

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050282.D
 Acq On : 2 Aug 2018 23:39
 Operator : MD\SY
 Sample : VN0802WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:37:01 AM

Quant Time: Aug 03 02:16:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	585124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	893864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411521	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	7.59	113	370019	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1319938	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	431670	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	169084	20.112	ug/l	98
3) Chloromethane	2.06	50	164686	18.021	ug/l	99
4) Vinyl Chloride	2.18	62	178227	18.519	ug/l	99
5) Bromomethane	2.56	94	74485	13.199	ug/l	99
6) Chloroethane	2.70	64	107114	18.533	ug/l	98
7) Trichlorofluoromethane	3.01	101	246995	19.811	ug/l	97
8) Diethyl Ether	3.41	74	88103	21.198	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151255	20.175	ug/l	100
10) Methyl Iodide	3.95	142	97574	10.140	ug/l	100
11) Tert butyl alcohol	4.80	59	75083	124.996	ug/l	100
12) 1,1-Dichloroethene	3.73	96	134798	19.988	ug/l	97
13) Acrolein	3.61	56	80929	167.688	ug/l	99
14) Allyl chloride	4.32	41	208596	19.948	ug/l	98
15) Acrylonitrile	5.00	53	302704	115.505	ug/l	98
16) Acetone	3.82	43	228904	116.721	ug/l	99
17) Carbon Disulfide	4.05	76	351544	17.016	ug/l	100
18) Methyl Acetate	4.33	43	225032	29.416	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	398933	22.198	ug/l	100
20) Methylene Chloride	4.55	84	159116	21.261	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140159	19.614	ug/l	99
22) Diisopropyl ether	5.96	45	468131	22.577	ug/l	95
23) Vinyl Acetate	5.90	43	1527129	104.221	ug/l	100
24) 1,1-Dichloroethane	5.85	63	284695	20.997	ug/l	98
25) 2-Butanone	6.85	43	357647	114.855	ug/l	99
26) 2,2-Dichloropropane	6.83	77	163943	15.894	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	161284	20.966	ug/l	98
28) Bromochloromethane	7.20	49	127274	20.580	ug/l	99
29) Tetrahydrofuran	7.22	42	239864	119.206	ug/l	99
30) Chloroform	7.37	83	290170	20.972	ug/l	99
31) Cyclohexane	7.66	56	216014	19.169	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	245057	20.706	ug/l	99
36) 1,1-Dichloropropene	7.80	75	200001	19.860	ug/l	98
37) Ethyl Acetate	6.94	43	150851	21.485	ug/l	99
38) Carbon Tetrachloride	7.77	117	214216	20.047	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	193297	18.658	ug/l	98
40) Benzene	8.04	78	635593	20.741	ug/l	99
41) Methacrylonitrile	7.18	41	76027	22.395	ug/l	88
42) 1,2-Dichloroethane	8.13	62	209511	20.493	ug/l	100
43) Isopropyl Acetate	8.17	43	317728	23.407	ug/l #	93
44) Trichloroethene	8.84	130	163646	19.873	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170129	20.960	ug/l	98
46) Dibromomethane	9.21	93	106922	21.215	ug/l	100
47) Bromodichloromethane	9.41	83	223721	21.032	ug/l	100
48) Methyl methacrylate	9.20	41	134993	22.324	ug/l	99
49) 1,4-Dioxane	9.20	88	39352	478.198	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	814118	117.949	ug/l	100
52) Toluene	10.16	92	386770	21.381	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	202466	20.171	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	235856	20.560	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	155471	21.668	ug/l	98
56) Ethyl methacrylate	10.43	69	187105	20.499	ug/l	100
57) 1,3-Dichloropropane	10.71	76	249855	21.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	366059	86.391	ug/l	99
59) 2-Hexanone	10.76	43	543548	110.125	ug/l	99
60) Dibromochloromethane	10.90	129	171148	21.545	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149542	21.006	ug/l	97
64) Tetrachloroethene	10.63	164	153639	20.001	ug/l	98
65) Chlorobenzene	11.44	112	417328	20.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	163450	21.078	ug/l	99
67) Ethyl Benzene	11.51	91	678632	20.933	ug/l	100
68) m/p-Xylenes	11.63	106	529391	43.171	ug/l	99
69) o-Xylene	11.95	106	255272	21.837	ug/l	97
70) Styrene	11.97	104	405484	20.066	ug/l	100
71) Bromoform	12.13	173	121119	21.471	ug/l #	100
73) Isopropylbenzene	12.25	105	679567	22.089	ug/l	99
74) N-amyl acetate	12.07	43	205158	21.819	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205381	24.078	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	163322m	22.154	ug/l	
77) Bromobenzene	12.53	156	177137	20.775	ug/l	97
78) n-propylbenzene	12.59	91	762405	22.172	ug/l	99
79) 2-Chlorotoluene	12.68	91	470125	22.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	557973	23.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46743	20.111	ug/l	96
82) 4-Chlorotoluene	12.78	91	468120	22.179	ug/l	99
83) tert-Butylbenzene	13.00	119	473244	22.409	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	561398	23.016	ug/l	99
85) sec-Butylbenzene	13.17	105	630327	22.338	ug/l	99
86) p-Isopropyltoluene	13.29	119	531527	22.355	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	308731	21.359	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298216	21.167	ug/l	98
89) n-Butylbenzene	13.62	91	398761	20.395	ug/l	99
90) Hexachloroethane	13.88	117	107843	20.427	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	309593	21.426	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33199	23.794	ug/l	97

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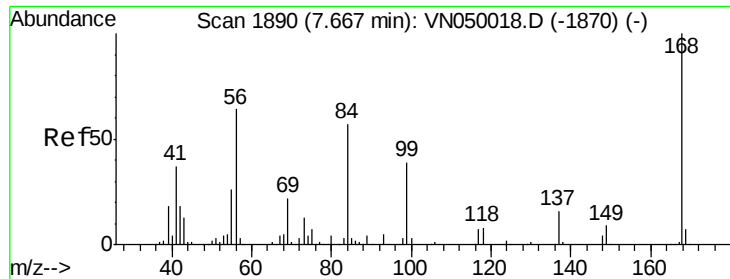
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132095	19.260	ug/l	97
94) Hexachlorobutadiene	15.01	225	91291	20.638	ug/l	100
95) Naphthalene	15.14	128	298675	19.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	142533	20.460	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion:168 Resp: 585124

Ion Ratio Lower Upper

168 100

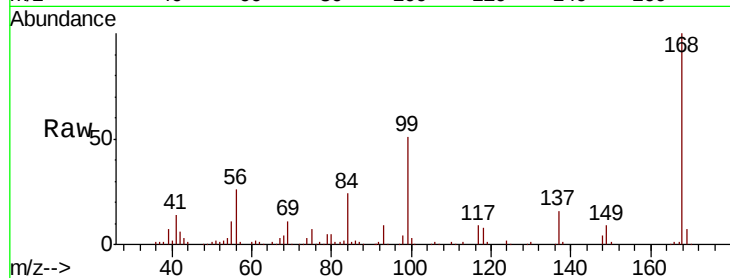
99 50.6 40.0 60.0

Manual Integrations

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8/3/2018 9:37:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

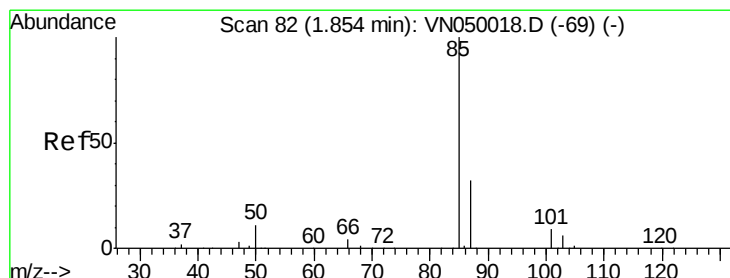
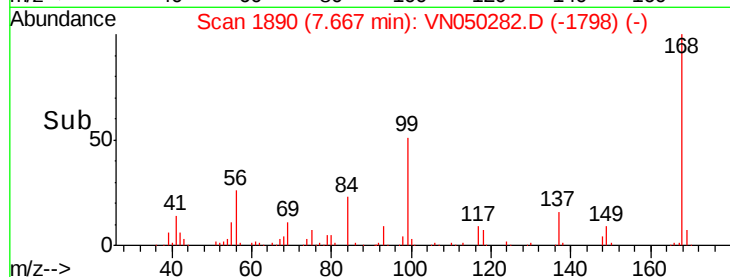
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.112 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050282.D

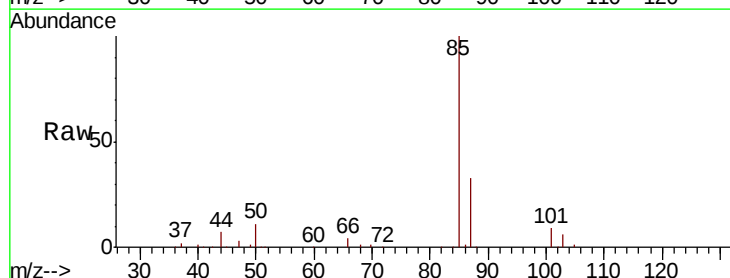
Acq: 2 Aug 2018 23:39

Tgt Ion: 85 Resp: 169084

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

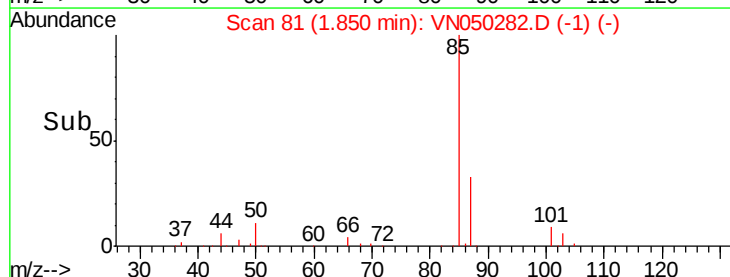
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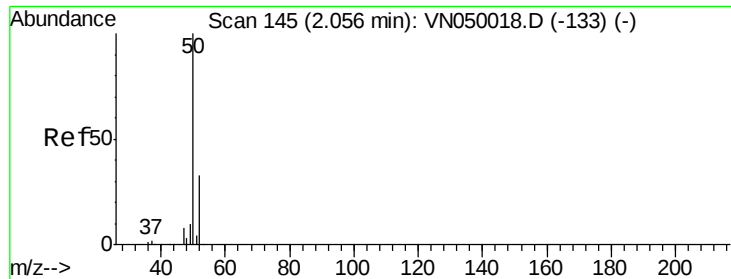
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.021 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 50 Resp: 164686

Ion Ratio Lower Upper

50 100

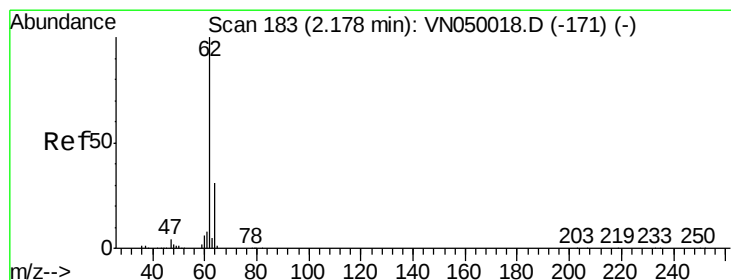
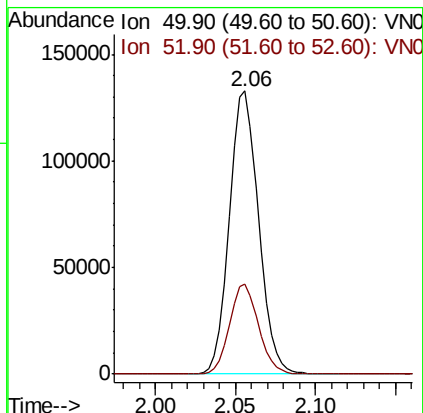
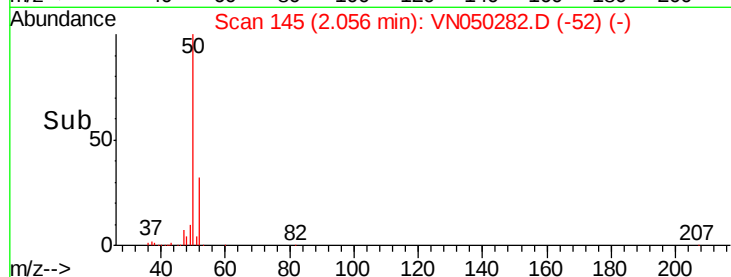
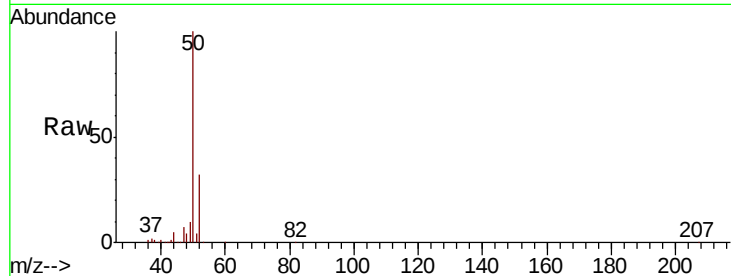
52 31.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.519 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050282.D

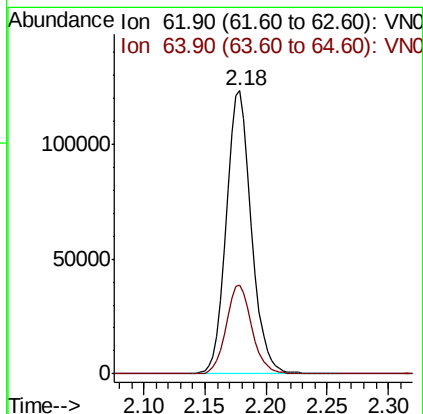
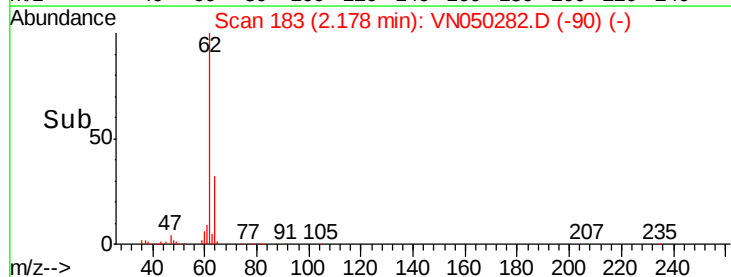
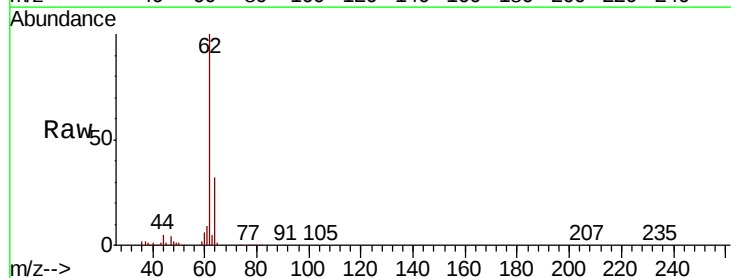
Acq: 2 Aug 2018 23:39

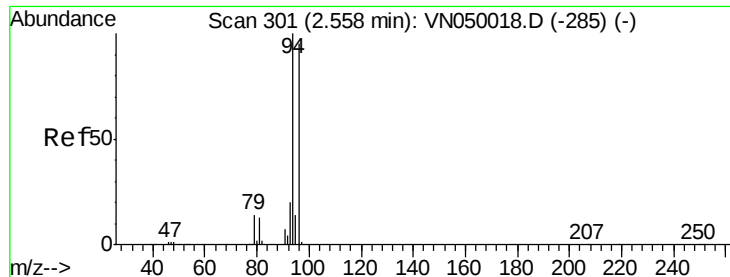
Tgt Ion: 62 Resp: 178227

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 13.199 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

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Tot Ion: 94 Resp: 74485

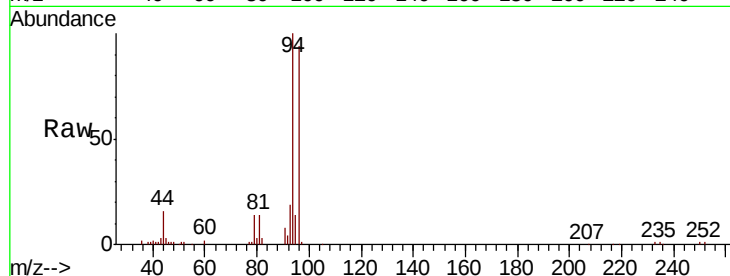
Ion Ratio Lower Upper

94 100

96 94.2 74.6 112.0

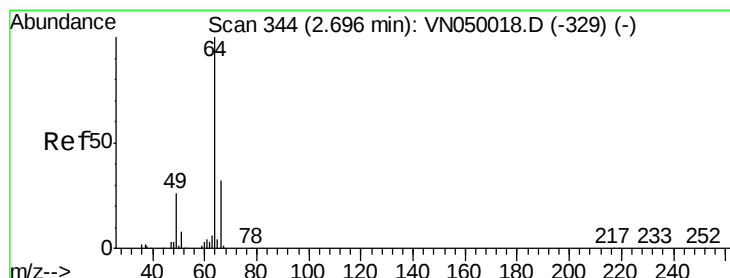
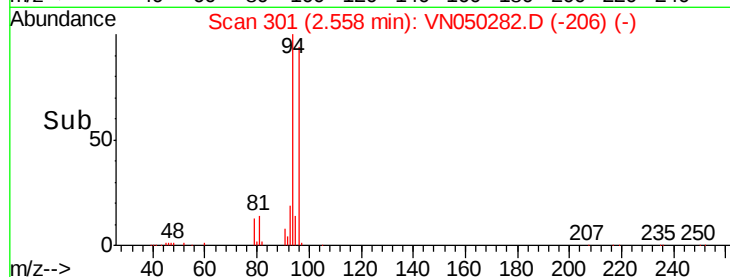
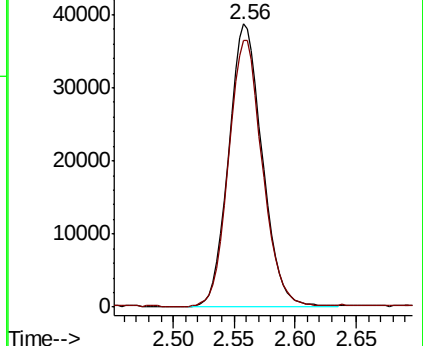
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8/3/2018 9:37:01 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.533 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050282.D

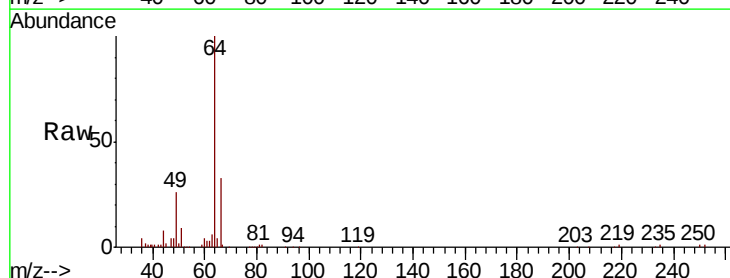
Acq: 2 Aug 2018 23:39

Tgt Ion: 64 Resp: 107114

Ion Ratio Lower Upper

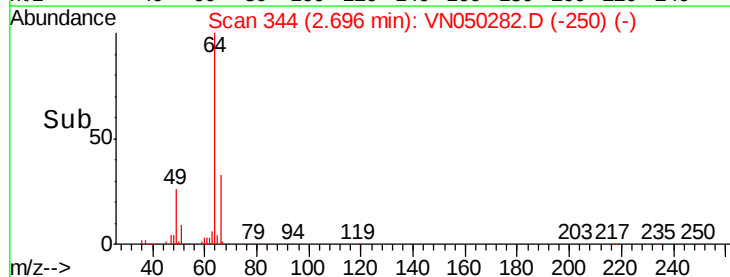
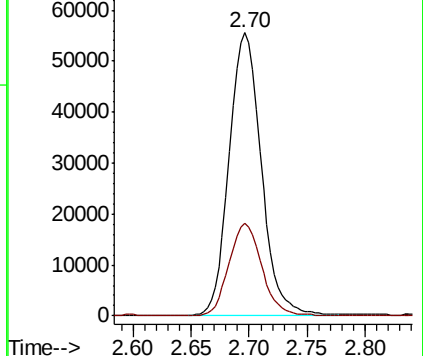
64 100

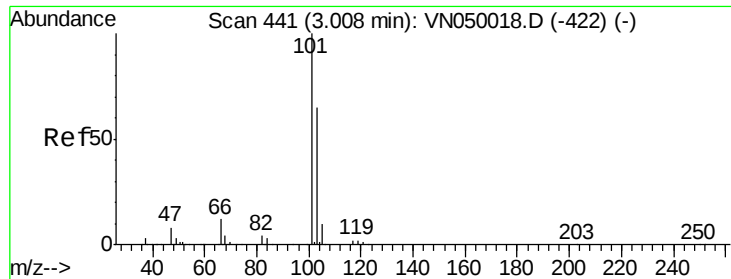
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

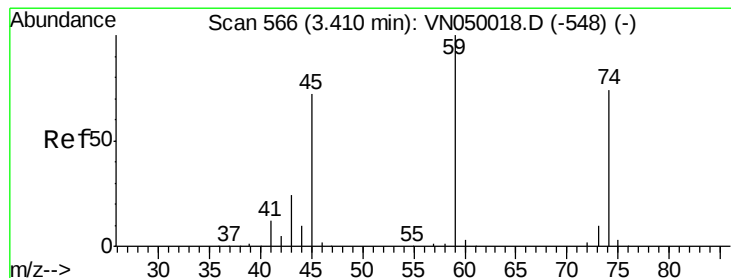
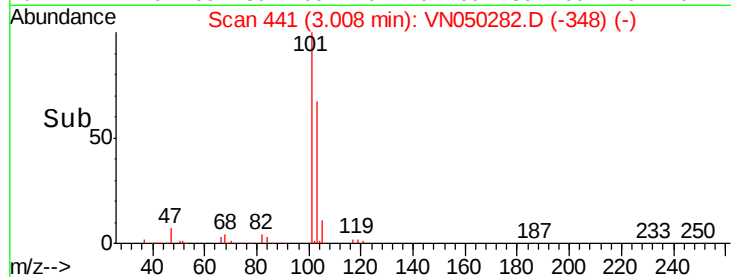
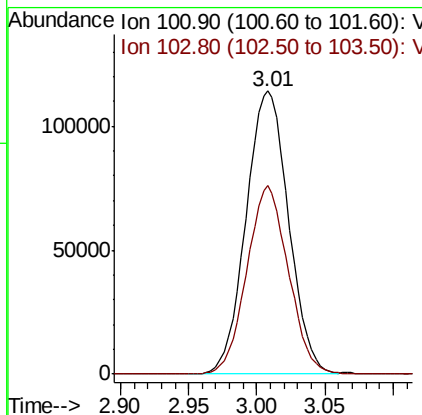
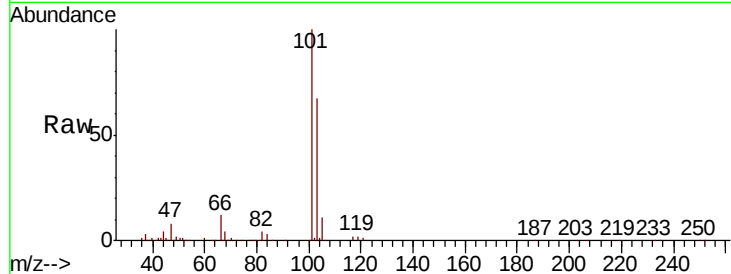
Trichlorofluoromethane
 Concen: 19.811 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.7	77.5

Manual Integrations
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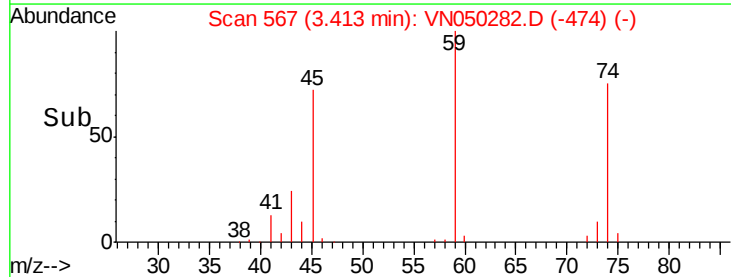
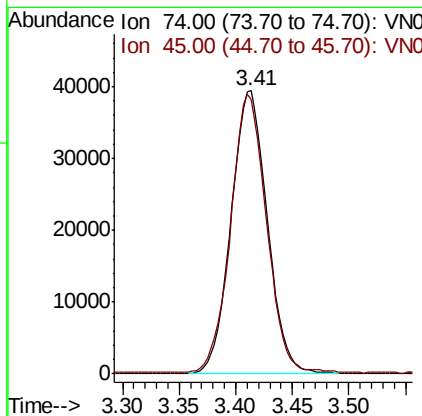
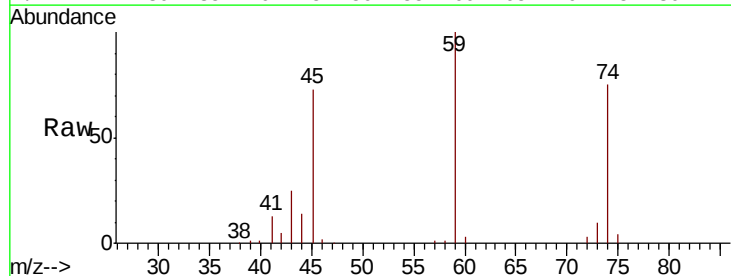
MMDadoda
 8/3/2018 9:37:01 AM

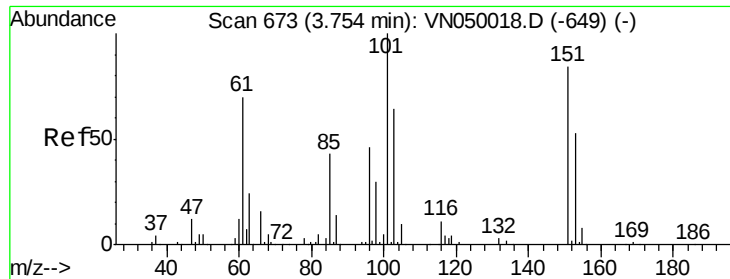


#8

Diethyl Ether
 Concen: 21.198 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.175 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

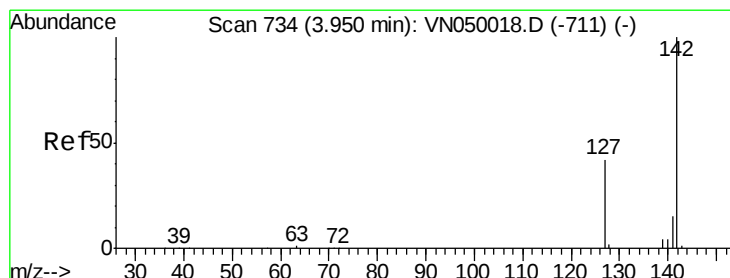
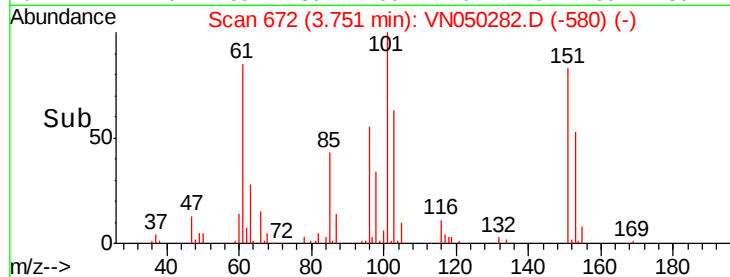
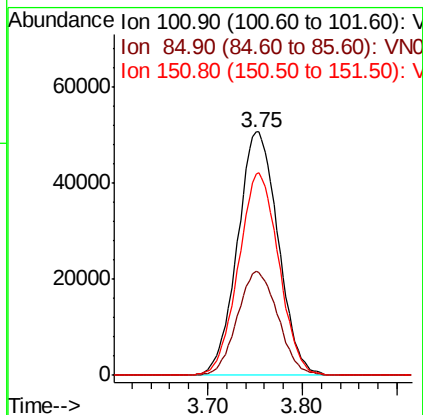
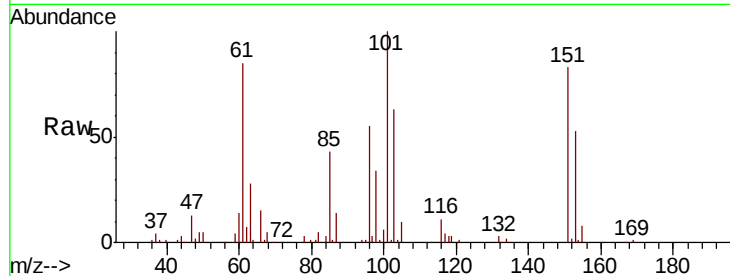
ClientSampleId :

VN0802WBSD02

Tot Ion:	101	Resp:	151255
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	82.4	66.3	99.5

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#10

Methyl Iodide

Concen: 10.140 ug/l

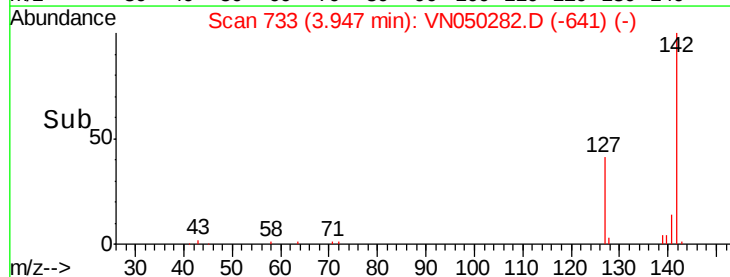
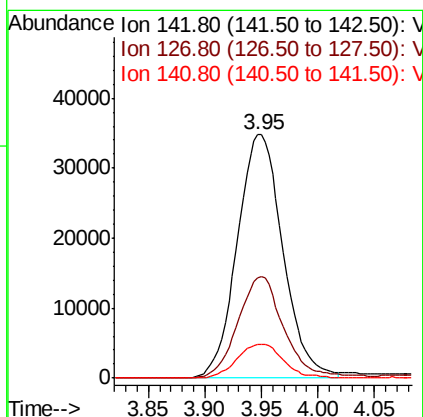
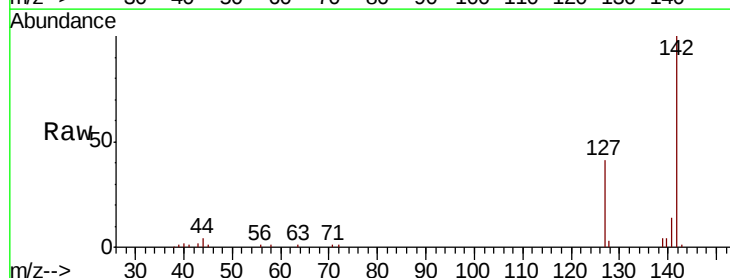
RT: 3.95 min Scan# 733

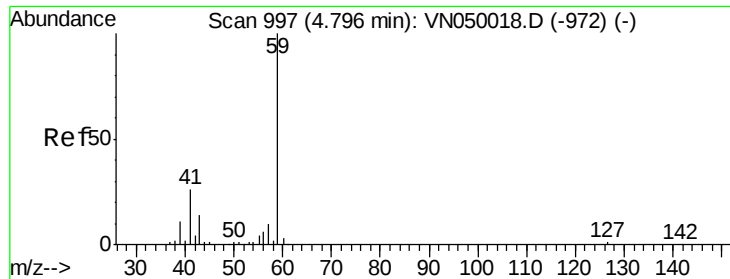
Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion:	142	Resp:	97574
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.4	50.2
141	14.1	11.6	17.4





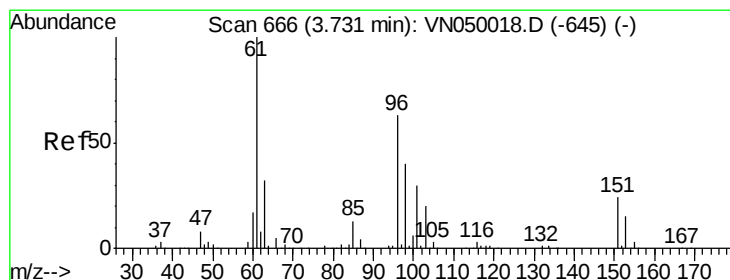
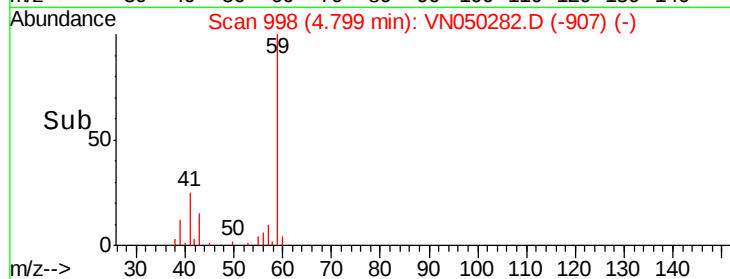
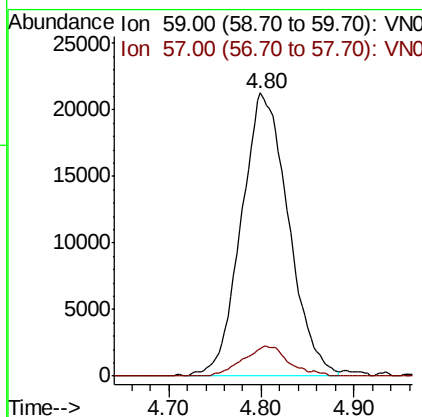
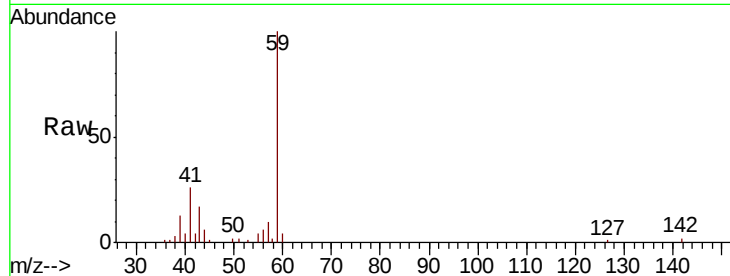
#11
Tert butyl alcohol
Concen: 124.996 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	59.00	Resp	75083
Ion Ratio	100	Lower	Upper
59	100		
57	10.4	8.5	12.7

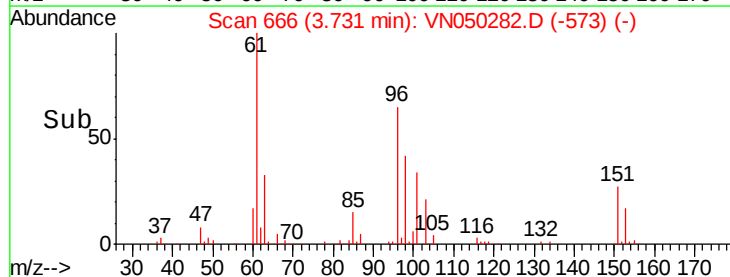
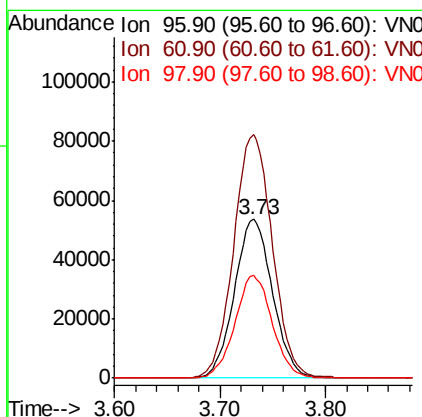
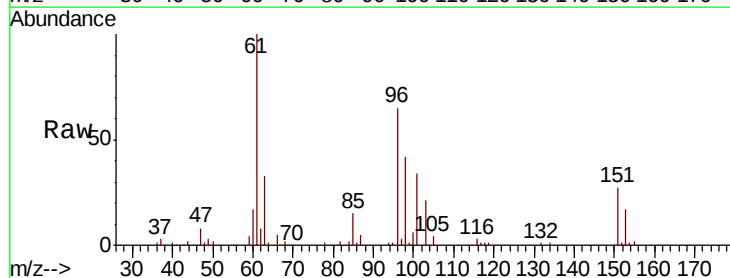
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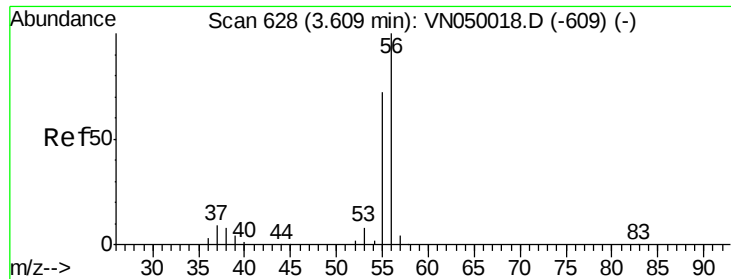
MMDadoda
8/3/2018 9:37:01 AM



#12
1,1-Dichloroethene
Concen: 19.988 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	96	Resp	134798
Ion Ratio	100	Lower	Upper
96	100		
61	153.3	124.4	186.6
98	64.5	48.3	72.5





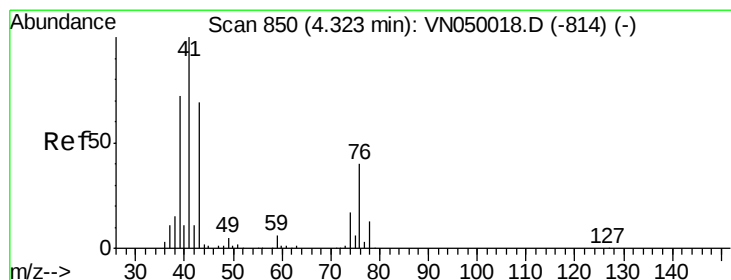
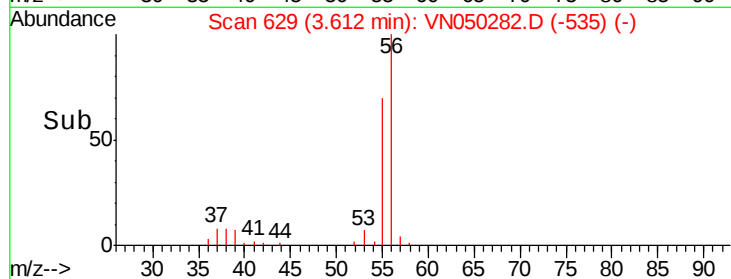
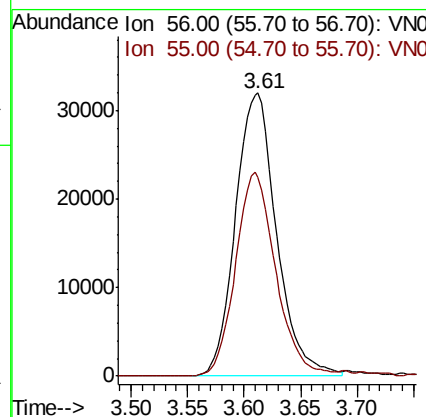
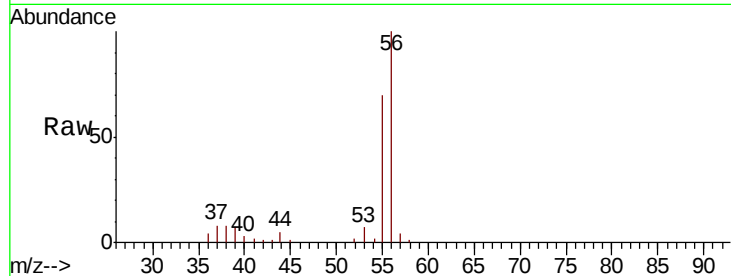
#13
Acrolein
Concen: 167.688 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	56	55	Resp	80929
Ion Ratio	100	70.5	Lower	Upper
			55.8	83.6

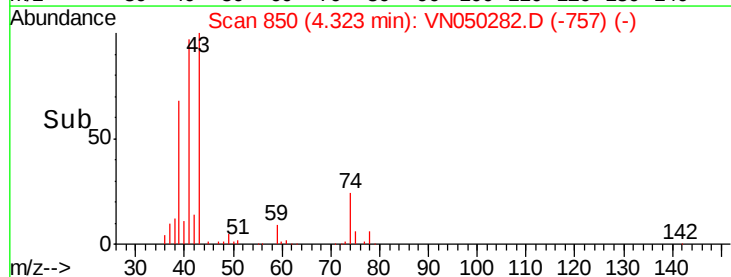
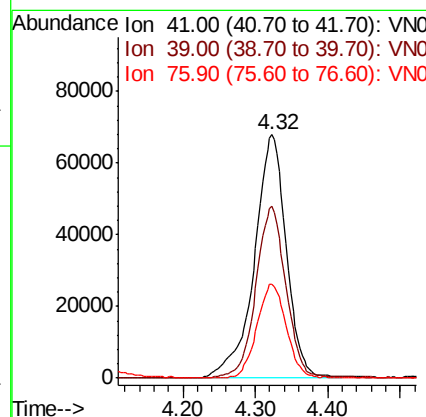
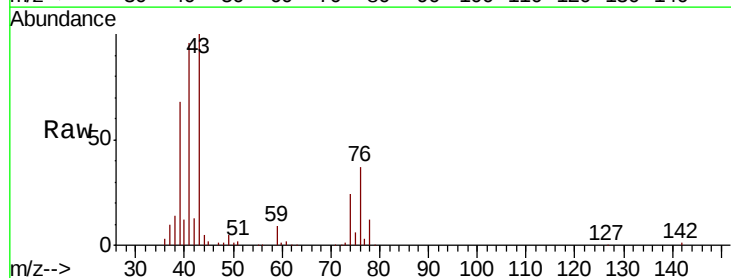
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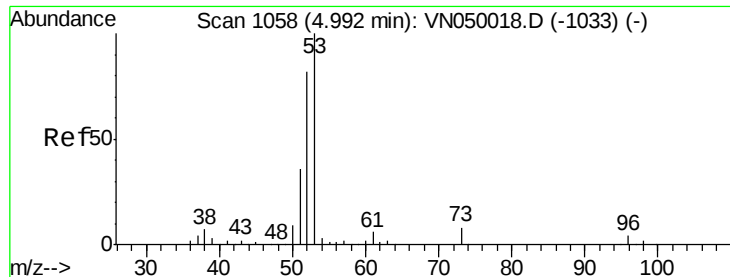
MMDadoda
8/3/2018 9:37:01 AM



#14
Allyl chloride
Concen: 19.948 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	41	39	76	Resp	208596
Ion Ratio	100	66.3	34.7	Lower	Upper
				54.2	81.4
				29.0	43.6





#15

Acrylonitrile

Concen: 115.505 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

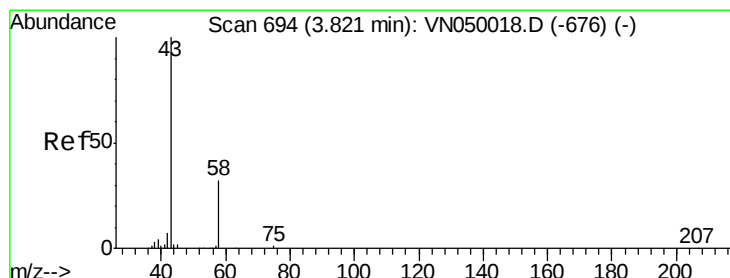
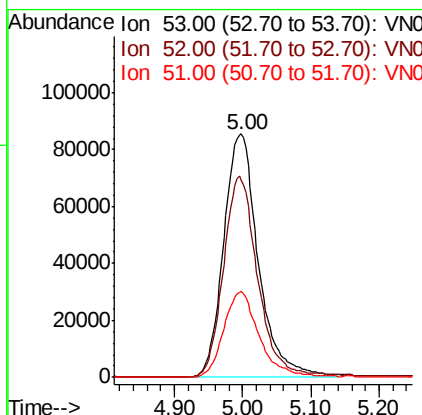
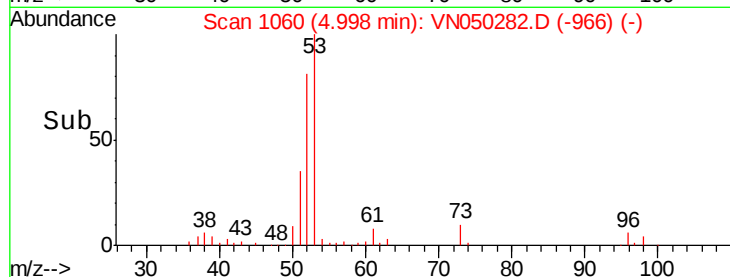
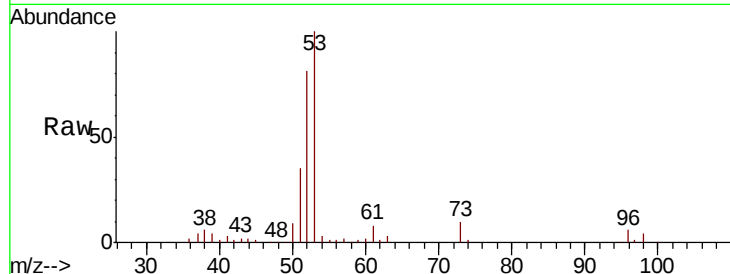
ClientSampleId :

VN0802WBSD02

Tot Ion:	53	Resp:	302704
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.2	99.2
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 116.721 ug/l

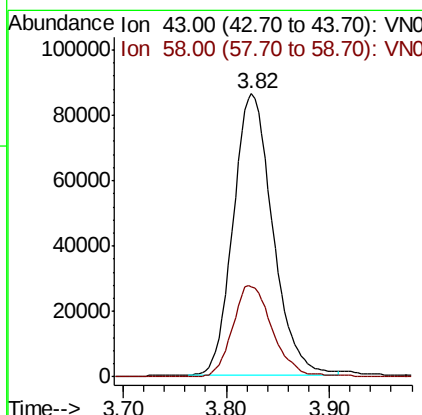
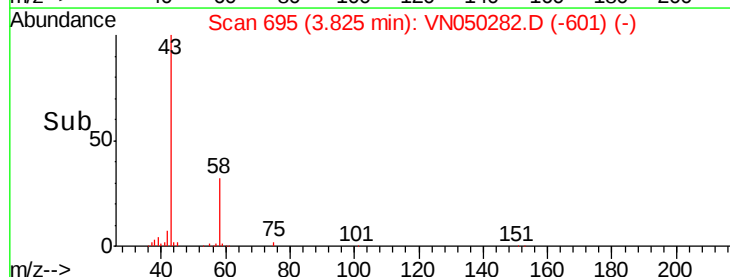
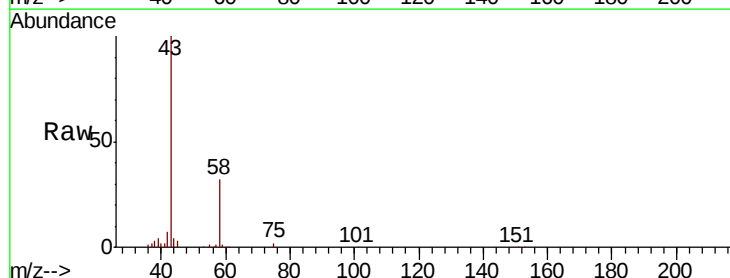
RT: 3.82 min Scan# 695

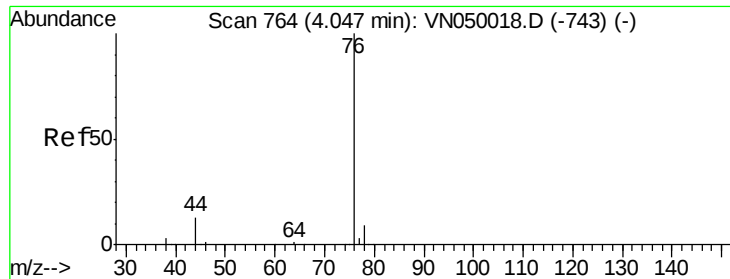
Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion:	43	Resp:	228904
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.8	38.8





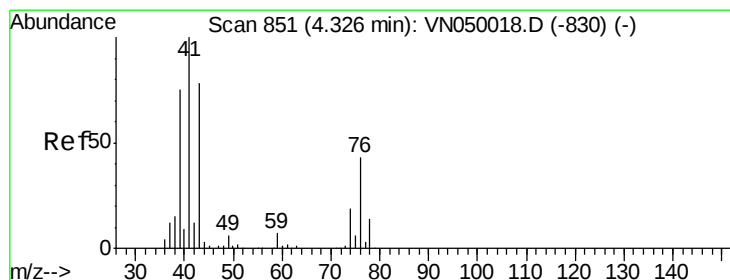
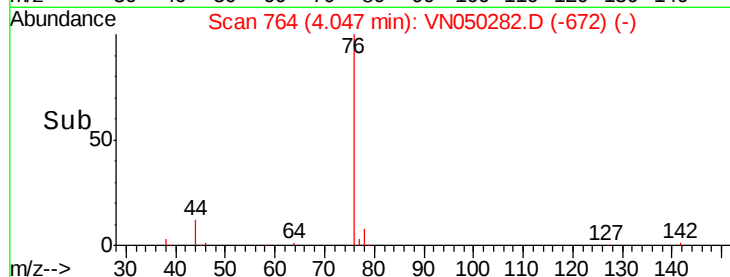
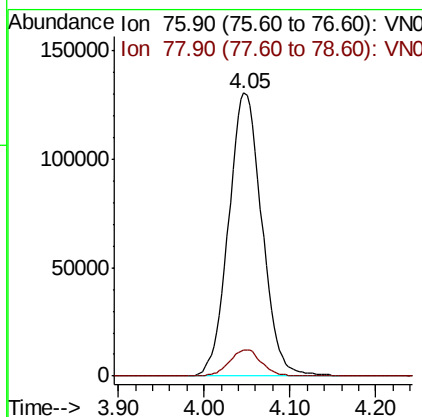
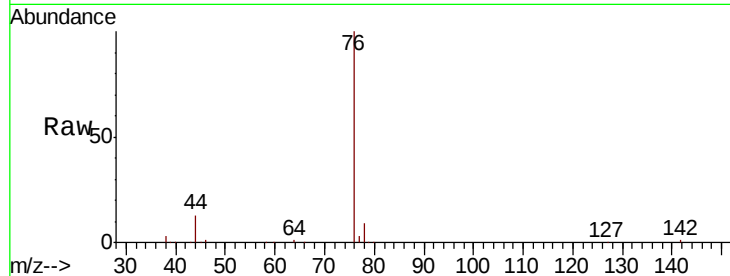
#17
Carbon Disulfide
Concen: 17.016 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

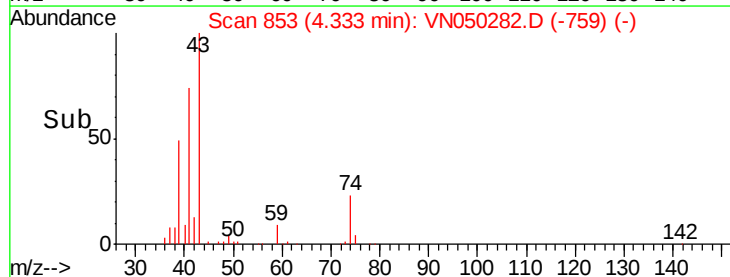
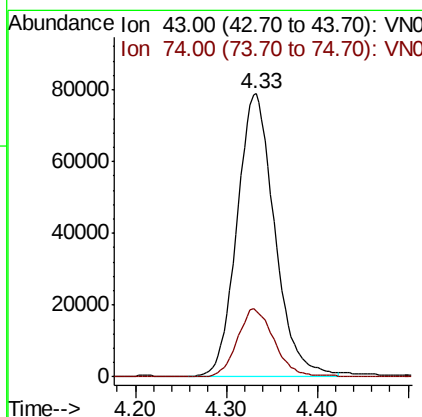
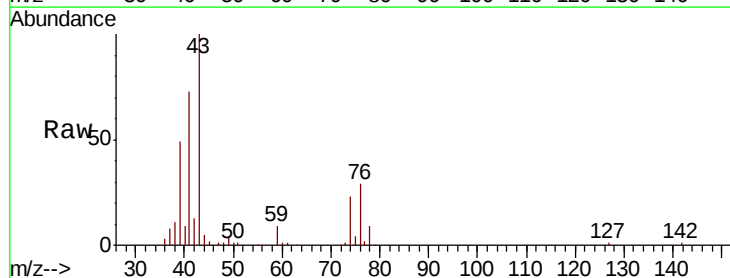
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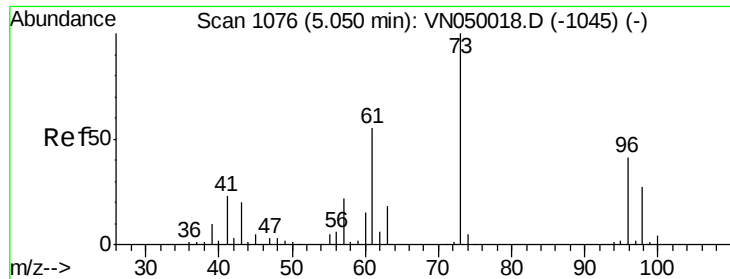
MMDadoda
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#18
Methyl Acetate
Concen: 29.416 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





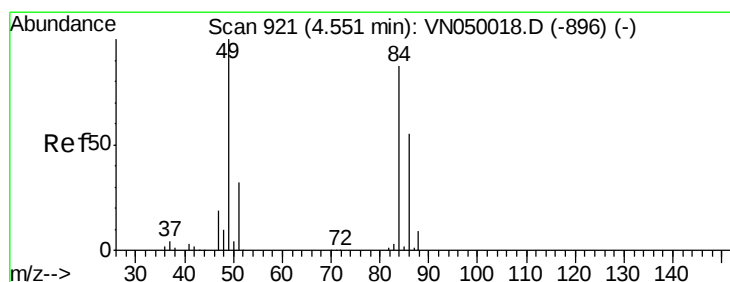
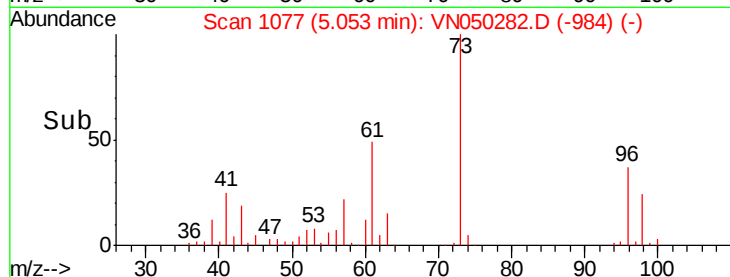
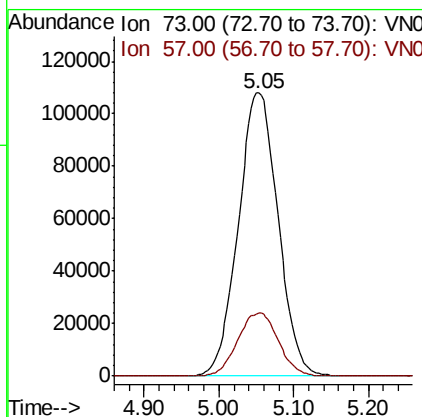
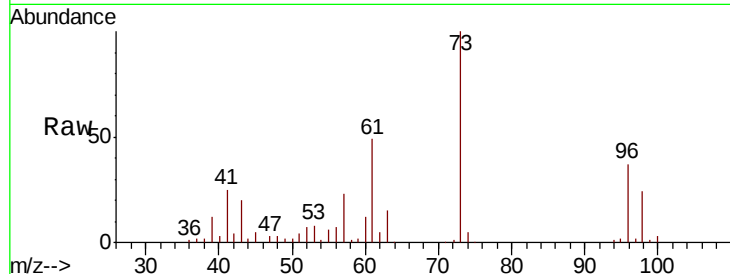
#19
Methvl tert-butvl Ether
Concen: 22.198 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion: 73 Resp: 398933
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

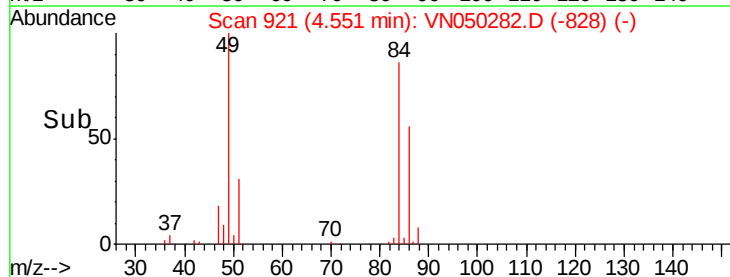
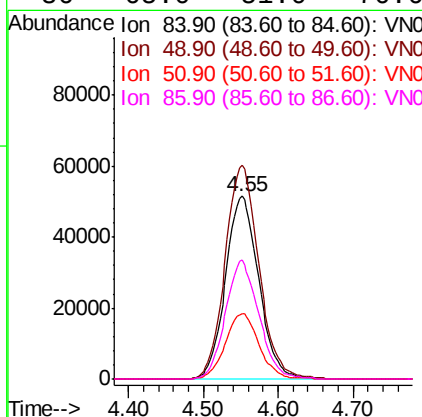
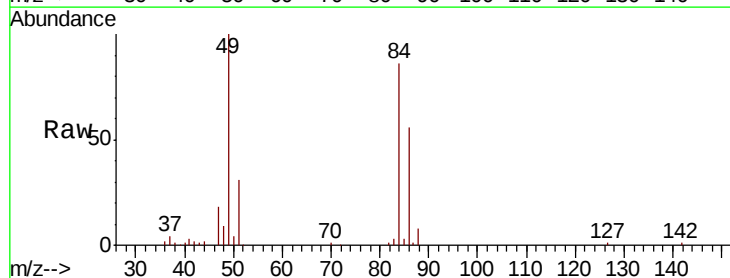
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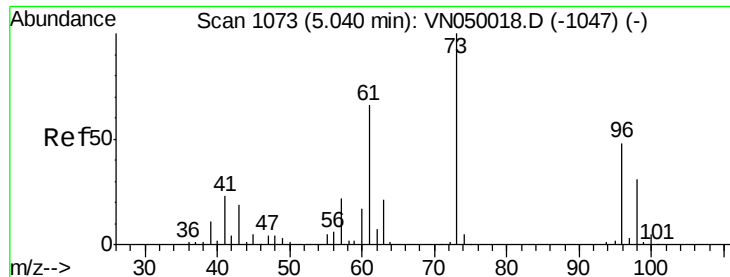
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#20
Methylene Chloride
Concen: 21.261 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 84 Resp: 159116
Ion Ratio Lower Upper
84 100
49 116.9 94.8 142.2
51 35.9 28.3 42.5
86 65.0 51.0 76.6





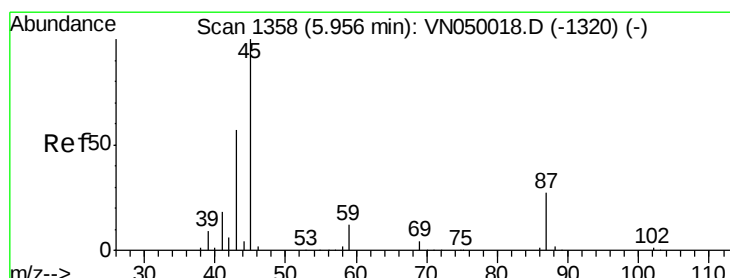
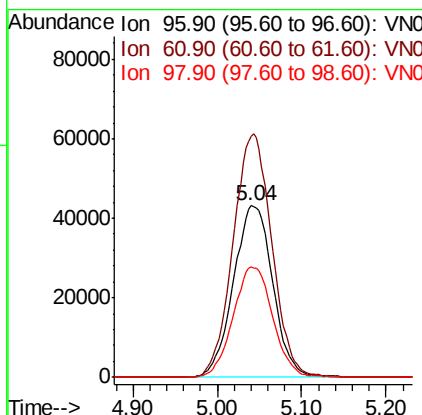
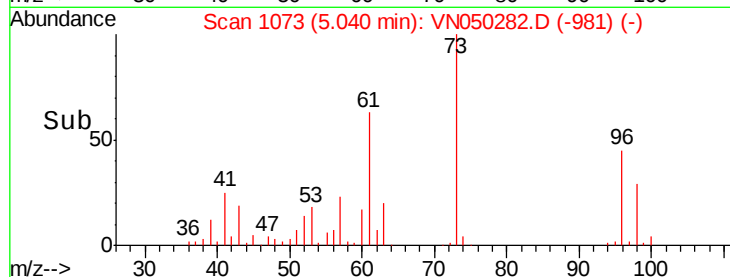
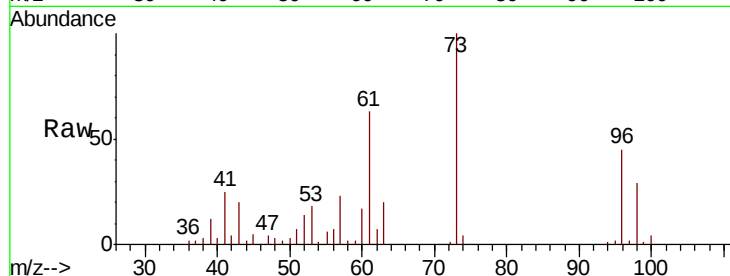
#21
trans-1,2-Dichloroethene
Concen: 19.614 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	110.7	166.1
98	64.6	51.6	77.4

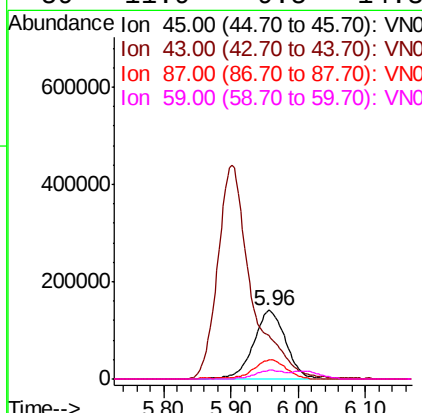
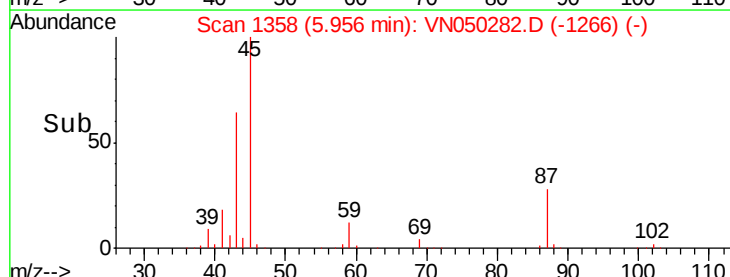
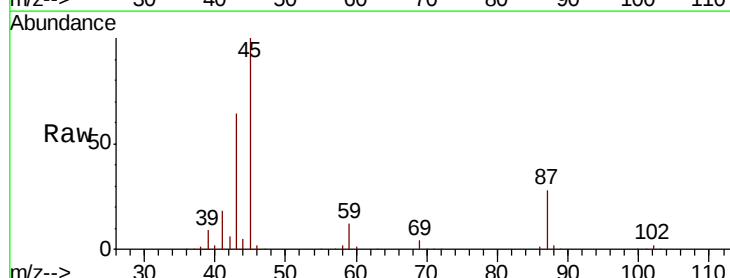
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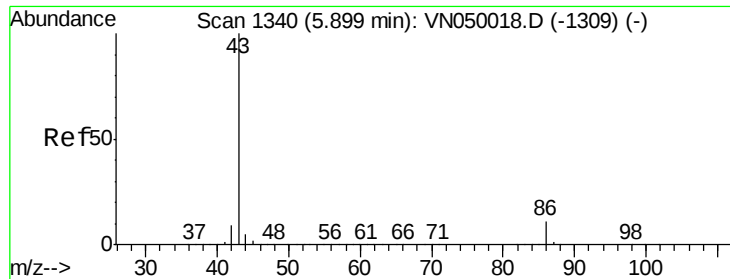
MMDadoda
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#22
Diisopropyl ether
Concen: 22.577 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	45.7	68.5
87	27.4	22.7	34.1
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 104.221 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 43 Resp: 1527129

Ion Ratio Lower Upper

43 100

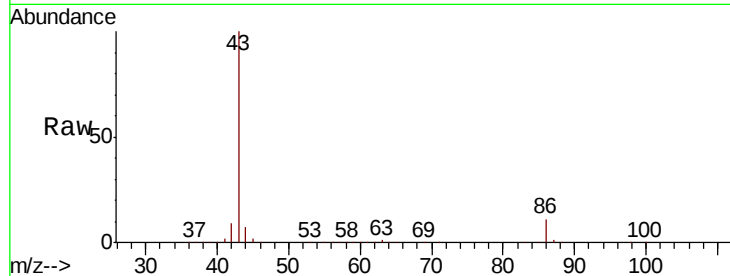
86 10.7 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

200000

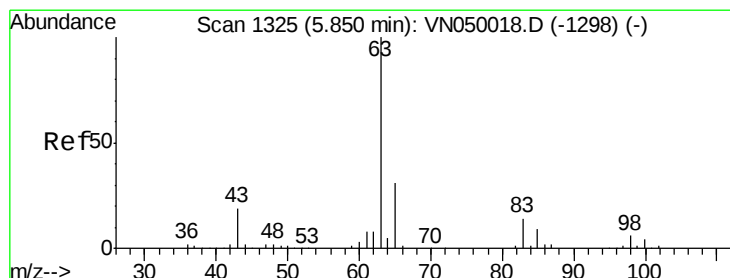
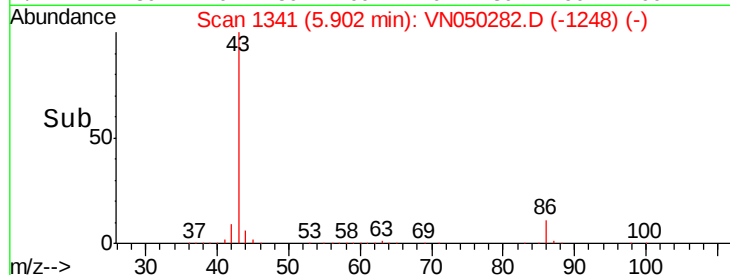
100000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.997 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

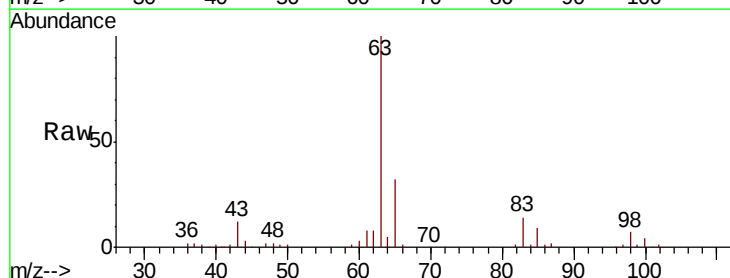
Tgt Ion: 63 Resp: 284695

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

40000

20000

0

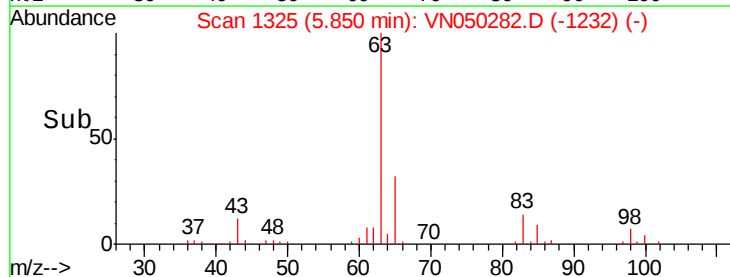
5.70

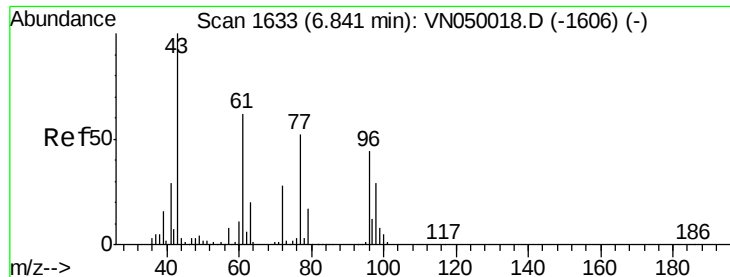
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 114.855 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 43 Resp: 357647

Ion Ratio Lower Upper

43 100

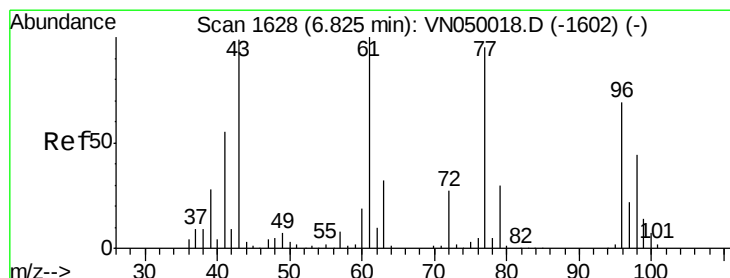
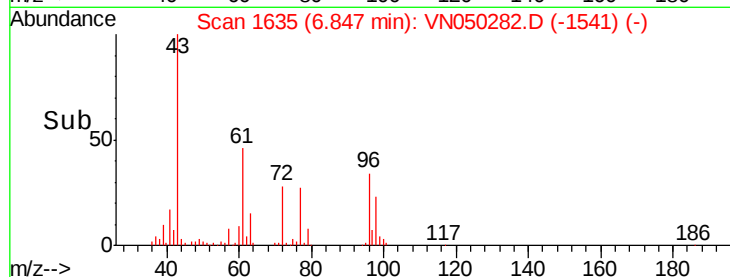
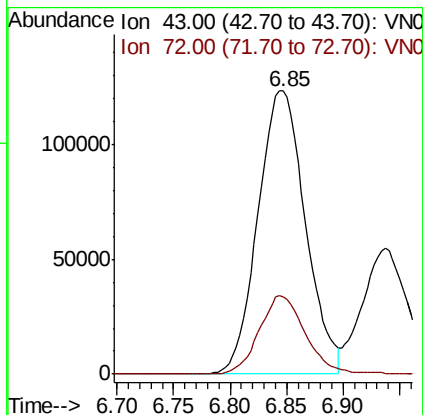
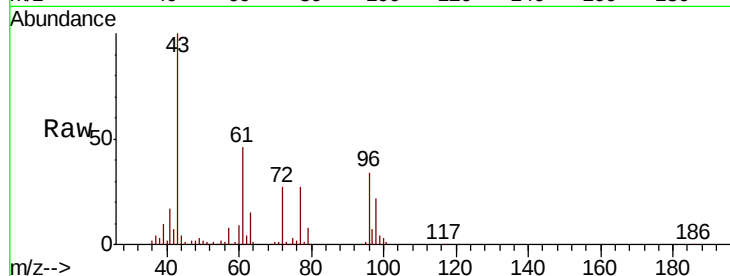
72 27.5 21.5 32.3

Manual Integrations

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MMDadoda

8/3/2018 9:37:01 AM



#26

2,2-Dichloropropane

Concen: 15.894 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050282.D

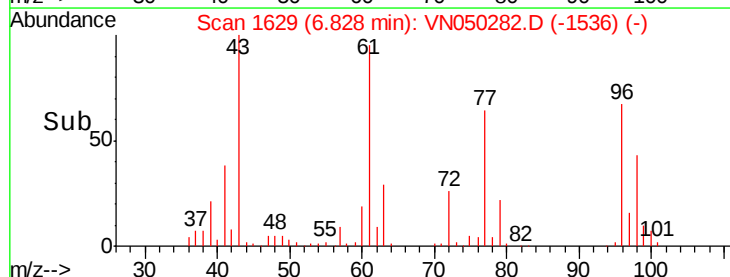
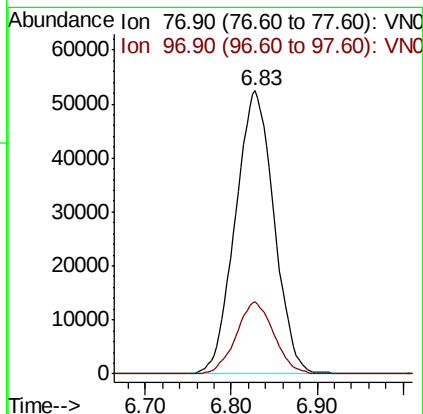
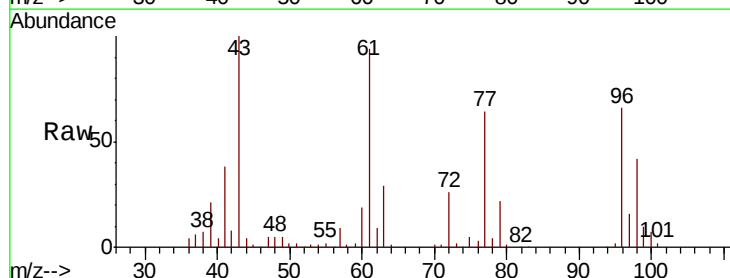
Acq: 2 Aug 2018 23:39

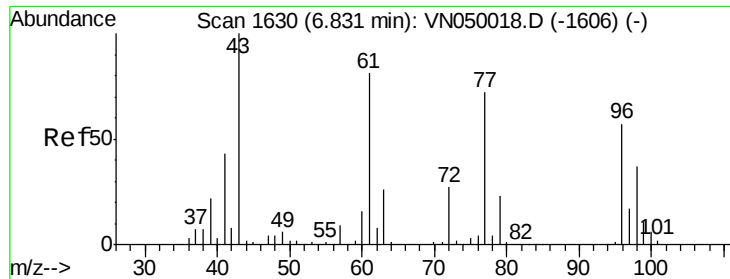
Tgt Ion: 77 Resp: 163943

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.966 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

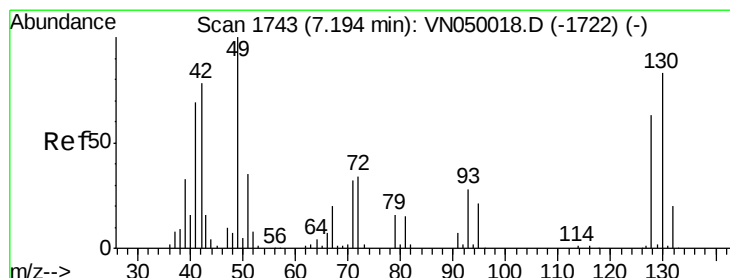
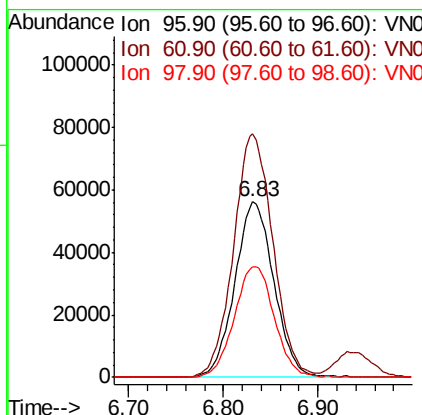
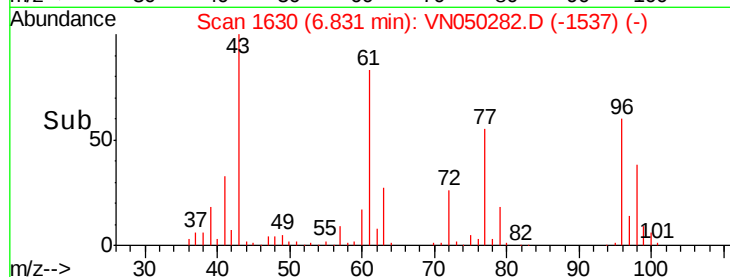
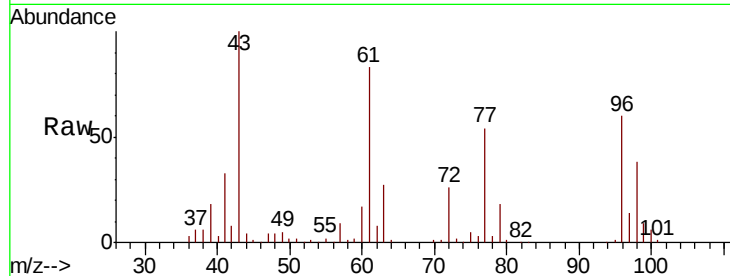
ClientSampleId :

VN0802WBSD02

Tot Ion:	96	Resp:	161284
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	285.0
98	64.3	0.0	129.2

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#28

Bromochloromethane

Concen: 20.580 ug/l

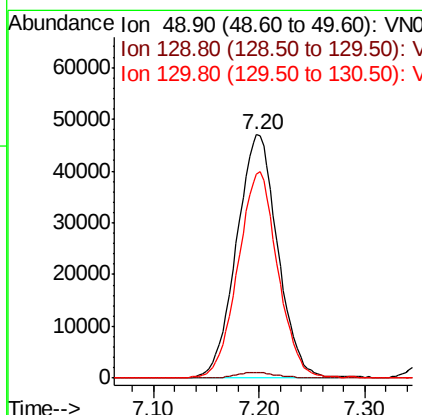
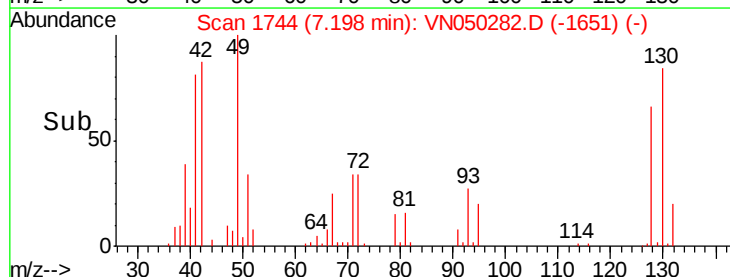
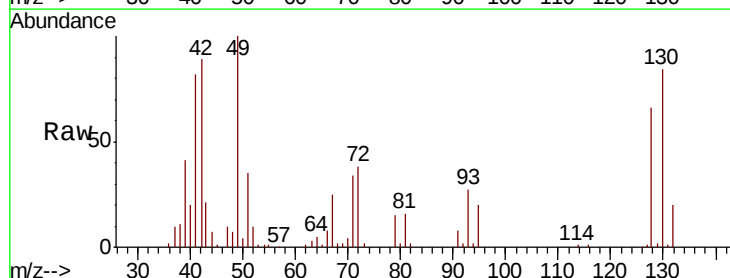
RT: 7.20 min Scan# 1744

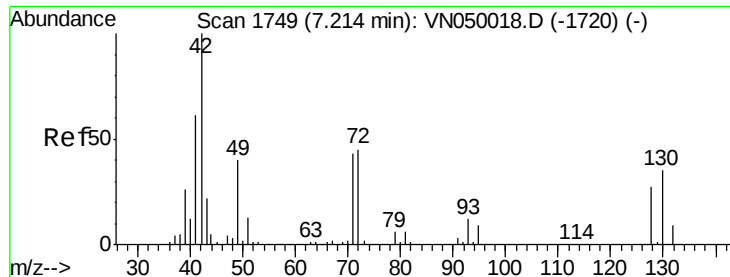
Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion:	49	Resp:	127274
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	82.3	66.3	99.5





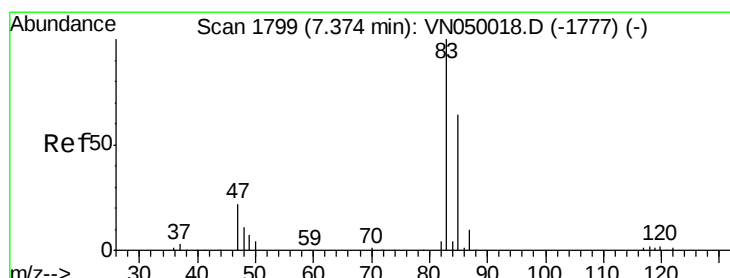
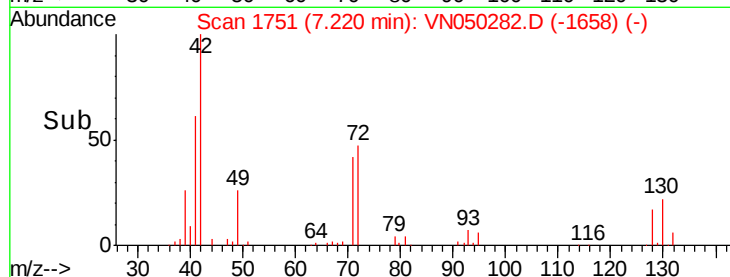
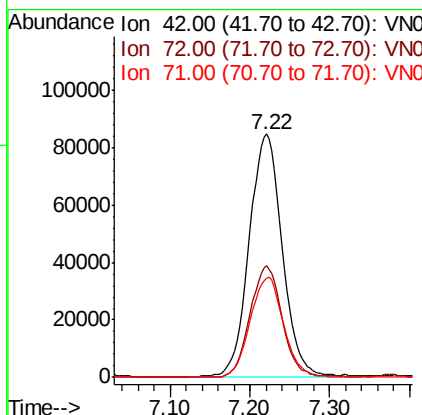
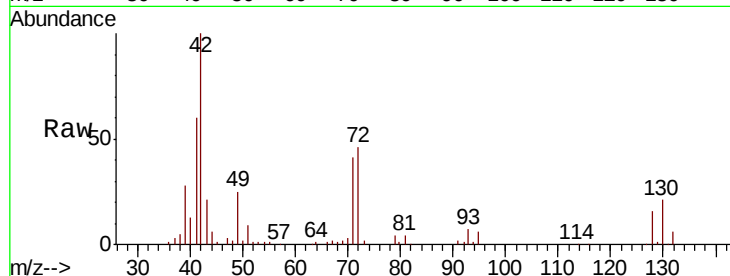
#29
Tetrahydrofuran
Concen: 119.206 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	41.3	33.7	50.5

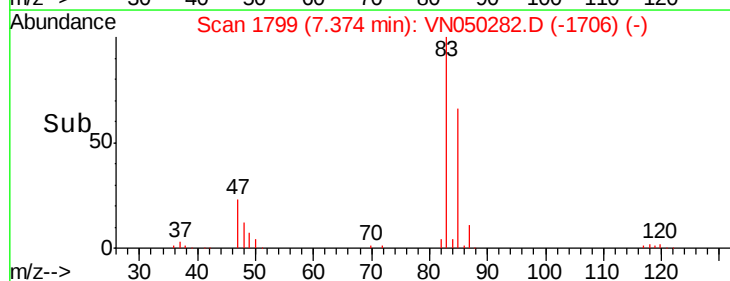
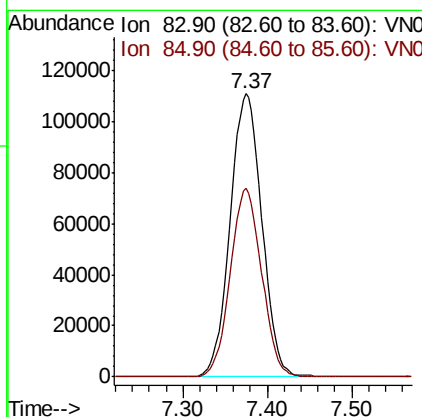
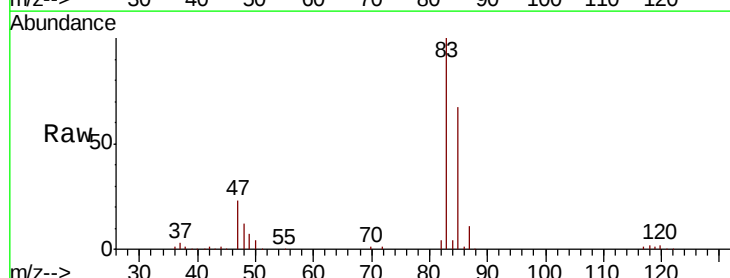
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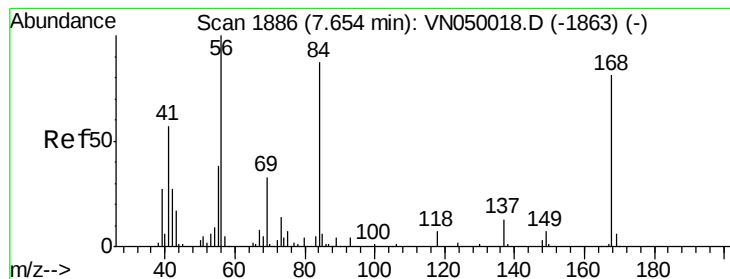
MMDadoda
8/3/2018 9:37:01 AM



#30
Chloroform
Concen: 20.972 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.5	78.7





#31

Cyclohexane

Concen: 19.169 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 56 Resp: 216014

Ion Ratio Lower Upper

56 100

69 37.9 26.2 39.4

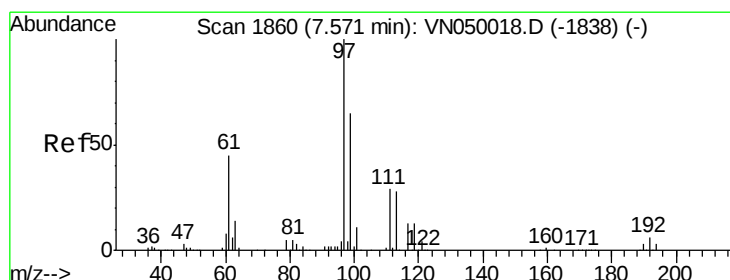
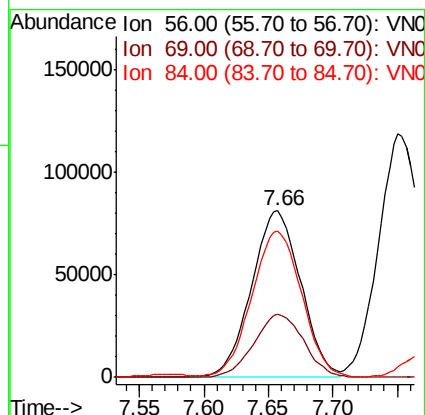
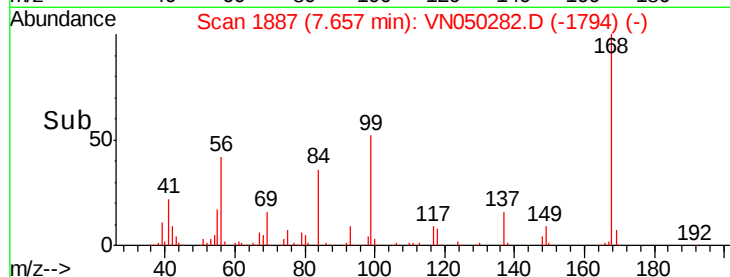
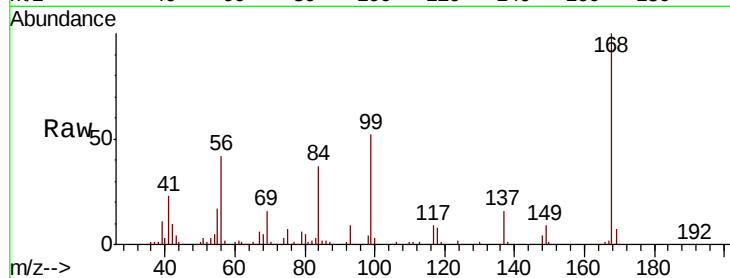
84 86.9 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.706 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

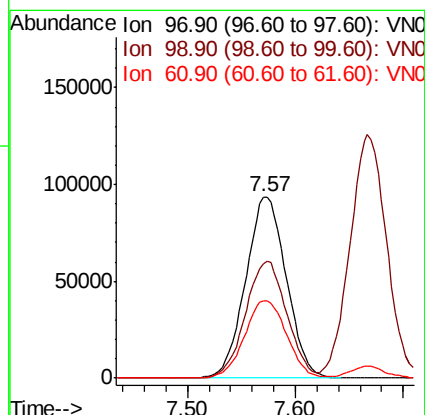
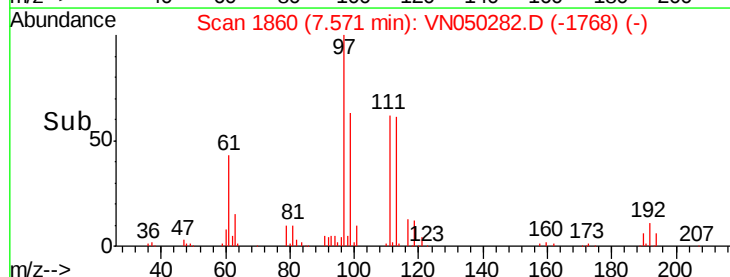
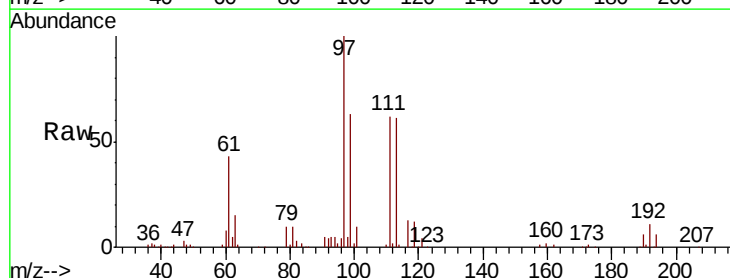
Tgt Ion: 97 Resp: 245057

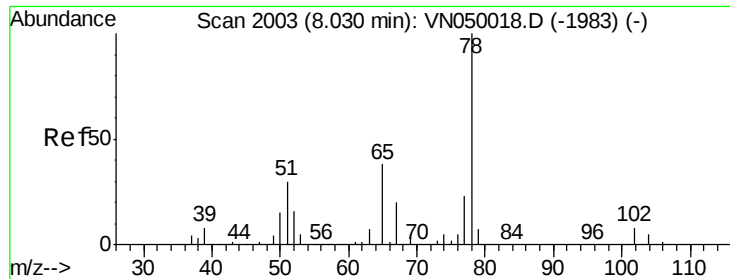
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 44.4 35.4 53.0





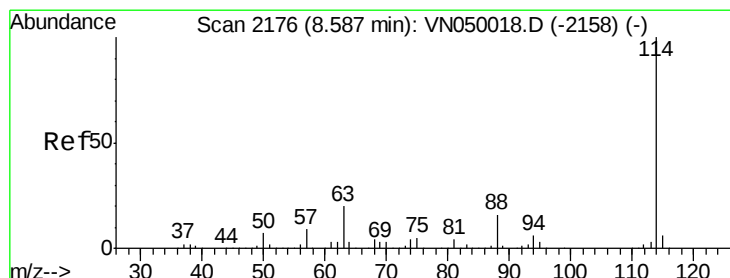
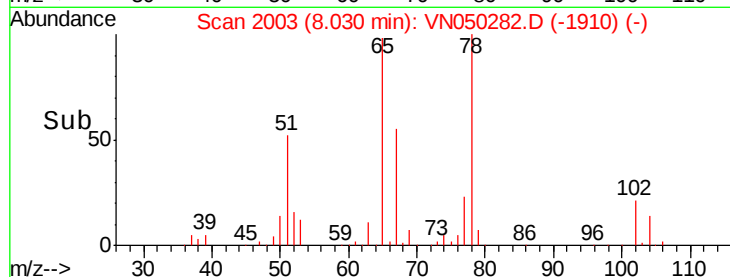
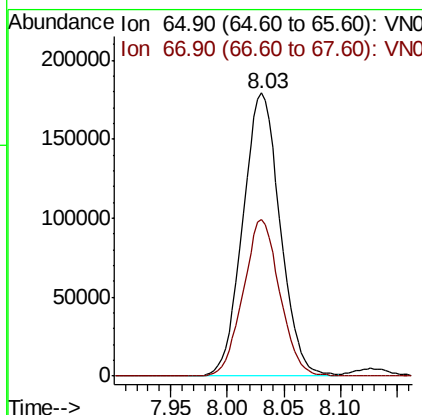
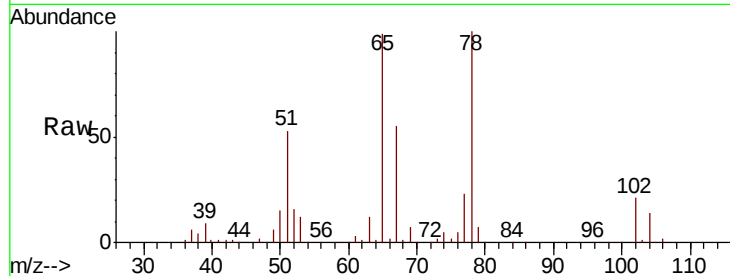
#33
 1,2-Dichloroethane-d4
 Concen: 50.408 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.4	

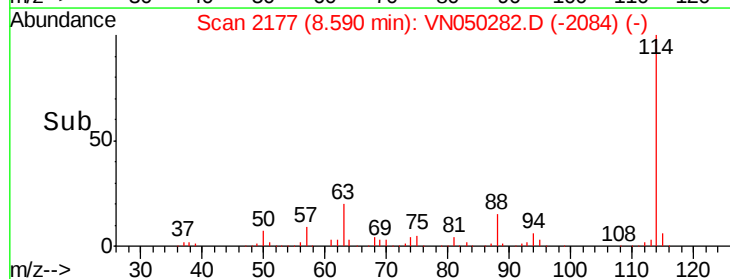
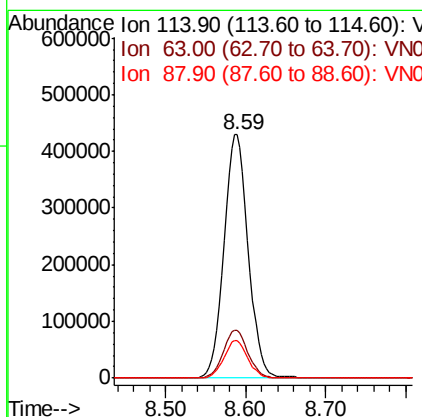
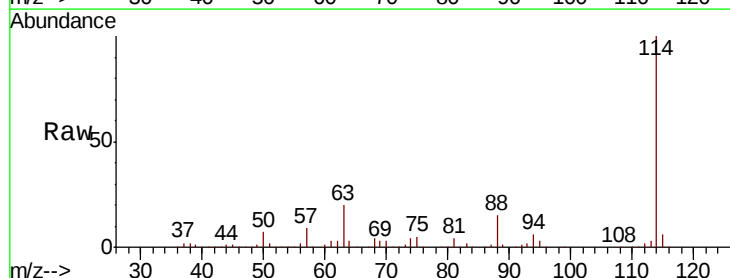
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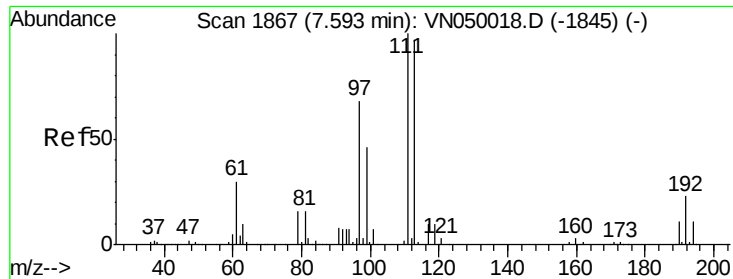
MMDadoda
 8/3/2018 9:37:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.0	
88	15.4	0.0	31.2	





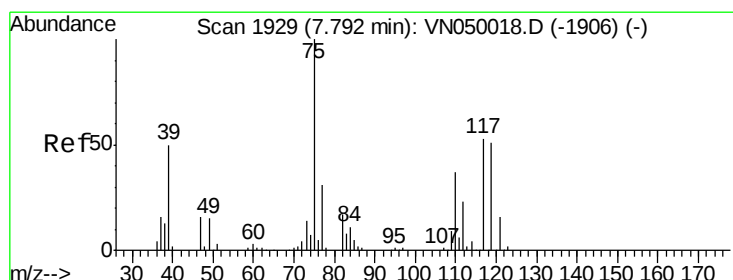
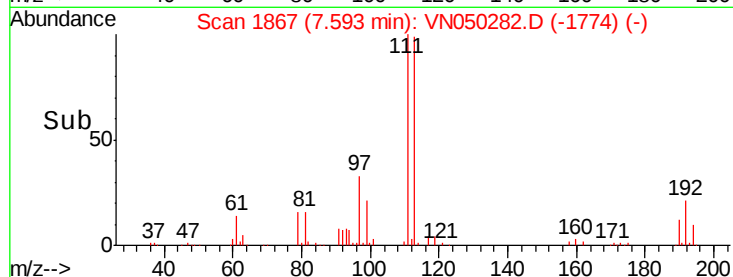
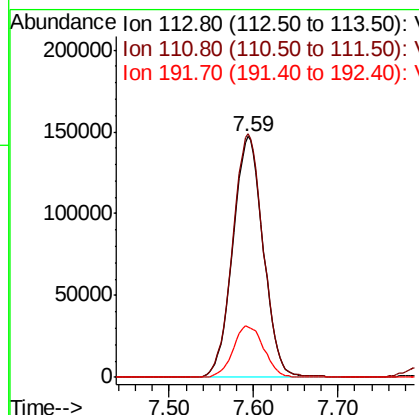
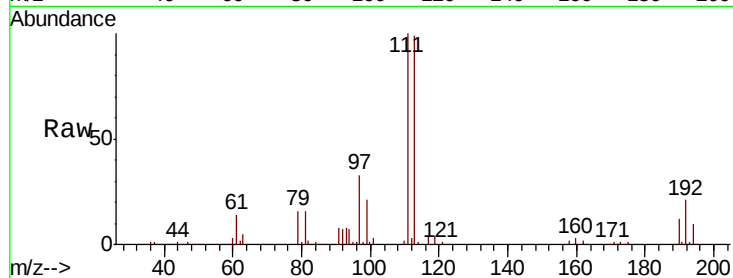
#35
 Dibromofluoromethane
 Concen: 50.700 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	370019		
111	101.1	80.7	121.1	
192	21.5	17.8	26.6	

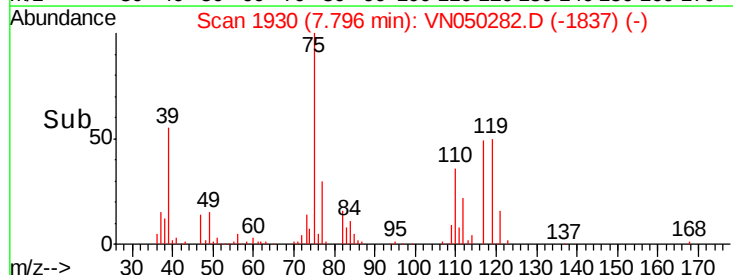
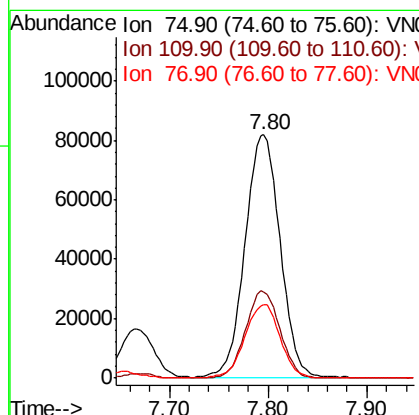
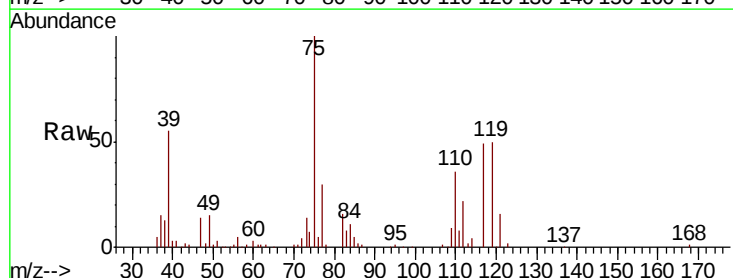
Manual Integrations
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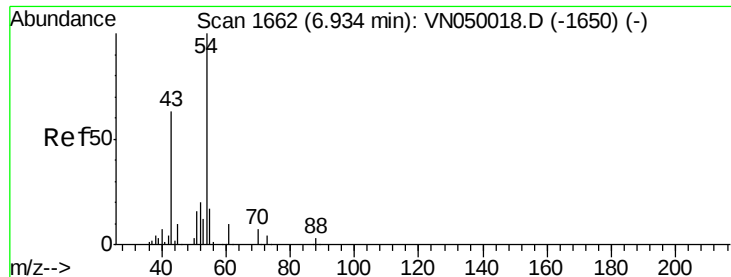
MMDadoda
 8/3/2018 9:37:01 AM



#36
 1,1-Dichloropropene
 Concen: 19.860 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200001		
110	35.3	18.4	55.2	
77	30.7	25.3	37.9	





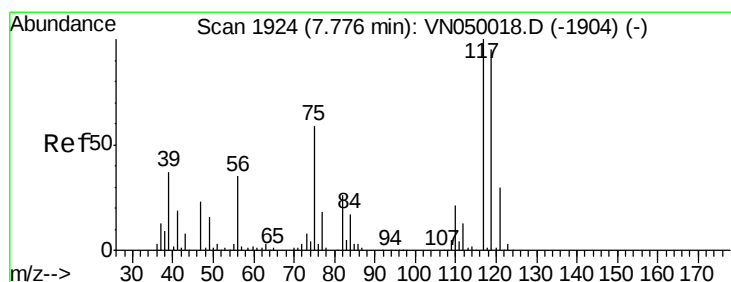
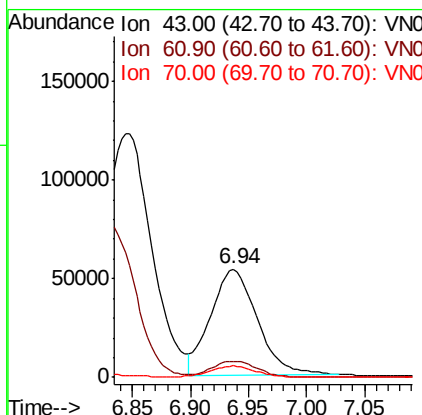
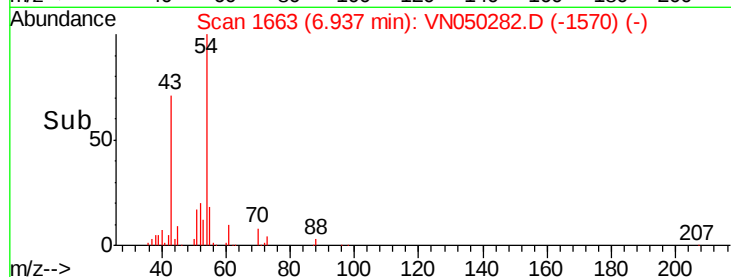
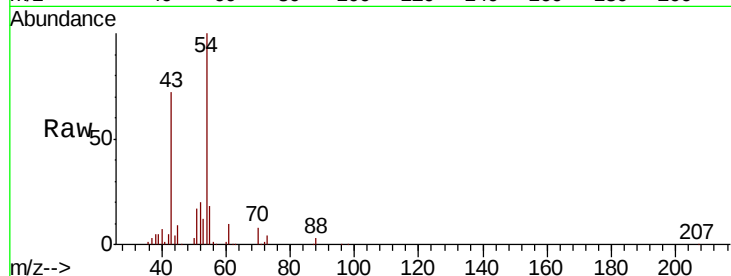
#37
Ethyl Acetate
Concen: 21.485 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	43	Resp	150851
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	10.4	8.4	12.6

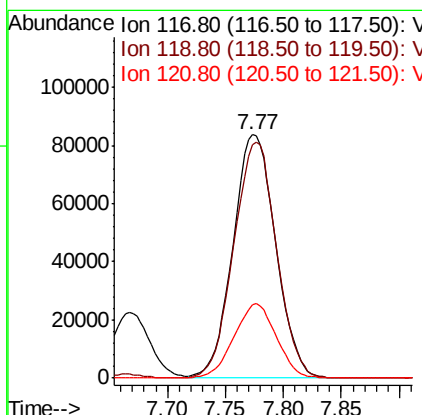
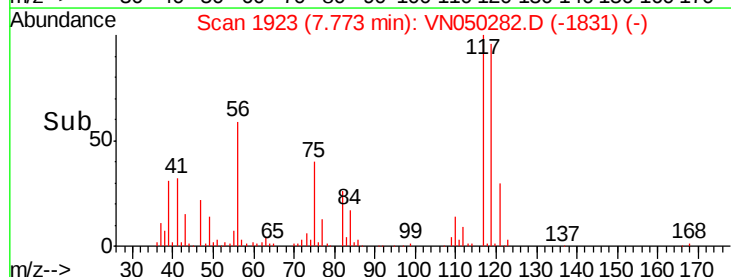
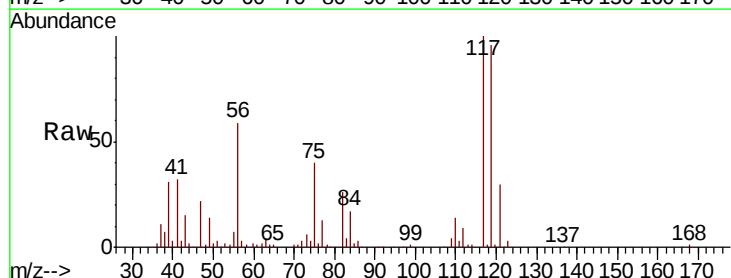
Manual Integrations
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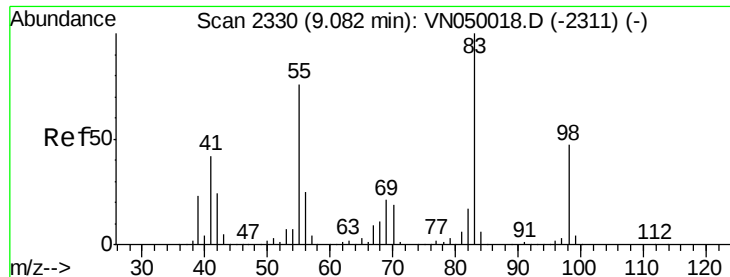
MMDadoda
8/3/2018 9:37:01 AM



#38
Carbon Tetrachloride
Concen: 20.047 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	117	Resp	214216
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	30.1	23.9	35.9





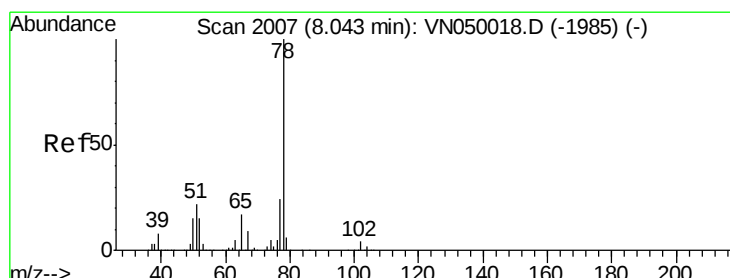
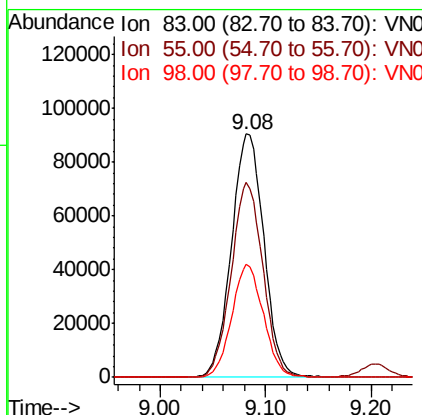
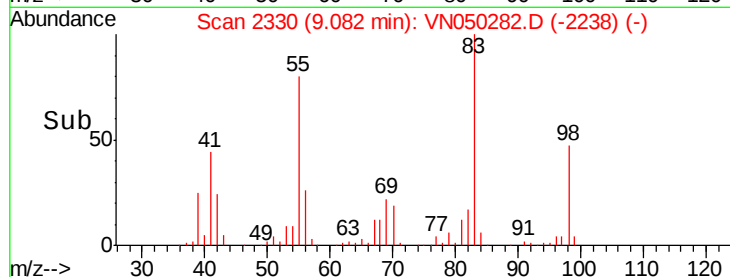
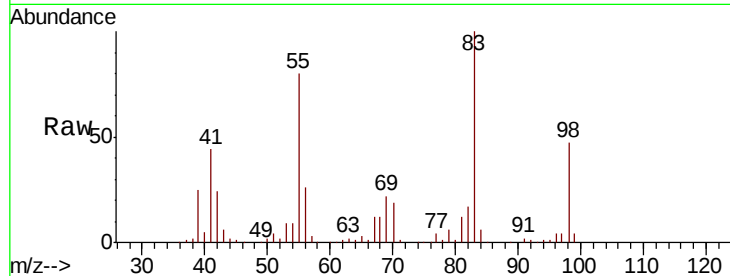
#39
Methvlcvclohexane
Concen: 18.658 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	83	Resp	193297
Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.8	92.8
98	46.5	36.5	54.7

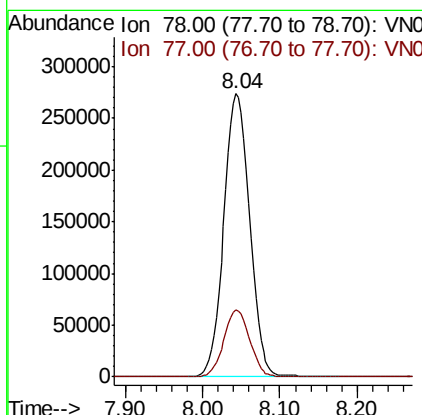
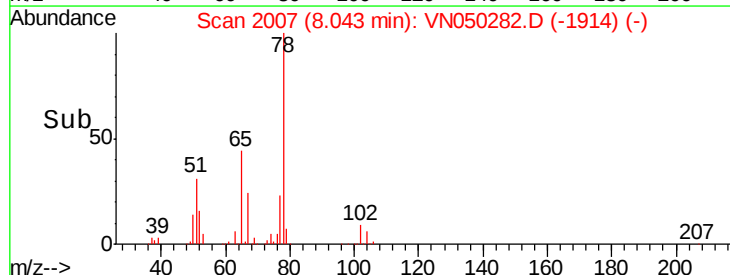
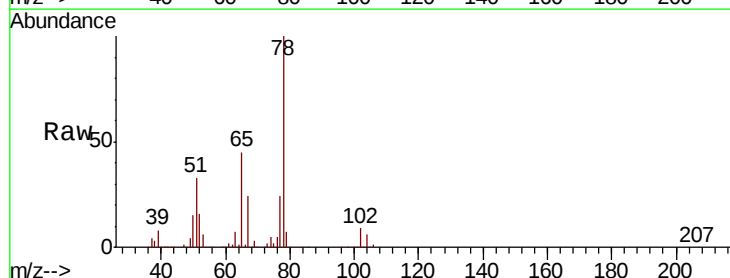
Manual Integrations
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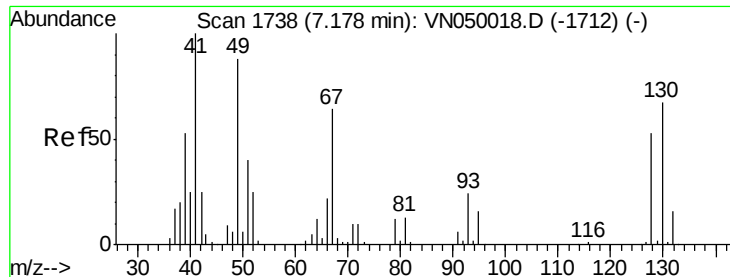
MMDadoda
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#40
Benzene
Concen: 20.741 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	78	Resp	635593
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





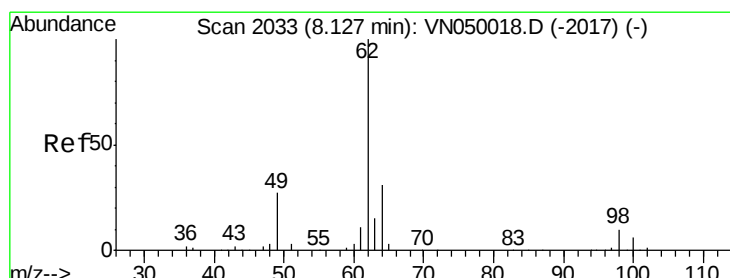
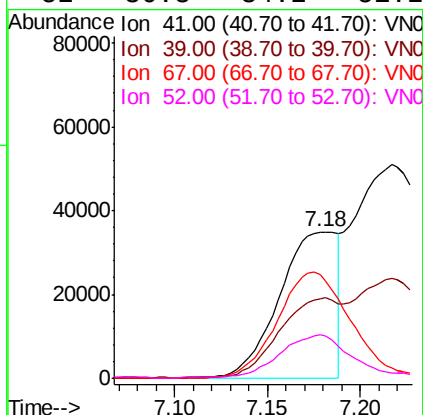
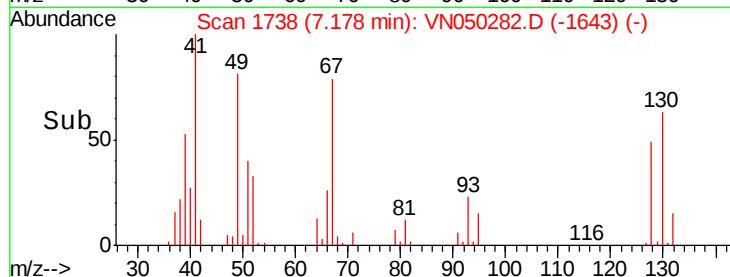
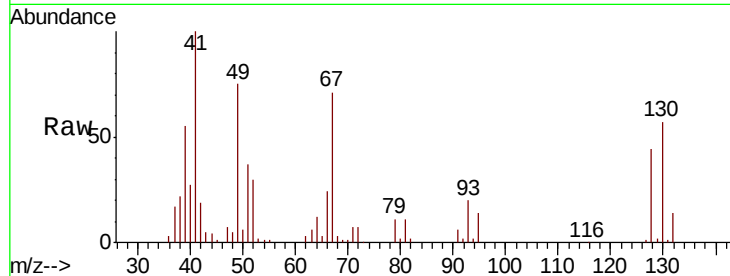
#41
Methacrylonitrile
Concen: 22.395 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.3	55.8	83.6
67	92.4	84.3	126.5
52	36.3	34.2	51.2

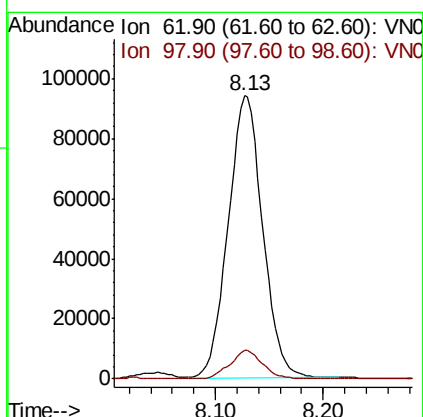
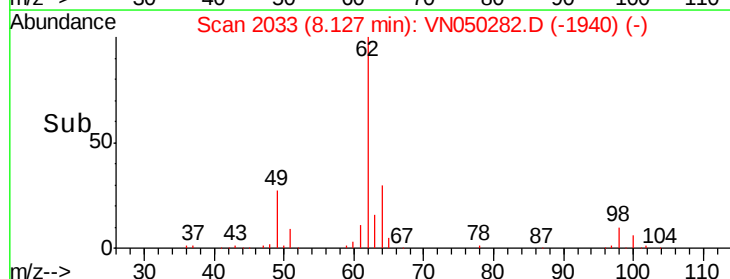
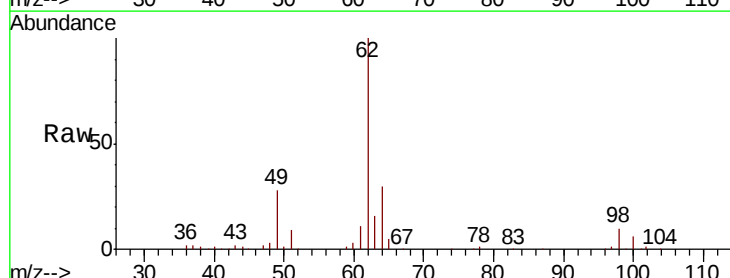
Manual Integrations
APPROVED

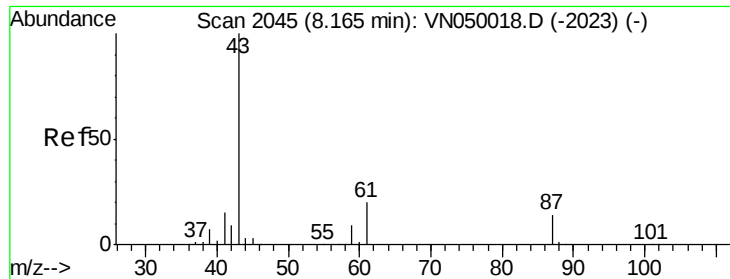
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 23.407 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 43 Resp: 317728

Ion Ratio Lower Upper

43 100

61 24.0 15.8 23.6#

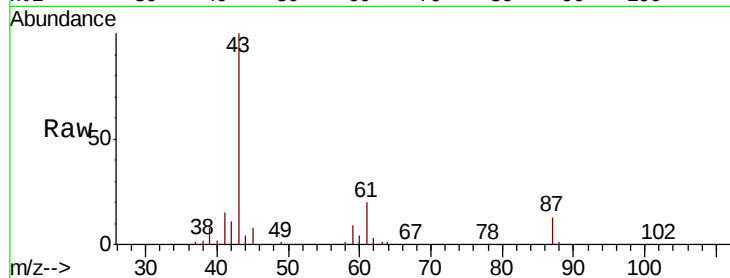
87 11.7 10.3 15.5

Manual Integrations

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MMDadoda

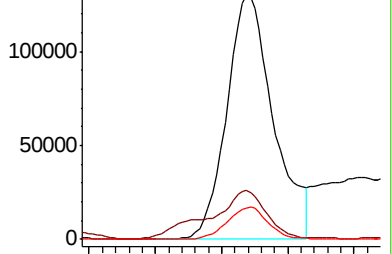
8/3/2018 9:37:01 AM



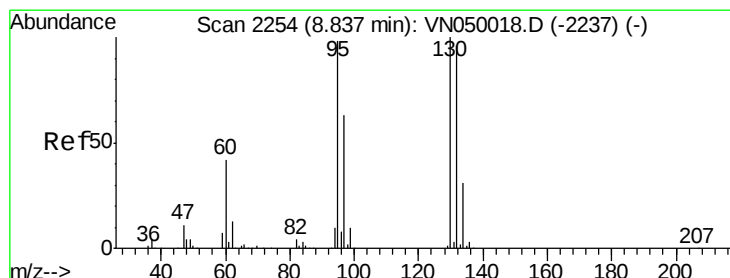
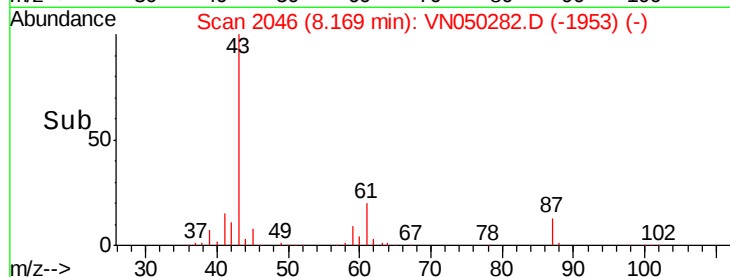
Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



Time-->



#44

Trichloroethene

Concen: 19.873 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050282.D

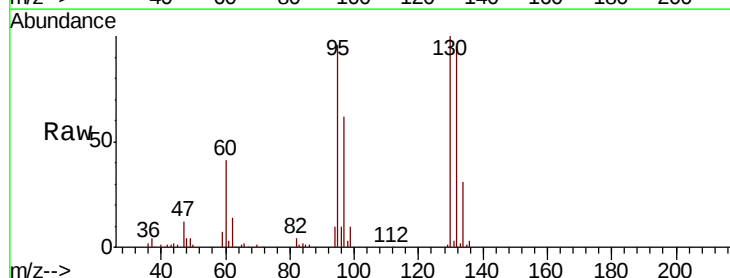
Acq: 2 Aug 2018 23:39

Tgt Ion:130 Resp: 163646

Ion Ratio Lower Upper

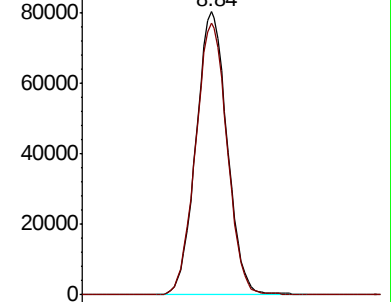
130 100

95 95.9 0.0 194.6

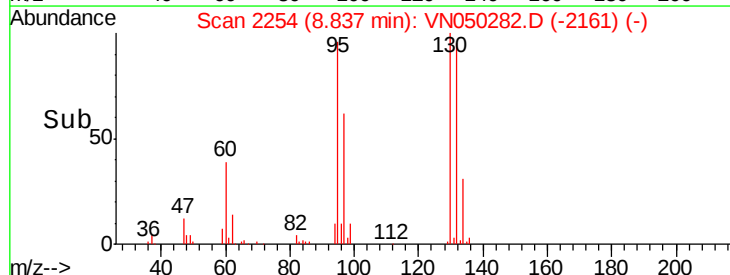


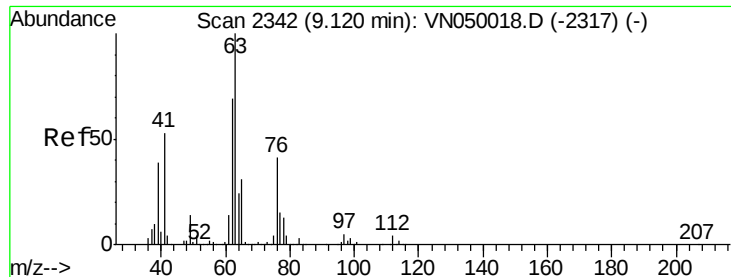
Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 20.960 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 63 Resp: 170129

Ion Ratio Lower Upper

63 100

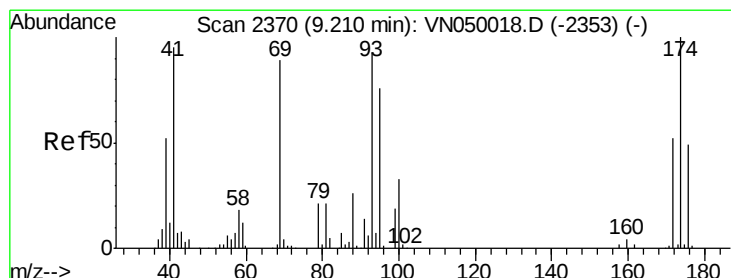
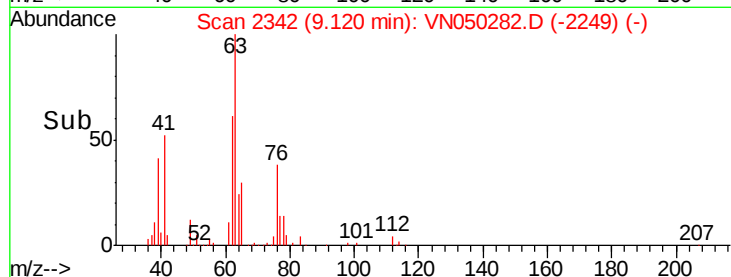
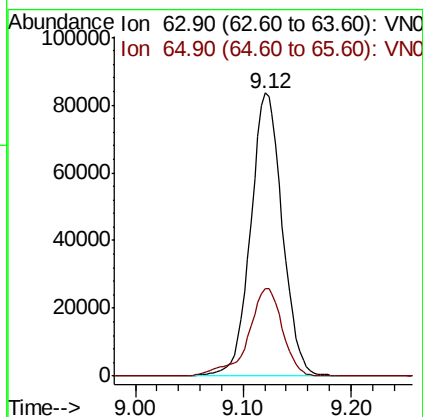
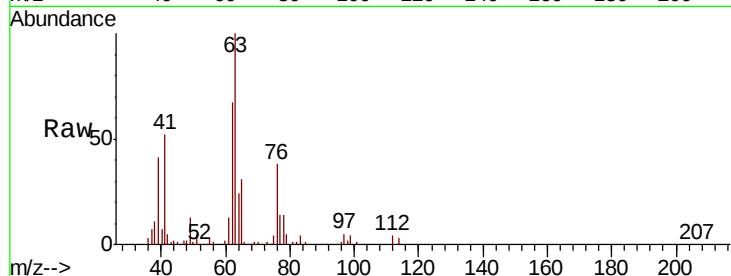
65 30.7 25.5 38.3

Manual Integrations

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MMDadoda

8/3/2018 9:37:01 AM



#46

Dibromomethane

Concen: 21.215 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

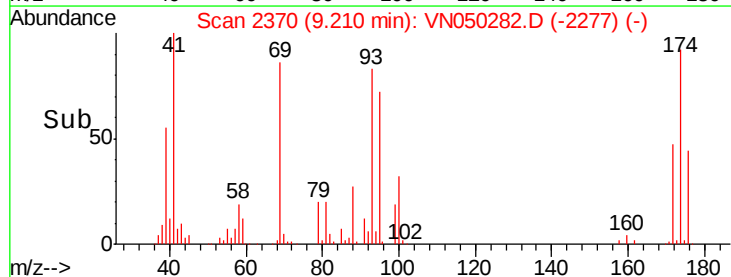
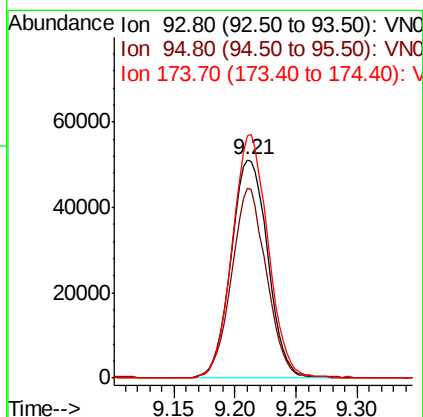
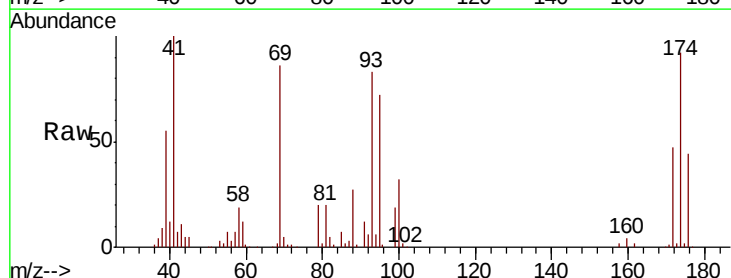
Tgt Ion: 93 Resp: 106922

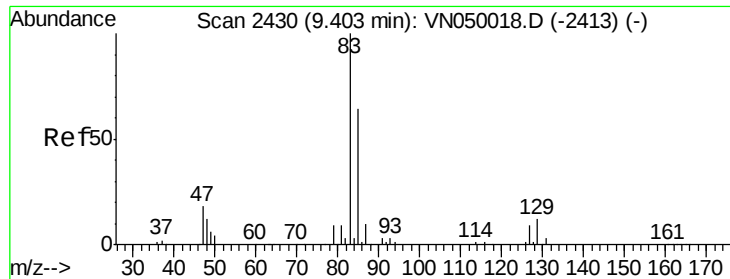
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 108.8 87.1 130.7





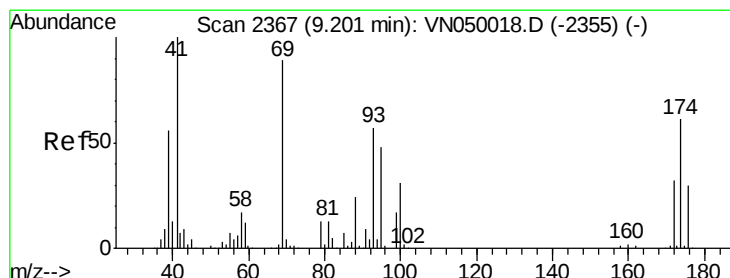
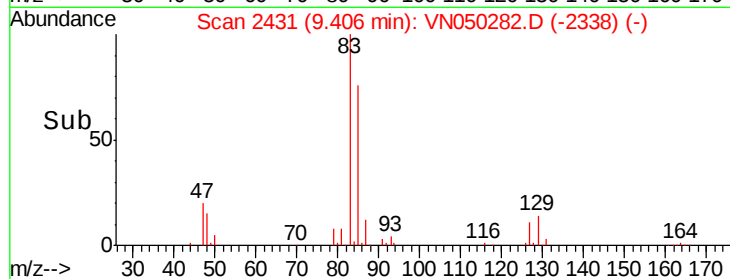
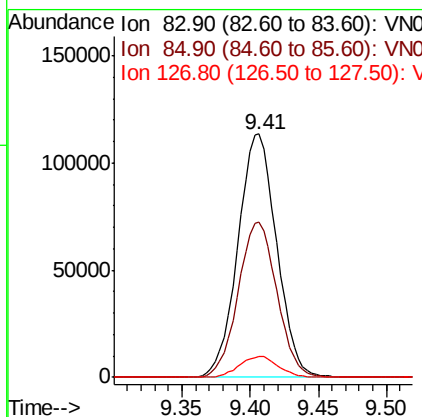
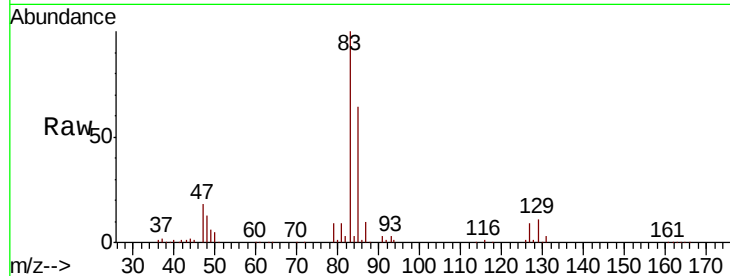
#47
Bromodichloromethane
Concen: 21.032 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.8	7.0	10.4

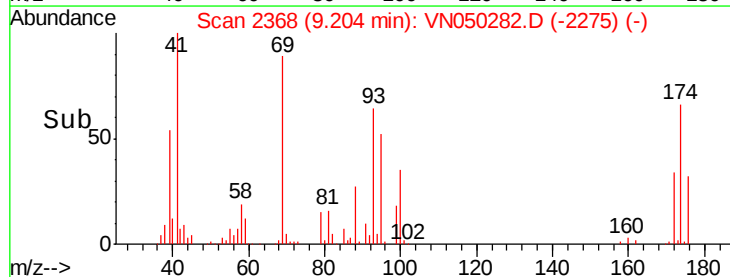
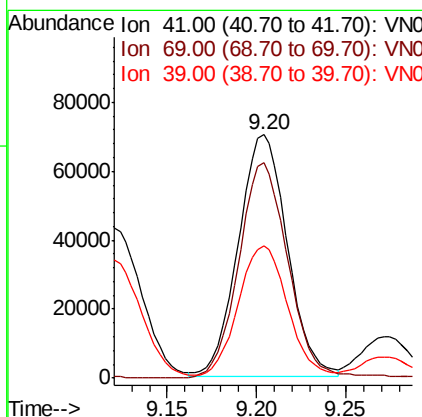
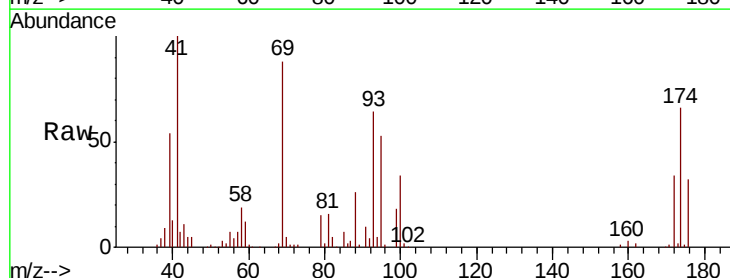
Manual Integrations
APPROVED

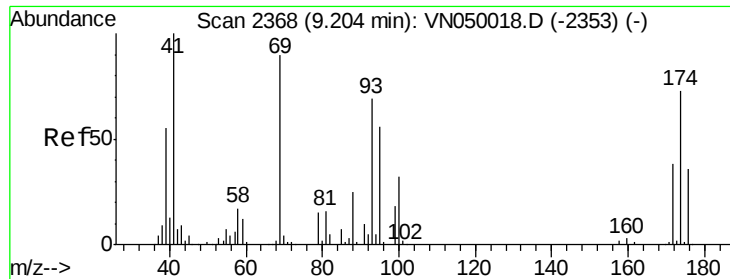
MMDadoda
8/3/2018 9:37:01 AM



#48
Methyl methacrylate
Concen: 22.324 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.1	70.6	105.8
39	55.1	43.9	65.9





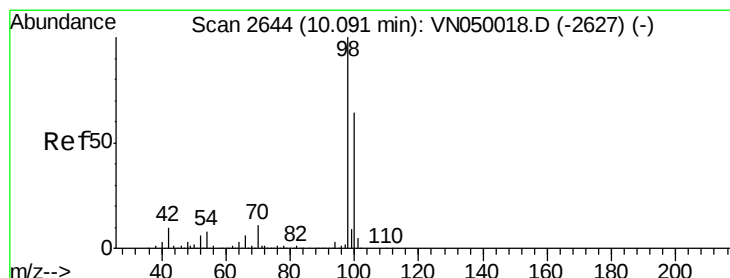
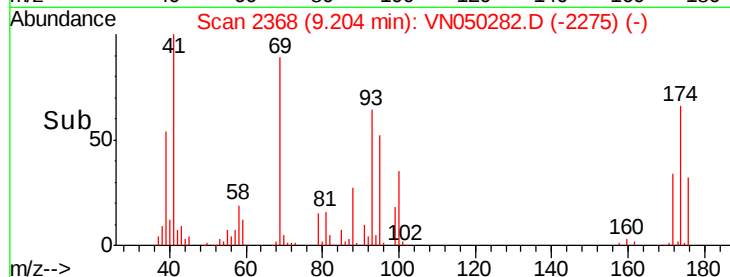
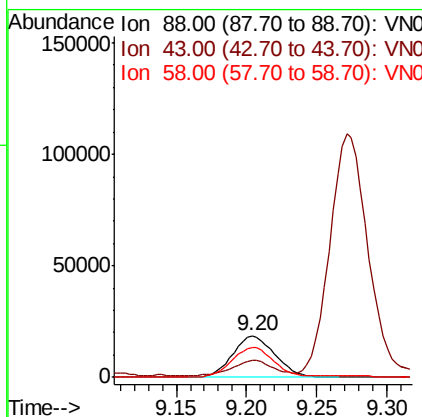
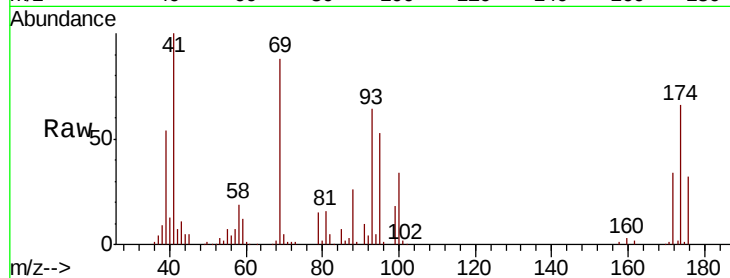
#49
1,4-Dioxane
Concen: 478.198 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.9	40.3
58	71.6	57.3	85.9

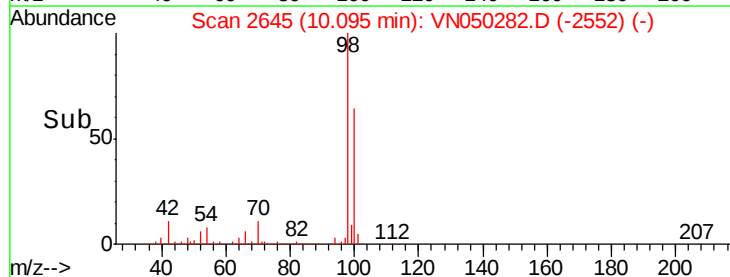
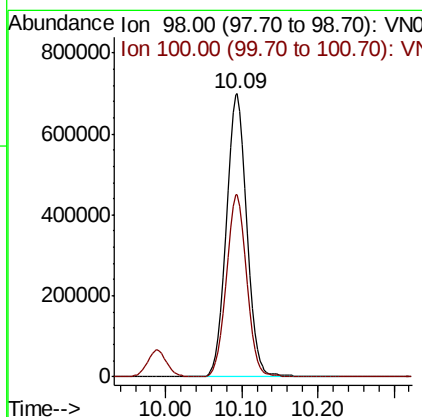
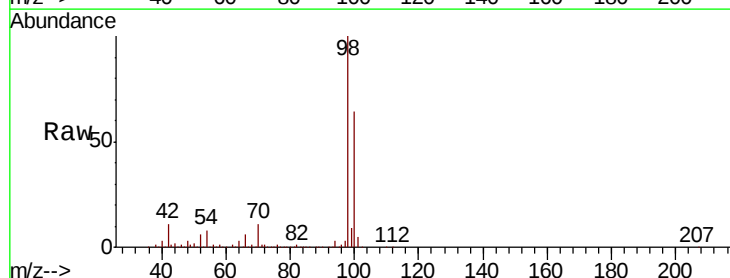
Manual Integrations
APPROVED

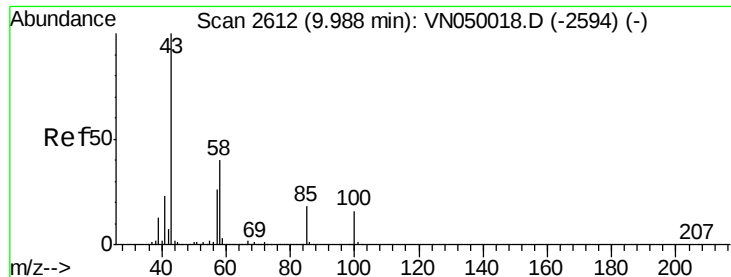
MMDadoda
8/3/2018 9:37:01 AM



#50
Toluene-d8
Concen: 49.194 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





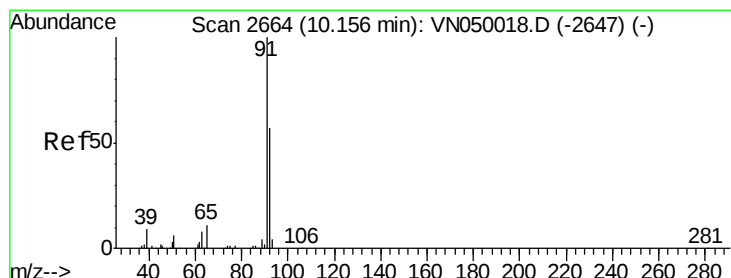
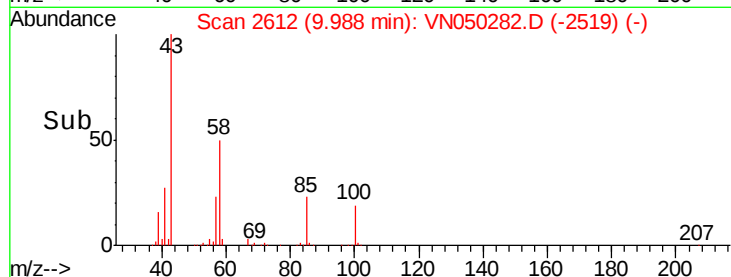
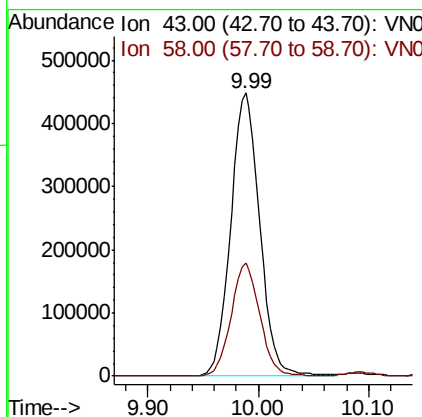
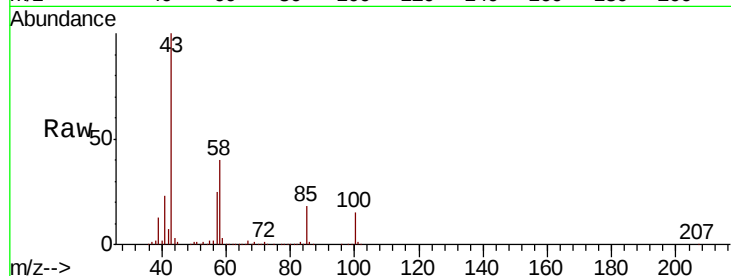
#51
4-Methyl-2-Pentanone
Concen: 117.949 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleID :
VN0802WBSD02

Tot Ion	43	Resp	814118
Ion Ratio	100	Lower	Upper
43	100		
58	39.6	31.9	47.9

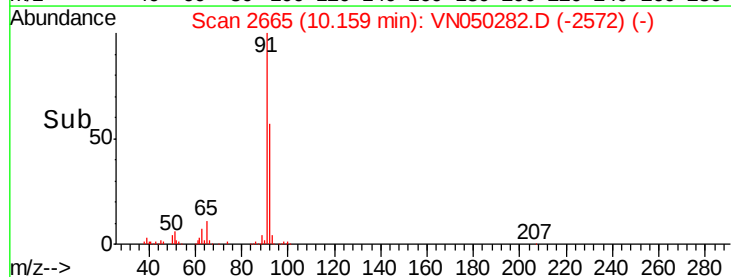
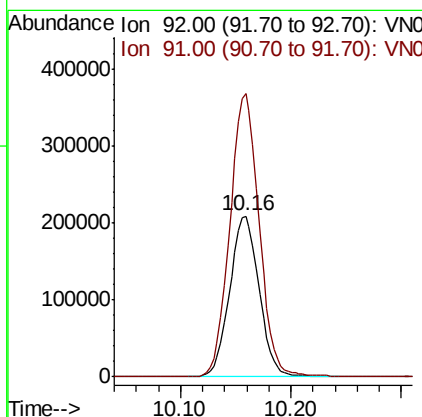
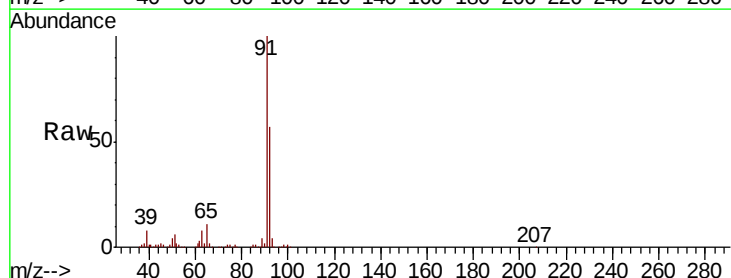
Manual Integrations
APPROVED

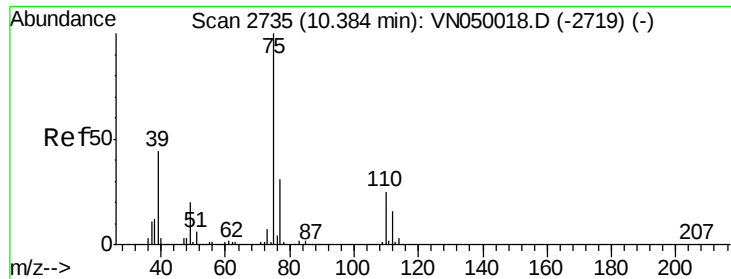
MMDadoda
8/3/2018 9:37:01 AM



#52
Toluene
Concen: 21.381 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	92	Resp	386770
Ion Ratio	100	Lower	Upper
92	100		
91	175.2	140.3	210.5





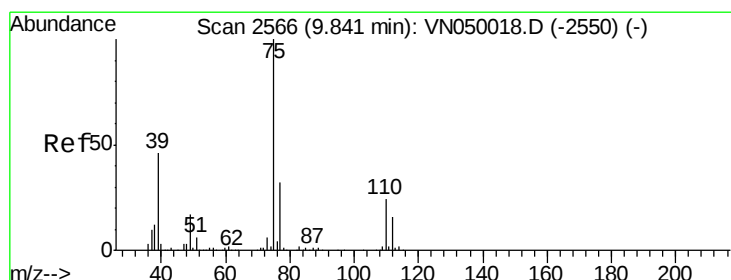
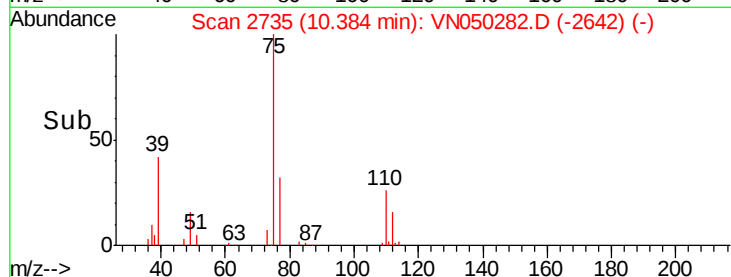
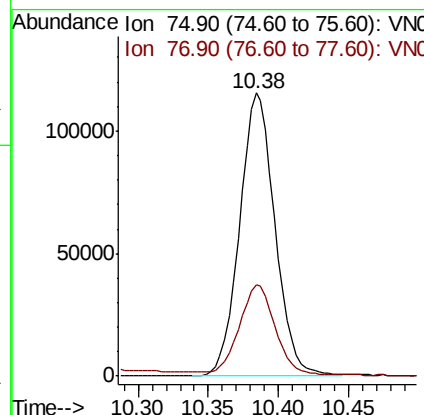
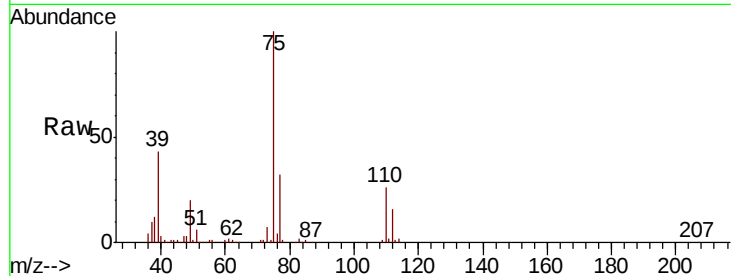
#53
t-1,3-Dichloropropene
Concen: 20.171 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

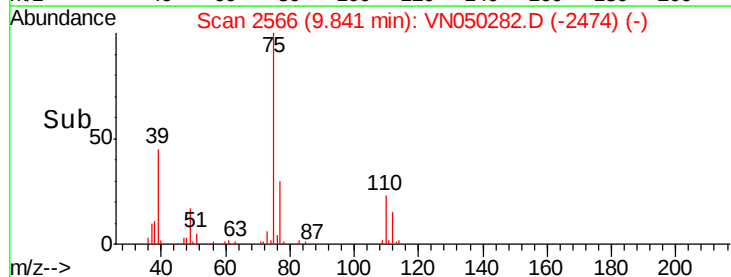
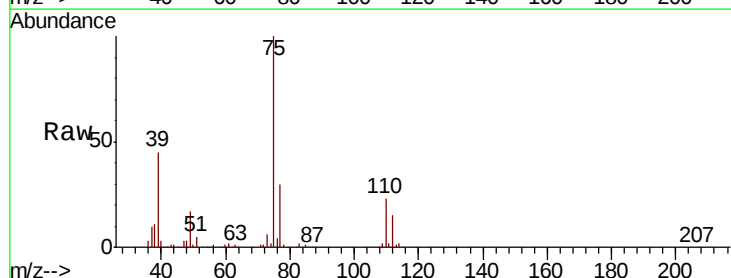
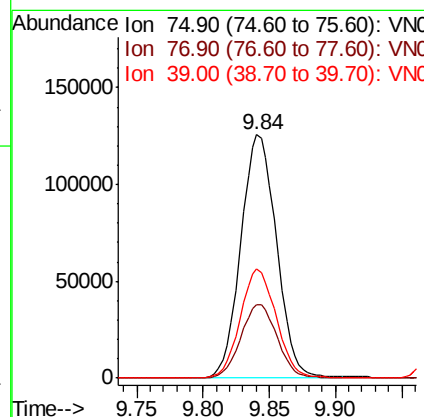
Manual Integrations
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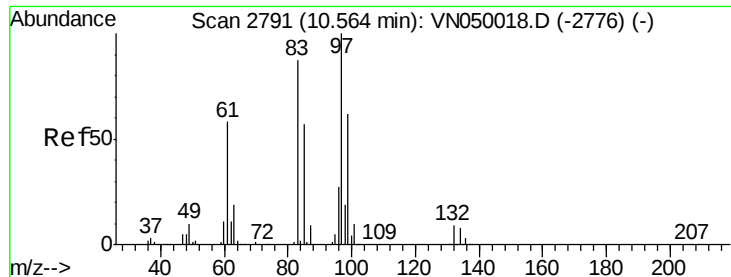
MMDadoda
8/3/2018 9:37:01 AM



#54
cis-1,3-Dichloropropene
Concen: 20.560 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.5	38.3
39	44.9	36.6	55.0





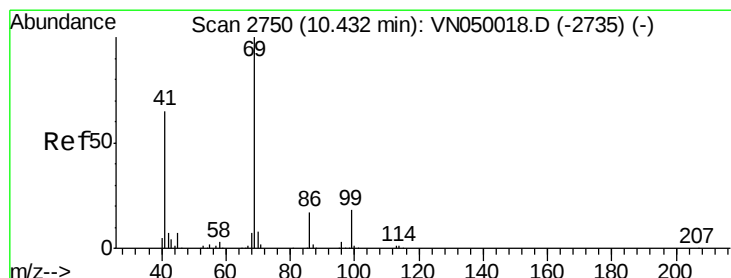
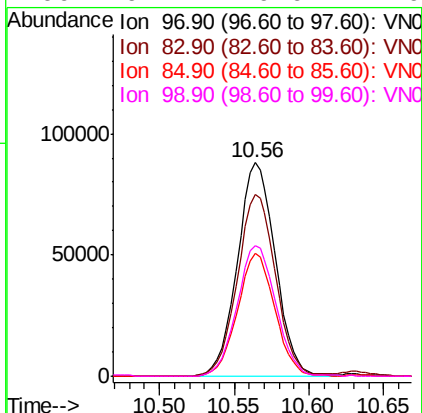
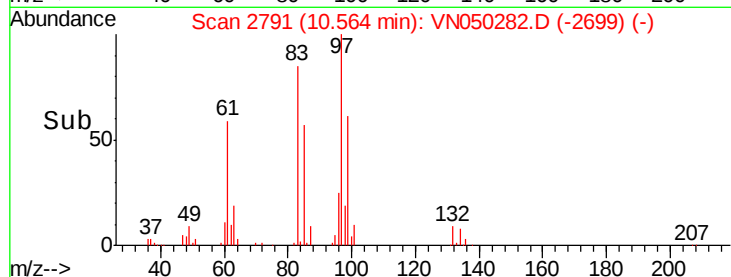
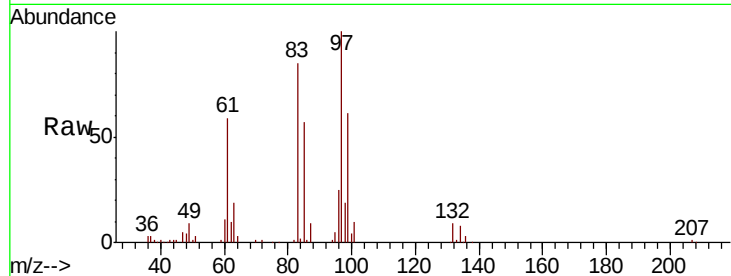
#55
 1,1,2-Trichloroethane
 Concen: 21.668 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion:	97	Resp:	155471
Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	57.3	44.0	66.0
99	61.4	49.9	74.9

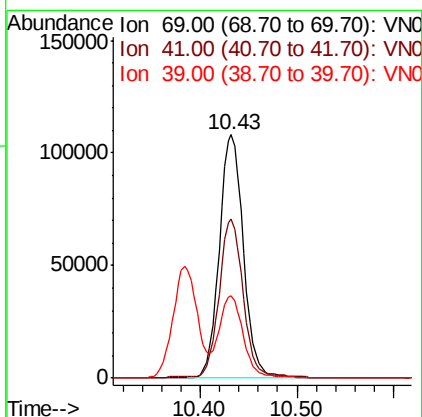
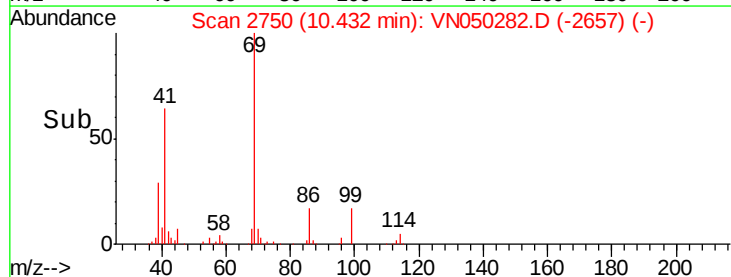
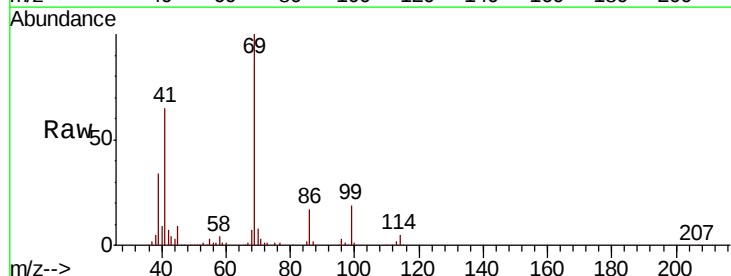
Manual Integrations
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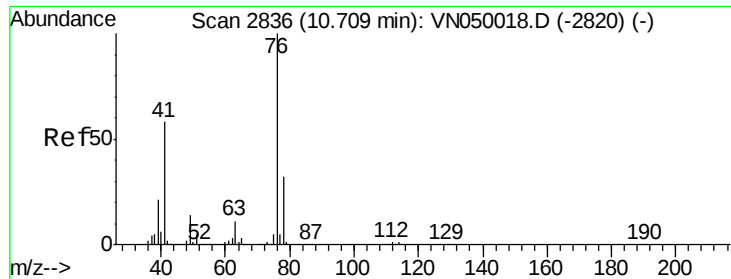
MMDadoda
 8/3/2018 9:37:01 AM



#56
 Ethyl methacrylate
 Concen: 20.499 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion:	69	Resp:	187105
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.4
39	33.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.385 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 76 Resp: 249855

Ion Ratio Lower Upper

76 100

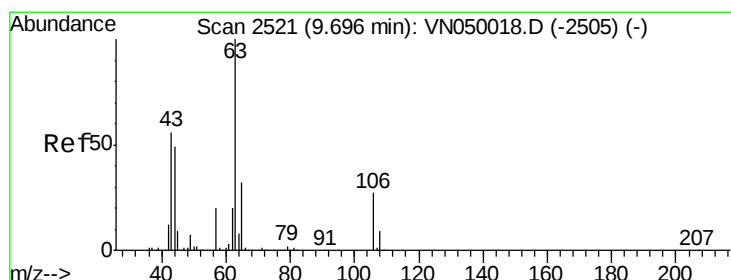
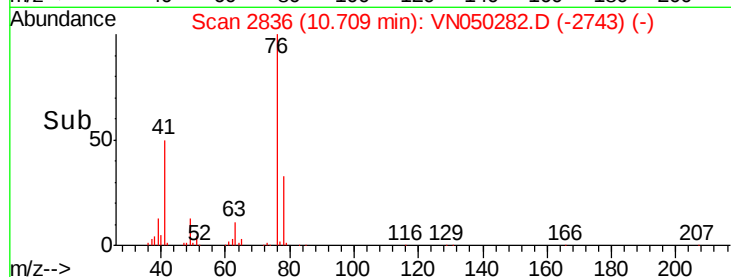
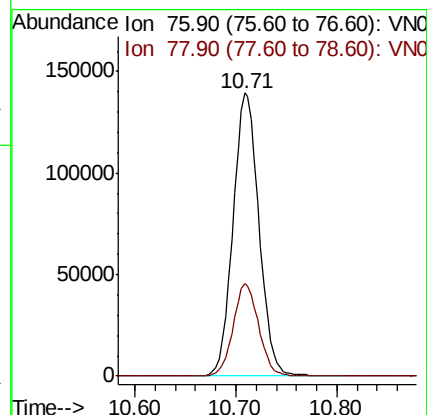
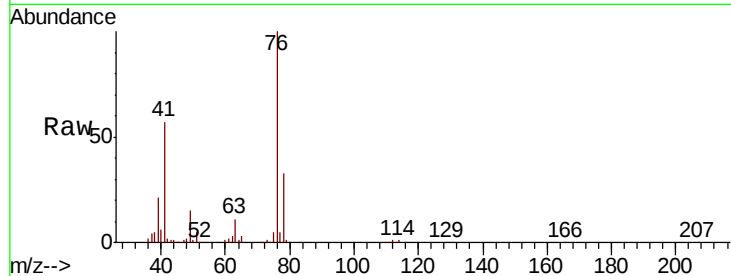
78 32.3 25.7 38.5

Manual Integrations

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MMDadoda

8/3/2018 9:37:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 86.391 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050282.D

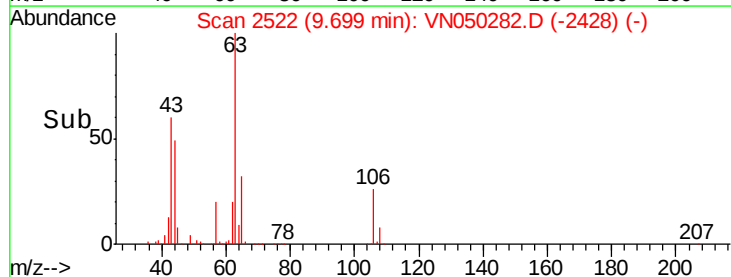
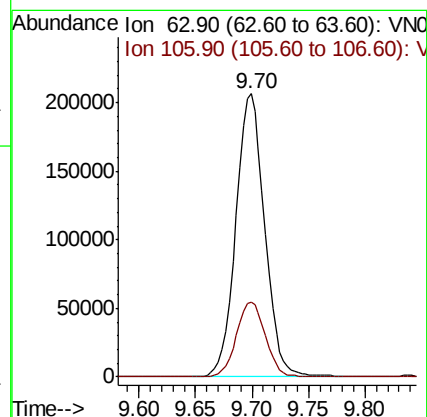
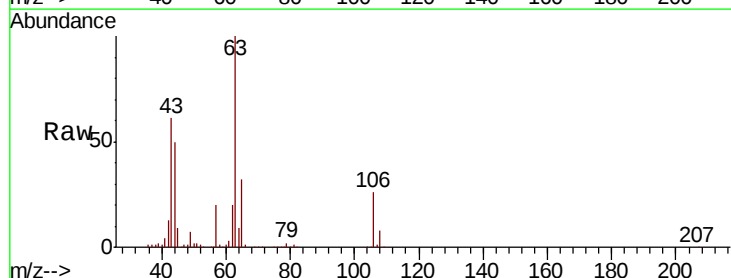
Acq: 2 Aug 2018 23:39

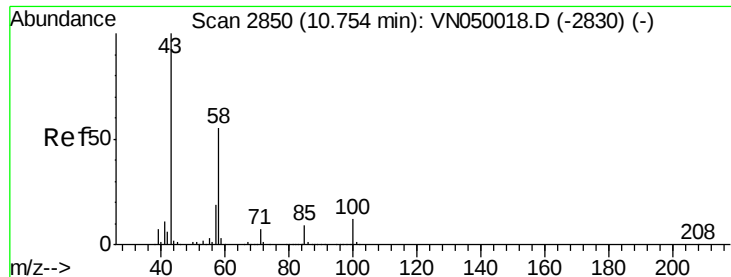
Tgt Ion: 63 Resp: 366059

Ion Ratio Lower Upper

63 100

106 26.6 21.7 32.5





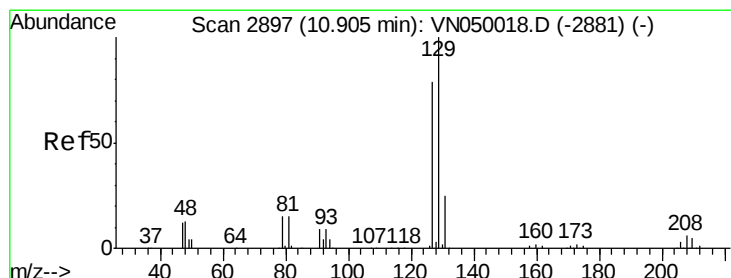
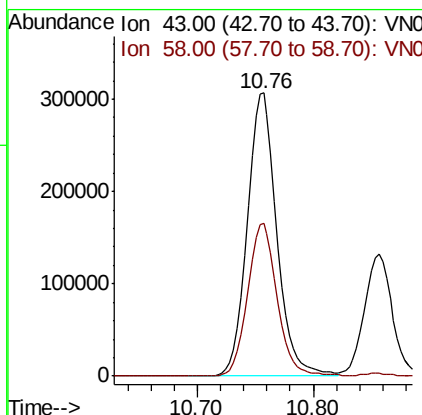
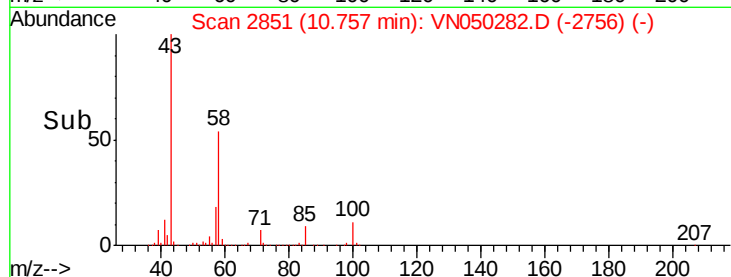
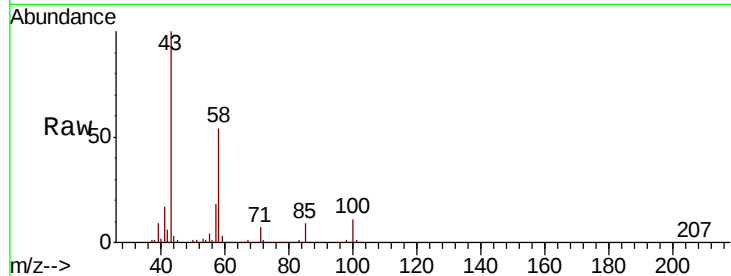
#59
2-Hexanone
Concen: 110.125 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampled :
VN0802WBSD02

Tot Ion: 43 Resp: 543548
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7

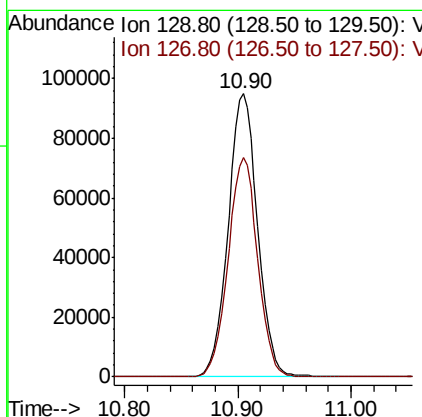
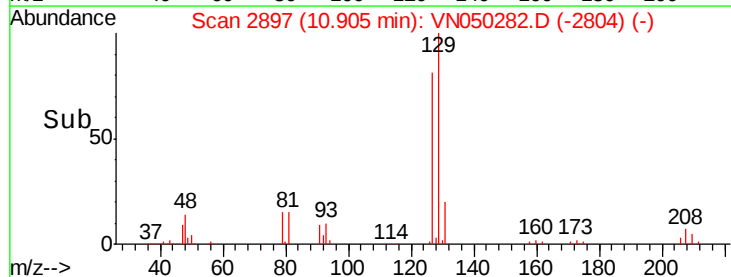
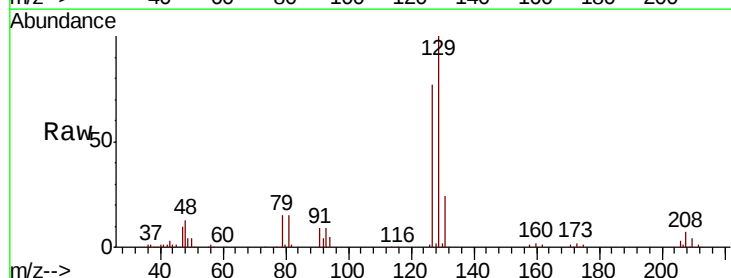
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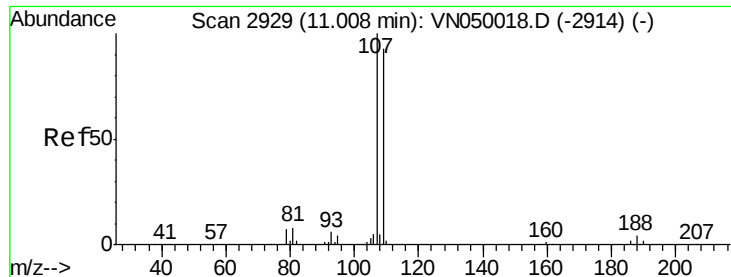
MMDadoda
8/3/2018 9:37:01 AM



#60
Dibromochloromethane
Concen: 21.545 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion: 129 Resp: 171148
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.006 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 107 Resp: 149542

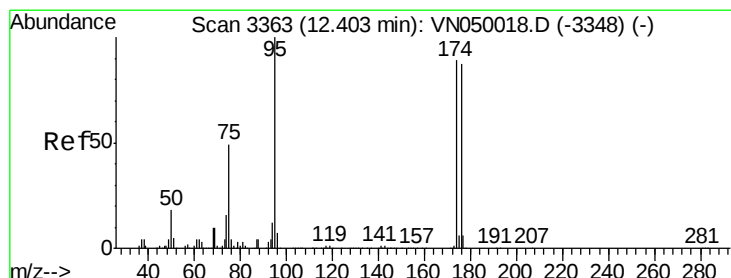
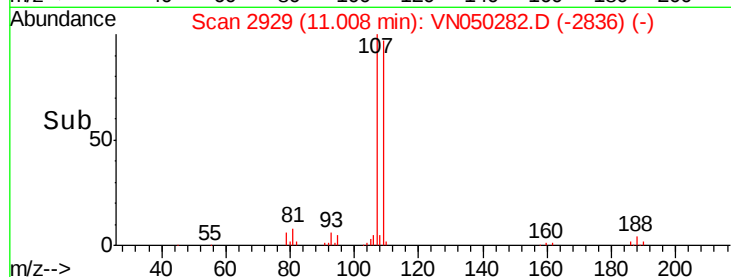
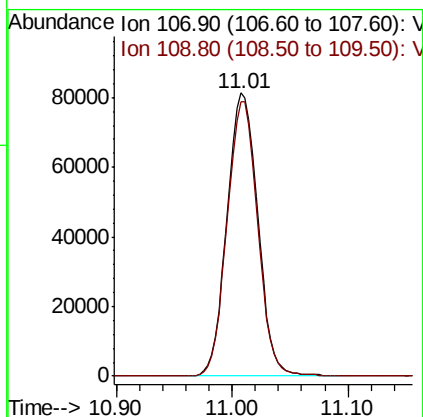
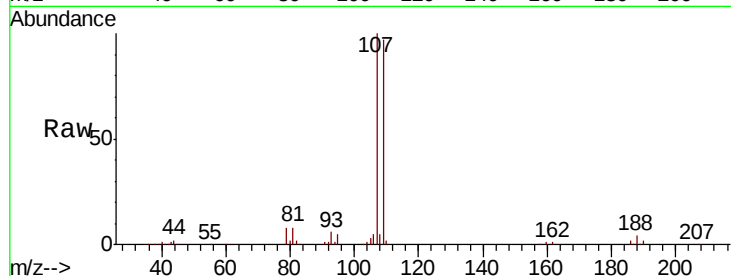
Ion Ratio Lower Upper

107 100

109 96.0 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:37:01 AM



#62

4-Bromofluorobenzene

Concen: 48.860 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

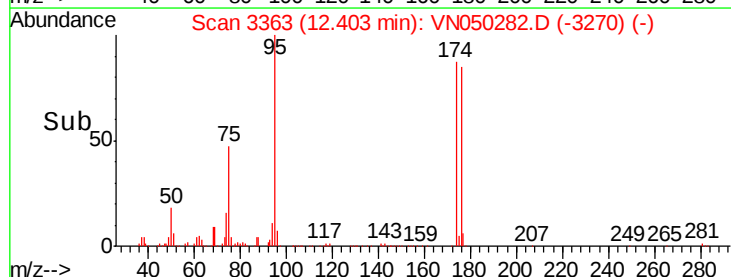
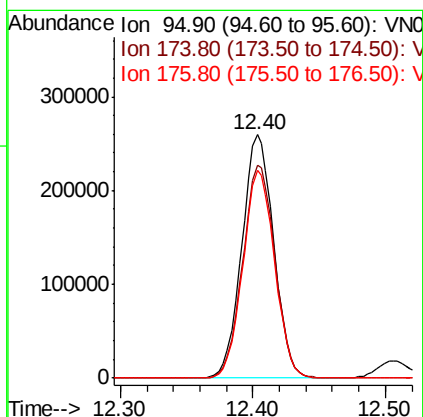
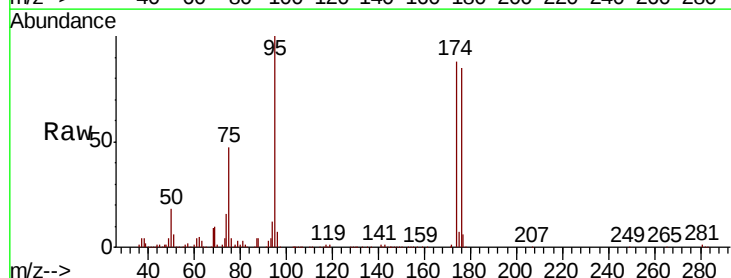
Tgt Ion: 95 Resp: 431670

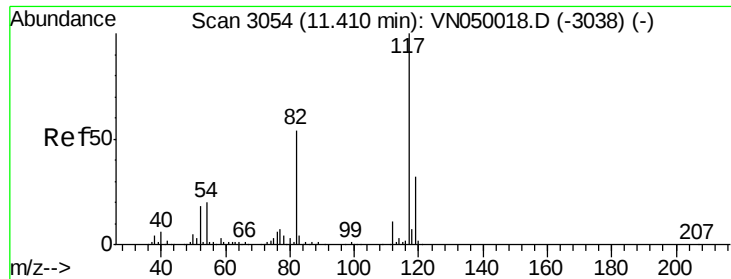
Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

176 85.4 0.0 173.4





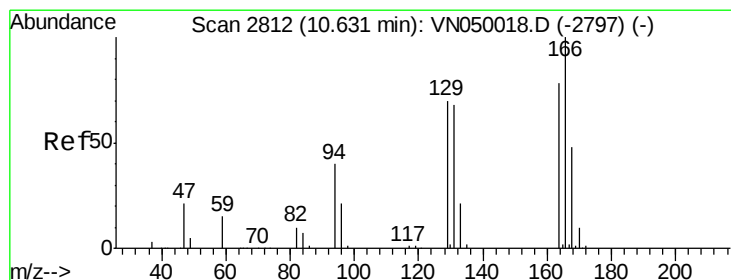
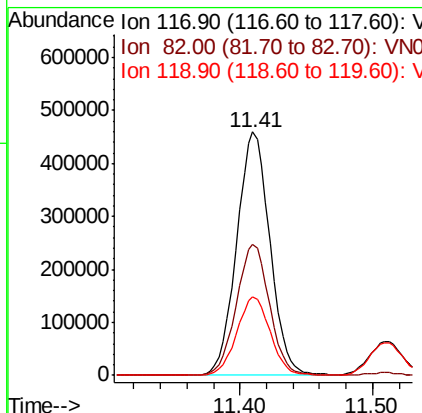
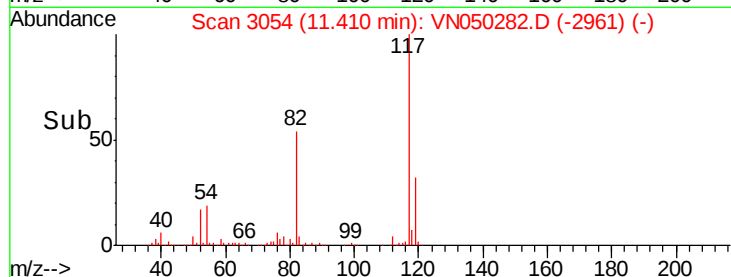
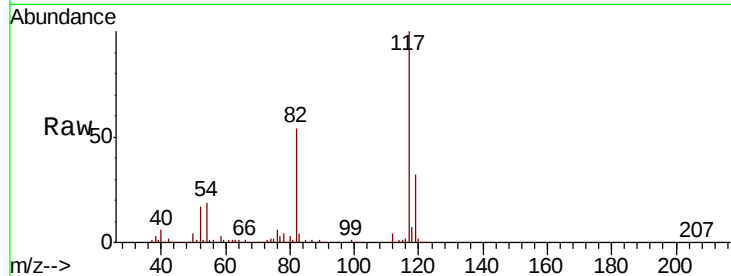
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.7	65.5
119	32.1	26.1	39.1

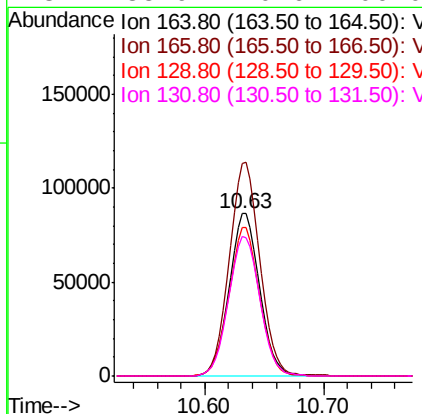
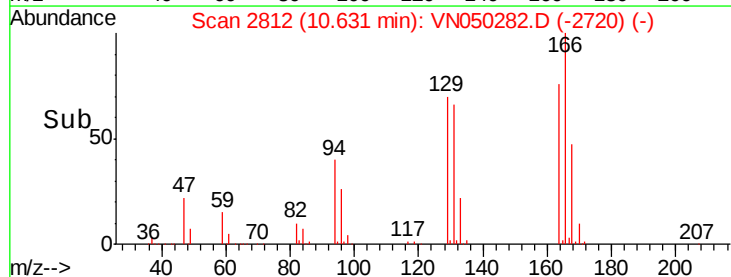
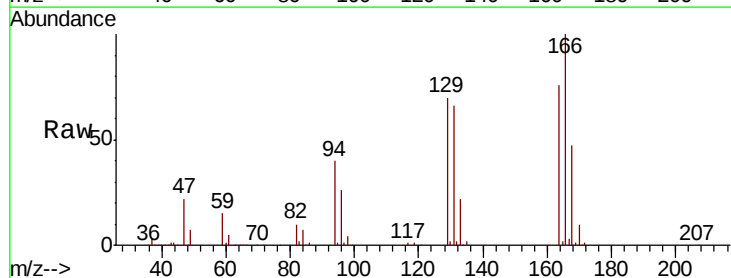
Manual Integrations
APPROVED

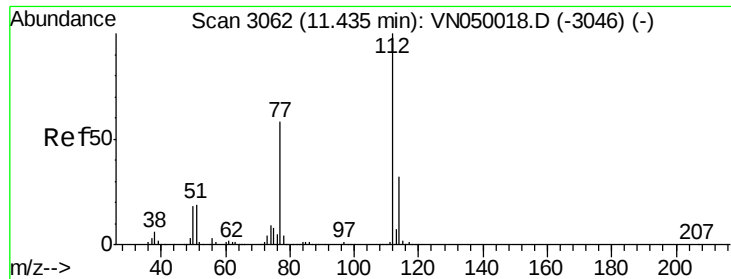
MMDadoda
8/3/2018 9:37:01 AM



#64
Tetrachloroethene
Concen: 20.001 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.1	153.1
129	91.8	73.2	109.8
131	85.9	70.6	106.0





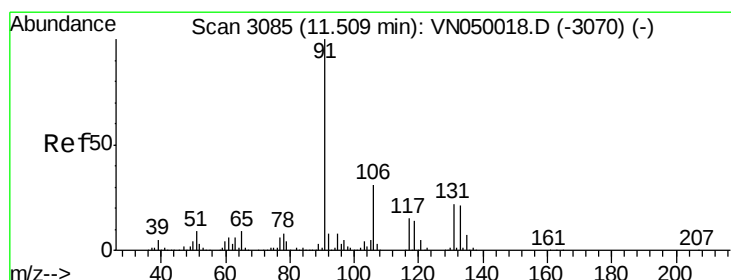
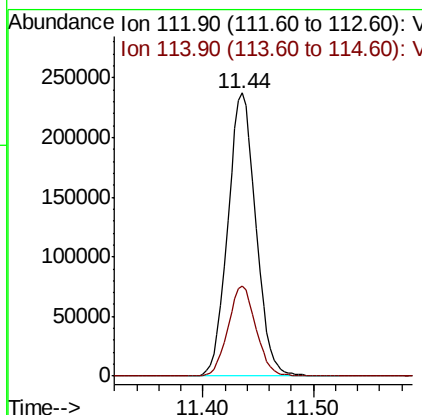
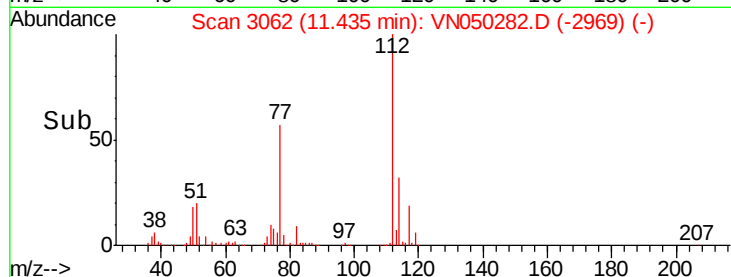
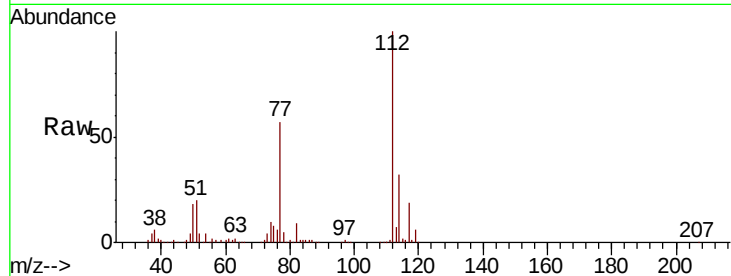
#65
Chlorobenzene
Concen: 20.678 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion:112 Resp: 417328
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

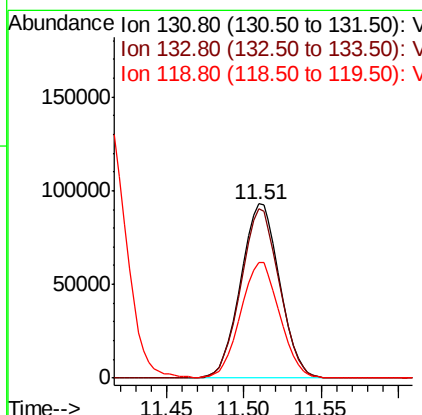
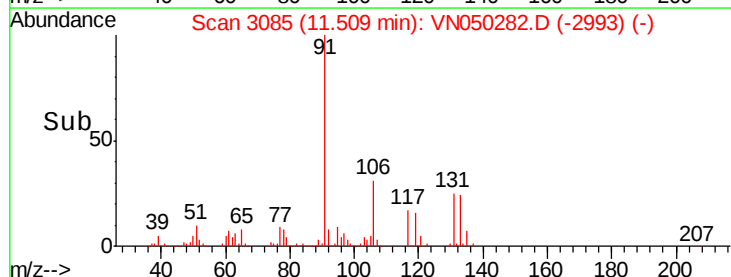
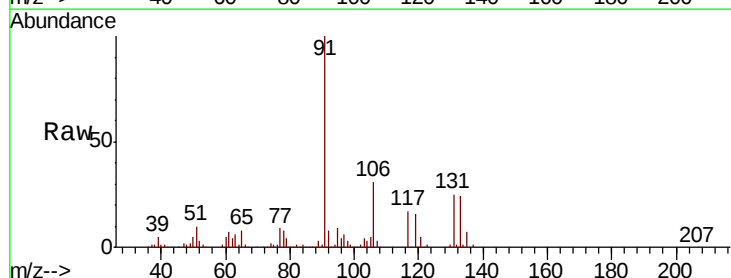
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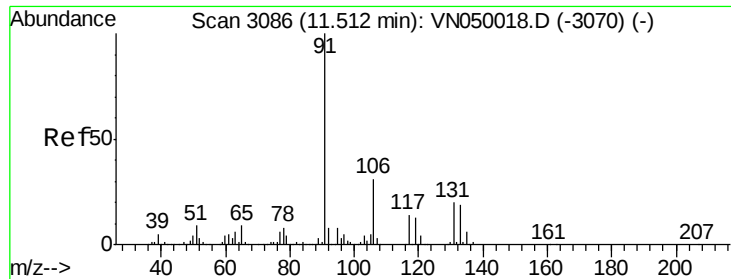
MMDadoda
8/3/2018 9:37:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.078 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion:131 Resp: 163450
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 66.5 32.9 98.7





#67

Ethyl Benzene

Concen: 20.933 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 91 Resp: 678632

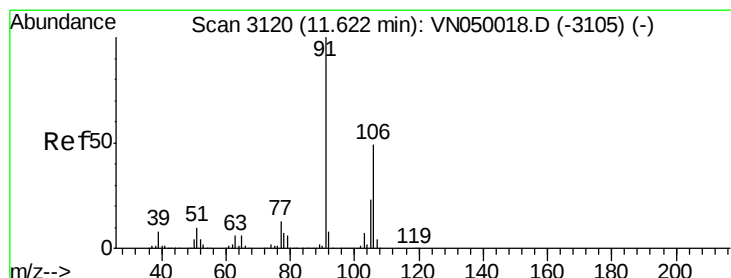
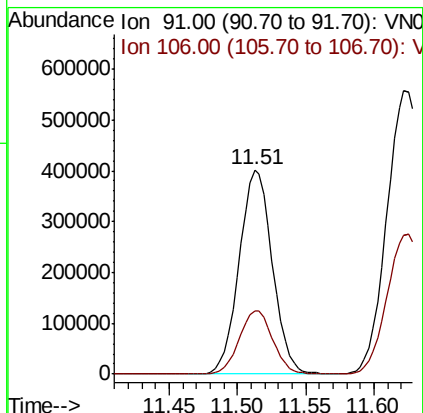
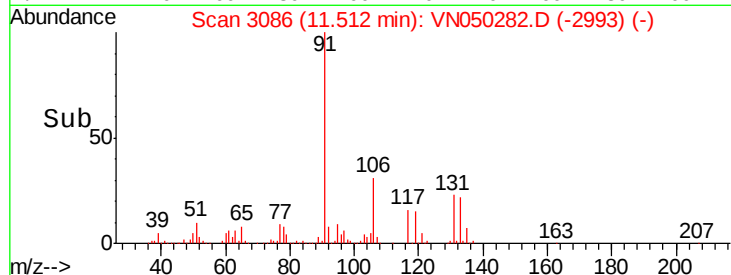
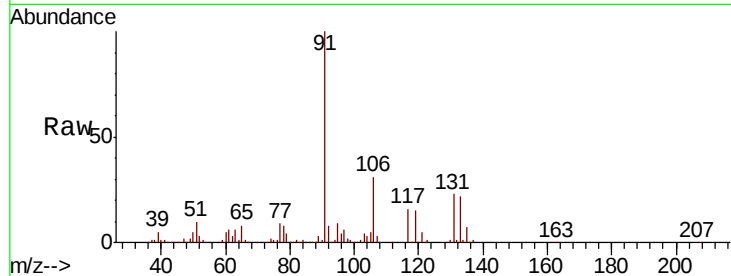
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:37:01 AM



#68

m/p-Xylenes

Concen: 43.171 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050282.D

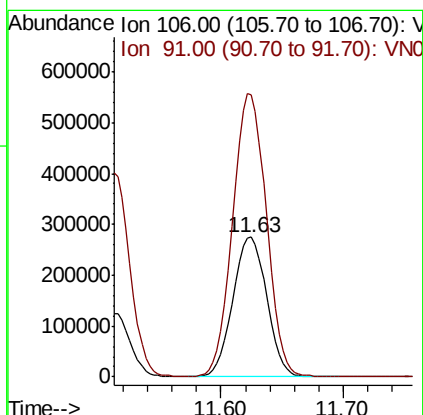
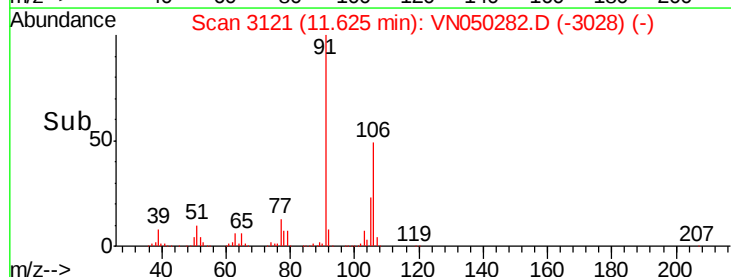
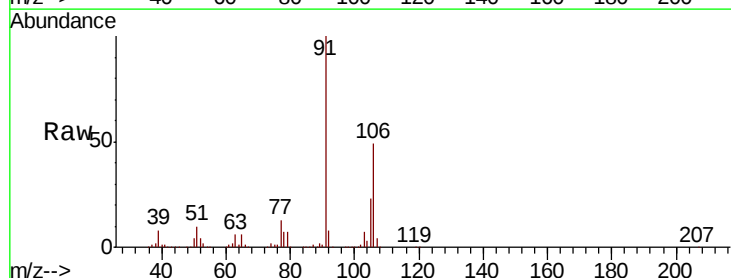
Acq: 2 Aug 2018 23:39

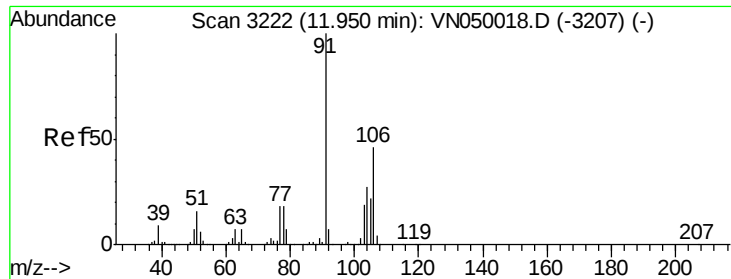
Tgt Ion: 106 Resp: 529391

Ion Ratio Lower Upper

106 100

91 201.4 162.2 243.2





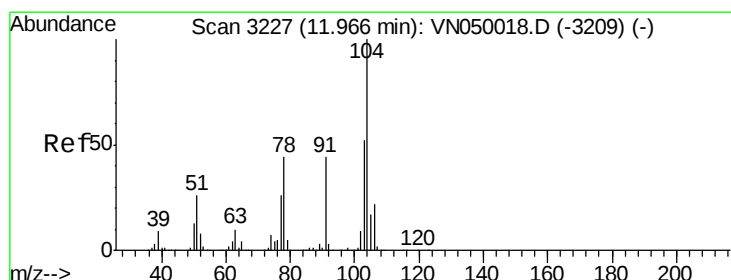
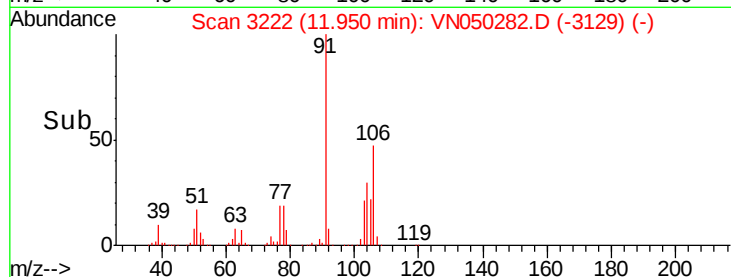
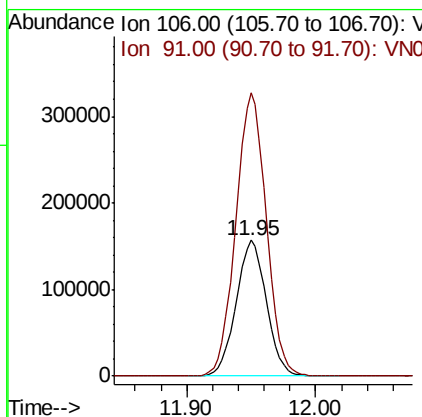
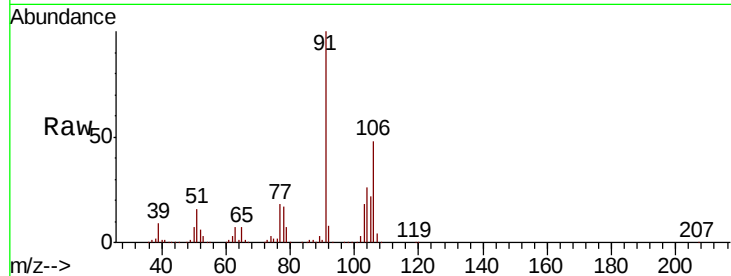
#69
o-Xylene
Concen: 21.837 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	107.7	323.1

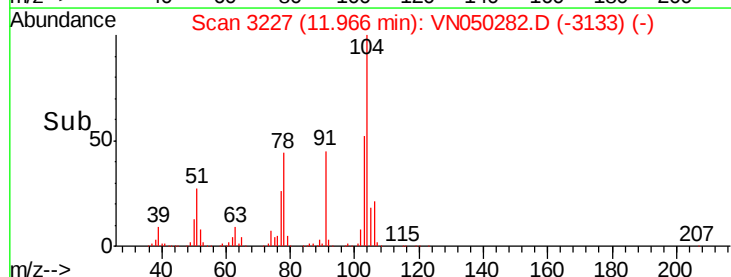
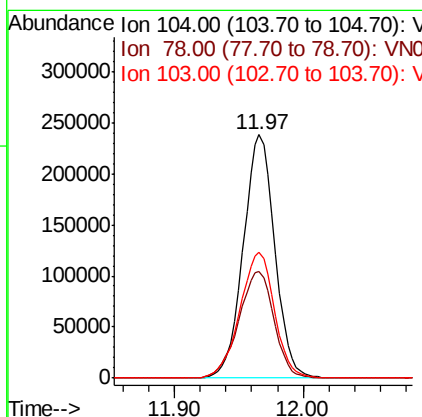
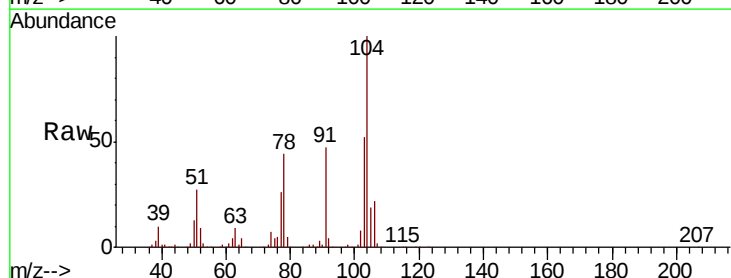
Manual Integrations
APPROVED

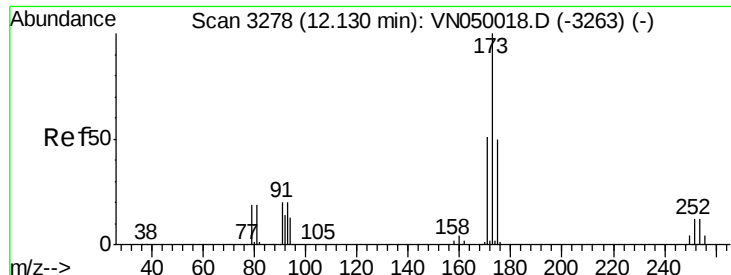
MMDadoda
8/3/2018 9:37:01 AM



#70
Styrene
Concen: 20.066 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.3	58.9
103	56.7	45.0	67.6





#71

Bromoform

Concen: 21.471 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

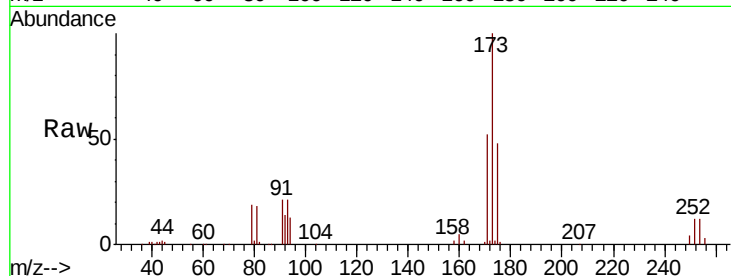
ClientSampleId :

VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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8/3/2018 9:37:01 AM

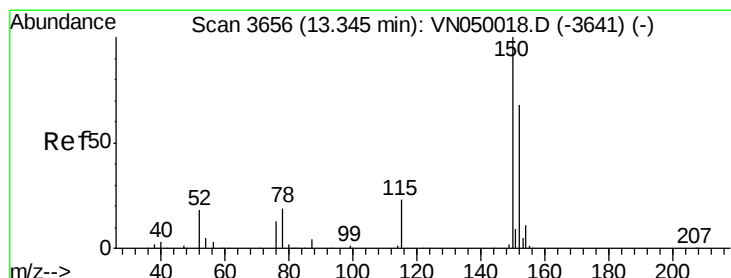
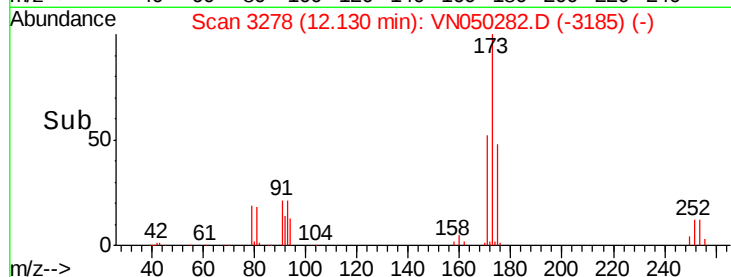
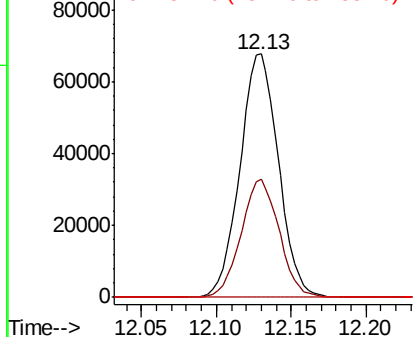


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

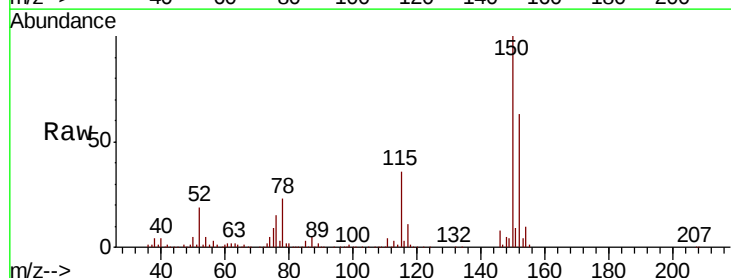
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	165.4	0.0	348.6

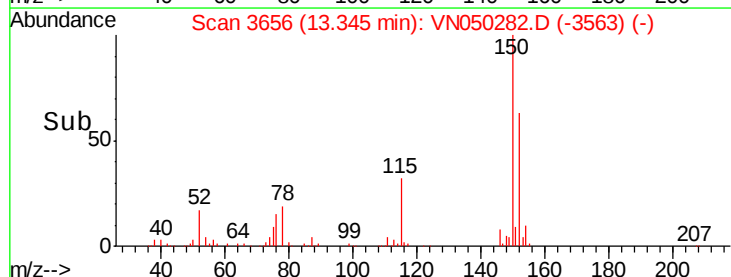
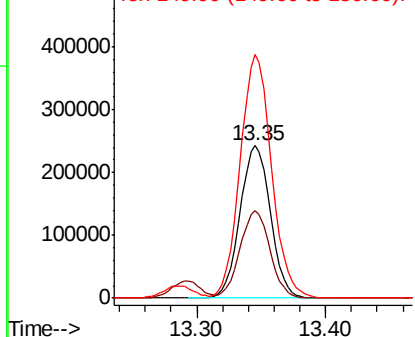


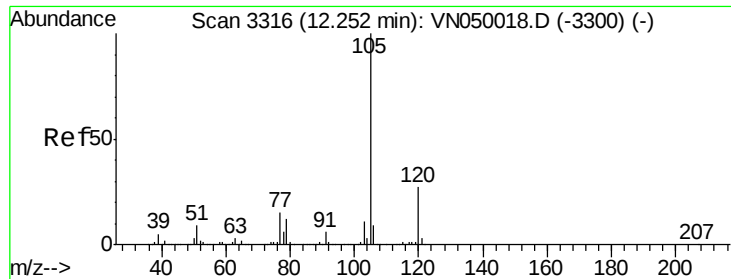
Abundance

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





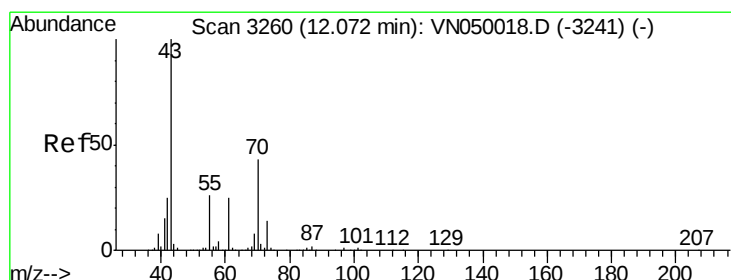
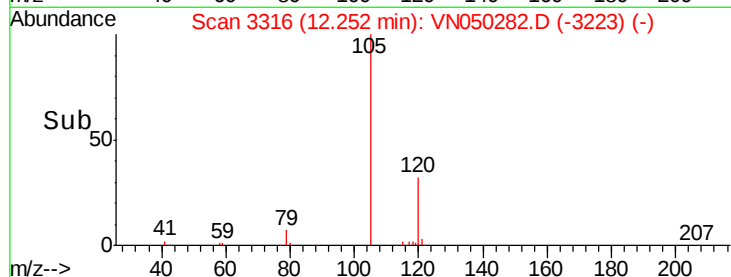
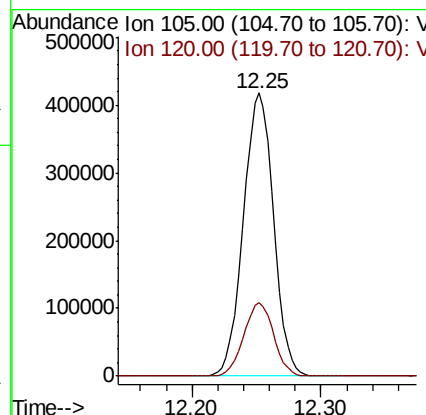
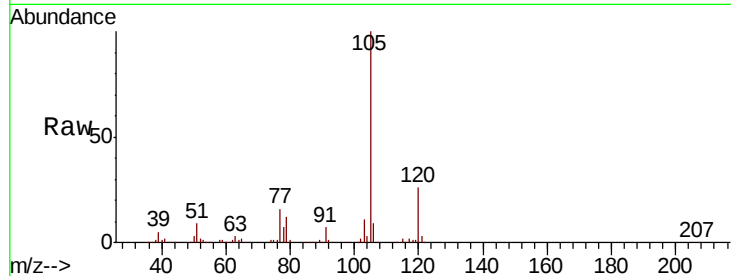
#73
Isopropylbenzene
Concen: 22.089 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.8

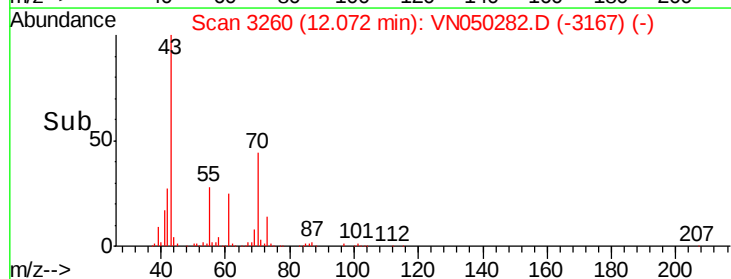
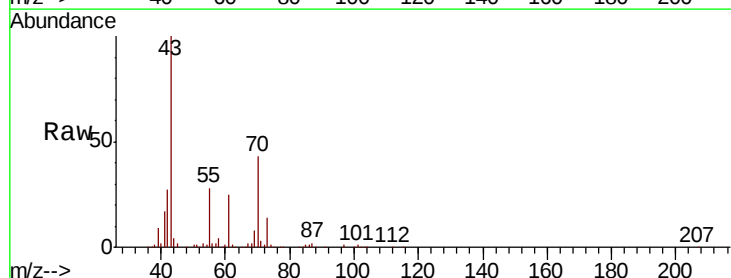
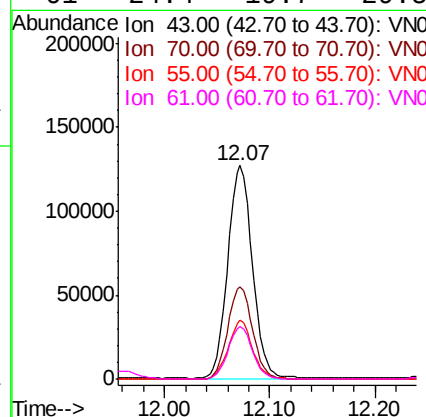
Manual Integrations
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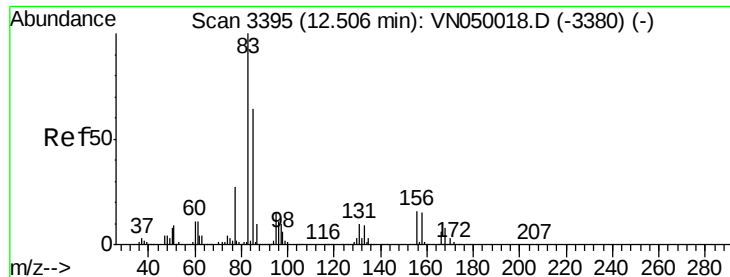
MMDadoda
8/3/2018 9:37:01 AM



#74
N-ethyl acetate
Concen: 21.819 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.4	51.6
55	27.2	20.8	31.2
61	24.4	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.078 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

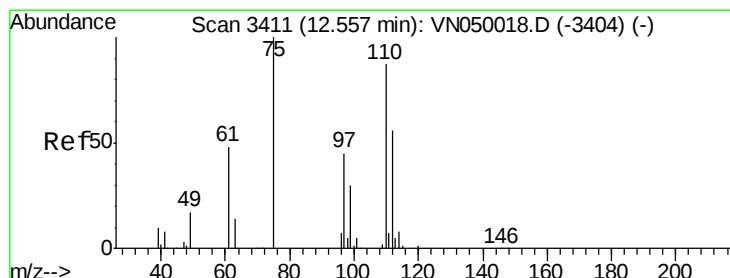
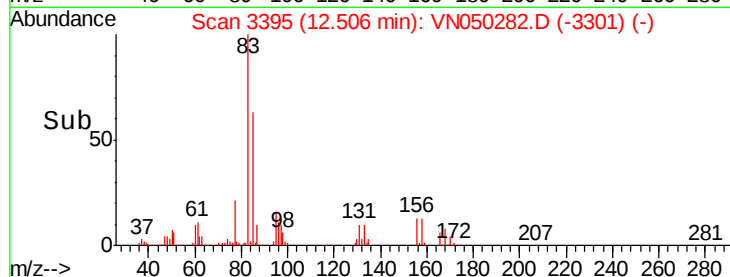
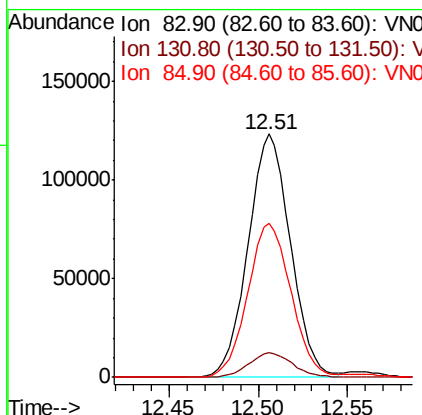
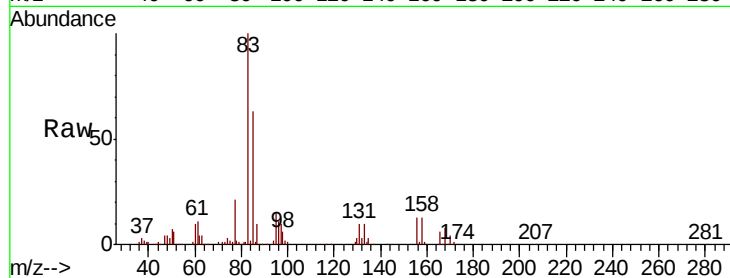
ClientSampleId :

VN0802WBSD02

Tot Ion:	83	Resp:	205381
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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MMDadoda
8/3/2018 9:37:01 AM



#76

1,2,3-Trichloropropane

Concen: 22.154 ug/l m

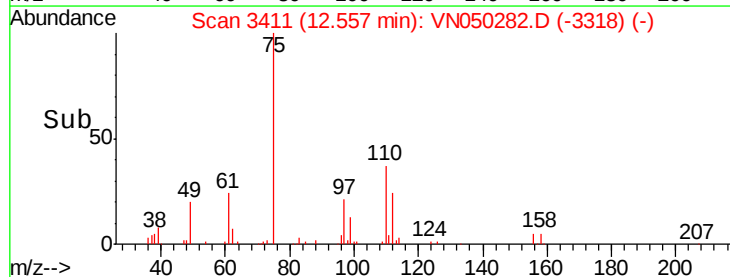
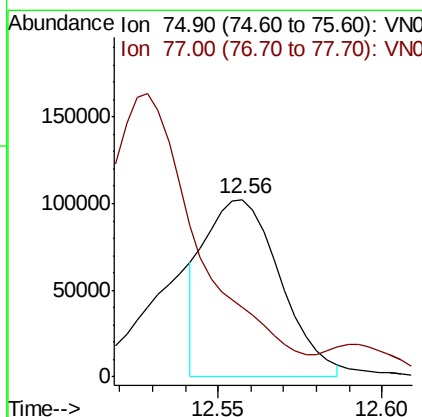
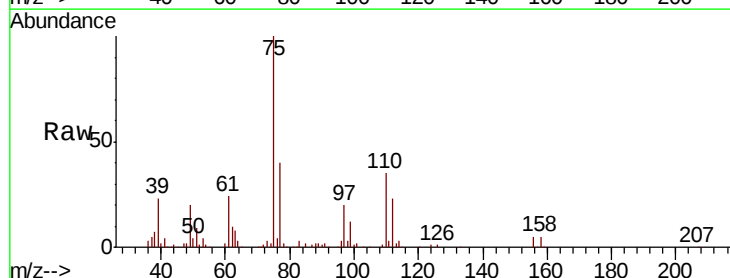
RT: 12.56 min Scan# 3411

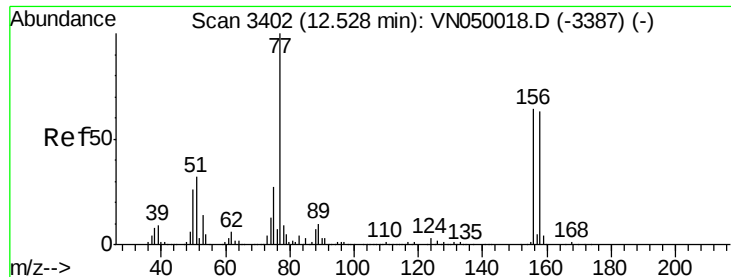
Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion:	75	Resp:	163322
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.775 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

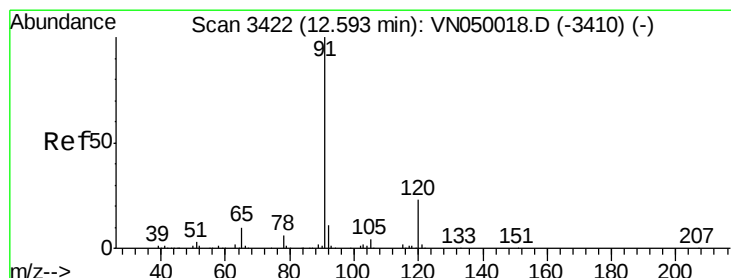
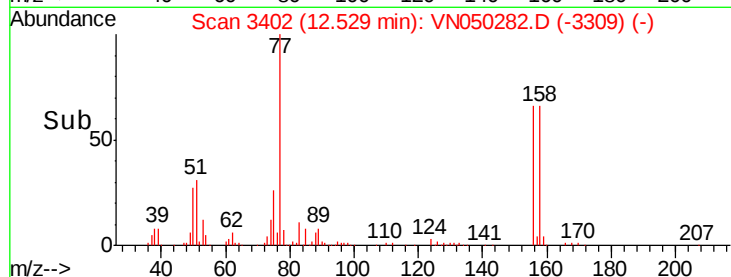
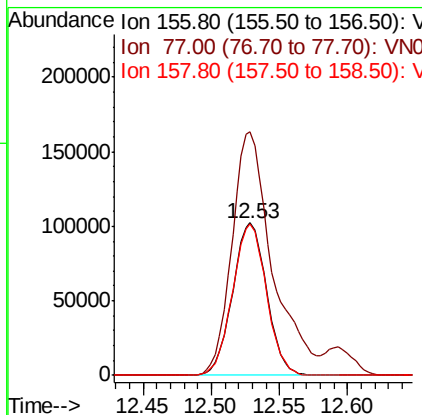
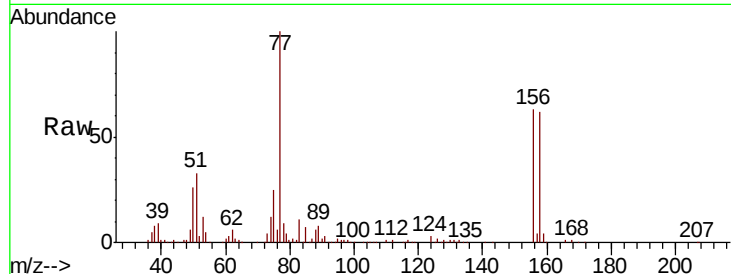
ClientSampleId :

VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.3	91.7	275.1
158	98.7	48.9	146.6

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#78

n-propylbenzene

Concen: 22.172 ug/l

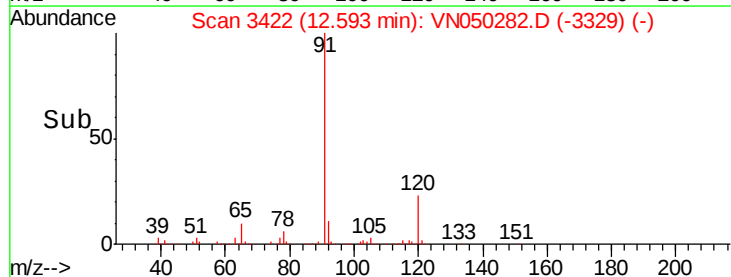
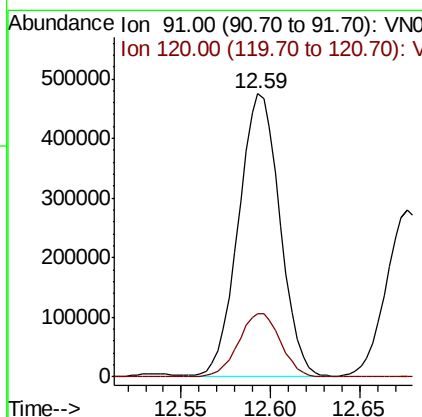
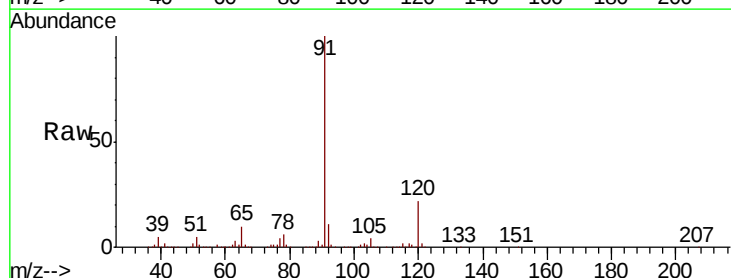
RT: 12.59 min Scan# 3422

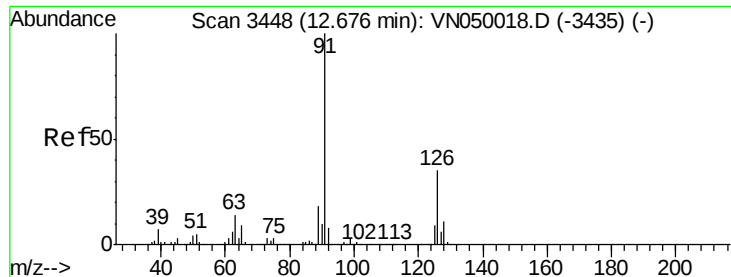
Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.6	34.7





#79

2-Chlorotoluene

Concen: 22.058 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 91 Resp: 470125

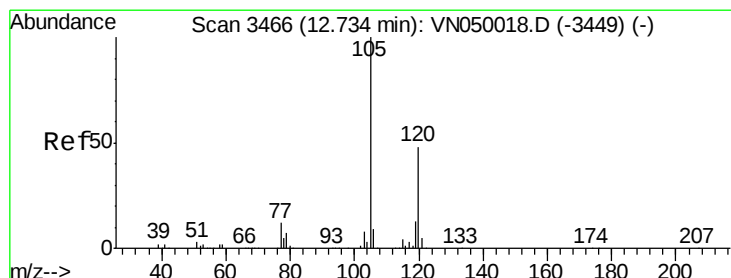
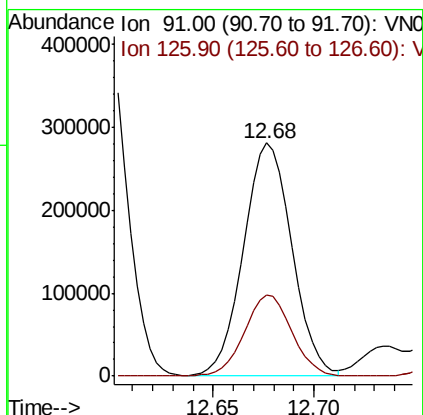
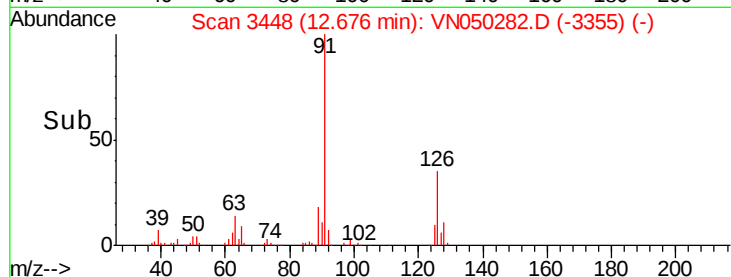
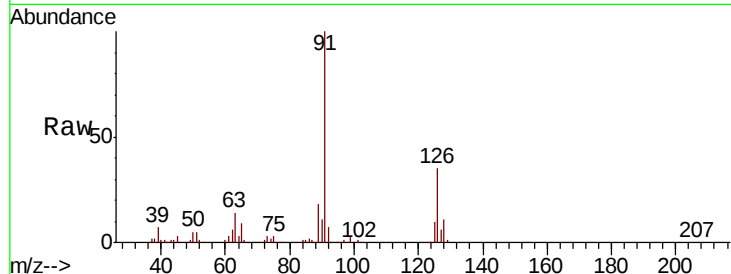
Ion Ratio Lower Upper

91 100

126 34.4 17.6 52.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 23.058 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050282.D

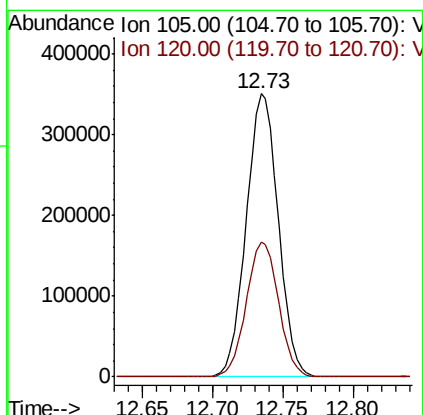
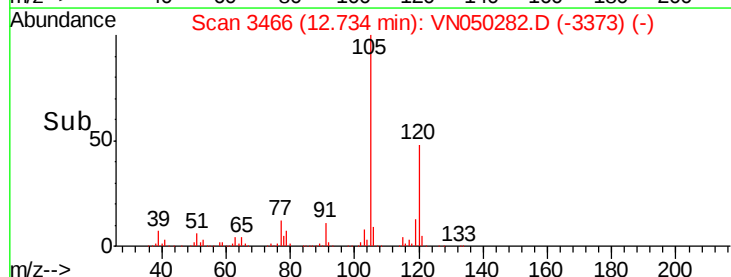
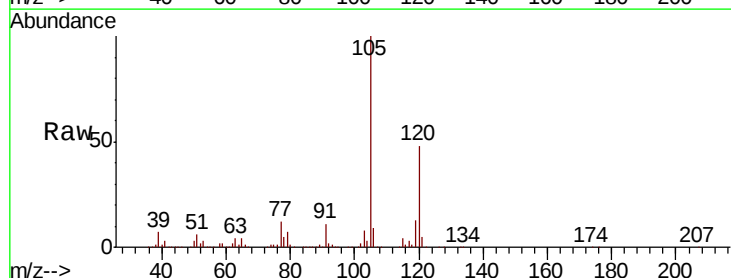
Acq: 2 Aug 2018 23:39

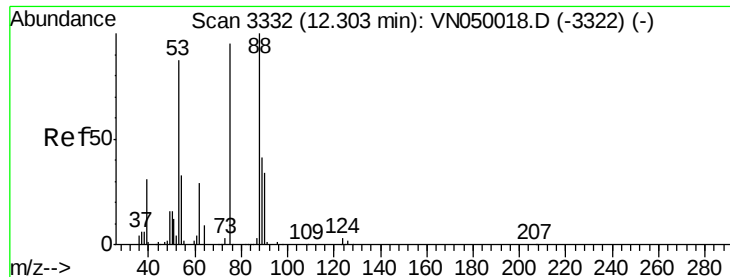
Tgt Ion: 105 Resp: 557973

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.111 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion: 75 Resp: 46743

Ion Ratio Lower Upper

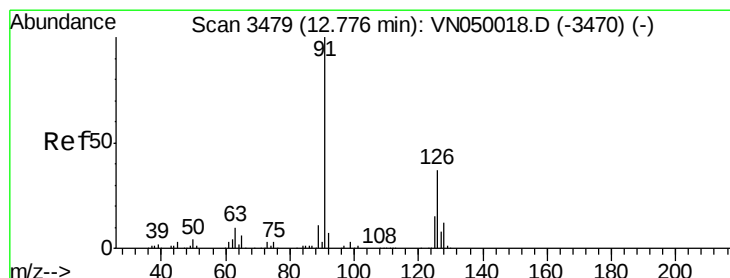
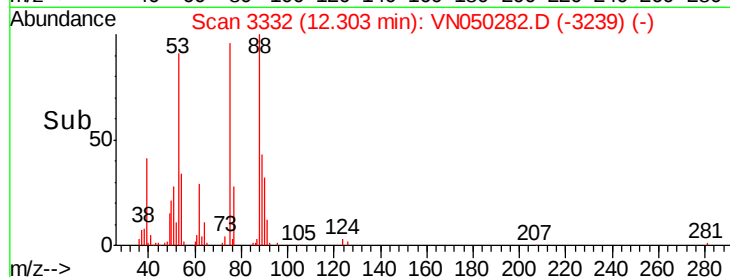
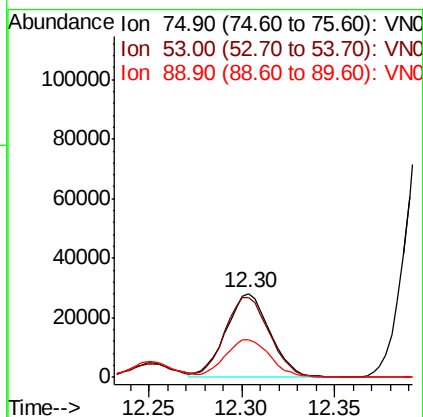
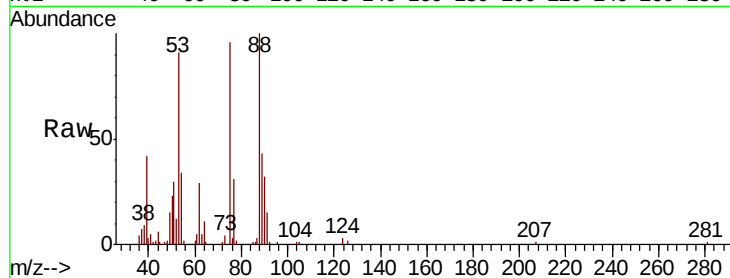
75 100

53 97.2 73.5 110.3

89 45.8 36.0 54.0

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#82

4-Chlorotoluene

Concen: 22.179 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050282.D

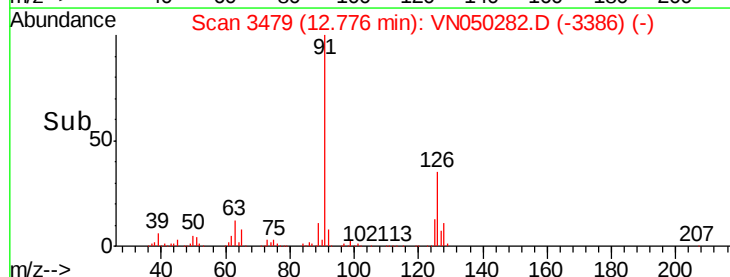
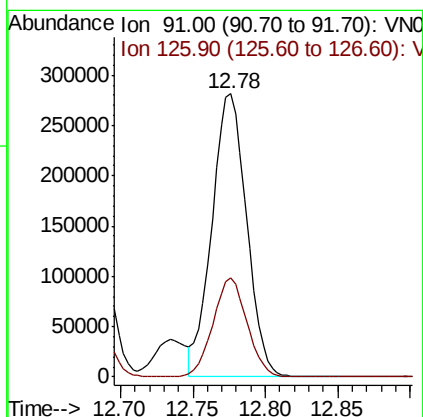
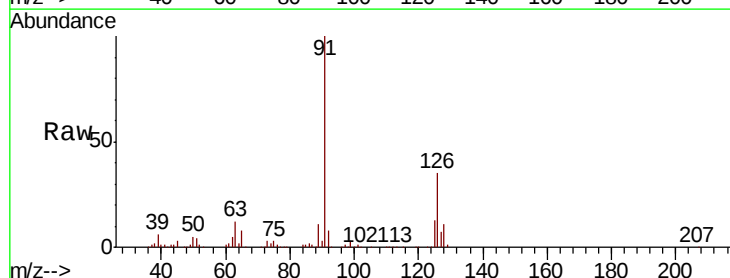
Acq: 2 Aug 2018 23:39

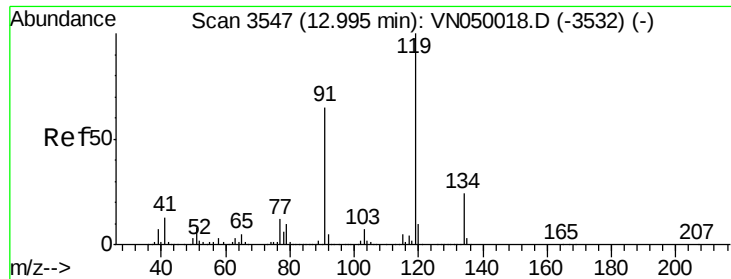
Tgt Ion: 91 Resp: 468120

Ion Ratio Lower Upper

91 100

126 34.3 17.0 51.0





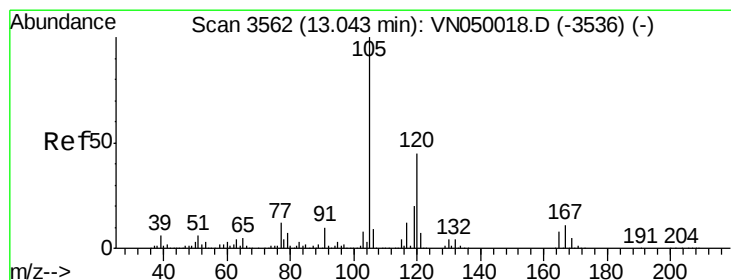
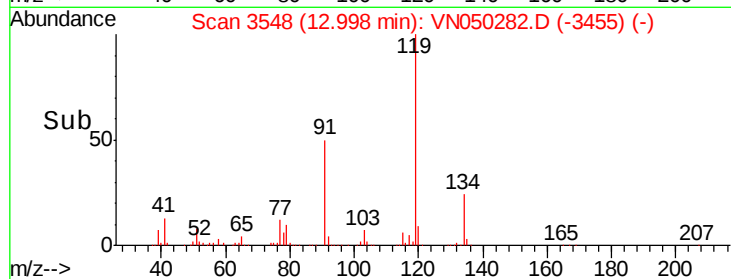
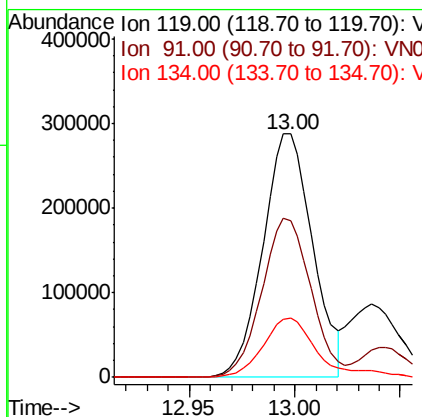
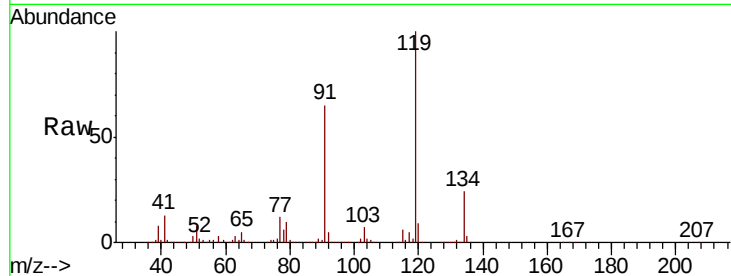
#83
tert-Butylbenzene
Concen: 22.409 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.1	96.3
134	26.8	13.2	39.5

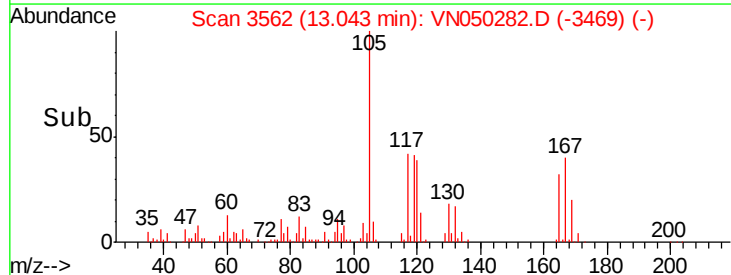
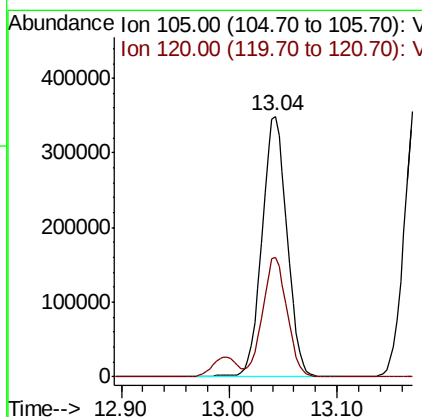
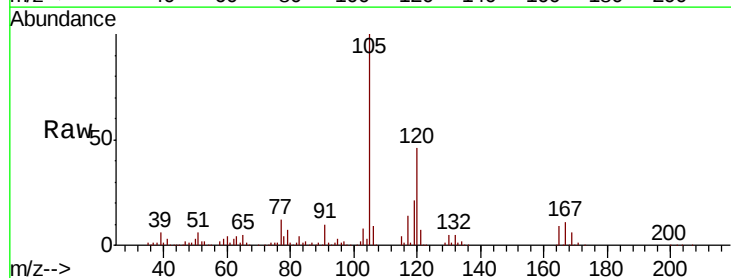
Manual Integrations
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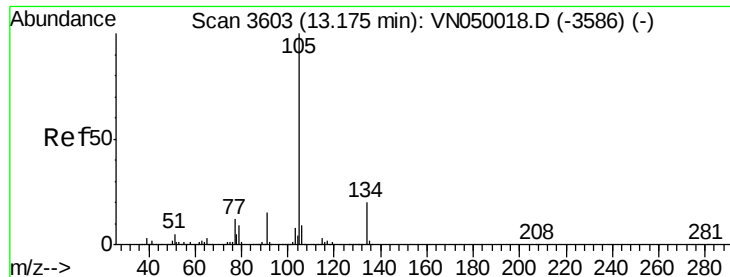
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.016 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 22.338 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBSD02

Tot Ion:105 Resp: 630327

Ion Ratio Lower Upper

105 100

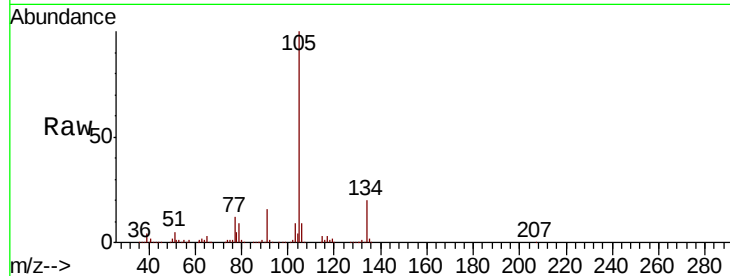
134 19.6 10.1 30.1

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

13.17

400000

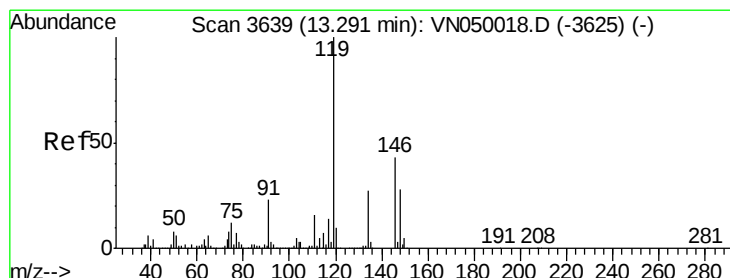
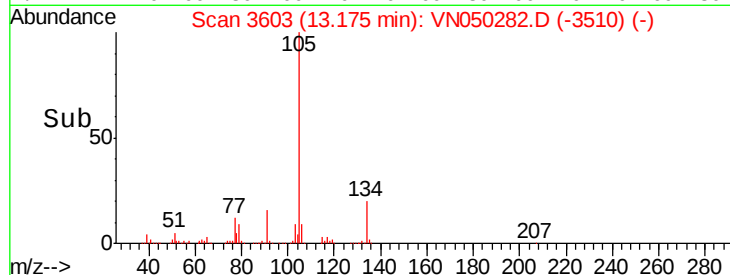
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.355 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

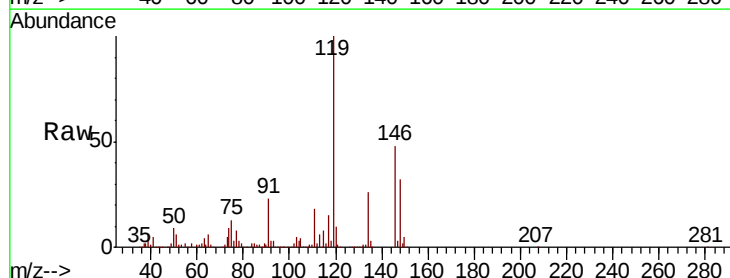
Tgt Ion:119 Resp: 531527

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.5 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

13.29

400000

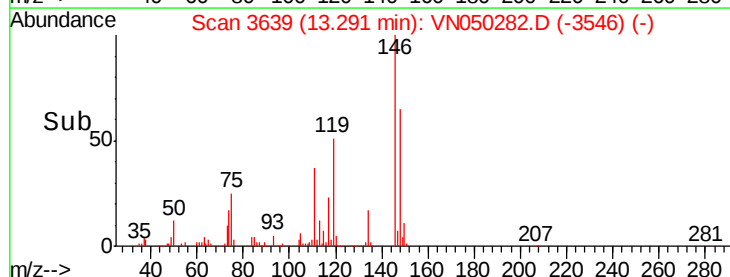
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.359 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050282.D

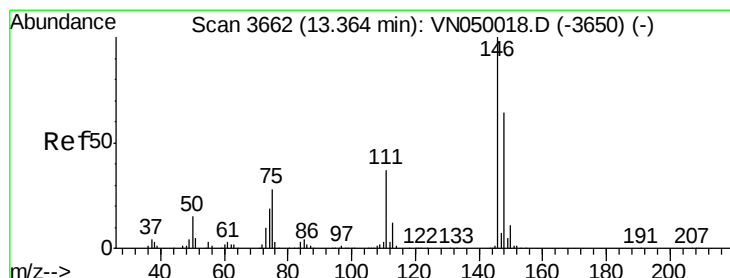
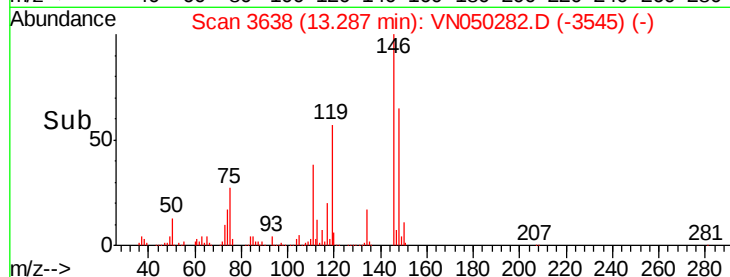
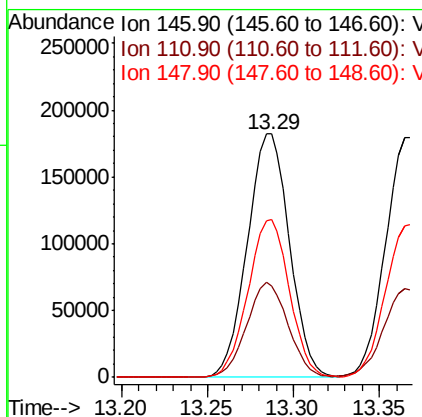
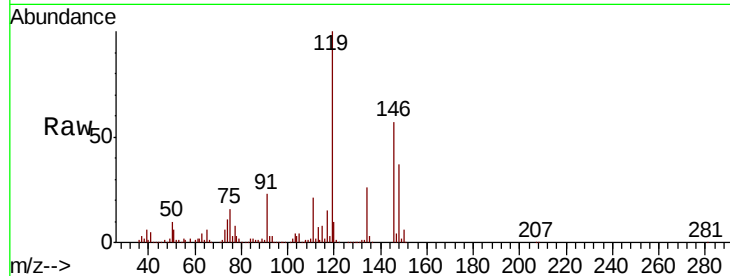
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	308731		
111	38.2	18.8	56.4	
148	63.8	31.9	95.9	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.167 ug/l

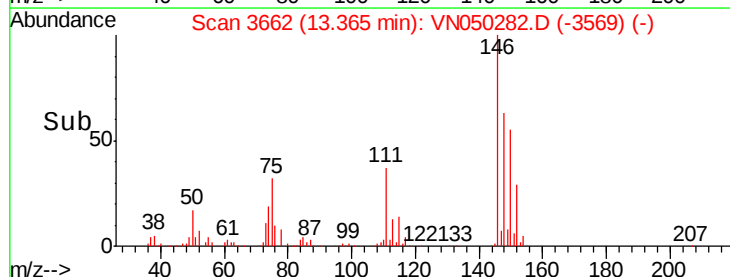
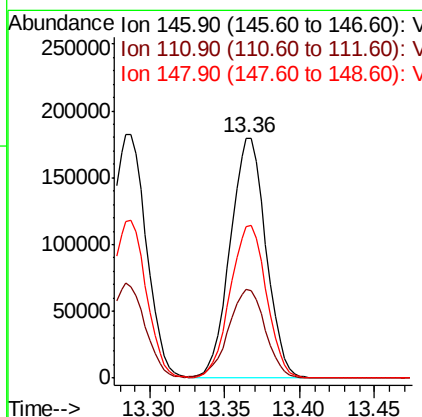
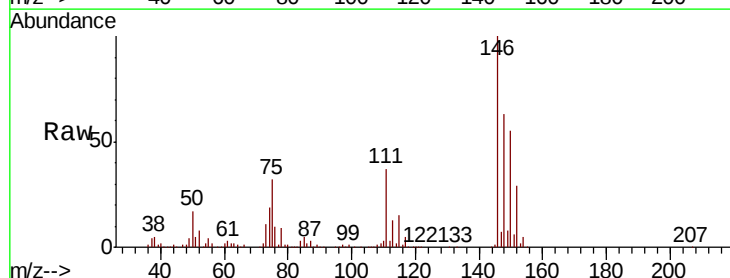
RT: 13.36 min Scan# 3662

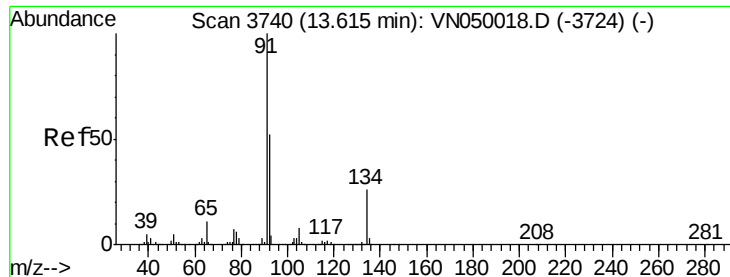
Delta R.T. 0.00 min

Lab File: VN050282.D

Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298216		
111	38.3	18.3	54.9	
148	64.7	31.9	95.9	





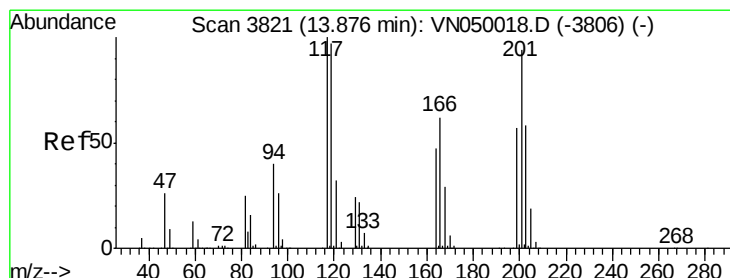
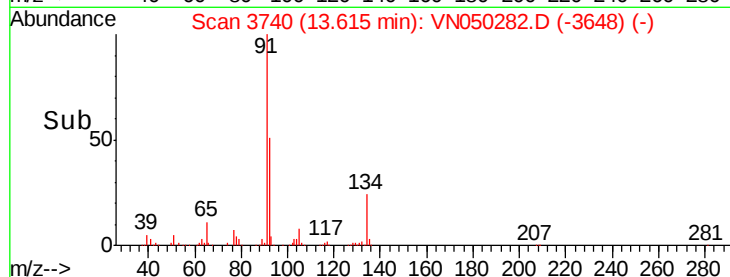
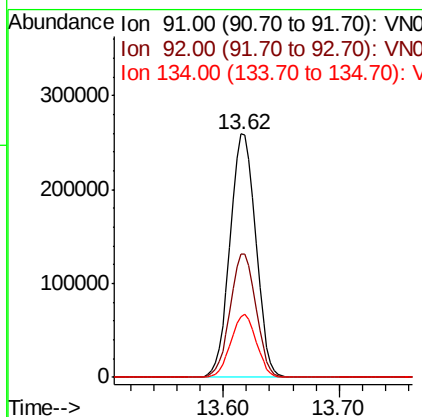
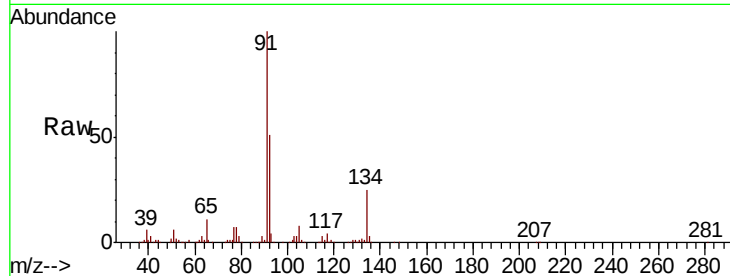
#89
n-Butylbenzene
Concen: 20.395 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion:	91	Resp:	398761
Ion Ratio	Lower	Upper	
91	100		
92	50.8	25.8	77.4
134	25.6	12.8	38.4

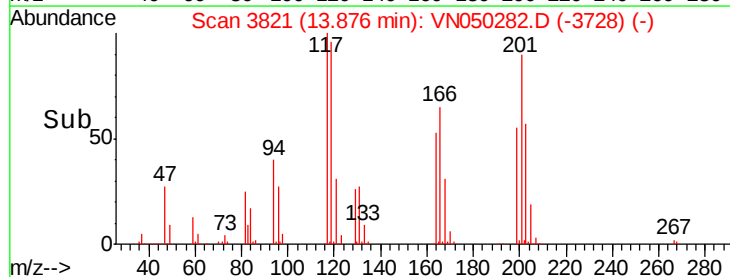
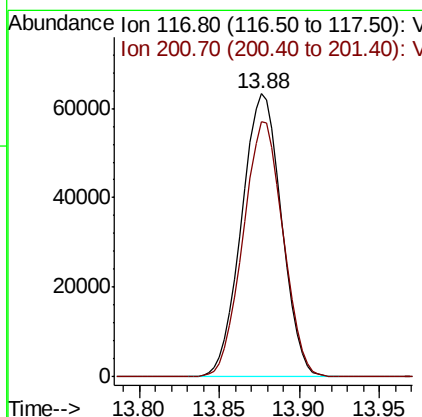
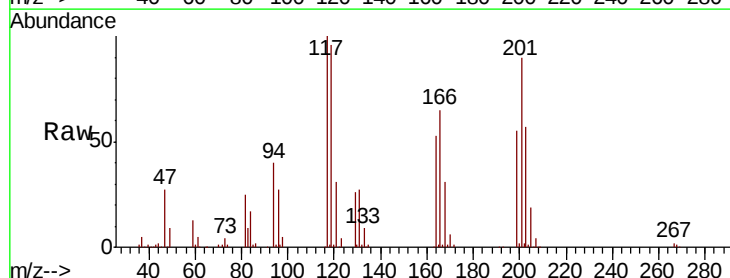
Manual Integrations
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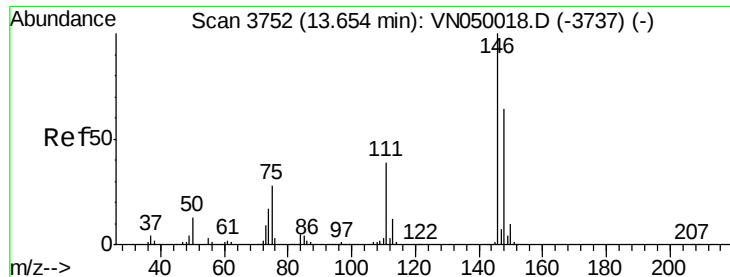
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#90
Hexachloroethane
Concen: 20.427 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion:	117	Resp:	107843
Ion Ratio	Lower	Upper	
117	100		
201	90.2	45.6	136.8





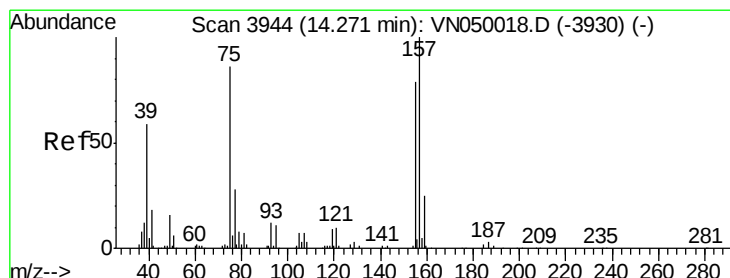
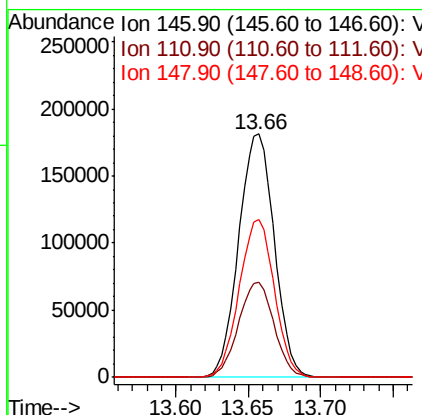
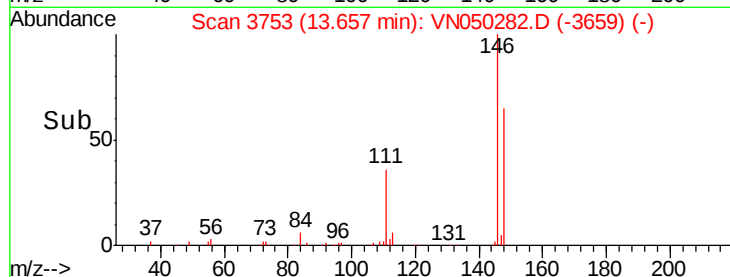
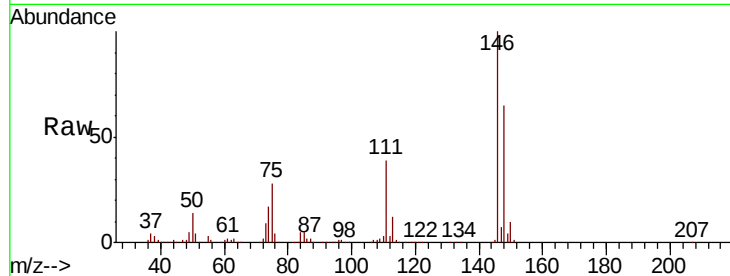
#91
 1,2-Dichlorobenzene
 Concen: 21.426 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.9	32.1	96.3

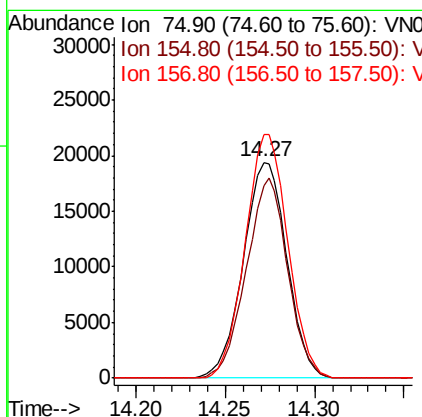
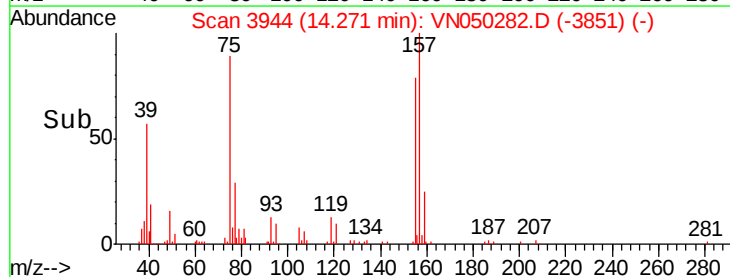
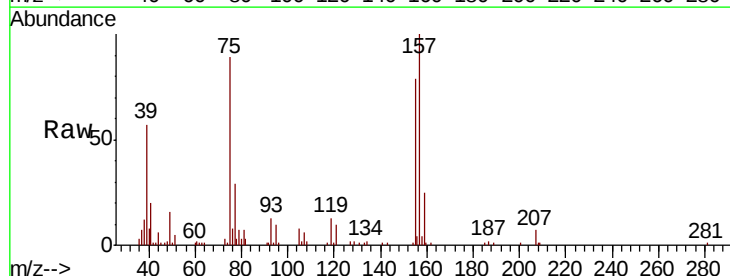
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.794 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.8	134.4
157	110.4	57.2	171.6





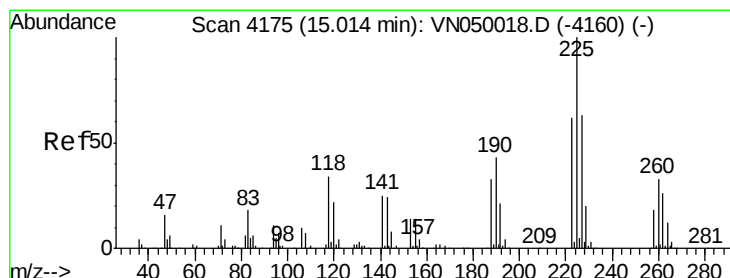
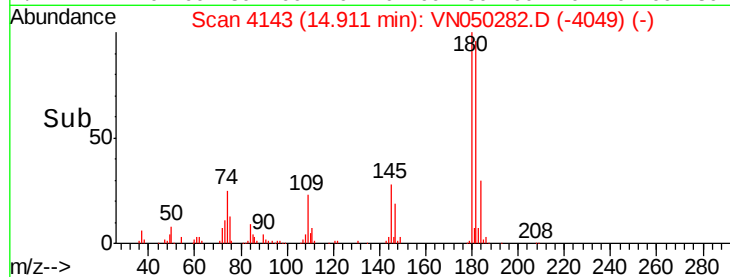
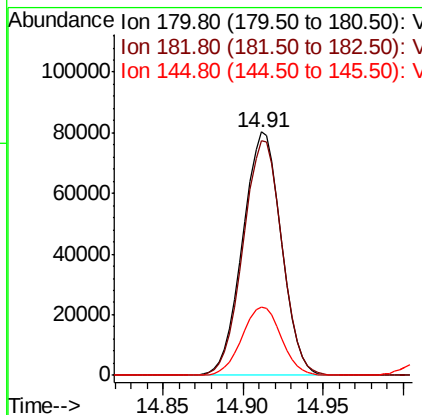
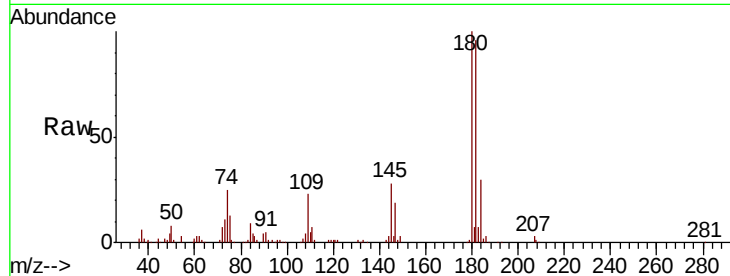
#93
 1,2,4-Trichlorobenzene
 Concen: 19.260 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBSD02

Tot Ion:	180	Resp:	132095
Ion Ratio	Lower	Upper	
180	100		
182	97.0	46.7	140.1
145	28.5	13.8	41.4

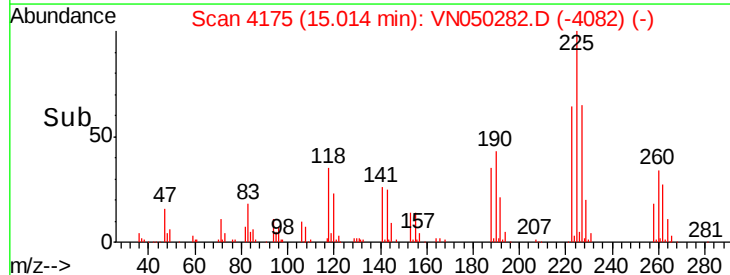
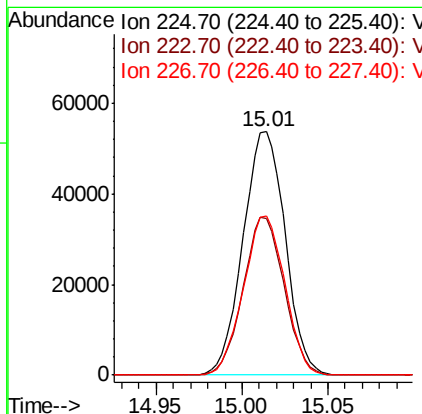
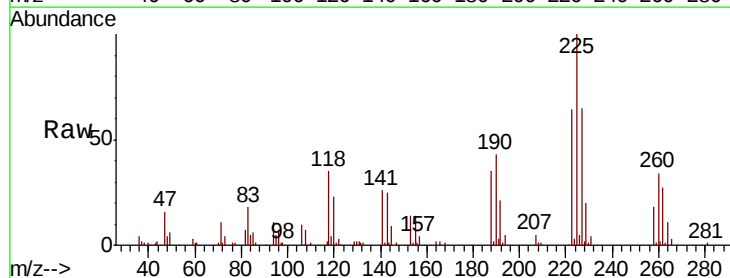
Manual Integrations
 APPROVED

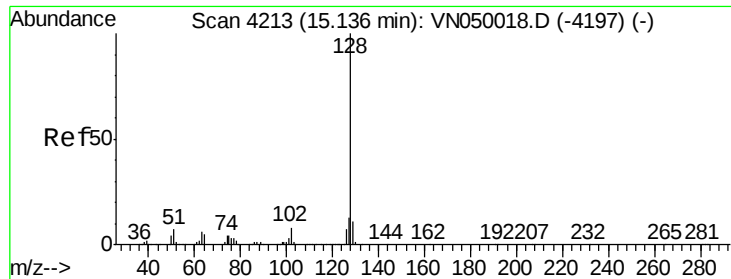
MMDadoda
 8/3/2018 9:37:01 AM



#94
 Hexachlorobutadiene
 Concen: 20.638 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050282.D
 Acq: 2 Aug 2018 23:39

Tgt Ion:	225	Resp:	91291
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.2
227	64.1	32.1	96.5





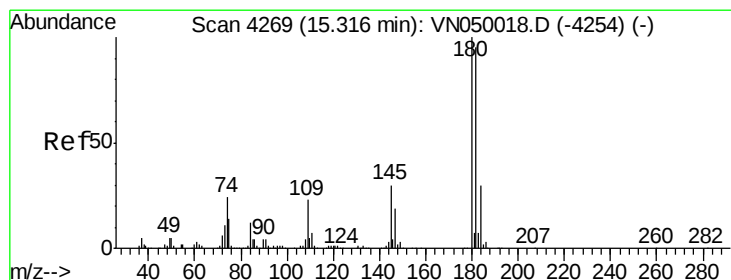
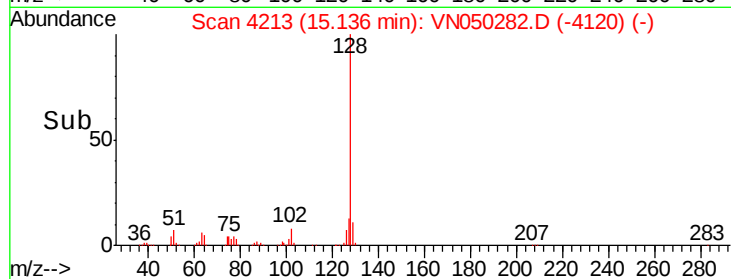
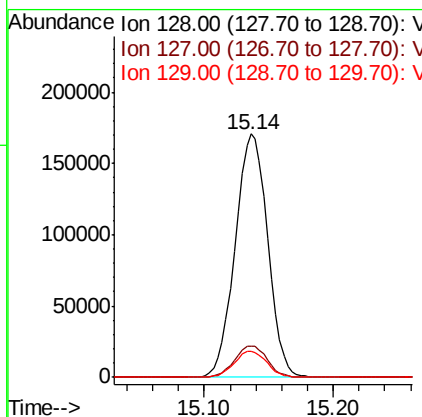
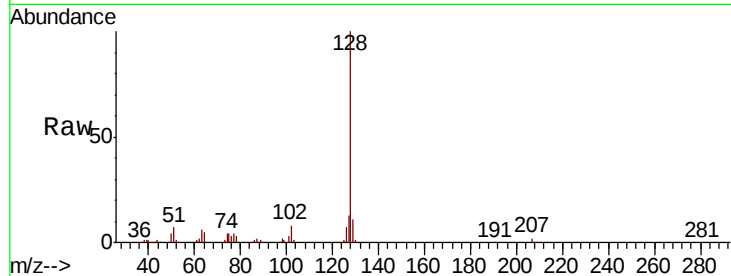
#95
Naphthalene
Concen: 19.446 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	298675		
127	13.0		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:37:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.460 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050282.D
Acq: 2 Aug 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142533		
182	96.4		48.1	144.4
145	29.8		15.3	45.9

