

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055178.D
 Acq On : 22 Apr 2019 13:13
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:06 PM

Quant Time: Apr 23 05:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141635	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	1.85	85	4367	0.843 ug/l	92
3) Chloromethane	2.06	50	6159	0.970 ug/l #	84
4) Vinyl Chloride	2.19	62	4736	0.931 ug/l #	87
5) Bromomethane	2.56	94	3517	1.192 ug/l	89
6) Chloroethane	2.70	64	2298	0.836 ug/l #	85
7) Trichlorofluoromethane	3.02	101	6300	0.910 ug/l	99
8) Diethyl Ether	3.41	74	2239m	0.906 ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4613	1.068 ug/l #	65
12) 1,1-Dichloroethene	3.74	96	4090	0.988 ug/l	95
14) Allyl chloride	4.32	41	7718	0.943 ug/l #	83
15) Acrylonitrile	5.00	53	8035	4.609 ug/l #	73
16) Acetone	3.82	43	9090	5.050 ug/l	92
17) Carbon Disulfide	4.06	76	11090	0.958 ug/l #	94
18) Methyl Acetate	4.33	43	8151m	1.641 ug/l	
19) Methyl tert-butyl Ether	5.05	73	11275	0.985 ug/l	97
20) Methylene Chloride	4.56	84	6229	1.204 ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	4036m	0.930 ug/l	
22) Diisopropyl ether	5.96	45	15886	0.974 ug/l #	95
23) Vinyl Acetate	5.90	43	46802	4.270 ug/l	99
24) 1,1-Dichloroethane	5.85	63	8911	1.016 ug/l #	95
25) 2-Butanone	6.85	43	11550	4.970 ug/l	98
26) 2,2-Dichloropropane	6.82	77	6289m	1.059 ug/l	
27) cis-1,2-Dichloroethene	6.84	96	5031	1.006 ug/l	98
28) Bromochloromethane	7.19	49	4718m	1.055 ug/l	
29) Tetrahydrofuran	7.21	42	7158m	4.901 ug/l	
30) Chloroform	7.38	83	8527	1.022 ug/l	96
31) Cyclohexane	7.66	56	16670	1.655 ug/l #	43
32) 1,1,1-Trichloroethane	7.57	97	6487	0.968 ug/l #	53
36) 1,1-Dichloropropene	7.79	75	5032	0.820 ug/l	90
37) Ethyl Acetate	6.94	43	5443m	1.062 ug/l	
38) Carbon Tetrachloride	7.77	117	4859m	0.793 ug/l	
39) Methylcyclohexane	9.08	83	7512	1.027 ug/l	86
40) Benzene	8.05	78	17836	0.942 ug/l	92
41) Methacrylonitrile	7.19	41	2896m	1.146 ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	6560	0.993	ug/l	84
43) Isopropyl Acetate	8.17	43	6367	0.794	ug/l	95
44) Trichloroethene	8.83	130	4636	0.969	ug/l	84
45) 1,2-Dichloropropane	9.12	63	5218	0.976	ug/l	91
46) Dibromomethane	9.21	93	3125	1.022	ug/l	90
47) Bromodichloromethane	9.40	83	5482	0.895	ug/l	88
48) Methyl methacrylate	9.20	41	4330	1.114	ug/l	87
49) 1,4-Dioxane	9.21	88	823	18.331	ug/l #	71
51) 4-Methyl-2-Pentanone	9.99	43	22698	4.922	ug/l	97
52) Toluene	10.16	92	10119	0.912	ug/l	93
53) t-1,3-Dichloropropene	10.39	75	5007	0.891	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	6358	0.912	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	4108	1.004	ug/l	88
56) Ethyl methacrylate	10.43	69	4580	0.899	ug/l	89
57) 1,3-Dichloropropane	10.71	76	6841	0.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	6458	3.930	ug/l	100
59) 2-Hexanone	10.75	43	13735	4.715	ug/l	96
60) Dibromochloromethane	10.90	129	3693	0.876	ug/l	99
61) 1,2-Dibromoethane	11.01	107	3609	0.938	ug/l	98
64) Tetrachloroethene	10.63	164	4188	0.952	ug/l	85
65) Chlorobenzene	11.43	112	11670	1.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	3919	0.960	ug/l #	65
67) Ethyl Benzene	11.51	91	18490	0.943	ug/l	99
68) m/p-Xylenes	11.62	106	13019	1.851	ug/l	98
69) o-Xylene	11.95	106	6297	0.902	ug/l	88
70) Styrene	11.96	104	8578	0.793	ug/l	93
71) Bromoform	12.13	173	2213	0.909	ug/l #	97
73) Isopropylbenzene	12.25	105	16793	1.235	ug/l	99
74) N-amyl acetate	12.07	43	3861	1.057	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	5043	1.402	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	3295m	1.241	ug/l	
77) Bromobenzene	12.53	156	3580	1.145	ug/l	90
78) n-propylbenzene	12.59	91	15442	1.087	ug/l	98
79) 2-Chlorotoluene	12.67	91	10448	1.165	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	11404	1.076	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	940	1.240	ug/l #	92
82) 4-Chlorotoluene	12.77	91	9002	1.091	ug/l	93
83) tert-Butylbenzene	12.99	119	11616	1.225	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	10507	1.050	ug/l	95
85) sec-Butylbenzene	13.17	105	14747	1.229	ug/l	99
86) p-Isopropyltoluene	13.29	119	10562	1.069	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	4900	1.021	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5328m	1.140	ug/l	
89) n-Butylbenzene	13.62	91	7327	1.000	ug/l	95
90) Hexachloroethane	13.87	117	2163	1.234	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	5506	1.117	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	505	1.174	ug/l	69
93) 1,2,4-Trichlorobenzene	14.91	180	1790	1.028	ug/l	83
94) Hexachlorobutadiene	15.01	225	2538	1.438	ug/l	92
95) Naphthalene	15.14	128	3778	1.028	ug/l #	93

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ClientSampleId :
VSTDICC001

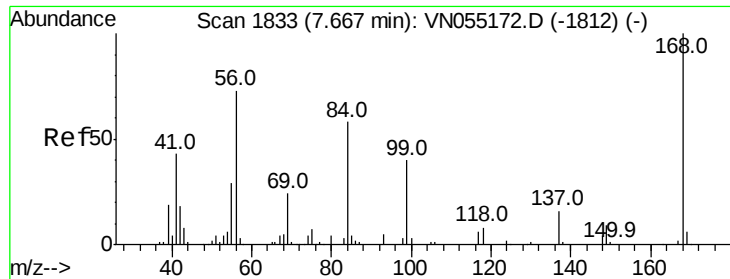
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1952	1.078	ug/l	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 402284

Ion Ratio Lower Upper

168 100

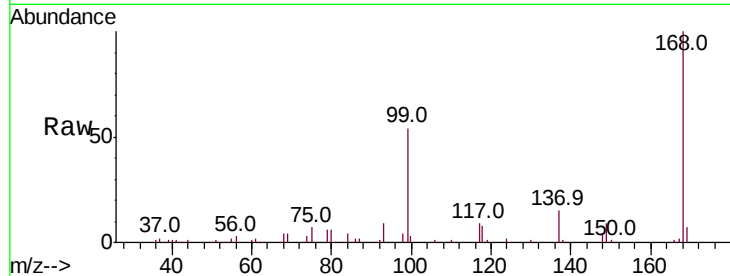
99 53.8 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

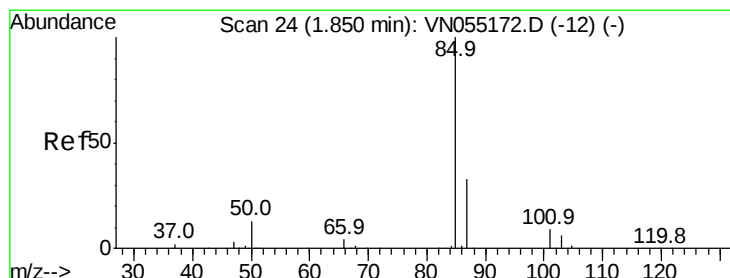
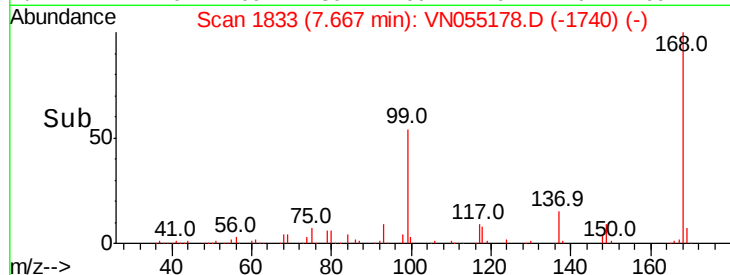
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 0.843 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055178.D

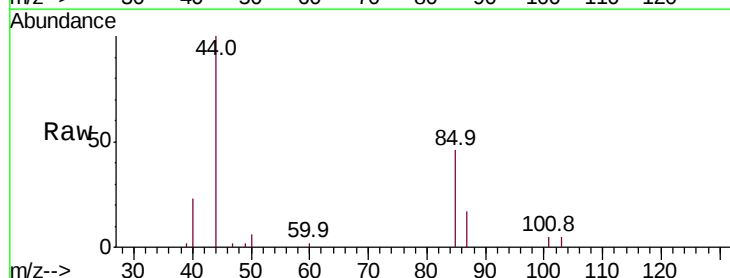
Acq: 22 Apr 2019 13:13

Tgt Ion: 85 Resp: 4367

Ion Ratio Lower Upper

85 100

87 37.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

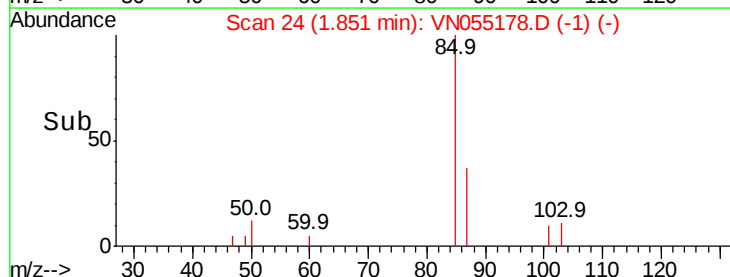
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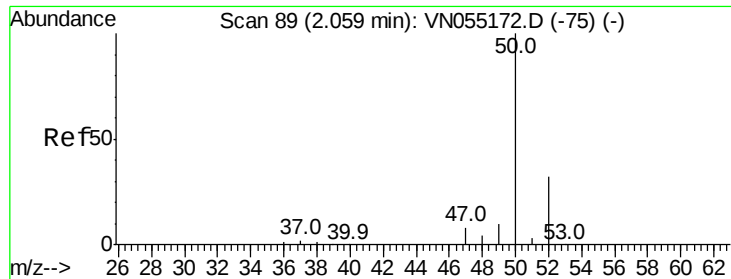
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Time-->





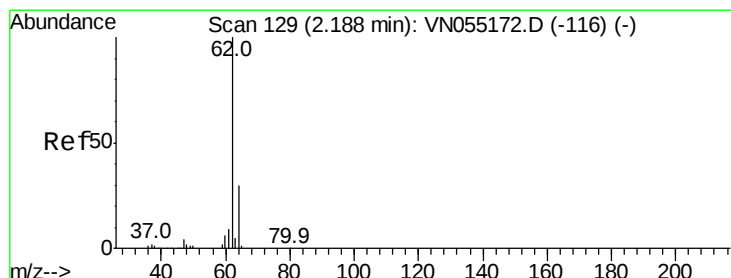
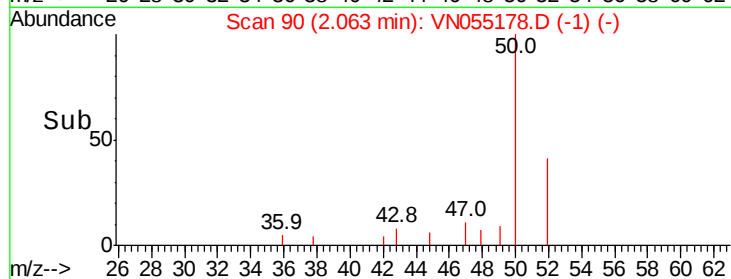
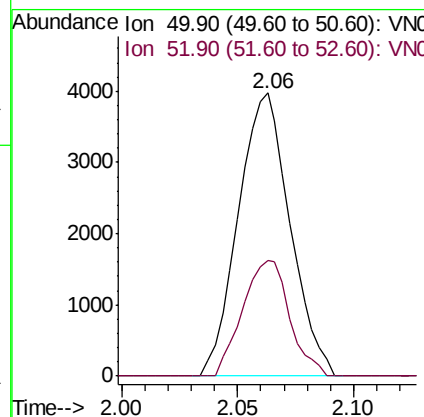
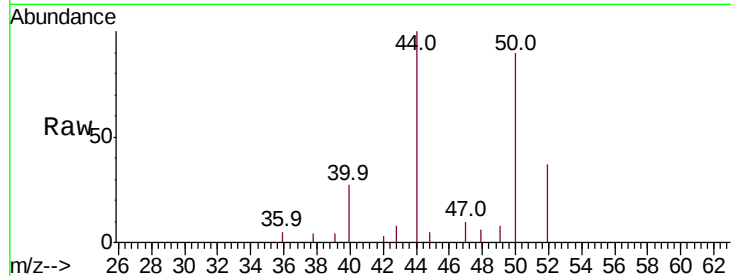
#3
Chloromethane
Concen: 0.970 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	41.1	25.8	38.6#

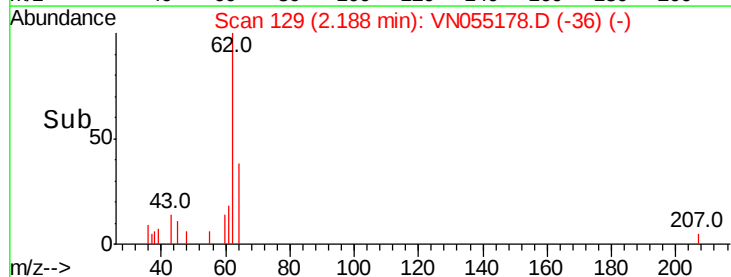
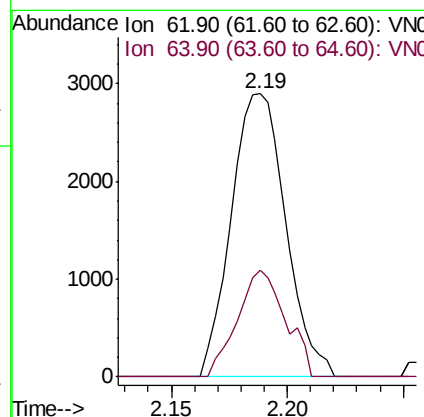
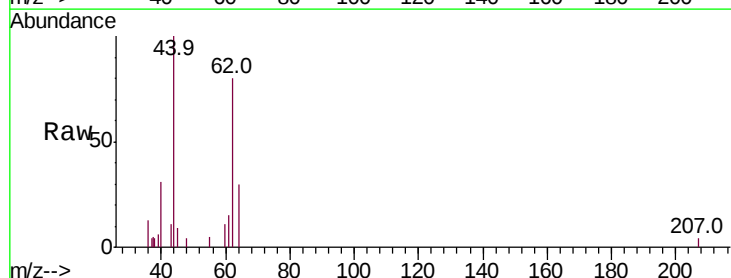
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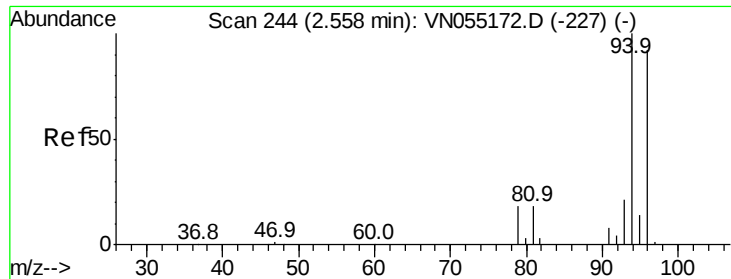
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#4
Vinyl Chloride
Concen: 0.931 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
62	100		
64	37.6	24.2	36.4#





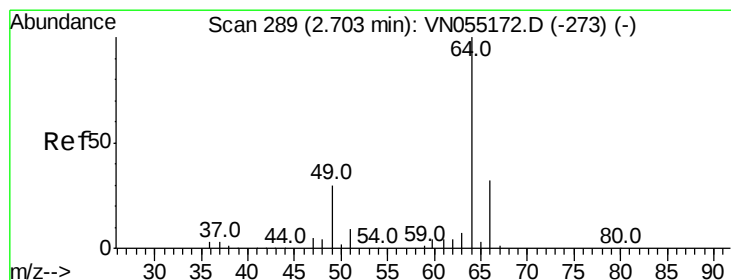
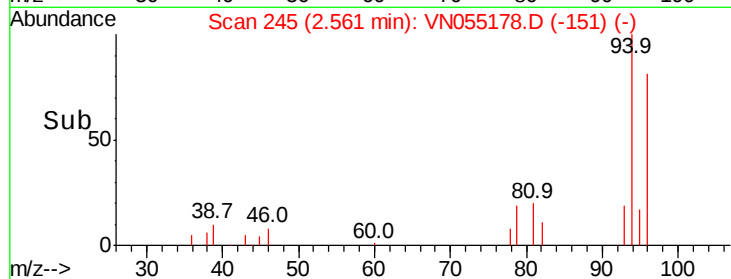
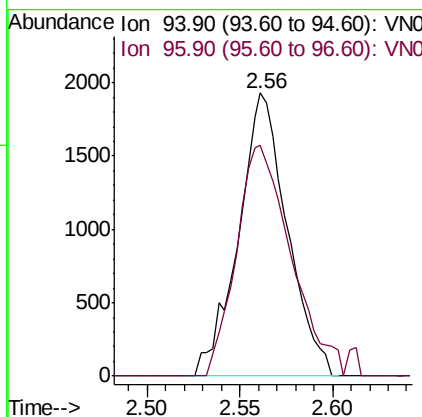
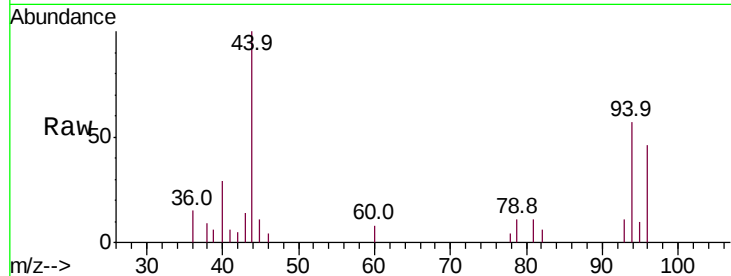
#5
Bromomethane
Concen: 1.192 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 94 Resp: 3517
Ion Ratio Lower Upper
94 100
96 81.4 73.4 110.2

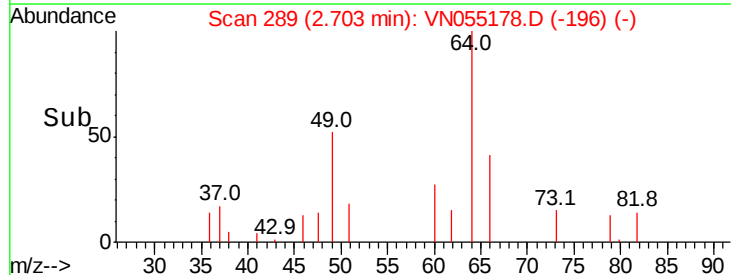
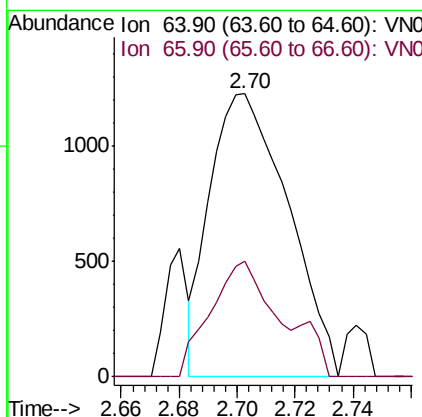
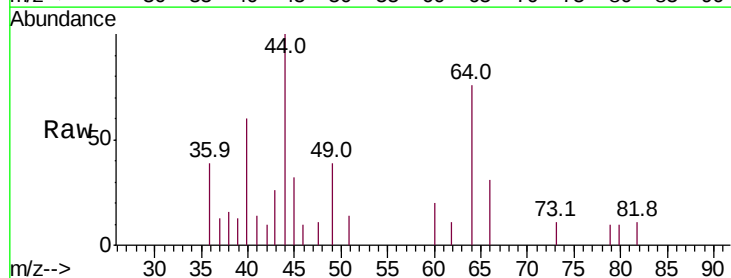
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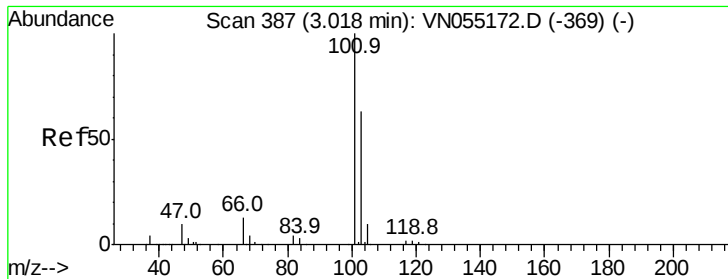
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#6
Chloroethane
Concen: 0.836 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 64 Resp: 2298
Ion Ratio Lower Upper
64 100
66 40.8 25.9 38.9#





#7

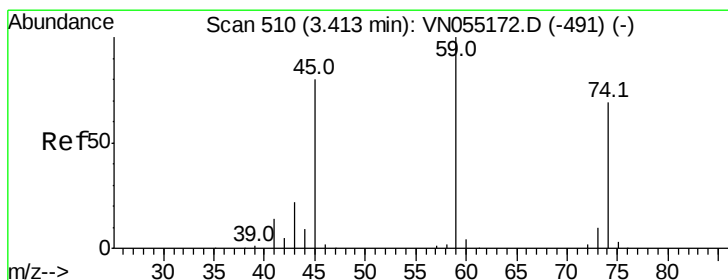
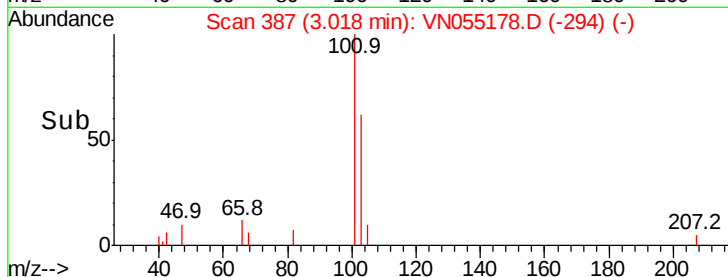
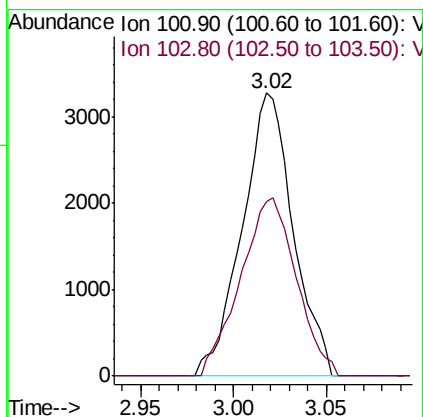
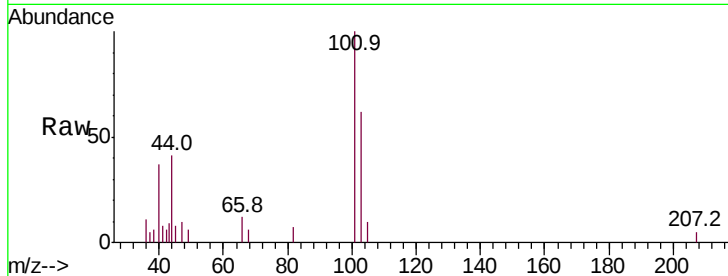
Trichlorofluoromethane
 Concen: 0.910 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
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 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	50.1	75.1

Manual Integrations
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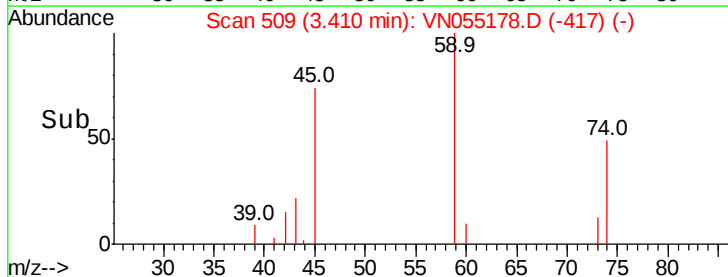
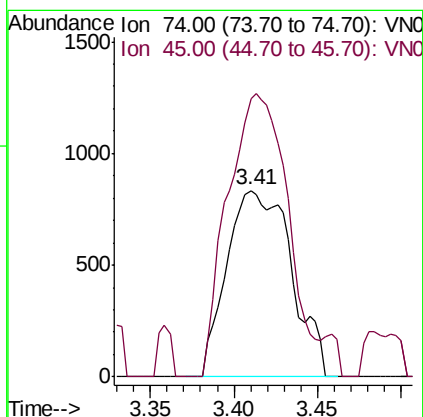
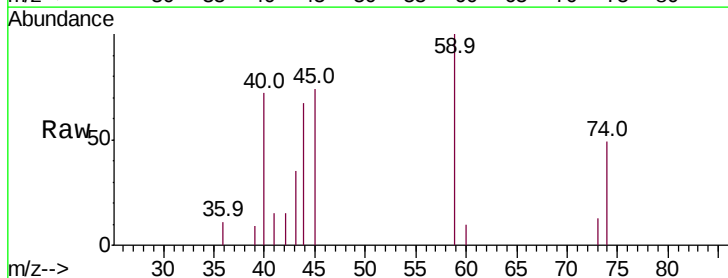
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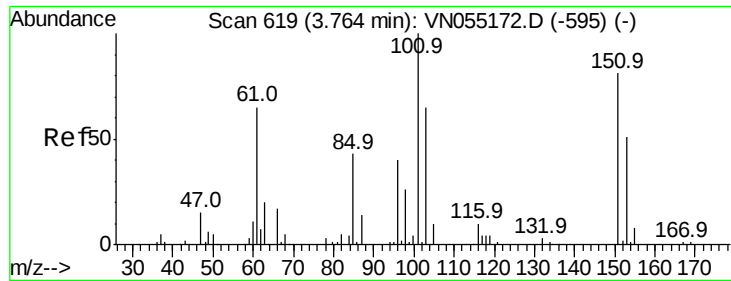


#8

Diethyl Ether
 Concen: 0.906 ug/l m
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.4	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.068 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

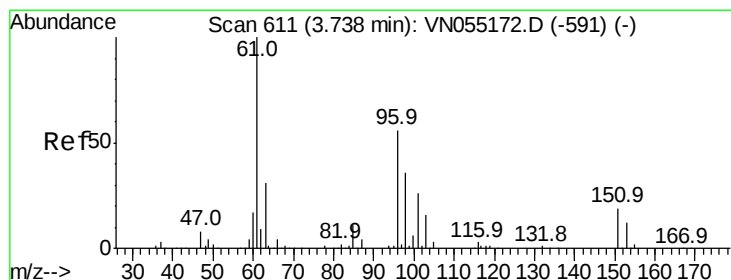
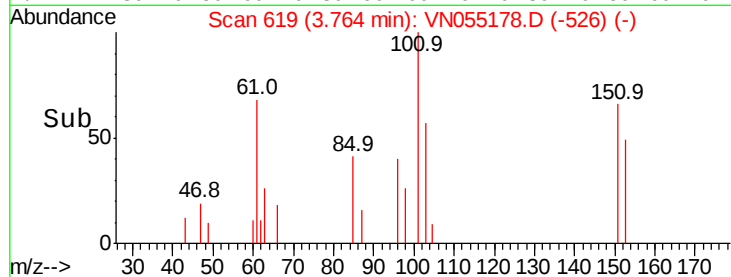
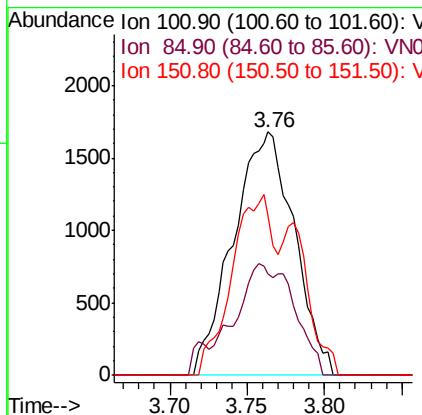
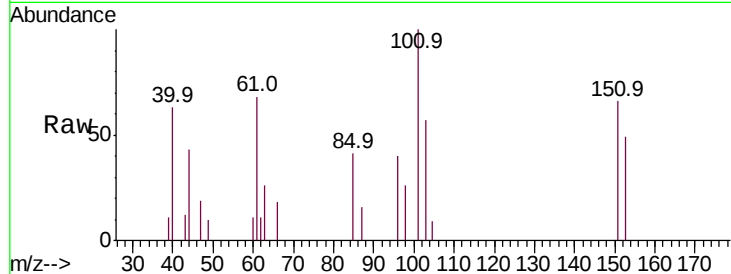
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	18.4	34.9	52.3#
151	51.6	63.8	95.8#

Manual Integrations
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4/23/2019 1:47:06 PM



#12

1,1-Dichloroethene

Concen: 0.988 ug/l

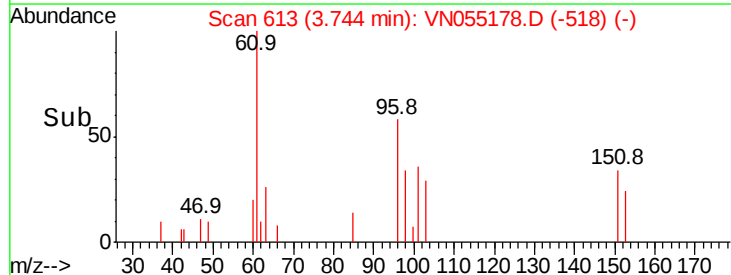
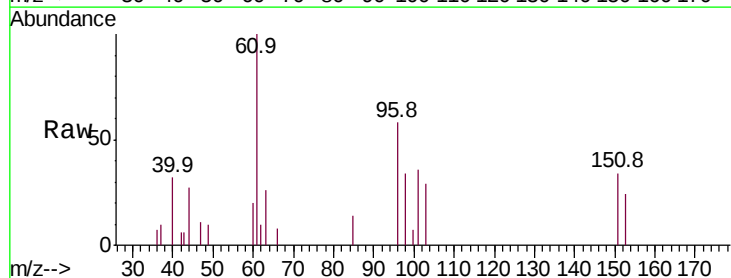
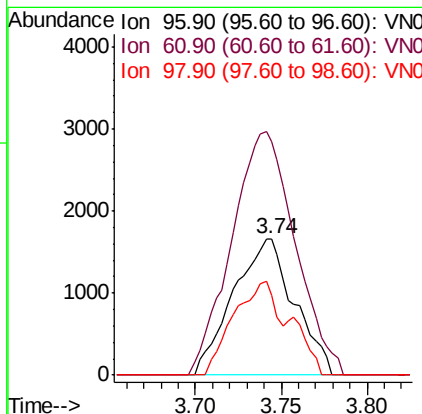
RT: 3.74 min Scan# 613

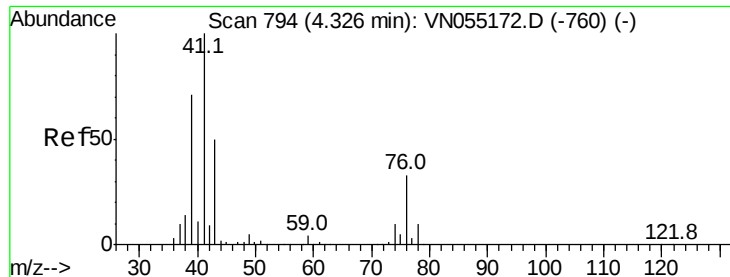
Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	142.1	213.1
98	58.2	51.2	76.8





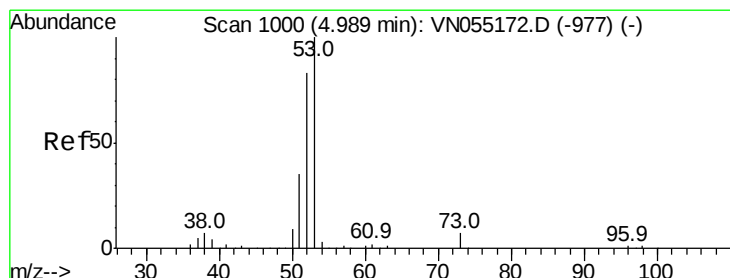
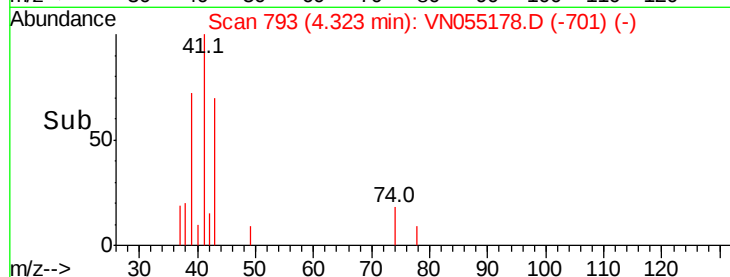
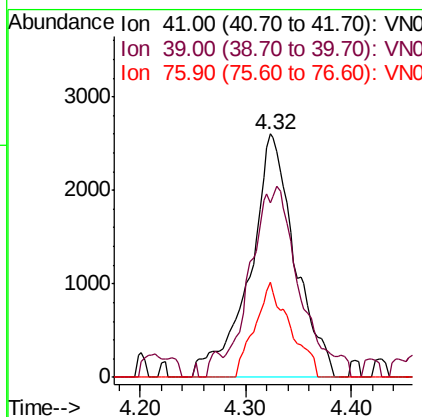
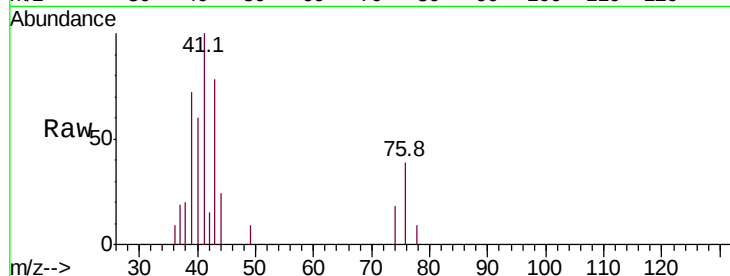
#14
 Allvl chloride
 Concen: 0.943 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	84.6	52.9	79.3#
76	30.7	23.6	35.4

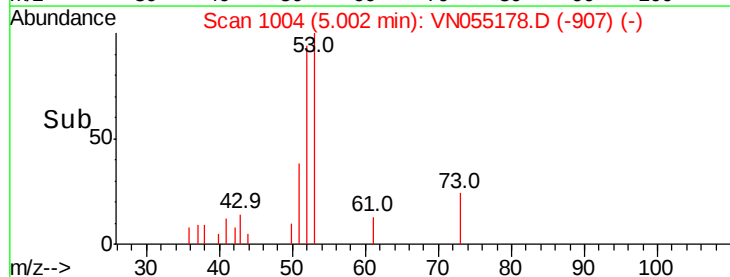
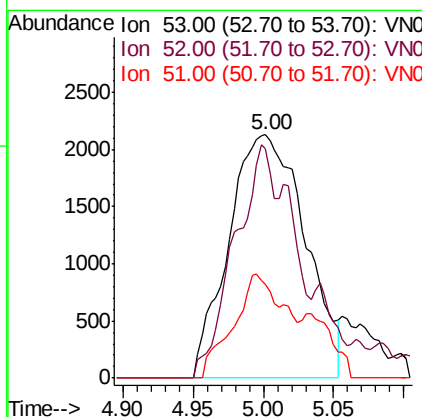
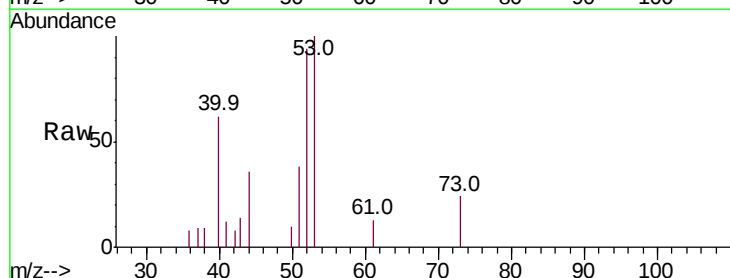
Manual Integrations
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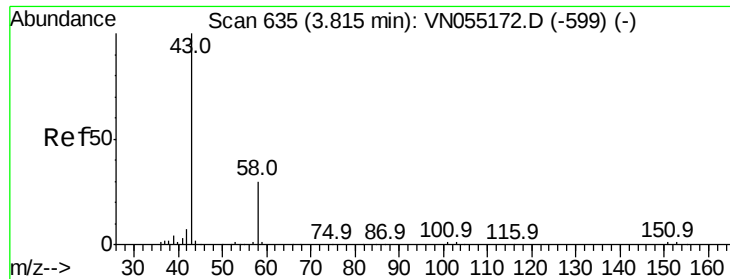
MMDadoda
 4/23/2019 1:47:06 PM



#15
 Acrylonitrile
 Concen: 4.609 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
53	100		
52	52.1	65.8	98.8#
51	28.6	28.9	43.3#





#16

Acetone

Concen: 5.050 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 9090

Ion Ratio Lower Upper

43 100

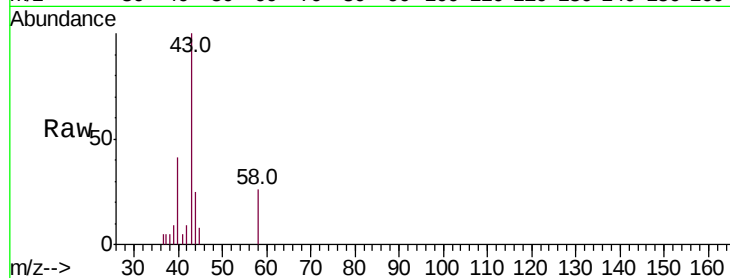
58 25.5 23.8 35.8

Manual Integrations

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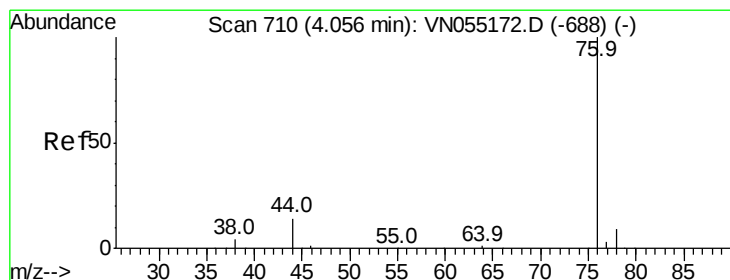
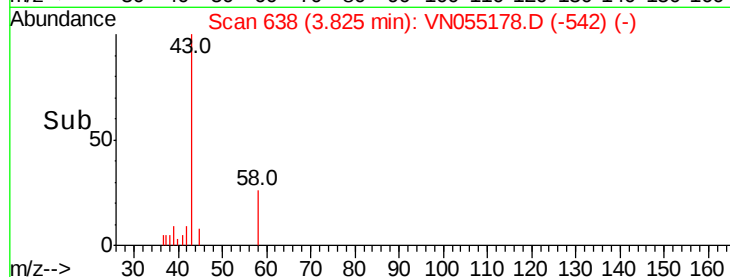
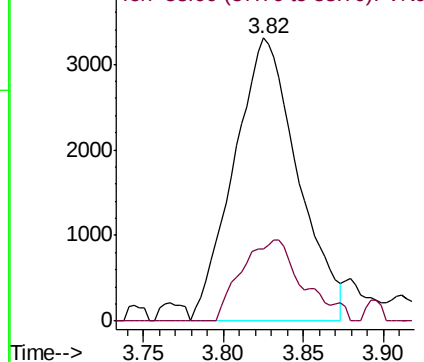
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.958 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055178.D

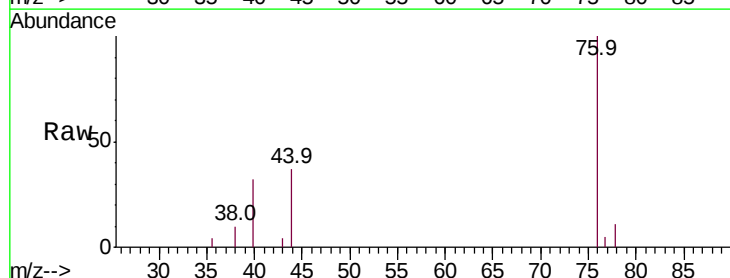
Acq: 22 Apr 2019 13:13

Tgt Ion: 76 Resp: 11090

Ion Ratio Lower Upper

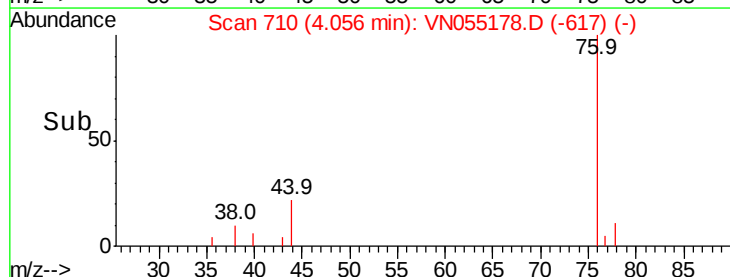
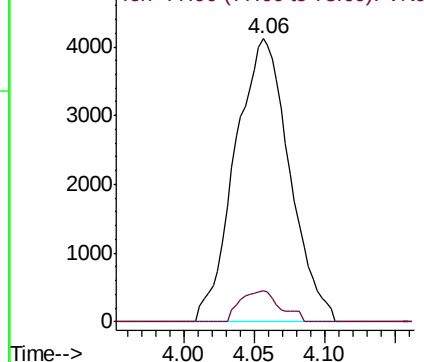
76 100

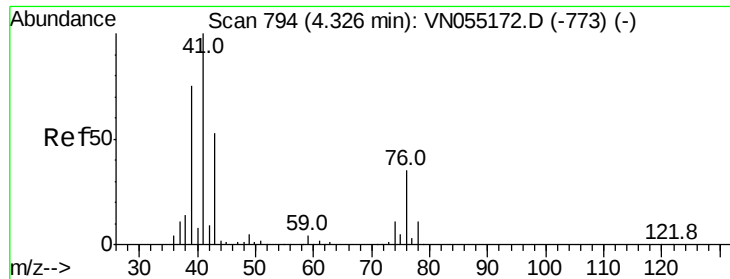
78 11.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





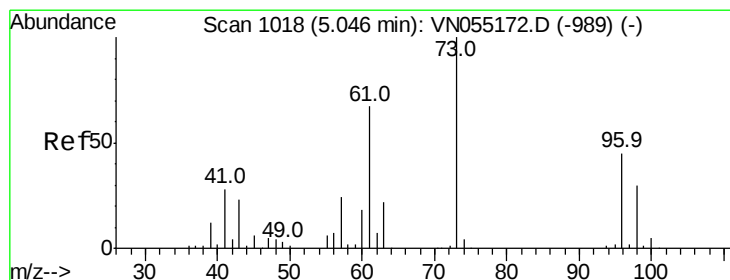
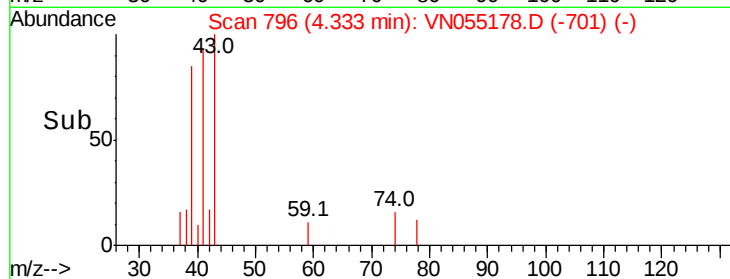
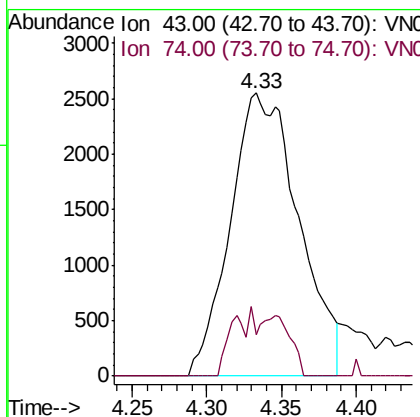
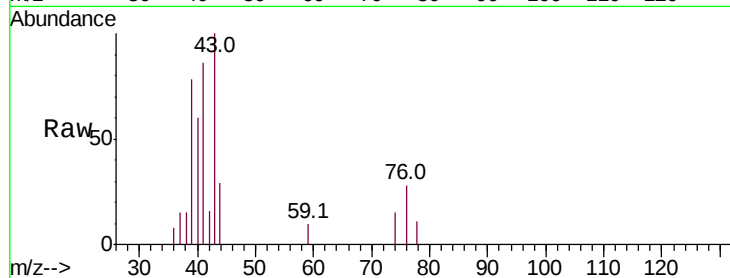
#18
Methyl Acetate
Concen: 1.641 ug/l m
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 8151
Ion Ratio Lower Upper
43 100
74 5.6 16.7 25.1#

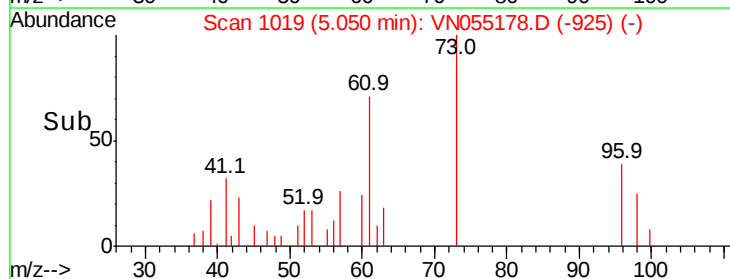
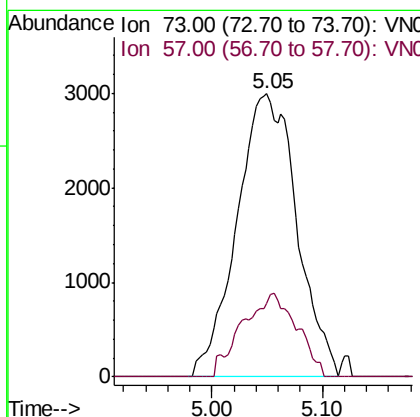
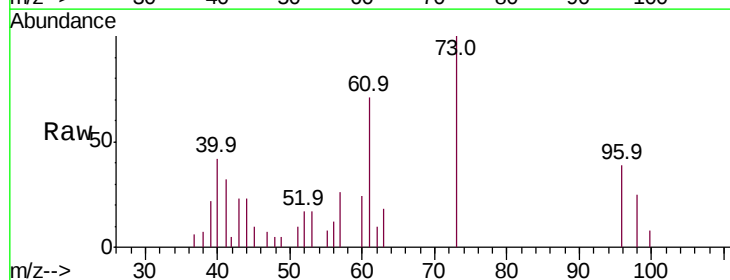
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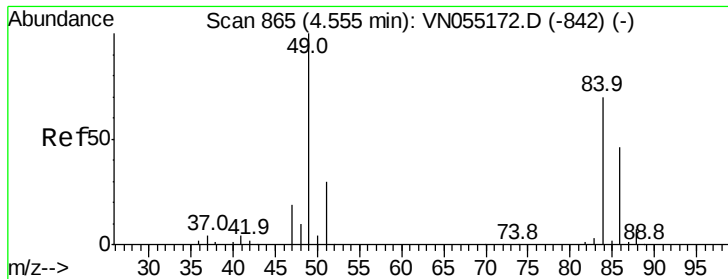
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.985 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 73 Resp: 11275
Ion Ratio Lower Upper
73 100
57 26.0 19.5 29.3





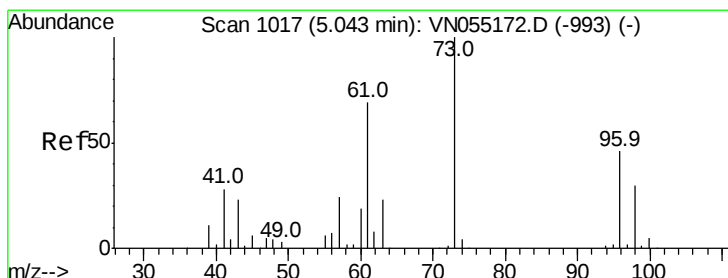
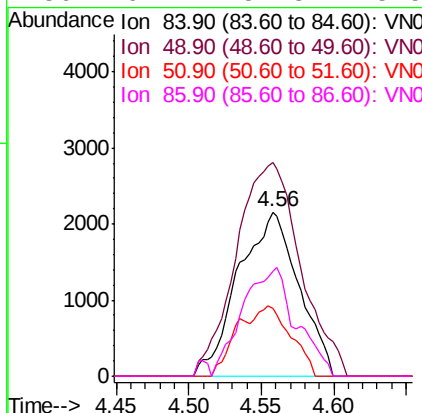
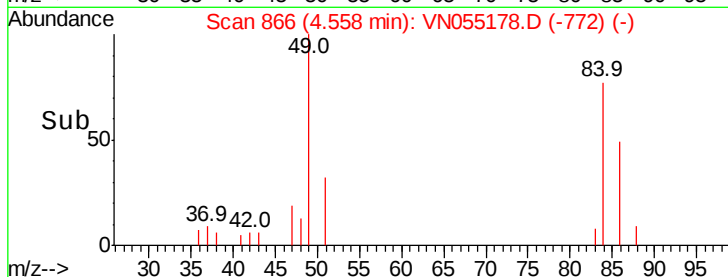
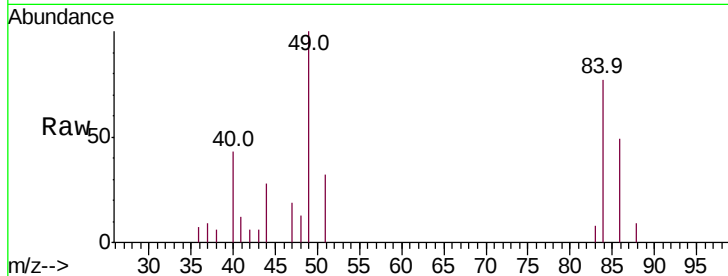
#20
Methylene Chloride
Concen: 1.204 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 84 Resp: 6229
Ion Ratio Lower Upper
84 100
49 130.1 113.8 170.6
51 41.4 34.0 51.0
86 64.1 52.3 78.5

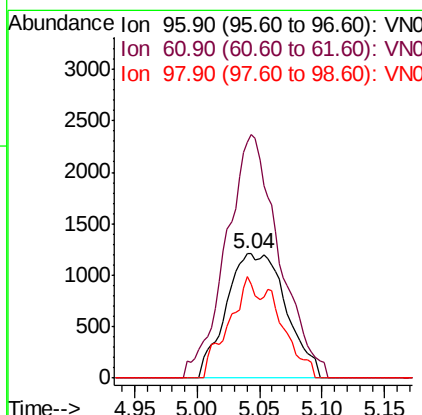
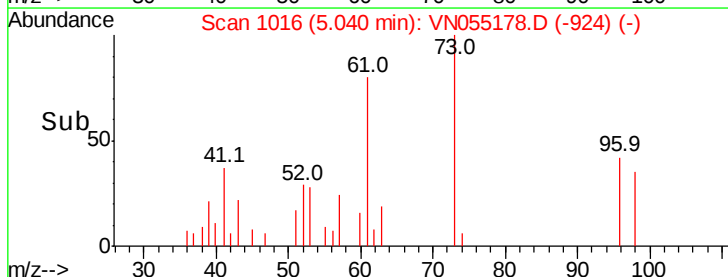
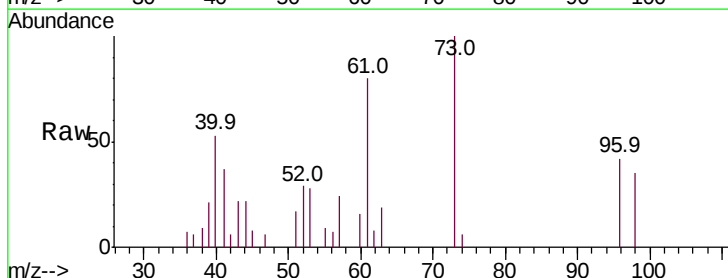
Manual Integrations
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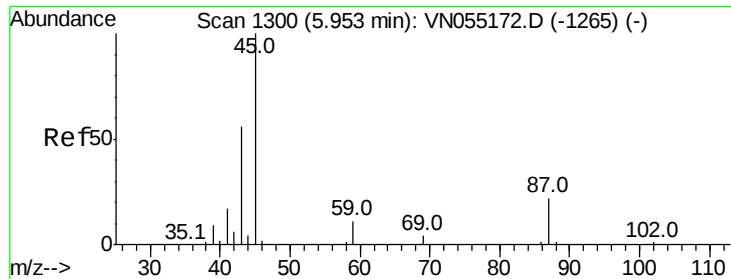
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.930 ug/l m
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 96 Resp: 4036
Ion Ratio Lower Upper
96 100
61 190.3 119.3 178.9#
98 82.1 53.0 79.4#





#22

Diisopropyl ether

Concen: 0.974 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 15886

Ion Ratio Lower Upper

45 100

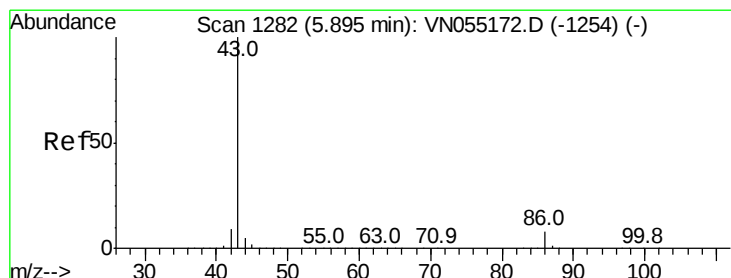
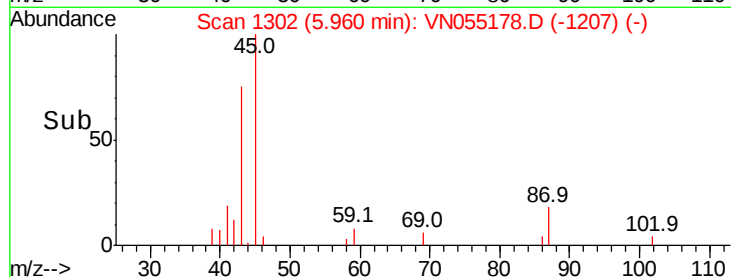
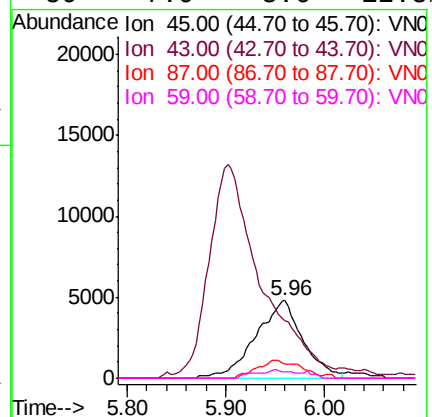
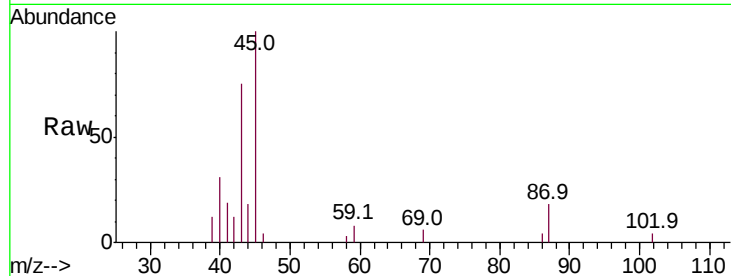
43 61.8 47.4 71.0

87 18.3 18.4 27.6#

59 7.9 8.6 12.8#

Manual Integrations
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MMDadoda
4/23/2019 1:47:06 PM



#23

Vinyl Acetate

Concen: 4.270 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055178.D

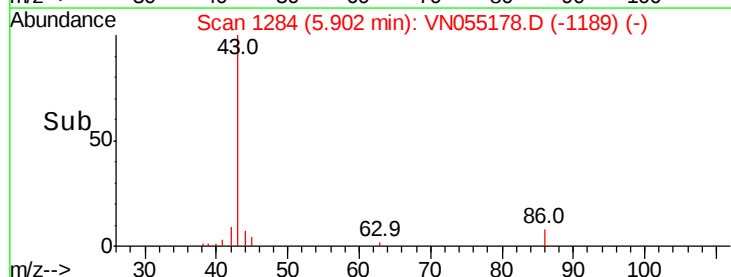
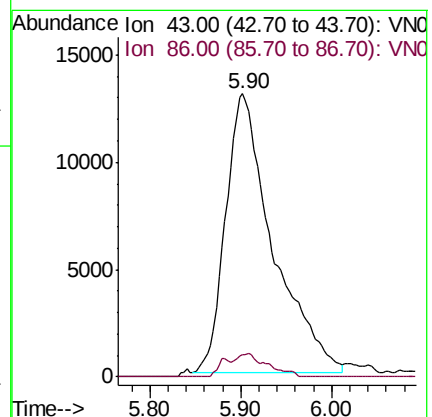
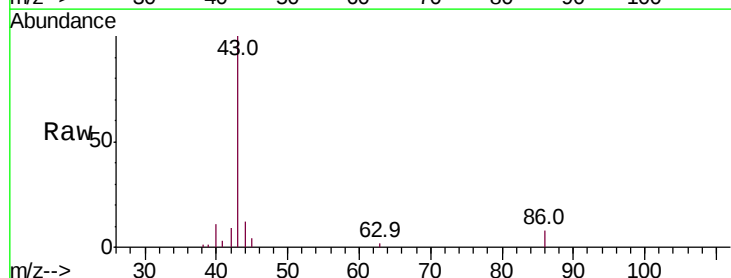
Acq: 22 Apr 2019 13:13

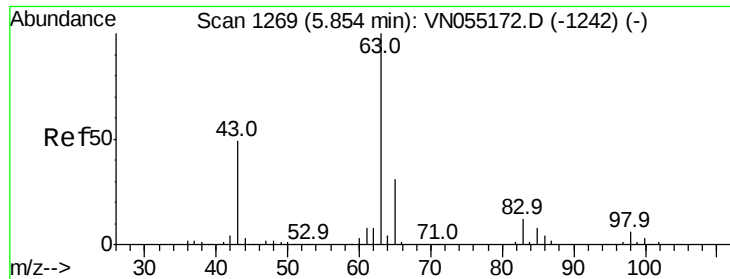
Tgt Ion: 43 Resp: 46802

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2





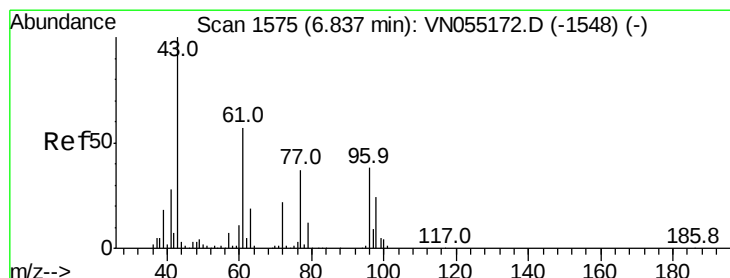
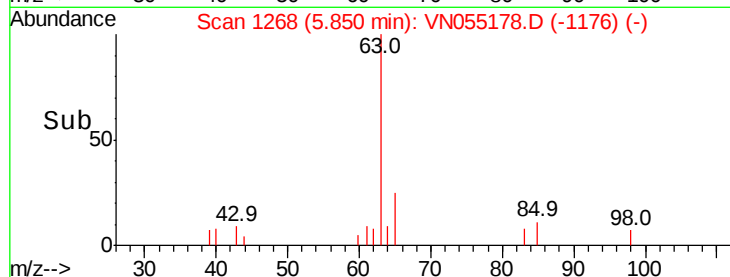
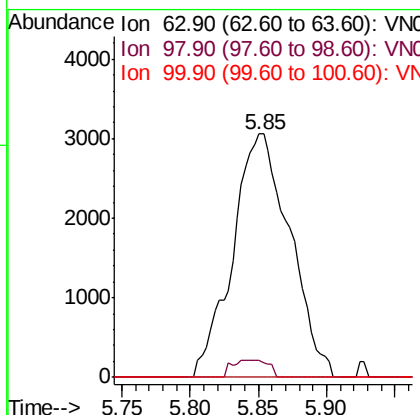
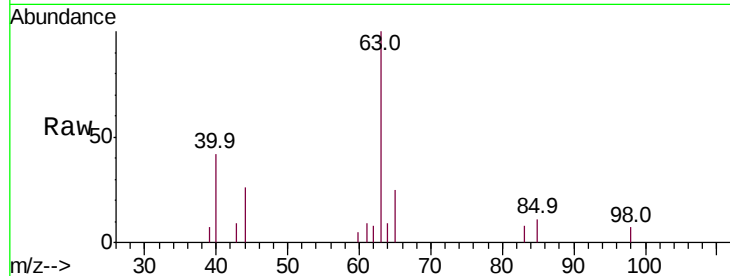
#24
 1,1-Dichloroethane
 Concen: 1.016 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.1	9.3
100	0.0	1.8	5.3

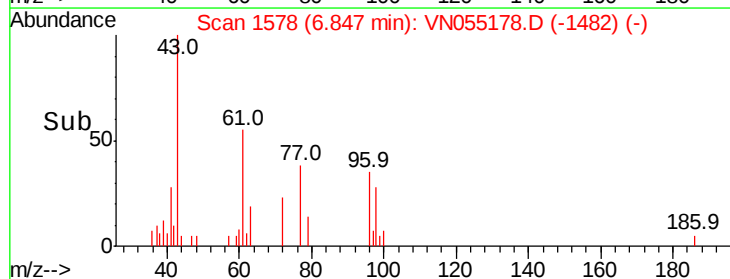
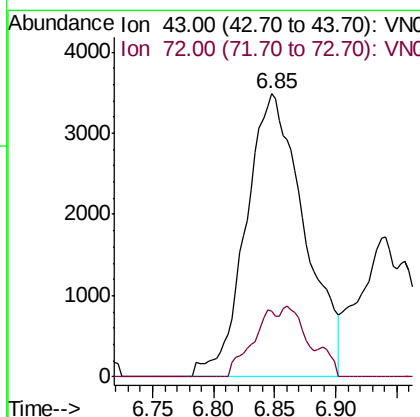
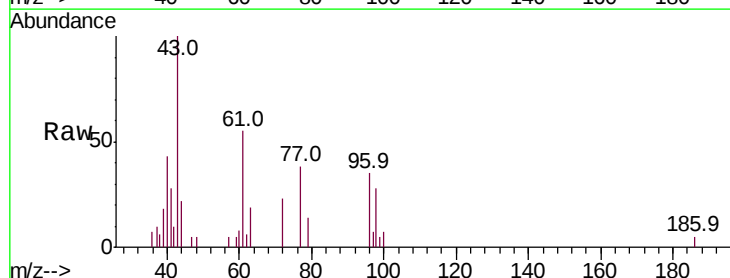
Manual Integrations
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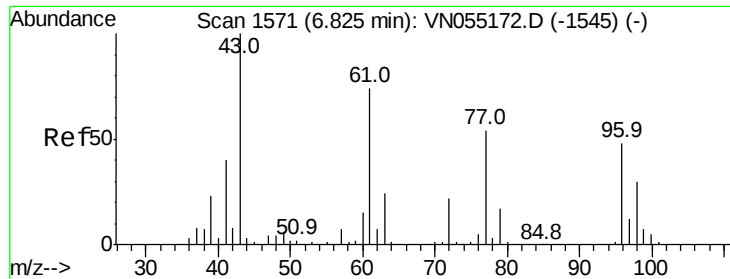
MMDadoda
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#25
 2-Butanone
 Concen: 4.970 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.8





#26

2,2-Dichloropropane

Concen: 1.059 ug/l m

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 6289

Ion Ratio Lower Upper

77 100

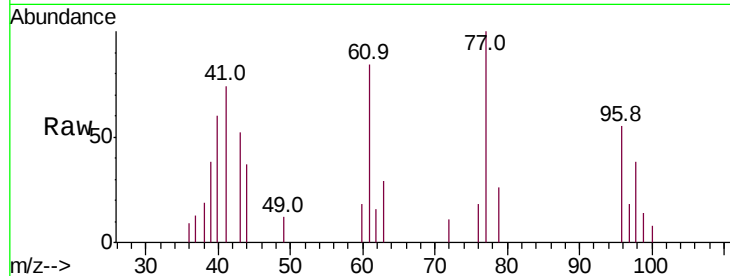
97 9.9 11.3 33.8#

Manual Integrations

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Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

2500

2000

1500

1000

500

0

6.75 6.80 6.85 6.90

6.82

6.84

6.86

6.88

6.90

6.92

6.94

6.96

6.98

7.00

7.02

7.04

7.06

7.08

7.10

7.12

7.14

7.16

7.18

7.20

7.22

7.24

7.26

7.28

7.30

7.32

7.34

7.36

7.38

7.40

7.42

7.44

7.46

7.48

7.50

7.52

7.54

7.56

7.58

7.60

7.62

7.64

7.66

7.68

7.70

7.72

7.74

7.76

7.78

7.80

7.82

7.84

7.86

7.88

7.90

7.92

7.94

7.96

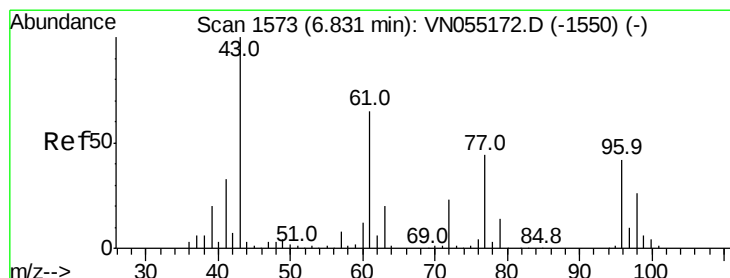
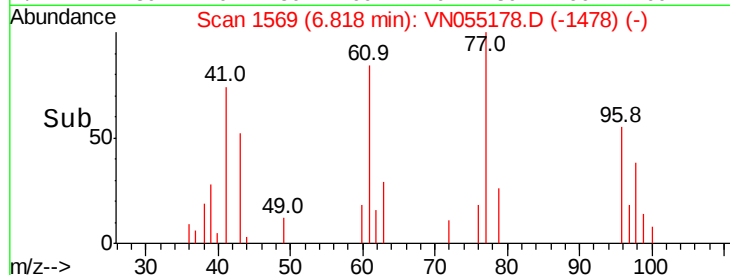
7.98

8.00

8.02

8.04

8.06



#27

cis-1,2-Dichloroethene

Concen: 1.006 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

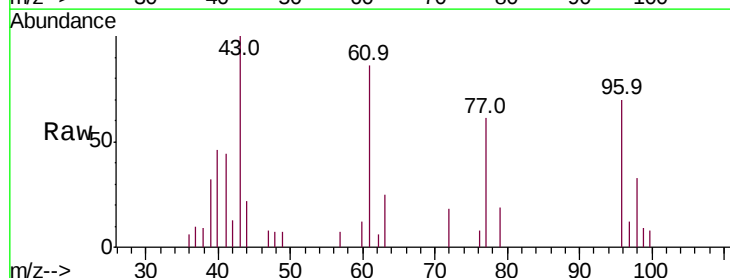
Tgt Ion: 96 Resp: 5031

Ion Ratio Lower Upper

96 100

61 152.5 0.0 310.8

98 63.7 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3000

2000

1000

0

6.75 6.80 6.85 6.90

6.84

6.86

6.88

6.90

6.92

6.94

6.96

6.98

7.00

7.02

7.04

7.06

7.08

7.10

7.12

7.14

7.16

7.18

7.20

7.22

7.24

7.26

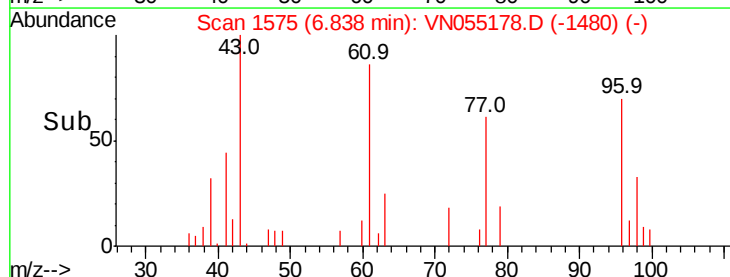
7.28

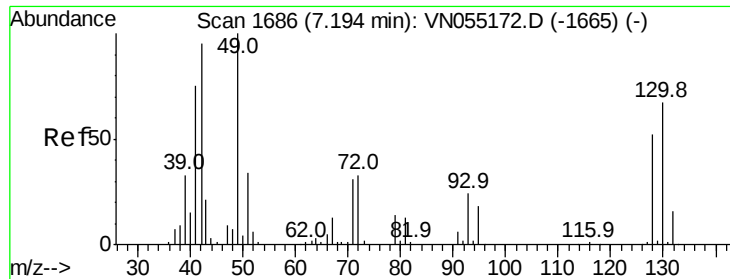
7.30

7.32

7.34

7.36





#28

Bromochloromethane

Concen: 1.055 ug/l m

RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 4718

Ion Ratio Lower Upper

49 100

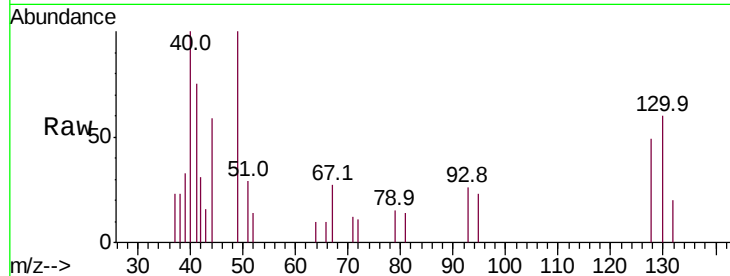
129 0.0 0.0 3.8

130 68.0 53.4 80.2

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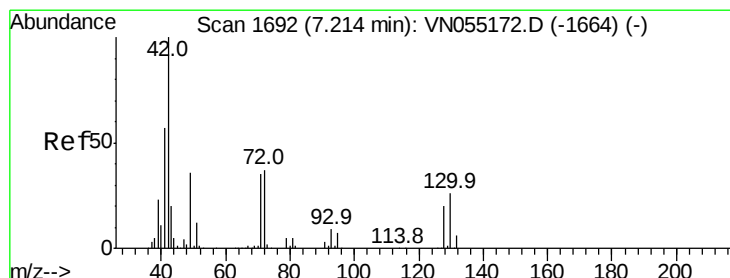
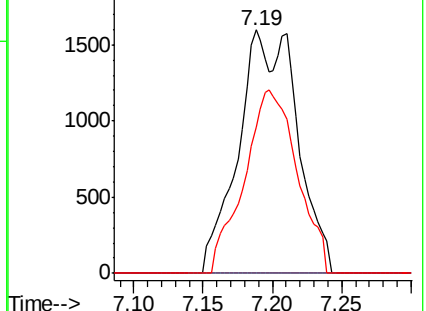
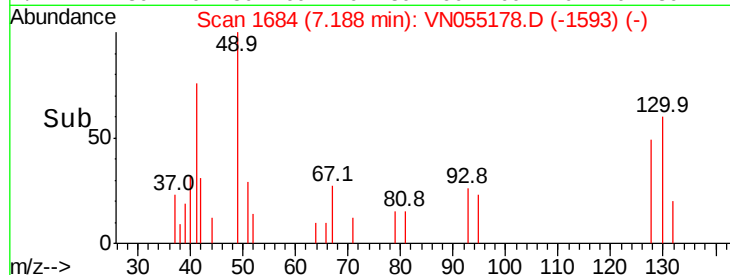
4/23/2019 1:47:06 PM



Abundance Ion 48.90 (48.60 to 49.60): VN055178.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN055178.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN055178.D (-1593) (-)



#29

Tetrahydrofuran

Concen: 4.901 ug/l m

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

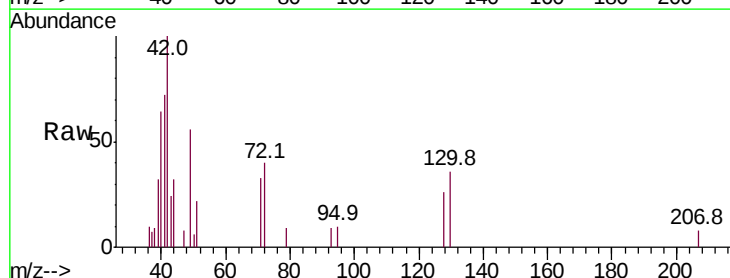
Tgt Ion: 42 Resp: 7158

Ion Ratio Lower Upper

42 100

72 16.0 29.4 44.2#

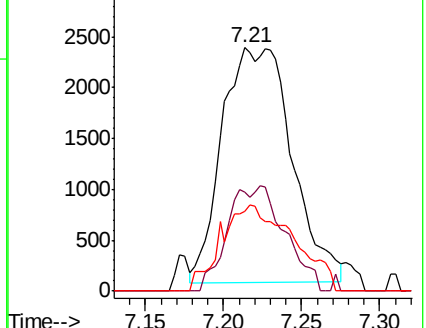
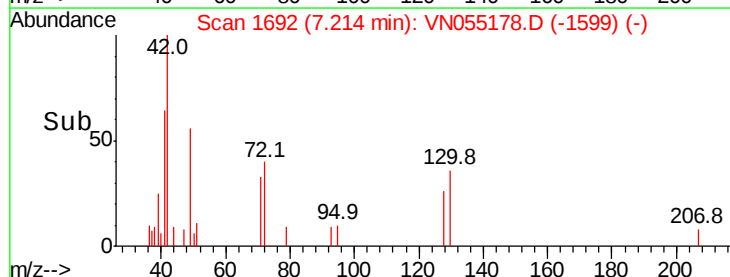
71 38.3 27.8 41.8

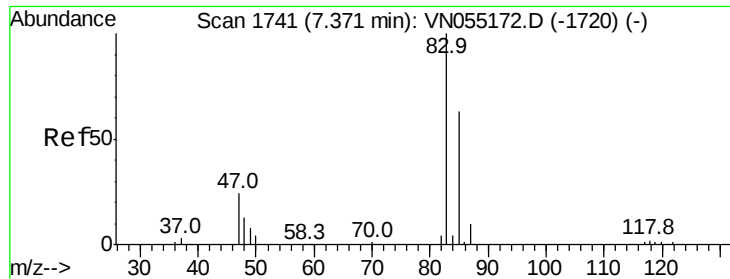


Abundance Ion 42.00 (41.70 to 42.70): VN055178.D (-1599) (-)

Ion 72.00 (71.70 to 72.70): VN055178.D (-1599) (-)

Ion 71.00 (70.70 to 71.70): VN055178.D (-1599) (-)





#30

Chloroform

Concen: 1.022 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 8527

Ion Ratio Lower Upper

83 100

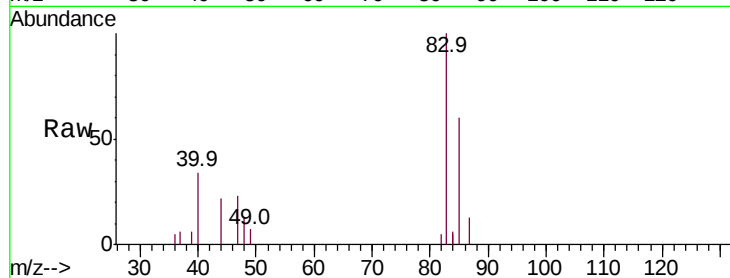
85 60.3 50.6 76.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

7.38

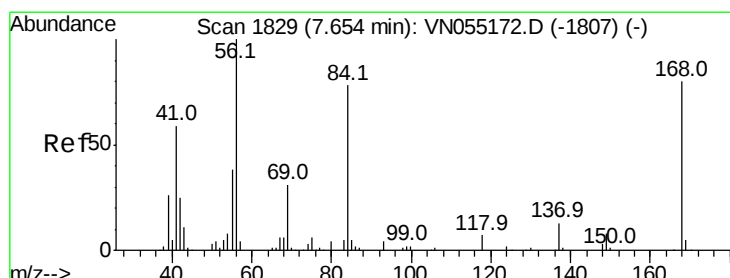
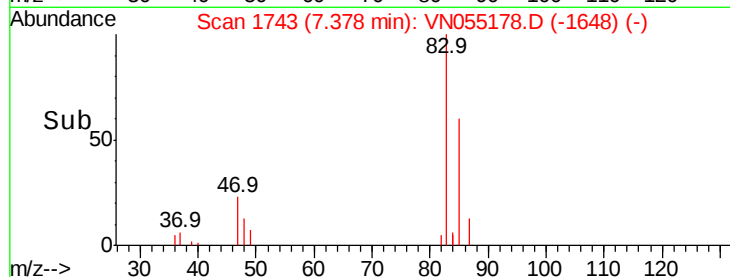
3000

2000

1000

0

Time-->



#31

Cyclohexane

Concen: 1.655 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

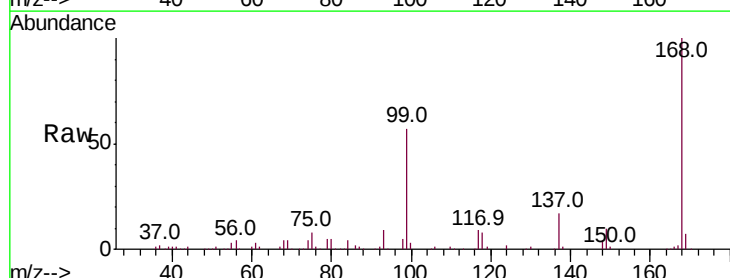
Tgt Ion: 56 Resp: 16670

Ion Ratio Lower Upper

56 100

69 97.6 24.6 37.0#

84 103.3 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.66

8000

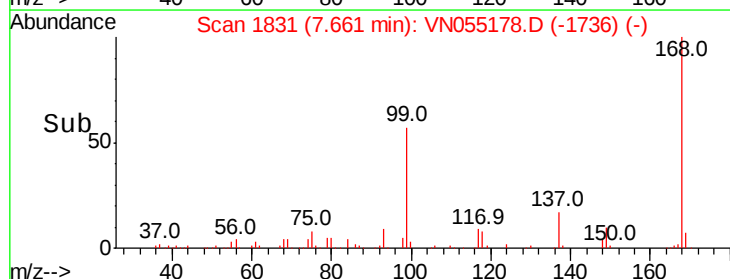
6000

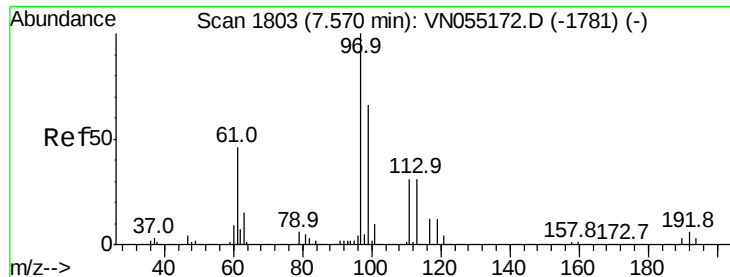
4000

2000

0

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.968 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 6487

Ion Ratio Lower Upper

97 100

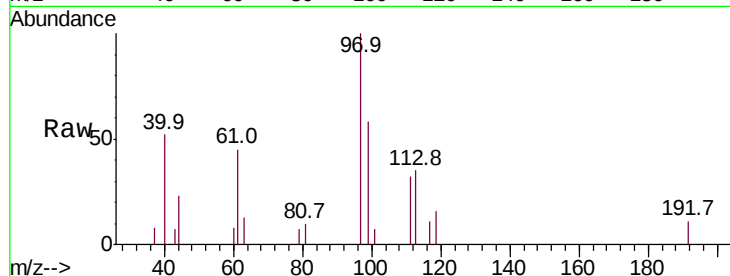
99 0.0 51.1 76.7#

61 47.8 38.3 57.5

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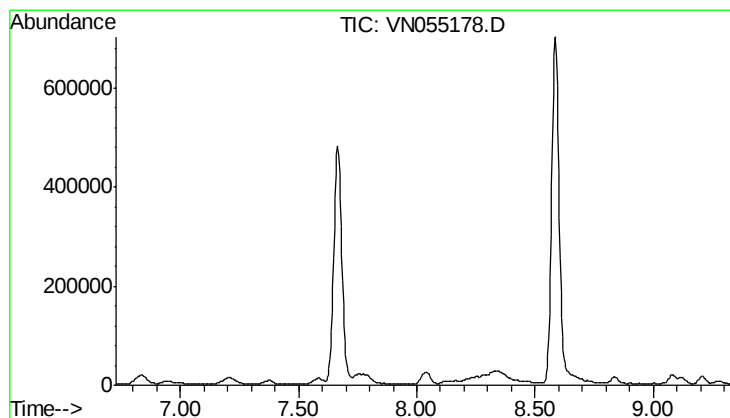
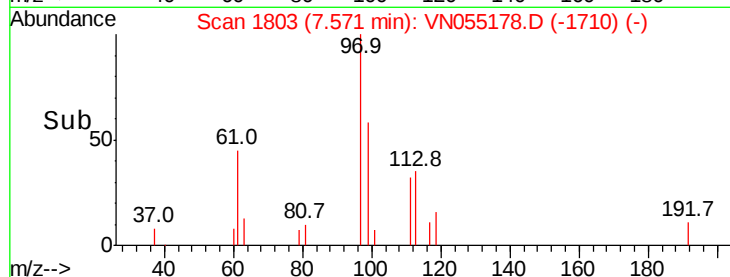
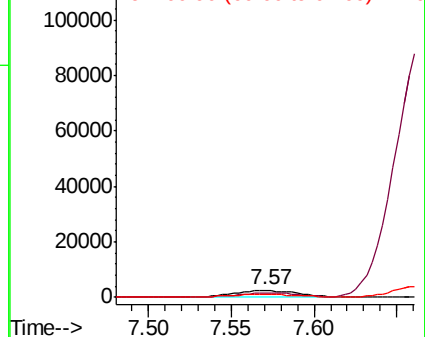


Abundance

Ion 96.90 (96.60 to 97.60): VN055178.D

Ion 98.90 (98.60 to 99.60): VN055178.D

Ion 60.90 (60.60 to 61.60): VN055178.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN055178.D

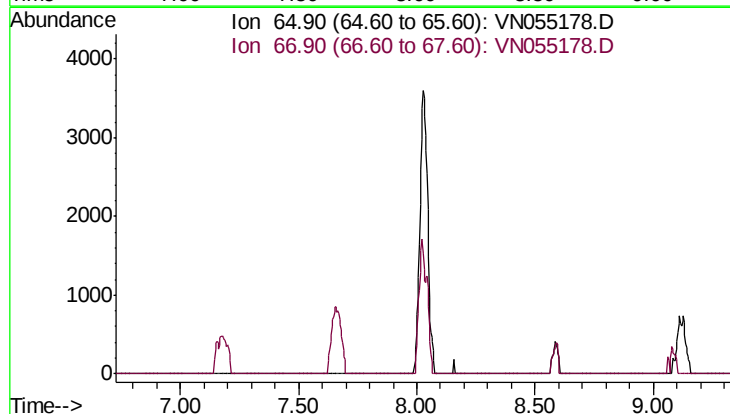
Acq: 22 Apr 2019 13:13

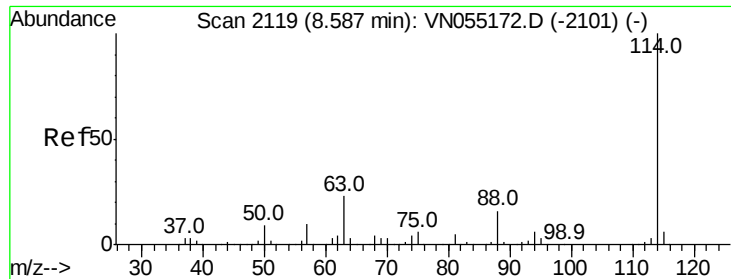
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.3





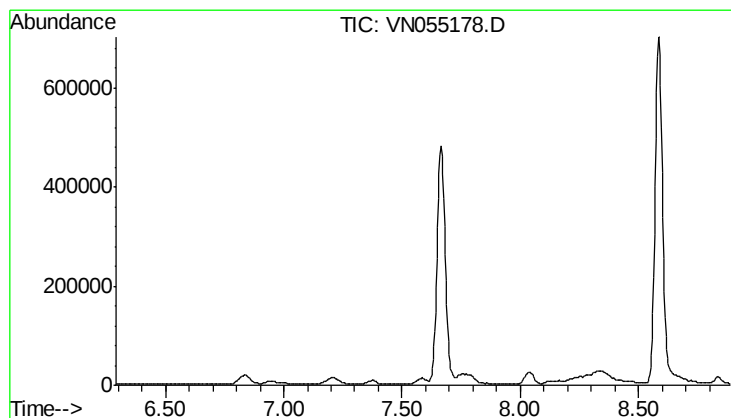
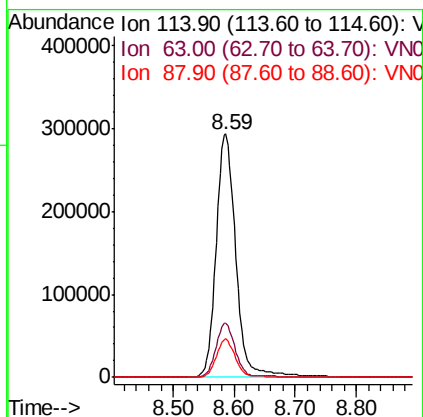
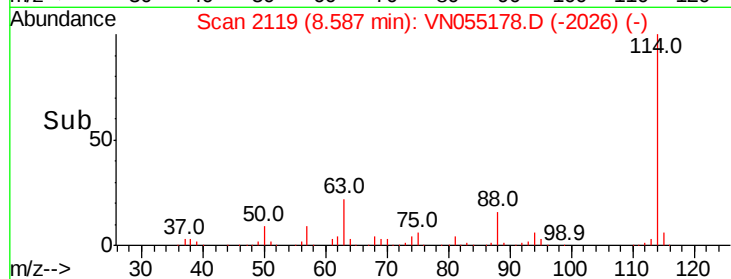
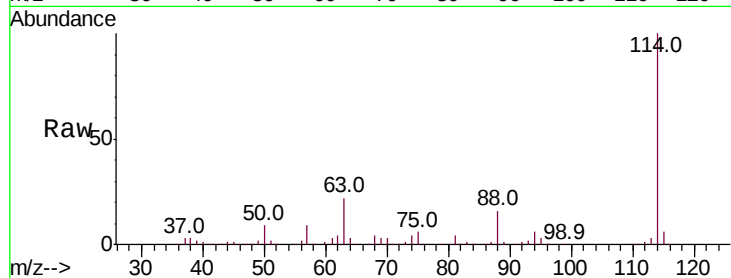
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.3	0.0	45.2
88	15.8	0.0	32.8

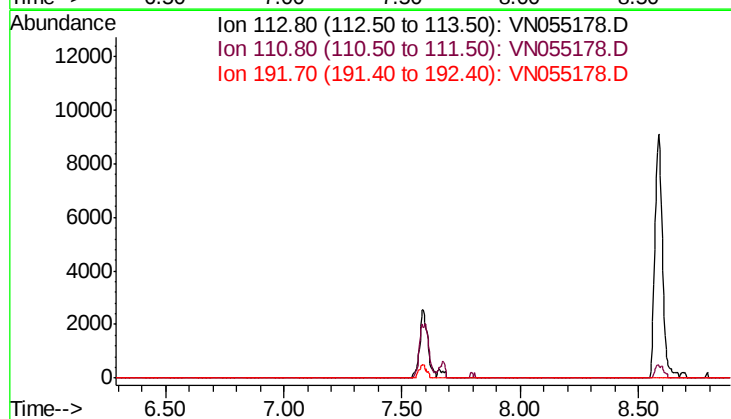
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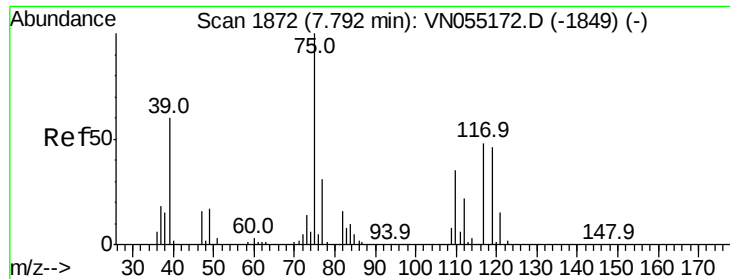
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Sig	Exp Ratio
113	100	
111	101.2	
192	20.3	





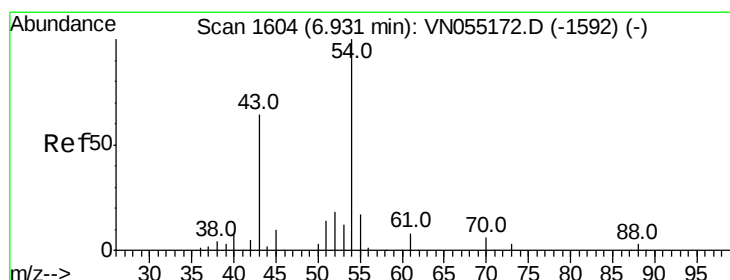
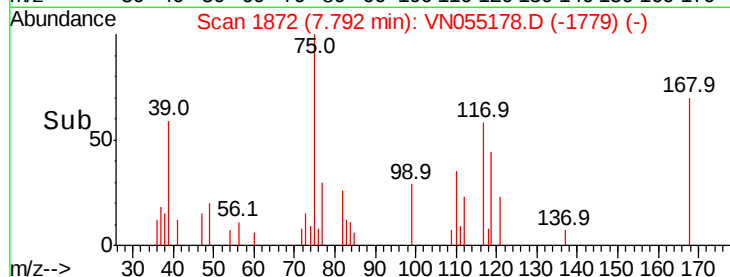
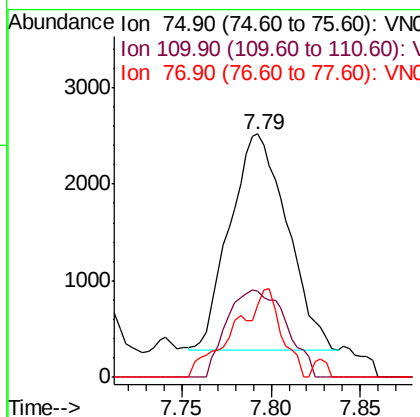
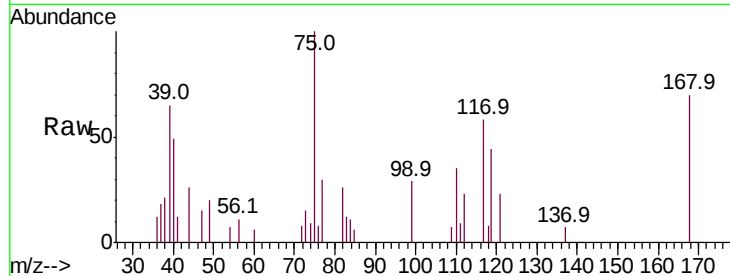
#36
 1,1-Dichloropropene
 Concen: 0.820 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	41.6	17.1	51.2
77	33.8	24.6	36.8

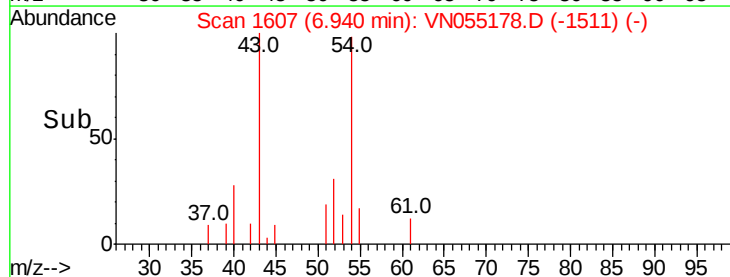
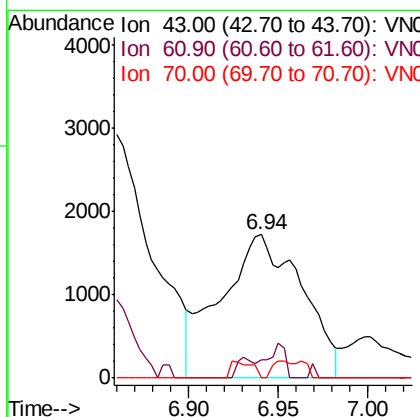
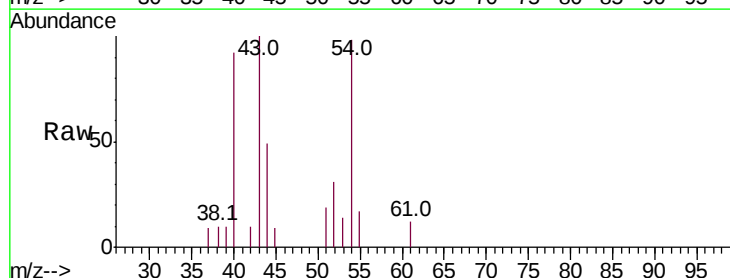
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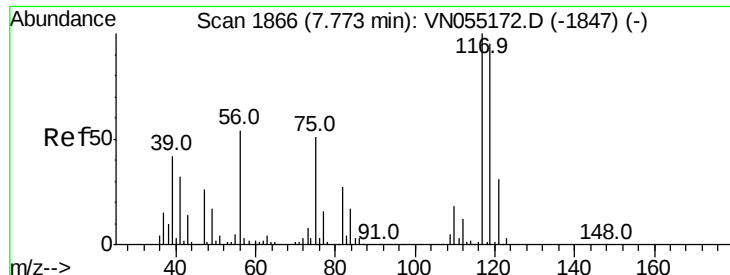
MMDadoda
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#37
 Ethyl Acetate
 Concen: 1.062 ug/l m
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.01 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.1	9.7	14.5#
70	4.6	6.9	10.3#





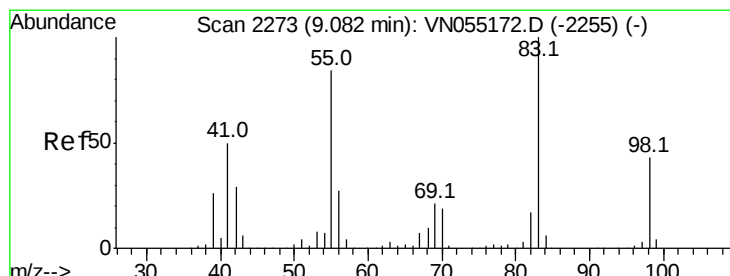
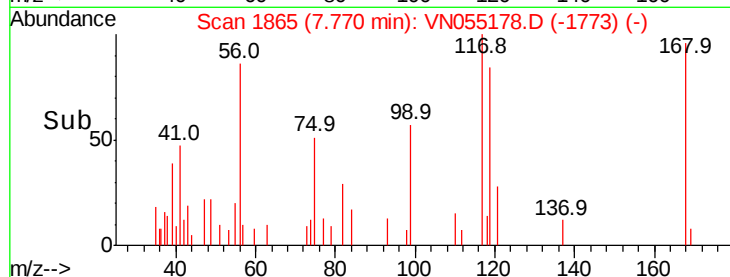
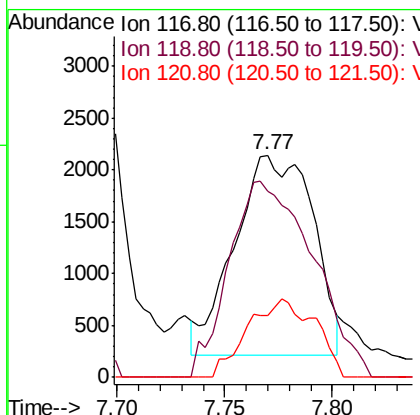
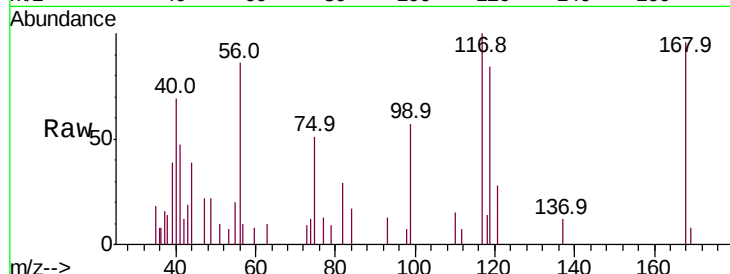
#38
Carbon Tetrachloride
Concen: 0.793 ug/l m
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	84.0	76.0	114.0
121	27.9	24.6	36.8

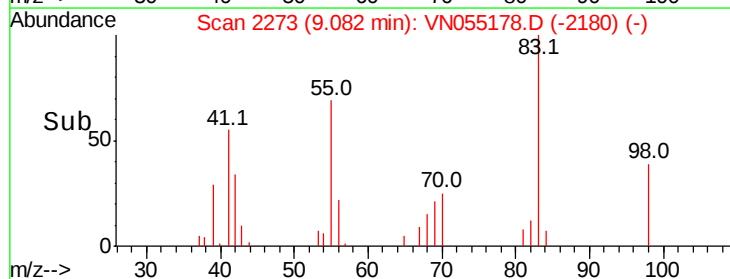
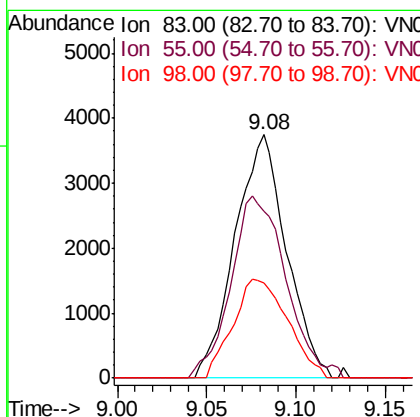
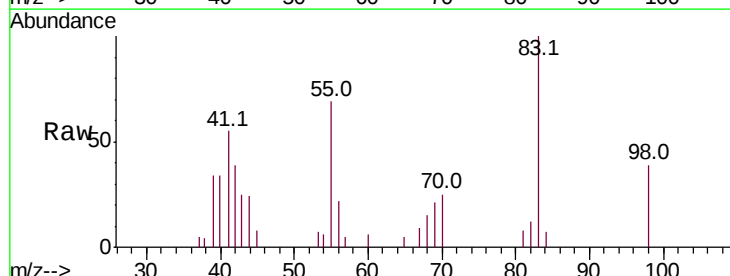
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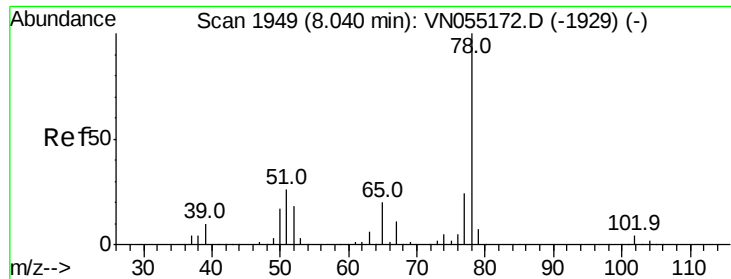
MMDadoda
4/23/2019 1:47:06 PM



#39
Methylcyclohexane
Concen: 1.027 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.6	67.4	101.0
98	39.0	34.7	52.1





#40

Benzene

Concen: 0.942 ug/l

RT: 8.05 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 17836

Ion Ratio Lower Upper

78 100

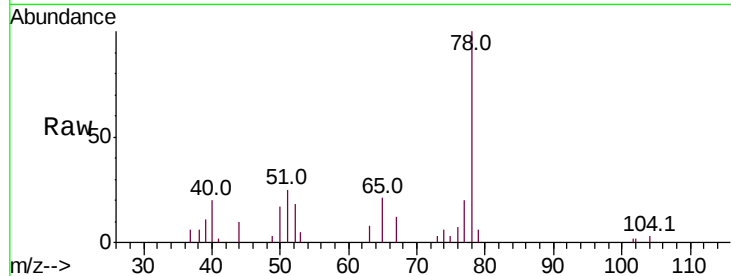
77 20.4 19.5 29.3

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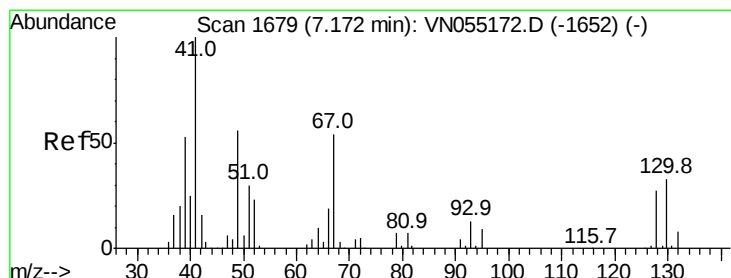
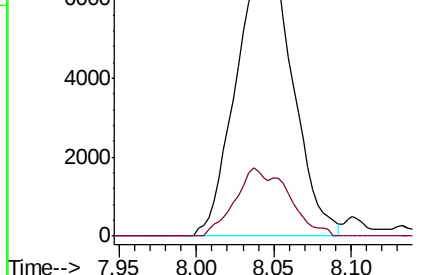
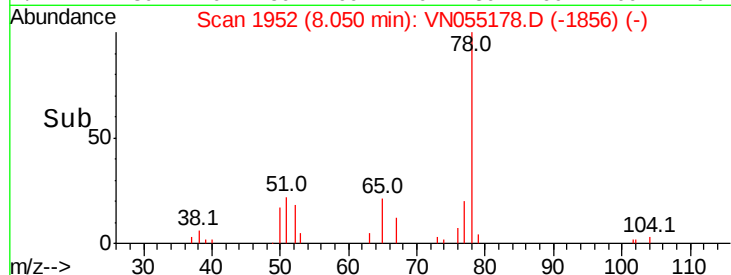


Abundance Ion 78.00 (77.70 to 78.70): VN055178.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055178.D (-1929) (-)

8.05

Time-->



#41

Methacrylonitrile

Concen: 1.146 ug/l m

RT: 7.19 min Scan# 1684

Delta R.T. 0.02 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion: 41 Resp: 2896

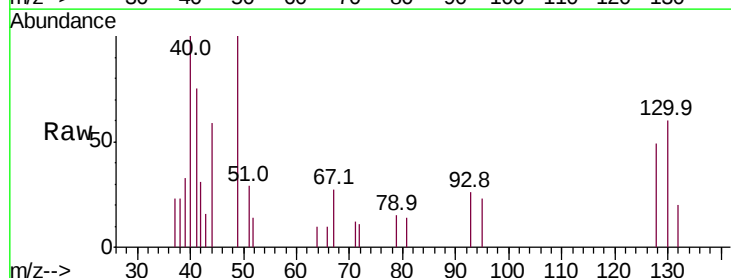
Ion Ratio Lower Upper

41 100

39 36.3 45.4 68.0#

67 38.4 54.6 81.8#

52 0.0 22.8 34.2#



Abundance Ion 41.00 (40.70 to 41.70): VN055178.D (-1652) (-)

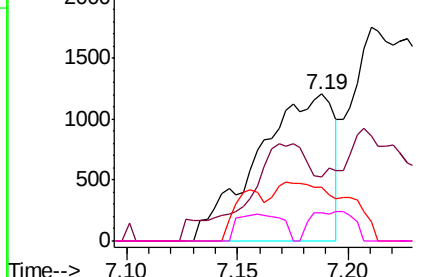
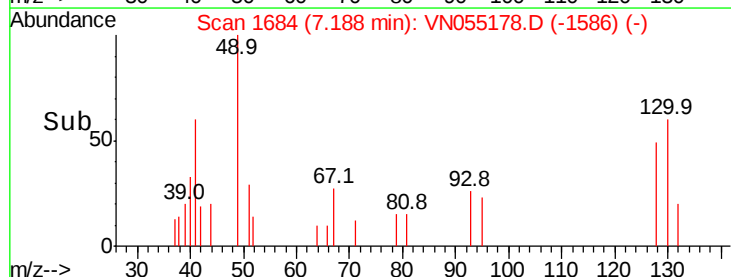
Ion 39.00 (38.70 to 39.70): VN055178.D (-1652) (-)

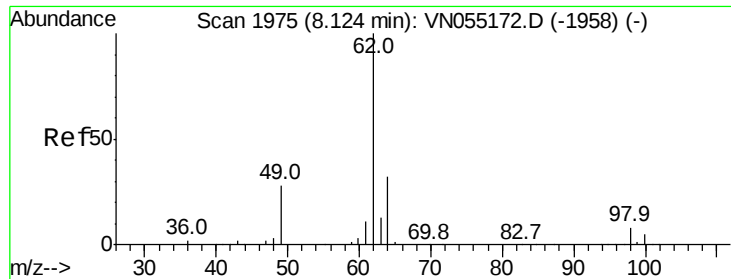
Ion 67.00 (66.70 to 67.70): VN055178.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN055178.D (-1652) (-)

7.19

Time-->





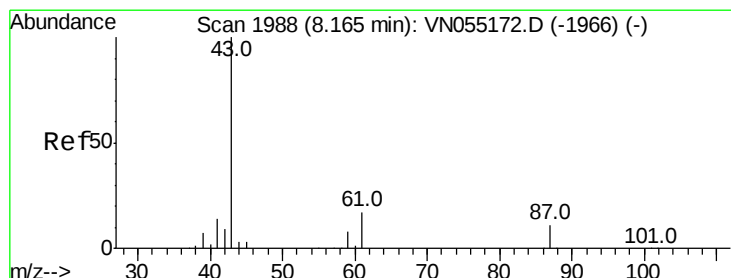
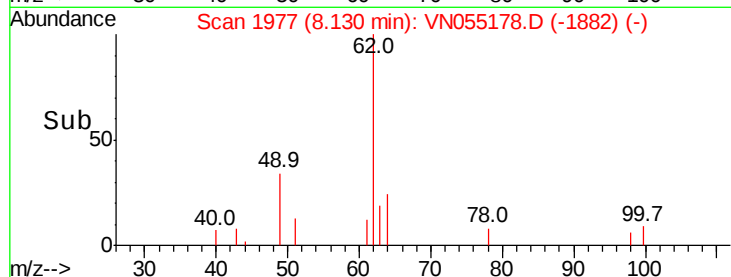
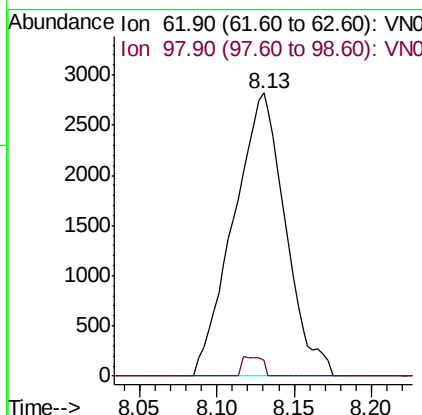
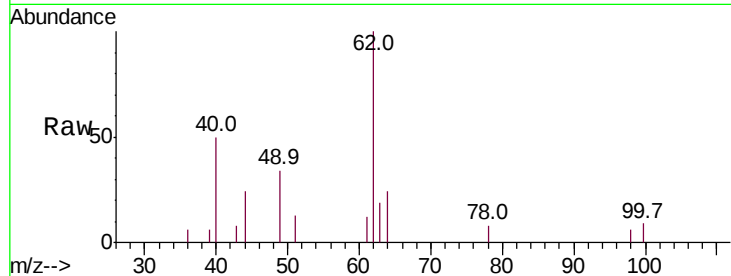
#42
 1,2-Dichloroethane
 Concen: 0.993 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 62 Resp: 6560
 Ion Ratio Lower Upper
 62 100
 98 2.7 0.0 17.0

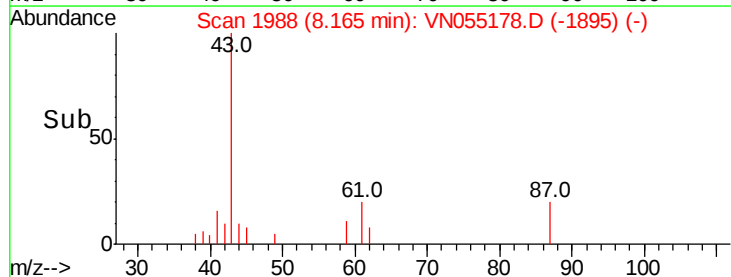
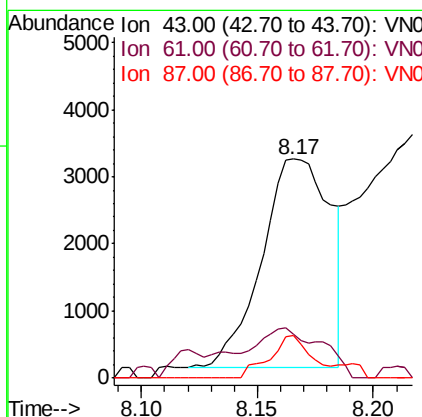
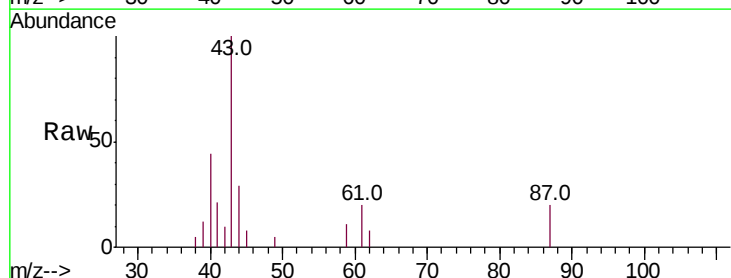
Manual Integrations
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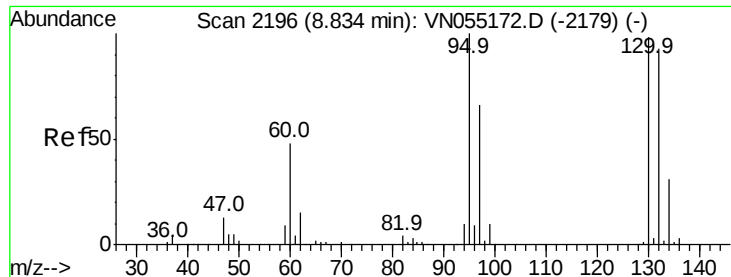
MMDadoda
 4/23/2019 1:47:06 PM



#43
 Isopropyl Acetate
 Concen: 0.794 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 6367
 Ion Ratio Lower Upper
 43 100
 61 22.6 20.6 30.8
 87 12.3 8.8 13.2





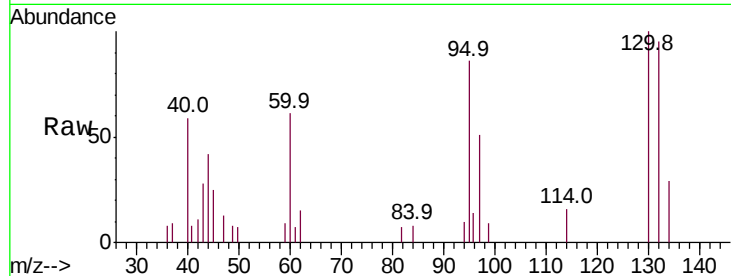
#44
 Trichloroethene
 Concen: 0.969 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

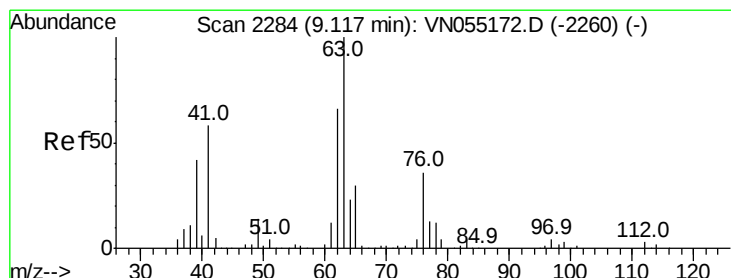
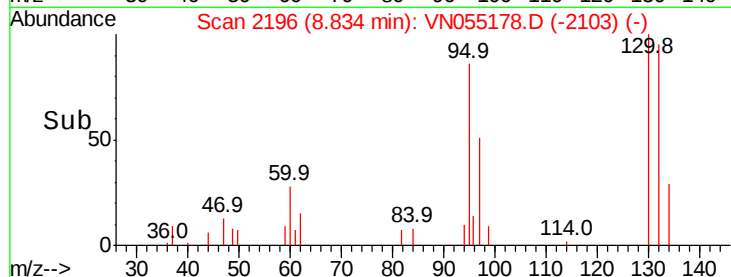
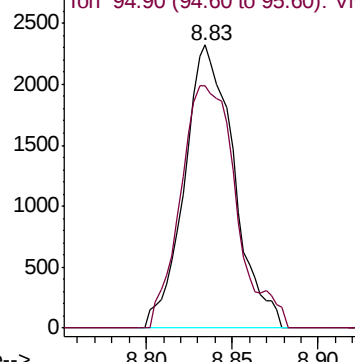
Tot Ion:130 Resp: 4636
 Ion Ratio Lower Upper
 130 100
 95 85.5 0.0 203.6

Manual Integrations
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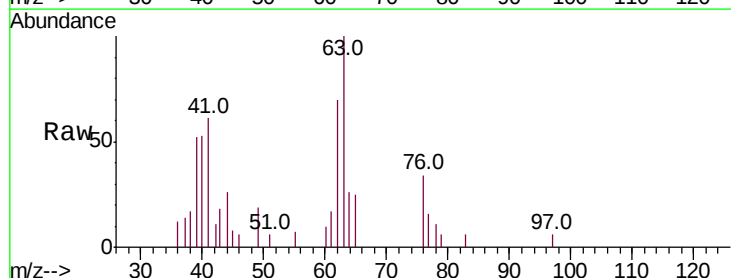


Abundance Ion 129.80 (129.50 to 130.50): V

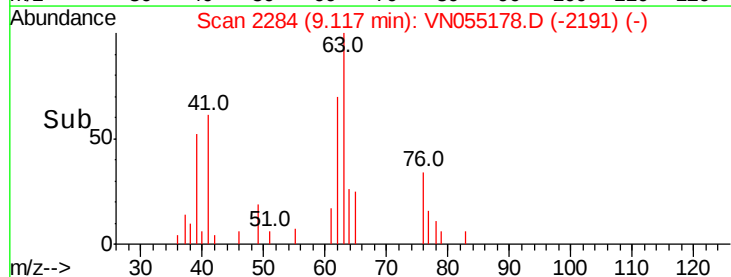
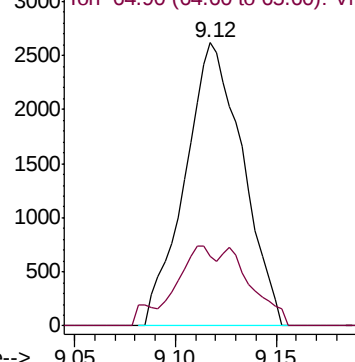


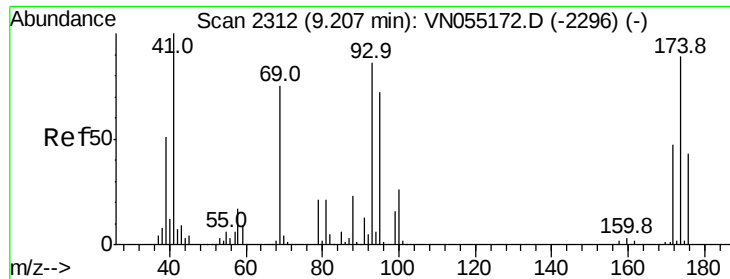
#45
 1,2-Dichloropropane
 Concen: 0.976 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 63 Resp: 5218
 Ion Ratio Lower Upper
 63 100
 65 24.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN





#46

Dibromomethane

Concen: 1.022 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

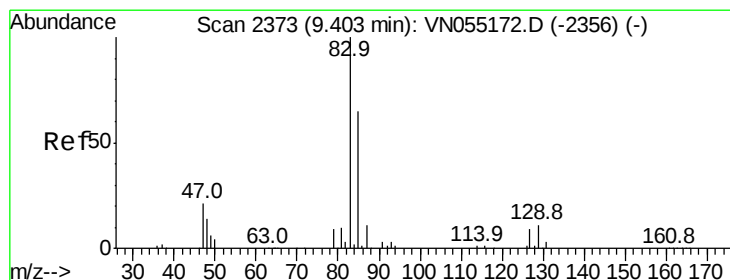
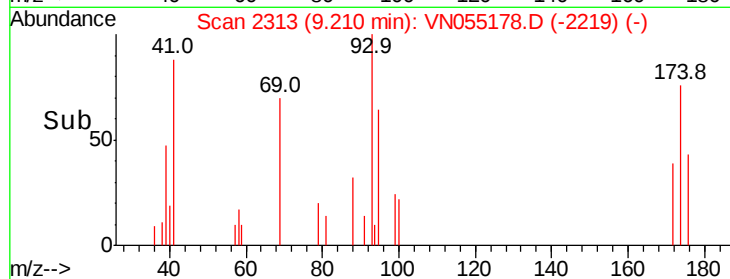
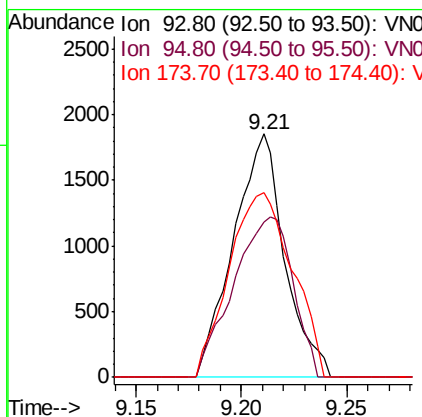
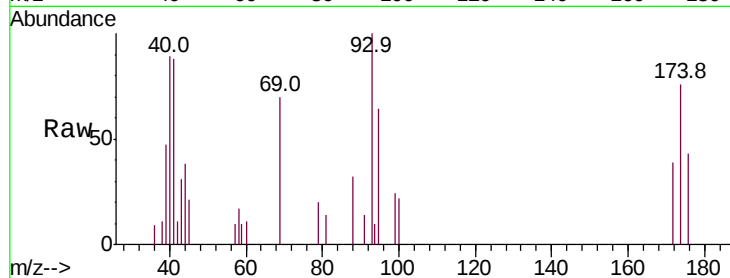
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	3125
Ion	Ratio	Lower	Upper
93	100		
95	76.2	67.6	101.4
174	93.7	83.4	125.2

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#47

Bromodichloromethane

Concen: 0.895 ug/l

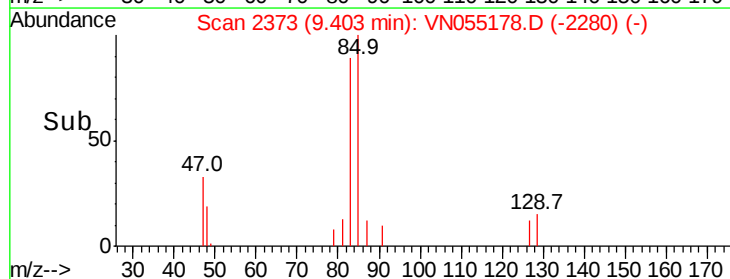
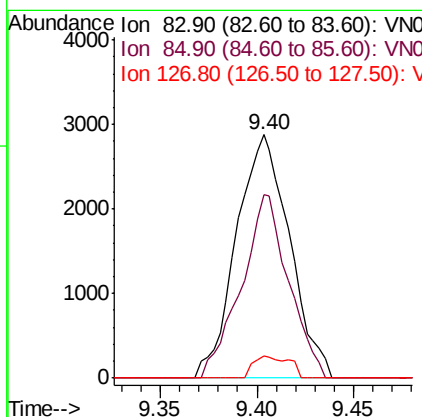
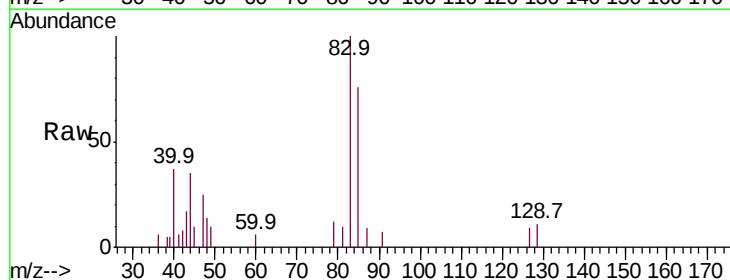
RT: 9.40 min Scan# 2373

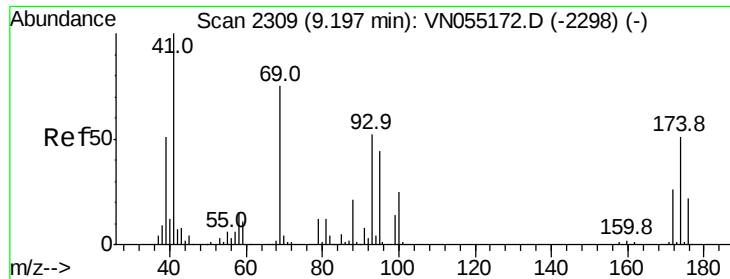
Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion:	83	Resp:	5482
Ion	Ratio	Lower	Upper
83	100		
85	75.5	52.1	78.1
127	9.1	6.9	10.3





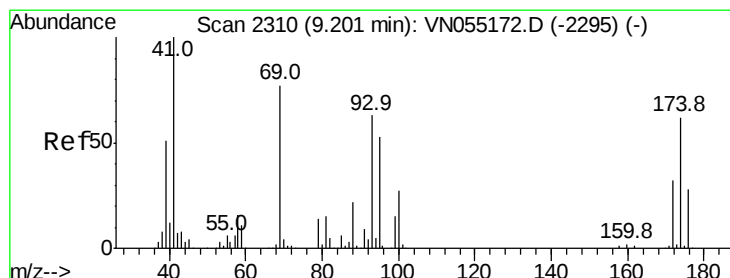
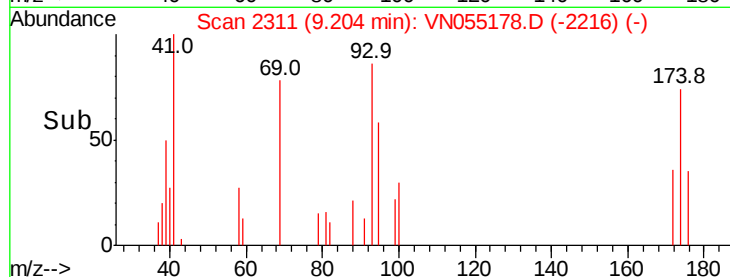
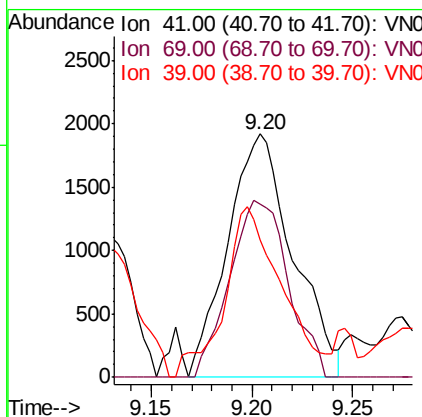
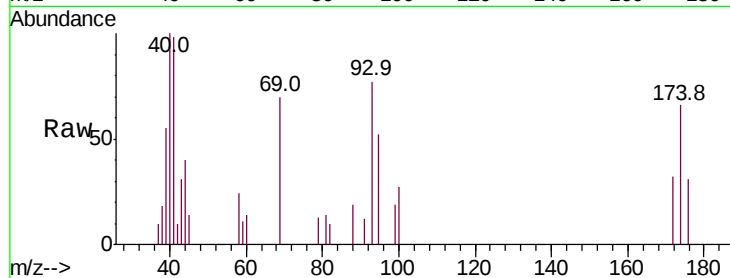
#48
Methvl methacrylate
Concen: 1.114 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	65.5	63.6	95.4
39	61.3	43.8	65.8

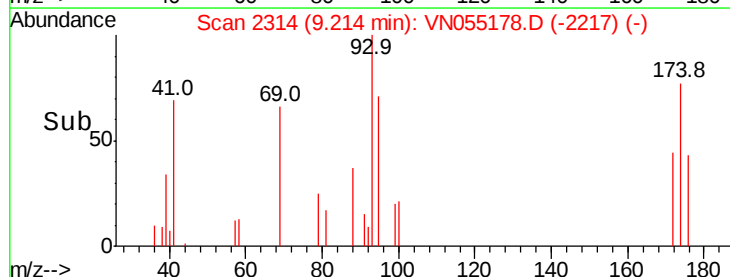
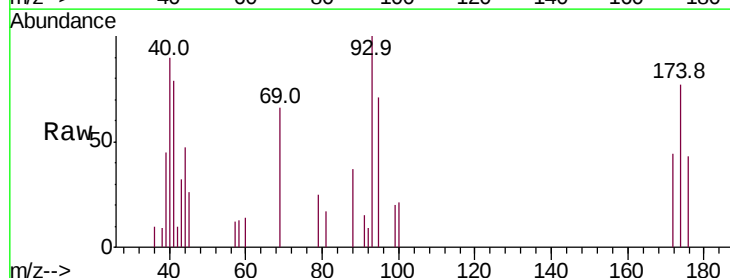
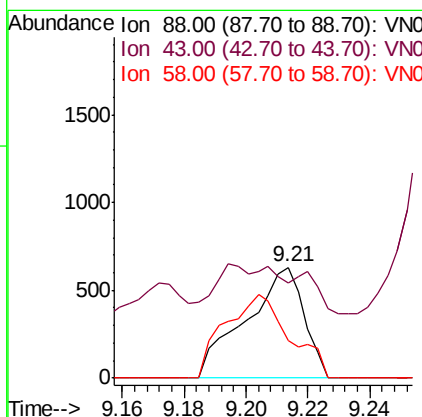
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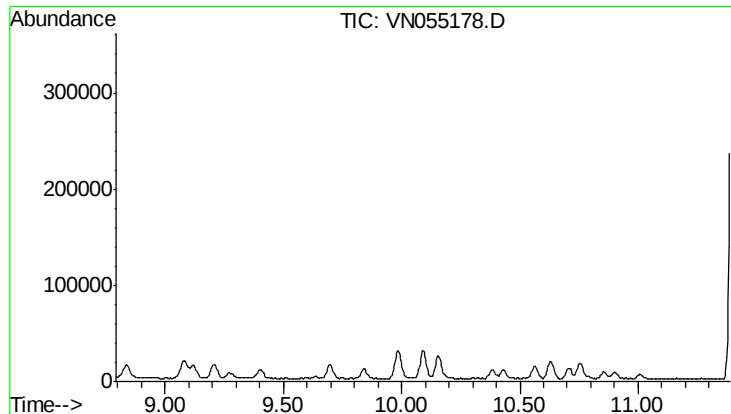
MMDadoda
4/23/2019 1:47:06 PM



#49
1,4-Dioxane
Concen: 18.331 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.0	48.0#
58	83.8	60.4	90.6





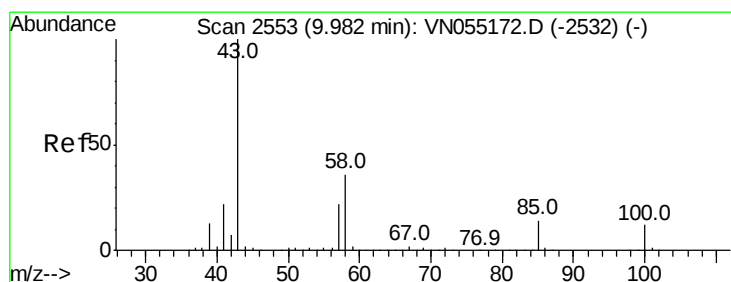
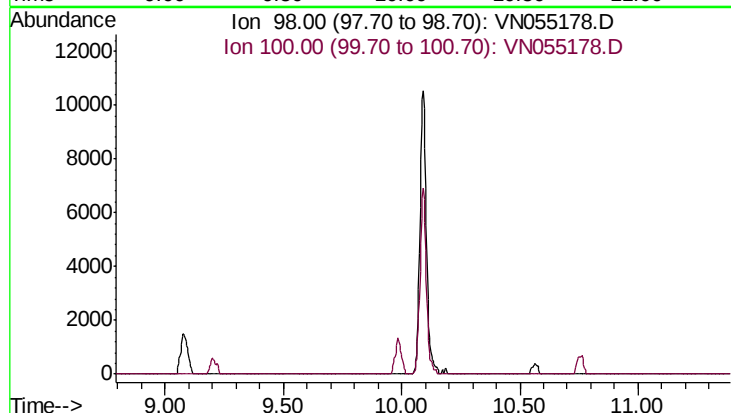
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.7

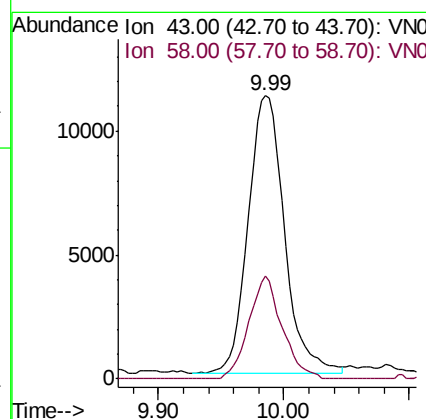
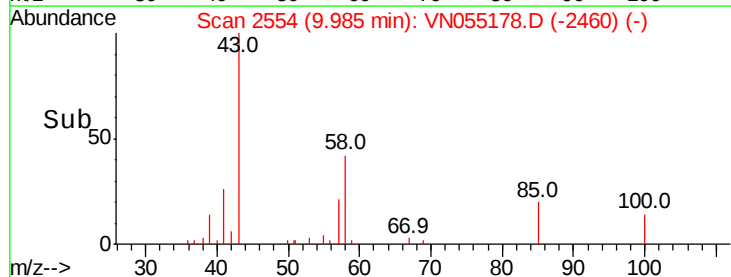
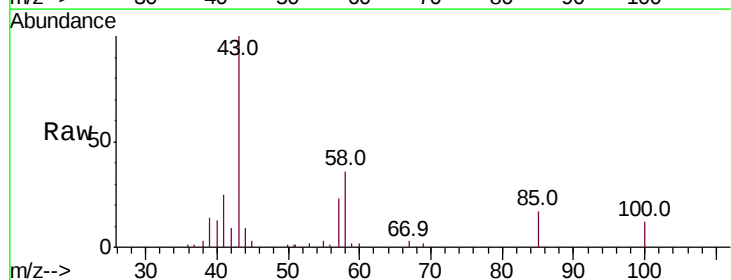
Manual Integrations
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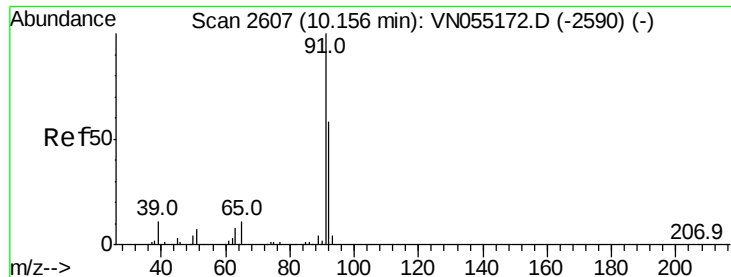
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#51
4-Methyl-2-Pentanone
Concen: 4.922 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 22698
Ion Ratio Lower Upper
43 100
58 33.6 28.3 42.5





#52

Toluene

Concen: 0.912 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10119

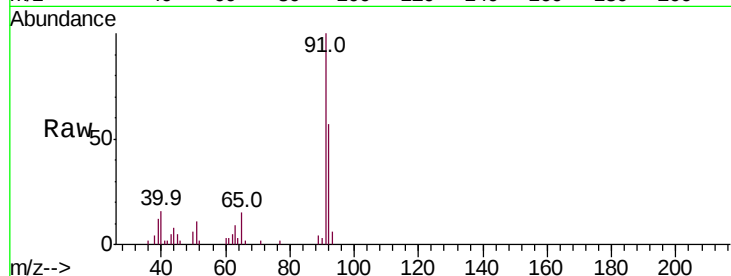
Ion Ratio Lower Upper

92 100

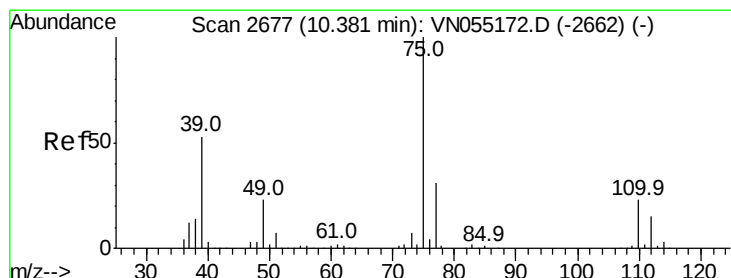
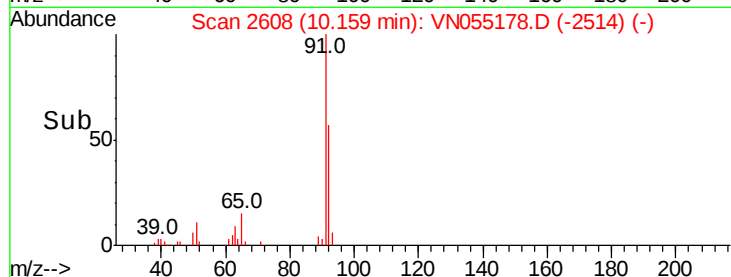
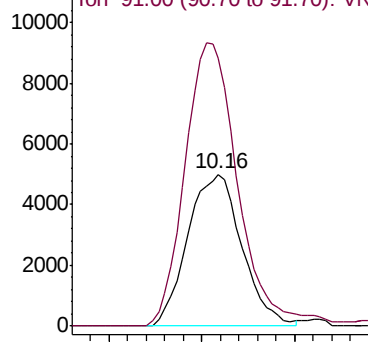
91 182.9 138.7 208.1

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Abundance Ion 92.00 (91.70 to 92.70): VN055178.D (-2514) (-)



#53

t-1,3-Dichloropropene

Concen: 0.891 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN055178.D

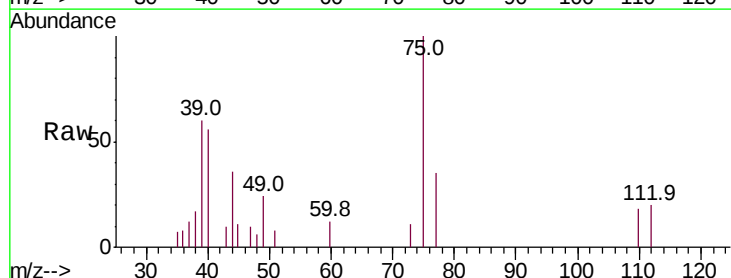
Acq: 22 Apr 2019 13:13

Tgt Ion: 75 Resp: 5007

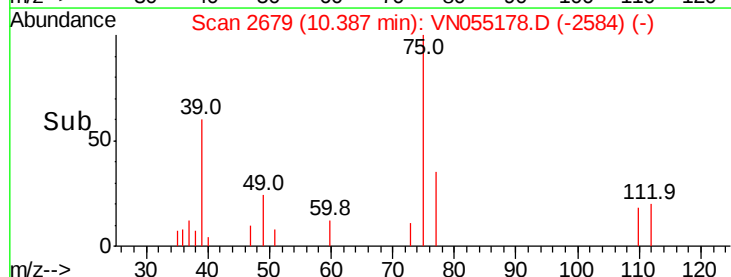
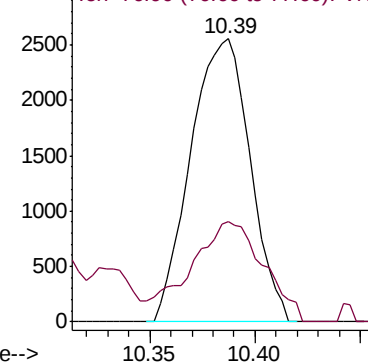
Ion Ratio Lower Upper

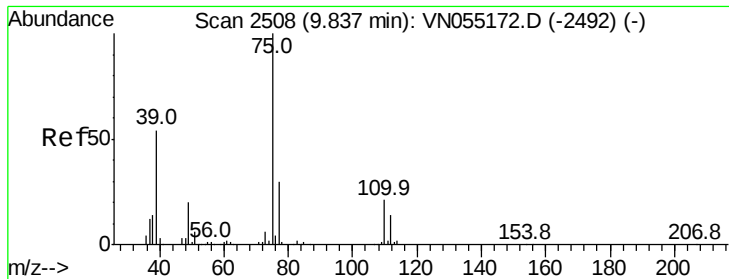
75 100

77 28.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN055178.D (-2584) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.912 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

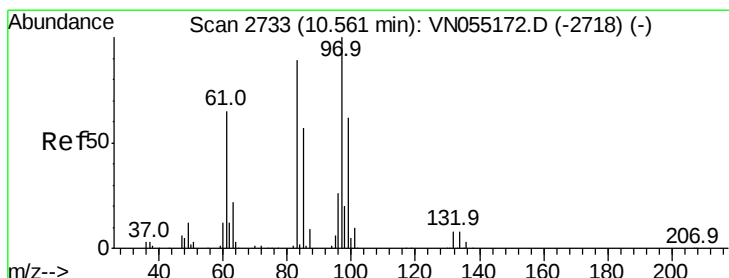
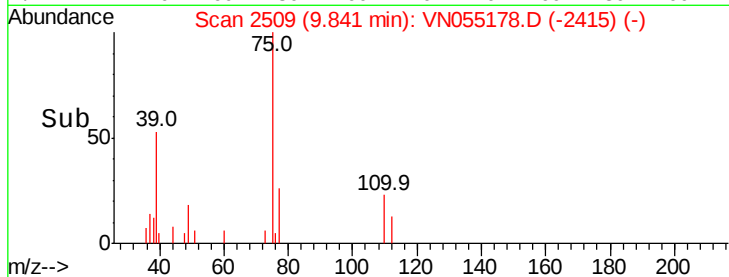
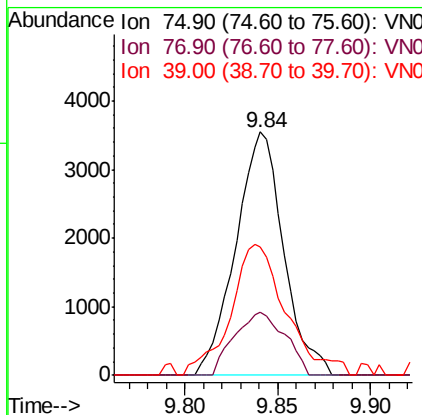
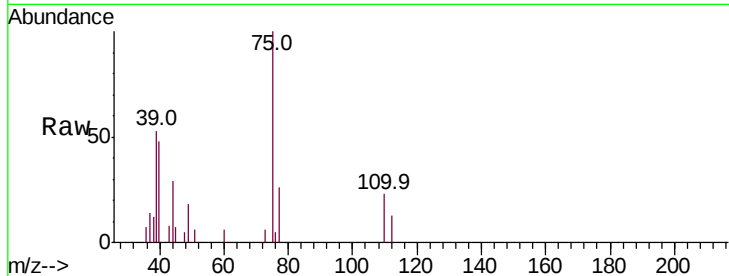
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6358
Ion	Ratio	Lower	Upper
75	100		
77	26.0	24.3	36.5
39	48.0	43.0	64.4

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.004 ug/l

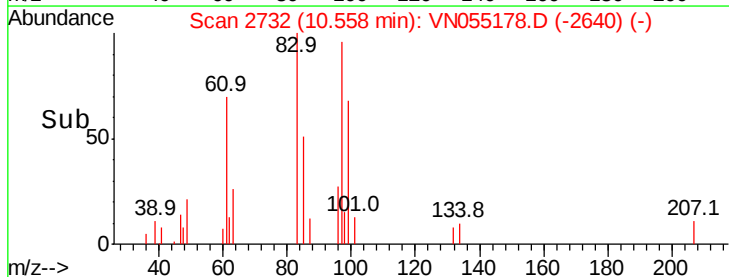
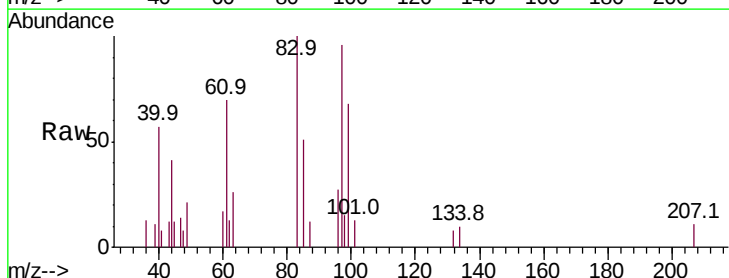
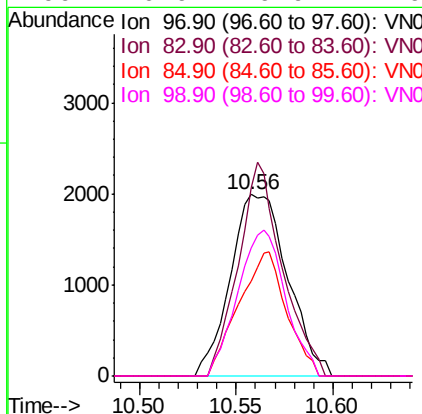
RT: 10.56 min Scan# 2732

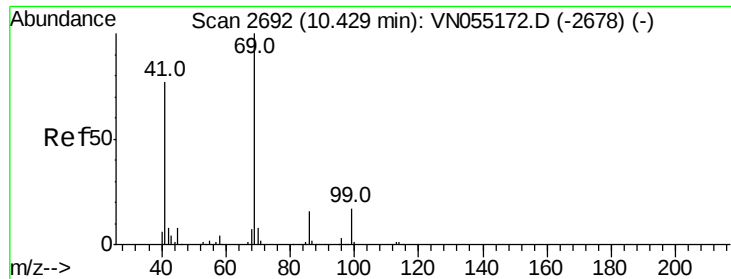
Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion:	97	Resp:	4108
Ion	Ratio	Lower	Upper
97	100		
83	103.8	71.5	107.3
85	52.6	45.8	68.6
99	70.9	49.9	74.9





#56

Ethyl methacrylate

Concen: 0.899 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

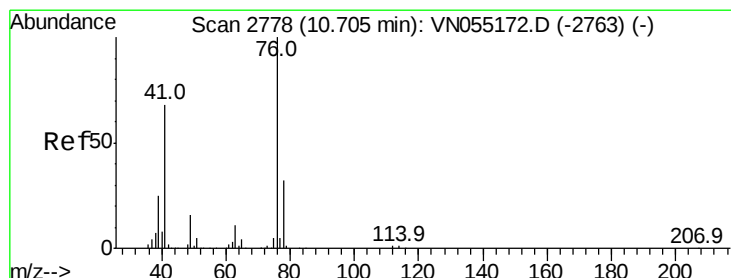
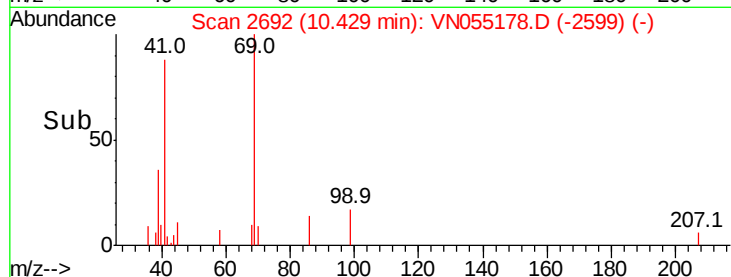
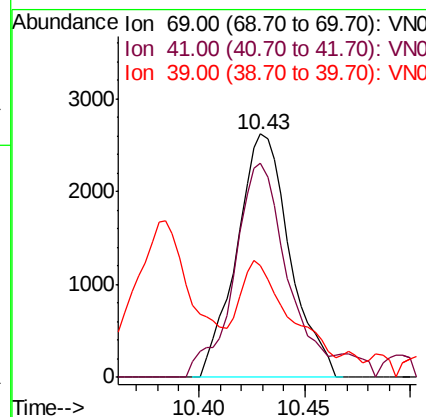
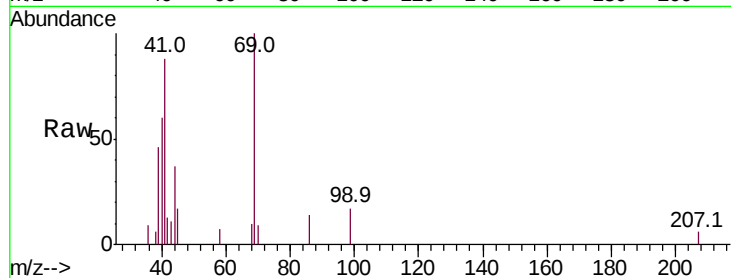
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4580
Ion	Ratio	Lower	Upper
69	100		
41	88.1	60.6	90.8
39	36.9	31.7	47.5

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.961 ug/l

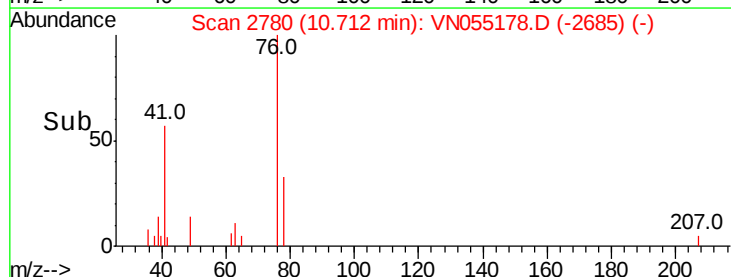
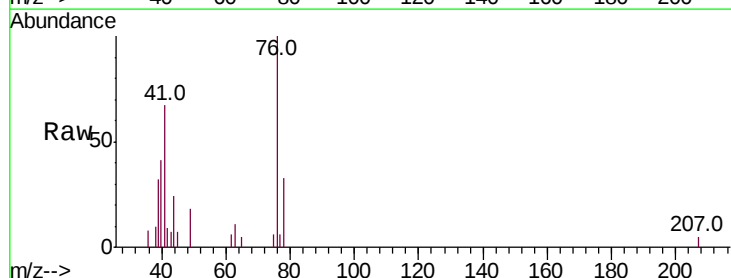
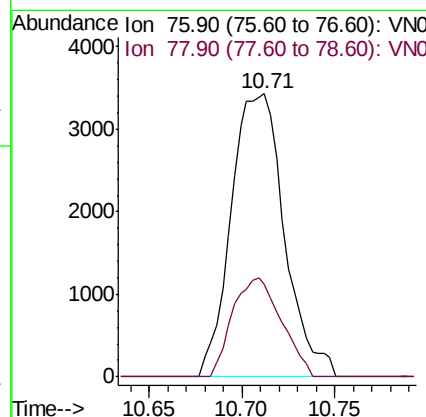
RT: 10.71 min Scan# 2780

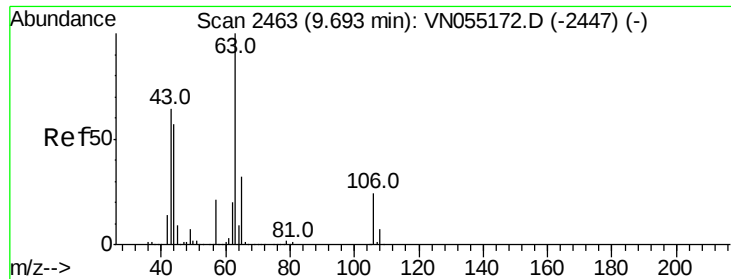
Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion:	76	Resp:	6841
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.3	37.9





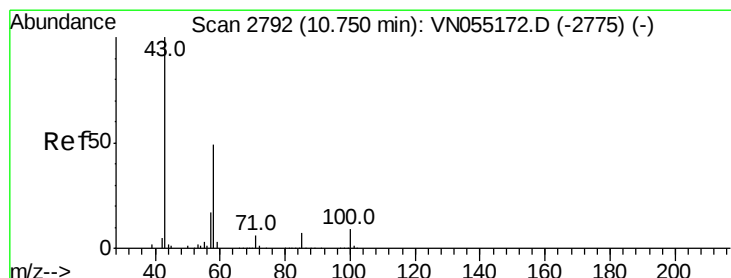
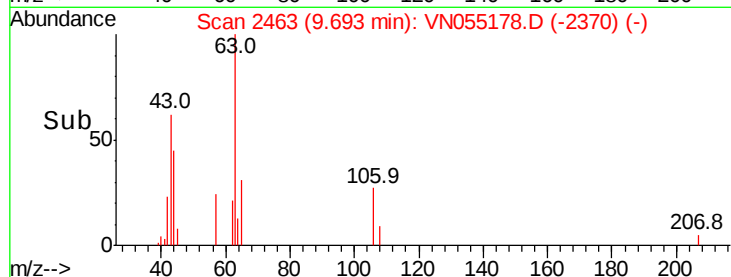
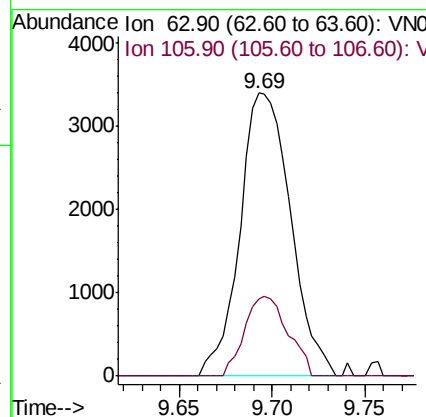
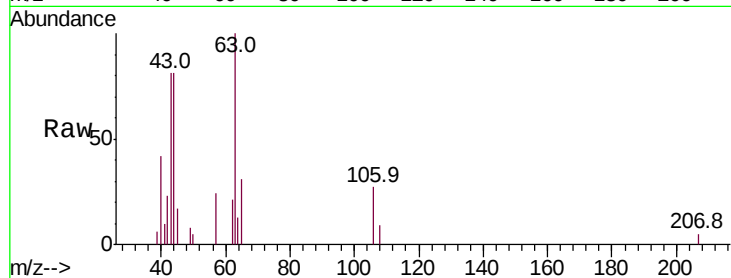
#58
2-Chloroethyl Vinyl ether
Concen: 3.930 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 6458
Ion Ratio Lower Upper
63 100
106 24.2 19.4 29.0

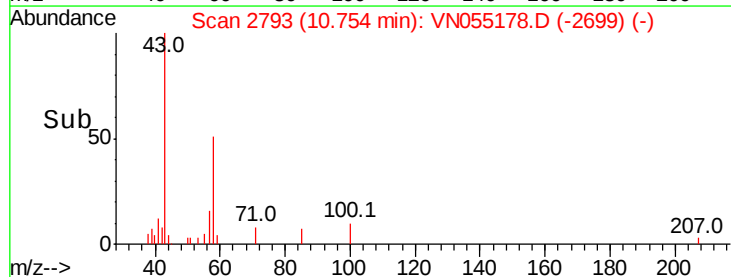
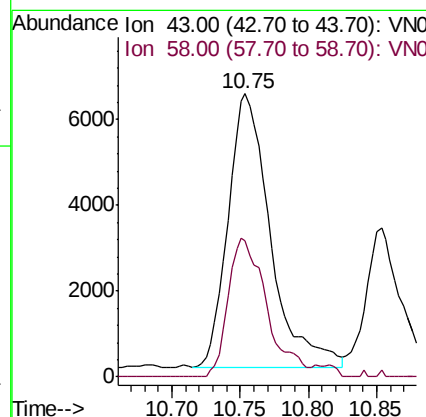
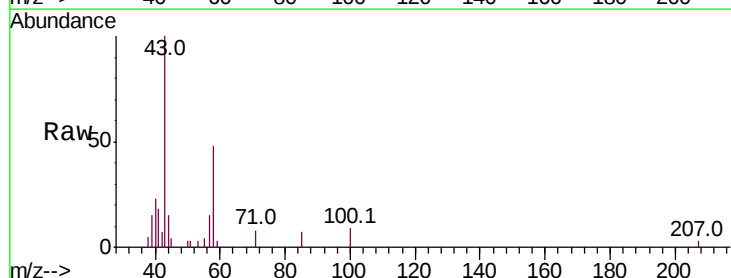
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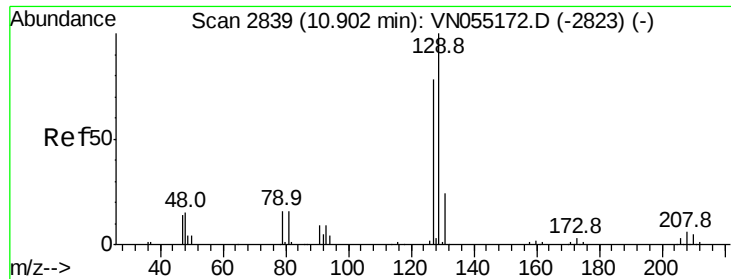
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#59
2-Hexanone
Concen: 4.715 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 13735
Ion Ratio Lower Upper
43 100
58 46.4 24.5 73.5





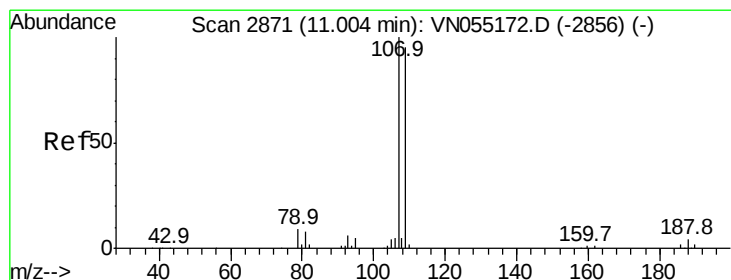
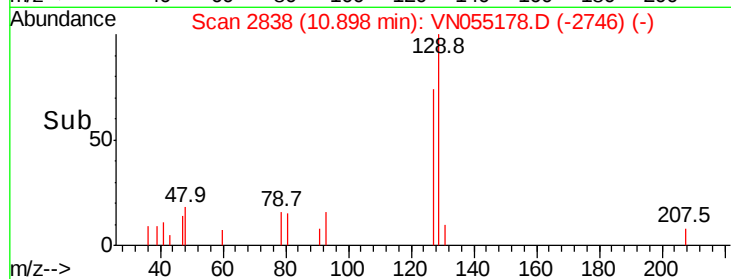
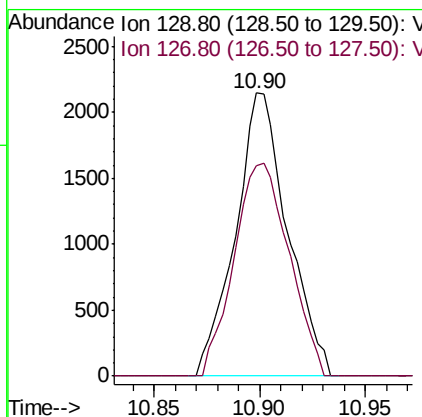
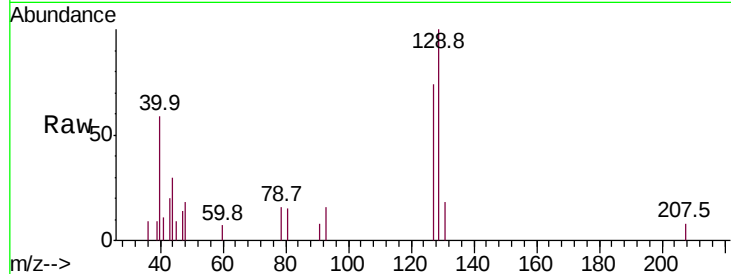
#60
 Dibromochloromethane
 Concen: 0.876 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:129 Resp: 3693
 Ion Ratio Lower Upper
 129 100
 127 79.1 39.0 117.0

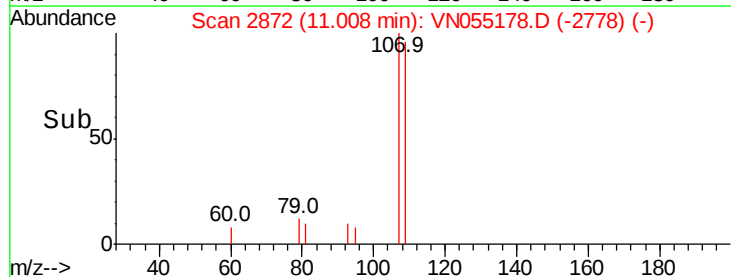
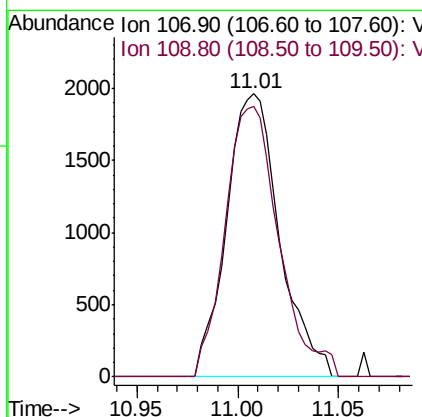
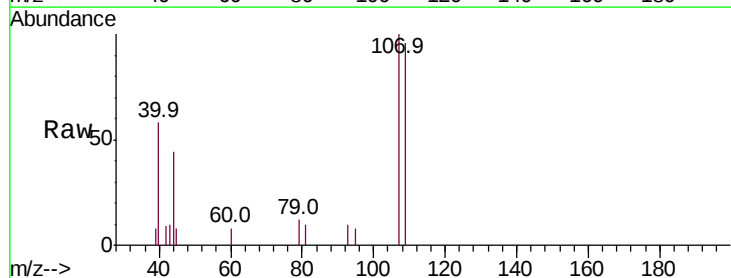
Manual Integrations
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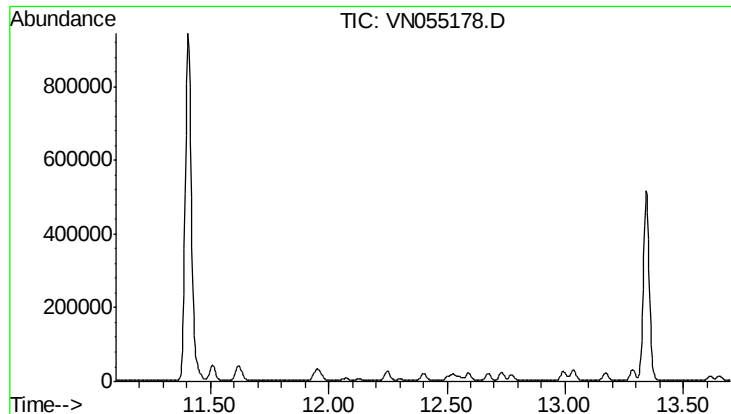
MMDadoda
 4/23/2019 1:47:06 PM



#61
 1,2-Dibromoethane
 Concen: 0.938 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion:107 Resp: 3609
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.8 113.6





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tot Ion: 95

Sig Exp Ratio

95 100

174 84.2

176 82.0

Instrument :

MSVOA_N

ClientSampleId :

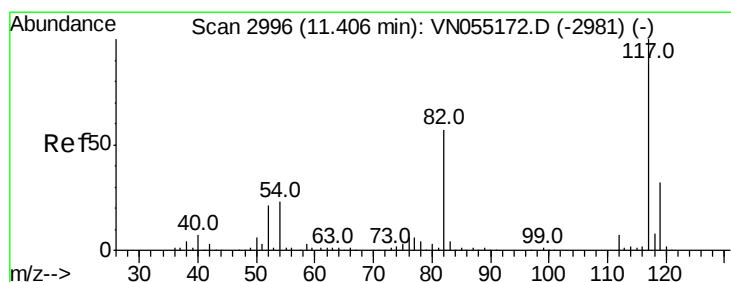
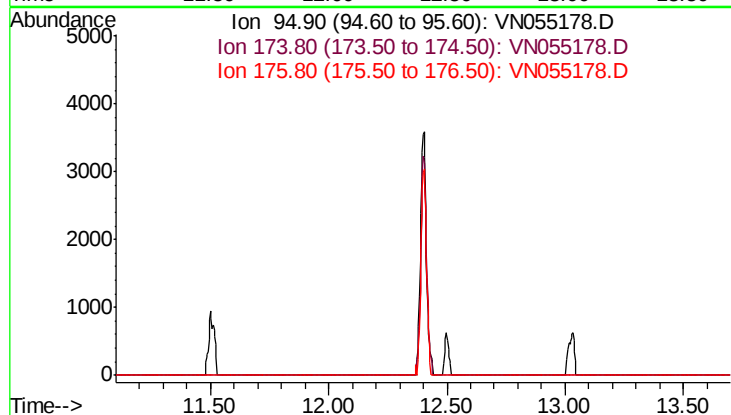
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

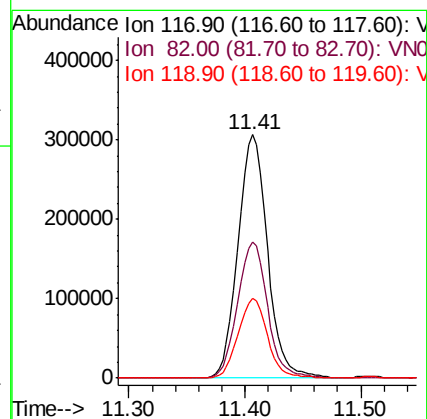
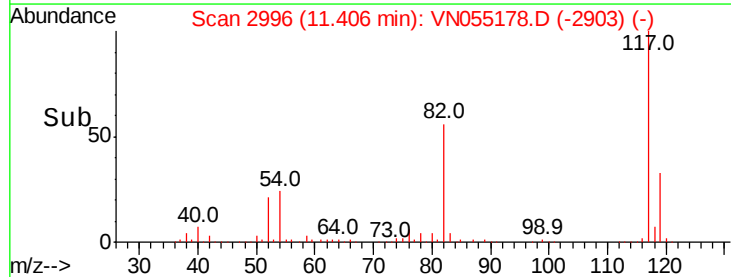
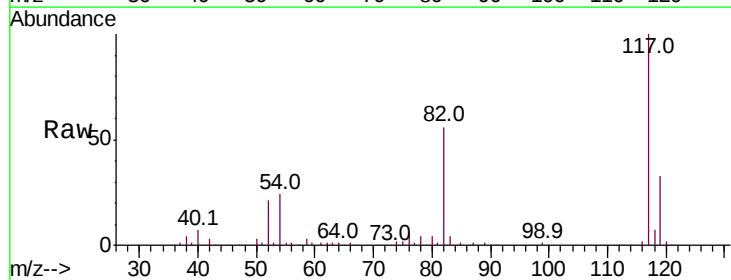
Tgt Ion:117 Resp: 539497

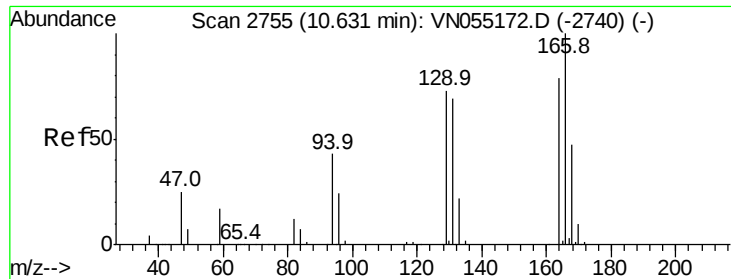
Ion Ratio Lower Upper

117 100

82 56.0 45.7 68.5

119 32.6 25.4 38.2





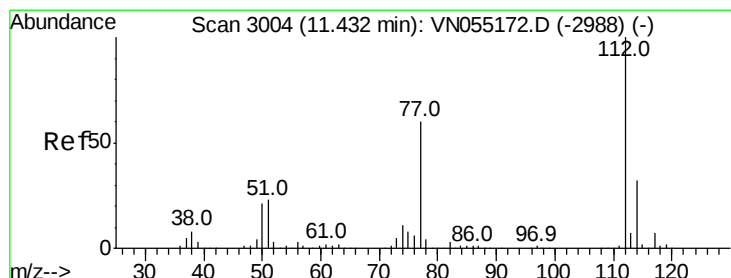
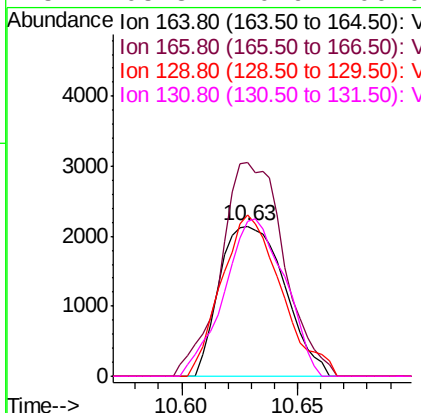
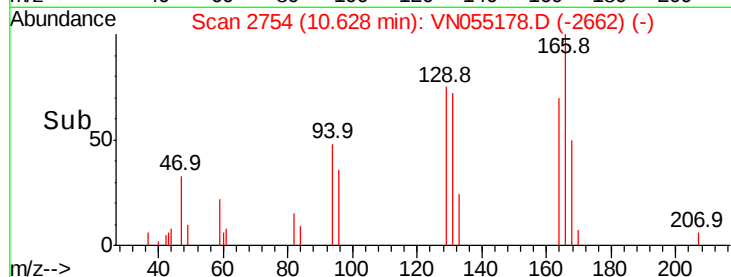
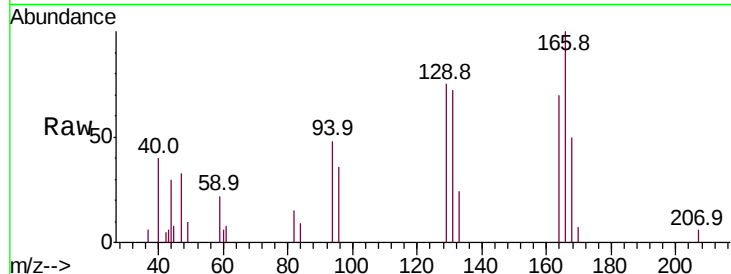
#64
Tetrachloroethene
Concen: 0.952 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:164 Resp: 4188
Ion Ratio Lower Upper
164 100
166 142.6 101.9 152.9
129 107.3 74.1 111.1
131 103.3 70.6 106.0

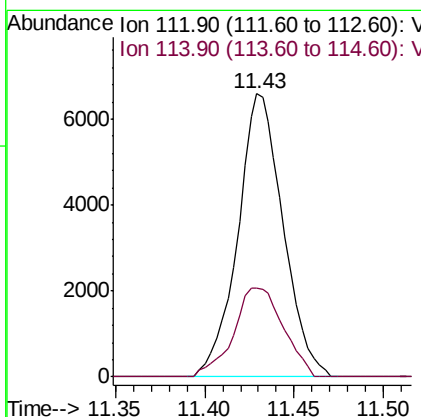
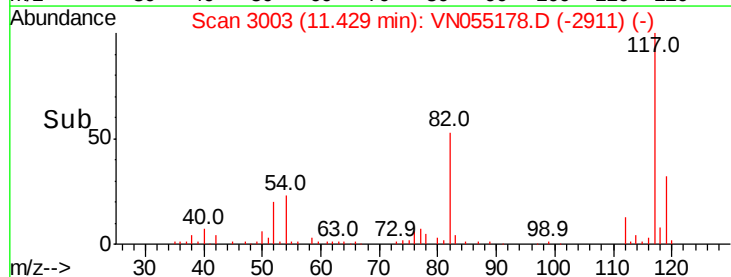
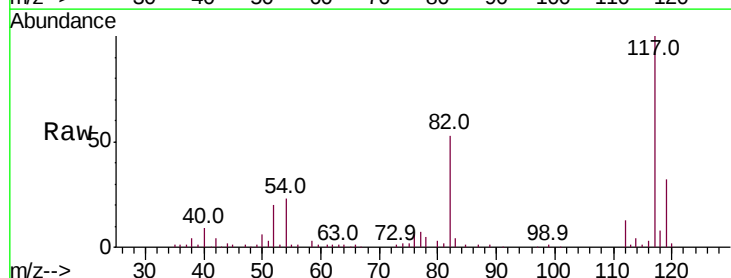
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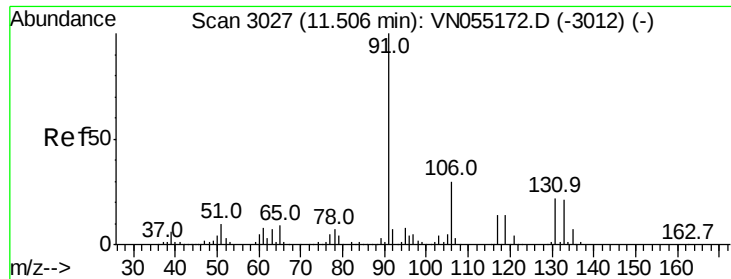
MMDadoda
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#65
Chlorobenzene
Concen: 1.060 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion:112 Resp: 11670
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0





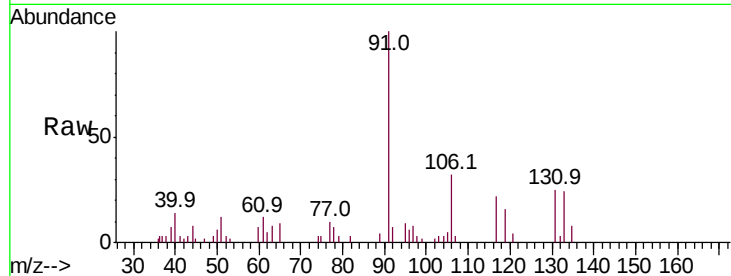
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.960 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

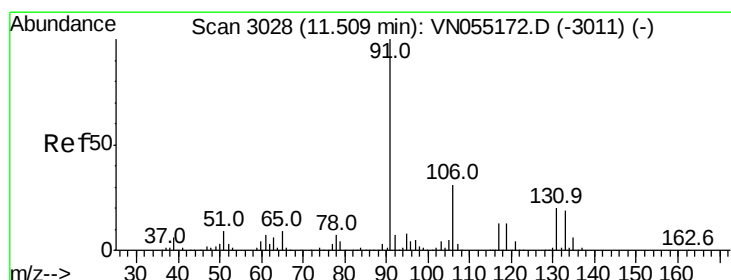
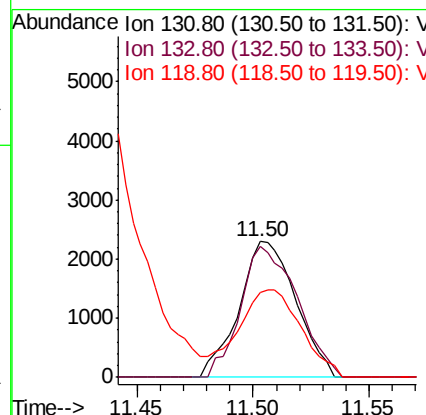
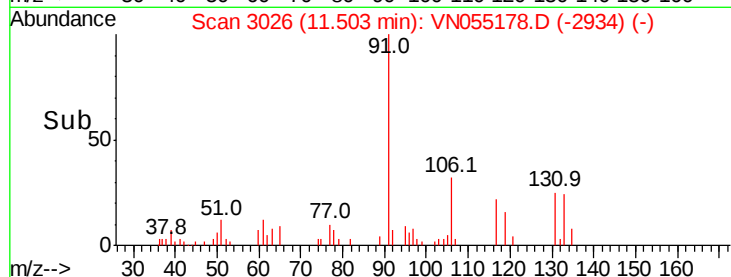
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.7	143.1
119	0.0	33.2	99.6#

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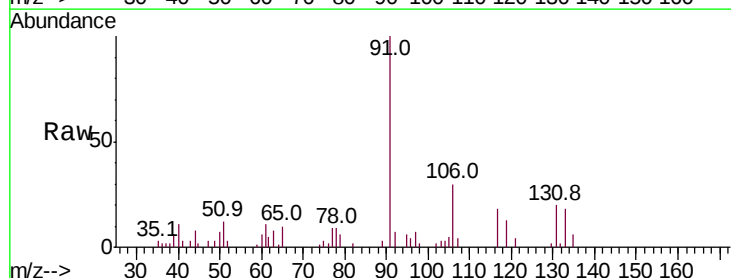


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

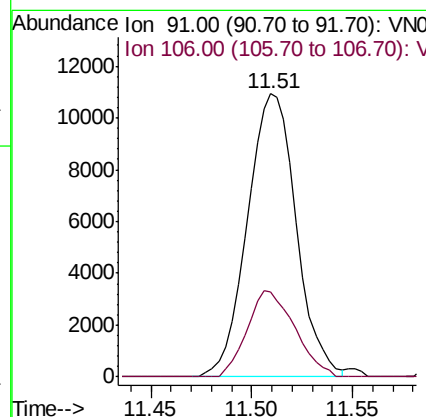
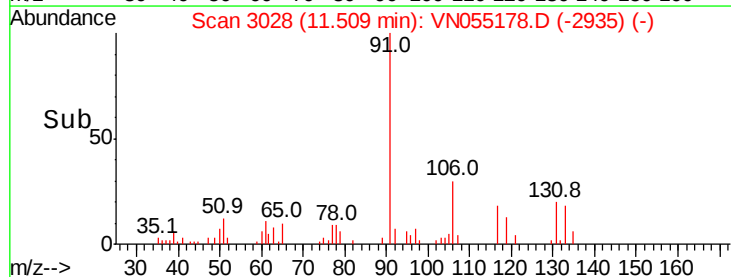


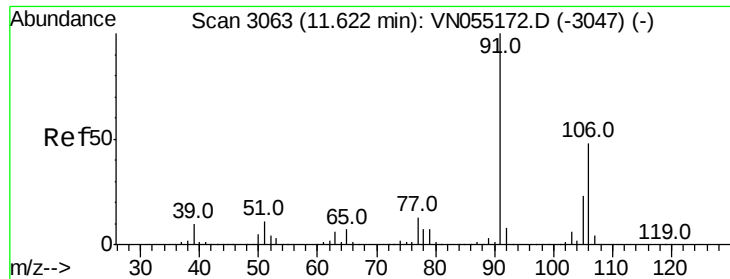
#67
 Ethyl Benzene
 Concen: 0.943 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7



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





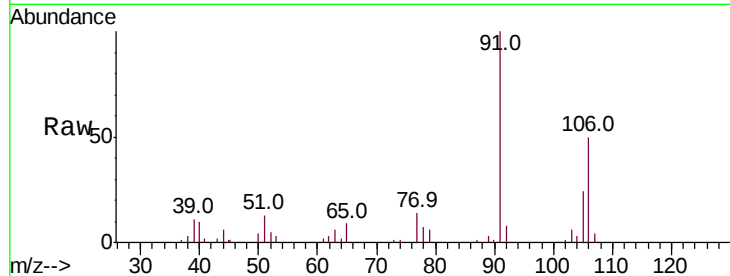
#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

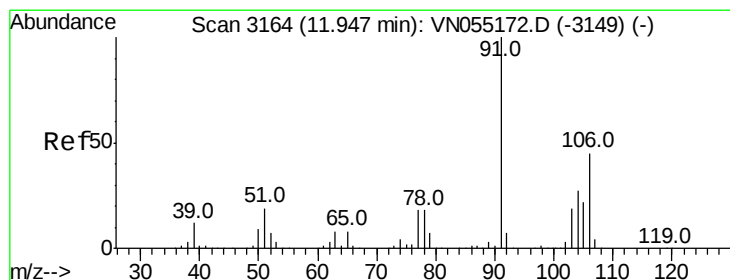
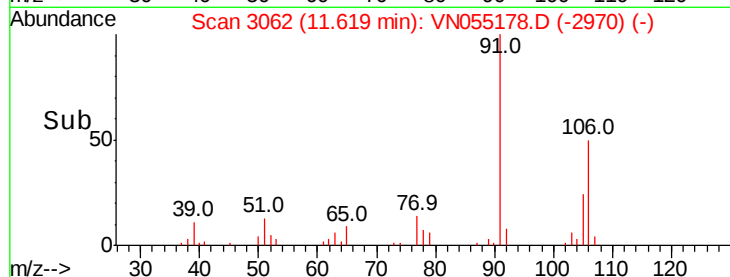
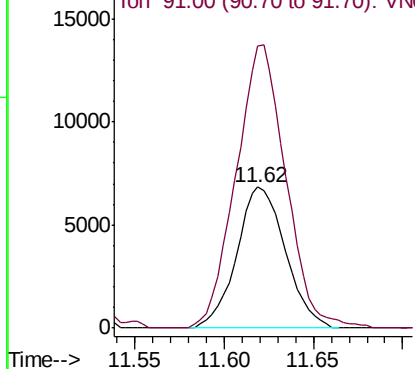
Tot Ion:106 Resp: 13019
Ion Ratio Lower Upper
106 100
91 205.6 167.1 250.7

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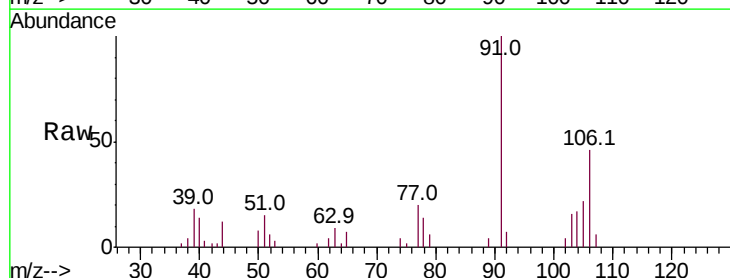


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

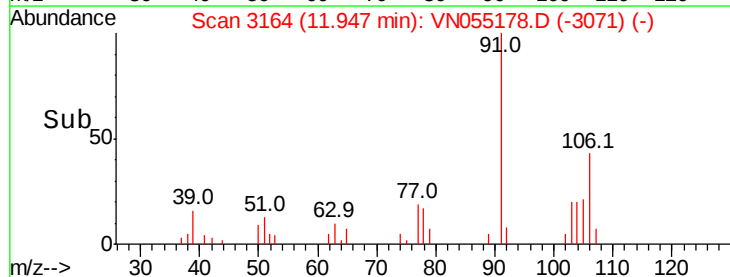
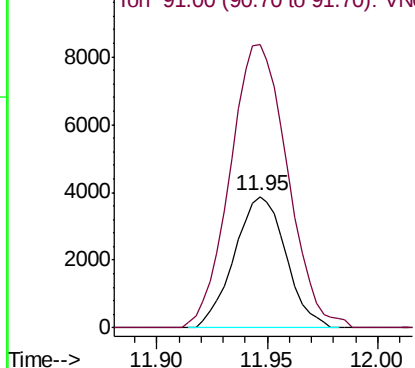


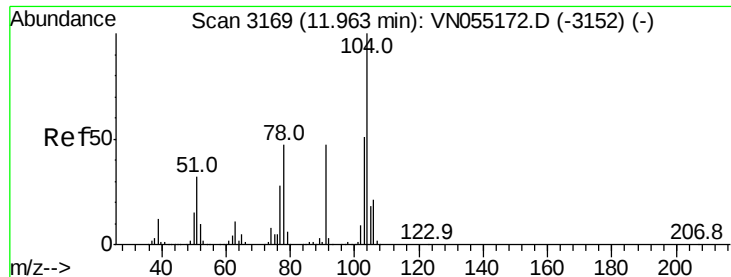
#69
o-Xylene
Concen: 0.902 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion:106 Resp: 6297
Ion Ratio Lower Upper
106 100
91 240.2 110.6 331.8



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





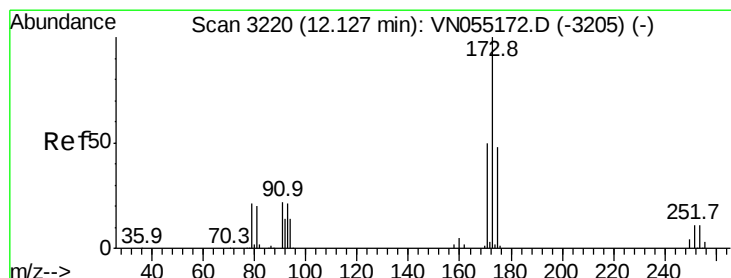
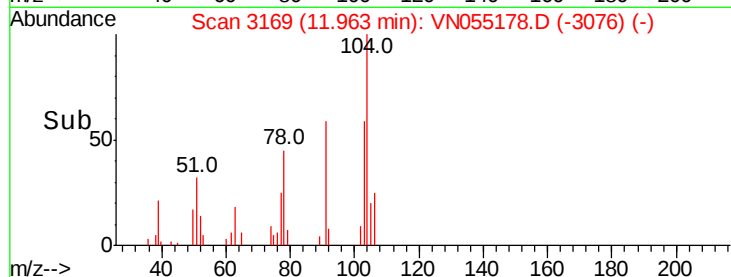
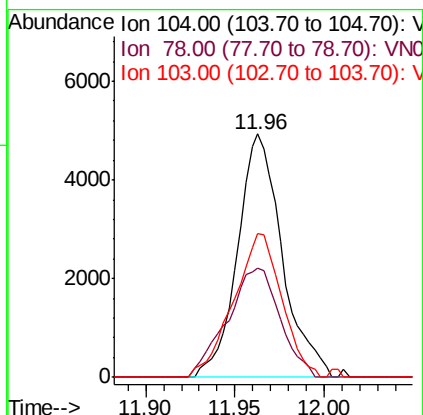
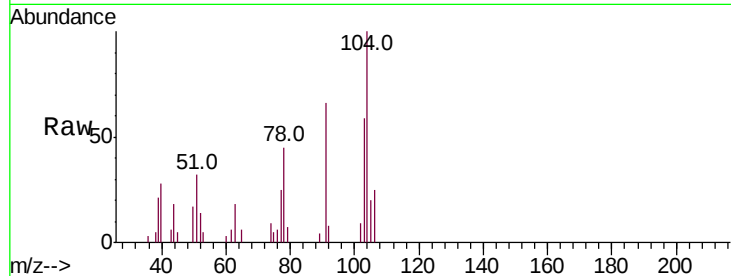
#70
Stvrene
Concen: 0.793 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.3	61.9
103	63.8	44.2	66.4

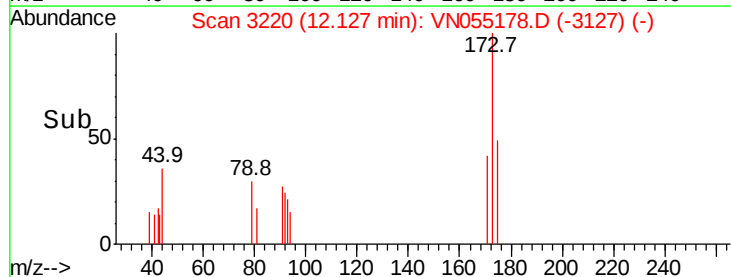
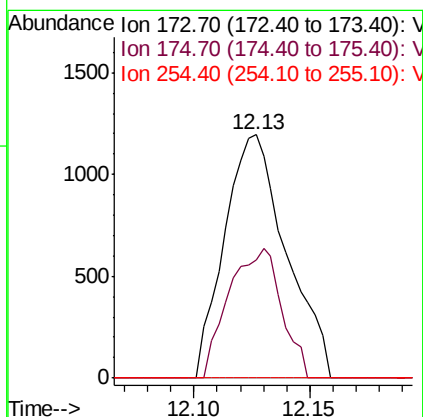
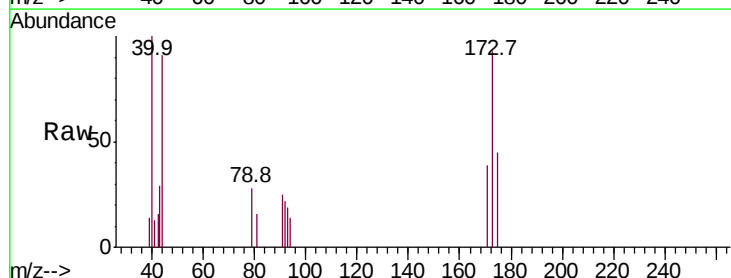
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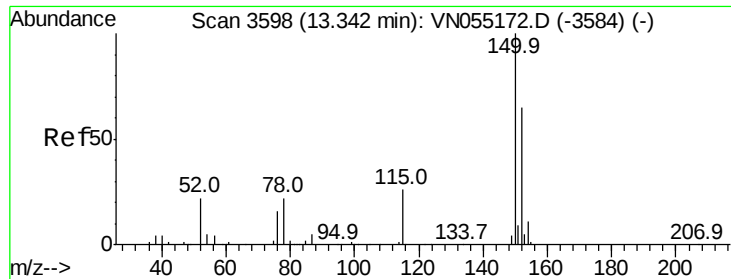
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#71
Bromoform
Concen: 0.909 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.5	23.8	71.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 141635

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

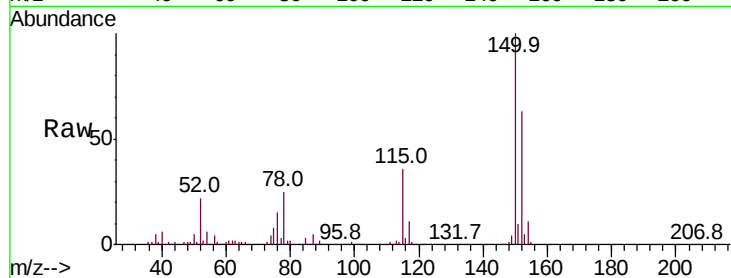
150 158.2 0.0 346.6

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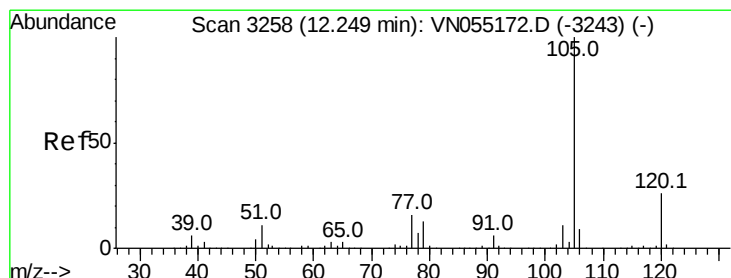
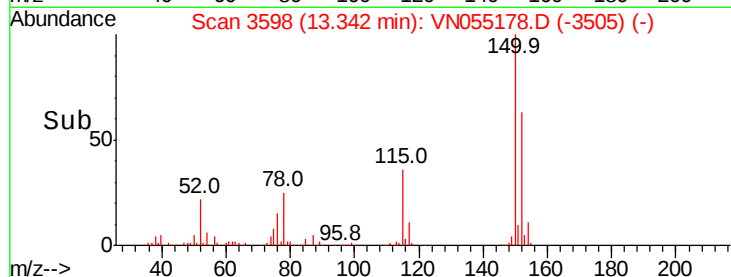
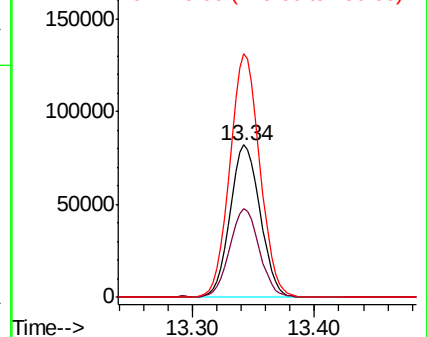
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.235 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055178.D

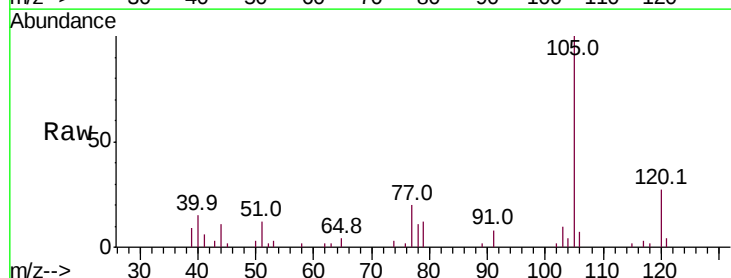
Acq: 22 Apr 2019 13:13

Tgt Ion:105 Resp: 16793

Ion Ratio Lower Upper

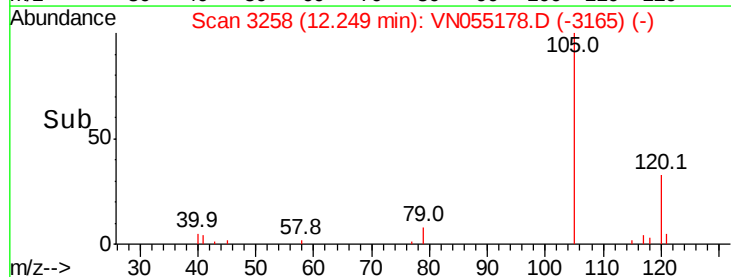
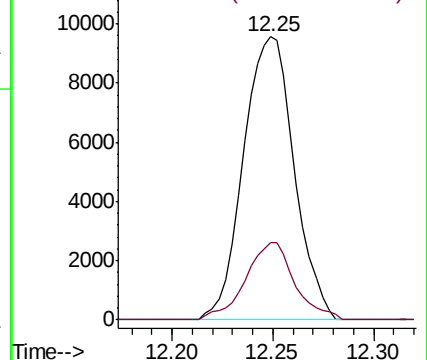
105 100

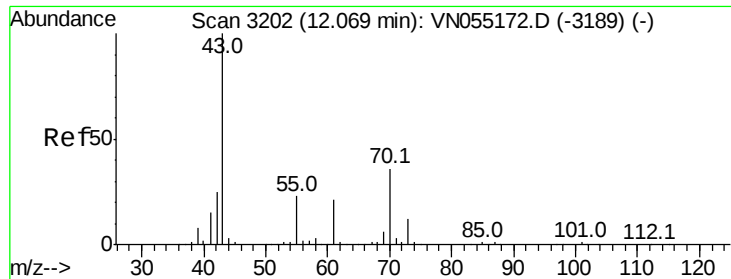
120 26.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.057 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

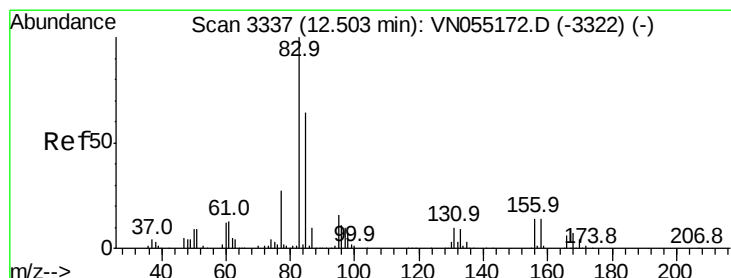
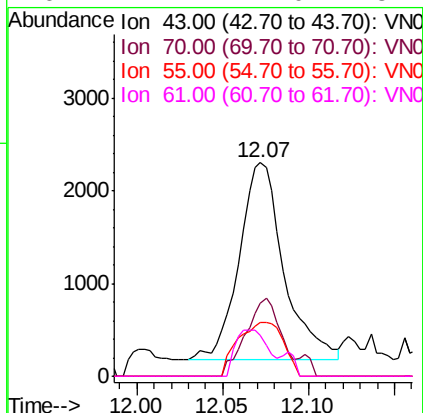
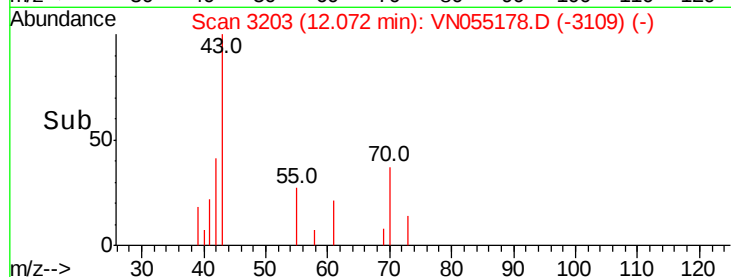
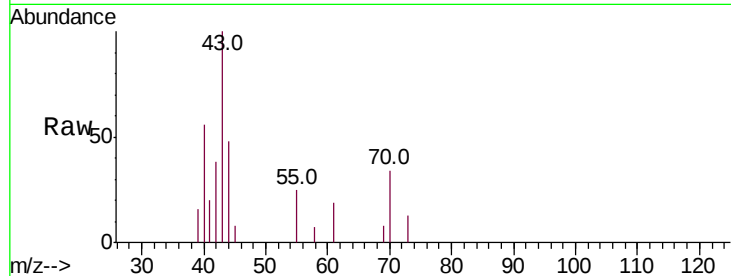
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	3861
Ion	Ratio	Lower	Upper
43	100		
70	33.5	29.0	43.6
55	27.4	18.5	27.7
61	17.1	17.0	25.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.402 ug/l

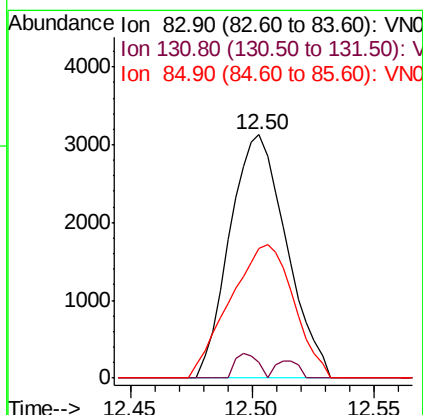
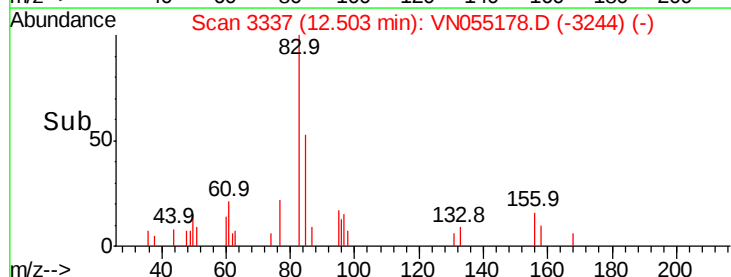
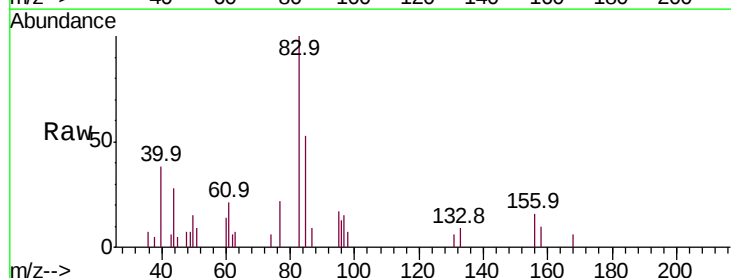
RT: 12.50 min Scan# 3337

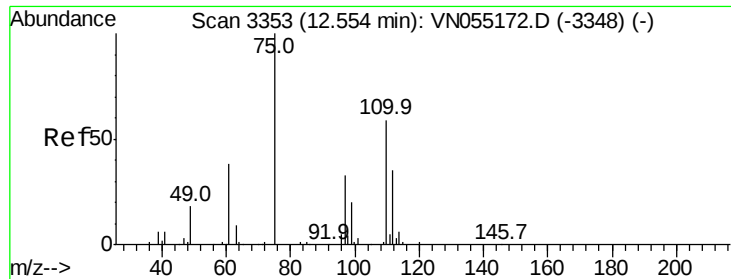
Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion	83	Resp	5043
Ion	Ratio	Lower	Upper
83	100		
131	4.1	5.0	15.0#
85	61.7	32.1	96.3





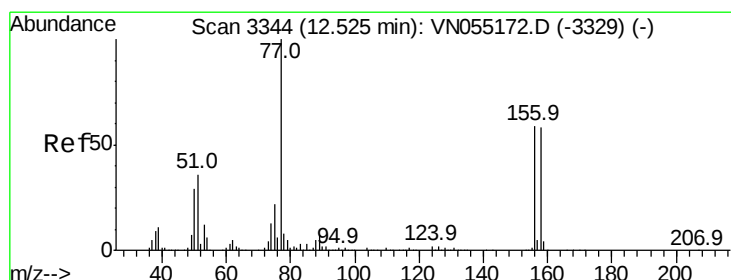
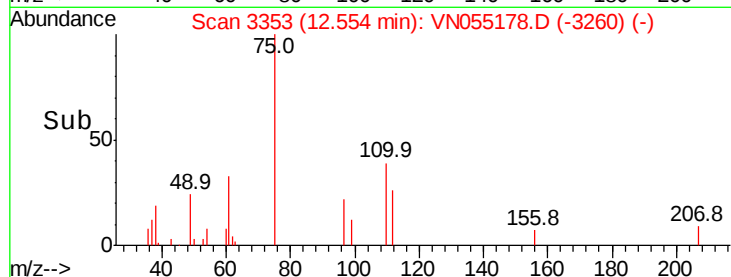
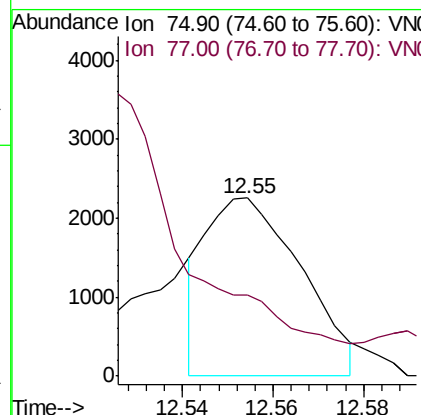
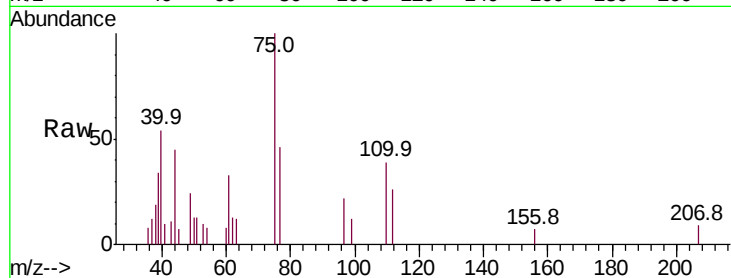
#76
 1,2,3-Trichloropropane
 Concen: 1.241 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 3295
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

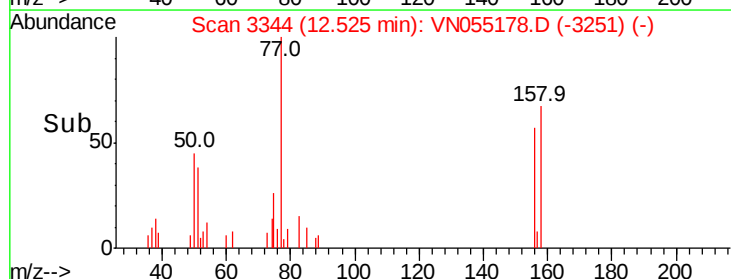
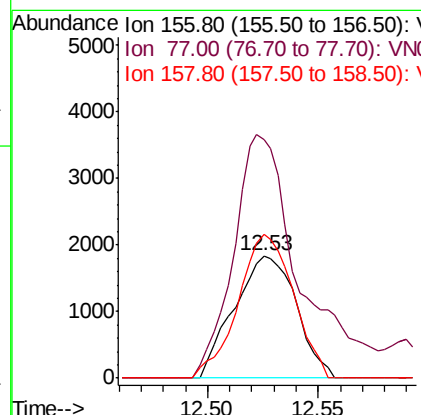
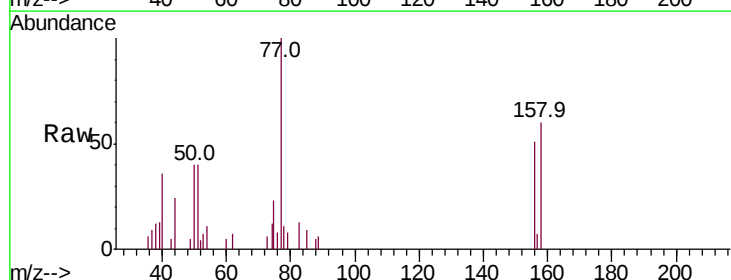
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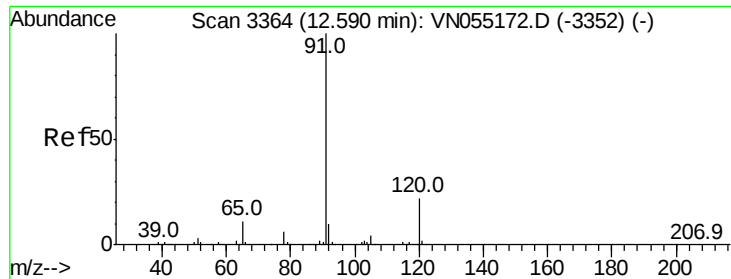
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#77
 Bromobenzene
 Concen: 1.145 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 156 Resp: 3580
 Ion Ratio Lower Upper
 156 100
 77 213.4 98.0 293.9
 158 104.8 48.9 146.8





#78

n-propylbenzene

Concen: 1.087 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 15442

Ion Ratio Lower Upper

91 100

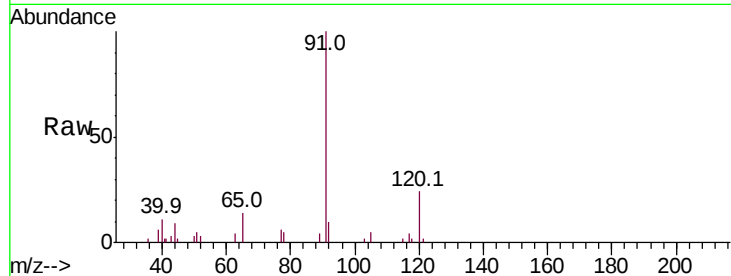
120 23.6 11.3 33.9

Manual Integrations

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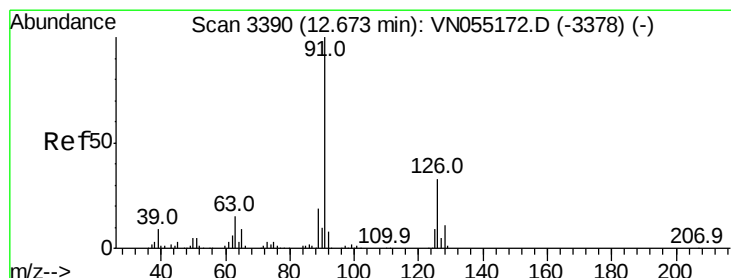
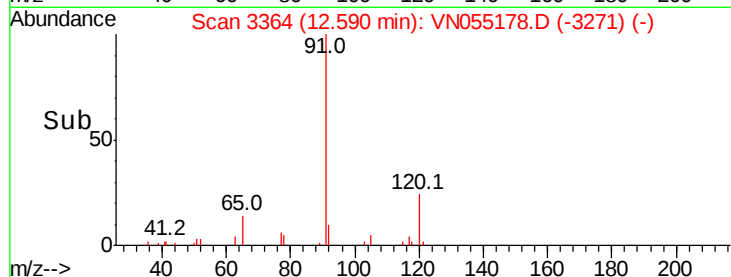
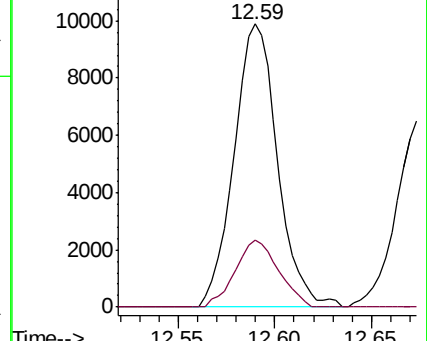
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.165 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055178.D

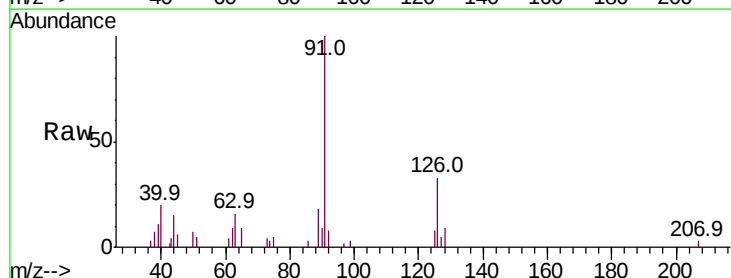
Acq: 22 Apr 2019 13:13

Tgt Ion: 91 Resp: 10448

Ion Ratio Lower Upper

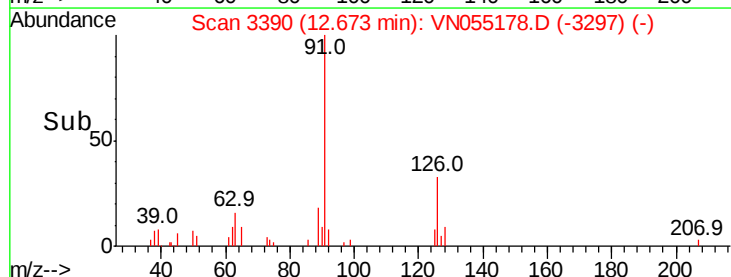
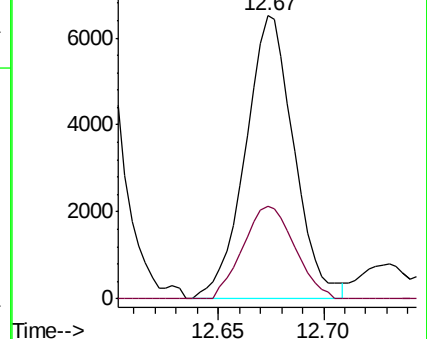
91 100

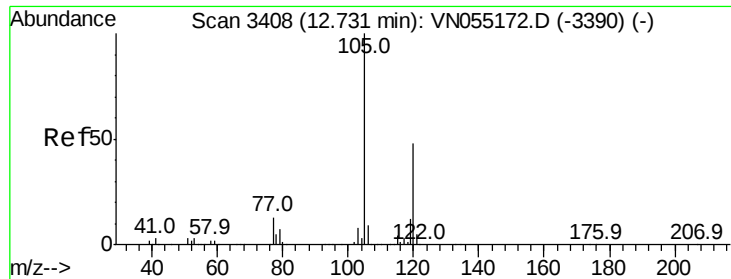
126 34.7 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





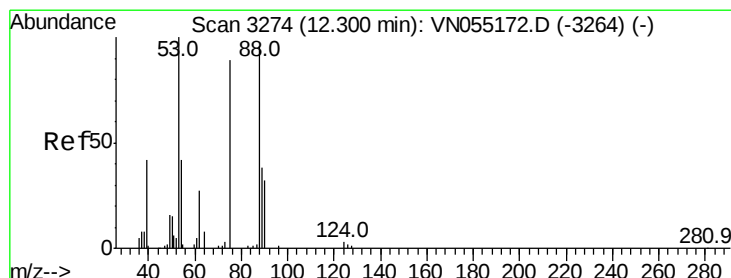
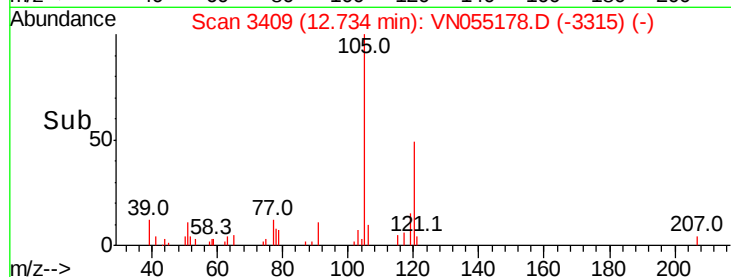
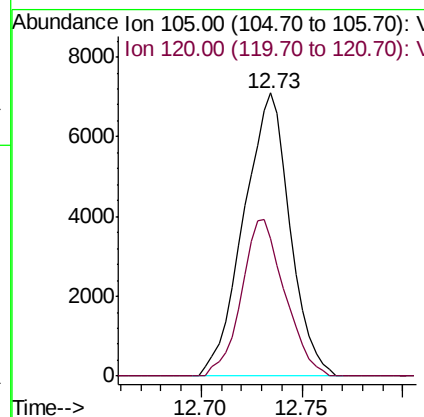
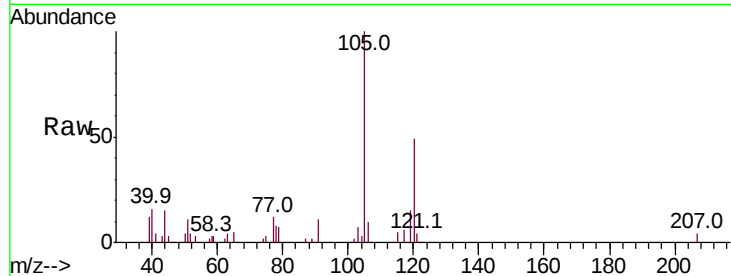
#80
 1,3,5-Trimethylbenzene
 Concen: 1.076 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 11404
 Ion Ratio Lower Upper
 105 100
 120 51.8 23.9 71.7

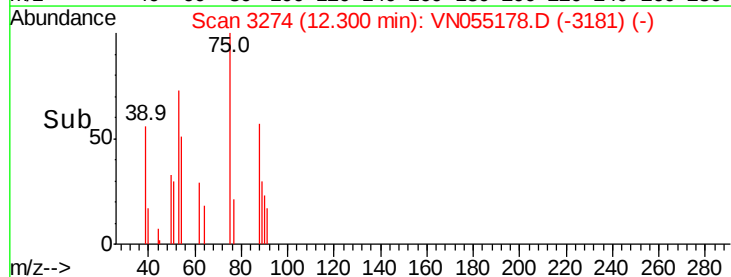
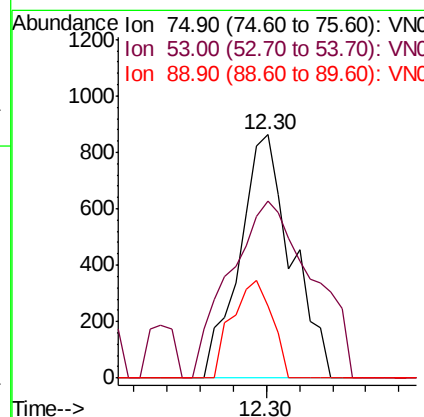
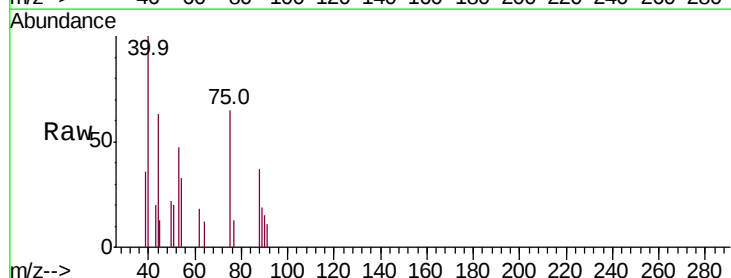
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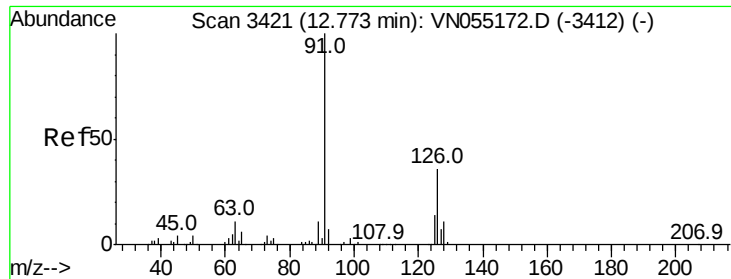
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.240 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 75 Resp: 940
 Ion Ratio Lower Upper
 75 100
 53 115.3 90.1 135.1
 89 30.6 36.7 55.1#





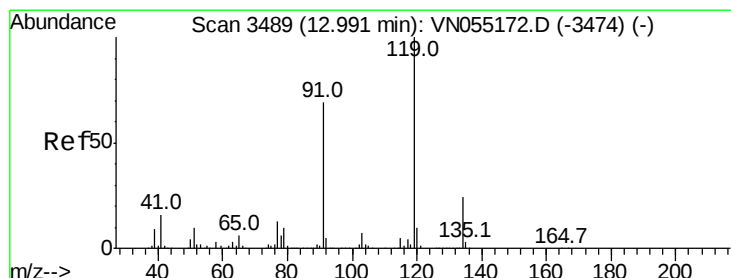
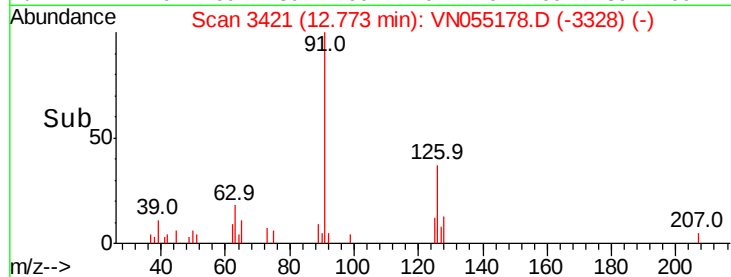
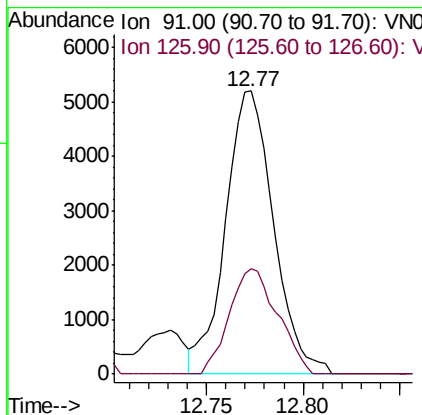
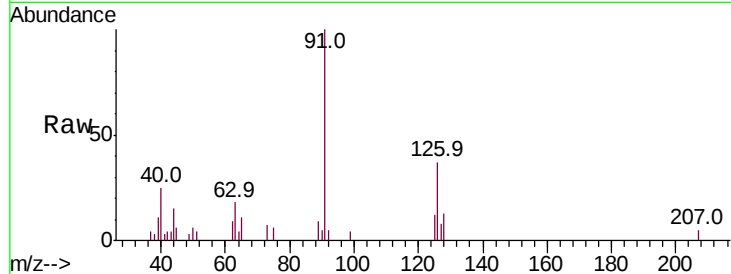
#82
4-Chlorotoluene
Concen: 1.091 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 9002
Ion Ratio Lower Upper
91 100
126 37.2 16.5 49.5

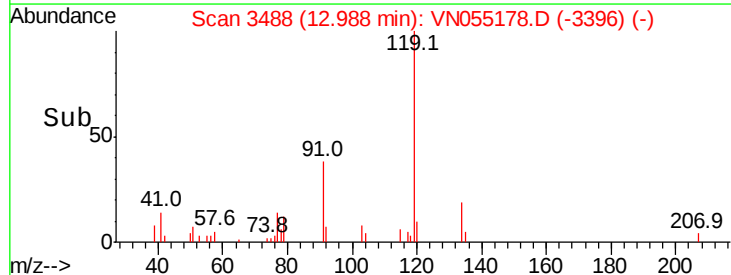
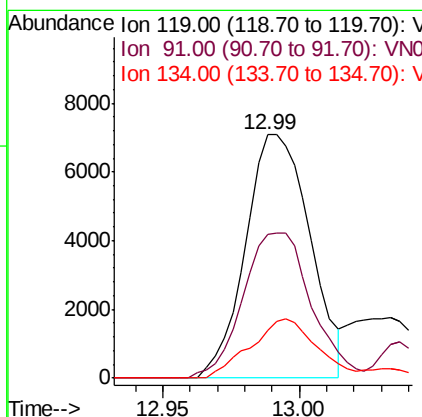
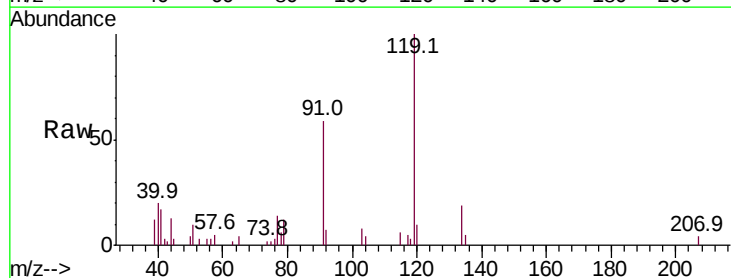
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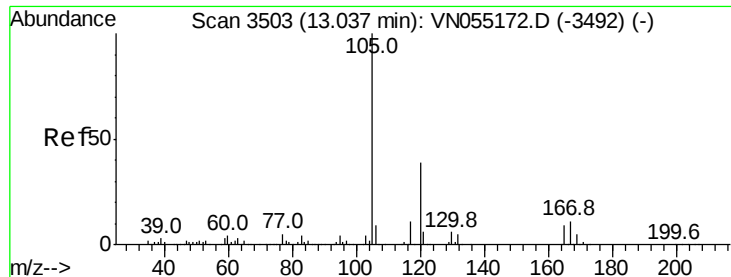
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#83
tert-Butylbenzene
Concen: 1.225 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 119 Resp: 11616
Ion Ratio Lower Upper
119 100
91 63.2 33.8 101.3
134 24.9 13.2 39.5





#84

1,2,4-Trimethylbenzene

Concen: 1.050 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 10507

Ion Ratio Lower Upper

105 100

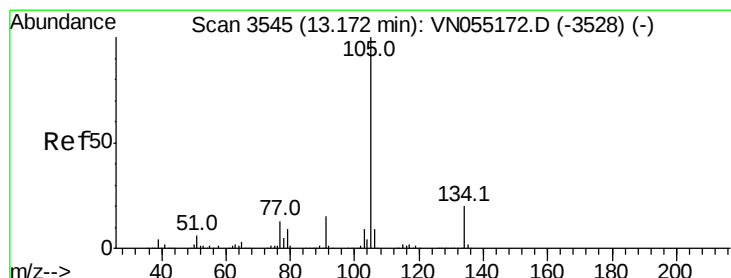
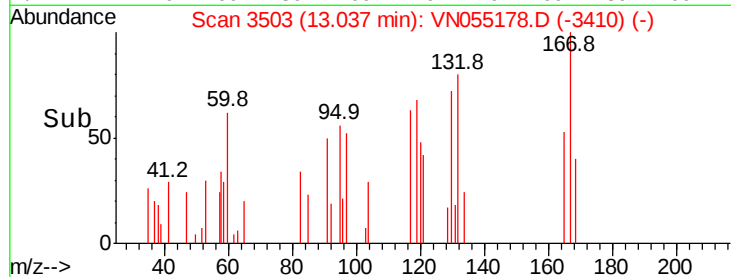
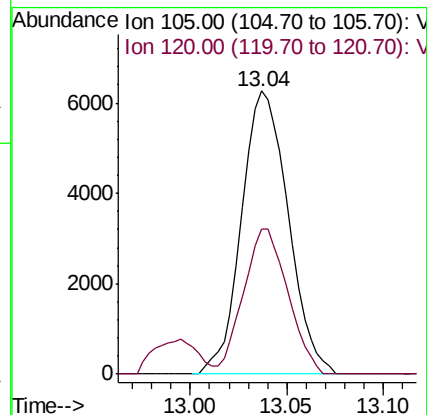
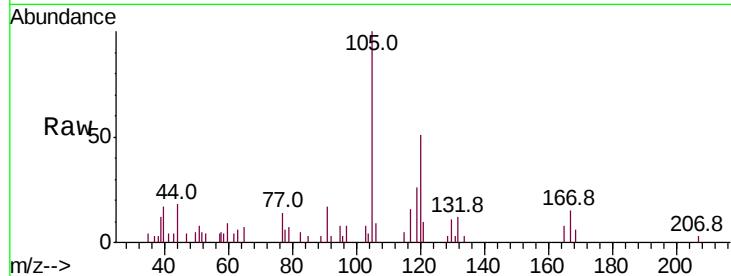
120 49.0 22.7 68.1

Manual Integrations

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#85

sec-Butylbenzene

Concen: 1.229 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055178.D

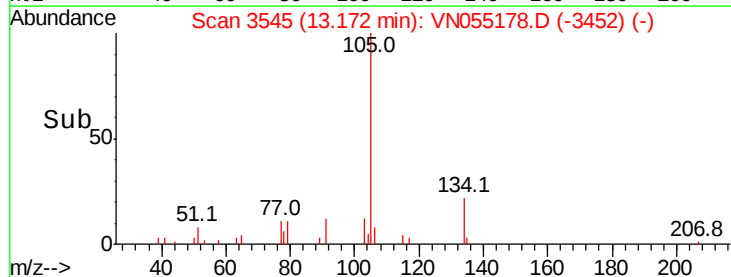
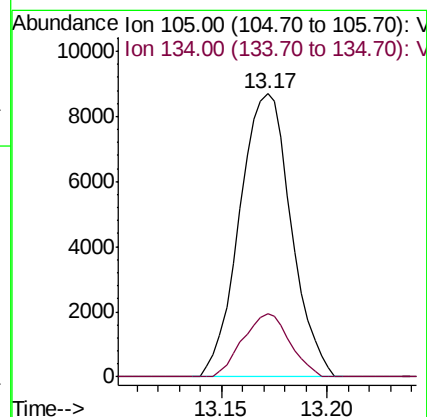
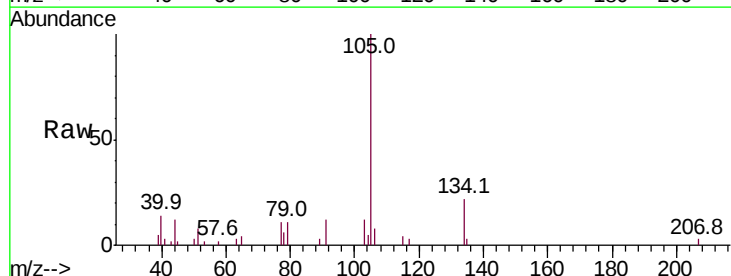
Acq: 22 Apr 2019 13:13

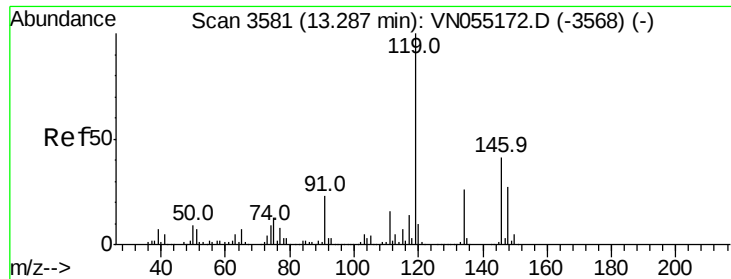
Tgt Ion:105 Resp: 14747

Ion Ratio Lower Upper

105 100

134 20.4 10.0 30.0





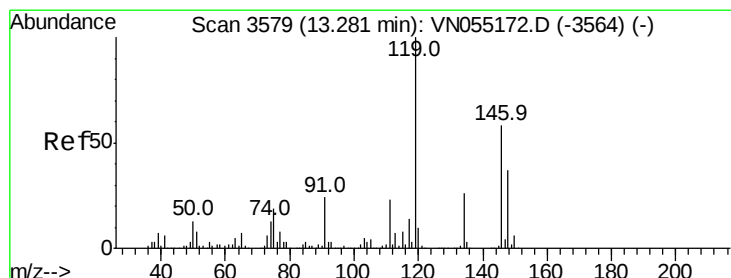
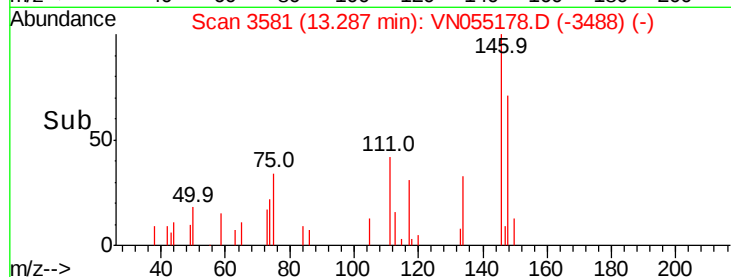
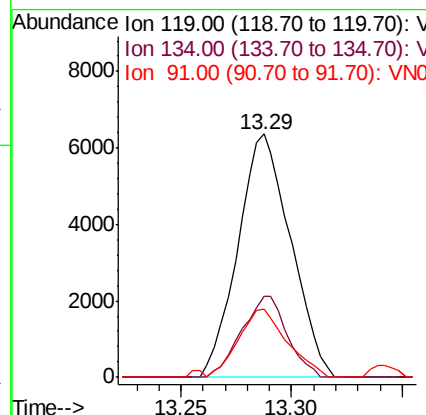
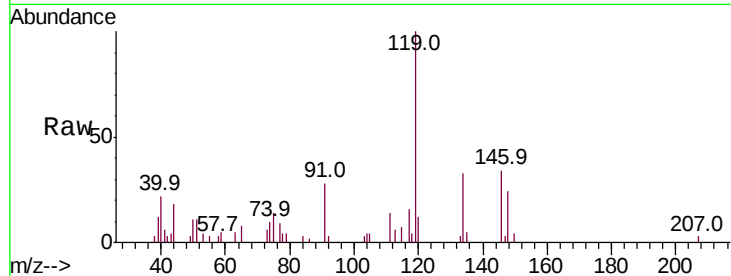
#86
 p-Isopropyltoluene
 Concen: 1.069 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10562		
134	28.7		13.1	39.3
91	26.0		11.8	35.3

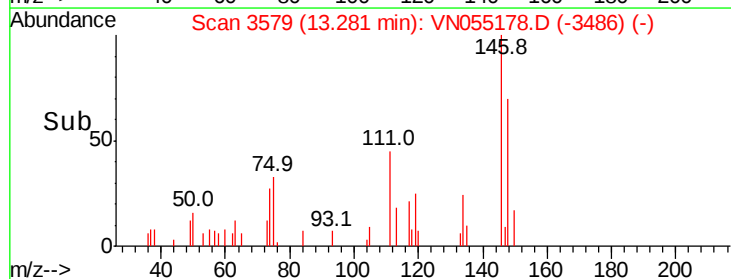
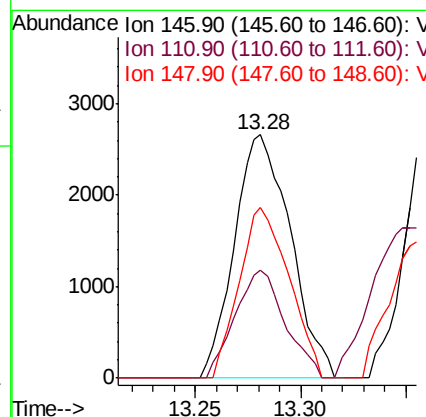
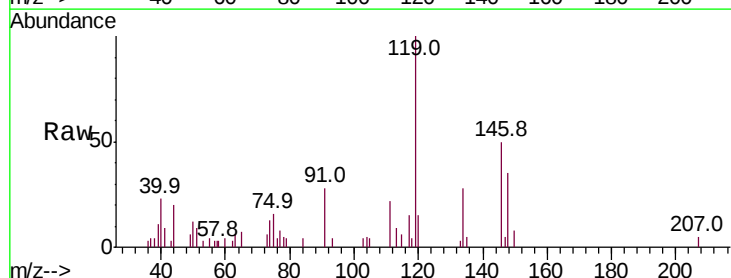
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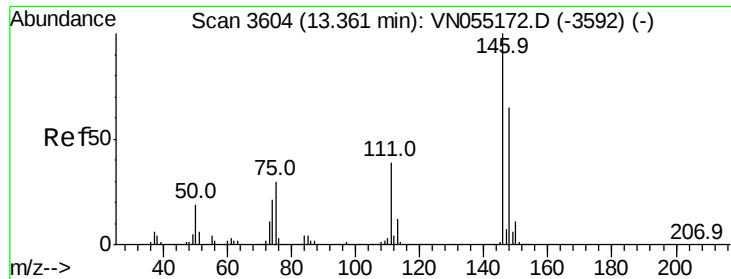
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#87
 1,3-Dichlorobenzene
 Concen: 1.021 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	4900		
111	39.6		19.7	59.1
148	62.4		32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 1.140 ug/l m

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

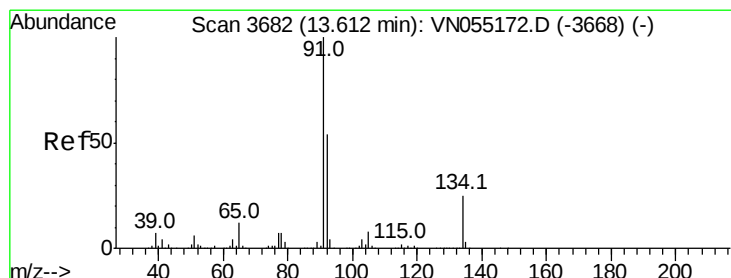
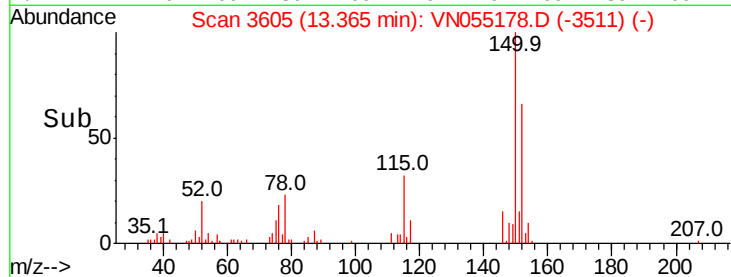
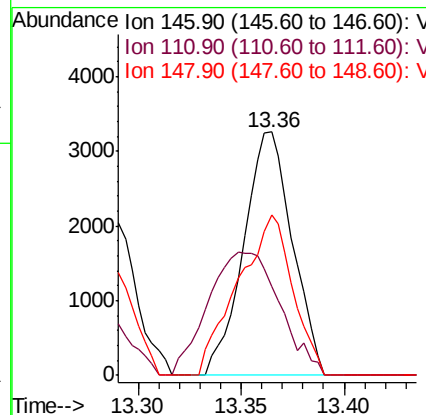
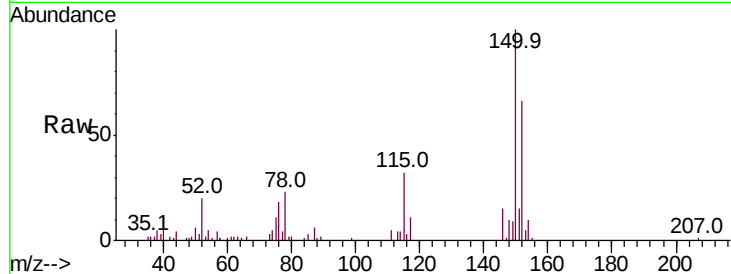
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	5328
Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.4	58.2
148	57.4	32.9	98.6

Manual Integrations
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#89

n-Butylbenzene

Concen: 1.000 ug/l

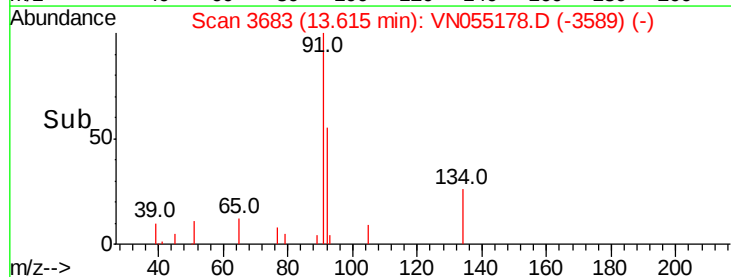
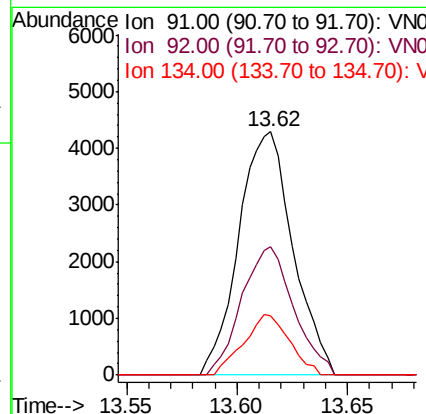
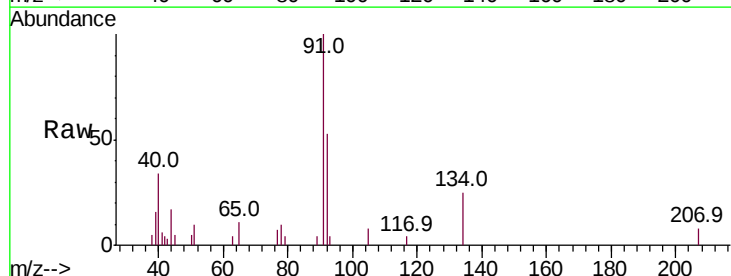
RT: 13.62 min Scan# 3683

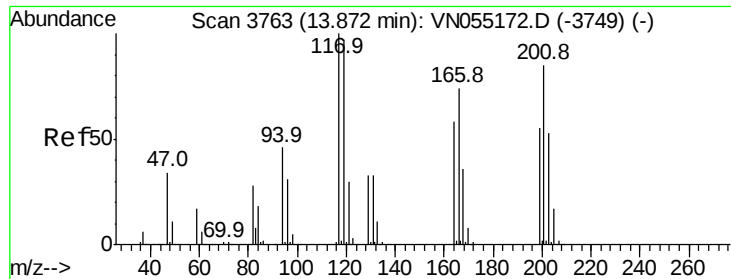
Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion:	91	Resp:	7327
Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.4	79.2
134	21.1	12.8	38.4





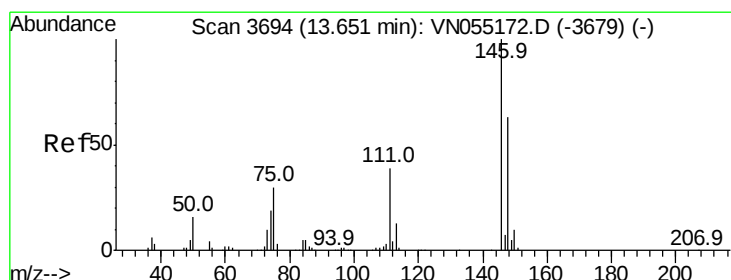
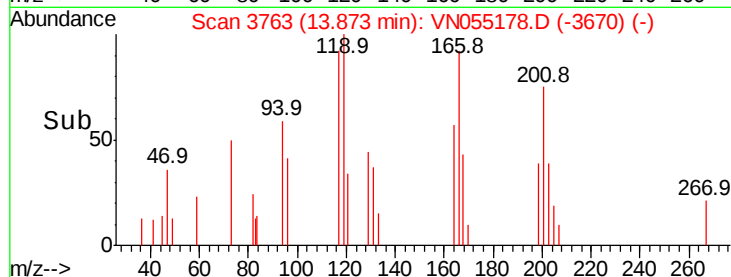
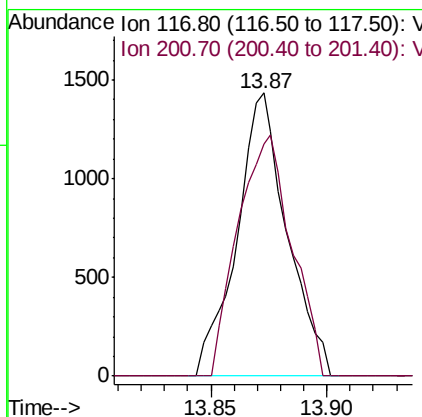
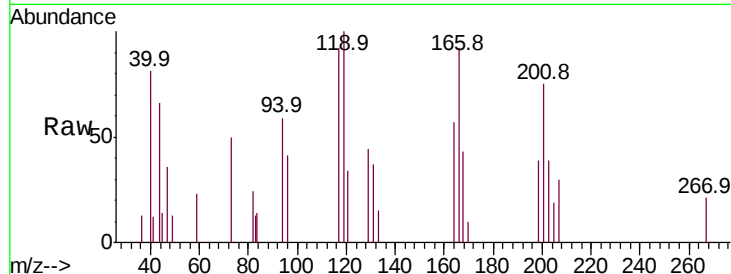
#90
Hexachloroethane
Concen: 1.234 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2163
Ion Ratio Lower Upper
117 100
201 91.3 43.1 129.4

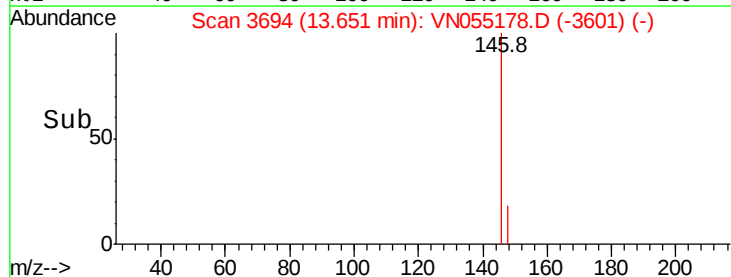
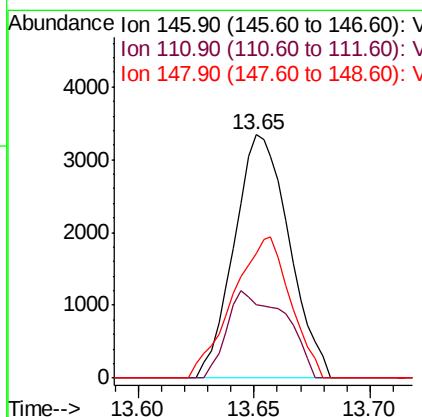
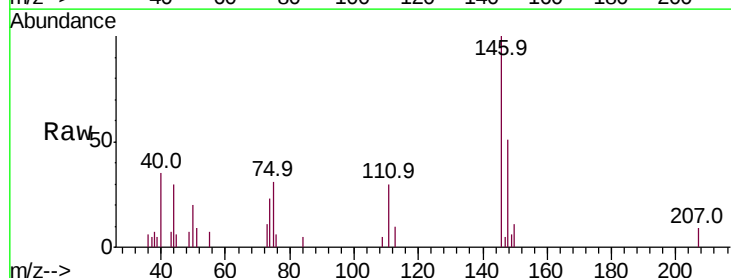
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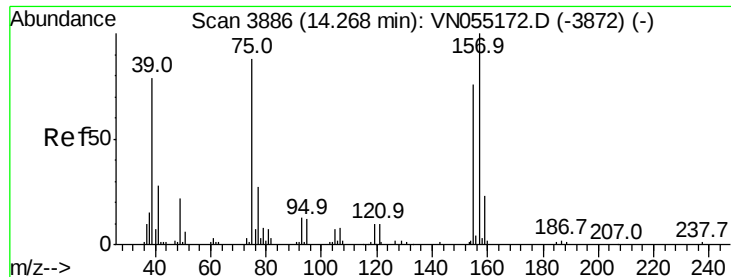
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#91
1,2-Dichlorobenzene
Concen: 1.117 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion:146 Resp: 5506
Ion Ratio Lower Upper
146 100
111 37.8 19.8 59.3
148 60.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.174 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

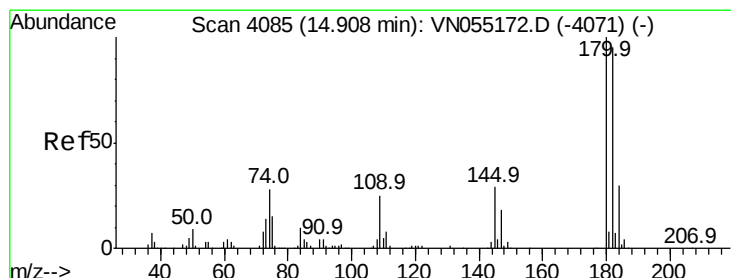
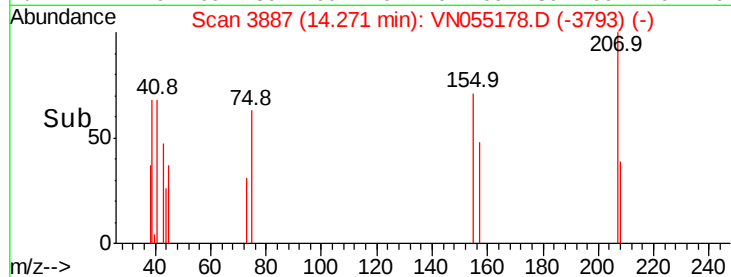
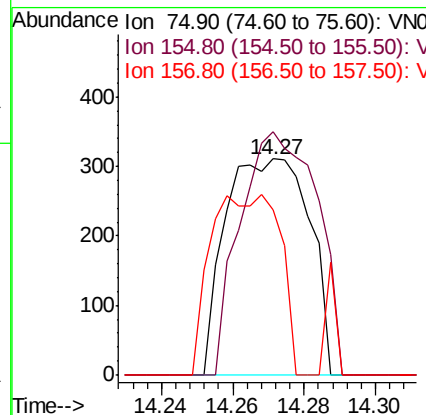
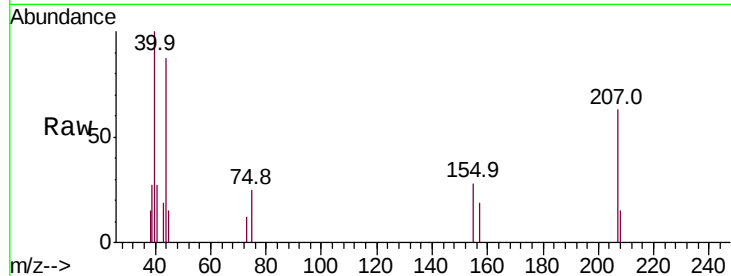
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	103.0	43.0	129.0
157	68.9	55.7	167.1

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#93

1,2,4-Trichlorobenzene

Concen: 1.028 ug/l

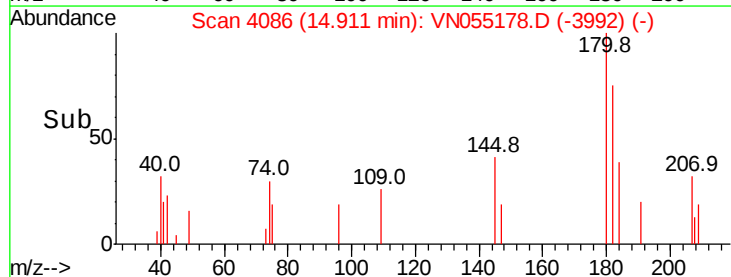
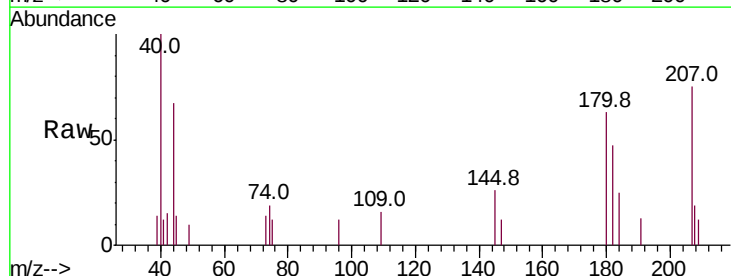
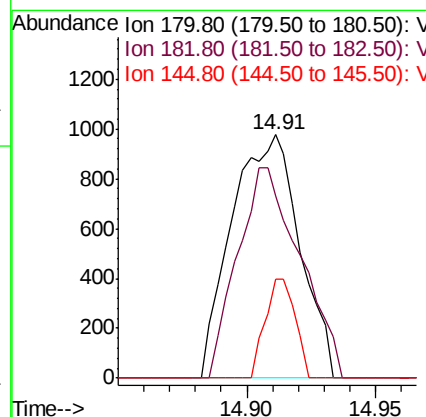
RT: 14.91 min Scan# 4086

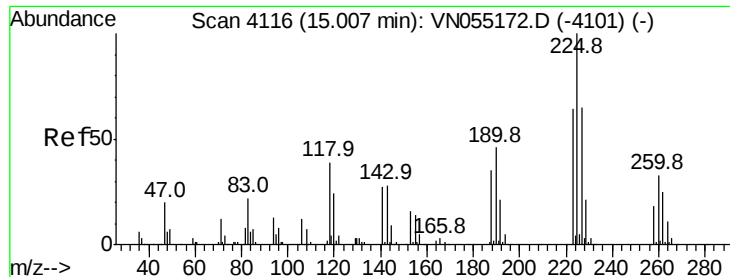
Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.9	47.8	143.4
145	18.2	14.5	43.5





#94

Hexachlorobutadiene

Concen: 1.438 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

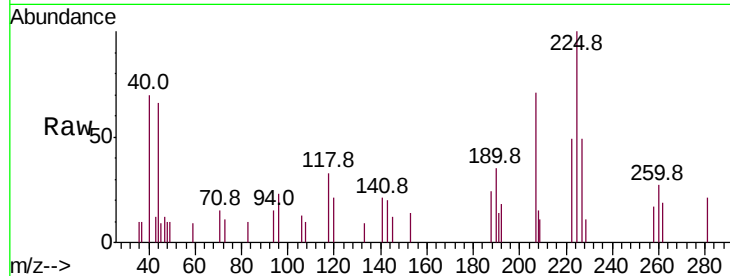
ClientSampleId :

VSTDIC001

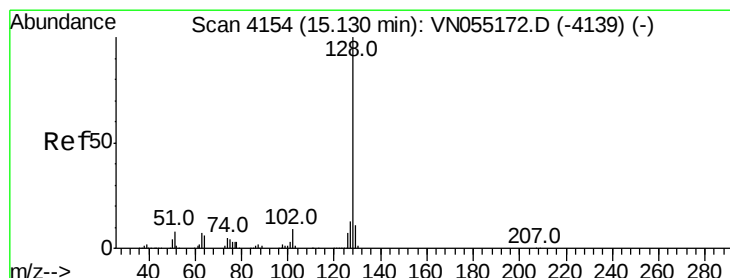
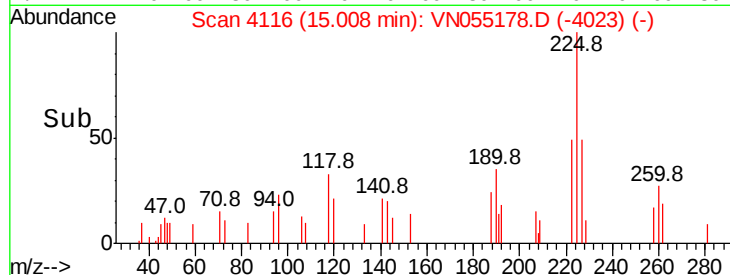
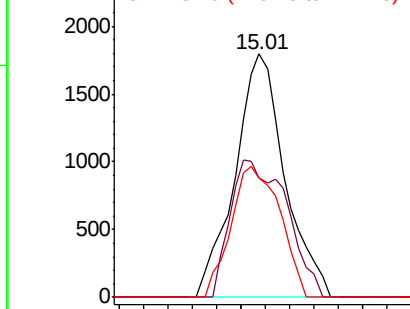
Tot Ion:	225	Resp:	2538
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.2	96.6
227	53.0	32.6	98.0

Manual Integrations
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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: 1.028 ug/l

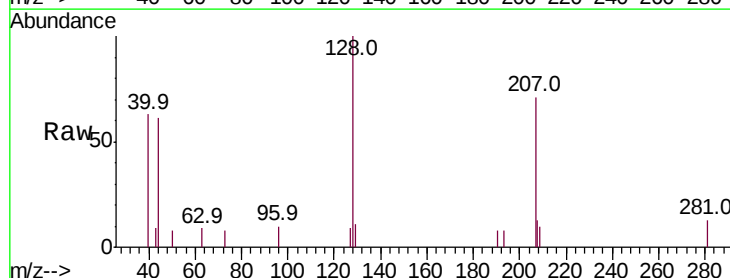
RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

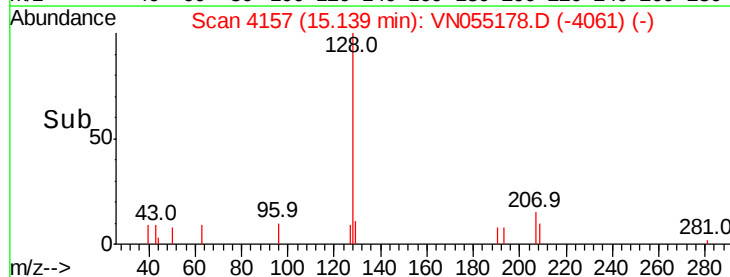
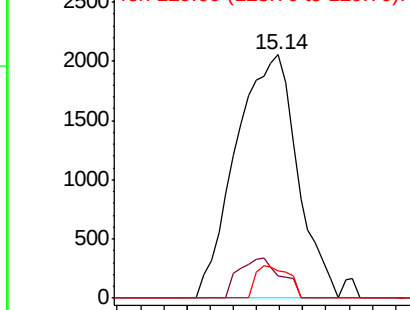
Lab File: VN055178.D

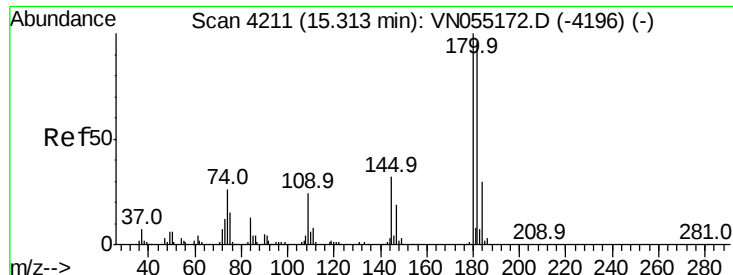
Acq: 22 Apr 2019 13:13

Tgt Ion:	128	Resp:	3778
Ion Ratio	Lower	Upper	
128	100		
127	11.2	10.3	15.5
129	7.1	8.8	13.2#



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





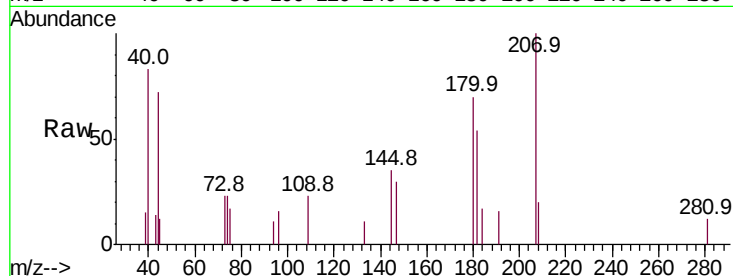
#96
 1,2,3-Trichlorobenzene
 Concen: 1.078 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	77.4	47.2	141.6	
145	22.6	15.4	46.1	

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:06 PM



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

