

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050770.D
 Acq On : 20 Aug 2018 13:32
 Operator : MD\SY
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:13:14 PM

Quant Time: Aug 21 03:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	661987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	945610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	407765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404670	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.59	113	382067	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1442641	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	451601	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127816	17.13	ug/l	99
3) Chloromethane	2.06	50	168552	18.22	ug/l	100
4) Vinyl Chloride	2.18	62	174306	17.58	ug/l	99
5) Bromomethane	2.56	94	97706	16.96	ug/l	97
6) Chloroethane	2.70	64	105678	18.17	ug/l	99
7) Trichlorofluoromethane	3.01	101	231366	17.79	ug/l	99
8) Diethyl Ether	3.41	74	79683	18.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147563	18.76	ug/l	100
10) Methyl Iodide	3.95	142	89604	20.75	ug/l	100
11) Tert butyl alcohol	4.79	59	43126	94.65	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	130069	18.11	ug/l	95
13) Acrolein	3.61	56	34259	195.15	ug/l	98
14) Allyl chloride	4.32	41	202610	18.13	ug/l	99
15) Acrylonitrile	4.99	53	230896	92.27	ug/l	99
16) Acetone	3.82	43	216350	102.99	ug/l	97
17) Carbon Disulfide	4.05	76	379899	16.81	ug/l	99
18) Methyl Acetate	4.33	43	122069	20.24	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	344520	18.85	ug/l	100
20) Methylene Chloride	4.55	84	154755	18.72	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	140169	18.00	ug/l	99
22) Diisopropyl ether	5.95	45	450185	19.65	ug/l	95
23) Vinyl Acetate	5.90	43	1400527	93.46	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271760	18.33	ug/l	99
25) 2-Butanone	6.84	43	326453	95.42	ug/l	100
26) 2,2-Dichloropropane	6.83	77	218575	22.03	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160082	18.46	ug/l	98
28) Bromochloromethane	7.20	49	131049	19.43	ug/l	98
29) Tetrahydrofuran	7.21	42	168294	94.21	ug/l	99
30) Chloroform	7.37	83	272710	18.16	ug/l	97
31) Cyclohexane	7.65	56	236301	18.46	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	232948	18.42	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202637	19.25	ug/l	100
37) Ethyl Acetate	6.93	43	118963	19.99	ug/l	99
38) Carbon Tetrachloride	7.78	117	205756	18.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	214404	19.67	ug/l	96
40) Benzene	8.04	78	622100	19.43	ug/l	99
41) Methacrylonitrile	7.17	41	58291	18.12	ug/l	91
42) 1,2-Dichloroethane	8.13	62	187615	19.12	ug/l	99
43) Isopropyl Acetate	8.17	43	206837	19.07	ug/l #	86
44) Trichloroethene	8.84	130	162367	18.93	ug/l	99
45) 1,2-Dichloropropane	9.12	63	163620	19.19	ug/l	99
46) Dibromomethane	9.21	93	94624	18.80	ug/l	97
47) Bromodichloromethane	9.40	83	203906	18.95	ug/l	98
48) Methyl methacrylate	9.20	41	98796	18.11	ug/l	99
49) 1,4-Dioxane	9.20	88	26318	366.14	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	727005	99.13	ug/l	100
52) Toluene	10.16	92	377058	19.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196077	19.56	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	233104	20.27	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137289	19.22	ug/l	99
56) Ethyl methacrylate	10.43	69	157801	18.56	ug/l	99
57) 1,3-Dichloropropane	10.71	76	226804	19.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	360956	89.67	ug/l	99
59) 2-Hexanone	10.75	43	466470	98.55	ug/l	99
60) Dibromochloromethane	10.90	129	151076	19.16	ug/l	99
61) 1,2-Dibromoethane	11.01	107	130796	19.23	ug/l	99
64) Tetrachloroethene	10.63	164	147683	18.68	ug/l	98
65) Chlorobenzene	11.43	112	407429	19.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	155098	19.53	ug/l	99
67) Ethyl Benzene	11.51	91	674202	19.71	ug/l	100
68) m/p-Xylenes	11.62	106	529672	40.49	ug/l	100
69) o-Xylene	11.95	106	250901	20.11	ug/l	100
70) Styrene	11.96	104	398987	18.59	ug/l	100
71) Bromoform	12.13	173	100473	19.08	ug/l #	100
73) Isopropylbenzene	12.25	105	667618	20.96	ug/l	100
74) N-amyl acetate	12.07	43	154591	18.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164635	20.91	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140481m	20.72	ug/l	
77) Bromobenzene	12.53	156	170455	19.71	ug/l	100
78) n-propylbenzene	12.59	91	748503	21.07	ug/l	99
79) 2-Chlorotoluene	12.67	91	456277	20.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548877	21.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38173	20.81	ug/l	98
82) 4-Chlorotoluene	12.77	91	451953	20.65	ug/l	100
83) tert-Butylbenzene	12.99	119	462365	20.88	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	549332	21.46	ug/l	100
85) sec-Butylbenzene	13.17	105	615869	21.28	ug/l	100
86) p-Isopropyltoluene	13.29	119	527953	21.53	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	285458	19.39	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	281755	19.28	ug/l	99
89) n-Butylbenzene	13.62	91	396780	20.04	ug/l	98
90) Hexachloroethane	13.88	117	95810	19.43	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278668	19.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21617	19.02	ug/l	96

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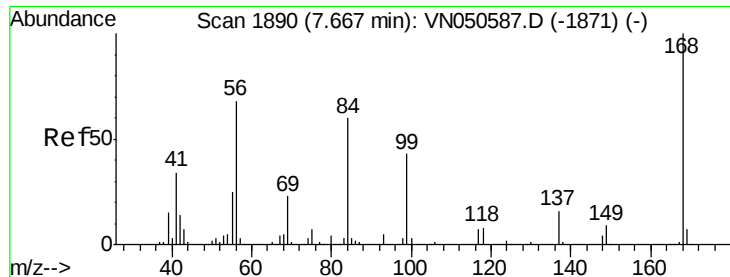
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112158	17.07	ug/l	99
94) Hexachlorobutadiene	15.01	225	89755	20.38	ug/l	98
95) Naphthalene	15.13	128	204624	15.90	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	114136	17.87	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion:168 Resp: 661987

Ion Ratio Lower Upper

168 100

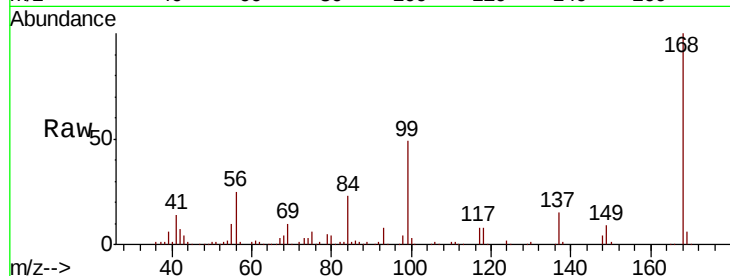
99 49.2 40.8 61.2

Manual Integrations

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8/21/2018 2:13:14 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

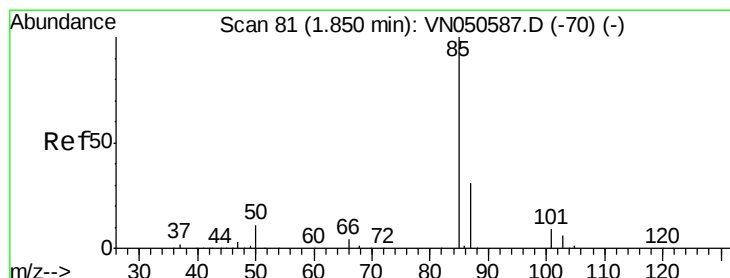
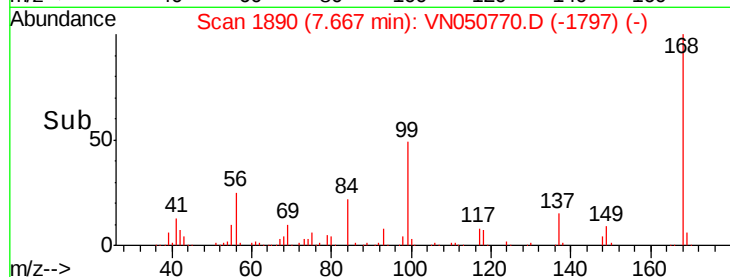
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050770.D

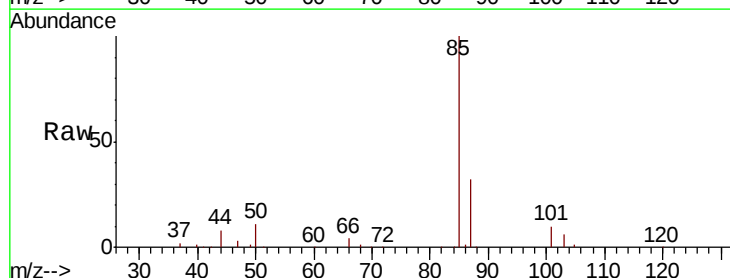
Acq: 20 Aug 2018 13:32

Tgt Ion: 85 Resp: 127816

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

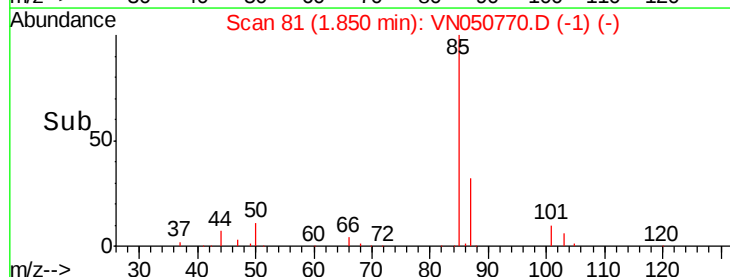
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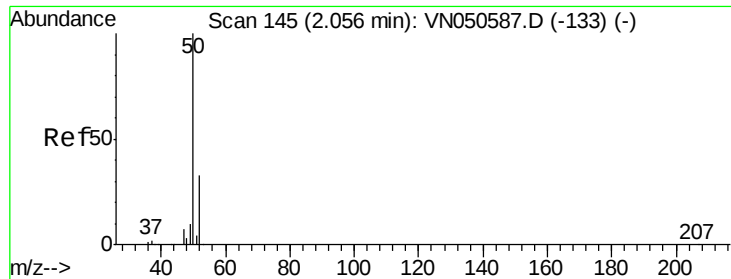
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.22 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 50 Resp: 168552

Ion Ratio Lower Upper

50 100

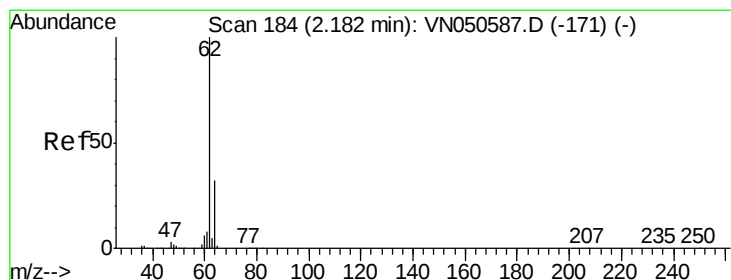
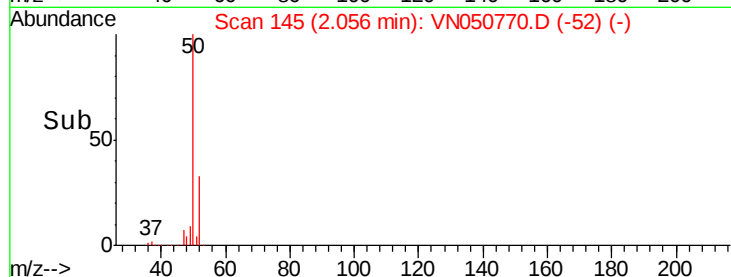
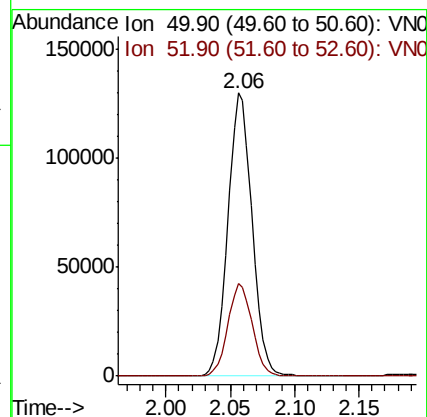
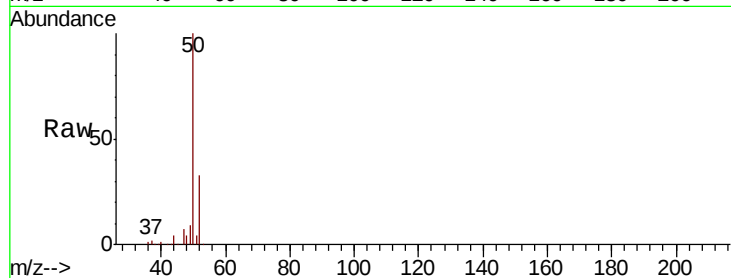
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050770.D

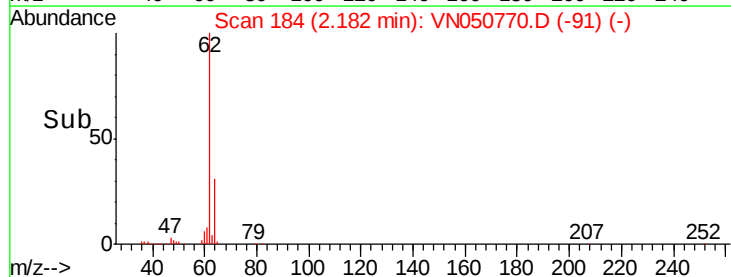
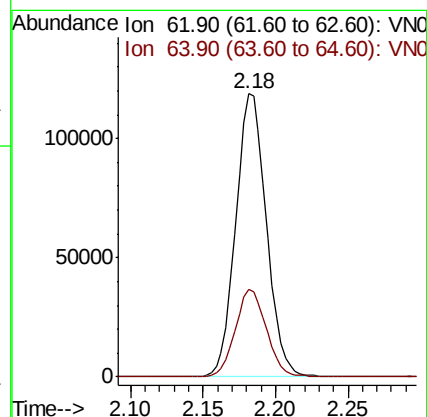
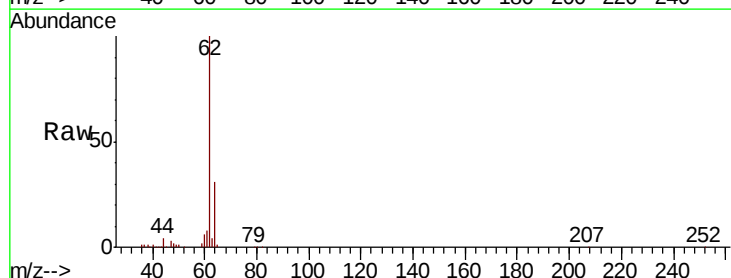
Acq: 20 Aug 2018 13:32

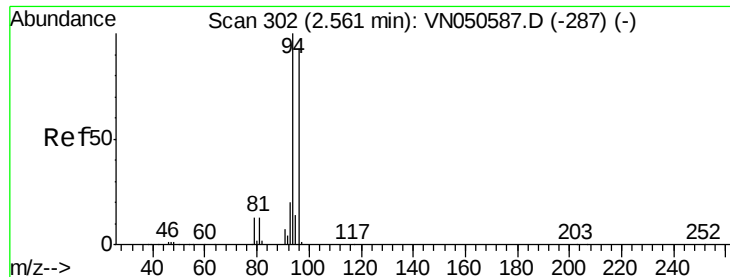
Tgt Ion: 62 Resp: 174306

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 16.96 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 94 Resp: 97706

Ion Ratio Lower Upper

94 100

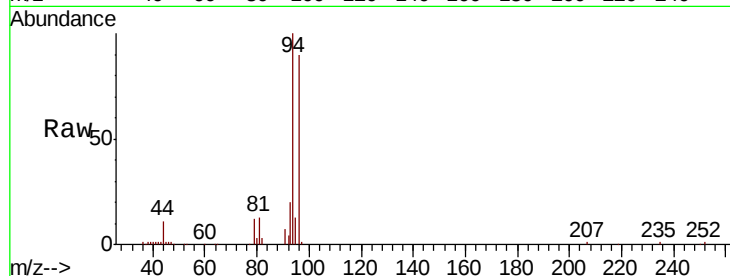
96 90.0 74.0 111.0

Manual Integrations

APPROVED

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8/21/2018 2:13:14 PM

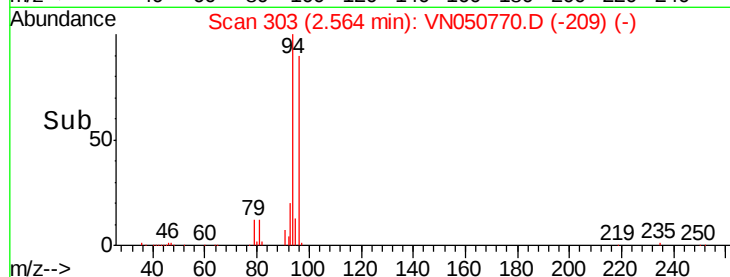


Abundance Ion 93.90 (93.60 to 94.60): VN050770.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050770.D (-287) (-)

2.56

Time-->

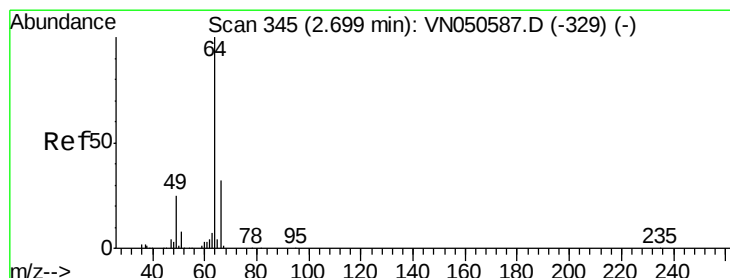


Abundance Ion 93.90 (93.60 to 94.60): VN050770.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050770.D (-209) (-)

2.56

Time-->



#6

Chloroethane

Concen: 18.17 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050770.D

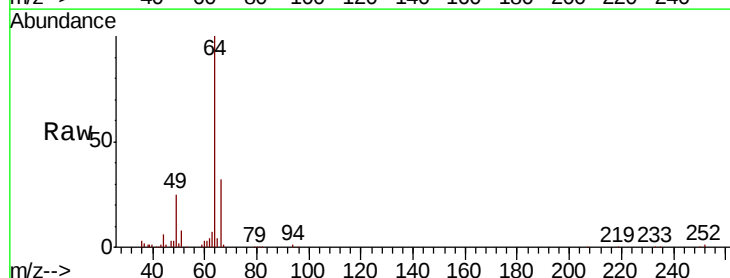
Acq: 20 Aug 2018 13:32

Tgt Ion: 64 Resp: 105678

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5

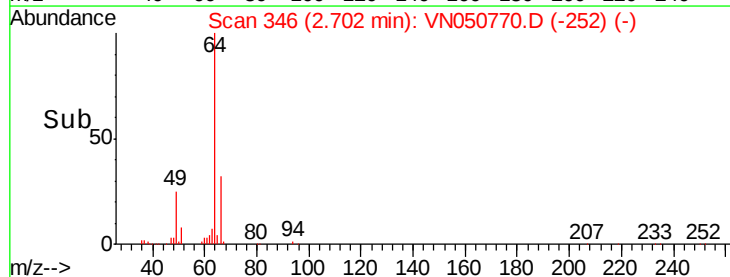


Abundance Ion 63.90 (63.60 to 64.60): VN050770.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050770.D (-329) (-)

2.70

Time-->

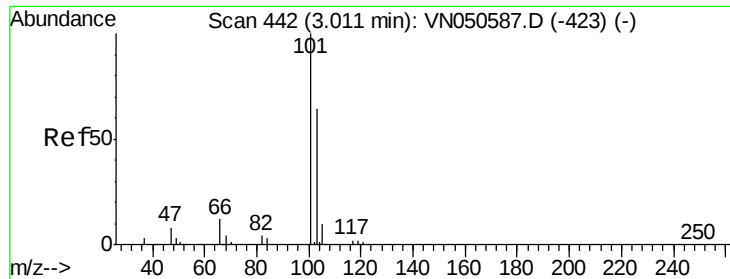


Abundance Ion 63.90 (63.60 to 64.60): VN050770.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050770.D (-252) (-)

2.70

Time-->



#7

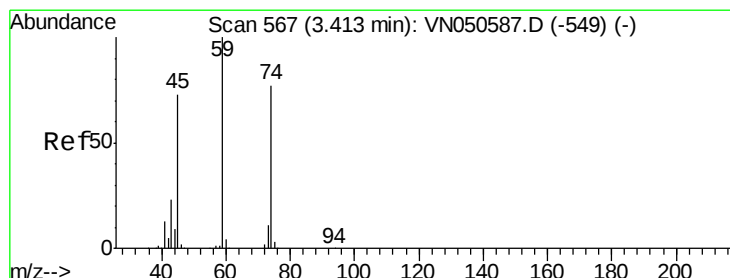
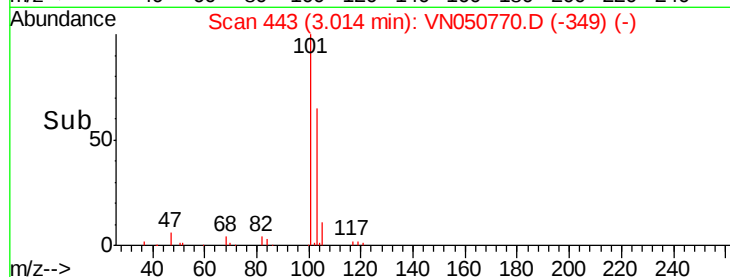
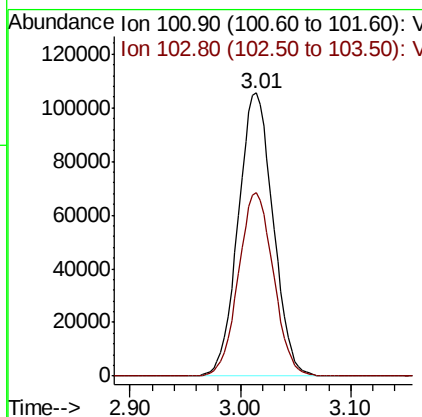
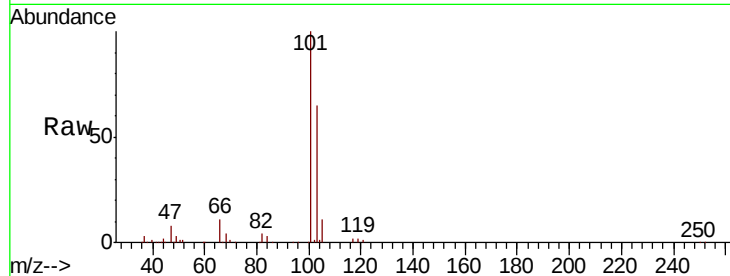
Trichlorofluoromethane
 Concen: 17.79 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

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 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.4	77.0

Manual Integrations
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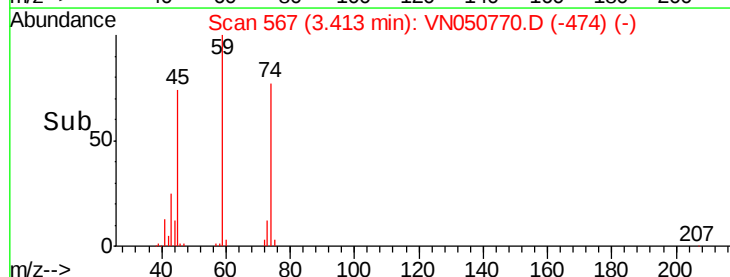
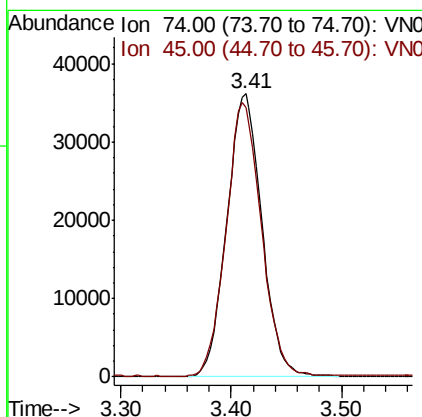
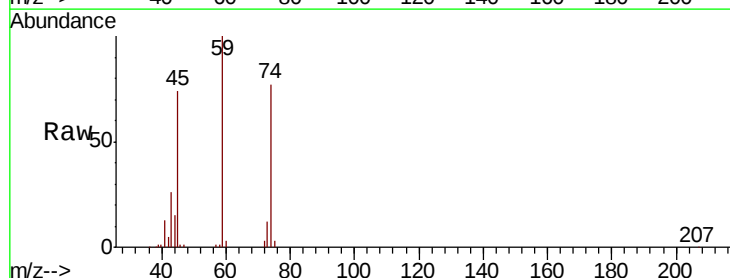
MMDadoda
 8/21/2018 2:13:14 PM

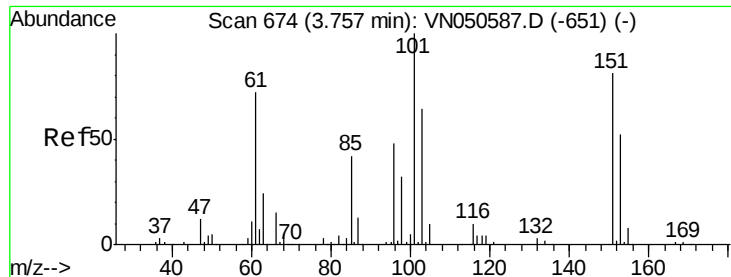


#8

Diethyl Ether
 Concen: 18.41 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.76 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

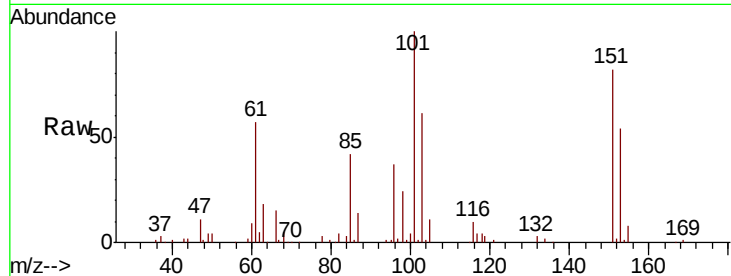
ClientSampleId :

VN0820WBS02

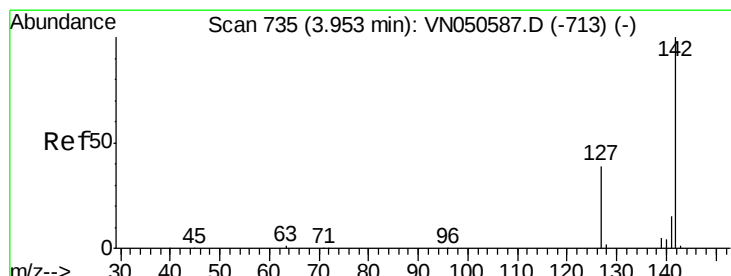
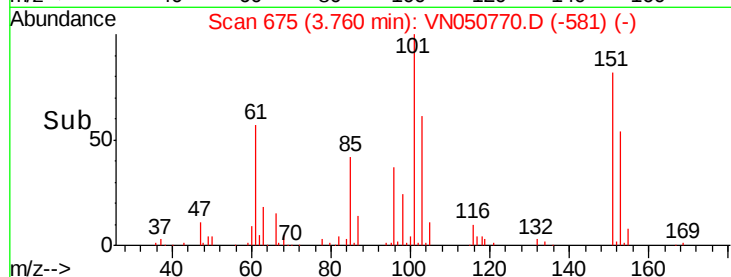
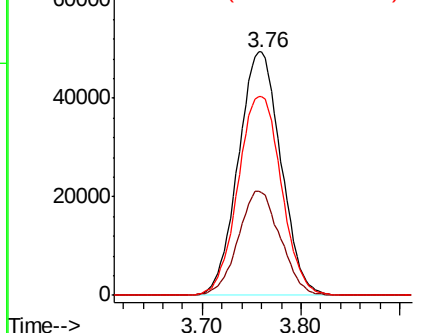
Tot Ion:	101	Resp:	147563
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	83.3	66.6	100.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.75 ug/l

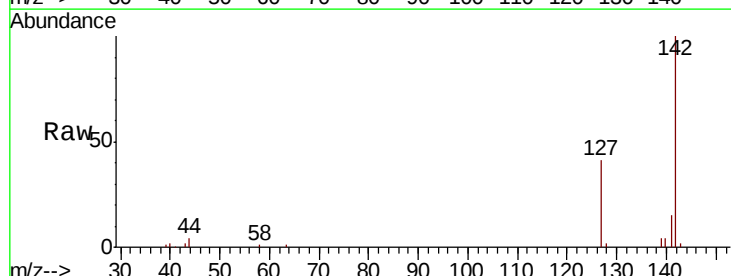
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

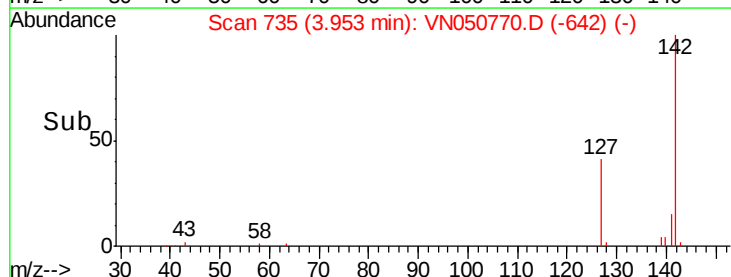
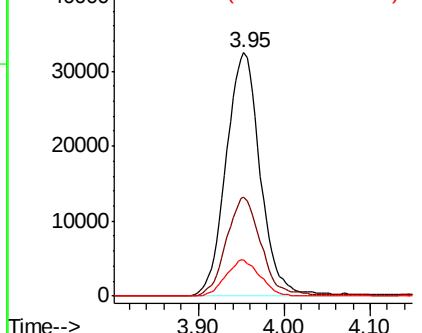
Lab File: VN050770.D

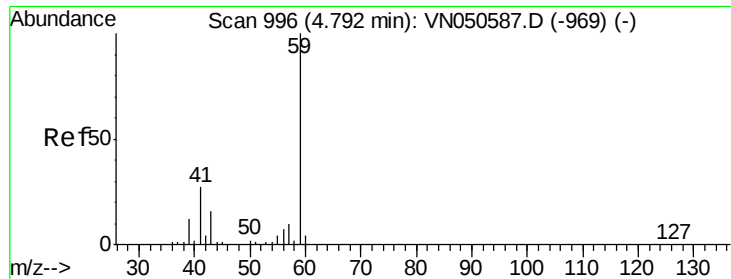
Acq: 20 Aug 2018 13:32

Tgt Ion:	142	Resp:	89604
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.6	49.0
141	14.8	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





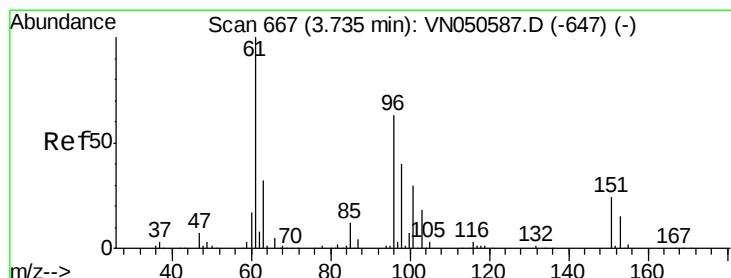
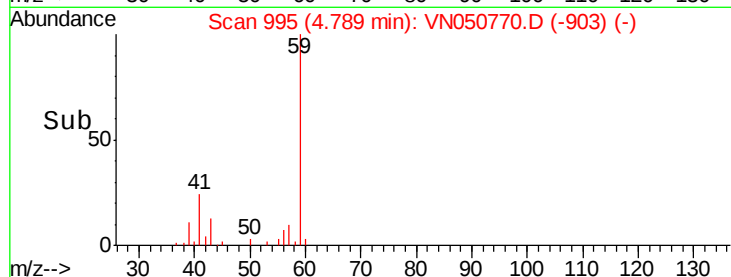
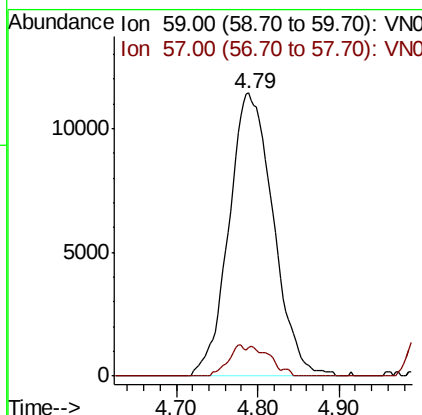
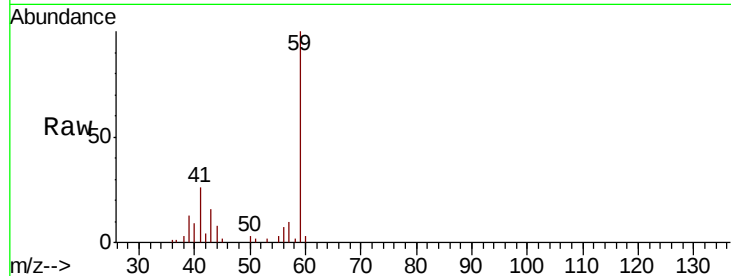
#11
Tert butyl alcohol
Concen: 94.65 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion: 59 Resp: 43126
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

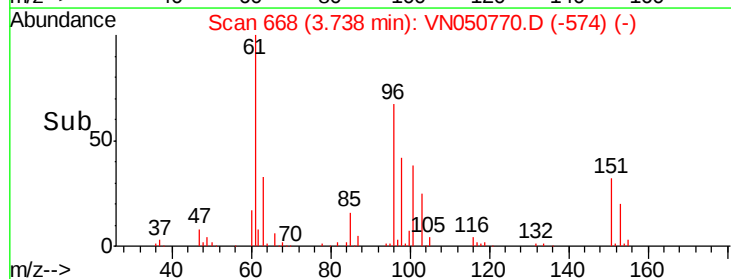
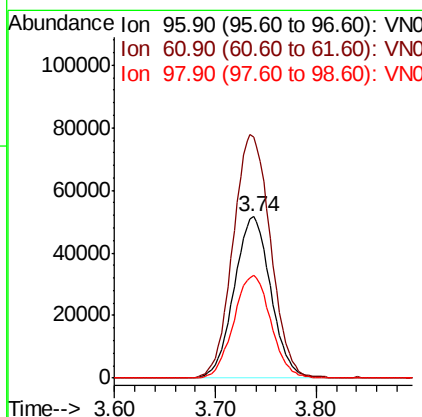
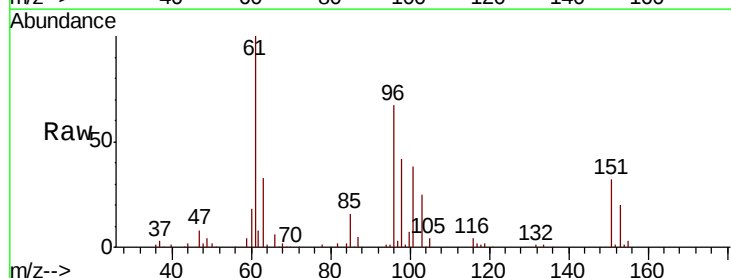
Manual Integrations
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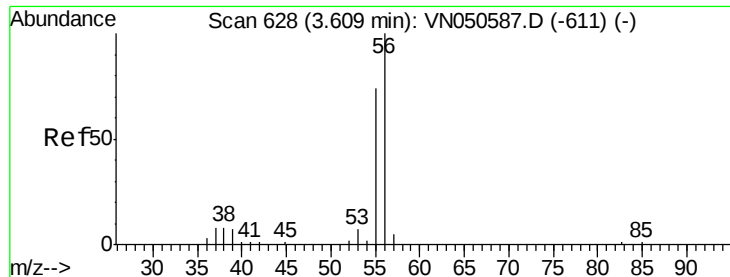
MMDadoda
8/21/2018 2:13:14 PM



#12
1,1-Dichloroethene
Concen: 18.11 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 96 Resp: 130069
Ion Ratio Lower Upper
96 100
61 149.0 126.9 190.3
98 63.3 51.1 76.7





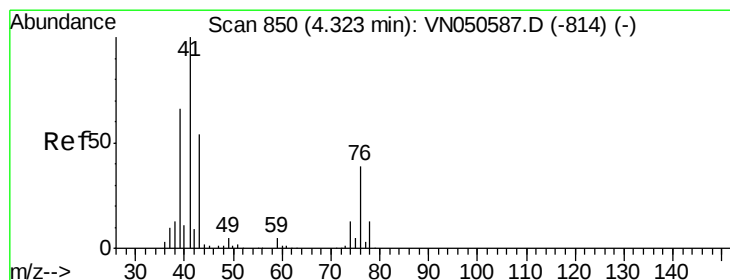
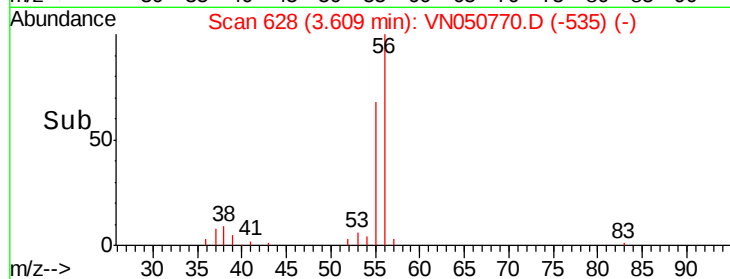
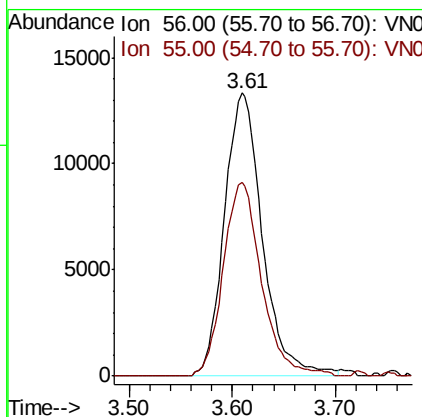
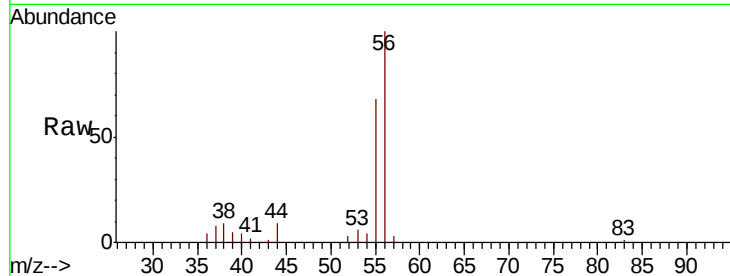
#13
Acrolein
Concen: 195.15 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion	56	Resp	34259
Ion Ratio	100	Lower	Upper
56	100		
55	68.9	56.3	84.5

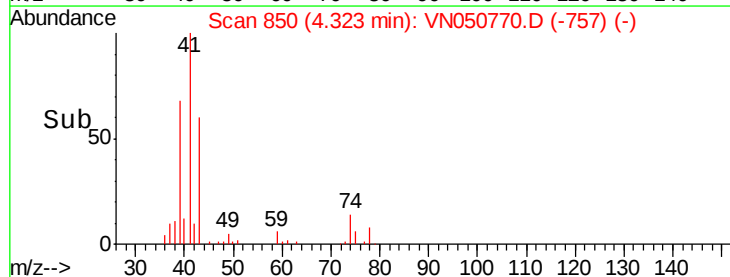
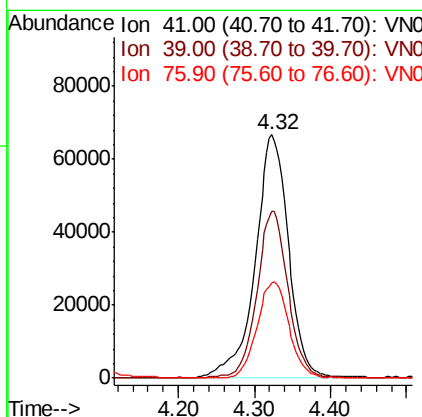
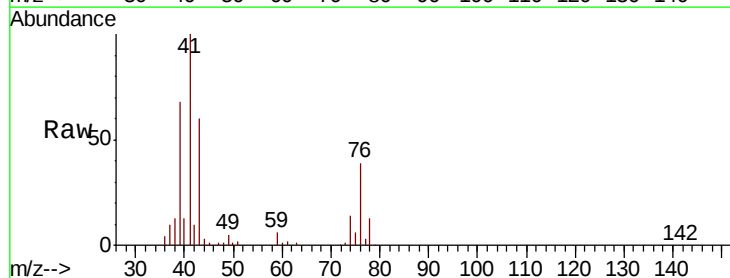
Manual Integrations
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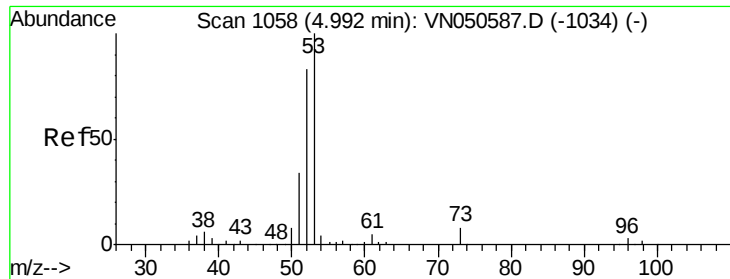
MMDadoda
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#14
Allyl chloride
Concen: 18.13 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	41	Resp	202610
Ion Ratio	100	Lower	Upper
41	100		
39	63.9	51.4	77.0
76	38.0	29.4	44.0





#15

Acrylonitrile

Concen: 92.27 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

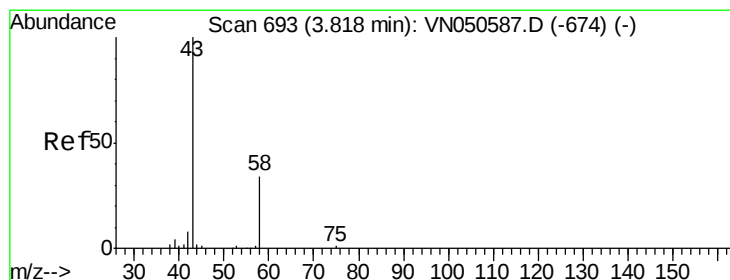
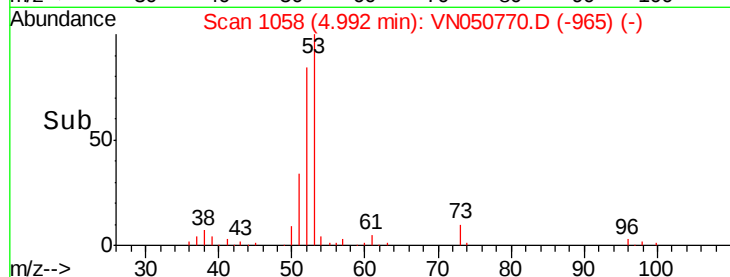
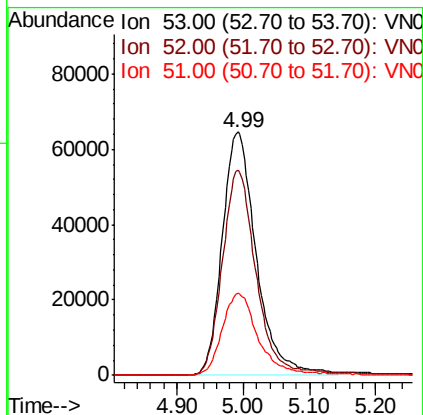
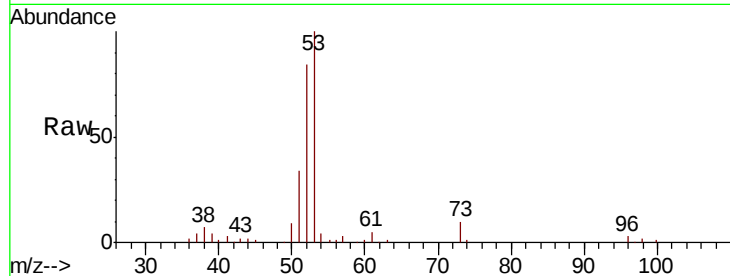
ClientSampleId :

VN0820WBS02

Tot Ion:	53	Resp:	230896
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	35.4	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 102.99 ug/l

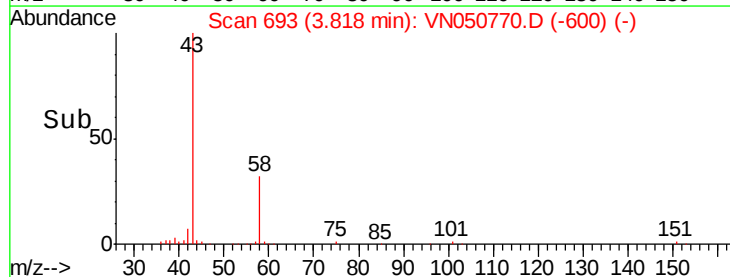
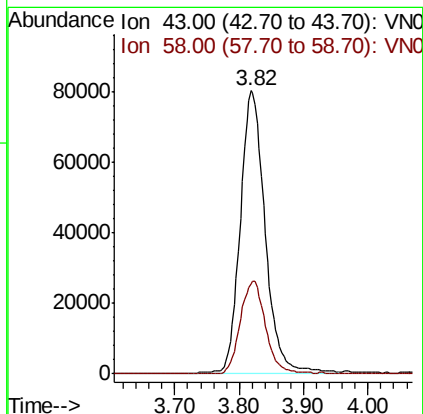
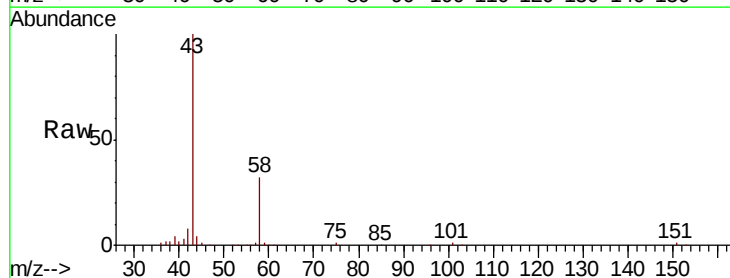
RT: 3.82 min Scan# 693

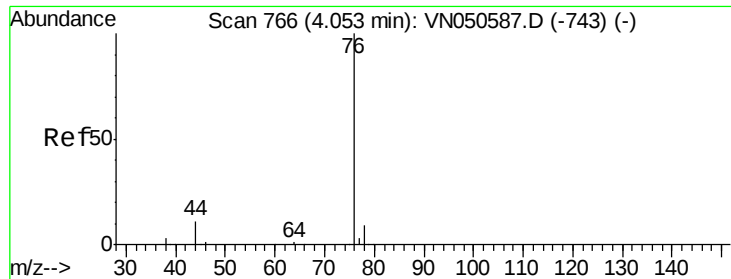
Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion:	43	Resp:	216350
Ion Ratio	Lower	Upper	
43	100		
58	32.0	27.1	40.7





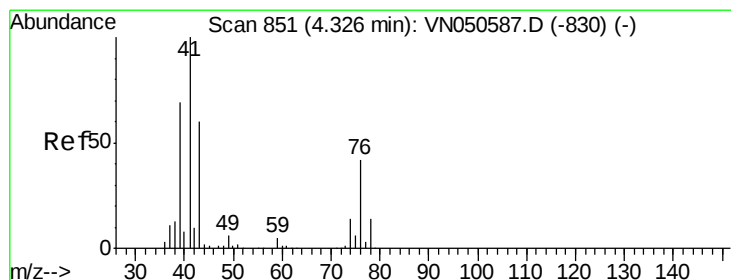
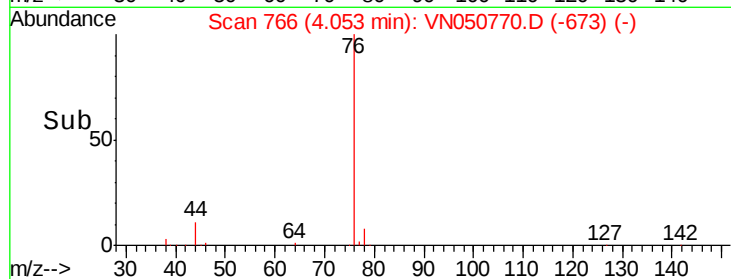
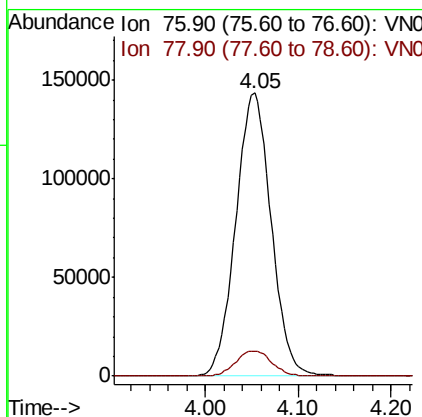
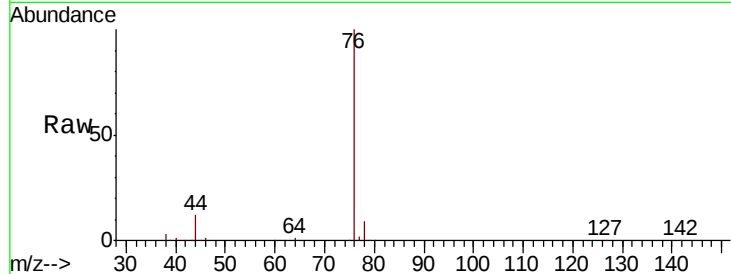
#17
Carbon Disulfide
Concen: 16.81 ug/l
RT: 4.05 min Scan# 766
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

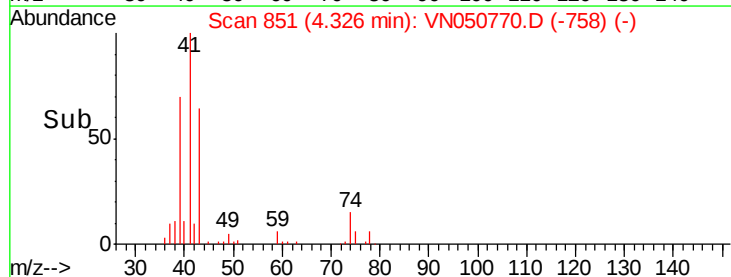
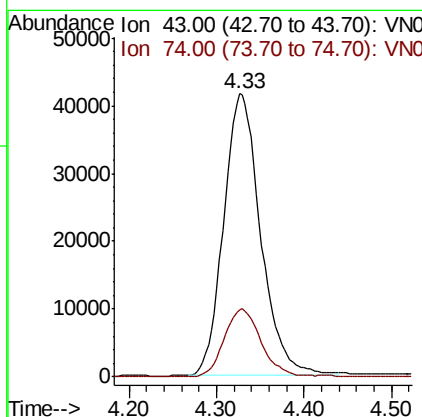
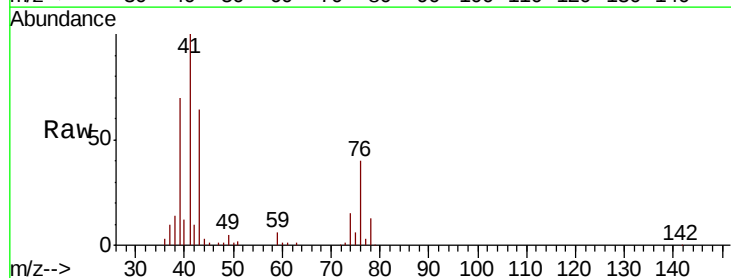
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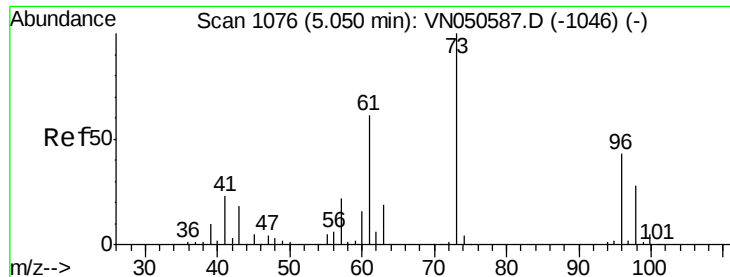
MMDadoda
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#18
Methyl Acetate
Concen: 20.24 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.7	29.5





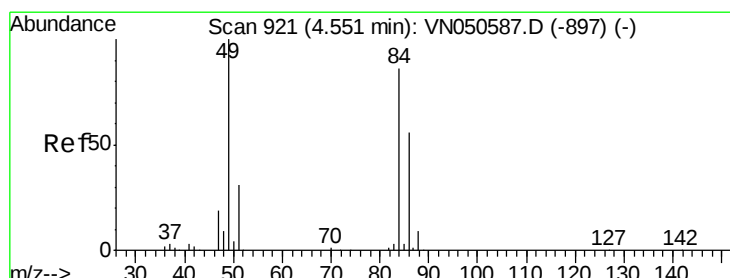
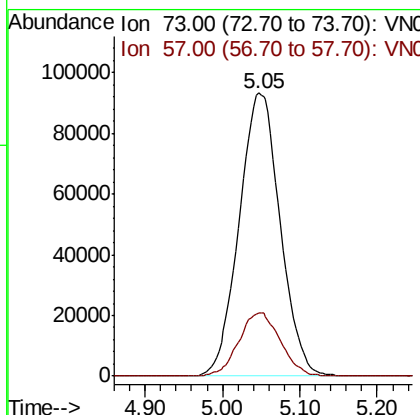
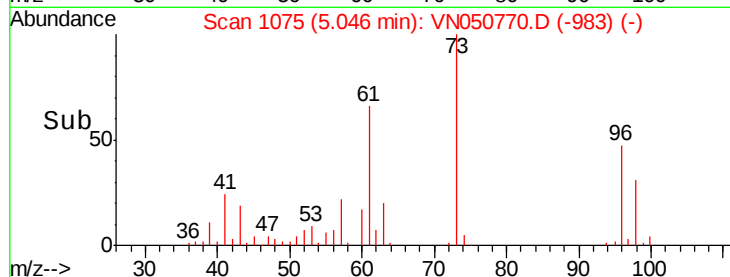
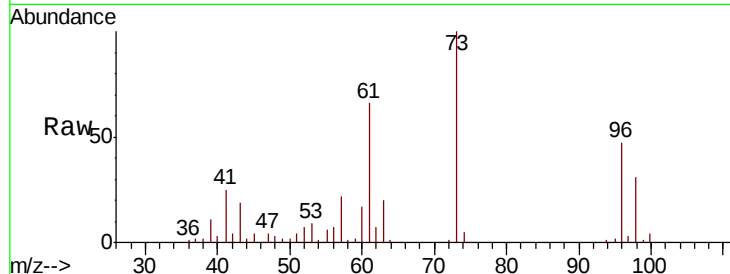
#19
Methyl tert-butyl Ether
Concen: 18.85 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

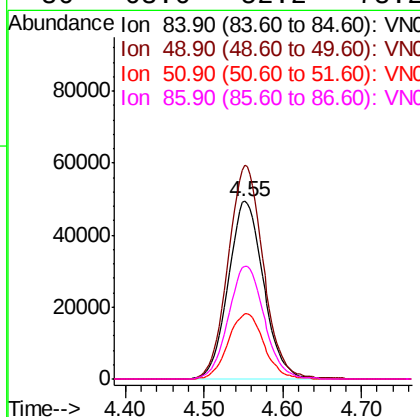
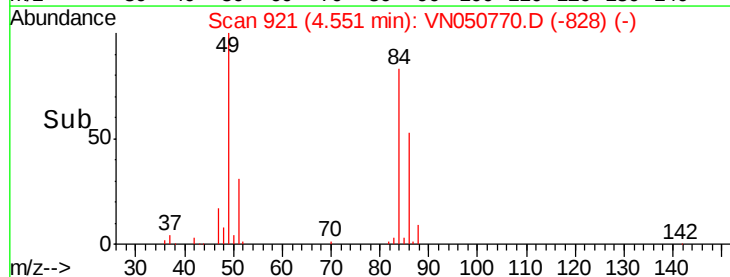
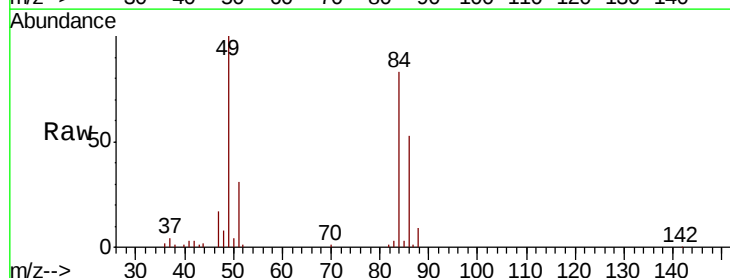
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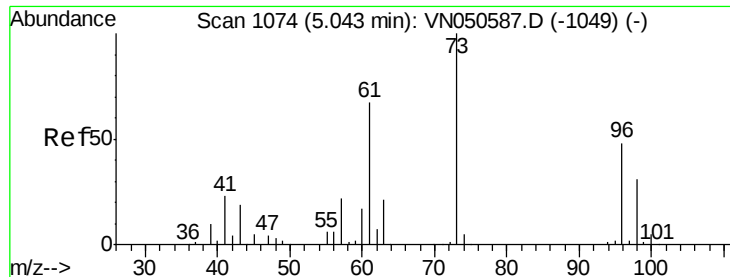
MMDadoda
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#20
Methylene Chloride
Concen: 18.72 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	92.6	138.8
51	36.8	28.6	43.0
86	63.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 18.00 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 96 Resp: 140169

Ion Ratio Lower Upper

96 100

61 138.8 111.2 166.8

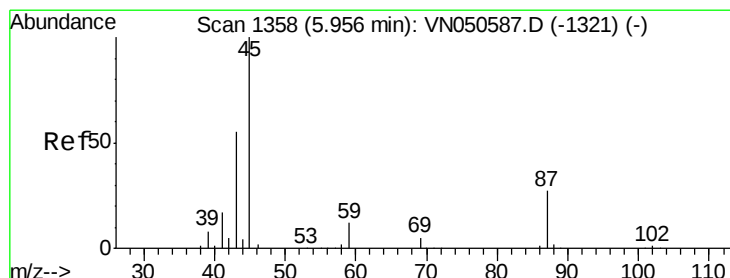
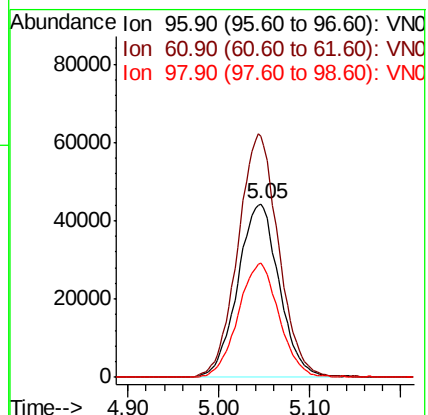
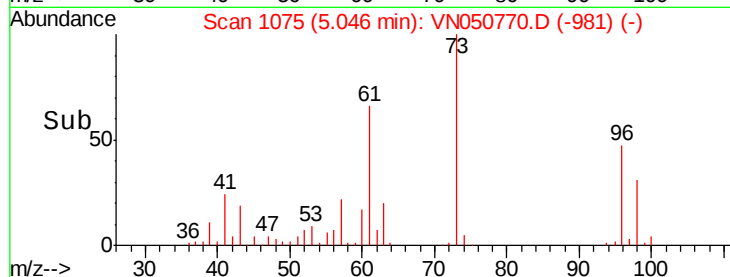
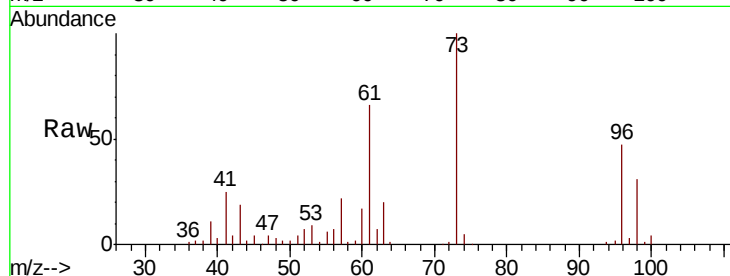
98 66.0 51.6 77.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.65 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion: 45 Resp: 450185

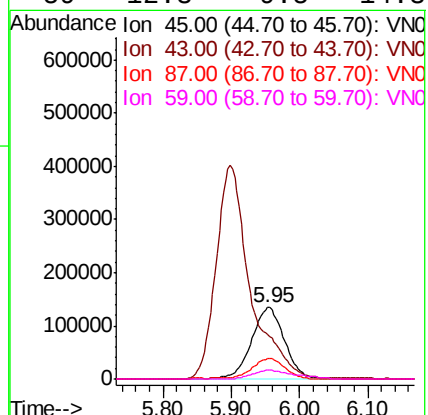
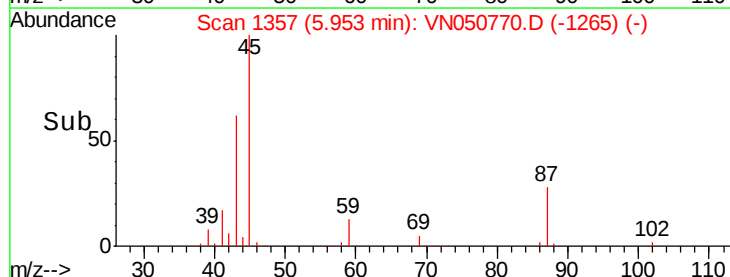
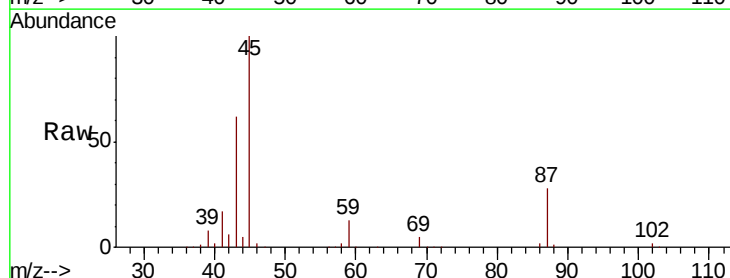
Ion Ratio Lower Upper

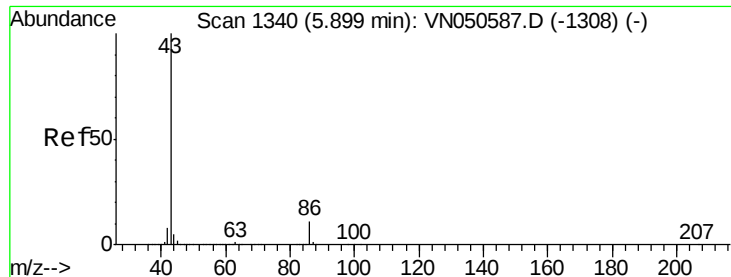
45 100

43 60.7 44.5 66.7

87 28.4 22.2 33.2

59 12.3 9.5 14.3





#23

Vinyl Acetate

Concen: 93.46 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 43 Resp: 1400527

Ion Ratio Lower Upper

43 100

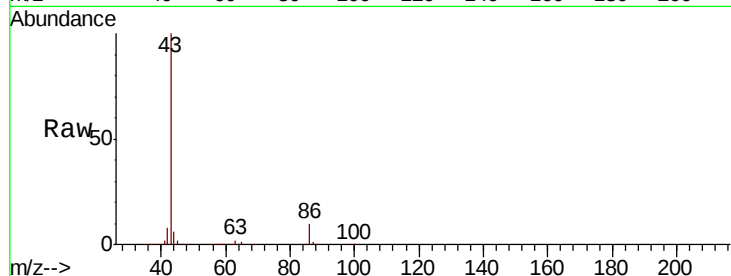
86 10.4 8.4 12.6

Manual Integrations

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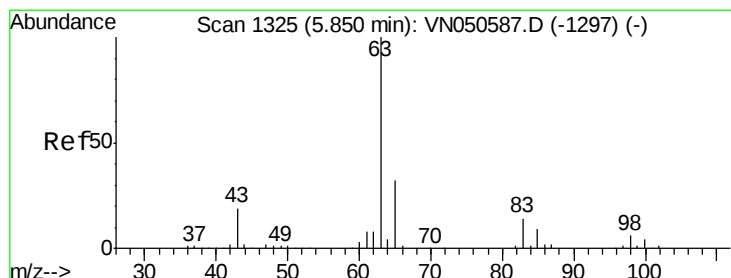
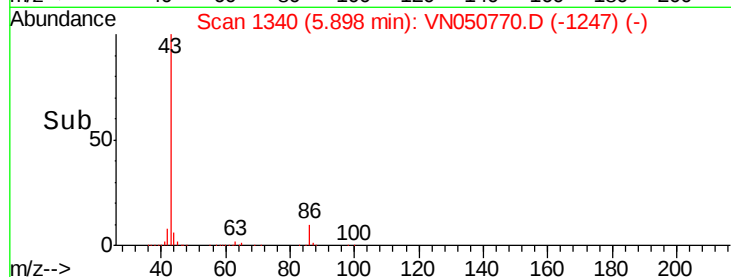
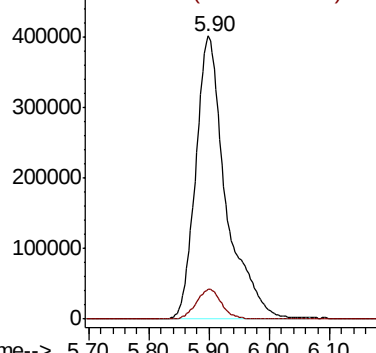
MMDadoda

8/21/2018 2:13:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

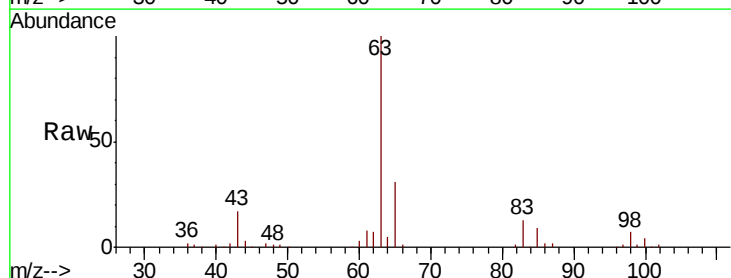
Tgt Ion: 63 Resp: 271760

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

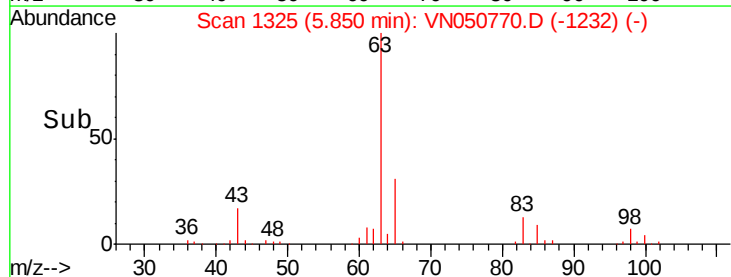
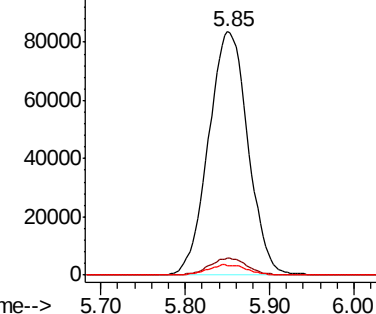
100 4.1 2.1 6.5

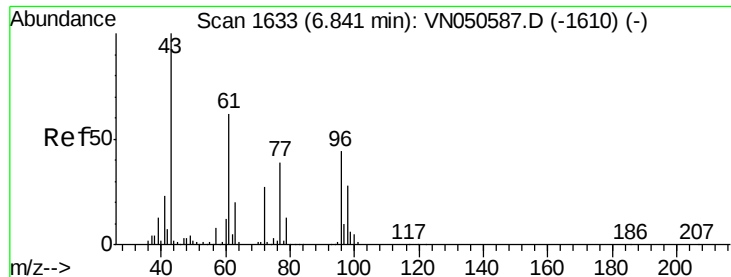


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





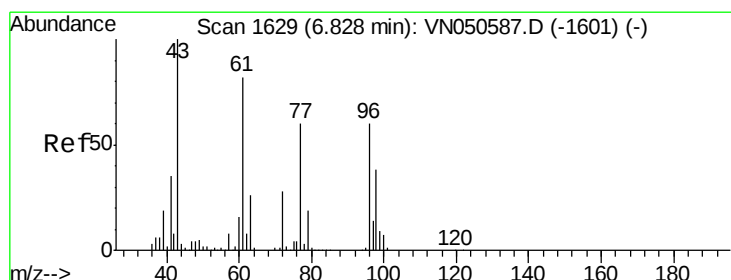
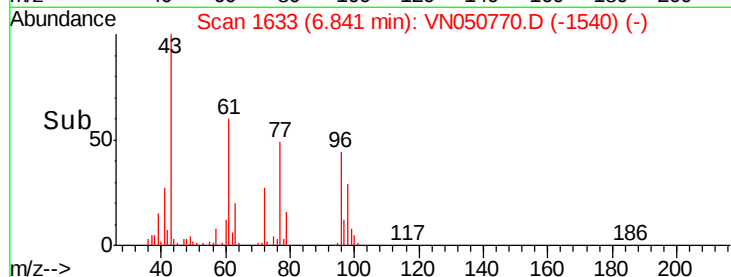
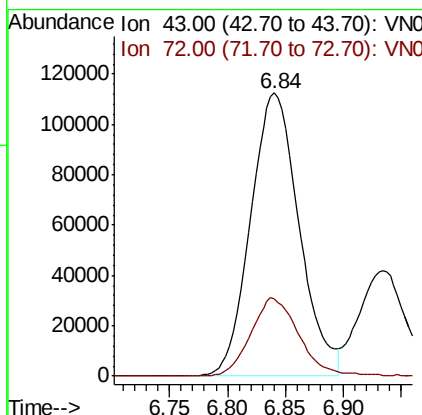
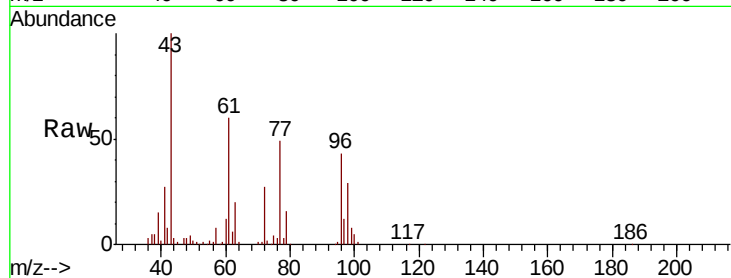
#25
2-Butanone
Concen: 95.42 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion: 43 Resp: 326453
Ion Ratio Lower Upper
43 100
72 27.4 21.8 32.6

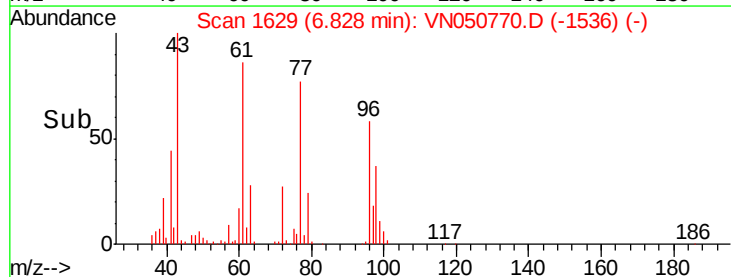
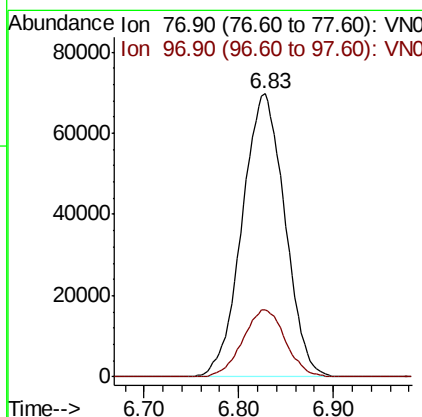
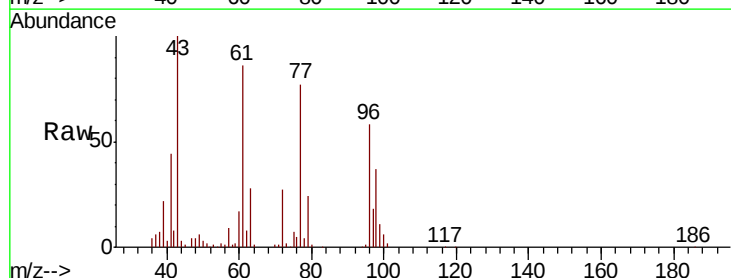
Manual Integrations
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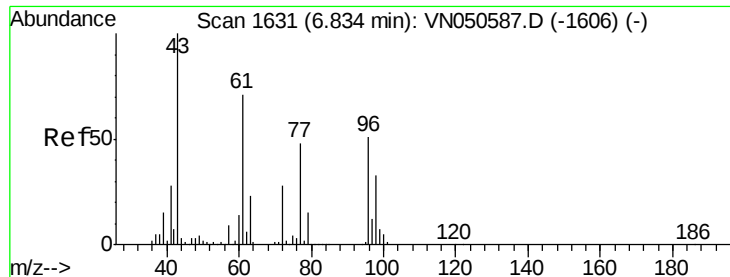
MMDadoda
8/21/2018 2:13:14 PM



#26
2,2-Dichloropropane
Concen: 22.03 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion: 77 Resp: 218575
Ion Ratio Lower Upper
77 100
97 23.6 12.2 36.4





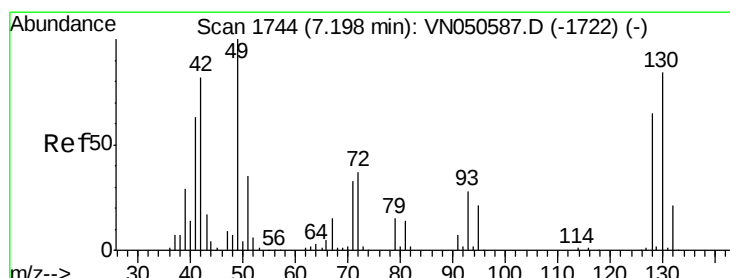
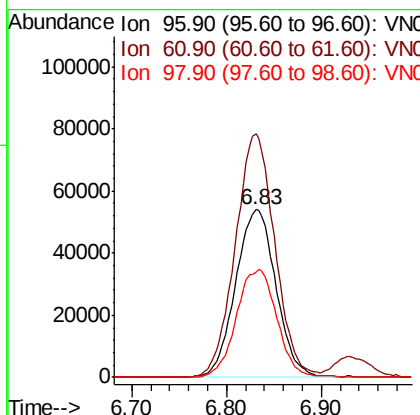
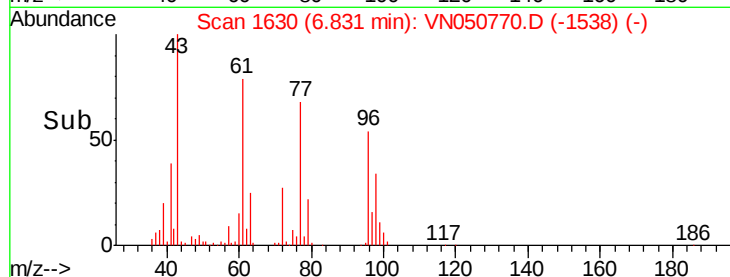
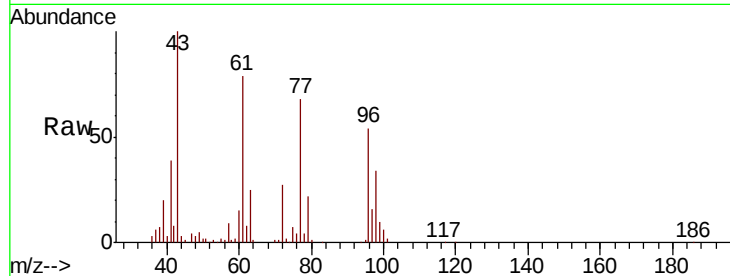
#27
 cis-1,2-Dichloroethene
 Concen: 18.46 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160082		
61	142.6	0.0	278.2	
98	64.2	0.0	128.8	

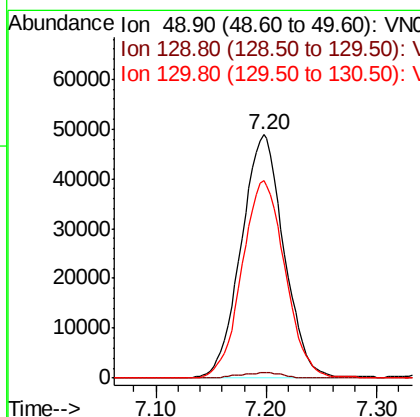
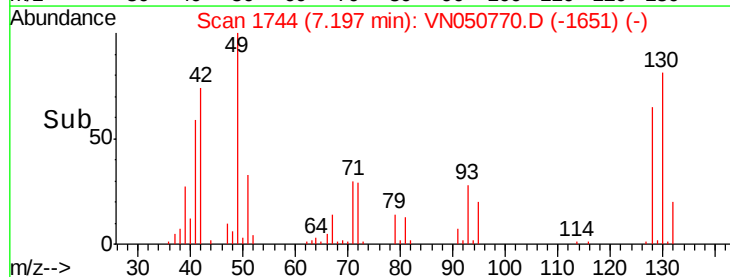
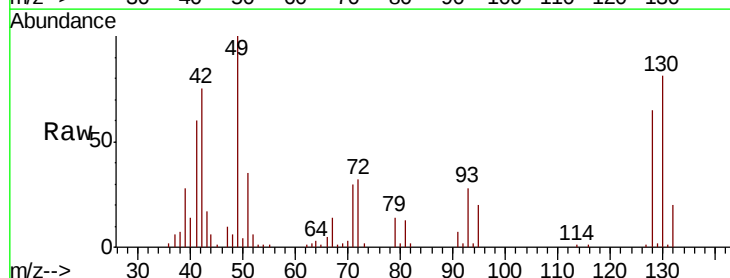
Manual Integrations
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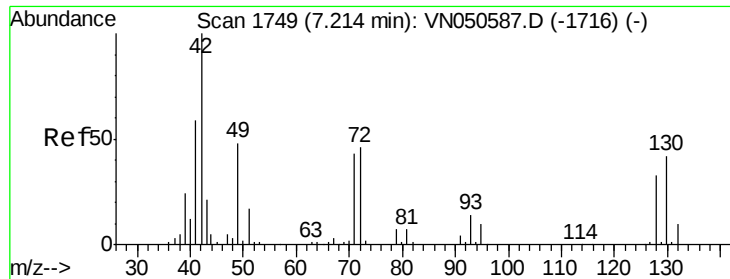
MMDadoda
 8/21/2018 2:13:14 PM



#28
 Bromochloromethane
 Concen: 19.43 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131049		
129	2.2	0.0	4.2	
130	82.0	66.8	100.2	





#29

Tetrahydrofuran

Concen: 94.21 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

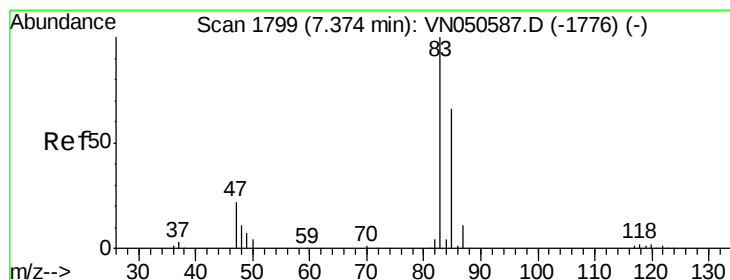
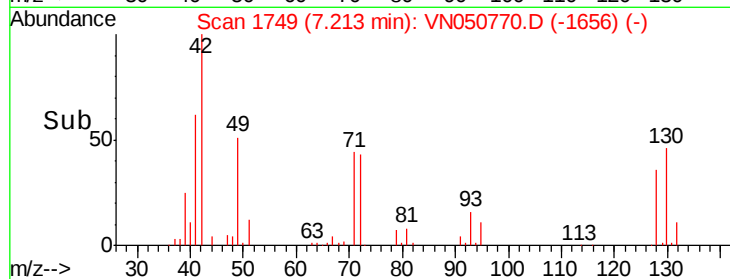
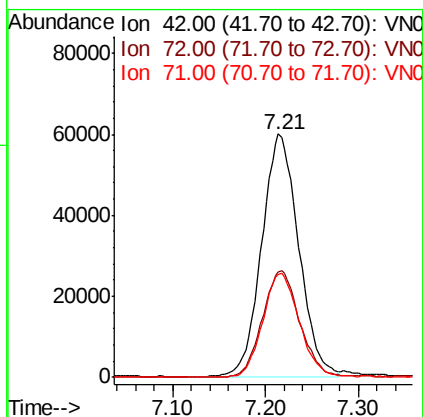
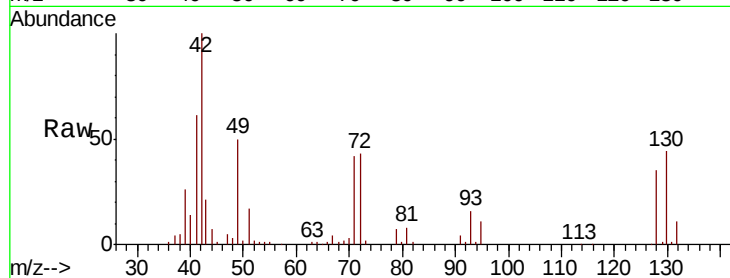
ClientSampled :

VN0820WBS02

Tot Ion:	42	Resp:	168294
Ion Ratio		Lower	Upper
42	100		
72	44.1	35.8	53.6
71	42.0	33.4	50.0

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#30

Chloroform

Concen: 18.16 ug/l

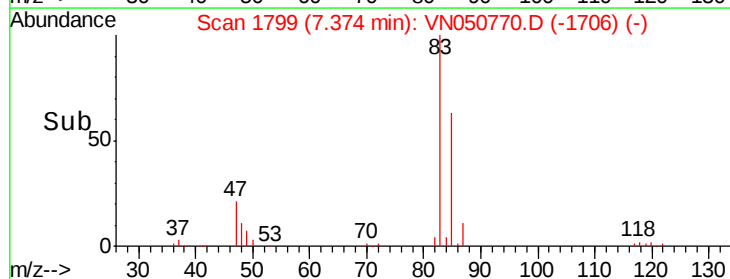
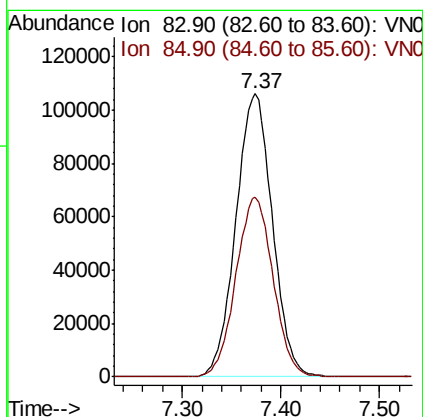
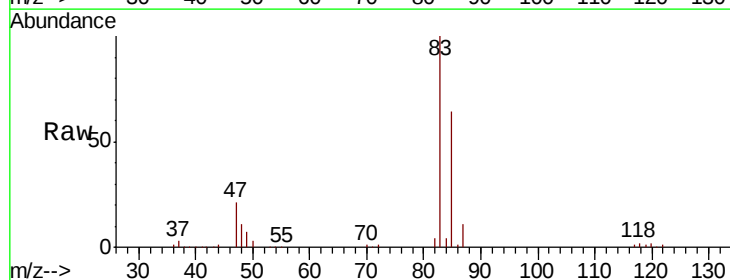
RT: 7.37 min Scan# 1799

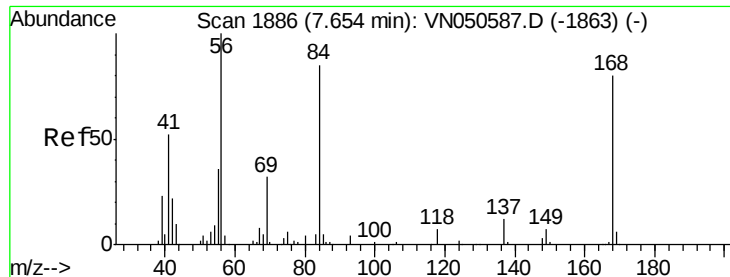
Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion:	83	Resp:	272710
Ion Ratio		Lower	Upper
83	100		
85	63.6	52.5	78.7





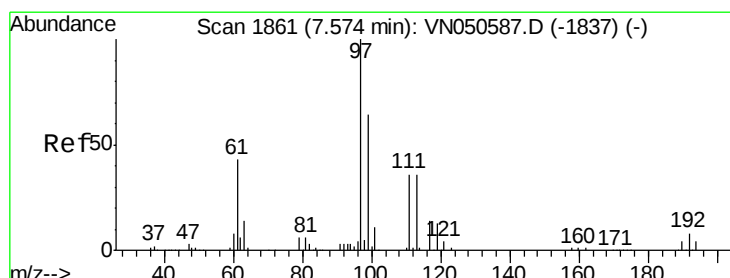
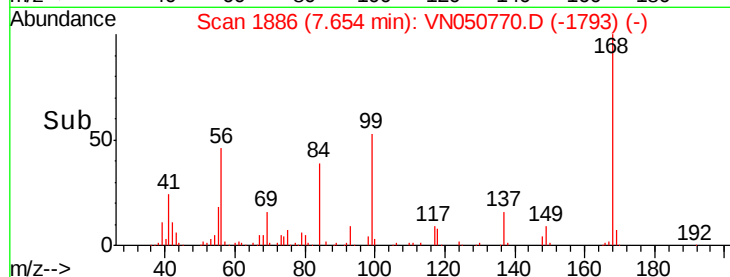
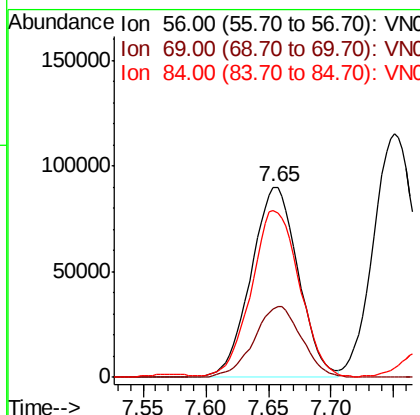
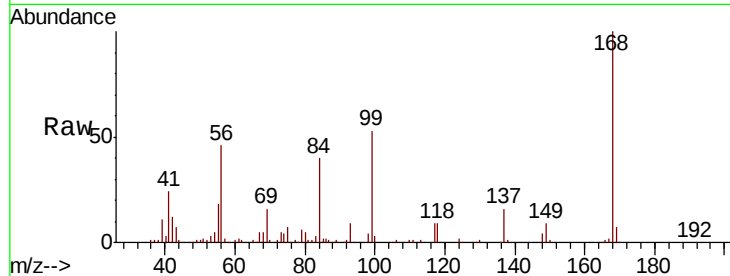
#31
Cyclohexane
Concen: 18.46 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.8	38.6
84	86.6	67.8	101.6

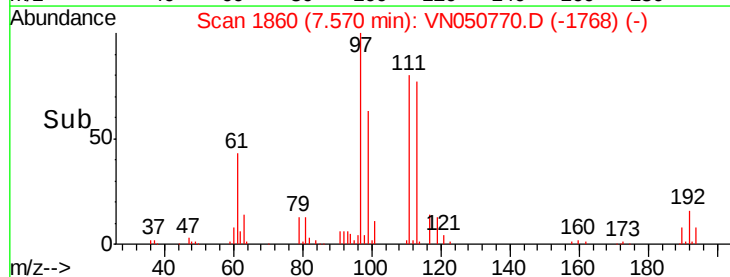
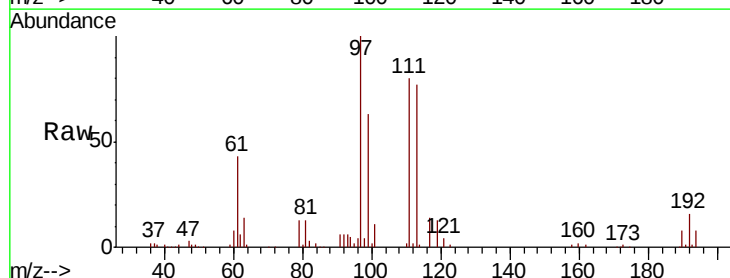
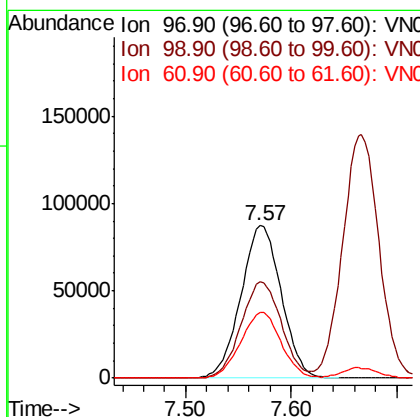
Manual Integrations
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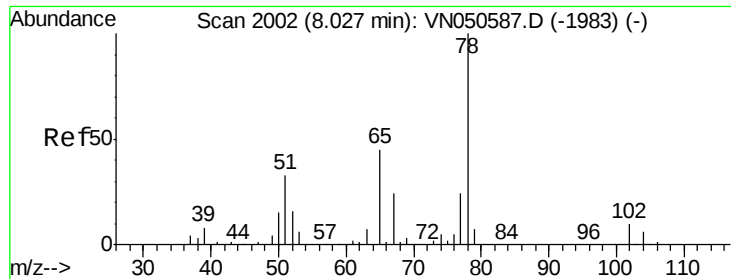
MMDadoda
8/21/2018 2:13:14 PM



#32
1,1,1-Trichloroethane
Concen: 18.42 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	42.9	34.8	52.2





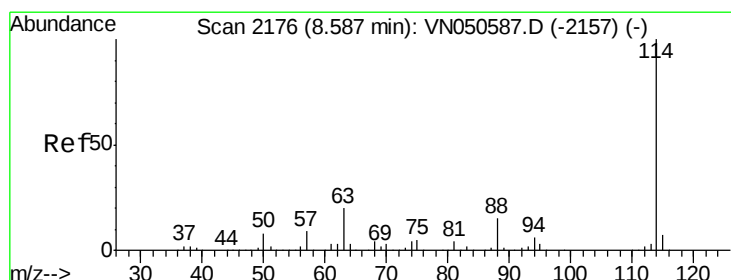
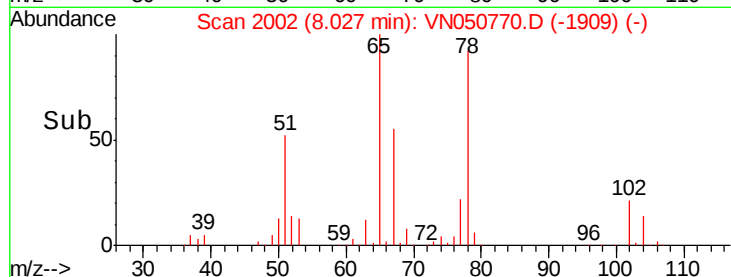
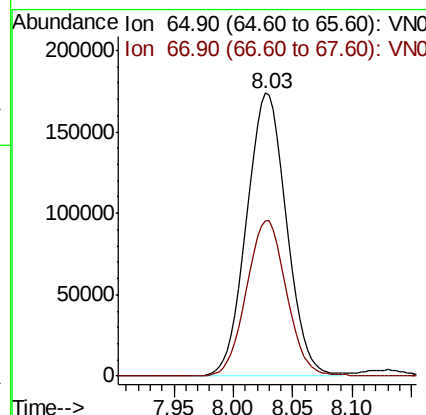
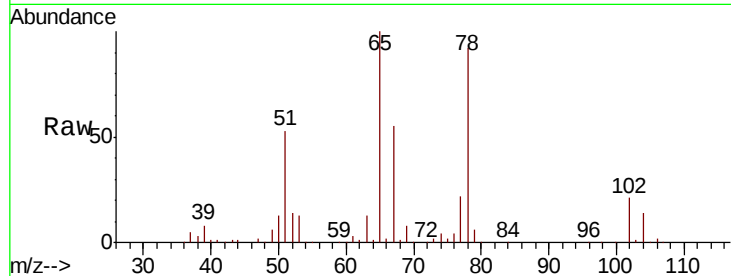
#33
 1,2-Dichloroethane-d4
 Concen: 48.50 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.8	

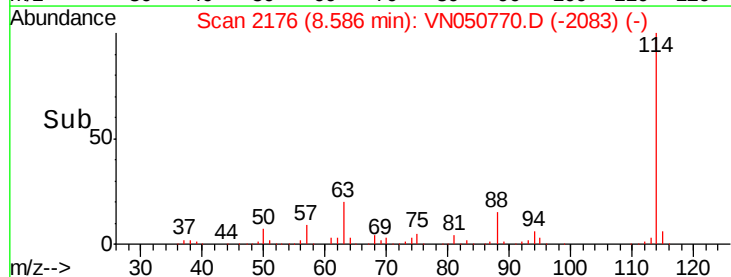
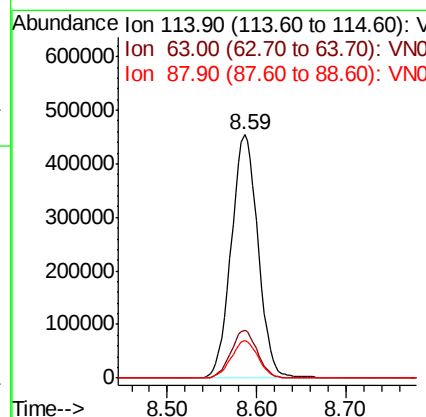
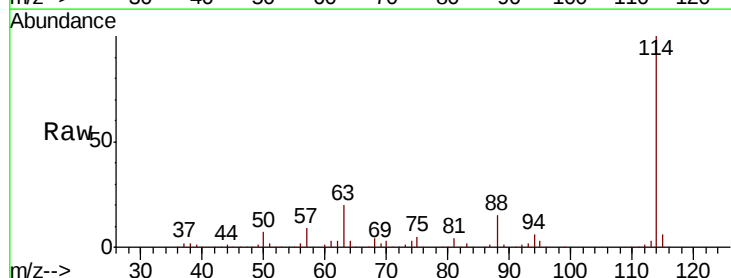
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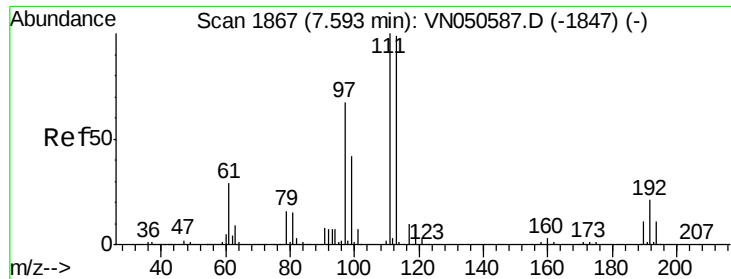
MMDadoda
 8/21/2018 2:13:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.0	
88	15.4	0.0	30.8	





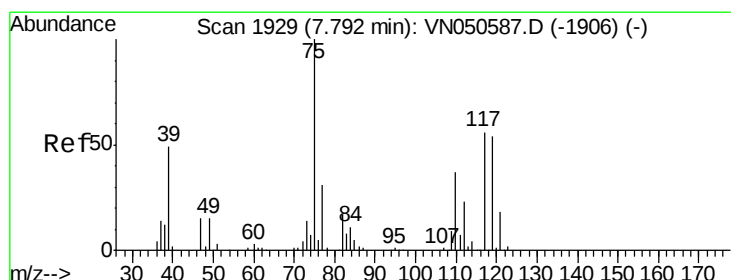
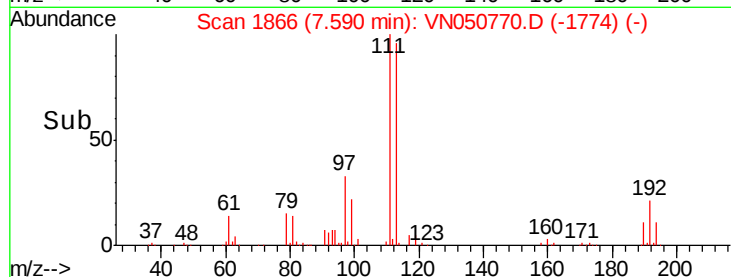
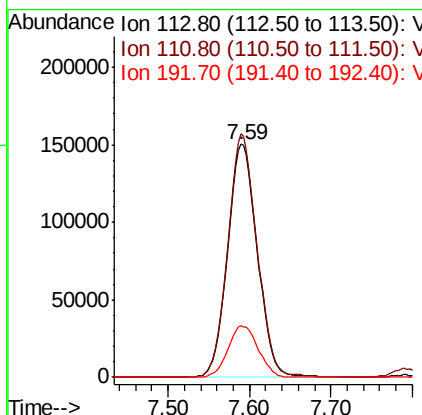
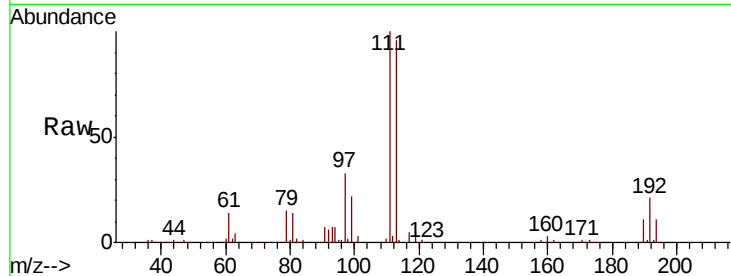
#35
Dibromofluoromethane
Concen: 50.61 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	81.0	121.6	
192	22.5	17.6	26.4	

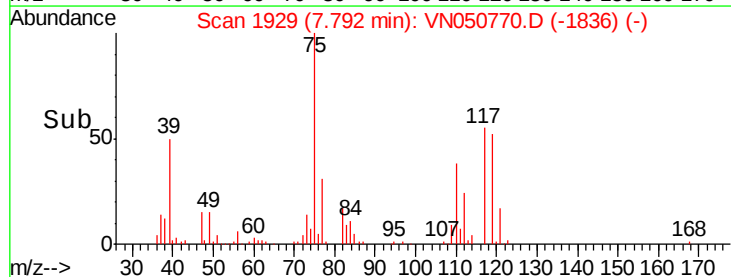
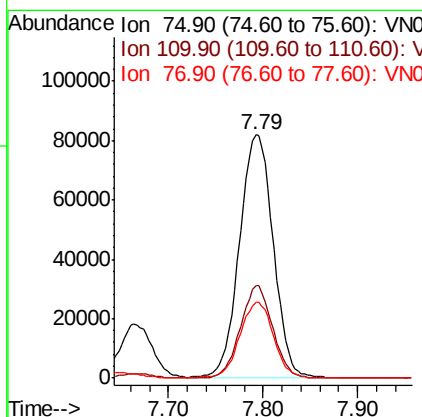
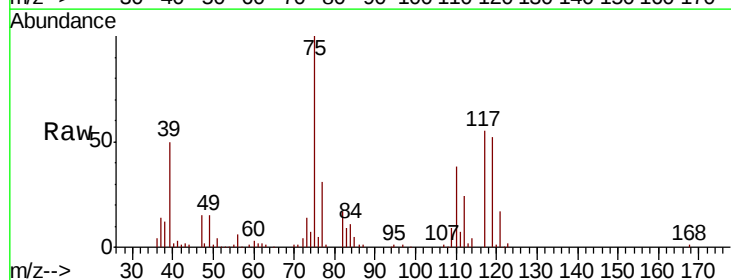
Manual Integrations
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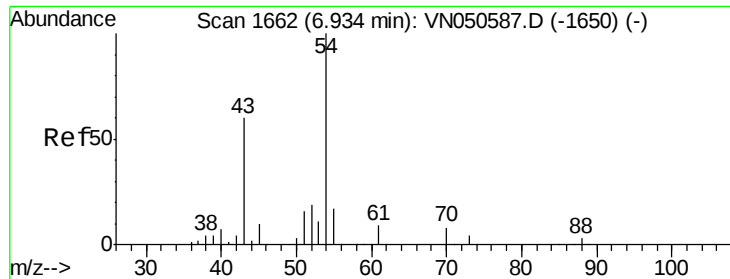
MMDadoda
8/21/2018 2:13:14 PM



#36
1,1-Dichloropropene
Concen: 19.25 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.3	54.9	
77	31.4	25.0	37.4	





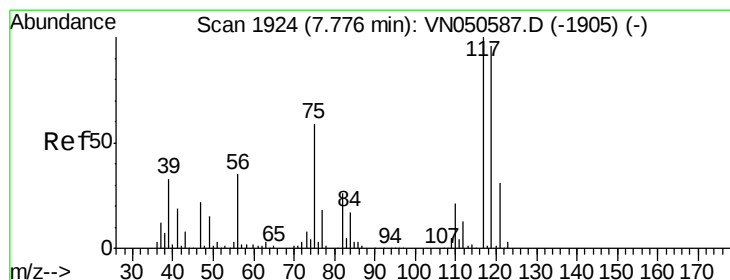
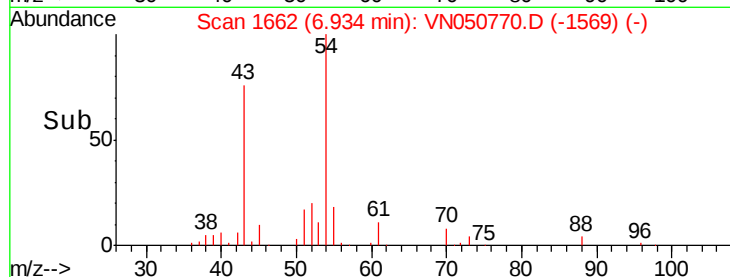
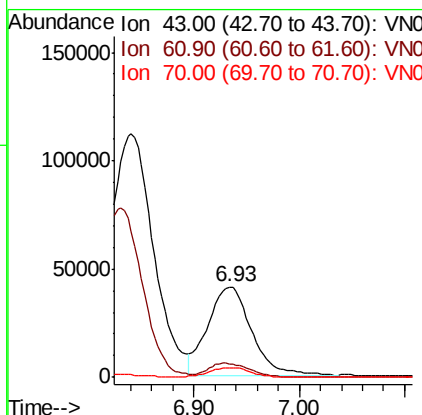
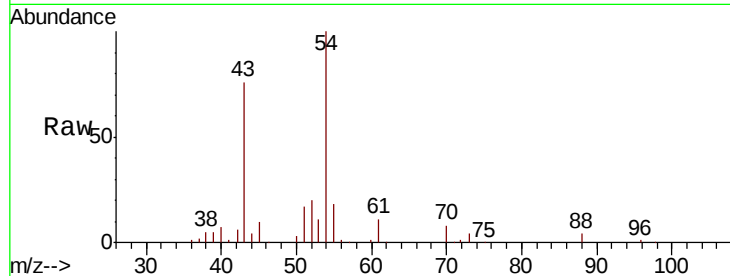
#37
Ethyl Acetate
Concen: 19.99 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.0	18.0
70	10.5	8.5	12.7

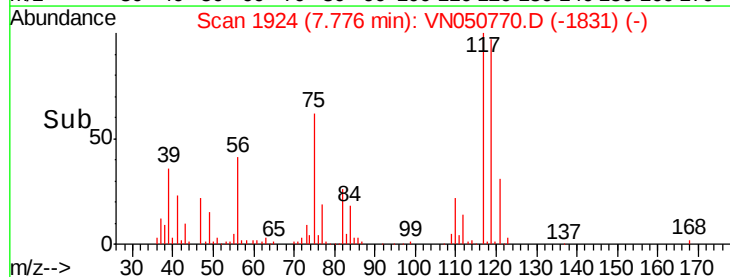
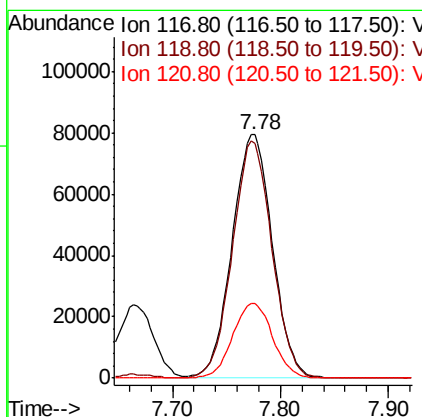
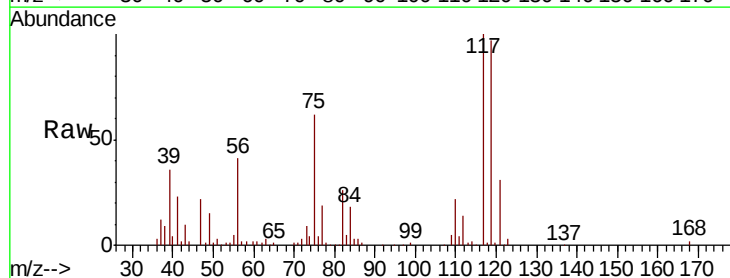
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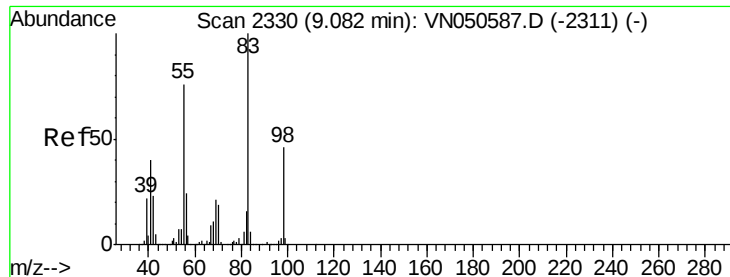
MMDadoda
8/21/2018 2:13:14 PM



#38
Carbon Tetrachloride
Concen: 18.84 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.5	25.0	37.6





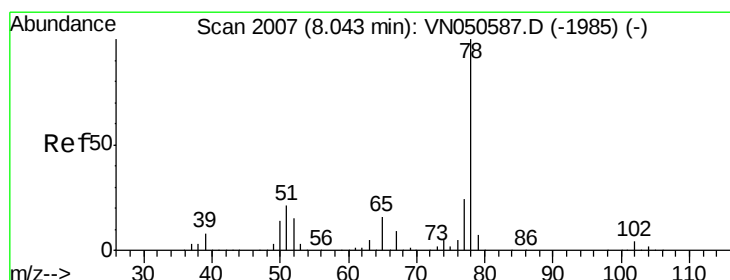
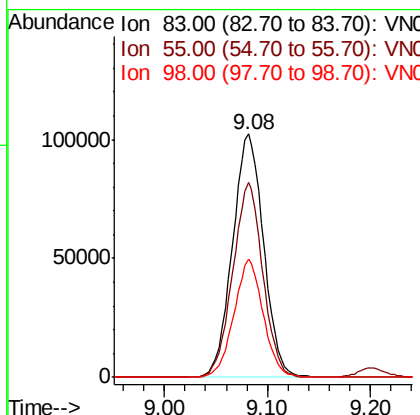
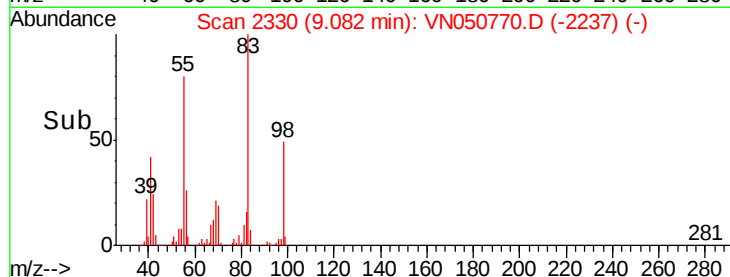
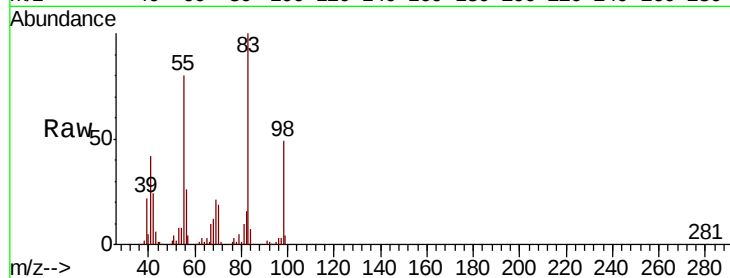
#39
Methylcyclohexane
Concen: 19.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.6	91.0
98	48.7	37.0	55.4

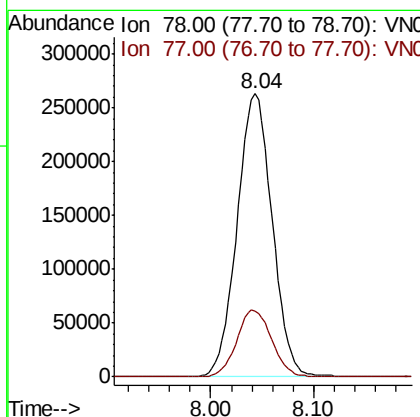
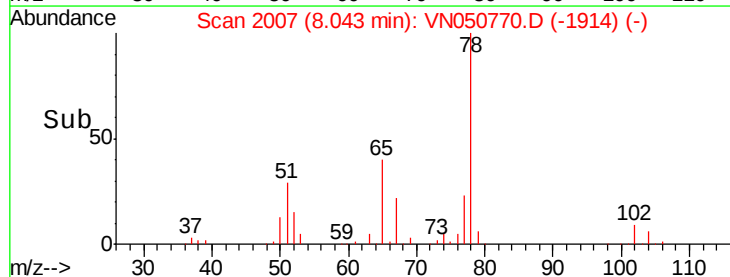
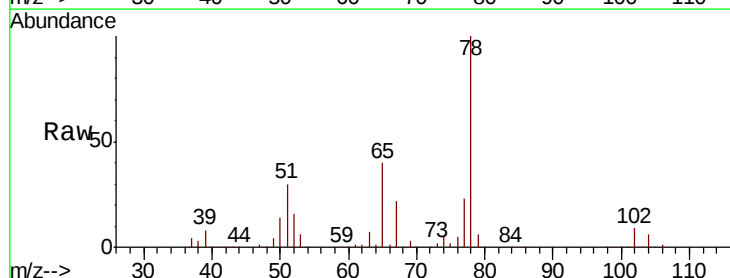
Manual Integrations
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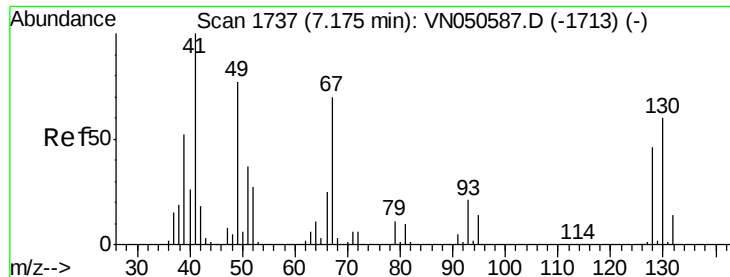
MMDadoda
8/21/2018 2:13:14 PM



#40
Benzene
Concen: 19.43 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





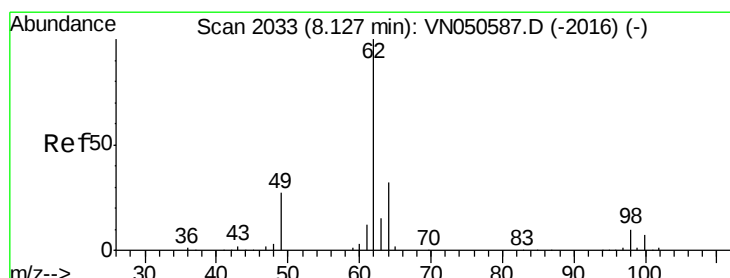
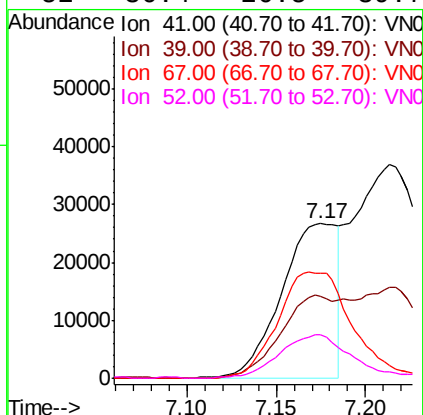
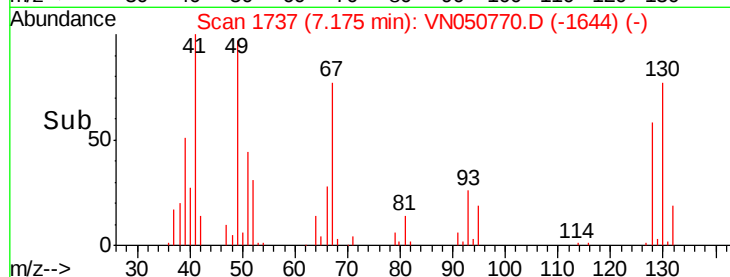
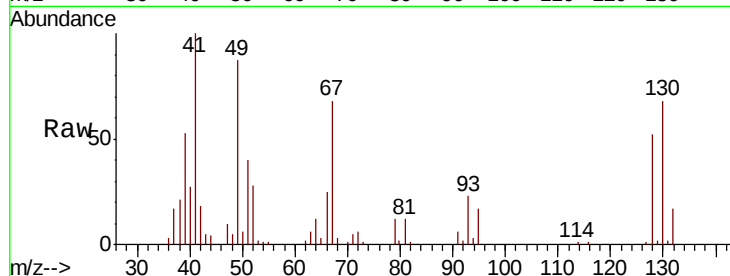
#41
Methacrylonitrile
Concen: 18.12 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion:	41	Resp:	58291
Ion	Ratio	Lower	Upper
41	100		
39	48.7	44.6	66.8
67	91.4	66.7	100.1
52	36.4	26.5	39.7

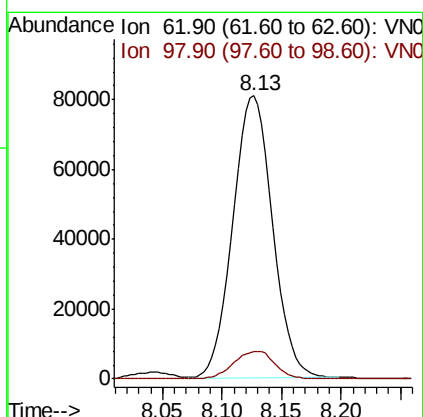
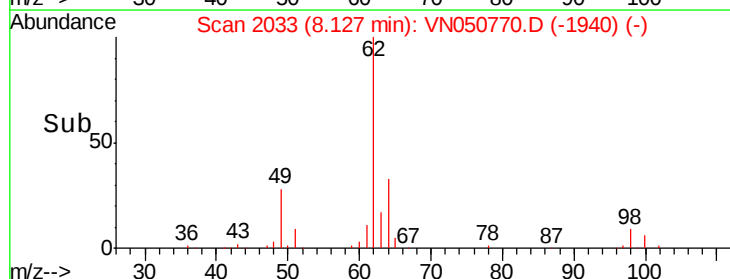
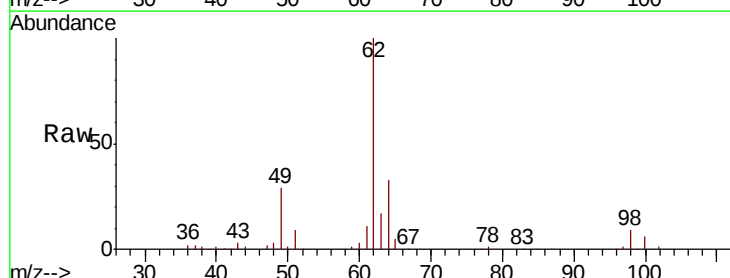
Manual Integrations
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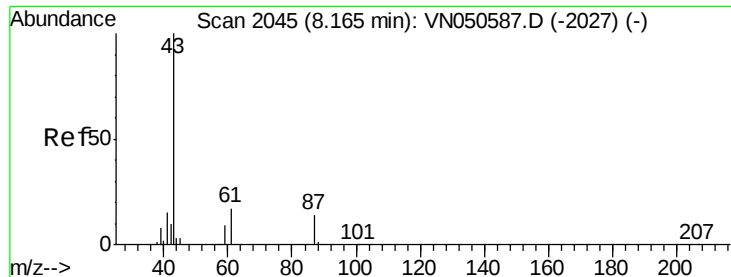
MMDadoda
8/21/2018 2:13:14 PM



#42
1,2-Dichloroethane
Concen: 19.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion:	62	Resp:	187615
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





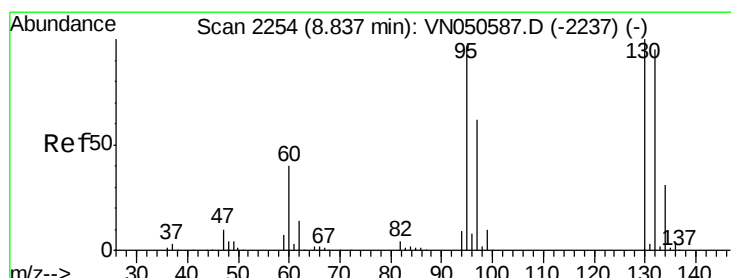
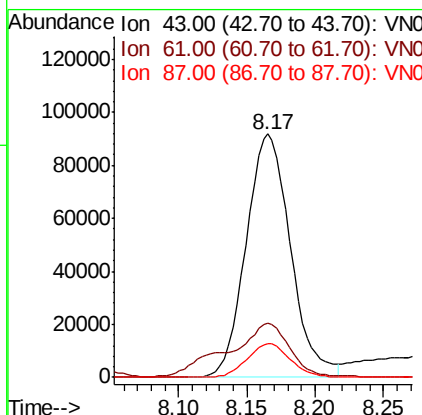
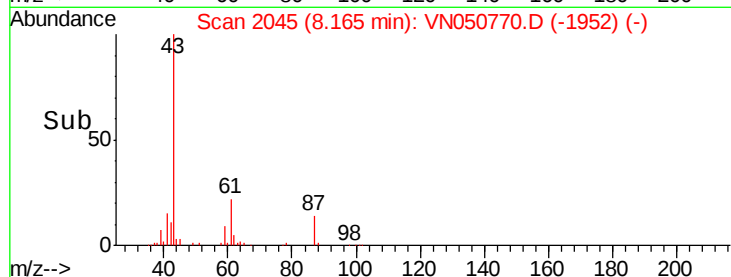
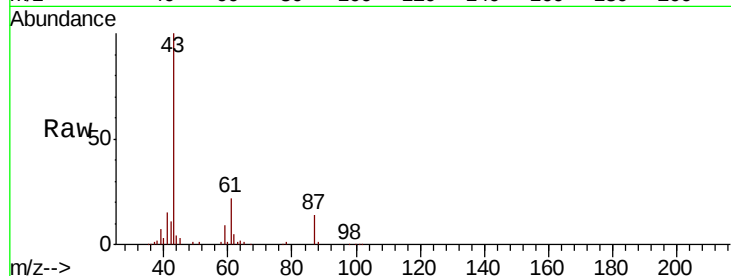
#43
Isopropyl Acetate
Concen: 19.07 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	16.2	24.2#
87	13.4	10.9	16.3

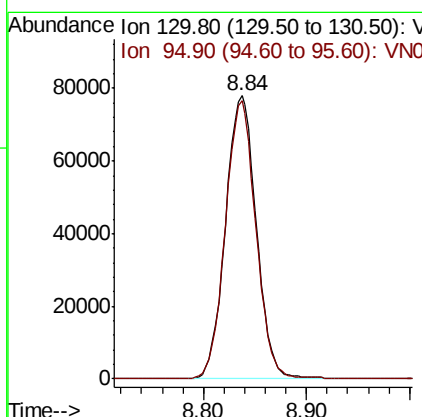
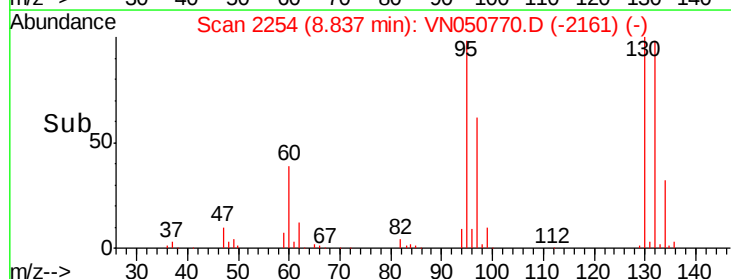
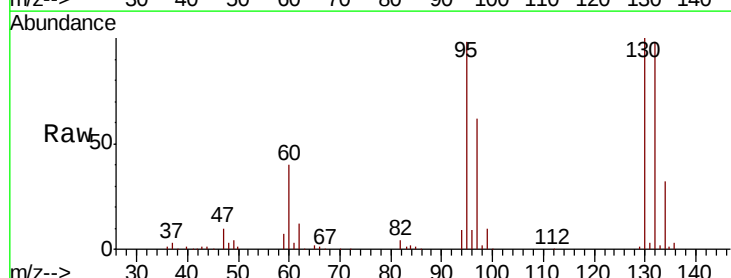
Manual Integrations
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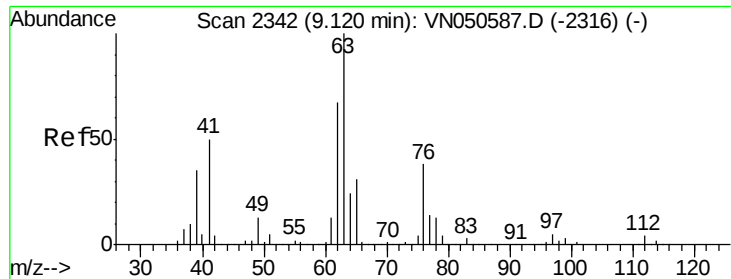
MMDadoda
8/21/2018 2:13:14 PM



#44
Trichloroethene
Concen: 18.93 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	193.8





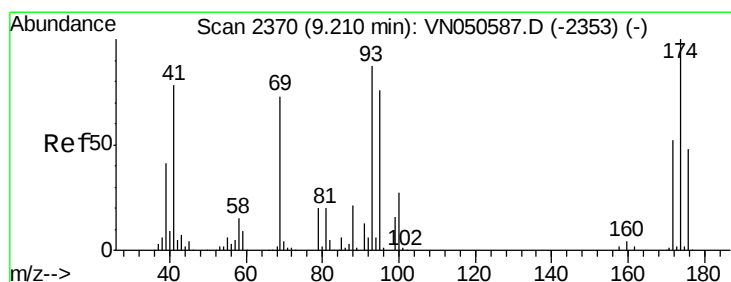
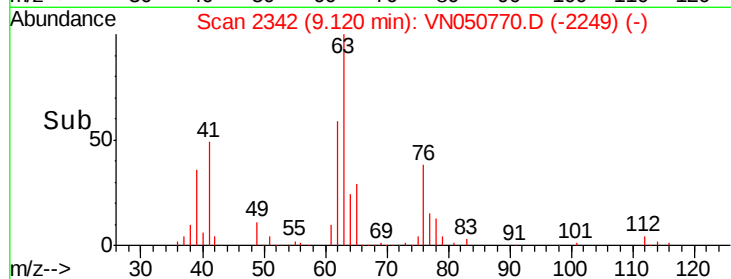
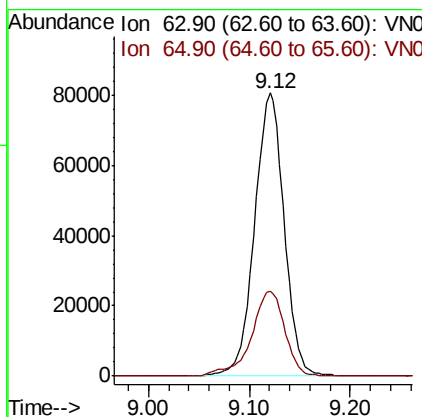
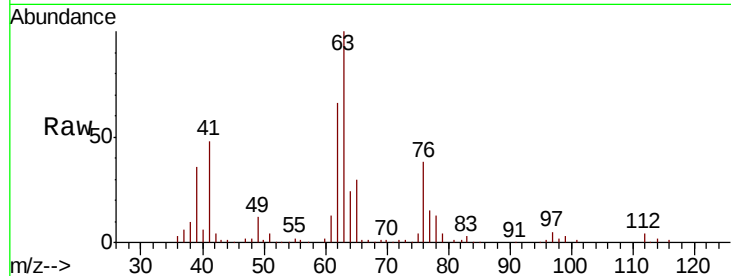
#45
 1,2-Dichloropropane
 Concen: 19.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.5	36.7

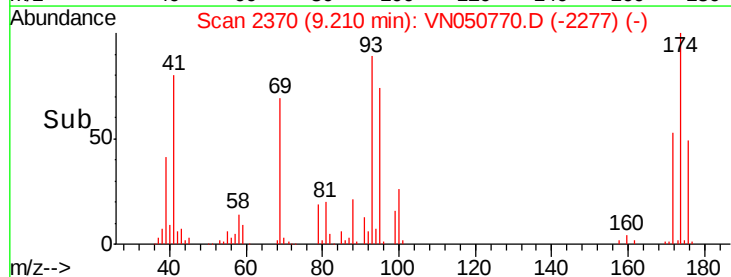
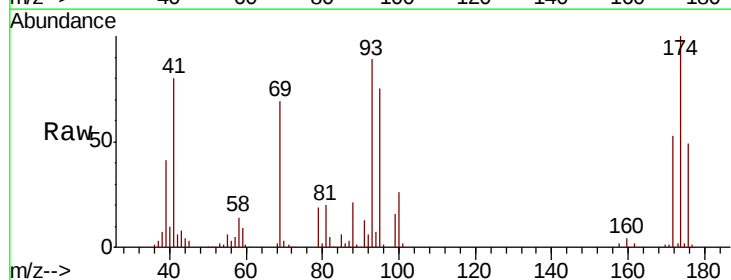
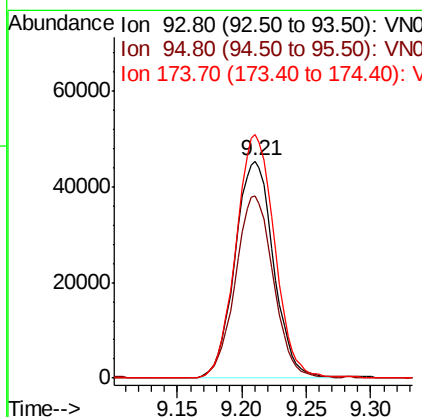
Manual Integrations
 APPROVED

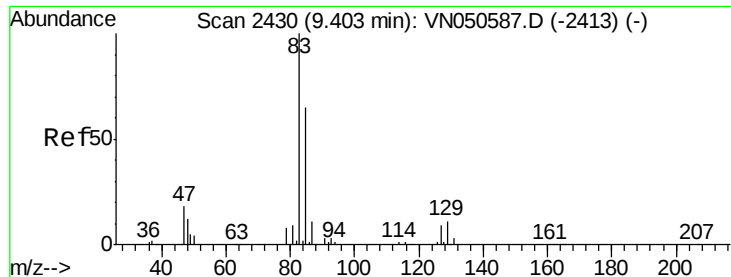
MMDadoda
 8/21/2018 2:13:14 PM



#46
 Dibromomethane
 Concen: 18.80 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	69.1	103.7
174	112.0	91.0	136.6





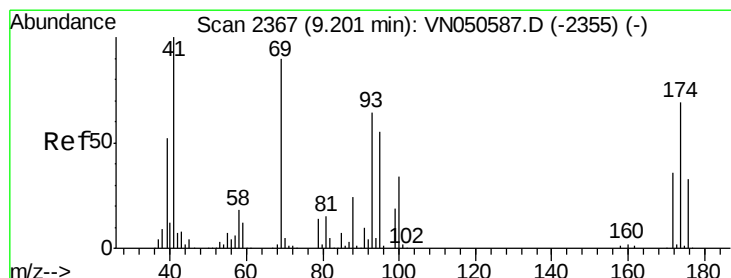
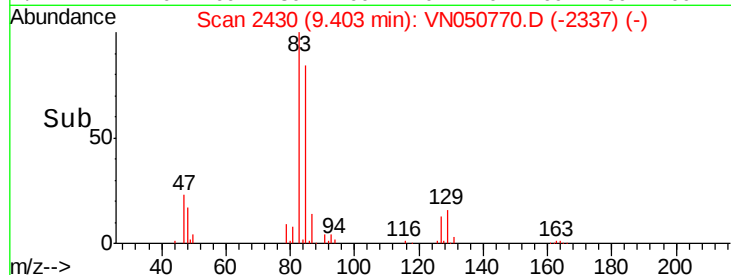
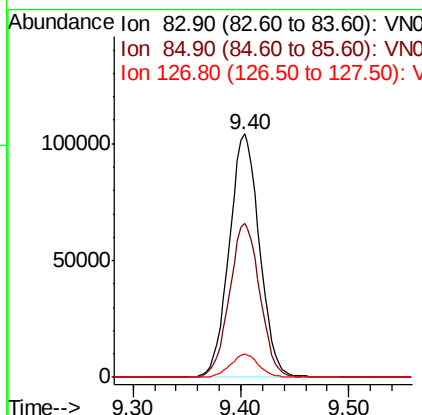
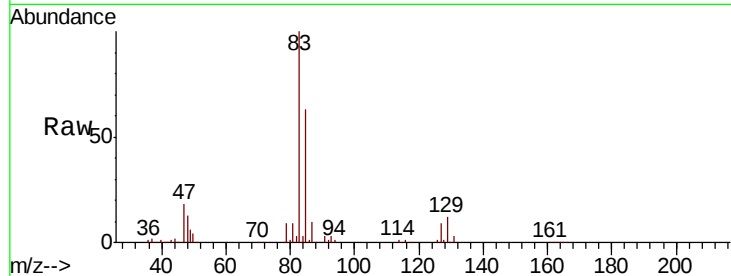
#47
Bromodichloromethane
Concen: 18.95 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	51.8	77.6	
127	9.5	7.2	10.8	

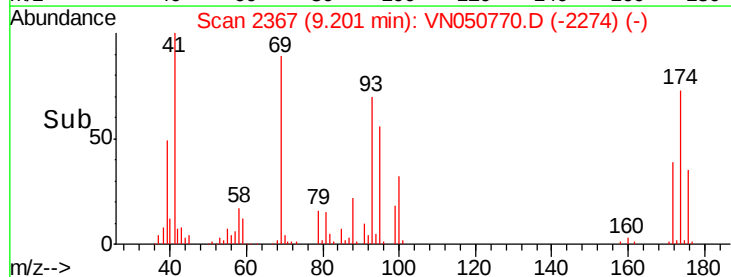
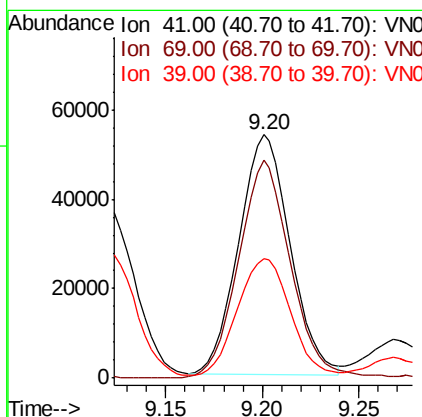
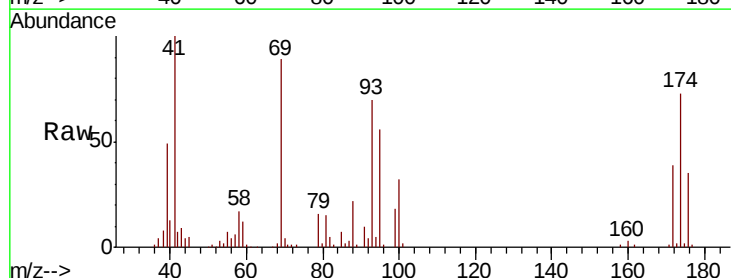
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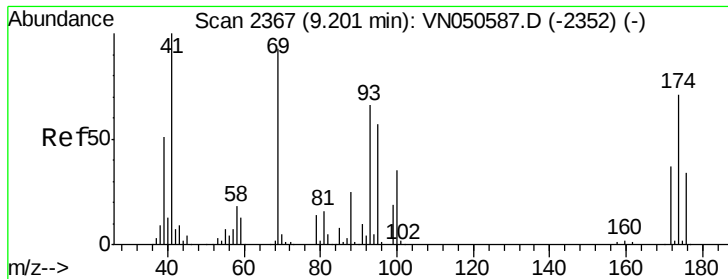
MMDadoda
8/21/2018 2:13:14 PM



#48
Methyl methacrylate
Concen: 18.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.6	73.4	110.0	
39	52.2	43.0	64.6	





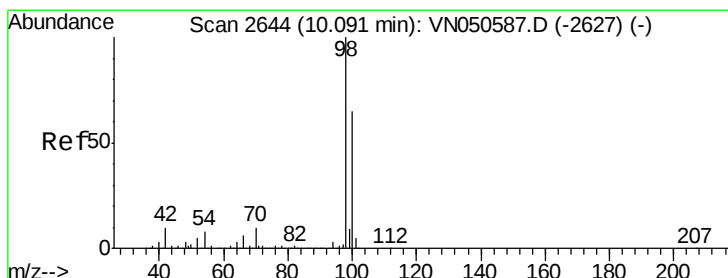
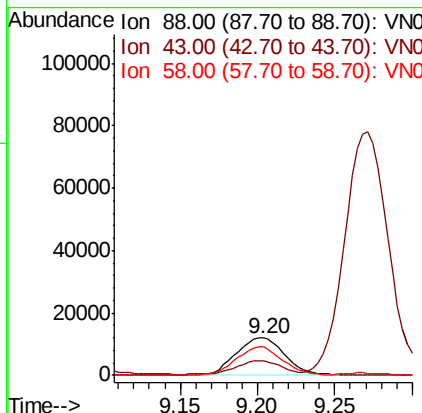
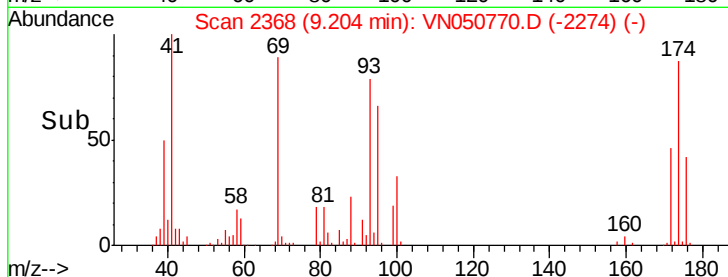
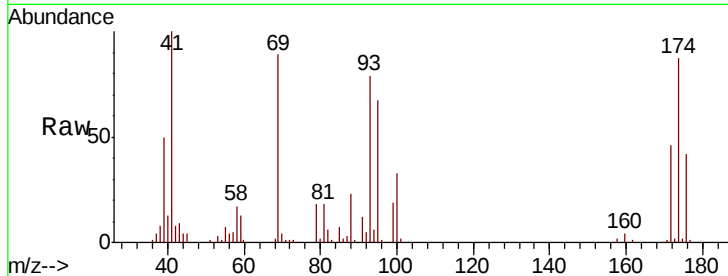
#49
1,4-Dioxane
Concen: 366.14 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	25.9	38.9
58	72.0	56.5	84.7

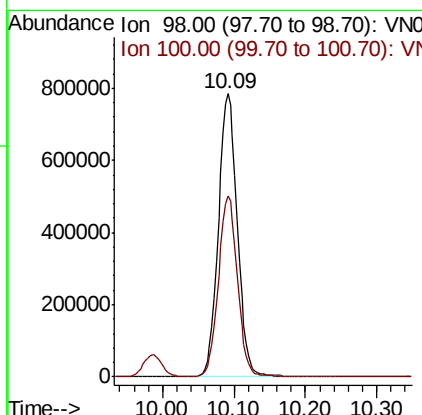
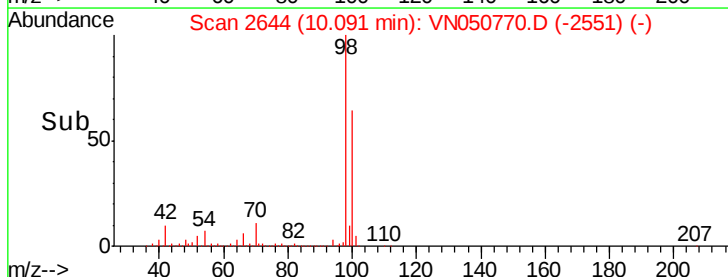
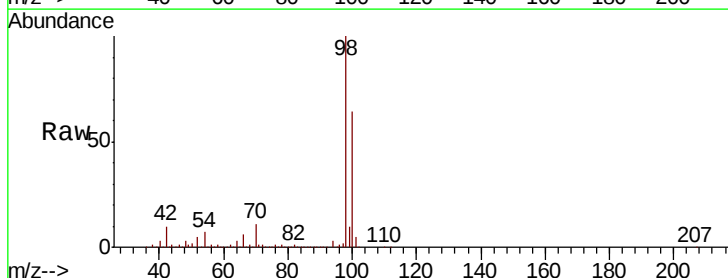
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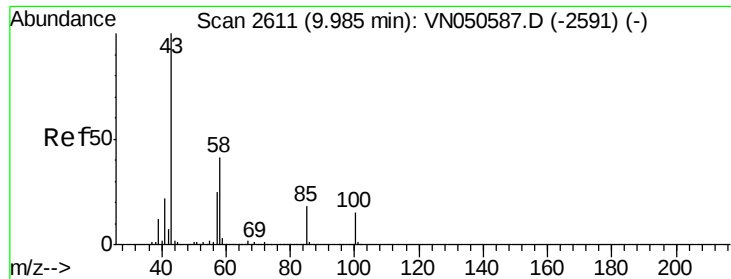
MMDadoda
8/21/2018 2:13:14 PM



#50
Toluene-d8
Concen: 50.77 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8





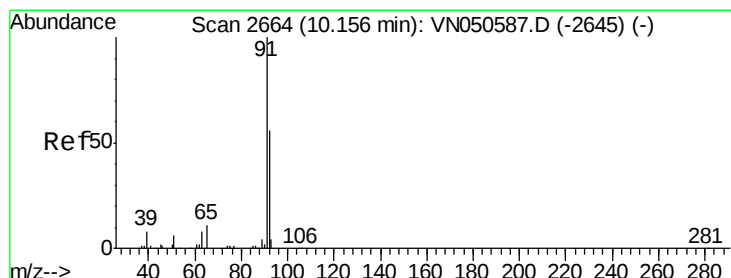
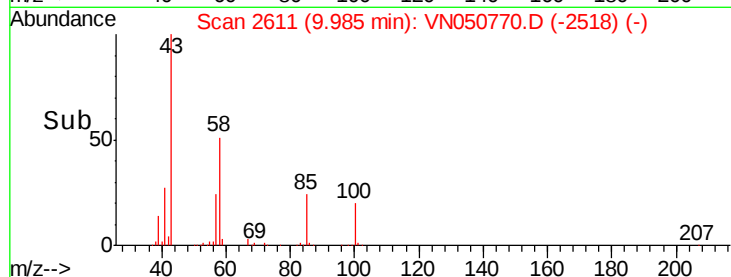
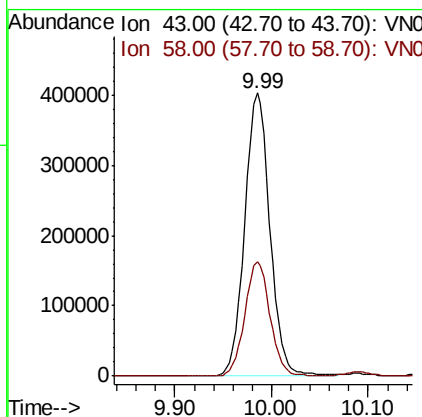
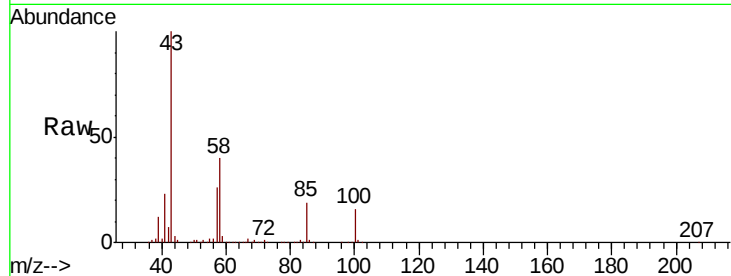
#51
4-Methyl-2-Pentanone
Concen: 99.13 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.5	48.7

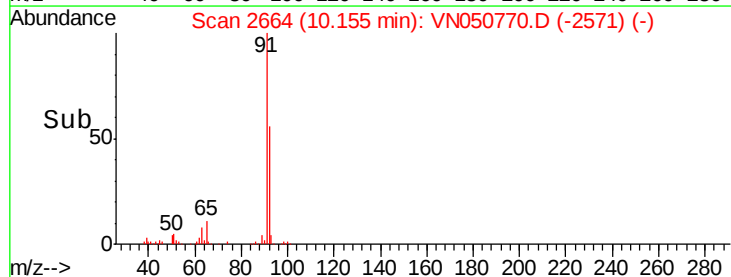
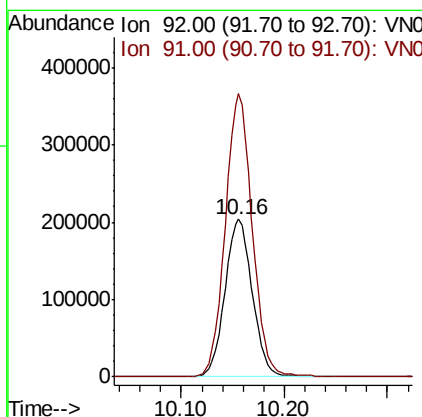
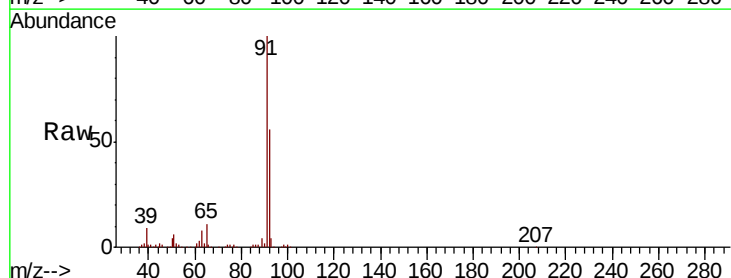
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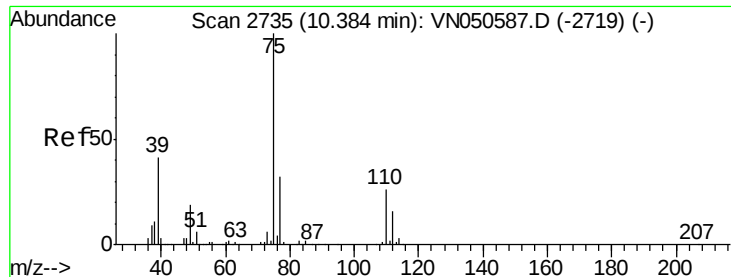
MMDadoda
8/21/2018 2:13:14 PM



#52
Toluene
Concen: 19.72 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.2	141.9	212.9





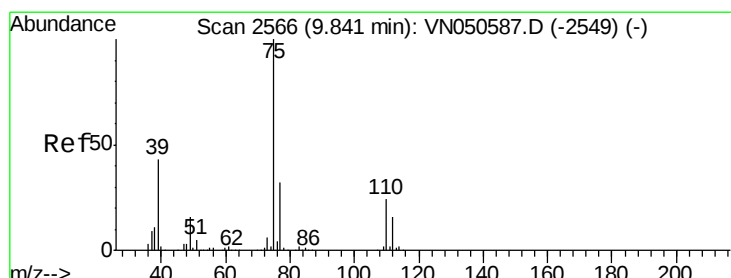
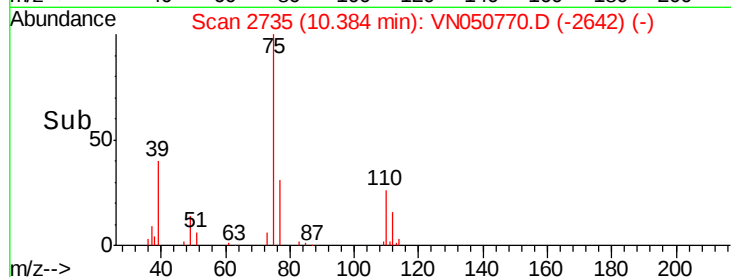
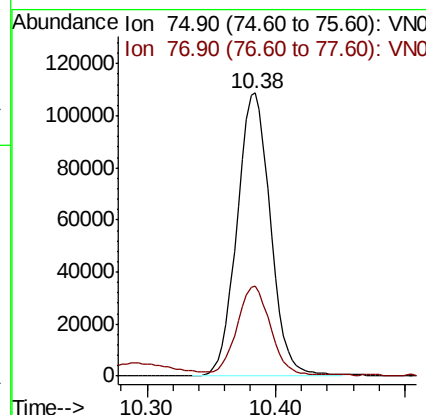
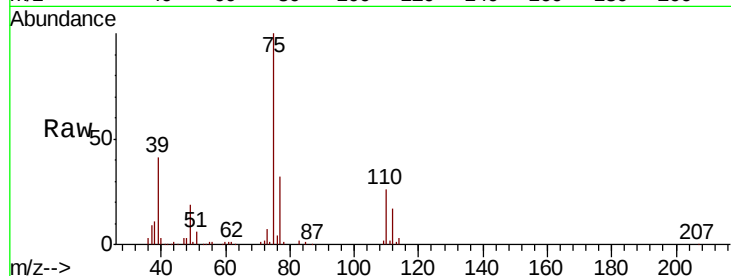
#53
t-1,3-Dichloropropene
Concen: 19.56 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6

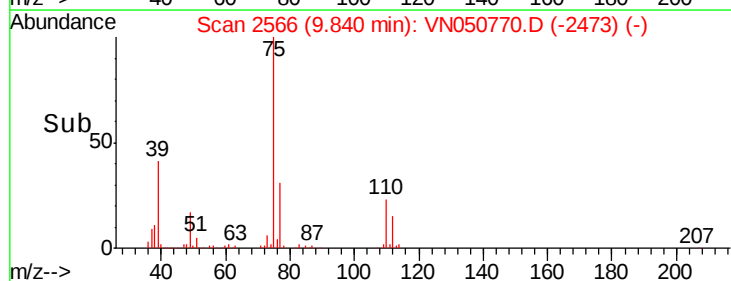
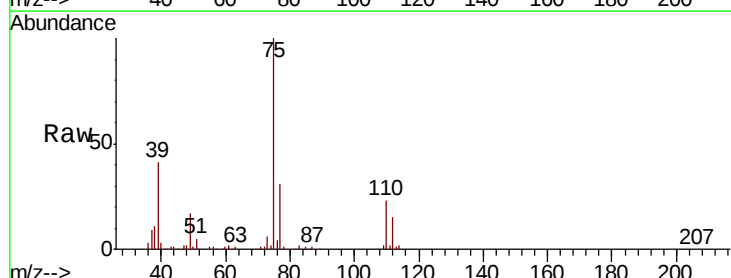
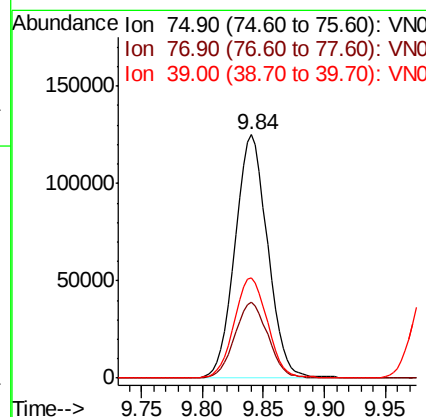
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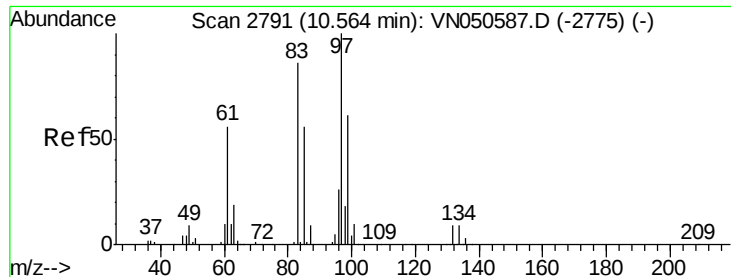
MMDadoda
8/21/2018 2:13:14 PM



#54
cis-1,3-Dichloropropene
Concen: 20.27 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	41.0	34.4	51.6





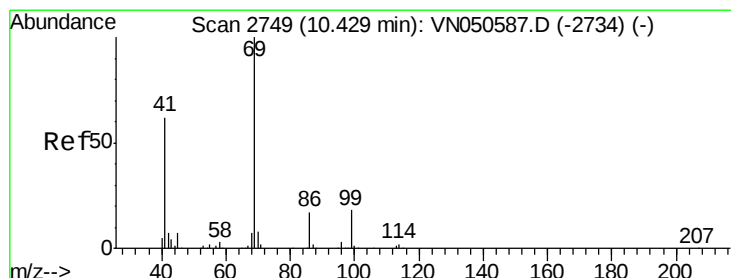
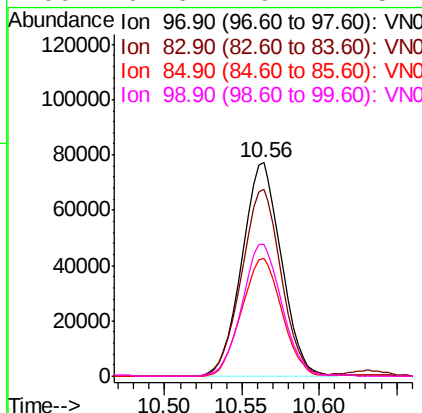
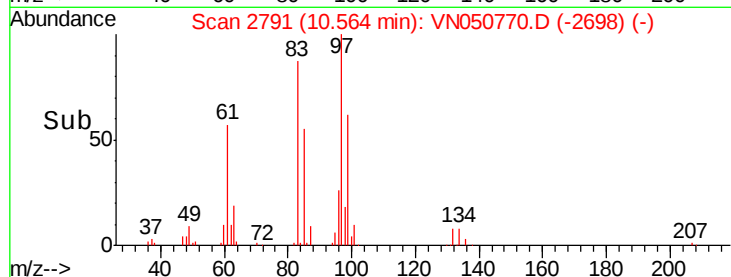
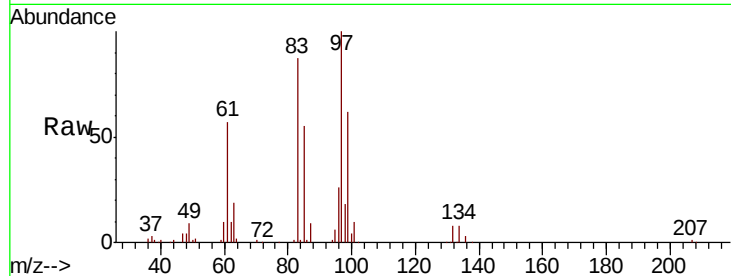
#55
 1,1,2-Trichloroethane
 Concen: 19.22 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137289		
83	87.3	68.5	102.7		
85	55.4	44.6	66.8		
99	61.6	49.1	73.7		

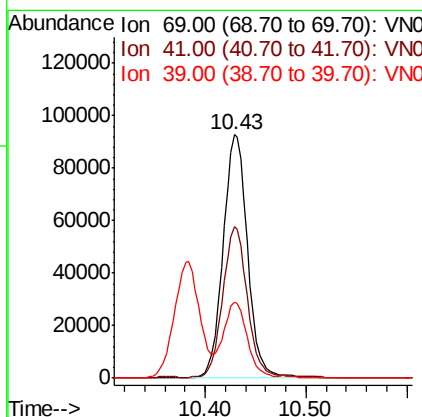
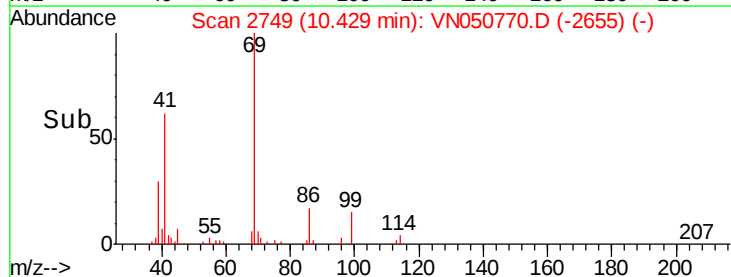
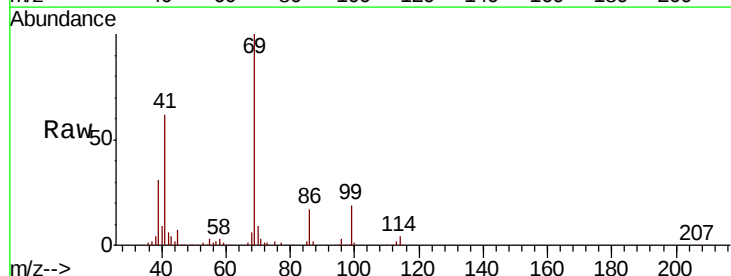
Manual Integrations
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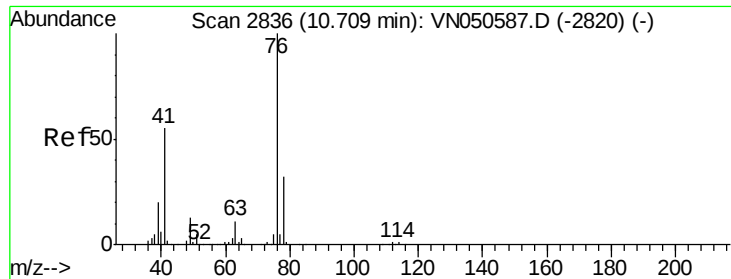
MMDadoda
 8/21/2018 2:13:14 PM



#56
 Ethyl methacrylate
 Concen: 18.56 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		157801		
41	62.1	49.7	74.5		
39	28.8	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 19.37 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 76 Resp: 226804

Ion Ratio Lower Upper

76 100

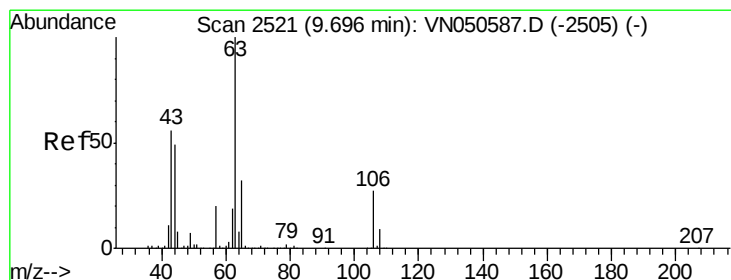
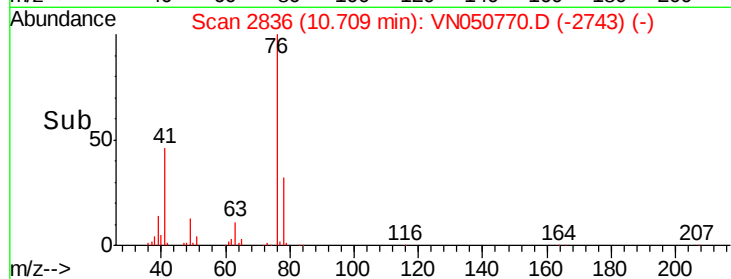
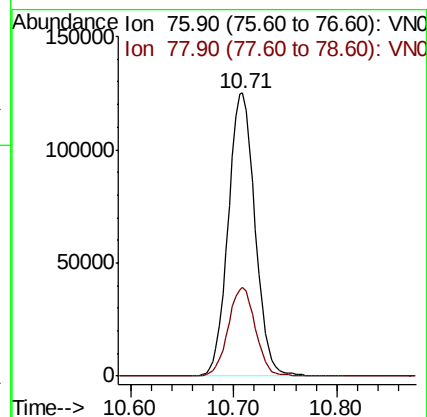
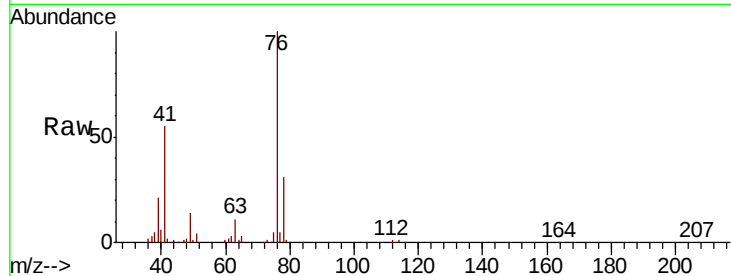
78 31.8 25.8 38.6

Manual Integrations

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MMDadoda

8/21/2018 2:13:14 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.67 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050770.D

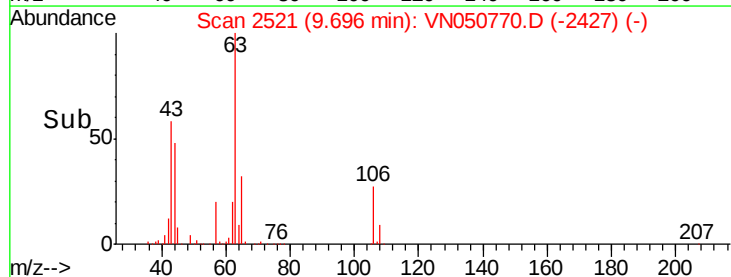
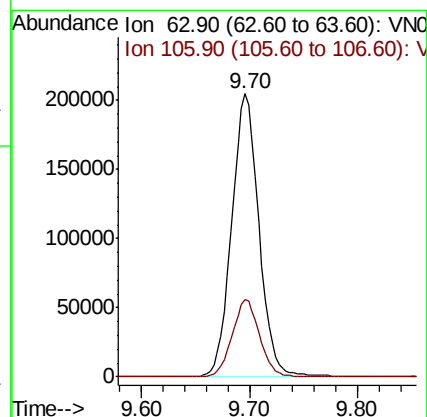
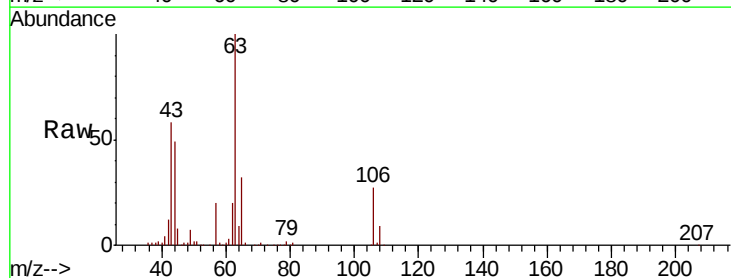
Acq: 20 Aug 2018 13:32

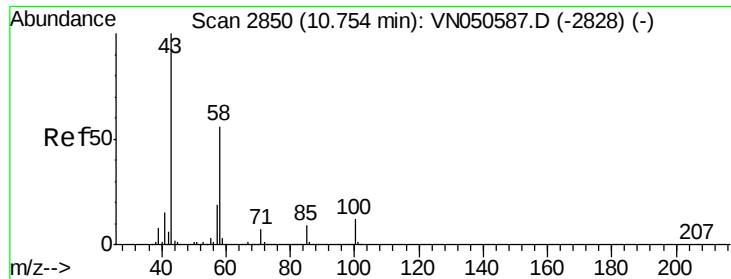
Tgt Ion: 63 Resp: 360956

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5





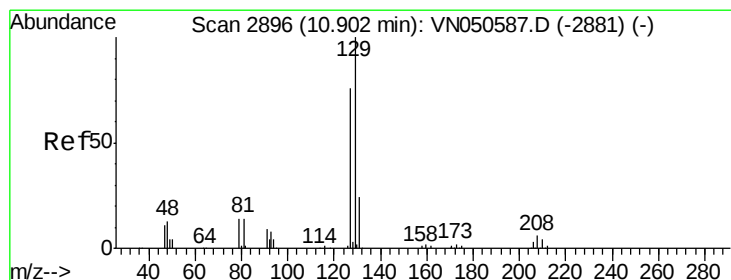
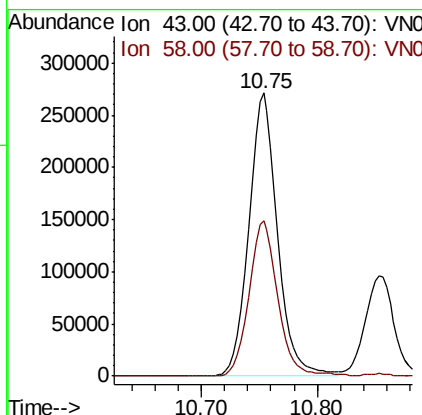
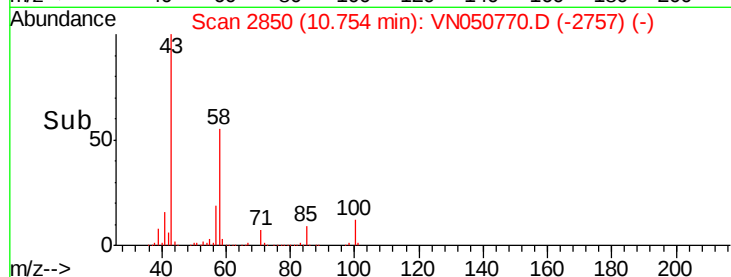
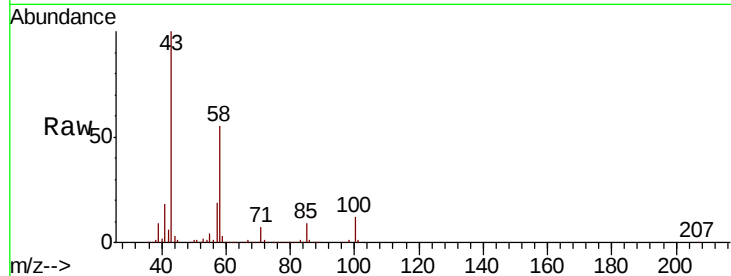
#59
2-Hexanone
Concen: 98.55 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	43	Resp	466470
Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.0	84.0

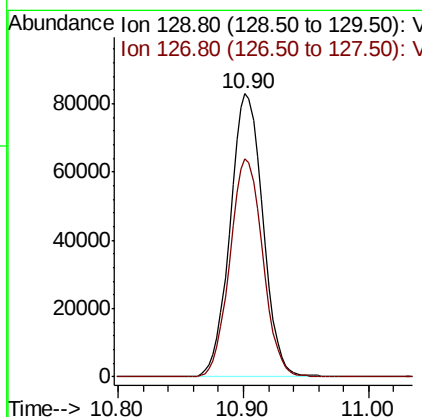
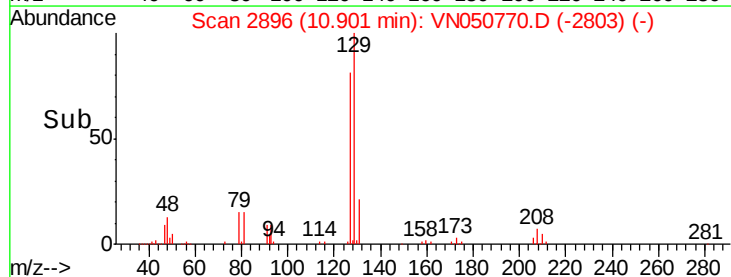
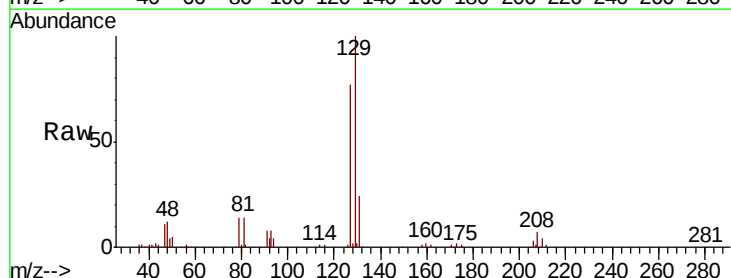
Manual Integrations
APPROVED

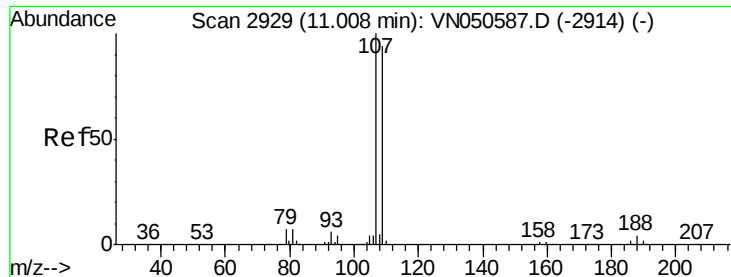
MMDadoda
8/21/2018 2:13:14 PM



#60
Dibromochloromethane
Concen: 19.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	129	Resp	151076
Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.9	116.7





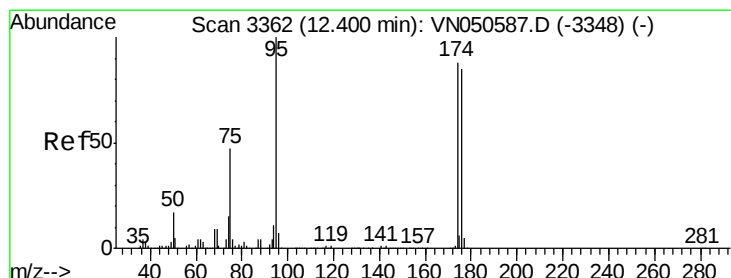
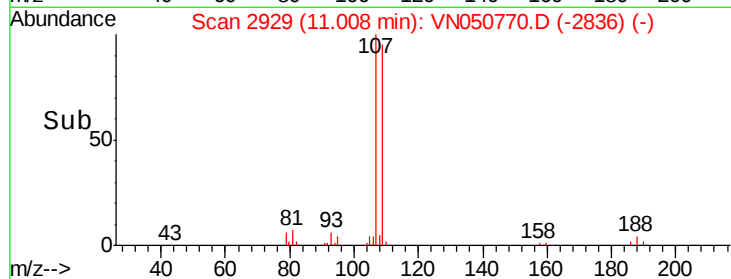
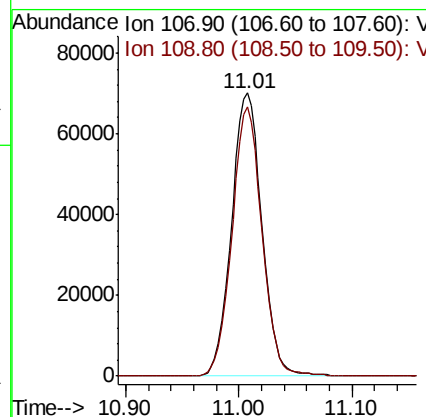
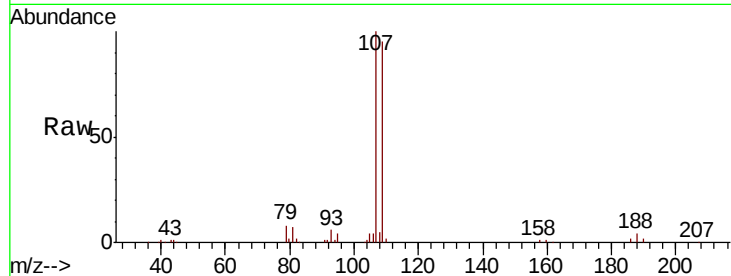
#61
 1,2-Dibromoethane
 Concen: 19.23 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

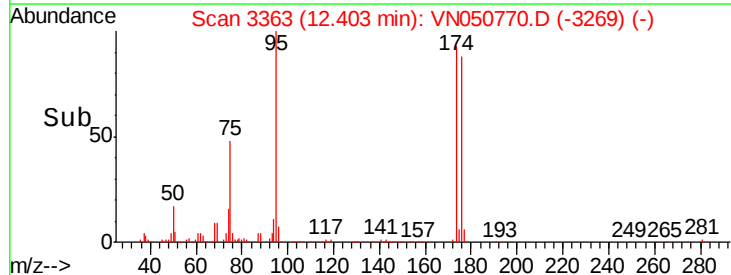
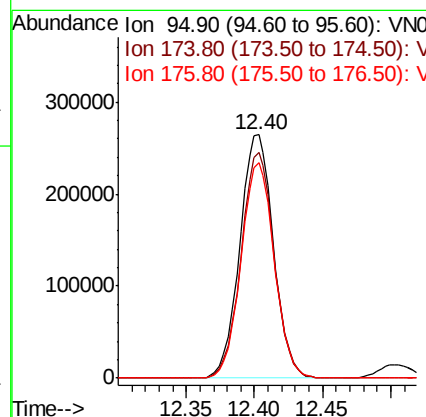
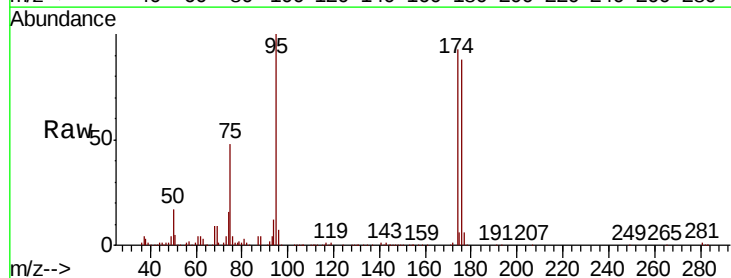
Manual Integrations
 APPROVED

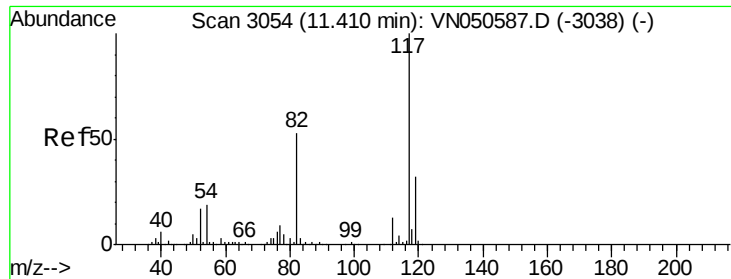
MMDadoda
 8/21/2018 2:13:14 PM



#62
 4-Bromofluorobenzene
 Concen: 48.11 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	177.8
176	87.3	0.0	175.0





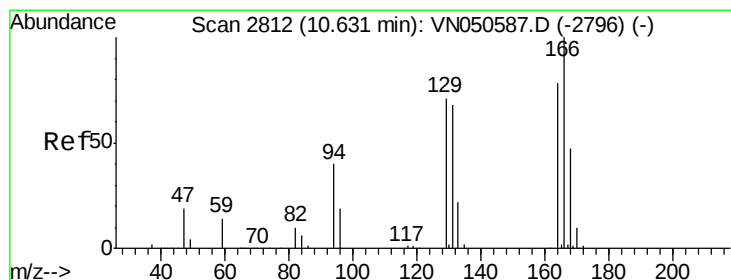
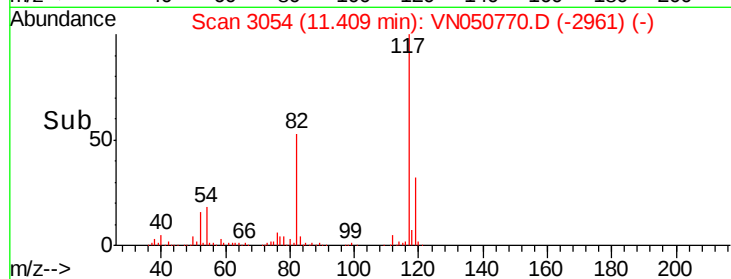
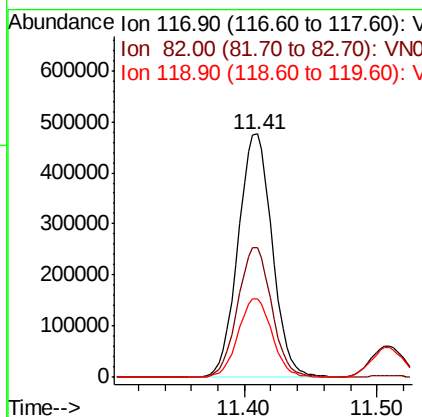
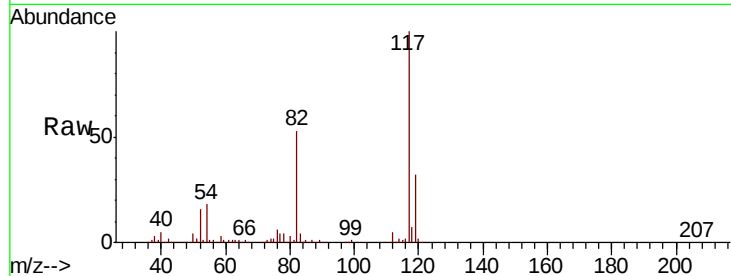
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	32.2	25.8	38.8

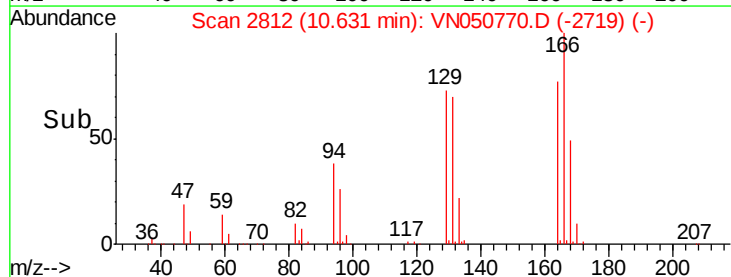
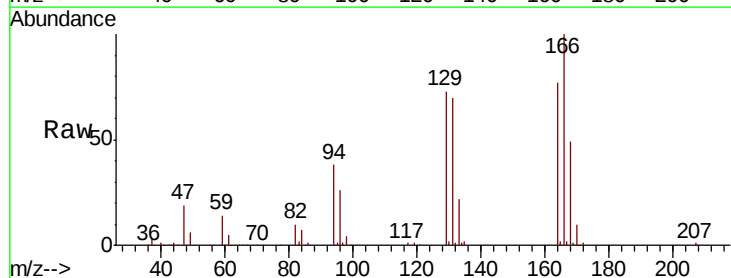
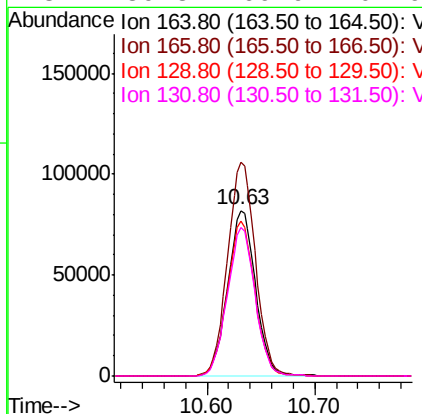
Manual Integrations
APPROVED

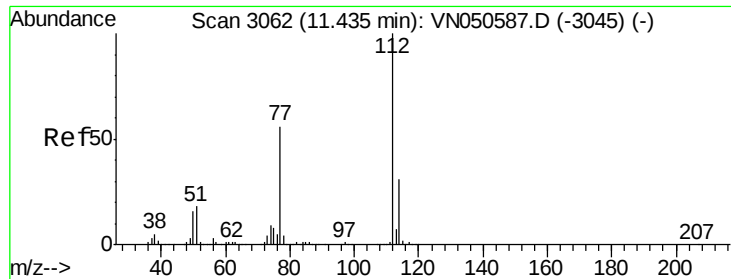
MMDadoda
8/21/2018 2:13:14 PM



#64
Tetrachloroethene
Concen: 18.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	93.7	72.7	109.1
131	89.8	69.9	104.9





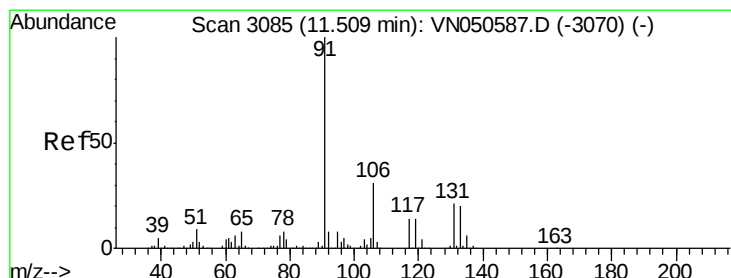
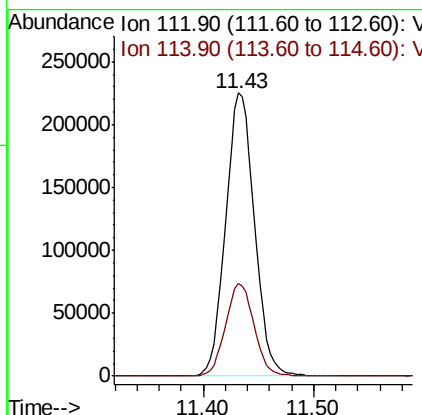
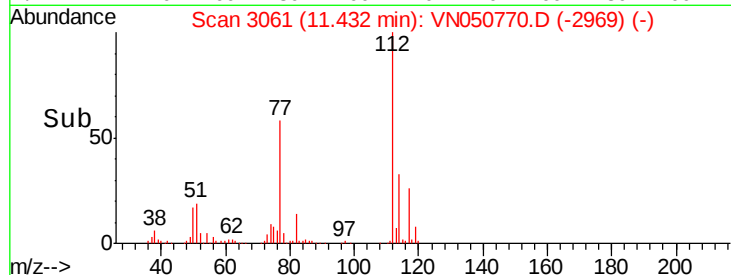
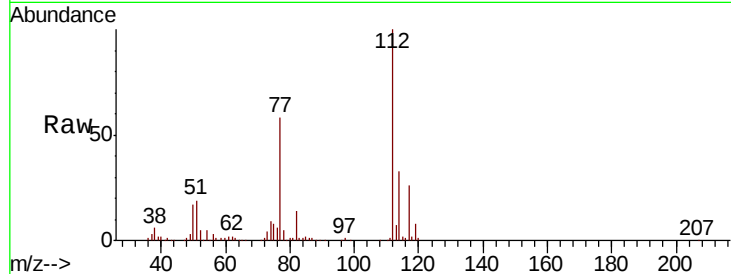
#65
Chlorobenzene
Concen: 19.23 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

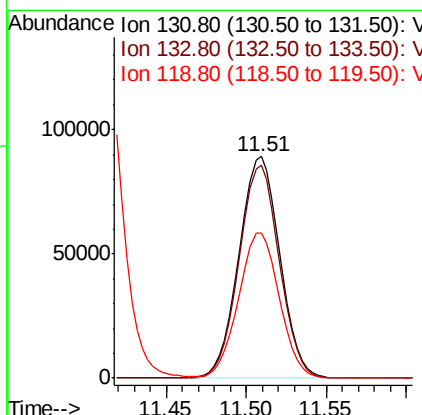
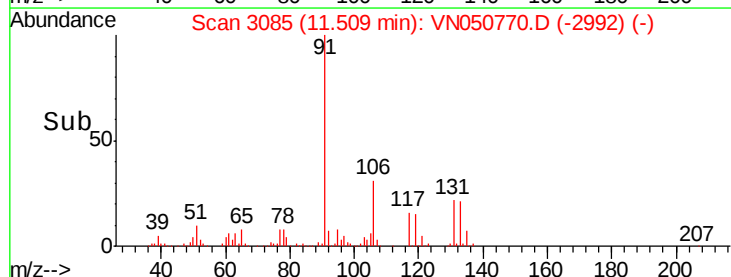
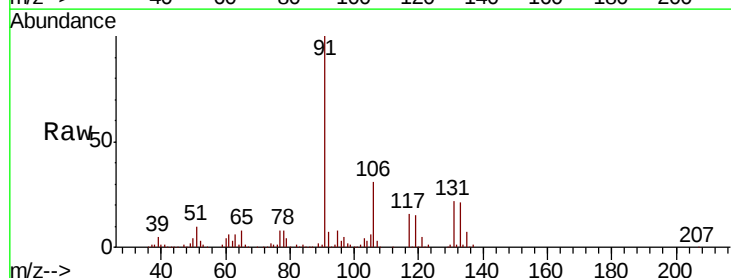
Manual Integrations
APPROVED

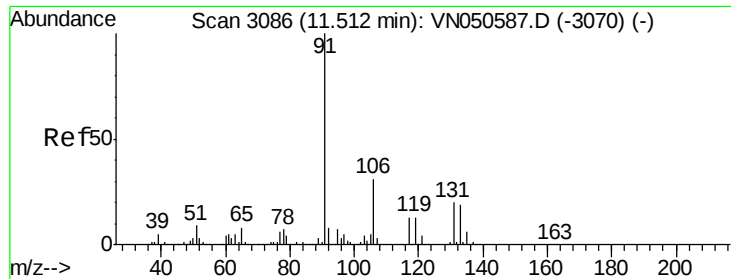
MMDadoda
8/21/2018 2:13:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.53 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.9
119	65.7	33.1	99.3





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 91 Resp: 674202

Ion Ratio Lower Upper

91 100

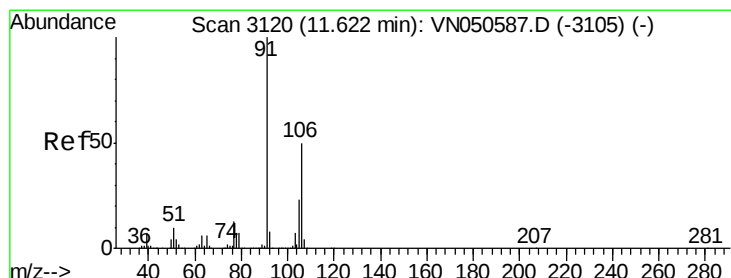
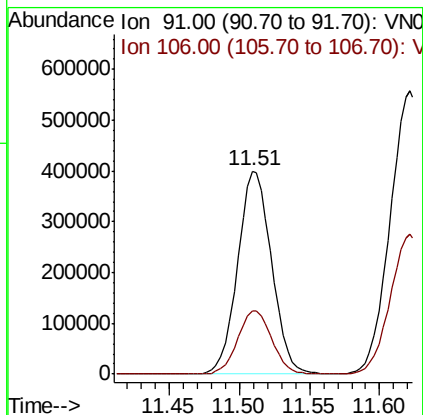
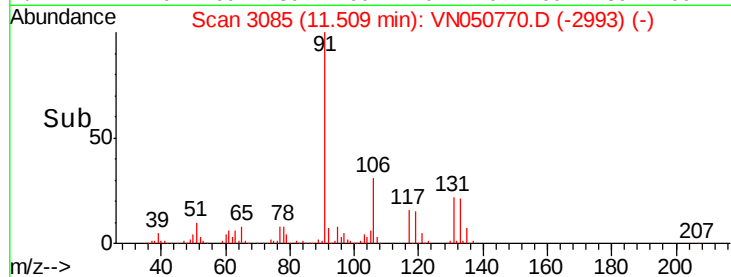
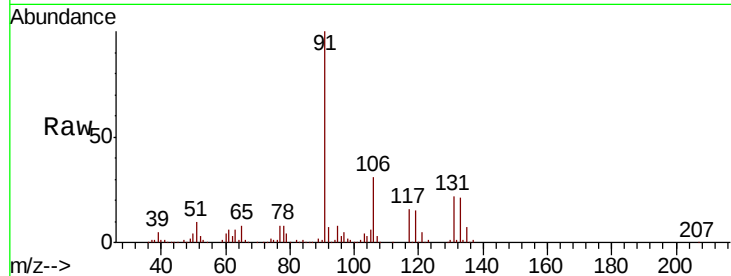
106 31.0 24.8 37.2

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 40.49 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050770.D

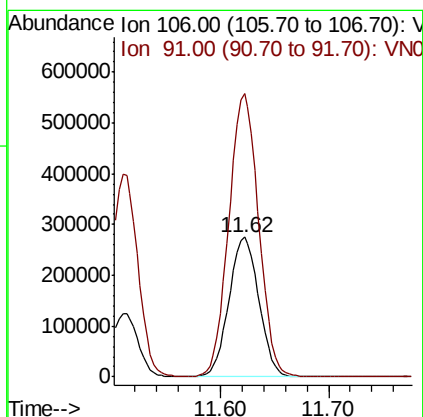
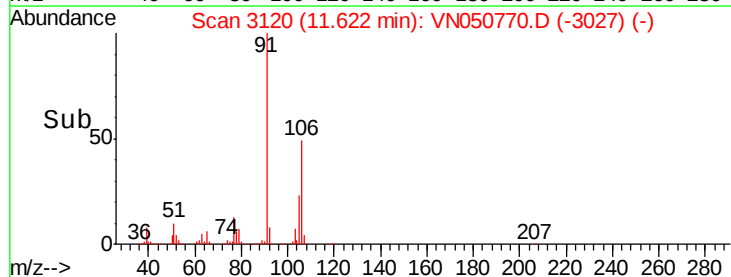
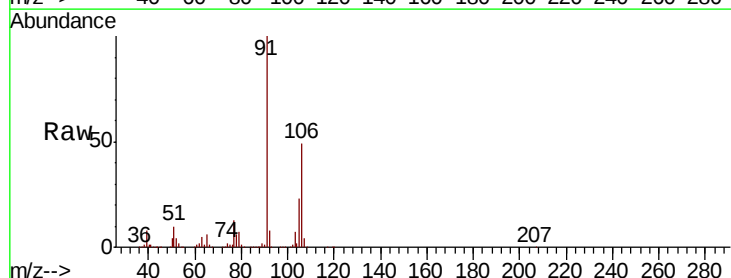
Acq: 20 Aug 2018 13:32

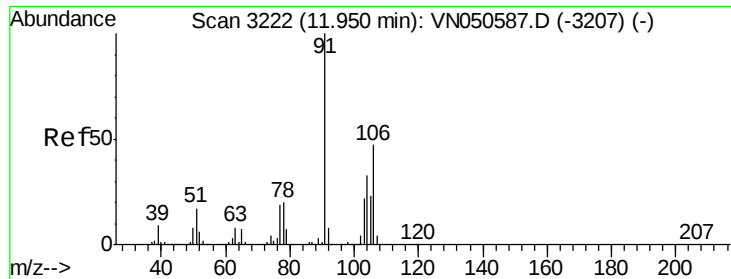
Tgt Ion: 106 Resp: 529672

Ion Ratio Lower Upper

106 100

91 201.5 161.5 242.3





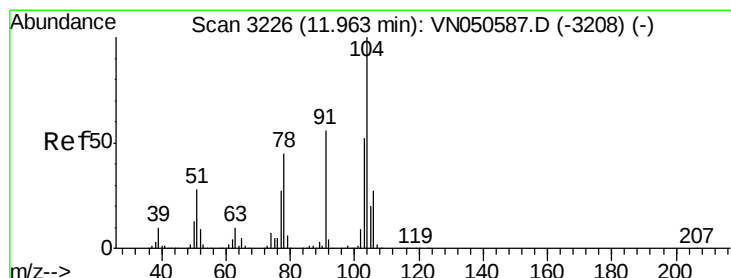
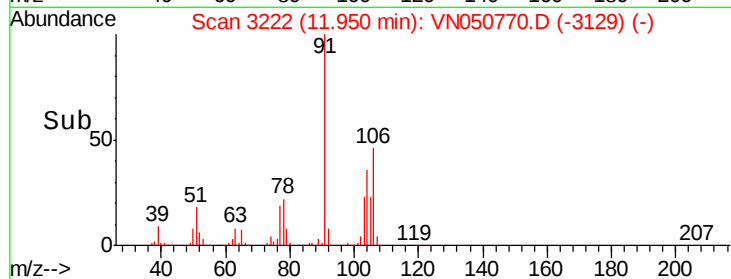
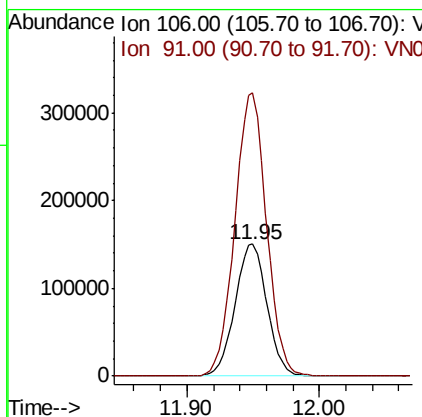
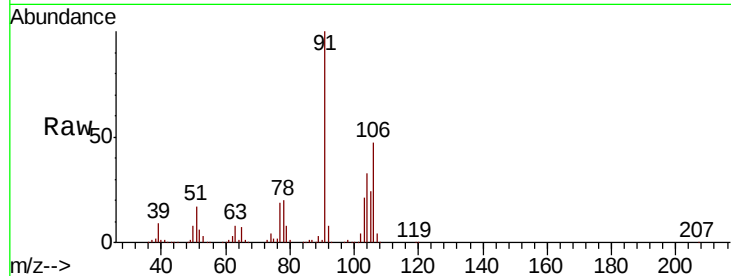
#69
o-Xylene
Concen: 20.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	250901		
91	213.0	106.8	320.4	

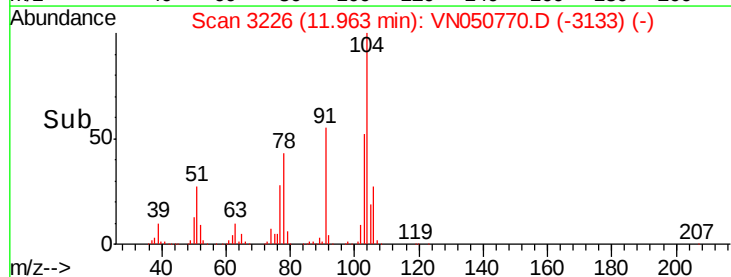
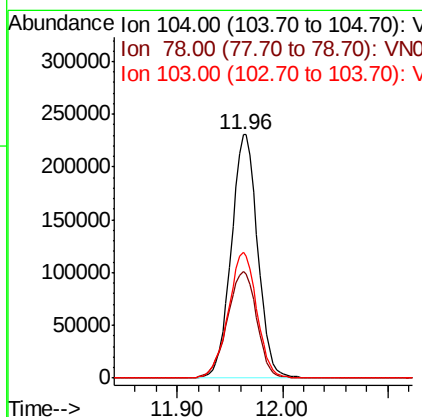
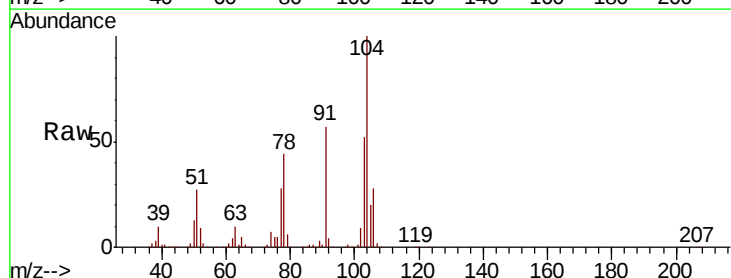
Manual Integrations
APPROVED

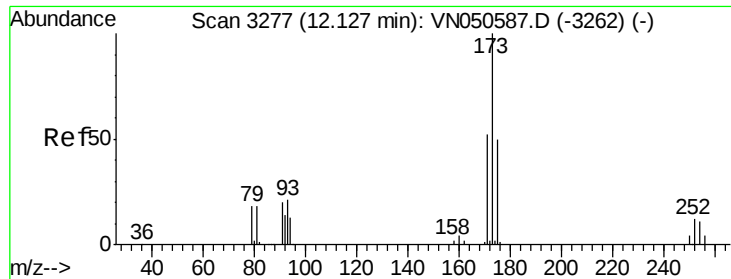
MMDadoda
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#70
Styrene
Concen: 18.59 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	398987		
78	48.8	39.1	58.7	
103	55.7	44.9	67.3	





#71

Bromoform

Concen: 19.08 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

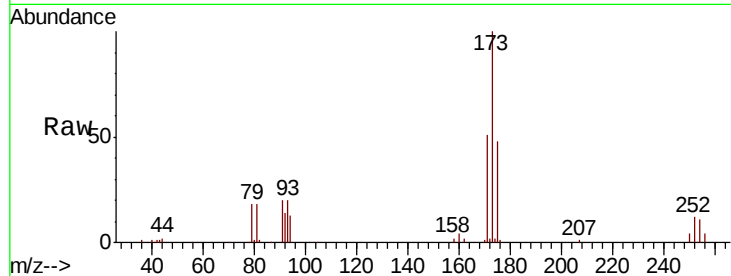
ClientSampleId :

VN0820WBS02

Tot Ion:	173	Resp:	100473
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

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8/21/2018 2:13:14 PM

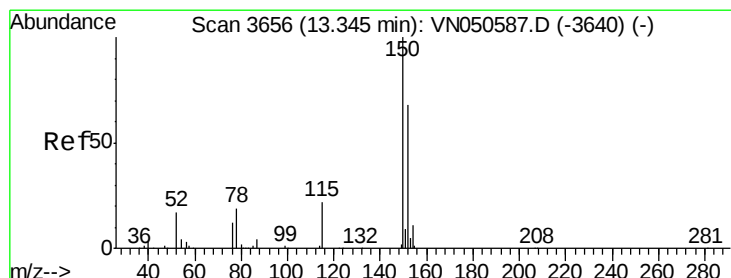
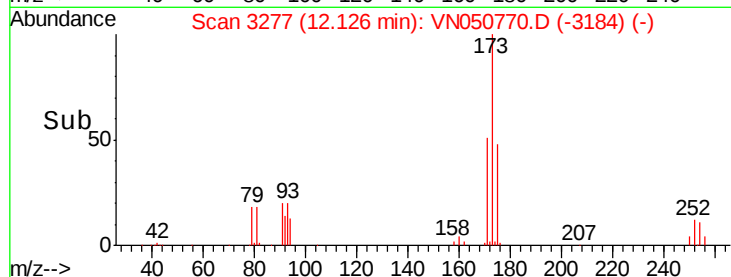
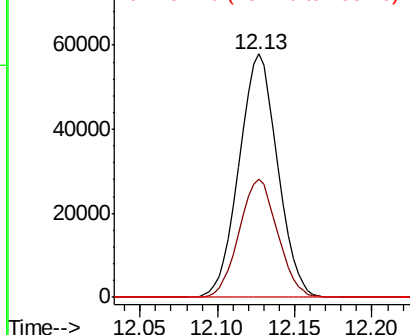


Abundance

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: 50.00 ug/l

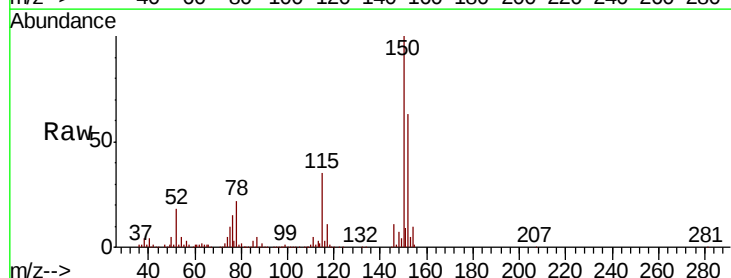
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion:	152	Resp:	407765
Ion Ratio	Lower	Upper	
152	100		
115	56.2	28.1	84.2
150	165.0	0.0	347.8

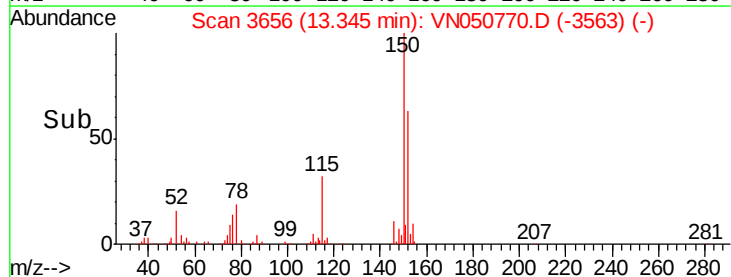
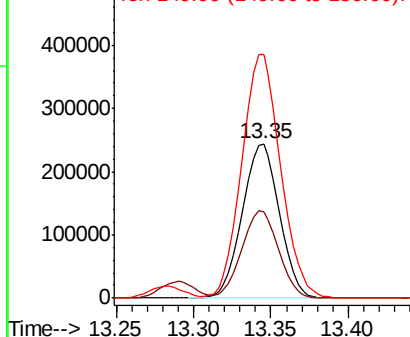


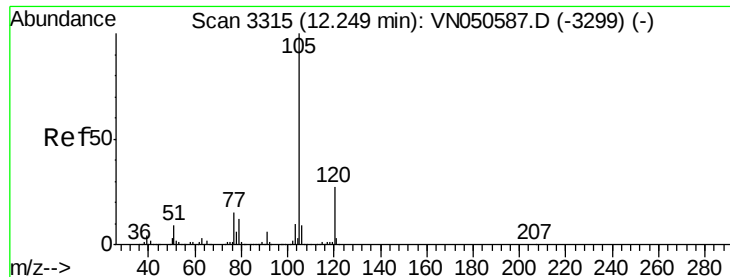
Abundance

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: 20.96 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion:105 Resp: 667618

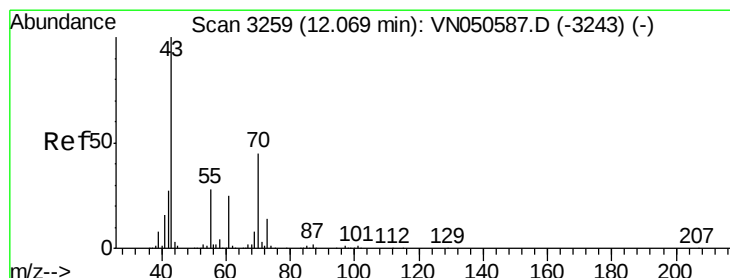
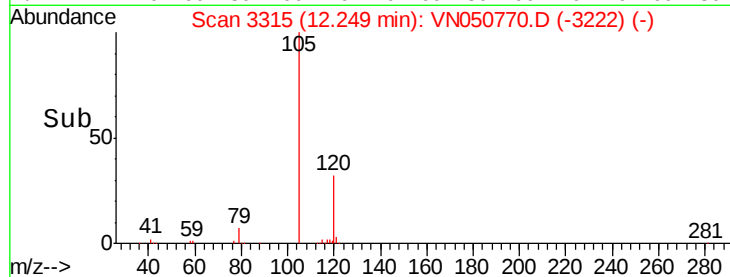
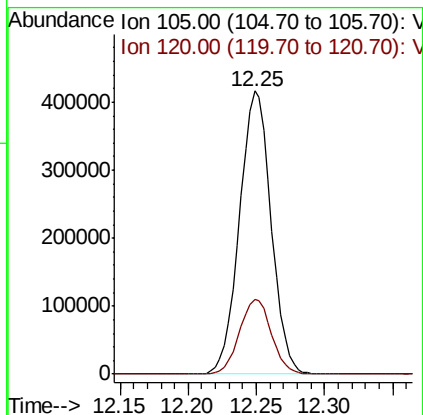
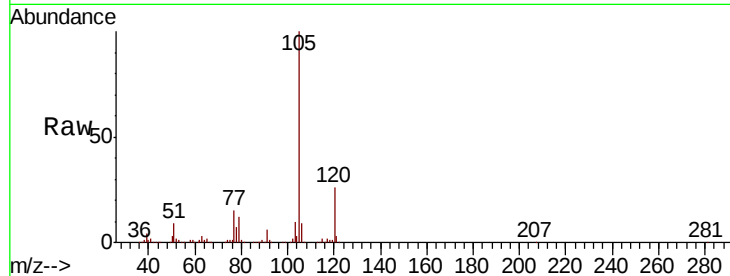
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 18.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion: 43 Resp: 154591

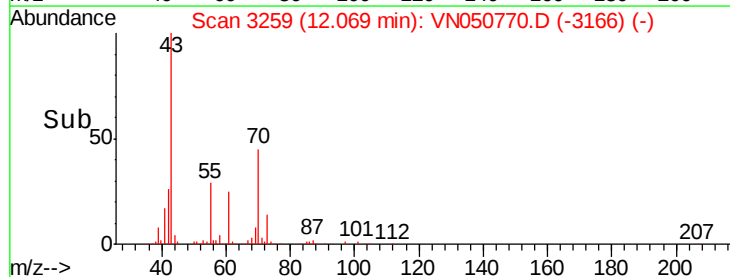
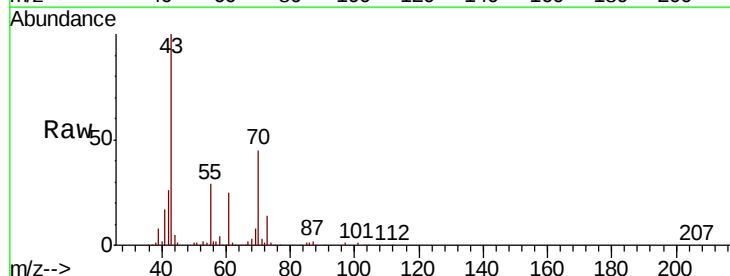
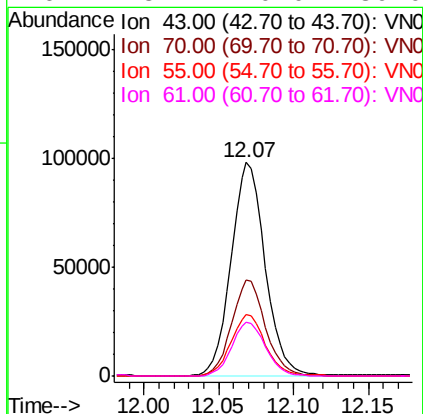
Ion Ratio Lower Upper

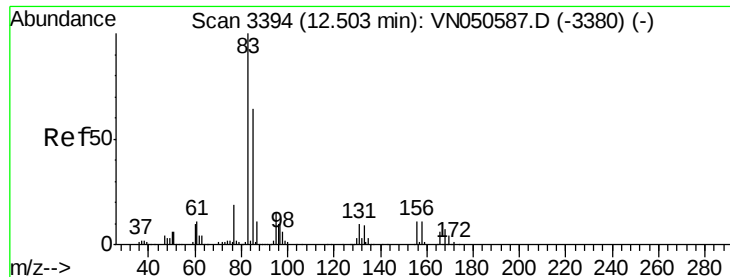
43 100

70 45.0 35.9 53.9

55 29.1 22.2 33.4

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.91 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 83 Resp: 164635
Ion Ratio Lower Upper

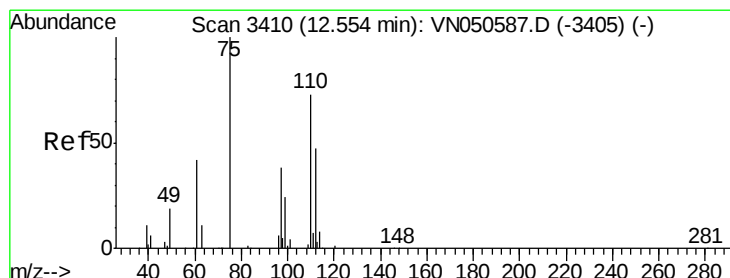
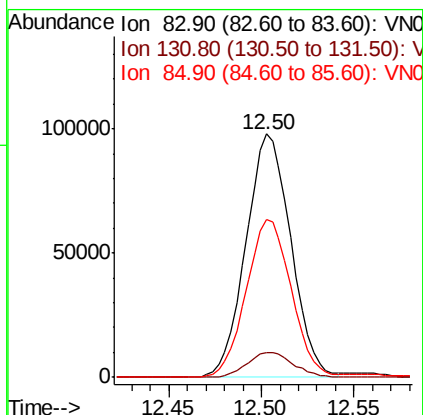
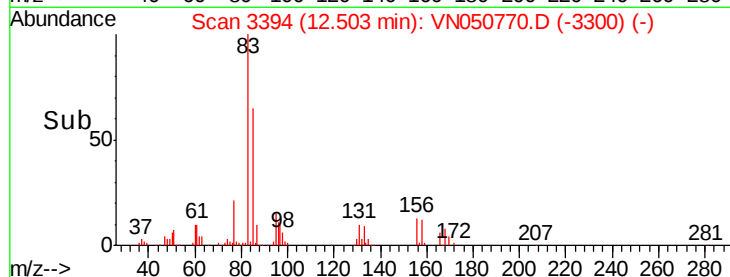
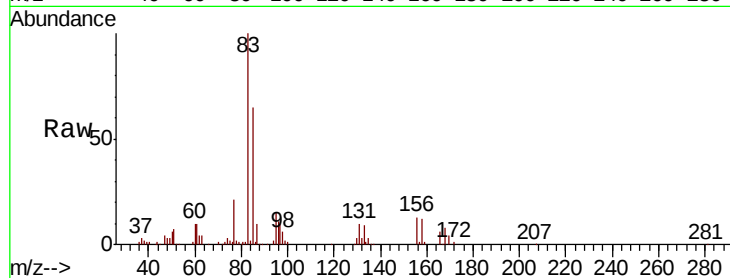
83 100

131 10.6 5.3 15.9

85 64.9 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.72 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

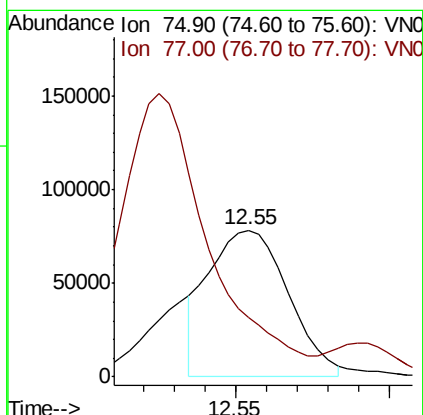
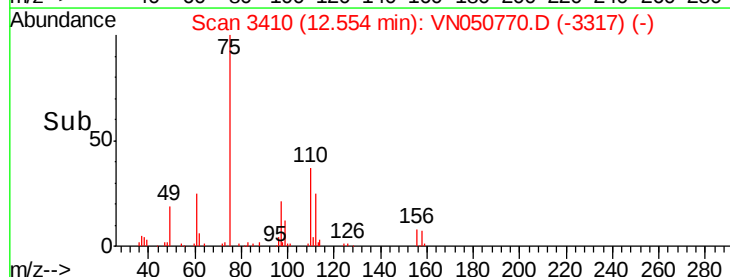
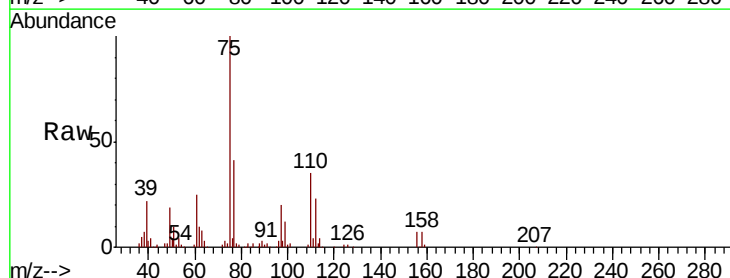
Lab File: VN050770.D

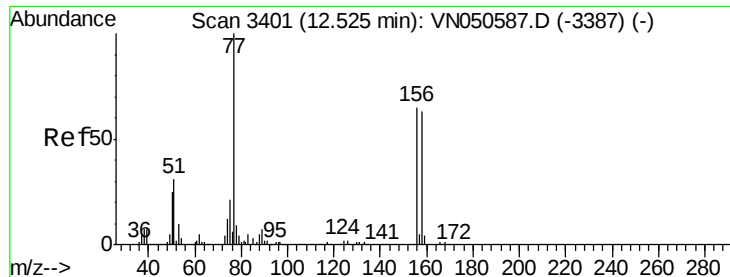
Acq: 20 Aug 2018 13:32

Tgt Ion: 75 Resp: 140481
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.71 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

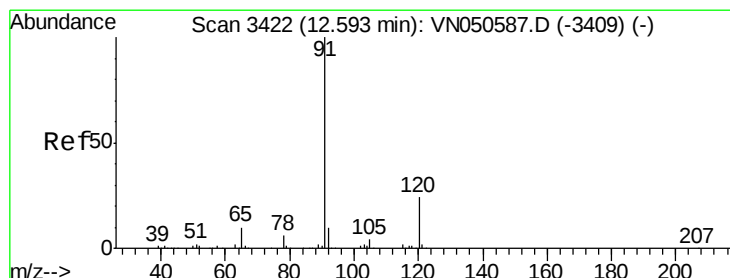
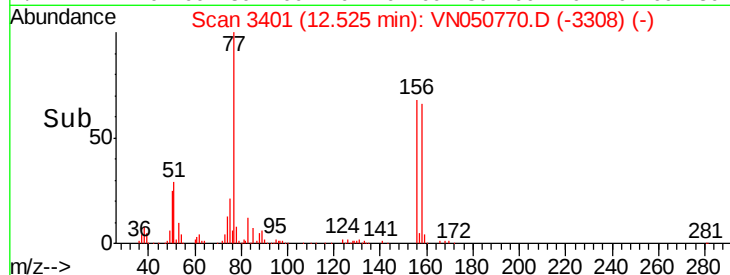
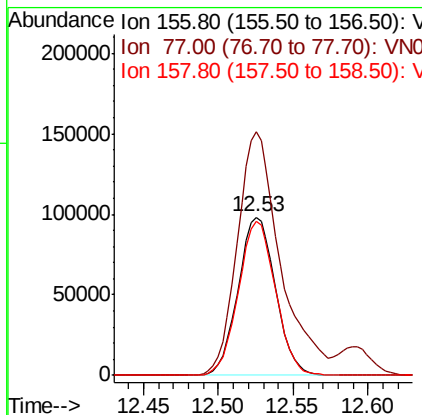
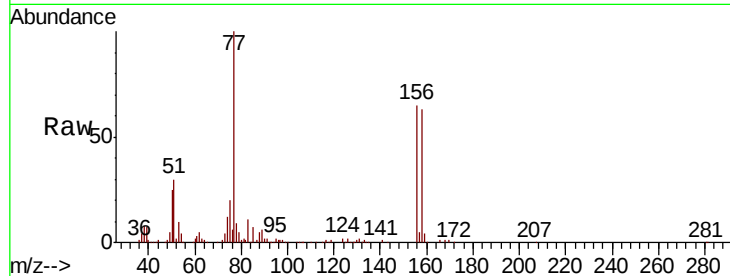
ClientSampleId :

VN0820WBS02

Tot Ion:	156	Resp:	170455
Ion Ratio	Lower	Upper	
156	100		
77	177.5	89.0	267.1
158	96.7	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.07 ug/l

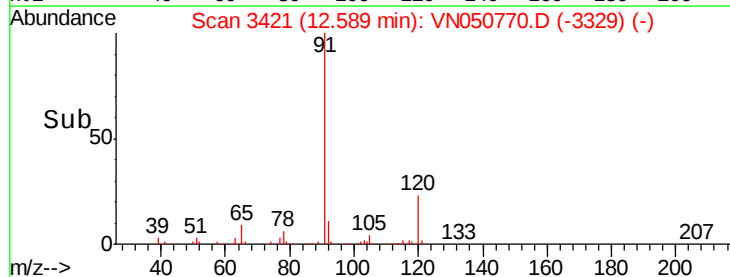
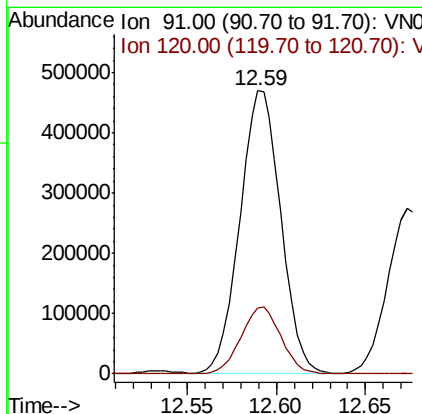
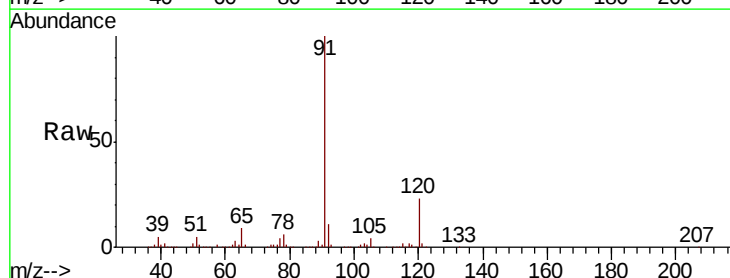
RT: 12.59 min Scan# 3421

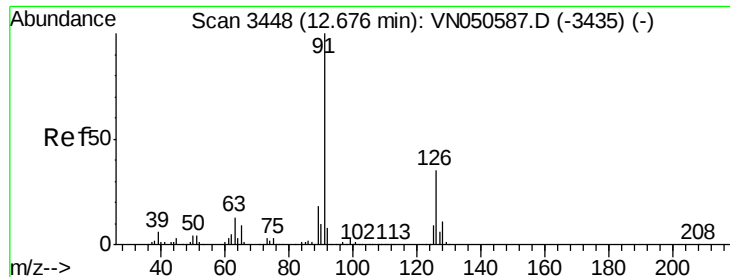
Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Tgt Ion:	91	Resp:	748503
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.60 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 91 Resp: 456277

Ion Ratio Lower Upper

91 100

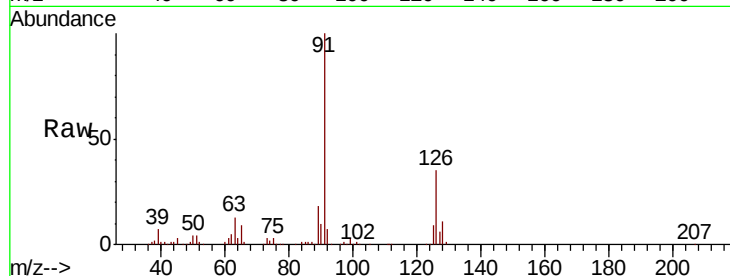
126 35.3 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050587.D (-3435) (-)

500000

400000

300000

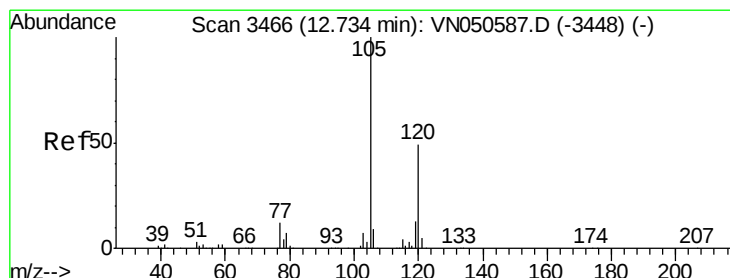
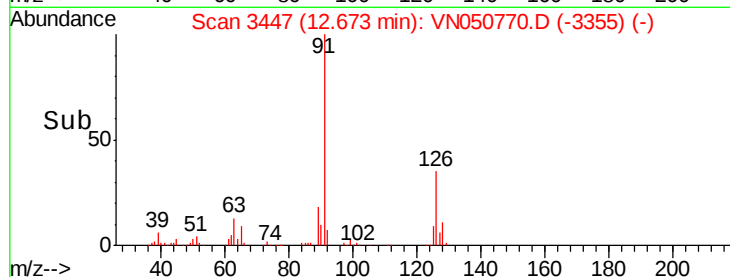
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.52 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050770.D

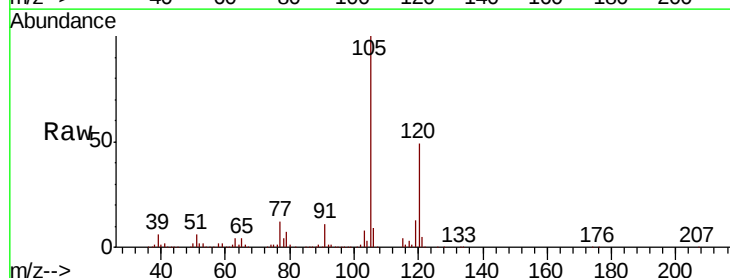
Acq: 20 Aug 2018 13:32

Tgt Ion:105 Resp: 548877

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)

Ion 120.00 (119.70 to 120.70): VN050587.D (-3448) (-)

400000

300000

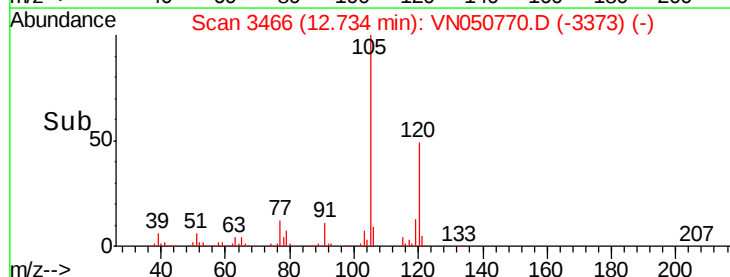
200000

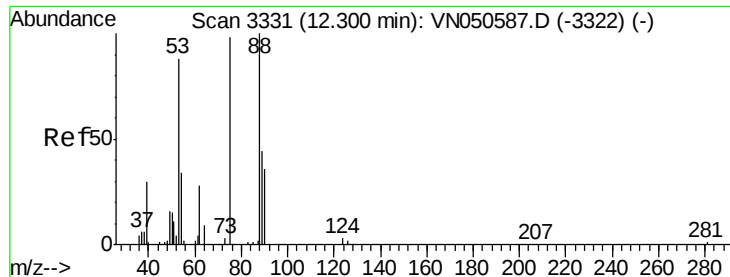
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.81 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 75 Resp: 38173

Ion Ratio Lower Upper

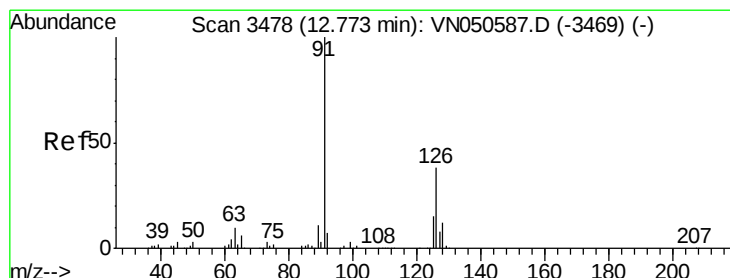
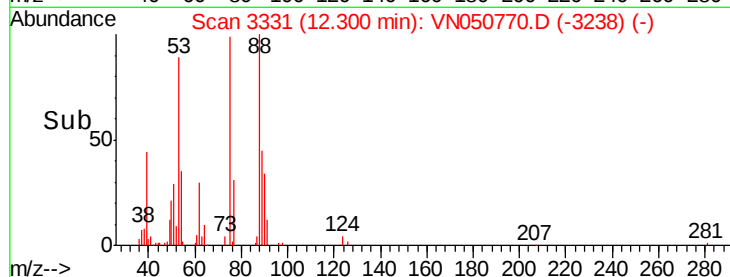
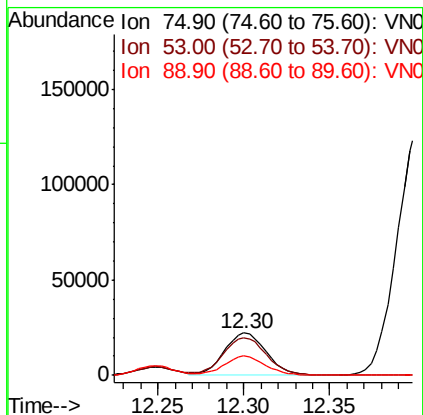
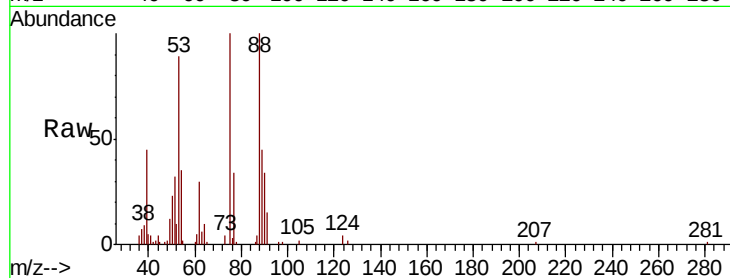
75 100

53 92.1 72.2 108.2

89 43.7 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.65 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050770.D

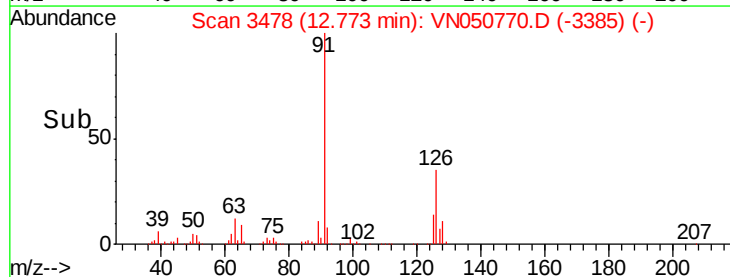
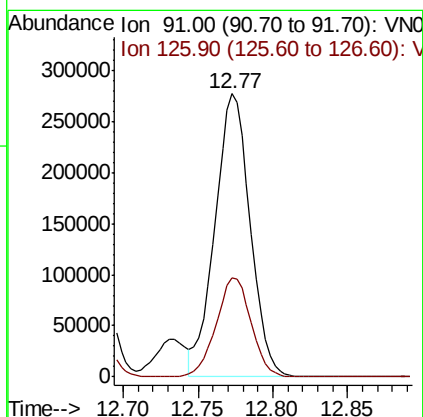
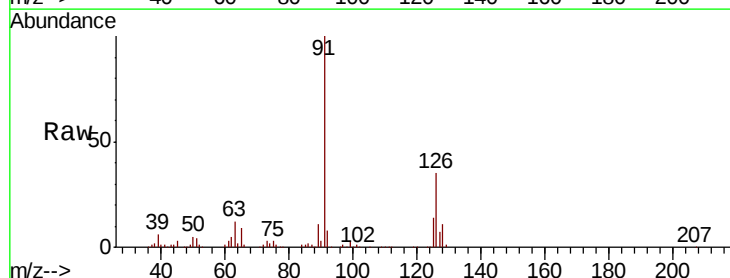
Acq: 20 Aug 2018 13:32

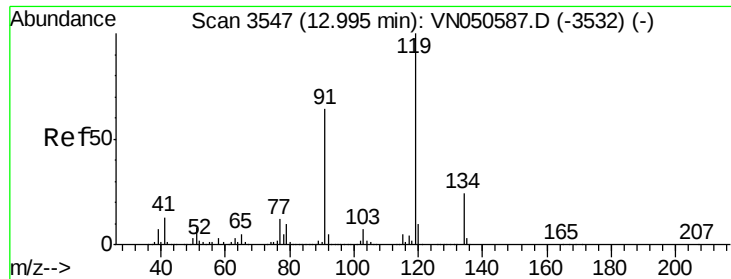
Tgt Ion: 91 Resp: 451953

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





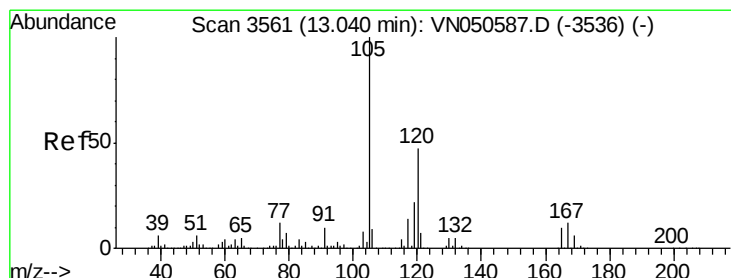
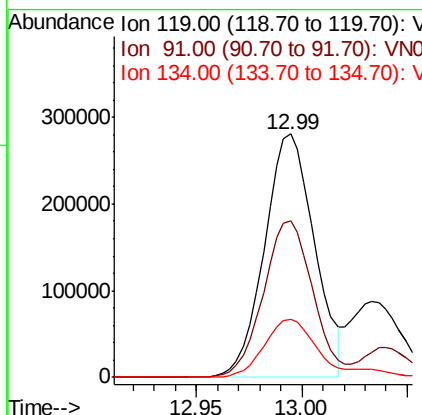
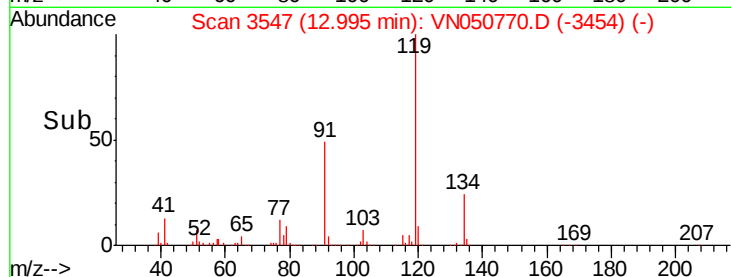
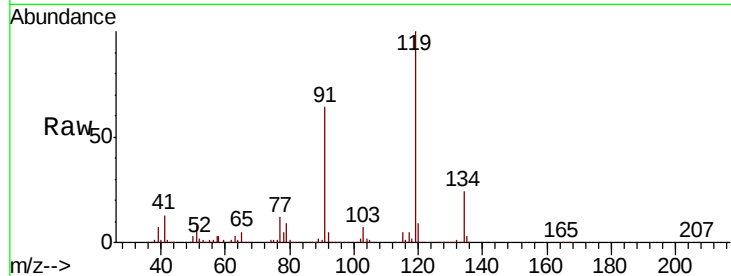
#83
 tert-Butylbenzene
 Concen: 20.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	462365		
91	63.4		32.2	96.6
134	24.6		13.4	40.2

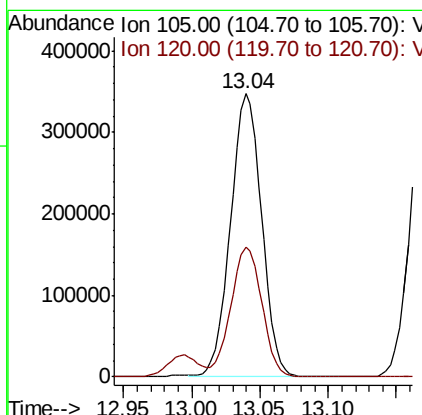
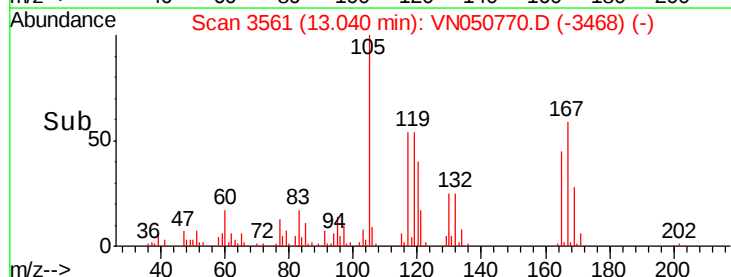
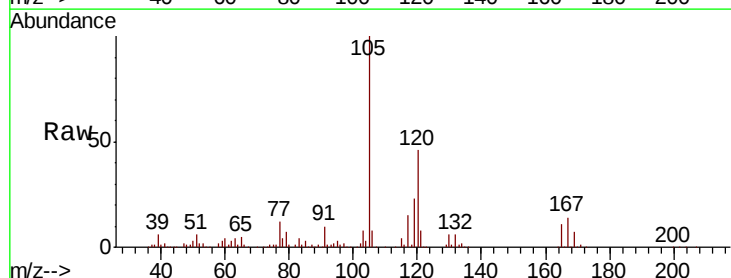
Manual Integrations
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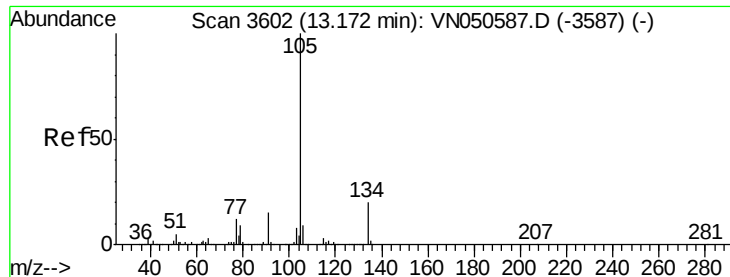
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.46 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	549332		
120	46.2		23.2	69.5





#85

sec-Butylbenzene

Concen: 21.28 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion:105 Resp: 615869

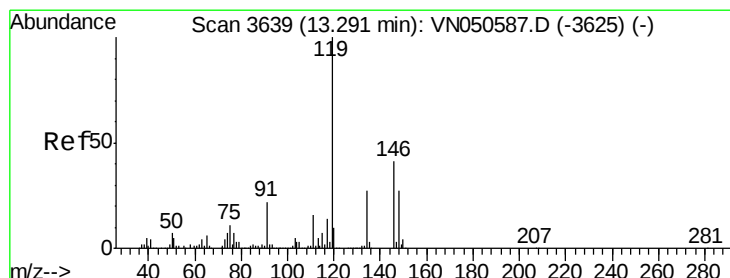
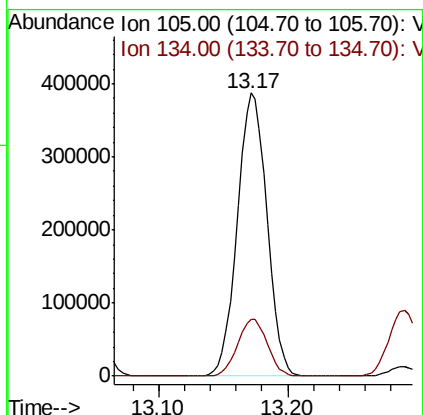
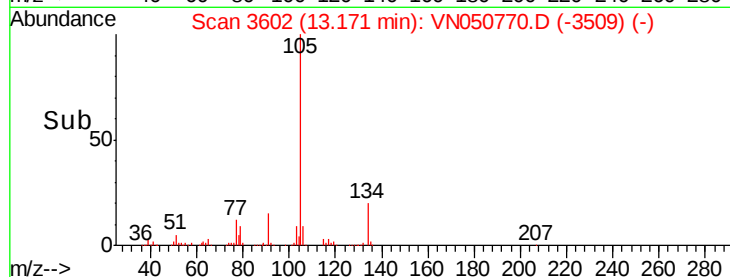
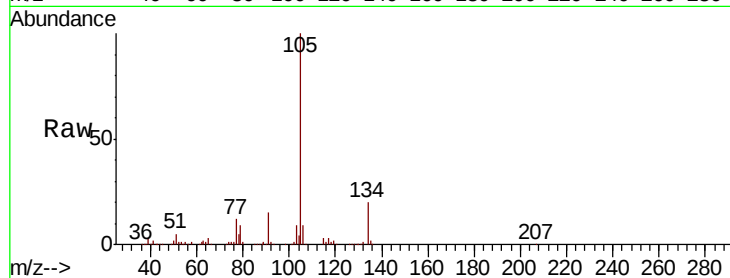
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 21.53 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050770.D

Acq: 20 Aug 2018 13:32

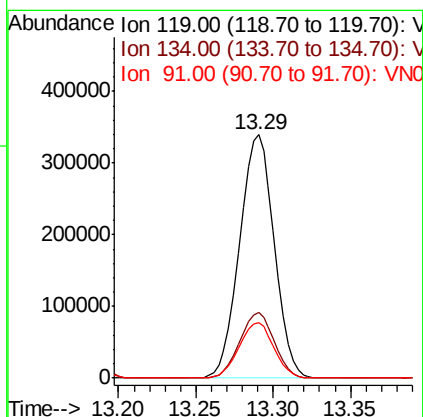
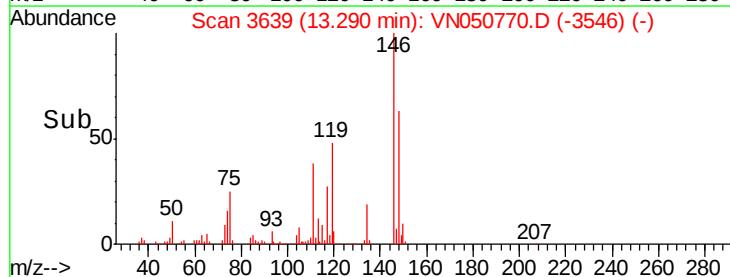
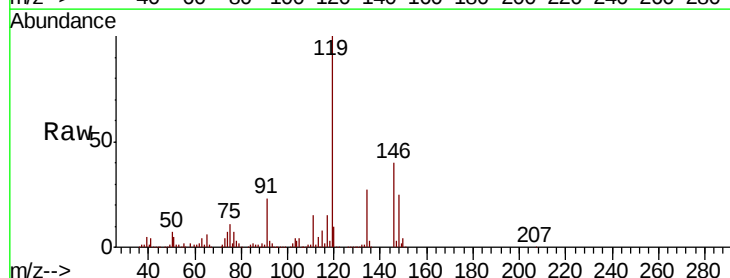
Tgt Ion:119 Resp: 527953

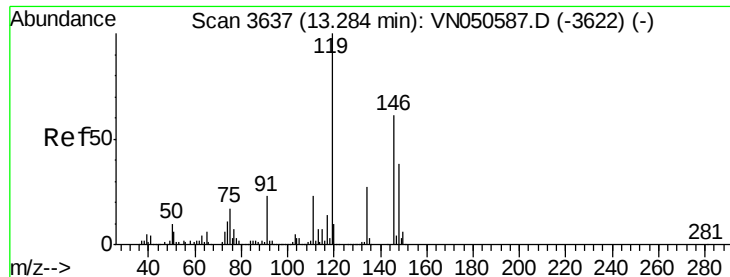
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.8 11.2 33.6





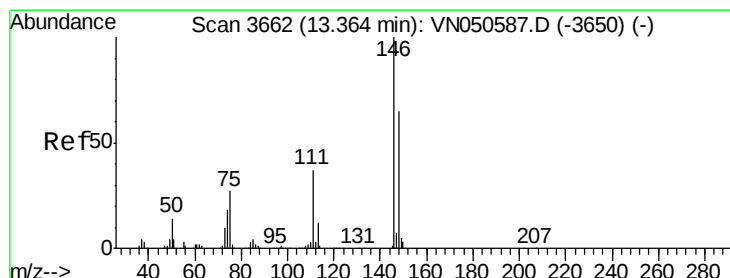
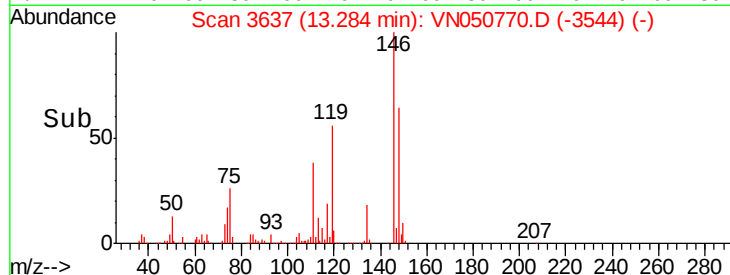
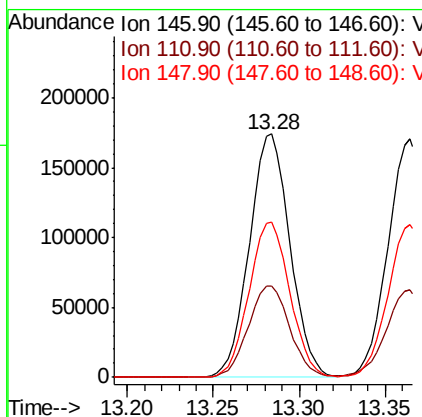
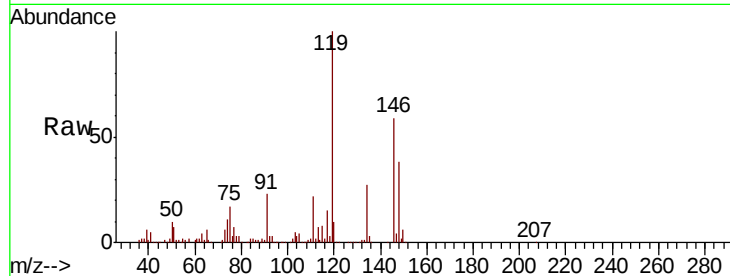
#87
 1,3-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion:	146	Resp:	285458
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.2	57.6
148	64.1	31.9	95.7

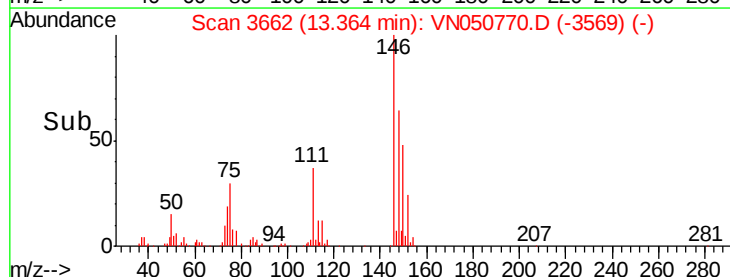
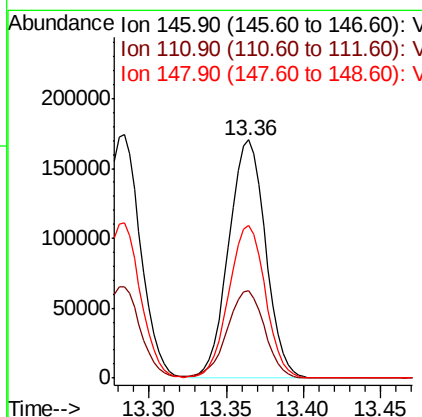
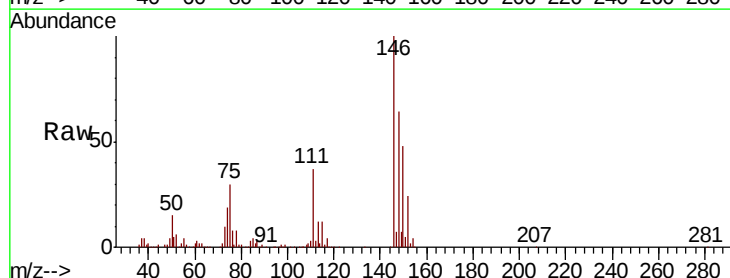
Manual Integrations
 APPROVED

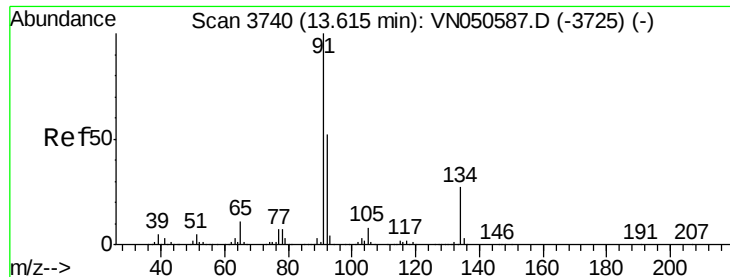
MMDadoda
 8/21/2018 2:13:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion:	146	Resp:	281755
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.4
148	63.8	32.3	96.8





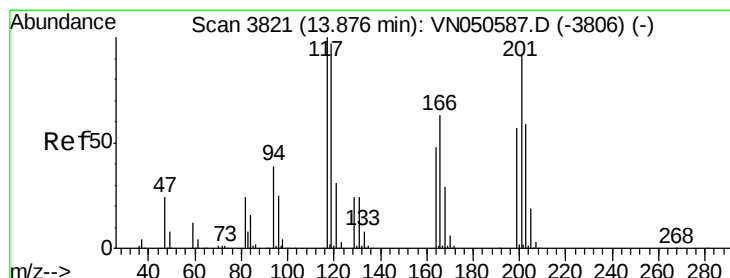
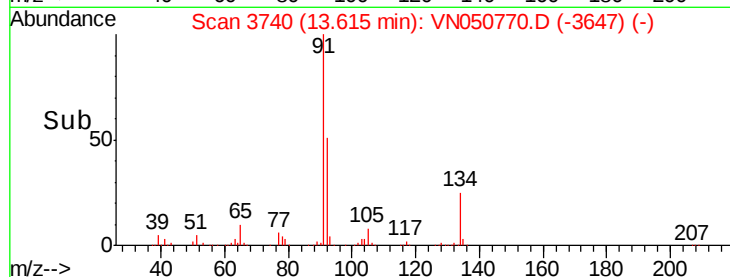
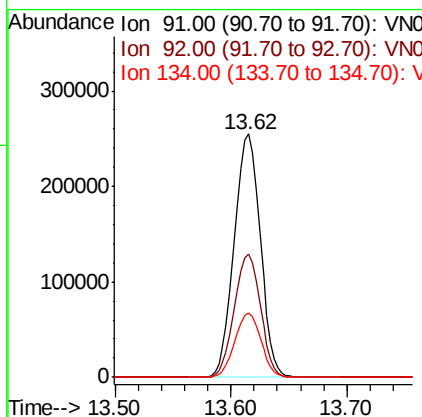
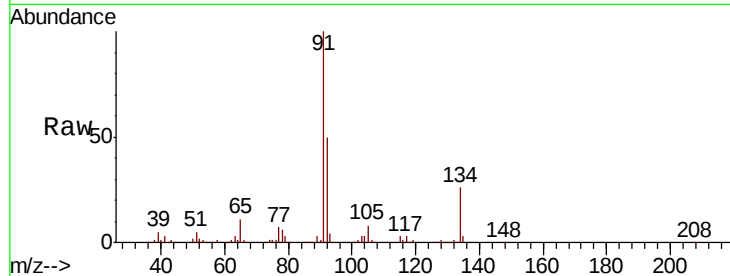
#89
n-Butylbenzene
Concen: 20.04 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.4	26.3	78.8	
134	26.2	13.3	39.9	

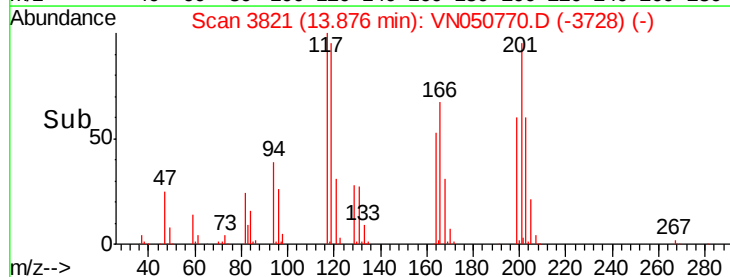
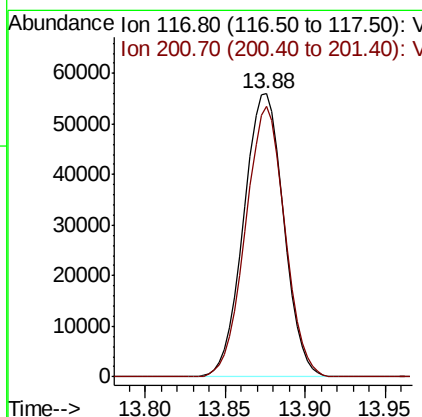
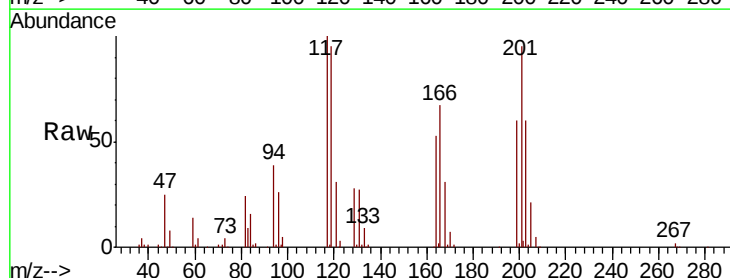
Manual Integrations
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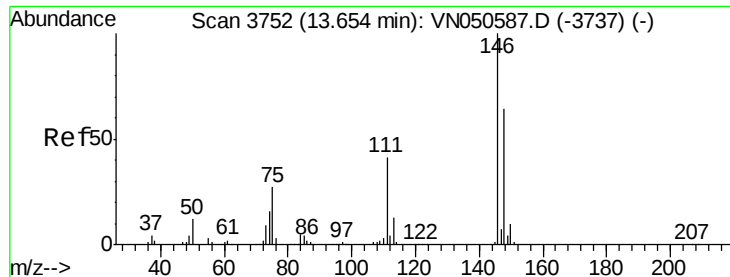
MMDadoda
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#90
Hexachloroethane
Concen: 19.43 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.7	45.5	136.5	





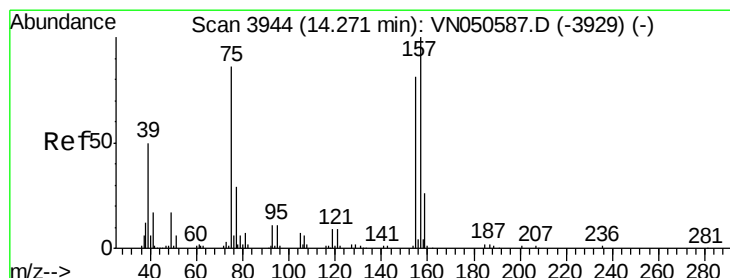
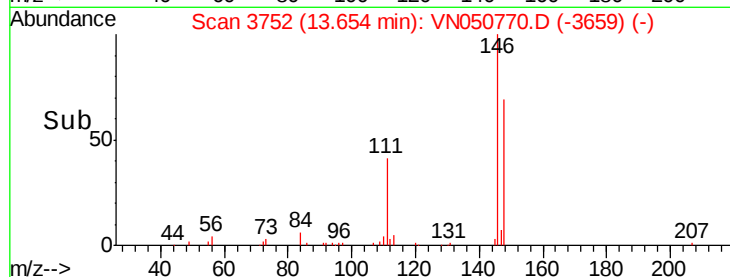
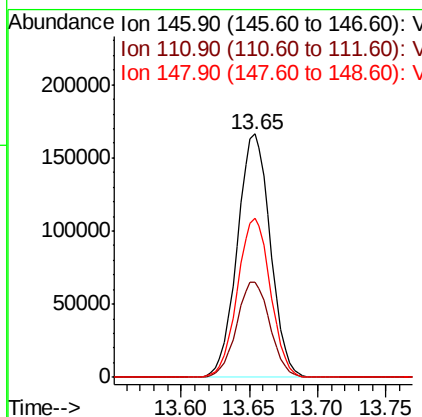
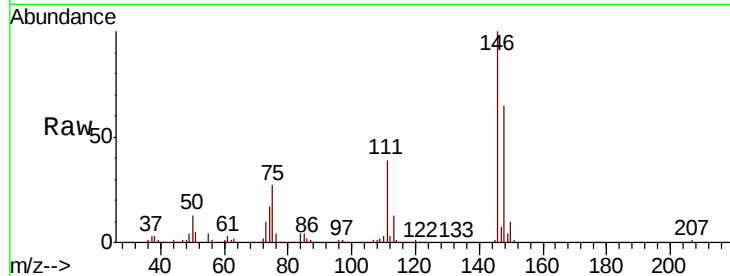
#91
 1,2-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	65.3	32.3	96.8

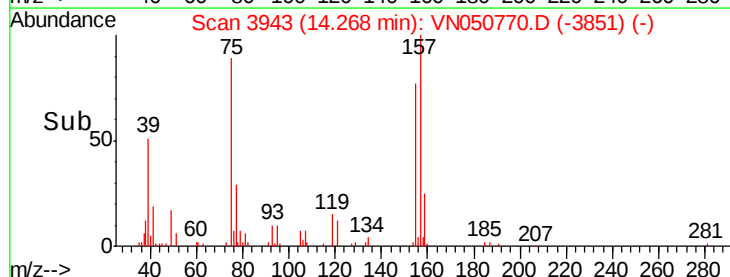
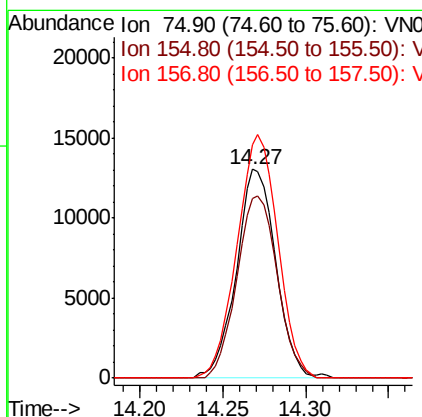
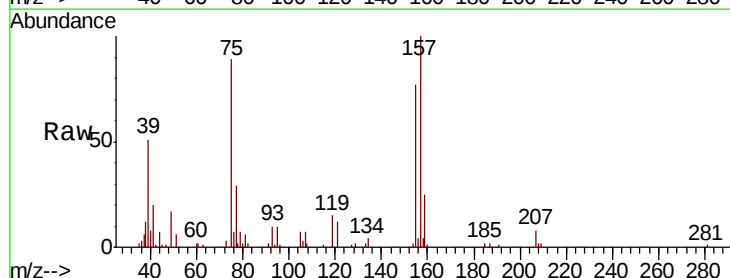
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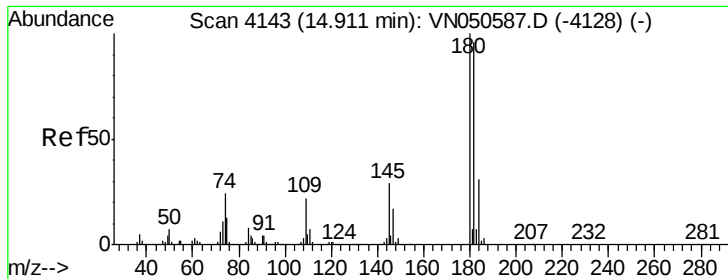
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.02 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	46.6	139.8
157	120.2	58.1	174.2





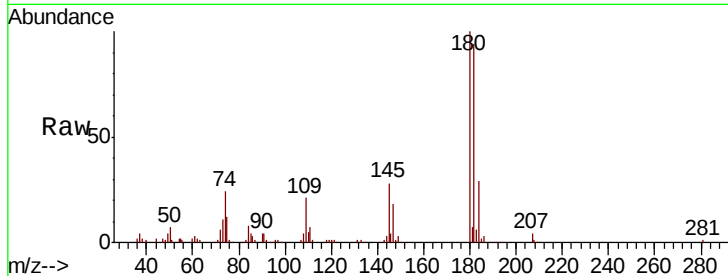
#93
 1,2,4-Trichlorobenzene
 Concen: 17.07 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112158		
182	95.4	47.9	143.7	
145	27.7	14.4	43.4	

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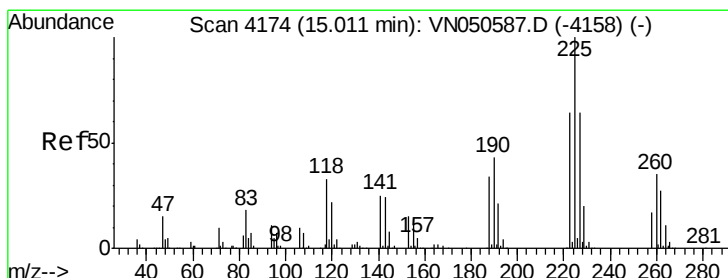
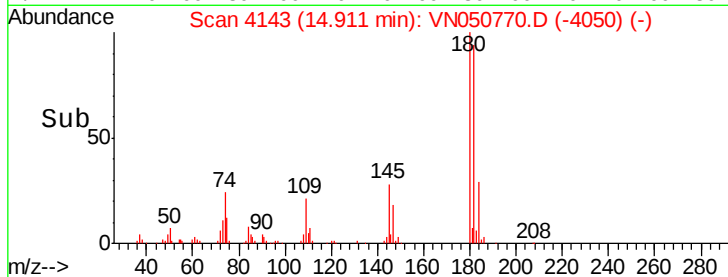
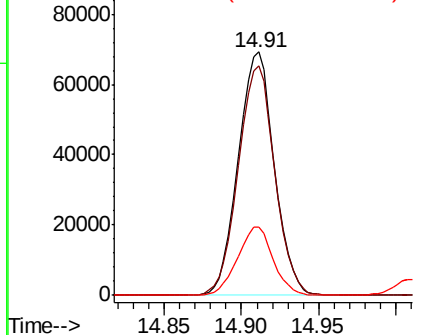


Abundance

Ion 179.80 (179.50 to 180.50): V

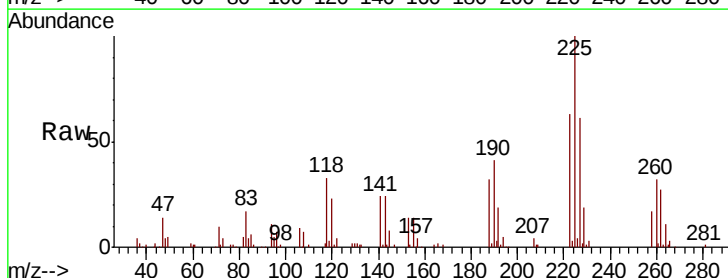
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.38 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050770.D
 Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89755		
223	62.9	32.1	96.3	
227	62.0	32.0	96.2	

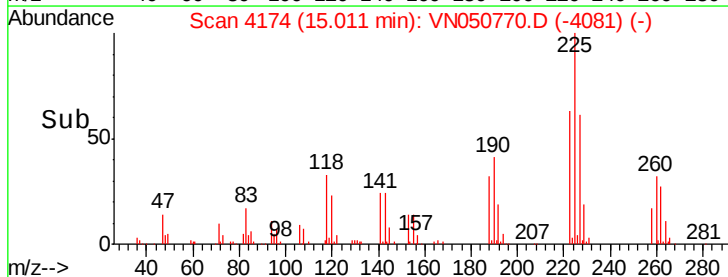
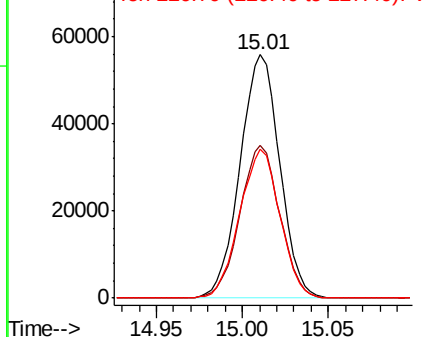


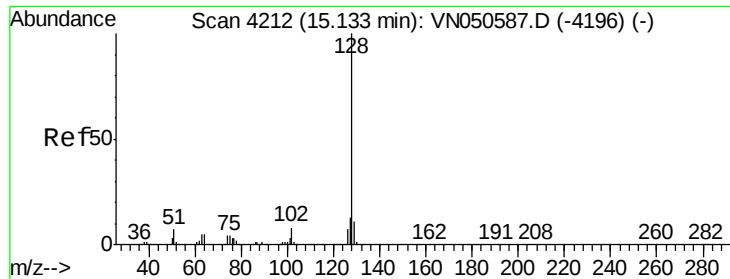
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





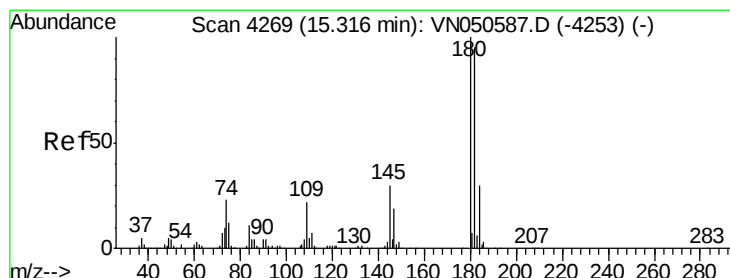
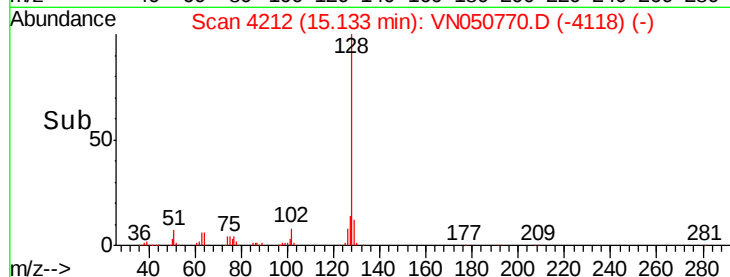
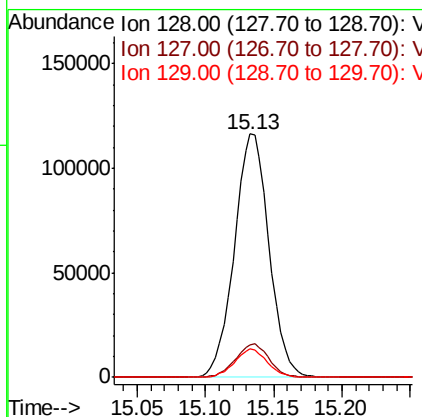
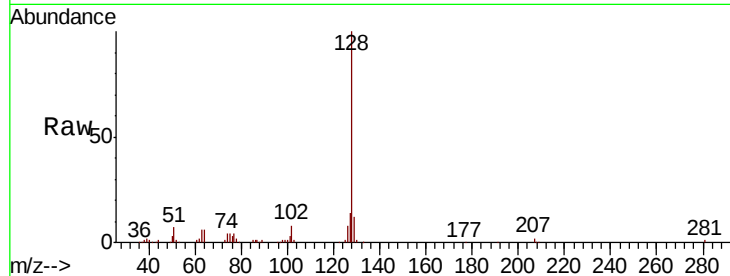
#95
Naphthalene
Concen: 15.90 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204624		
127	13.5		10.3	15.5
129	10.9		8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 17.87 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050770.D
Acq: 20 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114136		
182	97.6		47.3	141.8
145	30.0		14.6	44.0

