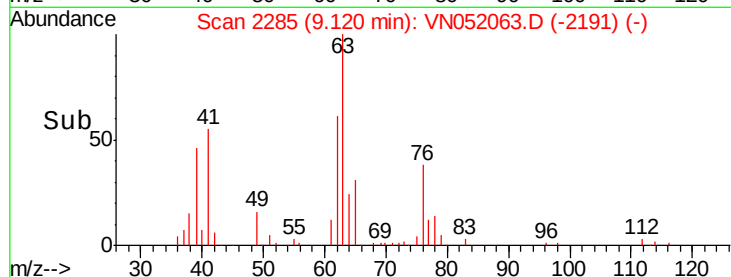
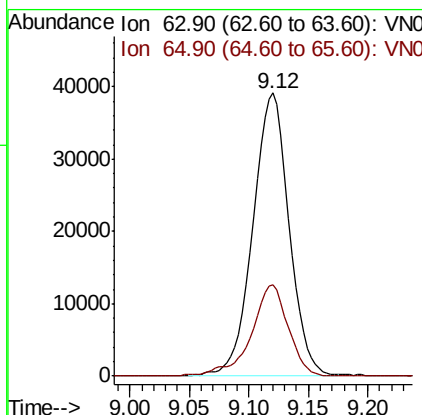
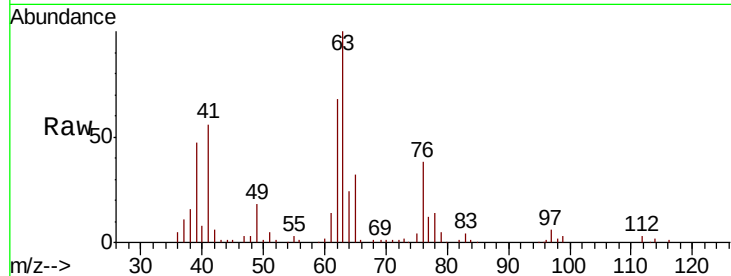
#45
 1,2-Dichloropropane
 Concen: 19.864 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion: 63 Resp: 82384
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.5 36.7

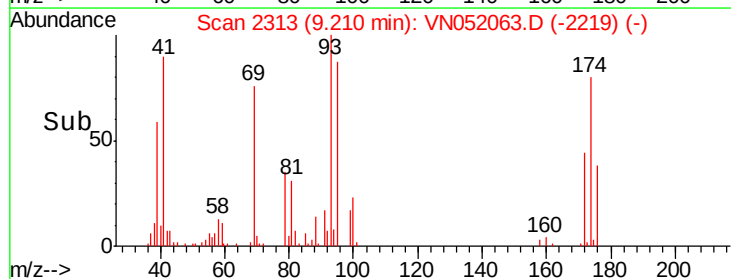
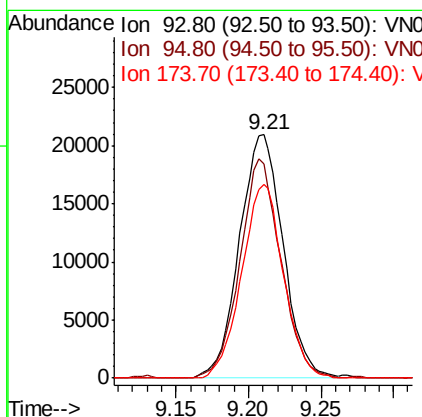
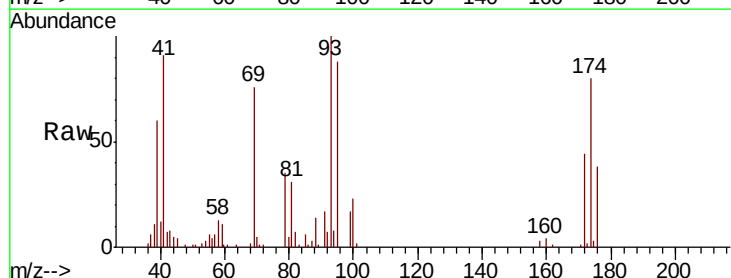
Manual Integrations
 APPROVED

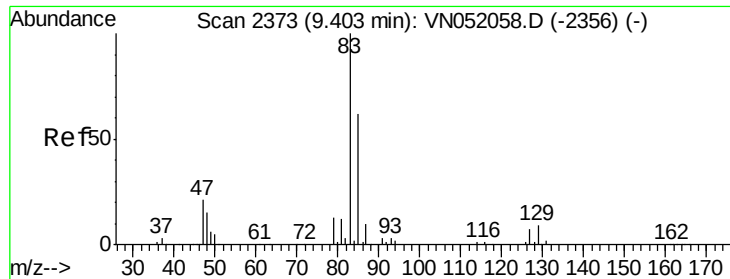
MMDadoda
 11/1/2018 11:48:17 AM



#46
 Dibromomethane
 Concen: 18.891 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion: 93 Resp: 43789
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.2 100.8
 174 76.1 59.7 89.5





#47

Bromodichloromethane

Concen: 19.735 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

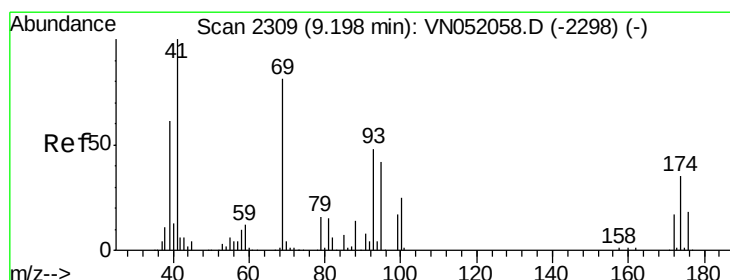
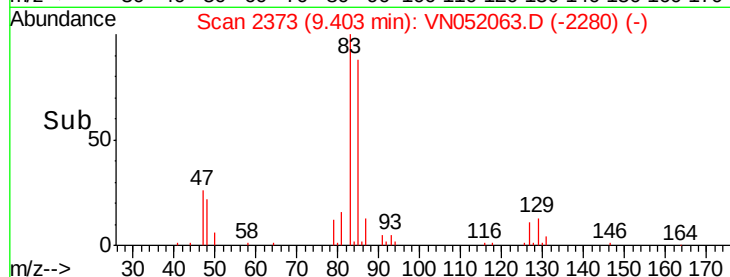
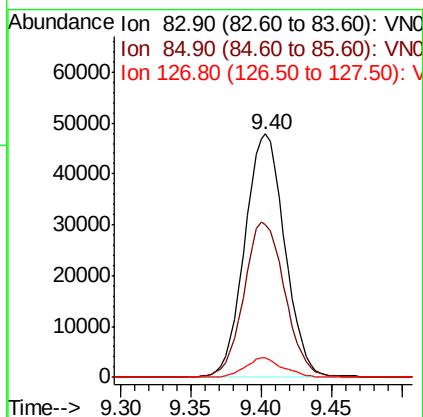
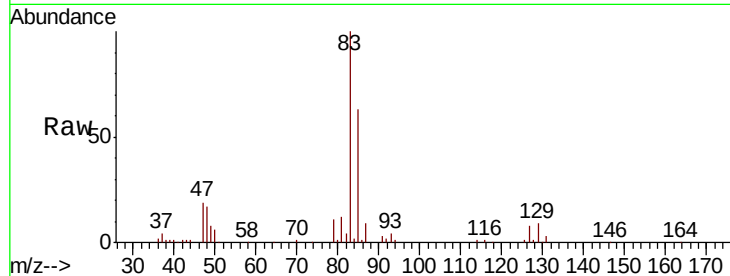
ClientSampleId :

VN1030WBS01

Tot Ion:	83	Resp:	95405
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.4	74.2
127	8.1	5.8	8.8

Manual Integrations
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MMDadoda
11/1/2018 11:48:17 AM



#48

Methyl methacrylate

Concen: 18.152 ug/l

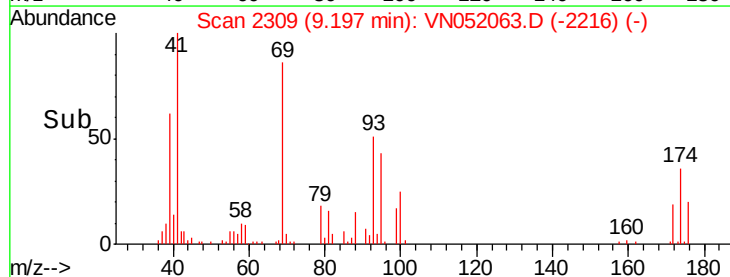
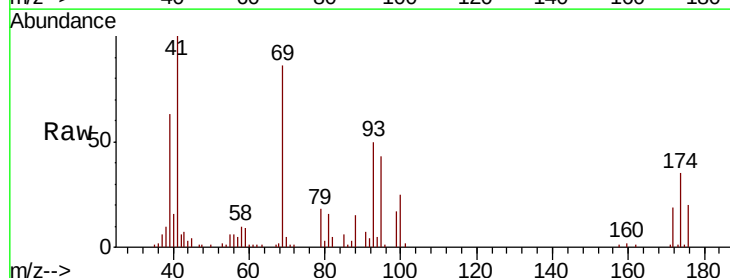
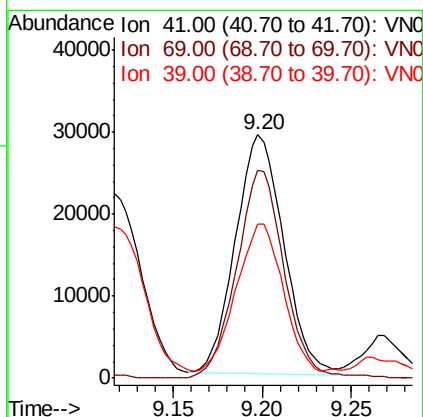
RT: 9.20 min Scan# 2309

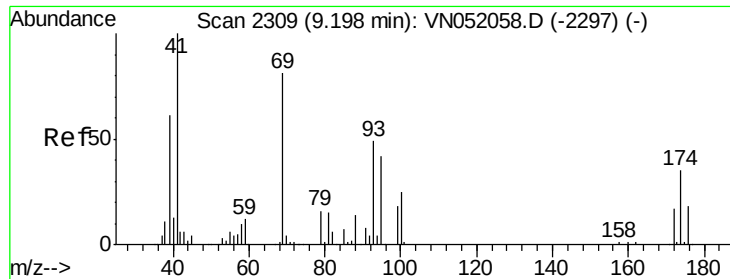
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	41	Resp:	55145
Ion	Ratio	Lower	Upper
41	100		
69	85.7	67.1	100.7
39	63.4	50.5	75.7





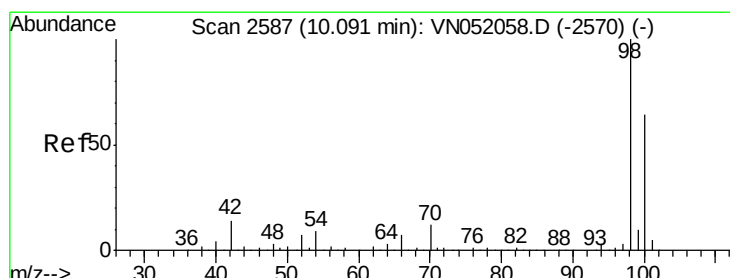
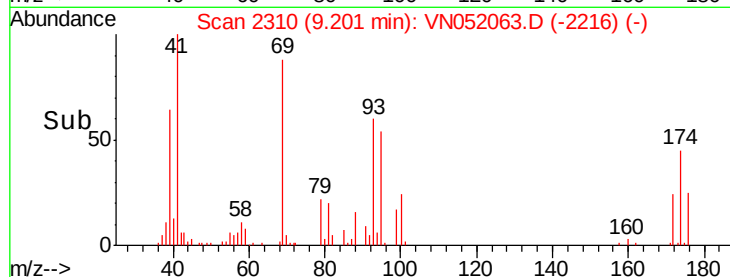
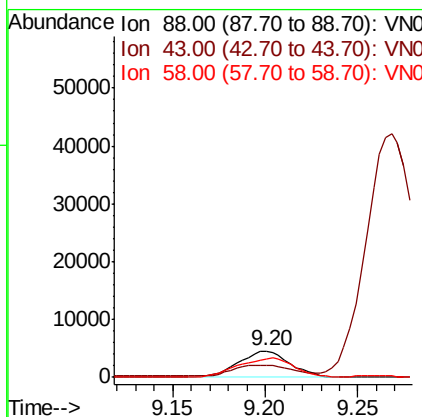
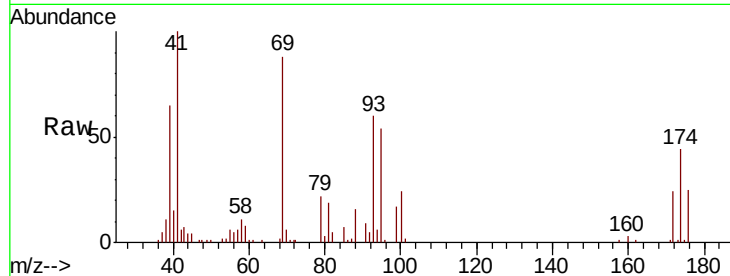
#49
1,4-Dioxane
Concen: 360.324 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.1	34.1	51.1
58	79.2	62.8	94.2

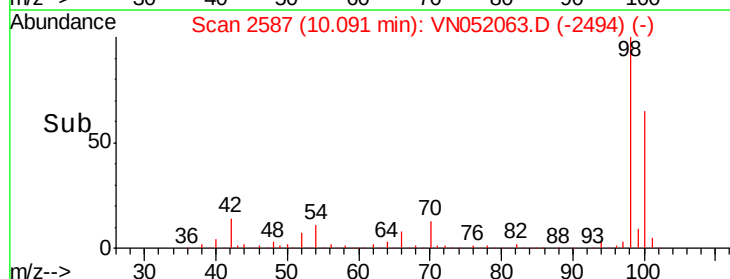
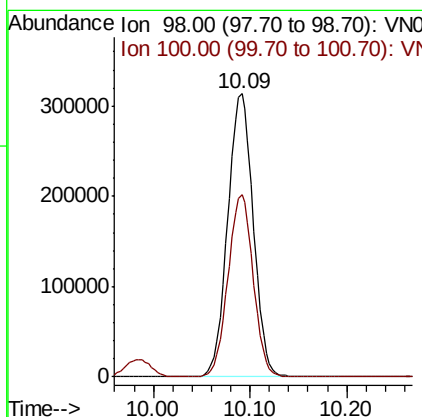
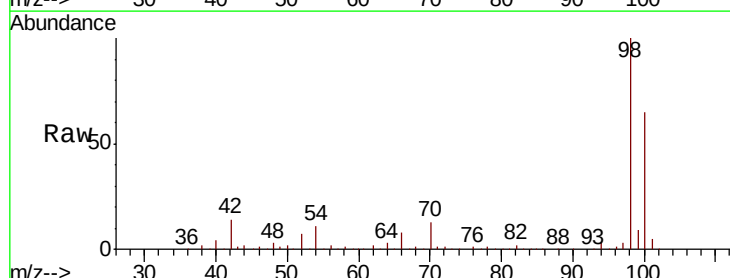
Manual Integrations
APPROVED

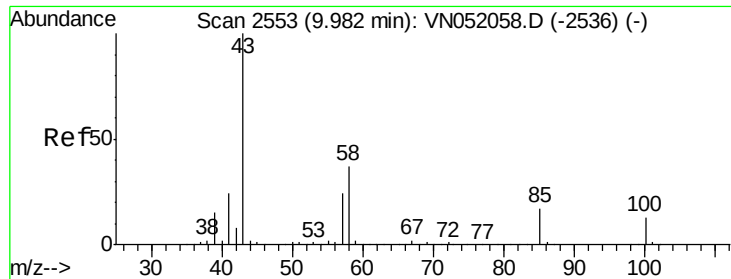
MMDadoda
11/1/2018 11:48:17 AM



#50
Toluene-d8
Concen: 360.324 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 89.655 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tot Ion: 43 Resp: 291997

Ion Ratio Lower Upper

43 100

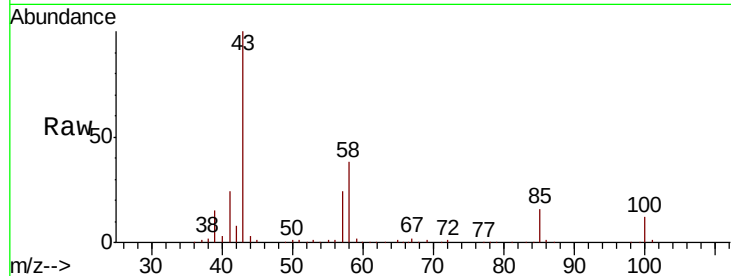
58 36.9 29.7 44.5

Manual Integrations

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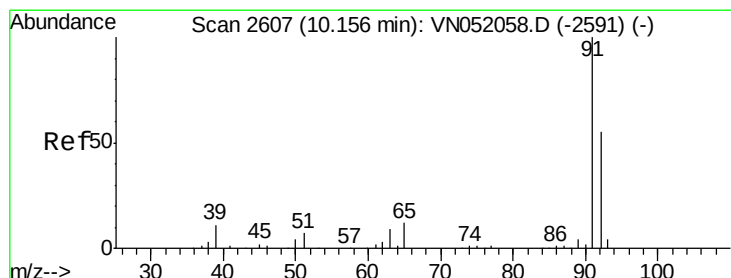
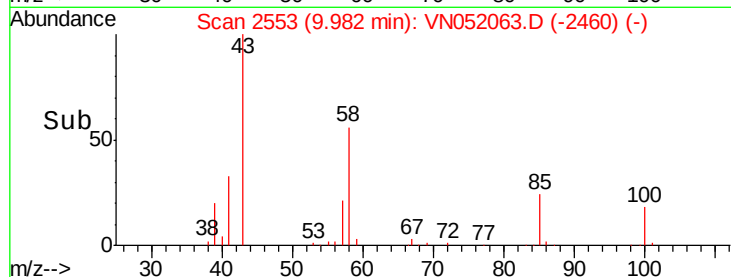
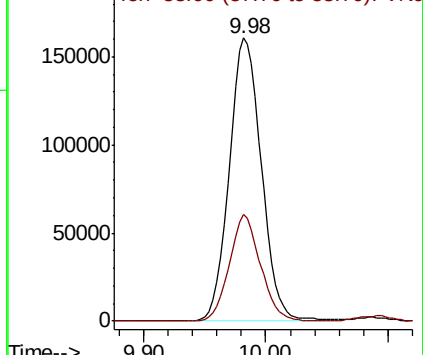
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.967 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052063.D

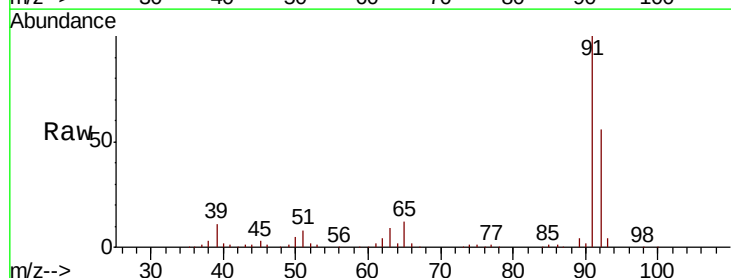
Acq: 30 Oct 2018 14:43

Tgt Ion: 92 Resp: 175485

Ion Ratio Lower Upper

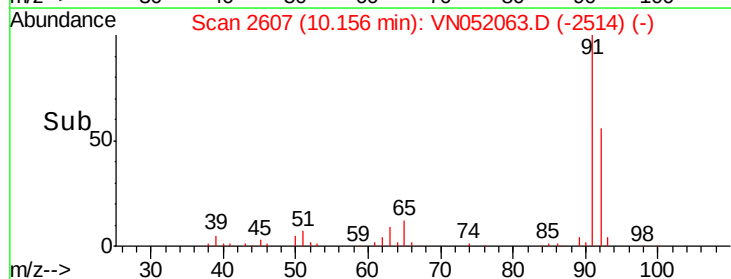
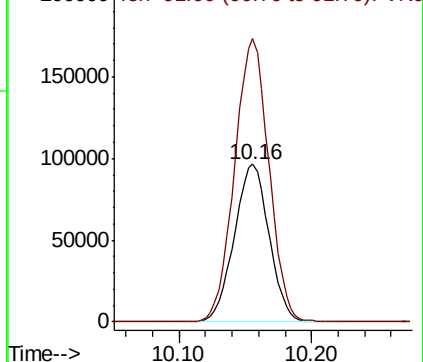
92 100

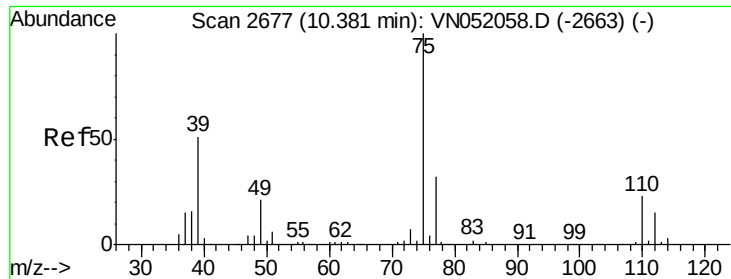
91 177.6 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





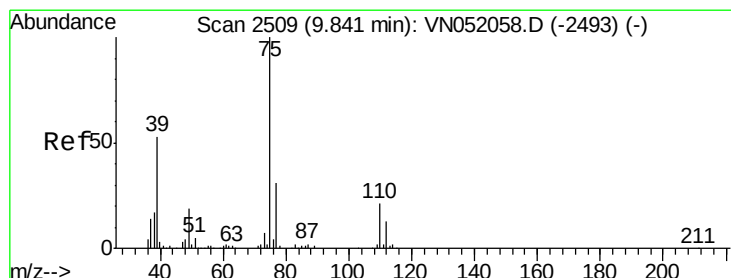
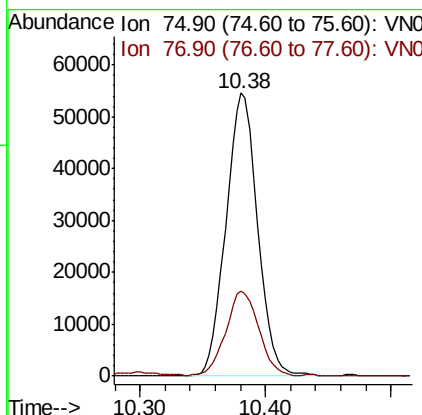
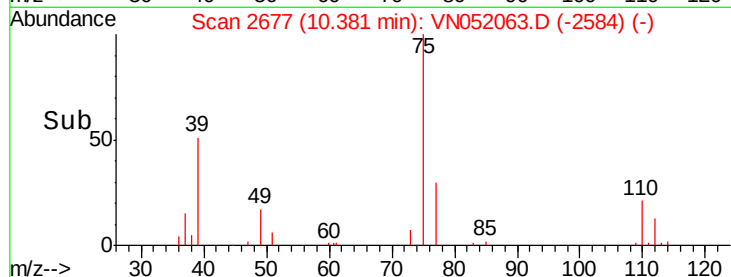
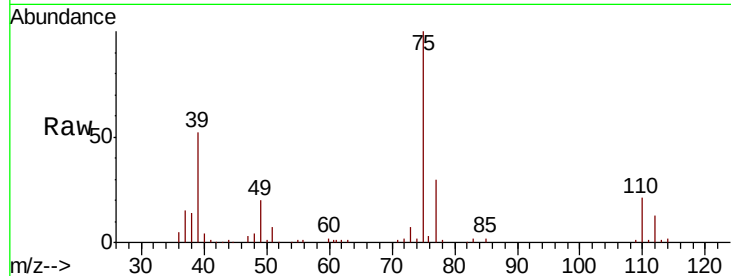
#53
t-1,3-Dichloropropene
Concen: 18.663 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.6	38.4

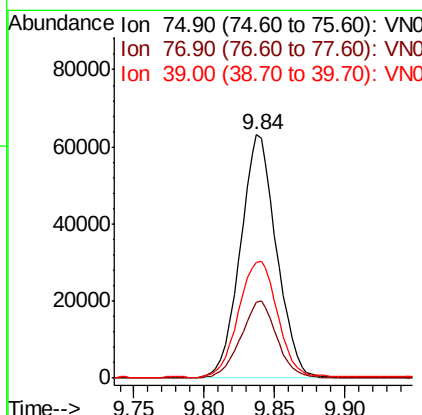
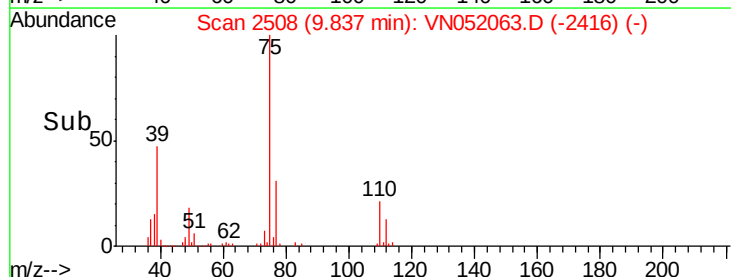
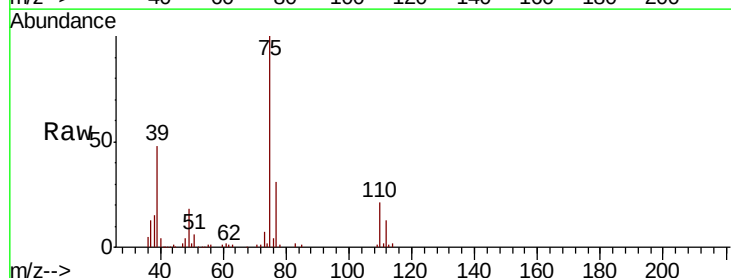
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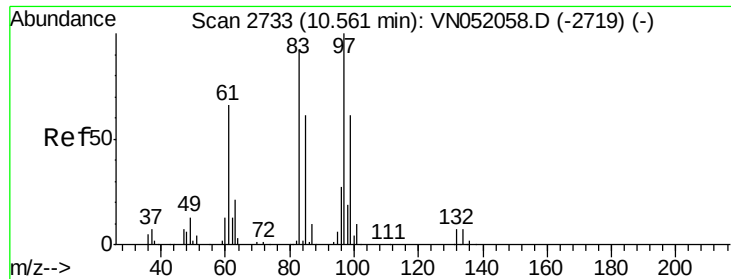
MMDadoda
11/1/2018 11:48:17 AM



#54
cis-1,3-Dichloropropene
Concen: 19.972 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	47.2	42.3	63.5





#55

1,1,2-Trichloroethane

Concen: 19.225 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

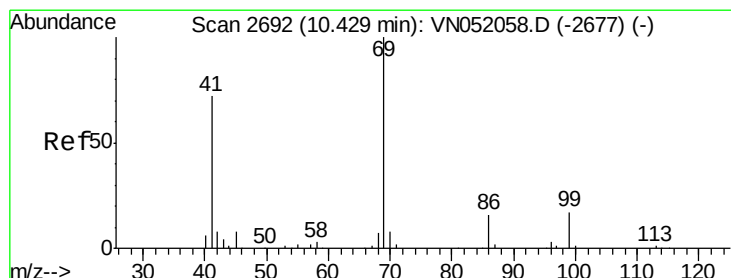
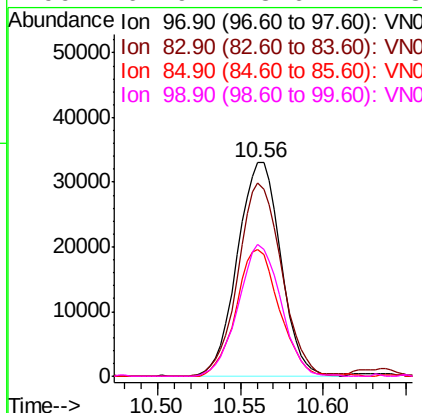
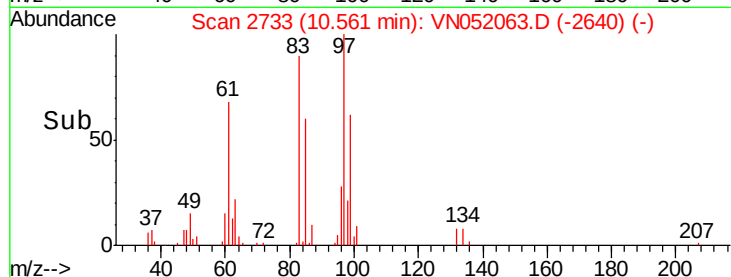
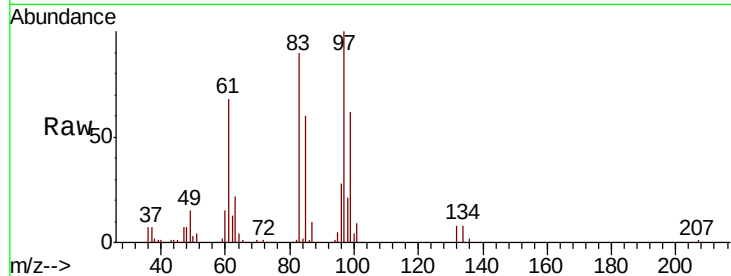
ClientSampleId :

VN1030WBS01

Tot Ion:	97	Resp:	60179
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.8	110.8
85	59.6	48.4	72.6
99	61.9	48.6	72.8

Manual Integrations
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11/1/2018 11:48:17 AM



#56

Ethyl methacrylate

Concen: 17.944 ug/l

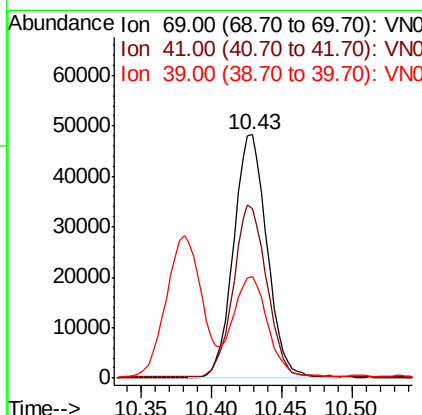
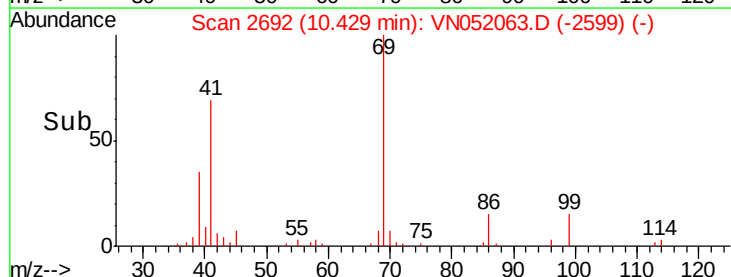
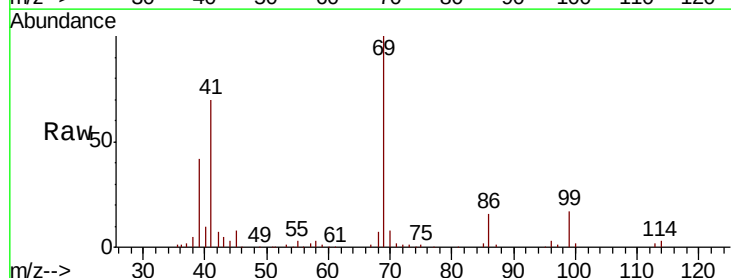
RT: 10.43 min Scan# 2692

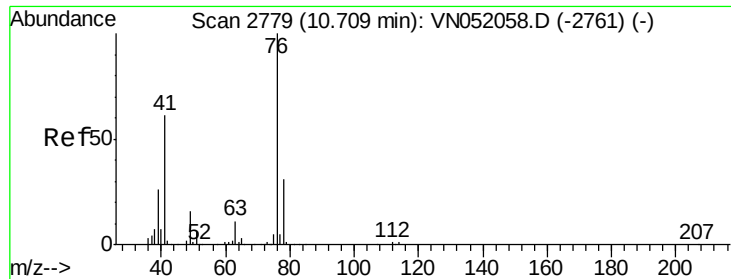
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	69	Resp:	80344
Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.5	83.3
39	42.3	33.0	49.4





#57

1,3-Dichloropropane

Concen: 18.667 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tot Ion: 76 Resp: 107517

Ion Ratio Lower Upper

76 100

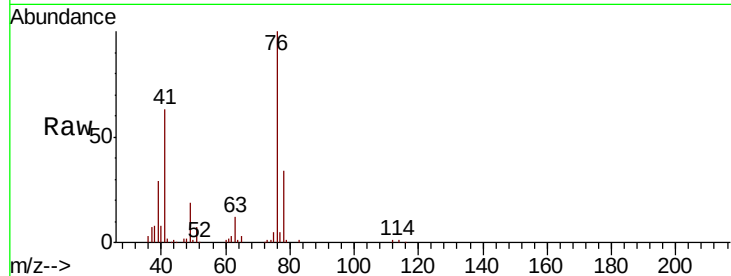
78 33.0 25.4 38.0

Manual Integrations

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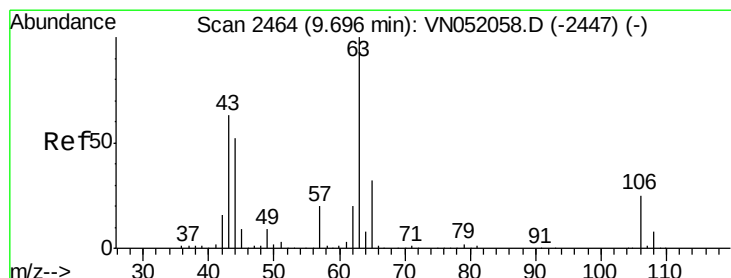
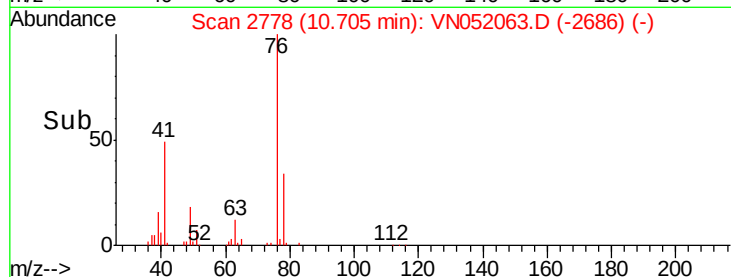
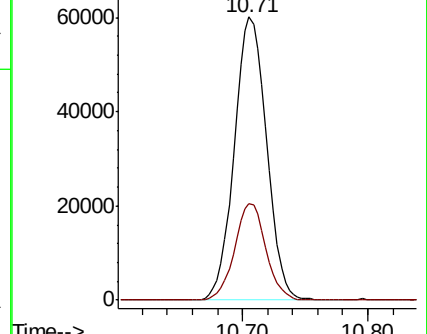
MMDadoda

11/1/2018 11:48:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.903 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052063.D

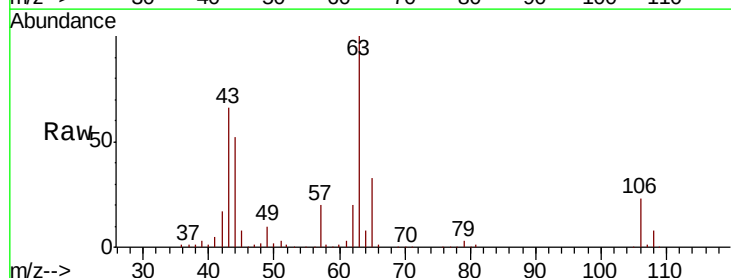
Acq: 30 Oct 2018 14:43

Tgt Ion: 63 Resp: 221268

Ion Ratio Lower Upper

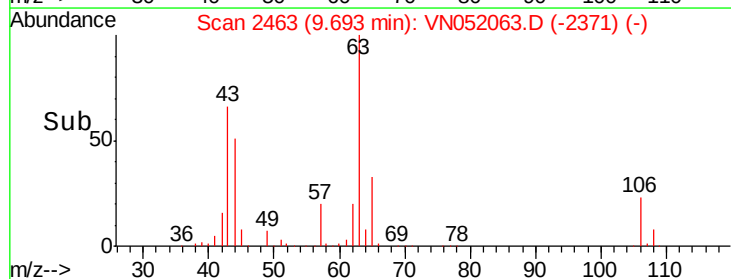
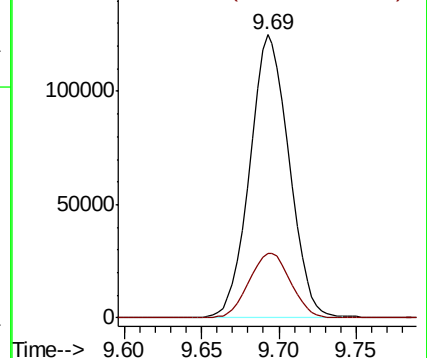
63 100

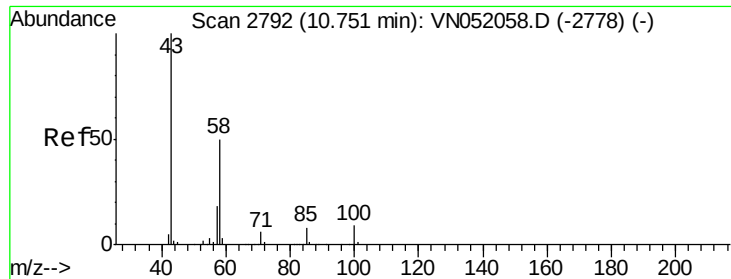
106 24.2 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





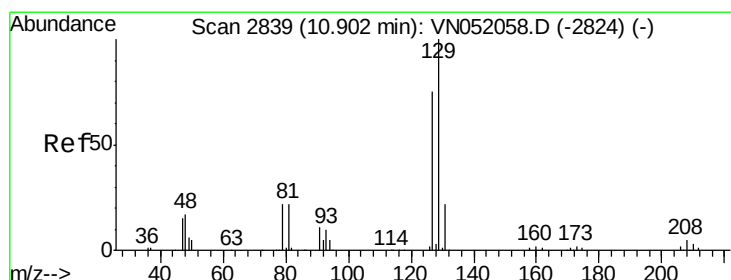
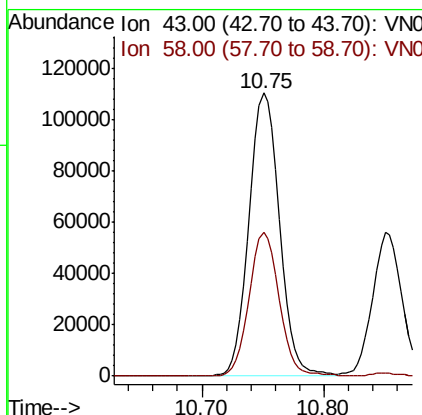
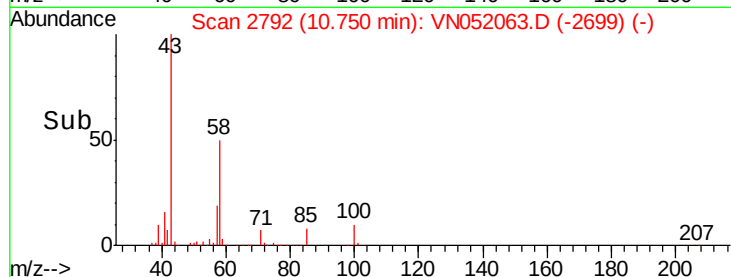
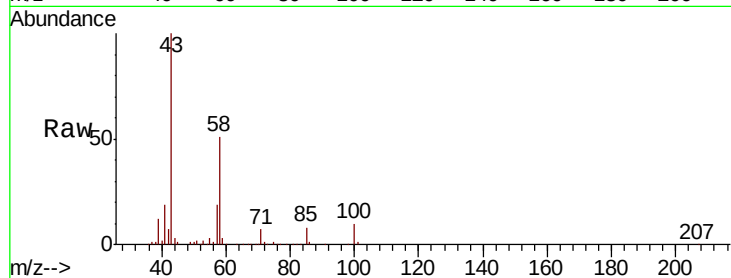
#59
2-Hexanone
Concen: 82.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion: 43 Resp: 190858
Ion Ratio Lower Upper
43 100
58 49.9 25.2 75.6

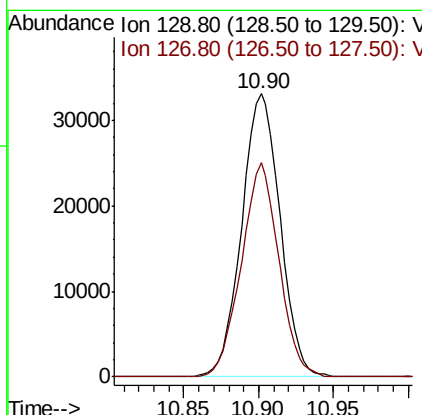
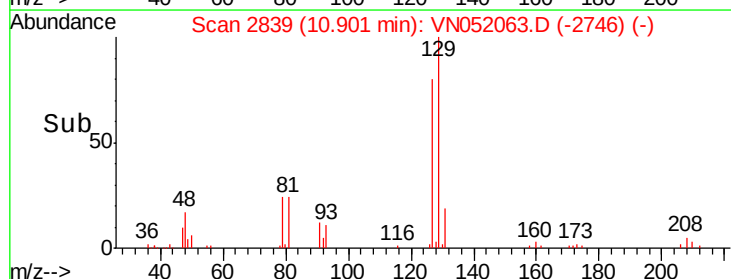
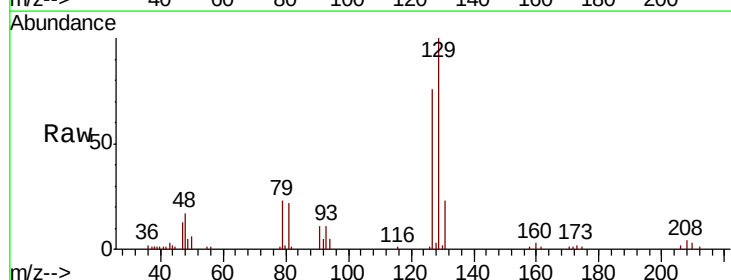
Manual Integrations
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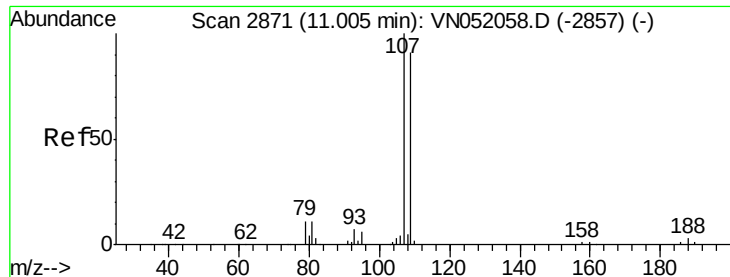
MMDadoda
11/1/2018 11:48:17 AM



#60
Dibromochloromethane
Concen: 19.205 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 129 Resp: 59182
Ion Ratio Lower Upper
129 100
127 73.6 38.5 115.5





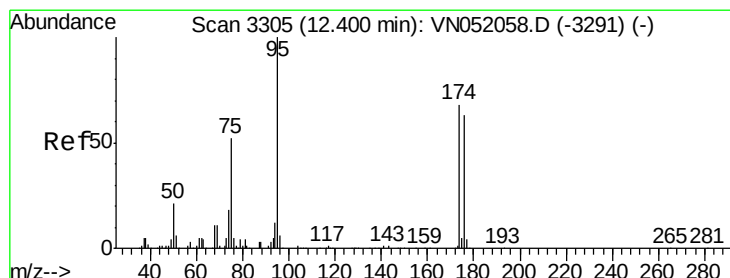
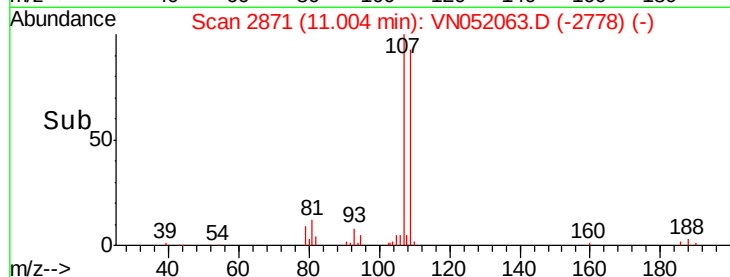
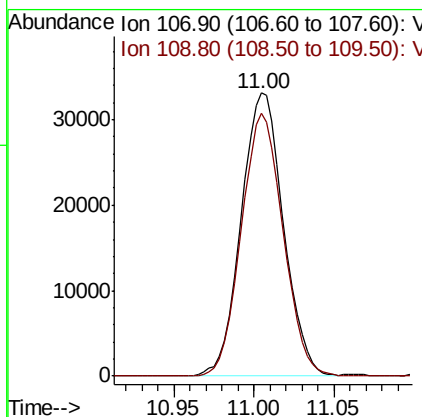
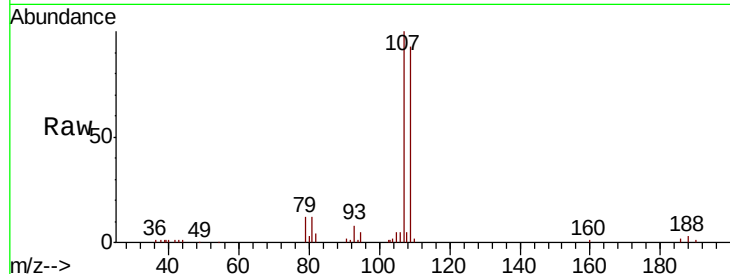
#61
 1,2-Dibromoethane
 Concen: 19.223 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.1	112.7

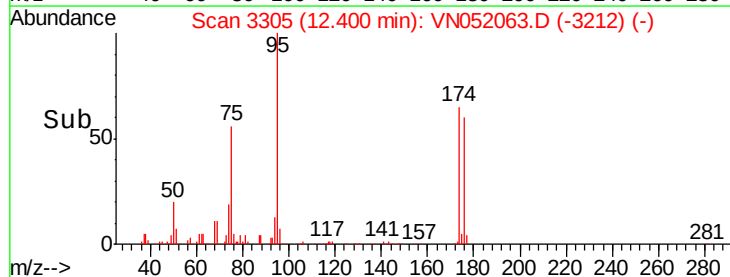
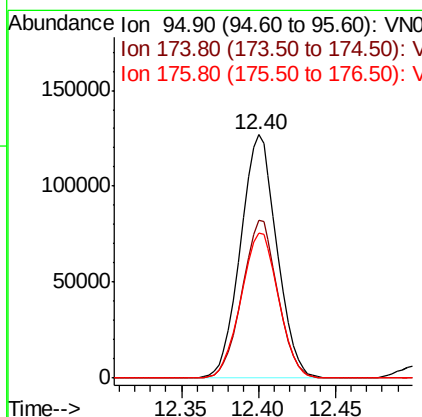
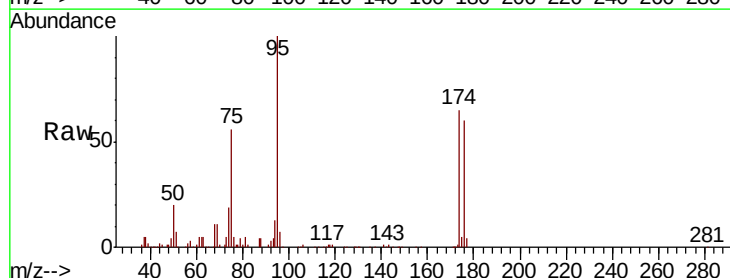
Manual Integrations
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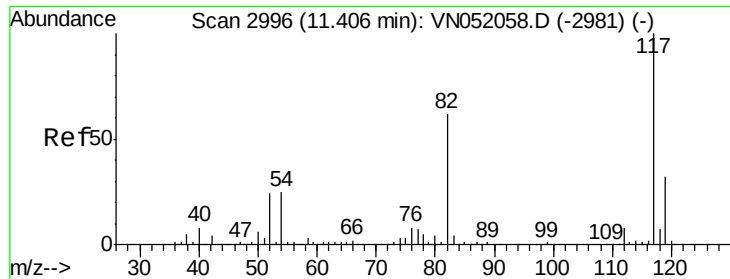
MMDadoda
 11/1/2018 11:48:17 AM



#62
 4-Bromofluorobenzene
 Concen: 19.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.5	0.0	131.8
176	61.3	0.0	126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

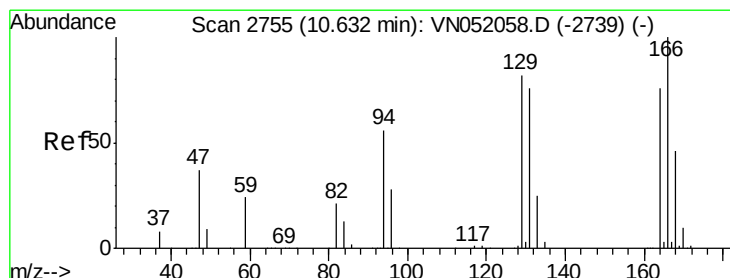
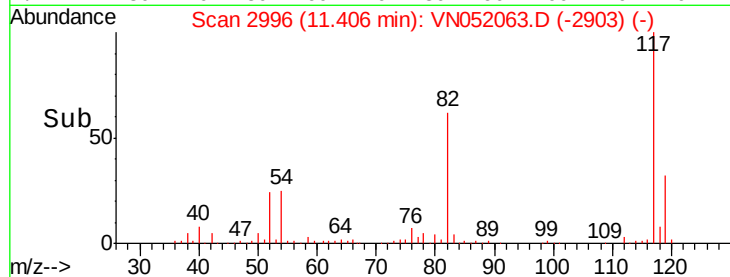
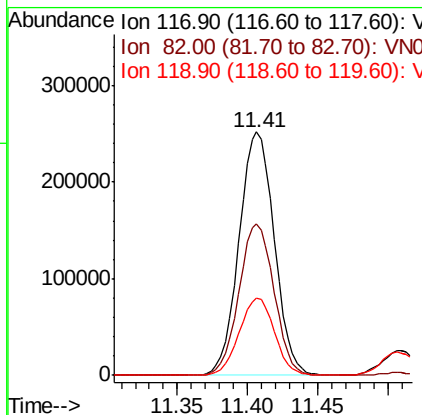
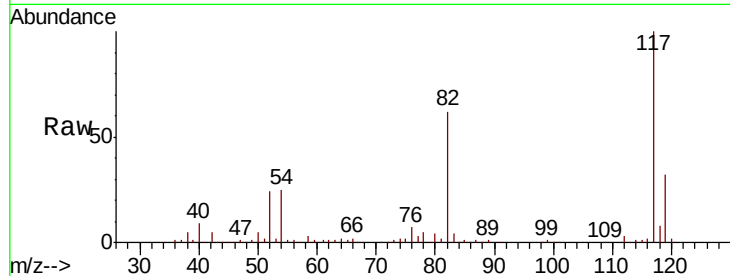
ClientSampleId :

VN1030WBS01

Tot Ion:	117	Resp:	441341
Ion Ratio	Lower	Upper	
117	100		
82	62.0	49.9	74.9
119	31.6	25.7	38.5

Manual Integrations
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11/1/2018 11:48:17 AM



#64

Tetrachloroethene

Concen: 20.179 ug/l

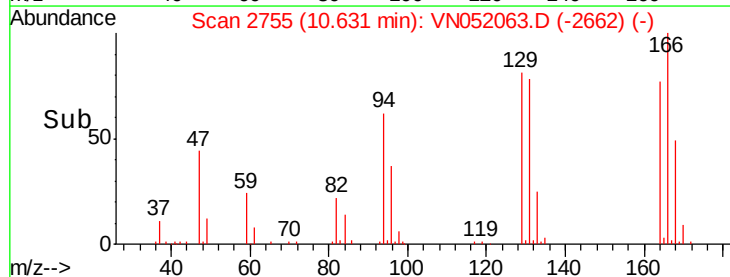
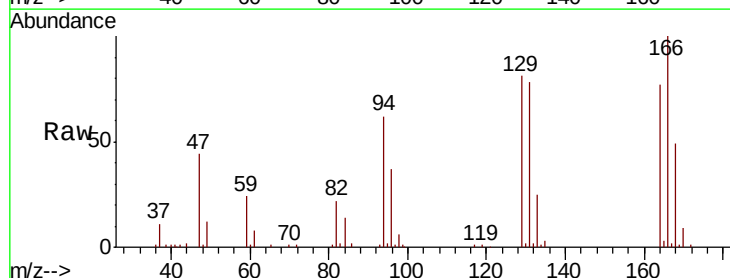
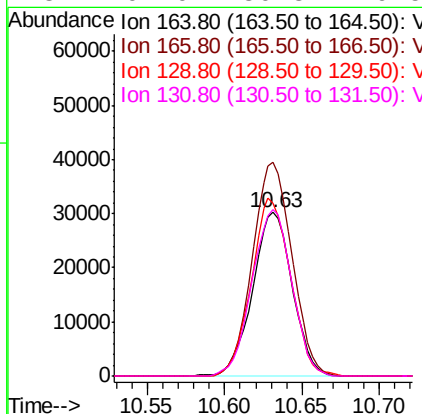
RT: 10.63 min Scan# 2755

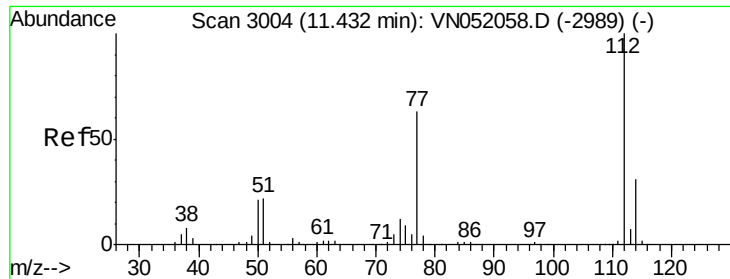
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	164	Resp:	53953
Ion Ratio	Lower	Upper	
164	100		
166	130.6	105.4	158.0
129	105.9	86.1	129.1
131	102.0	80.3	120.5





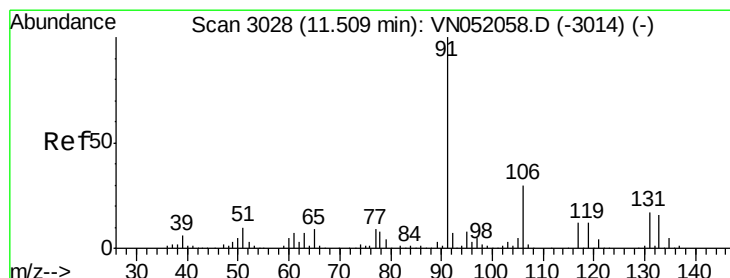
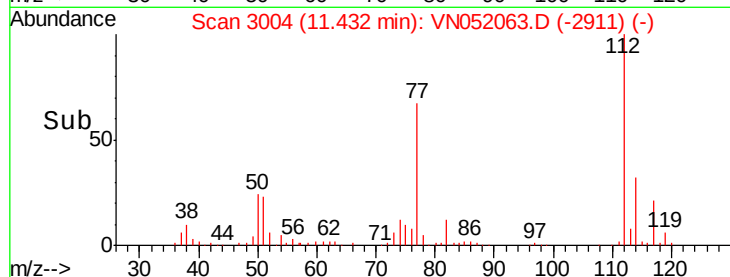
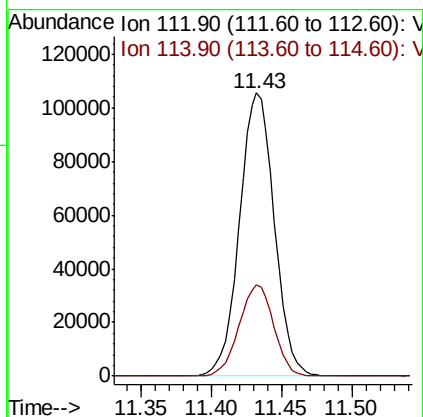
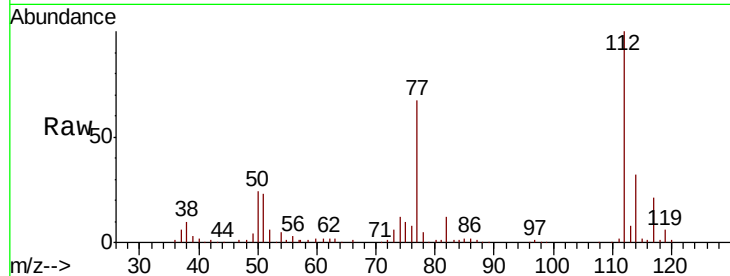
#65
Chlorobenzene
Concen: 19.605 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion:112 Resp: 182244
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

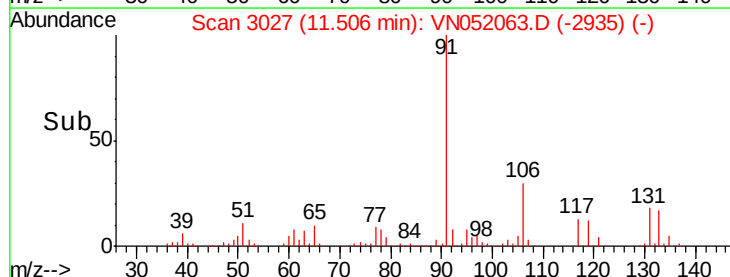
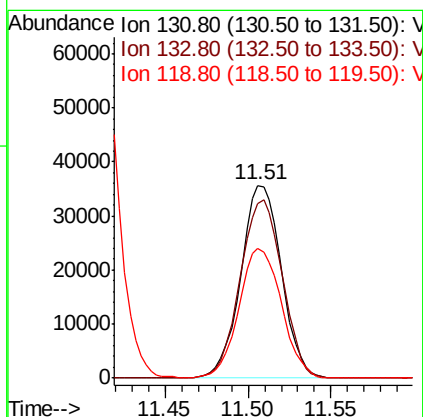
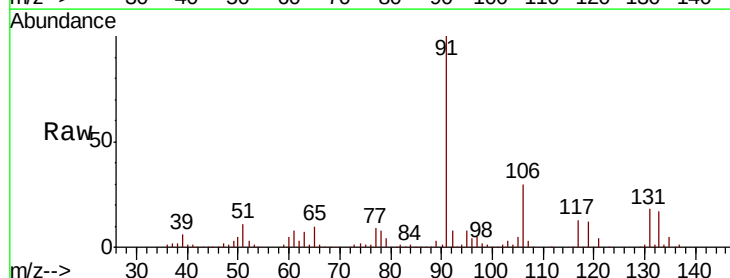
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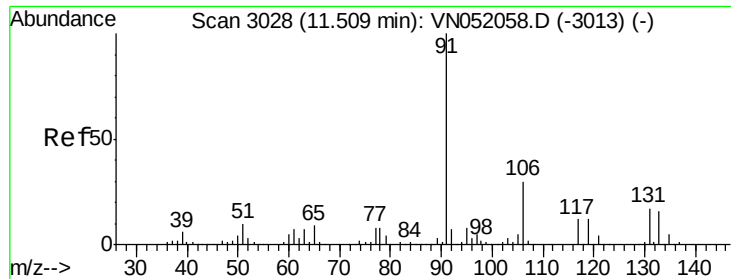
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.824 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion:131 Resp: 60781
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 70.3 34.4 103.2





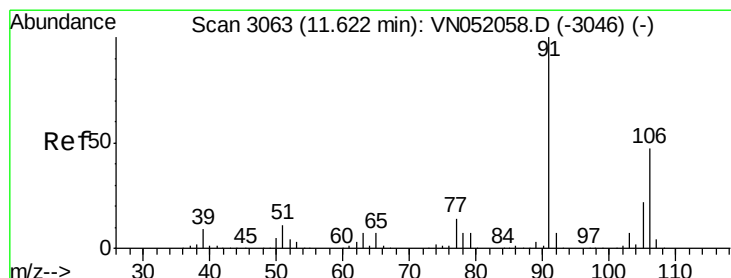
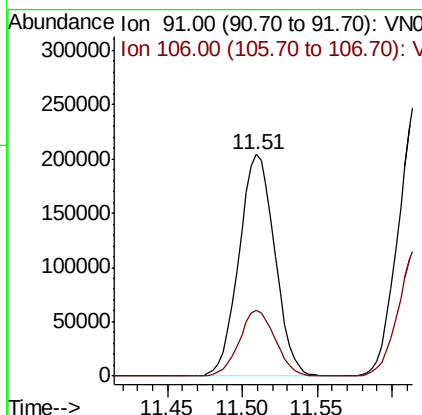
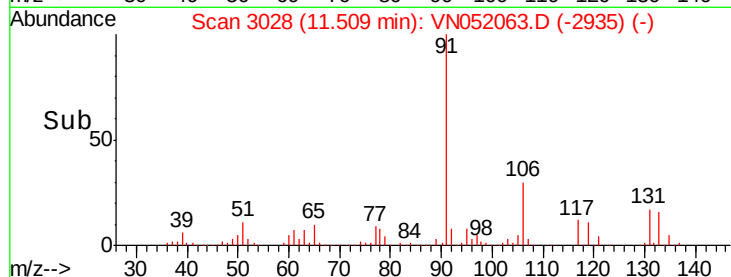
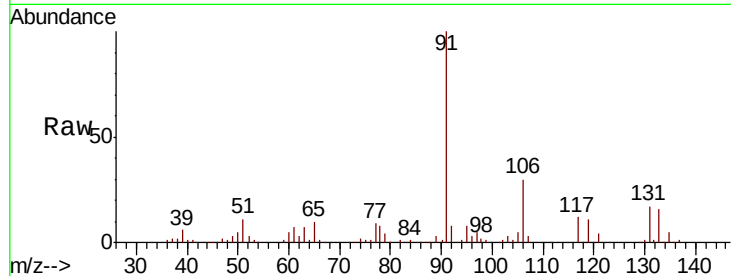
#67
Ethyl Benzene
Concen: 20.502 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion: 91 Resp: 339852
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1

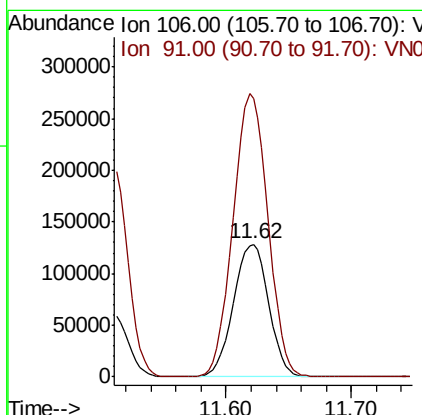
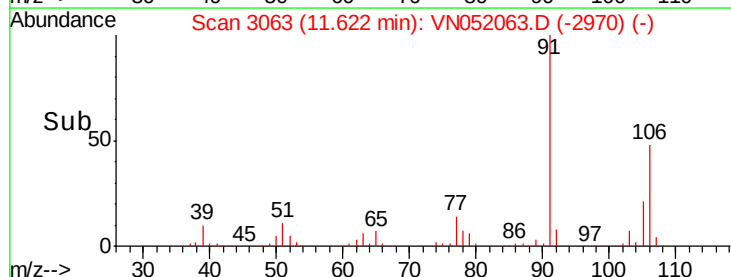
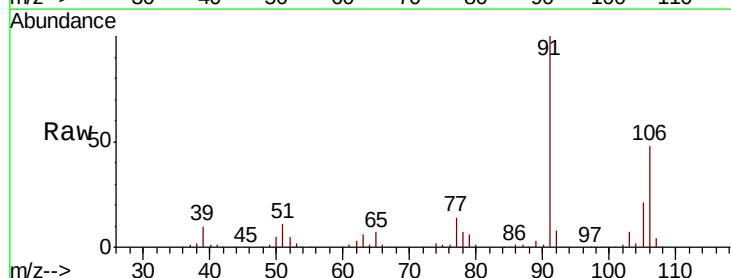
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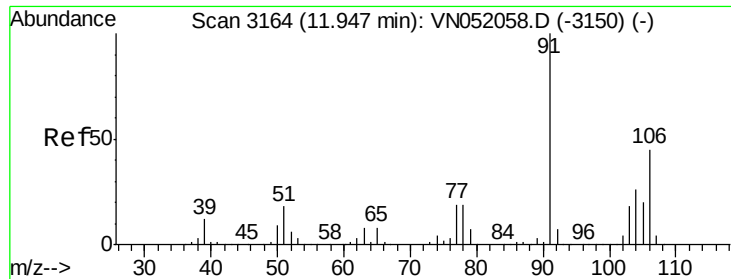
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#68
m/p-Xylenes
Concen: 42.150 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion: 106 Resp: 250090
Ion Ratio Lower Upper
106 100
91 211.9 168.7 253.1





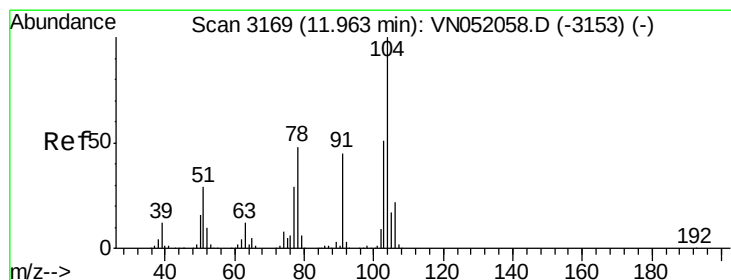
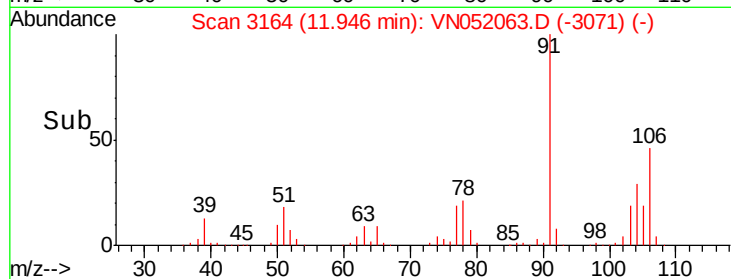
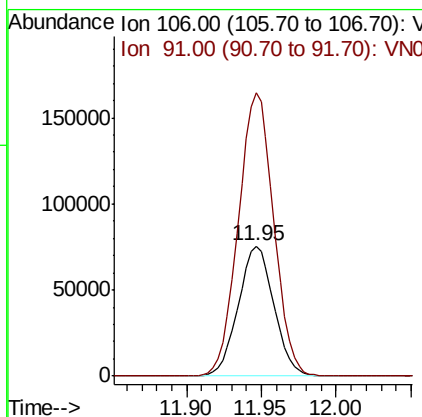
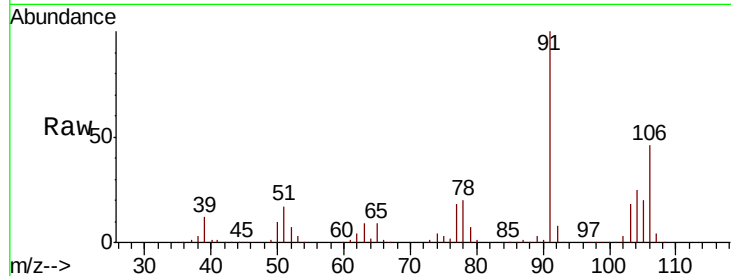
#69
o-Xylene
Concen: 21.354 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampled :
VN1030WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.7	109.6	328.6	

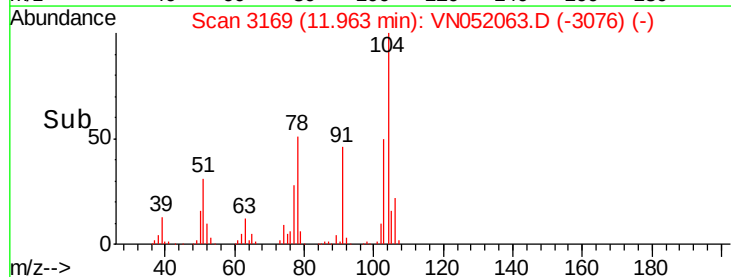
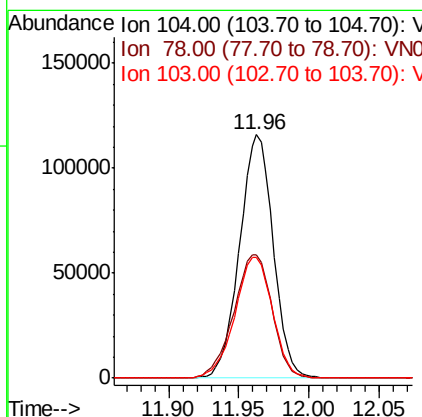
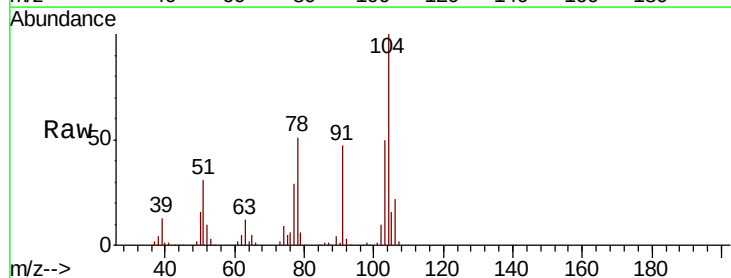
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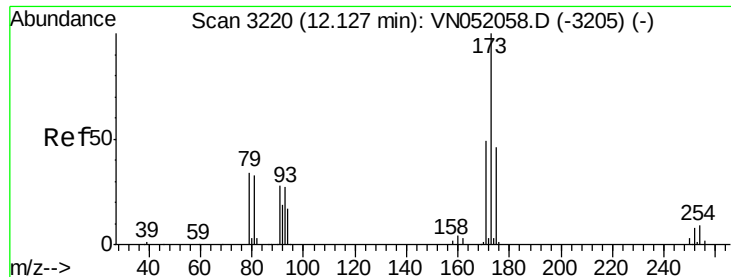
MMDadoda
11/1/2018 11:48:17 AM



#70
Styrene
Concen: 20.431 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	57.4	43.0	64.6	
103	55.3	45.1	67.7	





#71

Bromoform

Concen: 17.969 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tot Ion:173 Resp: 30968

Ion Ratio Lower Upper

173 100

175 46.1 23.9 71.7

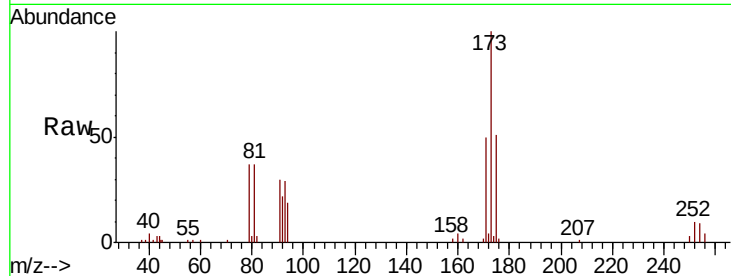
254 0.0 0.0 0.0

Manual Integrations

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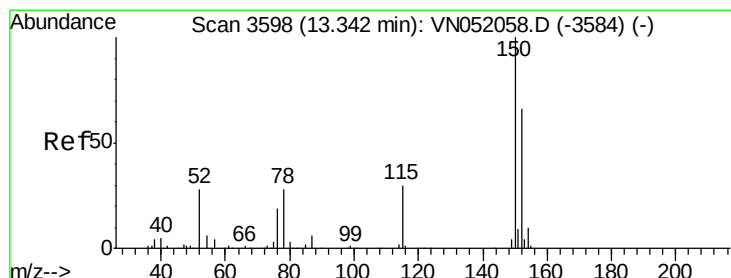
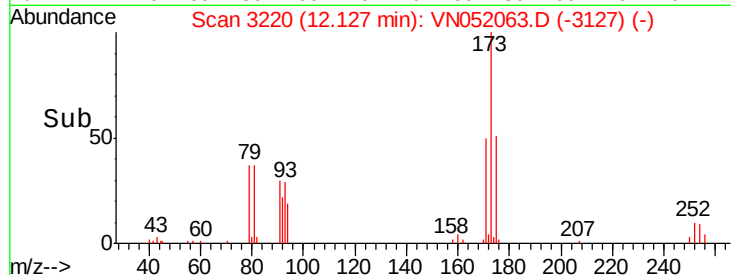
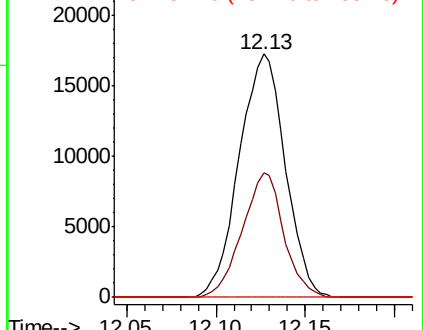
11/1/2018 11:48:17 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

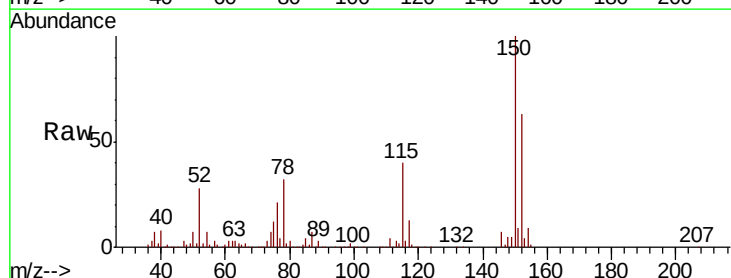
Tgt Ion:152 Resp: 180531

Ion Ratio Lower Upper

152 100

115 64.0 31.6 95.0

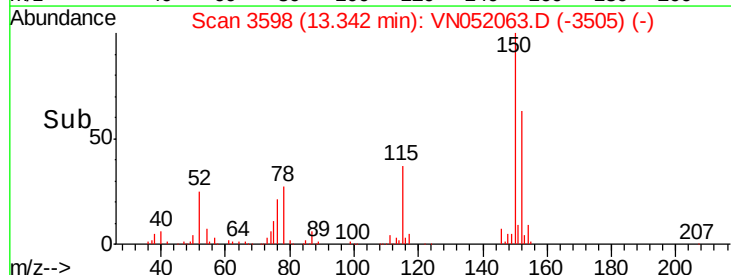
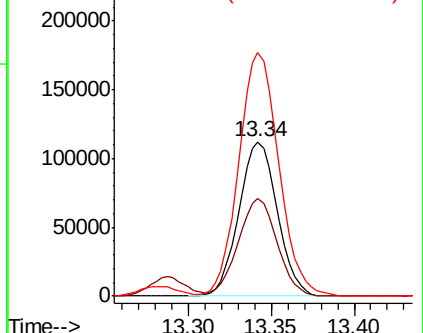
150 164.5 0.0 345.0

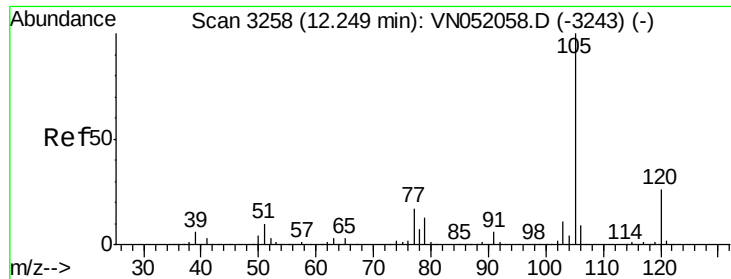


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tot Ion: 105 Resp: 319987

Ion Ratio Lower Upper

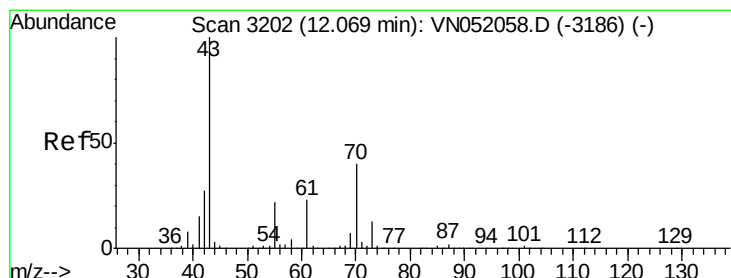
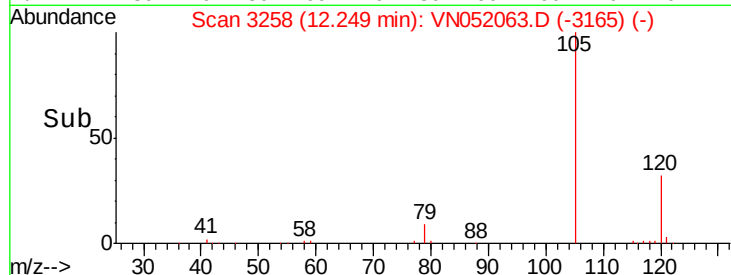
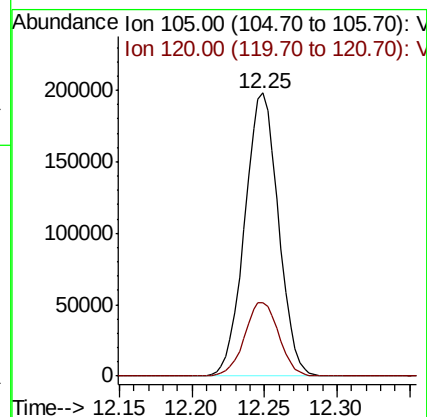
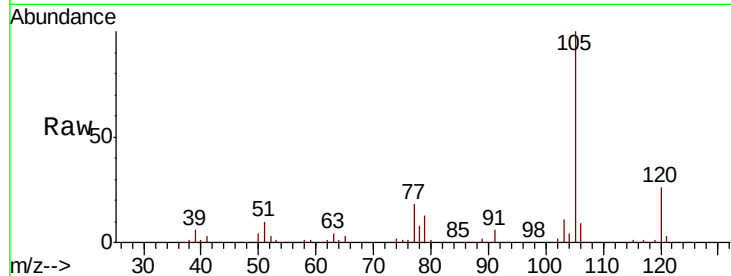
105 100

120 26.6 12.8 38.4

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#74

N-ethyl acetate

Concen: 18.412 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion: 43 Resp: 99198

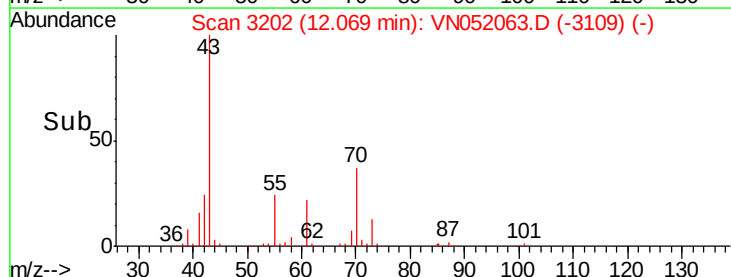
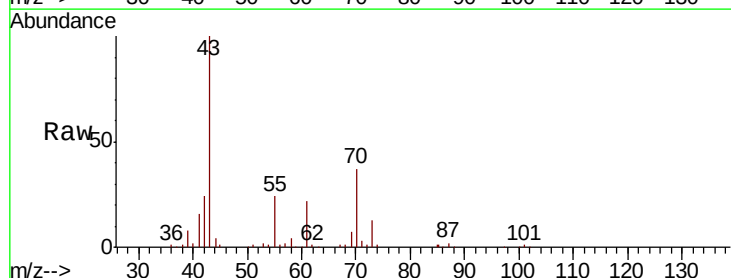
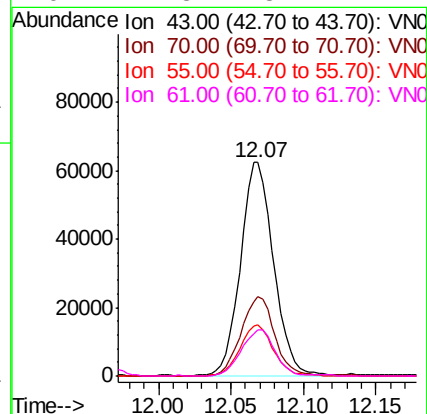
Ion Ratio Lower Upper

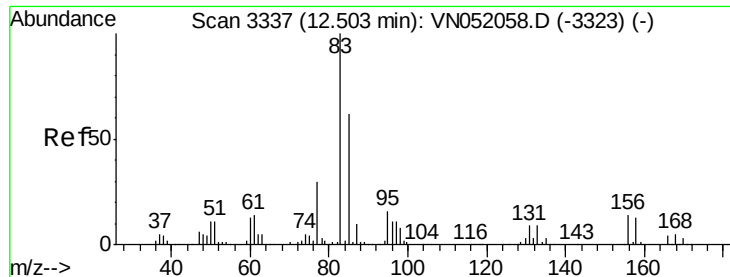
43 100

70 37.5 31.9 47.9

55 23.9 18.4 27.6

61 22.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

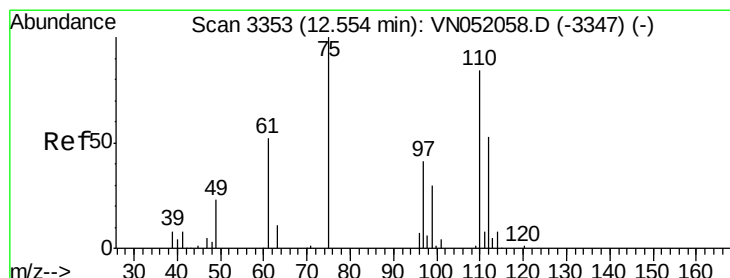
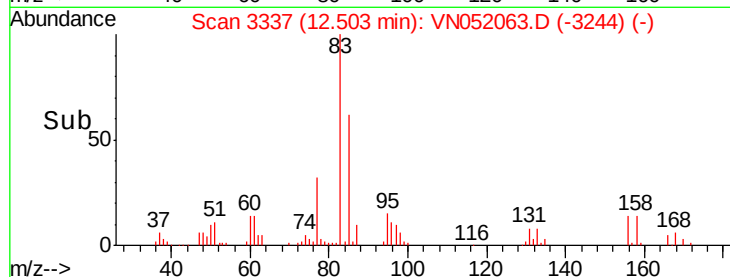
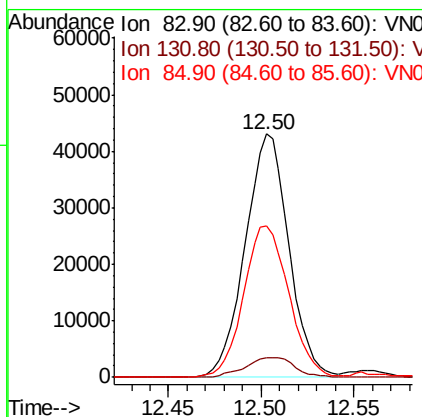
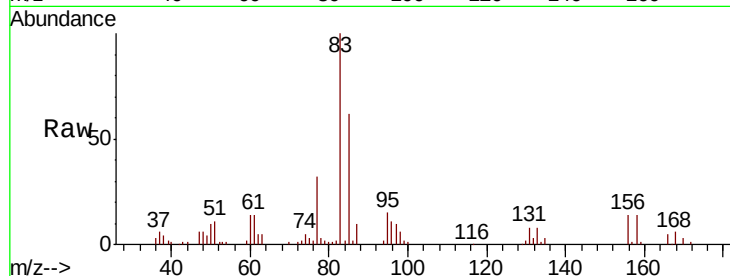
ClientSampleId :

VN1030WBS01

Tot Ion:	83	Resp:	70263
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	64.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.786 ug/l m

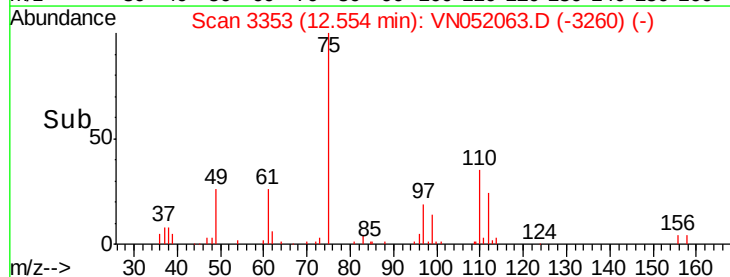
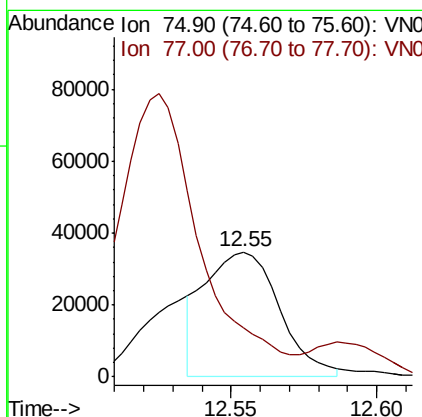
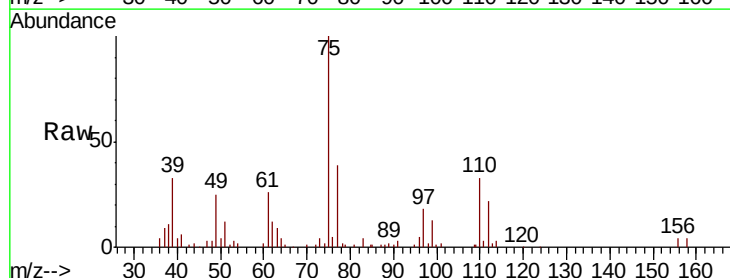
RT: 12.55 min Scan# 3353

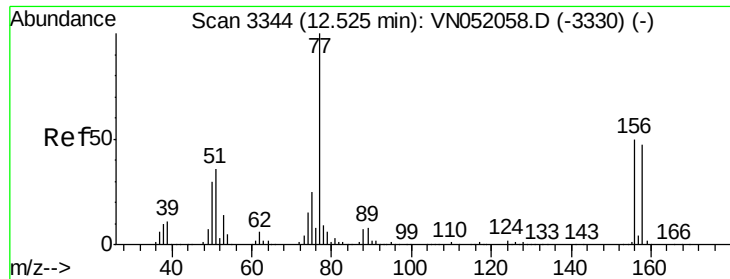
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	75	Resp:	62081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.888 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

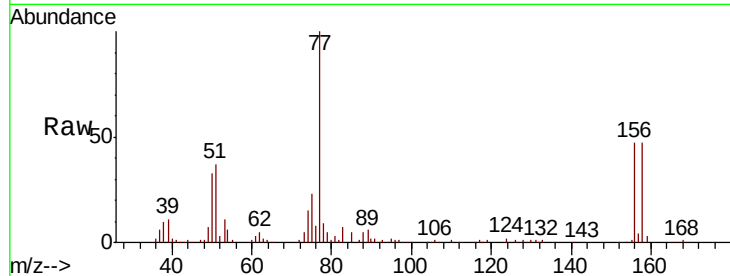
ClientSampleId :

VN1030WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	238.3	119.6	358.6	
158	97.7	47.8	143.4	

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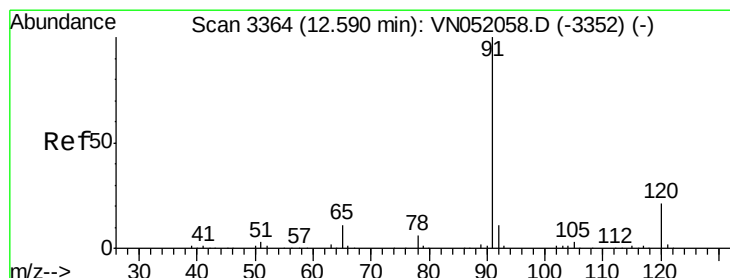
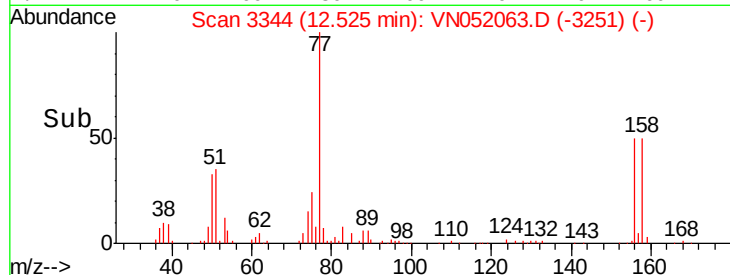
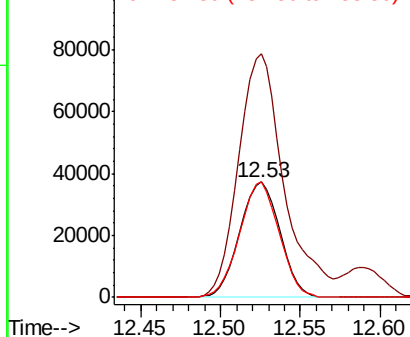


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.779 ug/l

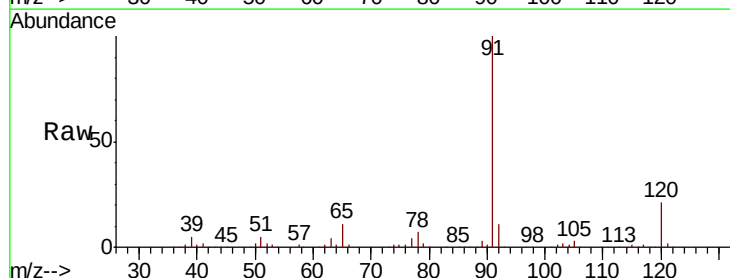
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

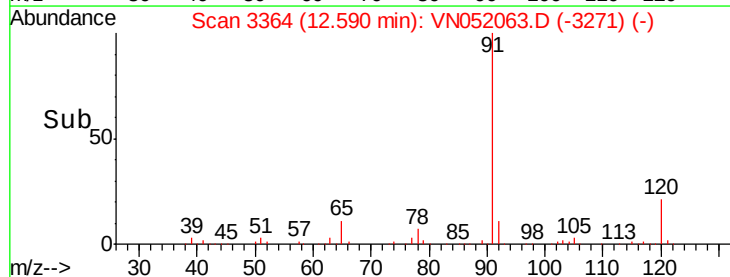
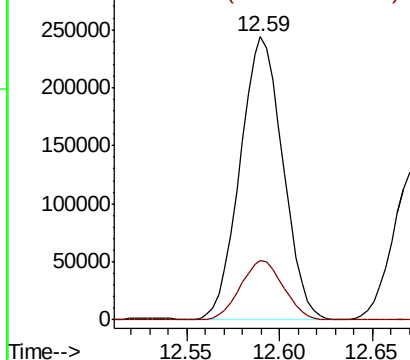
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	10.8	32.4	

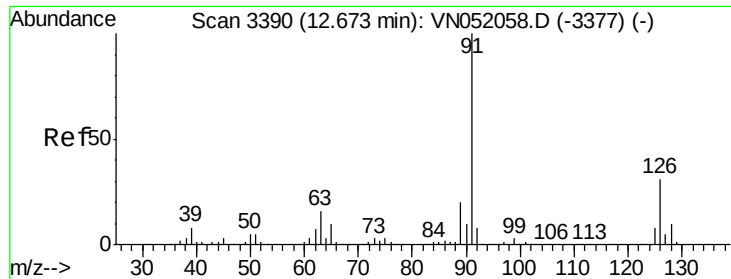


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampled :

VN1030WBS01

Tot Ion: 91 Resp: 223647

Ion Ratio Lower Upper

91 100

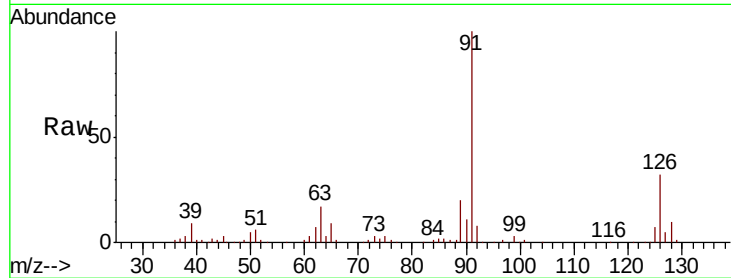
126 32.0 15.9 47.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)

250000

200000

150000

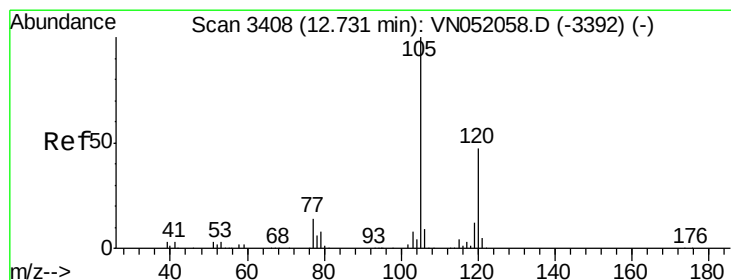
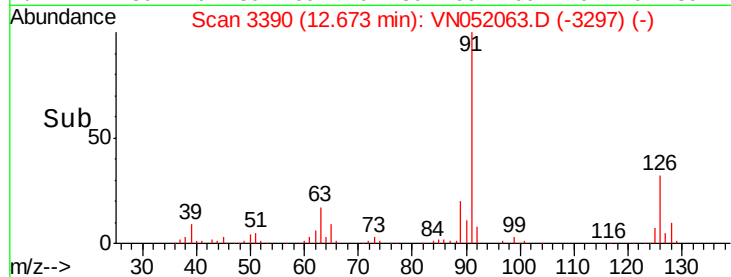
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.797 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052063.D

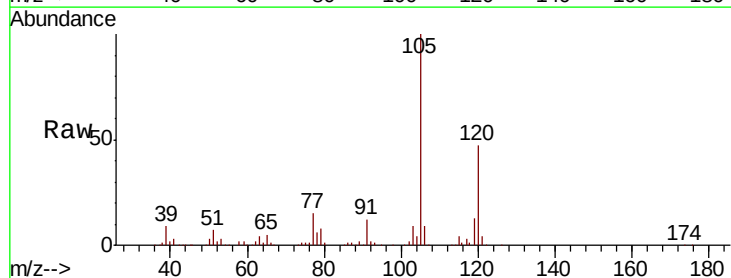
Acq: 30 Oct 2018 14:43

Tgt Ion: 105 Resp: 261264

Ion Ratio Lower Upper

105 100

120 46.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052058.D (-3392) (-)

150000

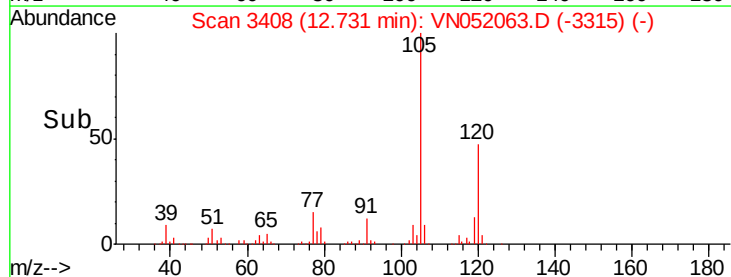
100000

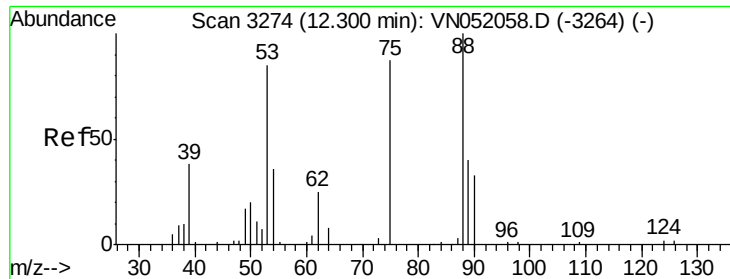
50000

0

12.65 12.70 12.75 12.80

Time-->





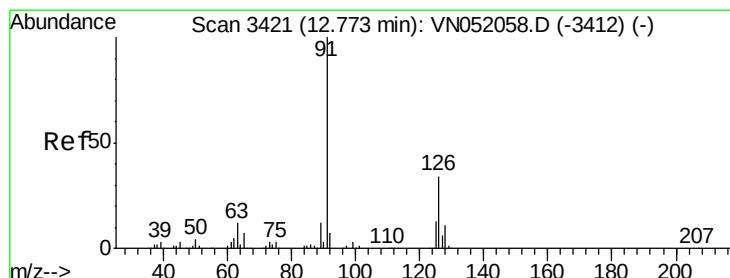
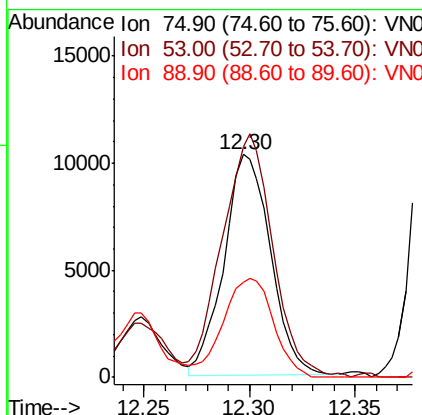
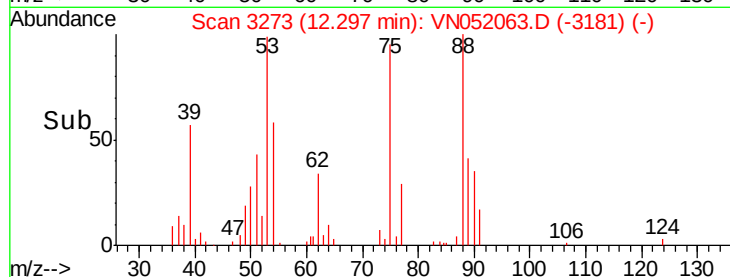
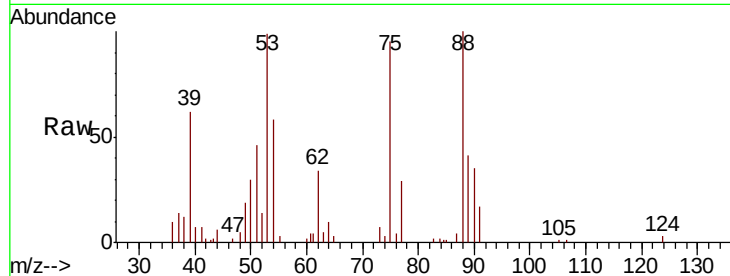
#81
trans-1,4-Dichloro-2-butene
Concen: 15.894 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.5	81.8	122.6
89	48.6	36.6	54.8

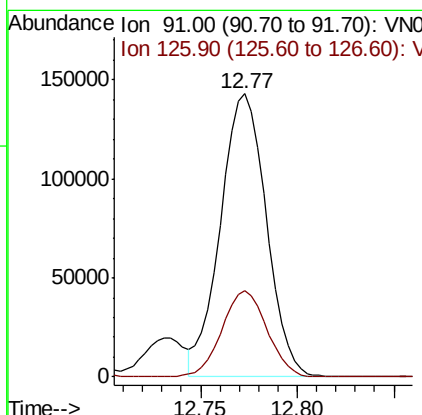
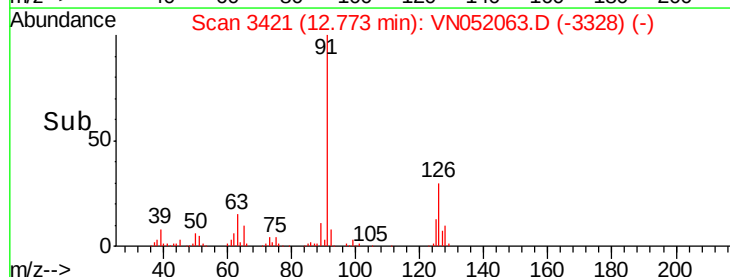
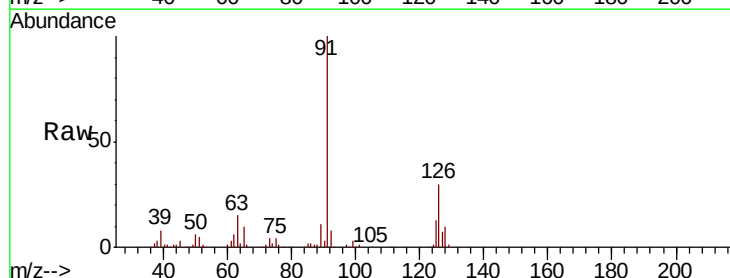
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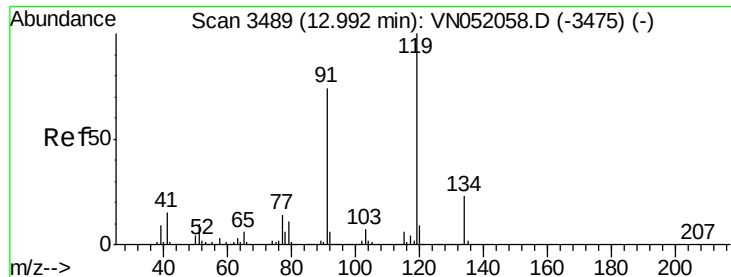
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#82
4-Chlorotoluene
Concen: 21.206 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.7	47.1





#83

tert-Butylbenzene

Concen: 20.441 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

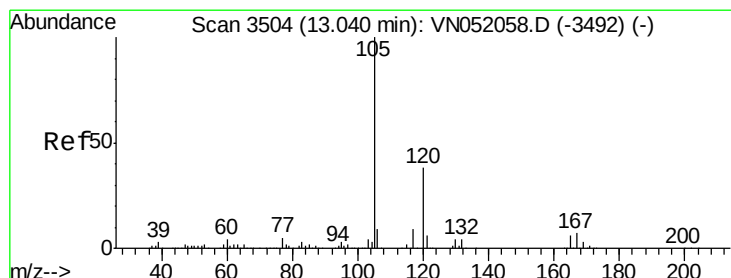
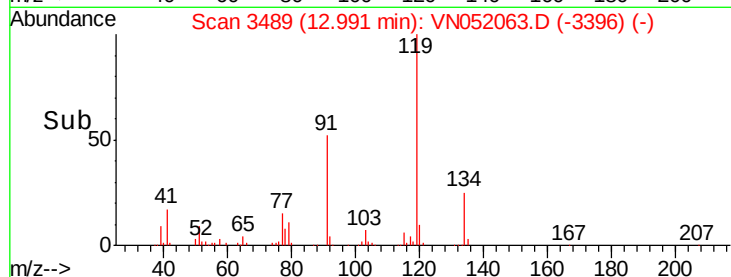
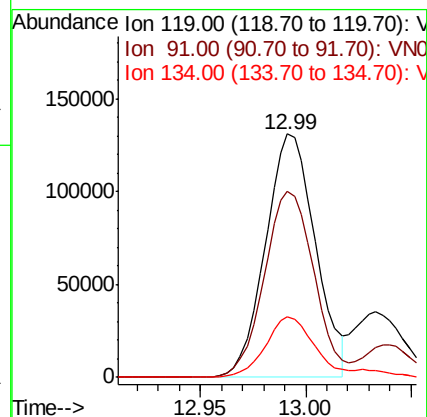
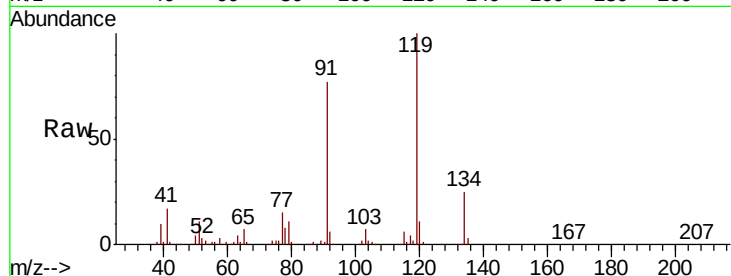
ClientSampled :

VN1030WBS01

Tot Ion:	119	Resp:	215716
Ion Ratio	Lower	Upper	
119	100		
91	76.4	36.6	109.9
134	24.2	12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 21.524 ug/l

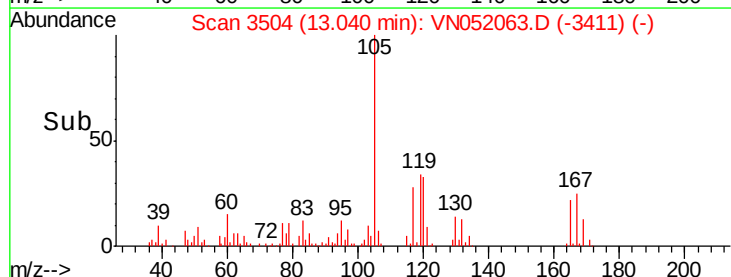
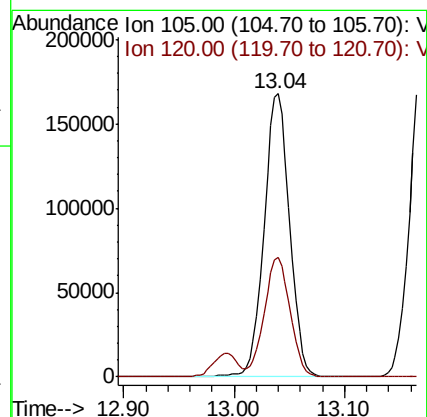
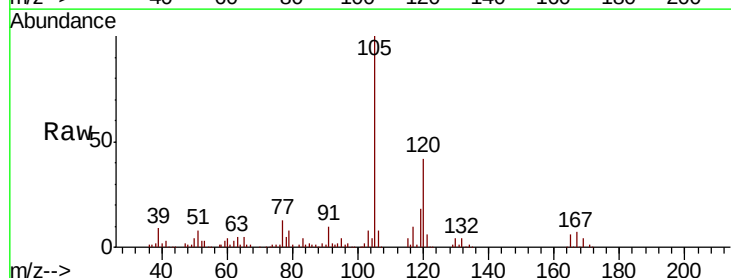
RT: 13.04 min Scan# 3504

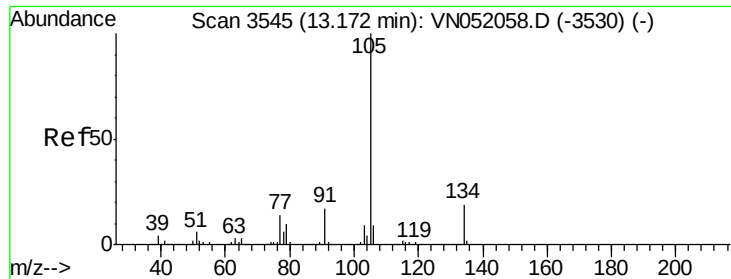
Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	105	Resp:	269147
Ion Ratio	Lower	Upper	
105	100		
120	42.5	21.9	65.5





#85

sec-Butylbenzene

Concen: 21.200 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBS01

Tot Ion:105 Resp: 319599

Ion Ratio Lower Upper

105 100

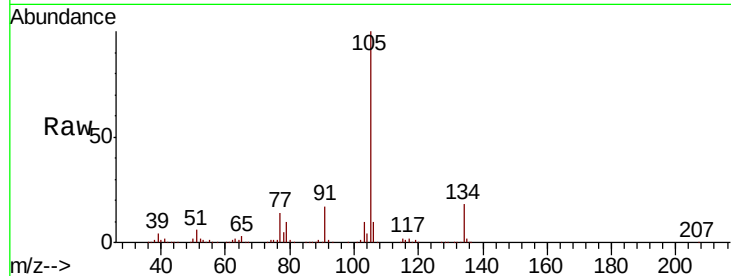
134 17.8 9.1 27.3

Manual Integrations

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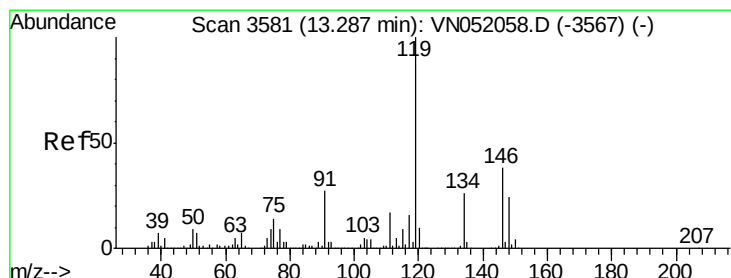
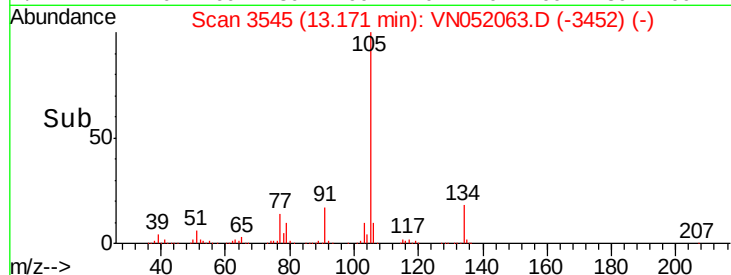
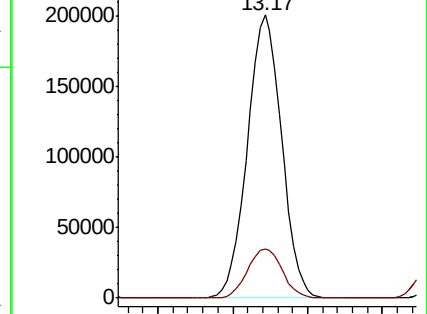
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.699 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

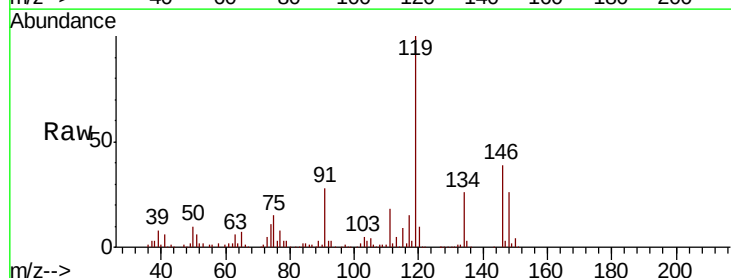
Tgt Ion:119 Resp: 254139

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

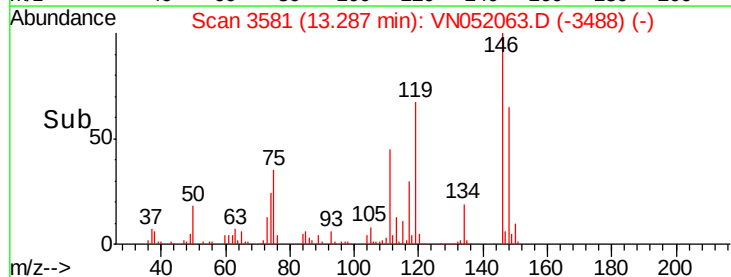
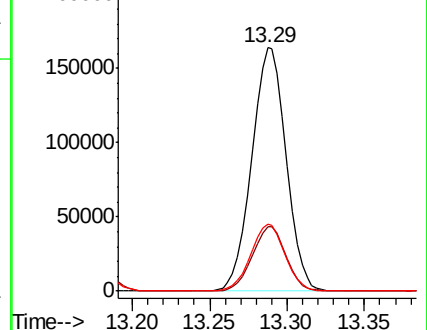
91 27.4 13.4 40.2

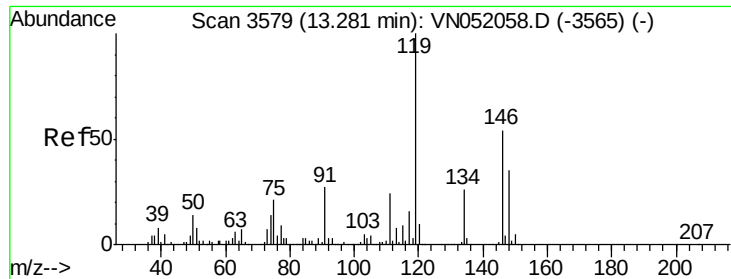


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





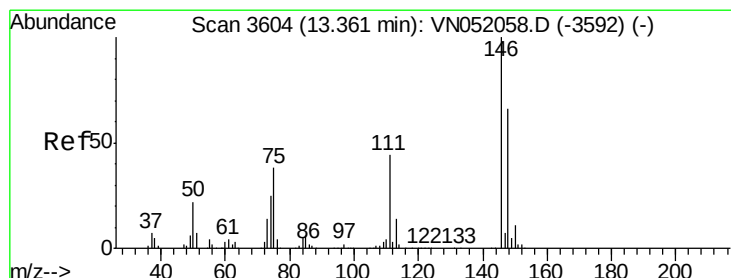
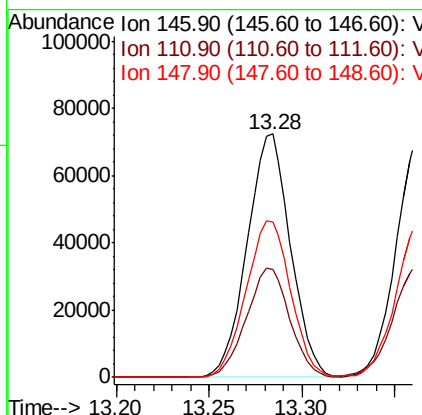
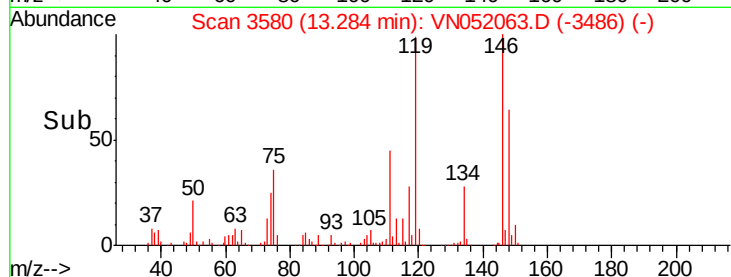
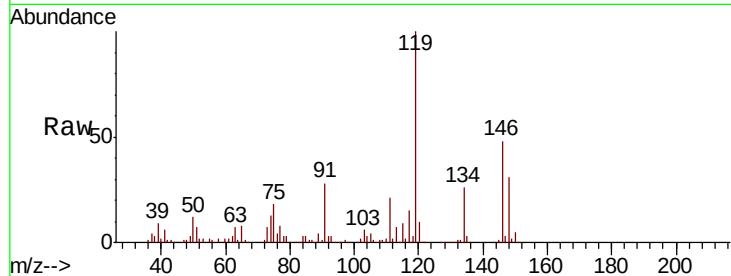
#87
 1,3-Dichlorobenzene
 Concen: 19.981 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.9	68.8
148	66.3	31.8	95.4

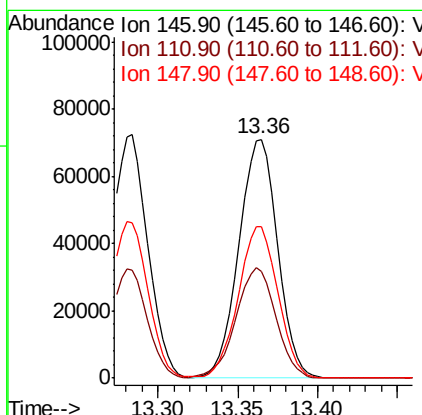
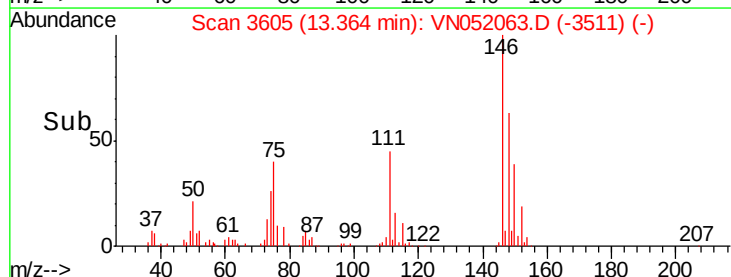
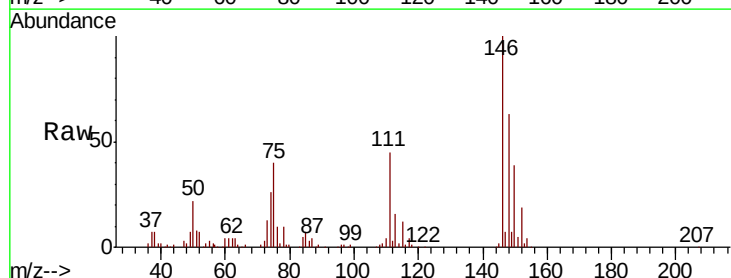
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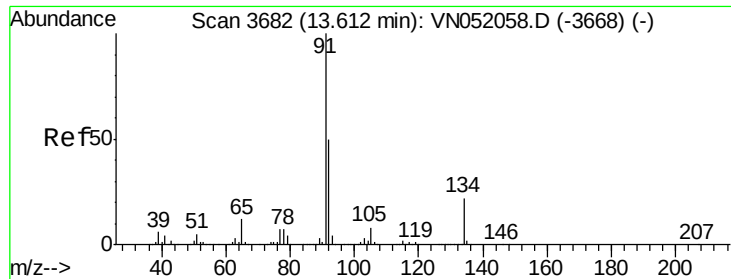
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#88
 1,4-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	21.9	65.8
148	64.9	32.6	98.0





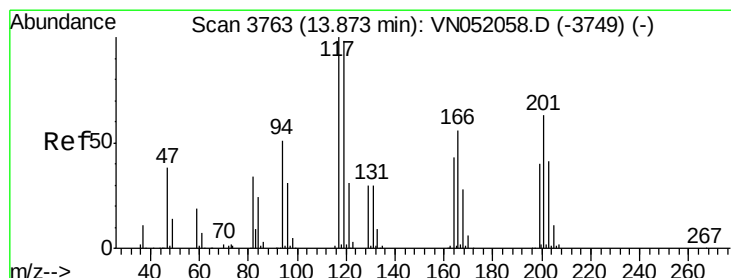
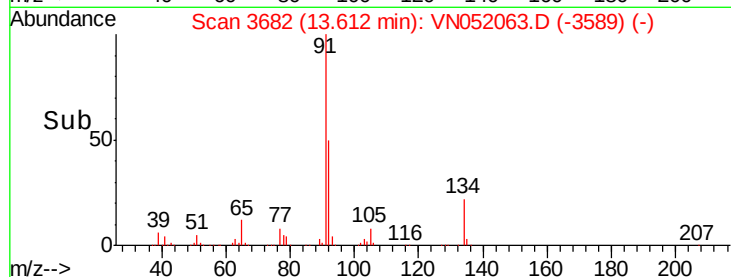
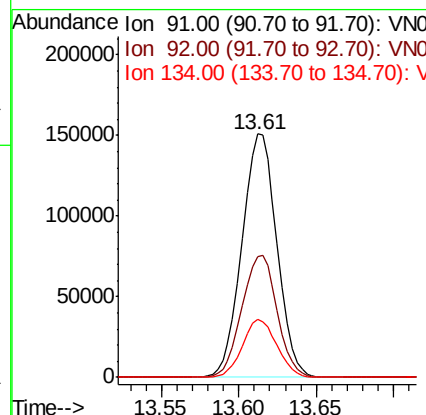
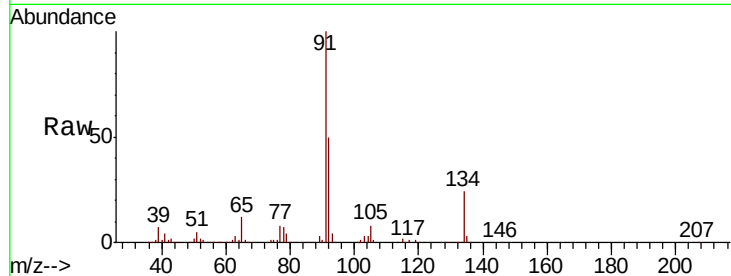
#89
n-Butylbenzene
Concen: 20.199 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.3	75.8
134	23.3	11.2	33.5

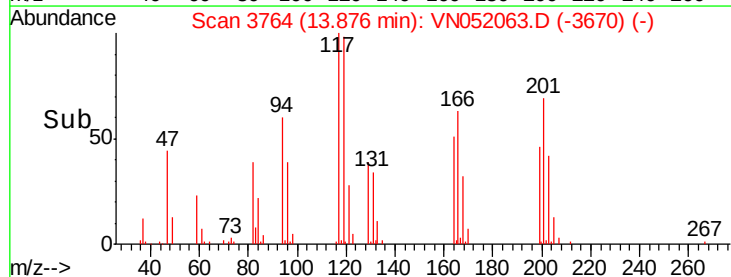
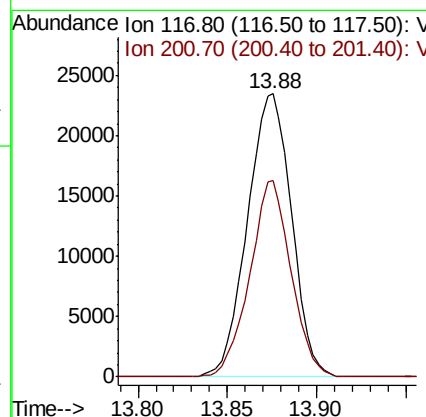
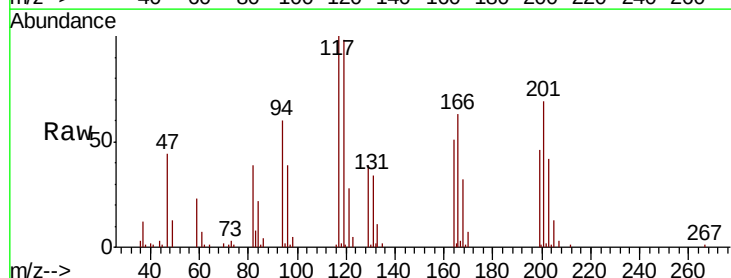
Manual Integrations
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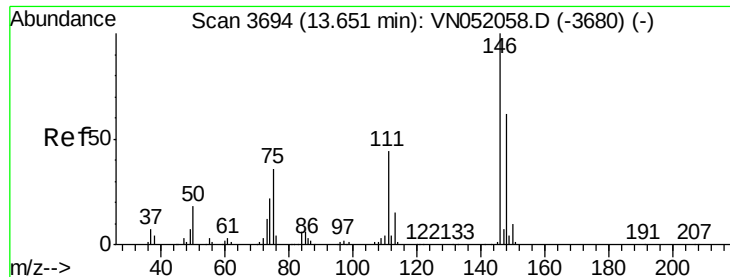
MMDadoda
11/1/2018 11:48:17 AM



#90
Hexachloroethane
Concen: 19.294 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052063.D
Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	31.1	93.5





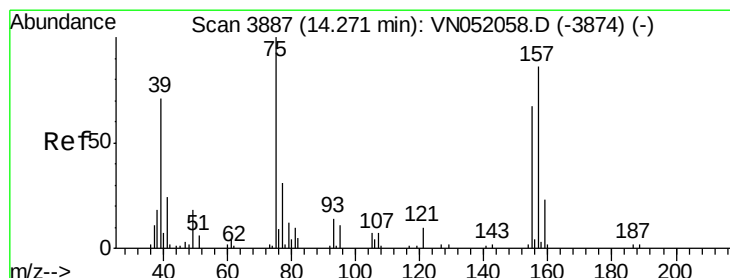
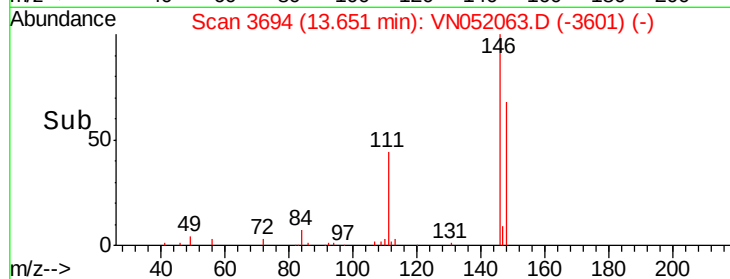
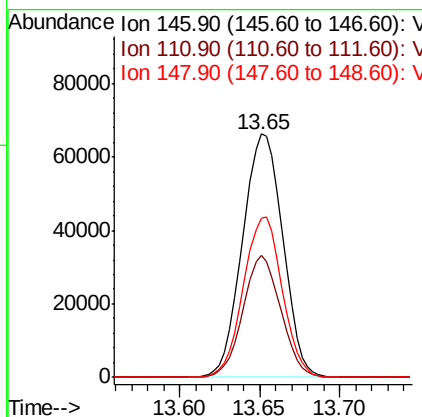
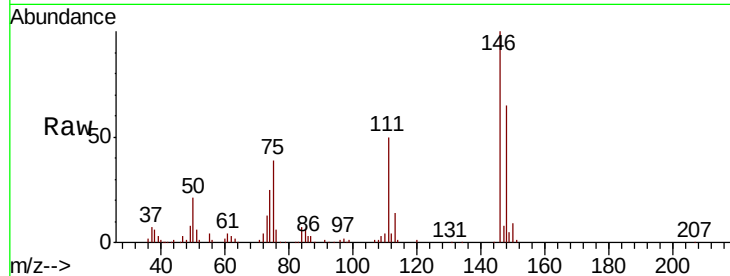
#91
 1,2-Dichlorobenzene
 Concen: 20.586 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	22.5	67.5
148	63.4	30.9	92.8

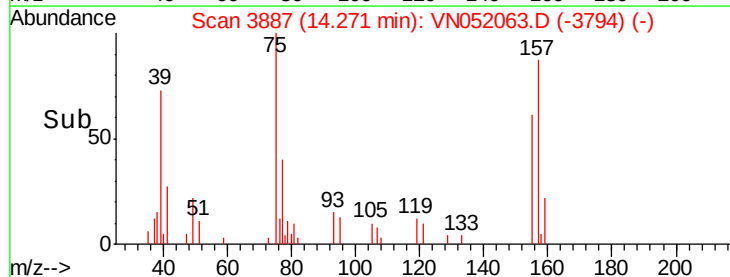
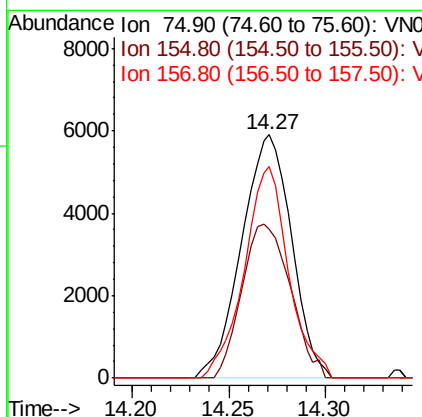
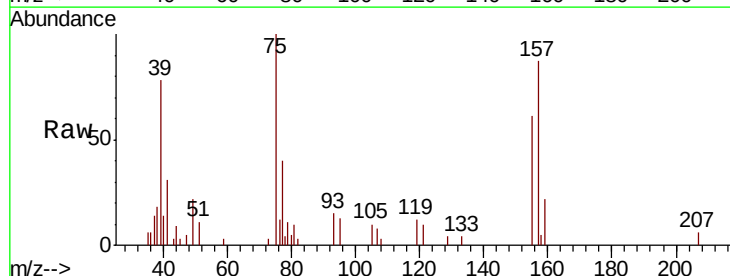
Manual Integrations
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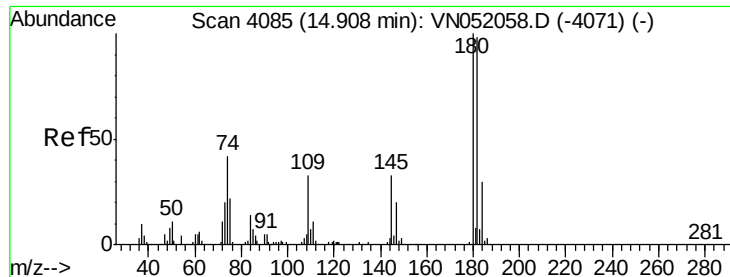
MMDadoda
 11/1/2018 11:48:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.408 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.3	34.0	102.0
157	77.5	42.1	126.4





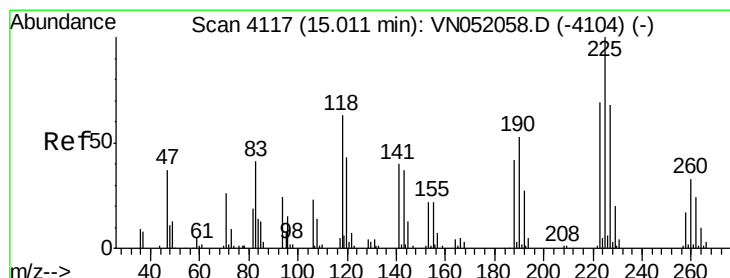
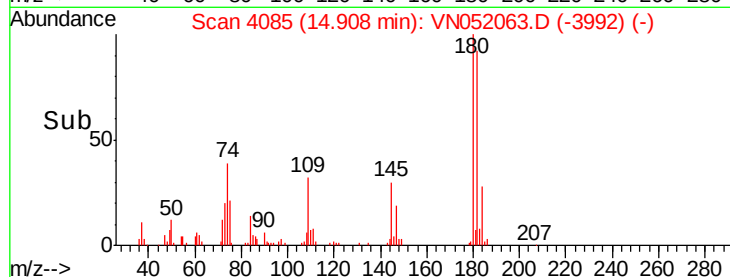
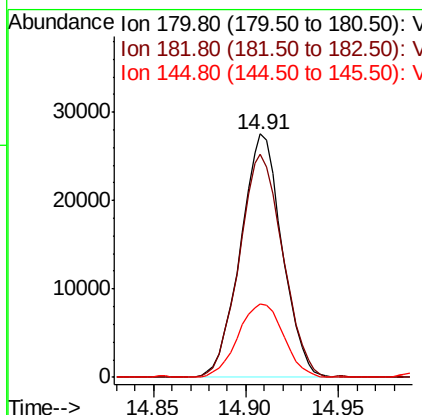
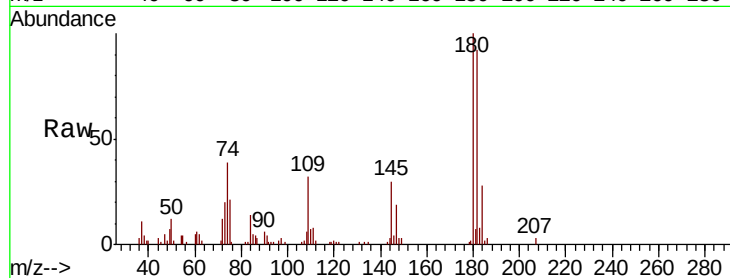
#93
 1,2,4-Trichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.1	147.4
145	33.0	16.4	49.2

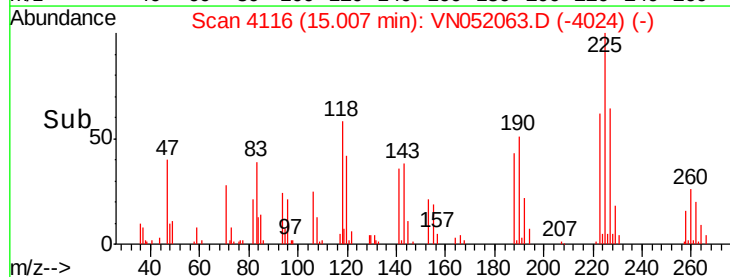
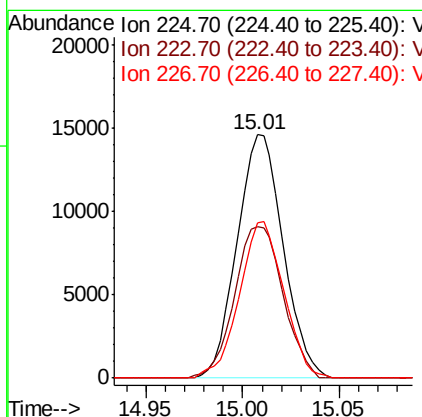
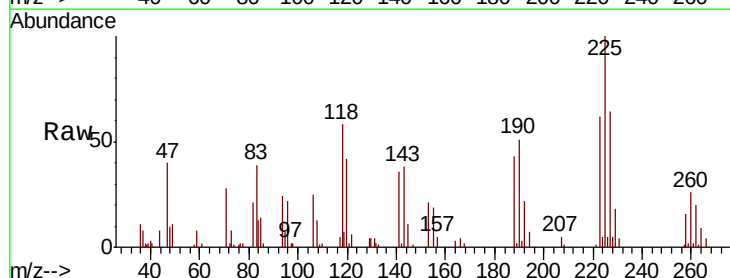
Manual Integrations
 APPROVED

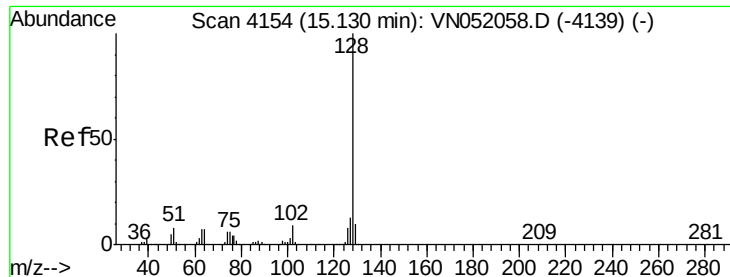
MMDadoda
 11/1/2018 11:48:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.010 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052063.D
 Acq: 30 Oct 2018 14:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	33.1	99.3
227	61.8	32.6	97.8





#95

Naphthalene

Concen: 19.287 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Instrument :

MSVOA_N

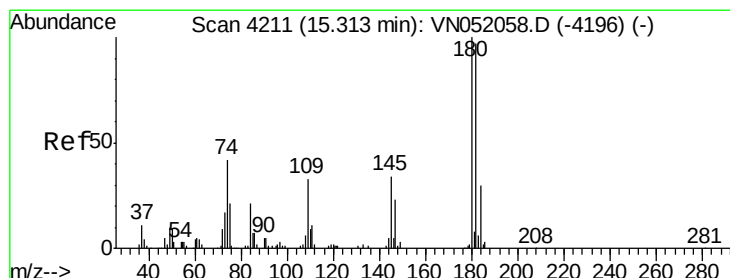
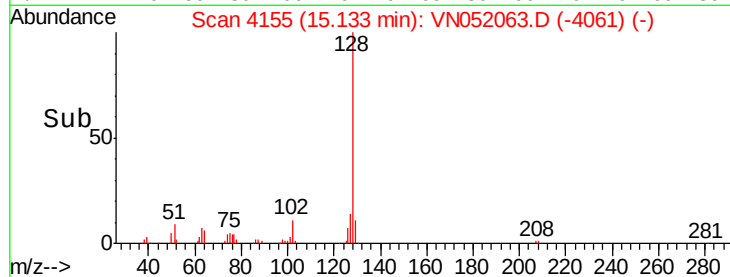
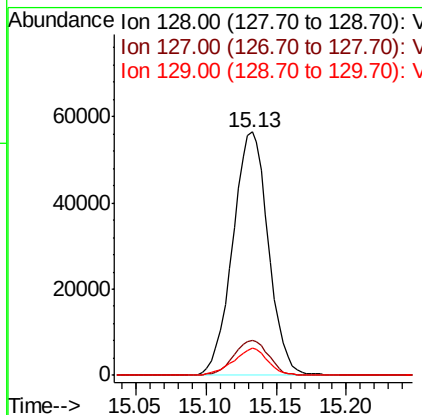
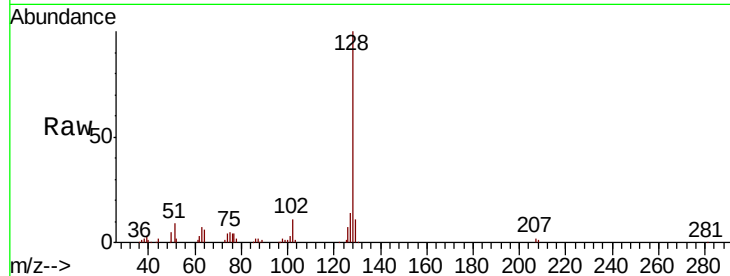
ClientSampleId :

VN1030WBS01

Tot Ion:	128	Resp:	99766
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/1/2018 11:48:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.867 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052063.D

Acq: 30 Oct 2018 14:43

Tgt Ion:	180	Resp:	37136
Ion Ratio	Lower	Upper	
180	100		
182	90.9	47.2	141.6
145	33.3	16.6	49.7

