

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057112.D
 Acq On : 7 Aug 2019 18:26
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:15 PM

Quant Time: Aug 08 05:49:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1132214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.00	114	1669635	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1339238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	343335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	9998	1.133 ug/l	96
3) Chloromethane	2.00	50	14398	1.220 ug/l	93
4) Vinyl Chloride	2.11	62	11582	1.027 ug/l	99
6) Chloroethane	2.55	64	8020	1.445 ug/l	98
7) Trichlorofluoromethane	2.82	101	16377	1.053 ug/l	96
8) Diethyl Ether	3.14	74	6498	1.024 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	10645	1.081 ug/l	100
12) 1,1-Dichloroethene	3.43	96	9693	0.982 ug/l	94
14) Allyl chloride	3.91	41	13853	0.935 ug/l	97
15) Acrylonitrile	4.46	53	19274	4.649 ug/l	97
16) Acetone	3.48	43	18330	5.108 ug/l	100
17) Carbon Disulfide	3.72	76	26965	1.116 ug/l #	95
18) Methyl Acetate	3.89	43	27801	2.239 ug/l	93
19) Methyl tert-butyl Ether	4.50	73	28094	0.972 ug/l #	89
20) Methylene Chloride	4.09	84	13524	1.193 ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	11030	1.060 ug/l	96
22) Diisopropyl ether	5.31	45	30831	0.991 ug/l #	79
23) Vinyl Acetate	5.27	43	105490	4.538 ug/l	97
24) 1,1-Dichloroethane	5.25	63	19595	1.023 ug/l	98
25) 2-Butanone	6.21	43	22589	4.413 ug/l	92
26) 2,2-Dichloropropane	6.22	77	13202m	0.904 ug/l	
27) cis-1,2-Dichloroethene	6.21	96	11516	0.948 ug/l	95
28) Bromochloromethane	6.59	49	8392	0.990 ug/l #	98
29) Tetrahydrofuran	6.60	42	17060	5.123 ug/l #	82
30) Chloroform	6.75	83	22386	1.166 ug/l	90
32) 1,1,1-Trichloroethane	6.98	97	16291	1.017 ug/l #	49
36) 1,1-Dichloropropene	7.20	75	12285	0.847 ug/l #	90
37) Ethyl Acetate	6.30	43	7504	0.679 ug/l #	95
38) Carbon Tetrachloride	7.18	117	14909	1.067 ug/l	89
39) Methylcyclohexane	8.52	83	16586	0.988 ug/l	90
40) Benzene	7.46	78	43318	0.968 ug/l	97
41) Methacrylonitrile	6.54	41	5238m	1.126 ug/l	
42) 1,2-Dichloroethane	7.54	62	14453	1.031 ug/l	88
43) Isopropyl Acetate	7.57	43	18646	0.925 ug/l #	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

44) Trichloroethene	8.27	130	12364	1.011	ug/l	92
45) 1,2-Dichloropropane	8.56	63	11196	0.967	ug/l	98
46) Dibromomethane	8.65	93	7255	1.007	ug/l	96
47) Bromodichloromethane	8.85	83	12671	0.916	ug/l #	96
48) Methyl methacrylate	8.64	41	9077	1.023	ug/l	86
49) 1,4-Dioxane	8.64	88	3379	18.742	ug/l #	63
51) 4-Methyl-2-Pentanone	9.45	43	50244	4.989	ug/l	95
52) Toluene	9.62	92	25911	0.953	ug/l	93
53) t-1,3-Dichloropropene	9.86	75	12363	0.852	ug/l	99
54) cis-1,3-Dichloropropene	9.29	75	14597	0.858	ug/l	93
55) 1,1,2-Trichloroethane	10.04	97	10775	1.039	ug/l	92
56) Ethyl methacrylate	9.90	69	12929	0.910	ug/l	96
57) 1,3-Dichloropropane	10.19	76	16778	0.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	19297	3.764	ug/l	98
59) 2-Hexanone	10.24	43	30986	4.289	ug/l	98
60) Dibromochloromethane	10.39	129	9341	0.866	ug/l	99
61) 1,2-Dibromoethane	10.49	107	10838	1.023	ug/l	96
64) Tetrachloroethene	10.11	164	12145	1.078	ug/l	94
65) Chlorobenzene	10.93	112	28277	1.046	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.01	131	9963	1.000	ug/l #	63
67) Ethyl Benzene	11.01	91	44609	0.959	ug/l	100
68) m/p-Xylenes	11.12	106	31486	1.796	ug/l	94
69) o-Xylene	11.45	106	16535	0.960	ug/l	92
70) Styrene	11.48	104	22085	0.804	ug/l	97
71) Bromoform	11.64	173	6328	0.899	ug/l #	98
73) Isopropylbenzene	11.76	105	41422	1.485	ug/l	100
74) N-amyl acetate	11.58	43	8239	1.007	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.02	83	12982	1.655	ug/l	93
76) 1,2,3-Trichloropropane	12.07	75	6901m	1.065	ug/l	
77) Bromobenzene	12.05	156	9837	1.324	ug/l	91
78) n-propylbenzene	12.11	91	35738	1.249	ug/l	100
79) 2-Chlorotoluene	12.19	91	27011	1.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	29490	1.266	ug/l	84
82) 4-Chlorotoluene	12.29	91	21703	1.265	ug/l	96
83) tert-Butylbenzene	12.52	119	31280	1.519	ug/l	97
84) 1,2,4-Trimethylbenzene	12.57	105	29553	1.327	ug/l	95
85) sec-Butylbenzene	12.70	105	34077	1.341	ug/l	95
86) p-Isopropyltoluene	12.82	119	29923	1.332	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	12728	1.110	ug/l	97
88) 1,4-Dichlorobenzene	12.89	146	12389m	1.123	ug/l	
89) n-Butylbenzene	13.15	91	16506	0.961	ug/l	97
90) Hexachloroethane	13.41	117	6100	1.567	ug/l	86
91) 1,2-Dichlorobenzene	13.18	146	14230	1.249	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.80	75	1480	1.328	ug/l	64
93) 1,2,4-Trichlorobenzene	14.45	180	3947	0.771	ug/l	79
94) Hexachlorobutadiene	14.55	225	7115	1.562	ug/l	93
95) Naphthalene	14.66	128	6627	0.636	ug/l #	73
96) 1,2,3-Trichlorobenzene	14.83	180	5282	1.007	ug/l	97

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VSTDICC001

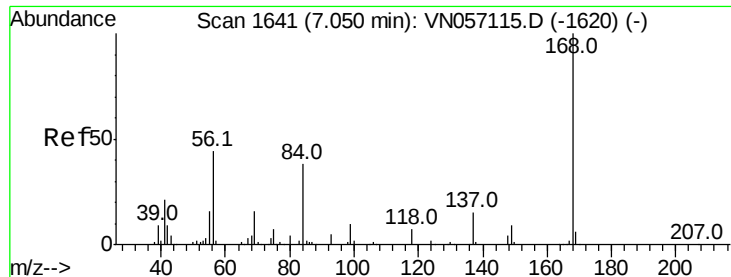
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 1132214

Ion Ratio Lower Upper

168 100

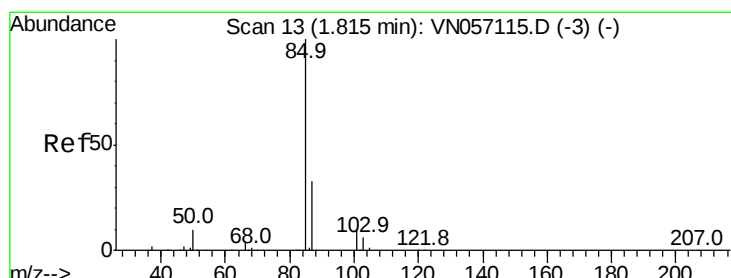
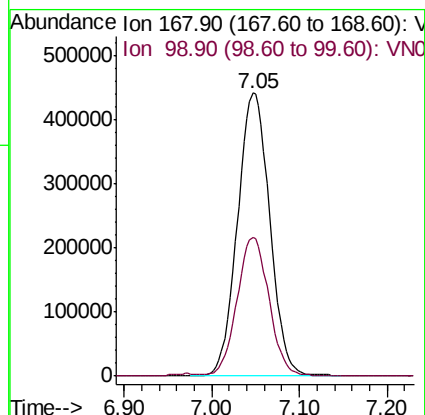
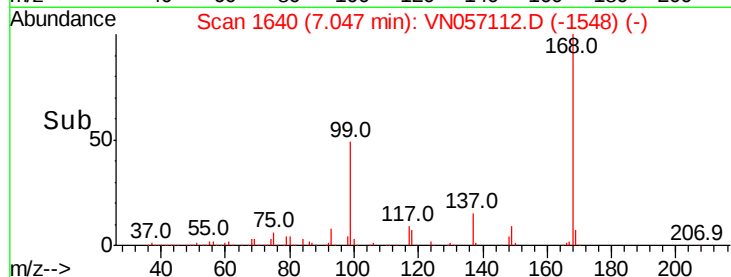
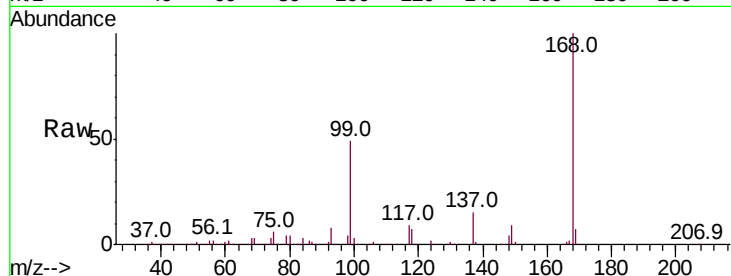
99 48.8 38.6 57.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.133 ug/l

RT: 1.82 min Scan# 13

Delta R.T. 0.00 min

Lab File: VN057112.D

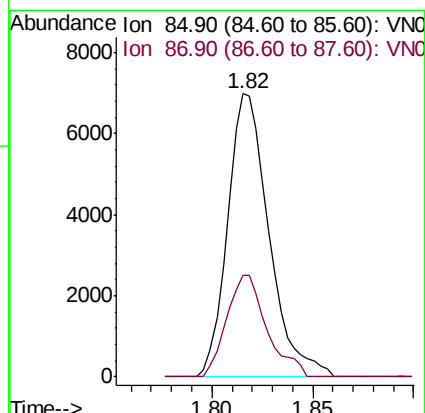
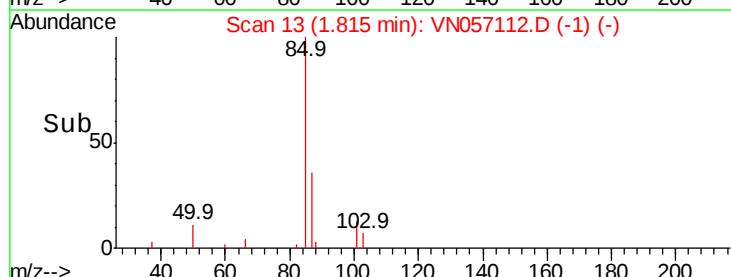
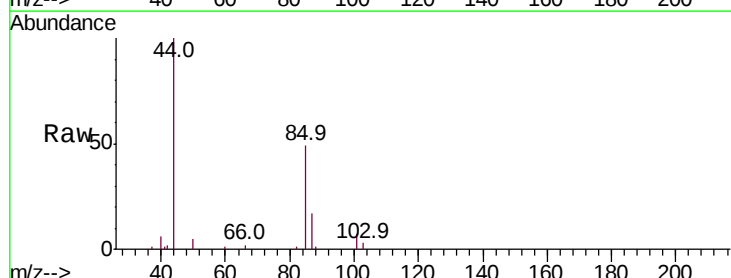
Acq: 7 Aug 2019 18:26

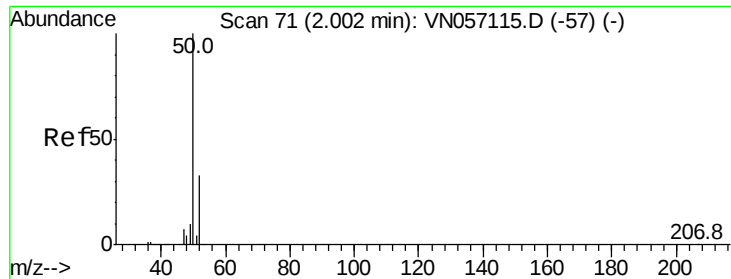
Tgt Ion: 85 Resp: 9998

Ion Ratio Lower Upper

85 100

87 35.8 16.7 50.0





#3

Chloromethane

Concen: 1.220 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 14398

Ion Ratio Lower Upper

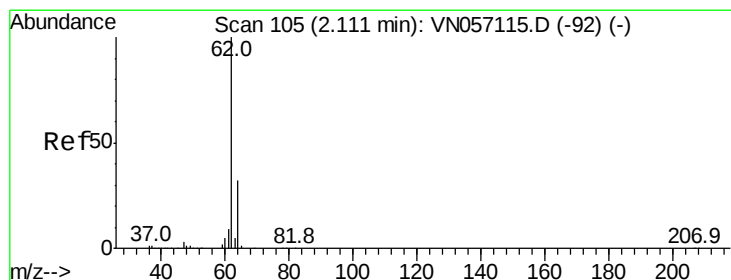
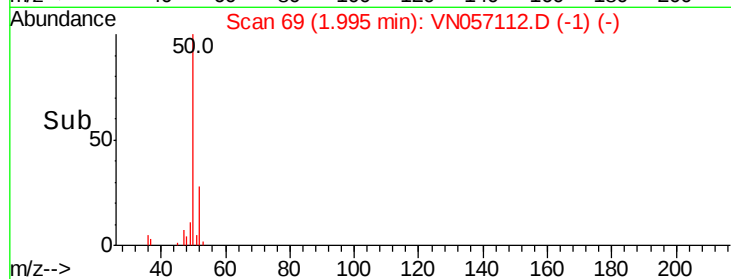
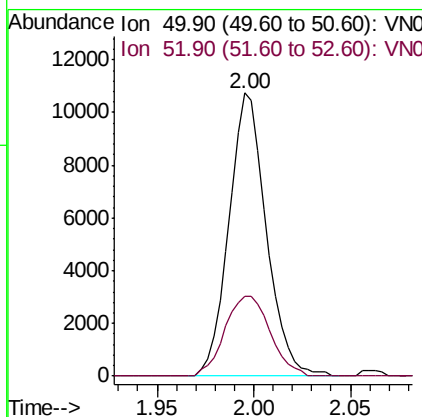
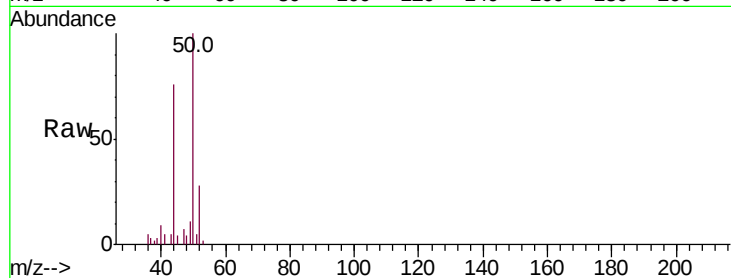
50 100

52 28.4 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.027 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057112.D

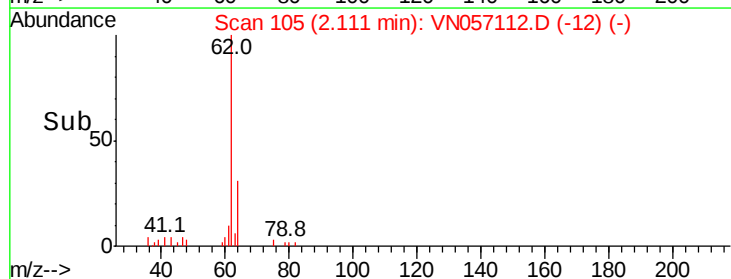
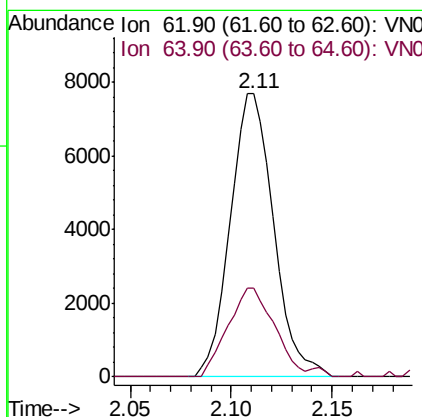
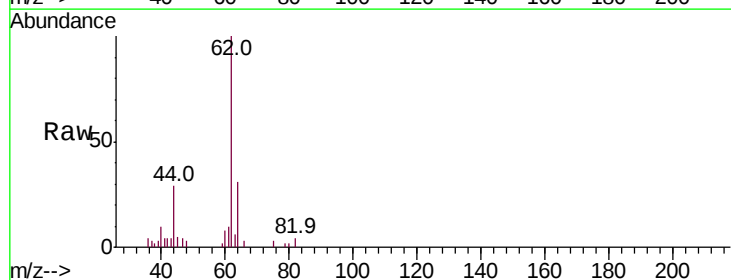
Acq: 7 Aug 2019 18:26

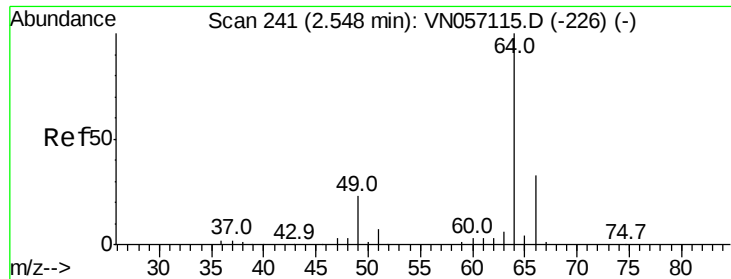
Tgt Ion: 62 Resp: 11582

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#6

Chloroethane

Concen: 1.445 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 8020

Ion Ratio Lower Upper

64 100

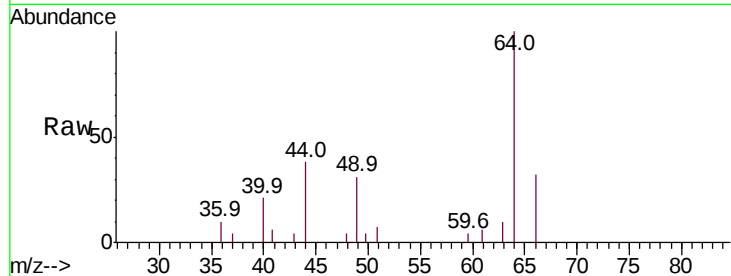
66 31.5 26.2 39.4

Manual Integrations

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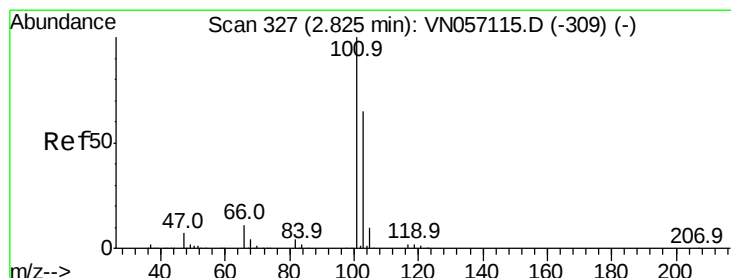
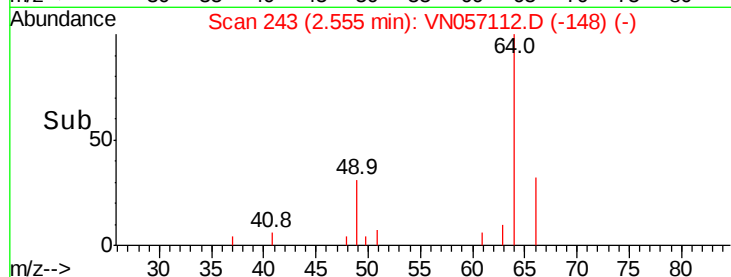


Abundance Ion 63.90 (63.60 to 64.60): VN057112.D (-226) (-)

Ion 65.90 (65.60 to 66.60): VN057112.D (-226) (-)

2.55

Time-->



#7

Trichlorofluoromethane

Concen: 1.053 ug/l

RT: 2.82 min Scan# 327

Delta R.T. 0.00 min

Lab File: VN057112.D

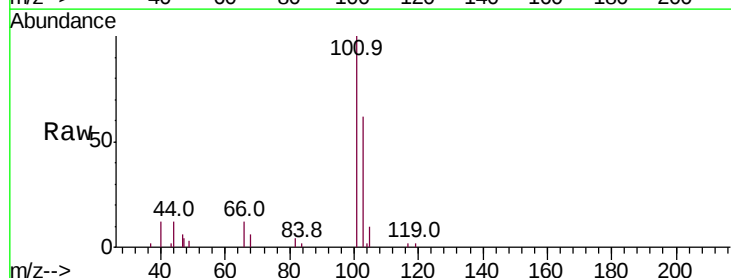
Acq: 7 Aug 2019 18:26

Tgt Ion: 101 Resp: 16377

Ion Ratio Lower Upper

101 100

103 62.2 52.2 78.4

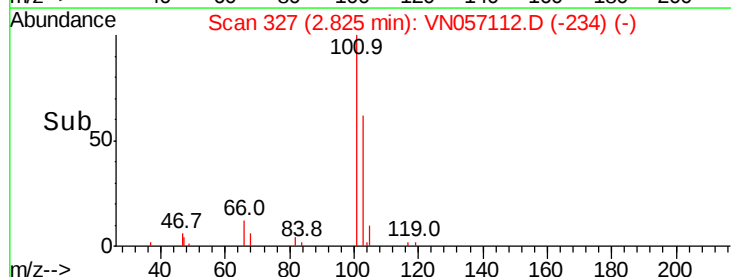


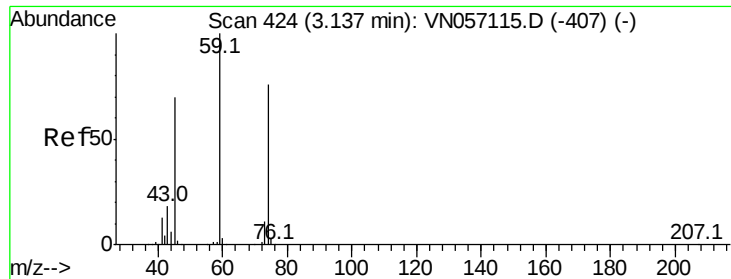
Abundance Ion 100.90 (100.60 to 101.60): VN057112.D (-309) (-)

Ion 102.80 (102.50 to 103.50): VN057112.D (-309) (-)

2.82

Time-->





#8

Diethyl Ether

Concen: 1.024 ug/l

RT: 3.14 min Scan# 425

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 6498

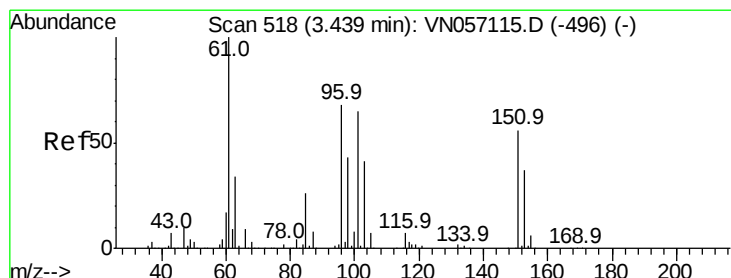
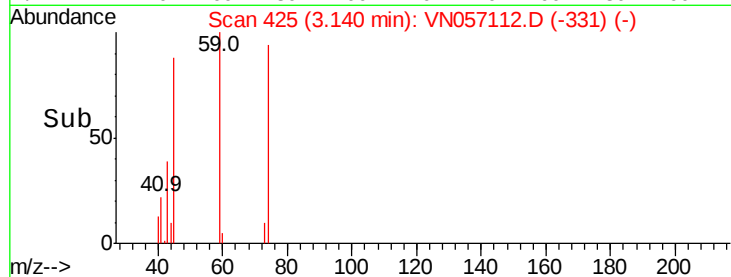
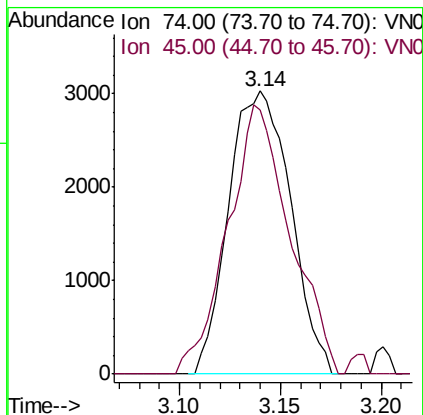
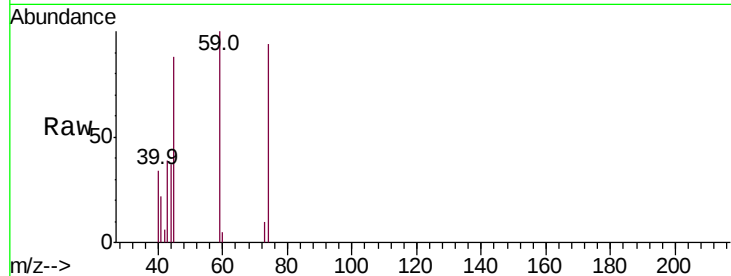
Ion Ratio Lower Upper

74 100

45 95.4 46.3 138.8

Manual Integrations
APPROVED

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8/8/2019 2:40:15 PM



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.081 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

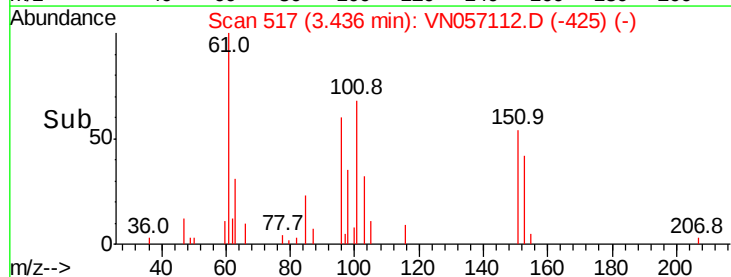
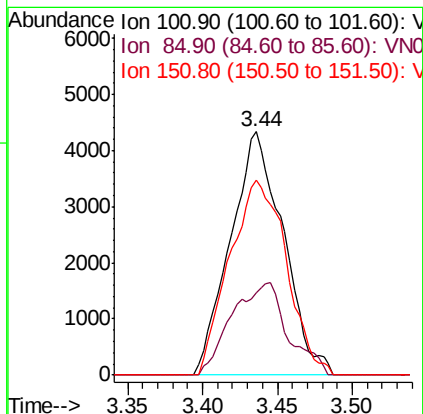
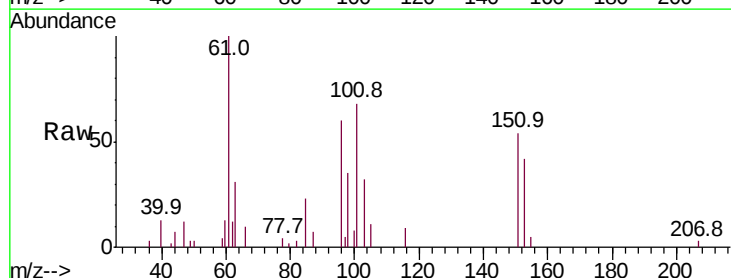
Tgt Ion: 101 Resp: 10645

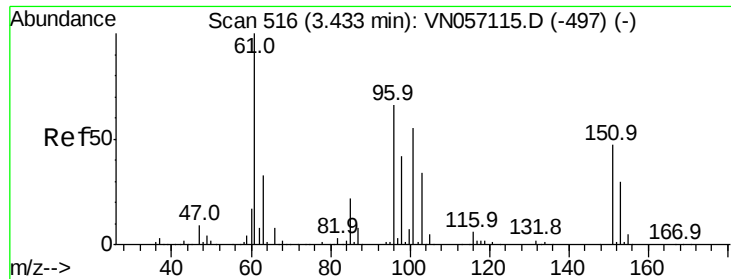
Ion Ratio Lower Upper

101 100

85 40.3 32.3 48.5

151 86.3 69.4 104.0





#12

1,1-Dichloroethene

Concen: 0.982 ug/l

RT: 3.43 min Scan# 515

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 9693

Ion Ratio Lower Upper

96 100

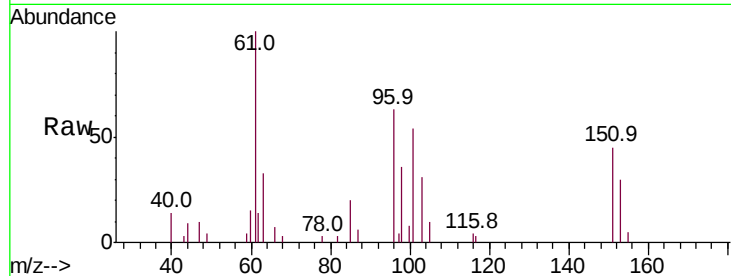
61 157.7 121.0 181.6

98 56.1 50.8 76.2

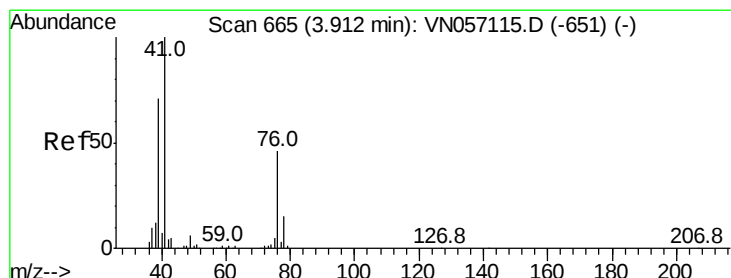
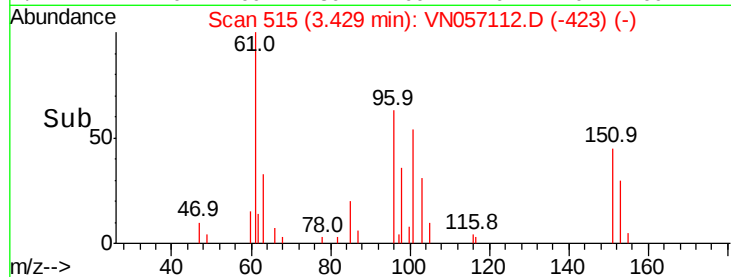
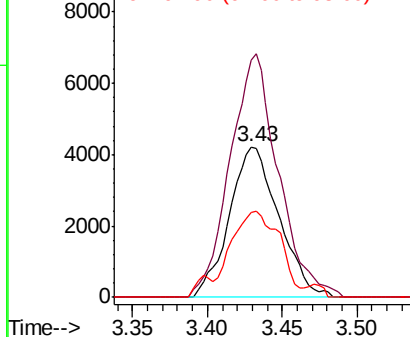
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#14

Allyl chloride

Concen: 0.935 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

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Acq: 7 Aug 2019 18:26

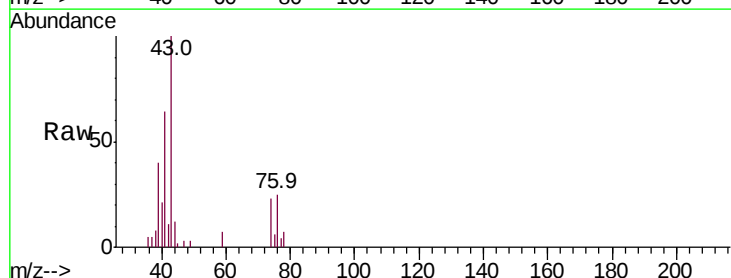
Tgt Ion: 41 Resp: 13853

Ion Ratio Lower Upper

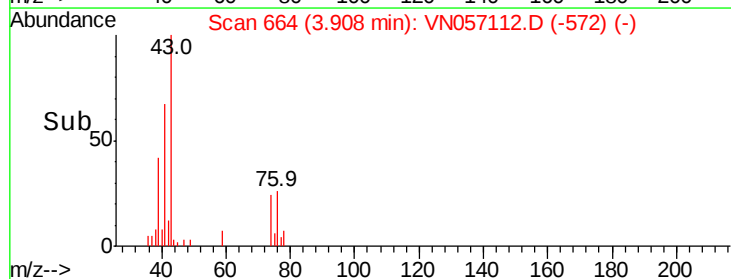
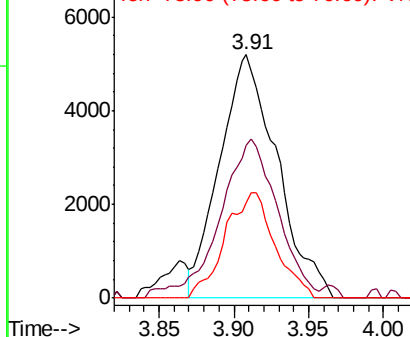
41 100

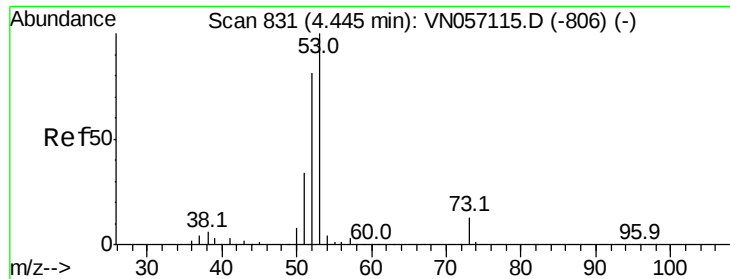
39 65.8 51.1 76.7

76 37.8 32.8 49.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 4.649 ug/l

RT: 4.46 min Scan# 836

Delta R.T. 0.02 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

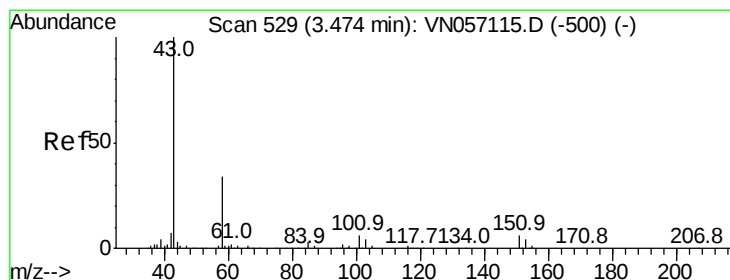
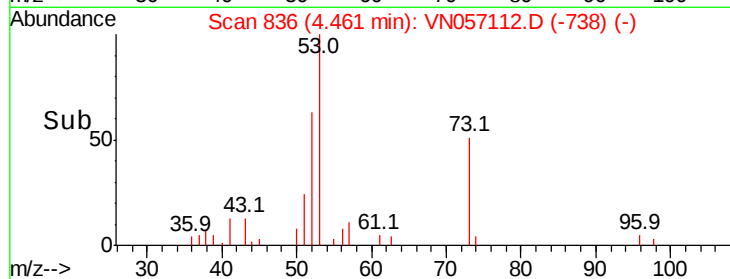
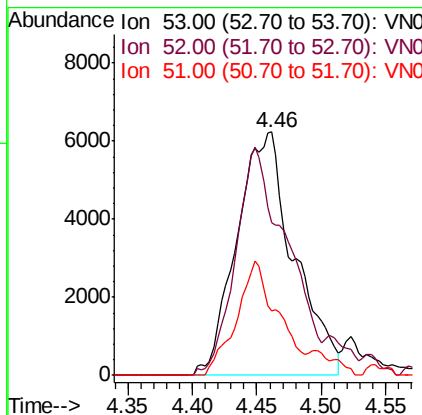
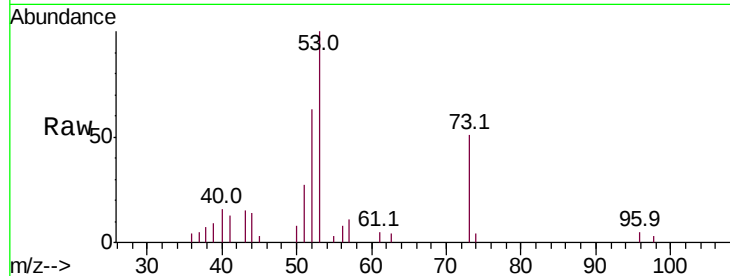
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	19274
Ion	Ratio	Lower	Upper
53	100		
52	84.3	64.9	97.3
51	33.7	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 5.108 ug/l

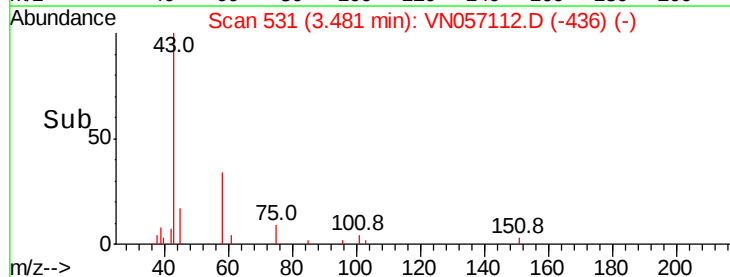
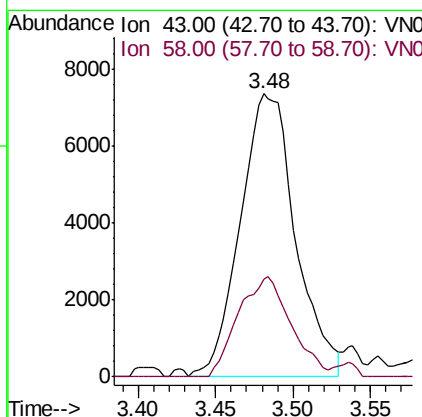
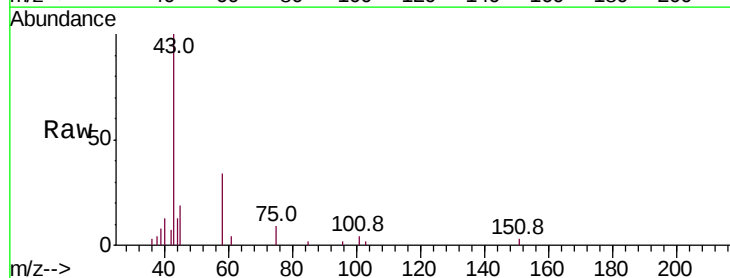
RT: 3.48 min Scan# 531

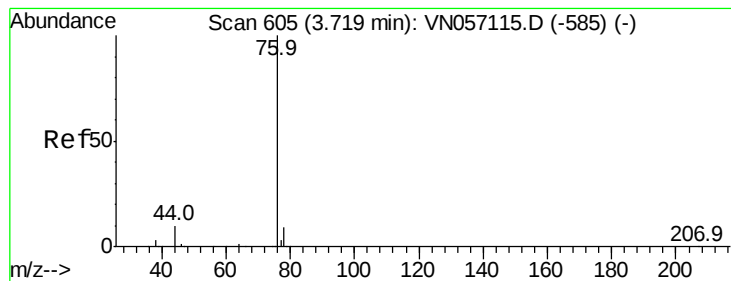
Delta R.T. 0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	43	Resp:	18330
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.4	41.2





#17

Carbon Disulfide

Concen: 1.116 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 26965

Ion Ratio Lower Upper

76 100

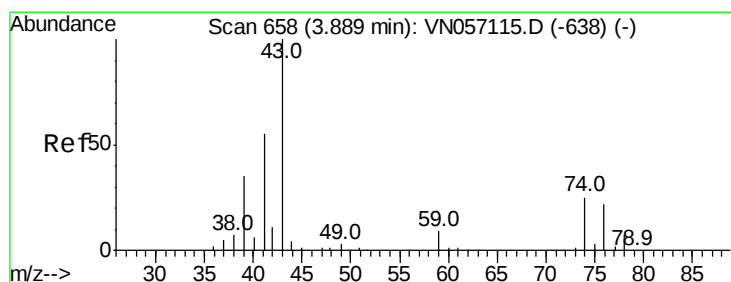
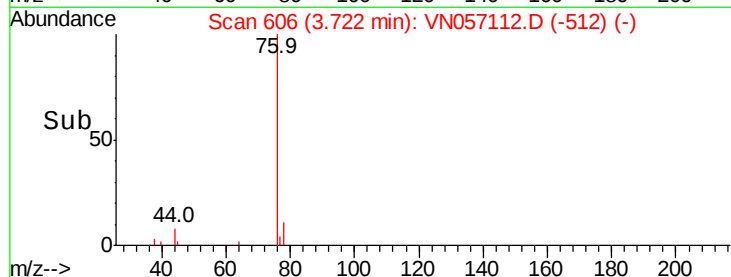
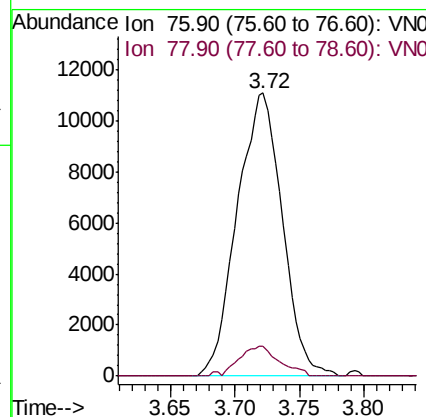
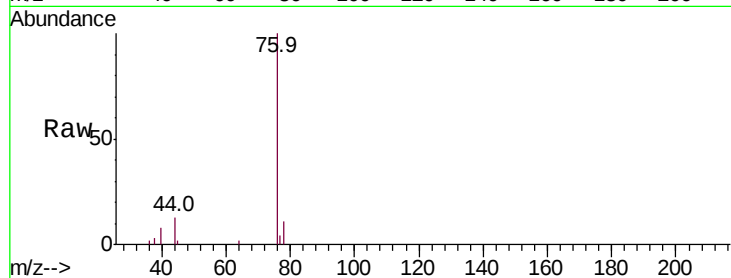
78 10.6 7.0 10.6#

Manual Integrations

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#18

Methyl Acetate

Concen: 2.239 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057112.D

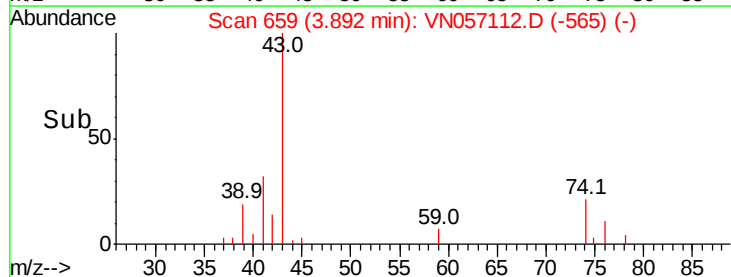
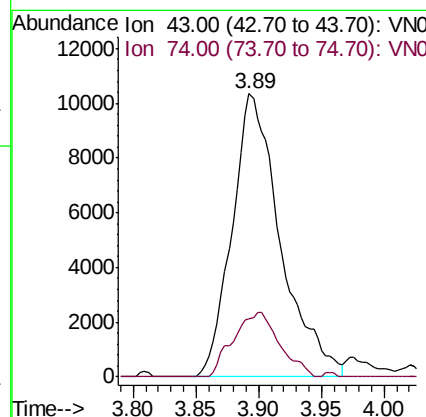
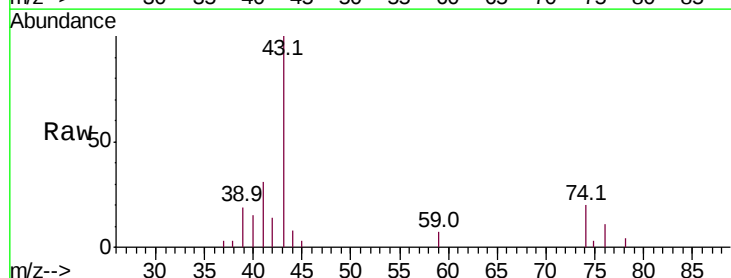
Acq: 7 Aug 2019 18:26

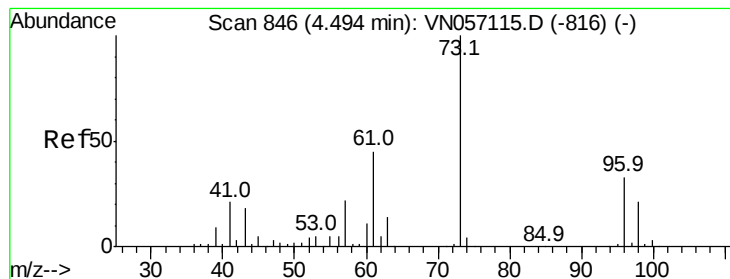
Tgt Ion: 43 Resp: 27801

Ion Ratio Lower Upper

43 100

74 21.8 20.2 30.4





#19

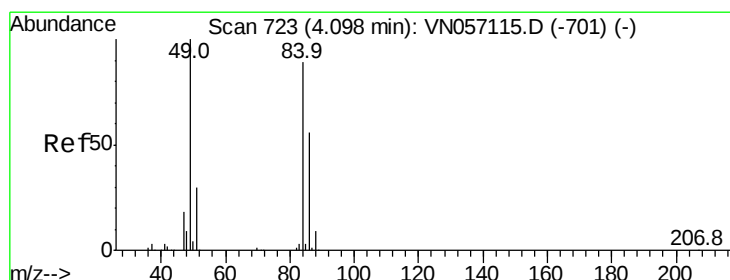
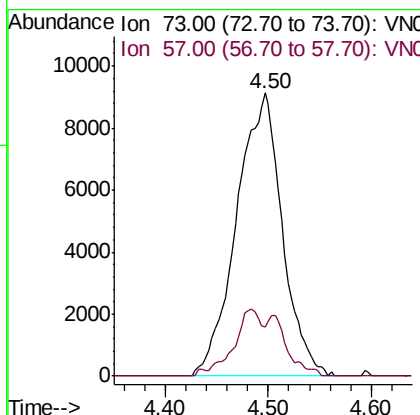
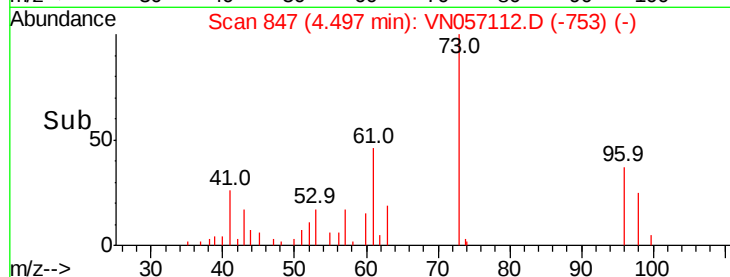
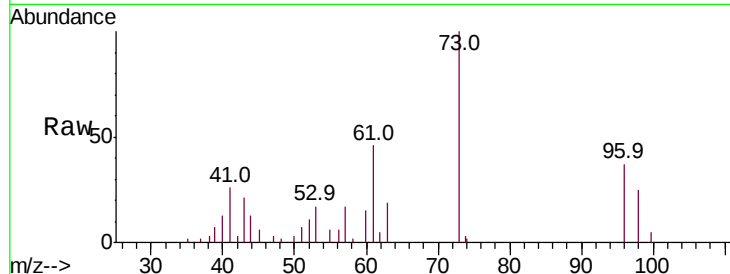
Methyl tert-butyl Ether
 Concen: 0.972 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 73 Resp: 28094
 Ion Ratio Lower Upper
 73 100
 57 17.3 18.0 27.0#

Manual Integrations
 APPROVED

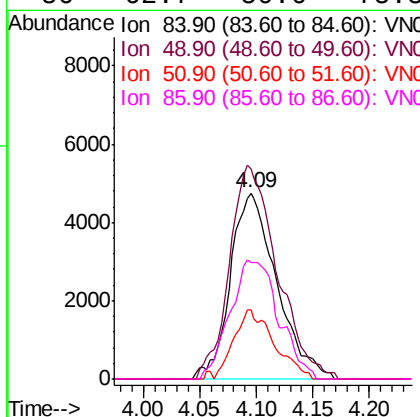
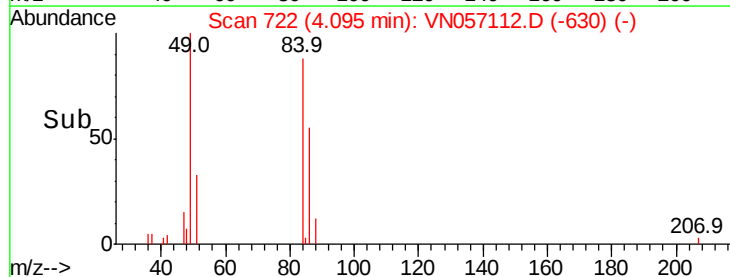
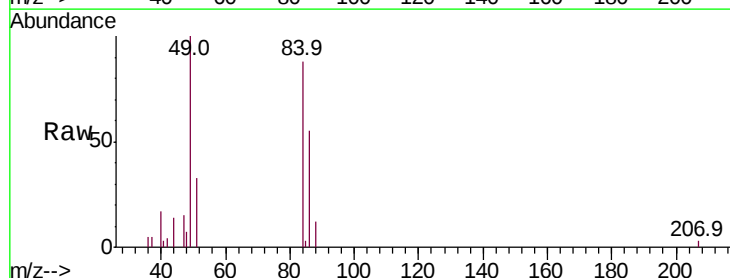
MMDadoda
 8/8/2019 2:40:15 PM

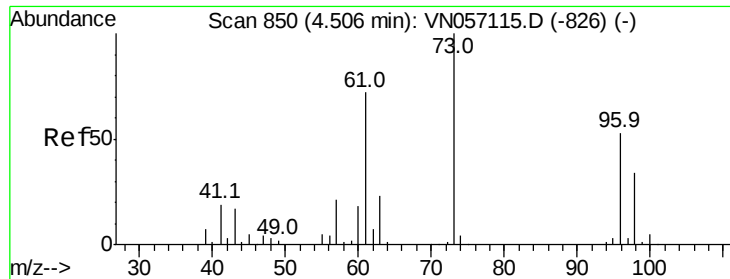


#20

Methylene Chloride
 Concen: 1.193 ug/l
 RT: 4.09 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Tgt Ion: 84 Resp: 13524
 Ion Ratio Lower Upper
 84 100
 49 113.1 89.5 134.3
 51 36.9 27.2 40.8
 86 62.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 1.060 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 96 Resp: 11030

Ion Ratio Lower Upper

96 100

61 130.3 108.1 162.1

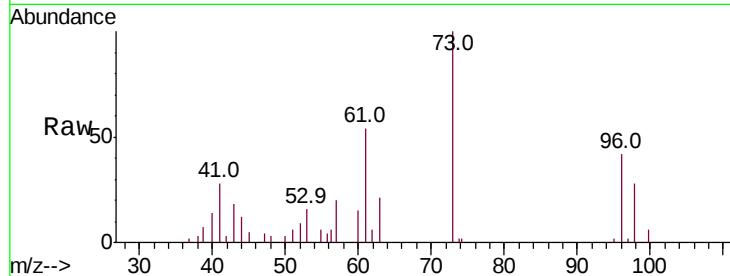
98 66.7 50.5 75.7

Manual Integrations

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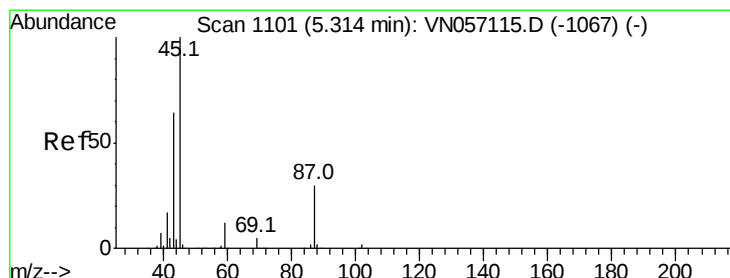
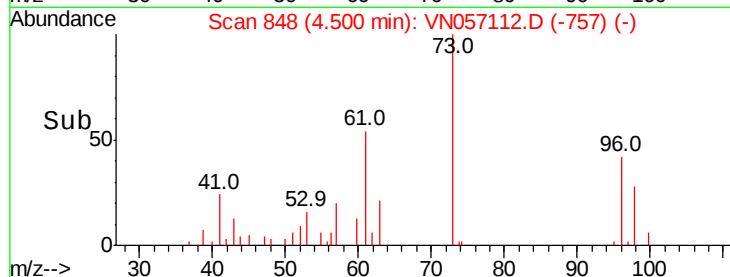
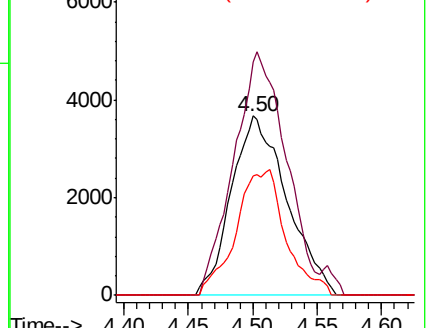
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.991 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion: 45 Resp: 30831

Ion Ratio Lower Upper

45 100

43 90.0 54.1 81.1#

87 22.1 24.0 36.0#

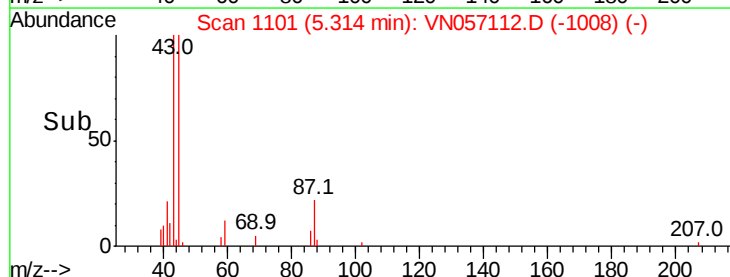
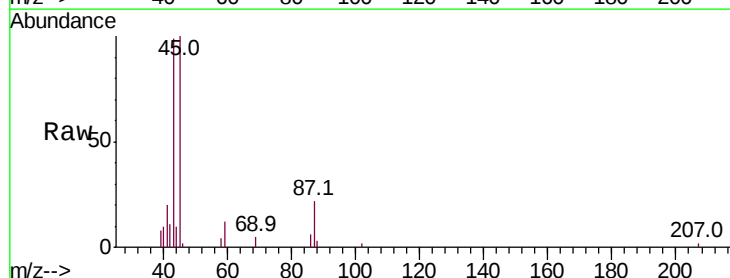
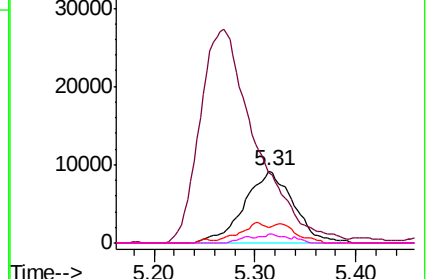
59 11.7 10.0 15.0

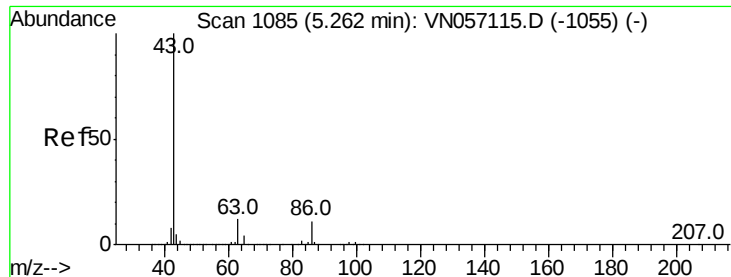
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 4.538 ug/l

RT: 5.27 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 105490

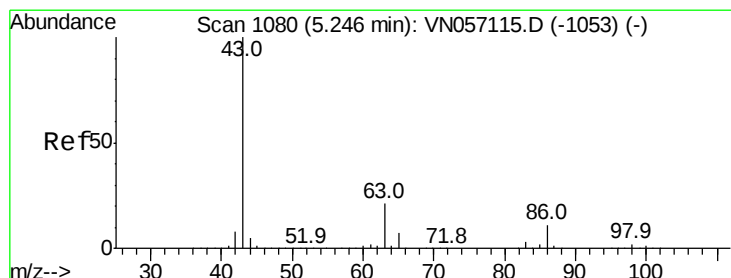
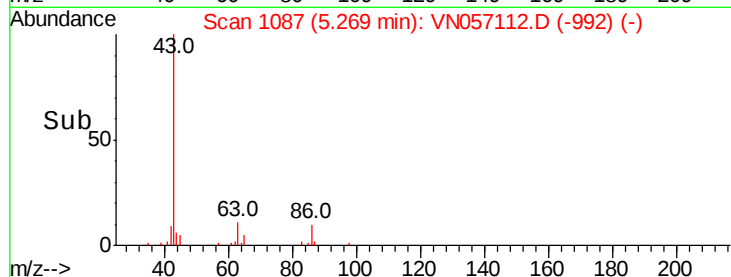
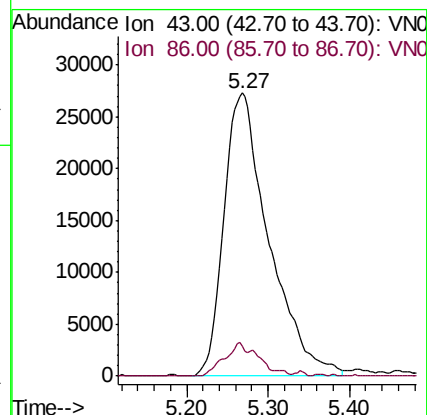
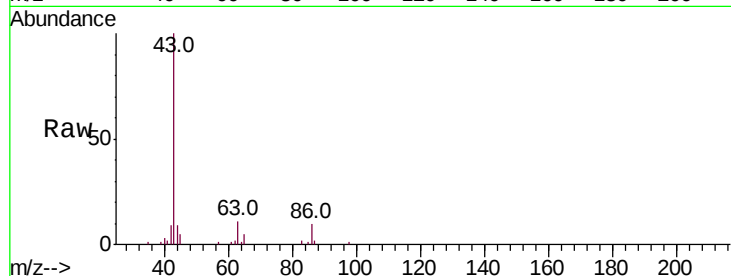
Ion Ratio Lower Upper

43 100

86 10.5 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 1.023 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

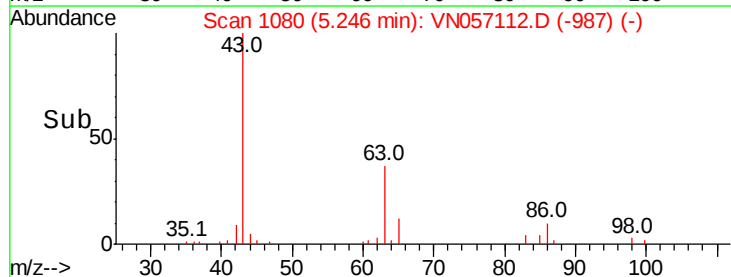
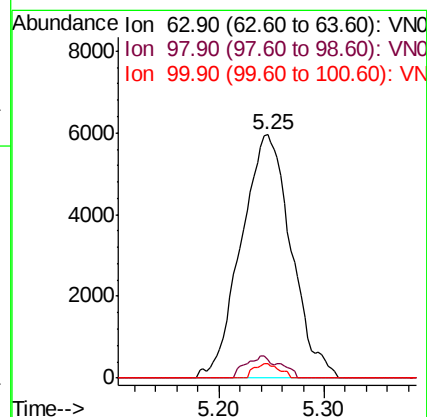
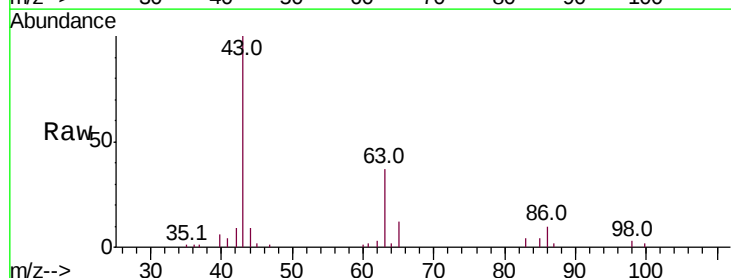
Tgt Ion: 63 Resp: 19595

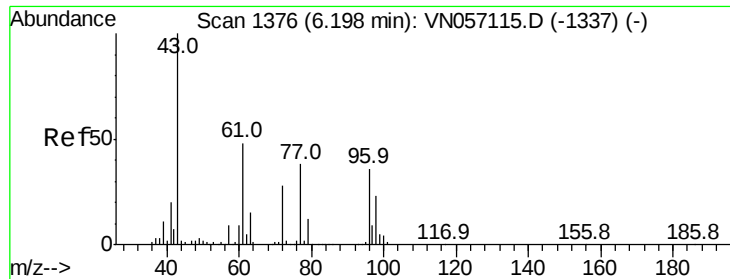
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 6.0 2.1 6.3





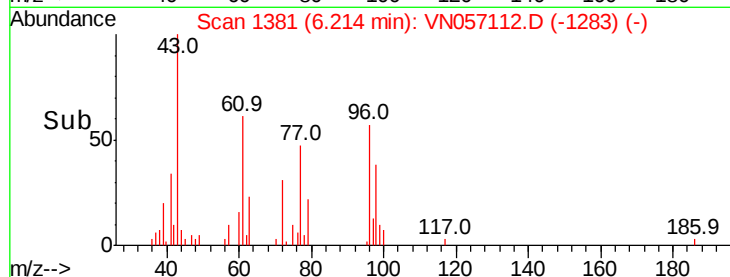
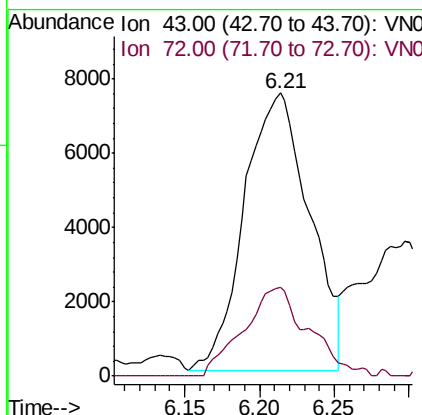
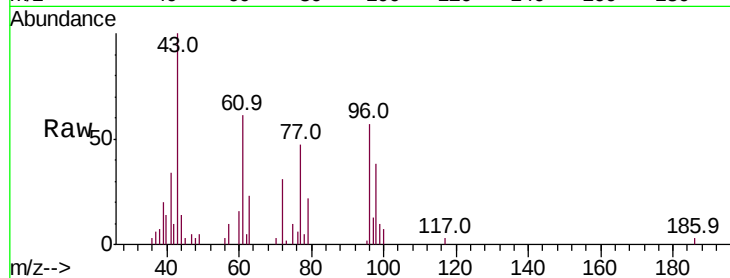
#25
2-Butanone
Concen: 4.413 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 22589
Ion Ratio Lower Upper
43 100
72 31.9 22.2 33.4

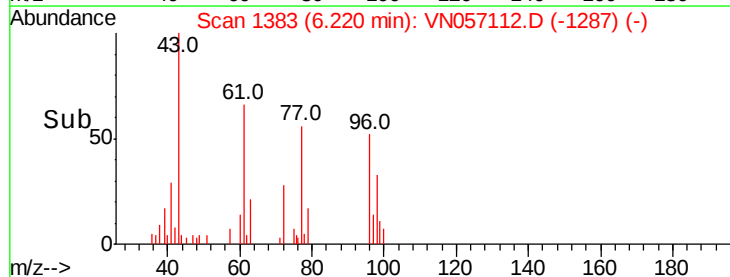
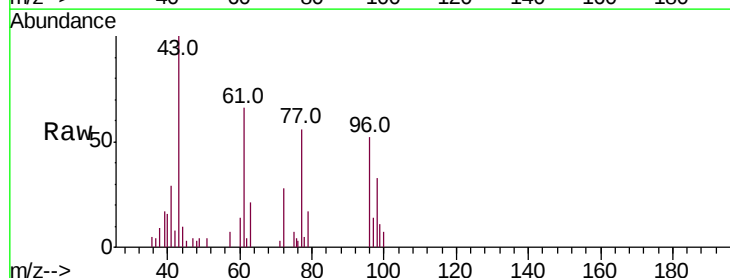
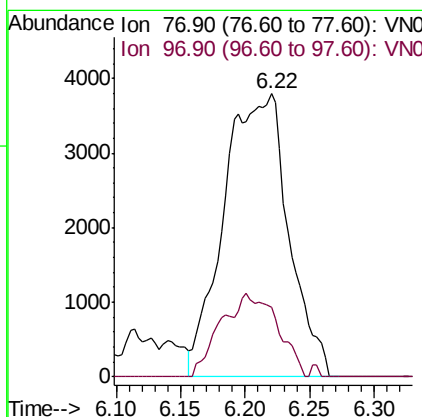
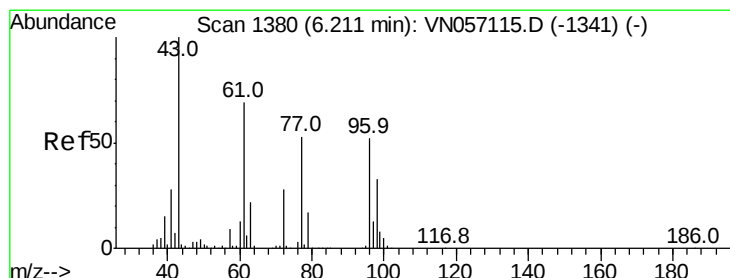
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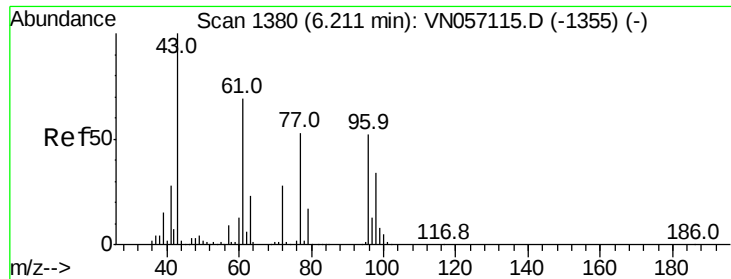
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#26
2,2-Dichloropropane
Concen: 0.904 ug/l m
RT: 6.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion: 77 Resp: 13202
Ion Ratio Lower Upper
77 100
97 25.9 12.3 36.8





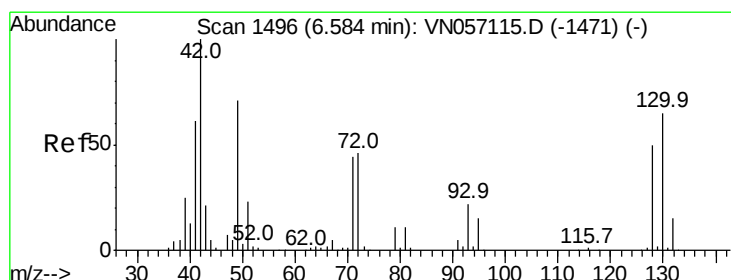
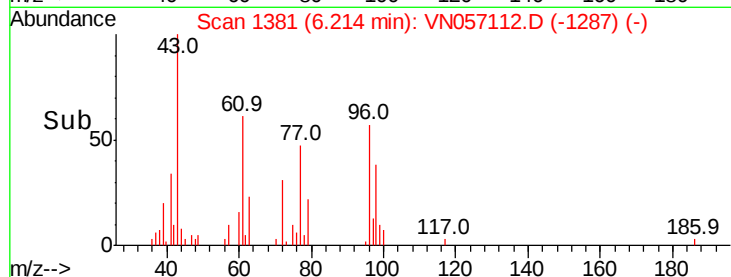
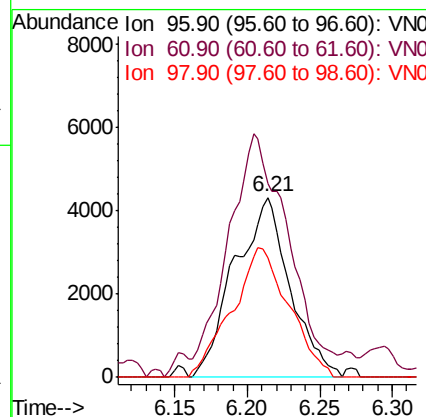
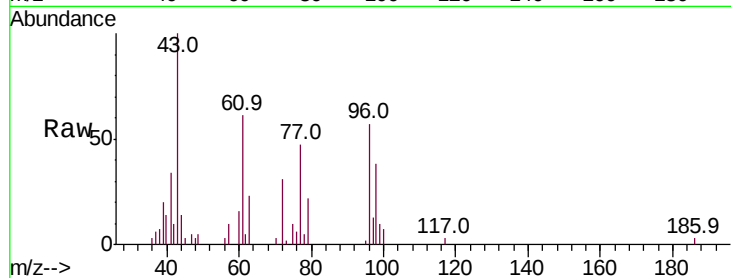
#27
 cis-1,2-Dichloroethene
 Concen: 0.948 ug/l
 RT: 6.21 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.8	0.0	273.4	
98	73.9	0.0	130.4	

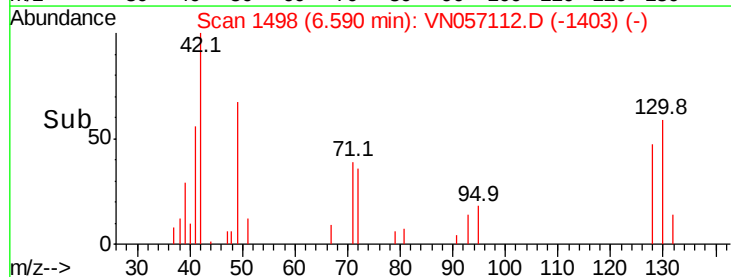
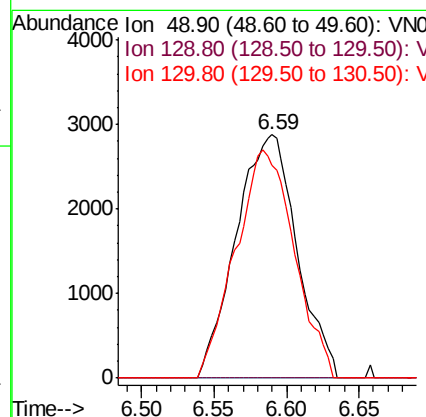
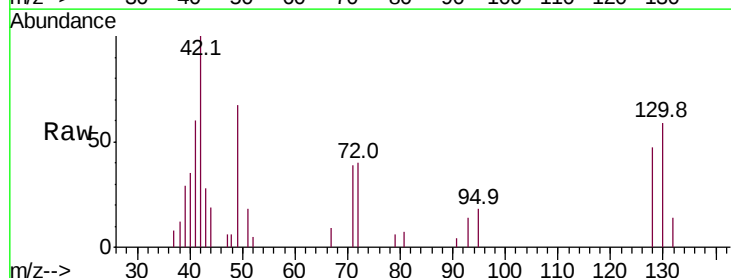
Manual Integrations
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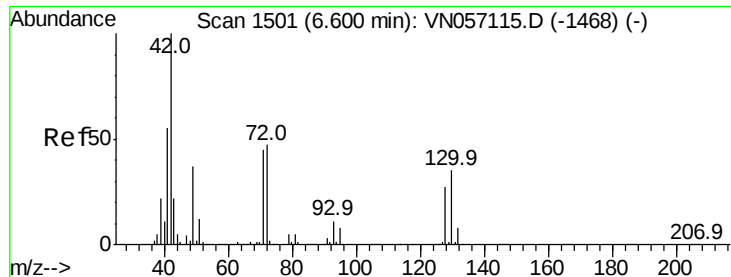
MMDadoda
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#28
 Bromochloromethane
 Concen: 0.990 ug/l
 RT: 6.59 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.8	
130	90.5	73.8	110.8	





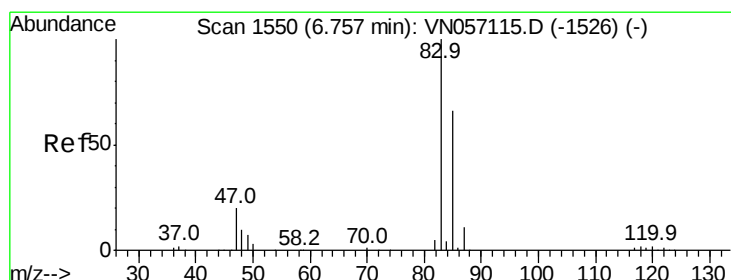
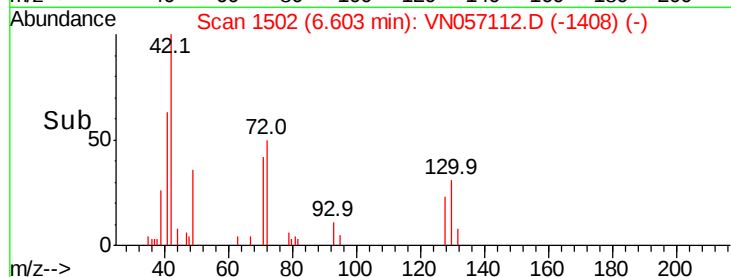
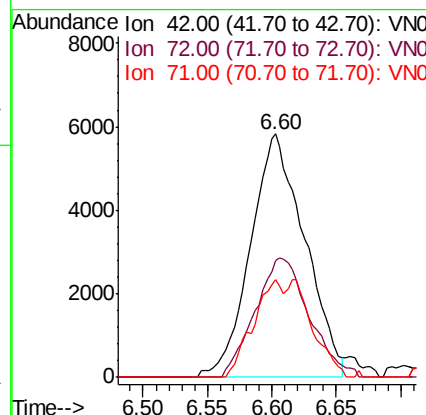
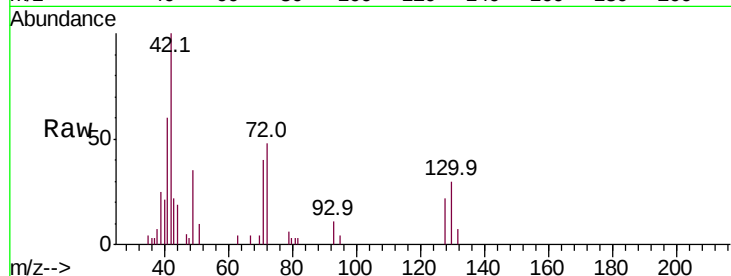
#29
Tetrahydrofuran
Concen: 5.123 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	37.1	55.7
71	22.5	34.8	52.2

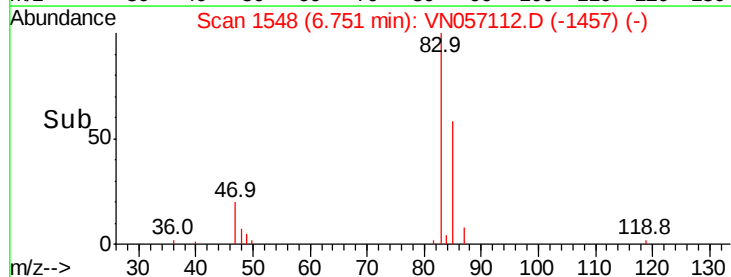
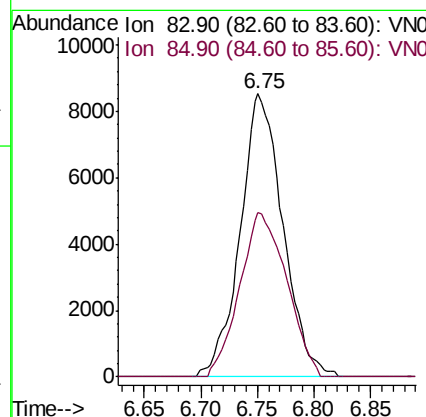
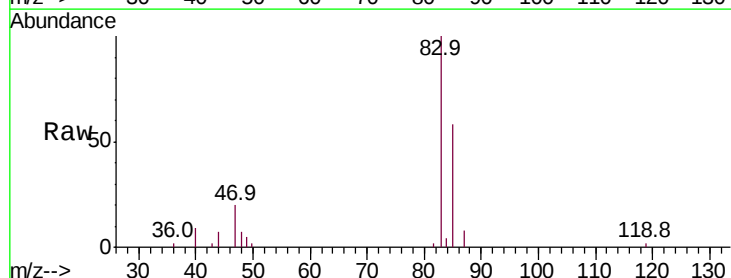
Manual Integrations
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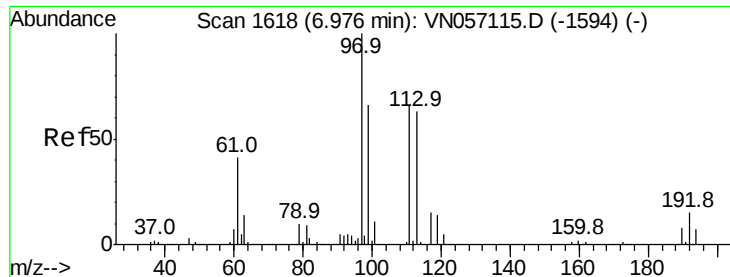
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#30
Chloroform
Concen: 1.166 ug/l
RT: 6.75 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	52.6	78.8





#32

1,1,1-Trichloroethane

Concen: 1.017 ug/l

RT: 6.98 min Scan# 1619

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 16291

Ion Ratio Lower Upper

97 100

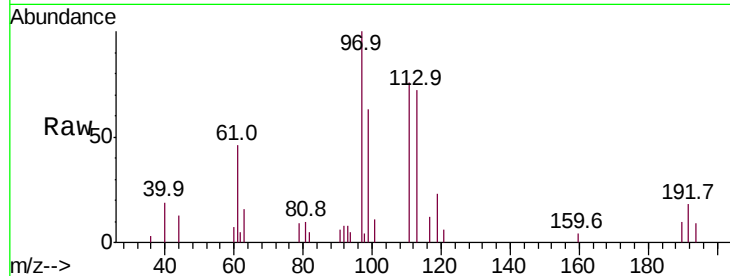
99 0.0 51.8 77.6#

61 42.4 32.7 49.1

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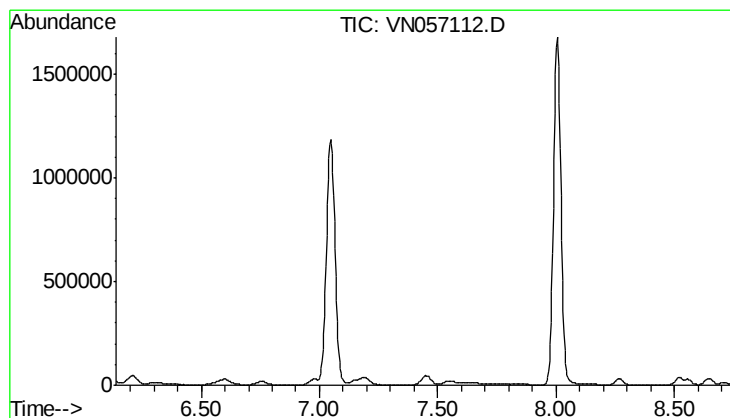
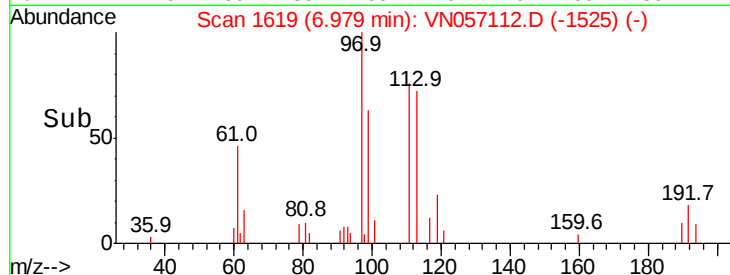
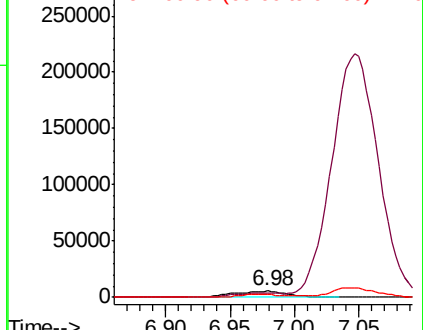


Abundance

Ion 96.90 (96.60 to 97.60): VN057112.D

Ion 98.90 (98.60 to 99.60): VN057112.D

Ion 60.90 (60.60 to 61.60): VN057112.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.44 min

Lab File: VN057112.D

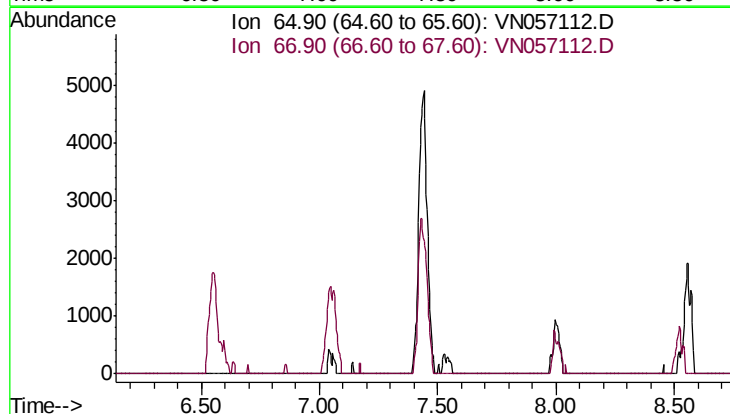
Acq: 7 Aug 2019 18:26

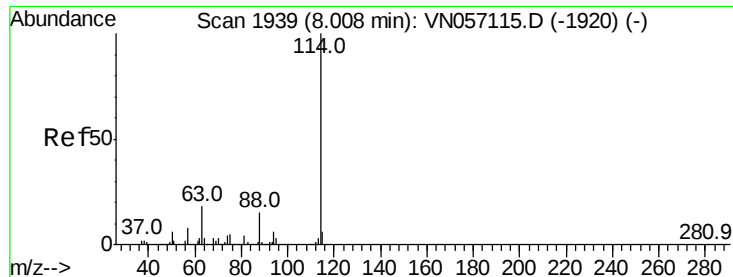
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 1669635

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.2

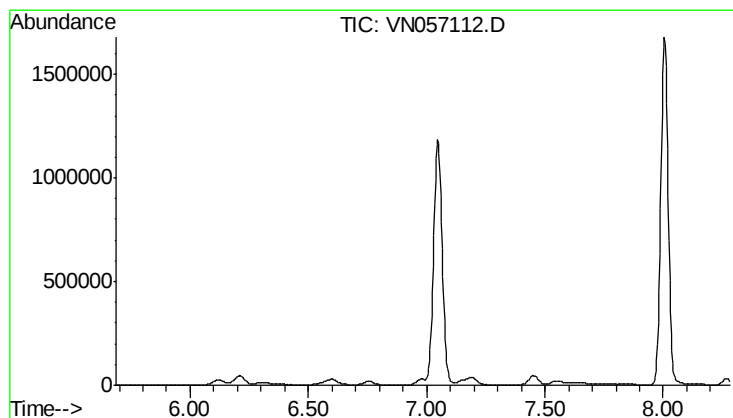
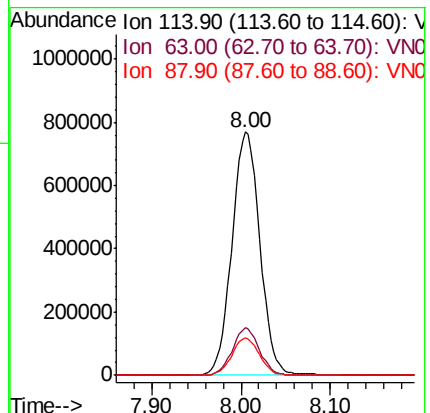
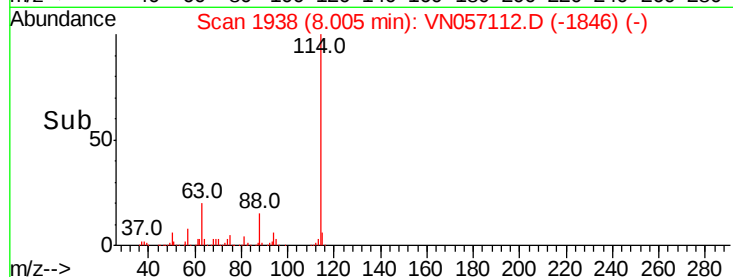
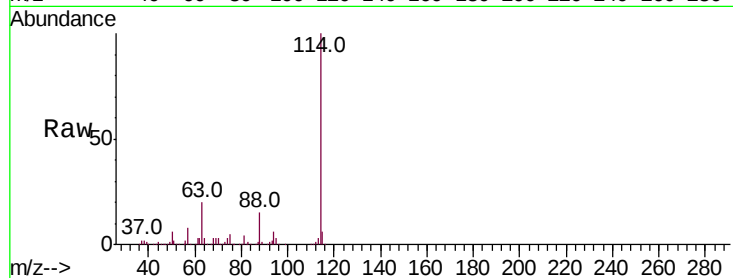
88 15.3 0.0 30.0

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#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 6.99 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

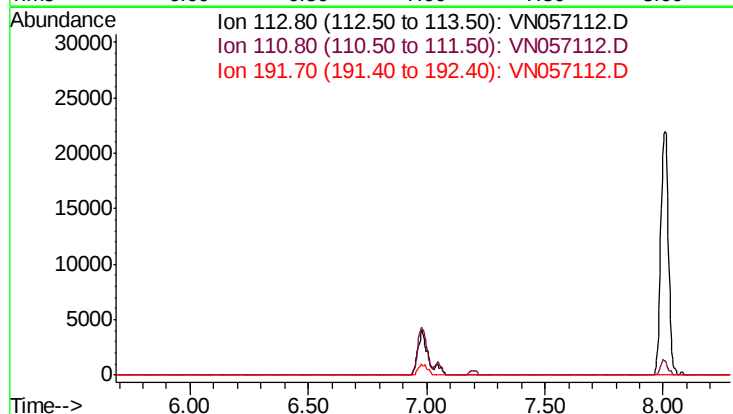
Tgt Ion: 113

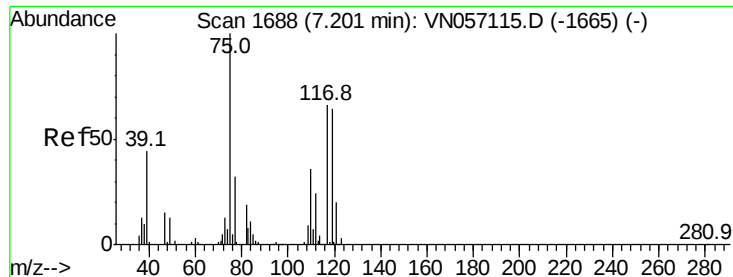
Sig Exp Ratio

113 100

111 101.6

192 23.7





#36

1,1-Dichloropropene

Concen: 0.847 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

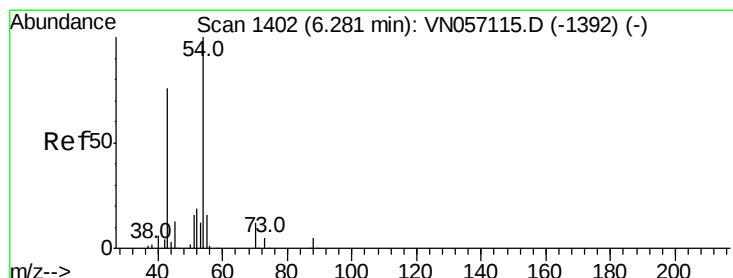
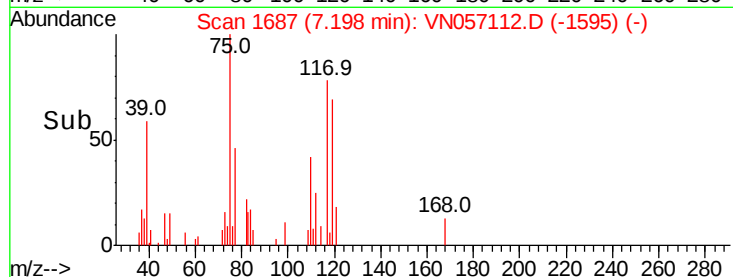
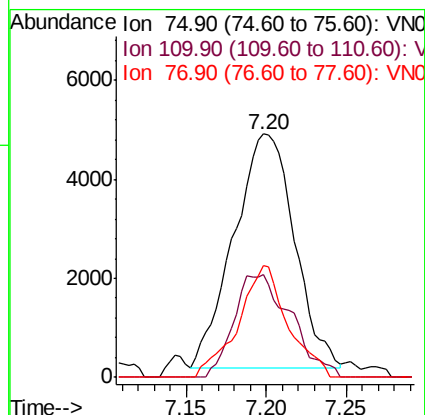
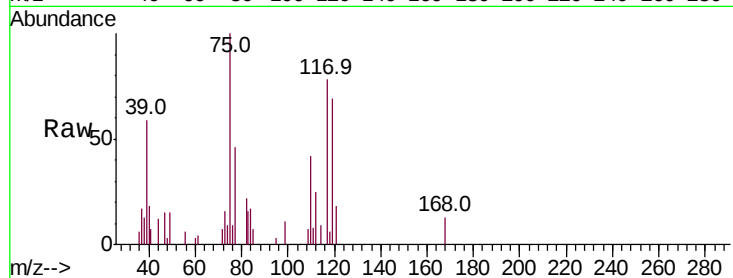
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	12285
Ion	Ratio	Lower	Upper
75	100		
110	41.1	18.7	56.1
77	38.9	25.0	37.4#

Manual Integrations
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#37

Ethyl Acetate

Concen: 0.679 ug/l

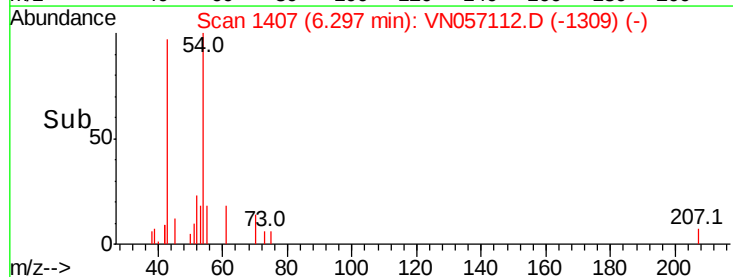
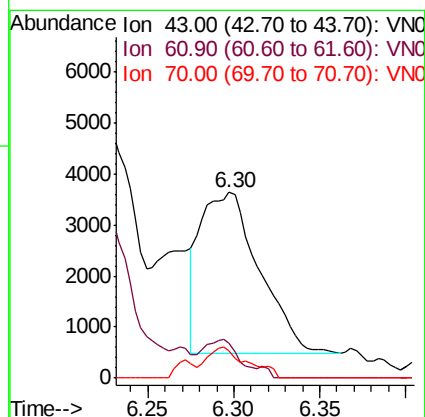
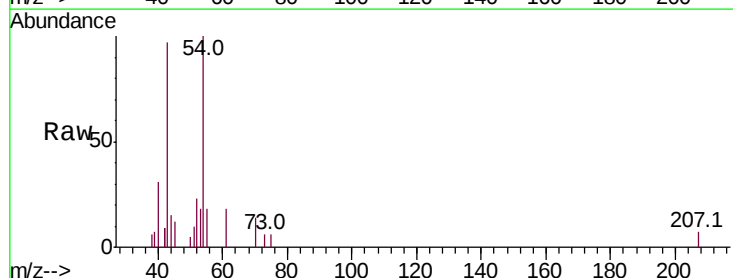
RT: 6.30 min Scan# 1407

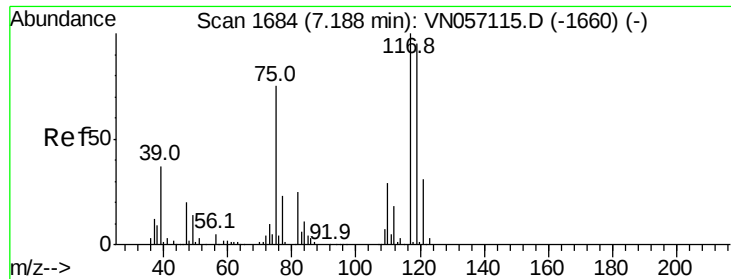
Delta R.T. 0.02 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	43	Resp:	7504
Ion	Ratio	Lower	Upper
43	100		
61	15.3	0.0	0.0#
70	13.1	9.1	13.7





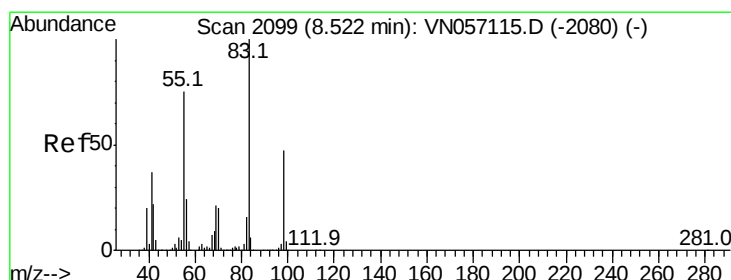
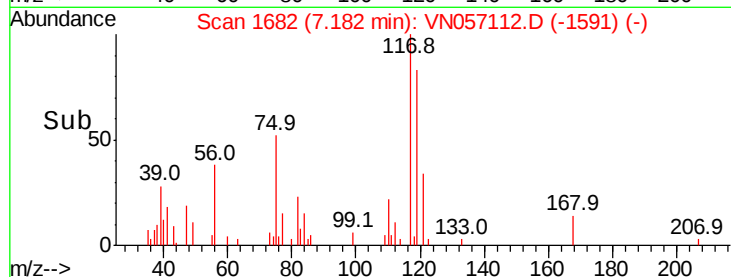
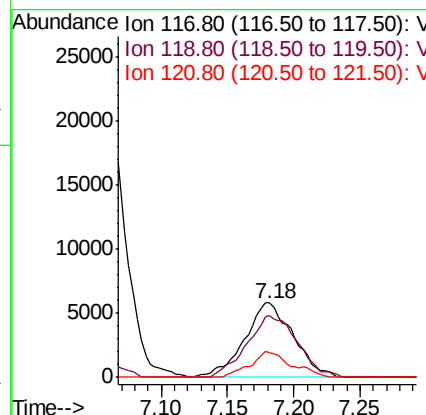
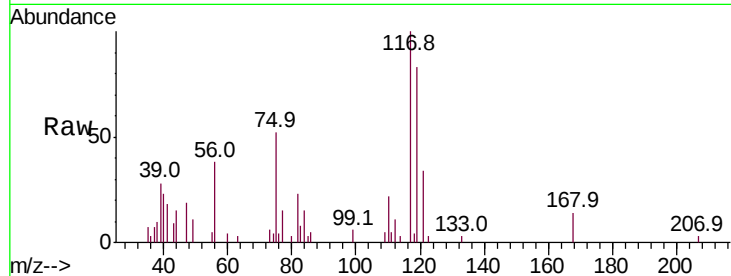
#38
Carbon Tetrachloride
Concen: 1.067 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.0	75.8	113.6
121	33.9	24.4	36.6

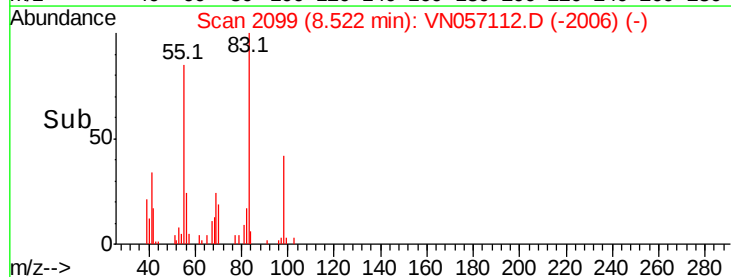
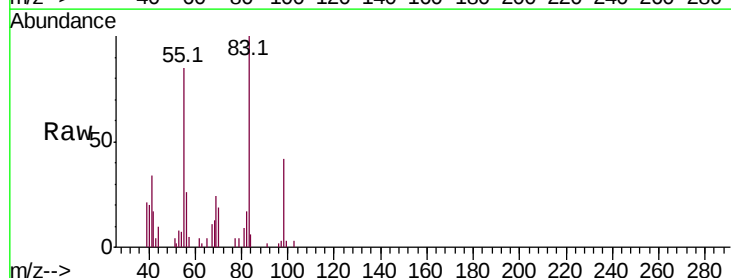
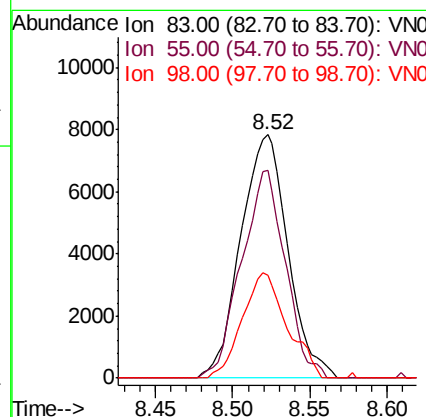
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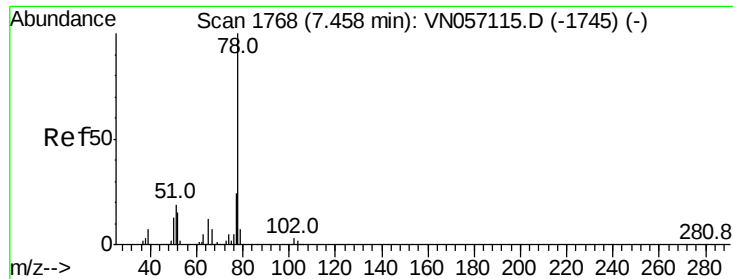
MMDadoda
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#39
Methylcyclohexane
Concen: 0.988 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	60.3	90.5
98	42.2	37.9	56.9





#40

Benzene

Concen: 0.968 ug/l

RT: 7.46 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 43318

Ion Ratio Lower Upper

78 100

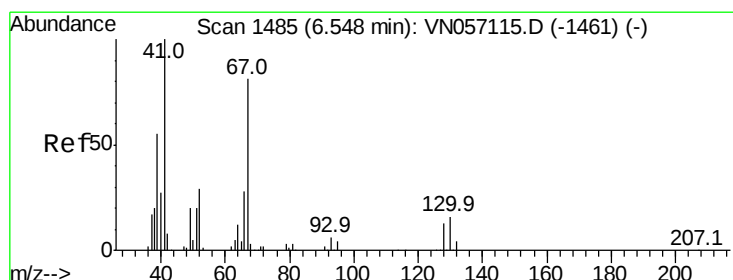
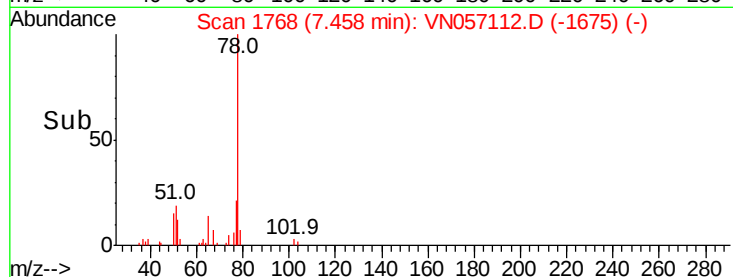
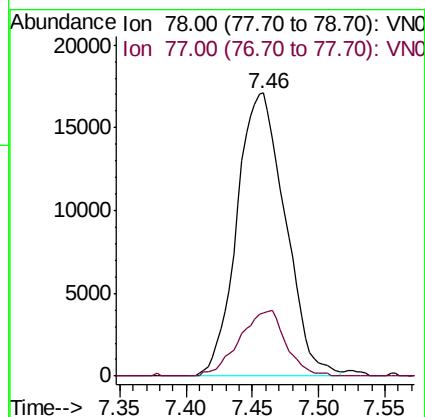
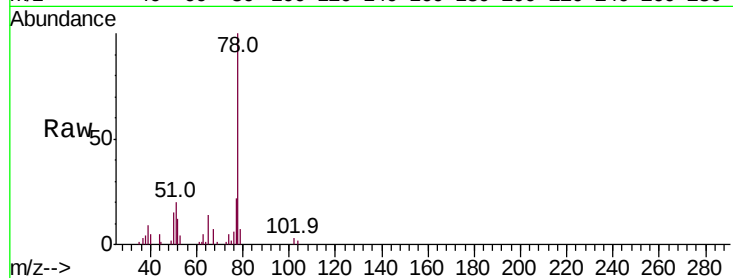
77 22.5 19.2 28.8

Manual Integrations

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#41

Methacrylonitrile

Concen: 1.126 ug/l m

RT: 6.54 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion: 41 Resp: 5238

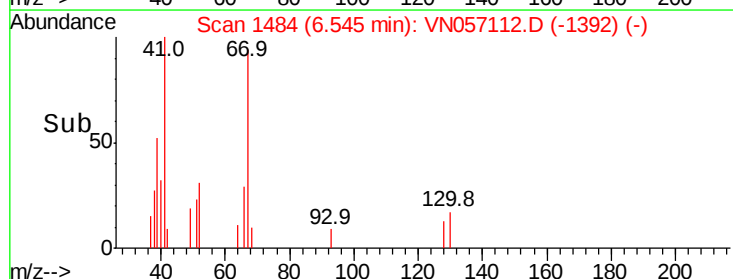
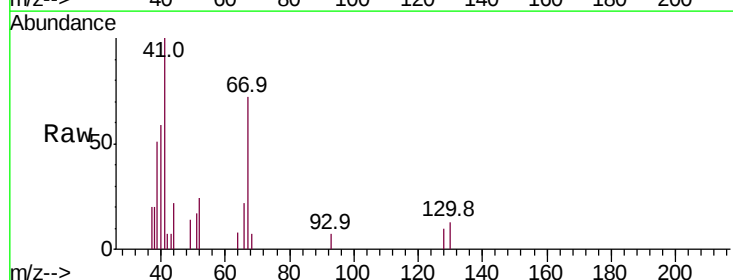
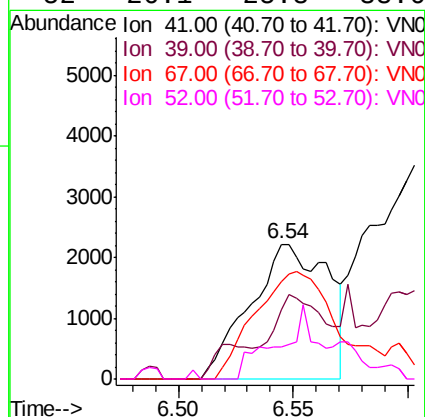
Ion Ratio Lower Upper

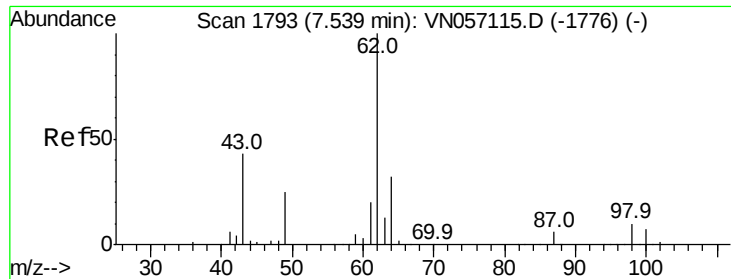
41 100

39 20.1 44.9 67.3#

67 84.5 69.1 103.7

52 26.1 25.8 38.6





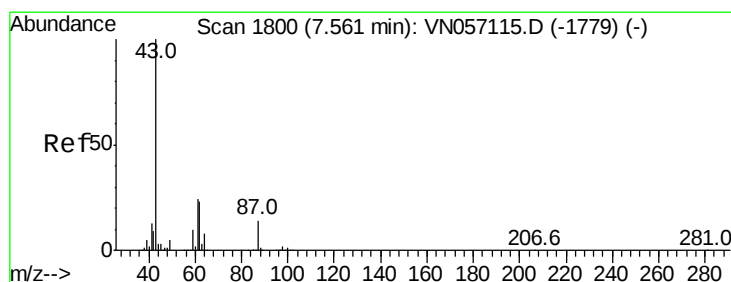
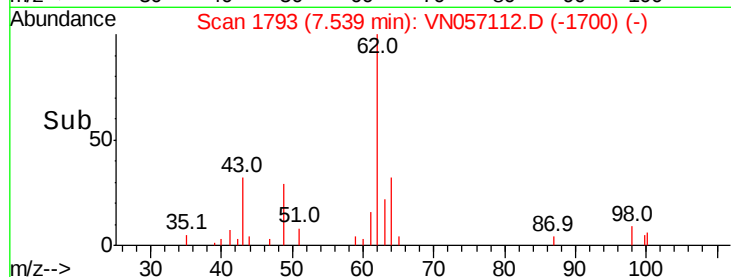
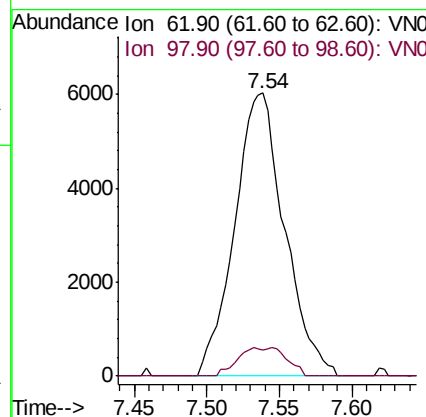
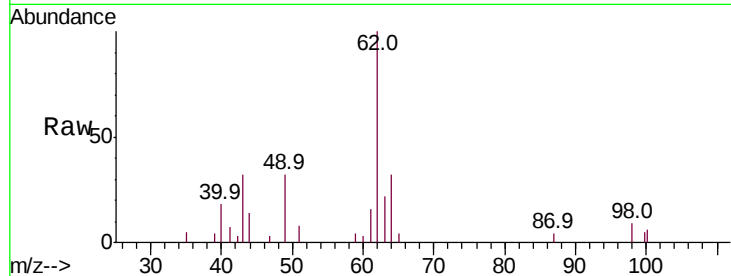
#42
 1,2-Dichloroethane
 Concen: 1.031 ug/l
 RT: 7.54 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100			
98	5.4		0.0	19.4

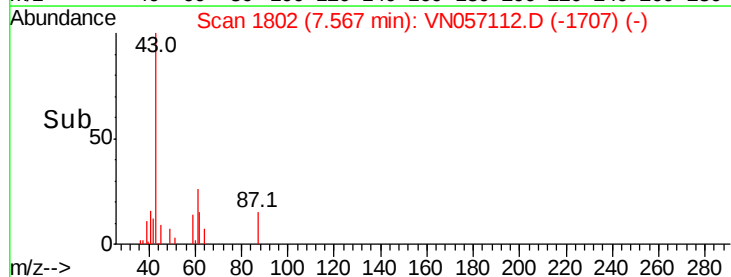
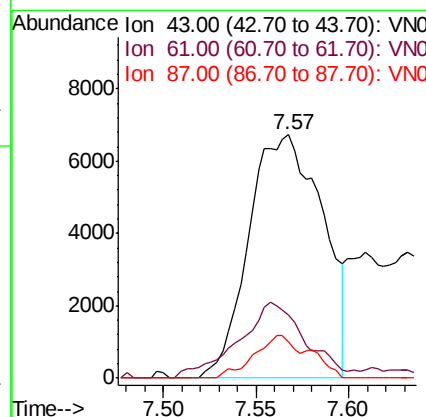
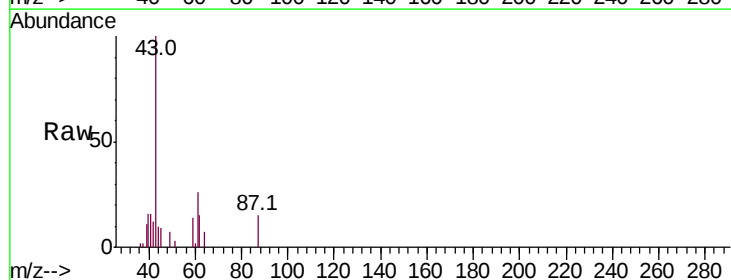
Manual Integrations
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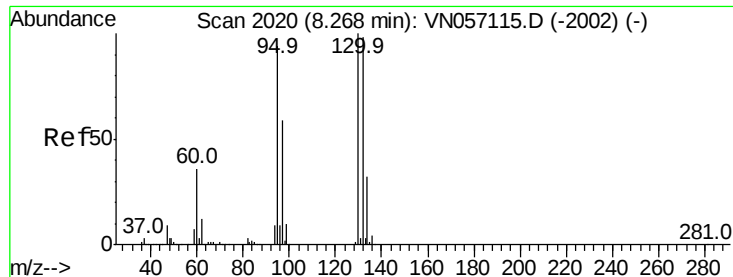
MMDadoda
 8/8/2019 2:40:15 PM



#43
 Isopropyl Acetate
 Concen: 0.925 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	28.4		24.2	36.2
87	9.7		11.8	17.8#





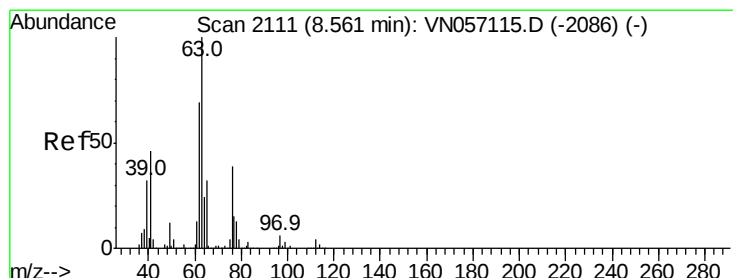
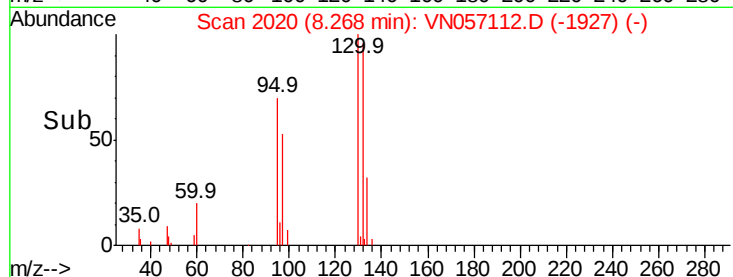
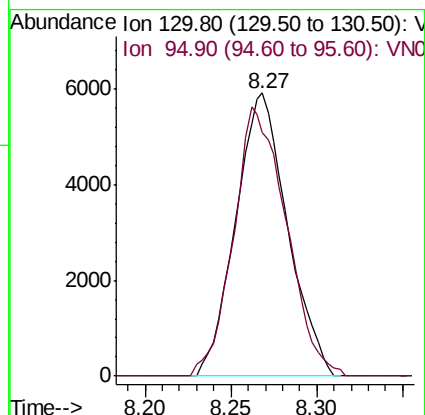
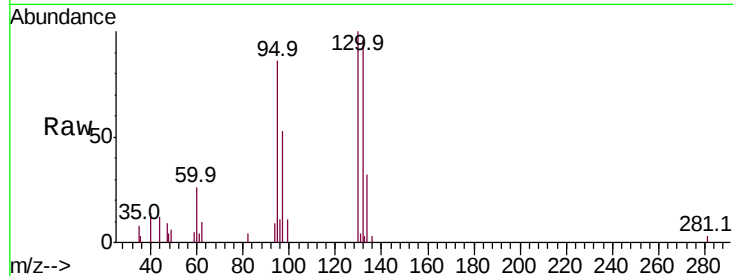
#44
 Trichloroethene
 Concen: 1.011 ug/l
 RT: 8.27 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	187.4

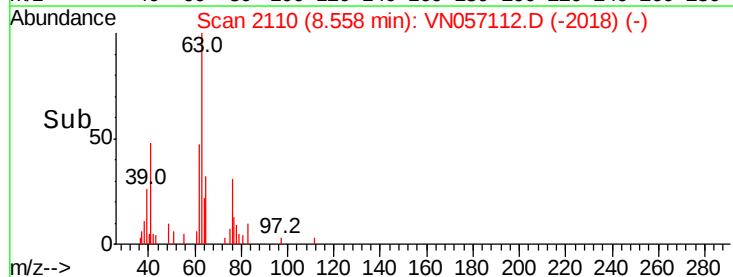
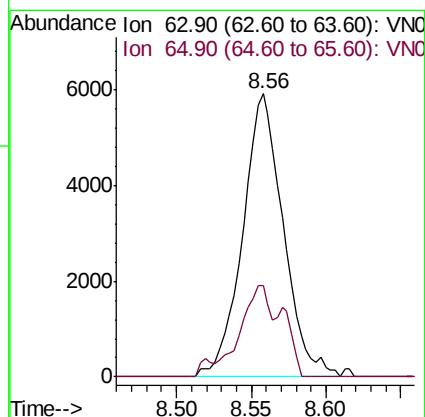
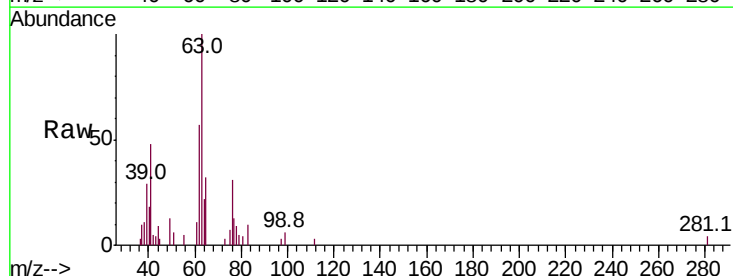
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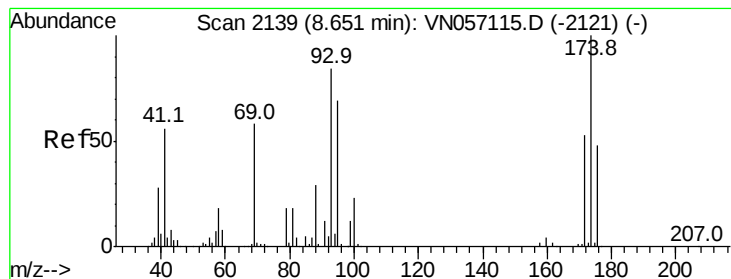
MMDadoda
 8/8/2019 2:40:15 PM



#45
 1,2-Dichloropropane
 Concen: 0.967 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.2	37.8





#46

Dibromomethane

Concen: 1.007 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 7255

Ion Ratio Lower Upper

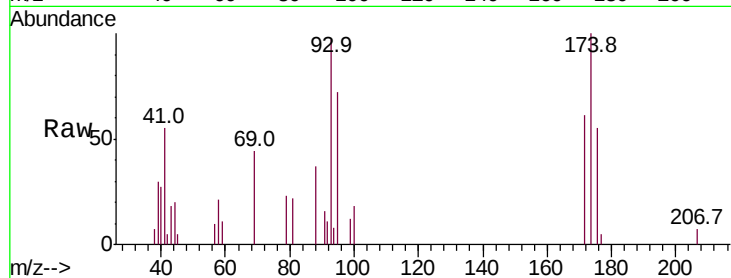
93 100

95 83.7 66.0 99.0

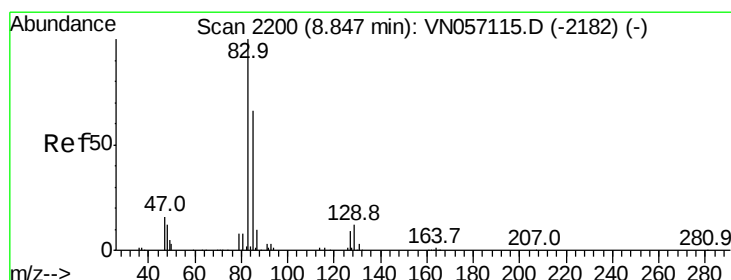
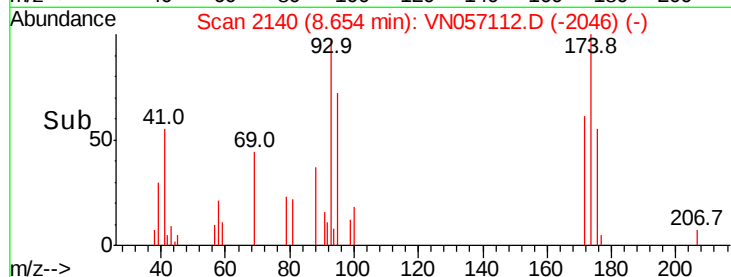
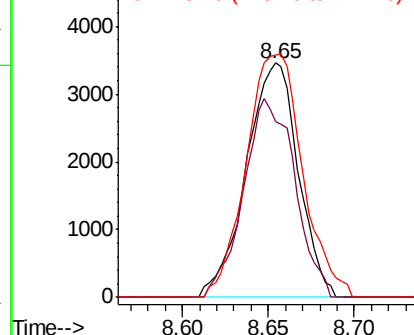
174 112.9 96.0 144.0

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Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.916 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

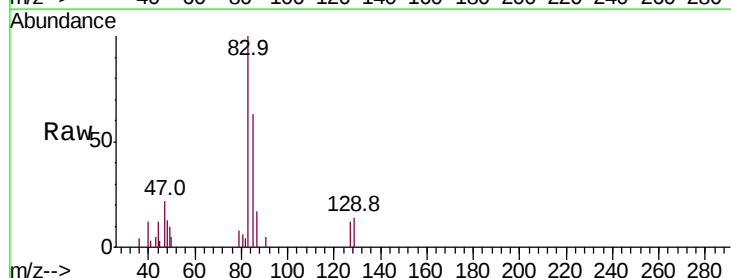
Tgt Ion: 83 Resp: 12671

Ion Ratio Lower Upper

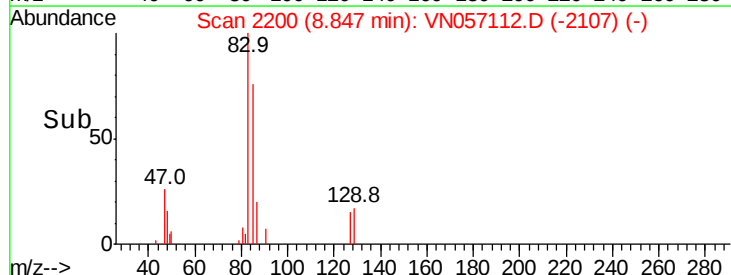
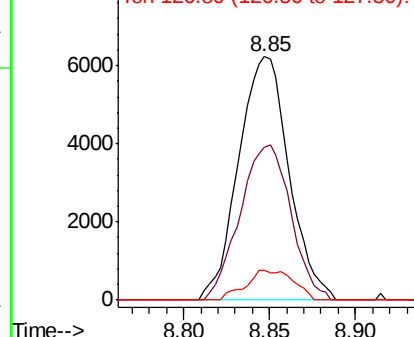
83 100

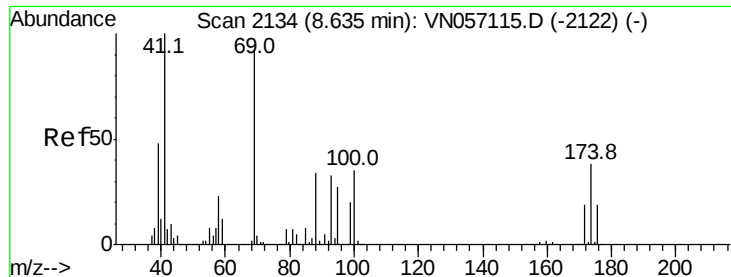
85 62.9 52.6 78.8

127 12.3 7.5 11.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 1.023 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

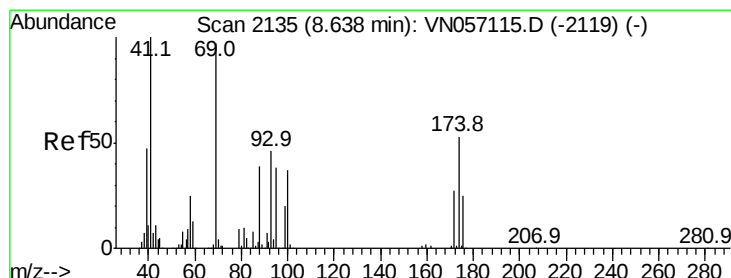
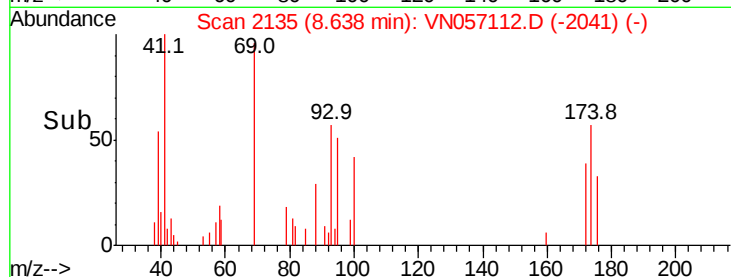
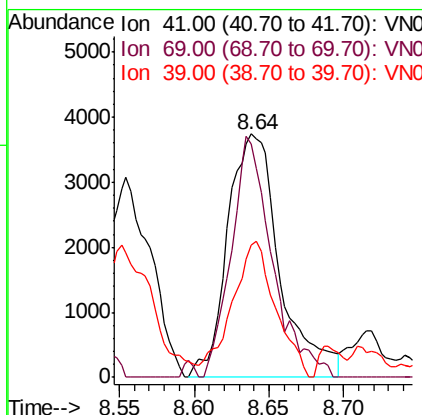
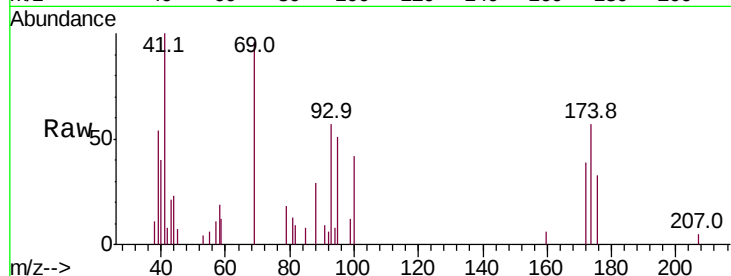
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	9077
Ion	Ratio	Lower	Upper
41	100		
69	78.3	77.5	116.3
39	46.8	39.8	59.6

Manual Integrations
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8/8/2019 2:40:15 PM



#49

1,4-Dioxane

Concen: 18.742 ug/l

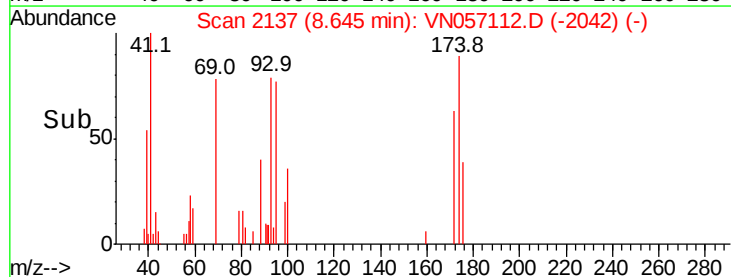
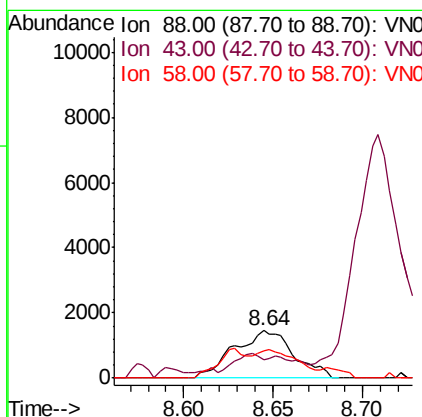
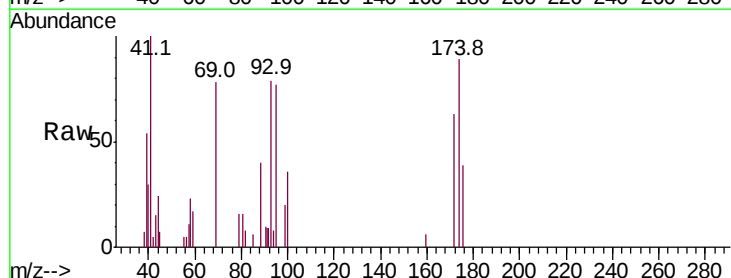
RT: 8.64 min Scan# 2137

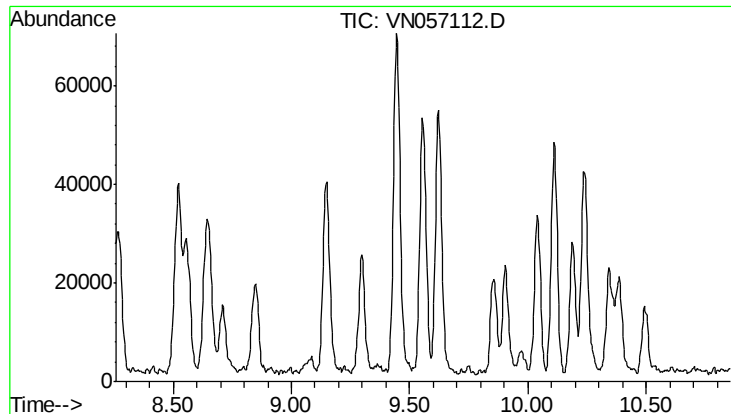
Delta R.T. 0.01 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	88	Resp:	3379
Ion	Ratio	Lower	Upper
88	100		
43	18.8	21.7	32.5#
58	27.9	51.1	76.7#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 9.56 min

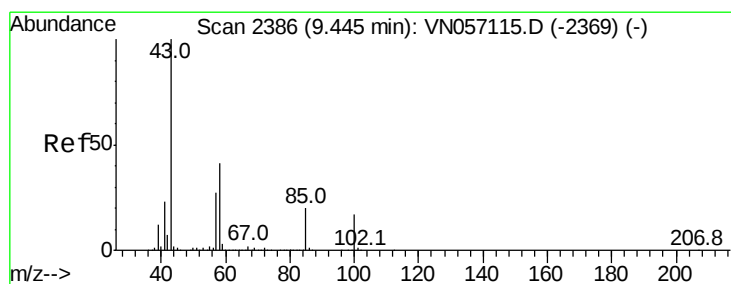
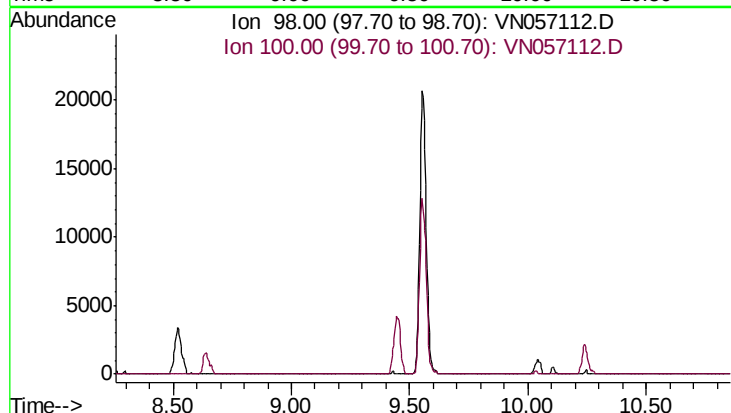
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.0

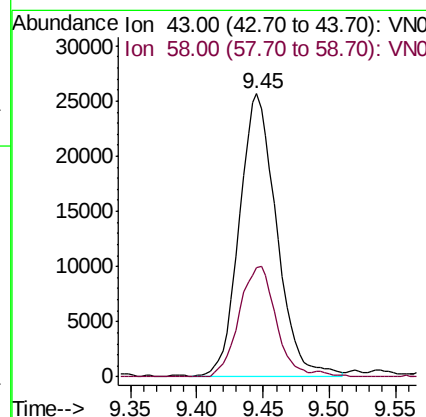
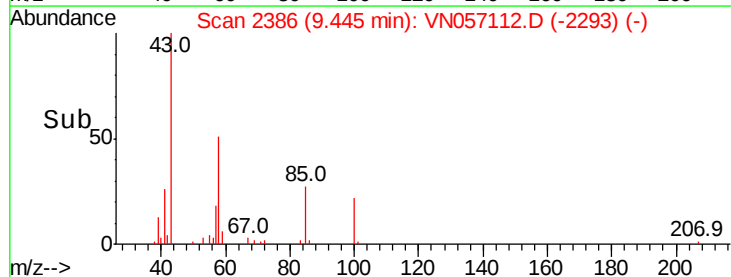
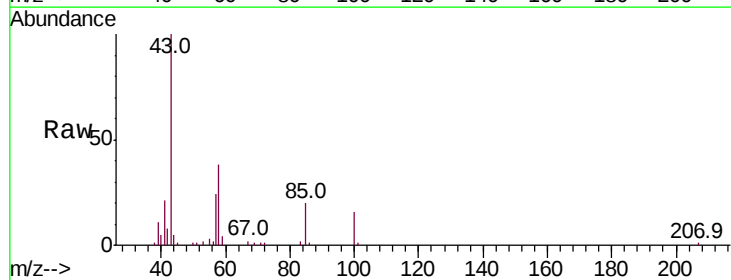
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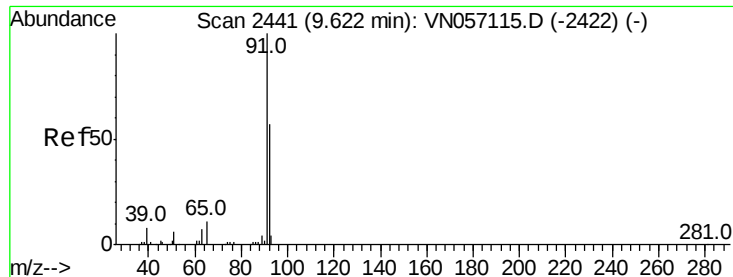
MMDadoda
8/8/2019 2:40:15 PM



#51
4-Methyl-2-Pentanone
Concen: 4.989 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion: 43 Resp: 50244
Ion Ratio Lower Upper
43 100
58 38.2 33.2 49.8





#52

Toluene

Concen: 0.953 ug/l

RT: 9.62 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 25911

Ion Ratio Lower Upper

92 100

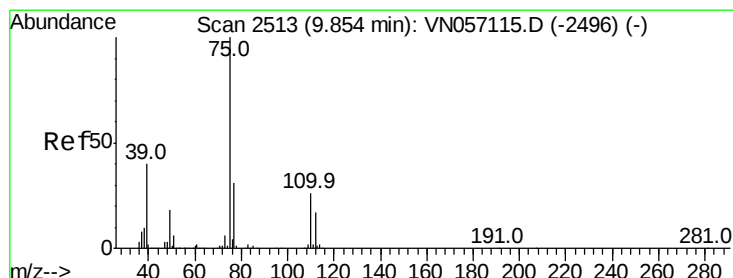
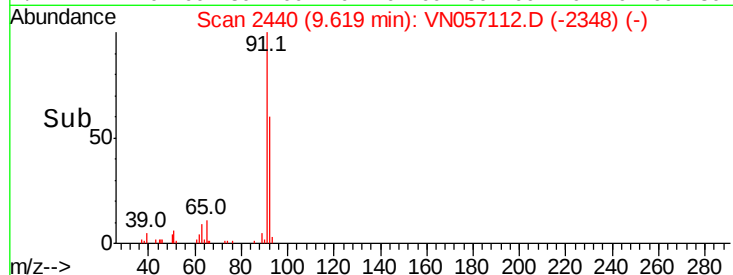
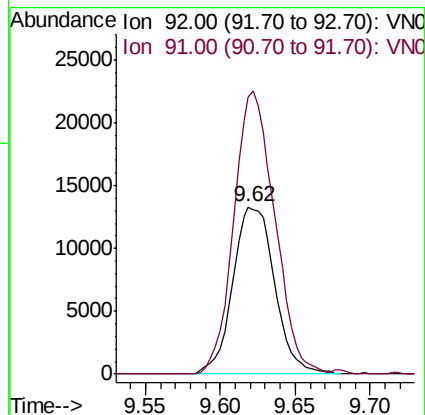
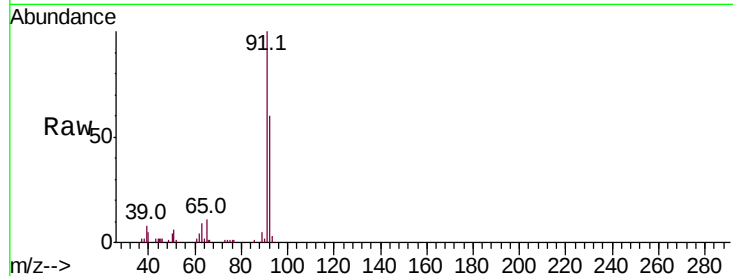
91 165.5 139.8 209.8

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#53

t-1,3-Dichloropropene

Concen: 0.852 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057112.D

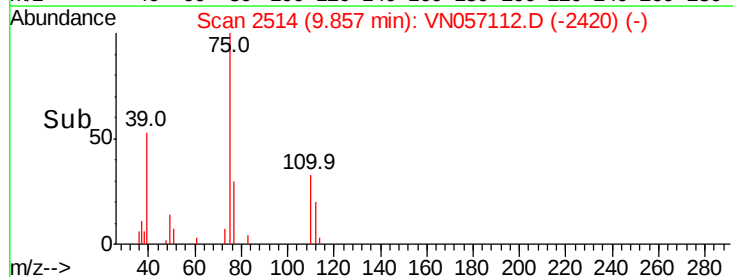
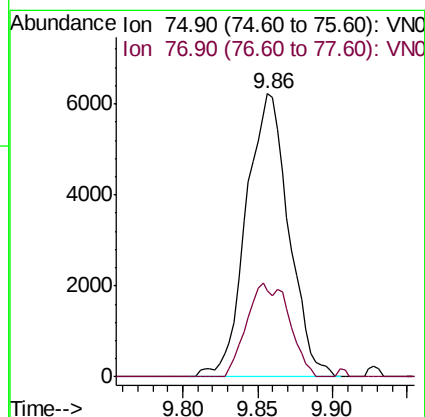
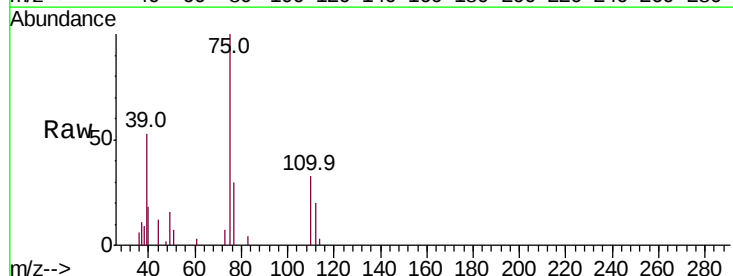
Acq: 7 Aug 2019 18:26

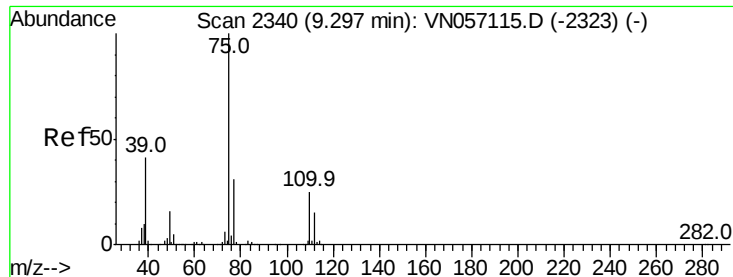
Tgt Ion: 75 Resp: 12363

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2





#54

cis-1,3-Dichloropropene

Concen: 0.858 ug/l

RT: 9.29 min Scan# 2339

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

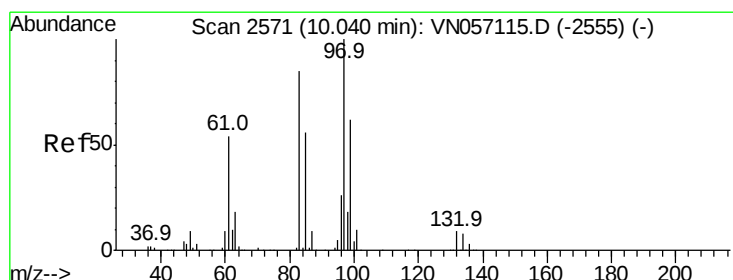
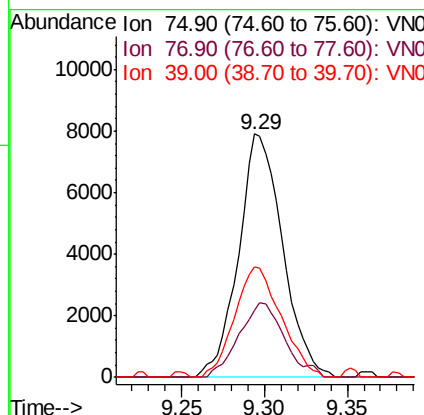
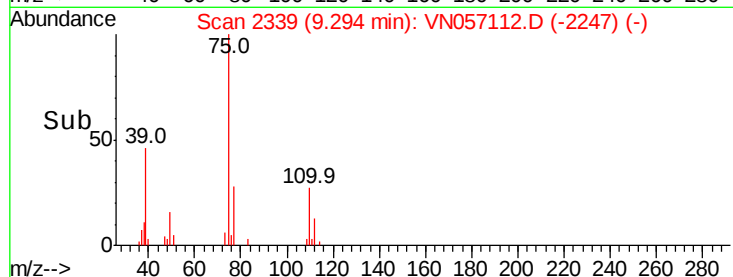
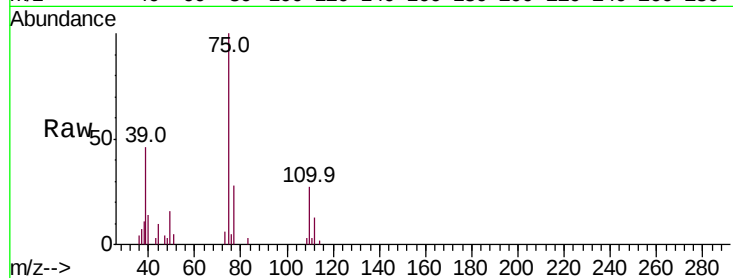
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	14597
Ion Ratio	Lower	Upper	
75	100		
77	27.6	25.1	37.7
39	45.5	32.5	48.7

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.039 ug/l

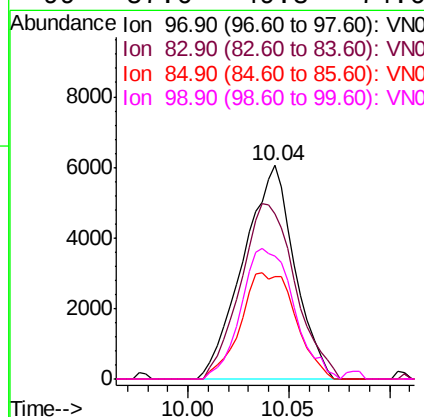
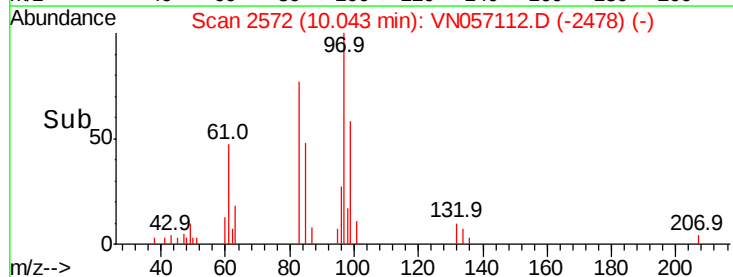
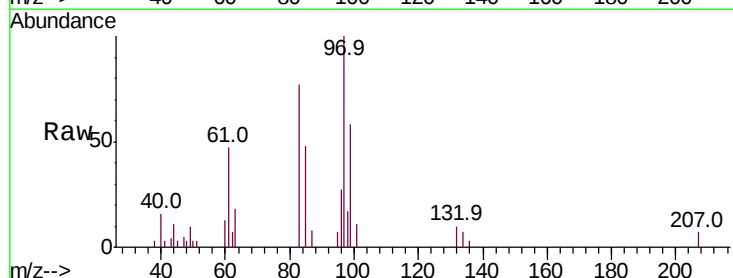
RT: 10.04 min Scan# 2572

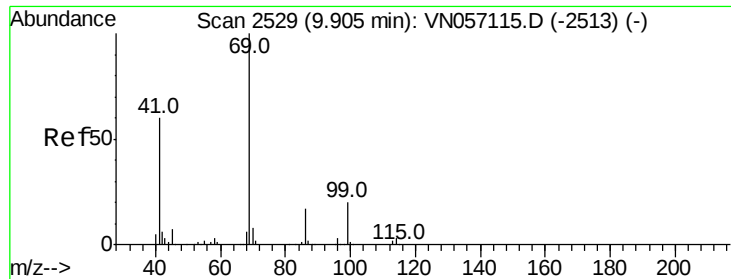
Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	97	Resp:	10775
Ion Ratio	Lower	Upper	
97	100		
83	77.0	67.8	101.8
85	47.8	44.4	66.6
99	57.6	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.910 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

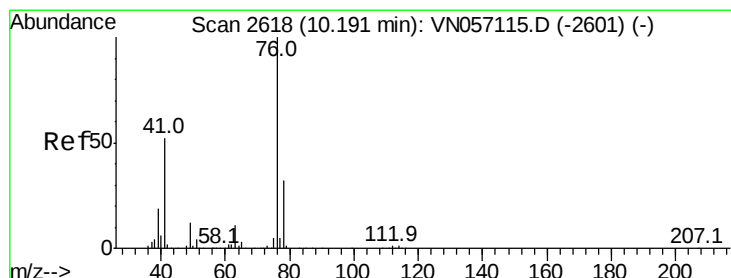
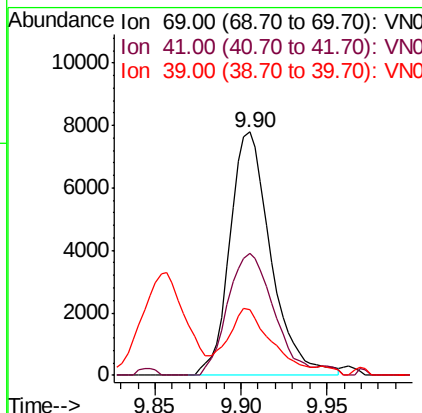
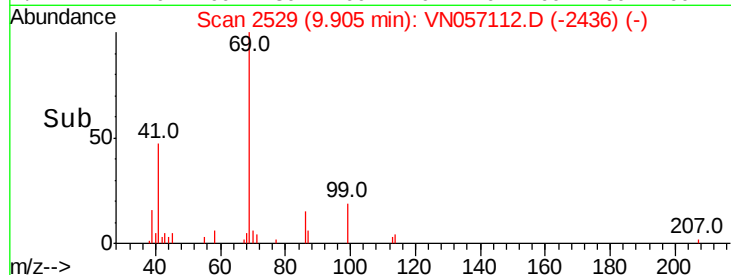
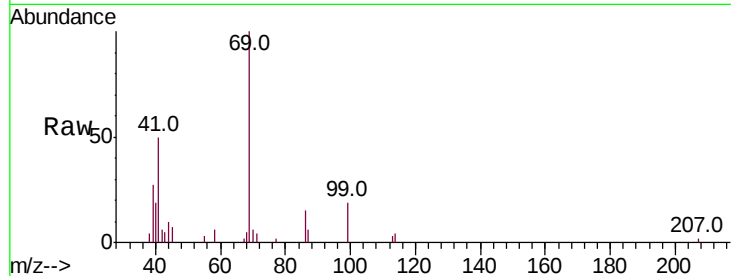
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	12929
Ion	Ratio	Lower	Upper
69	100		
41	56.3	48.1	72.1
39	31.0	23.6	35.4

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.974 ug/l

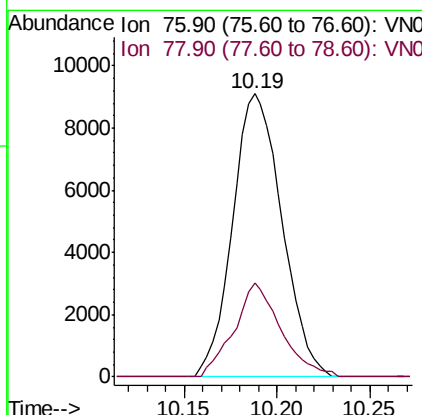
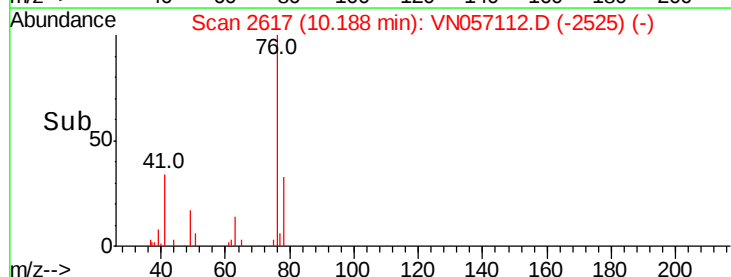
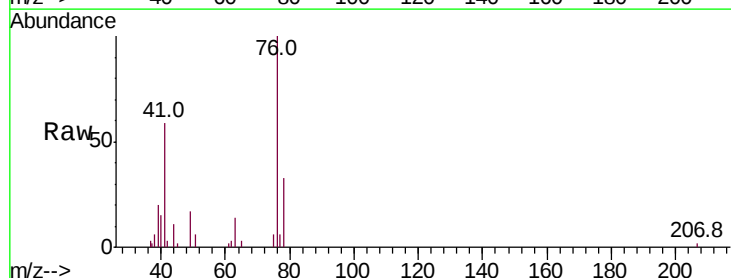
RT: 10.19 min Scan# 2617

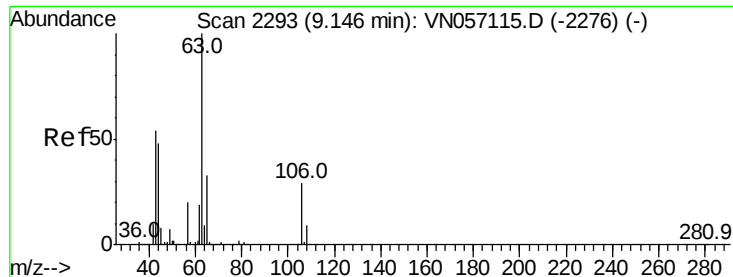
Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	76	Resp:	16778
Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.9	38.9





#58

2-Chloroethyl Vinyl ether

Concen: 3.764 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 19297

Ion Ratio Lower Upper

63 100

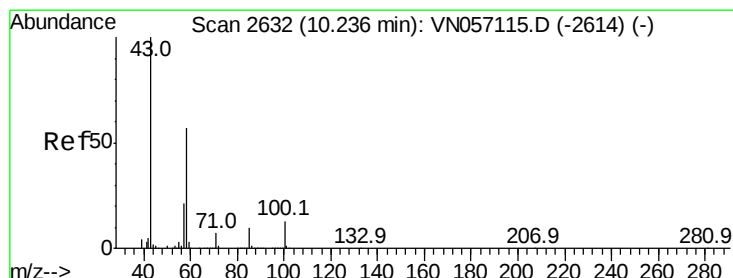
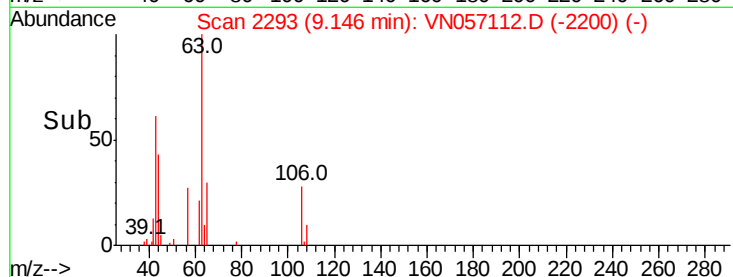
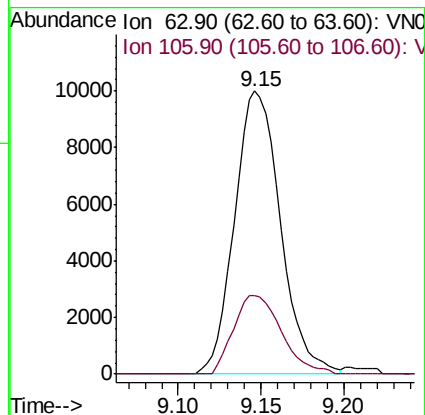
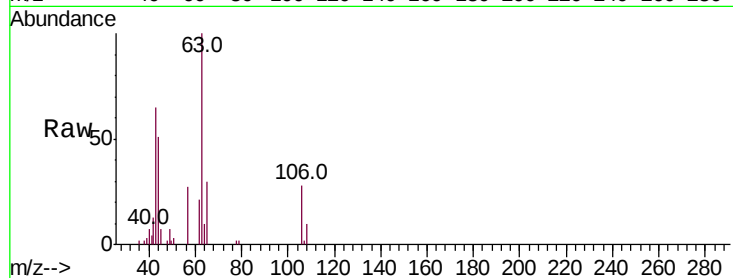
106 29.2 22.6 33.8

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#59

2-Hexanone

Concen: 4.289 ug/l

RT: 10.24 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VN057112.D

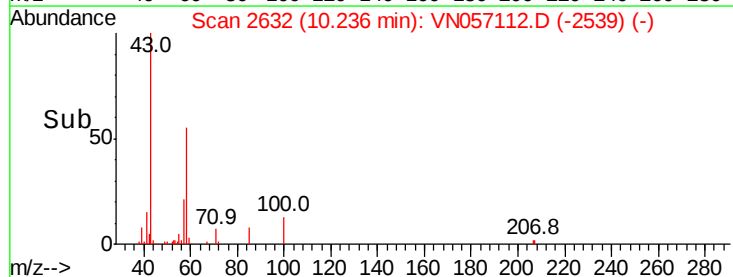
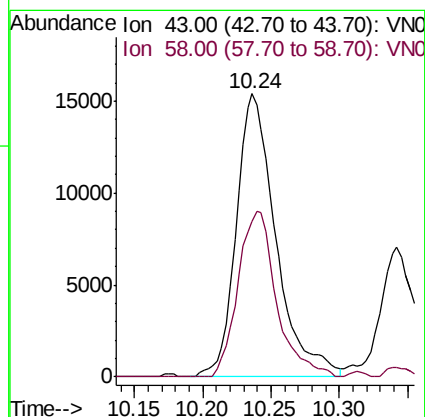
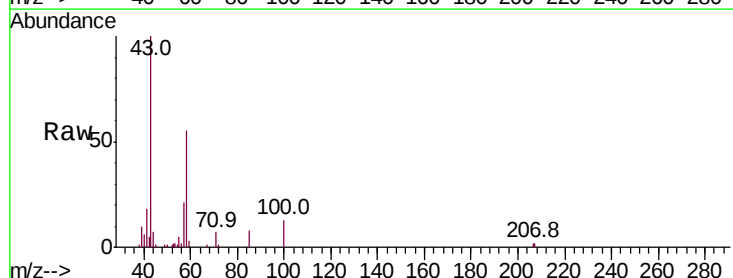
Acq: 7 Aug 2019 18:26

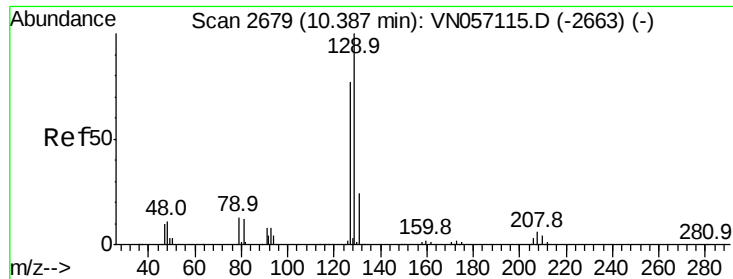
Tgt Ion: 43 Resp: 30986

Ion Ratio Lower Upper

43 100

58 56.8 29.2 87.6





#60

Dibromochloromethane

Concen: 0.866 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 9341

Ion Ratio Lower Upper

129 100

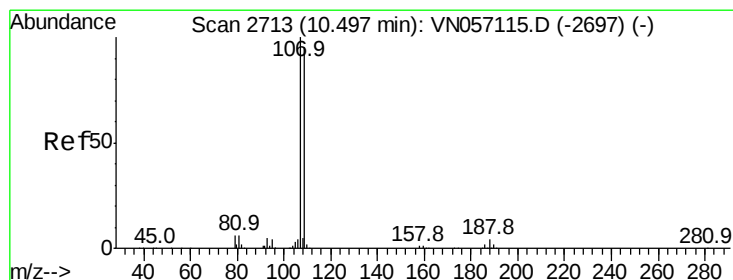
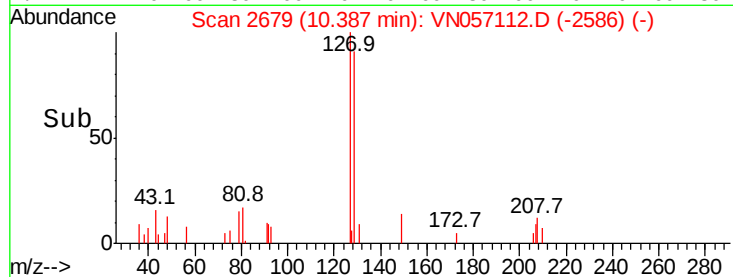
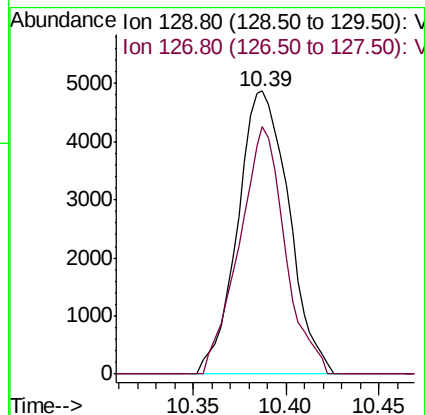
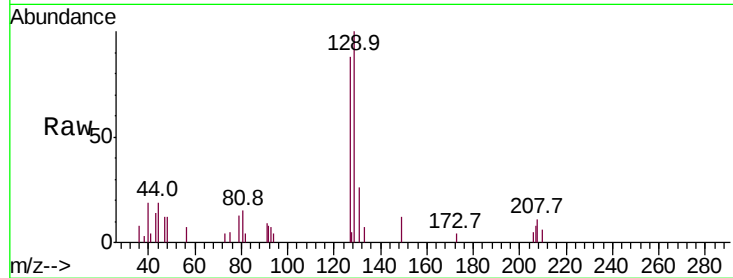
127 78.0 38.6 116.0

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 1.023 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VN057112.D

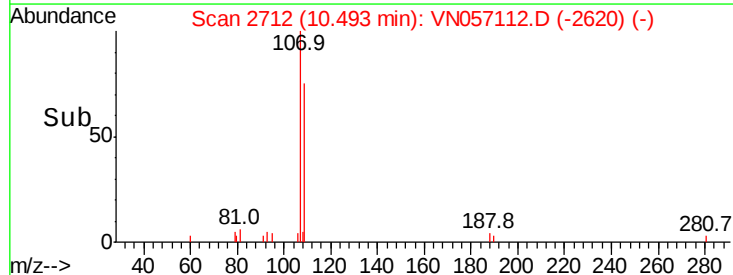
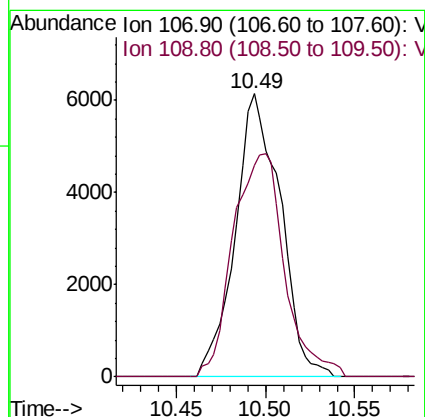
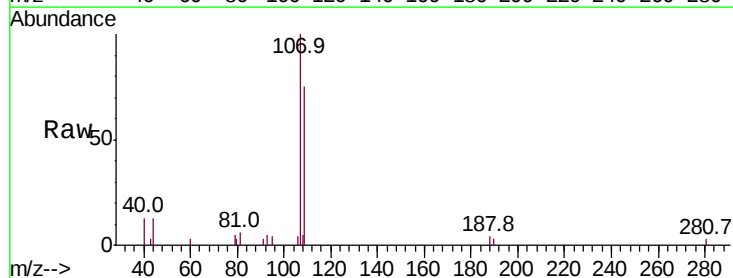
Acq: 7 Aug 2019 18:26

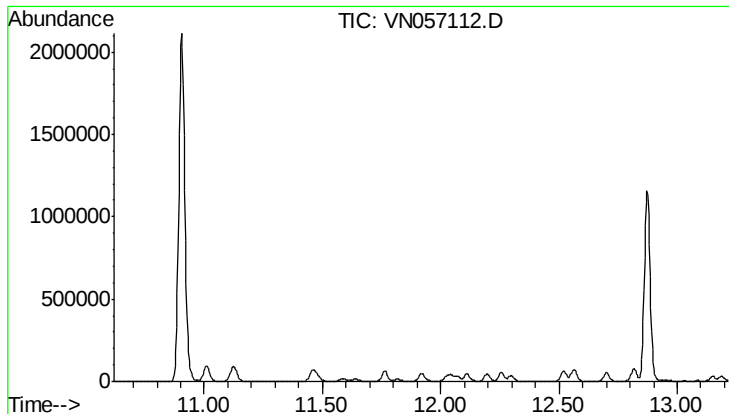
Tgt Ion:107 Resp: 10838

Ion Ratio Lower Upper

107 100

109 90.1 75.6 113.4





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.92 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tot Ion: 95

Sig Exp Ratio

95 100

174 92.5

176 90.6

Instrument :

MSVOA_N

ClientSampleId :

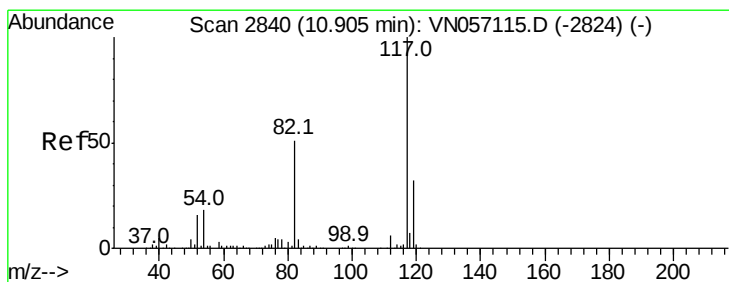
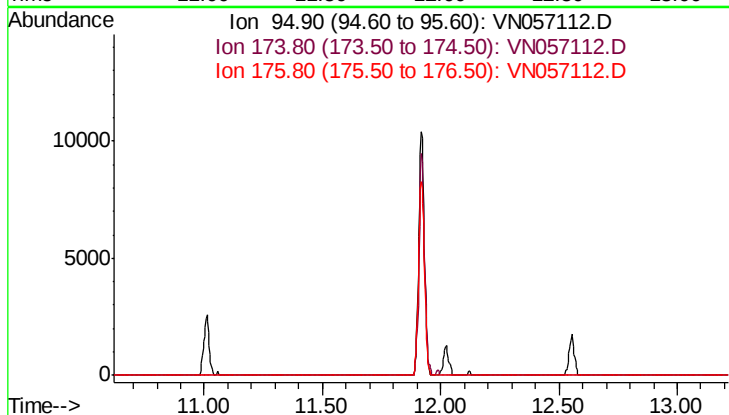
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

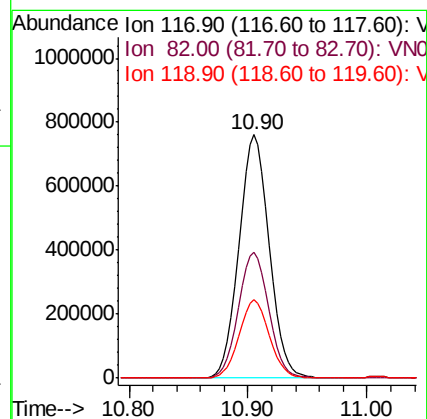
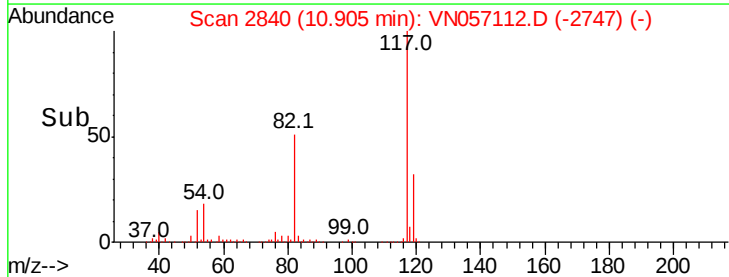
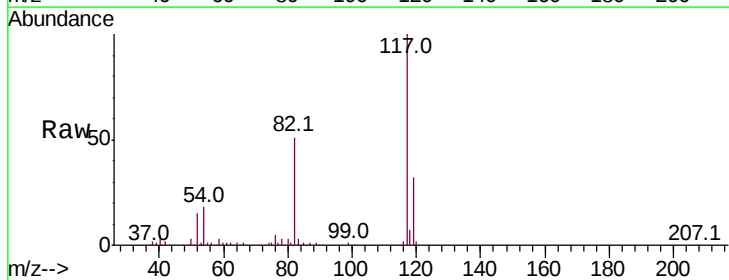
Tgt Ion:117 Resp: 1339238

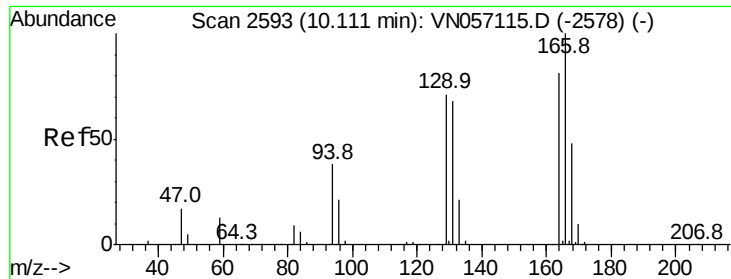
Ion Ratio Lower Upper

117 100

82 51.5 40.8 61.2

119 32.0 25.7 38.5





#64

Tetrachloroethene

Concen: 1.078 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 12145

Ion Ratio Lower Upper

164 100

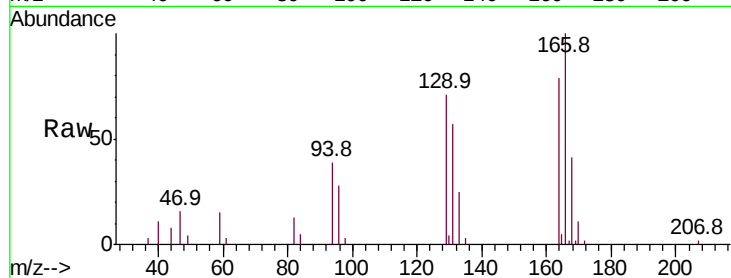
166 126.5 98.3 147.5

129 89.3 69.8 104.6

131 71.7 66.8 100.2

Manual Integrations
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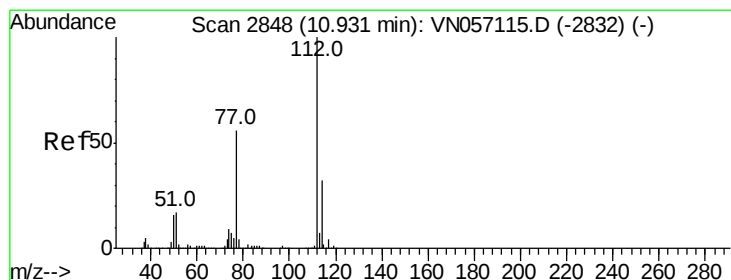
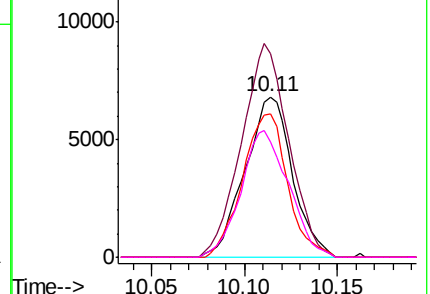
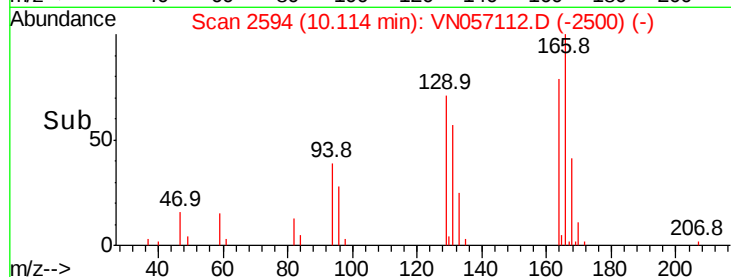


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.046 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057112.D

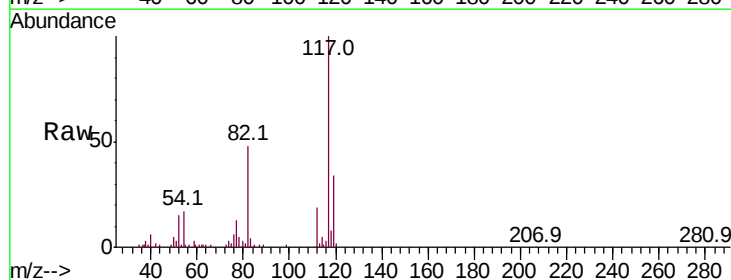
Acq: 7 Aug 2019 18:26

Tgt Ion:112 Resp: 28277

Ion Ratio Lower Upper

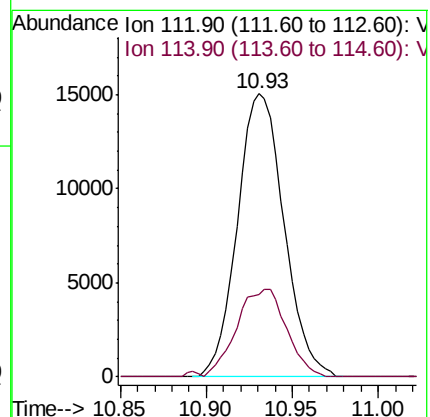
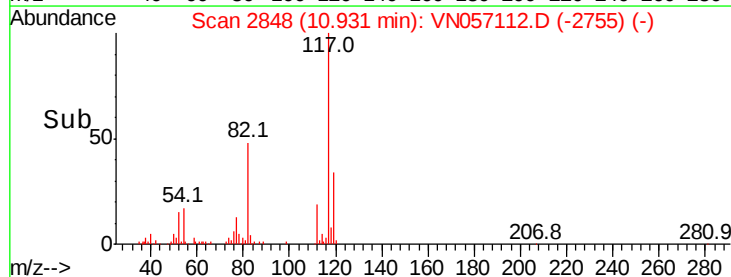
112 100

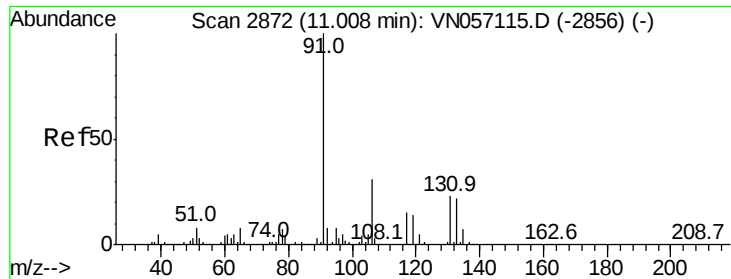
114 29.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.000 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

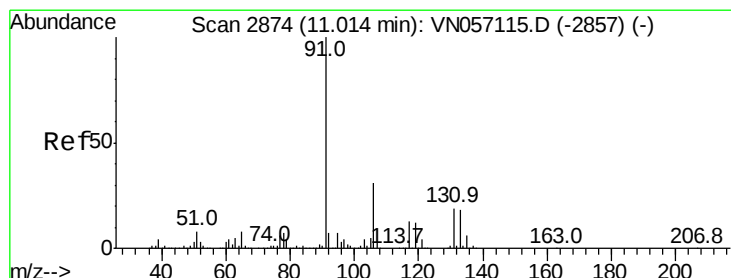
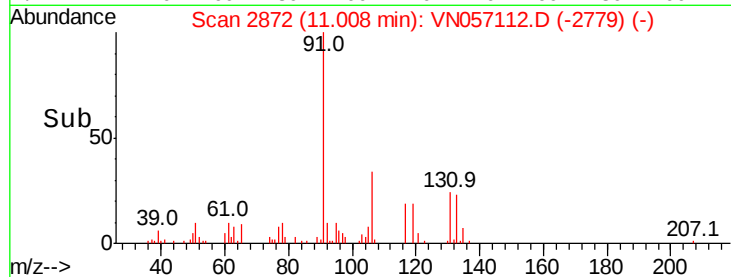
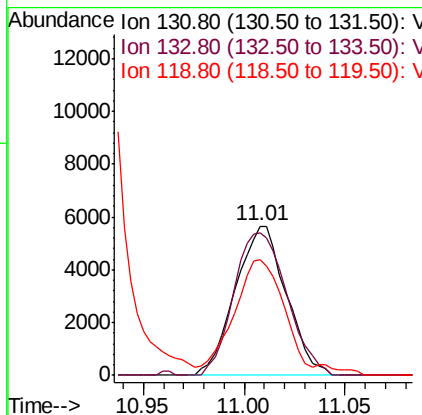
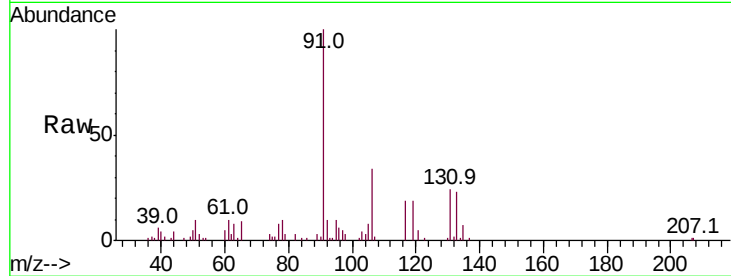
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	100.5	47.6	142.8
119	0.0	32.6	97.7#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.959 ug/l

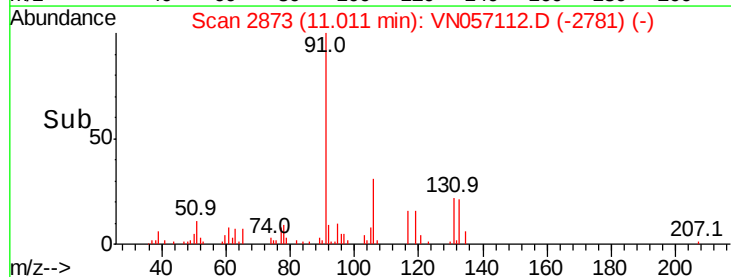
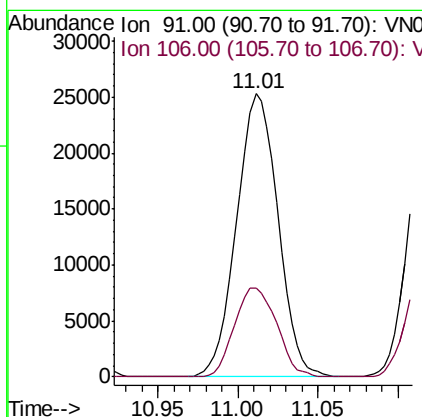
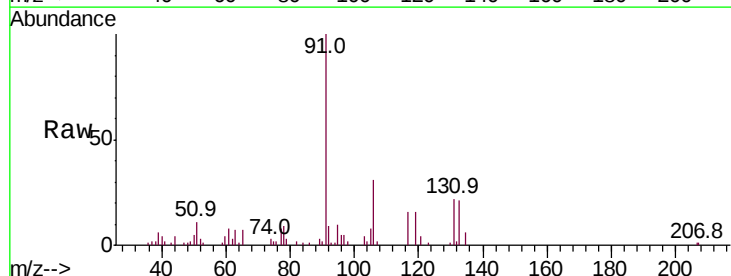
RT: 11.01 min Scan# 2873

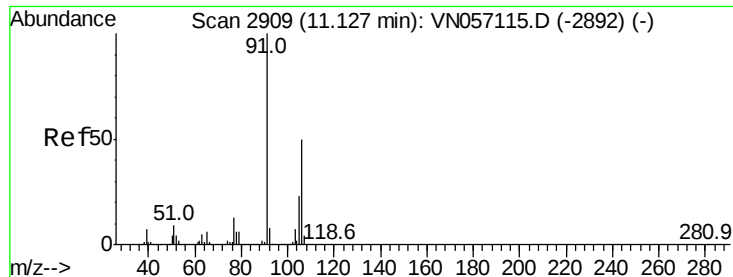
Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.4





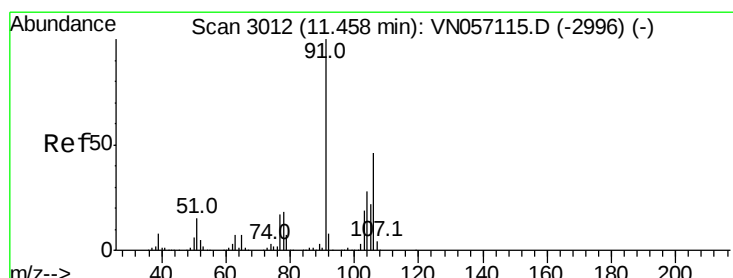
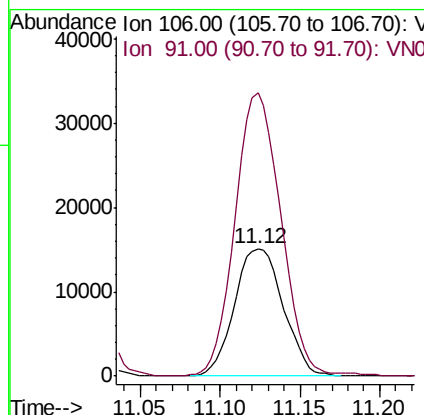
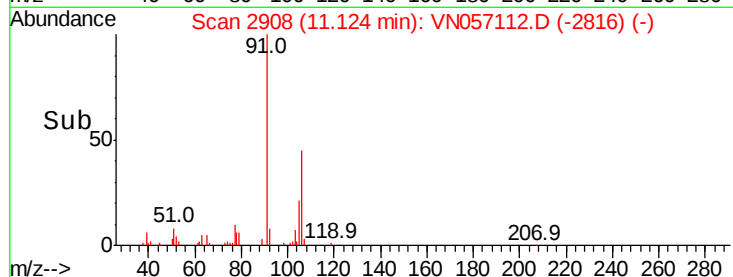
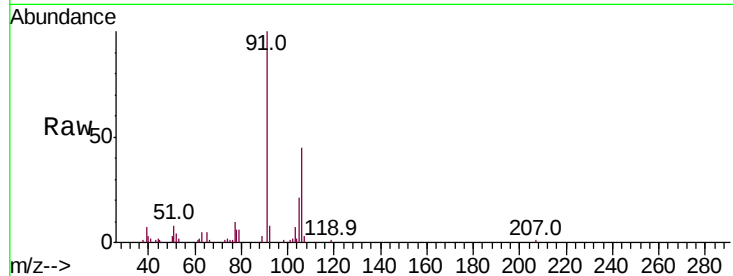
#68
m/p-Xylenes
Concen: 1.796 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.8	159.8	239.8

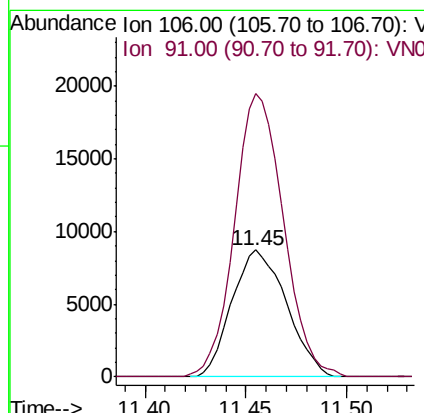
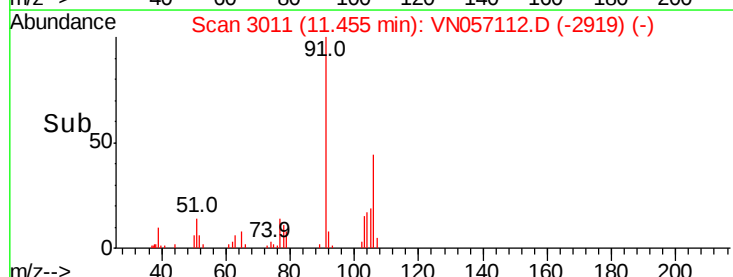
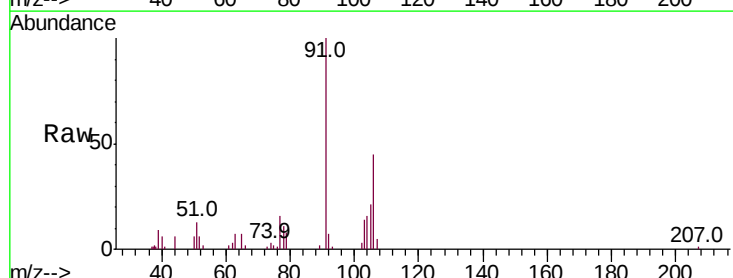
Manual Integrations
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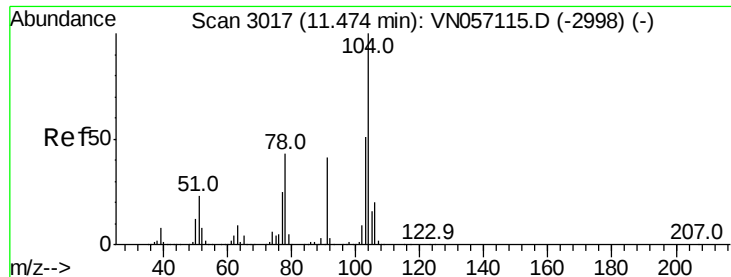
MMDadoda
8/8/2019 2:40:15 PM



#69
o-Xylene
Concen: 0.960 ug/l
RT: 11.45 min Scan# 3011
Delta R.T. -0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.4	106.8	320.5





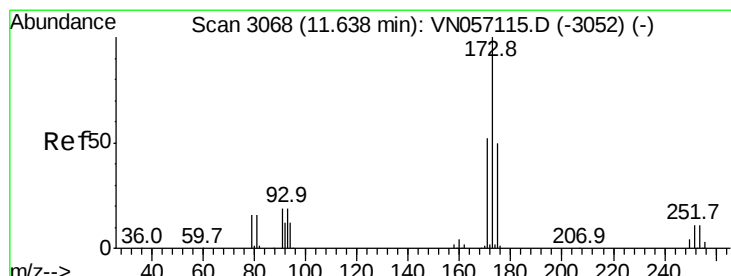
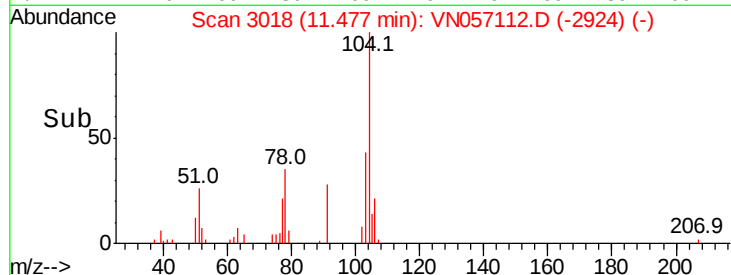
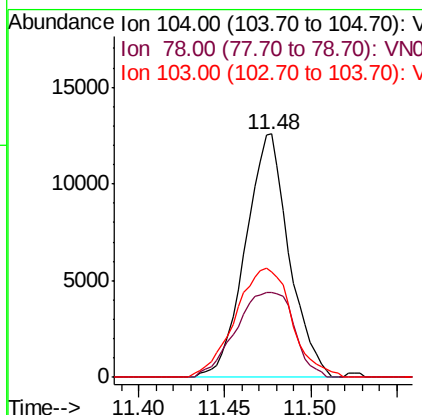
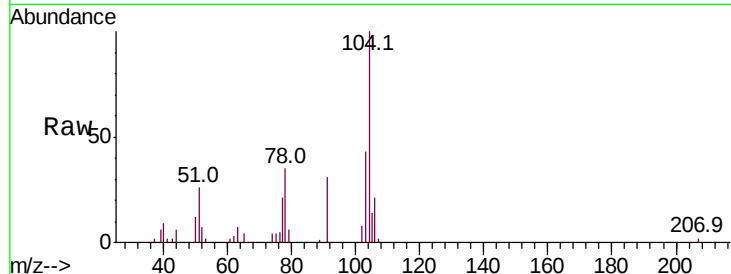
#70
Stvrene
Concen: 0.804 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.5	57.7
103	58.2	44.6	66.8

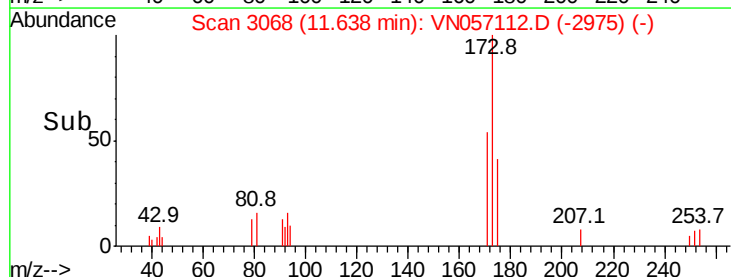
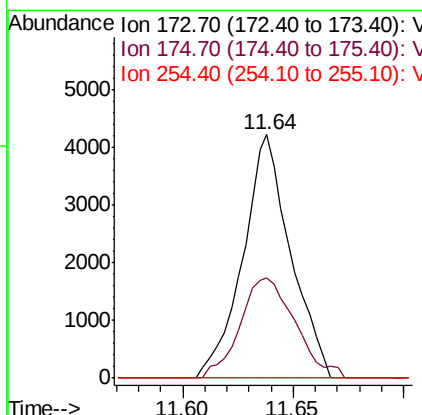
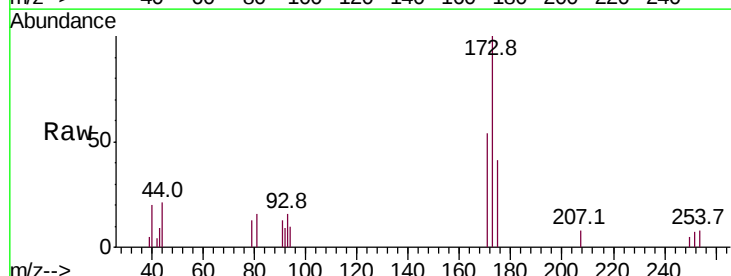
Manual Integrations
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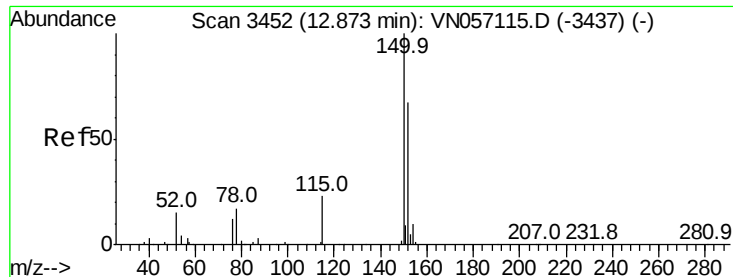
MMDadoda
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#71
Bromoform
Concen: 0.899 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	73.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

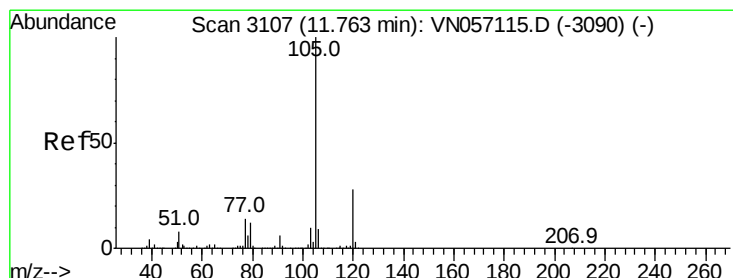
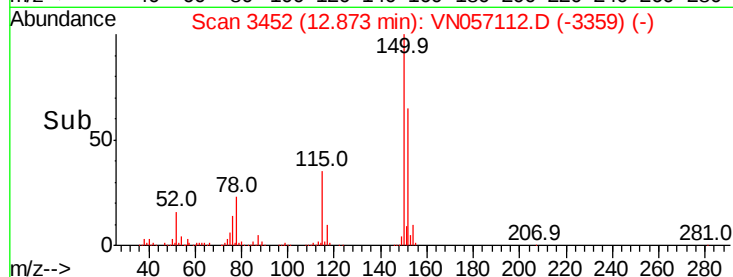
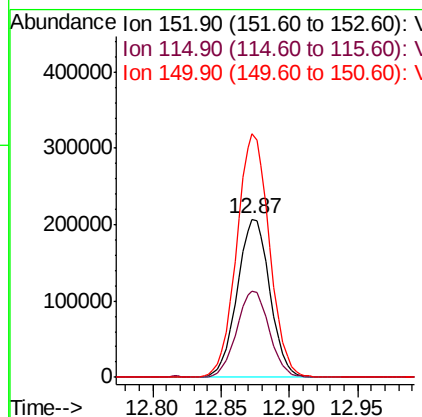
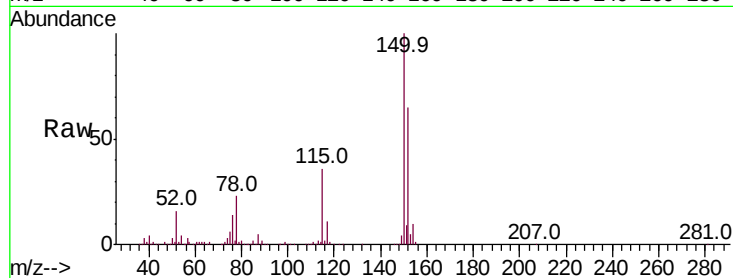
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	343335
Ion Ratio	Lower	Upper	
152	100		
115	54.4	27.5	82.5
150	153.9	0.0	341.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.485 ug/l

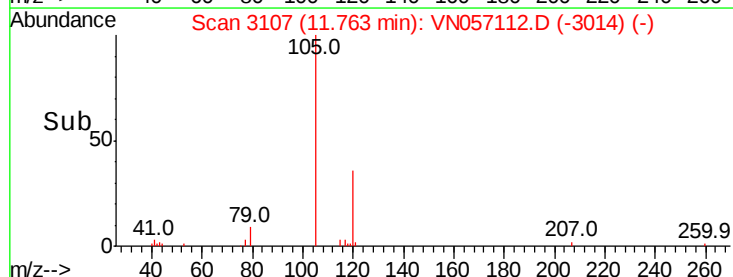
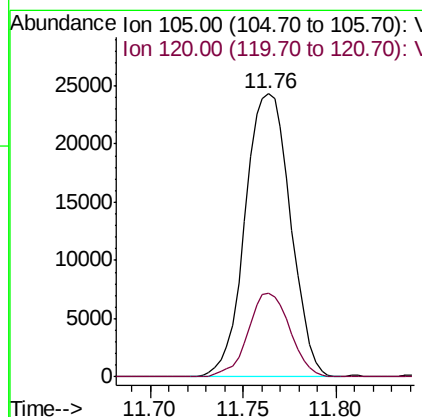
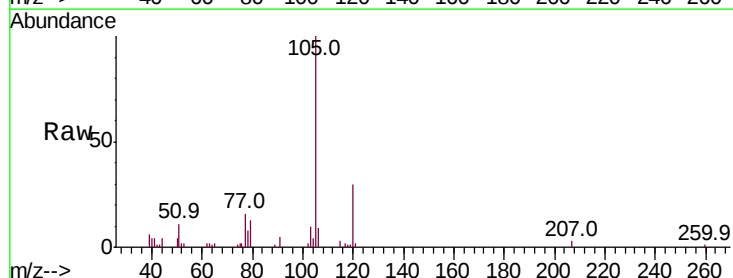
RT: 11.76 min Scan# 3107

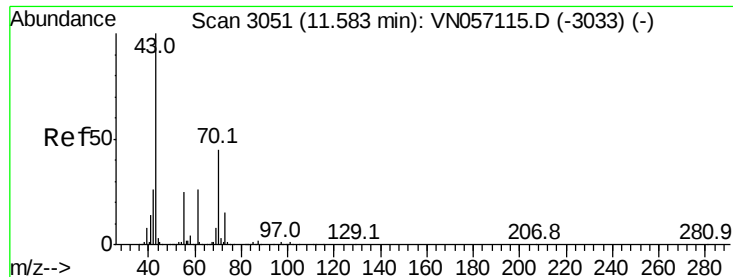
Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	105	Resp:	41422
Ion Ratio	Lower	Upper	
105	100		
120	27.4	13.7	41.0





#74

N-amvl acetate

Concen: 1.007 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

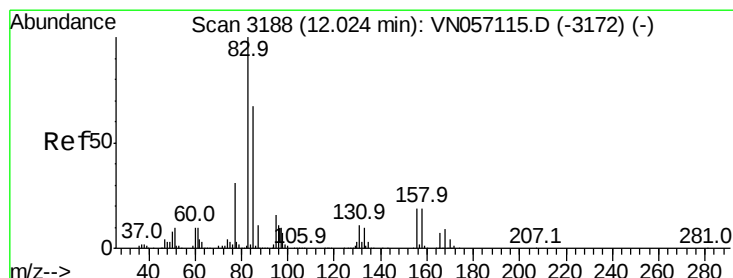
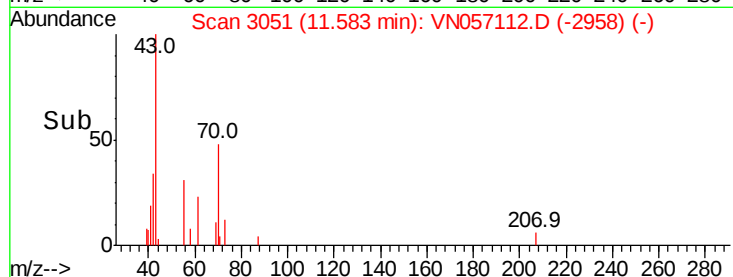
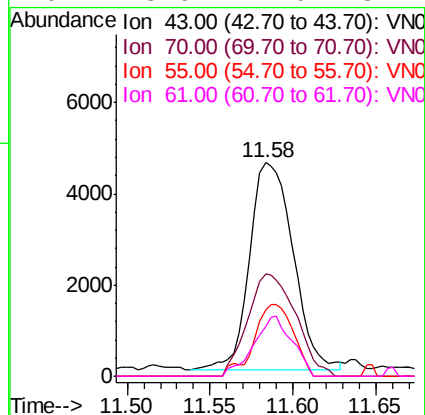
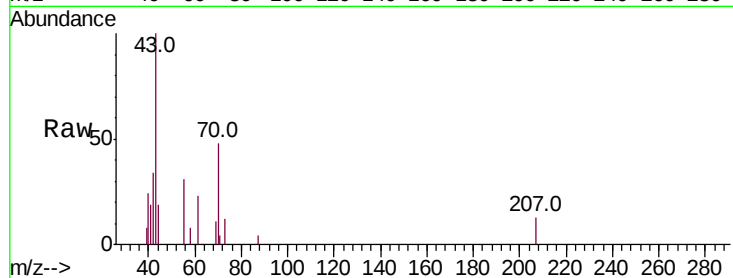
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	8239
Ion	Ratio	Lower	Upper
43	100		
70	54.5	36.8	55.2
55	31.2	20.6	31.0#
61	25.6	21.0	31.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.655 ug/l

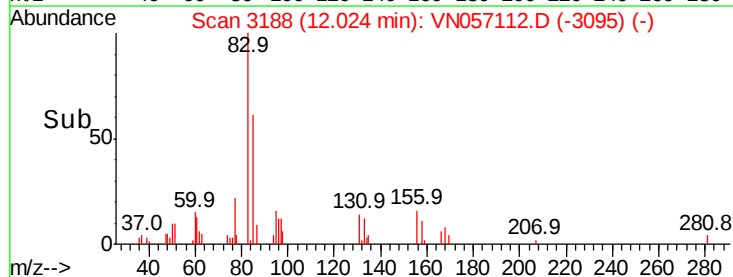
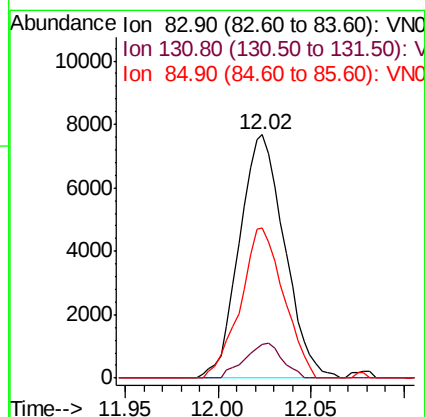
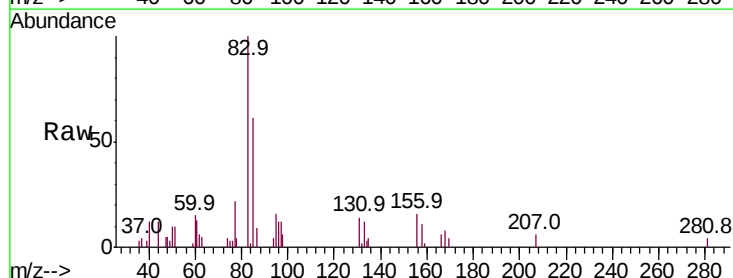
RT: 12.02 min Scan# 3188

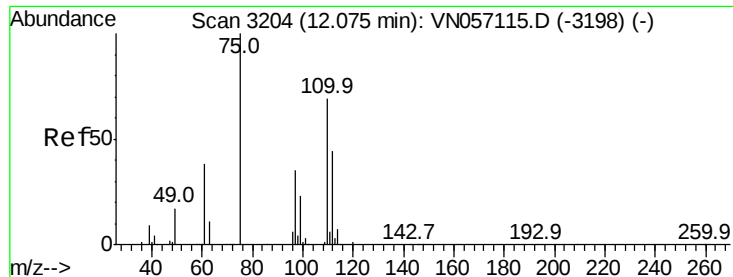
Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	83	Resp:	12982
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.5	16.4
85	58.8	32.4	97.0





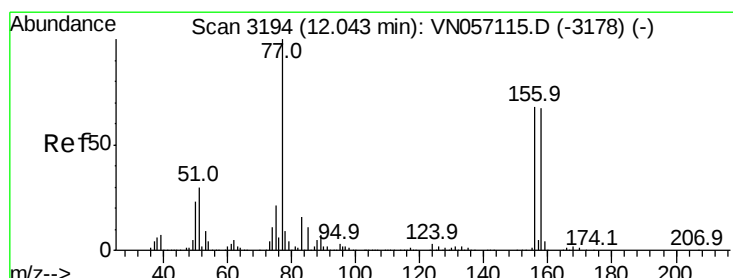
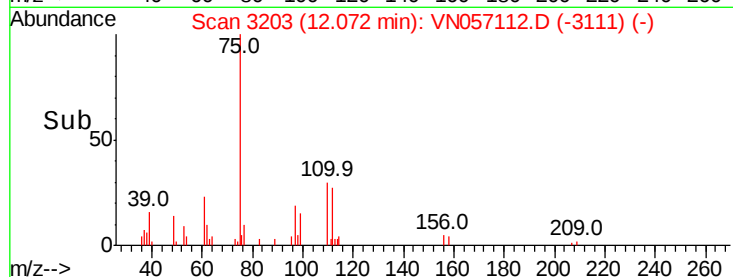
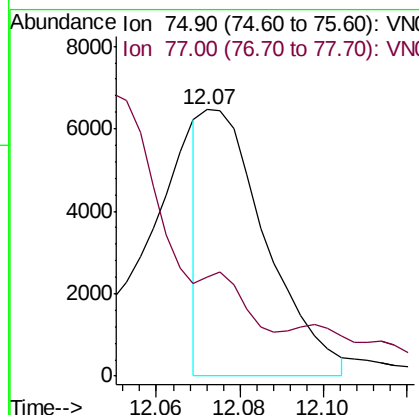
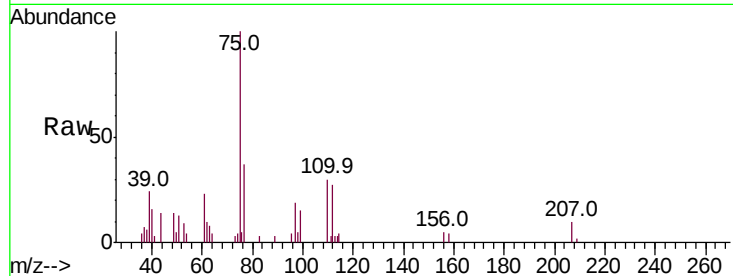
#76
1,2,3-Trichloropropane
Concen: 1.065 ug/l m
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

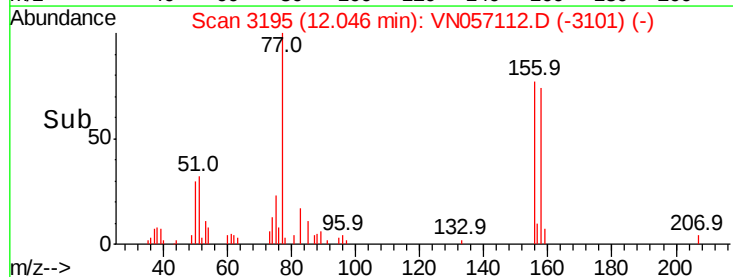
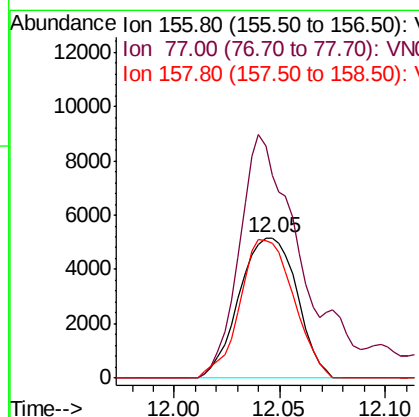
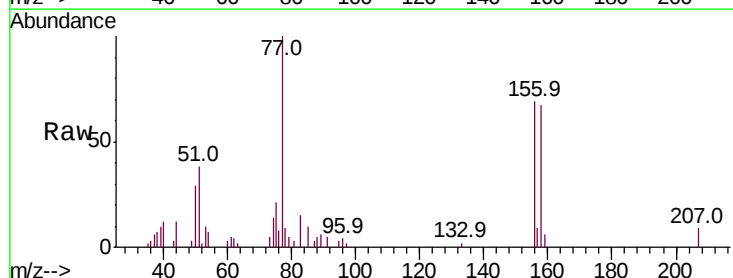
Manual Integrations
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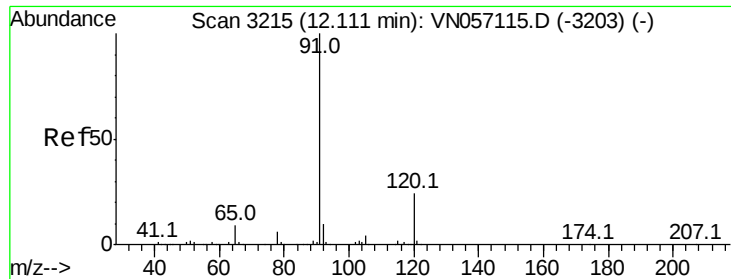
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#77
Bromobenzene
Concen: 1.324 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
156	100		
77	161.9	88.7	266.1
158	91.9	49.3	147.8





#78

n-propylbenzene

Concen: 1.249 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 35738

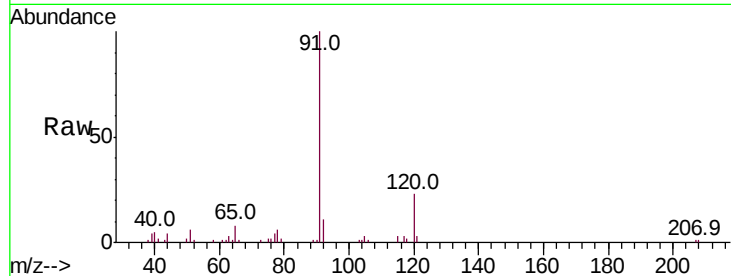
Ion Ratio Lower Upper

91 100

120 24.1 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN057112.D (-3215) (-)

Ion 120.00 (119.70 to 120.70): VN057112.D (-3215) (-)

12.11

25000

20000

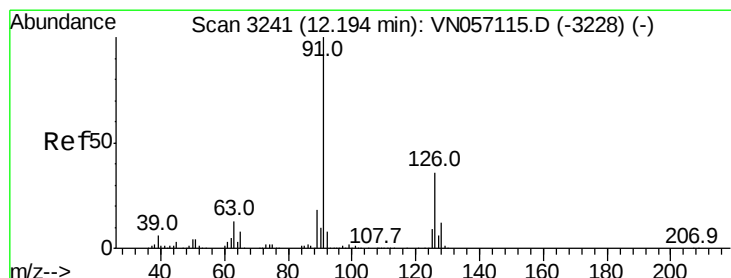
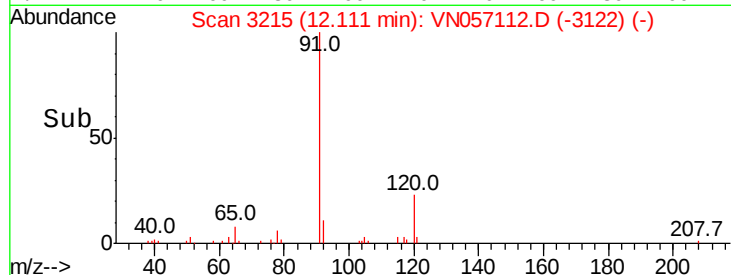
15000

10000

5000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.476 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057112.D

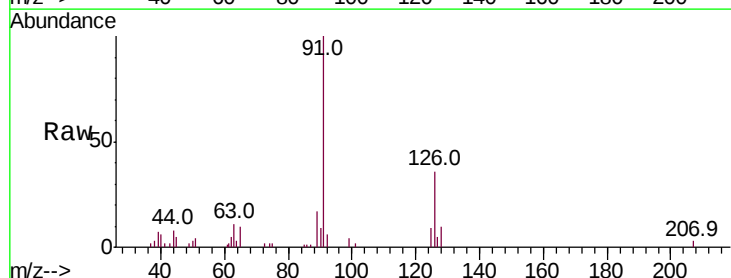
Acq: 7 Aug 2019 18:26

Tgt Ion: 91 Resp: 27011

Ion Ratio Lower Upper

91 100

126 36.9 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN057112.D (-3241) (-)

Ion 125.90 (125.60 to 126.60): VN057112.D (-3241) (-)

12.19

25000

20000

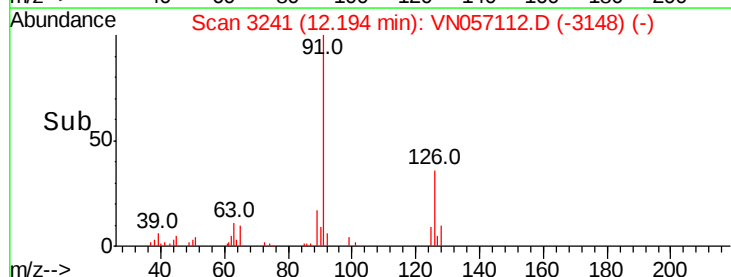
15000

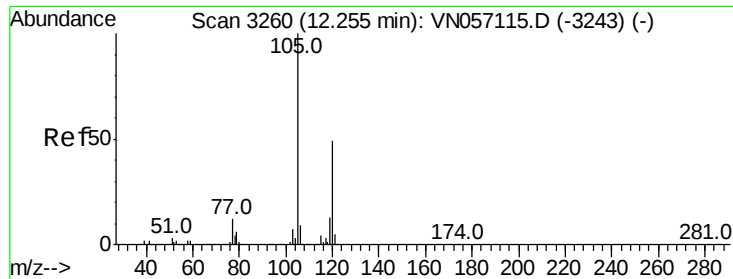
10000

5000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.266 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 29490

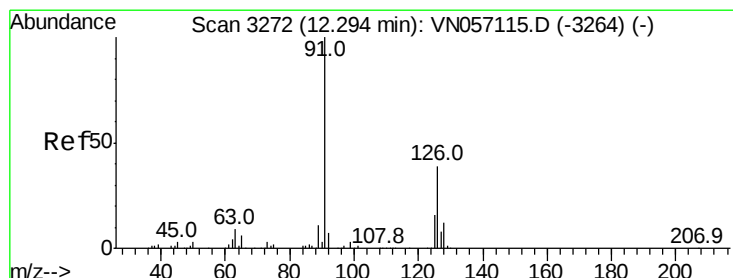
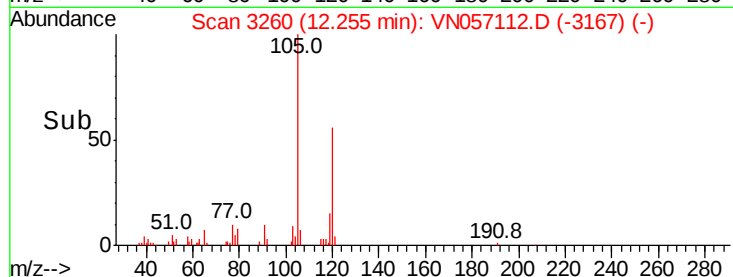
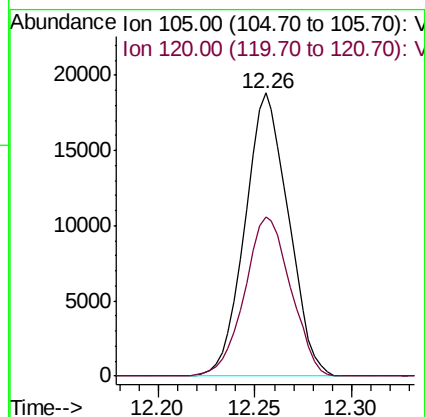
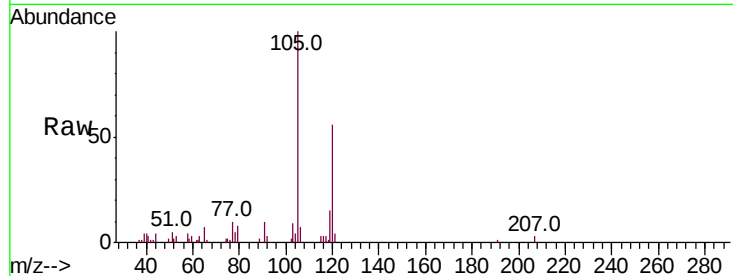
Ion Ratio Lower Upper

105 100

120 59.7 24.6 73.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 1.265 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN057112.D

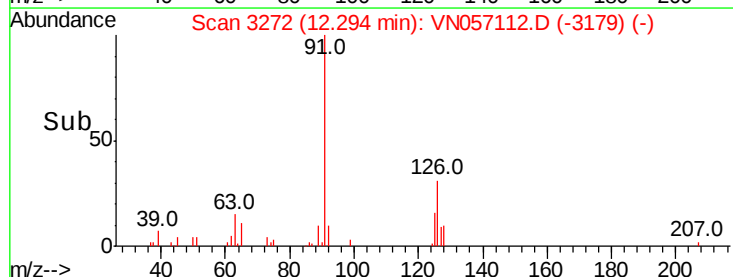
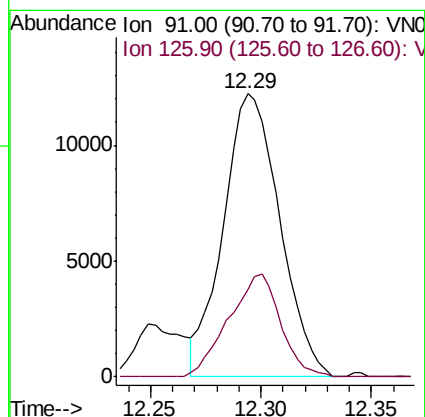
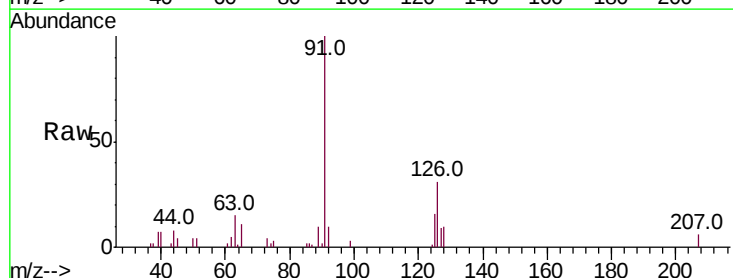
Acq: 7 Aug 2019 18:26

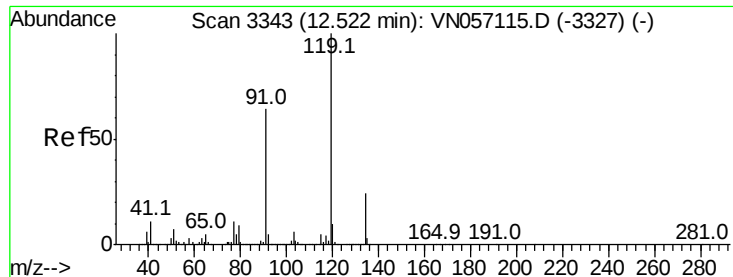
Tgt Ion: 91 Resp: 21703

Ion Ratio Lower Upper

91 100

126 33.4 17.9 53.7





#83

tert-Butylbenzene

Concen: 1.519 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

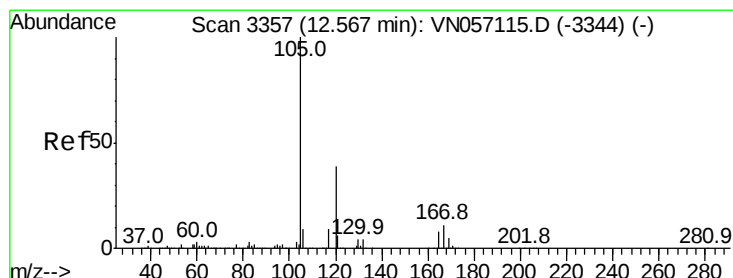
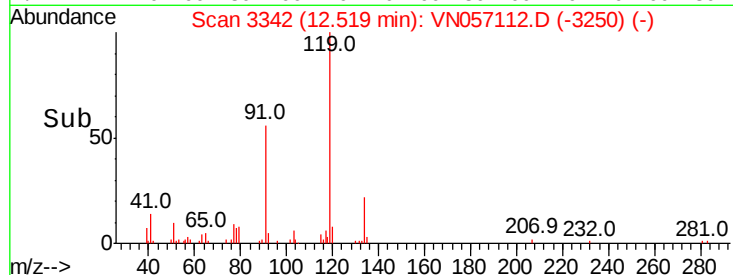
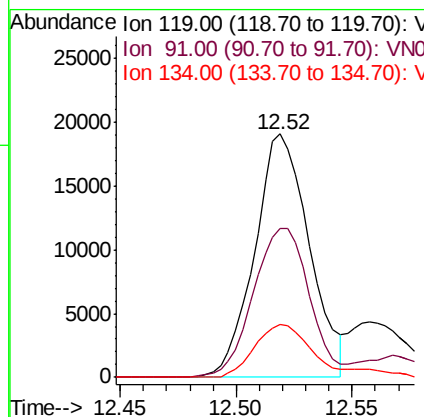
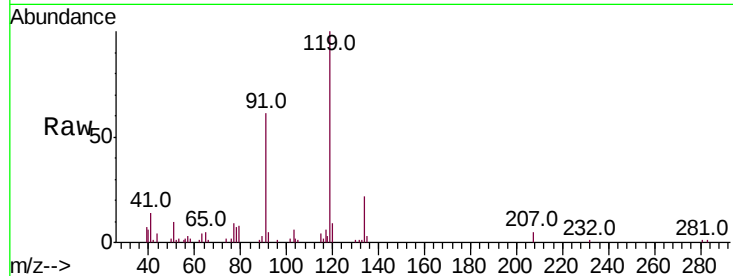
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	31280
Ion Ratio	Lower	Upper	
119	100		
91	63.3	31.4	94.2
134	22.6	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 1.327 ug/l

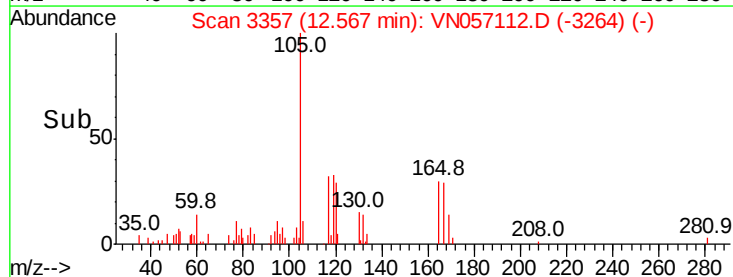
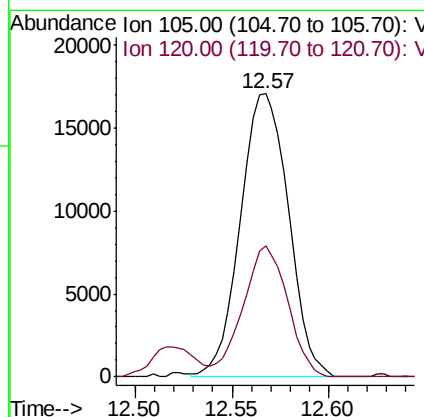
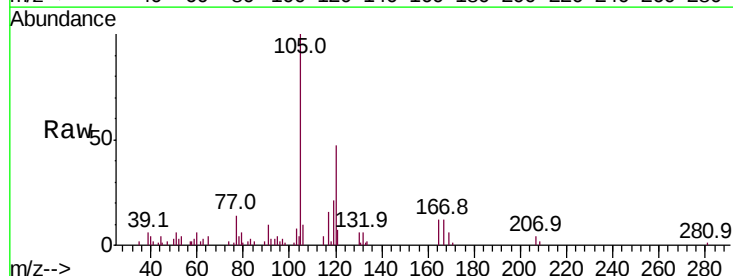
RT: 12.57 min Scan# 3357

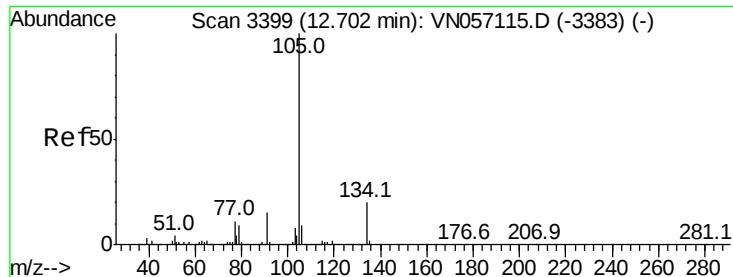
Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	105	Resp:	29553
Ion Ratio	Lower	Upper	
105	100		
120	43.0	23.3	69.8





#85

sec-Butylbenzene

Concen: 1.341 ug/l

RT: 12.70 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 34077

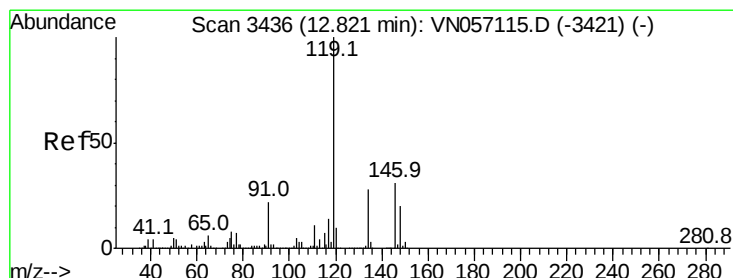
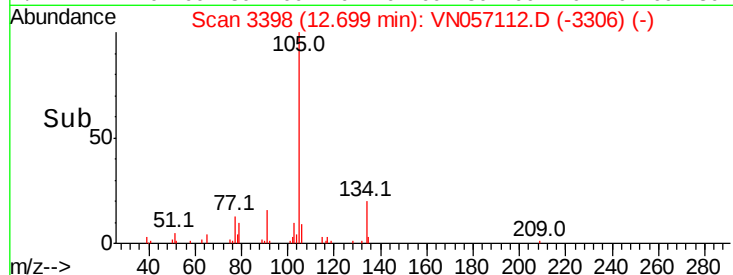
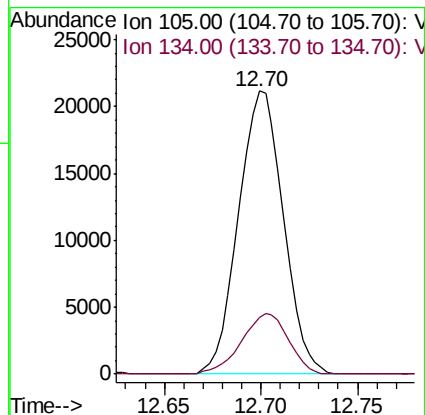
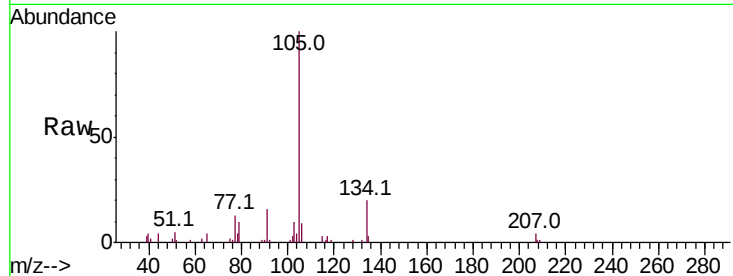
Ion Ratio Lower Upper

105 100

134 22.4 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 1.332 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

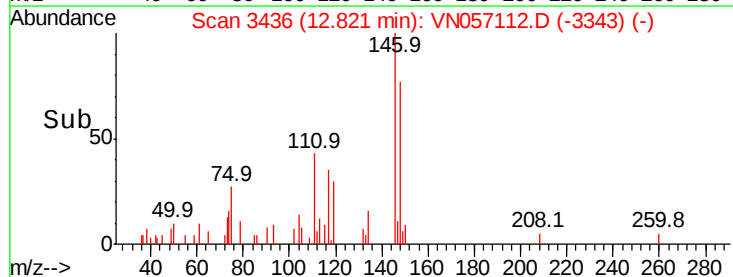
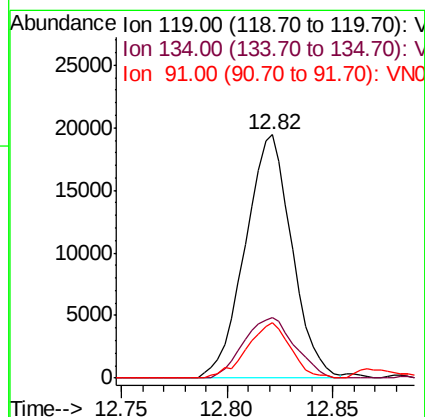
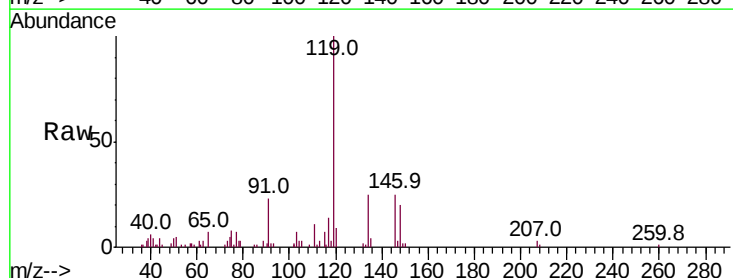
Tgt Ion:119 Resp: 29923

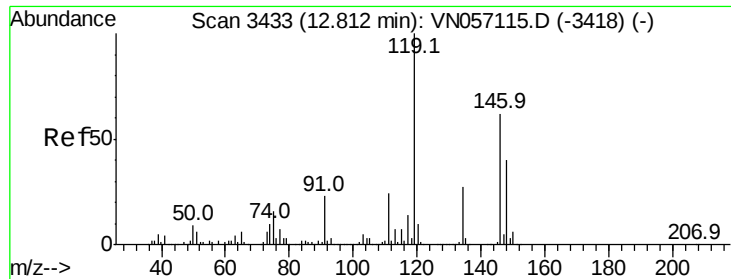
Ion Ratio Lower Upper

119 100

134 27.0 13.8 41.3

91 21.2 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 1.110 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

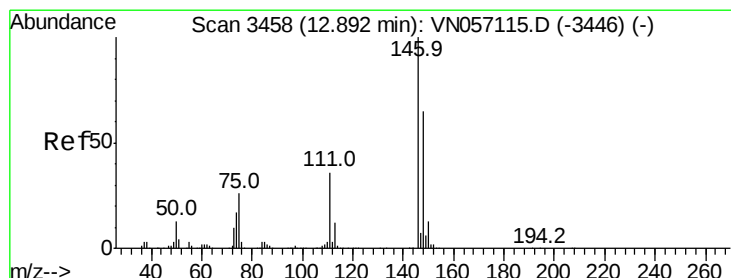
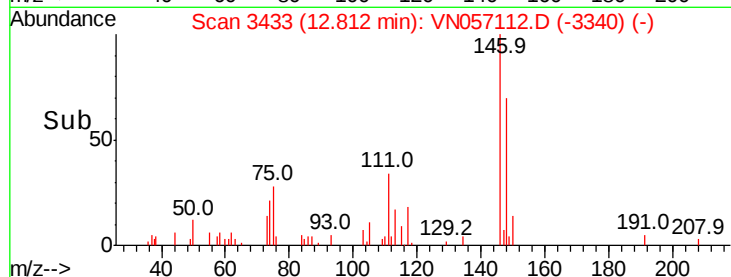
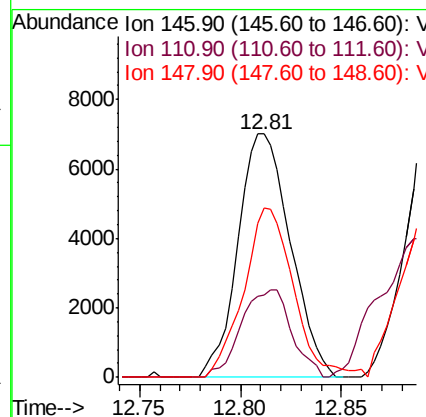
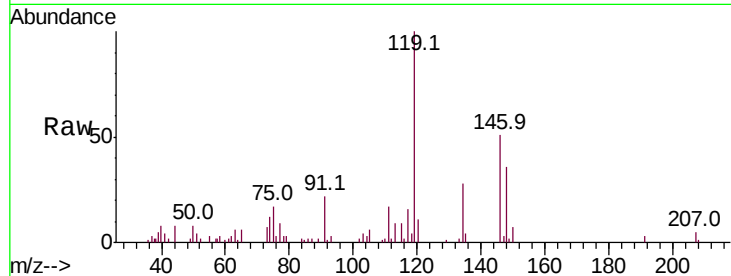
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	12728
Ion Ratio	Lower	Upper	
146	100		
111	34.6	18.8	56.4
148	66.1	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 1.123 ug/l m

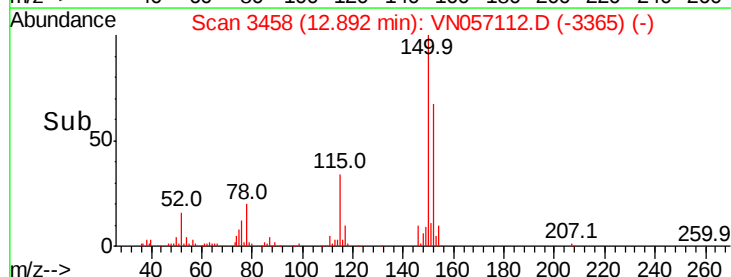
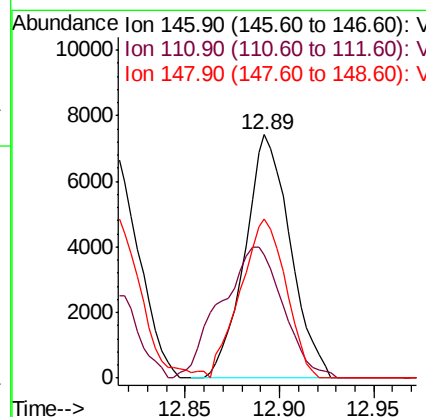
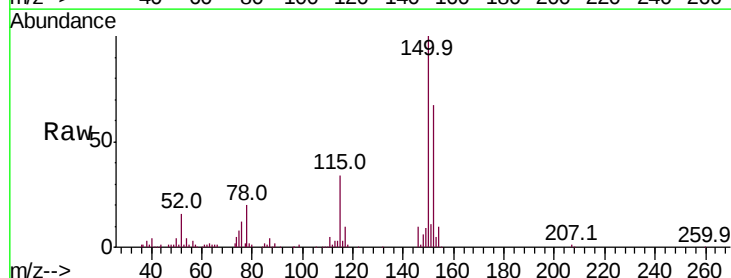
RT: 12.89 min Scan# 3458

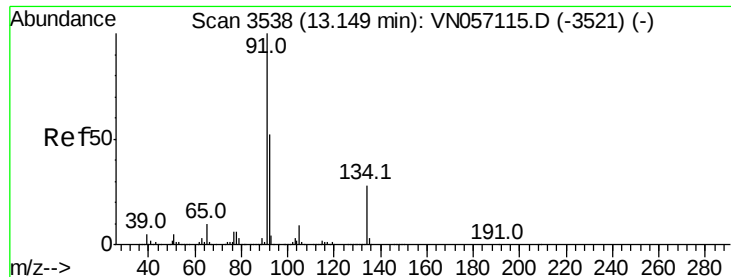
Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	146	Resp:	12389
Ion Ratio	Lower	Upper	
146	100		
111	35.5	18.2	54.6
148	67.9	32.0	96.2





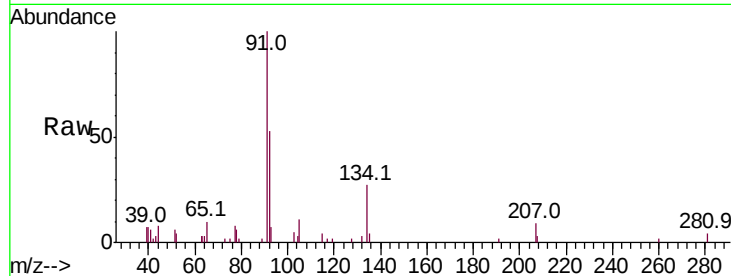
#89
n-Butylbenzene
Concen: 0.961 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. 0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

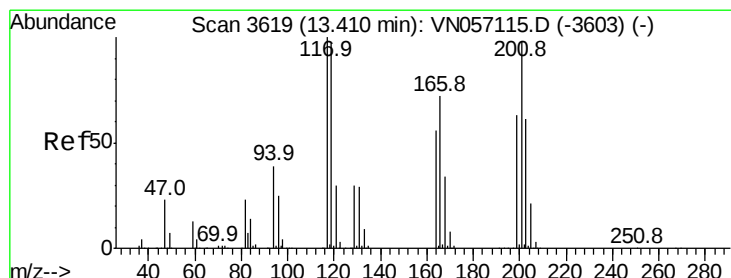
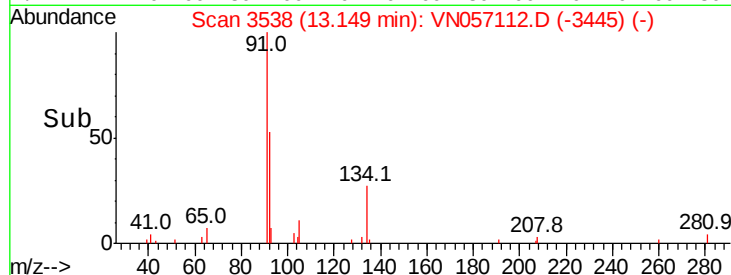
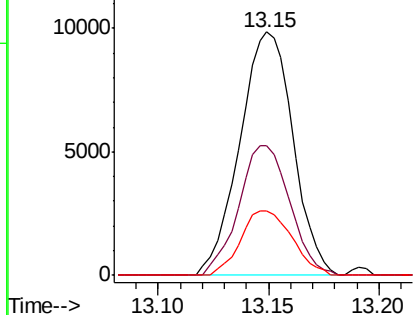
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.5	79.4
134	25.7	14.1	42.3

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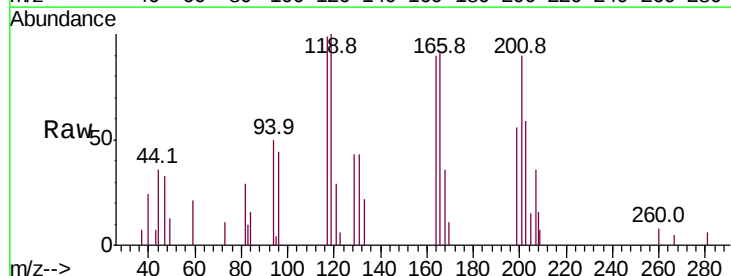


Abundance Ion 91.00 (90.70 to 91.70): VN057112.D (-3521) (-)
Ion 92.00 (91.70 to 92.70): VN057112.D (-3521) (-)
Ion 134.00 (133.70 to 134.70): VN057112.D (-3521) (-)

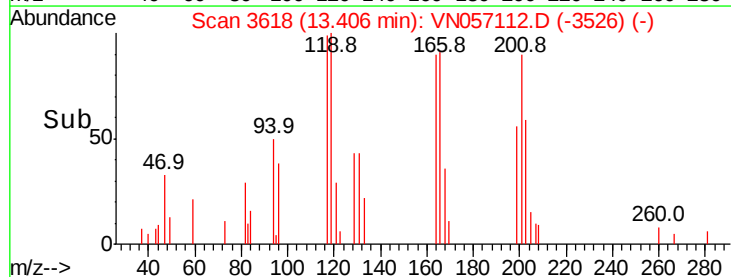
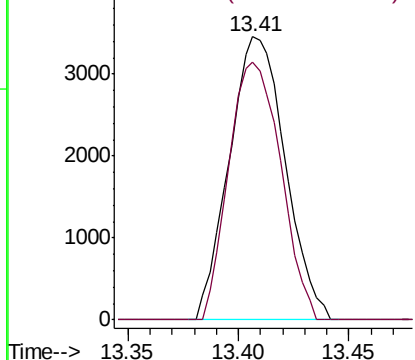


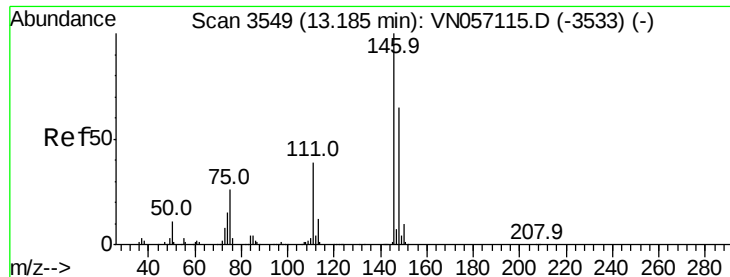
#90
Hexachloroethane
Concen: 1.567 ug/l
RT: 13.41 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VN057112.D
Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	49.3	147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057112.D (-3603) (-)
Ion 200.70 (200.40 to 201.40): VN057112.D (-3603) (-)





#91

1,2-Dichlorobenzene

Concen: 1.249 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

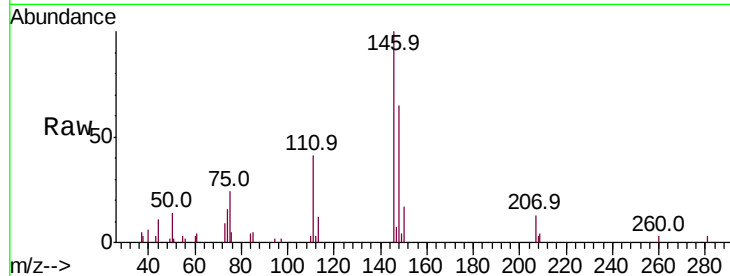
ClientSampleId :

VSTDIC001

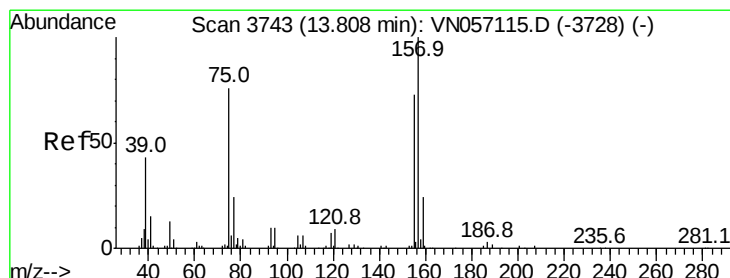
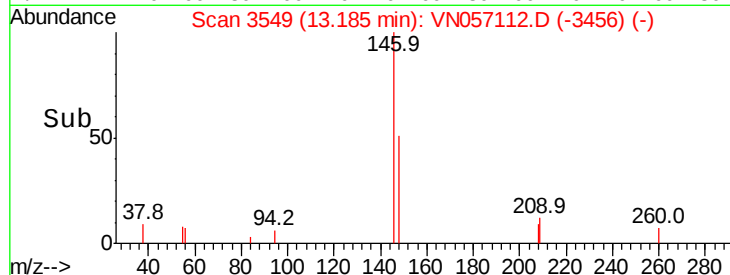
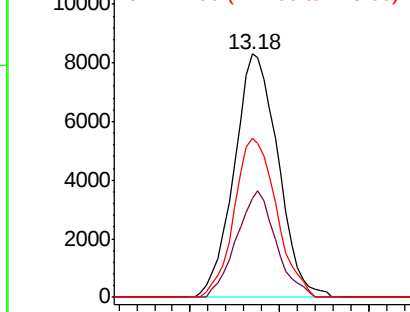
Tot Ion:	146	Resp:	14230
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.2	57.6
148	62.7	32.4	97.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.328 ug/l

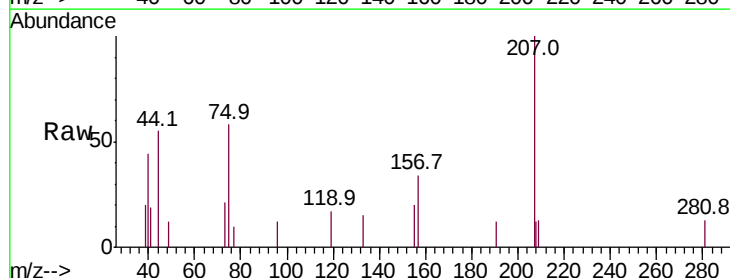
RT: 13.80 min Scan# 3740

Delta R.T. -0.01 min

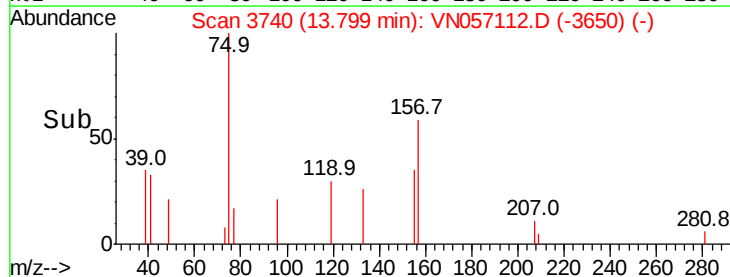
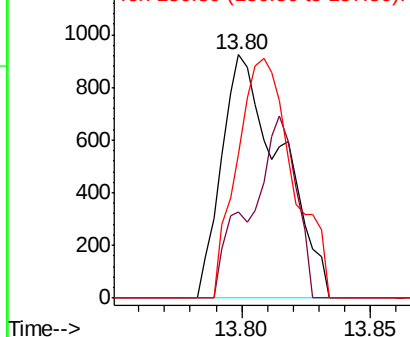
Lab File: VN057112.D

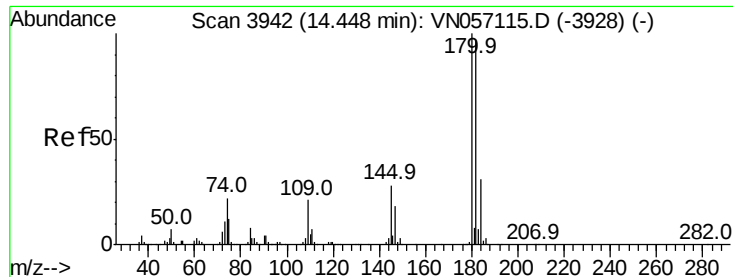
Acq: 7 Aug 2019 18:26

Tgt Ion:	75	Resp:	1480
Ion Ratio	Lower	Upper	
75	100		
155	58.1	49.3	147.9
157	93.1	65.3	195.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





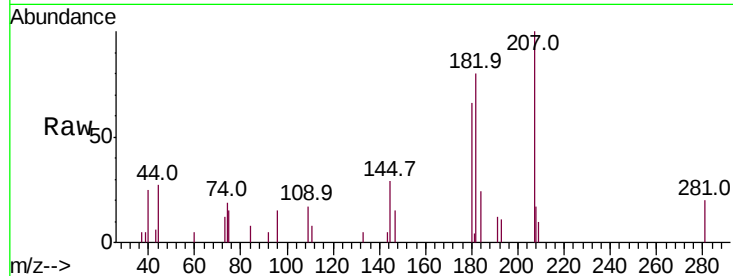
#93
 1,2,4-Trichlorobenzene
 Concen: 0.771 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	117.2	47.5	142.6
145	35.3	14.1	42.2

Manual Integrations
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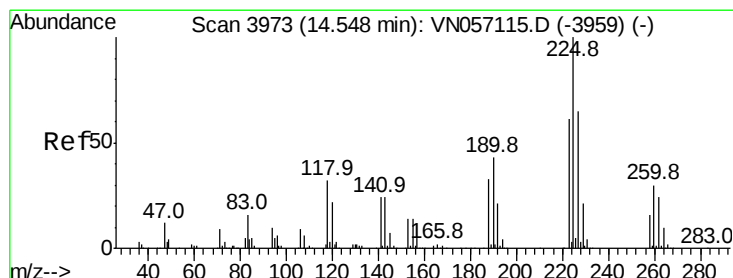
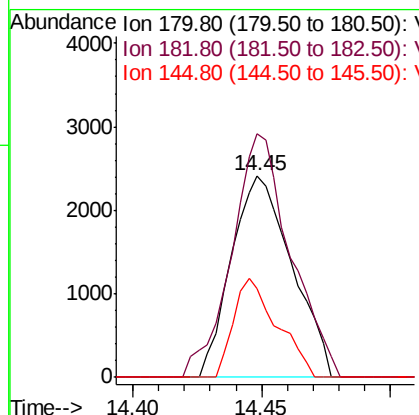
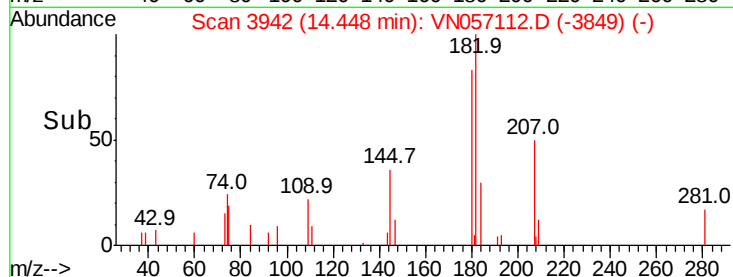


Abundance

Ion 179.80 (179.50 to 180.50): V

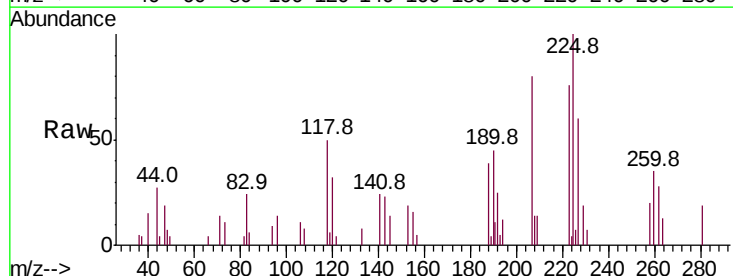
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 1.562 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057112.D
 Acq: 7 Aug 2019 18:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.5	30.9	92.8
227	61.7	32.4	97.0

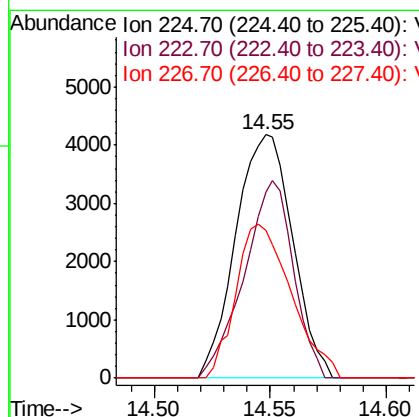
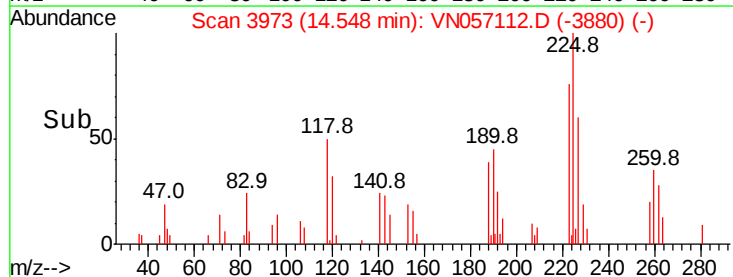


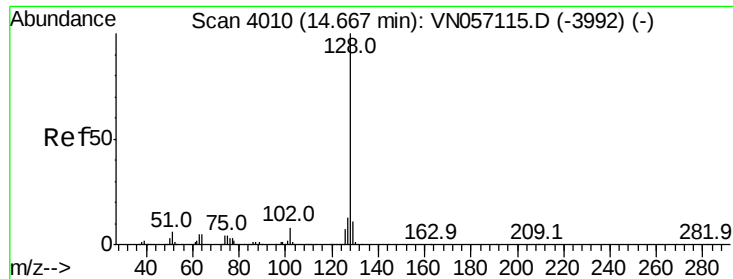
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.636 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Instrument :

MSVOA_N

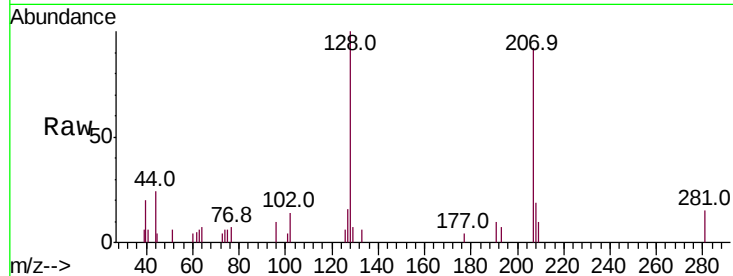
ClientSampled :

VSTDIC001

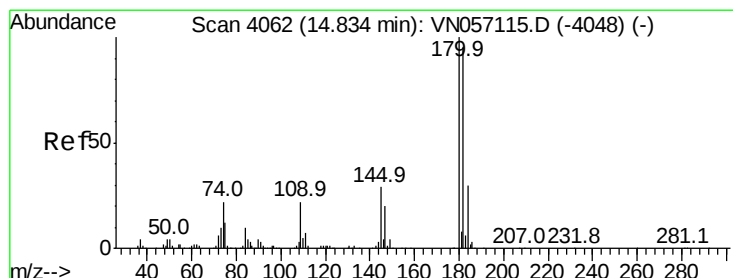
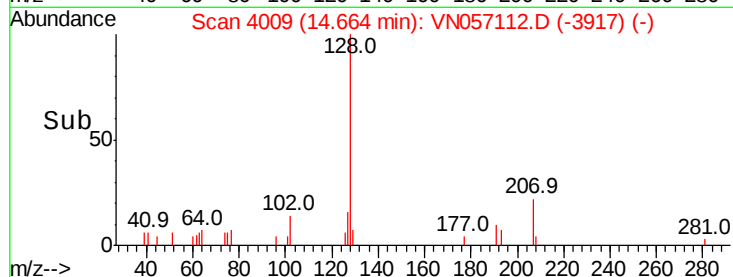
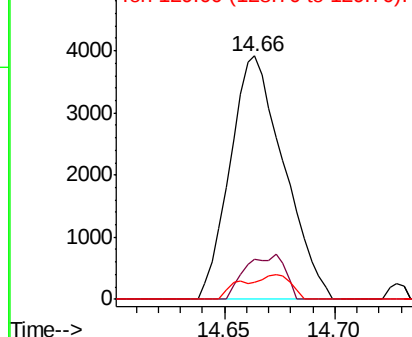
Tot Ion:	128	Resp:	6627
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5#
129	2.8	8.8	13.2#

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.007 ug/l

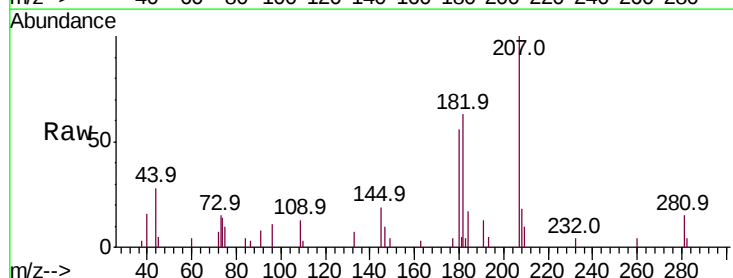
RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057112.D

Acq: 7 Aug 2019 18:26

Tgt Ion:	180	Resp:	5282
Ion Ratio	Lower	Upper	
180	100		
182	99.9	48.3	144.8
145	29.9	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

