

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052829.D
 Acq On : 12 Dec 2018 16:05
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:20 PM

Quant Time: Dec 13 00:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1029733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1592747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1437932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	704712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1631118	148.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.94%	
35) Dibromofluoromethane	7.59	113	1382446	155.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.98%	
50) Toluene-d8	10.09	98	5817205	150.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.82%	
62) 4-Bromofluorobenzene	12.40	95	2041428	156.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1598183	150.770	ug/l	100
3) Chloromethane	2.06	50	1932336	151.887	ug/l	99
4) Vinyl Chloride	2.19	62	1925234	151.261	ug/l	100
5) Bromomethane	2.56	94	1174853	149.656	ug/l	100
6) Chloroethane	2.70	64	1120337	148.916	ug/l	99
7) Trichlorofluoromethane	3.02	101	2377325	150.655	ug/l	99
8) Diethyl Ether	3.41	74	916754	159.265	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1471521	150.465	ug/l	99
10) Methyl Iodide	3.96	142	2270067	165.746	ug/l	100
11) Tert butyl alcohol	4.78	59	467928	764.862	ug/l	99
12) 1,1-Dichloroethene	3.74	96	1459662	154.179	ug/l	99
13) Acrolein	3.61	56	471488	818.560	ug/l	98
14) Allyl chloride	4.33	41	2412087	155.986	ug/l	98
15) Acrylonitrile	4.99	53	2721635	792.984	ug/l	99
16) Acetone	3.82	43	1803488	733.403	ug/l	96
17) Carbon Disulfide	4.06	76	4535120	155.935	ug/l	99
18) Methyl Acetate	4.32	43	1444992	160.113	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	4021735	156.477	ug/l	99
20) Methylene Chloride	4.55	84	1627985	147.111	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1549859	151.104	ug/l	99
22) Diisopropyl ether	5.95	45	5041540	152.824	ug/l	98
23) Vinyl Acetate	5.90	43	15469055	788.039	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2914848	153.220	ug/l	100
25) 2-Butanone	6.83	43	2887650	756.800	ug/l	100
26) 2,2-Dichloropropane	6.83	77	2193459	156.570	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1792730	153.999	ug/l	100
28) Bromochloromethane	7.19	49	1297938	151.938	ug/l	100
29) Tetrahydrofuran	7.21	42	2015419	773.715	ug/l	100
30) Chloroform	7.37	83	2811653	151.560	ug/l	100
31) Cyclohexane	7.65	56	2761420	130.191	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	2412396	155.423	ug/l	99
36) 1,1-Dichloropropene	7.79	75	2255967	153.811	ug/l	99
37) Ethyl Acetate	6.93	43	1378339	156.433	ug/l	99
38) Carbon Tetrachloride	7.78	117	2133281	158.017	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2779291	154.414	ug/l	99
40) Benzene	8.04	78	6719253	152.636	ug/l	99
41) Methacrylonitrile	7.17	41	739307	151.435	ug/l	96
42) 1,2-Dichloroethane	8.12	62	2001051	150.991	ug/l	99
43) Isopropyl Acetate	8.16	43	2514243	139.176	ug/l	98
44) Trichloroethene	8.84	130	1796455	151.082	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1775837	154.015	ug/l	100
46) Dibromomethane	9.21	93	1012512	151.416	ug/l	99
47) Bromodichloromethane	9.40	83	2180087	157.218	ug/l	99
48) Methyl methacrylate	9.20	41	1291135	162.974	ug/l	100
49) 1,4-Dioxane	9.20	88	281632	3131.850	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	6430882	776.339	ug/l	100
52) Toluene	10.16	92	4115245	154.349	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2340207	167.712	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2685544	161.511	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1434303	150.701	ug/l	99
56) Ethyl methacrylate	10.43	69	2002038	163.910	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2498458	153.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	5474898	803.323	ug/l	100
59) 2-Hexanone	10.75	43	4369694	769.732	ug/l	100
60) Dibromochloromethane	10.90	129	1660745	161.454	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1474859	156.770	ug/l	99
64) Tetrachloroethene	10.63	164	1813198	146.715	ug/l	99
65) Chlorobenzene	11.43	112	4568241	153.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1628633	156.974	ug/l	100
67) Ethyl Benzene	11.51	91	7996662	156.092	ug/l	100
68) m/p-Xylenes	11.62	106	6008184	312.331	ug/l	100
69) o-Xylene	11.95	106	2928266	155.890	ug/l	100
70) Styrene	11.97	104	4863727	161.071	ug/l	100
71) Bromoform	12.13	173	1164538	165.217	ug/l #	100
73) Isopropylbenzene	12.25	105	7747771	147.250	ug/l	99
74) N-amyl acetate	12.07	43	2281769	157.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1698322	144.022	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1485834m	126.415	ug/l	
77) Bromobenzene	12.53	156	1976999	147.727	ug/l	99
78) n-propylbenzene	12.59	91	9030619	150.490	ug/l	99
79) 2-Chlorotoluene	12.68	91	5209649	146.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6355580	149.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	550366	170.049	ug/l	95
82) 4-Chlorotoluene	12.77	91	5417686	149.363	ug/l	100
83) tert-Butylbenzene	12.99	119	5552713	148.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	6478874	150.672	ug/l	100
85) sec-Butylbenzene	13.17	105	7678169	151.317	ug/l	100
86) p-Isopropyltoluene	13.29	119	6784479	154.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3588666	150.898	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3569743	151.572	ug/l	99
89) n-Butylbenzene	13.62	91	5991105	161.884	ug/l	100
90) Hexachloroethane	13.88	117	1176513	159.823	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	3359512	146.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	279063	156.994	ug/l	99

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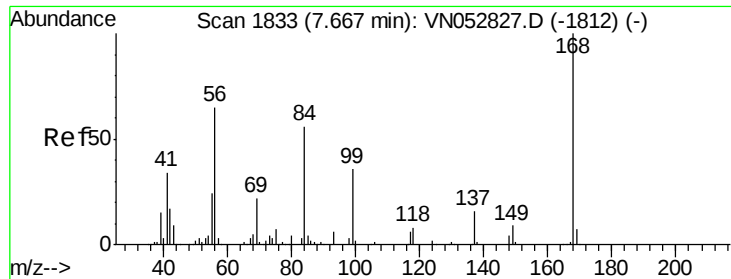
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2086218	167.763	ug/l	100
94) Hexachlorobutadiene	15.01	225	1032267	143.413	ug/l	100
95) Naphthalene	15.13	128	4384234	170.225	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1891828	165.797	ug/l	99

(#) = 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: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 1029733

Ion Ratio Lower Upper

168 100

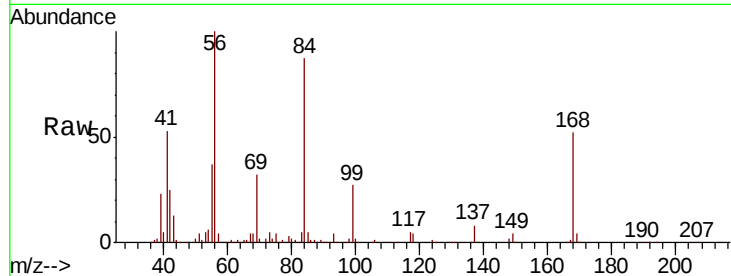
99 51.3 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

600000

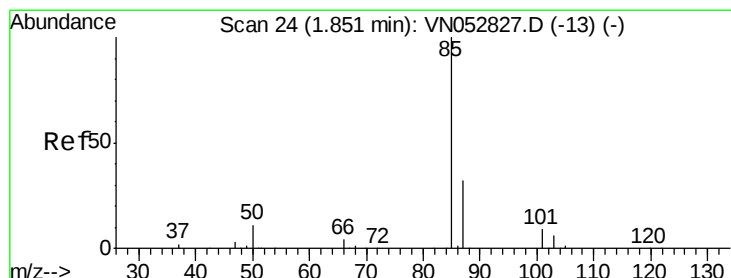
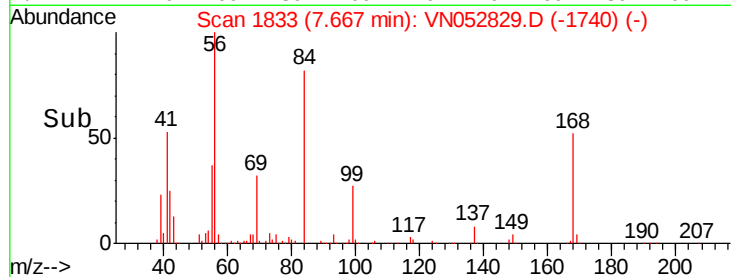
400000

200000

0

7.60 7.67 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 150.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052829.D

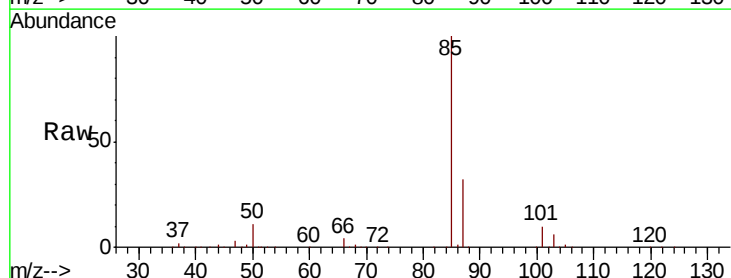
Acq: 12 Dec 2018 16:05

Tgt Ion: 85 Resp: 1598183

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052827.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052827.D (-13) (-)

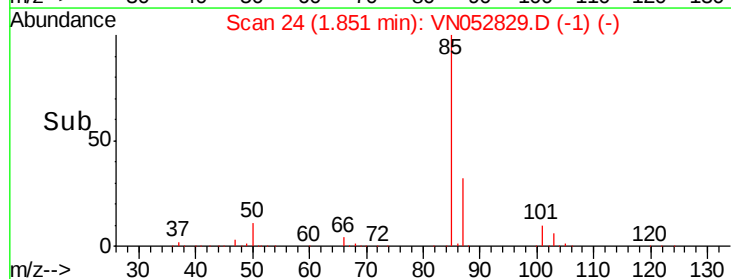
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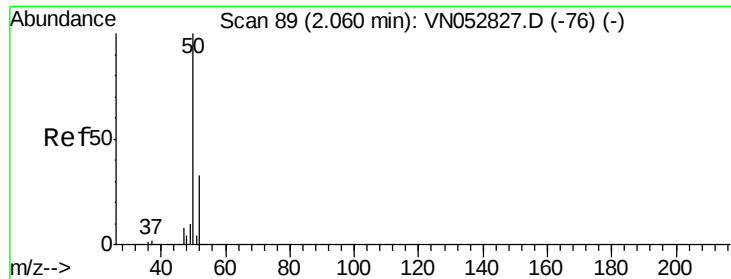
500000

0

1.80 1.85 1.90 2.00

Time-->





#3

Chloromethane

Concen: 151.887 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1932336

Ion Ratio Lower Upper

50 100

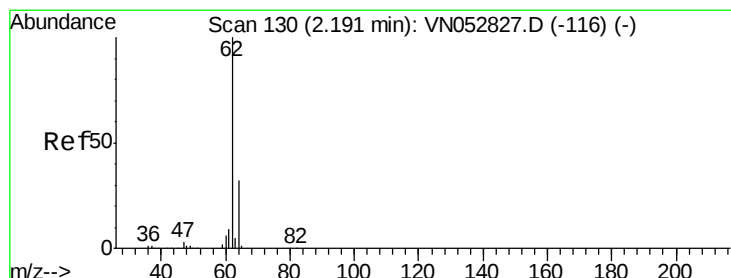
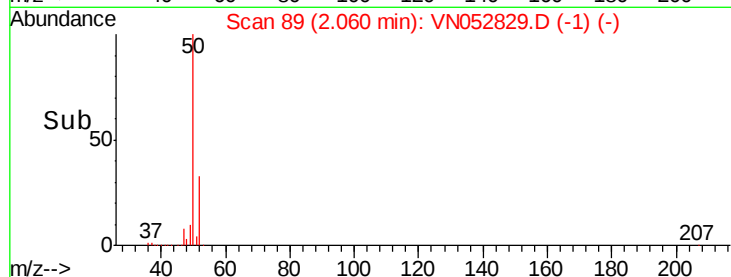
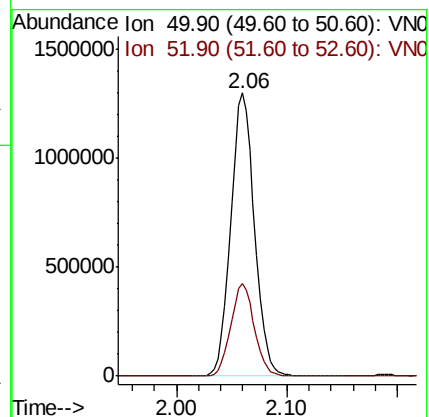
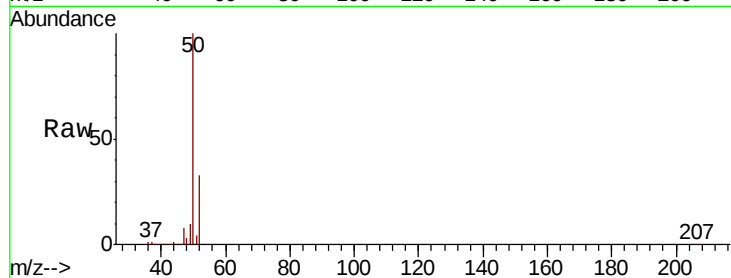
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 151.261 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052829.D

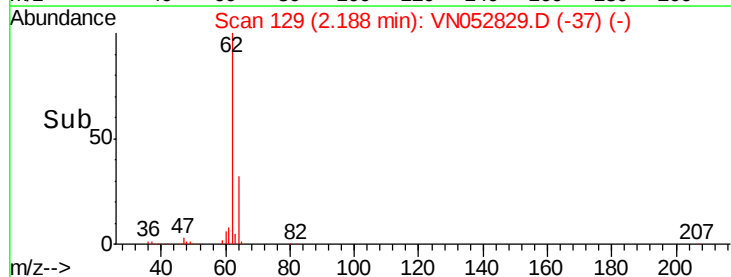
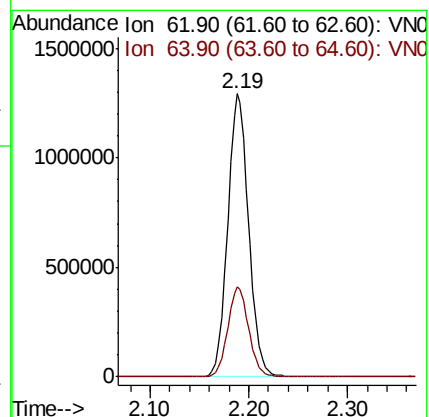
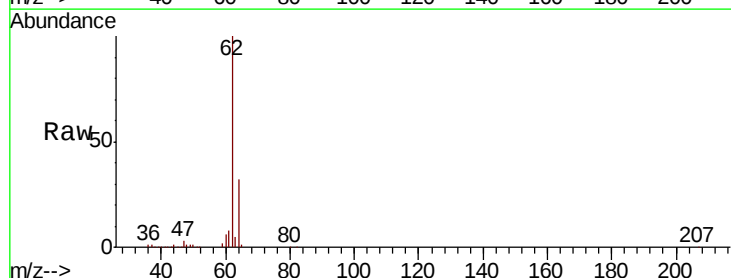
Acq: 12 Dec 2018 16:05

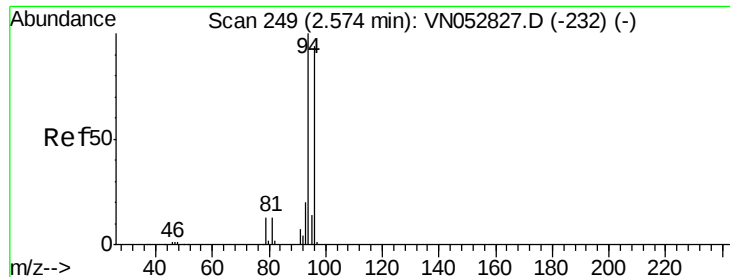
Tgt Ion: 62 Resp: 1925234

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 149.656 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.02 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1174853

Ion Ratio Lower Upper

94 100

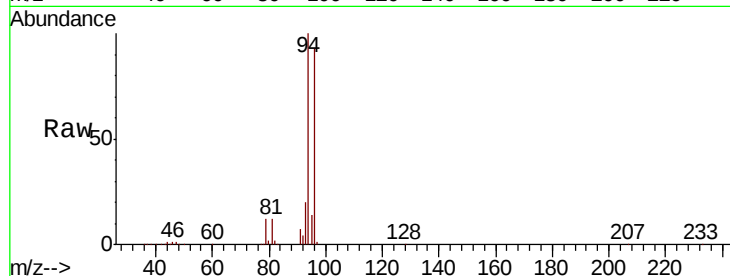
96 93.3 75.0 112.4

Manual Integrations

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12/13/2018 1:36:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

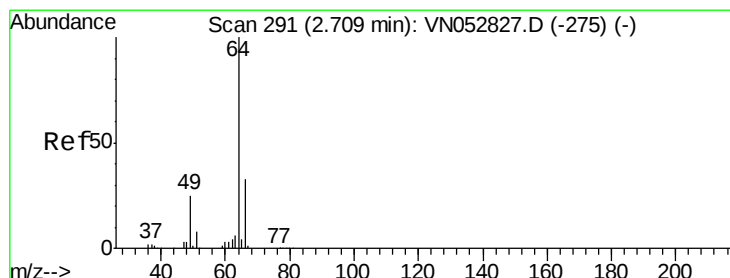
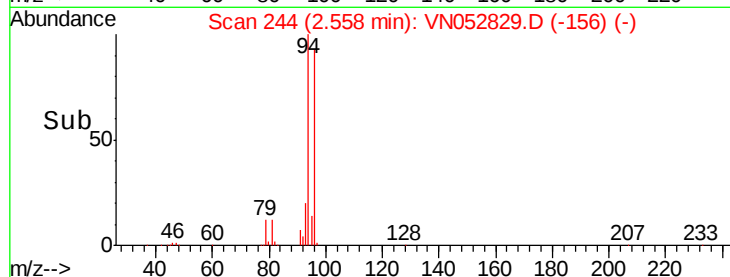
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 148.916 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052829.D

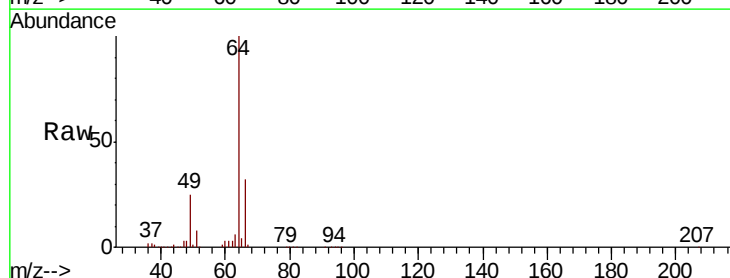
Acq: 12 Dec 2018 16:05

Tgt Ion: 64 Resp: 1120337

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

600000

500000

400000

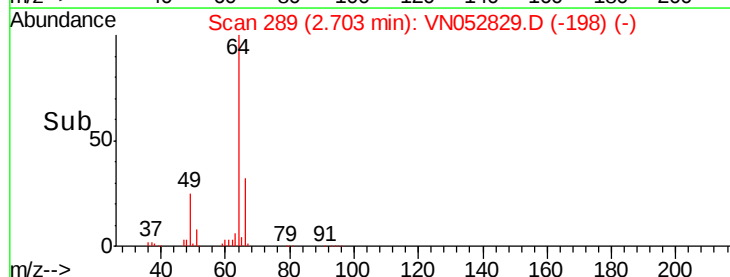
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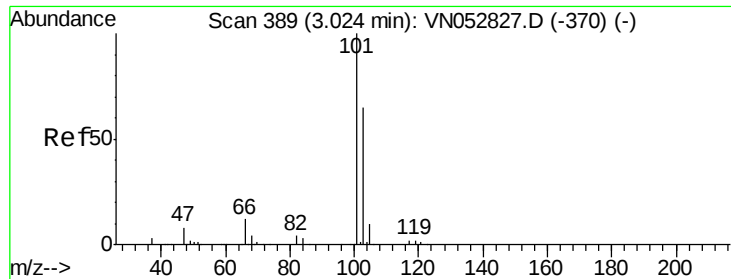
200000

100000

0

Time-->





#7

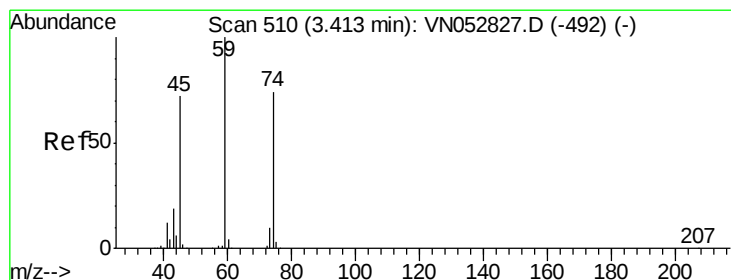
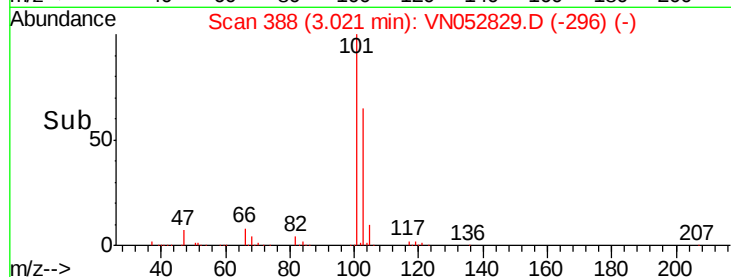
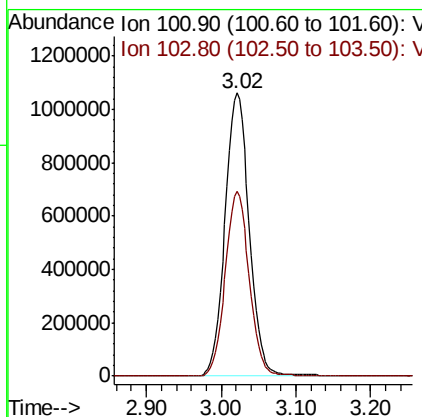
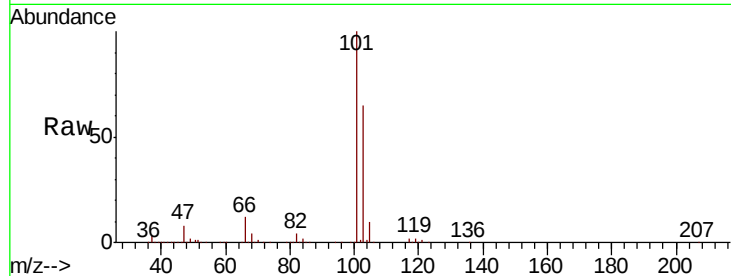
Trichlorofluoromethane
Concen: 150.655 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 2377325
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6

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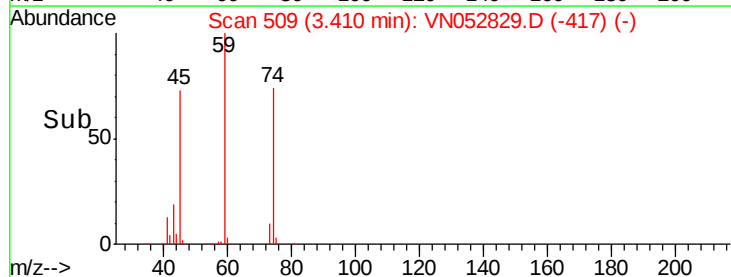
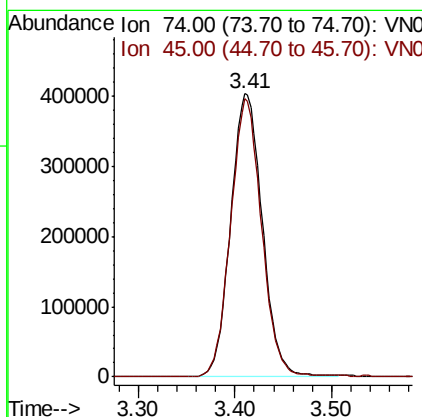
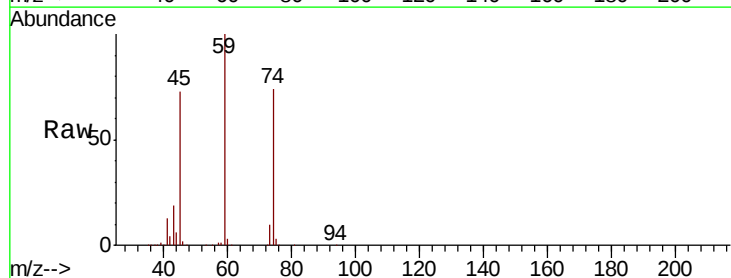
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12/13/2018 1:36:20 PM

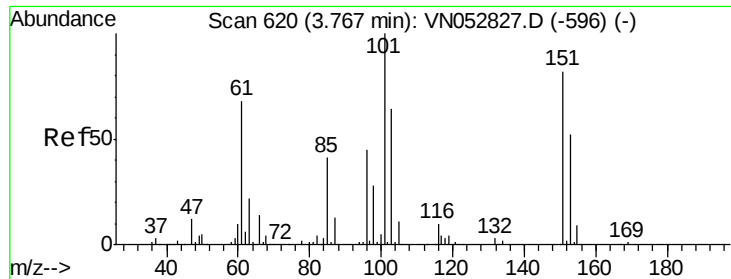


#8

Diethyl Ether
Concen: 159.265 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 74 Resp: 916754
Ion Ratio Lower Upper
74 100
45 96.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.465 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1471521

Ion Ratio Lower Upper

101 100

85 41.6 33.6 50.4

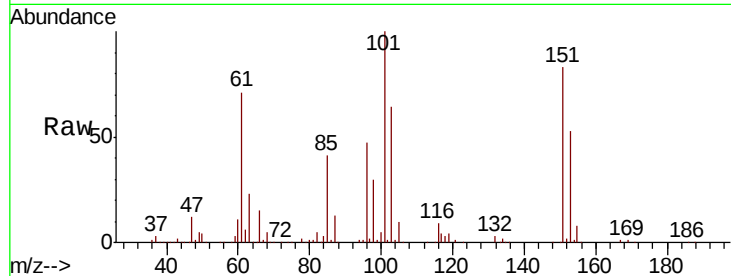
151 83.4 65.5 98.3

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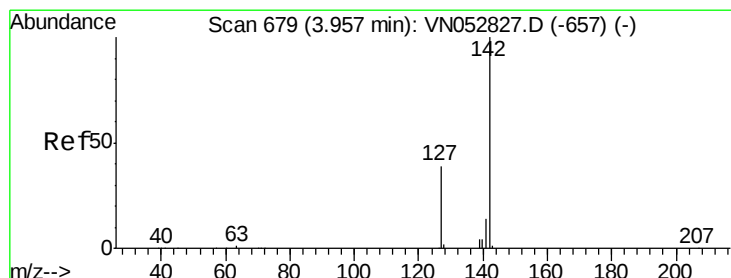
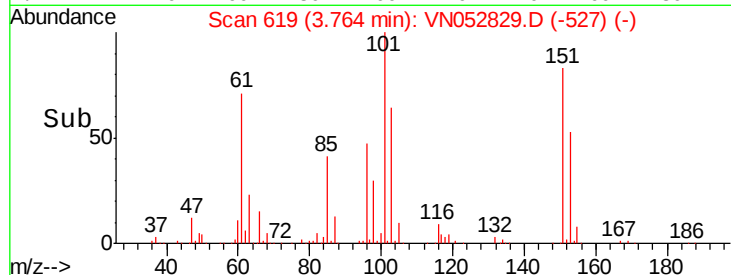
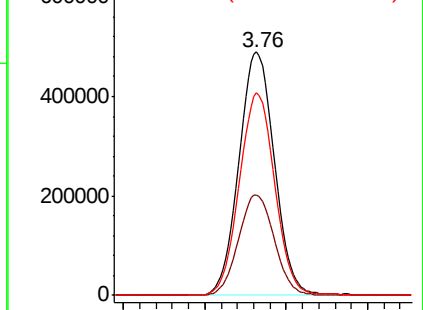
12/13/2018 1:36:20 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 165.746 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

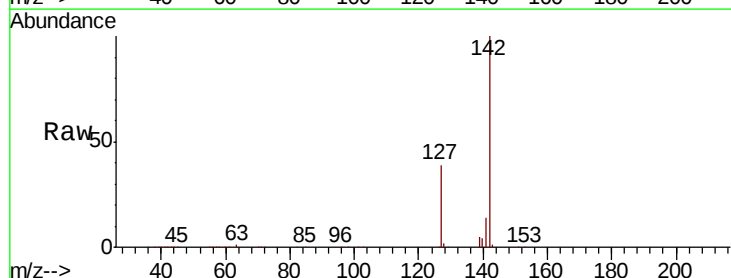
Tgt Ion:142 Resp: 2270067

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.6

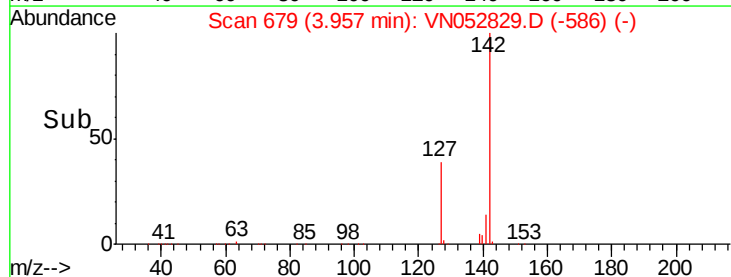
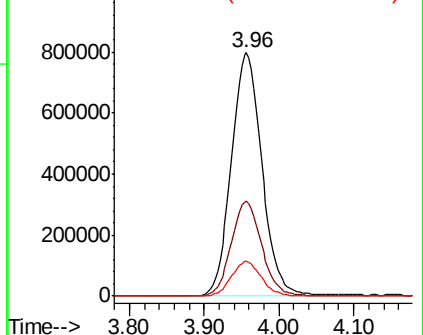
141 14.1 11.2 16.8

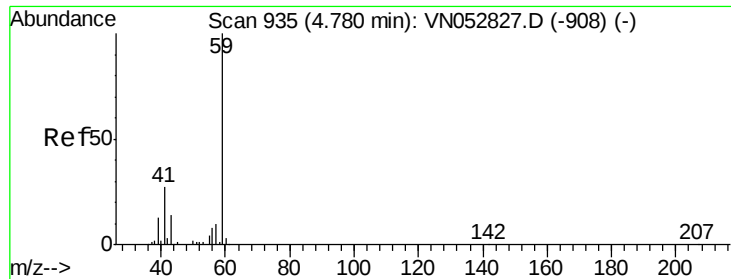


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

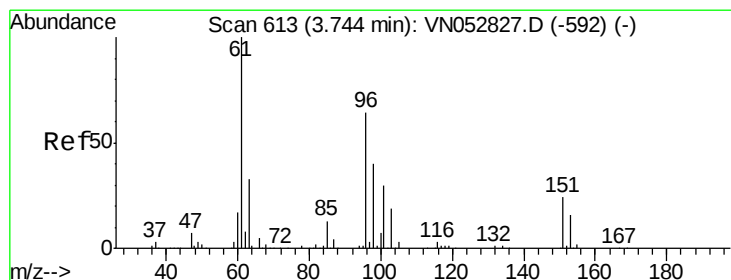
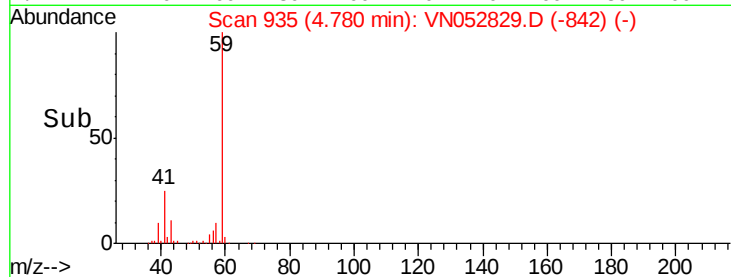
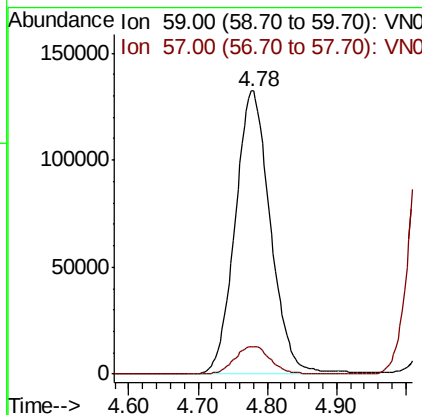
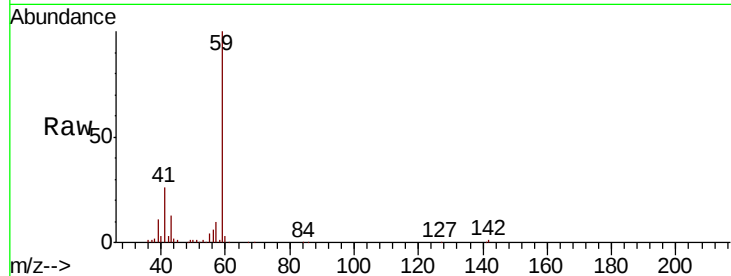
Tert butyl alcohol
 Concen: 764.862 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 467928
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

Manual Integrations
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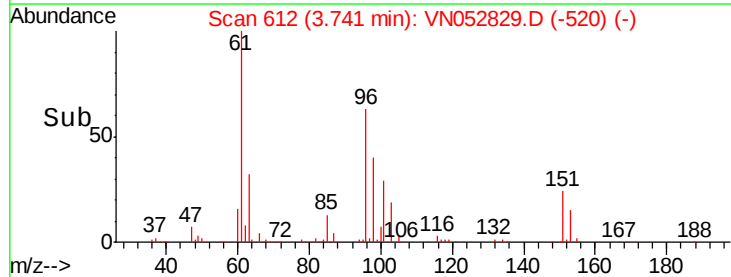
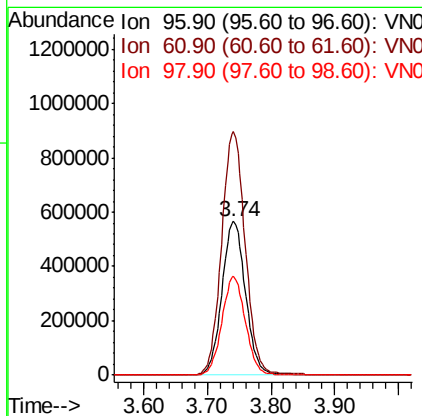
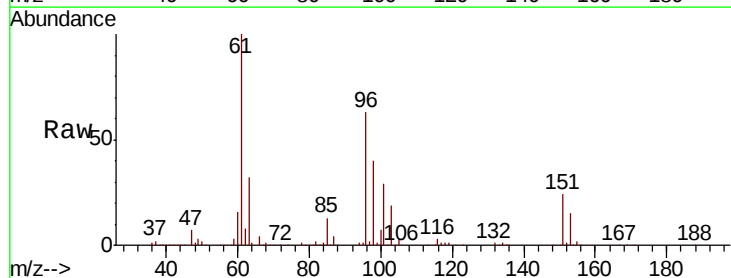
MMDadoda
 12/13/2018 1:36:20 PM

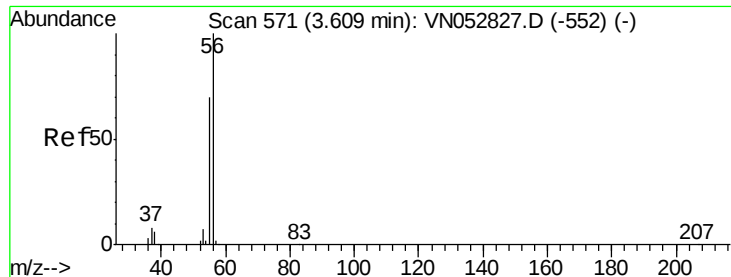


#12

1,1-Dichloroethene
 Concen: 154.179 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion: 96 Resp: 1459662
 Ion Ratio Lower Upper
 96 100
 61 158.3 125.6 188.4
 98 64.1 50.6 75.8





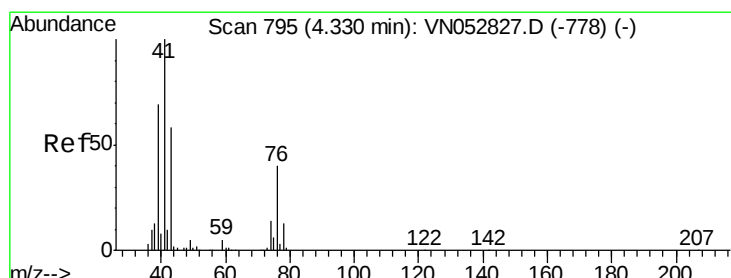
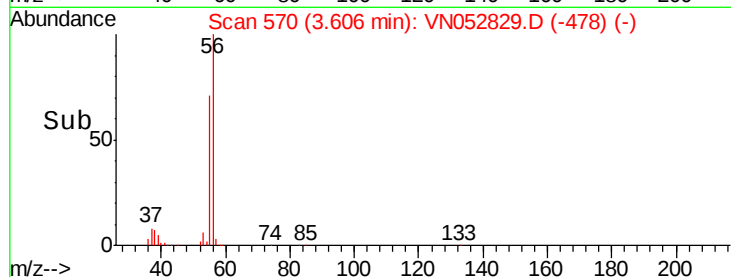
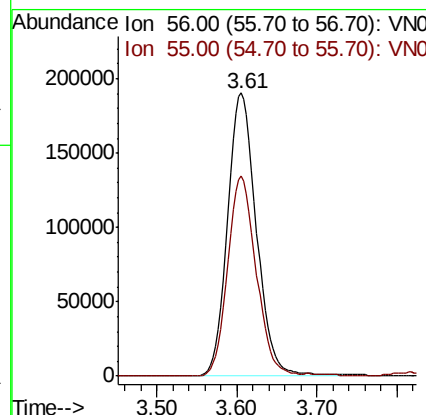
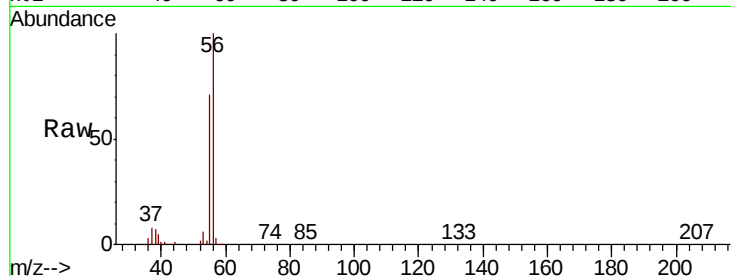
#13
Acrolein
Concen: 818.560 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	471488
Ion Ratio	100	Lower	Upper
56	100		
55	69.4	56.6	85.0

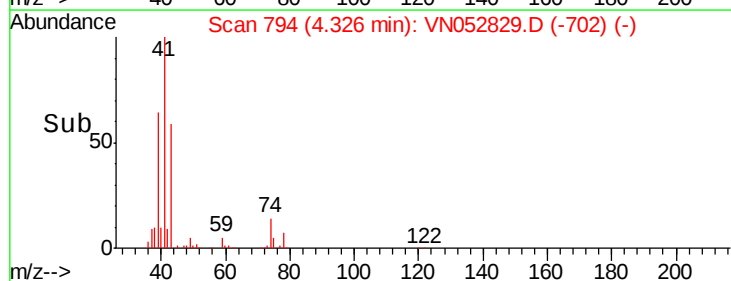
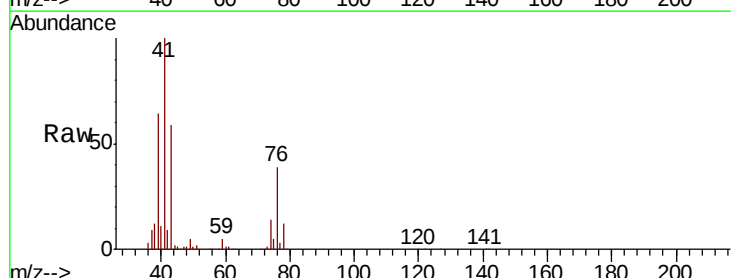
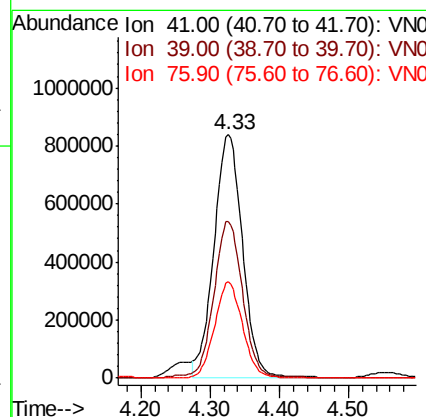
Manual Integrations
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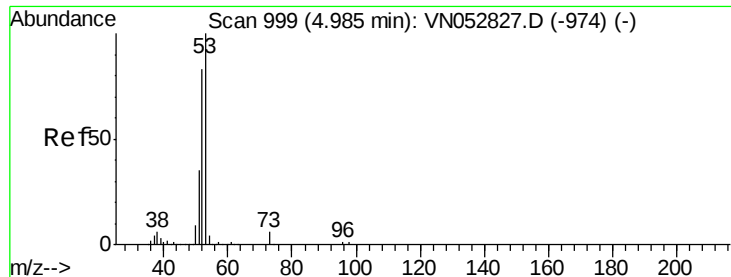
MMDadoda
12/13/2018 1:36:20 PM



#14
Allyl chloride
Concen: 155.986 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	41	Resp	2412087
Ion Ratio	100	Lower	Upper
41	100		
39	65.4	54.1	81.1
76	38.1	30.3	45.5





#15

Acrylonitrile

Concen: 792.984 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2721635

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

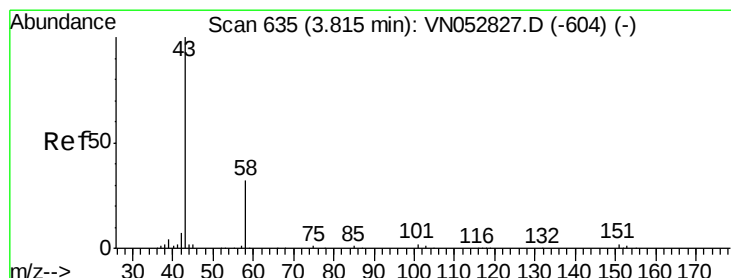
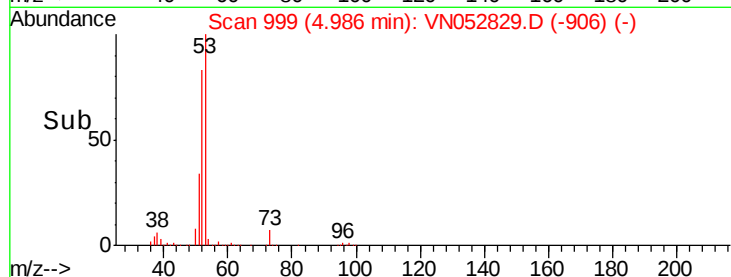
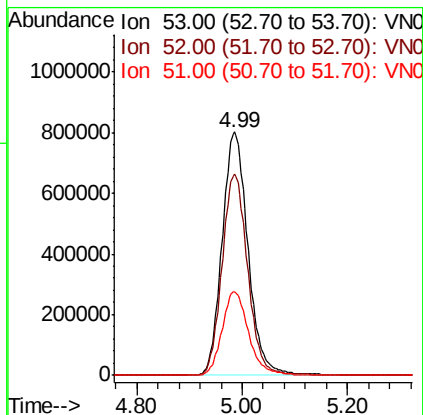
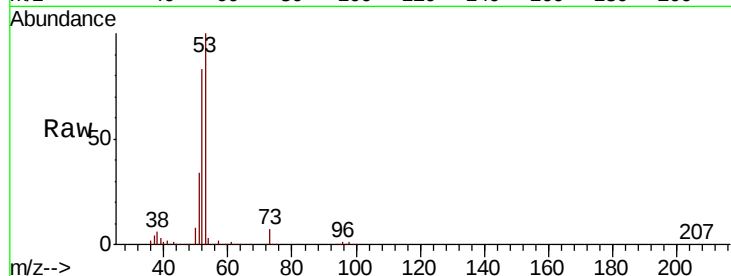
51 35.4 28.1 42.1

Manual Integrations

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#16

Acetone

Concen: 733.403 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052829.D

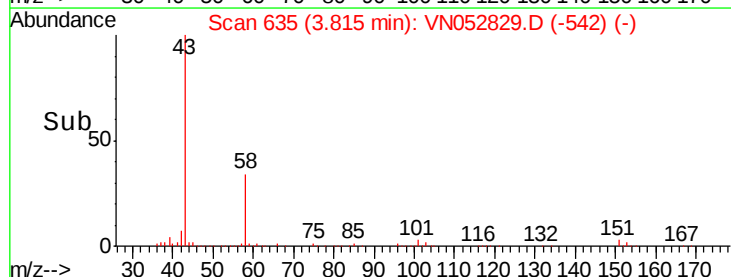
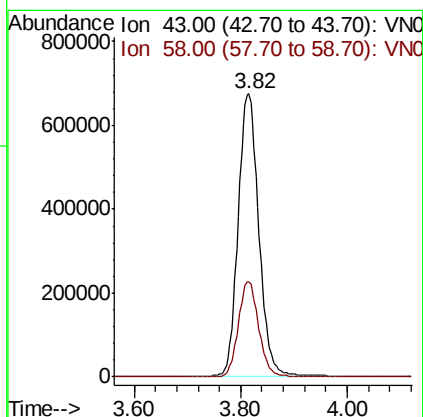
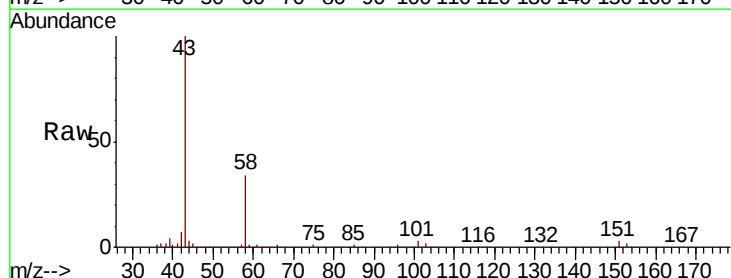
Acq: 12 Dec 2018 16:05

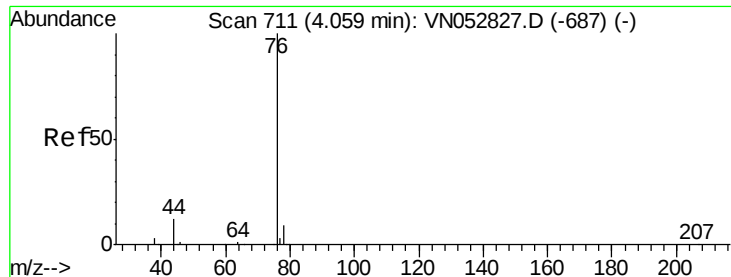
Tgt Ion: 43 Resp: 1803488

Ion Ratio Lower Upper

43 100

58 33.7 25.4 38.0





#17

Carbon Disulfide

Concen: 155.935 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 4535120

Ion Ratio Lower Upper

76 100

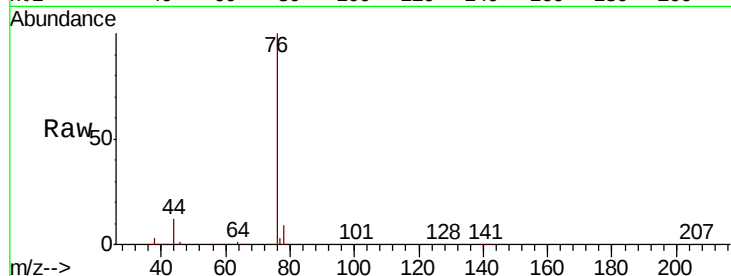
78 9.3 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN052829.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052829.D (-618) (-)

2000000

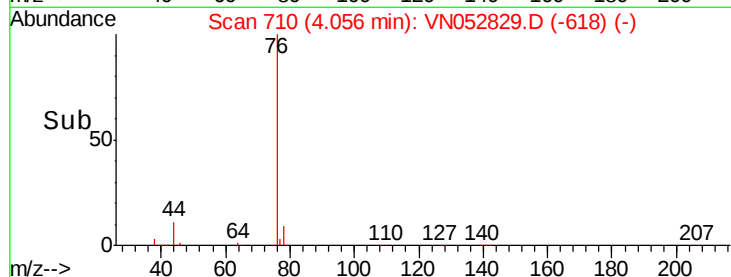
1500000

1000000

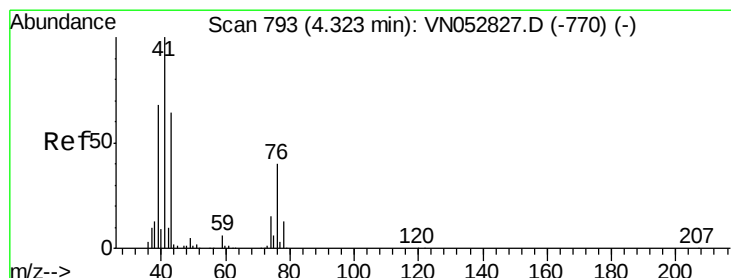
500000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 160.113 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052829.D

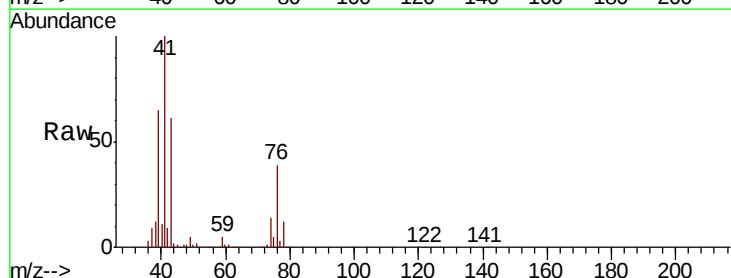
Acq: 12 Dec 2018 16:05

Tgt Ion: 43 Resp: 1444992

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052829.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052829.D (-700) (-)

600000

500000

400000

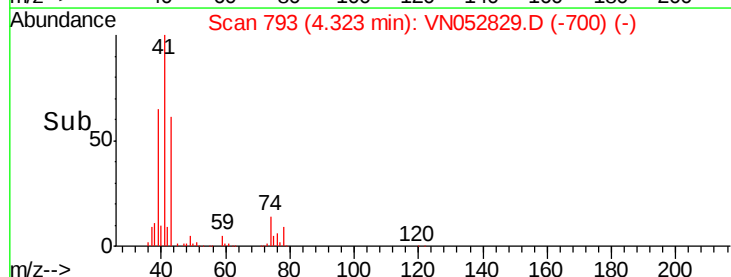
300000

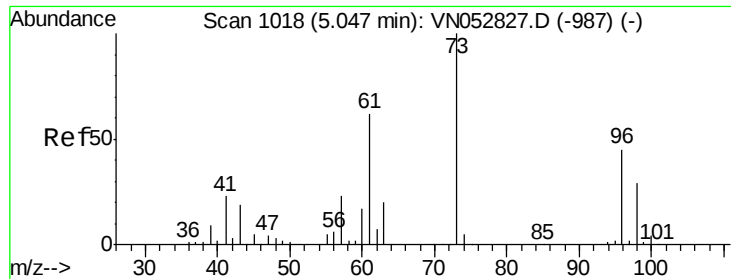
200000

100000

0

Time-->





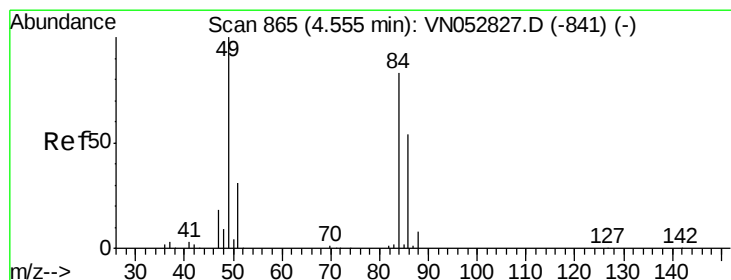
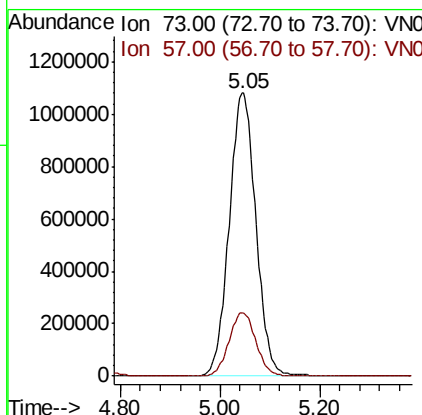
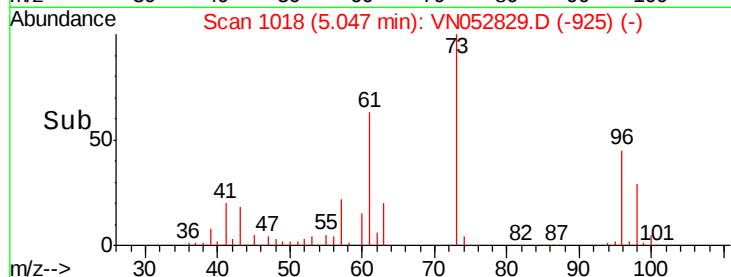
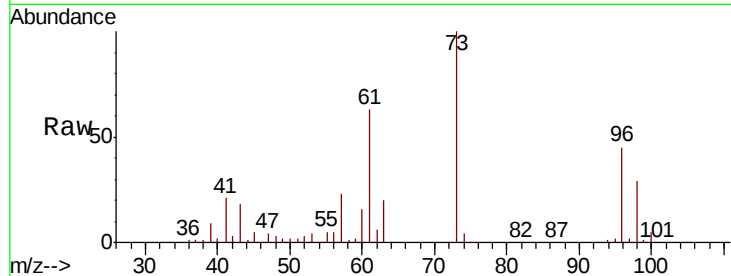
#19
Methvl tert-butvl Ether
Concen: 156.477 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 4021735
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

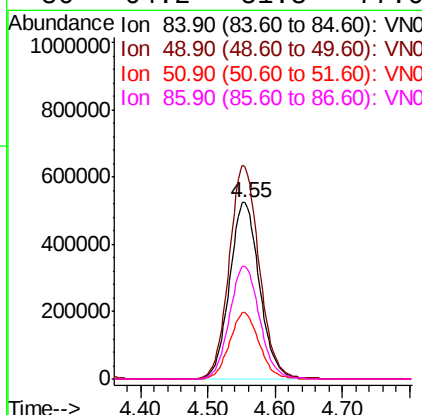
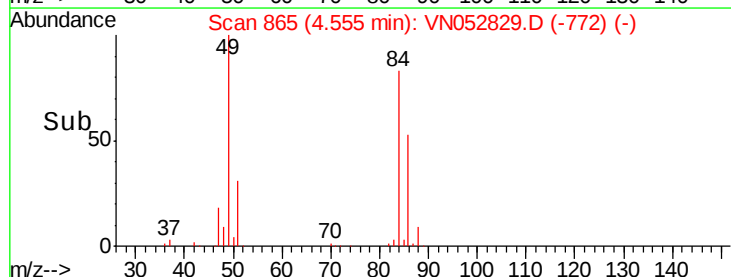
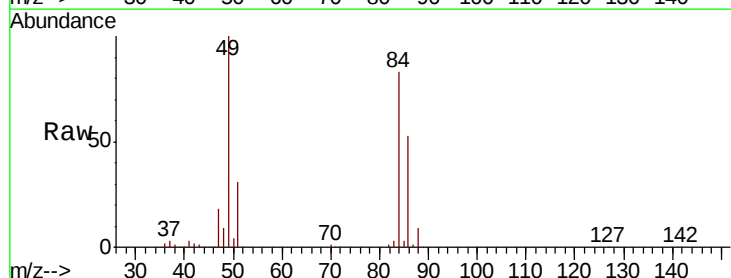
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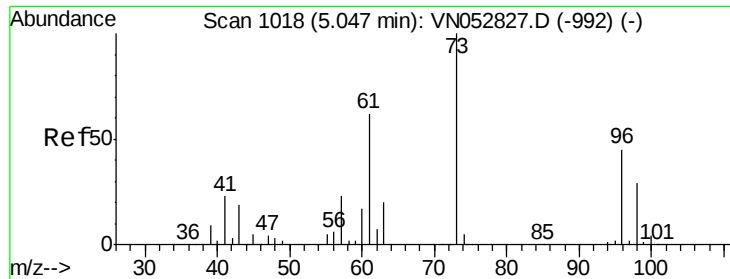
MMDadoda
12/13/2018 1:36:20 PM



#20
Methylene Chloride
Concen: 147.111 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 84 Resp: 1627985
Ion Ratio Lower Upper
84 100
49 120.2 96.8 145.2
51 37.7 29.9 44.9
86 64.2 51.8 77.6





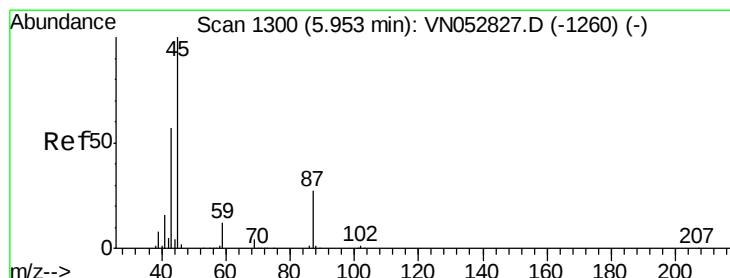
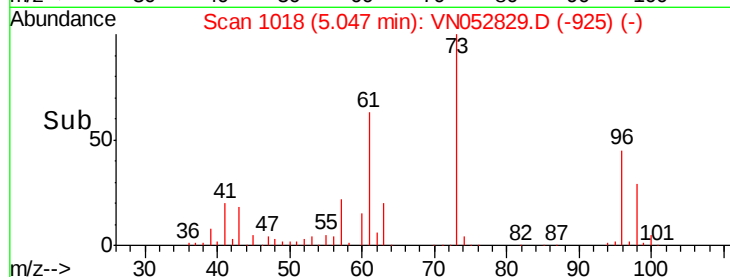
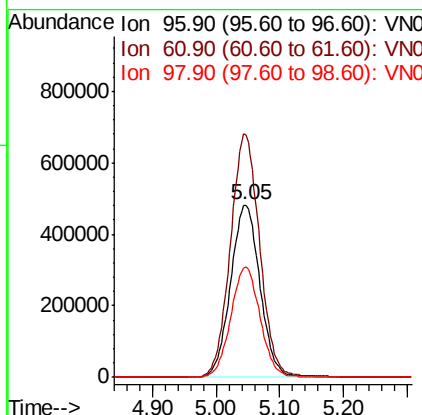
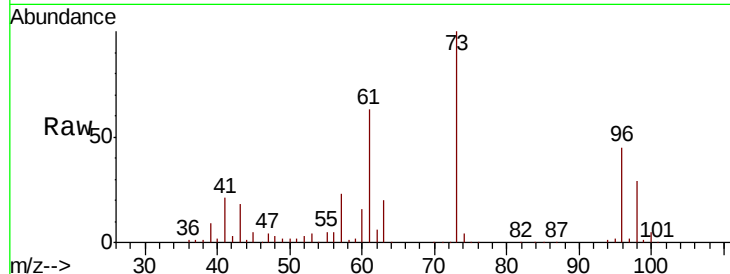
#21
trans-1,2-Dichloroethene
Concen: 151.104 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1549859
Ion Ratio Lower Upper
96 100
61 140.6 110.8 166.2
98 64.0 51.4 77.2

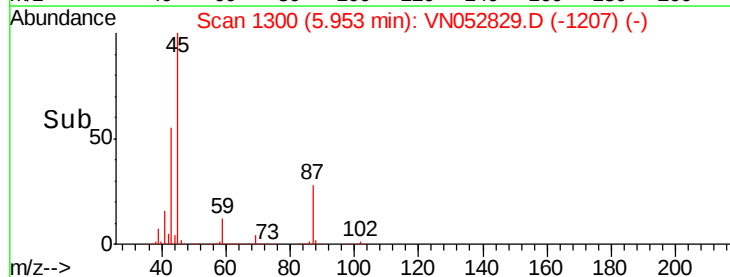
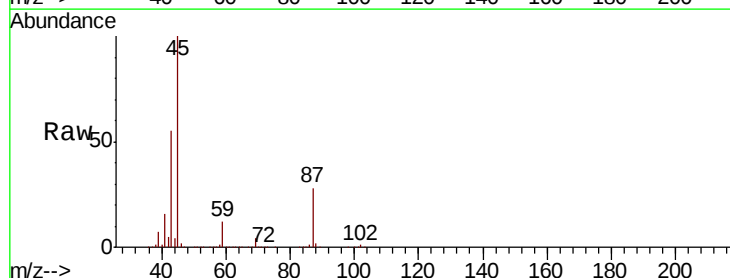
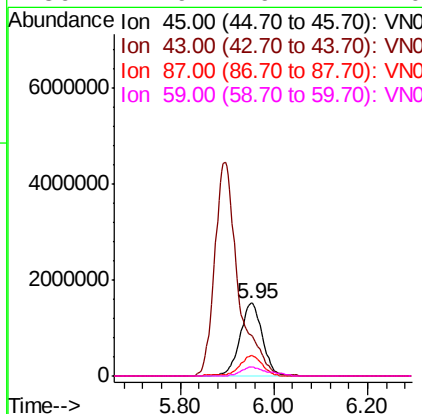
Manual Integrations
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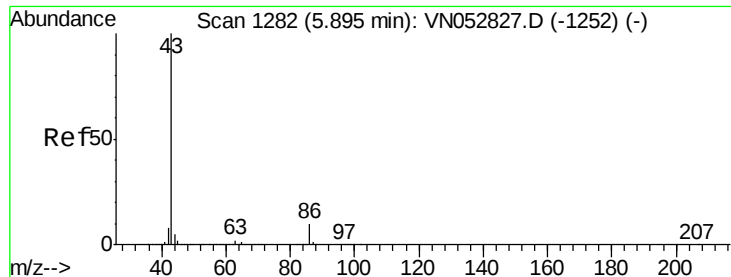
MMDadoda
12/13/2018 1:36:20 PM



#22
Diisopropyl ether
Concen: 152.824 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 45 Resp: 5041540
Ion Ratio Lower Upper
45 100
43 54.5 45.5 68.3
87 27.5 22.0 33.0
59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 788.039 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:15469055

Ion Ratio Lower Upper

43 100

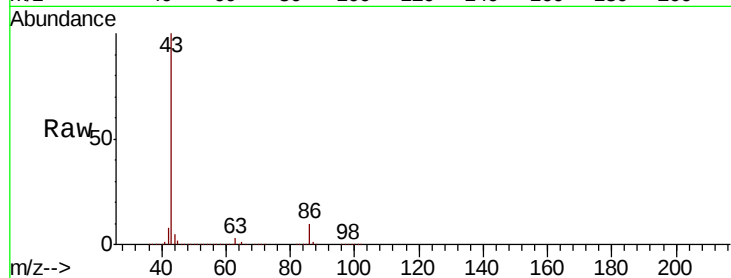
86 10.4 8.1 12.1

Manual Integrations

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MMDadoda

12/13/2018 1:36:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)

5.90

4000000

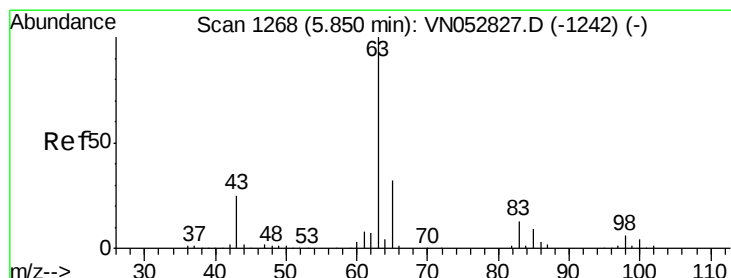
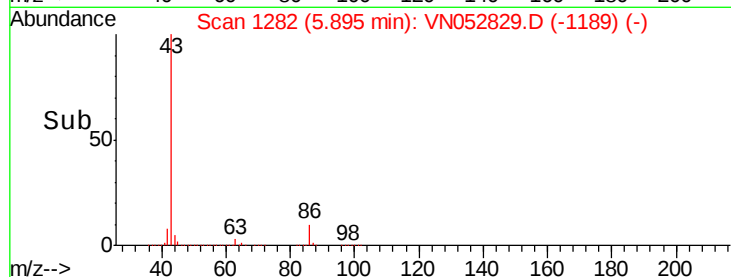
3000000

2000000

1000000

0

Time-->



#24

1,1-Dichloroethane

Concen: 153.220 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

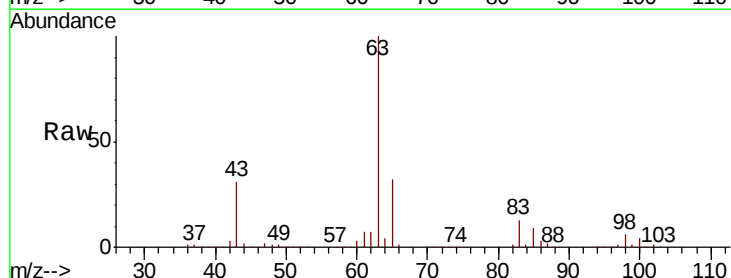
Tgt Ion: 63 Resp: 2914848

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)

5.85

1200000

1000000

800000

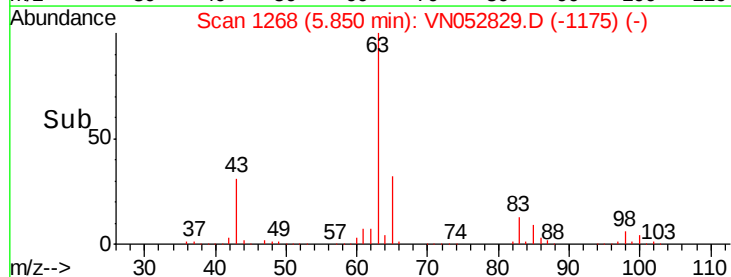
600000

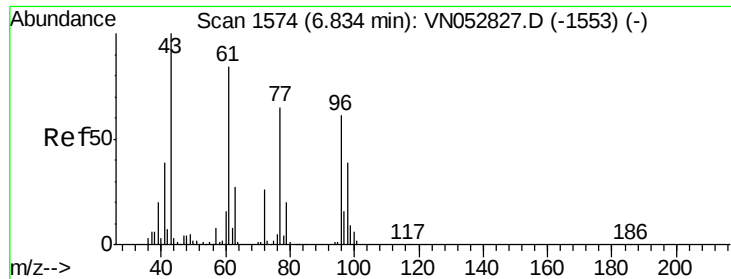
400000

200000

0

Time-->





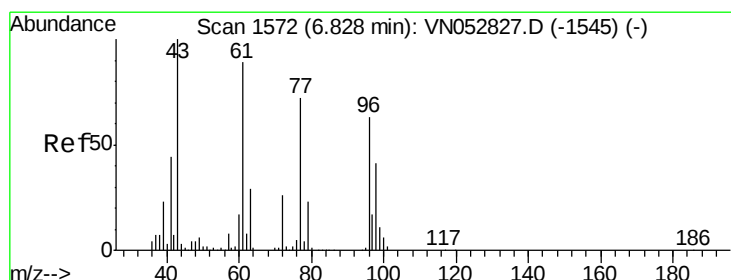
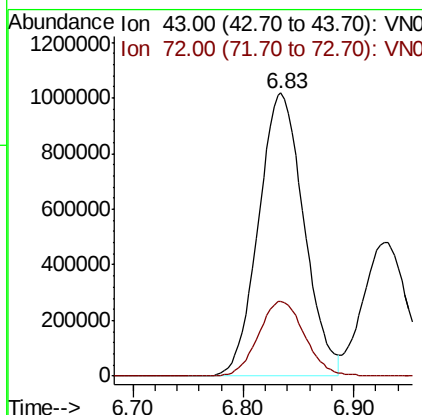
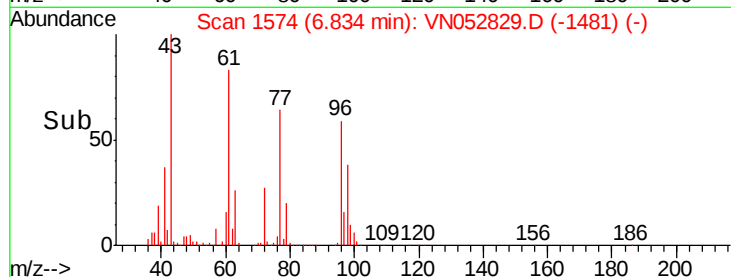
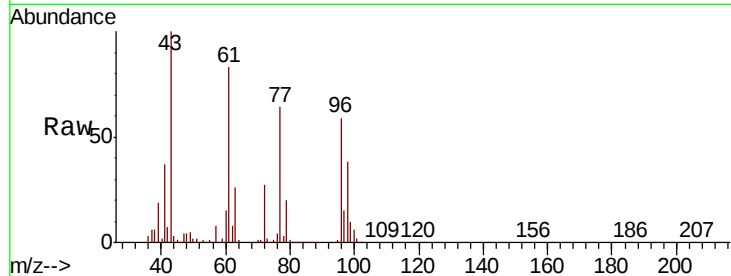
#25
2-Butanone
Concen: 756.800 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2887650
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.6

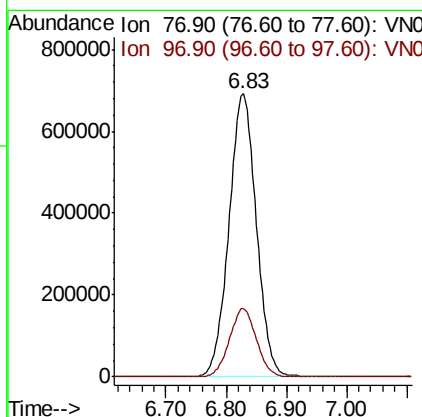
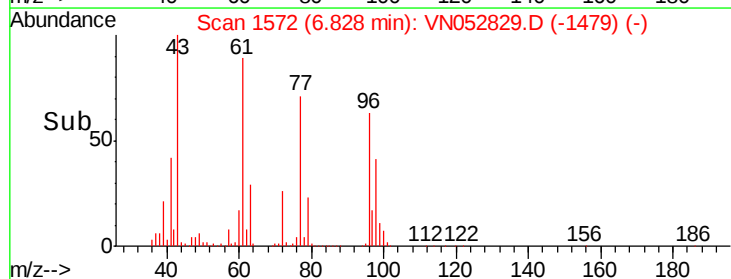
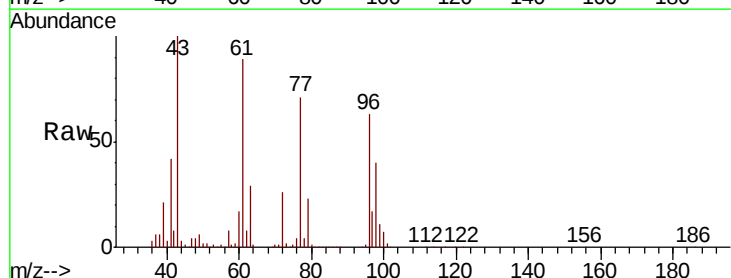
Manual Integrations
APPROVED

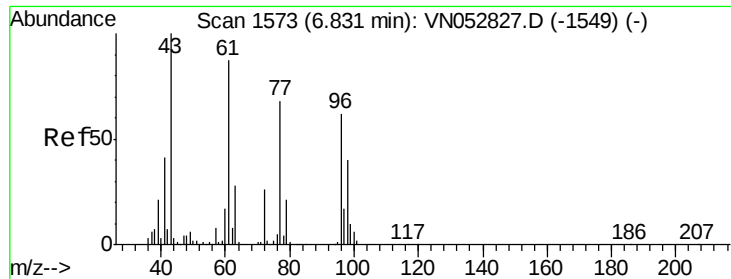
MMDadoda
12/13/2018 1:36:20 PM



#26
2,2-Dichloropropane
Concen: 156.570 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 77 Resp: 2193459
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.9





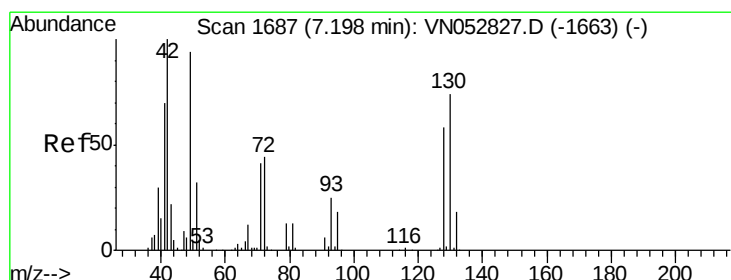
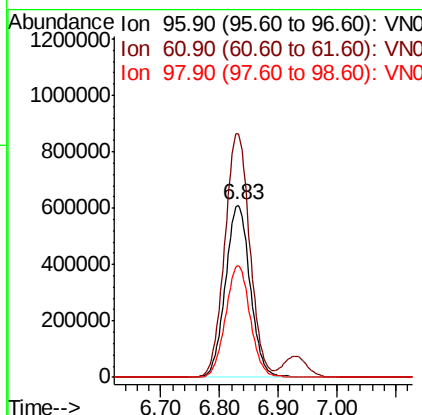
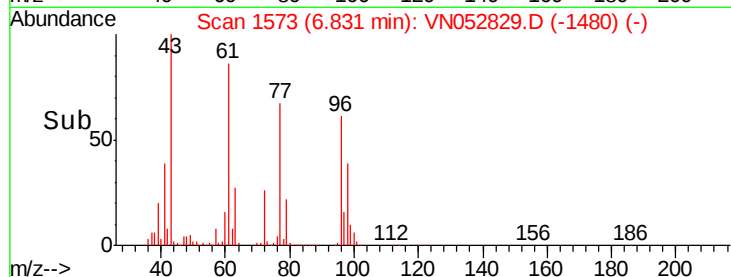
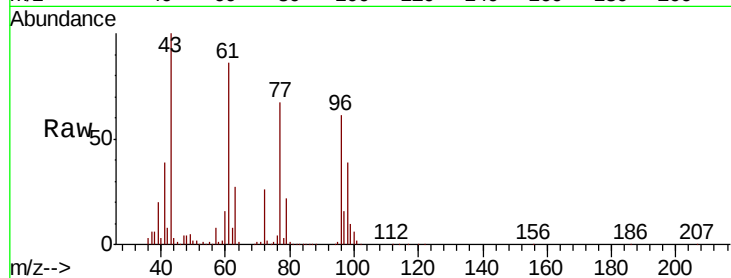
#27
 cis-1,2-Dichloroethene
 Concen: 153.999 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	284.2
98	64.6	0.0	129.2

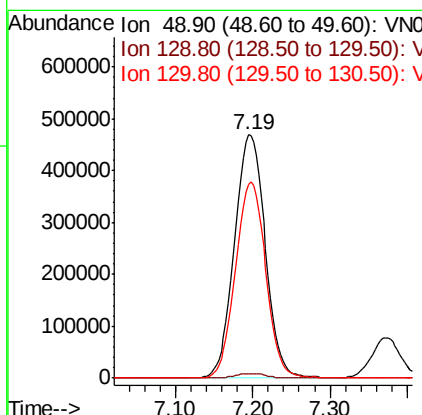
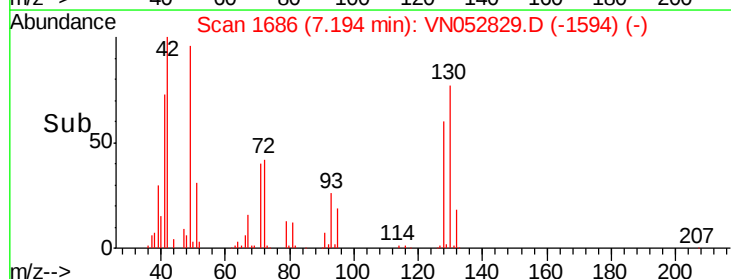
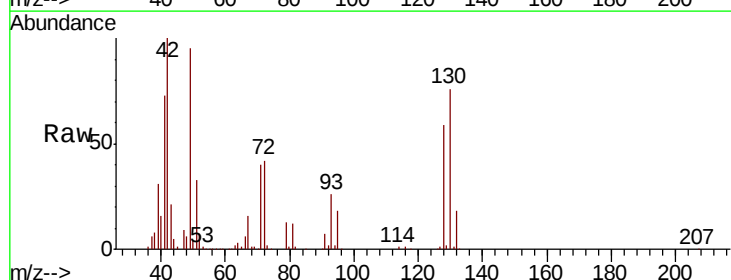
Manual Integrations
 APPROVED

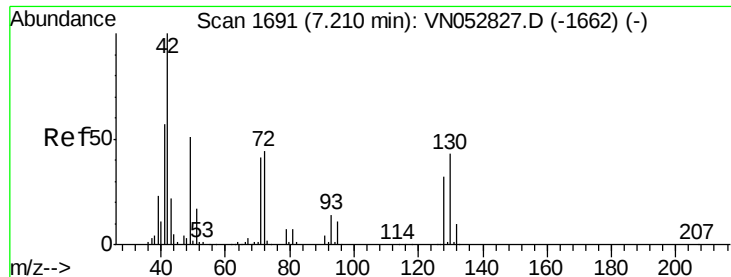
MMDadoda
 12/13/2018 1:36:20 PM



#28
 Bromochloromethane
 Concen: 151.938 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	79.2	63.3	94.9





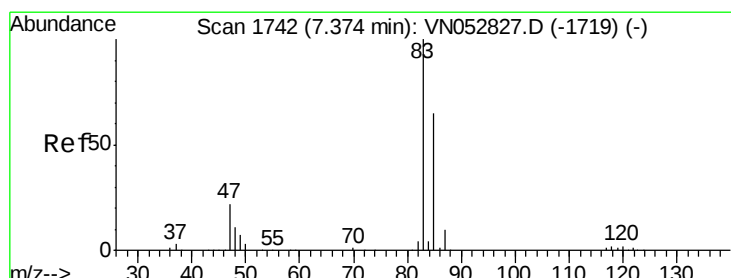
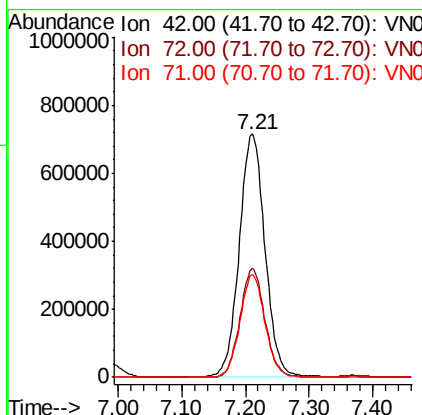
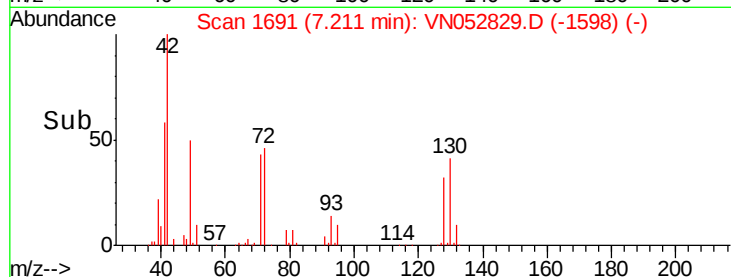
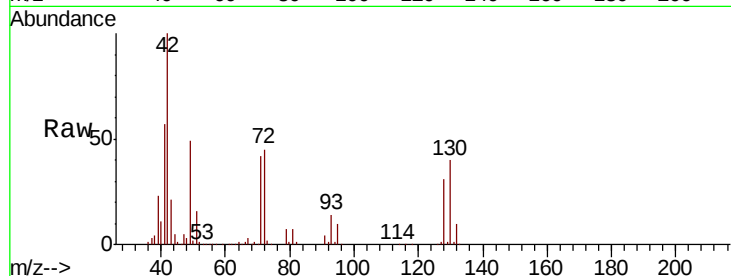
#29
Tetrahydrofuran
Concen: 773.715 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 2015419
Ion Ratio Lower Upper
42 100
72 43.3 34.7 52.1
71 40.9 32.3 48.5

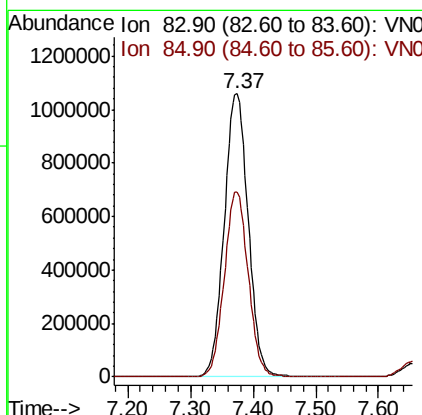
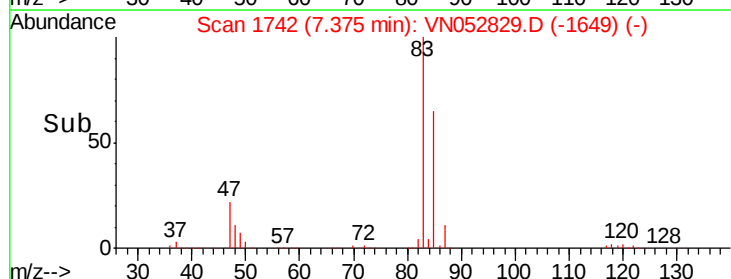
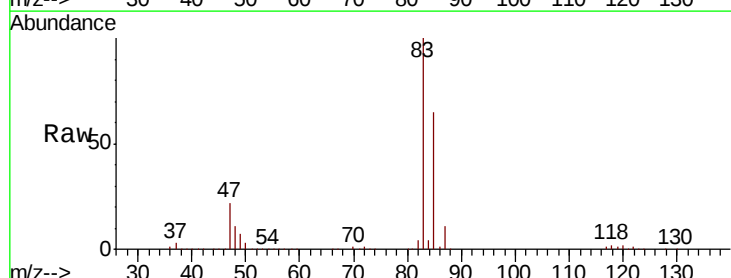
Manual Integrations
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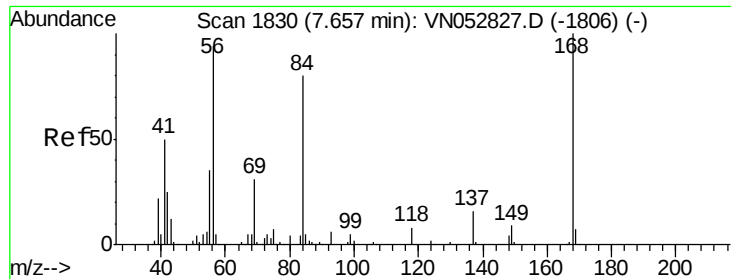
MMDadoda
12/13/2018 1:36:20 PM



#30
Chloroform
Concen: 151.560 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 83 Resp: 2811653
Ion Ratio Lower Upper
83 100
85 65.4 52.1 78.1





#31

Cyclohexane

Concen: 130.191 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2761420

Ion Ratio Lower Upper

56 100

69 30.5 26.6 39.8

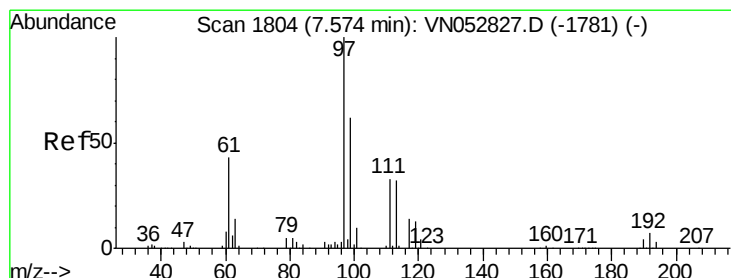
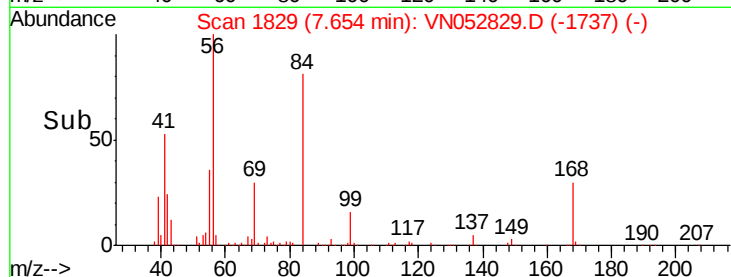
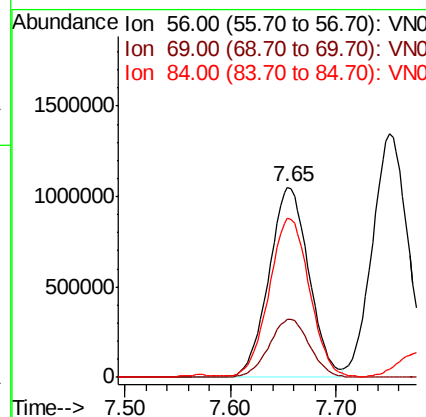
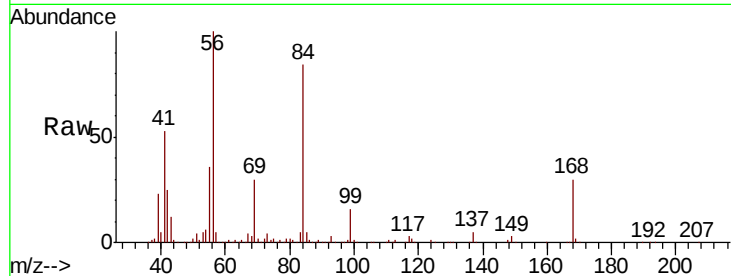
84 82.5 68.4 102.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 155.423 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

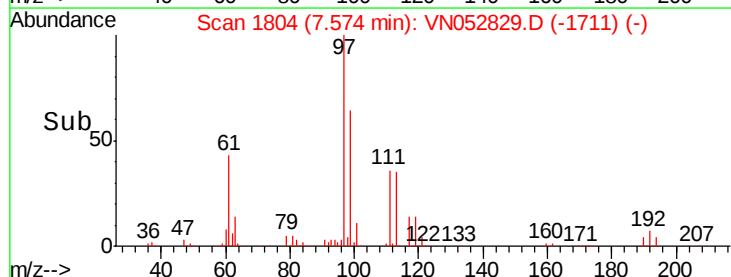
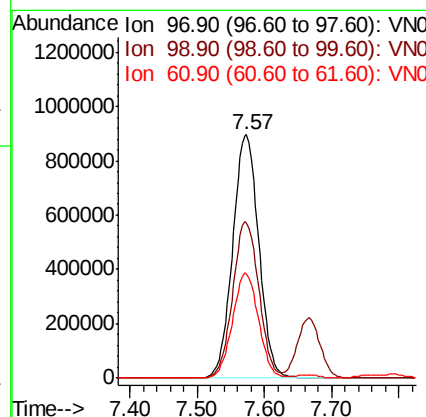
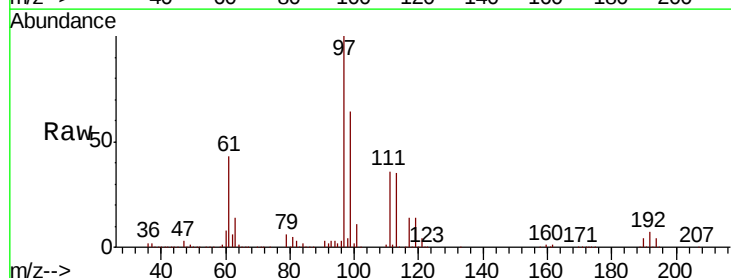
Tgt Ion: 97 Resp: 2412396

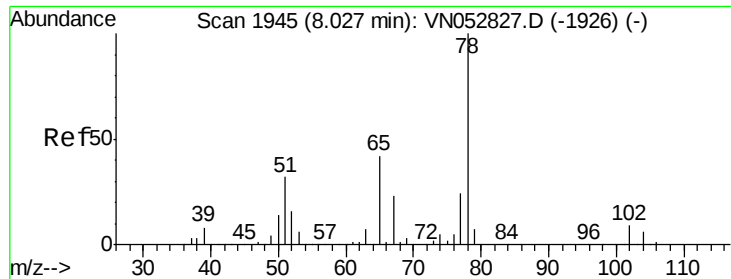
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.1 35.0 52.6





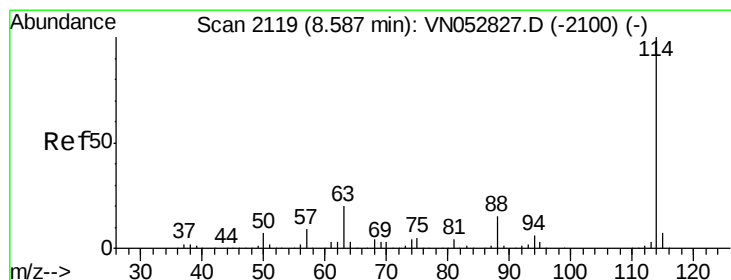
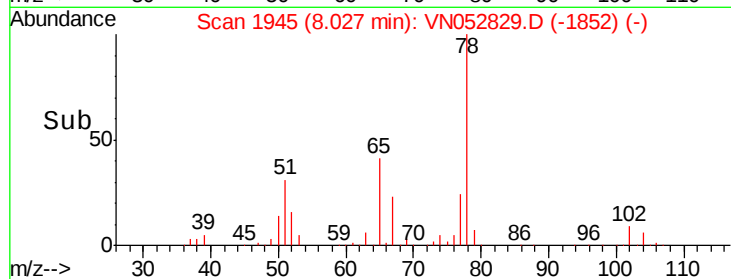
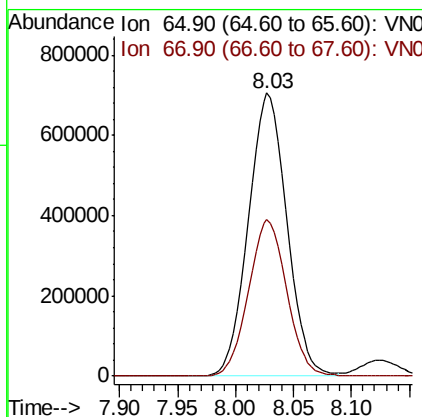
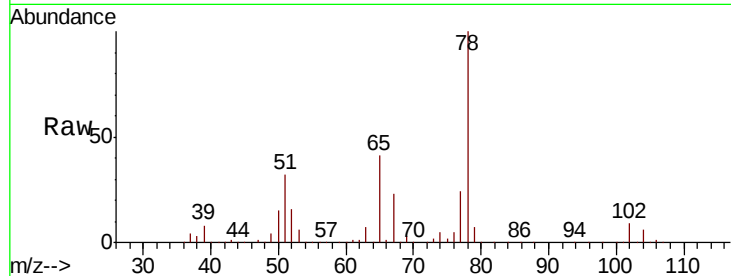
#33
 1,2-Dichloroethane-d4
 Concen: 155.423 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1631118
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4

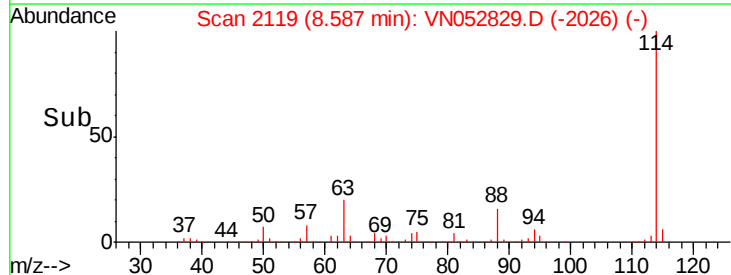
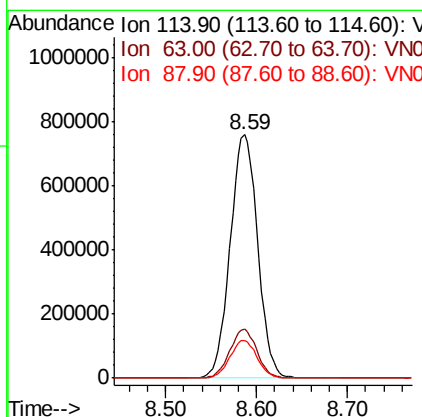
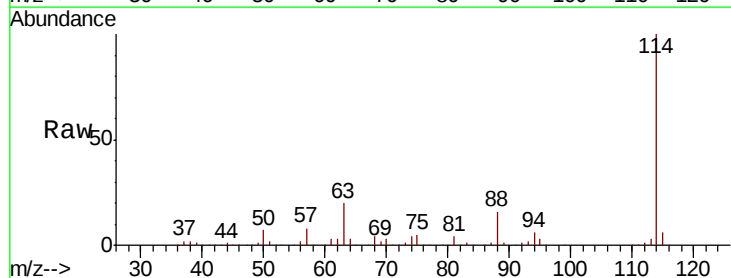
Manual Integrations
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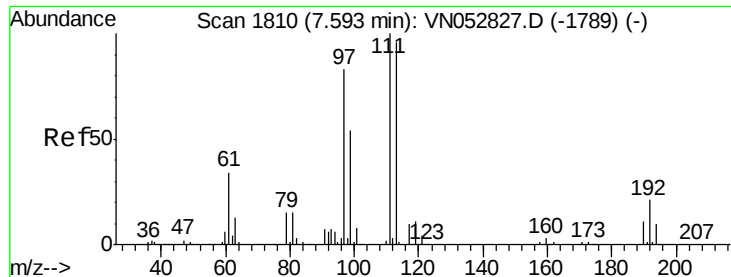
MMDadoda
 12/13/2018 1:36:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion: 114 Resp: 1592747
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.0





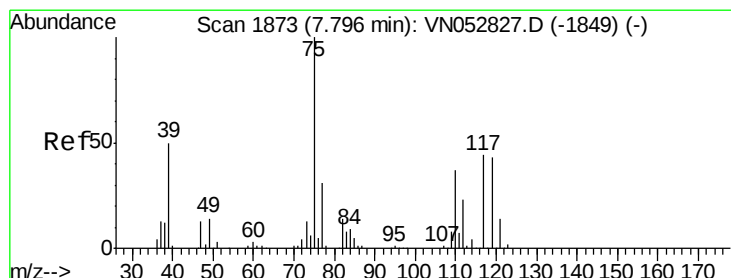
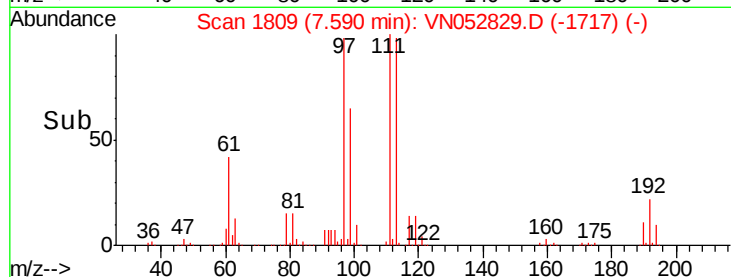
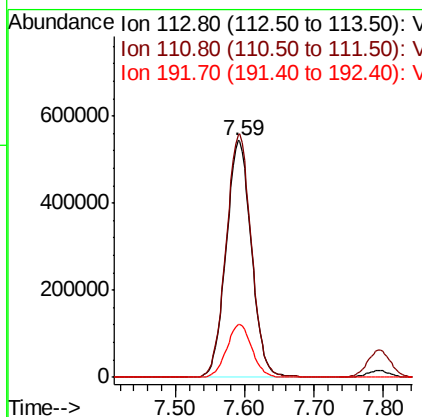
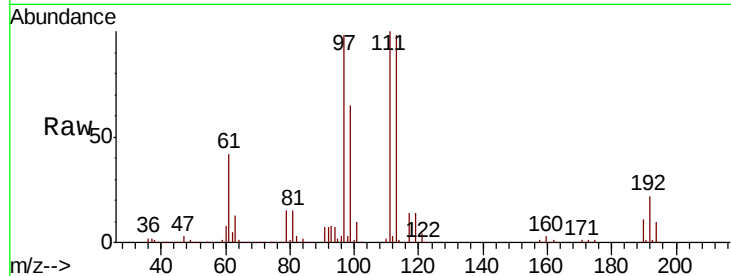
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	22.2	17.5	26.3

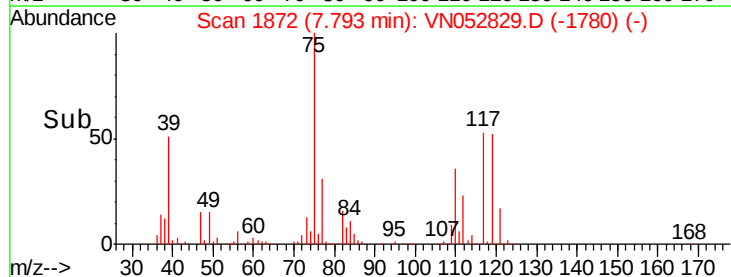
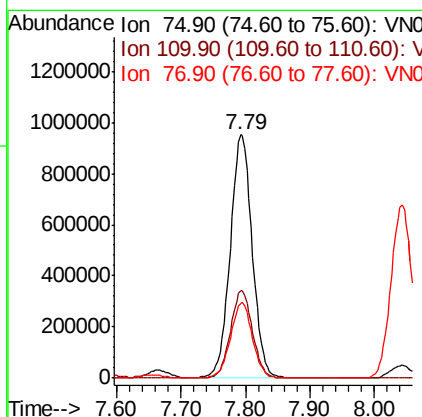
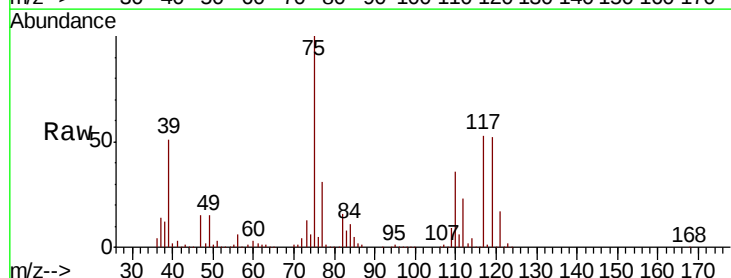
Manual Integrations
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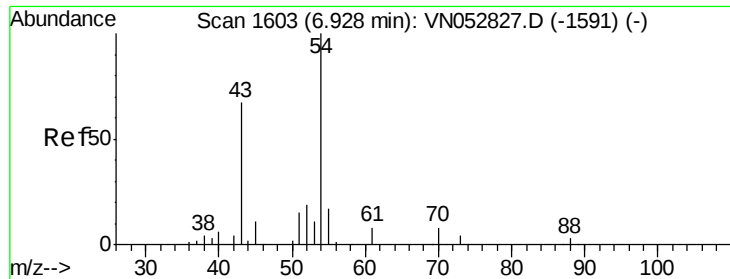
MMDadoda
12/13/2018 1:36:20 PM



#36
1,1-Dichloropropene
Concen: 153.811 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.2	54.6
77	30.9	24.9	37.3





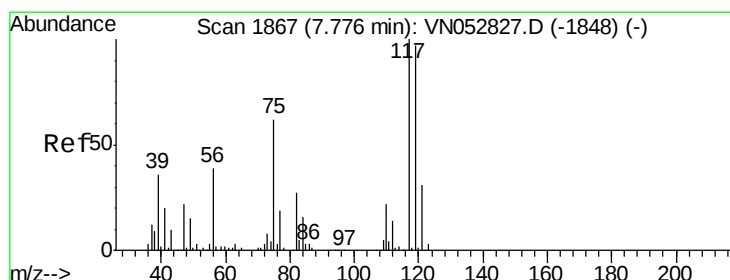
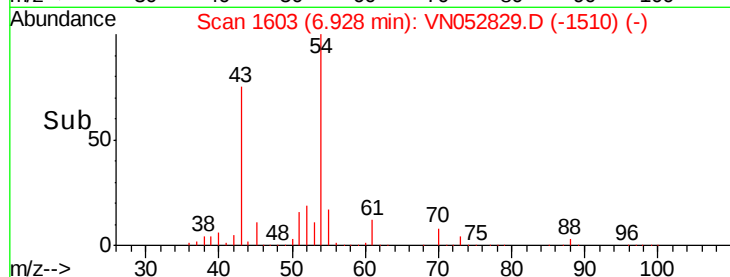
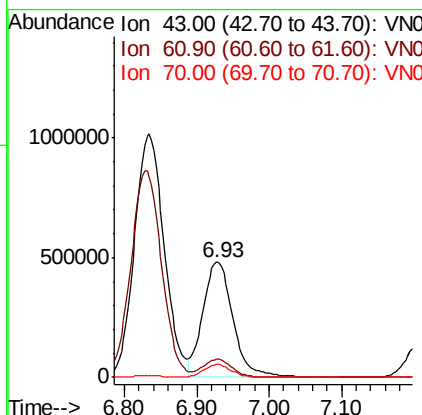
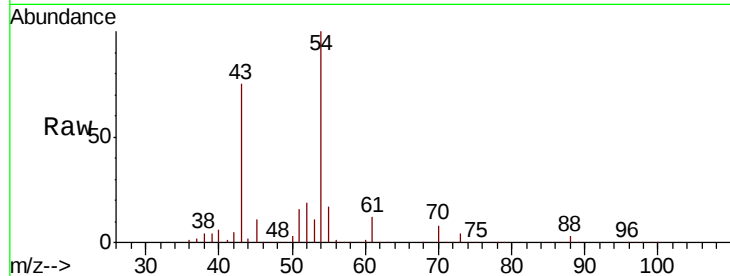
#37
Ethyl Acetate
Concen: 156.433 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1378339
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 10.5 8.4 12.6

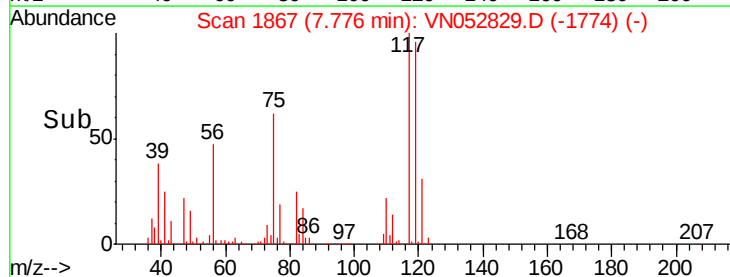
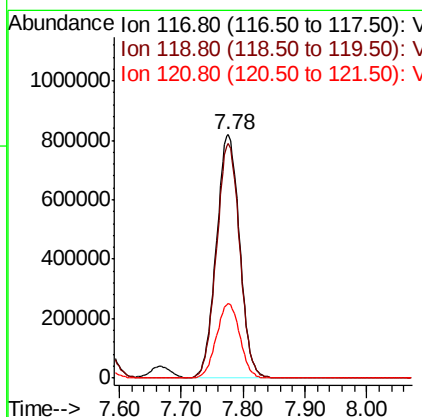
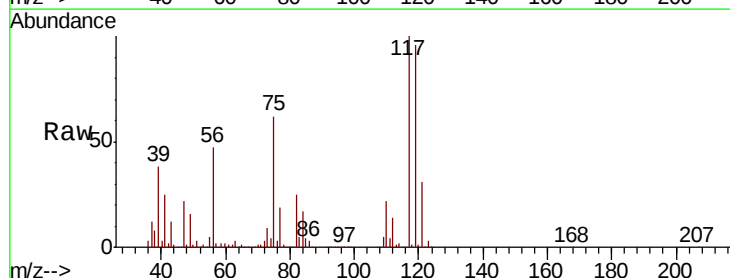
Manual Integrations
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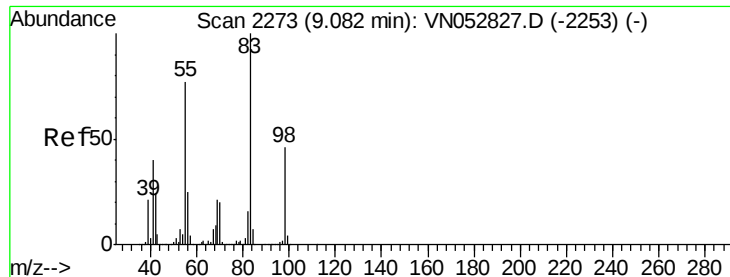
MMDadoda
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#38
Carbon Tetrachloride
Concen: 158.017 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 117 Resp: 2133281
Ion Ratio Lower Upper
117 100
119 96.3 77.1 115.7
121 30.7 24.9 37.3





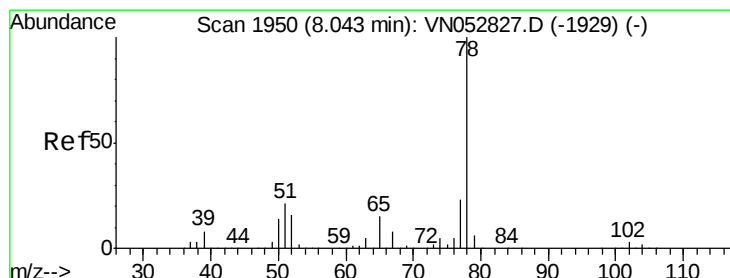
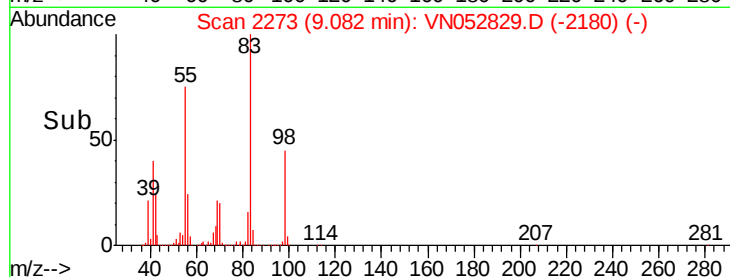
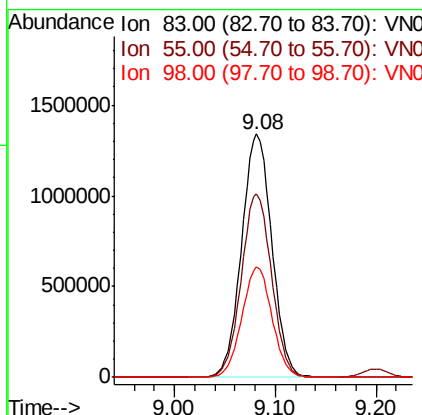
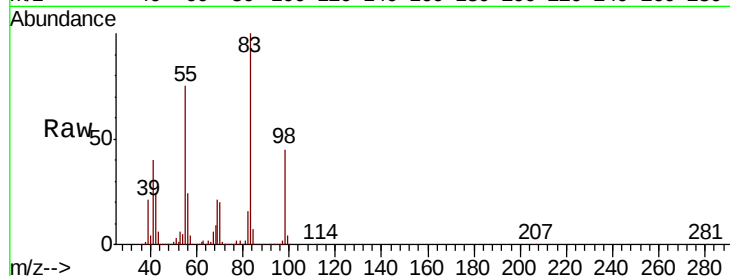
#39
Methvlcvclohexane
Concen: 154.414 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.3	91.9
98	45.4	37.0	55.4

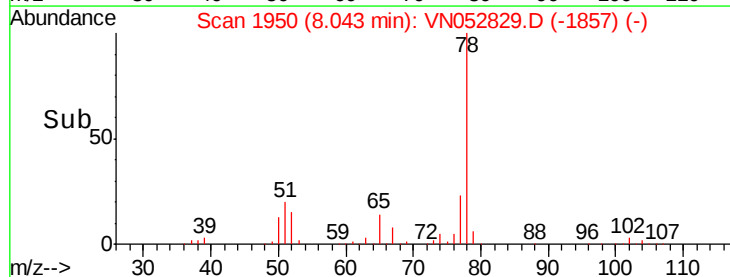
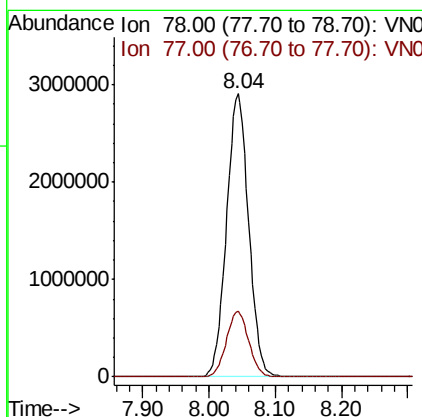
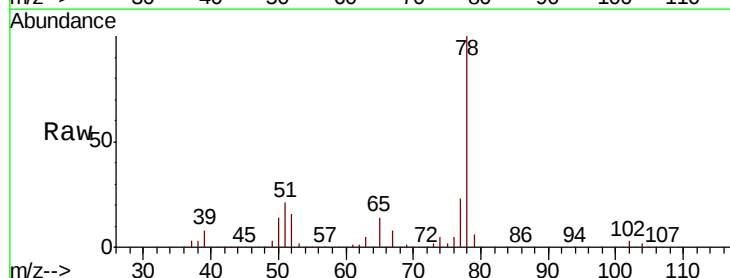
Manual Integrations
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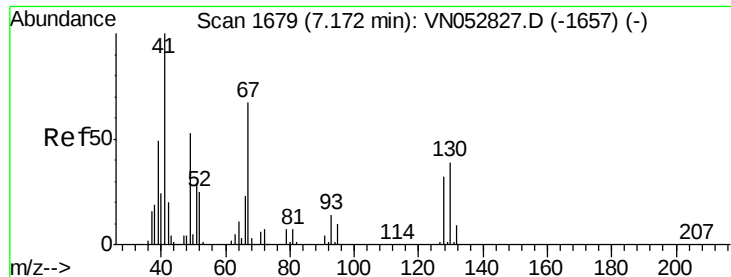
MMDadoda
12/13/2018 1:36:20 PM



#40
Benzene
Concen: 152.636 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





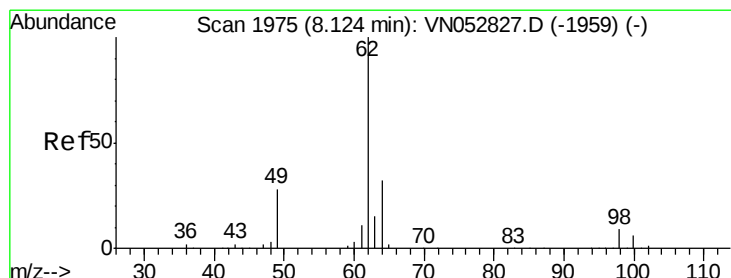
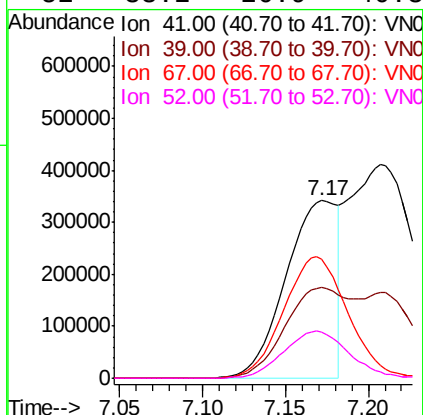
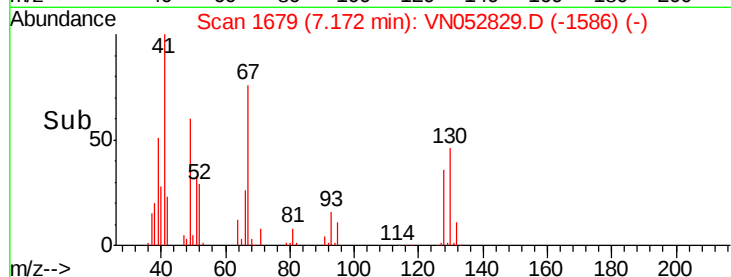
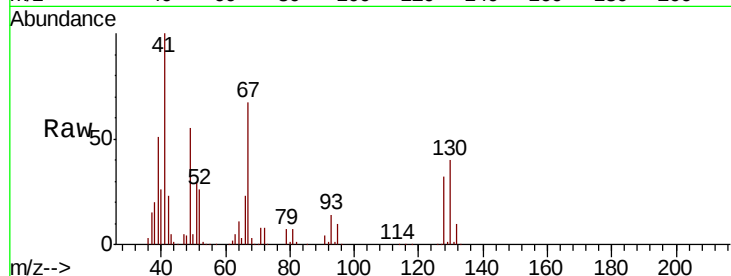
#41
Methacrylonitrile
Concen: 151.435 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.4	48.0	72.0	
67	86.1	70.3	105.5	
52	33.2	26.9	40.3	

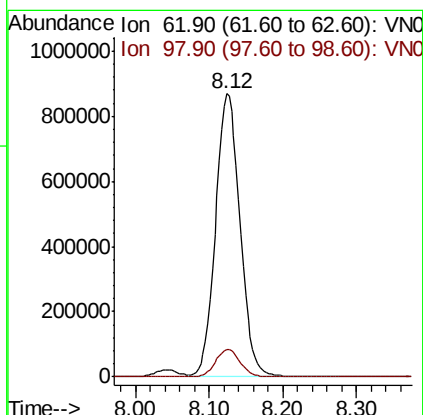
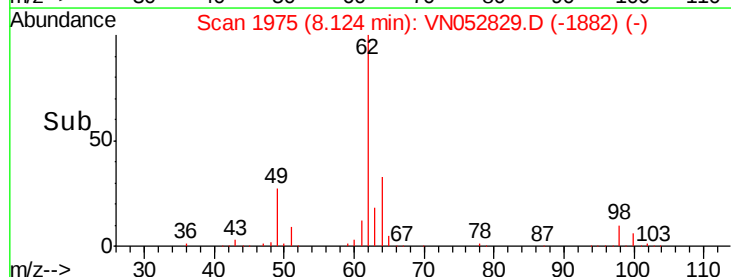
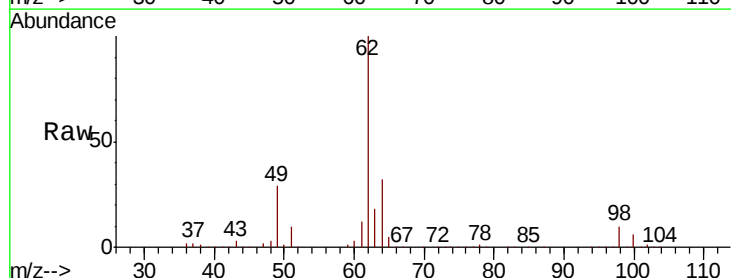
Manual Integrations
APPROVED

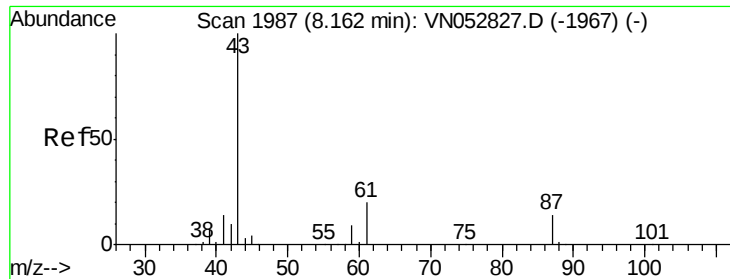
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#42
1,2-Dichloroethane
Concen: 150.991 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.0	





#43

Isopropyl Acetate

Concen: 139.176 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2514243

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

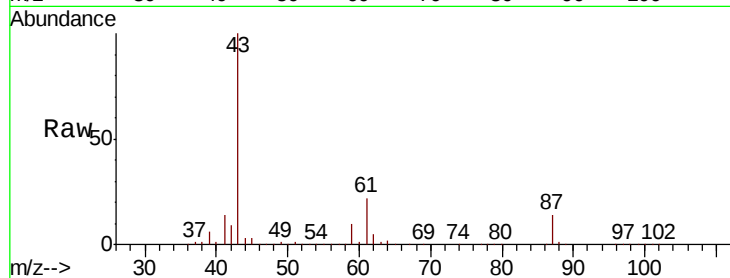
87 13.6 10.6 15.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

8.16

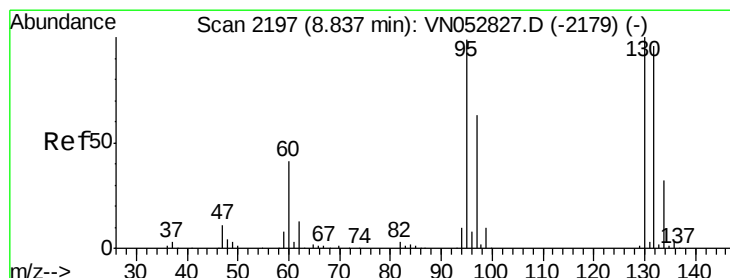
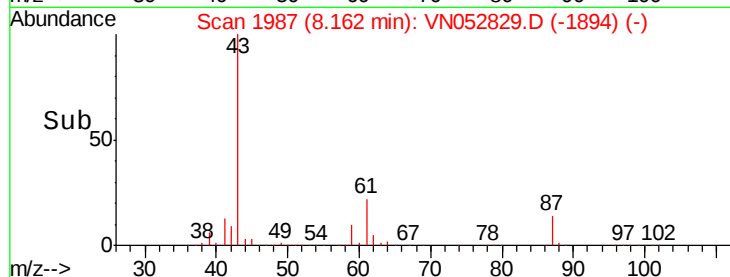
1500000

1000000

500000

0

Time-->



#44

Trichloroethene

Concen: 151.082 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052829.D

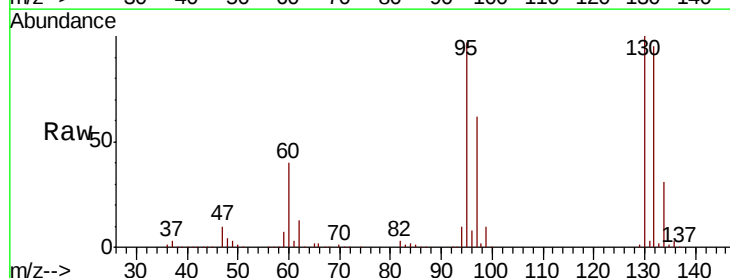
Acq: 12 Dec 2018 16:05

Tgt Ion:130 Resp: 1796455

Ion Ratio Lower Upper

130 100

95 96.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052829.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052829.D (-2104) (-)

8.84

1000000

800000

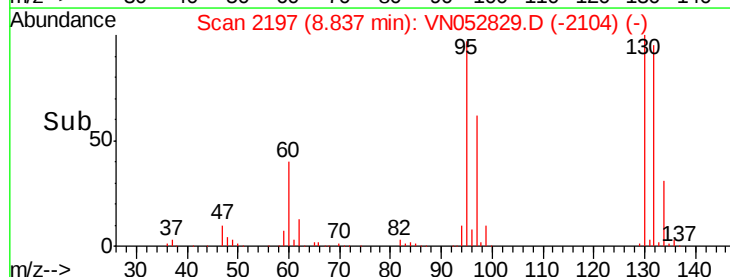
600000

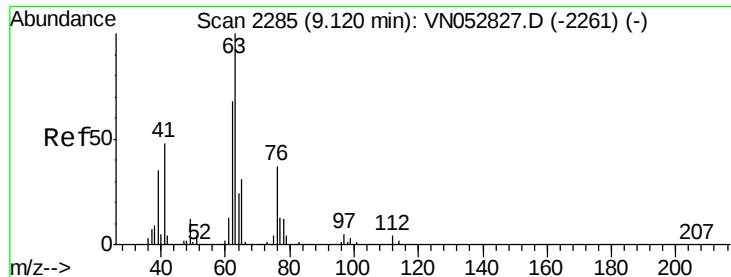
400000

200000

0

Time-->





#45

1,2-Dichloropropane

Concen: 154.015 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1775837

Ion Ratio Lower Upper

63 100

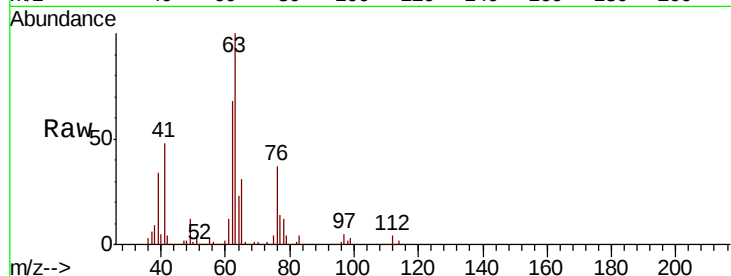
65 30.6 24.6 37.0

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Abundance Ion 62.90 (62.60 to 63.60): VN052829.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN052829.D (-2192) (-)

9.12

800000

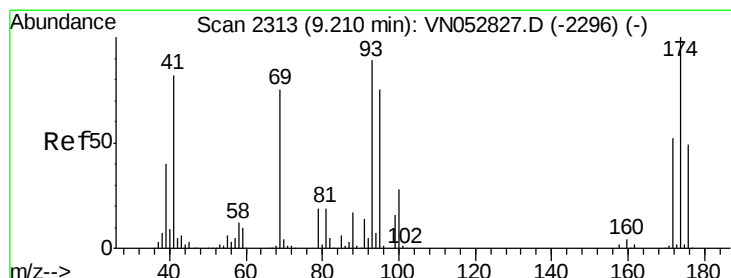
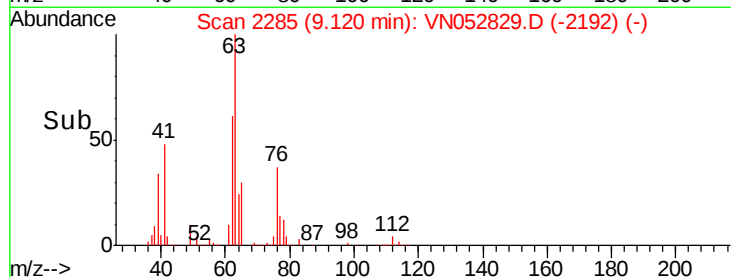
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 151.416 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

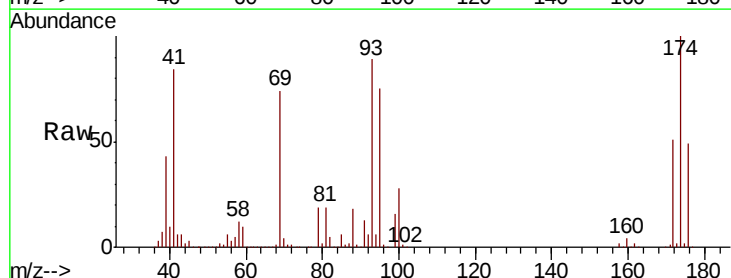
Tgt Ion: 93 Resp: 1012512

Ion Ratio Lower Upper

93 100

95 83.3 67.8 101.6

174 111.3 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN052829.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN052829.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN052829.D (-2220) (-)

9.21

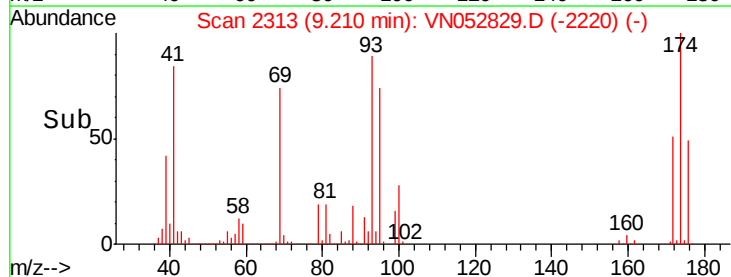
600000

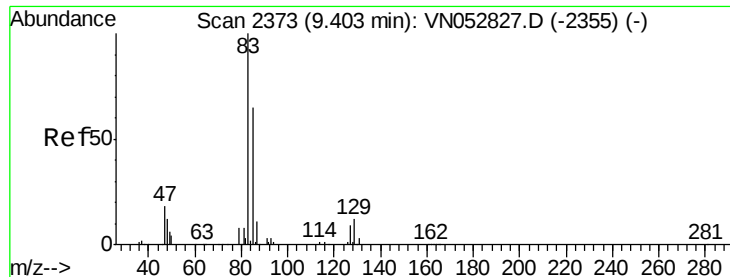
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 157.218 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 83 Resp: 2180087

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

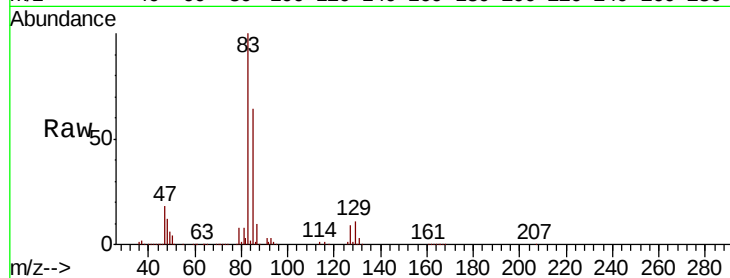
127 8.9 7.1 10.7

Manual Integrations

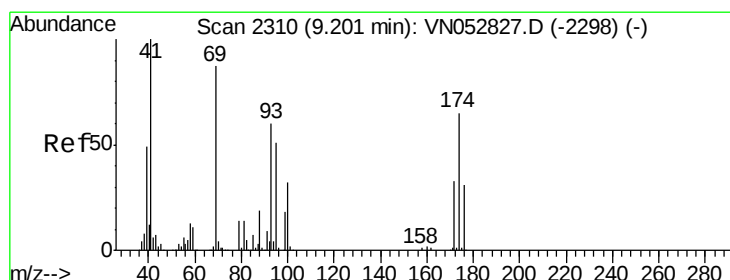
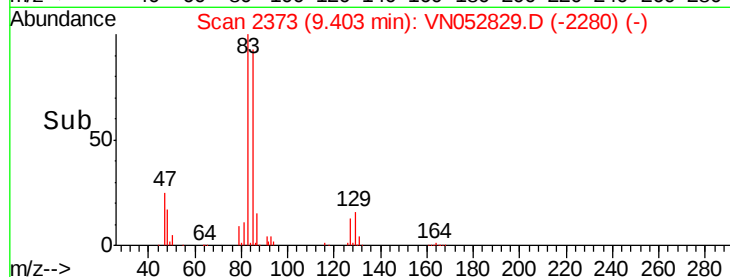
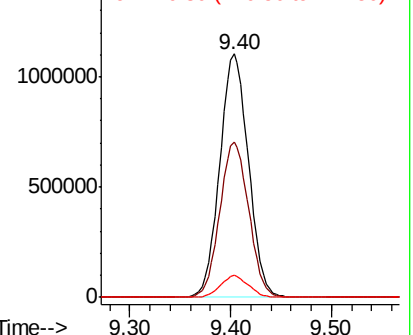
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Abundance Ion 82.90 (82.60 to 83.60): VNO
1500000 Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 162.974 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

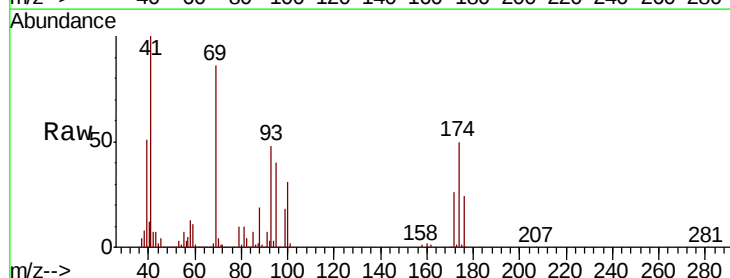
Tgt Ion: 41 Resp: 1291135

Ion Ratio Lower Upper

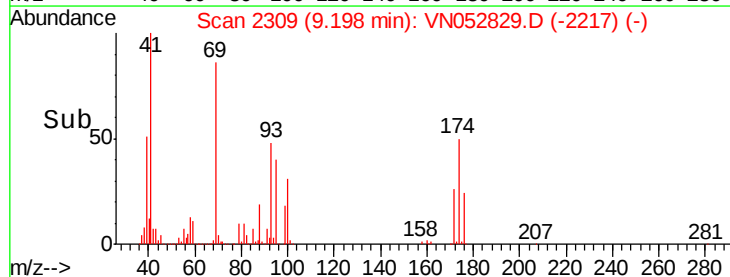
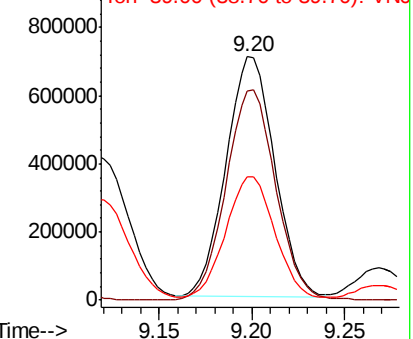
41 100

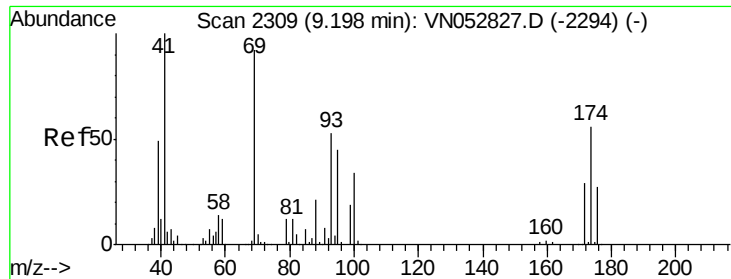
69 89.7 72.2 108.2

39 52.5 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VNO
1000000 Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





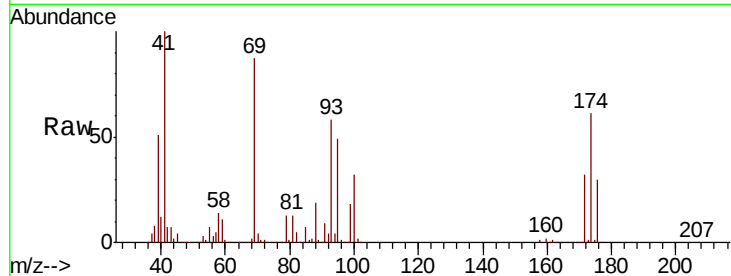
#49
1,4-Dioxane
Concen: 3131.850 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

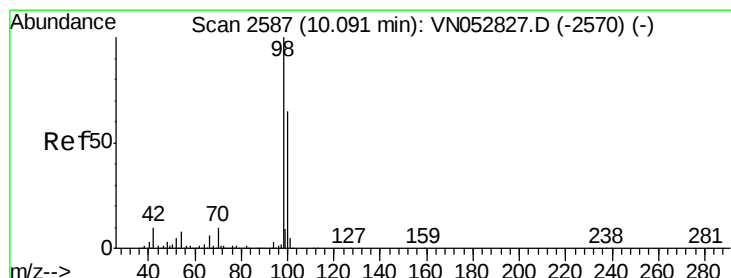
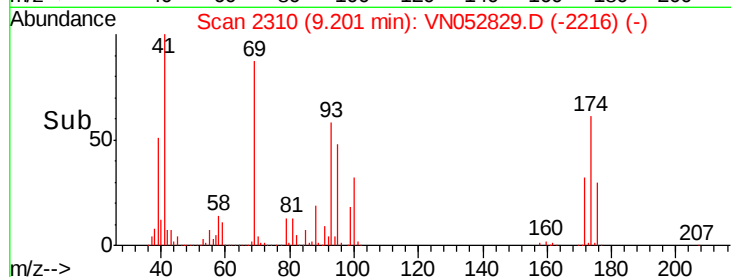
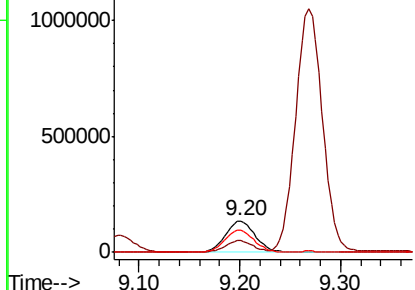
Tot Ion	Ratio	Resp	Lower	Upper
88	100	281632		
43	33.5	26.6	40.0	
58	69.7	58.4	87.6	

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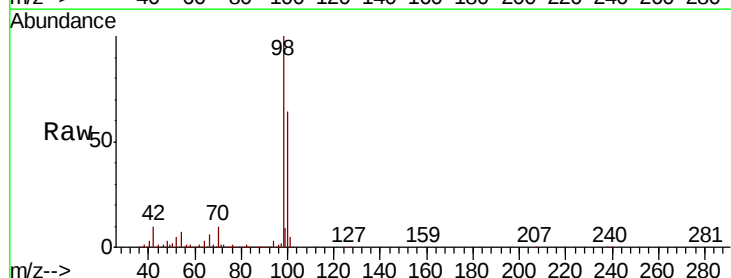


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

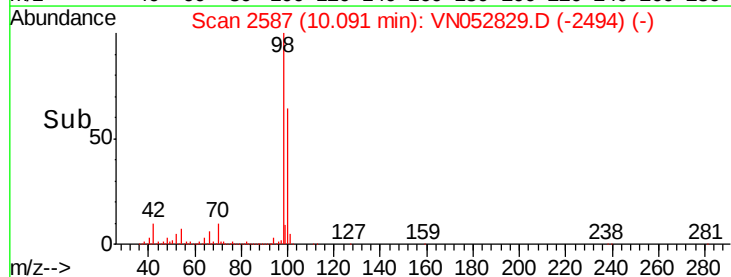
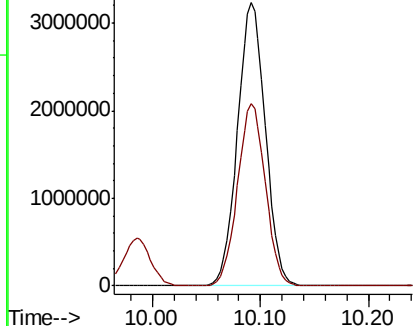


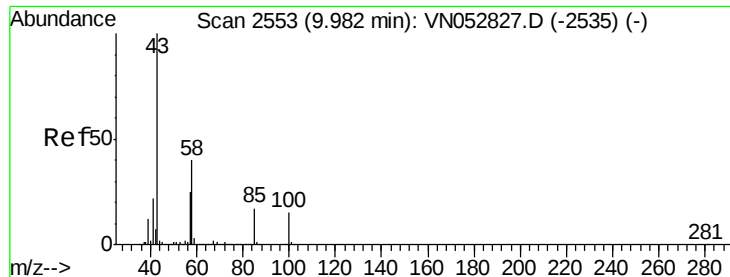
#50
Toluene-d8
Concen: 3131.850 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	5817205		
100	64.2	51.6	77.4	



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





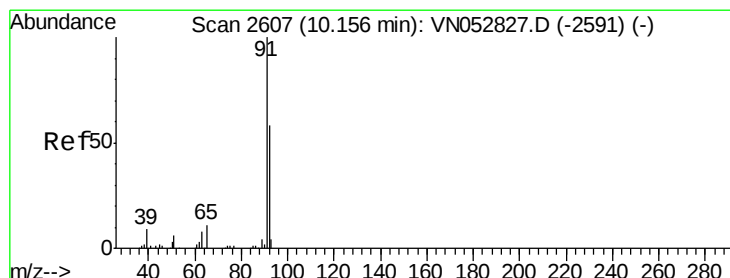
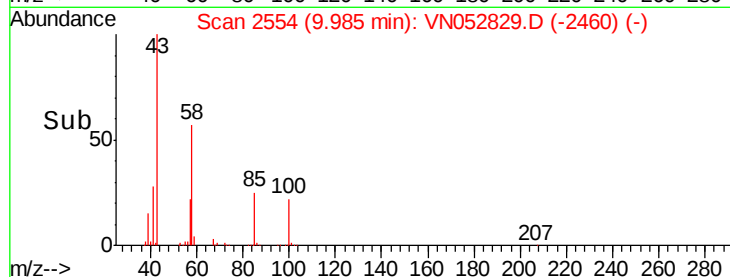
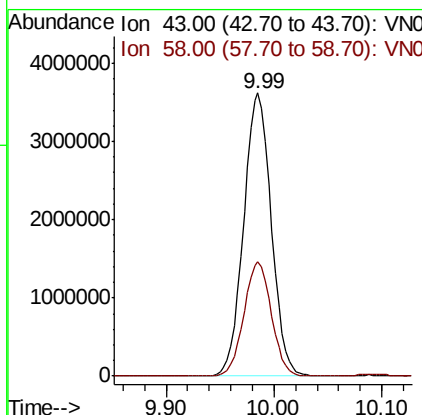
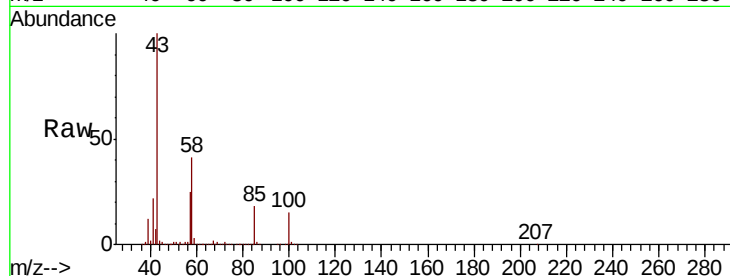
#51
4-Methyl-2-Pentanone
Concen: 776.339 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 6430882
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

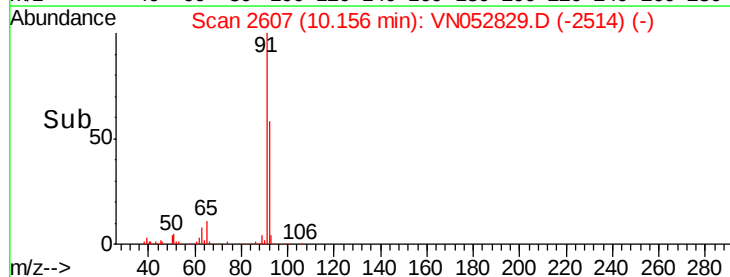
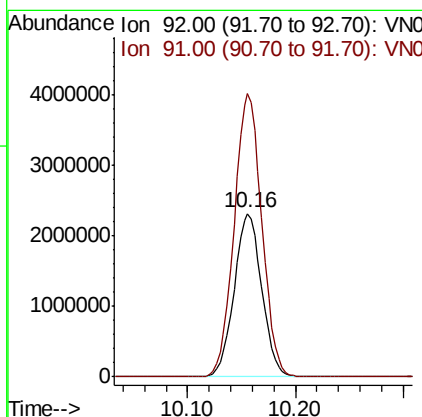
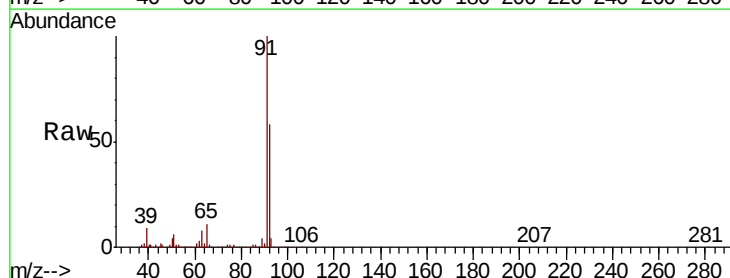
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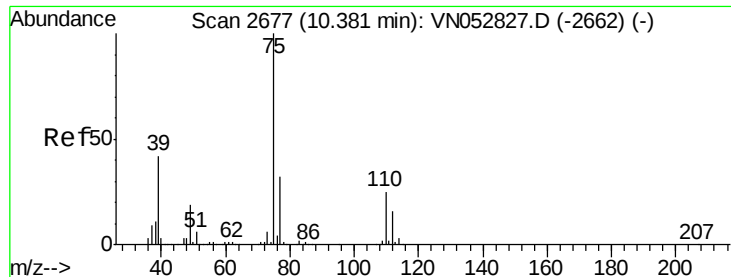
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#52
Toluene
Concen: 154.349 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 92 Resp: 4115245
Ion Ratio Lower Upper
92 100
91 174.0 139.8 209.6





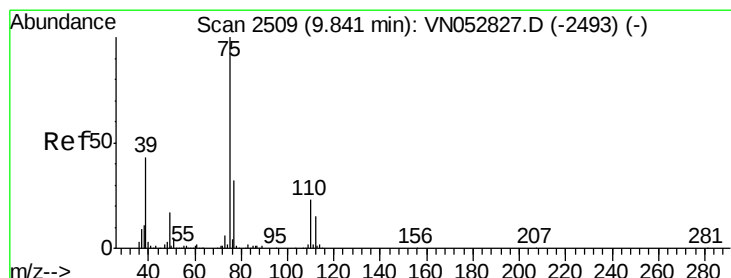
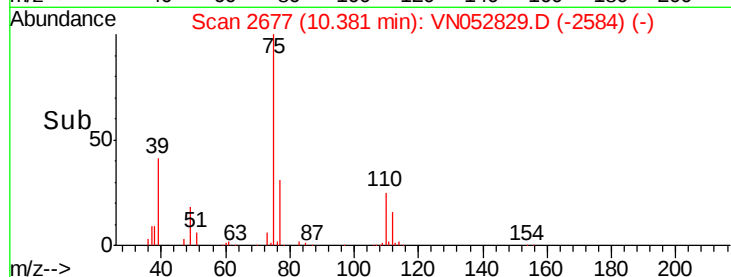
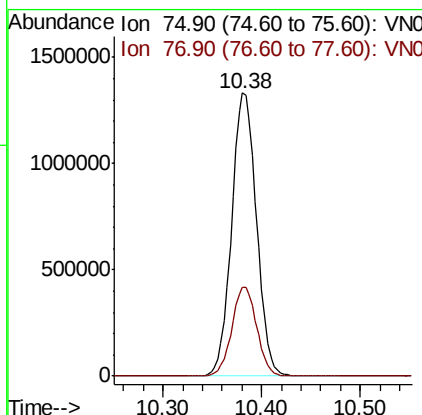
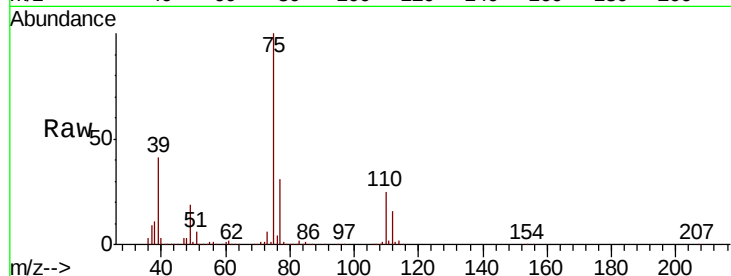
#53
t-1,3-Dichloropropene
Concen: 167.712 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 2340207
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4

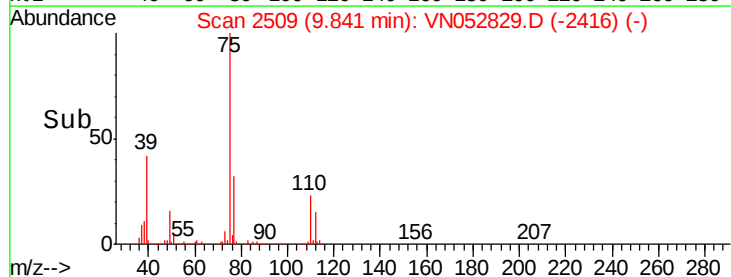
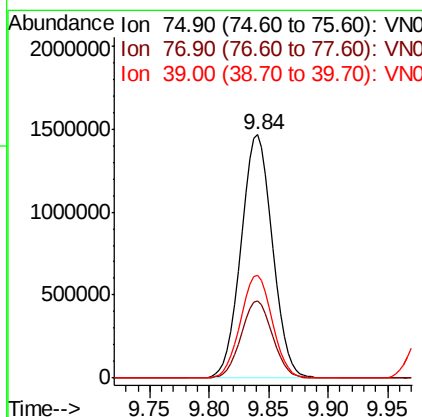
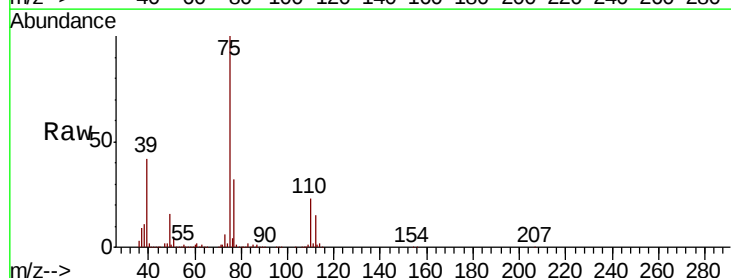
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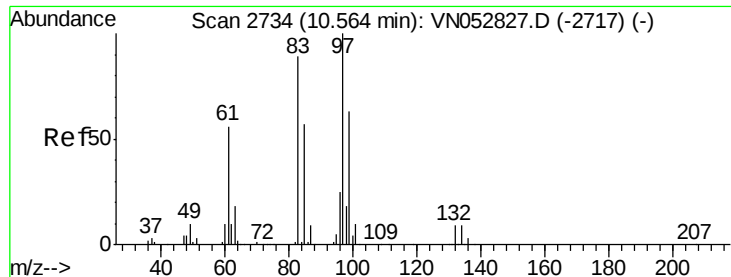
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#54
cis-1,3-Dichloropropene
Concen: 161.511 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 75 Resp: 2685544
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
39 42.5 34.8 52.2





#55
 1,1,2-Trichloroethane
 Concen: 150.701 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

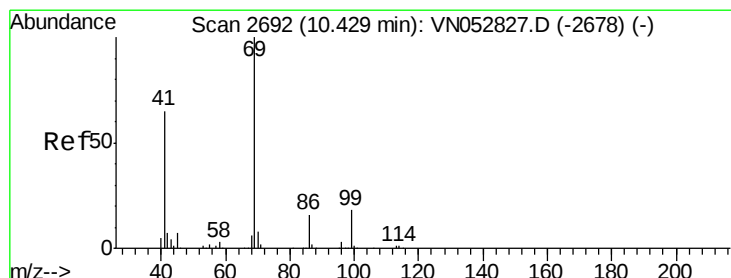
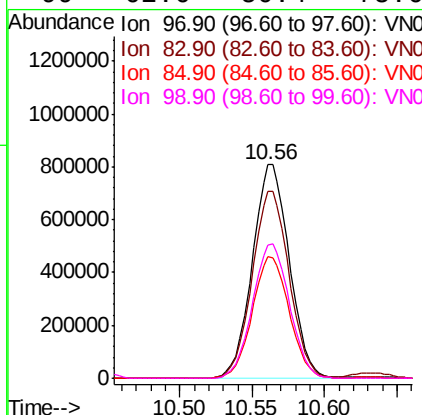
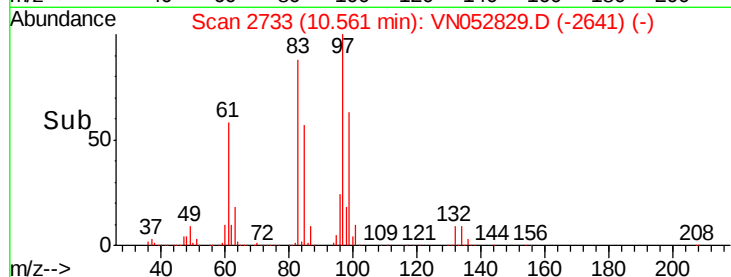
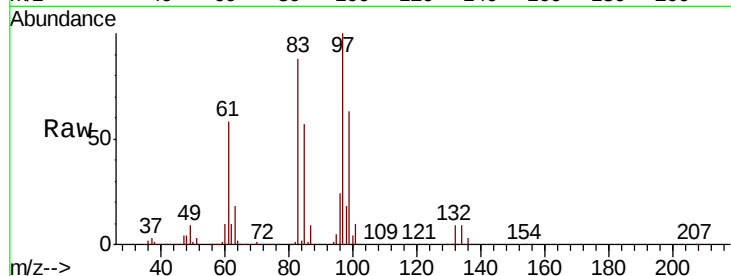
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 97 Resp: 1434303

Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.9	106.3
85	56.7	45.4	68.2
99	62.6	50.4	75.6

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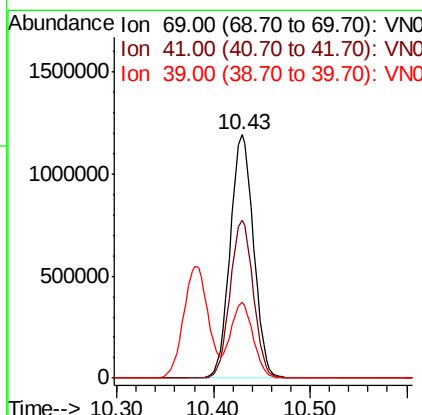
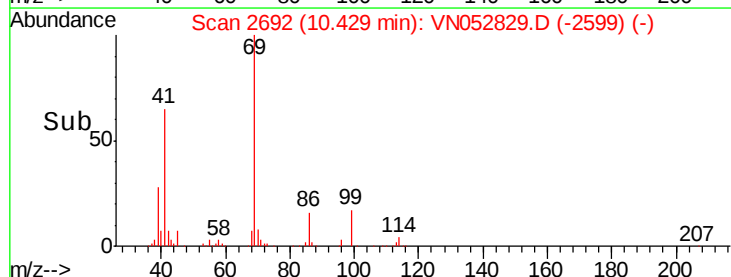
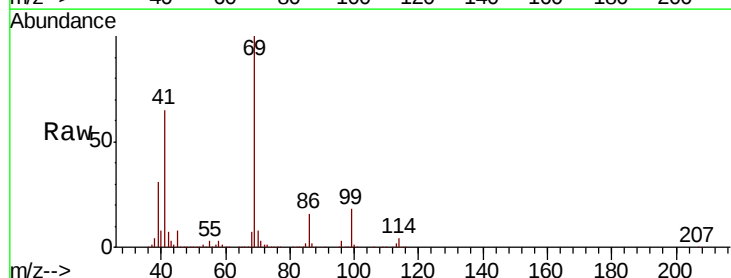
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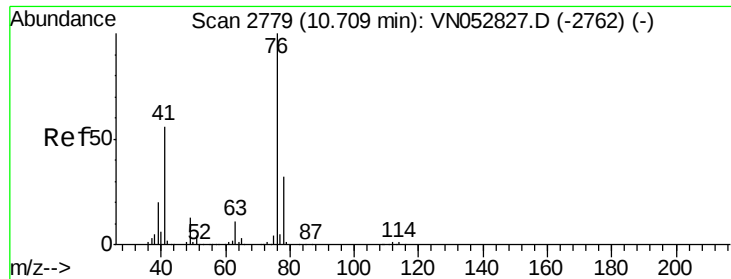


#56
 Ethyl methacrylate
 Concen: 163.910 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion: 69 Resp: 2002038

Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.7	77.5
39	30.5	24.6	37.0





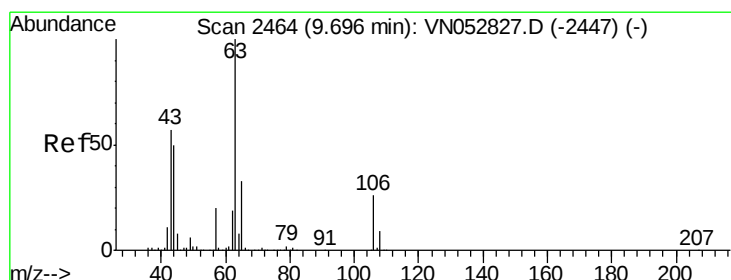
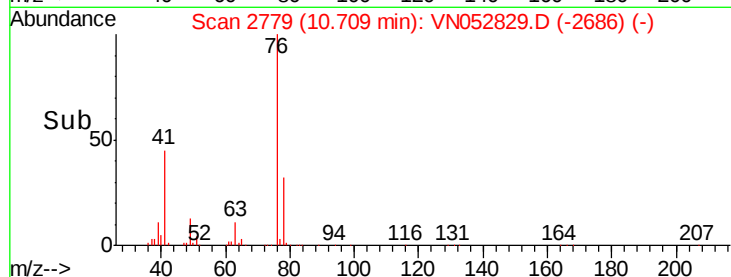
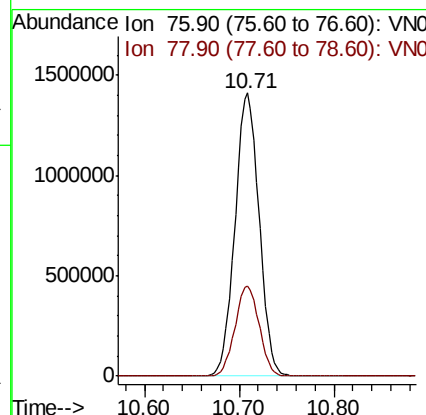
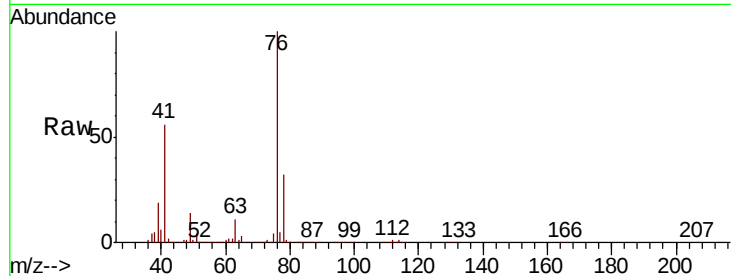
#57
 1,3-Dichloropropane
 Concen: 153.081 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 2498458
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

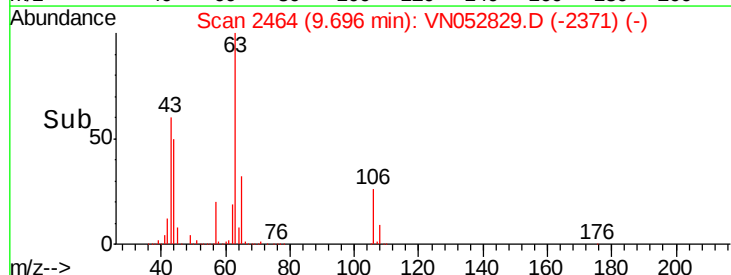
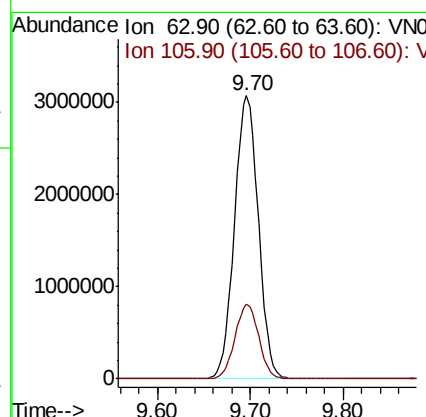
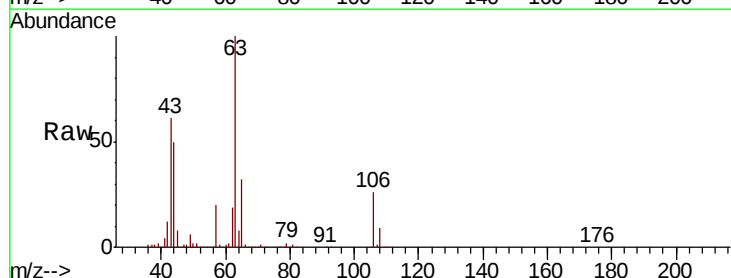
Manual Integrations
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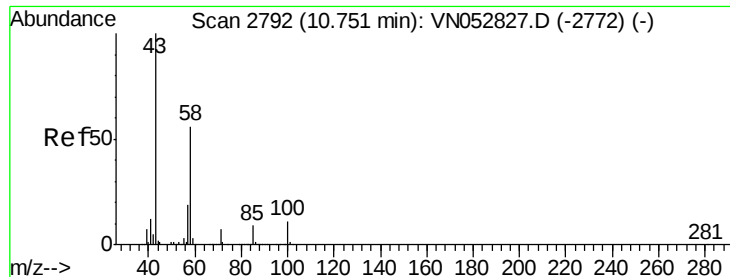
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#58
 2-Chloroethyl Vinyl ether
 Concen: 803.323 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion: 63 Resp: 5474898
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.0 31.6





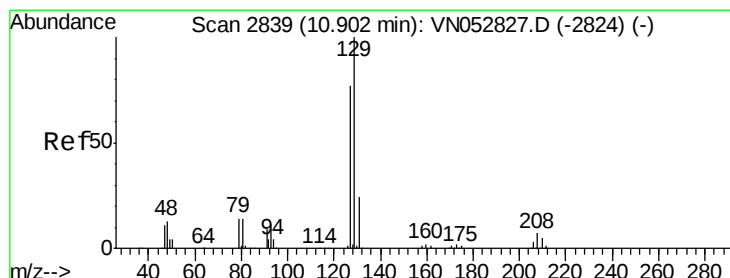
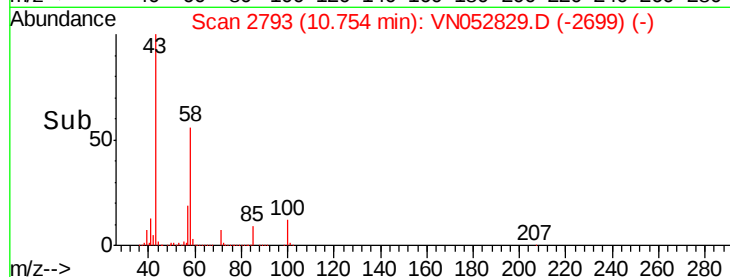
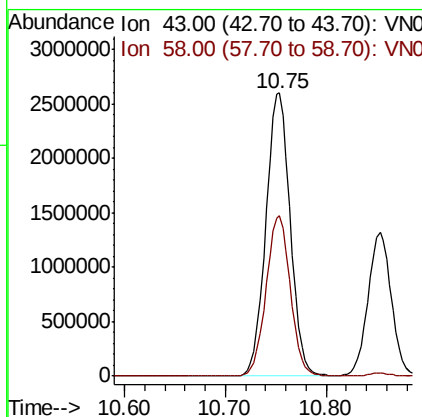
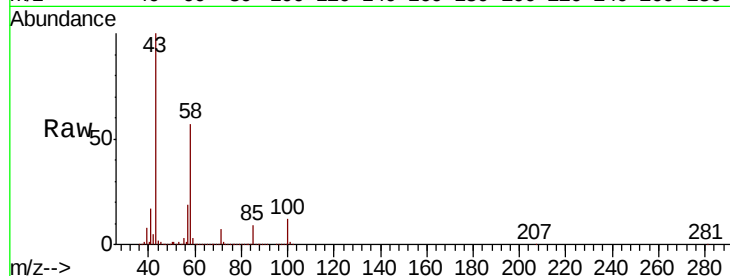
#59
2-Hexanone
Concen: 769.732 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4369694
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

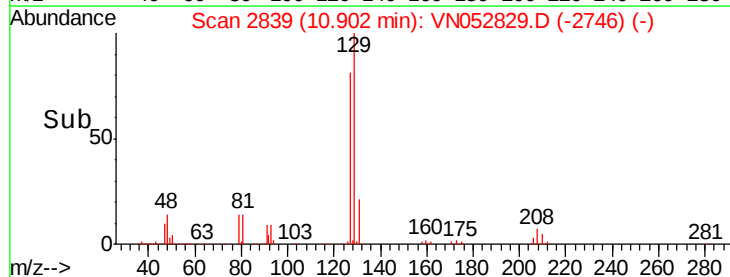
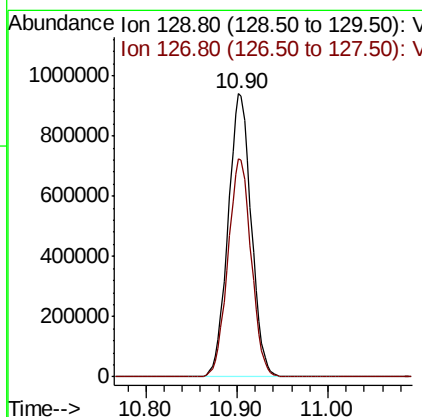
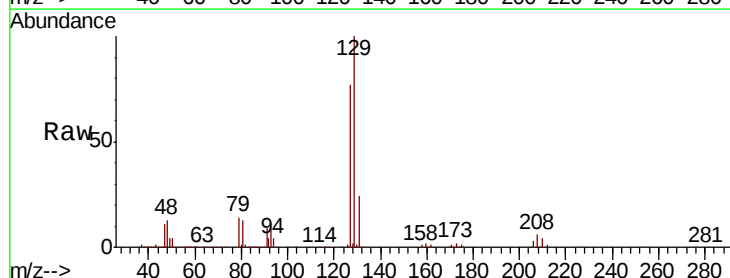
Manual Integrations
APPROVED

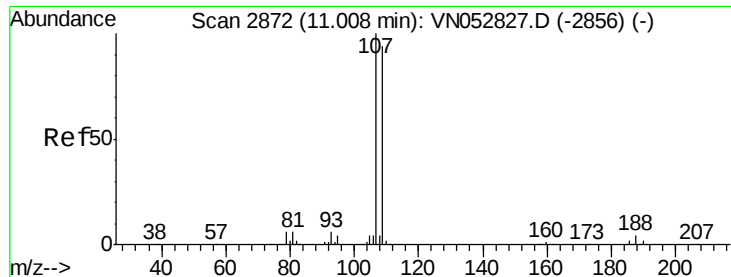
MMDadoda
12/13/2018 1:36:20 PM



#60
Dibromochloromethane
Concen: 161.454 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 129 Resp: 1660745
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





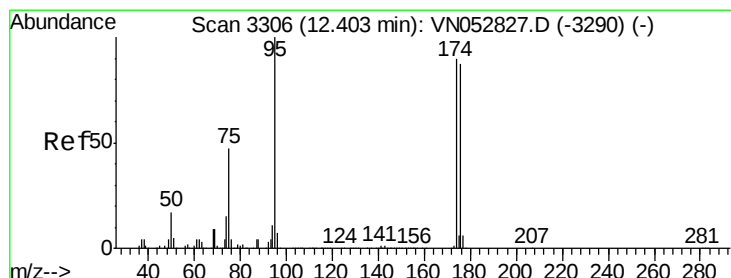
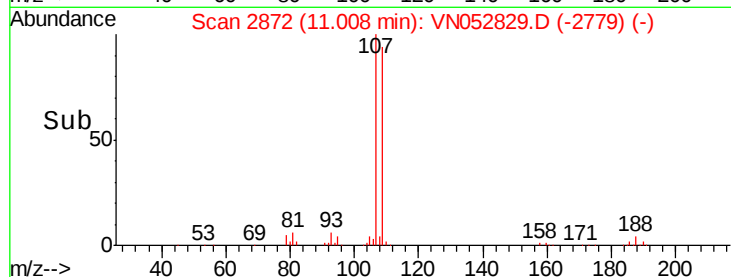
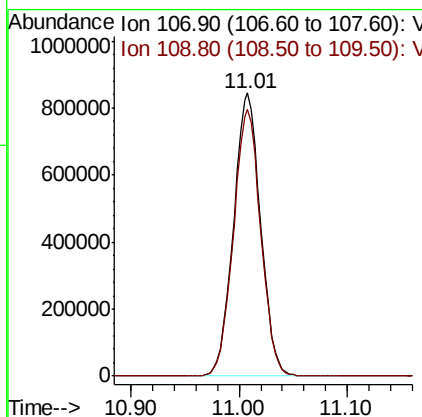
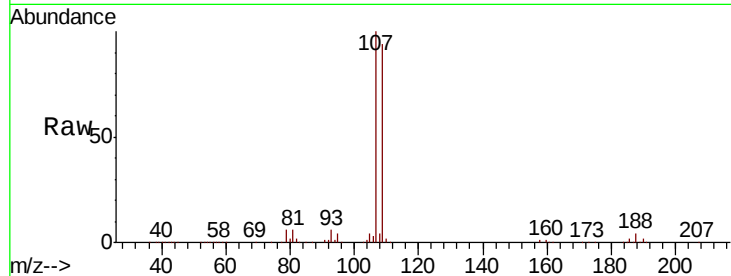
#61
1,2-Dibromoethane
Concen: 156.770 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:107 Resp: 1474859
Ion Ratio Lower Upper
107 100
109 95.0 75.4 113.0

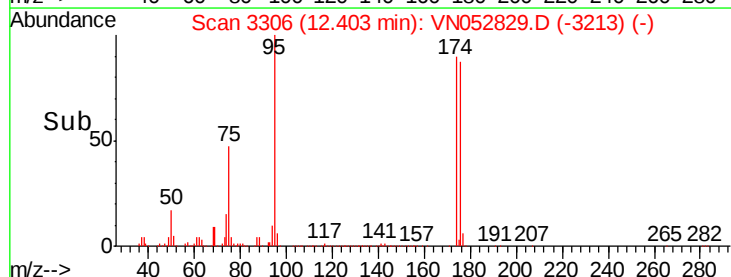
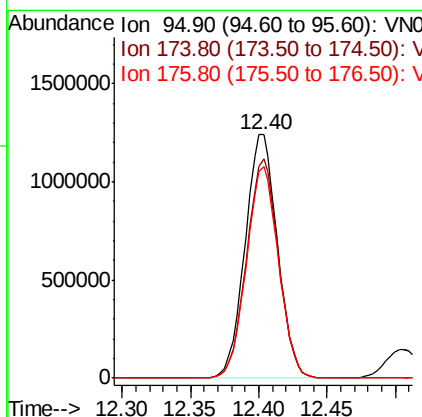
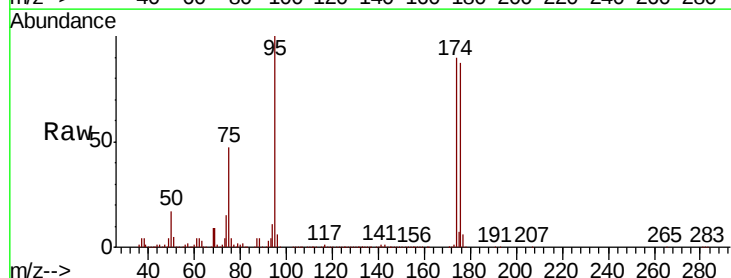
Manual Integrations
APPROVED

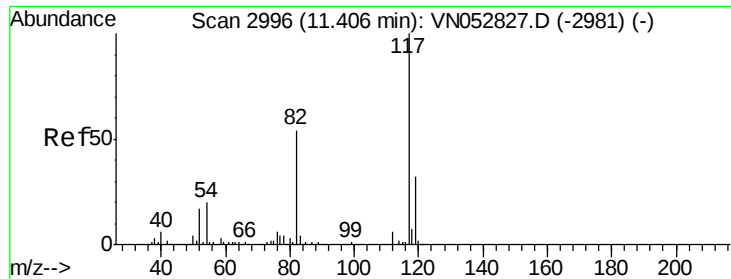
MMDadoda
12/13/2018 1:36:20 PM



#62
4-Bromofluorobenzene
Concen: 156.770 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 95 Resp: 2041428
Ion Ratio Lower Upper
95 100
174 89.1 0.0 178.8
176 86.2 0.0 173.8





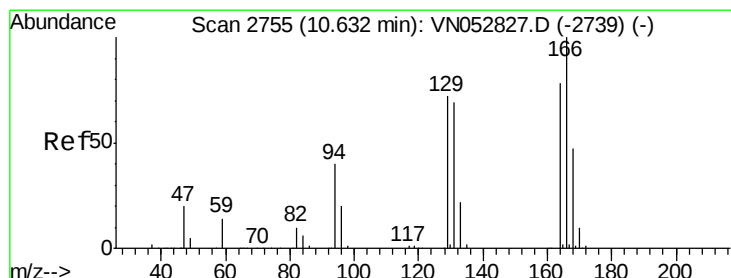
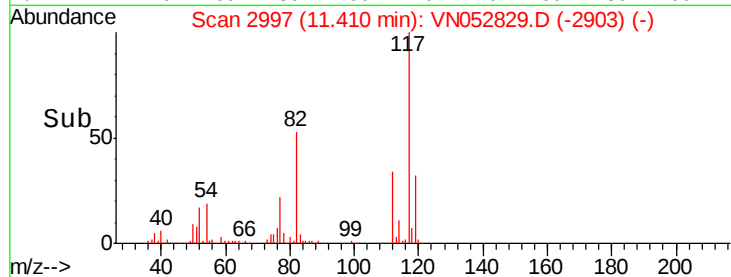
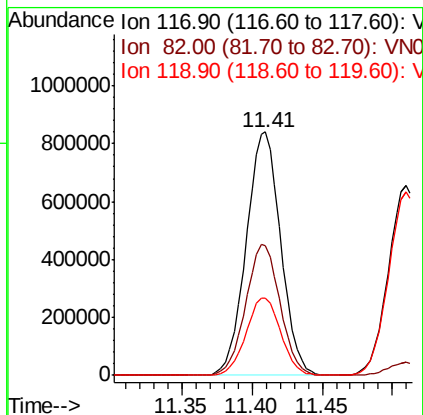
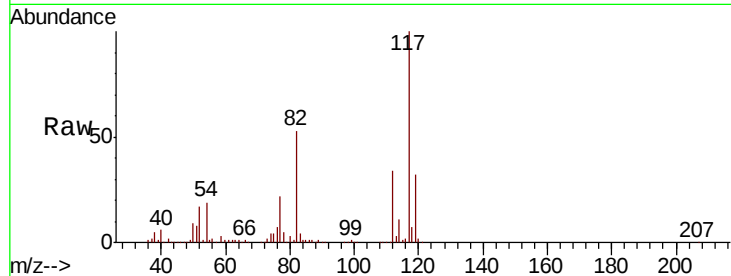
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 1437932
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 31.9 25.5 38.3

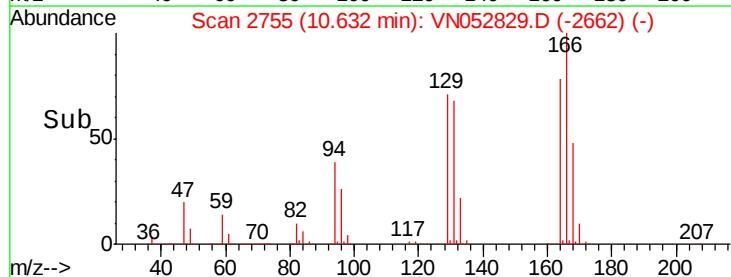
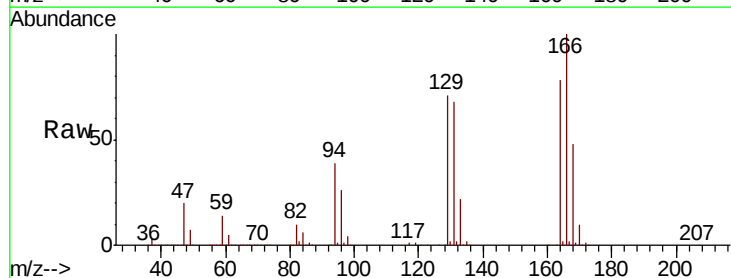
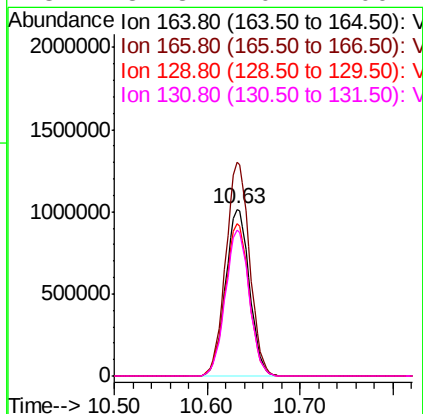
Manual Integrations
APPROVED

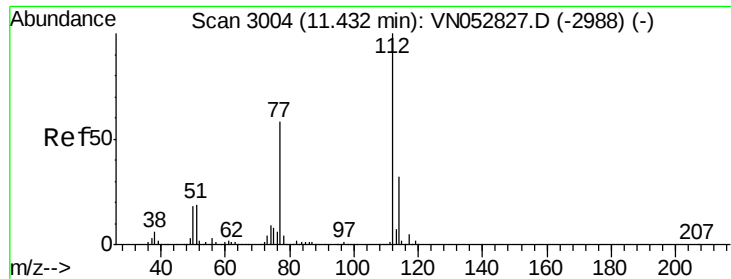
MMDadoda
12/13/2018 1:36:20 PM



#64
Tetrachloroethene
Concen: 146.715 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion:164 Resp: 1813198
Ion Ratio Lower Upper
164 100
166 128.0 102.9 154.3
129 91.5 73.7 110.5
131 87.3 70.7 106.1





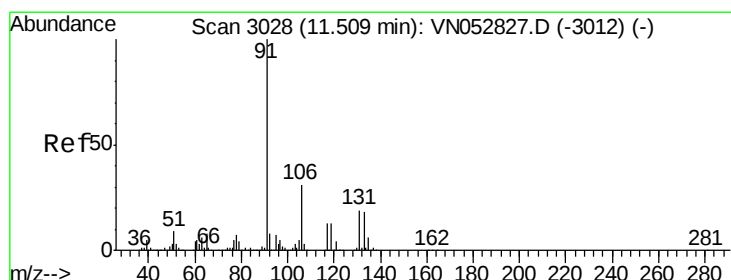
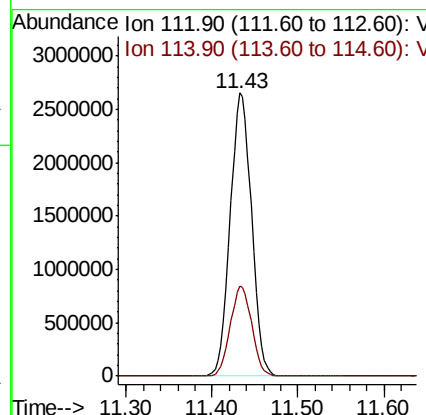
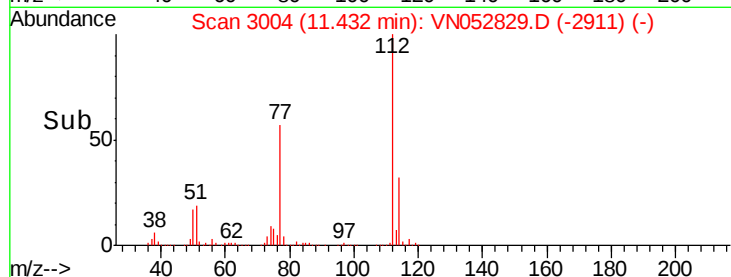
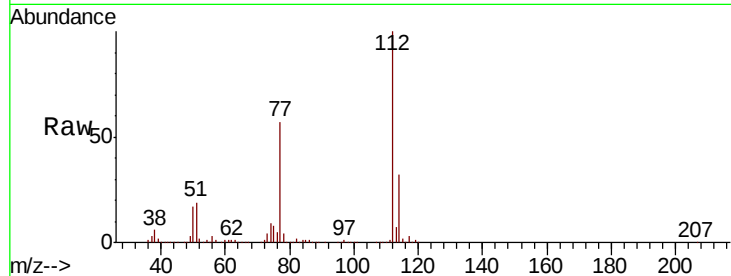
#65
Chlorobenzene
Concen: 153.132 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 4568241
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

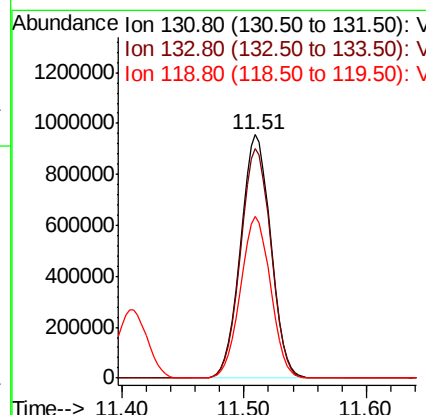
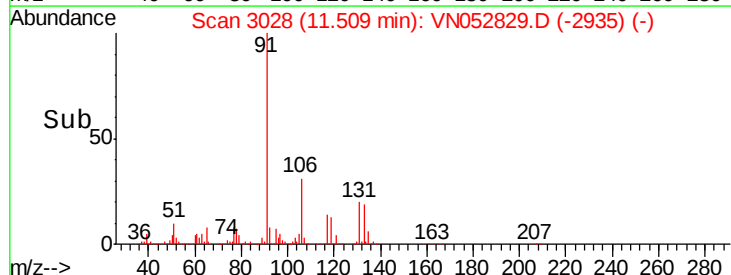
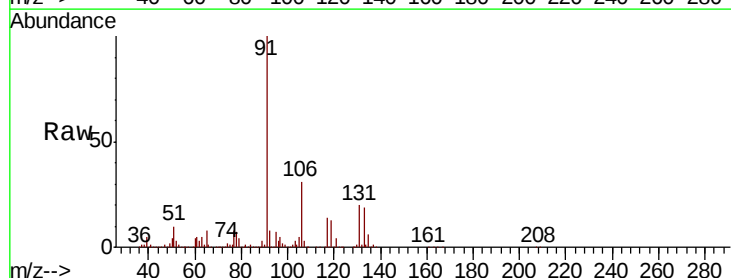
Manual Integrations
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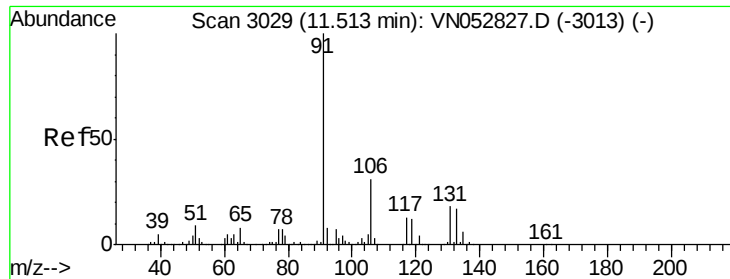
MMDadoda
12/13/2018 1:36:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 156.974 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion:131 Resp: 1628633
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.3 33.3 99.8





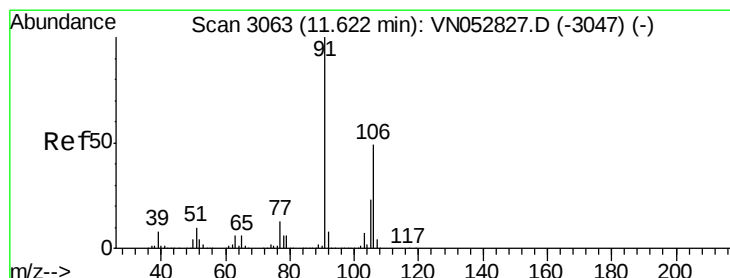
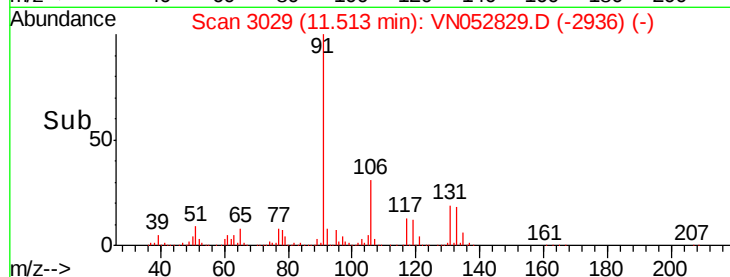
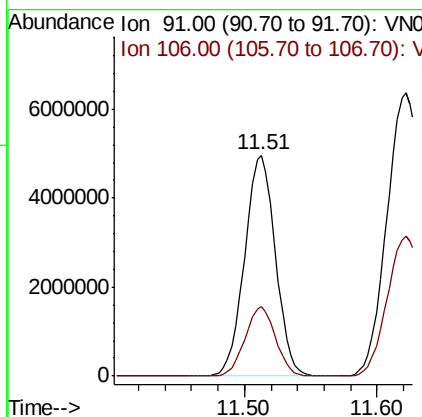
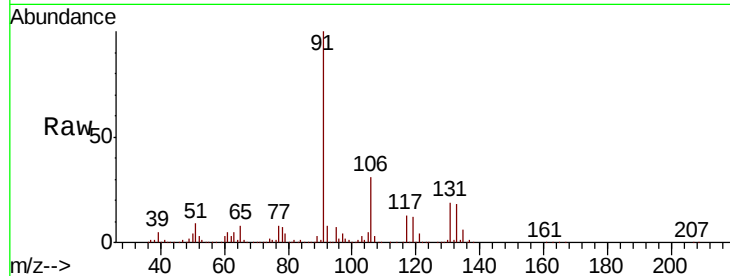
#67
Ethyl Benzene
Concen: 156.092 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 7996662
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

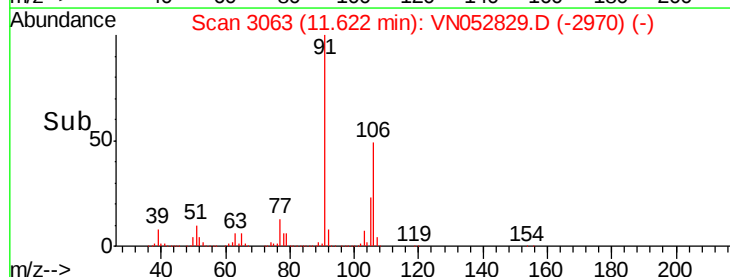
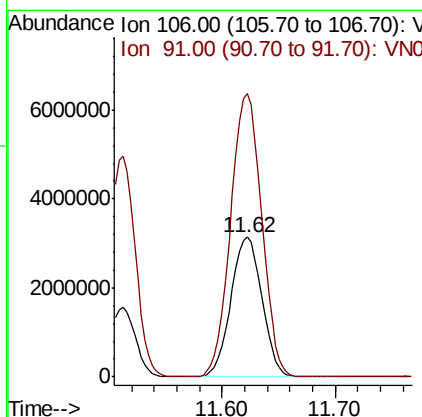
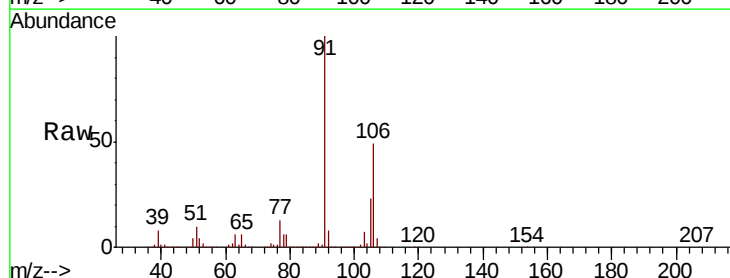
Manual Integrations
APPROVED

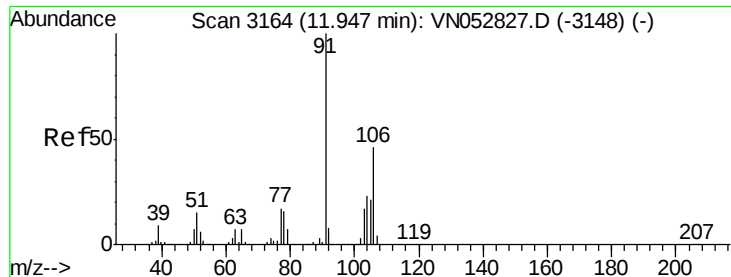
MMDadoda
12/13/2018 1:36:20 PM



#68
m/p-Xylenes
Concen: 312.331 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 106 Resp: 6008184
Ion Ratio Lower Upper
106 100
91 202.9 162.2 243.4





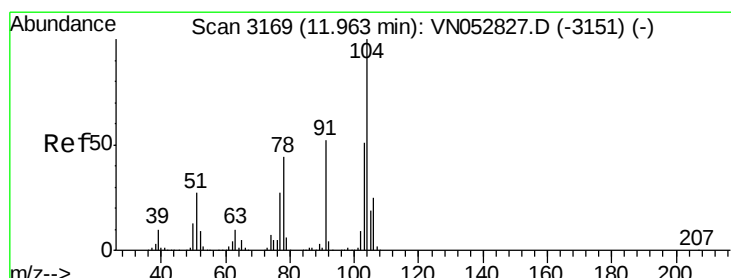
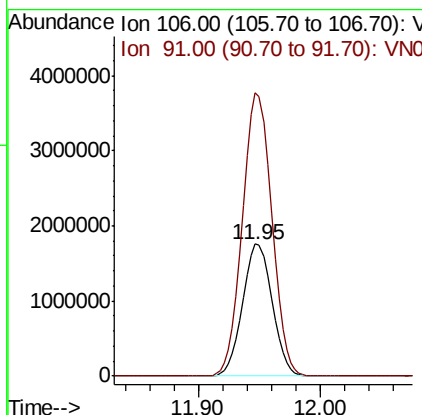
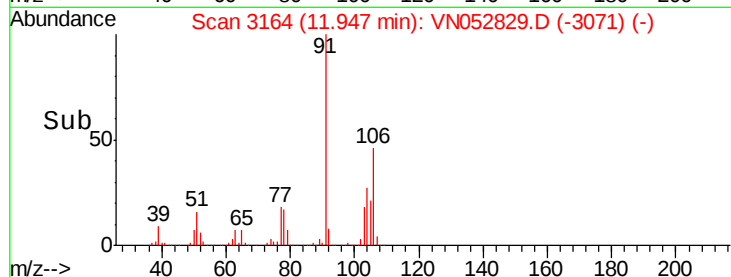
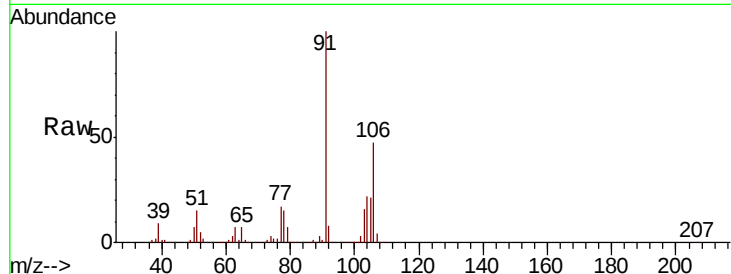
#69
o-Xylene
Concen: 155.890 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2928266
Ion Ratio Lower Upper
106 100
91 213.7 106.6 319.8

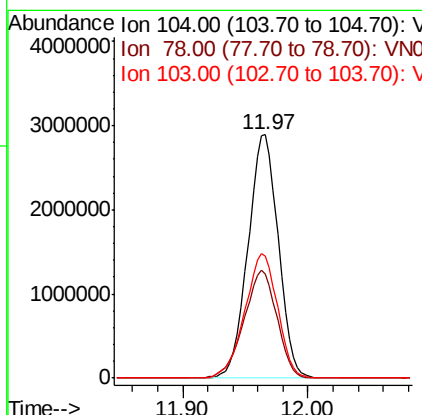
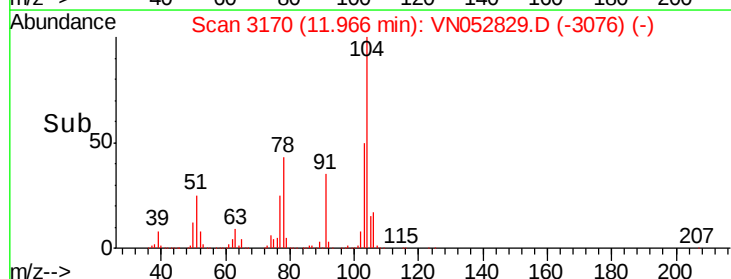
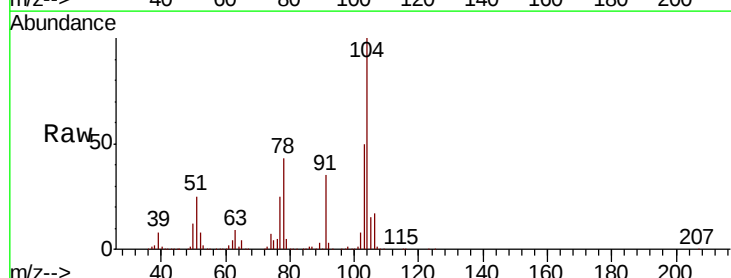
Manual Integrations
APPROVED

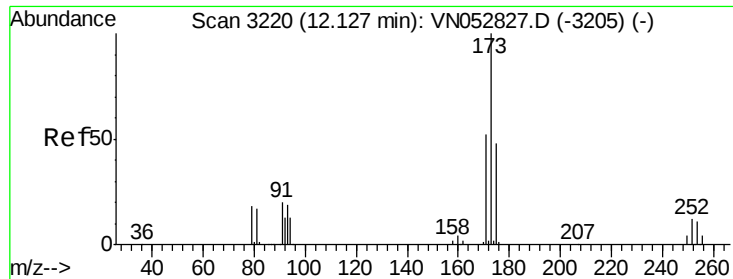
MMDadoda
12/13/2018 1:36:20 PM



#70
Styrene
Concen: 161.071 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion:104 Resp: 4863727
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.2 44.3 66.5





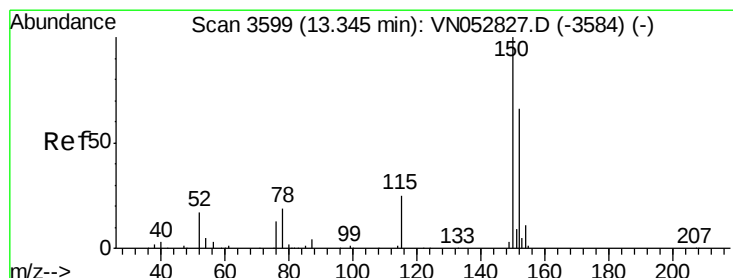
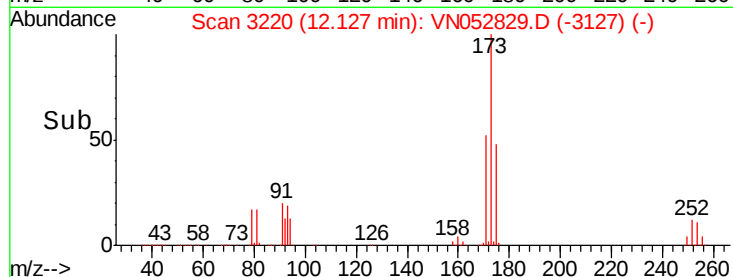
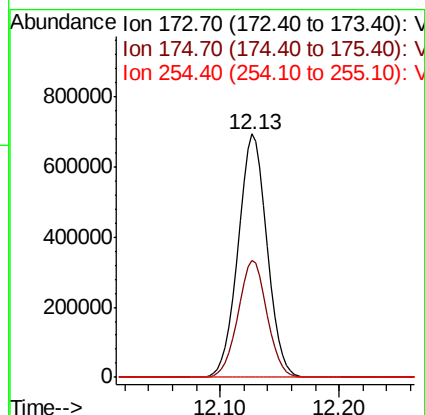
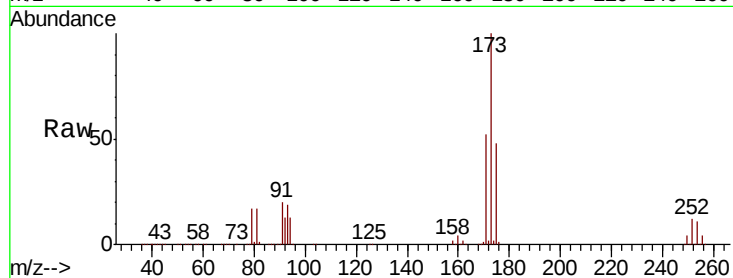
#71
Bromoform
Concen: 165.217 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.3	24.3	72.9	
254	0.2	0.1	0.1	

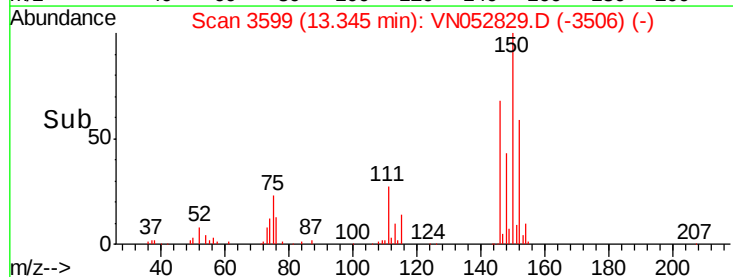
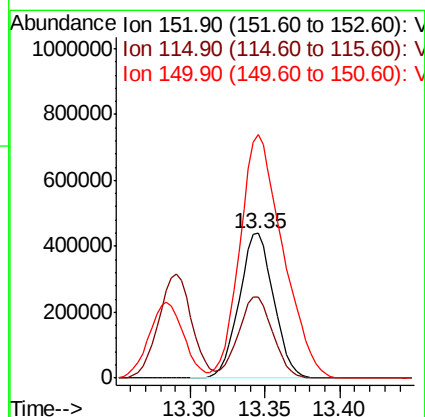
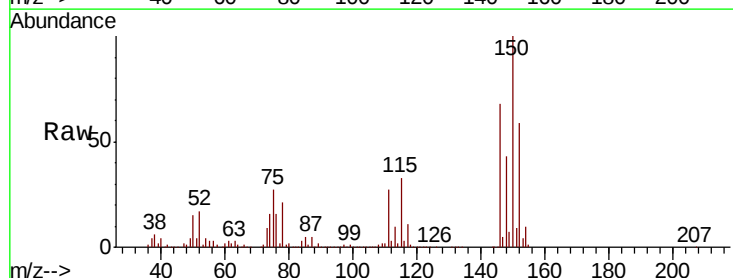
Manual Integrations
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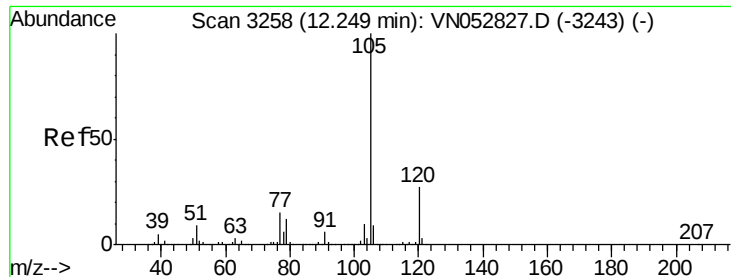
MMDadoda
12/13/2018 1:36:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	56.2	28.3	85.0	
150	208.9	0.0	347.8	





#73

Isopropylbenzene

Concen: 147.250 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7747771

Ion Ratio Lower Upper

105 100

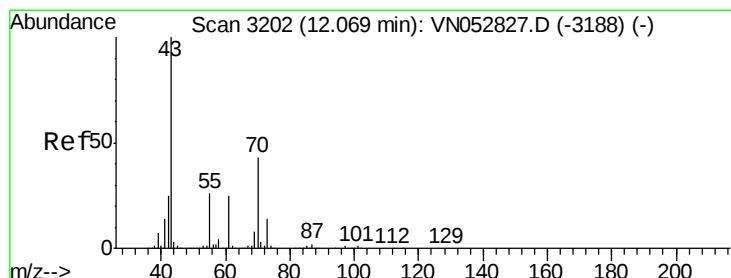
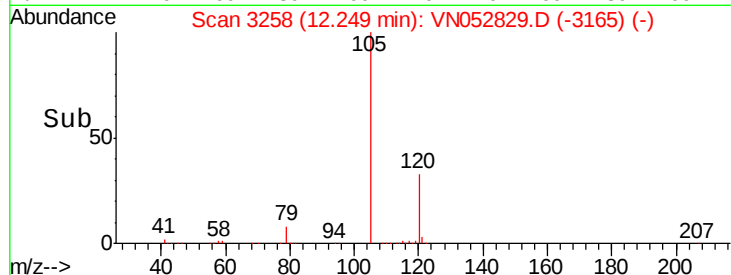
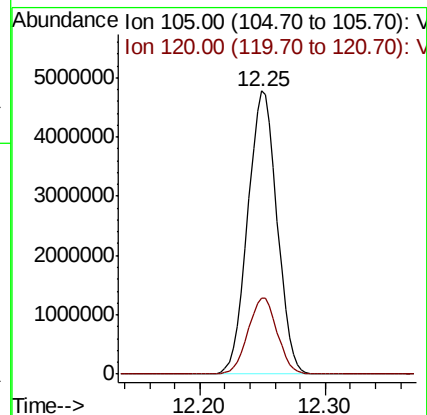
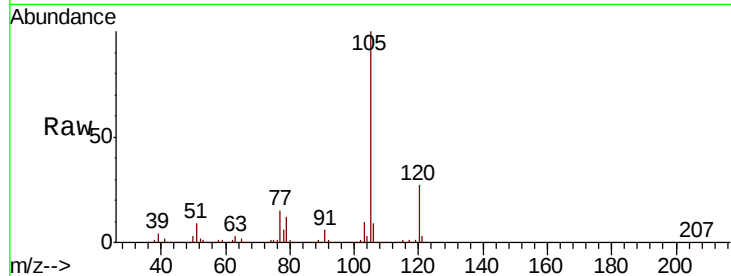
120 26.9 13.3 39.9

Manual Integrations

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MMDadoda

12/13/2018 1:36:20 PM



#74

N-ethyl acetate

Concen: 157.959 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Tgt Ion: 43 Resp: 2281769

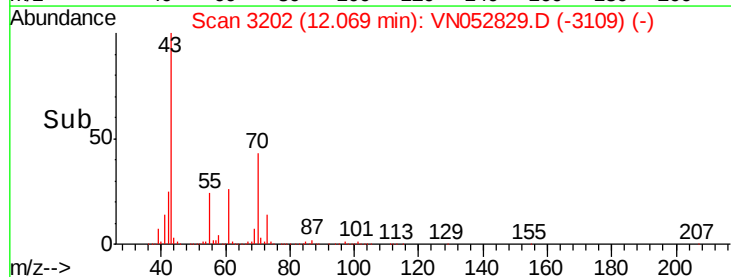
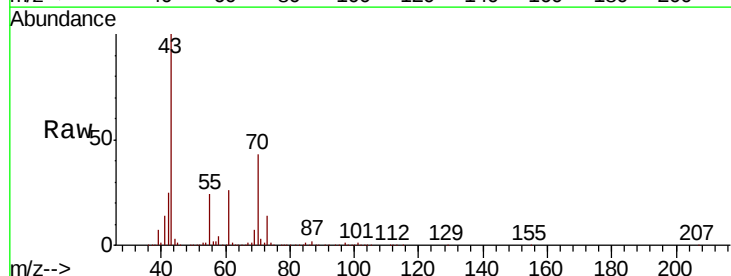
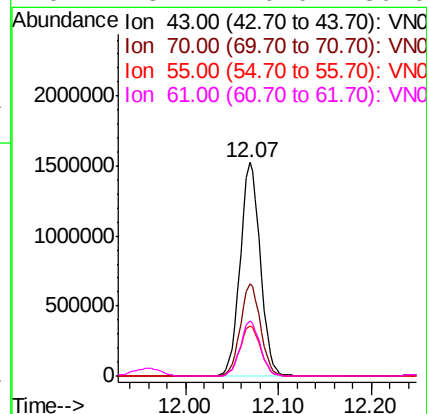
Ion Ratio Lower Upper

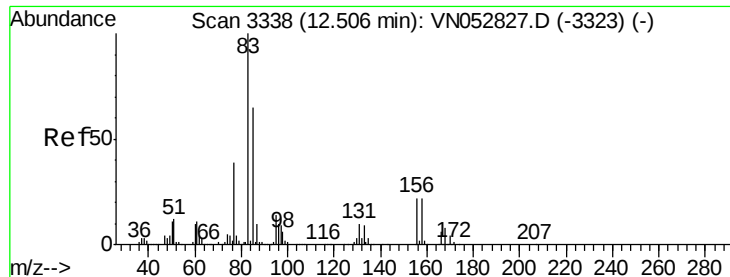
43 100

70 43.4 34.2 51.4

55 24.2 20.3 30.5

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 144.022 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1698322

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

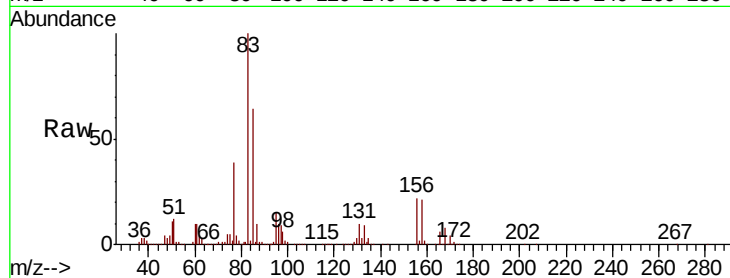
85 64.5 32.4 97.0

Manual Integrations

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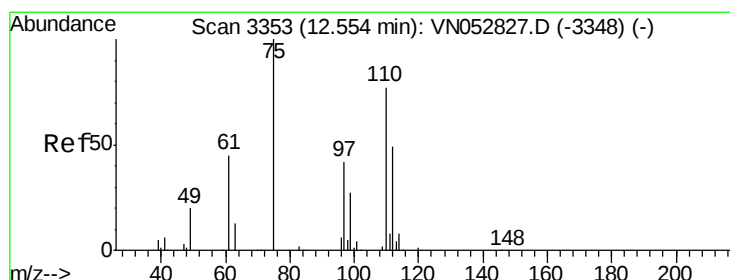
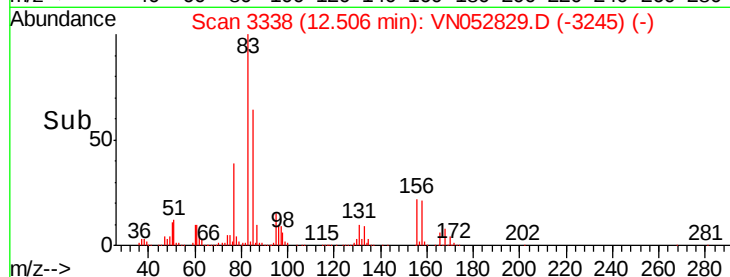
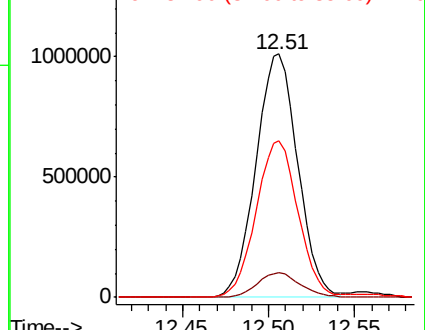
12/13/2018 1:36:20 PM



Abundance Ion 82.90 (82.60 to 83.60): VN052829.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052829.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052829.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 126.415 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052829.D

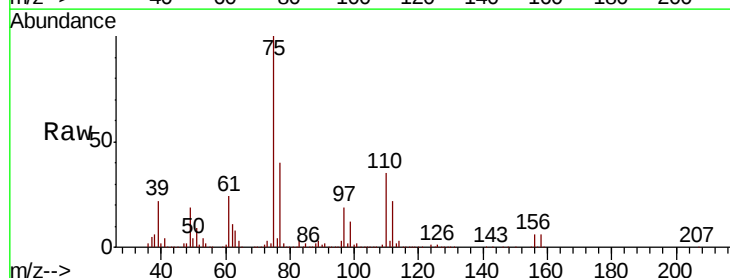
Acq: 12 Dec 2018 16:05

Tgt Ion: 75 Resp: 1485834

Ion Ratio Lower Upper

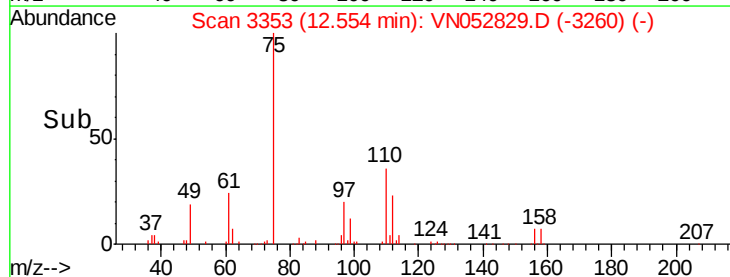
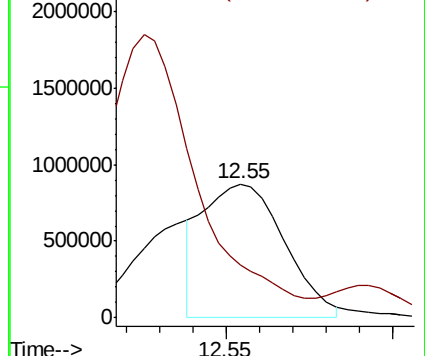
75 100

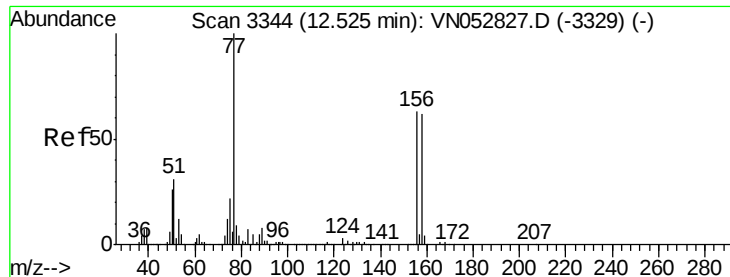
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052829.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052829.D (-3353) (-)





#77

Bromobenzene

Concen: 147.727 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1976999

Ion Ratio Lower Upper

156 100

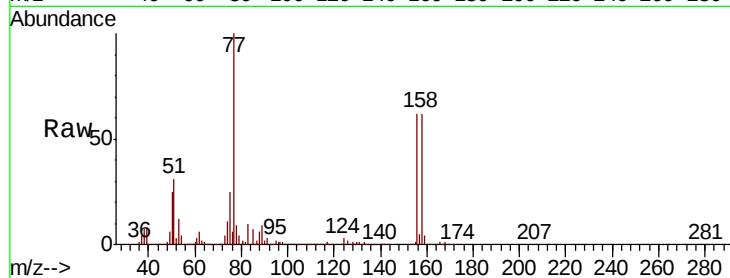
77 183.8 91.3 273.8

158 98.0 49.0 147.2

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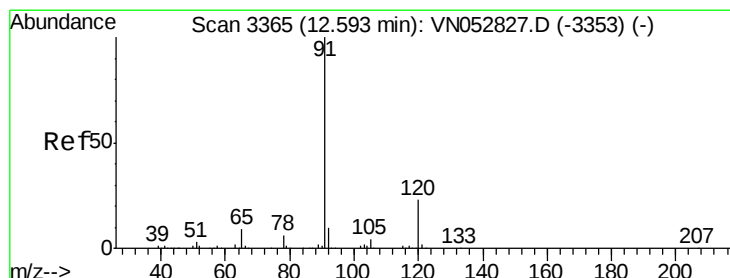
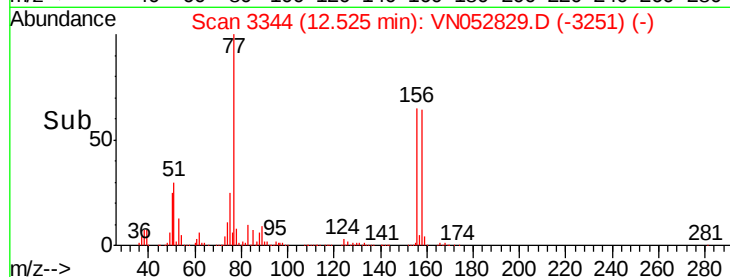
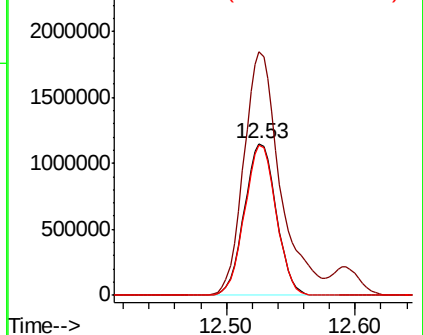
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 150.490 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052829.D

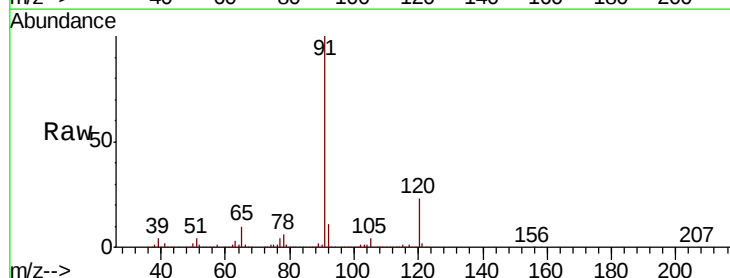
Acq: 12 Dec 2018 16:05

Tgt Ion: 91 Resp: 9030619

Ion Ratio Lower Upper

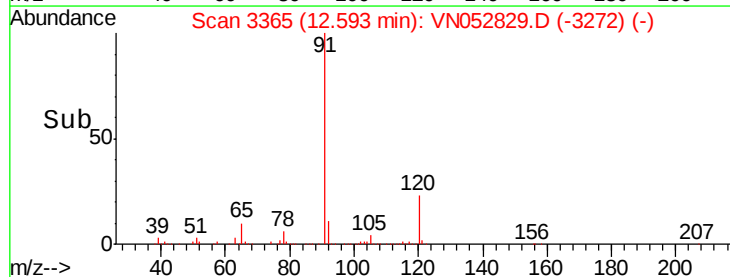
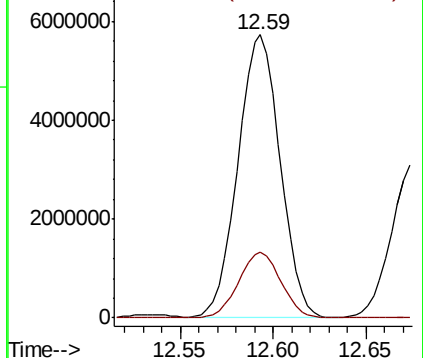
91 100

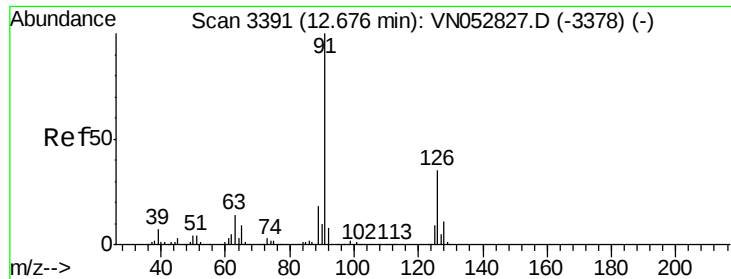
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.849 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 5209649

Ion Ratio Lower Upper

91 100

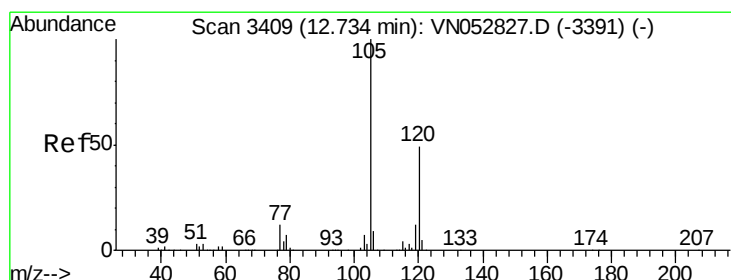
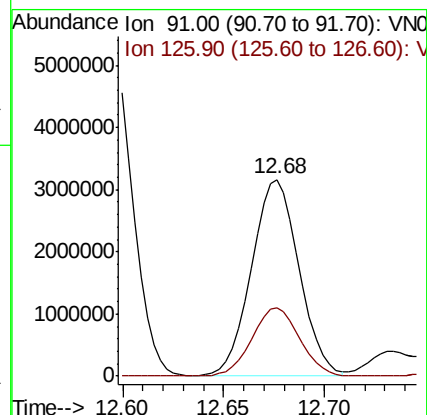
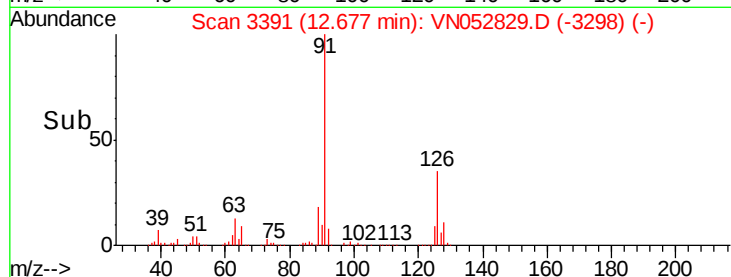
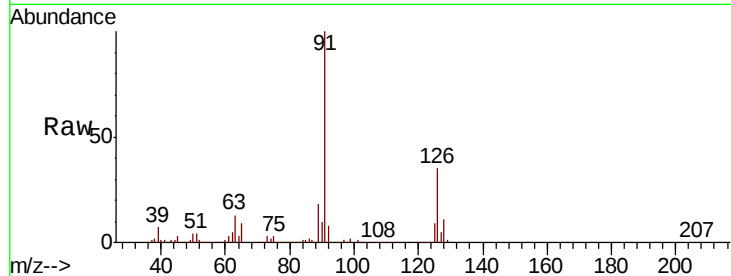
126 35.1 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 149.632 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052829.D

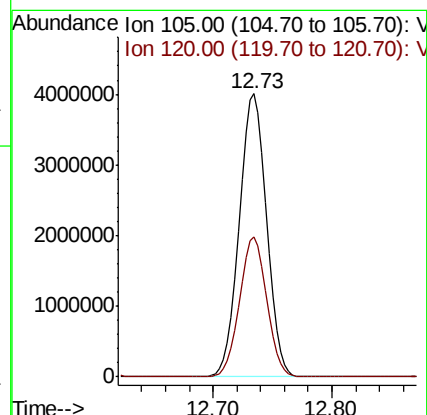
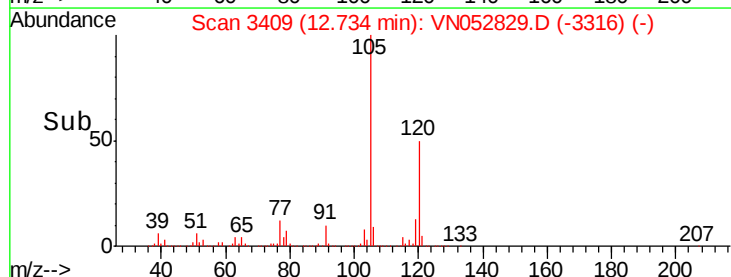
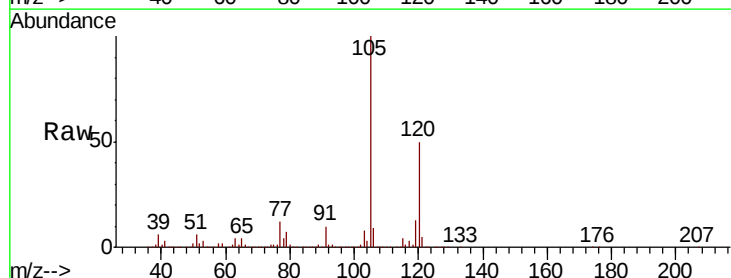
Acq: 12 Dec 2018 16:05

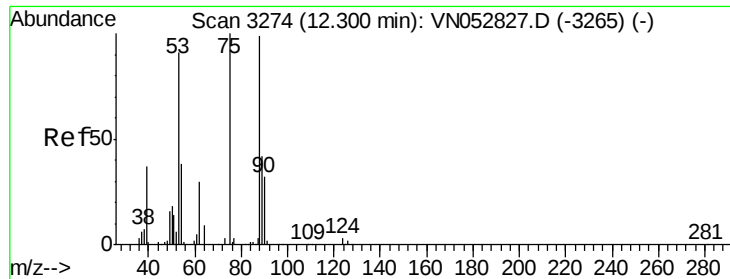
Tgt Ion: 105 Resp: 6355580

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





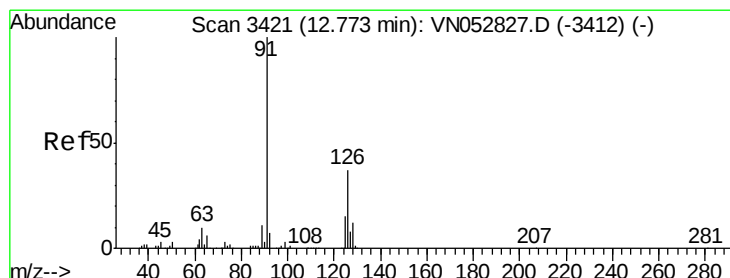
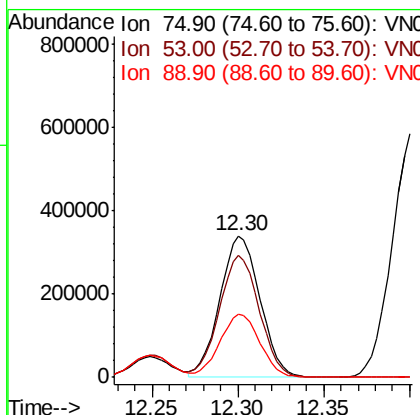
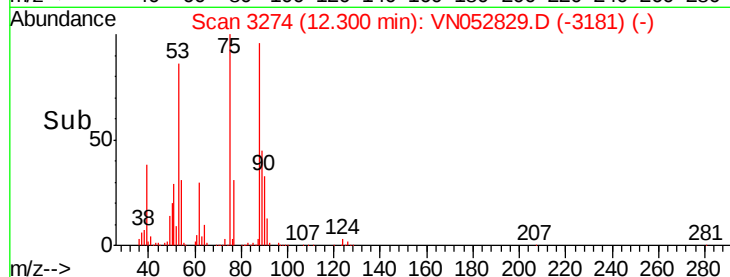
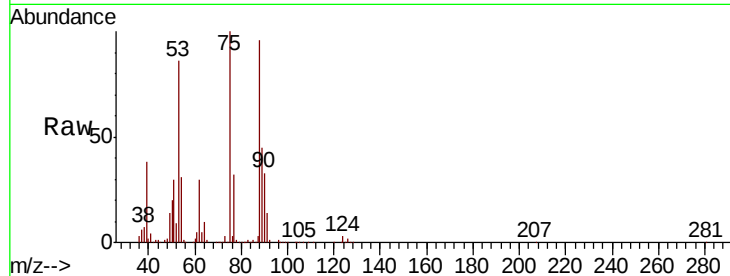
#81
trans-1,4-Dichloro-2-butene
Concen: 170.049 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	74.7	112.1
89	45.1	36.1	54.1

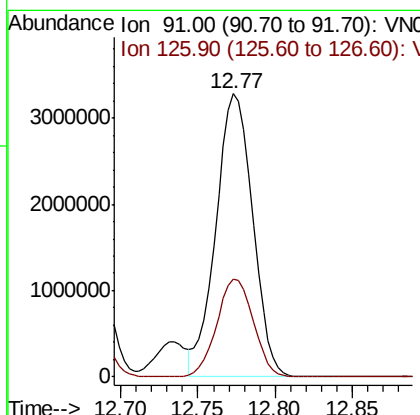
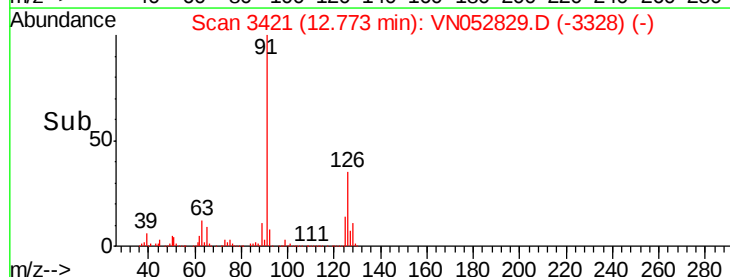
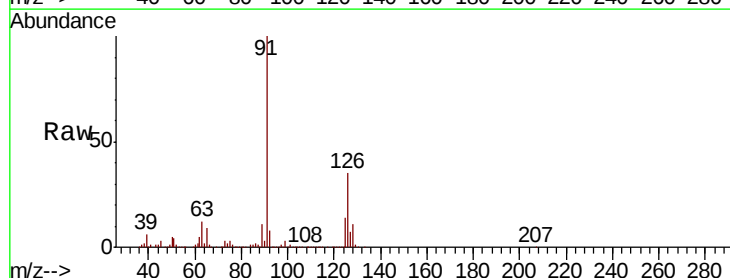
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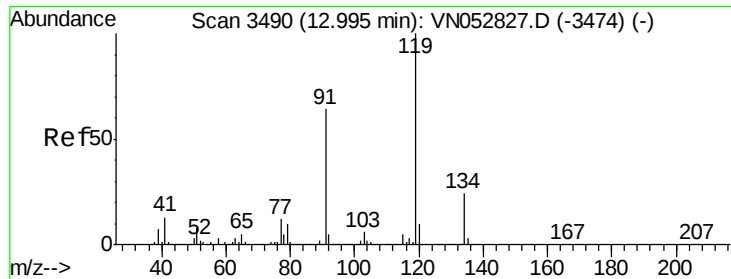
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#82
4-Chlorotoluene
Concen: 149.363 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





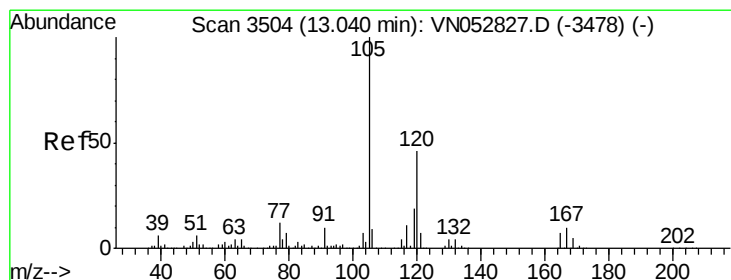
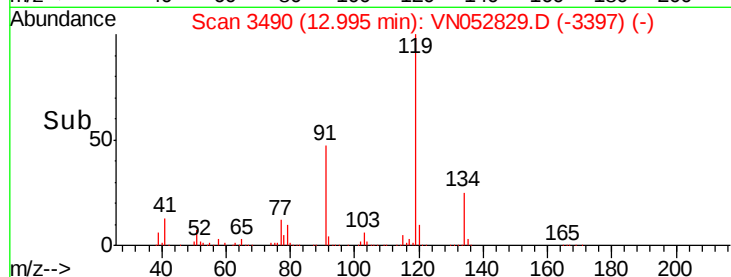
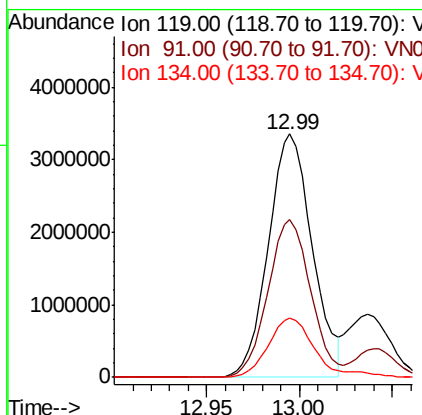
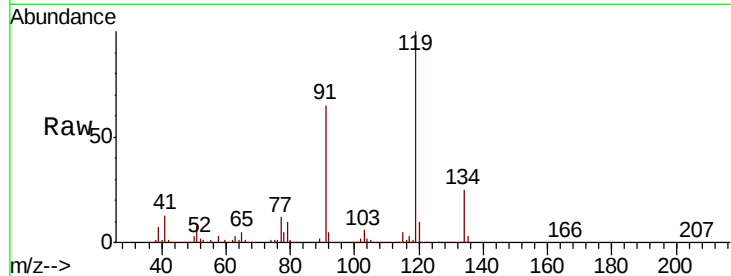
#83
tert-Butylbenzene
Concen: 148.198 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.9	95.5
134	25.9	12.8	38.4

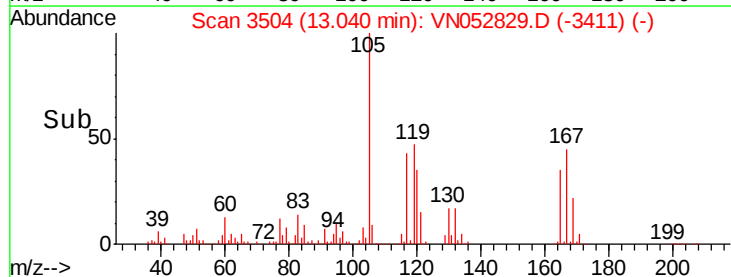
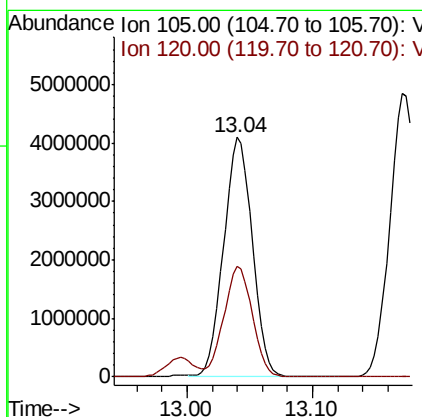
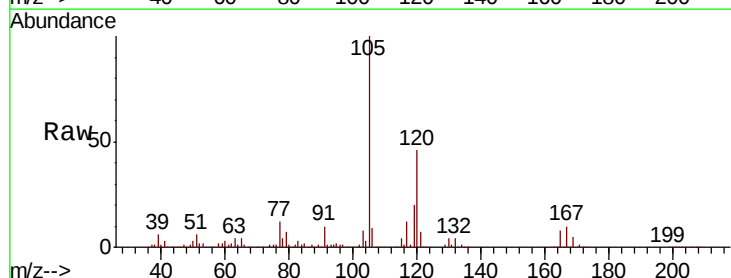
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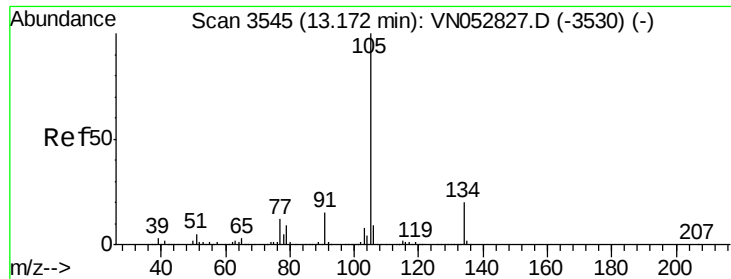
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 150.672 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





#85

sec-Butylbenzene

Concen: 151.317 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7678169

Ion Ratio Lower Upper

105 100

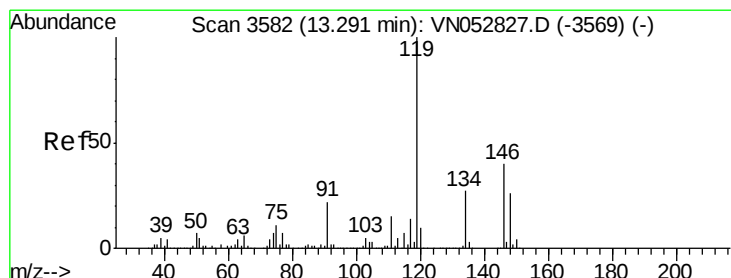
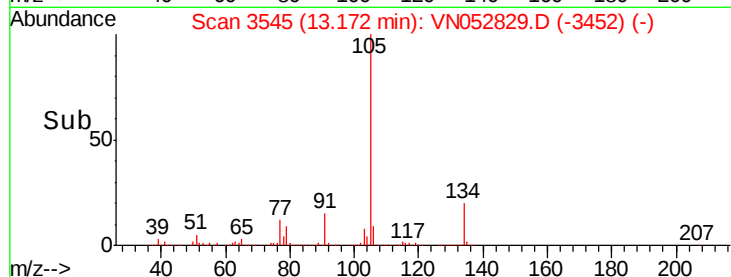
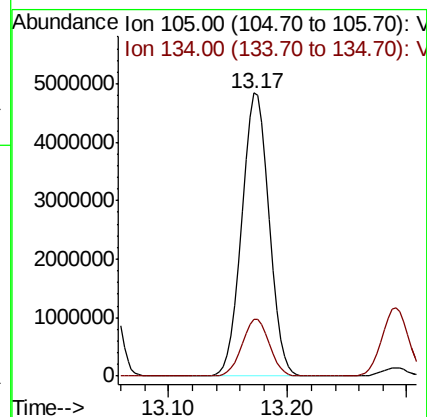
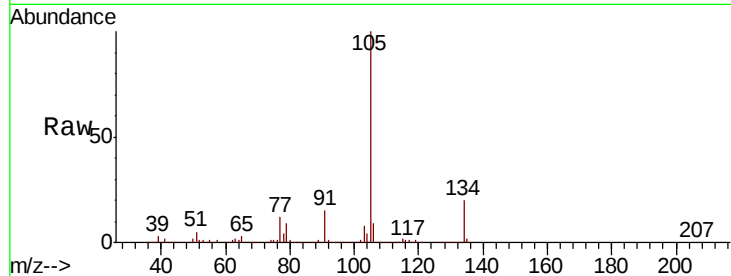
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 154.326 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

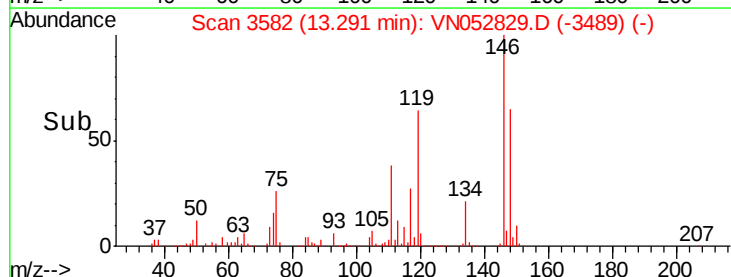
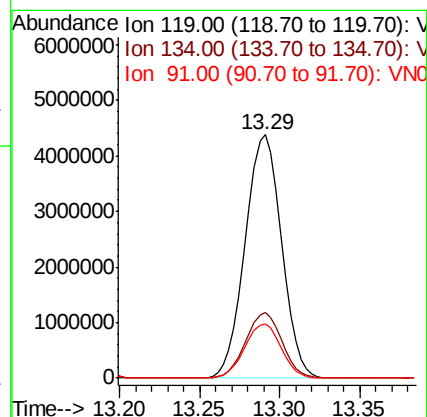
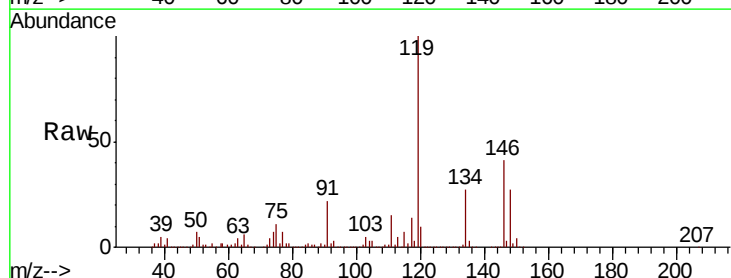
Tgt Ion:119 Resp: 6784479

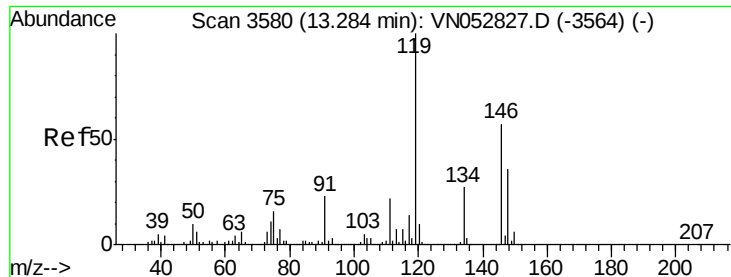
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 150.898 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 3588666

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.1

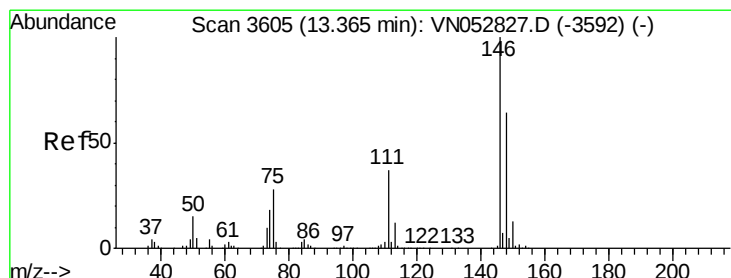
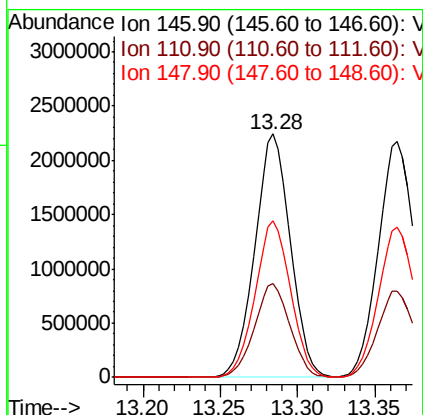
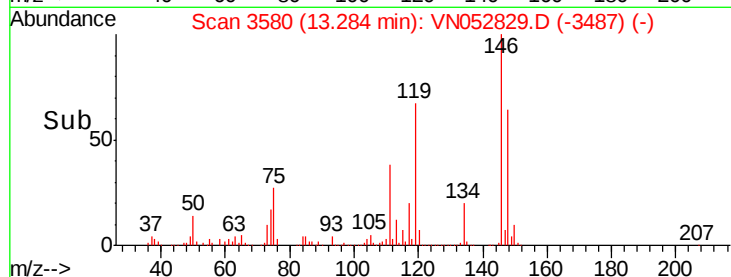
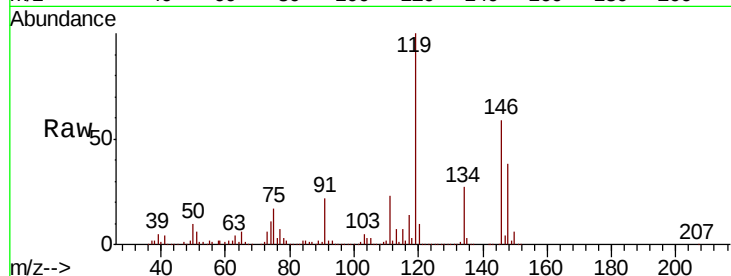
148 64.1 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 151.572 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052829.D

Acq: 12 Dec 2018 16:05

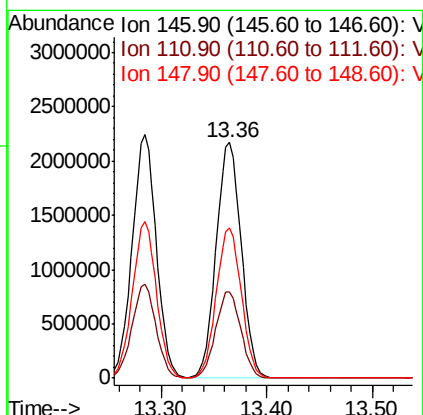
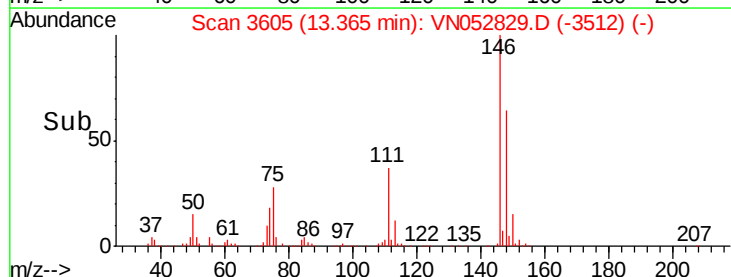
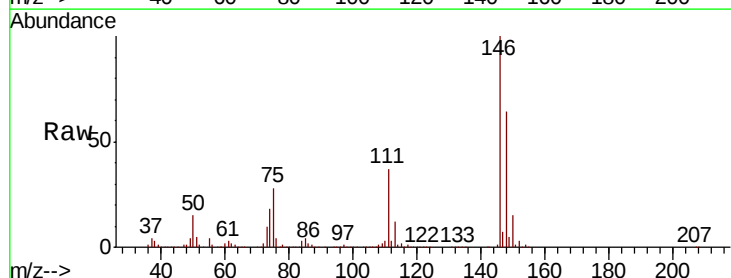
Tgt Ion:146 Resp: 3569743

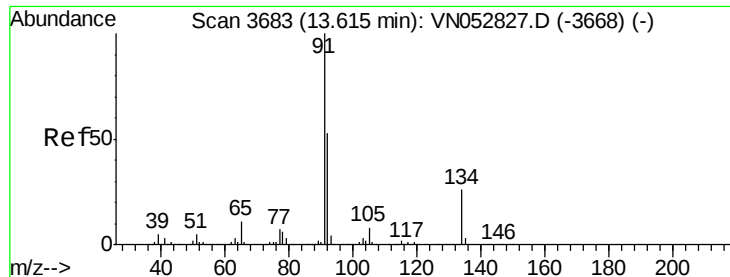
Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.8

148 63.7 32.1 96.5





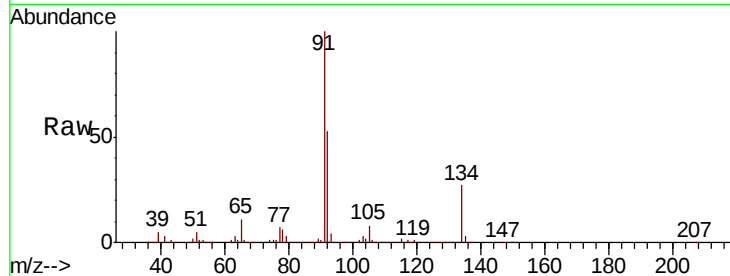
#89
n-Butylbenzene
Concen: 161.884 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

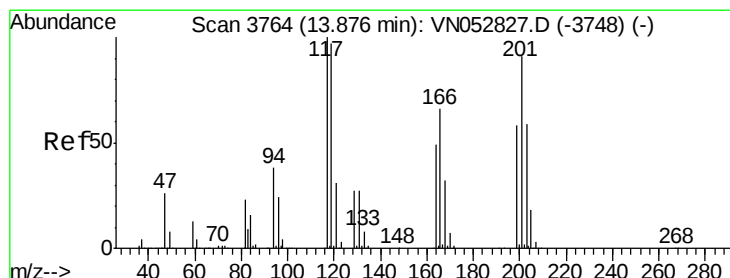
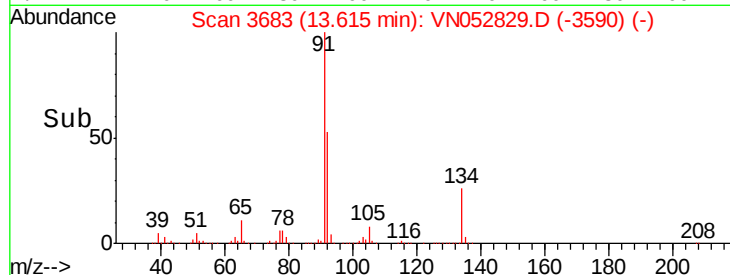
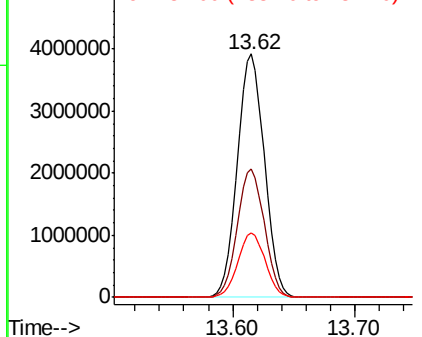
Tot Ion: 91 Resp: 5991105
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.5 13.3 39.8

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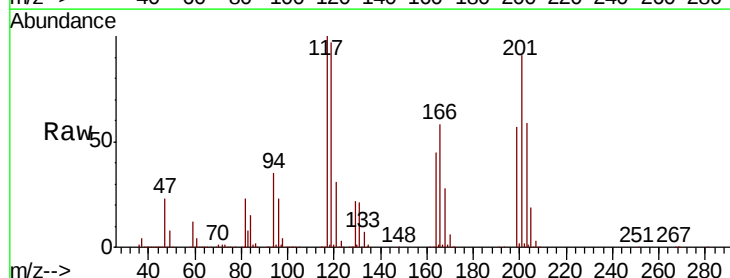


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

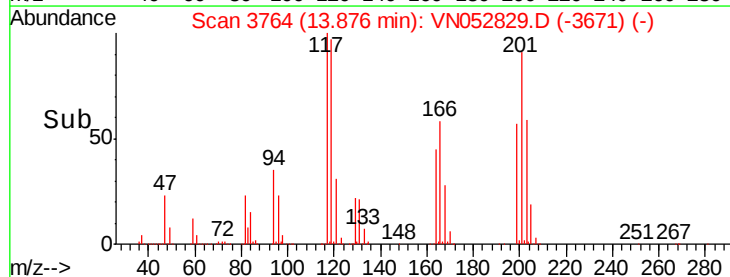
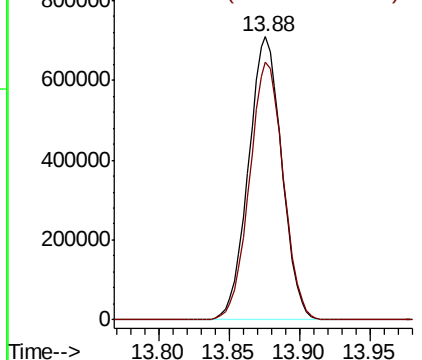


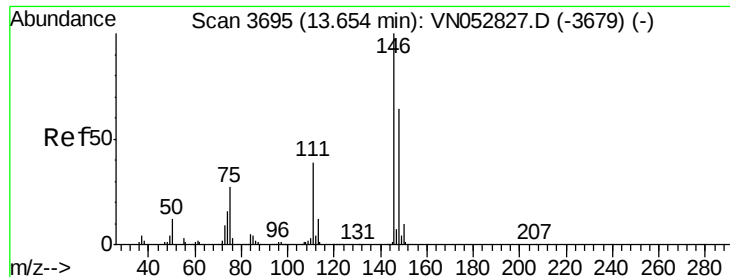
#90
Hexachloroethane
Concen: 159.823 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion: 117 Resp: 1176513
Ion Ratio Lower Upper
117 100
201 91.8 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





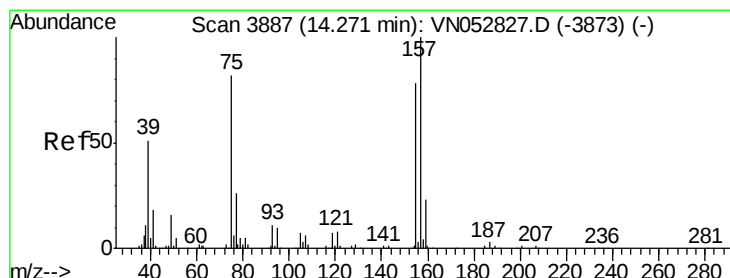
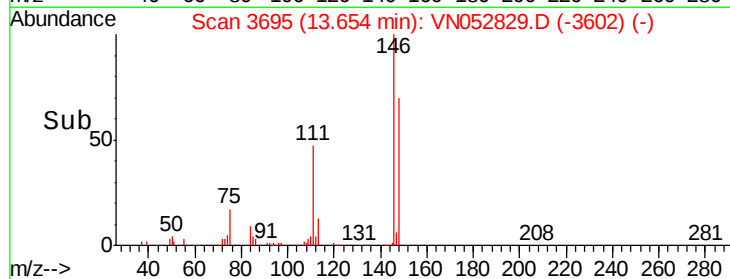
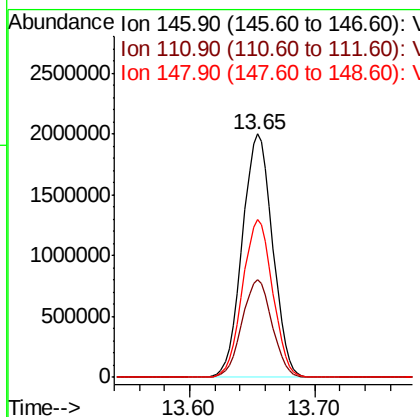
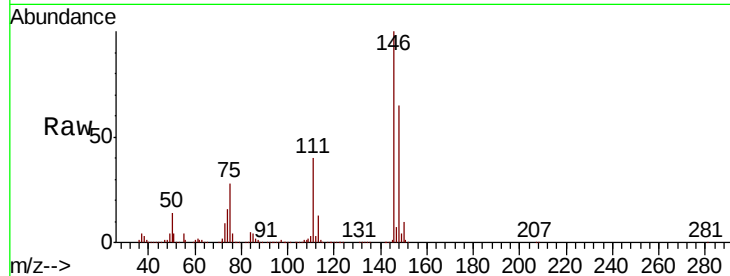
#91
 1,2-Dichlorobenzene
 Concen: 146.852 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.6	32.0	96.0

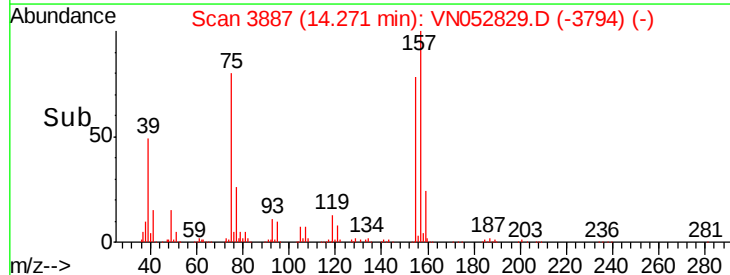
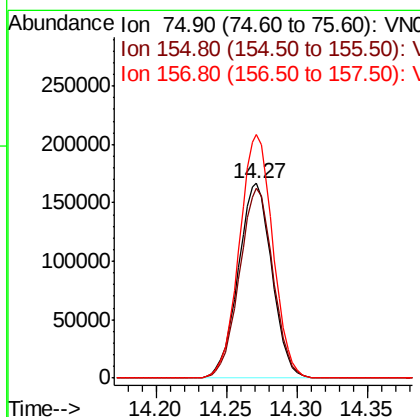
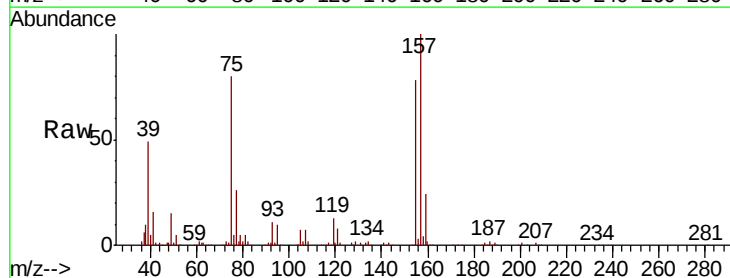
Manual Integrations
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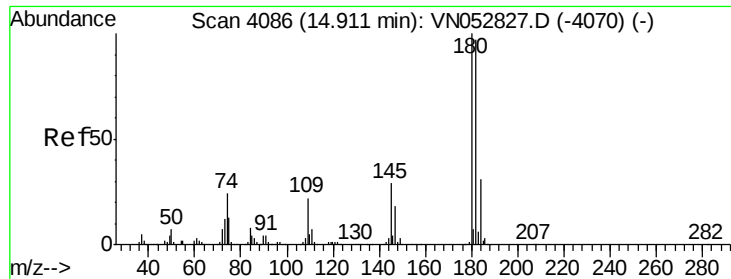
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.994 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.2	144.6
157	124.2	61.2	183.5





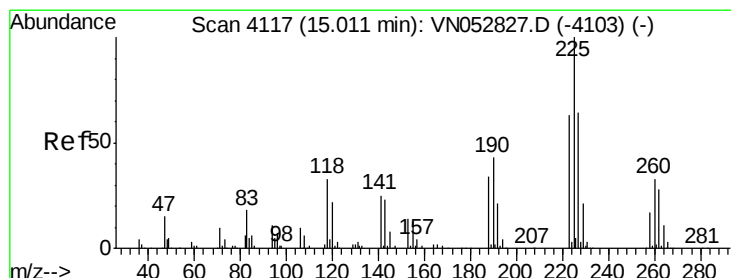
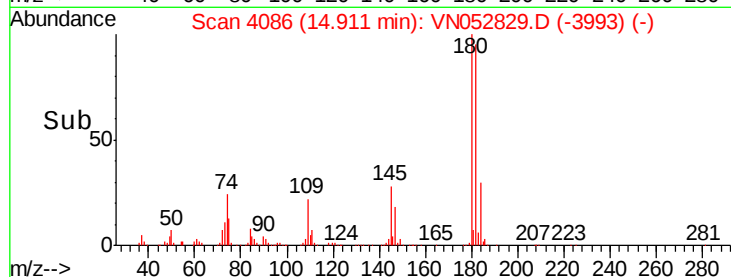
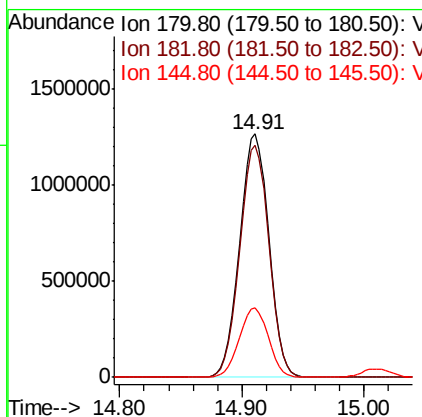
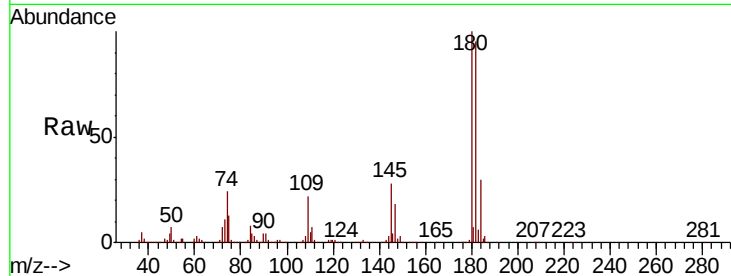
#93
 1,2,4-Trichlorobenzene
 Concen: 167.763 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	28.4	14.2	42.6

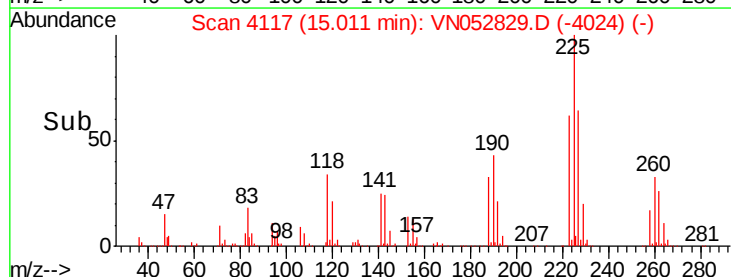
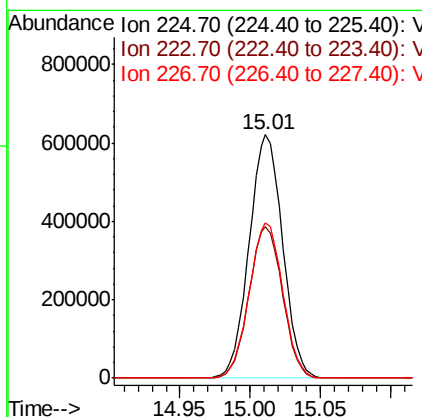
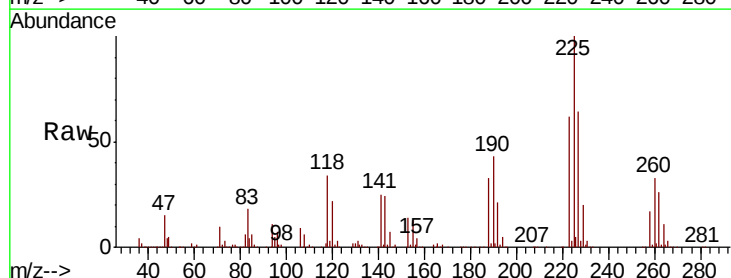
Manual Integrations
 APPROVED

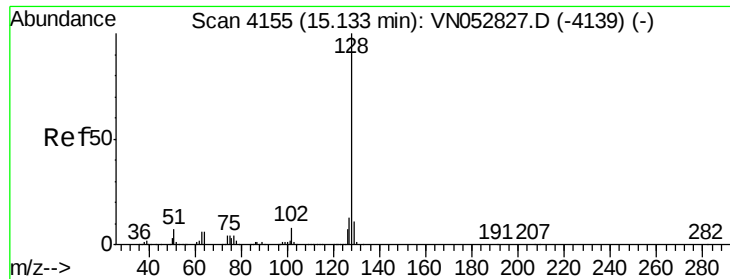
MMDadoda
 12/13/2018 1:36:20 PM



#94
 Hexachlorobutadiene
 Concen: 143.413 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052829.D
 Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	63.9	31.9	95.7





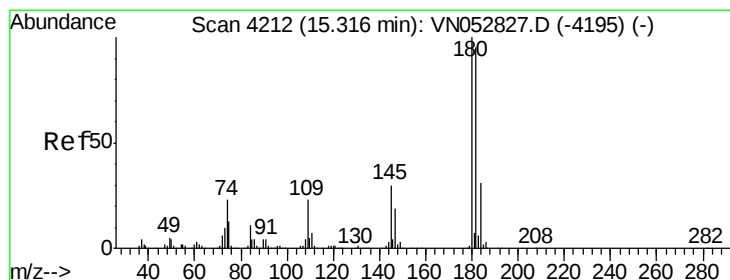
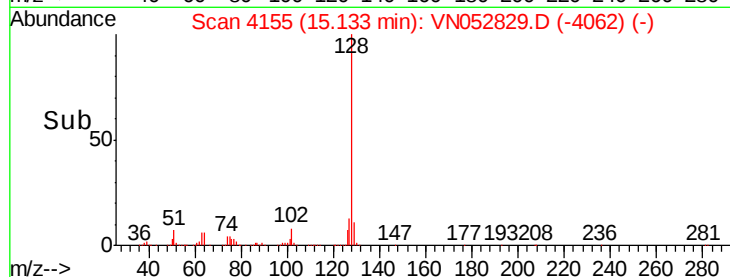
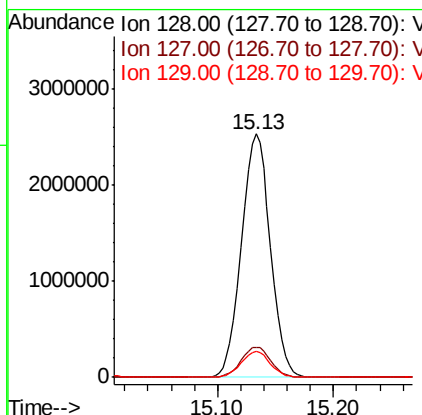
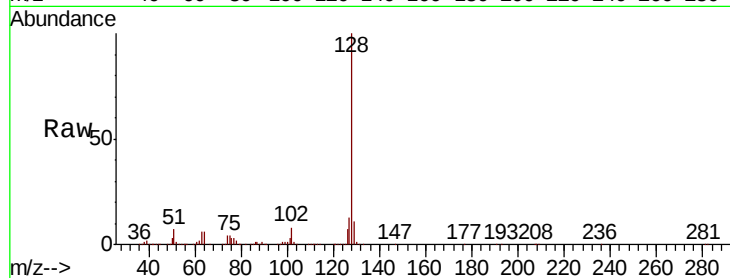
#95
Naphthalene
Concen: 170.225 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 165.797 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052829.D
Acq: 12 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	29.9	15.0	45.0

