

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051610.D
 Acq On : 28 Sep 2018 9:28
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:37 PM

Quant Time: Sep 29 00:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113892	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	613064	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	548990	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	236077	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	270374	32.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.77%
63) Toluene-d8	10.09	98	763979	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1007955	100.845	ug/l 99
3) Chloromethane	2.06	50	1103258	98.637	ug/l 100
4) Vinyl Chloride	2.18	62	1104819	100.690	ug/l 98
5) Bromomethane	2.56	94	557371	97.793	ug/l 100
6) Chloroethane	2.70	64	557747	101.326	ug/l 99
7) Trichlorofluoromethane	3.01	101	1309641	97.689	ug/l 99
8) Diethyl Ether	3.41	74	423202	100.504	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	732456	96.657	ug/l 98
10) 1,1-Dichloroethene	3.74	96	680802	98.997	ug/l 98
11) Methyl Iodide	3.95	142	1015286	114.691	ug/l 99
12) Methyl Acetate	4.33	43	563111	92.781	ug/l 96
13) Acrolein	3.61	56	344460	513.707	ug/l 99
14) Acrylonitrile	4.99	53	1232790	507.189	ug/l 98
15) Acetone	3.82	58	307387	482.329	ug/l 99
16) Carbon Disulfide	4.05	76	2166917	97.781	ug/l 100
17) Allyl chloride	4.33	41	1269109	103.163	ug/l 98
18) Methylene Chloride	4.55	84	757624	95.826	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	724095	99.190	ug/l 98
20) Diisopropyl ether	5.95	45	2482705	101.731	ug/l 97
21) 1,1-Dichloroethane	5.85	63	1408970	97.412	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	804182	100.868	ug/l 99
23) tert-Butyl Alcohol	4.79	59	231176	499.086	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1869011	103.410	ug/l 99
25) Chloroform	7.37	83	1346812	97.385	ug/l 99
26) Cyclohexane	7.65	56	1328097	106.106	ug/l 99
29) 1,1-Dichloropropene	7.80	75	1083976	103.691	ug/l 99
30) 2-Butanone	6.84	43	1462683	514.088	ug/l 99
31) 2,2-Dichloropropane	6.83	77	1139466	100.992	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1170928	99.688	ug/l 99
33) Carbon Tetrachloride	7.78	117	1070466	101.399	ug/l 99
34) Benzene	8.04	78	3118404	100.545	ug/l # 92
35) Methacrylonitrile	7.18	41	314325	95.308	ug/l 96
36) 1,2-Dichloroethane	8.13	62	982496	99.382	ug/l 100
37) Trichloroethene	8.84	130	800797	100.566	ug/l 100
38) Methylcyclohexane	9.08	83	1312705	108.821	ug/l 97
39) 1,2-Dichloropropane	9.12	63	849177	99.921	ug/l 100
40) Dibromomethane	9.21	93	471337	99.840	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1039320	100.856	ug/l	98
42) Vinyl Acetate	5.90	43	8506511	537.039	ug/l	99
43) Ethyl Acetate	6.93	43	625594	103.878	ug/l	100
44) Isopropyl Acetate	8.17	43	1196600	101.476	ug/l	99
45) 1,4-Dioxane	9.20	88	135664	2129.620	ug/l	99
46) Methyl methacrylate	9.20	41	595274	108.518	ug/l	97
47) n-amyl Acetate	12.07	43	1025011	116.176	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1092257	106.198	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1261571	104.915	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	655555	98.261	ug/l	98
51) Ethyl methacrylate	10.43	69	900053	111.192	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1157525	101.191	ug/l	99
53) Dibromochloromethane	10.90	129	780494	102.717	ug/l	99
54) 1,2-Dibromoethane	11.01	107	654749	102.279	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	2246375	561.458	ug/l	100
56) Bromoform	12.13	173	531581	105.432	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	3132733	502.602	ug/l	100
59) 2-Hexanone	10.75	43	2141267	522.193	ug/l	97
61) Tetrachloroethene	10.63	164	751387	96.671	ug/l	98
62) Toluene	10.16	91	3341482	99.264	ug/l	99
64) Chlorobenzene	11.43	112	2056189	101.026	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	768003	98.819	ug/l	99
66) Ethyl Benzene	11.51	91	3671997	106.583	ug/l	100
67) m/p-Xylenes	11.62	106	2826256	212.853	ug/l	100
68) o-Xylene	11.95	106	1350695	106.563	ug/l	97
69) Styrene	11.96	104	2187076	109.933	ug/l	99
70) Isopropylbenzene	12.25	105	3611621	106.820	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	809651	98.979	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	690224m	102.411	ug/l	
73) Bromobenzene	12.53	156	875657	104.072	ug/l	97
74) n-propylbenzene	12.59	91	4249249	107.958	ug/l	99
75) 2-Chlorotoluene	12.68	91	2447724	104.142	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	3016530	106.774	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	253175	114.301	ug/l	96
78) 4-Chlorotoluene	12.77	91	2504397	107.870	ug/l	99
79) tert-butylbenzene	12.99	119	2629493	107.431	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	3047058	107.982	ug/l	100
81) sec-Butylbenzene	13.17	105	3625513	107.231	ug/l	100
82) p-Isopropyltoluene	13.29	119	3190034	110.393	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1578564	107.668	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1518703	110.197	ug/l	99
85) n-Butylbenzene	13.62	91	2777132	117.084	ug/l	99
86) Hexachloroethane	13.88	117	589458	101.987	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1508807	105.199	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	125234	105.041	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	865450	128.923	ug/l	98
90) Hexachlorobutadiene	15.01	225	538223	98.346	ug/l	98
91) Naphthalene	15.13	128	1698785	134.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	822245	121.789	ug/l	100

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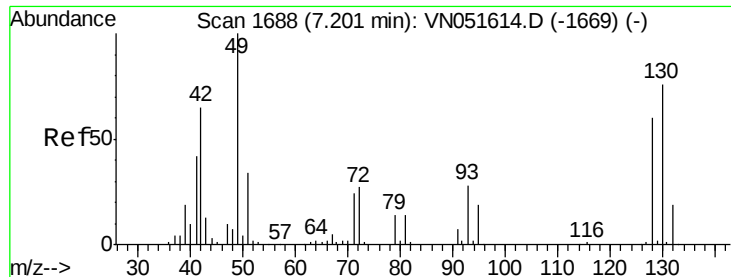
Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:37 PM

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

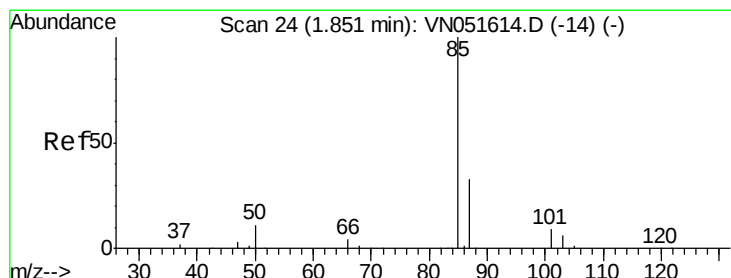
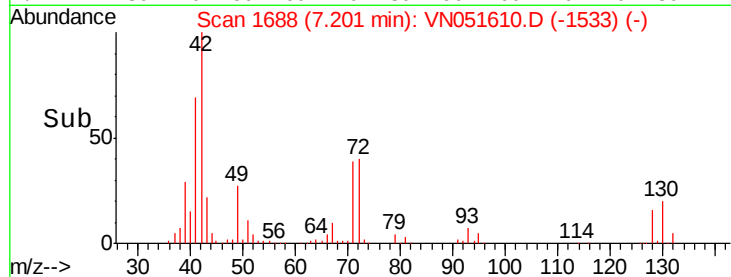
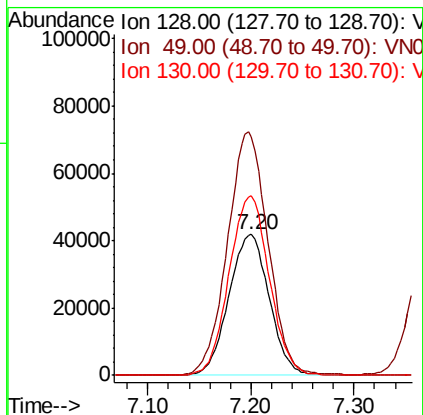
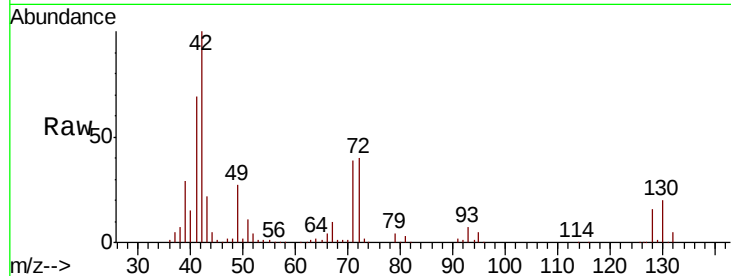
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	113892
Ion	Ratio	Lower	Upper
128	100		
49	173.3	0.0	426.8
130	127.1	0.0	326.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 100.845 ug/l

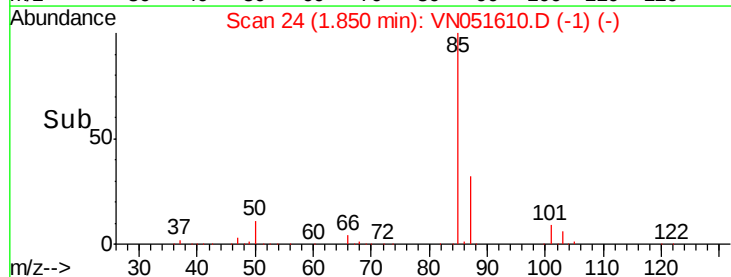
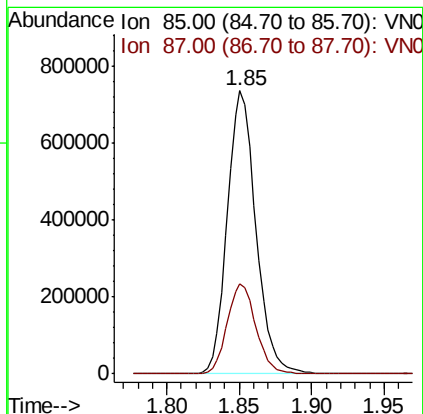
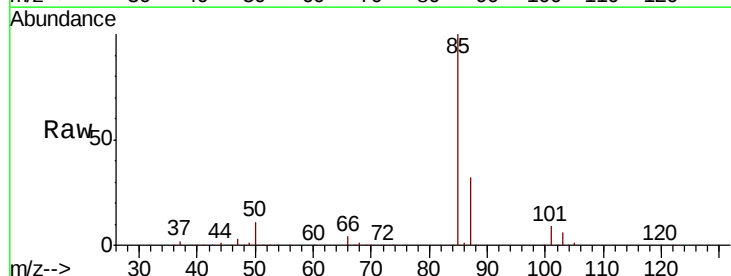
RT: 1.85 min Scan# 24

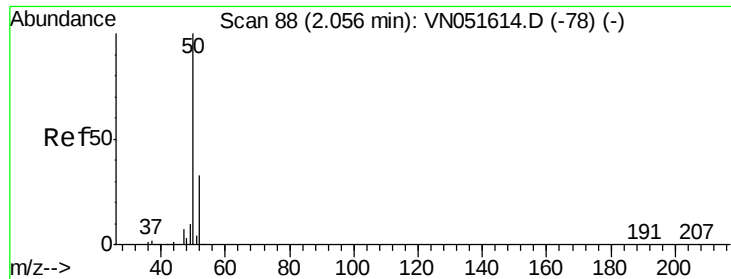
Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion:	85	Resp:	1007955
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.8





#3

Chloromethane

Concen: 98.637 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1103258

Ion Ratio Lower Upper

50 100

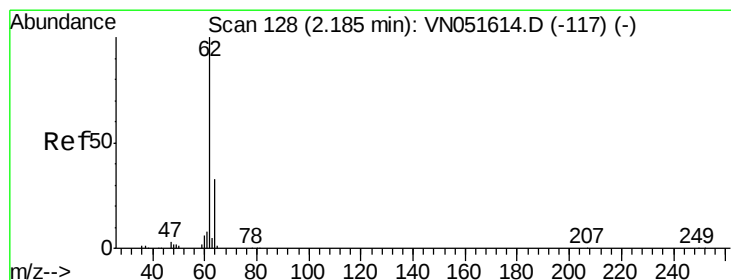
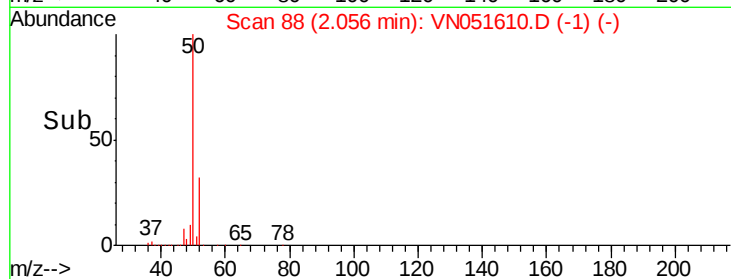
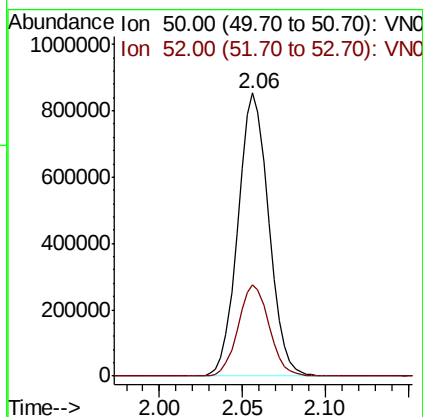
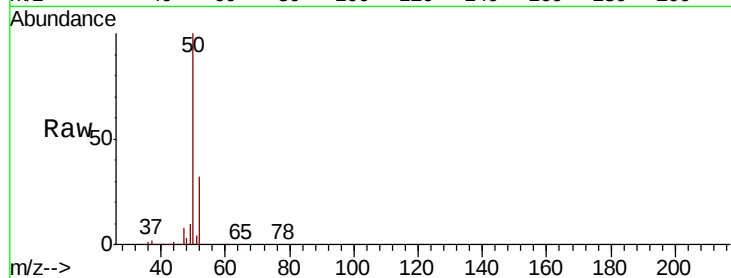
52 32.3 26.0 39.0

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 100.690 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051610.D

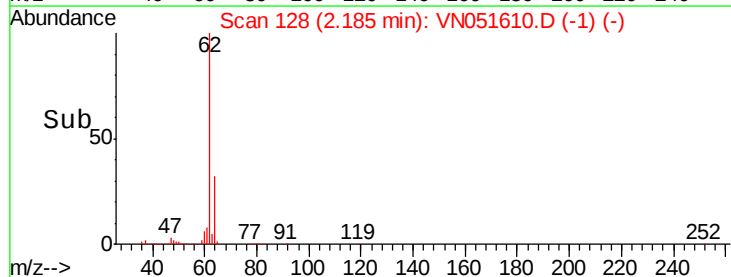
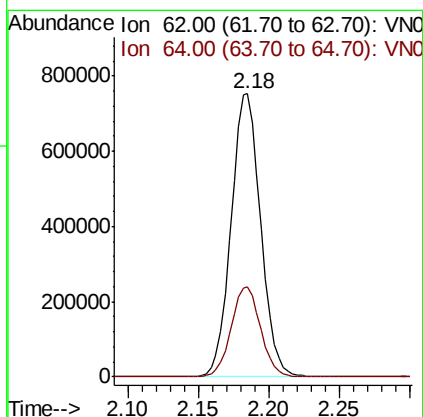
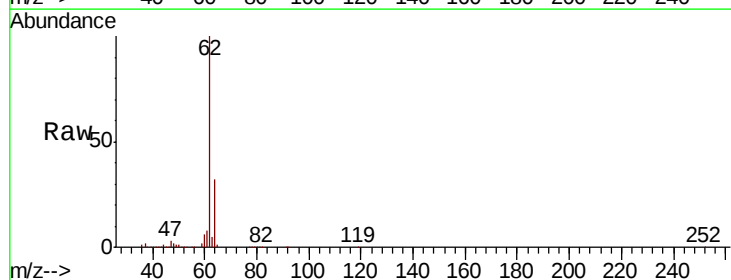
Acq: 28 Sep 2018 9:28

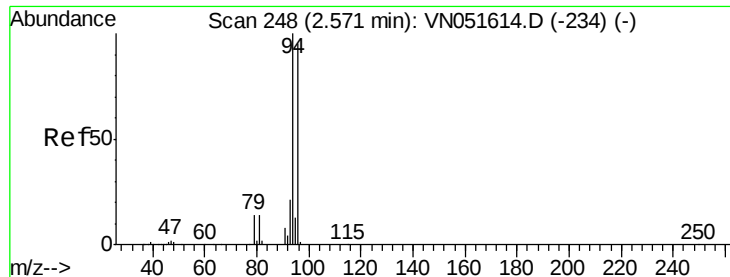
Tgt Ion: 62 Resp: 1104819

Ion Ratio Lower Upper

62 100

64 31.8 26.3 39.5





#5

Bromomethane

Concen: 97.793 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 557371

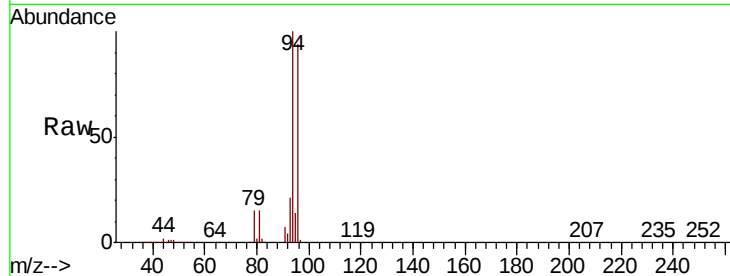
Ion Ratio Lower Upper

94 100

96 94.2 75.8 113.6

Manual Integrations
APPROVED

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10/3/2018 5:27:37 PM



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

2.56

300000

250000

200000

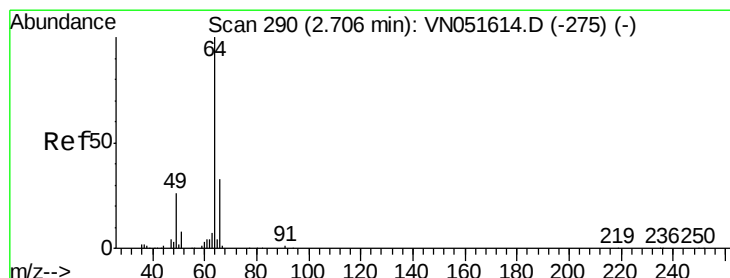
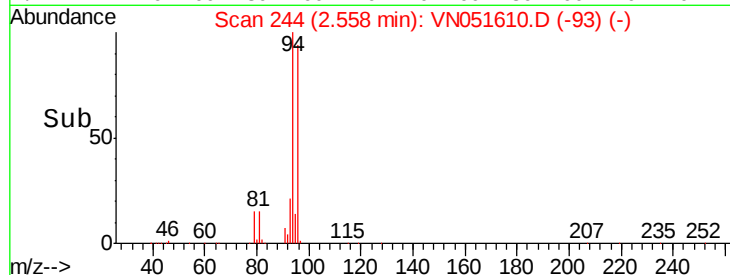
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 101.326 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN051610.D

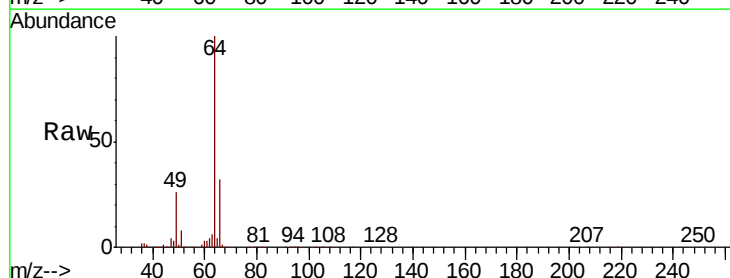
Acq: 28 Sep 2018 9:28

Tgt Ion: 64 Resp: 557747

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

2.70

300000

250000

200000

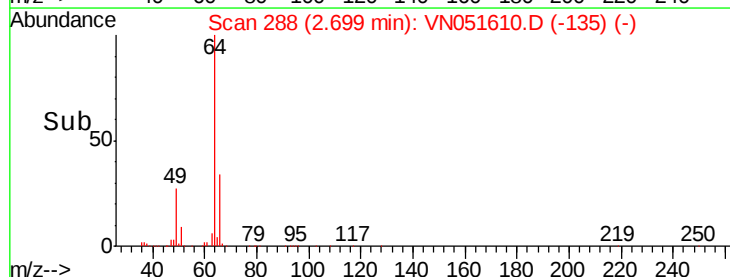
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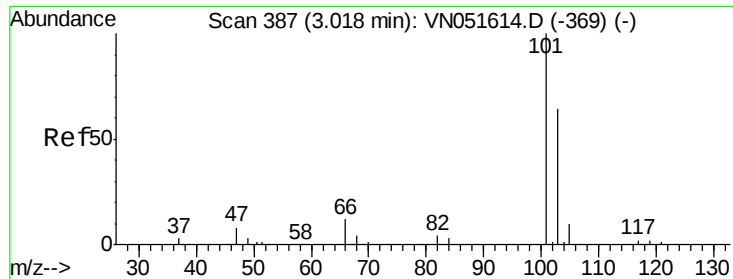
100000

50000

0

Time-->





#7

Trichlorofluoromethane

Concen: 97.689 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 1309641

Ion Ratio Lower Upper

101 100

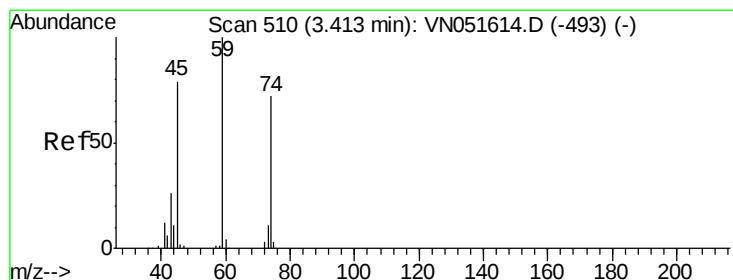
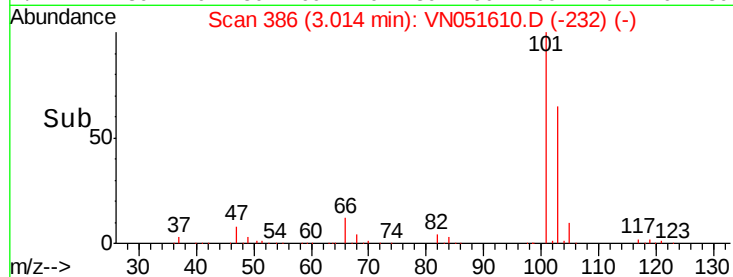
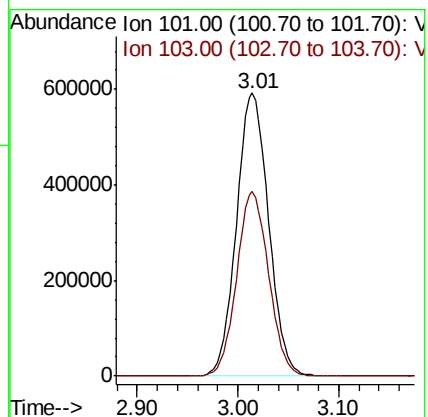
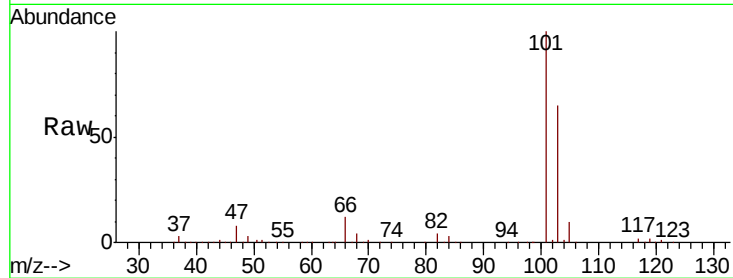
103 65.1 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

10/3/2018 5:27:37 PM



#8

Diethyl Ether

Concen: 100.504 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN051610.D

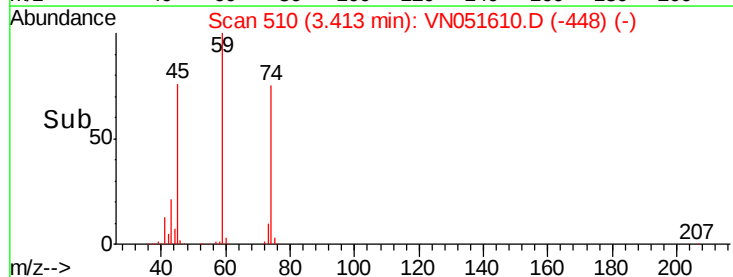
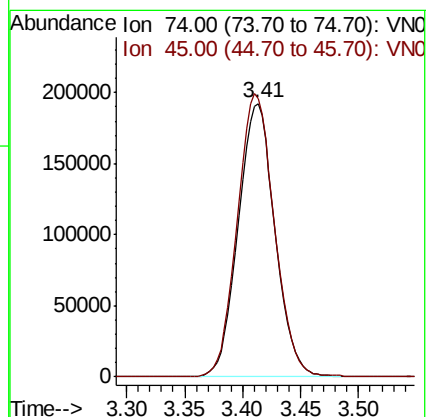
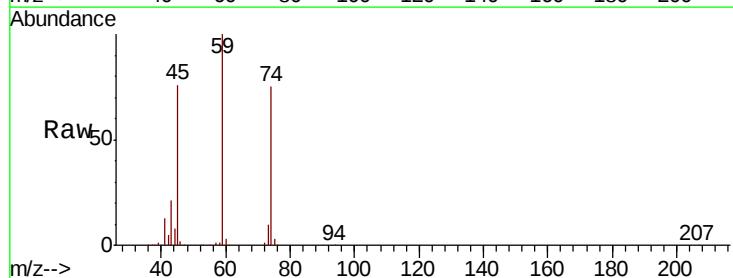
Acq: 28 Sep 2018 9:28

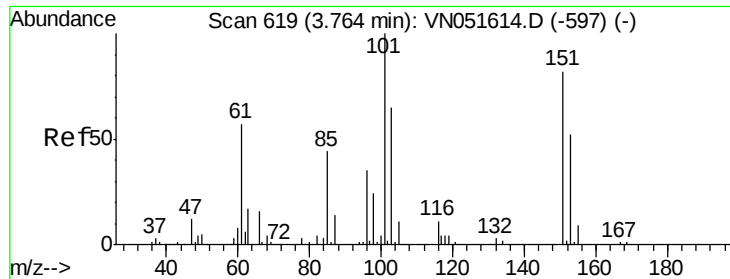
Tgt Ion: 74 Resp: 423202

Ion Ratio Lower Upper

74 100

45 104.7 21.3 191.5





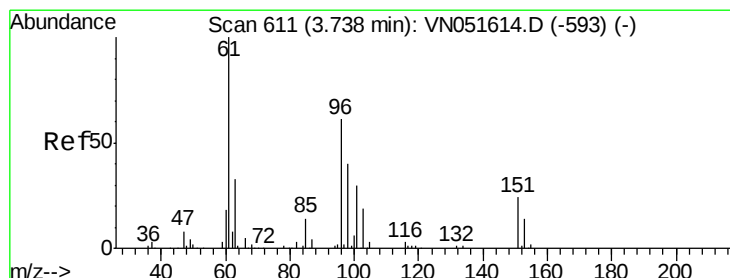
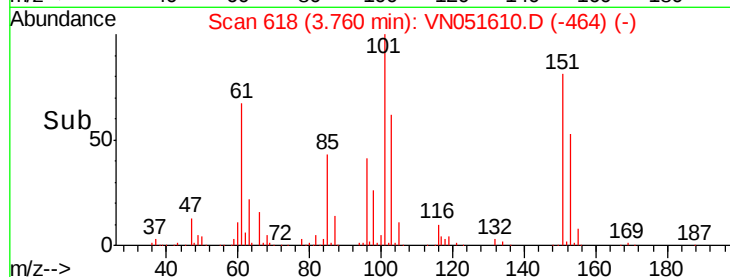
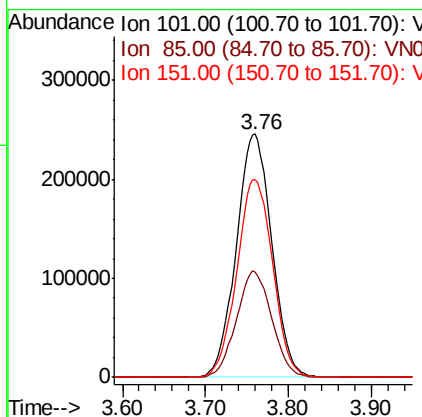
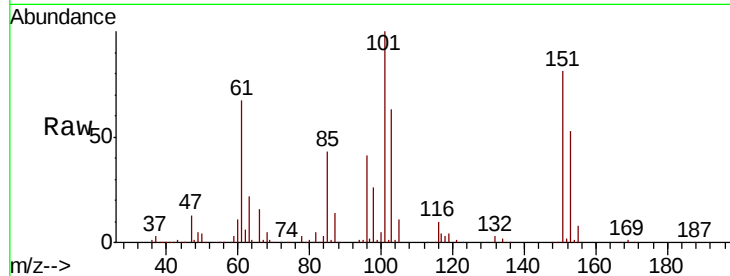
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 96.657 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051610.D
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 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	43.4	0.0	89.4
151	82.2	0.0	167.6

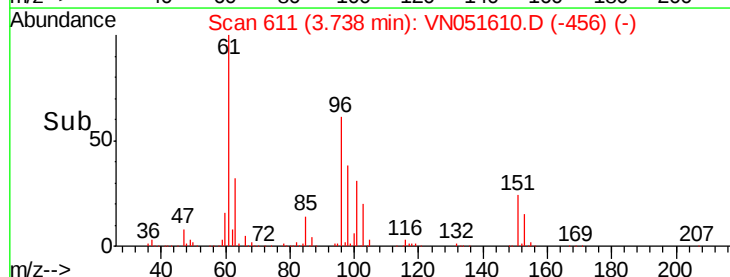
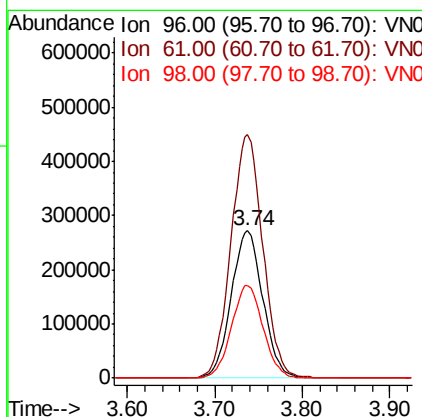
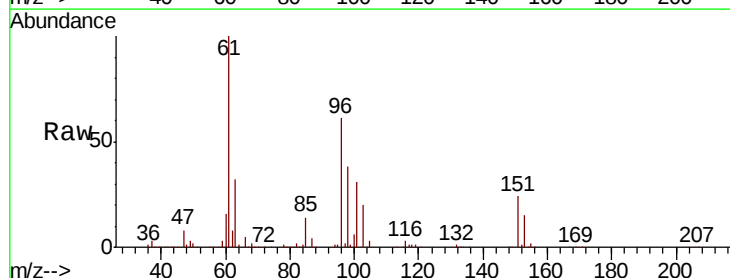
Manual Integrations
 APPROVED

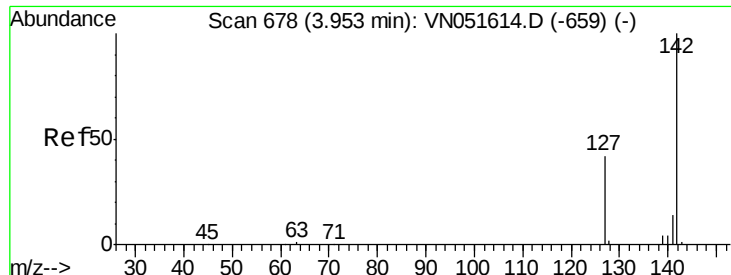
MMDadoda
 10/3/2018 5:27:37 PM



#10
 1,1-Dichloroethene
 Concen: 98.997 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	164.9	131.0	196.4
98	63.2	52.7	79.1





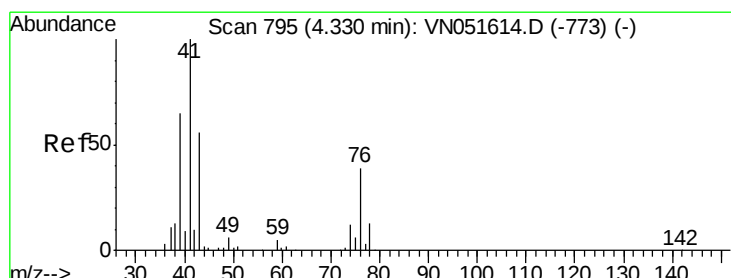
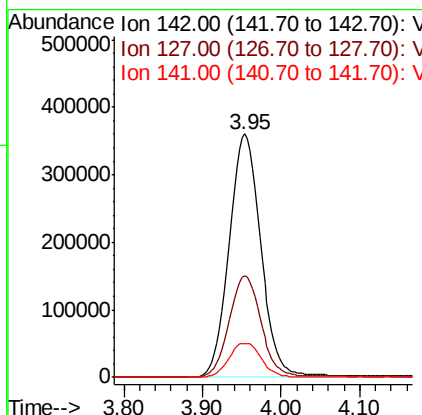
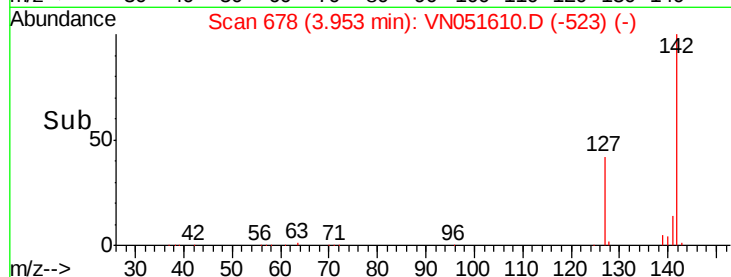
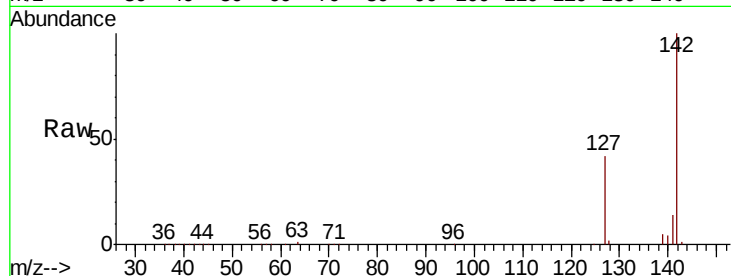
#11
Methyl Iodide
Concen: 114.691 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	21.1	63.1
141	13.9	7.1	21.4

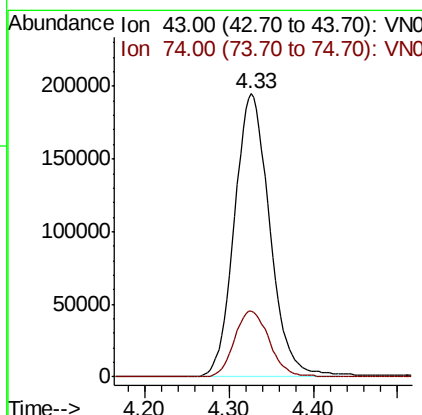
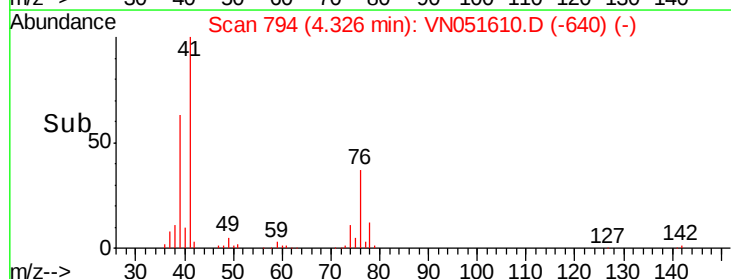
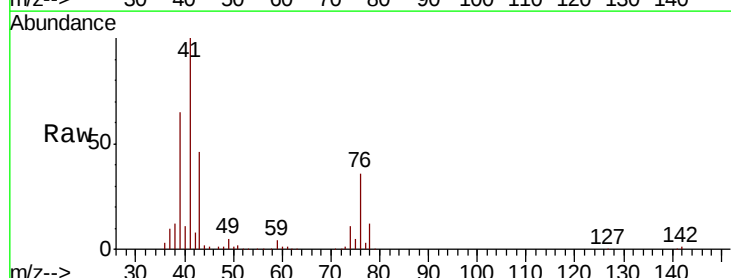
Manual Integrations
APPROVED

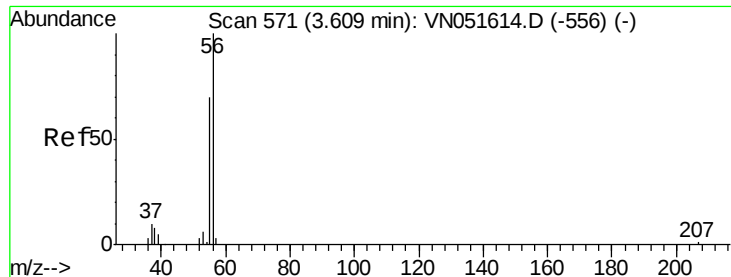
MMDadoda
10/3/2018 5:27:37 PM



#12
Methyl Acetate
Concen: 92.781 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.0	25.4





#13

Acrolein

Concen: 513.707 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 344460

Ion Ratio Lower Upper

56 100

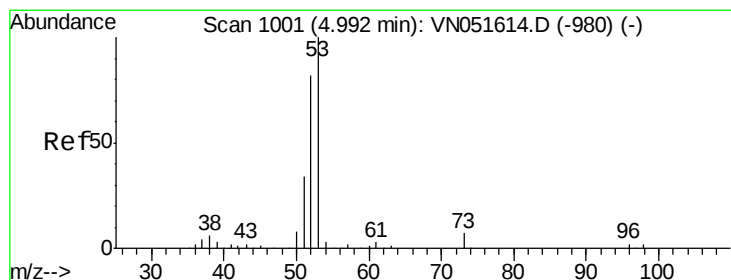
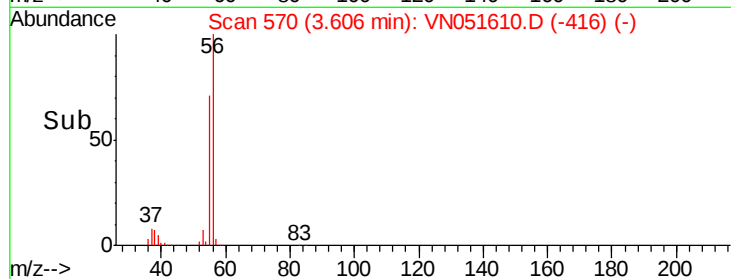
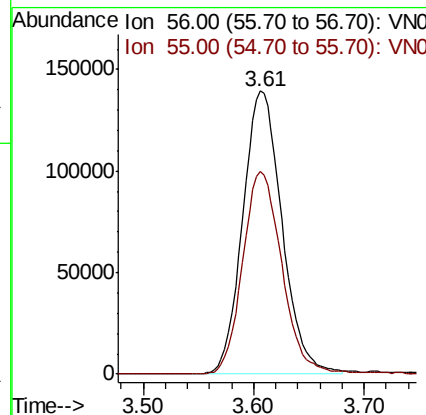
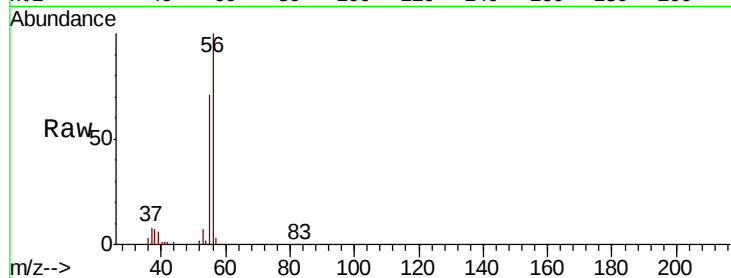
55 70.5 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

10/3/2018 5:27:37 PM



#14

Acrylonitrile

Concen: 507.189 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

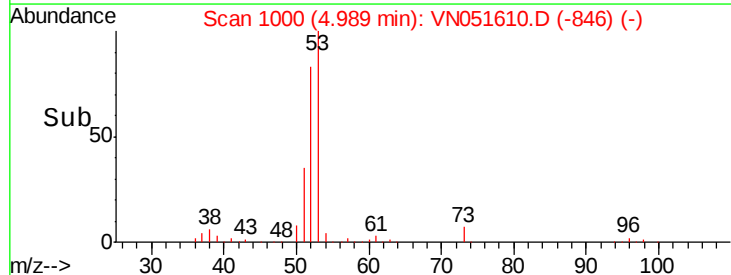
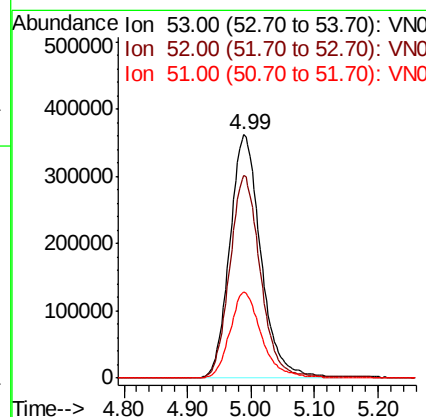
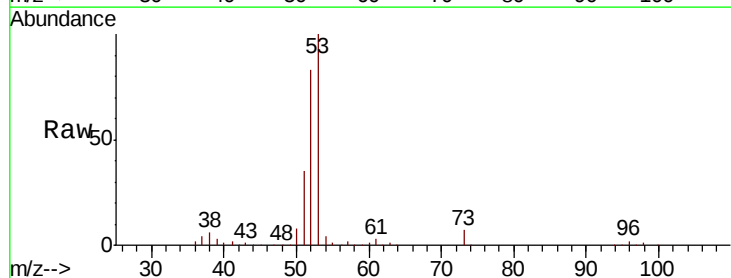
Tgt Ion: 53 Resp: 1232790

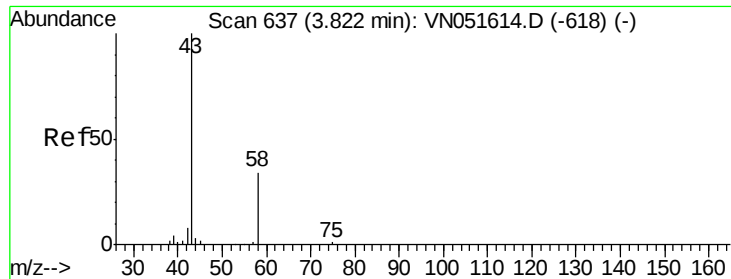
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.7

51 35.8 17.1 51.2





#15

Acetone

Concen: 482.329 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 307387

Ion Ratio Lower Upper

58 100

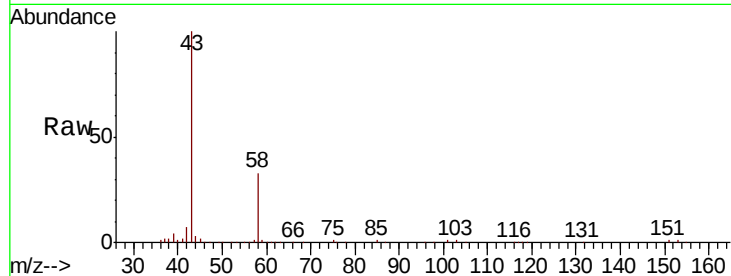
43 299.6 238.0 357.0

Manual Integrations

APPROVED

MMDadoda

10/3/2018 5:27:37 PM



Abundance Ion 58.00 (57.70 to 58.70): VN051610.D (-482) (-)

Ion 43.00 (42.70 to 43.70): VN051610.D (-482) (-)

400000

300000

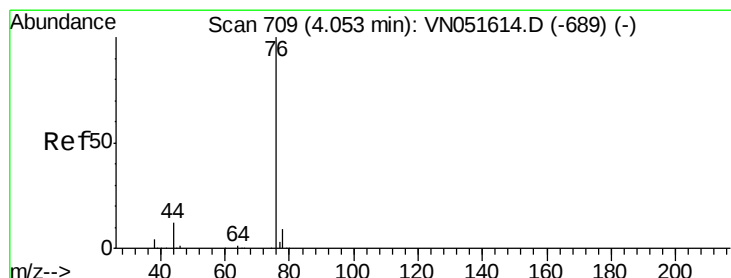
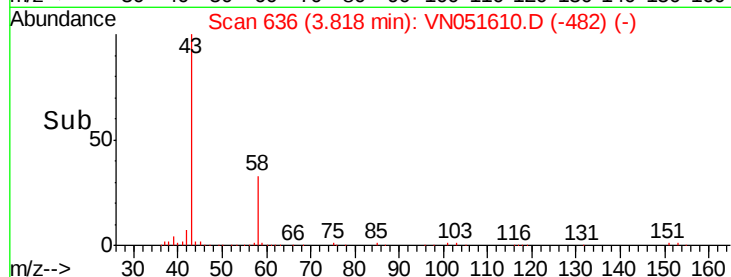
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 97.781 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051610.D

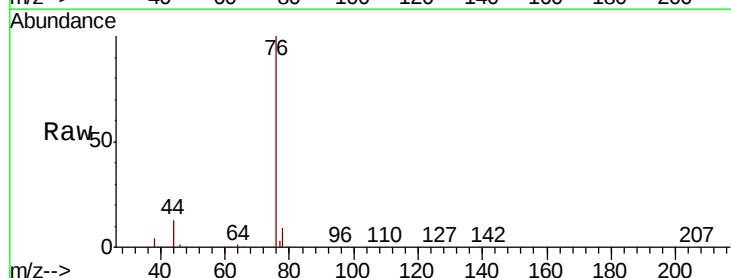
Acq: 28 Sep 2018 9:28

Tgt Ion: 76 Resp: 2166917

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051610.D (-554) (-)

Ion 78.00 (77.70 to 78.70): VN051610.D (-554) (-)

800000

600000

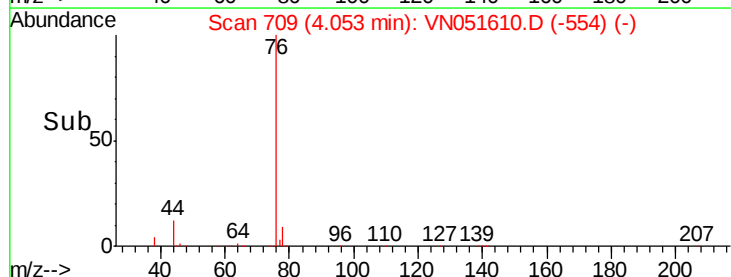
400000

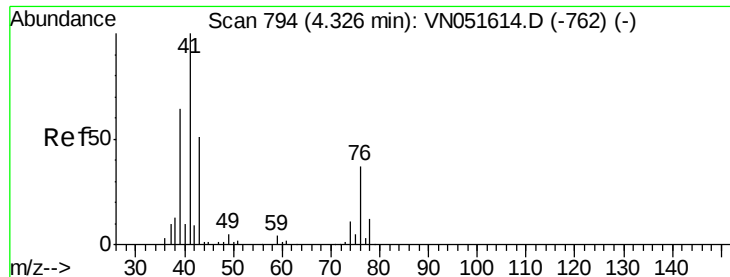
200000

0

3.90 4.00 4.10 4.20

Time-->





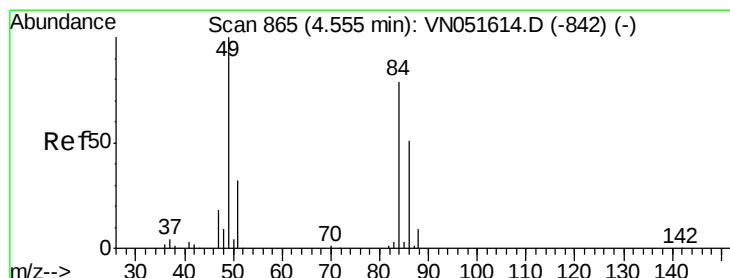
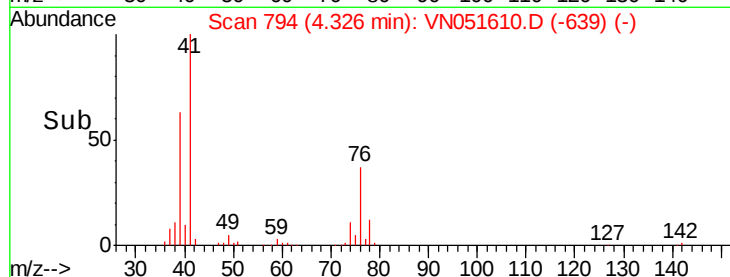
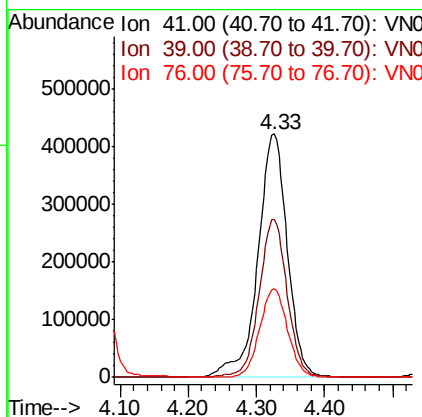
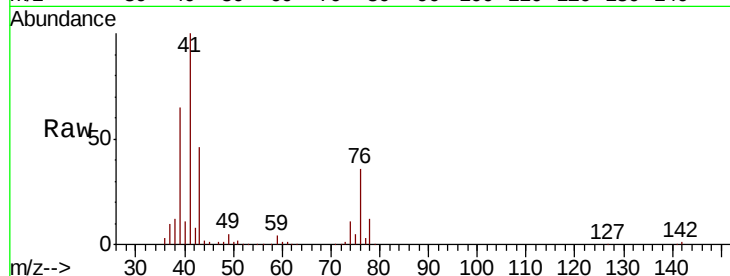
#17
Allvl chloride
Concen: 103.163 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	31.9	95.9
76	36.1	18.6	56.0

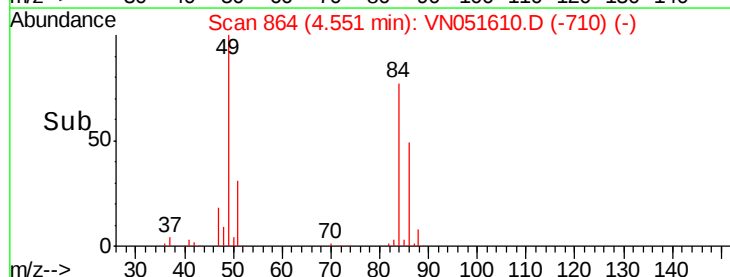
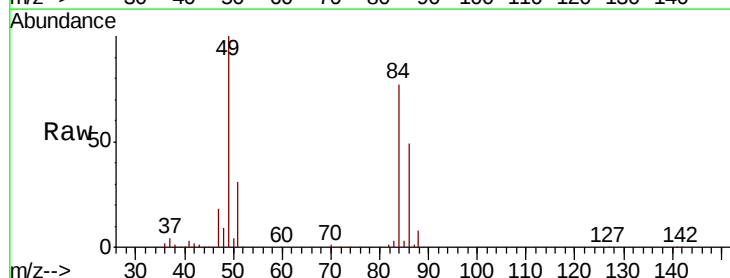
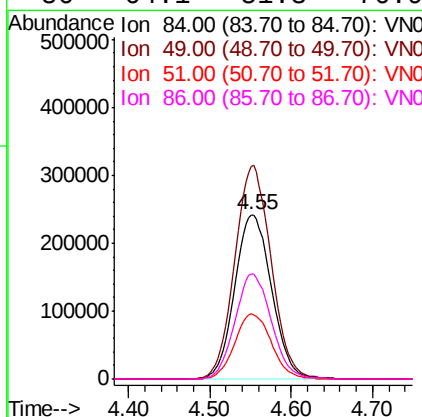
Manual Integrations
APPROVED

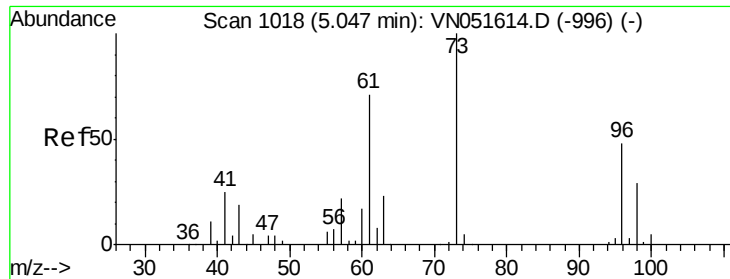
MMDadoda
10/3/2018 5:27:37 PM



#18
Methylene Chloride
Concen: 95.826 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.4	100.9	151.3
51	39.5	32.5	48.7
86	64.1	51.3	76.9





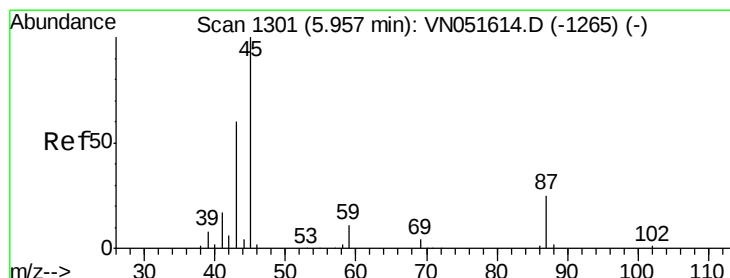
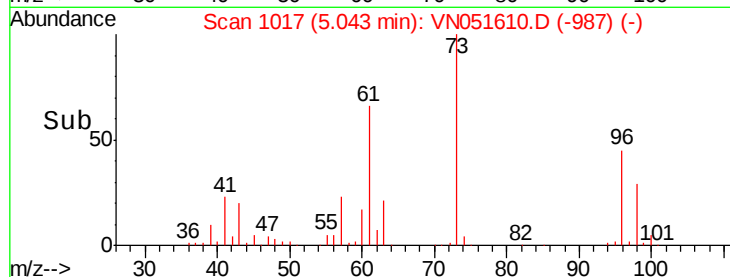
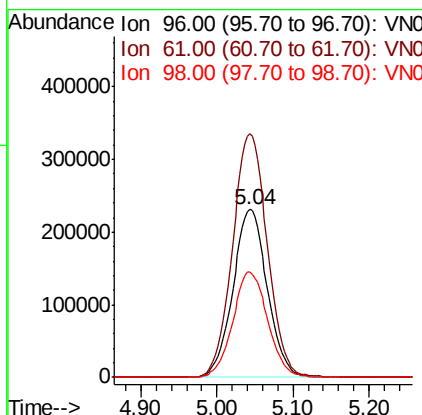
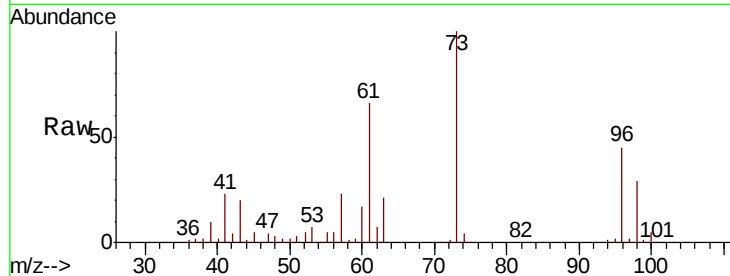
#19
trans-1,2-Dichloroethene
Concen: 99.190 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	118.0	177.0
98	62.8	49.0	73.4

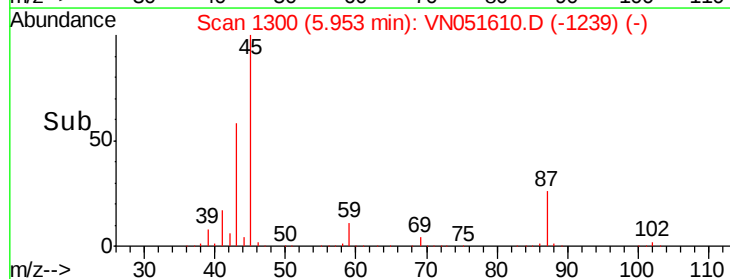
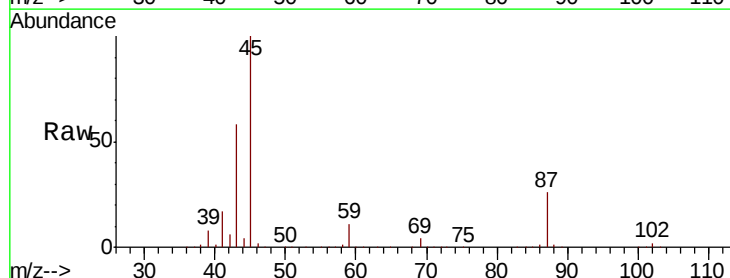
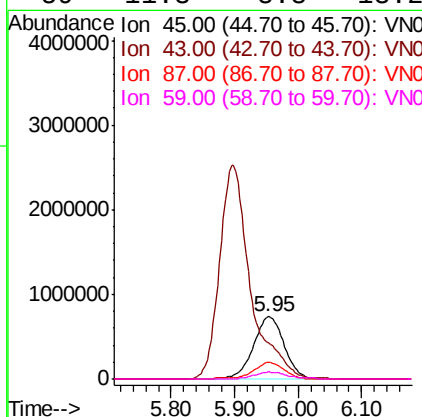
Manual Integrations
APPROVED

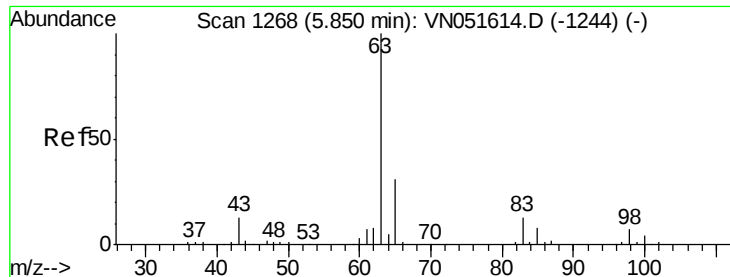
MMDadoda
10/3/2018 5:27:37 PM



#20
Diisopropyl ether
Concen: 101.731 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.3	72.5
87	26.1	20.8	31.2
59	11.3	8.8	13.2





#21

1,1-Dichloroethane

Concen: 97.412 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1408970

Ion Ratio Lower Upper

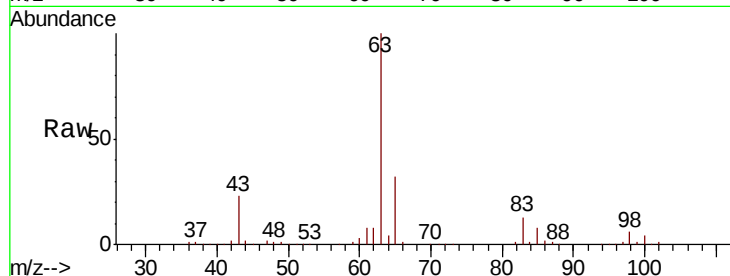
63 100

98 6.1 3.3 9.9

100 4.0 2.0 5.8

Manual Integrations
APPROVED

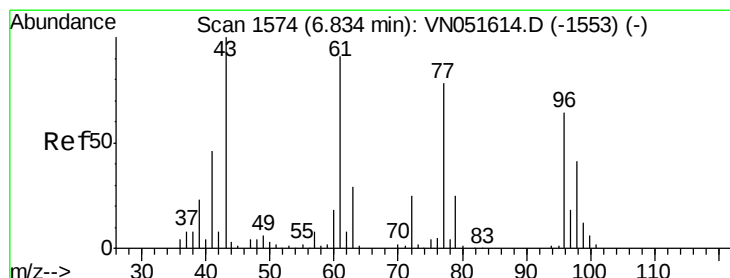
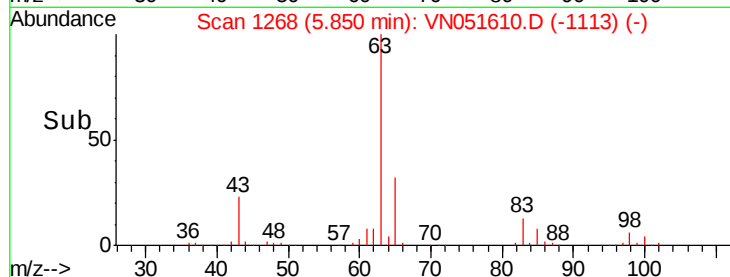
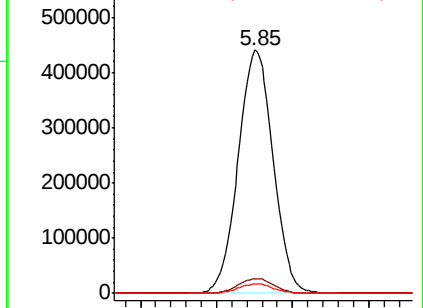
MMDadoda
10/3/2018 5:27:37 PM



Abundance Ion 63.00 (62.70 to 63.70): VN051610.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051610.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051610.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 100.868 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

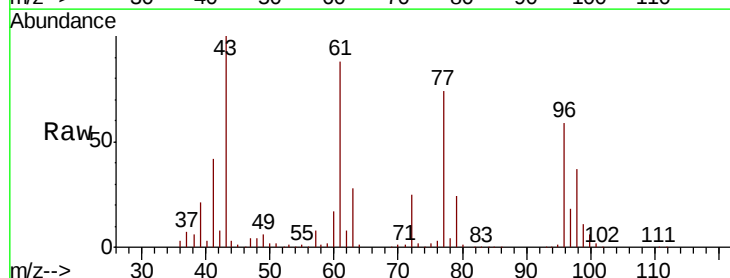
Tgt Ion: 96 Resp: 804182

Ion Ratio Lower Upper

96 100

61 152.3 120.4 180.6

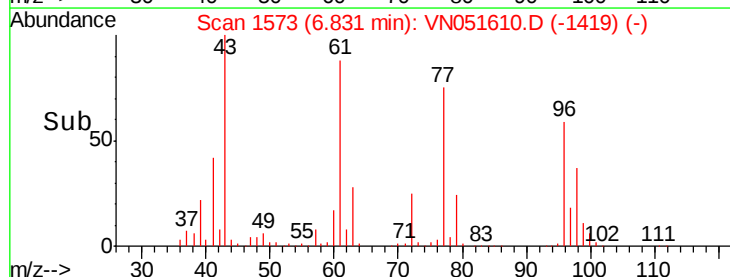
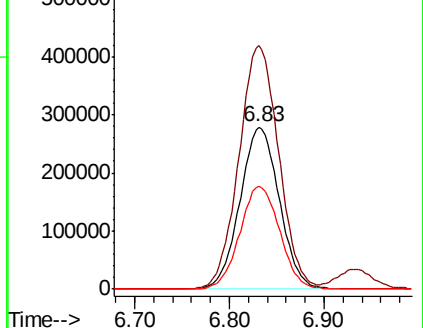
98 64.4 51.4 77.0

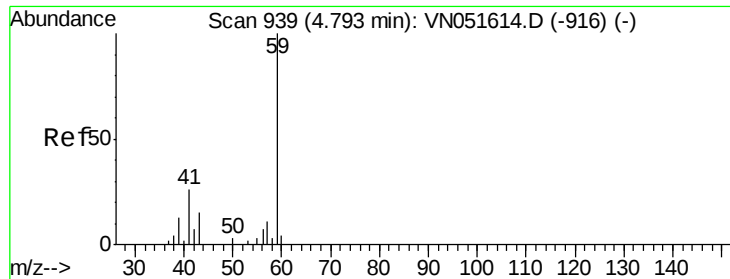


Abundance Ion 96.00 (95.70 to 96.70): VN051610.D (-1419) (-)

Ion 61.00 (60.70 to 61.70): VN051610.D (-1419) (-)

Ion 98.00 (97.70 to 98.70): VN051610.D (-1419) (-)





#23

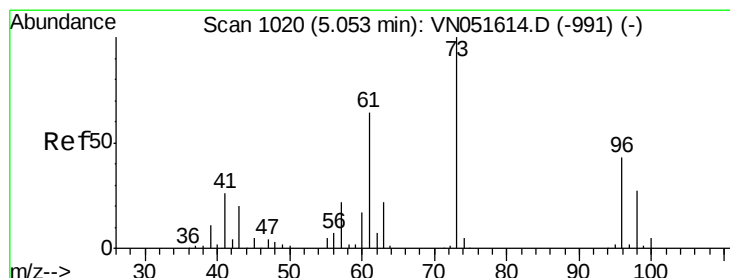
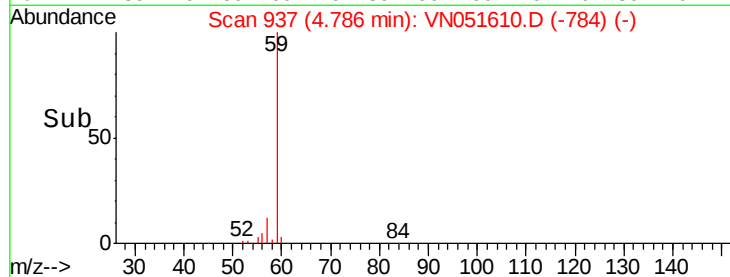
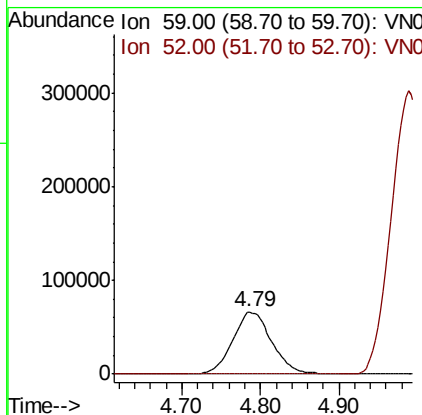
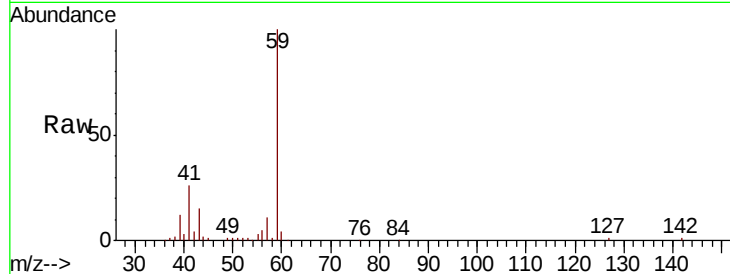
tert-Butyl Alcohol
Concen: 499.086 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 231176
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

Manual Integrations
APPROVED

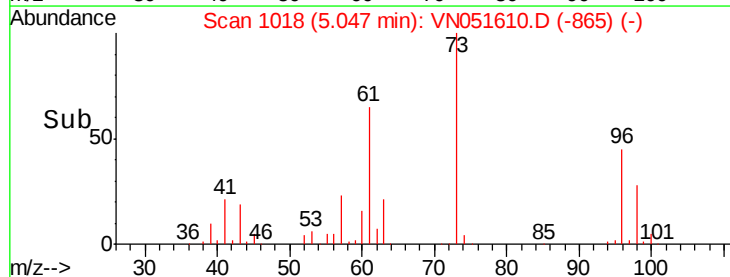
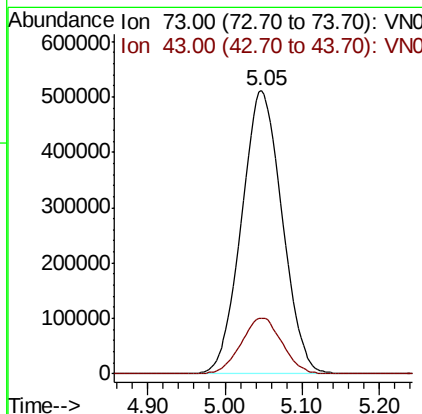
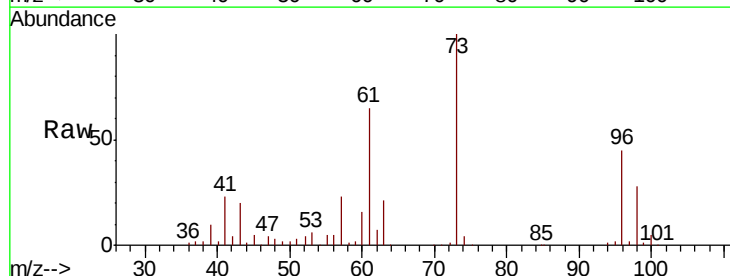
MMDadoda
10/3/2018 5:27:37 PM

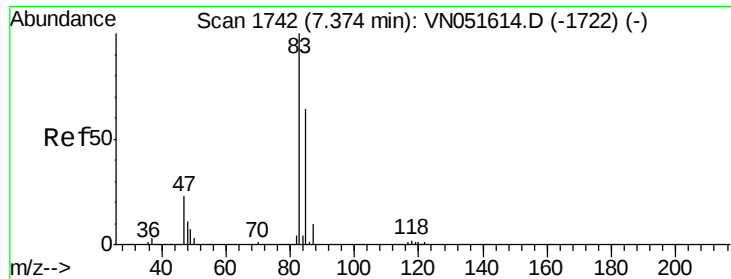


#24

Methyl tert-Butyl Ether
Concen: 103.410 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 73 Resp: 1869011
Ion Ratio Lower Upper
73 100
43 19.8 16.1 24.1





#25

Chloroform

Concen: 97.385 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 1346812

Ion Ratio Lower Upper

83 100

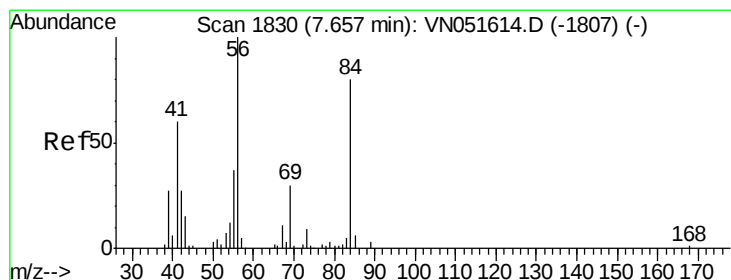
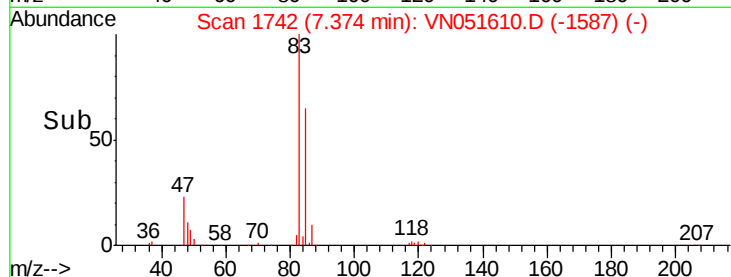
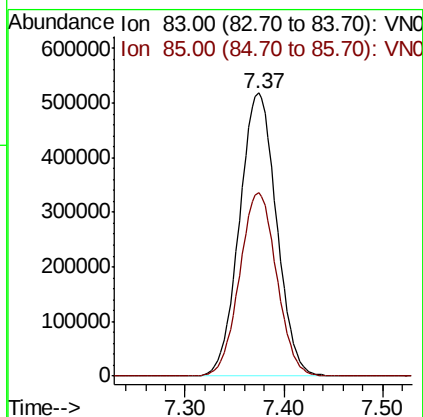
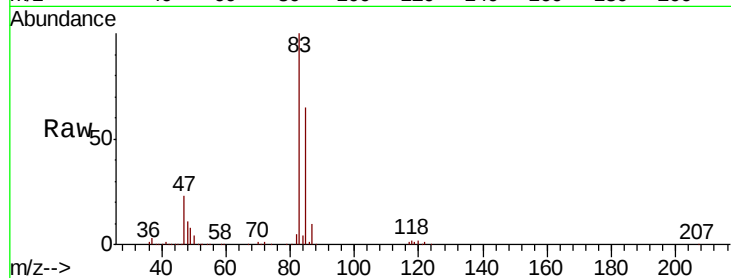
85 64.9 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

10/3/2018 5:27:37 PM



#26

Cyclohexane

Concen: 106.106 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

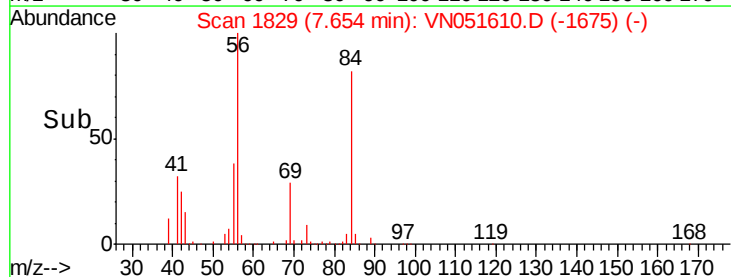
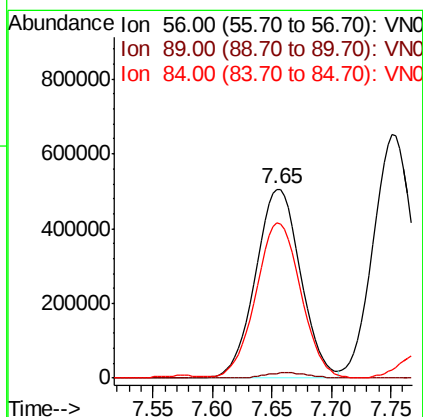
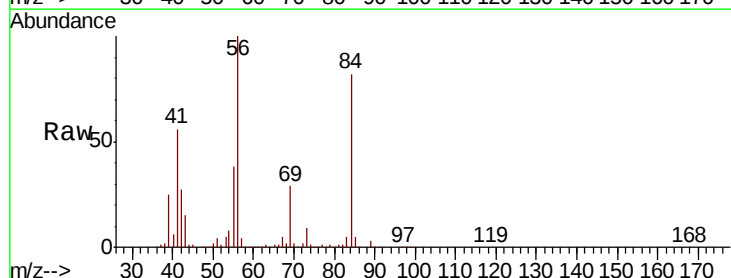
Tgt Ion: 56 Resp: 1328097

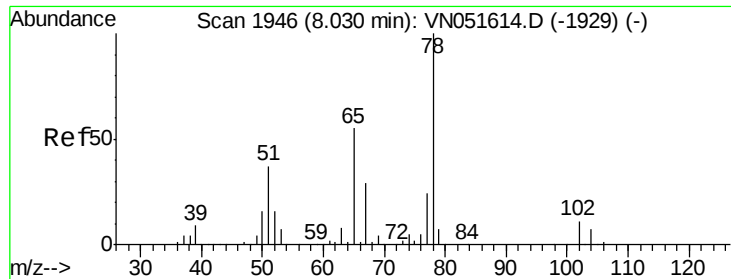
Ion Ratio Lower Upper

56 100

89 2.8 2.2 3.2

84 82.1 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 106.106 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 236077

Ion Ratio Lower Upper

65 100

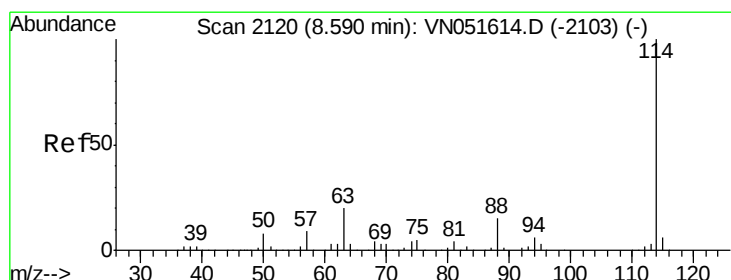
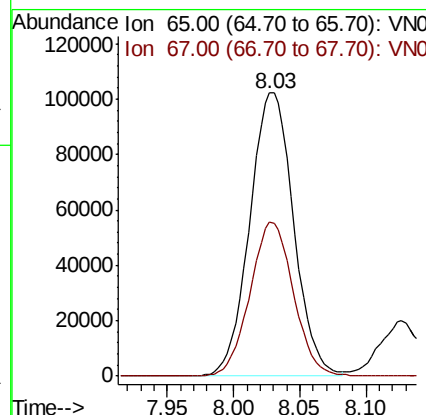
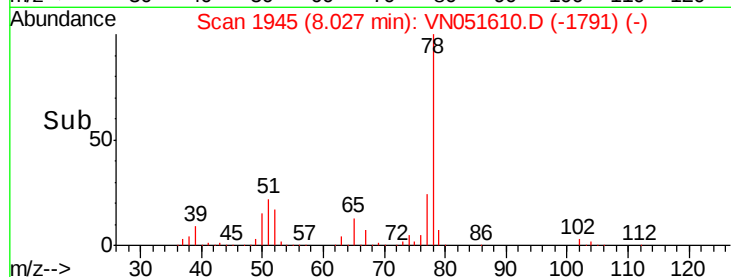
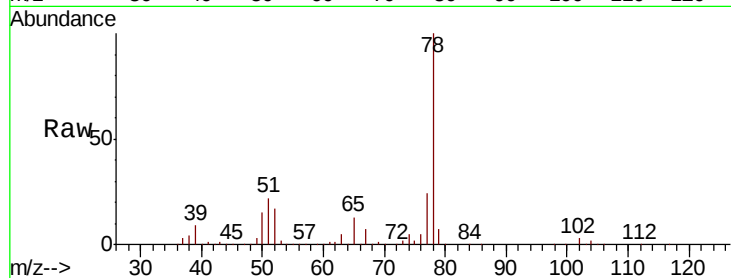
67 53.7 43.1 64.7

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

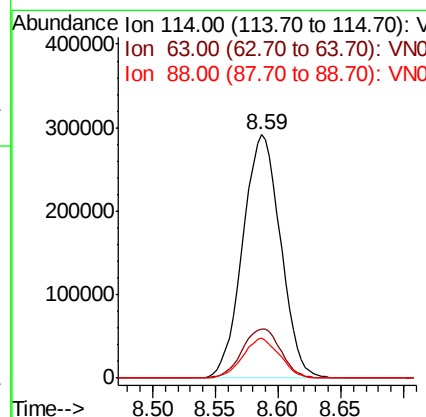
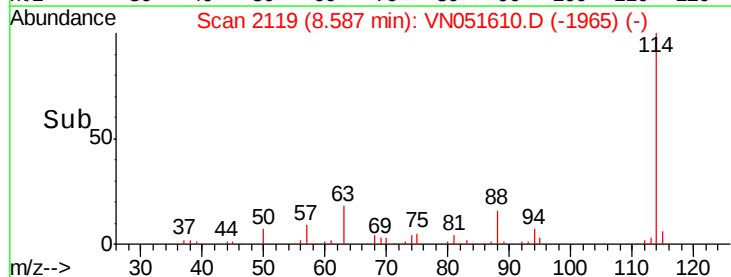
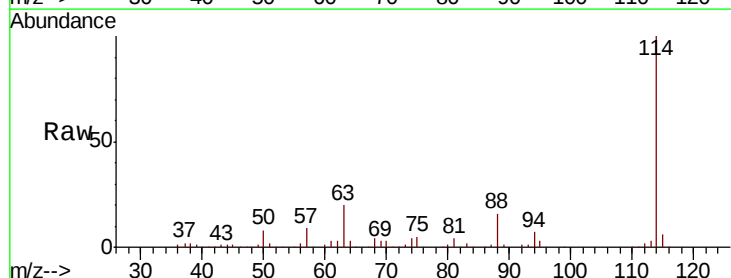
Tgt Ion: 114 Resp: 613064

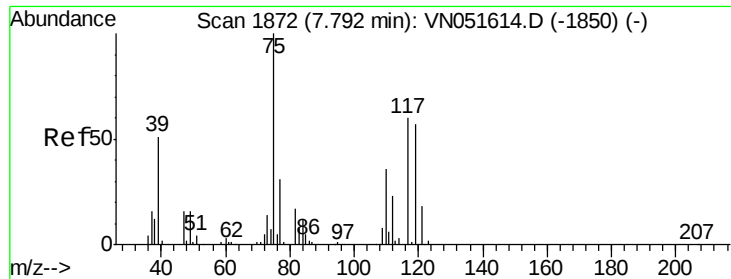
Ion Ratio Lower Upper

114 100

63 20.7 16.4 24.6

88 15.9 12.6 18.8





#29

1,1-Dichloropropene

Concen: 103.691 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1083976

Ion Ratio Lower Upper

75 100

110 34.4 0.0 71.0

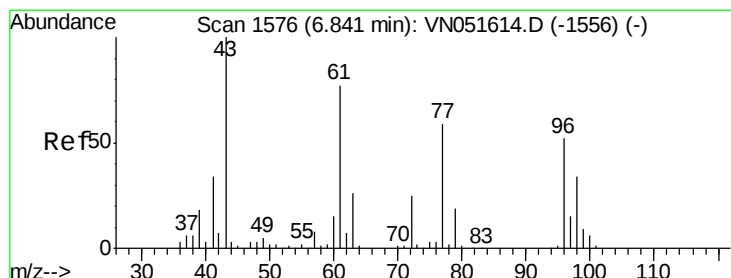
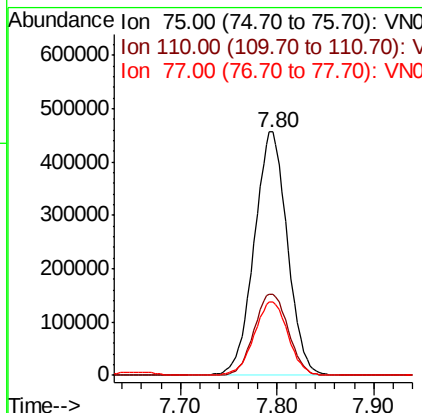
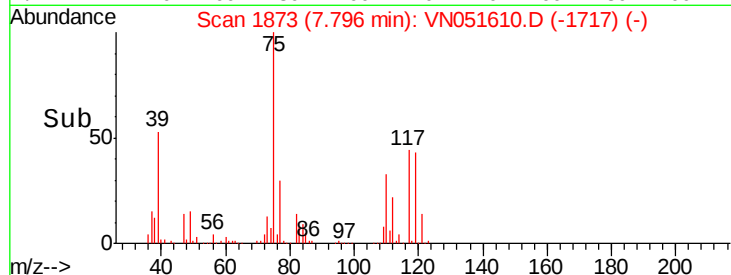
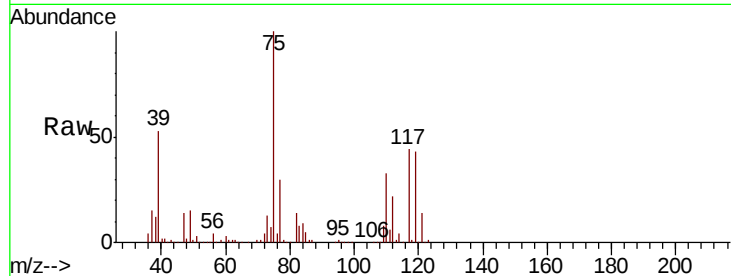
77 30.9 0.0 62.4

Manual Integrations

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#30

2-Butanone

Concen: 514.088 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

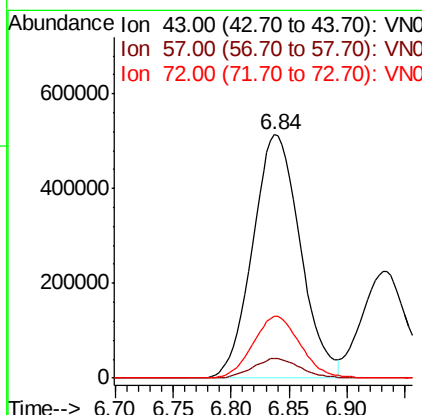
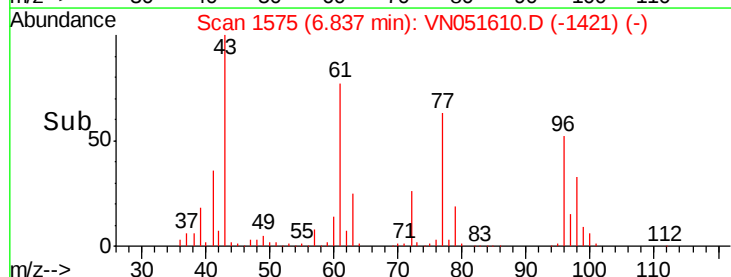
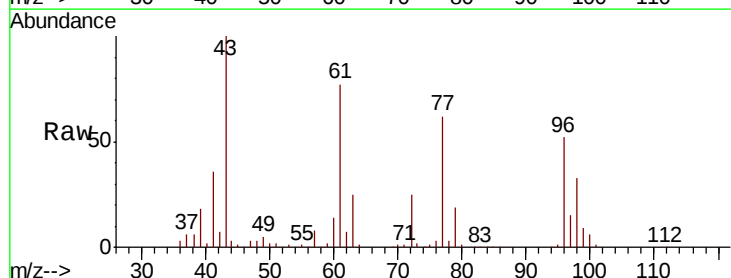
Tgt Ion: 43 Resp: 1462683

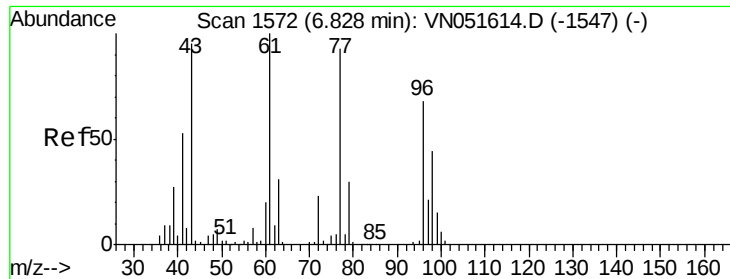
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 25.5 20.8 31.2





#31

2,2-Dichloropropane

Concen: 100.992 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 1139466

Ion Ratio Lower Upper

77 100

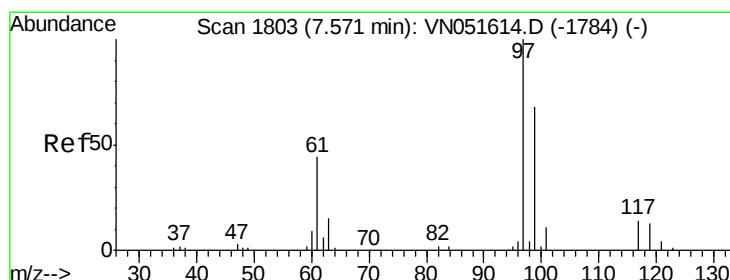
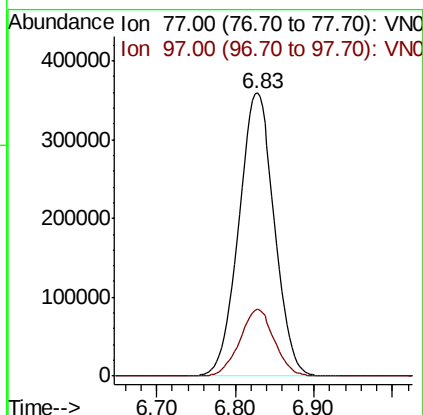
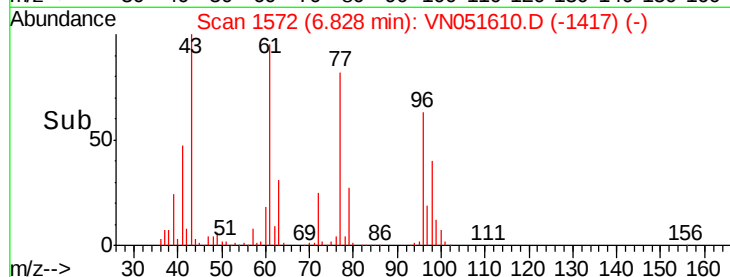
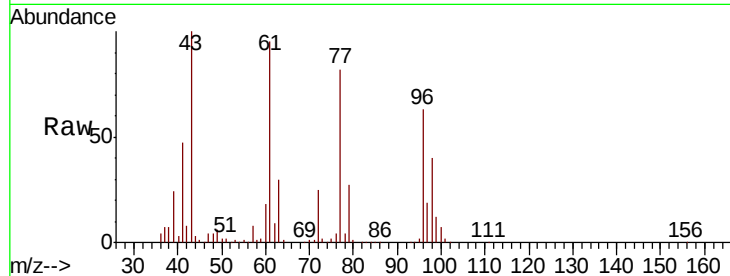
97 23.0 18.6 28.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 99.688 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

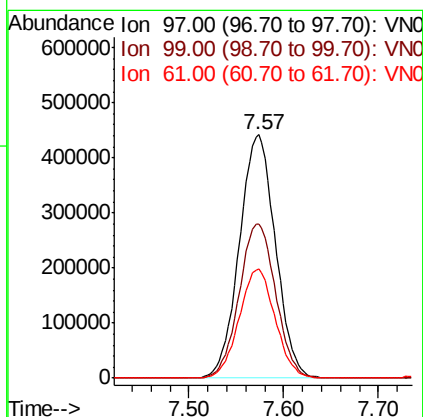
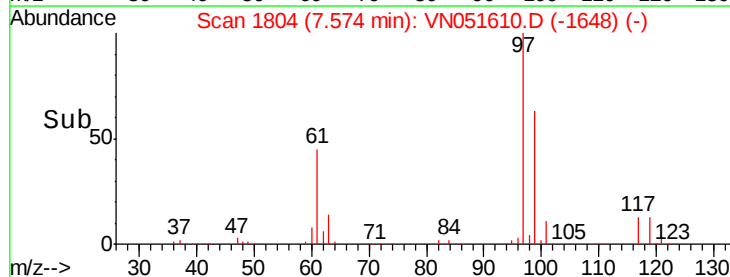
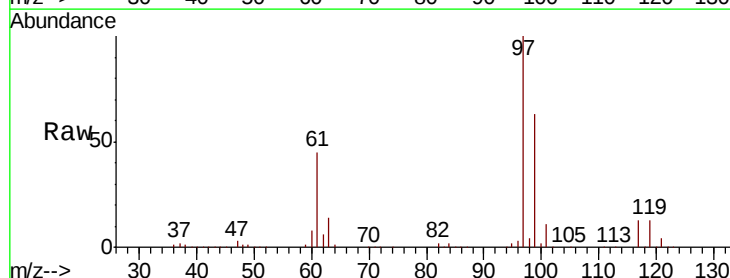
Tgt Ion: 97 Resp: 1170928

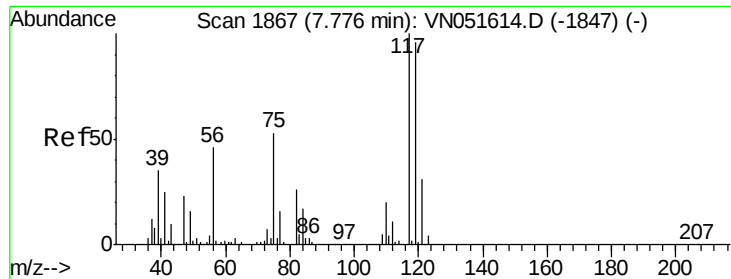
Ion Ratio Lower Upper

97 100

99 64.1 52.2 78.4

61 44.8 36.2 54.4





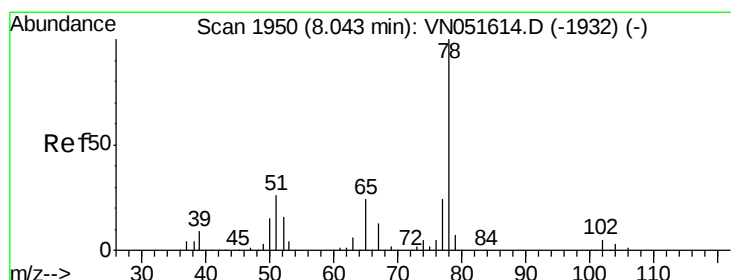
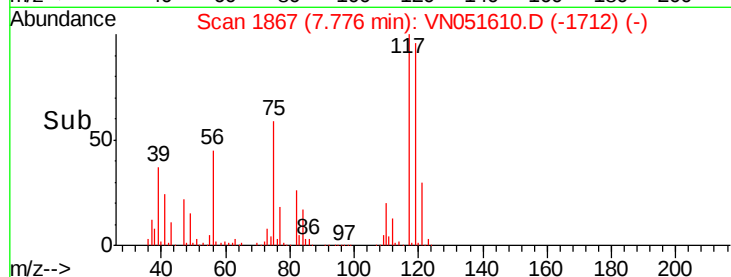
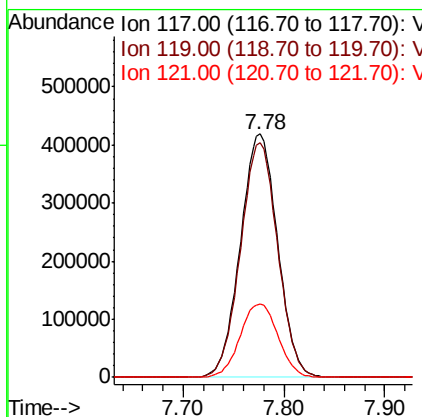
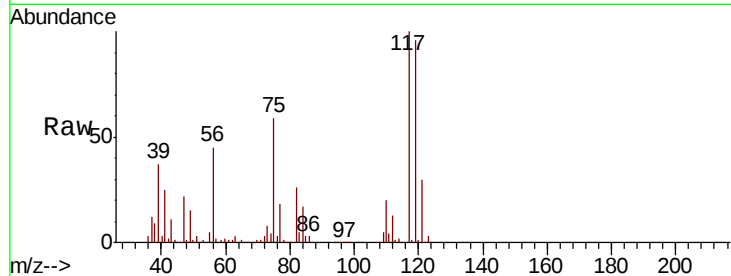
#33
Carbon Tetrachloride
Concen: 101.399 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:117 Resp: 1070466
Ion Ratio Lower Upper
117 100
119 96.2 76.5 114.7
121 30.0 25.0 37.6

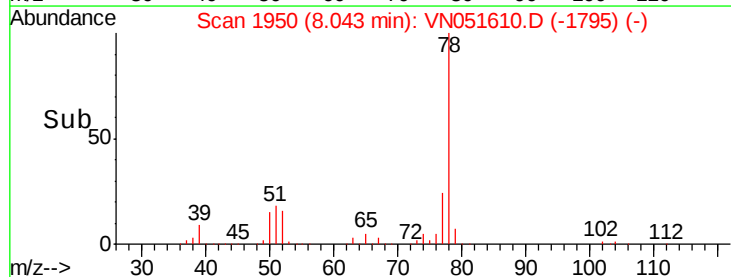
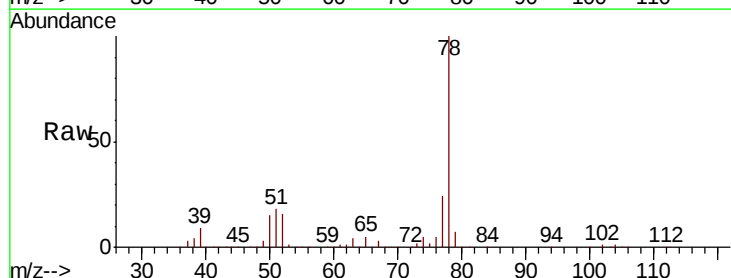
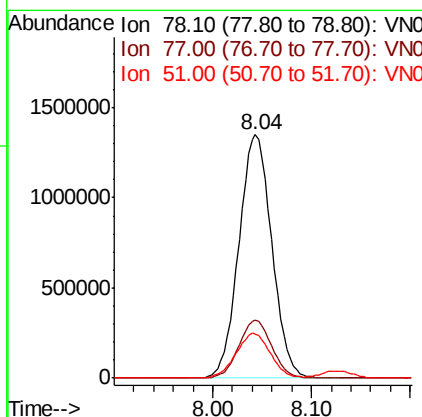
Manual Integrations
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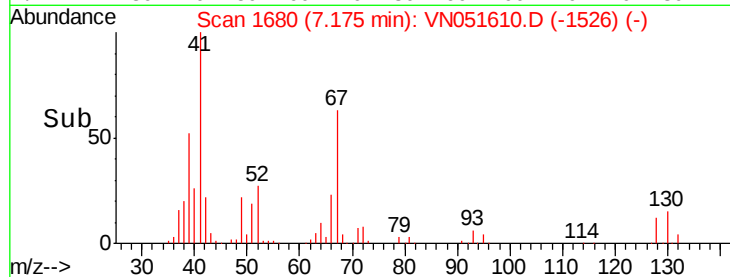
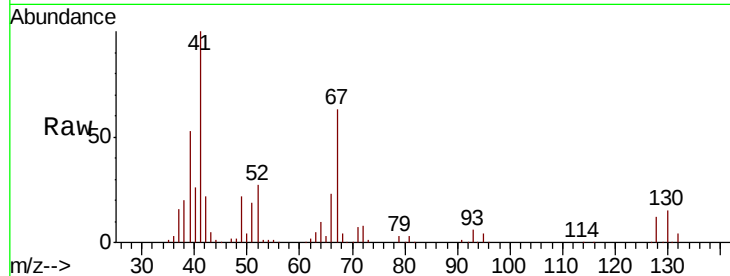
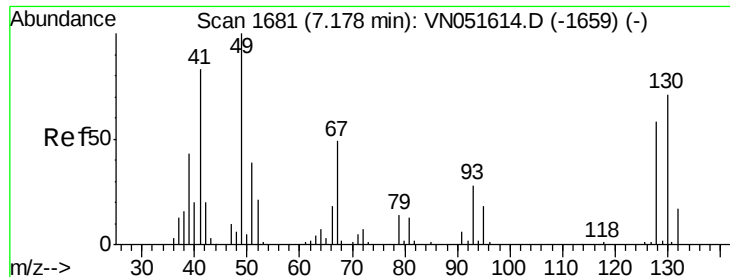
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#34
Benzene
Concen: 100.545 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 78 Resp: 3118404
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9
51 18.3 20.8 31.2#





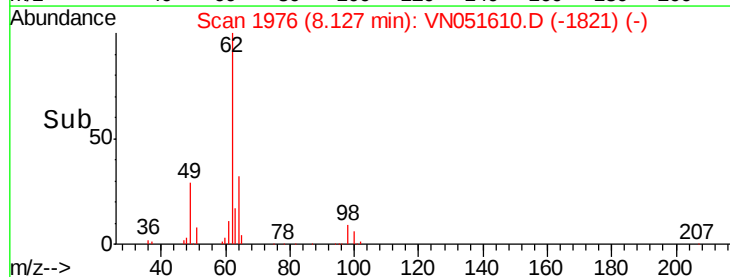
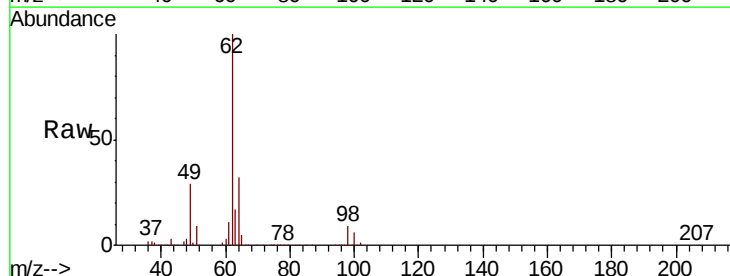
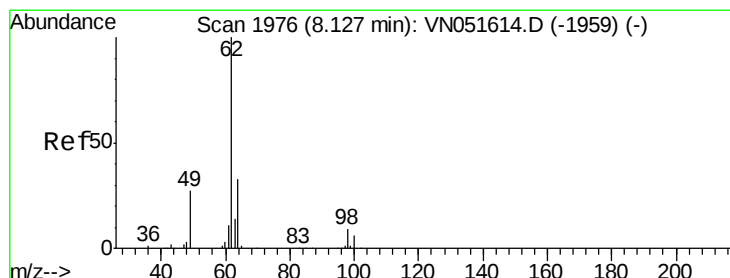
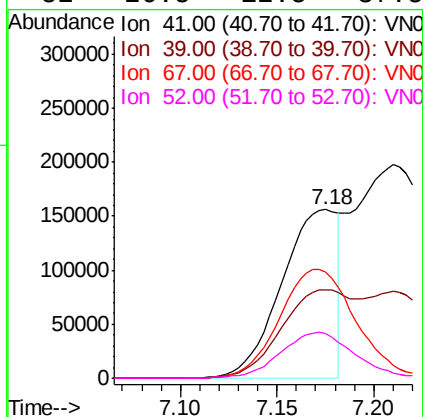
#35
Methacrylonitrile
Concen: 95.308 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	25.6	76.8	
67	62.8	29.4	88.2	
52	26.5	12.5	37.5	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

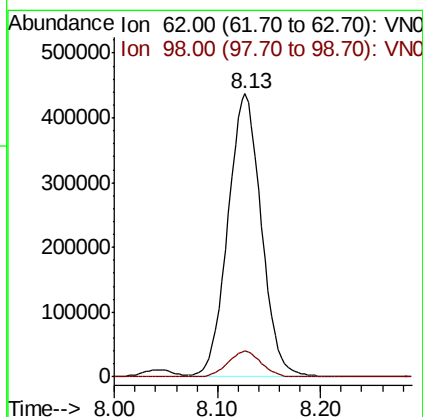
Manual Integrations
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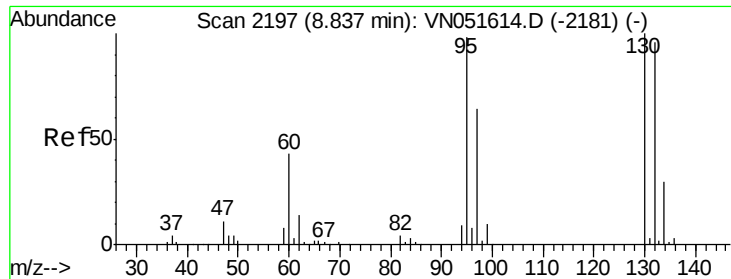
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#36
1,2-Dichloroethane
Concen: 99.382 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





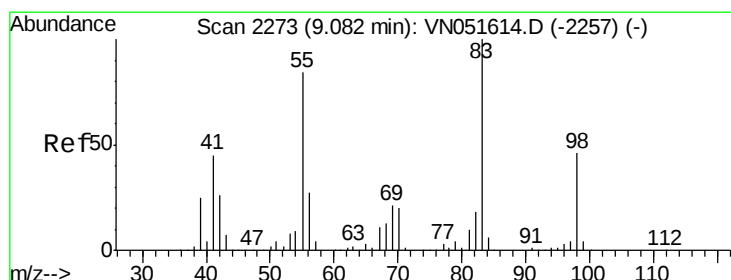
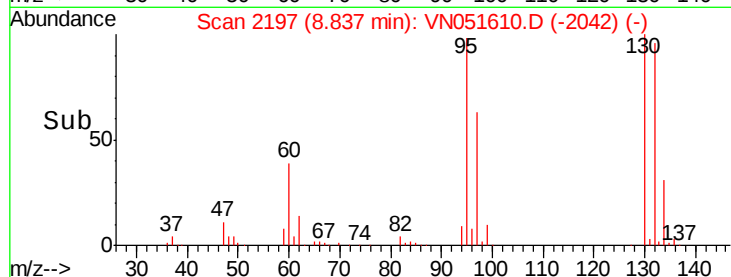
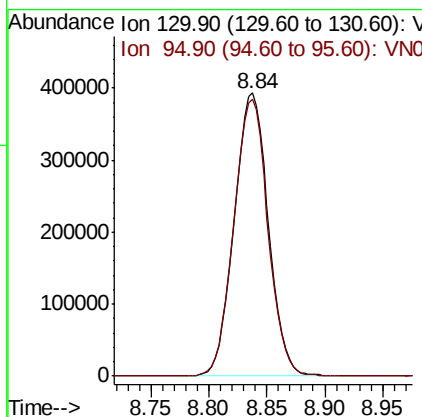
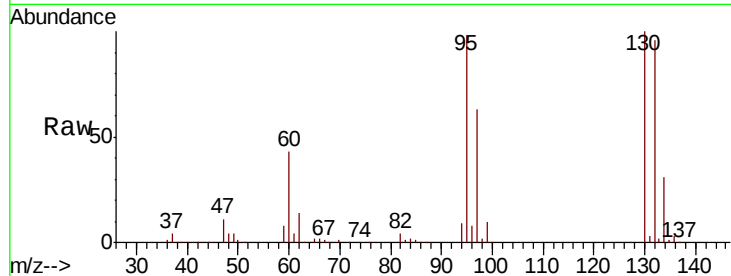
#37
 Trichloroethene
 Concen: 100.566 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 800797
 Ion Ratio Lower Upper
 130 100
 95 98.0 78.4 117.6

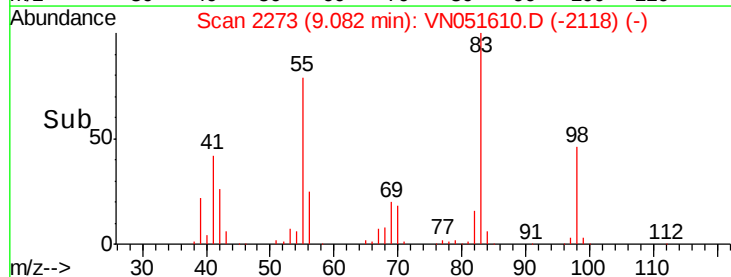
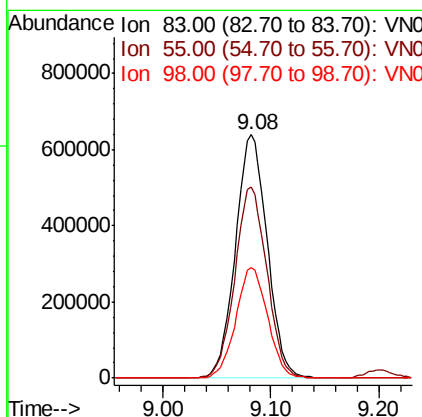
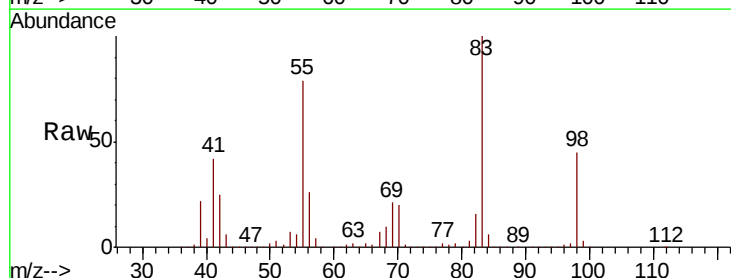
Manual Integrations
 APPROVED

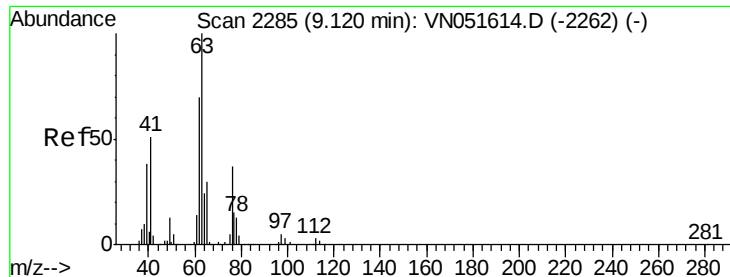
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#38
 Methylcyclohexane
 Concen: 108.821 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 83 Resp: 1312705
 Ion Ratio Lower Upper
 83 100
 55 79.0 41.6 124.9
 98 45.4 23.1 69.2





#39

1,2-Dichloropropane

Concen: 99.921 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 849177

Ion Ratio Lower Upper

63 100

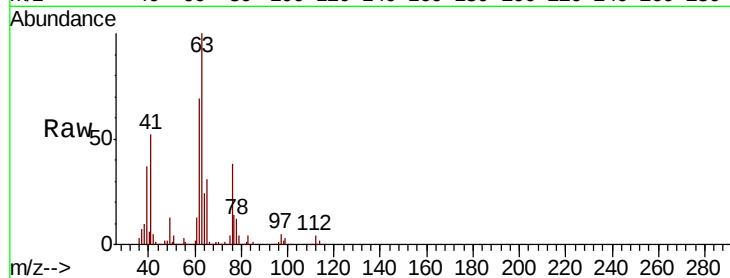
65 30.6 24.4 36.6

Manual Integrations

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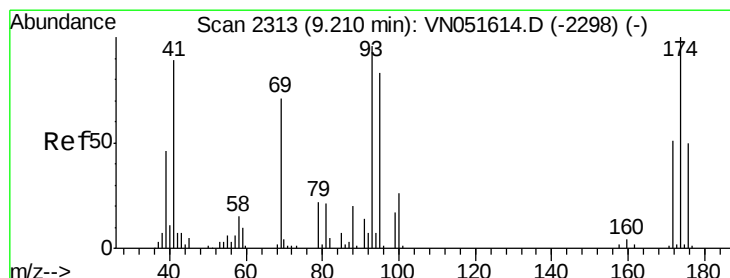
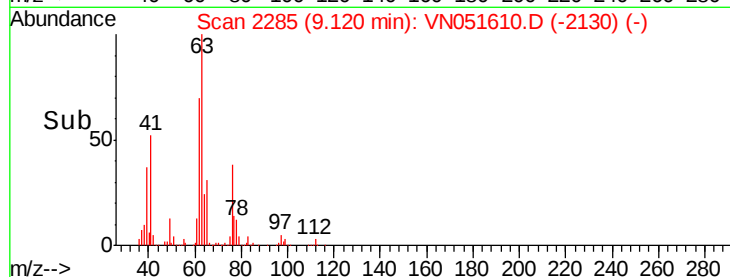
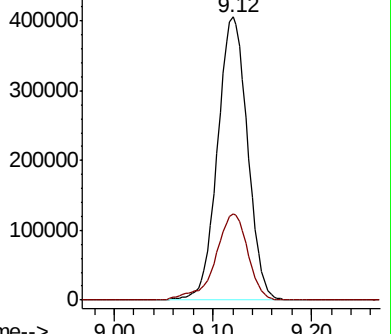
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 99.840 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

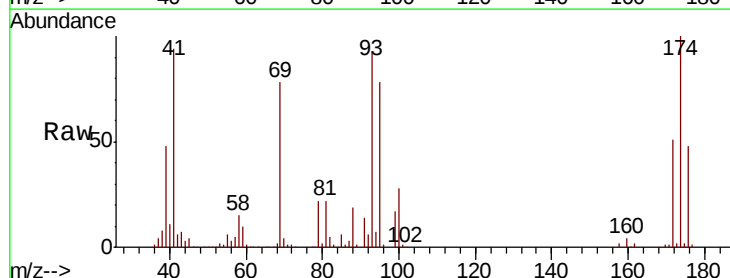
Tgt Ion: 93 Resp: 471337

Ion Ratio Lower Upper

93 100

95 83.6 0.0 171.0

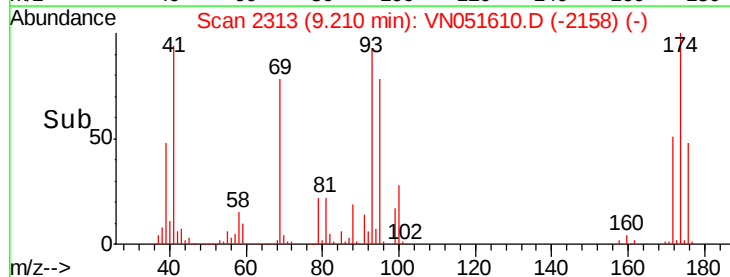
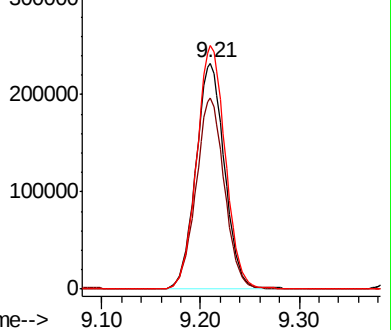
174 107.4 0.0 212.0

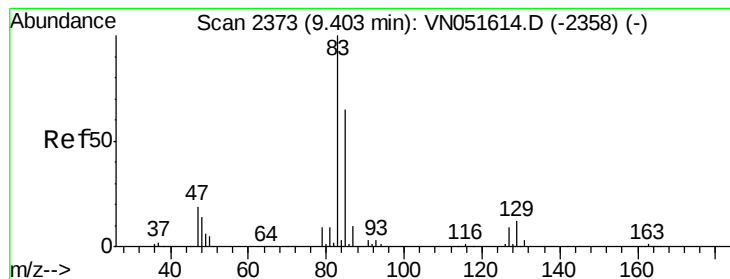


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 100.856 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1039320

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1

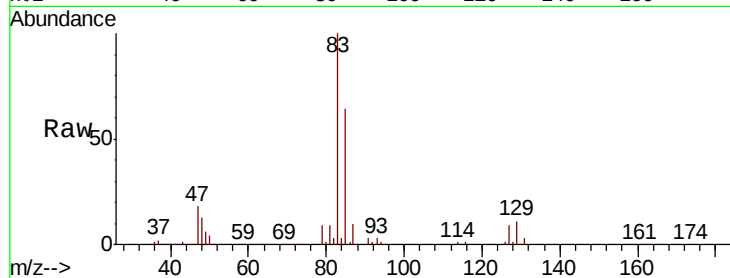
127 8.7 7.1 10.7

Manual Integrations

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MMDadoda

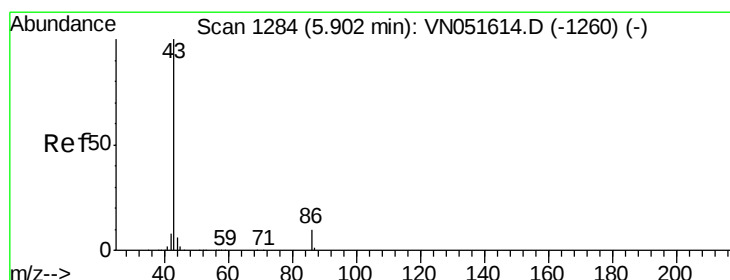
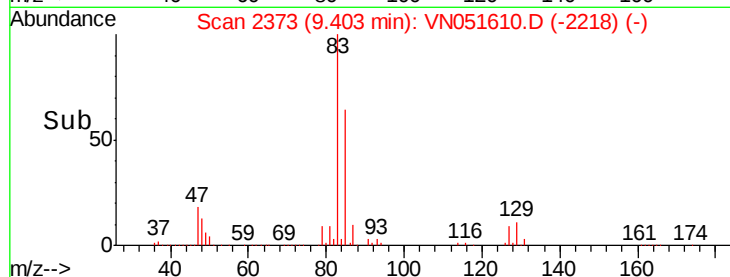
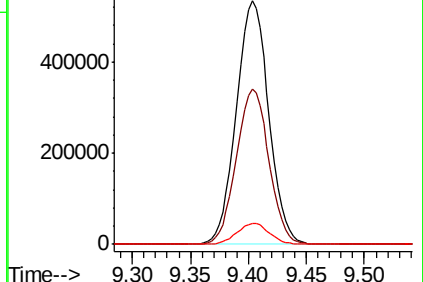
10/3/2018 5:27:37 PM



Abundance Ion 83.00 (82.70 to 83.70): VN051610.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051610.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051610.D (-2358) (-)



#42

Vinyl Acetate

Concen: 537.039 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN051610.D

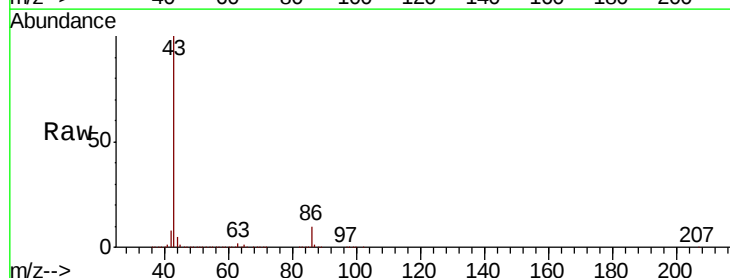
Acq: 28 Sep 2018 9:28

Tgt Ion: 43 Resp: 8506511

Ion Ratio Lower Upper

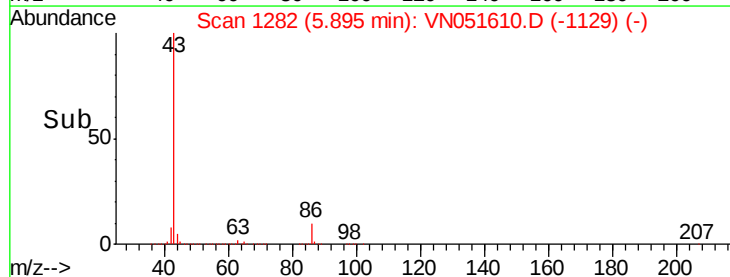
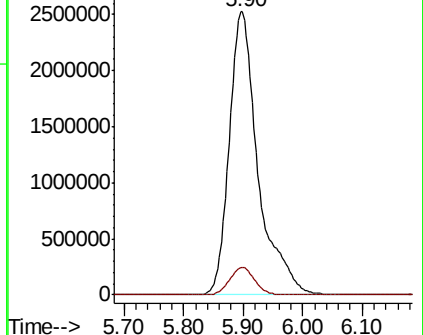
43 100

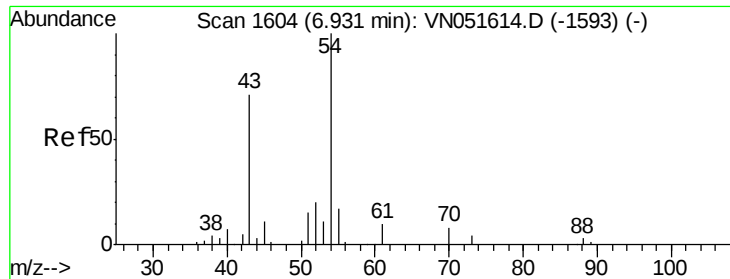
86 8.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN051610.D (-1129) (-)

Ion 86.00 (85.70 to 86.70): VN051610.D (-1129) (-)





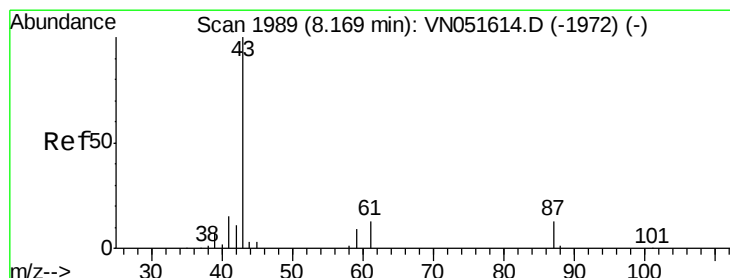
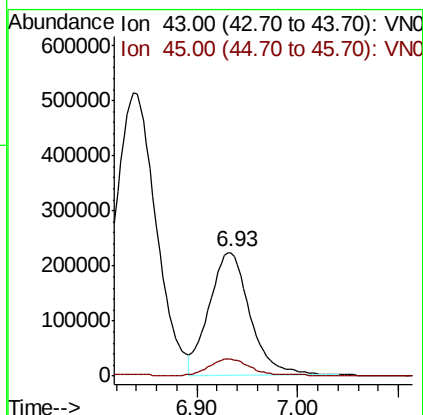
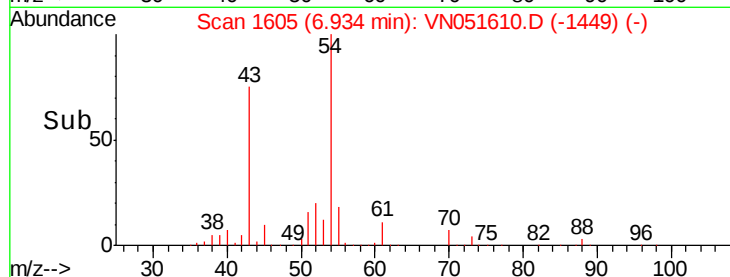
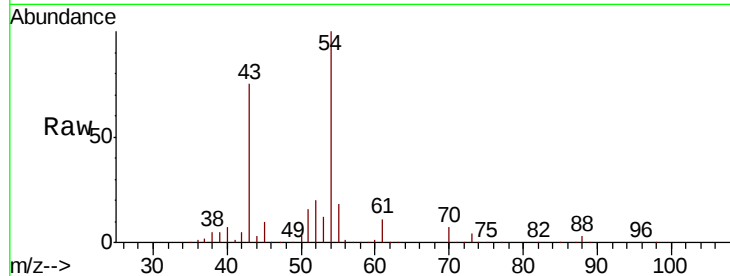
#43
Ethyl Acetate
Concen: 103.878 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 625594
Ion Ratio Lower Upper
43 100
45 13.3 10.6 16.0

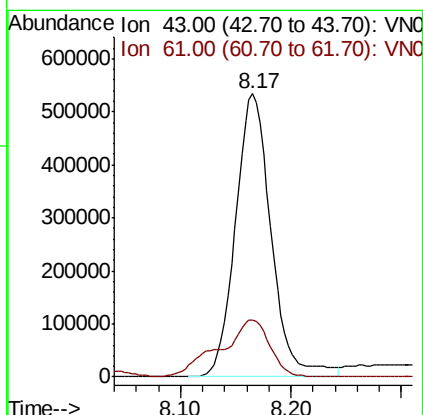
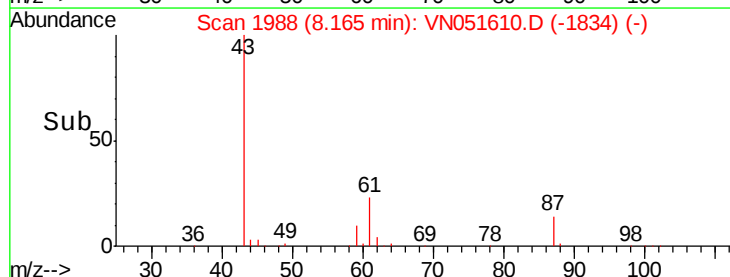
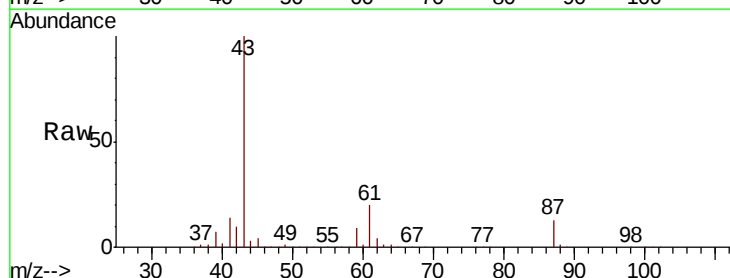
Manual Integrations
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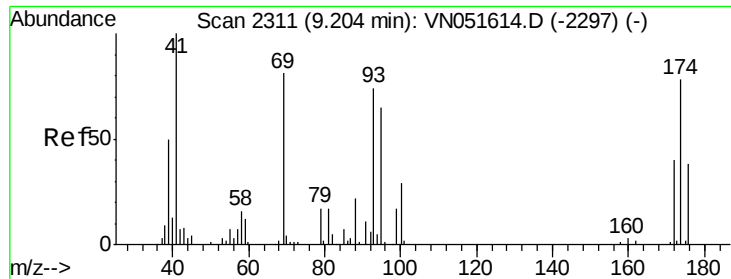
MMDadoda
10/3/2018 5:27:37 PM



#44
Isopropyl Acetate
Concen: 101.476 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 43 Resp: 1196600
Ion Ratio Lower Upper
43 100
61 18.6 15.4 23.0





#45

1,4-Dioxane

Concen: 2129.620 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

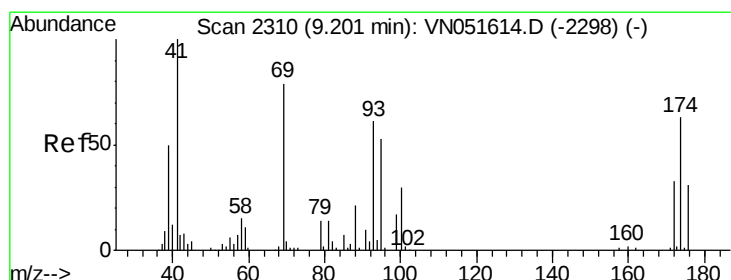
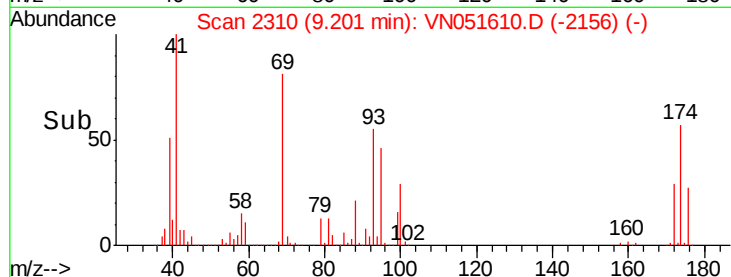
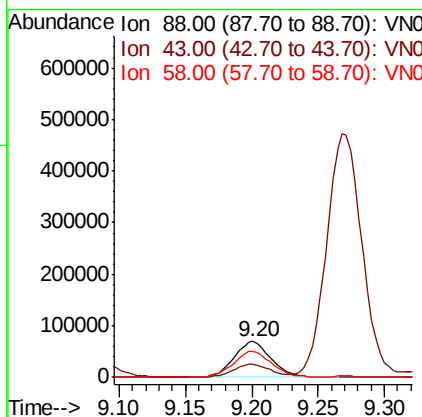
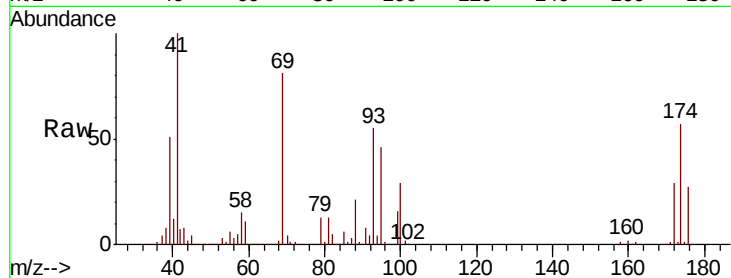
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	135664
Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.0	43.6
58	74.5	59.0	88.6

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#46

Methyl methacrylate

Concen: 108.518 ug/l

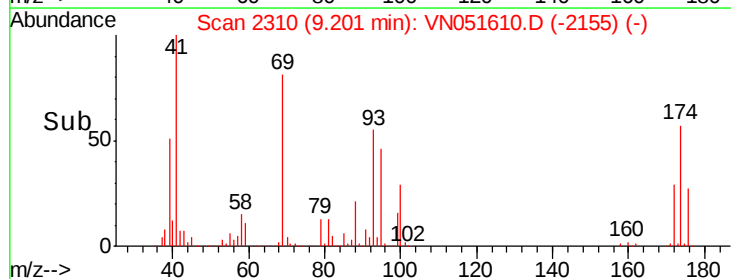
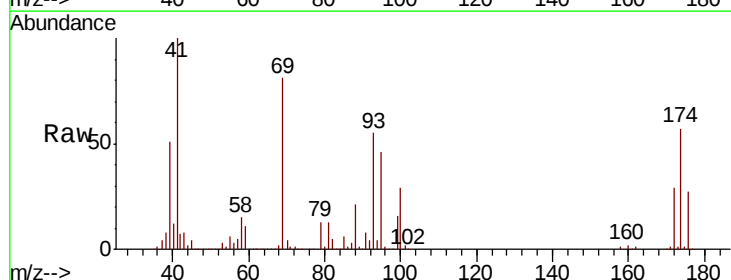
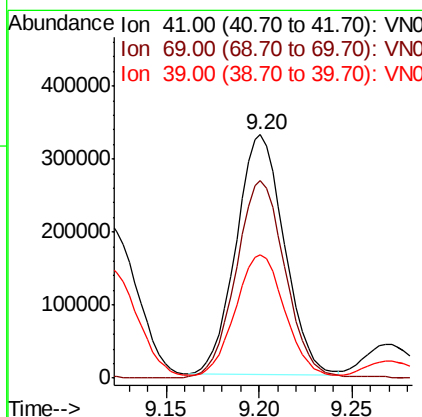
RT: 9.20 min Scan# 2310

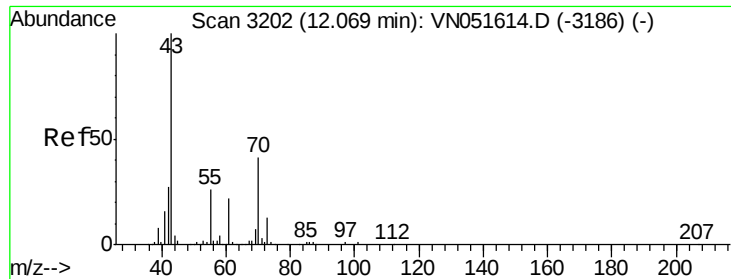
Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion:	41	Resp:	595274
Ion	Ratio	Lower	Upper
41	100		
69	82.0	39.6	118.7
39	50.7	24.9	74.6





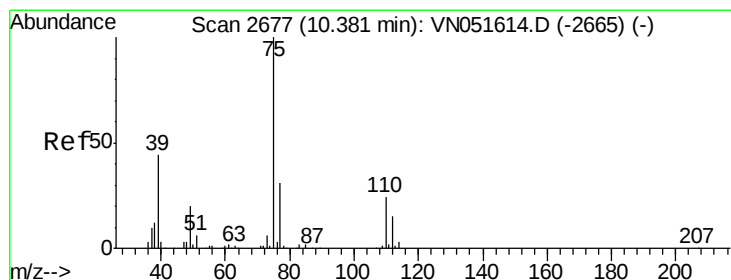
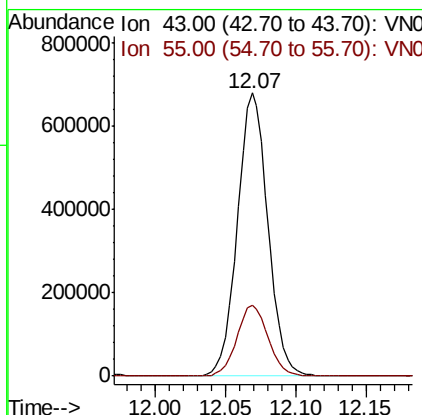
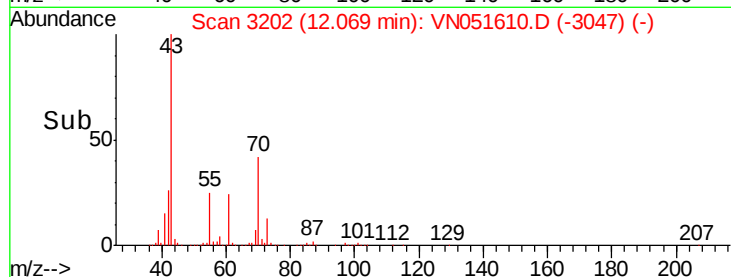
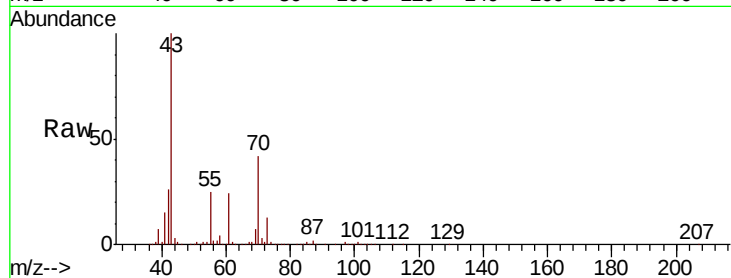
#47
n-amvl Acetate
Concen: 116.176 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1025011
Ion Ratio Lower Upper
43 100
55 25.7 21.5 32.3

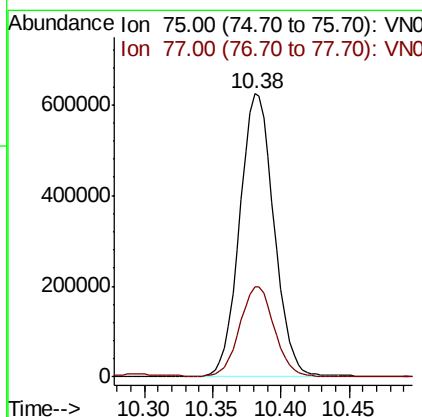
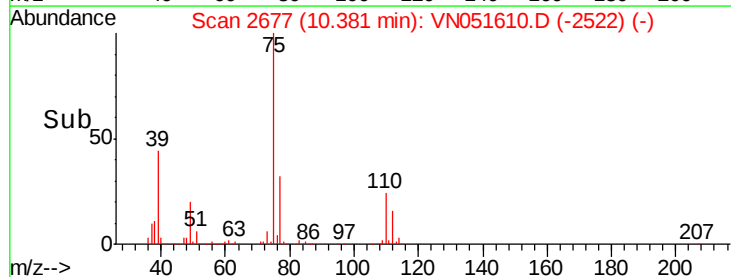
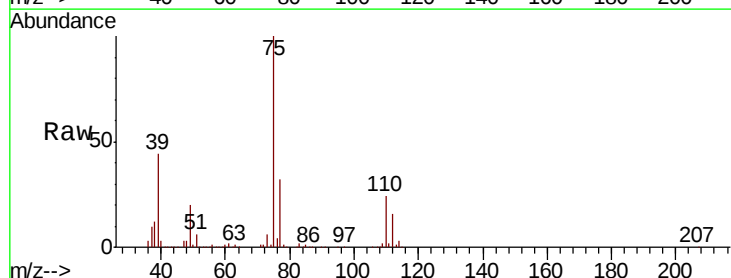
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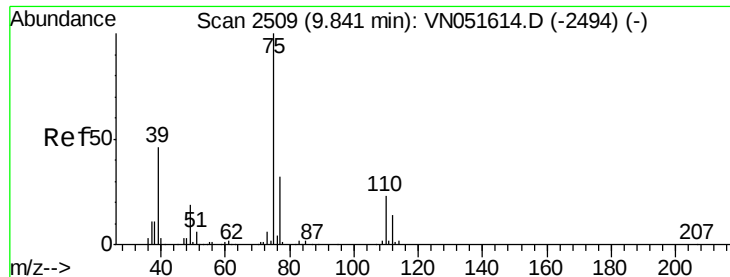
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#48
t-1,3-Dichloropropene
Concen: 106.198 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 75 Resp: 1092257
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 104.915 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1261571

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

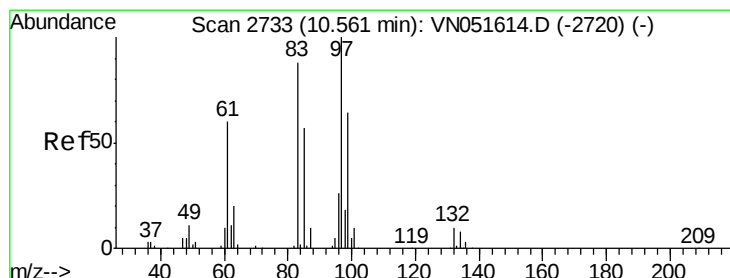
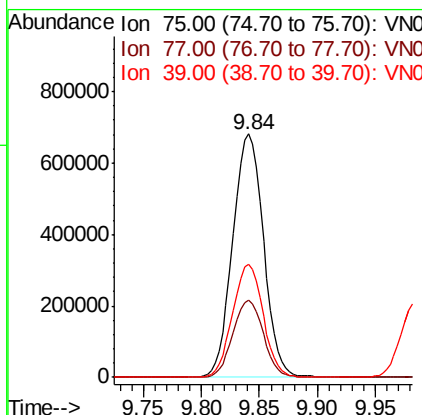
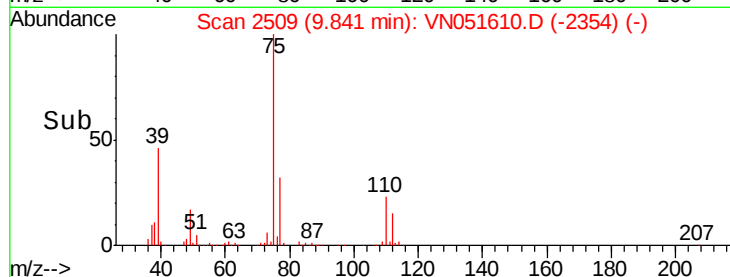
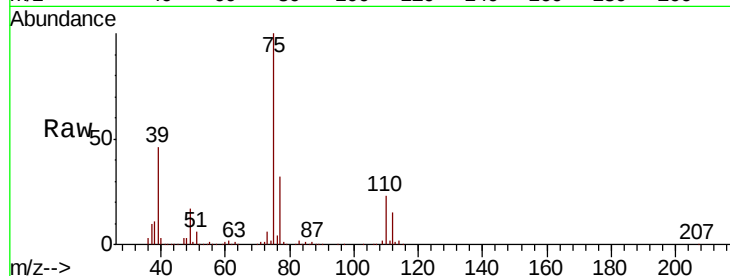
39 46.5 36.6 55.0

Manual Integrations

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#50

1,1,2-Trichloroethane

Concen: 98.261 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion: 97 Resp: 655555

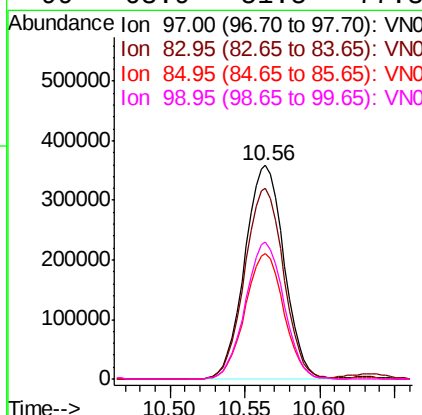
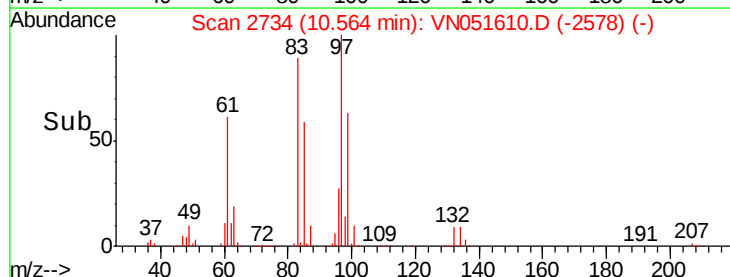
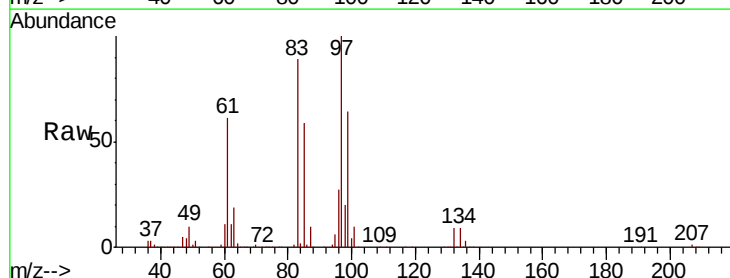
Ion Ratio Lower Upper

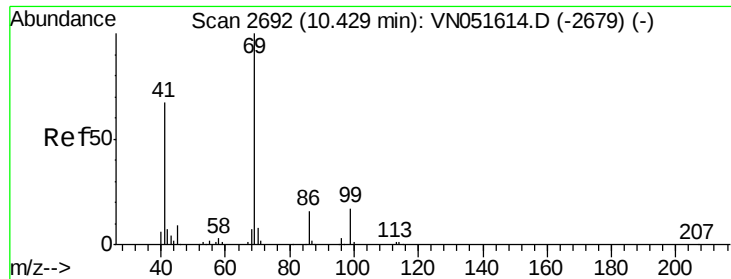
97 100

83 89.5 70.2 105.2

85 59.1 45.6 68.4

99 63.9 51.5 77.3





#51

Ethyl methacrylate

Concen: 111.192 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

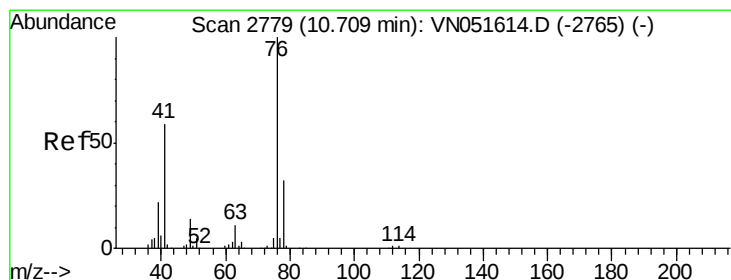
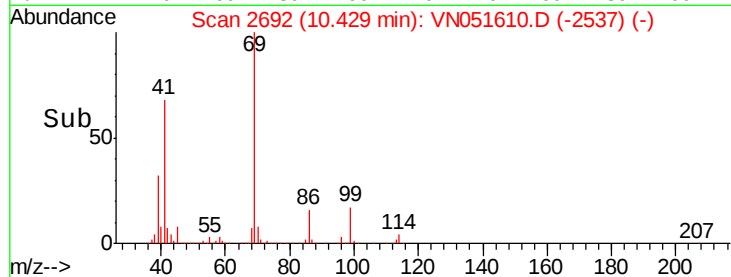
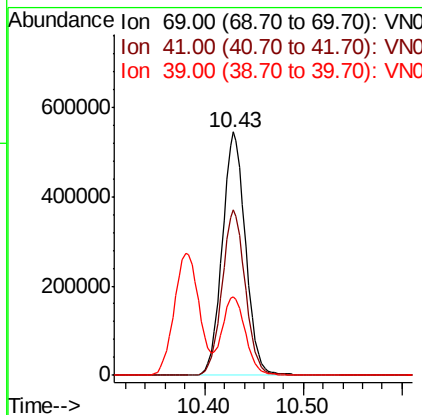
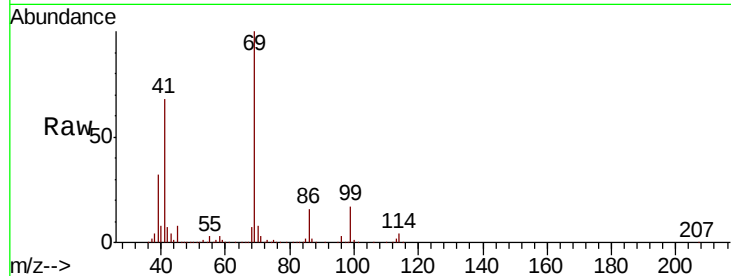
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	900053
Ion Ratio		Lower	Upper
69	100		
41	67.8	33.3	99.8
39	32.3	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 101.191 ug/l

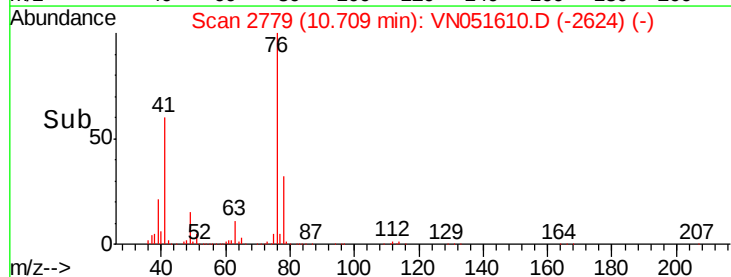
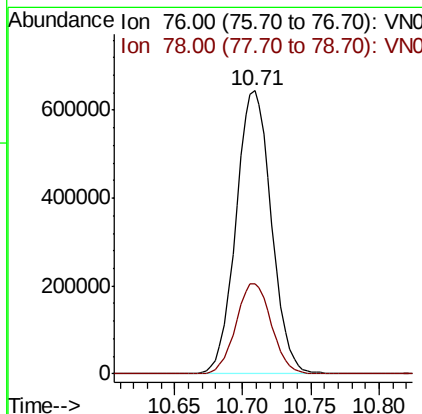
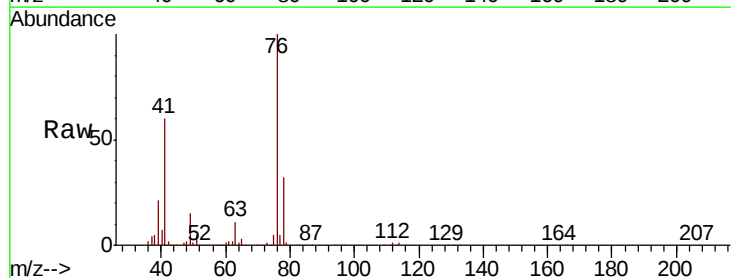
RT: 10.71 min Scan# 2779

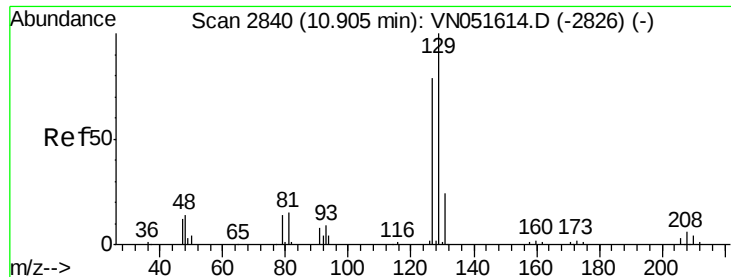
Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion:	76	Resp:	1157525
Ion Ratio		Lower	Upper
76	100		
78	32.2	0.0	63.4





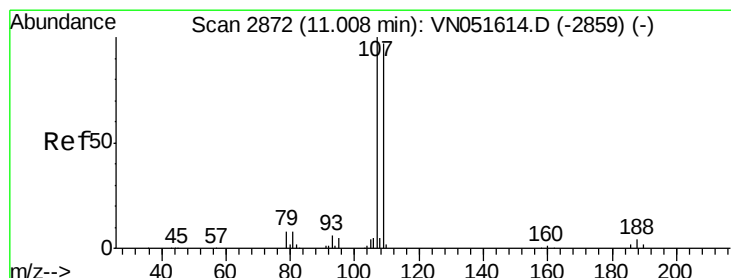
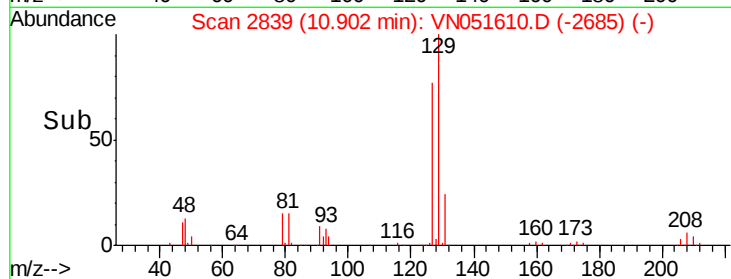
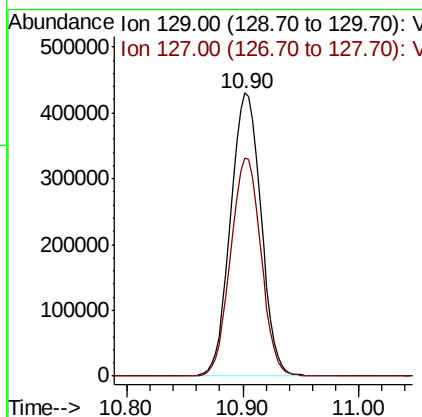
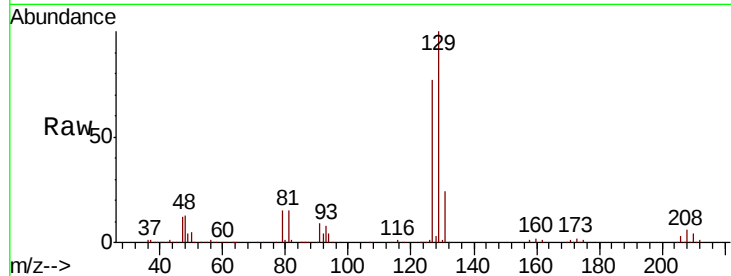
#53
 Dibromochloromethane
 Concen: 102.717 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7

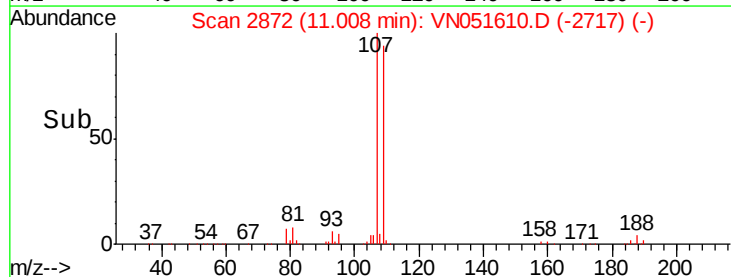
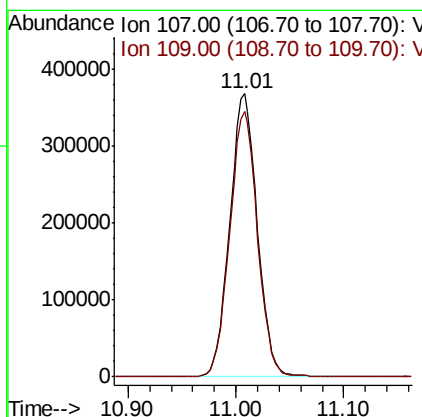
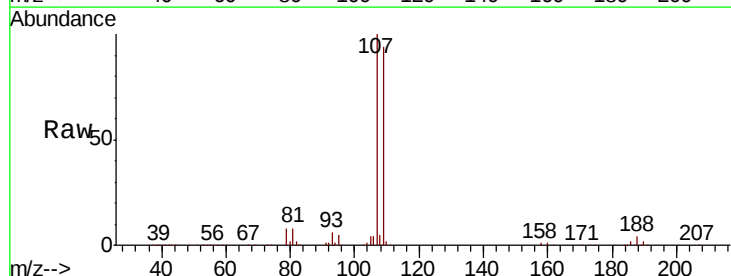
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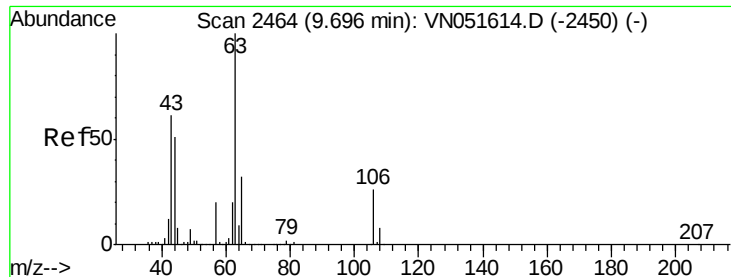
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#54
 1,2-Dibromoethane
 Concen: 102.279 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.5	114.7





#55
 2-Chloroethyl vinyl ether
 Concen: 561.458 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

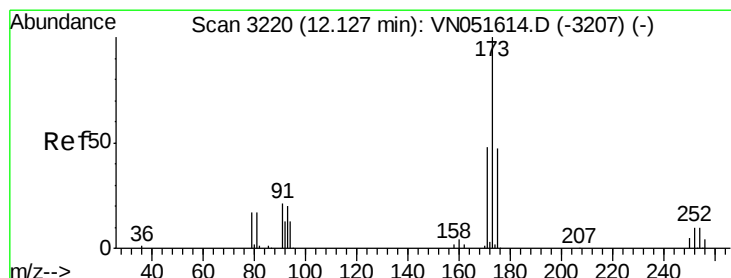
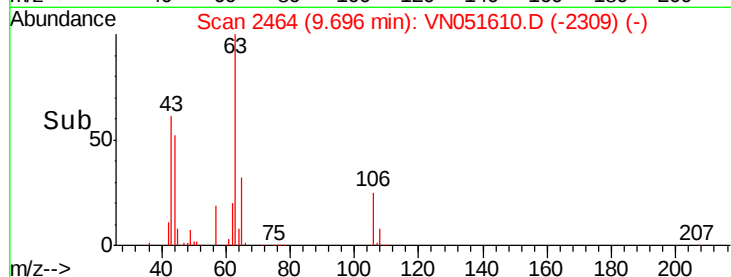
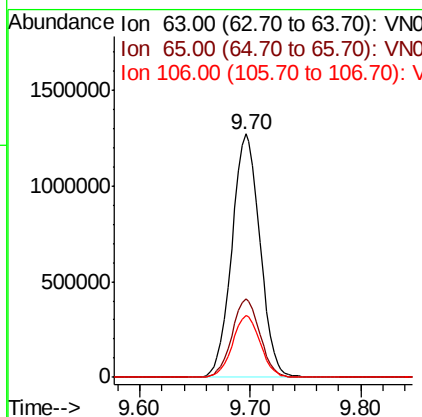
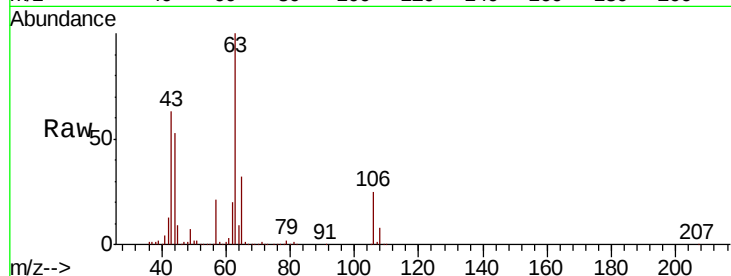
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 2246375

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.8	38.6
106	25.2	20.4	30.6

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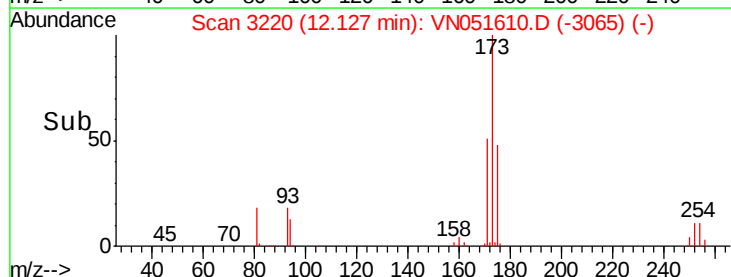
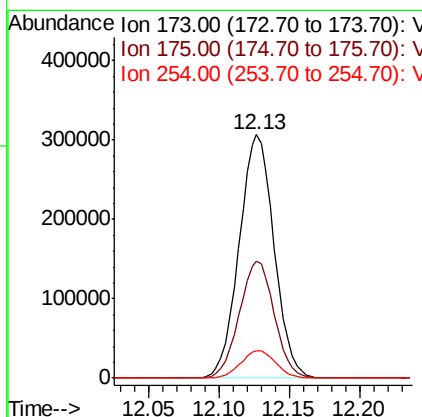
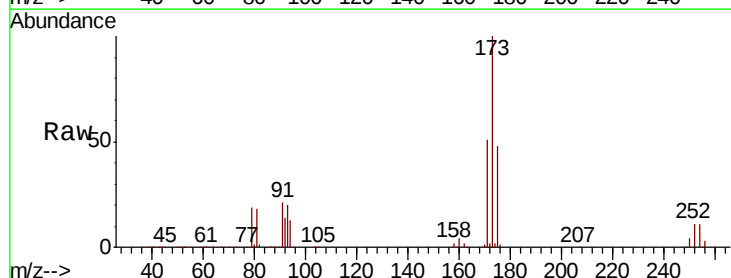
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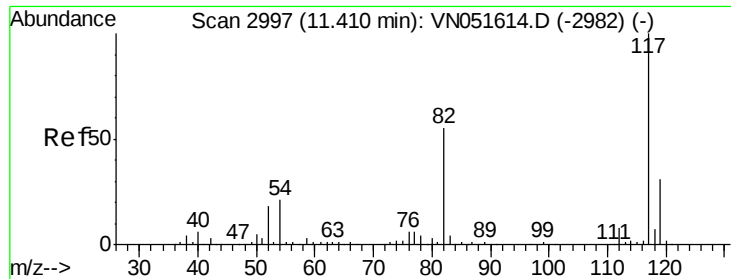


#56
 Bromoform
 Concen: 105.432 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 173 Resp: 531581

Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.0	58.4
254	11.2	8.7	13.1





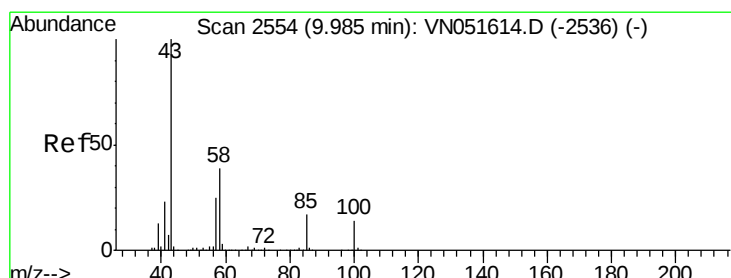
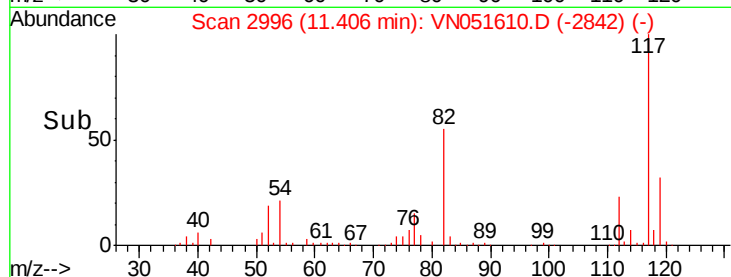
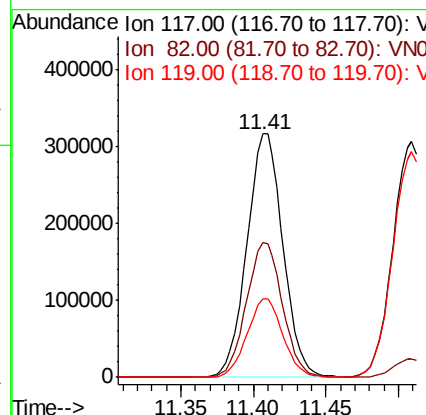
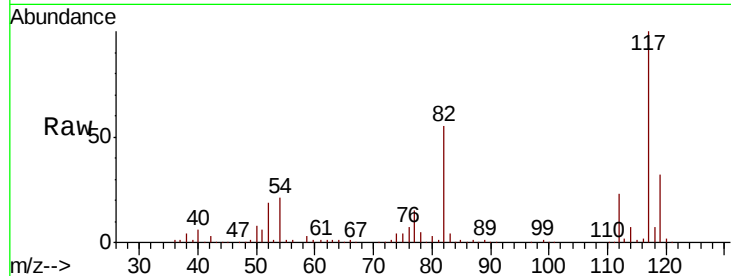
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.2	66.2
119	32.2	25.2	37.8

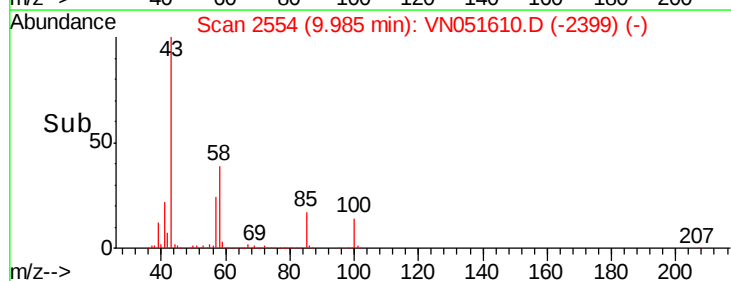
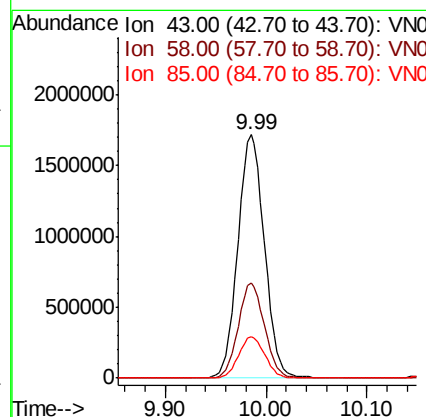
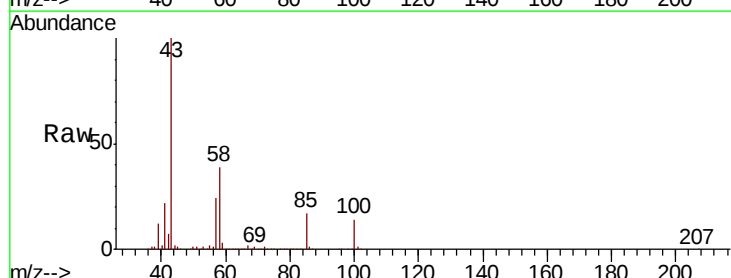
Manual Integrations
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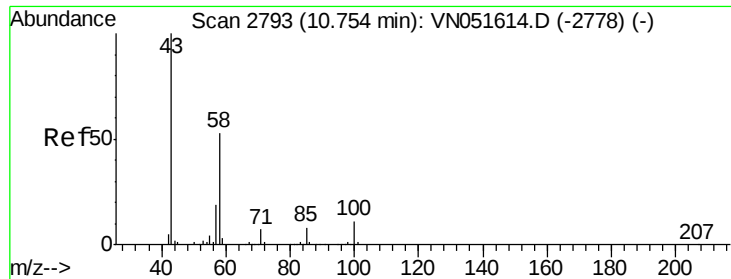
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#58
4-Methyl-2-Pentanone
Concen: 502.602 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.0	46.4
85	16.8	13.4	20.2





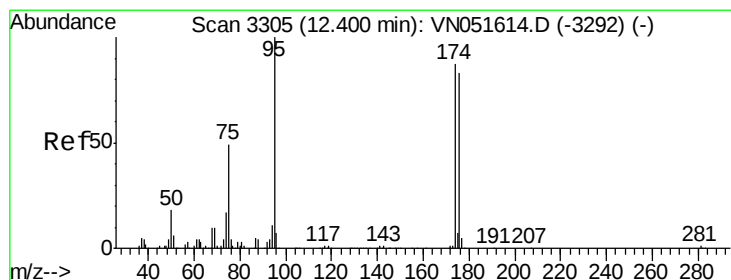
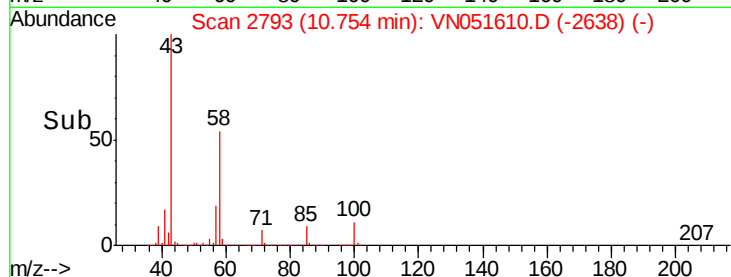
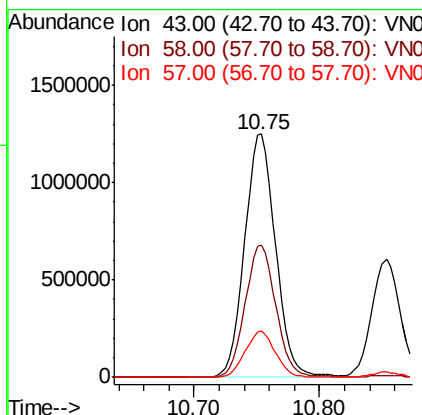
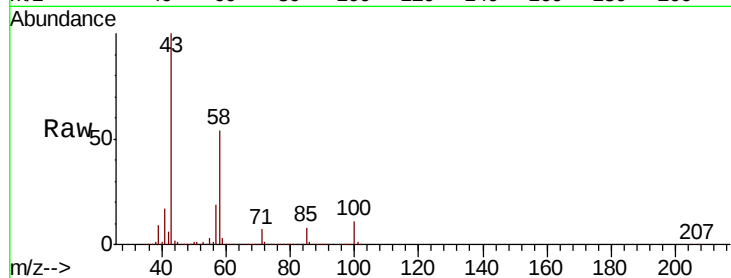
#59
2-Hexanone
Concen: 522.193 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	41.5	62.3
57	18.7	14.2	21.4

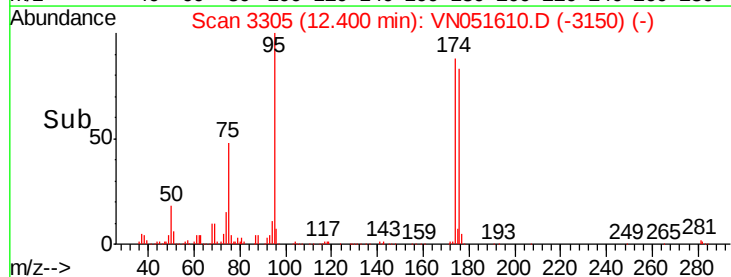
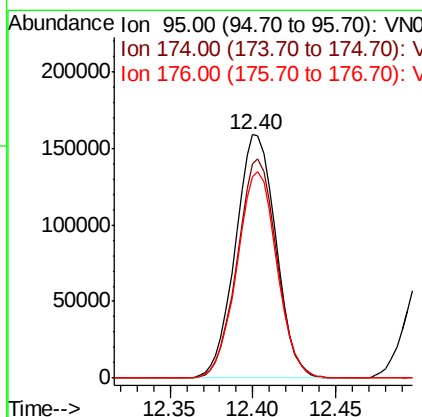
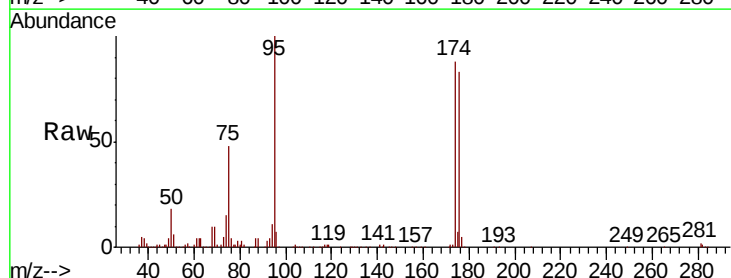
Manual Integrations
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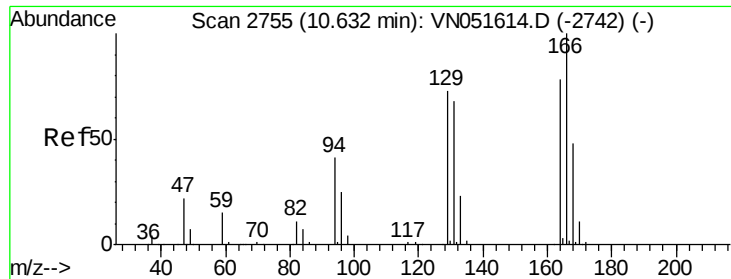
MMDadoda
10/3/2018 5:27:37 PM



#60
4-Bromofluorobenzene
Concen: 522.193 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	71.2	106.8
176	83.6	67.8	101.8





#61

Tetrachloroethene

Concen: 96.671 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 751387

Ion Ratio Lower Upper

164 100

166 126.3 103.1 154.7

129 92.4 75.3 112.9

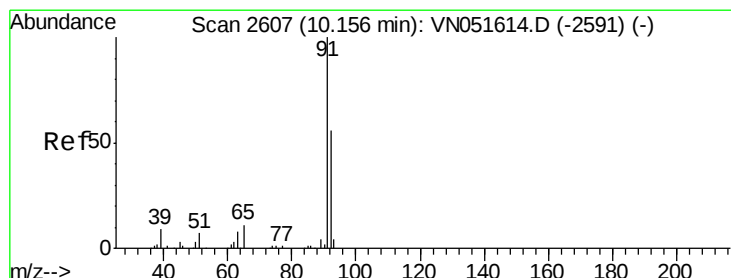
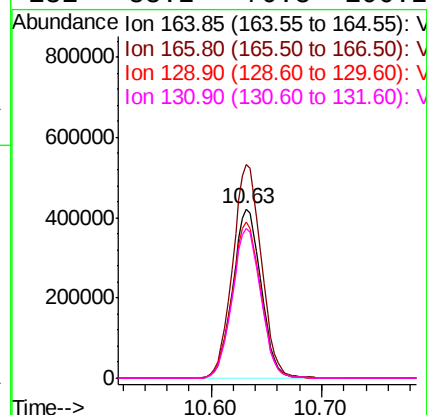
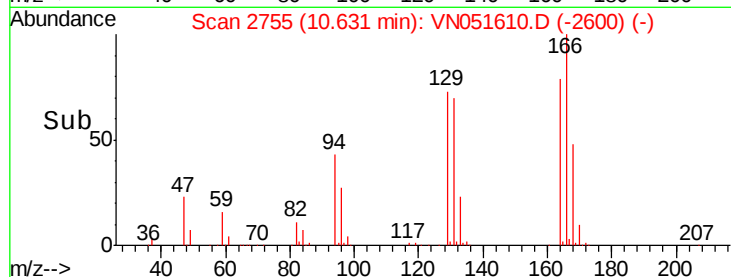
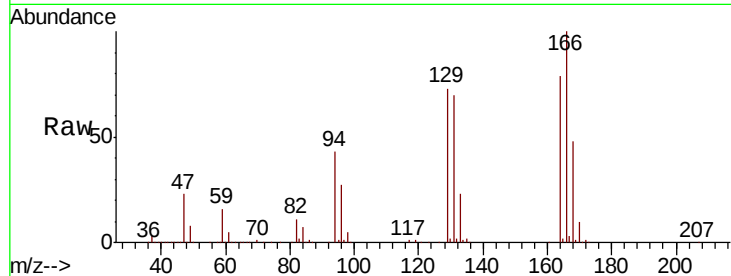
131 88.2 70.8 106.2

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#62

Toluene

Concen: 99.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051610.D

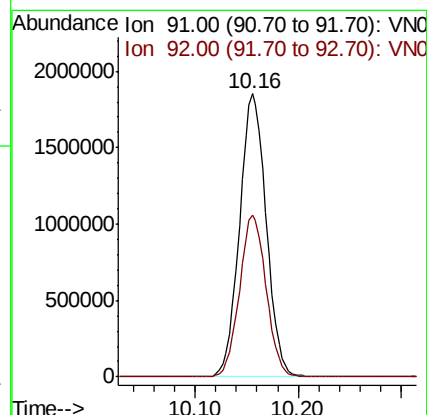
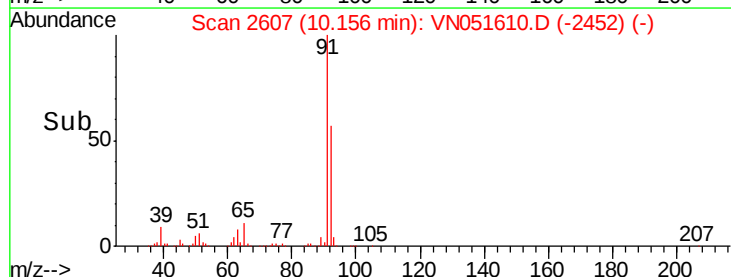
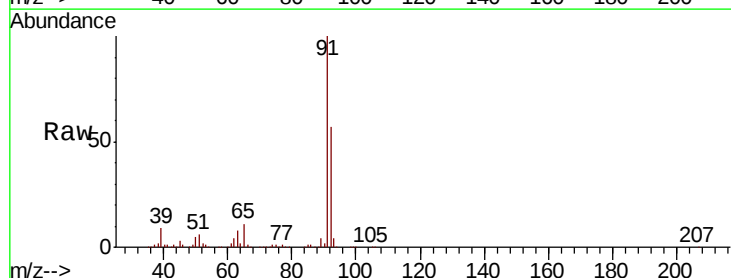
Acq: 28 Sep 2018 9:28

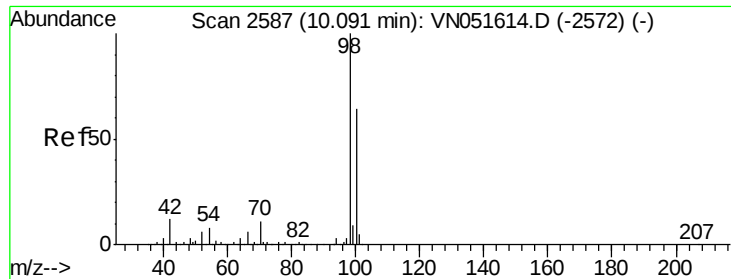
Tgt Ion: 91 Resp: 3341482

Ion Ratio Lower Upper

91 100

92 57.1 45.3 67.9





#63

Toluene-d8

Concen: 99.264 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 763979

Ion Ratio Lower Upper

98 100

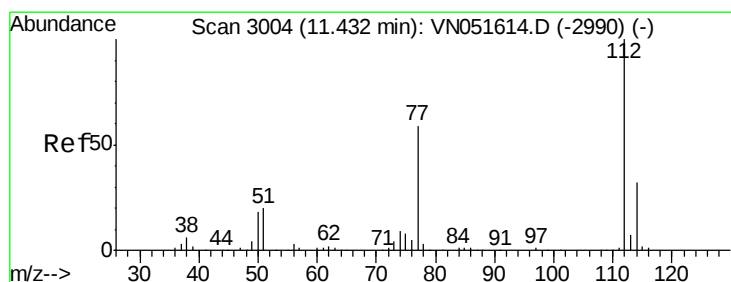
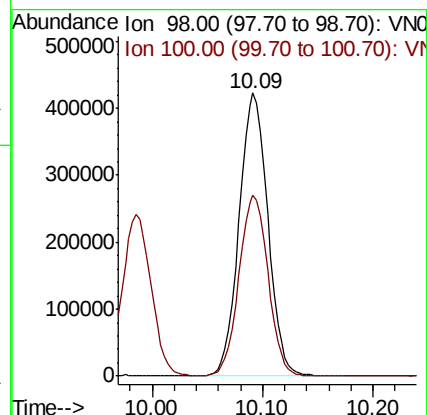
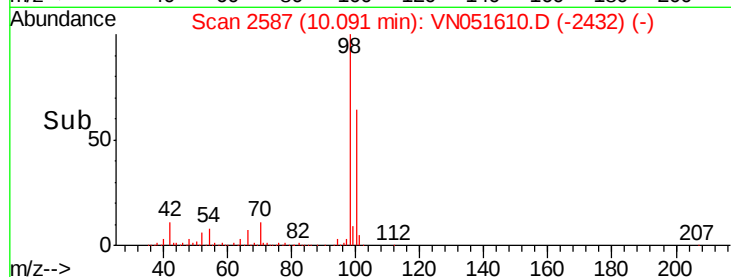
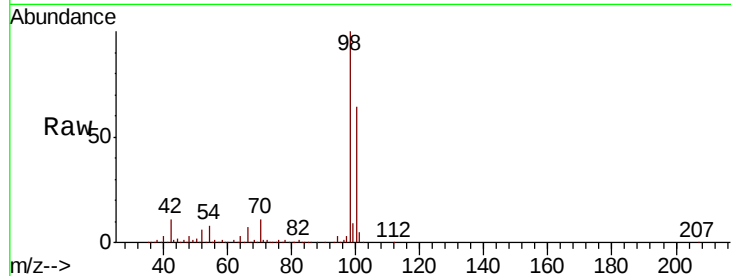
100 64.3 51.4 77.0

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#64

Chlorobenzene

Concen: 101.026 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051610.D

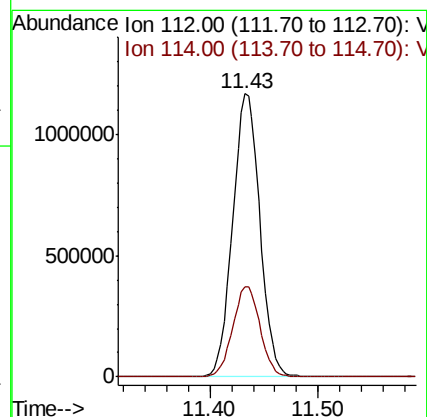
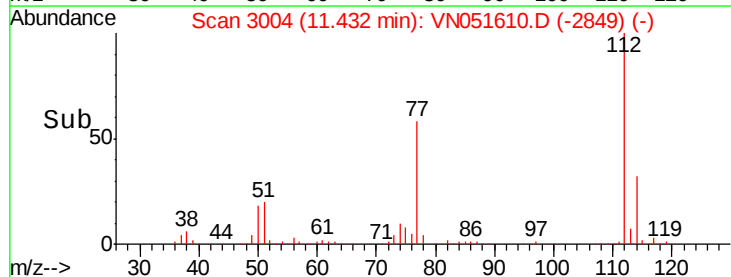
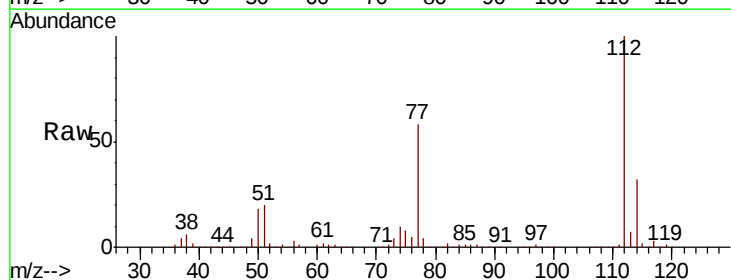
Acq: 28 Sep 2018 9:28

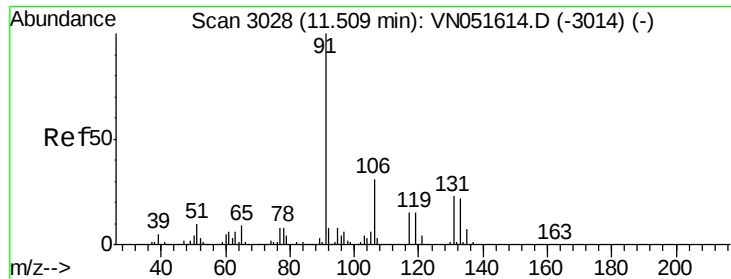
Tgt Ion: 112 Resp: 2056189

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 98.819 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

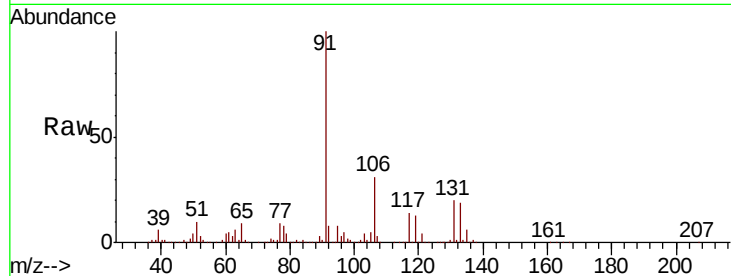
ClientSampled :

VSTDIC100

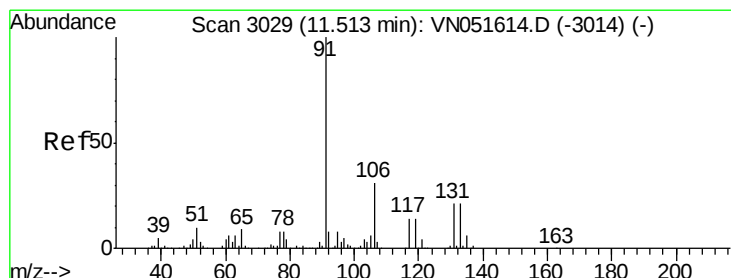
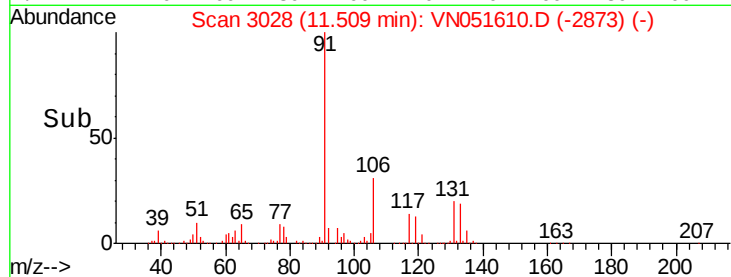
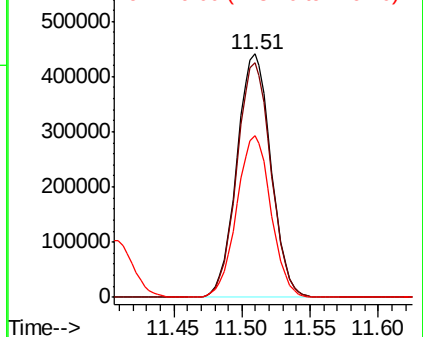
Tot Ion:	131	Resp:	768003
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	193.0
119	66.4	0.0	135.0

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



#66

Ethyl Benzene

Concen: 106.583 ug/l

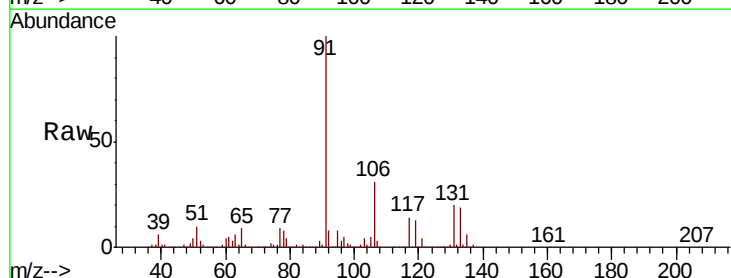
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

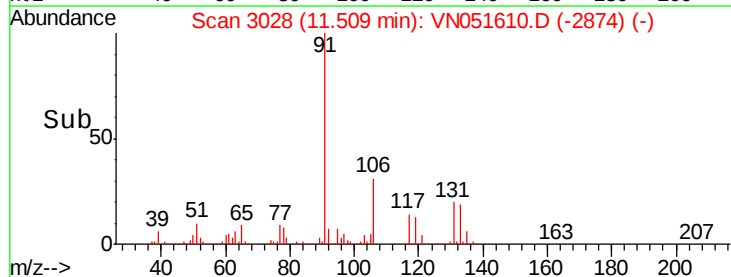
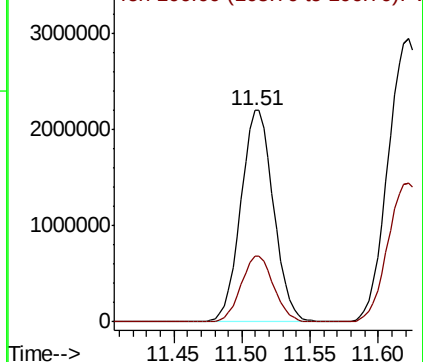
Lab File: VN051610.D

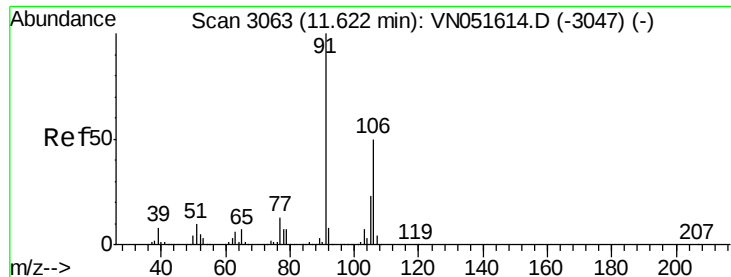
Acq: 28 Sep 2018 9:28

Tgt Ion:	91	Resp:	3671997
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.0	37.4



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





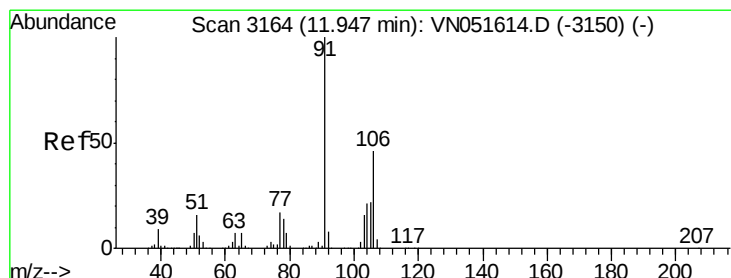
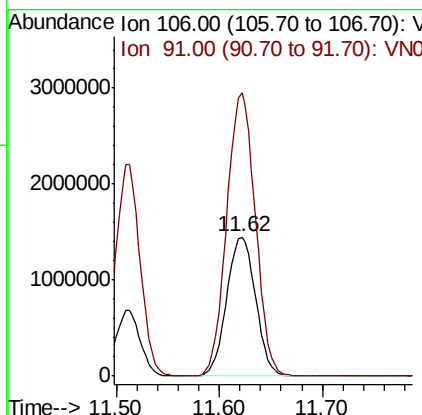
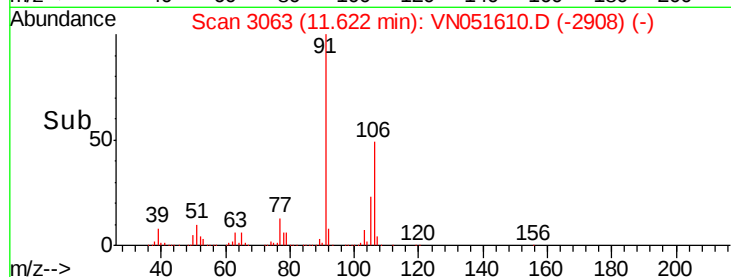
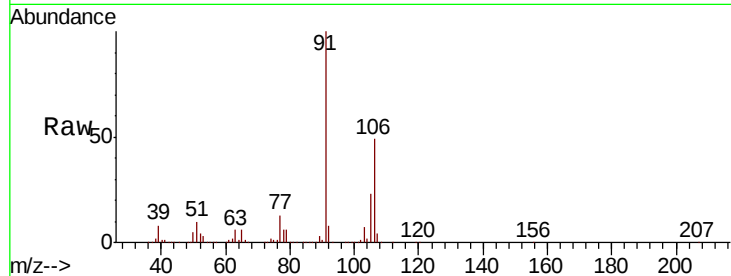
#67
m/p-Xylenes
Concen: 212.853 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2826256
Ion Ratio Lower Upper
106 100
91 202.0 161.5 242.3

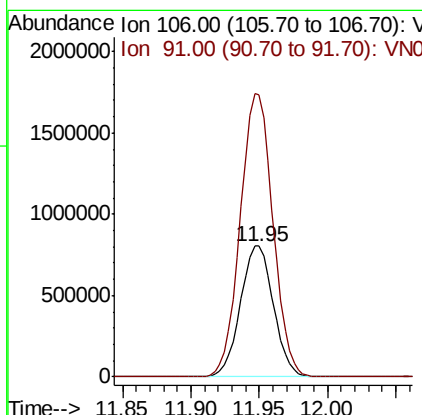
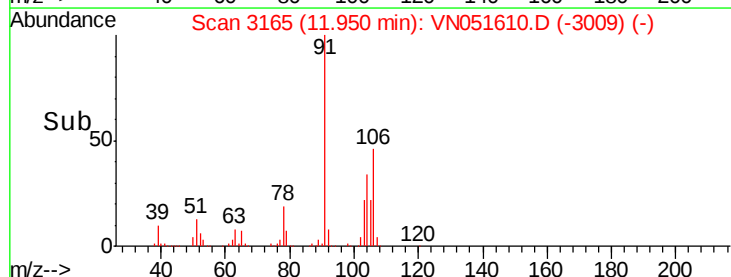
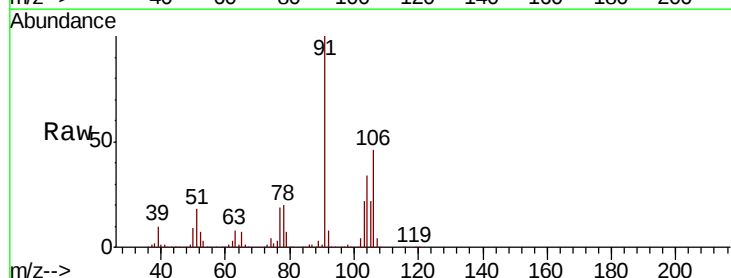
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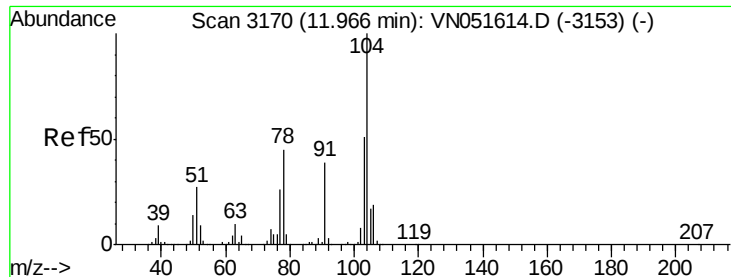
MMDadoda
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#68
o-Xylene
Concen: 106.563 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion:106 Resp: 1350695
Ion Ratio Lower Upper
106 100
91 214.4 109.7 329.1





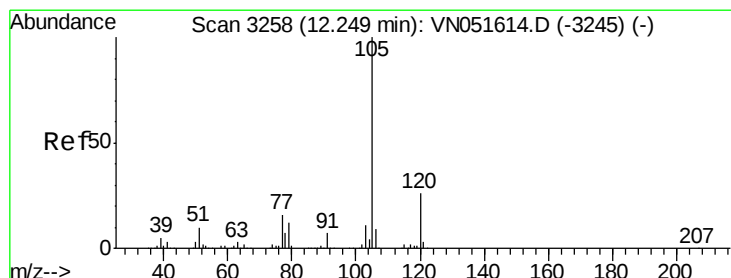
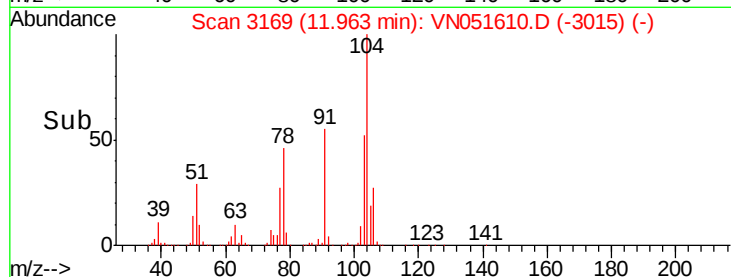
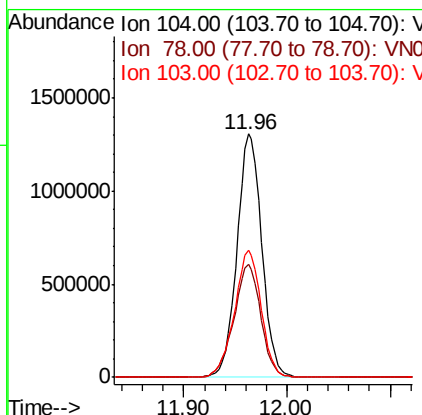
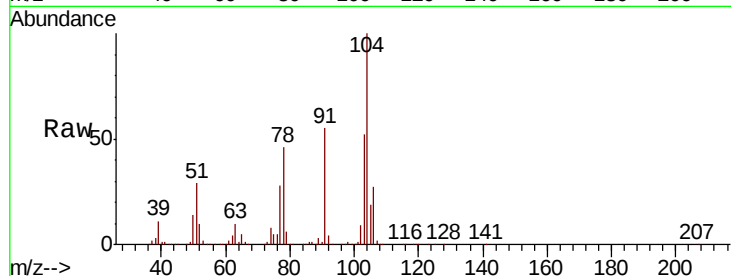
#69
Stvrene
Concen: 109.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	40.3	60.5
103	56.1	45.7	68.5

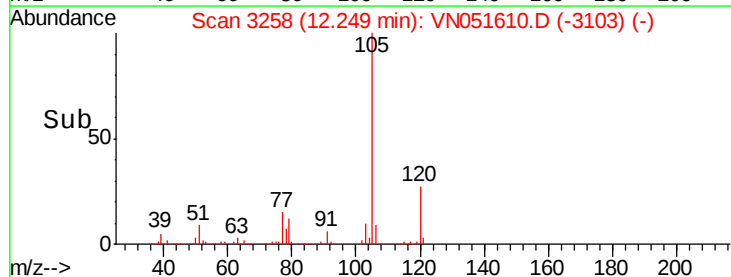
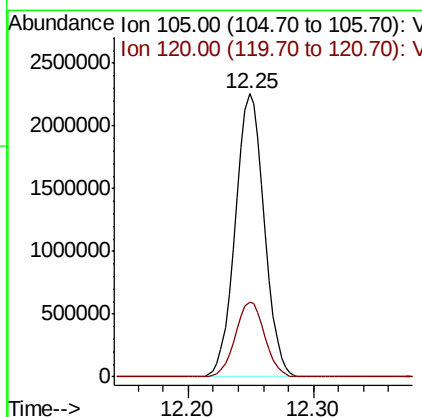
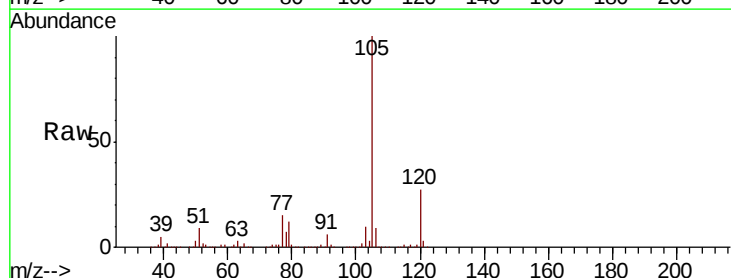
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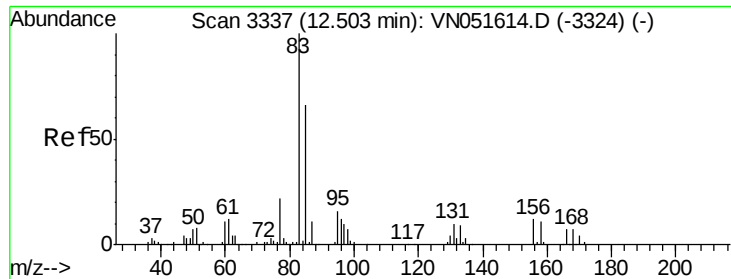
MMDadoda
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#70
Isopropylbenzene
Concen: 106.820 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.7	34.7





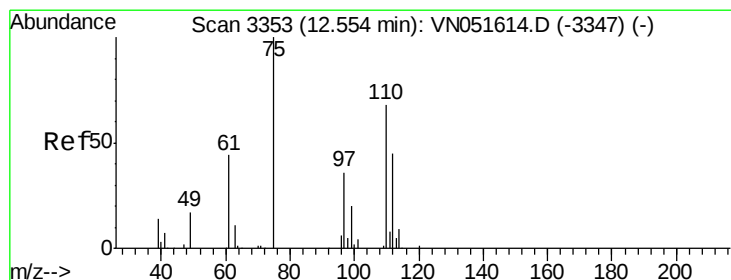
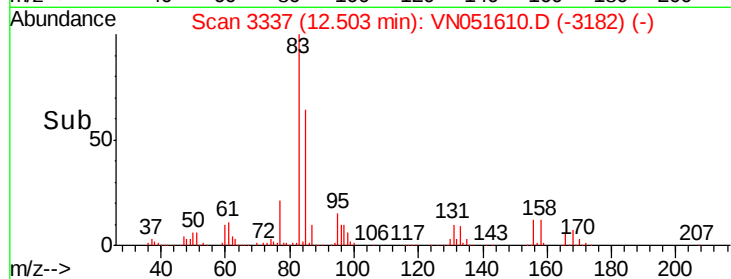
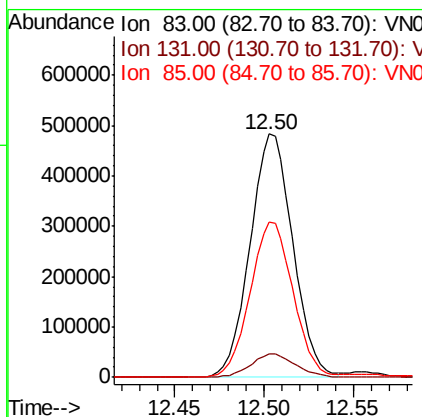
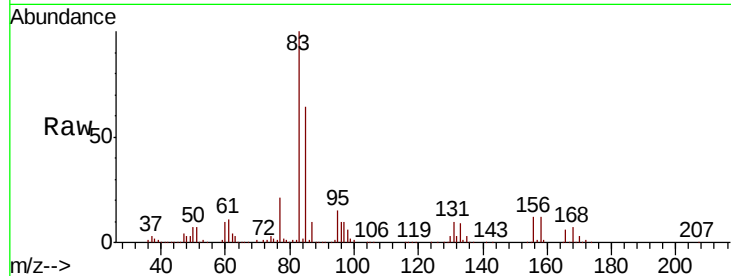
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.979 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.2	5.2	15.6	
85	64.1	32.0	96.2	

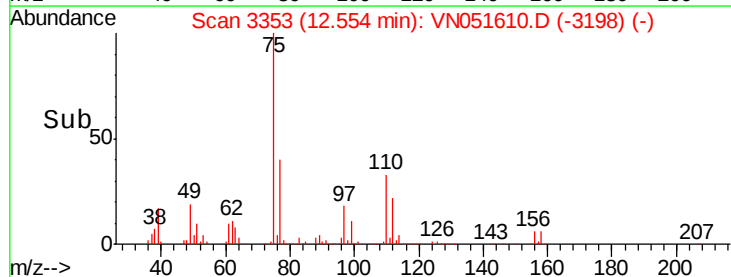
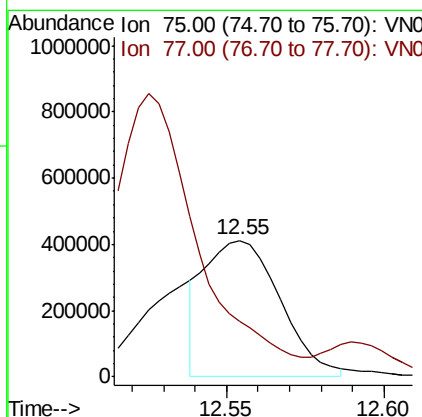
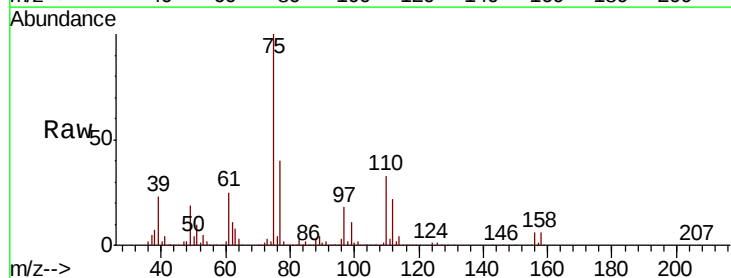
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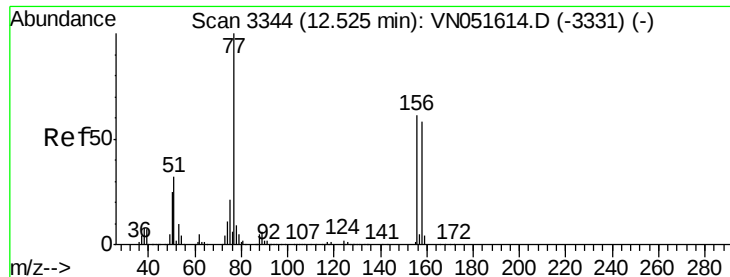
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#72
 1,2,3-Trichloropropane
 Concen: 102.411 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	237.3	0.0	492.2	





#73

Bromobenzene

Concen: 104.072 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

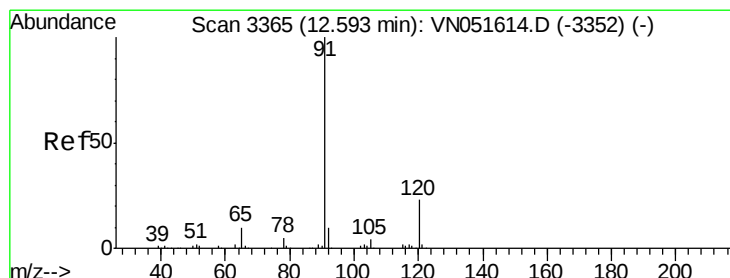
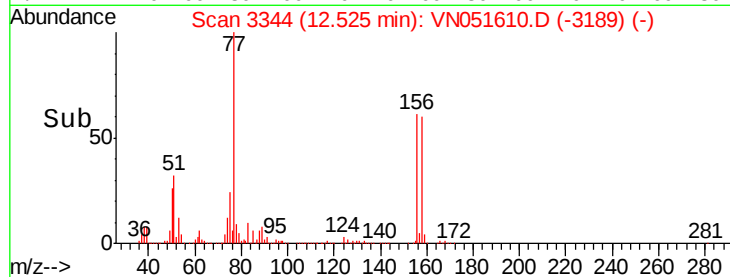
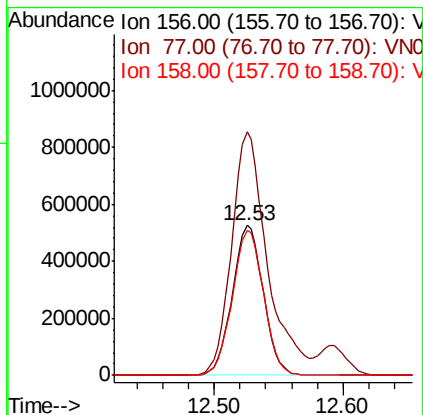
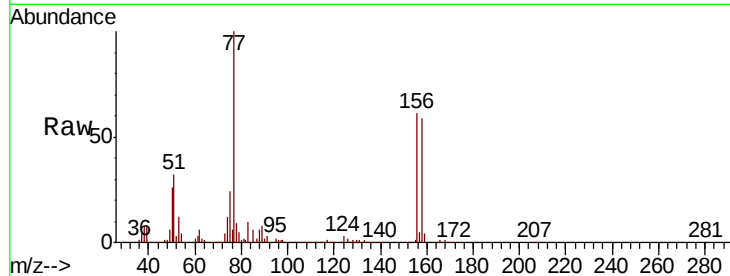
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.0	0.0	385.2
158	97.5	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 107.958 ug/l

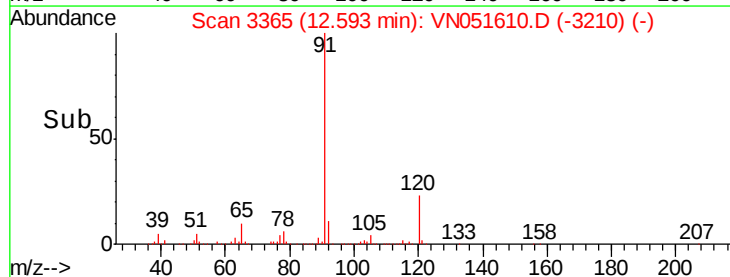
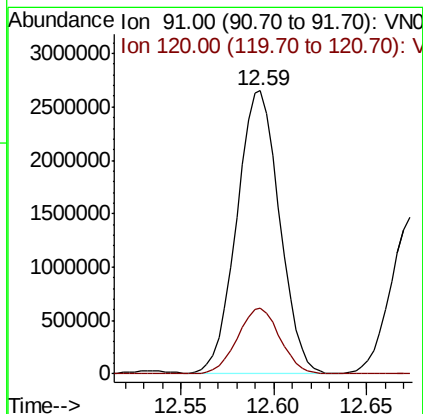
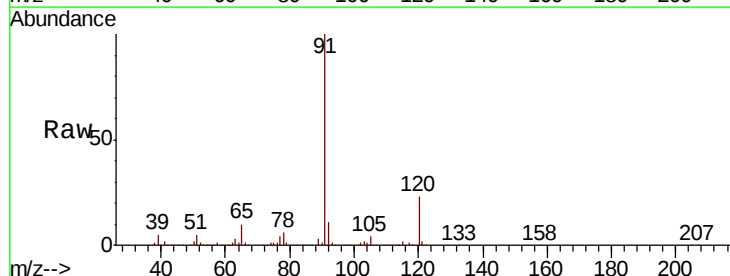
RT: 12.59 min Scan# 3365

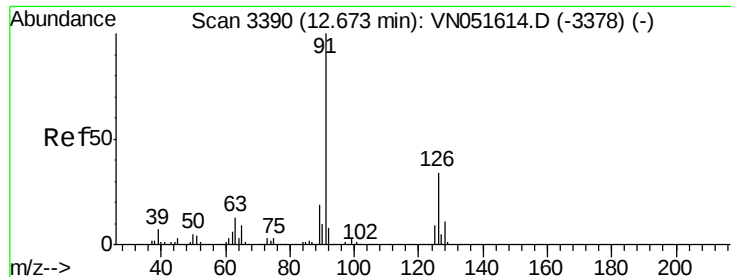
Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	45.4





#75

2-Chlorotoluene

Concen: 104.142 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2447724

Ion Ratio Lower Upper

91 100

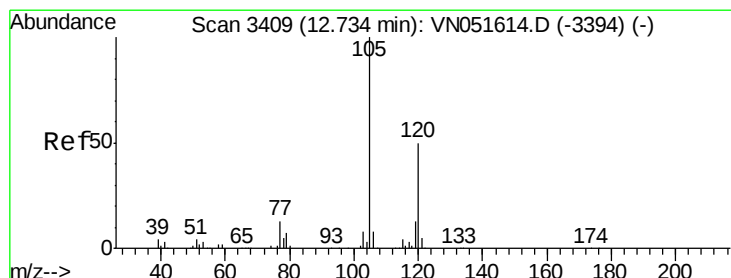
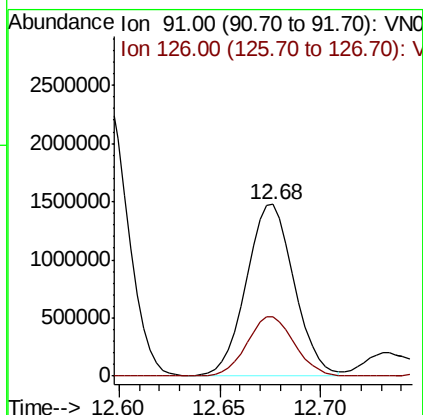
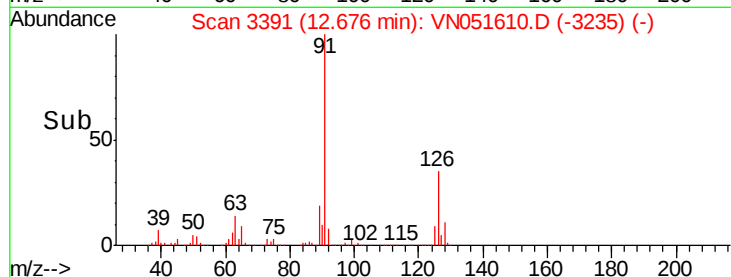
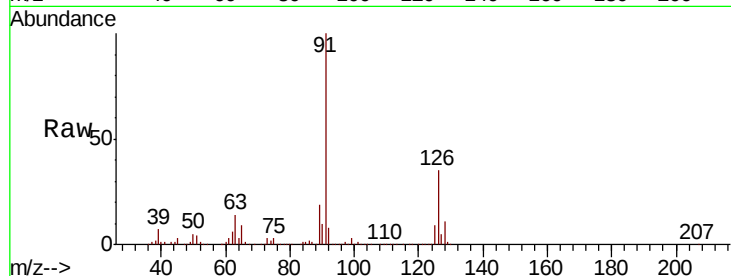
126 34.7 0.0 69.2

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#76

1,3,5-Trimethylbenzene

Concen: 106.774 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051610.D

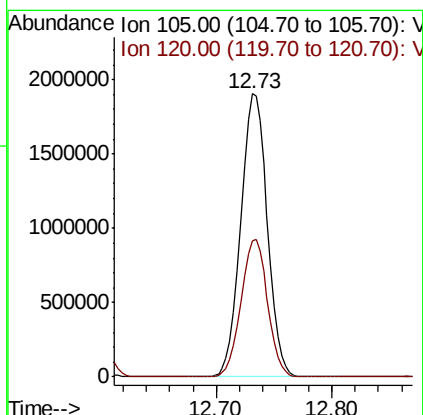
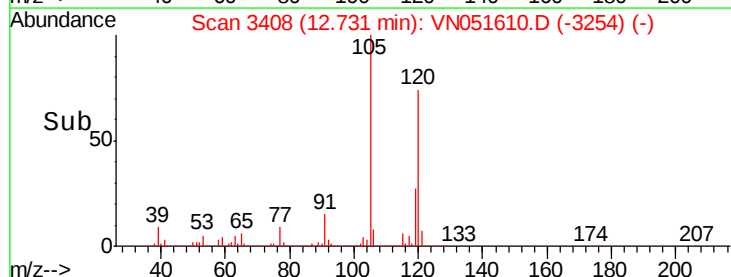
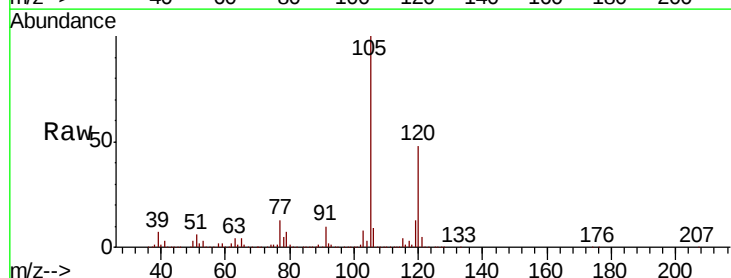
Acq: 28 Sep 2018 9:28

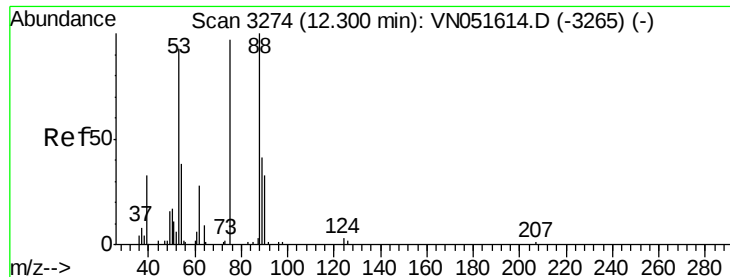
Tgt Ion: 105 Resp: 3016530

Ion Ratio Lower Upper

105 100

120 48.5 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 114.301 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

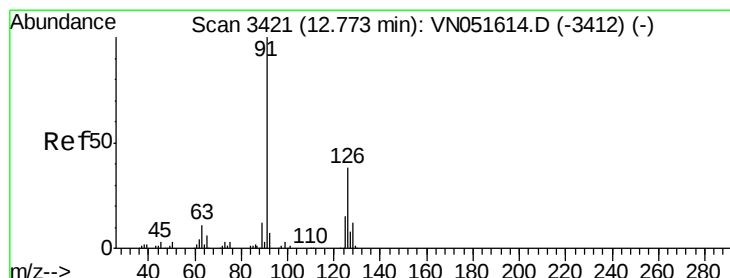
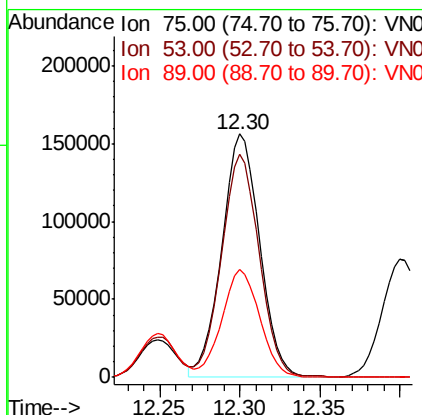
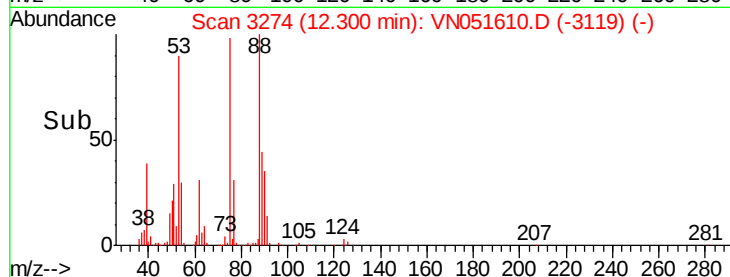
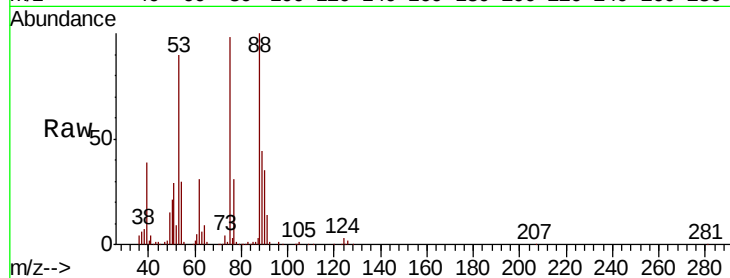
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	253175
Ion Ratio	Lower	Upper	
75	100		
53	91.7	48.1	144.4
89	44.2	22.4	67.3

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#78

4-Chlorotoluene

Concen: 107.870 ug/l

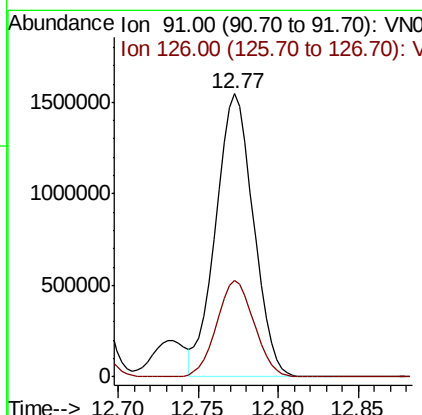
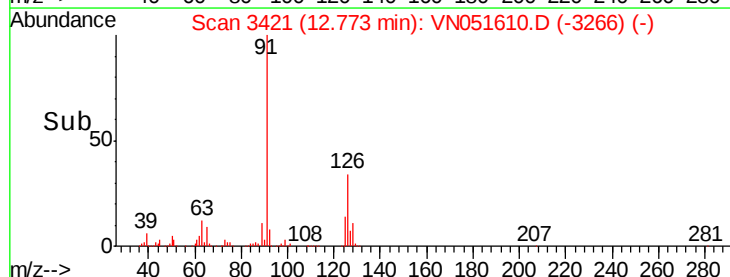
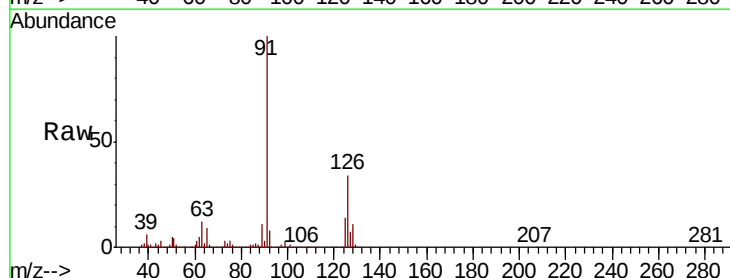
RT: 12.77 min Scan# 3421

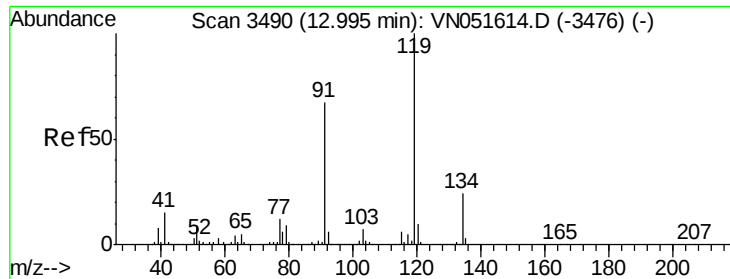
Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion:	91	Resp:	2504397
Ion Ratio	Lower	Upper	
91	100		
126	33.9	0.0	68.6





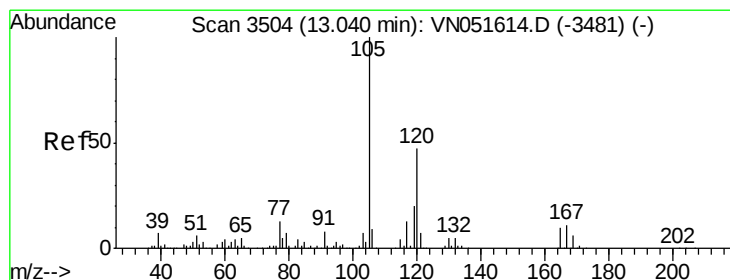
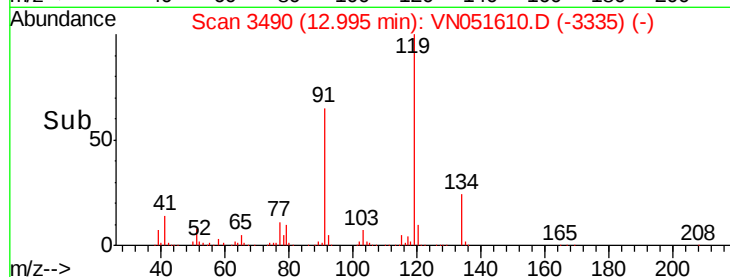
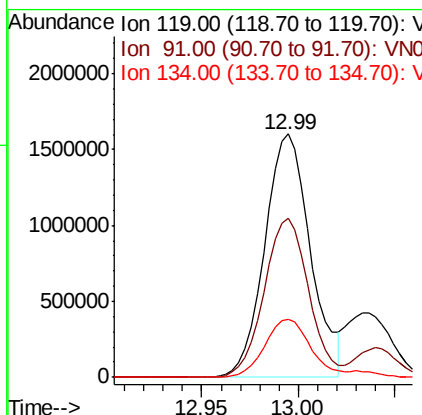
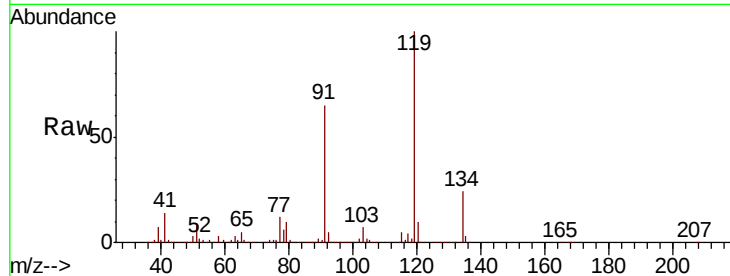
#79
tert-butylbenzene
Concen: 107.431 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	0.0	132.4
134	23.9	0.0	48.4

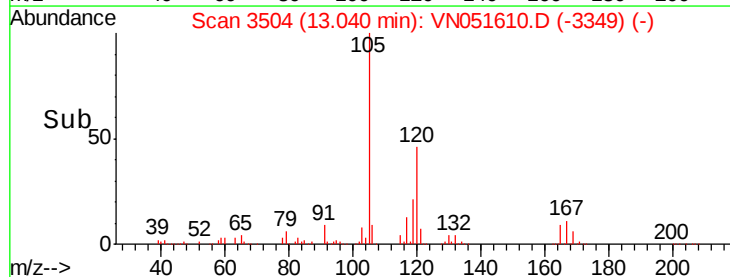
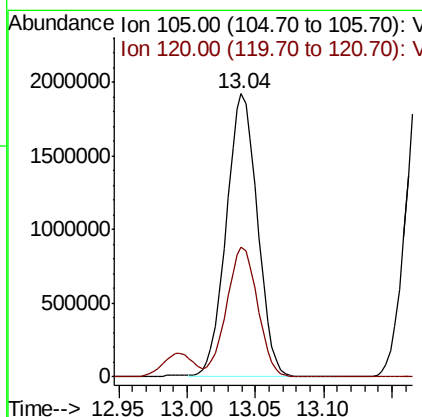
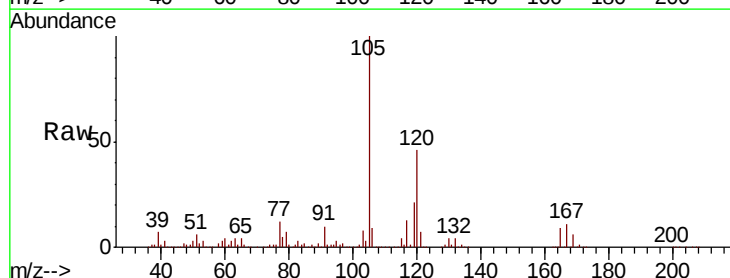
Manual Integrations
APPROVED

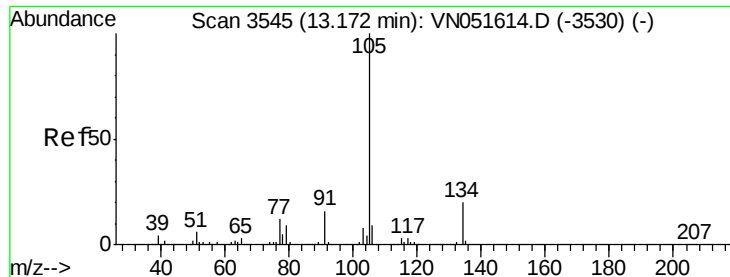
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#80
1,2,4-Trimethylbenzene
Concen: 107.982 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.6





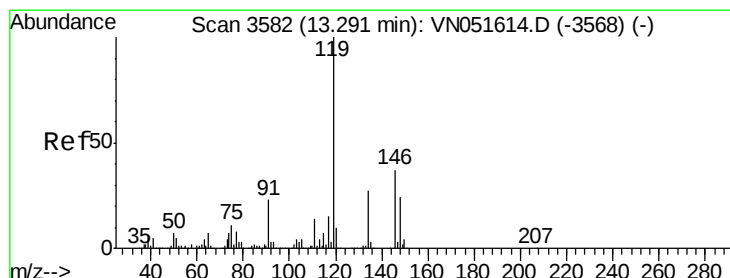
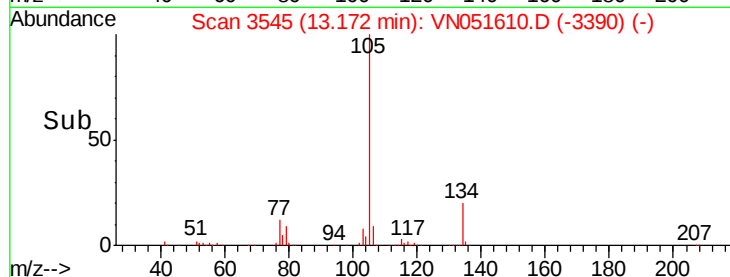
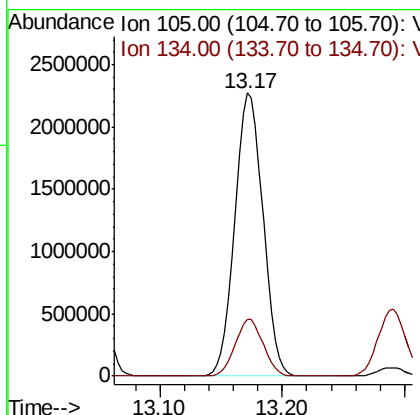
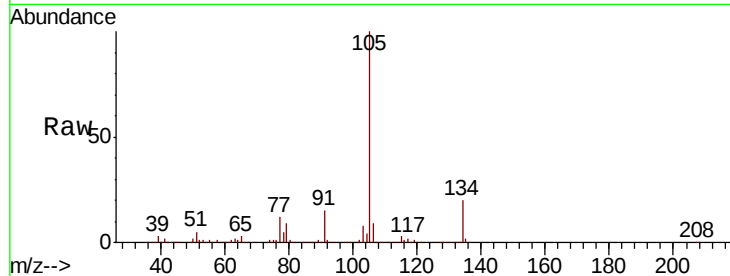
#81
 sec-Butylbenzene
 Concen: 107.231 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 3625513
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 39.8

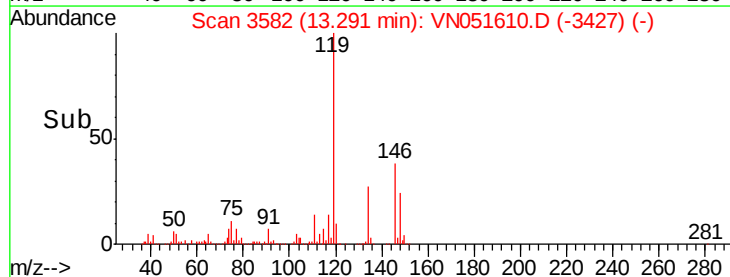
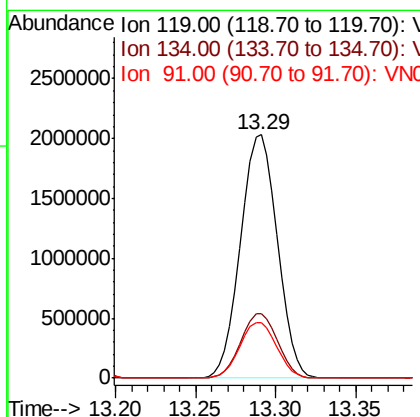
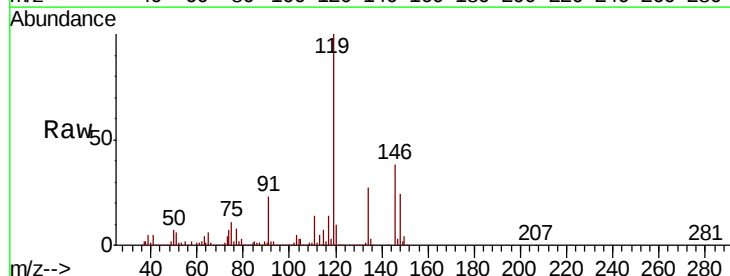
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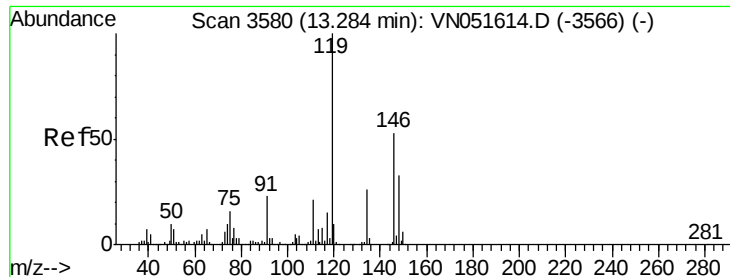
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#82
 p-Isopropyltoluene
 Concen: 110.393 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion:119 Resp: 3190034
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.0
 91 22.9 0.0 46.0





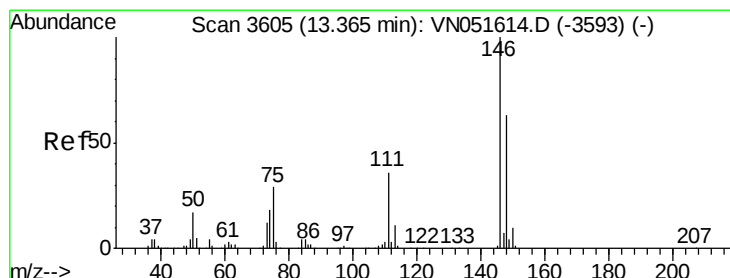
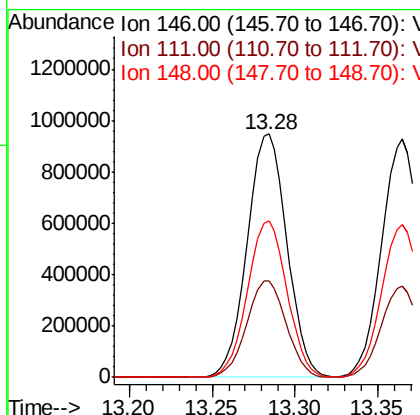
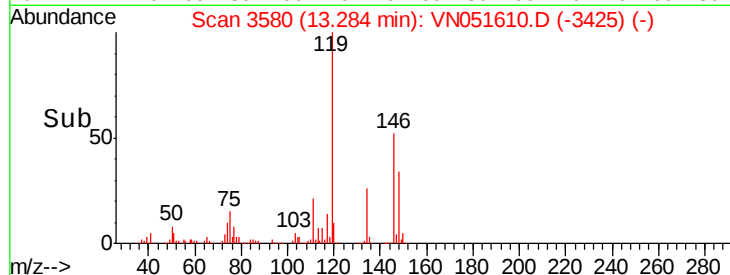
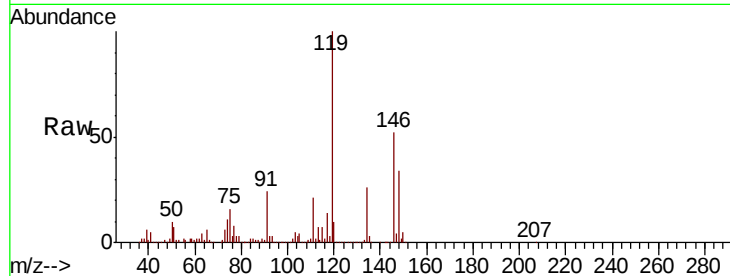
#83
 1,3-Dichlorobenzene
 Concen: 107.668 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	63.8	32.4	97.2

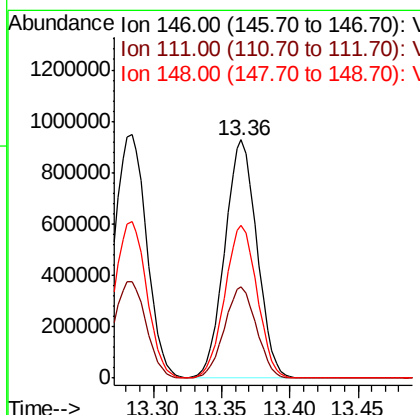
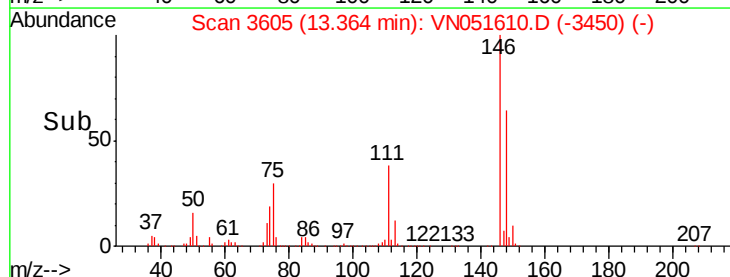
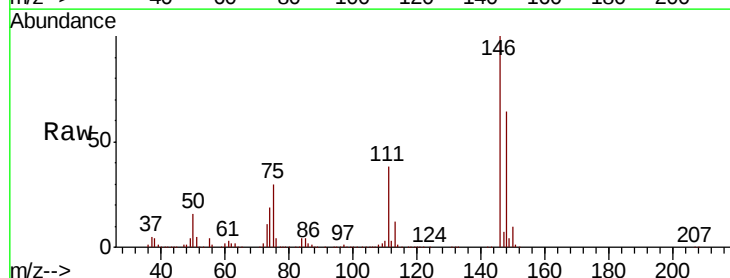
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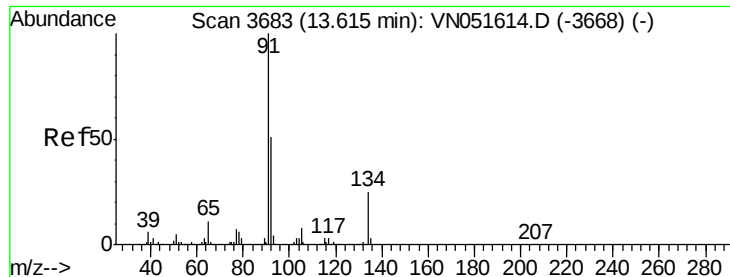
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#84
 1,4-Dichlorobenzene
 Concen: 110.197 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.5	32.1	96.5





#85

n-Butylbenzene

Concen: 117.084 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2777132

Ion Ratio Lower Upper

91 100

92 51.6 0.0 101.6

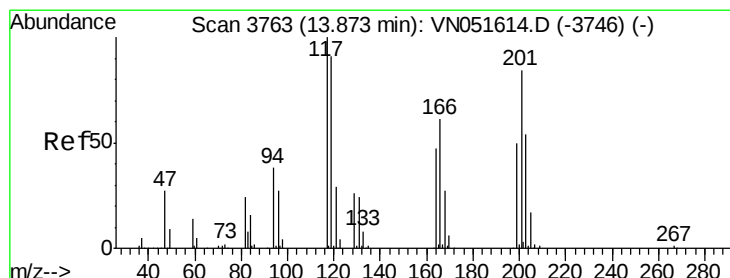
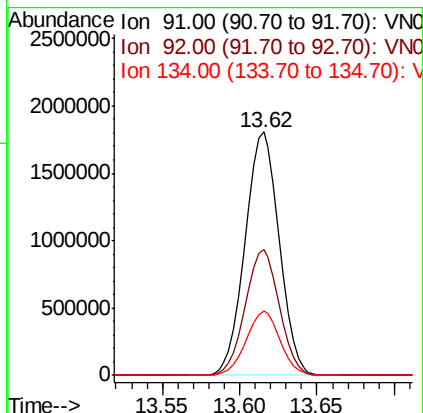
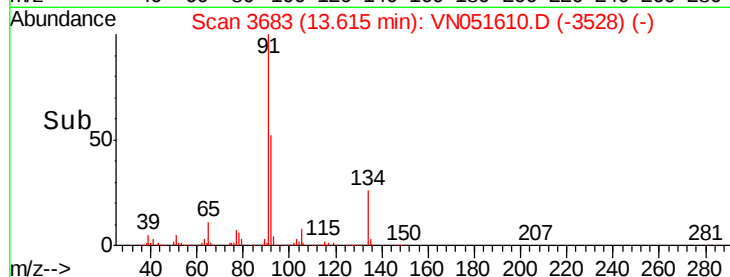
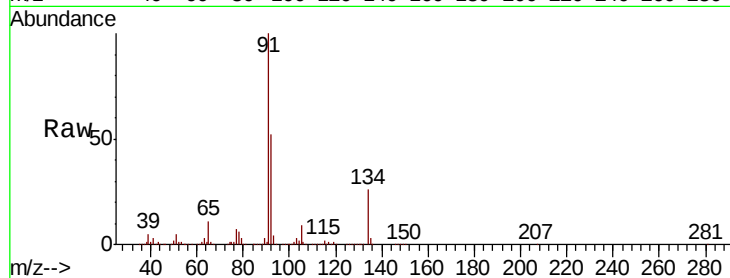
134 26.1 0.0 50.6

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#86

Hexachloroethane

Concen: 101.987 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051610.D

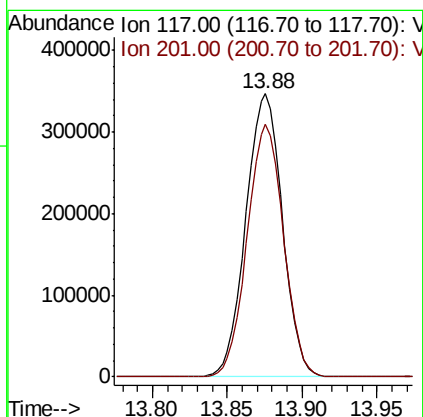
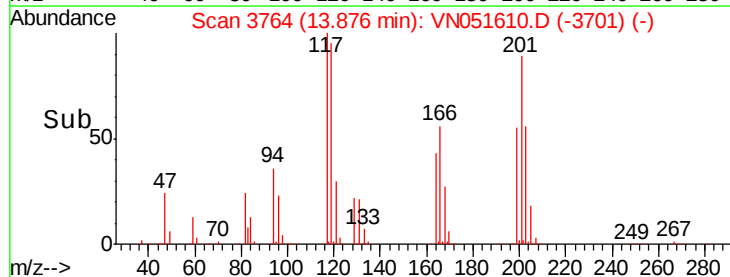
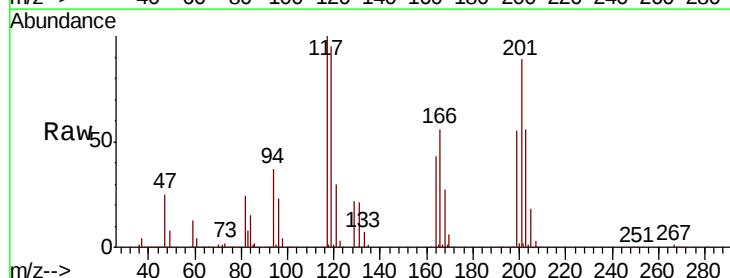
Acq: 28 Sep 2018 9:28

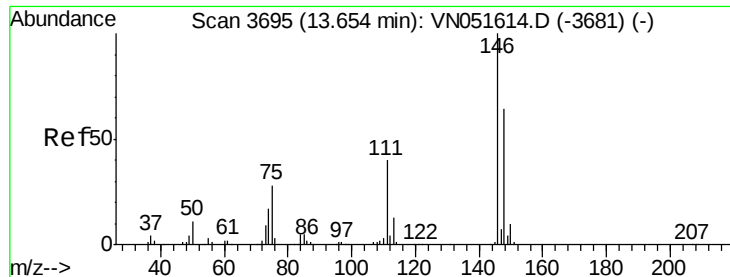
Tgt Ion: 117 Resp: 589458

Ion Ratio Lower Upper

117 100

201 88.7 42.9 128.5





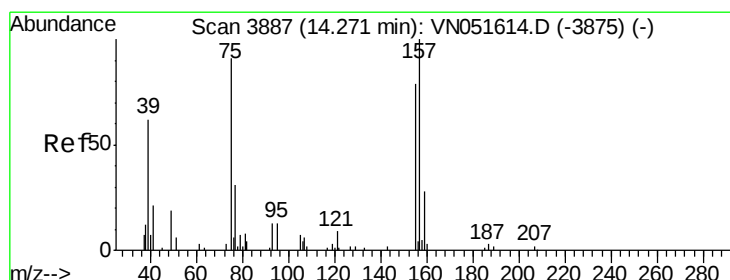
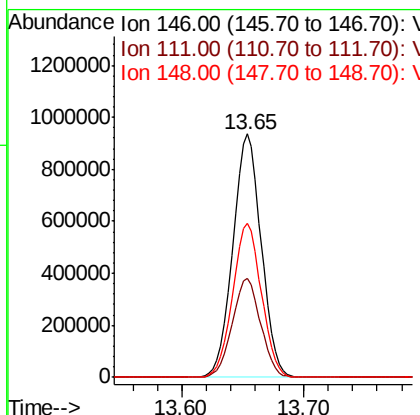
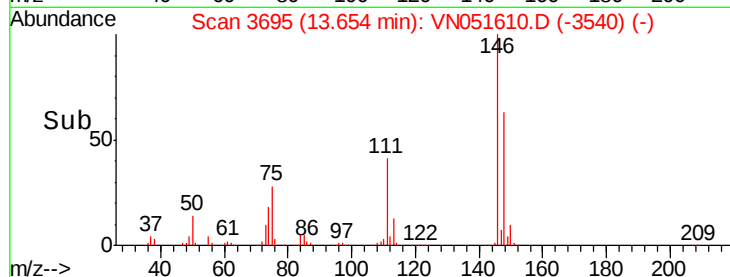
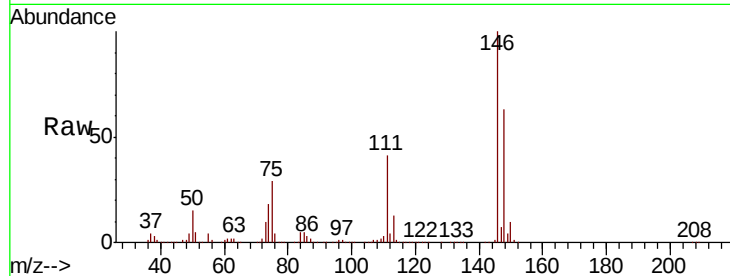
#87
 1,2-Dichlorobenzene
 Concen: 105.199 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	63.8	32.1	96.5

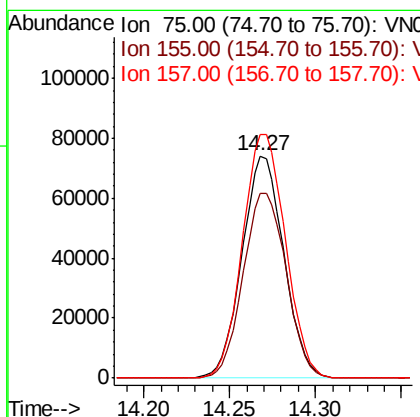
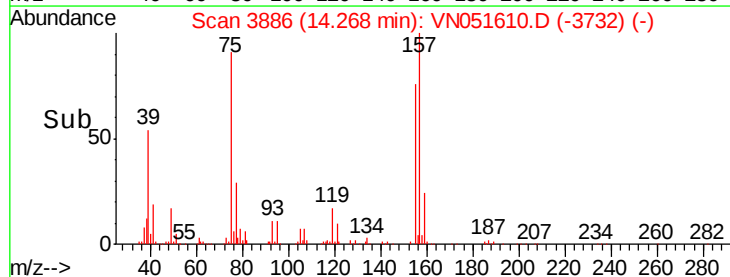
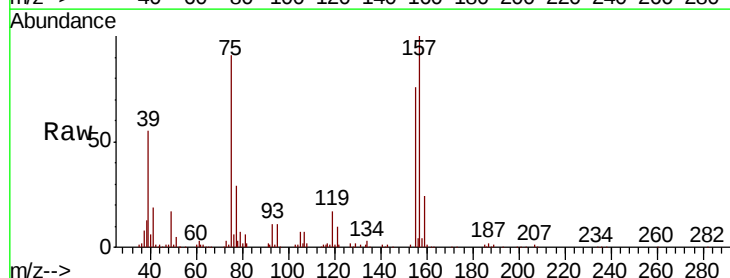
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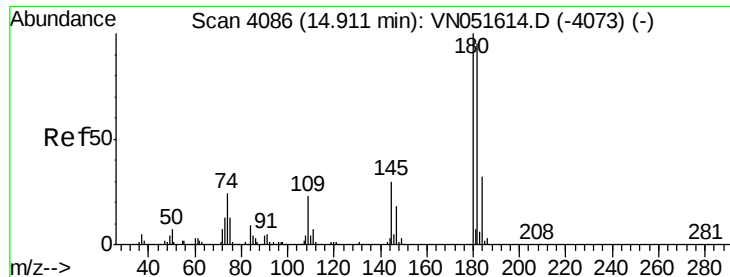
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 105.041 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	67.1	100.7
157	112.4	85.8	128.6





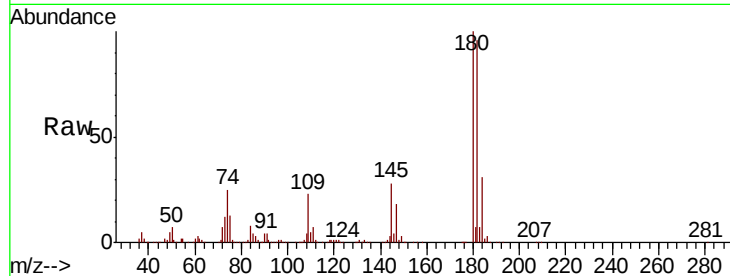
#89
 1,2,4-Trichlorobenzene
 Concen: 128.923 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

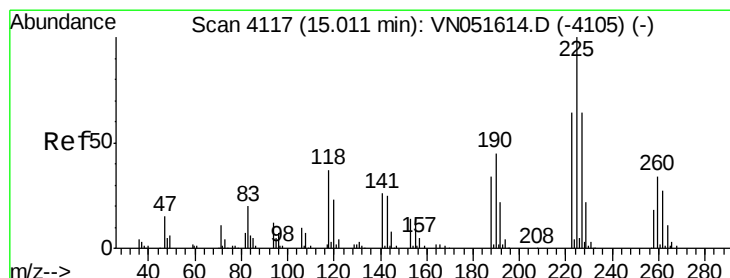
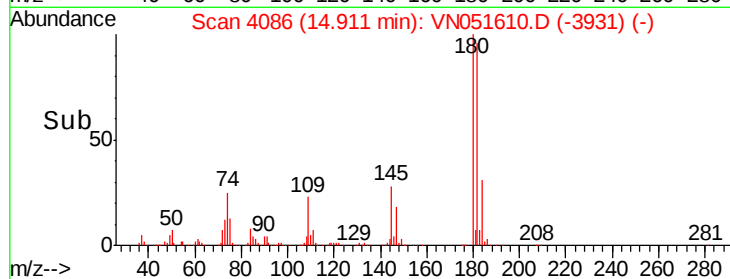
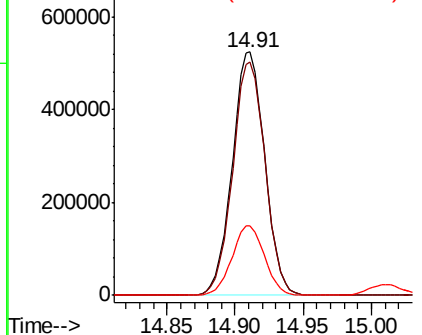
Tot Ion:	180	Resp:	865450
Ion Ratio	Lower	Upper	
180	100		
182	95.9	75.2	112.8
145	28.6	22.9	34.3

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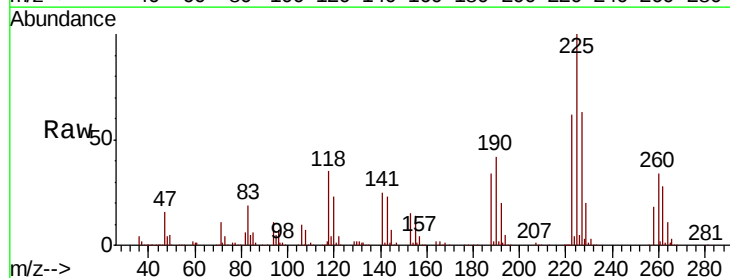


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

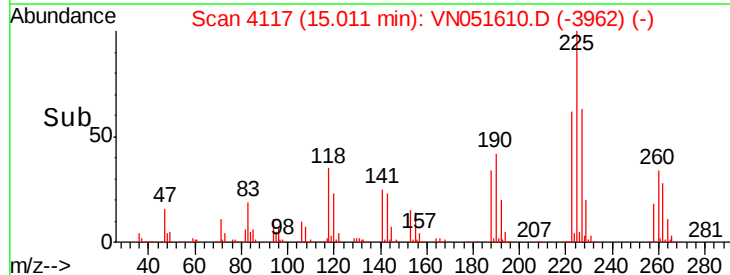
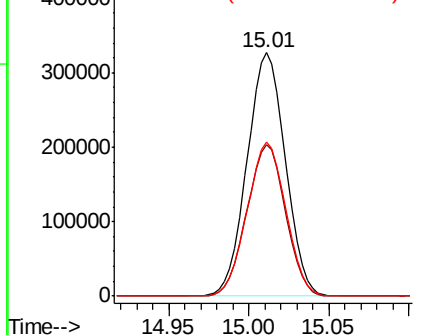


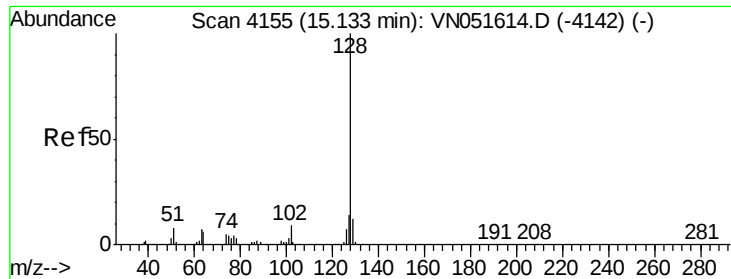
#90
 Hexachlorobutadiene
 Concen: 98.346 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion:	225	Resp:	538223
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	131.0
227	63.9	0.0	129.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





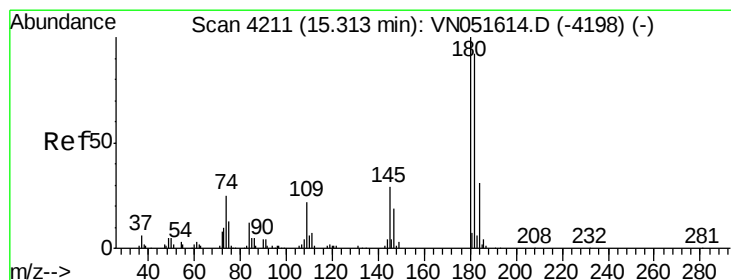
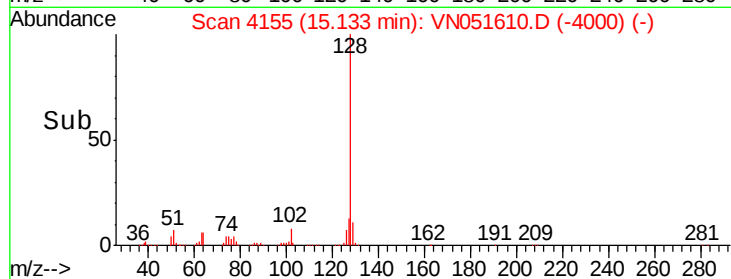
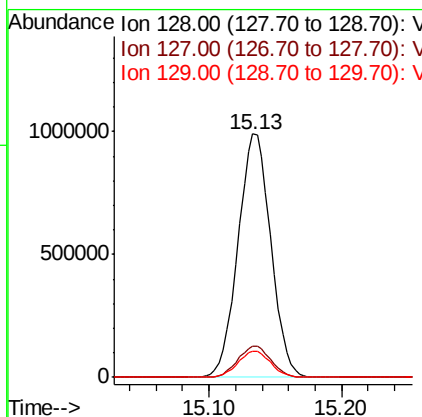
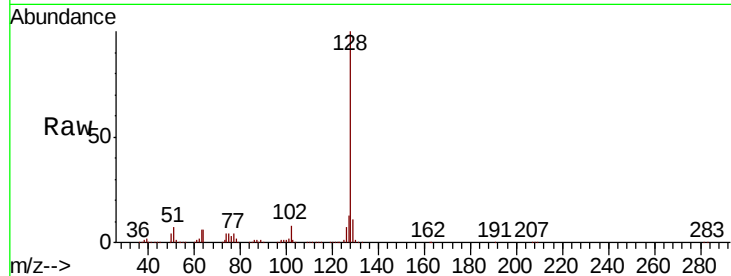
#91
Naphthalene
Concen: 134.752 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.7	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:37 PM



#92
1,2,3-Trichlorobenzene
Concen: 121.789 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	191.8
145	29.6	0.0	60.4

