

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052229.D
 Acq On : 9 Nov 2018 15:53
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:50 AM

Quant Time: Nov 12 00:16:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	303280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	614833	148.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.46%	
35) Dibromofluoromethane	7.59	113	504570	149.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.64%	
50) Toluene-d8	10.09	98	1996875	150.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.96%	
62) 4-Bromofluorobenzene	12.40	95	672718	157.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	522793	158.560	ug/l	96
3) Chloromethane	2.06	50	689026	149.680	ug/l	100
4) Vinyl Chloride	2.19	62	578510	150.837	ug/l	98
5) Bromomethane	2.56	94	345474	141.972	ug/l	96
6) Chloroethane	2.71	64	326184	143.217	ug/l	99
7) Trichlorofluoromethane	3.02	101	757532	141.888	ug/l	100
8) Diethyl Ether	3.41	74	302453	144.000	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484488	140.905	ug/l	98
10) Methyl Iodide	3.96	142	727153	163.613	ug/l	100
11) Tert butyl alcohol	4.78	59	141495	683.101	ug/l	99
12) 1,1-Dichloroethene	3.74	96	465914	146.947	ug/l	99
13) Acrolein	3.61	56	270393	944.002	ug/l	96
14) Allyl chloride	4.33	41	984420	148.297	ug/l	97
15) Acrylonitrile	4.99	53	953571	729.745	ug/l	99
16) Acetone	3.82	43	732868	575.950	ug/l	99
17) Carbon Disulfide	4.06	76	1462918	159.056	ug/l	100
18) Methyl Acetate	4.32	43	470313	143.840	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1349216	148.945	ug/l	99
20) Methylene Chloride	4.55	84	535961	152.586	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	496886	144.196	ug/l	93
22) Diisopropyl ether	5.95	45	1967020	147.094	ug/l	99
23) Vinyl Acetate	5.90	43	7005336	767.198	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1019170	145.005	ug/l	99
25) 2-Butanone	6.83	43	1166439	659.249	ug/l	99
26) 2,2-Dichloropropane	6.83	77	769596	149.915	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	570309	147.853	ug/l	99
28) Bromochloromethane	7.20	49	510134	146.885	ug/l	99
29) Tetrahydrofuran	7.21	42	778950	684.965	ug/l	100
30) Chloroform	7.37	83	967335	145.423	ug/l	98
31) Cyclohexane	7.66	56	971387	119.074	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	830328	153.144	ug/l	99
36) 1,1-Dichloropropene	7.80	75	778106	147.770	ug/l	100
37) Ethyl Acetate	6.93	43	545890	140.505	ug/l	99
38) Carbon Tetrachloride	7.78	117	727105	152.372	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	910019	151.517	ug/l	100
40) Benzene	8.04	78	2195104	145.600	ug/l	100
41) Methacrylonitrile	7.18	41	307920m	150.238	ug/l	
42) 1,2-Dichloroethane	8.13	62	753265	142.404	ug/l	100
43) Isopropyl Acetate	8.16	43	1022457	148.111	ug/l	99
44) Trichloroethene	8.84	130	554006	146.643	ug/l	99
45) 1,2-Dichloropropane	9.12	63	616840	146.454	ug/l	99
46) Dibromomethane	9.21	93	353180	145.985	ug/l	99
47) Bromodichloromethane	9.40	83	757651	151.154	ug/l	99
48) Methyl methacrylate	9.20	41	522545	143.662	ug/l	99
49) 1,4-Dioxane	9.20	88	72052	2464.178	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2686134	704.585	ug/l	100
52) Toluene	10.16	92	1358010	149.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	824907	166.770	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	924590	158.346	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	469825	142.929	ug/l	99
56) Ethyl methacrylate	10.43	69	678120	152.641	ug/l	99
57) 1,3-Dichloropropane	10.71	76	857655	145.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1877360	763.177	ug/l	99
59) 2-Hexanone	10.75	43	1814109	677.848	ug/l	100
60) Dibromochloromethane	10.90	129	549933	164.935	ug/l	98
61) 1,2-Dibromoethane	11.01	107	483607	149.697	ug/l	100
64) Tetrachloroethene	10.63	164	475820	143.295	ug/l	99
65) Chlorobenzene	11.43	112	1475902	146.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	520817	152.997	ug/l	98
67) Ethyl Benzene	11.51	91	2655689	150.240	ug/l	99
68) m/p-Xylenes	11.62	106	1963451	298.266	ug/l	99
69) o-Xylene	11.95	106	938101	149.161	ug/l	97
70) Styrene	11.96	104	1559765	153.507	ug/l	100
71) Bromoform	12.13	173	332274	163.619	ug/l #	99
73) Isopropylbenzene	12.25	105	2554657	144.699	ug/l	100
74) N-amyl acetate	12.07	43	940595	146.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	571883	132.130	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570539m	164.665	ug/l	
77) Bromobenzene	12.53	156	580341	140.429	ug/l	97
78) n-propylbenzene	12.59	91	3049856	147.495	ug/l	99
79) 2-Chlorotoluene	12.67	91	1725621	144.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2061152	146.800	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	182686	163.195	ug/l	98
82) 4-Chlorotoluene	12.77	91	1788044	148.762	ug/l	99
83) tert-Butylbenzene	12.99	119	1760698	143.637	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2079120	146.865	ug/l	99
85) sec-Butylbenzene	13.17	105	2506210	149.090	ug/l	100
86) p-Isopropyltoluene	13.29	119	2126502	151.211	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1039367	144.473	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1041410	144.596	ug/l	99
89) n-Butylbenzene	13.61	91	1974994	157.716	ug/l	99
90) Hexachloroethane	13.87	117	388586	157.428	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	979020	139.443	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86308	140.265	ug/l	99

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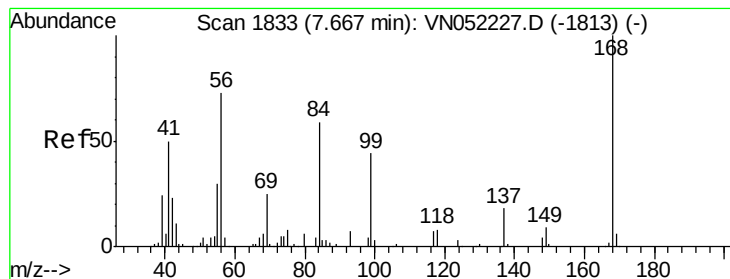
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	495689	178.543	ug/l	99
94) Hexachlorobutadiene	15.01	225	222331	147.374	ug/l	99
95) Naphthalene	15.13	128	1148616	167.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	438021	166.872	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 303280

Ion Ratio Lower Upper

168 100

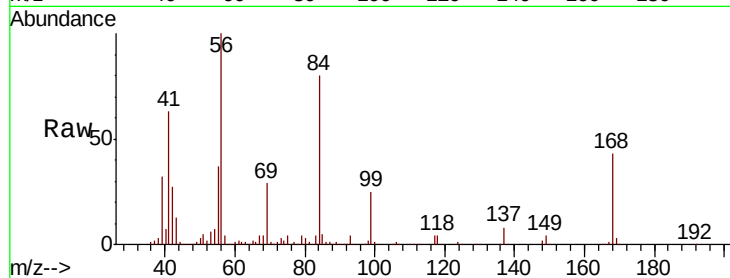
99 59.3 44.7 67.1

Manual Integrations

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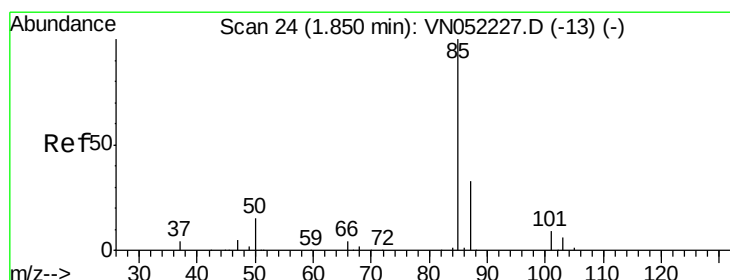
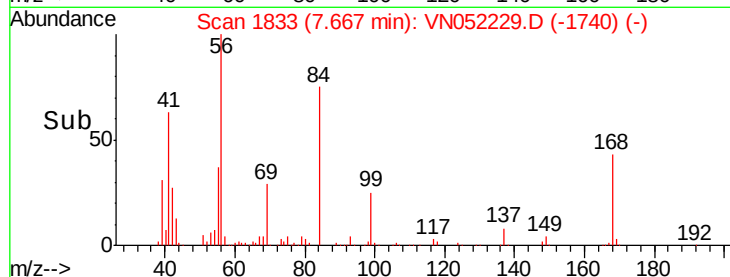
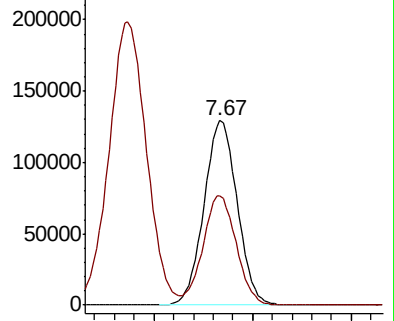
MMDadoda

11/12/2018 9:18:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 158.560 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052229.D

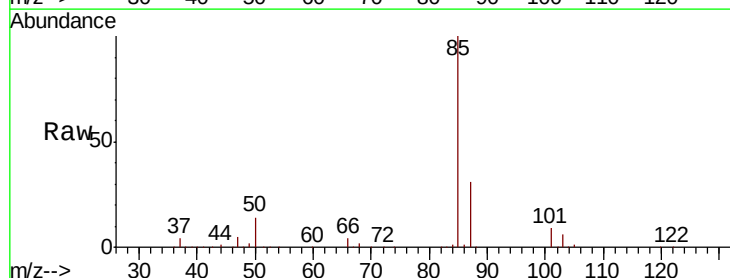
Acq: 9 Nov 2018 15:53

Tgt Ion: 85 Resp: 522793

Ion Ratio Lower Upper

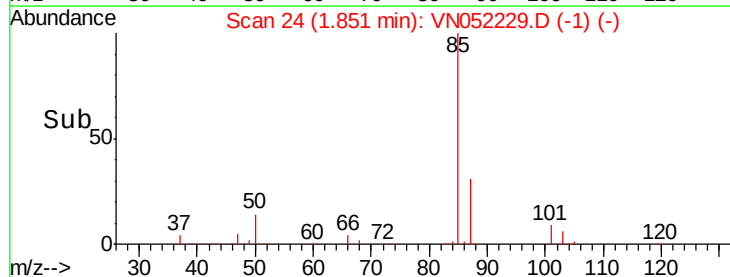
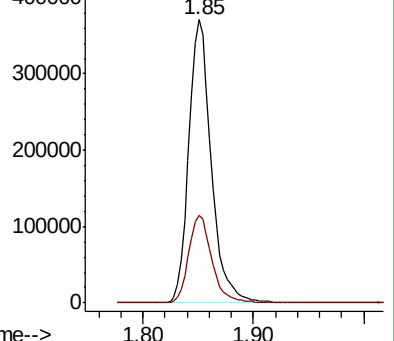
85 100

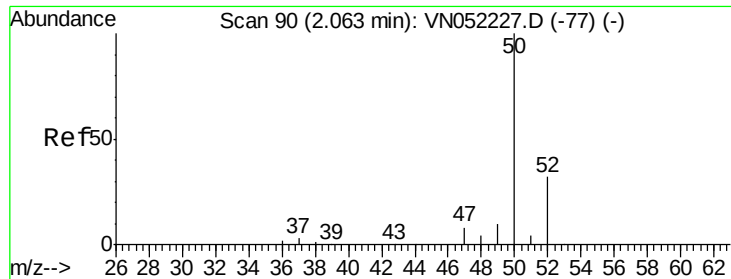
87 31.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 149.680 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 689026

Ion Ratio Lower Upper

50 100

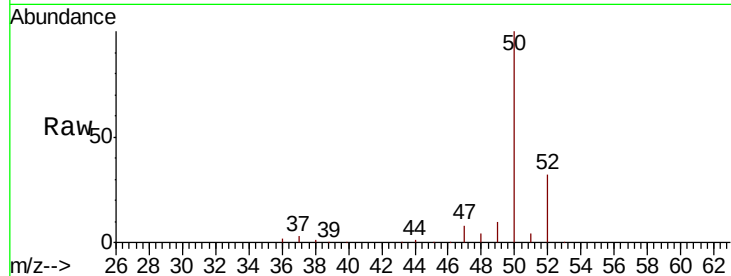
52 32.3 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

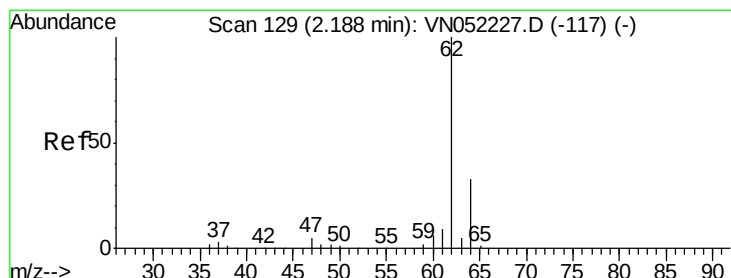
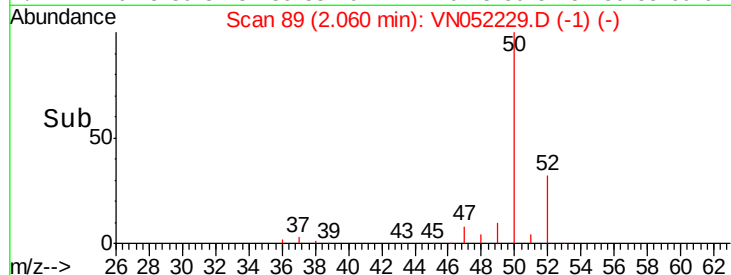
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 150.837 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052229.D

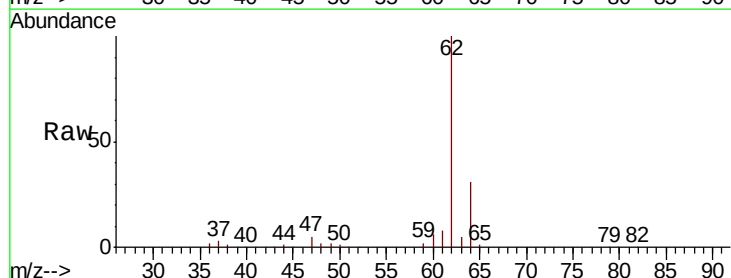
Acq: 9 Nov 2018 15:53

Tgt Ion: 62 Resp: 578510

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

400000

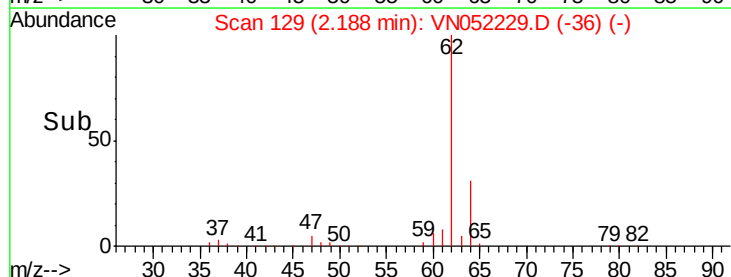
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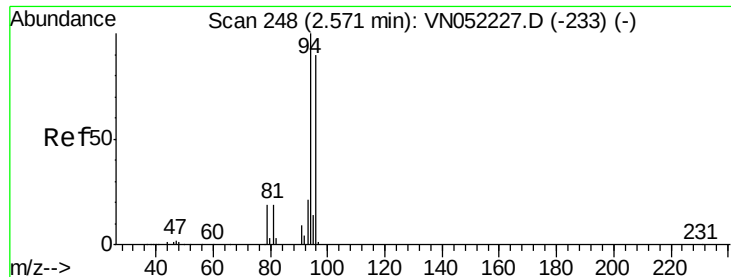
200000

100000

0

Time-->





#5

Bromomethane

Concen: 141.972 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 345474

Ion Ratio Lower Upper

94 100

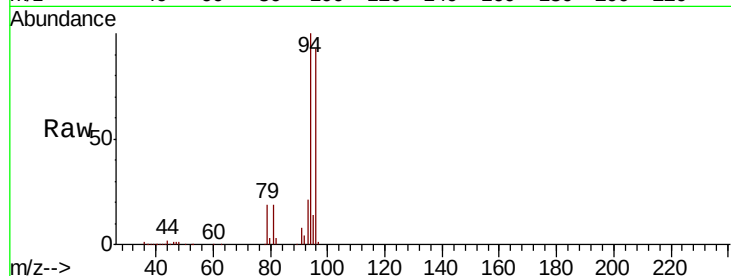
96 93.2 71.8 107.8

Manual Integrations

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11/12/2018 9:18:50 AM



Abundance Ion 93.90 (93.60 to 94.60): VN052229.D (-155) (-)

Ion 95.90 (95.60 to 96.60): VN052229.D (-155) (-)

2.56

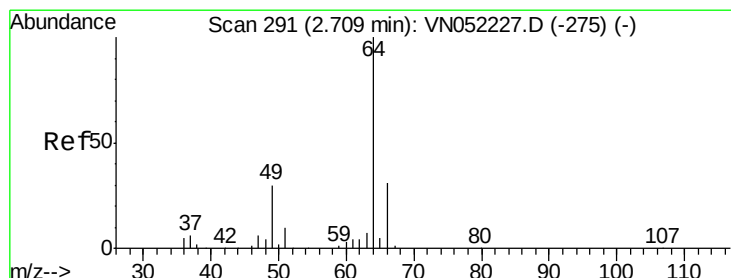
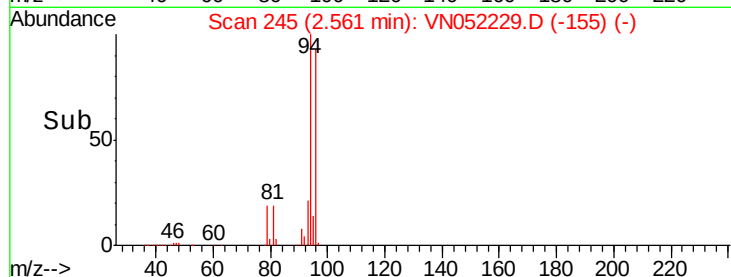
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 143.217 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052229.D

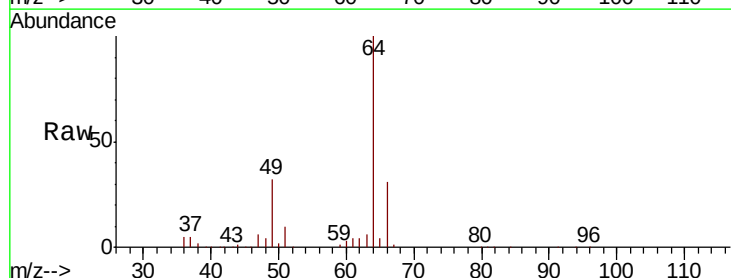
Acq: 9 Nov 2018 15:53

Tgt Ion: 64 Resp: 326184

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN052229.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052229.D (-198) (-)

2.71

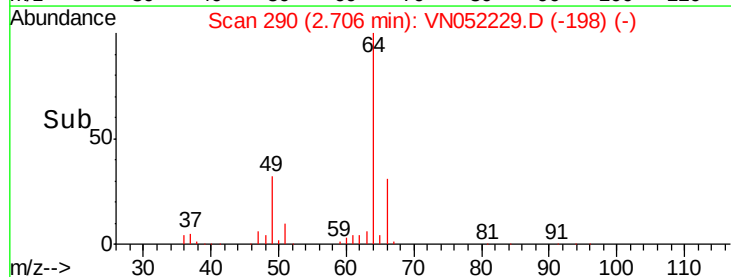
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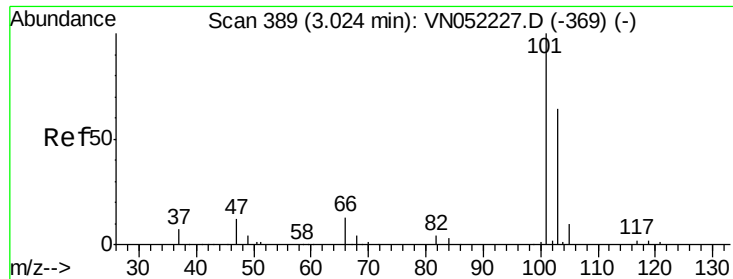
100000

50000

0

Time-->





#7

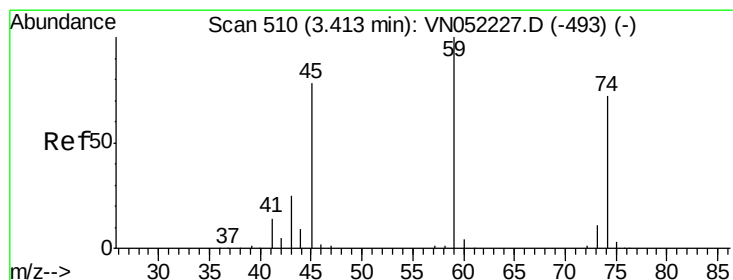
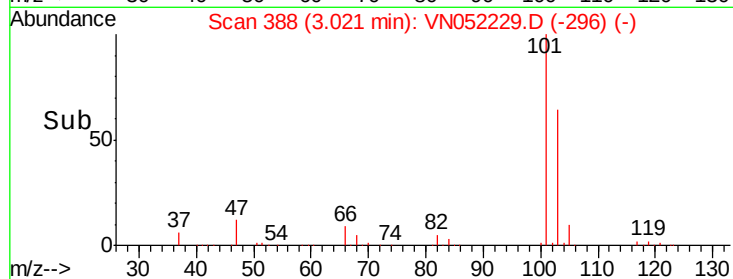
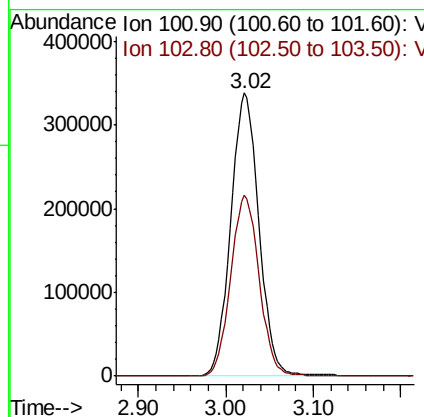
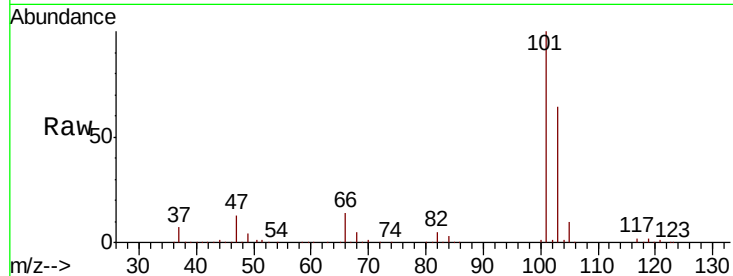
Trichlorofluoromethane
Concen: 141.888 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

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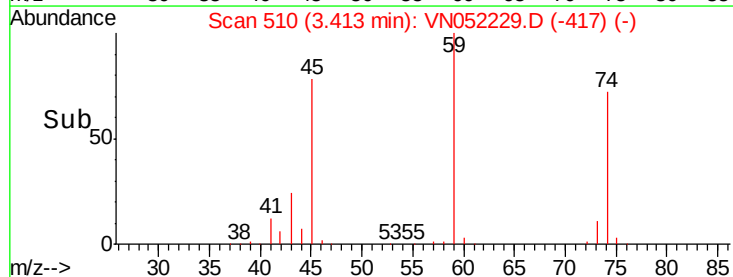
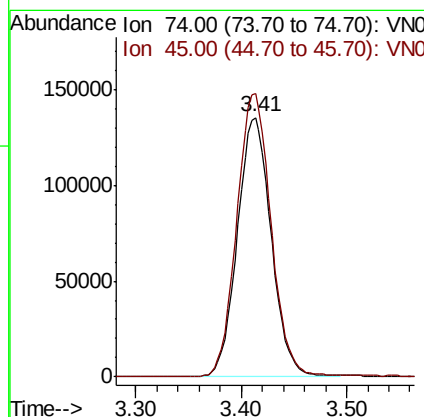
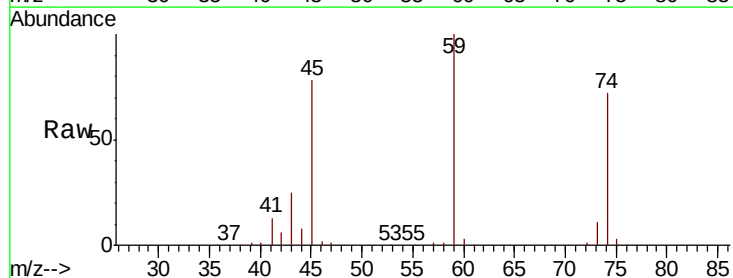
MMDadoda
11/12/2018 9:18:50 AM

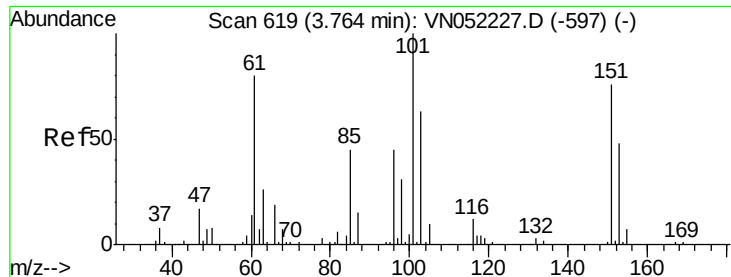


#8

Diethyl Ether
Concen: 144.000 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	55.5	166.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.905 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

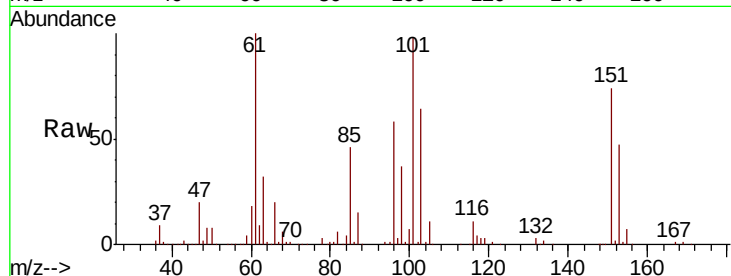
ClientSampleId :

VSTDIC150

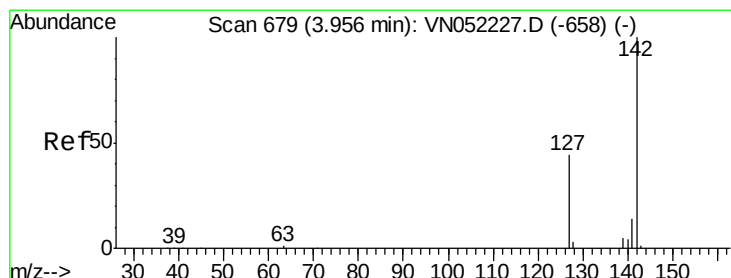
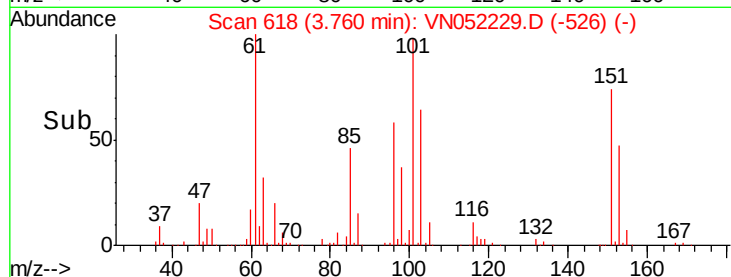
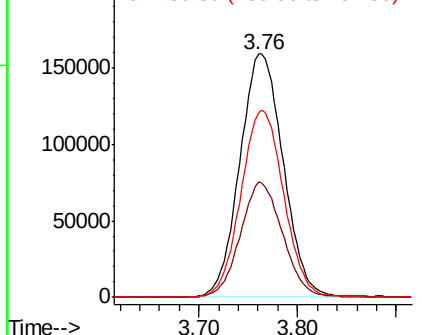
Tot Ion:	101	Resp:	484488
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.2	54.4
151	75.8	59.2	88.8

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



#10

Methyl Iodide

Concen: 163.613 ug/l

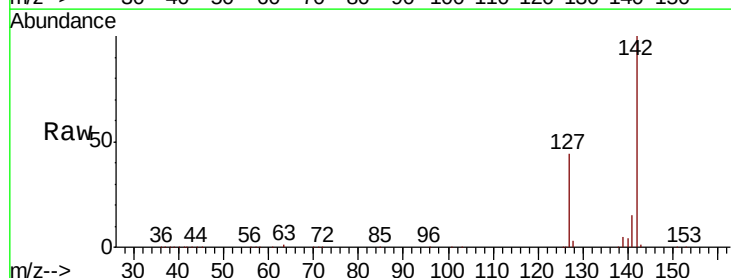
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

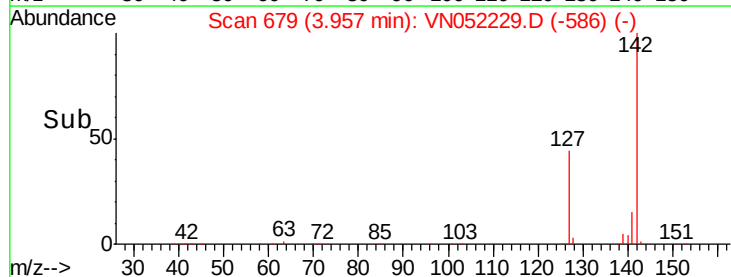
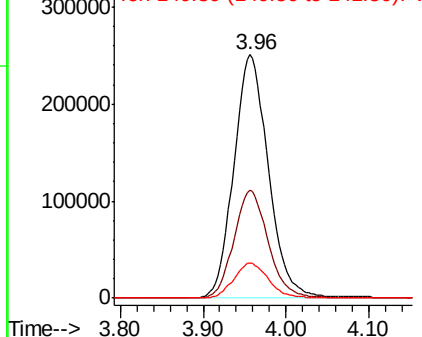
Lab File: VN052229.D

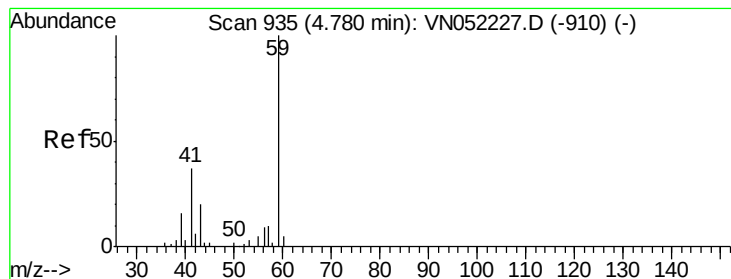
Acq: 9 Nov 2018 15:53

Tgt Ion:	142	Resp:	727153
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.5	11.8	17.6



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

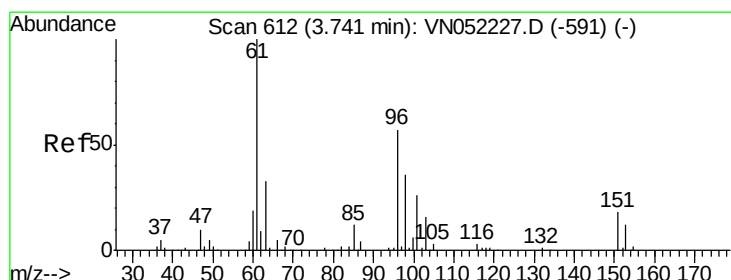
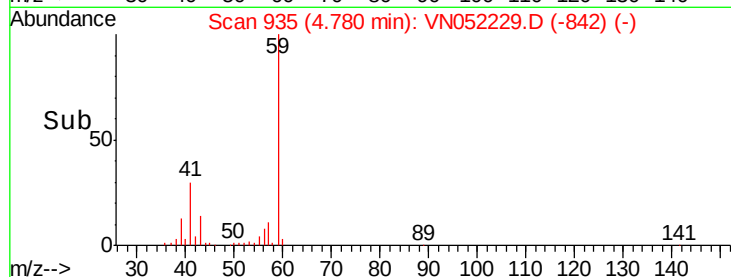
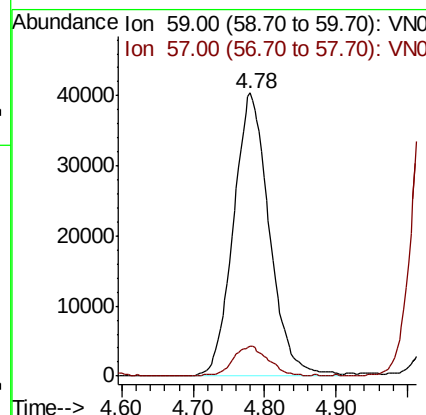
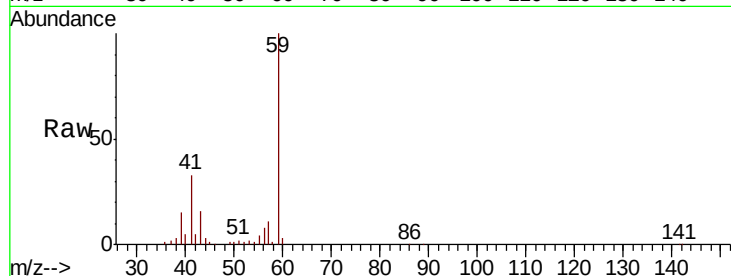
Tert butyl alcohol
 Concen: 683.101 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

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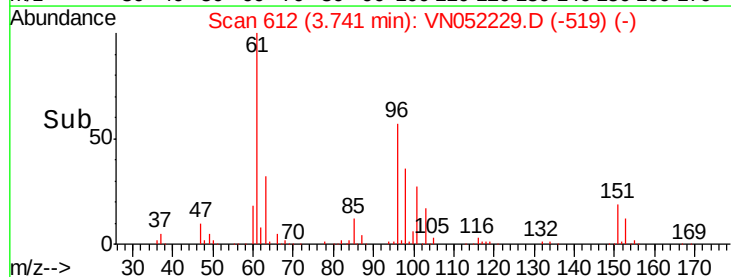
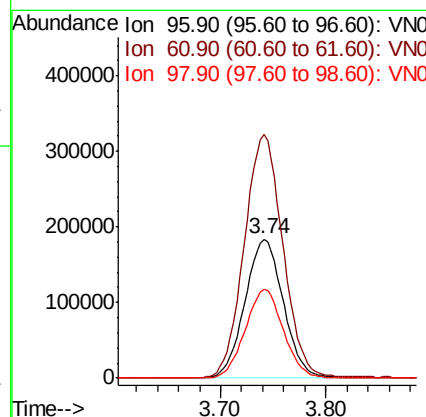
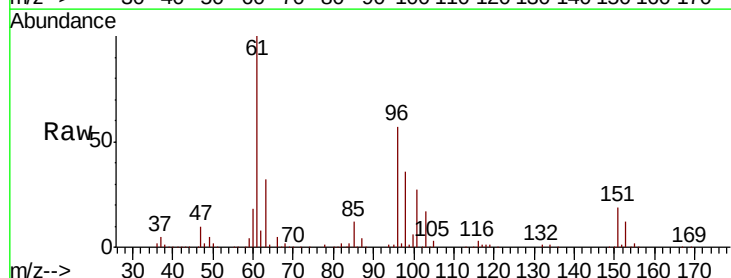
MMDadoda
 11/12/2018 9:18:50 AM

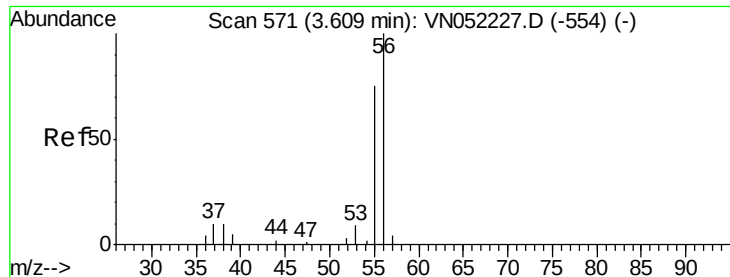


#12

1,1-Dichloroethene
 Concen: 146.947 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	141.1	211.7
98	64.0	50.3	75.5





#13

Acrolein

Concen: 944.002 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 270393

Ion Ratio Lower Upper

56 100

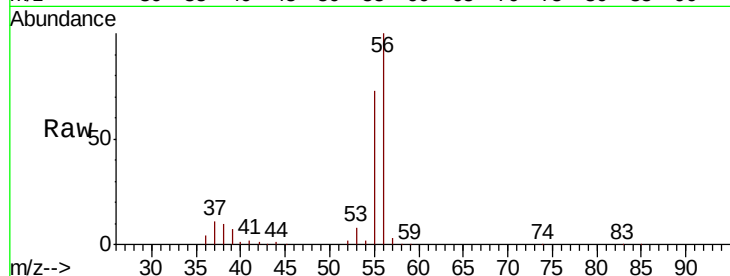
55 71.8 59.9 89.9

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Abundance Ion 56.00 (55.70 to 56.70): VN052229.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052229.D (-554) (-)

3.61

120000

100000

80000

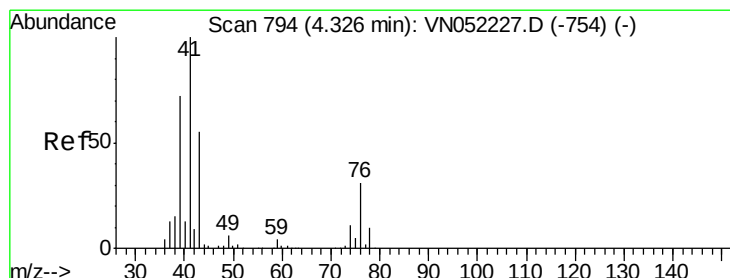
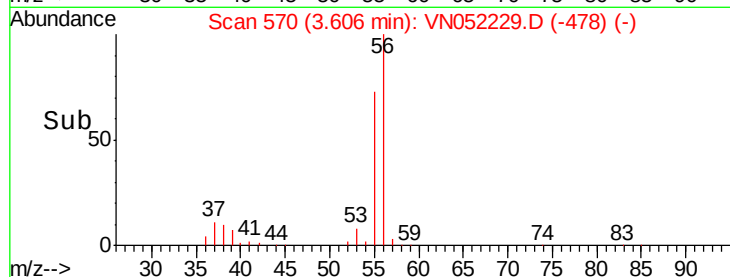
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 148.297 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

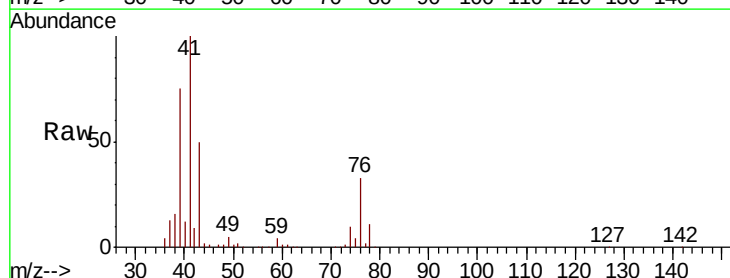
Tgt Ion: 41 Resp: 984420

Ion Ratio Lower Upper

41 100

39 71.8 55.1 82.7

76 30.7 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN052229.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052229.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052229.D (-701) (-)

4.33

500000

400000

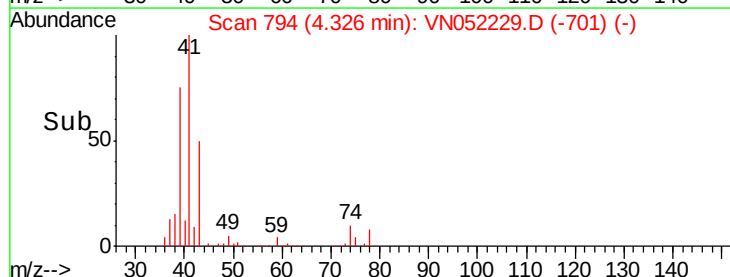
300000

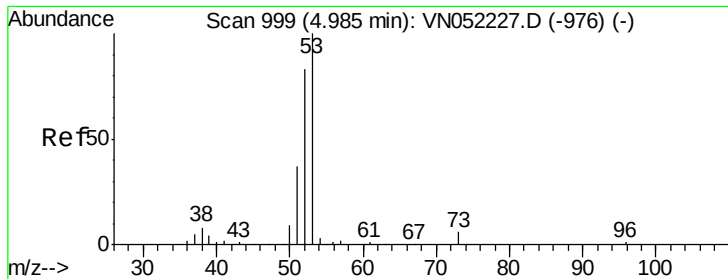
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 729.745 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

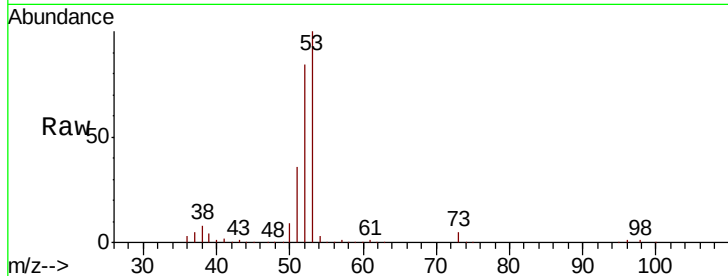
ClientSampleId :

VSTDIC150

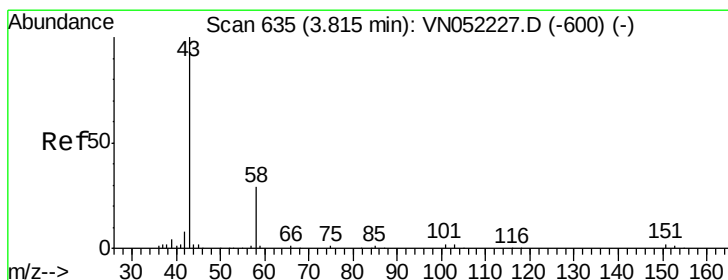
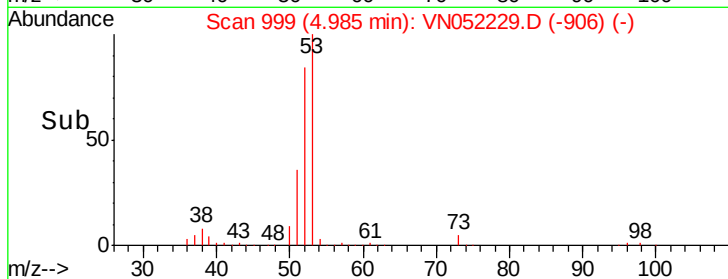
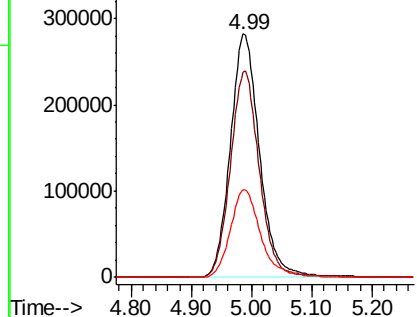
Tot Ion:	53	Resp:	953571
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.2	29.4	44.0

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Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 575.950 ug/l

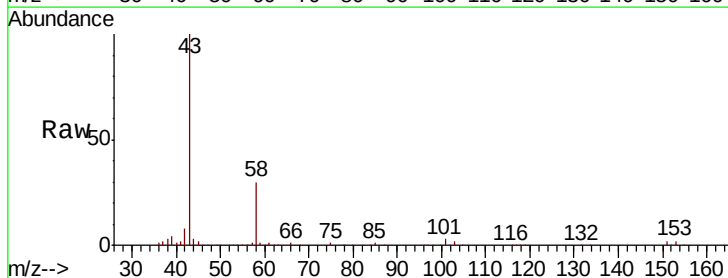
RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

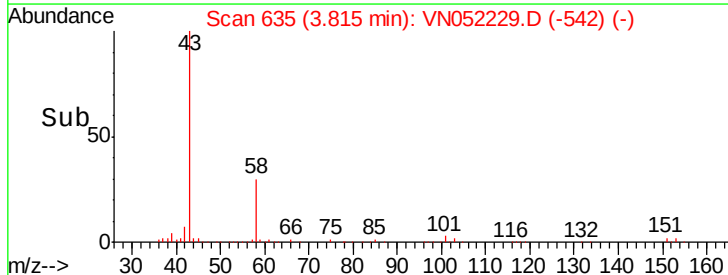
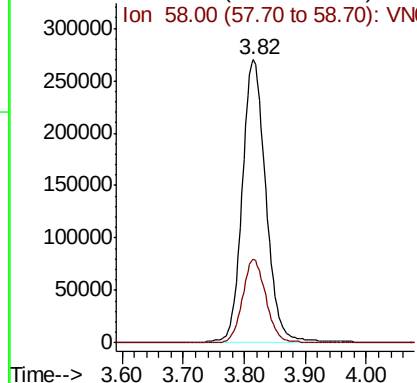
Lab File: VN052229.D

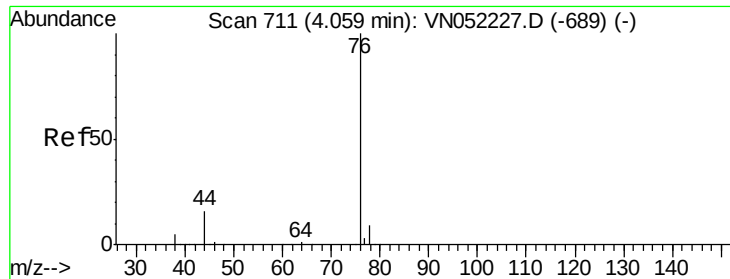
Acq: 9 Nov 2018 15:53

Tgt Ion:	43	Resp:	732868
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.0	34.6



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





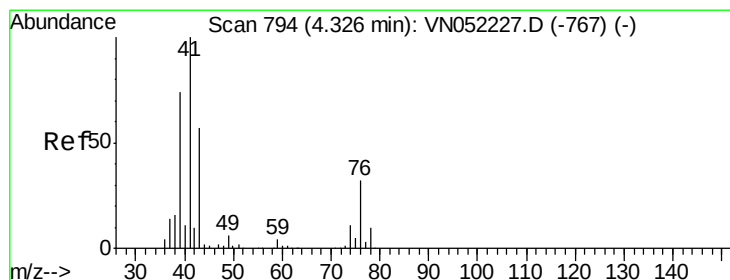
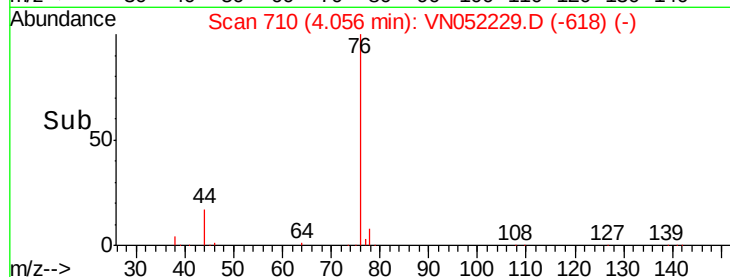
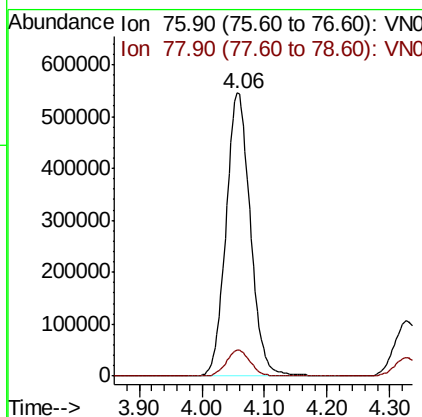
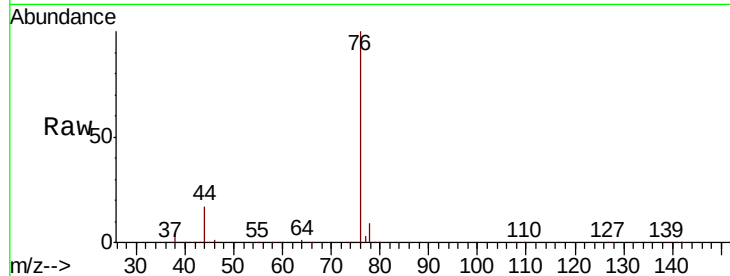
#17
Carbon Disulfide
Concen: 159.056 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 76 Resp: 1462918
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

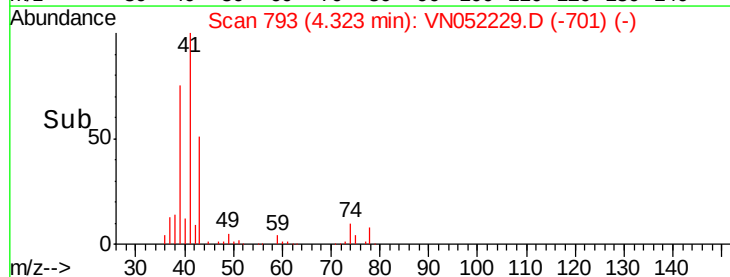
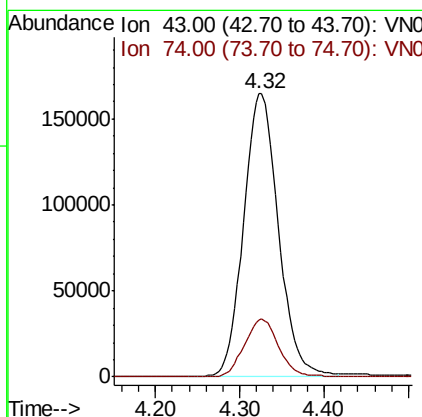
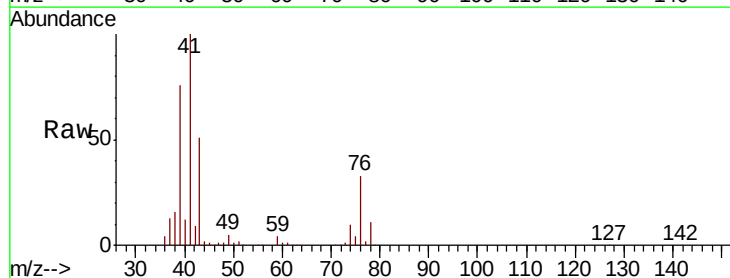
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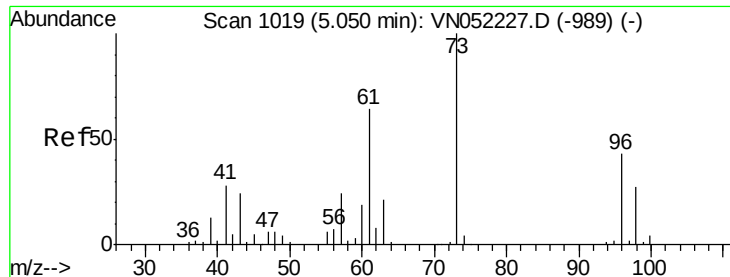
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#18
Methyl Acetate
Concen: 143.840 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 43 Resp: 470313
Ion Ratio Lower Upper
43 100
74 20.3 16.2 24.2





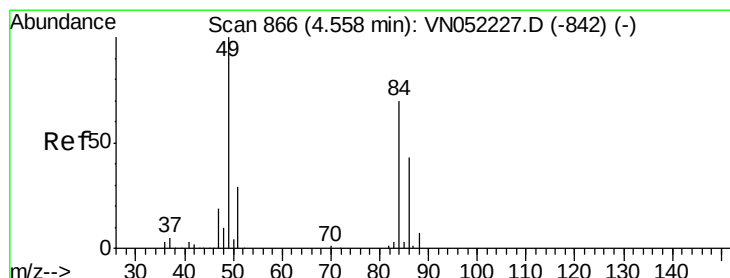
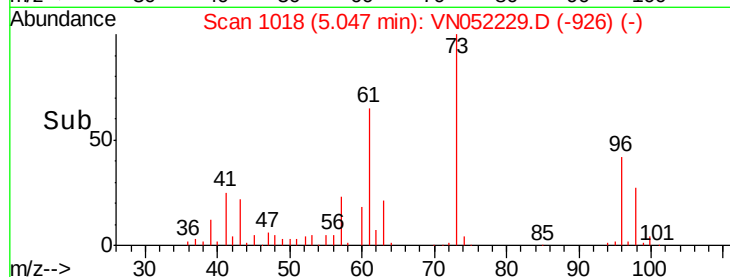
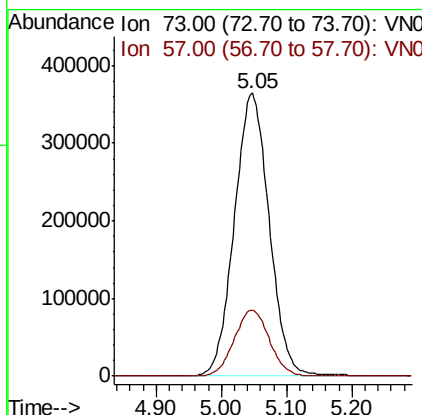
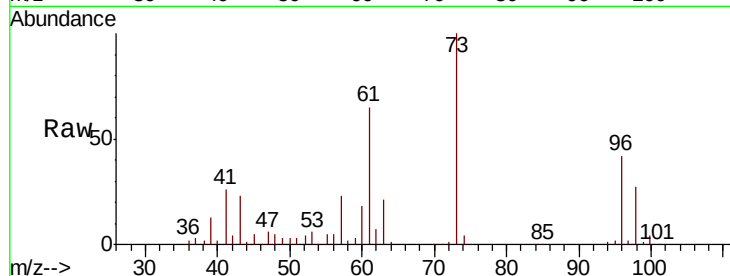
#19
Methyl tert-butyl Ether
Concen: 148.945 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1349216
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7

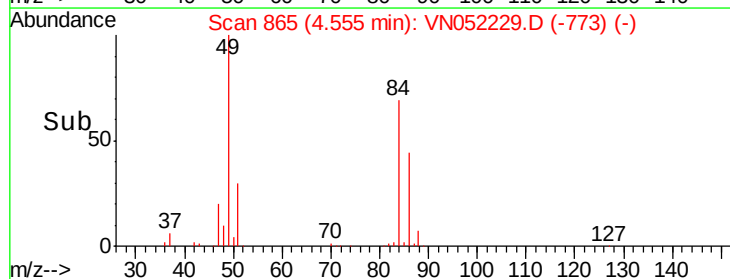
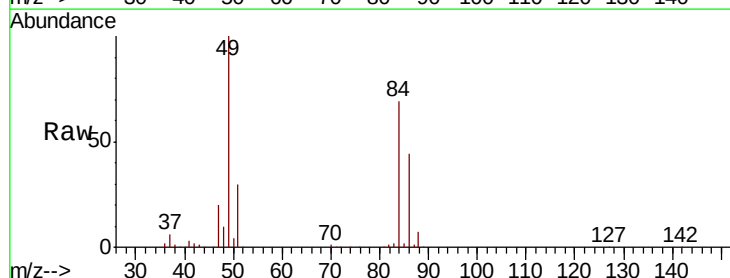
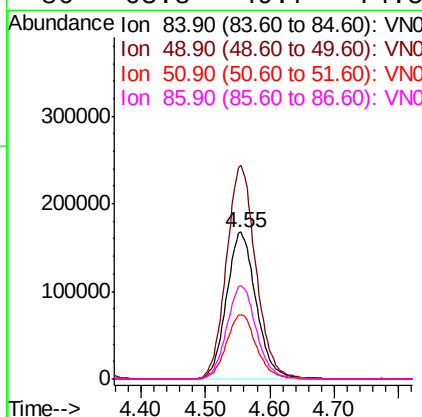
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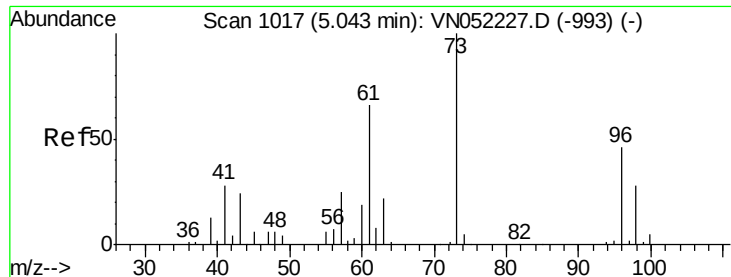
MMDadoda
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#20
Methylene Chloride
Concen: 152.586 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 84 Resp: 535961
Ion Ratio Lower Upper
84 100
49 145.4 114.8 172.2
51 44.0 33.1 49.7
86 63.8 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 144.196 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 496886

Ion Ratio Lower Upper

96 100

61 155.1 115.3 172.9

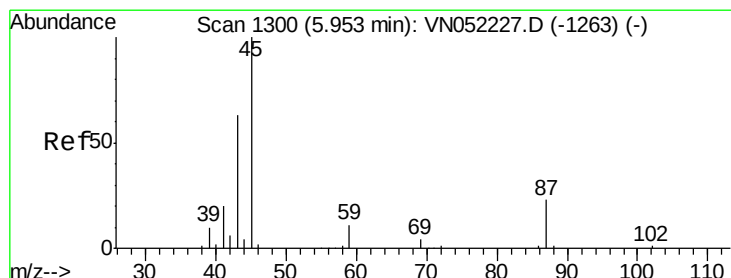
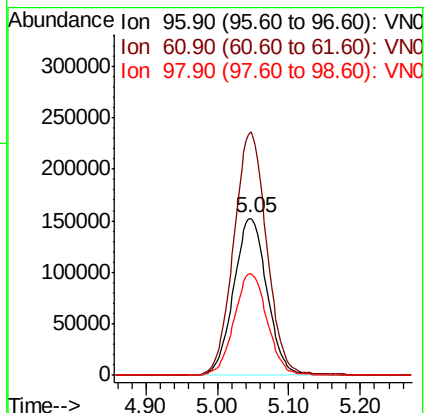
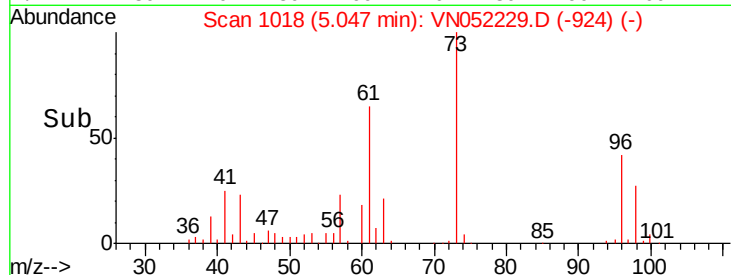
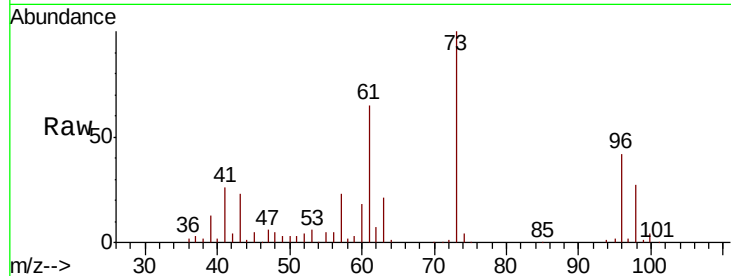
98 64.8 49.5 74.3

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#22

Diisopropyl ether

Concen: 147.094 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion: 45 Resp: 1967020

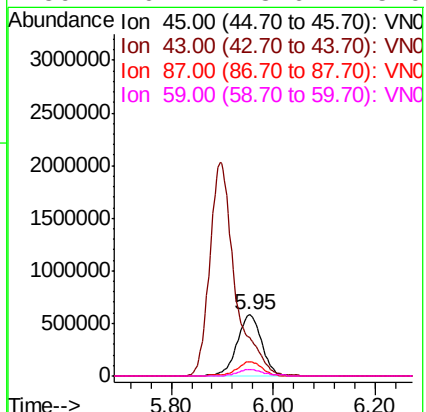
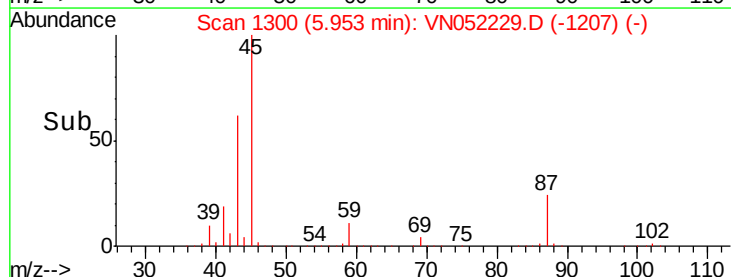
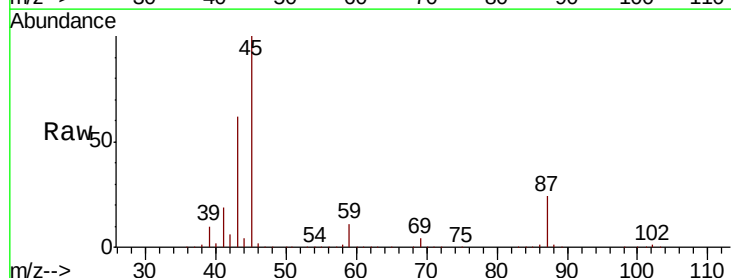
Ion Ratio Lower Upper

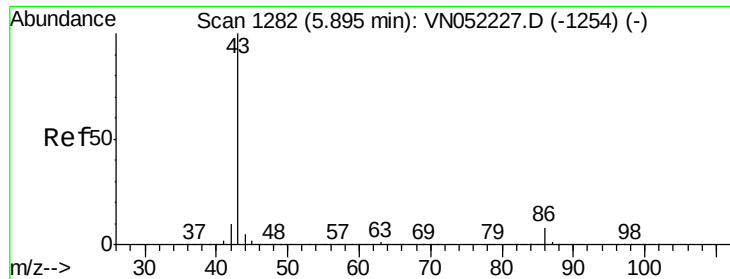
45 100

43 61.7 50.6 76.0

87 24.0 19.0 28.4

59 10.7 8.6 13.0





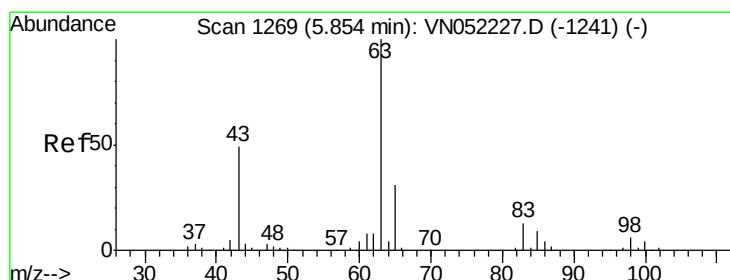
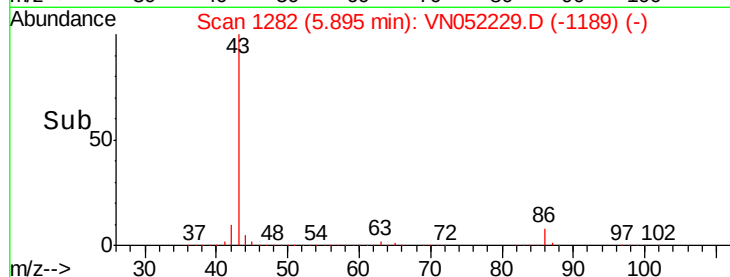
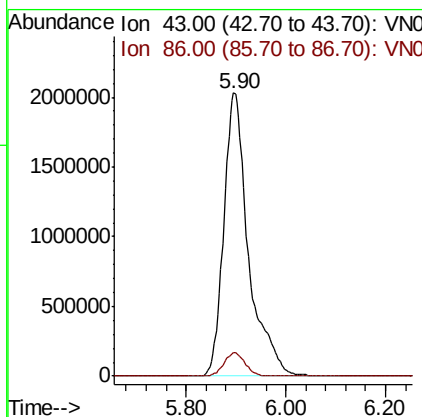
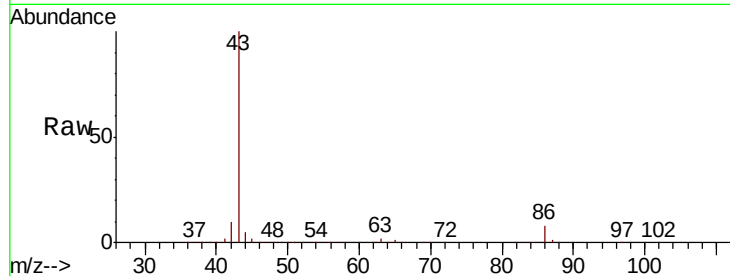
#23
 Vinyl Acetate
 Concen: 767.198 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 7005336
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1

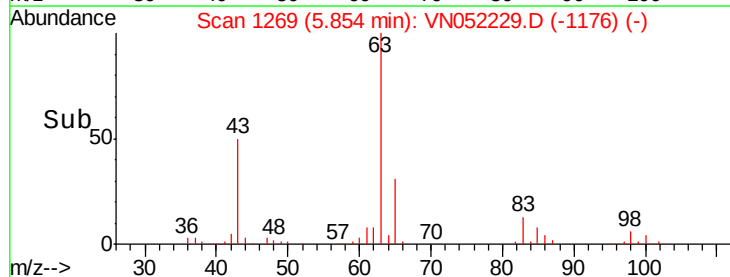
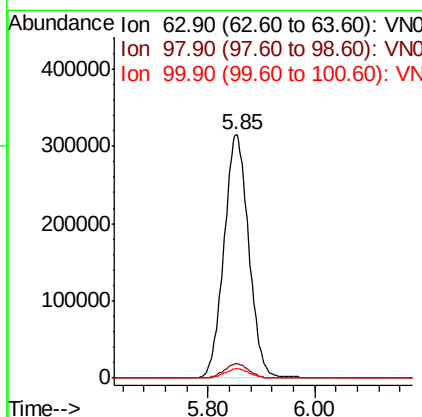
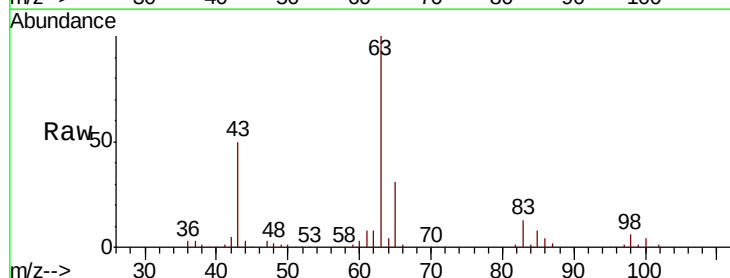
Manual Integrations
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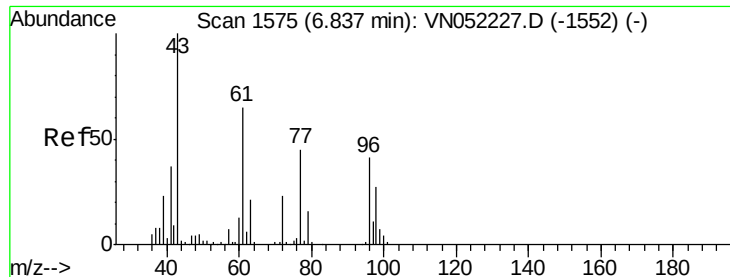
MMDadoda
 11/12/2018 9:18:50 AM



#24
 1,1-Dichloroethane
 Concen: 145.005 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 63 Resp: 1019170
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.8 2.1 6.2





#25

2-Butanone

Concen: 659.249 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1166439

Ion Ratio Lower Upper

43 100

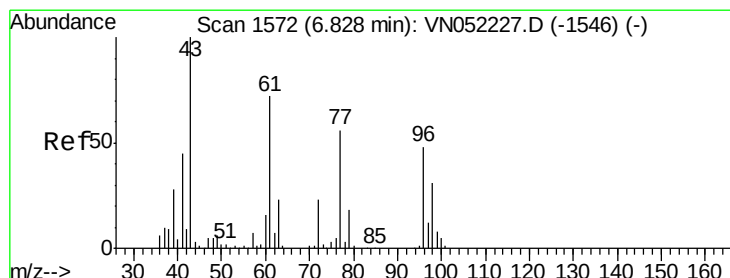
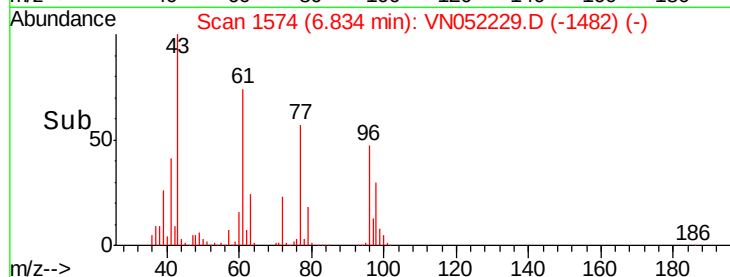
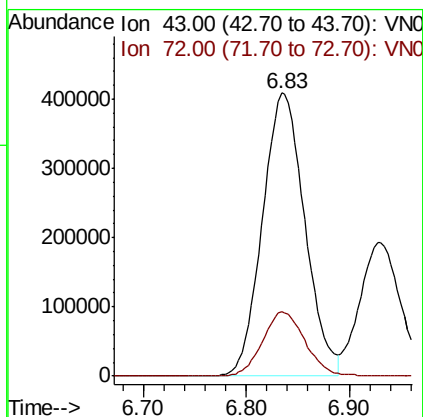
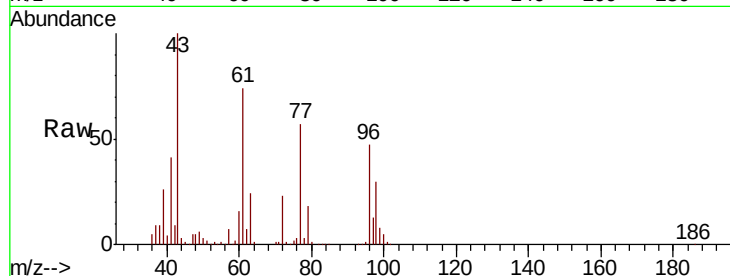
72 22.7 18.6 27.8

Manual Integrations

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11/12/2018 9:18:50 AM



#26

2,2-Dichloropropane

Concen: 149.915 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052229.D

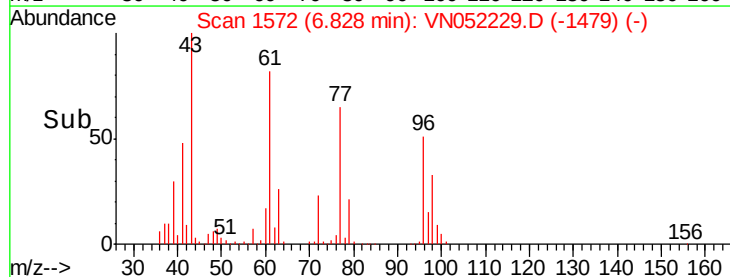
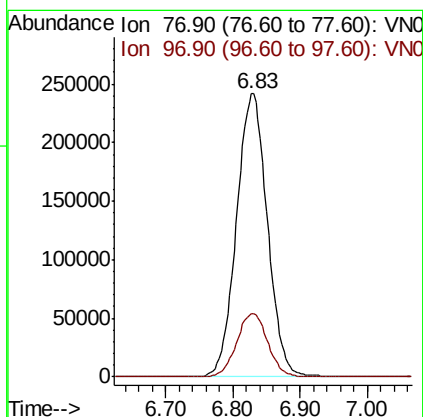
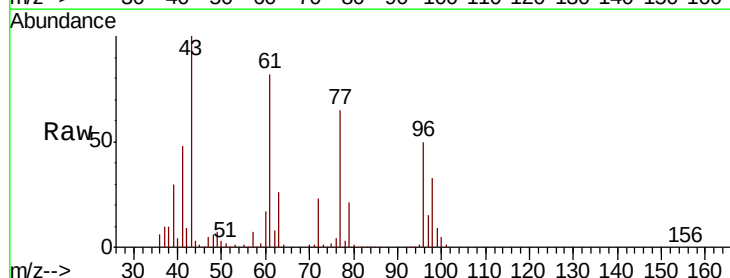
Acq: 9 Nov 2018 15:53

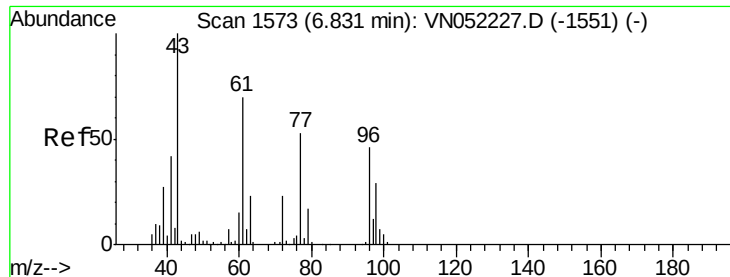
Tgt Ion: 77 Resp: 769596

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5





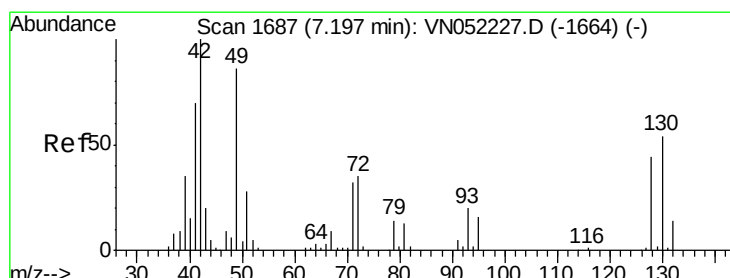
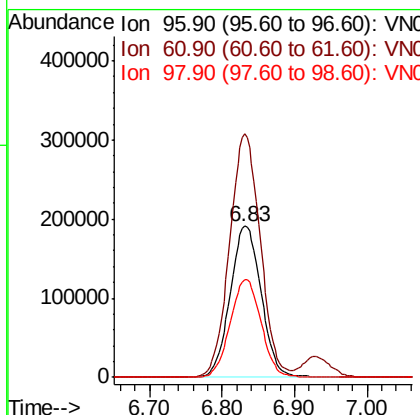
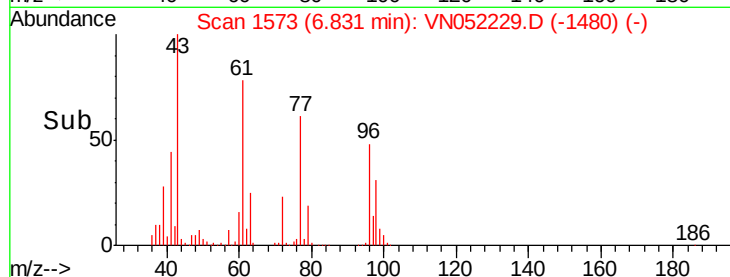
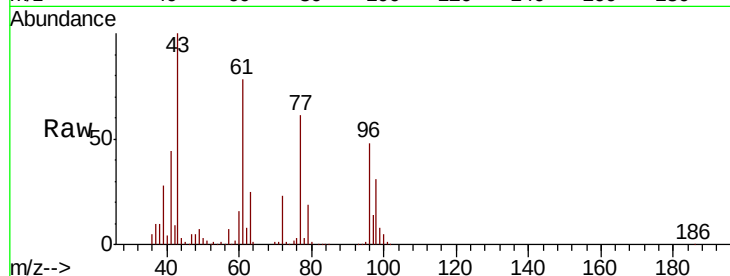
#27
 cis-1,2-Dichloroethene
 Concen: 147.853 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	313.4
98	64.7	0.0	129.8

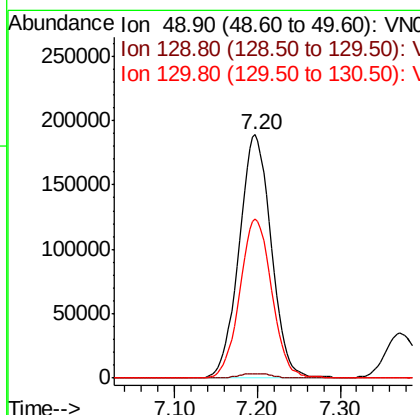
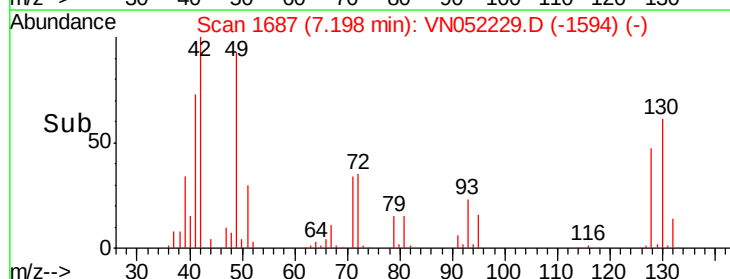
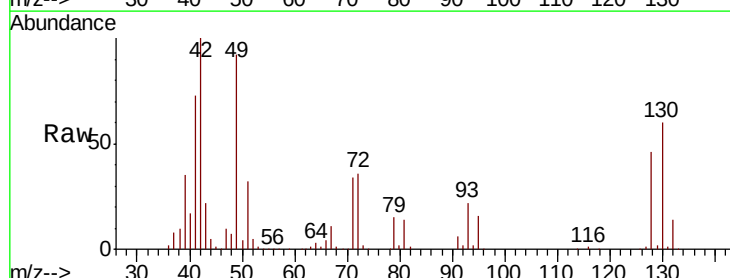
Manual Integrations
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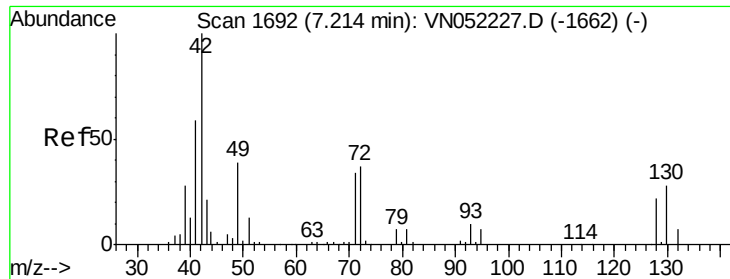
MMDadoda
 11/12/2018 9:18:50 AM



#28
 Bromochloromethane
 Concen: 146.885 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	65.1	51.4	77.2





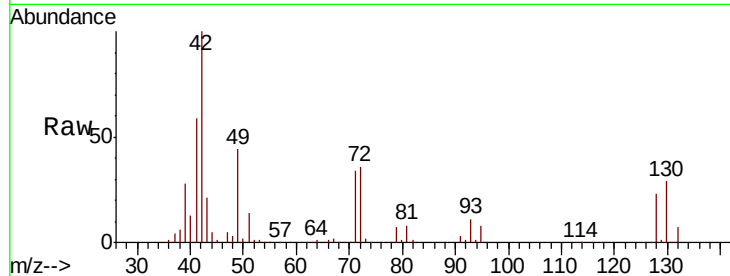
#29
Tetrahydrofuran
Concen: 684.965 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.6	43.0
71	34.0	27.1	40.7

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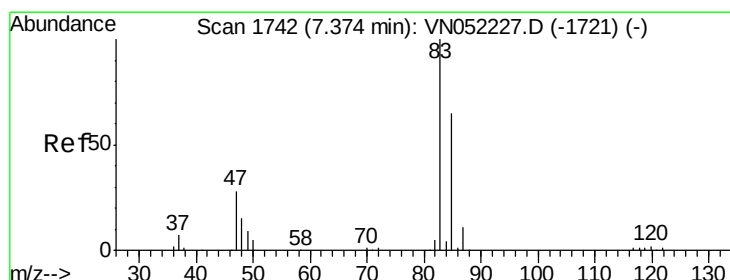
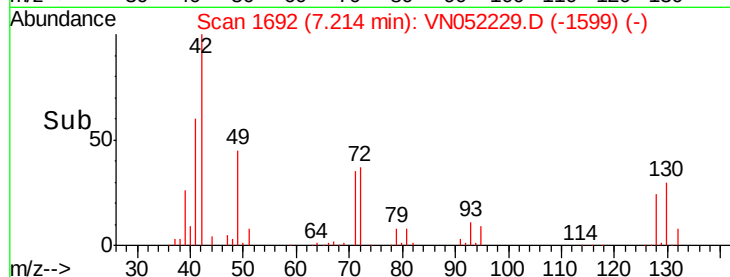
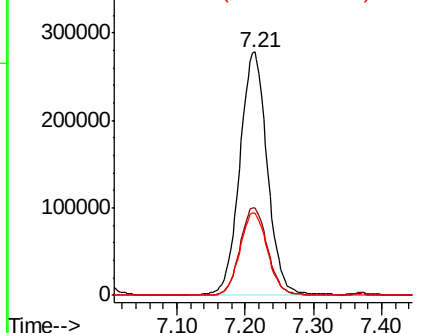


Abundance

Ion 42.00 (41.70 to 42.70): VN052227.D (-1662) (-)

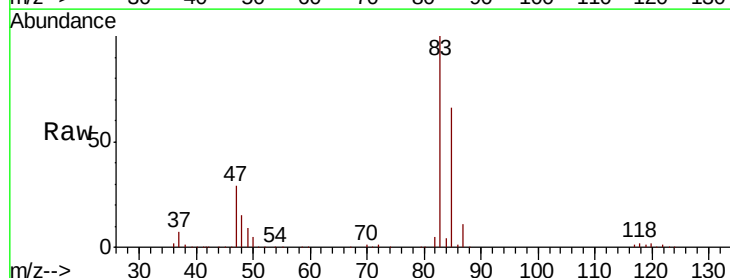
Ion 72.00 (71.70 to 72.70): VN052227.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN052227.D (-1662) (-)



#30
Chloroform
Concen: 145.423 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

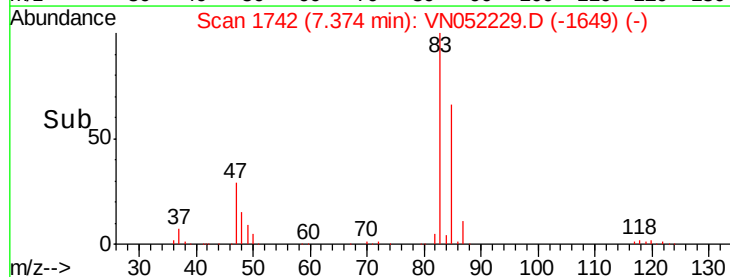
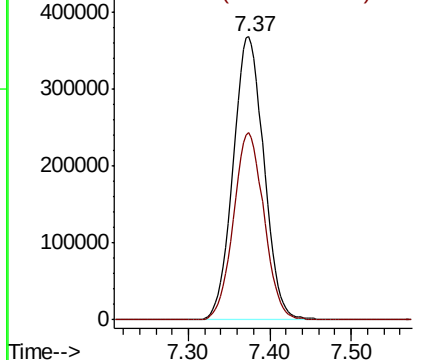
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6

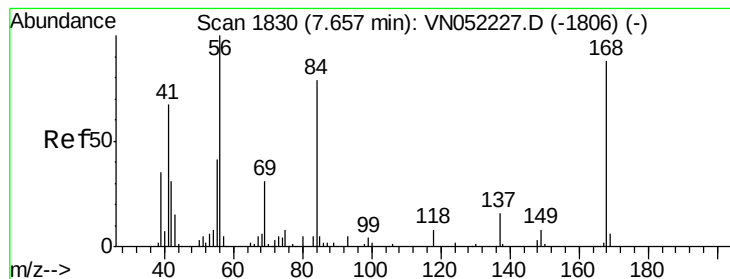


Abundance

Ion 82.90 (82.60 to 83.60): VN052229.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VN052229.D (-1649) (-)





#31

Cyclohexane

Concen: 119.074 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 971387

Ion Ratio Lower Upper

56 100

69 29.2 24.8 37.2

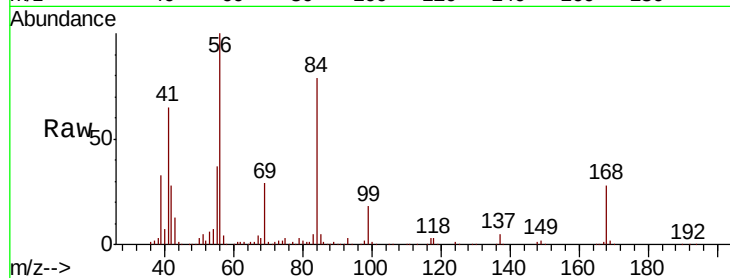
84 77.5 63.1 94.7

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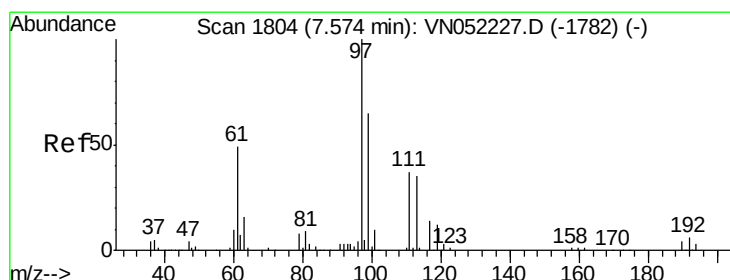
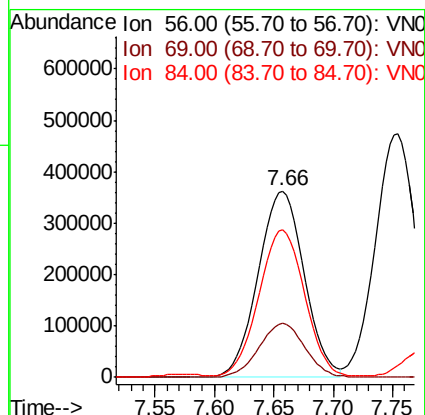
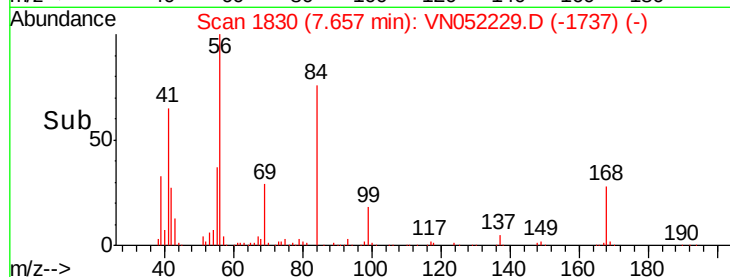


Abundance Ion 56.00 (55.70 to 56.70): VN052229.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052229.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052229.D (-1806) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 153.144 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

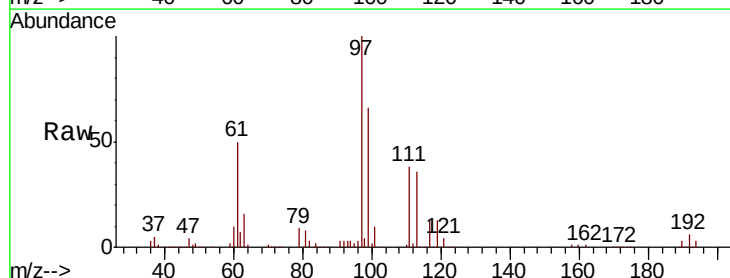
Tgt Ion: 97 Resp: 830328

Ion Ratio Lower Upper

97 100

99 63.6 51.9 77.9

61 49.7 40.2 60.4

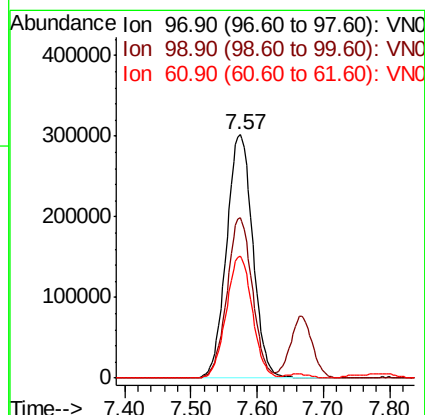
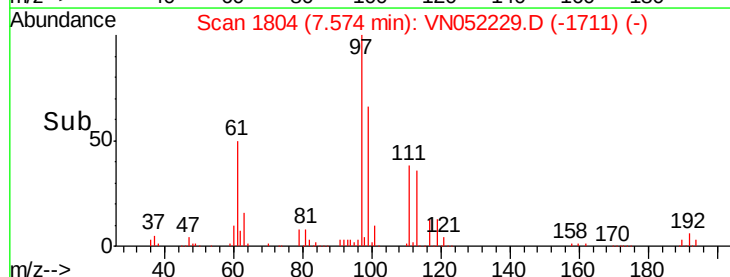


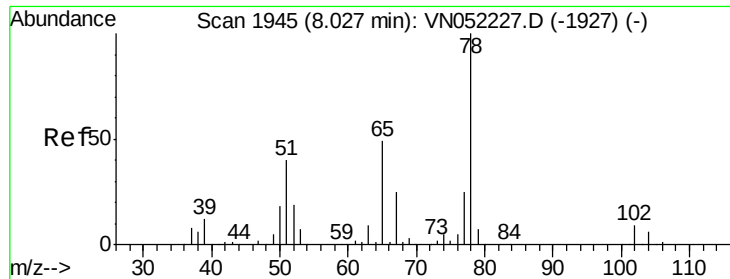
Abundance Ion 96.90 (96.60 to 97.60): VN052229.D (-1782) (-)

Ion 98.90 (98.60 to 99.60): VN052229.D (-1782) (-)

Ion 60.90 (60.60 to 61.60): VN052229.D (-1782) (-)

Time-->





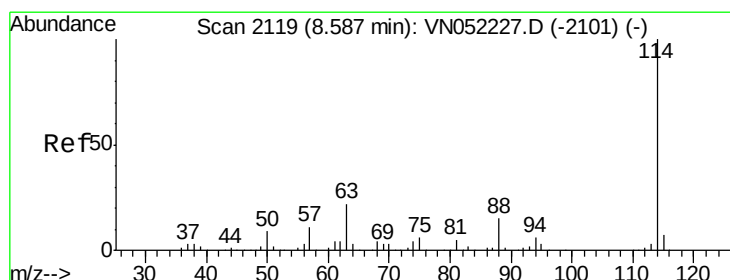
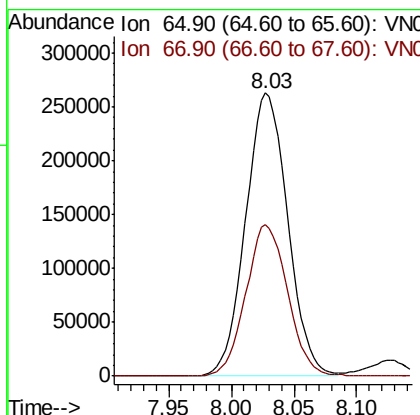
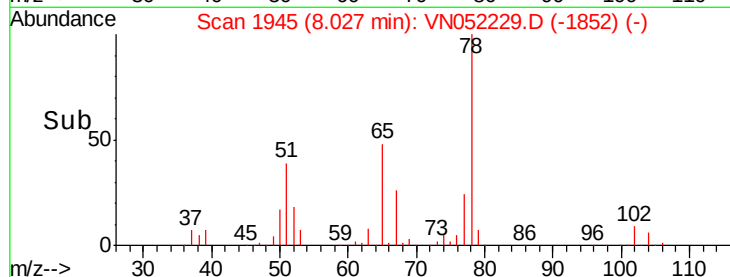
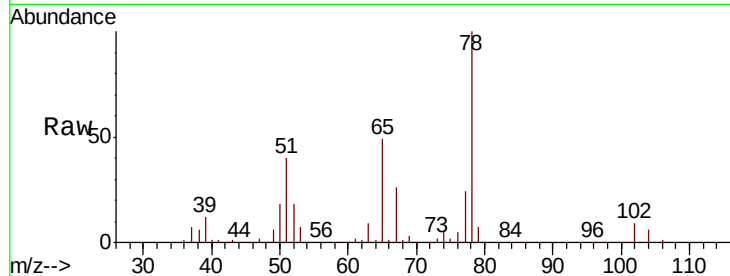
#33
 1,2-Dichloroethane-d4
 Concen: 153.144 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	106.6	

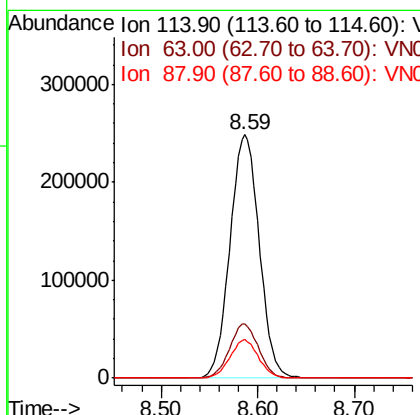
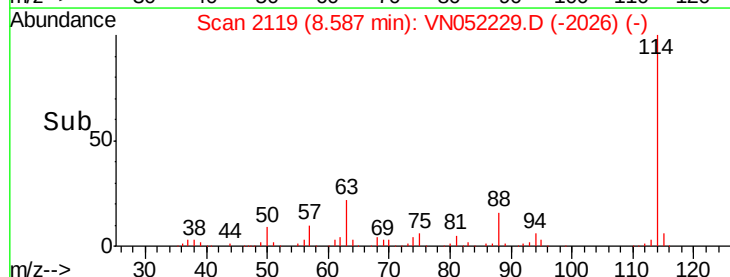
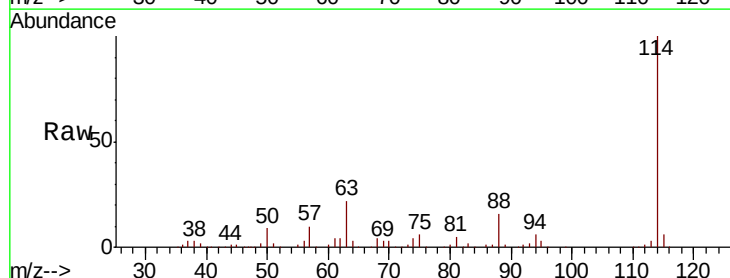
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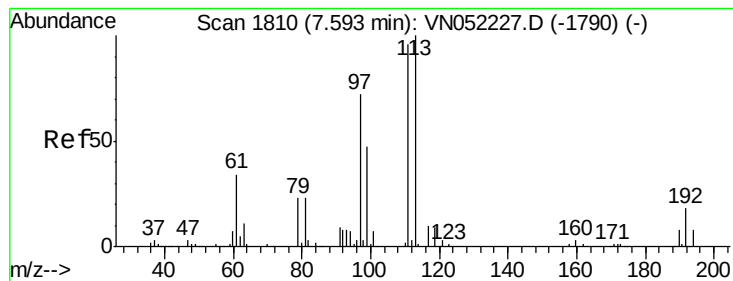
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.4	
88	15.7	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

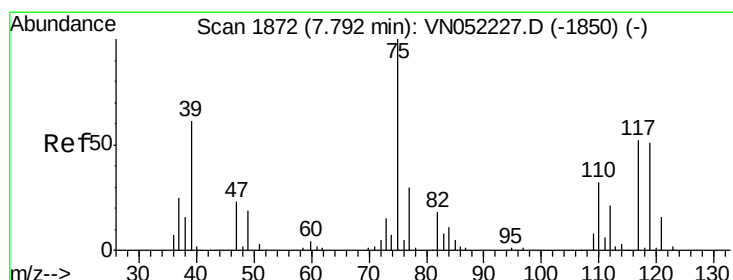
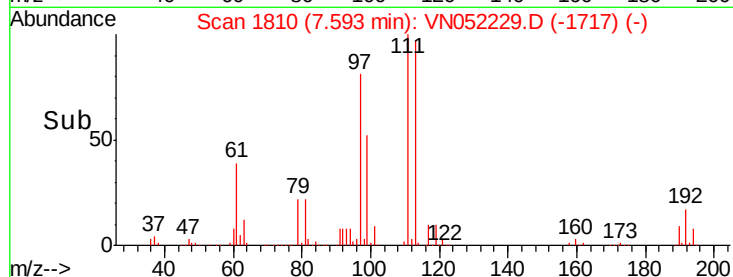
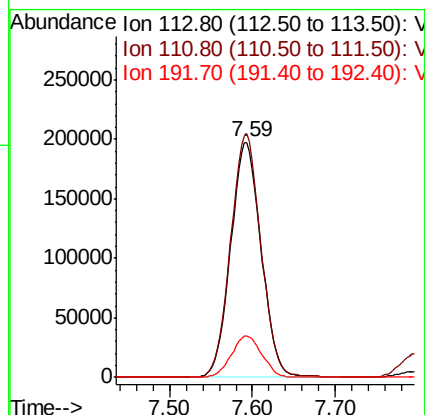
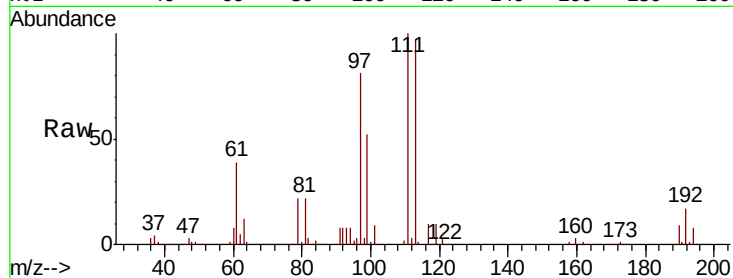
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	504570
Ion Ratio	Lower	Upper	
113	100		
111	103.2	80.2	120.4
192	17.7	14.1	21.1

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#36

1,1-Dichloropropene

Concen: 147.770 ug/l

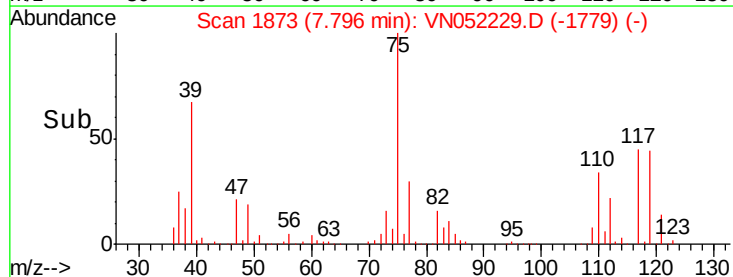
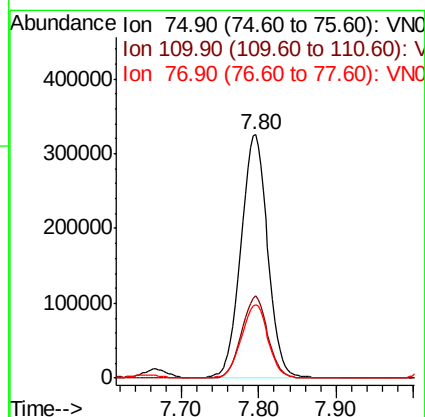
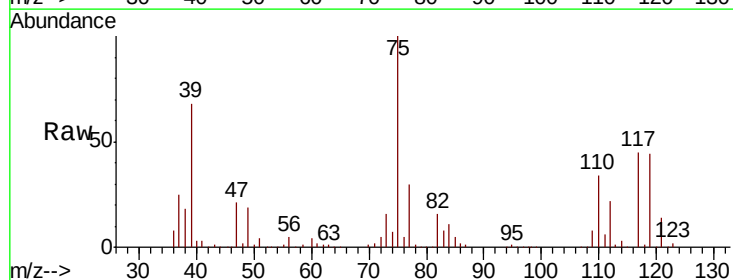
RT: 7.80 min Scan# 1873

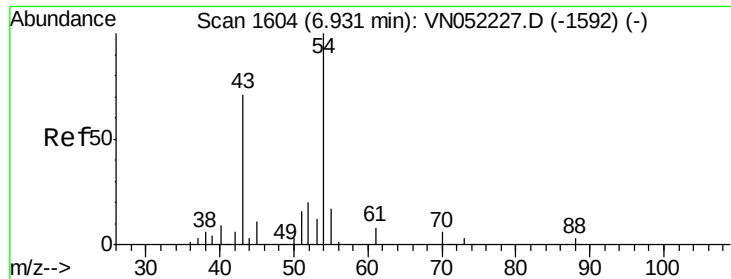
Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion:	75	Resp:	778106
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.4
77	30.2	23.9	35.9





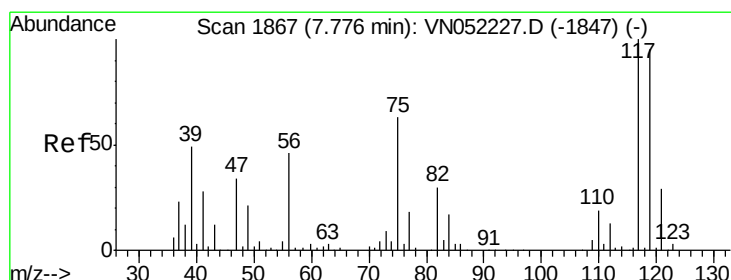
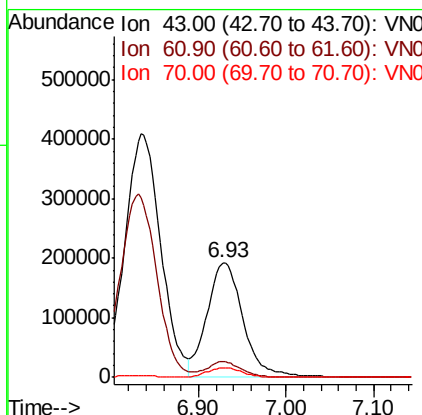
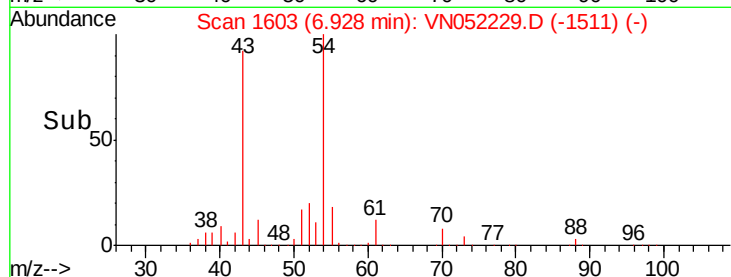
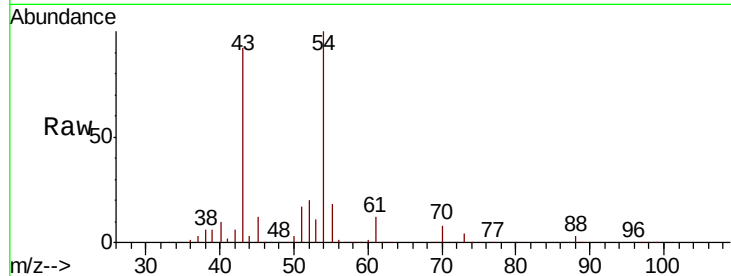
#37
Ethyl Acetate
Concen: 140.505 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.0	15.0
70	8.2	6.9	10.3

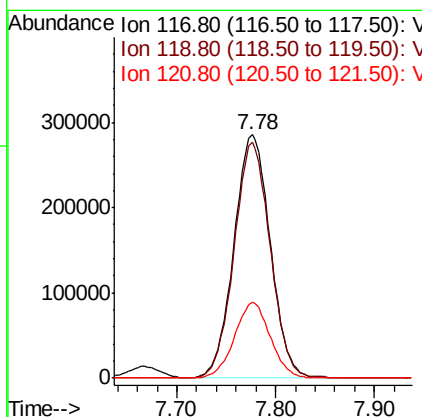
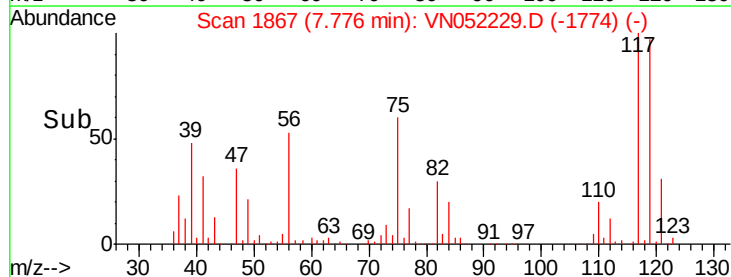
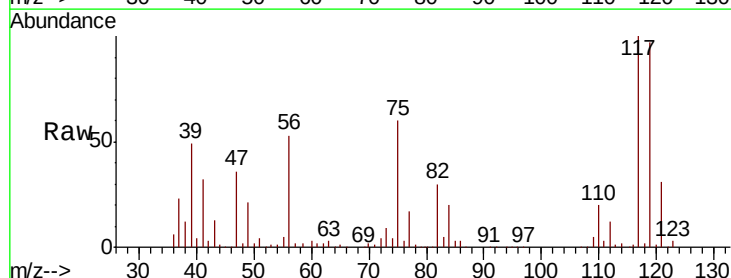
Manual Integrations
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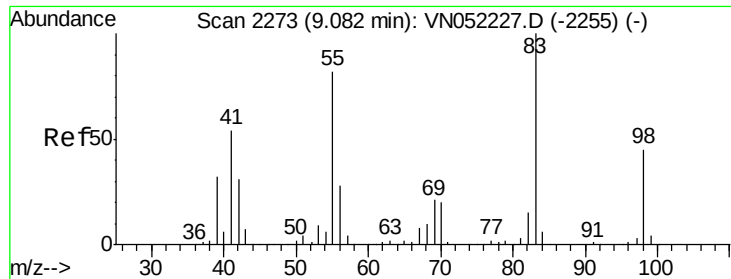
MMDadoda
11/12/2018 9:18:50 AM



#38
Carbon Tetrachloride
Concen: 152.372 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.8
121	31.3	23.4	35.2





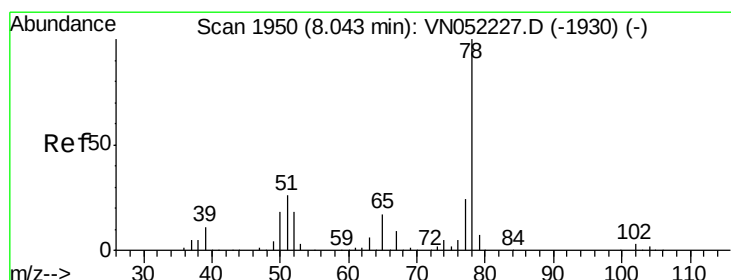
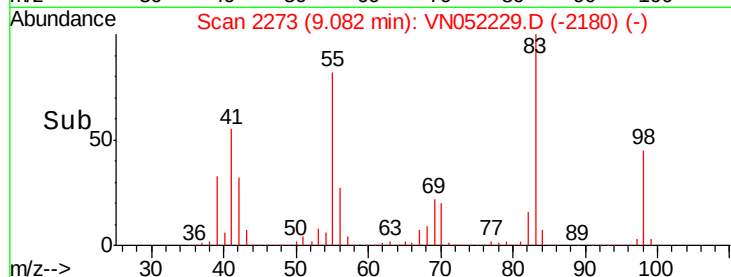
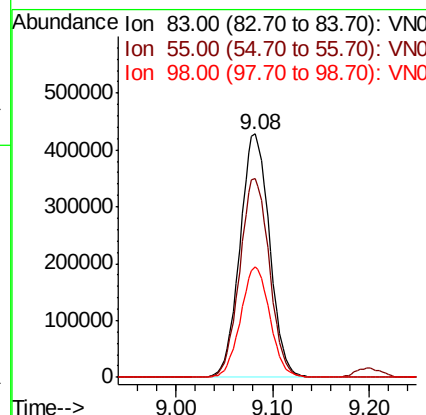
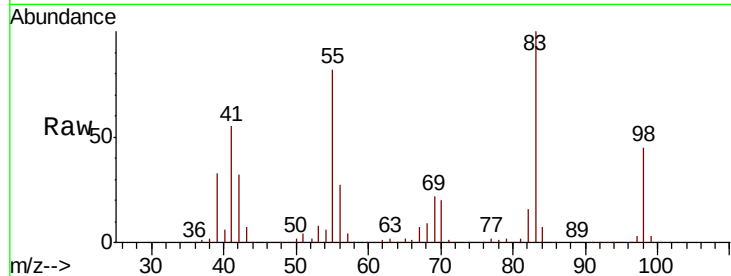
#39
Methylvlcyclohexane
Concen: 151.517 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	65.2	97.8
98	45.5	36.3	54.5

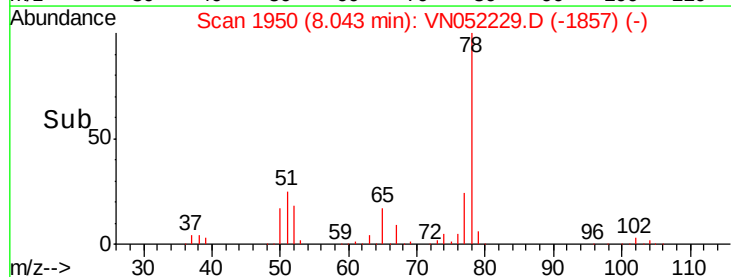
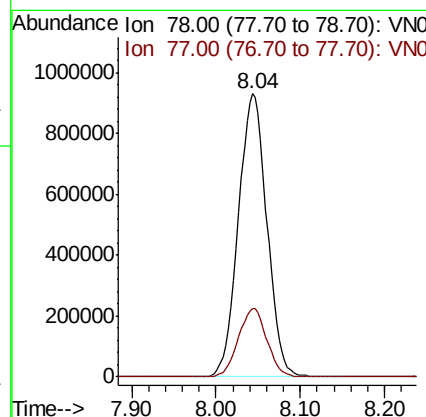
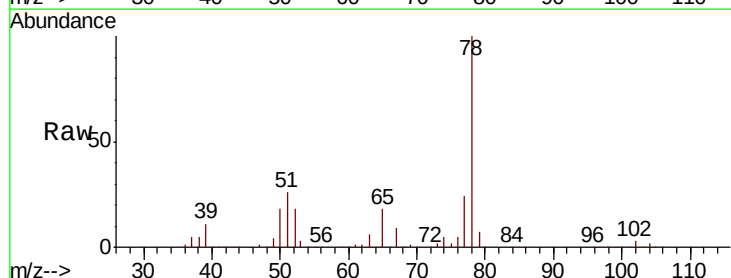
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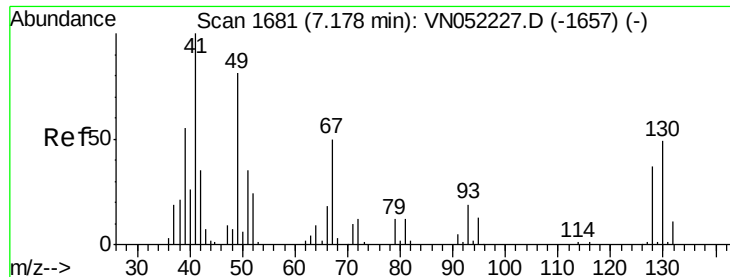
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#40
Benzene
Concen: 145.600 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





#41

Methacrylonitrile

Concen: 150.238 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 307920
Ion Ratio Lower Upper

41 100

39 0.0 47.8 71.6#

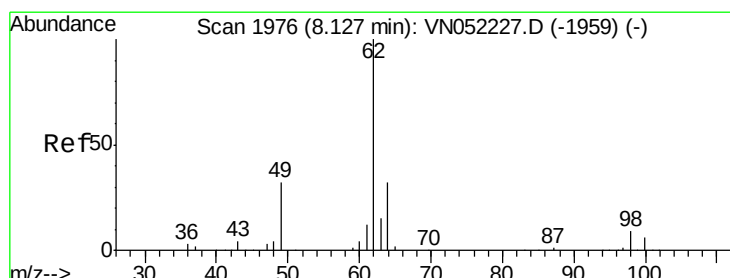
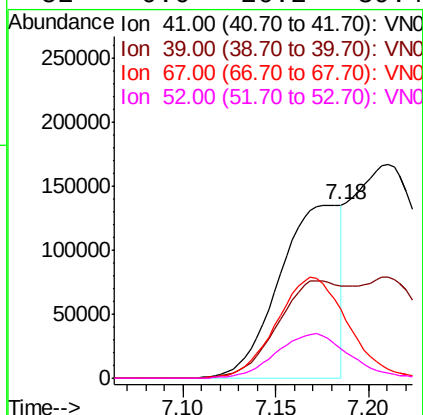
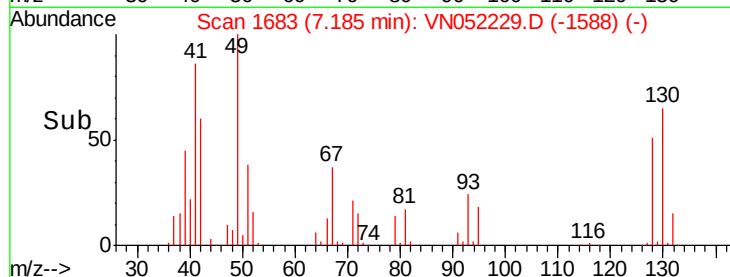
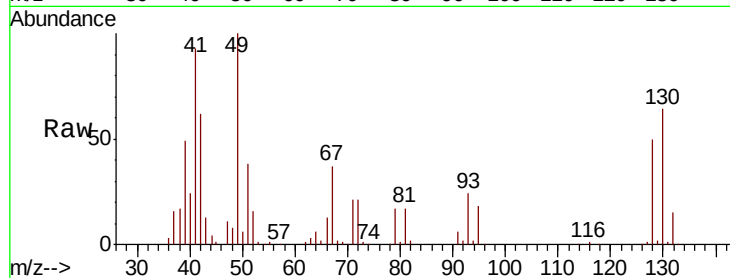
67 0.0 54.3 81.5#

52 0.0 26.2 39.4#

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#42

1,2-Dichloroethane

Concen: 142.404 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

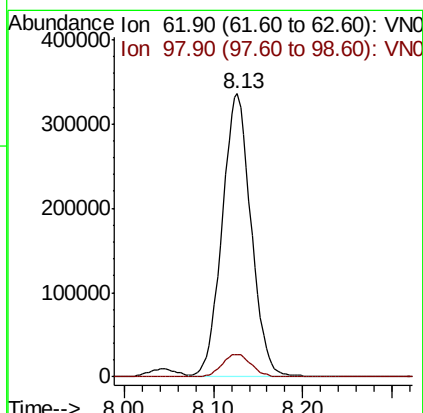
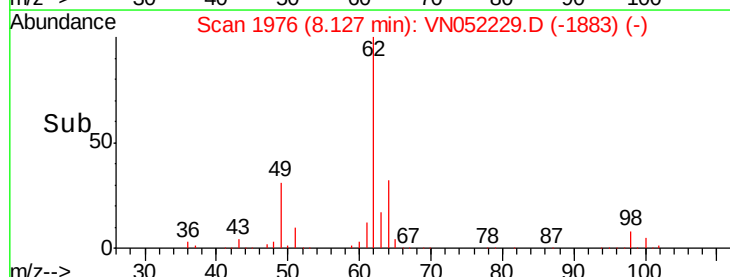
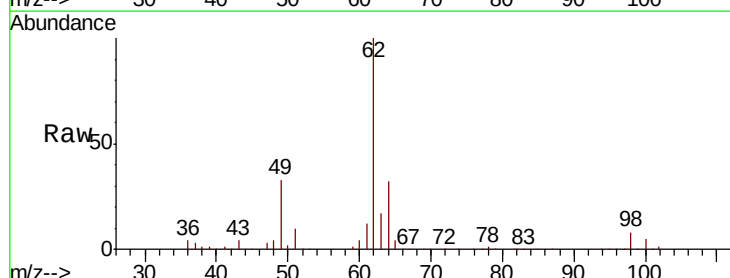
Lab File: VN052229.D

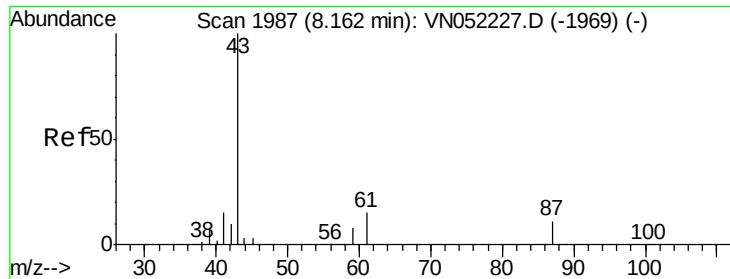
Acq: 9 Nov 2018 15:53

Tgt Ion: 62 Resp: 753265
Ion Ratio Lower Upper

62 100

98 8.1 0.0 16.4





#43

Isopropyl Acetate

Concen: 148.111 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1022457

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

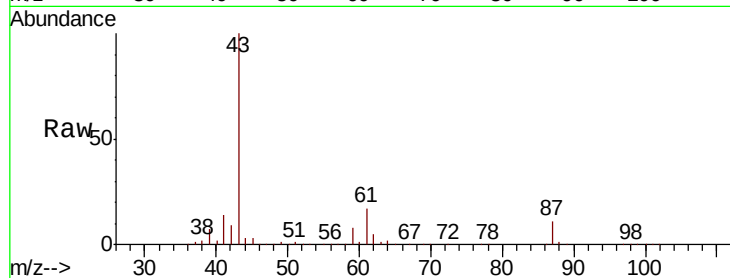
87 10.6 8.4 12.6

Manual Integrations

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MMDadoda

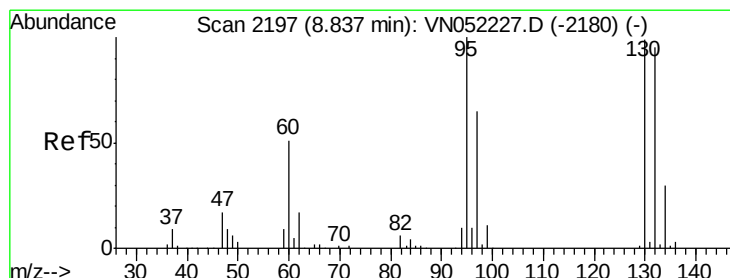
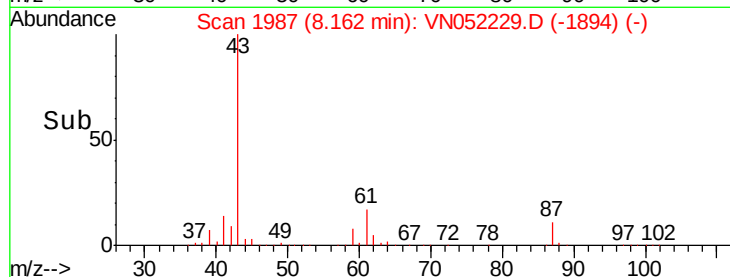
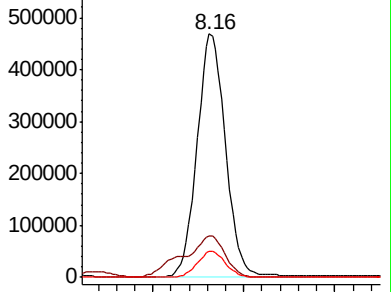
11/12/2018 9:18:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#44

Trichloroethene

Concen: 146.643 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052229.D

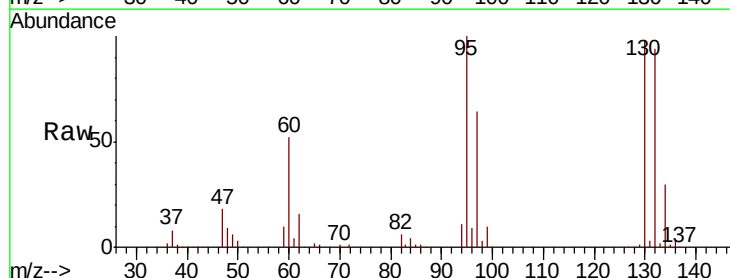
Acq: 9 Nov 2018 15:53

Tgt Ion:130 Resp: 554006

Ion Ratio Lower Upper

130 100

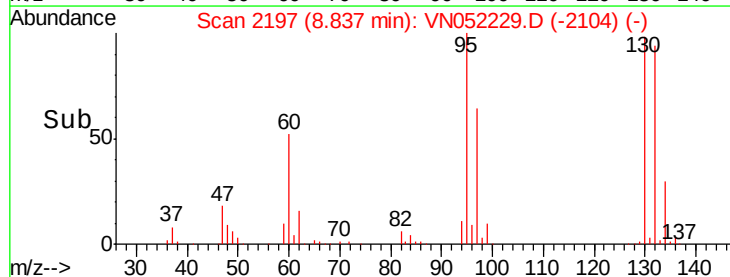
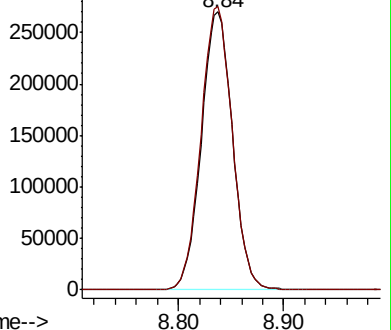
95 101.9 0.0 201.6

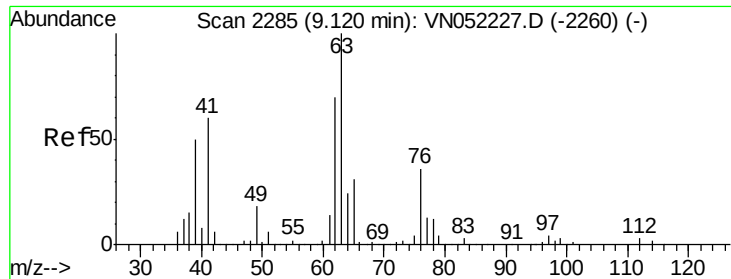


Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052227.D (-2180) (-)

Ion 137.00 (136.70 to 137.70): VN052227.D (-2180) (-)





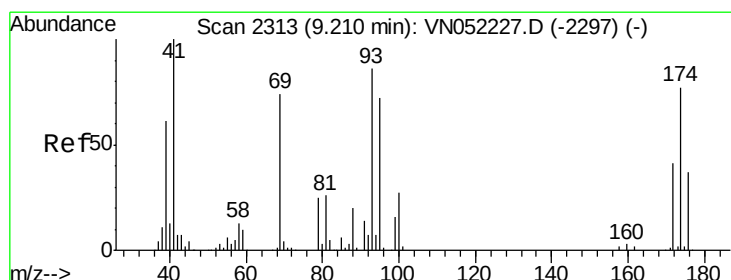
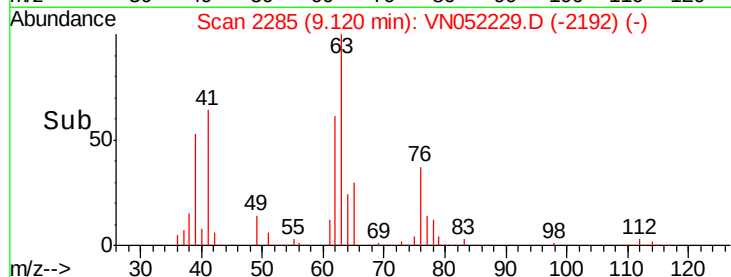
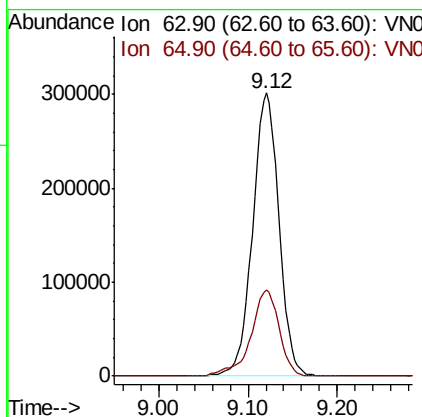
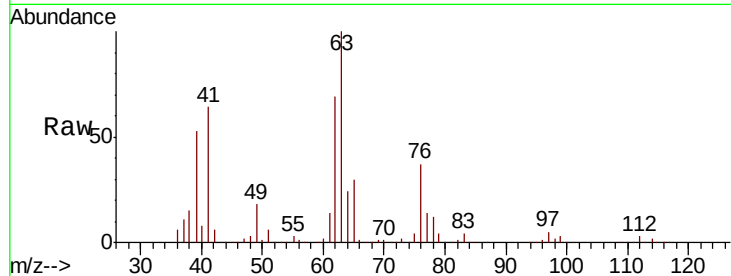
#45
 1,2-Dichloropropane
 Concen: 146.454 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 616840
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.8 37.2

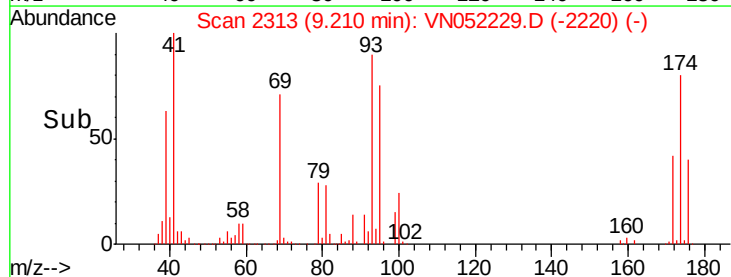
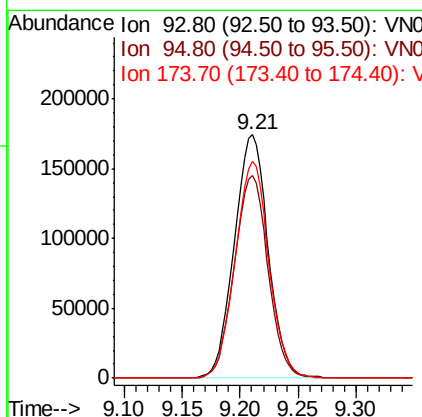
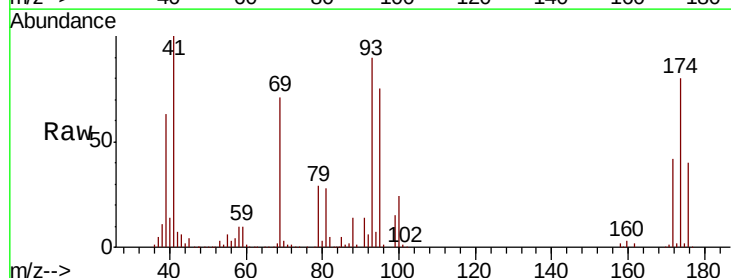
Manual Integrations
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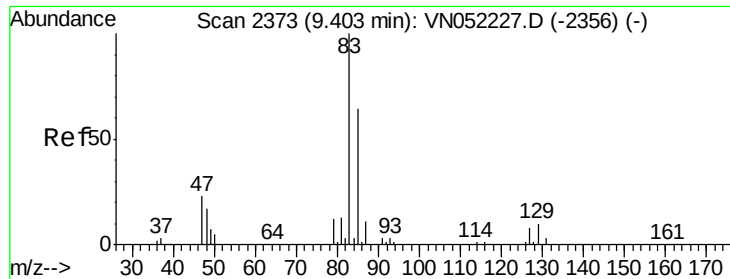
MMDadoda
 11/12/2018 9:18:50 AM



#46
 Dibromomethane
 Concen: 145.985 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 93 Resp: 353180
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.0 100.4
 174 88.7 72.1 108.1





#47

Bromodichloromethane

Concen: 151.154 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

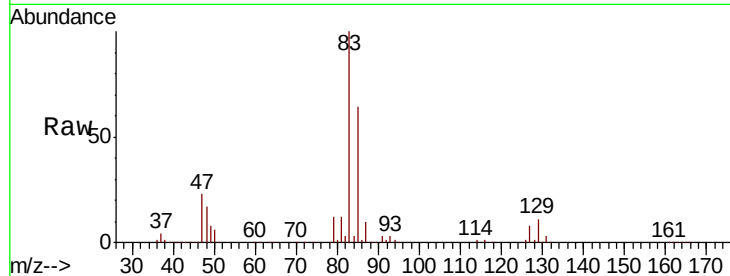
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	757651
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.2	76.8
127	8.4	6.2	9.4

Manual Integrations
APPROVED

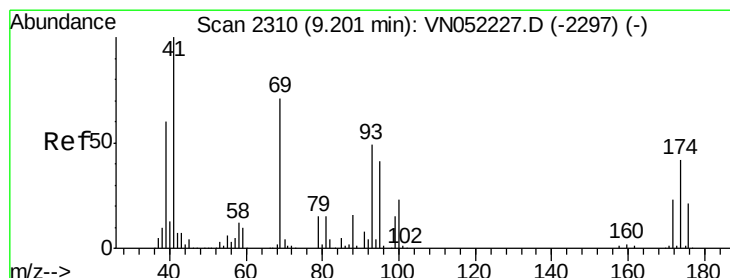
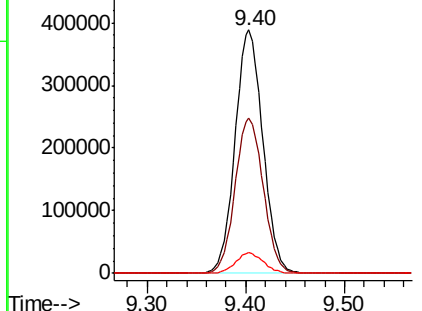
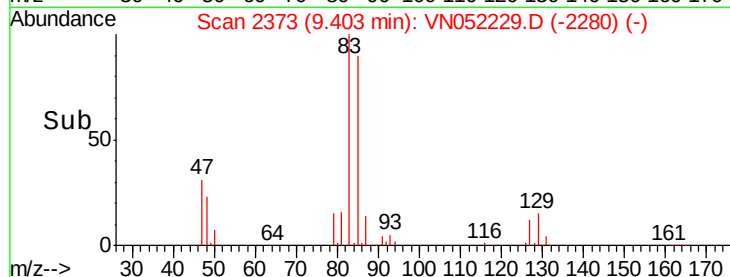
MMDadoda
11/12/2018 9:18:50 AM



Abundance Ion 82.90 (82.60 to 83.60): VN052229.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052229.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052229.D (-2280) (-)



#48

Methyl methacrylate

Concen: 143.662 ug/l

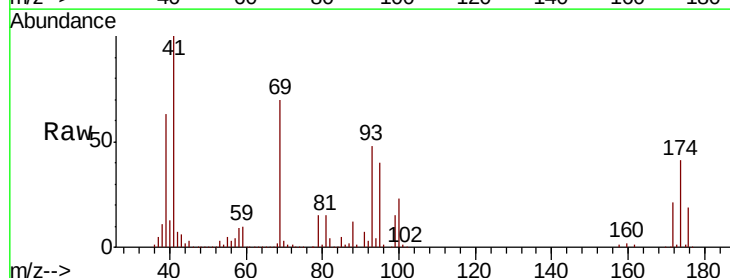
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

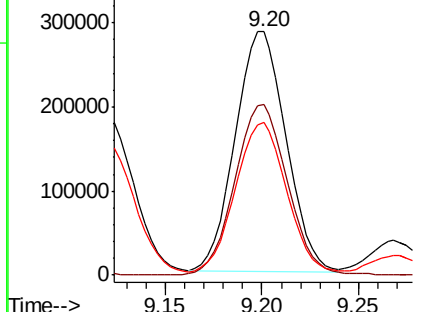
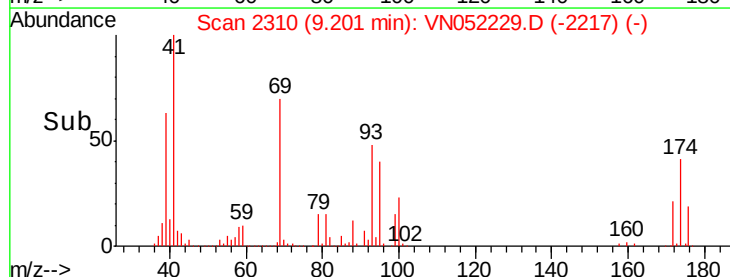
Tgt Ion:	41	Resp:	522545
Ion Ratio	Lower	Upper	
41	100		
69	73.5	58.8	88.2
39	65.0	50.7	76.1

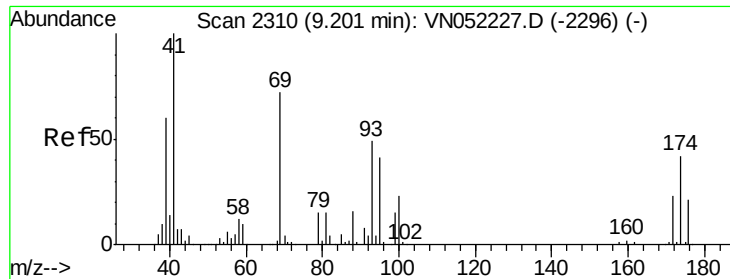


Abundance Ion 41.00 (40.70 to 41.70): VN052229.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052229.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052229.D (-2217) (-)





#49

1,4-Dioxane

Concen: 2464.178 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 72052

Ion Ratio Lower Upper

88 100

43 44.6 32.5 48.7

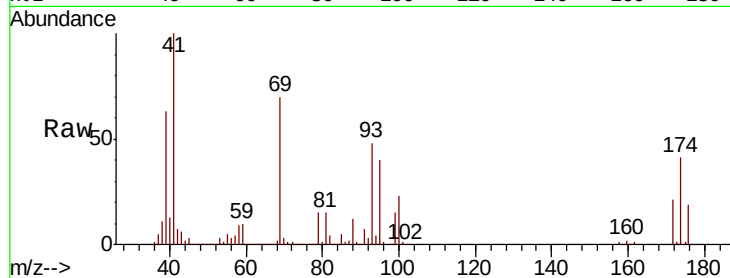
58 74.6 58.2 87.4

Manual Integrations

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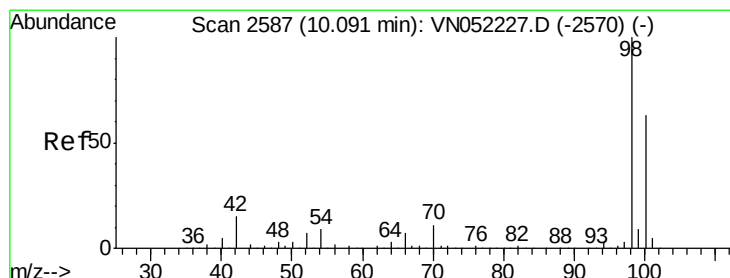
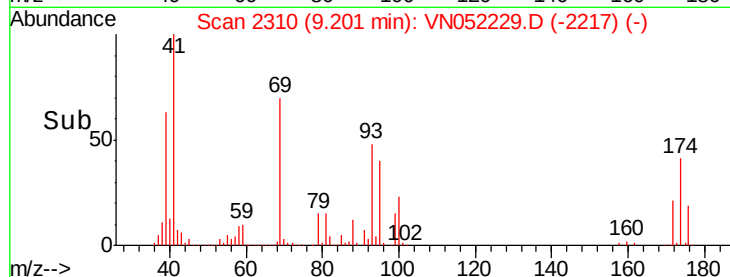
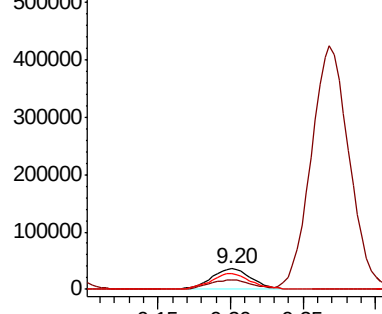
11/12/2018 9:18:50 AM



Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)



#50

Toluene-d8

Concen: 2464.178 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052229.D

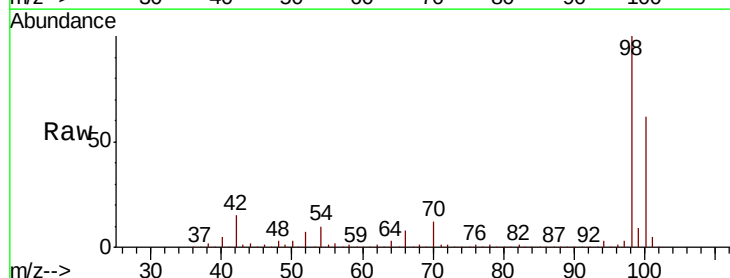
Acq: 9 Nov 2018 15:53

Tgt Ion: 98 Resp: 1996875

Ion Ratio Lower Upper

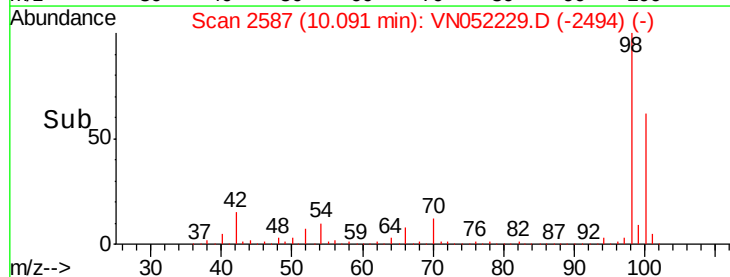
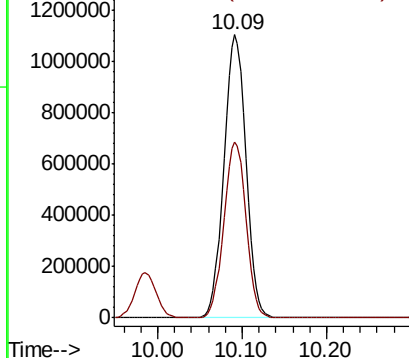
98 100

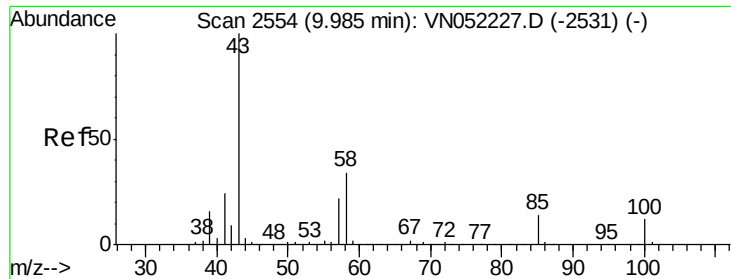
100 62.4 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 704.585 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2686134

Ion Ratio Lower Upper

43 100

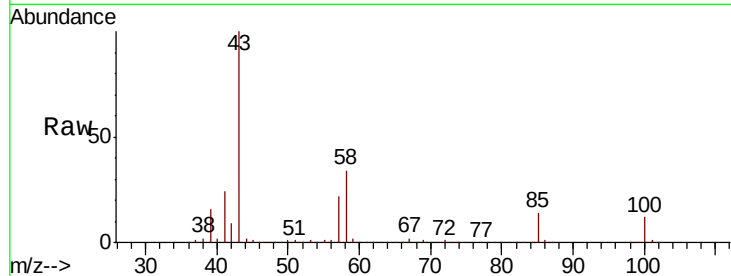
58 34.4 27.4 41.0

Manual Integrations

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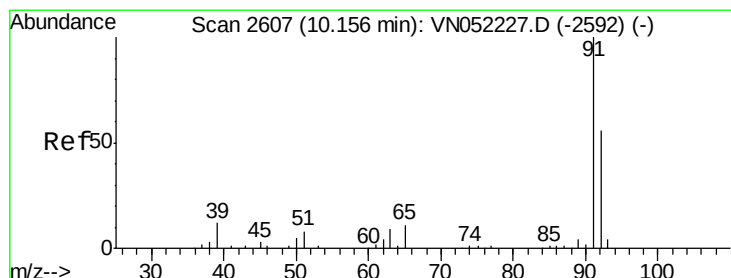
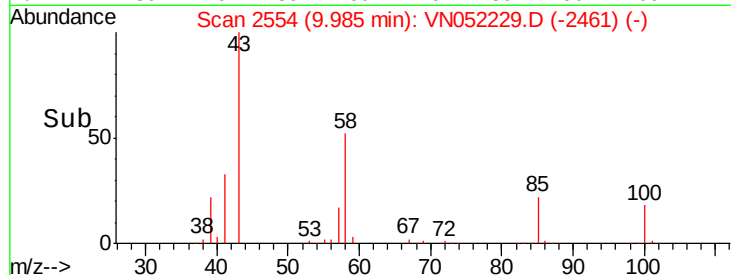
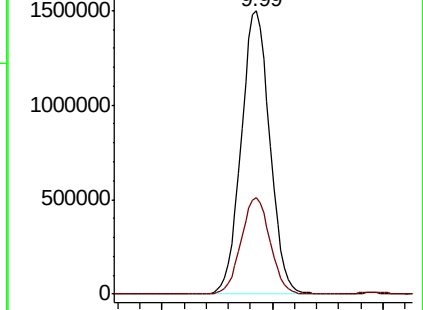
MMDadoda

11/12/2018 9:18:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2531) (-)



#52

Toluene

Concen: 149.324 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052229.D

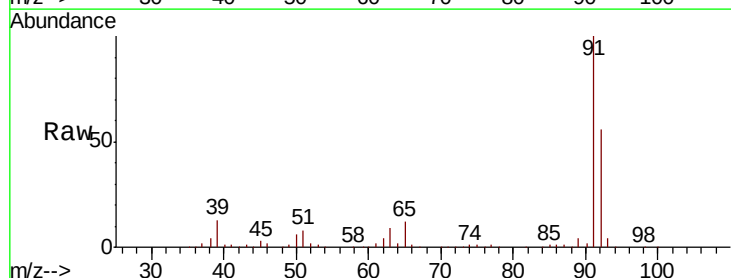
Acq: 9 Nov 2018 15:53

Tgt Ion: 92 Resp: 1358010

Ion Ratio Lower Upper

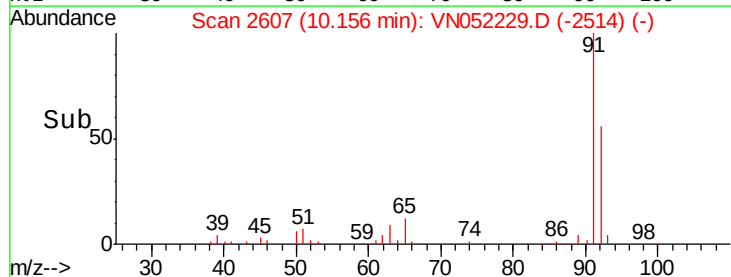
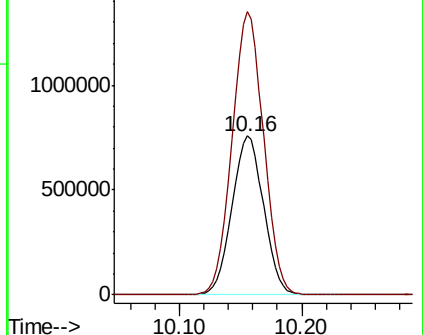
92 100

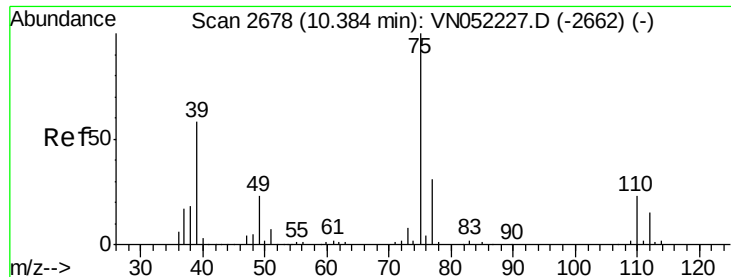
91 177.8 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052227.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052227.D (-2592) (-)





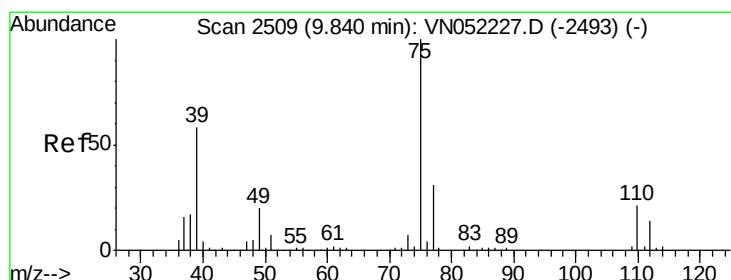
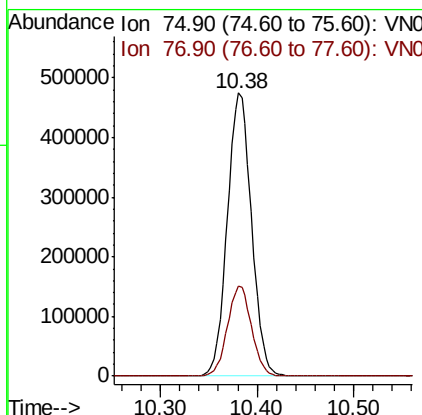
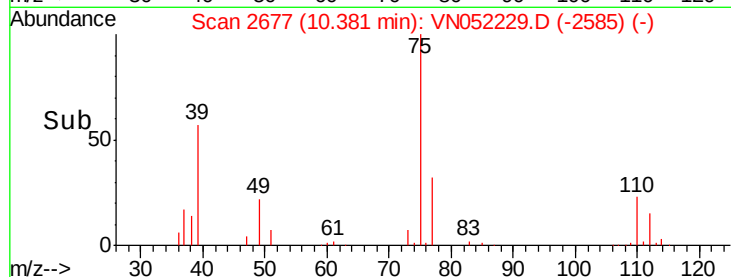
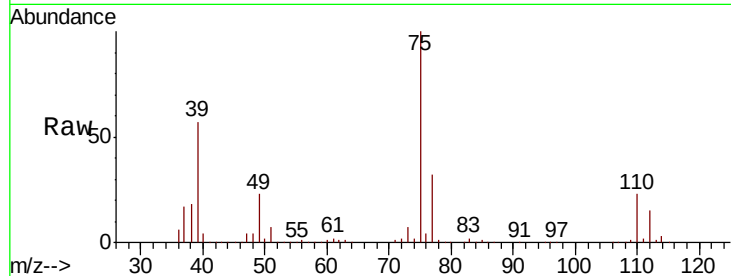
#53
t-1,3-Dichloropropene
Concen: 166.770 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 824907
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8

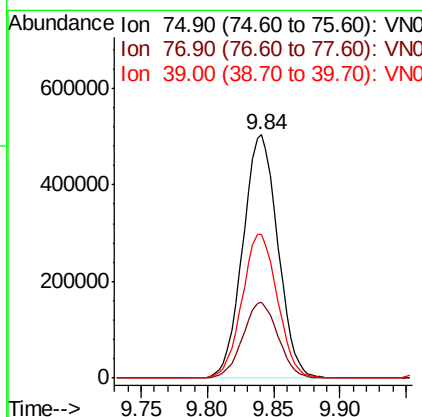
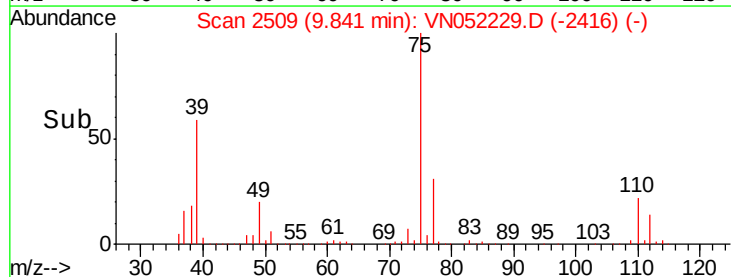
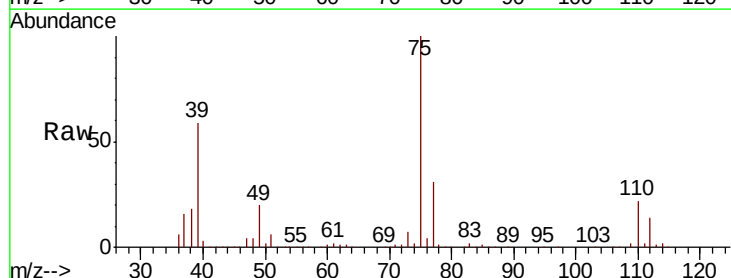
Manual Integrations
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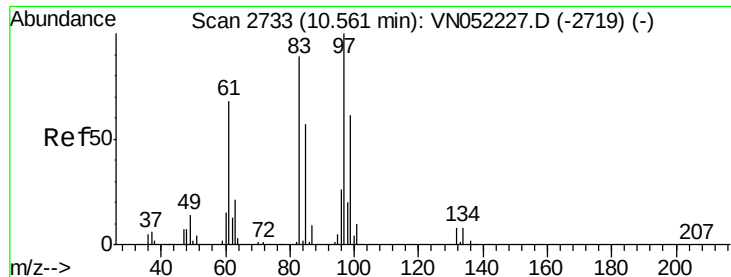
MMDadoda
11/12/2018 9:18:50 AM



#54
cis-1,3-Dichloropropene
Concen: 158.346 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 75 Resp: 924590
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 59.0 46.6 70.0





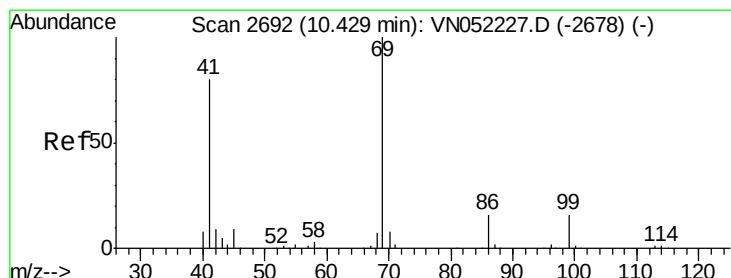
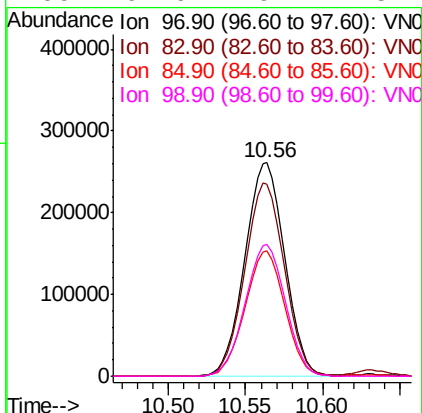
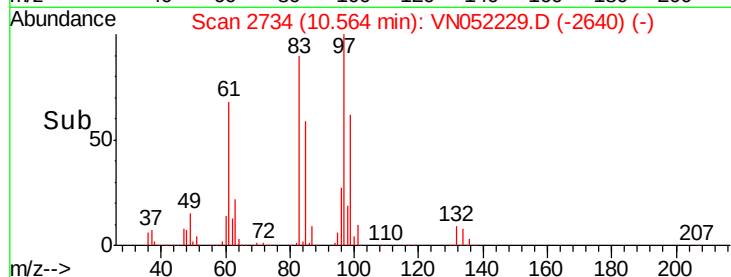
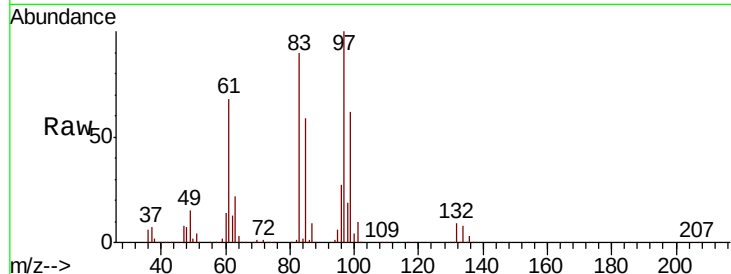
#55
 1,1,2-Trichloroethane
 Concen: 142.929 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	469825
Ion Ratio	Lower	Upper	
97	100		
83	90.1	71.2	106.8
85	58.5	45.6	68.4
99	61.9	49.1	73.7

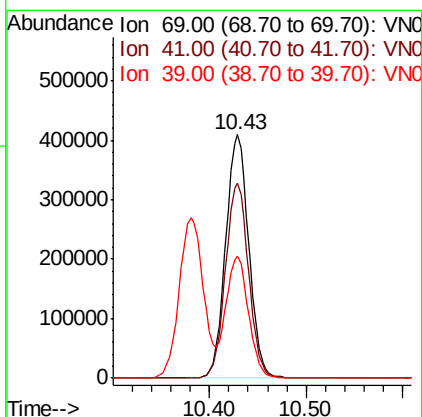
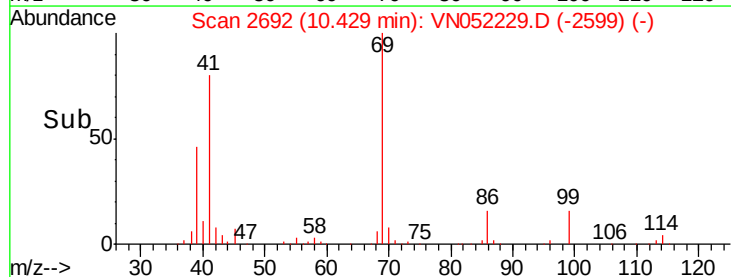
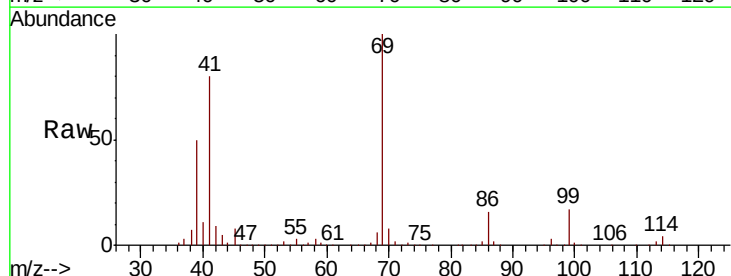
Manual Integrations
 APPROVED

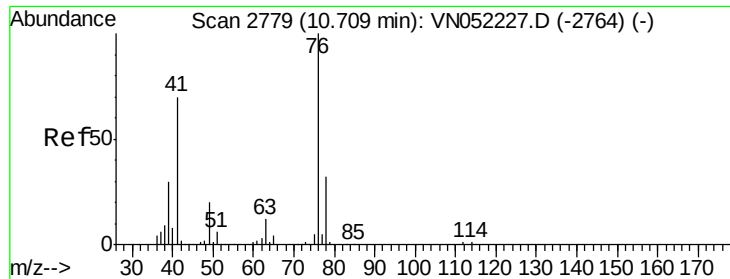
MMDadoda
 11/12/2018 9:18:50 AM



#56
 Ethyl methacrylate
 Concen: 152.641 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion:	69	Resp:	678120
Ion Ratio	Lower	Upper	
69	100		
41	79.5	64.0	96.0
39	48.8	37.8	56.8





#57

1,3-Dichloropropane

Concen: 145.752 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 857655

Ion Ratio Lower Upper

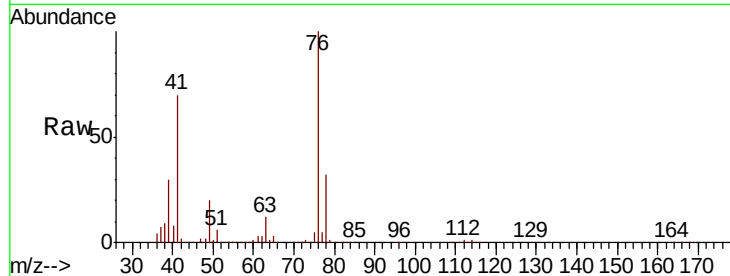
76 100

78 31.8 25.7 38.5

Manual Integrations
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MMDadoda

11/12/2018 9:18:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

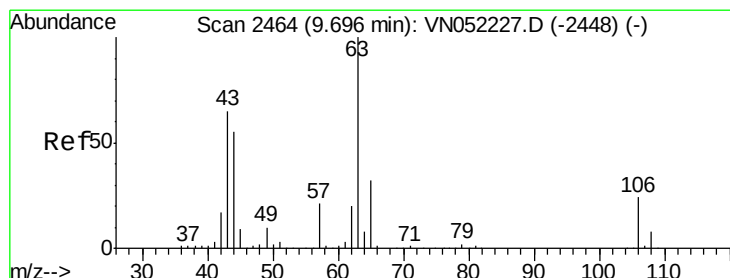
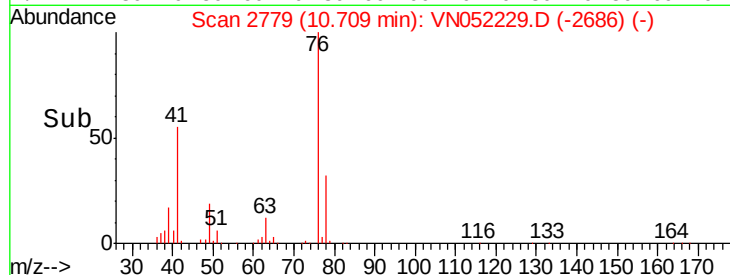
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 763.177 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052229.D

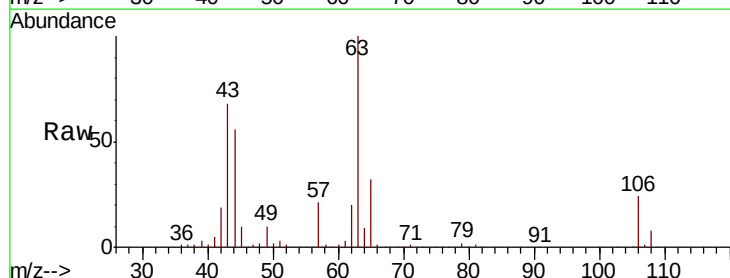
Acq: 9 Nov 2018 15:53

Tgt Ion: 63 Resp: 1877360

Ion Ratio Lower Upper

63 100

106 24.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

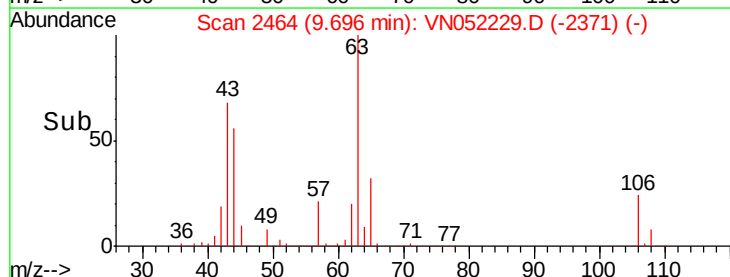
600000

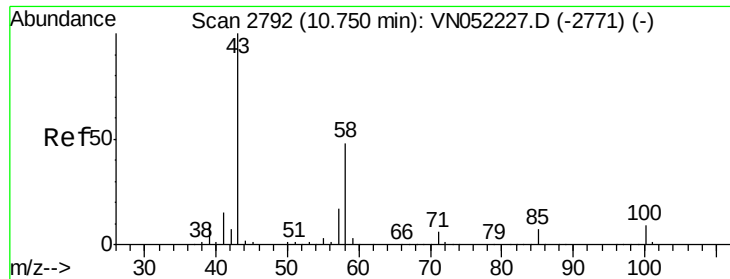
400000

200000

0

Time-->





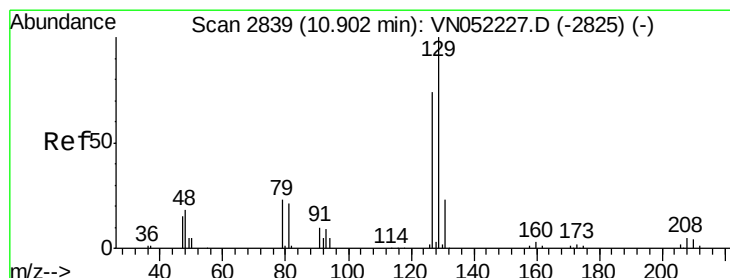
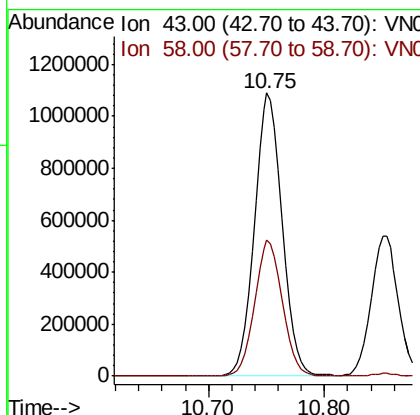
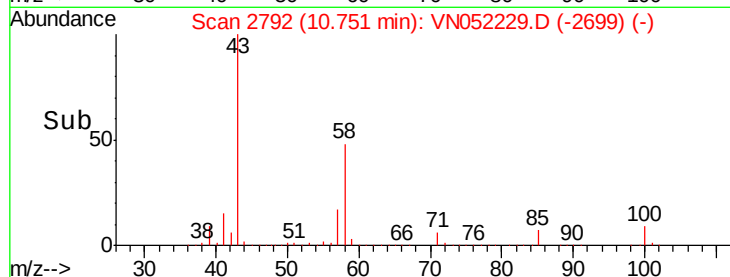
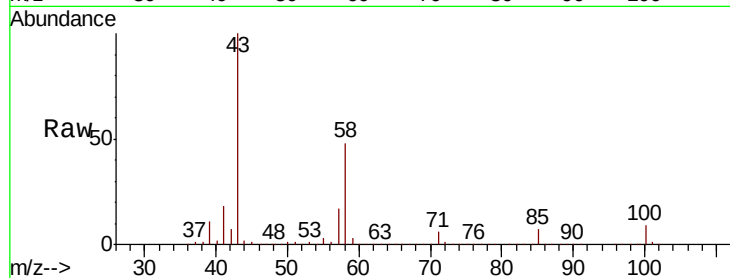
#59
2-Hexanone
Concen: 677.848 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1814109
Ion Ratio Lower Upper
43 100
58 48.2 24.1 72.3

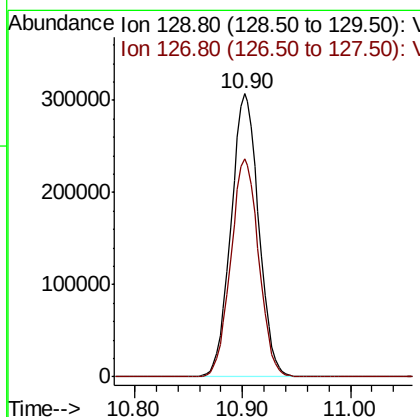
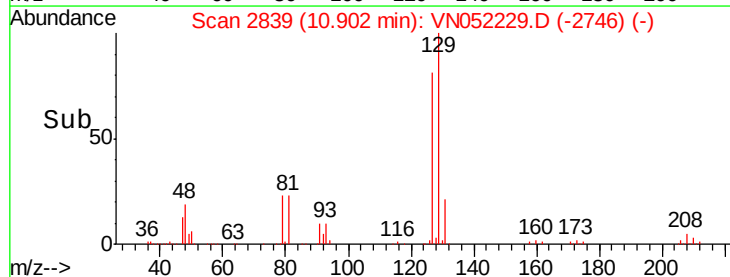
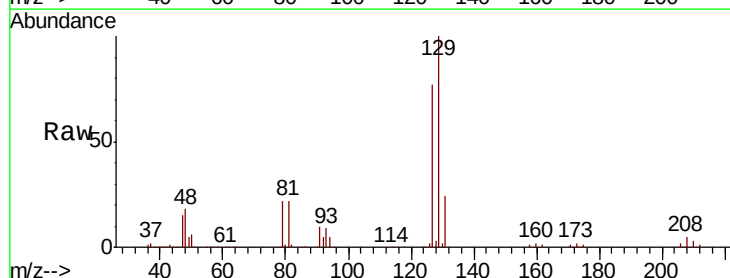
Manual Integrations
APPROVED

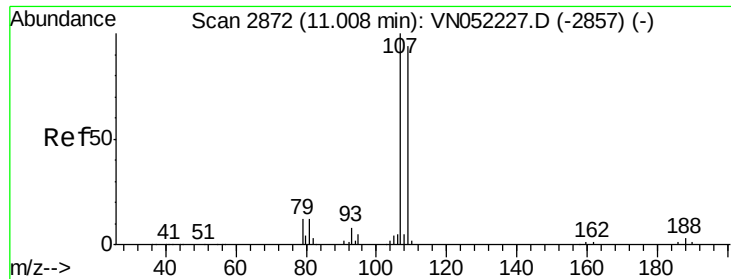
MMDadoda
11/12/2018 9:18:50 AM



#60
Dibromochloromethane
Concen: 164.935 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion: 129 Resp: 549933
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1





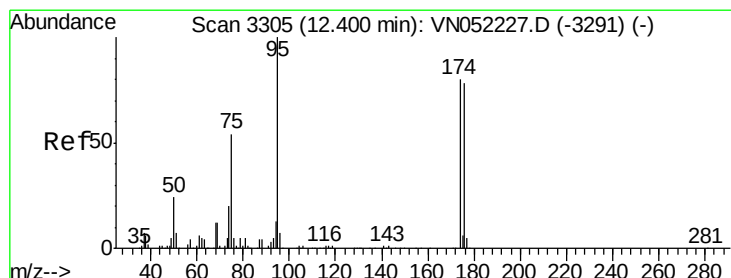
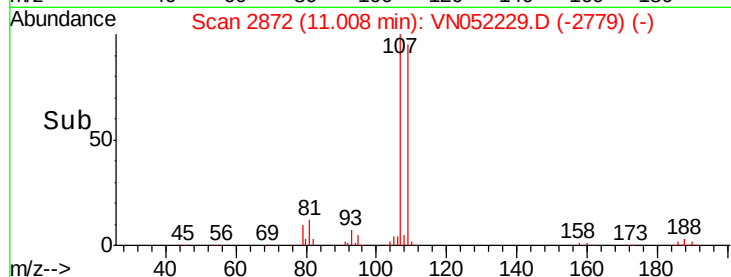
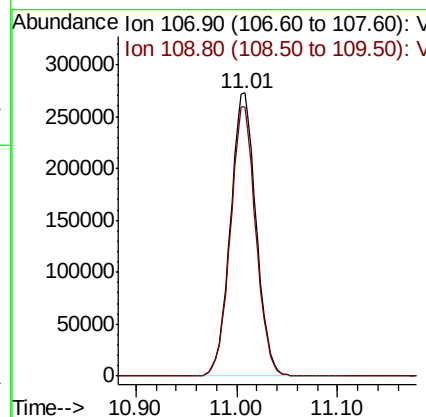
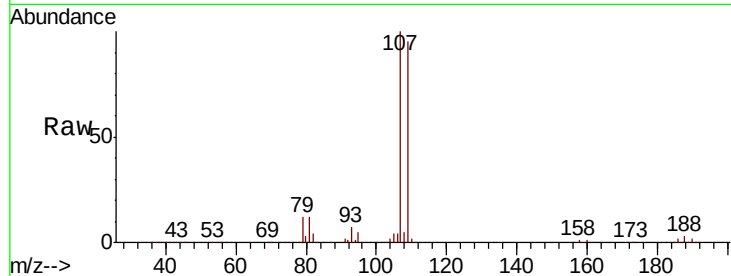
#61
 1,2-Dibromoethane
 Concen: 149.697 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	483607		
109	94.4	75.8	113.6	

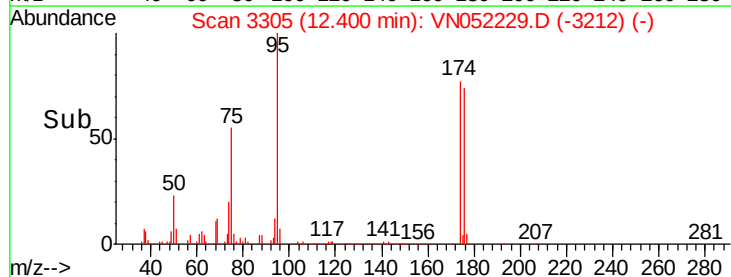
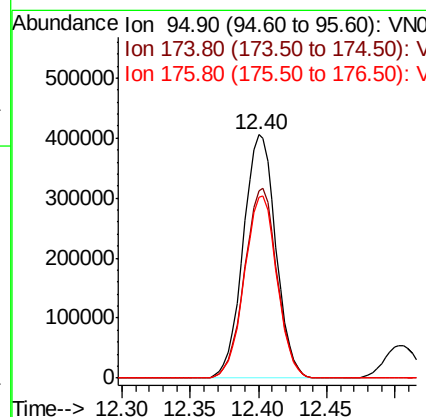
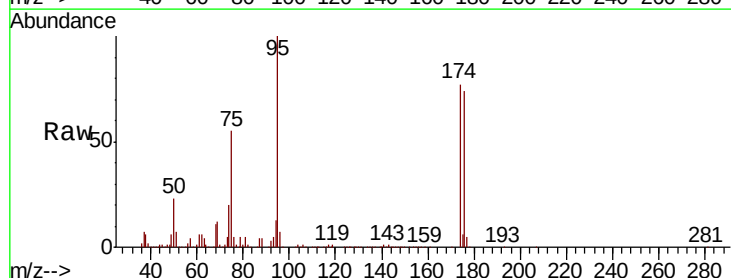
Manual Integrations
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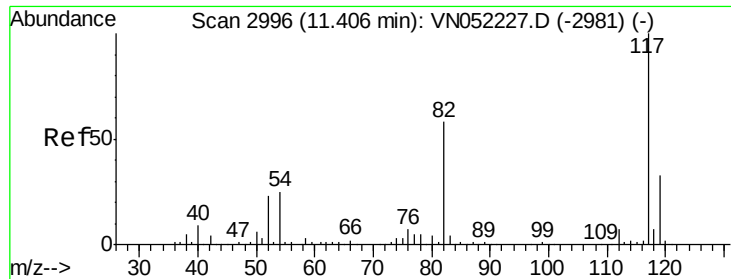
MMDadoda
 11/12/2018 9:18:50 AM



#62
 4-Bromofluorobenzene
 Concen: 149.697 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	672718		
174	77.8	0.0	159.4	
176	75.1	0.0	157.8	





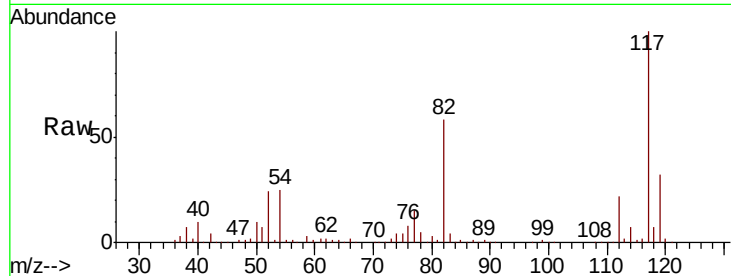
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.2	69.2
119	31.8	26.2	39.4

Manual Integrations
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MMDadoda
11/12/2018 9:18:50 AM

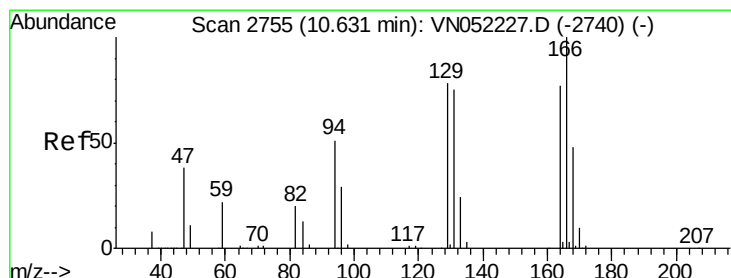
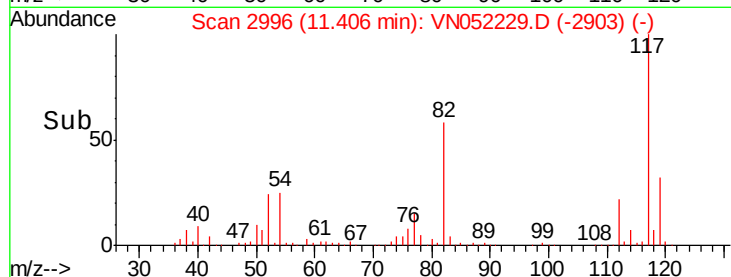
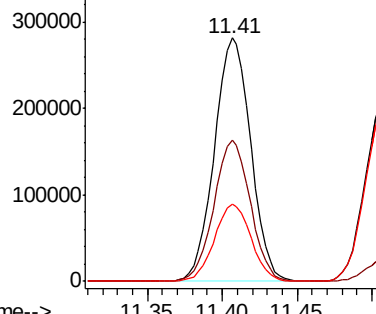


Abundance

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: 143.295 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	100.1	81.0	121.6
131	95.3	77.9	116.9

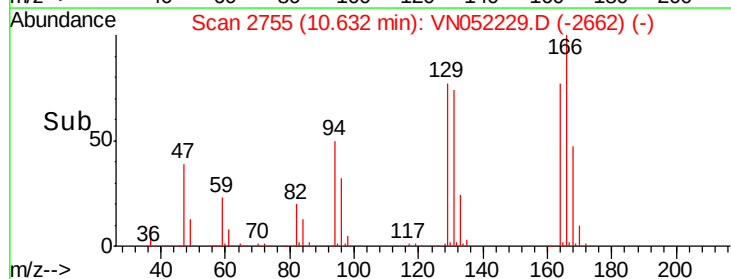
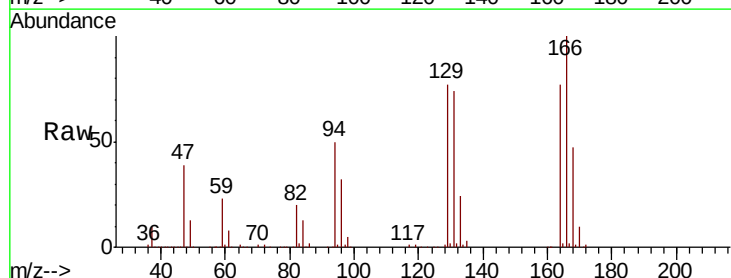
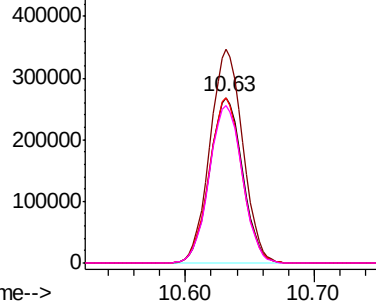
Abundance

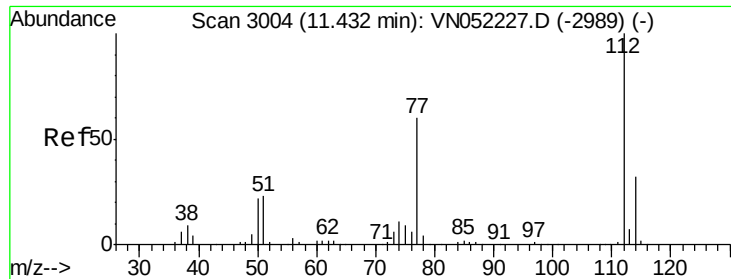
Ion 163.80 (163.50 to 164.50): V

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





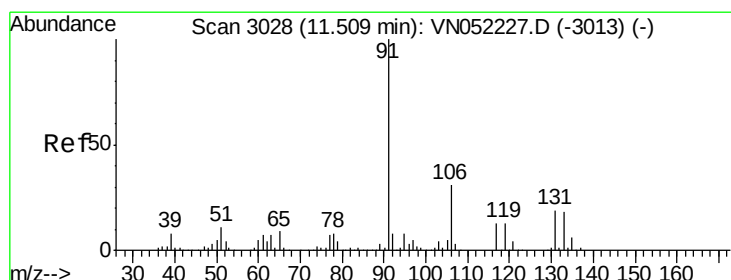
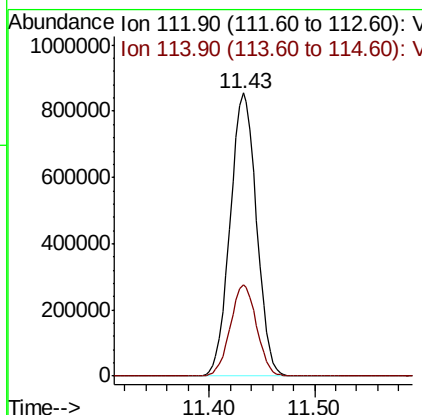
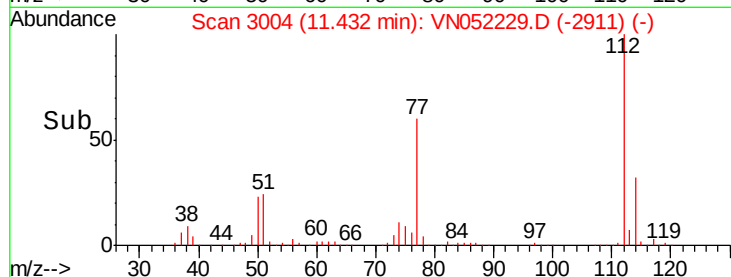
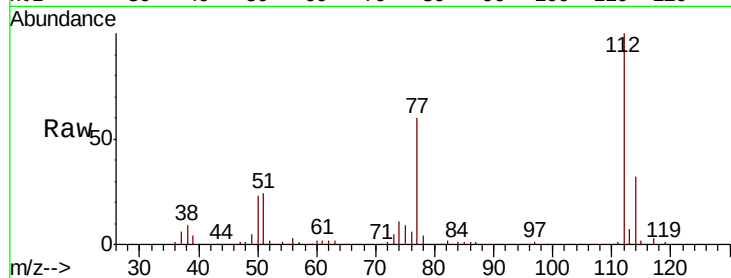
#65
Chlorobenzene
Concen: 146.865 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1475902
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5

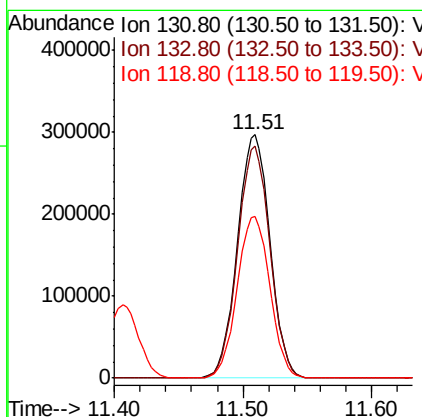
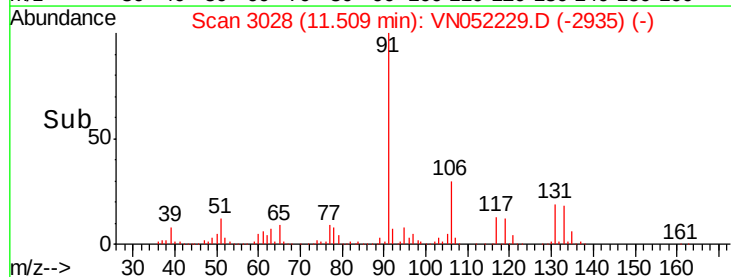
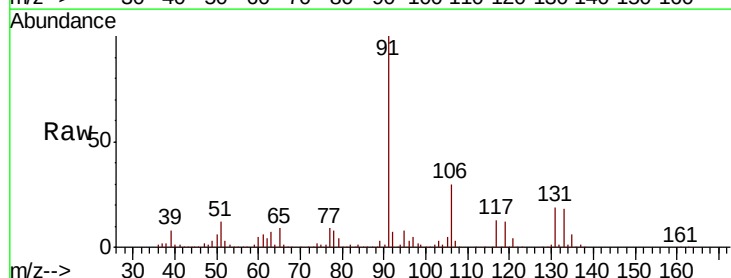
Manual Integrations
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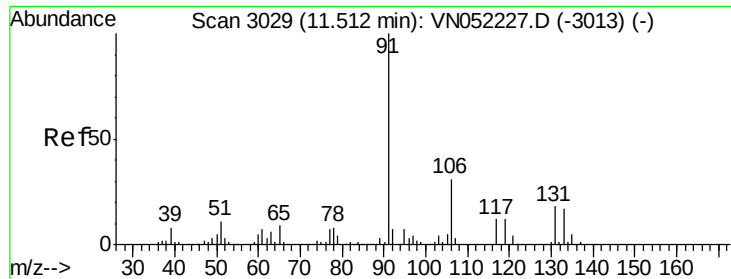
MMDadoda
11/12/2018 9:18:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 152.997 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion:131 Resp: 520817
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.9
119 67.1 34.6 103.9





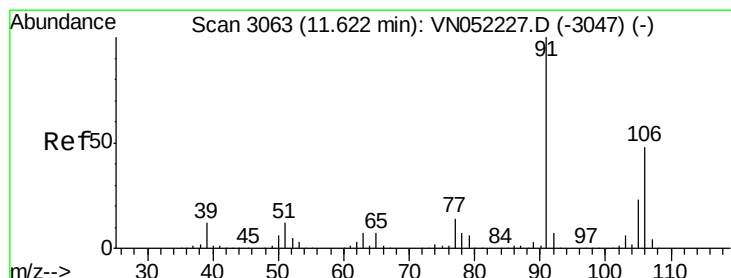
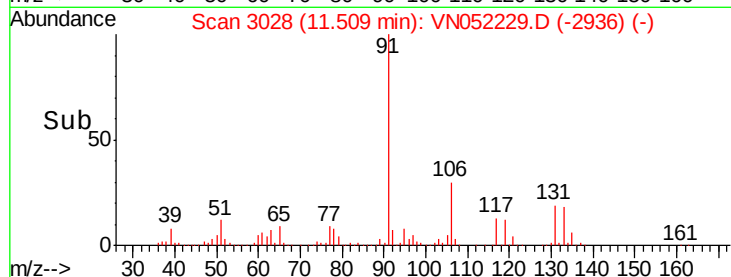
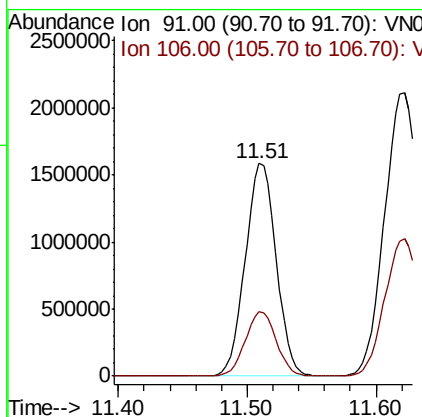
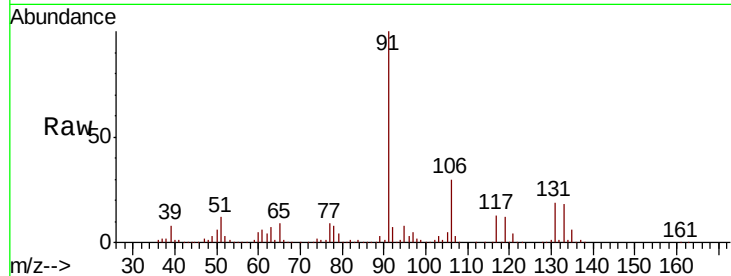
#67
Ethyl Benzene
Concen: 150.240 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2655689
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1

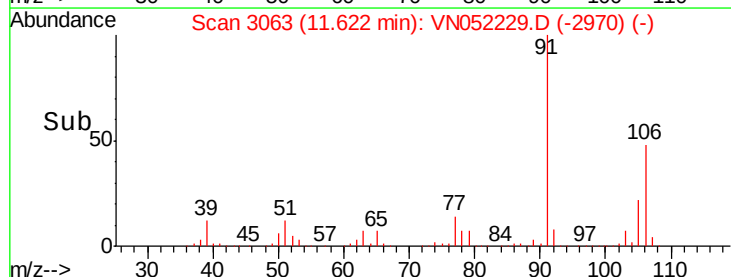
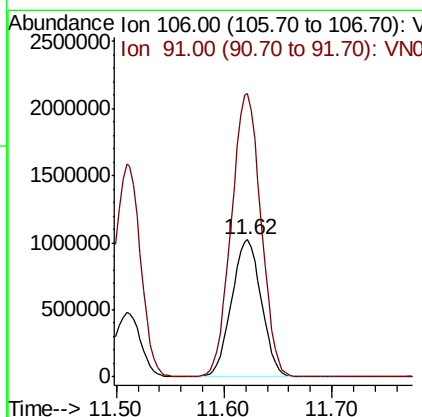
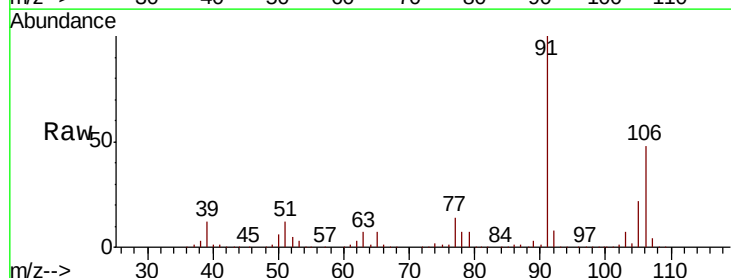
Manual Integrations
APPROVED

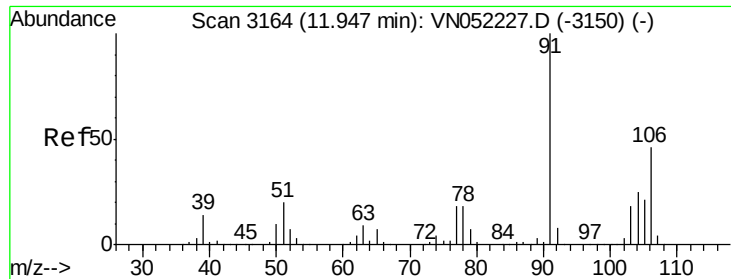
MMDadoda
11/12/2018 9:18:50 AM



#68
m/p-Xylenes
Concen: 298.266 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion:106 Resp: 1963451
Ion Ratio Lower Upper
106 100
91 206.0 165.7 248.5





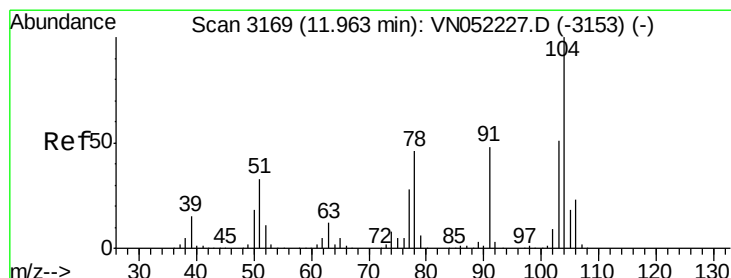
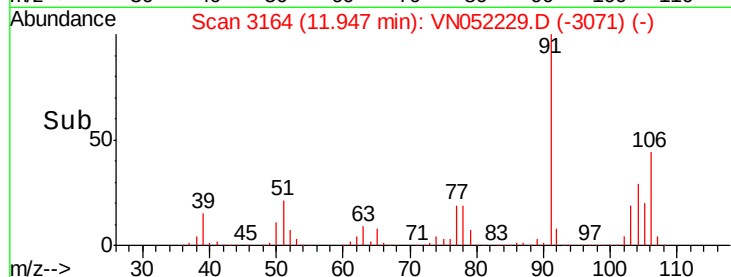
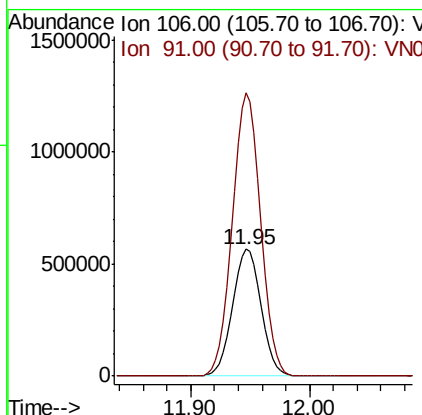
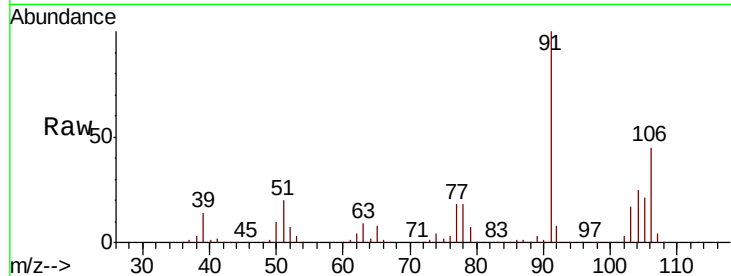
#69
o-Xylene
Concen: 149.161 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		938101		
91	221.1	108.5	325.5		

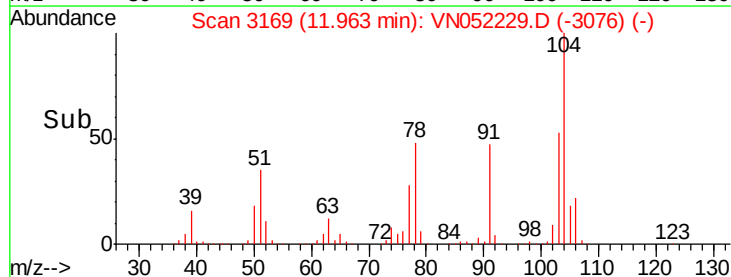
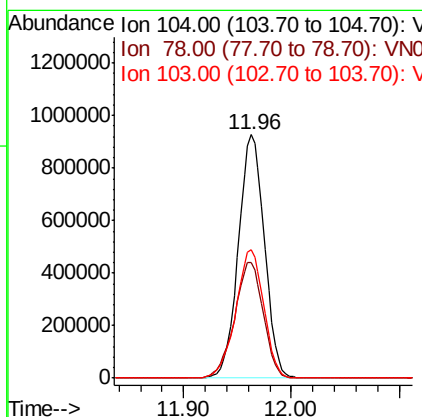
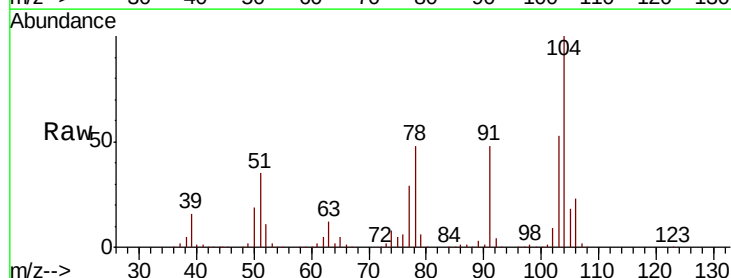
Manual Integrations
APPROVED

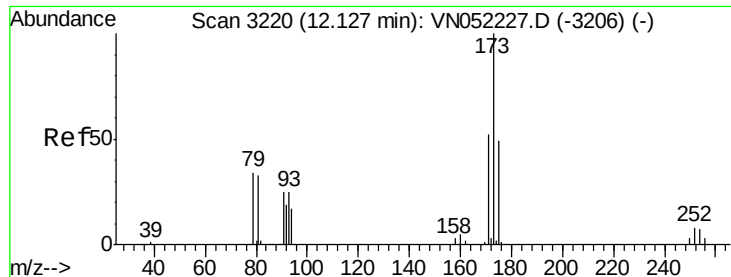
MMDadoda
11/12/2018 9:18:50 AM



#70
Styrene
Concen: 153.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1559765		
78	52.4	41.8	62.6		
103	56.6	44.9	67.3		





#71

Bromoform

Concen: 163.619 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 332274

Ion Ratio Lower Upper

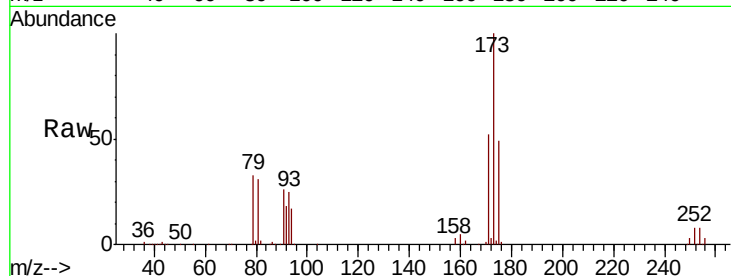
173 100

175 48.0 24.5 73.5

254 0.1 0.0 0.0#

Manual Integrations
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MMDadoda
11/12/2018 9:18:50 AM

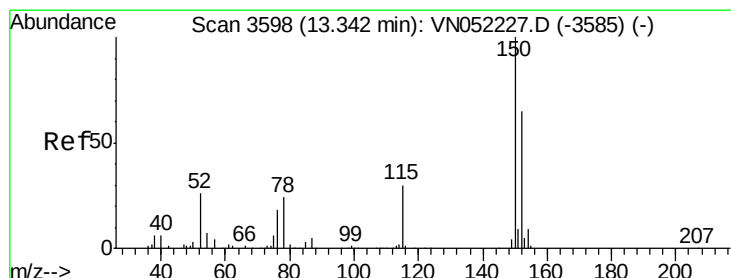
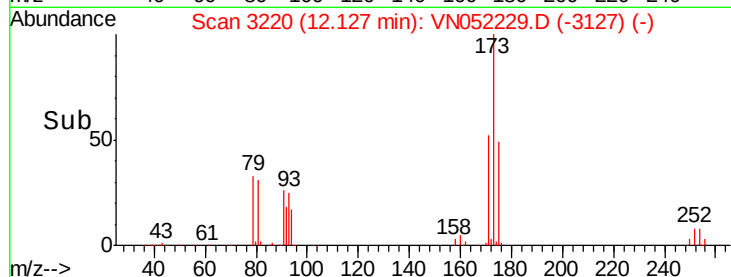
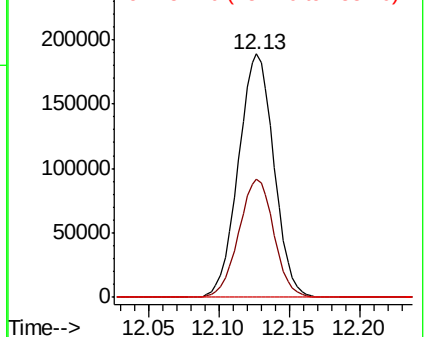


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

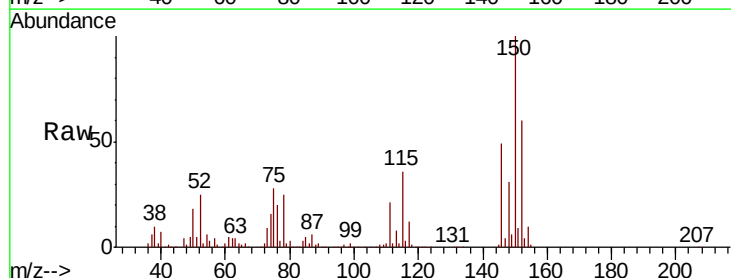
Tgt Ion:152 Resp: 215973

Ion Ratio Lower Upper

152 100

115 60.1 29.8 89.5

150 206.1 0.0 350.2

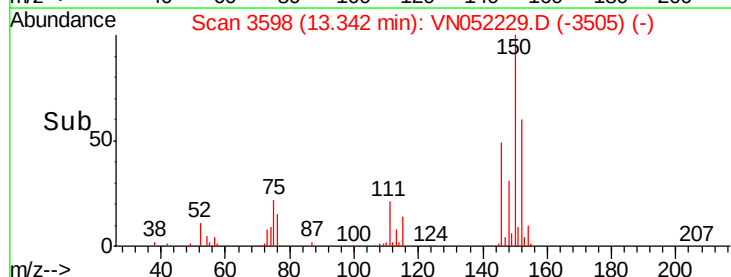
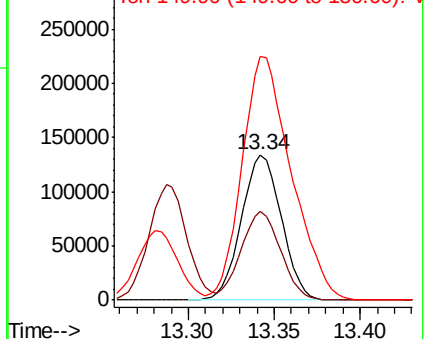


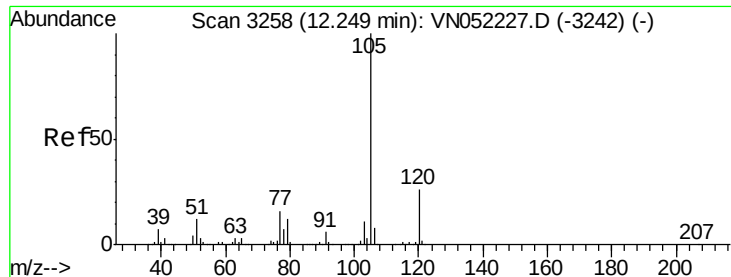
Abundance

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: 144.699 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2554657

Ion Ratio Lower Upper

105 100

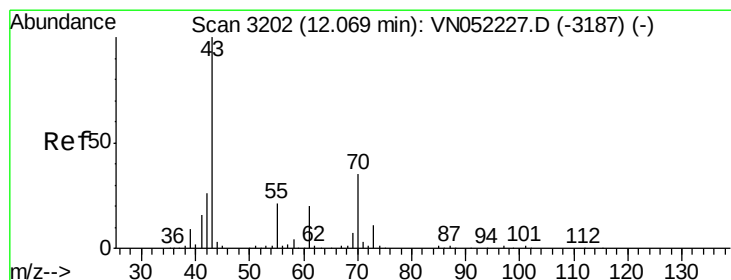
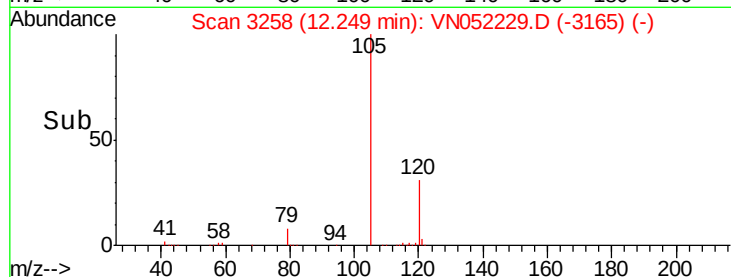
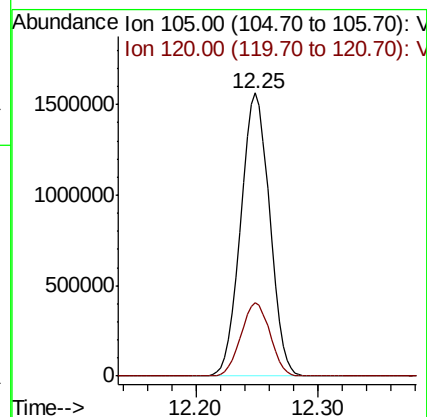
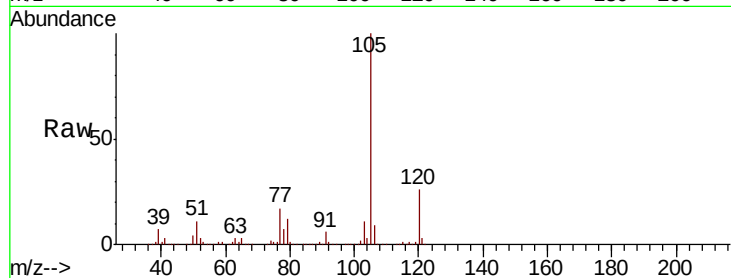
120 26.2 13.1 39.1

Manual Integrations

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MMDadoda

11/12/2018 9:18:50 AM



#74

N-ethyl acetate

Concen: 146.751 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion: 43 Resp: 940595

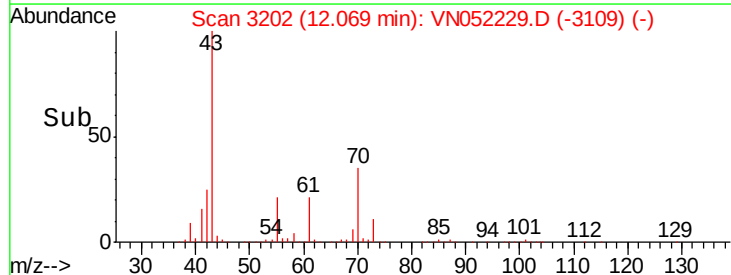
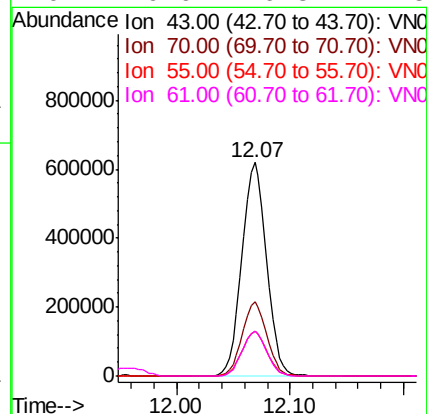
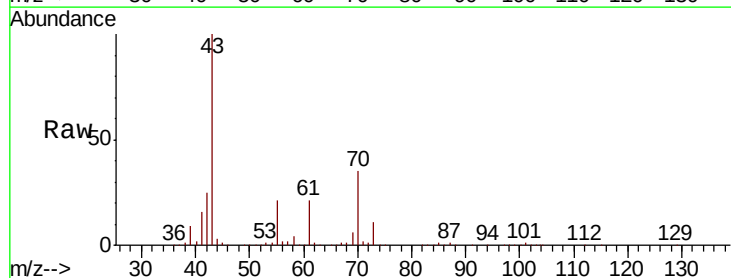
Ion Ratio Lower Upper

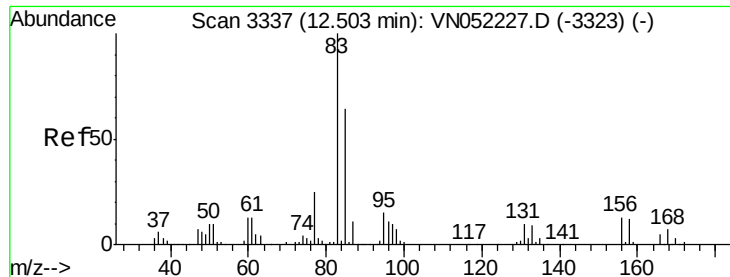
43 100

70 34.7 28.2 42.2

55 21.2 17.4 26.2

61 20.9 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 132.130 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

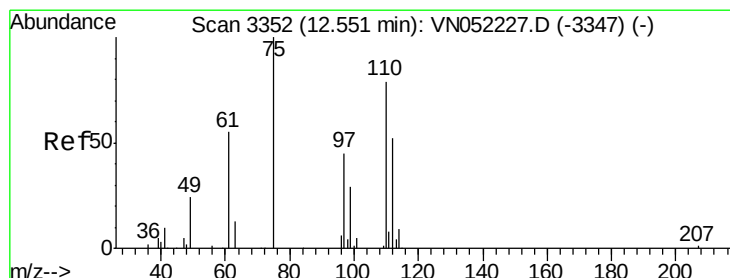
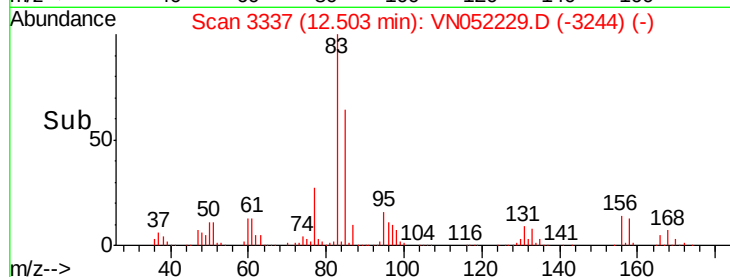
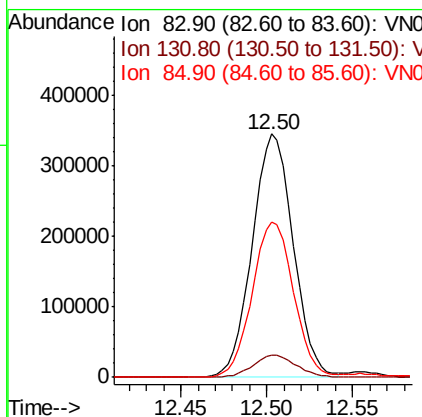
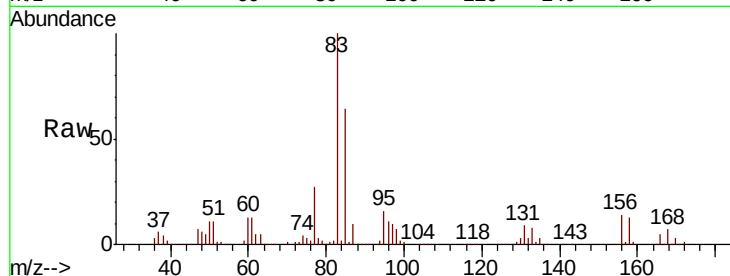
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	571883
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.2
85	64.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 164.665 ug/l m

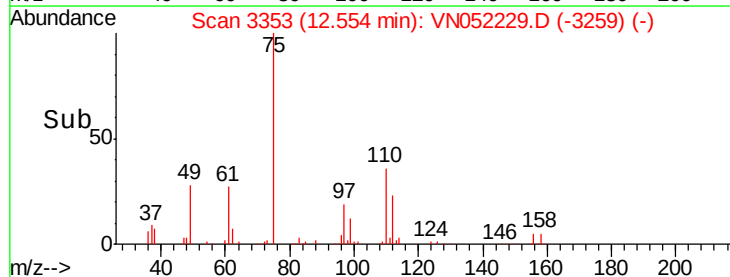
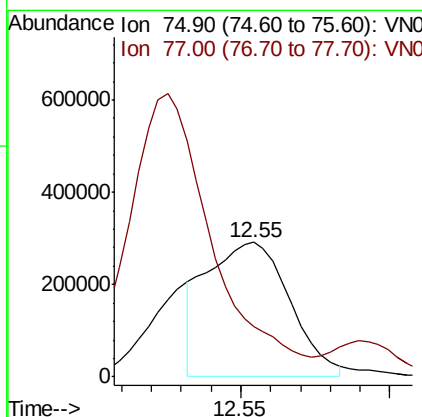
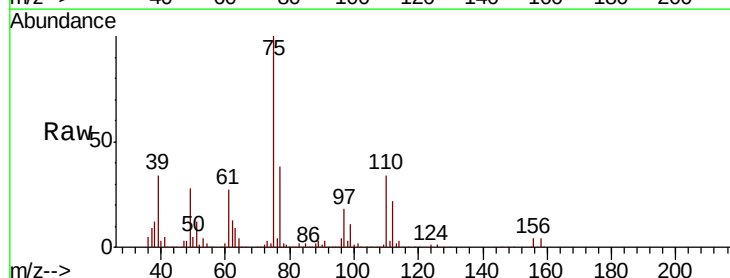
RT: 12.55 min Scan# 3353

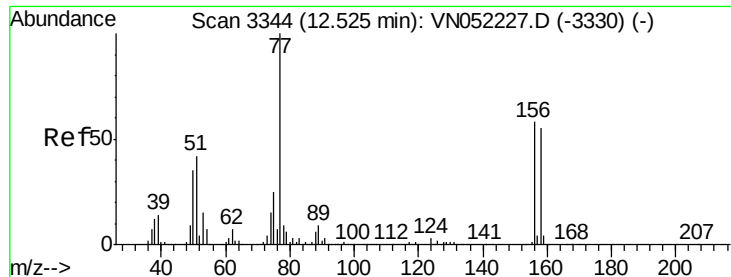
Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion:	75	Resp:	570539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 140.429 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

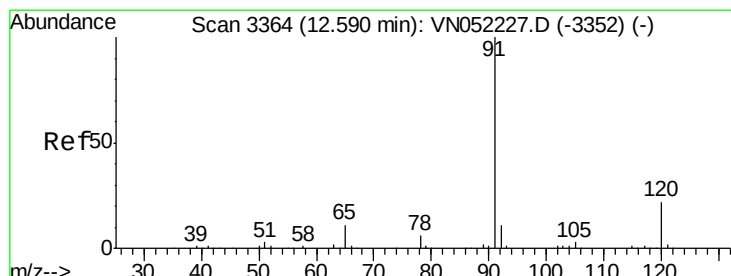
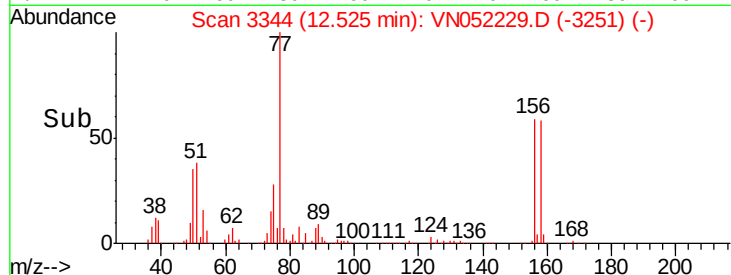
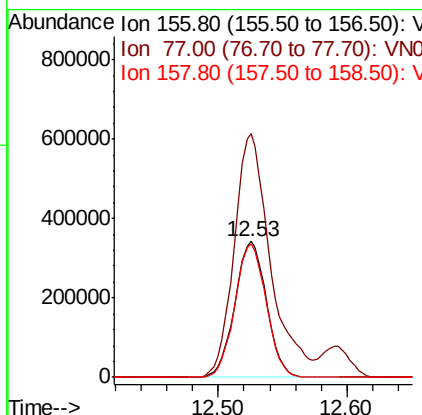
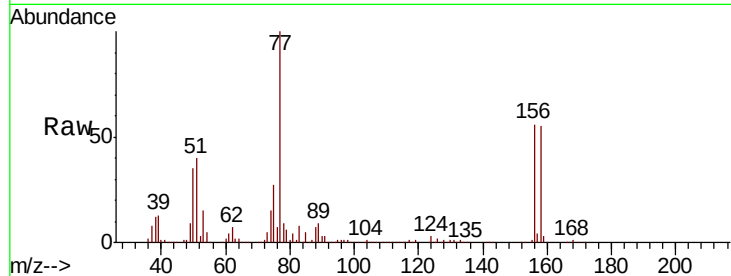
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	206.6	101.1	303.3	
158	97.6	47.8	143.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 147.495 ug/l

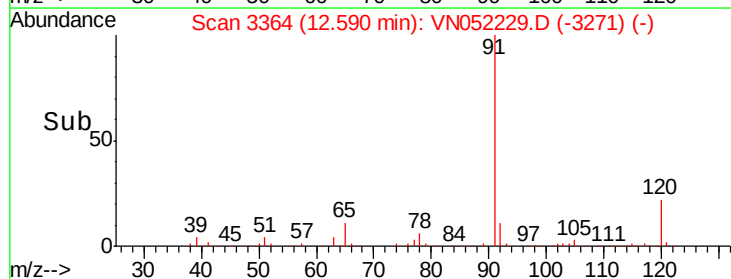
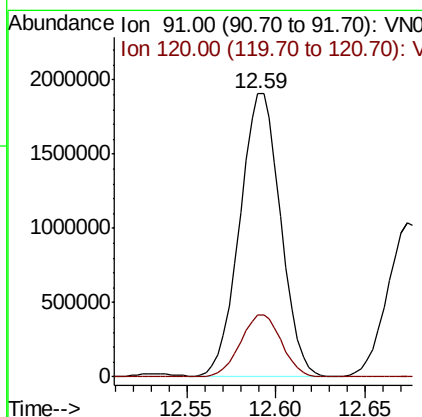
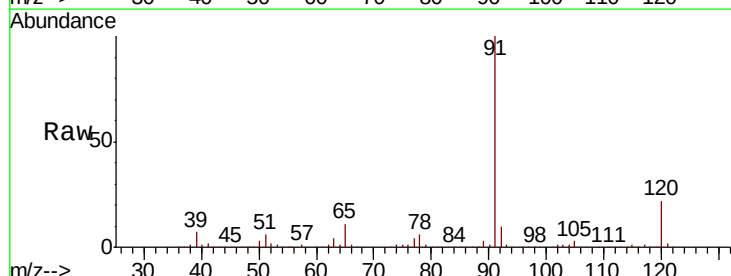
RT: 12.59 min Scan# 3364

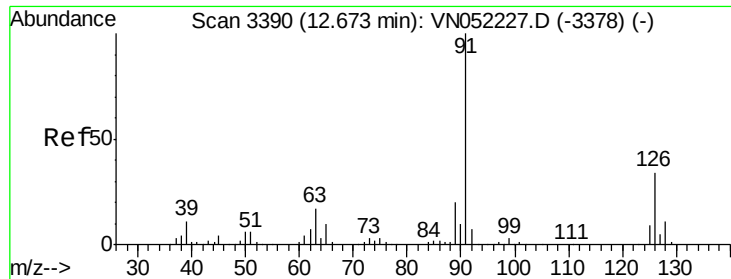
Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.3	33.8	





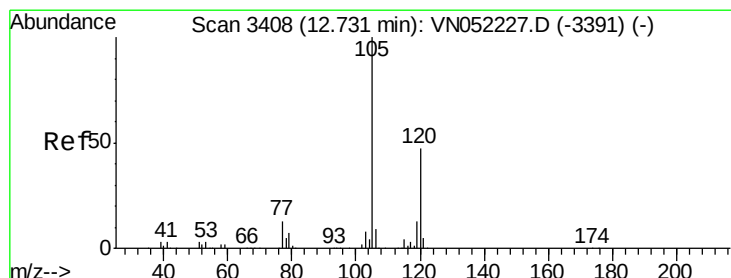
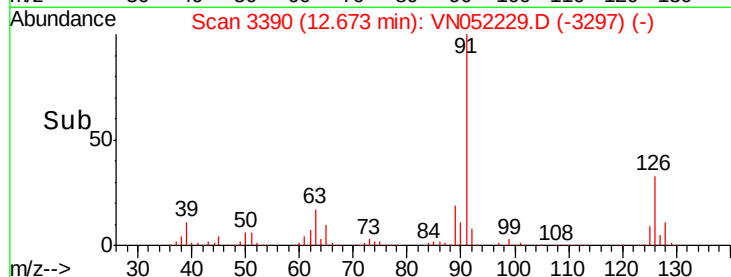
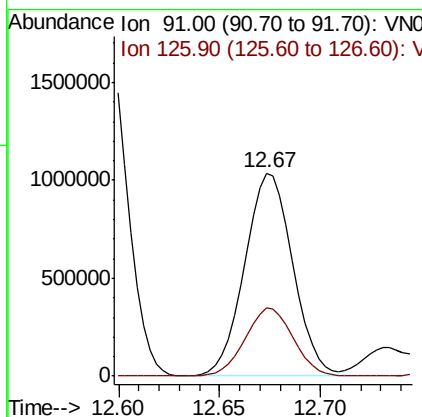
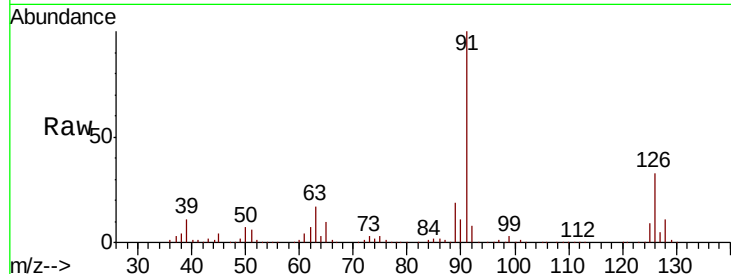
#79
 2-Chlorotoluene
 Concen: 144.055 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1725621
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.0 51.0

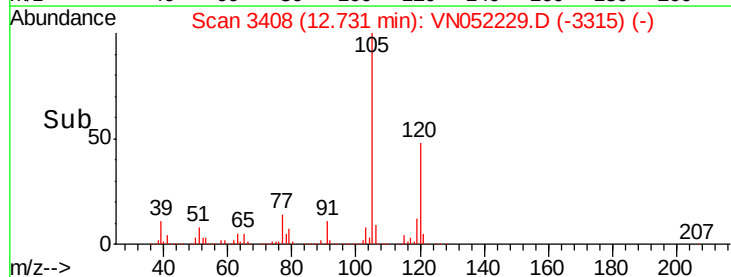
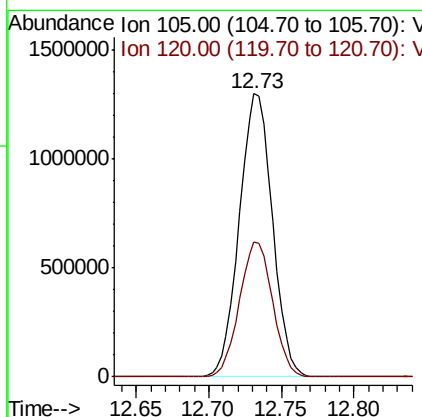
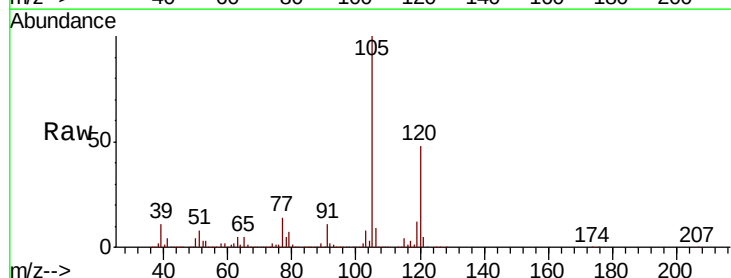
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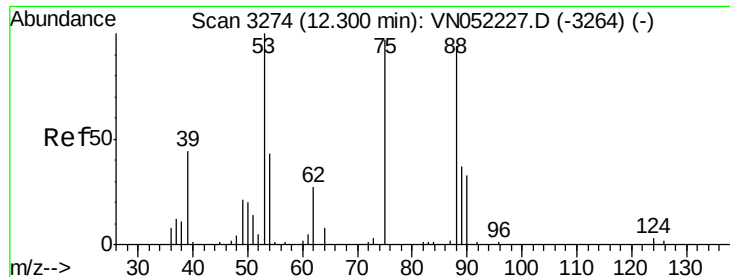
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#80
 1,3,5-Trimethylbenzene
 Concen: 146.800 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion: 105 Resp: 2061152
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 163.195 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 182686

Ion Ratio Lower Upper

75 100

53 105.9 84.0 126.0

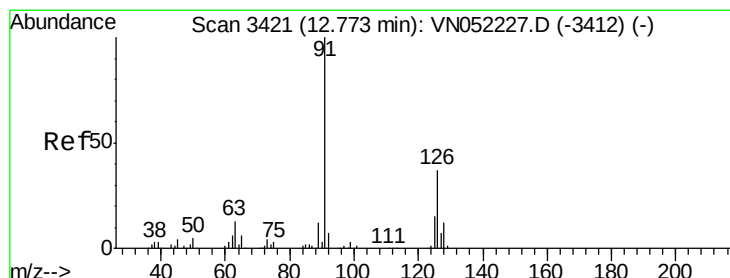
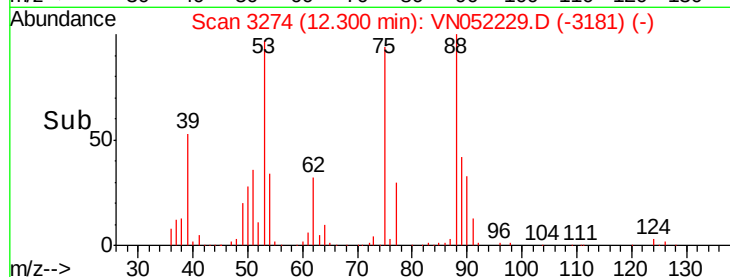
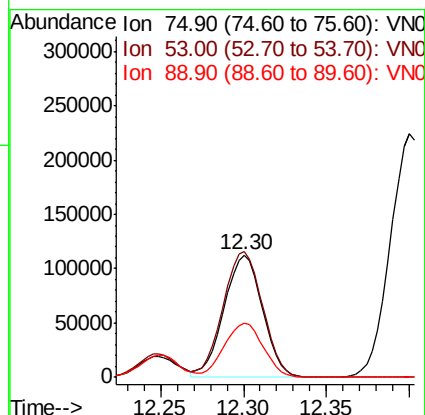
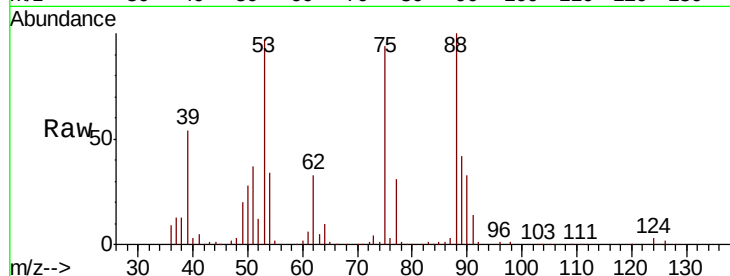
89 45.2 33.7 50.5

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#82

4-Chlorotoluene

Concen: 148.762 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052229.D

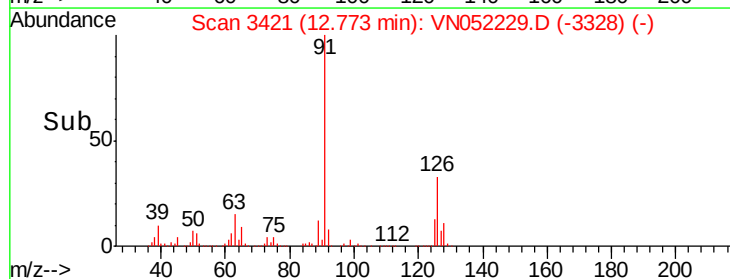
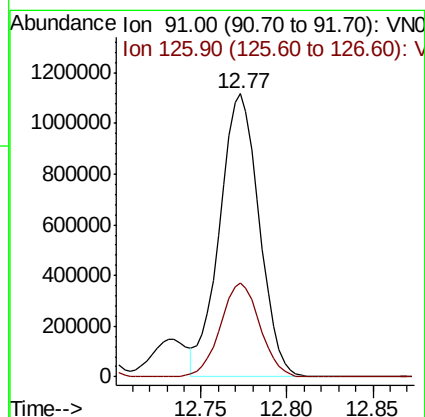
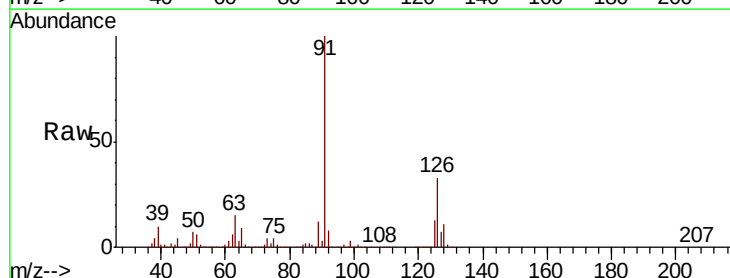
Acq: 9 Nov 2018 15:53

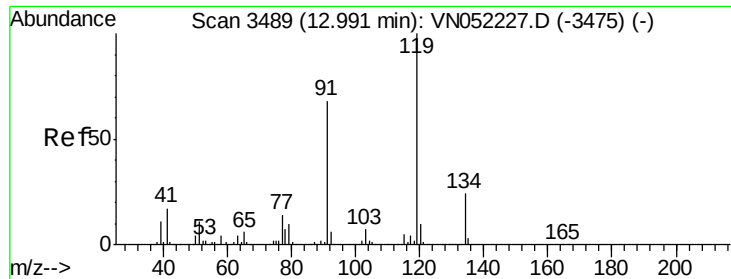
Tgt Ion: 91 Resp: 1788044

Ion Ratio Lower Upper

91 100

126 33.1 16.9 50.7





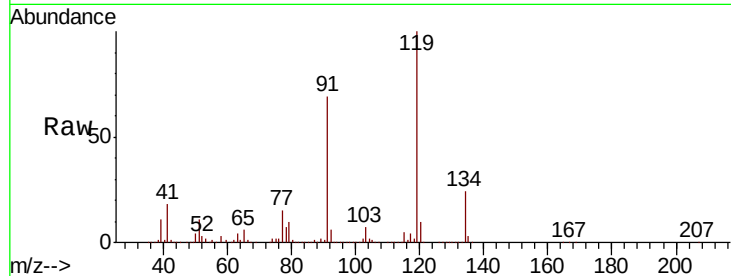
#83
 tert-Butylbenzene
 Concen: 143.637 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

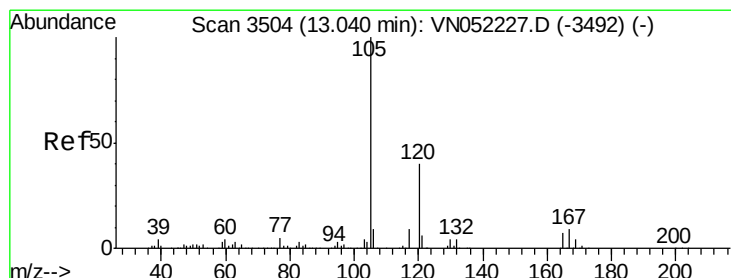
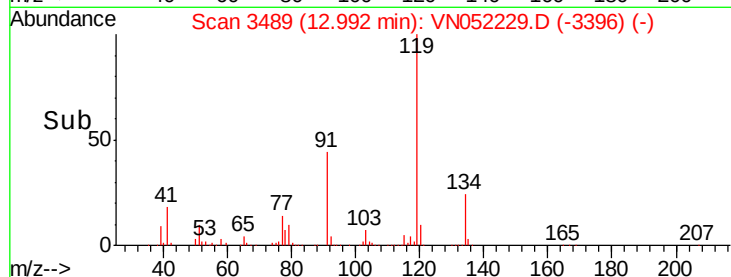
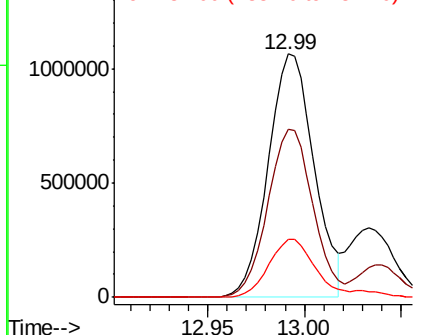
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.5	100.4
134	23.9	13.0	38.9

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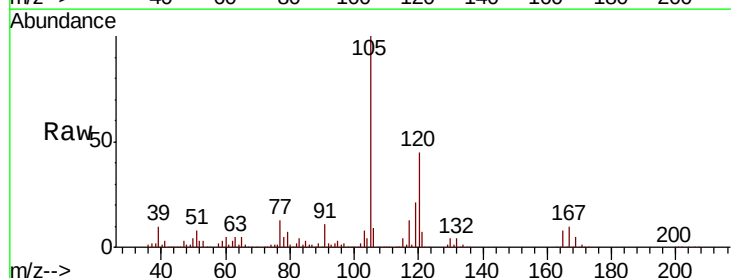


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

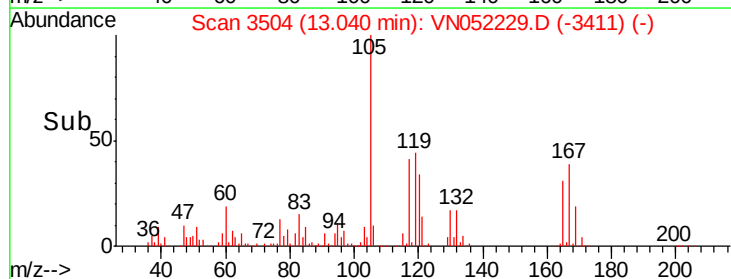
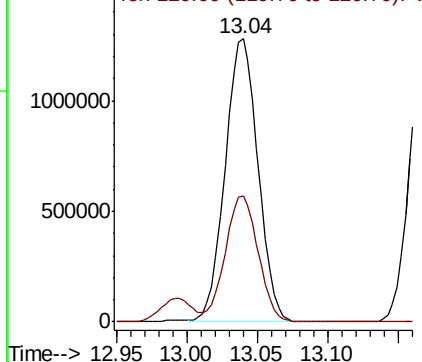


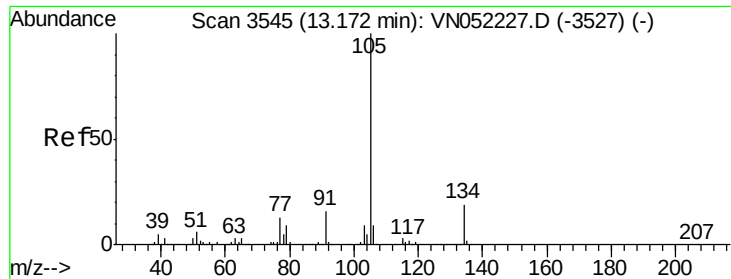
#84
 1,2,4-Trimethylbenzene
 Concen: 146.865 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 149.090 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2506210

Ion Ratio Lower Upper

105 100

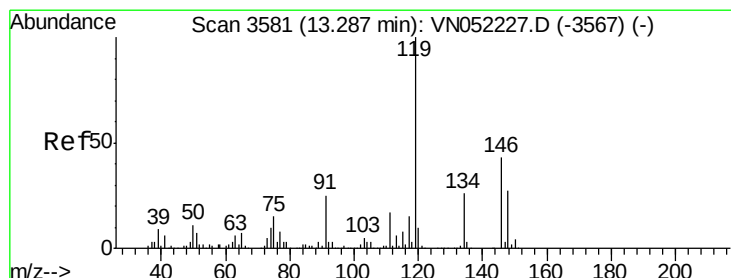
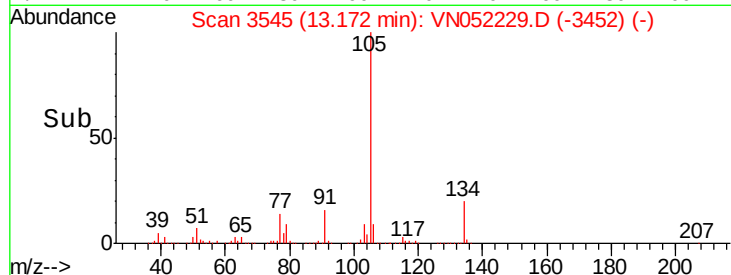
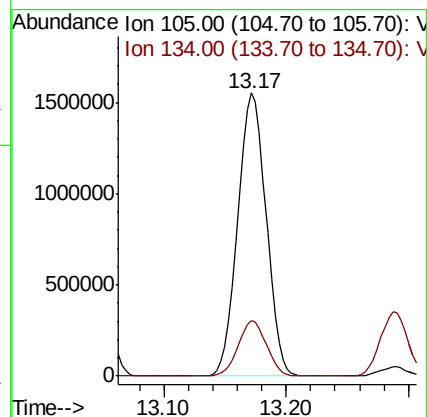
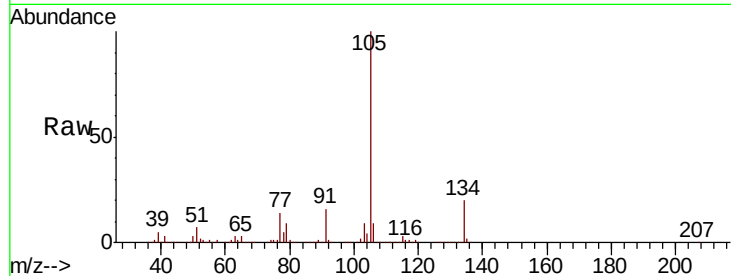
134 19.5 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 151.211 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

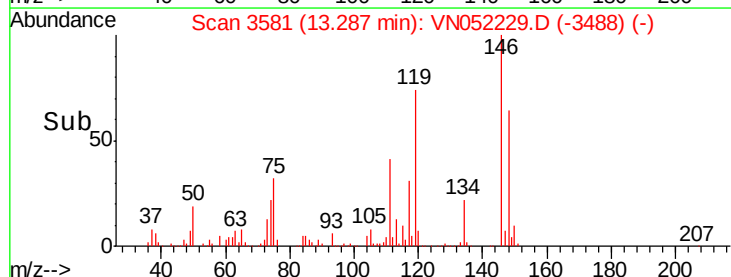
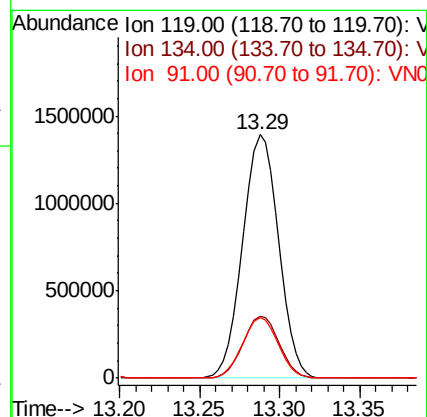
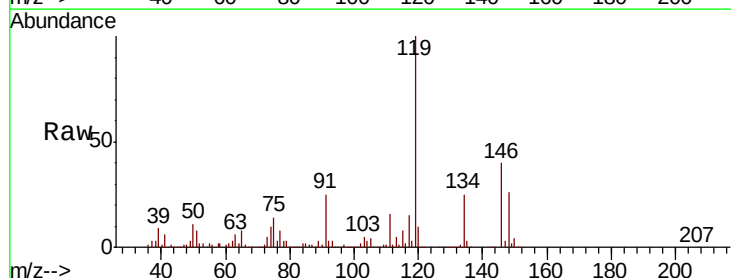
Tgt Ion:119 Resp: 2126502

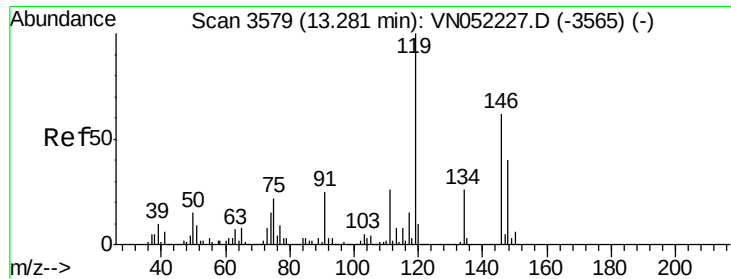
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.6

91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 144.473 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

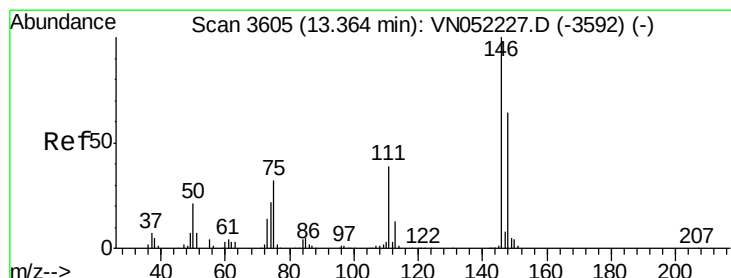
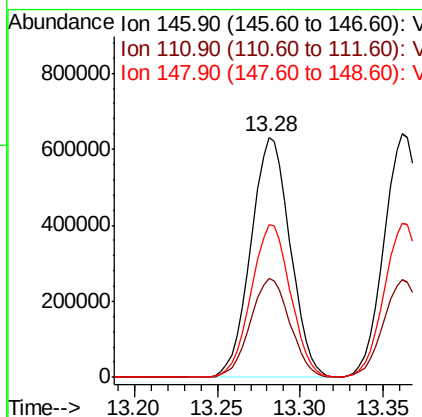
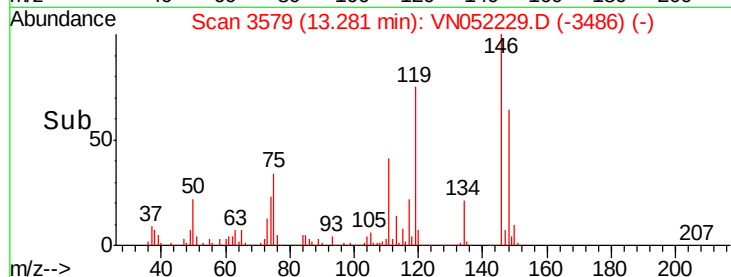
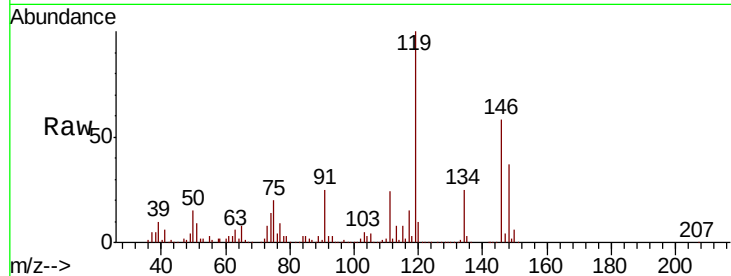
VSTDIC150

Tot Ion:146 Resp: 1039367

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.3
148	63.8	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 144.596 ug/l

RT: 13.36 min Scan# 3604

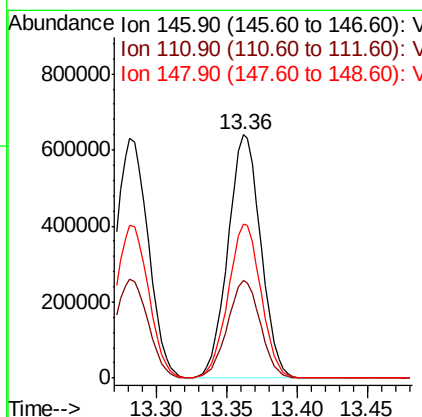
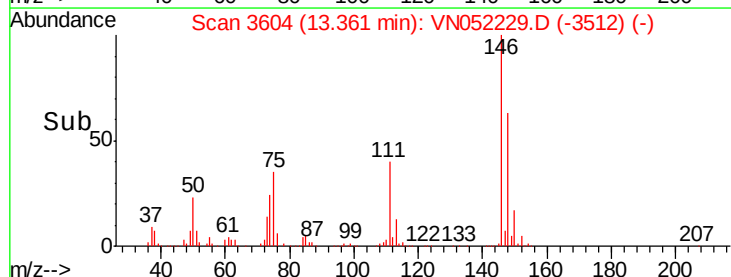
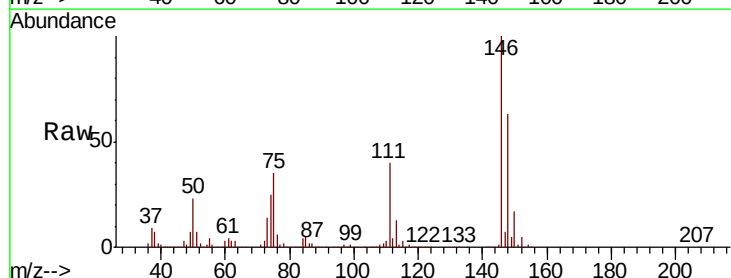
Delta R.T. -0.00 min

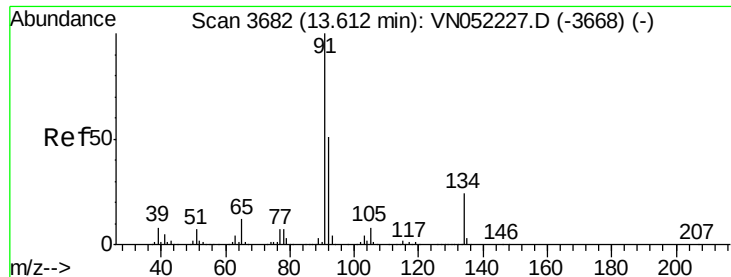
Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Tgt Ion:146 Resp: 1041410

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	63.4	32.1	96.3





#89

n-Butylbenzene

Concen: 157.716 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052229.D

Acq: 9 Nov 2018 15:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1974994

Ion Ratio Lower Upper

91 100

92 51.2 25.1 75.3

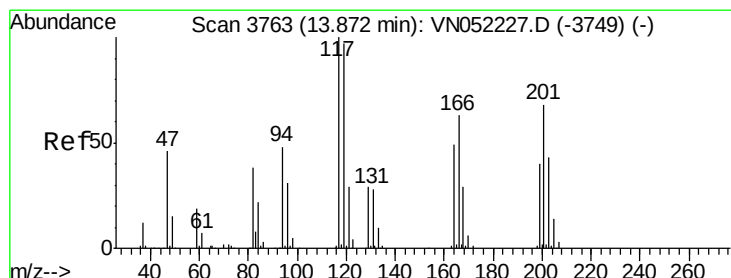
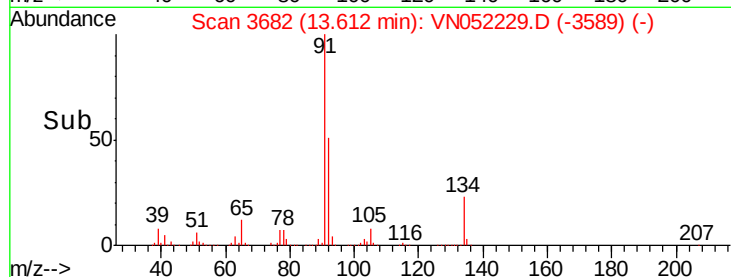
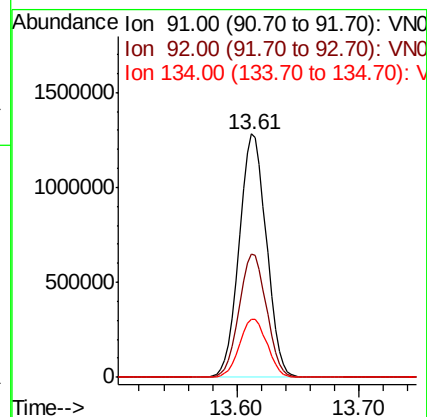
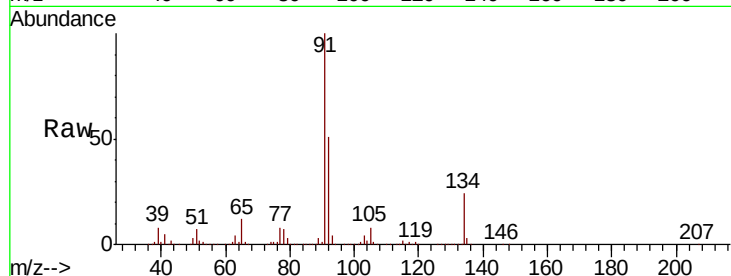
134 24.4 12.0 36.1

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#90

Hexachloroethane

Concen: 157.428 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052229.D

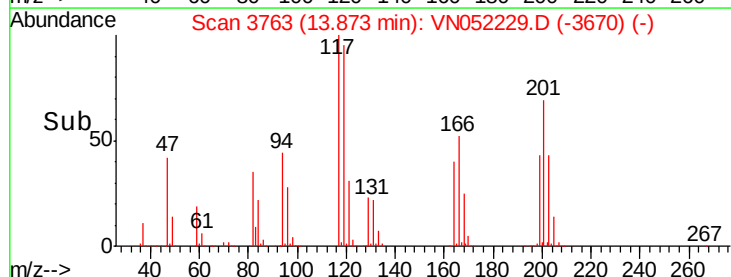
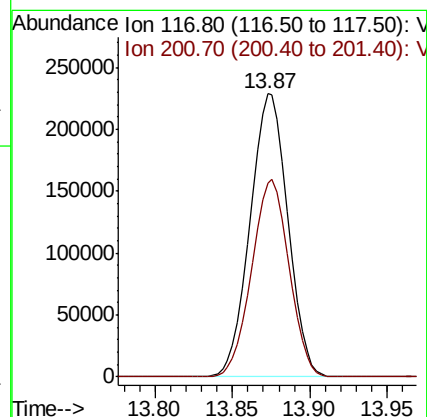
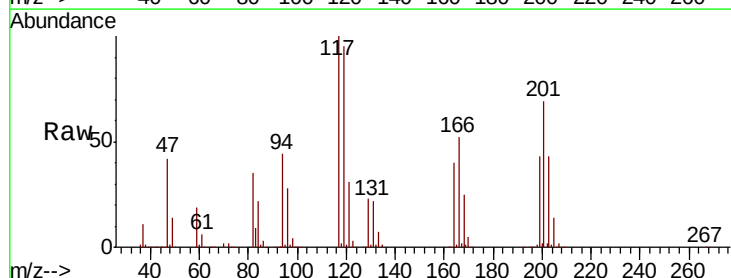
Acq: 9 Nov 2018 15:53

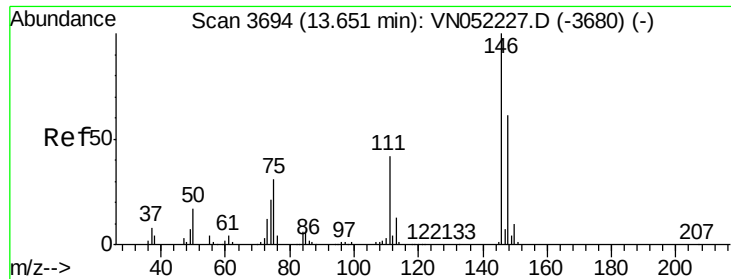
Tgt Ion: 117 Resp: 388586

Ion Ratio Lower Upper

117 100

201 69.1 34.6 103.9





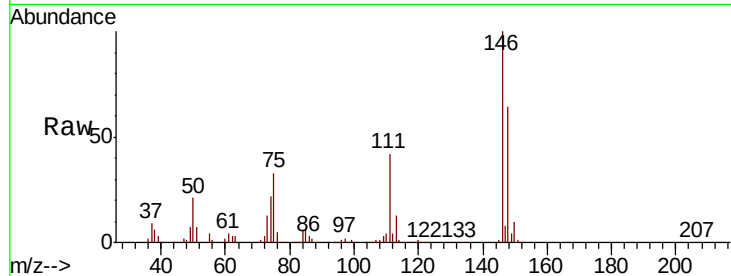
#91
 1,2-Dichlorobenzene
 Concen: 139.443 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.3
148	64.2	31.3	93.8

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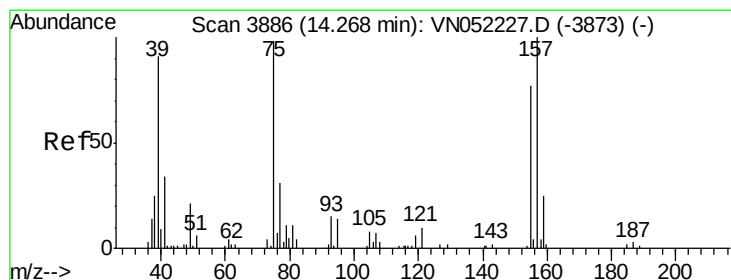
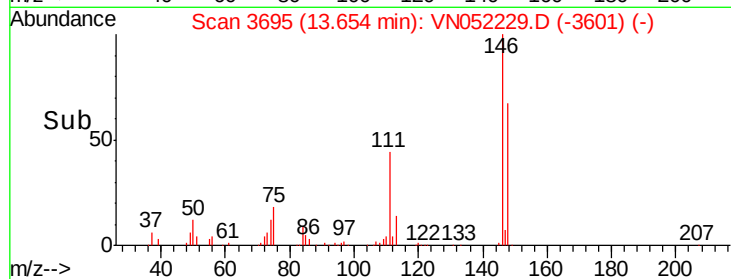
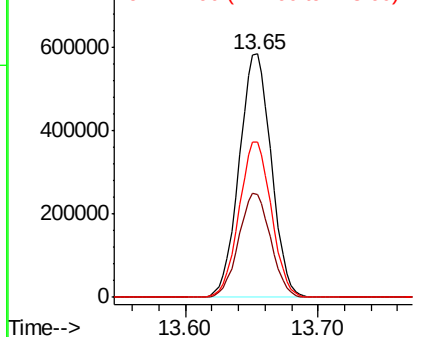


Abundance

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: 140.265 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

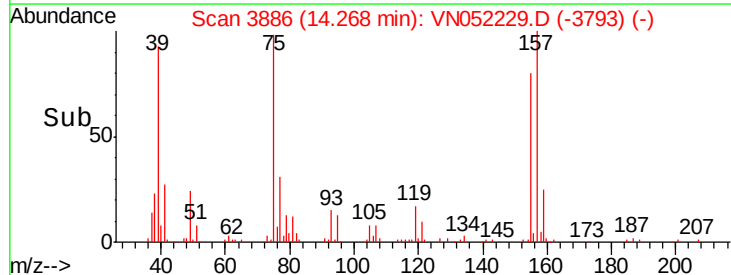
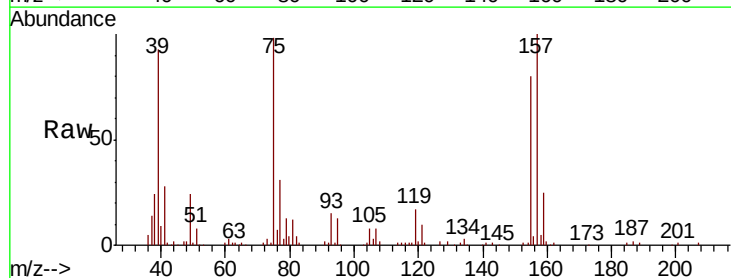
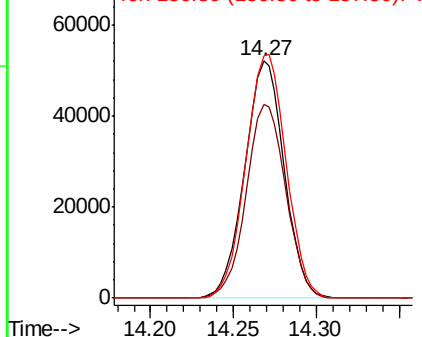
Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.2	120.5
157	104.7	51.7	155.2

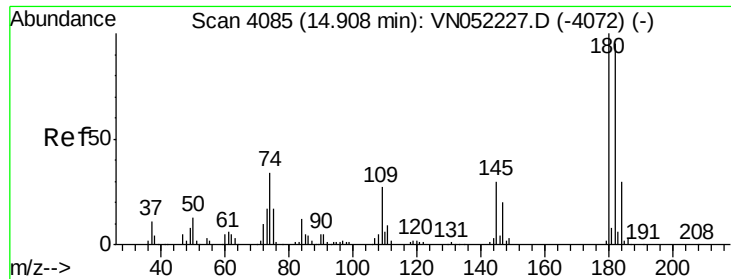
Abundance

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





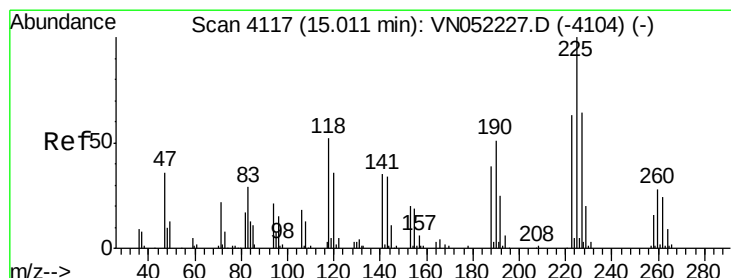
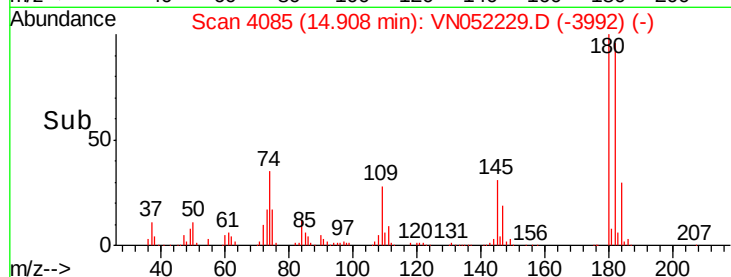
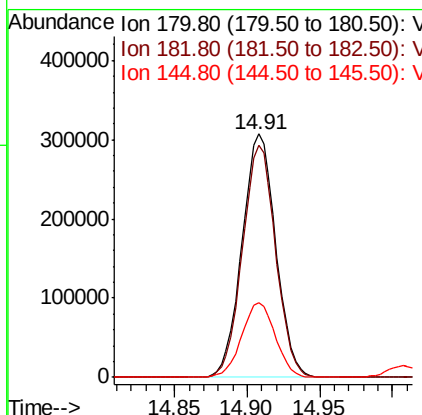
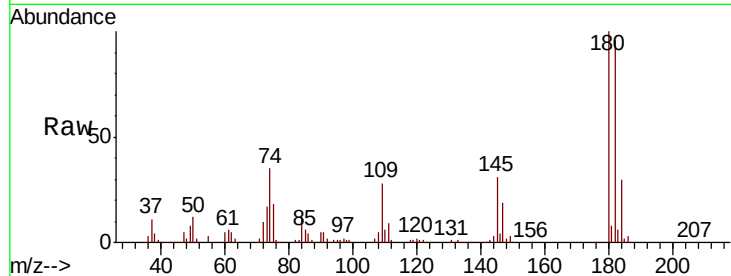
#93
 1,2,4-Trichlorobenzene
 Concen: 178.543 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	142.0
145	30.7	15.6	46.8

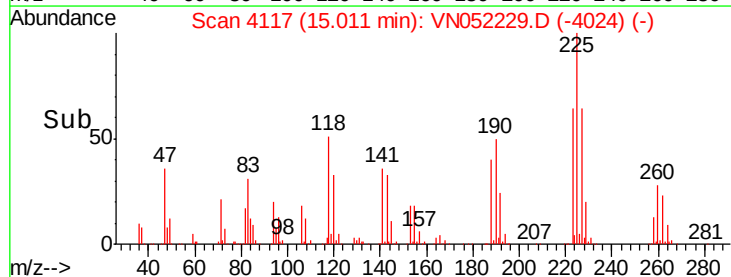
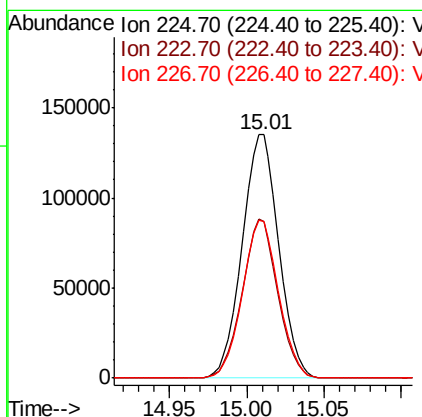
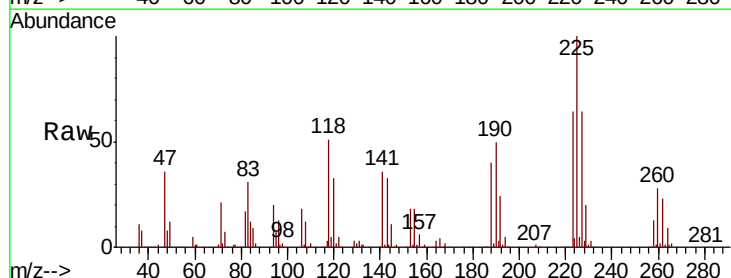
Manual Integrations
 APPROVED

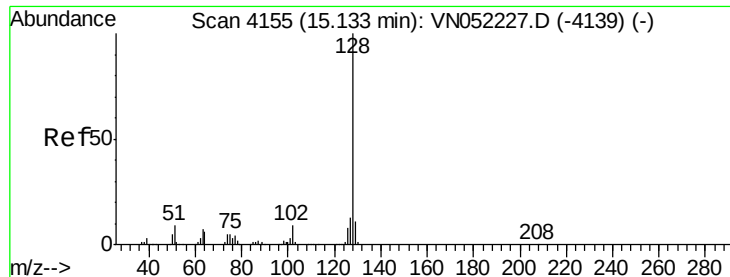
MMDadoda
 11/12/2018 9:18:50 AM



#94
 Hexachlorobutadiene
 Concen: 147.374 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052229.D
 Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.1	96.3
227	63.8	31.8	95.4





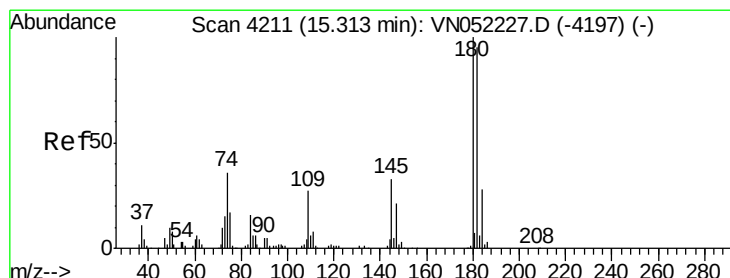
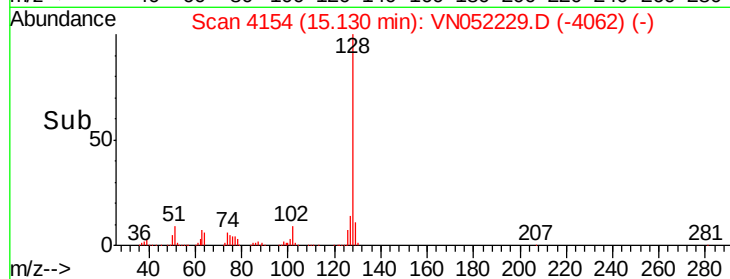
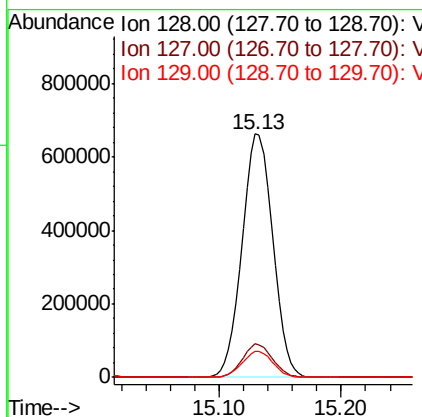
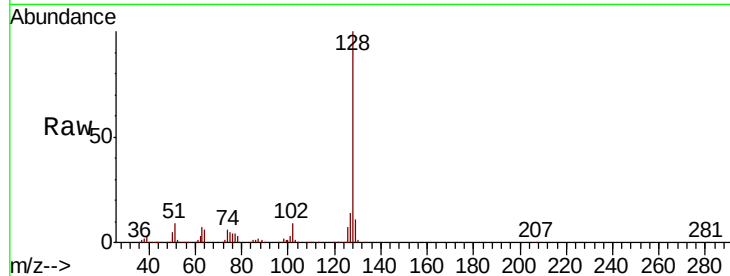
#95
Naphthalene
Concen: 167.865 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 166.872 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052229.D
Acq: 9 Nov 2018 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	32.9	16.8	50.3

