

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051677.D
 Acq On : 5 Oct 2018 10:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:48 PM

Quant Time: Oct 05 11:08:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:05:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	149618	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	819157	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	810791	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	290143	27.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.57%
60) 4-Bromofluorobenzene	12.40	95	390711	32.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.67%
63) Toluene-d8	10.09	98	1043538	28.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1276244	145.319	ug/l 100
3) Chloromethane	2.06	50	1077737	120.915	ug/l 97
4) Vinyl Chloride	2.18	62	1691979	125.619	ug/l 99
5) Bromomethane	2.55	94	1348629	129.493	ug/l 88
6) Chloroethane	2.70	64	1116521	123.271	ug/l 100
7) Trichlorofluoromethane	3.01	101	1892226	122.068	ug/l 94
8) Diethyl Ether	3.41	74	507967	122.809	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	946811	118.520	ug/l 42
10) 1,1-Dichloroethene	3.73	96	873779	120.125	ug/l 90
11) Methyl Iodide	3.95	142	1384223	155.511	ug/l 95
12) Methyl Acetate	4.33	43	712901	125.046	ug/l 99
13) Acrolein	3.61	56	258556	615.191	ug/l 89
14) Acrylonitrile	4.99	53	1545779	672.782	ug/l # 60
15) Acetone	3.82	58	322031	570.086	ug/l 78
16) Carbon Disulfide	4.05	76	2628541	127.656	ug/l 98
17) Allyl chloride	4.32	41	1347925	128.539	ug/l 80
18) Methylene Chloride	4.55	84	1040000	128.138	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	1075280	133.134	ug/l 90
20) Diisopropyl ether	5.95	45	3103485	132.477	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	1885425	128.207	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	1248113	130.956	ug/l 87
23) tert-Butyl Alcohol	4.79	59	430536	738.404	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	2999779m	130.245	ug/l
25) Chloroform	7.37	83	2232083	135.596	ug/l 98
26) Cyclohexane	7.66	56	1645649	132.458	ug/l # 78
29) 1,1-Dichloropropene	7.80	75	1609961	147.352	ug/l 97
30) 2-Butanone	6.84	43	1764856	647.390	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	1785958	127.772	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	2152257	146.273	ug/l 95
33) Carbon Tetrachloride	7.77	117	1957329	146.844	ug/l 92
34) Benzene	8.04	78	4906674	148.733	ug/l # 60
35) Methacrylonitrile	7.17	41	477849	166.998	ug/l 78
36) 1,2-Dichloroethane	8.13	62	1593946	143.312	ug/l 98
37) Trichloroethene	8.84	130	1346312	146.281	ug/l 98
38) Methylcyclohexane	9.08	83	1992922	143.253	ug/l 82
39) 1,2-Dichloropropane	9.12	63	1143254	139.795	ug/l 97
40) Dibromomethane	9.21	93	844182	151.592	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1858519	149.042	ug/l	94
42) Vinyl Acetate	5.90	43	11254107	713.284	ug/l #	91
43) Ethyl Acetate	6.93	43	820255	146.293	ug/l	98
44) Isopropyl Acetate	8.17	43	1713907	136.374	ug/l	98
45) 1,4-Dioxane	9.20	88	243888	3161.987	ug/l #	78
46) Methyl methacrylate	9.20	41	801267	144.611	ug/l	81
47) n-amyl Acetate	12.07	43	1612287m	154.924	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1984792	159.534	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2062916	152.399	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	1214302	155.398	ug/l	95
51) Ethyl methacrylate	10.43	69	1556608	156.955	ug/l	86
52) 1,3-Dichloropropane	10.71	76	1885997	150.591	ug/l	97
53) Dibromochloromethane	10.90	129	1655843	162.944	ug/l	96
54) 1,2-Dibromoethane	11.01	107	1318145	162.257	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3226415	785.419	ug/l	94
56) Bromoform	12.13	173	1256476	175.251	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	4483559	656.767	ug/l #	89
59) 2-Hexanone	10.75	43	3018238	652.414	ug/l #	91
61) Tetrachloroethene	10.63	164	1337344	137.716	ug/l	96
62) Toluene	10.16	91	5999900	145.139	ug/l	98
64) Chlorobenzene	11.43	112	3957814	150.173	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	1603929	149.367	ug/l	100
66) Ethyl Benzene	11.51	91	6827894	147.241	ug/l	99
67) m/p-Xylenes	11.62	106	5548951	300.352	ug/l	98
68) o-Xylene	11.95	106	2717779	148.897	ug/l	91
69) Styrene	11.96	104	4545660	157.976	ug/l	97
70) Isopropylbenzene	12.25	105	7365116	150.486	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1509066	146.946	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	1165601m	141.185	ug/l	
73) Bromobenzene	12.53	156	1878355	162.021	ug/l	84
74) n-propylbenzene	12.59	91	8116932	150.695	ug/l	94
75) 2-Chlorotoluene	12.68	91	4745121	150.791	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	6215849	149.468	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	493688	165.689	ug/l	92
78) 4-Chlorotoluene	12.77	91	4932250	157.870	ug/l	92
79) tert-butylbenzene	12.99	119	5609245	150.091	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	6237901	151.137	ug/l	97
81) sec-Butylbenzene	13.17	105	7425025	148.130	ug/l	97
82) p-Isopropyltoluene	13.29	119	6773422	154.743	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	3461747	168.362	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	3364613	172.068	ug/l	98
85) n-Butylbenzene	13.62	91	5548891	161.905	ug/l	94
86) Hexachloroethane	13.88	117	1297956	148.663	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	3292734	162.092	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	255969	152.500	ug/l #	78
89) 1,2,4-Trichlorobenzene	14.91	180	1818485	217.466	ug/l	98
90) Hexachlorobutadiene	15.01	225	968396	155.255	ug/l	97
91) Naphthalene	15.13	128	3890351	217.585	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1701048	205.053	ug/l	92

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ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

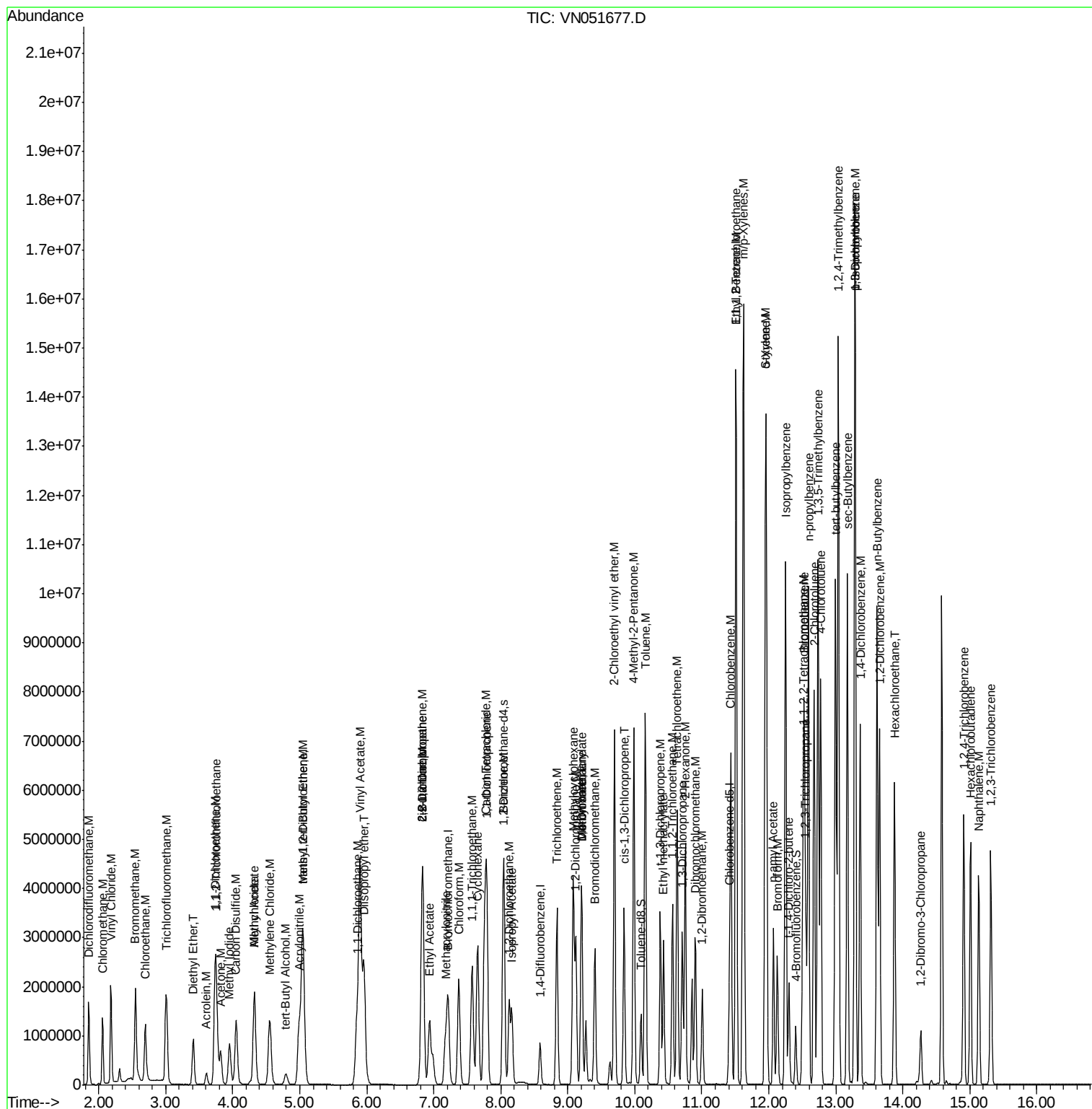
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Data File : VN051677.D
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Operator : MD\SY
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

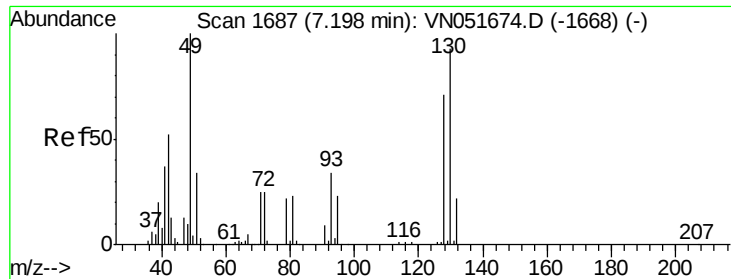
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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10/8/2018 3:58:48 PM

Quant Time: Oct 05 11:08:20 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

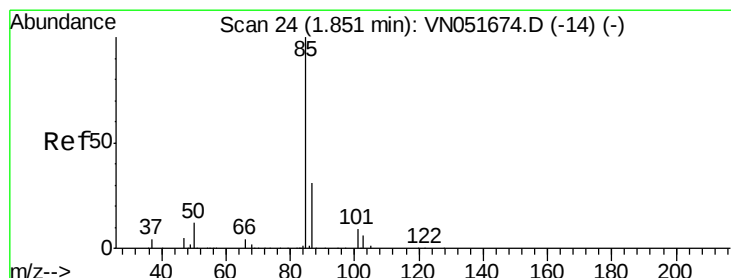
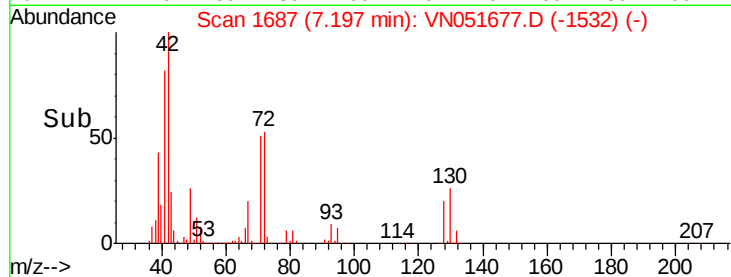
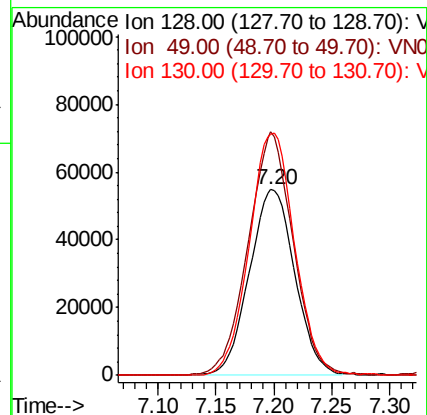
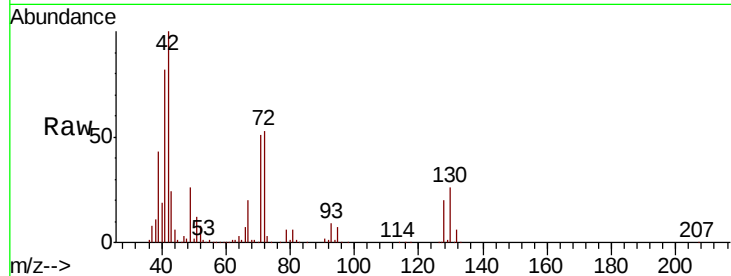
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	149618
Ion	Ratio	Lower	Upper
128	100		
49	129.8	0.0	403.3
130	129.8	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 145.319 ug/l

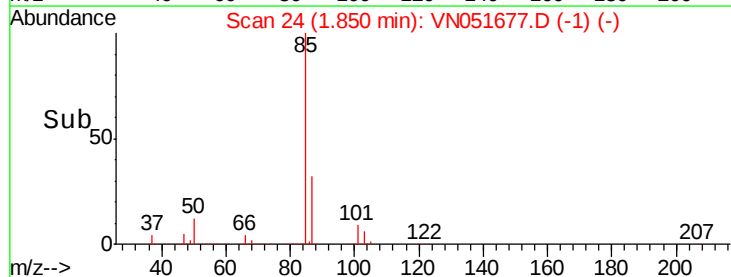
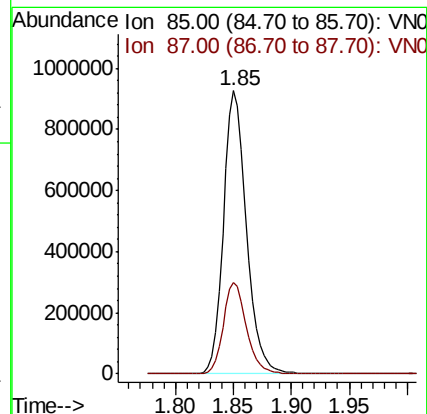
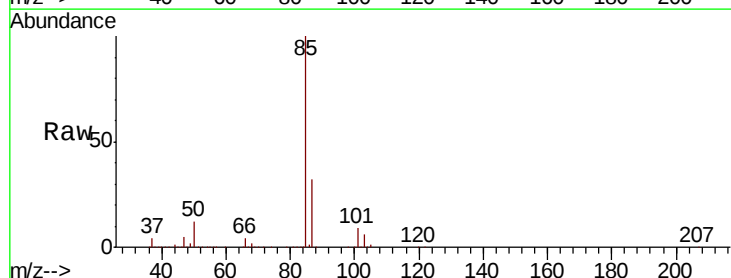
RT: 1.85 min Scan# 24

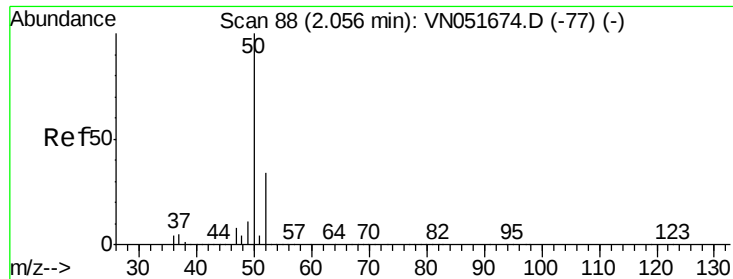
Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Tgt Ion:	85	Resp:	1276244
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.3	48.8





#3

Chloromethane

Concen: 120.915 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1077737

Ion Ratio Lower Upper

50 100

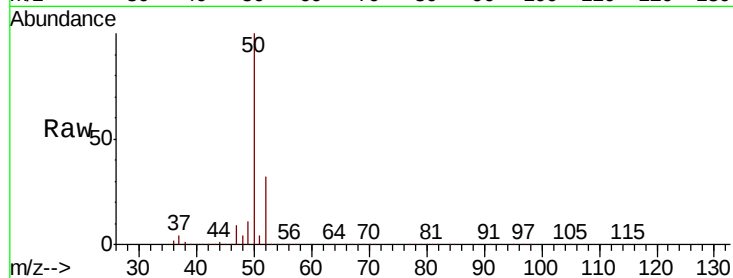
52 32.5 27.2 40.8

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

2.06

800000

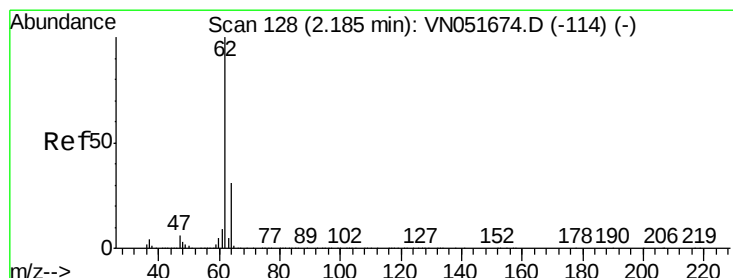
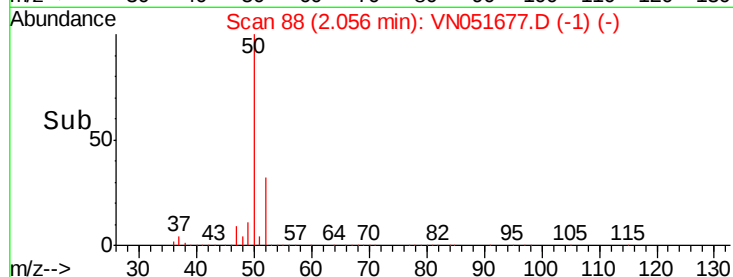
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 125.619 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051677.D

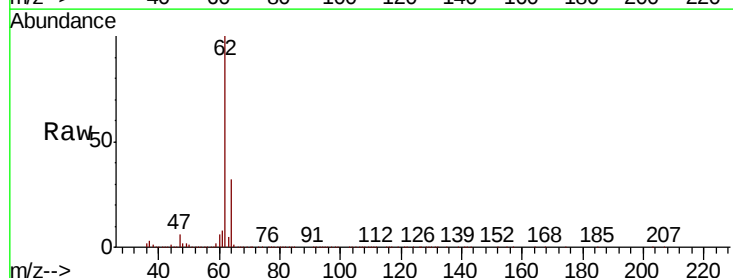
Acq: 5 Oct 2018 10:49

Tgt Ion: 62 Resp: 1691979

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

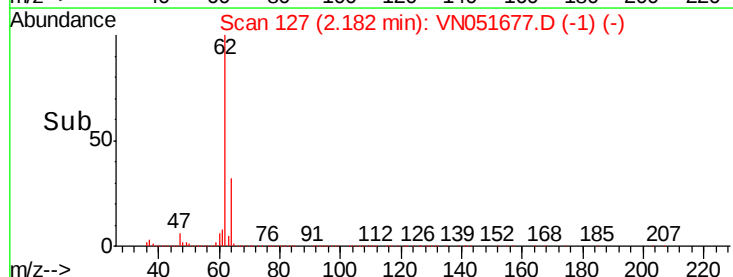
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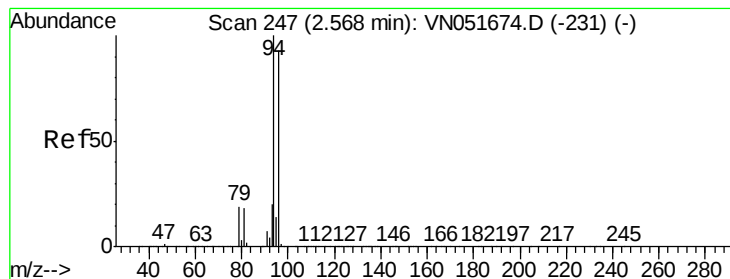
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500000

0

Time-->





#5

Bromomethane

Concen: 129.493 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 1348629

Ion Ratio Lower Upper

94 100

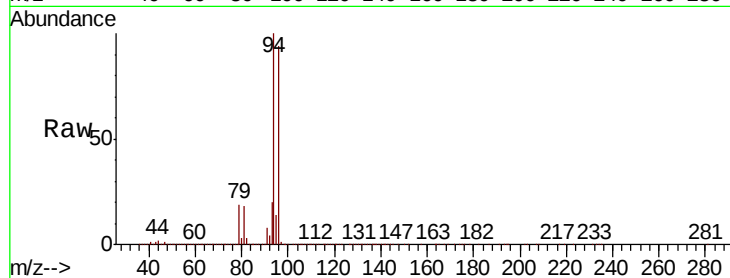
96 93.6 66.4 99.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

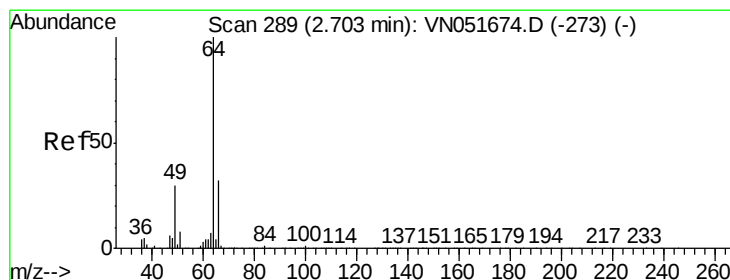
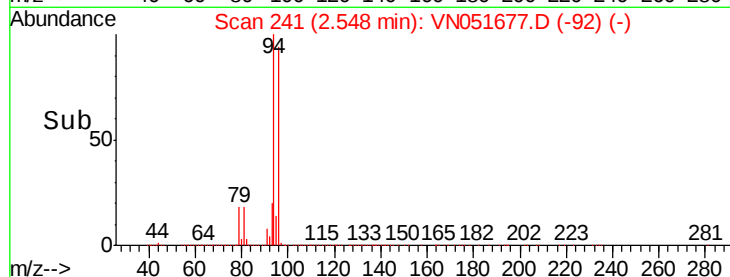
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400000

200000

0

Time-->



#6

Chloroethane

Concen: 123.271 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051677.D

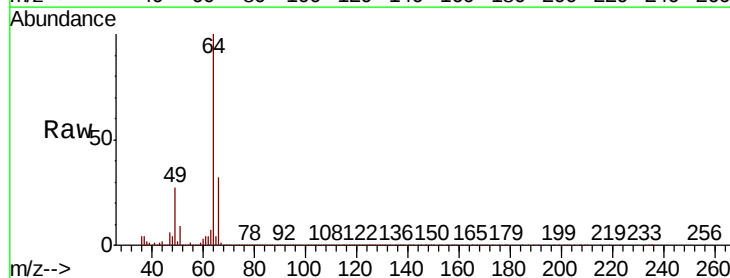
Acq: 5 Oct 2018 10:49

Tgt Ion: 64 Resp: 1116521

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

600000

500000

400000

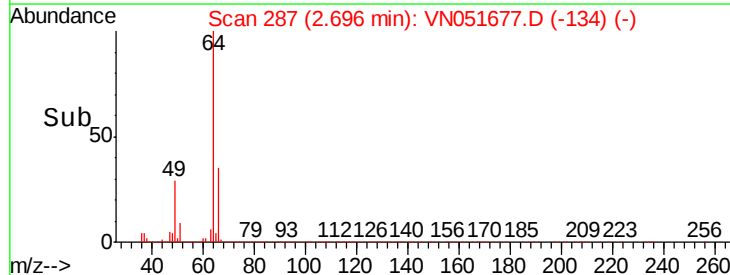
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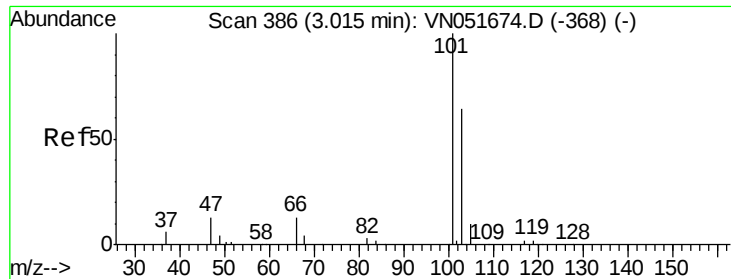
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Time-->





#7

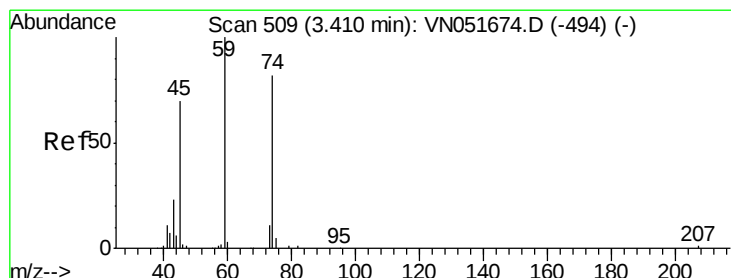
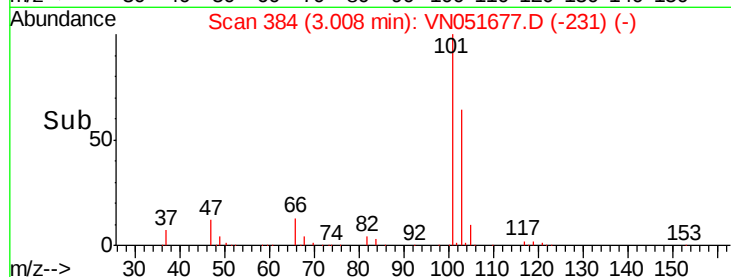
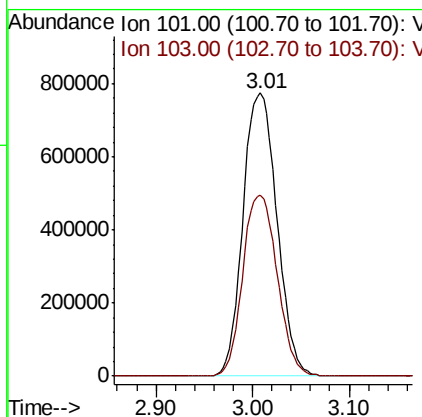
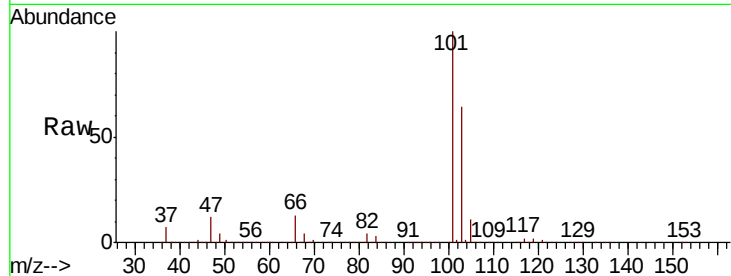
Trichlorofluoromethane
Concen: 122.068 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1892226
Ion Ratio Lower Upper
101 100
103 63.9 54.8 82.2

Manual Integrations
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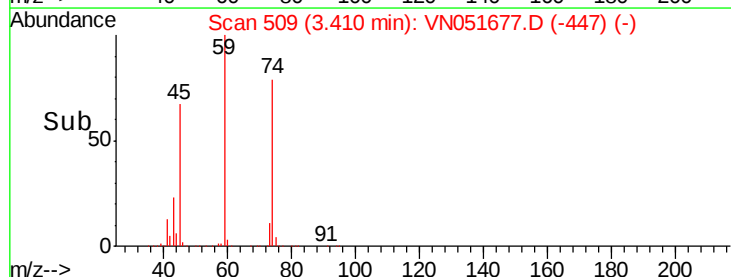
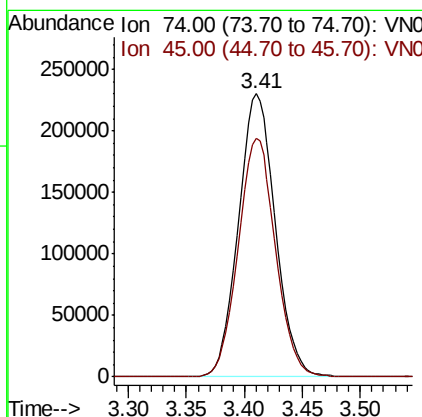
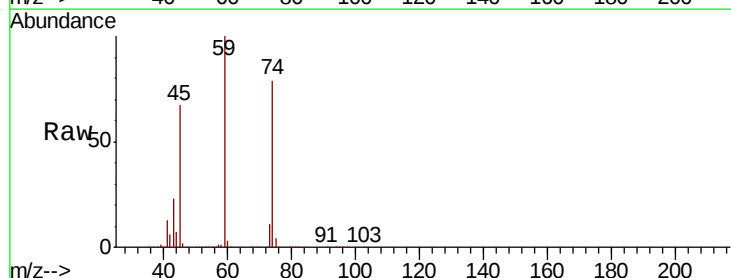
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10/8/2018 3:58:48 PM

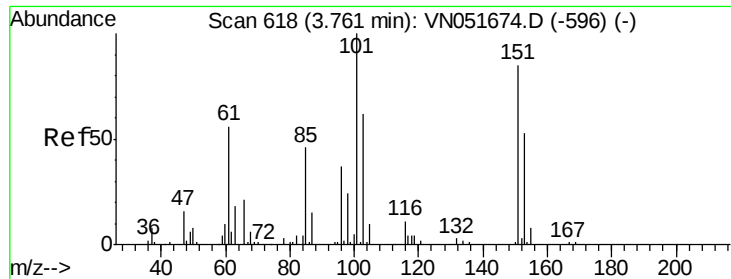


#8

Diethyl Ether
Concen: 122.809 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion: 74 Resp: 507967
Ion Ratio Lower Upper
74 100
45 85.0 20.7 186.5





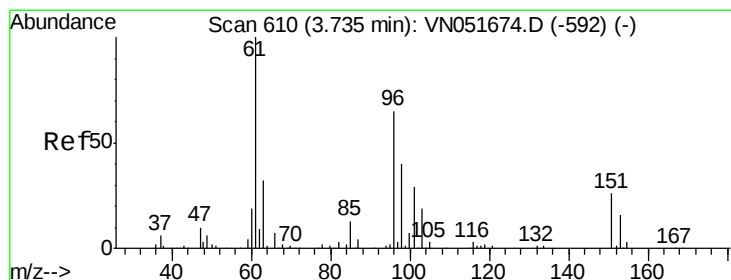
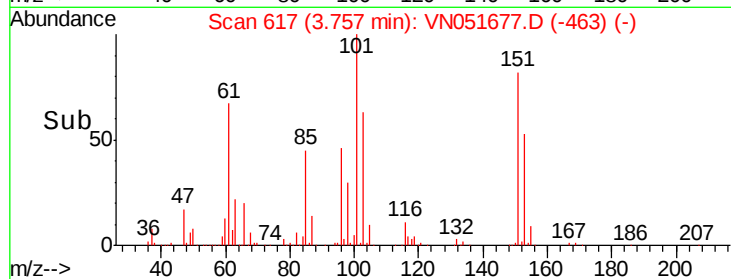
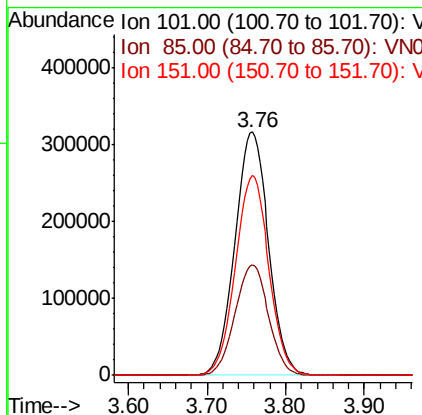
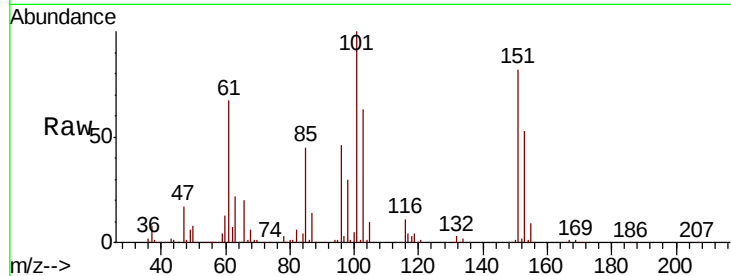
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 118.520 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	946811		
85	45.3	0.0	46.0	
151	81.8	0.0	82.2	

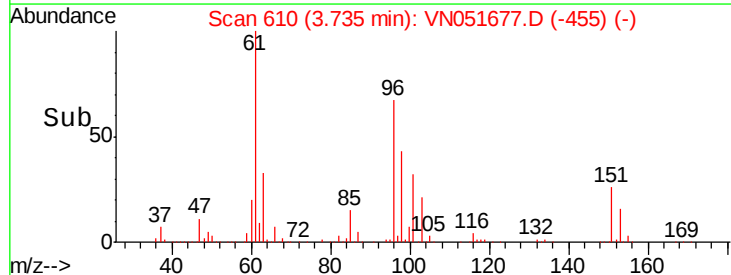
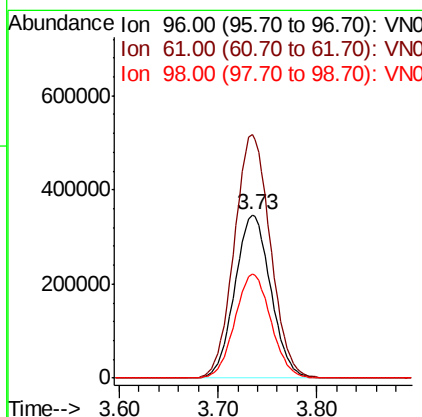
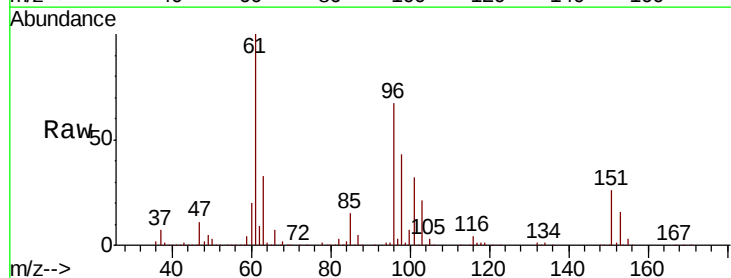
Manual Integrations
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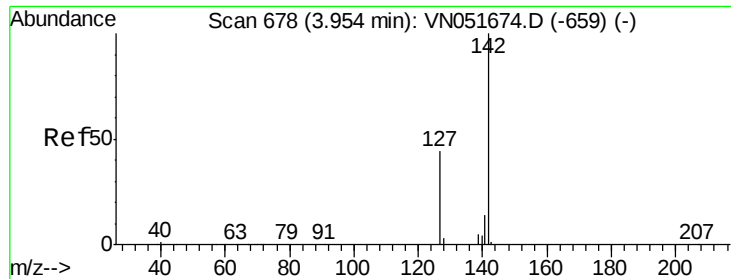
MMDadoda
 10/8/2018 3:58:48 PM



#10
 1,1-Dichloroethene
 Concen: 120.125 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	873779		
61	149.1	133.0	199.6	
98	63.4	52.6	78.8	





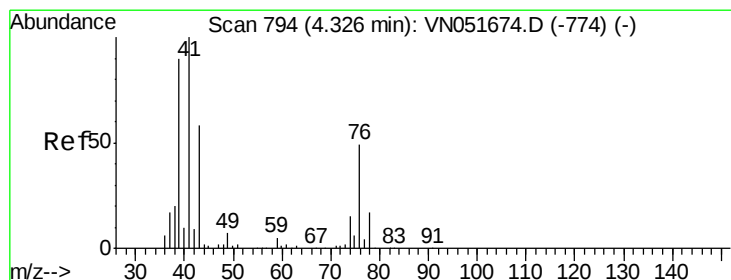
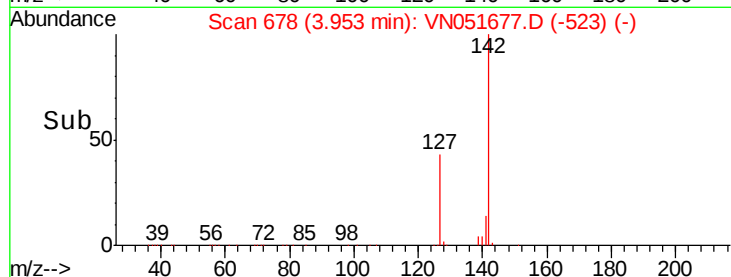
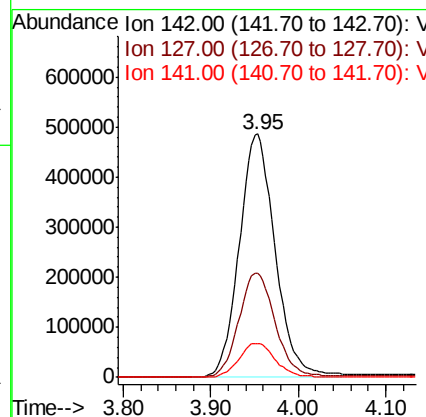
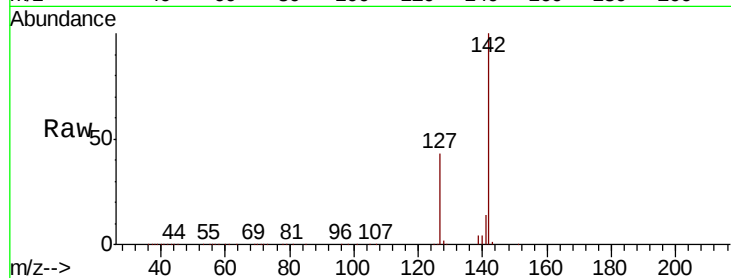
#11
Methyl Iodide
Concen: 155.511 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 1384223
Ion Ratio Lower Upper
142 100
127 42.8 19.7 59.0
141 14.1 6.3 18.9

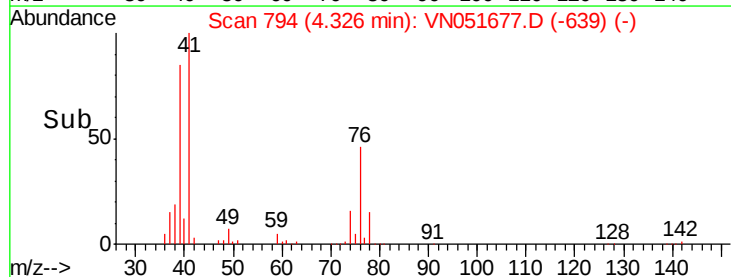
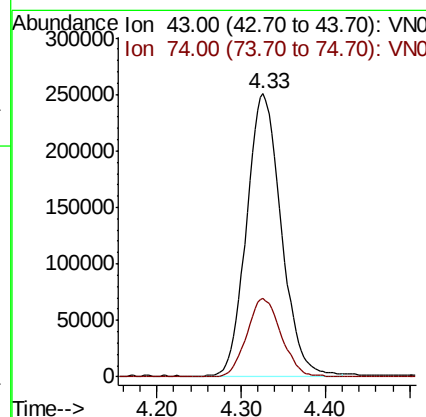
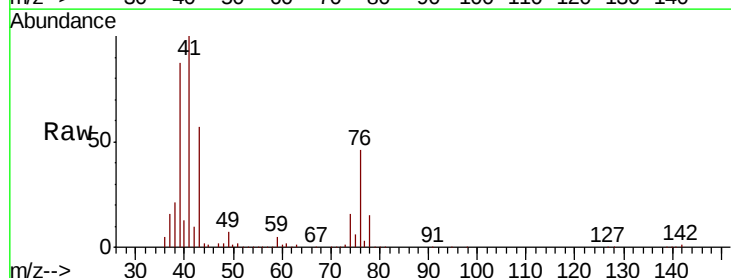
Manual Integrations
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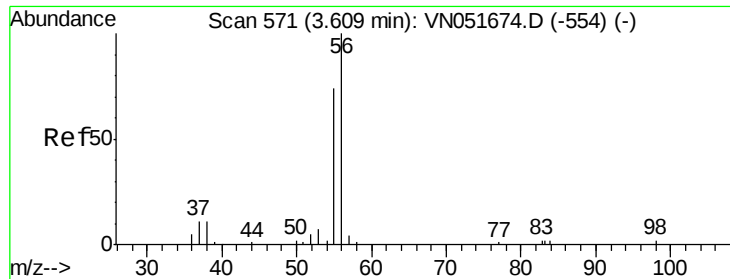
MMDadoda
10/8/2018 3:58:48 PM



#12
Methyl Acetate
Concen: 125.046 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion: 43 Resp: 712901
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.6





#13

Acrolein

Concen: 615.191 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 258556

Ion Ratio Lower Upper

56 100

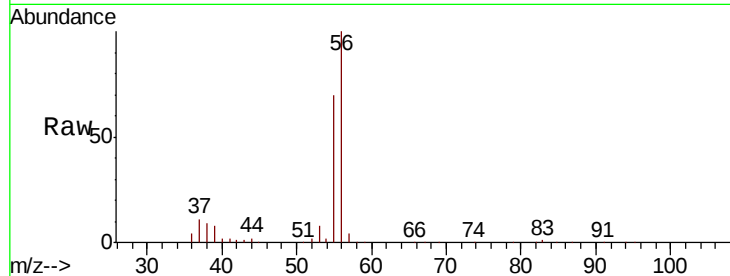
55 70.5 64.0 96.0

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

40000

20000

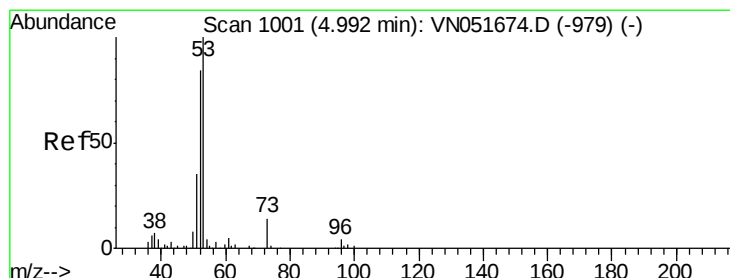
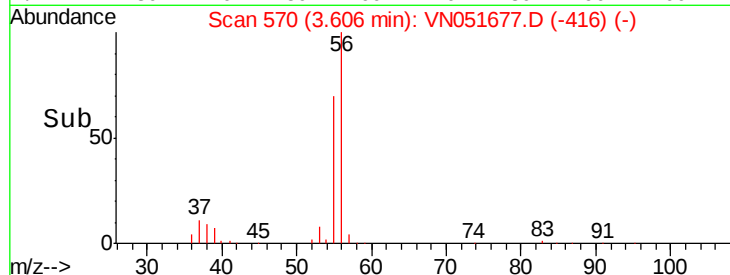
0

3.50

3.60

3.70

Time-->



#14

Acrylonitrile

Concen: 672.782 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

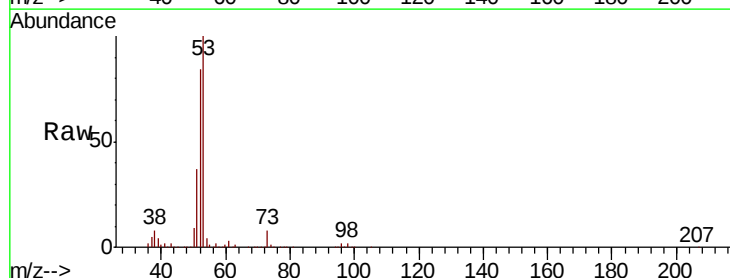
Tgt Ion: 53 Resp: 1545779

Ion Ratio Lower Upper

53 100

52 83.4 18.3 54.8#

51 37.8 19.7 59.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

600000

500000

400000

300000

200000

100000

0

4.80

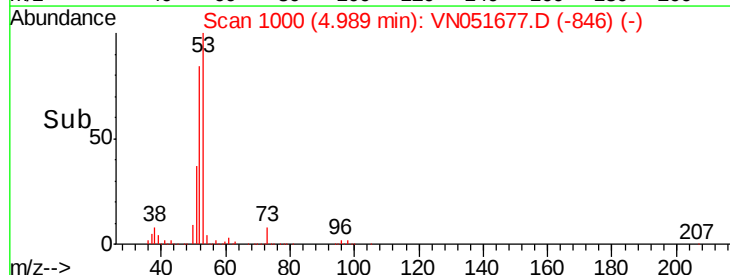
4.90

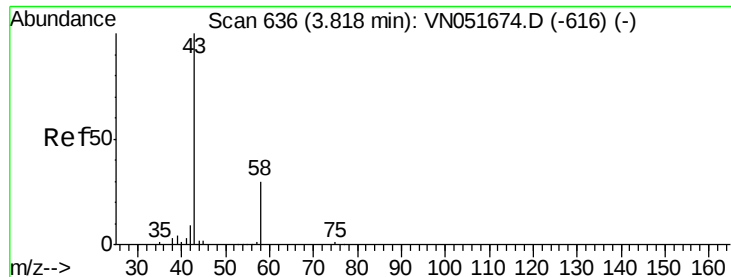
5.00

5.10

5.20

Time-->





#15

Acetone

Concen: 570.086 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 322031

Ion Ratio Lower Upper

58 100

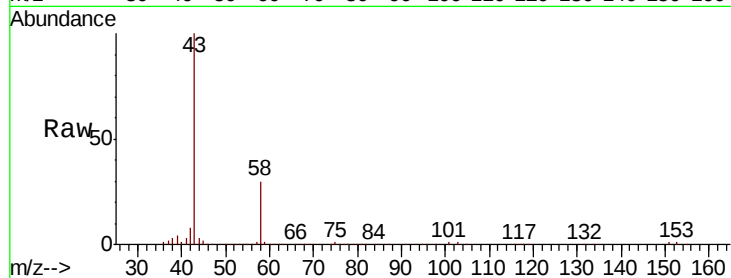
43 332.1 232.2 348.2

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

400000

300000

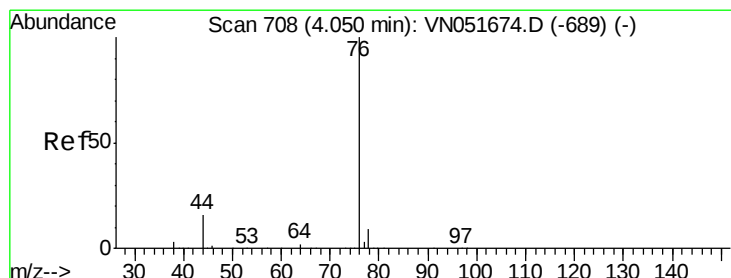
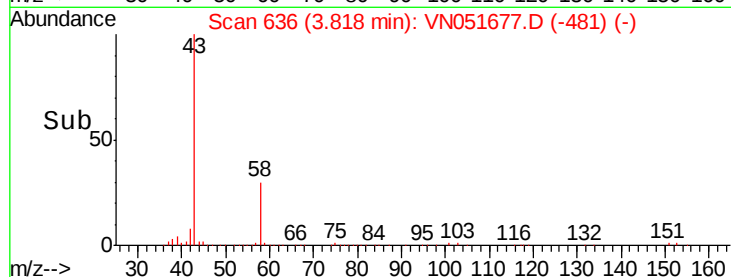
200000

100000

0

3.82

Time-->



#16

Carbon Disulfide

Concen: 127.656 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051677.D

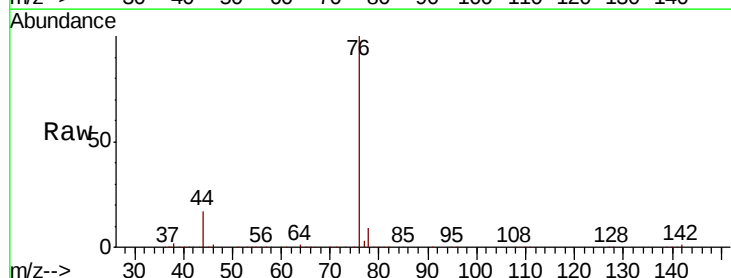
Acq: 5 Oct 2018 10:49

Tgt Ion: 76 Resp: 2628541

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

1000000

800000

600000

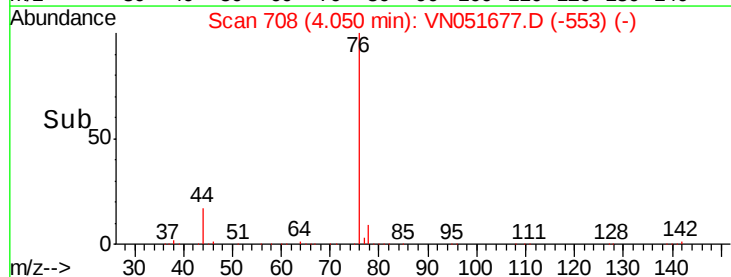
400000

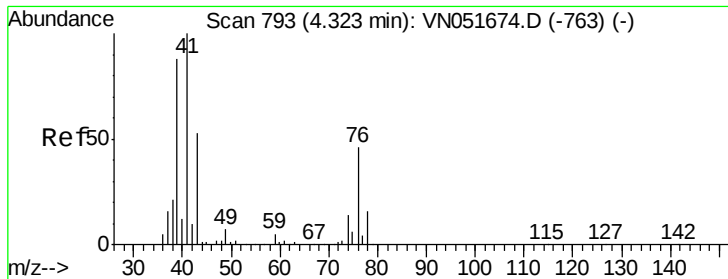
200000

0

4.05

Time-->





#17

Allvl chloride

Concen: 128.539 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 1347925

Ion Ratio Lower Upper

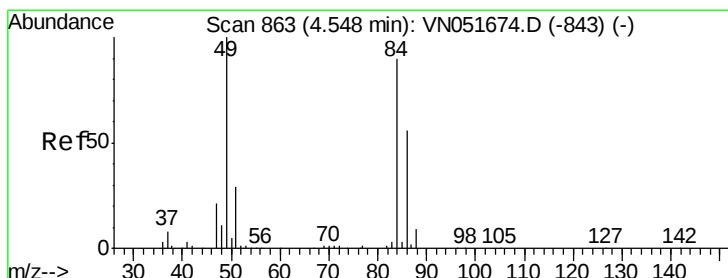
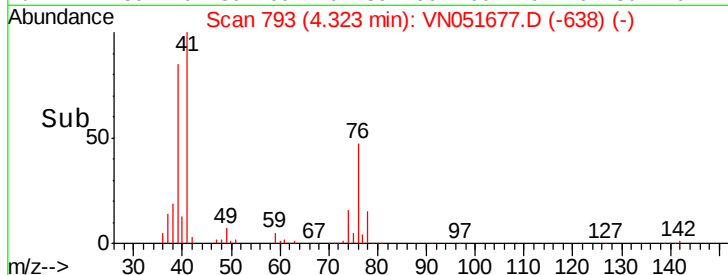
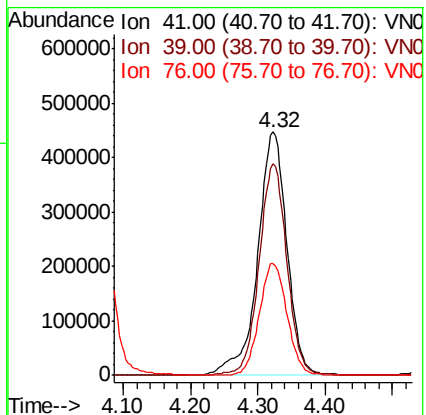
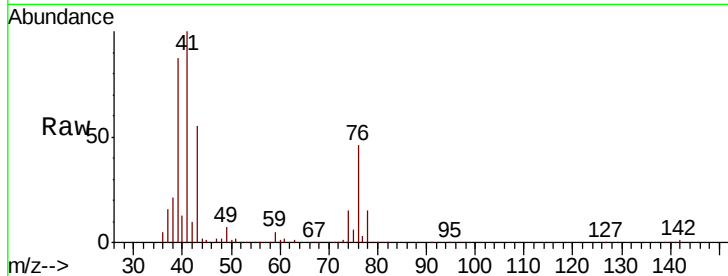
41 100

39 86.7 32.6 97.8

76 45.9 20.2 60.5

Manual Integrations
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#18

Methylene Chloride

Concen: 128.138 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Tgt Ion: 84 Resp: 1040000

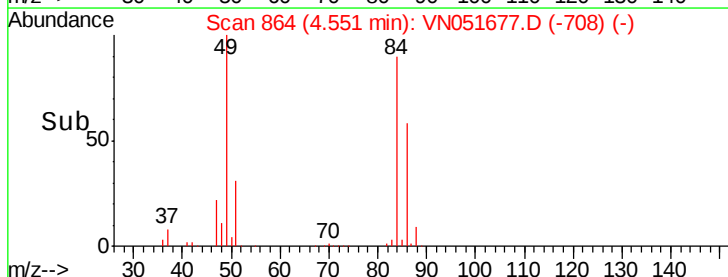
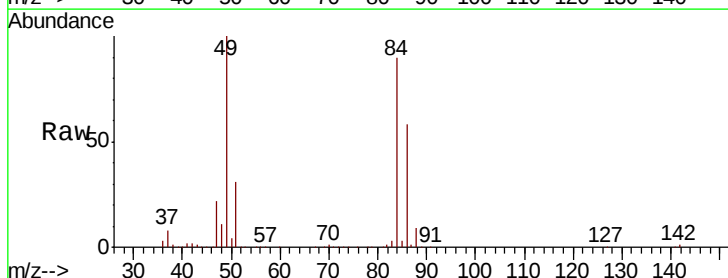
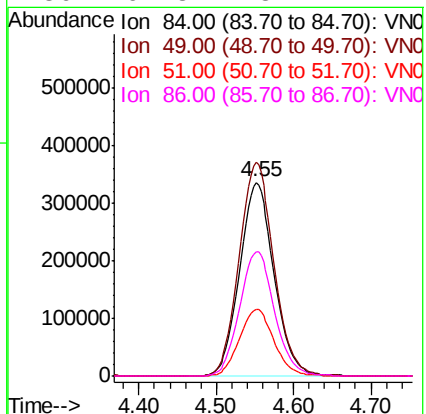
Ion Ratio Lower Upper

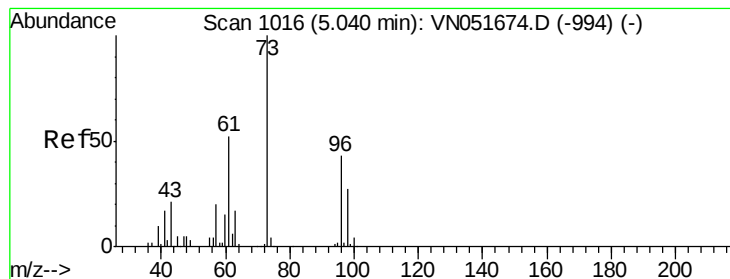
84 100

49 110.5 91.6 137.4

51 34.5 29.8 44.6

86 64.3 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 133.134 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 1075280

Ion Ratio Lower Upper

96 100

61 125.6 112.3 168.5

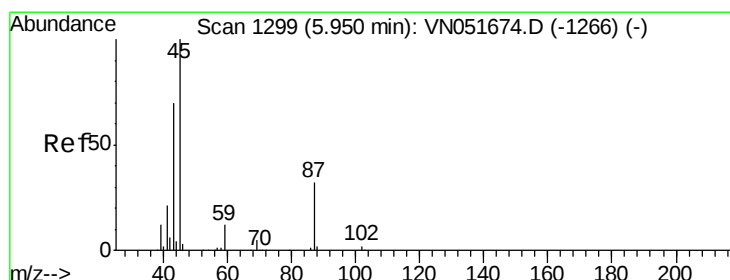
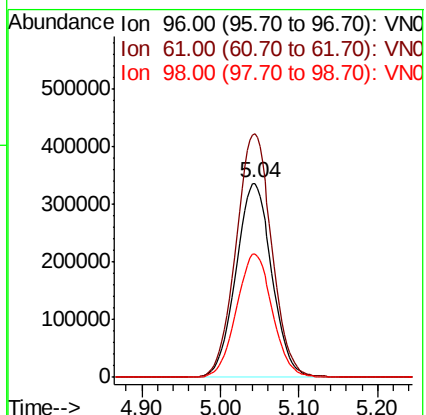
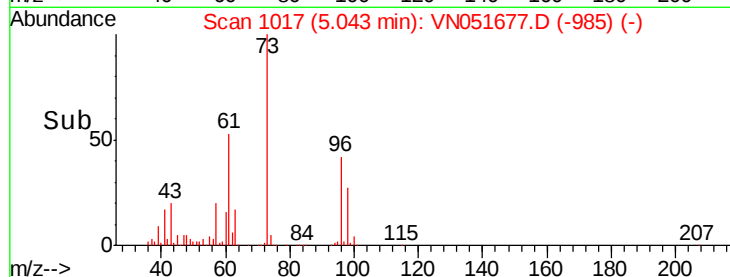
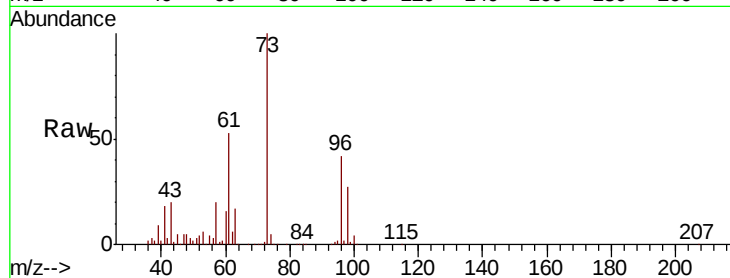
98 63.5 47.1 70.7

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#20

Diisopropyl ether

Concen: 132.477 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Tgt Ion: 45 Resp: 3103485

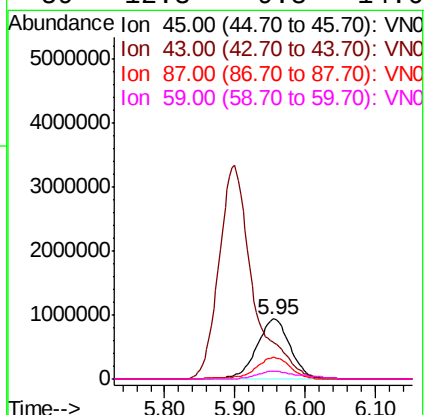
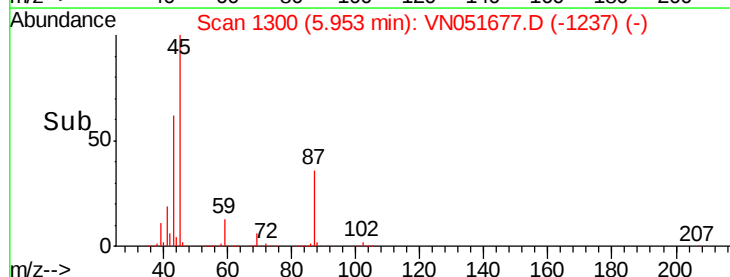
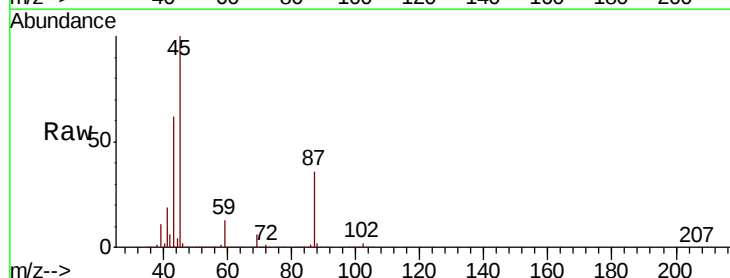
Ion Ratio Lower Upper

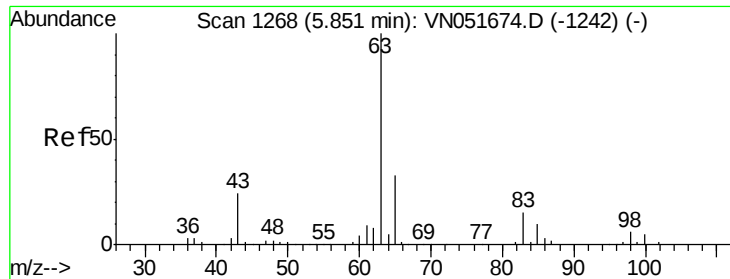
45 100

43 61.3 62.1 93.1#

87 35.5 19.9 29.9#

59 12.3 9.8 14.6





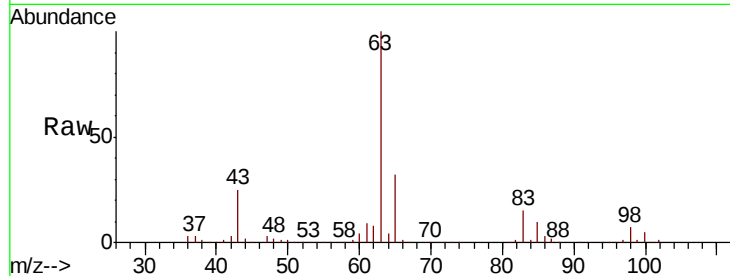
#21
 1,1-Dichloroethane
 Concen: 128.207 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.1	4.1	12.3
100	4.5	1.6	4.7

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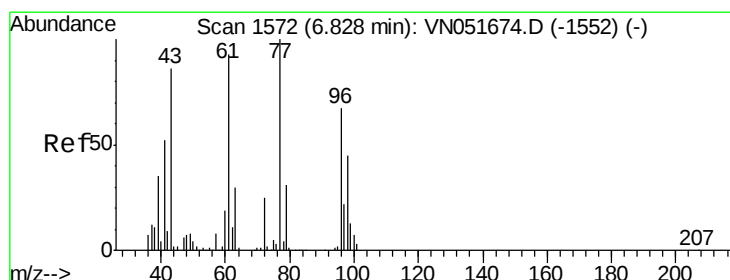
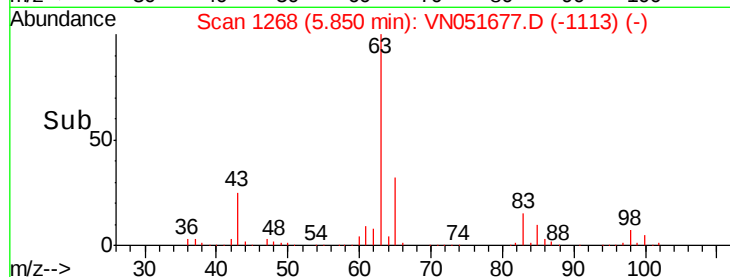
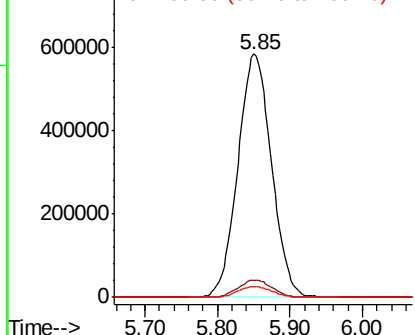


Abundance

Ion 63.00 (62.70 to 63.70): VN051677.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051677.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051677.D (-1242) (-)



#22
 cis-1,2-Dichloroethene
 Concen: 130.956 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

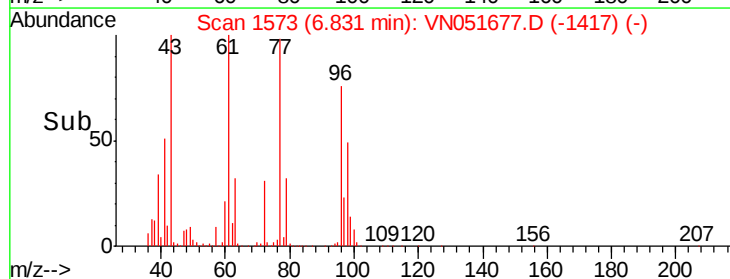
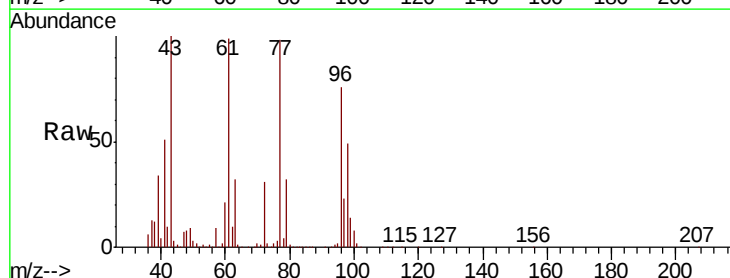
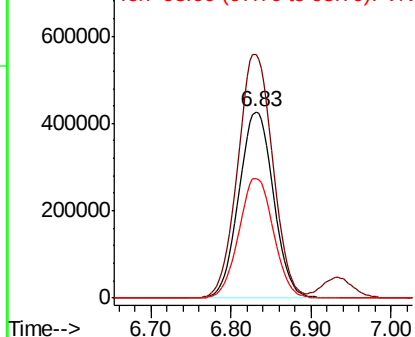
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.6	124.5	186.7
98	64.5	51.9	77.9

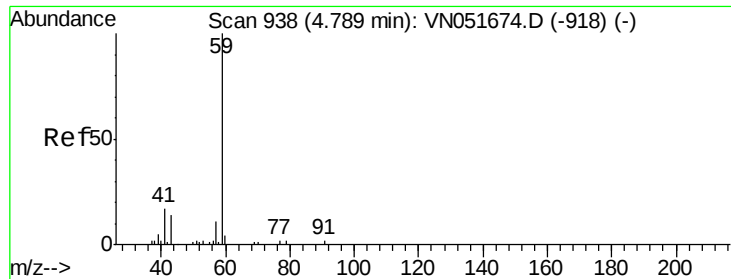
Abundance

Ion 96.00 (95.70 to 96.70): VN051677.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051677.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051677.D (-1417) (-)





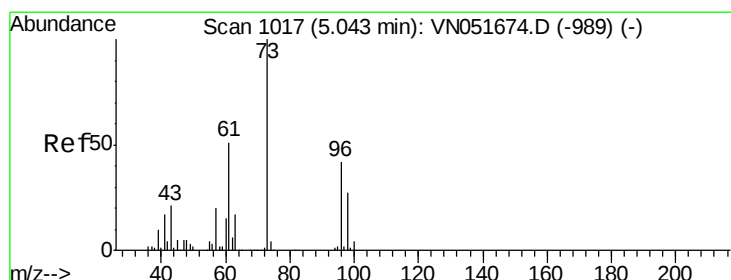
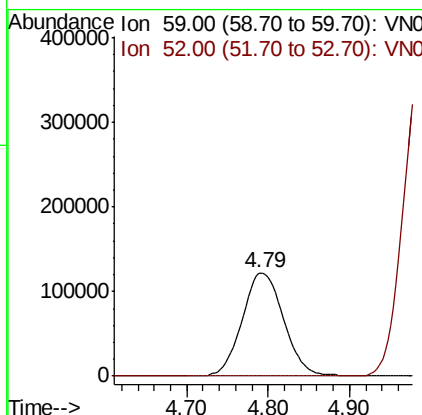
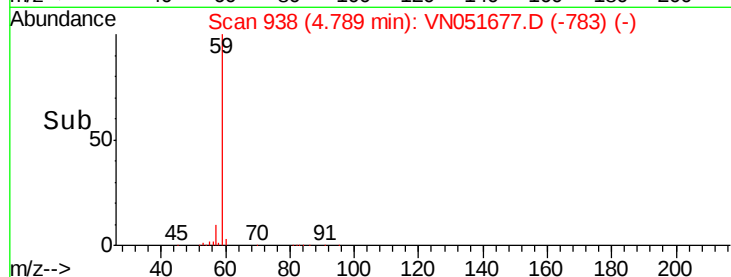
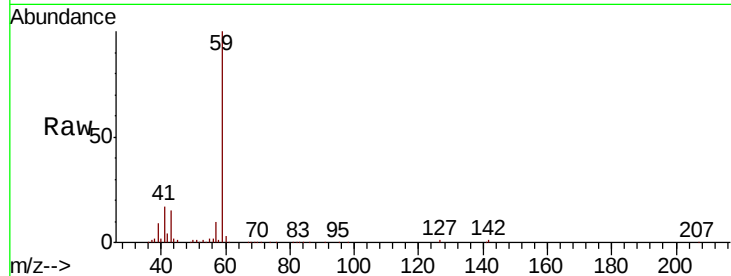
#23
 tert-Butyl Alcohol
 Concen: 738.404 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 430536
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

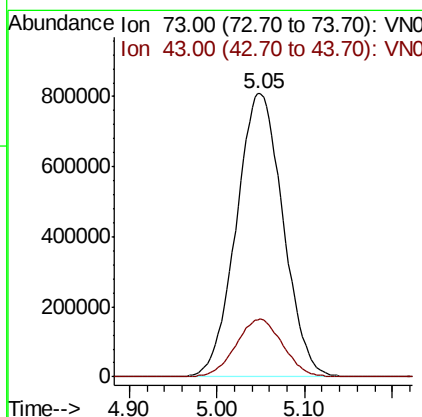
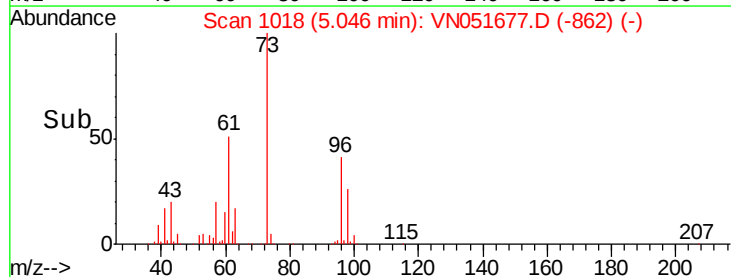
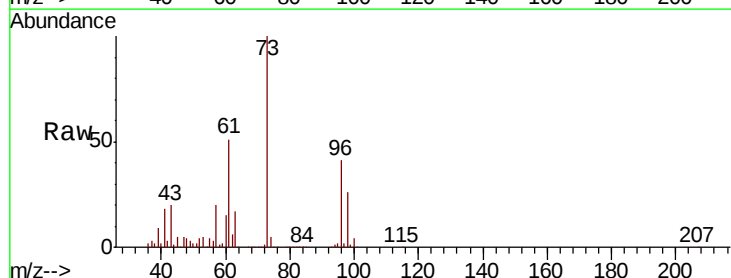
Manual Integrations
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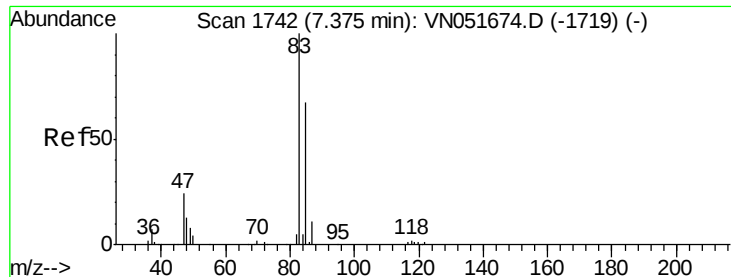
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 130.245 ug/l m
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion: 73 Resp: 2999779
 Ion Ratio Lower Upper
 73 100
 43 0.0 5.4 8.0#





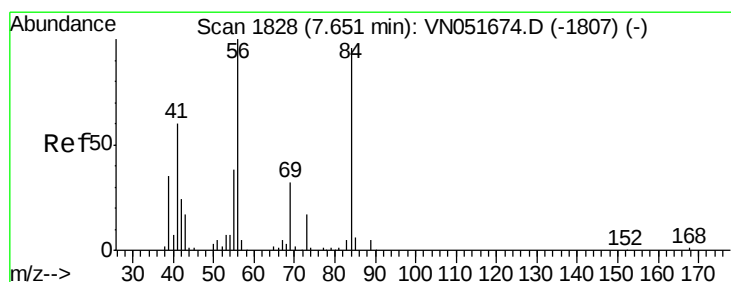
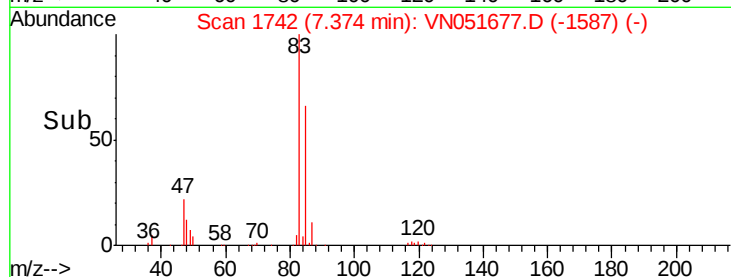
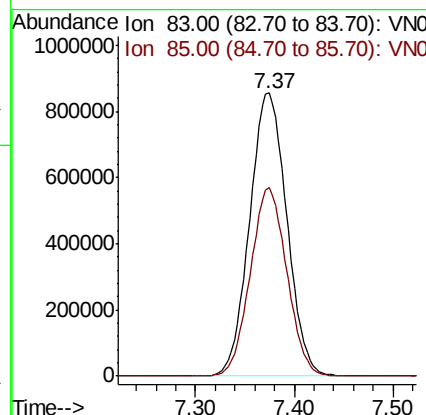
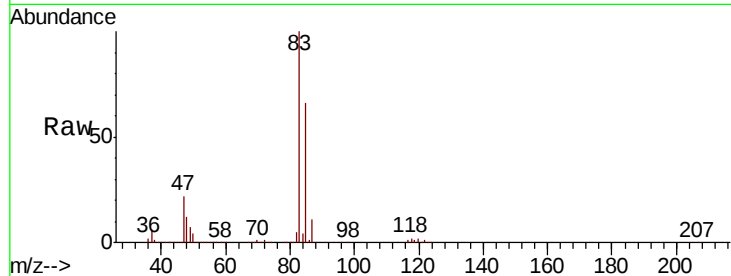
#25
Chloroform
Concen: 135.596 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2232083
Ion Ratio Lower Upper
83 100
85 66.4 54.6 82.0

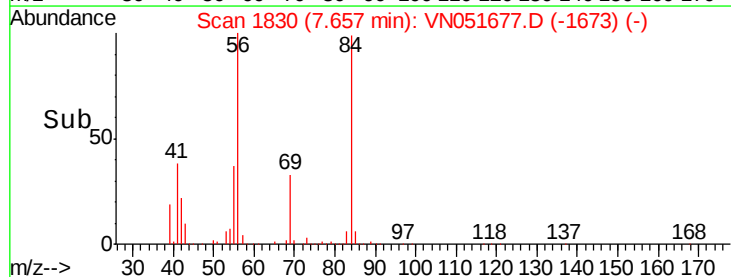
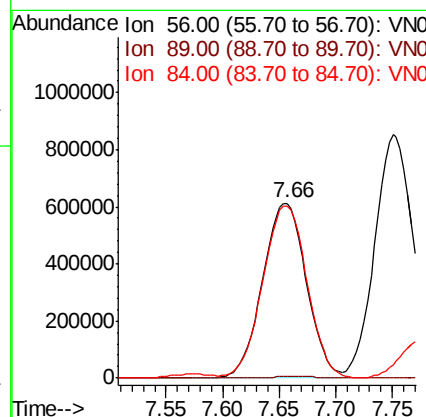
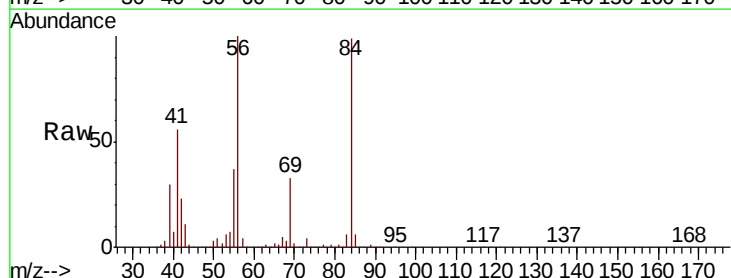
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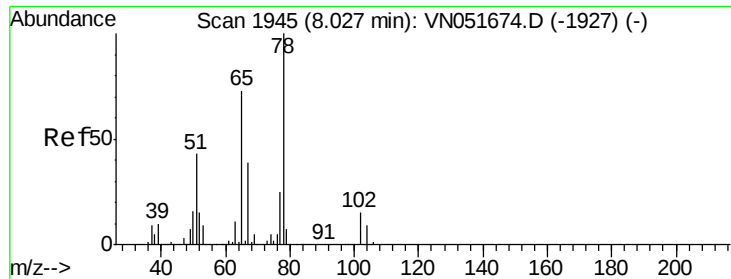
MMDadoda
10/8/2018 3:58:48 PM



#26
Cyclohexane
Concen: 132.458 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion: 56 Resp: 1645649
Ion Ratio Lower Upper
56 100
89 1.1 1.5 2.3#
84 99.9 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 132.458 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 290143

Ion Ratio Lower Upper

65 100

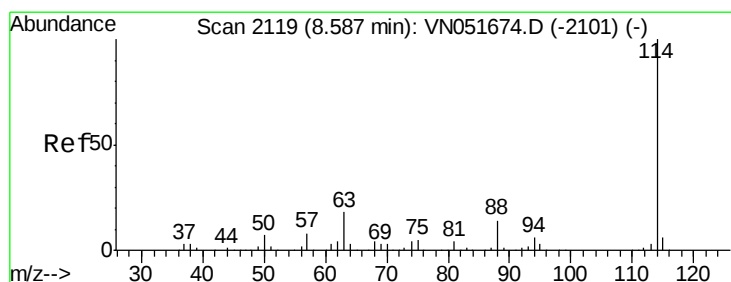
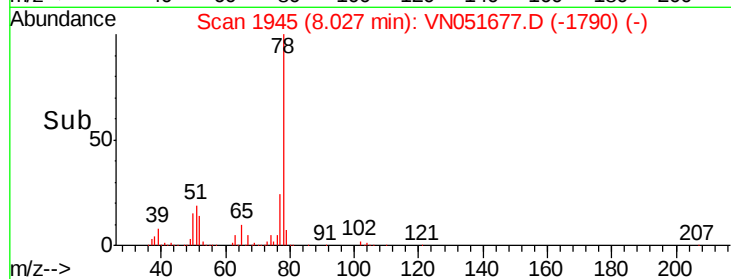
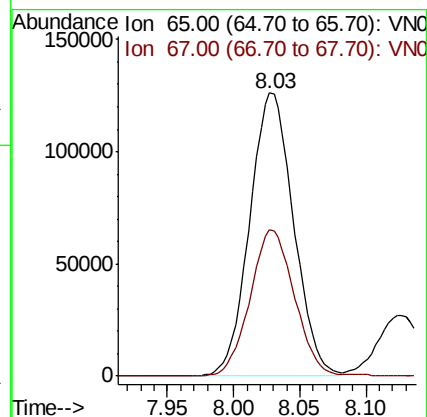
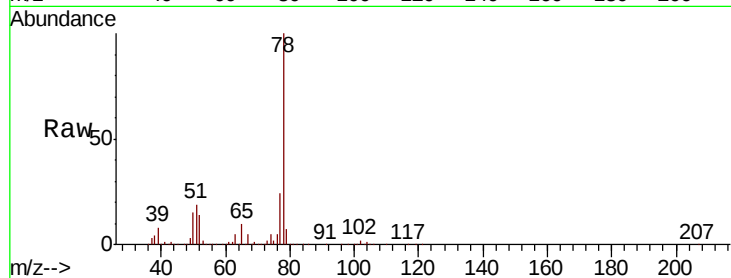
67 51.3 41.8 62.8

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

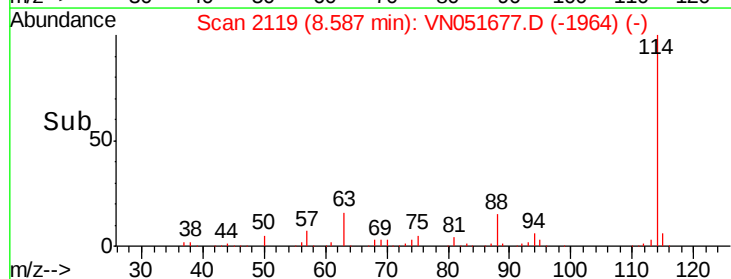
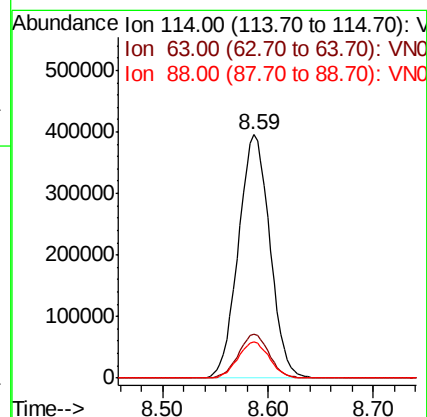
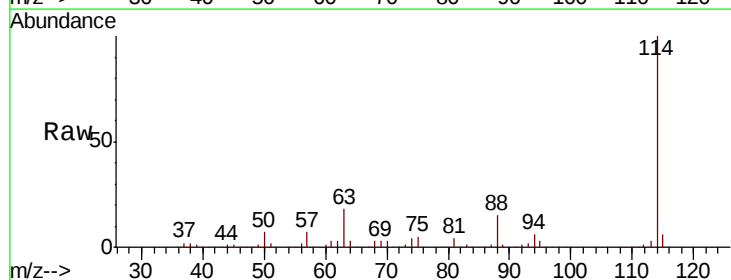
Tgt Ion: 114 Resp: 819157

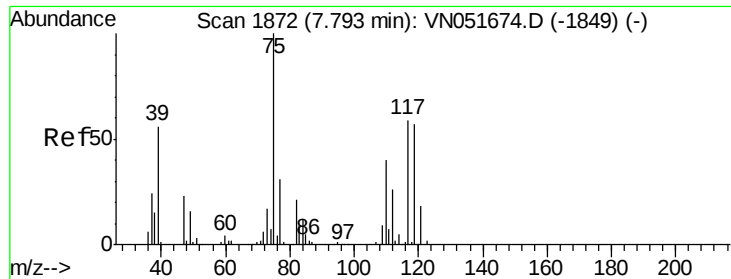
Ion Ratio Lower Upper

114 100

63 17.5 16.2 24.2

88 14.8 12.2 18.4





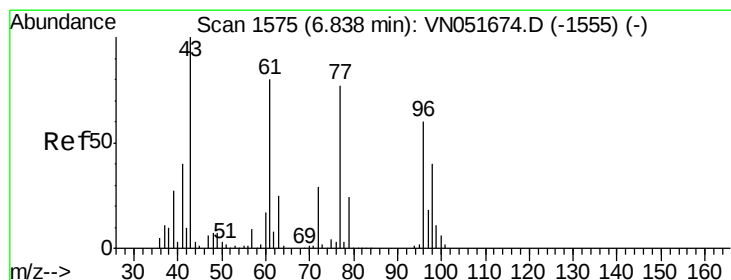
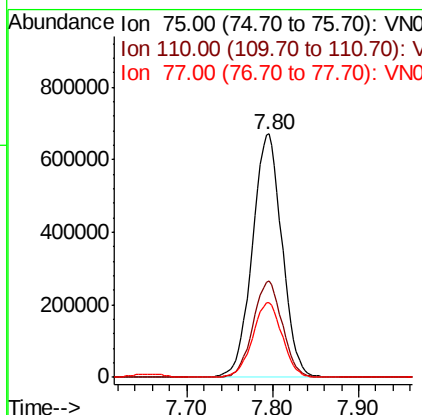
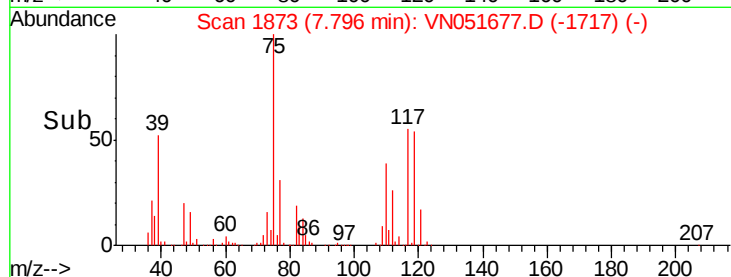
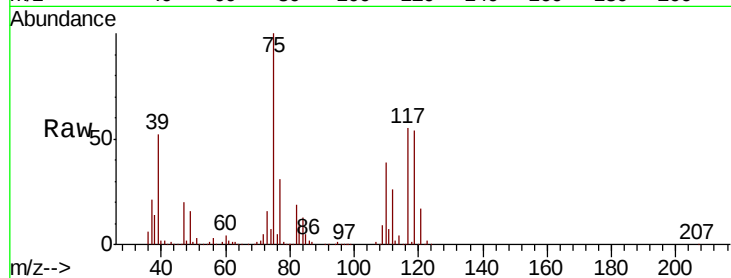
#29
 1,1-Dichloropropene
 Concen: 147.352 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.0	0.0	70.8
77	30.7	0.0	61.6

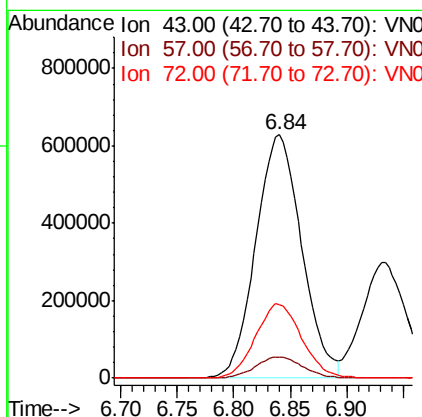
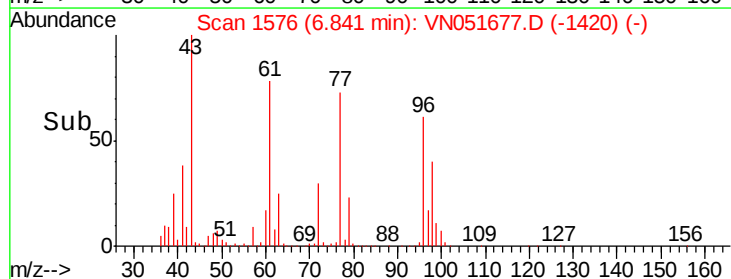
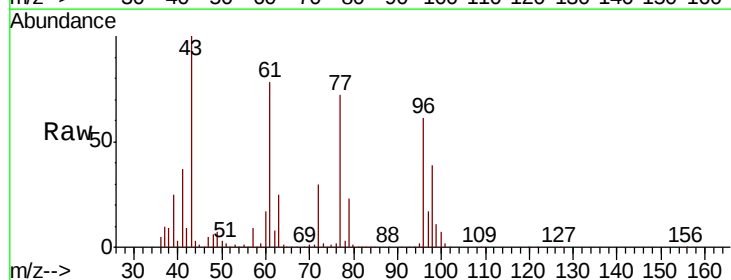
Manual Integrations
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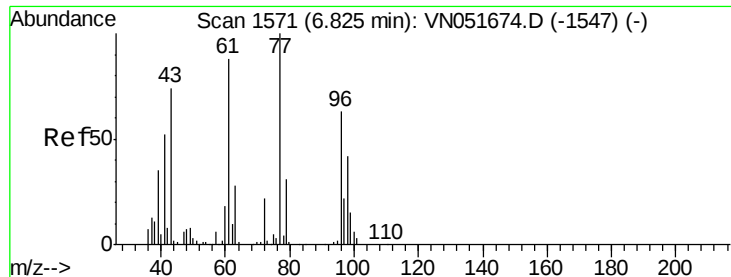
MMDadoda
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#30
 2-Butanone
 Concen: 647.390 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.0	4.5	6.7#
72	31.0	21.5	32.3





#31

2,2-Dichloropropane

Concen: 127.772 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 1785958

Ion Ratio Lower Upper

77 100

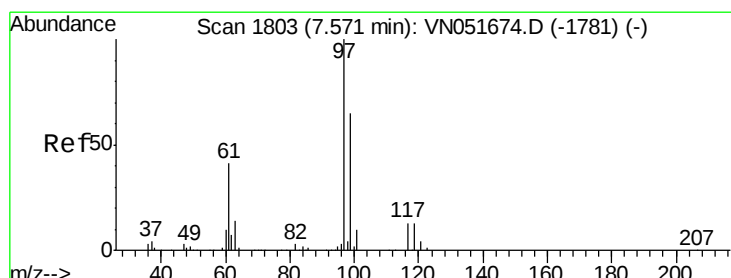
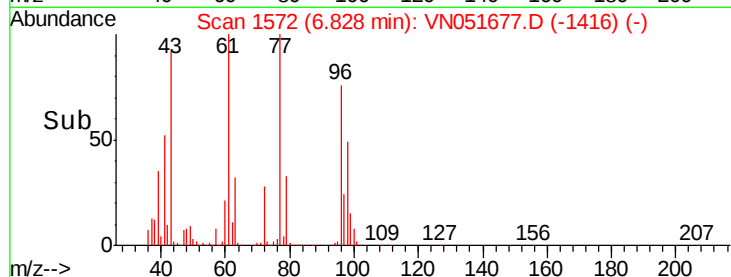
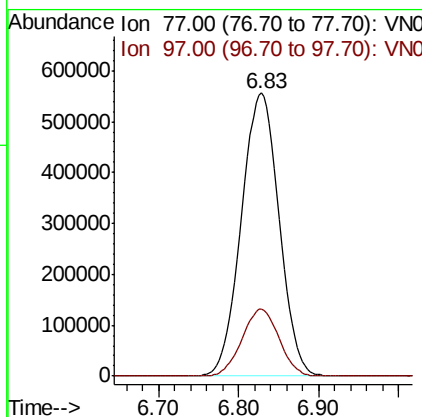
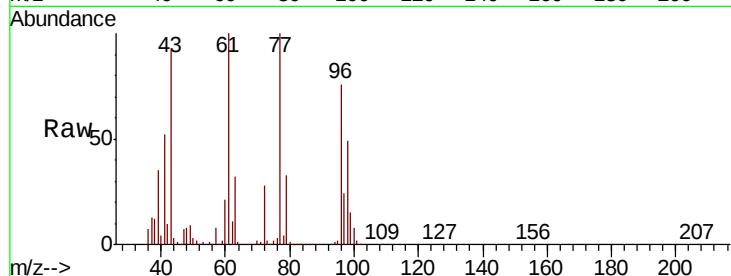
97 23.3 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 146.273 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

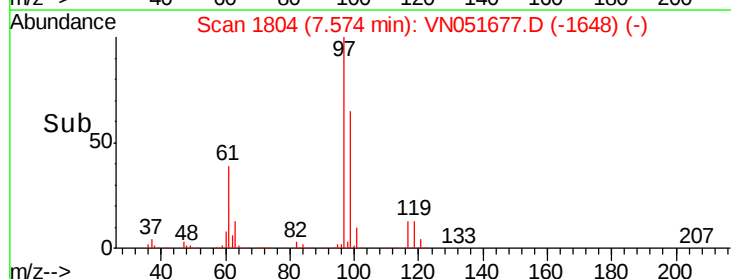
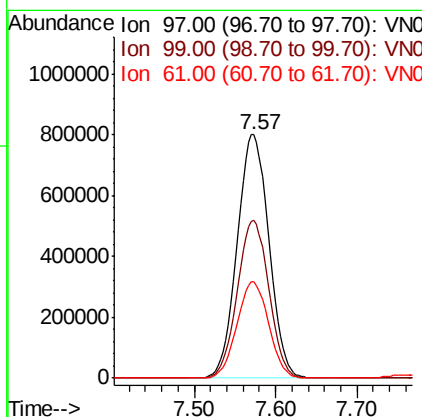
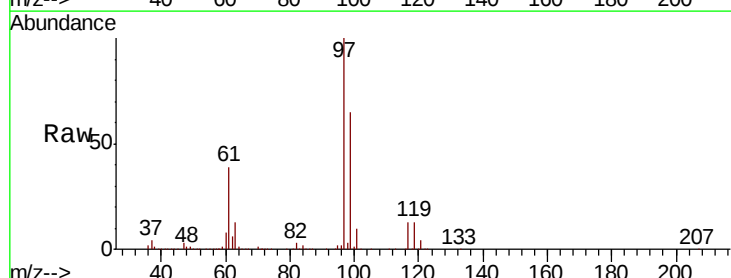
Tgt Ion: 97 Resp: 2152257

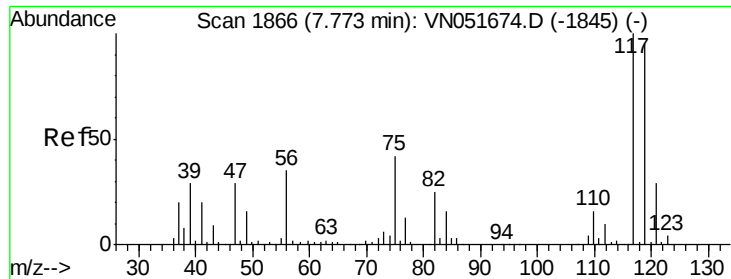
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 39.6 37.4 56.0





#33

Carbon Tetrachloride

Concen: 146.844 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1957329

Ion Ratio Lower Upper

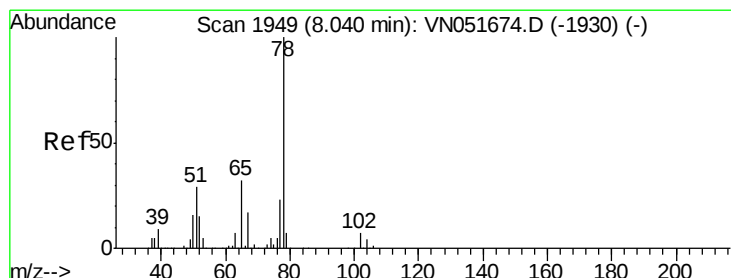
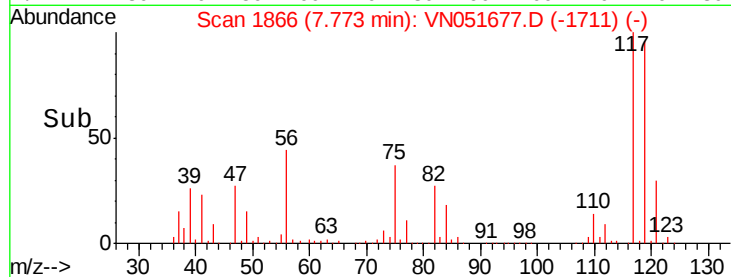
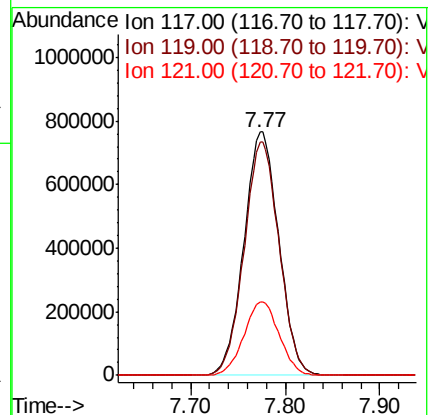
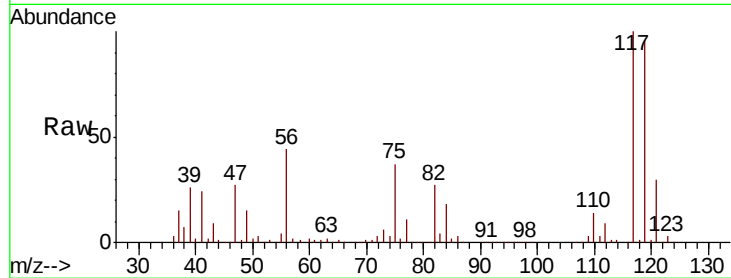
117 100

119 95.6 85.1 127.7

121 30.1 24.2 36.2

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#34

Benzene

Concen: 148.733 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

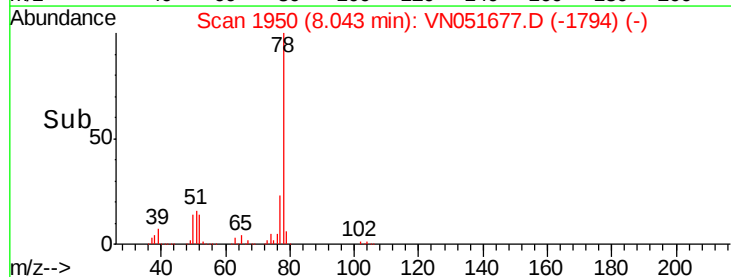
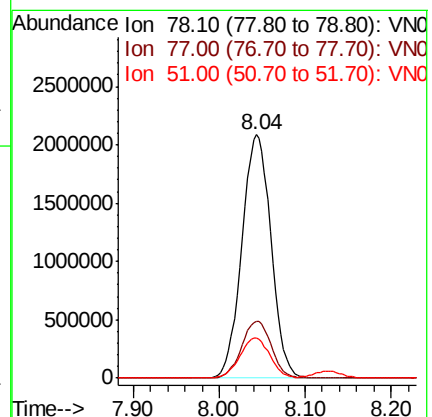
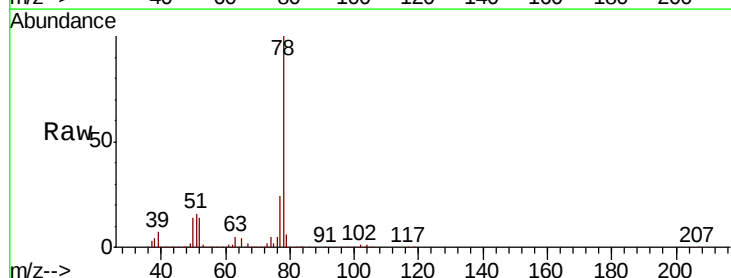
Tgt Ion: 78 Resp: 4906674

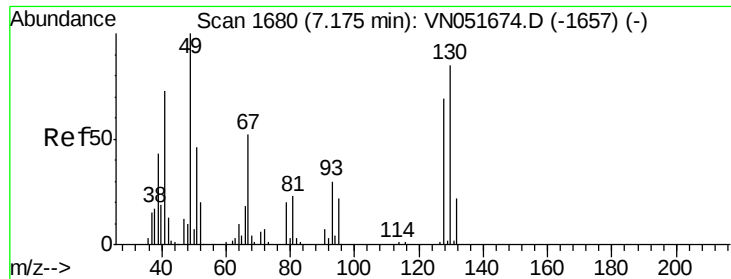
Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

51 16.4 46.2 69.4#





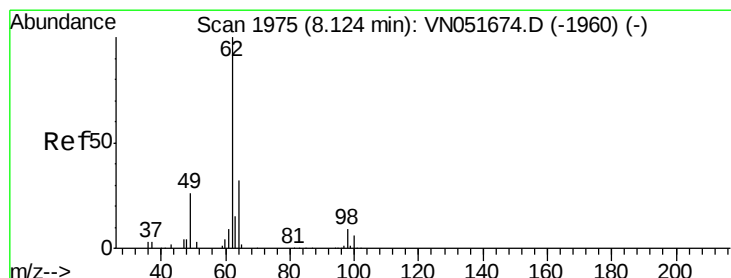
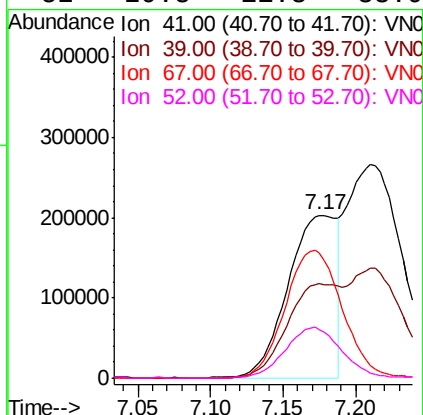
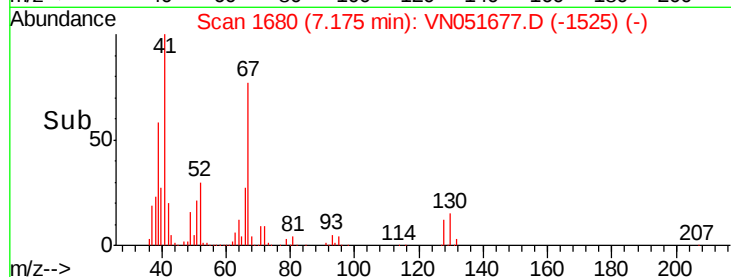
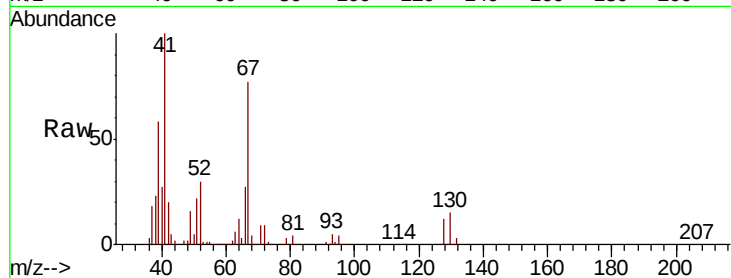
#35
Methacrylonitrile
Concen: 166.998 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	22.6	67.7
67	77.2	28.9	86.8
52	29.8	11.3	33.9

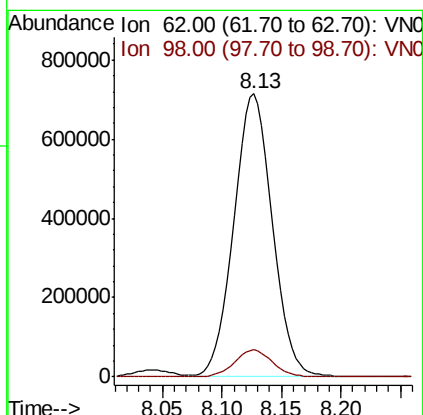
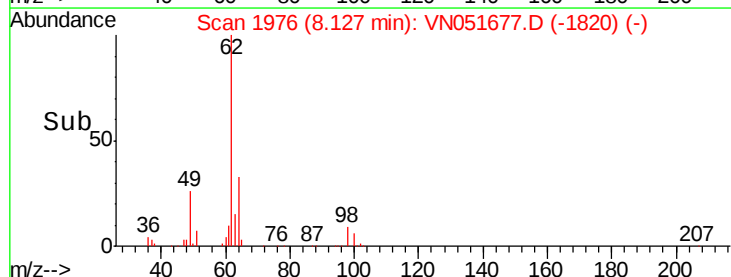
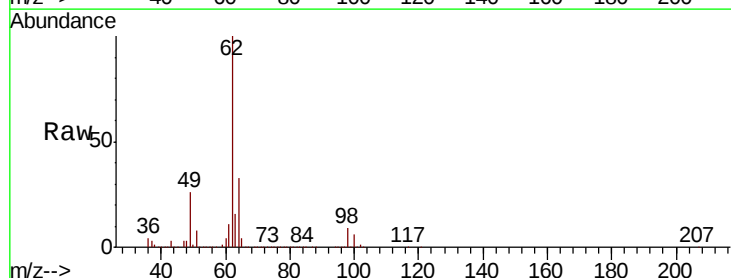
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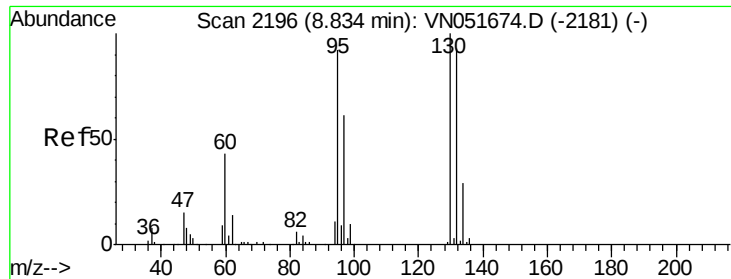
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#36
1,2-Dichloroethane
Concen: 143.312 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.9	10.3





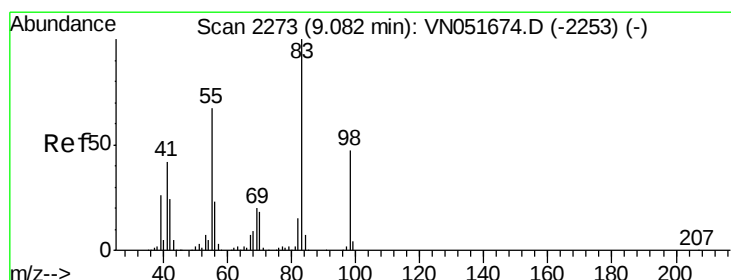
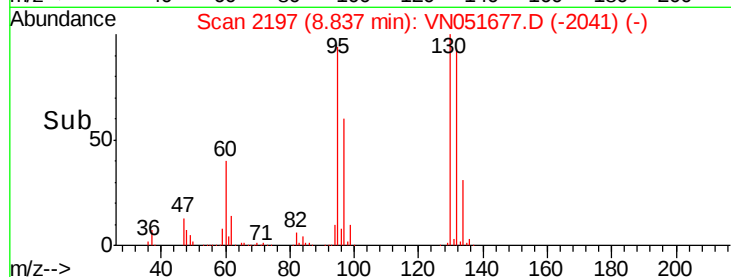
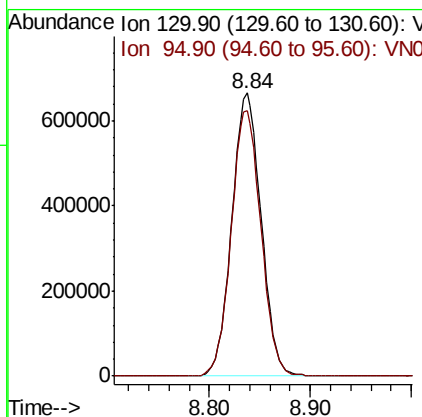
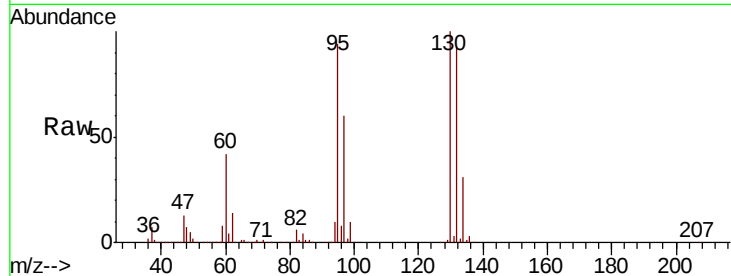
#37
 Trichloroethene
 Concen: 146.281 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 1346312
 Ion Ratio Lower Upper
 130 100
 95 93.6 76.4 114.6

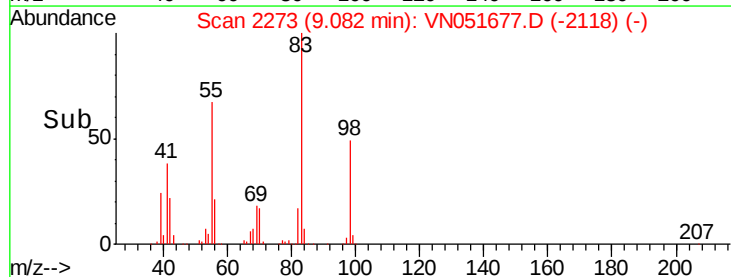
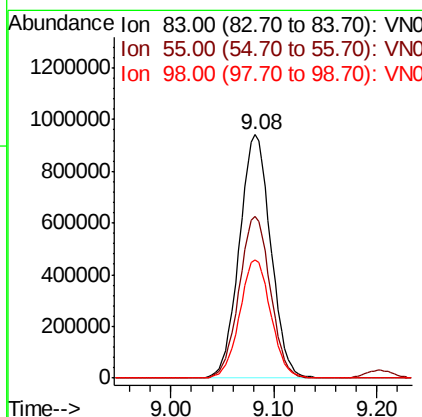
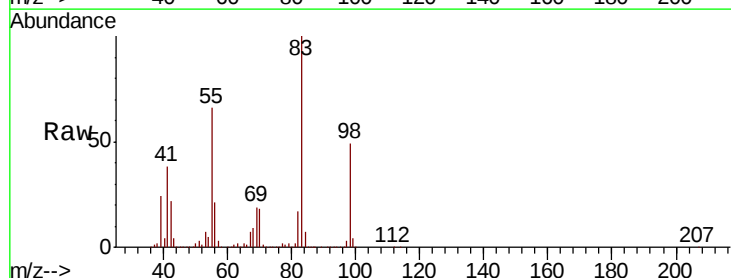
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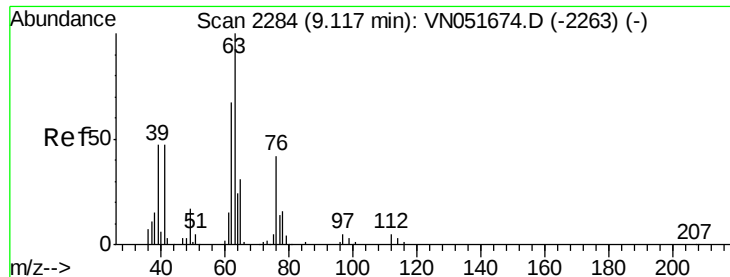
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#38
 Methylcyclohexane
 Concen: 143.253 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion: 83 Resp: 1992922
 Ion Ratio Lower Upper
 83 100
 55 66.0 43.0 129.2
 98 48.2 21.3 63.7





#39

1,2-Dichloropropane

Concen: 139.795 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1143254

Ion Ratio Lower Upper

63 100

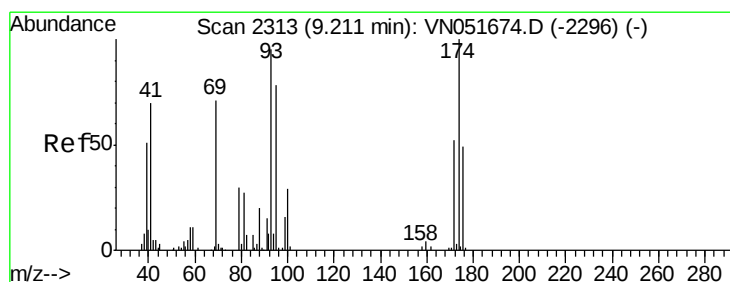
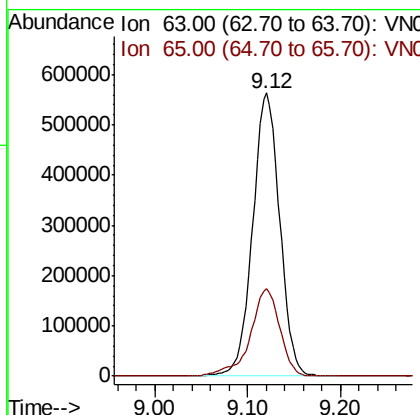
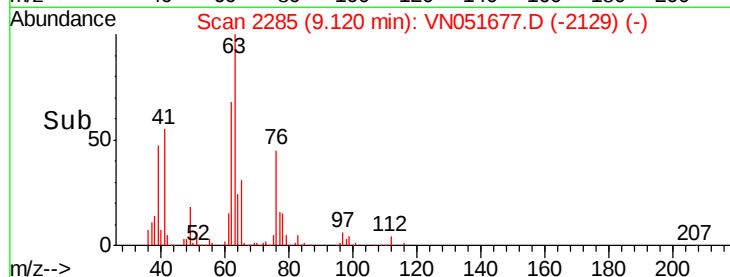
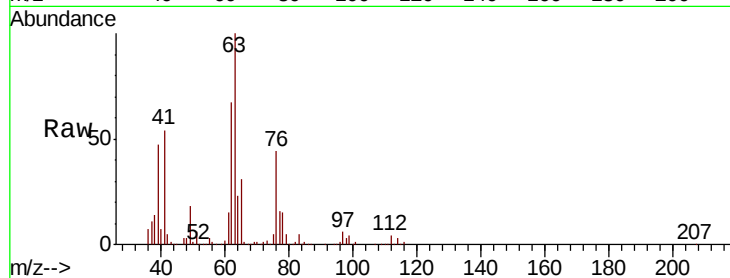
65 30.8 23.2 34.8

Manual Integrations

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#40

Dibromomethane

Concen: 151.592 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

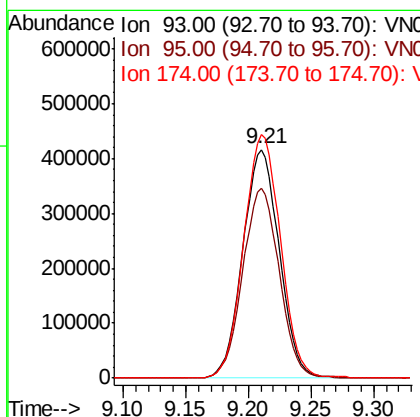
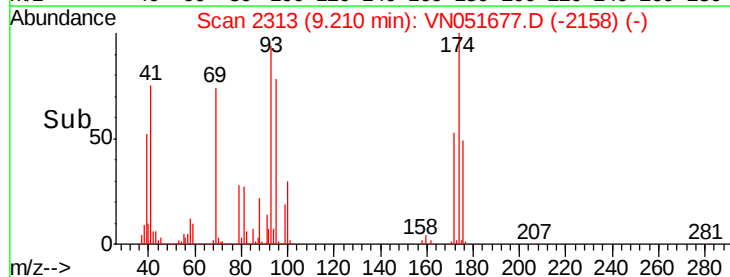
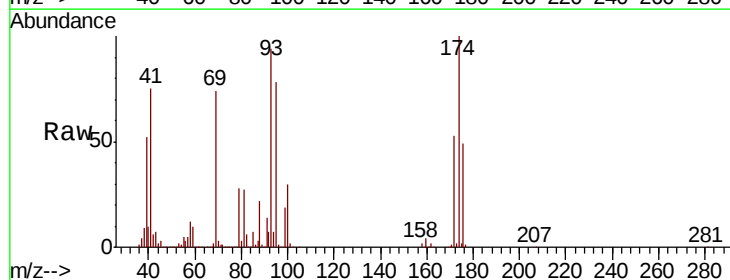
Tgt Ion: 93 Resp: 844182

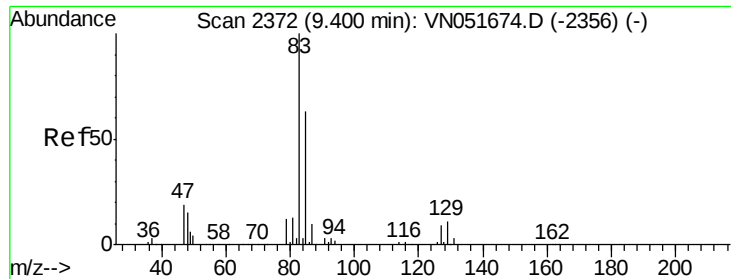
Ion Ratio Lower Upper

93 100

95 83.0 0.0 162.0

174 107.9 0.0 214.0





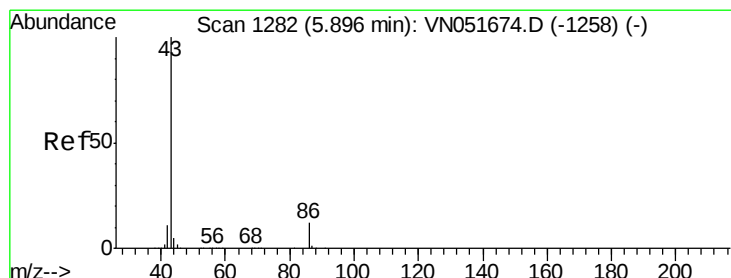
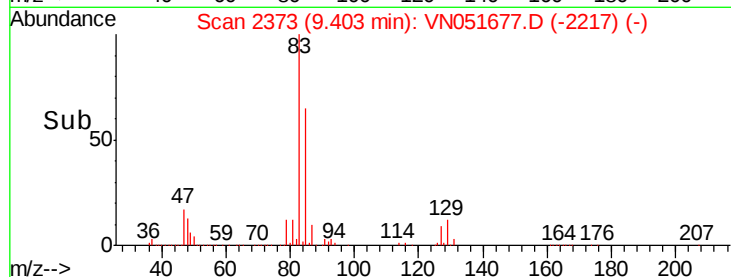
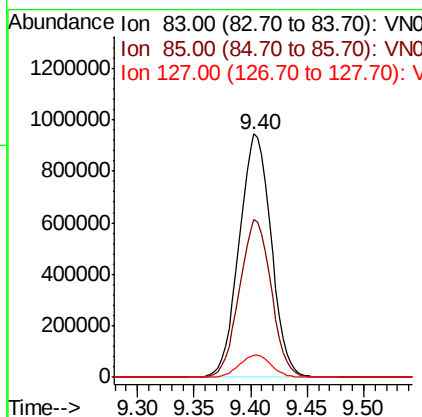
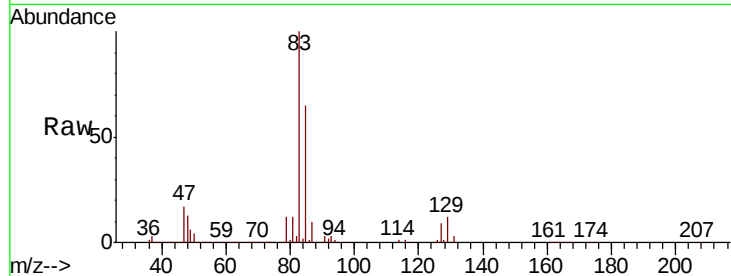
#41
 Bromodichloromethane
 Concen: 149.042 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 83 Resp: 1858519
 Ion Ratio Lower Upper
 83 100
 85 64.7 55.7 83.5
 127 9.3 8.2 12.4

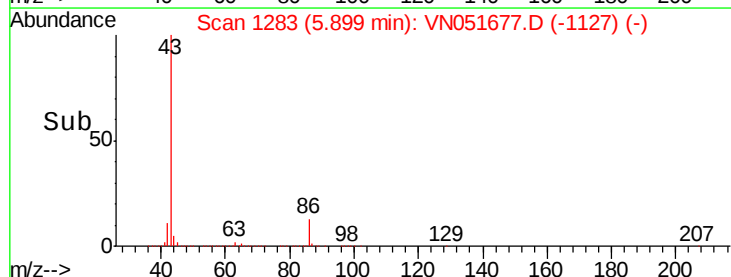
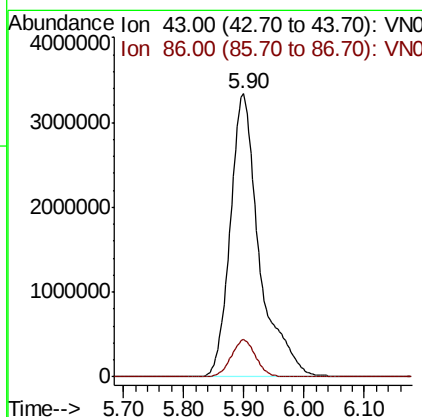
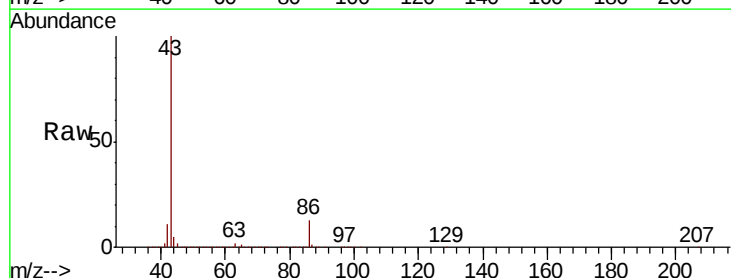
Manual Integrations
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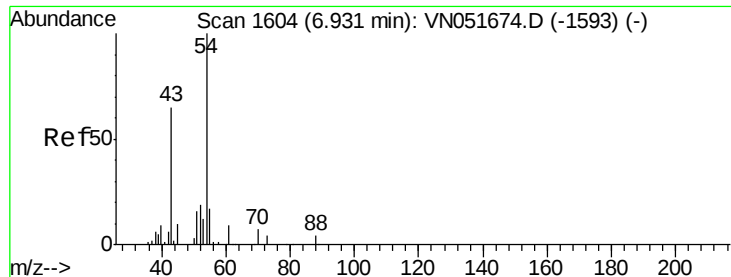
MMDadoda
 10/8/2018 3:58:48 PM



#42
 Vinyl Acetate
 Concen: 713.284 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion: 43 Resp: 11254107
 Ion Ratio Lower Upper
 43 100
 86 11.3 6.5 9.7#





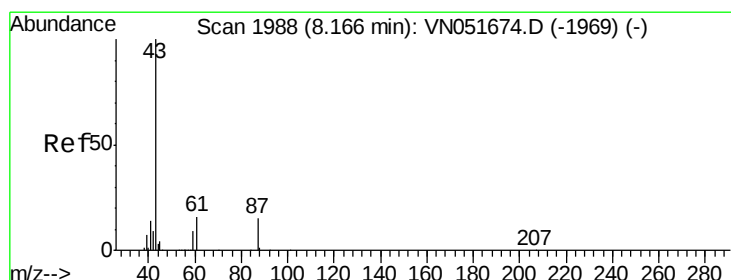
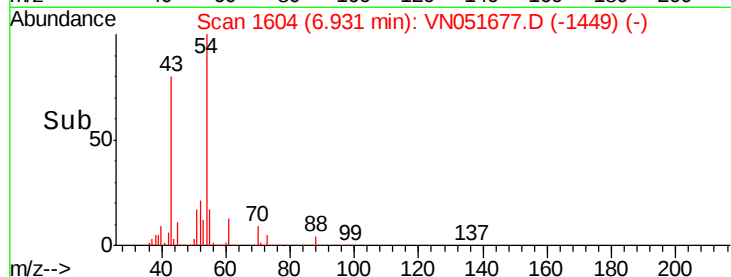
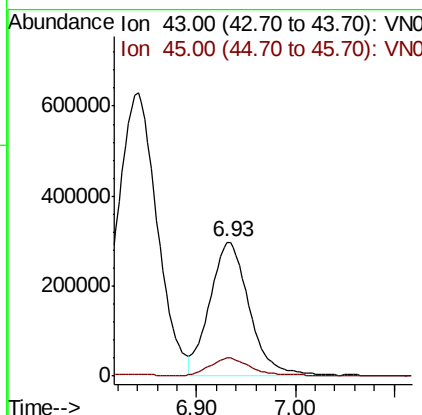
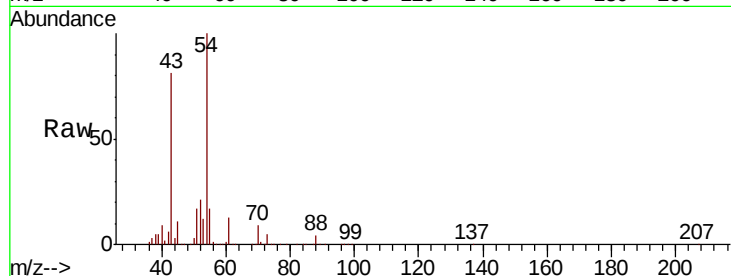
#43
Ethyl Acetate
Concen: 146.293 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 820255
Ion Ratio Lower Upper
43 100
45 14.6 11.0 16.6

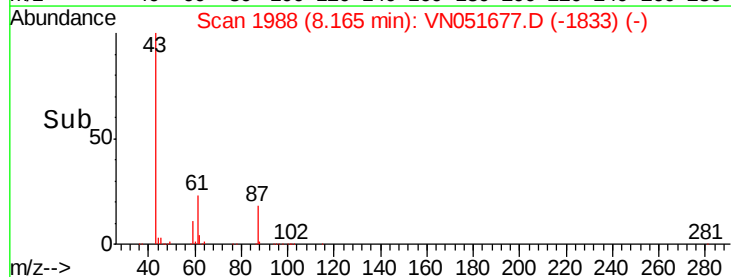
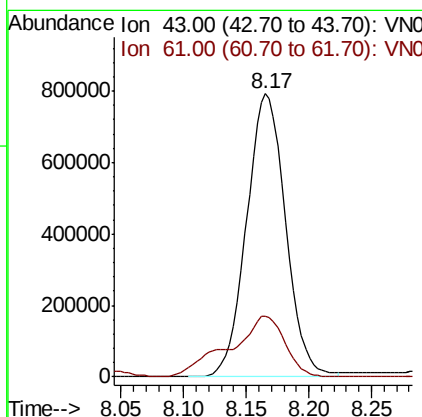
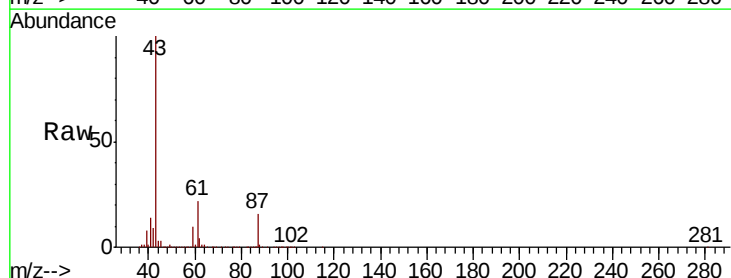
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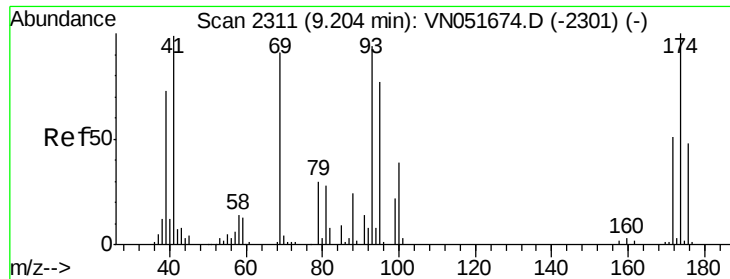
MMDadoda
10/8/2018 3:58:48 PM



#44
Isopropyl Acetate
Concen: 136.374 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion: 43 Resp: 1713907
Ion Ratio Lower Upper
43 100
61 20.6 15.9 23.9





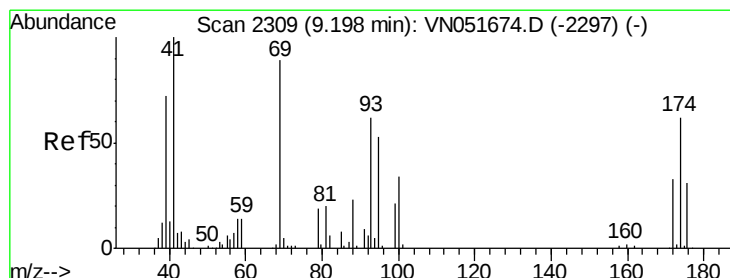
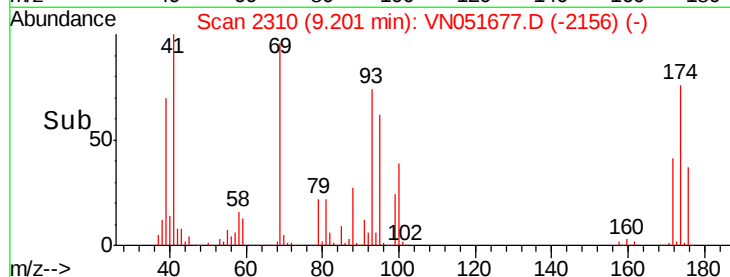
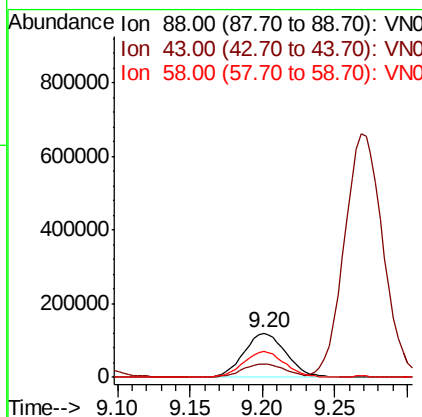
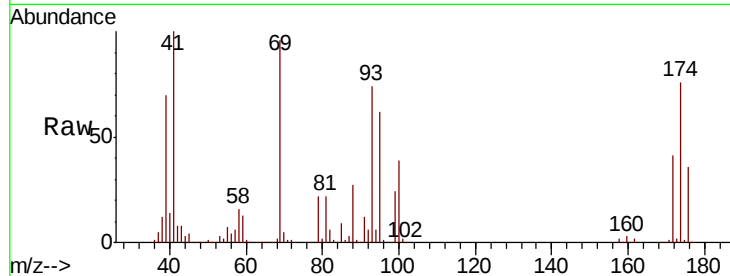
#45
1,4-Dioxane
Concen: 3161.987 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	26.2	39.2
58	57.2	65.6	98.4#

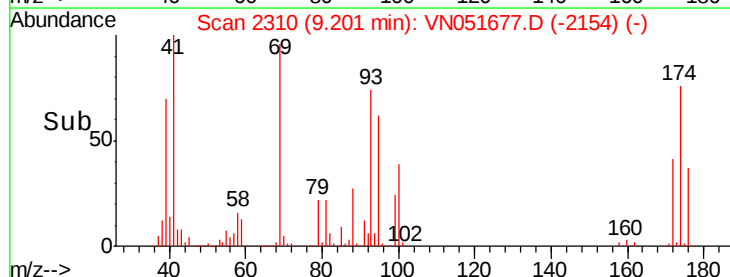
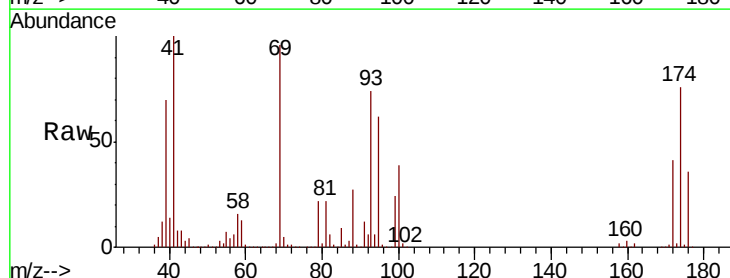
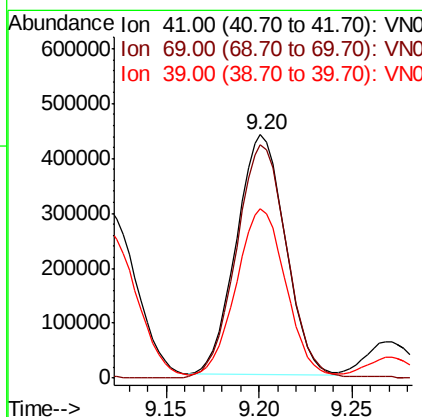
Manual Integrations
APPROVED

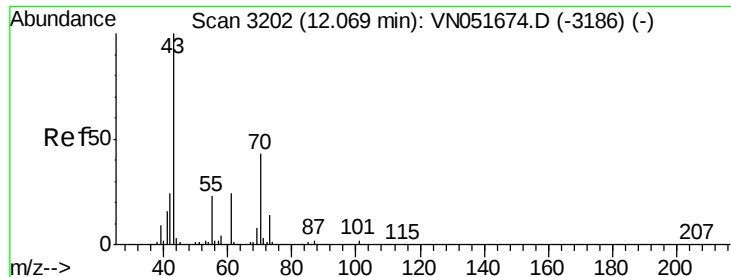
MMDadoda
10/8/2018 3:58:48 PM



#46
Methyl methacrylate
Concen: 144.611 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.9	40.7	122.1
39	69.4	27.3	81.9





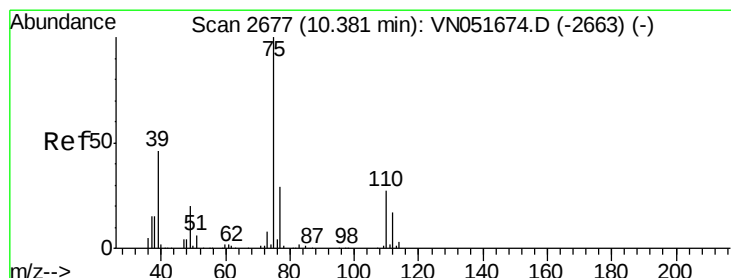
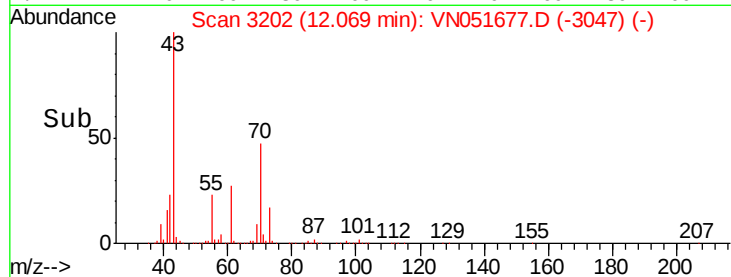
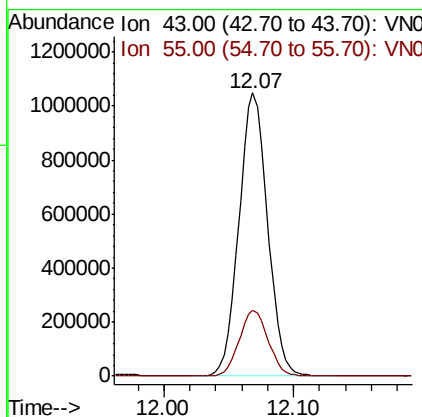
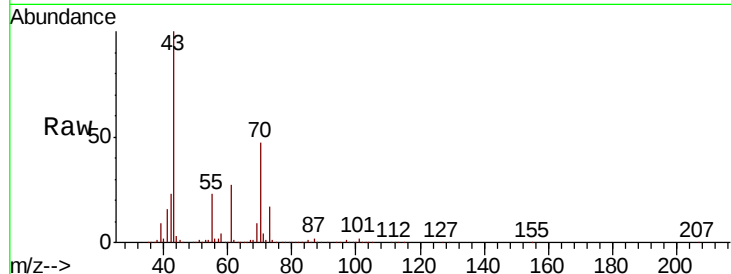
#47
n-amyl Acetate
Concen: 154.924 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1612287
Ion Ratio Lower Upper
43 100
55 0.0 12.2 18.4#

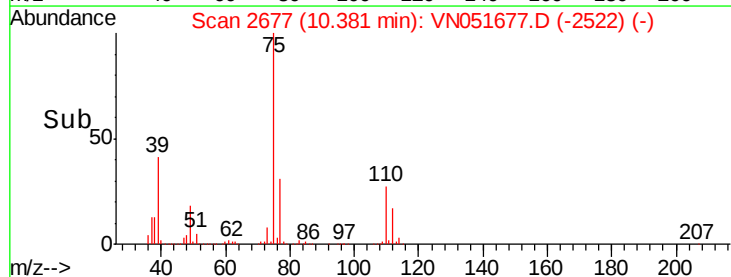
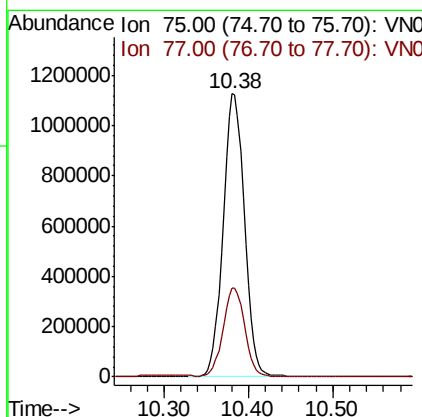
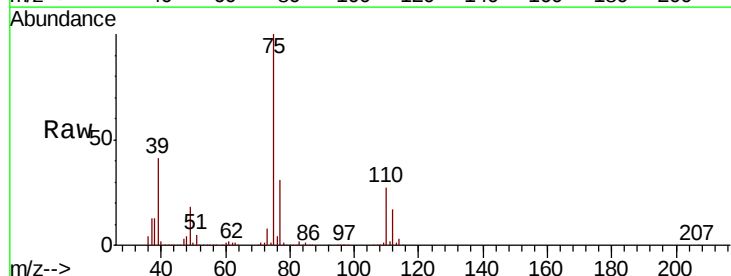
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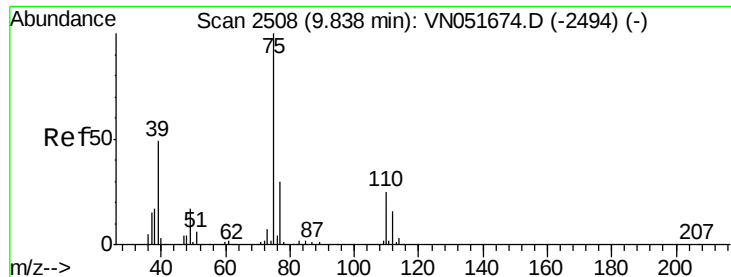
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#48
t-1,3-Dichloropropene
Concen: 159.534 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion: 75 Resp: 1984792
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0





#49

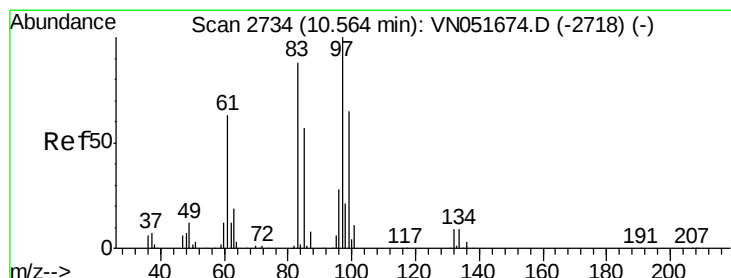
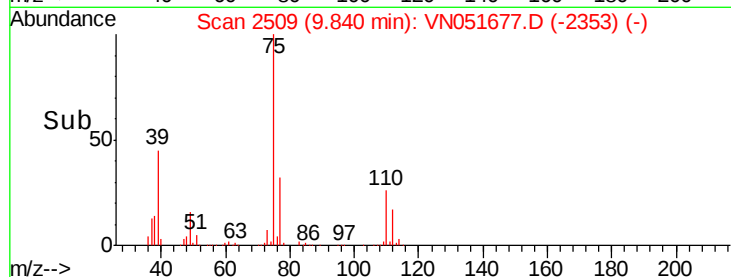
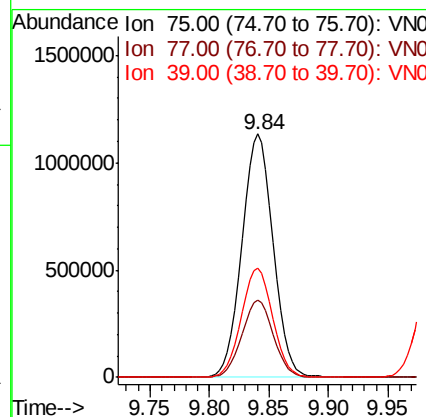
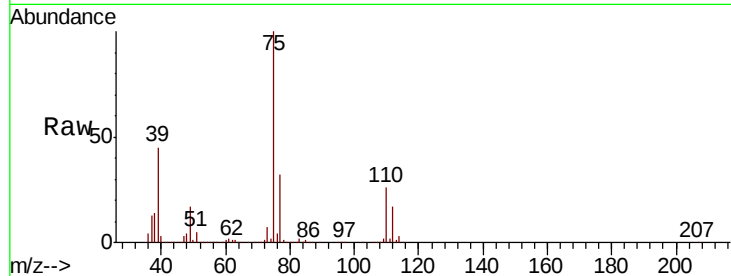
cis-1,3-Dichloropropene
 Concen: 152.399 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	23.2	34.8
39	44.8	34.6	52.0

Manual Integrations
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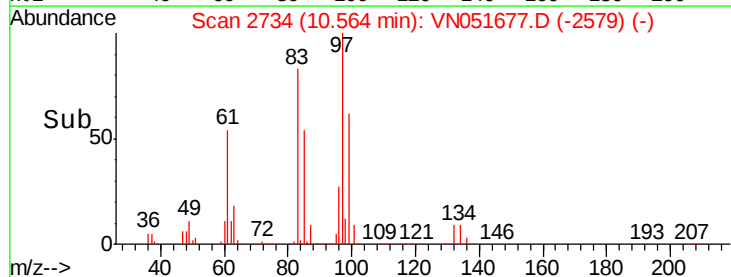
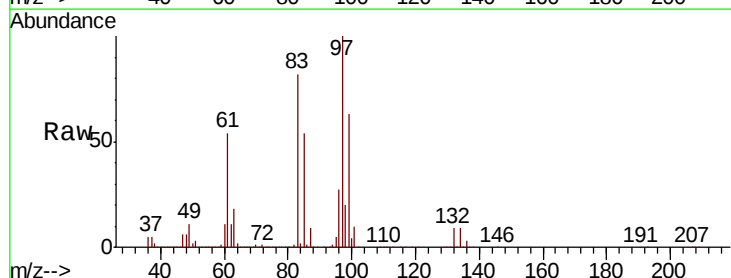
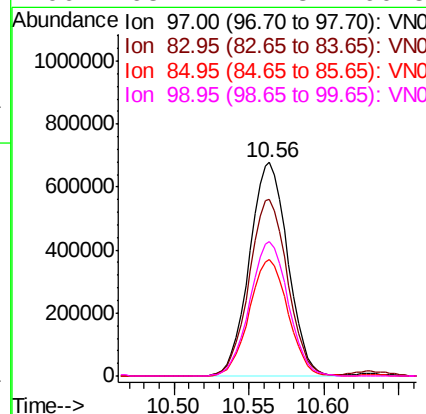
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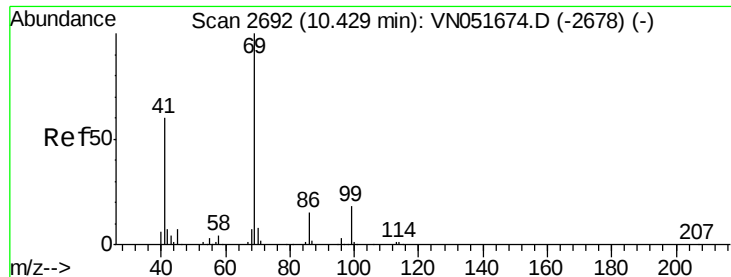


#50

1,1,2-Trichloroethane
 Concen: 155.398 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.4
85	54.5	42.5	63.7
99	63.1	44.3	66.5





#51

Ethyl methacrylate

Concen: 156.955 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1556608

Ion Ratio Lower Upper

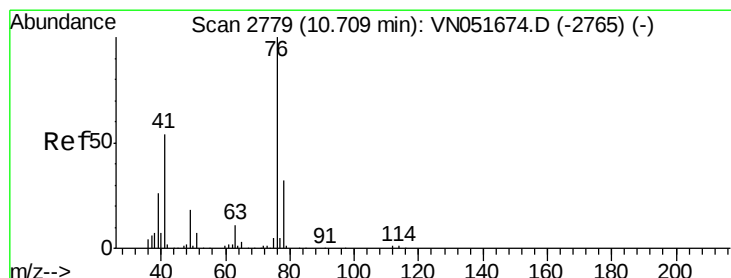
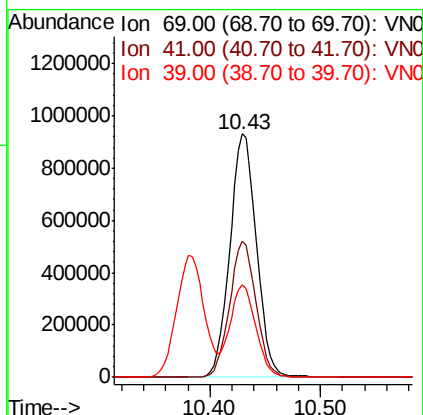
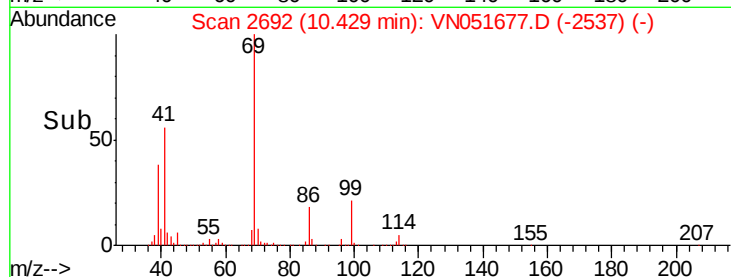
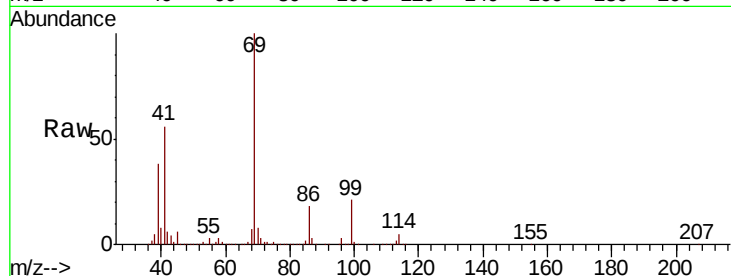
69 100

41 55.6 34.4 103.1

39 37.7 16.3 48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 150.591 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051677.D

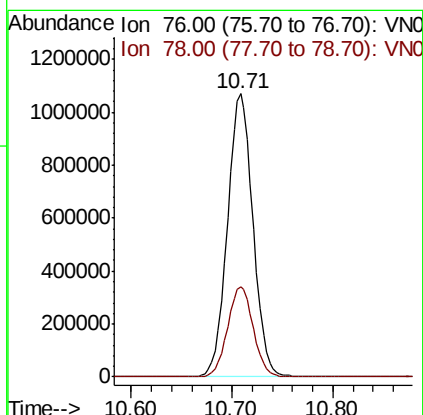
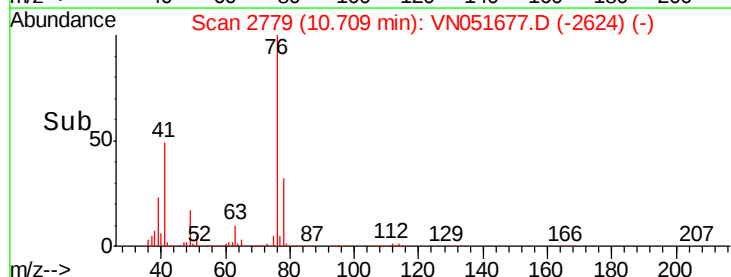
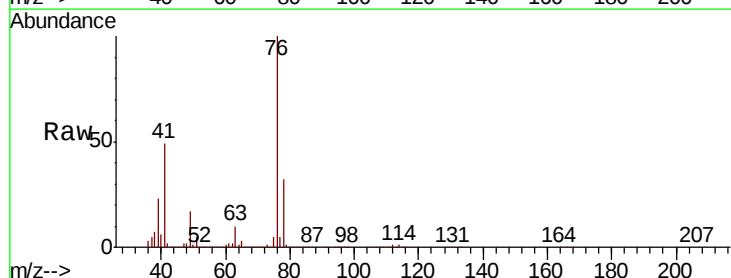
Acq: 5 Oct 2018 10:49

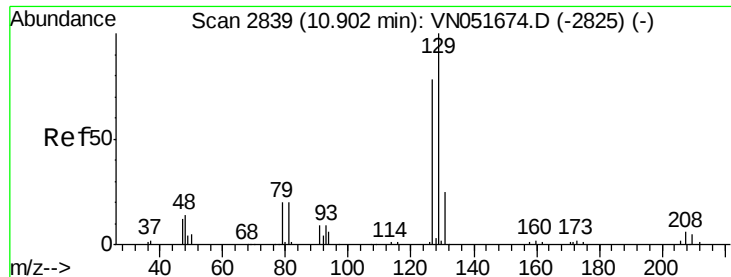
Tgt Ion: 76 Resp: 1885997

Ion Ratio Lower Upper

76 100

78 32.2 0.0 67.6





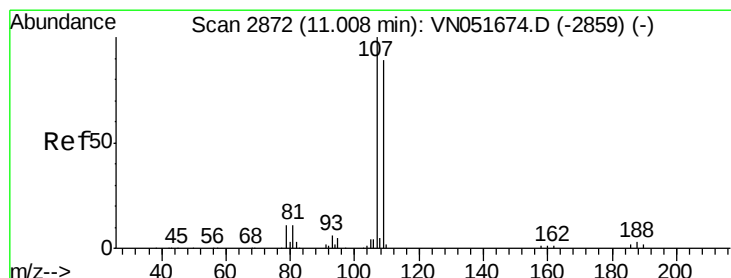
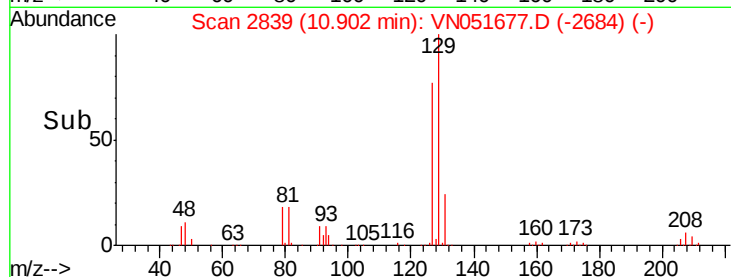
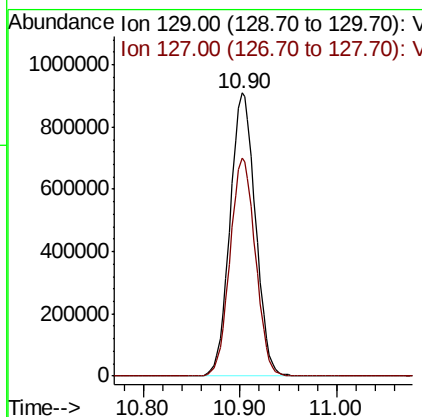
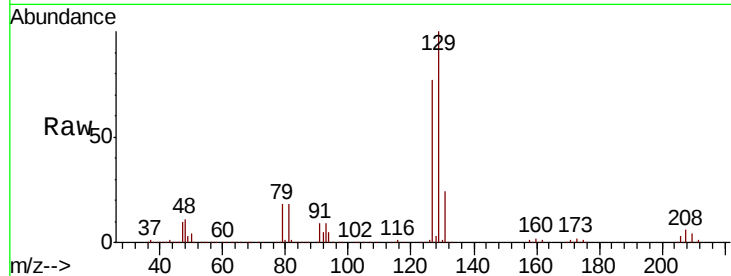
#53
 Dibromochloromethane
 Concen: 162.944 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:129 Resp: 1655843
 Ion Ratio Lower Upper
 129 100
 127 77.0 40.2 120.5

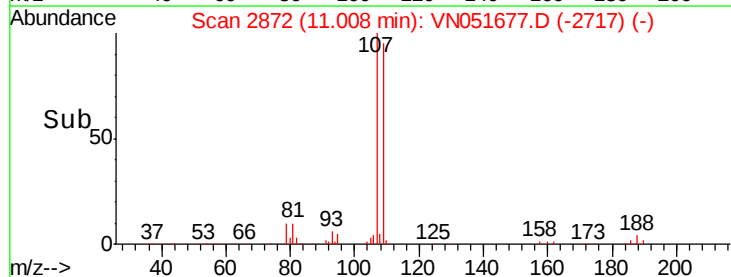
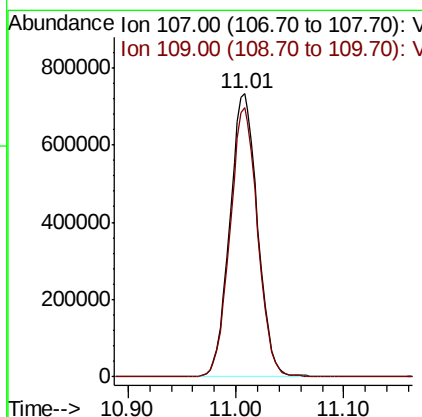
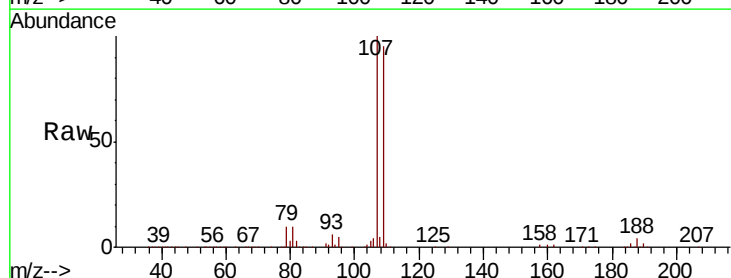
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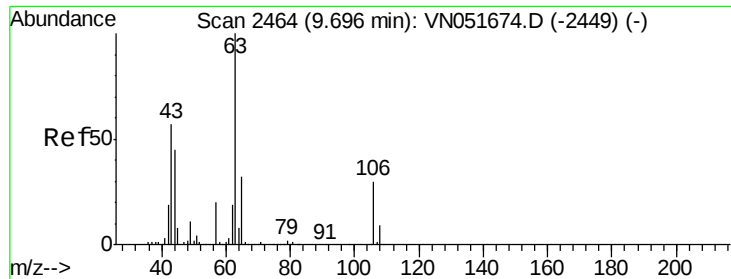
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#54
 1,2-Dibromoethane
 Concen: 162.257 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion:107 Resp: 1318145
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.4 116.0





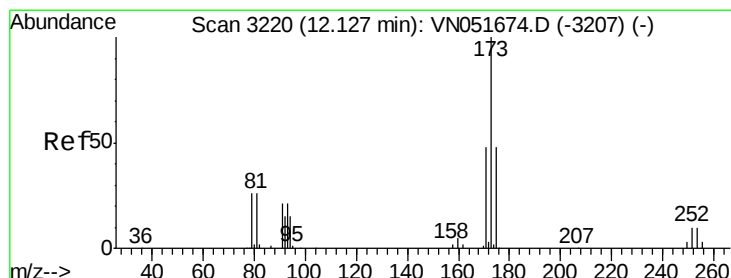
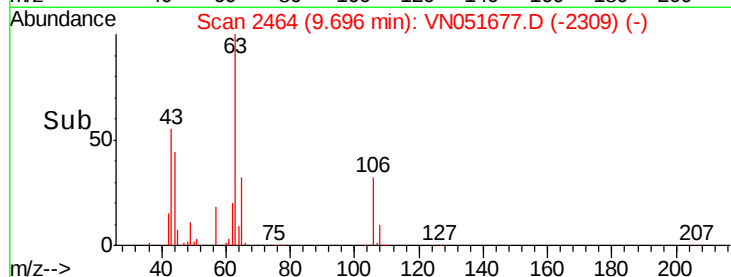
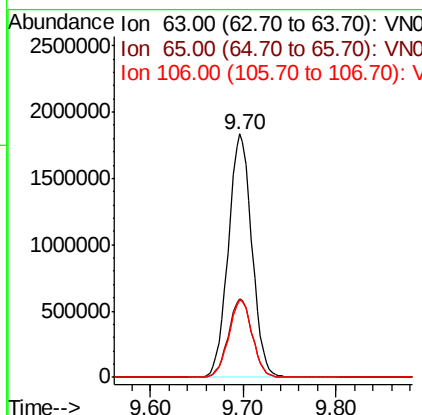
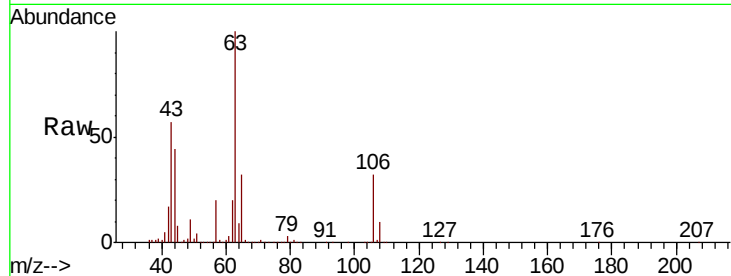
#55
 2-Chloroethyl vinyl ether
 Concen: 785.419 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 3226415
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.0
 106 31.7 21.2 31.8

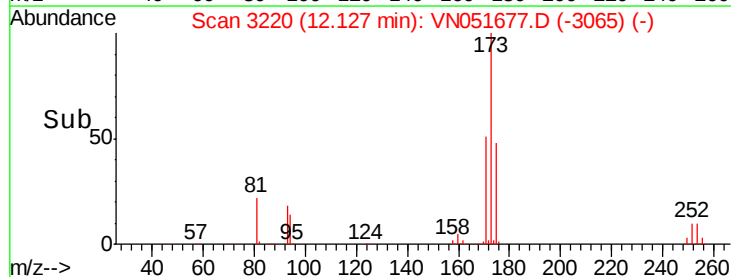
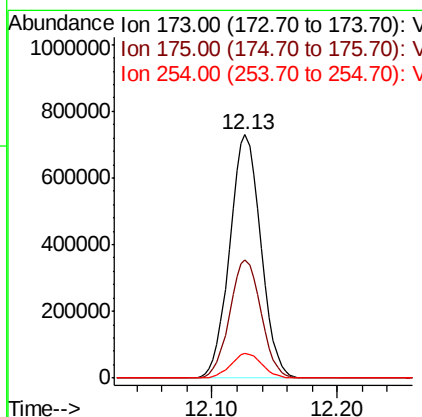
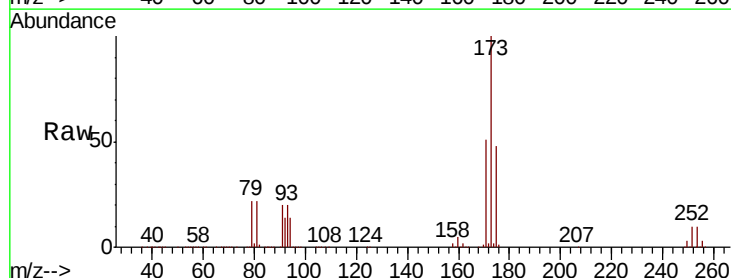
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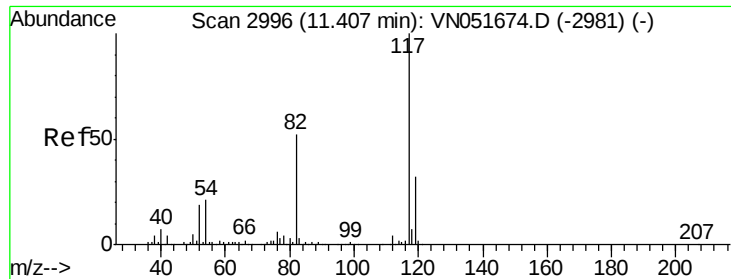
MMDadoda
 10/8/2018 3:58:48 PM



#56
 Bromoform
 Concen: 175.251 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion: 173 Resp: 1256476
 Ion Ratio Lower Upper
 173 100
 175 48.9 35.8 53.8
 254 10.1 8.6 13.0





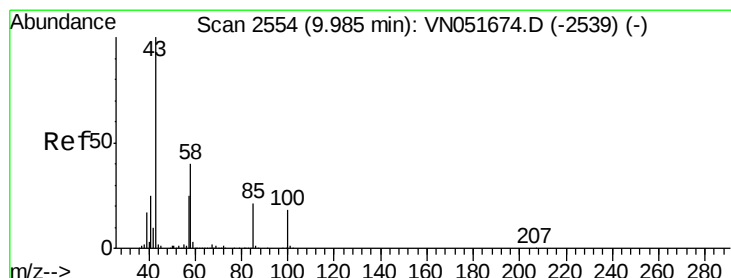
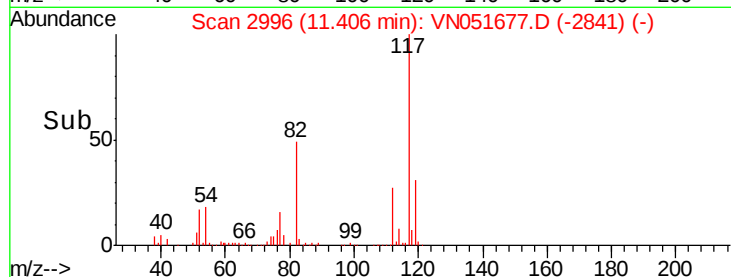
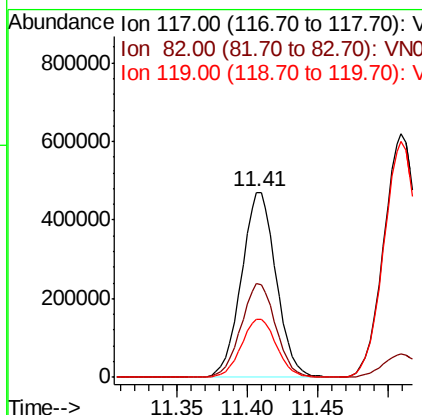
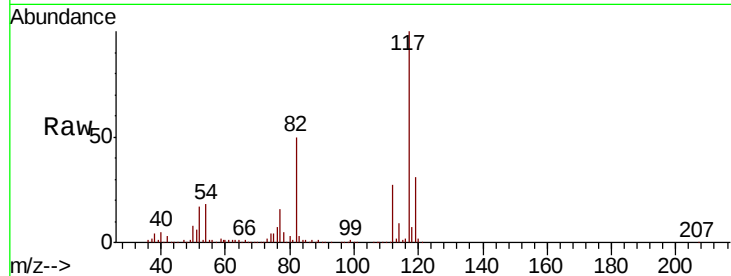
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	44.1	66.1
119	31.9	25.8	38.8

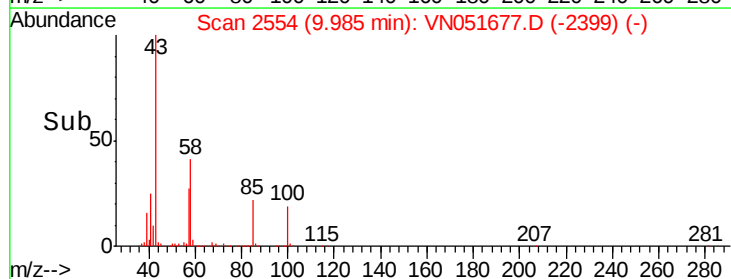
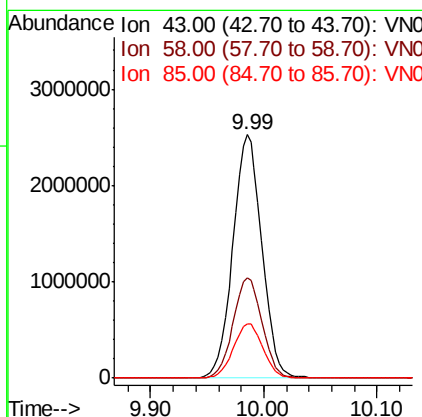
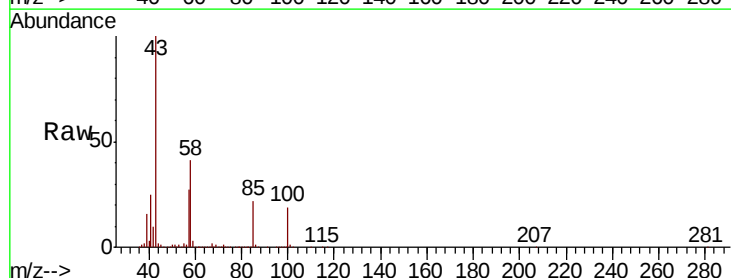
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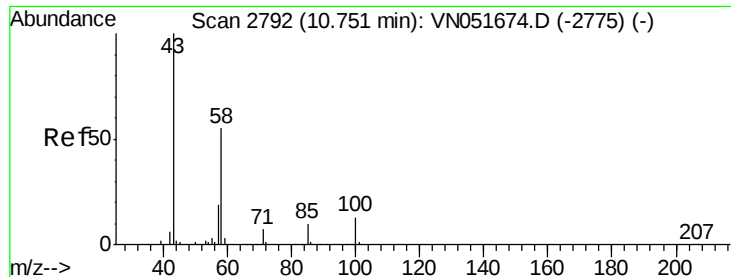
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 656.767 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.5	29.3	43.9
85	22.8	12.6	18.8





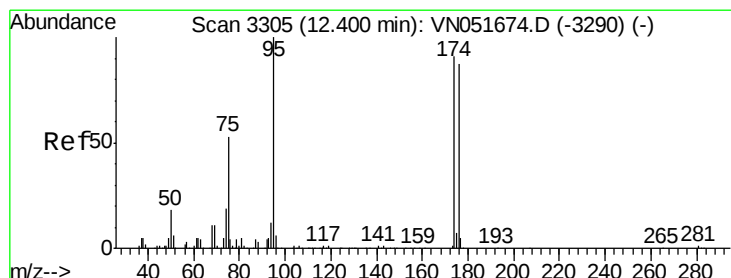
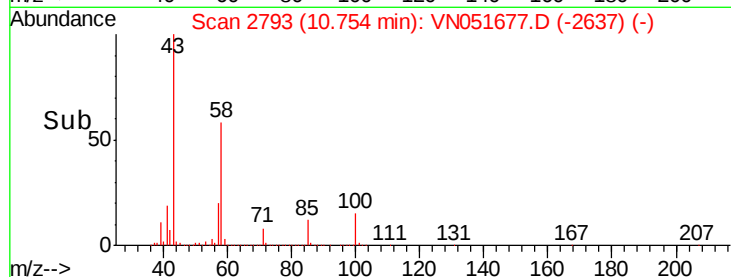
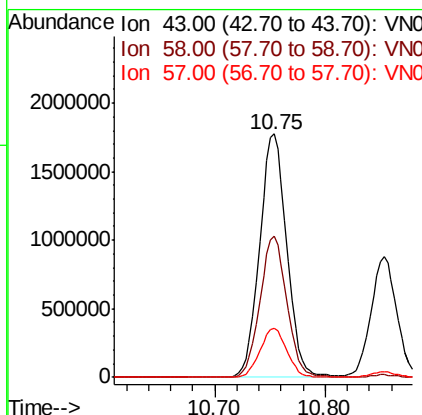
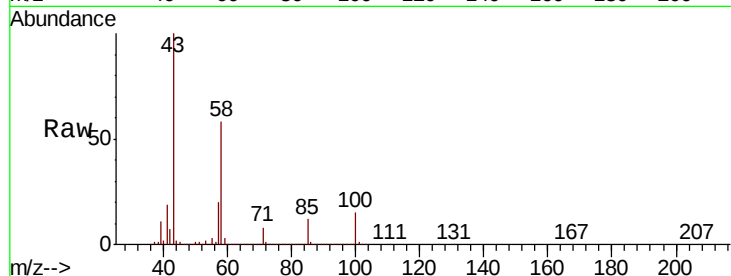
#59
2-Hexanone
Concen: 652.414 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	41.3	61.9
57	20.3	13.4	20.0

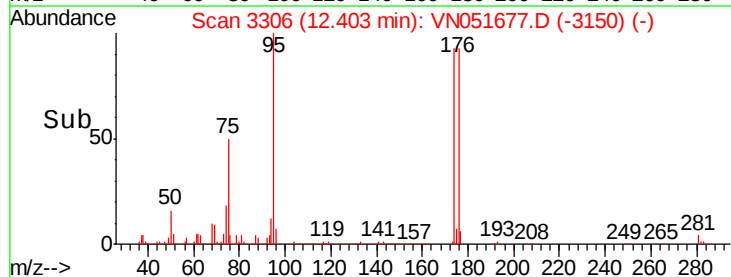
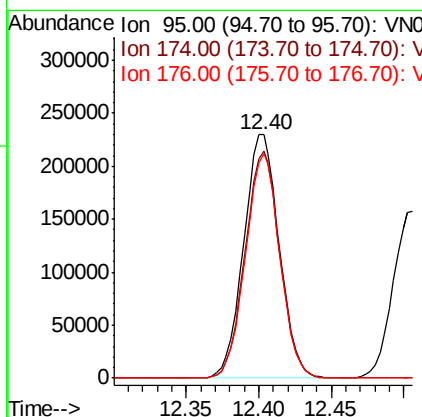
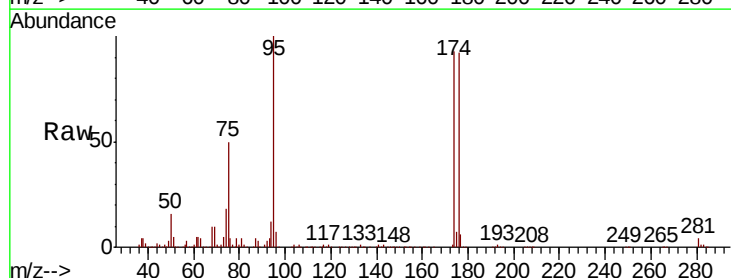
Manual Integrations
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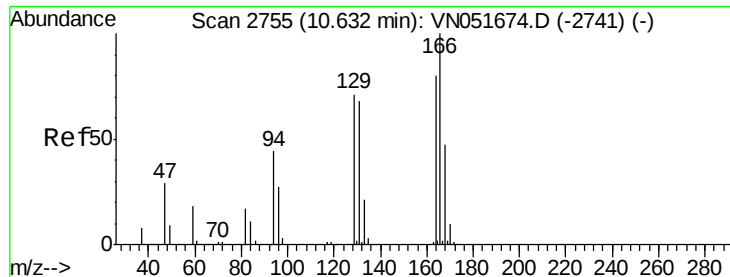
MMDadoda
10/8/2018 3:58:48 PM



#60
4-Bromofluorobenzene
Concen: 652.414 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	73.5	110.3
176	89.3	70.2	105.2





#61

Tetrachloroethene

Concen: 137.716 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:164 Resp: 1337344

Ion Ratio Lower Upper

164 100

166 128.0 98.7 148.1

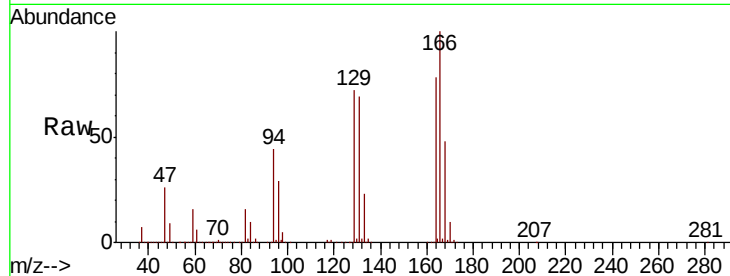
129 92.3 69.6 104.4

131 88.3 72.4 108.6

Manual Integrations
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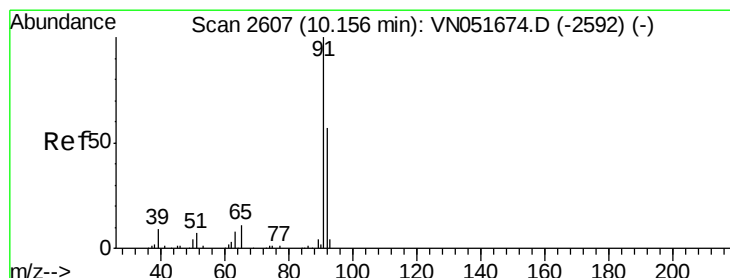
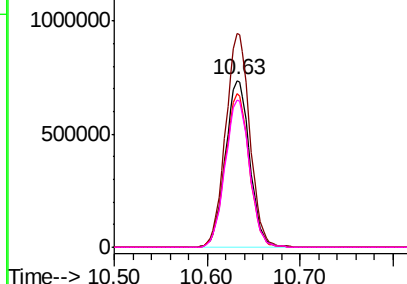
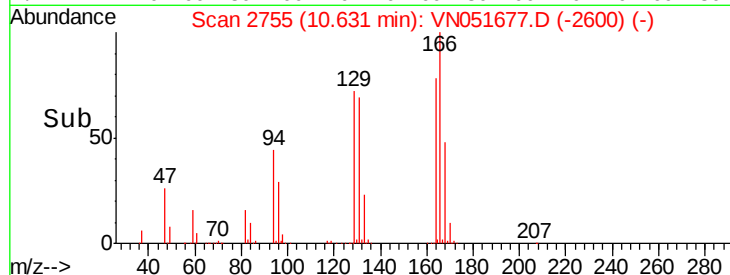
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 145.139 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051677.D

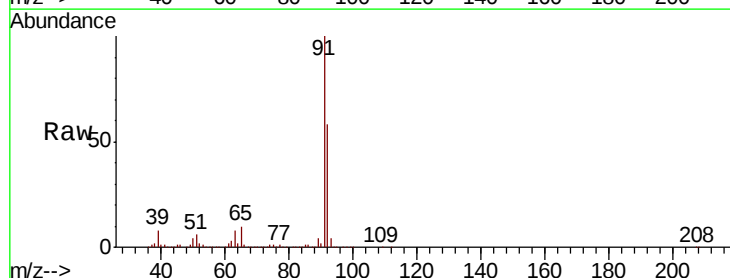
Acq: 5 Oct 2018 10:49

Tgt Ion: 91 Resp: 5999900

Ion Ratio Lower Upper

91 100

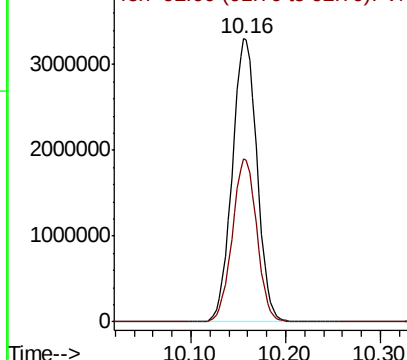
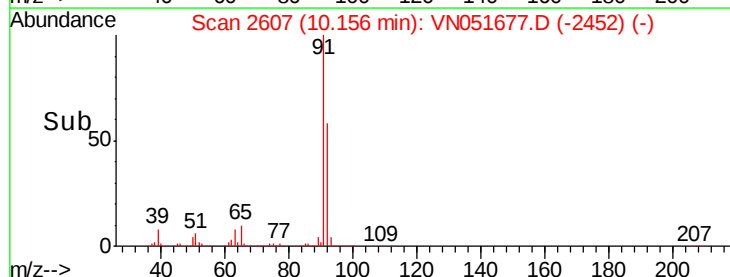
92 57.1 44.6 66.8

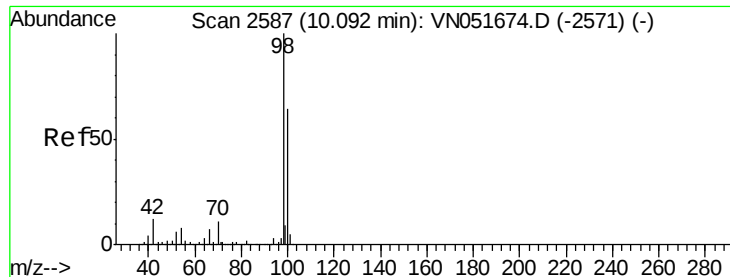


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 145.139 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 1043538

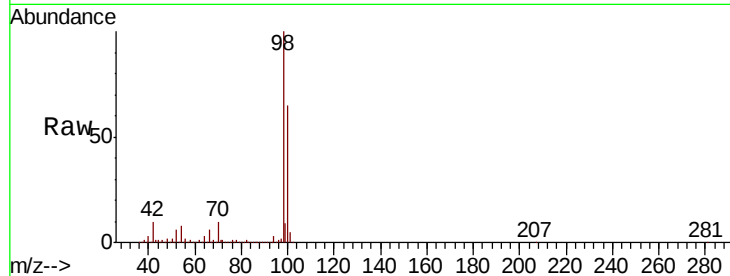
Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VN051677.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051677.D (-2571) (-)

10.09

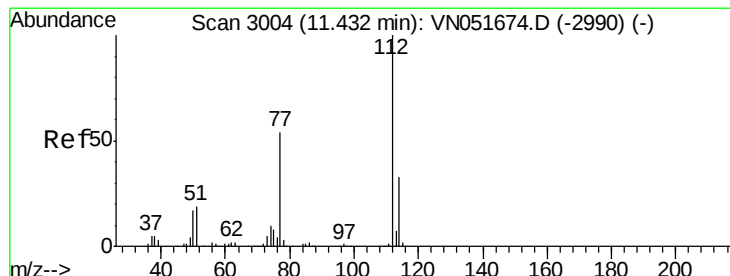
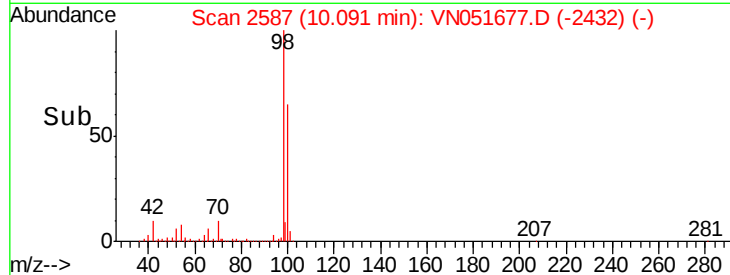
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 150.173 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051677.D

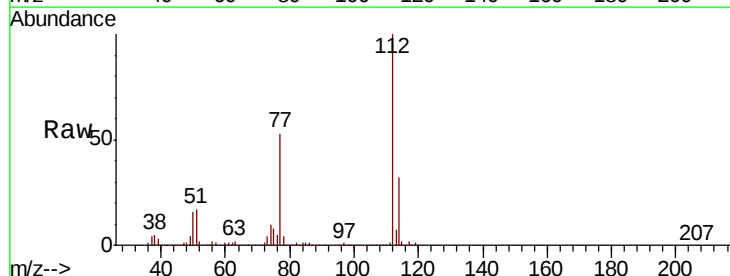
Acq: 5 Oct 2018 10:49

Tgt Ion: 112 Resp: 3957814

Ion Ratio Lower Upper

112 100

114 31.7 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051677.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN051677.D (-2849) (-)

11.43

2500000

2000000

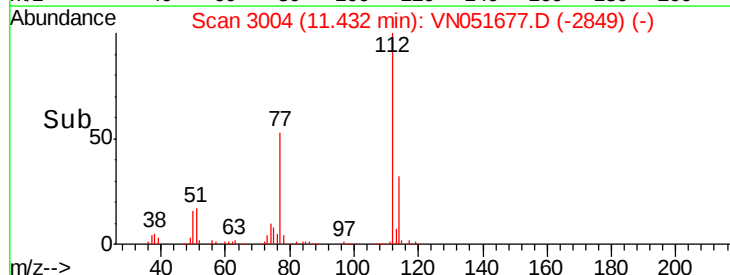
1500000

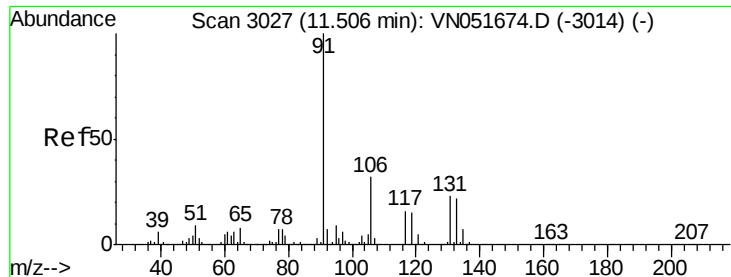
1000000

500000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 149.367 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:131 Resp: 1603929

Ion Ratio Lower Upper

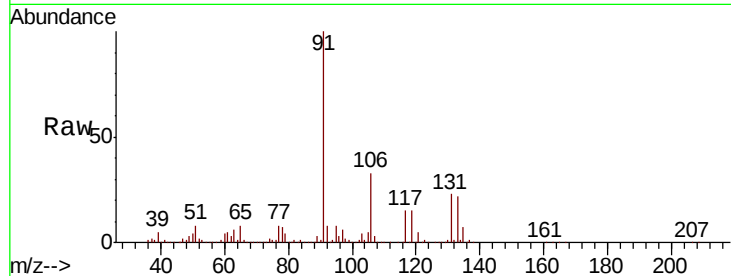
131 100

133 95.7 0.0 190.4

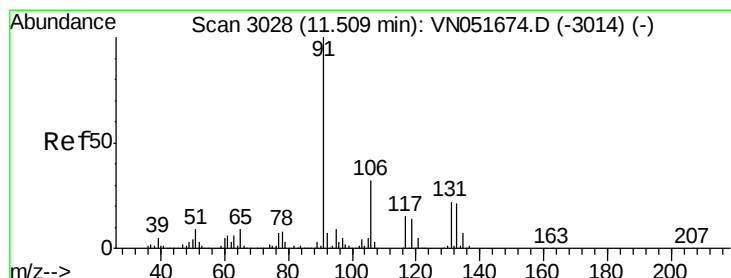
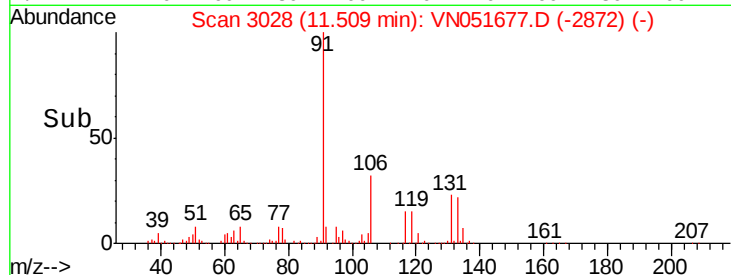
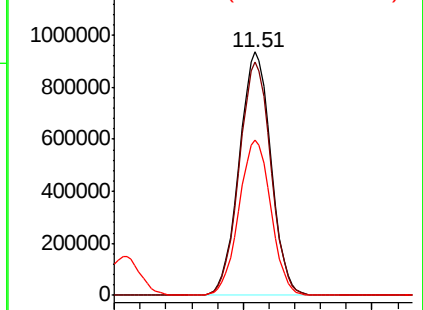
119 64.3 0.0 128.0

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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 147.241 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051677.D

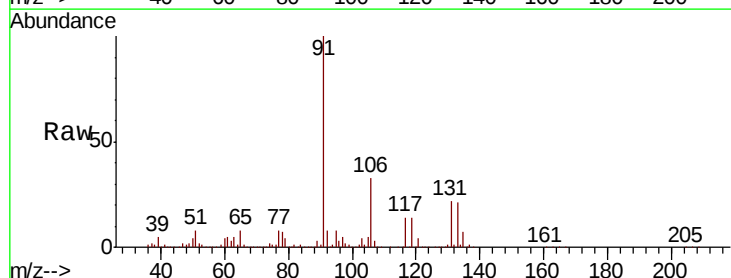
Acq: 5 Oct 2018 10:49

Tgt Ion: 91 Resp: 6827894

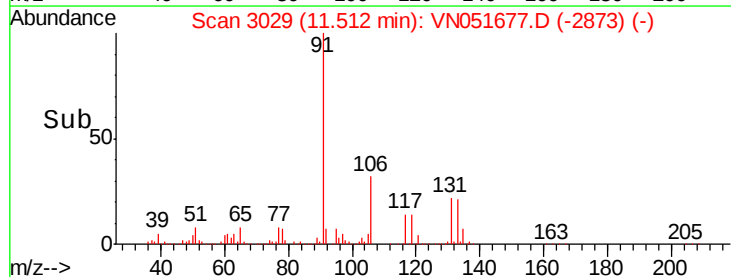
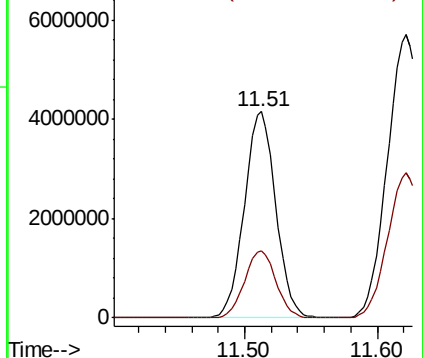
Ion Ratio Lower Upper

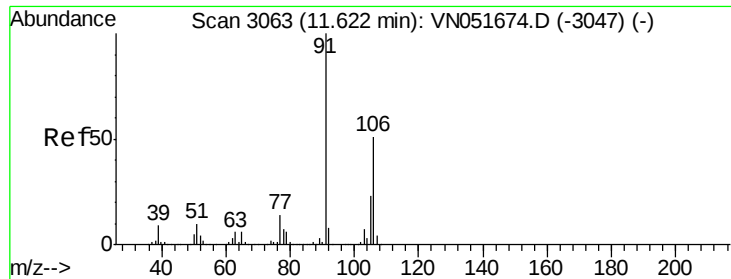
91 100

106 32.8 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 300.352 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 5548951

Ion Ratio Lower Upper

106 100

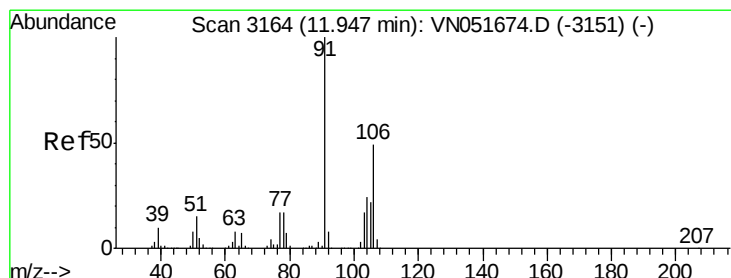
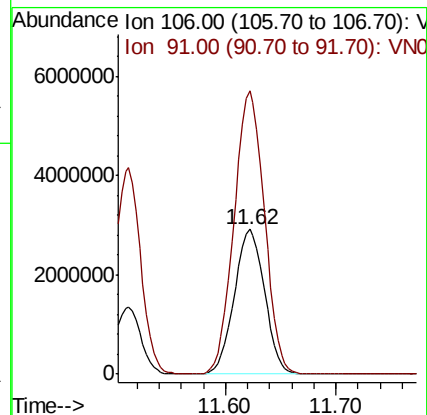
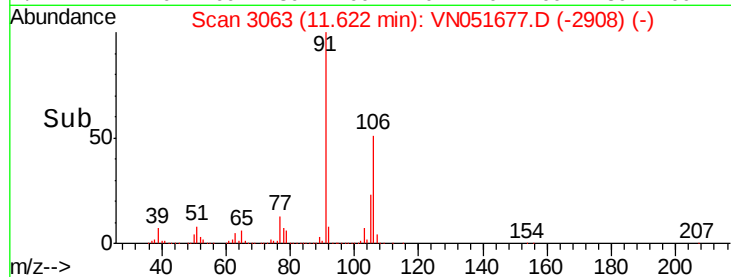
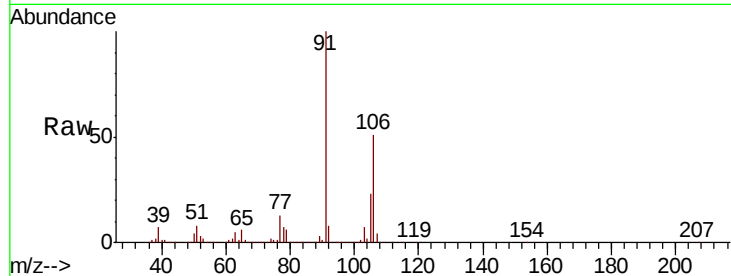
91 196.0 158.8 238.2

Manual Integrations

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#68

o-Xylene

Concen: 148.897 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051677.D

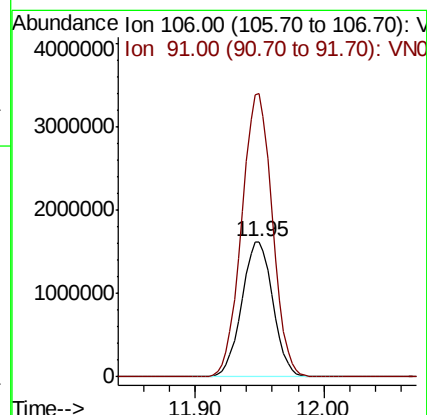
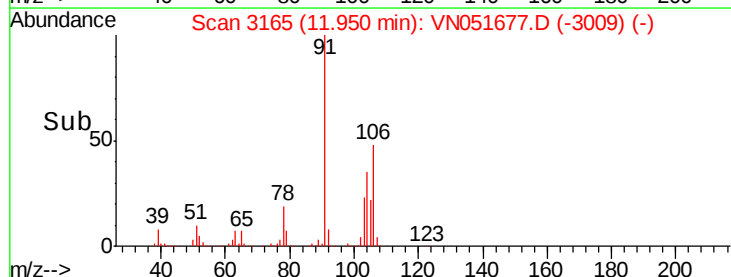
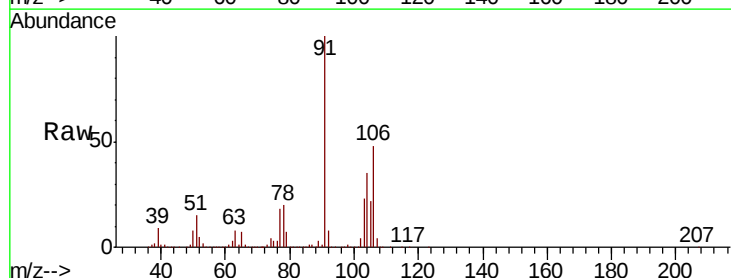
Acq: 5 Oct 2018 10:49

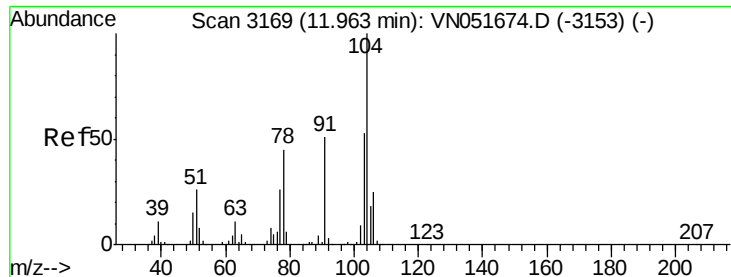
Tgt Ion:106 Resp: 2717779

Ion Ratio Lower Upper

106 100

91 207.3 111.1 333.3





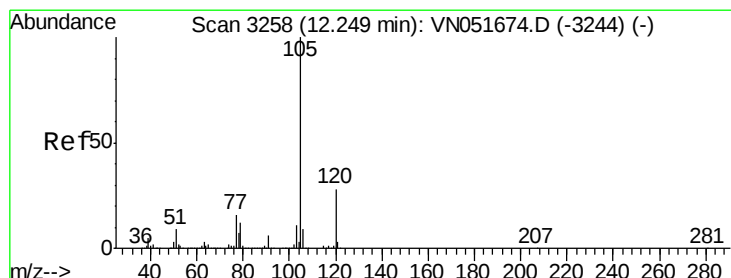
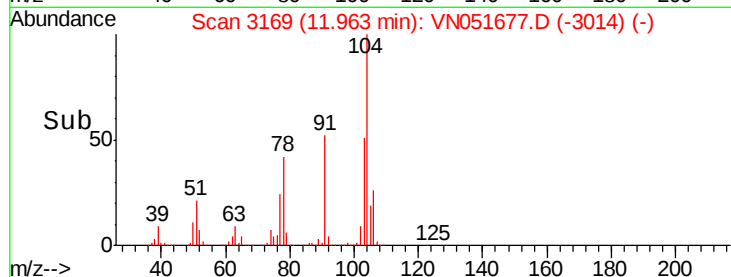
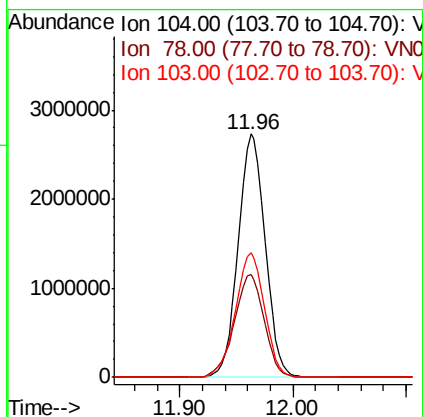
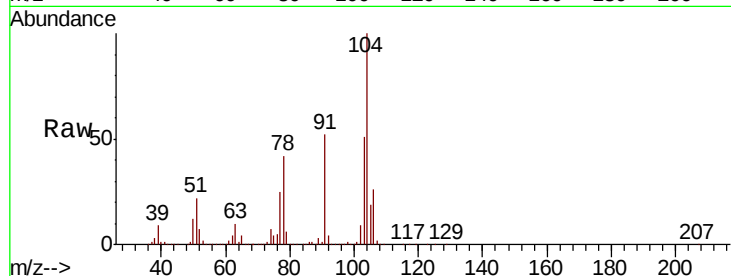
#69
Stvrene
Concen: 157.976 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.8	40.6	60.8
103	55.3	44.0	66.0

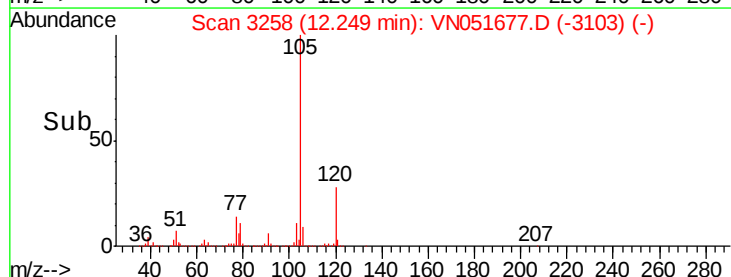
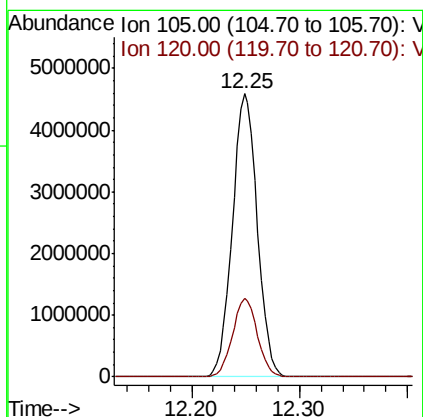
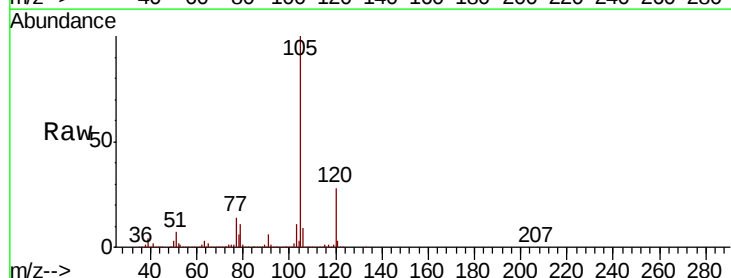
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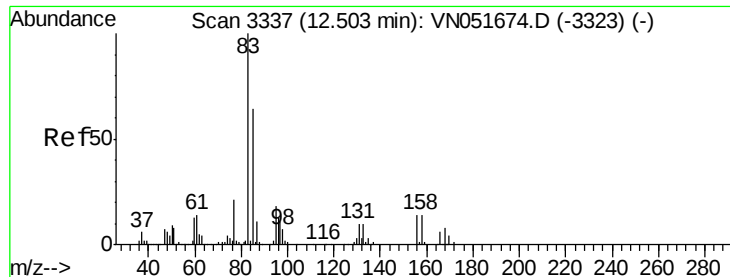
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#70
Isopropylbenzene
Concen: 150.486 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 146.946 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1509066

Ion Ratio Lower Upper

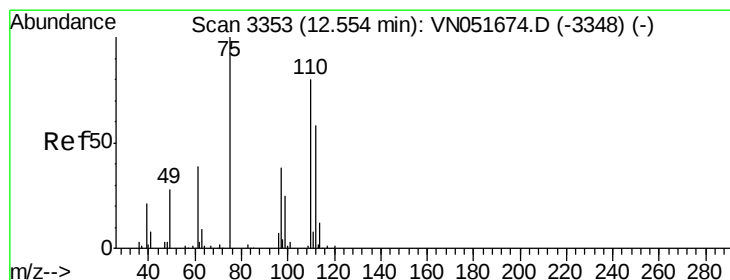
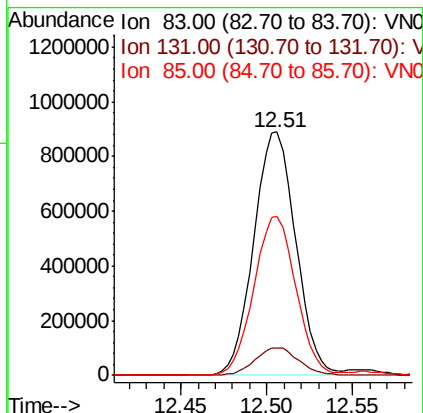
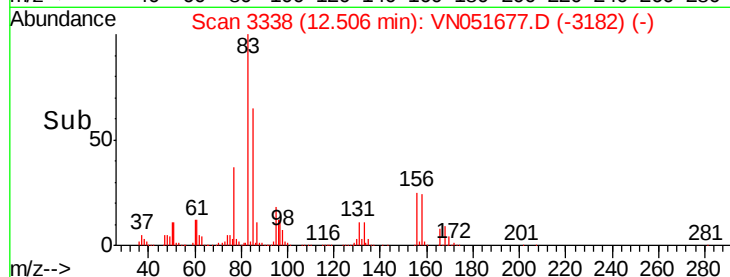
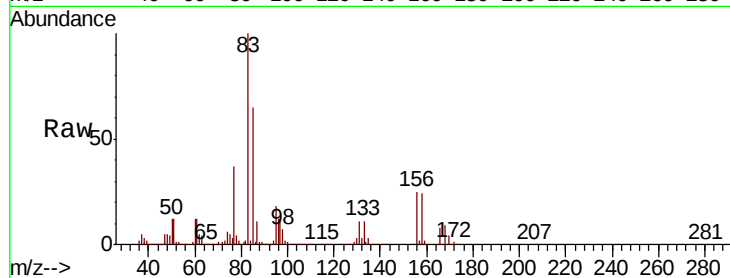
83 100

131 11.8 5.5 16.4

85 65.3 30.6 91.8

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 141.185 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051677.D

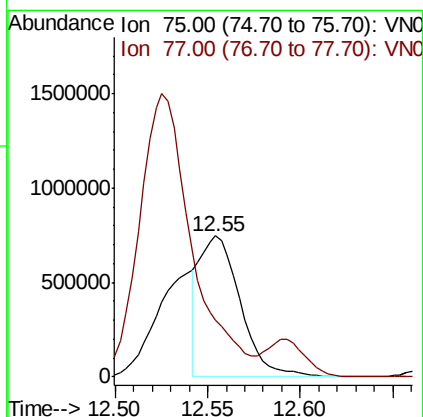
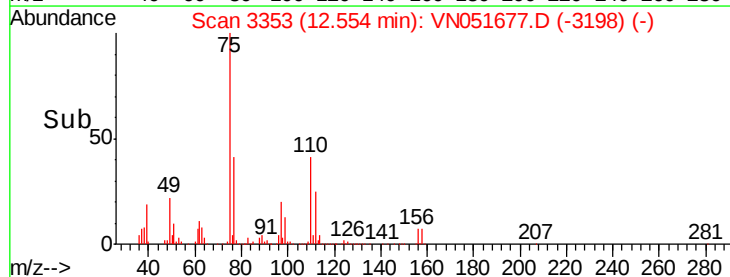
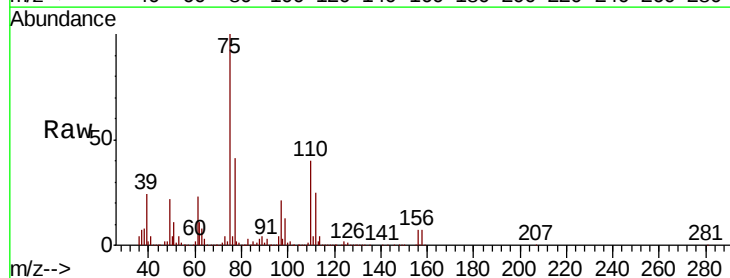
Acq: 5 Oct 2018 10:49

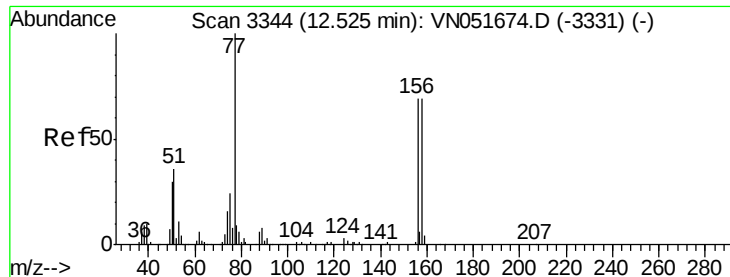
Tgt Ion: 75 Resp: 1165601

Ion Ratio Lower Upper

75 100

77 253.0 0.0 400.0





#73

Bromobenzene

Concen: 162.021 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

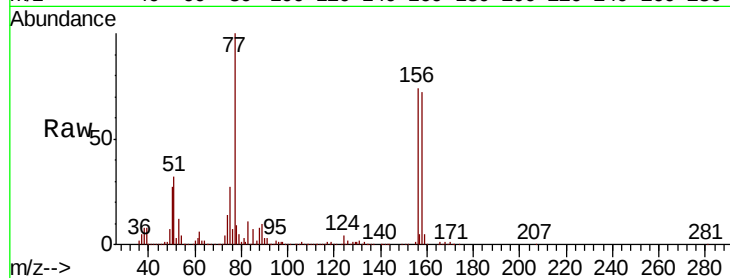
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.0	0.0	377.4
158	97.2	0.0	203.0

Manual Integrations
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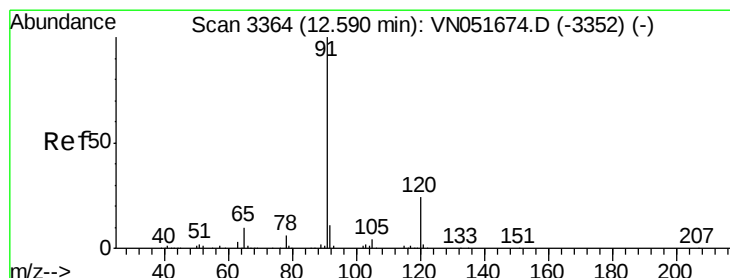
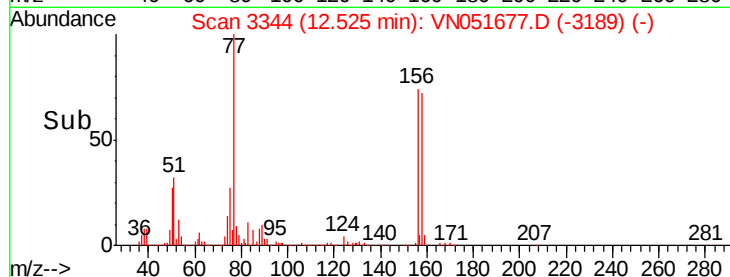
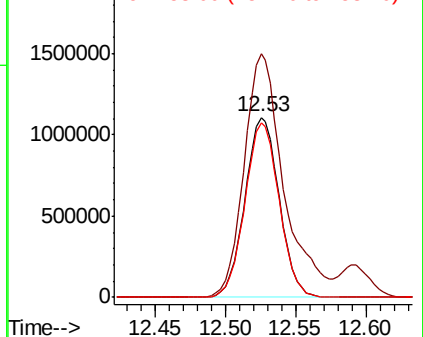
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 150.695 ug/l

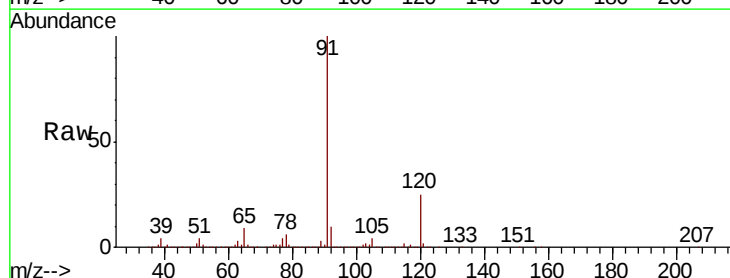
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051677.D

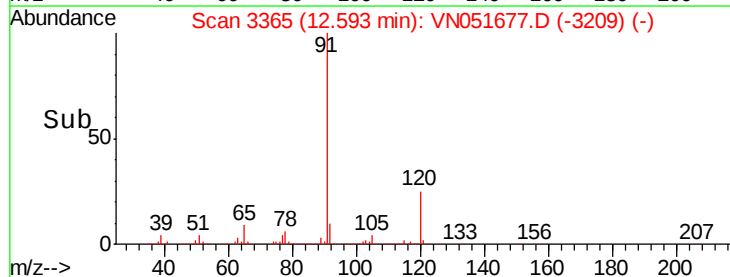
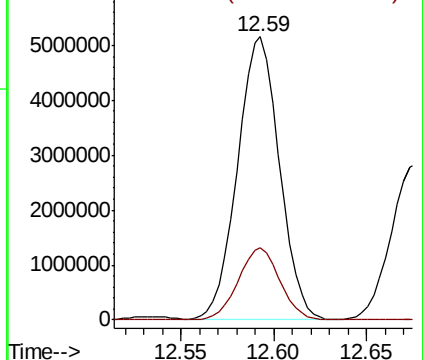
Acq: 5 Oct 2018 10:49

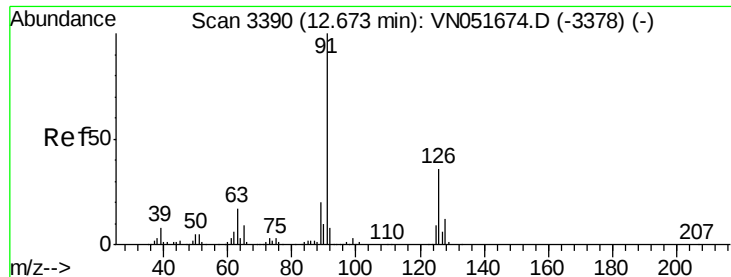
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	0.0	45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 150.791 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4745121

Ion Ratio Lower Upper

91 100

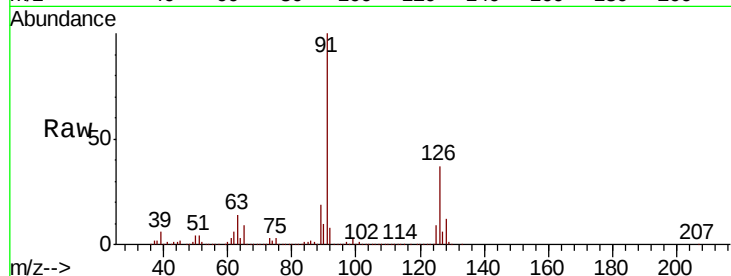
126 37.2 0.0 67.6

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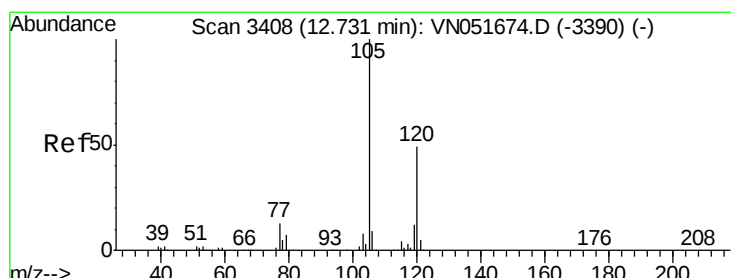
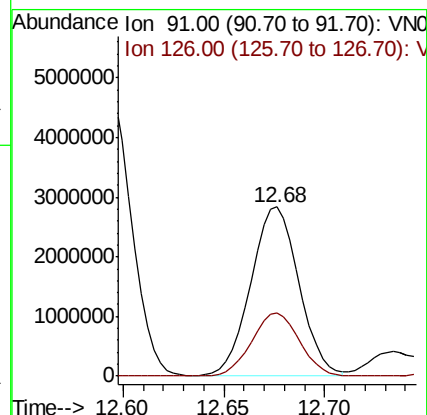
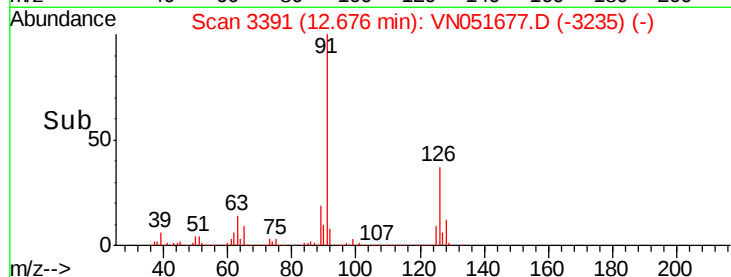
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Abundance Ion 91.00 (90.70 to 91.70): VN051677.D (-3390) (-)

Ion 126.00 (125.70 to 126.70): VN051677.D (-3390) (-)



#76

1,3,5-Trimethylbenzene

Concen: 149.468 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051677.D

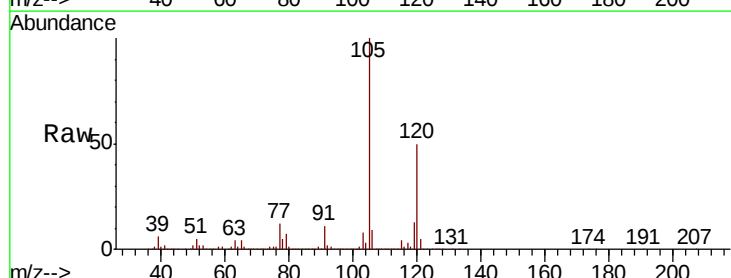
Acq: 5 Oct 2018 10:49

Tgt Ion:105 Resp: 6215849

Ion Ratio Lower Upper

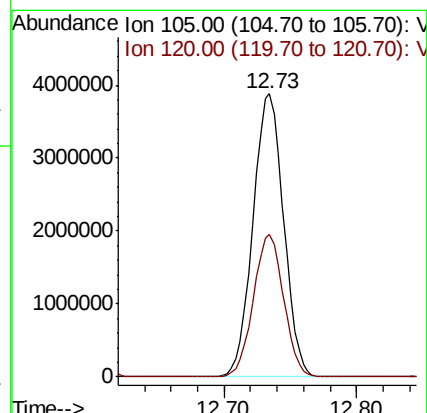
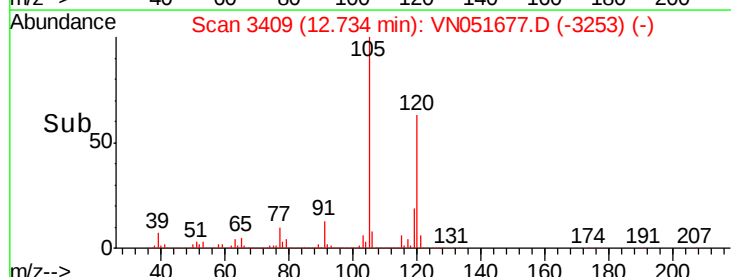
105 100

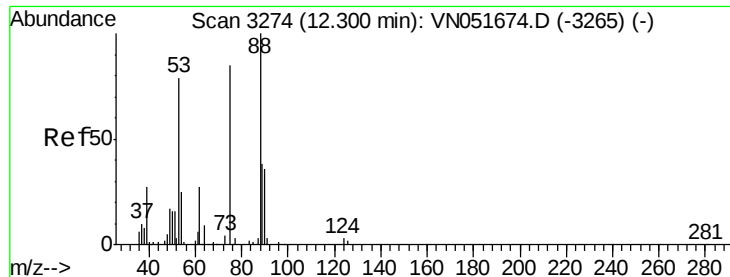
120 49.7 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051677.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN051677.D (-3408) (-)





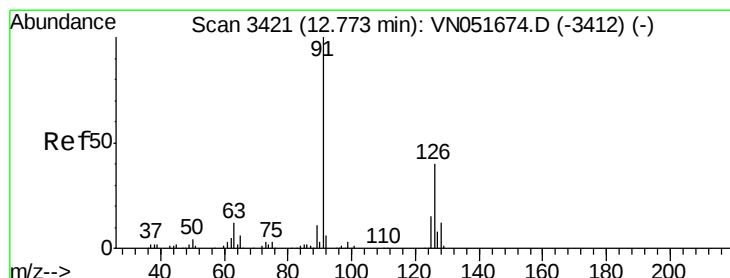
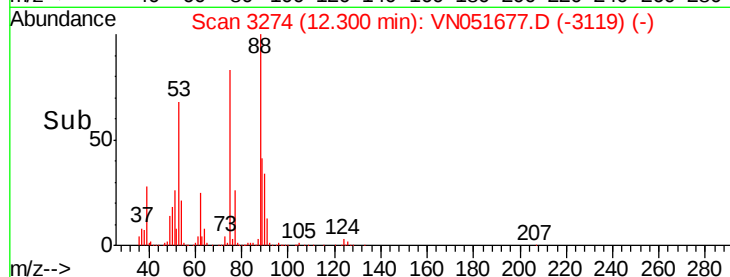
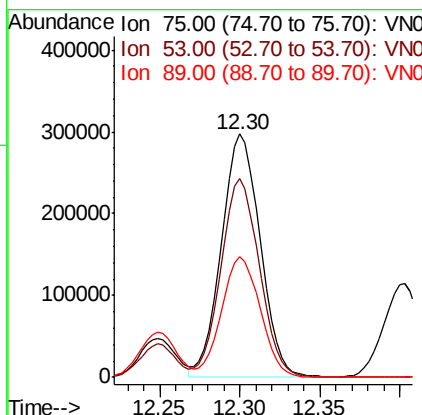
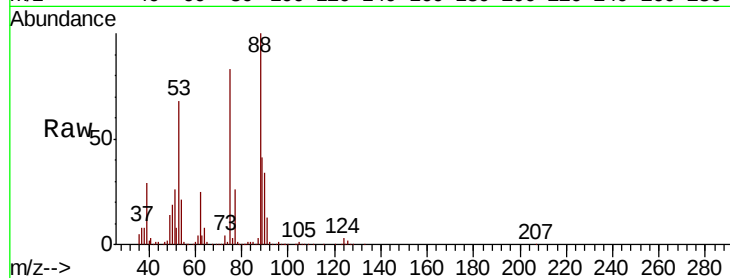
#77
t-1,4-Dichloro-2-butene
Concen: 165.689 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.8	46.3	138.9
89	49.6	24.6	73.8

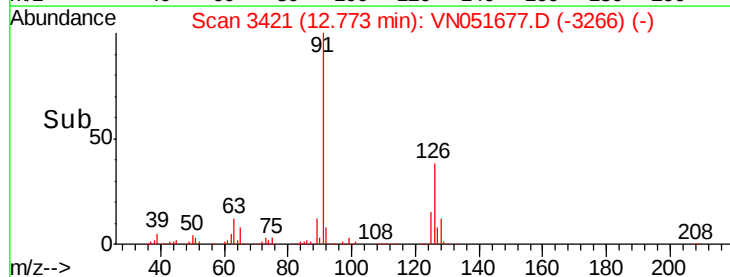
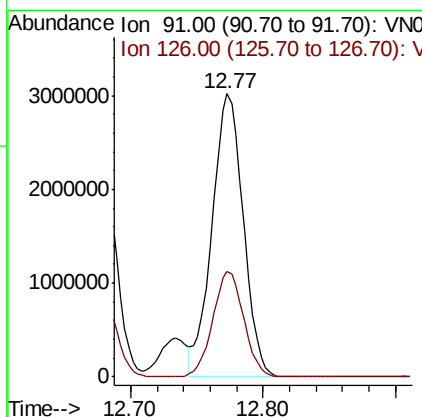
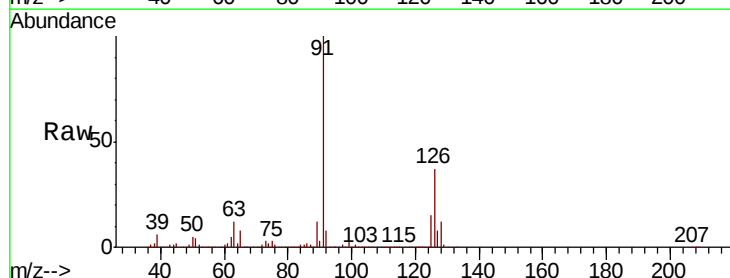
Manual Integrations
APPROVED

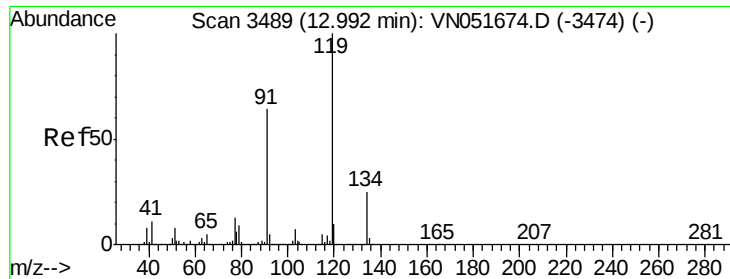
MMDadoda
10/8/2018 3:58:48 PM



#78
4-Chlorotoluene
Concen: 157.870 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	0.0	65.2





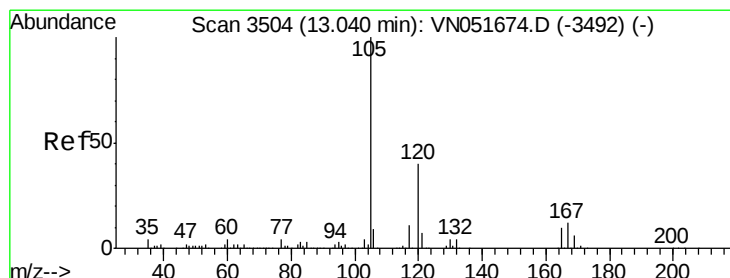
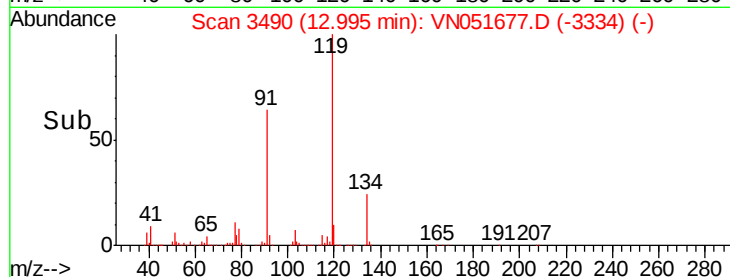
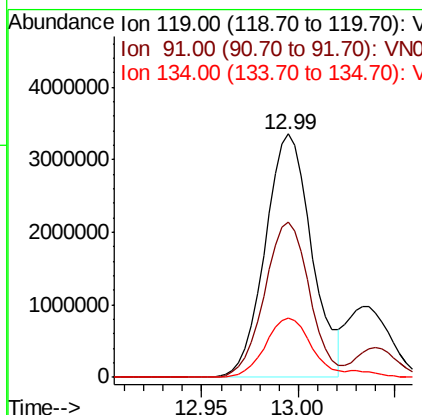
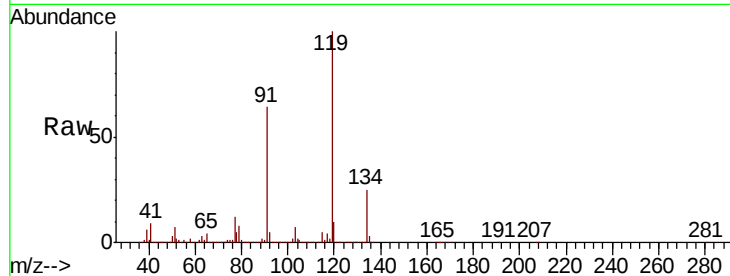
#79
tert-butylbenzene
Concen: 150.091 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 5609245
Ion Ratio Lower Upper
119 100
91 62.2 0.0 131.6
134 24.2 0.0 46.2

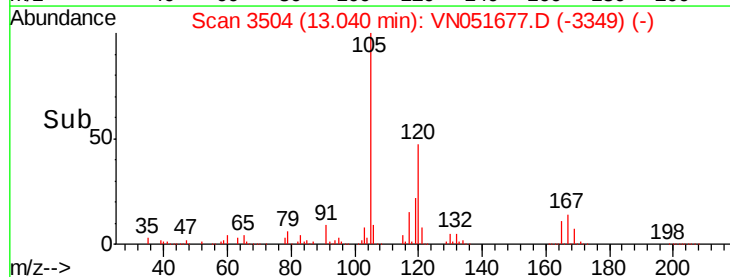
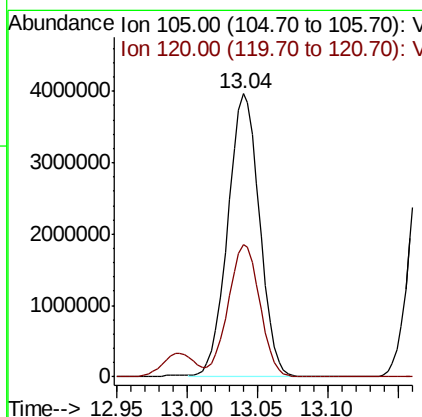
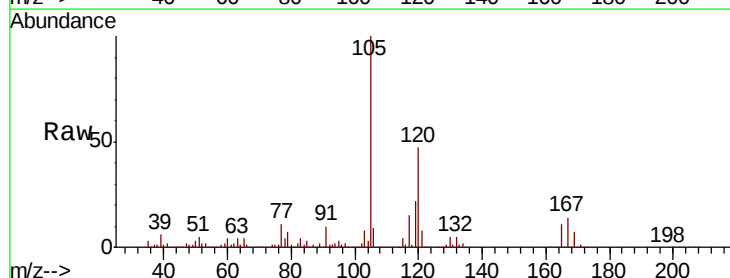
Manual Integrations
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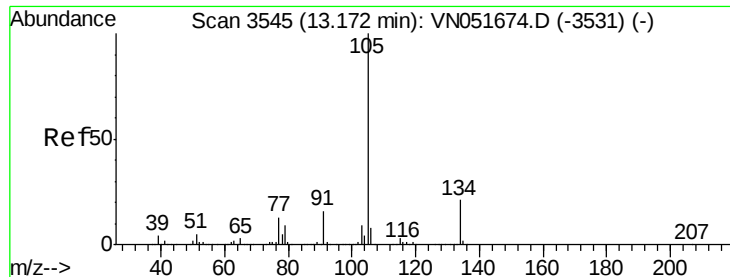
MMDadoda
10/8/2018 3:58:48 PM



#80
1,2,4-Trimethylbenzene
Concen: 151.137 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion:105 Resp: 6237901
Ion Ratio Lower Upper
105 100
120 47.0 0.0 89.6





#81

sec-Butylbenzene

Concen: 148.130 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 7425025

Ion Ratio Lower Upper

105 100

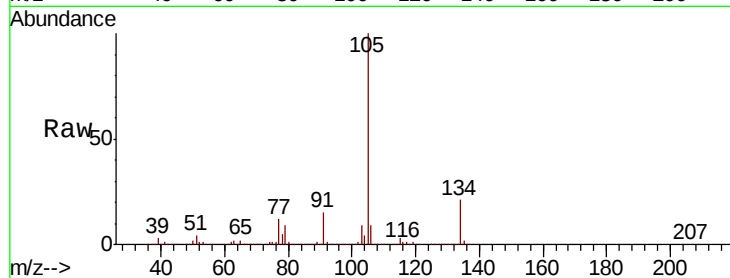
134 21.1 0.0 39.4

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

5000000

4000000

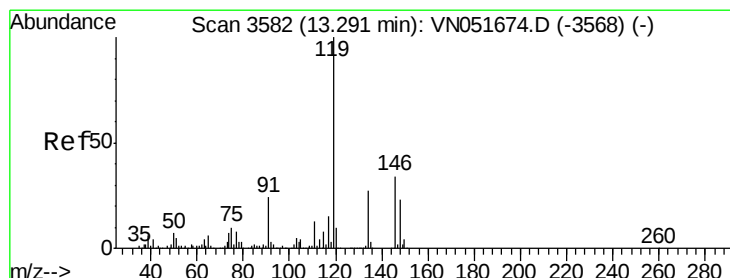
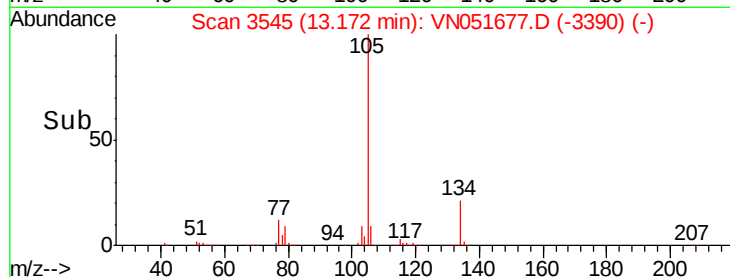
3000000

2000000

1000000

0

Time-->



#82

p-Isopropyltoluene

Concen: 154.743 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051677.D

Acq: 5 Oct 2018 10:49

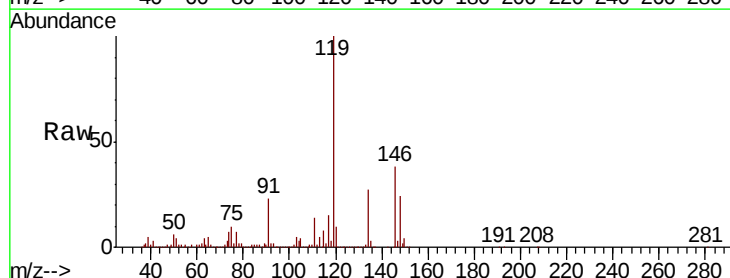
Tgt Ion:119 Resp: 6773422

Ion Ratio Lower Upper

119 100

134 27.1 0.0 53.6

91 22.9 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

6000000

5000000

4000000

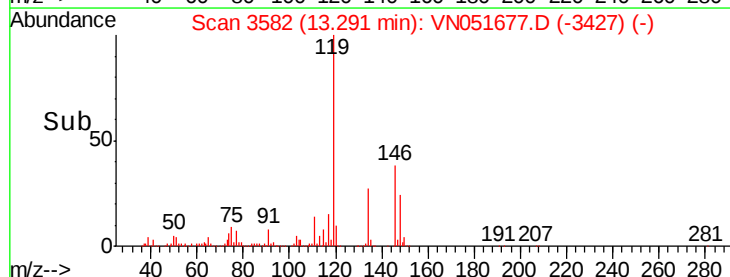
3000000

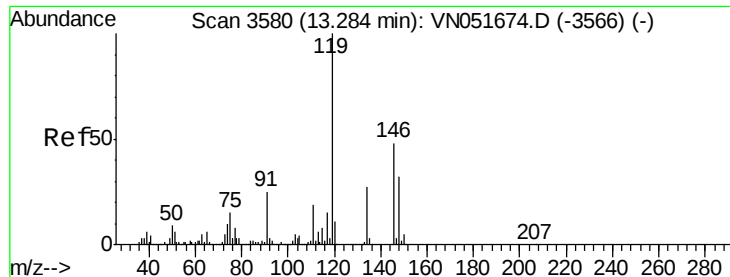
2000000

1000000

0

Time-->





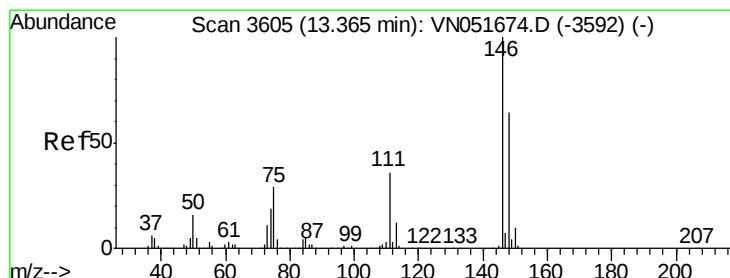
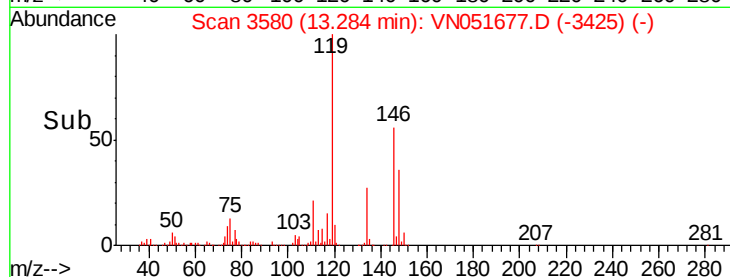
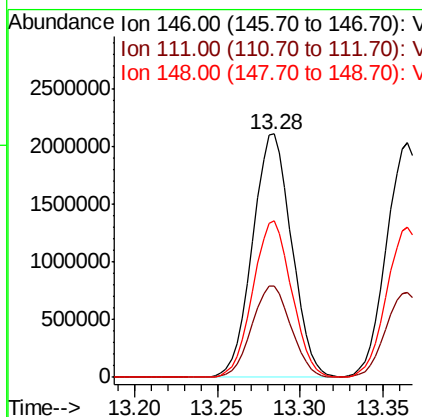
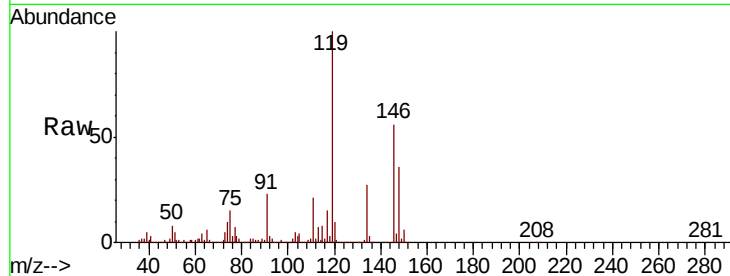
#83
 1,3-Dichlorobenzene
 Concen: 168.362 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 3461747
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.1 54.3
 148 63.8 31.3 93.8

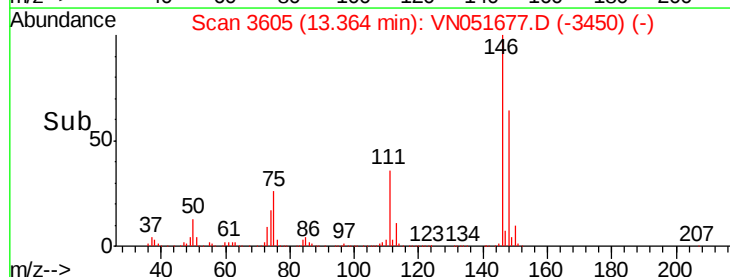
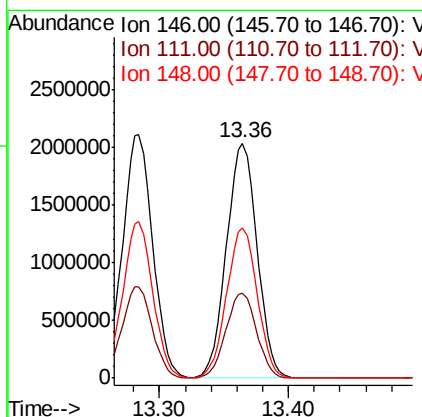
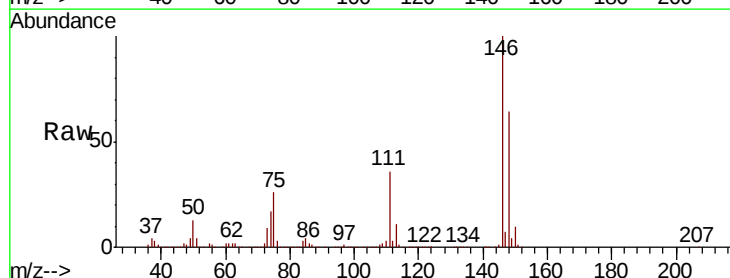
Manual Integrations
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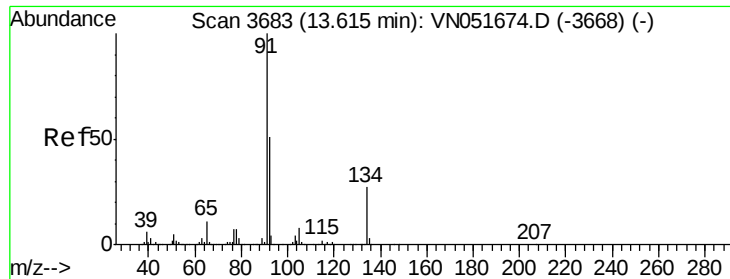
MMDadoda
 10/8/2018 3:58:48 PM



#84
 1,4-Dichlorobenzene
 Concen: 172.068 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion:146 Resp: 3364613
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.4 52.2
 148 63.8 32.8 98.3





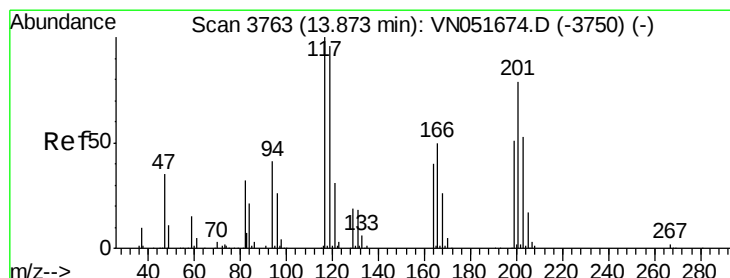
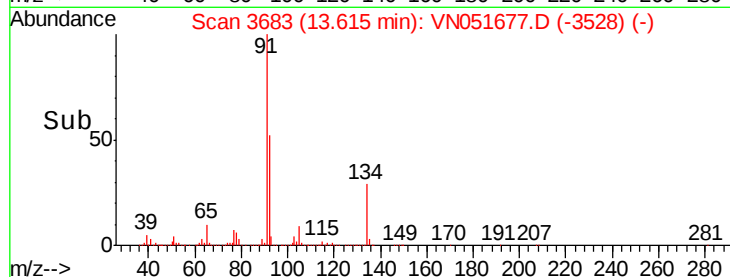
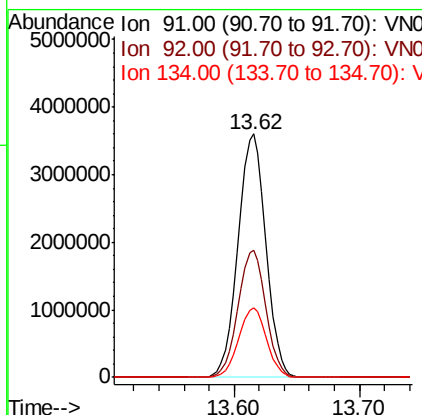
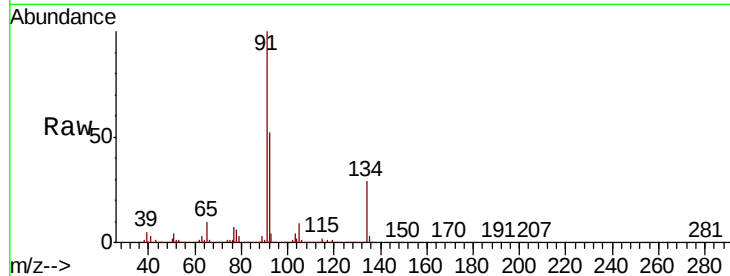
#85
n-Butylbenzene
Concen: 161.905 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	97.4
134	28.6	0.0	49.6

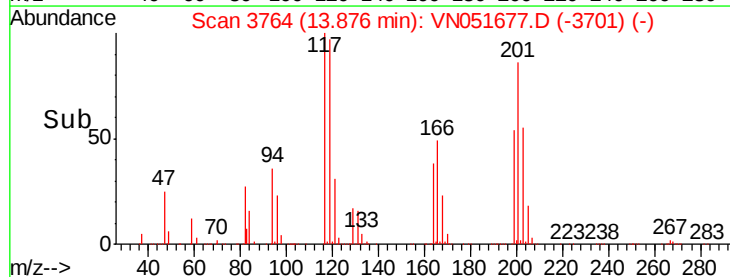
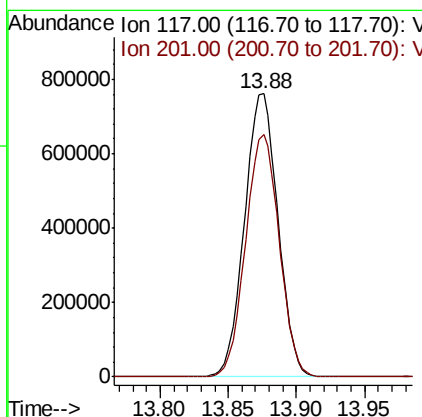
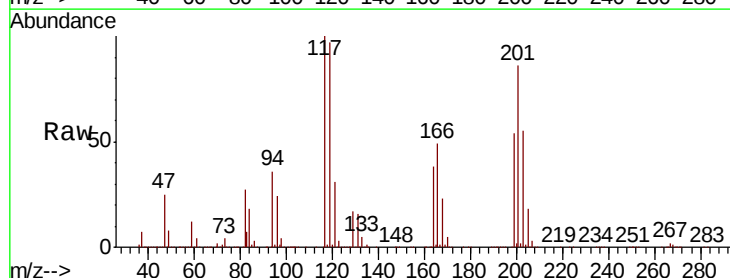
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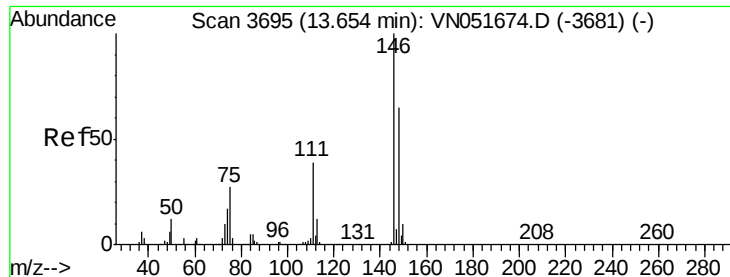
MMDadoda
10/8/2018 3:58:48 PM



#86
Hexachloroethane
Concen: 148.663 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	47.8	143.3





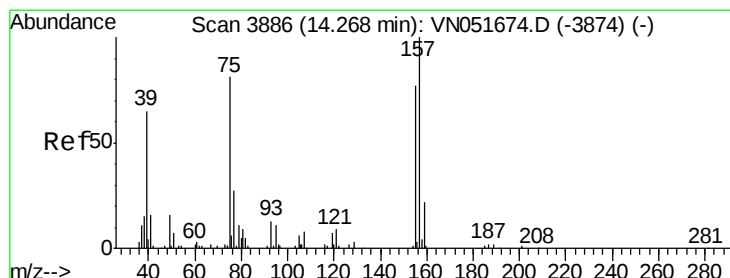
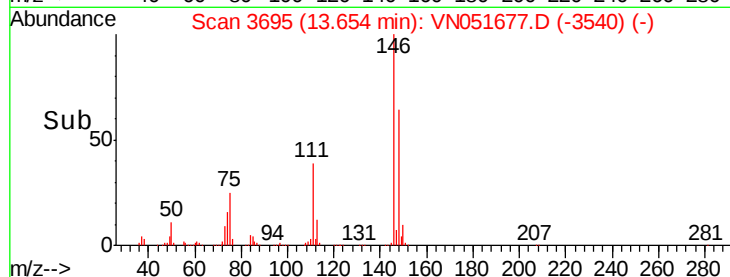
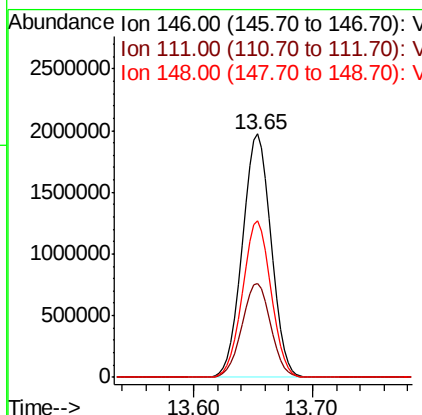
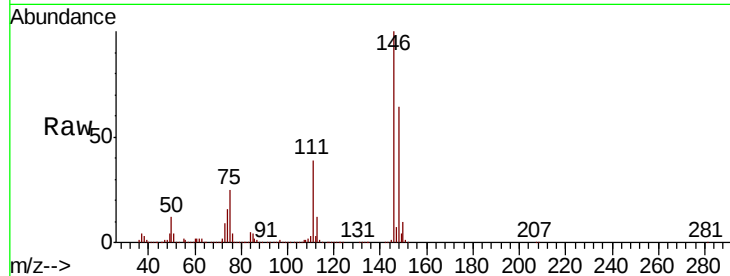
#87
 1,2-Dichlorobenzene
 Concen: 162.092 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	63.7	33.2	99.6

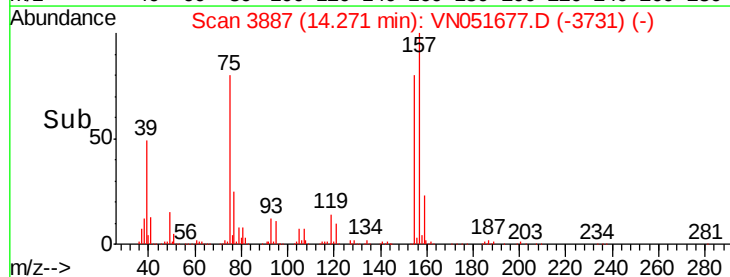
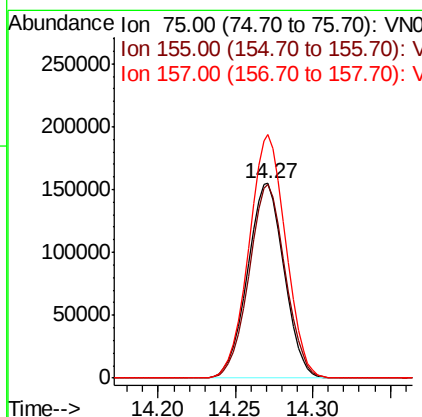
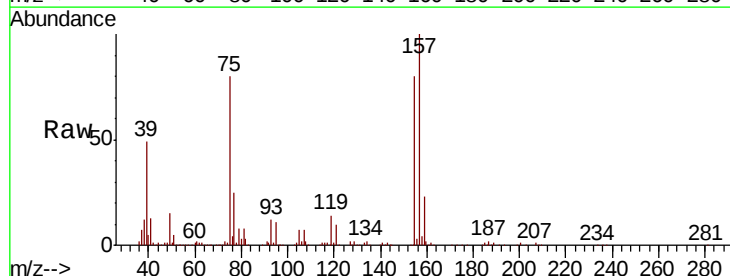
Manual Integrations
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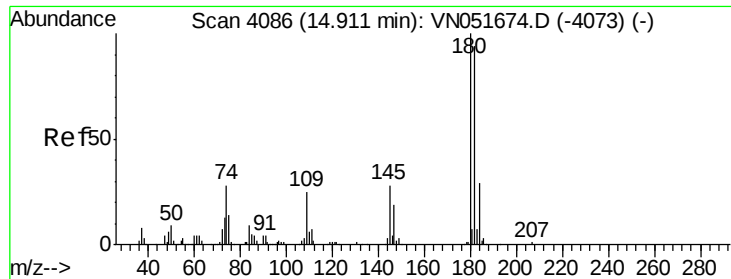
MMDadoda
 10/8/2018 3:58:48 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 152.500 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	57.0	85.6#
157	125.5	87.4	131.0





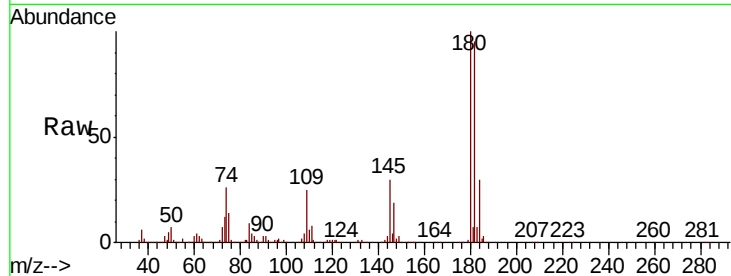
#89
 1,2,4-Trichlorobenzene
 Concen: 217.466 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.7	116.5
145	30.1	23.4	35.2

Manual Integrations
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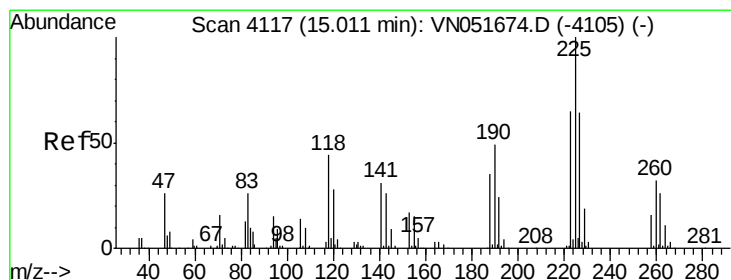
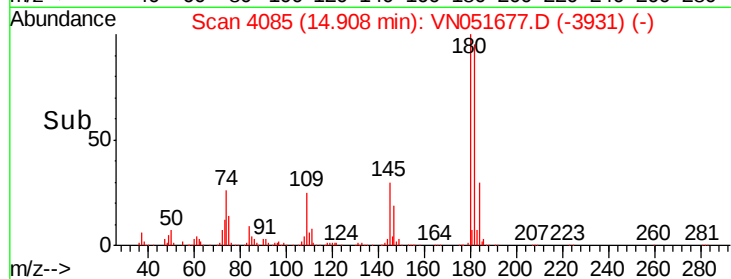
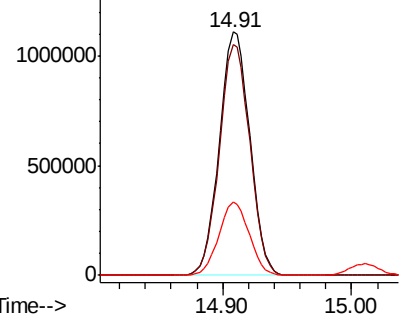


Abundance

Ion 180.00 (179.70 to 180.70): V

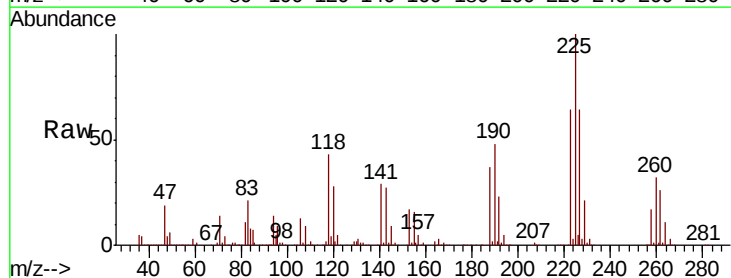
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 155.255 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051677.D
 Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	117.0
227	63.6	0.0	127.0

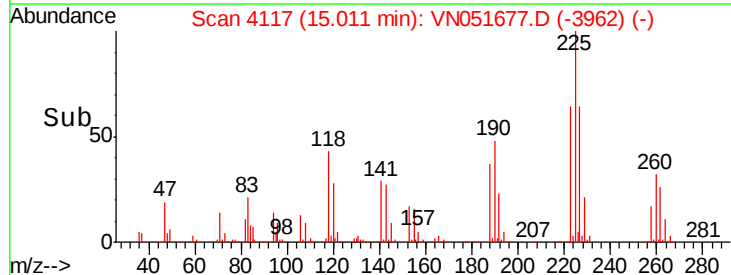
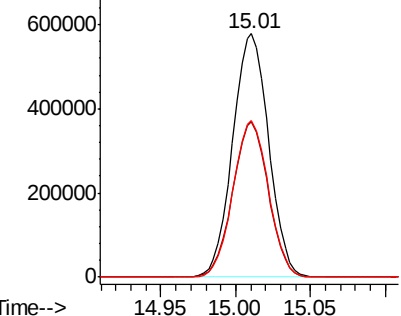


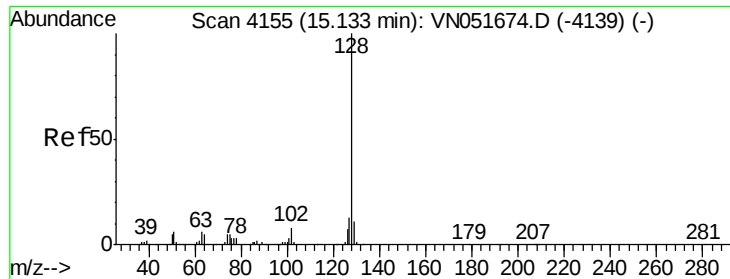
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





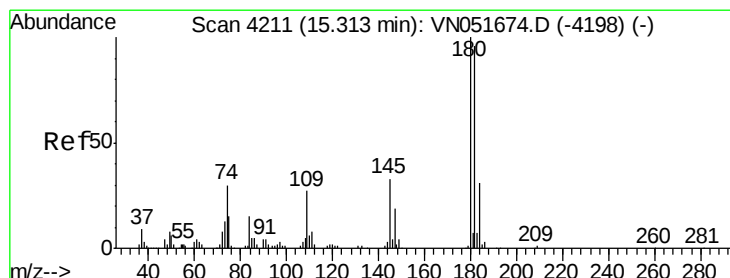
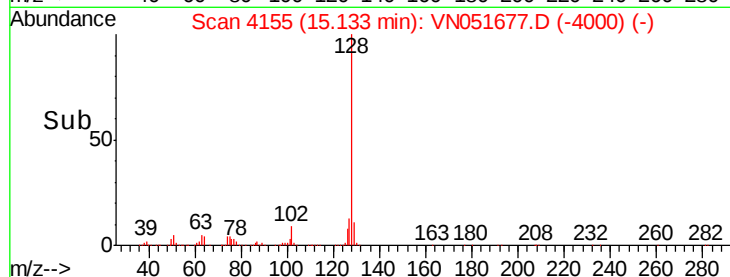
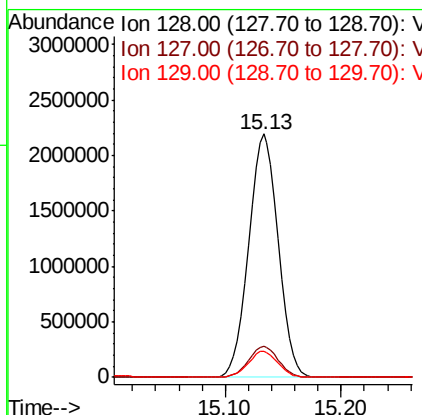
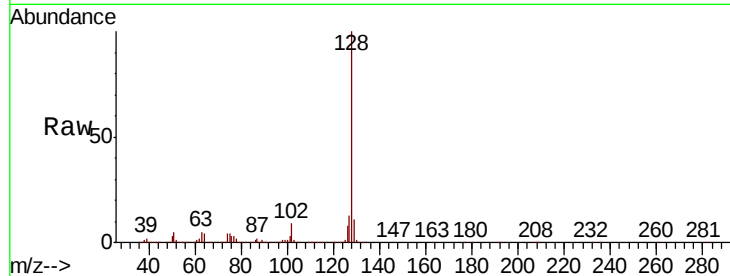
#91
Naphthalene
Concen: 217.585 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 205.053 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051677.D
Acq: 5 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	198.0
145	32.3	0.0	36.8

