

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051658.D
 Acq On : 4 Oct 2018 11:16
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:08 PM

Quant Time: Oct 05 02:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	555976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	859885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	781086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	384393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	139388	18.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.96%	
35) Dibromofluoromethane	7.59	113	125973	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	
50) Toluene-d8	10.09	98	461143	18.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.18%	
62) 4-Bromofluorobenzene	12.40	95	149492	17.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147917	22.419	ug/l	98
3) Chloromethane	2.06	50	143192	22.568	ug/l	100
4) Vinyl Chloride	2.18	62	226579	22.670	ug/l	97
5) Bromomethane	2.57	94	145799	18.969	ug/l	100
6) Chloroethane	2.70	64	149532	22.260	ug/l	96
7) Trichlorofluoromethane	3.01	101	221273	19.418	ug/l	98
8) Diethyl Ether	3.41	74	61161	20.999	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	119591	21.528	ug/l	99
10) Methyl Iodide	3.95	142	139235	20.561	ug/l	99
11) Tert butyl alcohol	4.79	59	48525	104.911	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	109544	21.157	ug/l	98
13) Acrolein	3.61	56	32584	104.487	ug/l	94
14) Allyl chloride	4.33	41	166119	21.036	ug/l	98
15) Acrylonitrile	5.00	53	173303	100.612	ug/l	100
16) Acetone	3.82	43	138700	103.183	ug/l	99
17) Carbon Disulfide	4.05	76	317270	20.159	ug/l	100
18) Methyl Acetate	4.33	43	84322	20.800	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	348492	20.391	ug/l	99
20) Methylene Chloride	4.55	84	122847	20.329	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	122104	19.901	ug/l	96
22) Diisopropyl ether	5.95	45	352338	20.814	ug/l	97
23) Vinyl Acetate	5.90	43	1262219	101.409	ug/l	100
24) 1,1-Dichloroethane	5.85	63	221029	20.302	ug/l	98
25) 2-Butanone	6.84	43	215043	101.393	ug/l	100
26) 2,2-Dichloropropane	6.83	77	230299	21.109	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	144257	20.254	ug/l	99
28) Bromochloromethane	7.20	49	96896	20.104	ug/l	99
29) Tetrahydrofuran	7.21	42	131994	101.416	ug/l	98
30) Chloroform	7.37	83	249546	20.401	ug/l	99
31) Cyclohexane	7.65	56	203649	20.425	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	238141	20.086	ug/l	99
36) 1,1-Dichloropropene	7.79	75	178973	19.913	ug/l	100
37) Ethyl Acetate	6.94	43	96025	20.485	ug/l	99
38) Carbon Tetrachloride	7.78	117	209802	19.453	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	225408	19.979	ug/l	98
40) Benzene	8.04	78	533496	20.023	ug/l	99
41) Methacrylonitrile	7.18	41	48328	18.775	ug/l #	70
42) 1,2-Dichloroethane	8.13	62	178052	19.829	ug/l	98
43) Isopropyl Acetate	8.17	43	201726	20.640	ug/l	99
44) Trichloroethene	8.84	130	149501	19.761	ug/l	98
45) 1,2-Dichloropropane	9.12	63	133942	20.332	ug/l	100
46) Dibromomethane	9.21	93	91208	19.919	ug/l	98
47) Bromodichloromethane	9.40	83	198756	19.718	ug/l	98
48) Methyl methacrylate	9.20	41	90271	20.213	ug/l	99
49) 1,4-Dioxane	9.20	88	25244	376.975	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	507389	102.452	ug/l	100
52) Toluene	10.16	92	341708	19.282	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	200803	19.306	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	217593	19.701	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	123251	19.524	ug/l	98
56) Ethyl methacrylate	10.43	69	155466	19.474	ug/l	94
57) 1,3-Dichloropropane	10.71	76	201113	20.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	322844	97.711	ug/l	99
59) 2-Hexanone	10.75	43	342069	101.705	ug/l	95
60) Dibromochloromethane	10.90	129	158445	19.179	ug/l	99
61) 1,2-Dibromoethane	11.01	107	128256	19.218	ug/l	99
64) Tetrachloroethene	10.63	164	140878	20.443	ug/l	95
65) Chlorobenzene	11.43	112	382454	19.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151344	19.539	ug/l	98
67) Ethyl Benzene	11.51	91	671888	20.094	ug/l	99
68) m/p-Xylenes	11.62	106	523489	39.129	ug/l	99
69) o-Xylene	11.95	106	264628	20.169	ug/l	99
70) Styrene	11.96	104	399849	19.125	ug/l	99
71) Bromoform	12.13	173	107402	18.642	ug/l #	100
73) Isopropylbenzene	12.25	105	696083	21.243	ug/l	98
74) N-amyl acetate	12.07	43	156590	20.955	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	149221	21.127	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	109617m	20.332	ug/l	
77) Bromobenzene	12.53	156	162870	20.328	ug/l	99
78) n-propylbenzene	12.59	91	744824	20.840	ug/l	99
79) 2-Chlorotoluene	12.67	91	442570	21.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	575317	20.834	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42824	20.479	ug/l	97
82) 4-Chlorotoluene	12.77	91	431112	20.374	ug/l	99
83) tert-Butylbenzene	12.99	119	514744	20.803	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	575169	20.795	ug/l	99
85) sec-Butylbenzene	13.17	105	688249	21.028	ug/l	98
86) p-Isopropyltoluene	13.29	119	594727	20.497	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278509	19.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	270455	19.681	ug/l	99
89) n-Butylbenzene	13.62	91	466162	20.319	ug/l	98
90) Hexachloroethane	13.87	117	122643	21.185	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	276746	19.940	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24780	21.528	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	106209	17.198	ug/l	98
94) Hexachlorobutadiene	15.01	225	85304	20.358	ug/l	97
95) Naphthalene	15.13	128	219117	16.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109963	18.079	ug/l	99

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

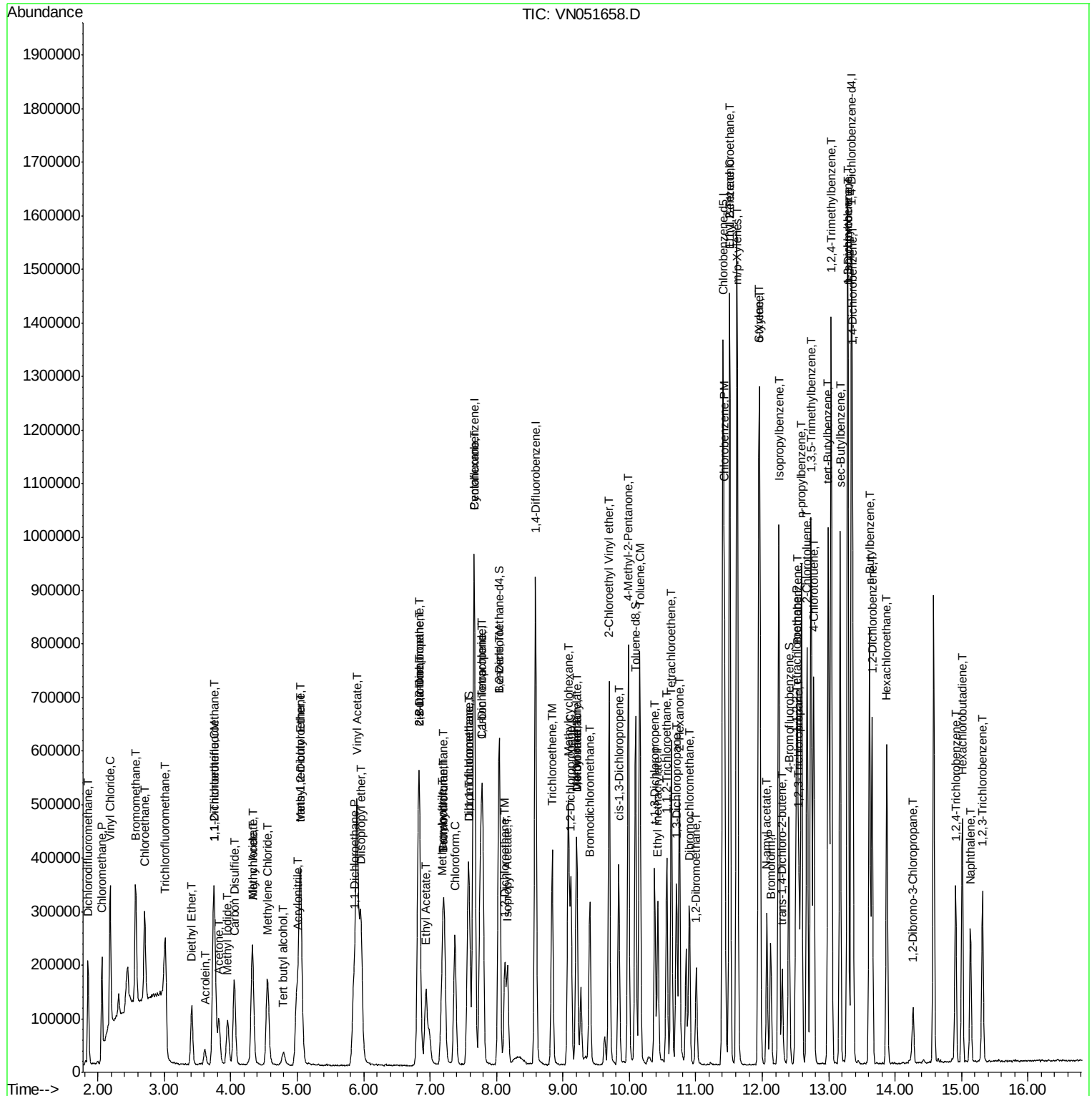
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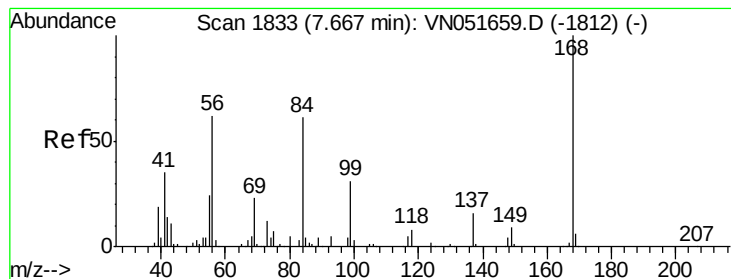
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion:168 Resp: 555976

Ion Ratio Lower Upper

168 100

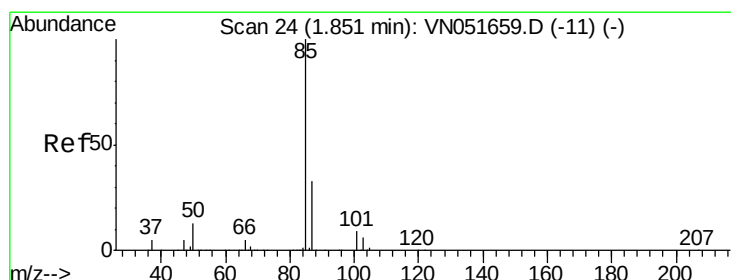
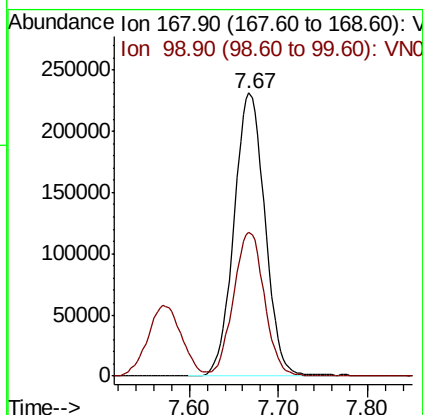
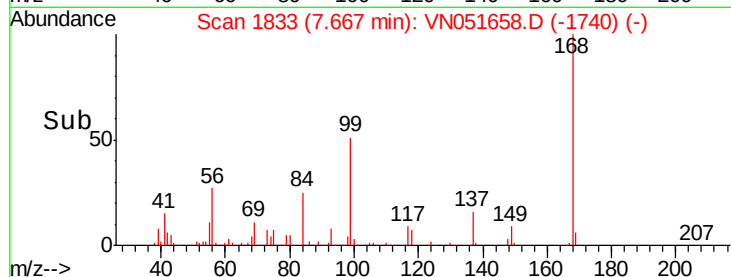
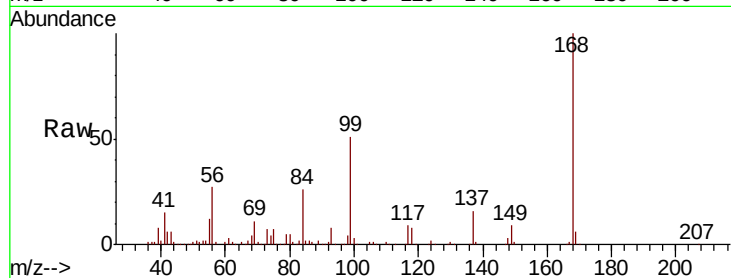
99 50.4 40.4 60.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.419 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051658.D

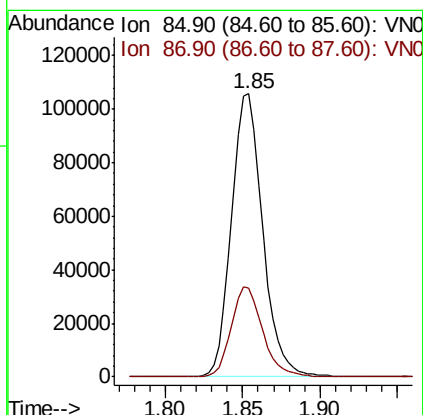
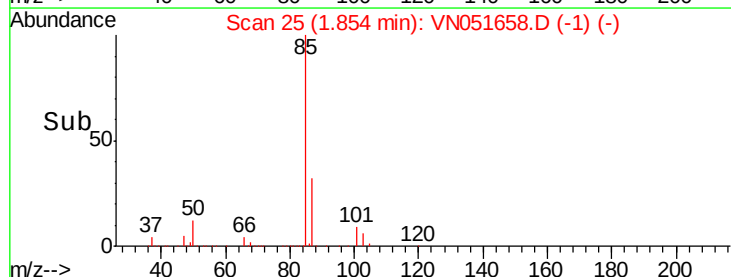
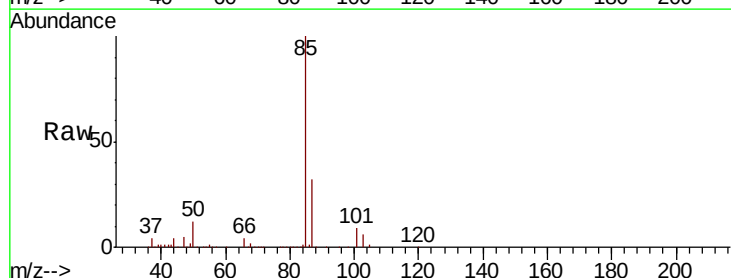
Acq: 4 Oct 2018 11:16

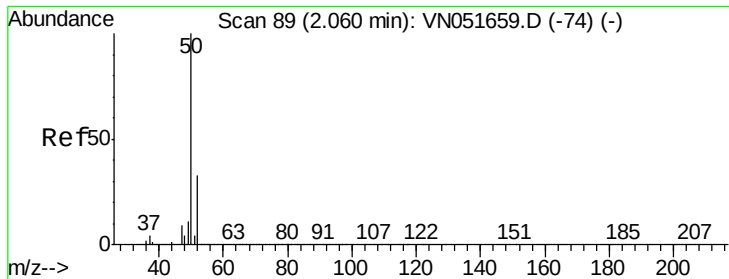
Tgt Ion: 85 Resp: 147917

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.4





#3

Chloromethane

Concen: 22.568 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 143192

Ion Ratio Lower Upper

50 100

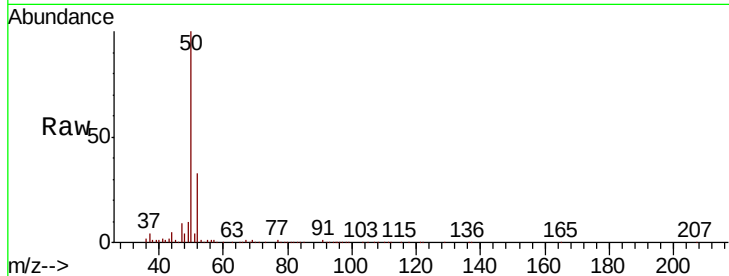
52 33.1 26.6 39.8

Manual Integrations

APPROVED

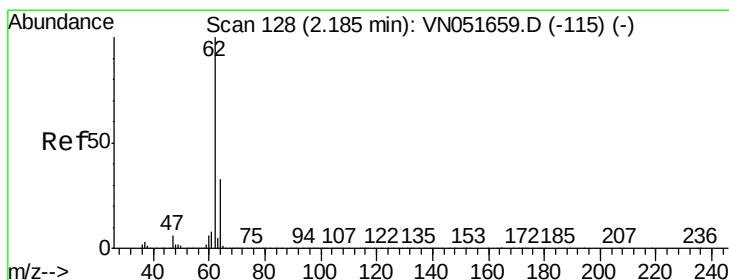
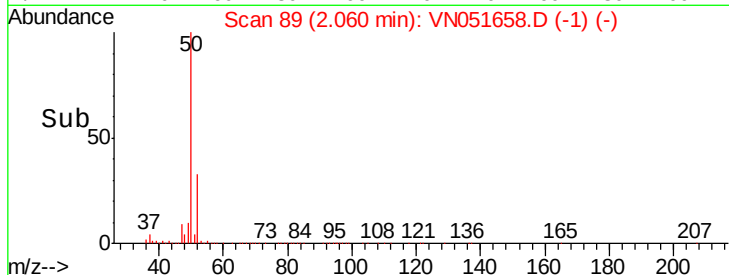
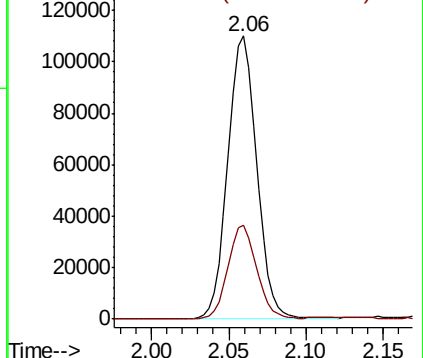
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 22.670 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051658.D

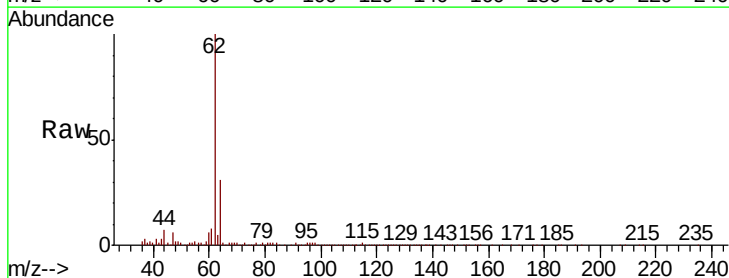
Acq: 4 Oct 2018 11:16

Tgt Ion: 62 Resp: 226579

Ion Ratio Lower Upper

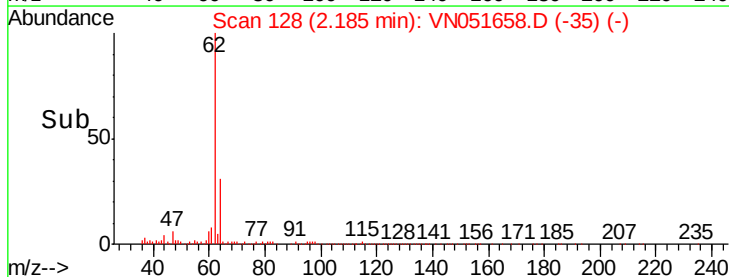
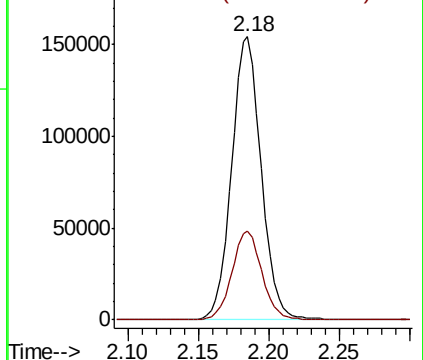
62 100

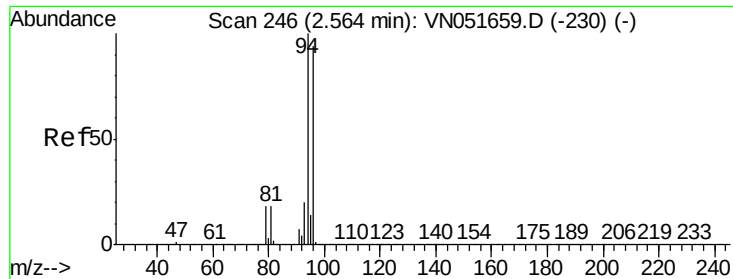
64 31.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 18.969 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 145799

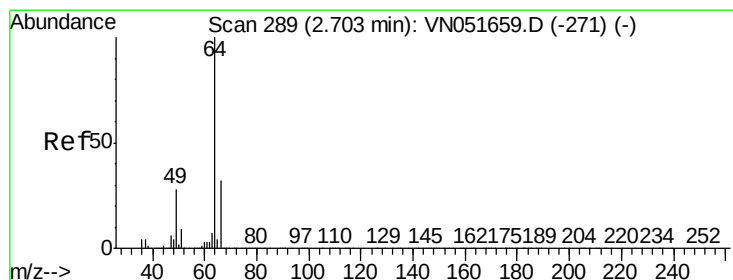
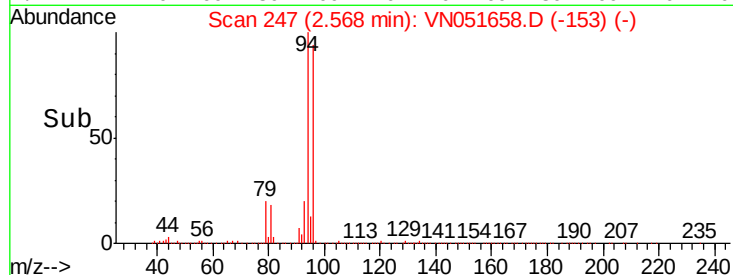
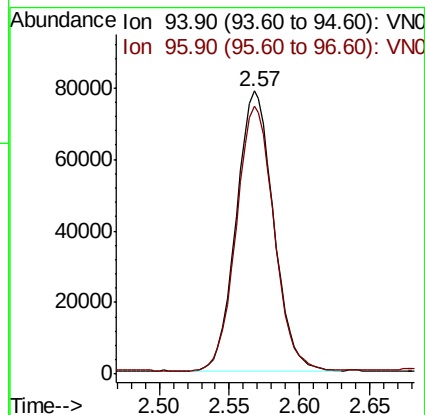
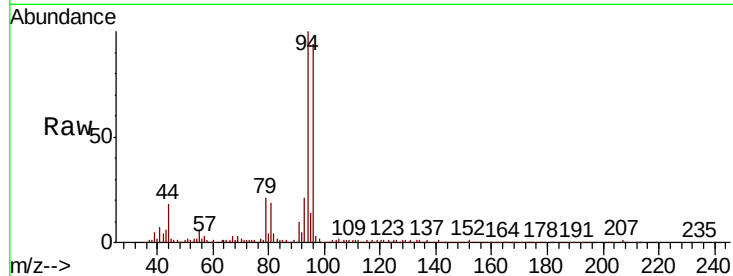
Ion Ratio Lower Upper

94 100

96 94.1 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 22.260 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051658.D

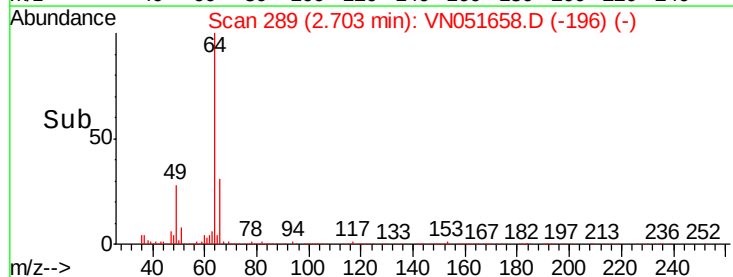
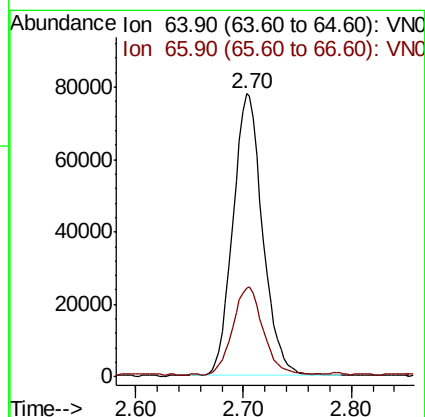
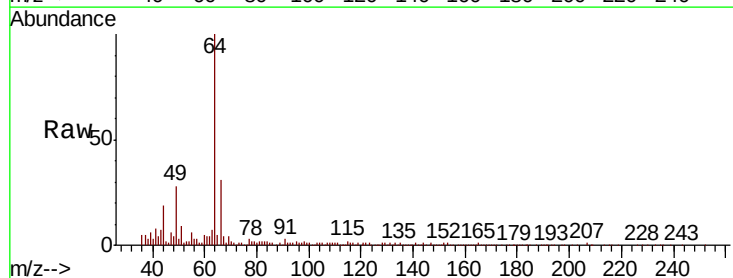
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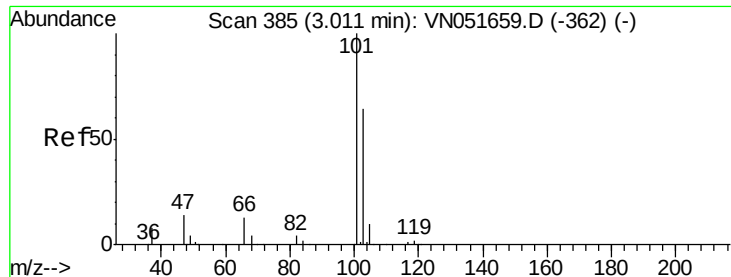
Tgt Ion: 64 Resp: 149532

Ion Ratio Lower Upper

64 100

66 30.5 26.0 39.0





#7

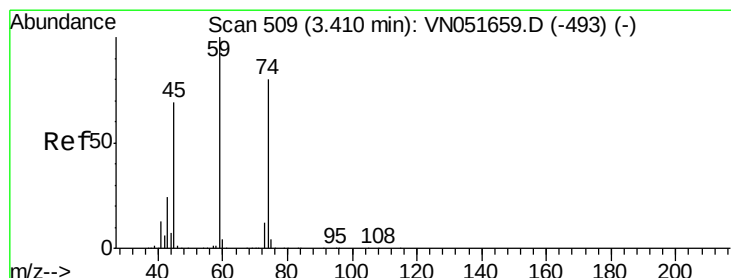
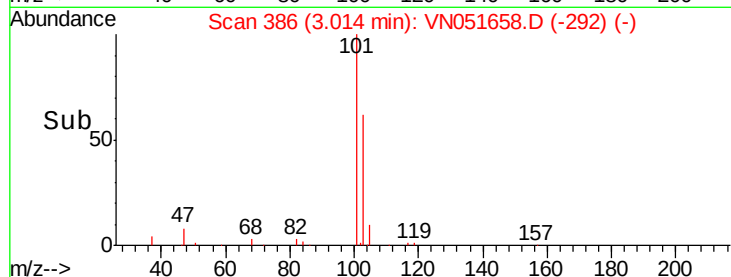
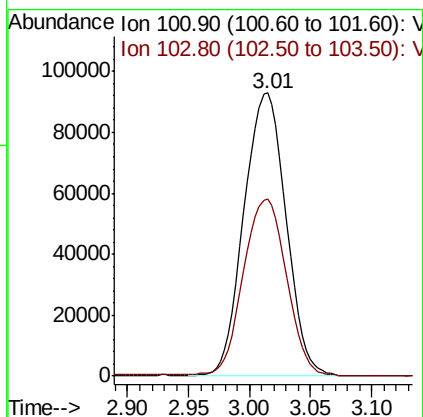
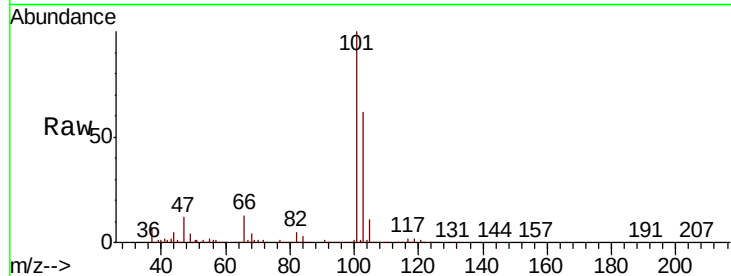
Trichlorofluoromethane
 Concen: 19.418 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051658.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.1	76.7

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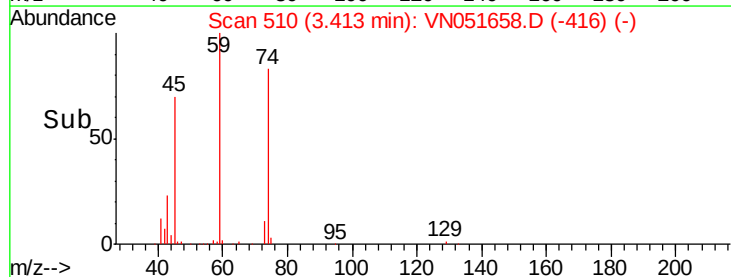
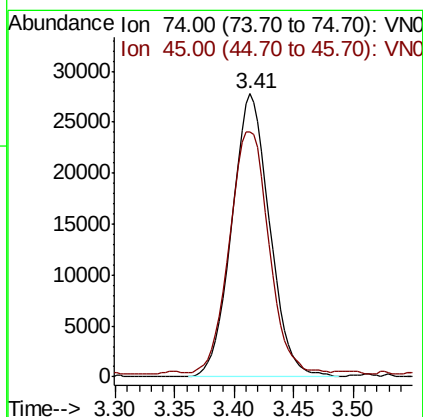
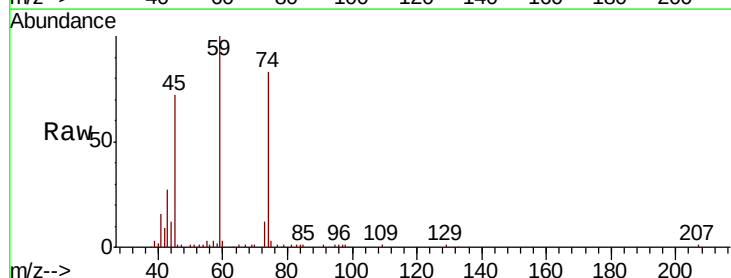
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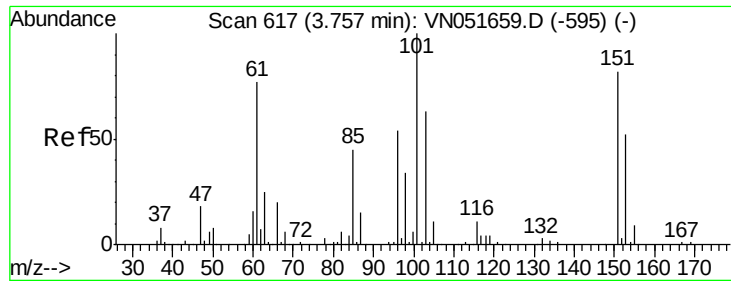


#8

Diethyl Ether
 Concen: 20.999 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051658.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	44.3	132.9





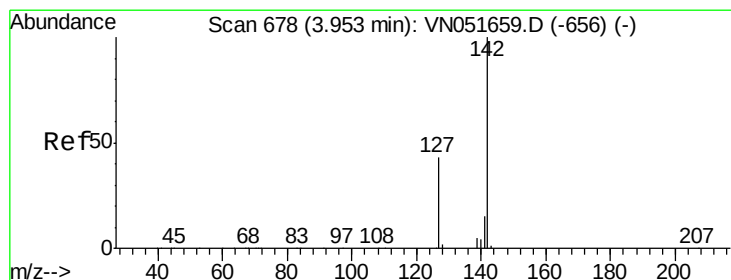
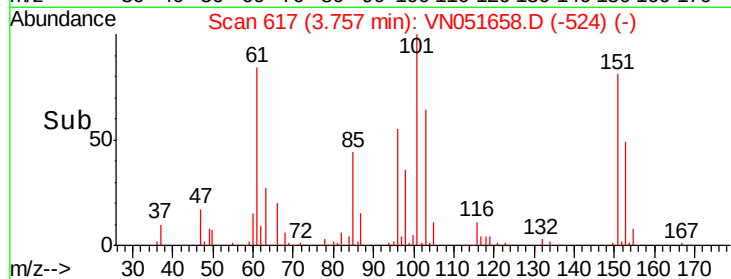
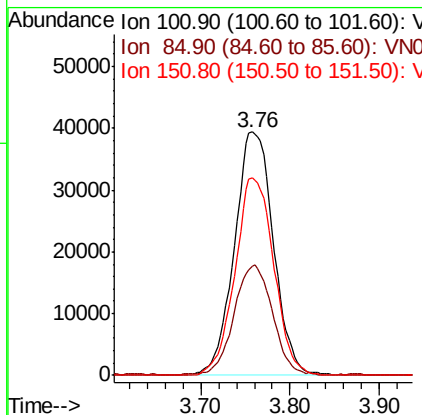
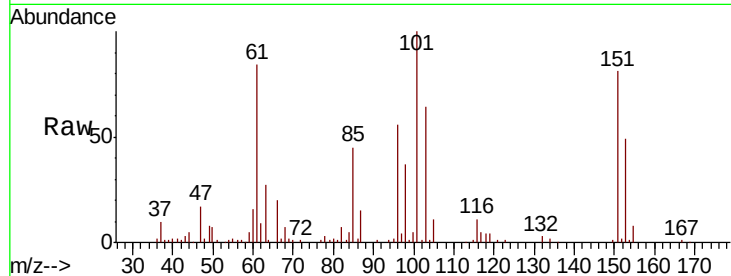
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.528 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	119591		
85	44.7	35.6	53.4	
151	80.8	65.5	98.3	

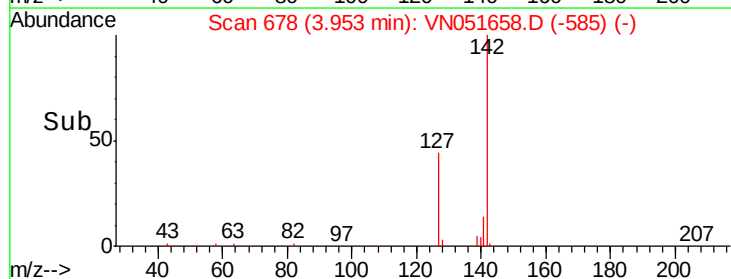
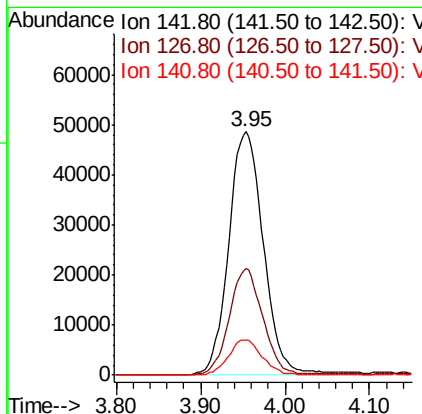
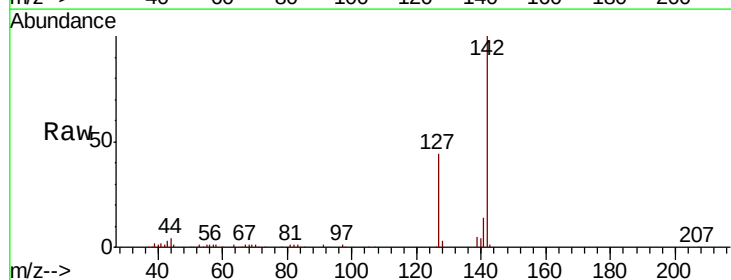
Manual Integrations
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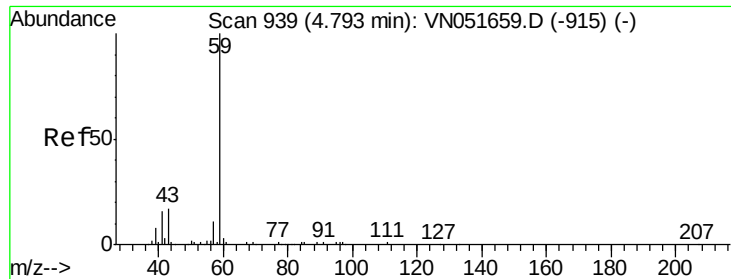
MMDadoda
 10/8/2018 1:53:08 PM



#10
 Methyl Iodide
 Concen: 20.561 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	139235		
127	42.3	34.7	52.1	
141	14.1	11.4	17.2	





#11

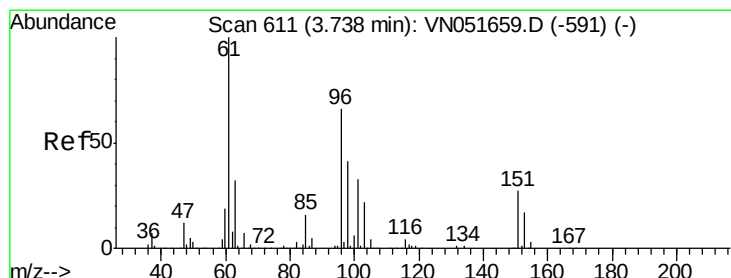
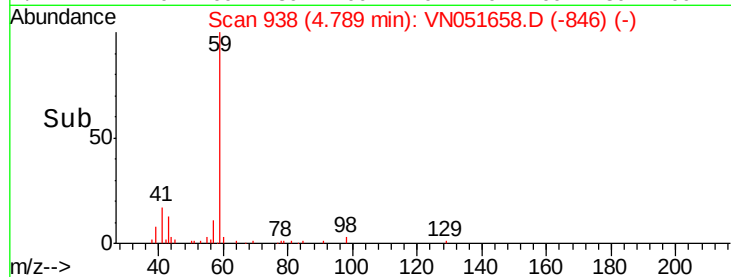
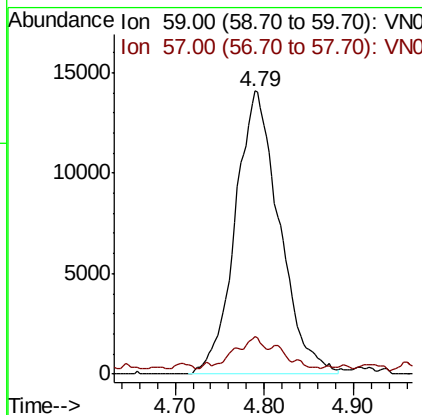
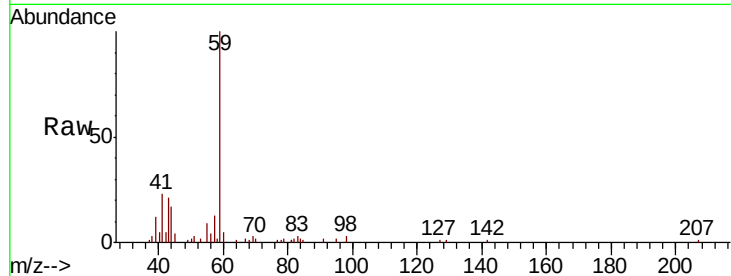
Tert butyl alcohol
 Concen: 104.911 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

Manual Integrations
 APPROVED

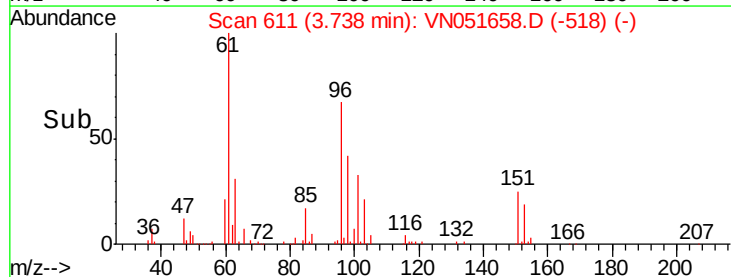
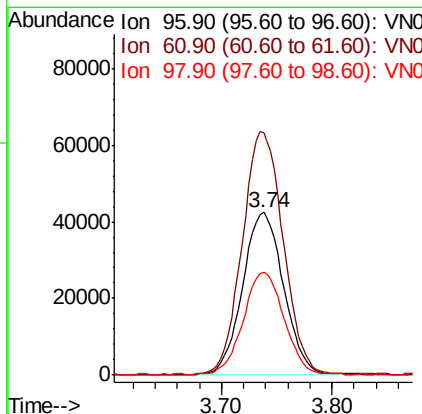
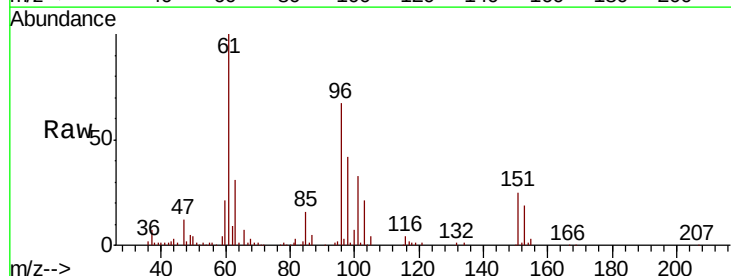
MMDadoda
 10/8/2018 1:53:08 PM

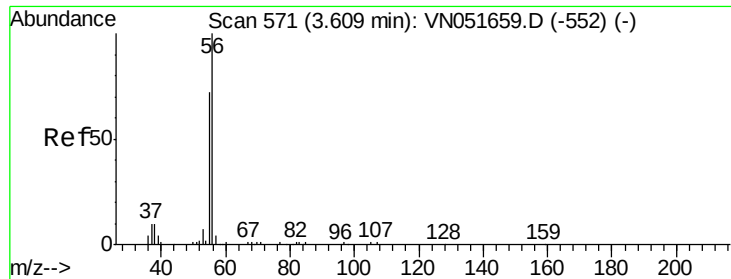


#12

1,1-Dichloroethene
 Concen: 21.157 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	121.4	182.0
98	62.7	49.9	74.9





#13

Acrolein

Concen: 104.487 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 32584

Ion Ratio Lower Upper

56 100

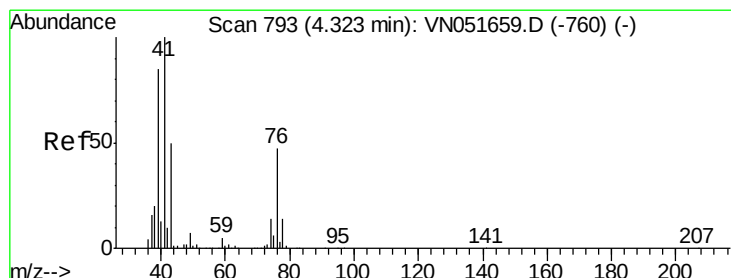
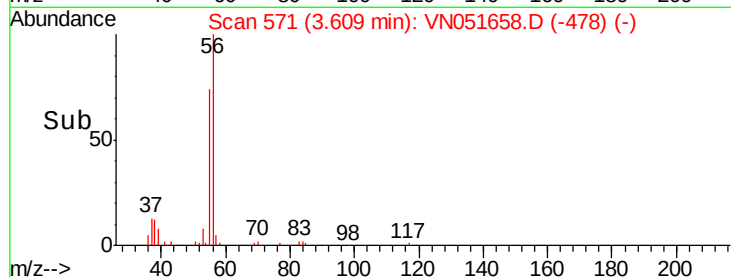
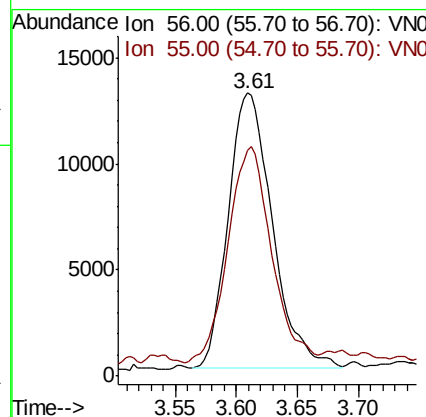
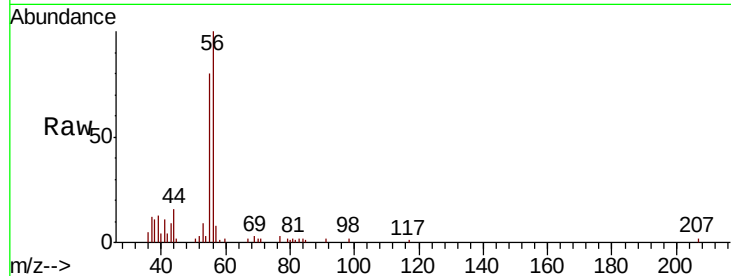
55 77.0 57.5 86.3

Manual Integrations

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MMDadoda

10/8/2018 1:53:08 PM



#14

Allyl chloride

Concen: 21.036 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

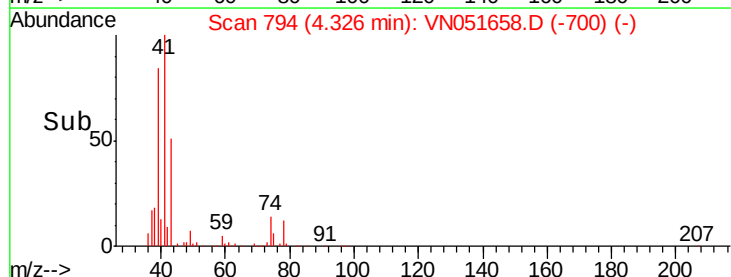
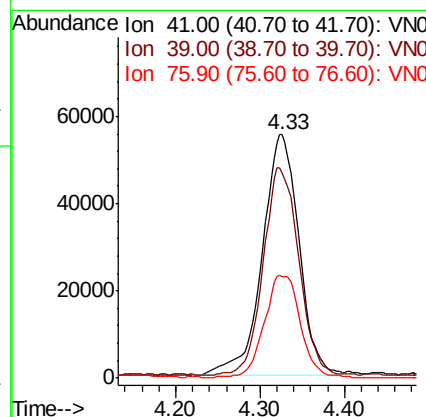
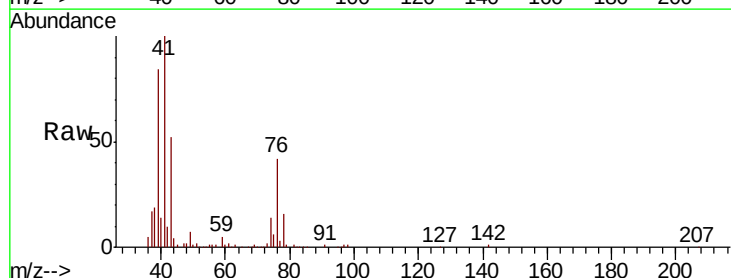
Tgt Ion: 41 Resp: 166119

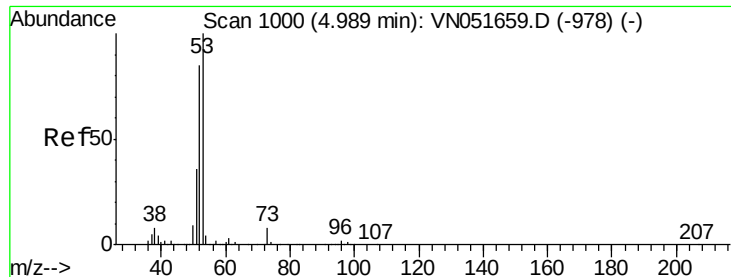
Ion Ratio Lower Upper

41 100

39 83.5 65.4 98.0

76 42.4 34.3 51.5





#15

Acrylonitrile

Concen: 100.612 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

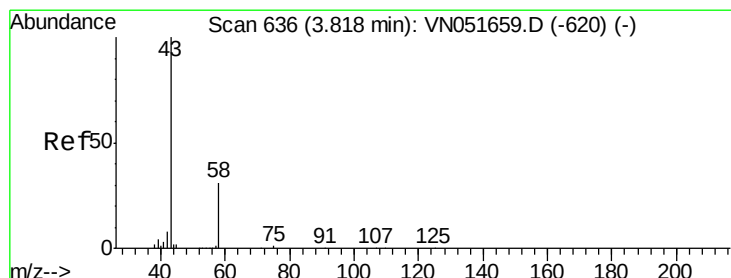
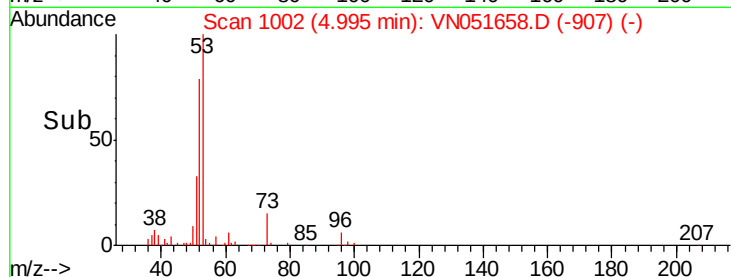
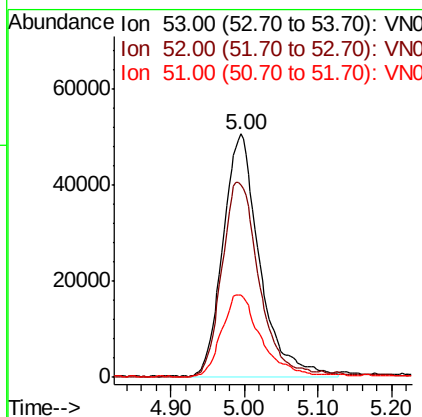
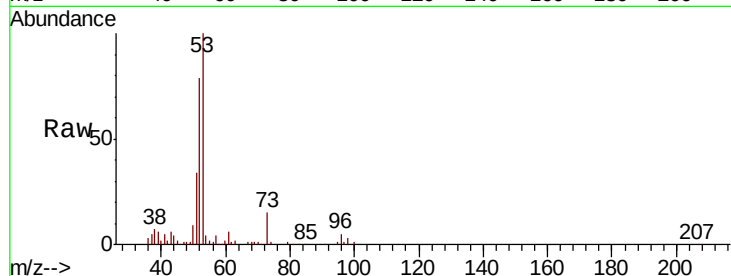
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	173303
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.1	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 103.183 ug/l

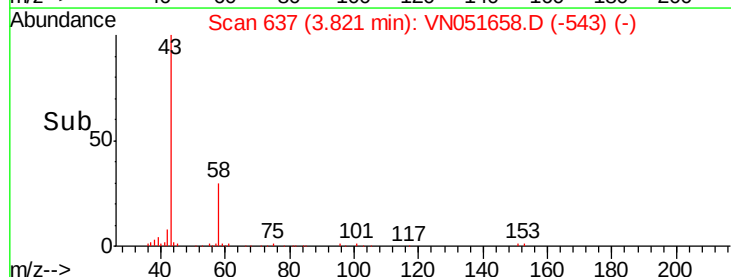
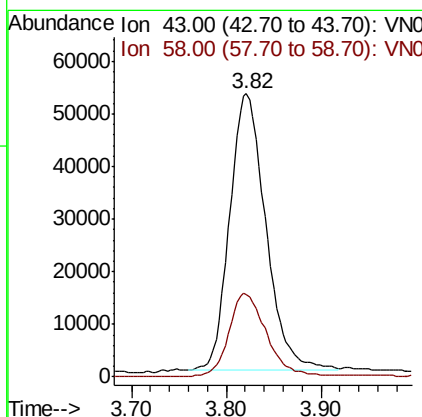
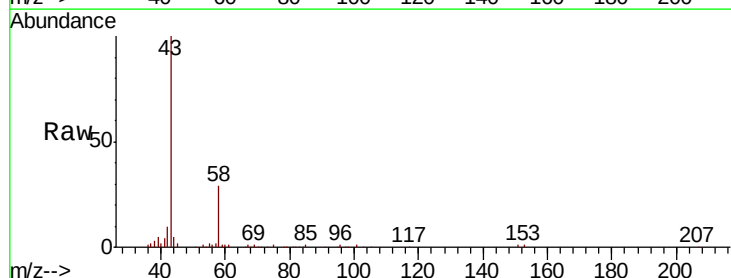
RT: 3.82 min Scan# 637

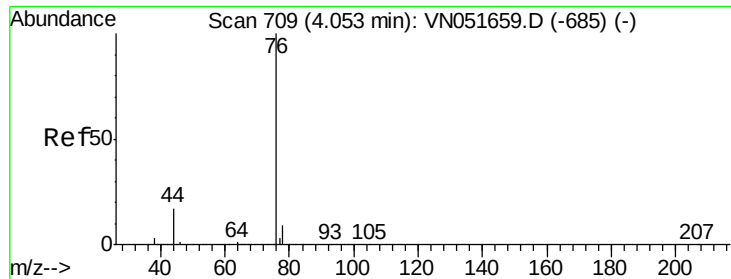
Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	43	Resp:	138700
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.3	36.5





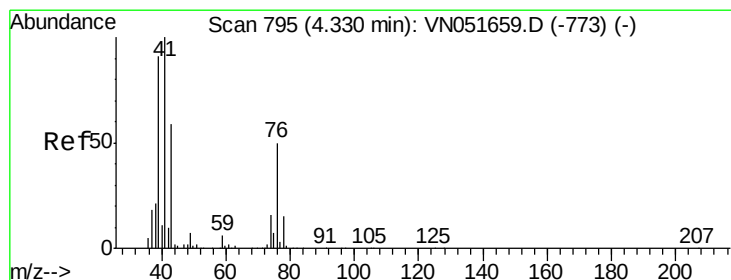
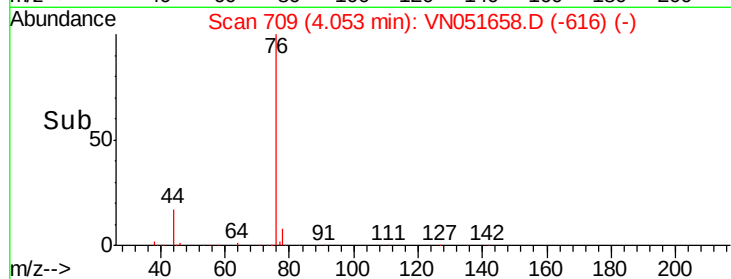
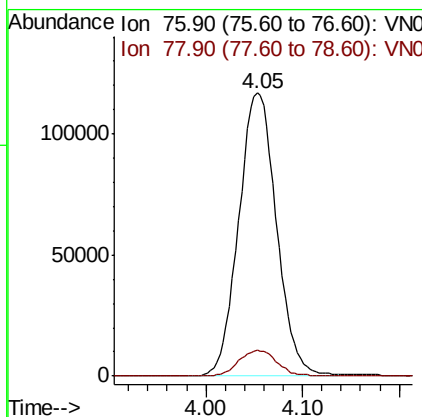
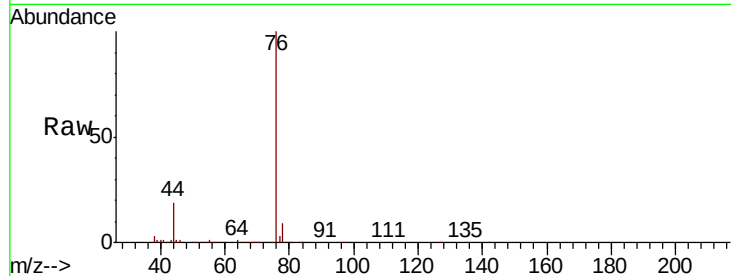
#17
Carbon Disulfide
Concen: 20.159 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

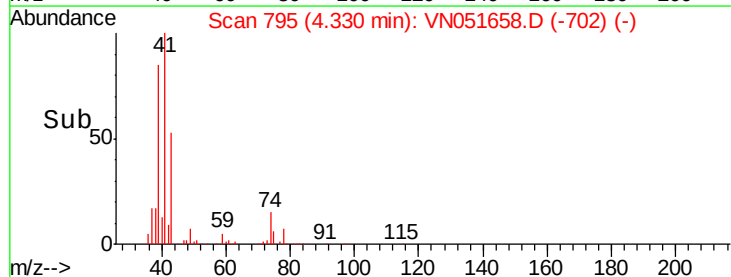
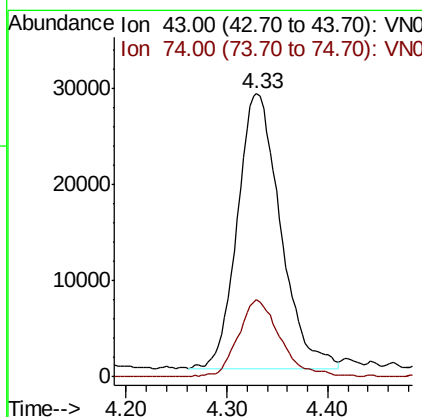
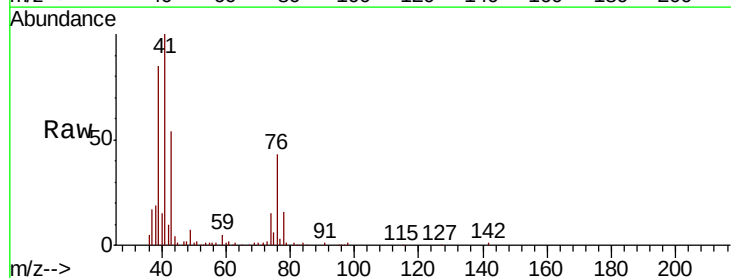
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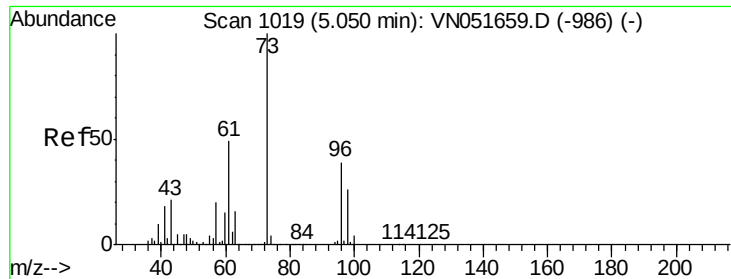
MMDadoda
10/8/2018 1:53:08 PM



#18
Methyl Acetate
Concen: 20.800 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.5	32.3





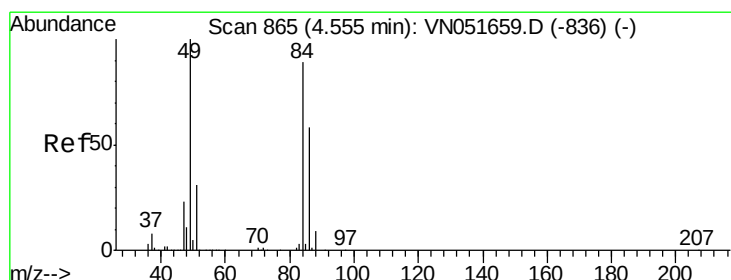
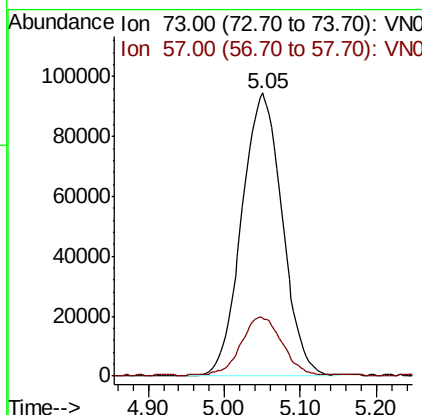
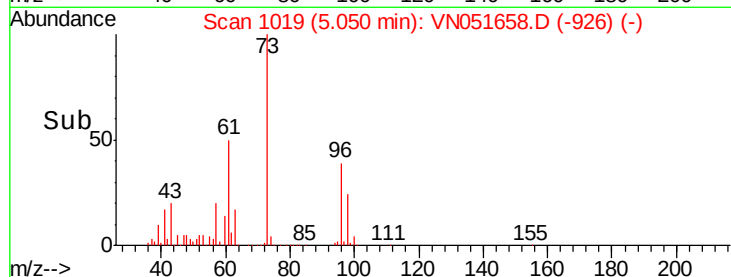
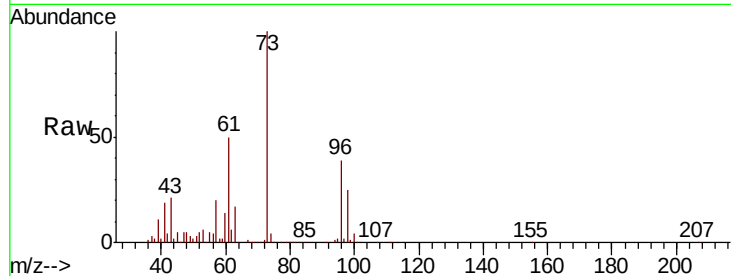
#19
Methyl tert-butyl Ether
Concen: 20.391 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 348492
Ion Ratio Lower Upper
73 100
57 19.9 15.6 23.4

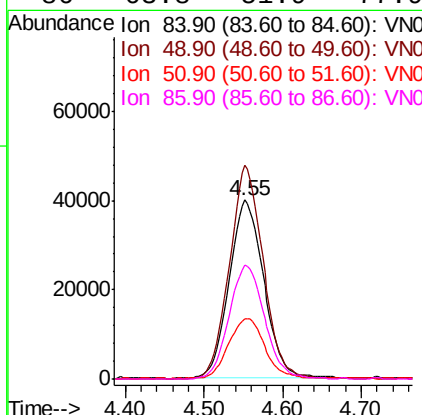
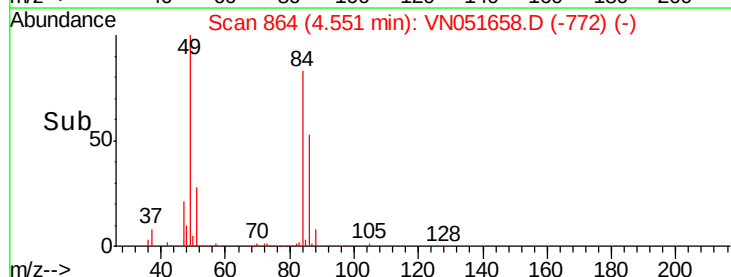
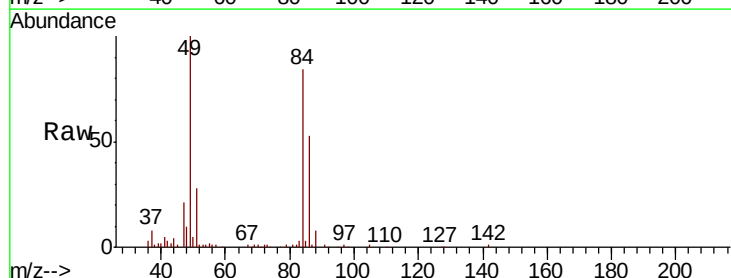
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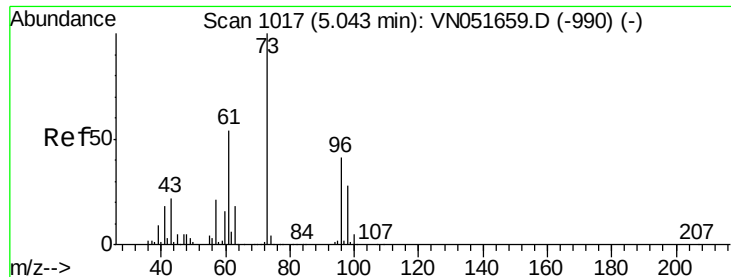
MMDadoda
10/8/2018 1:53:08 PM



#20
Methylene Chloride
Concen: 20.329 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion: 84 Resp: 122847
Ion Ratio Lower Upper
84 100
49 120.0 89.5 134.3
51 33.1 27.4 41.0
86 63.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.901 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

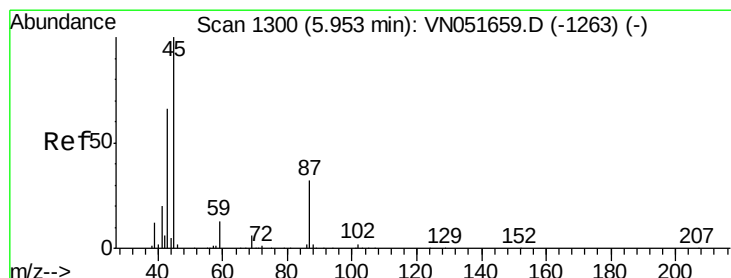
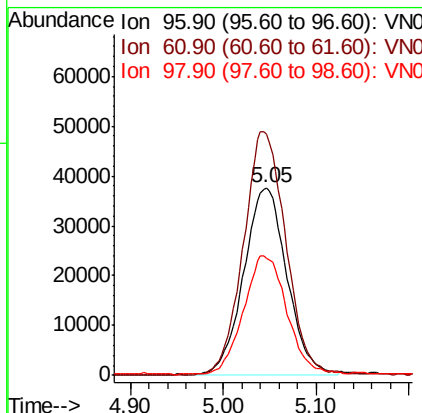
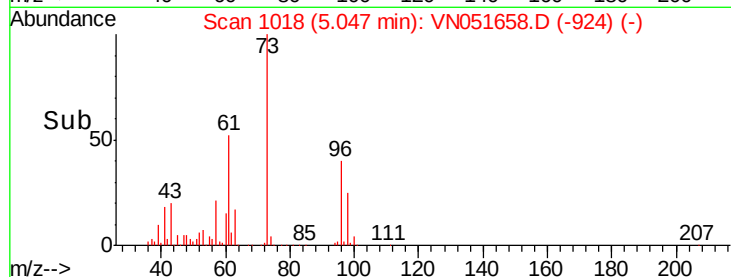
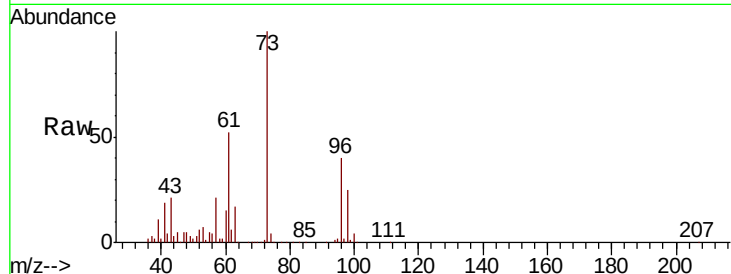
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	122104
Ion	Ratio	Lower	Upper
96	100		
61	128.4	104.7	157.1
98	61.8	54.6	82.0

Manual Integrations
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MMDadoda
10/8/2018 1:53:08 PM



#22

Diisopropyl ether

Concen: 20.814 ug/l

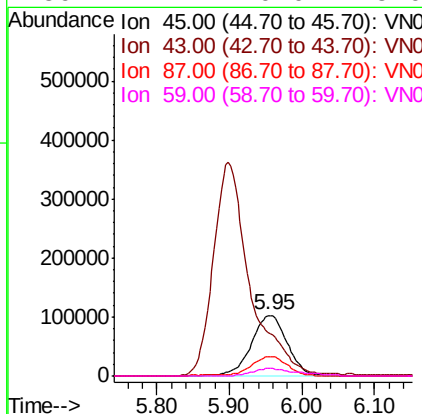
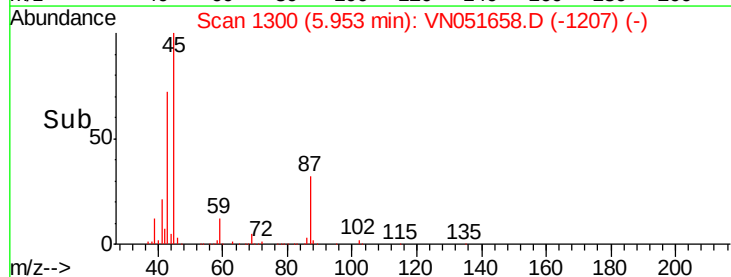
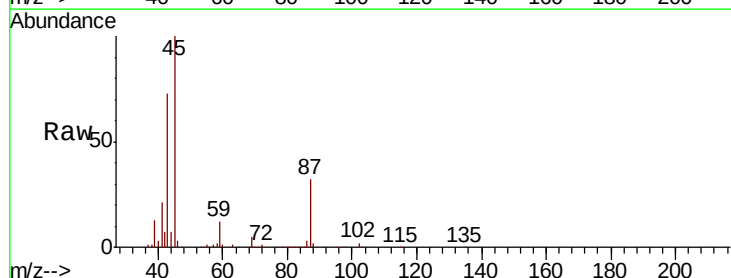
RT: 5.95 min Scan# 1300

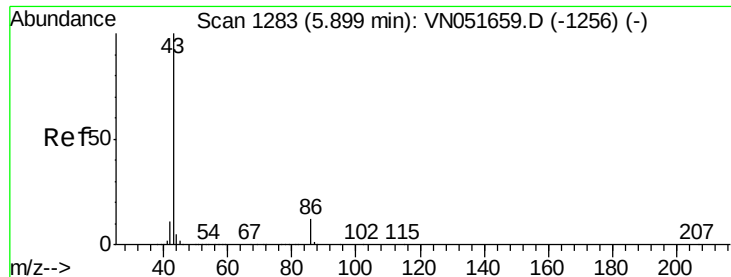
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	45	Resp:	352338
Ion	Ratio	Lower	Upper
45	100		
43	69.4	53.0	79.4
87	32.0	26.4	39.6
59	12.1	10.0	15.0





#23

Vinyl Acetate

Concen: 101.409 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1262219

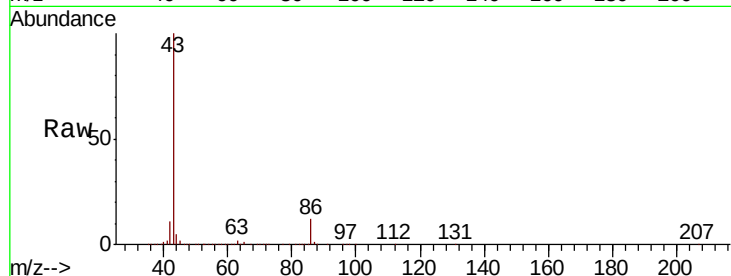
Ion Ratio Lower Upper

43 100

86 11.6 9.3 13.9

Manual Integrations
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MMDadoda
10/8/2018 1:53:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051659.D (-1256) (-)

5.90

400000

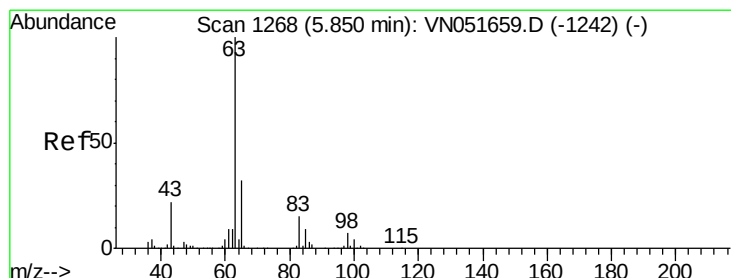
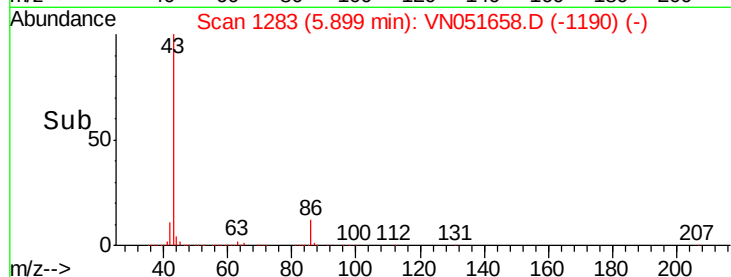
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.302 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

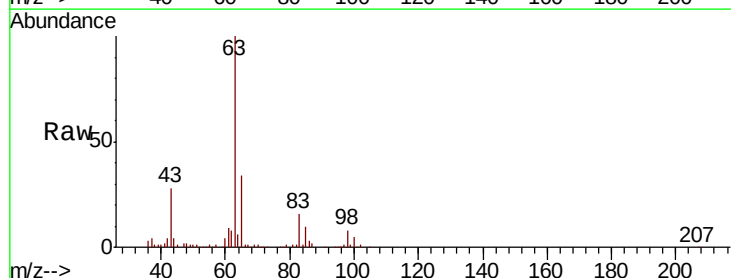
Tgt Ion: 63 Resp: 221029

Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.9

100 4.7 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051659.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051659.D (-1242) (-)

5.85

80000

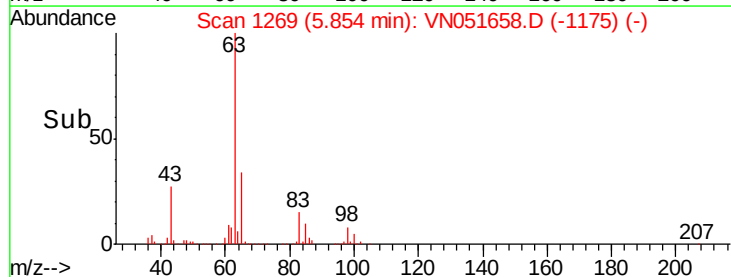
60000

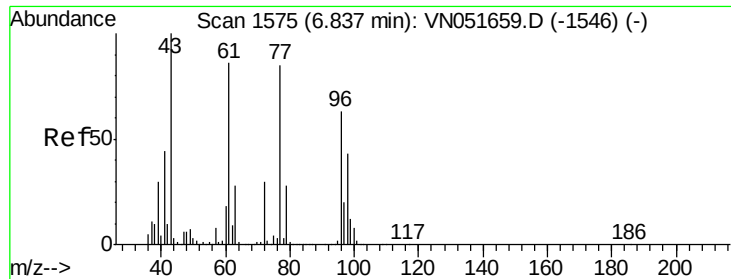
40000

20000

0

Time-->





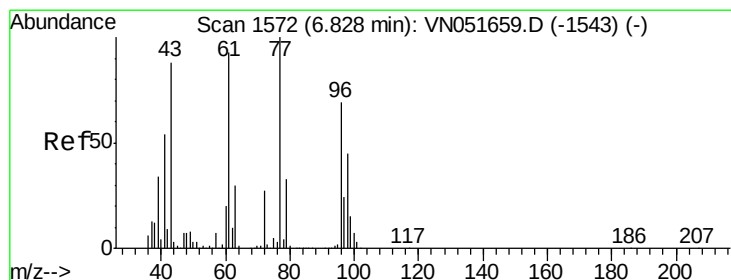
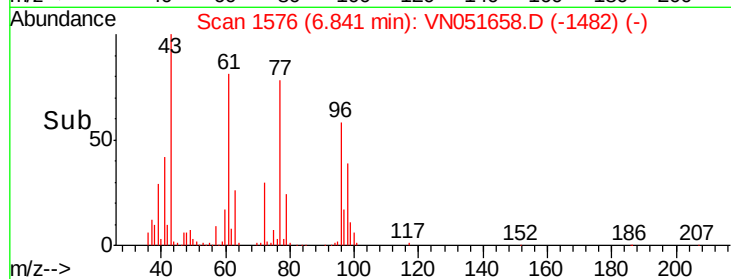
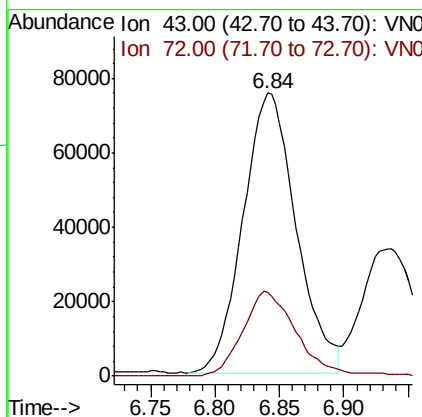
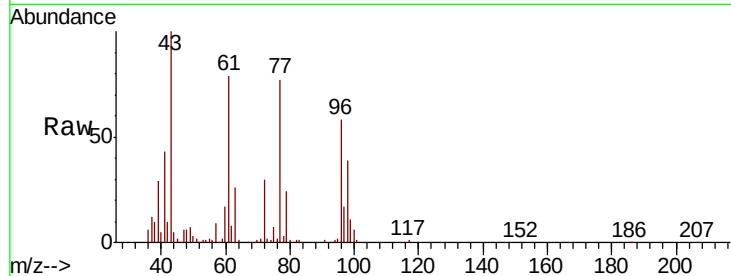
#25
2-Butanone
Concen: 101.393 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 215043
Ion Ratio Lower Upper
43 100
72 30.1 24.2 36.2

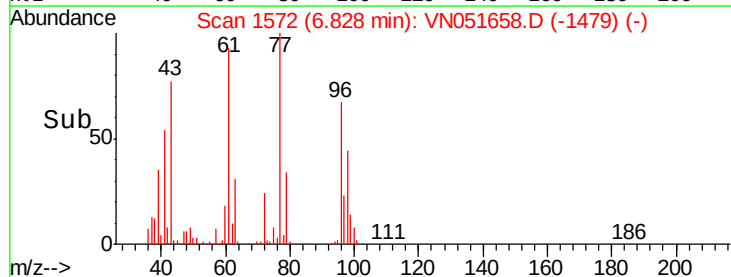
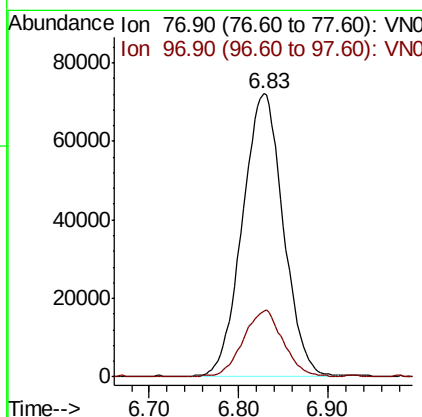
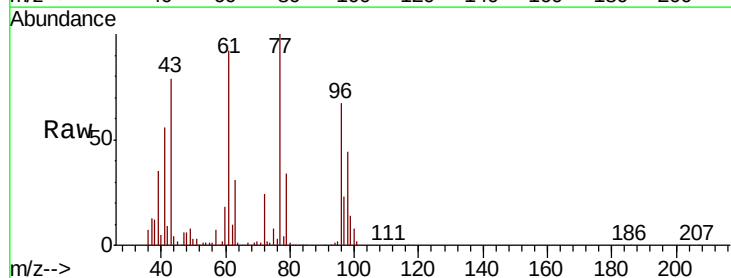
Manual Integrations
APPROVED

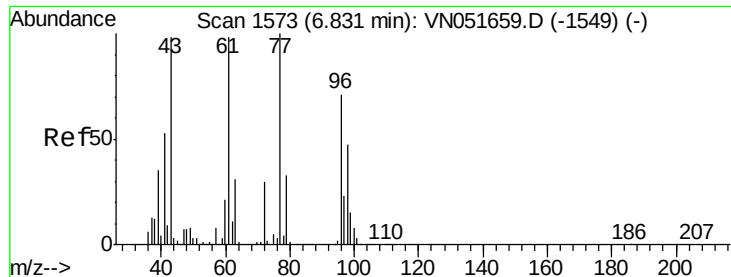
MMDadoda
10/8/2018 1:53:08 PM



#26
2,2-Dichloropropane
Concen: 21.109 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion: 77 Resp: 230299
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.254 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

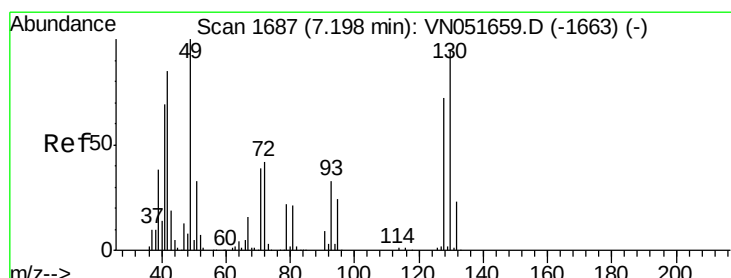
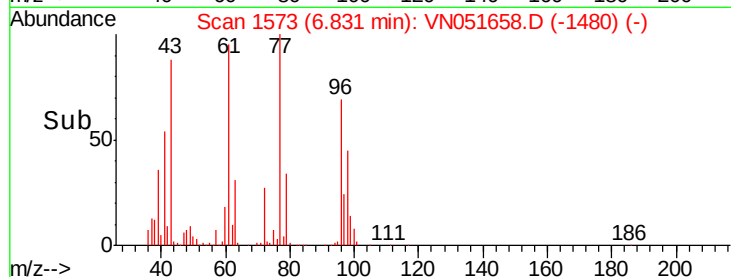
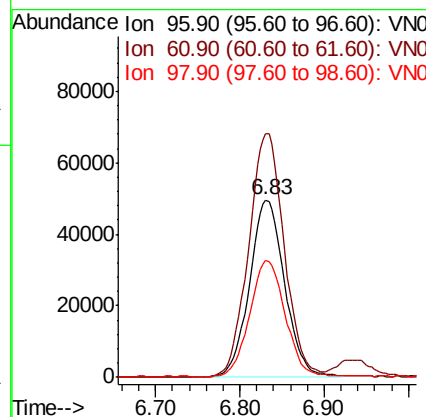
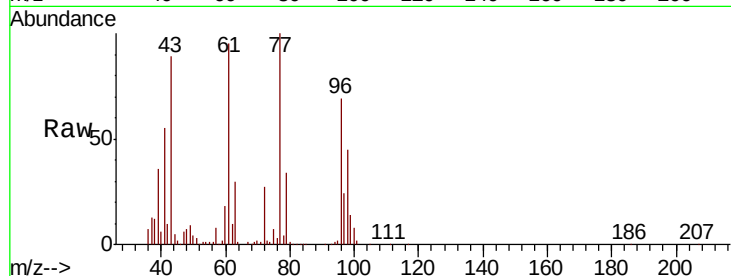
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	144257
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	275.4
98	65.8	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:08 PM



#28

Bromochloromethane

Concen: 20.104 ug/l

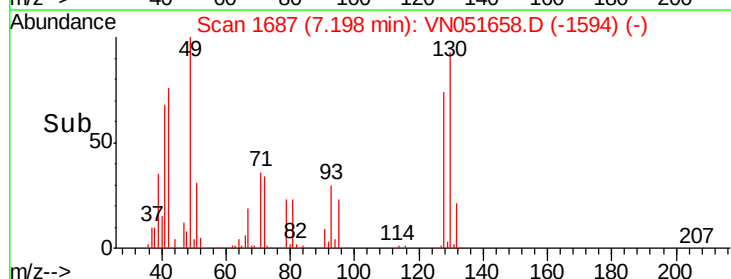
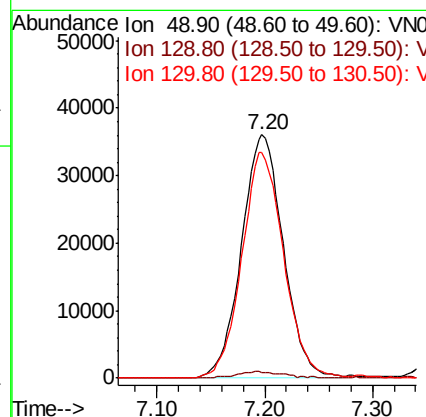
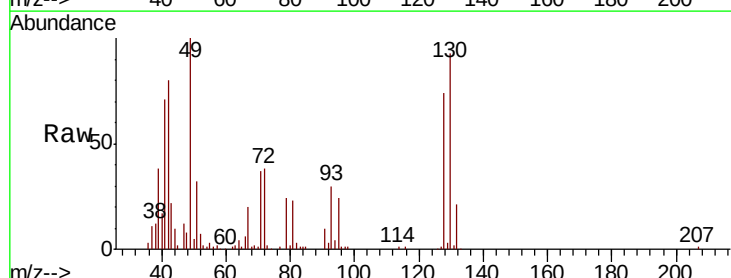
RT: 7.20 min Scan# 1687

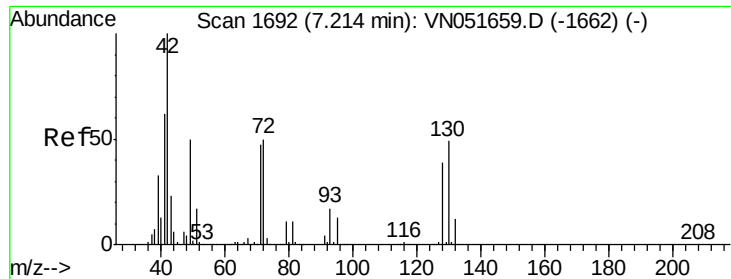
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	49	Resp:	96896
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	93.1	75.7	113.5





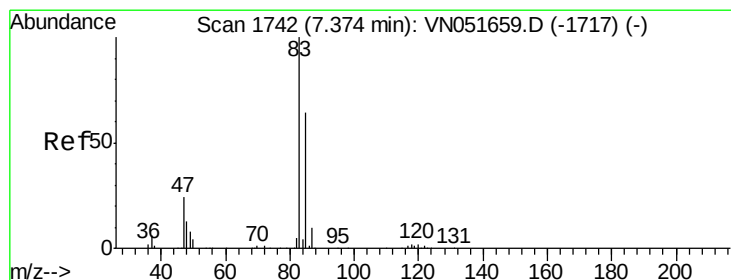
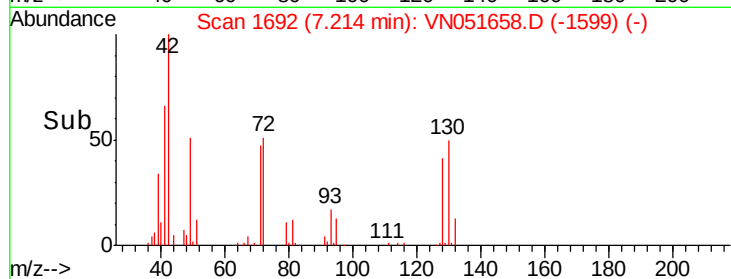
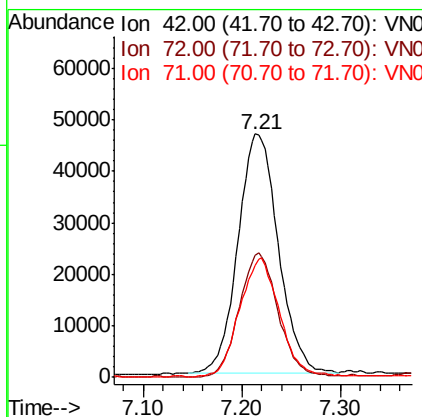
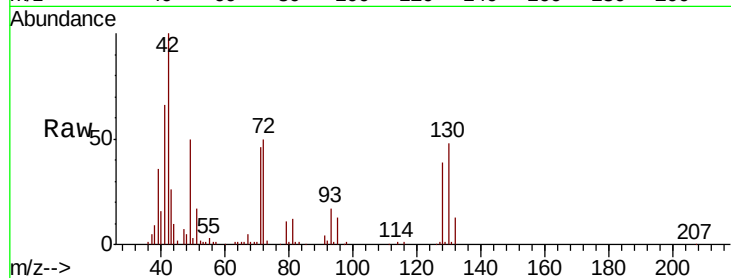
#29
Tetrahydrofuran
Concen: 101.416 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	40.1	60.1
71	49.8	38.0	57.0

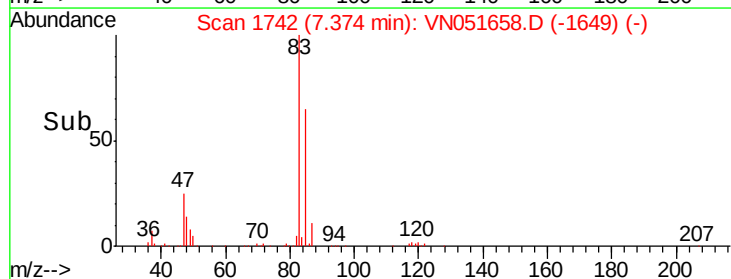
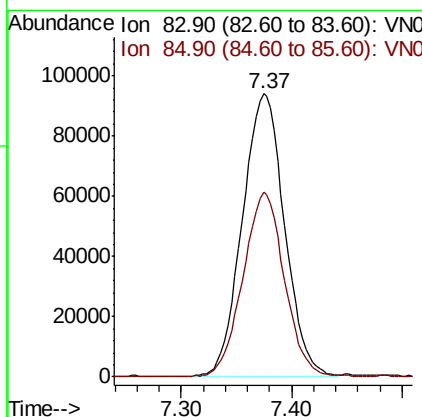
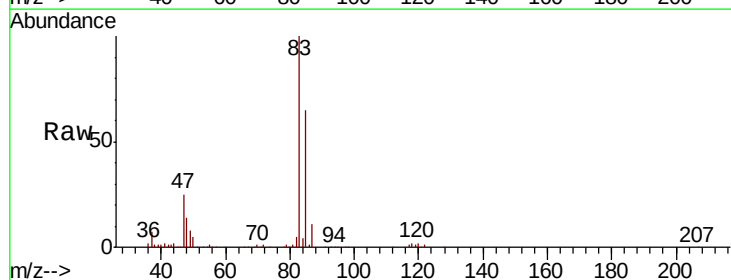
Manual Integrations
APPROVED

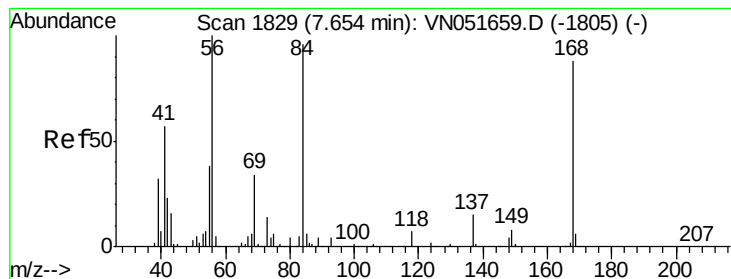
MMDadoda
10/8/2018 1:53:08 PM



#30
Chloroform
Concen: 20.401 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





#31

Cyclohexane

Concen: 20.425 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

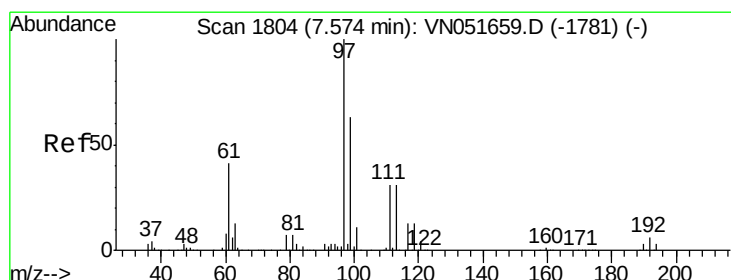
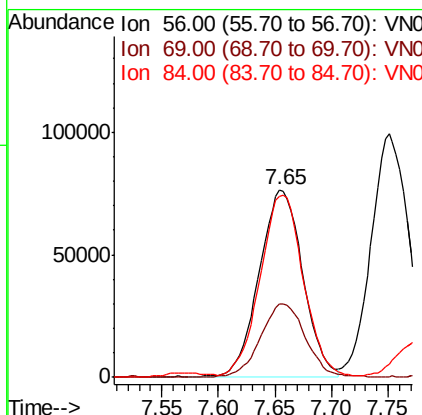
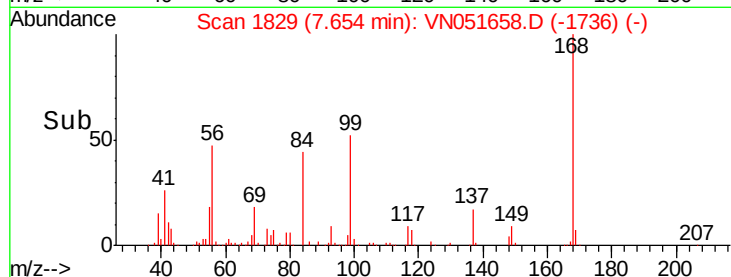
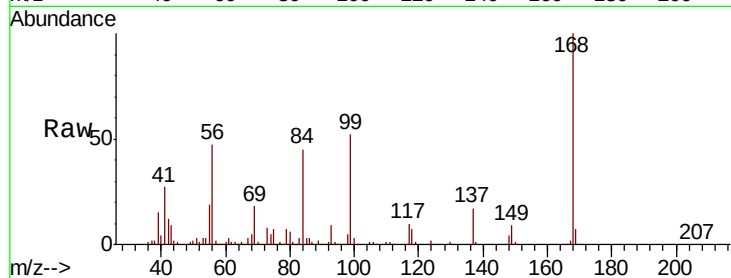
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	203649
Ion Ratio	Lower	Upper	
56	100		
69	38.4	27.5	41.3
84	94.0	76.7	115.1

Manual Integrations
APPROVED

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10/8/2018 1:53:08 PM



#32

1,1,1-Trichloroethane

Concen: 20.086 ug/l

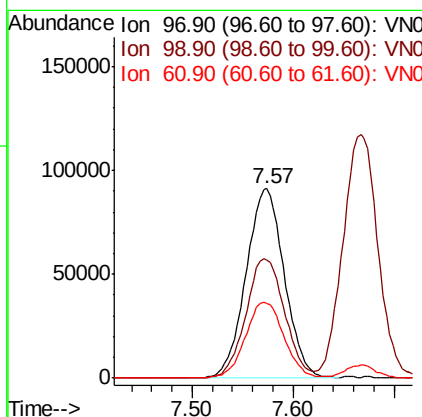
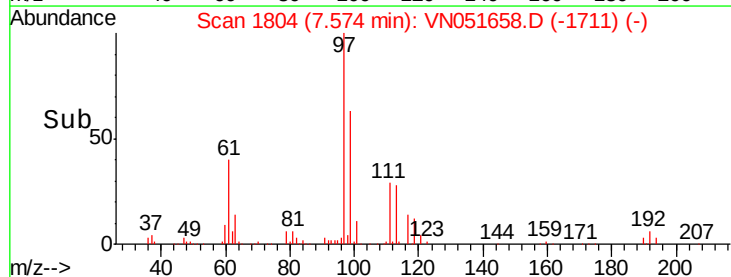
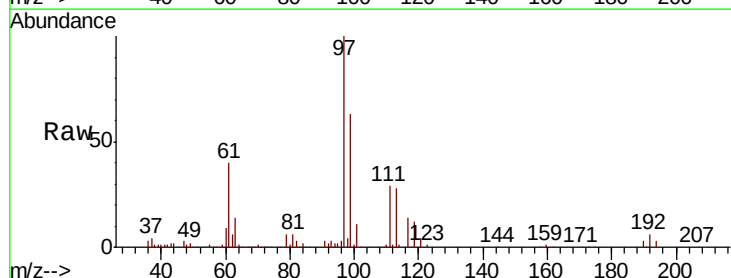
RT: 7.57 min Scan# 1804

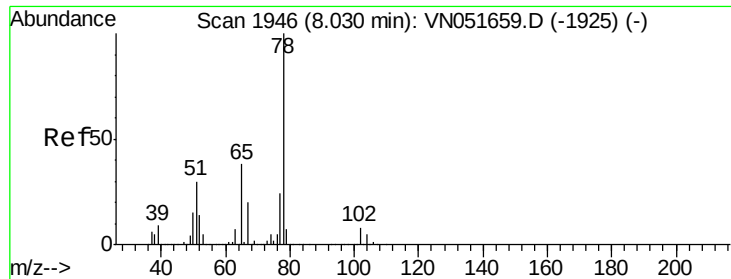
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	97	Resp:	238141
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.9	77.9
61	40.9	33.4	50.0





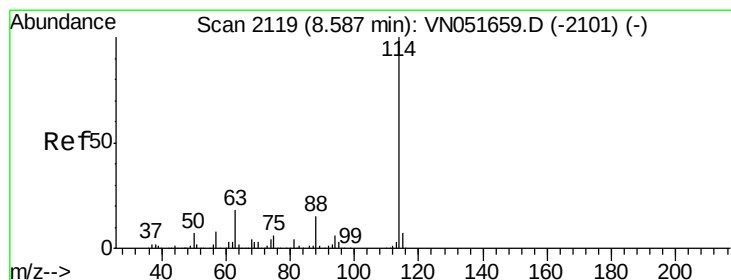
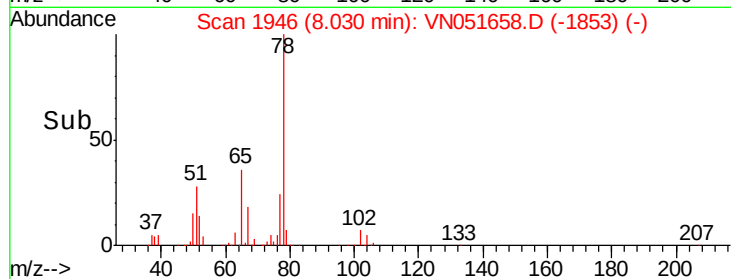
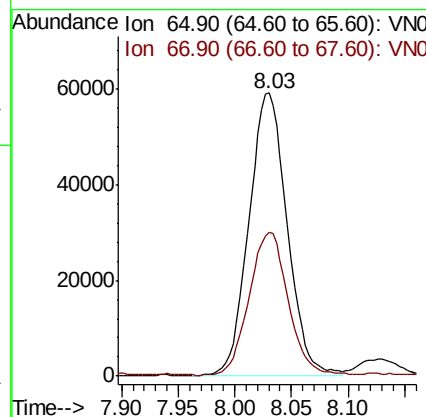
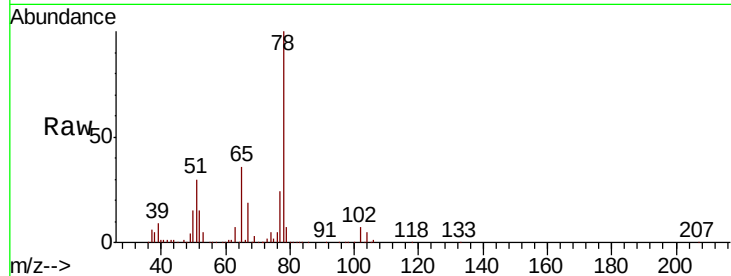
#33
 1,2-Dichloroethane-d4
 Concen: 20.086 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139388		
67	51.3	0.0	103.6	

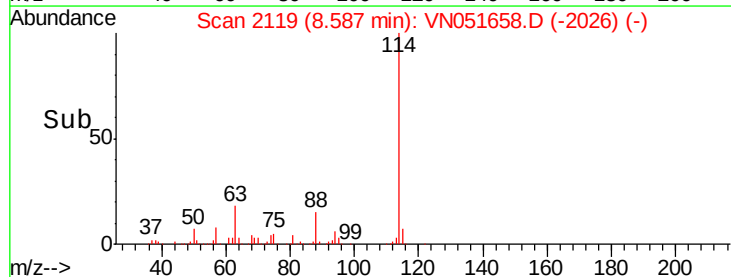
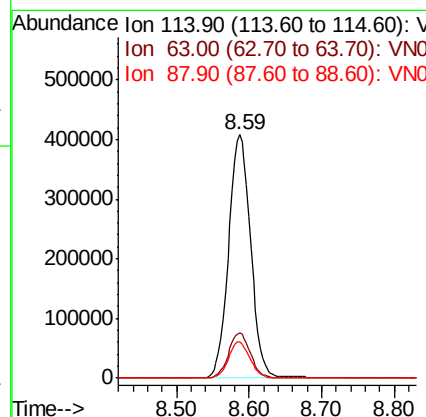
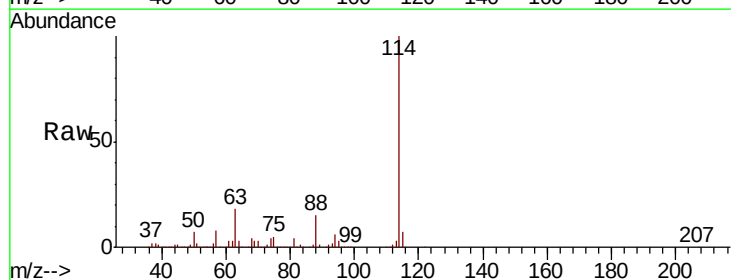
Manual Integrations
 APPROVED

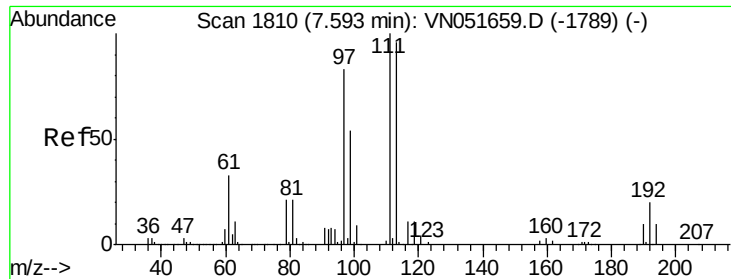
MMDadoda
 10/8/2018 1:53:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	859885		
63	18.4	0.0	36.2	
88	14.8	0.0	30.2	





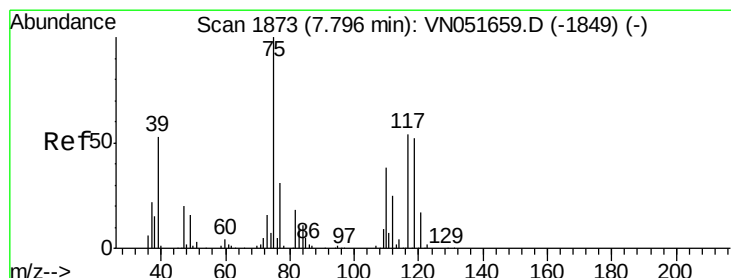
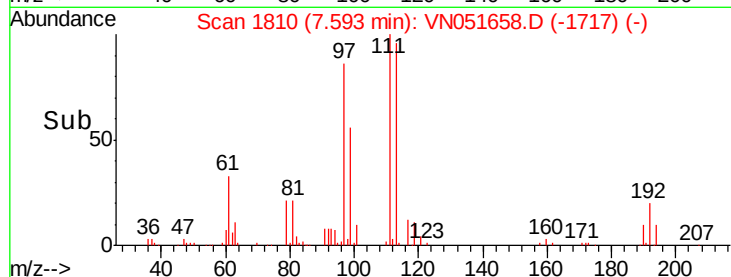
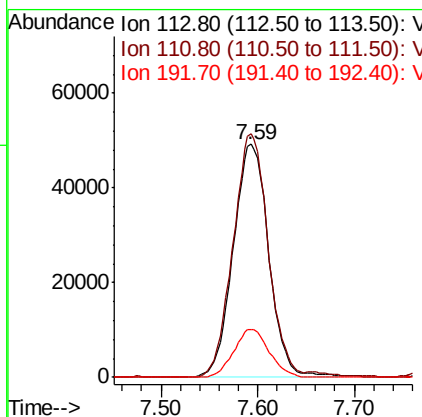
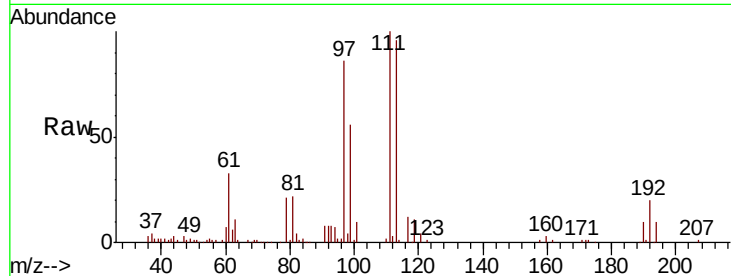
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125973		
111	102.8	81.8	122.8	
192	20.5	16.5	24.7	

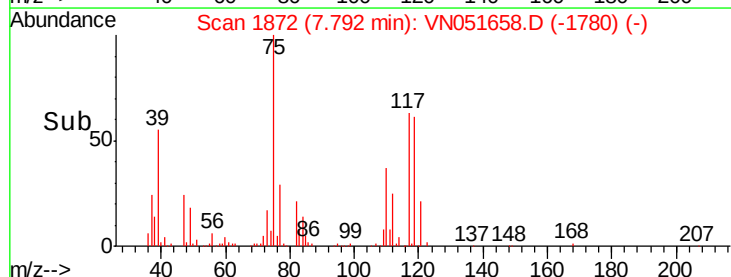
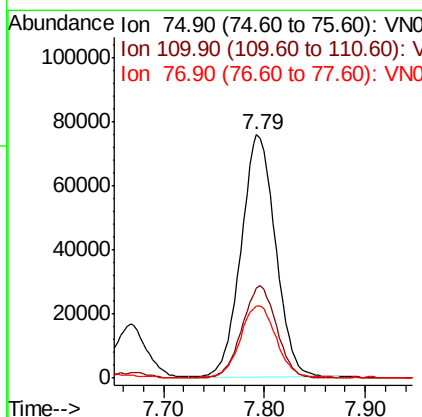
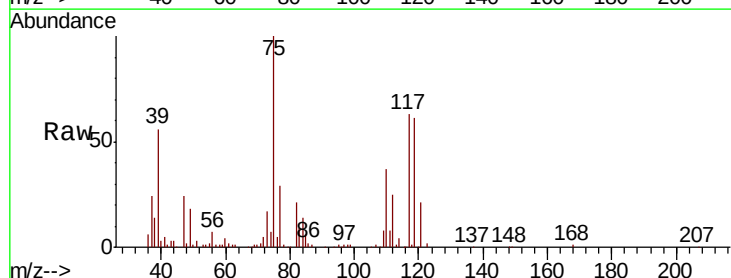
Manual Integrations
 APPROVED

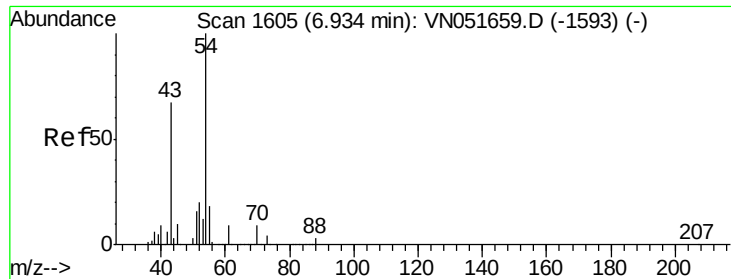
MMDadoda
 10/8/2018 1:53:08 PM



#36
 1,1-Dichloropropene
 Concen: 19.913 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178973		
110	38.1	19.3	57.8	
77	30.8	24.7	37.1	





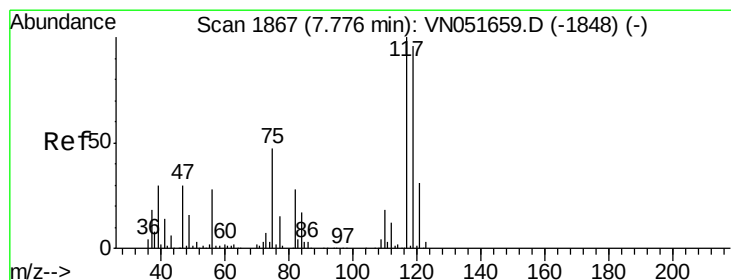
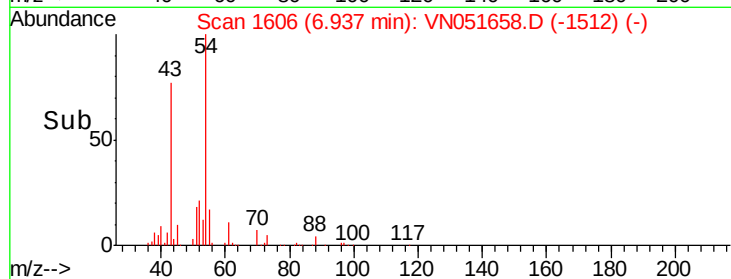
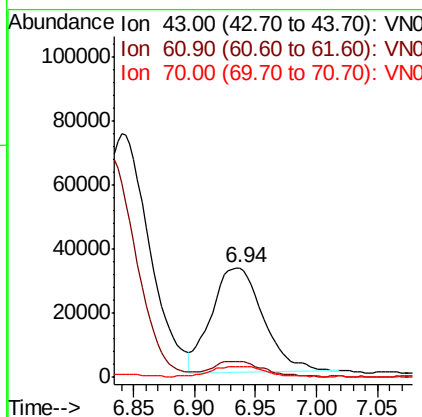
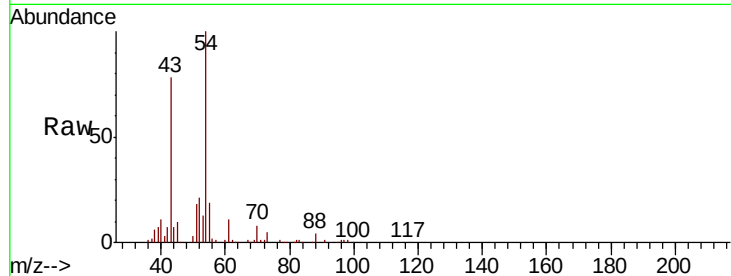
#37
Ethyl Acetate
Concen: 20.485 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Resp	96025		
Ratio	100	14.8	10.5
Lower		11.8	8.7
Upper		17.6	13.1

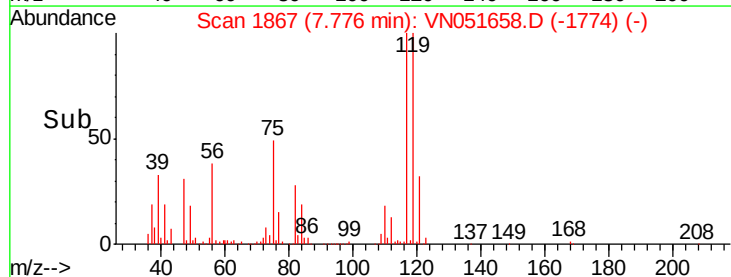
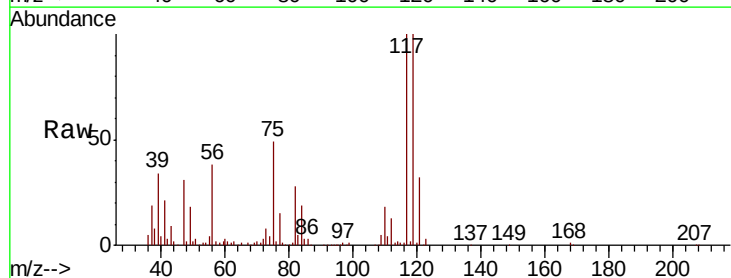
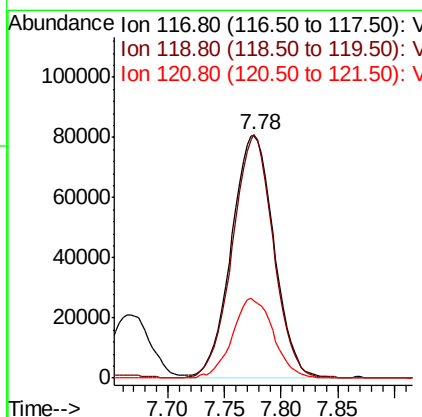
Manual Integrations
APPROVED

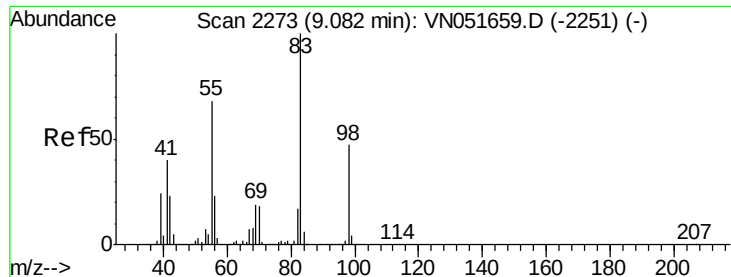
MMDadoda
10/8/2018 1:53:08 PM



#38
Carbon Tetrachloride
Concen: 19.453 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	117	119	121
Resp	209802		
Ratio	100	100.3	31.9
Lower		77.0	25.0
Upper		115.6	37.6





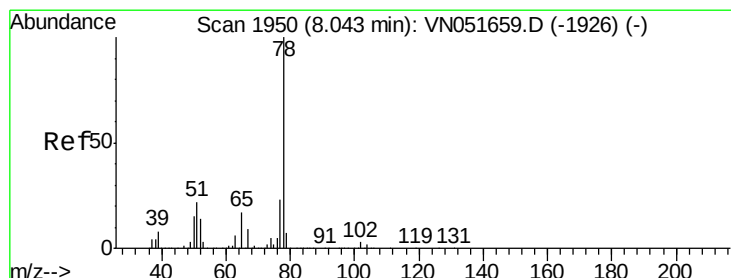
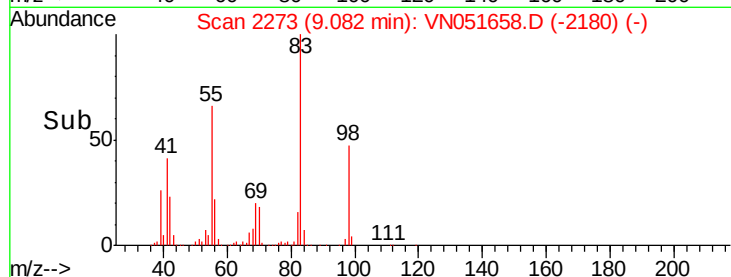
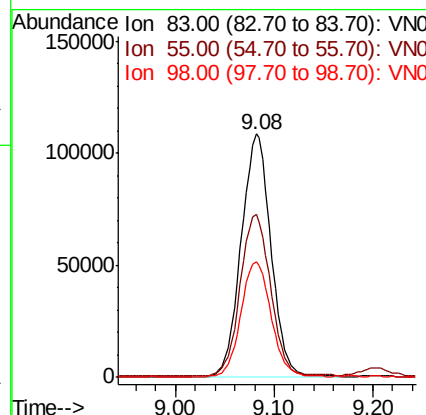
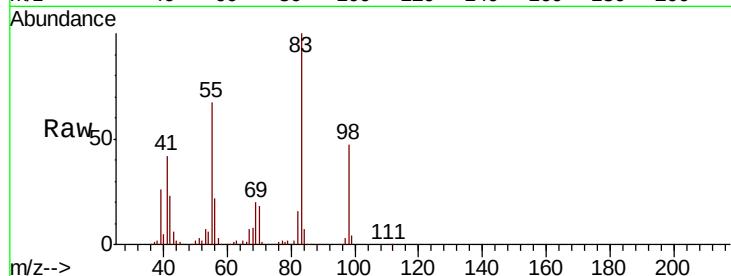
#39
Methylvlcyclohexane
Concen: 19.979 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225408		
55	66.2		54.3	81.5
98	47.3		37.4	56.2

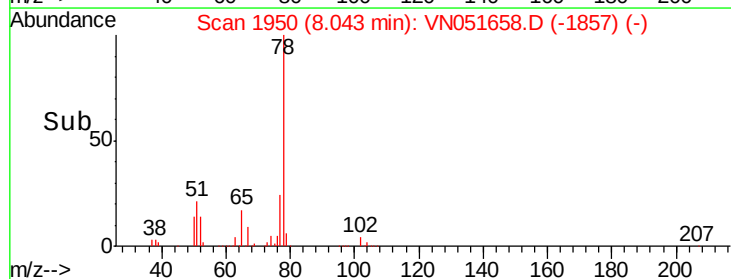
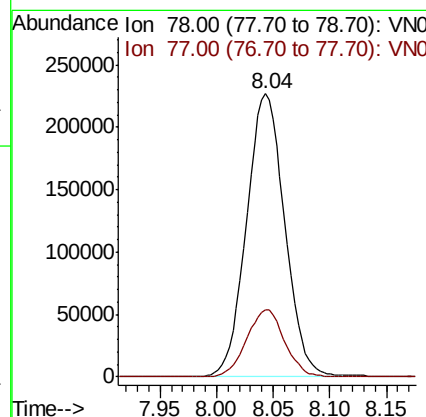
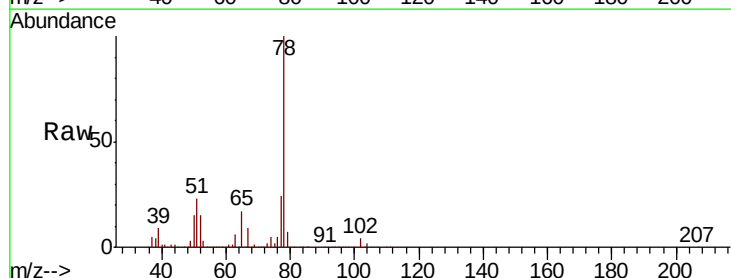
Manual Integrations
APPROVED

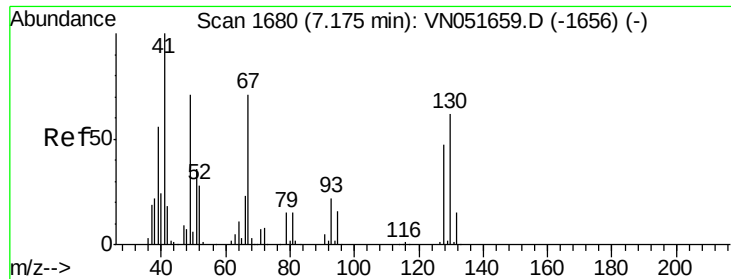
MMDadoda
10/8/2018 1:53:08 PM



#40
Benzene
Concen: 20.023 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	533496		
77	23.8		18.5	27.7





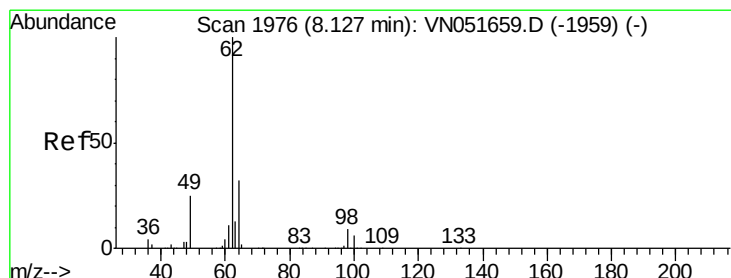
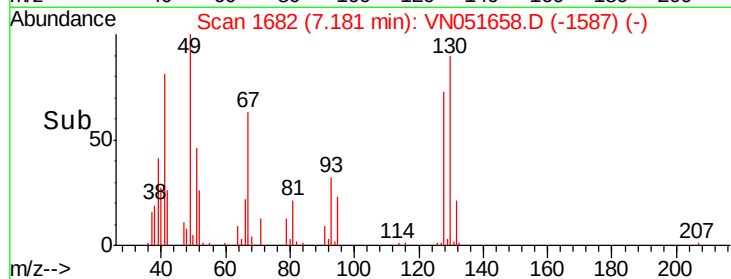
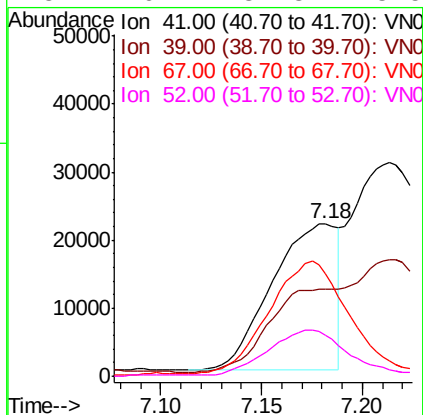
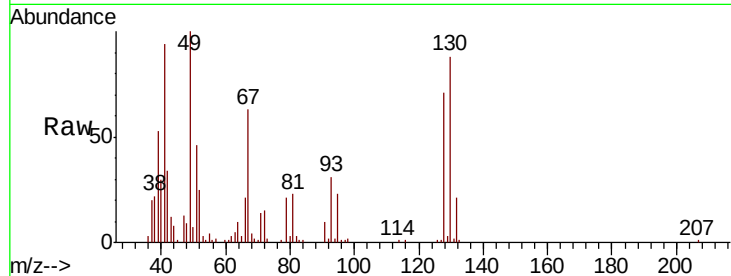
#41
Methacrylonitrile
Concen: 18.775 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	93.2	78.1	117.1
52	40.2	32.3	48.5

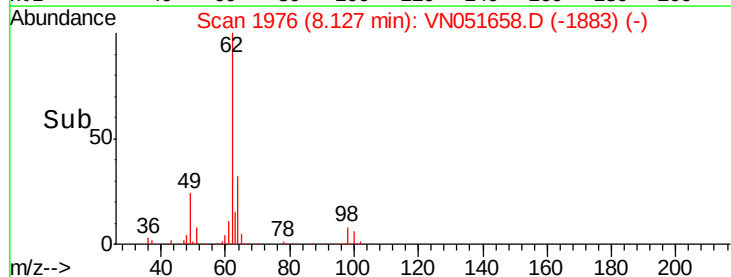
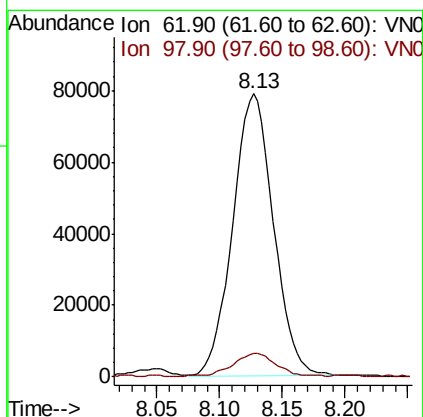
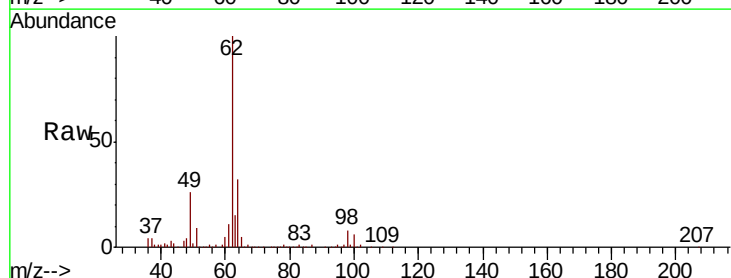
Manual Integrations
APPROVED

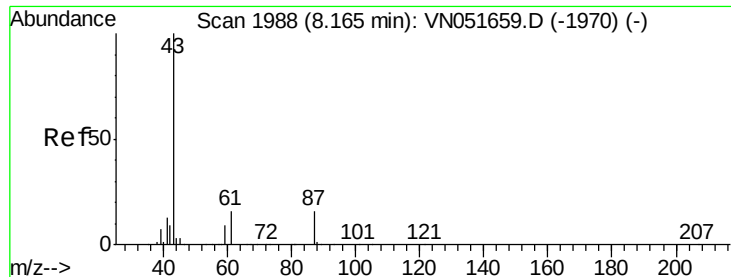
MMDadoda
10/8/2018 1:53:08 PM



#42
1,2-Dichloroethane
Concen: 19.829 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.640 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

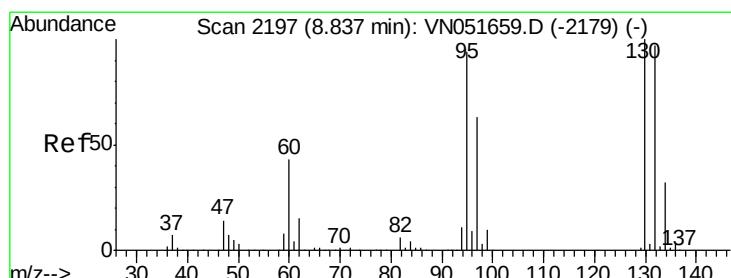
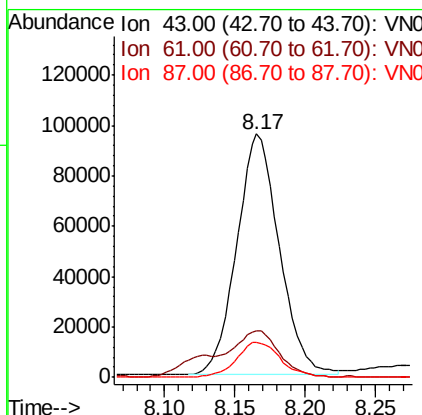
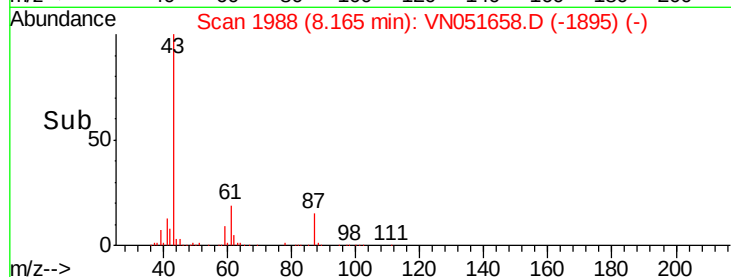
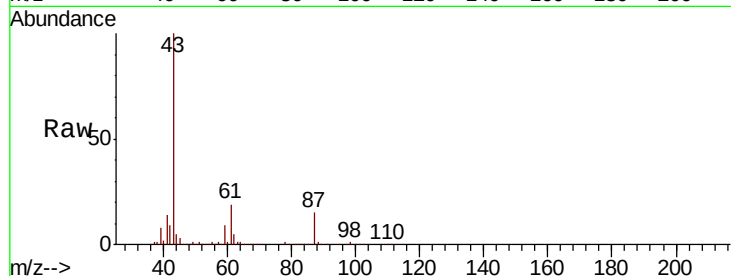
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	201726
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.6
87	15.2	12.6	19.0

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#44

Trichloroethene

Concen: 19.761 ug/l

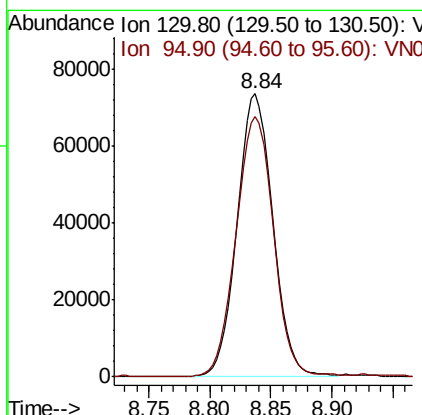
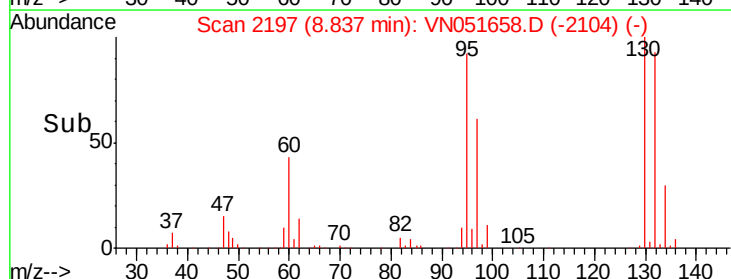
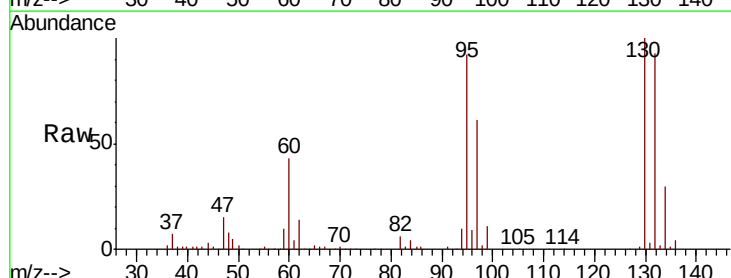
RT: 8.84 min Scan# 2197

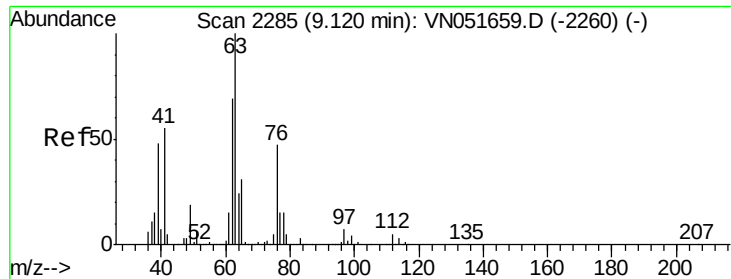
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	130	Resp:	149501
Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	188.0





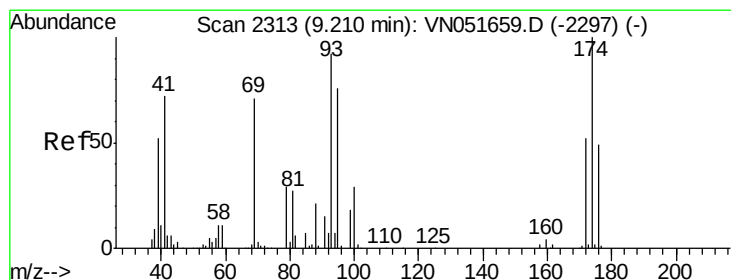
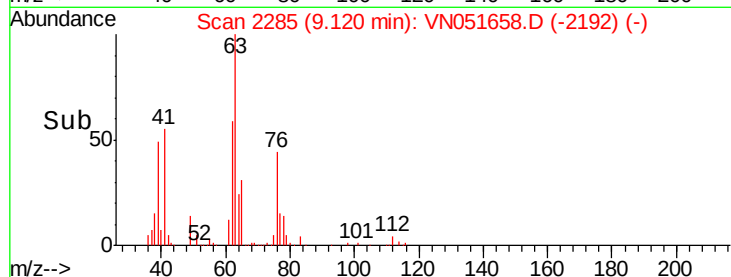
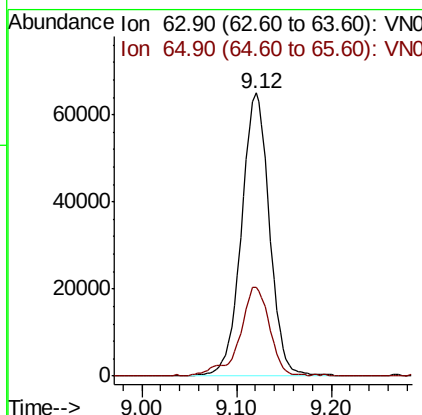
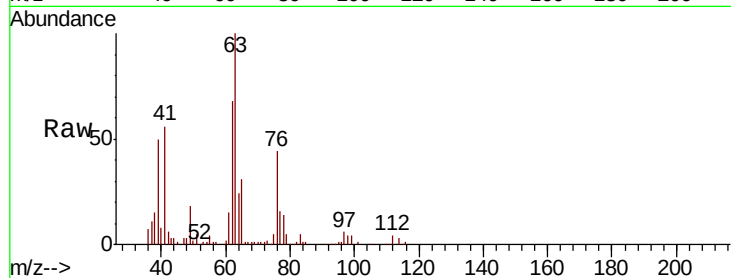
#45
 1,2-Dichloropropane
 Concen: 20.332 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.4

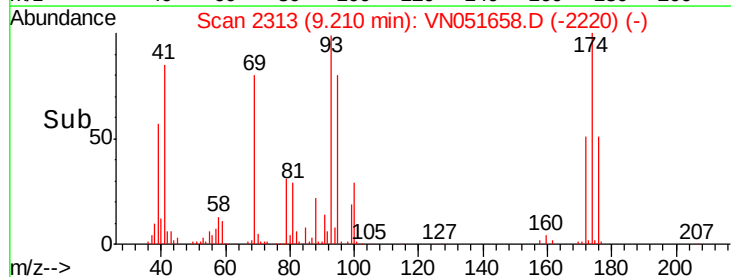
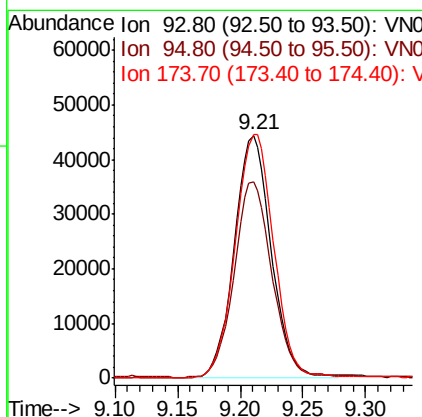
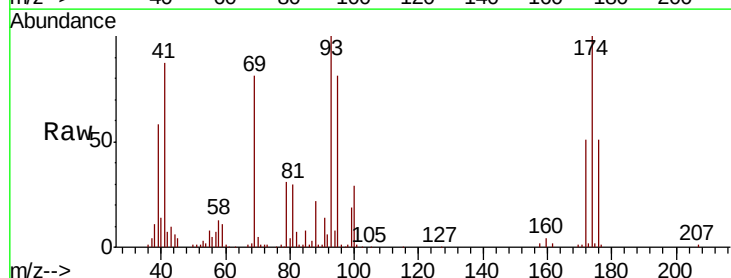
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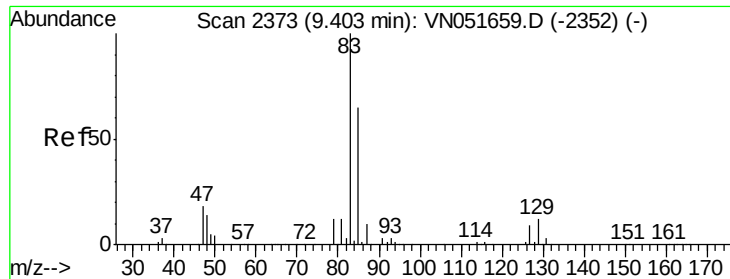
MMDadoda
 10/8/2018 1:53:08 PM



#46
 Dibromomethane
 Concen: 19.919 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	104.3	85.9	128.9





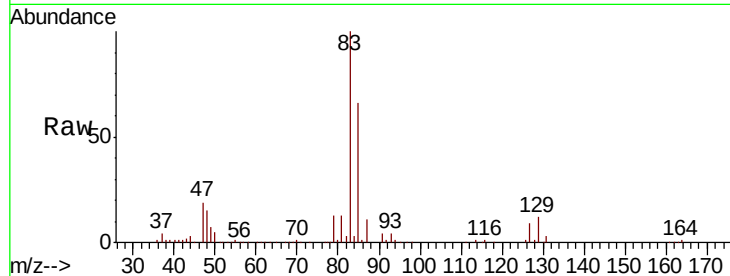
#47
Bromodichloromethane
Concen: 19.718 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

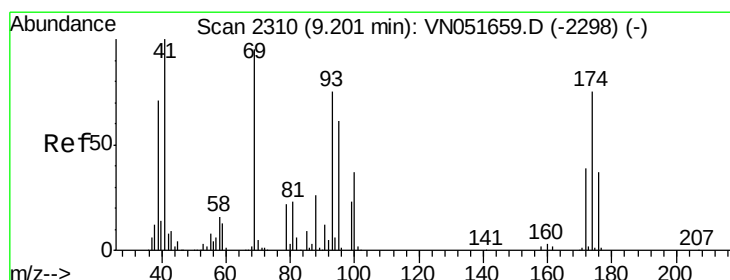
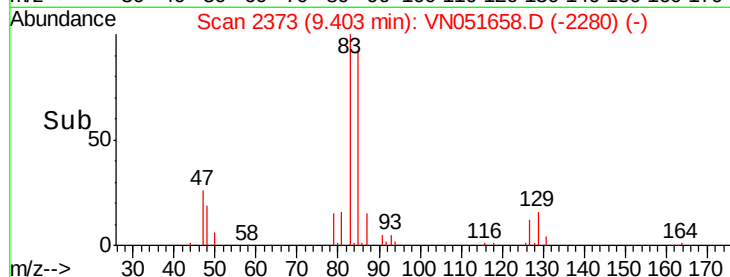
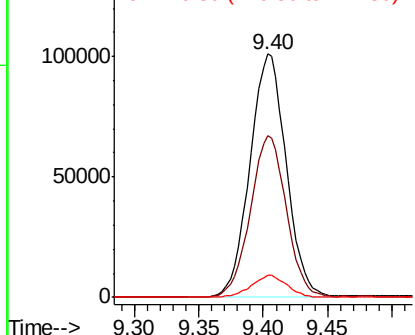
Tot Ion	Ratio	Resp	Lower	Upper
83	100	198756		
85	66.3		51.6	77.4
127	9.0		7.3	10.9

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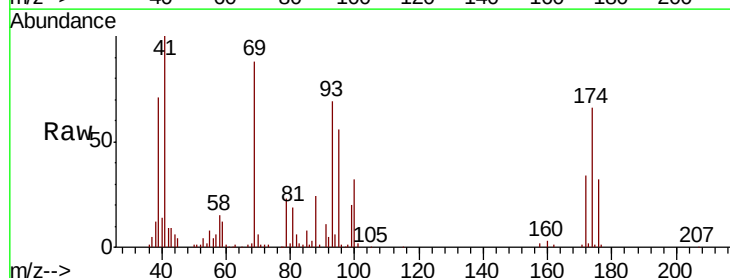


Abundance Ion 82.90 (82.60 to 83.60): VN051658.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051658.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051658.D (-2280) (-)

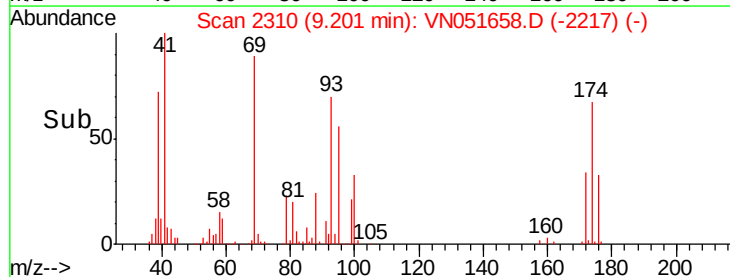
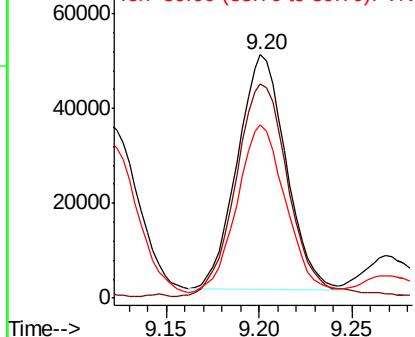


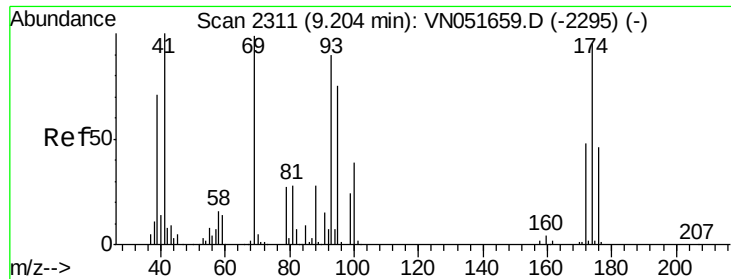
#48
Methyl methacrylate
Concen: 20.213 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	90271		
69	98.4		78.6	118.0
39	72.9		59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN051658.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051658.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051658.D (-2217) (-)





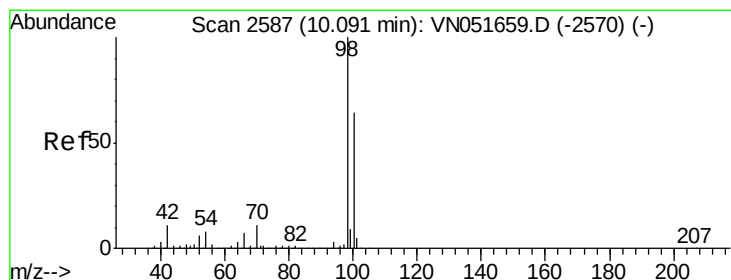
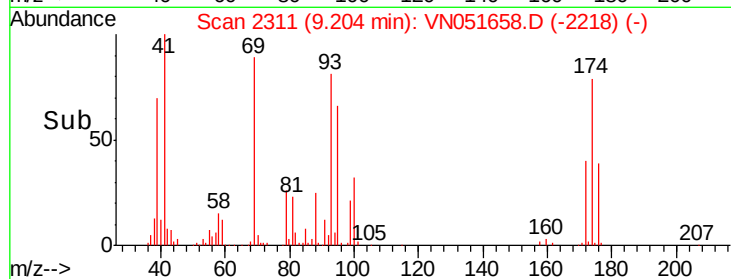
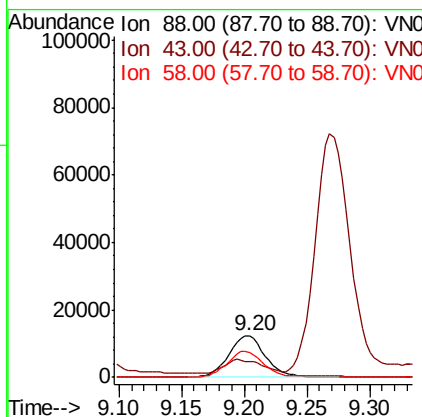
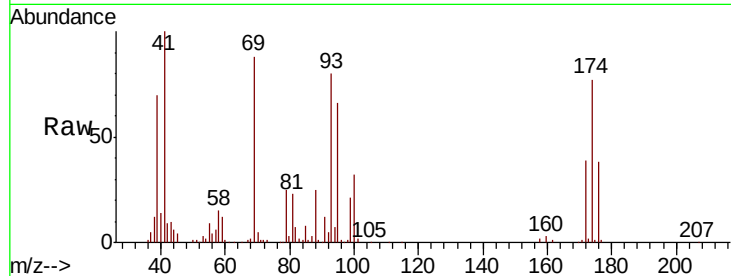
#49
1,4-Dioxane
Concen: 376.975 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	24.5	36.7
58	62.5	47.6	71.4

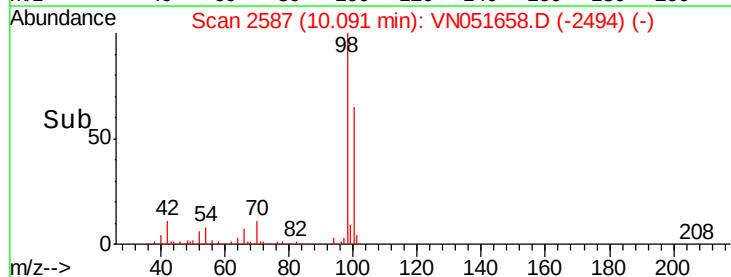
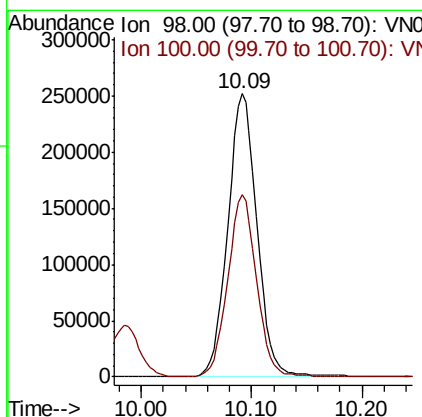
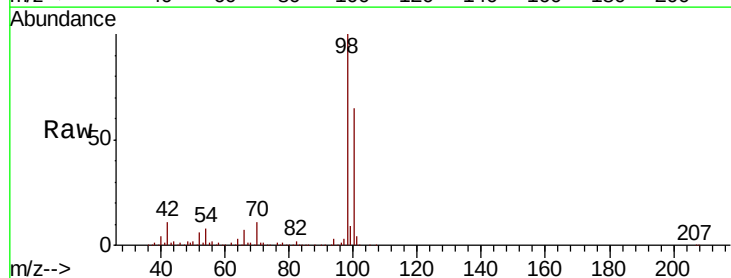
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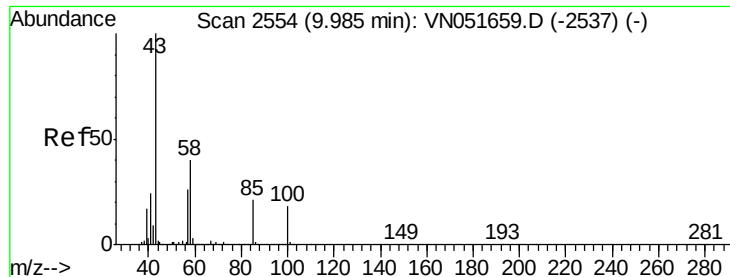
MMDadoda
10/8/2018 1:53:08 PM



#50
Toluene-d8
Concen: 376.975 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.5	77.3





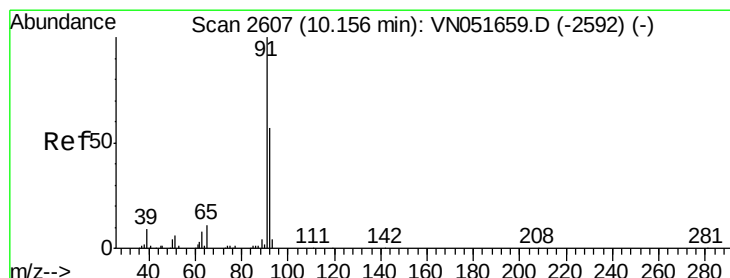
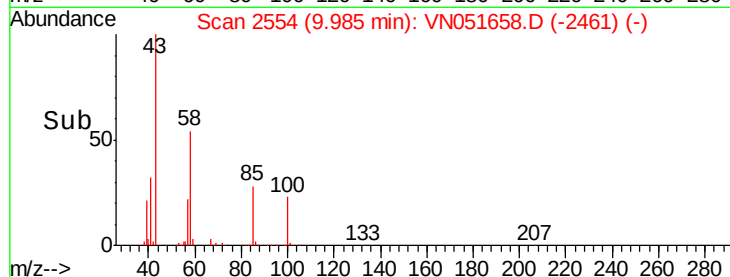
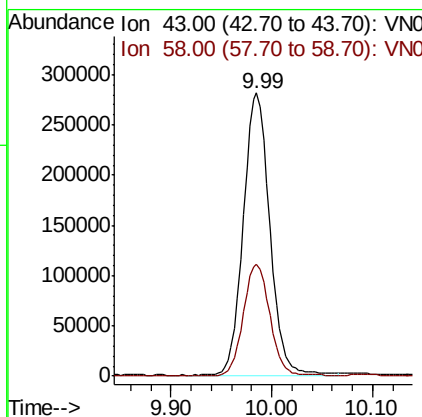
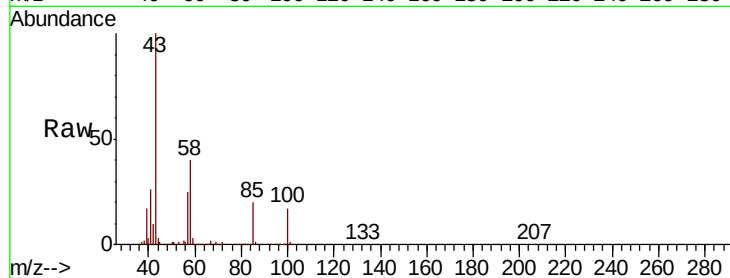
#51
4-Methyl-2-Pentanone
Concen: 102.452 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2

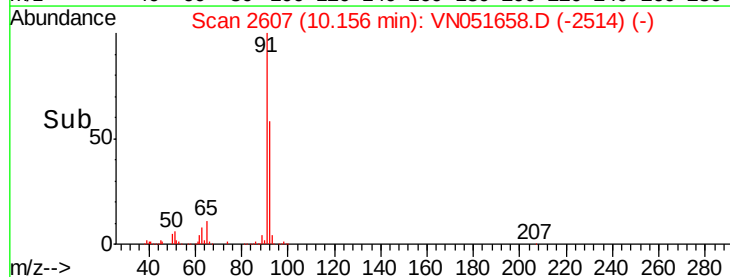
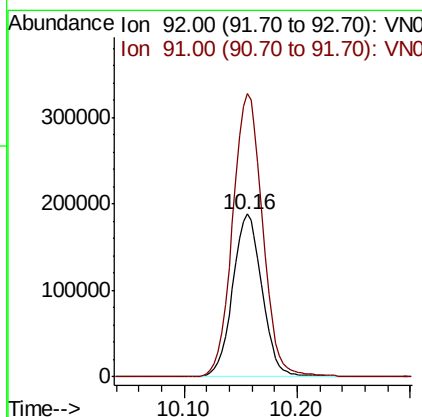
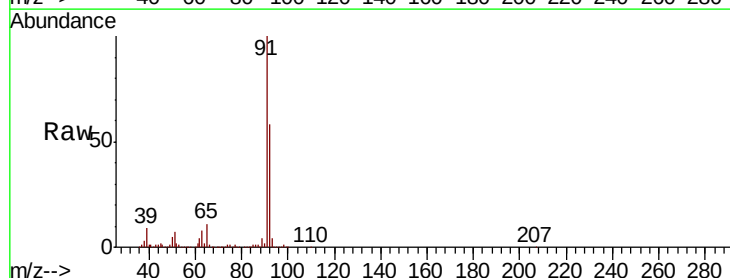
Manual Integrations
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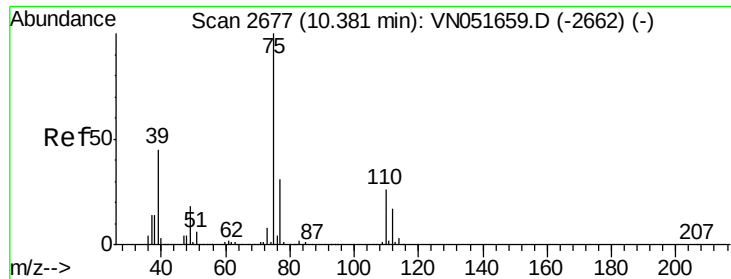
MMDadoda
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#52
Toluene
Concen: 19.282 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.3	210.5





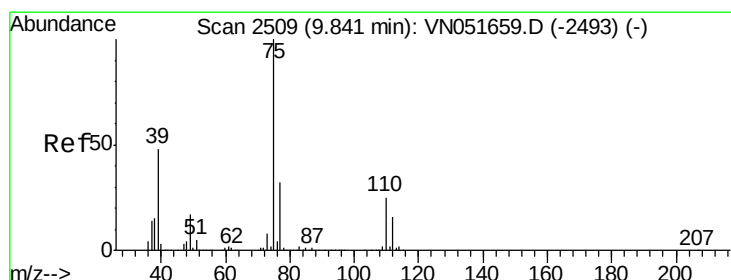
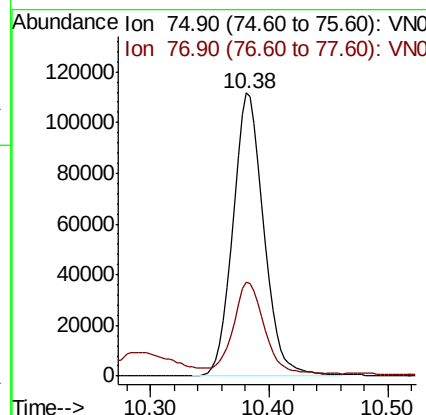
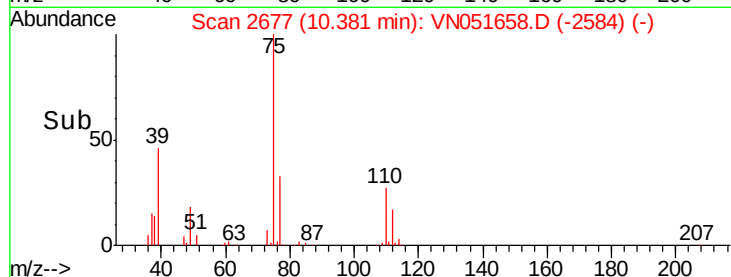
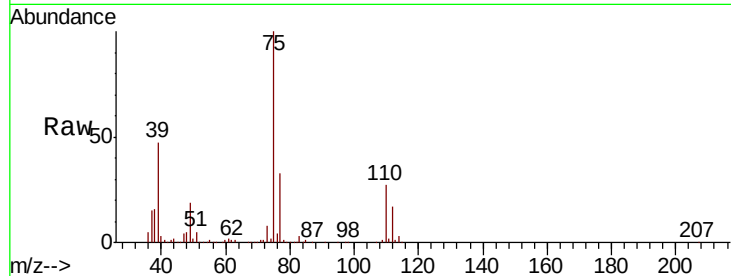
#53
t-1,3-Dichloropropene
Concen: 19.306 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 200803
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3

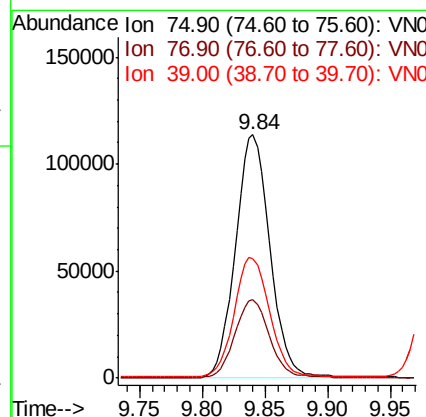
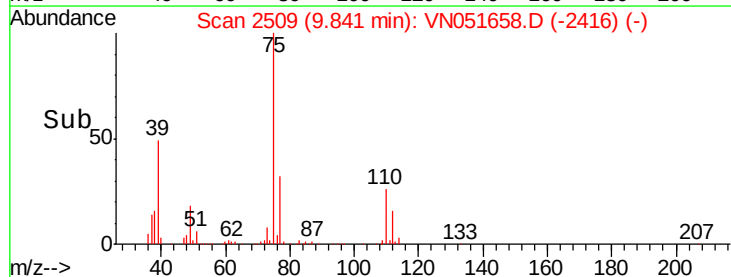
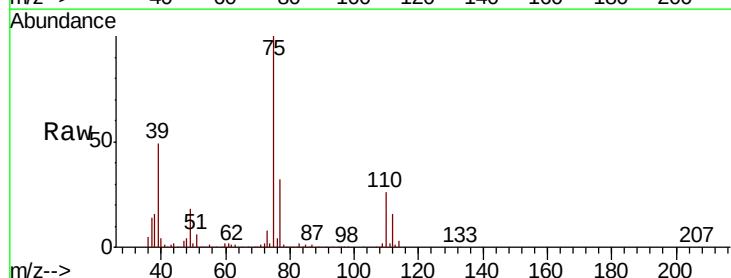
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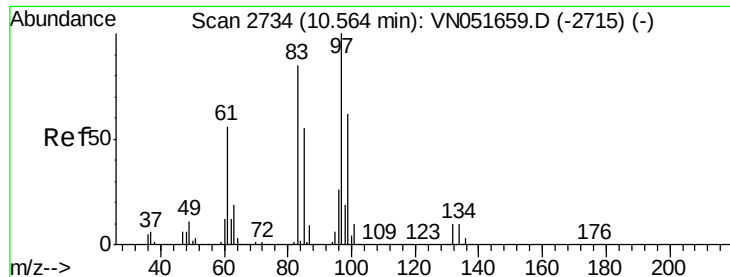
MMDadoda
10/8/2018 1:53:08 PM



#54
cis-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion: 75 Resp: 217593
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 48.8 38.1 57.1





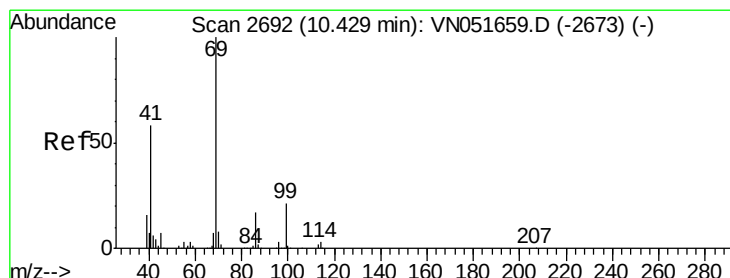
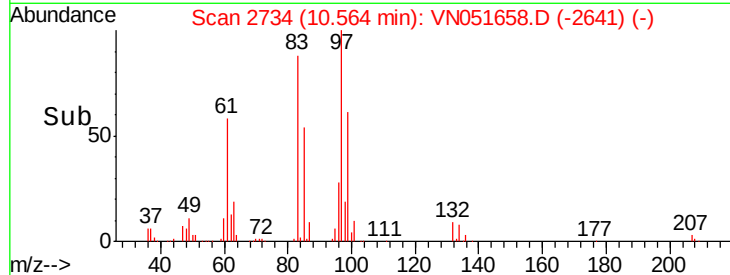
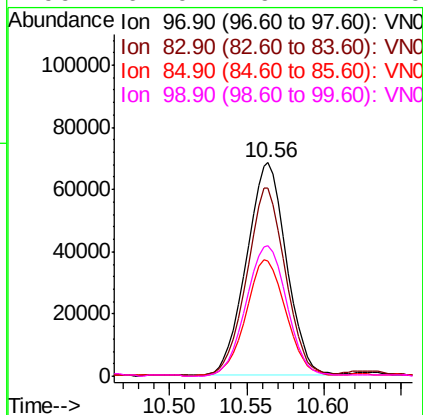
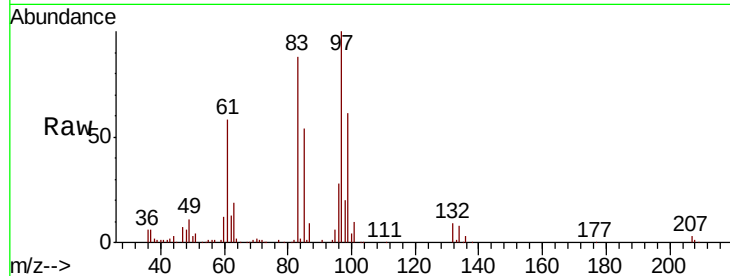
#55
 1,1,2-Trichloroethane
 Concen: 19.524 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123251		
83	87.8	68.1	102.1		
85	53.8	43.6	65.4		
99	61.0	49.4	74.0		

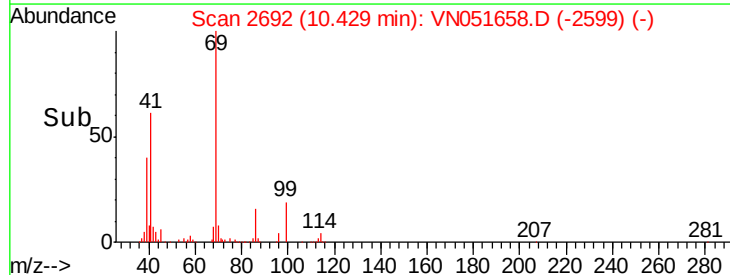
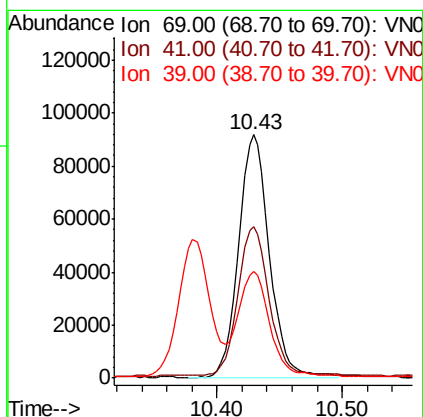
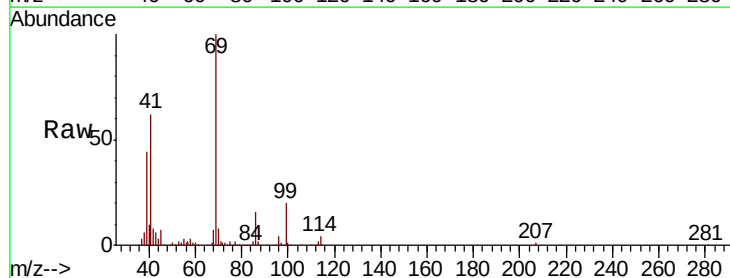
Manual Integrations
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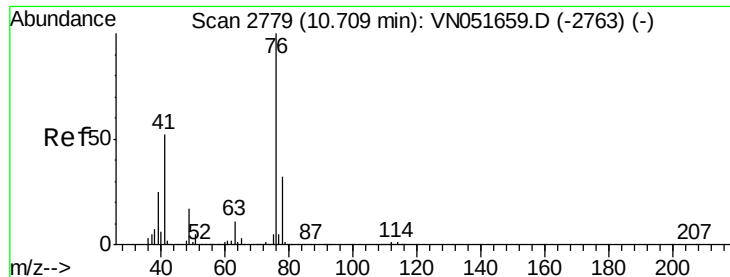
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#56
 Ethyl methacrylate
 Concen: 19.474 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155466		
41	62.1	46.4	69.6		
39	45.1	32.4	48.6		





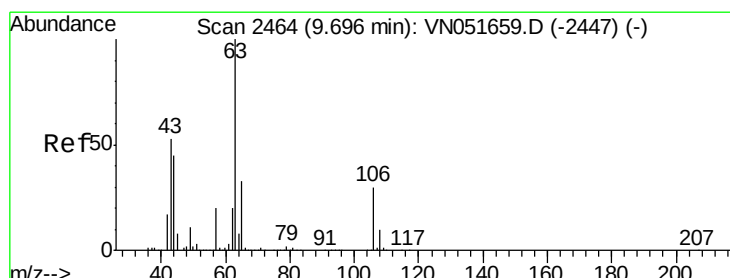
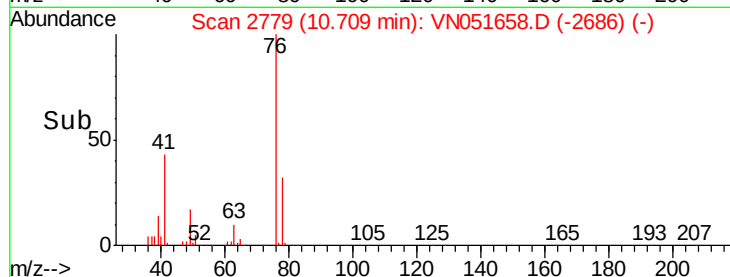
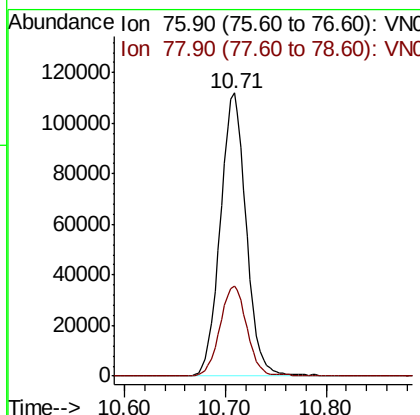
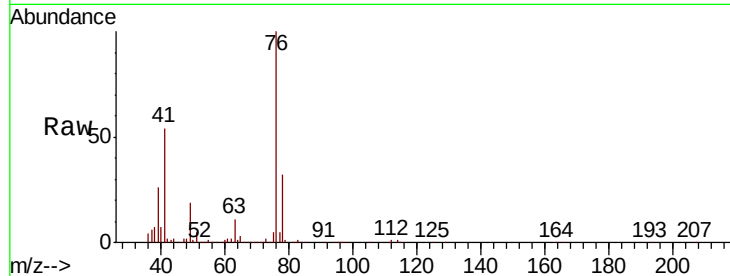
#57
 1,3-Dichloropropane
 Concen: 20.128 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 201113
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.0 39.0

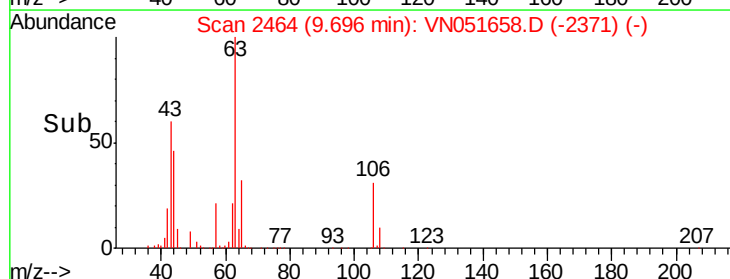
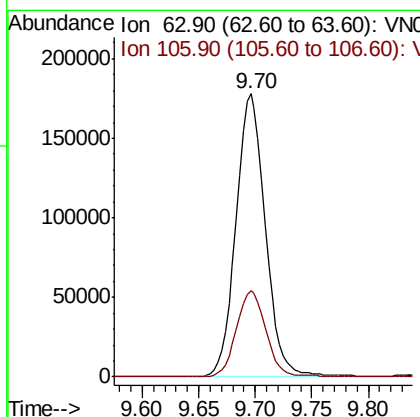
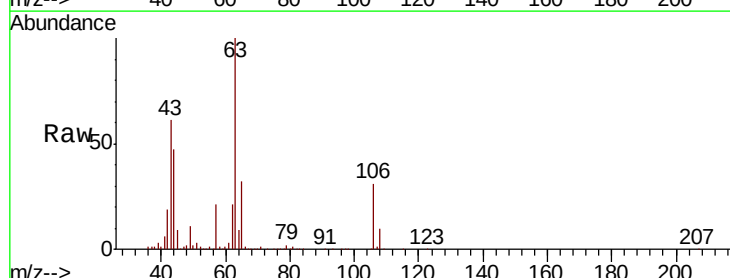
Manual Integrations
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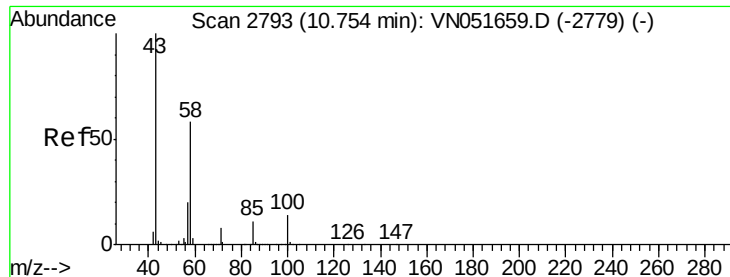
MMDadoda
 10/8/2018 1:53:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.711 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion: 63 Resp: 322844
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.3 36.5





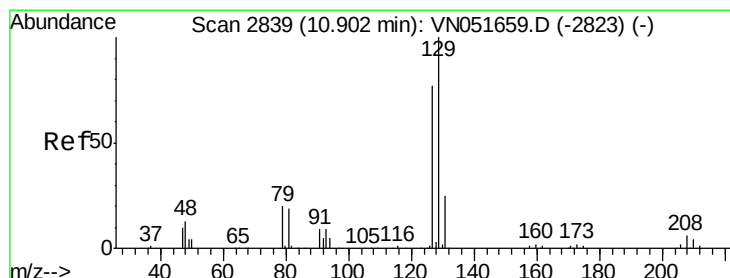
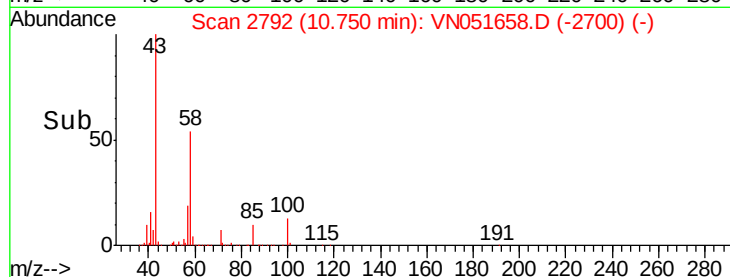
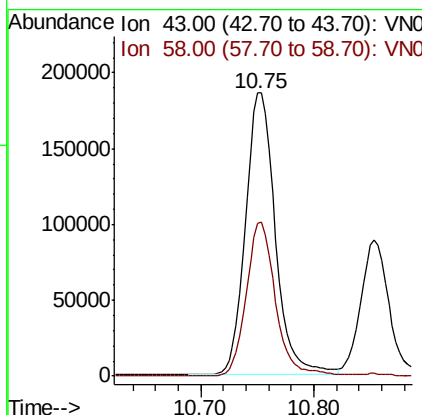
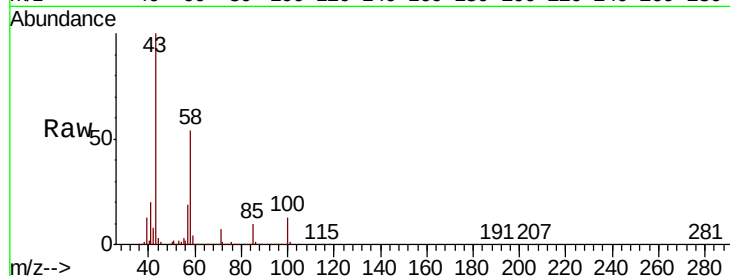
#59
2-Hexanone
Concen: 101.705 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 342069
Ion Ratio Lower Upper
43 100
58 53.7 28.8 86.4

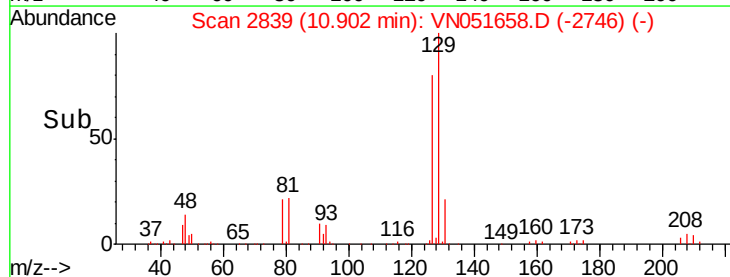
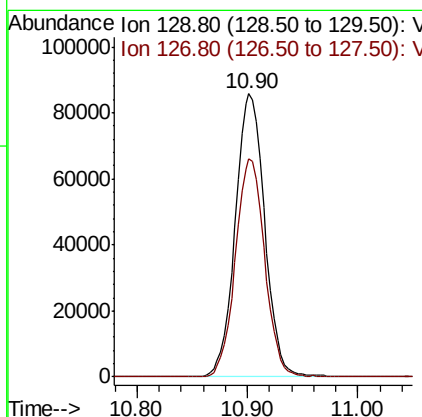
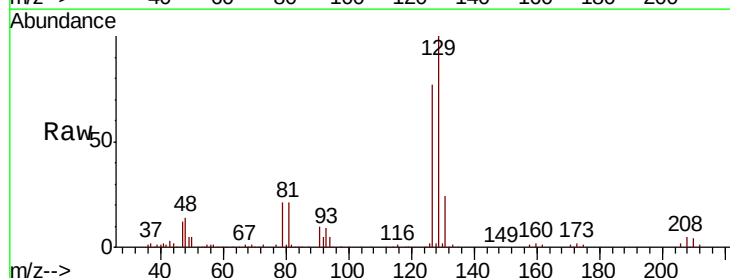
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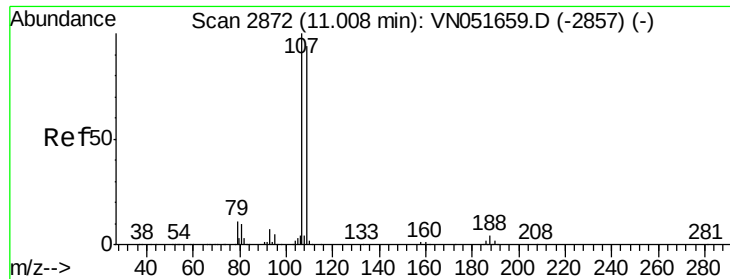
MMDadoda
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#60
Dibromochloromethane
Concen: 19.179 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion: 129 Resp: 158445
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7





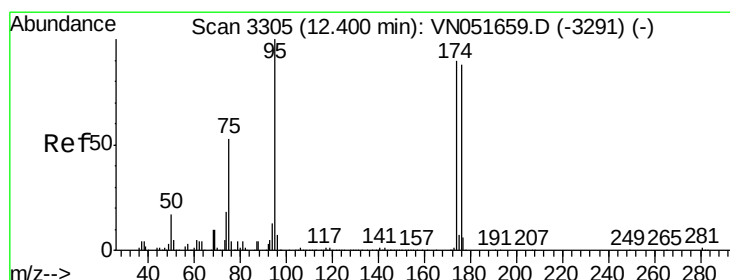
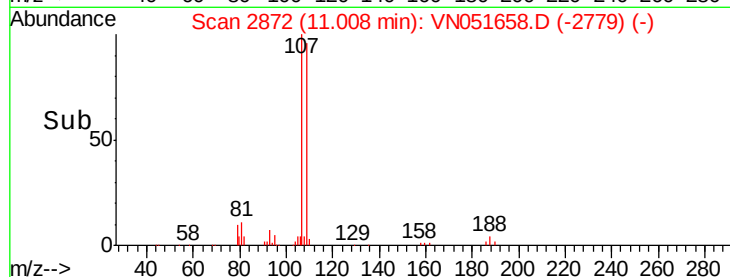
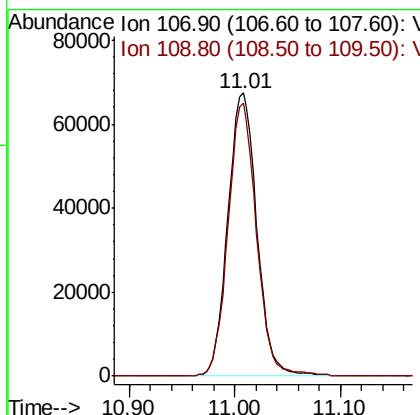
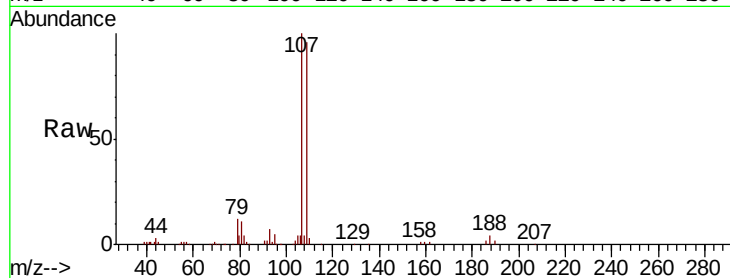
#61
 1,2-Dibromoethane
 Concen: 19.218 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

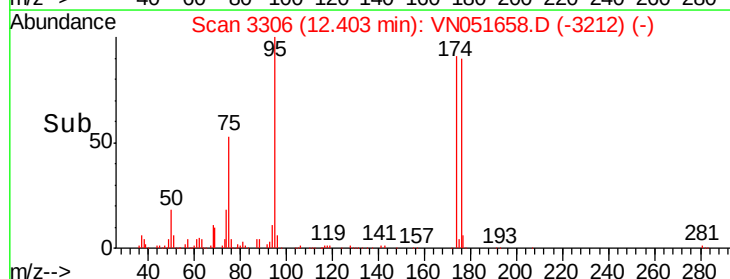
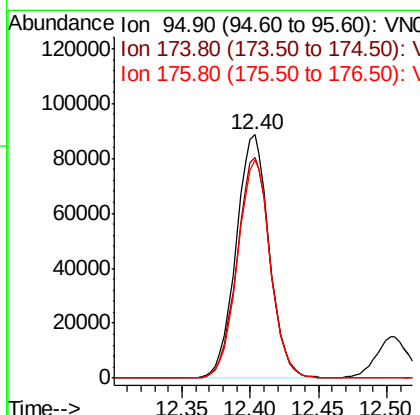
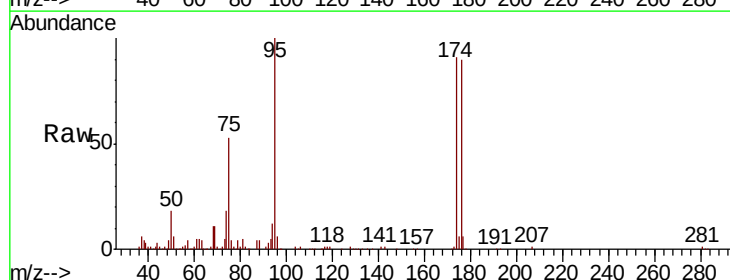
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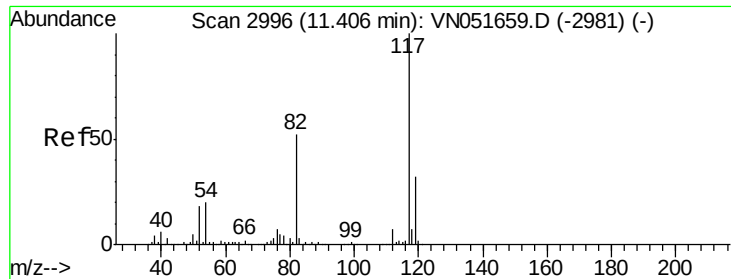
MMDadoda
 10/8/2018 1:53:08 PM



#62
 4-Bromofluorobenzene
 Concen: 19.218 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	182.8
176	88.2	0.0	176.4





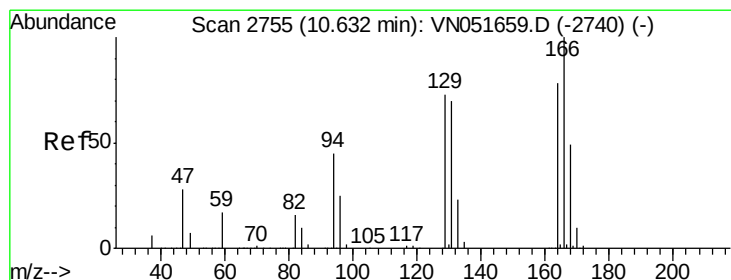
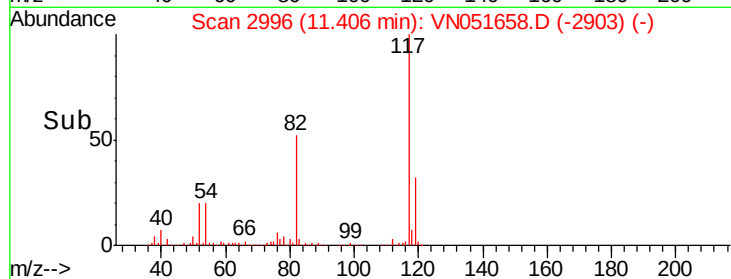
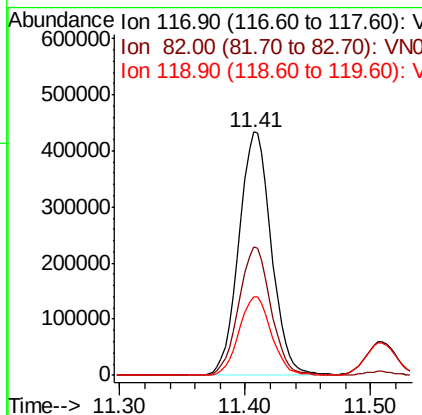
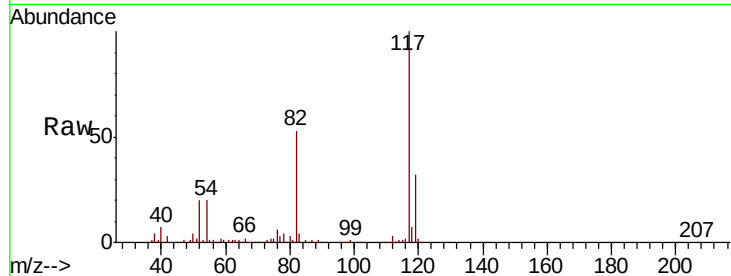
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	781086		
82	52.5		41.3	61.9
119	32.4		25.9	38.9

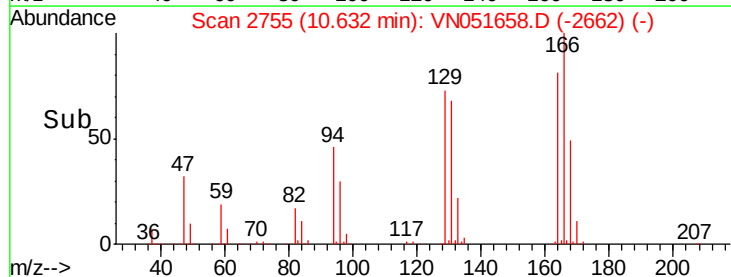
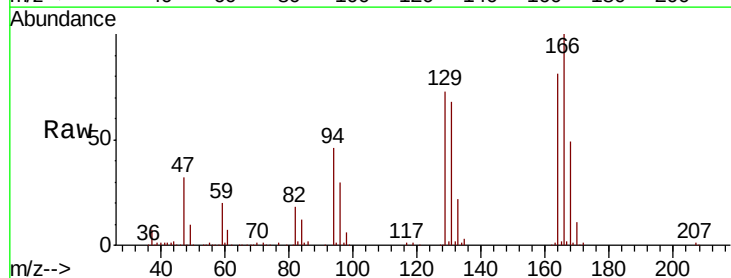
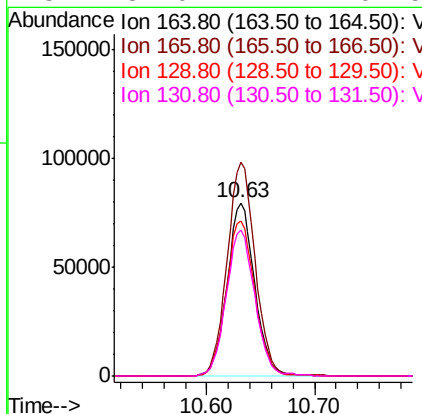
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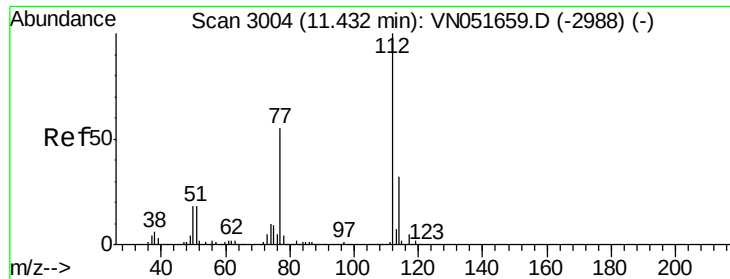
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#64
Tetrachloroethene
Concen: 20.443 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	140878		
166	123.5		103.0	154.6
129	89.5		75.2	112.8
131	84.0		71.7	107.5





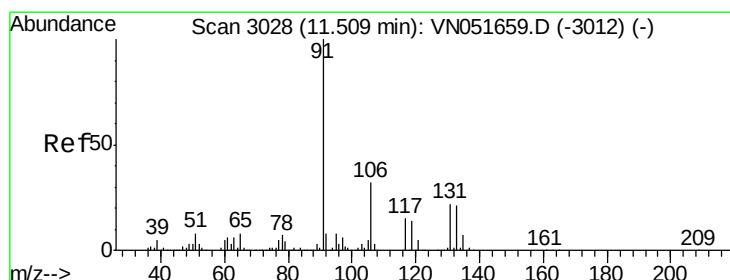
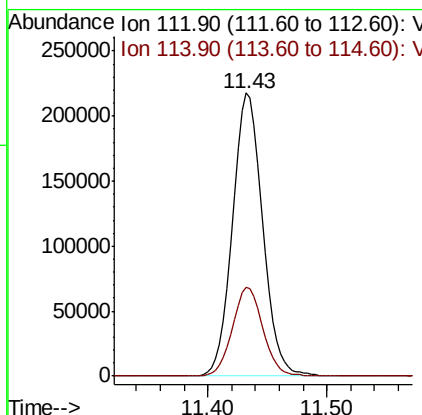
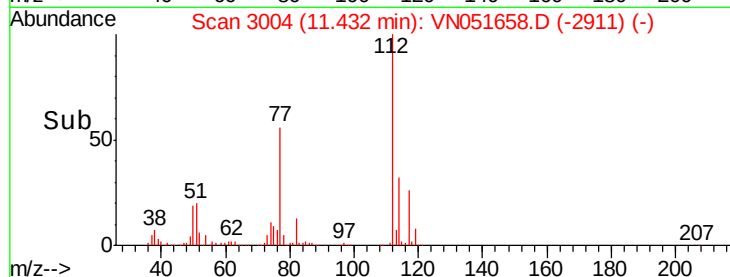
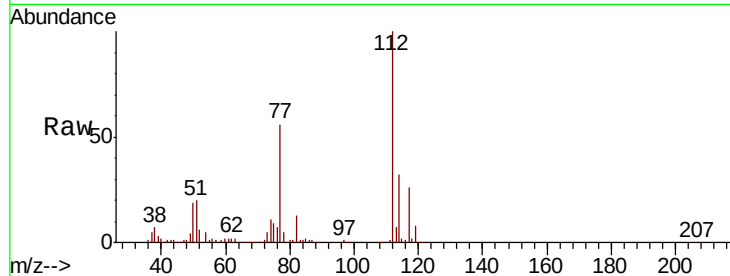
#65
Chlorobenzene
Concen: 19.770 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

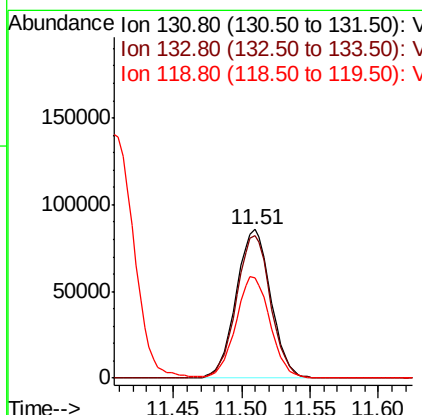
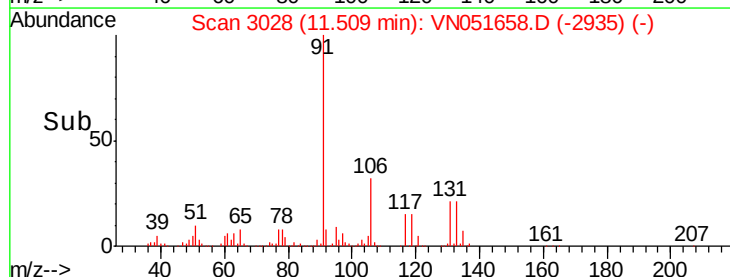
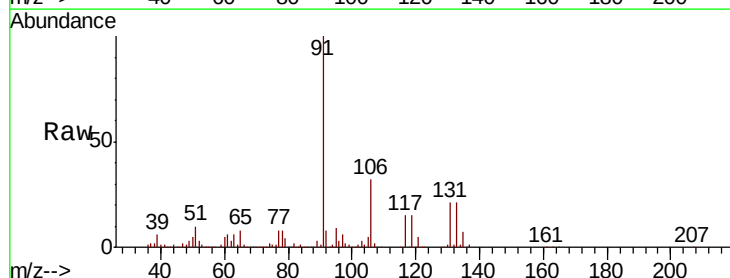
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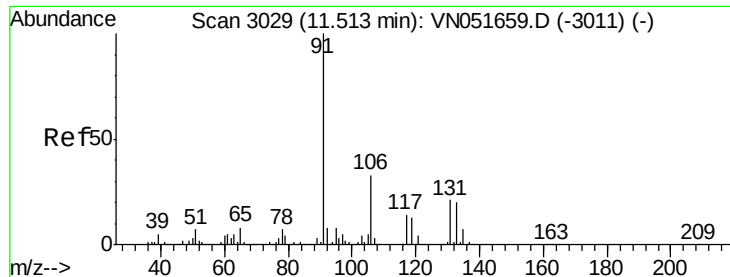
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.6	142.8
119	67.5	32.0	96.0





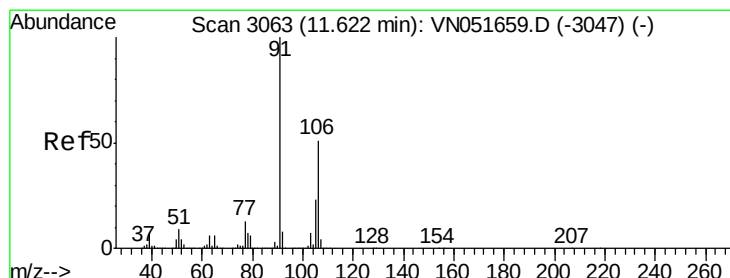
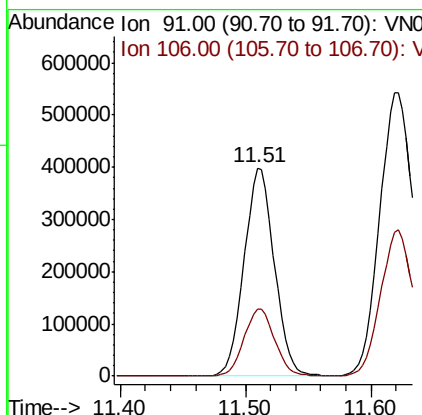
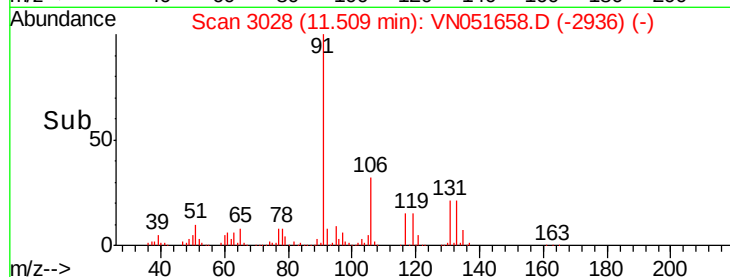
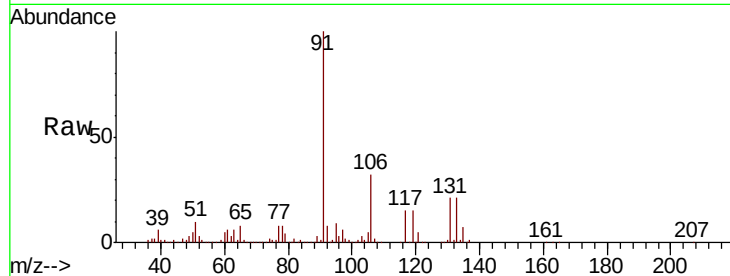
#67
Ethyl Benzene
Concen: 20.094 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 671888
Ion Ratio Lower Upper
91 100
106 32.0 26.0 39.0

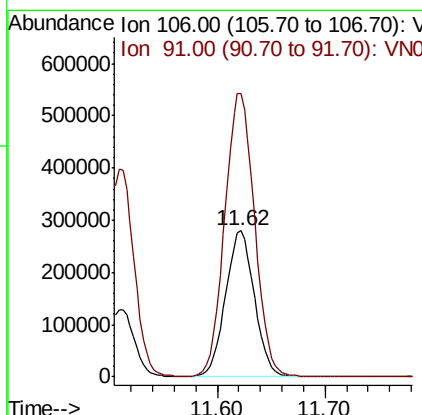
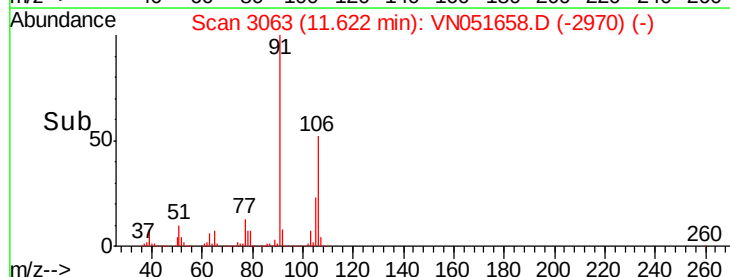
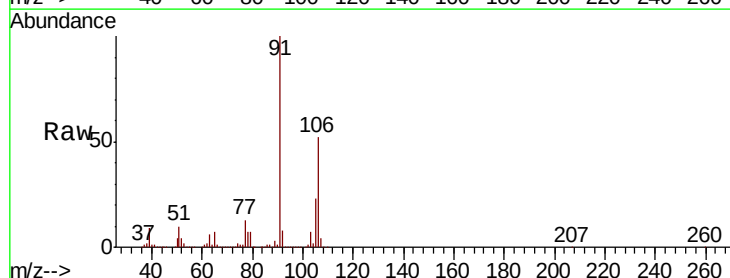
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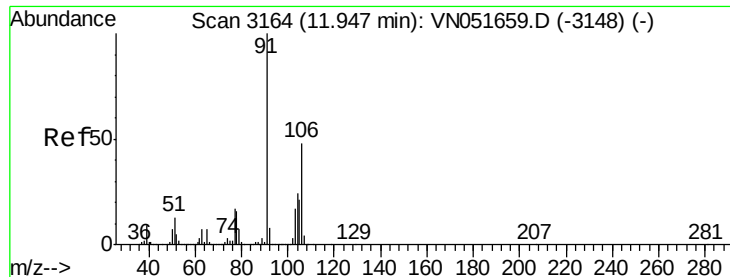
MMDadoda
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#68
m/p-Xylenes
Concen: 39.129 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion: 106 Resp: 523489
Ion Ratio Lower Upper
106 100
91 199.7 158.4 237.6





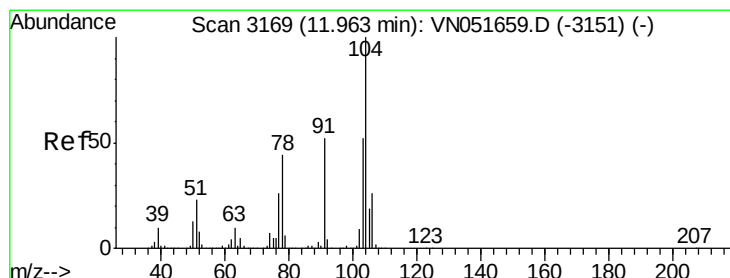
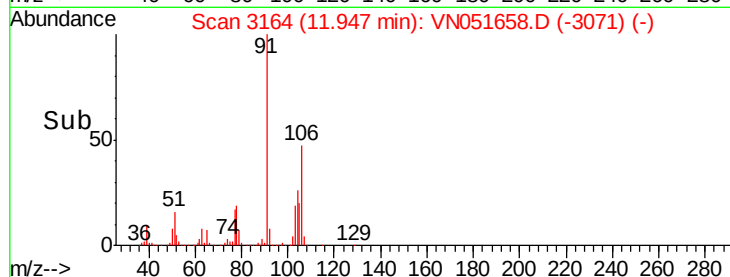
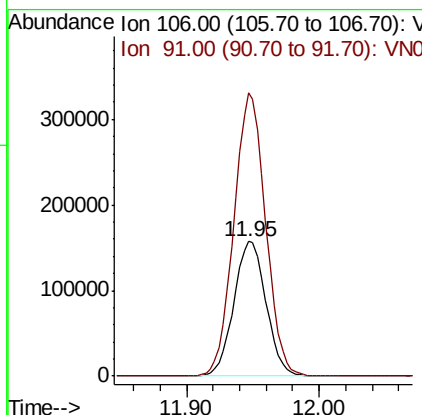
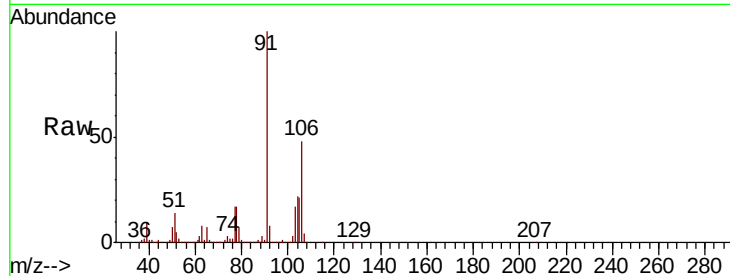
#69
o-Xylene
Concen: 20.169 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		264628		
91	206.9	104.4	313.2		

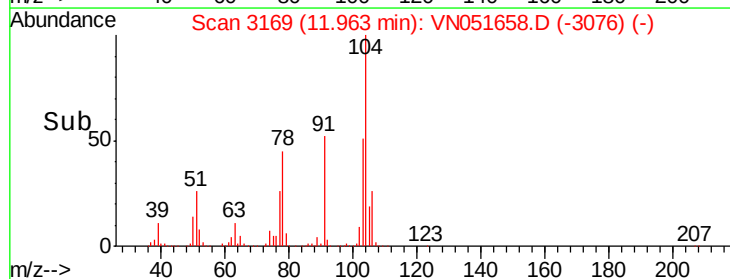
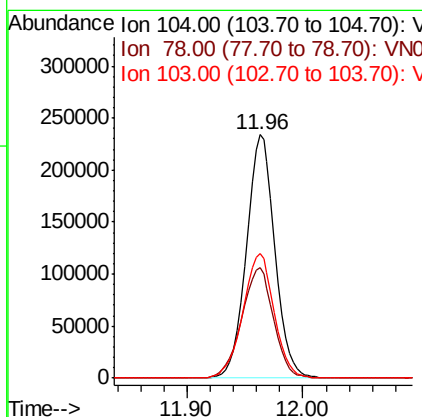
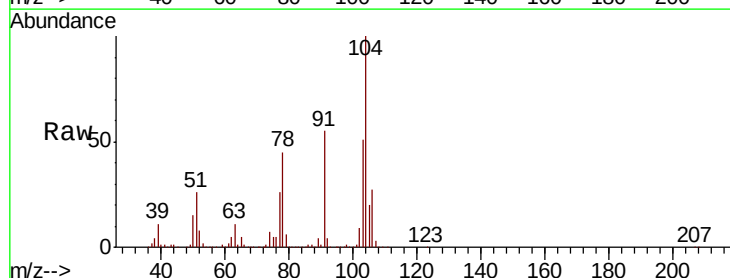
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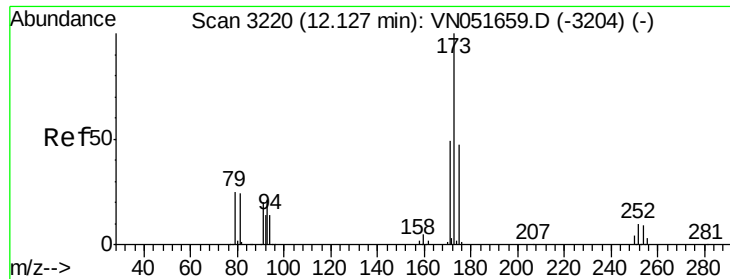
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#70
Styrene
Concen: 19.125 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		399849		
78	50.8	39.3	58.9		
103	56.1	45.0	67.6		





#71

Bromoform

Concen: 18.642 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

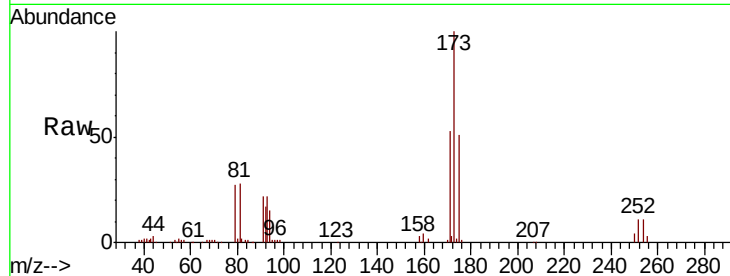
ClientSampleId :

VSTDIC020

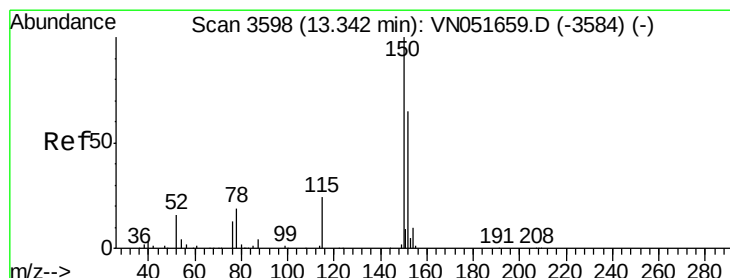
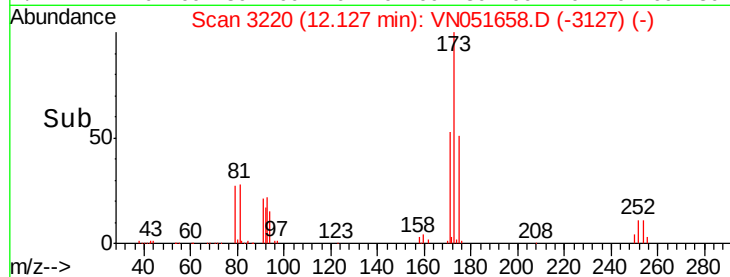
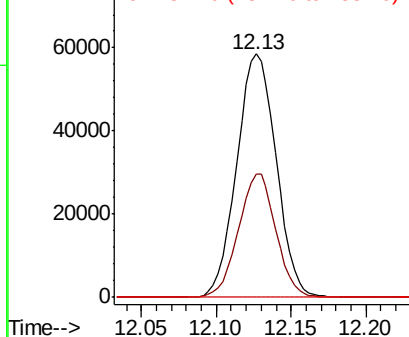
Tot Ion:	173	Resp:	107402
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.0	72.0
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

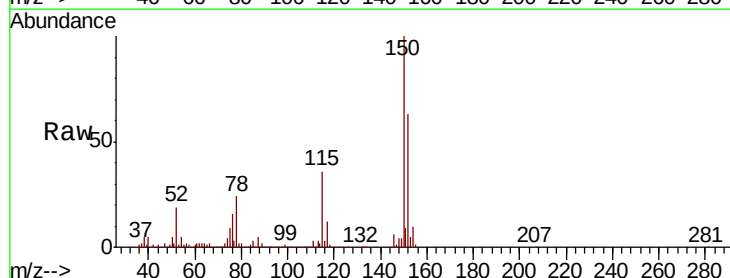
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

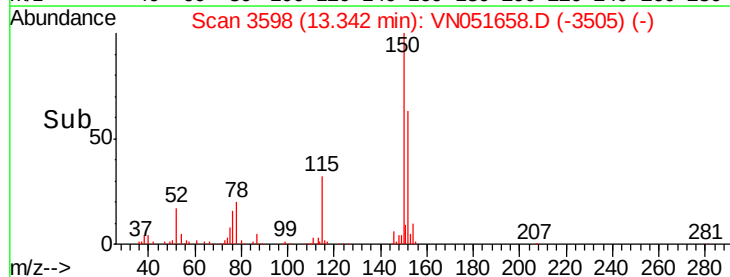
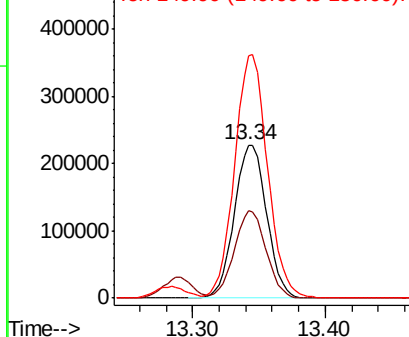
Lab File: VN051658.D

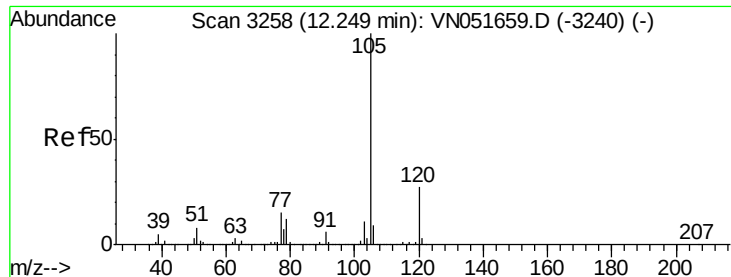
Acq: 4 Oct 2018 11:16

Tgt Ion:	152	Resp:	384393
Ion Ratio	Lower	Upper	
152	100		
115	56.0	28.6	85.8
150	162.5	0.0	352.4



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





#73

Isopropylbenzene

Concen: 21.243 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 696083

Ion Ratio Lower Upper

105 100

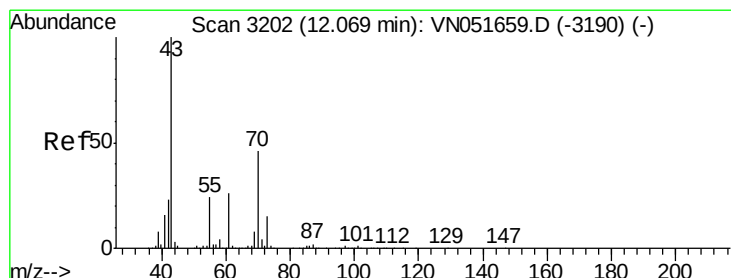
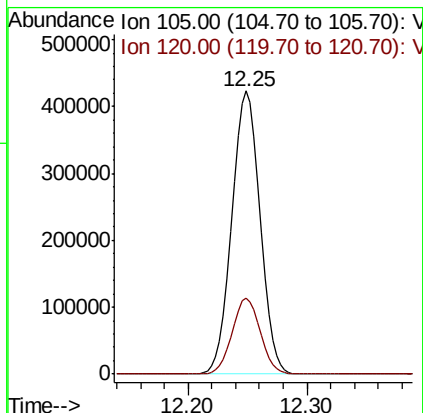
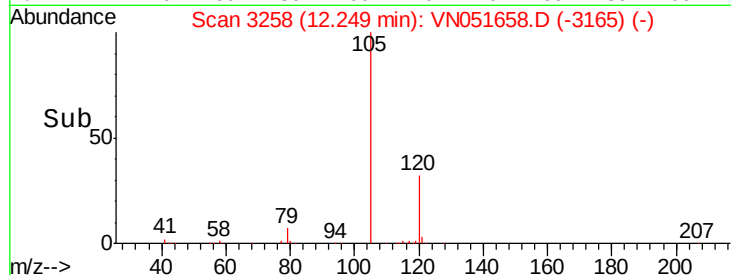
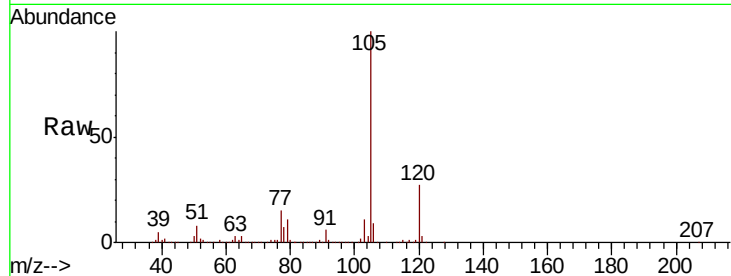
120 26.8 13.9 41.6

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#74

N-ethyl acetate

Concen: 20.955 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion: 43 Resp: 156590

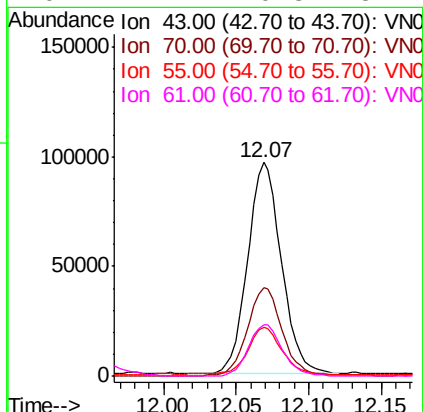
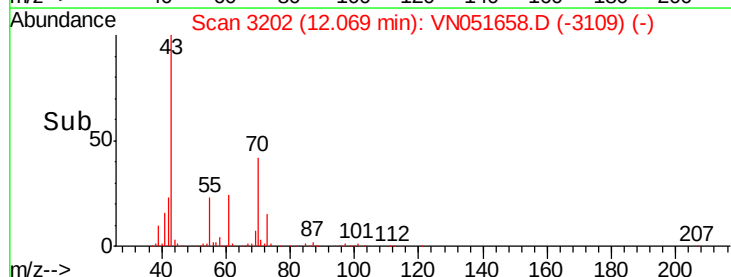
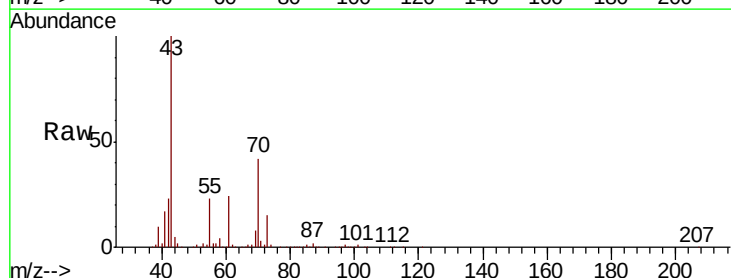
Ion Ratio Lower Upper

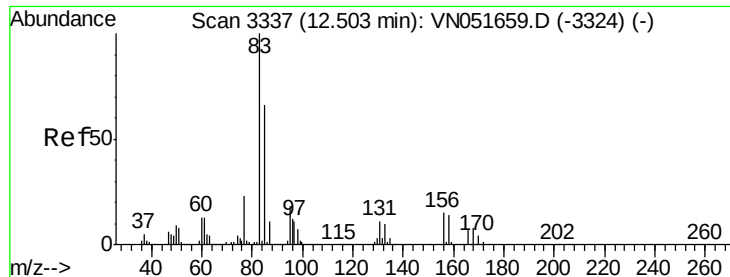
43 100

70 42.4 37.1 55.7

55 22.6 19.1 28.7

61 24.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.127 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

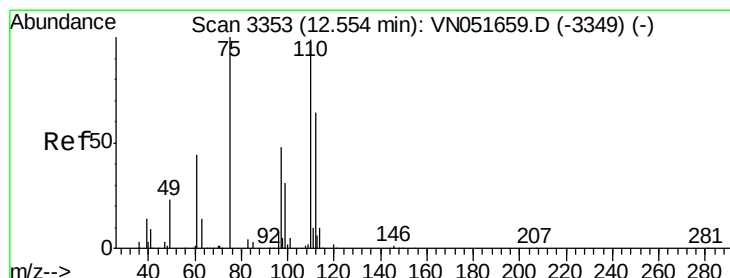
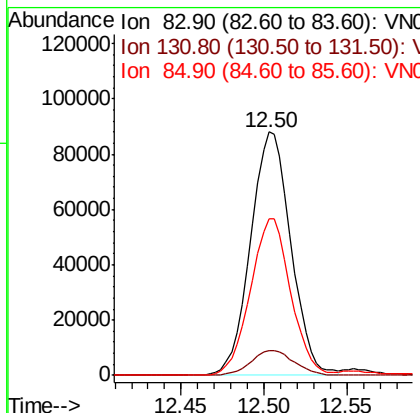
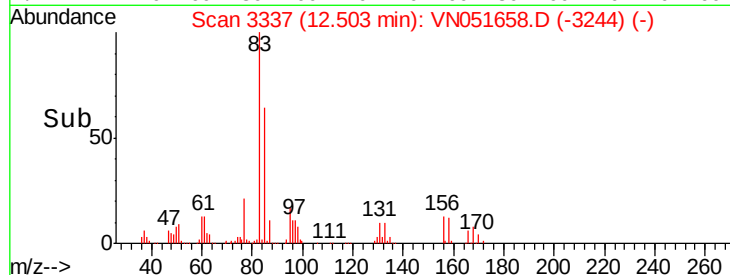
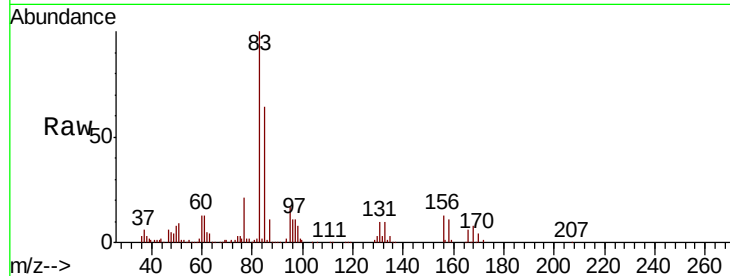
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	149221
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	64.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 20.332 ug/l m

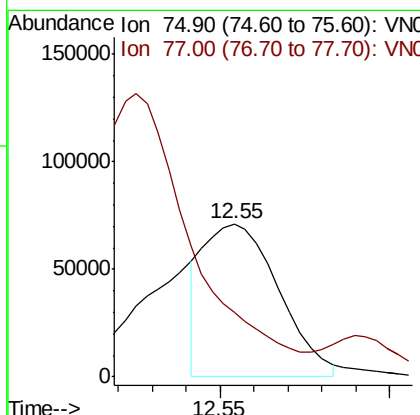
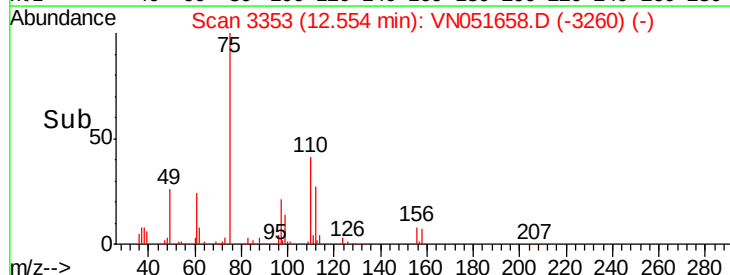
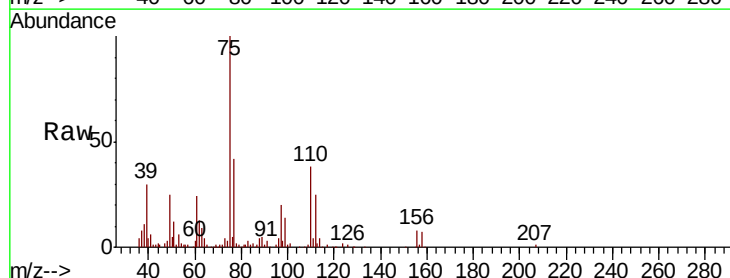
RT: 12.55 min Scan# 3353

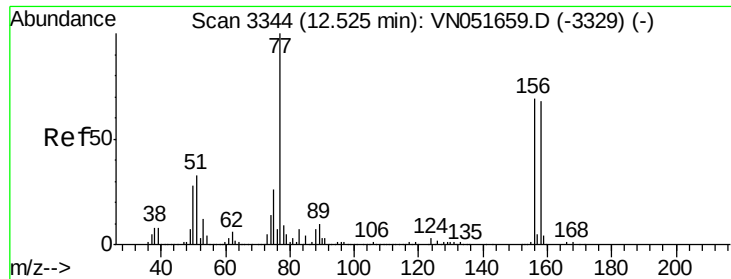
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	75	Resp:	109617
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.328 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

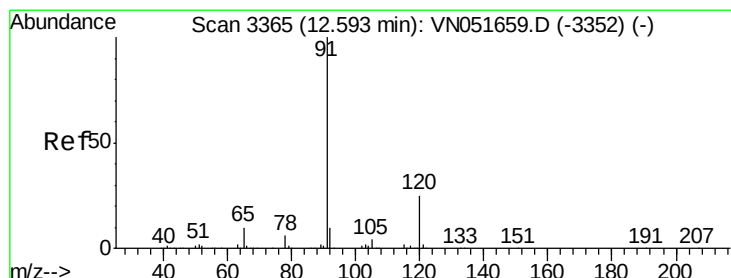
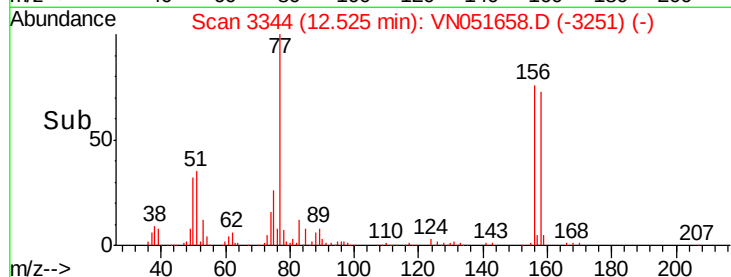
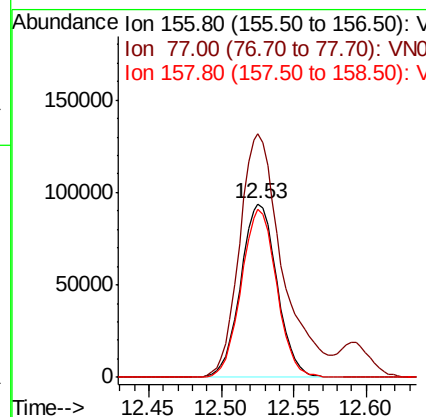
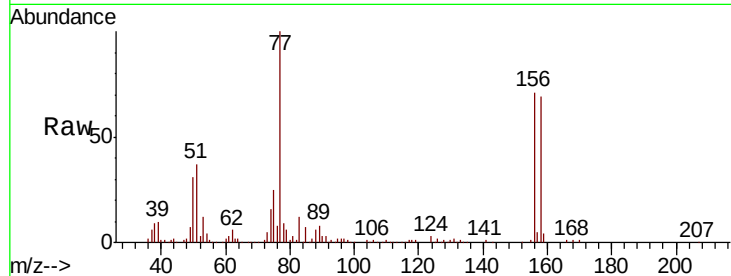
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	162870
Ion Ratio	Lower	Upper	
156	100		
77	166.3	83.2	249.4
158	94.7	49.0	147.2

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#78

n-propylbenzene

Concen: 20.840 ug/l

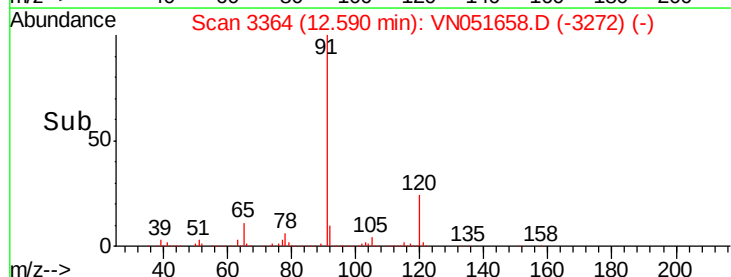
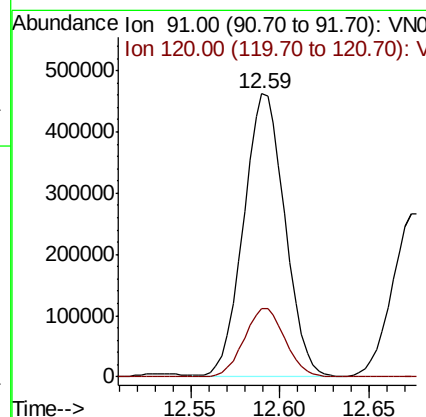
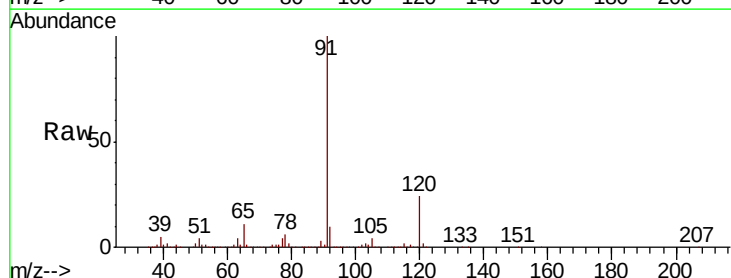
RT: 12.59 min Scan# 3364

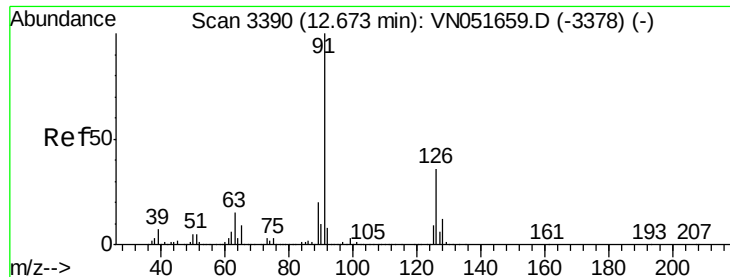
Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Tgt Ion:	91	Resp:	744824
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.4	37.2





#79

2-Chlorotoluene

Concen: 21.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 442570

Ion Ratio Lower Upper

91 100

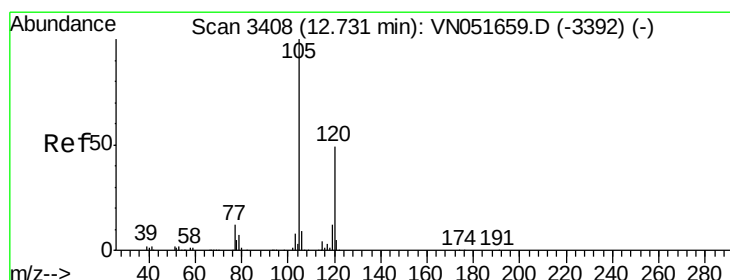
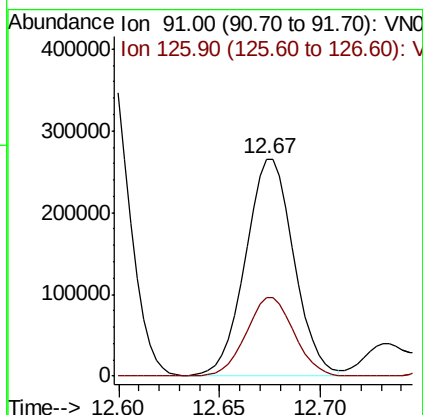
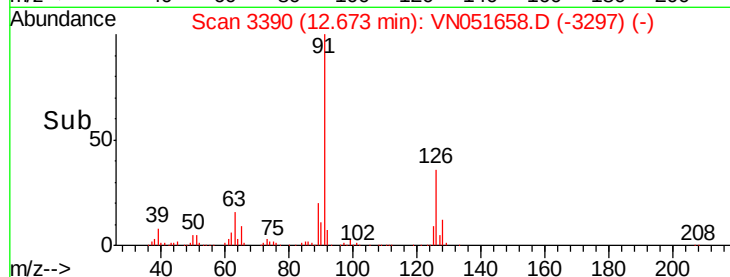
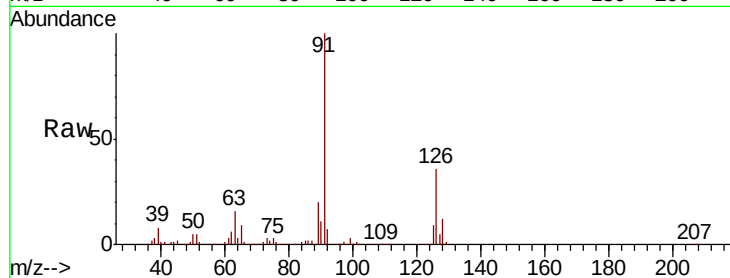
126 36.2 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.834 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051658.D

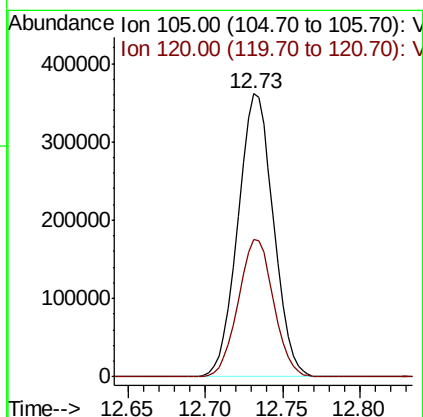
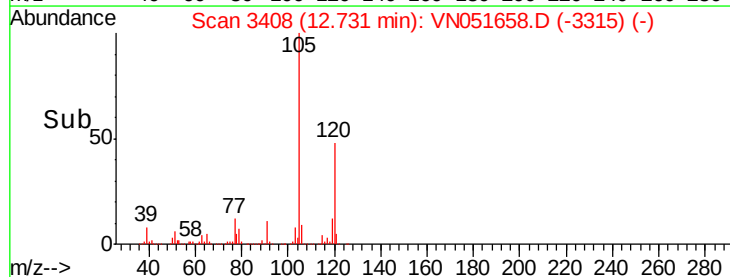
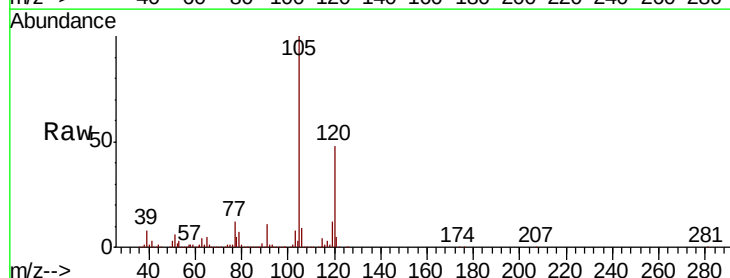
Acq: 4 Oct 2018 11:16

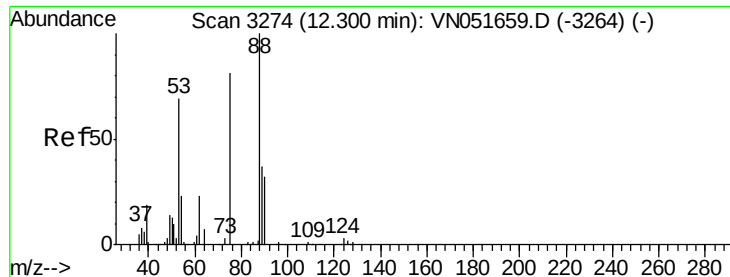
Tgt Ion: 105 Resp: 575317

Ion Ratio Lower Upper

105 100

120 48.6 24.6 74.0





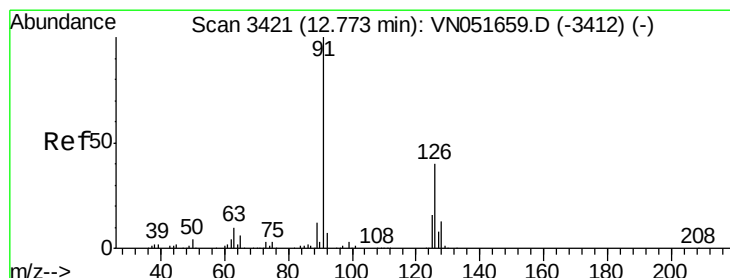
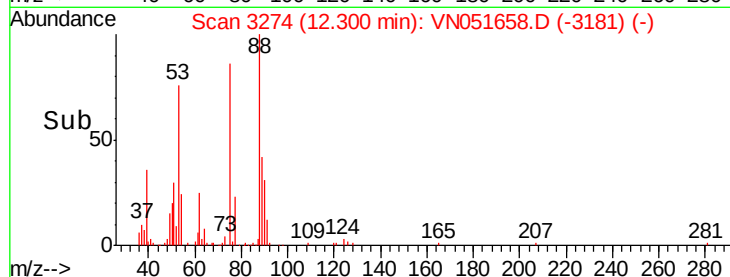
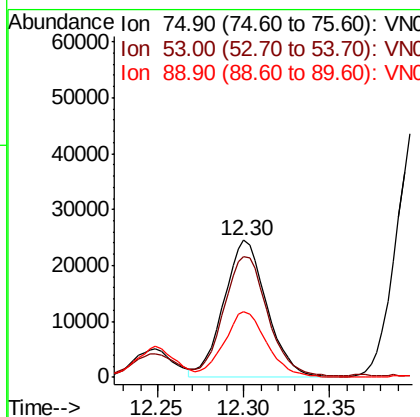
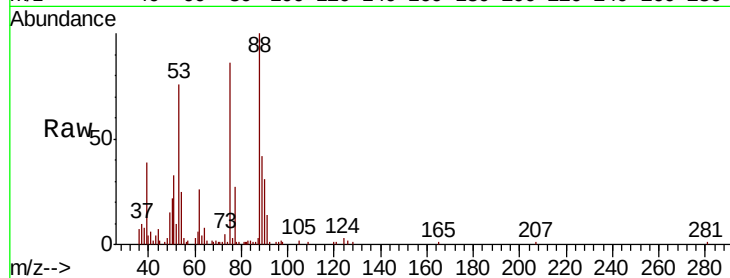
#81
trans-1,4-Dichloro-2-butene
Concen: 20.479 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	68.6	102.8
89	47.7	39.4	59.2

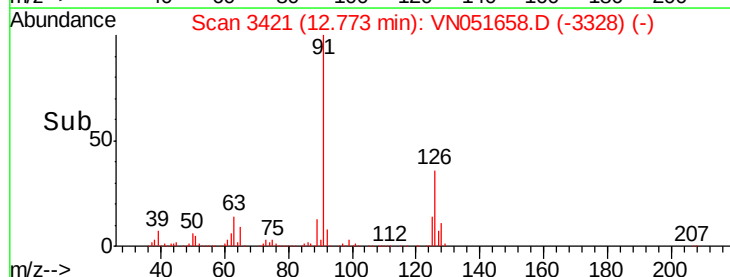
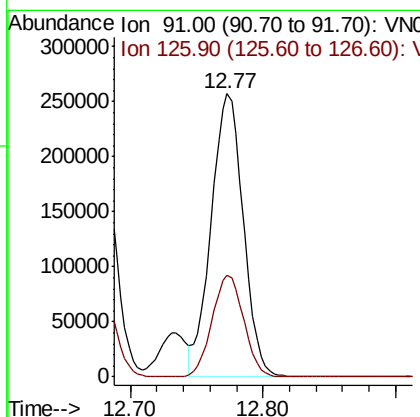
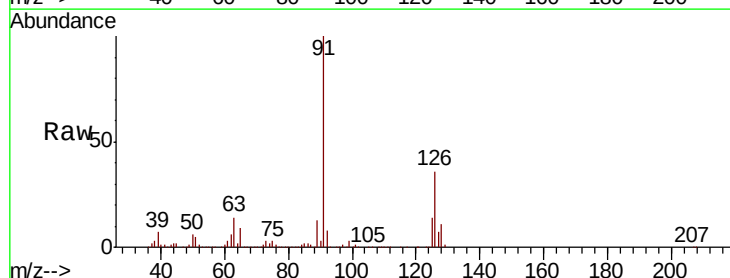
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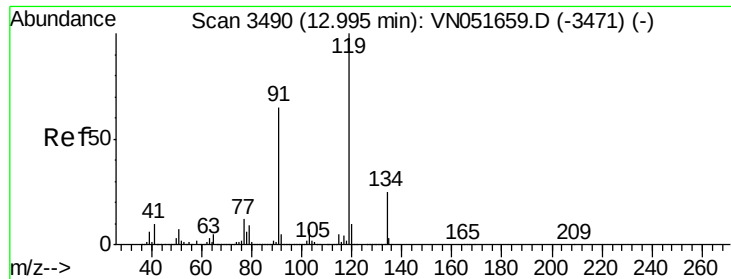
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#82
4-Chlorotoluene
Concen: 20.374 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.0	54.0





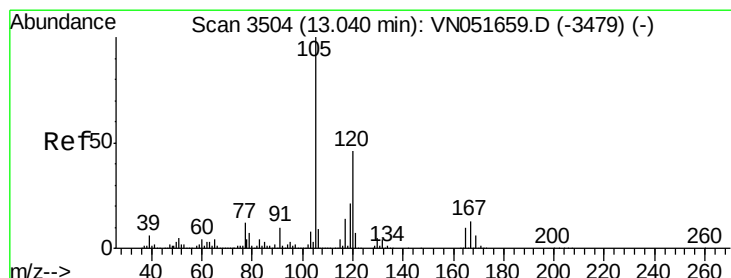
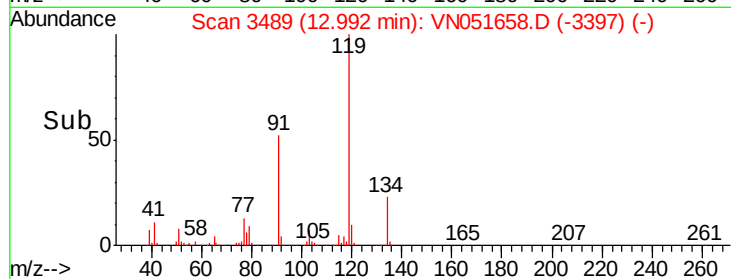
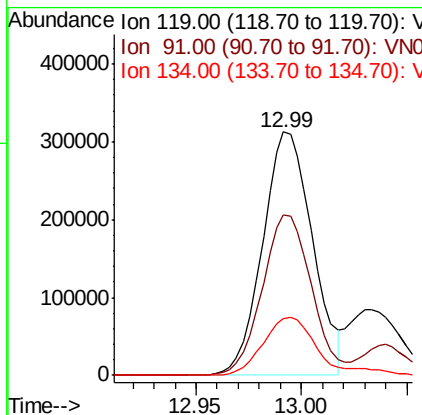
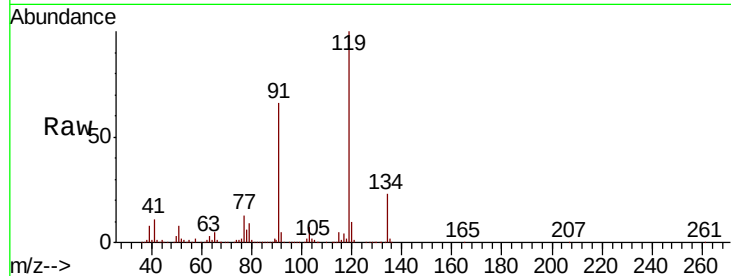
#83
 tert-Butylbenzene
 Concen: 20.803 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.1	96.5
134	24.5	13.3	39.9

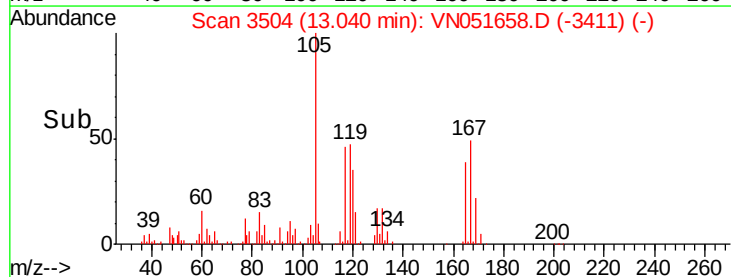
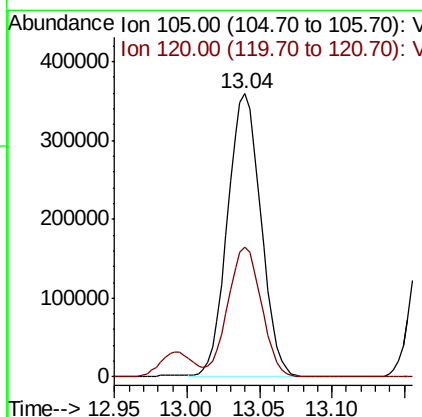
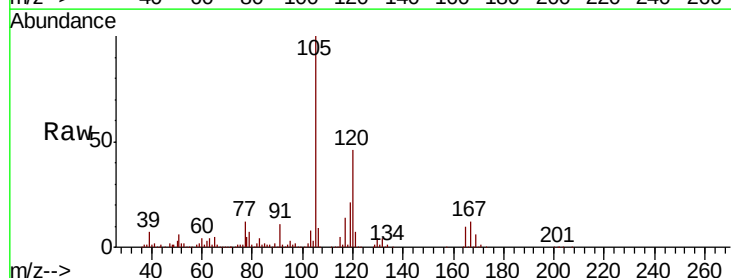
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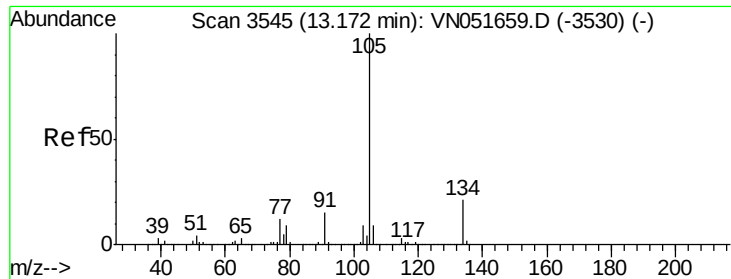
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.795 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.028 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 688249

Ion Ratio Lower Upper

105 100

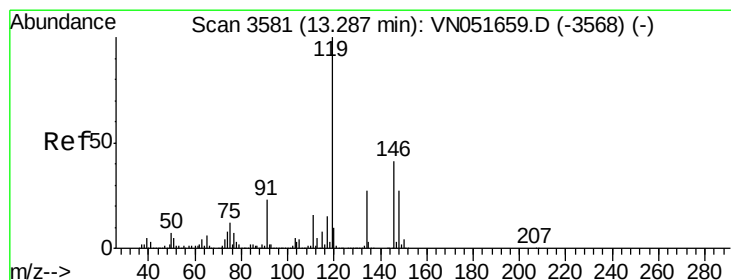
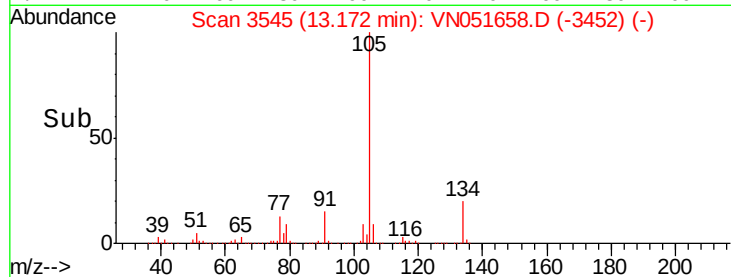
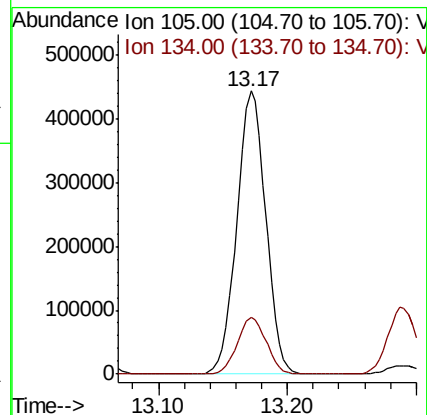
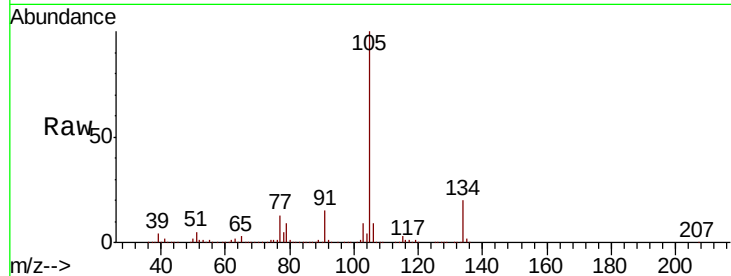
134 20.1 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 20.497 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051658.D

Acq: 4 Oct 2018 11:16

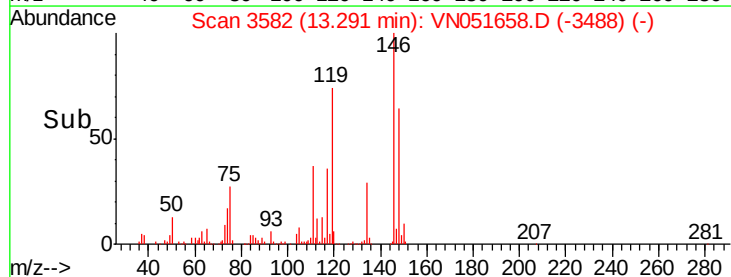
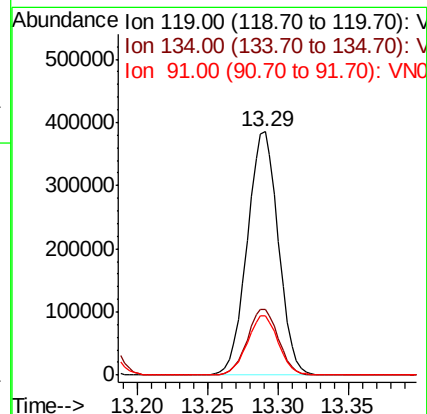
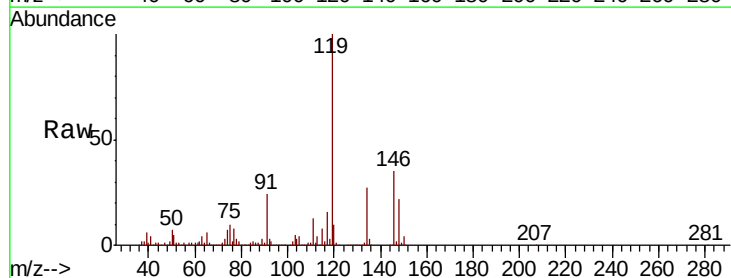
Tgt Ion:119 Resp: 594727

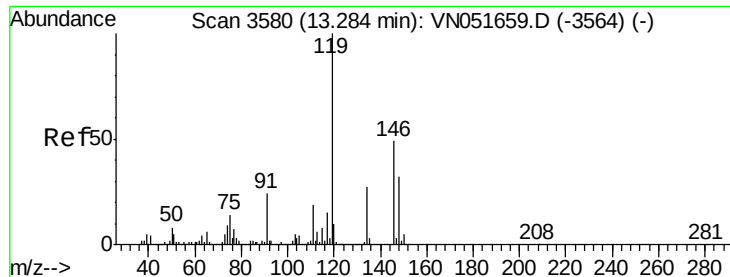
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 24.1 11.7 35.1





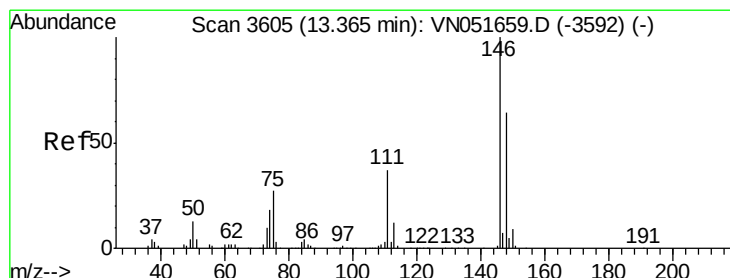
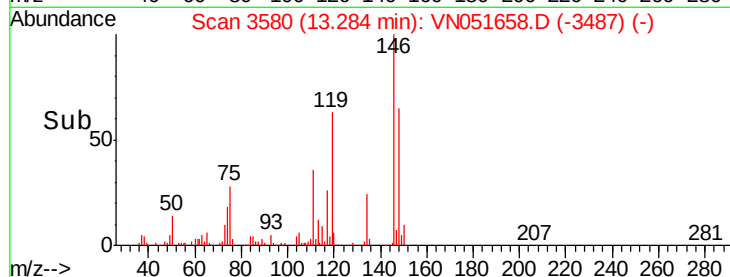
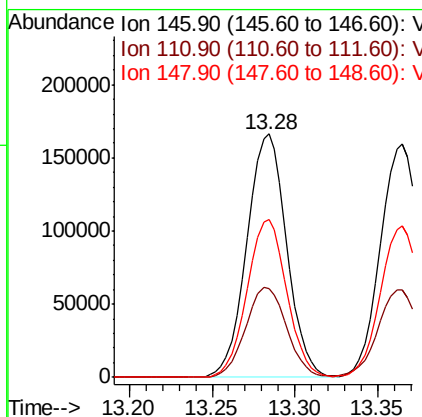
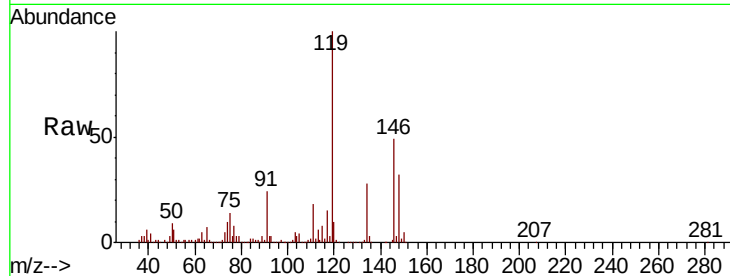
#87
 1,3-Dichlorobenzene
 Concen: 19.949 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.9
148	64.6	32.5	97.5

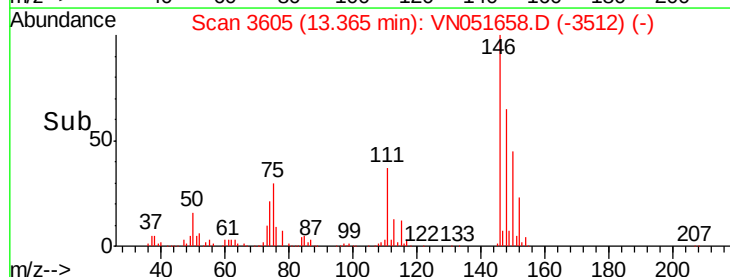
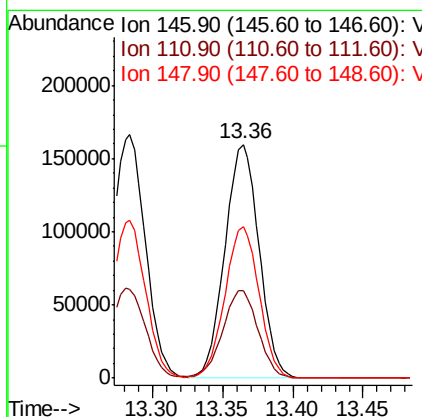
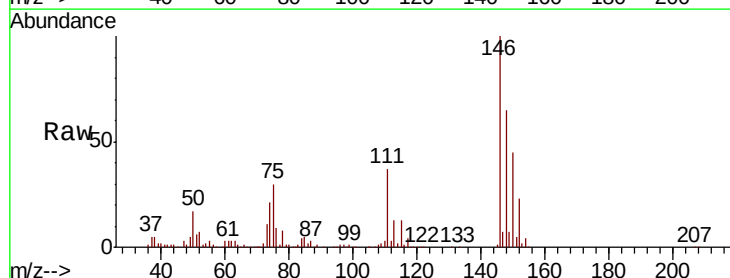
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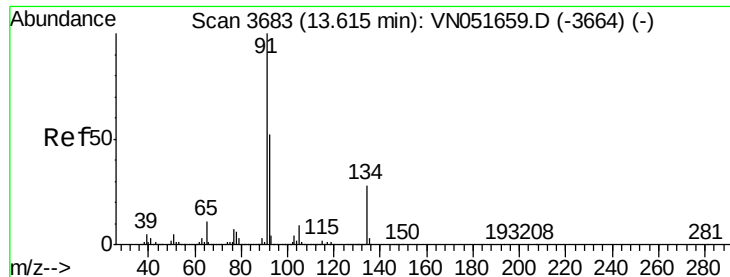
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#88
 1,4-Dichlorobenzene
 Concen: 19.681 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.8
148	64.7	32.3	96.8





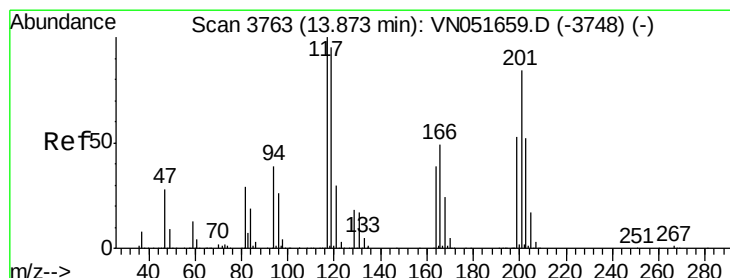
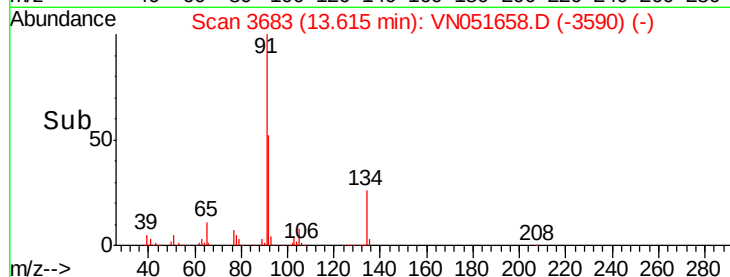
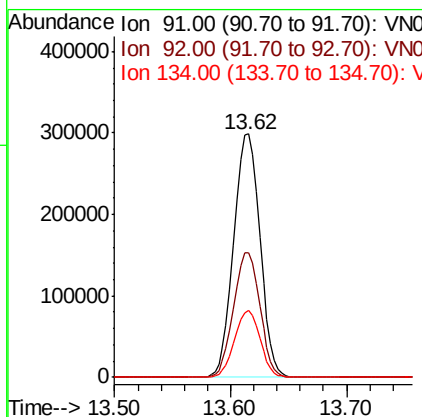
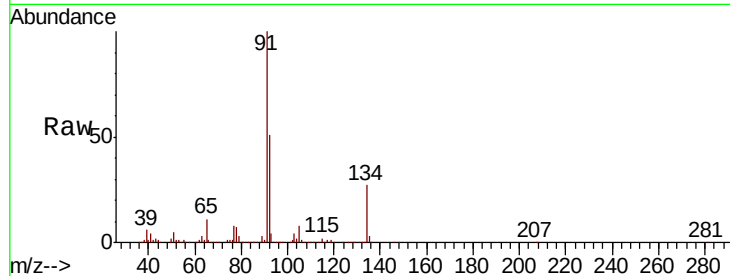
#89
n-Butylbenzene
Concen: 20.319 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	26.8	14.2	42.6

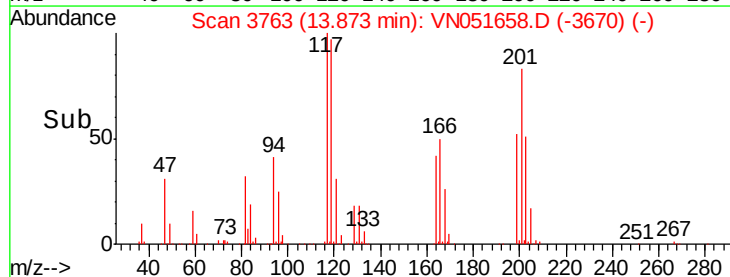
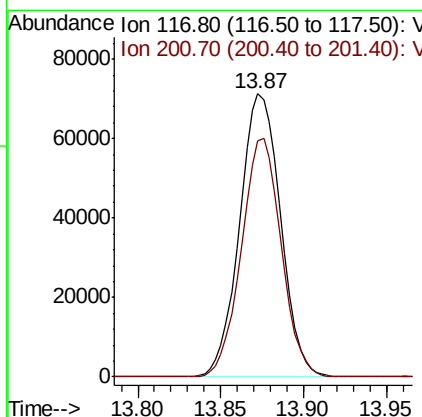
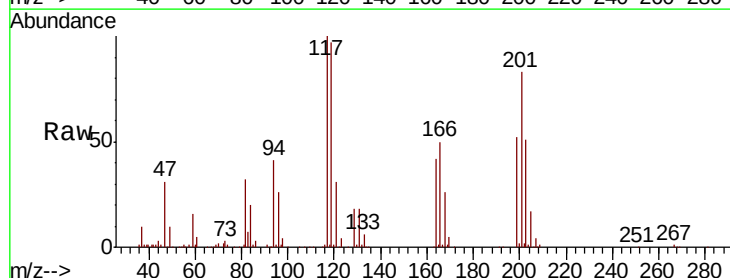
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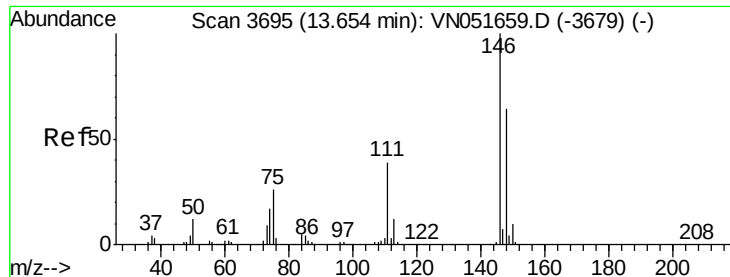
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#90
Hexachloroethane
Concen: 21.185 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	42.4	127.3





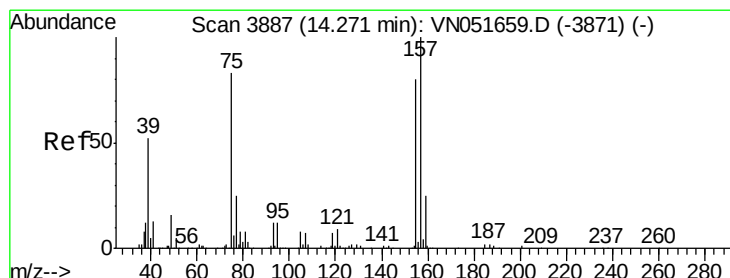
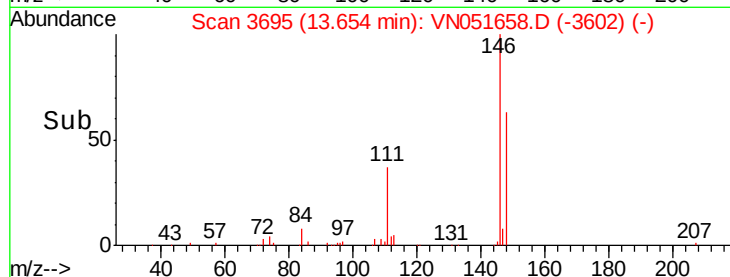
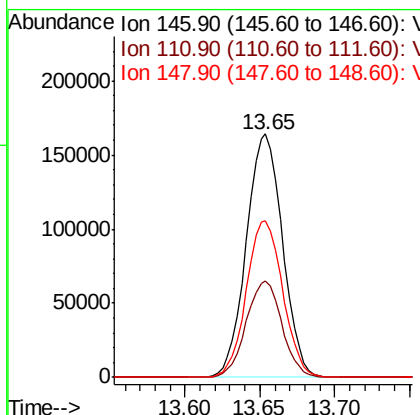
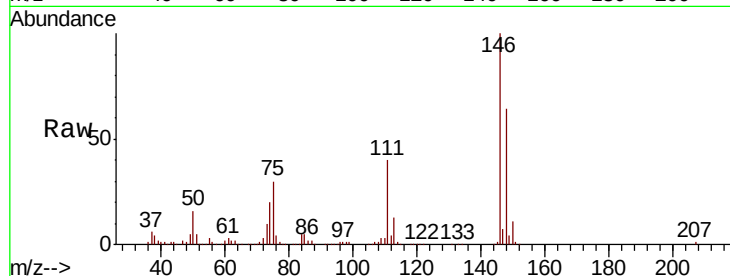
#91
 1,2-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.4	32.1	96.3

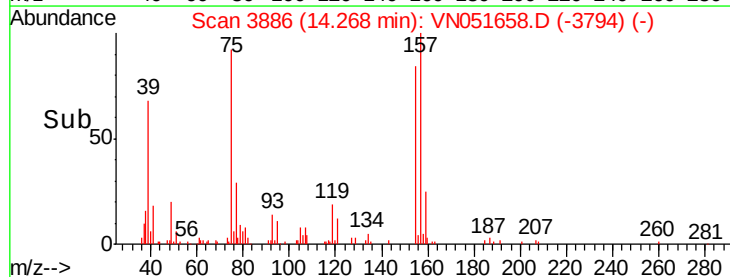
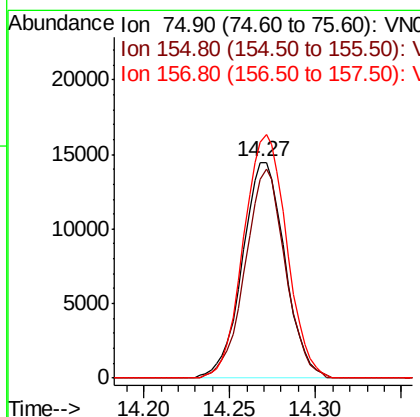
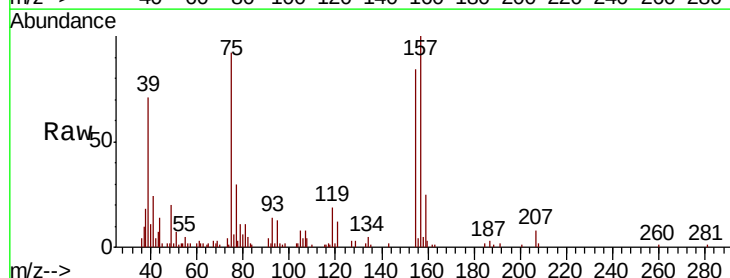
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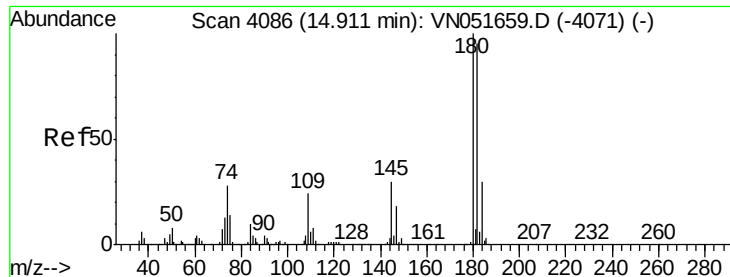
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.528 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051658.D
 Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	47.6	142.9
157	114.2	61.7	185.1





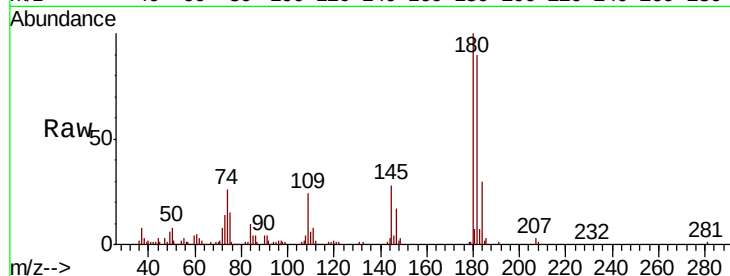
#93
1,2,4-Trichlorobenzene
Concen: 17.198 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106209		
182	93.7	47.7	143.1	
145	28.9	15.3	45.9	

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MMDadoda
10/8/2018 1:53:08 PM

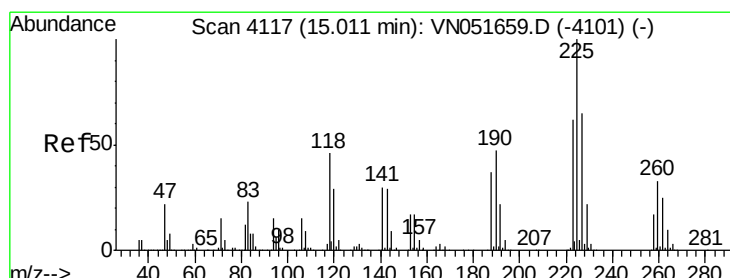
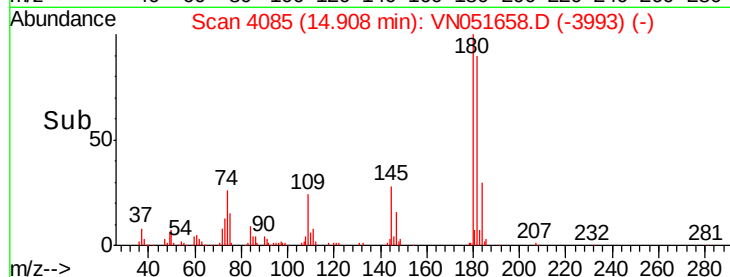
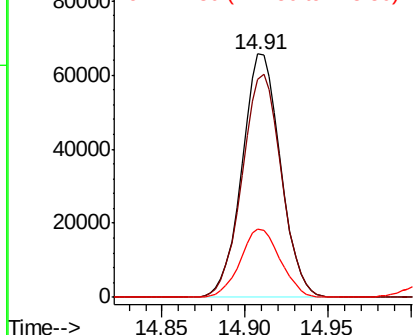


Abundance

Ion 179.80 (179.50 to 180.50): V

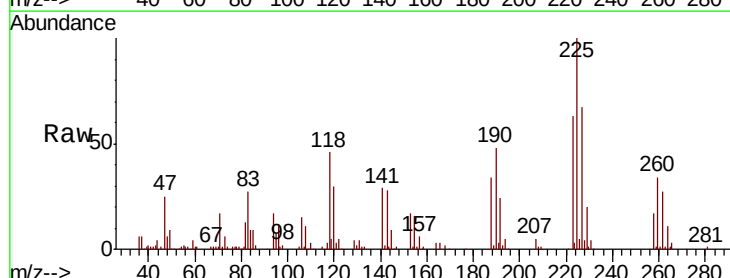
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.358 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85304		
223	60.4	31.9	95.5	
227	64.1	31.7	95.1	

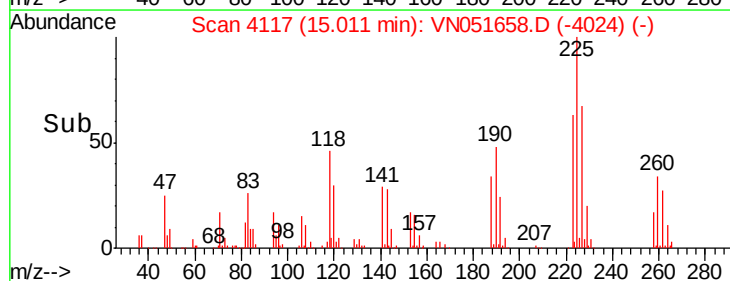
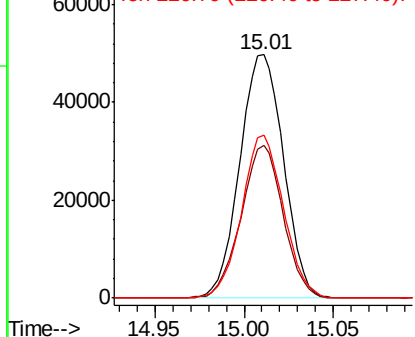


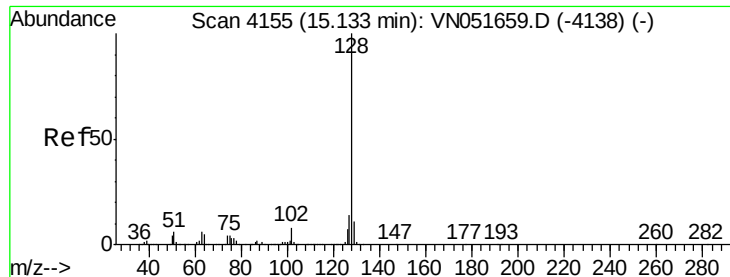
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





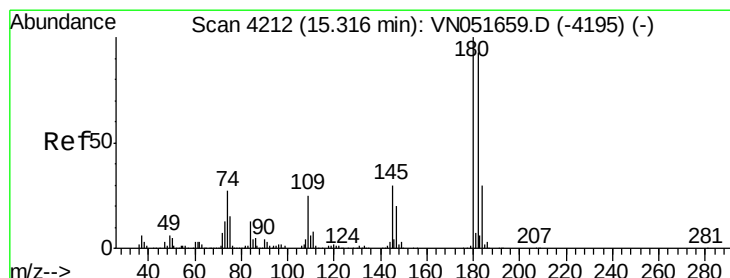
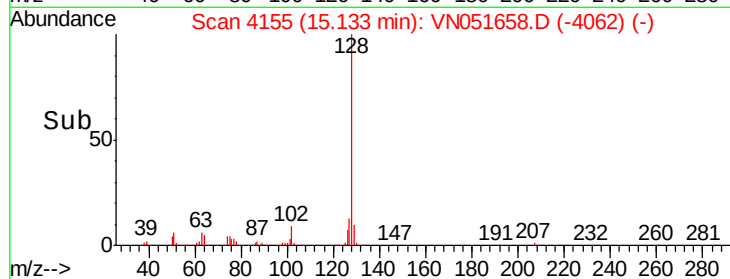
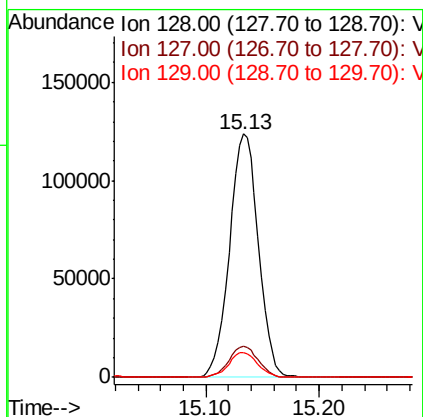
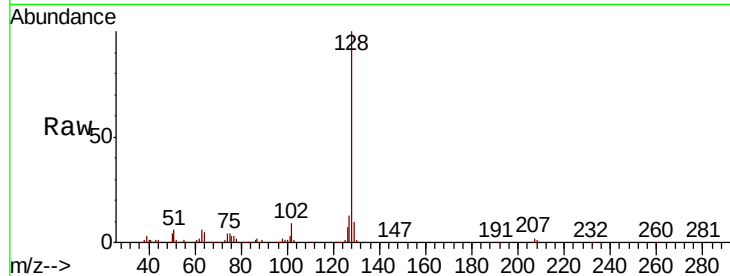
#95
Naphthalene
Concen: 16.430 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	219117
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.4	9.0	13.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.079 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051658.D
Acq: 4 Oct 2018 11:16

Tgt Ion:	180	Resp:	109963
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.3	141.8
145	30.6	15.6	46.8

