

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	706440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	540148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1253849	133.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.76%	
35) Dibromofluoromethane	7.59	113	1183100	143.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.54%	
50) Toluene-d8	10.09	98	4666396	150.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.70%	
62) 4-Bromofluorobenzene	12.40	95	1663786	158.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1101515	140.34	ug/l	98
3) Chloromethane	2.06	50	1446420	138.02	ug/l	99
4) Vinyl Chloride	2.18	62	1437398	141.32	ug/l	99
5) Bromomethane	2.54	94	806473	129.36	ug/l	98
6) Chloroethane	2.69	64	852572	136.67	ug/l	100
7) Trichlorofluoromethane	3.01	101	1849866	141.08	ug/l	100
8) Diethyl Ether	3.41	74	673520	141.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1130733	139.41	ug/l	100
10) Methyl Iodide	3.95	142	1019146	260.13	ug/l	100
11) Tert butyl alcohol	4.79	59	376885	535.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1086117	142.35	ug/l	99
13) Acrolein	3.61	56	136332	181.08	ug/l	99
14) Allyl chloride	4.32	41	1761176	144.90	ug/l	98
15) Acrylonitrile	4.99	53	2002087	647.68	ug/l	100
16) Acetone	3.82	43	1665488	564.64	ug/l	100
17) Carbon Disulfide	4.05	76	3410958	137.44	ug/l	100
18) Methyl Acetate	4.33	43	933705	111.03	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2980595	140.07	ug/l	100
20) Methylene Chloride	4.55	84	1241189	118.19	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1182866	143.34	ug/l	98
22) Diisopropyl ether	5.95	45	3651942	146.43	ug/l	99
23) Vinyl Acetate	5.90	43	12535281	715.68	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2151637	140.15	ug/l	100
25) 2-Butanone	6.84	43	2725228	606.99	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1420035	115.71	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1331592	145.82	ug/l	100
28) Bromochloromethane	7.20	49	1003208	141.76	ug/l	100
29) Tetrahydrofuran	7.21	42	1442875	599.08	ug/l	99
30) Chloroform	7.37	83	2135561	139.19	ug/l	99
31) Cyclohexane	7.65	56	2008897	130.68	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1866689	141.67	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1727490	153.73	ug/l	100
37) Ethyl Acetate	6.93	43	998104	128.34	ug/l	100
38) Carbon Tetrachloride	7.77	117	1681589	143.45	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1949005	158.98	ug/l	98
40) Benzene	8.04	78	5091897	147.18	ug/l	100
41) Methacrylonitrile	7.18	41	576767	137.35	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1523766	140.04	ug/l	100
43) Isopropyl Acetate	8.17	43	1778981	131.06	ug/l #	86
44) Trichloroethene	8.84	130	1349953	145.08	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1336624	147.03	ug/l	99
46) Dibromomethane	9.21	93	771563	138.95	ug/l	99
47) Bromodichloromethane	9.40	83	1687827	145.30	ug/l	100
48) Methyl methacrylate	9.20	41	954905	140.93	ug/l	98
49) 1,4-Dioxane	9.20	88	248428	2411.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	6183088	638.00	ug/l	99
52) Toluene	10.16	92	3222169	155.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1766979	153.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1970411	152.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1119586	139.39	ug/l	99
56) Ethyl methacrylate	10.43	69	1527695	152.84	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1909508	144.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3678405	787.74	ug/l	100
59) 2-Hexanone	10.75	43	4173400	621.00	ug/l	99
60) Dibromochloromethane	10.90	129	1328576	149.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1153488	146.34	ug/l	100
64) Tetrachloroethene	10.63	164	1267444	137.80	ug/l	99
65) Chlorobenzene	11.44	112	3611520	146.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1308725	145.07	ug/l	100
67) Ethyl Benzene	11.51	91	6297817	157.54	ug/l	99
68) m/p-Xylenes	11.62	106	4816895	316.29	ug/l	100
69) o-Xylene	11.95	106	2344737	160.11	ug/l	99
70) Styrene	11.96	104	3885151	163.59	ug/l	100
71) Bromoform	12.13	173	946516	146.22	ug/l #	100
73) Isopropylbenzene	12.25	105	6151229	150.63	ug/l	99
74) N-amyl acetate	12.07	43	1649602	129.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1406880	122.03	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1286327m	131.79	ug/l	
77) Bromobenzene	12.53	156	1593498	145.83	ug/l	100
78) n-propylbenzene	12.59	91	7081288	153.33	ug/l	100
79) 2-Chlorotoluene	12.68	91	4183529	146.57	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5074200	153.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	374335	138.77	ug/l	96
82) 4-Chlorotoluene	12.77	91	4321332	151.93	ug/l	100
83) tert-Butylbenzene	12.99	119	4398681	152.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5193348	155.06	ug/l	100
85) sec-Butylbenzene	13.17	105	5785147	150.48	ug/l	100
86) p-Isopropyltoluene	13.29	119	5170819	157.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2829180	145.96	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2785440	144.05	ug/l	99
89) n-Butylbenzene	13.62	91	4351291	156.47	ug/l	100
90) Hexachloroethane	13.88	117	904433	153.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2645282	136.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	210169	109.33	ug/l	97

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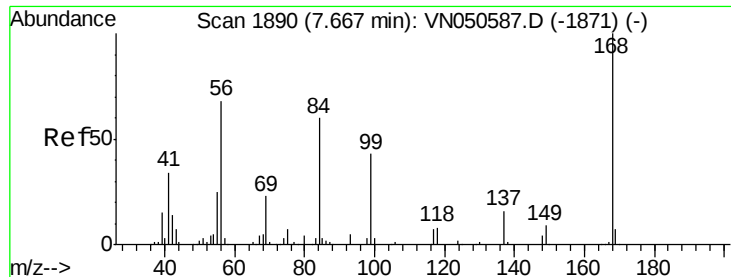
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1523574	156.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	772721	109.07	ug/l	98
95) Naphthalene	15.13	128	3322385	151.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1404772	142.94	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 706440

Ion Ratio Lower Upper

168 100

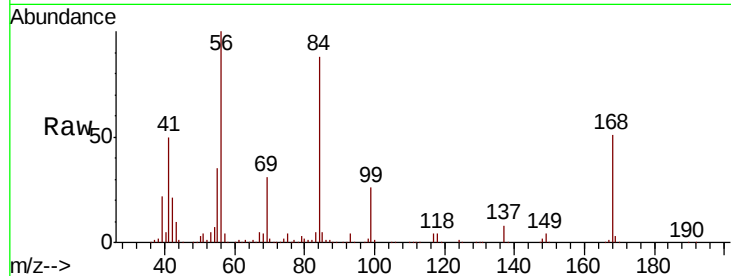
99 50.4 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

500000

400000

300000

200000

100000

0

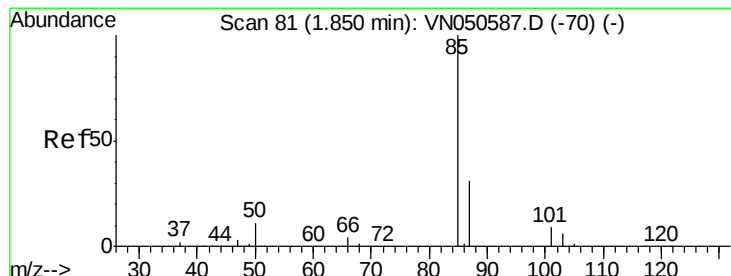
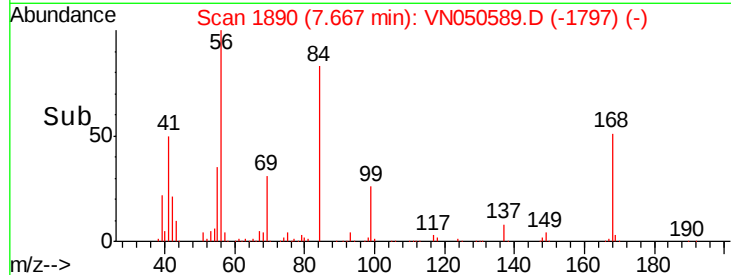
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 140.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050589.D

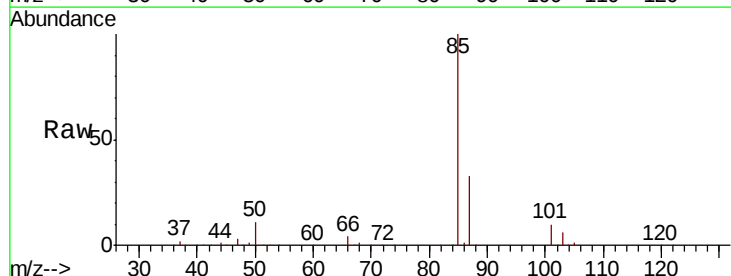
Acq: 14 Aug 2018 1:49

Tgt Ion: 85 Resp: 1101515

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

800000

600000

400000

200000

0

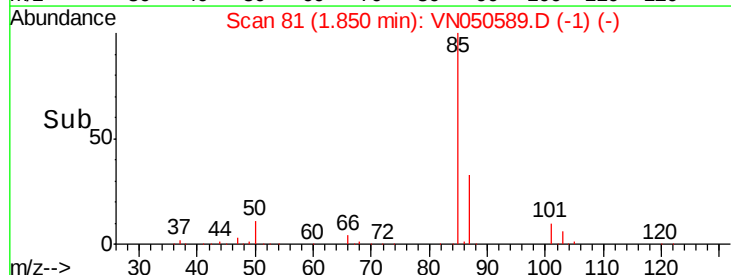
1.80

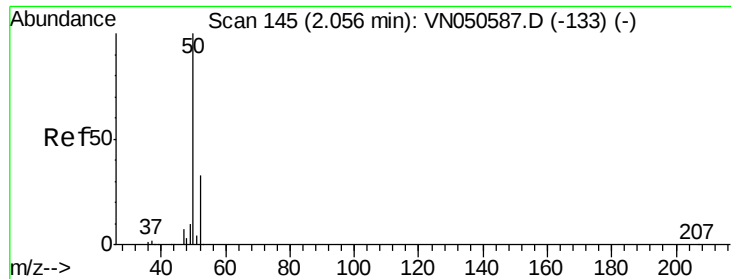
1.85

1.90

2.00

Time-->





#3

Chloromethane

Concen: 138.02 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1446420

Ion Ratio Lower Upper

50 100

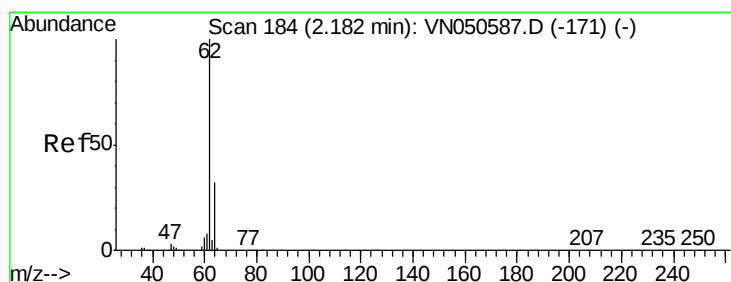
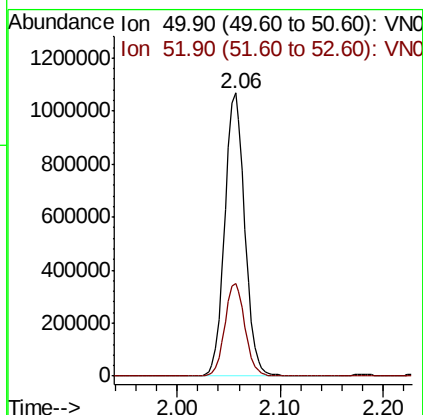
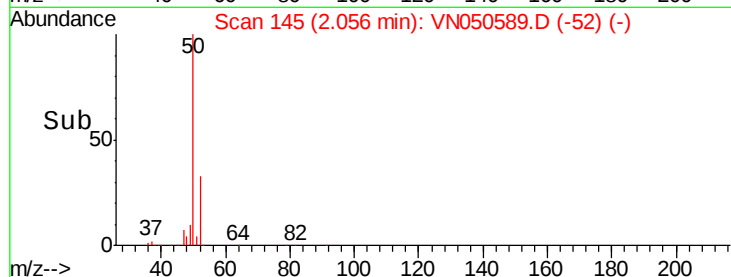
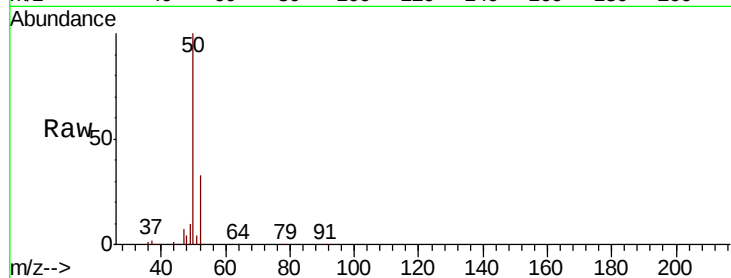
52 33.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 141.32 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050589.D

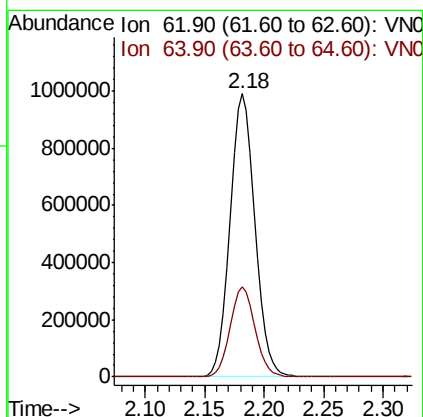
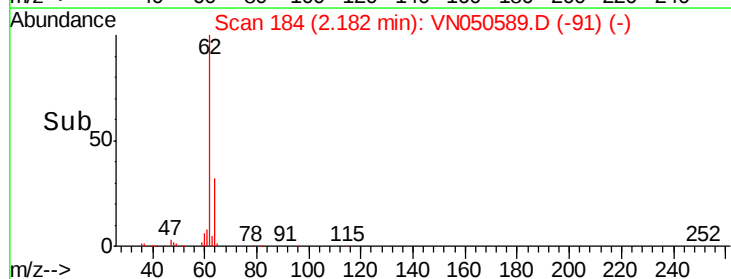
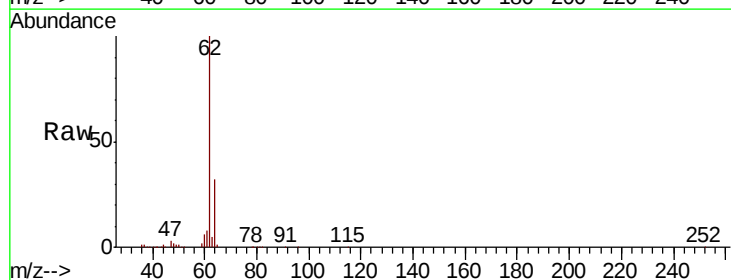
Acq: 14 Aug 2018 1:49

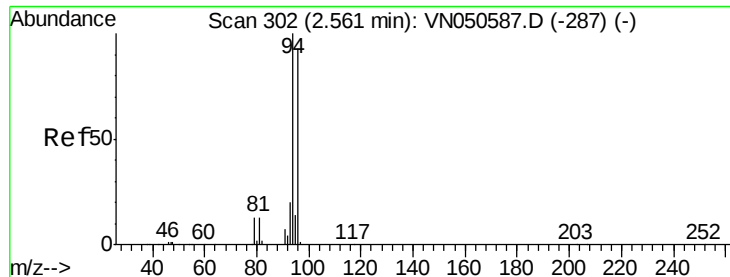
Tgt Ion: 62 Resp: 1437398

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 129.36 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 806473

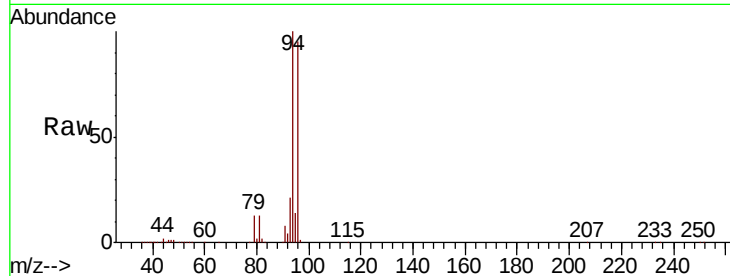
Ion Ratio Lower Upper

94 100

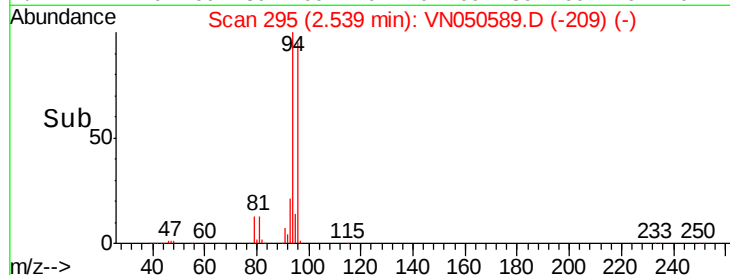
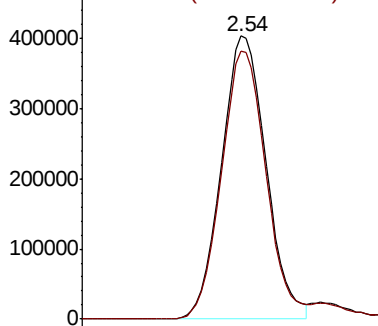
96 94.8 74.0 111.0

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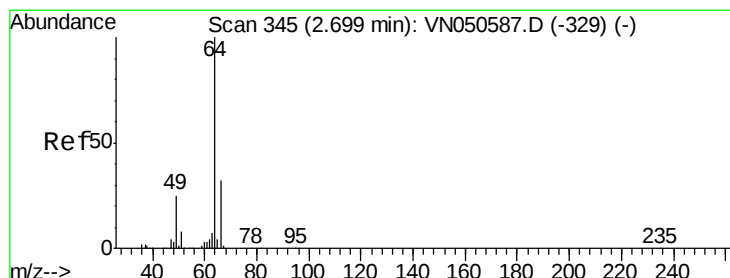
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 136.67 ug/l

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050589.D

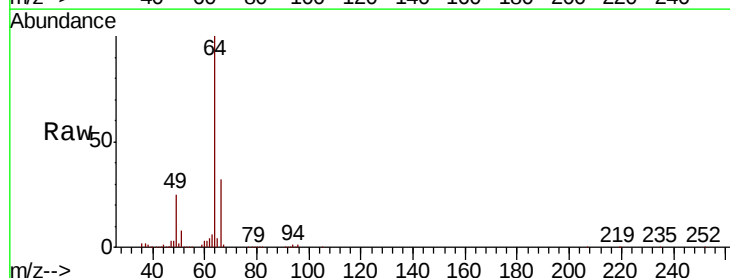
Acq: 14 Aug 2018 1:49

Tgt Ion: 64 Resp: 852572

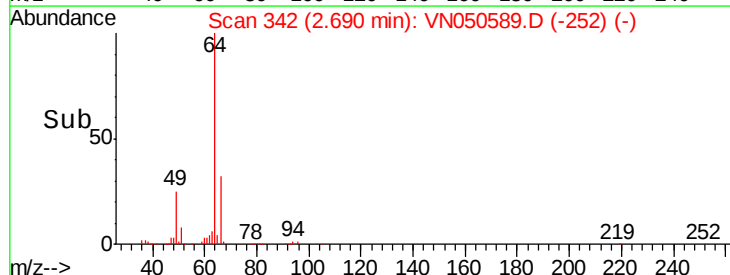
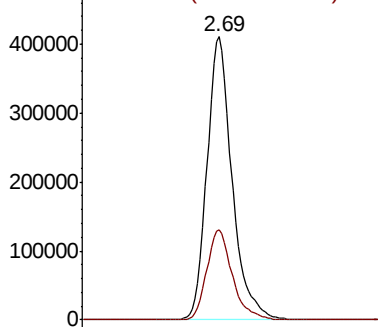
Ion Ratio Lower Upper

64 100

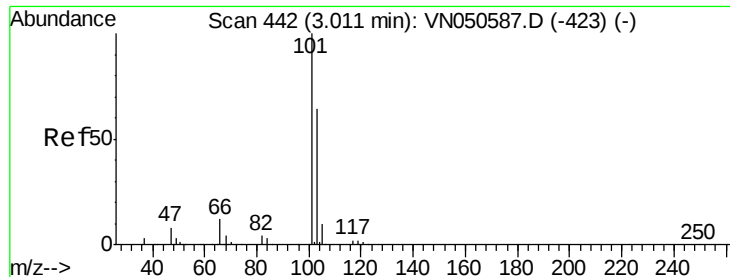
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



Time-->



#7

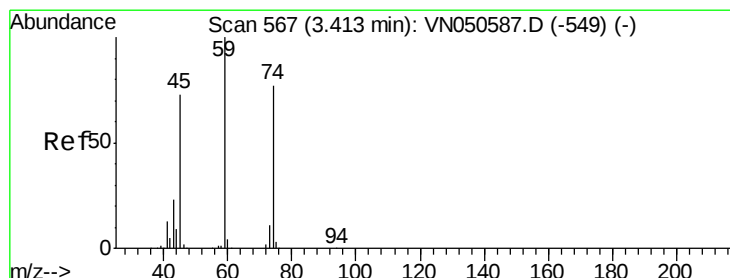
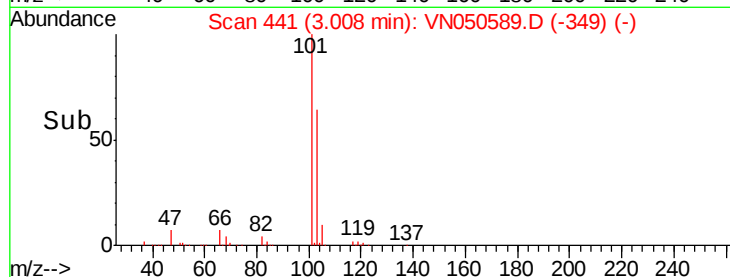
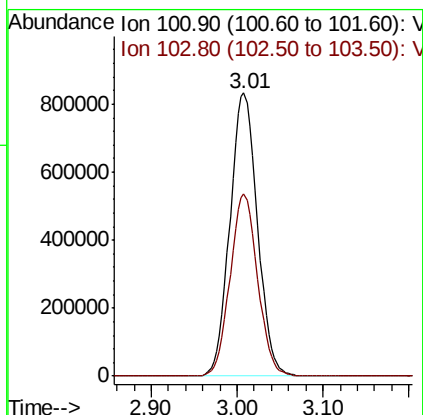
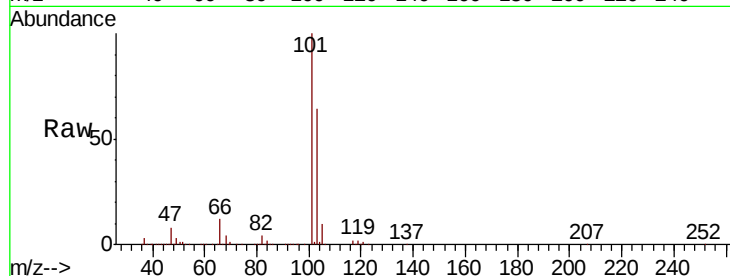
Trichlorofluoromethane
 Concen: 141.08 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1849866
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.0

Manual Integrations
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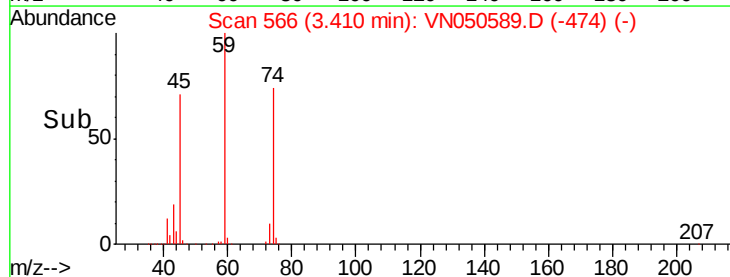
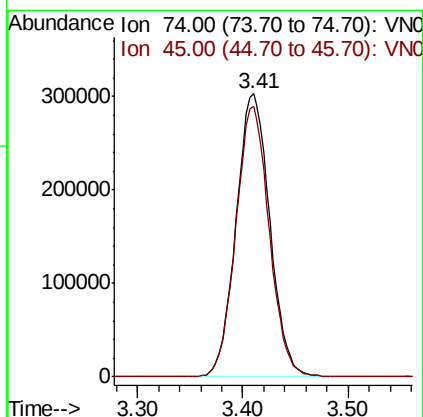
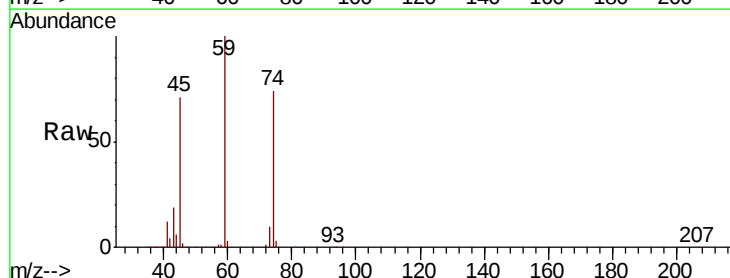
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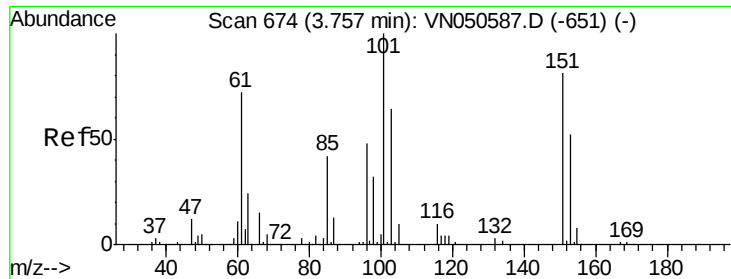


#8

Diethyl Ether
 Concen: 141.30 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 74 Resp: 673520
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.41 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1130733

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.0

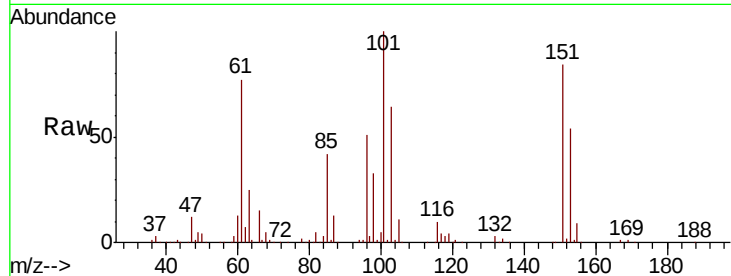
151 83.3 66.6 100.0

Manual Integrations

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8/15/2018 3:21:47 PM

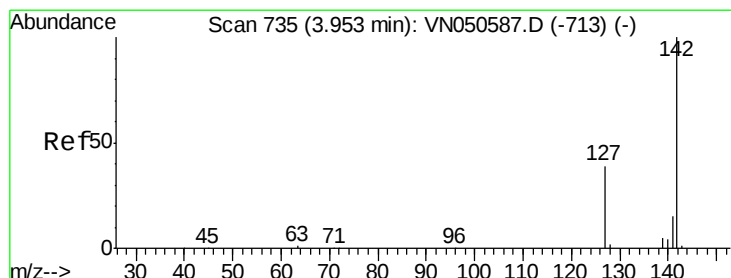
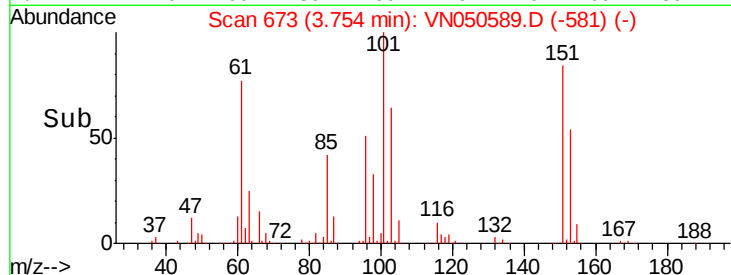
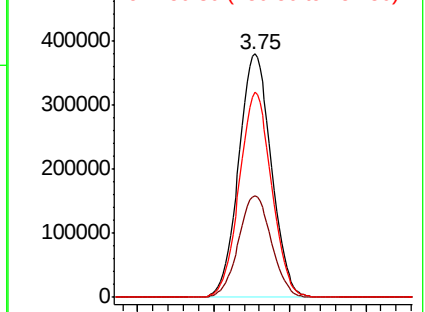


Abundance

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: 260.13 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

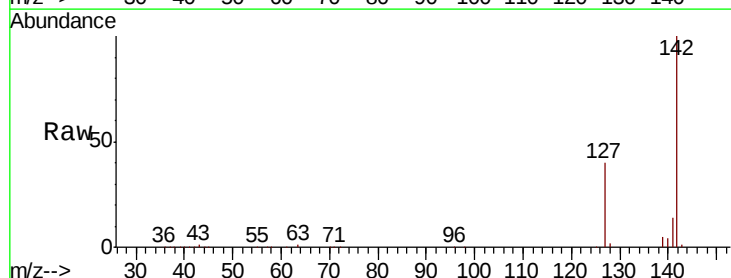
Tgt Ion:142 Resp: 1019146

Ion Ratio Lower Upper

142 100

127 40.6 32.6 49.0

141 14.2 11.5 17.3

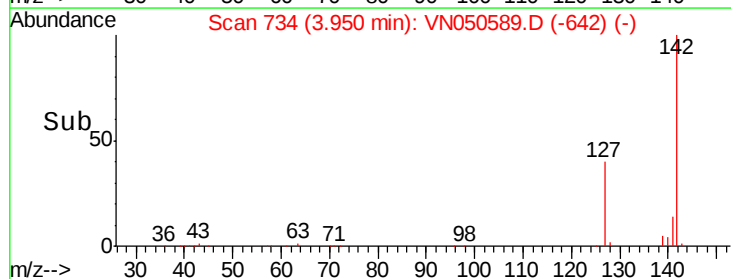
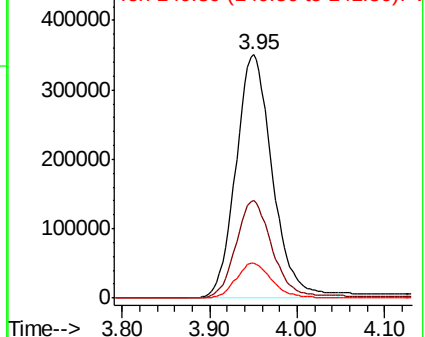


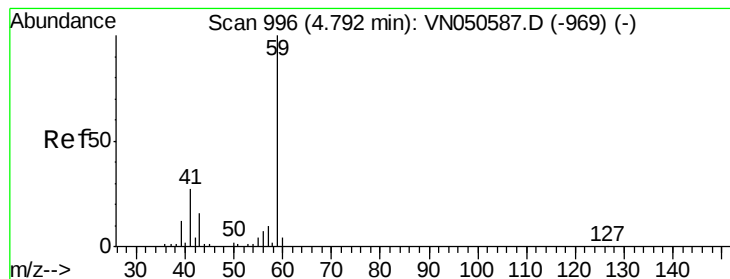
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

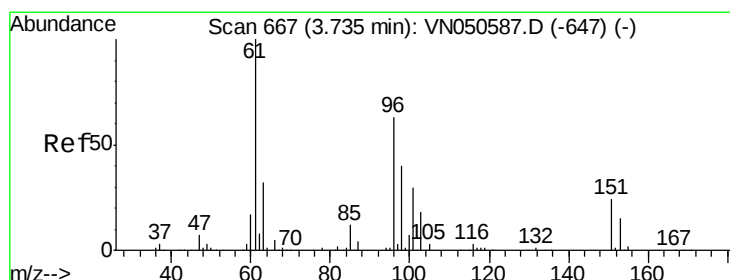
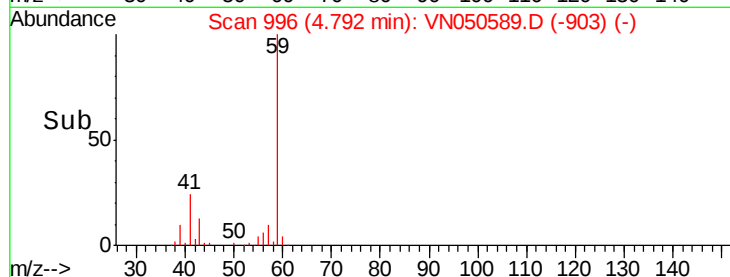
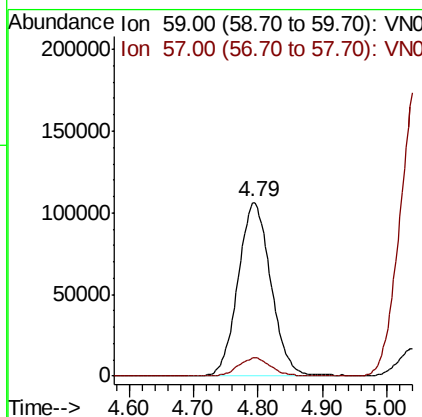
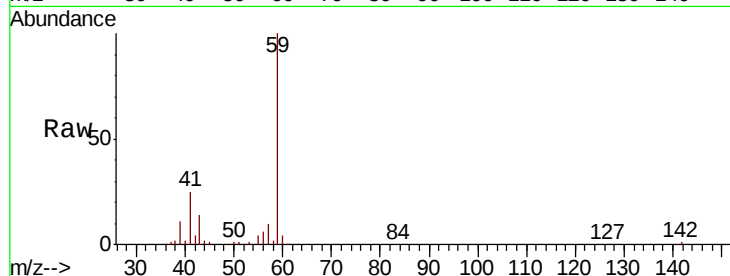
Tert butyl alcohol
 Concen: 535.64 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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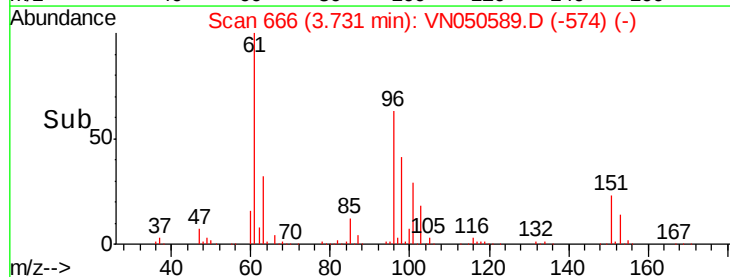
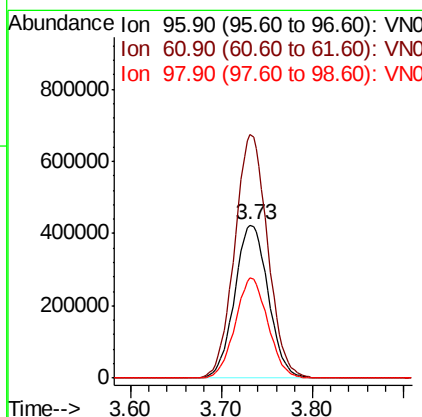
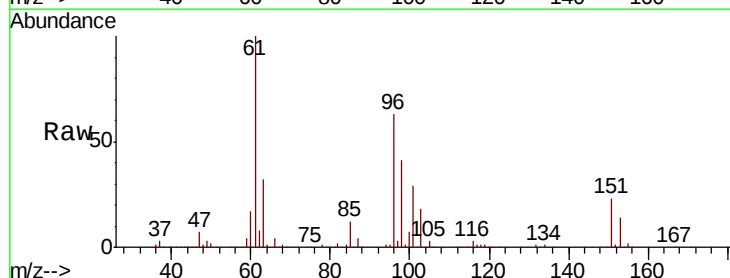
MMDadoda
 8/15/2018 3:21:47 PM

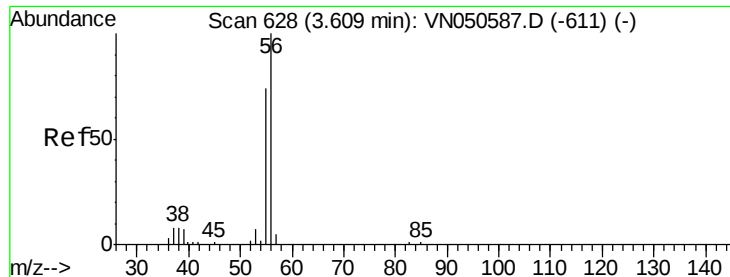


#12

1,1-Dichloroethene
 Concen: 142.35 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	126.9	190.3
98	65.1	51.1	76.7





#13

Acrolein

Concen: 181.08 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 136332

Ion Ratio Lower Upper

56 100

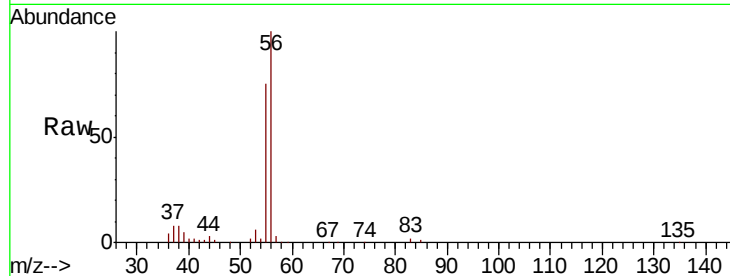
55 71.6 56.3 84.5

Manual Integrations

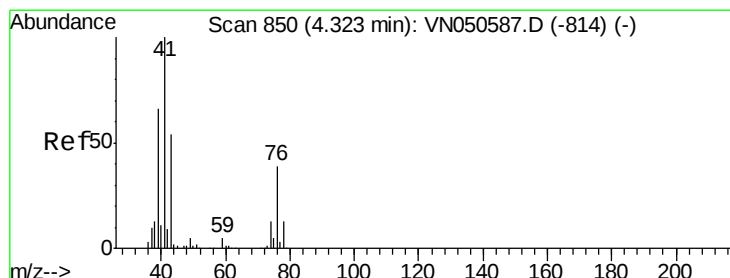
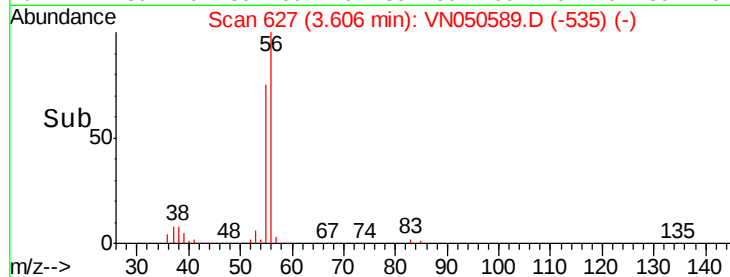
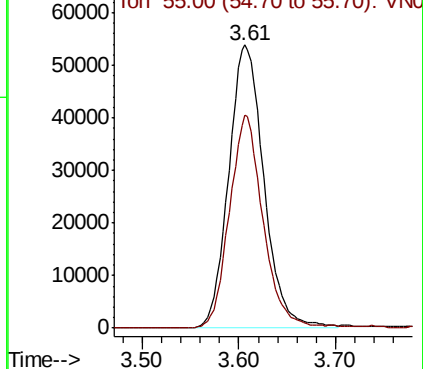
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Abundance Ion 56.00 (55.70 to 56.70): VN050589.D (-535) (-)



#14

Allyl chloride

Concen: 144.90 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

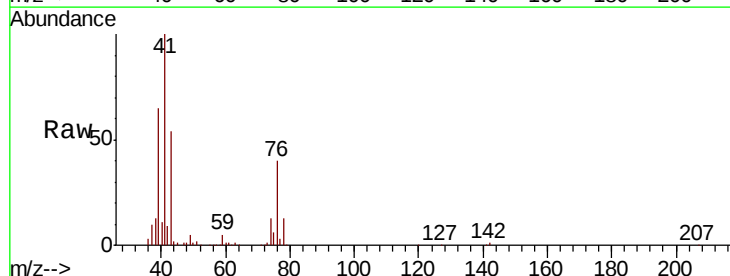
Tgt Ion: 41 Resp: 1761176

Ion Ratio Lower Upper

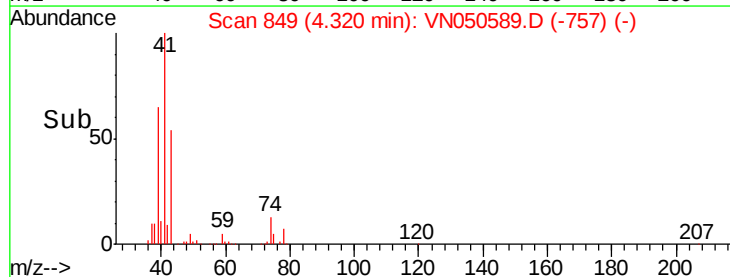
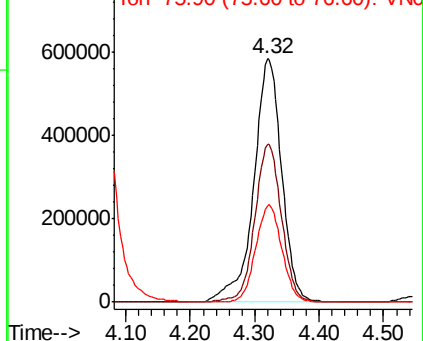
41 100

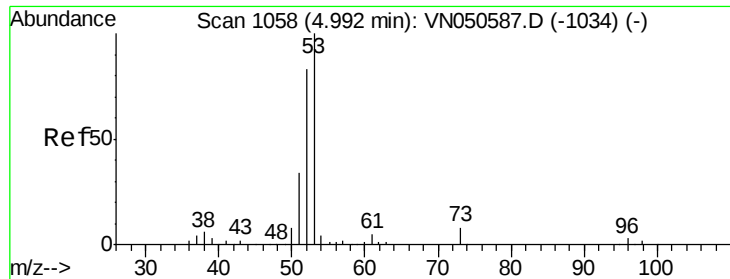
39 62.1 51.4 77.0

76 37.1 29.4 44.0



Abundance Ion 41.00 (40.70 to 41.70): VN050589.D (-757) (-)





#15

Acrylonitrile

Concen: 647.68 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2002087

Ion Ratio Lower Upper

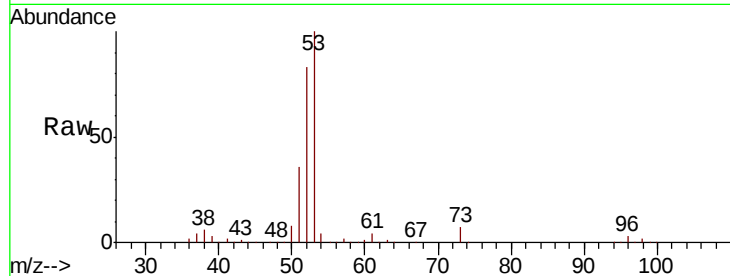
53 100

52 82.4 66.2 99.2

51 35.7 28.6 43.0

Manual Integrations
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8/15/2018 3:21:47 PM



Abundance Ion 53.00 (52.70 to 53.70): VN050589.D (-1034) (-)

Ion 52.00 (51.70 to 52.70): VN050589.D (-1034) (-)

Ion 51.00 (50.70 to 51.70): VN050589.D (-1034) (-)

4.99

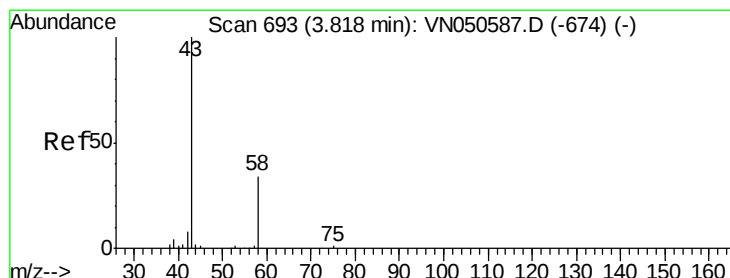
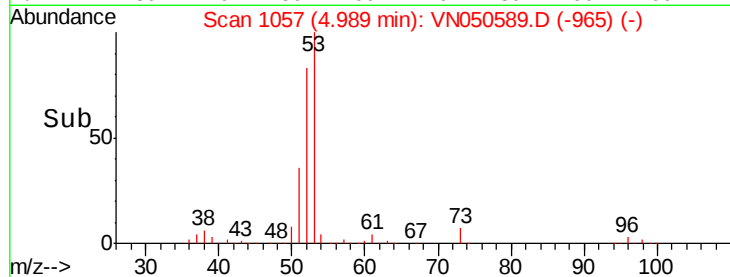
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 564.64 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN050589.D

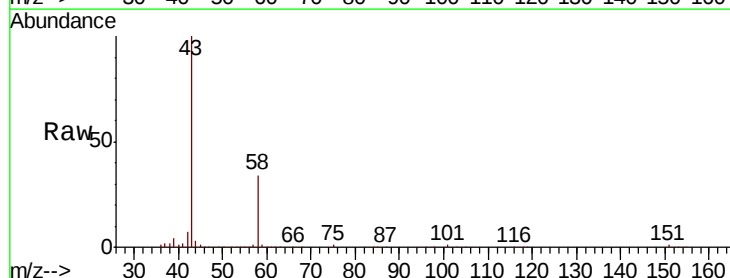
Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 1665488

Ion Ratio Lower Upper

43 100

58 33.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050589.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050589.D (-600) (-)

3.82

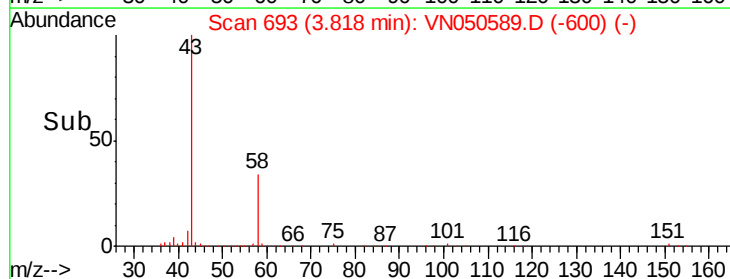
600000

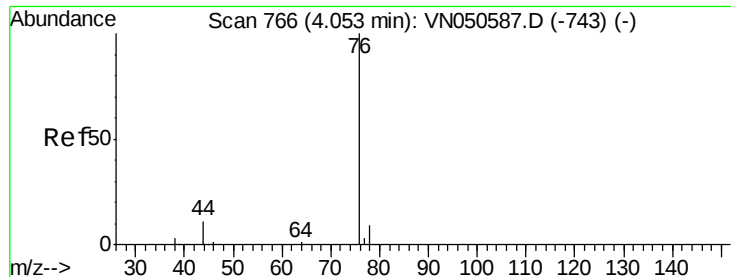
400000

200000

0

Time-->





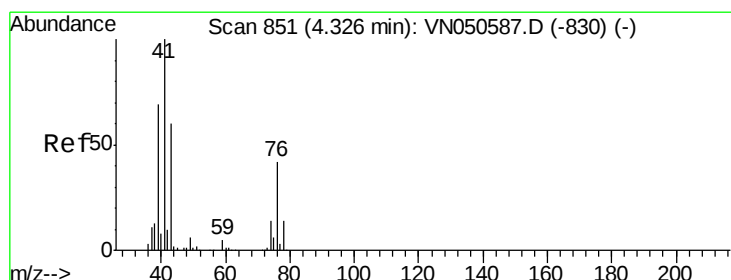
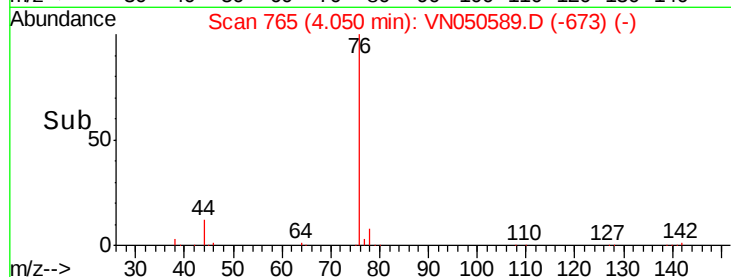
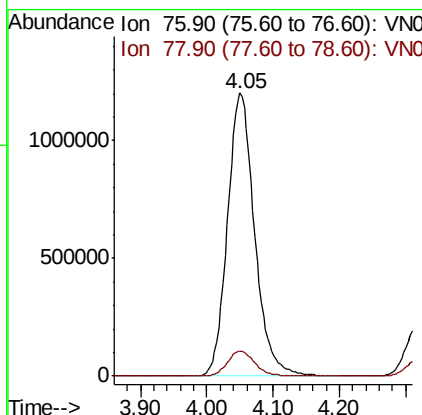
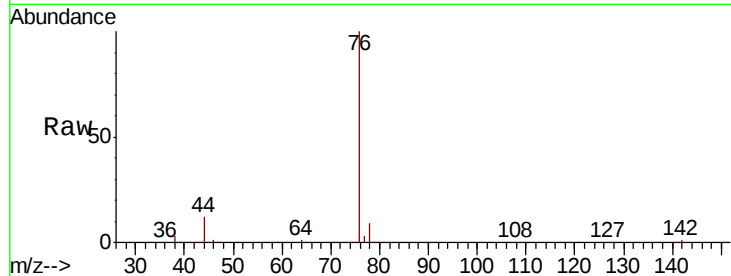
#17
Carbon Disulfide
Concen: 137.44 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3410958
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

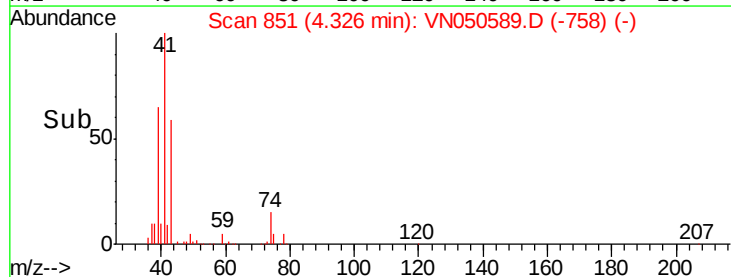
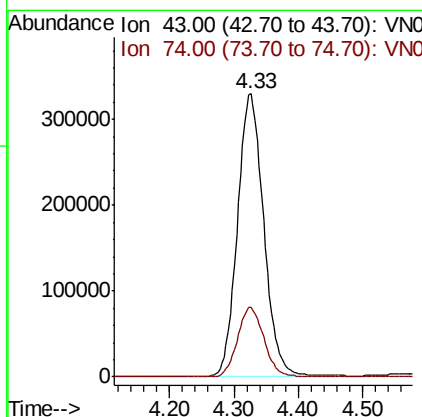
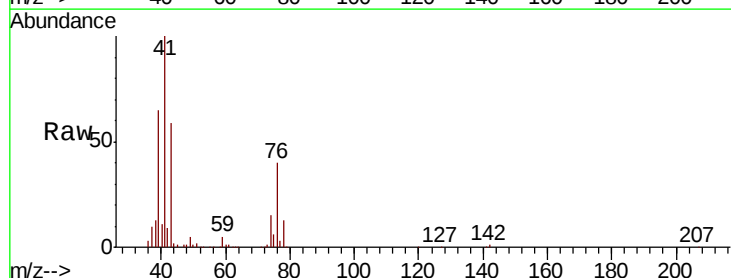
Manual Integrations
APPROVED

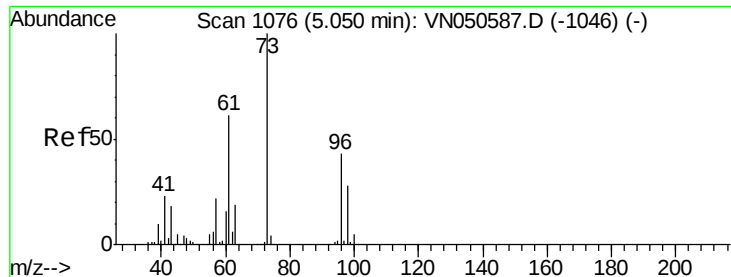
MMDadoda
8/15/2018 3:21:47 PM



#18
Methyl Acetate
Concen: 111.03 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 933705
Ion Ratio Lower Upper
43 100
74 24.9 19.7 29.5





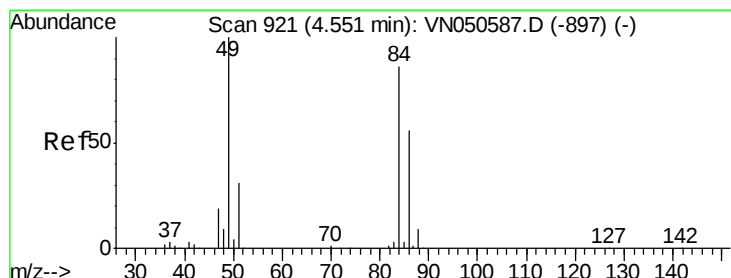
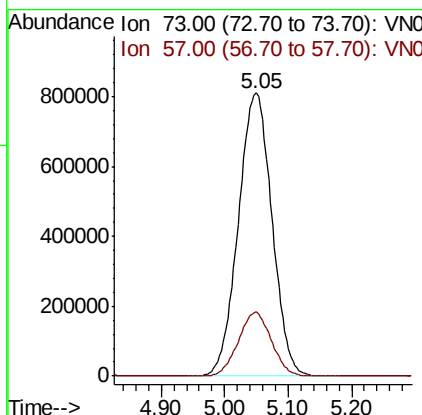
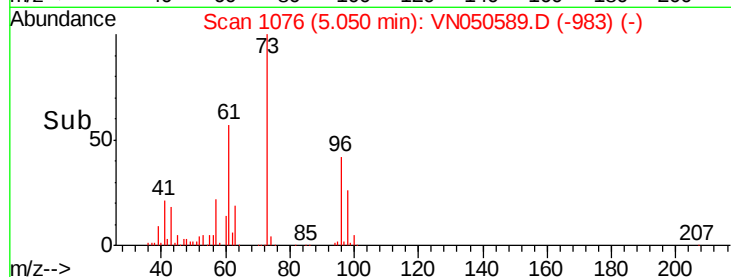
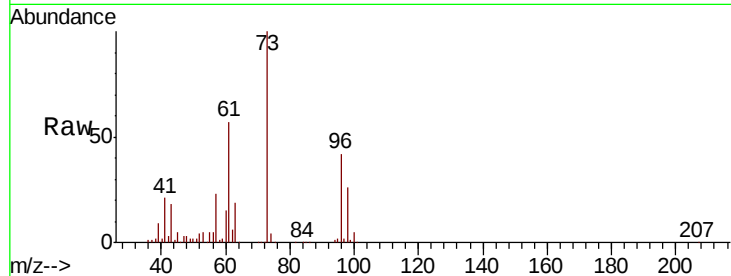
#19
Methvl tert-butvl Ether
Concen: 140.07 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2980595
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

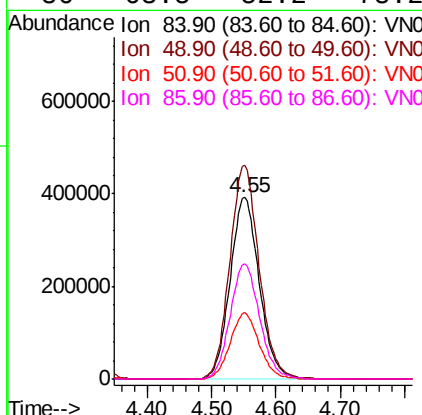
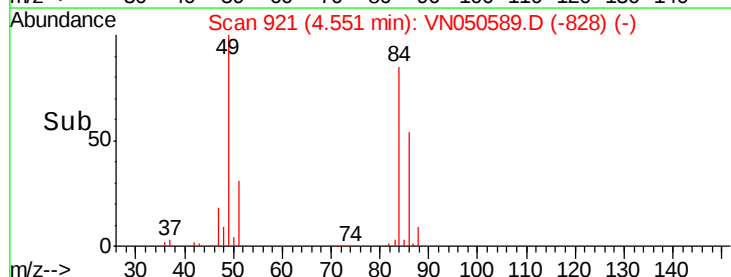
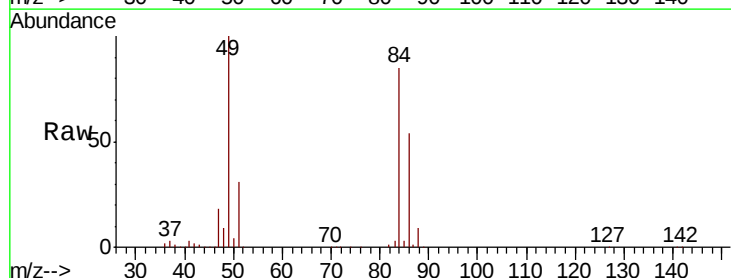
Manual Integrations
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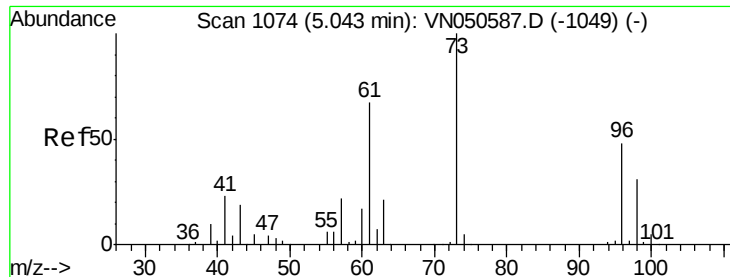
MMDadoda
8/15/2018 3:21:47 PM



#20
Methylene Chloride
Concen: 118.19 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 84 Resp: 1241189
Ion Ratio Lower Upper
84 100
49 117.8 92.6 138.8
51 36.4 28.6 43.0
86 63.5 52.2 78.2





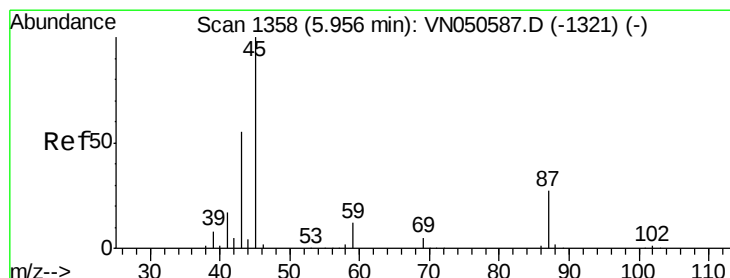
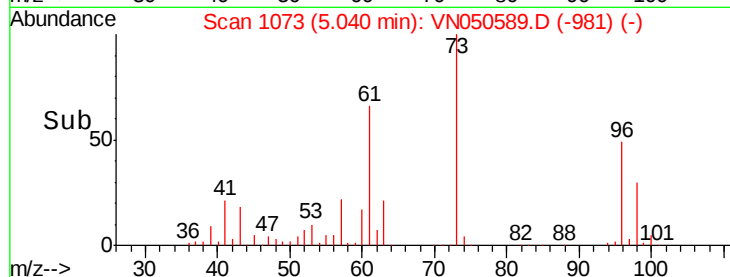
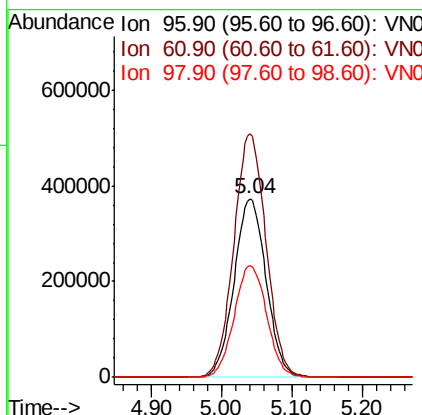
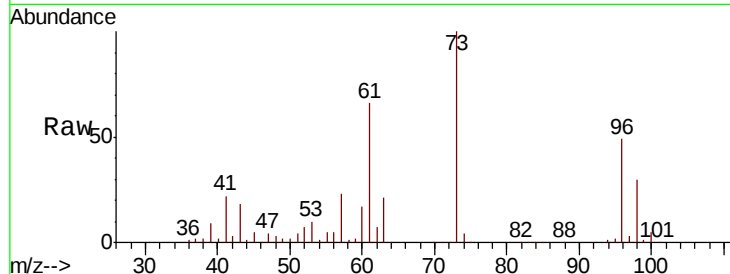
#21
trans-1,2-Dichloroethene
Concen: 143.34 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1182866
Ion Ratio Lower Upper
96 100
61 136.3 111.2 166.8
98 62.5 51.6 77.4

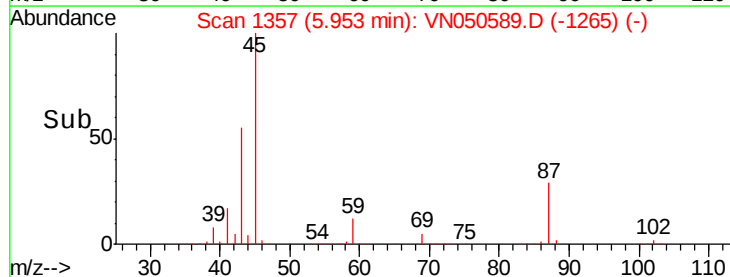
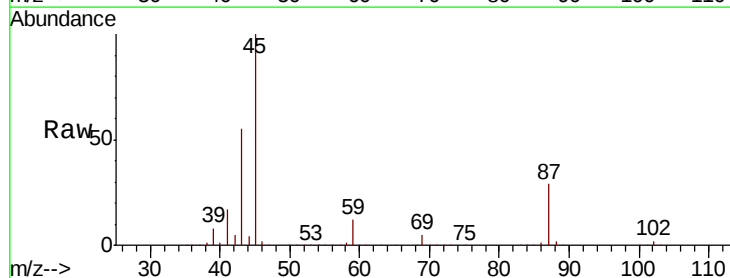
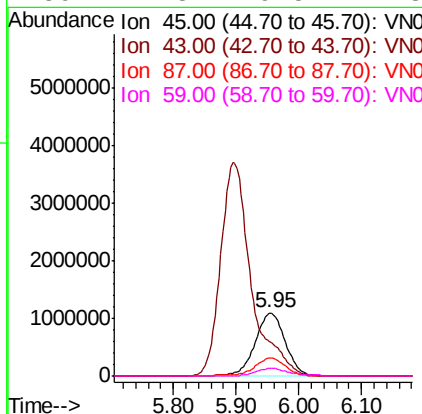
Manual Integrations
APPROVED

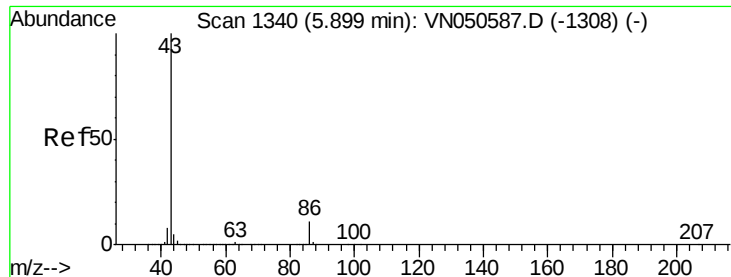
MMDadoda
8/15/2018 3:21:47 PM



#22
Diisopropyl ether
Concen: 146.43 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 45 Resp: 3651942
Ion Ratio Lower Upper
45 100
43 55.1 44.5 66.7
87 28.5 22.2 33.2
59 11.8 9.5 14.3





#23

Vinyl Acetate

Concen: 715.68 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:12535281

Ion Ratio Lower Upper

43 100

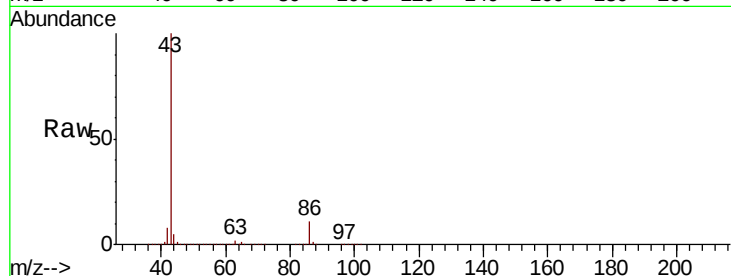
86 10.8 8.4 12.6

Manual Integrations

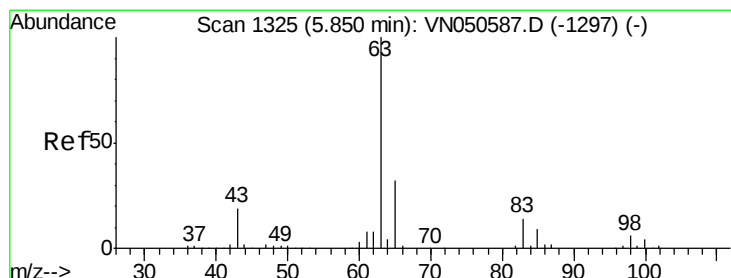
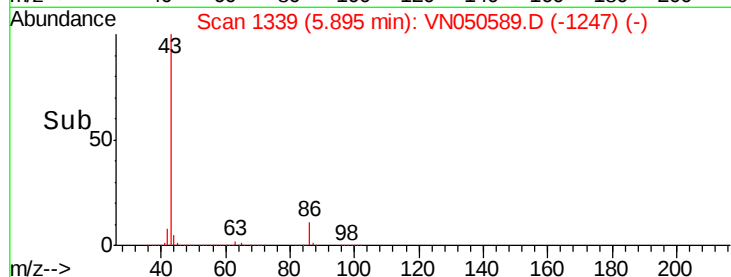
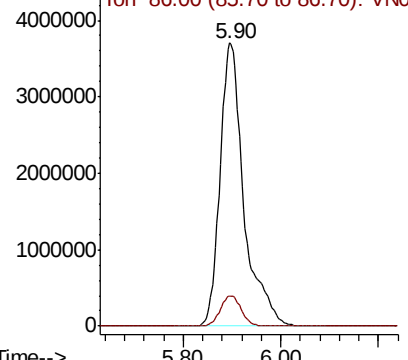
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Abundance Ion 43.00 (42.70 to 43.70): VN050589.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 140.15 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

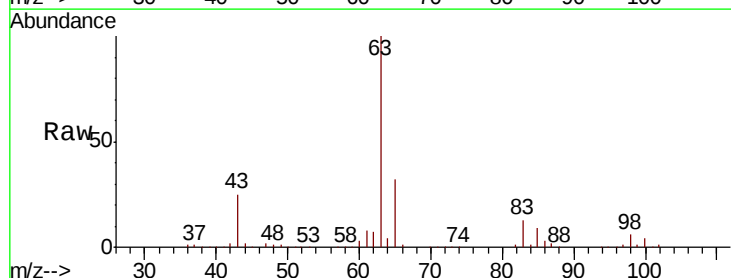
Tgt Ion: 63 Resp: 2151637

Ion Ratio Lower Upper

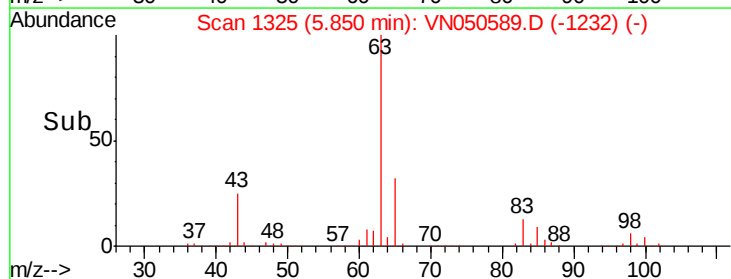
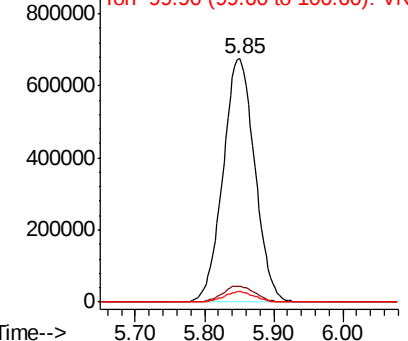
63 100

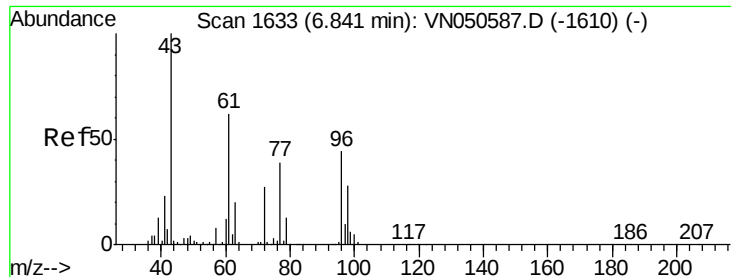
98 6.5 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050589.D (-1232) (-)





#25

2-Butanone

Concen: 606.99 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2725228

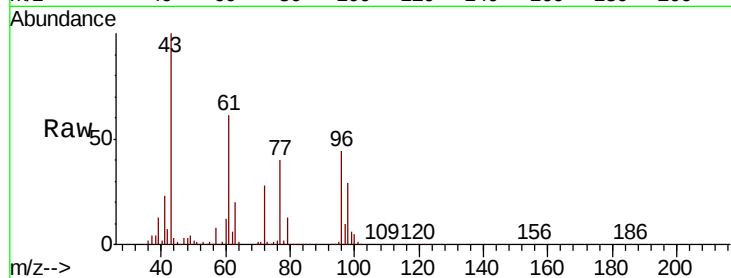
Ion Ratio Lower Upper

43 100

72 27.6 21.8 32.6

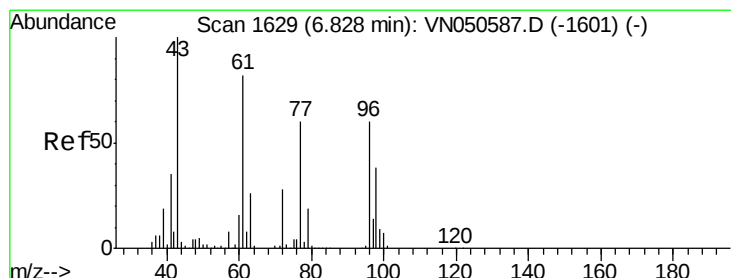
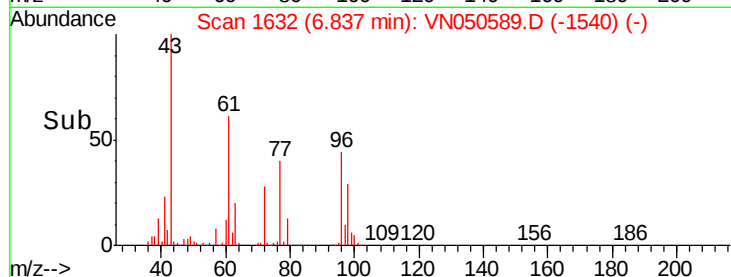
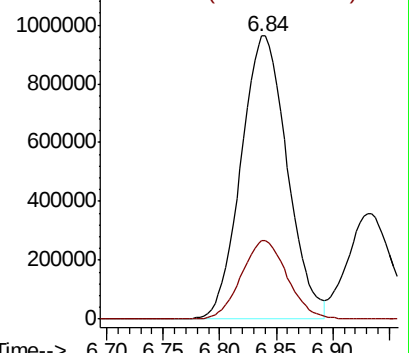
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 115.71 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050589.D

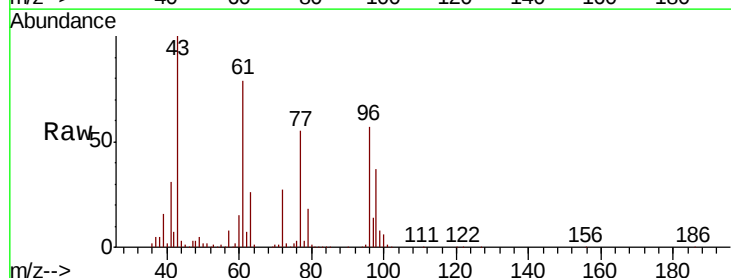
Acq: 14 Aug 2018 1:49

Tgt Ion: 77 Resp: 1420035

Ion Ratio Lower Upper

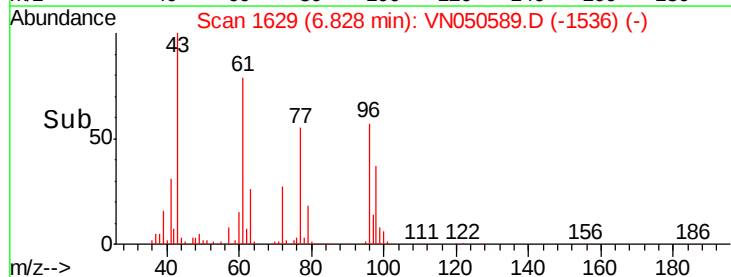
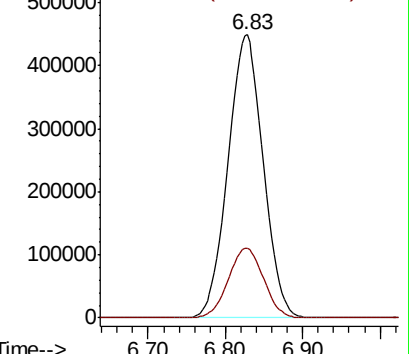
77 100

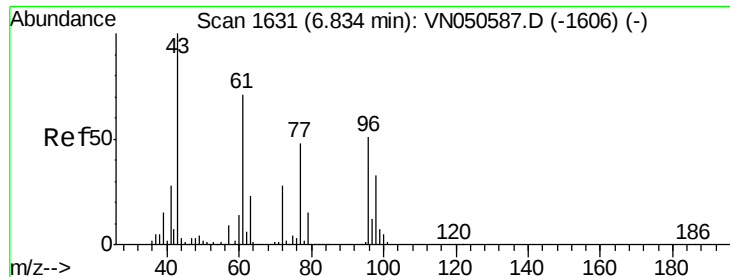
97 24.7 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





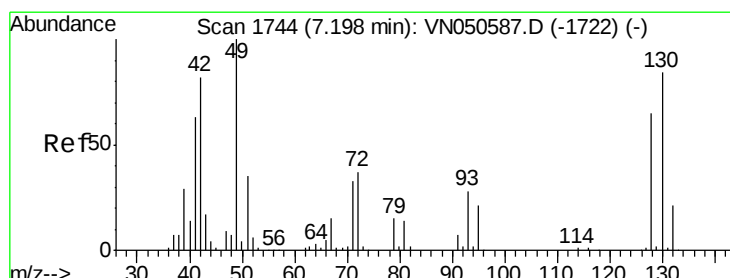
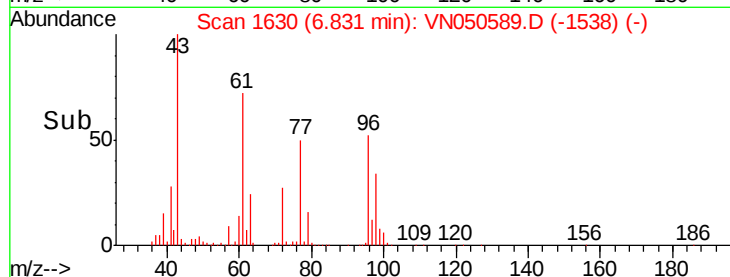
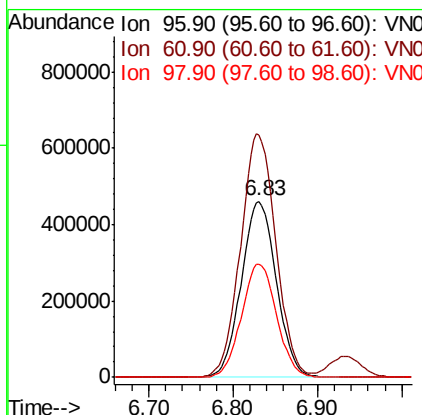
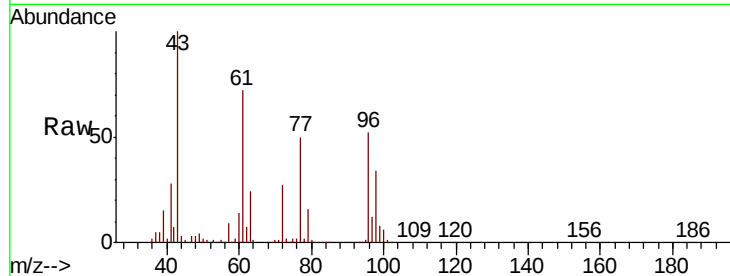
#27
 cis-1,2-Dichloroethene
 Concen: 145.82 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 96 Resp: 1331592
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 278.2
 98 64.5 0.0 128.8

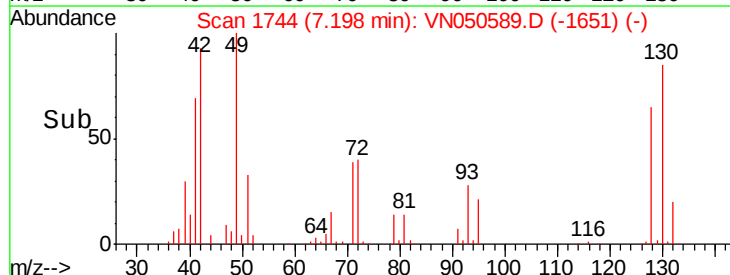
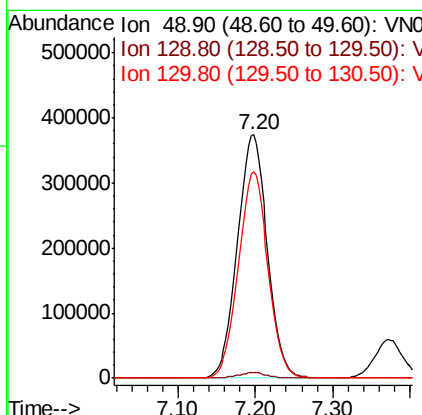
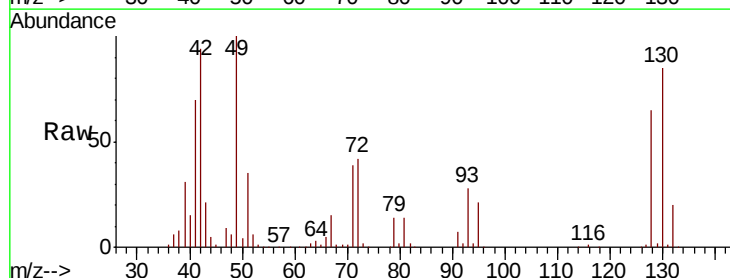
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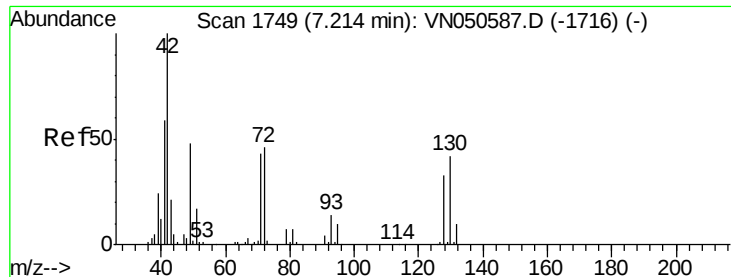
MMDadoda
 8/15/2018 3:21:47 PM



#28
 Bromochloromethane
 Concen: 141.76 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 49 Resp: 1003208
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 83.9 66.8 100.2





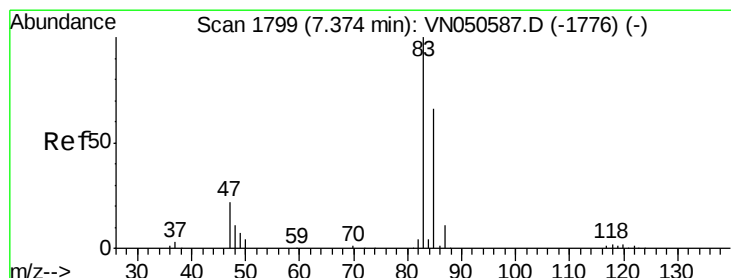
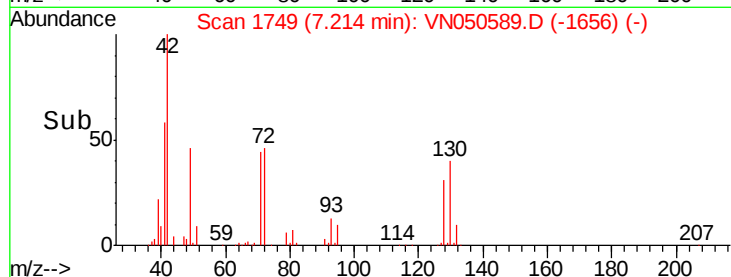
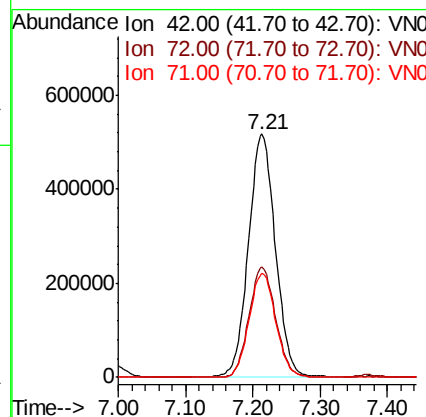
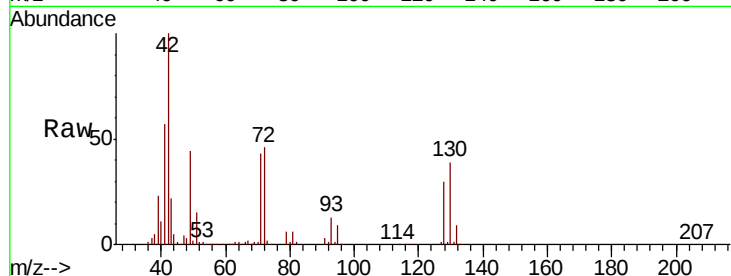
#29
Tetrahydrofuran
Concen: 599.08 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1442875
Ion Ratio Lower Upper
42 100
72 44.8 35.8 53.6
71 42.3 33.4 50.0

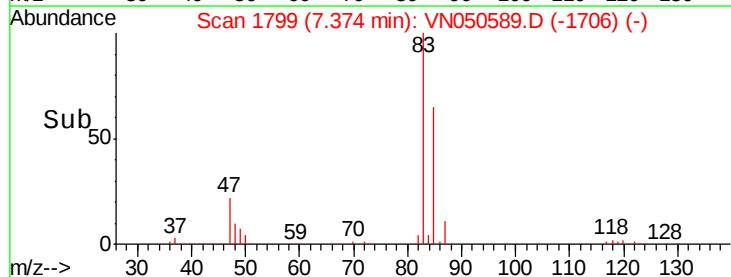
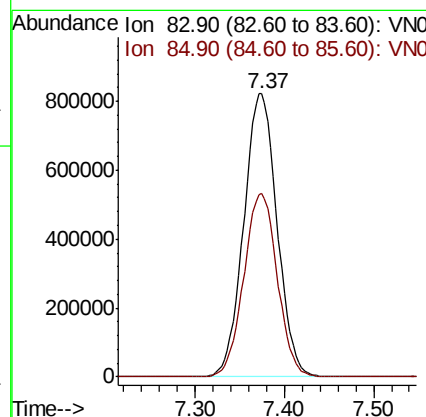
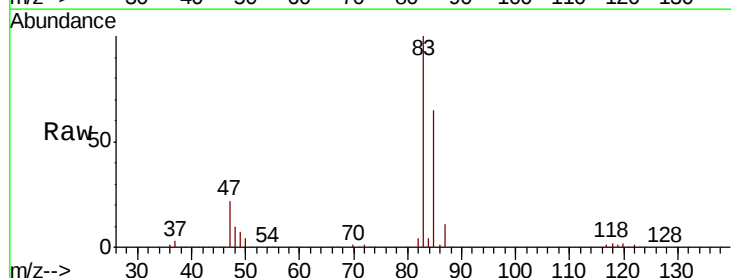
Manual Integrations
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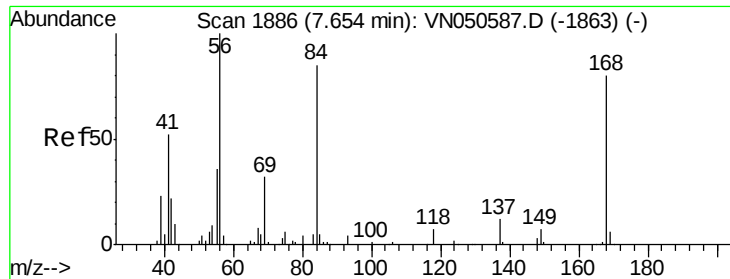
MMDadoda
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#30
Chloroform
Concen: 139.19 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 83 Resp: 2135561
Ion Ratio Lower Upper
83 100
85 64.9 52.5 78.7





#31

Cyclohexane

Concen: 130.68 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2008897

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.6

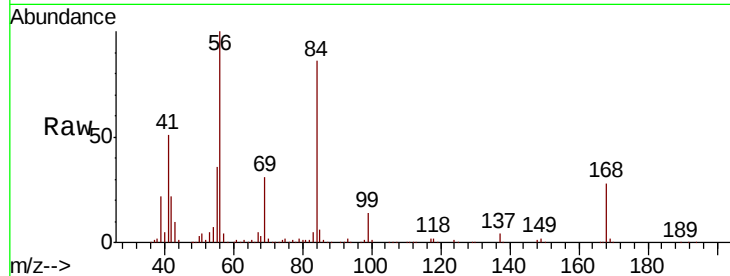
84 85.1 67.8 101.6

Manual Integrations

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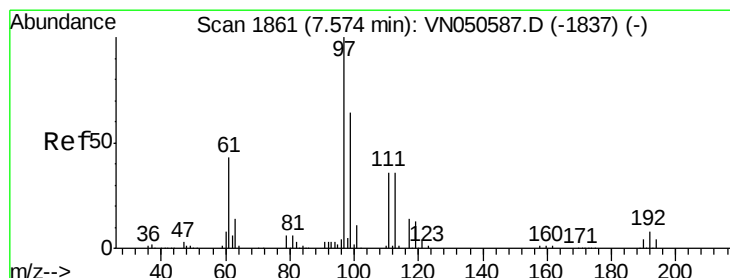
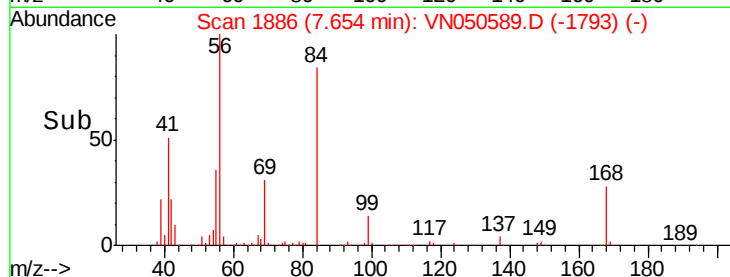
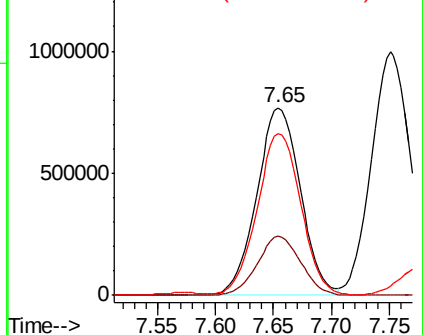
8/15/2018 3:21:47 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 141.67 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

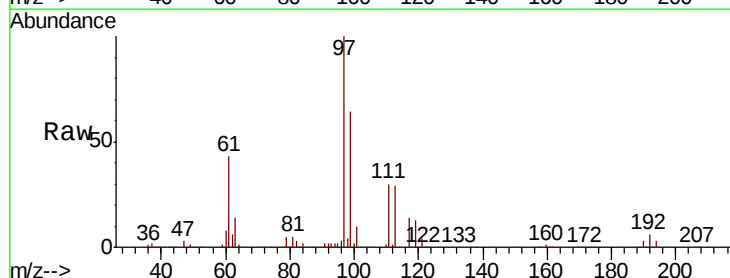
Tgt Ion: 97 Resp: 1866689

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

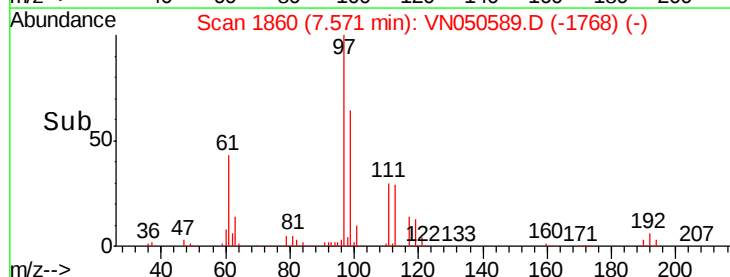
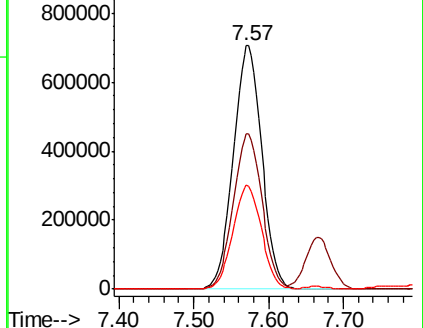
61 42.9 34.8 52.2

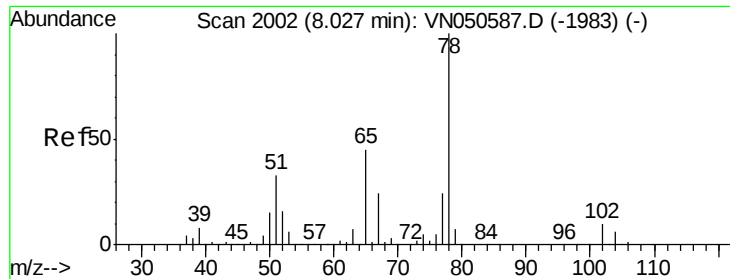


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 133.88 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 1253849

Ion Ratio Lower Upper

65 100

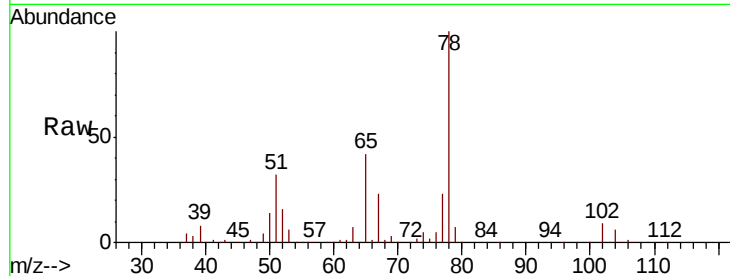
67 55.1 0.0 109.8

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Abundance Ion 64.90 (64.60 to 65.60): VN050589.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN050589.D (-1909) (-)

8.03

600000

500000

400000

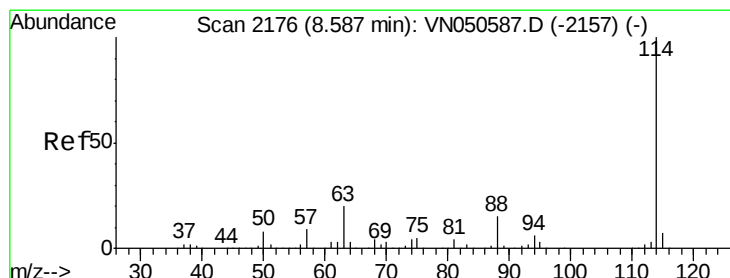
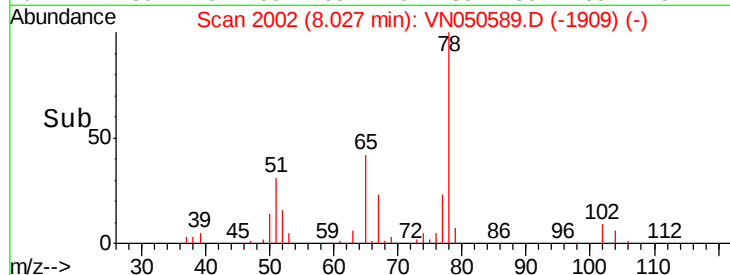
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

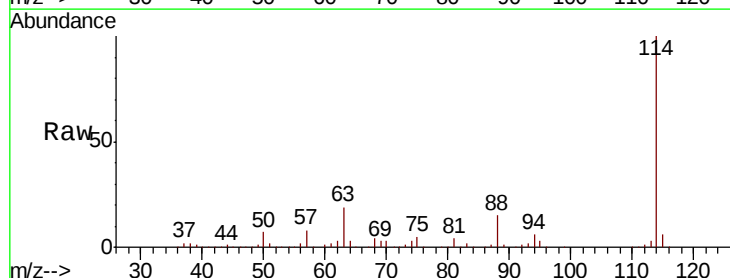
Tgt Ion: 114 Resp: 1024229

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN050589.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN050589.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN050589.D (-2083) (-)

8.59

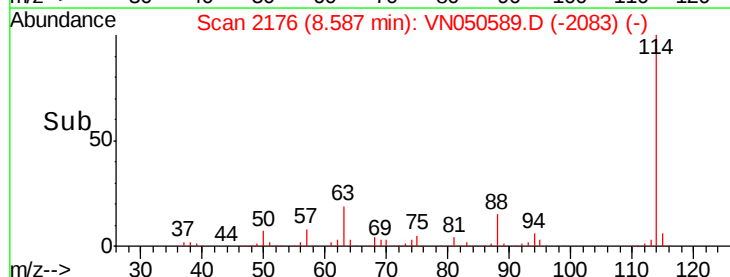
600000

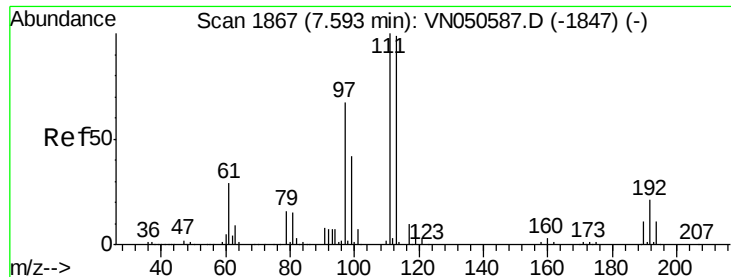
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 143.77 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 1183100

Ion Ratio Lower Upper

113 100

111 102.3 81.0 121.6

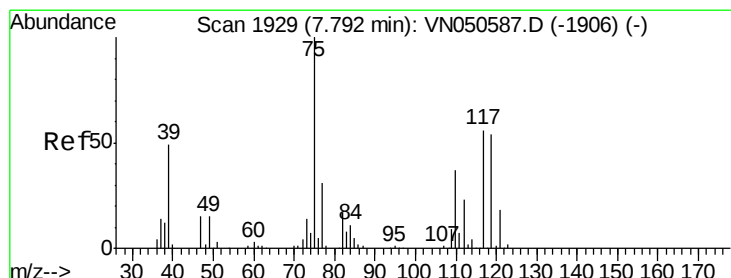
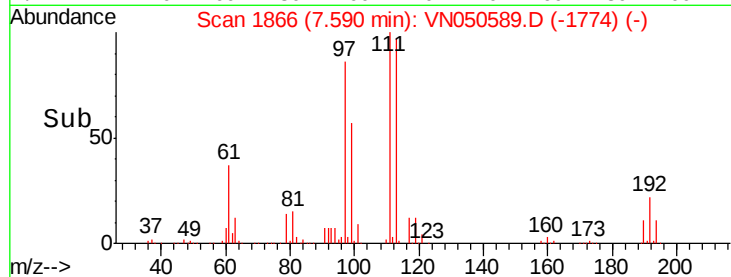
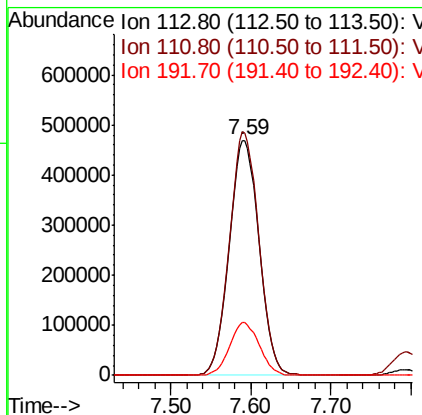
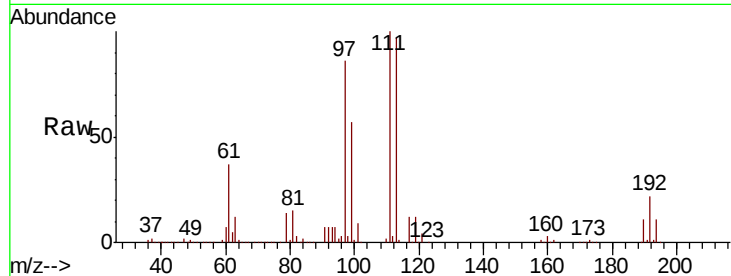
192 22.4 17.6 26.4

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#36

1,1-Dichloropropene

Concen: 153.73 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

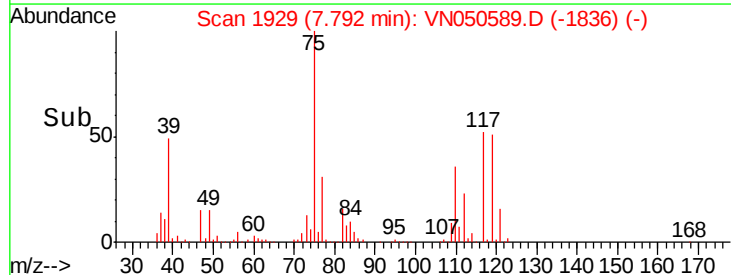
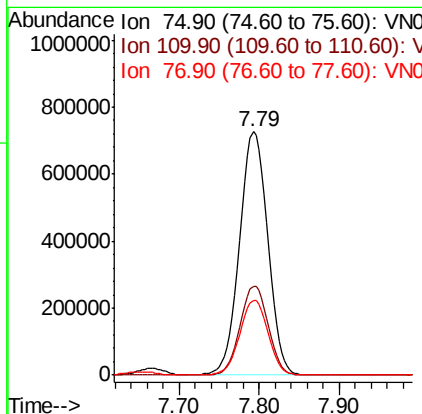
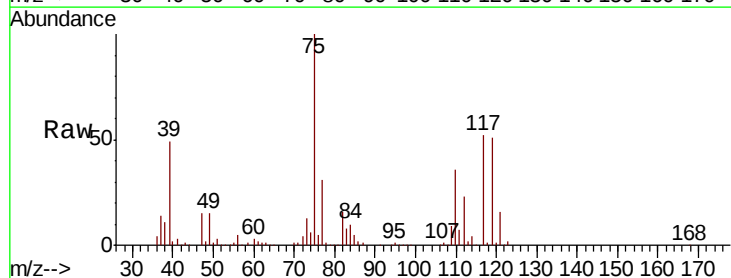
Tgt Ion: 75 Resp: 1727490

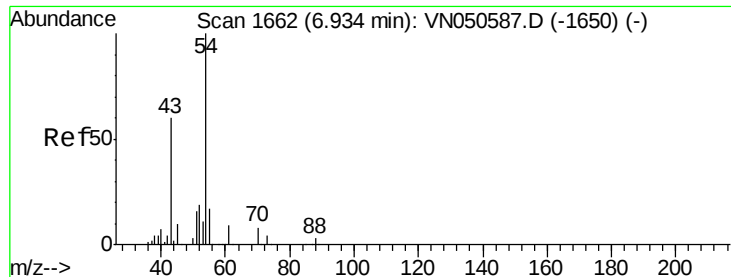
Ion Ratio Lower Upper

75 100

110 36.4 18.3 54.9

77 31.1 25.0 37.4





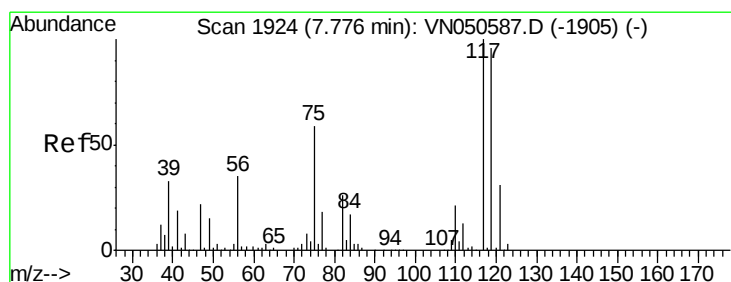
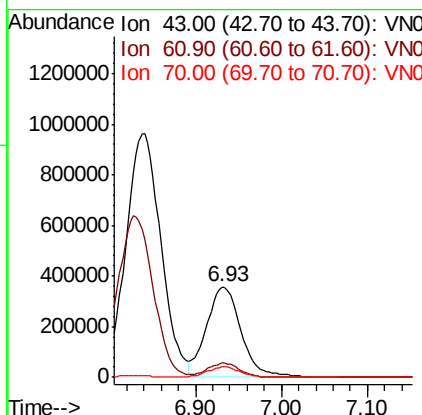
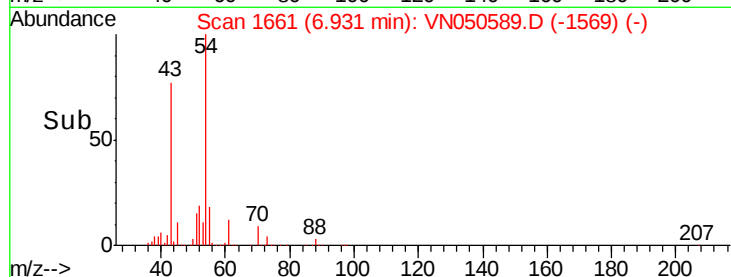
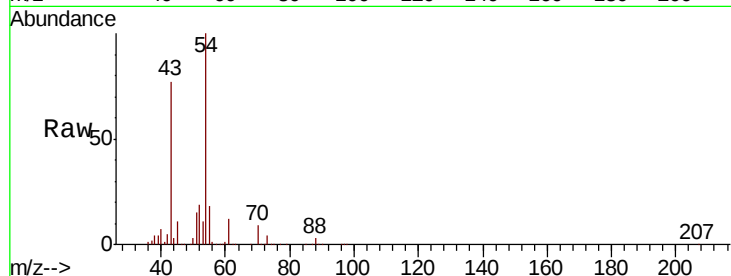
#37
Ethyl Acetate
Concen: 128.34 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.8	8.5	12.7

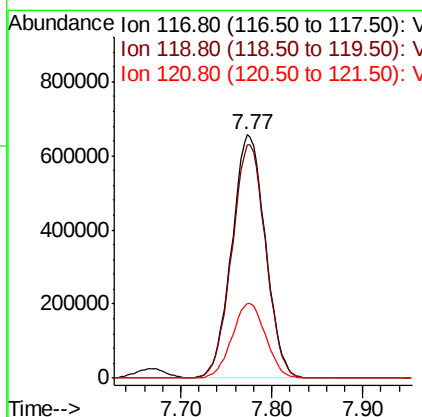
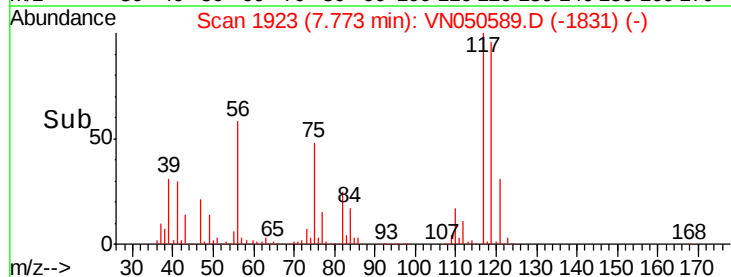
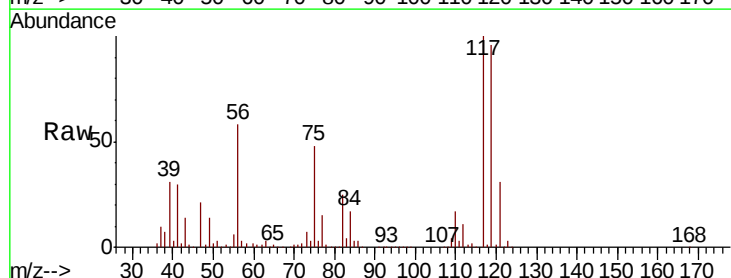
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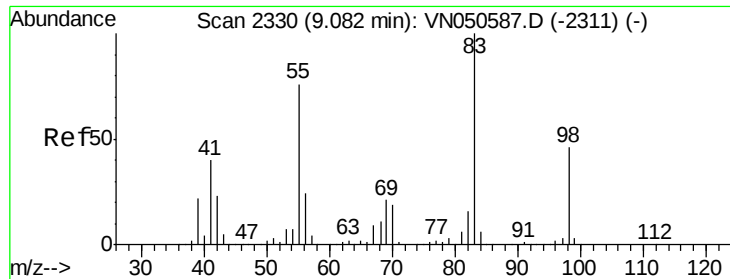
MMDadoda
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#38
Carbon Tetrachloride
Concen: 143.45 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.9	25.0	37.6





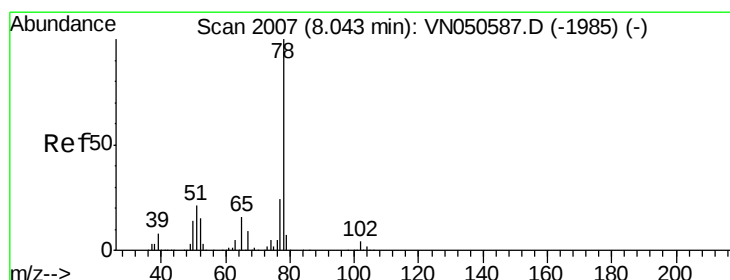
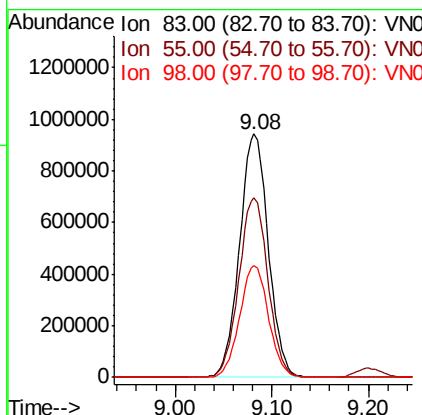
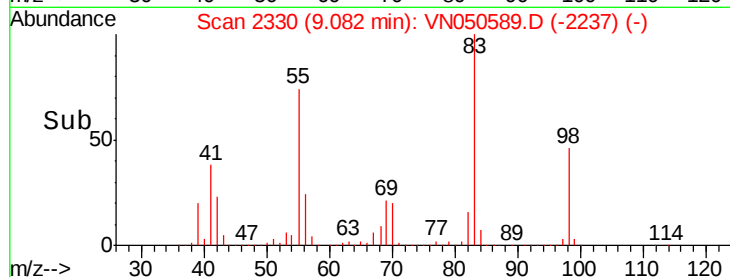
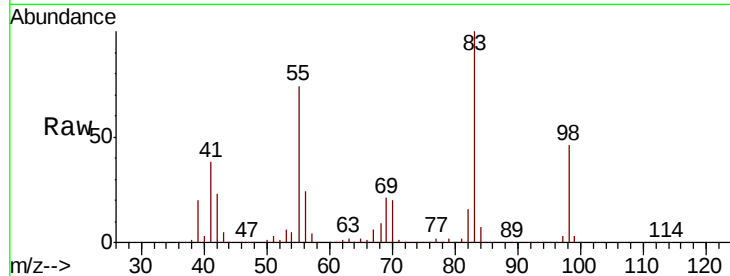
#39
Methvlcvclohexane
Concen: 158.98 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1949005
Ion Ratio Lower Upper
83 100
55 73.5 60.6 91.0
98 46.0 37.0 55.4

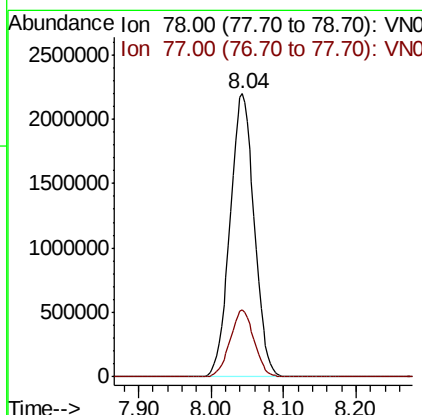
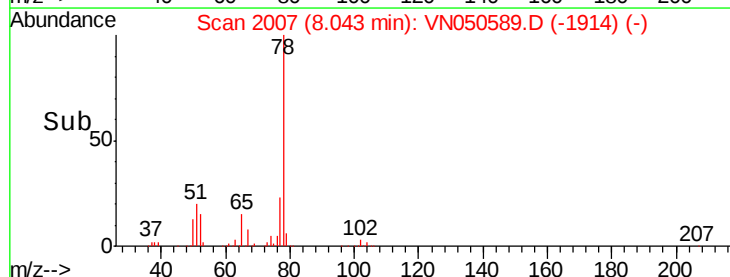
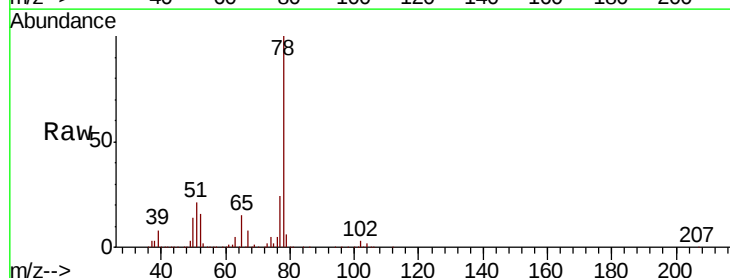
Manual Integrations
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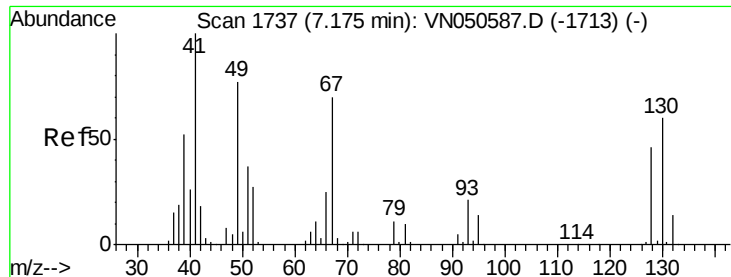
MMDadoda
8/15/2018 3:21:47 PM



#40
Benzene
Concen: 147.18 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 78 Resp: 5091897
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





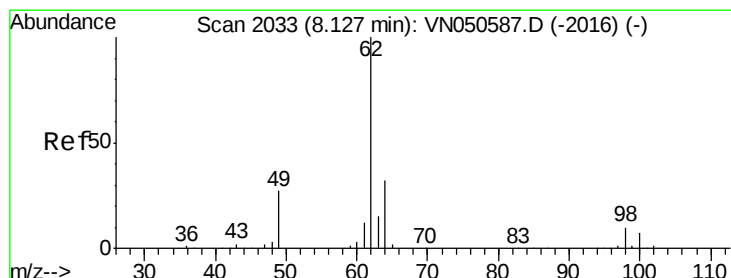
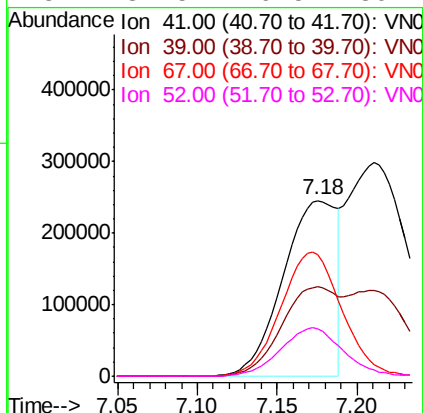
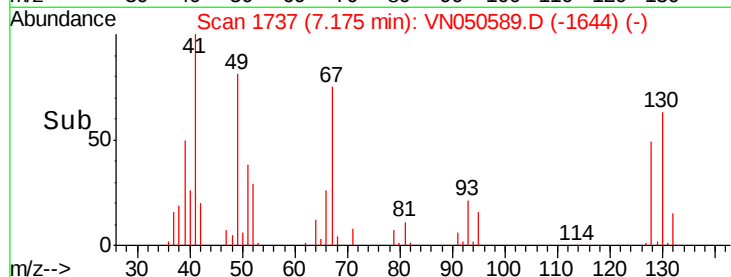
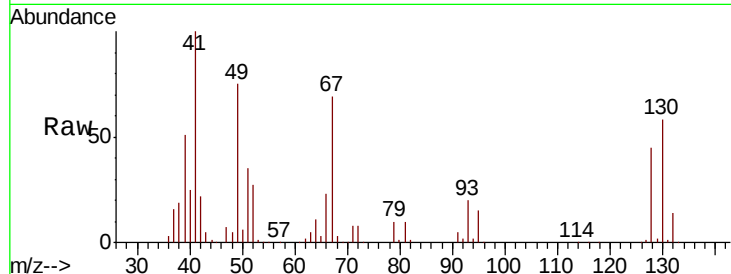
#41
Methacrylonitrile
Concen: 137.35 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.6	66.8
67	80.4	66.7	100.1
52	31.5	26.5	39.7

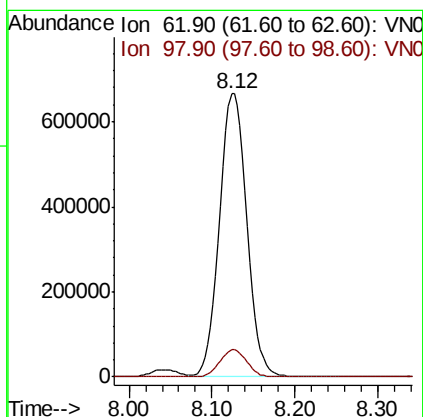
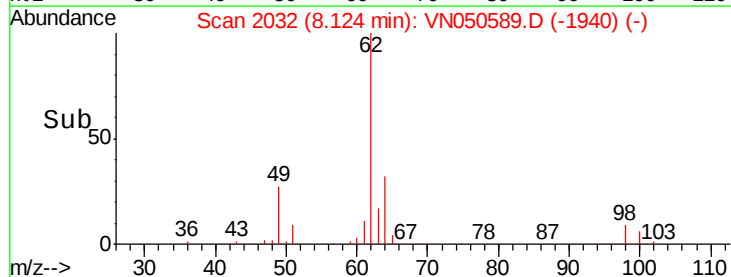
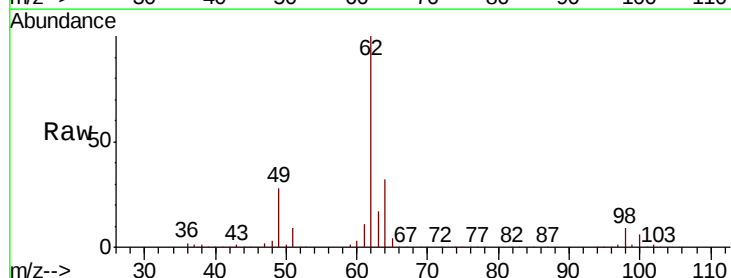
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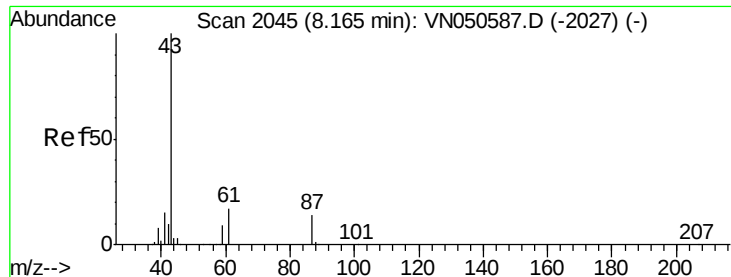
MMDadoda
8/15/2018 3:21:47 PM



#42
1,2-Dichloroethane
Concen: 140.04 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





#43

Isopropyl Acetate

Concen: 131.06 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1778981

Ion Ratio Lower Upper

43 100

61 30.8 16.2 24.2#

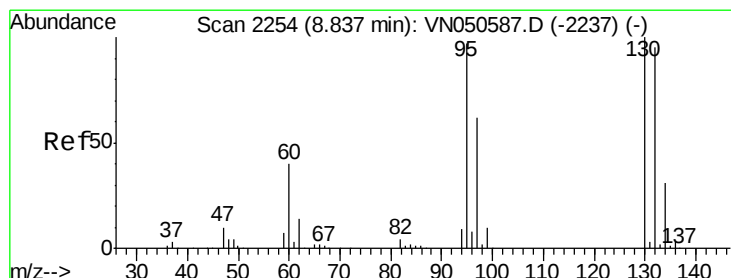
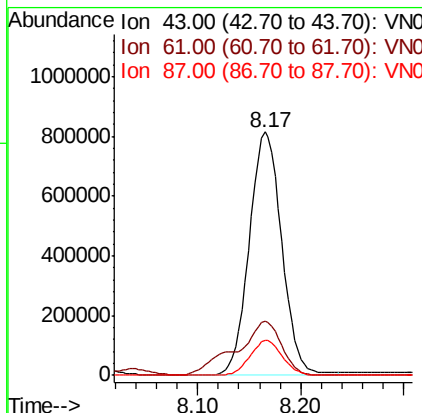
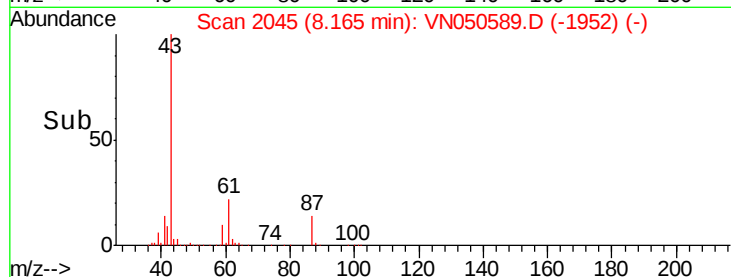
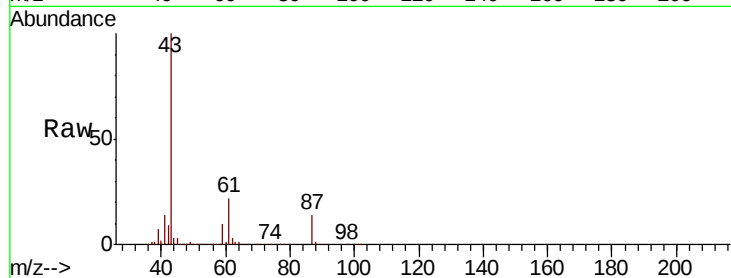
87 14.2 10.9 16.3

Manual Integrations

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#44

Trichloroethene

Concen: 145.08 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050589.D

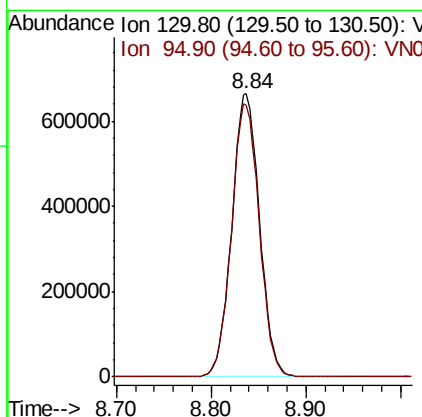
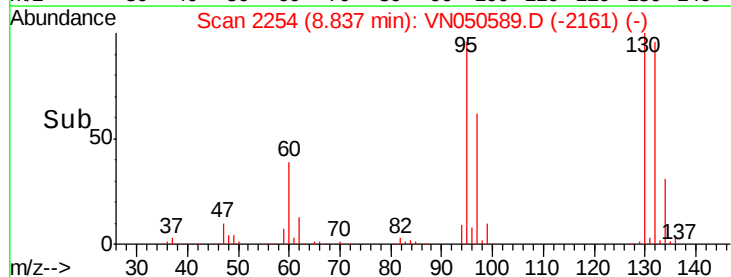
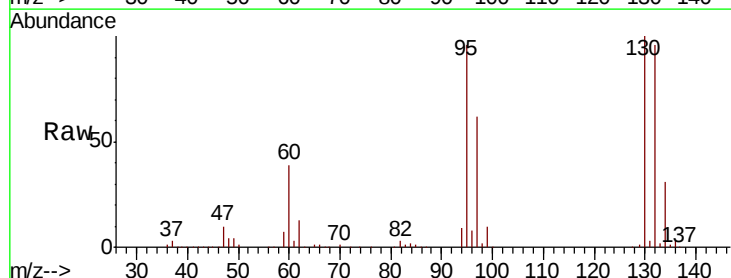
Acq: 14 Aug 2018 1:49

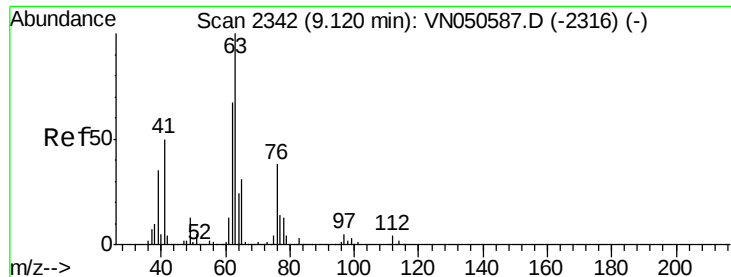
Tgt Ion:130 Resp: 1349953

Ion Ratio Lower Upper

130 100

95 96.1 0.0 193.8





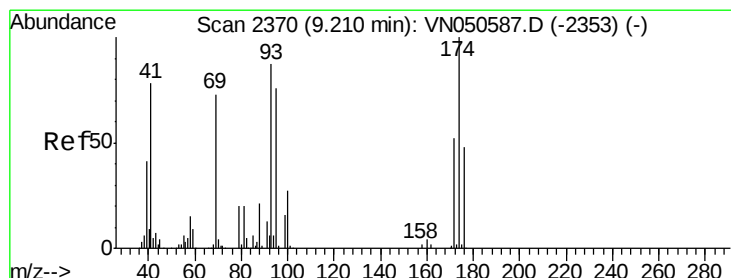
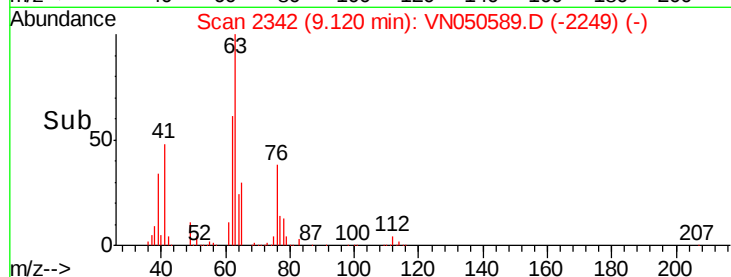
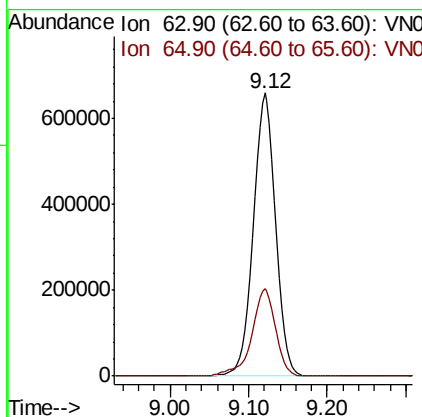
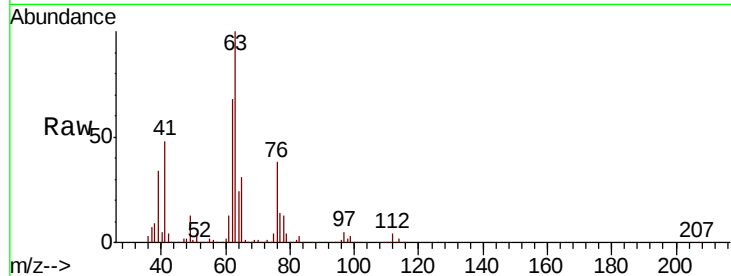
#45
 1,2-Dichloropropane
 Concen: 147.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1336624
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.5 36.7

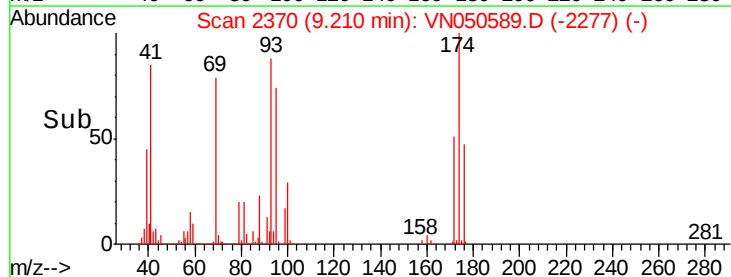
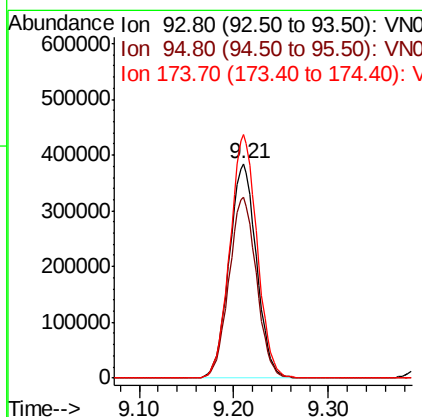
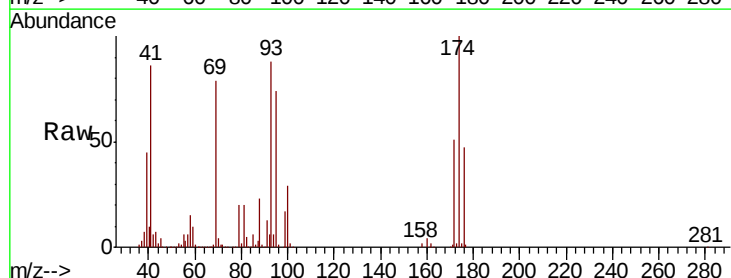
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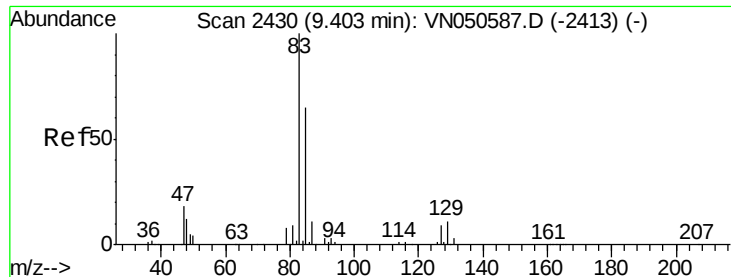
MMDadoda
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#46
 Dibromomethane
 Concen: 138.95 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 93 Resp: 771563
 Ion Ratio Lower Upper
 93 100
 95 84.6 69.1 103.7
 174 112.8 91.0 136.6





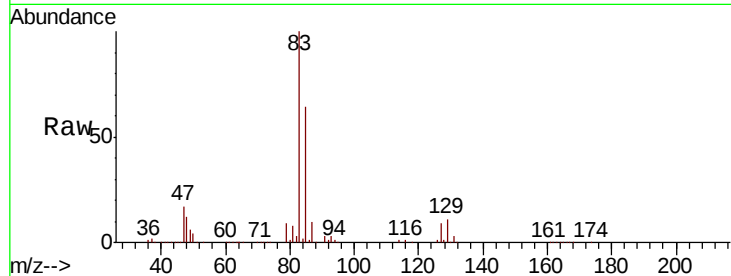
#47
Bromodichloromethane
Concen: 145.30 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

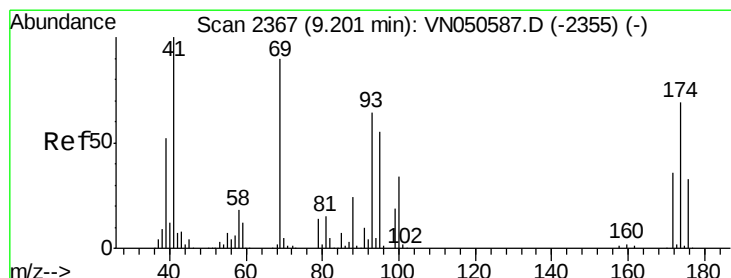
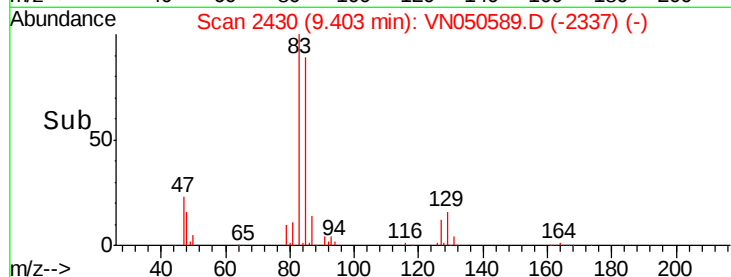
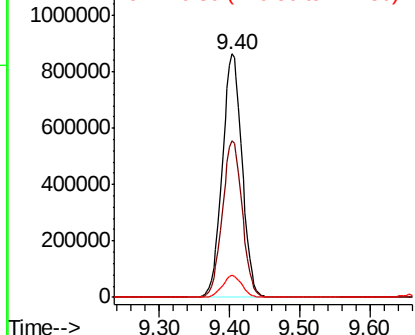
Tot Ion: 83 Resp: 1687827
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.6
127 9.0 7.2 10.8

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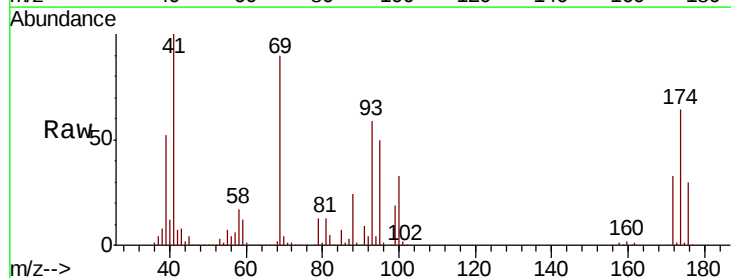


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

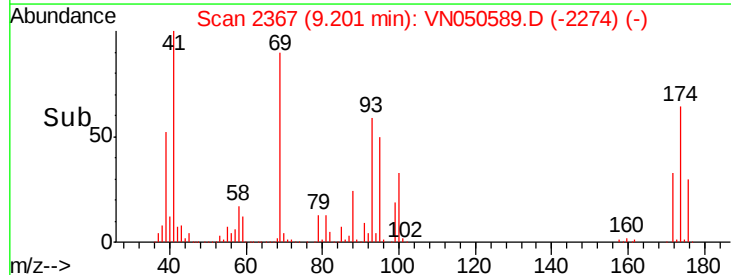
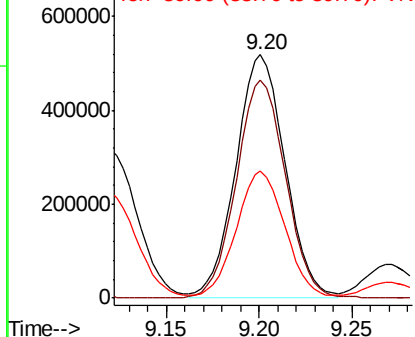


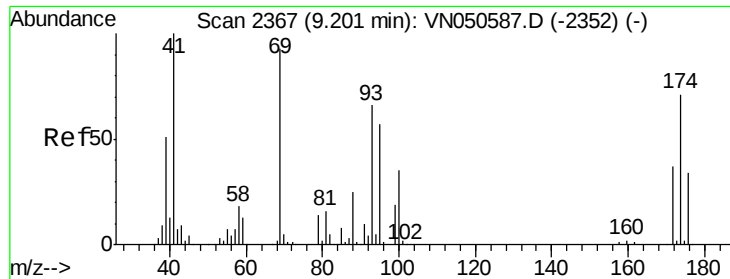
#48
Methyl methacrylate
Concen: 140.93 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 41 Resp: 954905
Ion Ratio Lower Upper
41 100
69 89.9 73.4 110.0
39 51.8 43.0 64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





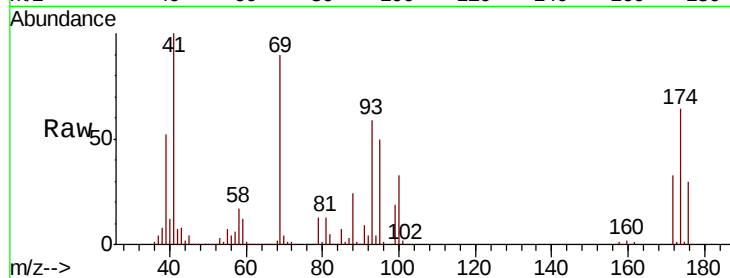
#49
1,4-Dioxane
Concen: 2411.93 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.9	38.9
58	68.4	56.5	84.7

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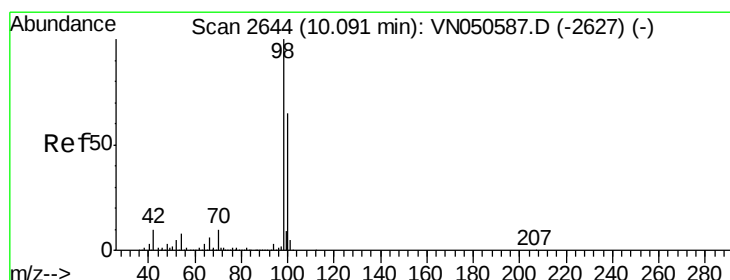
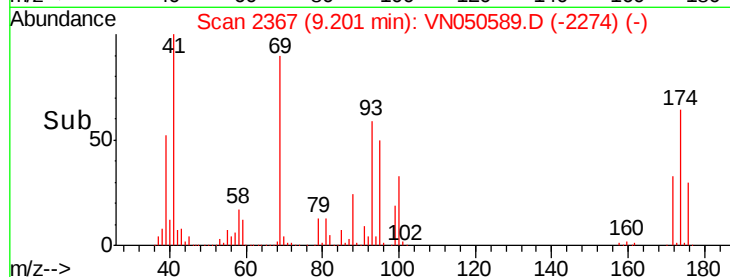
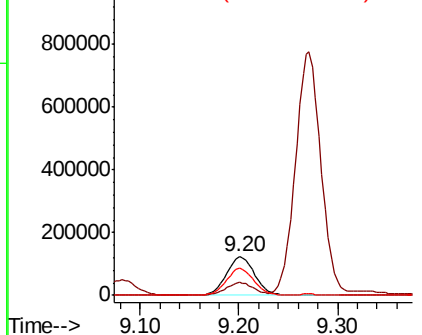


Abundance

Ion 88.00 (87.70 to 88.70): VN050589.D (-2352) (-)

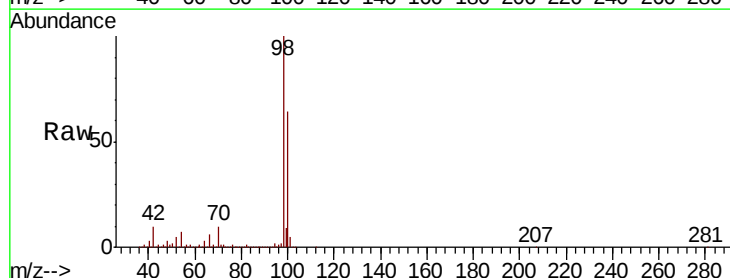
Ion 43.00 (42.70 to 43.70): VN050589.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050589.D (-2352) (-)



#50
Toluene-d8
Concen: 150.85 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

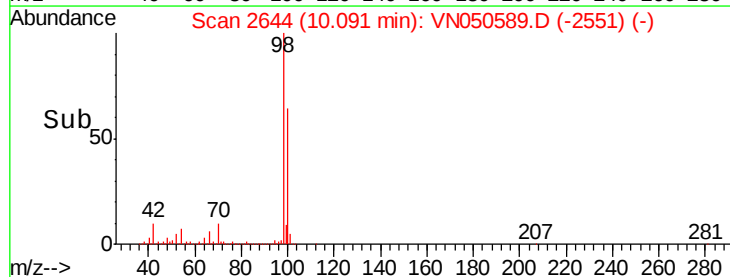
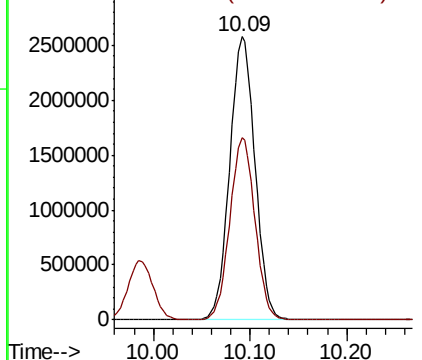
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8

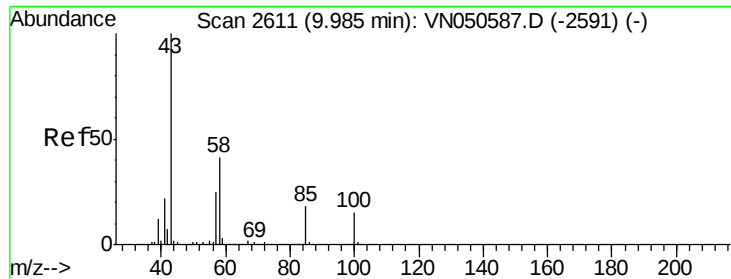


Abundance

Ion 98.00 (97.70 to 98.70): VN050589.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050589.D (-2627) (-)





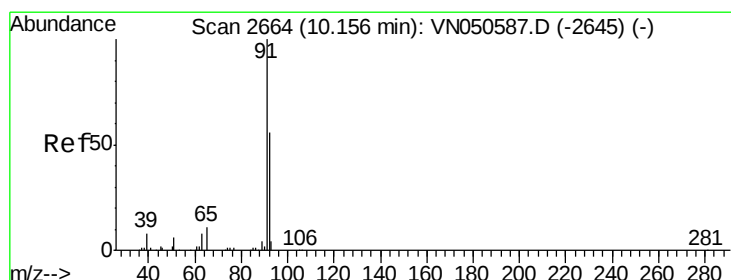
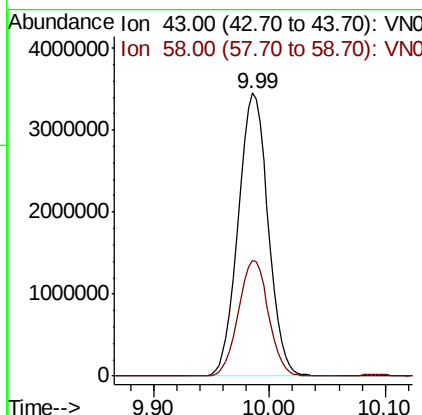
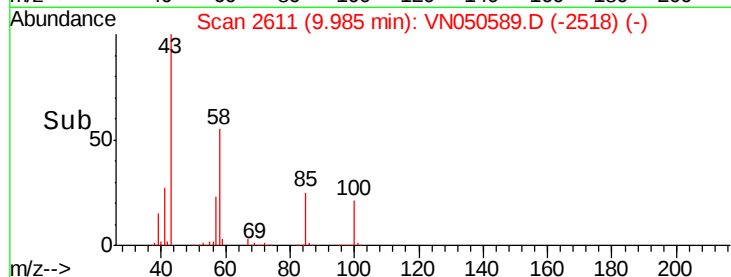
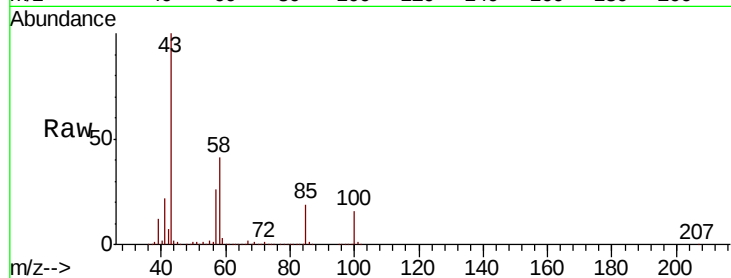
#51
4-Methyl-2-Pentanone
Concen: 638.00 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 6183088
Ion Ratio Lower Upper
43 100
58 41.1 32.5 48.7

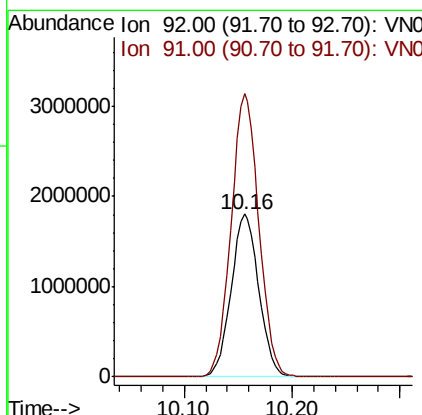
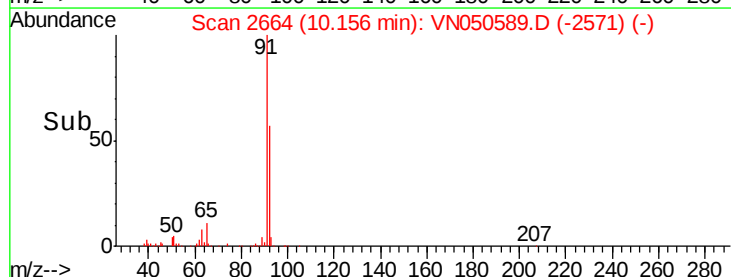
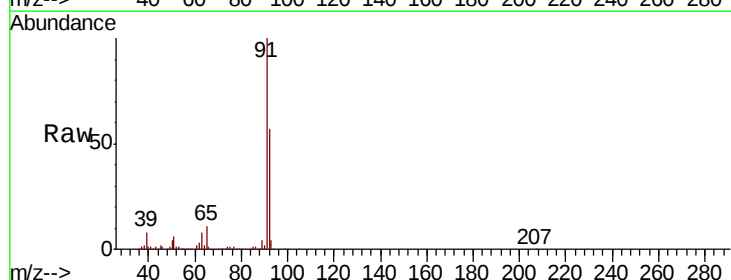
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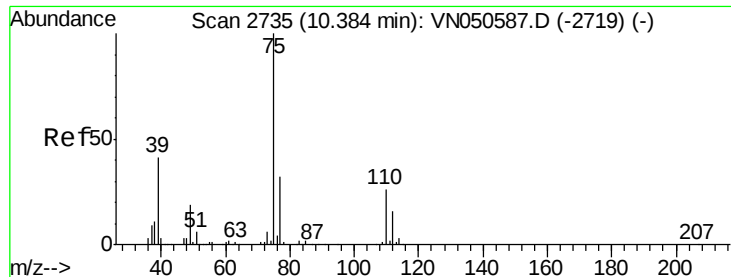
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#52
Toluene
Concen: 155.25 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 92 Resp: 3222169
Ion Ratio Lower Upper
92 100
91 174.1 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 153.21 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1766979

Ion Ratio Lower Upper

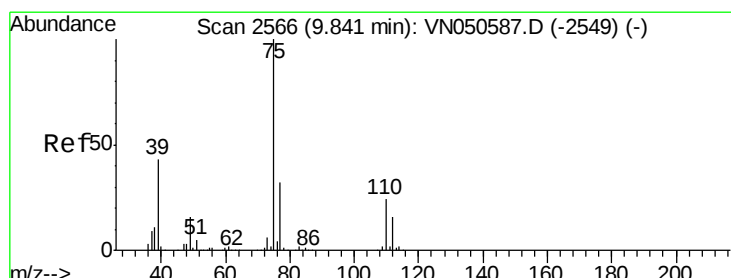
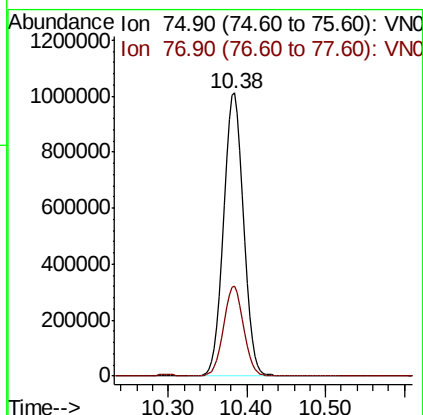
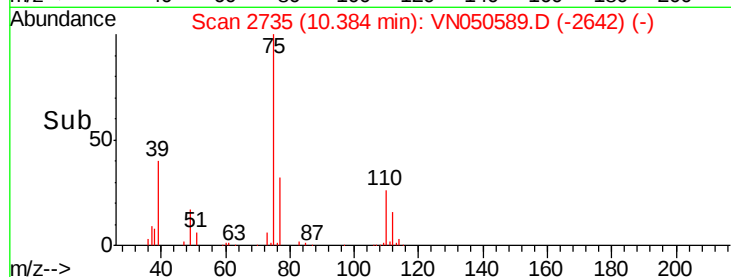
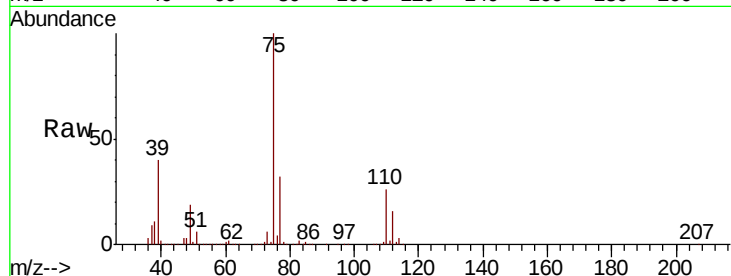
75 100

77 31.8 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 152.28 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

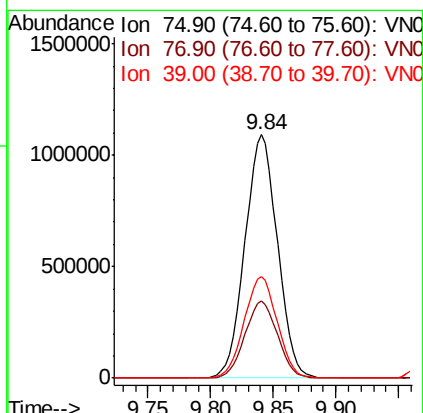
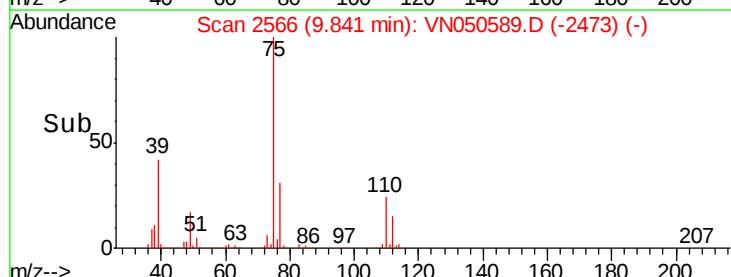
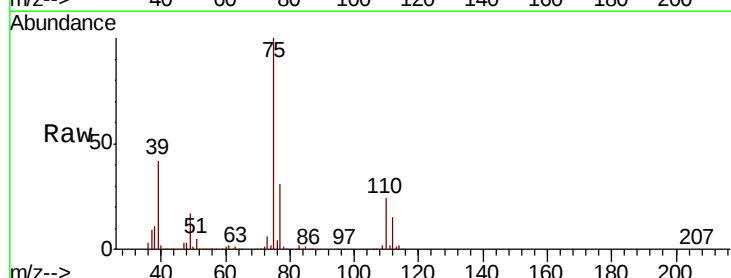
Tgt Ion: 75 Resp: 1970411

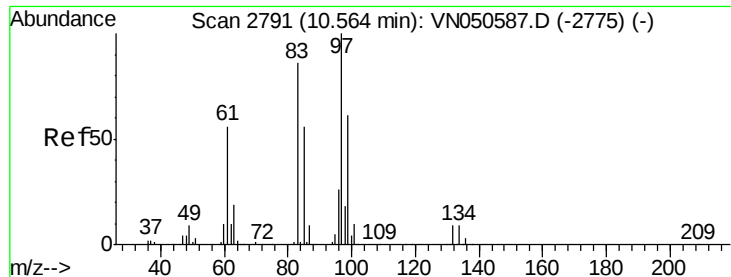
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 41.9 34.4 51.6





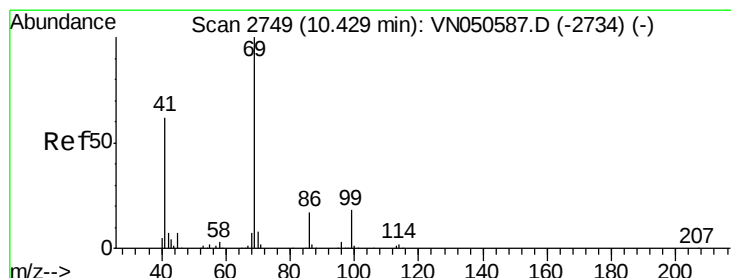
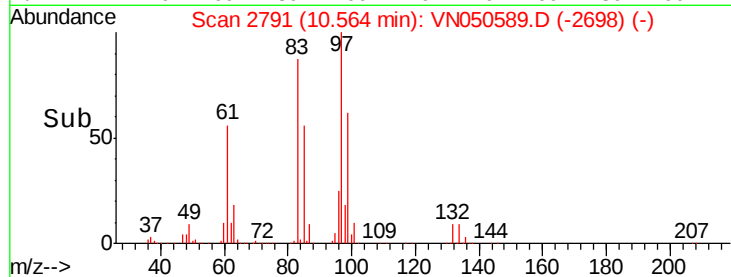
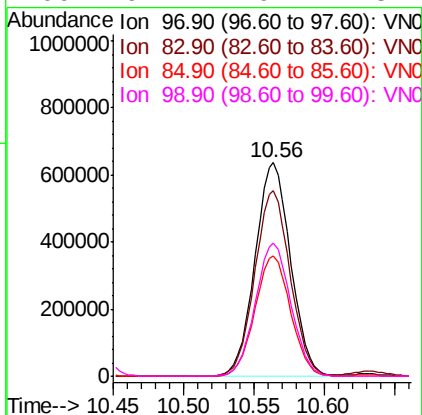
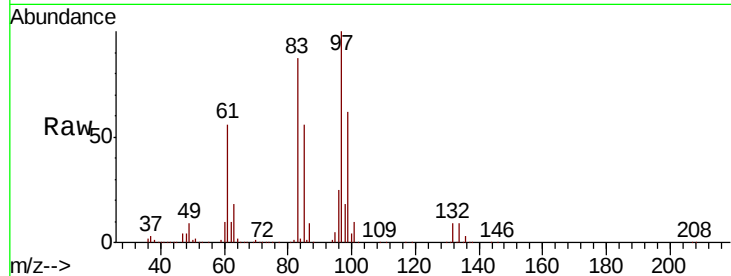
#55
 1,1,2-Trichloroethane
 Concen: 139.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.5	102.7
85	56.2	44.6	66.8
99	62.2	49.1	73.7

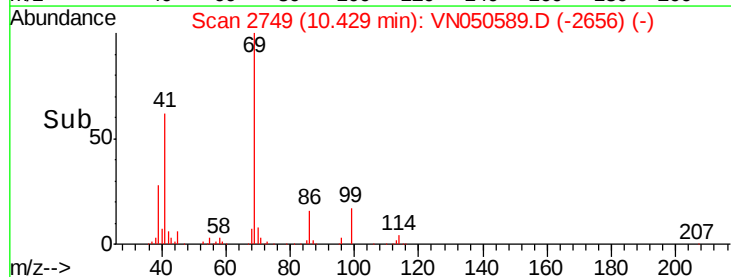
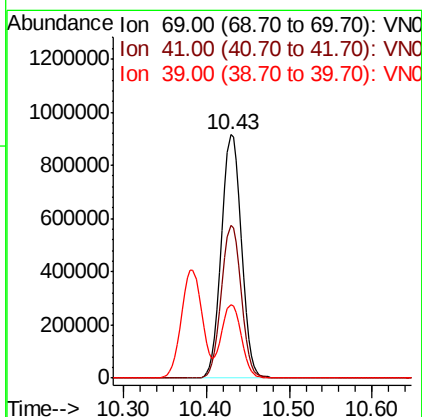
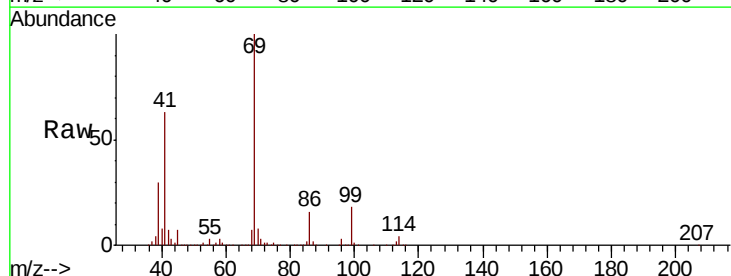
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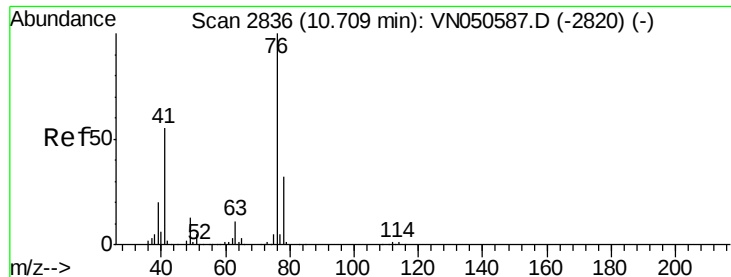
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 152.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.4	24.2	36.2





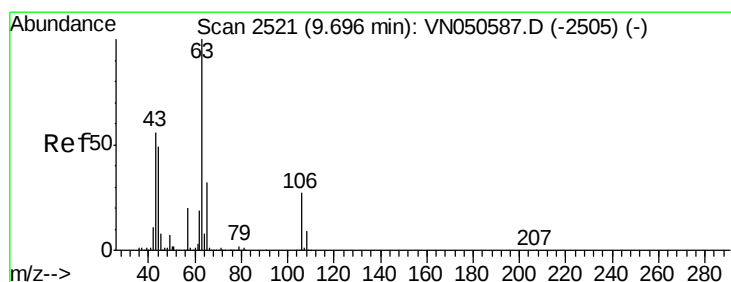
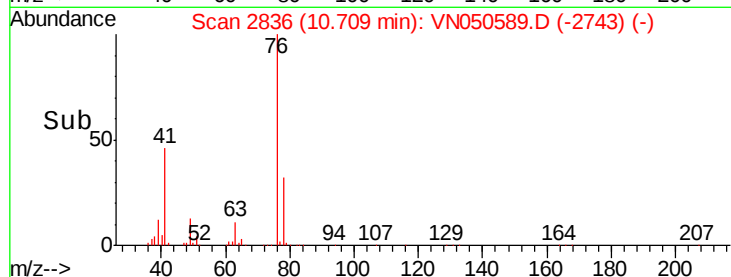
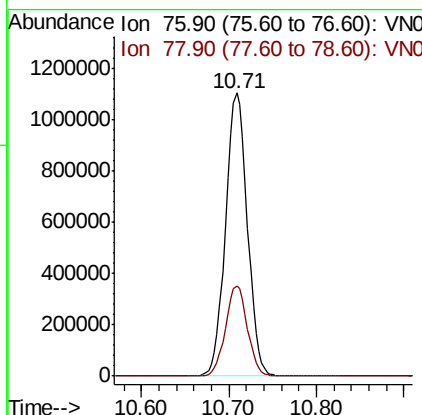
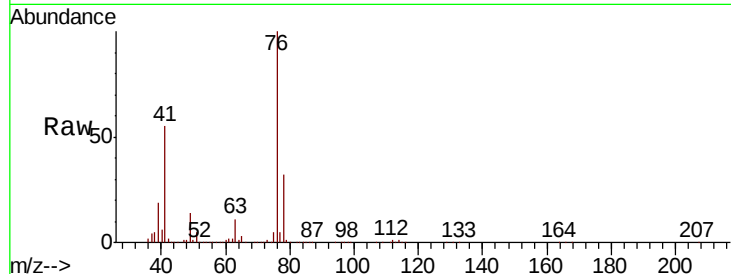
#57
 1,3-Dichloropropane
 Concen: 144.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1909508
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

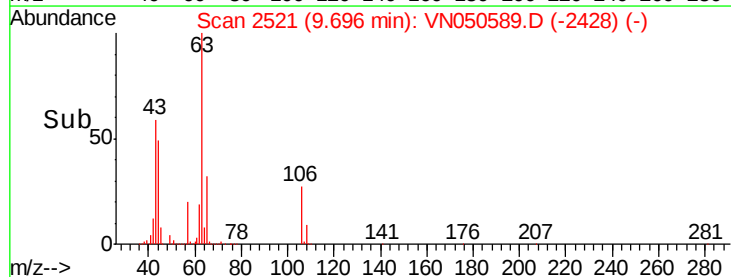
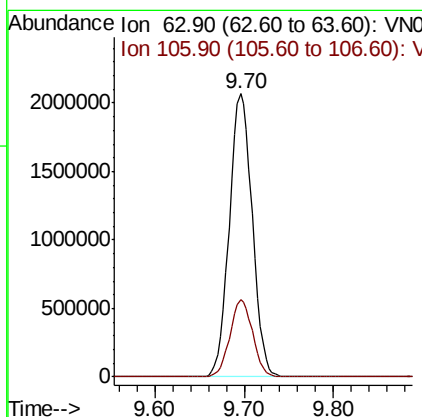
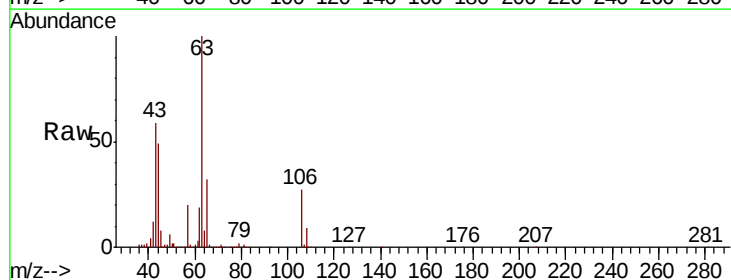
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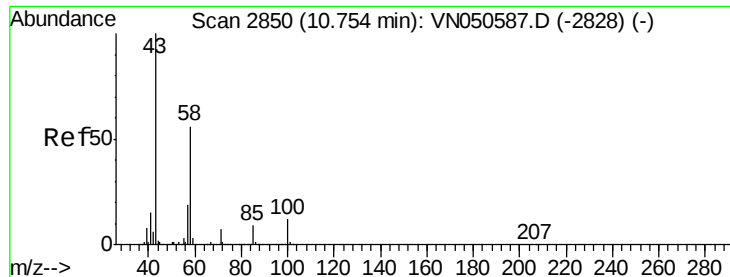
MMDadoda
 8/15/2018 3:21:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 787.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 63 Resp: 3678405
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





#59

2-Hexanone

Concen: 621.00 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 4173400

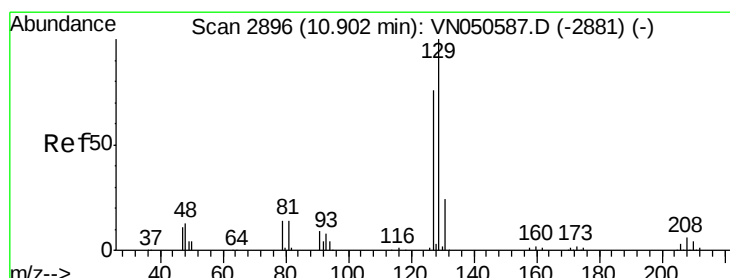
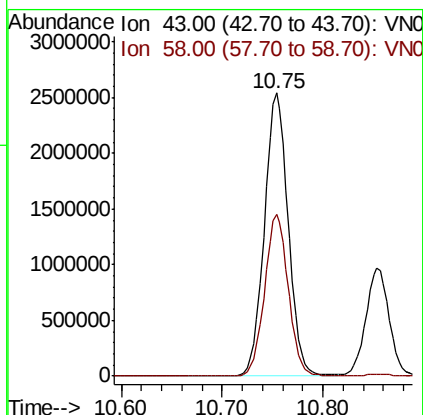
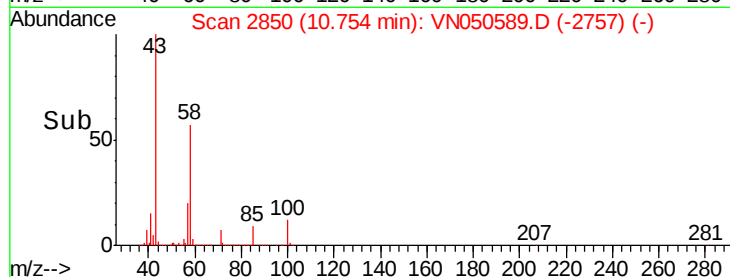
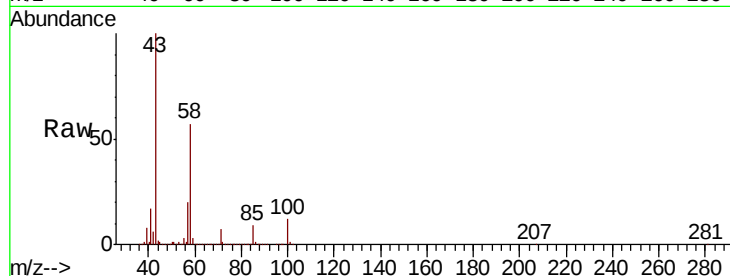
Ion Ratio Lower Upper

43 100

58 57.0 28.0 84.0

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#60

Dibromochloromethane

Concen: 149.94 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050589.D

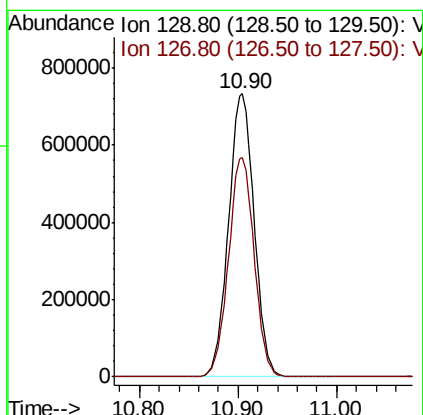
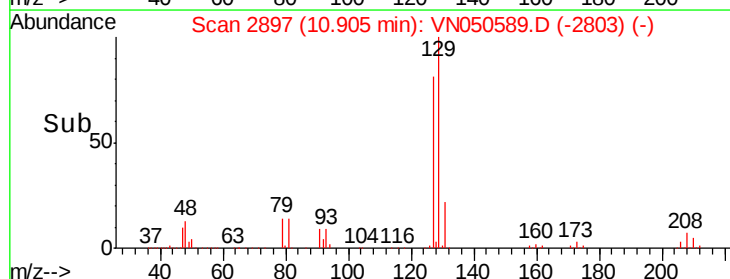
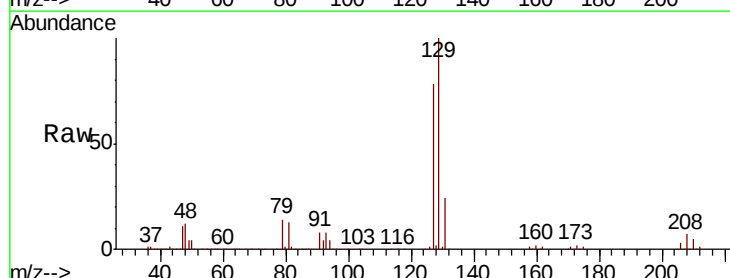
Acq: 14 Aug 2018 1:49

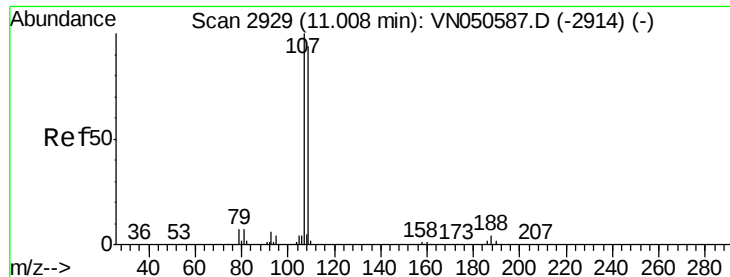
Tgt Ion: 129 Resp: 1328576

Ion Ratio Lower Upper

129 100

127 77.7 38.9 116.7





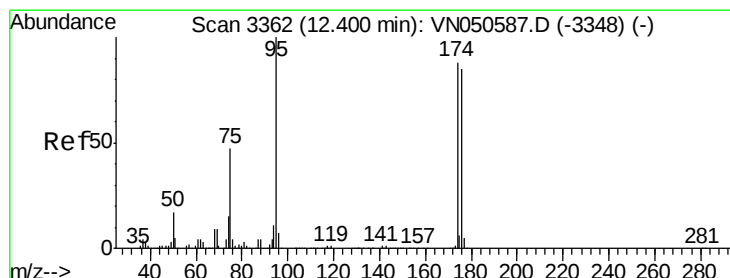
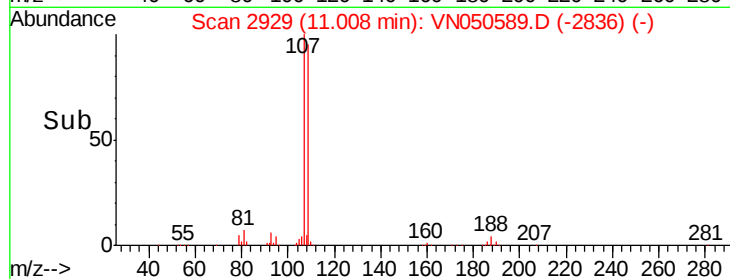
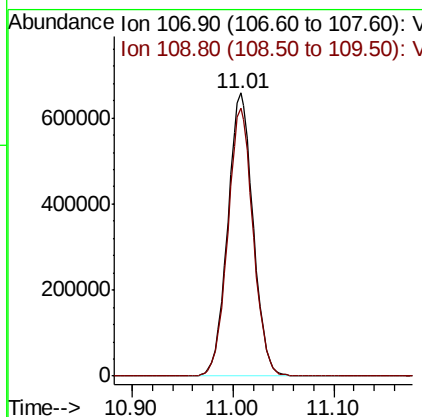
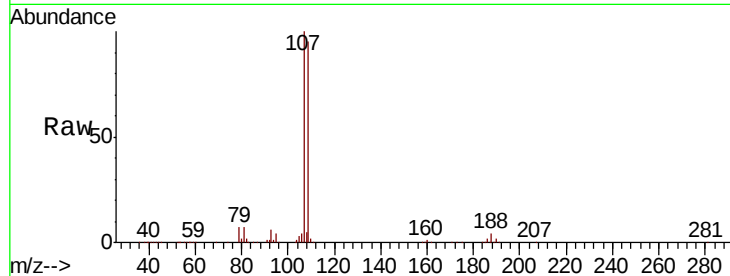
#61
 1,2-Dibromoethane
 Concen: 146.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 1153488
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5

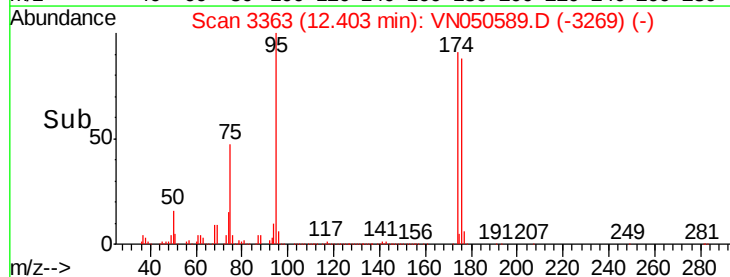
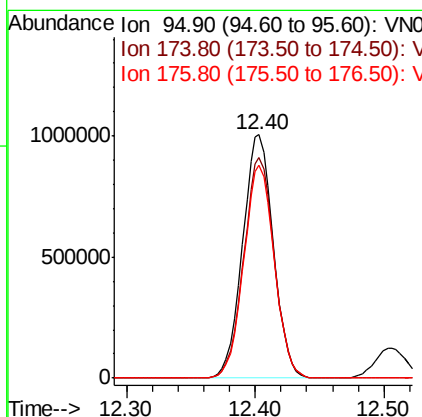
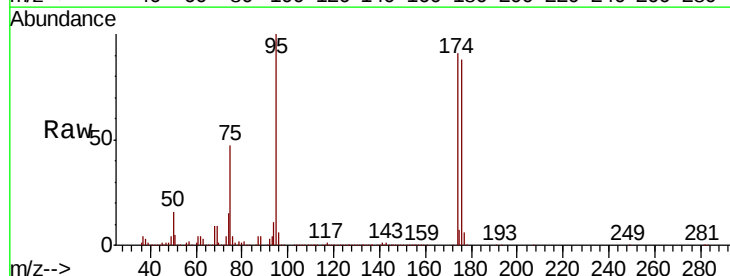
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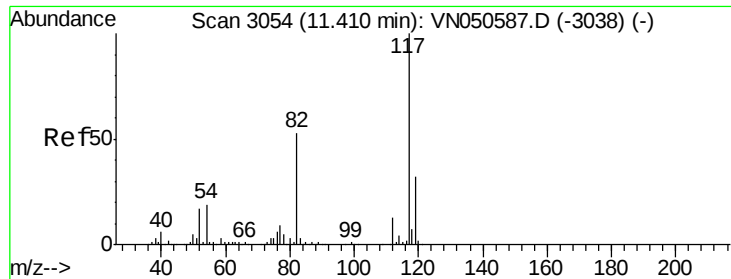
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 158.59 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 95 Resp: 1663786
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 177.8
 176 87.2 0.0 175.0





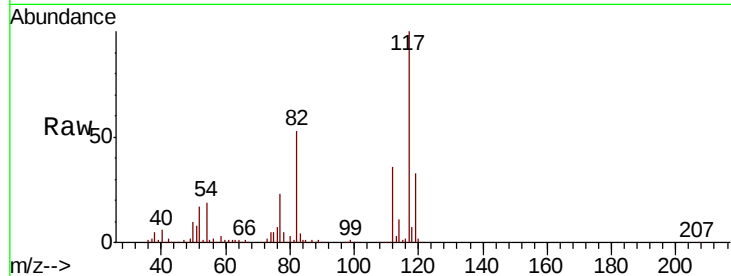
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.4	63.6
119	32.9	25.8	38.8

Manual Integrations
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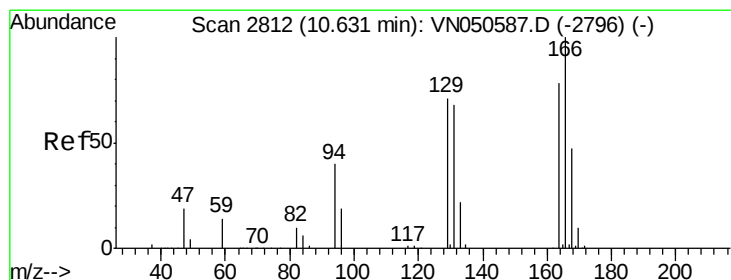
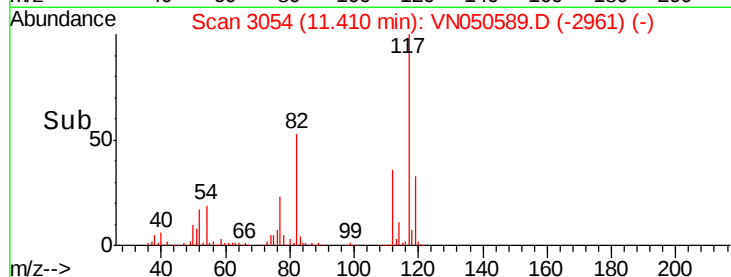
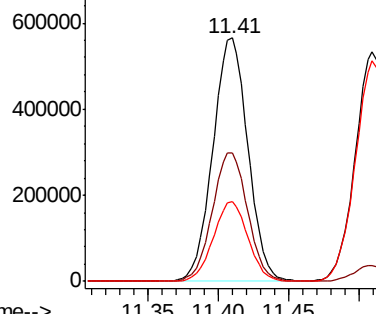


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 137.80 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.1	153.1
129	91.6	72.7	109.1
131	88.7	69.9	104.9

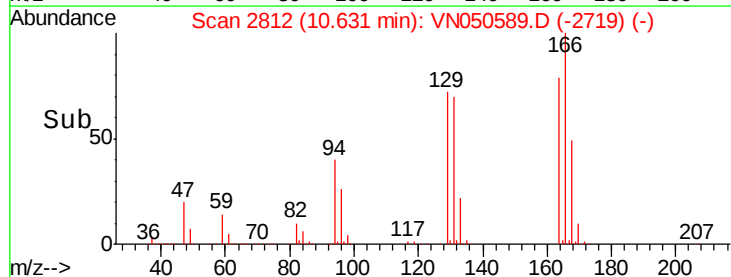
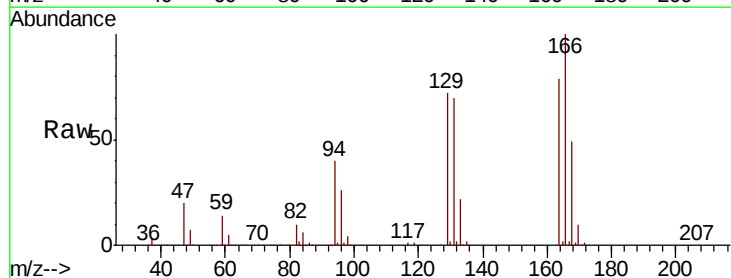
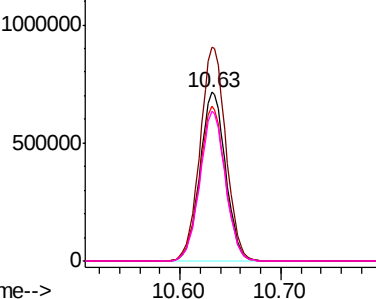
Abundance

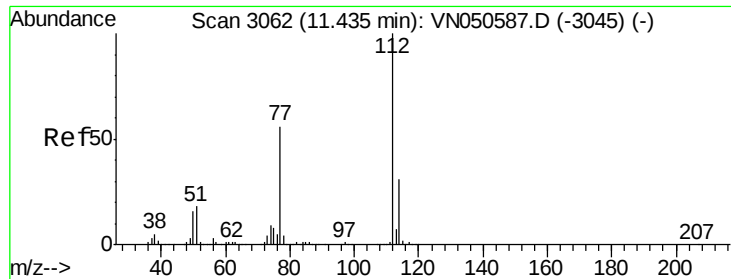
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





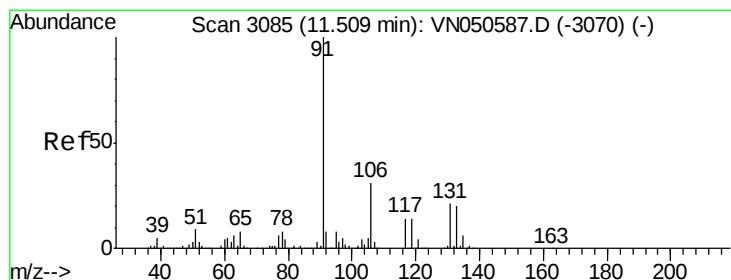
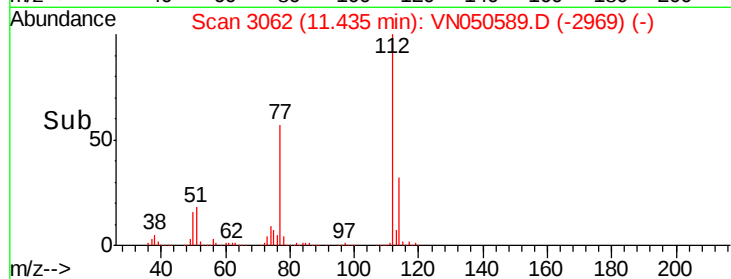
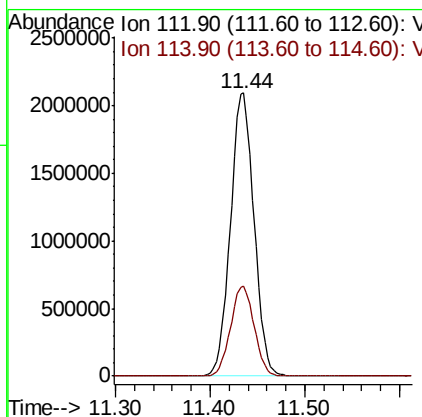
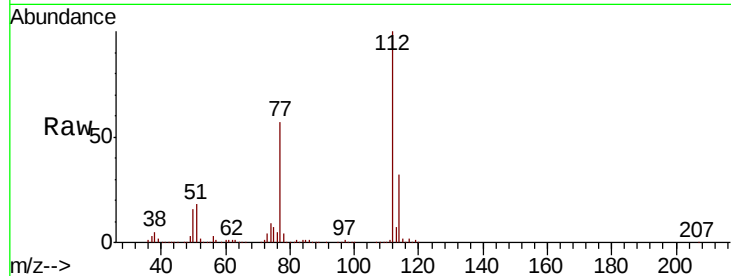
#65
Chlorobenzene
Concen: 146.05 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3611520
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

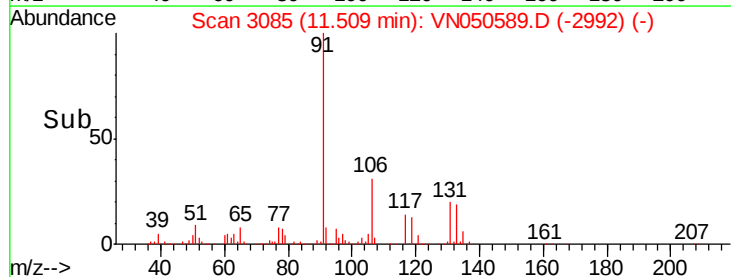
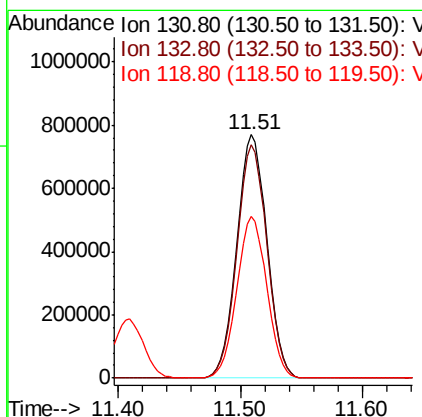
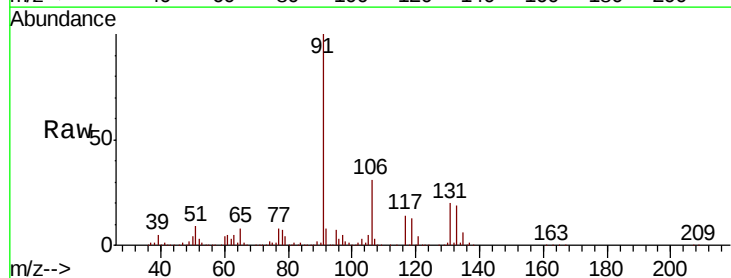
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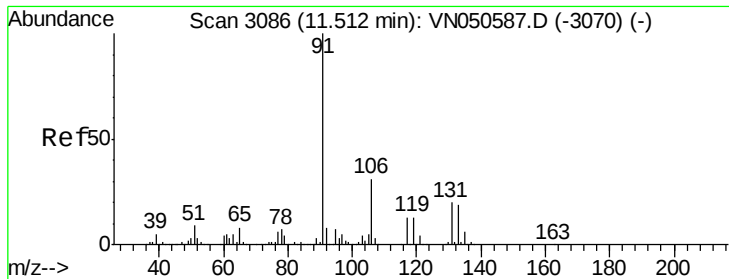
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 145.07 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion:131 Resp: 1308725
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.2 33.1 99.3





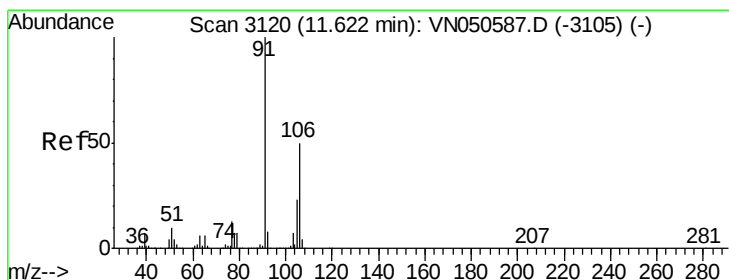
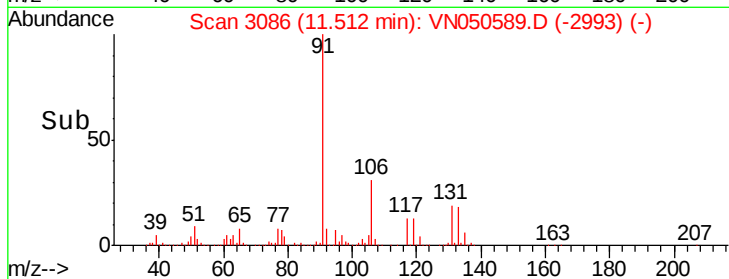
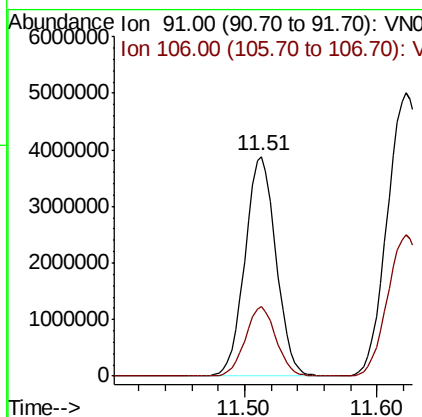
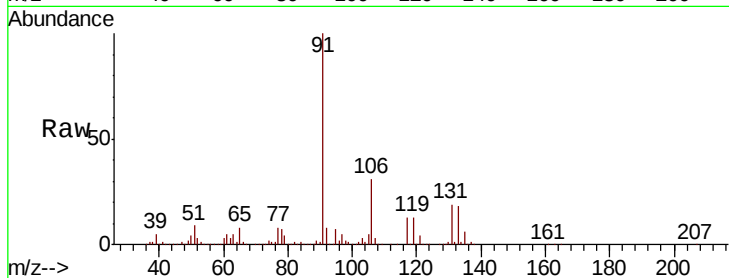
#67
Ethyl Benzene
Concen: 157.54 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 6297817
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2

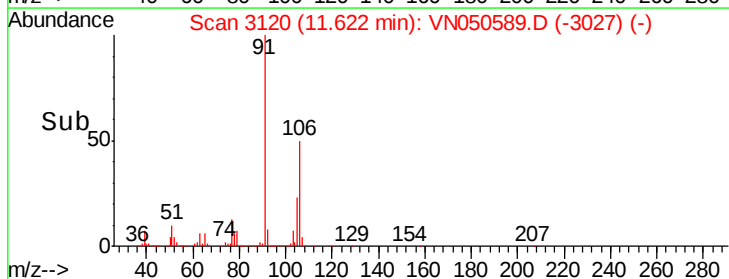
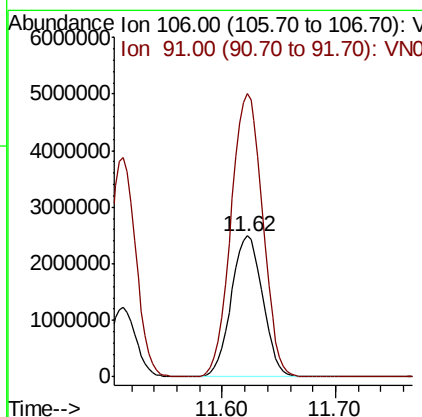
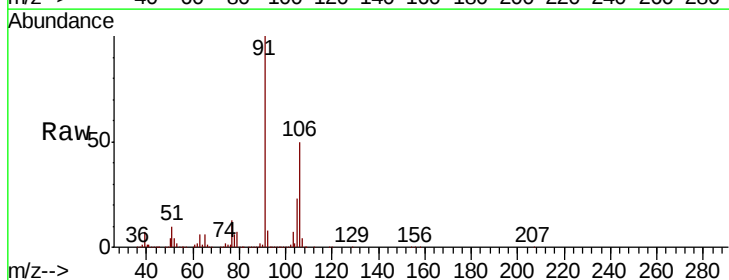
Manual Integrations
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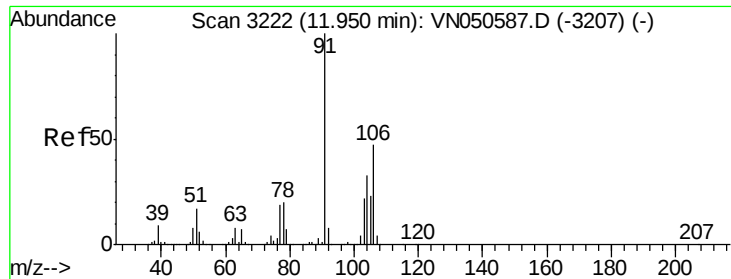
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#68
m/p-Xylenes
Concen: 316.29 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 106 Resp: 4816895
Ion Ratio Lower Upper
106 100
91 202.3 161.5 242.3





#69

o-Xylene

Concen: 160.11 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 2344737

Ion Ratio Lower Upper

106 100

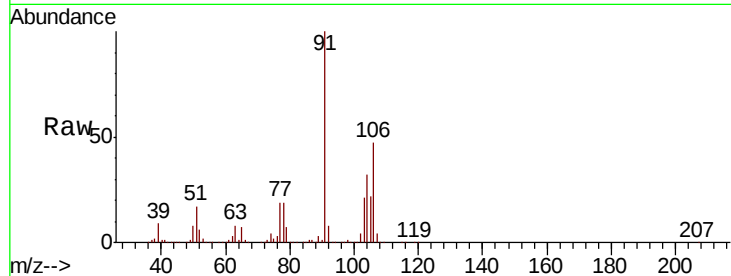
91 212.7 106.8 320.4

Manual Integrations

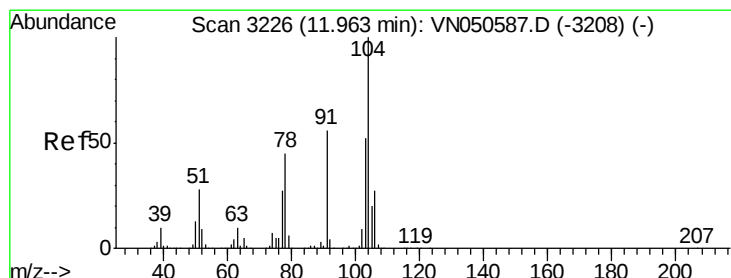
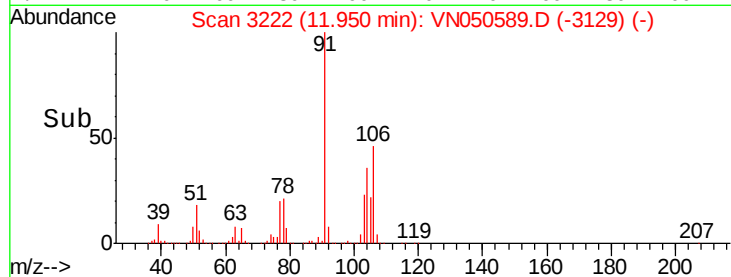
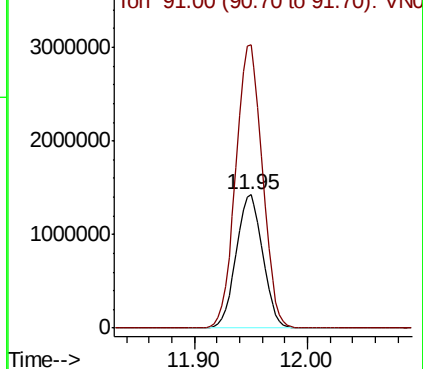
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Abundance Ion 106.00 (105.70 to 106.70): V



#70

Styrene

Concen: 163.59 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

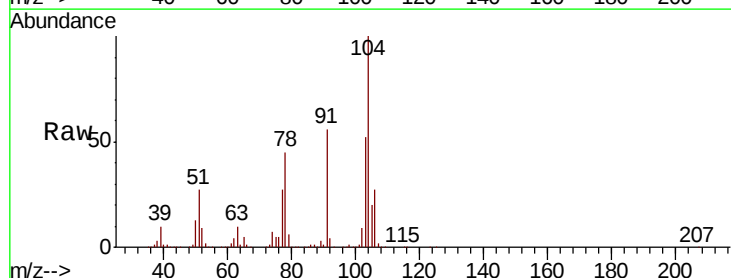
Tgt Ion:104 Resp: 3885151

Ion Ratio Lower Upper

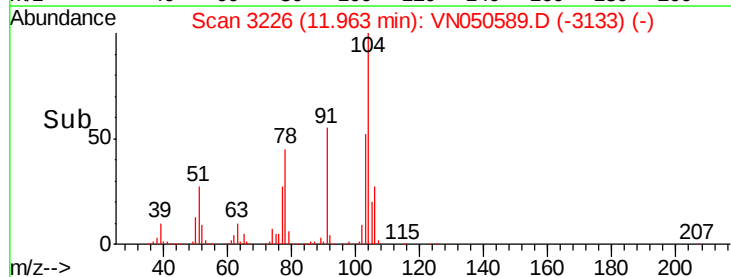
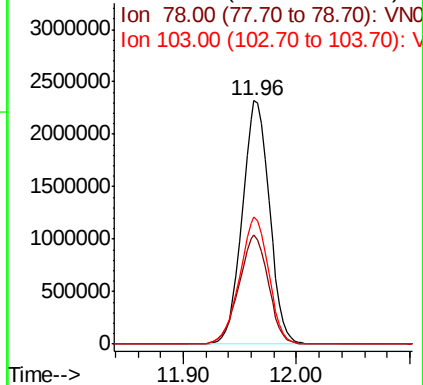
104 100

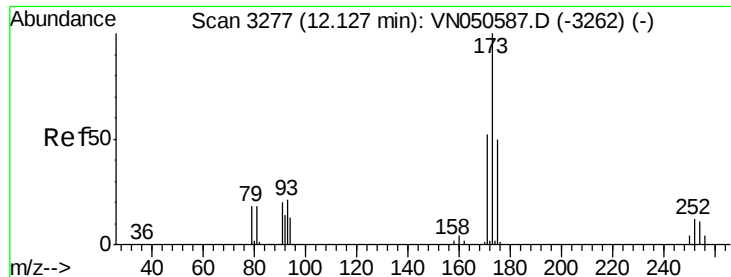
78 48.6 39.1 58.7

103 55.8 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V





#71

Bromoform

Concen: 146.22 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 946516

Ion Ratio Lower Upper

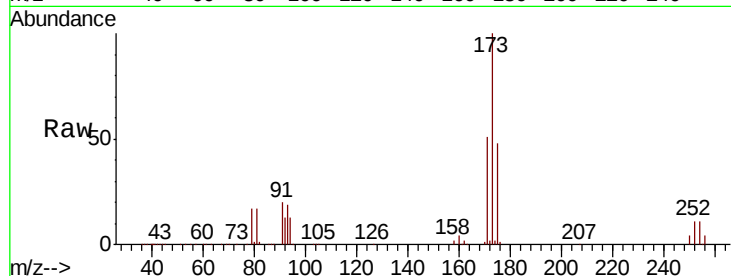
173 100

175 48.6 24.4 73.2

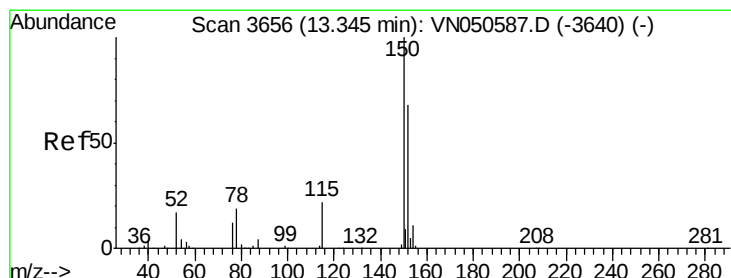
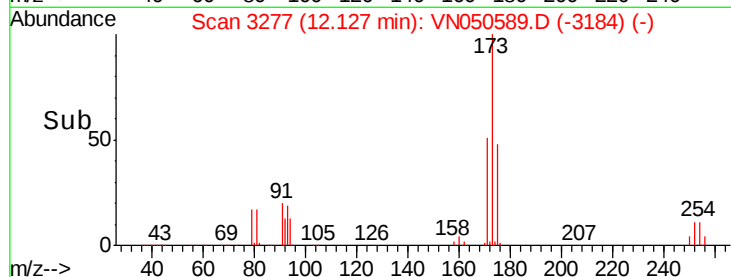
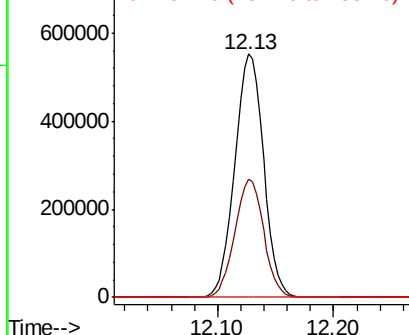
254 0.1 0.0 0.0#

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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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

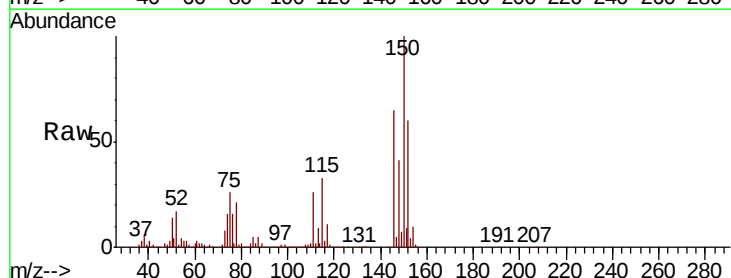
Tgt Ion:152 Resp: 540148

Ion Ratio Lower Upper

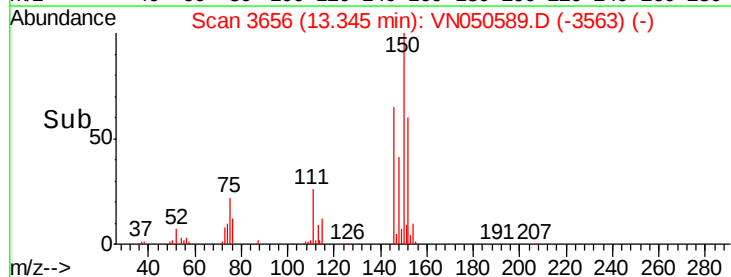
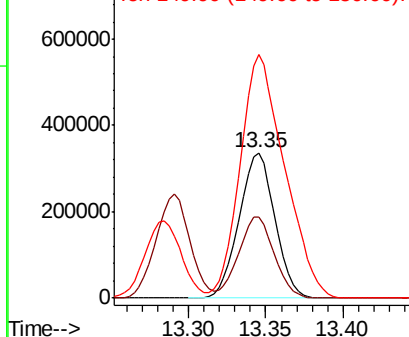
152 100

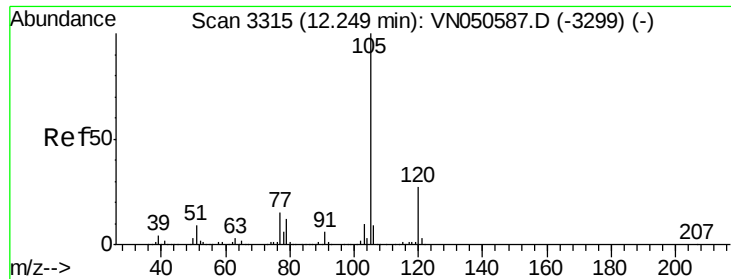
115 55.7 28.1 84.2

150 209.0 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.63 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6151229

Ion Ratio Lower Upper

105 100

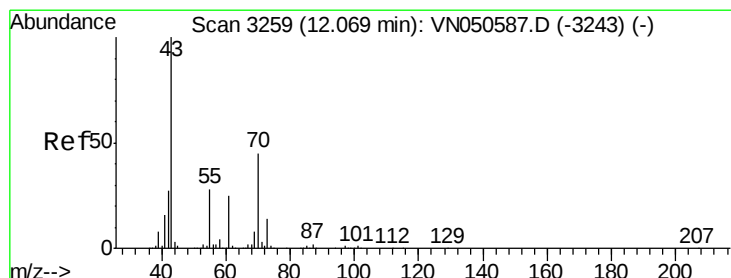
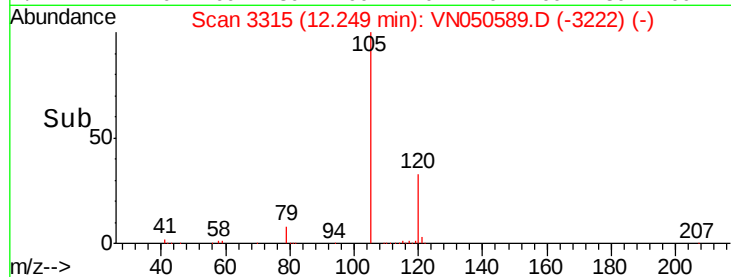
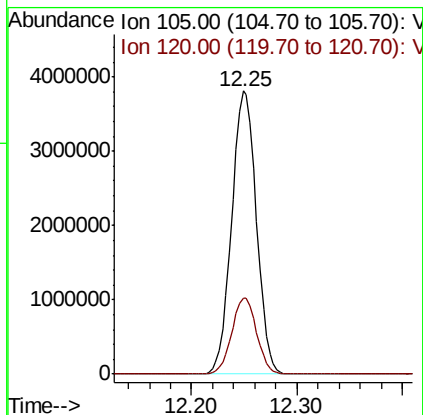
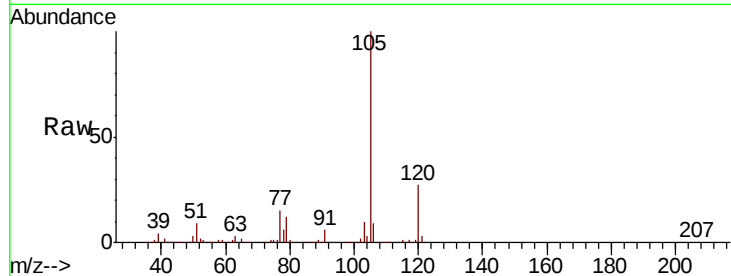
120 27.0 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 129.16 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 1649602

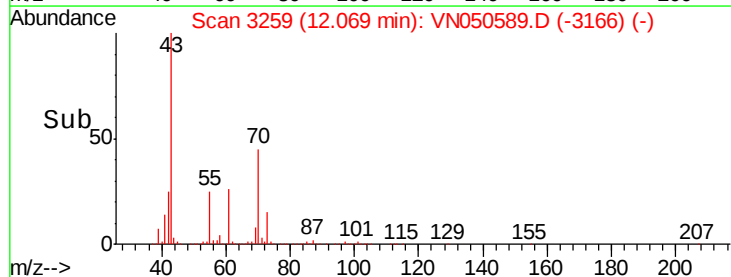
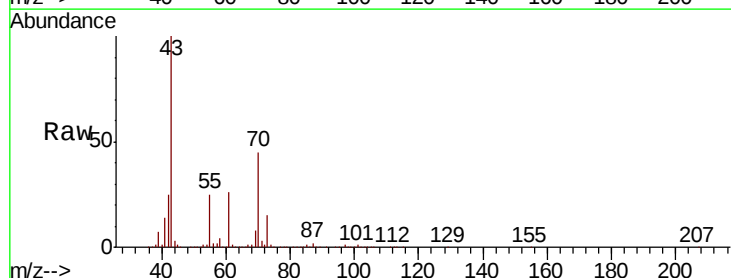
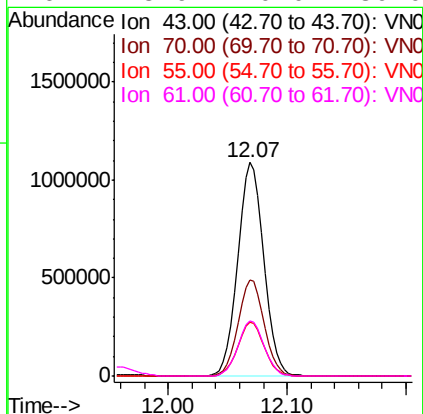
Ion Ratio Lower Upper

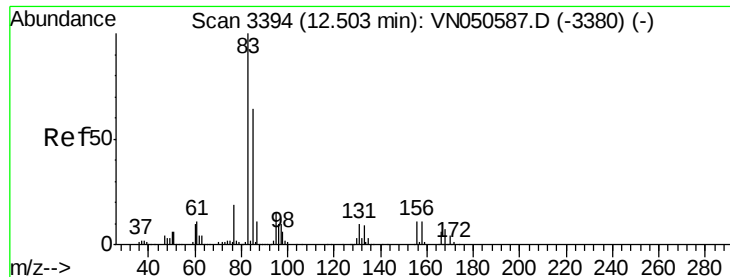
43 100

70 45.0 35.9 53.9

55 25.5 22.2 33.4

61 25.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 122.03 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1406880

Ion Ratio Lower Upper

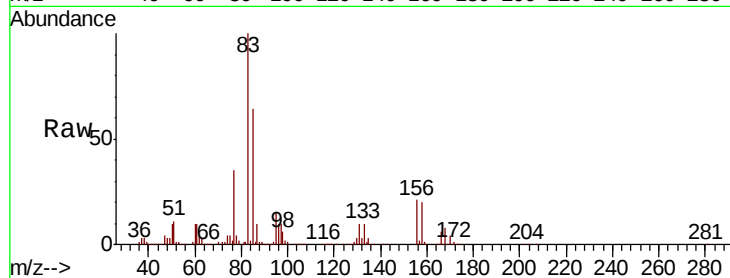
83 100

131 10.4 5.3 15.9

85 64.1 32.1 96.5

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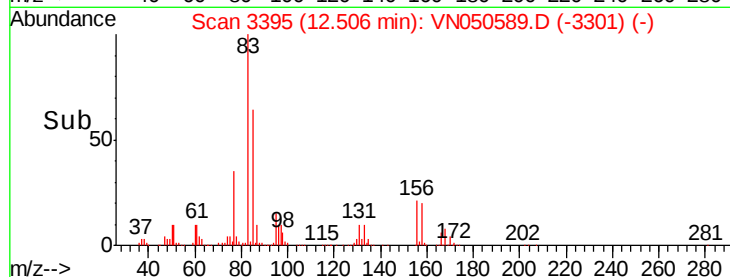


Abundance Ion 82.90 (82.60 to 83.60): VN050589.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050589.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050589.D (-3380) (-)

Time-->

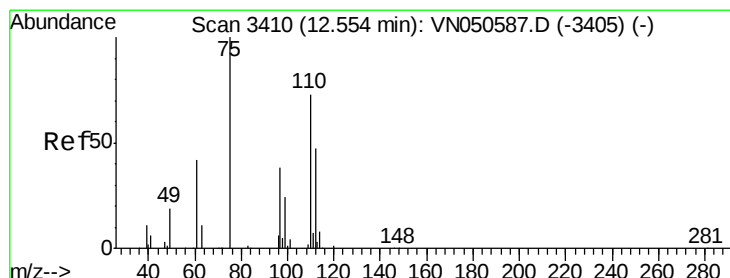


Abundance Ion 82.90 (82.60 to 83.60): VN050589.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050589.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050589.D (-3380) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 131.79 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050589.D

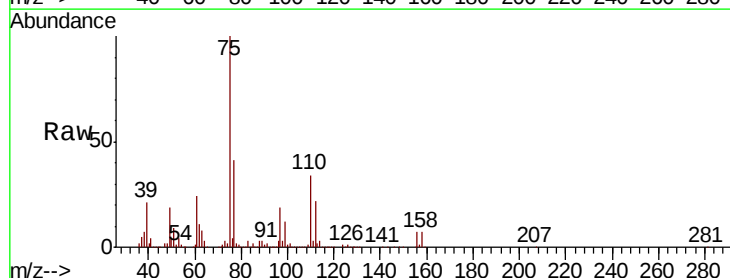
Acq: 14 Aug 2018 1:49

Tgt Ion: 75 Resp: 1286327

Ion Ratio Lower Upper

75 100

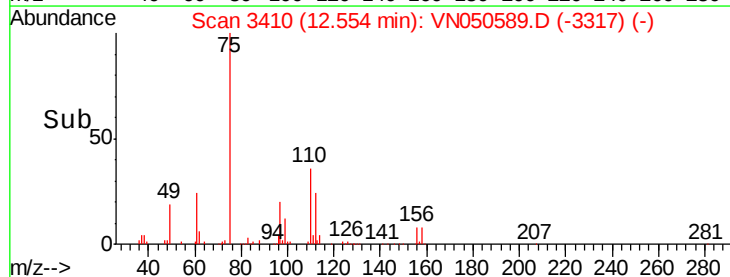
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050589.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050589.D (-3317) (-)

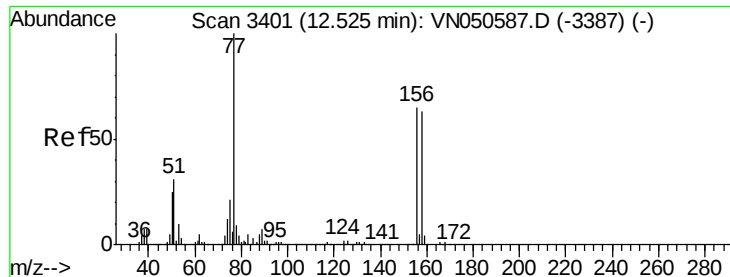
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN050589.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050589.D (-3317) (-)

Time-->



#77

Bromobenzene

Concen: 145.83 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1593498

Ion Ratio Lower Upper

156 100

77 178.5 89.0 267.1

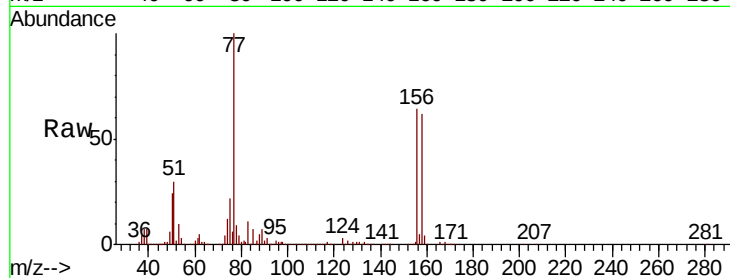
158 97.5 48.5 145.6

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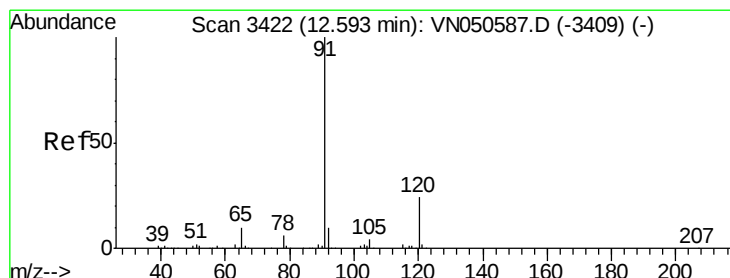
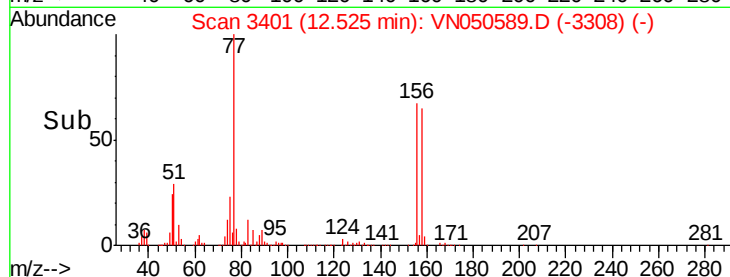
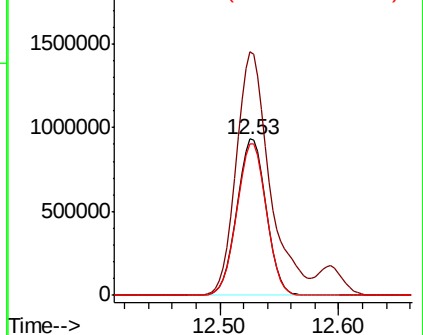
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 153.33 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050589.D

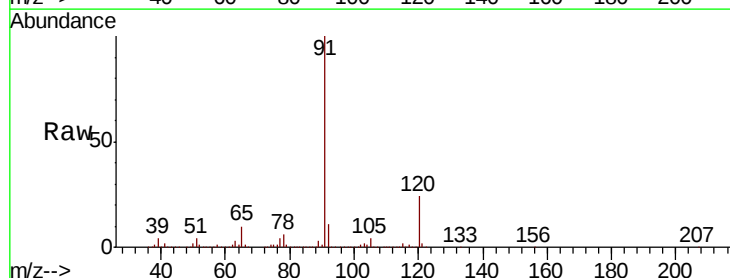
Acq: 14 Aug 2018 1:49

Tgt Ion: 91 Resp: 7081288

Ion Ratio Lower Upper

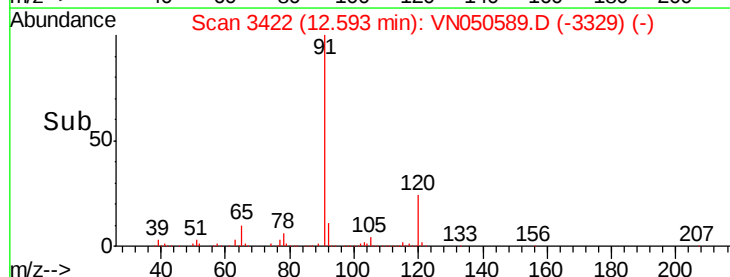
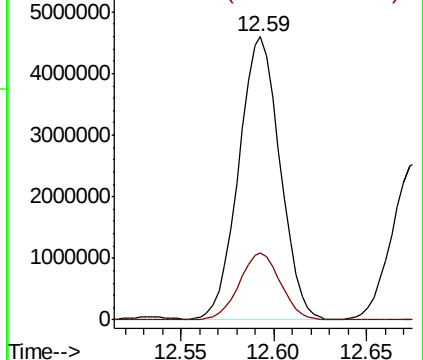
91 100

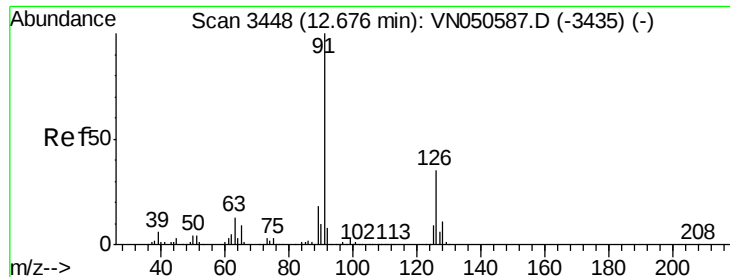
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.57 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 4183529

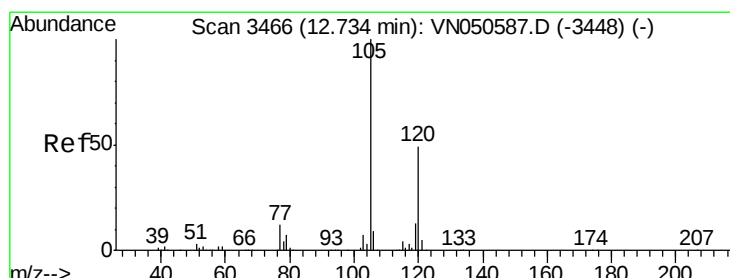
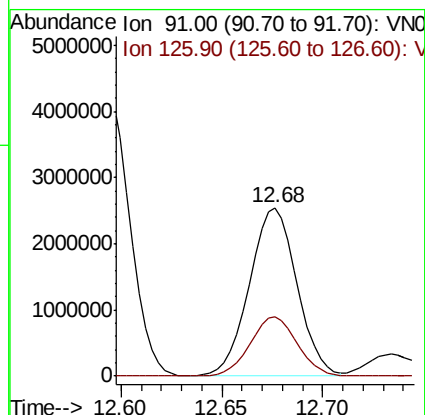
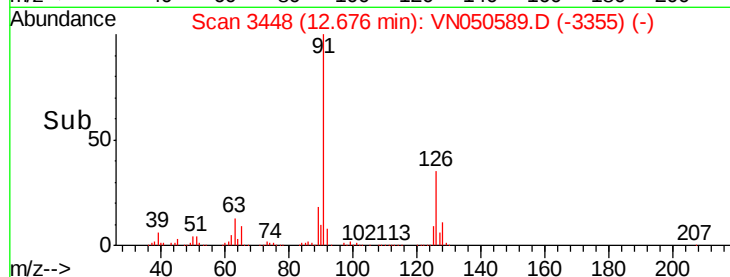
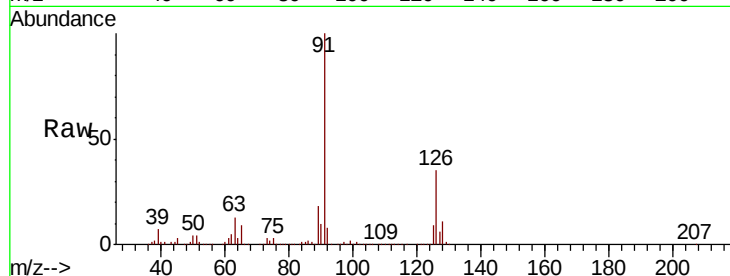
Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 153.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050589.D

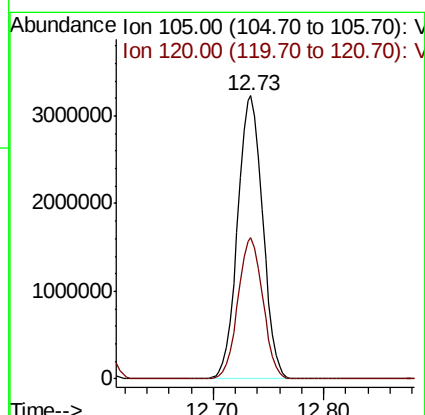
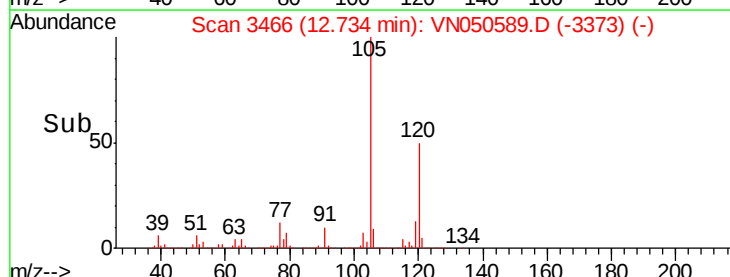
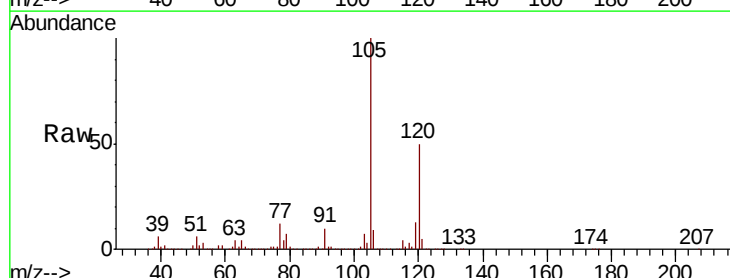
Acq: 14 Aug 2018 1:49

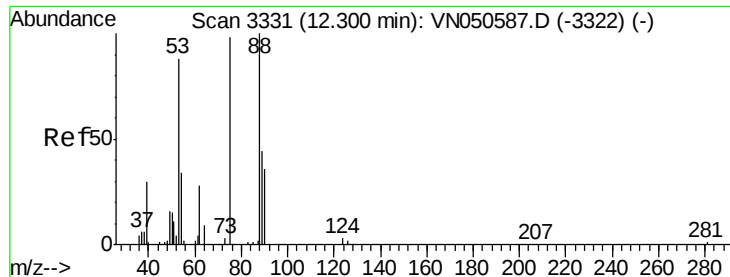
Tgt Ion: 105 Resp: 5074200

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 138.77 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 374335

Ion Ratio Lower Upper

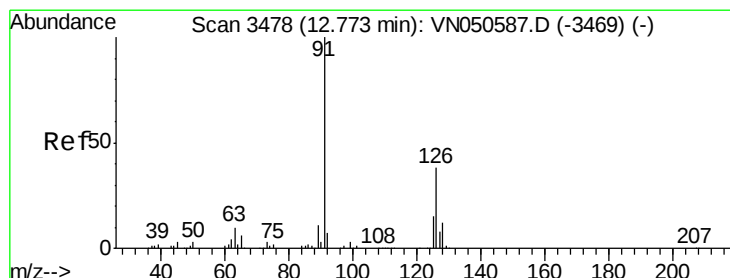
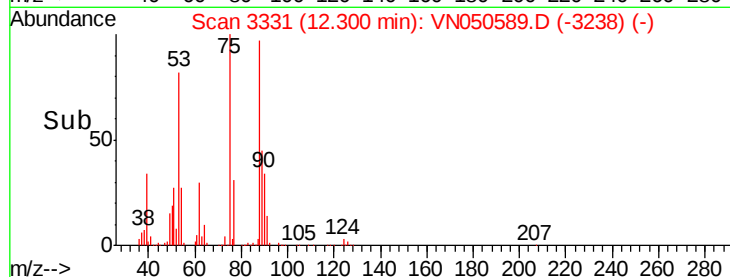
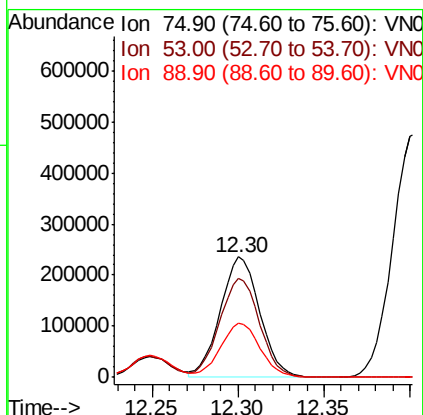
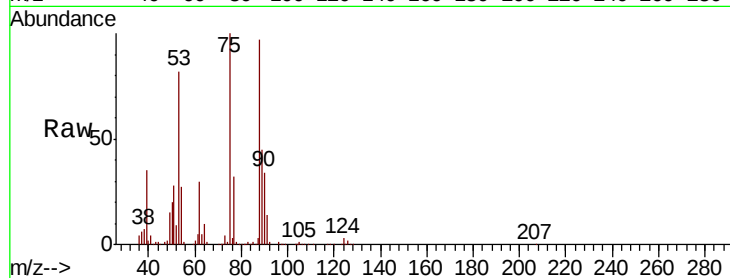
75 100

53 84.3 72.2 108.2

89 45.7 36.3 54.5

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#82

4-Chlorotoluene

Concen: 151.93 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050589.D

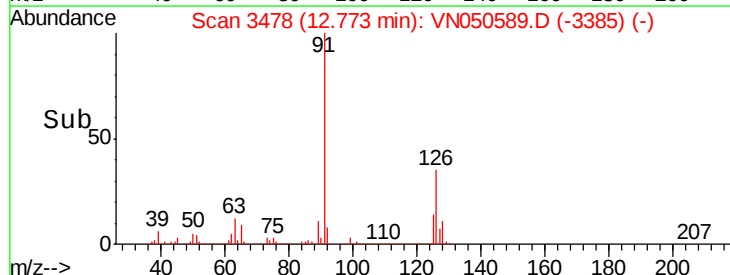
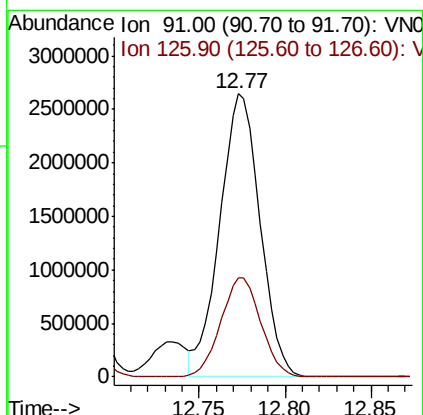
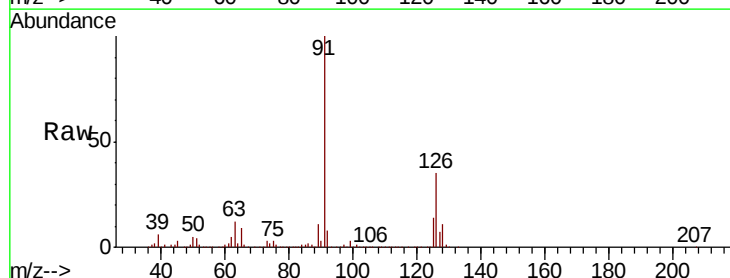
Acq: 14 Aug 2018 1:49

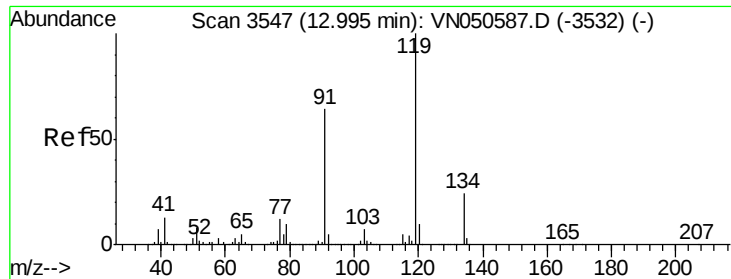
Tgt Ion: 91 Resp: 4321332

Ion Ratio Lower Upper

91 100

126 34.8 17.3 52.0





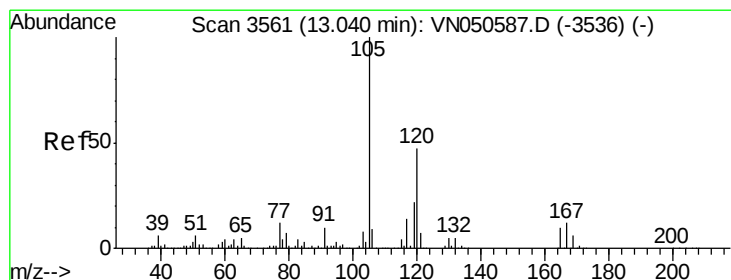
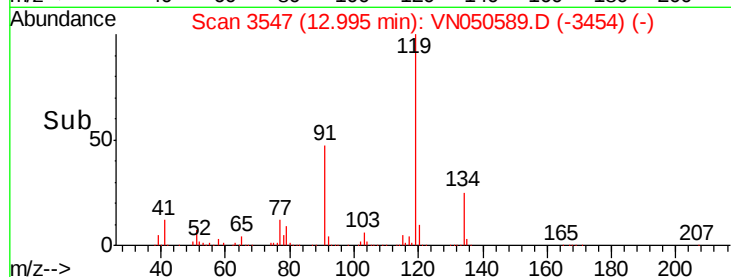
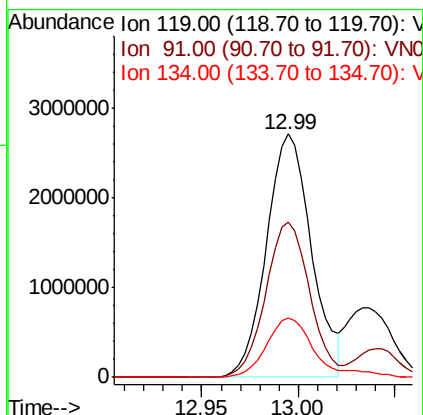
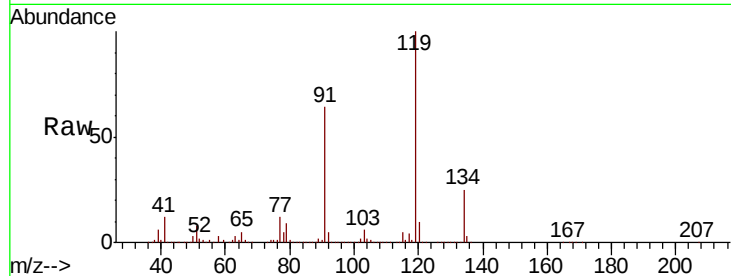
#83
 tert-Butylbenzene
 Concen: 152.82 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	32.2	96.6
134	26.2	13.4	40.2

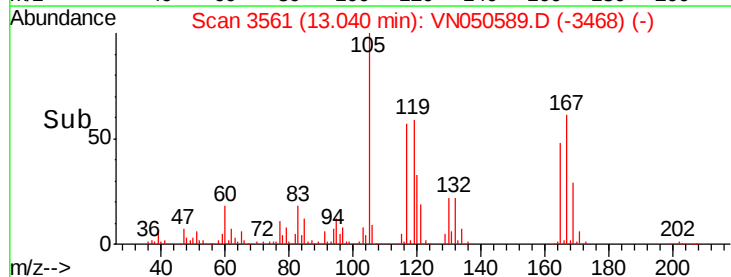
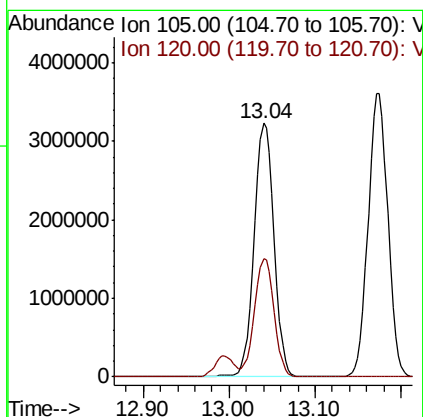
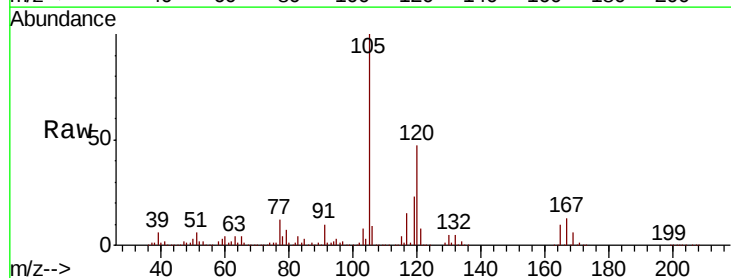
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 155.06 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





#85

sec-Butylbenzene

Concen: 150.48 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5785147

Ion Ratio Lower Upper

105 100

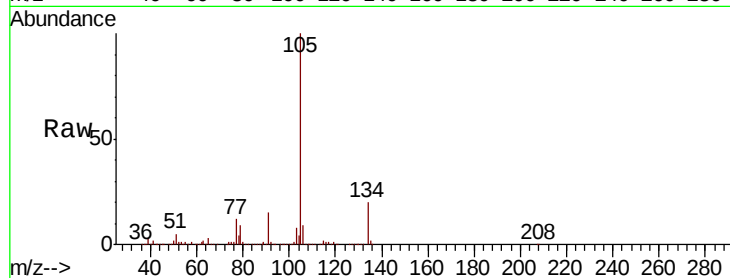
134 20.4 10.1 30.3

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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

4000000

3000000

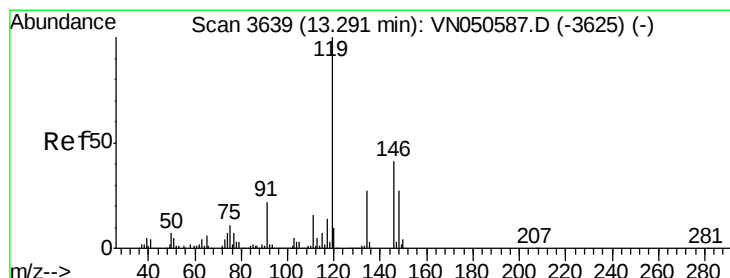
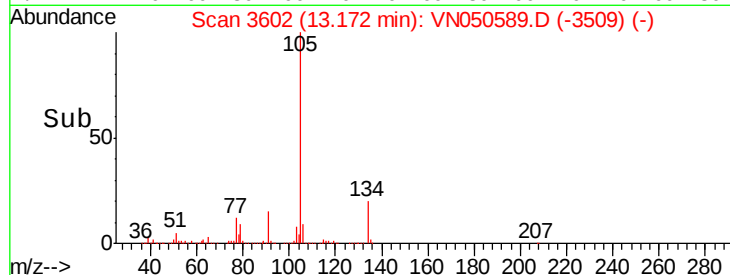
2000000

1000000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 157.18 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

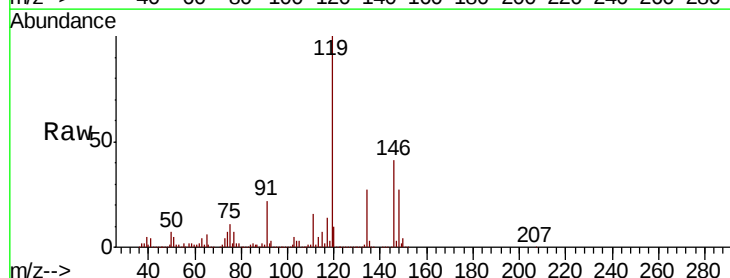
Tgt Ion:119 Resp: 5170819

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 11.2 33.6



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

4000000

3000000

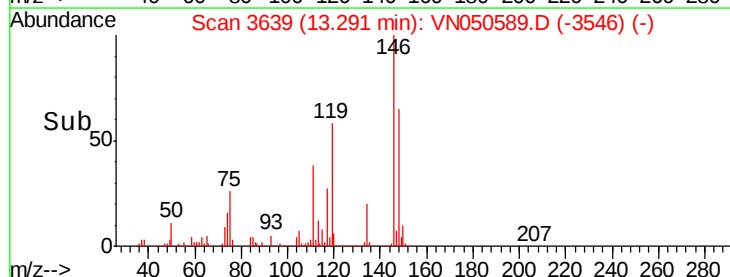
2000000

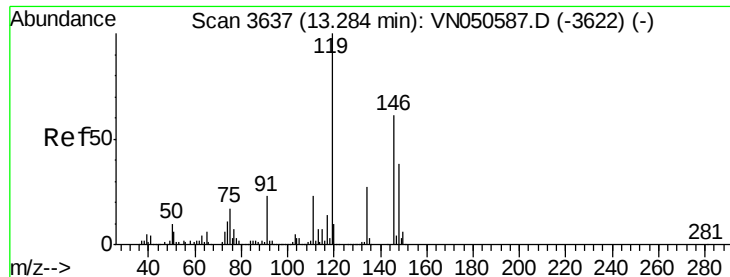
1000000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 145.96 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2829180

Ion Ratio Lower Upper

146 100

111 38.5 19.2 57.6

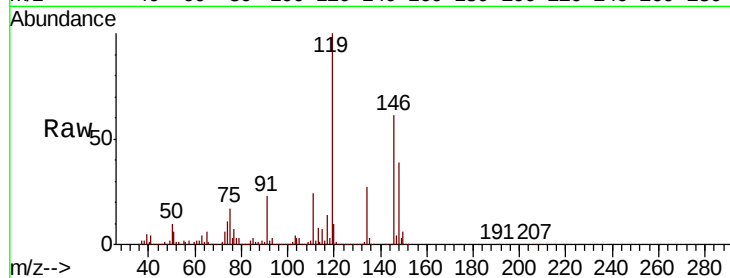
148 64.2 31.9 95.7

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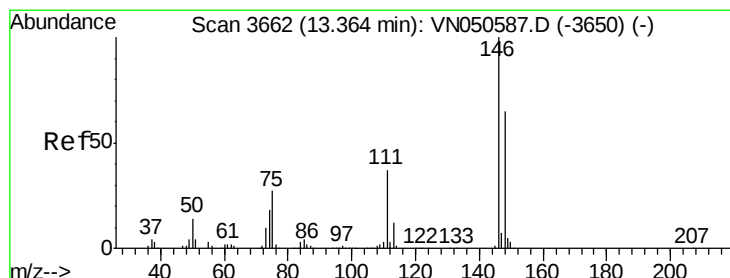
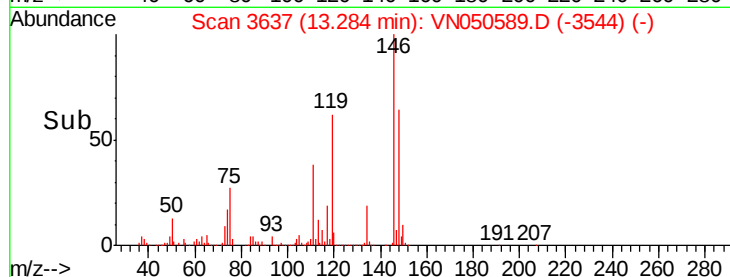
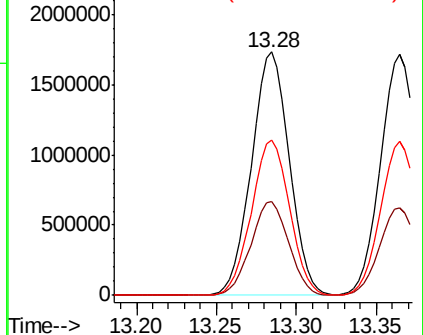
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 144.05 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

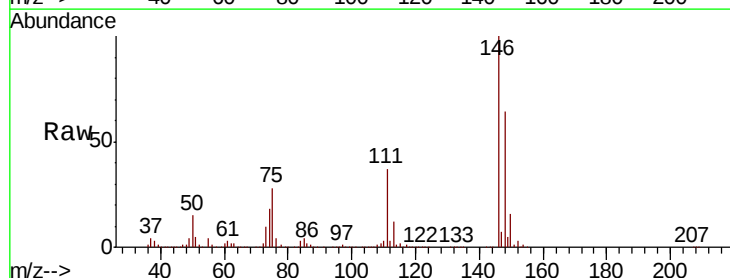
Tgt Ion:146 Resp: 2785440

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.4

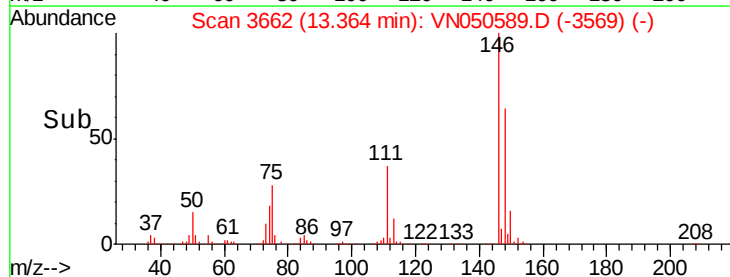
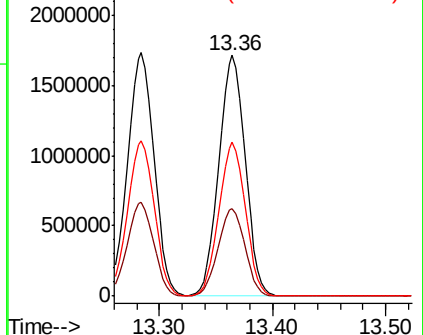
148 64.0 32.3 96.8

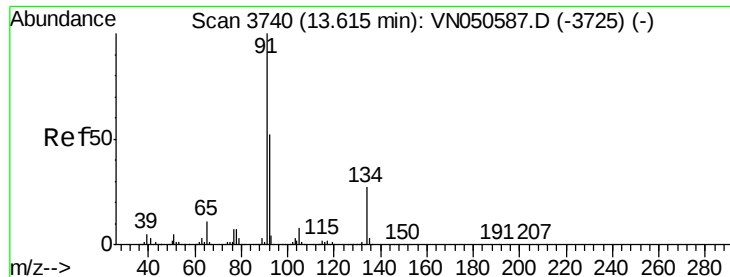


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





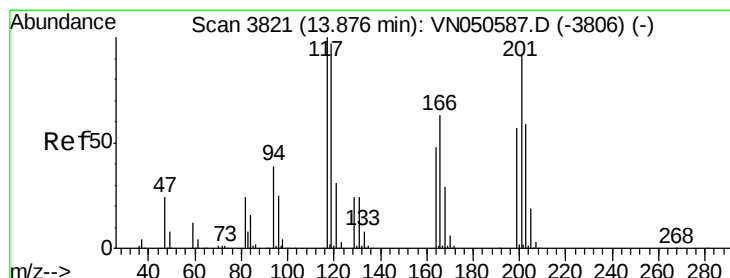
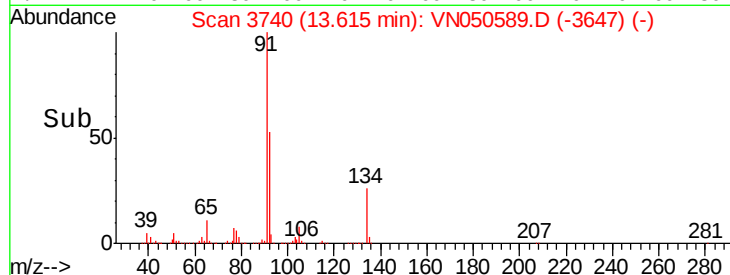
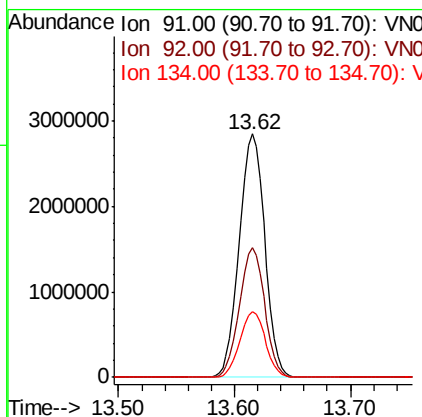
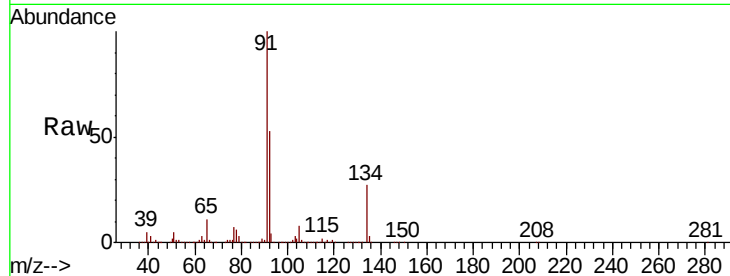
#89
n-Butylbenzene
Concen: 156.47 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.3	39.9

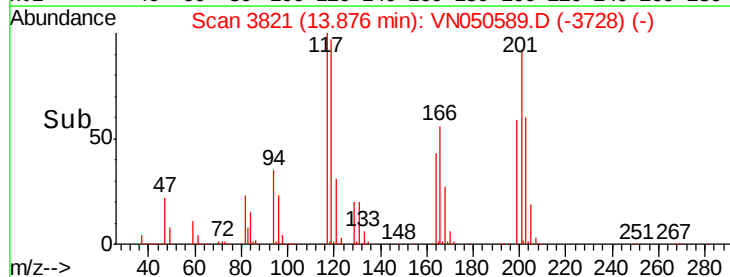
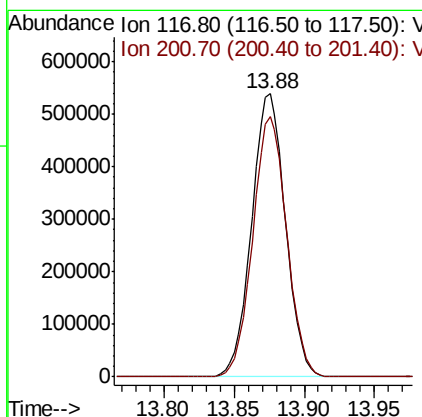
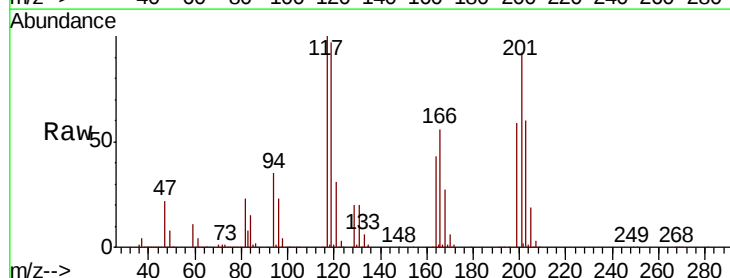
Manual Integrations
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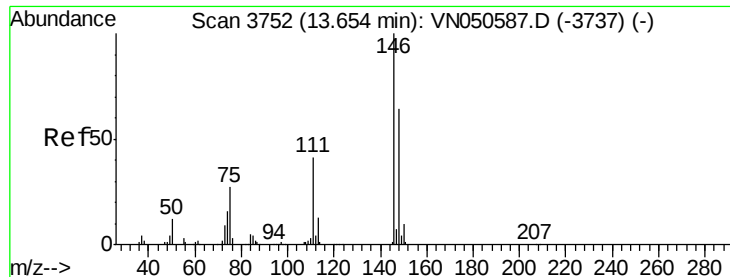
MMDadoda
8/15/2018 3:21:47 PM



#90
Hexachloroethane
Concen: 153.21 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.5	136.5





#91

1,2-Dichlorobenzene

Concen: 136.71 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2645282

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

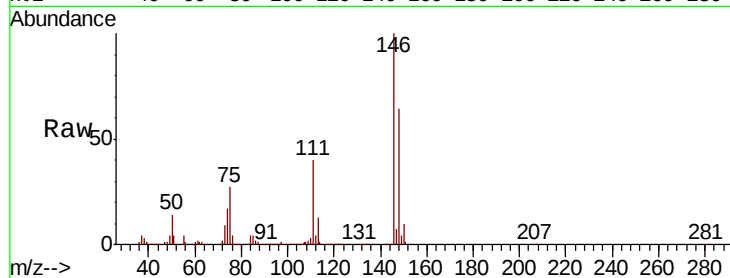
148 64.3 32.3 96.8

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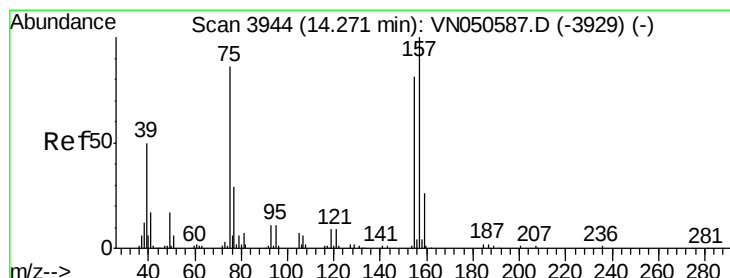
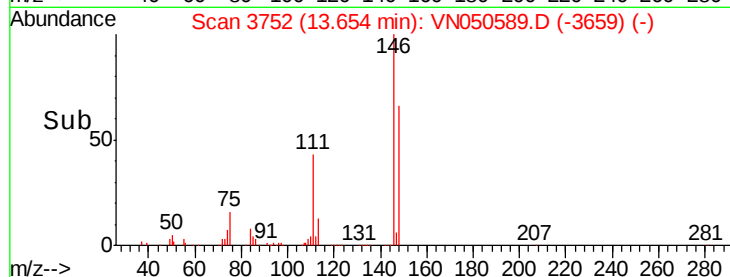
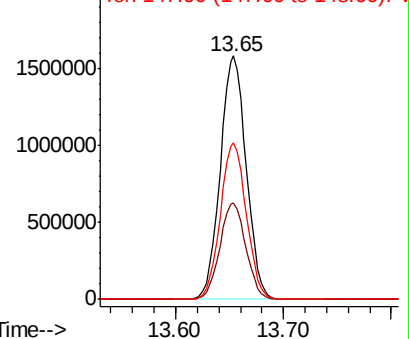


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 109.33 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050589.D

Acq: 14 Aug 2018 1:49

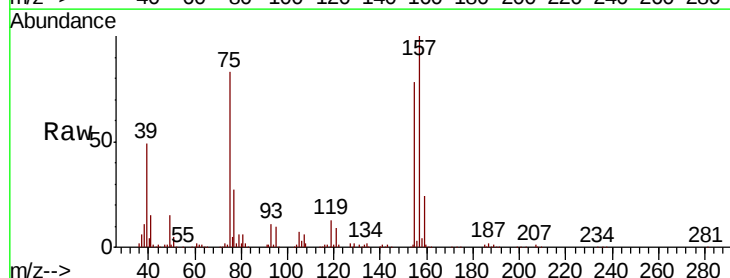
Tgt Ion: 75 Resp: 210169

Ion Ratio Lower Upper

75 100

155 94.4 46.6 139.8

157 120.2 58.1 174.2

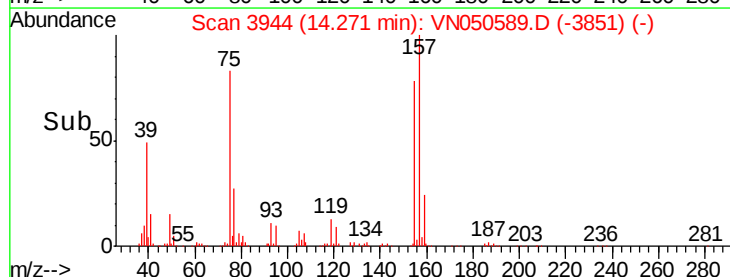
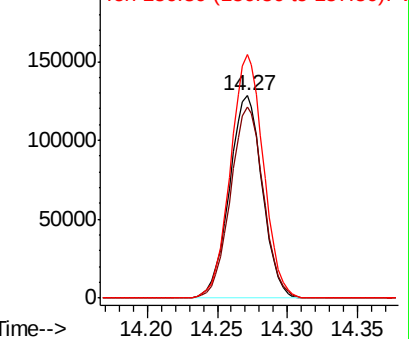


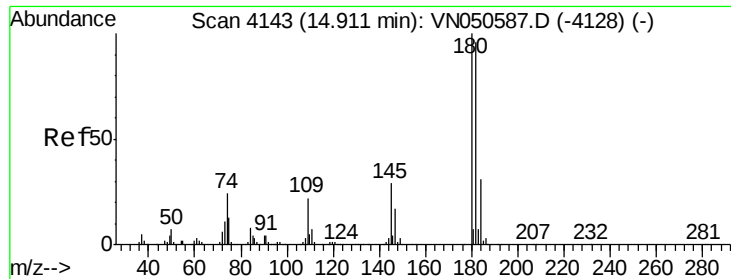
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





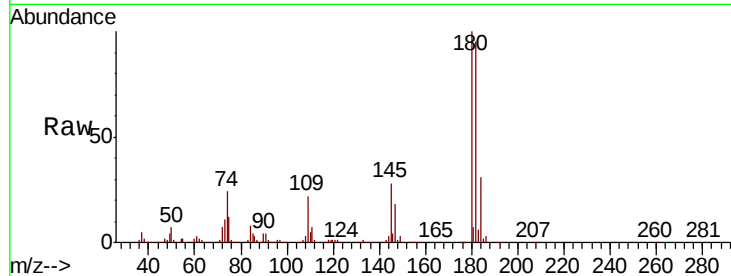
#93
 1,2,4-Trichlorobenzene
 Concen: 156.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	28.3	14.4	43.4

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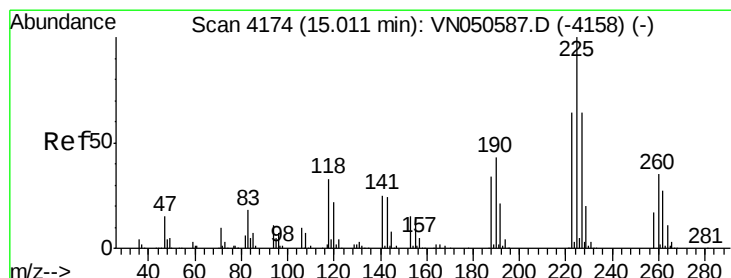
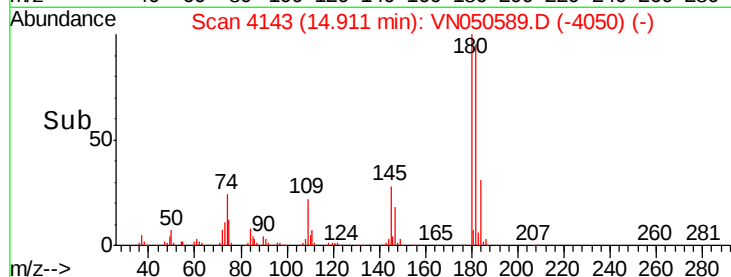
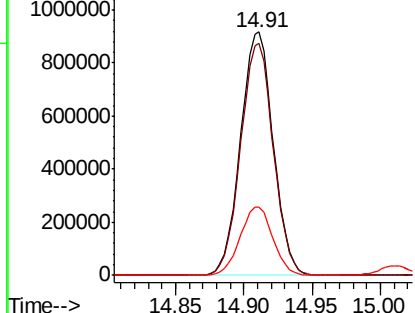


Abundance

Ion 179.80 (179.50 to 180.50): V

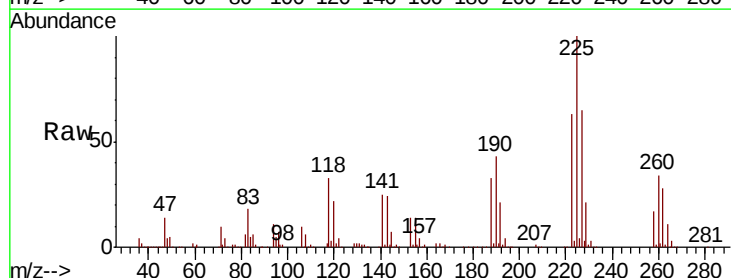
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 109.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.1	96.3
227	64.5	32.0	96.2

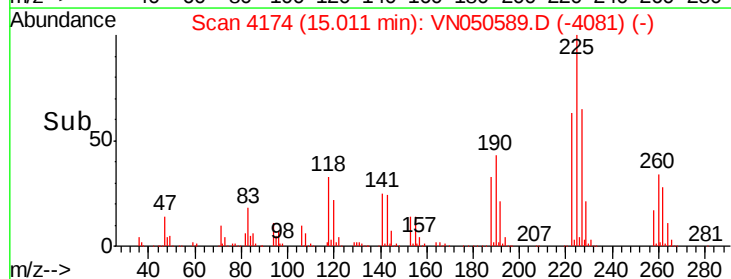
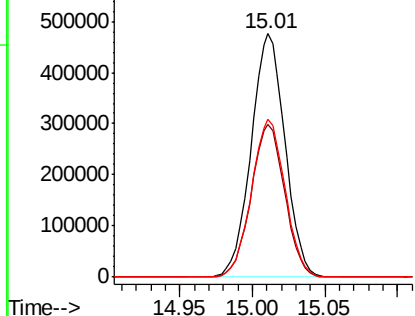


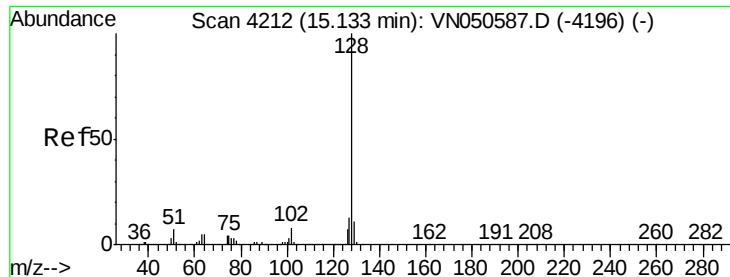
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





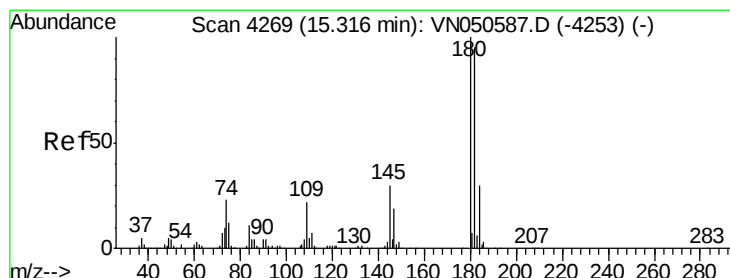
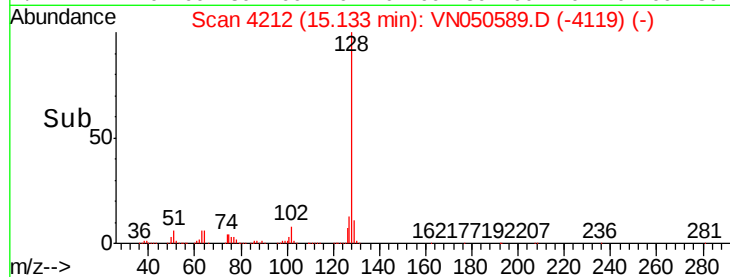
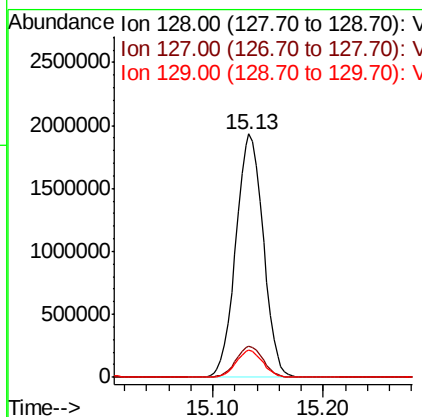
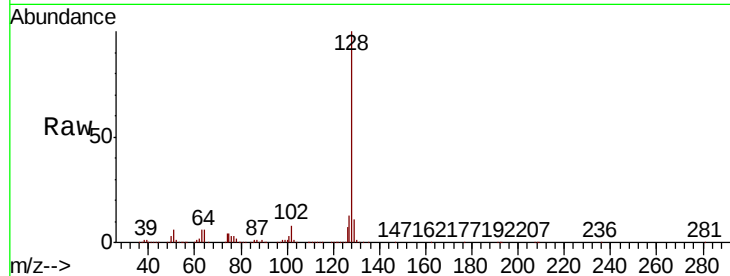
#95
Naphthalene
Concen: 151.07 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 142.94 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	29.7	14.6	44.0

