

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055984.D
 Acq On : 4 Jun 2019 12:19
 Operator : JC/SP
 Sample : VN0604MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:58 PM

Quant Time: Jun 04 13:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	324401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	474930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	420651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	163044	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.59	113	145705	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.09	98	556357	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	183238	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	74255	21.042	ug/l	99
3) Chloromethane	2.06	50	77629	22.075	ug/l	100
4) Vinyl Chloride	2.18	62	77217	21.891	ug/l	100
5) Bromomethane	2.54	94	54639	24.521	ug/l	99
6) Chloroethane	2.69	64	44684	21.848	ug/l	97
7) Trichlorofluoromethane	3.01	101	95075	21.113	ug/l	97
8) Diethyl Ether	3.40	74	39082	21.104	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58112	21.244	ug/l	99
10) Methyl Iodide	3.94	142	80372	18.489	ug/l	99
11) Tert butyl alcohol	4.81	59	57393	102.391	ug/l	100
12) 1,1-Dichloroethene	3.72	96	57212	21.008	ug/l	96
13) Acrolein	3.60	56	16626	102.845	ug/l	99
14) Allyl chloride	4.31	41	88699	20.627	ug/l	99
15) Acrylonitrile	4.99	53	151860	111.295	ug/l	100
16) Acetone	3.82	43	154691	100.415	ug/l	99
17) Carbon Disulfide	4.04	76	133841	20.526	ug/l	97
18) Methyl Acetate	4.33	43	66812	21.753	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	181781	20.941	ug/l	98
20) Methylene Chloride	4.54	84	66821	21.054	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	61805	21.181	ug/l	98
22) Diisopropyl ether	5.95	45	181676	20.438	ug/l	99
23) Vinyl Acetate	5.90	43	751757	107.390	ug/l	100
24) 1,1-Dichloroethane	5.84	63	107775	21.018	ug/l	100
25) 2-Butanone	6.84	43	210541	108.170	ug/l	99
26) 2,2-Dichloropropane	6.82	77	79775	19.938	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	70199	20.467	ug/l	98
28) Bromochloromethane	7.19	49	47723	19.681	ug/l	97
29) Tetrahydrofuran	7.22	42	132556	110.175	ug/l	99
30) Chloroform	7.37	83	107438	20.828	ug/l	99
31) Cyclohexane	7.65	56	105087	20.561	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	89505	20.779	ug/l	100
36) 1,1-Dichloropropene	7.79	75	79785	19.537	ug/l	99
37) Ethyl Acetate	6.93	43	82800	22.788	ug/l	98
38) Carbon Tetrachloride	7.77	117	75963	20.176	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	103283	20.303	ug/l	97
40) Benzene	8.04	78	257681	20.775	ug/l	99
41) Methacrylonitrile	7.17	41	30250	18.095	ug/l #	78
42) 1,2-Dichloroethane	8.12	62	80011	20.054	ug/l	99
43) Isopropyl Acetate	8.17	43	122632	20.827	ug/l #	93
44) Trichloroethene	8.83	130	71177	19.971	ug/l	97
45) 1,2-Dichloropropane	9.12	63	65030	20.469	ug/l	98
46) Dibromomethane	9.21	93	42997	20.696	ug/l	98
47) Bromodichloromethane	9.40	83	76161	20.227	ug/l	97
48) Methyl methacrylate	9.20	41	60997	21.175	ug/l	97
49) 1,4-Dioxane	9.20	88	25637	412.246	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	387741	105.305	ug/l	100
52) Toluene	10.15	92	161542	20.930	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	77165	19.039	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	93958	20.760	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	62945	20.589	ug/l	97
56) Ethyl methacrylate	10.43	69	92676	20.779	ug/l	99
57) 1,3-Dichloropropane	10.71	76	101482	20.419	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	160565	100.269	ug/l	99
59) 2-Hexanone	10.75	43	278265	104.270	ug/l	100
60) Dibromochloromethane	10.90	129	58581	18.973	ug/l	97
61) 1,2-Dibromoethane	11.00	107	64712	20.705	ug/l	97
64) Tetrachloroethene	10.63	164	72736	19.976	ug/l	99
65) Chlorobenzene	11.43	112	171147	20.443	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59261	20.501	ug/l	100
67) Ethyl Benzene	11.51	91	297869	20.462	ug/l	99
68) m/p-Xylenes	11.62	106	228339	41.061	ug/l	99
69) o-Xylene	11.95	106	111969	20.469	ug/l	100
70) Styrene	11.96	104	176607	20.320	ug/l	98
71) Bromoform	12.13	173	40854	18.653	ug/l #	100
73) Isopropylbenzene	12.25	105	297196	22.601	ug/l	100
74) N-amyl acetate	12.07	43	99900	21.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	87443	21.616	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	70541m	22.000	ug/l	
77) Bromobenzene	12.53	156	76244	20.436	ug/l	98
78) n-propylbenzene	12.59	91	307042	20.828	ug/l	100
79) 2-Chlorotoluene	12.67	91	192483	22.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	243158	20.754	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18956	19.688	ug/l #	85
82) 4-Chlorotoluene	12.77	91	177799	20.615	ug/l	99
83) tert-Butylbenzene	12.99	119	212422	21.830	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	237101	21.340	ug/l	100
85) sec-Butylbenzene	13.17	105	270127	20.691	ug/l	100
86) p-Isopropyltoluene	13.29	119	243437	20.835	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119521	20.699	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112221	20.204	ug/l	99
89) n-Butylbenzene	13.61	91	173823	20.083	ug/l	99
90) Hexachloroethane	13.87	117	35630	20.221	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	119464	20.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12278	21.220	ug/l	96

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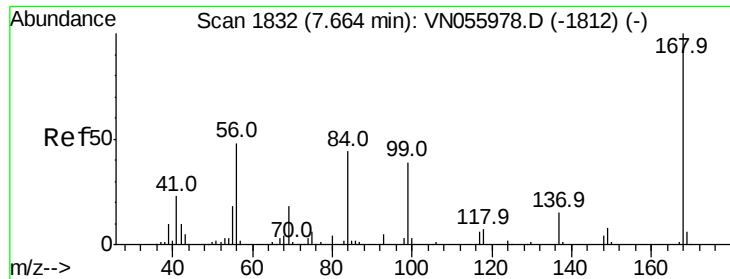
Manual Integrations
APPROVED

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6/5/2019 4:03:58 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48785	18.159	ug/l	100
94) Hexachlorobutadiene	15.01	225	45337	21.485	ug/l	100
95) Naphthalene	15.13	128	132823	18.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56001	19.099	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion:168 Resp: 324401

Ion Ratio Lower Upper

168 100

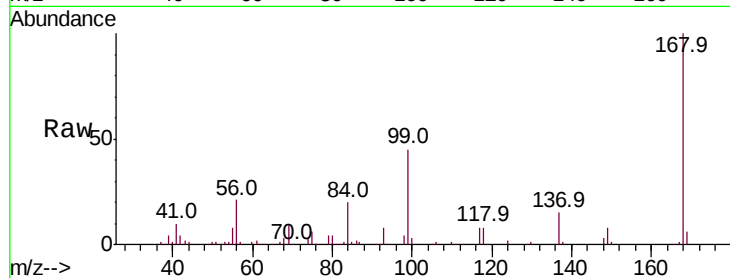
99 44.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

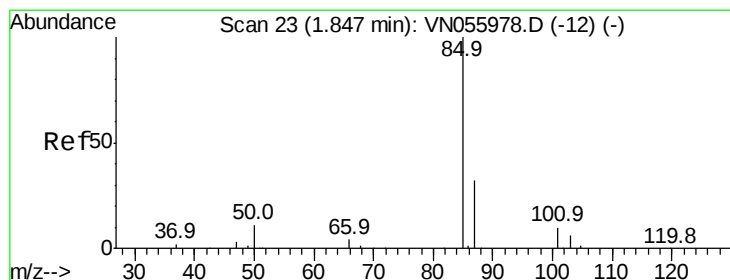
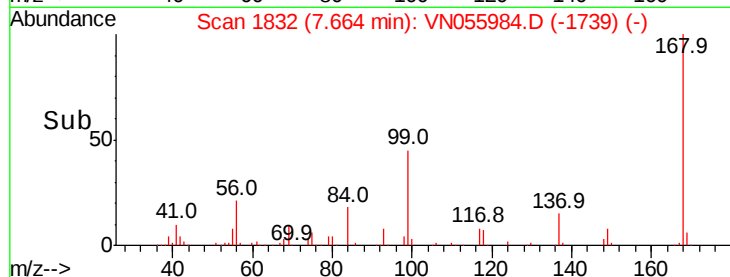
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.042 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055984.D

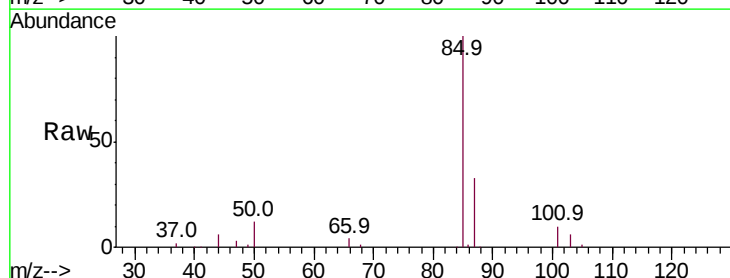
Acq: 4 Jun 2019 12:19

Tgt Ion: 85 Resp: 74255

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

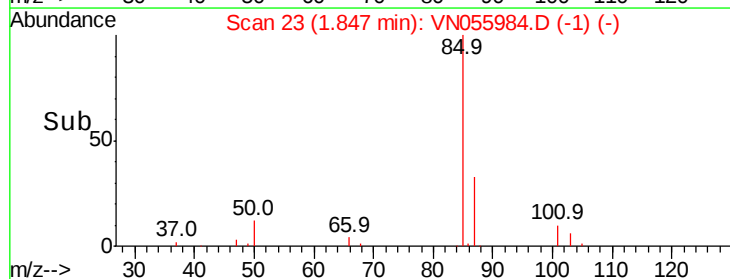
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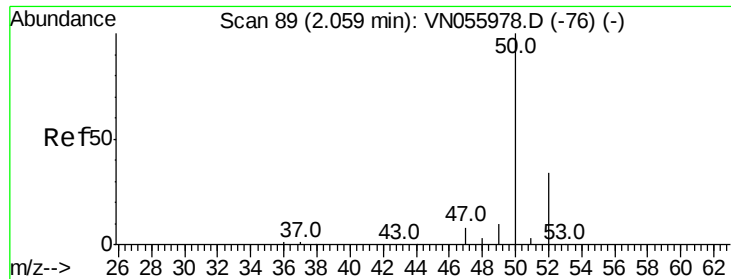
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.075 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 50 Resp: 77629

Ion Ratio Lower Upper

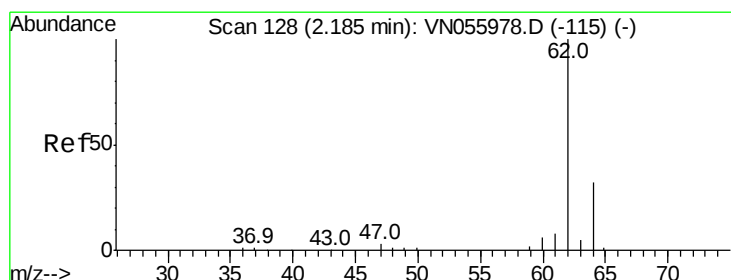
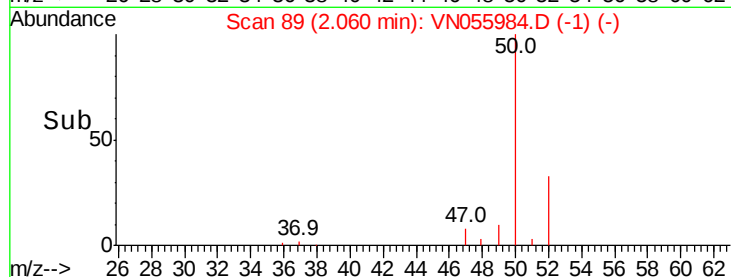
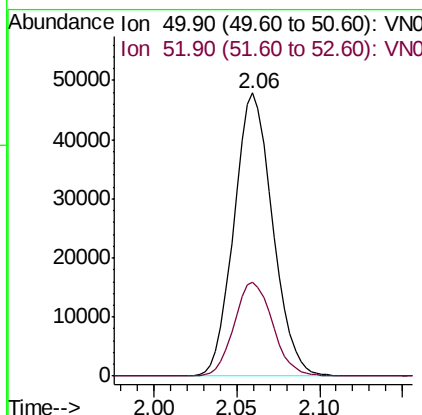
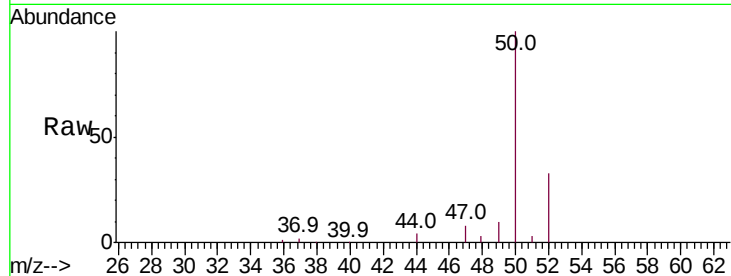
50 100

52 33.4 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.891 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055984.D

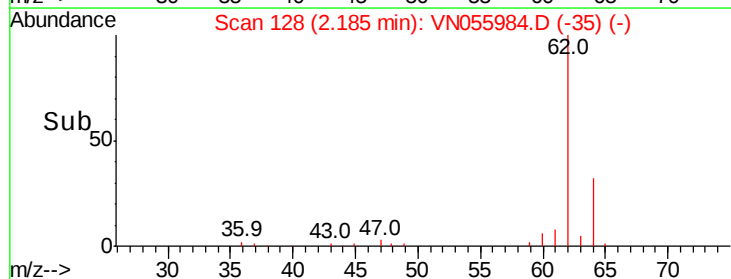
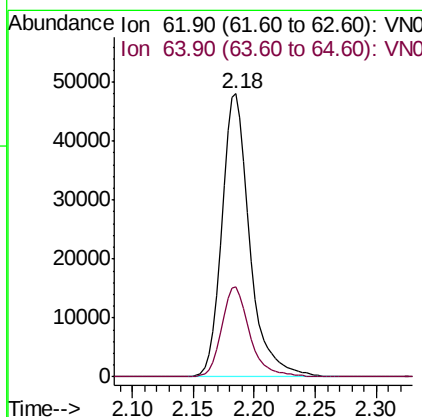
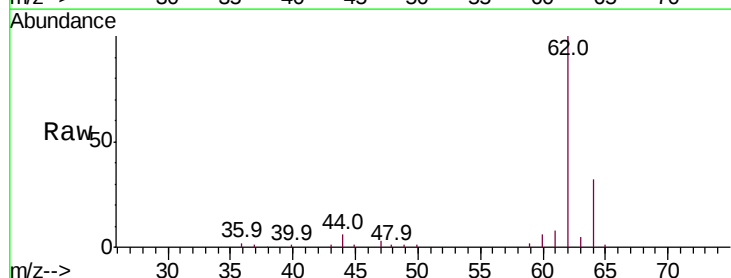
Acq: 4 Jun 2019 12:19

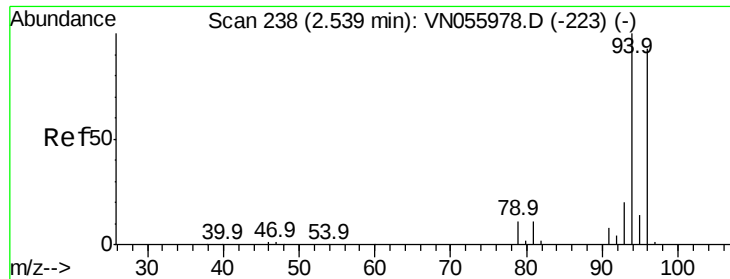
Tgt Ion: 62 Resp: 77217

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 24.521 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 94 Resp: 54639

Ion Ratio Lower Upper

94 100

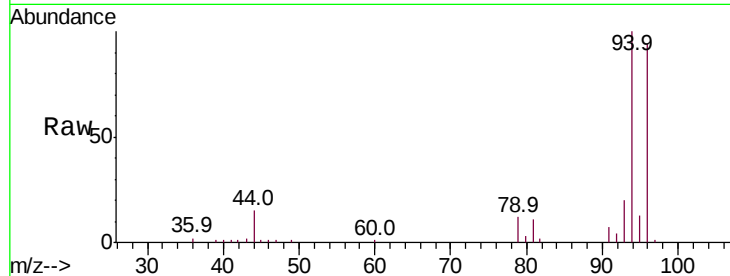
96 93.7 75.5 113.3

Manual Integrations

APPROVED

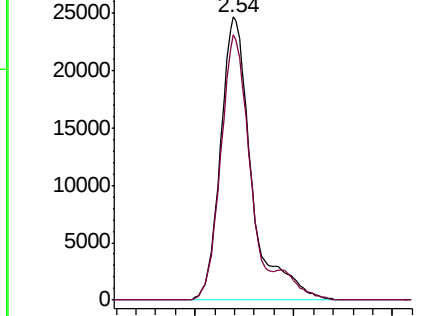
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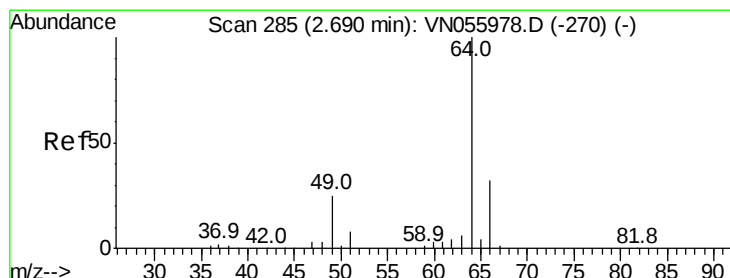
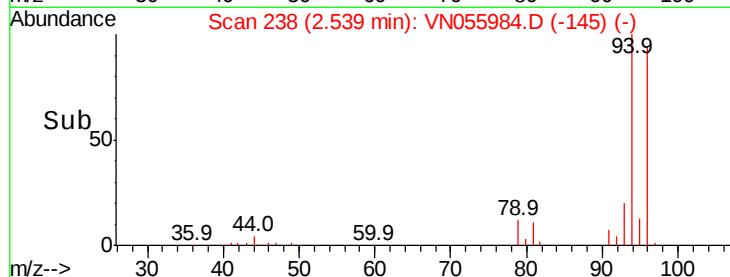


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 21.848 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN055984.D

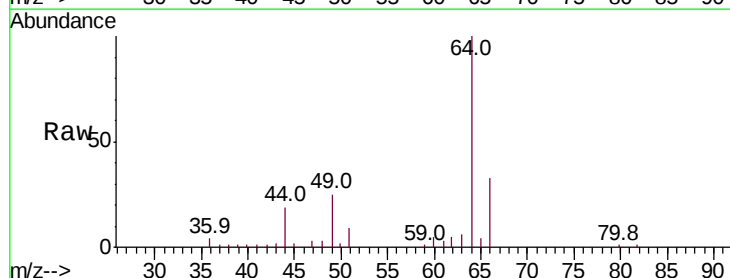
Acq: 4 Jun 2019 12:19

Tgt Ion: 64 Resp: 44684

Ion Ratio Lower Upper

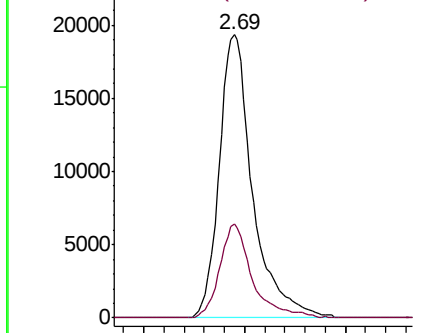
64 100

66 33.3 25.4 38.0

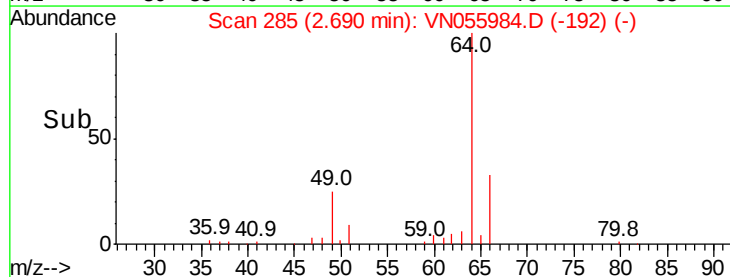


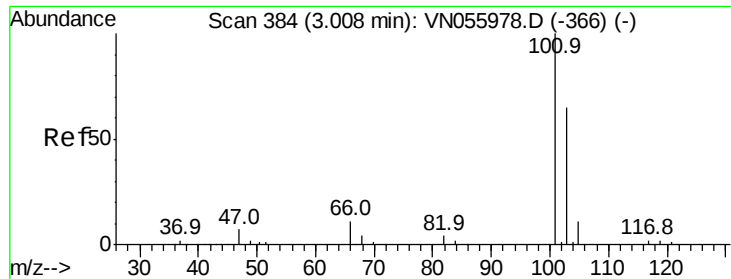
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

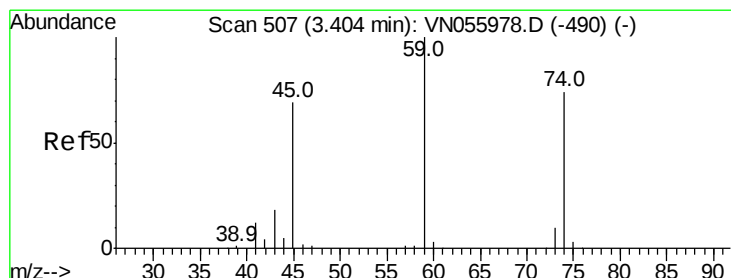
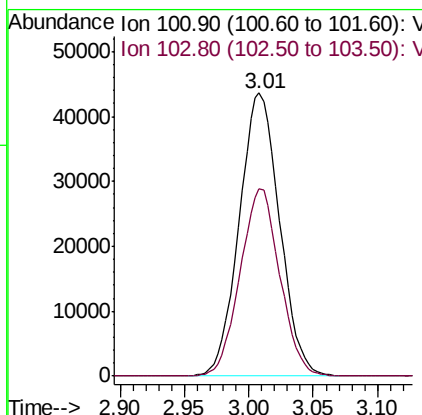
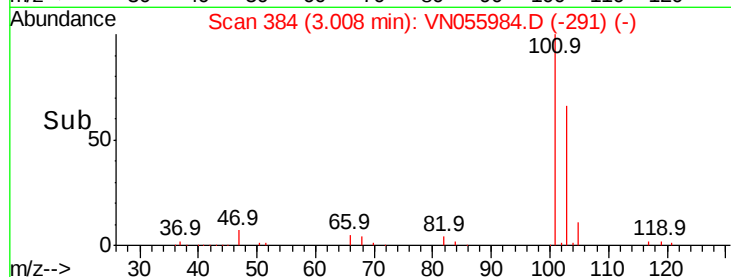
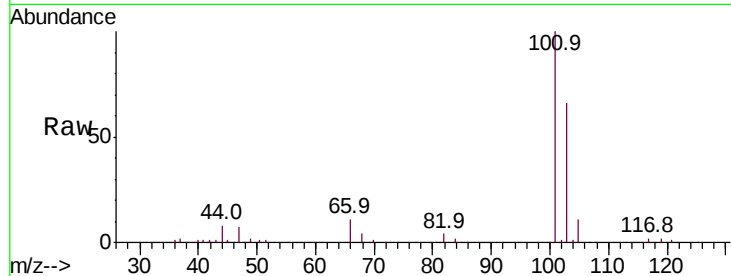
Trichlorofluoromethane
Concen: 21.113 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
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ClientSampled :
VN0604MBS01

Tot Ion:101 Resp: 95075
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8

Manual Integrations
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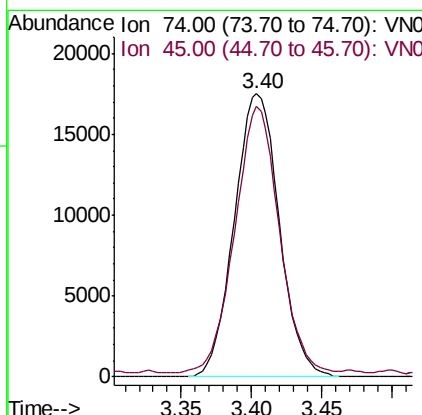
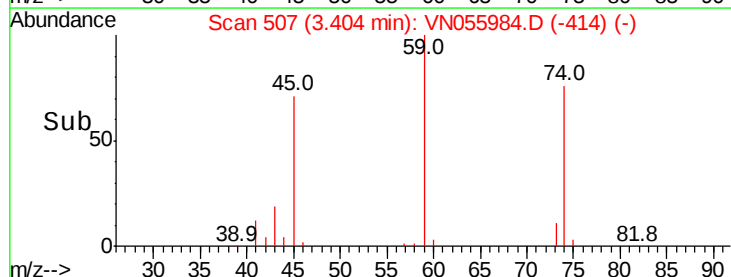
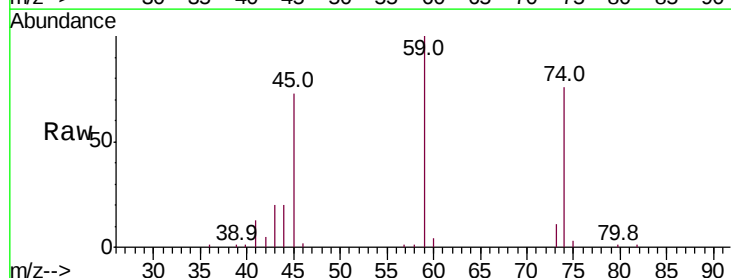
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6/5/2019 4:03:58 PM

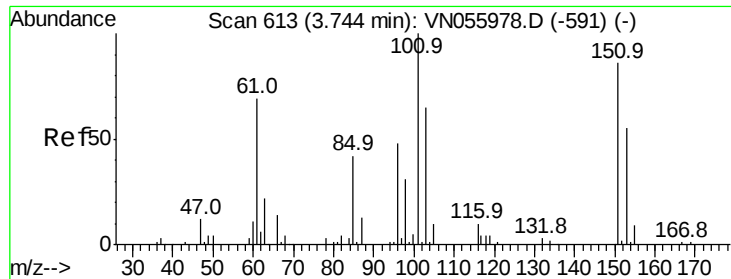


#8

Diethyl Ether
Concen: 21.104 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 74 Resp: 39082
Ion Ratio Lower Upper
74 100
45 92.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.244 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

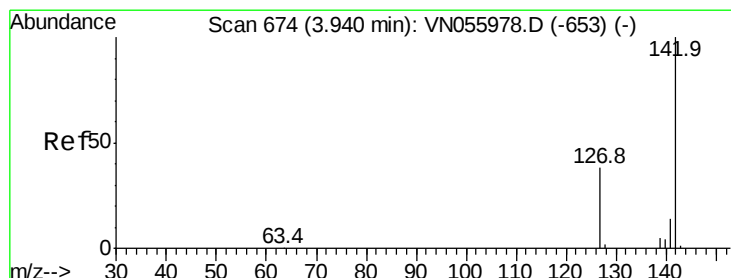
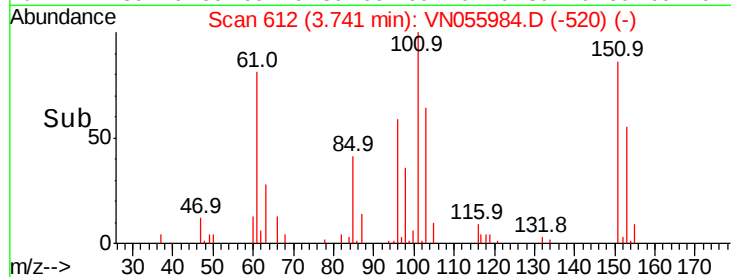
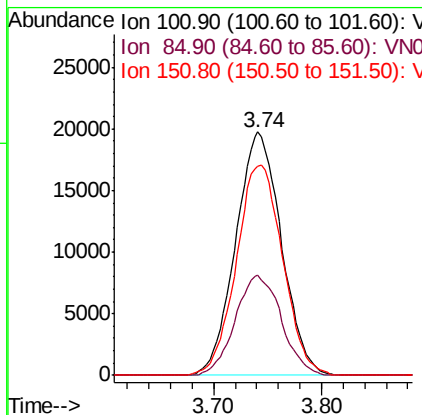
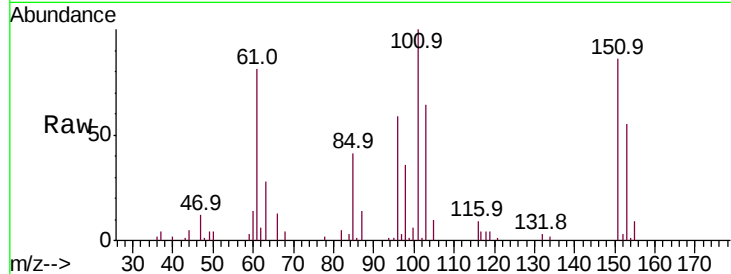
ClientSampled :

VN0604MBS01

Tot Ion:	101	Resp:	58112
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	87.9	69.4	104.2

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#10

Methyl Iodide

Concen: 18.489 ug/l

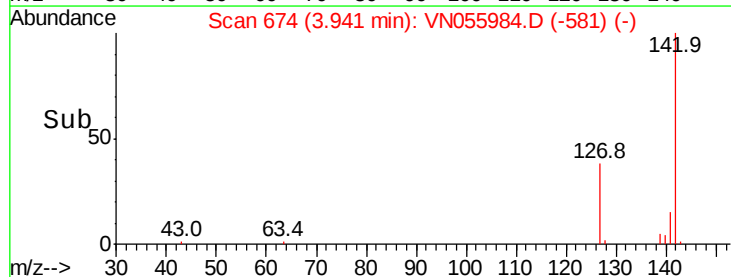
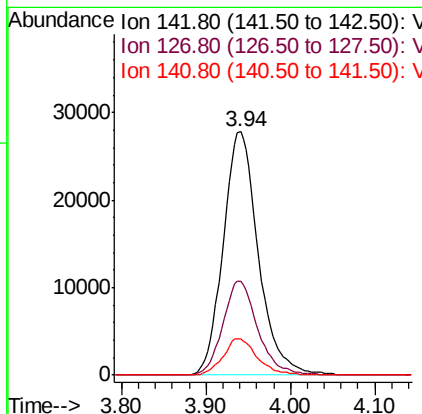
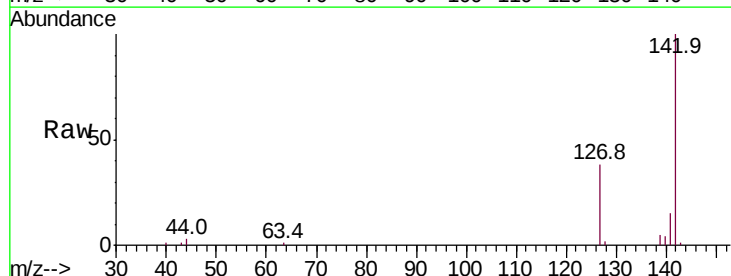
RT: 3.94 min Scan# 674

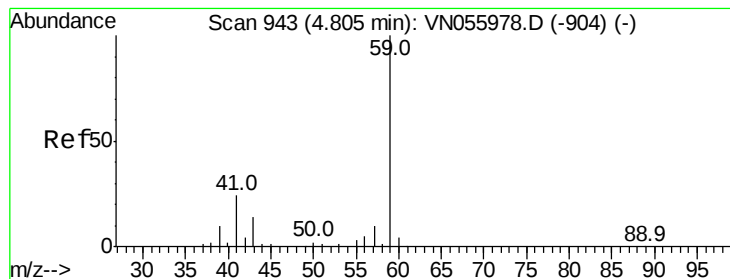
Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion:	142	Resp:	80372
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.4
141	14.4	11.4	17.0





#11

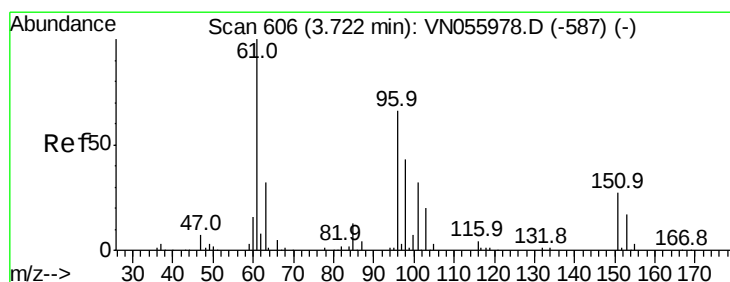
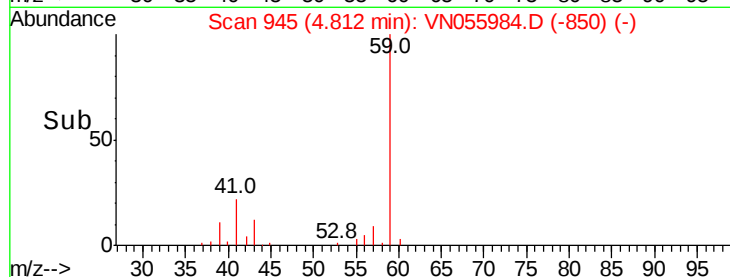
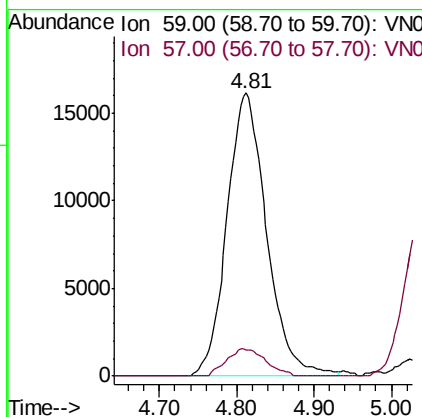
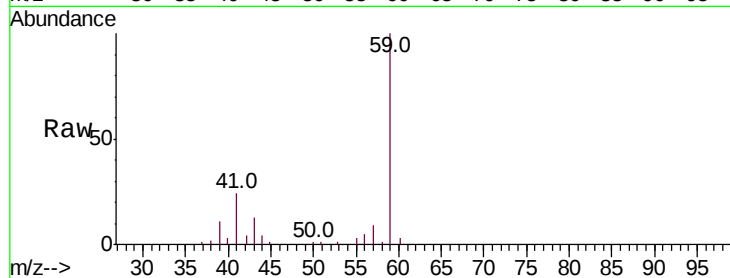
Tert butyl alcohol
 Concen: 102.391 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0604MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.6

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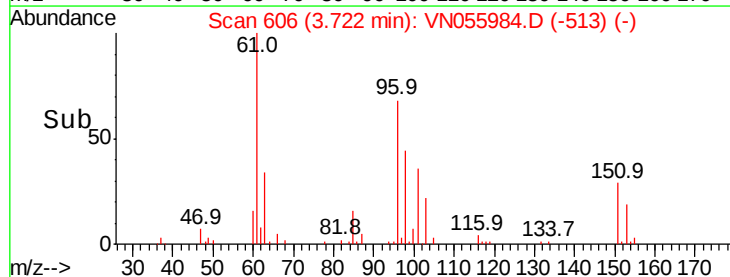
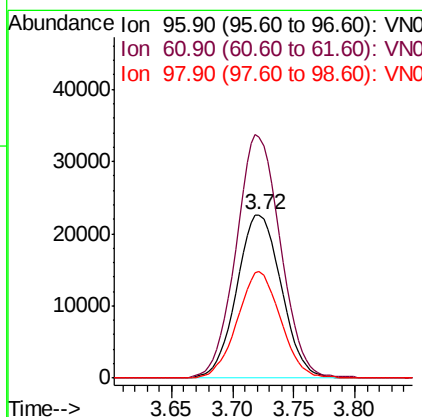
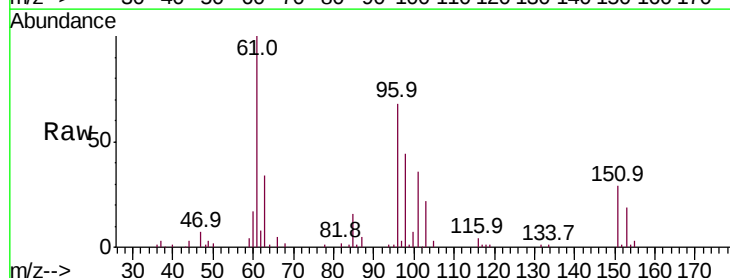
MMDadoda
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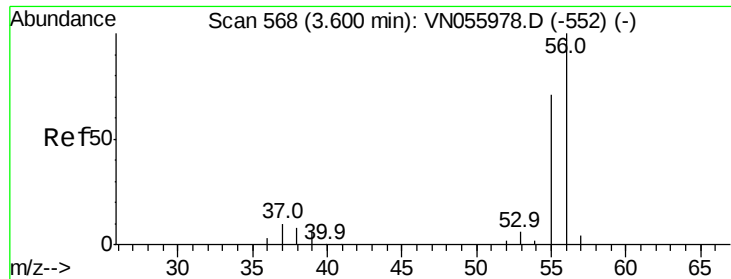


#12

1,1-Dichloroethene
 Concen: 21.008 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	123.2	184.8
98	65.4	50.4	75.6





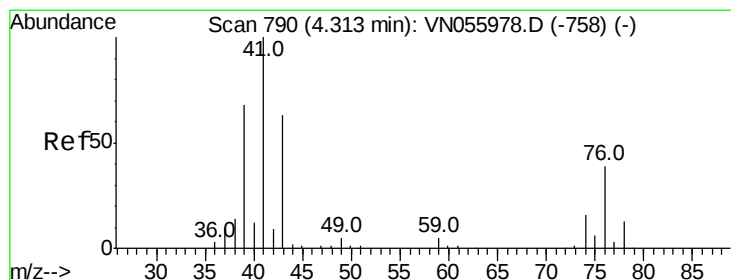
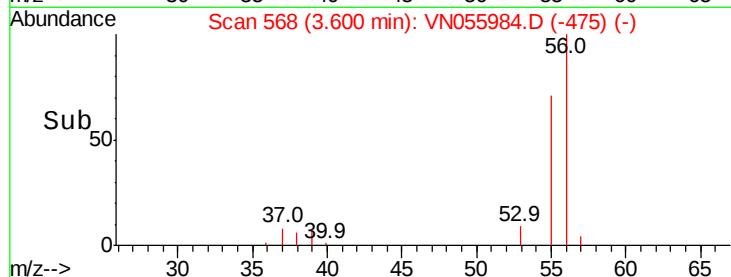
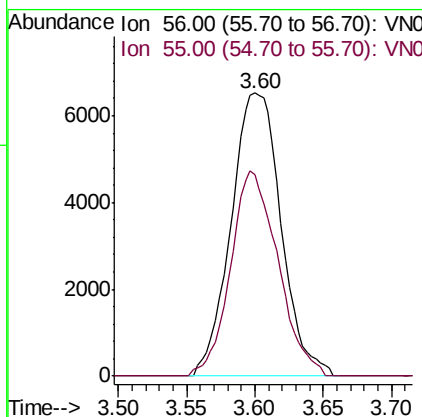
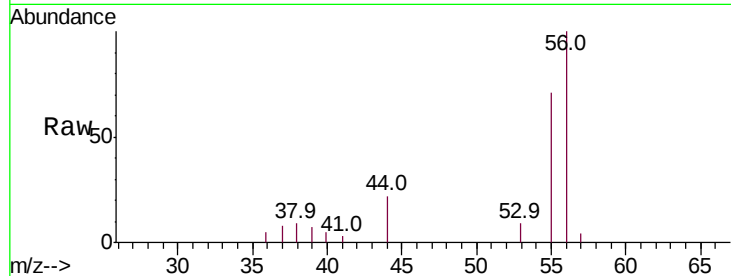
#13
Acrolein
Concen: 102.845 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion: 56 Resp: 16626
Ion Ratio Lower Upper
56 100
55 68.6 55.4 83.2

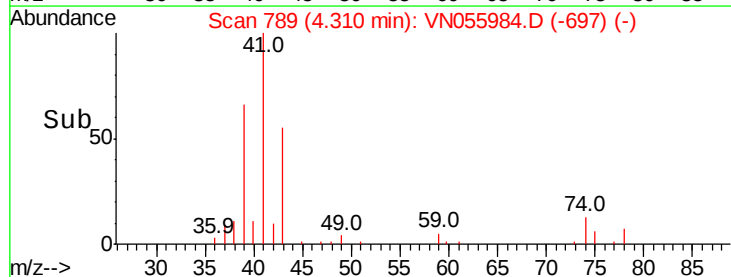
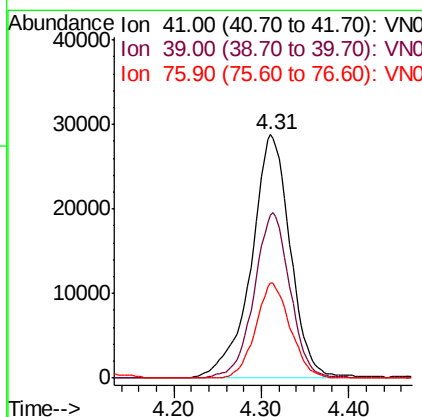
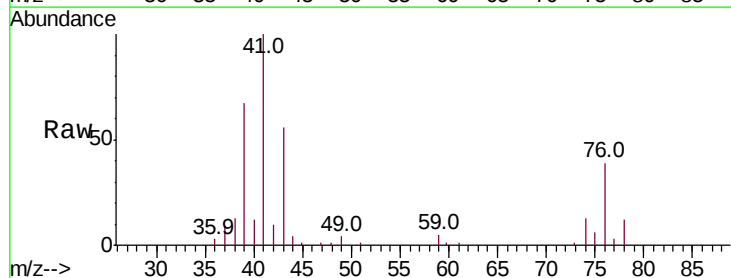
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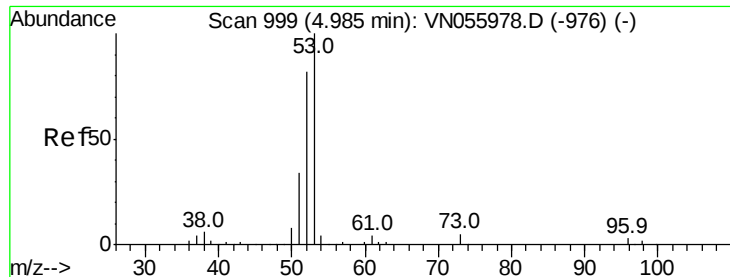
MMDadoda
6/5/2019 4:03:58 PM



#14
Allyl chloride
Concen: 20.627 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 41 Resp: 88699
Ion Ratio Lower Upper
41 100
39 62.8 50.0 75.0
76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 111.295 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

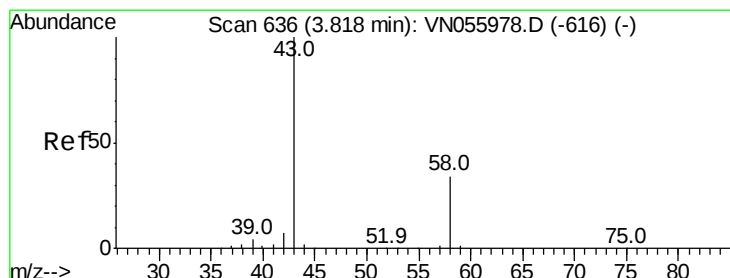
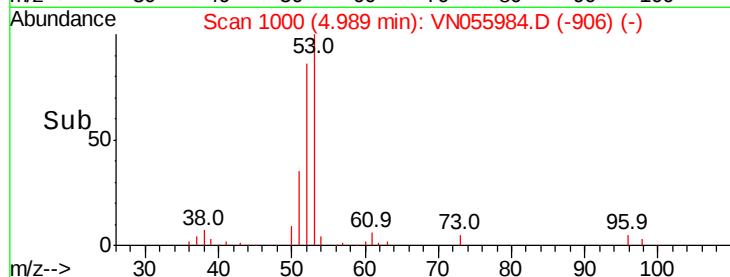
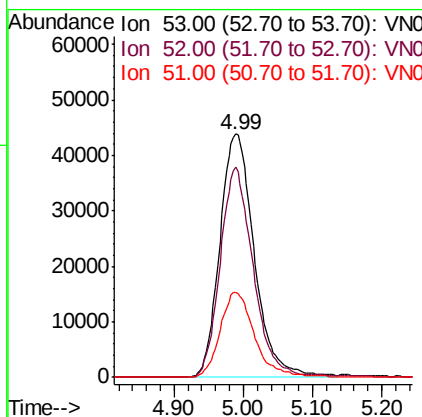
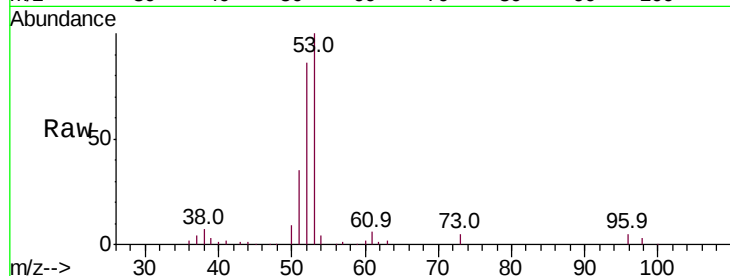
ClientSampleId :

VN0604MBS01

Tot Ion:	53	Resp:	151860
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 100.415 ug/l

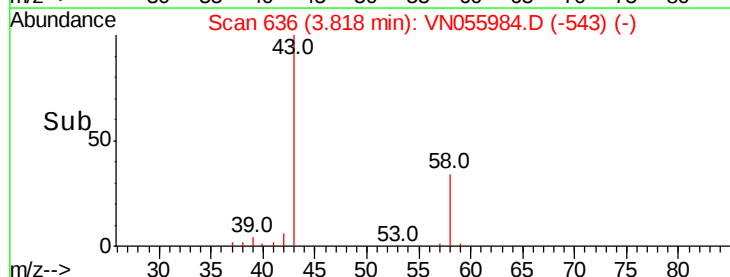
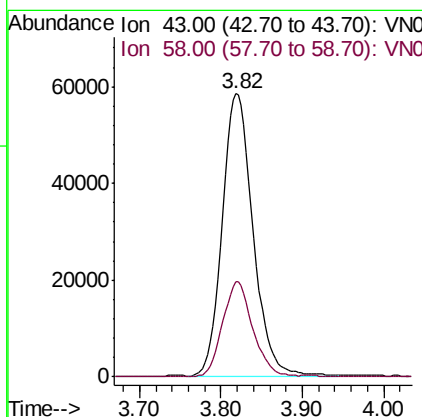
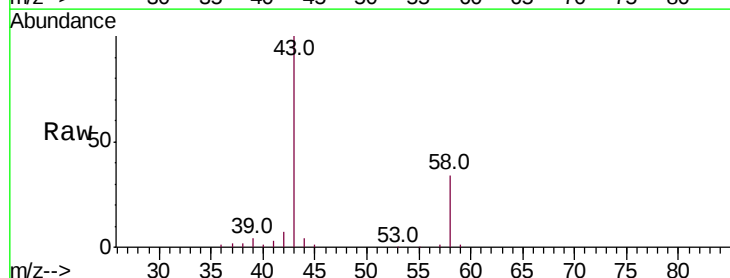
RT: 3.82 min Scan# 636

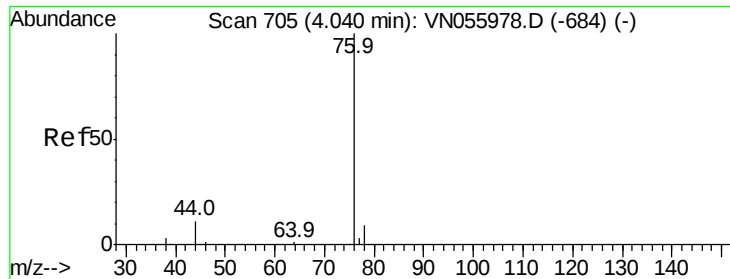
Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion:	43	Resp:	154691
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.6	39.8





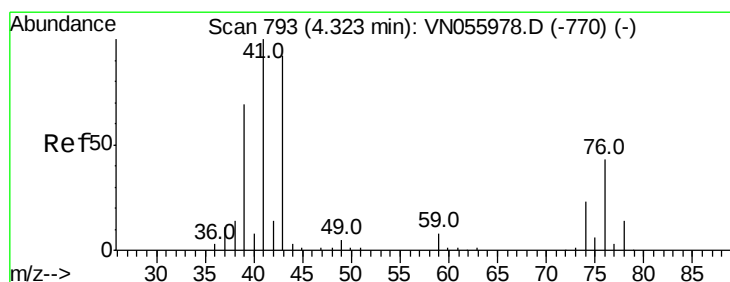
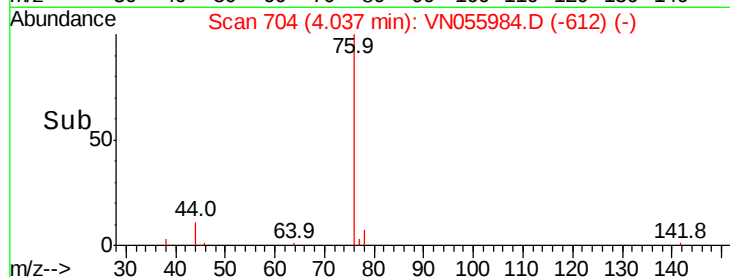
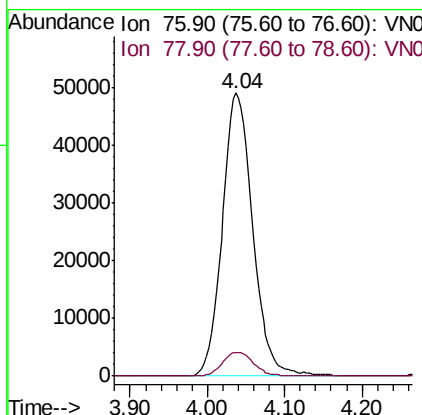
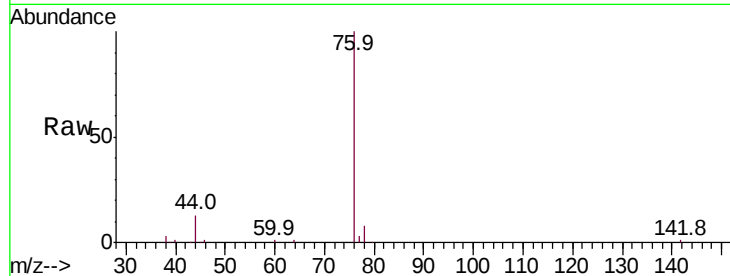
#17
Carbon Disulfide
Concen: 20.526 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion: 76 Resp: 133841
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2

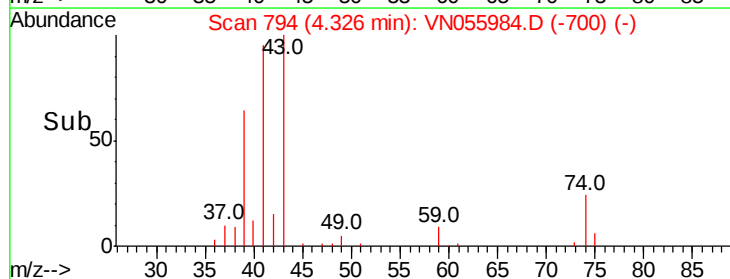
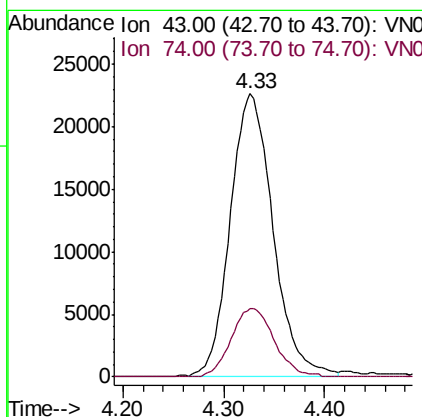
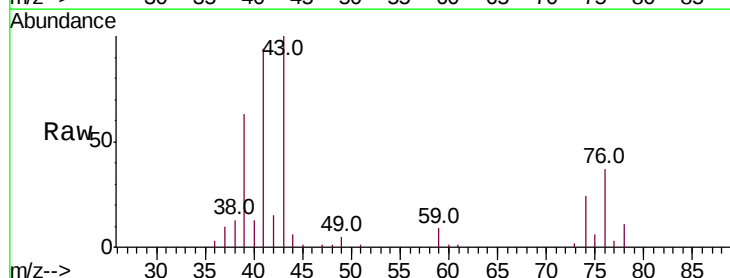
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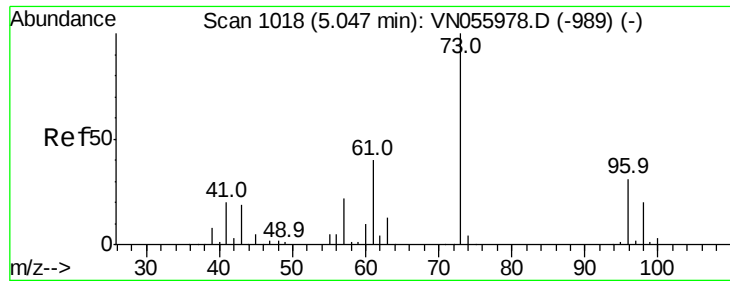
MMDadoda
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#18
Methyl Acetate
Concen: 21.753 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 43 Resp: 66812
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9





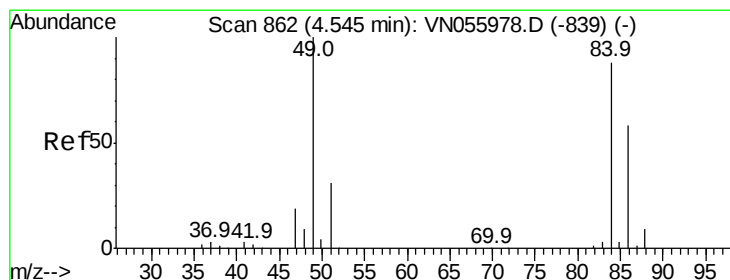
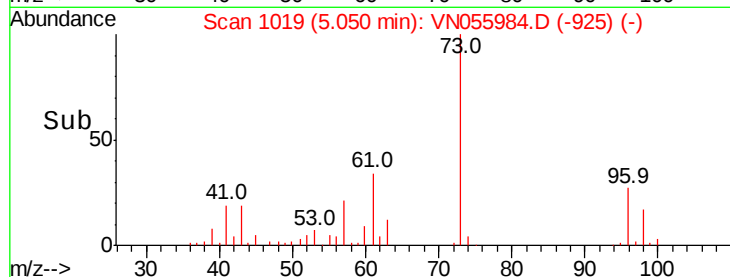
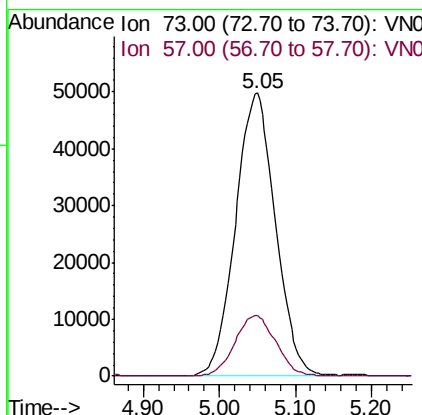
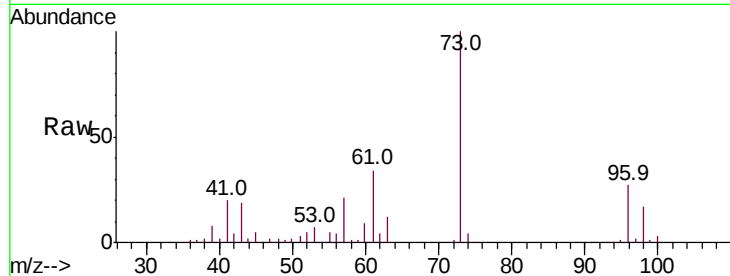
#19
Methvl tert-butvl Ether
Concen: 20.941 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampled :
VN0604MBS01

Tot Ion: 73 Resp: 181781
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

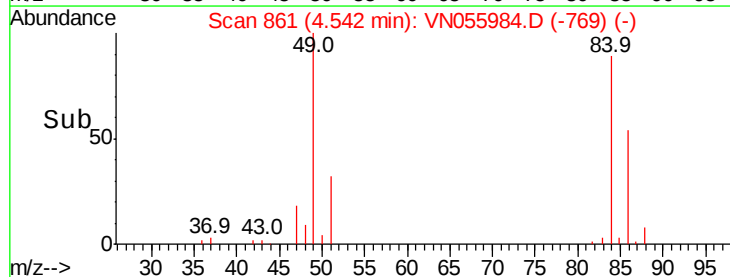
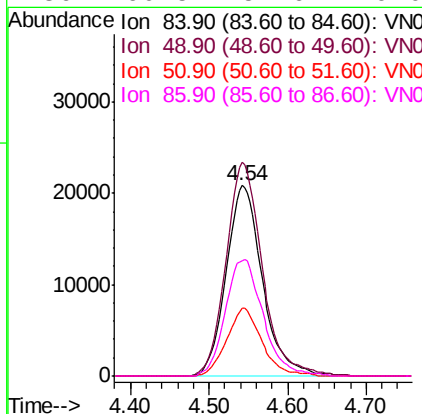
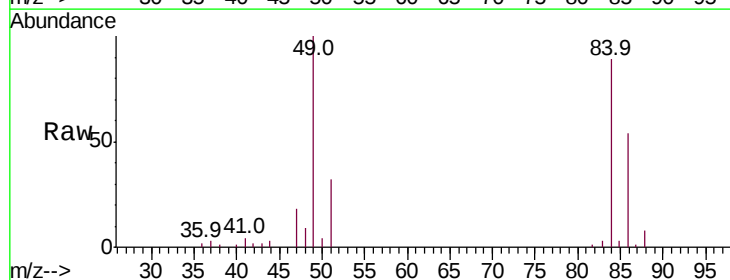
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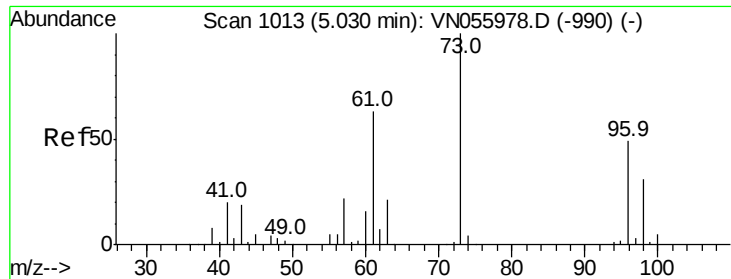
MMDadoda
6/5/2019 4:03:58 PM



#20
Methylene Chloride
Concen: 21.054 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 84 Resp: 66821
Ion Ratio Lower Upper
84 100
49 112.3 93.5 140.3
51 35.5 28.6 43.0
86 60.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.181 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 96 Resp: 61805

Ion Ratio Lower Upper

96 100

61 131.7 107.8 161.8

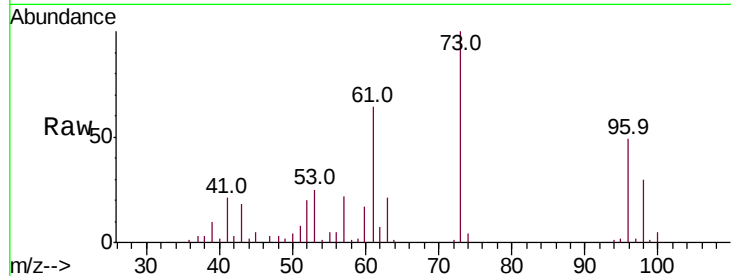
98 62.4 49.8 74.8

Manual Integrations

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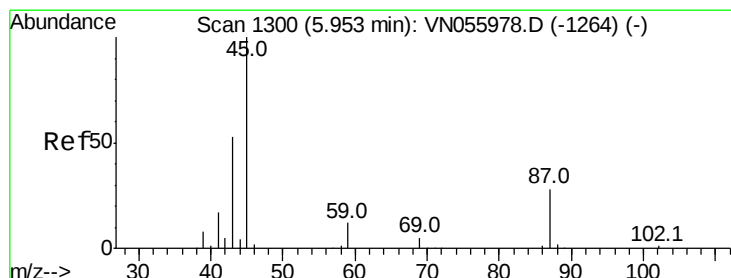
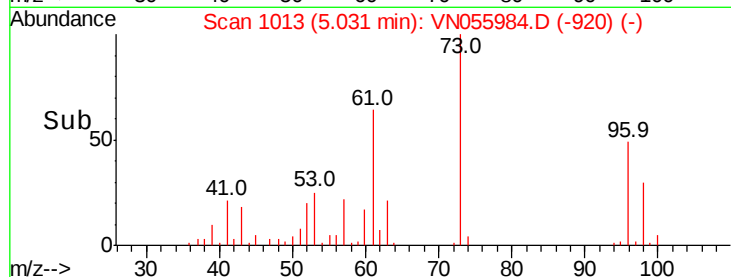
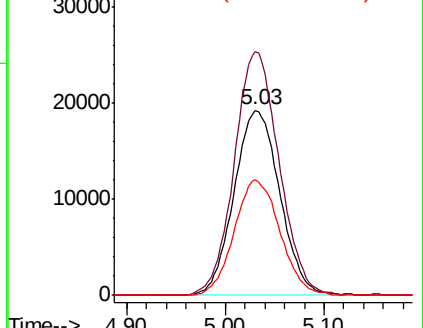
6/5/2019 4:03:58 PM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.438 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion: 45 Resp: 181676

Ion Ratio Lower Upper

45 100

43 57.0 45.0 67.6

87 28.7 22.2 33.4

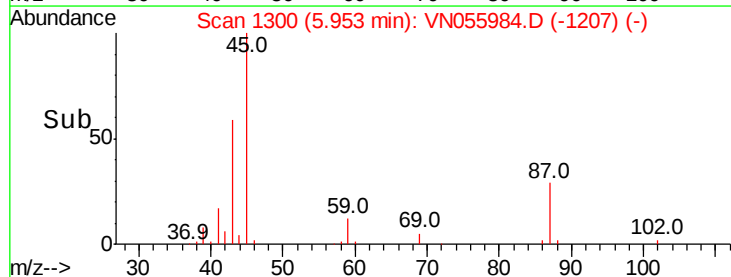
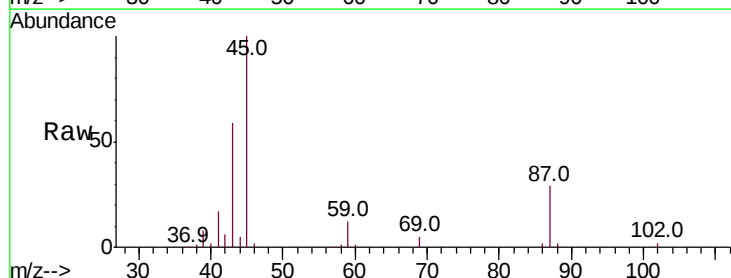
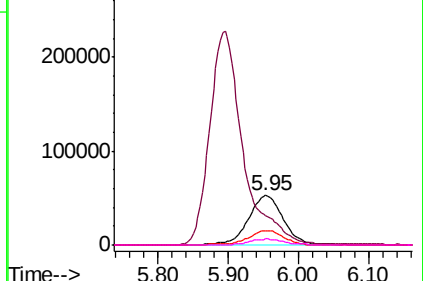
59 11.7 9.1 13.7

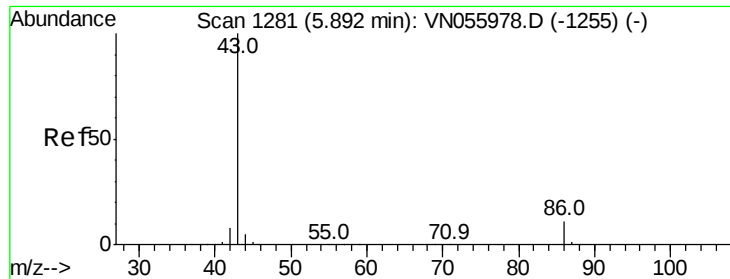
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





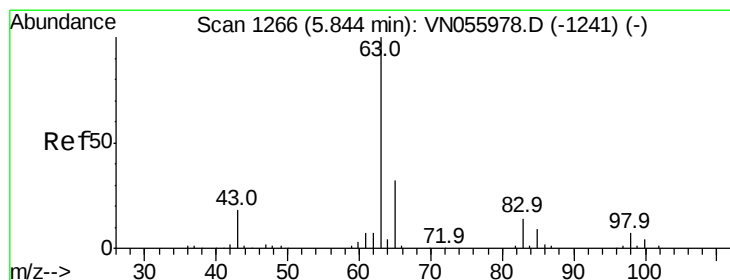
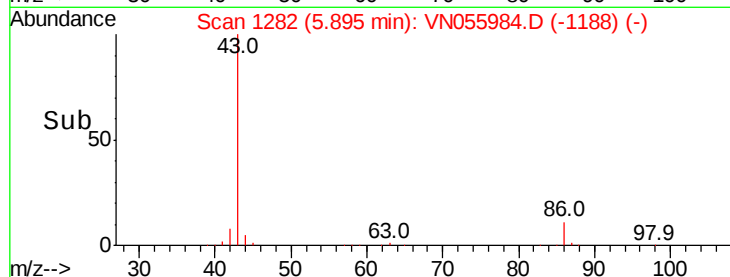
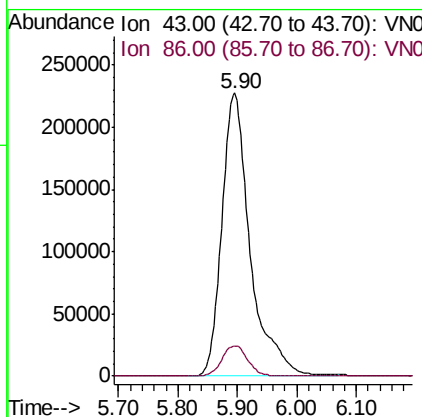
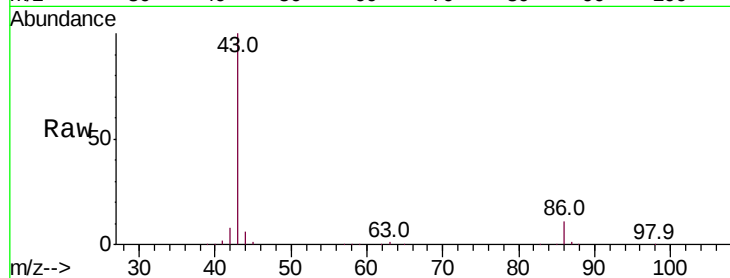
#23
 Vinyl Acetate
 Concen: 107.390 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0604MBS01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	10.7		8.6	13.0	

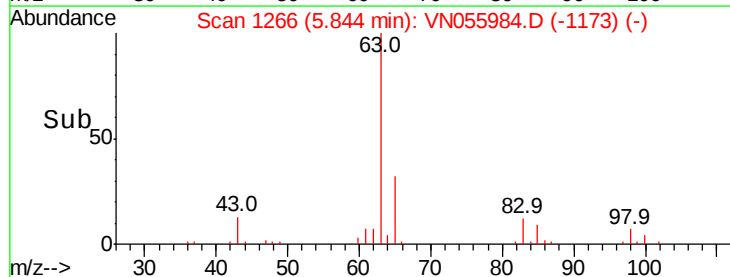
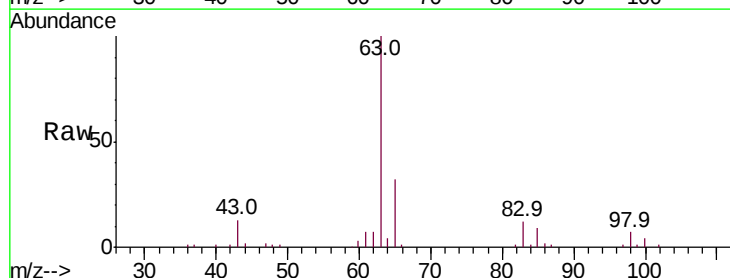
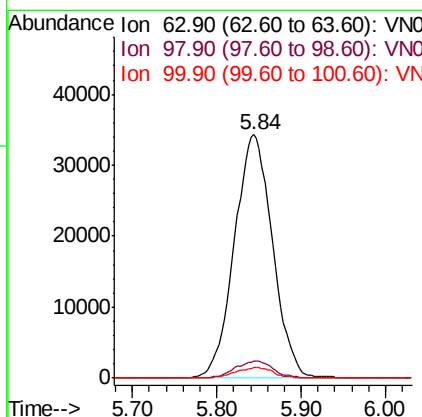
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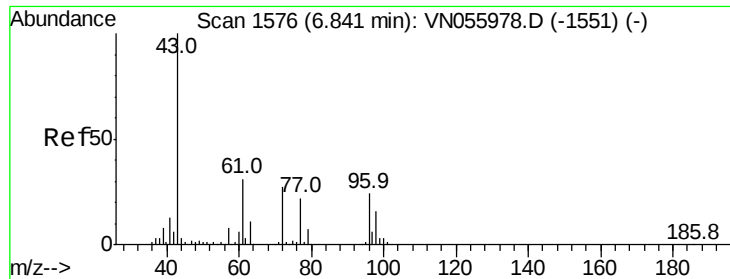
MMDadoda
 6/5/2019 4:03:58 PM



#24
 1,1-Dichloroethane
 Concen: 21.018 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	6.8			3.4	10.1	
100	4.3			2.2	6.6	





#25

2-Butanone

Concen: 108.170 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 43 Resp: 210541

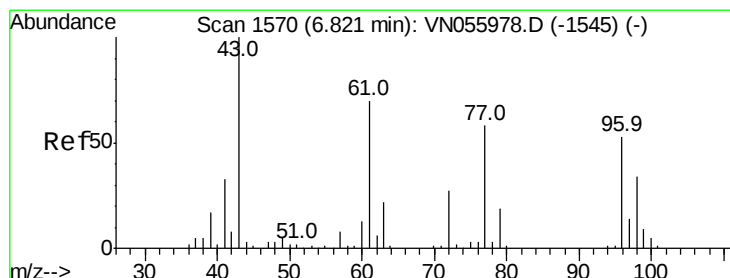
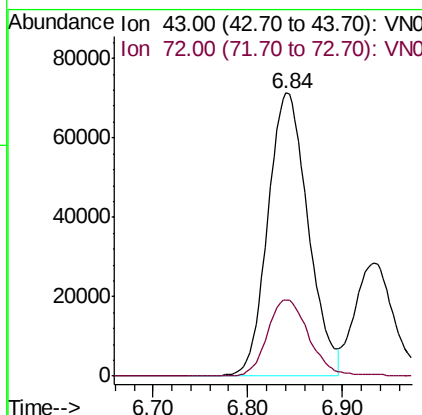
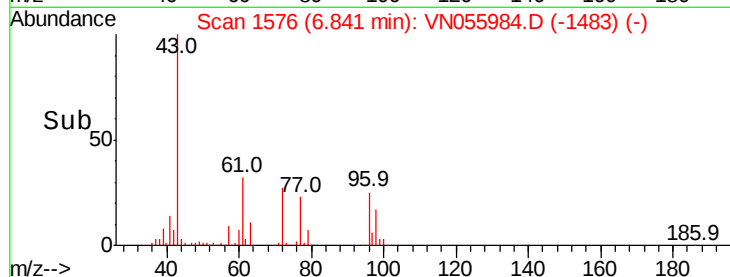
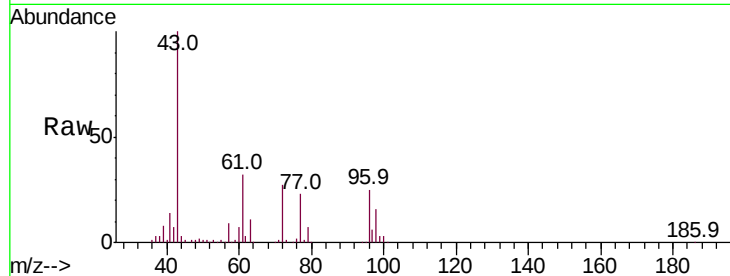
Ion Ratio Lower Upper

43 100

72 27.0 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 19.938 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055984.D

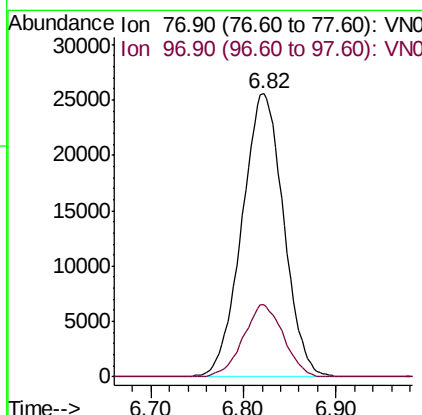
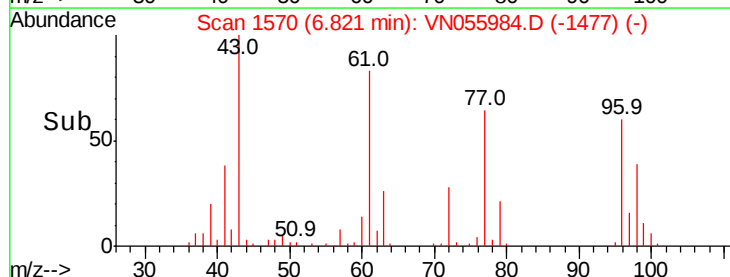
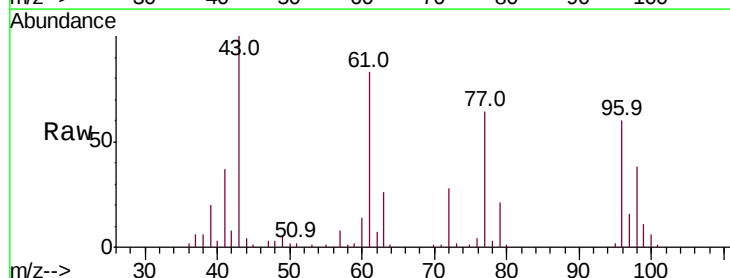
Acq: 4 Jun 2019 12:19

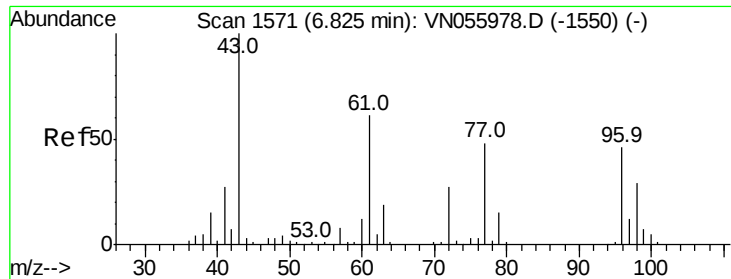
Tgt Ion: 77 Resp: 79775

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.467 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 96 Resp: 70199

Ion Ratio Lower Upper

96 100

61 135.1 0.0 275.8

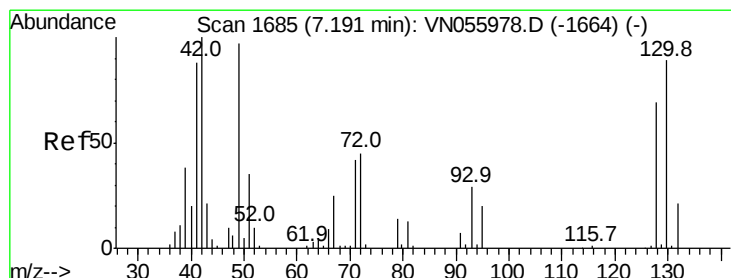
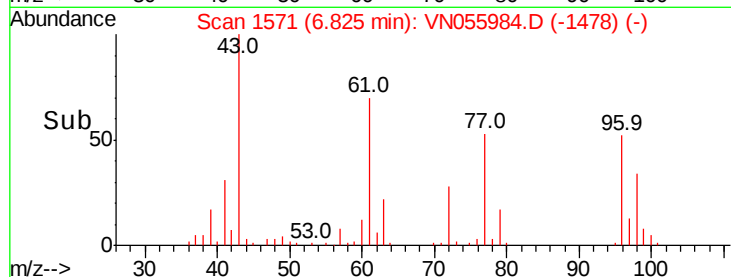
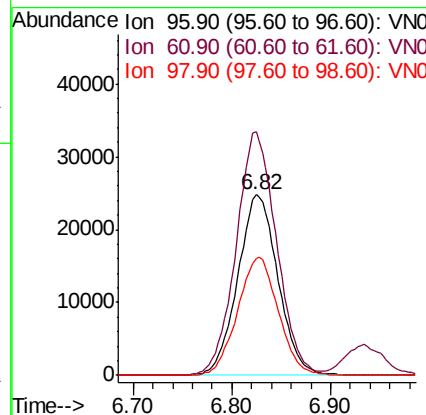
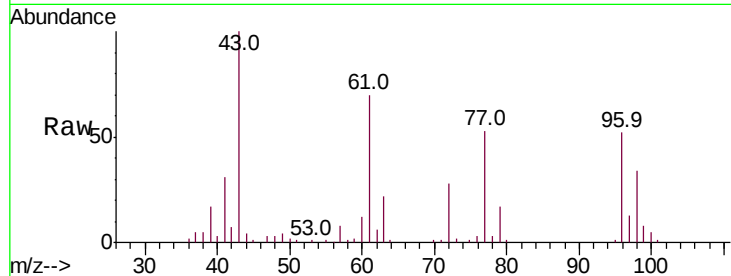
98 65.8 0.0 128.4

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#28

Bromochloromethane

Concen: 19.681 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

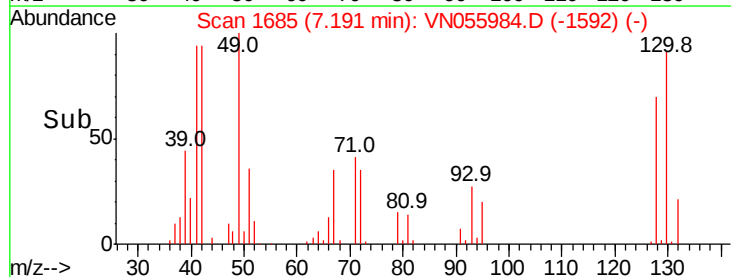
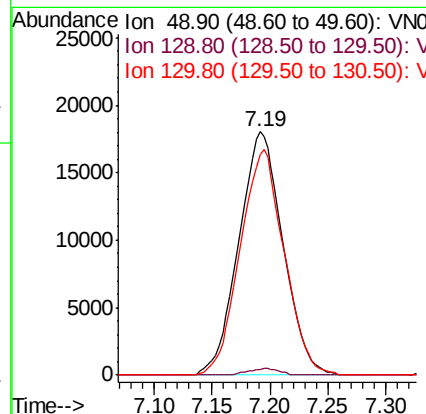
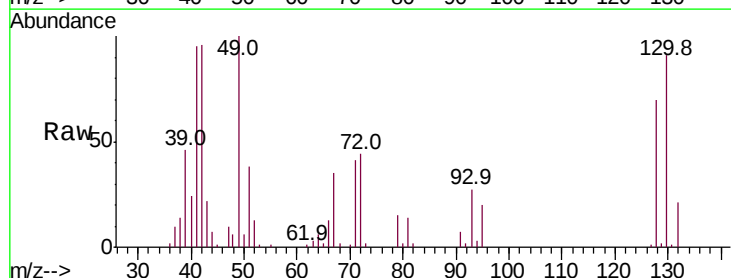
Tgt Ion: 49 Resp: 47723

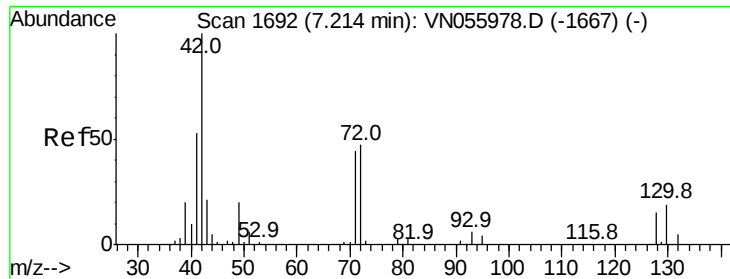
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 92.1 71.2 106.8





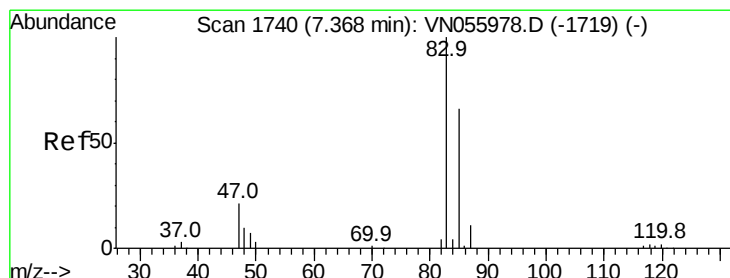
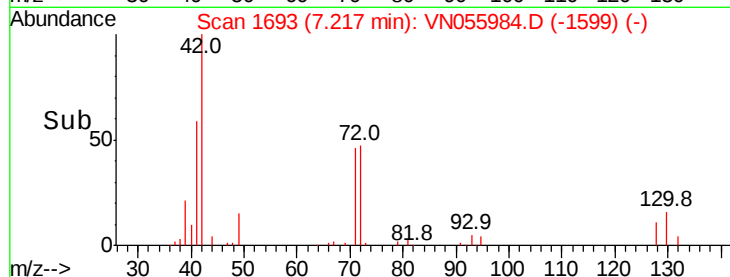
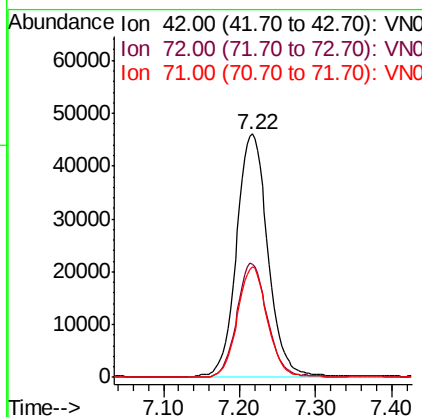
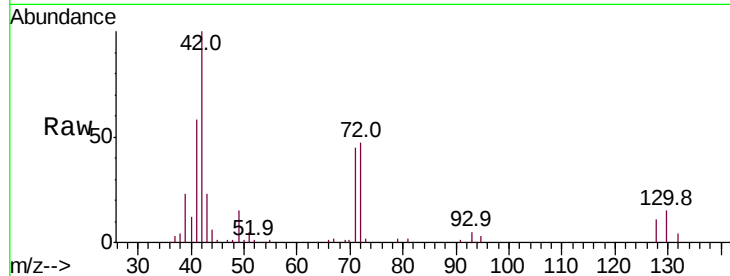
#29
Tetrahydrofuran
Concen: 110.175 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	43.2	34.0	51.0

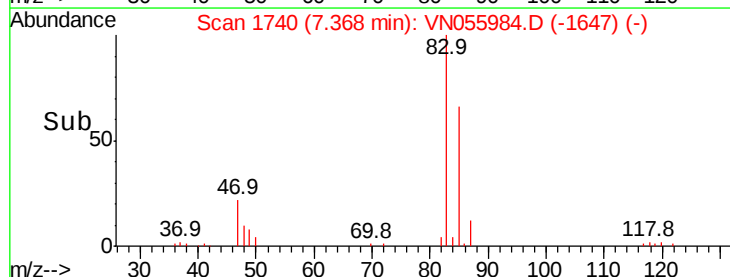
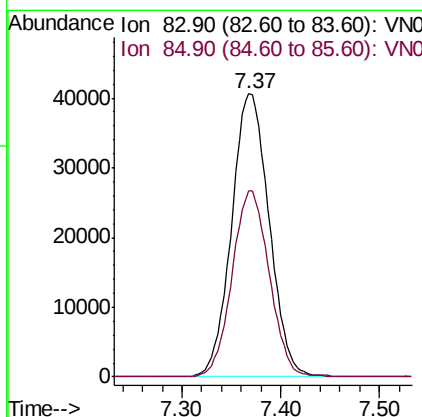
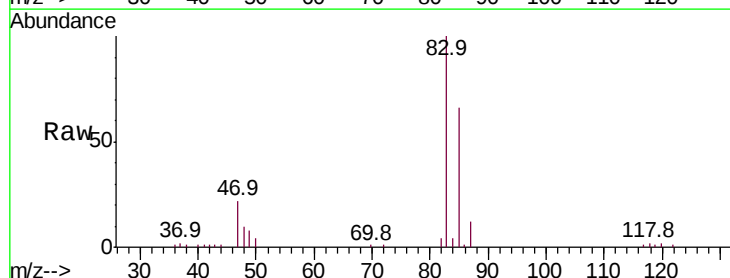
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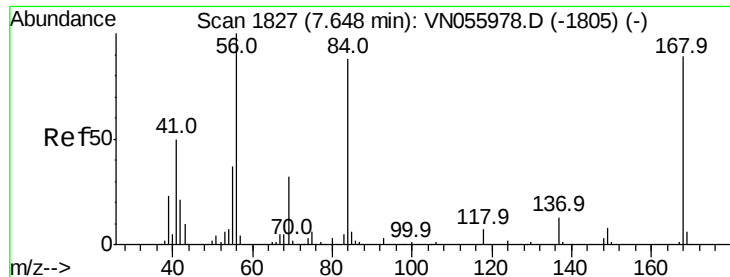
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#30
Chloroform
Concen: 20.828 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





#31

Cyclohexane

Concen: 20.561 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 56 Resp: 105087

Ion Ratio Lower Upper

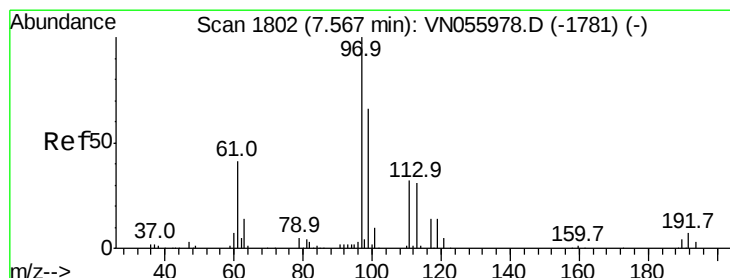
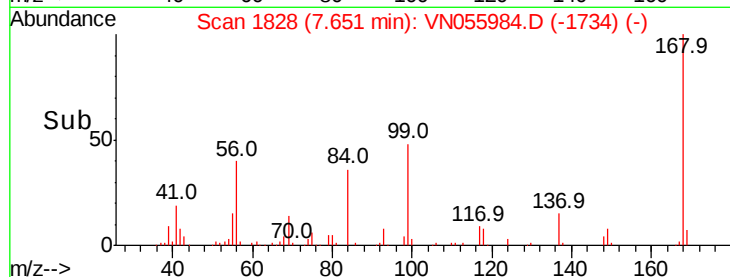
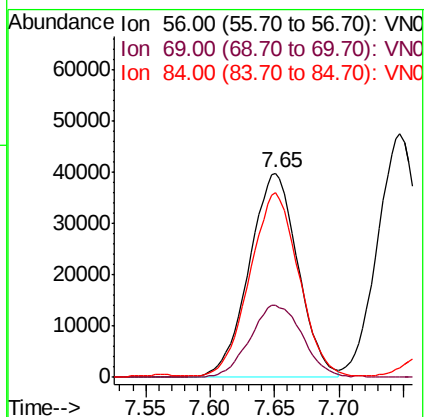
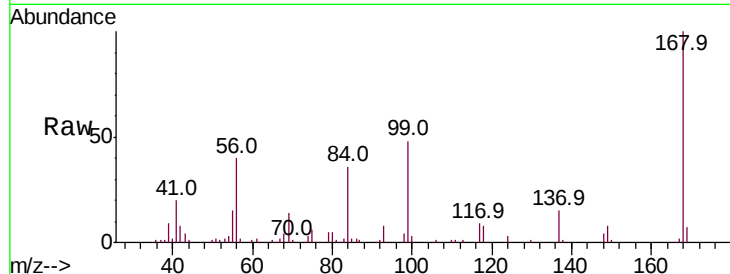
56 100

69 35.3 25.6 38.4

84 89.5 67.4 101.0

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#32

1,1,1-Trichloroethane

Concen: 20.779 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

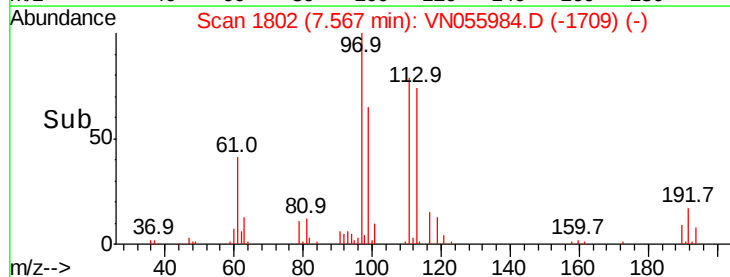
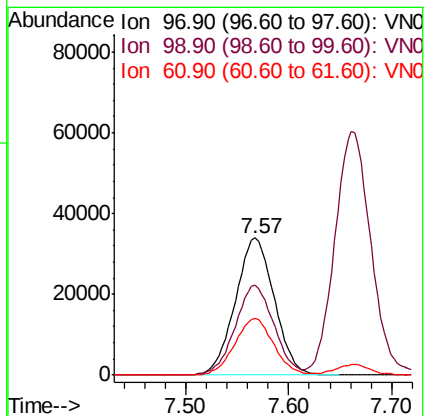
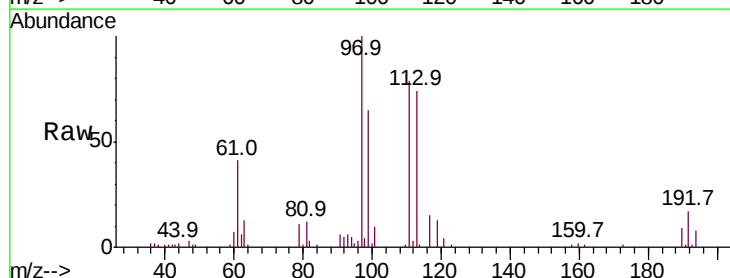
Tgt Ion: 97 Resp: 89505

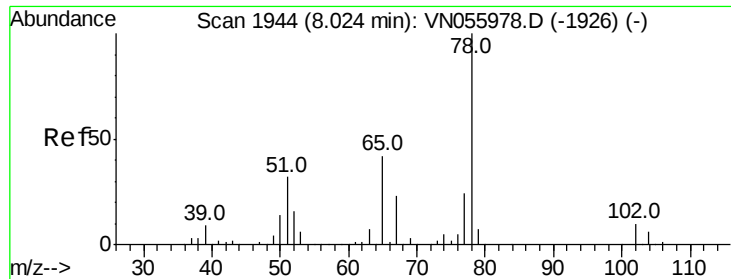
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

61 41.4 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 50.619 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 65 Resp: 163044

Ion Ratio Lower Upper

65 100

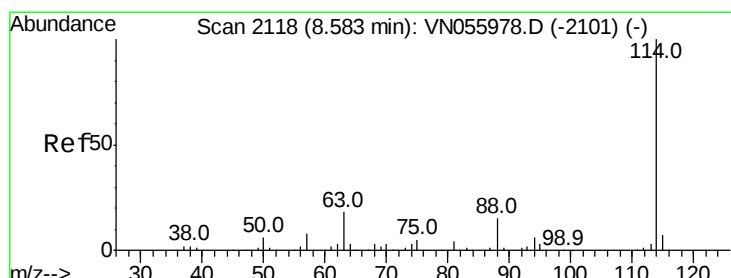
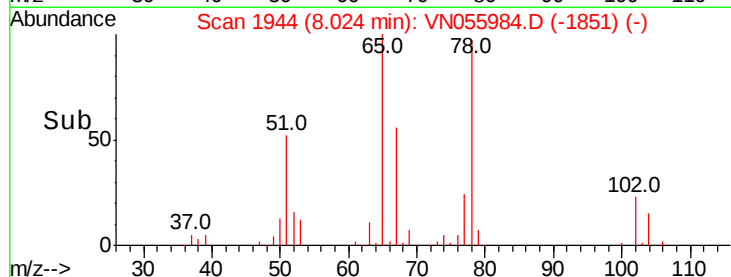
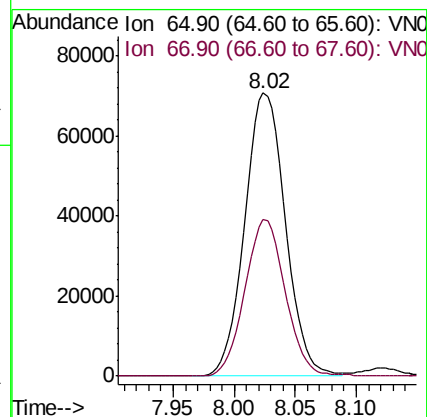
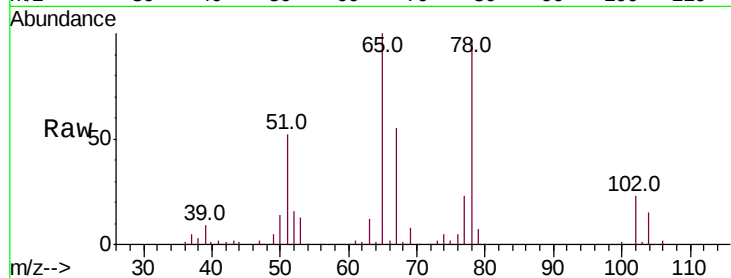
67 55.0 0.0 109.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

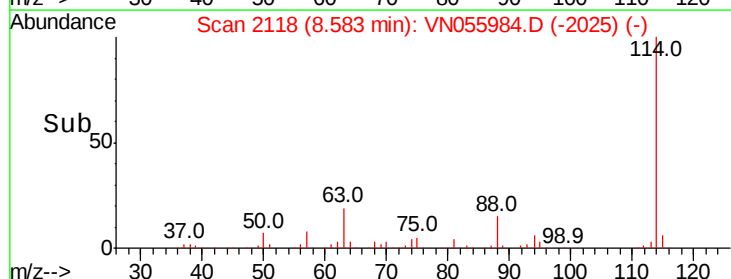
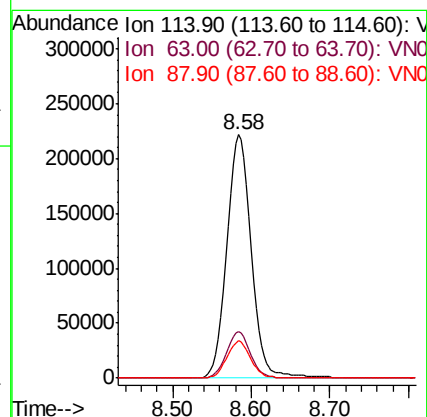
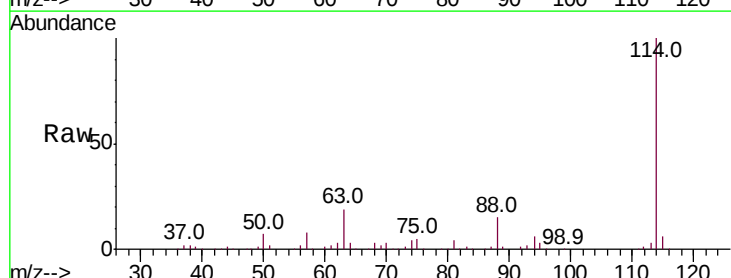
Tgt Ion: 114 Resp: 474930

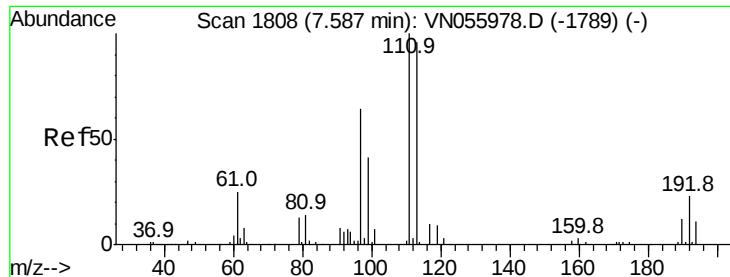
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.004 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

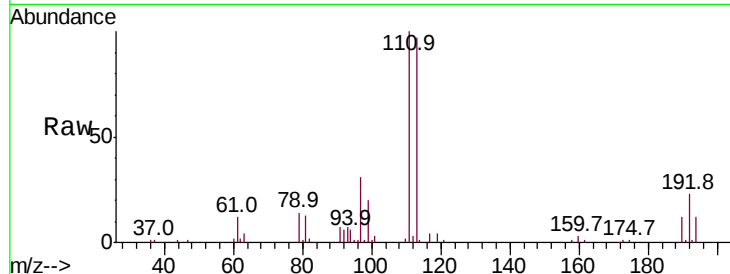
ClientSampleId :

VN0604MBS01

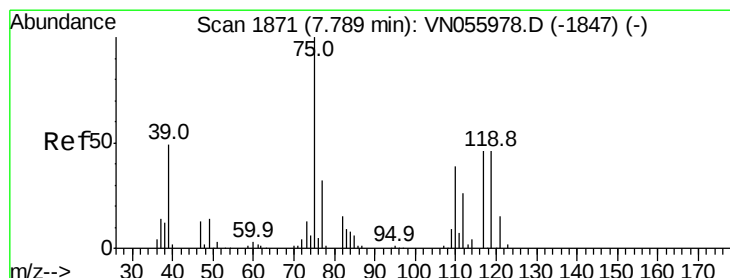
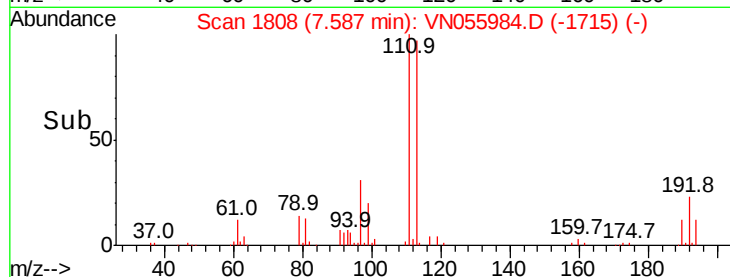
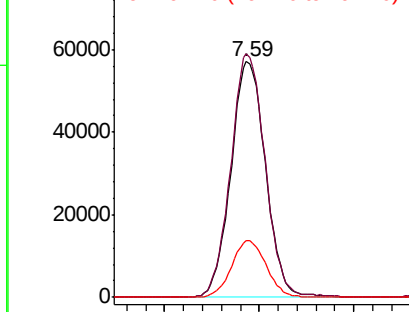
Tot Ion:	113	Resp:	145705
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	24.0	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.537 ug/l

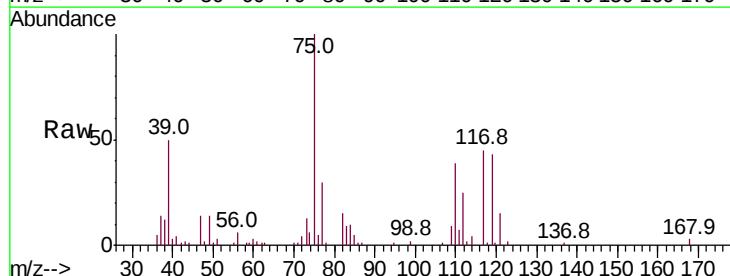
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

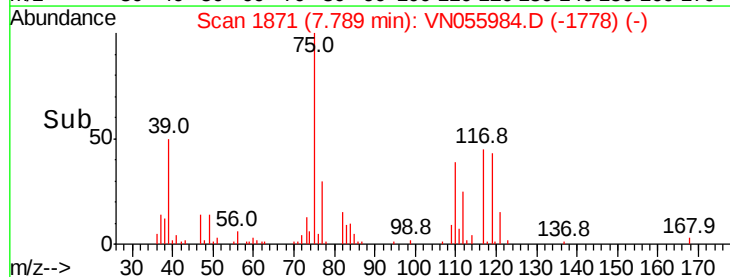
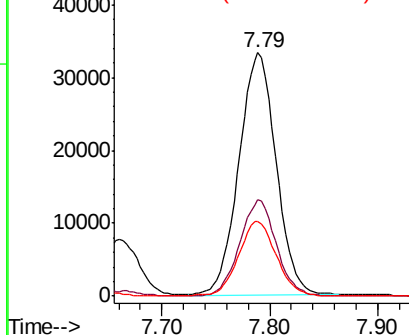
Lab File: VN055984.D

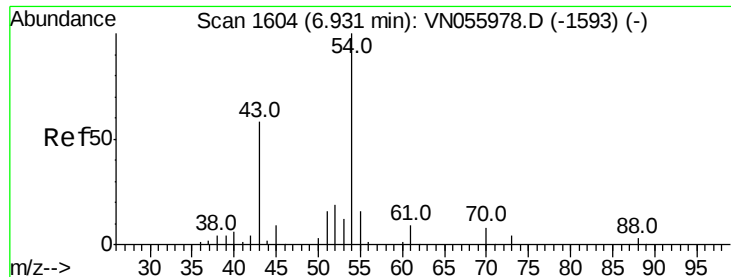
Acq: 4 Jun 2019 12:19

Tgt Ion:	75	Resp:	79785
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.0	57.0
77	31.3	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





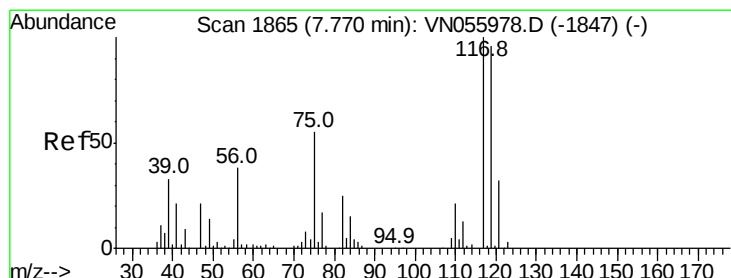
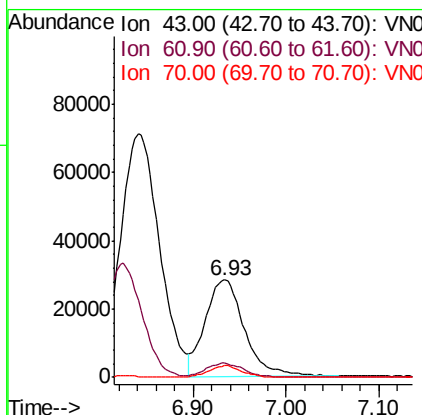
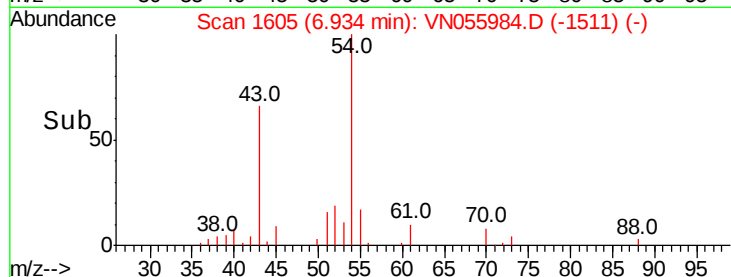
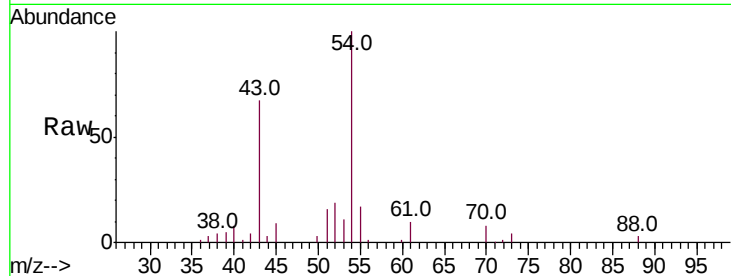
#37
Ethyl Acetate
Concen: 22.788 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleID :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	10.3	8.9	13.3

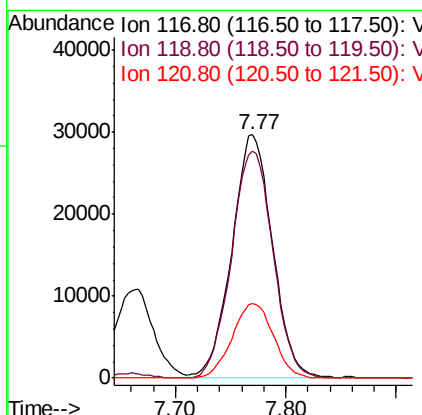
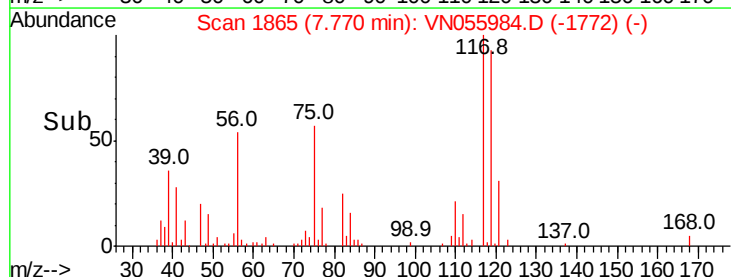
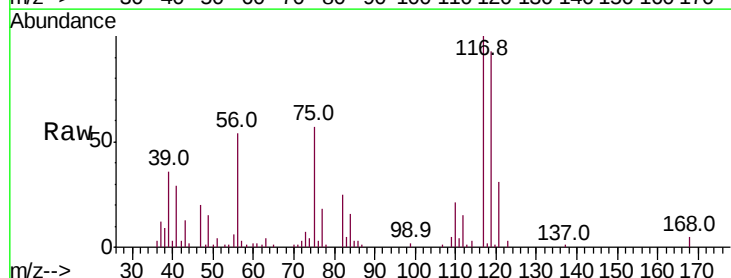
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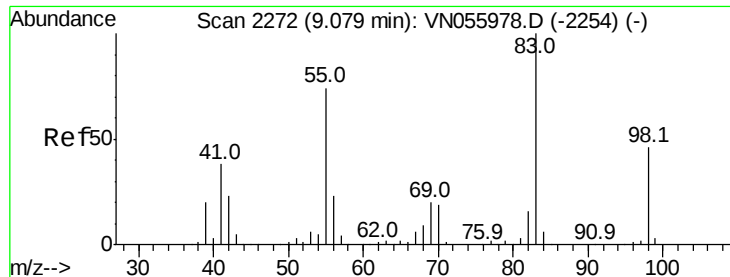
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#38
Carbon Tetrachloride
Concen: 20.176 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.0	118.6
121	30.5	24.7	37.1





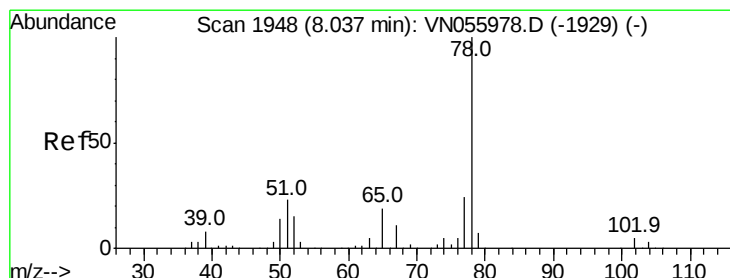
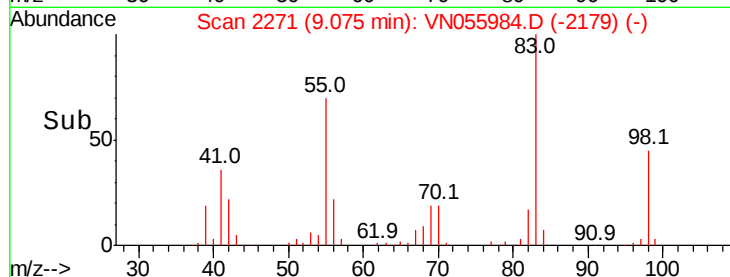
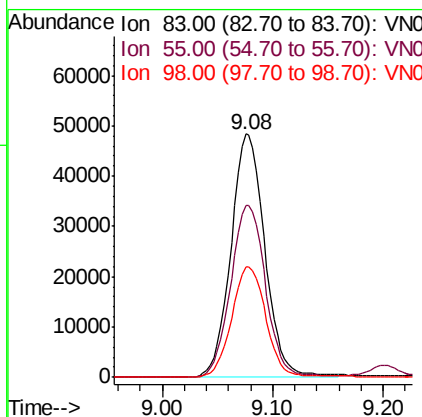
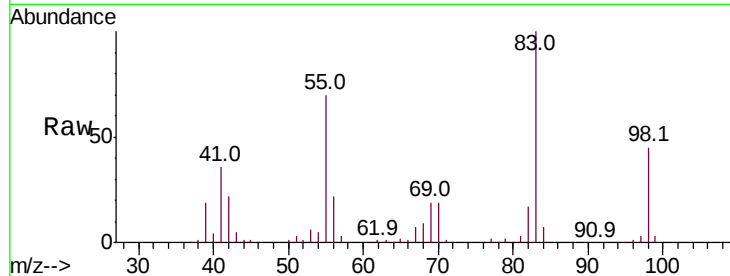
#39
Methvlcvclohexane
Concen: 20.303 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	83	Resp	103283
Ion Ratio	100	Lower	Upper
83	100		
55	70.4	59.3	88.9
98	45.3	36.6	54.8

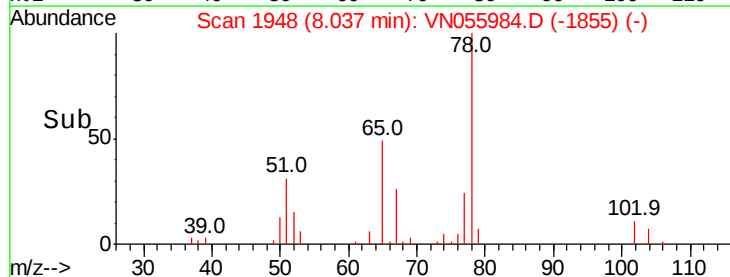
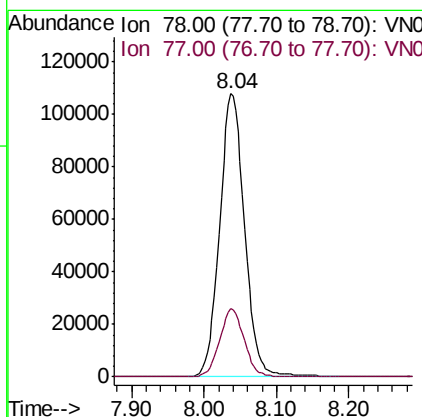
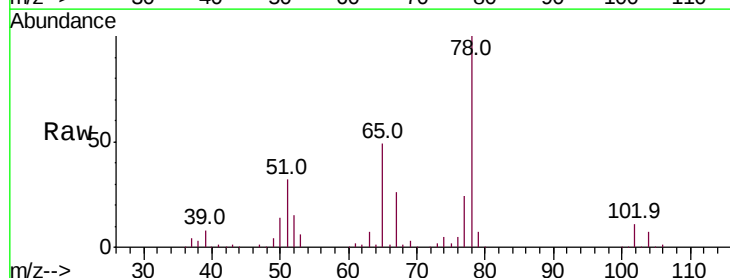
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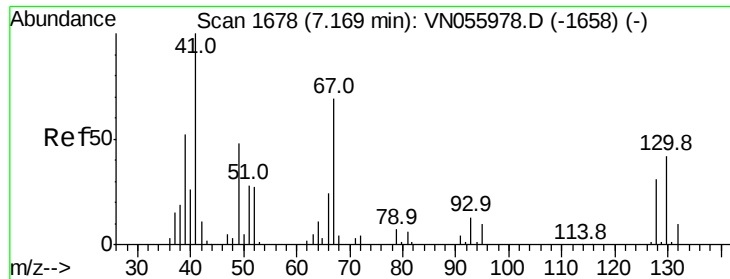
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#40
Benzene
Concen: 20.775 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	78	Resp	257681
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.8	28.2





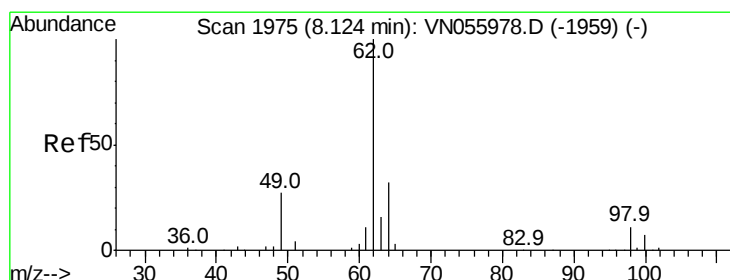
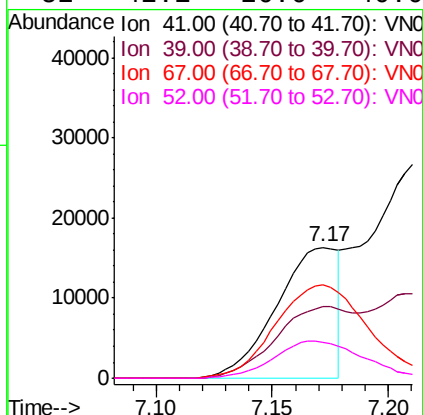
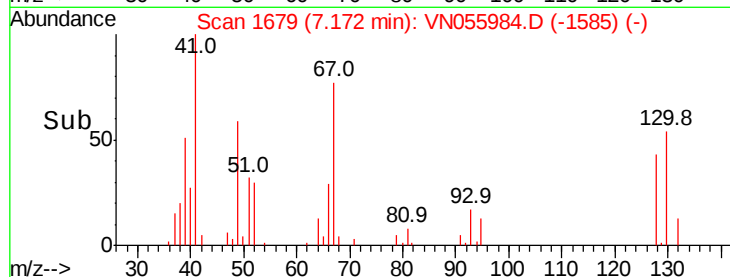
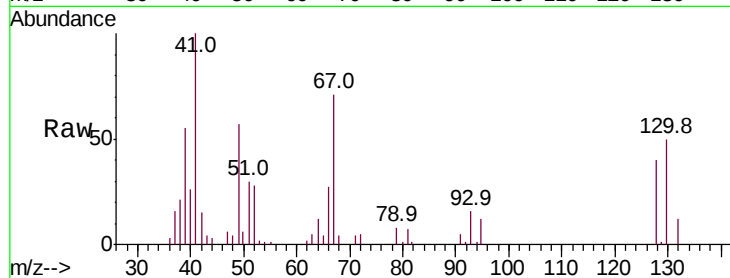
#41
Methacrylonitrile
Concen: 18.095 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.0	45.6	68.4#
67	108.7	67.7	101.5#
52	42.1	26.6	40.0#

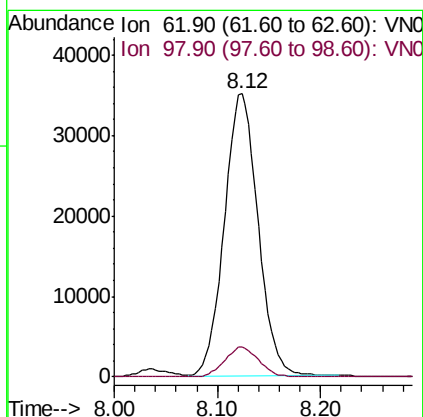
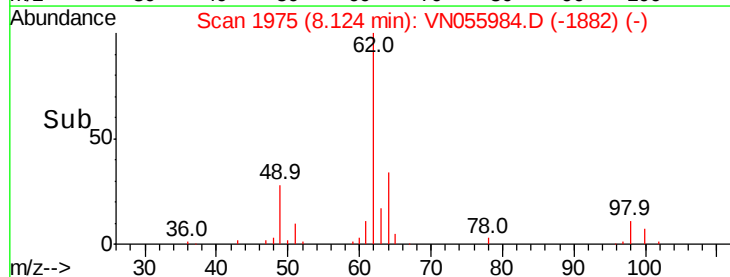
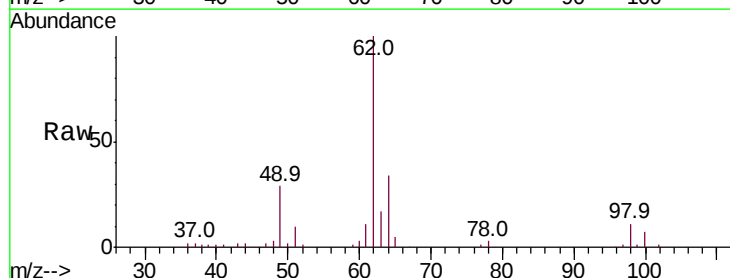
Manual Integrations
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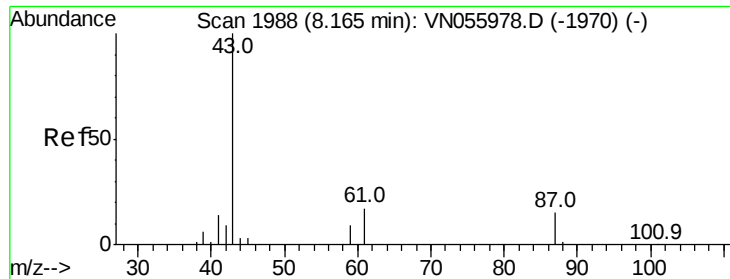
MMDadoda
6/5/2019 4:03:58 PM



#42
1,2-Dichloroethane
Concen: 20.054 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.827 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

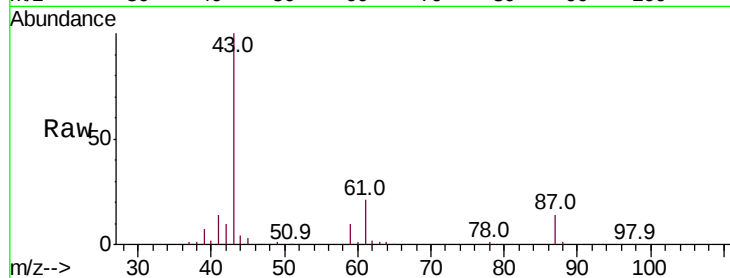
ClientSampleId :

VN0604MBS01

Tot Ion:	43	Resp:	122632
Ion	Ratio	Lower	Upper
43	100		
61	22.0	22.2	33.4#
87	14.3	11.4	17.2

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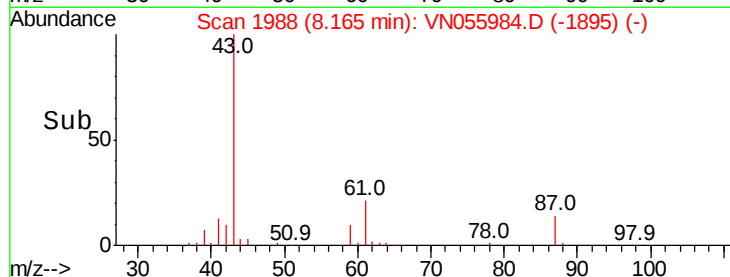


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

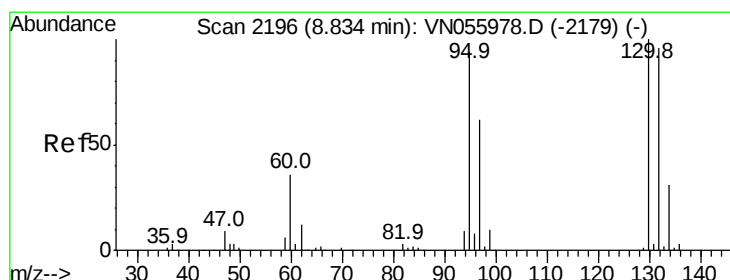
Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 19.971 ug/l

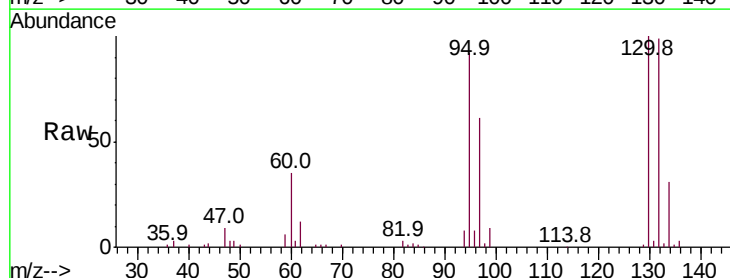
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

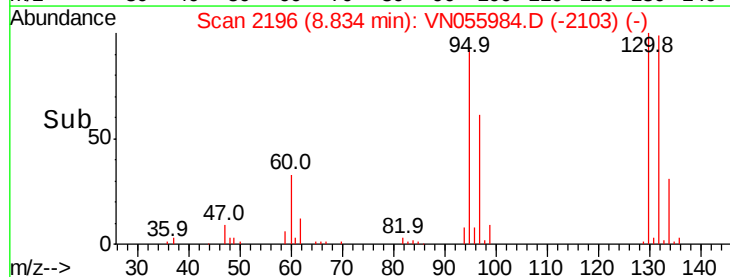
Tgt Ion:	130	Resp:	71177
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

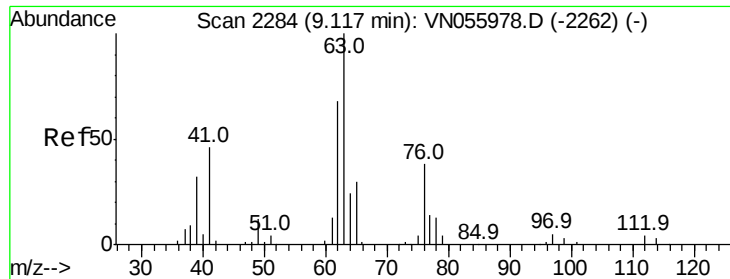
Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->



Time-->

Time-->



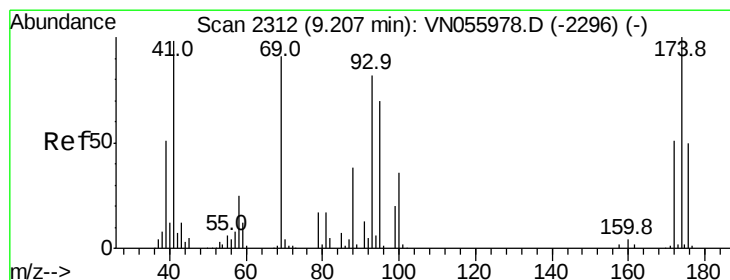
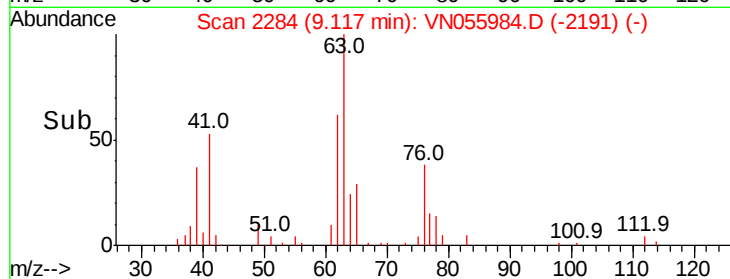
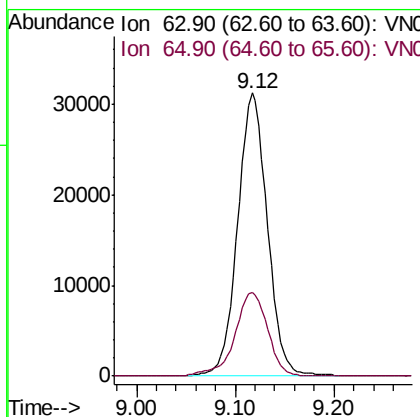
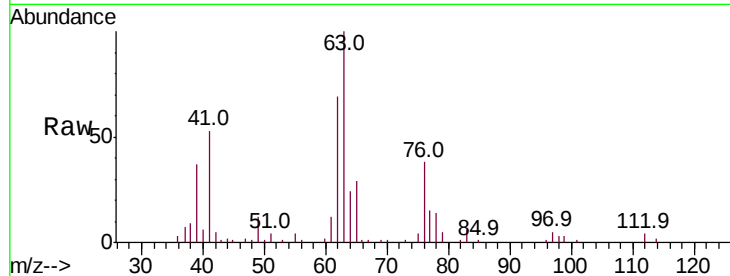
#45
 1,2-Dichloropropane
 Concen: 20.469 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Tot Ion: 63 Resp: 65030
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 36.8

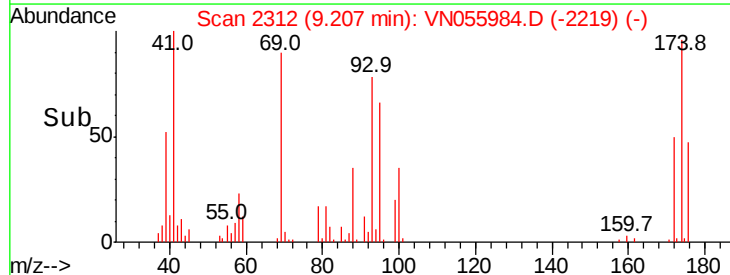
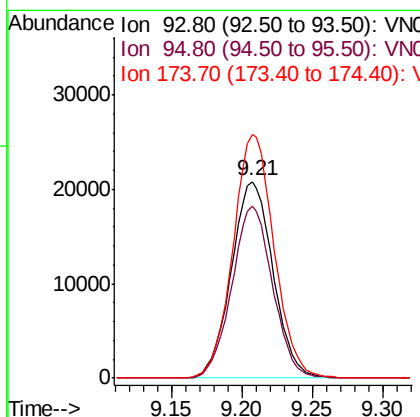
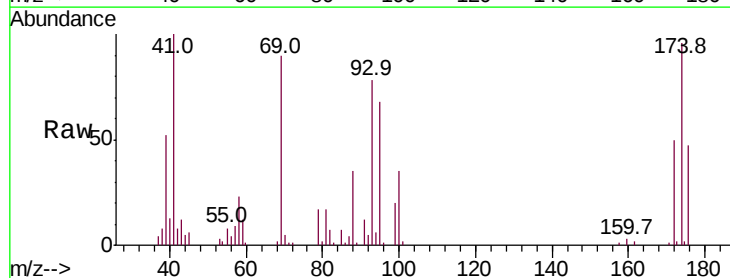
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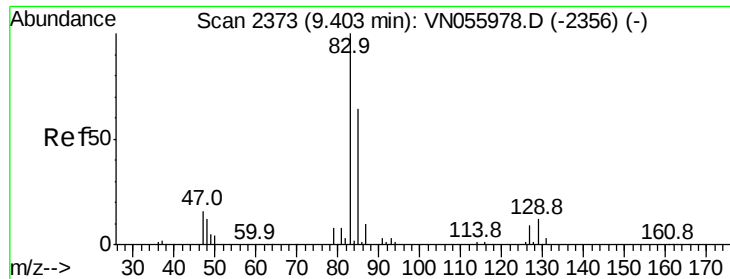
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 6/5/2019 4:03:58 PM



#46
 Dibromomethane
 Concen: 20.696 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion: 93 Resp: 42997
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.7 100.1
 174 122.2 96.4 144.6





#47

Bromodichloromethane

Concen: 20.227 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

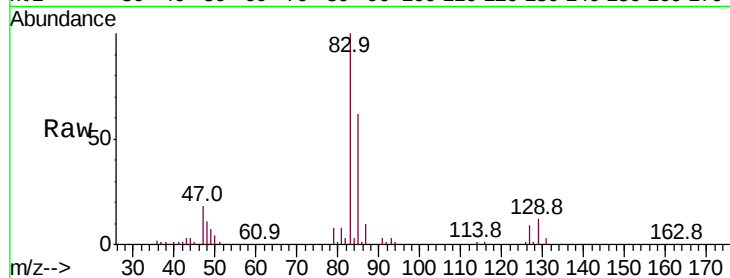
ClientSampled :

VN0604MBS01

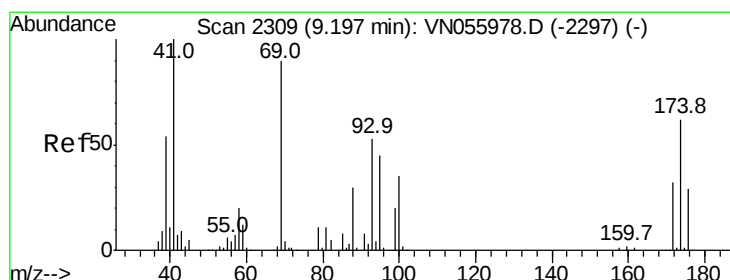
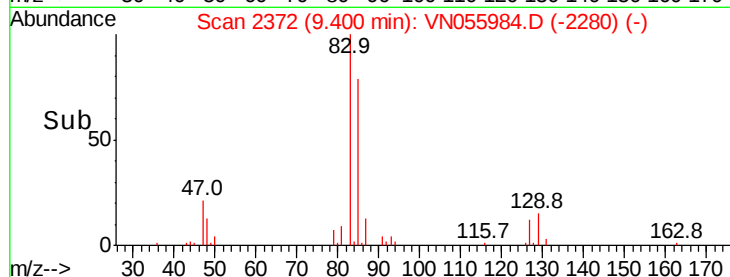
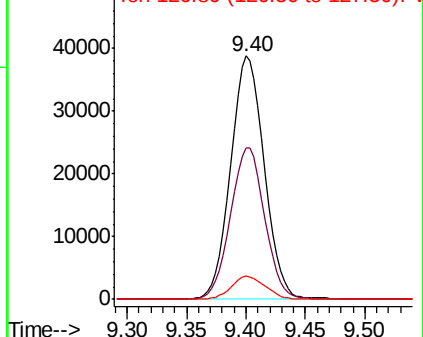
Tot Ion:	83	Resp:	76161
Ion Ratio	Lower	Upper	
83	100		
85	62.2	52.2	78.2
127	9.4	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)



#48

Methyl methacrylate

Concen: 21.175 ug/l

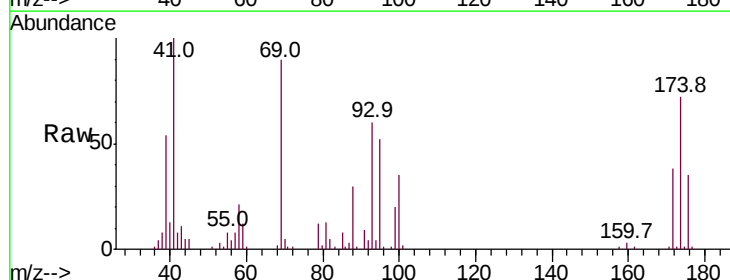
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

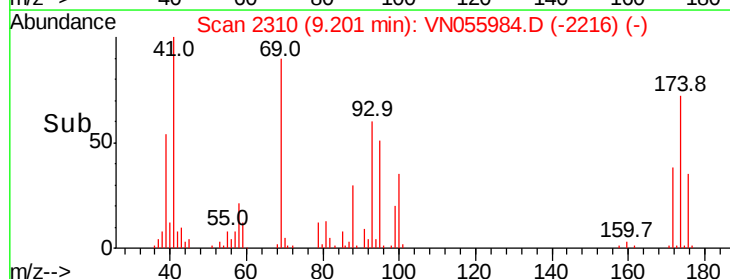
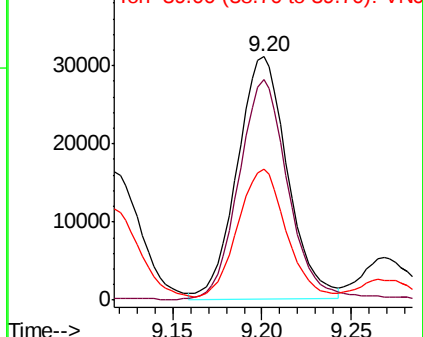
Lab File: VN055984.D

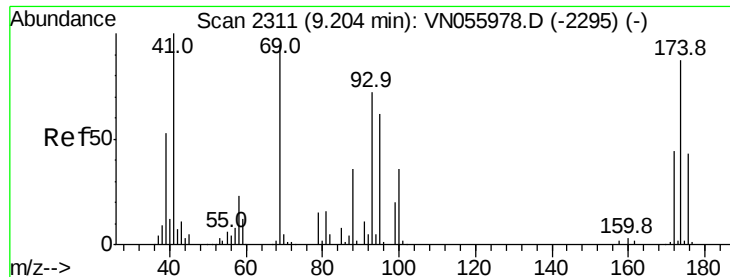
Acq: 4 Jun 2019 12:19

Tgt Ion:	41	Resp:	60997
Ion Ratio	Lower	Upper	
41	100		
69	90.9	71.0	106.6
39	52.7	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)





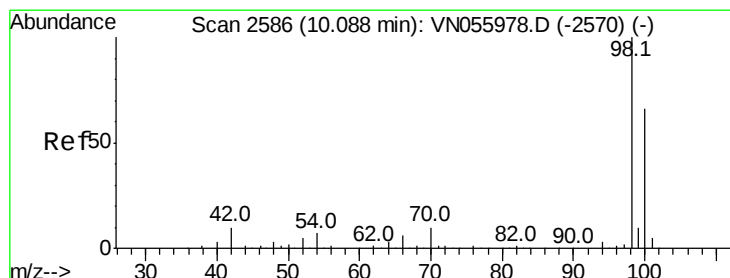
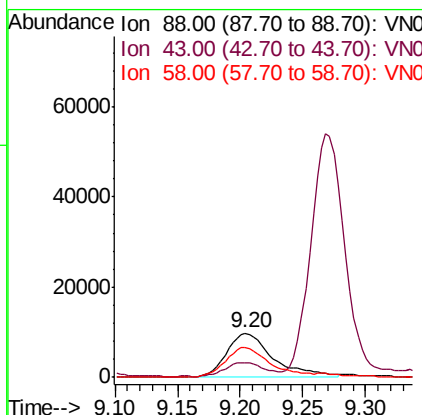
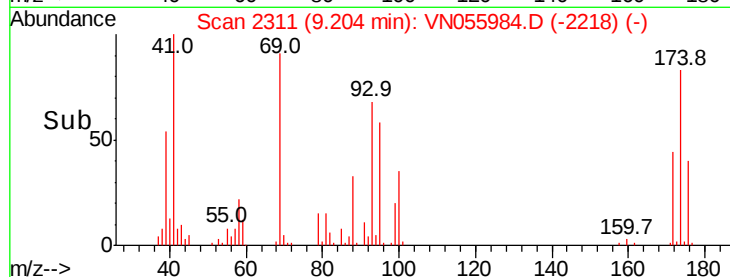
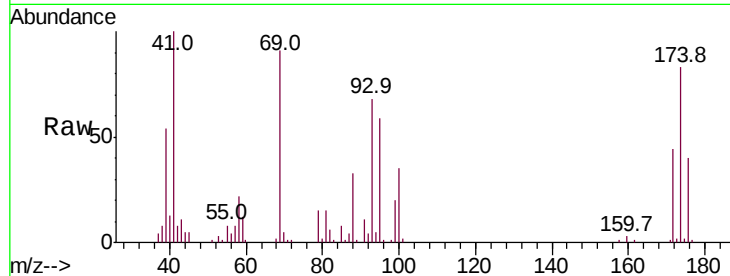
#49
 1,4-Dioxane
 Concen: 412.246 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	64.1	55.8	83.6

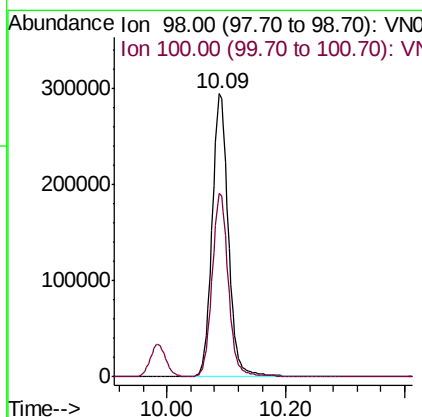
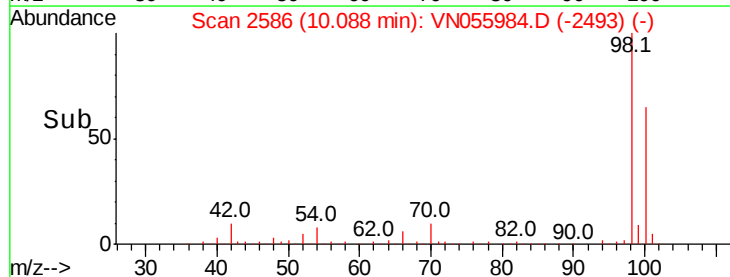
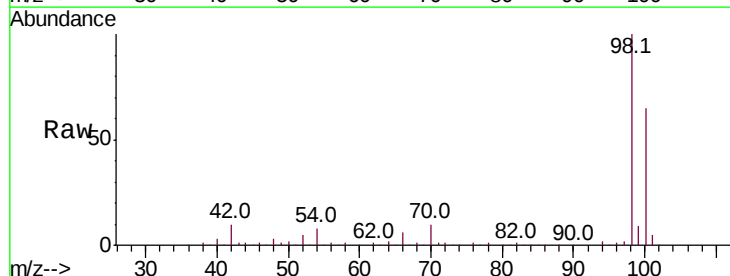
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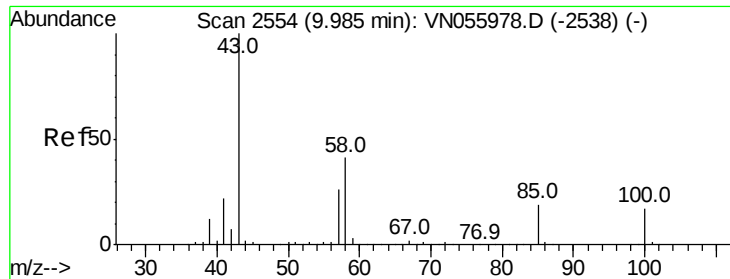
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#50
 Toluene-d8
 Concen: 49.619 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 105.305 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 43 Resp: 387741

Ion Ratio Lower Upper

43 100

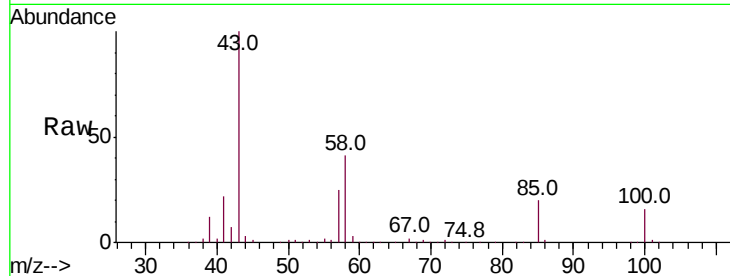
58 40.3 32.1 48.1

Manual Integrations

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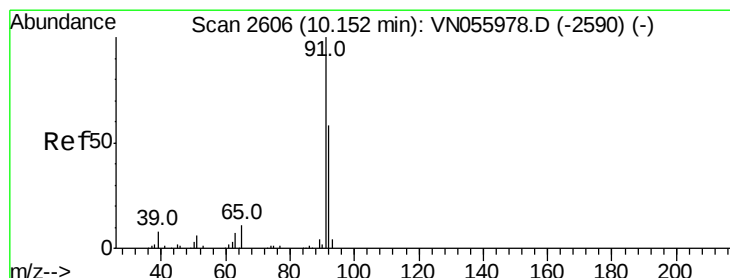
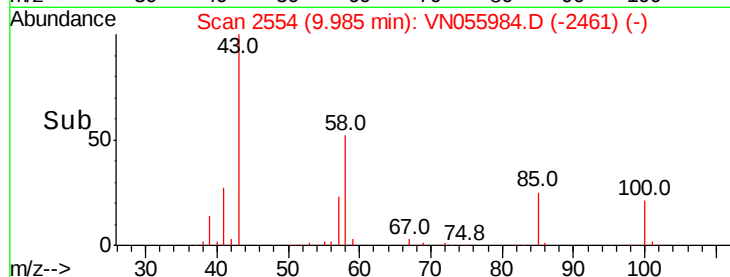
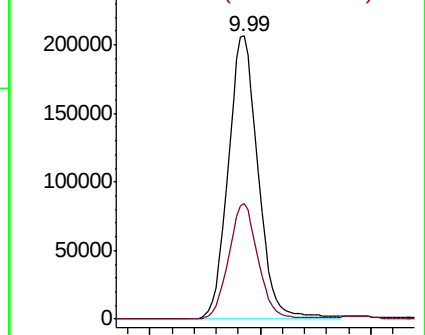
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.930 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055984.D

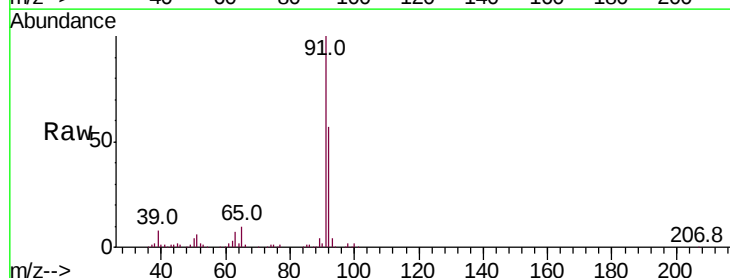
Acq: 4 Jun 2019 12:19

Tgt Ion: 92 Resp: 161542

Ion Ratio Lower Upper

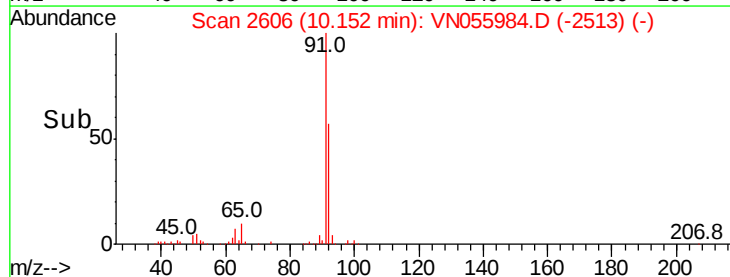
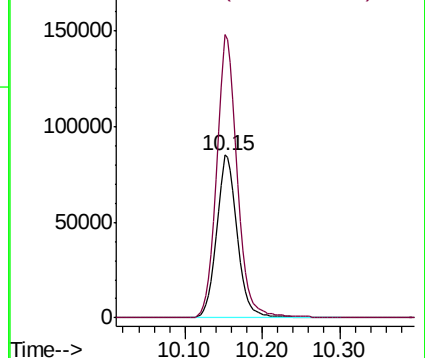
92 100

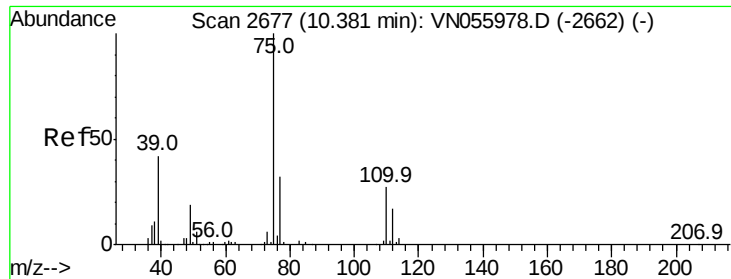
91 172.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.039 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 75 Resp: 77165

Ion Ratio Lower Upper

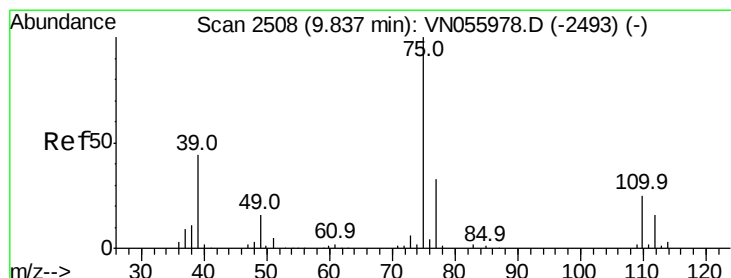
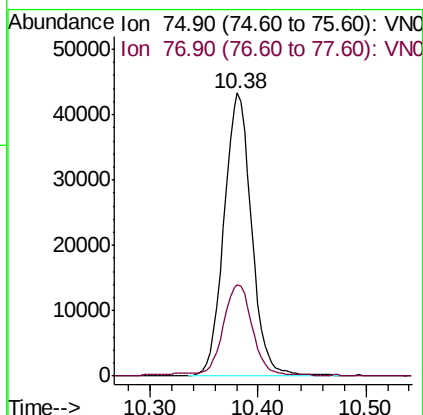
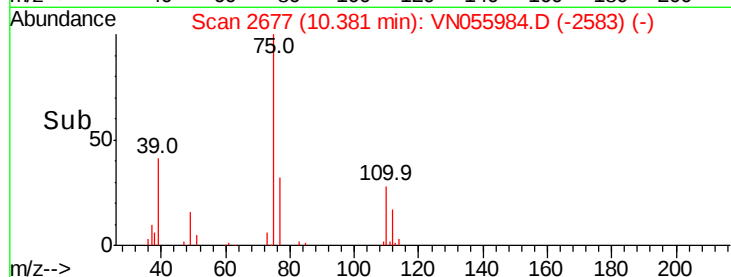
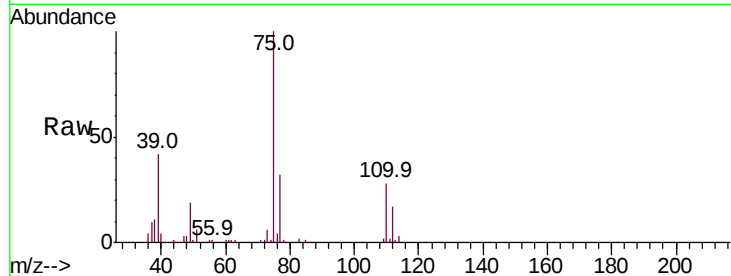
75 100

77 31.8 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

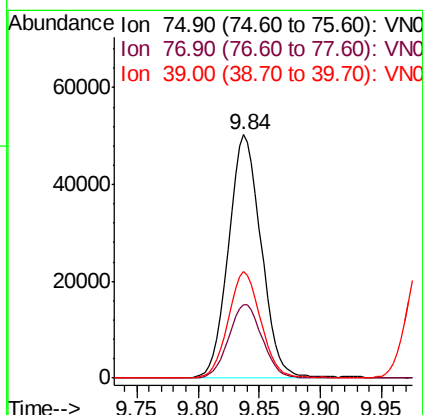
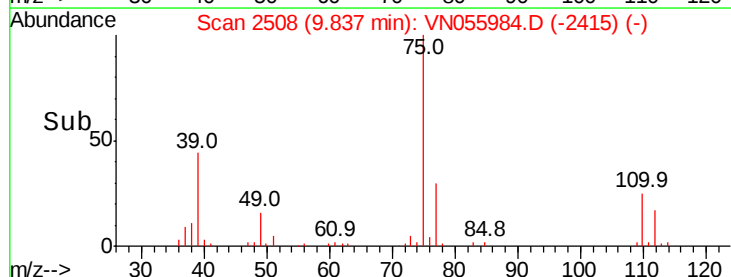
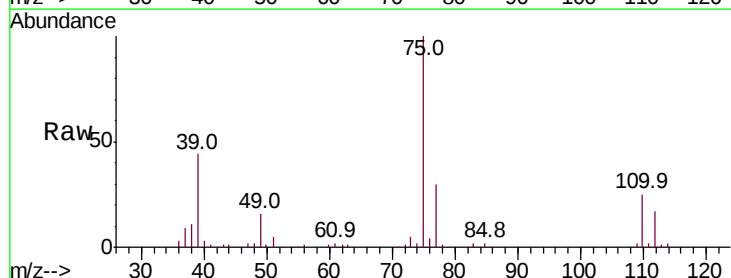
Tgt Ion: 75 Resp: 93958

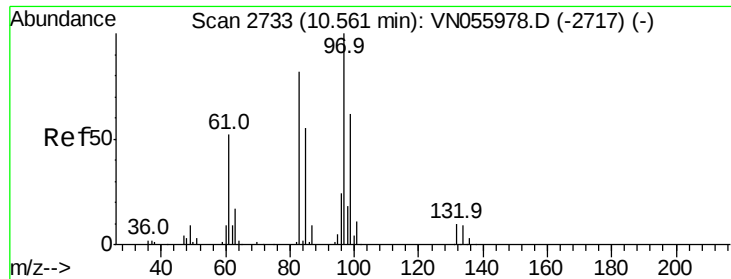
Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0

39 43.6 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.589 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 97 Resp: 62945

Ion Ratio Lower Upper

97 100

83 87.2 67.0 100.6

85 56.9 44.0 66.0

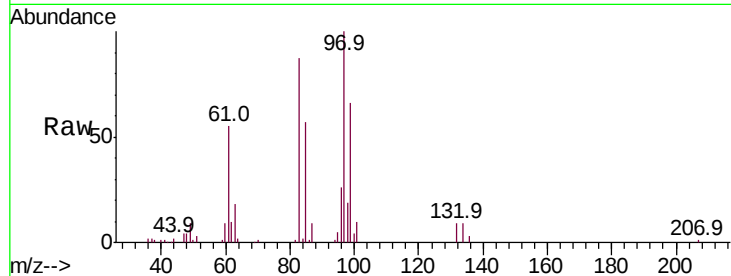
99 65.9 50.6 75.8

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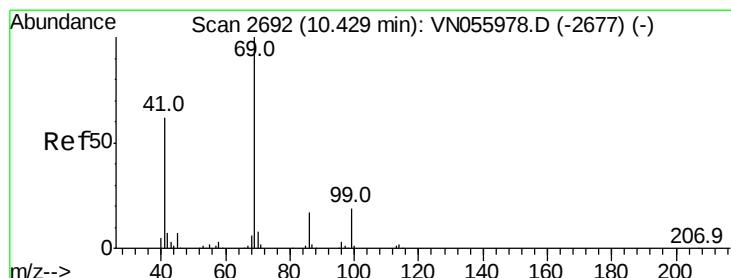
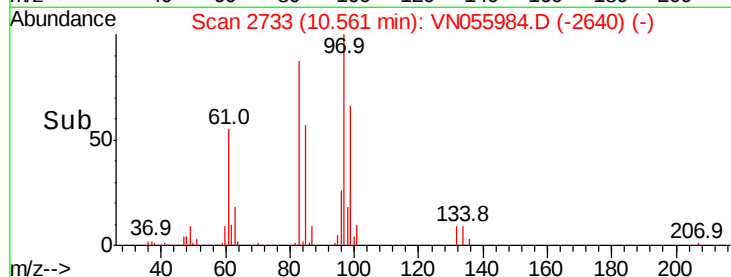
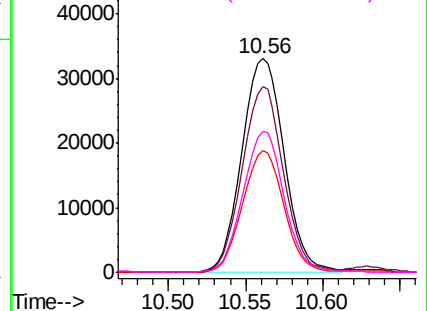
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.779 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

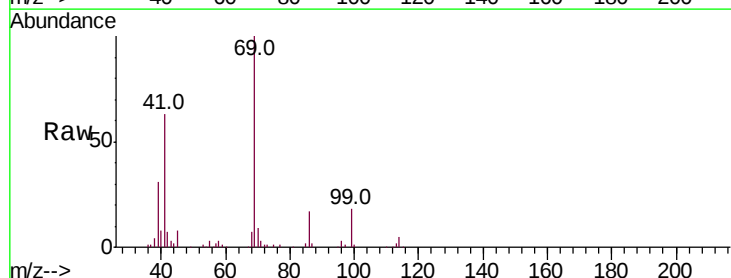
Tgt Ion: 69 Resp: 92676

Ion Ratio Lower Upper

69 100

41 61.8 49.7 74.5

39 30.1 24.7 37.1

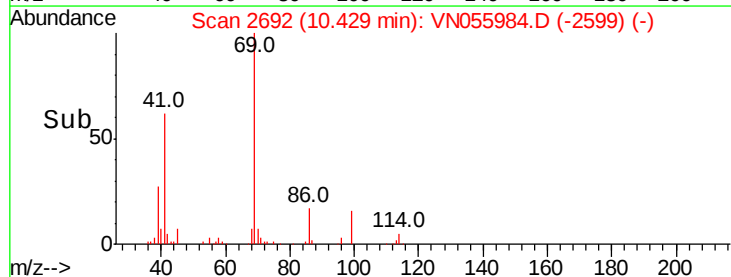
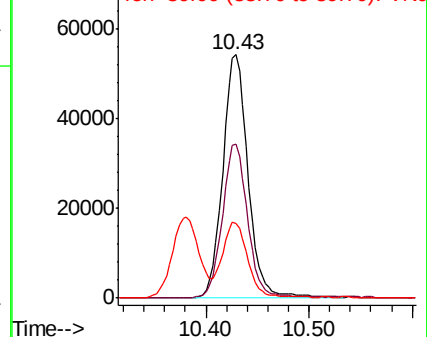


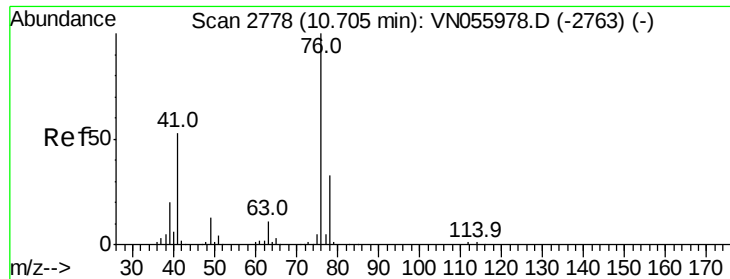
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.419 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 76 Resp: 101482

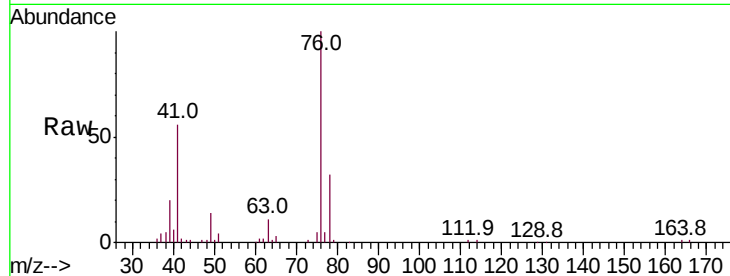
Ion Ratio Lower Upper

76 100

78 33.2 25.8 38.6

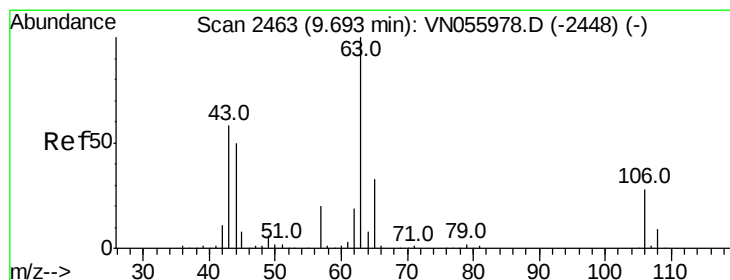
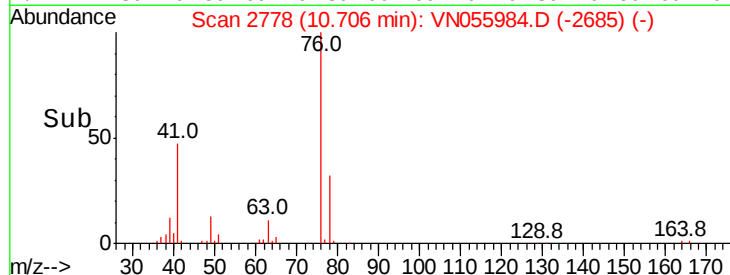
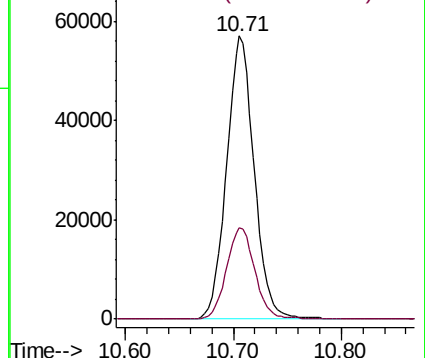
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.269 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055984.D

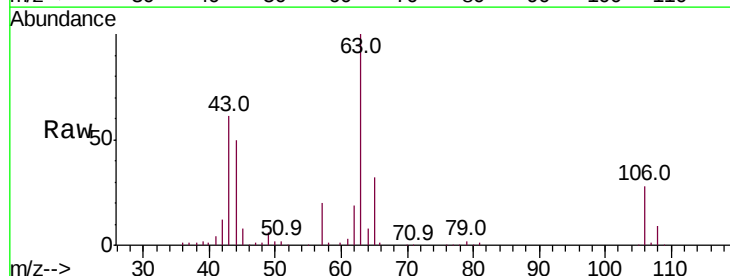
Acq: 4 Jun 2019 12:19

Tgt Ion: 63 Resp: 160565

Ion Ratio Lower Upper

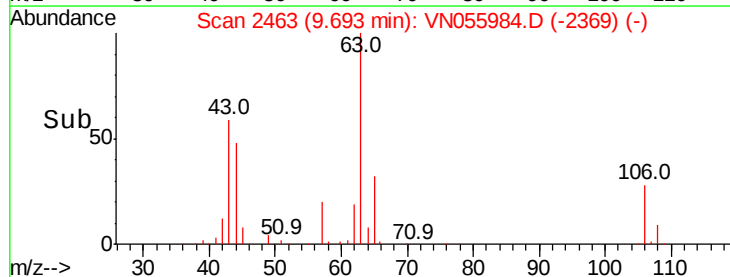
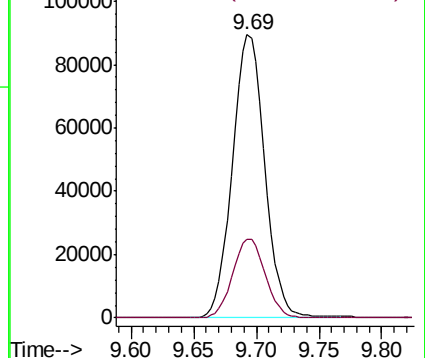
63 100

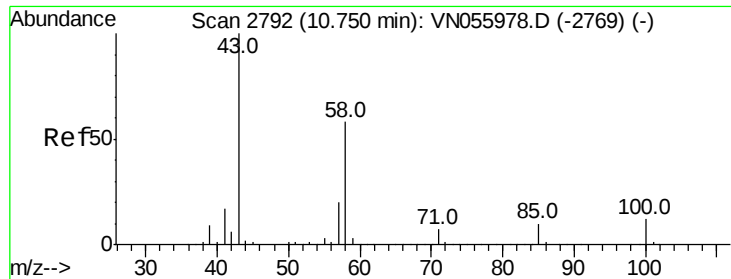
106 28.1 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





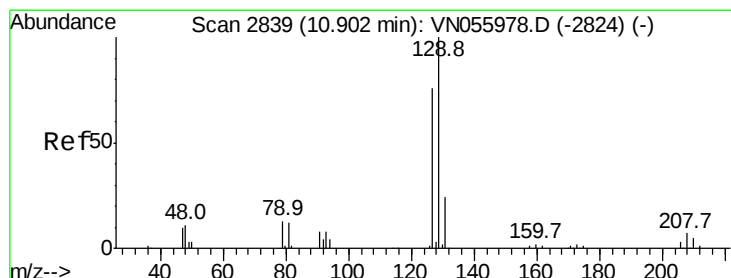
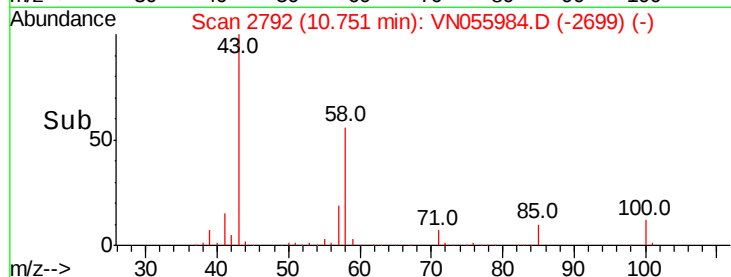
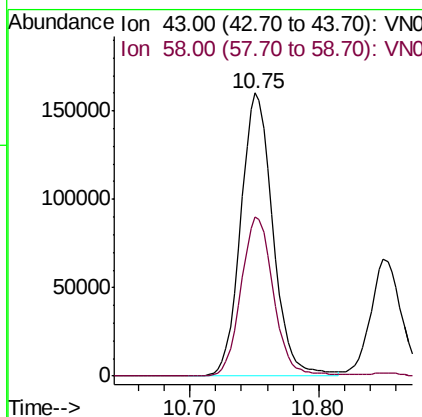
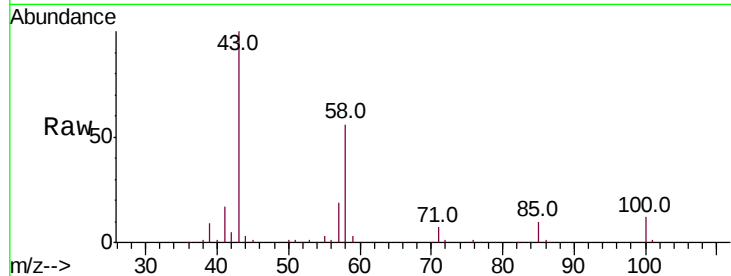
#59
2-Hexanone
Concen: 104.270 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion: 43 Resp: 278265
Ion Ratio Lower Upper
43 100
58 56.8 28.2 84.7

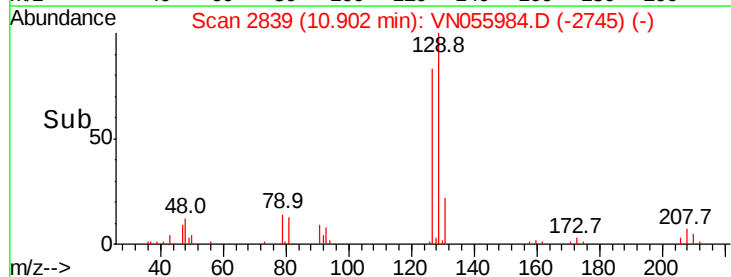
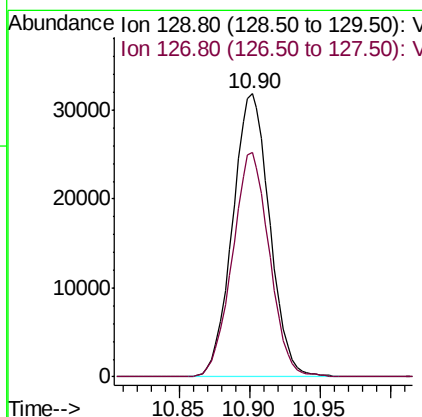
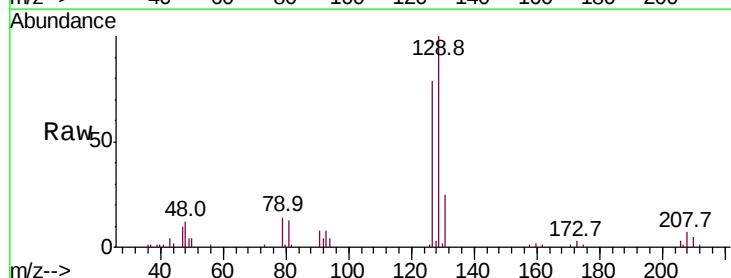
Manual Integrations
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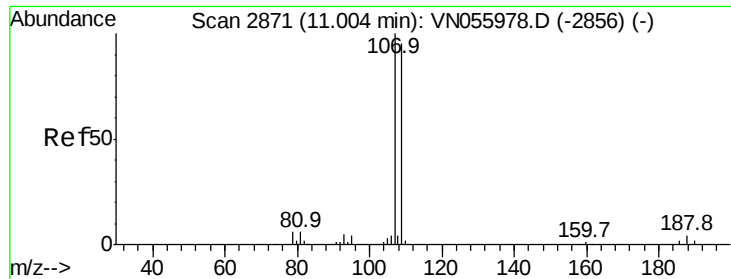
MMDadoda
6/5/2019 4:03:58 PM



#60
Dibromochloromethane
Concen: 18.973 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 129 Resp: 58581
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3





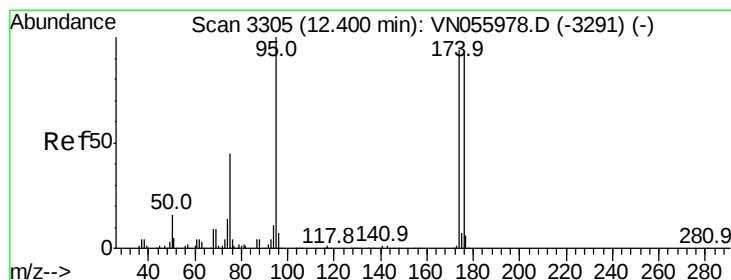
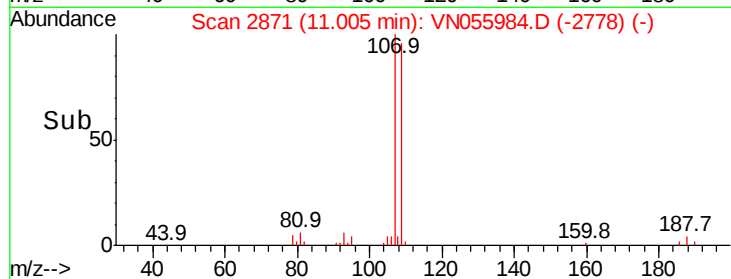
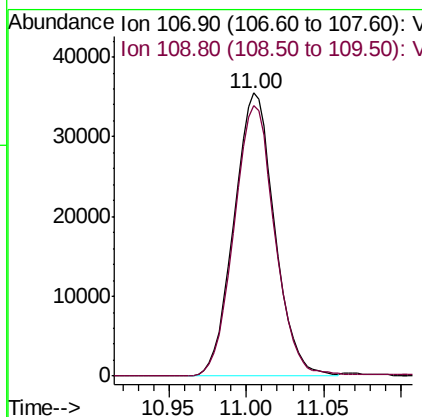
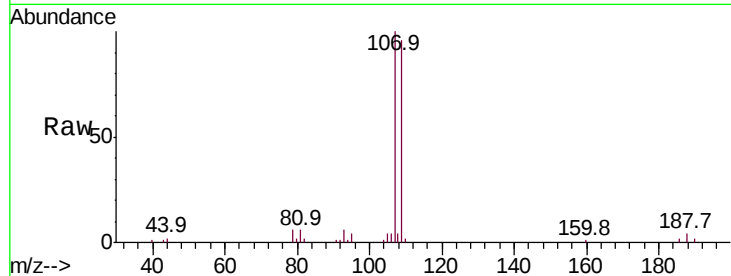
#61
 1,2-Dibromoethane
 Concen: 20.705 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	74.8	112.2

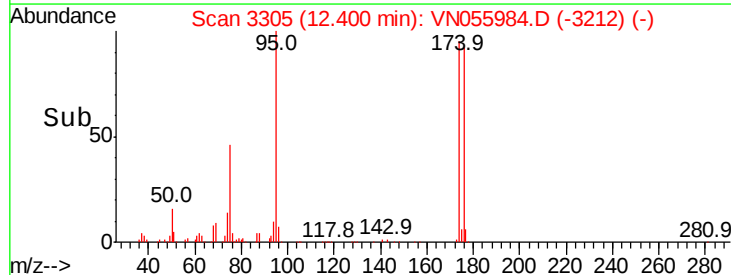
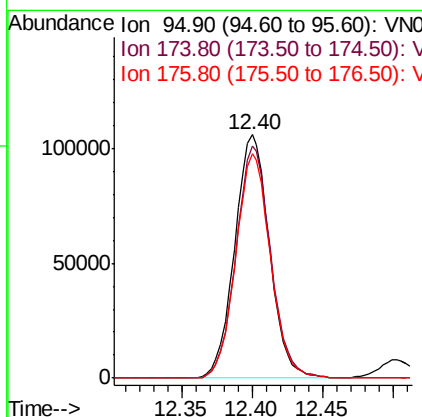
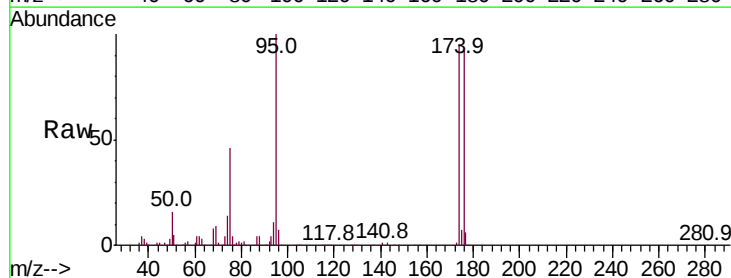
Manual Integrations
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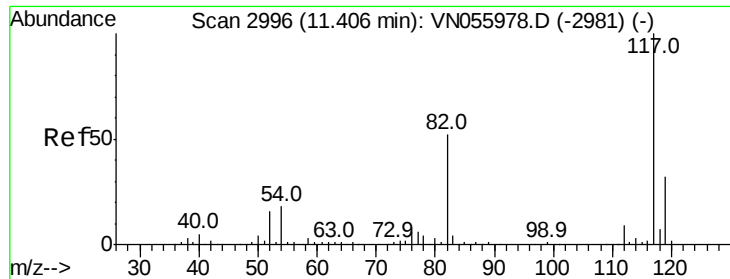
MMDadoda
 6/5/2019 4:03:58 PM



#62
 4-Bromofluorobenzene
 Concen: 48.055 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	191.0
176	91.9	0.0	185.2





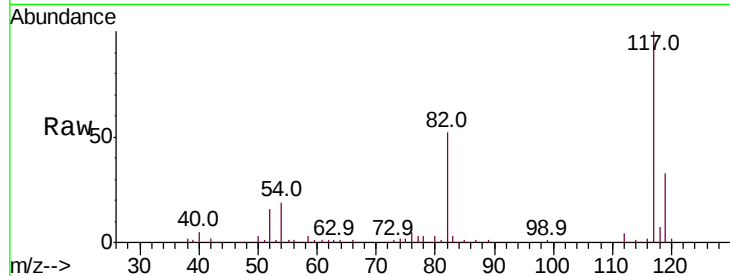
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	32.7	25.4	38.0

Manual Integrations
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MMDadoda
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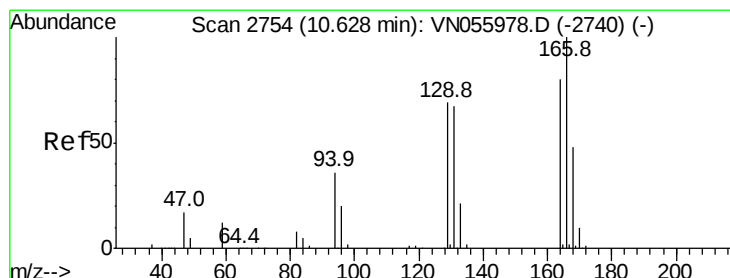
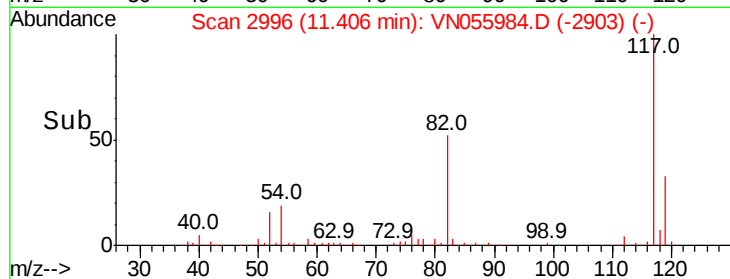
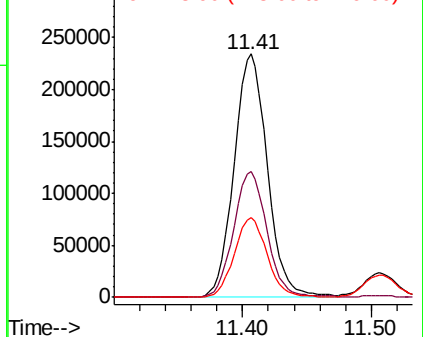


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.976 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.0	154.6
129	89.2	70.6	105.8
131	85.7	68.6	102.8

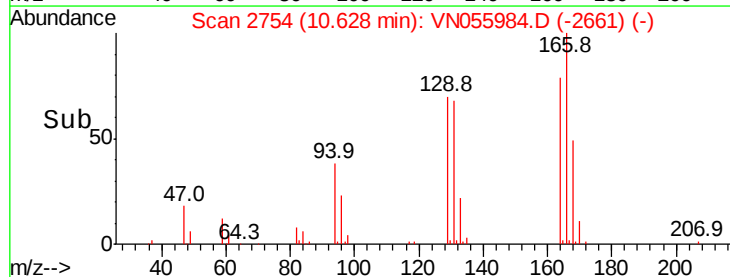
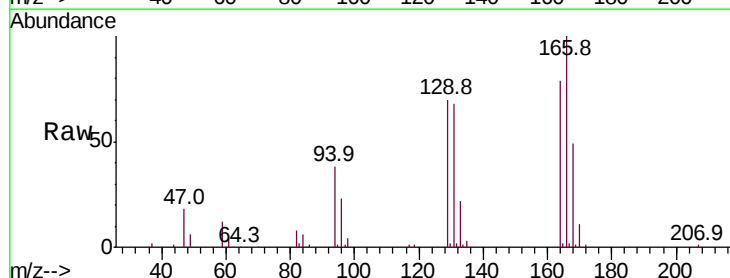
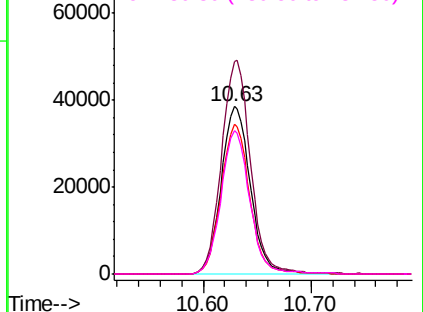
Abundance

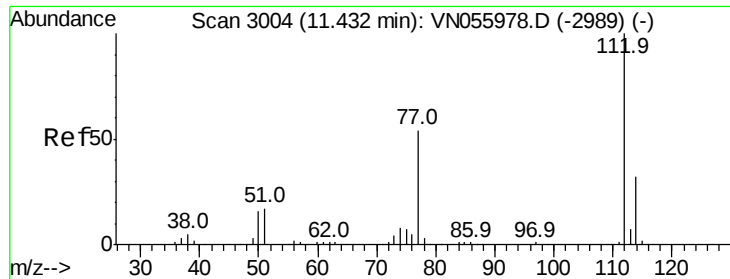
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





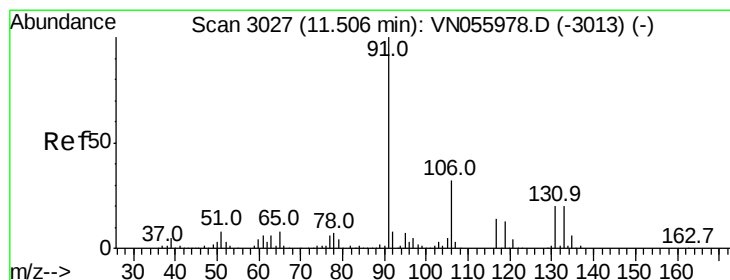
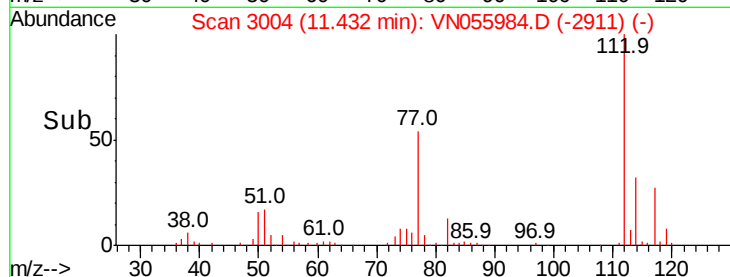
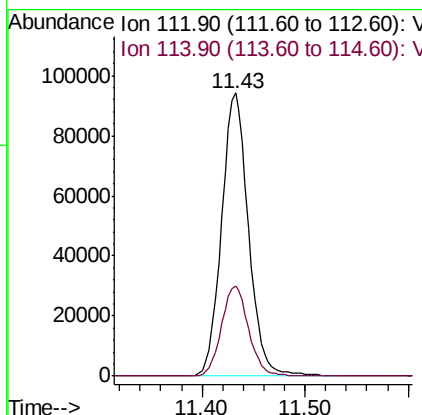
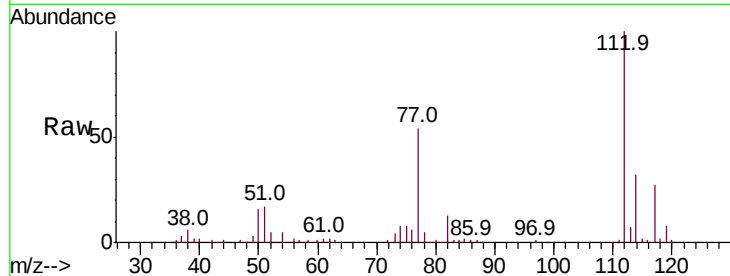
#65
Chlorobenzene
Concen: 20.443 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampled :
VN0604MBS01

Tot Ion:112 Resp: 171147
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

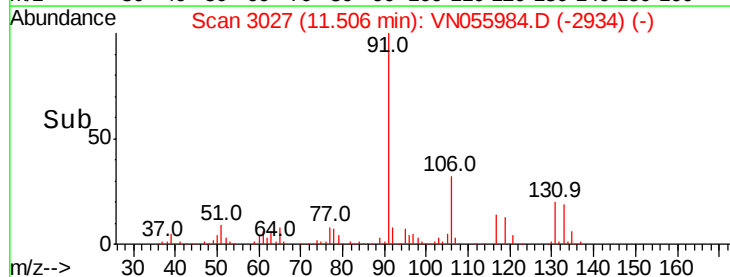
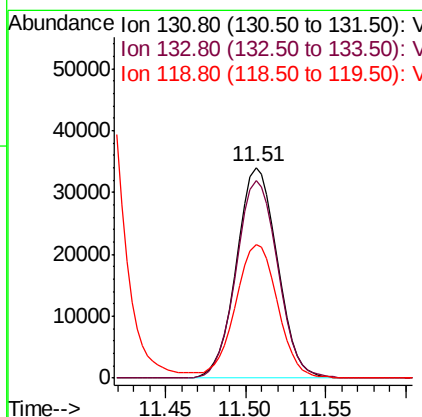
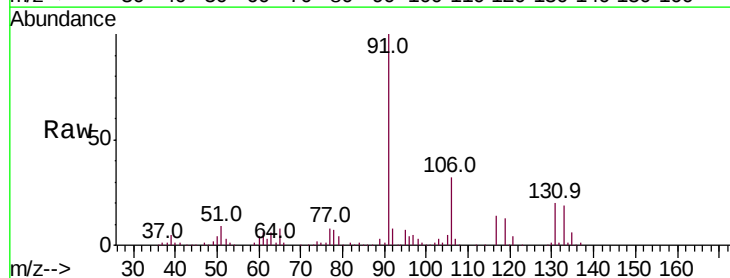
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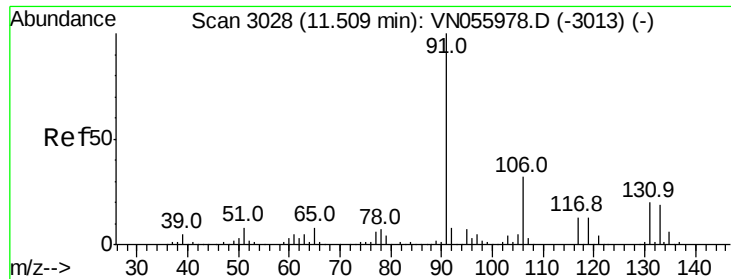
MMDadoda
6/5/2019 4:03:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.501 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion:131 Resp: 59261
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 65.9 33.1 99.5





#67

Ethyl Benzene

Concen: 20.462 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampled :

VN0604MBS01

Tot Ion: 91 Resp: 297869

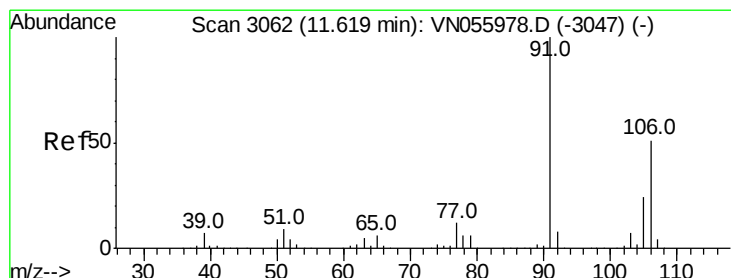
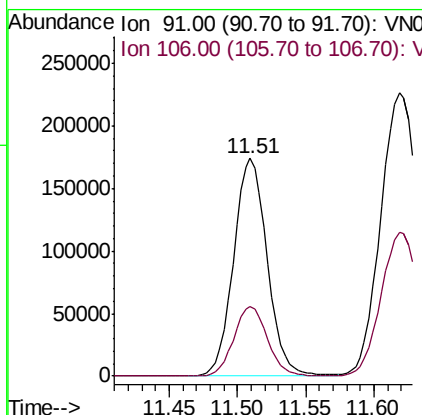
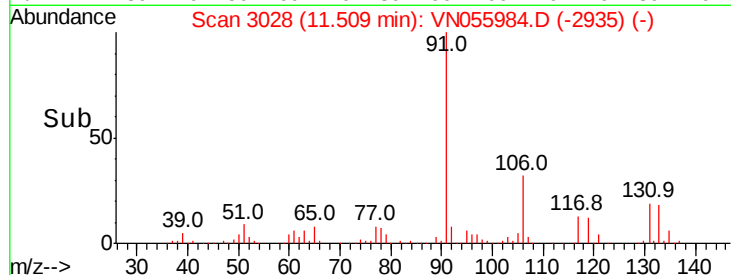
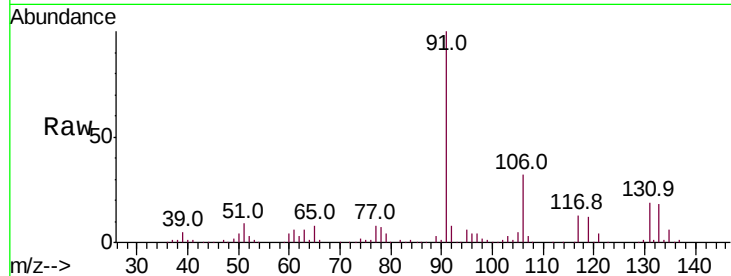
Ion Ratio Lower Upper

91 100

106 32.0 25.1 37.7

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 41.061 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055984.D

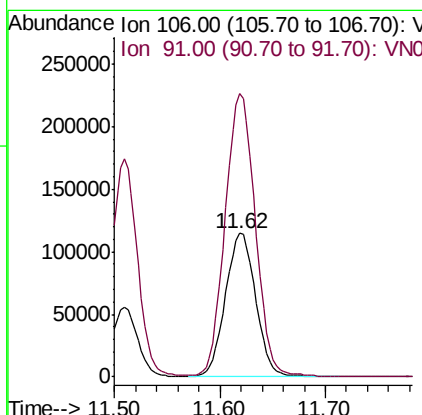
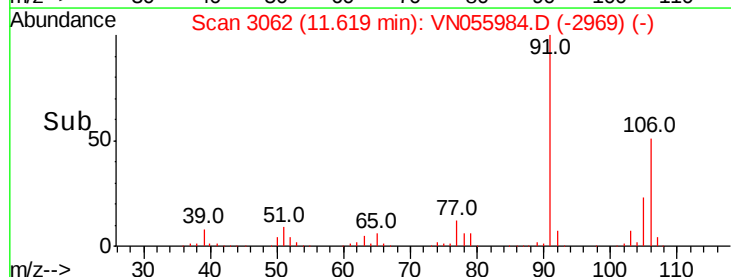
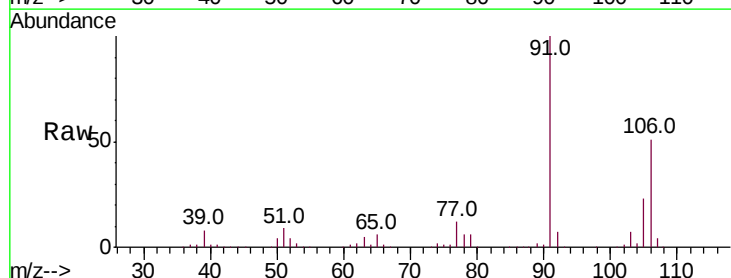
Acq: 4 Jun 2019 12:19

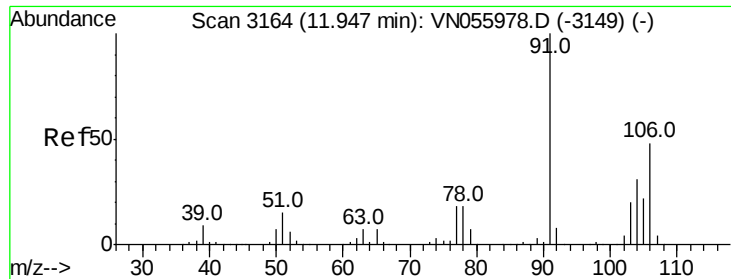
Tgt Ion: 106 Resp: 228339

Ion Ratio Lower Upper

106 100

91 197.0 159.3 238.9





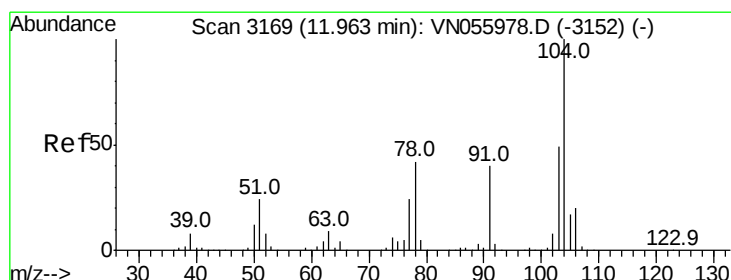
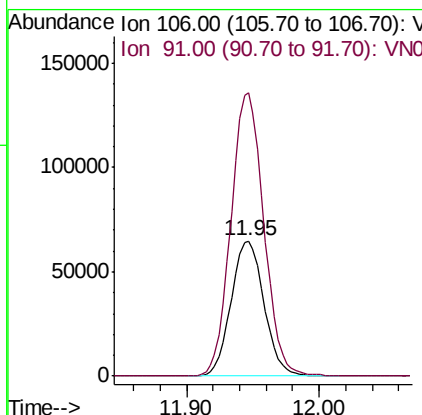
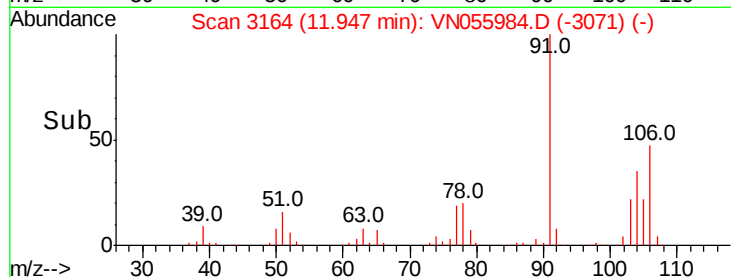
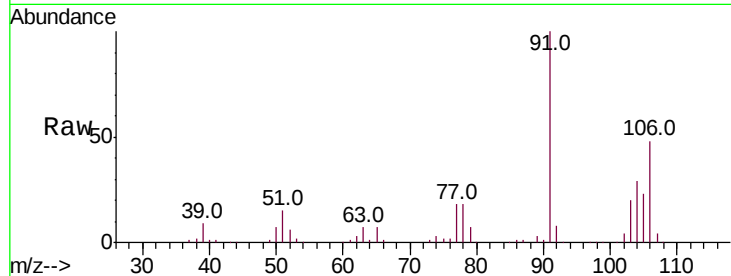
#69
o-Xylene
Concen: 20.469 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion:106 Resp: 111969
Ion Ratio Lower Upper
106 100
91 208.9 104.7 314.1

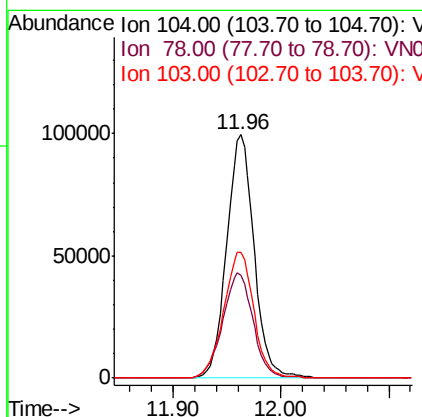
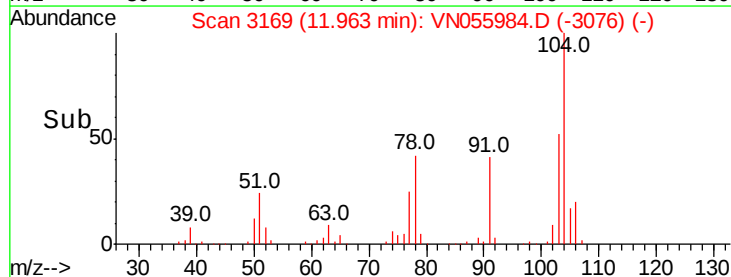
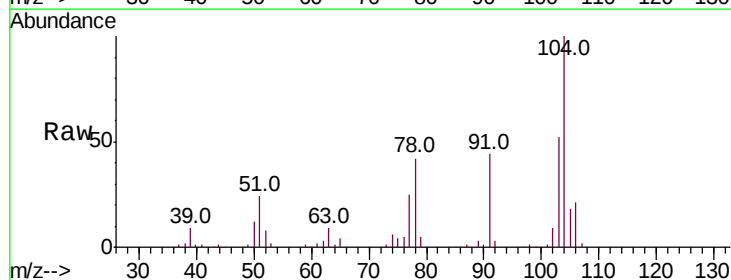
Manual Integrations
APPROVED

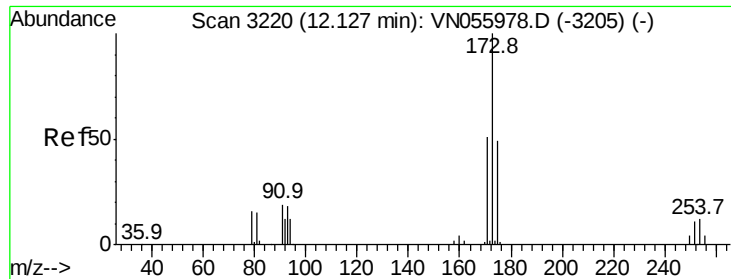
MMDadoda
6/5/2019 4:03:58 PM



#70
Styrene
Concen: 20.320 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion:104 Resp: 176607
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 56.7 44.2 66.2





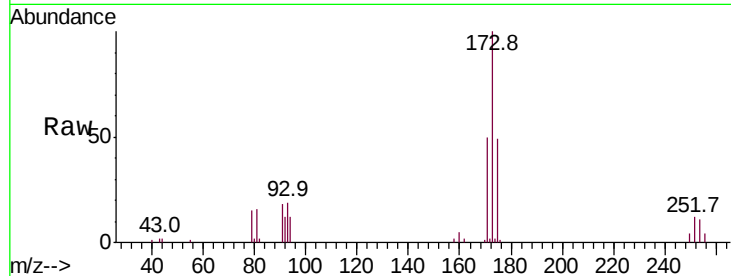
#71
Bromoform
Concen: 18.653 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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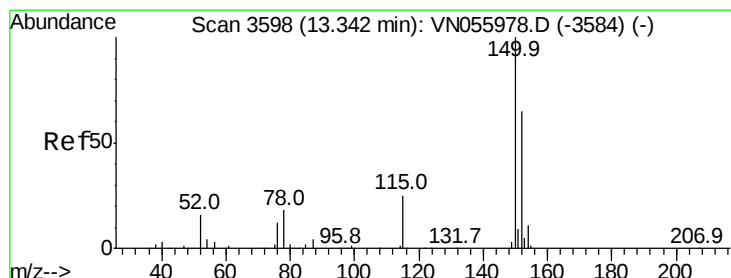
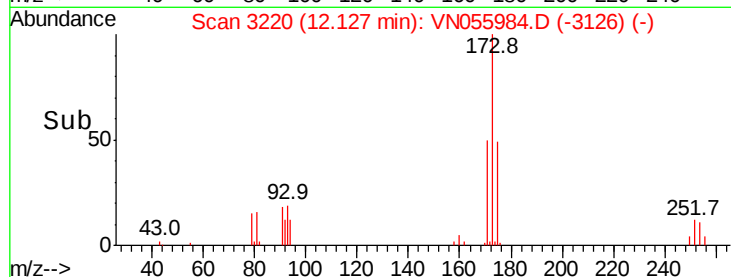
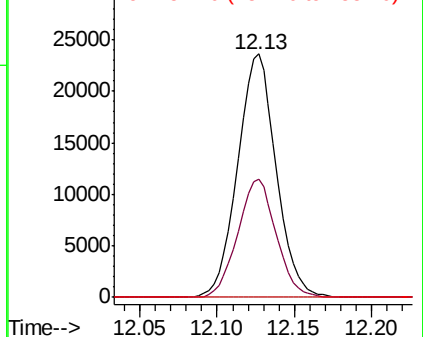


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

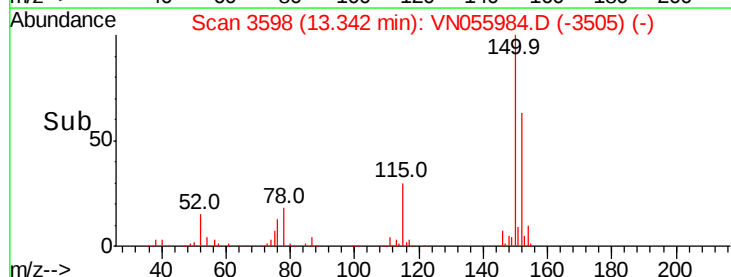
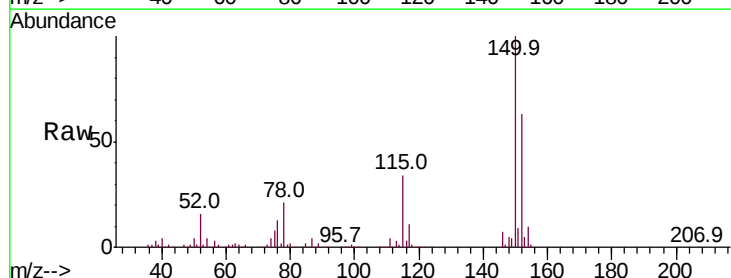
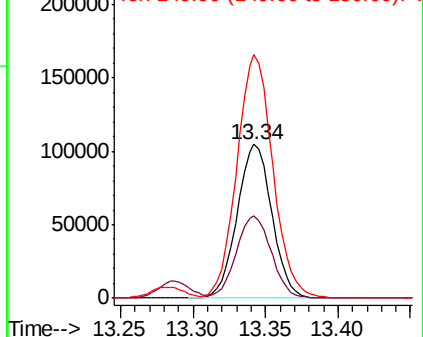
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	163.8	0.0	343.2

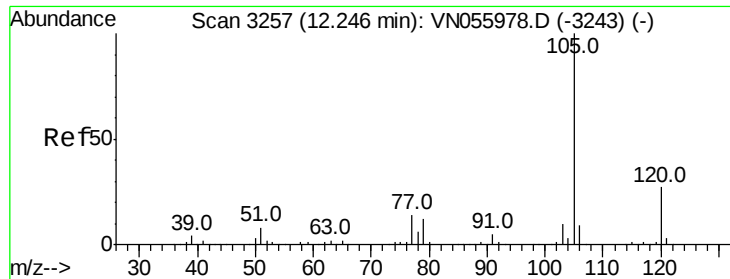
Abundance

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: 22.601 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion:105 Resp: 297196

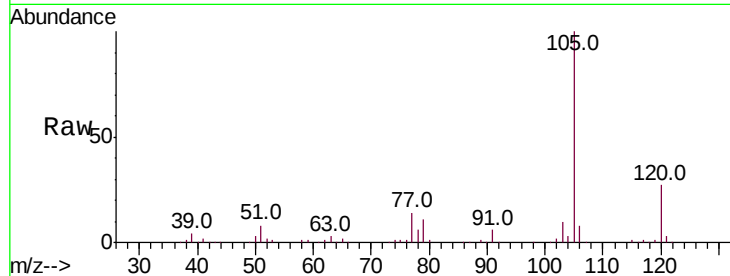
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

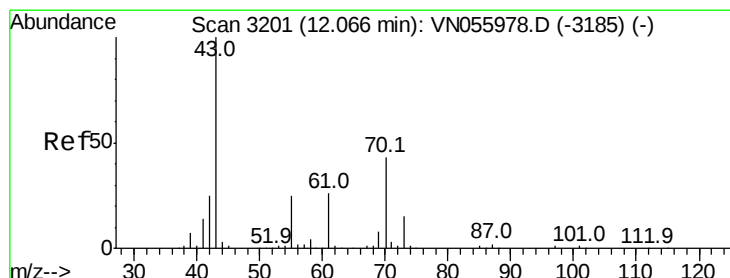
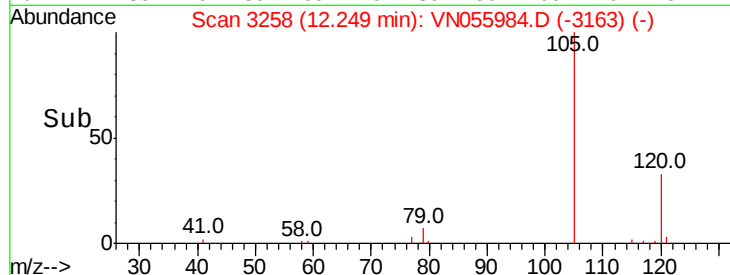
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 21.507 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion: 43 Resp: 99900

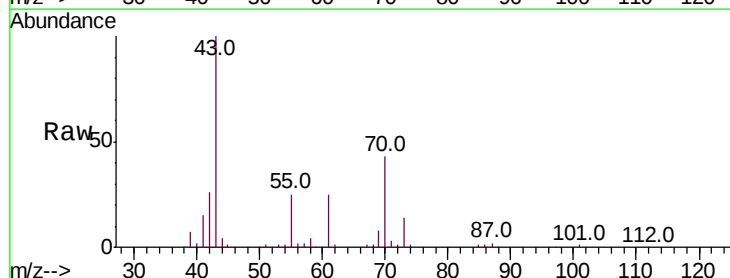
Ion Ratio Lower Upper

43 100

70 43.0 34.0 51.0

55 24.8 18.6 28.0

61 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

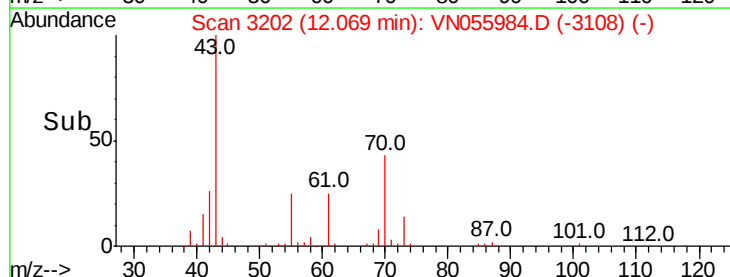
40000

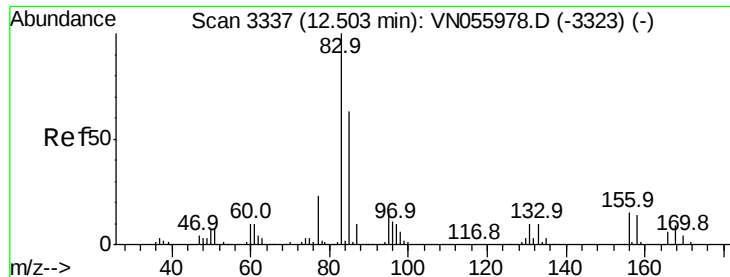
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.616 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion: 83 Resp: 87443

Ion Ratio Lower Upper

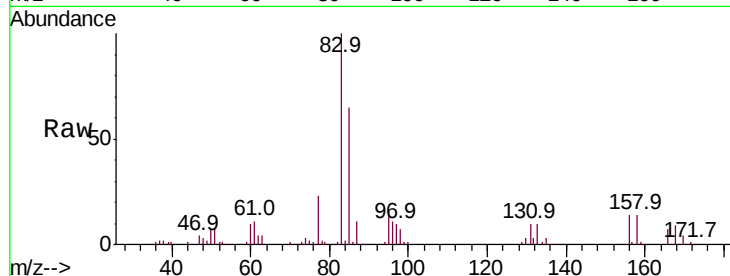
83 100

131 10.5 5.4 16.2

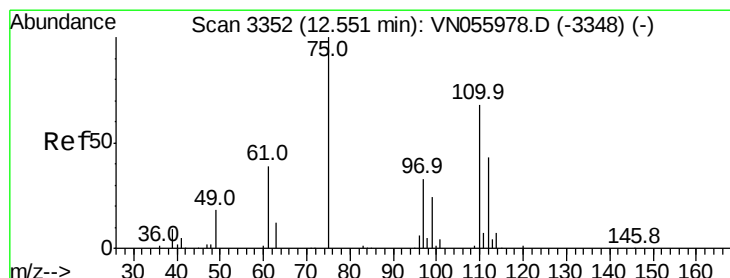
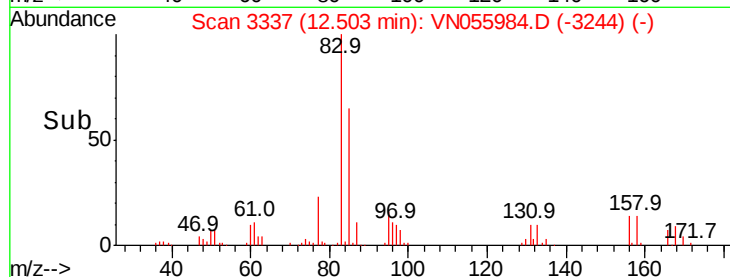
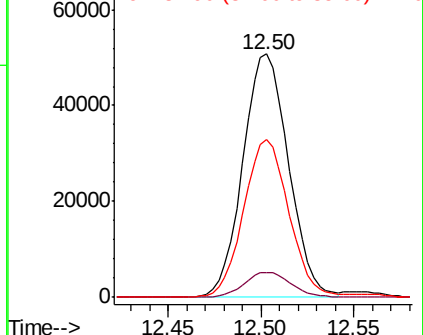
85 65.1 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 22.000 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055984.D

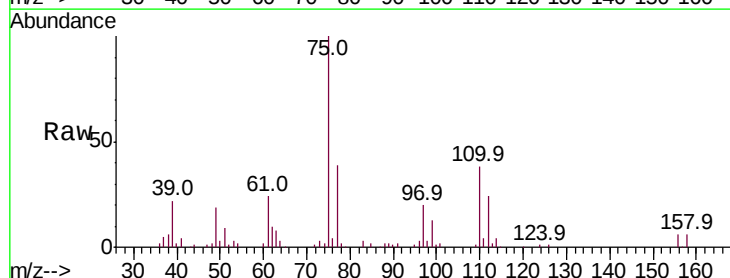
Acq: 4 Jun 2019 12:19

Tgt Ion: 75 Resp: 70541

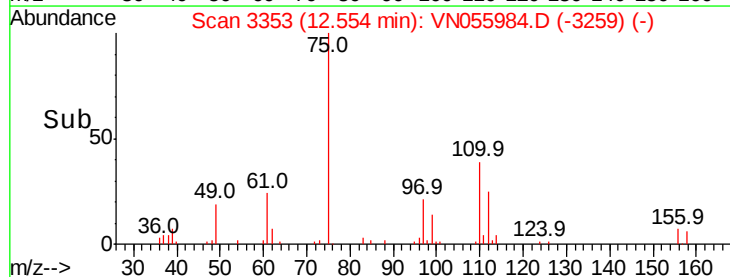
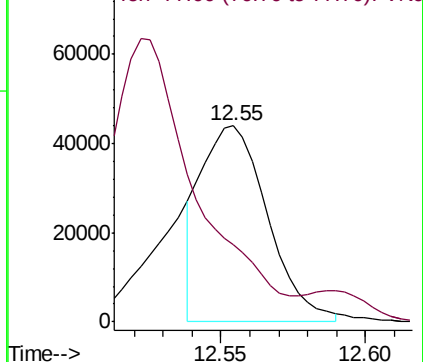
Ion Ratio Lower Upper

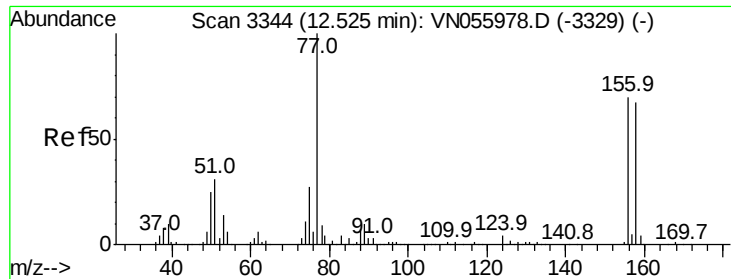
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.436 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

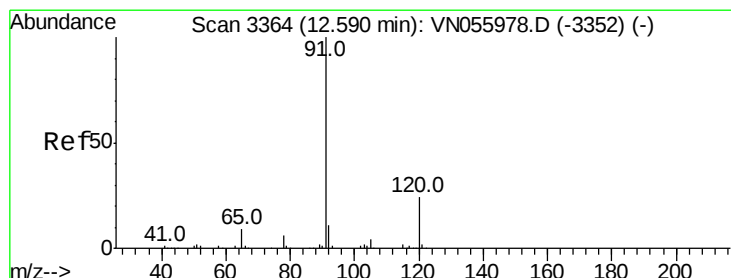
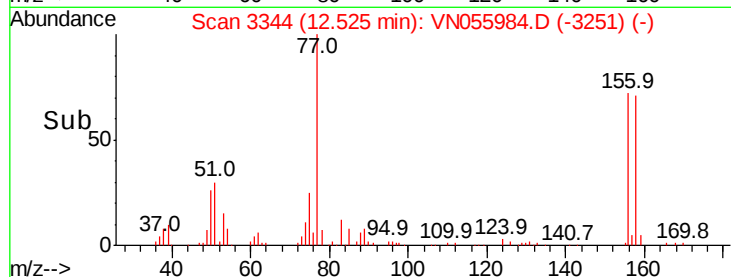
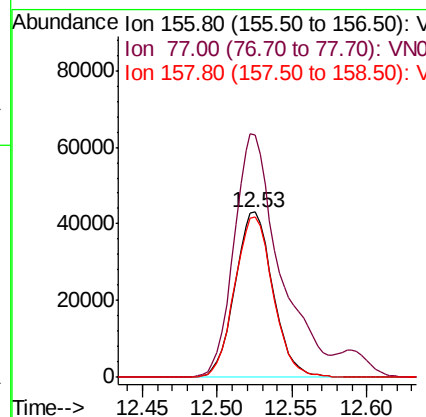
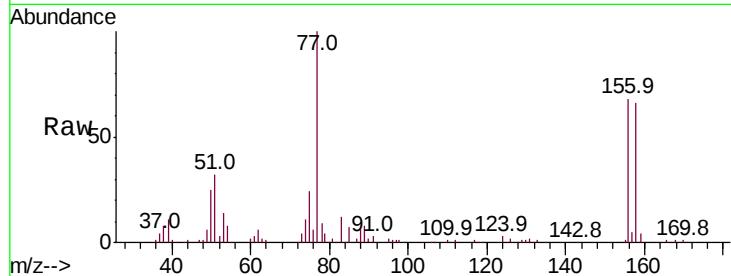
ClientSampled :

VN0604MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.7	90.8	272.5
158	98.0	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.828 ug/l

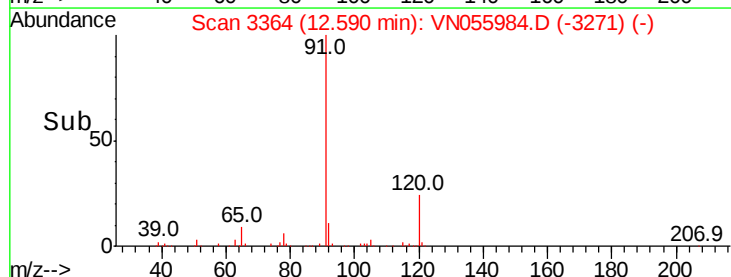
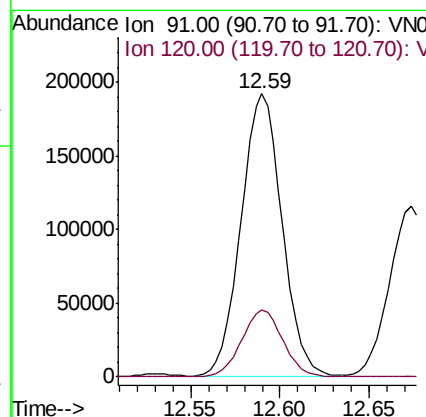
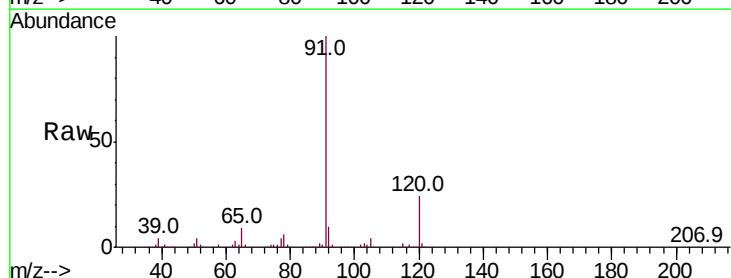
RT: 12.59 min Scan# 3364

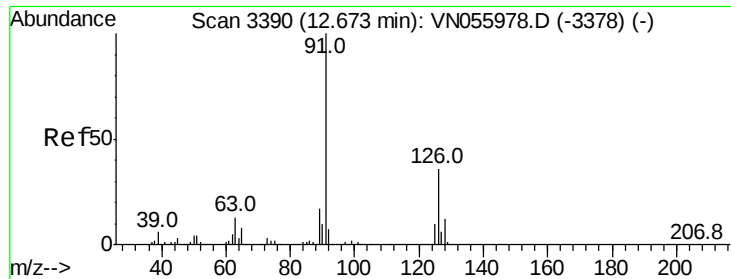
Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





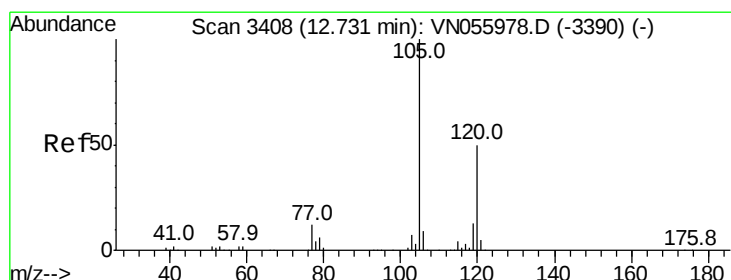
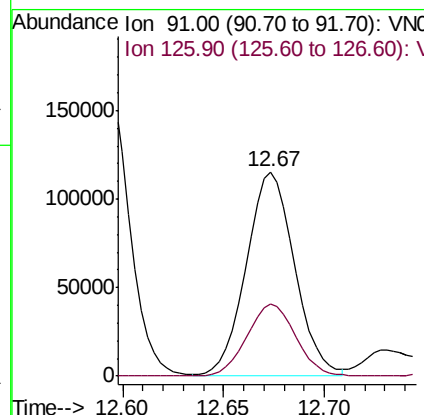
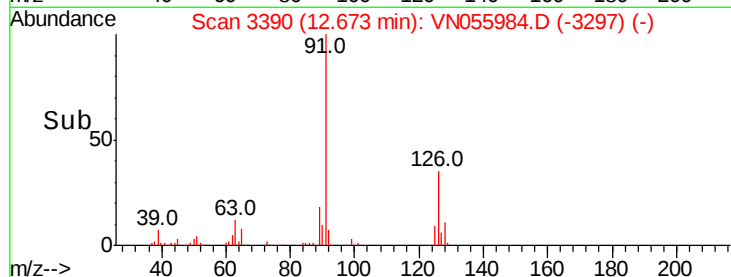
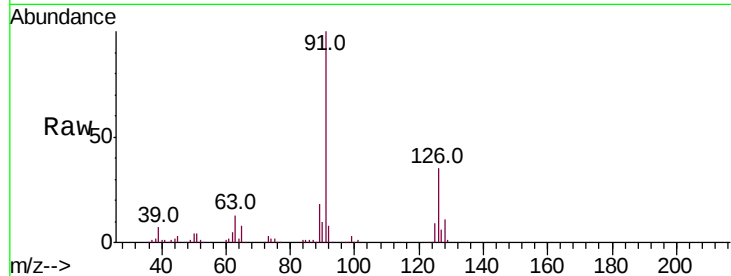
#79
2-Chlorotoluene
Concen: 22.251 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion: 91 Resp: 192483
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.4

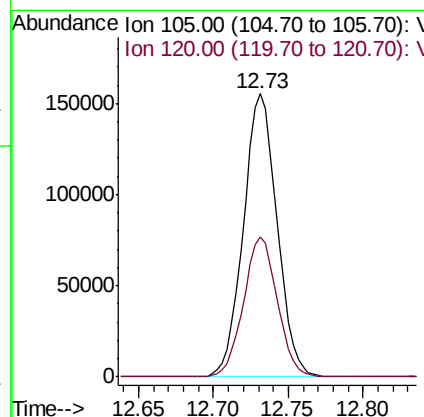
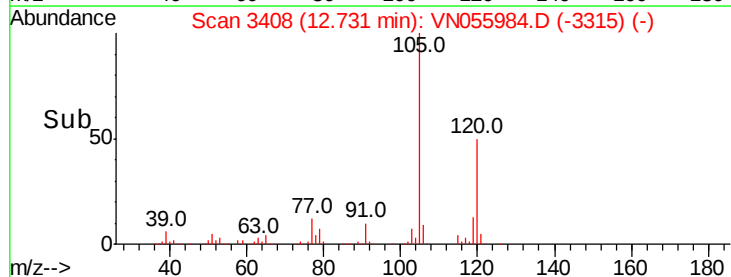
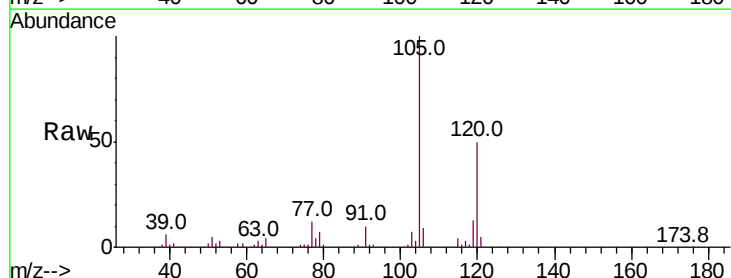
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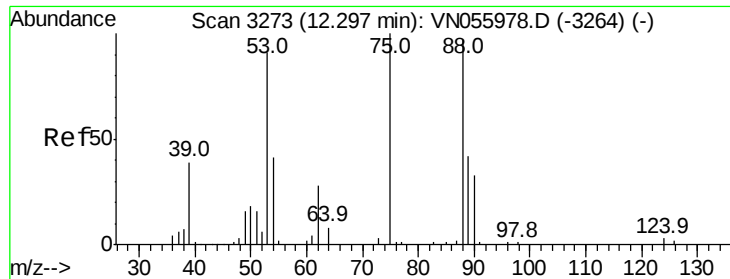
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#80
1,3,5-Trimethylbenzene
Concen: 20.754 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 105 Resp: 243158
Ion Ratio Lower Upper
105 100
120 49.6 24.7 74.1





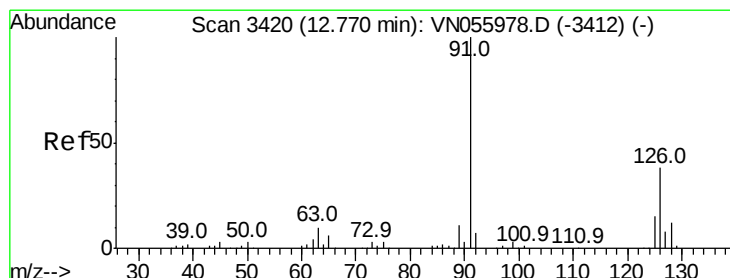
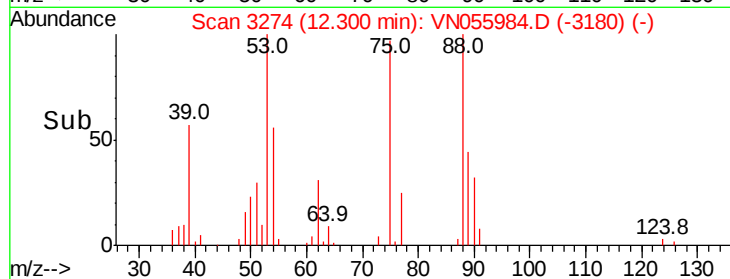
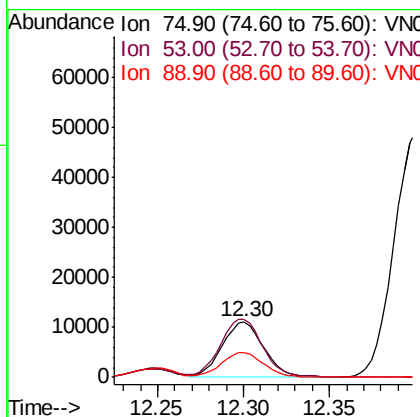
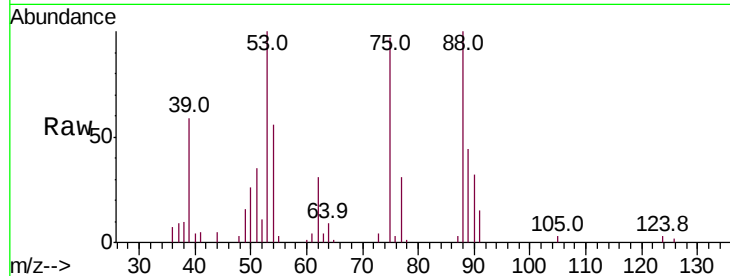
#81
trans-1,4-Dichloro-2-butene
Concen: 19.688 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion: 75 Resp: 18956
Ion Ratio Lower Upper
75 100
53 104.9 68.1 102.1#
89 44.9 36.9 55.3

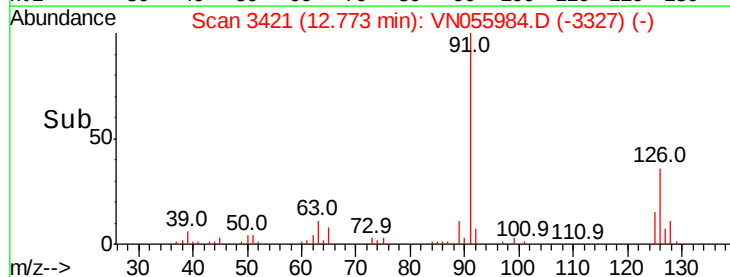
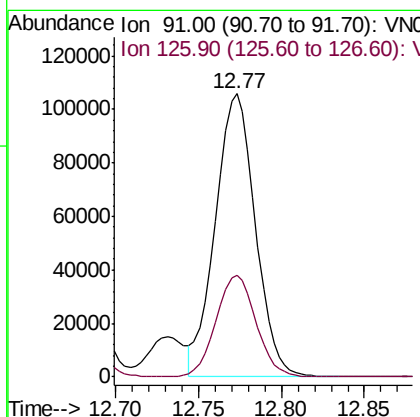
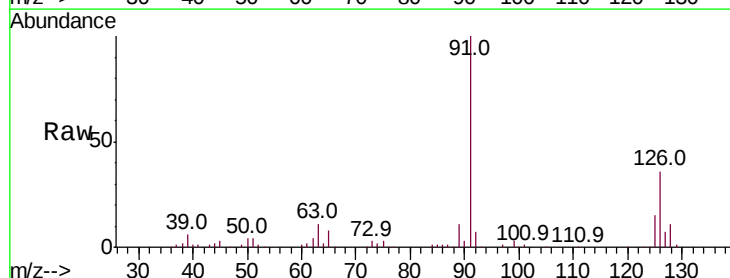
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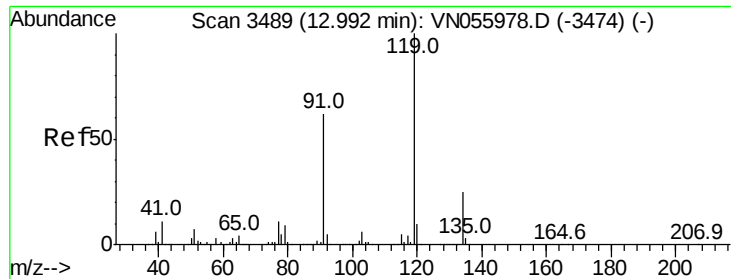
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#82
4-Chlorotoluene
Concen: 20.615 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion: 91 Resp: 177799
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.3





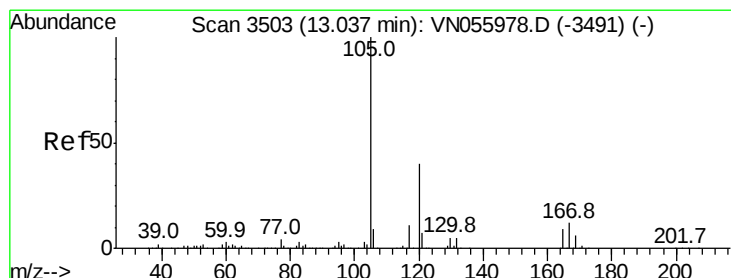
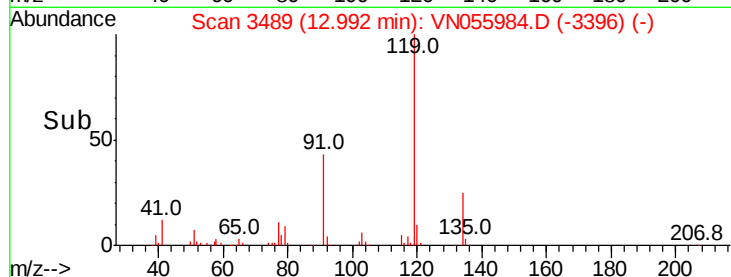
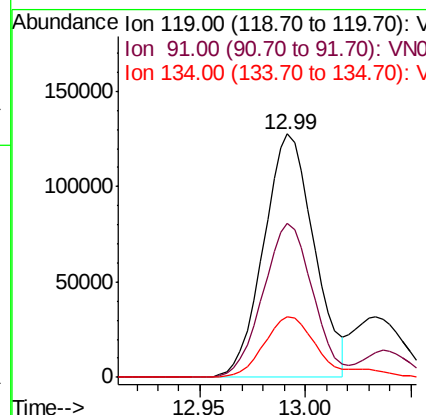
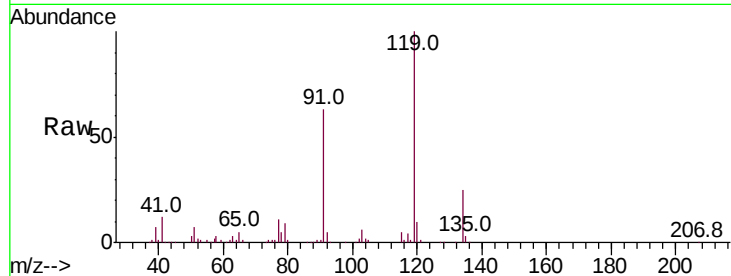
#83
tert-Butylbenzene
Concen: 21.830 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.9	92.8
134	25.2	13.3	39.8

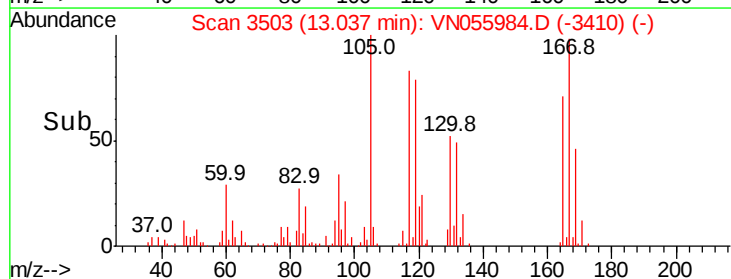
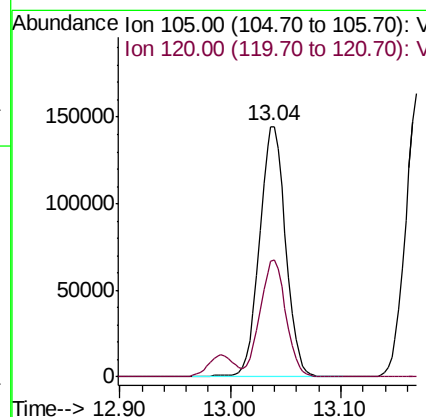
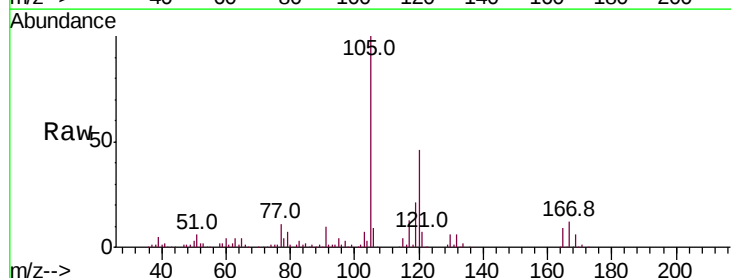
Manual Integrations
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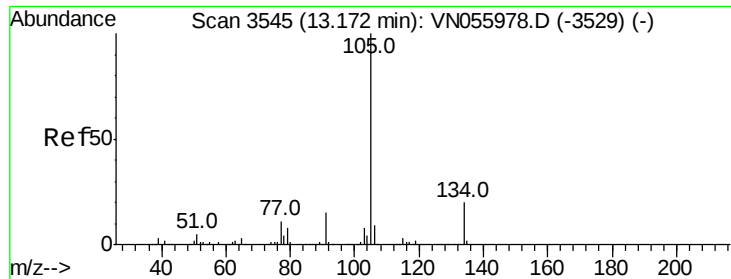
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#84
1,2,4-Trimethylbenzene
Concen: 21.340 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.691 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0604MBS01

Tot Ion:105 Resp: 270127

Ion Ratio Lower Upper

105 100

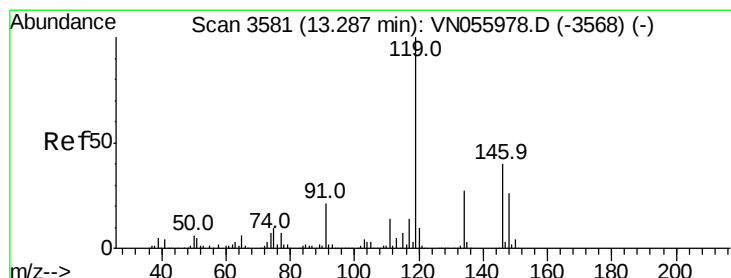
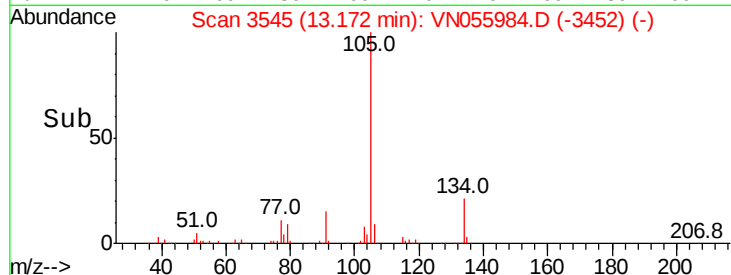
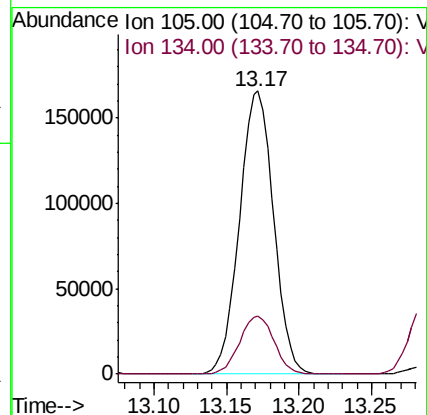
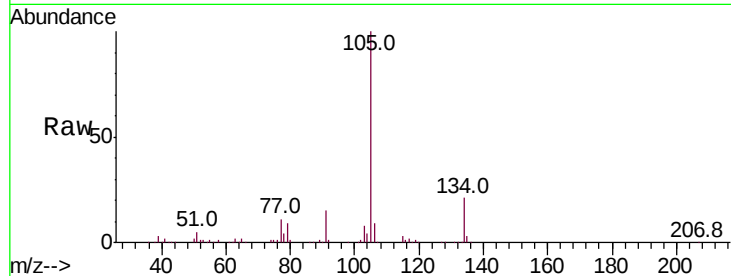
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.835 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

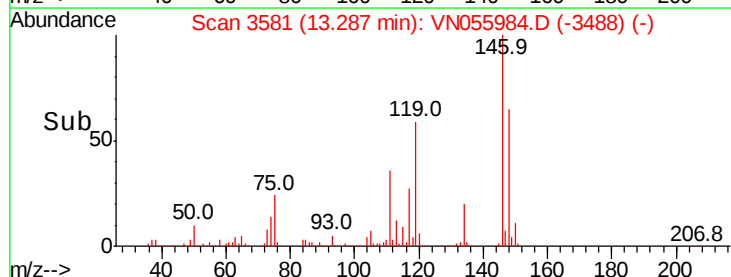
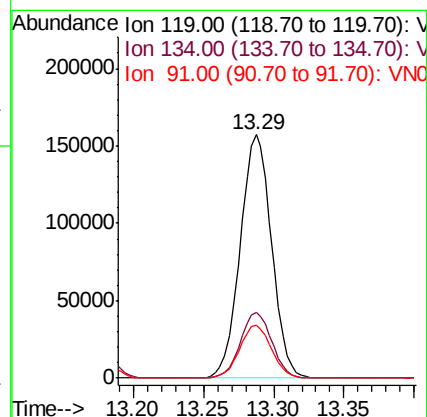
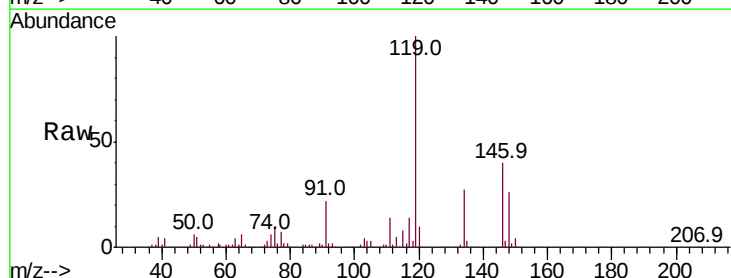
Tgt Ion:119 Resp: 243437

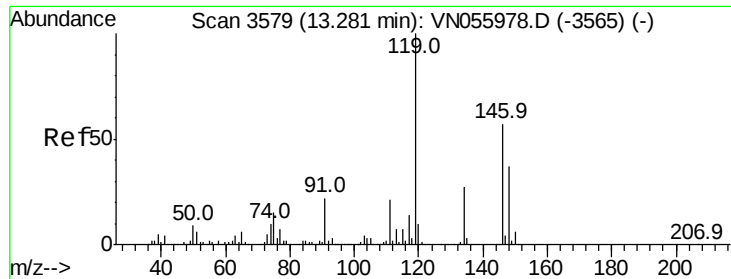
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.1 10.9 32.9





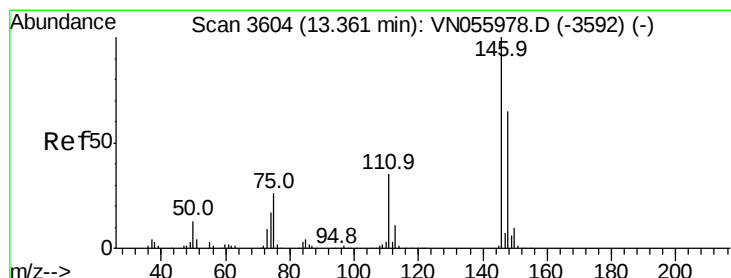
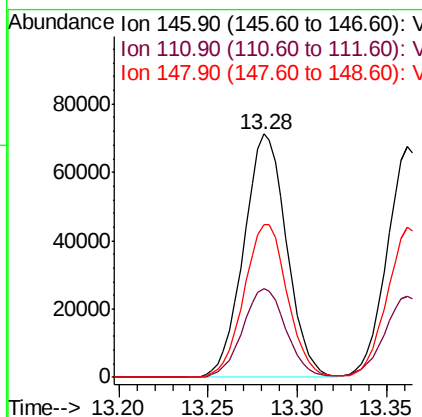
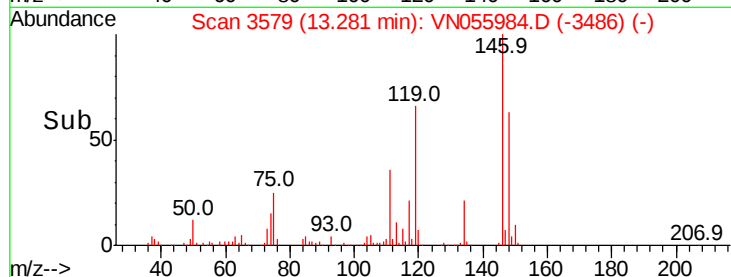
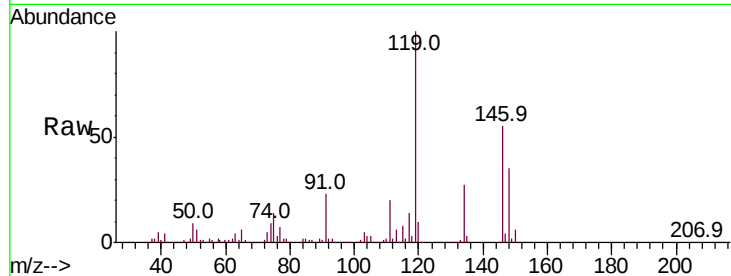
#87
 1,3-Dichlorobenzene
 Concen: 20.699 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119521		
111	36.8	18.5	55.5	
148	63.5	32.0	96.2	

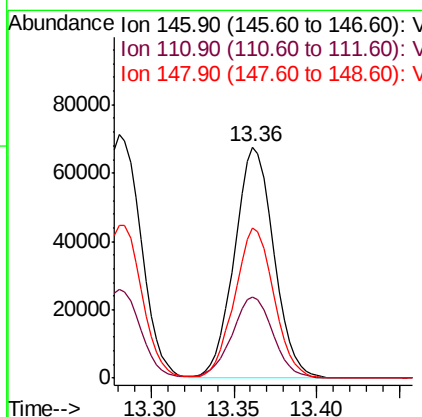
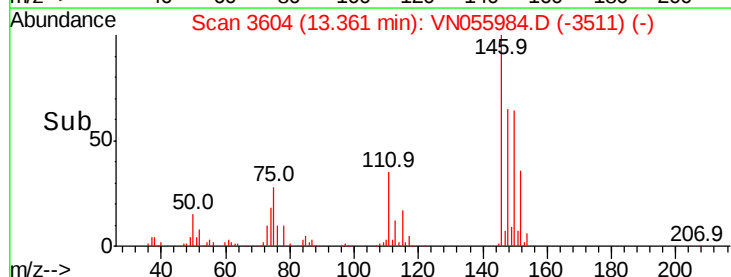
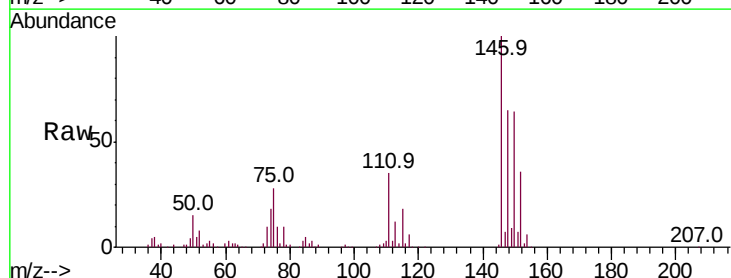
Manual Integrations
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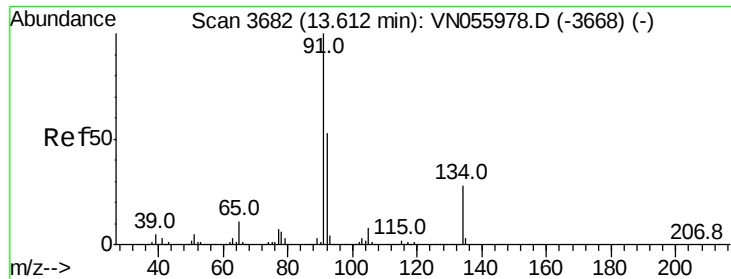
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#88
 1,4-Dichlorobenzene
 Concen: 20.204 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112221		
111	36.6	18.1	54.4	
148	64.8	32.1	96.5	





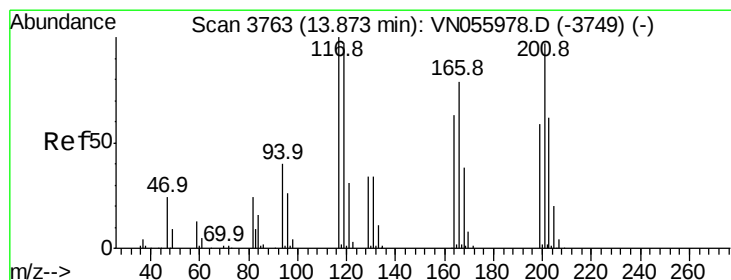
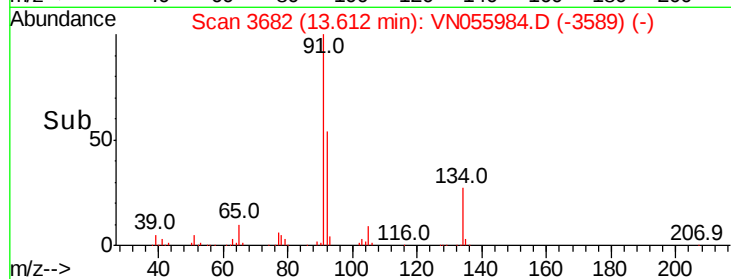
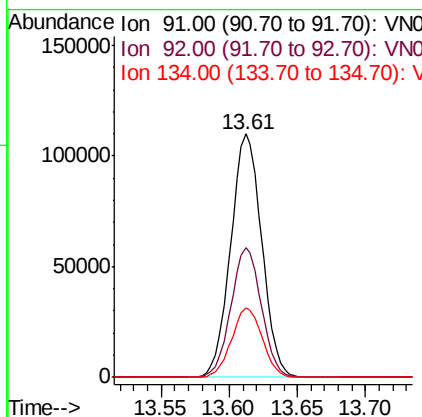
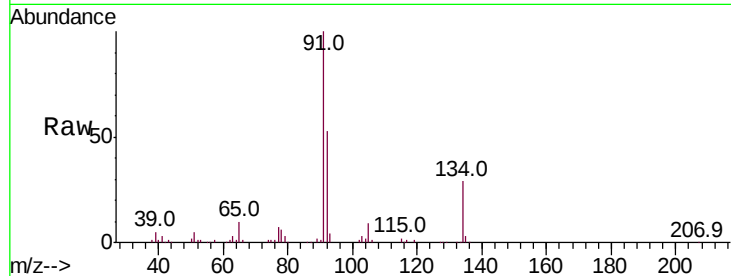
#89
n-Butylbenzene
Concen: 20.083 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0604MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.0
134	28.2	13.9	41.7

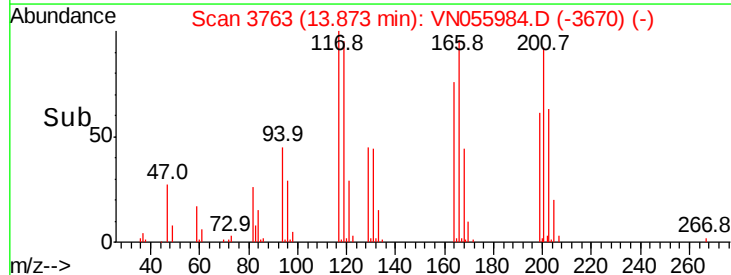
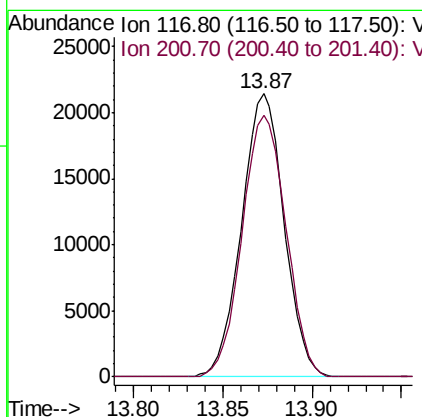
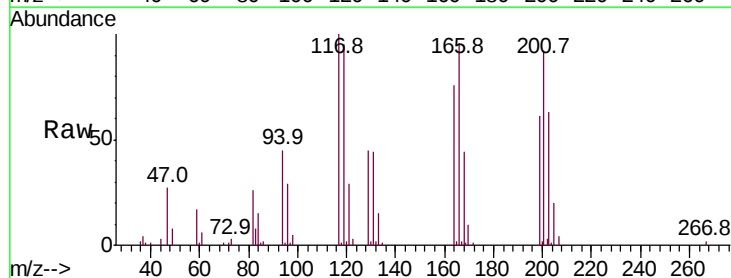
Manual Integrations
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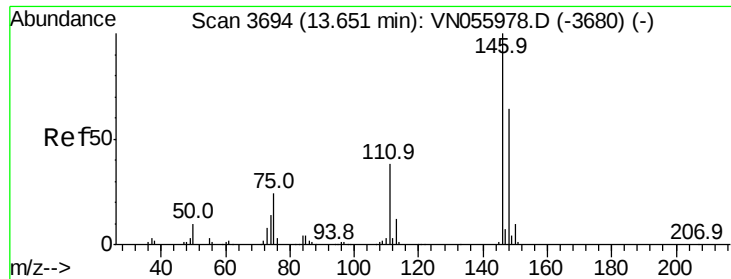
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#90
Hexachloroethane
Concen: 20.221 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055984.D
Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	50.0	150.0





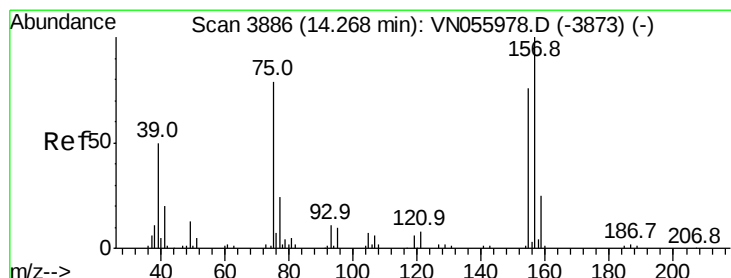
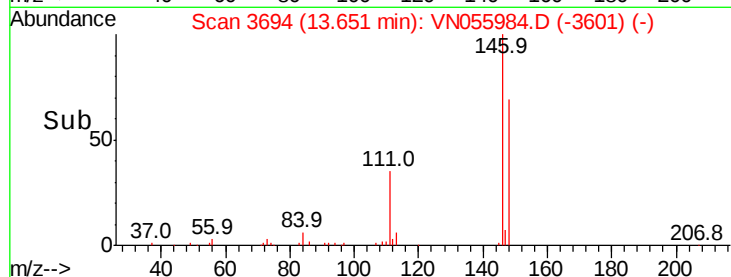
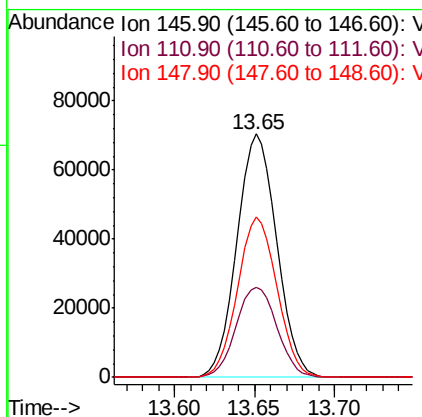
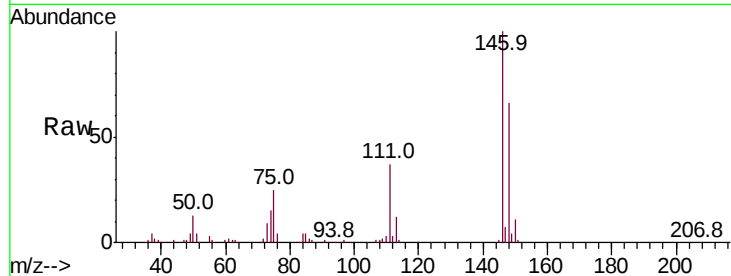
#91
 1,2-Dichlorobenzene
 Concen: 20.492 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	65.2	31.9	95.9

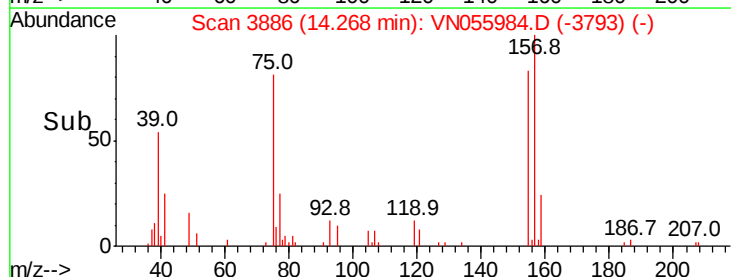
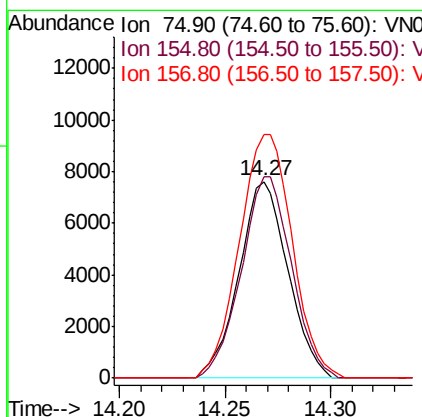
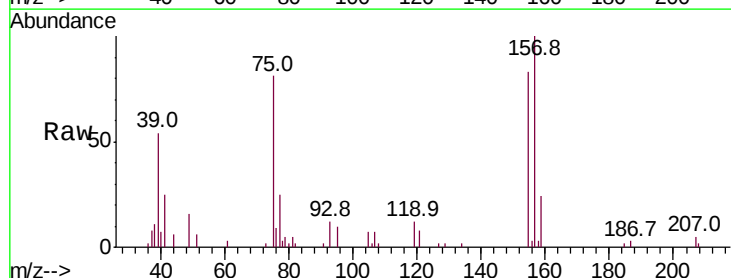
Manual Integrations
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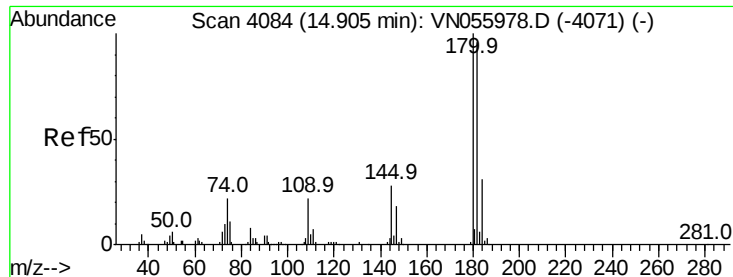
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.220 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	50.0	150.1
157	134.0	64.8	194.3





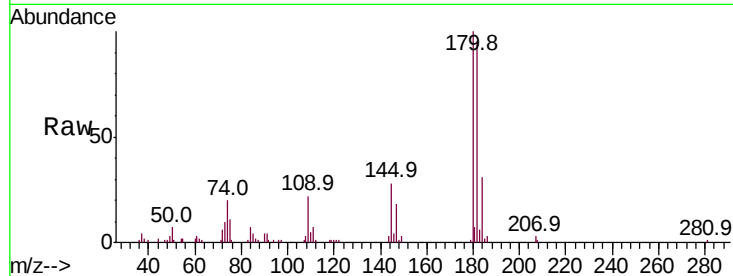
#93
 1,2,4-Trichlorobenzene
 Concen: 18.159 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604MBS01

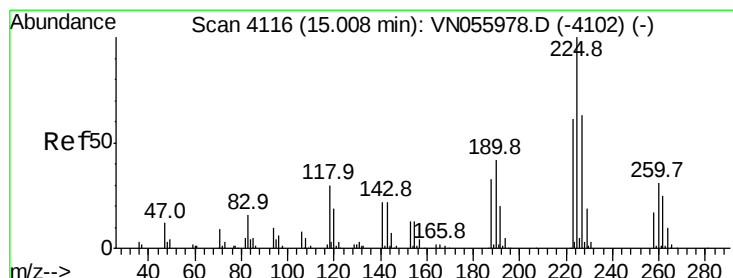
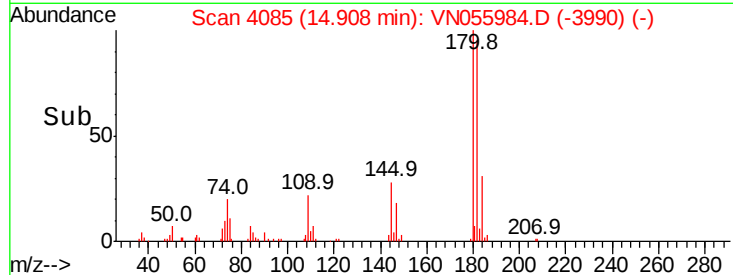
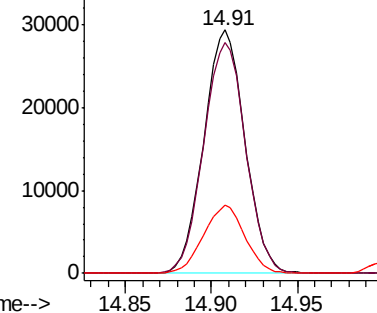
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	48.3	144.9	
145	28.0	14.0	41.9	

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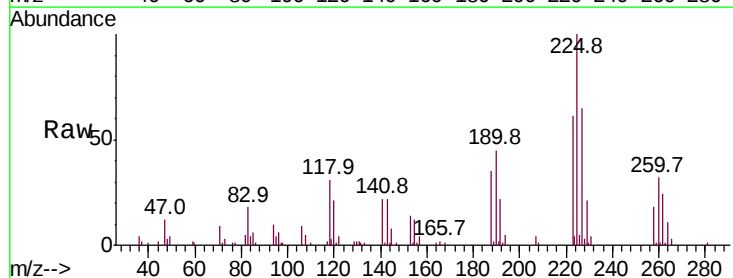


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

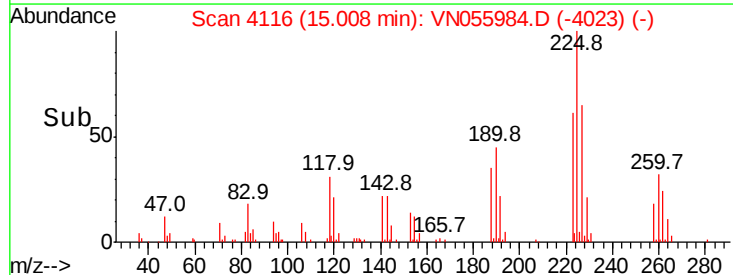
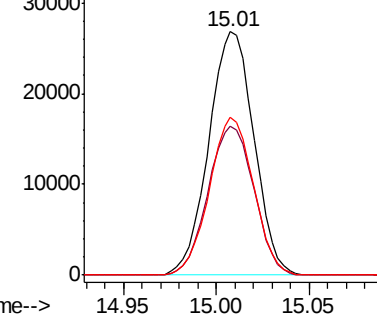


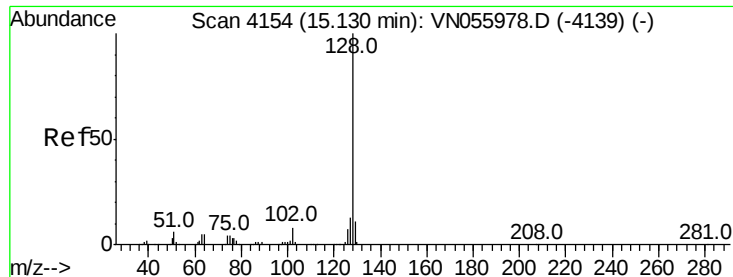
#94
 Hexachlorobutadiene
 Concen: 21.485 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055984.D
 Acq: 4 Jun 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.9	92.7	
227	63.3	31.6	94.7	



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: 18.560 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Instrument :

MSVOA_N

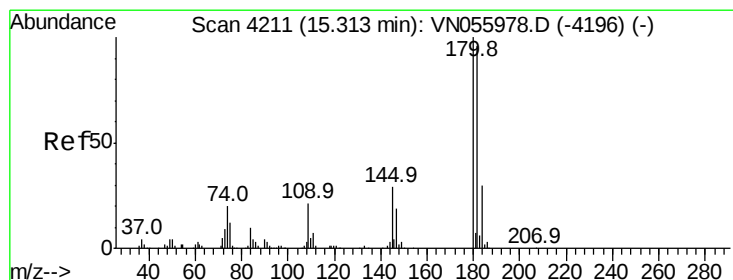
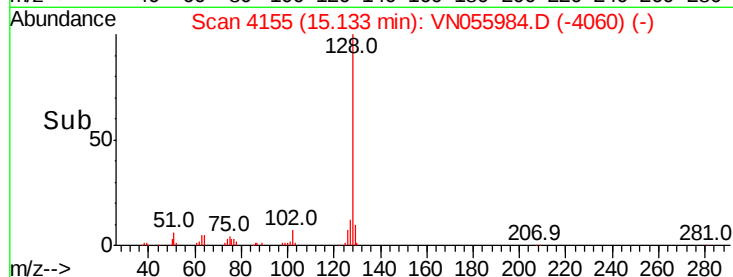
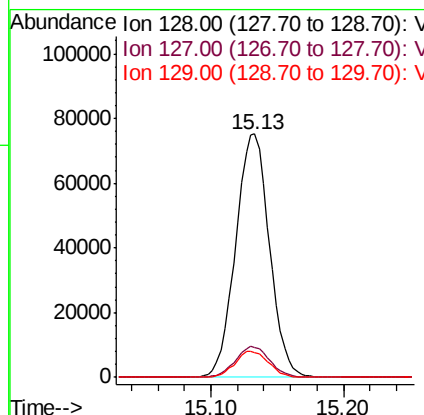
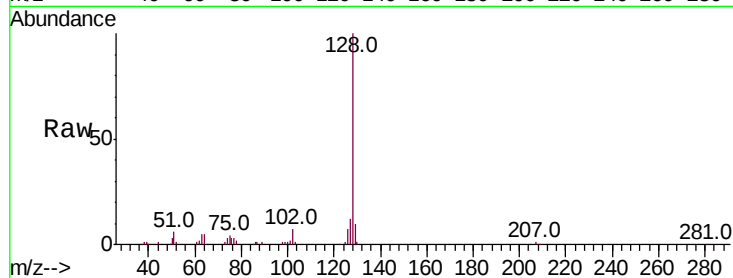
ClientSampled :

VN0604MBS01

Tot Ion:	128	Resp:	132823
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.099 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055984.D

Acq: 4 Jun 2019 12:19

Tgt Ion:	180	Resp:	56001
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	29.0	14.9	44.7

