

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050454.D
 Acq On : 8 Aug 2018 13:11
 Operator : MD\SY
 Sample : VN0808WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 1:32:13 PM

Quant Time: Aug 08 15:26:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	773470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1152137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1029460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	515169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	479574	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.59	113	441421	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.09	98	1637263	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.40	95	542858	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160544	18.70	ug/l	98
3) Chloromethane	2.06	50	190829	17.87	ug/l	99
4) Vinyl Chloride	2.18	62	207876	18.70	ug/l	97
5) Bromomethane	2.56	94	114863	21.41	ug/l	100
6) Chloroethane	2.70	64	129700	18.94	ug/l	97
7) Trichlorofluoromethane	3.01	101	280014	19.51	ug/l	99
8) Diethyl Ether	3.41	74	102239	19.42	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169313	19.09	ug/l	97
10) Methyl Iodide	3.95	142	75937	19.43	ug/l	98
11) Tert butyl alcohol	4.79	59	67486	81.29	ug/l	100
12) 1,1-Dichloroethene	3.74	96	158733	18.98	ug/l	96
13) Acrolein	3.61	56	69379	75.40	ug/l	95
14) Allyl chloride	4.32	41	247368	18.42	ug/l	98
15) Acrylonitrile	4.99	53	290208	83.45	ug/l	100
16) Acetone	3.82	43	260023	84.13	ug/l	99
17) Carbon Disulfide	4.05	76	459341	16.89	ug/l	99
18) Methyl Acetate	4.33	43	141856	17.59	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	460551	19.40	ug/l	99
20) Methylene Chloride	4.55	84	181835	18.31	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	171437	18.95	ug/l	99
22) Diisopropyl ether	5.96	45	534305	19.48	ug/l	99
23) Vinyl Acetate	5.90	43	1810456	92.50	ug/l	100
24) 1,1-Dichloroethane	5.85	63	318009	18.89	ug/l	100
25) 2-Butanone	6.84	43	425473	83.08	ug/l	97
26) 2,2-Dichloropropane	6.83	77	261160	18.82	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	197966	19.74	ug/l	98
28) Bromochloromethane	7.20	49	138868	17.92	ug/l	94
29) Tetrahydrofuran	7.22	42	225816	82.38	ug/l	98
30) Chloroform	7.37	83	325543	19.35	ug/l	100
31) Cyclohexane	7.66	56	280500	18.54	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	279469	19.34	ug/l	98
36) 1,1-Dichloropropene	7.80	75	245216	19.37	ug/l	99
37) Ethyl Acetate	6.94	43	155304	17.04	ug/l	99
38) Carbon Tetrachloride	7.78	117	247503	18.74	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254590	18.42	ug/l	98
40) Benzene	8.04	78	741967	19.06	ug/l	100
41) Methacrylonitrile	7.18	41	72631	14.98	ug/l	89
42) 1,2-Dichloroethane	8.13	62	230239	18.63	ug/l	99
43) Isopropyl Acetate	8.17	43	275349	17.50	ug/l #	85
44) Trichloroethene	8.84	130	201154	19.24	ug/l	98
45) 1,2-Dichloropropane	9.12	63	191703	18.74	ug/l	99
46) Dibromomethane	9.21	93	114842	18.18	ug/l	95
47) Bromodichloromethane	9.41	83	243533	18.61	ug/l	99
48) Methyl methacrylate	9.20	41	135150	17.13	ug/l	97
49) 1,4-Dioxane	9.20	88	38438	316.15	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	970359	85.62	ug/l	99
52) Toluene	10.16	92	457440	19.57	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	242012	18.42	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	284741	19.42	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	170891	18.72	ug/l	99
56) Ethyl methacrylate	10.43	69	213507	17.68	ug/l	98
57) 1,3-Dichloropropane	10.71	76	279645	18.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	489707	86.33	ug/l	99
59) 2-Hexanone	10.75	43	640206	80.94	ug/l	97
60) Dibromochloromethane	10.90	129	185755	18.47	ug/l	99
61) 1,2-Dibromoethane	11.01	107	167612	18.63	ug/l	99
64) Tetrachloroethene	10.63	164	197334	20.51	ug/l	97
65) Chlorobenzene	11.44	112	496257	19.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	183936	19.58	ug/l	99
67) Ethyl Benzene	11.51	91	832801	19.96	ug/l	100
68) m/p-Xylenes	11.62	106	647552	40.77	ug/l	99
69) o-Xylene	11.95	106	313495	20.49	ug/l	98
70) Styrene	11.97	104	495590	19.92	ug/l	100
71) Bromoform	12.13	173	127289	18.54	ug/l #	99
73) Isopropylbenzene	12.25	105	821633	21.25	ug/l	100
74) N-amyl acetate	12.07	43	223932	17.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	202104	18.11	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	177012m	18.98	ug/l	
77) Bromobenzene	12.53	156	211655	20.43	ug/l	98
78) n-propylbenzene	12.59	91	897007	20.49	ug/l	99
79) 2-Chlorotoluene	12.68	91	559759	20.71	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	661909	21.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49397	18.61	ug/l	99
82) 4-Chlorotoluene	12.77	91	545854	20.25	ug/l	98
83) tert-Butylbenzene	12.99	119	574669	20.98	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	668914	21.03	ug/l	99
85) sec-Butylbenzene	13.17	105	726741	19.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	636696	20.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	360243	19.52	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	351056	19.05	ug/l	98
89) n-Butylbenzene	13.62	91	492861	18.51	ug/l	99
90) Hexachloroethane	13.88	117	99002	17.80	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	355045	19.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31761	16.77	ug/l	97

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ClientSampleId :
VN0808WBS01

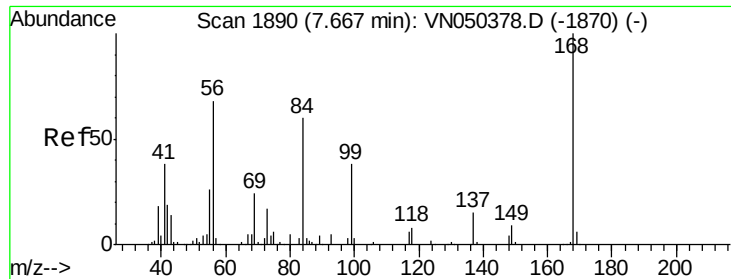
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	174327	18.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	104037	19.20	ug/l	99
95) Naphthalene	15.14	128	400576	18.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	173672	18.23	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: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion:168 Resp: 773470

Ion Ratio Lower Upper

168 100

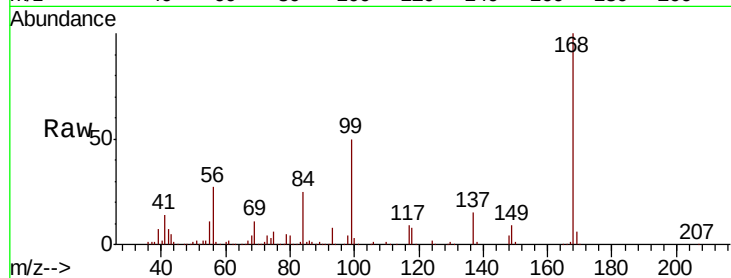
99 49.5 40.0 60.0

Manual Integrations

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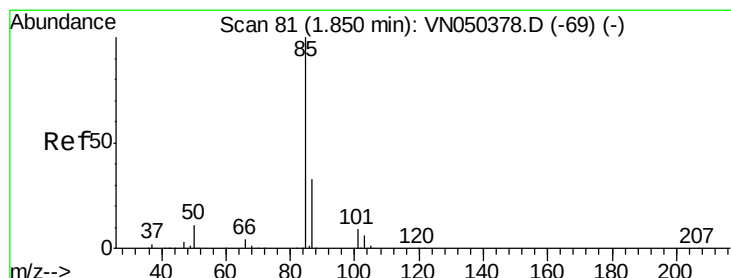
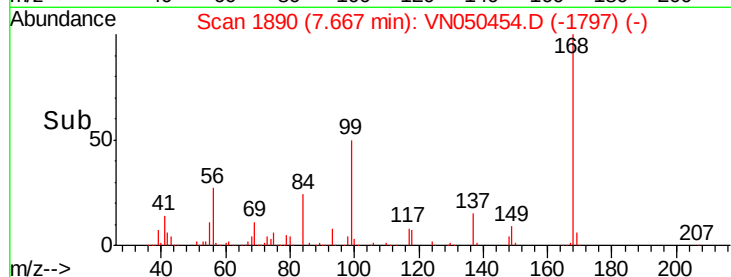
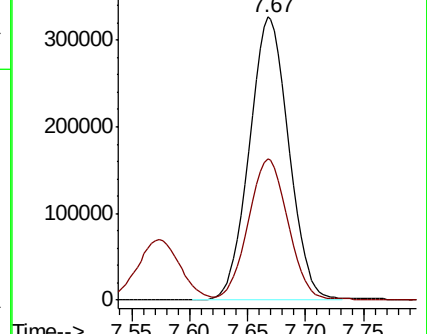
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050454.D

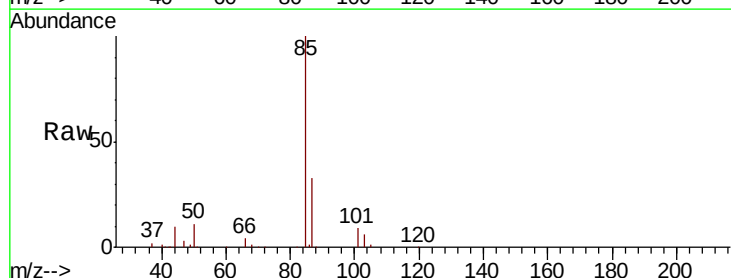
Acq: 8 Aug 2018 13:11

Tgt Ion: 85 Resp: 160544

Ion Ratio Lower Upper

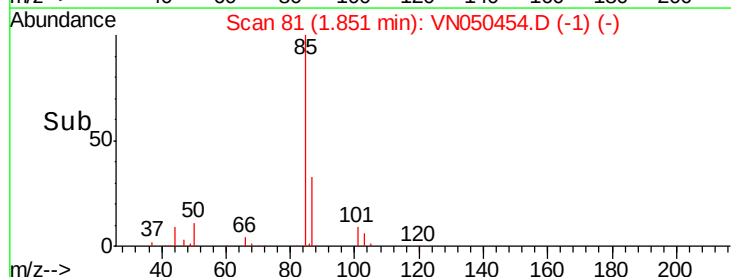
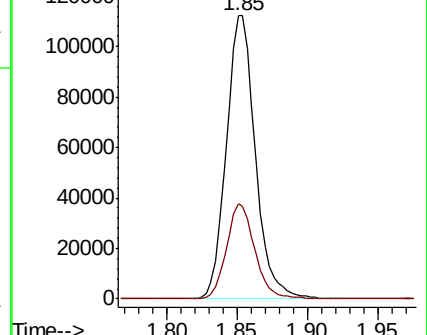
85 100

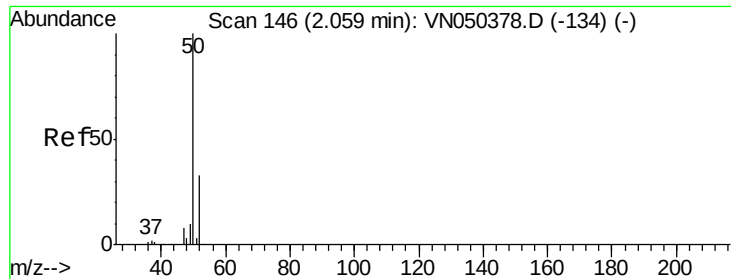
87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.87 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 50 Resp: 190829

Ion Ratio Lower Upper

50 100

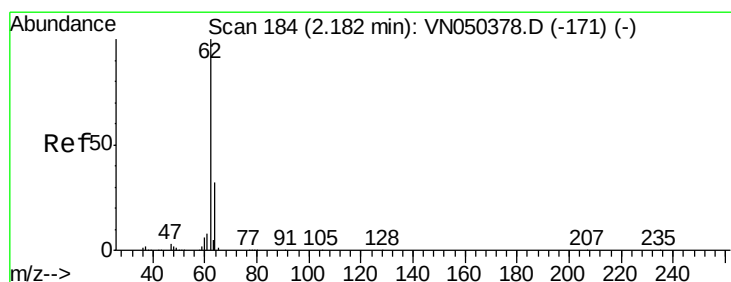
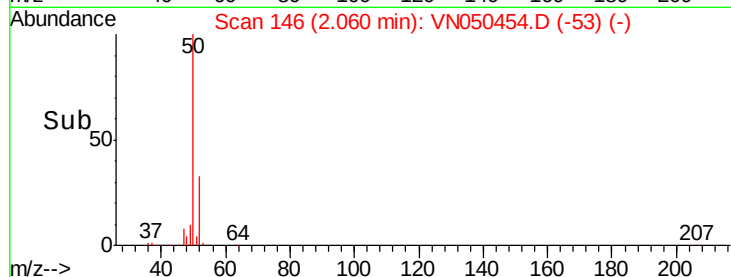
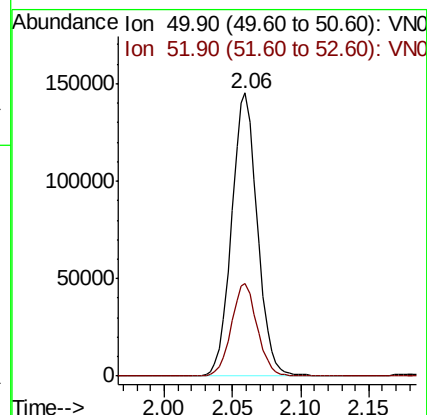
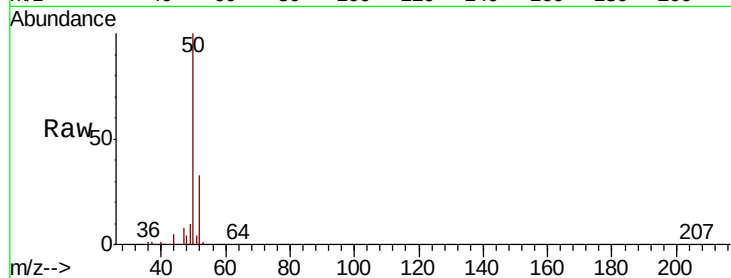
52 32.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050454.D

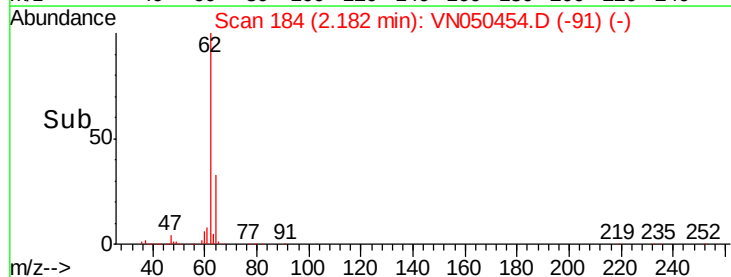
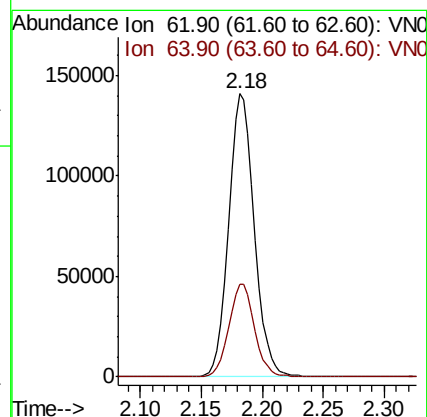
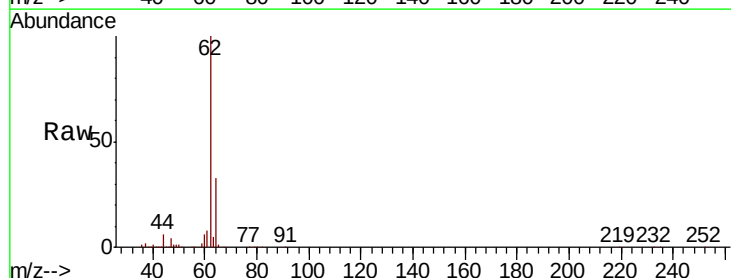
Acq: 8 Aug 2018 13:11

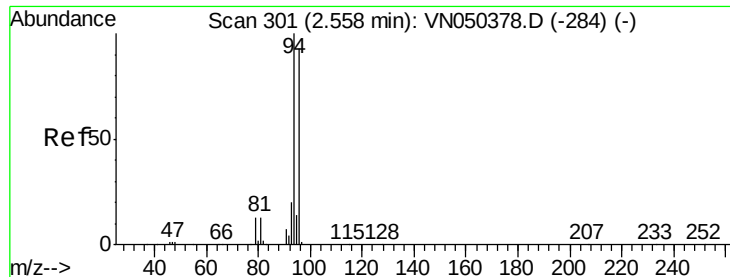
Tgt Ion: 62 Resp: 207876

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1





#5

Bromomethane

Concen: 21.41 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 94 Resp: 114863

Ion Ratio Lower Upper

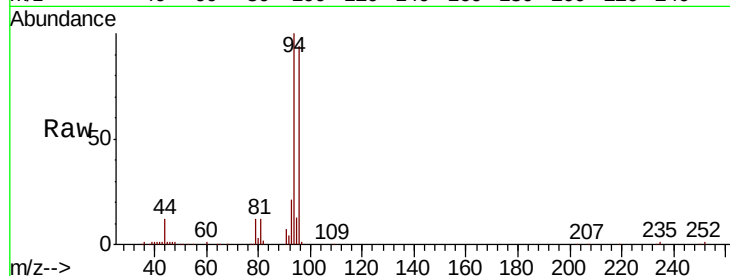
94 100

96 93.3 74.6 112.0

Manual Integrations
APPROVED

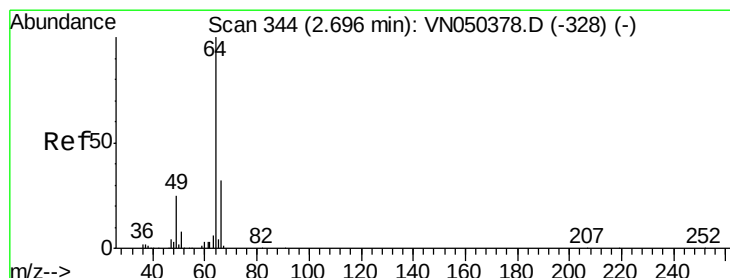
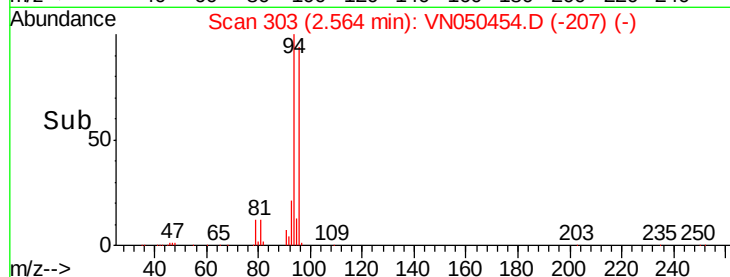
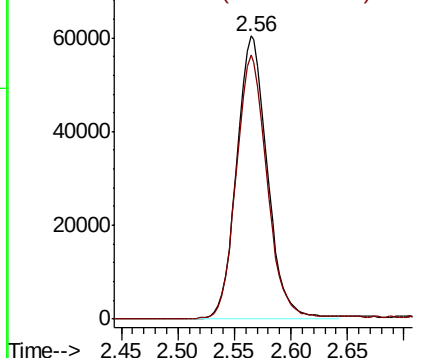
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.94 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050454.D

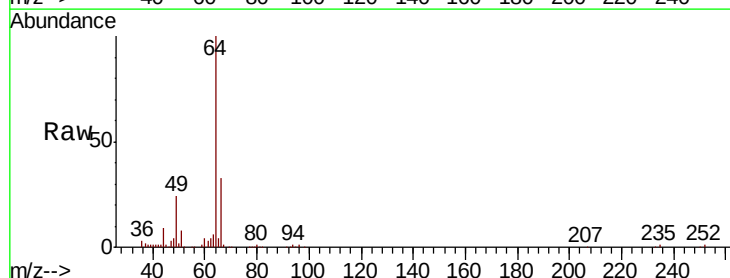
Acq: 8 Aug 2018 13:11

Tgt Ion: 64 Resp: 129700

Ion Ratio Lower Upper

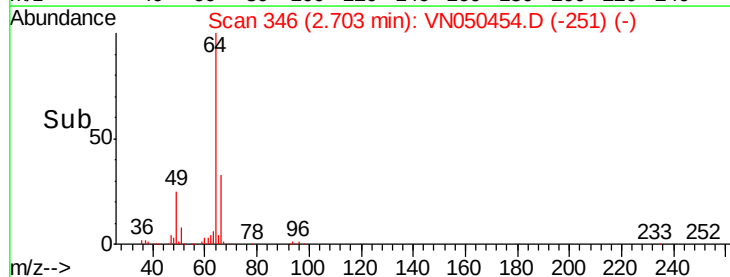
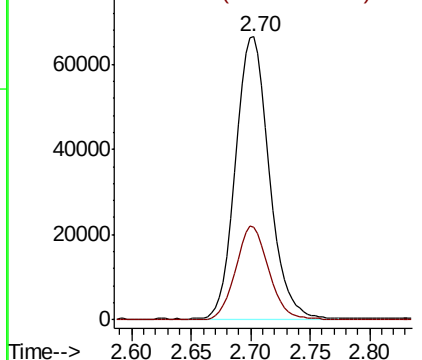
64 100

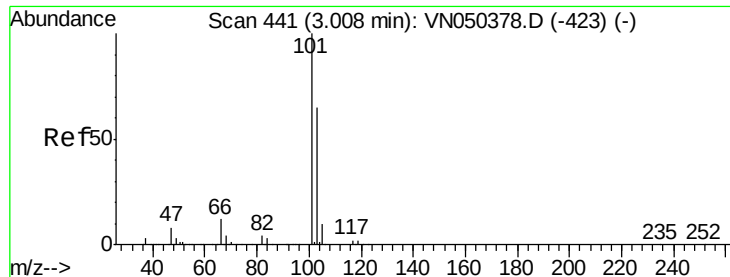
66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

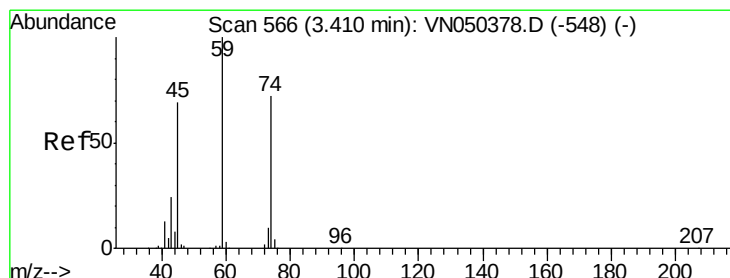
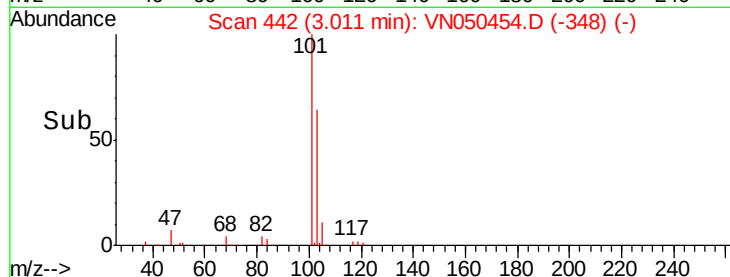
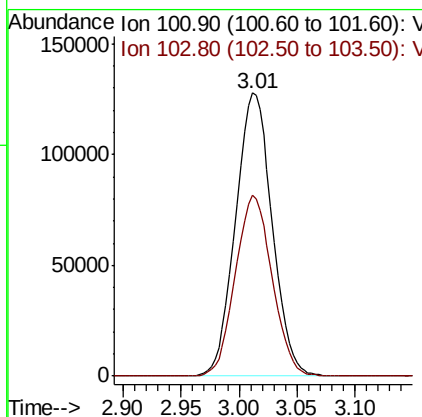
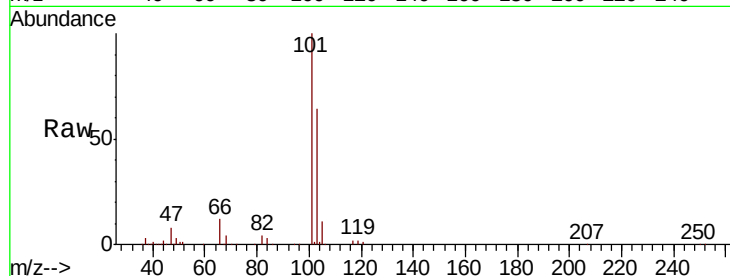
Trichlorofluoromethane
 Concen: 19.51 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
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 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.7	77.5

Manual Integrations
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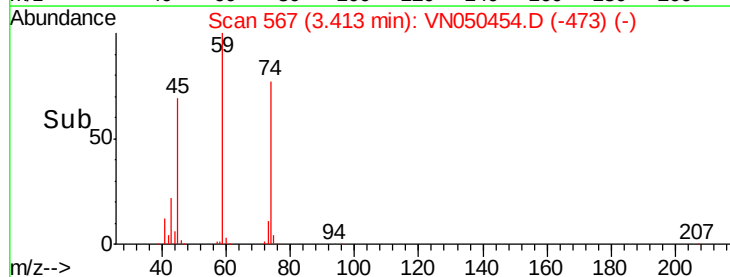
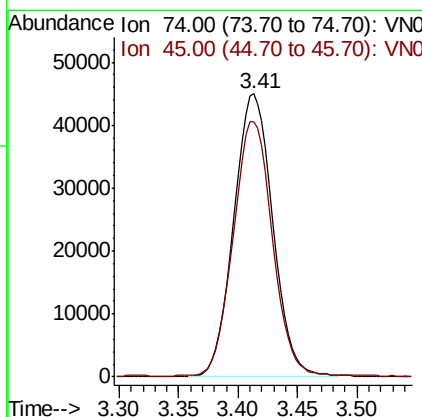
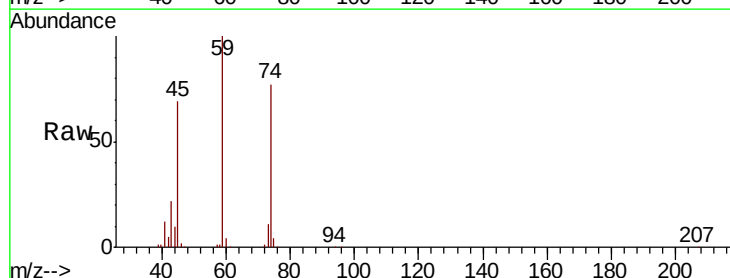
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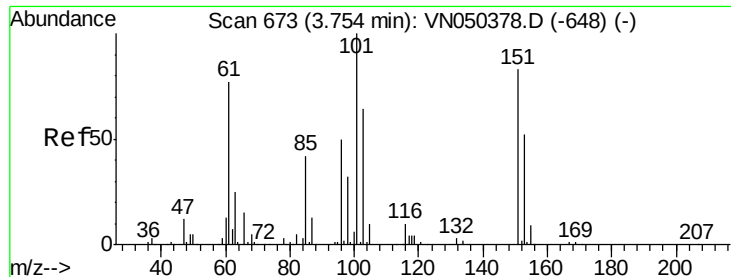


#8

Diethyl Ether
 Concen: 19.42 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

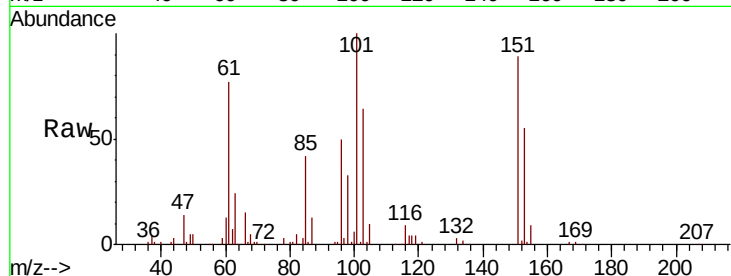
ClientSampleId :

VN0808WBS01

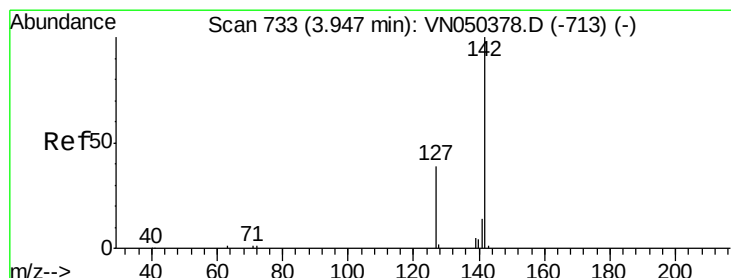
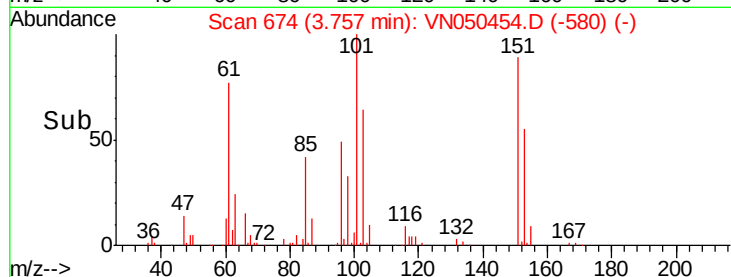
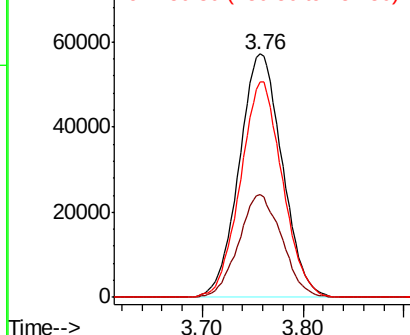
Tot Ion:	101	Resp:	169313
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	86.4	66.3	99.5

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: 19.43 ug/l

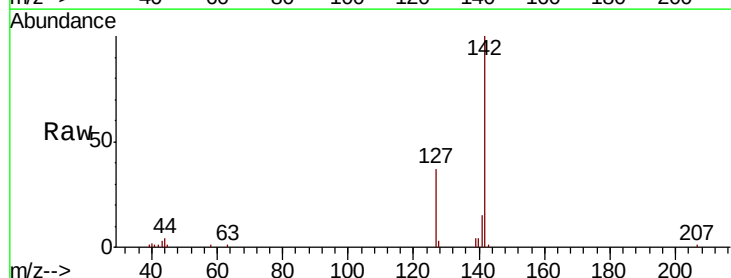
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

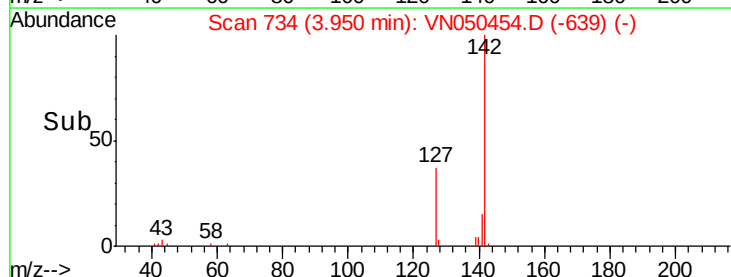
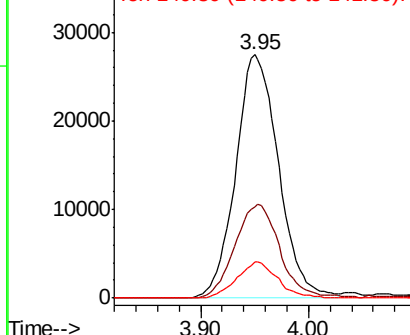
Lab File: VN050454.D

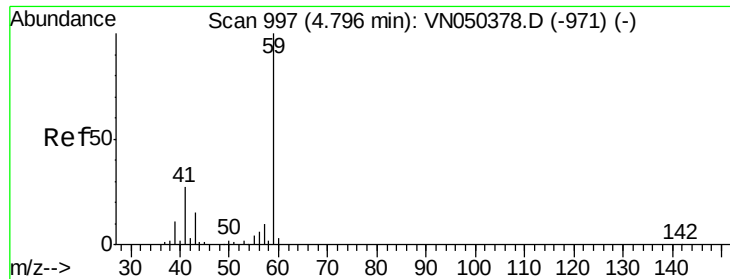
Acq: 8 Aug 2018 13:11

Tgt Ion:	142	Resp:	75937
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.4	50.2
141	14.1	11.6	17.4



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

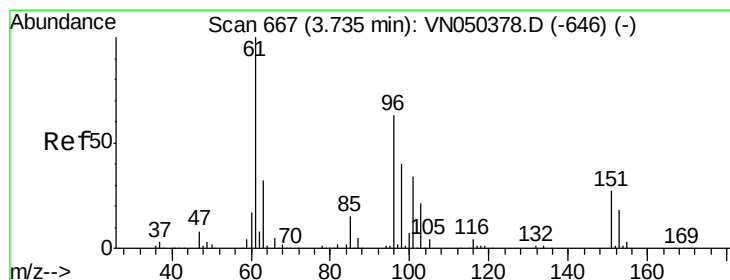
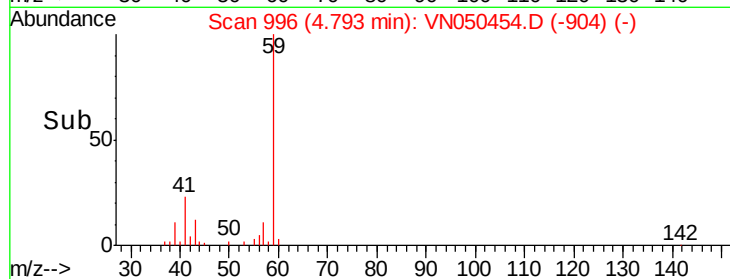
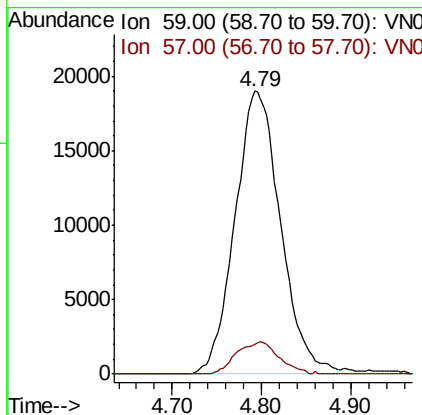
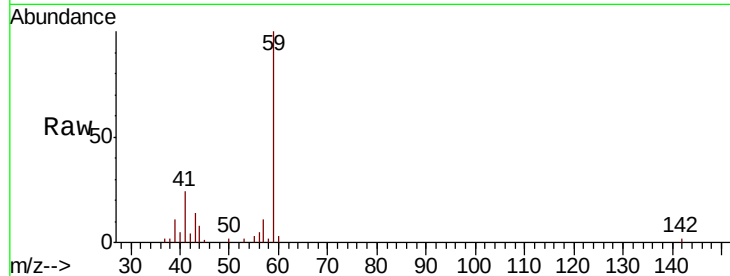
Tert butyl alcohol
 Concen: 81.29 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

Tot Ion	59	Resp	67486
Ion Ratio	100	Lower	Upper
57	10.7	8.5	12.7

Manual Integrations
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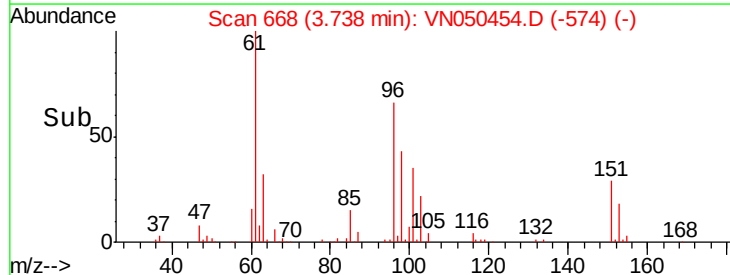
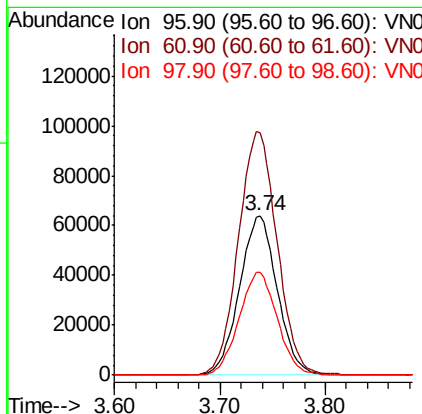
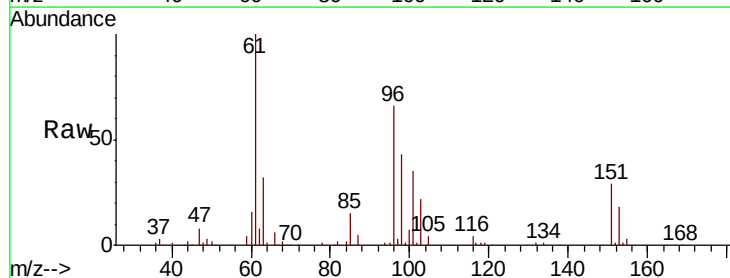
MMDadoda
 8/9/2018 1:32:13 PM

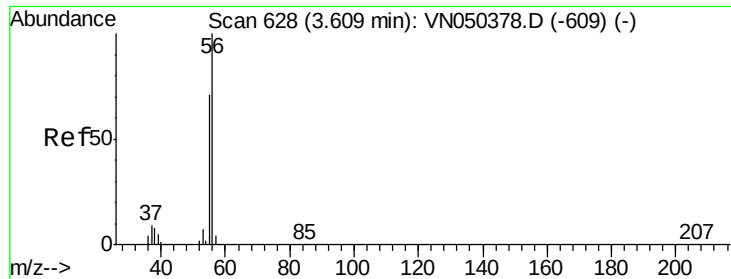


#12

1,1-Dichloroethene
 Concen: 18.98 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	96	Resp	158733
Ion Ratio	100	Lower	Upper
61	151.5	124.4	186.6
98	64.4	48.3	72.5





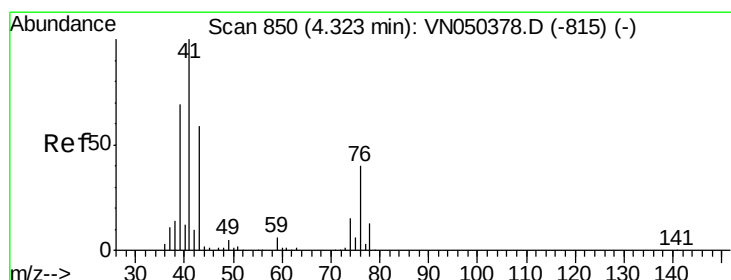
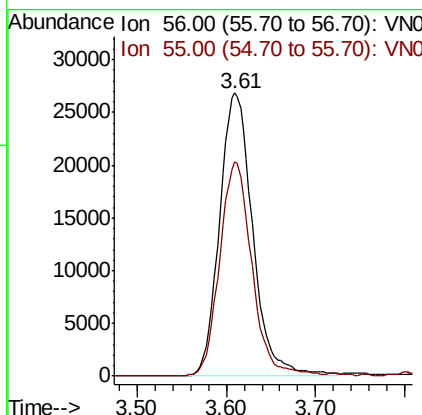
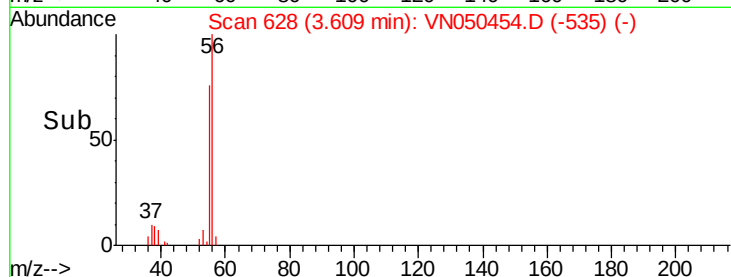
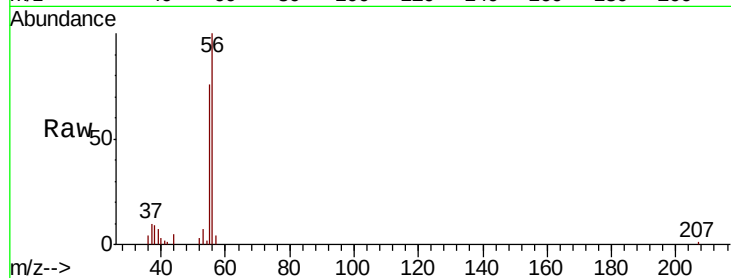
#13
 Acrolein
 Concen: 75.40 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	56	55	Ratio	Lower	Upper
69379	100	73.4		55.8	83.6

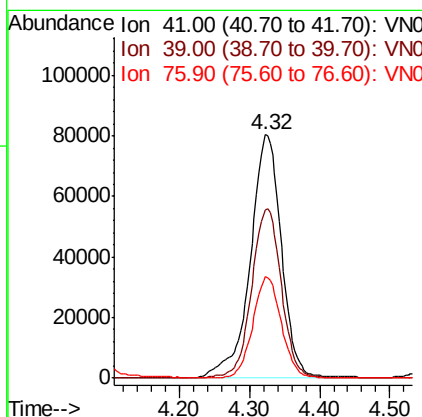
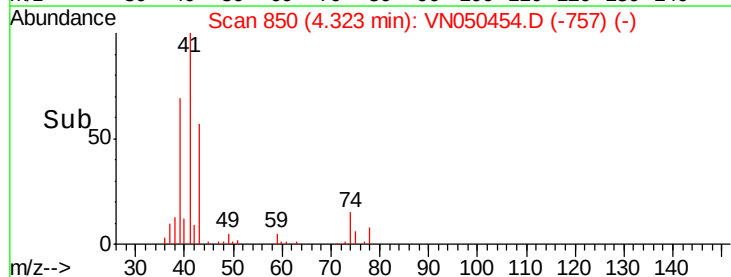
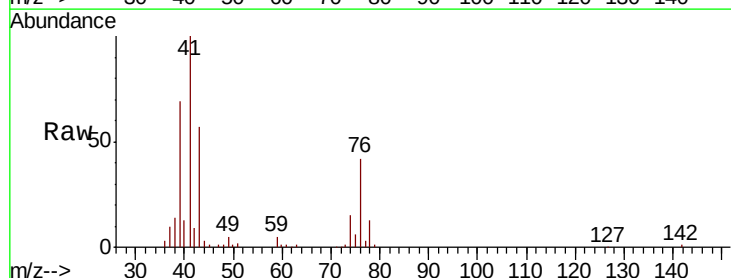
Manual Integrations
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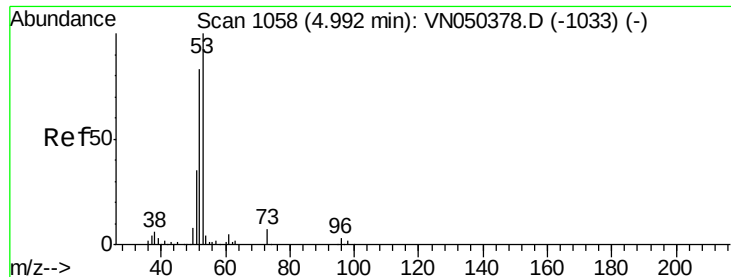
MMDadoda
 8/9/2018 1:32:13 PM



#14
 Allyl chloride
 Concen: 18.42 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	41	39	76	Ratio	Lower	Upper
247368	100	66.6	37.4		54.2	81.4





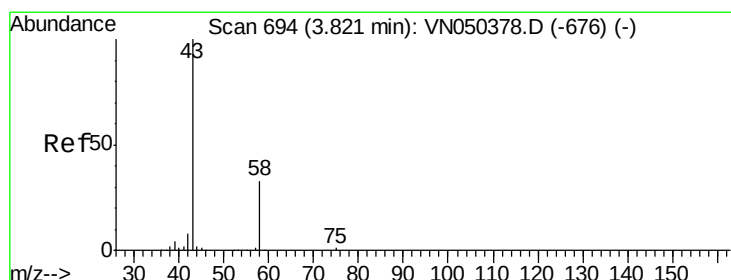
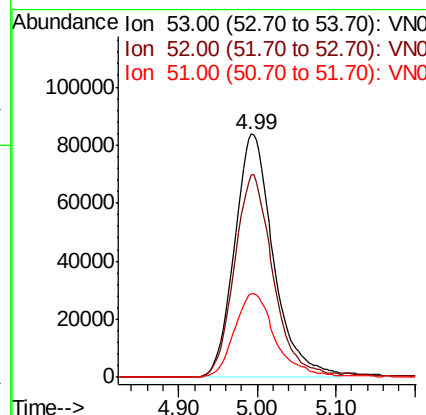
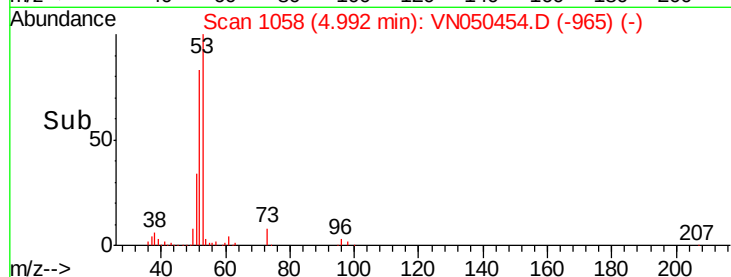
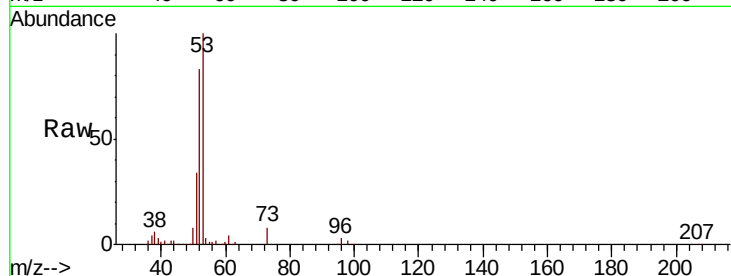
#15
 Acrylonitrile
 Concen: 83.45 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	53	Resp	290208
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.3	29.3	43.9

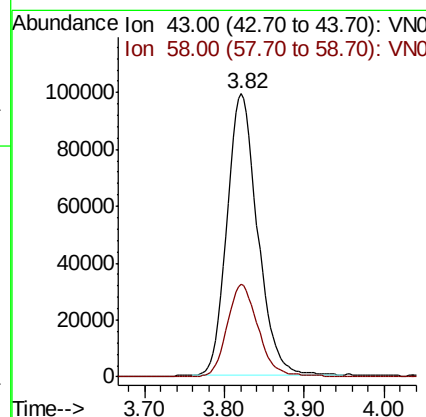
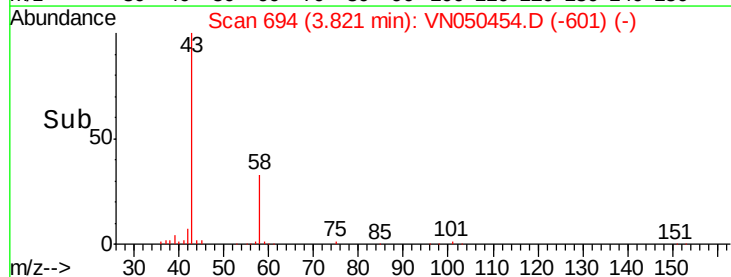
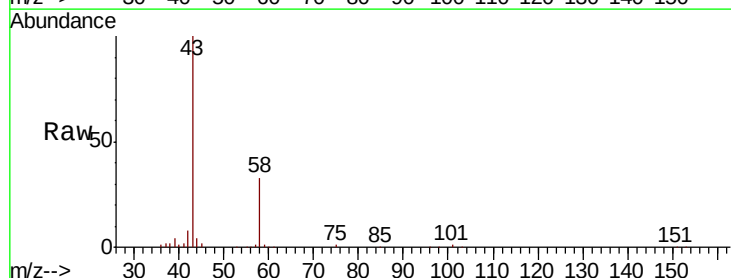
Manual Integrations
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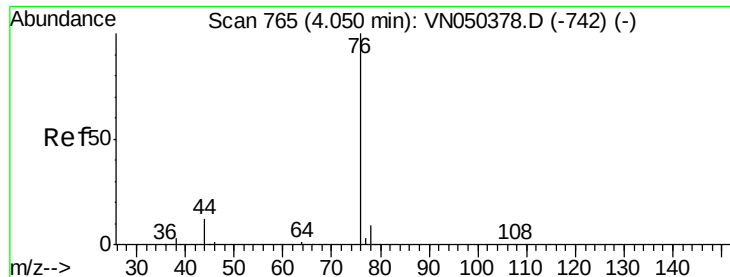
MMDadoda
 8/9/2018 1:32:13 PM



#16
 Acetone
 Concen: 84.13 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	43	Resp	260023
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.8	38.8





#17

Carbon Disulfide

Concen: 16.89 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 76 Resp: 459341

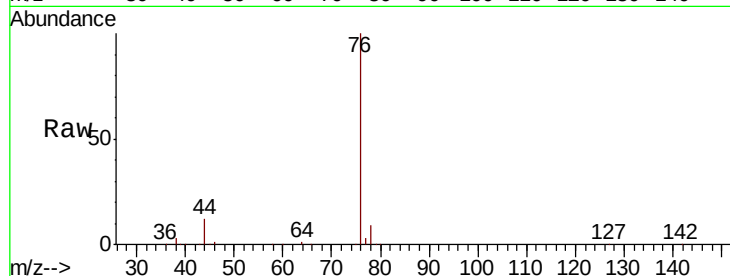
Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

Manual Integrations
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8/9/2018 1:32:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN050378.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050378.D (-742) (-)

200000

150000

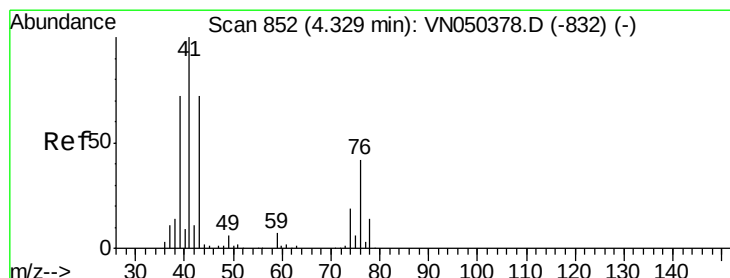
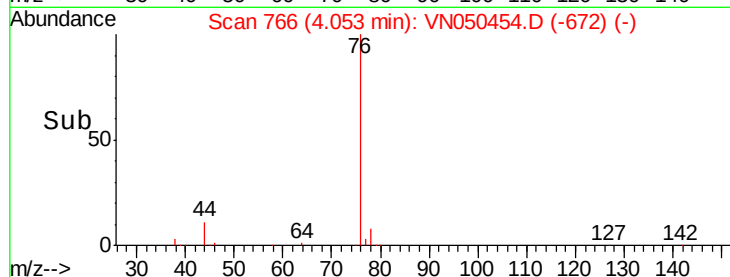
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 17.59 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050454.D

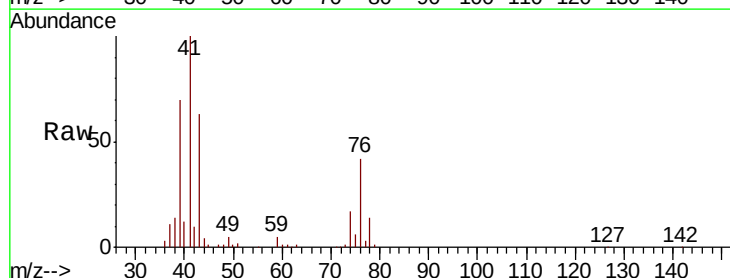
Acq: 8 Aug 2018 13:11

Tgt Ion: 43 Resp: 141856

Ion Ratio Lower Upper

43 100

74 26.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)

50000

40000

30000

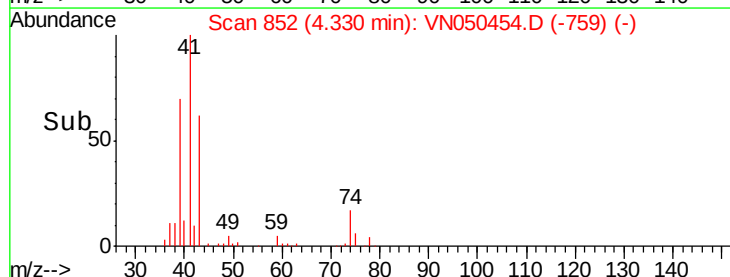
20000

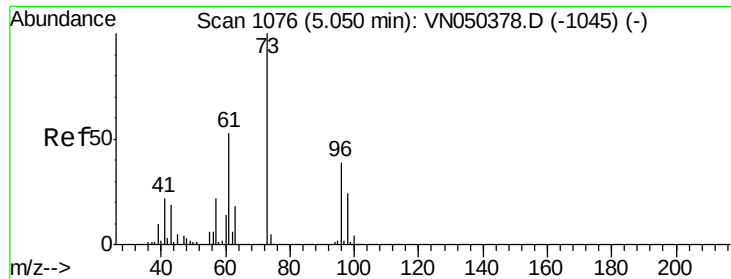
10000

0

4.20 4.30 4.40

Time-->





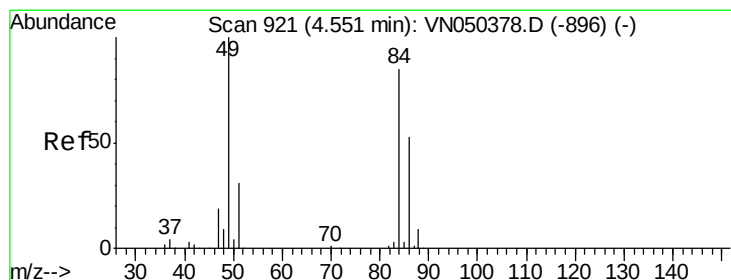
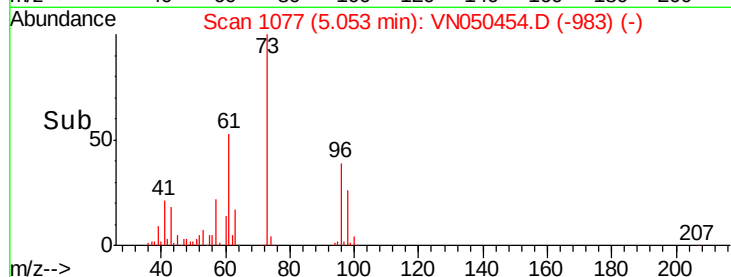
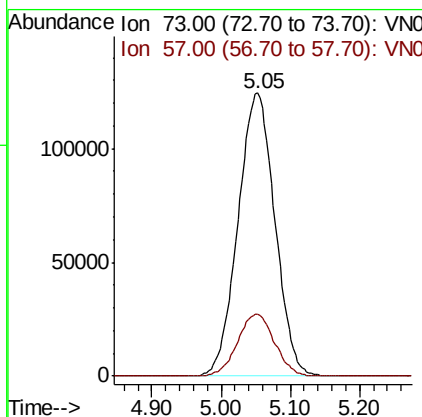
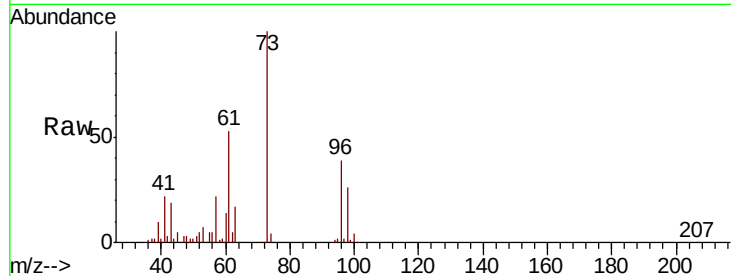
#19
Methvl tert-butvl Ether
Concen: 19.40 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion: 73 Resp: 460551
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

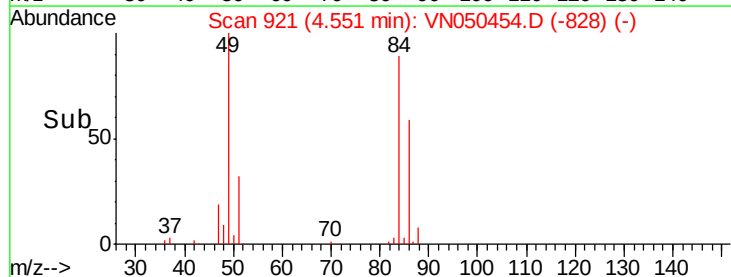
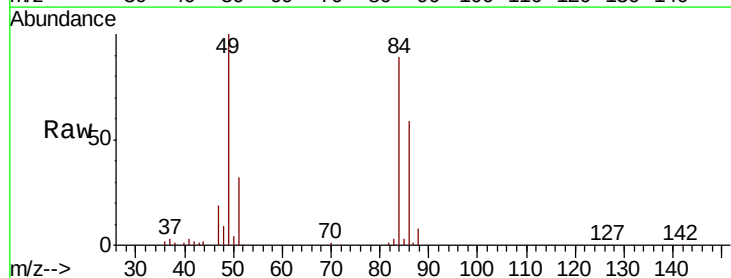
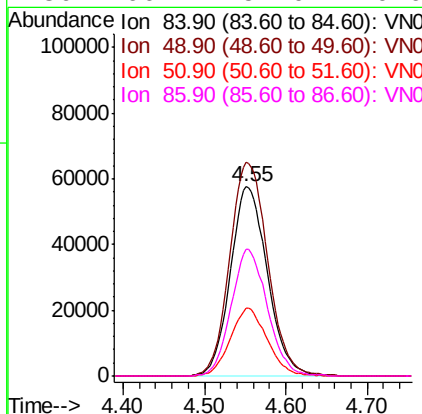
Manual Integrations
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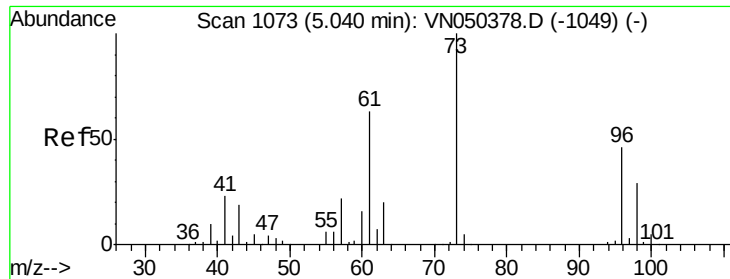
MMDadoda
8/9/2018 1:32:13 PM



#20
Methylene Chloride
Concen: 18.31 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 84 Resp: 181835
Ion Ratio Lower Upper
84 100
49 112.9 94.8 142.2
51 35.7 28.3 42.5
86 66.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 96 Resp: 171437

Ion Ratio Lower Upper

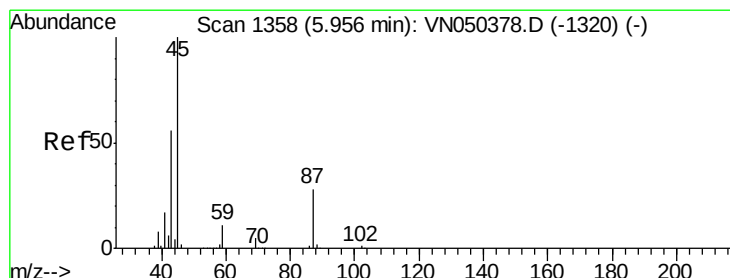
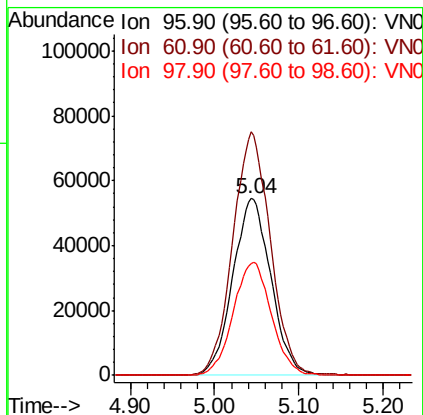
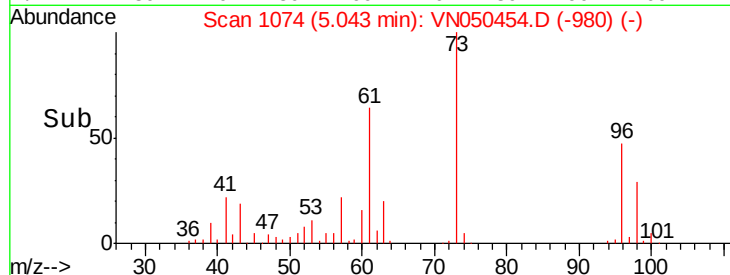
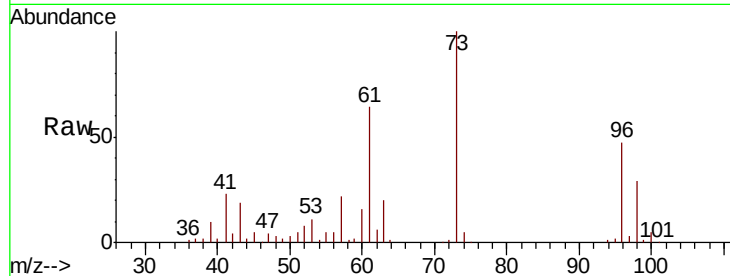
96 100

61 137.9 110.7 166.1

98 63.2 51.6 77.4

Manual Integrations
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8/9/2018 1:32:13 PM



#22

Diisopropyl ether

Concen: 19.48 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion: 45 Resp: 534305

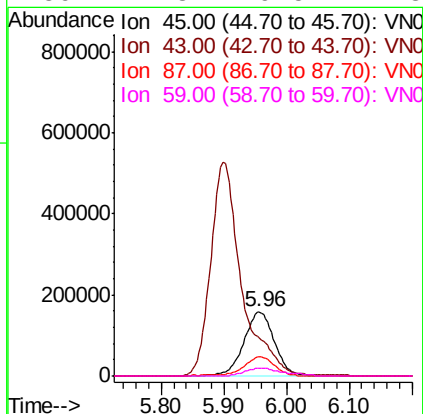
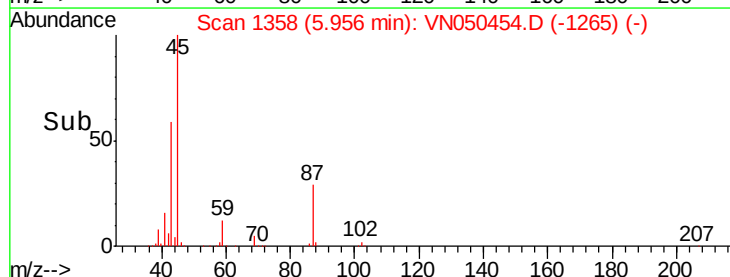
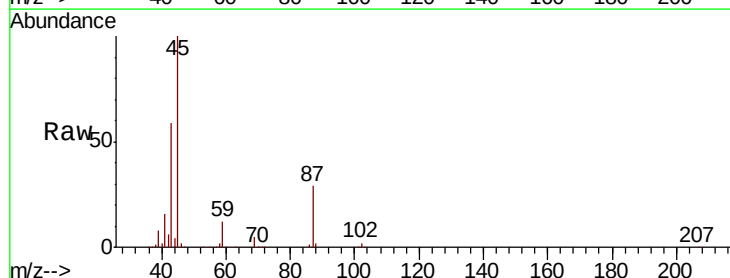
Ion Ratio Lower Upper

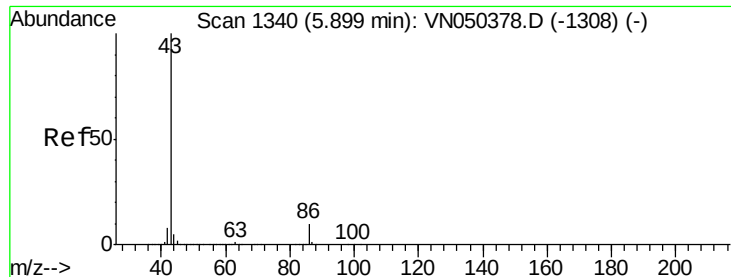
45 100

43 58.1 45.7 68.5

87 29.4 22.7 34.1

59 11.8 9.5 14.3





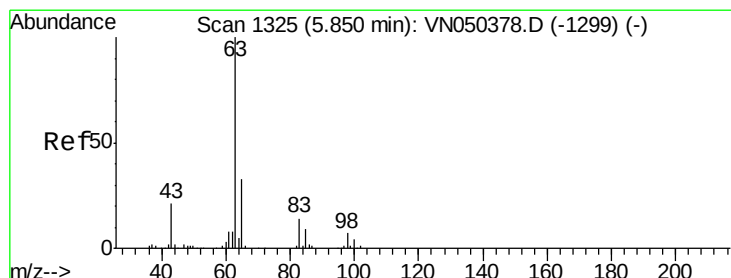
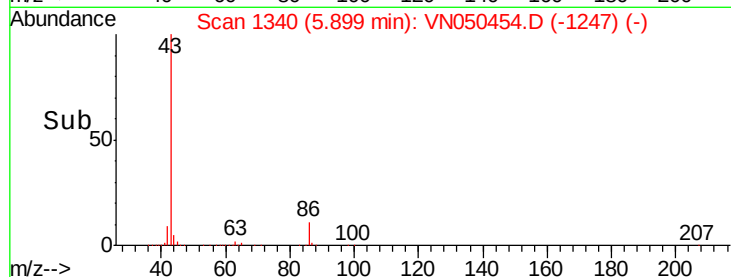
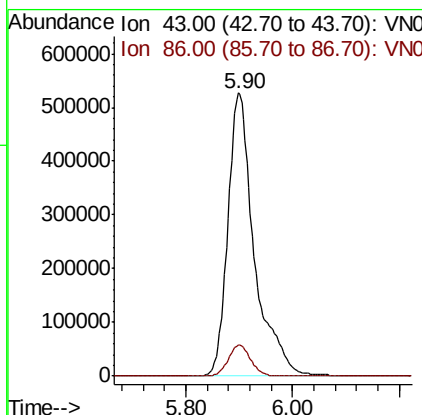
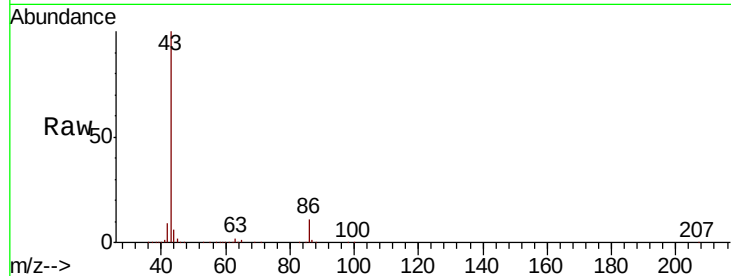
#23
 Vinyl Acetate
 Concen: 92.50 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion: 43 Resp: 1810456
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

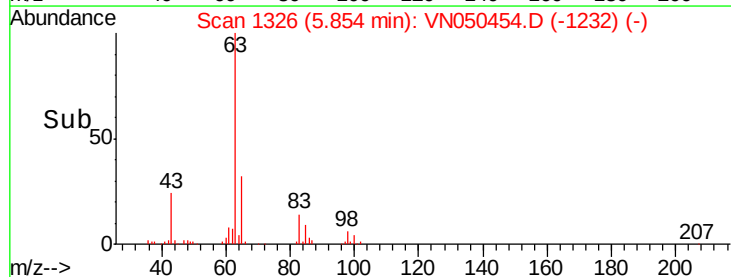
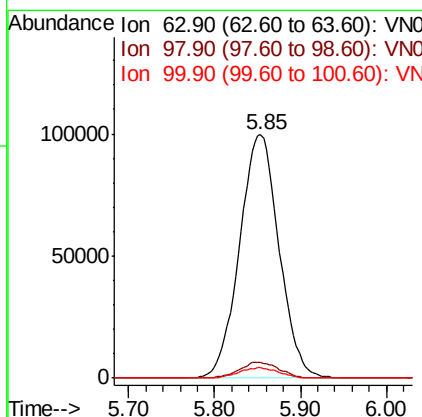
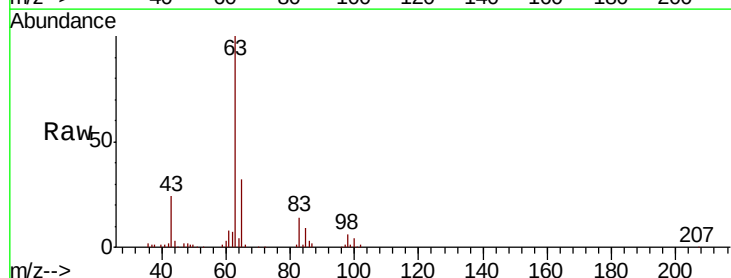
Manual Integrations
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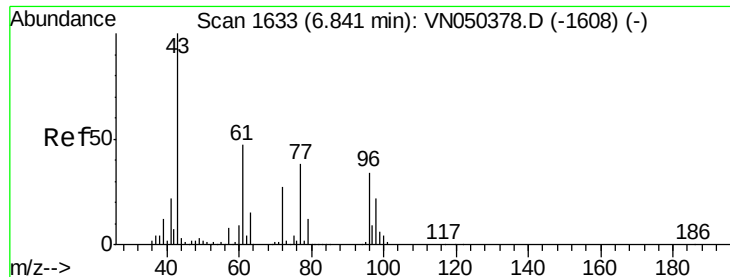
MMDadoda
 8/9/2018 1:32:13 PM



#24
 1,1-Dichloroethane
 Concen: 18.89 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 63 Resp: 318009
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.2 2.1 6.3





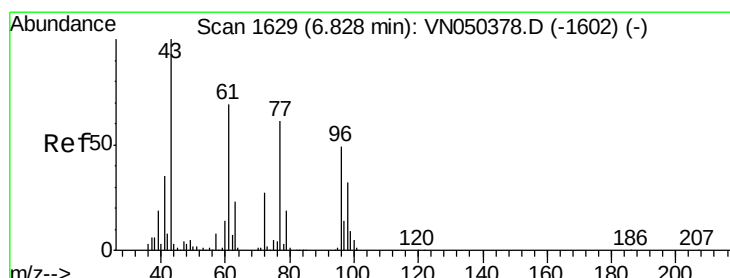
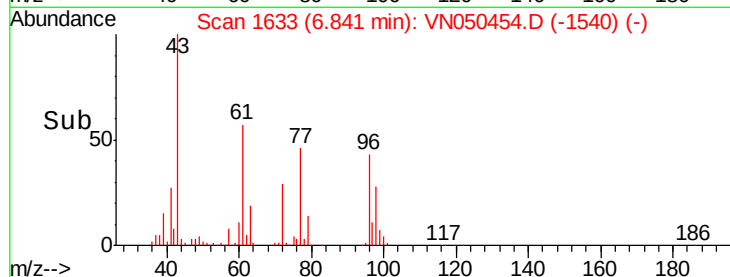
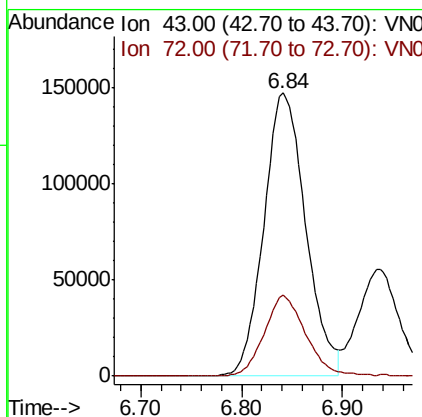
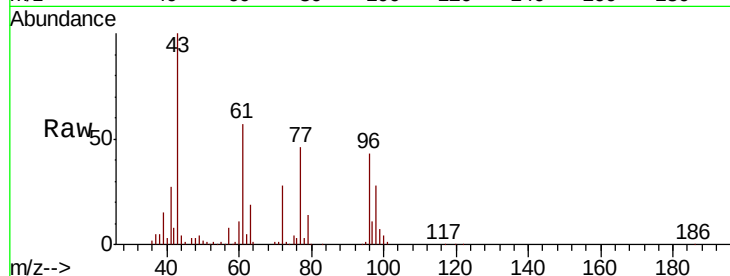
#25
2-Butanone
Concen: 83.08 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion: 43 Resp: 425473
Ion Ratio Lower Upper
43 100
72 28.5 21.5 32.3

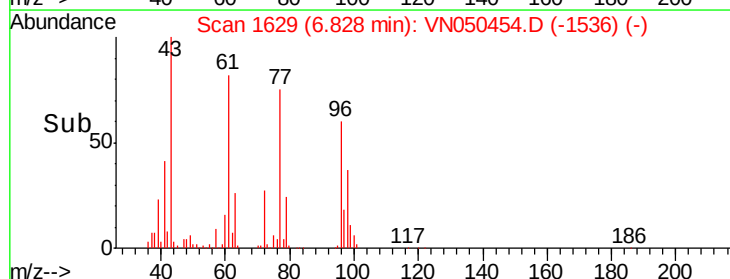
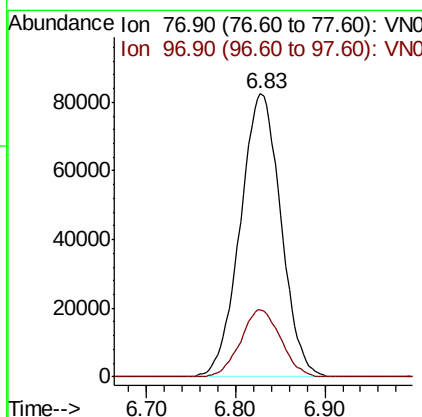
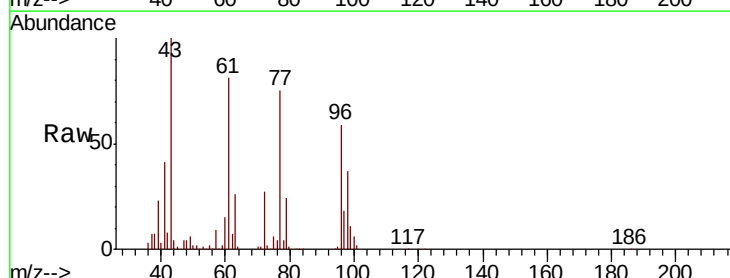
Manual Integrations
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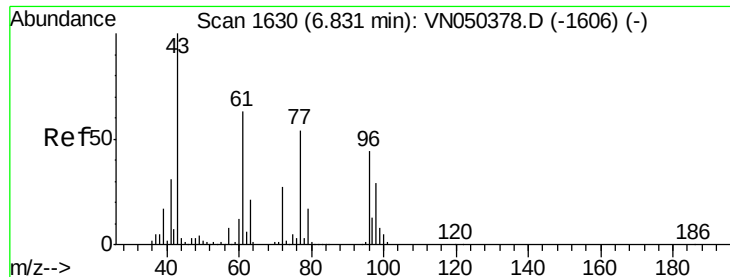
MMDadoda
8/9/2018 1:32:13 PM



#26
2,2-Dichloropropane
Concen: 18.82 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion: 77 Resp: 261160
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





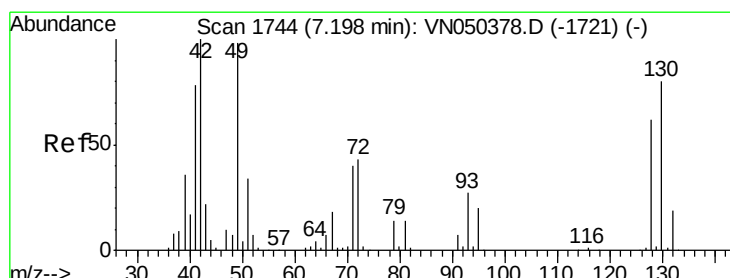
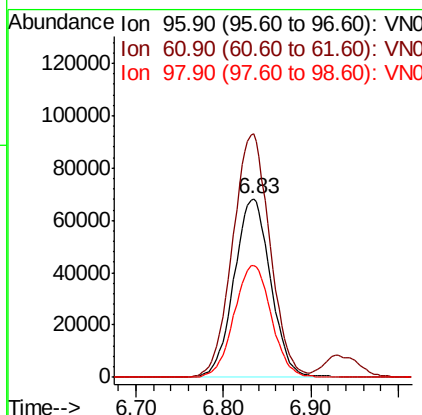
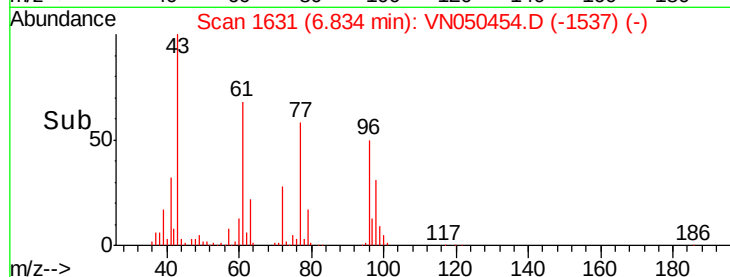
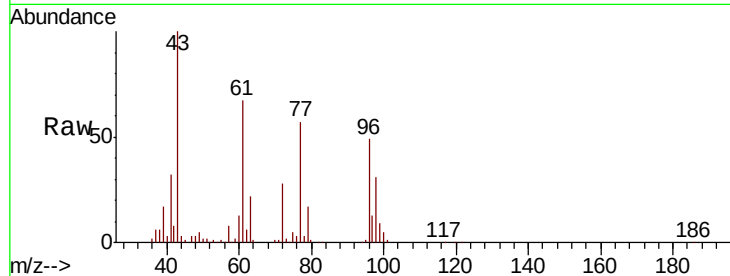
#27
 cis-1,2-Dichloroethene
 Concen: 19.74 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.5	0.0	285.0	
98	63.9	0.0	129.2	

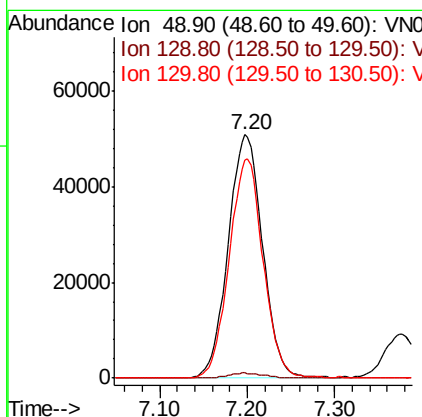
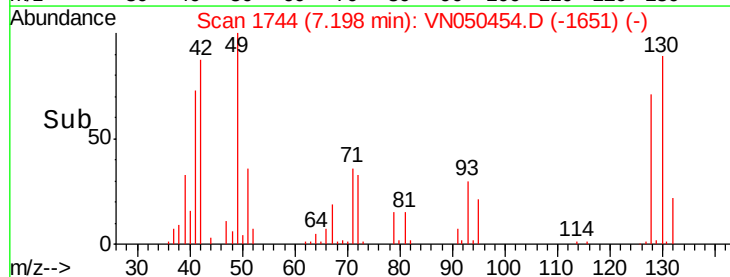
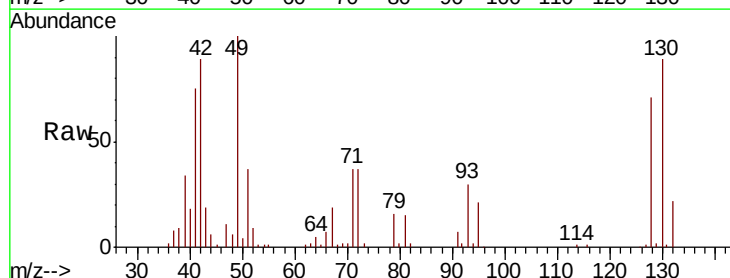
Manual Integrations
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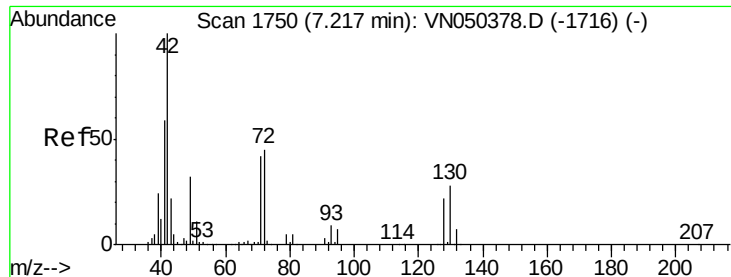
MMDadoda
 8/9/2018 1:32:13 PM



#28
 Bromochloromethane
 Concen: 17.92 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	88.7	66.3	99.5	





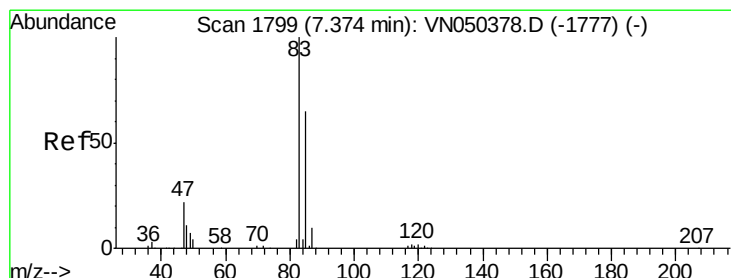
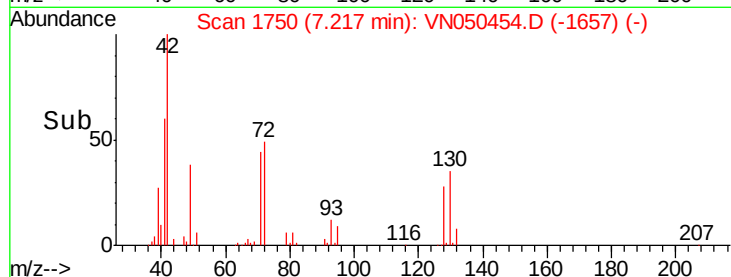
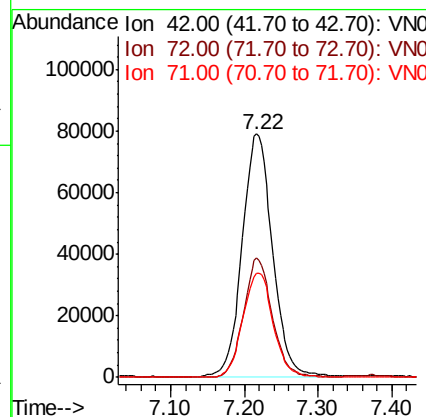
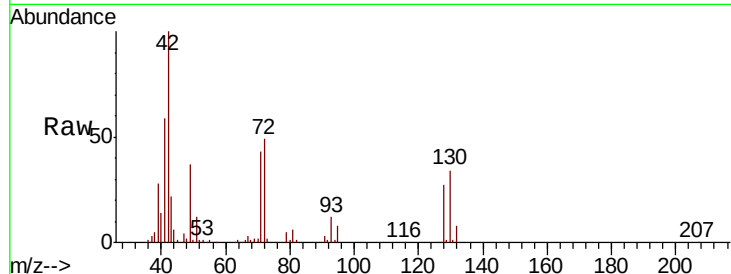
#29
Tetrahydrofuran
Concen: 82.38 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	35.9	53.9
71	42.9	33.7	50.5

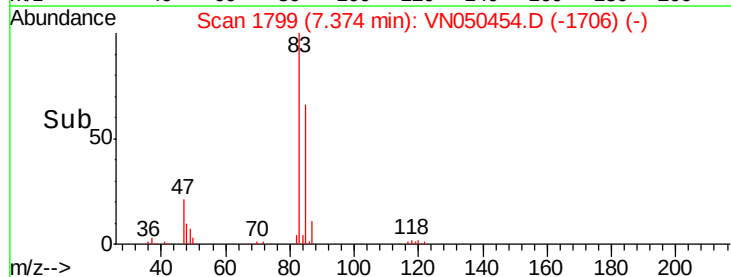
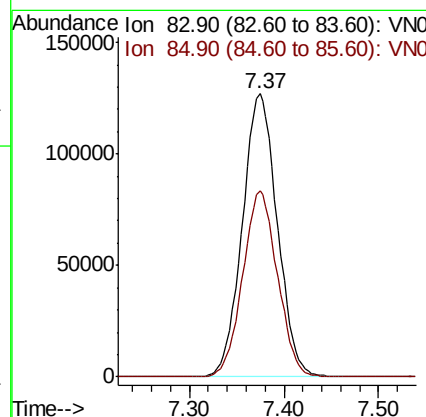
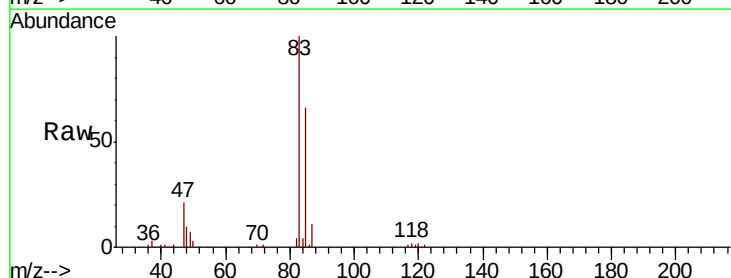
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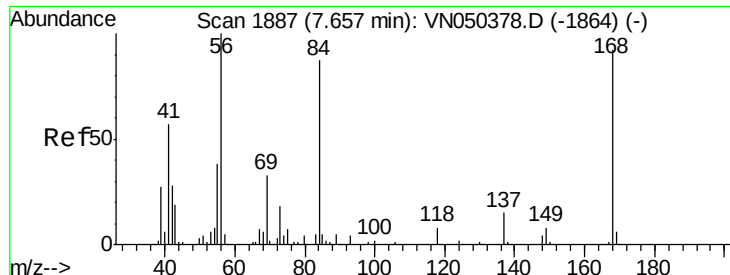
MMDadoda
8/9/2018 1:32:13 PM



#30
Chloroform
Concen: 19.35 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.5	78.7





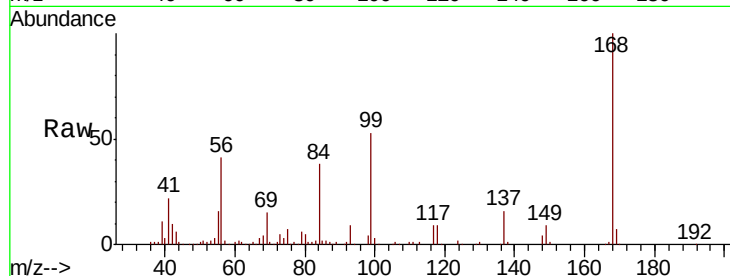
#31
Cyclohexane
Concen: 18.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

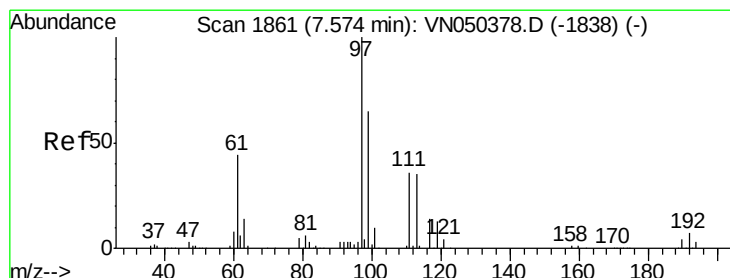
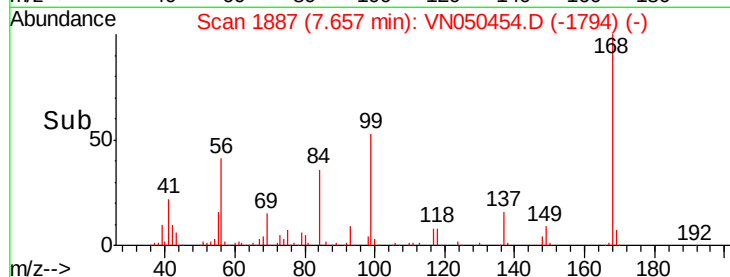
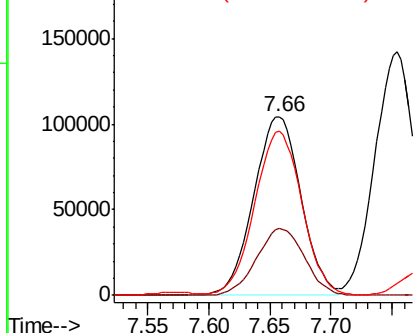
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.2	39.4
84	90.8	67.4	101.0

Manual Integrations
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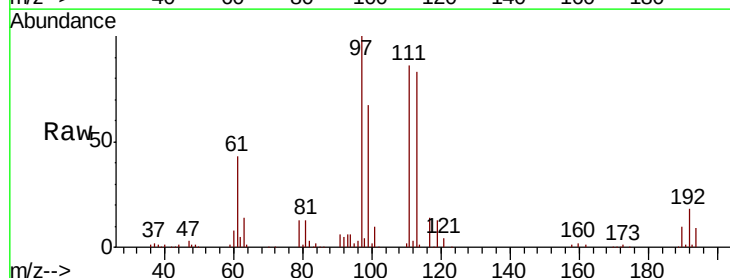


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

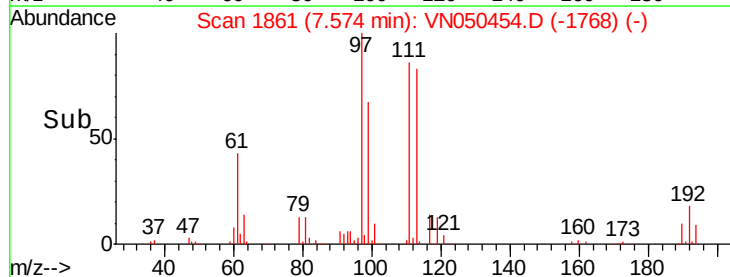
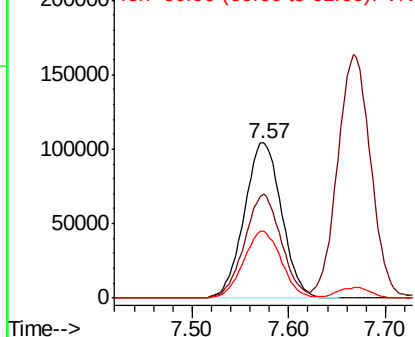


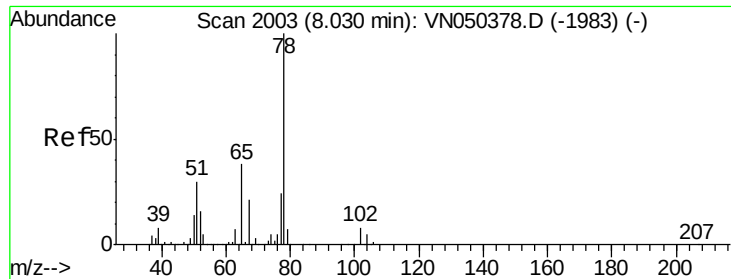
#32
1,1,1-Trichloroethane
Concen: 19.34 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.4	77.0
61	43.5	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





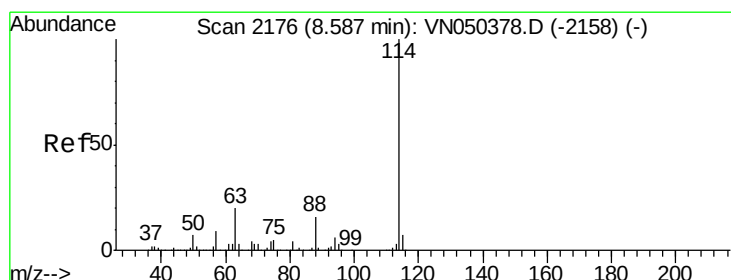
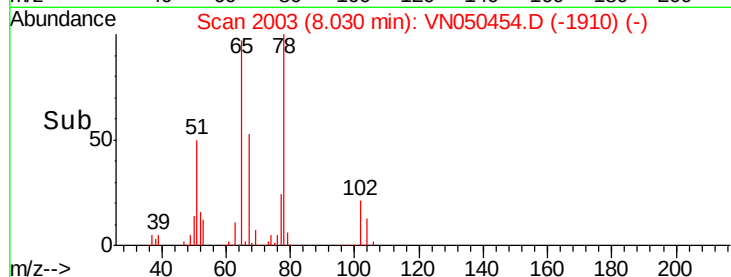
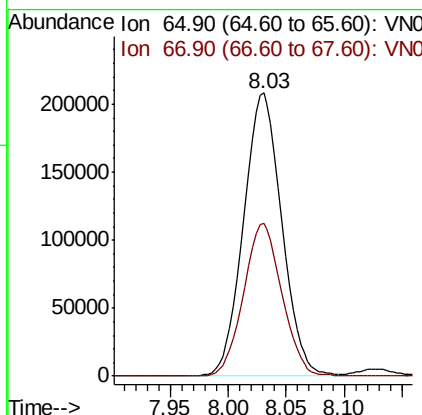
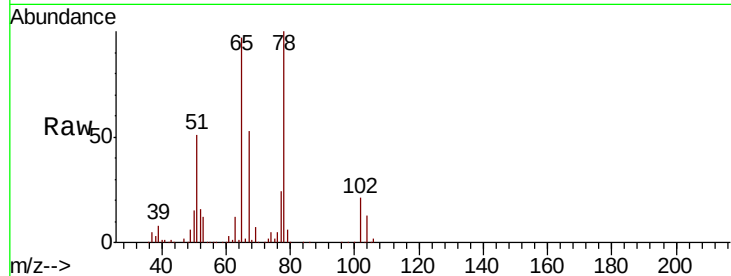
#33
 1,2-Dichloroethane-d4
 Concen: 46.41 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	479574		
67	54.1	0.0	108.4	

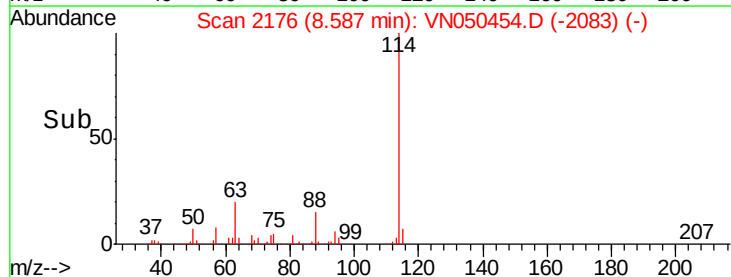
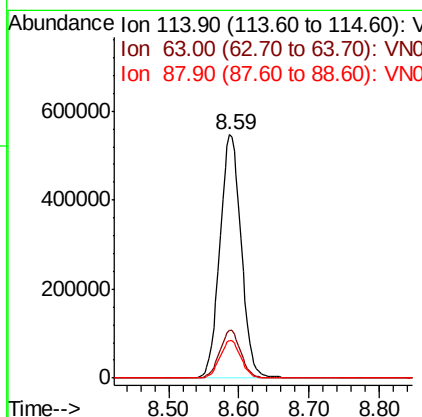
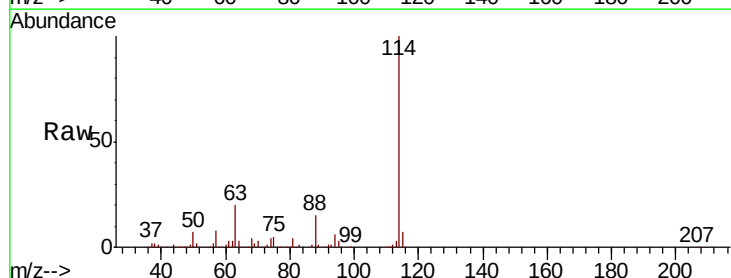
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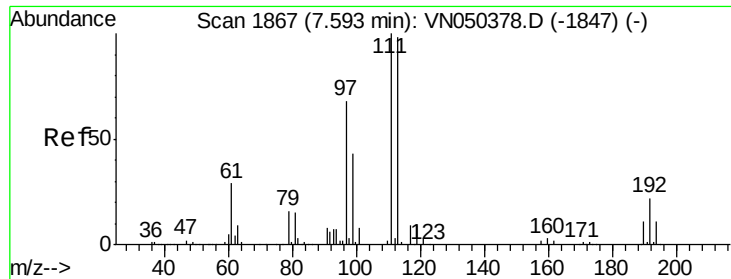
MMDadoda
 8/9/2018 1:32:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1152137		
63	19.6	0.0	40.0	
88	15.5	0.0	31.2	





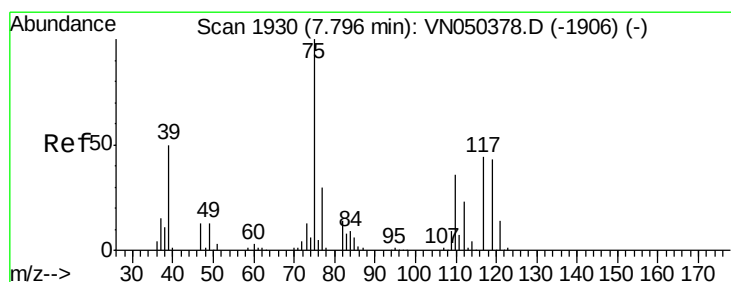
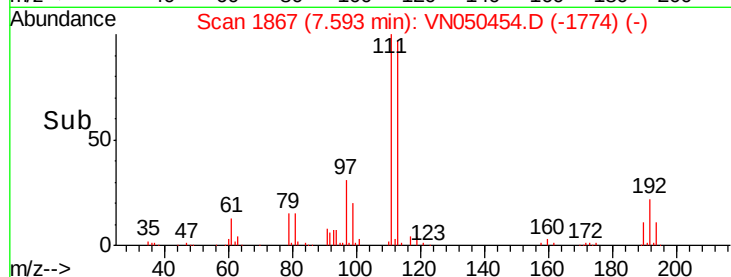
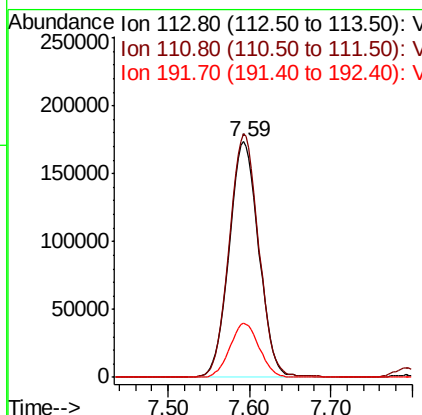
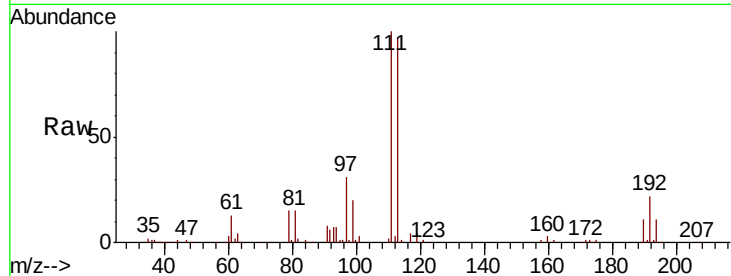
#35
 Dibromofluoromethane
 Concen: 47.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	22.7	17.8	26.6

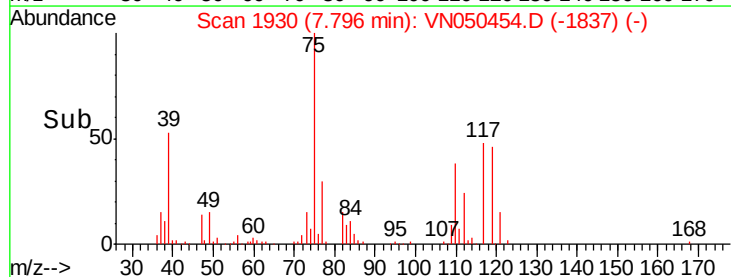
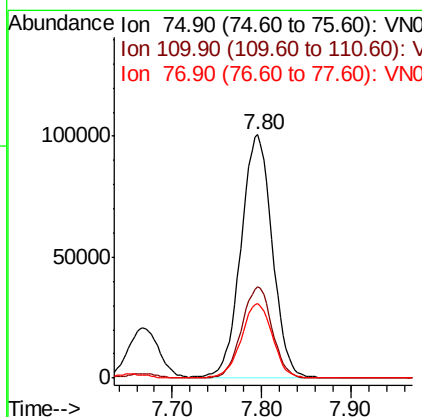
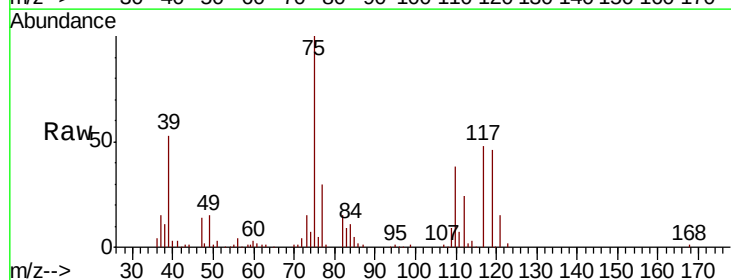
Manual Integrations
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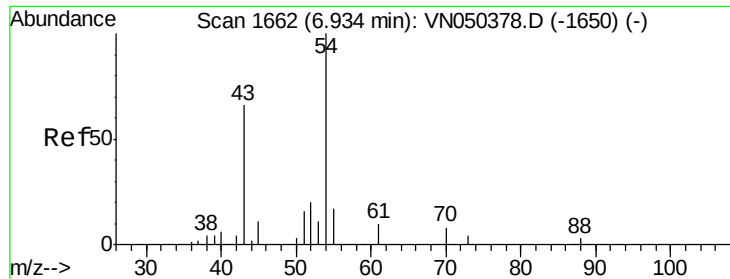
MMDadoda
 8/9/2018 1:32:13 PM



#36
 1,1-Dichloropropene
 Concen: 19.37 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.2
77	30.7	25.3	37.9





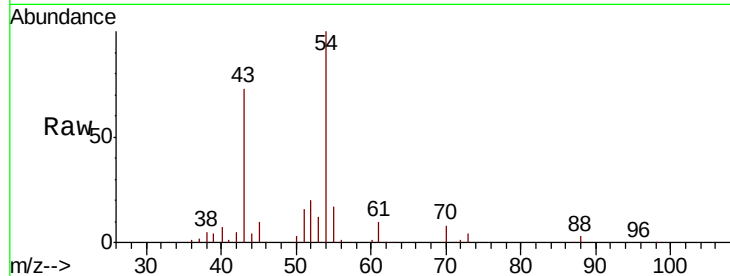
#37
Ethyl Acetate
Concen: 17.04 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

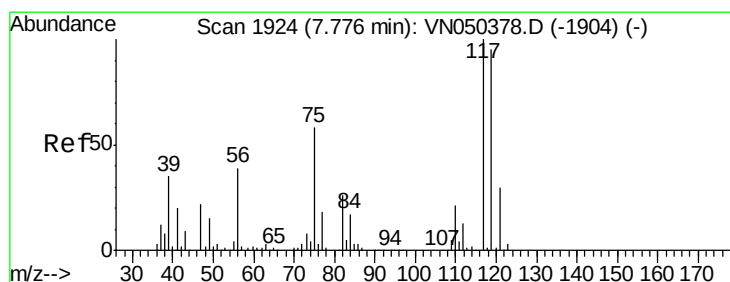
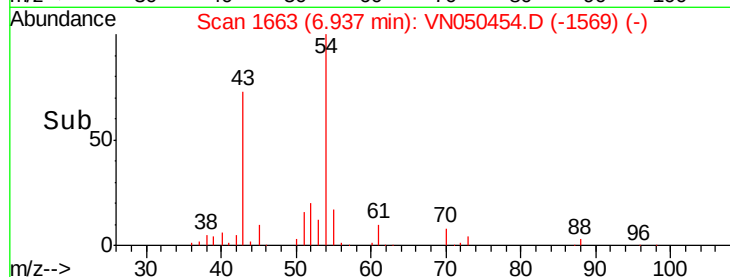
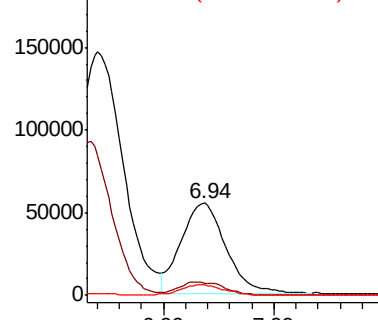
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.8
70	11.3	8.4	12.6

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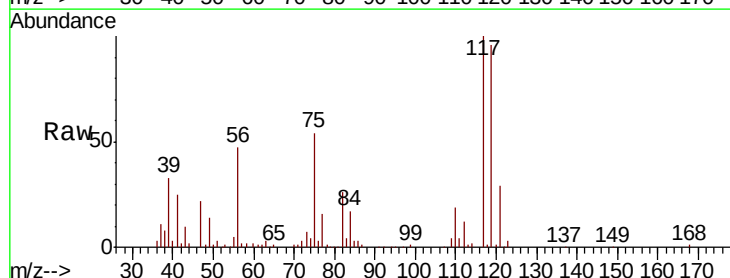


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

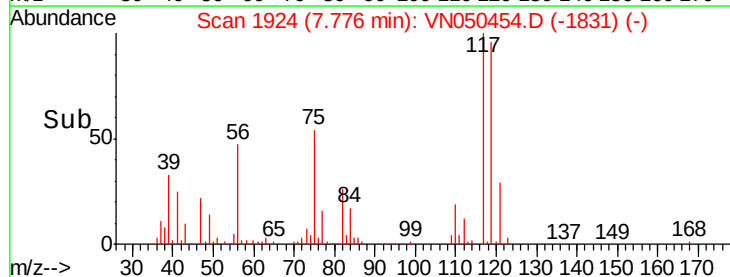
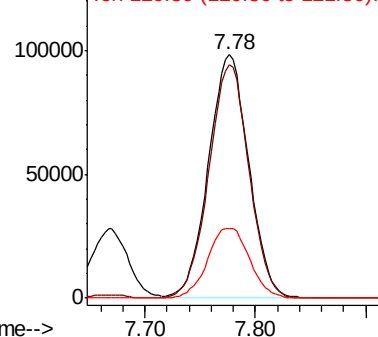


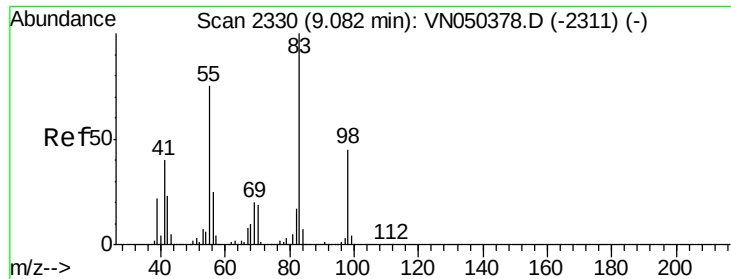
#38
Carbon Tetrachloride
Concen: 18.74 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	28.8	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





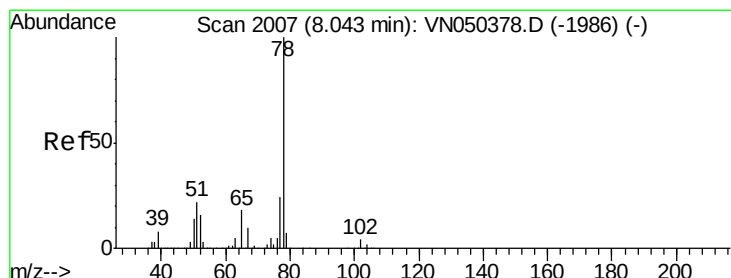
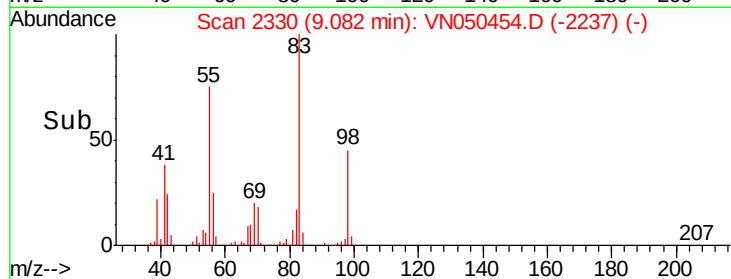
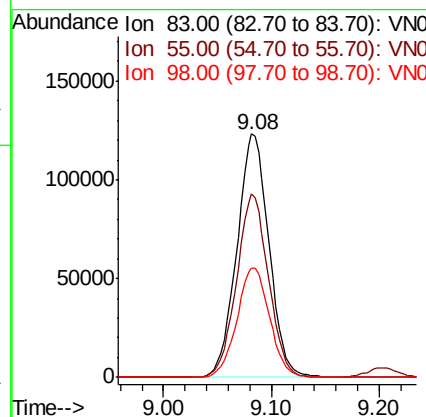
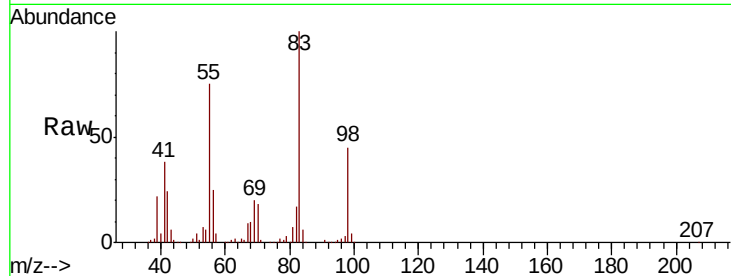
#39
Methylvlcyclohexane
Concen: 18.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	61.8	92.8	
98	44.8	36.5	54.7	

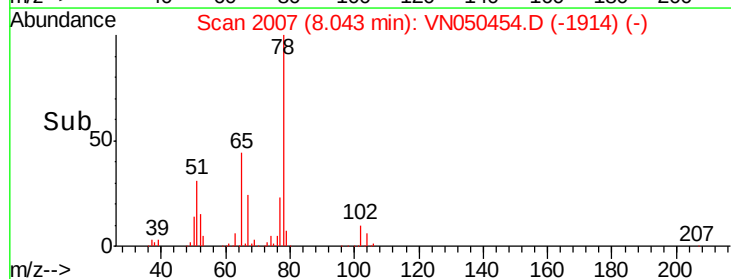
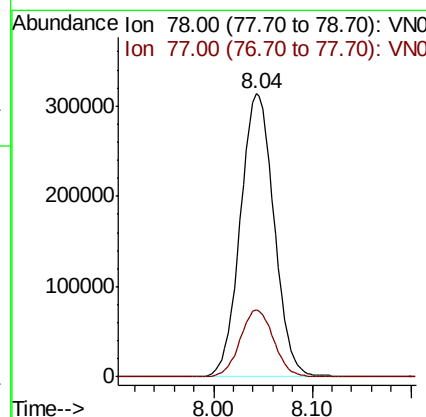
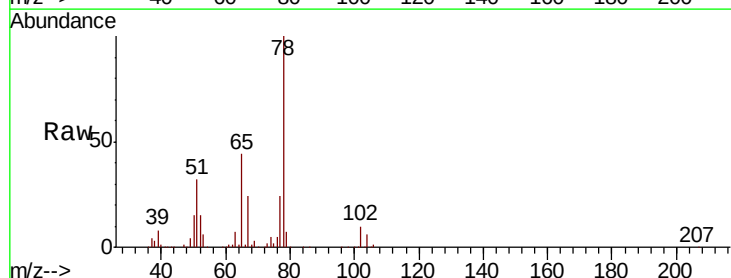
Manual Integrations
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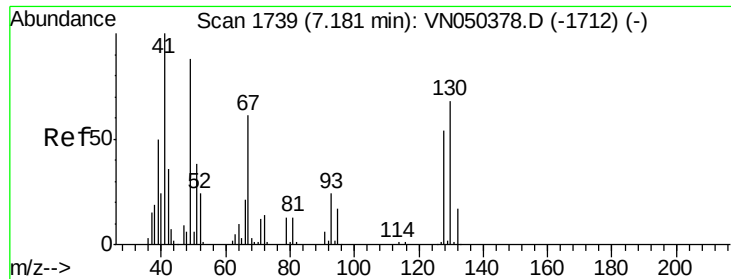
MMDadoda
8/9/2018 1:32:13 PM



#40
Benzene
Concen: 19.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.7	28.1	





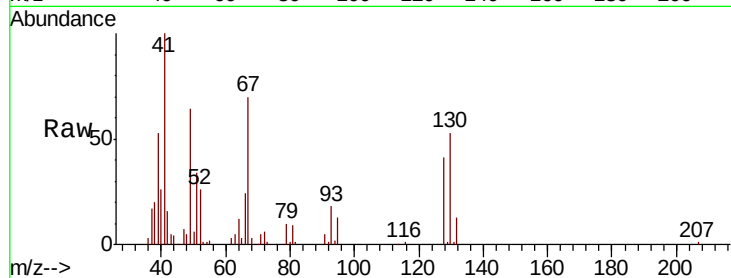
#41
Methacrylonitrile
Concen: 14.98 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	41	Resp	72631
Ion	Ratio	Lower	Upper
41	100		
39	56.7	55.8	83.6
67	96.4	84.3	126.5
52	36.6	34.2	51.2

Manual Integrations
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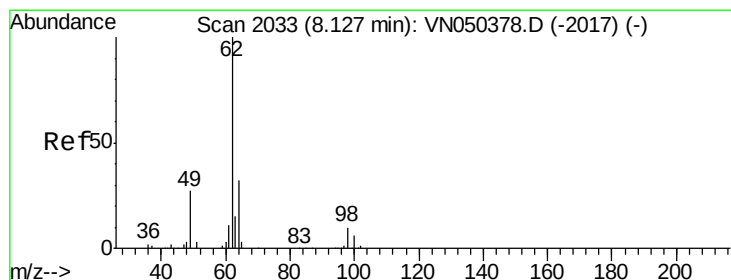
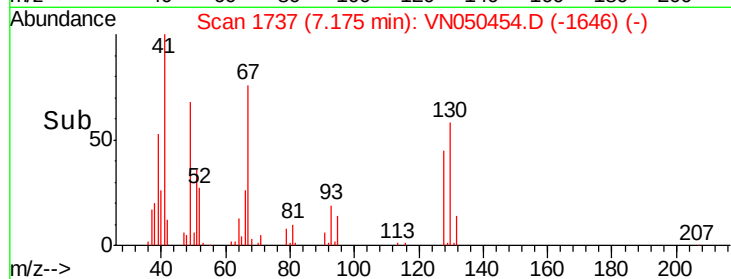
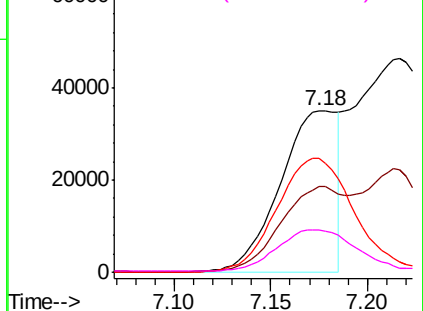
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

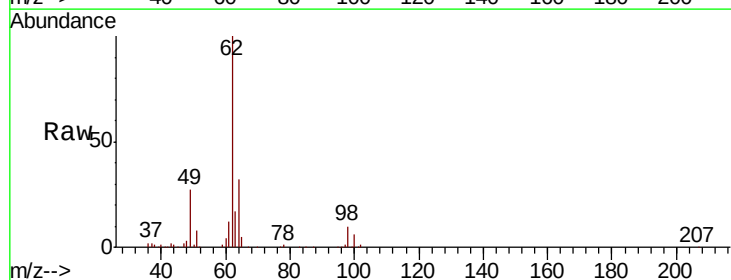
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 18.63 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

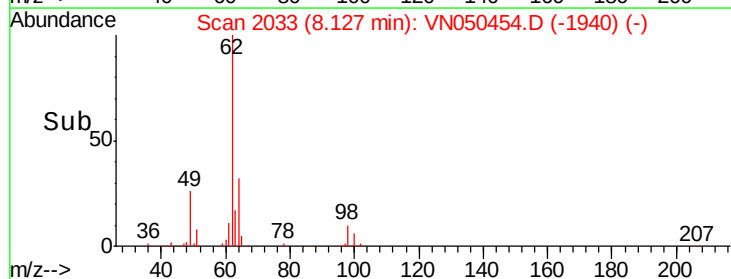
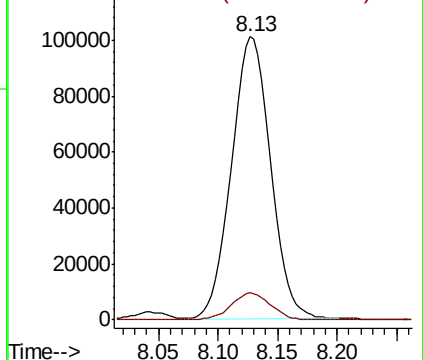
Tgt Ion	62	Resp	230239
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8

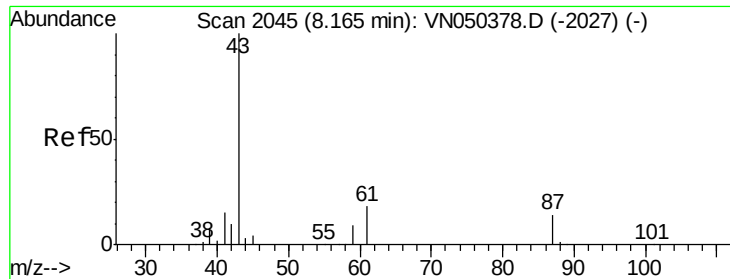


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 17.50 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

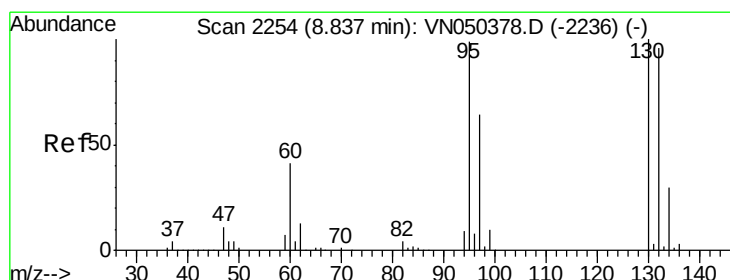
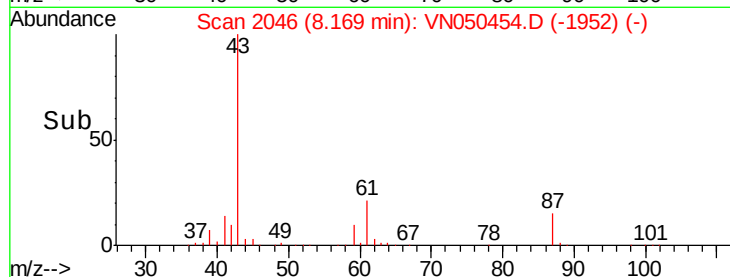
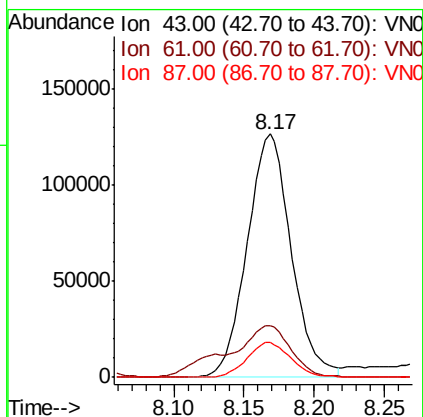
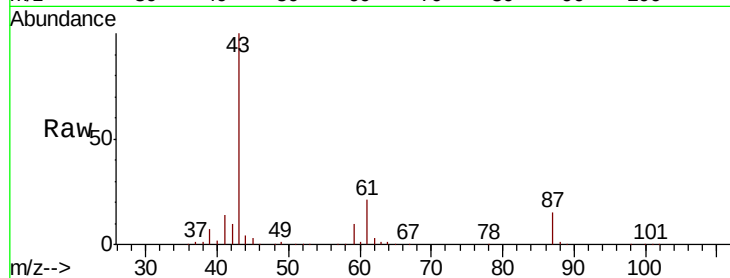
ClientSampleId :

VN0808WBS01

Tot Ion:	43	Resp:	275349
Ion	Ratio	Lower	Upper
43	100		
61	30.2	15.8	23.6#
87	14.5	10.3	15.5

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#44

Trichloroethene

Concen: 19.24 ug/l

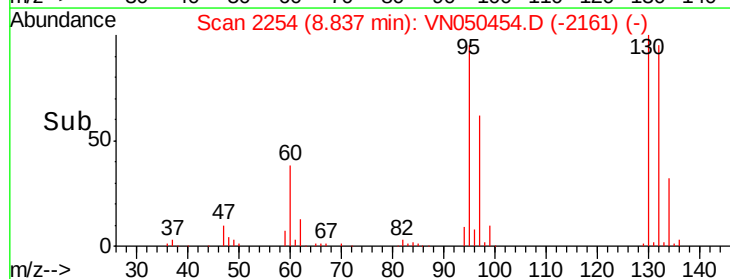
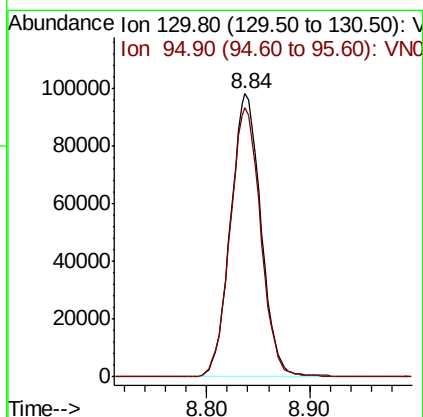
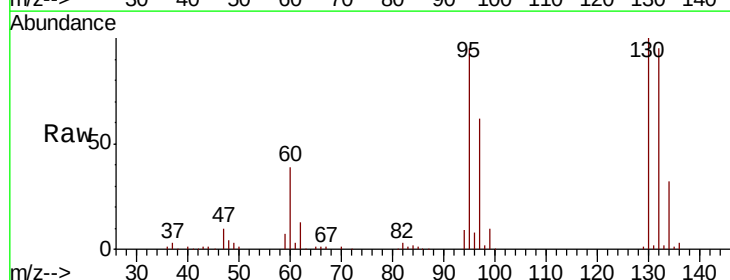
RT: 8.84 min Scan# 2254

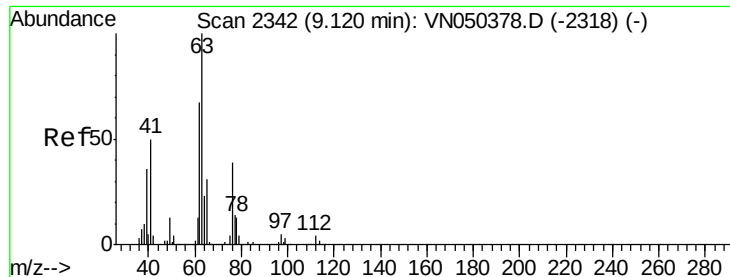
Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion:	130	Resp:	201154
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	194.6





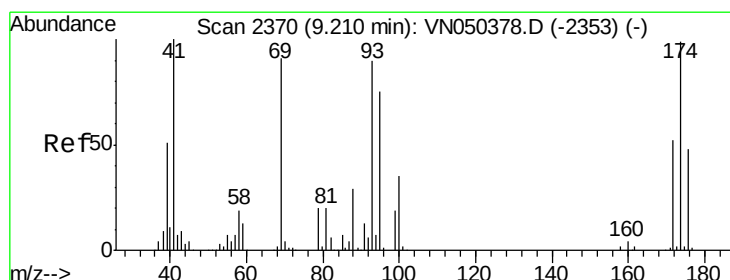
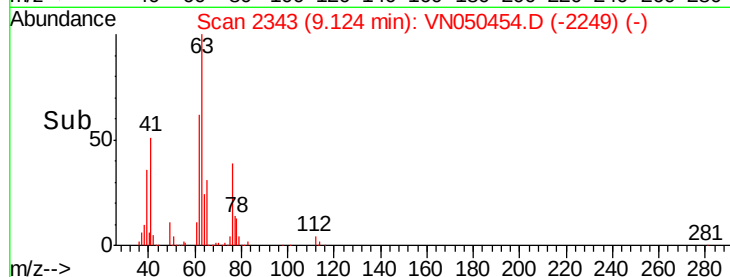
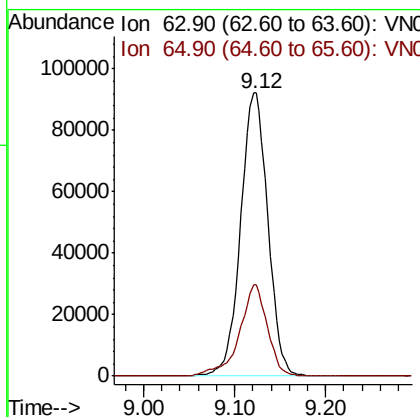
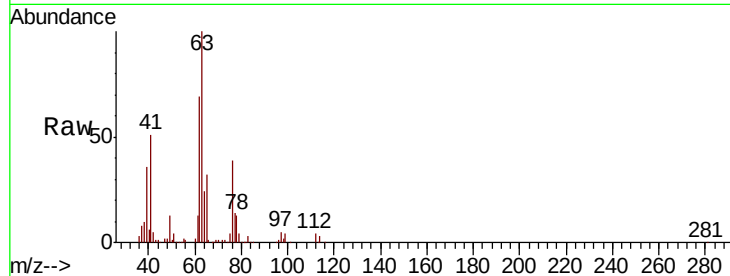
#45
 1,2-Dichloropropane
 Concen: 18.74 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3

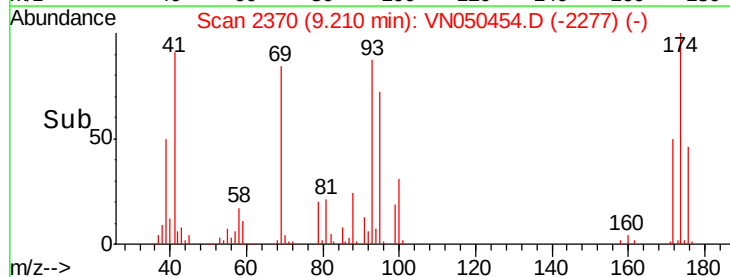
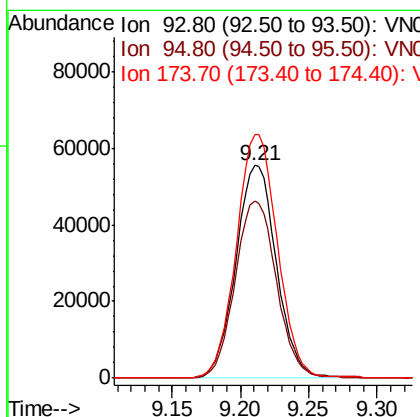
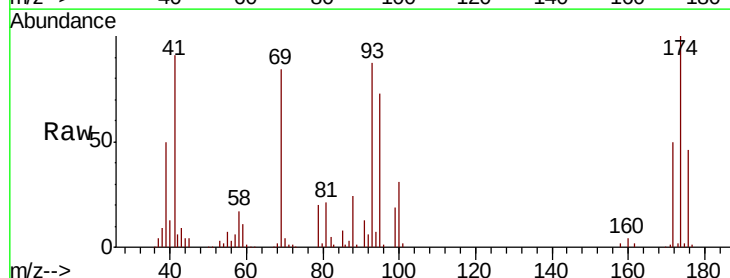
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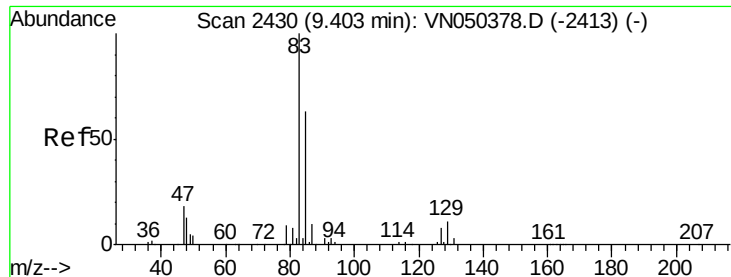
MMDadoda
 8/9/2018 1:32:13 PM



#46
 Dibromomethane
 Concen: 18.18 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.6	100.0
174	116.0	87.1	130.7





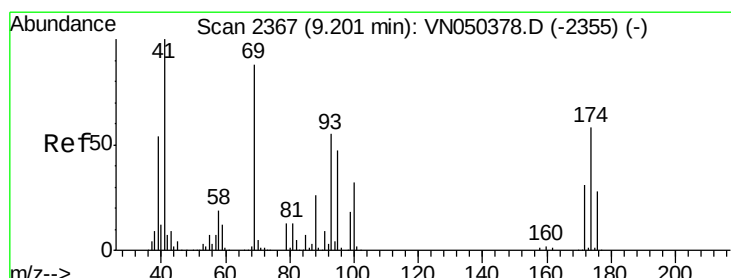
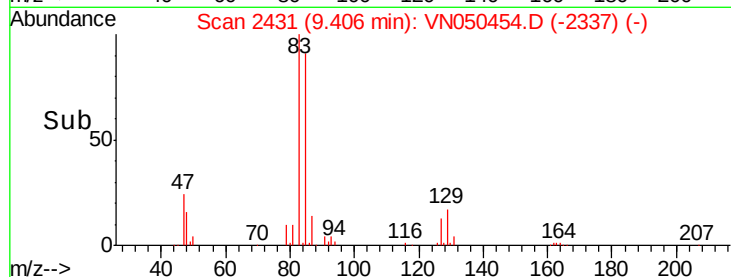
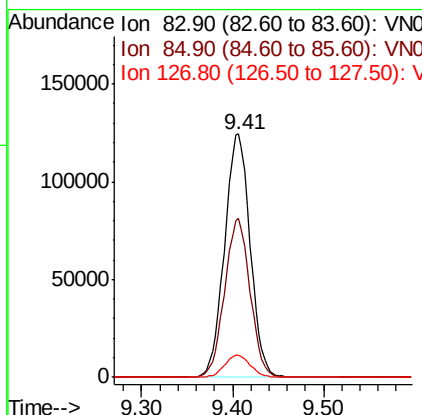
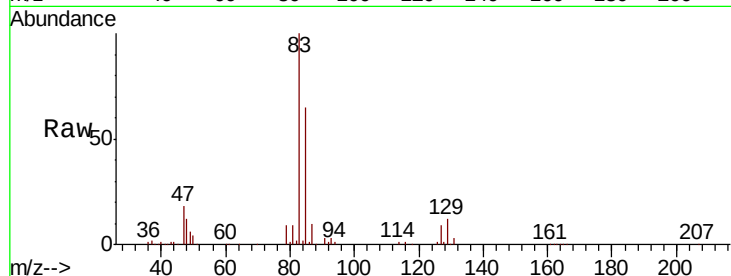
#47
Bromodichloromethane
Concen: 18.61 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	9.0	7.0	10.4

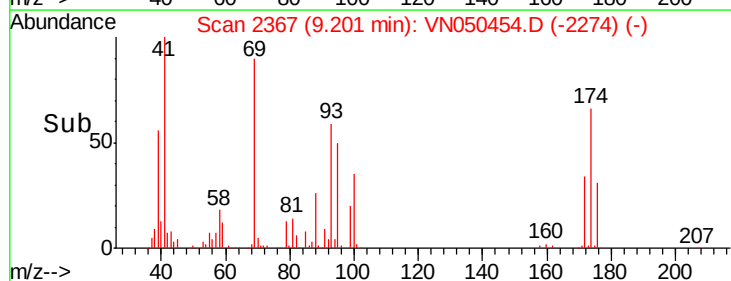
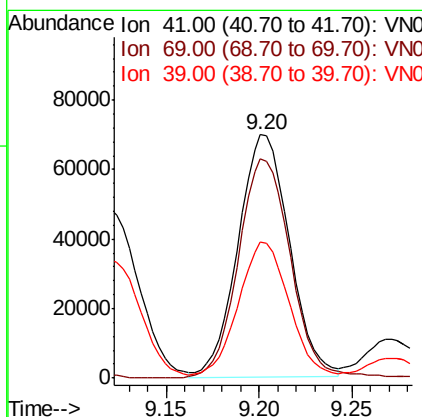
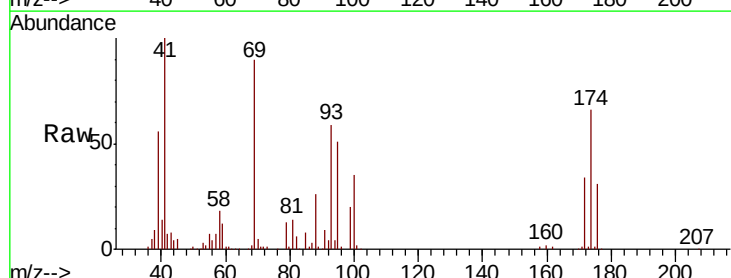
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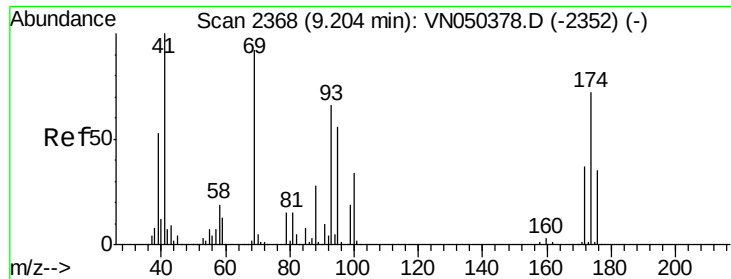
MMDadoda
8/9/2018 1:32:13 PM



#48
Methyl methacrylate
Concen: 17.13 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	70.6	105.8
39	55.3	43.9	65.9





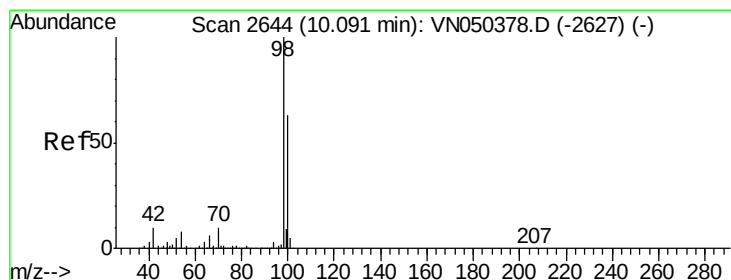
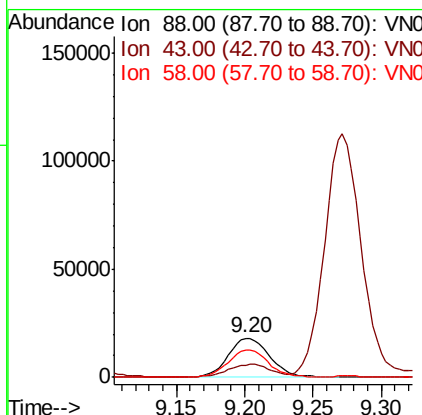
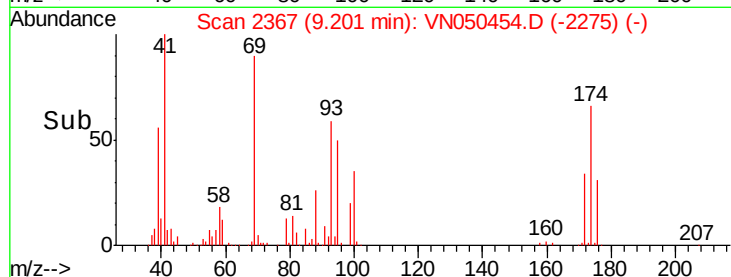
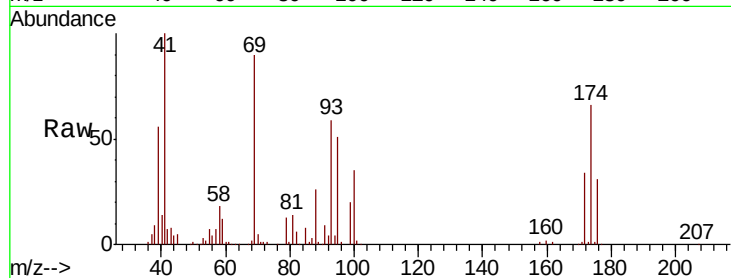
#49
1,4-Dioxane
Concen: 316.15 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.1	26.9	40.3	
58	67.5	57.3	85.9	

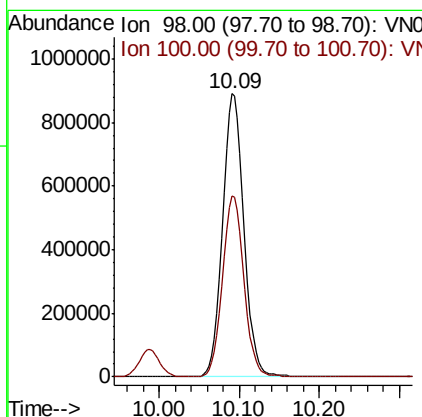
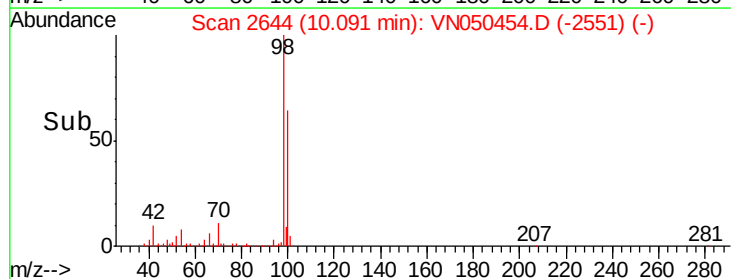
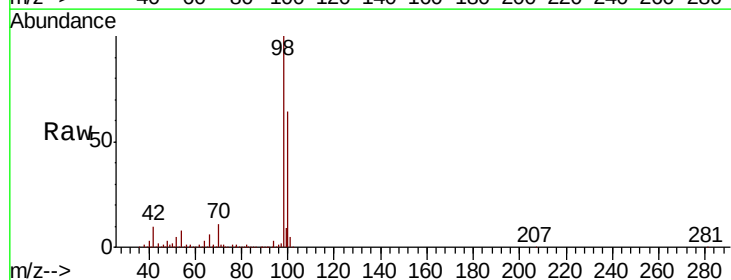
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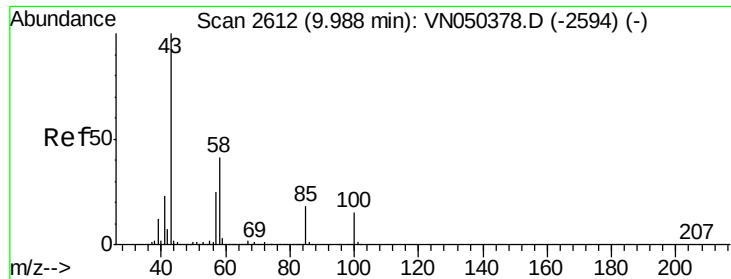
MMDadoda
8/9/2018 1:32:13 PM



#50
Toluene-d8
Concen: 47.10 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	50.7	76.1	





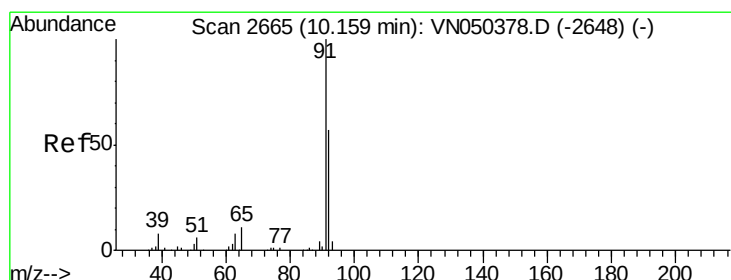
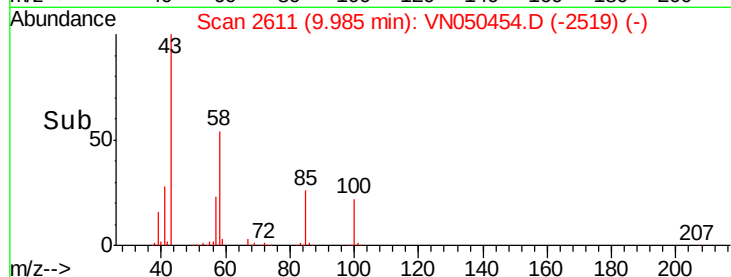
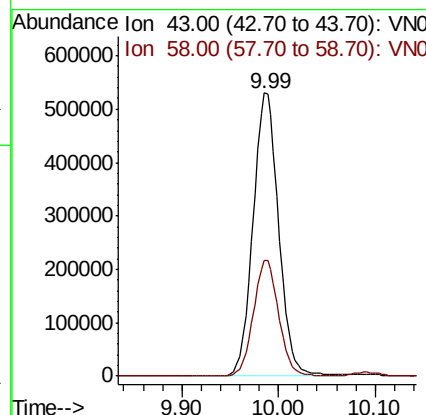
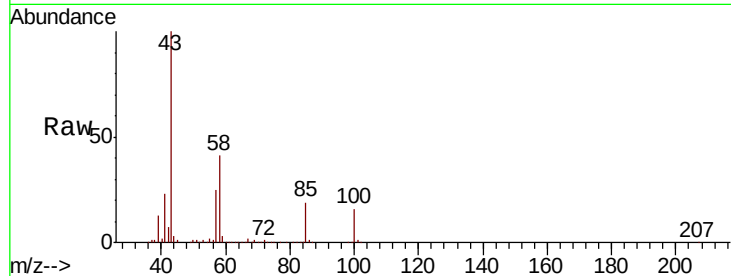
#51
4-Methyl-2-Pentanone
Concen: 85.62 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	43	Resp	970359
Ion Ratio	100	Lower	Upper
43	100		
58	40.4	31.9	47.9

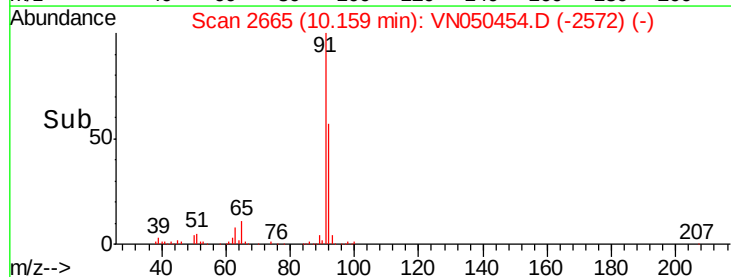
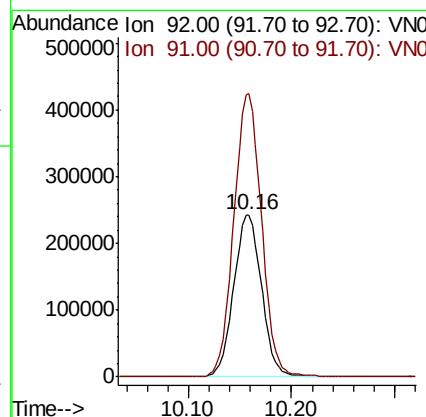
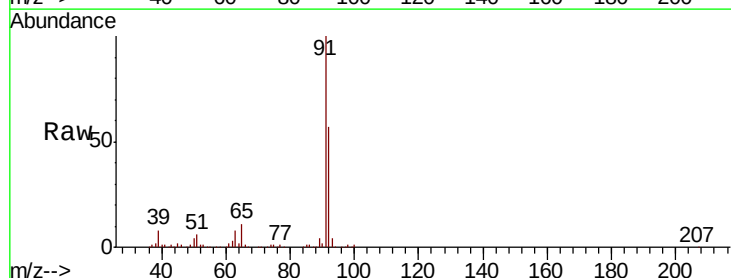
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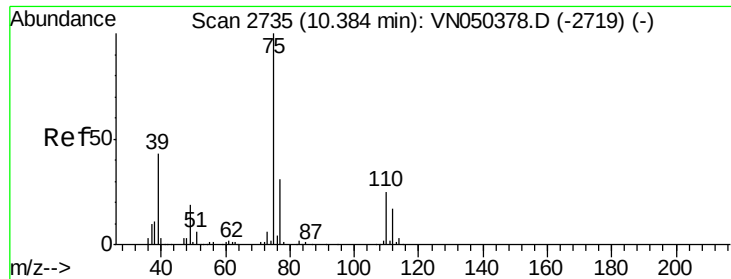
MMDadoda
8/9/2018 1:32:13 PM



#52
Toluene
Concen: 19.57 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	92	Resp	457440
Ion Ratio	100	Lower	Upper
92	100		
91	174.5	140.3	210.5





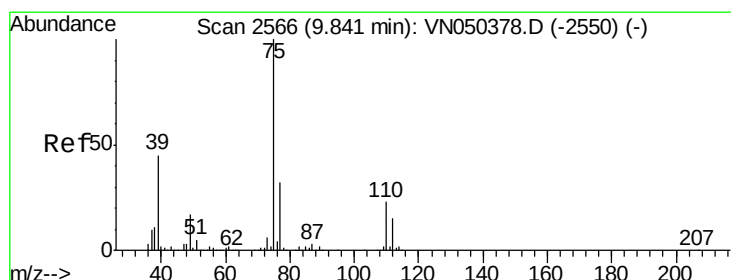
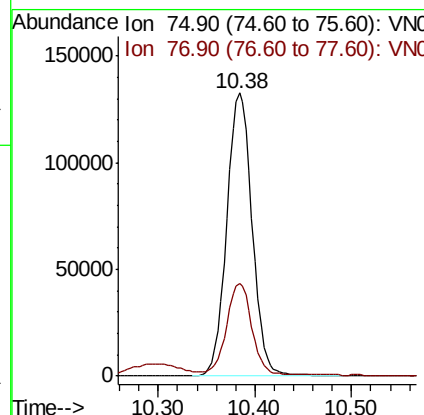
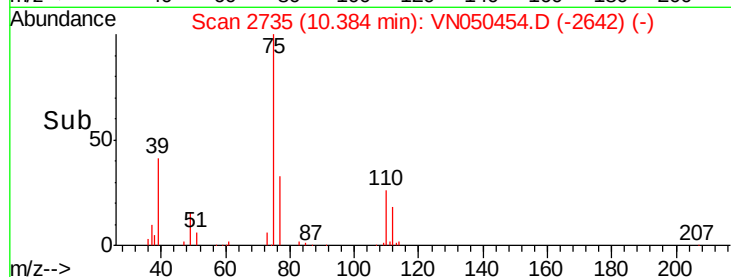
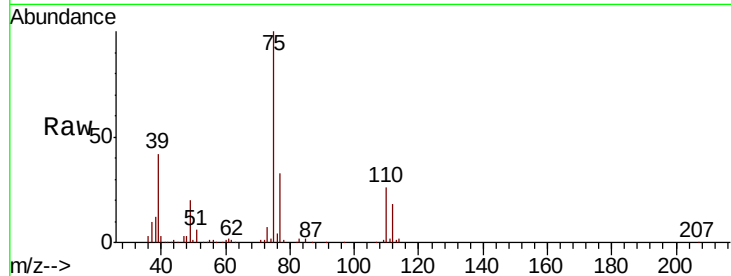
#53
 t-1,3-Dichloropropene
 Concen: 18.42 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion: 75 Resp: 242012
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3

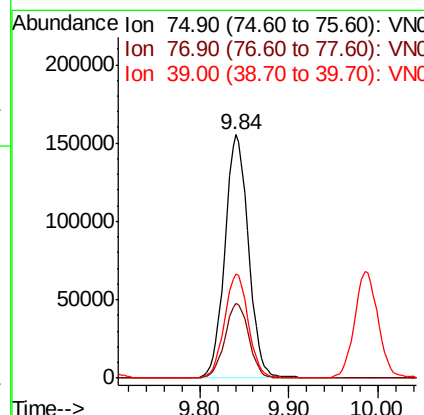
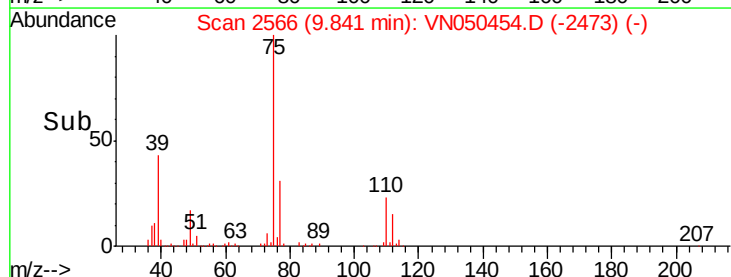
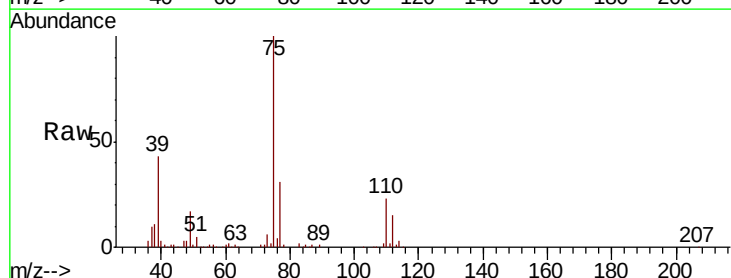
Manual Integrations
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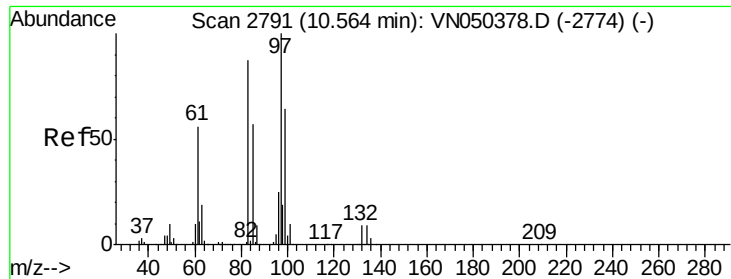
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 8/9/2018 1:32:13 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.42 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 75 Resp: 284741
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3
 39 42.9 36.6 55.0





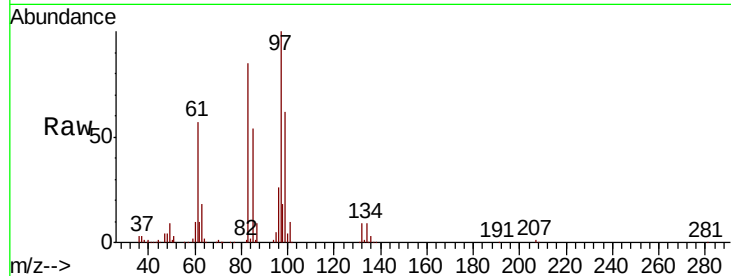
#55
 1,1,2-Trichloroethane
 Concen: 18.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

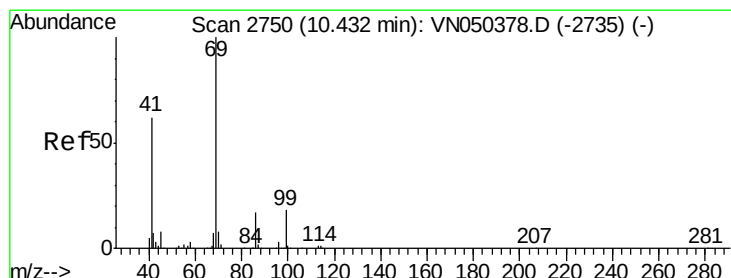
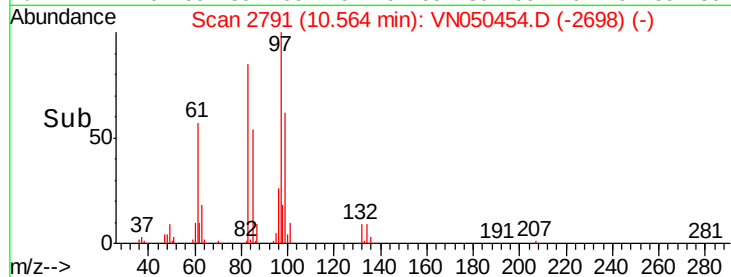
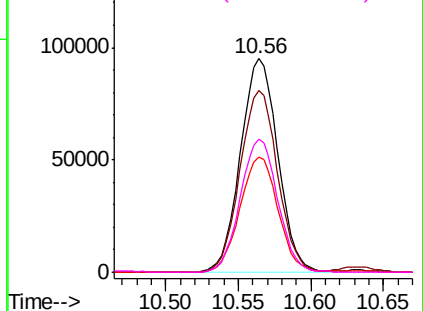
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		170891		
83	85.0	69.2	103.8		
85	54.0	44.0	66.0		
99	62.1	49.9	74.9		

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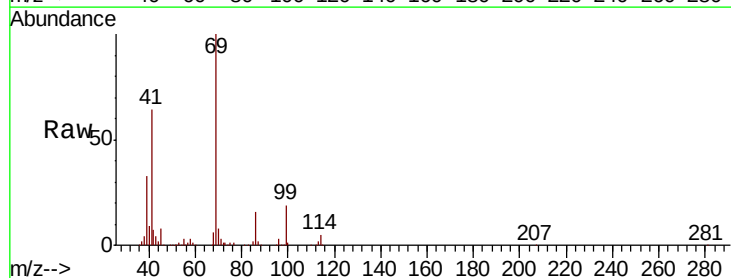


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

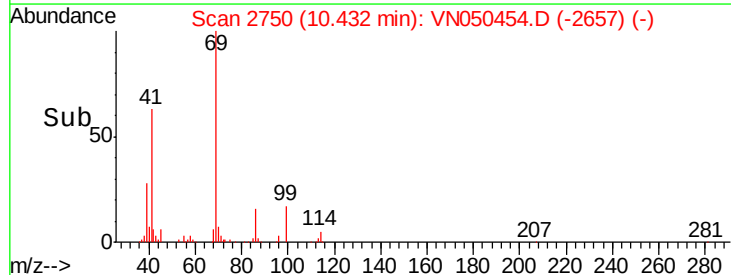
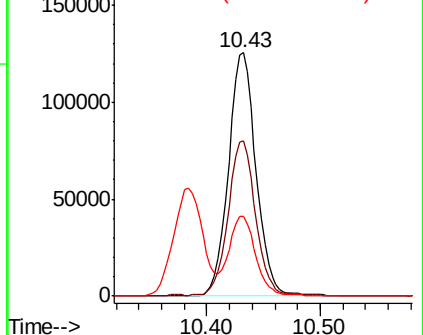


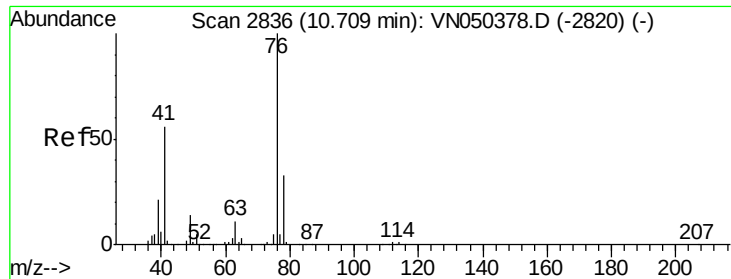
#56
 Ethyl methacrylate
 Concen: 17.68 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		213507		
41	62.6	51.0	76.4		
39	31.7	26.6	40.0		



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





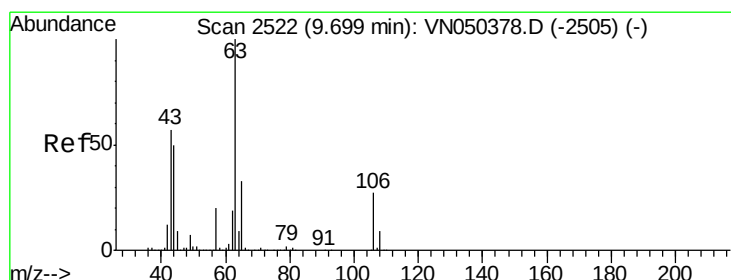
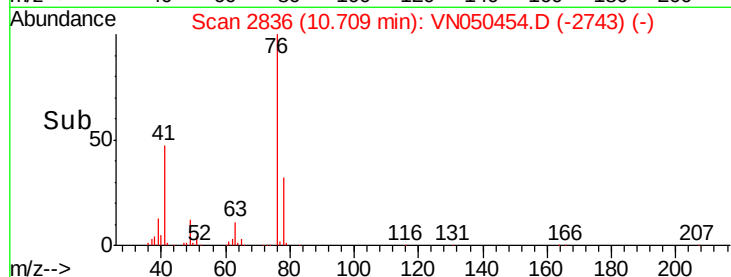
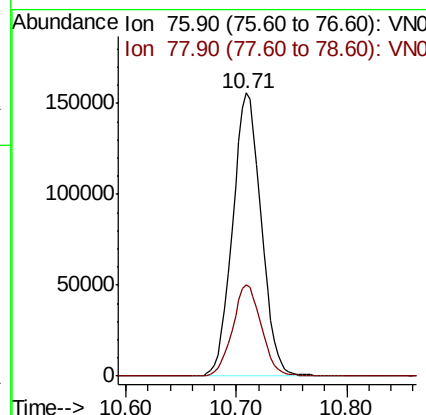
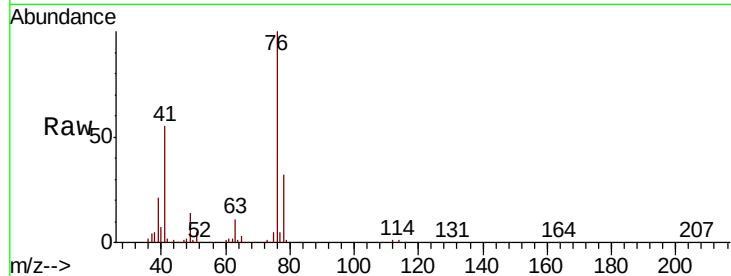
#57
 1,3-Dichloropropane
 Concen: 18.67 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion: 76 Resp: 279645
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

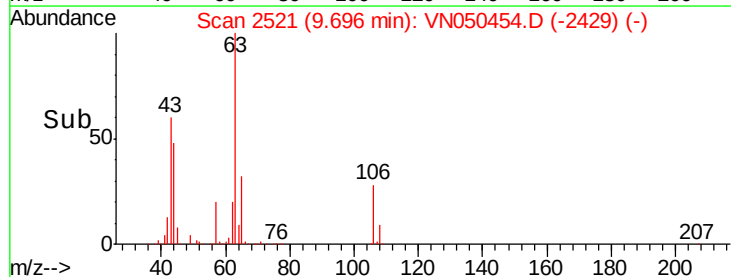
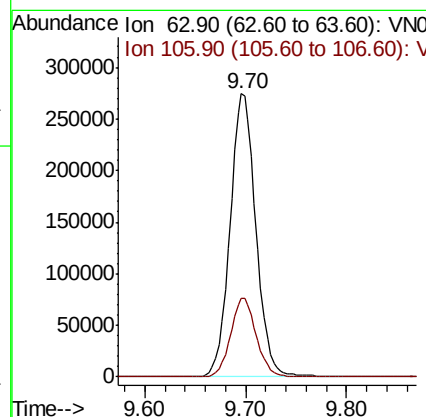
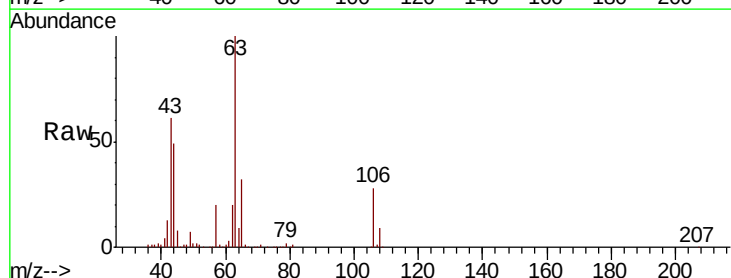
Manual Integrations
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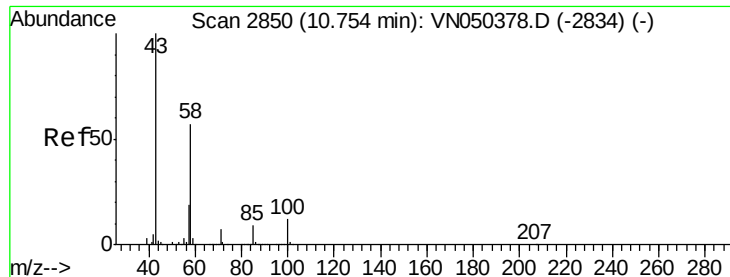
MMDadoda
 8/9/2018 1:32:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion: 63 Resp: 489707
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.7 32.5





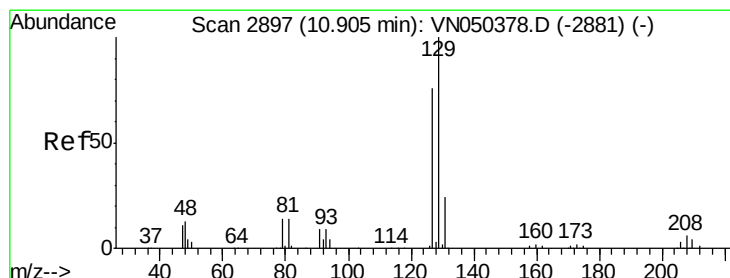
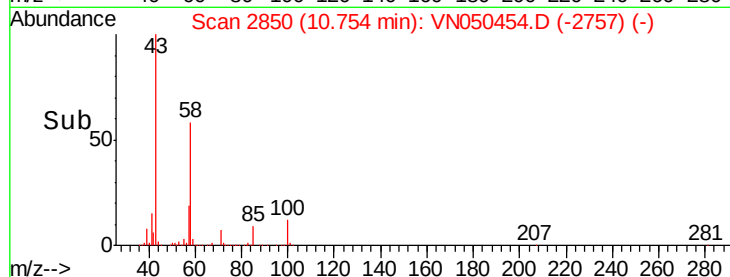
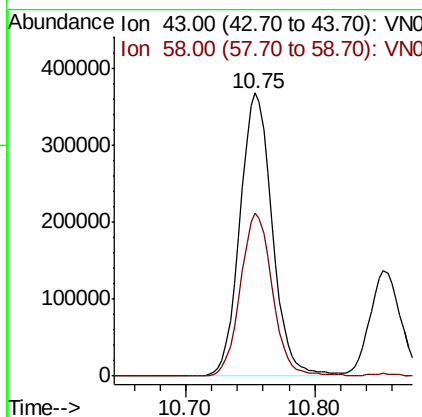
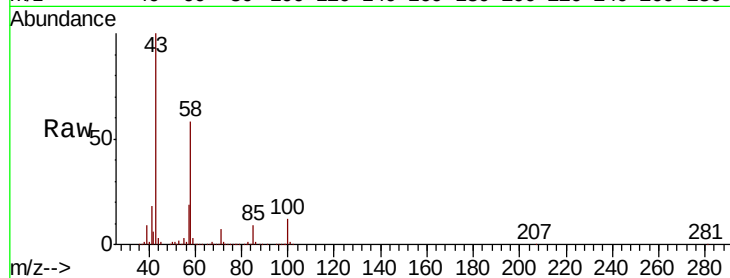
#59
2-Hexanone
Concen: 80.94 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	27.6	82.7

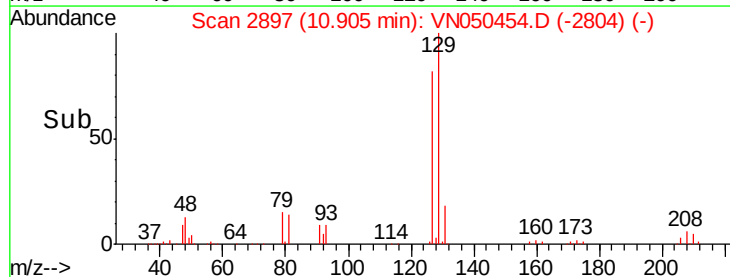
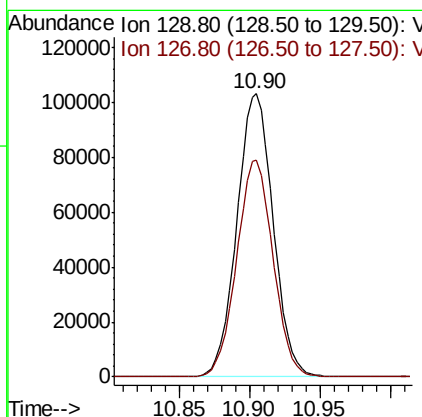
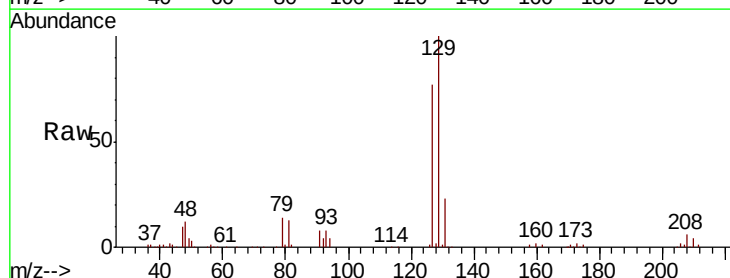
Manual Integrations
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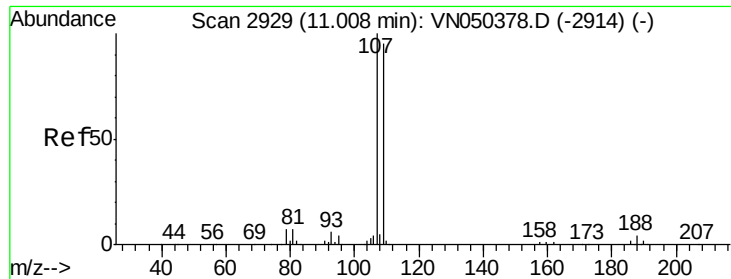
MMDadoda
8/9/2018 1:32:13 PM



#60
Dibromochloromethane
Concen: 18.47 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.0	113.9





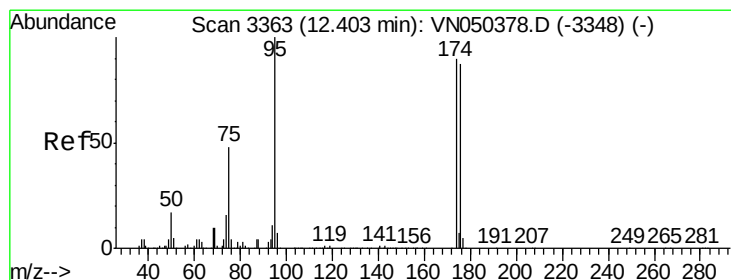
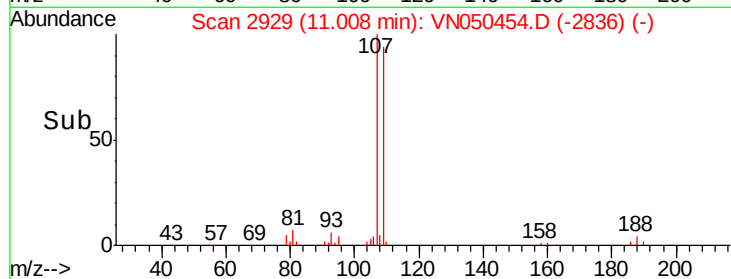
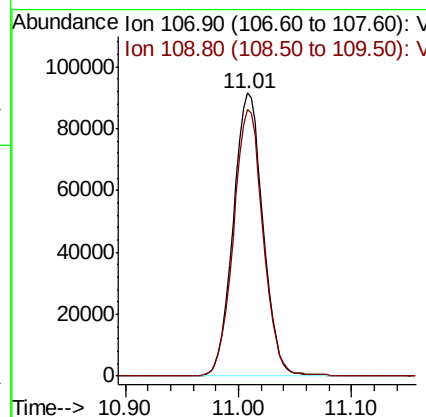
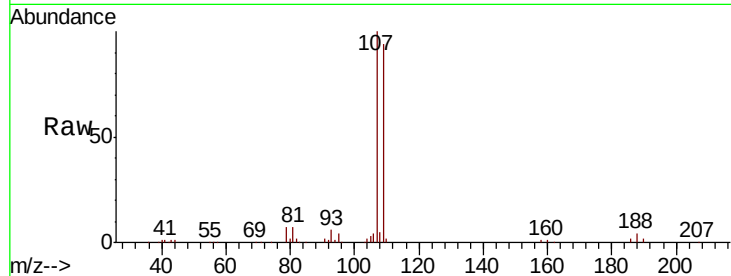
#61
 1,2-Dibromoethane
 Concen: 18.63 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0

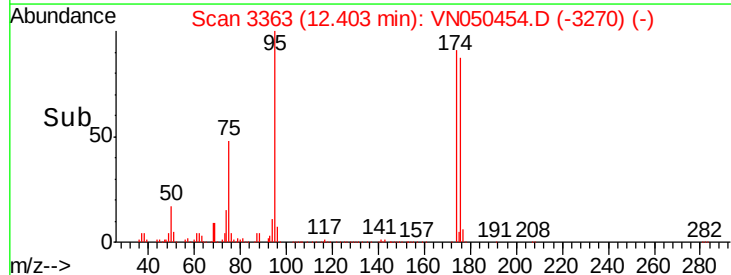
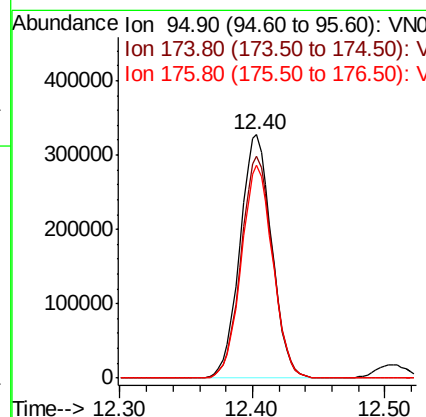
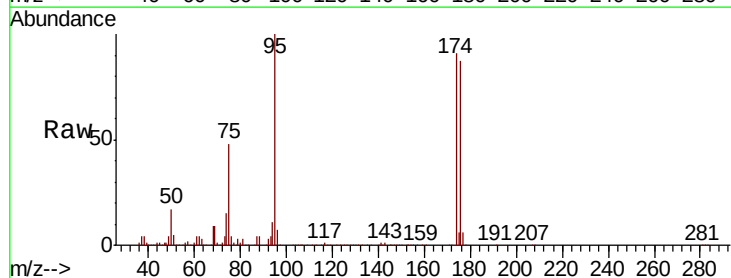
Manual Integrations
 APPROVED

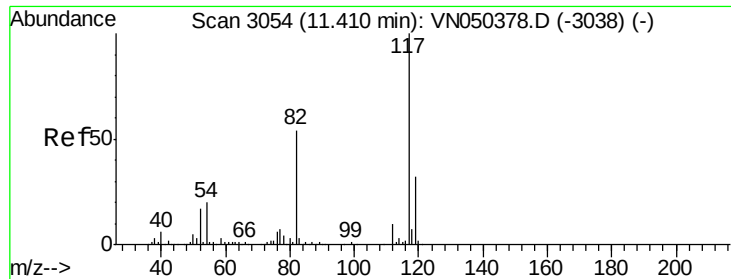
MMDadoda
 8/9/2018 1:32:13 PM



#62
 4-Bromofluorobenzene
 Concen: 45.82 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	178.2
176	86.6	0.0	173.4





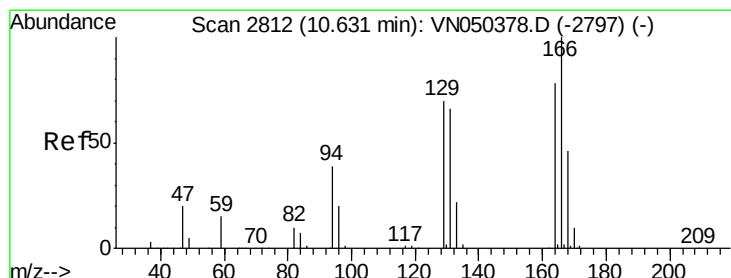
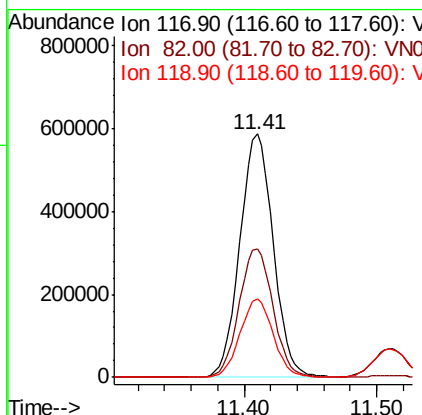
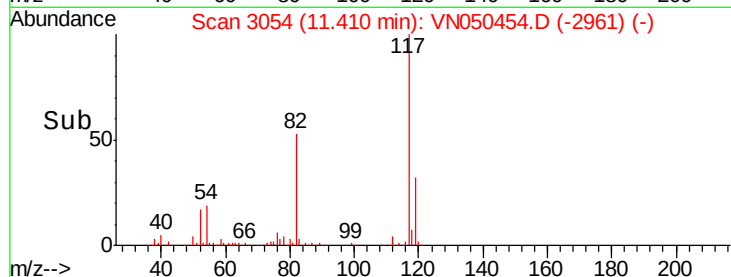
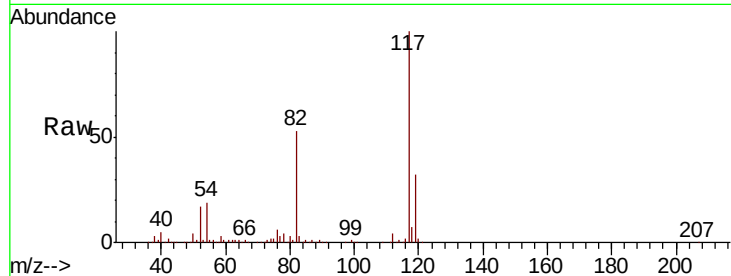
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion:117 Resp: 1029460
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.0 26.1 39.1

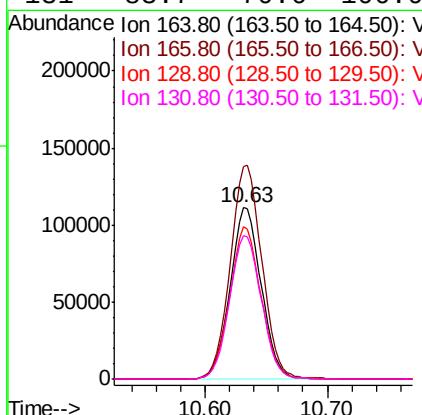
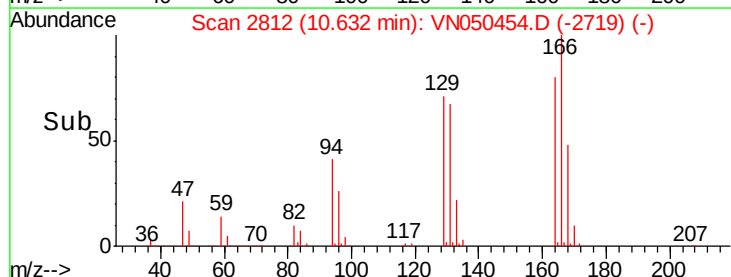
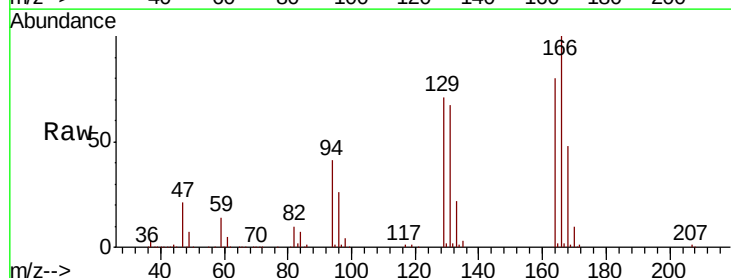
Manual Integrations
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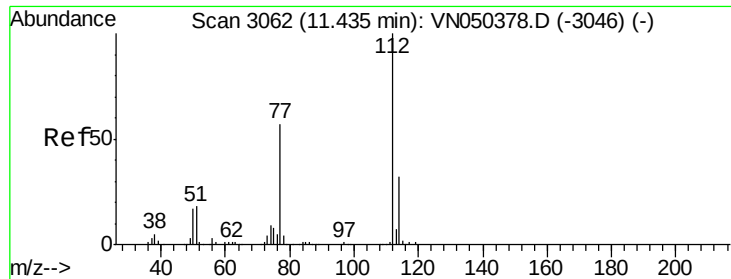
MMDadoda
8/9/2018 1:32:13 PM



#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion:164 Resp: 197334
Ion Ratio Lower Upper
164 100
166 124.3 102.1 153.1
129 88.8 73.2 109.8
131 83.7 70.6 106.0





#65

Chlorobenzene

Concen: 19.23 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion:112 Resp: 496257

Ion Ratio Lower Upper

112 100

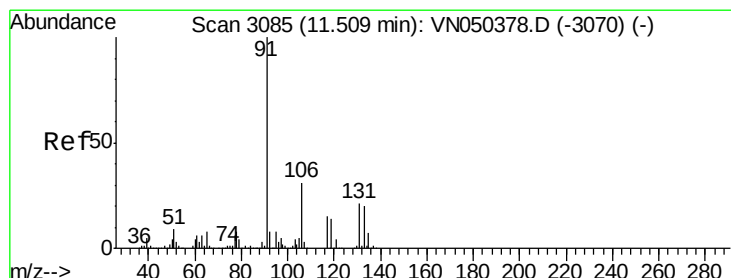
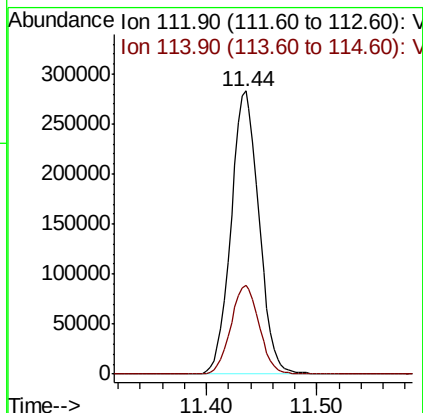
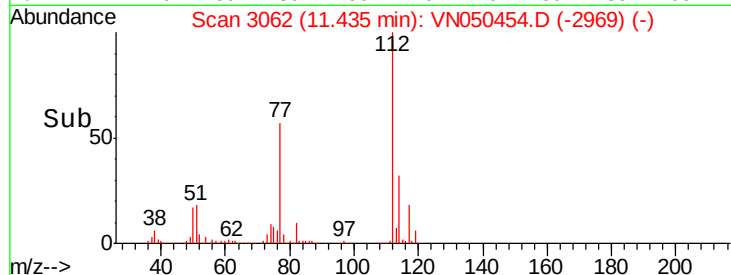
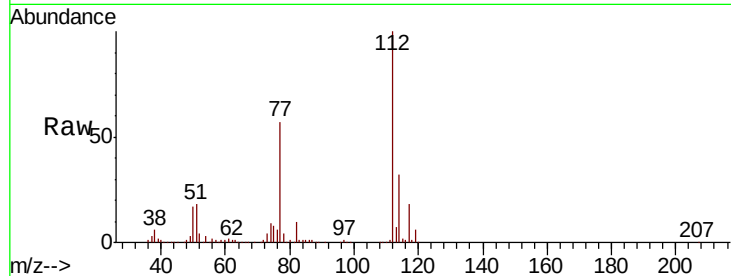
114 31.5 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

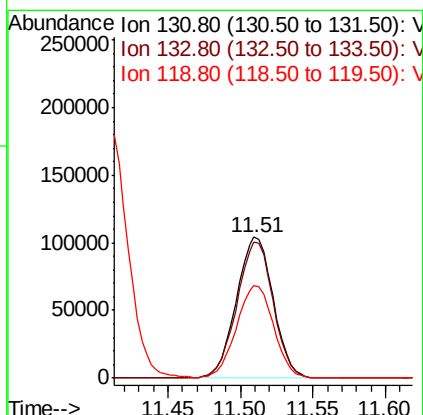
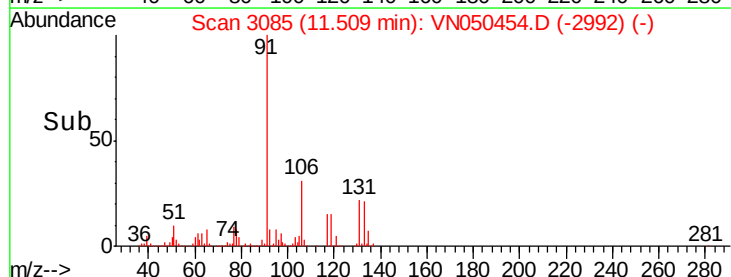
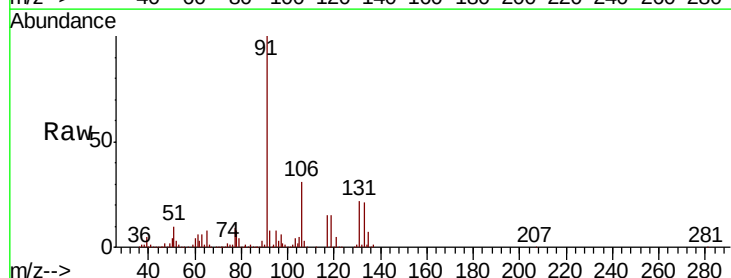
Tgt Ion:131 Resp: 183936

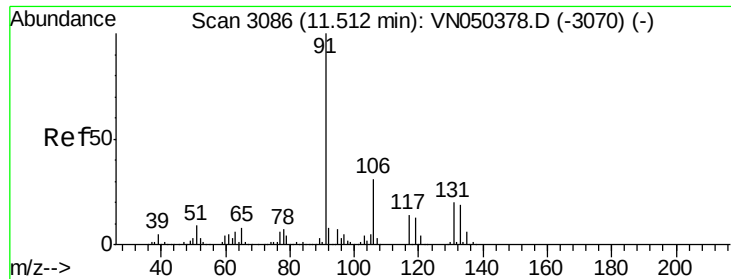
Ion Ratio Lower Upper

131 100

133 95.7 47.3 141.9

119 66.2 32.9 98.7





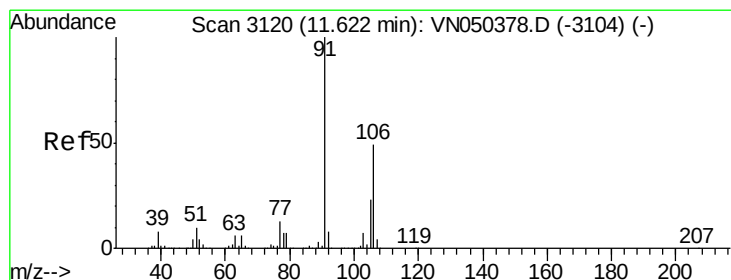
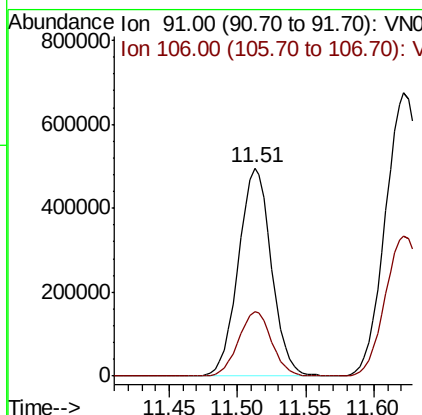
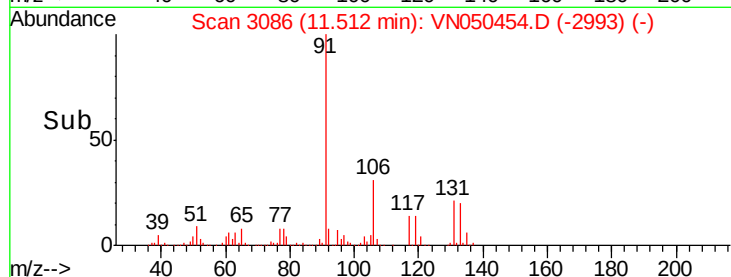
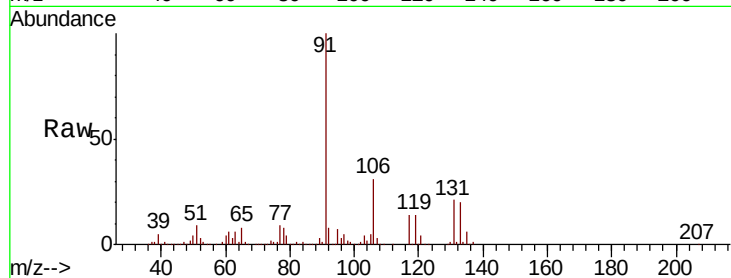
#67
Ethyl Benzene
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4

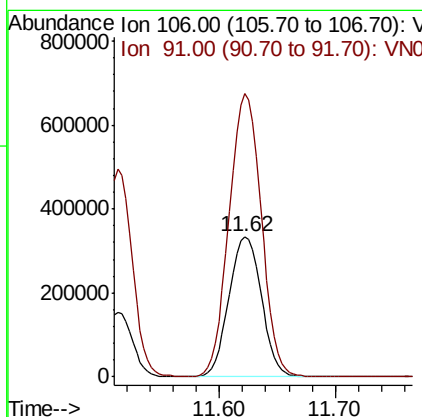
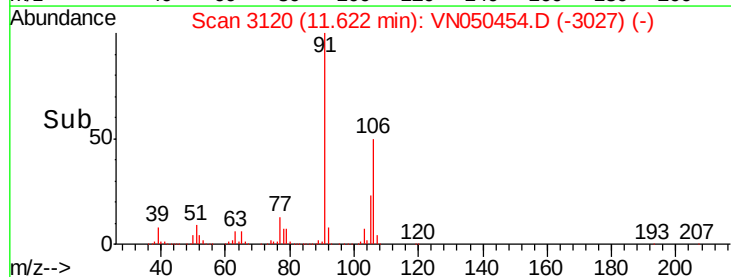
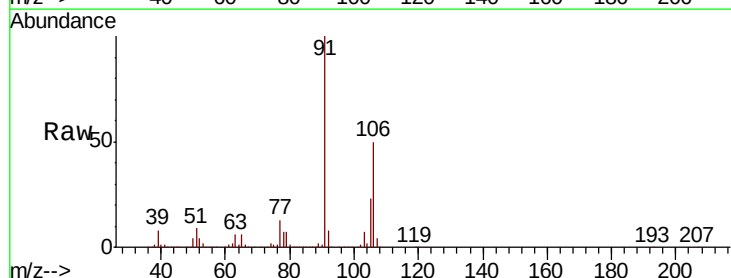
Manual Integrations
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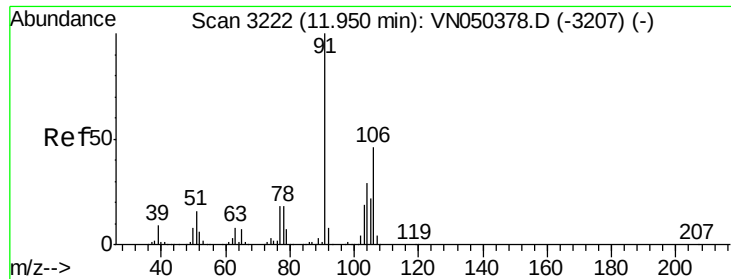
MMDadoda
8/9/2018 1:32:13 PM



#68
m/p-Xylenes
Concen: 40.77 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.8	162.2	243.2





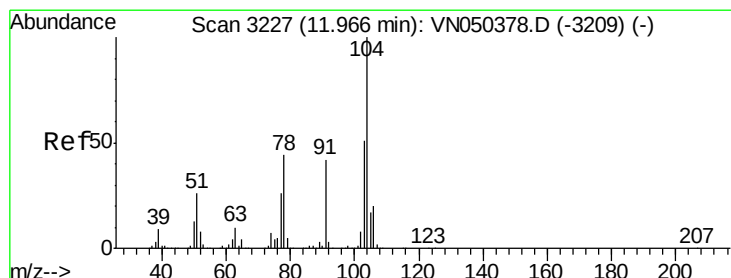
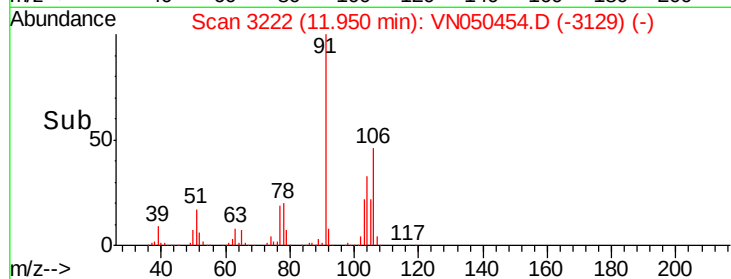
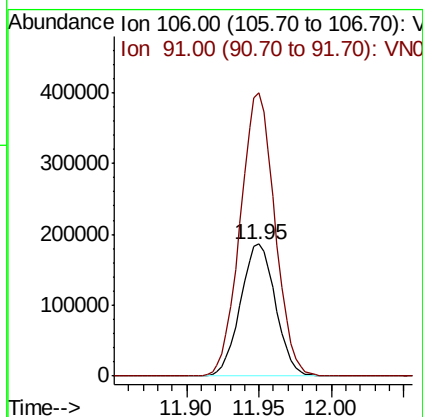
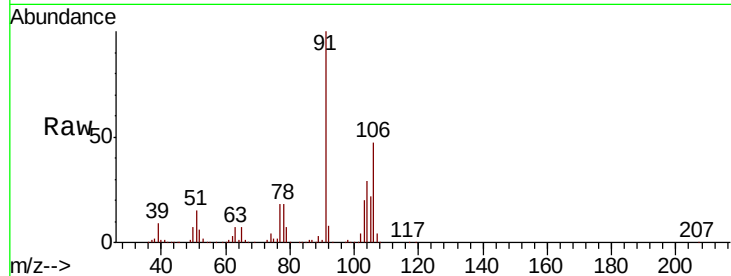
#69
o-Xylene
Concen: 20.49 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	107.7	323.1

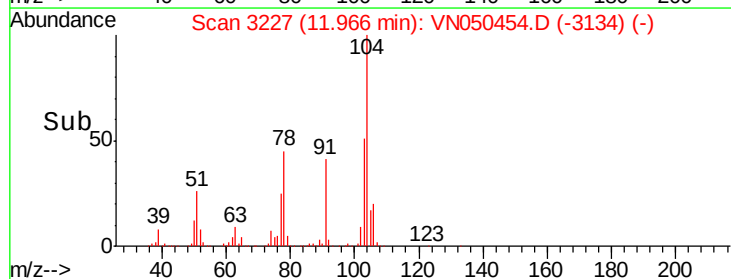
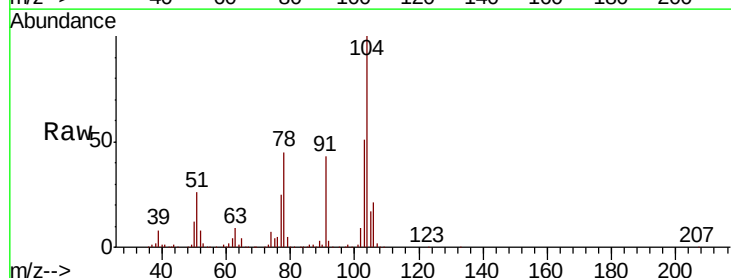
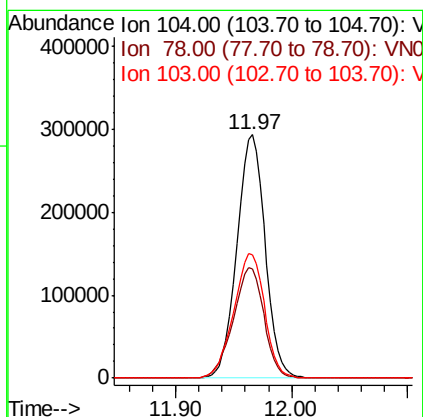
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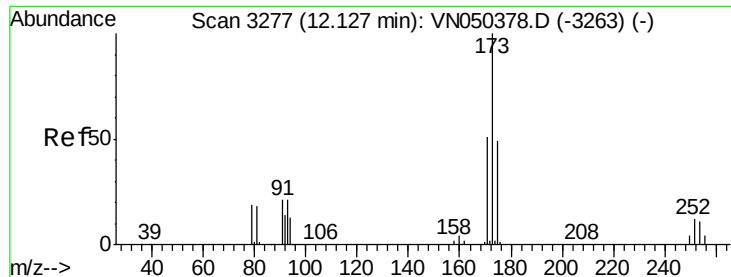
MMDadoda
8/9/2018 1:32:13 PM



#70
Styrene
Concen: 19.92 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.1	45.0	67.6





#71

Bromoform

Concen: 18.54 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

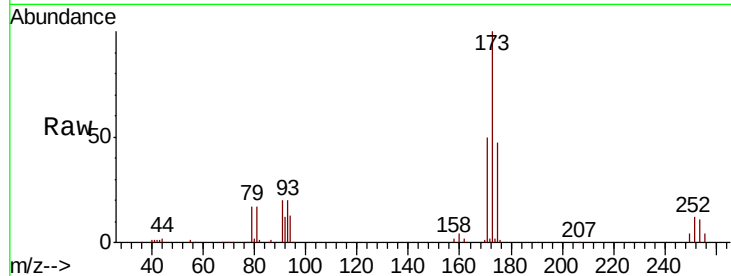
ClientSampleId :

VN0808WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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8/9/2018 1:32:13 PM

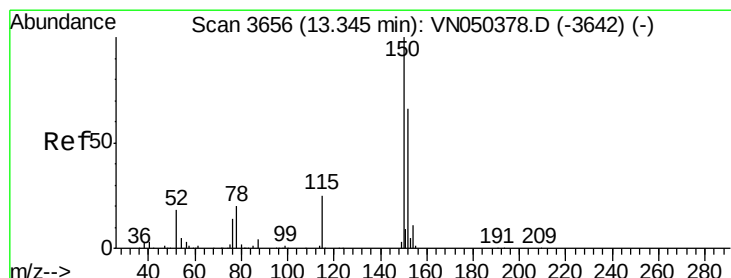
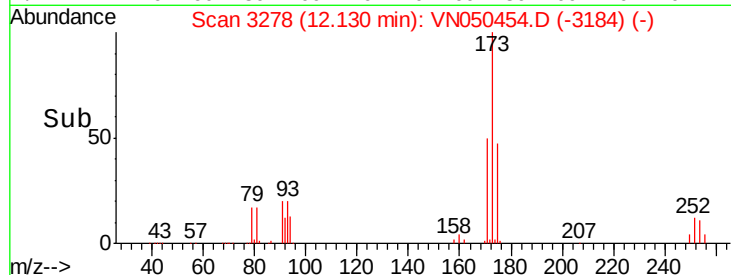
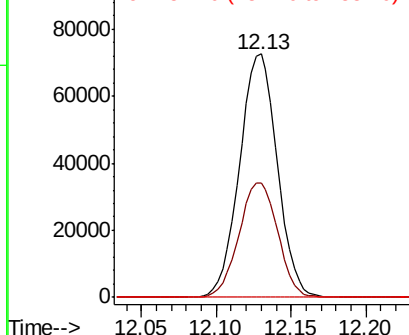


Abundance

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: VN050454.D

Acq: 8 Aug 2018 13:11

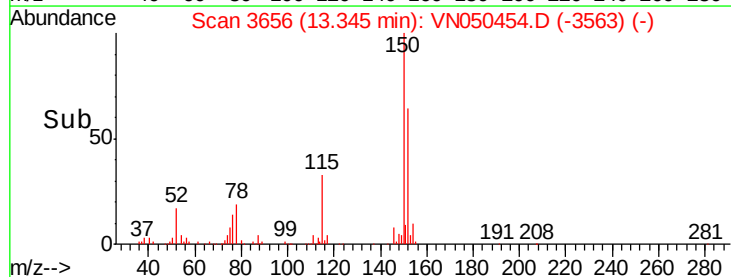
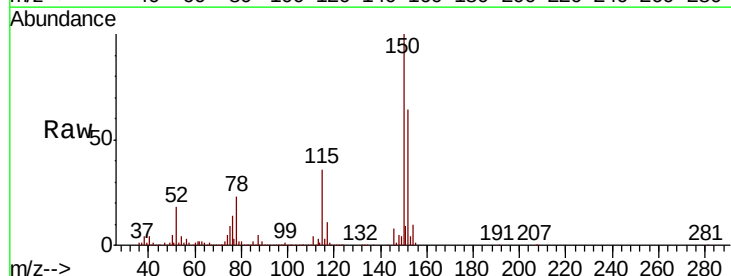
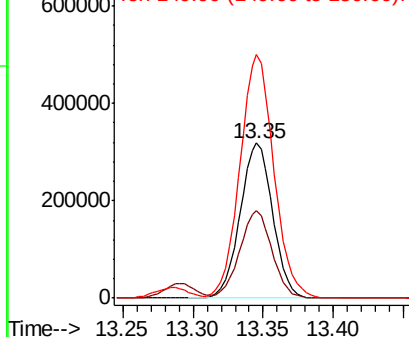
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.3
150	163.2	0.0	348.6

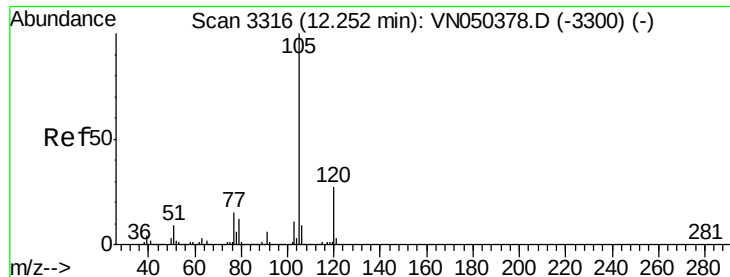
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.25 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

Tot Ion:105 Resp: 821633

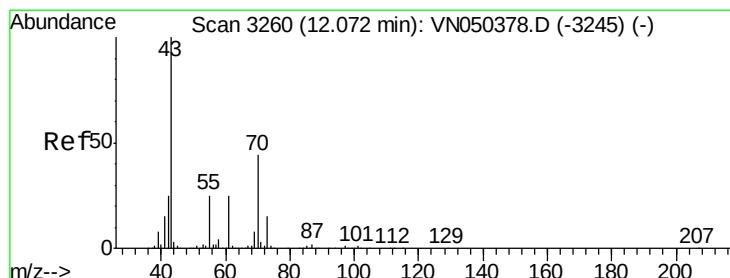
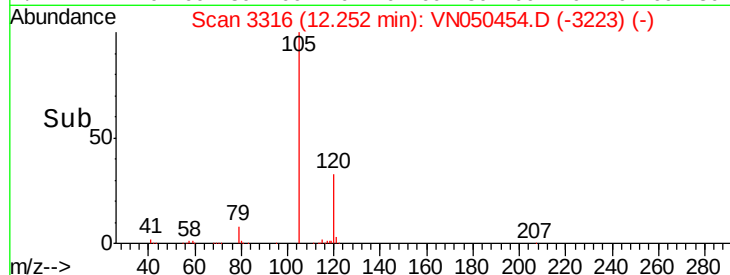
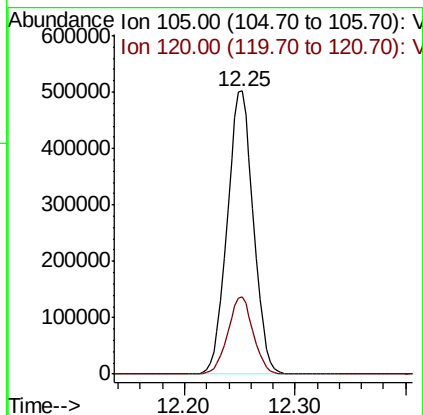
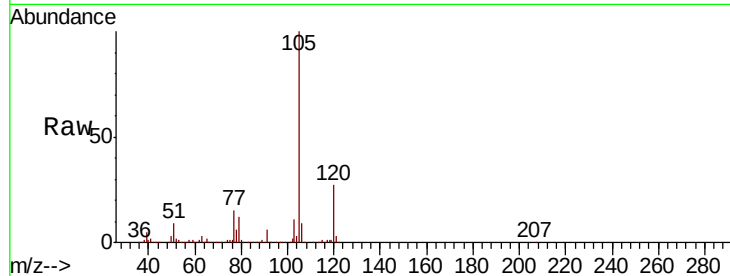
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.86 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion: 43 Resp: 223932

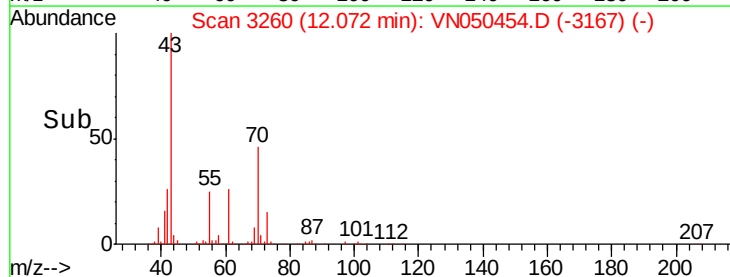
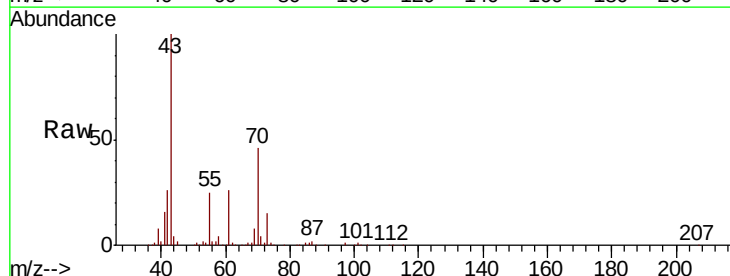
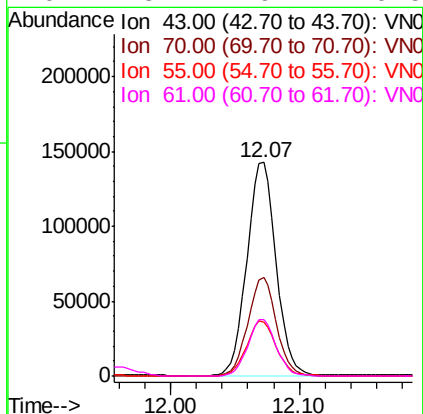
Ion Ratio Lower Upper

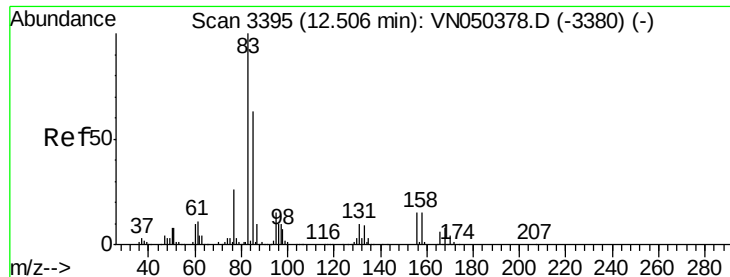
43 100

70 45.4 34.4 51.6

55 26.0 20.8 31.2

61 25.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.11 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

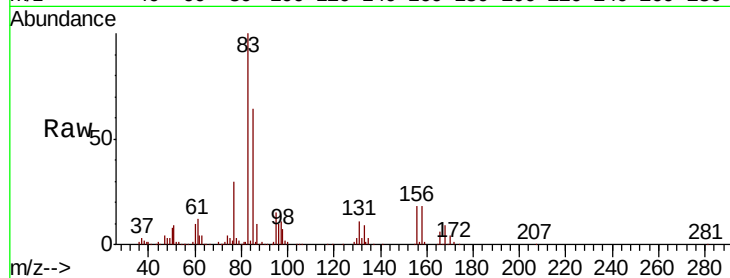
ClientSampleId :

VN0808WBS01

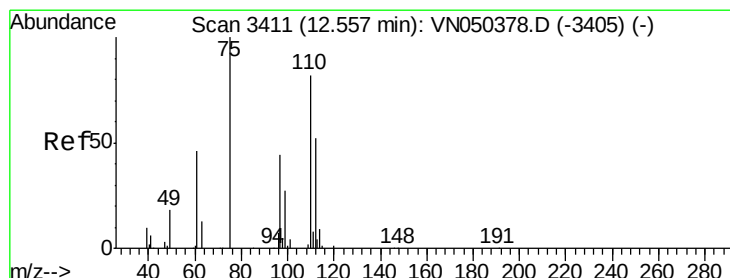
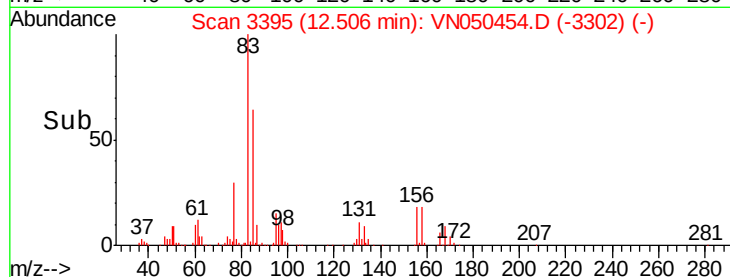
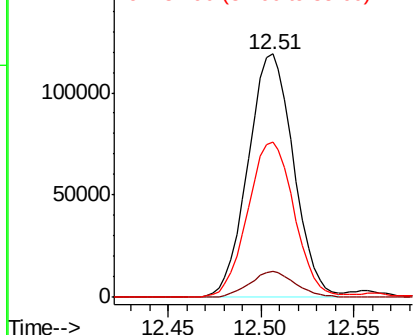
Tot Ion:	83	Resp:	202104
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	65.3	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.98 ug/l m

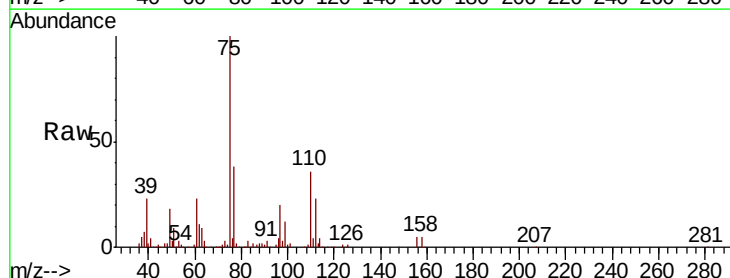
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

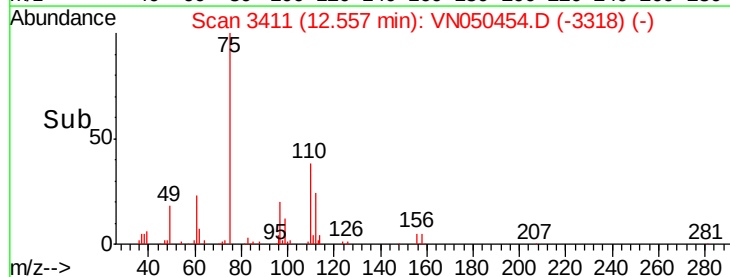
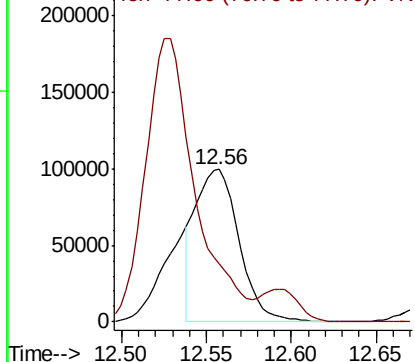
Lab File: VN050454.D

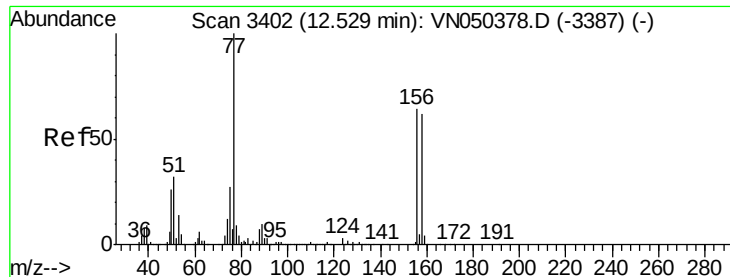
Acq: 8 Aug 2018 13:11

Tgt Ion:	75	Resp:	177012
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.43 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

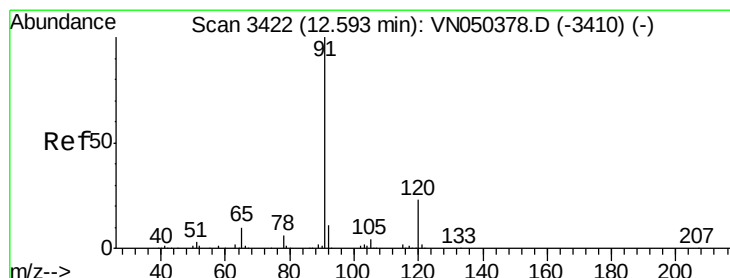
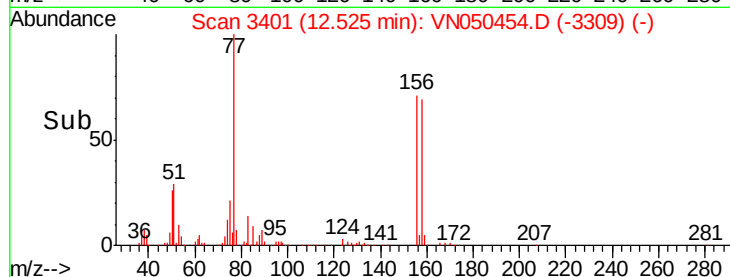
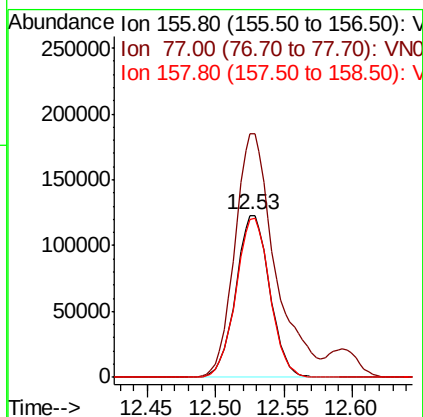
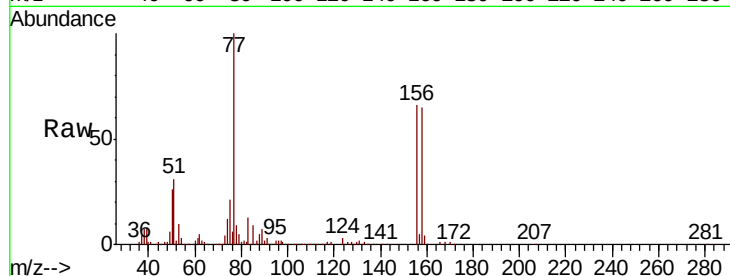
ClientSampleId :

VN0808WBS01

Tot Ion:	156	Resp:	211655
Ion Ratio	Lower	Upper	
156	100		
77	178.7	91.7	275.1
158	98.4	48.9	146.6

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#78

n-propylbenzene

Concen: 20.49 ug/l

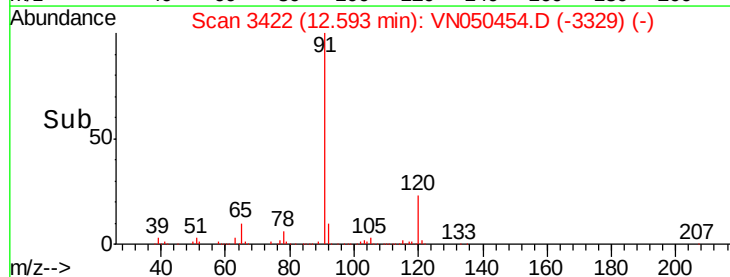
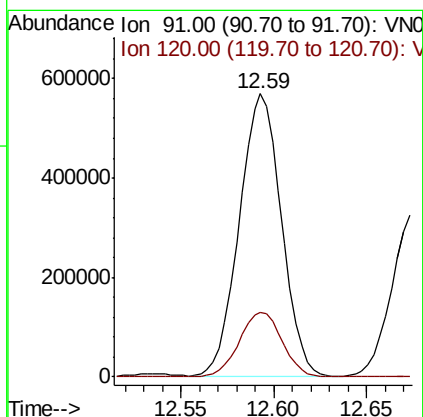
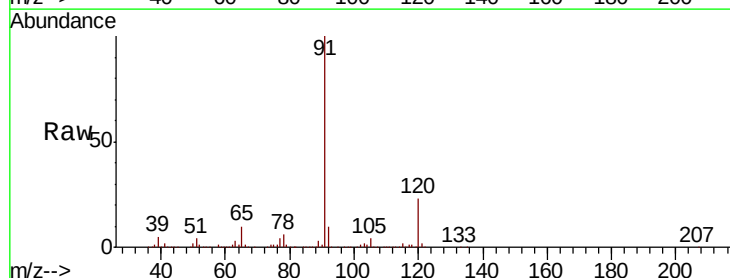
RT: 12.59 min Scan# 3422

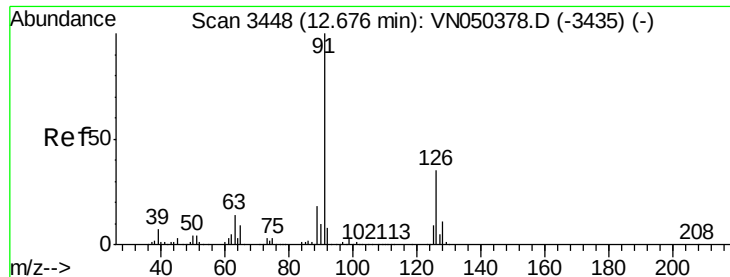
Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion:	91	Resp:	897007
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.71 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBS01

Tot Ion: 91 Resp: 559759

Ion Ratio Lower Upper

91 100

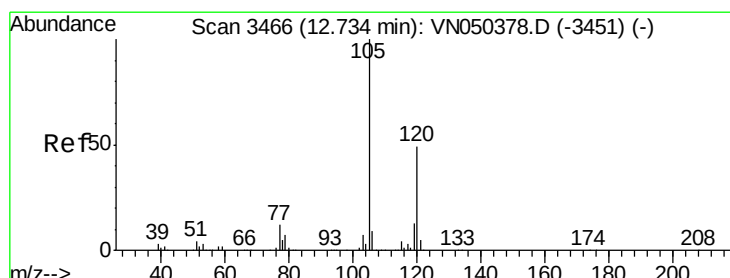
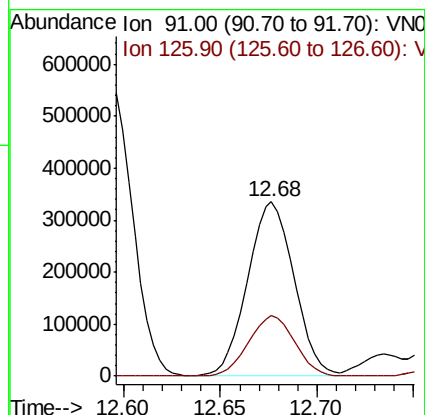
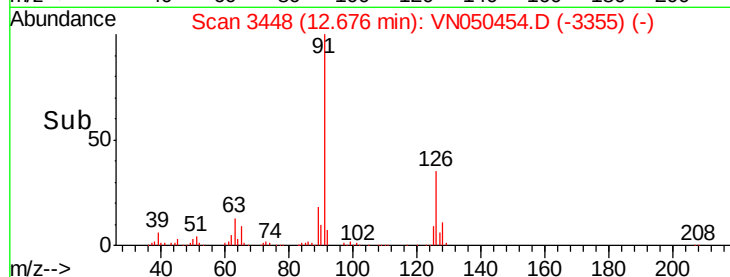
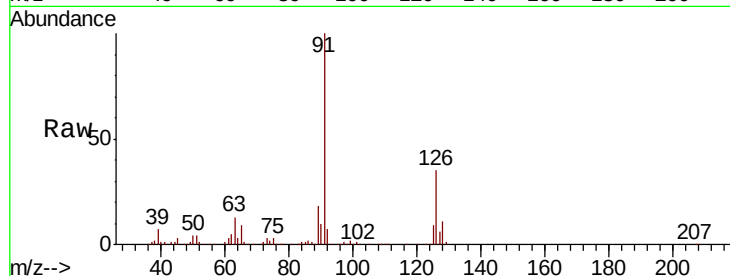
126 34.6 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050454.D

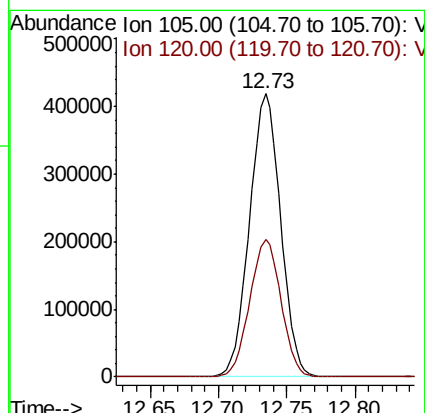
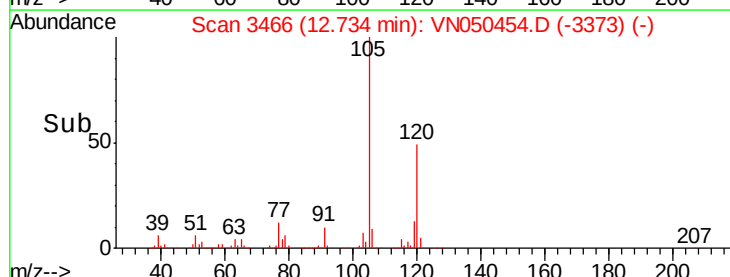
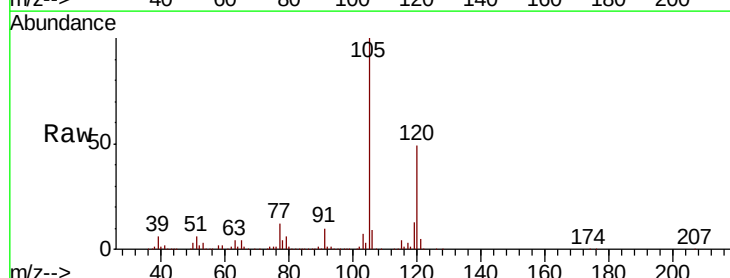
Acq: 8 Aug 2018 13:11

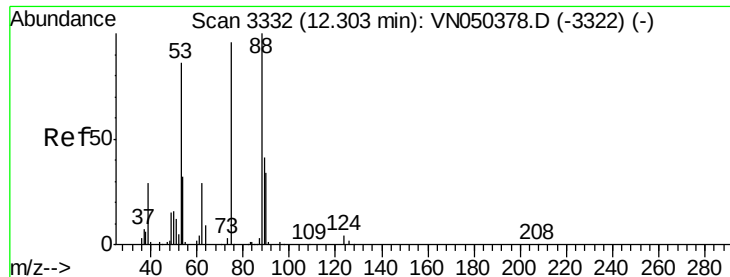
Tgt Ion: 105 Resp: 661909

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





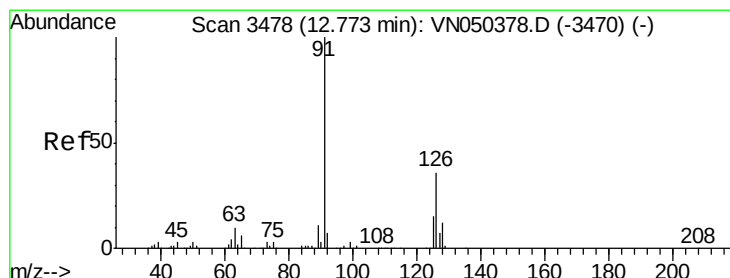
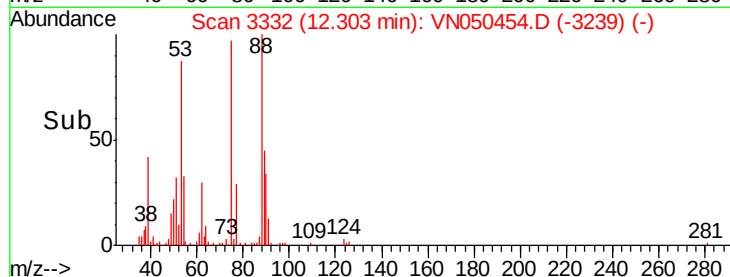
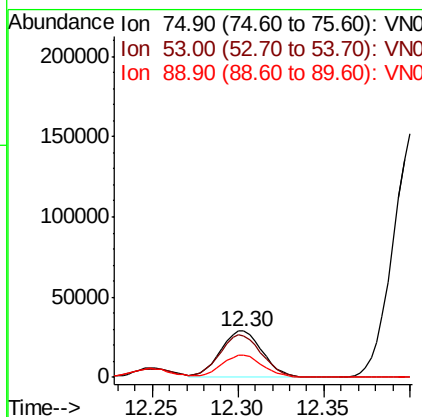
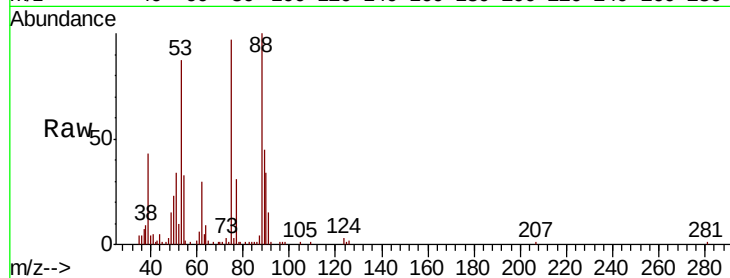
#81
trans-1,4-Dichloro-2-butene
Concen: 18.61 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	73.5	110.3
89	46.3	36.0	54.0

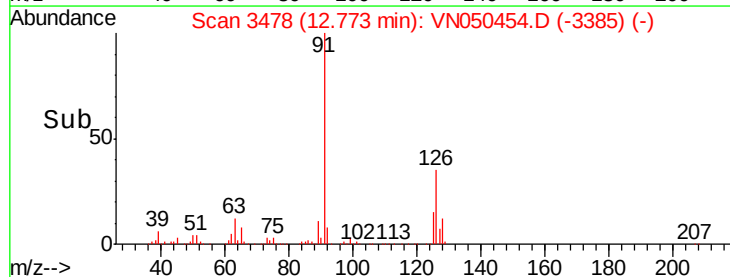
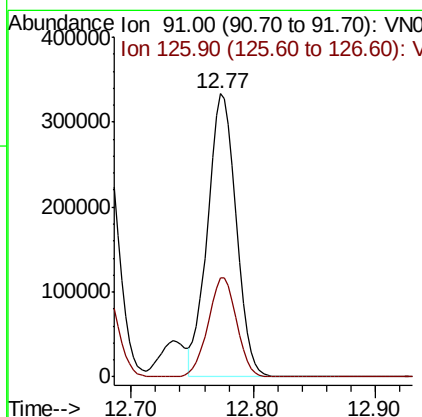
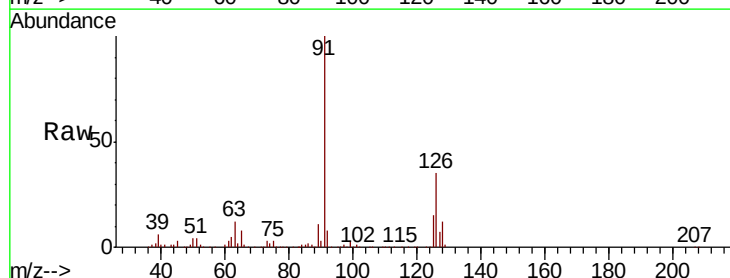
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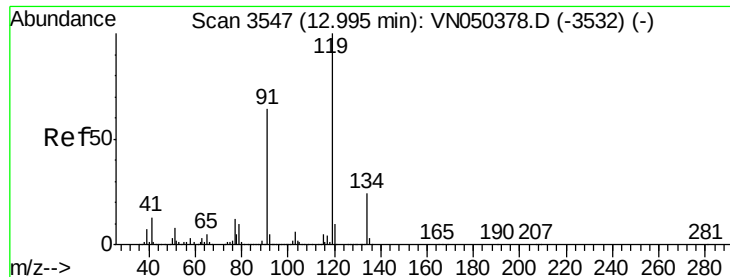
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#82
4-Chlorotoluene
Concen: 20.25 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.0	51.0





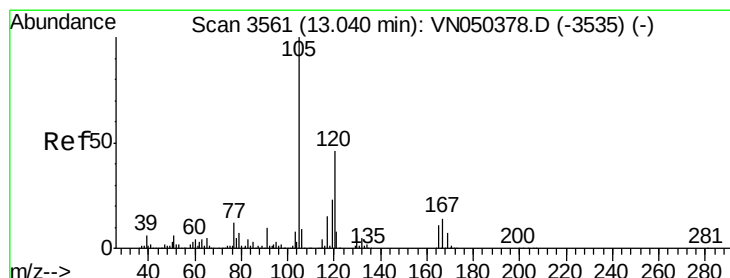
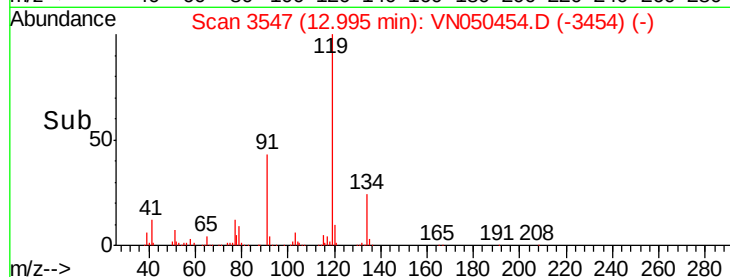
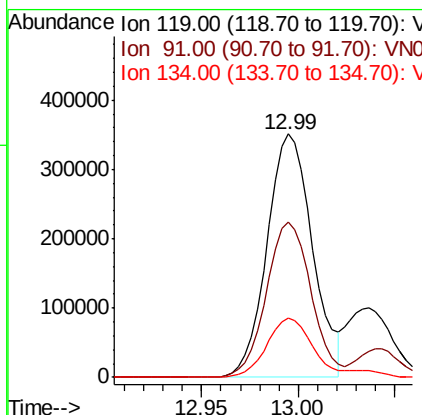
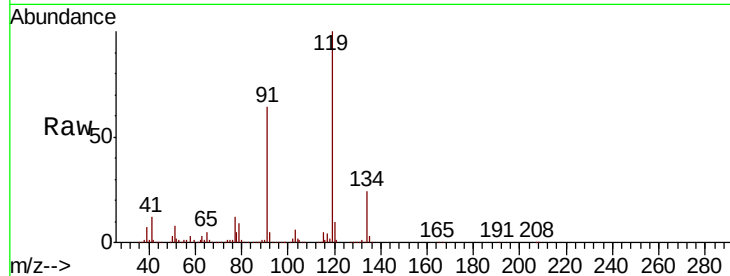
#83
 tert-Butylbenzene
 Concen: 20.98 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.1	96.3
134	24.1	13.2	39.5

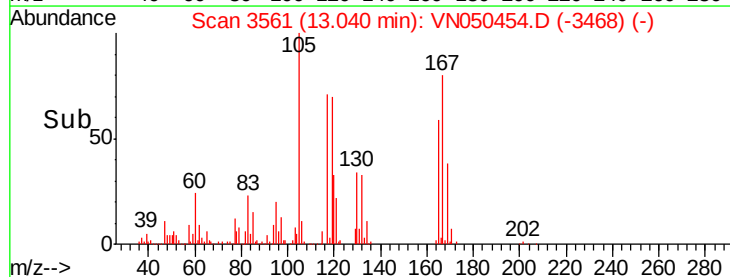
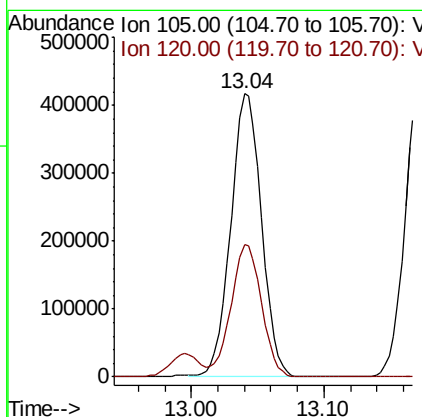
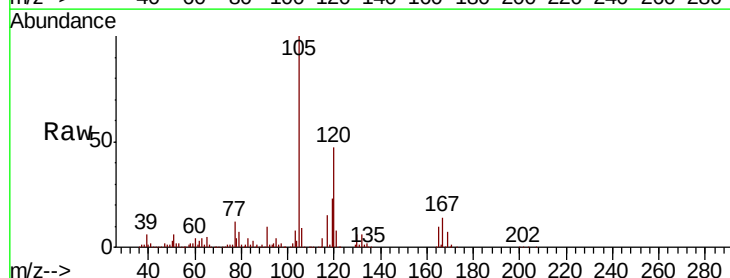
Manual Integrations
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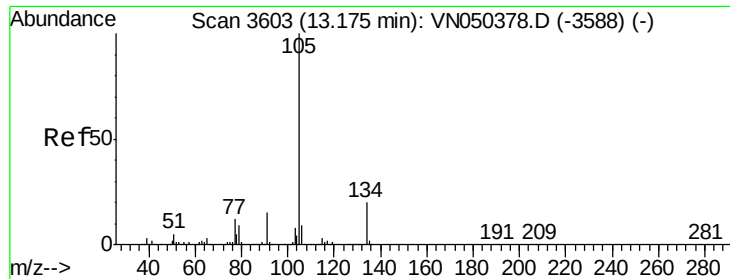
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.03 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.91 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0808WBS01

Tot Ion:105 Resp: 726741

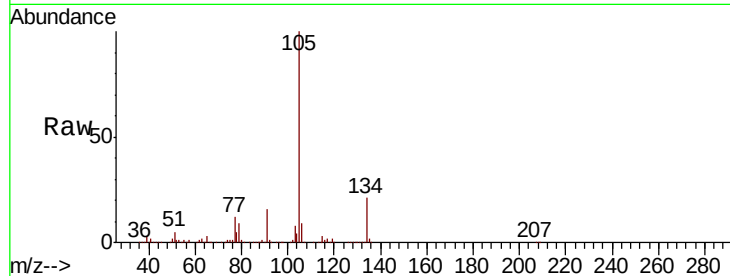
Ion Ratio Lower Upper

105 100

134 20.7 10.1 30.1

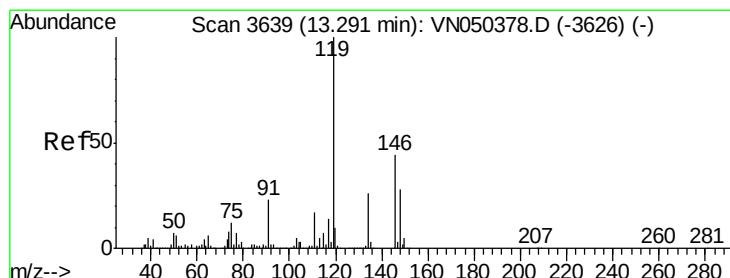
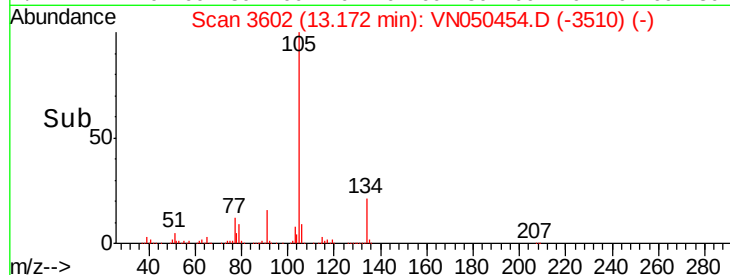
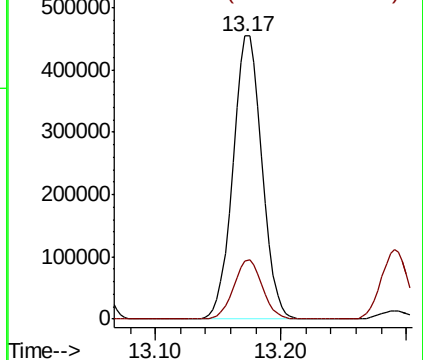
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

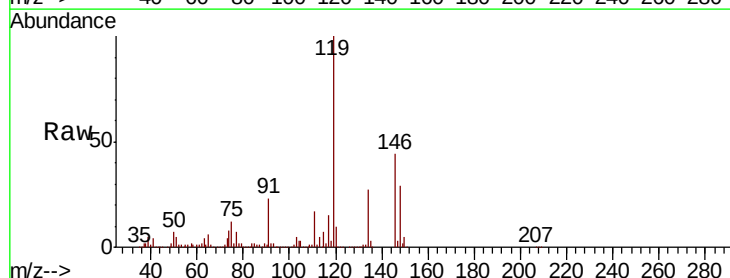
Tgt Ion:119 Resp: 636696

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

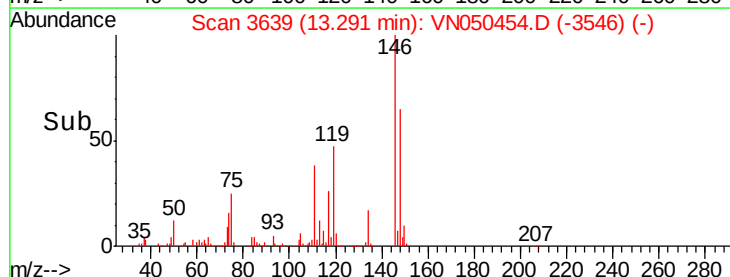
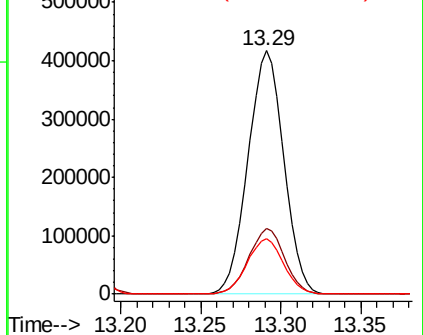
91 22.9 11.4 34.2

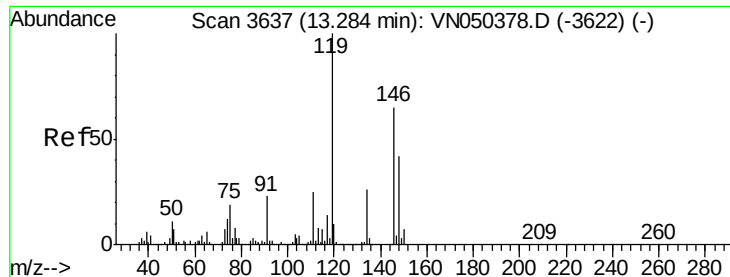


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





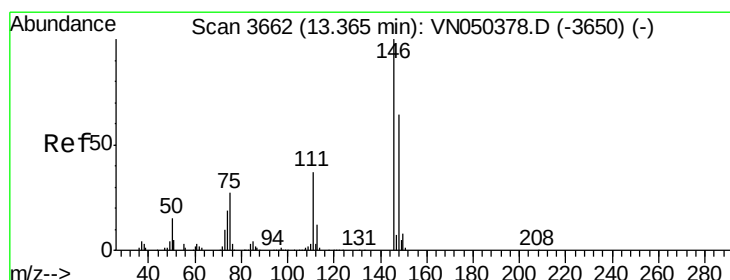
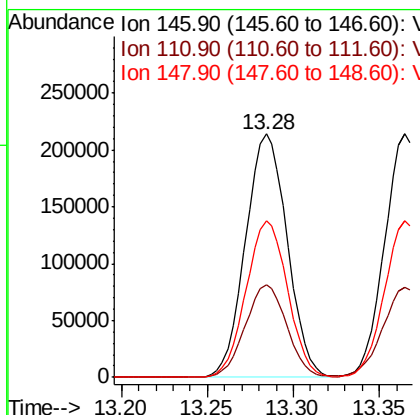
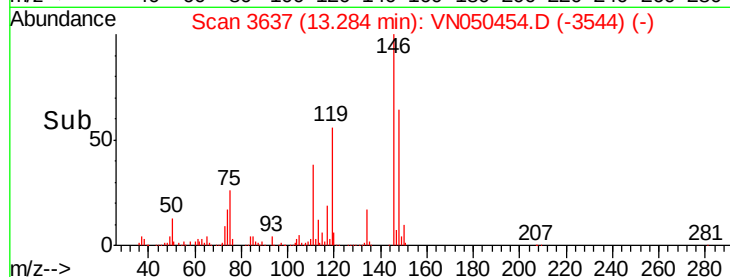
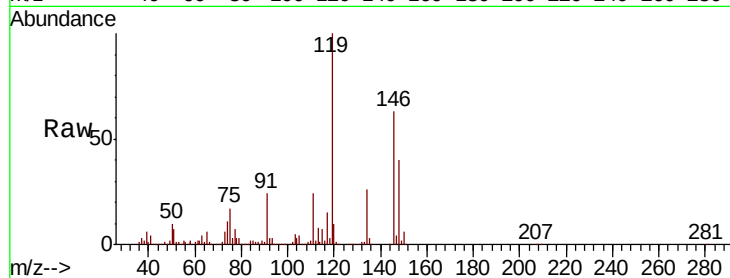
#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	63.8	31.9	95.9

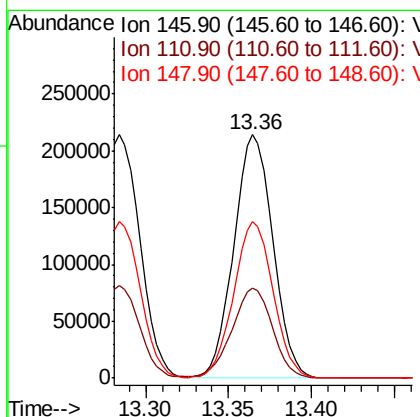
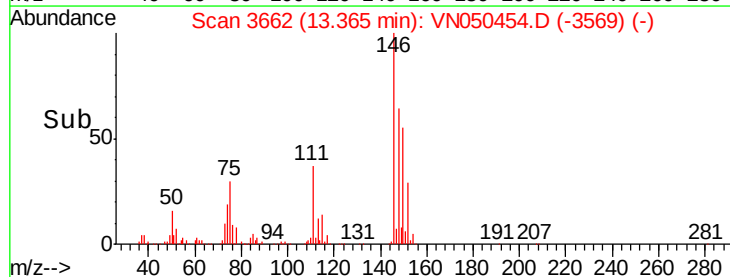
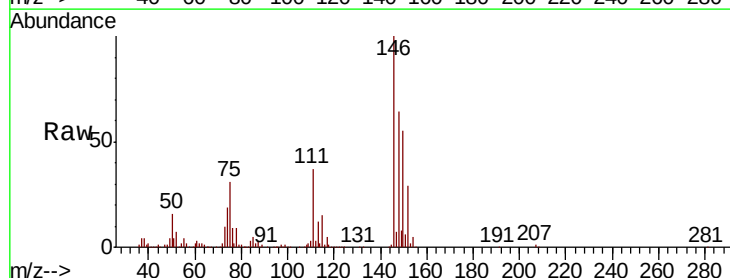
Manual Integrations
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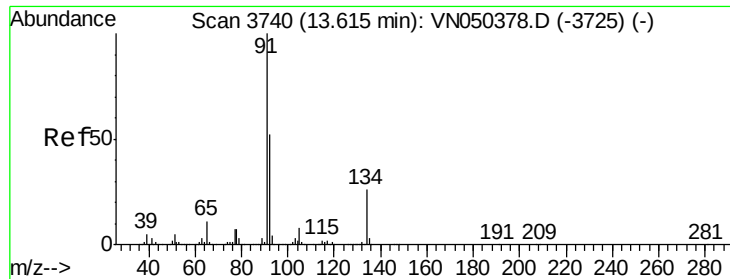
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#88
 1,4-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.9
148	64.7	31.9	95.9





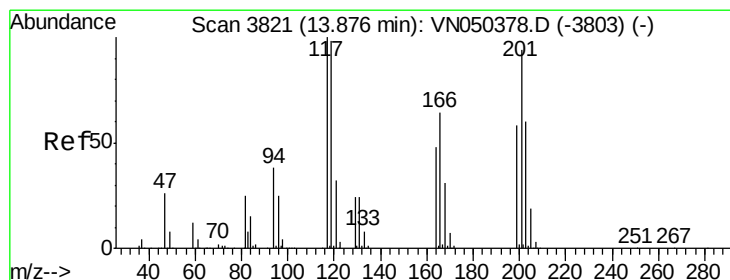
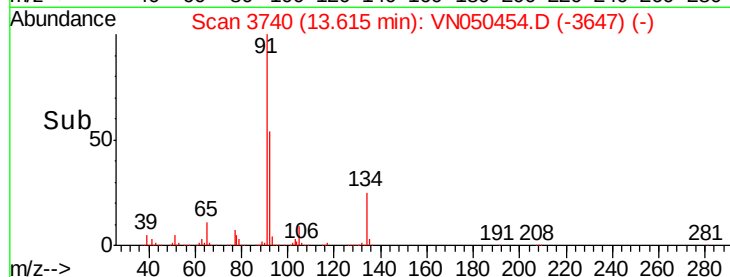
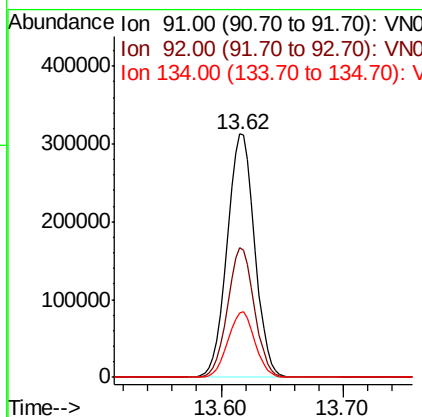
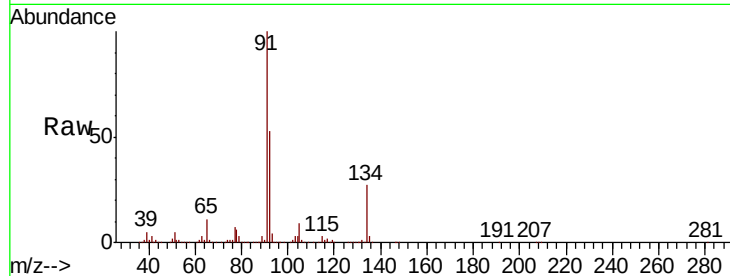
#89
n-Butylbenzene
Concen: 18.51 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.4
134	26.5	12.8	38.4

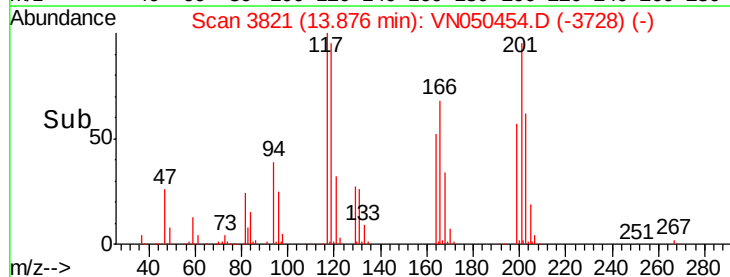
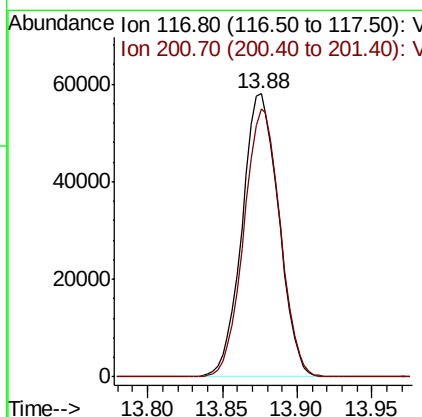
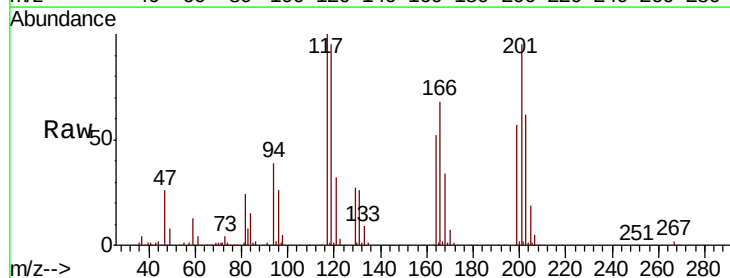
Manual Integrations
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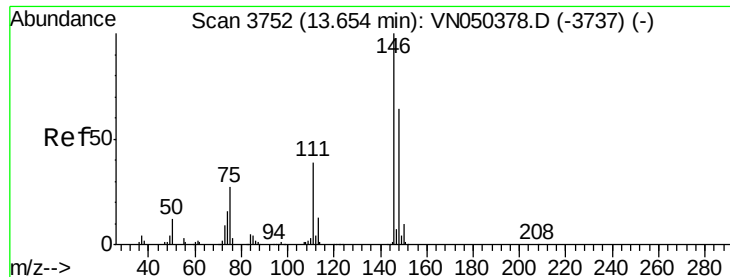
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8/9/2018 1:32:13 PM



#90
Hexachloroethane
Concen: 17.80 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.20 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Instrument :

MSVOA_N

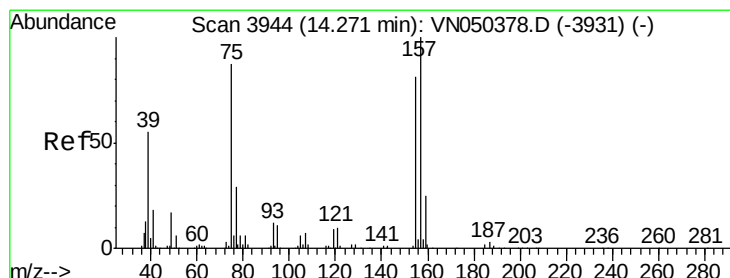
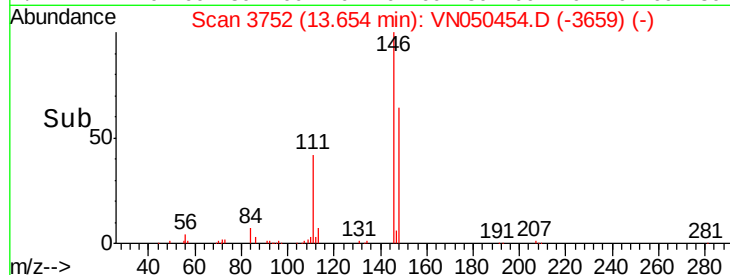
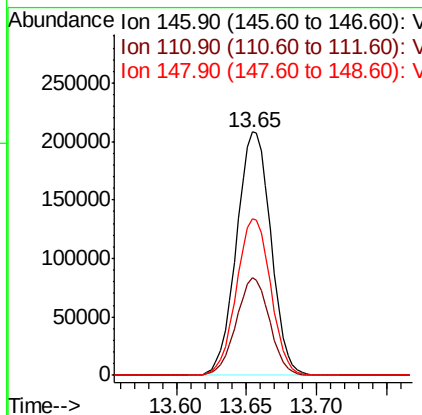
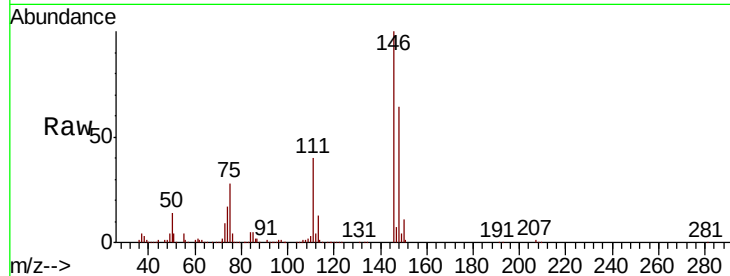
ClientSampleId :

VN0808WBS01

Tot Ion:	146	Resp:	355045
Ion Ratio		Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.3	32.1	96.3

Manual Integrations
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8/9/2018 1:32:13 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.77 ug/l

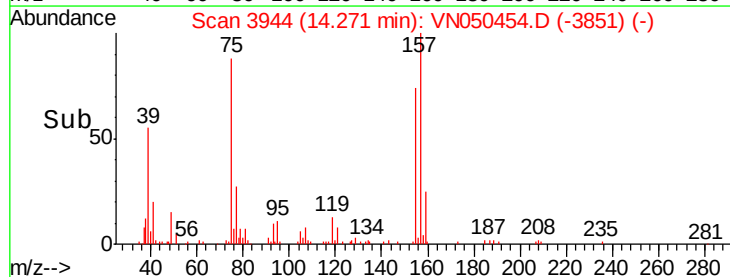
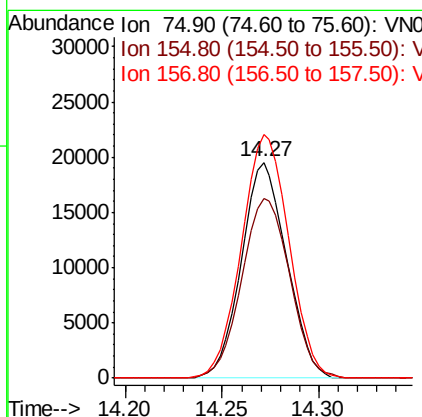
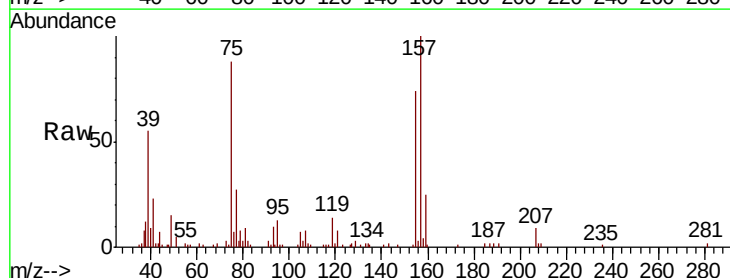
RT: 14.27 min Scan# 3944

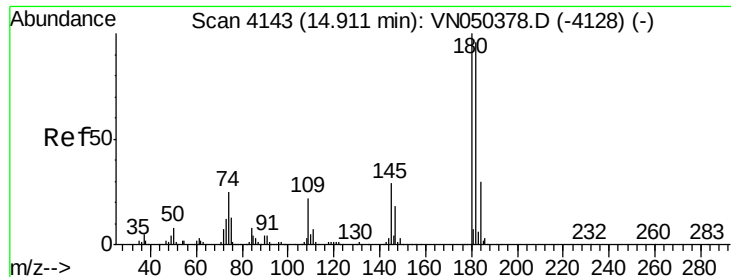
Delta R.T. 0.00 min

Lab File: VN050454.D

Acq: 8 Aug 2018 13:11

Tgt Ion:	75	Resp:	31761
Ion Ratio		Lower	Upper
75	100		
155	88.3	44.8	134.4
157	118.5	57.2	171.6





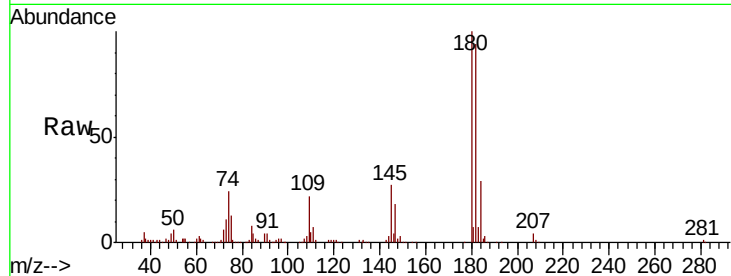
#93
 1,2,4-Trichlorobenzene
 Concen: 18.50 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	174327		
182	94.4	46.7	140.1	
145	28.5	13.8	41.4	

Manual Integrations
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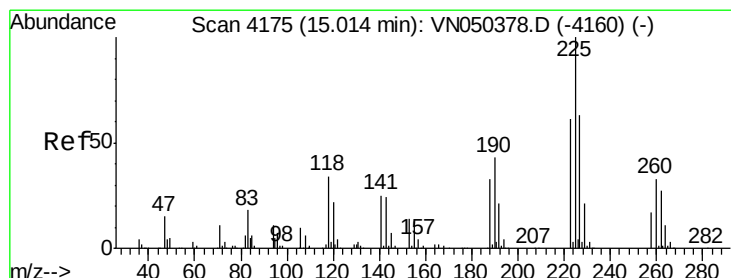
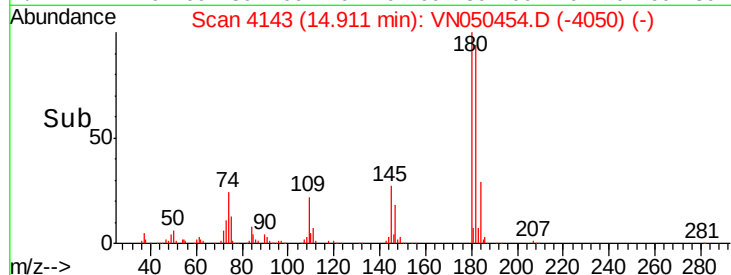
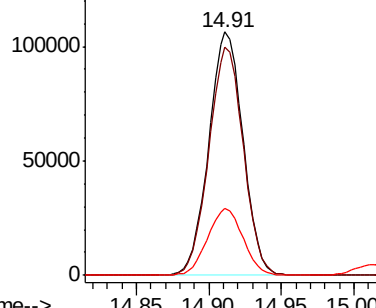


Abundance

Ion 179.80 (179.50 to 180.50): V

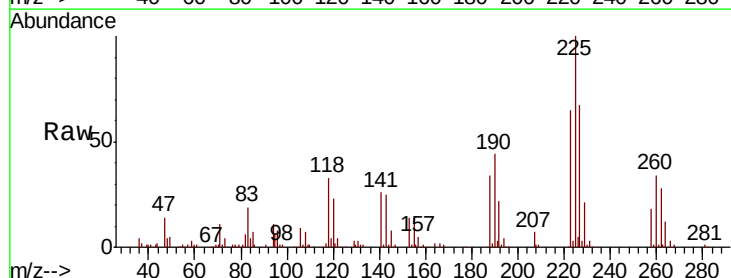
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.20 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050454.D
 Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104037		
223	64.2	31.4	94.2	
227	65.1	32.1	96.5	

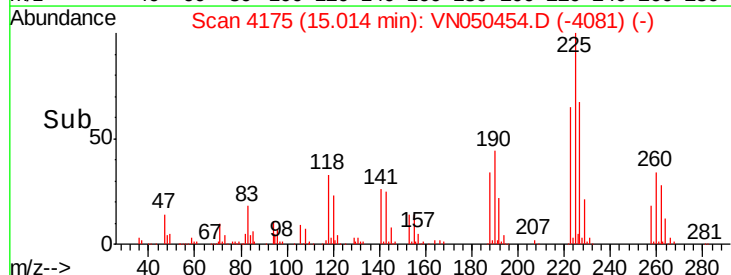
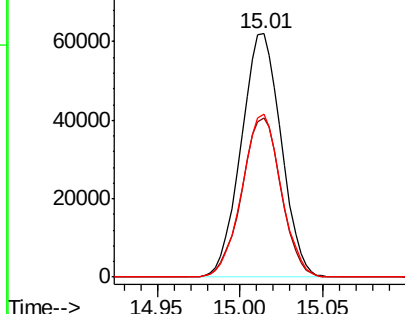


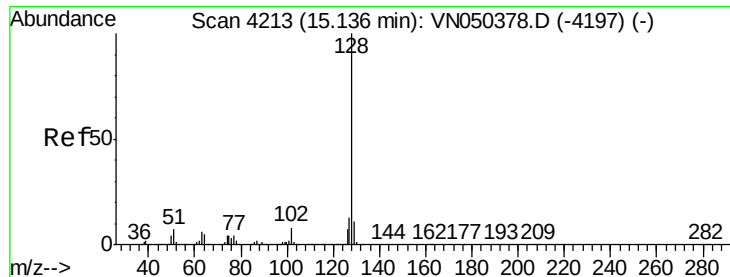
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





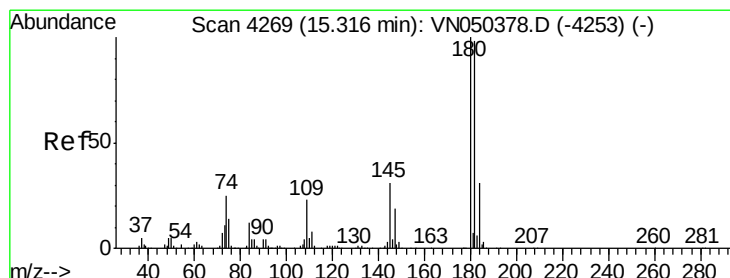
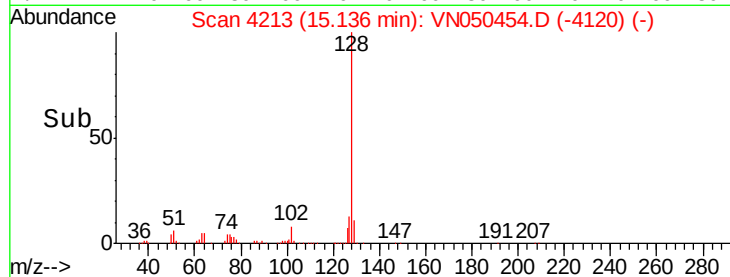
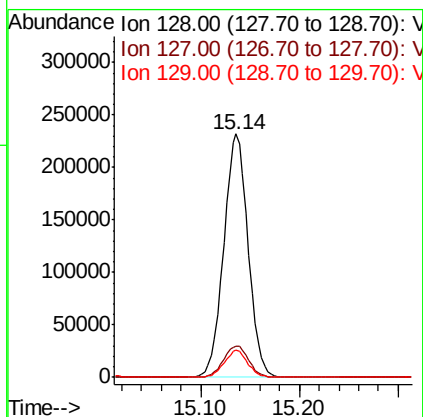
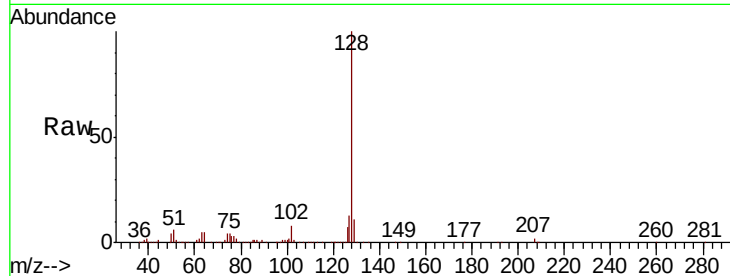
#95
Naphthalene
Concen: 18.52 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	400576		
127	13.3		10.4	15.6
129	10.7		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.23 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050454.D
Acq: 8 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	173672		
182	93.4		48.1	144.4
145	29.9		15.3	45.9

