

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050281.D
 Acq On : 2 Aug 2018 23:14
 Operator : MD\SY
 Sample : VN0802WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:55 AM

Quant Time: Aug 03 02:14:32 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	589150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	892295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409427	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	357719	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.09	98	1309351	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	423521	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166622	19.683	ug/l	100
3) Chloromethane	2.06	50	161650	17.567	ug/l	98
4) Vinyl Chloride	2.18	62	182855	18.870	ug/l	98
5) Bromomethane	2.56	94	71083	12.457	ug/l	100
6) Chloroethane	2.70	64	108517	18.647	ug/l	98
7) Trichlorofluoromethane	3.01	101	246021	19.599	ug/l	99
8) Diethyl Ether	3.41	74	86017	20.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149287	19.777	ug/l	100
10) Methyl Iodide	3.95	142	95588	9.866	ug/l	99
11) Tert butyl alcohol	4.80	59	73049	120.779	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	132271	19.480	ug/l	99
13) Acrolein	3.61	56	79921	164.468	ug/l	100
14) Allyl chloride	4.32	41	202988	19.279	ug/l	99
15) Acrylonitrile	5.00	53	295506	111.988	ug/l	99
16) Acetone	3.82	43	227810	115.318	ug/l	98
17) Carbon Disulfide	4.05	76	345524	16.610	ug/l	99
18) Methyl Acetate	4.33	43	225905	29.323	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	395364	21.849	ug/l	99
20) Methylene Chloride	4.55	84	157215	20.840	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	136732	19.003	ug/l	100
22) Diisopropyl ether	5.96	45	471590	22.589	ug/l	97
23) Vinyl Acetate	5.90	43	1514142	102.628	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283179	20.743	ug/l	99
25) 2-Butanone	6.84	43	354929	113.203	ug/l	100
26) 2,2-Dichloropropane	6.82	77	167273	16.106	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	159813	20.633	ug/l	98
28) Bromochloromethane	7.20	49	128474	20.632	ug/l	99
29) Tetrahydrofuran	7.22	42	234932	115.957	ug/l	99
30) Chloroform	7.37	83	287800	20.659	ug/l	99
31) Cyclohexane	7.66	56	215185	18.964	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	244190	20.492	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197730	19.669	ug/l	99
37) Ethyl Acetate	6.94	43	157488	22.469	ug/l	100
38) Carbon Tetrachloride	7.77	117	213602	20.025	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	187967	18.175	ug/l	97
40) Benzene	8.04	78	631243	20.635	ug/l	99
41) Methacrylonitrile	7.18	41	74774	22.106	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	210957	20.671	ug/l	99
43) Isopropyl Acetate	8.17	43	314462	23.197	ug/l #	92
44) Trichloroethene	8.84	130	164104	19.964	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172379	21.275	ug/l	99
46) Dibromomethane	9.21	93	106738	21.216	ug/l	99
47) Bromodichloromethane	9.41	83	220836	20.797	ug/l	98
48) Methyl methacrylate	9.20	41	134111	22.217	ug/l	99
49) 1,4-Dioxane	9.20	88	40680	495.205	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	812470	117.917	ug/l	100
52) Toluene	10.16	92	382818	21.200	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	202756	20.235	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	238218	20.803	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	153530	21.436	ug/l	98
56) Ethyl methacrylate	10.43	69	186603	20.482	ug/l	100
57) 1,3-Dichloropropane	10.71	76	253210	21.710	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373286	88.068	ug/l	99
59) 2-Hexanone	10.75	43	539287	109.485	ug/l	99
60) Dibromochloromethane	10.90	129	172991	21.815	ug/l	99
61) 1,2-Dibromoethane	11.01	107	150333	21.155	ug/l	98
64) Tetrachloroethene	10.63	164	154764	20.226	ug/l	97
65) Chlorobenzene	11.44	112	410065	20.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167038	21.625	ug/l	98
67) Ethyl Benzene	11.51	91	680230	21.064	ug/l	99
68) m/p-Xylenes	11.62	106	532936	43.630	ug/l	99
69) o-Xylene	11.95	106	250646	21.525	ug/l	100
70) Styrene	11.97	104	405300	20.132	ug/l	99
71) Bromoform	12.13	173	121323	21.592	ug/l #	100
73) Isopropylbenzene	12.25	105	670195	21.465	ug/l	99
74) N-amyl acetate	12.07	43	203216	21.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	204193	23.550	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	174159m	23.278	ug/l	
77) Bromobenzene	12.53	156	179669	20.762	ug/l	98
78) n-propylbenzene	12.59	91	754989	21.633	ug/l	100
79) 2-Chlorotoluene	12.68	91	468521	21.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	554696	22.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47321	20.061	ug/l	96
82) 4-Chlorotoluene	12.78	91	471403	22.007	ug/l	100
83) tert-Butylbenzene	13.00	119	468007	21.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	561988	22.702	ug/l	99
85) sec-Butylbenzene	13.17	105	628216	21.937	ug/l	100
86) p-Isopropyltoluene	13.29	119	525955	21.796	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	303985	20.722	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	296116	20.710	ug/l	98
89) n-Butylbenzene	13.62	91	397258	20.020	ug/l	97
90) Hexachloroethane	13.88	117	107784	20.116	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	306930	20.930	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31656	22.305	ug/l	99

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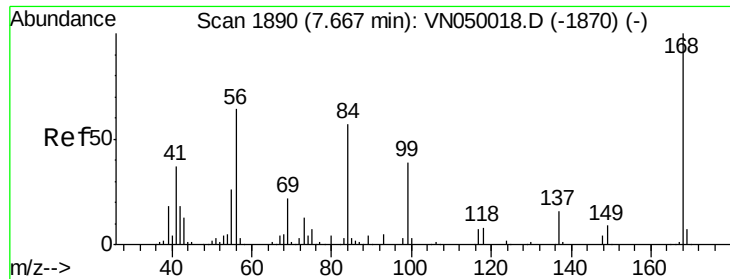
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125802	18.264	ug/l	96
94) Hexachlorobutadiene	15.01	225	86719	19.317	ug/l	99
95) Naphthalene	15.14	128	278063	18.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	134830	19.220	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: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion:168 Resp: 589150

Ion Ratio Lower Upper

168 100

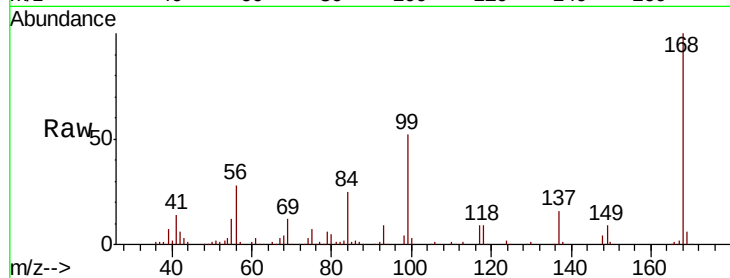
99 51.3 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

250000

200000

150000

100000

50000

0

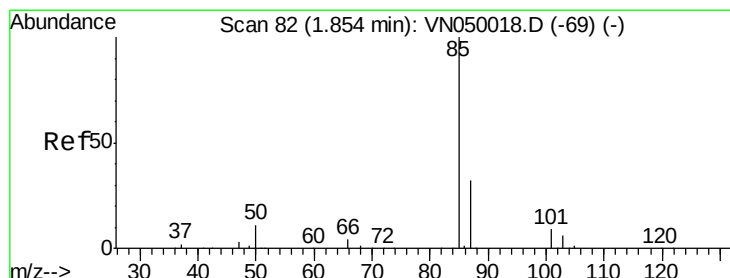
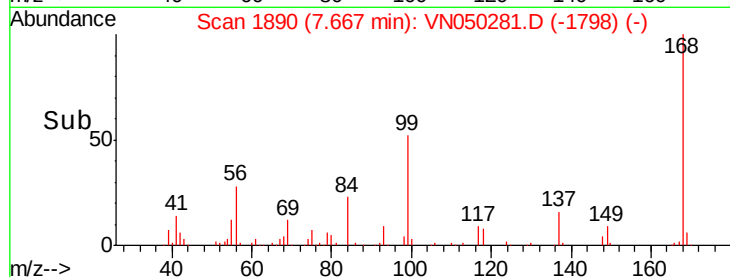
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.683 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050281.D

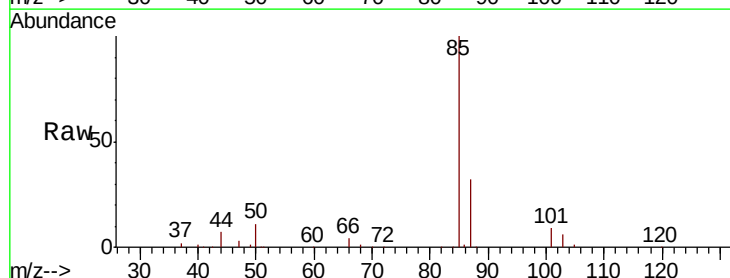
Acq: 2 Aug 2018 23:14

Tgt Ion: 85 Resp: 166622

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

100000

50000

0

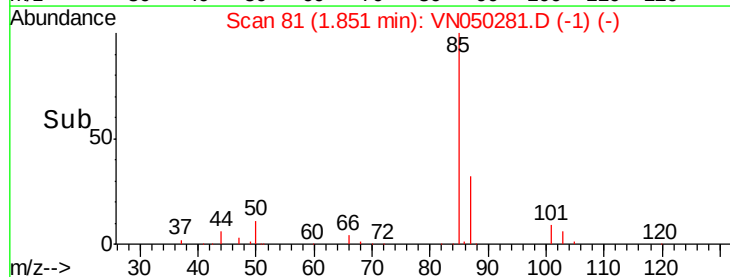
1.80

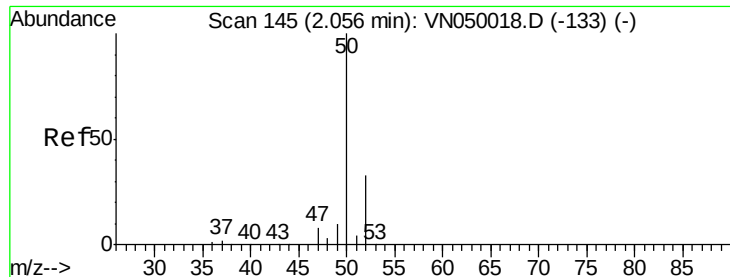
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.567 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

Tot Ion: 50 Resp: 161650

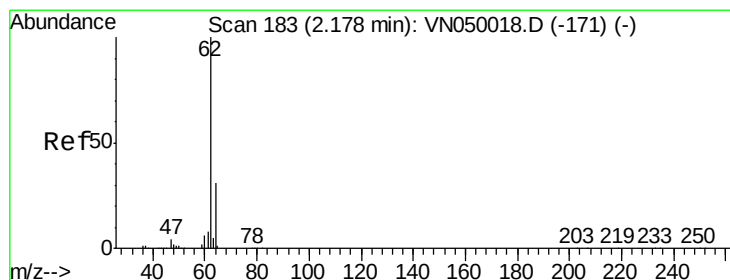
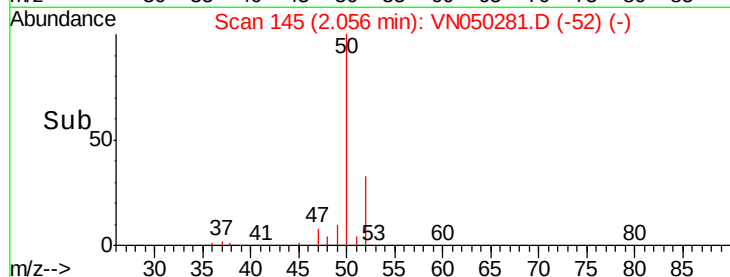
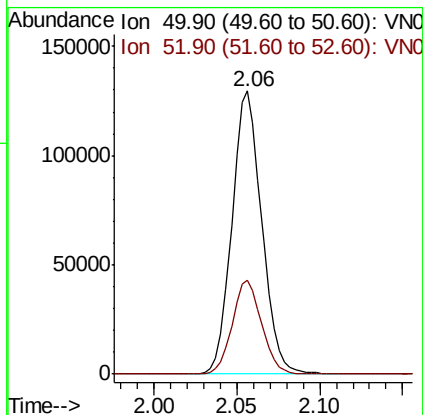
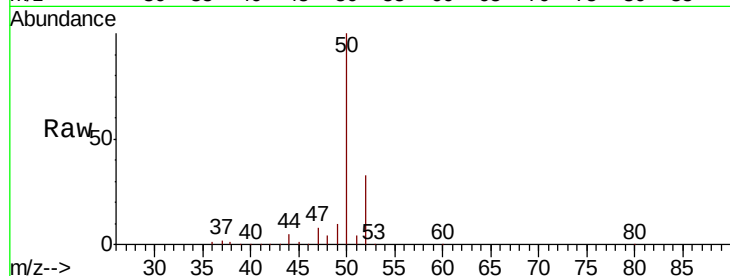
Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.870 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050281.D

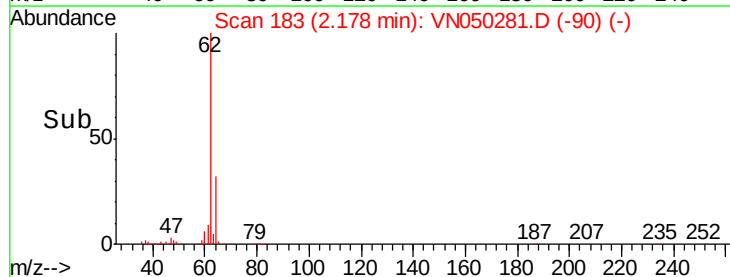
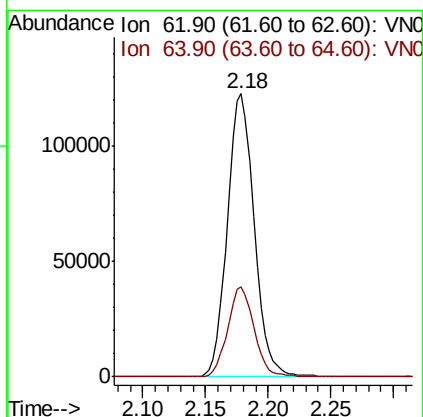
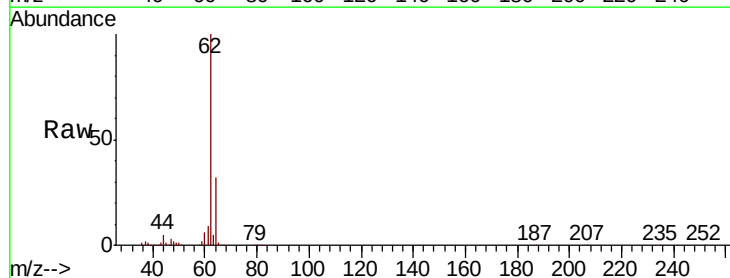
Acq: 2 Aug 2018 23:14

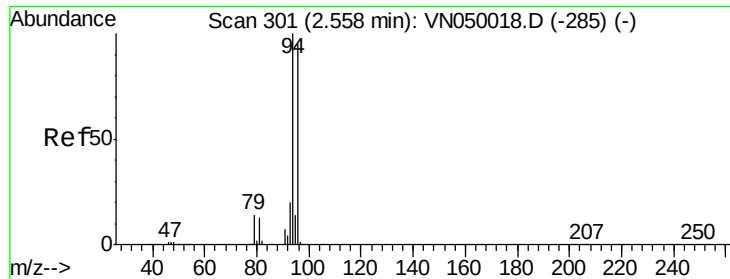
Tgt Ion: 62 Resp: 182855

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 12.457 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion: 94 Resp: 71083

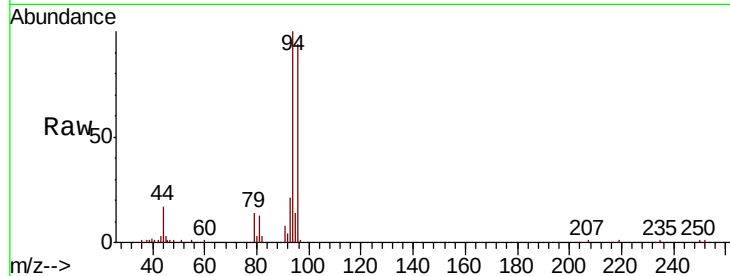
Ion Ratio Lower Upper

94 100

96 93.7 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

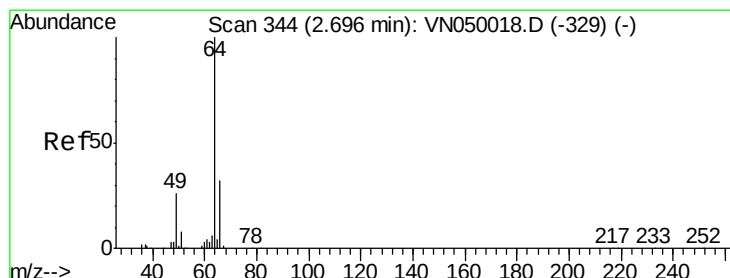
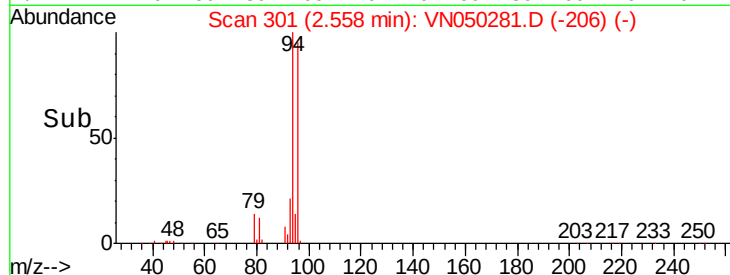
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.647 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050281.D

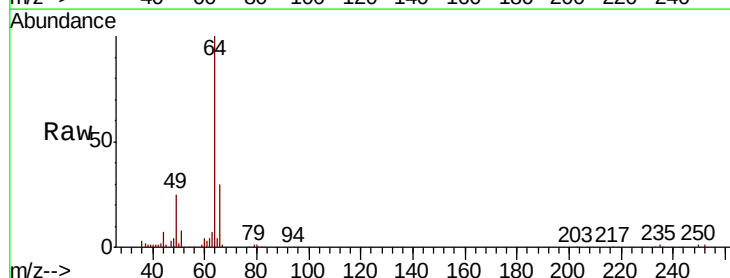
Acq: 2 Aug 2018 23:14

Tgt Ion: 64 Resp: 108517

Ion Ratio Lower Upper

64 100

66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

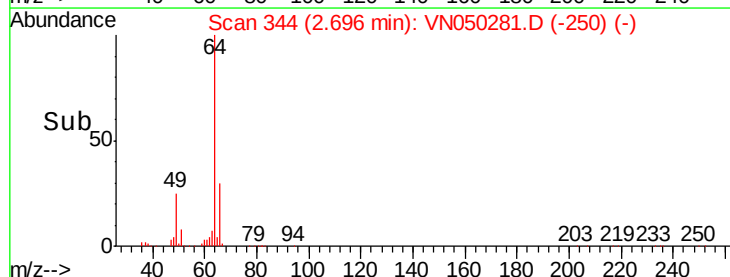
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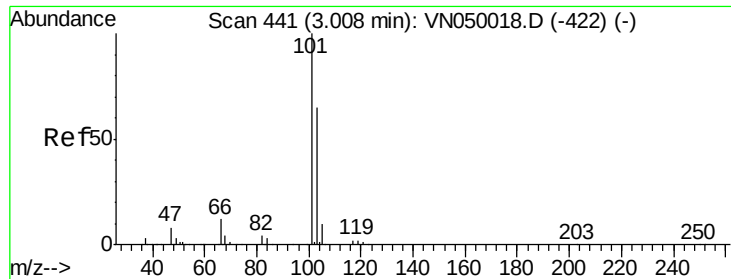
10000

0

Time-->

2.60 2.70 2.80





#7

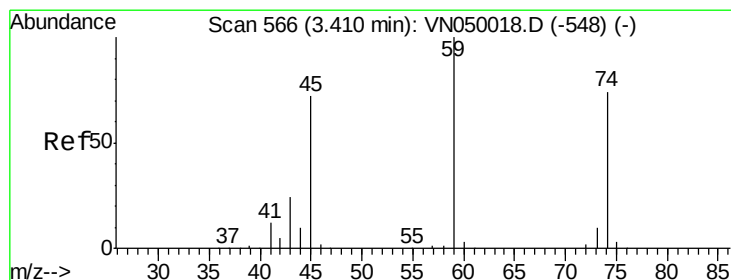
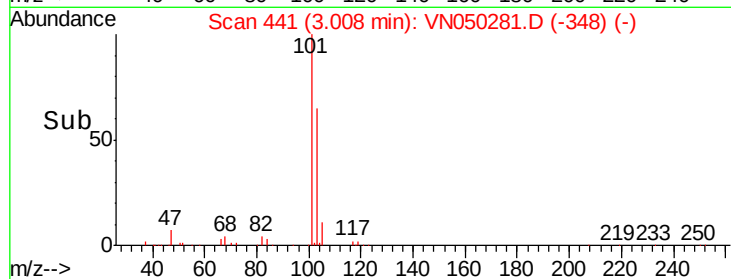
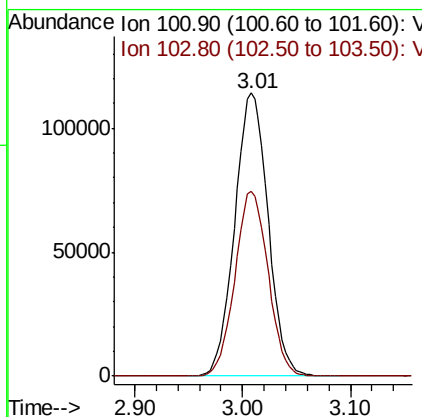
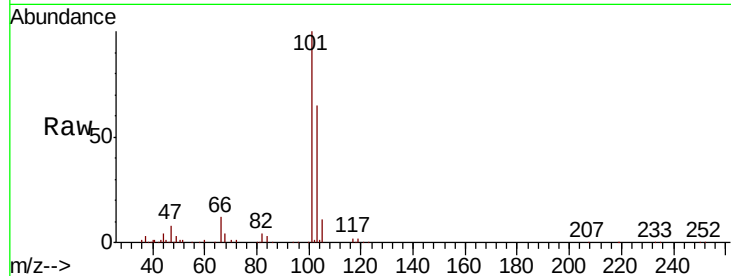
Trichlorofluoromethane
Concen: 19.599 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
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ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.7	77.5

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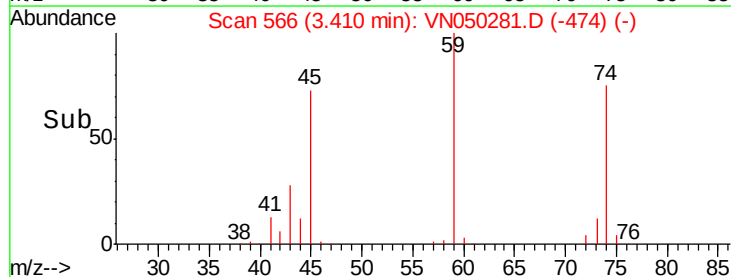
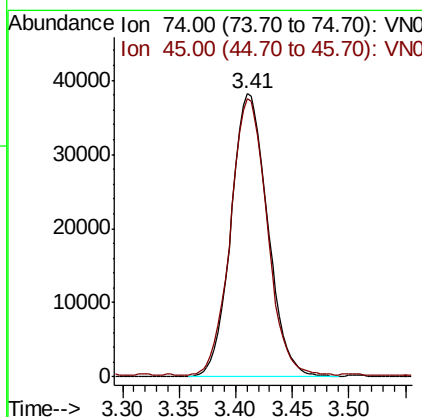
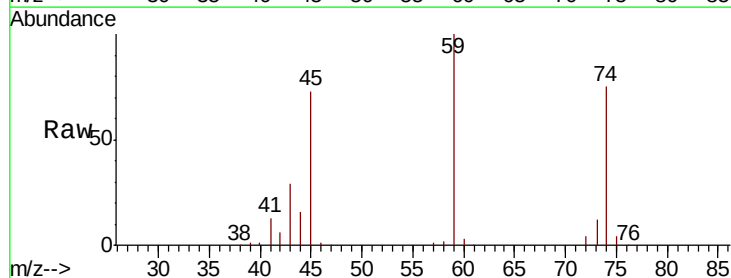
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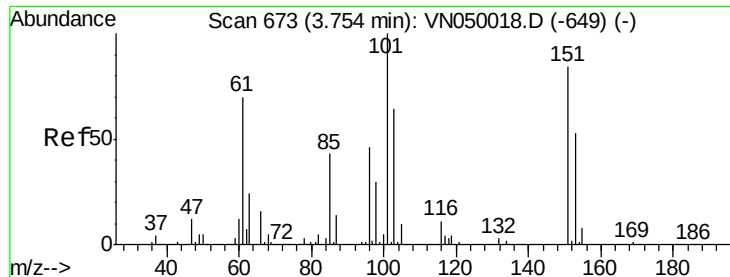


#8

Diethyl Ether
Concen: 20.554 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.777 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

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MSVOA_N

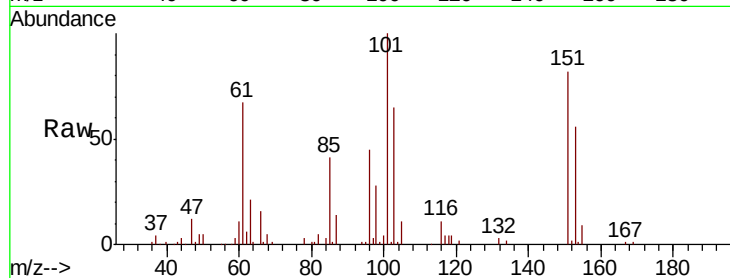
ClientSampleId :

VN0802WBS02

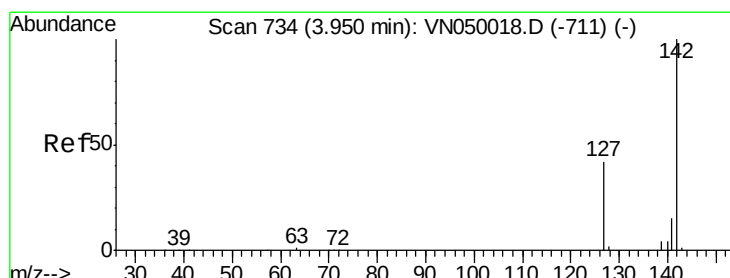
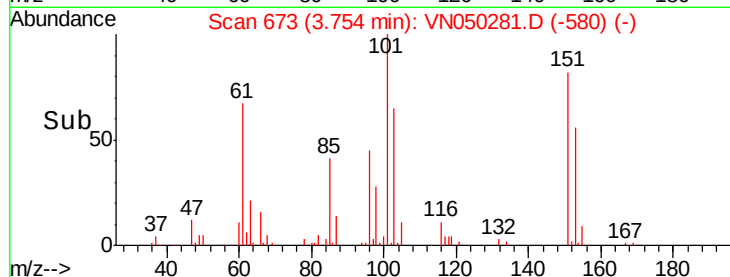
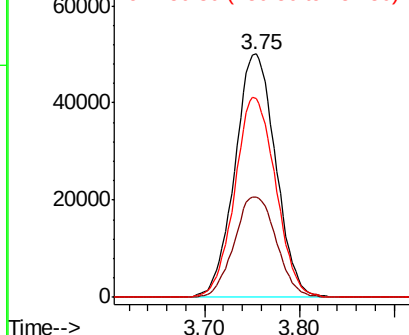
Tot Ion:	101	Resp:	149287
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	82.6	66.3	99.5

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



#10

Methyl Iodide

Concen: 9.866 ug/l

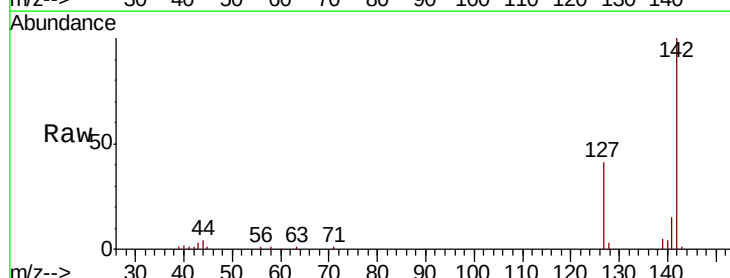
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

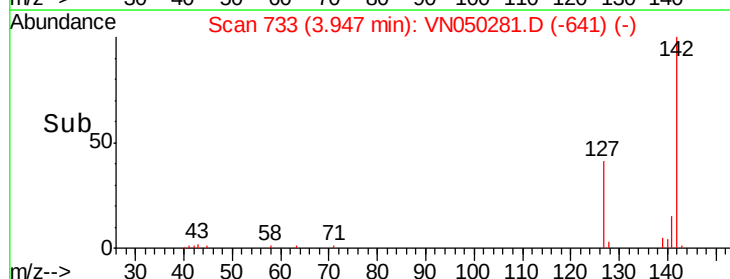
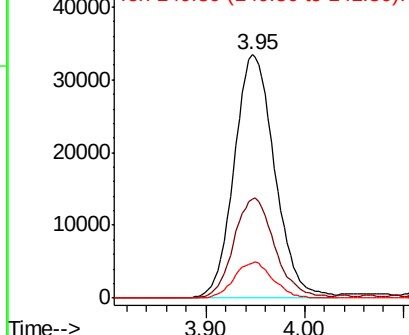
Lab File: VN050281.D

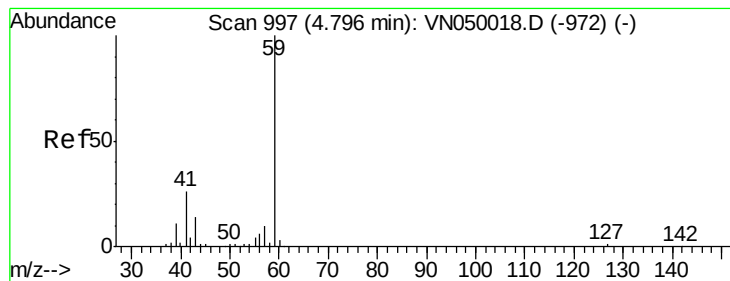
Acq: 2 Aug 2018 23:14

Tgt Ion:	142	Resp:	95588
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.4	50.2
141	14.1	11.6	17.4



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





#11

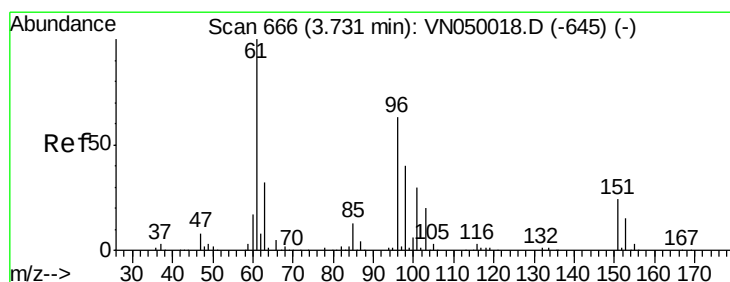
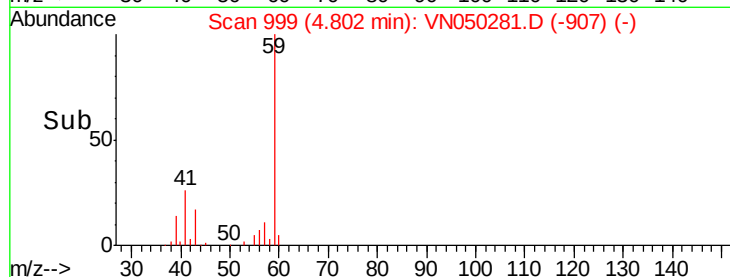
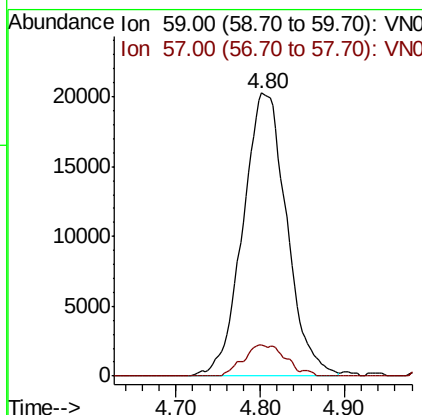
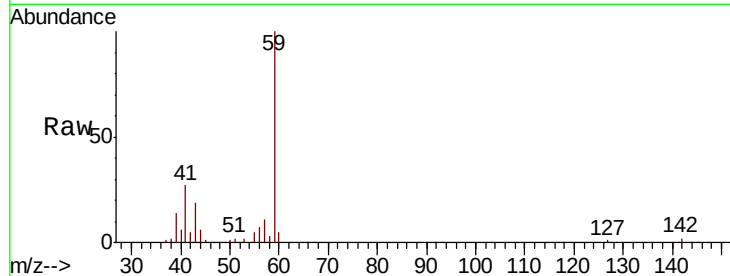
Tert butyl alcohol
 Concen: 120.779 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.5	12.7#

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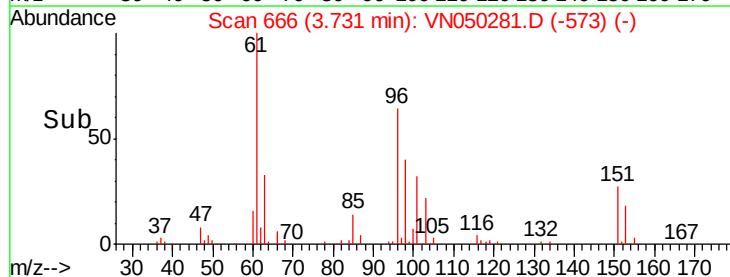
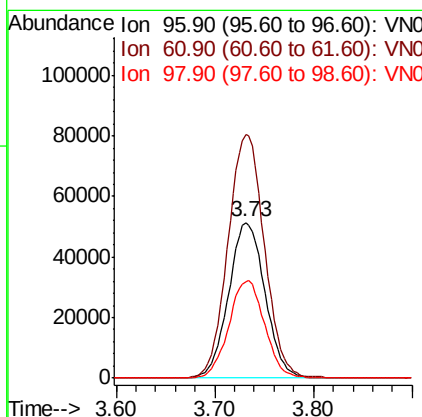
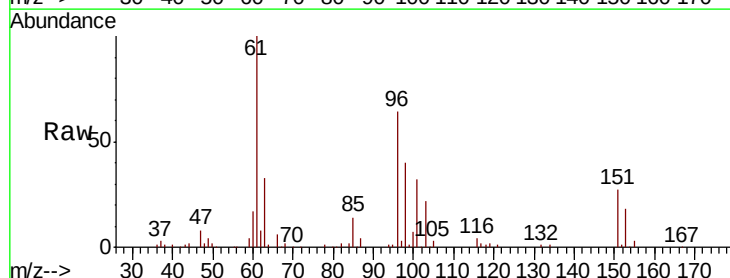
MMDadoda
 8/3/2018 9:36:55 AM

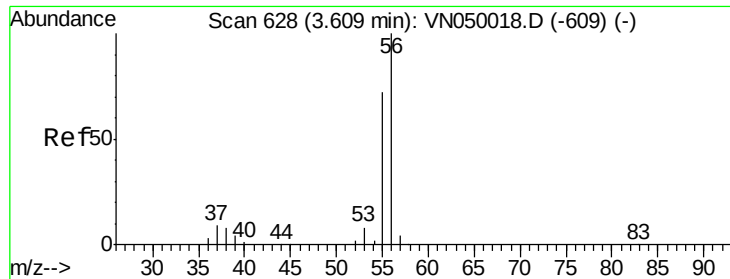


#12

1,1-Dichloroethene
 Concen: 19.480 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	124.4	186.6
98	62.2	48.3	72.5





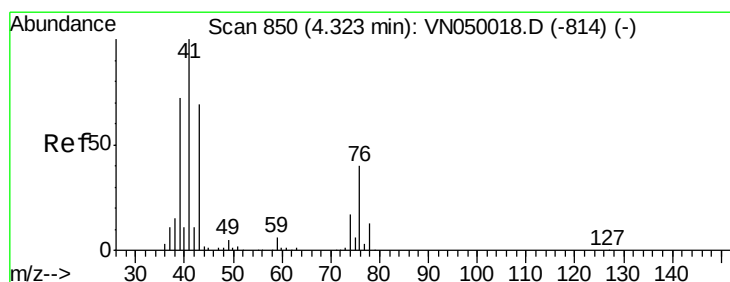
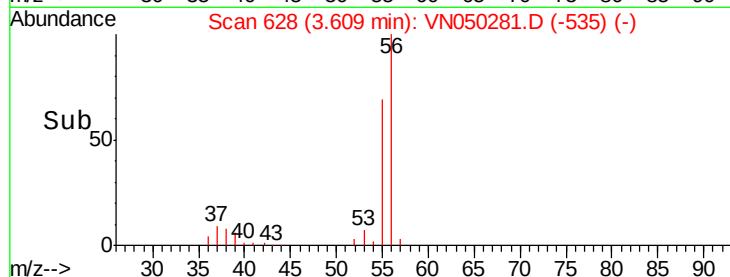
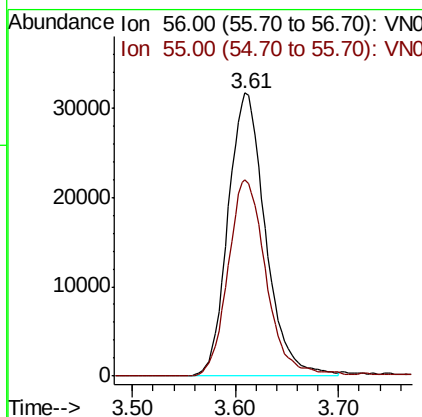
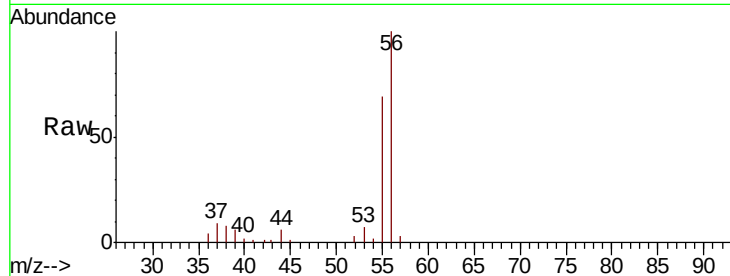
#13
Acrolein
Concen: 164.468 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion	56	55	Resp	79921	Lower	Upper
Ion Ratio	100	70.0			55.8	83.6

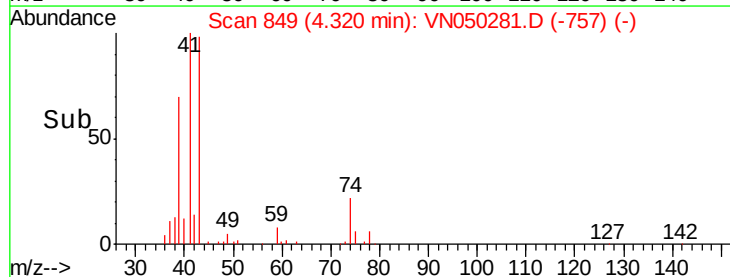
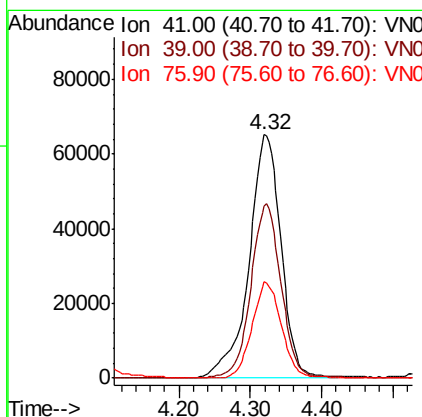
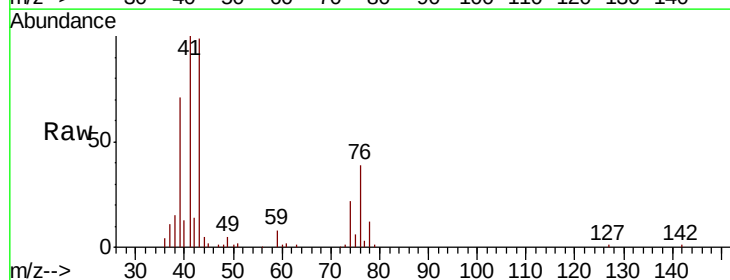
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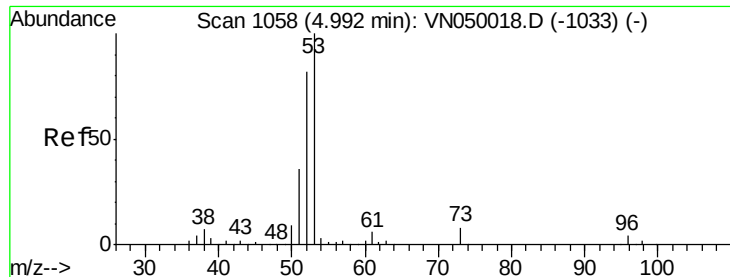
MMDadoda
8/3/2018 9:36:55 AM



#14
Allyl chloride
Concen: 19.279 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	41	39	76	Resp	202988	Lower	Upper
Ion Ratio	100	67.2	35.9			54.2	81.4
						29.0	43.6





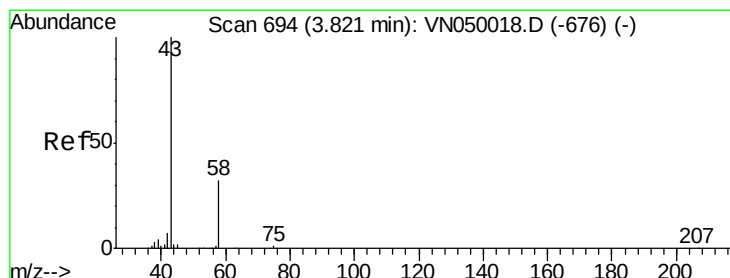
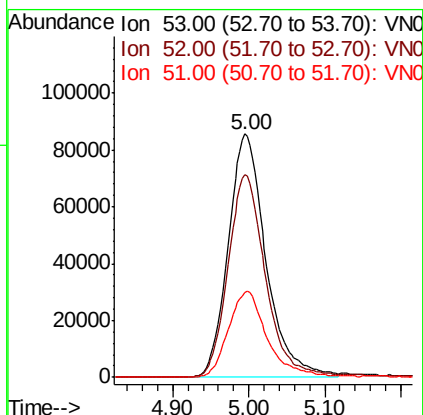
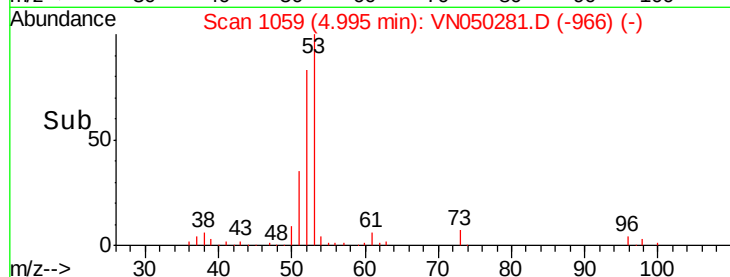
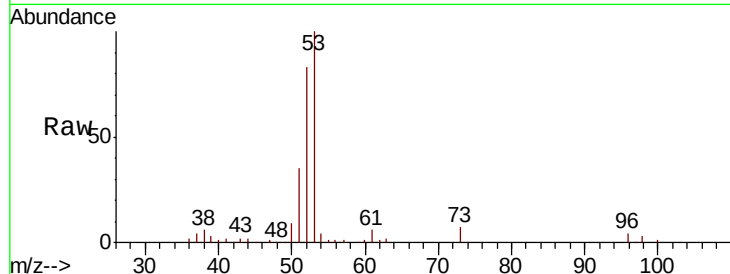
#15
 Acrylonitrile
 Concen: 111.988 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	36.3	29.3	43.9

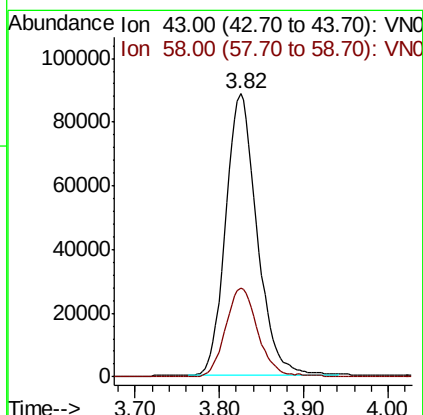
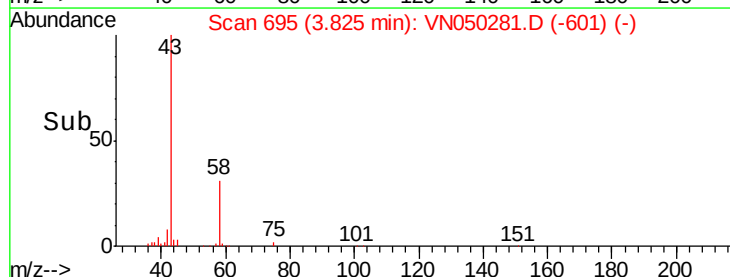
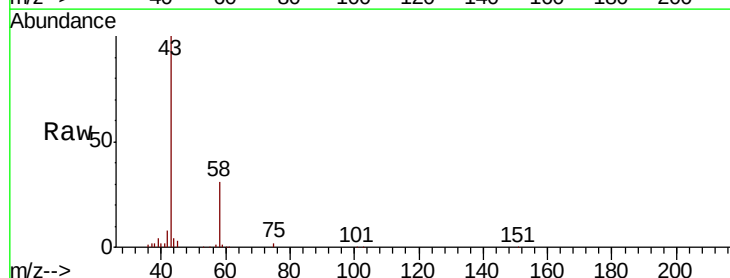
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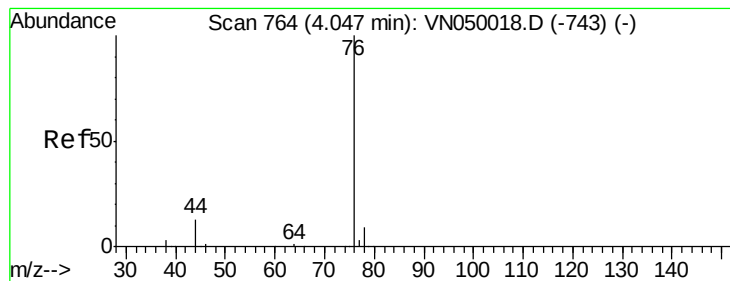
MMDadoda
 8/3/2018 9:36:55 AM



#16
 Acetone
 Concen: 115.318 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.8	38.8





#17

Carbon Disulfide

Concen: 16.610 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion: 76 Resp: 345524

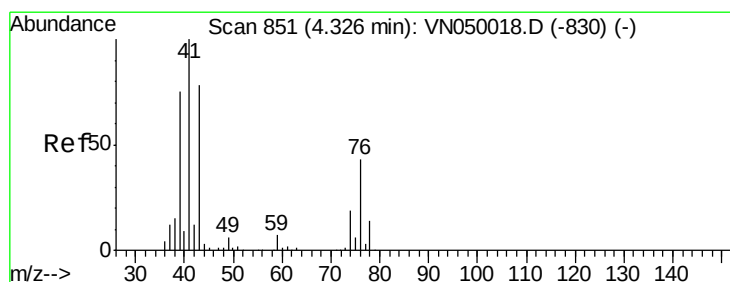
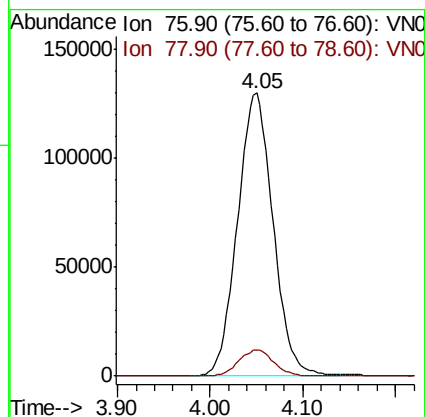
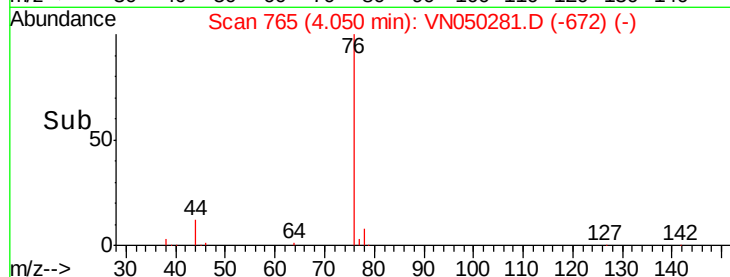
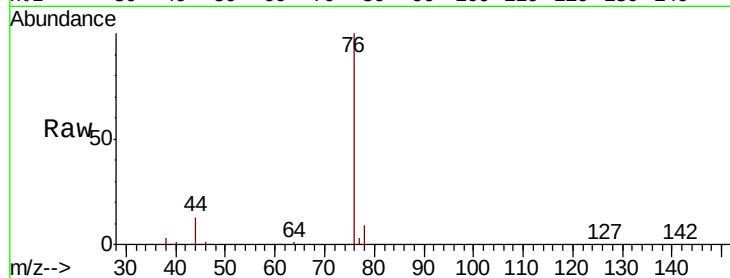
Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

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#18

Methyl Acetate

Concen: 29.323 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050281.D

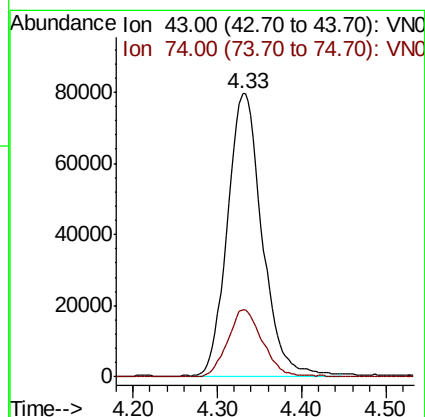
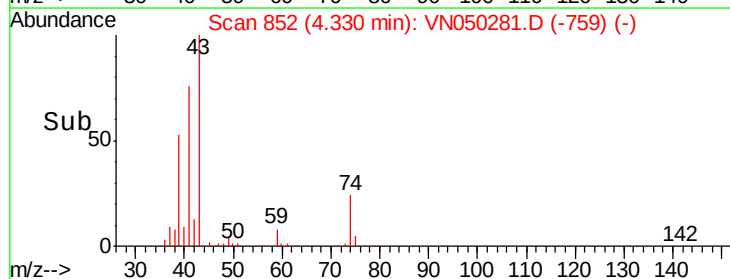
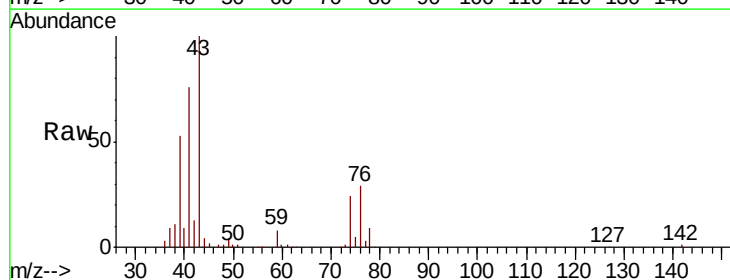
Acq: 2 Aug 2018 23:14

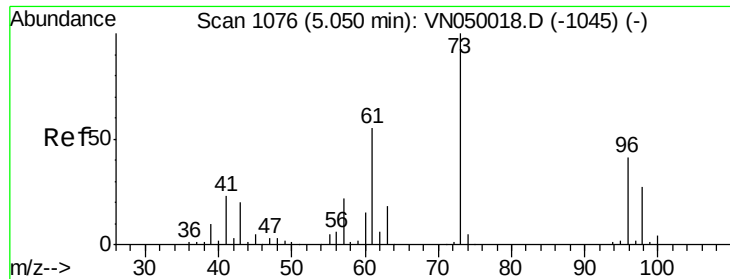
Tgt Ion: 43 Resp: 225905

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8





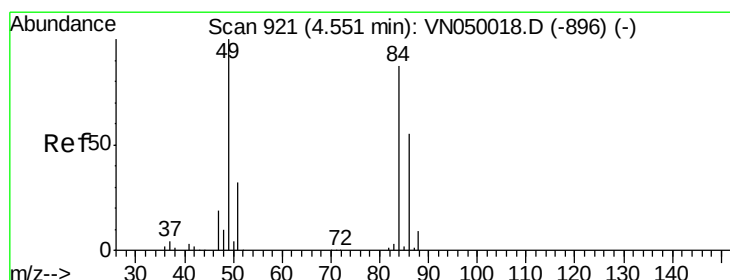
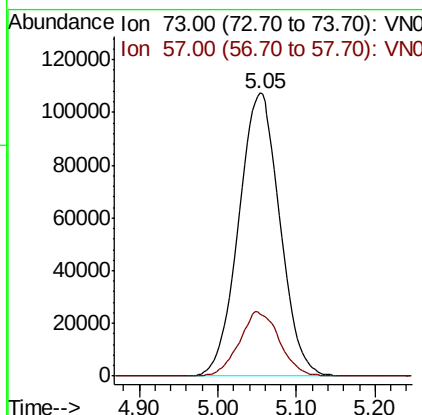
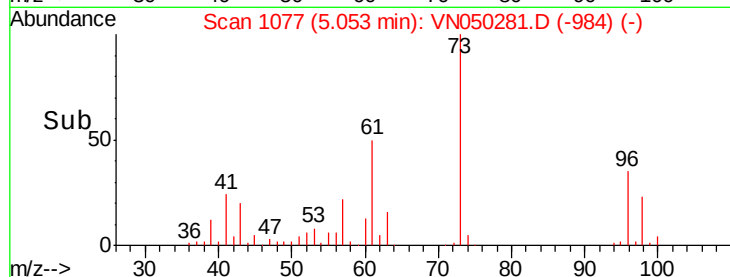
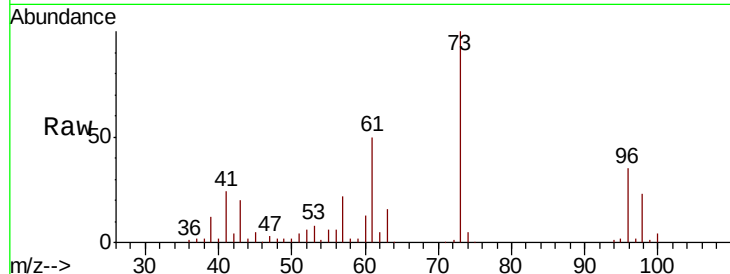
#19
Methvl tert-butyl Ether
Concen: 21.849 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion: 73 Resp: 395364
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

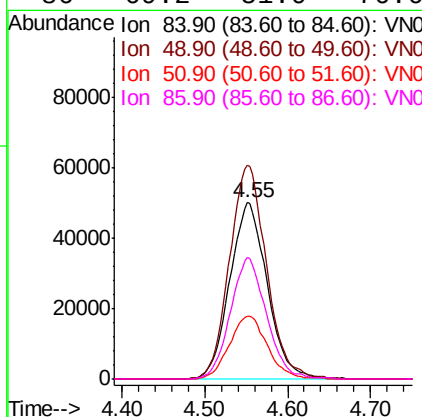
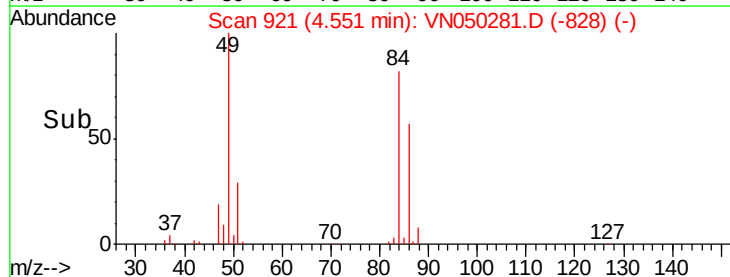
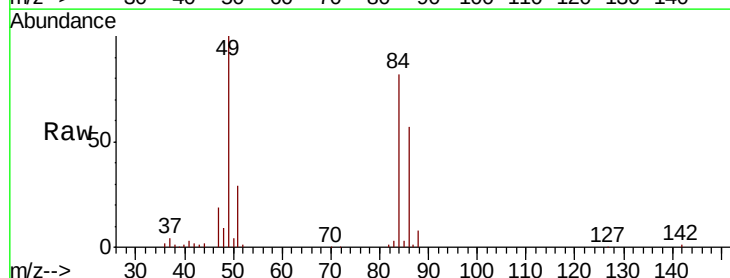
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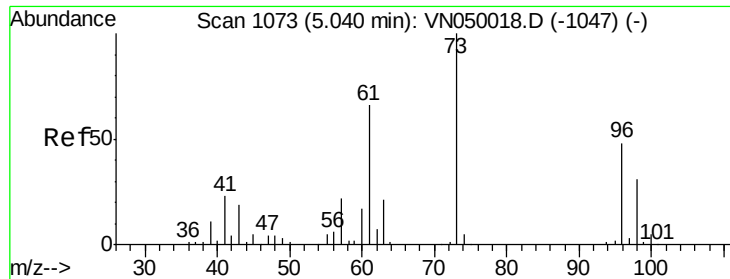
MMDadoda
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#20
Methylene Chloride
Concen: 20.840 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 84 Resp: 157215
Ion Ratio Lower Upper
84 100
49 121.2 94.8 142.2
51 35.7 28.3 42.5
86 69.2 51.0 76.6





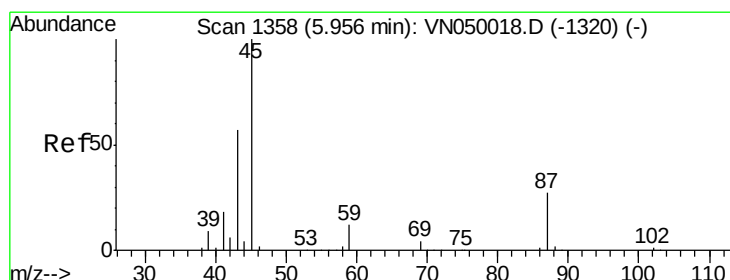
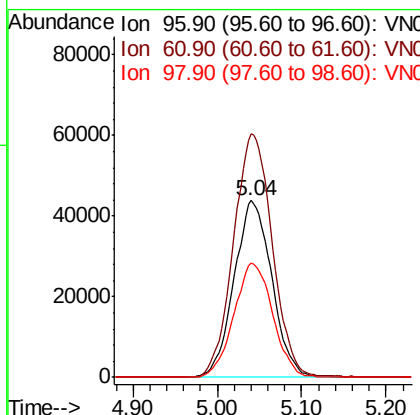
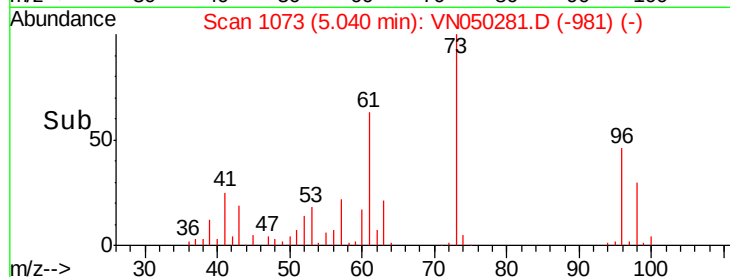
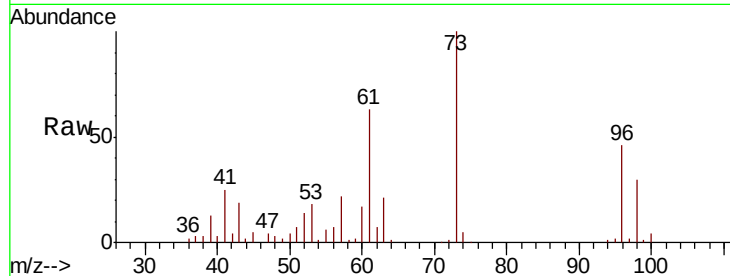
#21
trans-1,2-Dichloroethene
Concen: 19.003 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	110.7	166.1
98	64.4	51.6	77.4

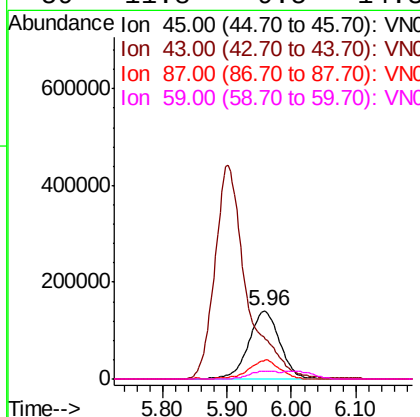
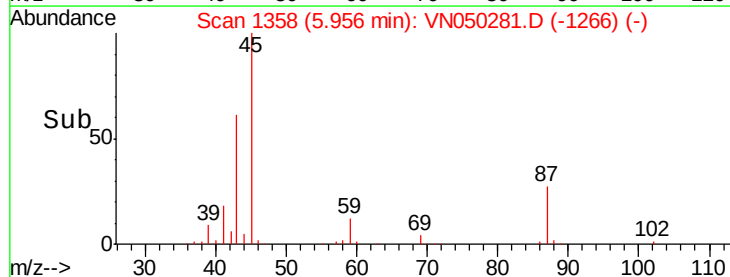
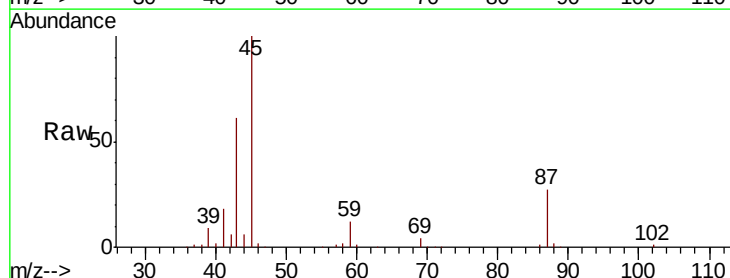
Manual Integrations
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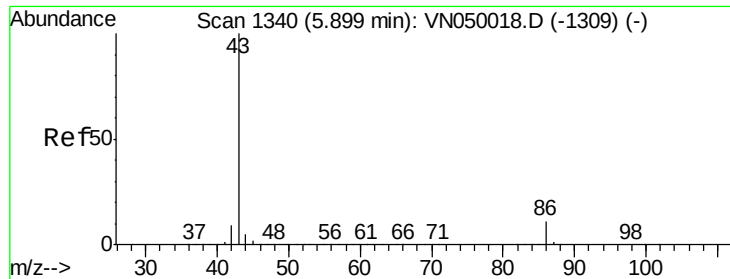
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#22
Diisopropyl ether
Concen: 22.589 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	45.7	68.5
87	26.8	22.7	34.1
59	11.8	9.5	14.3





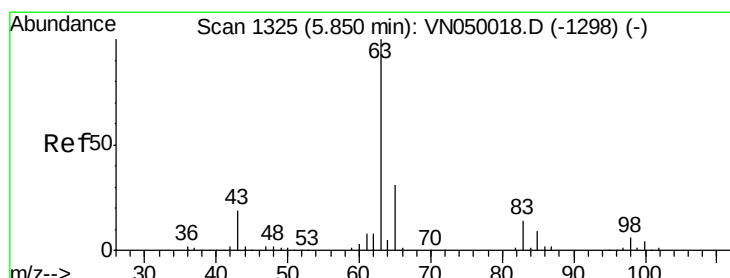
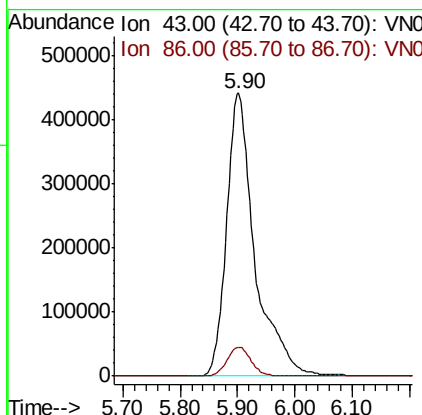
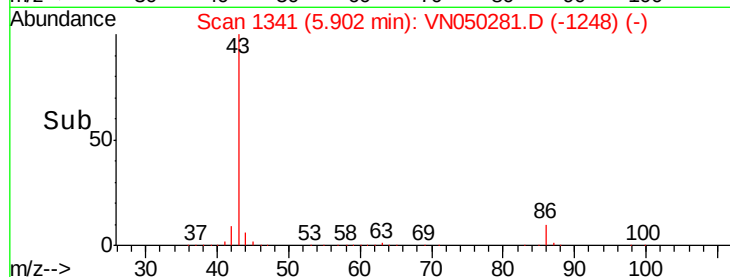
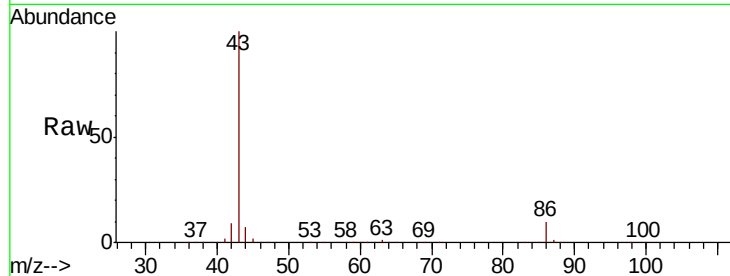
#23
Vinyl Acetate
Concen: 102.628 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion: 43 Resp: 1514142
Ion Ratio Lower Upper
43 100
86 10.3 8.6 13.0

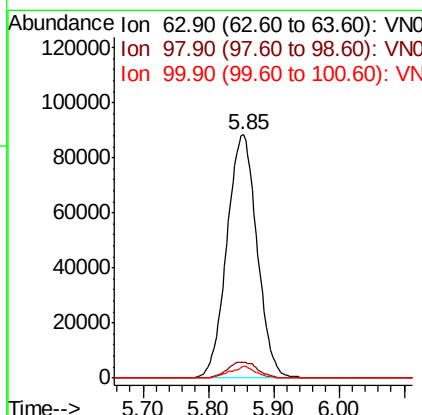
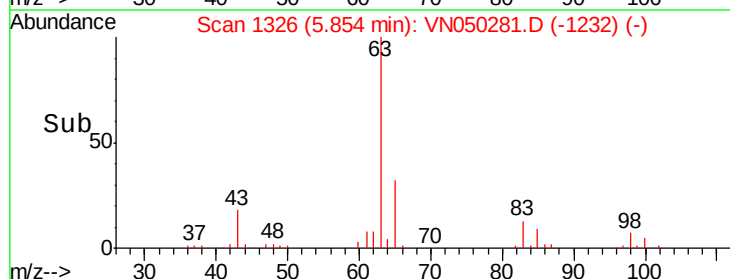
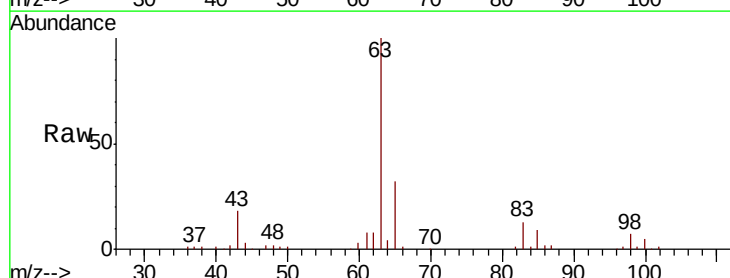
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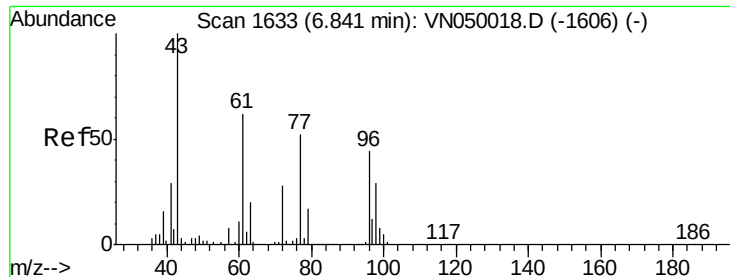
MMDadoda
8/3/2018 9:36:55 AM



#24
1,1-Dichloroethane
Concen: 20.743 ug/l
RT: 5.85 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 63 Resp: 283179
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 4.7 2.1 6.3





#25

2-Butanone

Concen: 113.203 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

Tot Ion: 43 Resp: 354929

Ion Ratio Lower Upper

43 100

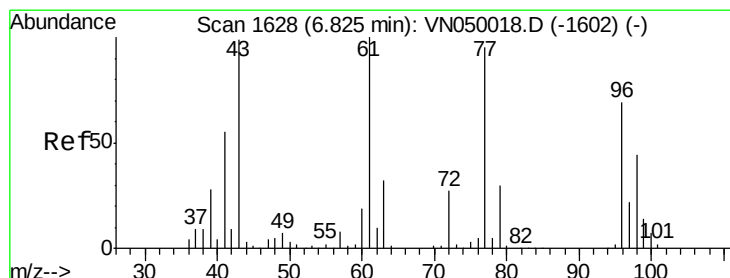
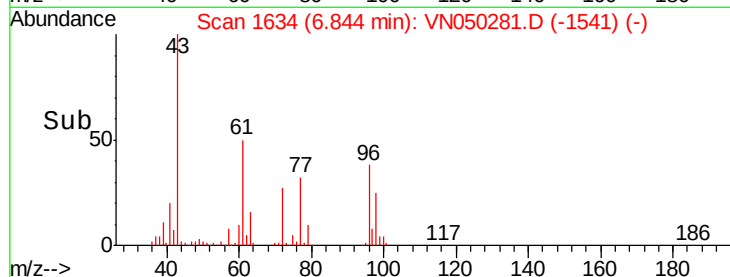
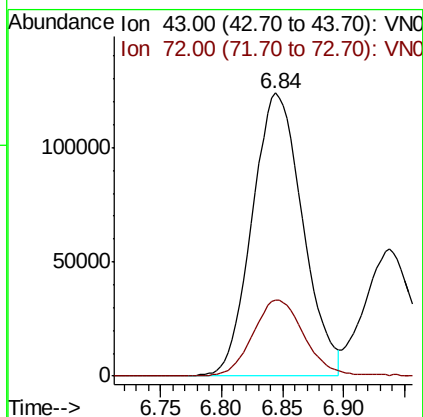
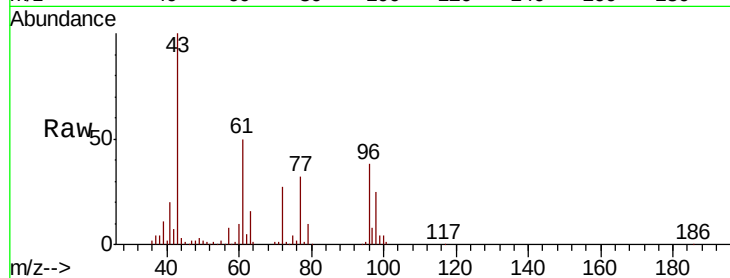
72 26.9 21.5 32.3

Manual Integrations

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MMDadoda

8/3/2018 9:36:55 AM



#26

2,2-Dichloropropane

Concen: 16.106 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050281.D

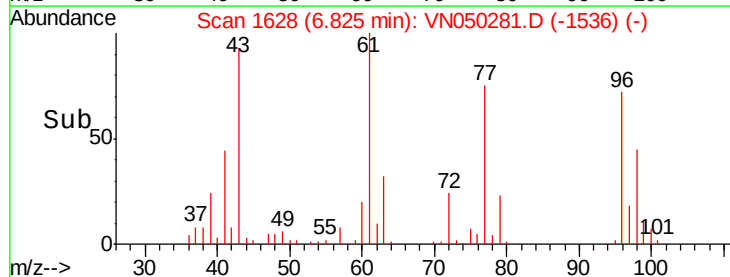
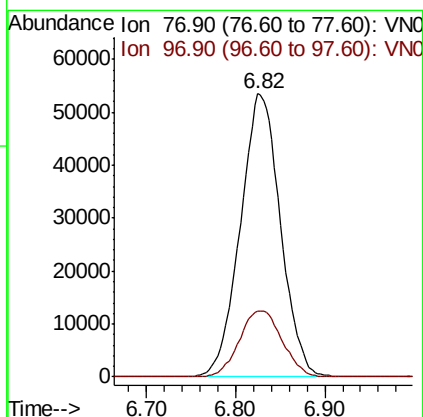
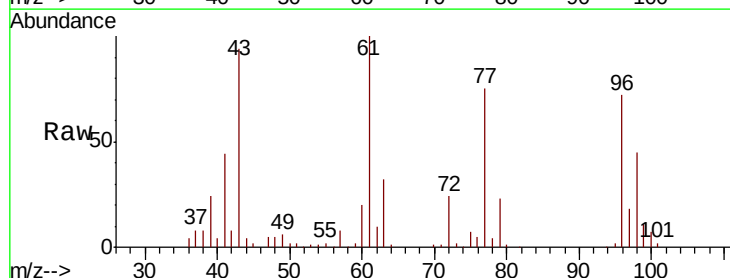
Acq: 2 Aug 2018 23:14

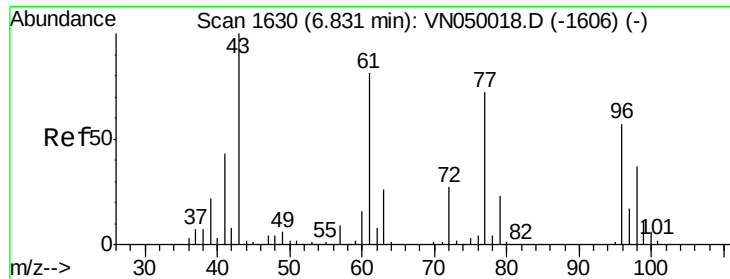
Tgt Ion: 77 Resp: 167273

Ion Ratio Lower Upper

77 100

97 24.8 11.8 35.3





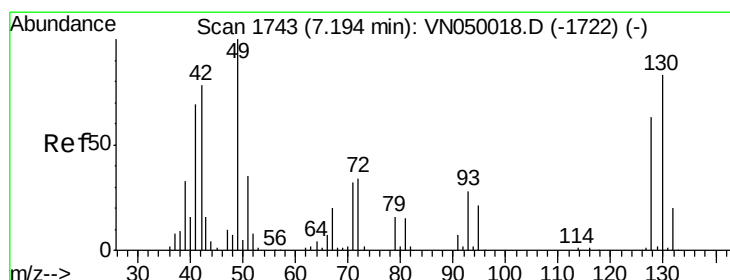
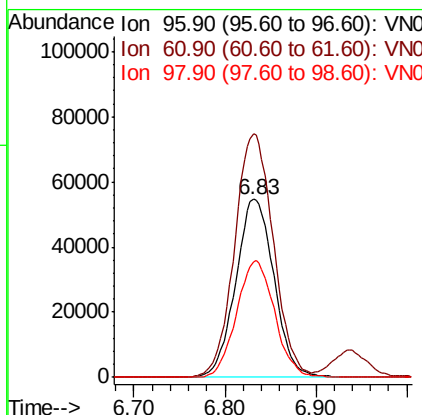
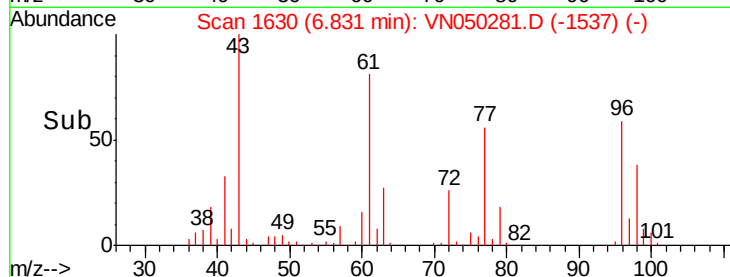
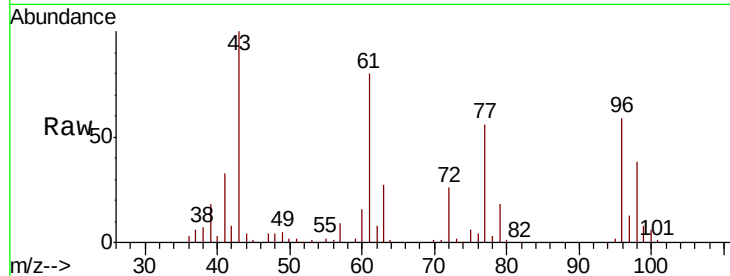
#27
 cis-1,2-Dichloroethene
 Concen: 20.633 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0802WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	159813		
61	138.3	0.0	285.0	
98	65.0	0.0	129.2	

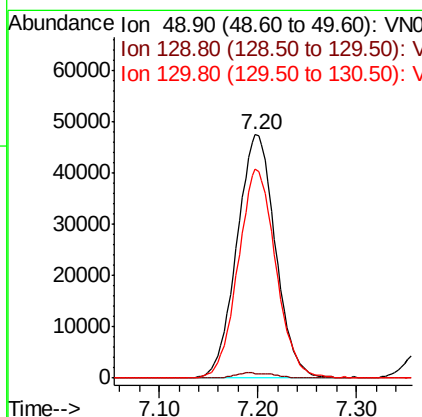
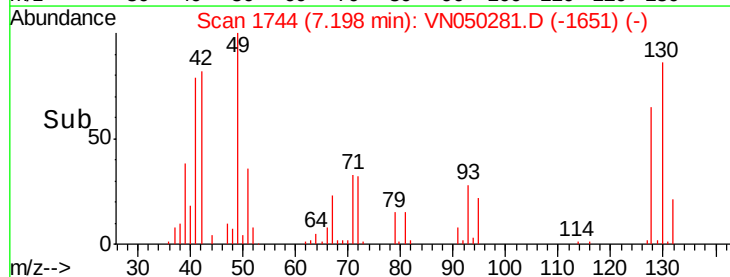
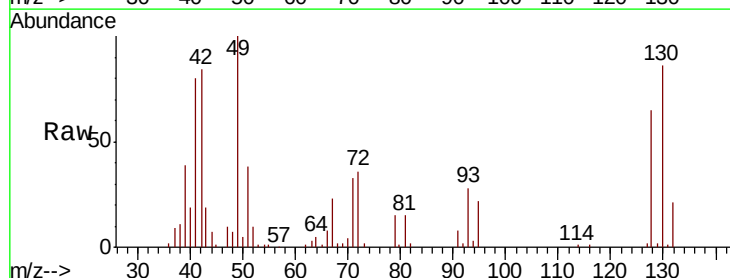
Manual Integrations
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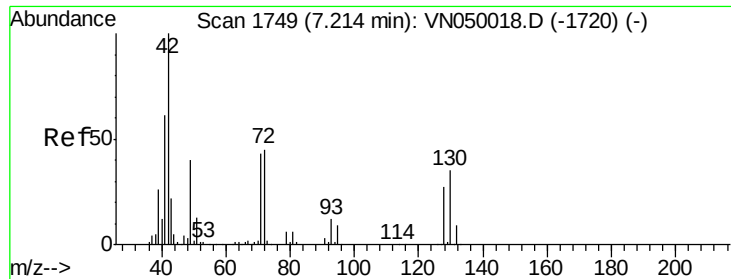
MMDadoda
 8/3/2018 9:36:55 AM



#28
 Bromochloromethane
 Concen: 20.632 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128474		
129	2.1	0.0	4.0	
130	84.2	66.3	99.5	





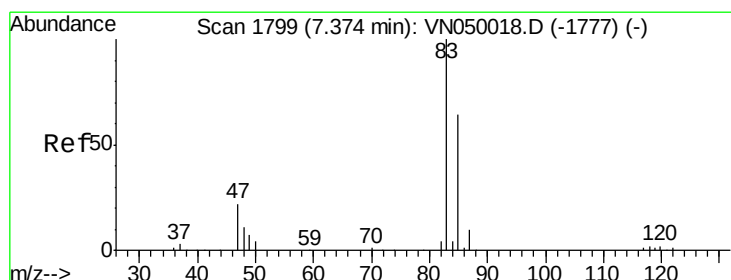
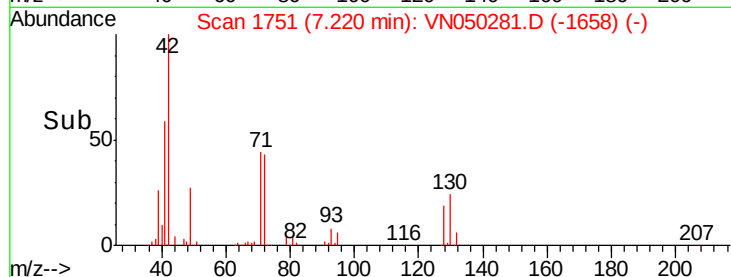
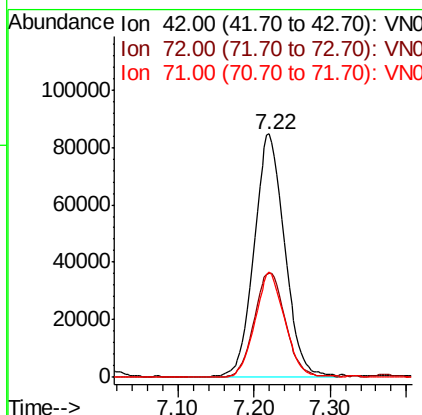
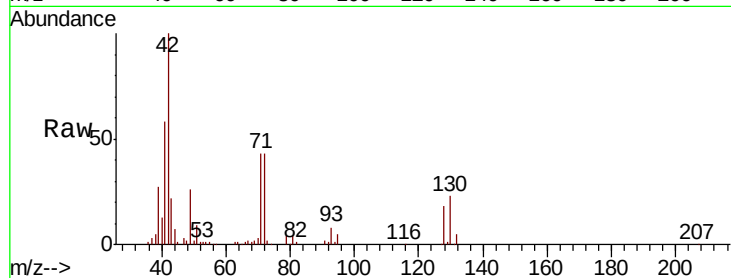
#29
Tetrahydrofuran
Concen: 115.957 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.9	53.9
71	42.0	33.7	50.5

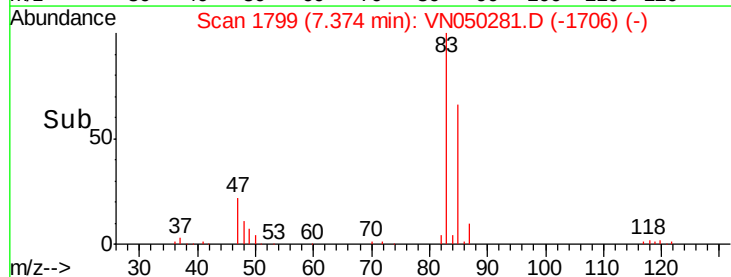
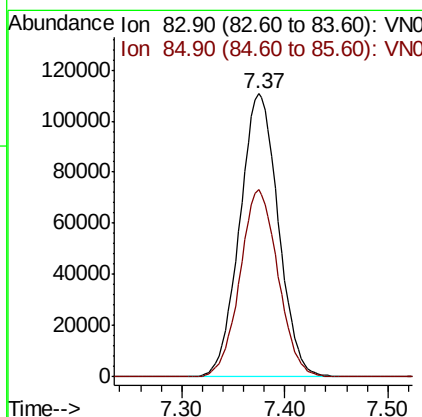
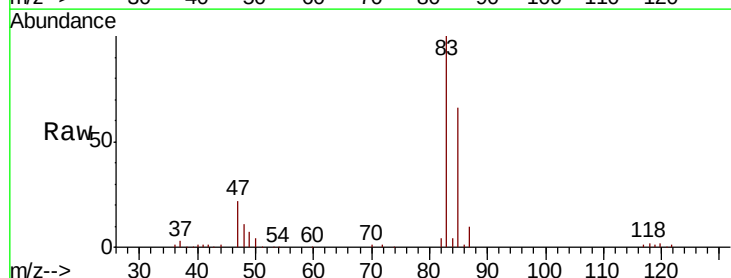
Manual Integrations
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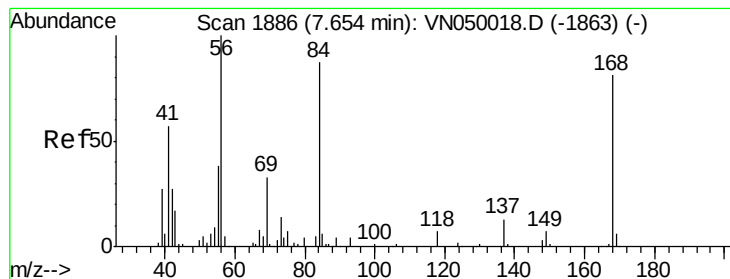
MMDadoda
8/3/2018 9:36:55 AM



#30
Chloroform
Concen: 20.659 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.5	78.7





#31

Cyclohexane

Concen: 18.964 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

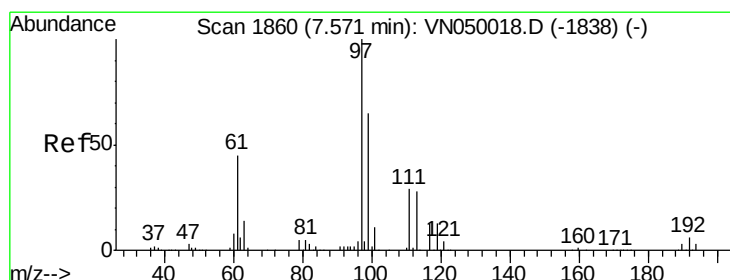
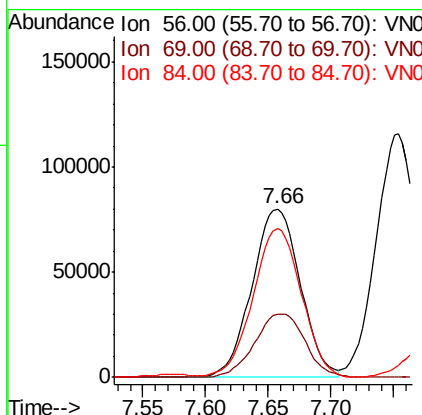
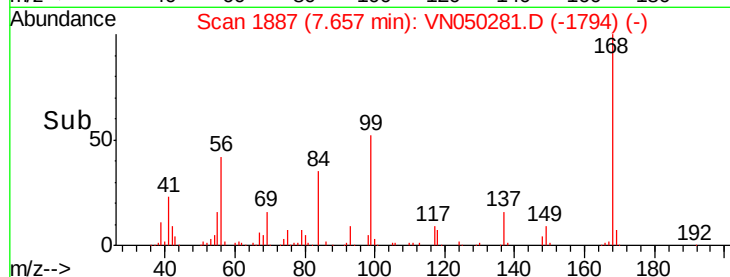
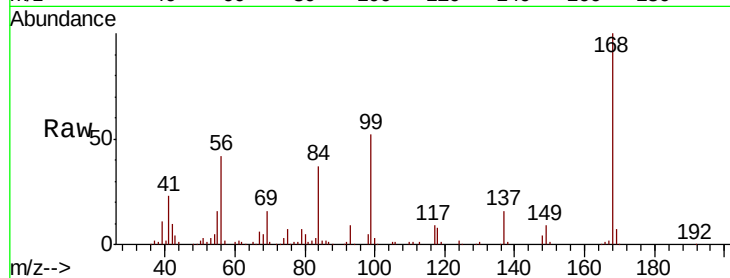
ClientSampled :

VN0802WBS02

Tot Ion:	56	Resp:	215185
Ion	Ratio	Lower	Upper
56	100		
69	37.9	26.2	39.4
84	87.3	67.4	101.0

Manual Integrations
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8/3/2018 9:36:55 AM



#32

1,1,1-Trichloroethane

Concen: 20.492 ug/l

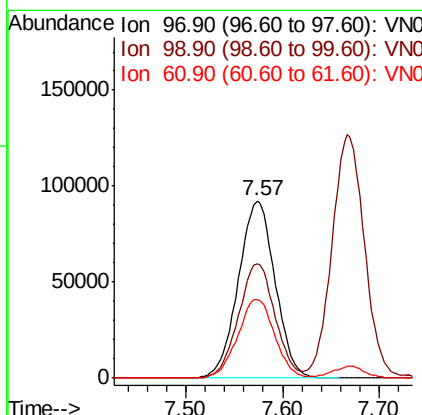
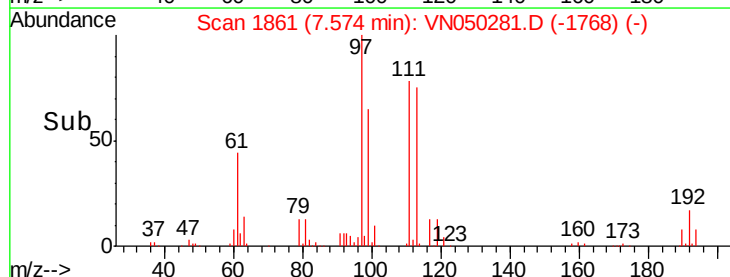
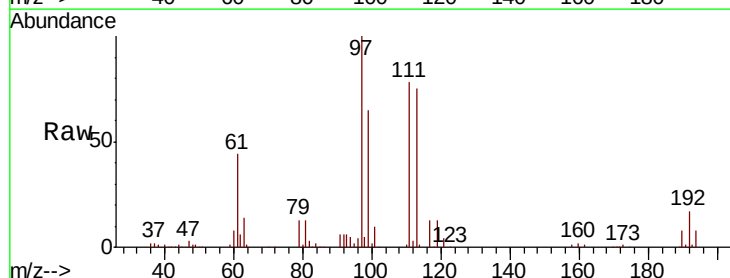
RT: 7.57 min Scan# 1861

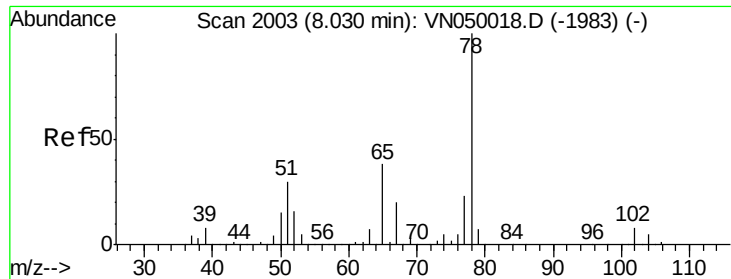
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	97	Resp:	244190
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	44.5	35.4	53.0





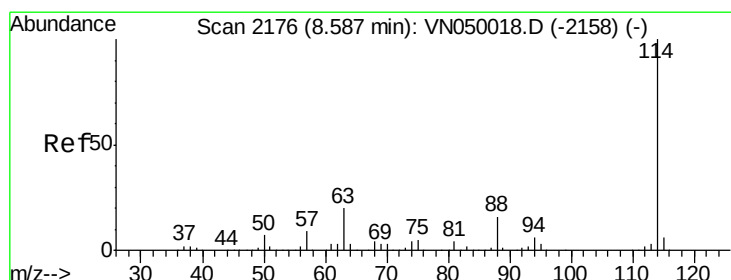
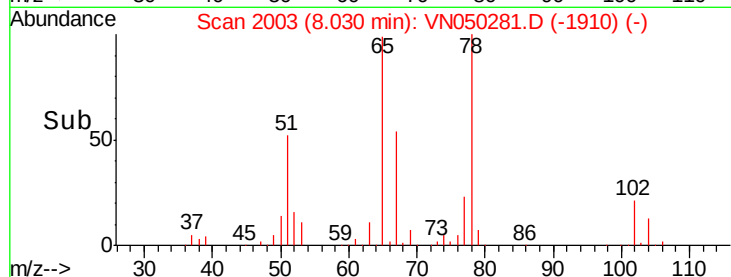
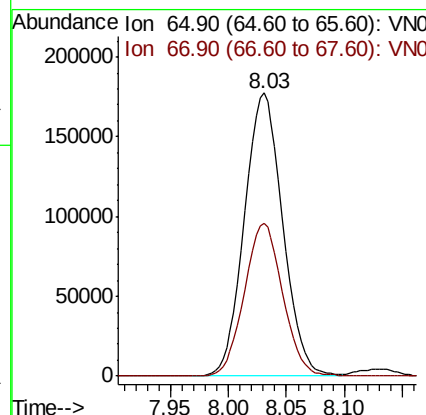
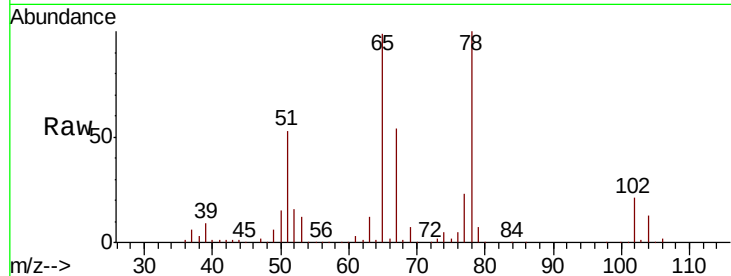
#33
 1,2-Dichloroethane-d4
 Concen: 49.809 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	108.4	

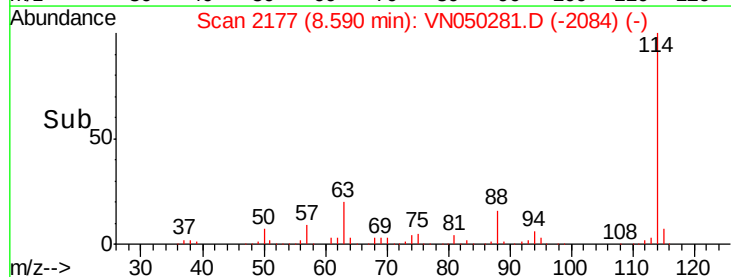
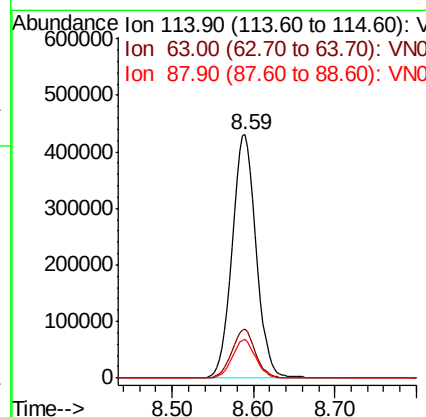
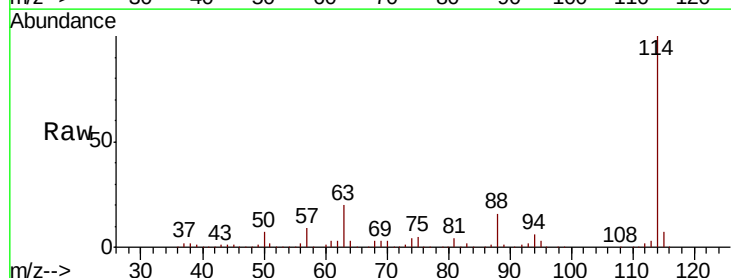
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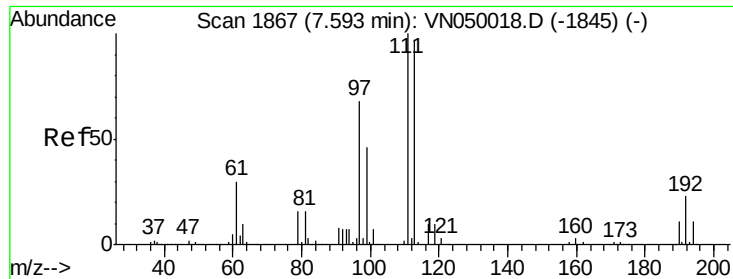
MMDadoda
 8/3/2018 9:36:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.7	0.0	31.2	





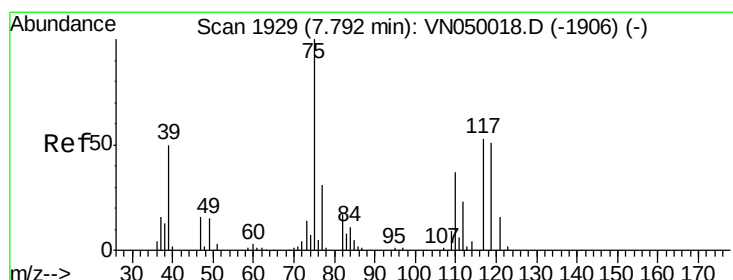
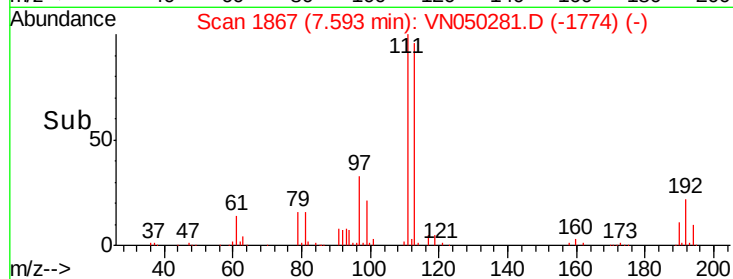
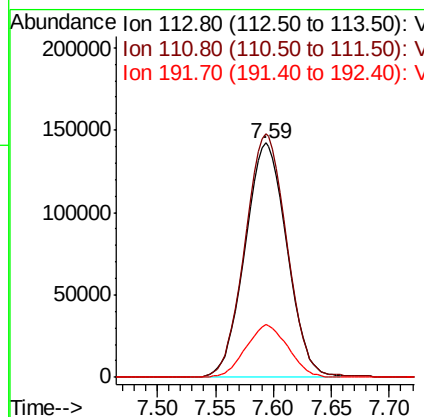
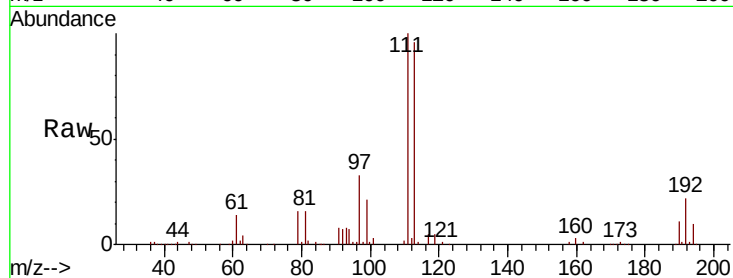
#35
 Dibromofluoromethane
 Concen: 49.101 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357719		
111	104.3	80.7	121.1	
192	22.6	17.8	26.6	

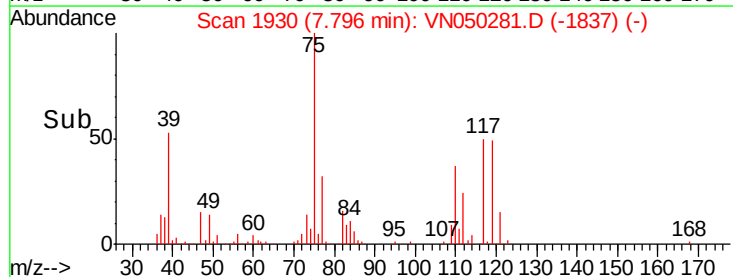
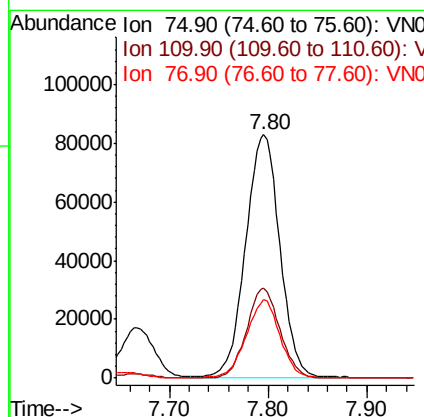
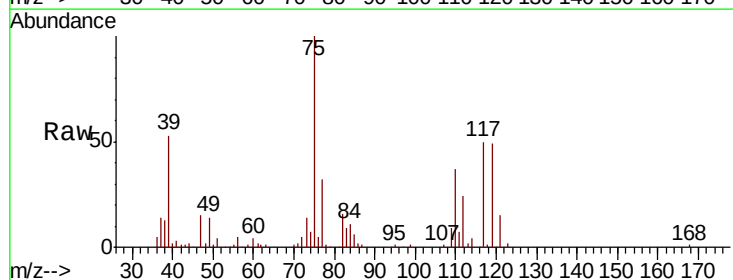
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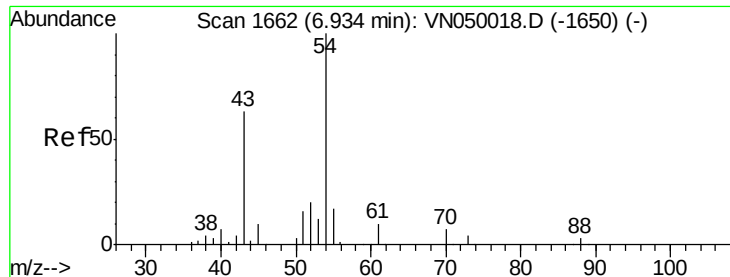
MMDadoda
 8/3/2018 9:36:55 AM



#36
 1,1-Dichloropropene
 Concen: 19.669 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197730		
110	36.0	18.4	55.2	
77	32.1	25.3	37.9	





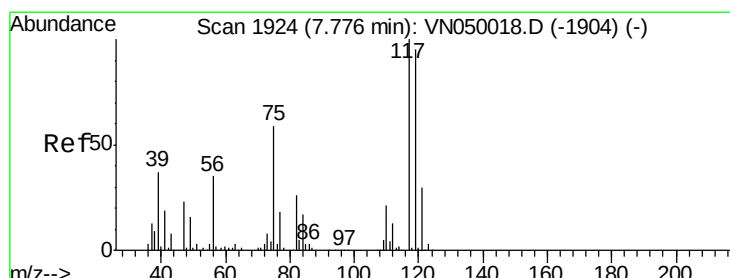
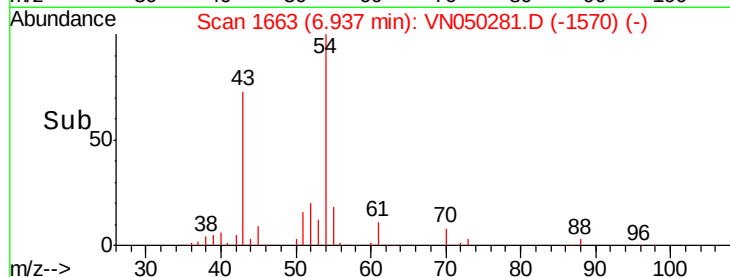
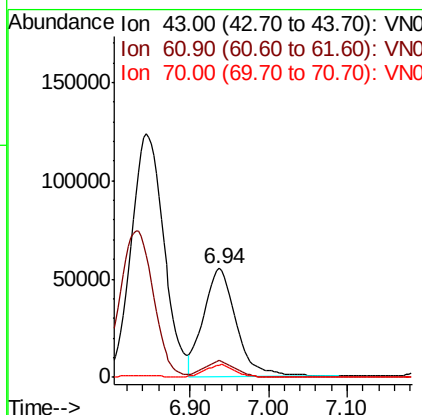
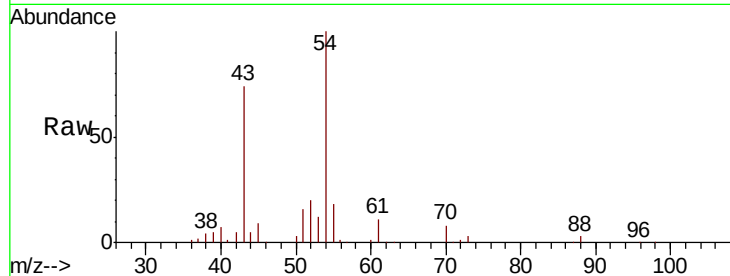
#37
Ethyl Acetate
Concen: 22.469 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.7	8.4	12.6

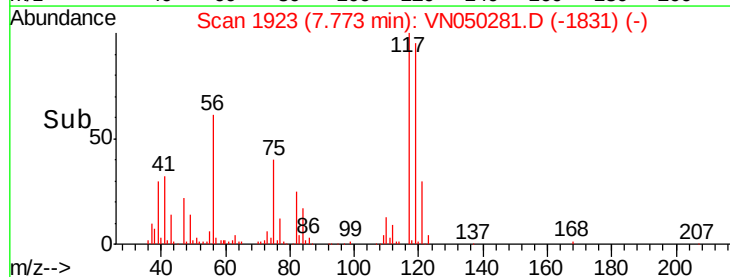
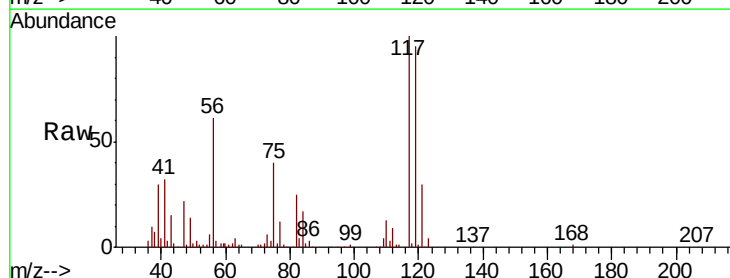
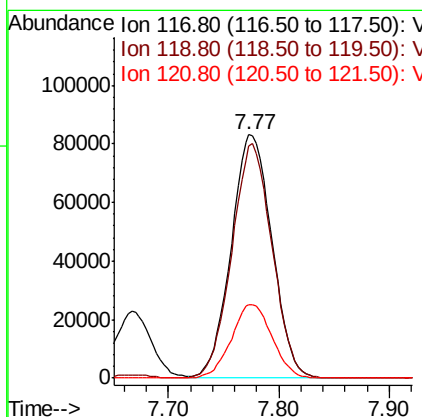
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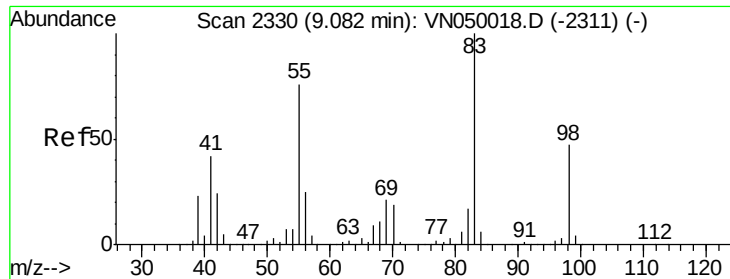
MMDadoda
8/3/2018 9:36:55 AM



#38
Carbon Tetrachloride
Concen: 20.025 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	30.3	23.9	35.9





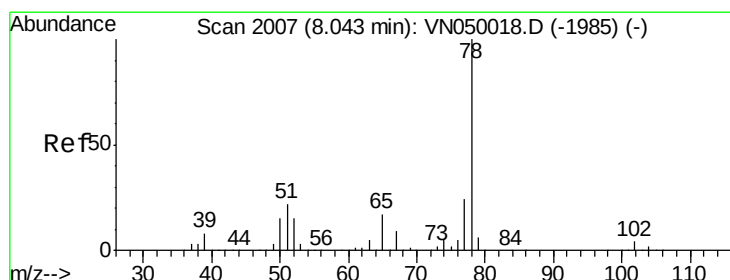
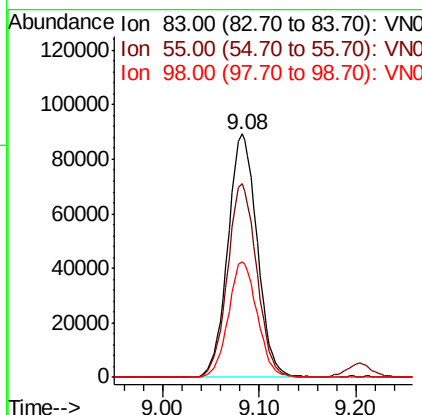
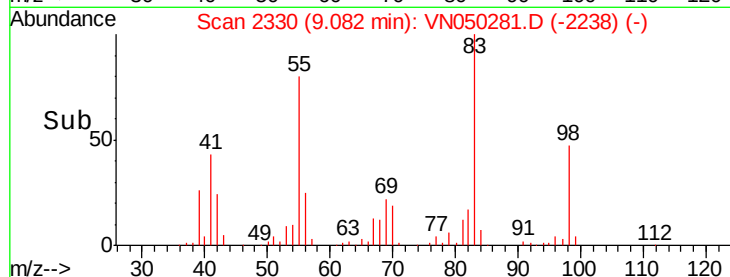
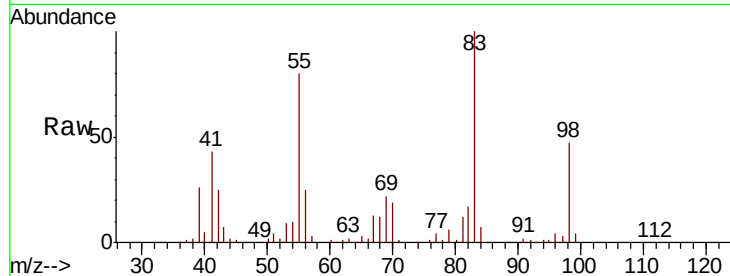
#39
Methylvlcyclohexane
Concen: 18.175 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	83	Resp	187967
Ion Ratio	100	Lower	Upper
83	100		
55	79.7	61.8	92.8
98	47.3	36.5	54.7

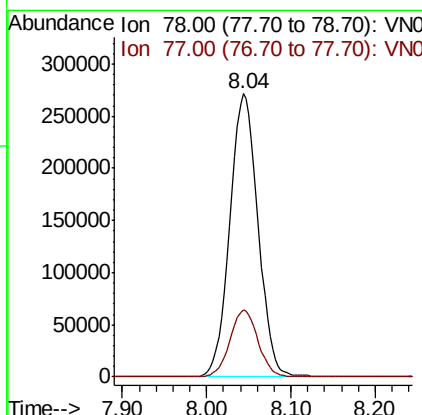
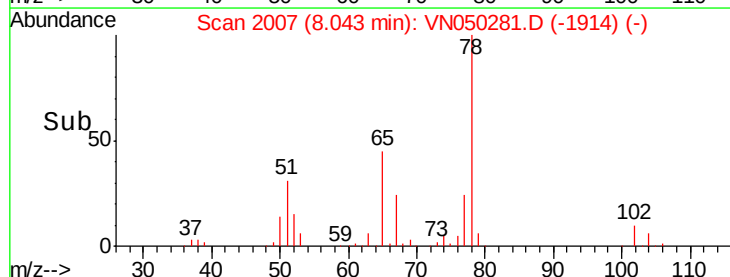
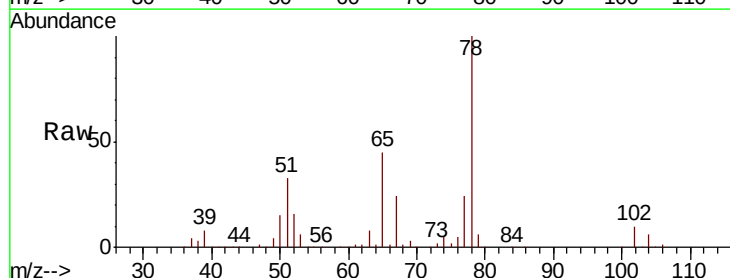
Manual Integrations
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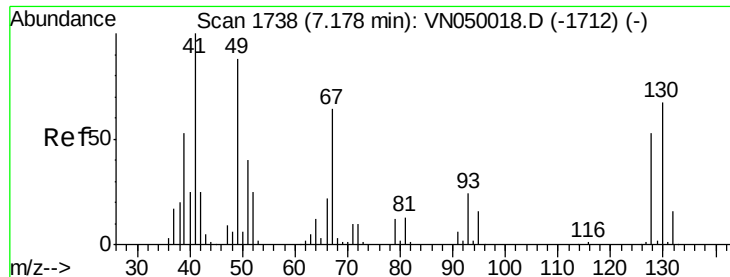
MMDadoda
8/3/2018 9:36:55 AM



#40
Benzene
Concen: 20.635 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	78	Resp	631243
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.7	28.1





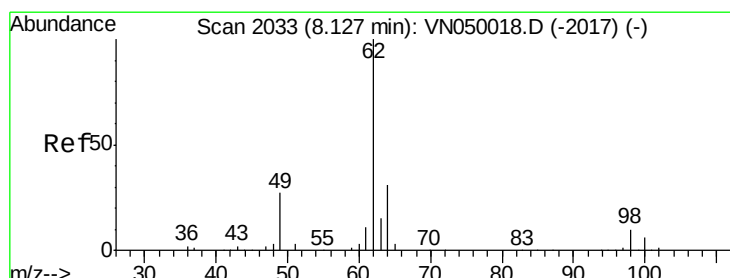
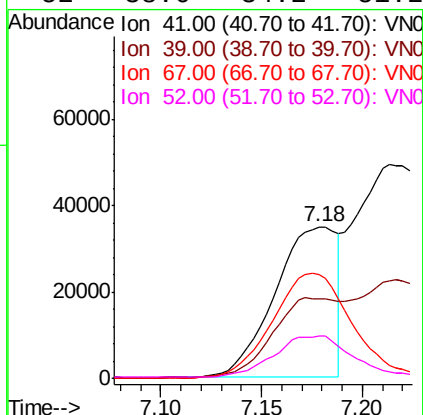
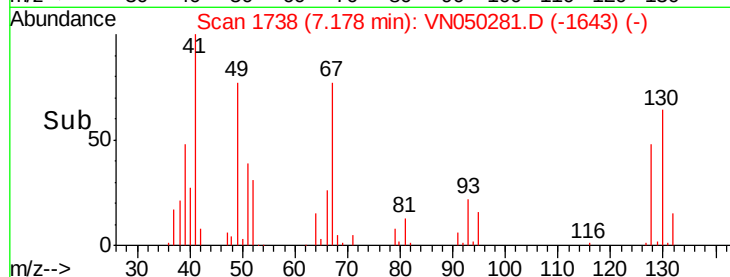
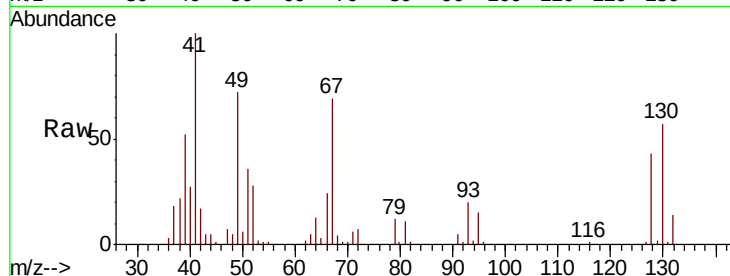
#41
Methacrylonitrile
Concen: 22.106 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	55.8	83.6#
67	89.5	84.3	126.5
52	38.6	34.2	51.2

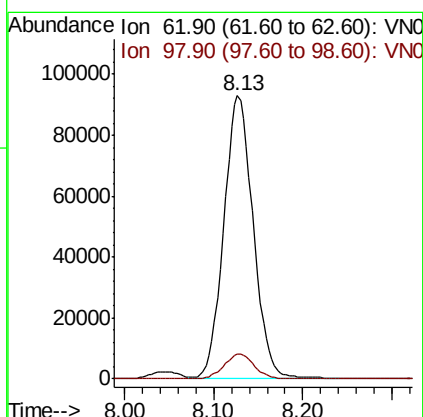
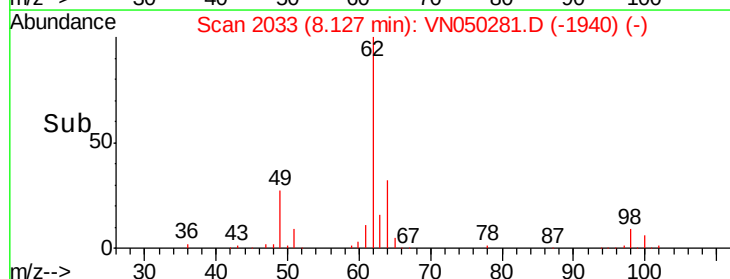
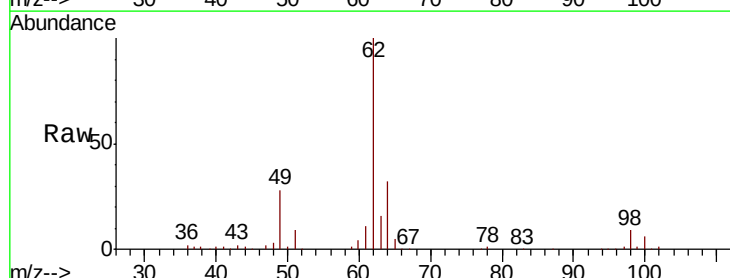
Manual Integrations
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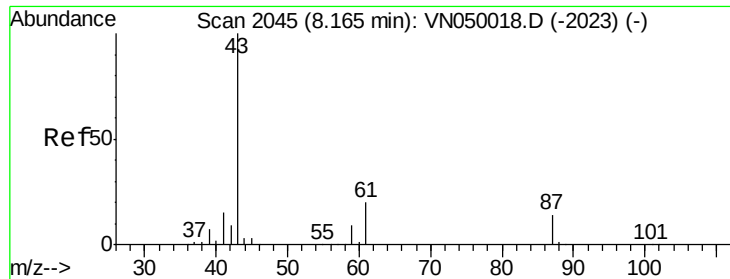
MMDadoda
8/3/2018 9:36:55 AM



#42
1,2-Dichloroethane
Concen: 20.671 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8





#43

Isopropyl Acetate

Concen: 23.197 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

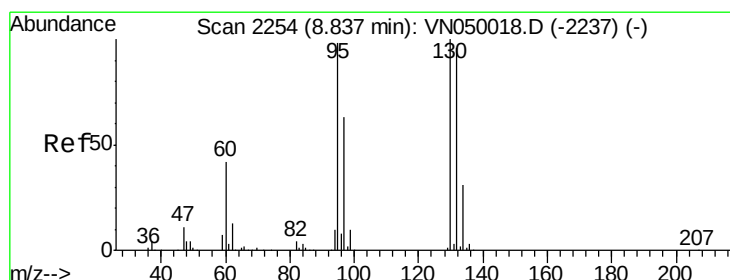
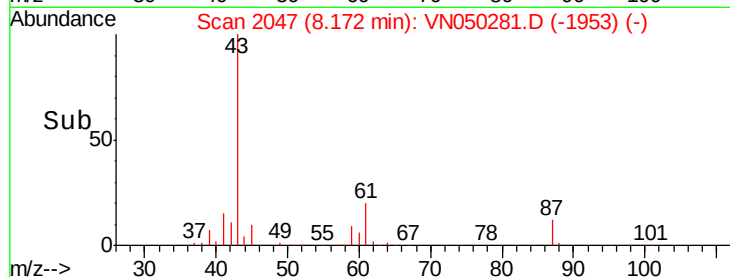
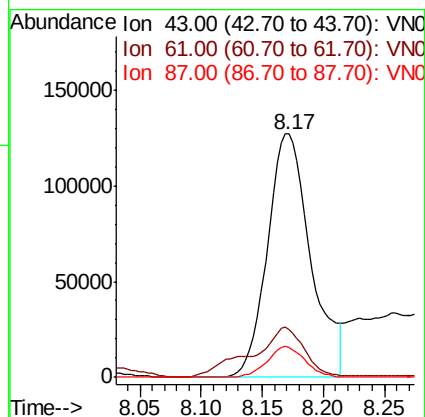
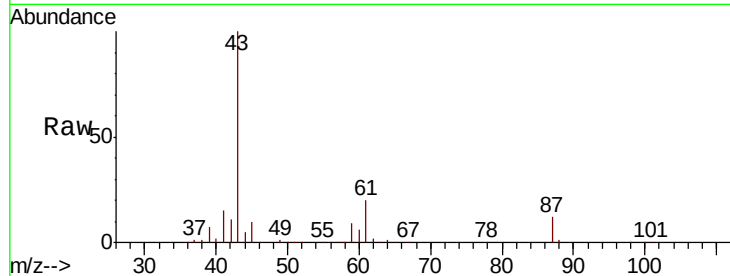
ClientSampleId :

VN0802WBS02

Tot Ion:	43	Resp:	314462
Ion	Ratio	Lower	Upper
43	100		
61	24.7	15.8	23.6#
87	11.2	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 19.964 ug/l

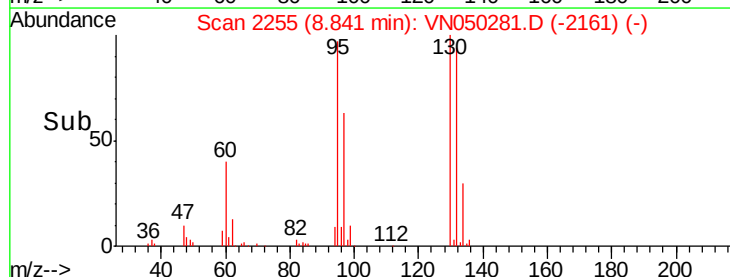
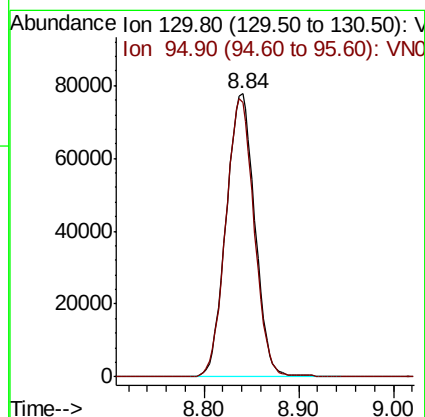
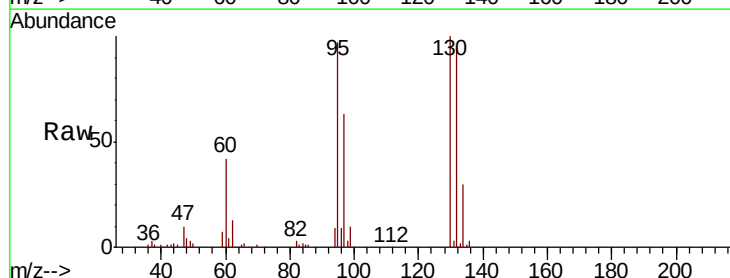
RT: 8.84 min Scan# 2255

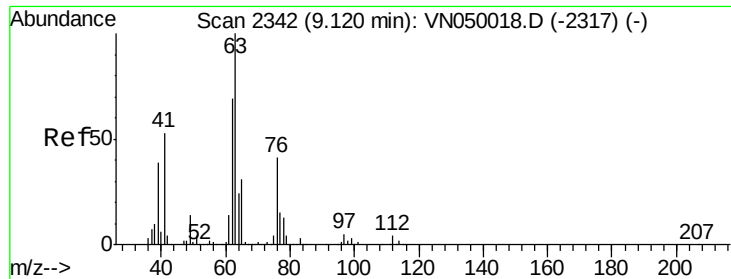
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	130	Resp:	164104
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.6





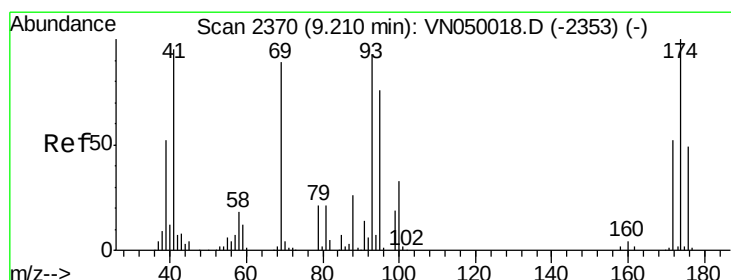
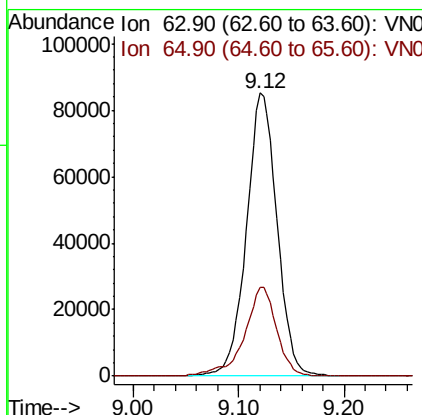
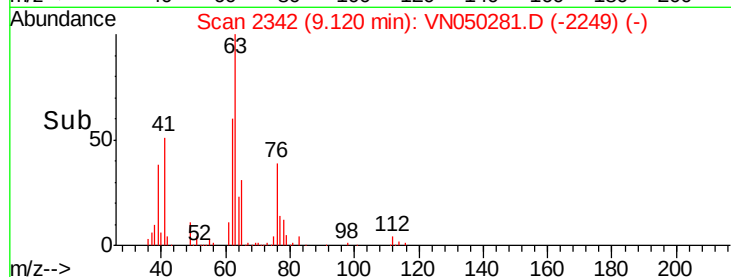
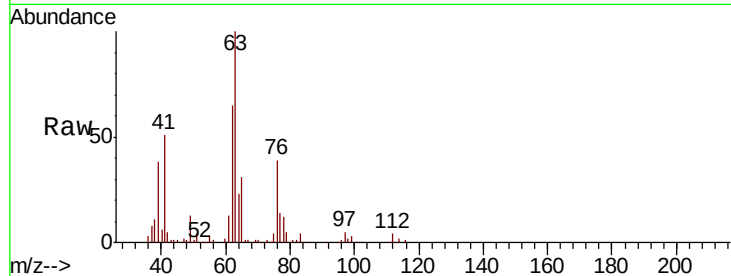
#45
 1,2-Dichloropropane
 Concen: 21.275 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.5	38.3

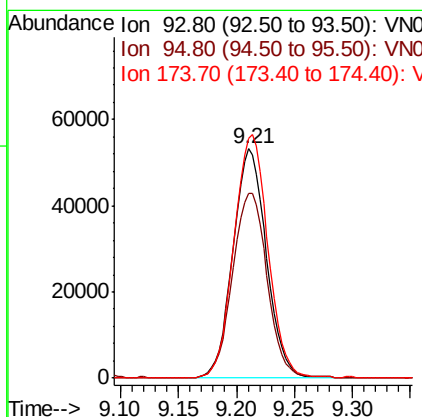
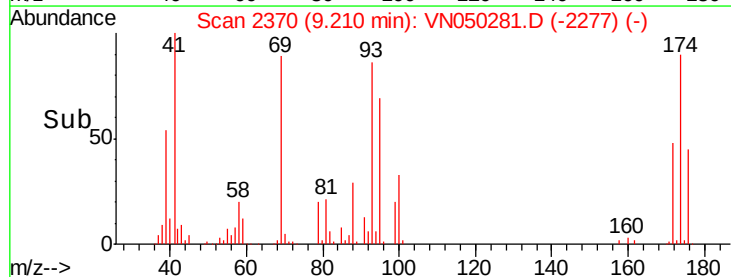
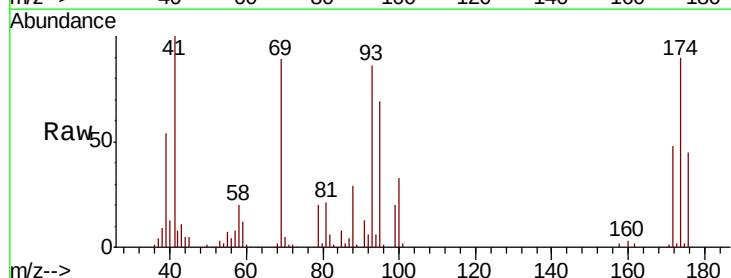
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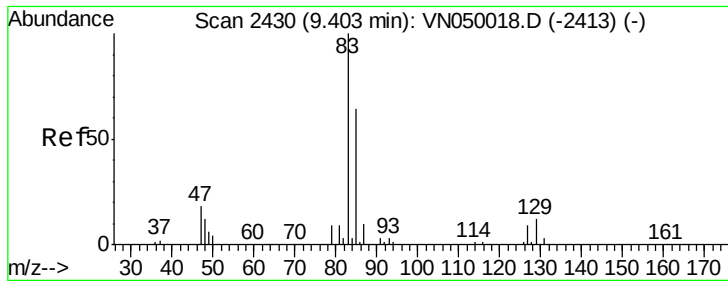
MMDadoda
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#46
 Dibromomethane
 Concen: 21.216 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.6	100.0
174	108.1	87.1	130.7





#47

Bromodichloromethane

Concen: 20.797 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

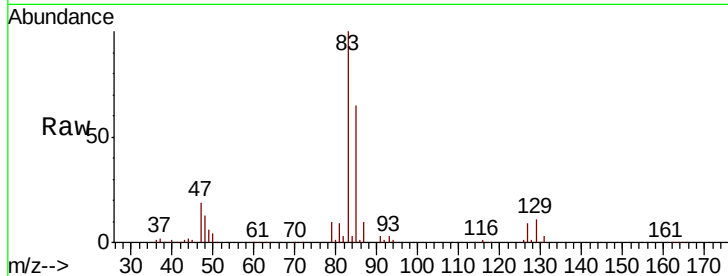
ClientSampled :

VN0802WBS02

Tot Ion:	83	Resp:	220836
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.1	76.7
127	9.4	7.0	10.4

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Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050018.D (-2413) (-)

9.41

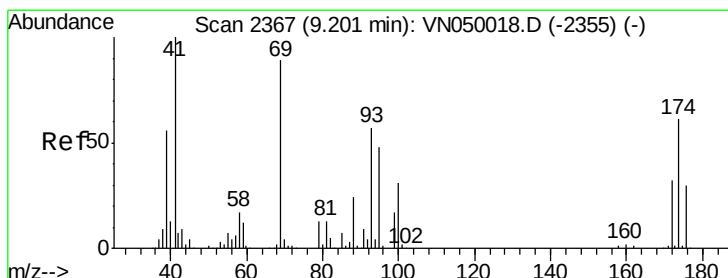
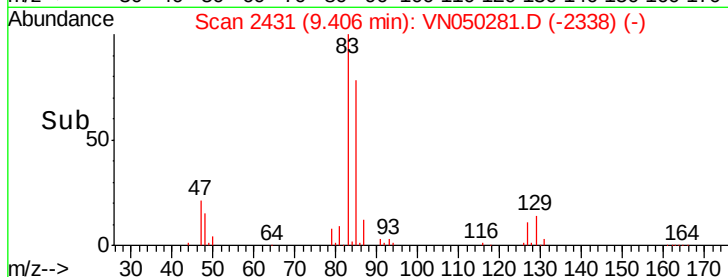
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 22.217 ug/l

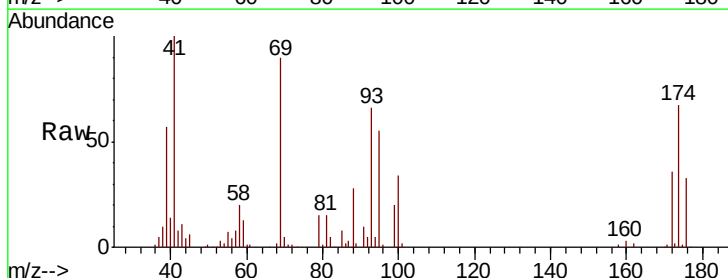
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	41	Resp:	134111
Ion Ratio	Lower	Upper	
41	100		
69	87.9	70.6	105.8
39	53.5	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050018.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050018.D (-2355) (-)

9.20

80000

60000

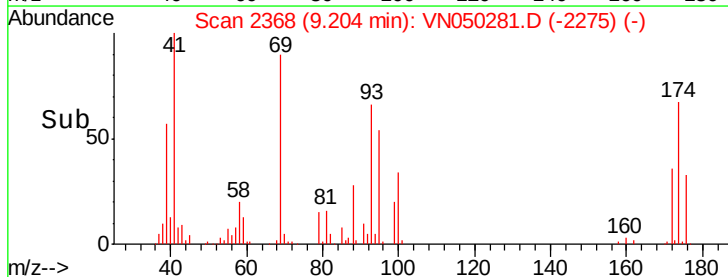
40000

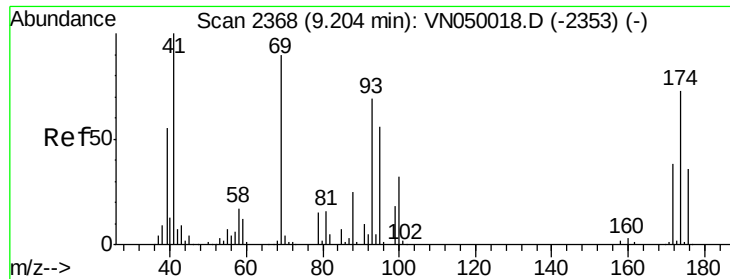
20000

0

9.15 9.20 9.25

Time-->





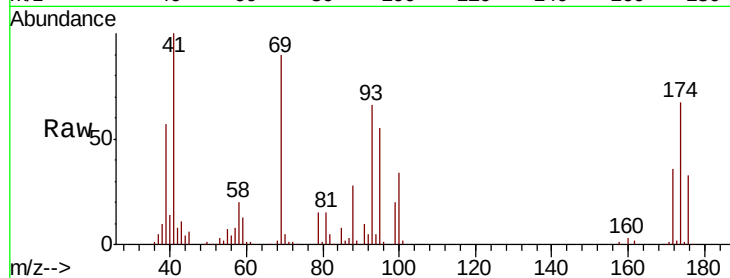
#49
 1,4-Dioxane
 Concen: 495.205 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

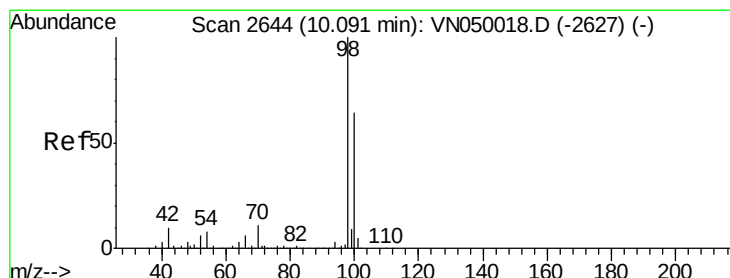
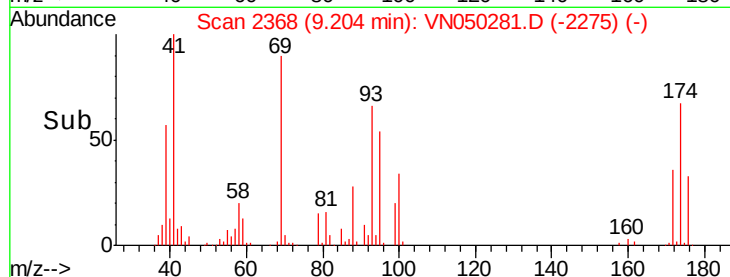
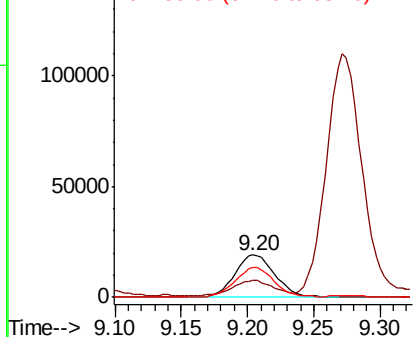
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	68.7	57.3	85.9

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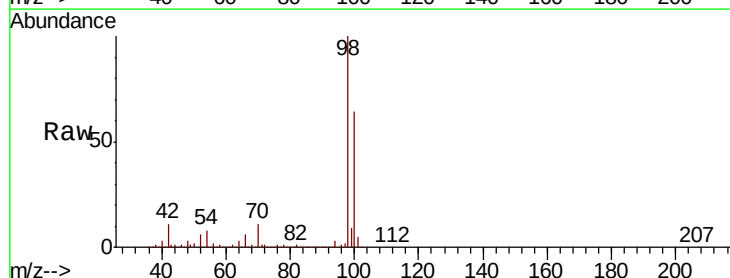


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

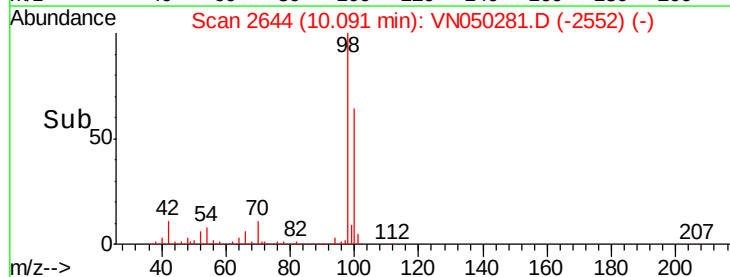
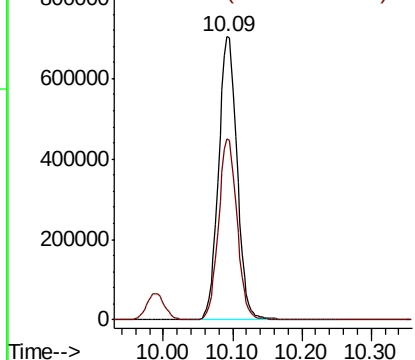


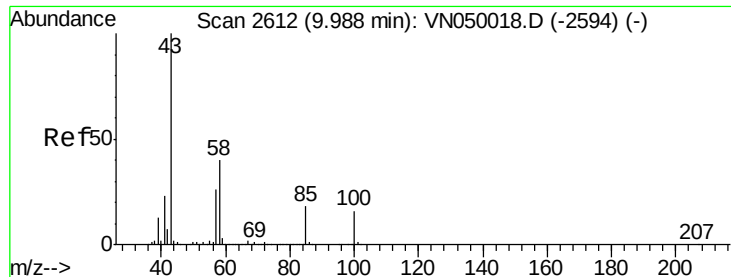
#50
 Toluene-d8
 Concen: 48.886 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





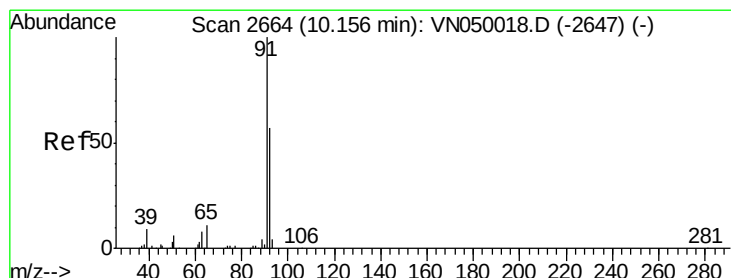
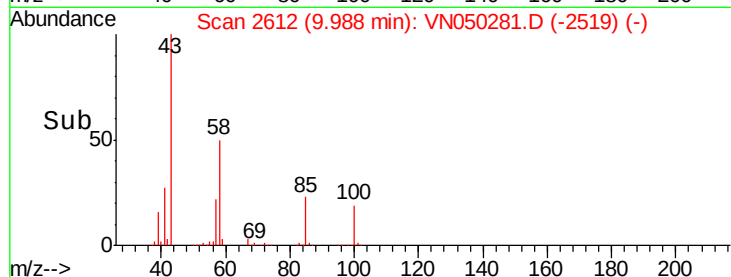
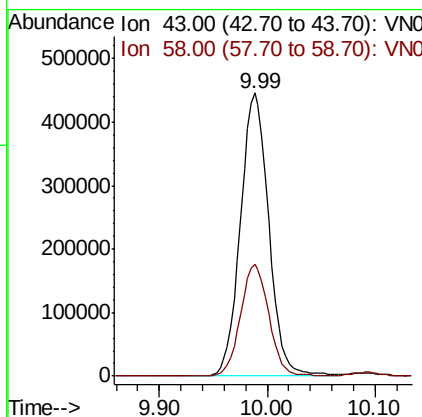
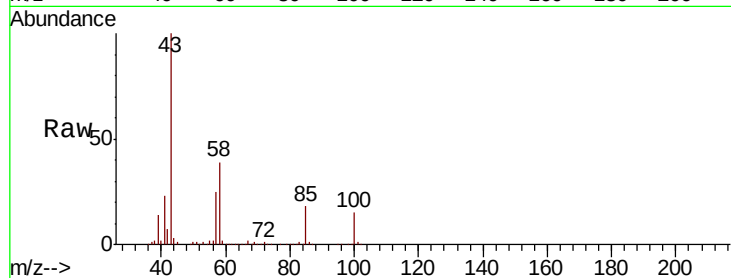
#51
4-Methyl-2-Pentanone
Concen: 117.917 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	43	Resp	812470
Ion Ratio	100	Lower	Upper
43	100		
58	39.8	31.9	47.9

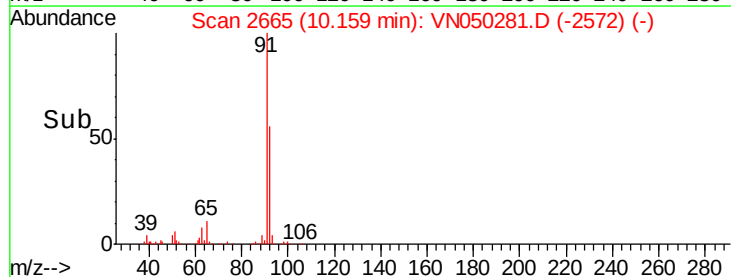
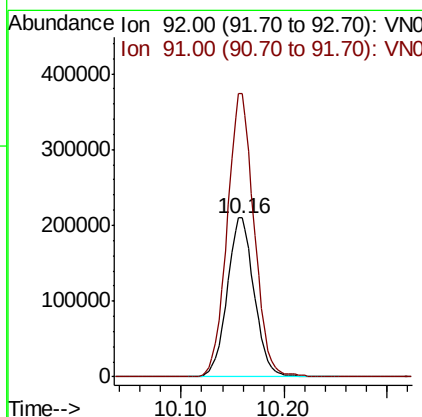
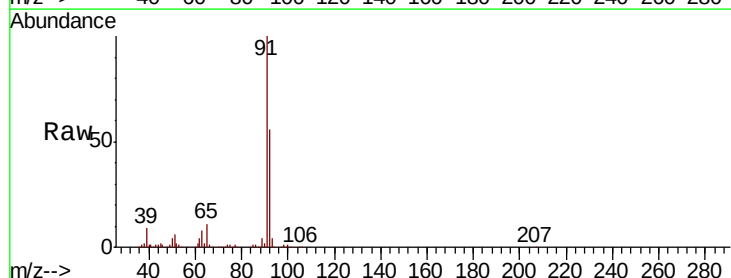
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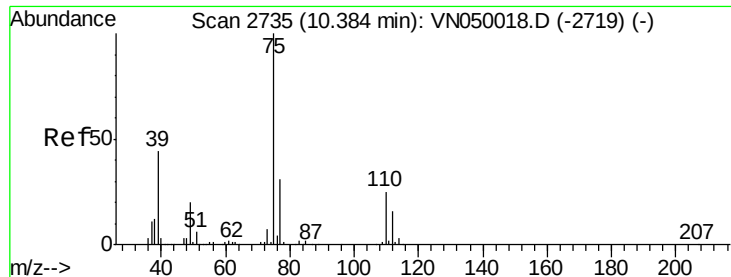
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#52
Toluene
Concen: 21.200 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	92	Resp	382818
Ion Ratio	100	Lower	Upper
92	100		
91	177.6	140.3	210.5





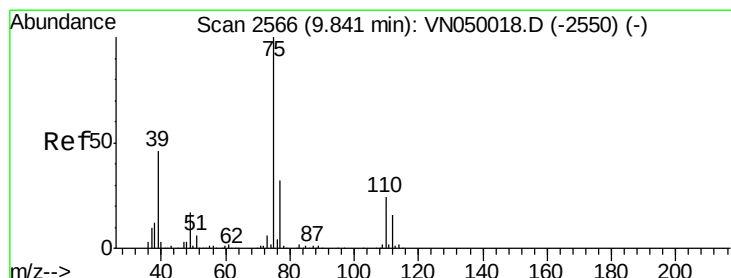
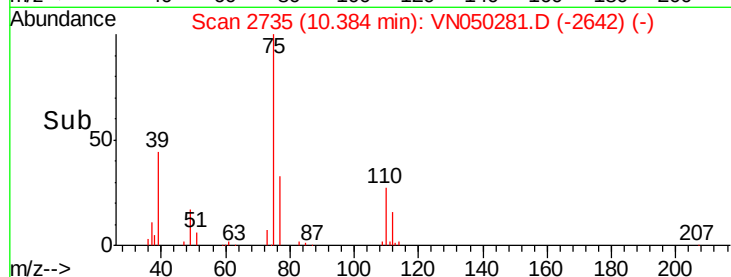
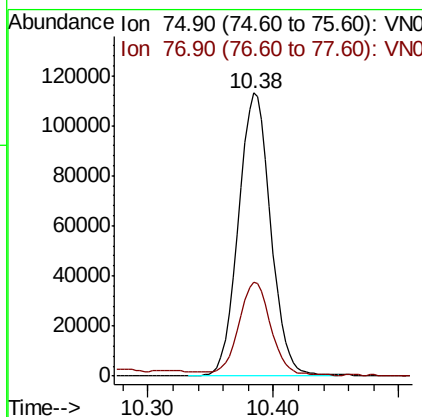
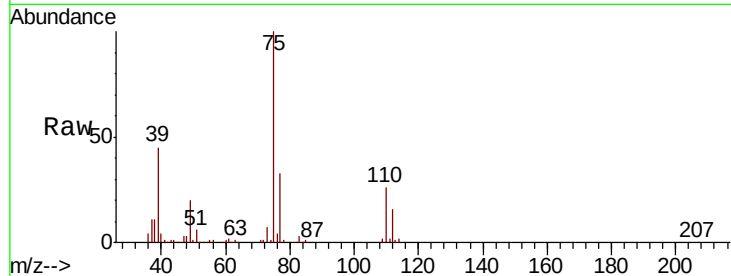
#53
t-1,3-Dichloropropene
Concen: 20.235 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.9	37.3

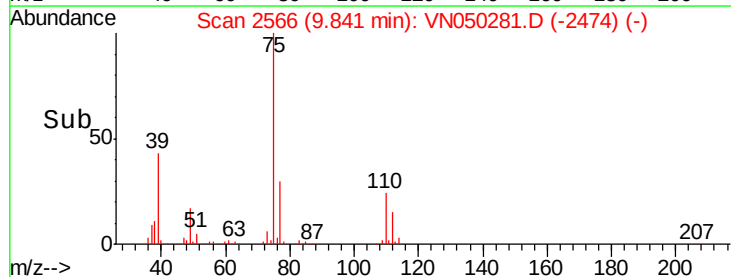
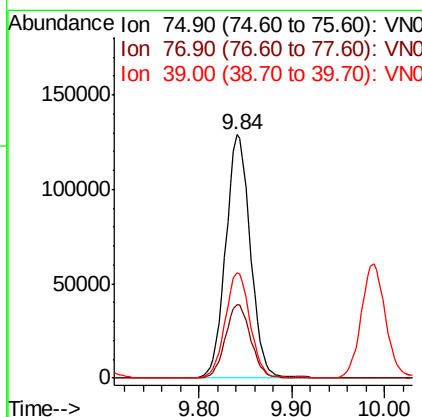
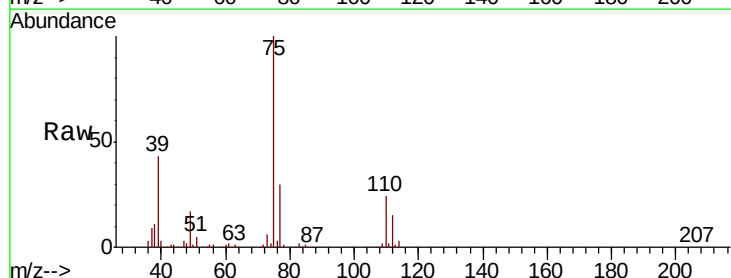
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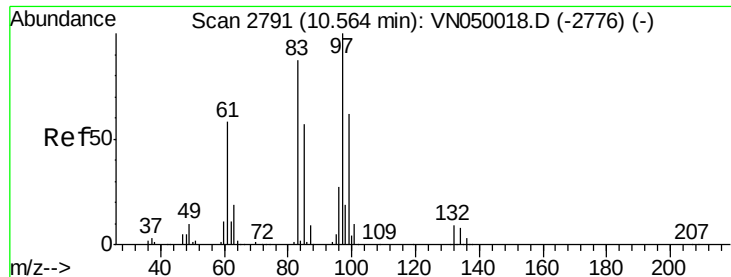
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#54
cis-1,3-Dichloropropene
Concen: 20.803 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.5	38.3
39	43.4	36.6	55.0





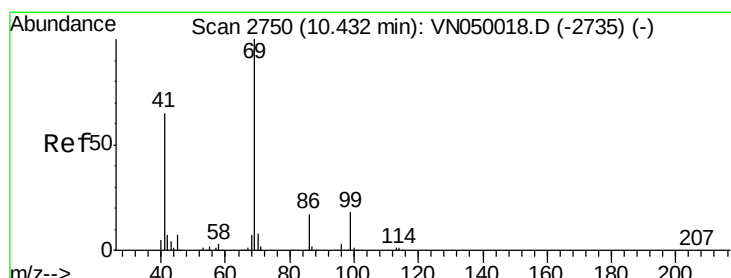
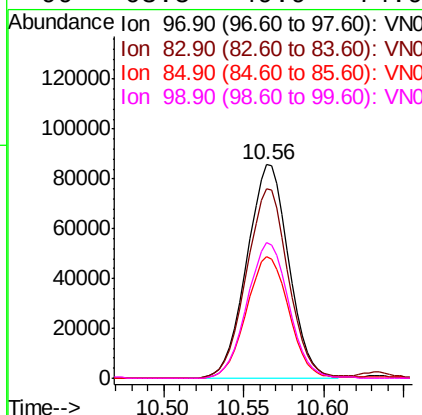
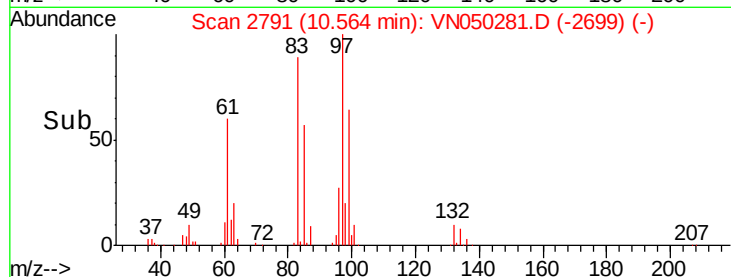
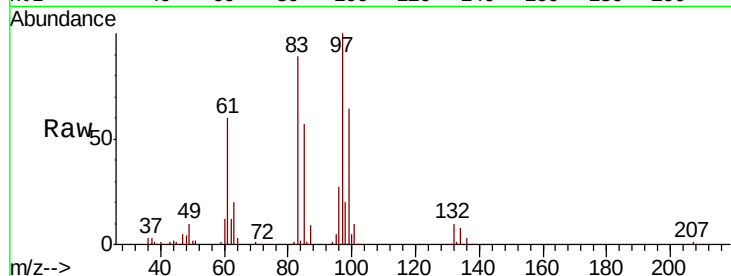
#55
 1,1,2-Trichloroethane
 Concen: 21.436 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		153530		
83	89.0	69.2	103.8		
85	57.0	44.0	66.0		
99	63.5	49.9	74.9		

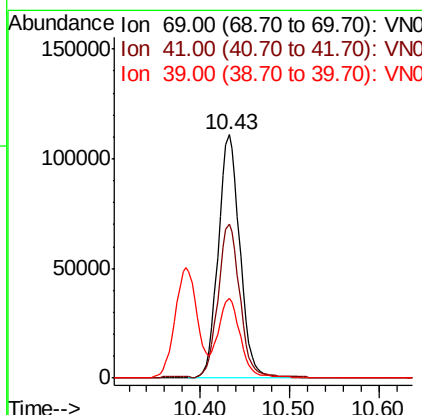
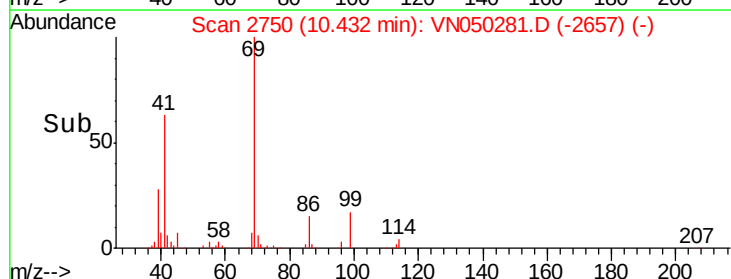
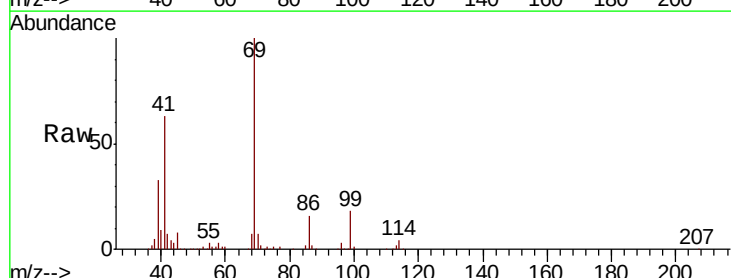
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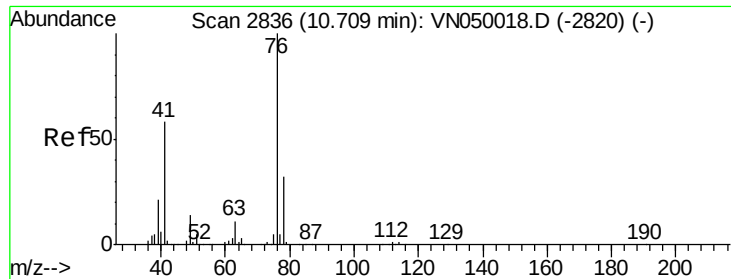
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#56
 Ethyl methacrylate
 Concen: 20.482 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		186603		
41	63.9	51.0	76.4		
39	33.2	26.6	40.0		





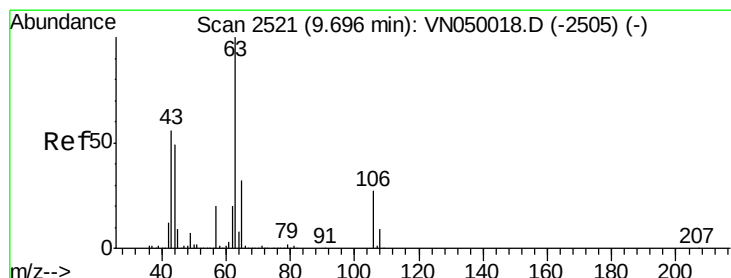
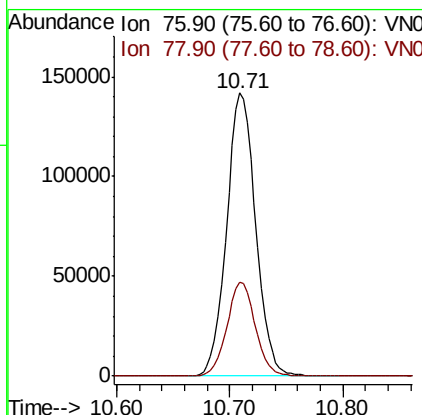
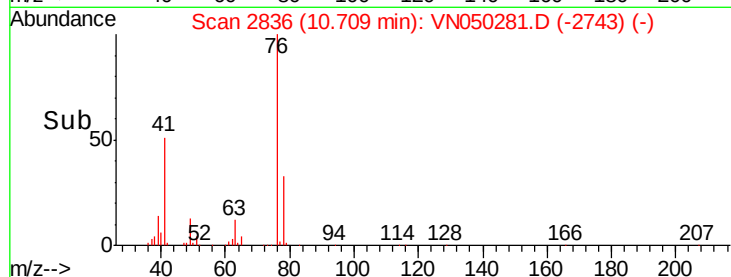
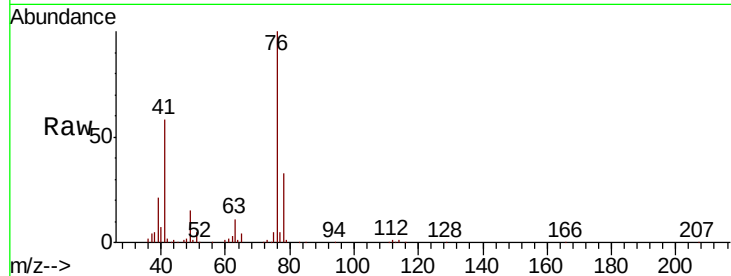
#57
 1,3-Dichloropropane
 Concen: 21.710 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion: 76 Resp: 253210
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

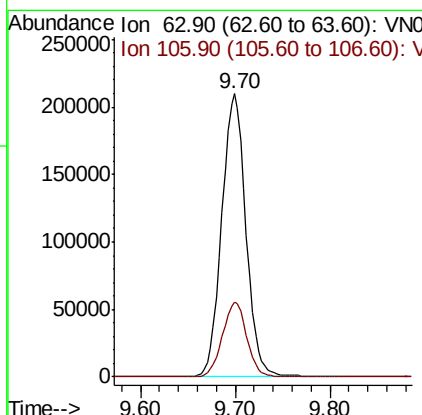
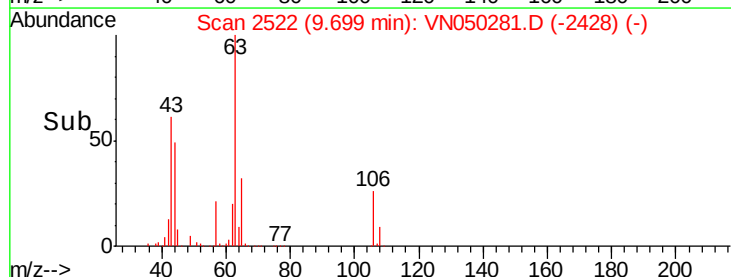
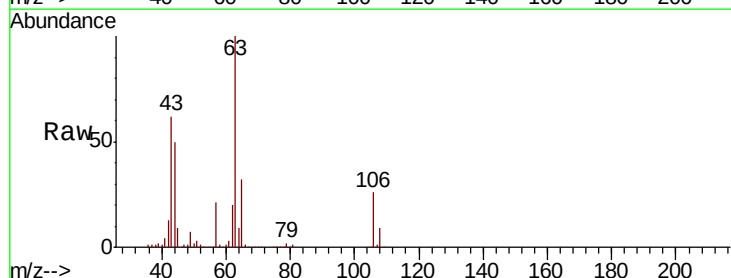
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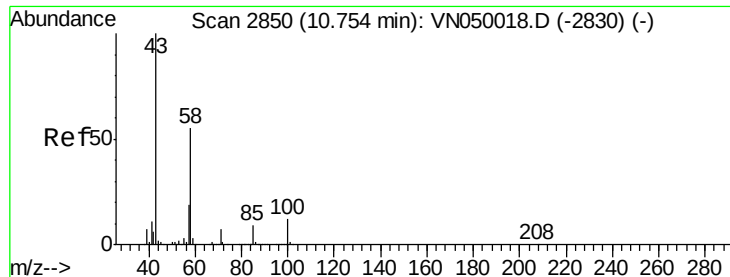
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 8/3/2018 9:36:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.068 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion: 63 Resp: 373286
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.7 32.5





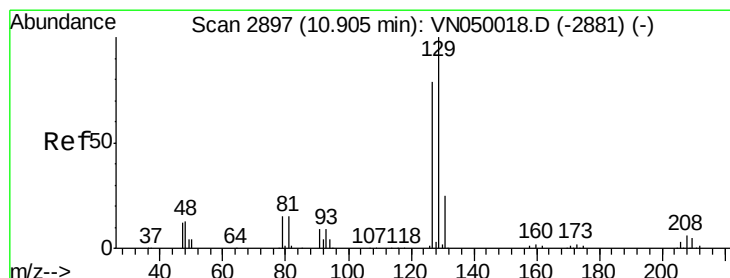
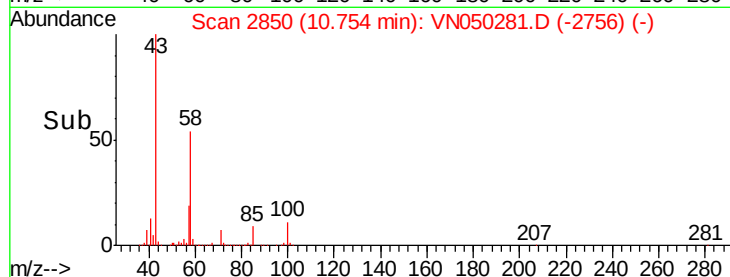
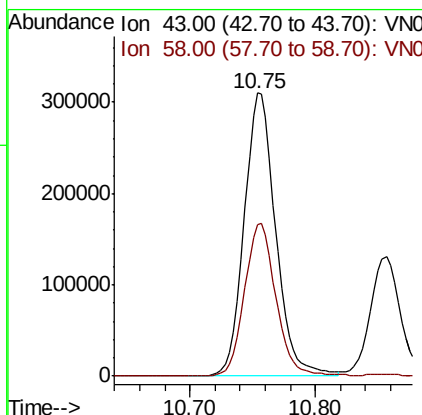
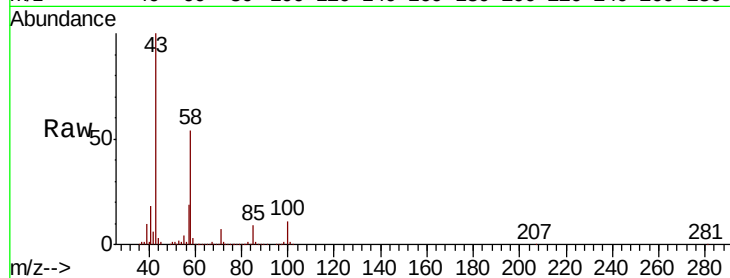
#59
2-Hexanone
Concen: 109.485 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.6	82.7

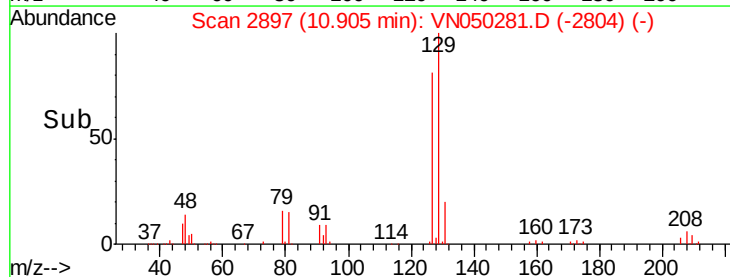
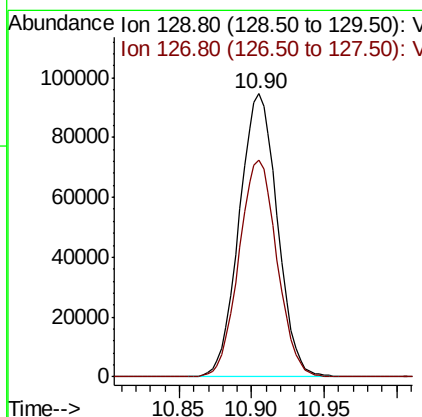
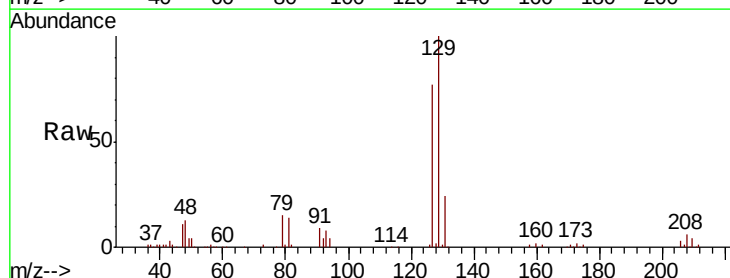
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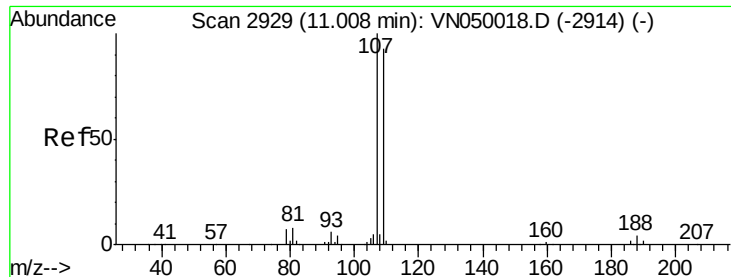
MMDadoda
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#60
Dibromochloromethane
Concen: 21.815 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.0	113.9





#61

1,2-Dibromoethane

Concen: 21.155 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion: 107 Resp: 150333

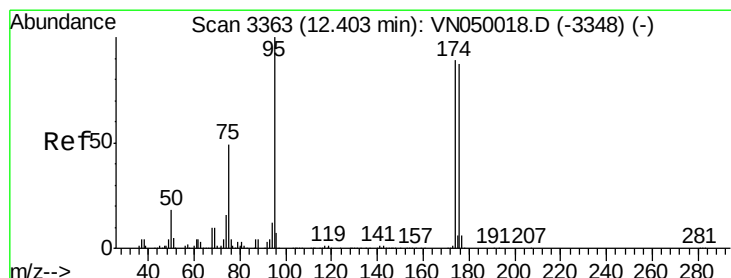
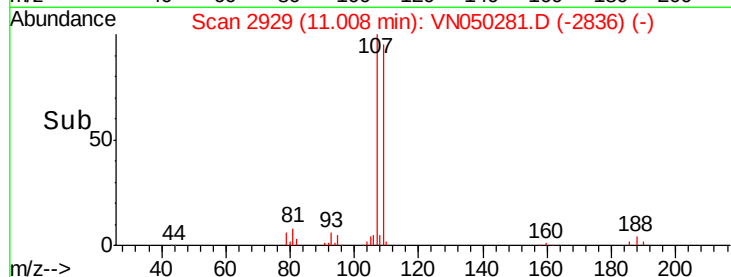
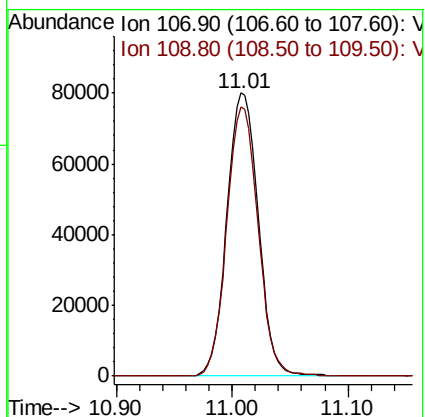
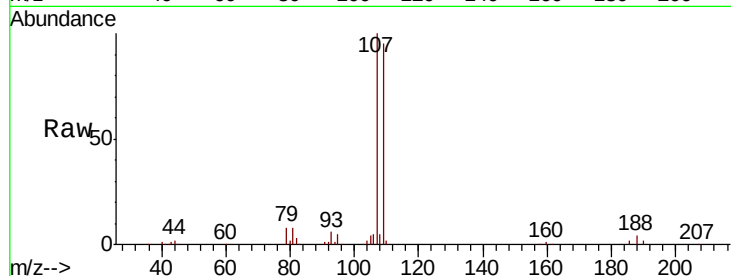
Ion Ratio Lower Upper

107 100

109 95.0 74.6 112.0

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 48.022 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

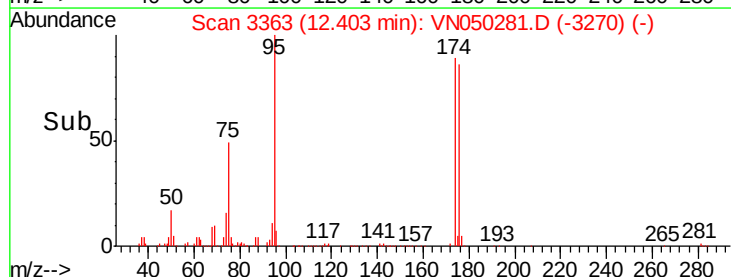
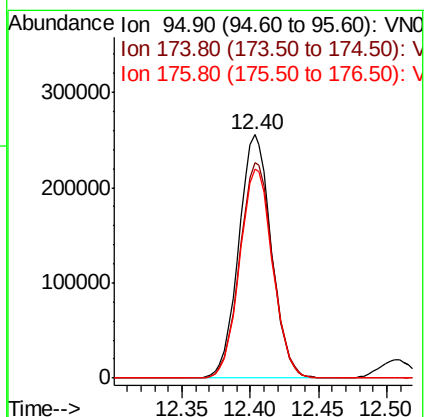
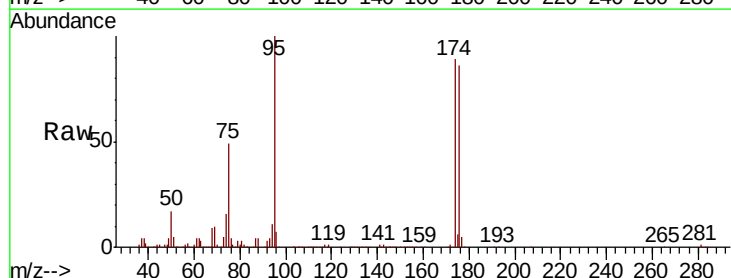
Tgt Ion: 95 Resp: 423521

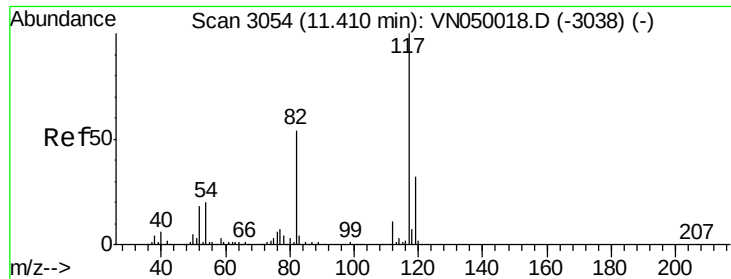
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.2

176 86.9 0.0 173.4





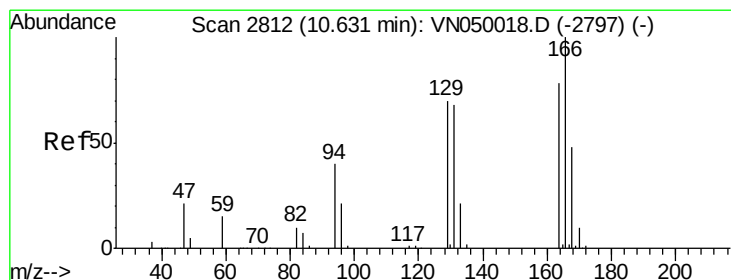
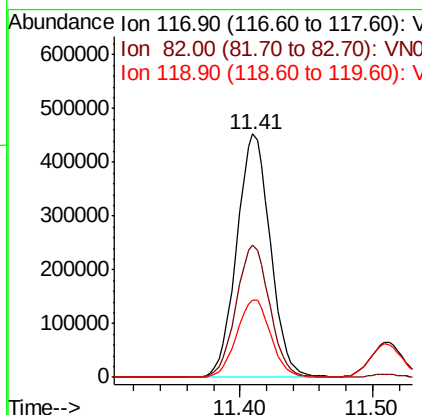
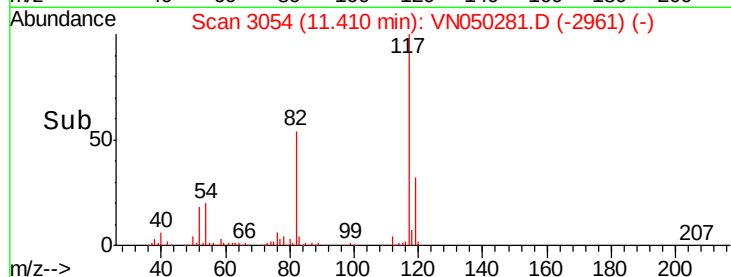
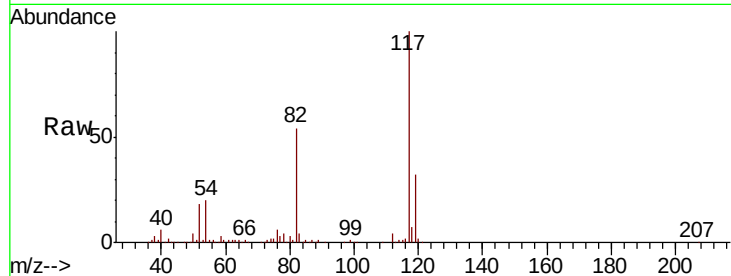
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.7	65.5
119	32.0	26.1	39.1

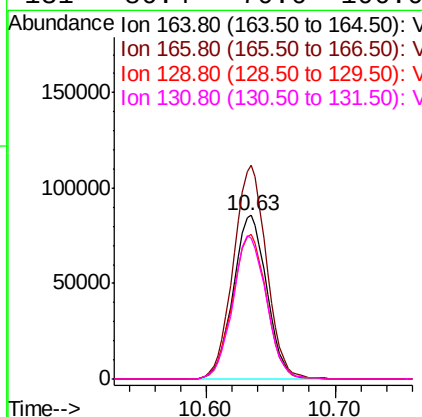
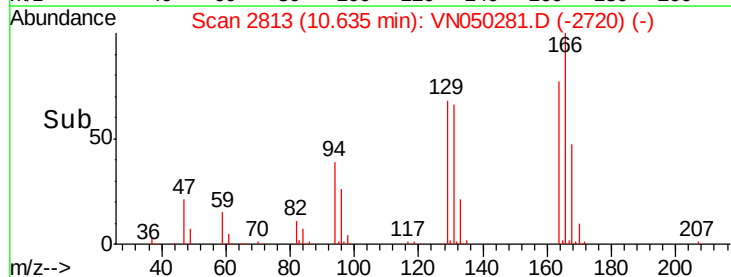
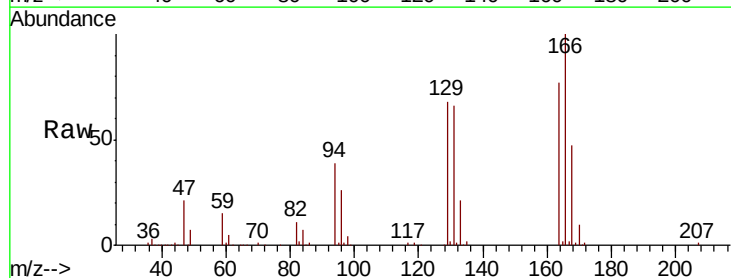
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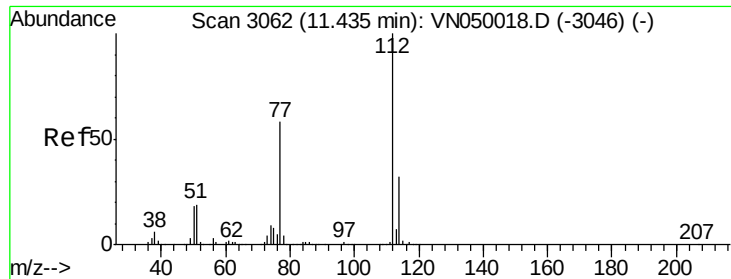
MMDadoda
8/3/2018 9:36:55 AM



#64
Tetrachloroethene
Concen: 20.226 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.1	153.1
129	88.3	73.2	109.8
131	86.4	70.6	106.0





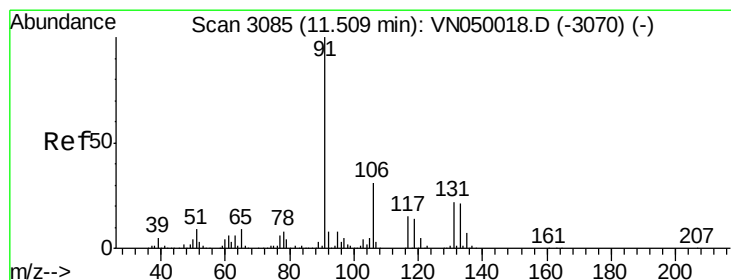
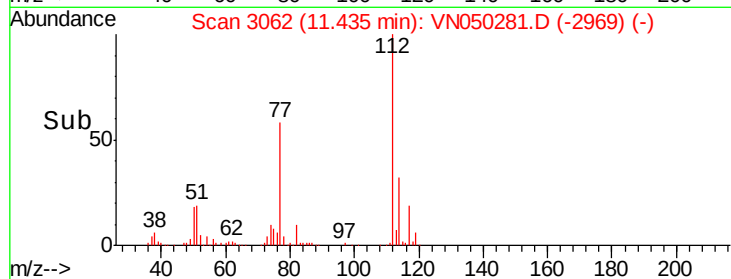
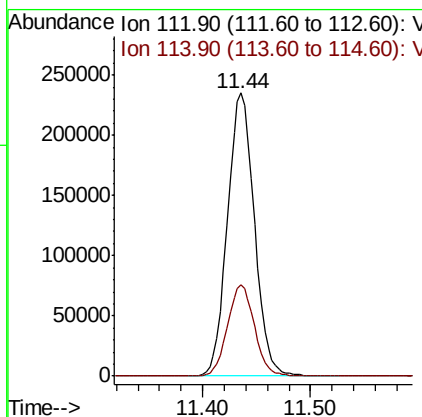
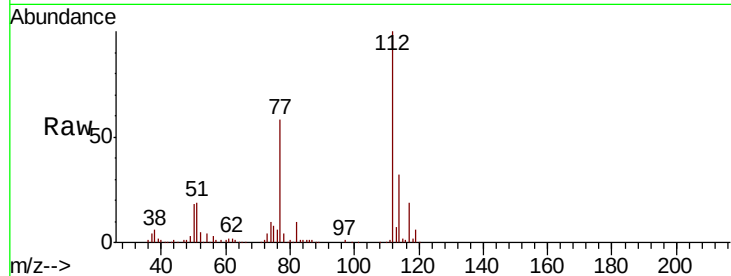
#65
Chlorobenzene
Concen: 20.397 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

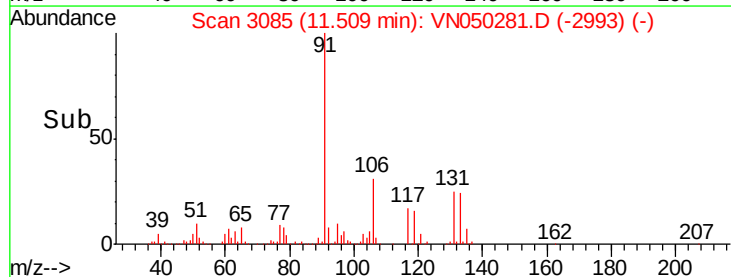
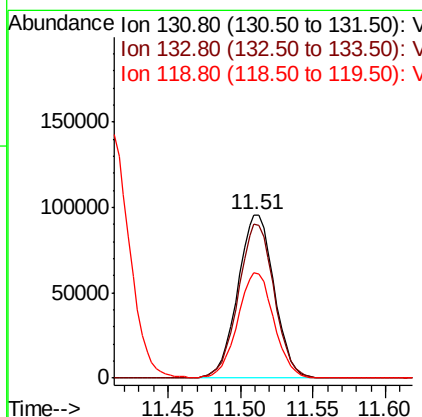
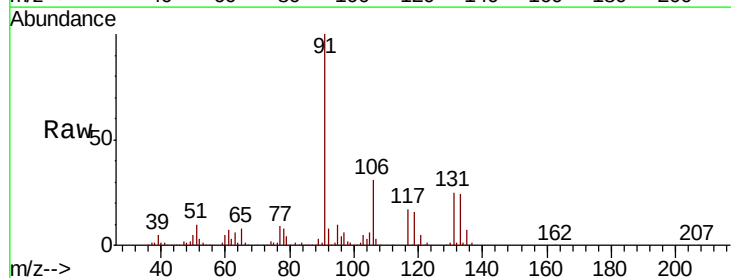
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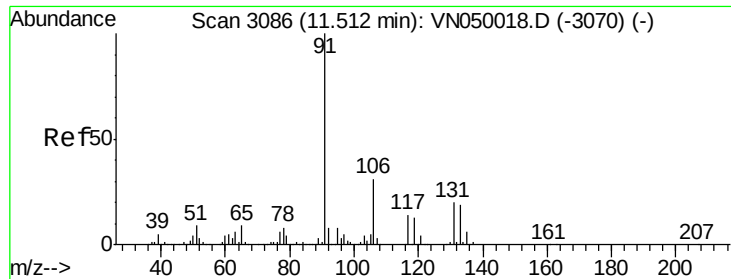
MMDadoda
8/3/2018 9:36:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.625 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.3	141.9
119	64.3	32.9	98.7





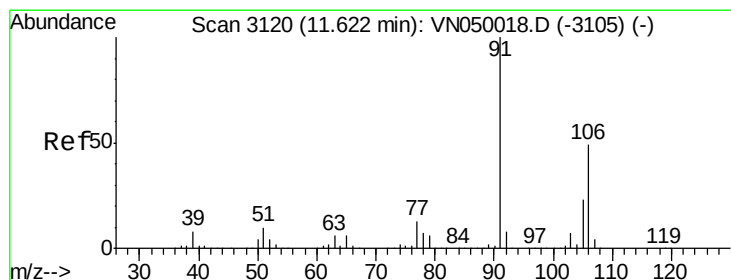
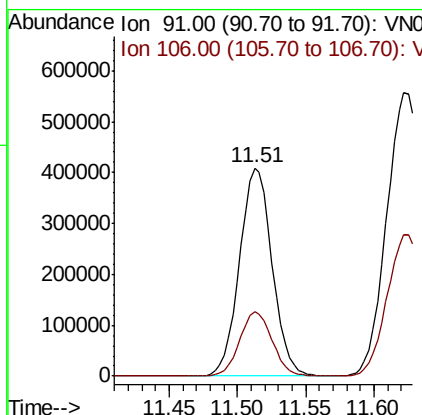
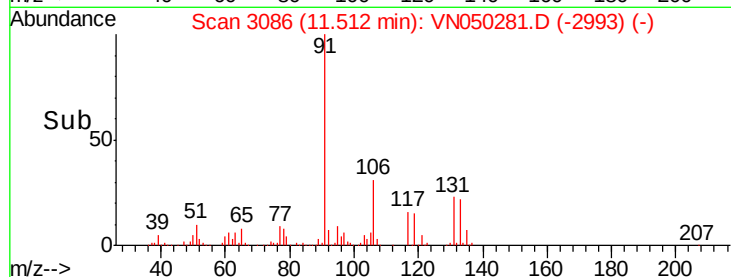
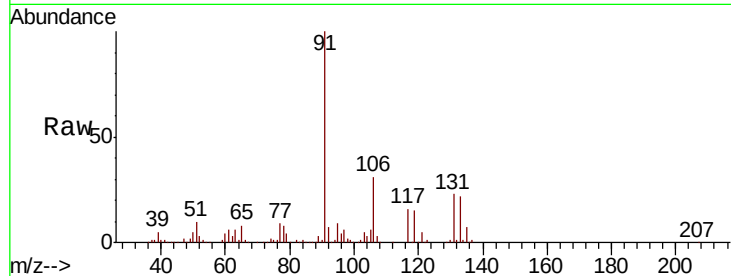
#67
Ethyl Benzene
Concen: 21.064 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampled :
VN0802WBS02

Tot Ion: 91 Resp: 680230
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4

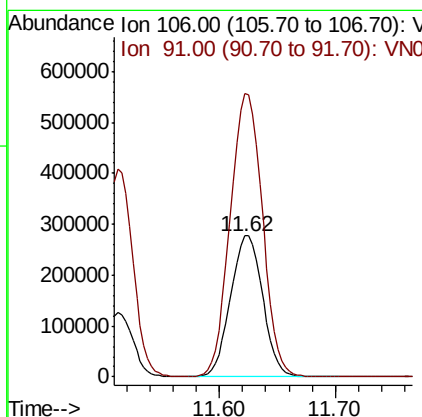
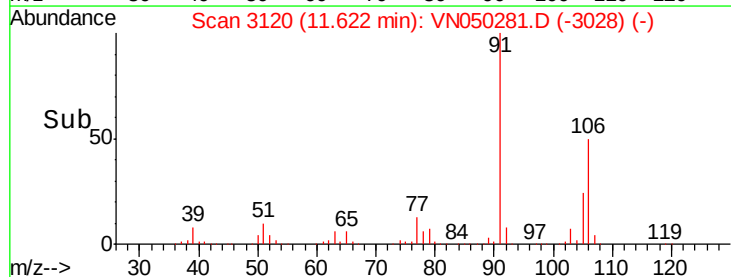
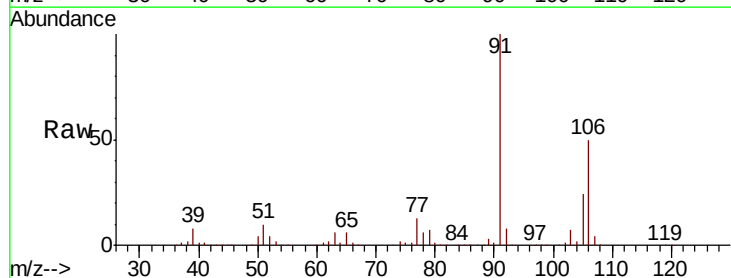
Manual Integrations
APPROVED

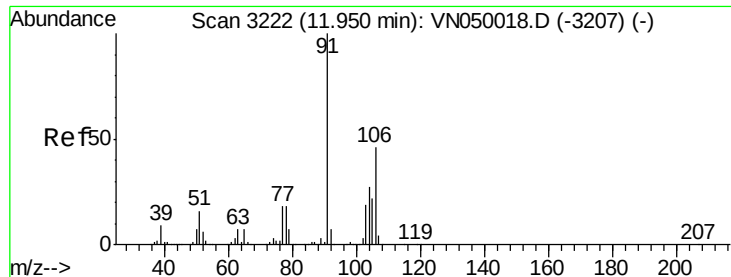
MMDadoda
8/3/2018 9:36:55 AM



#68
m/p-Xylenes
Concen: 43.630 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion: 106 Resp: 532936
Ion Ratio Lower Upper
106 100
91 201.2 162.2 243.2





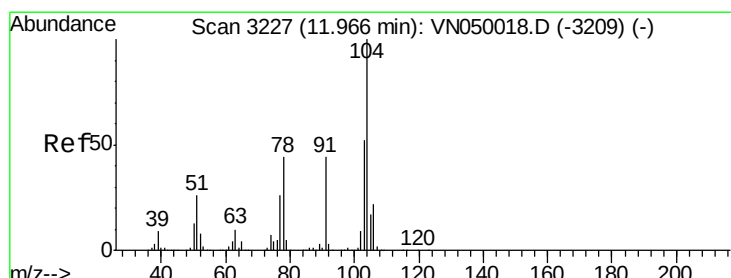
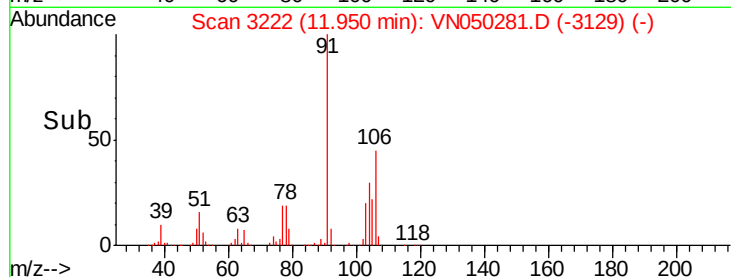
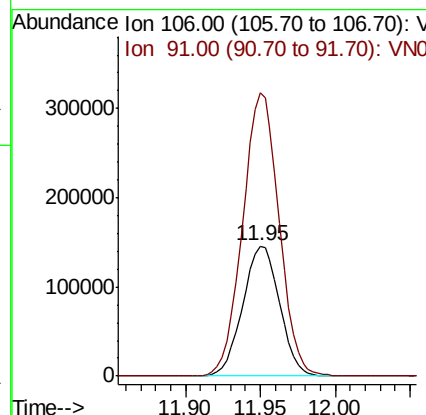
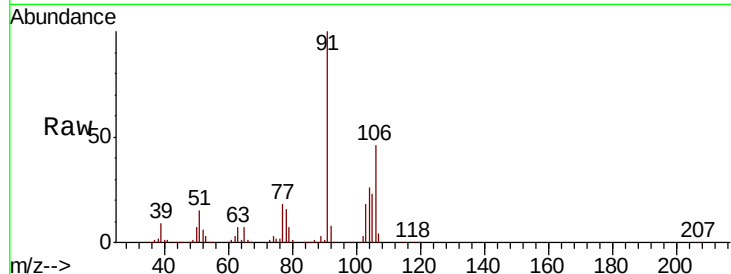
#69
o-Xylene
Concen: 21.525 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion:106 Resp: 250646
Ion Ratio Lower Upper
106 100
91 214.6 107.7 323.1

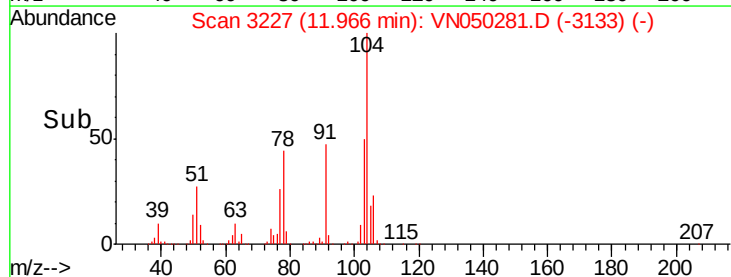
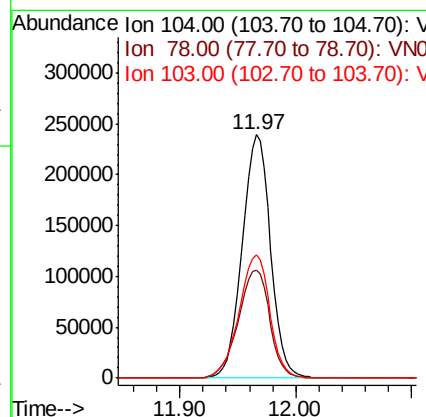
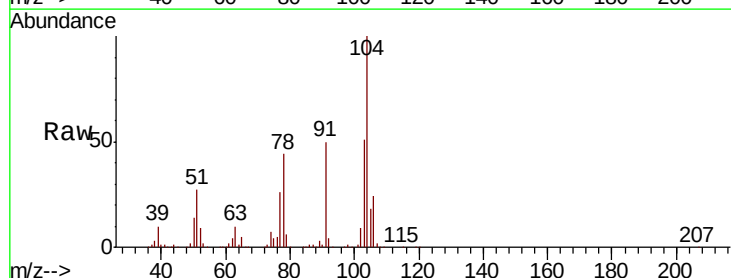
Manual Integrations
APPROVED

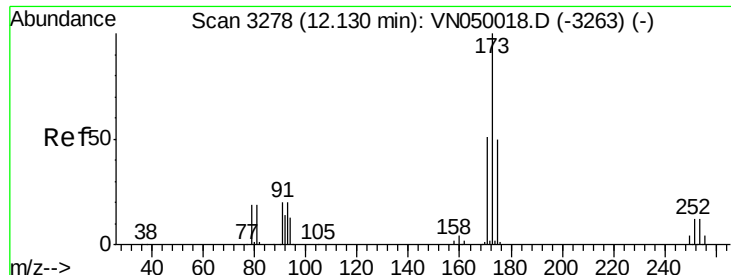
MMDadoda
8/3/2018 9:36:55 AM



#70
Styrene
Concen: 20.132 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion:104 Resp: 405300
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 55.3 45.0 67.6





#71

Bromoform

Concen: 21.592 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

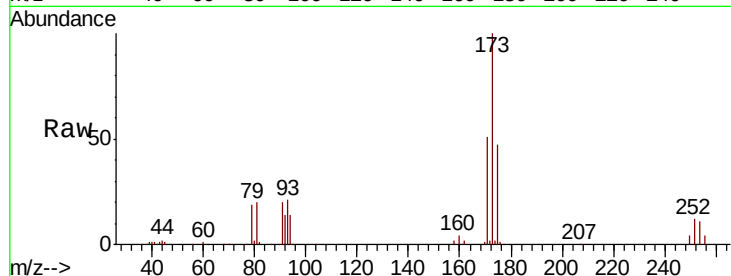
ClientSampleId :

VN0802WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.2
254	0.1	0.2	0.2#

Manual Integrations
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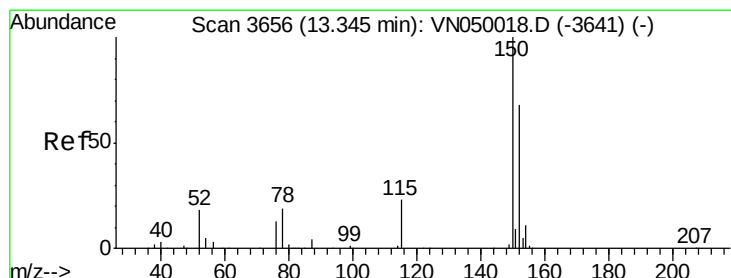
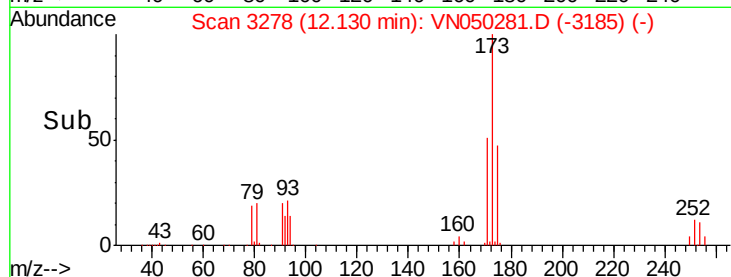
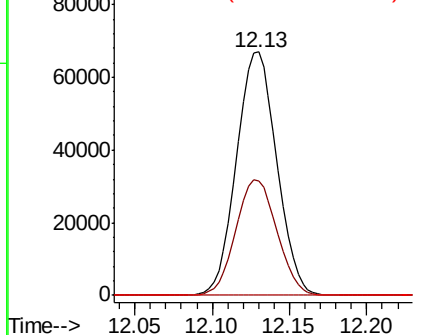


Abundance

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

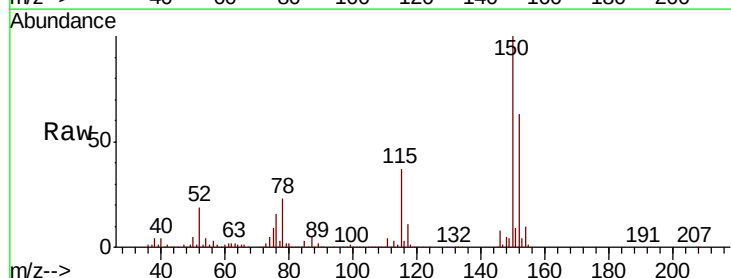
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.8	83.3
150	163.5	0.0	348.6

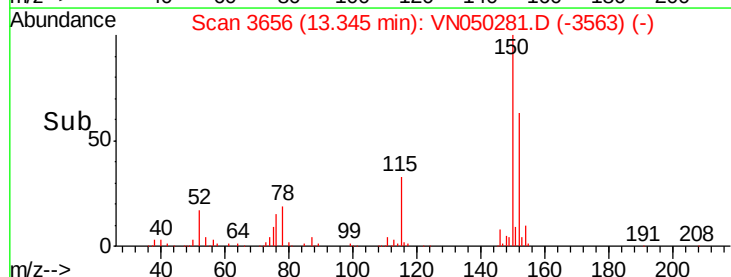
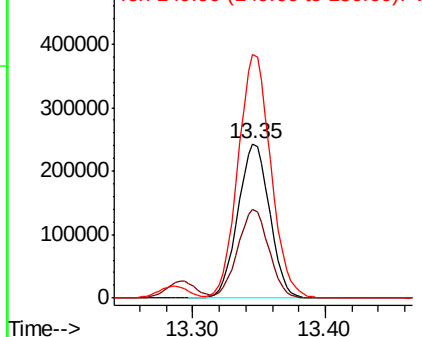


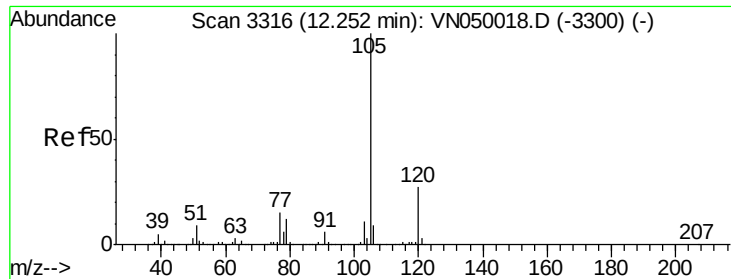
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.465 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion: 105 Resp: 670195

Ion Ratio Lower Upper

105 100

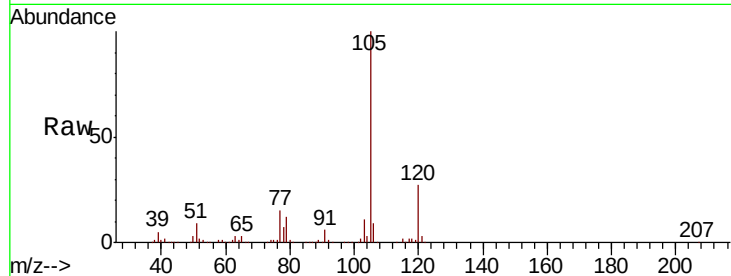
120 26.8 13.3 39.8

Manual Integrations

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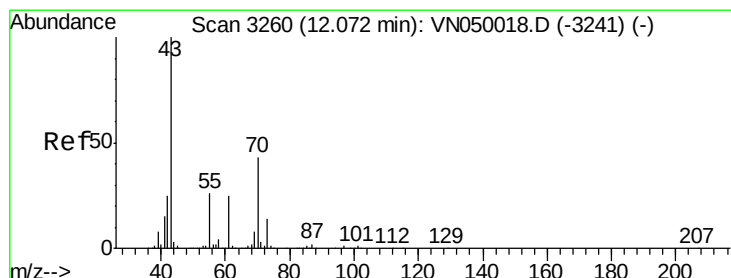
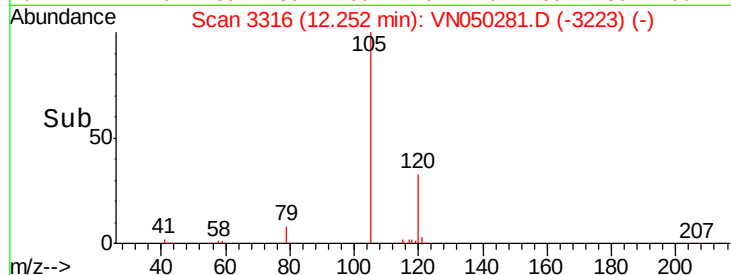
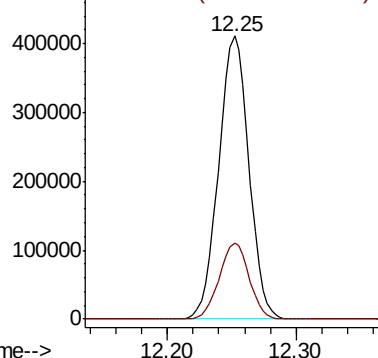
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.295 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion: 43 Resp: 203216

Ion Ratio Lower Upper

43 100

70 42.8 34.4 51.6

55 27.6 20.8 31.2

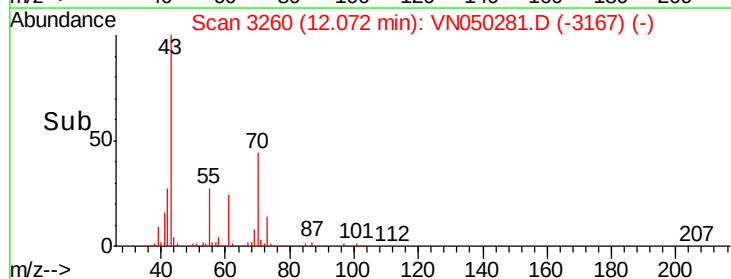
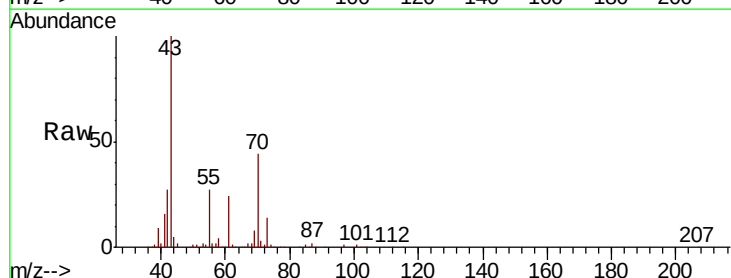
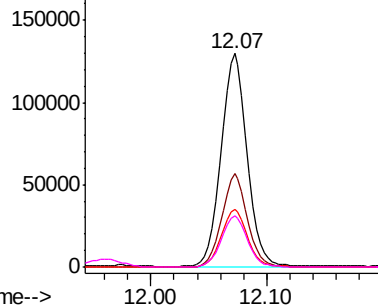
61 24.2 19.7 29.5

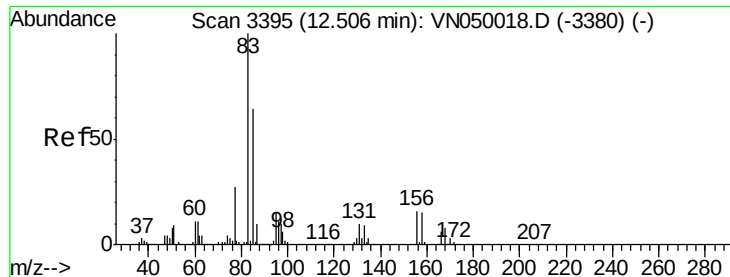
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.550 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

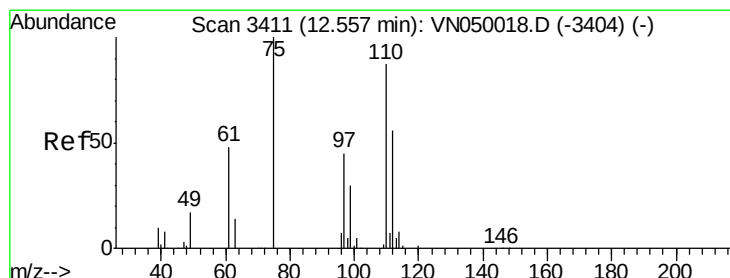
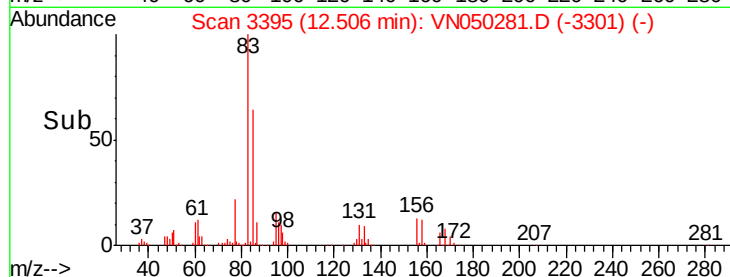
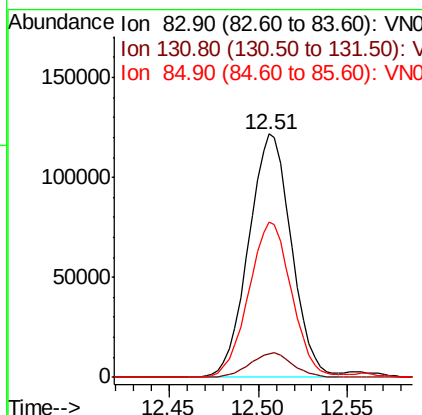
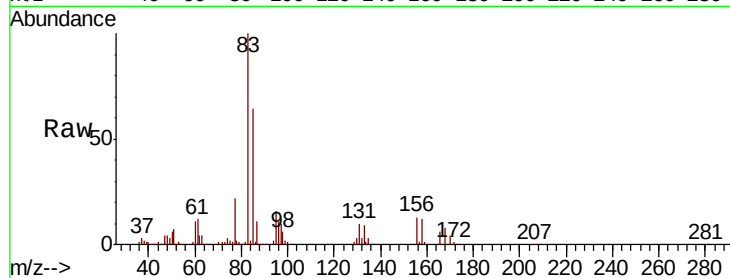
ClientSampleId :

VN0802WBS02

Tot Ion:	83	Resp:	204193
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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8/3/2018 9:36:55 AM



#76

1,2,3-Trichloropropane

Concen: 23.278 ug/l m

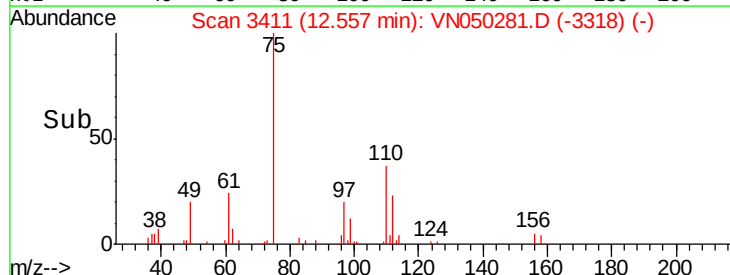
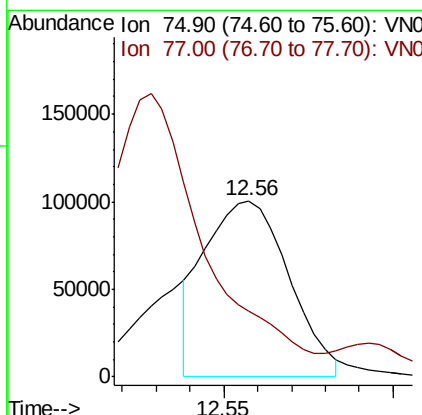
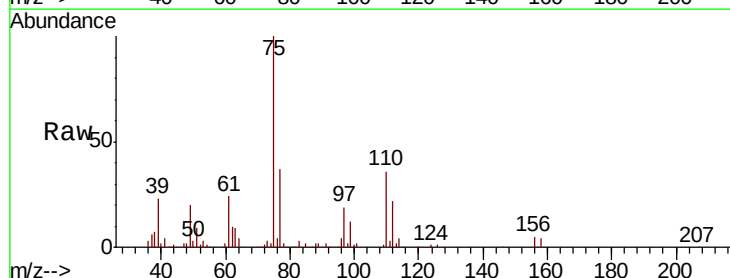
RT: 12.56 min Scan# 3411

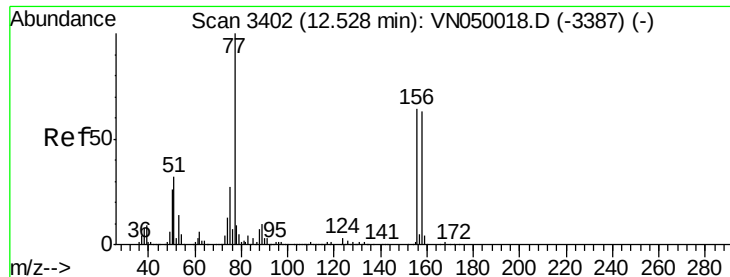
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	75	Resp:	174159
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.762 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

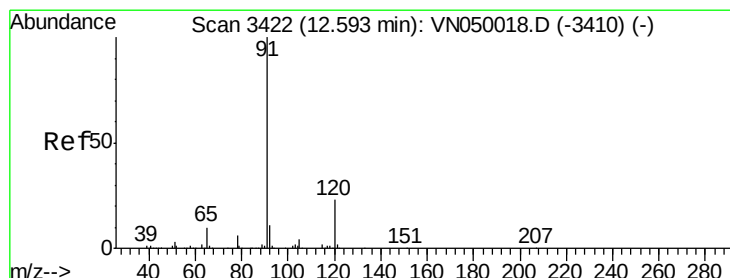
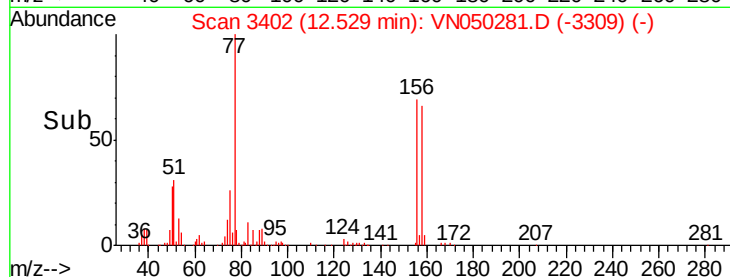
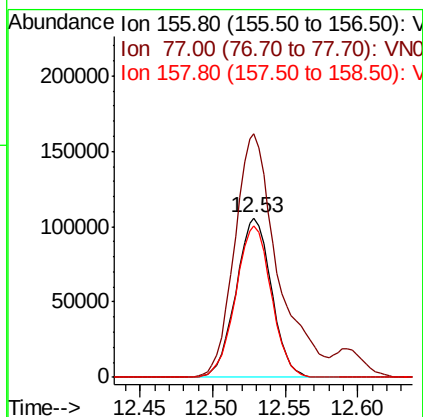
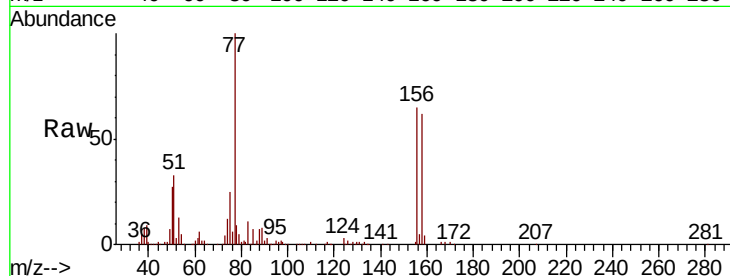
ClientSampleId :

VN0802WBS02

Tot Ion:	156	Resp:	179669
Ion	Ratio	Lower	Upper
156	100		
77	185.6	91.7	275.1
158	95.4	48.9	146.6

Manual Integrations
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8/3/2018 9:36:55 AM



#78

n-propylbenzene

Concen: 21.633 ug/l

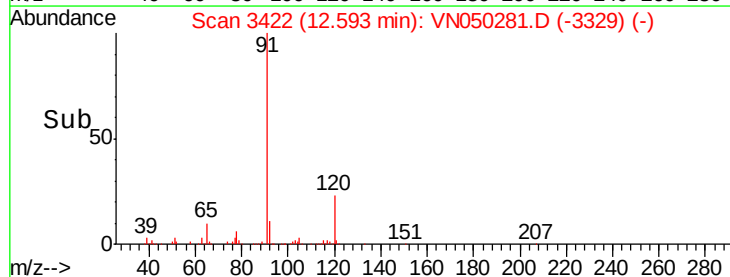
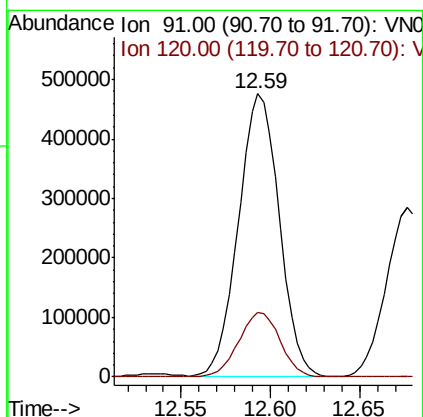
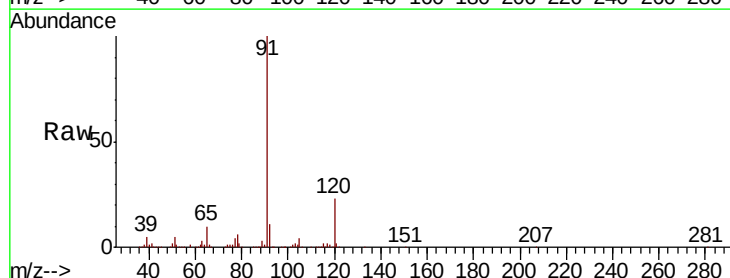
RT: 12.59 min Scan# 3422

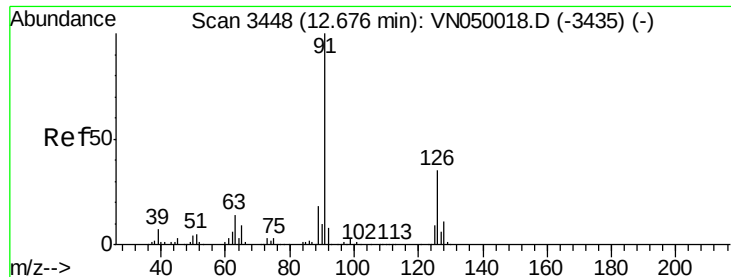
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	91	Resp:	754989
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.6	34.7





#79

2-Chlorotoluene

Concen: 21.660 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampleId :

VN0802WBS02

Tot Ion: 91 Resp: 468521

Ion Ratio Lower Upper

91 100

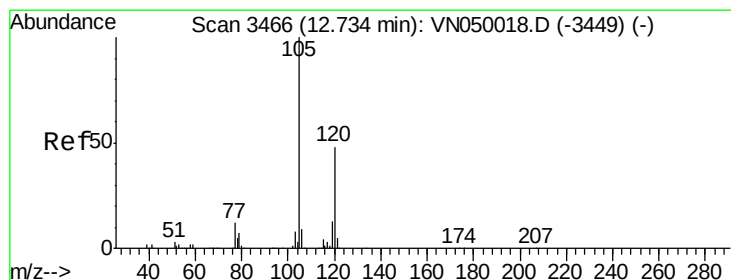
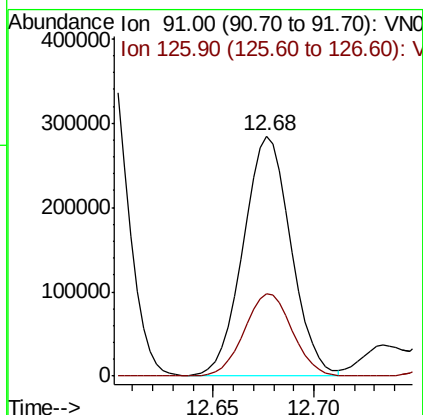
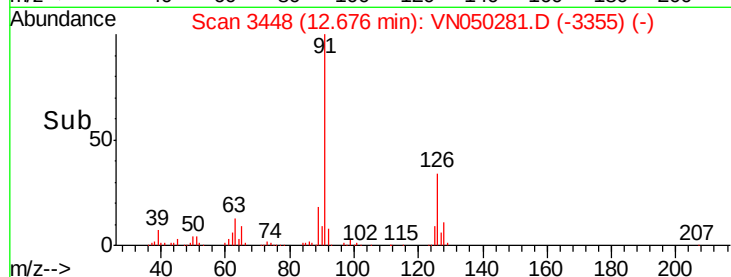
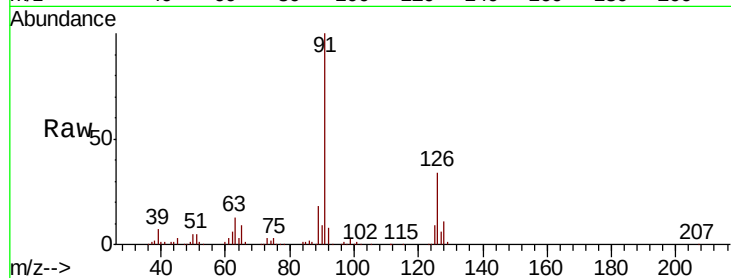
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.586 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050281.D

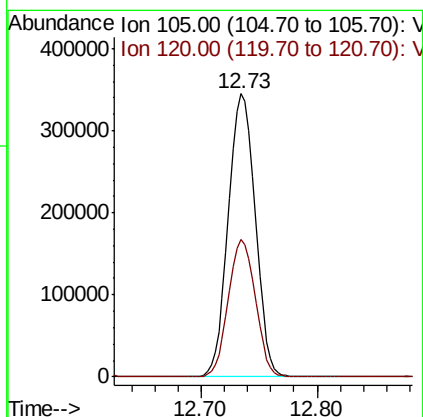
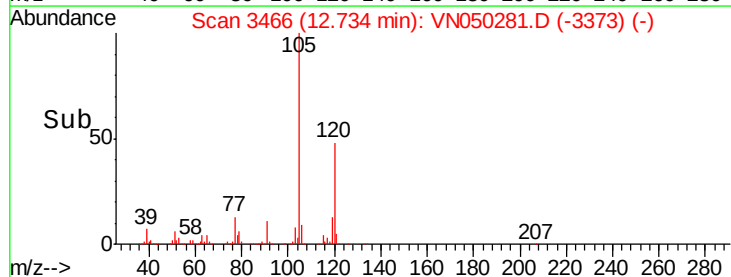
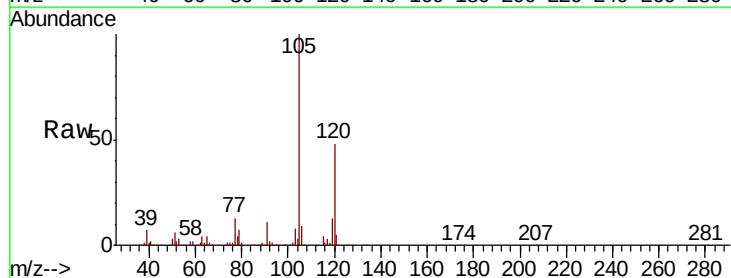
Acq: 2 Aug 2018 23:14

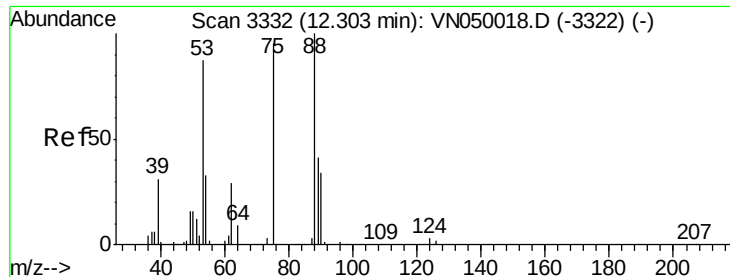
Tgt Ion: 105 Resp: 554696

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.061 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

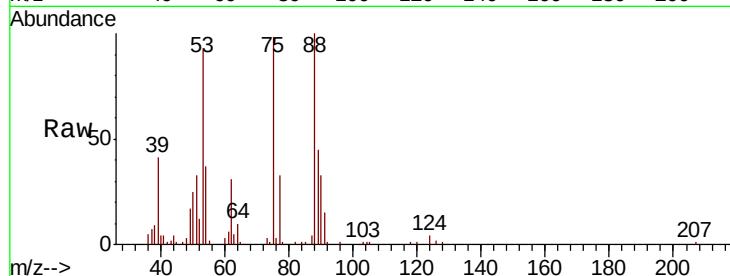
ClientSampled :

VN0802WBS02

Tot Ion:	75	Resp:	47321
Ion	Ratio	Lower	Upper
75	100		
53	96.1	73.5	110.3
89	46.1	36.0	54.0

Manual Integrations
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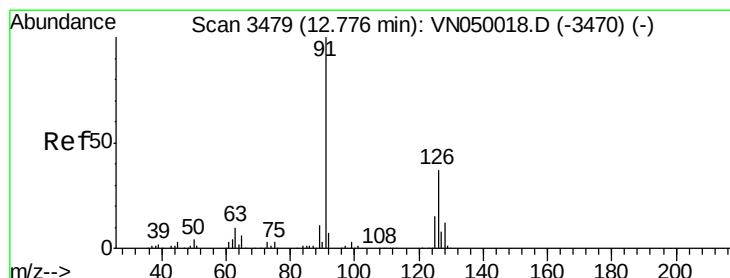
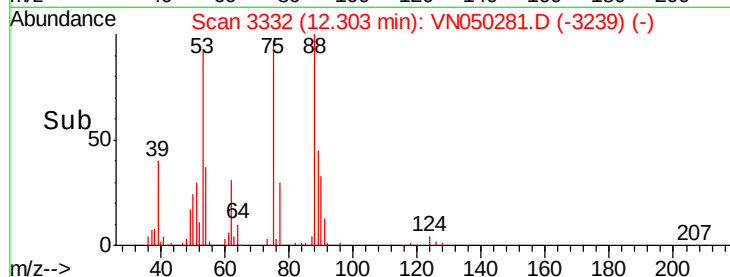
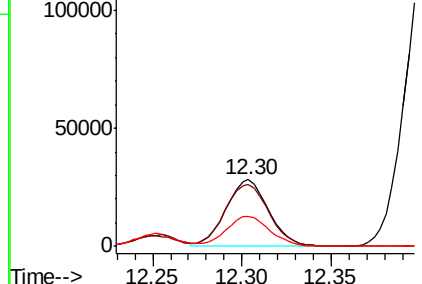
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Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050018.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050018.D (-3322) (-)



#82

4-Chlorotoluene

Concen: 22.007 ug/l

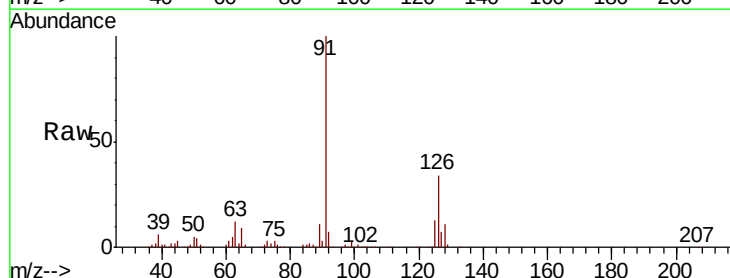
RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050281.D

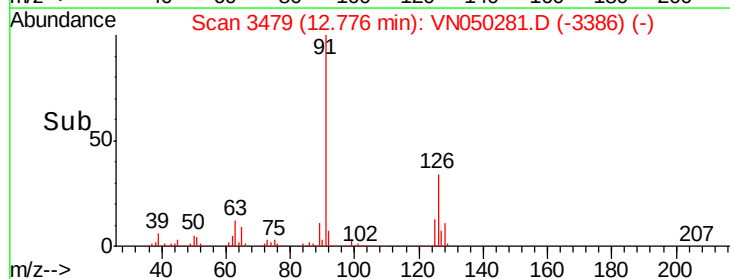
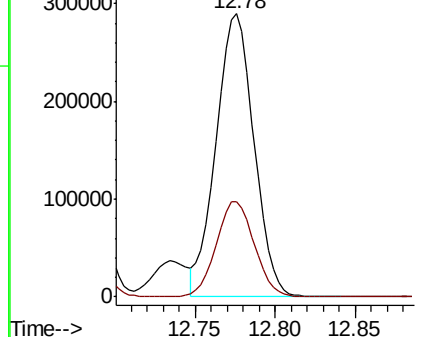
Acq: 2 Aug 2018 23:14

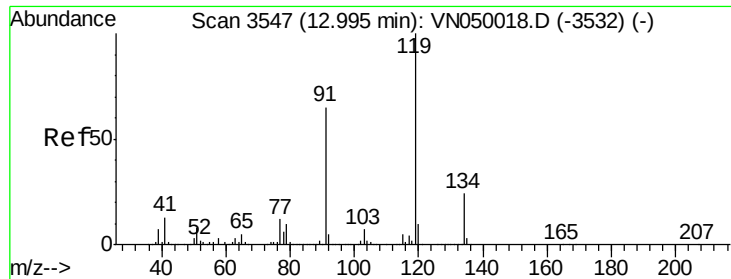
Tgt Ion:	91	Resp:	471403
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.0	51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3470) (-)





#83

tert-Butylbenzene

Concen: 21.836 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

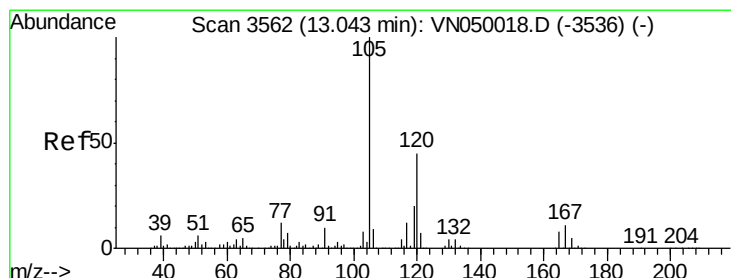
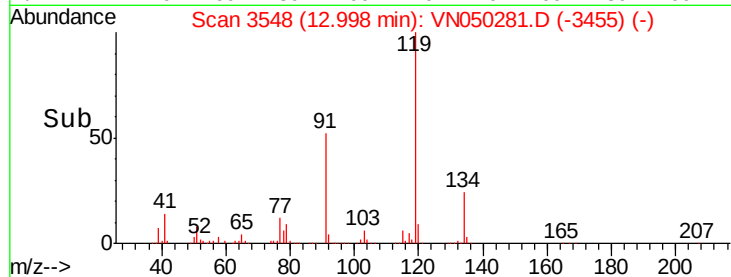
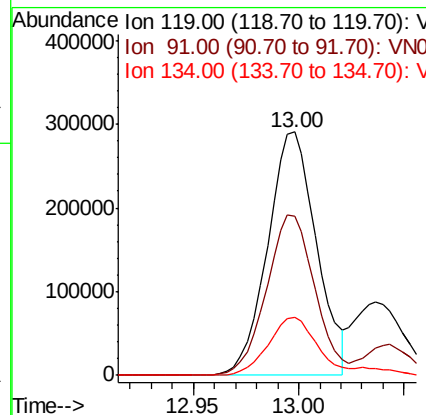
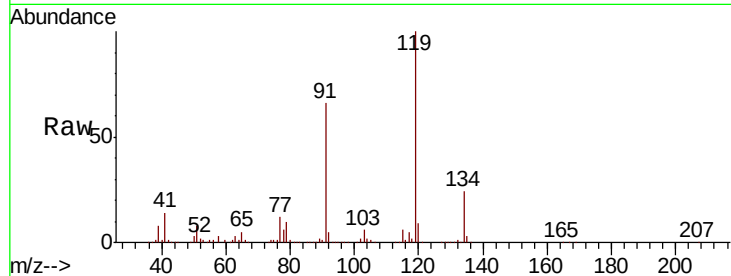
ClientSampleId :

VN0802WBS02

Tot Ion:	119	Resp:	468007
Ion Ratio	Lower	Upper	
119	100		
91	65.2	32.1	96.3
134	24.2	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.702 ug/l

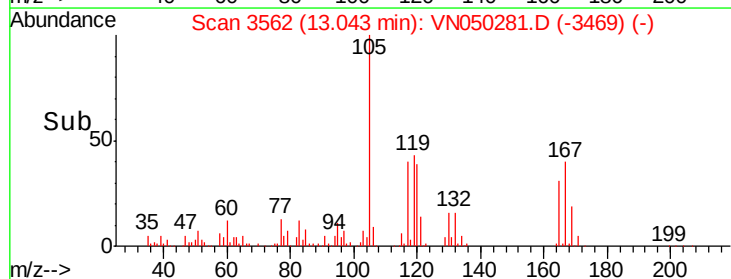
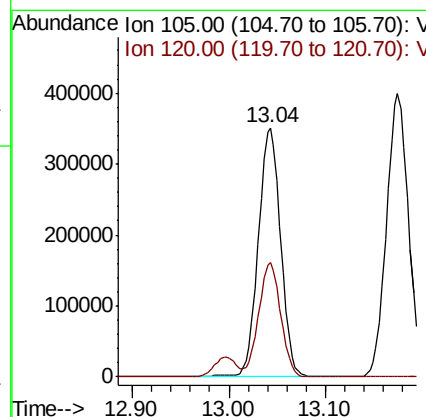
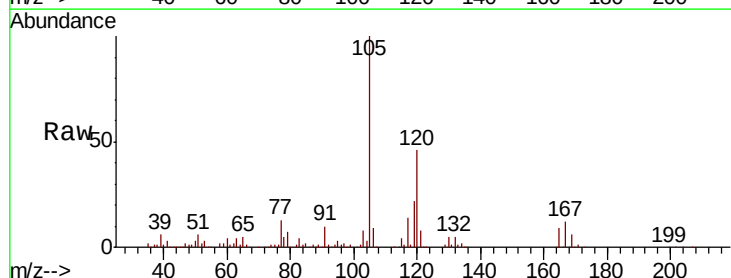
RT: 13.04 min Scan# 3562

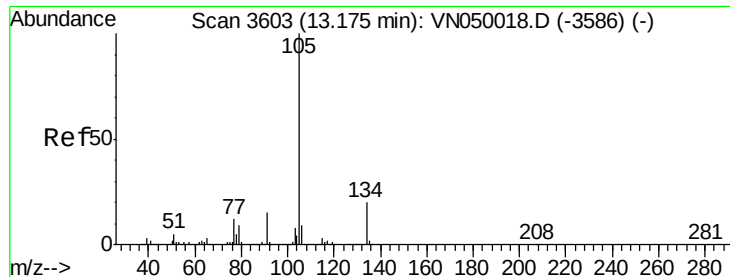
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	105	Resp:	561988
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.937 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

ClientSampled :

VN0802WBS02

Tot Ion:105 Resp: 628216

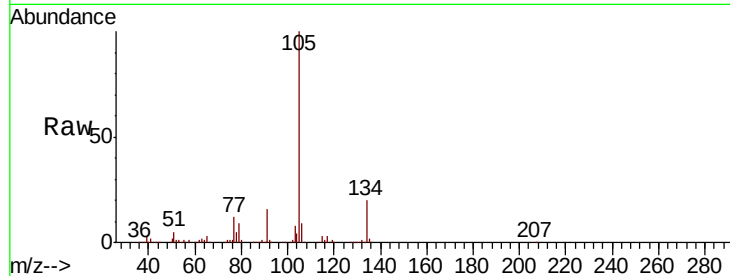
Ion Ratio Lower Upper

105 100

134 20.0 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

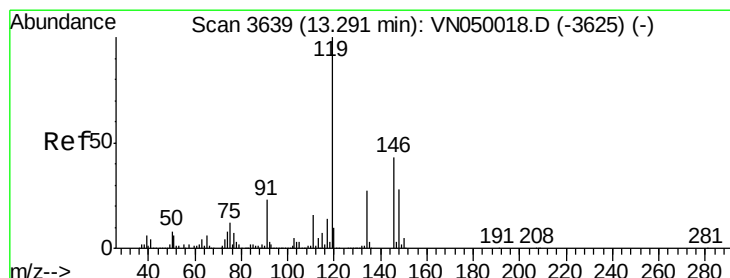
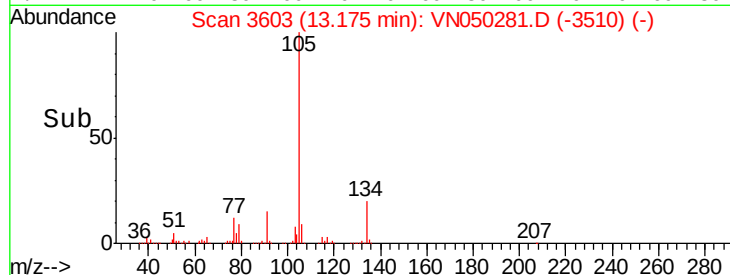
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.796 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

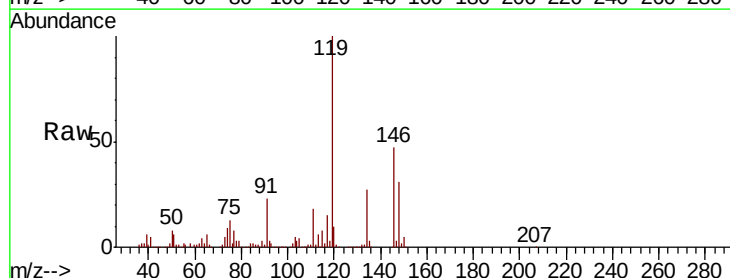
Tgt Ion:119 Resp: 525955

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 23.3 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

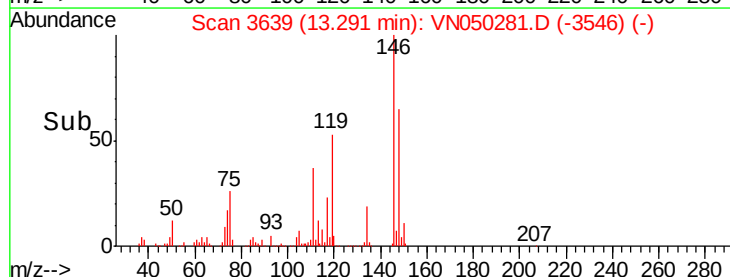
300000

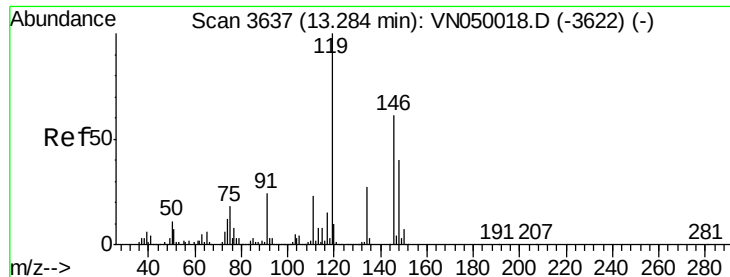
200000

100000

0

Time-->





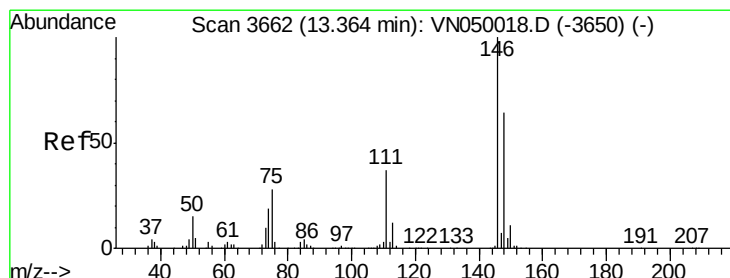
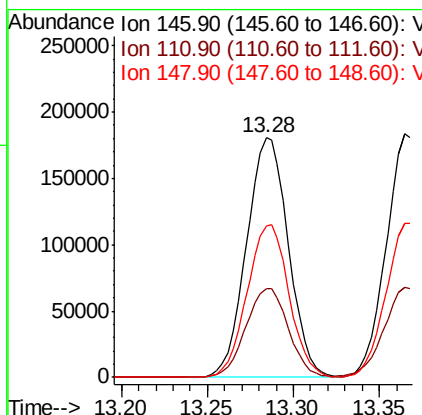
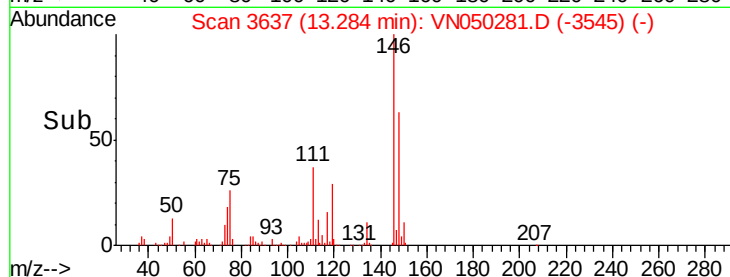
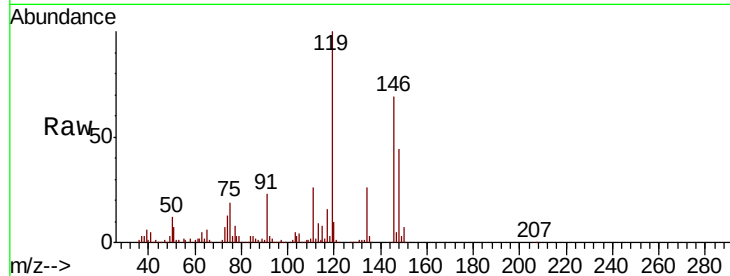
#87
 1,3-Dichlorobenzene
 Concen: 20.722 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	303985		
111	37.6	18.8	56.4	
148	63.8	31.9	95.9	

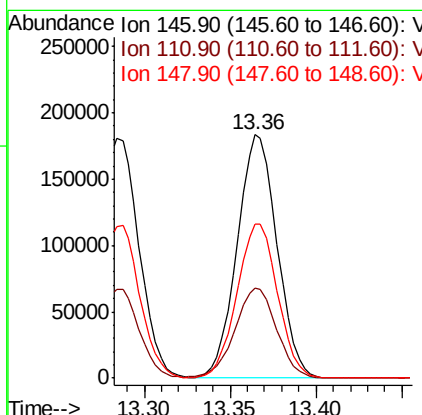
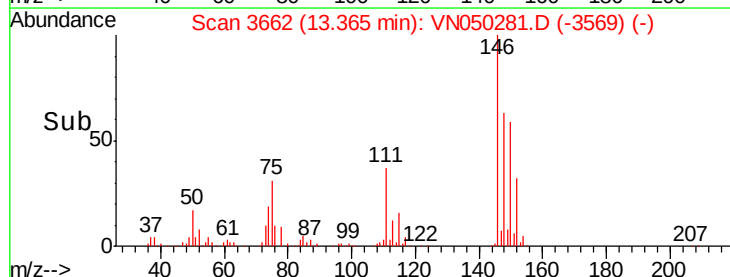
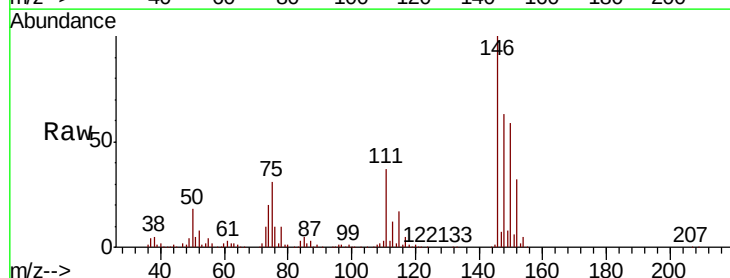
Manual Integrations
 APPROVED

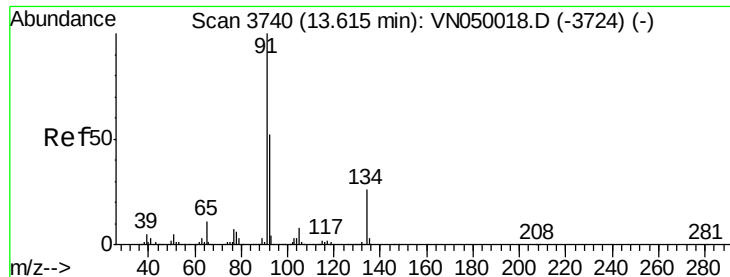
MMDadoda
 8/3/2018 9:36:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296116		
111	38.7	18.3	54.9	
148	64.6	31.9	95.9	





#89

n-Butylbenzene

Concen: 20.020 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Instrument :

MSVOA_N

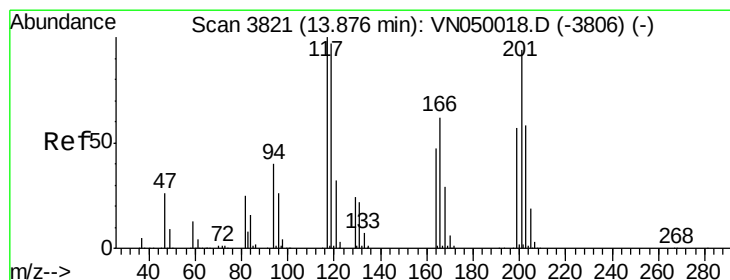
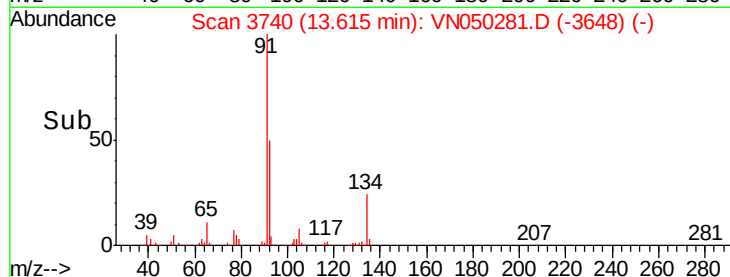
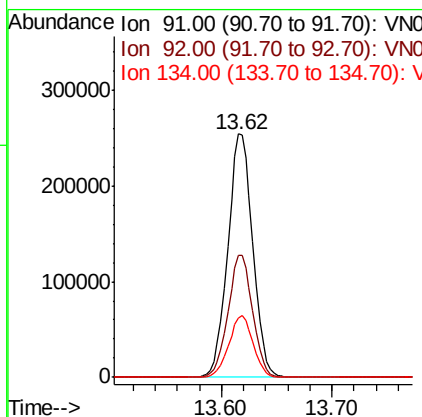
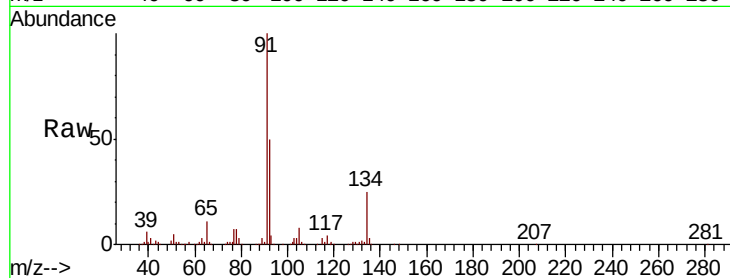
ClientSampleId :

VN0802WBS02

Tot Ion:	91	Resp:	397258
Ion Ratio	Lower	Upper	
91	100		
92	49.6	25.8	77.4
134	24.7	12.8	38.4

Manual Integrations
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8/3/2018 9:36:55 AM



#90

Hexachloroethane

Concen: 20.116 ug/l

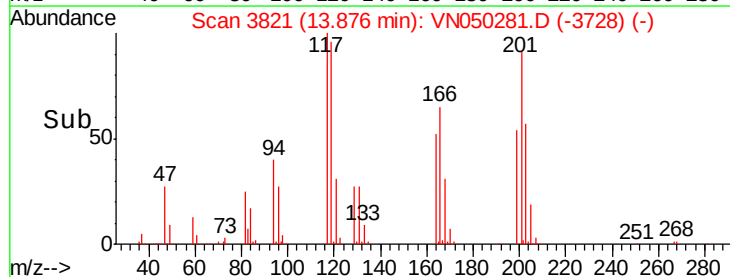
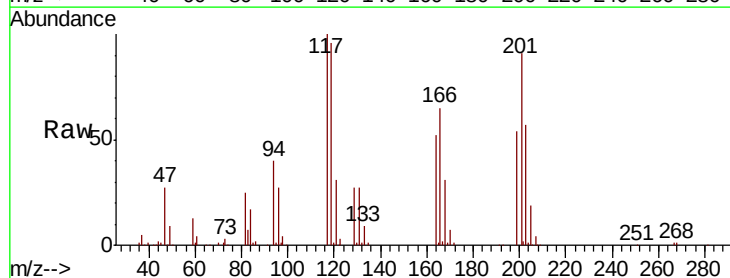
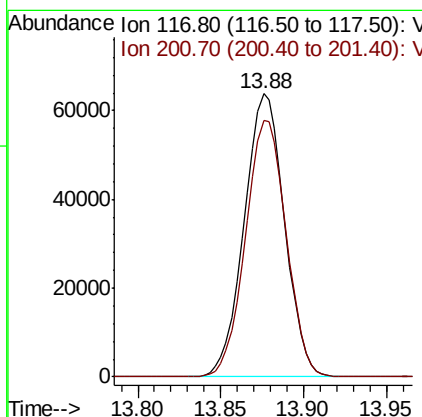
RT: 13.88 min Scan# 3821

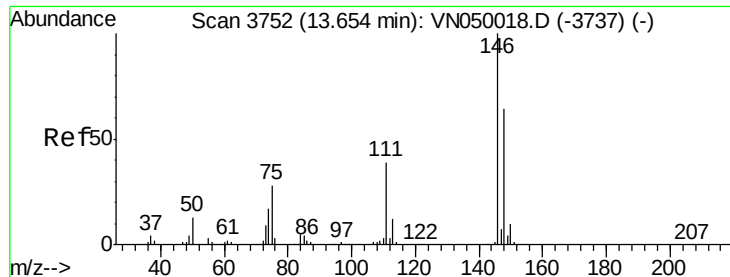
Delta R.T. 0.00 min

Lab File: VN050281.D

Acq: 2 Aug 2018 23:14

Tgt Ion:	117	Resp:	107784
Ion Ratio	Lower	Upper	
117	100		
201	91.2	45.6	136.8





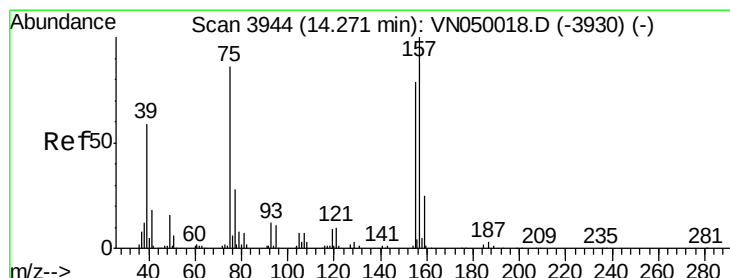
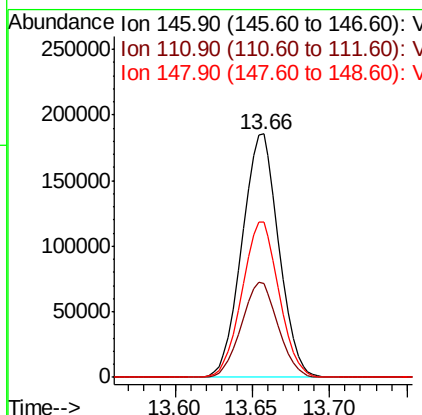
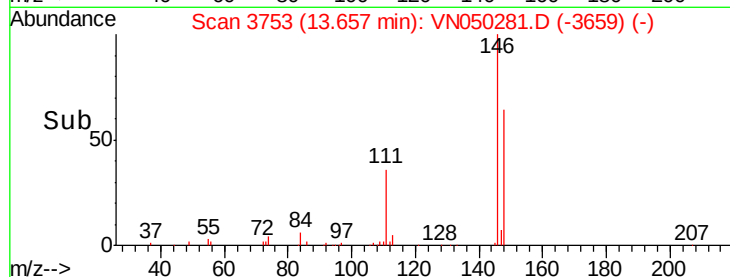
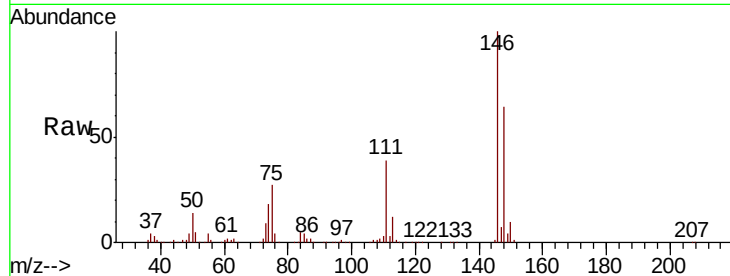
#91
 1,2-Dichlorobenzene
 Concen: 20.930 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.2	32.1	96.3

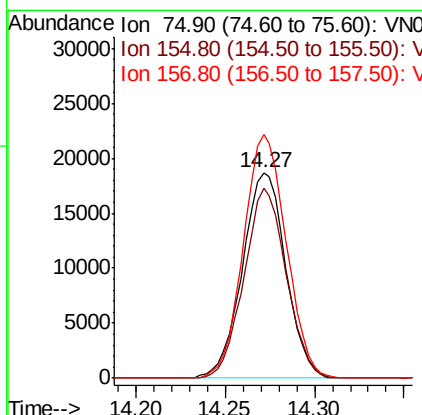
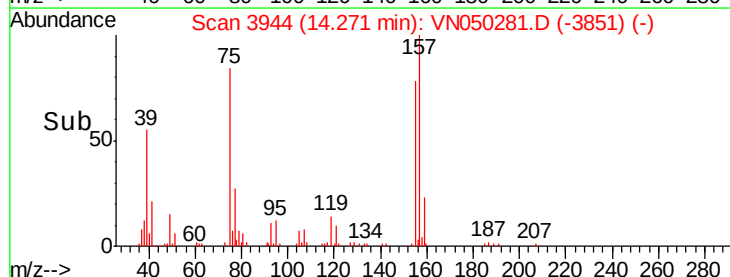
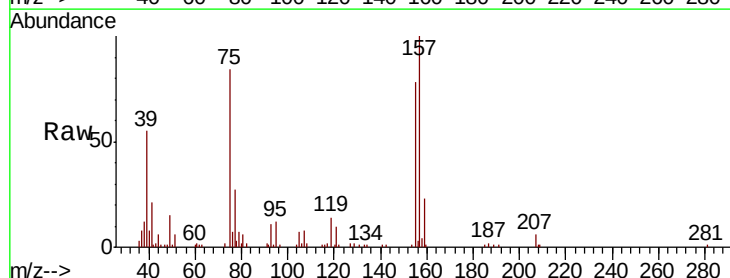
Manual Integrations
 APPROVED

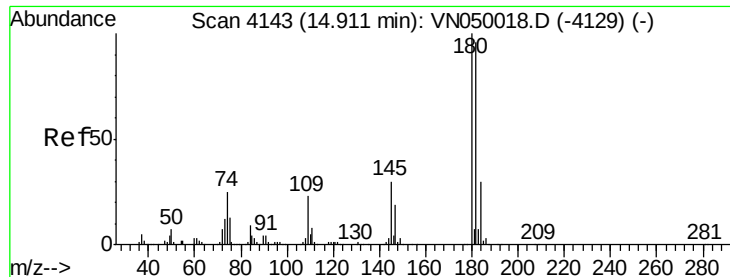
MMDadoda
 8/3/2018 9:36:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.305 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	44.8	134.4
157	117.1	57.2	171.6





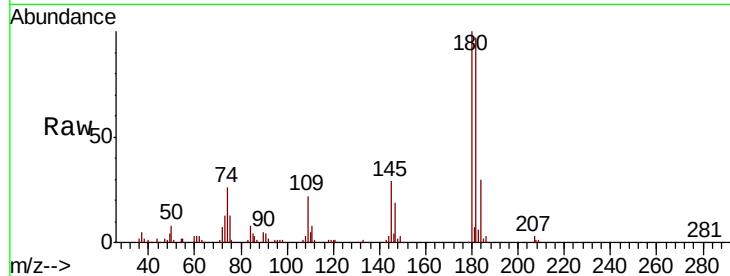
#93
 1,2,4-Trichlorobenzene
 Concen: 18.264 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

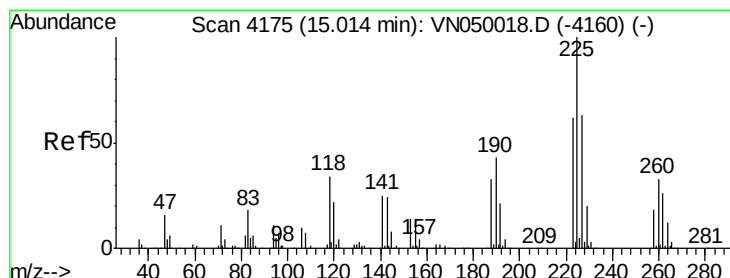
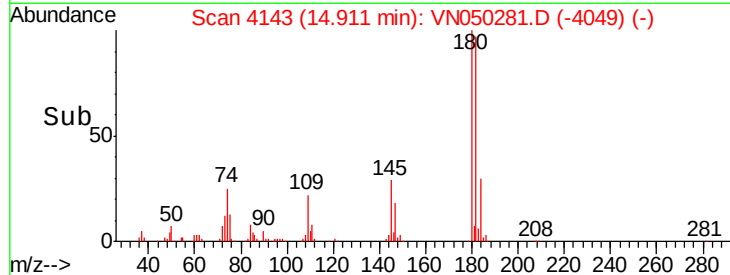
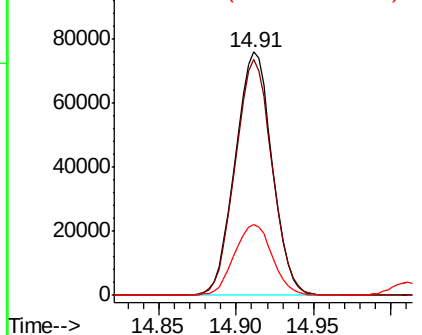
Tot Ion:	180	Resp:	125802
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.7	140.1
145	29.9	13.8	41.4

Manual Integrations
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MMDadoda
 8/3/2018 9:36:55 AM

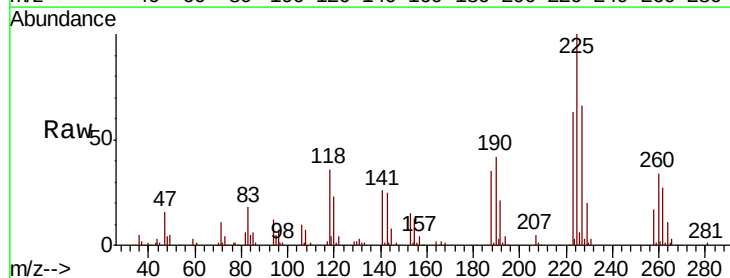


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

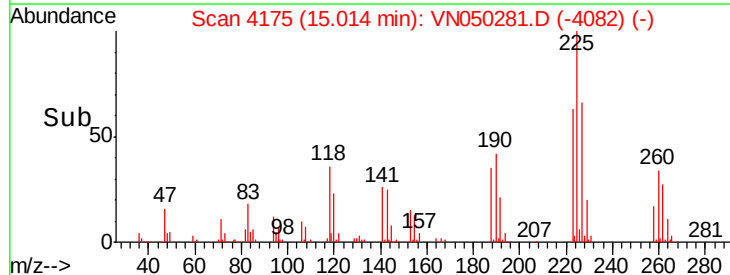
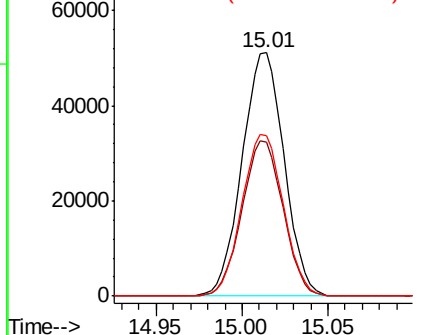


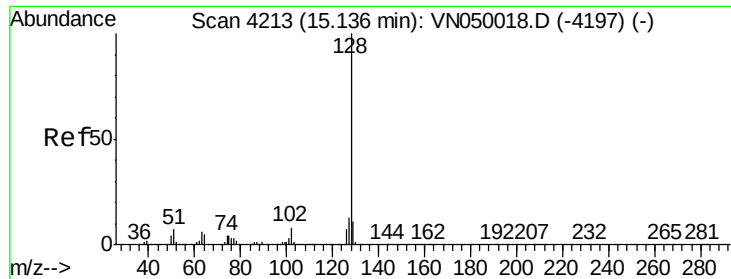
#94
 Hexachlorobutadiene
 Concen: 19.317 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050281.D
 Acq: 2 Aug 2018 23:14

Tgt Ion:	225	Resp:	86719
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.4	94.2
227	65.4	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





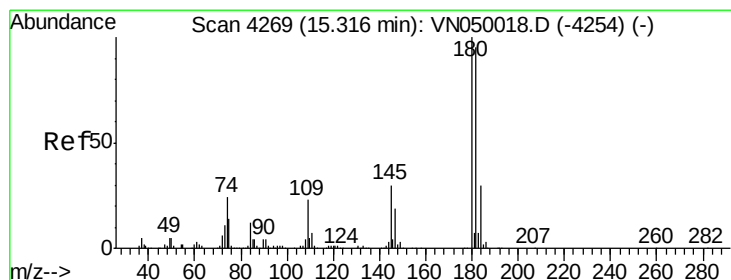
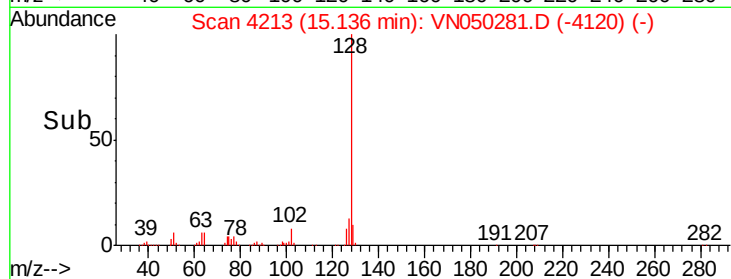
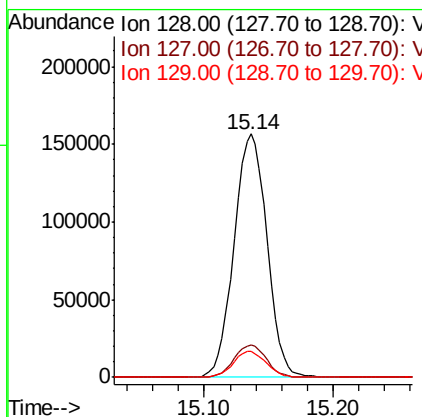
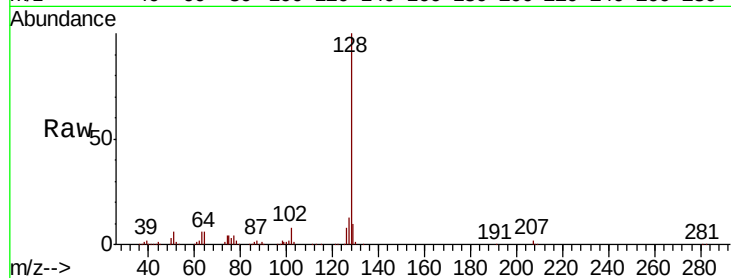
#95
Naphthalene
Concen: 18.203 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Instrument :
MSVOA_N
ClientSampleId :
VN0802WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	278063		
127	13.2		10.4	15.6
129	10.5		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.220 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050281.D
Acq: 2 Aug 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134830		
182	96.5		48.1	144.4
145	31.2		15.3	45.9

