

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055829.D
 Acq On : 25 May 2019 5:54
 Operator : JC/SP
 Sample : K3037-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:49 AM

Quant Time: May 26 23:24:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516410	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	182394	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	165934	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	621990	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	215089	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110696	46.376	ug/l	100
3) Chloromethane	2.06	50	159278	47.627	ug/l	99
4) Vinyl Chloride	2.18	62	169101	47.407	ug/l	99
5) Bromomethane	2.55	94	113206	50.729	ug/l	100
6) Chloroethane	2.69	64	106639	49.655	ug/l	99
7) Trichlorofluoromethane	3.01	101	227055	48.553	ug/l	99
8) Diethyl Ether	3.40	74	100312	47.859	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138212	47.346	ug/l	97
10) Methyl Iodide	3.94	142	216895	50.820	ug/l	99
11) Tert butyl alcohol	4.81	59	142343	203.401	ug/l	100
12) 1,1-Dichloroethene	3.72	96	144228	47.816	ug/l	98
13) Acrolein	3.60	56	93672	186.934	ug/l	96
14) Allyl chloride	4.32	41	222942	43.115	ug/l	99
15) Acrylonitrile	4.99	53	378878	235.774	ug/l	100
16) Acetone	3.82	43	309666	192.336	ug/l	100
17) Carbon Disulfide	4.04	76	368446	42.994	ug/l	100
18) Methyl Acetate	4.33	43	123721	37.482	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	483382	48.051	ug/l	98
20) Methylene Chloride	4.55	84	168204	48.240	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	155605	48.019	ug/l	97
22) Diisopropyl ether	5.96	45	482141	47.940	ug/l	97
23) Vinyl Acetate	5.90	43	1540084	178.606	ug/l	100
24) 1,1-Dichloroethane	5.84	63	278681	47.593	ug/l	99
25) 2-Butanone	6.84	43	483740	215.136	ug/l	99
26) 2,2-Dichloropropane	6.82	77	138203	27.271	ug/l	94
27) cis-1,2-Dichloroethene	6.82	96	198667	52.549	ug/l	94
28) Bromochloromethane	7.19	49	137040	49.155	ug/l	96
29) Tetrahydrofuran	7.22	42	327178	229.771	ug/l	99
30) Chloroform	7.37	83	285984	48.973	ug/l	100
31) Cyclohexane	7.65	56	253856	46.176	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	250700	48.109	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208034	46.227	ug/l	99
37) Ethyl Acetate	6.93	43	164672	37.860	ug/l	99
38) Carbon Tetrachloride	7.77	117	221096	47.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254442	45.658	ug/l	99
40) Benzene	8.04	78	663299	48.905	ug/l	100
41) Methacrylonitrile	7.17	41	90812	41.327	ug/l	90
42) 1,2-Dichloroethane	8.12	62	214335	48.362	ug/l	100
43) Isopropyl Acetate	8.17	43	293878	40.213	ug/l #	91
44) Trichloroethene	8.83	130	189399	50.090	ug/l	99
45) 1,2-Dichloropropane	9.12	63	173716	49.159	ug/l	100
46) Dibromomethane	9.21	93	114734	49.508	ug/l	98
47) Bromodichloromethane	9.40	83	224441	47.230	ug/l	99
48) Methyl methacrylate	9.20	41	164722	48.907	ug/l	99
49) 1,4-Dioxane	9.20	88	62400	891.539	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1026846	237.910	ug/l	99
52) Toluene	10.16	92	425803	49.917	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	223971	44.154	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	251500	44.757	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	168205	49.222	ug/l	100
56) Ethyl methacrylate	10.43	69	258594	48.964	ug/l	100
57) 1,3-Dichloropropane	10.71	76	271016	48.790	ug/l	100
59) 2-Hexanone	10.75	43	702546	229.449	ug/l	100
60) Dibromochloromethane	10.90	129	193381	48.577	ug/l	99
61) 1,2-Dibromoethane	11.00	107	173158	48.852	ug/l	97
64) Tetrachloroethene	10.63	164	186381	47.592	ug/l	98
65) Chlorobenzene	11.43	112	458633	49.341	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	176459	47.598	ug/l	100
67) Ethyl Benzene	11.51	91	796981	47.812	ug/l	98
68) m/p-Xylenes	11.62	106	614965	97.587	ug/l	99
69) o-Xylene	11.95	106	304947	48.775	ug/l	100
70) Stvrene	11.96	104	499215	49.306	ug/l	99
71) Bromoform	12.13	173	149436	47.258	ug/l #	100
73) Isopropylbenzene	12.25	105	796882	52.381	ug/l	100
74) N-amyl acetate	12.07	43	224049	38.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	236732	52.585	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	204319m	55.708	ug/l	
77) Bromobenzene	12.53	156	218764	47.819	ug/l	95
78) n-propylbenzene	12.59	91	842493	45.215	ug/l	99
79) 2-Chlorotoluene	12.67	91	518010	51.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	656123	51.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57160	35.873	ug/l	98
82) 4-Chlorotoluene	12.77	91	507631	46.347	ug/l	100
83) tert-Butylbenzene	12.99	119	583411	52.746	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	651025	50.839	ug/l	99
85) sec-Butylbenzene	13.17	105	739805	51.324	ug/l	99
86) p-Isopropyltoluene	13.29	119	676434	45.434	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	347303	47.944	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	335033	48.647	ug/l	99
89) n-Butylbenzene	13.61	91	505153	44.283	ug/l	100
90) Hexachloroethane	13.87	117	122344	43.173	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	349325	48.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40029	42.139	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	178709	43.489	ug/l	99

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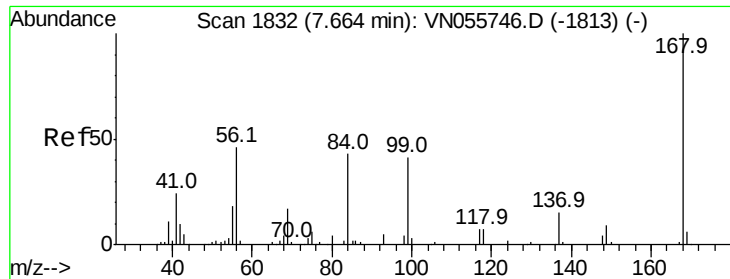
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	124875	49.062	ug/l	98
95) Naphthalene	15.13	128	470850	47.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	186889	48.919	ug/l	100

(#) = 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: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion:168 Resp: 354662

Ion Ratio Lower Upper

168 100

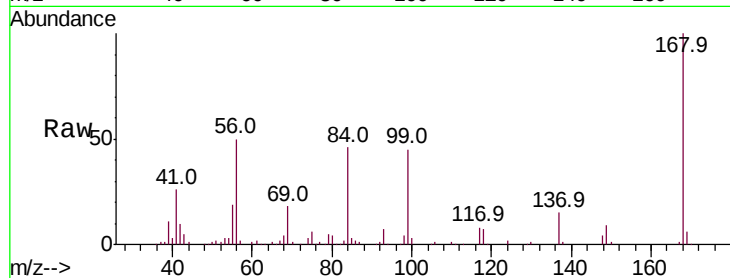
99 44.6 37.2 55.8

Manual Integrations

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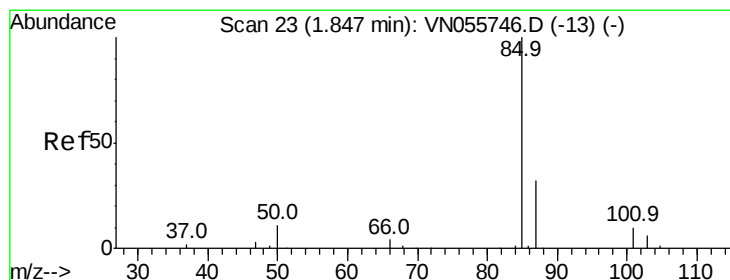
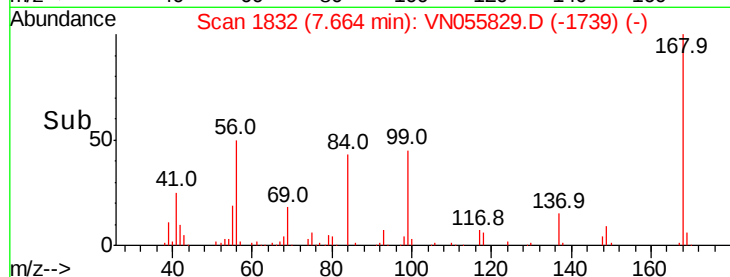
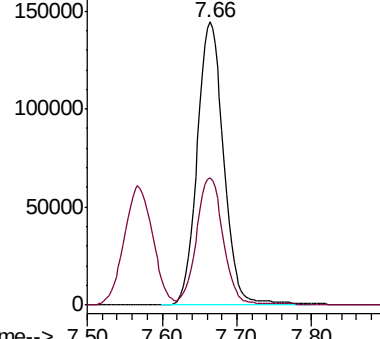
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.376 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055829.D

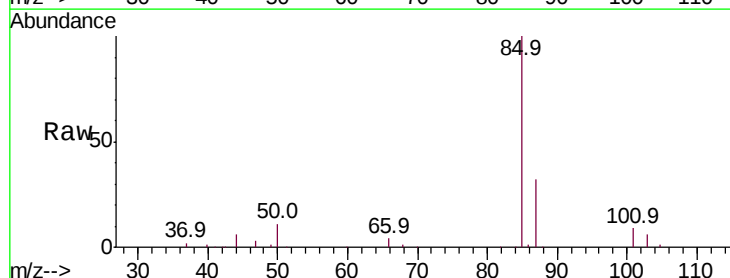
Acq: 25 May 2019 5:54

Tgt Ion: 85 Resp: 110696

Ion Ratio Lower Upper

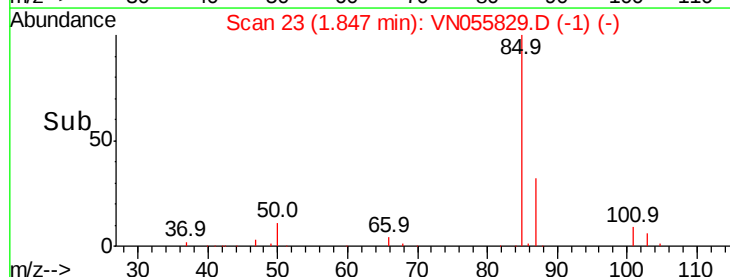
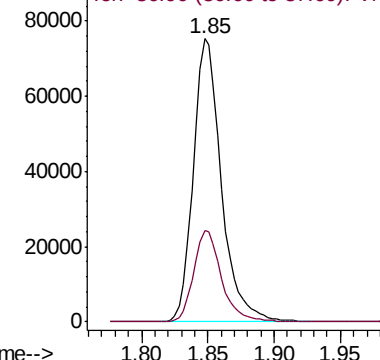
85 100

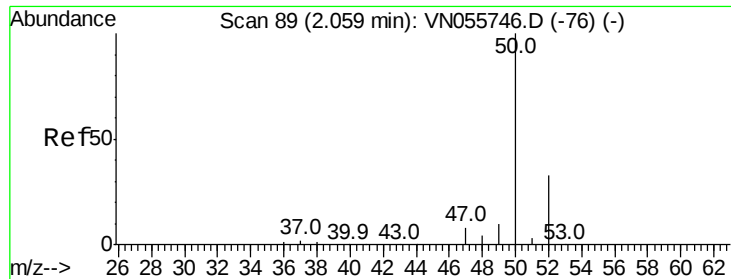
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.627 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 50 Resp: 159278

Ion Ratio Lower Upper

50 100

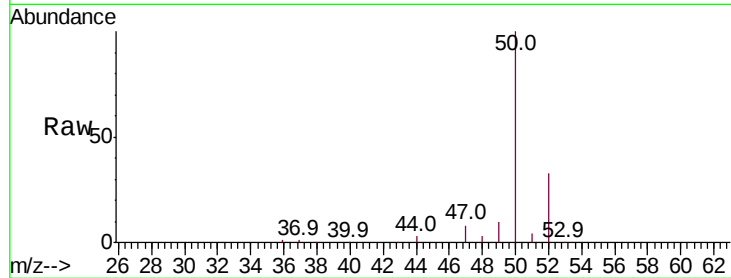
52 32.9 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

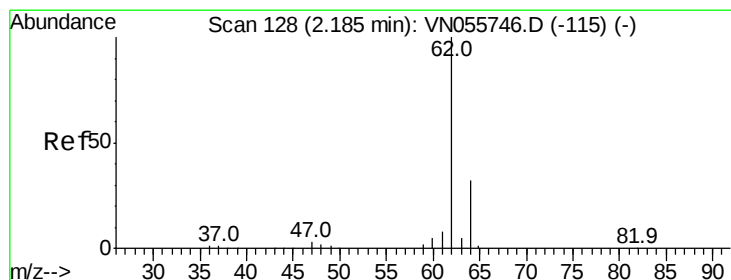
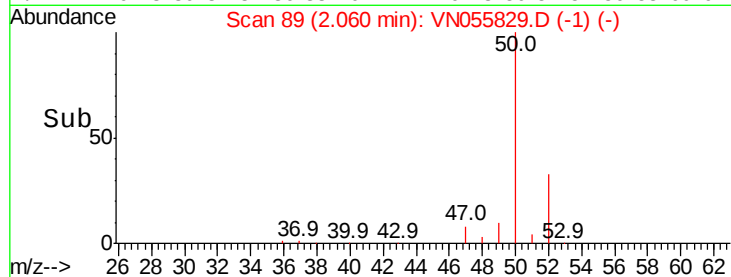
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.407 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055829.D

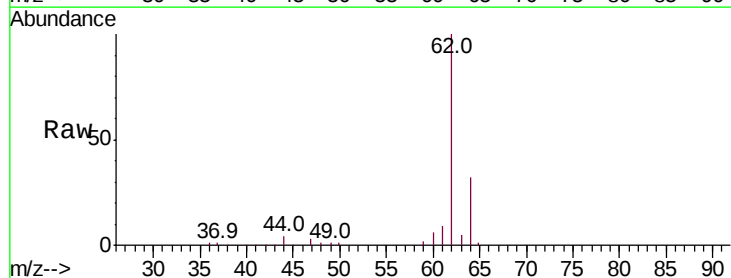
Acq: 25 May 2019 5:54

Tgt Ion: 62 Resp: 169101

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

120000

100000

80000

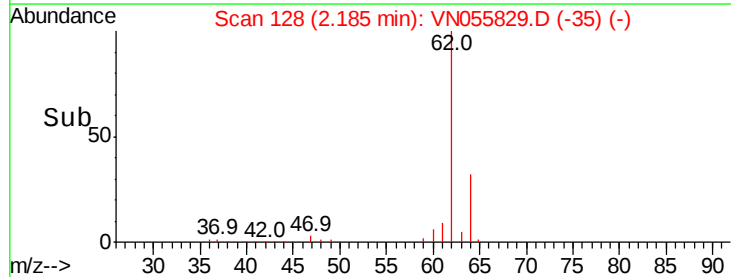
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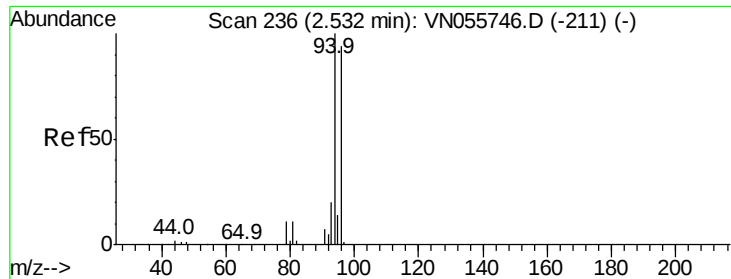
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20000

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Time-->





#5

Bromomethane

Concen: 50.729 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

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MW2-R1-1MS

Tot Ion: 94 Resp: 113206

Ion Ratio Lower Upper

94 100

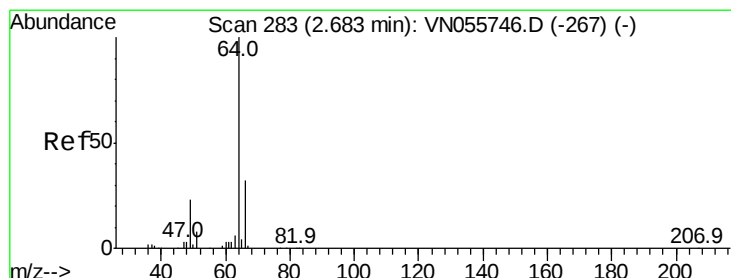
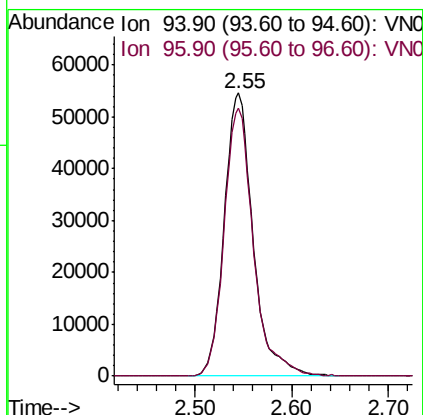
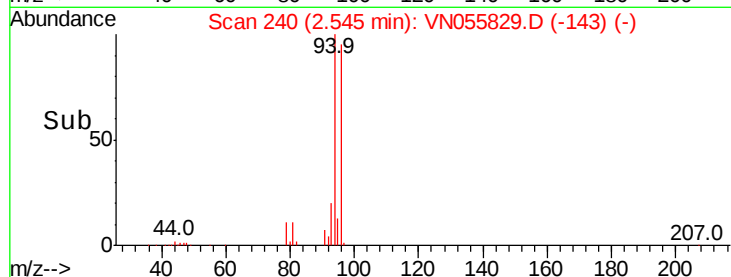
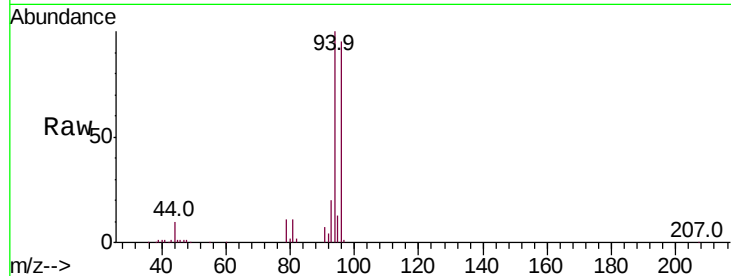
96 94.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 49.655 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055829.D

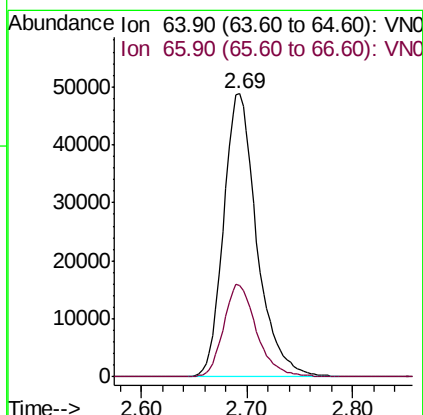
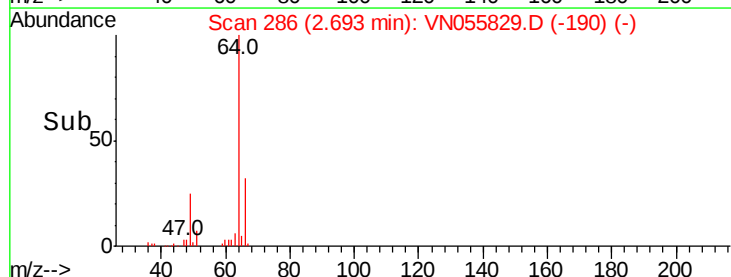
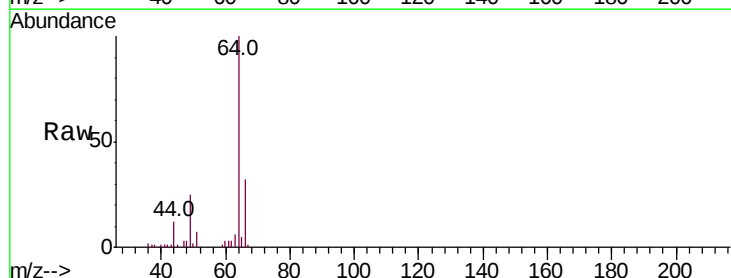
Acq: 25 May 2019 5:54

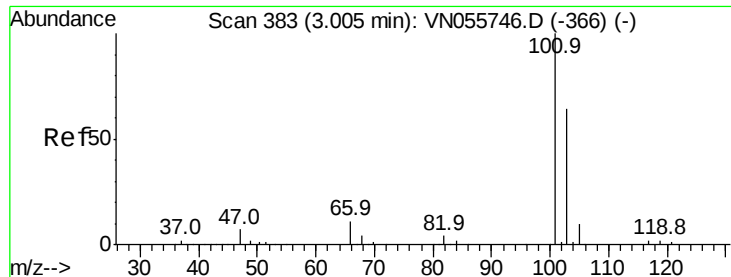
Tgt Ion: 64 Resp: 106639

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.0





#7

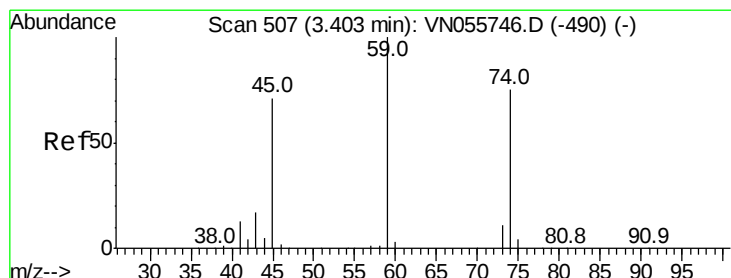
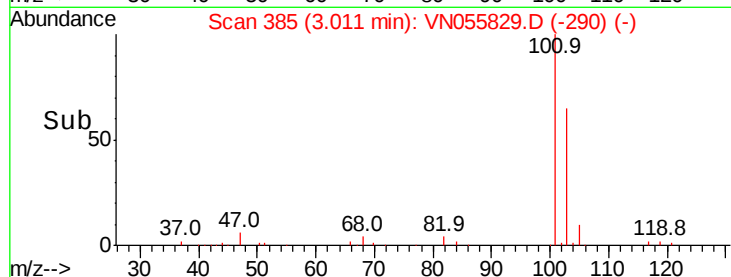
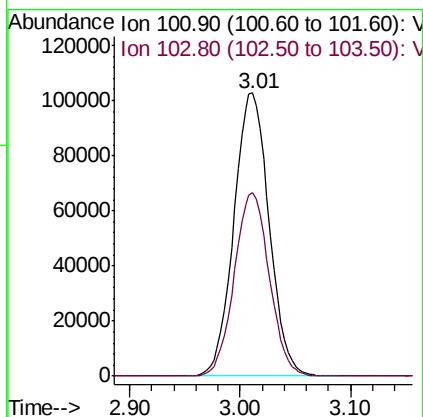
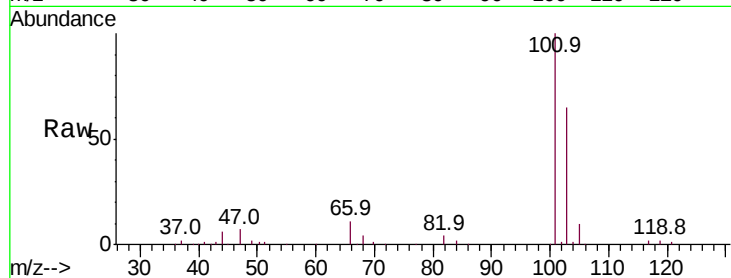
Trichlorofluoromethane
 Concen: 48.553 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

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 MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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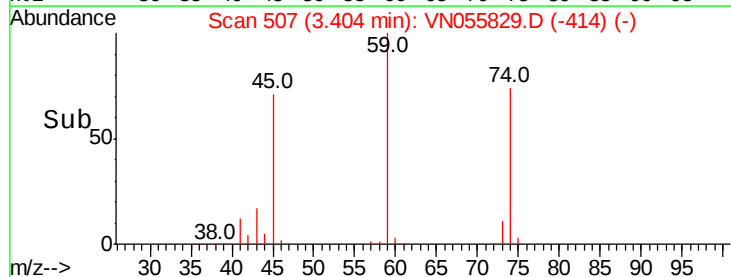
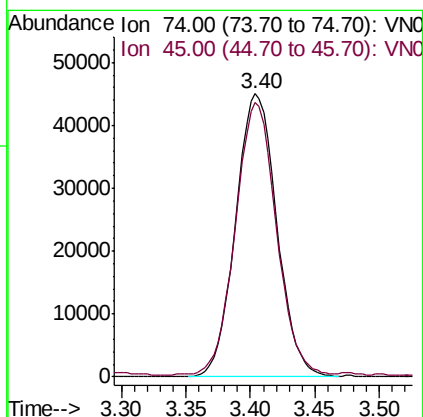
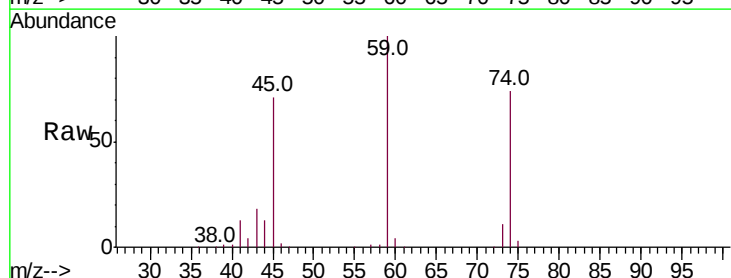
MMDadoda
 5/28/2019 10:36:49 AM

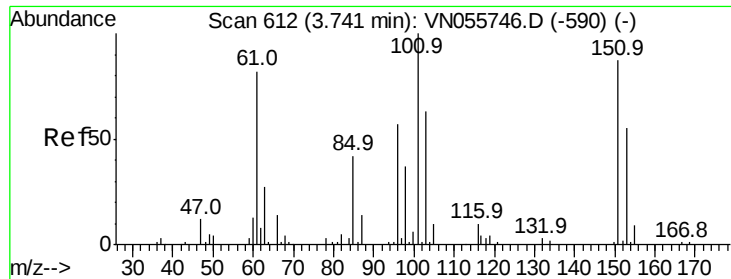


#8

Diethyl Ether
 Concen: 47.859 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.346 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

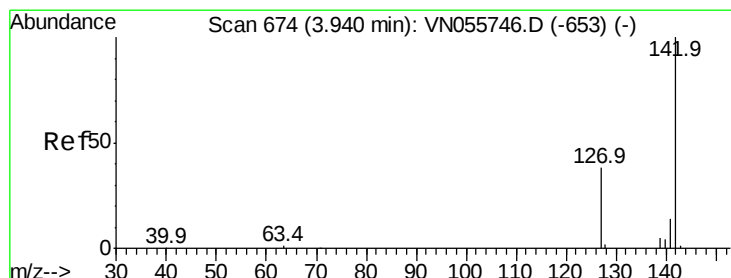
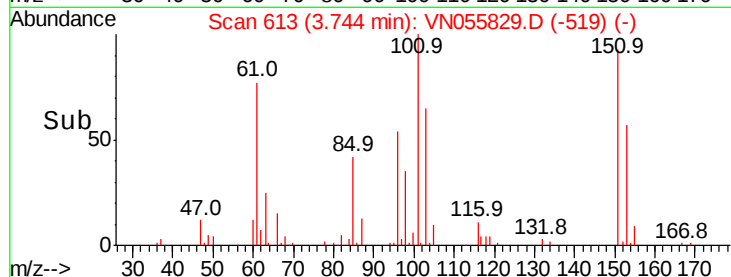
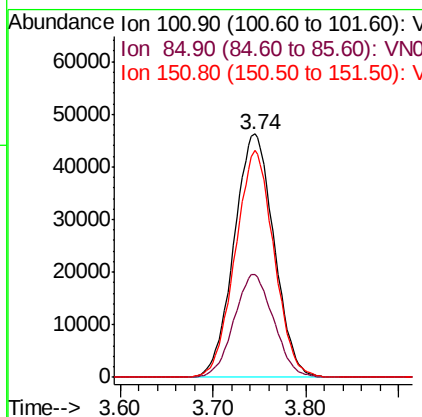
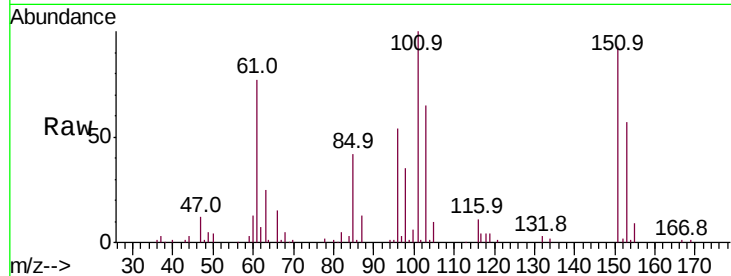
ClientSampleId :

MW2-R1-1MS

Tot Ion:	101	Resp:	138212
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	90.5	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.820 ug/l

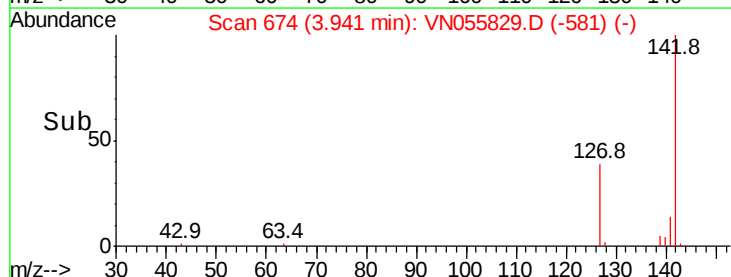
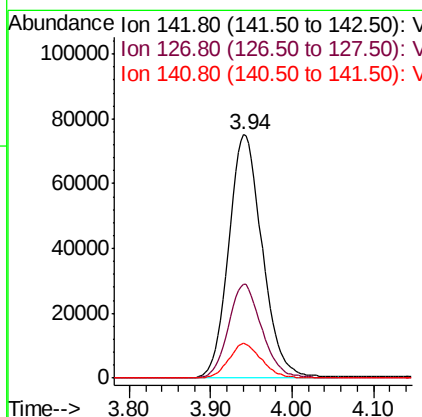
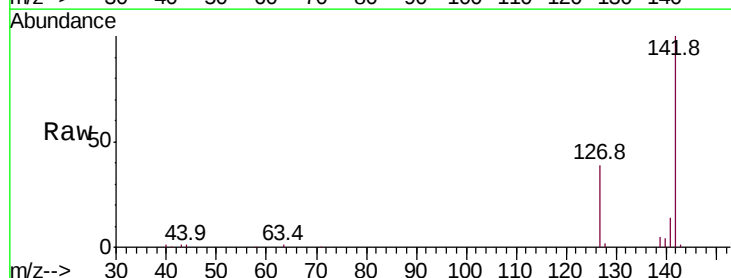
RT: 3.94 min Scan# 674

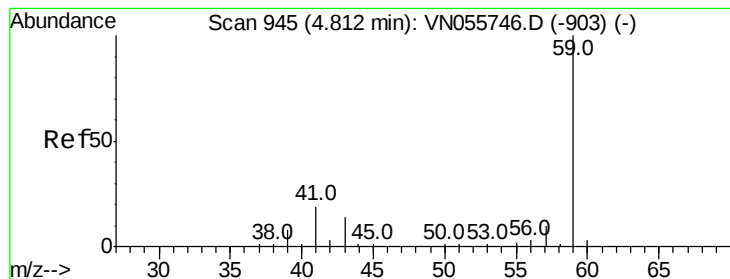
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	142	Resp:	216895
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.9	11.4	17.0





#11

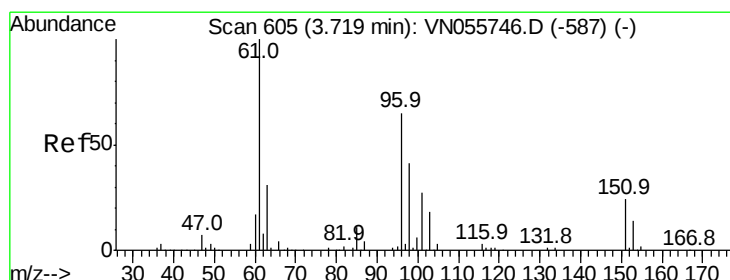
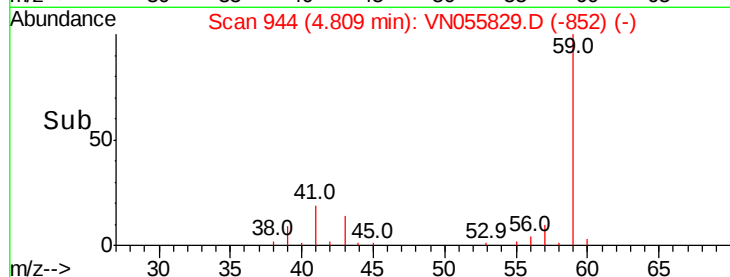
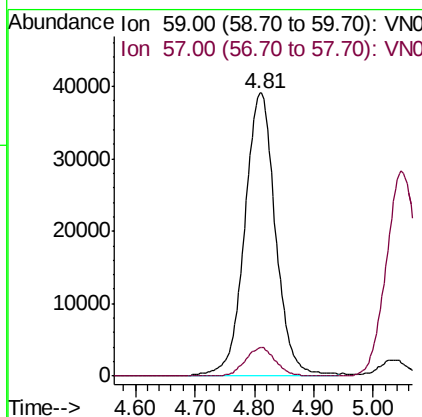
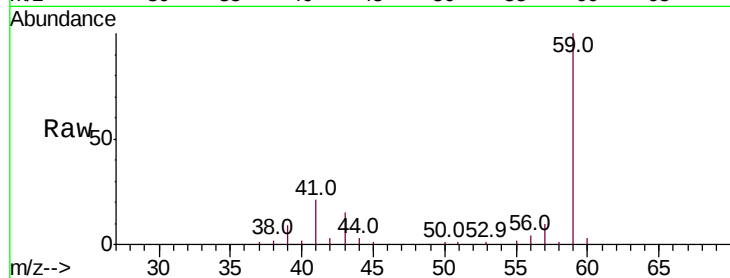
Tert butyl alcohol
 Concen: 203.401 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

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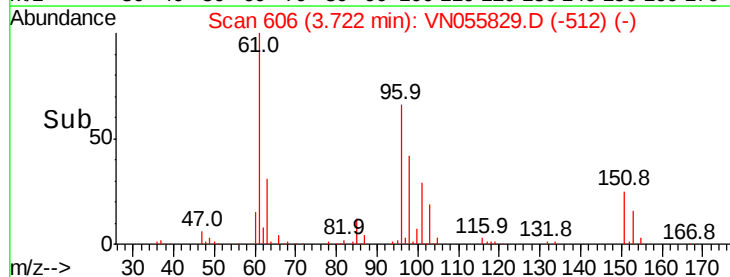
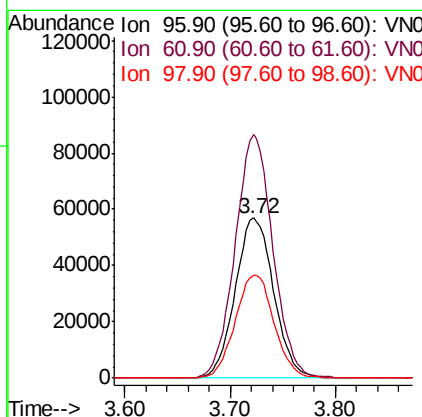
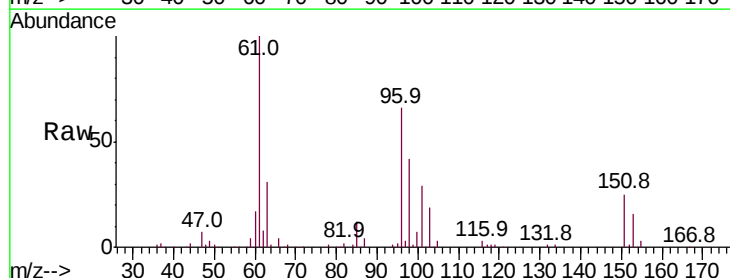
MMDadoda
 5/28/2019 10:36:49 AM

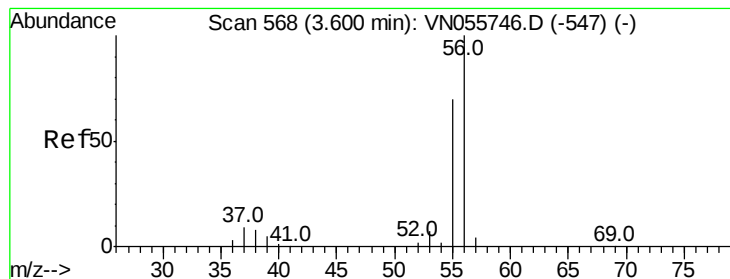


#12

1,1-Dichloroethene
 Concen: 47.816 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	123.2	184.8
98	64.6	50.4	75.6





#13

Acrolein

Concen: 186.934 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 56 Resp: 93672

Ion Ratio Lower Upper

56 100

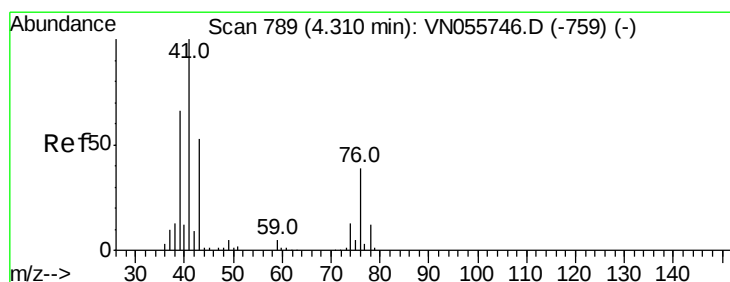
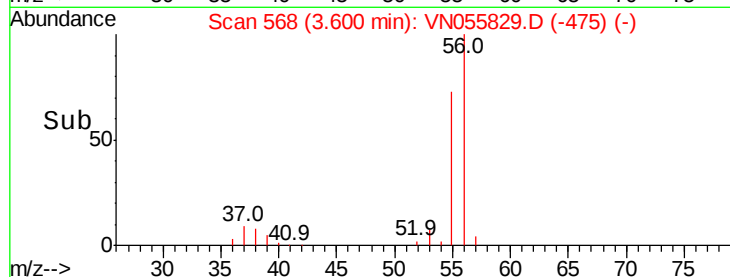
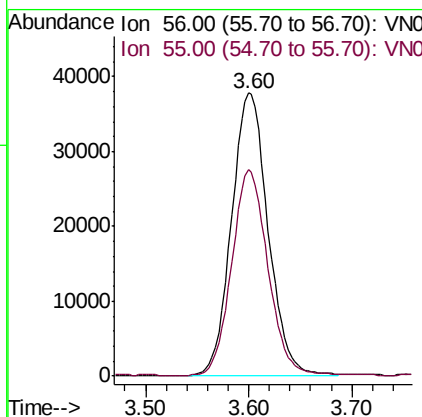
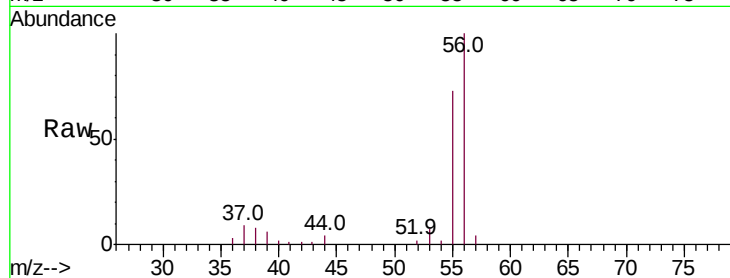
55 72.9 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 43.115 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

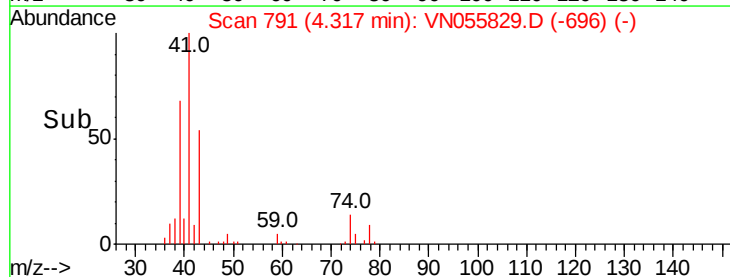
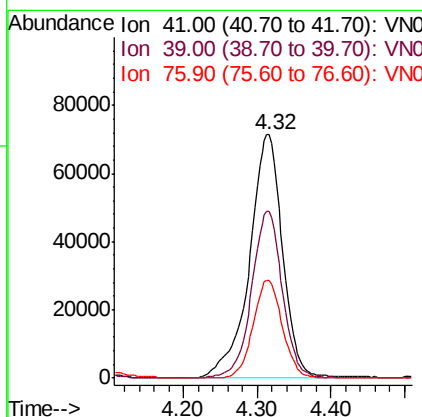
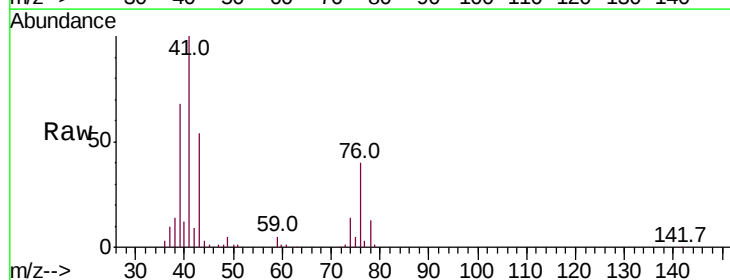
Tgt Ion: 41 Resp: 222942

Ion Ratio Lower Upper

41 100

39 63.7 50.0 75.0

76 35.4 28.2 42.2





#15

Acrylonitrile

Concen: 235.774 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

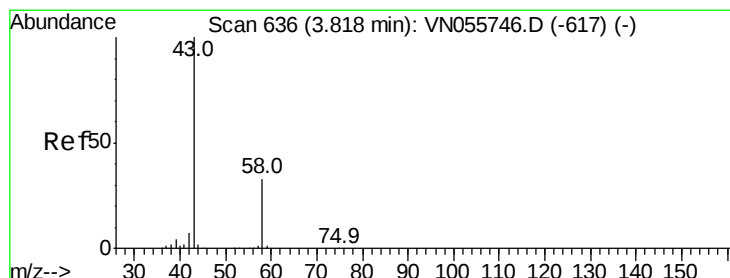
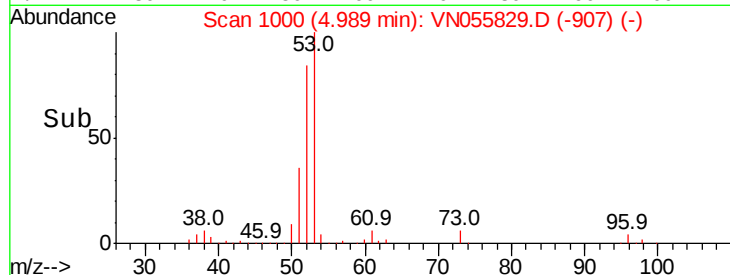
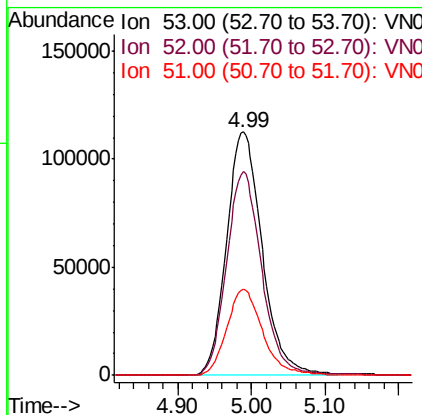
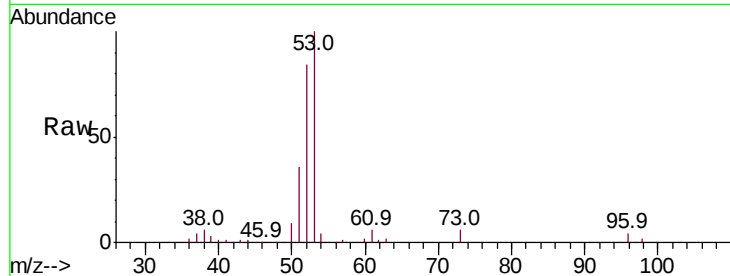
ClientSampleId :

MW2-R1-1MS

Tot Ion	53	Resp	378878
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.8	98.8
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 192.336 ug/l

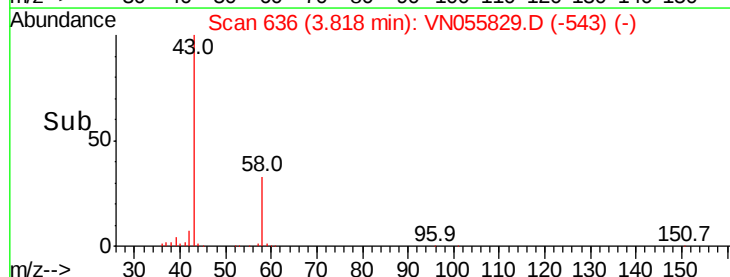
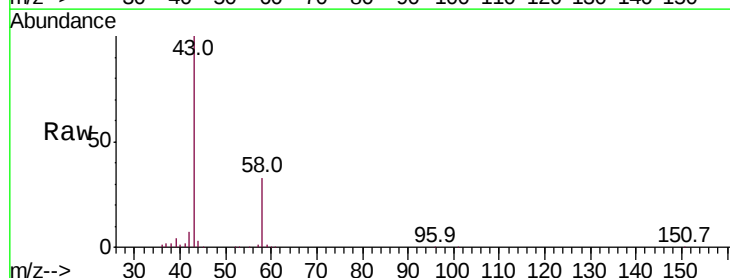
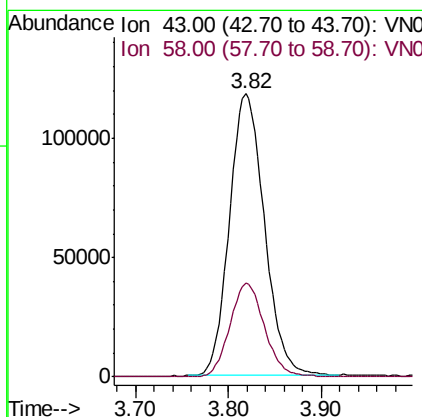
RT: 3.82 min Scan# 636

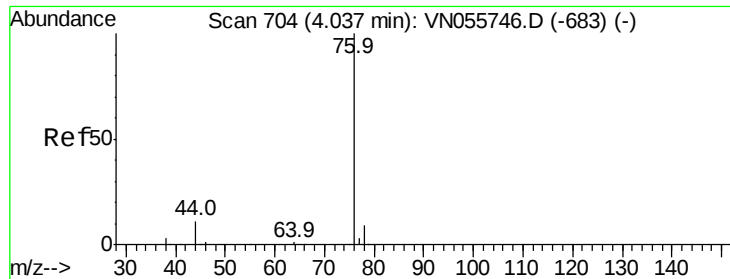
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion	43	Resp	309666
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.6	39.8





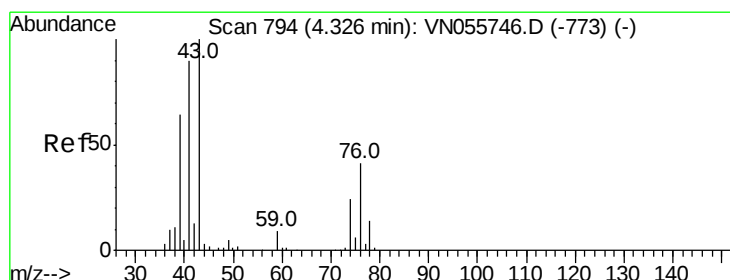
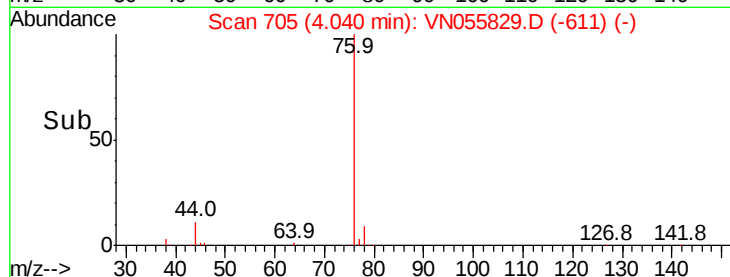
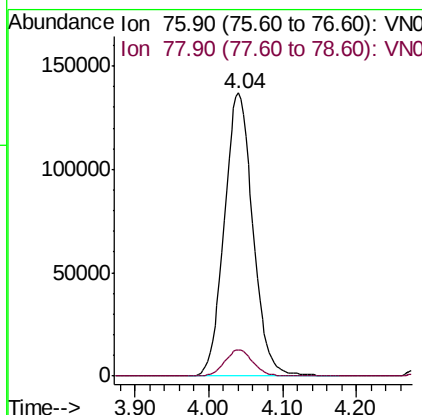
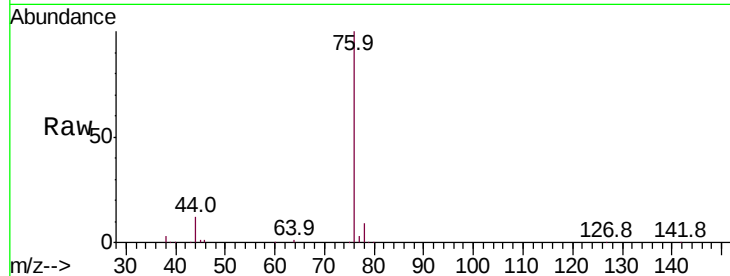
#17
Carbon Disulfide
Concen: 42.994 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion: 76 Resp: 368446
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

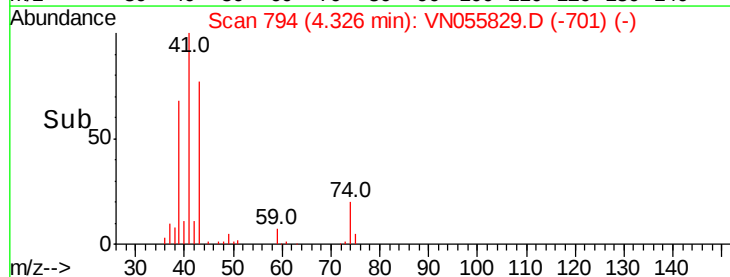
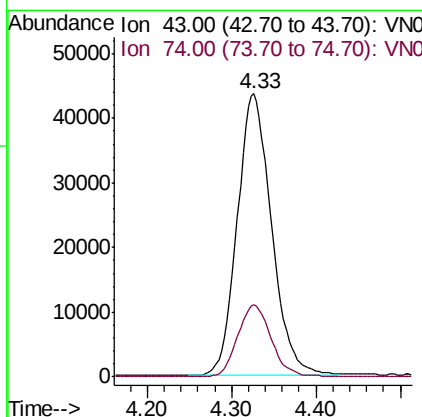
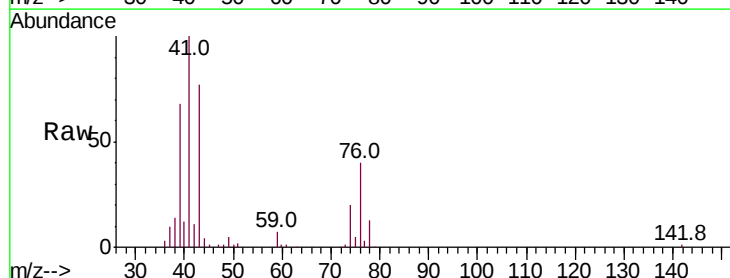
Manual Integrations
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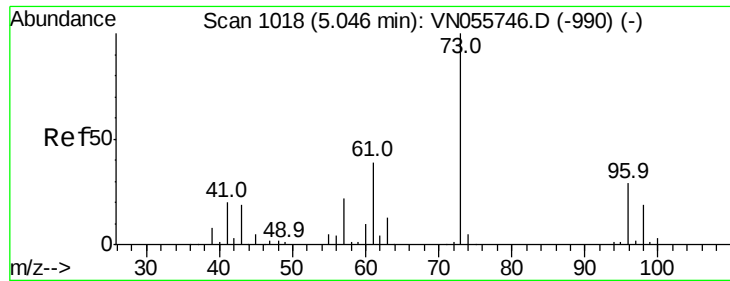
MMDadoda
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#18
Methyl Acetate
Concen: 37.482 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion: 43 Resp: 123721
Ion Ratio Lower Upper
43 100
74 25.0 19.3 28.9





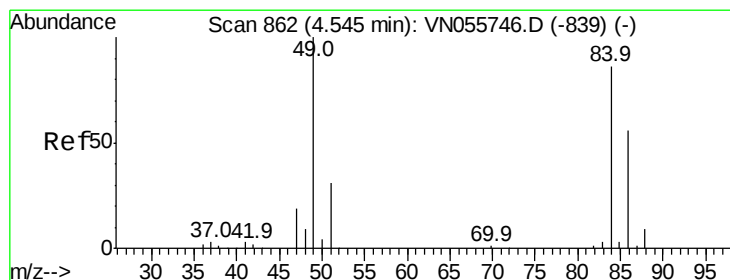
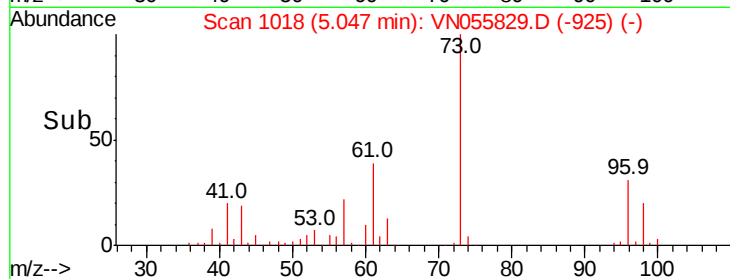
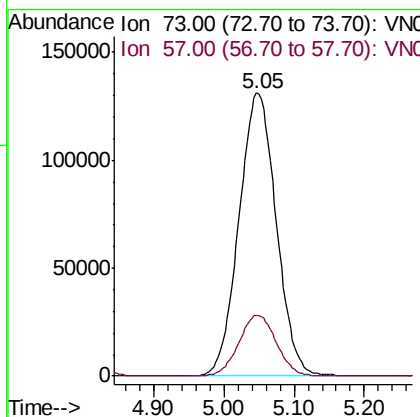
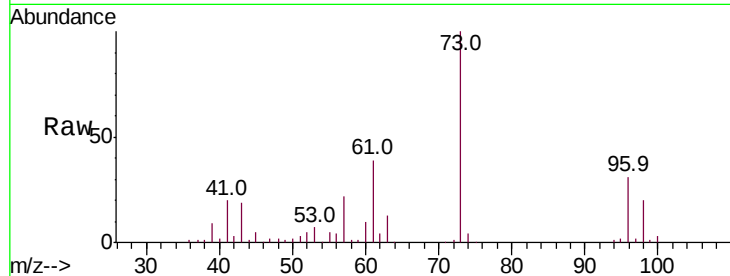
#19
Methvl tert-butvl Ether
Concen: 48.051 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion: 73 Resp: 483382
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

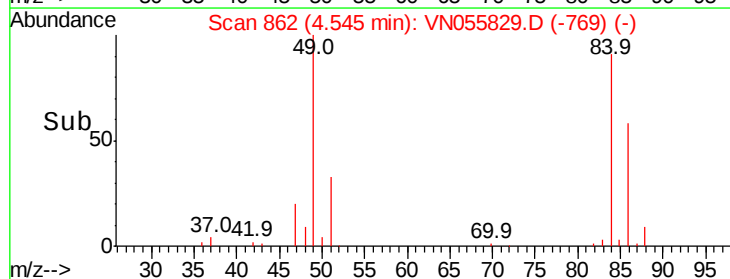
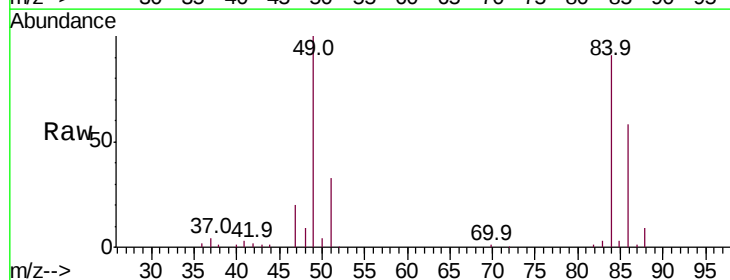
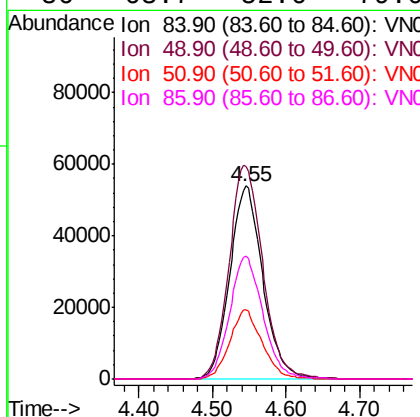
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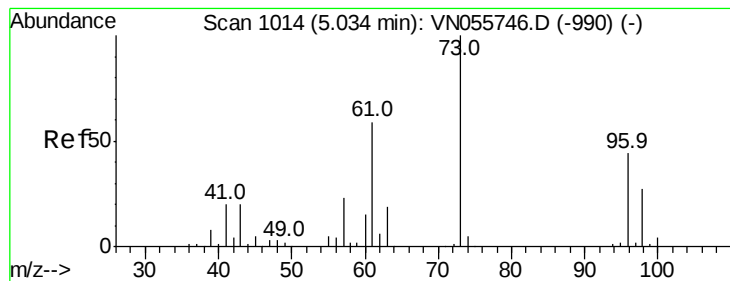
MMDadoda
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#20
Methylene Chloride
Concen: 48.240 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion: 84 Resp: 168204
Ion Ratio Lower Upper
84 100
49 110.1 93.5 140.3
51 36.1 28.6 43.0
86 63.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.019 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 96 Resp: 155605

Ion Ratio Lower Upper

96 100

61 130.0 107.8 161.8

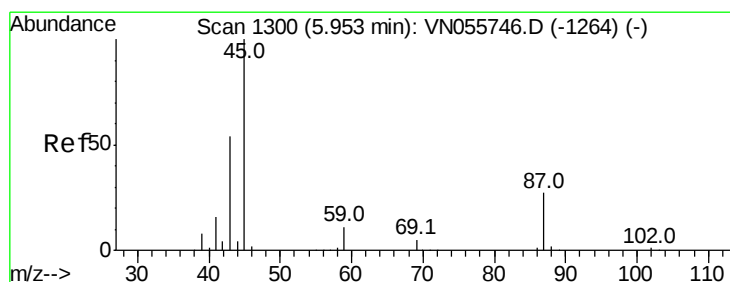
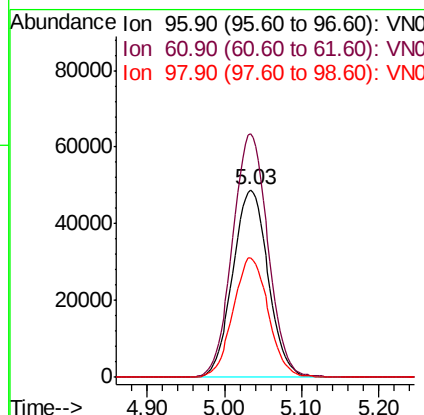
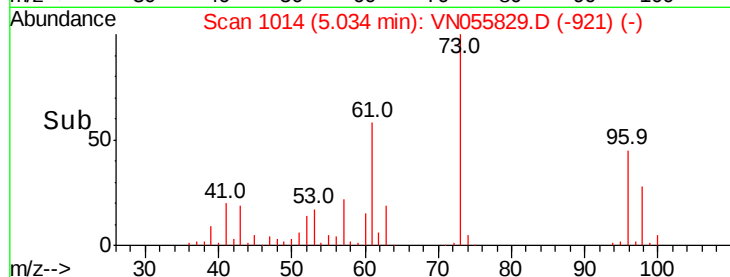
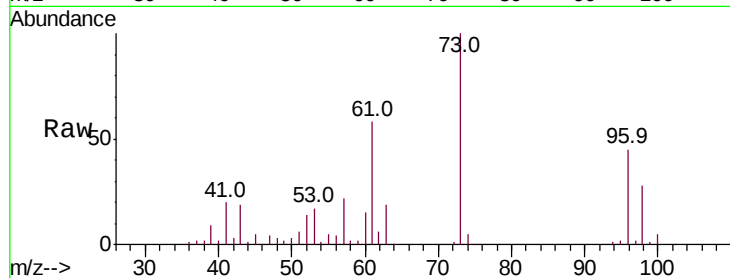
98 63.5 49.8 74.8

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#22

Diisopropyl ether

Concen: 47.940 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion: 45 Resp: 482141

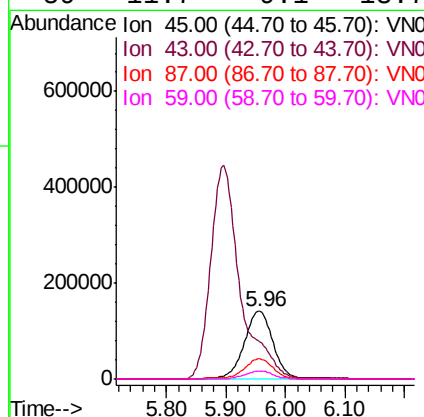
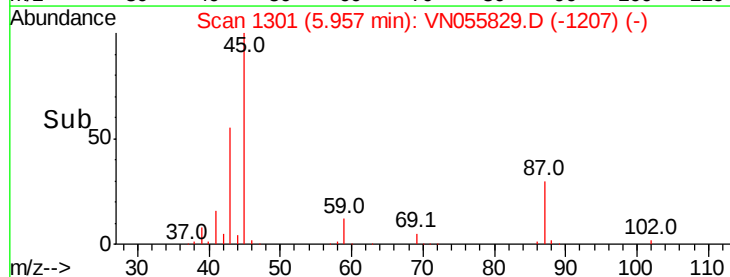
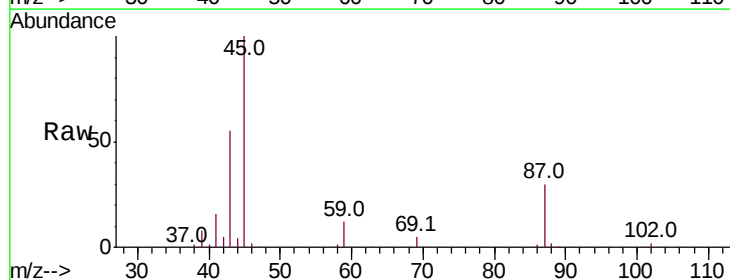
Ion Ratio Lower Upper

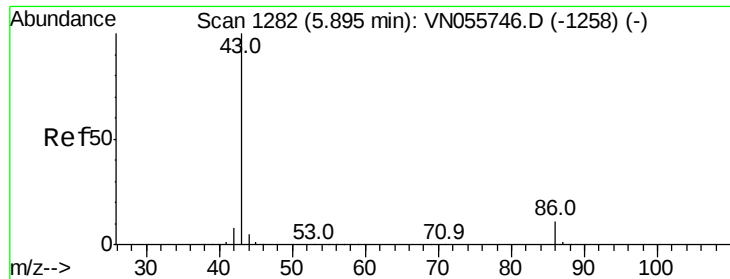
45 100

43 54.0 45.0 67.6

87 29.5 22.2 33.4

59 11.7 9.1 13.7





#23

Vinyl Acetate

Concen: 178.606 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleID :

MW2-R1-1MS

Tot Ion: 43 Resp: 1540084

Ion Ratio Lower Upper

43 100

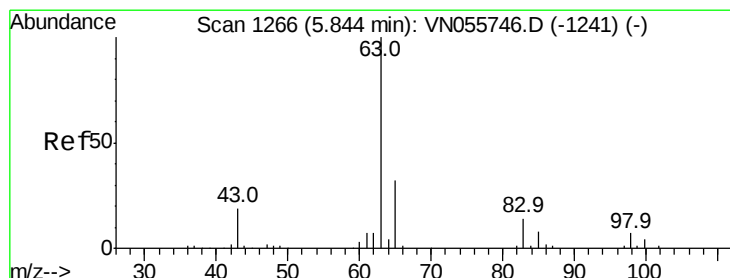
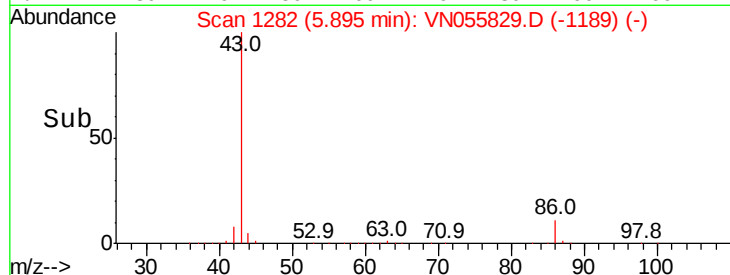
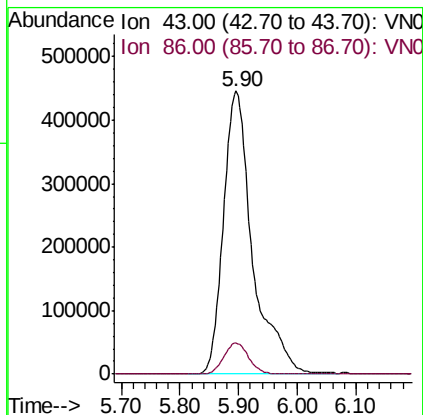
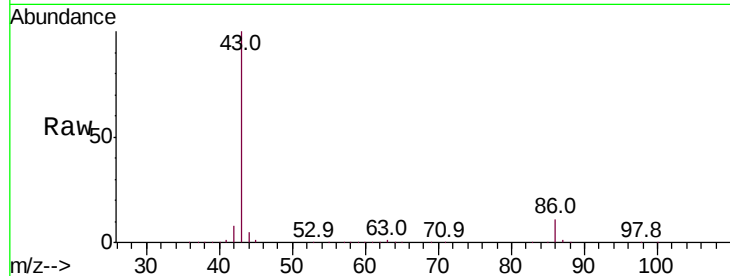
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.593 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

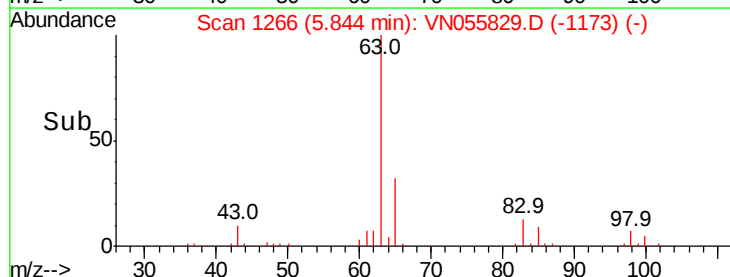
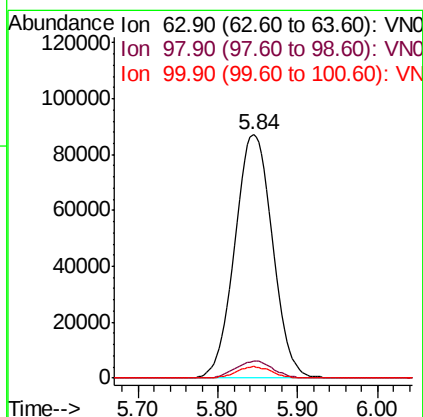
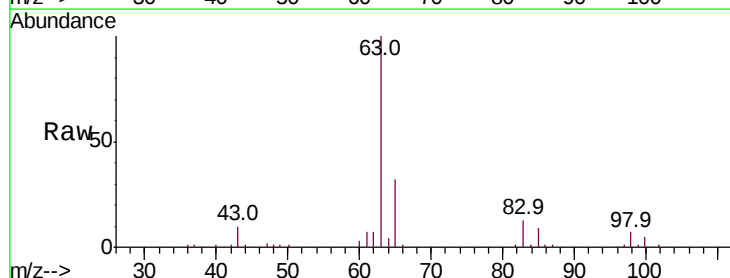
Tgt Ion: 63 Resp: 278681

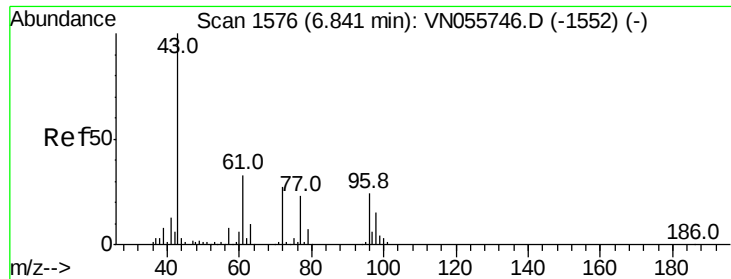
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 215.136 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 43 Resp: 483740

Ion Ratio Lower Upper

43 100

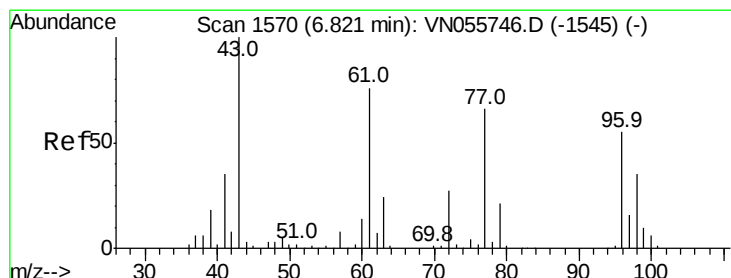
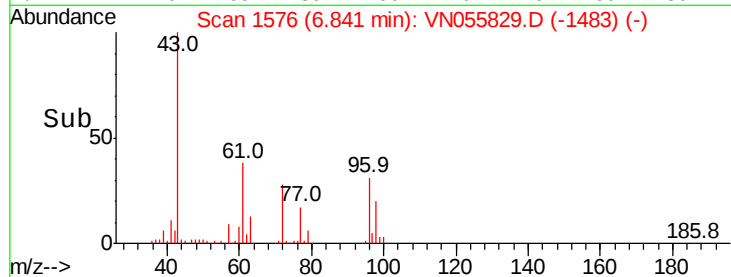
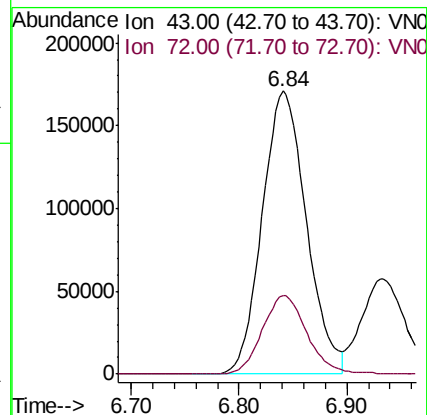
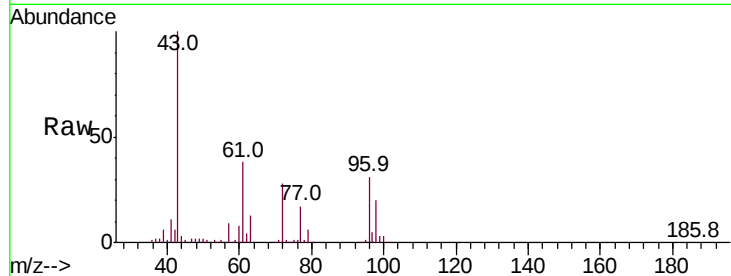
72 27.9 21.9 32.9

Manual Integrations

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5/28/2019 10:36:49 AM



#26

2,2-Dichloropropane

Concen: 27.271 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055829.D

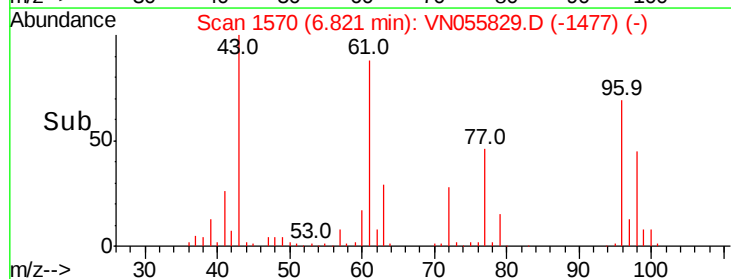
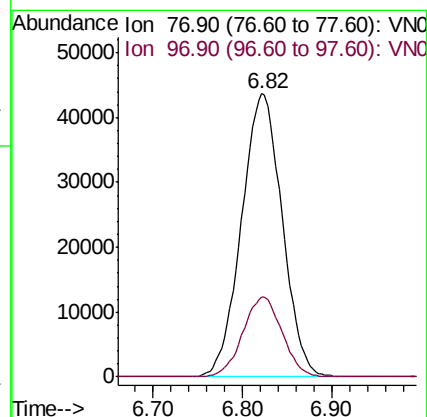
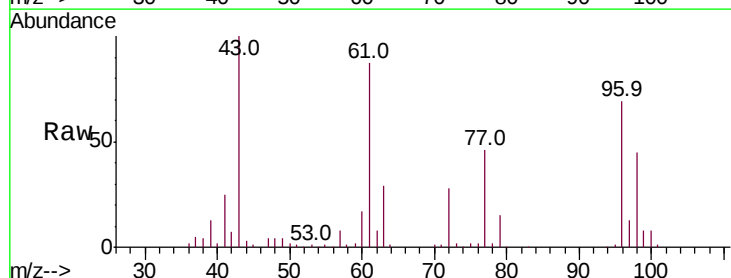
Acq: 25 May 2019 5:54

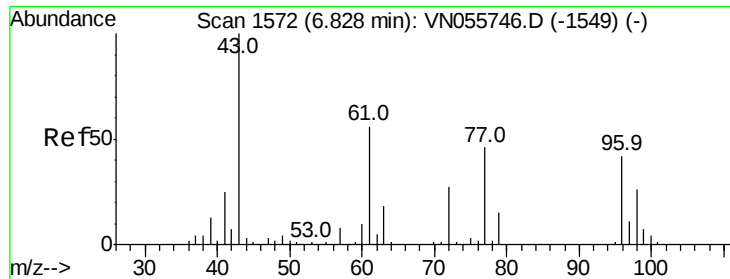
Tgt Ion: 77 Resp: 138203

Ion Ratio Lower Upper

77 100

97 27.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.549 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

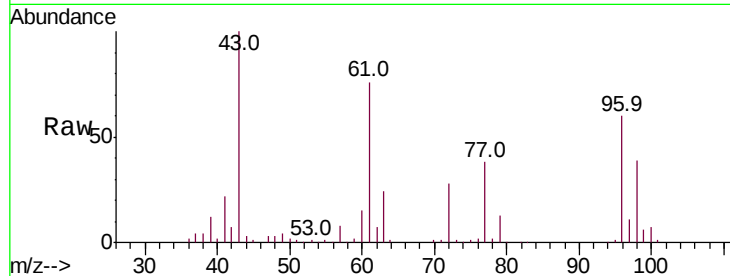
ClientSampleId :

MW2-R1-1MS

Tot Ion:	96	Resp:	198667
Ion Ratio	Lower	Upper	
96	100		
61	127.5	0.0	275.8
98	64.4	0.0	128.4

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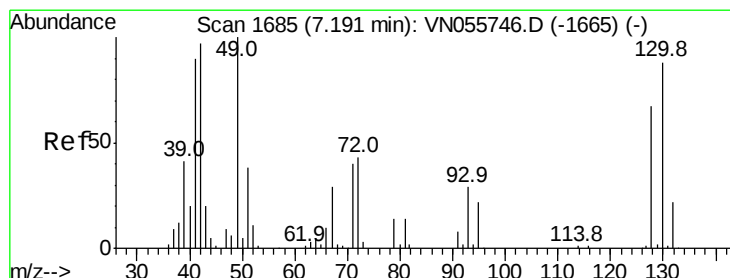
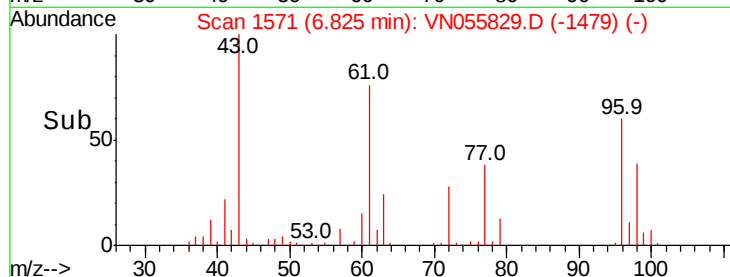
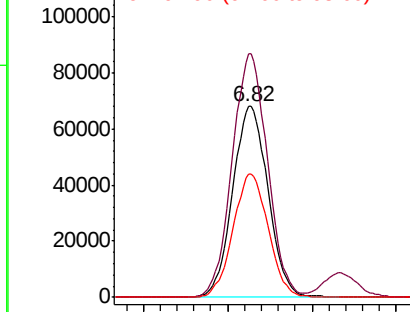


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.155 ug/l

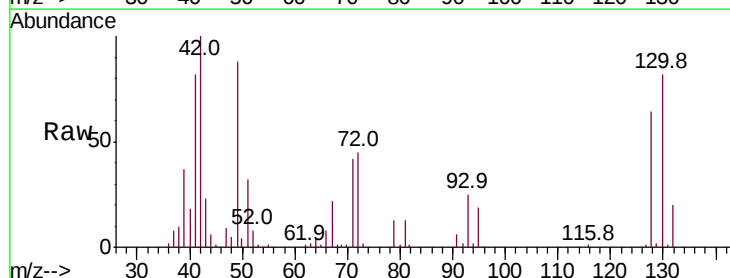
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	49	Resp:	137040
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	93.0	71.2	106.8

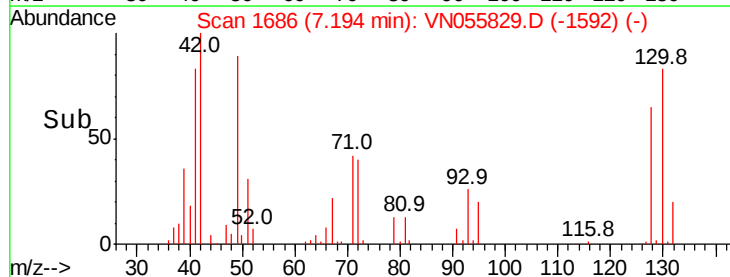
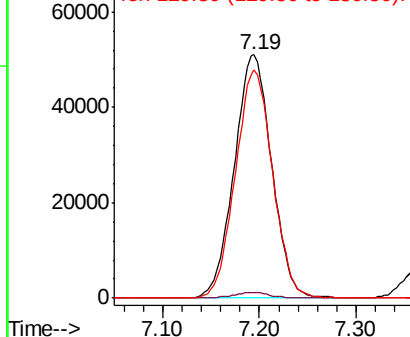


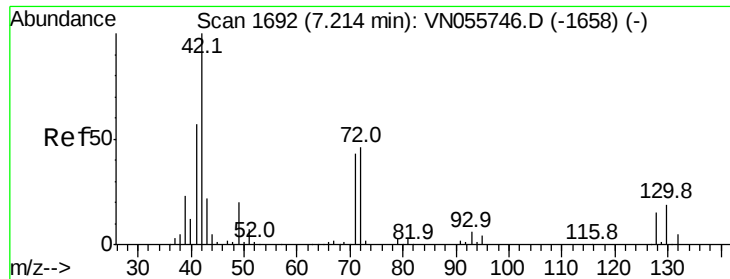
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





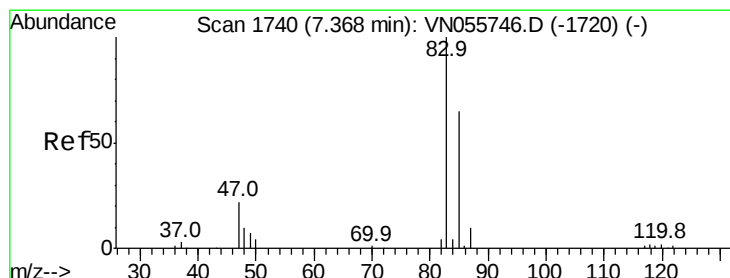
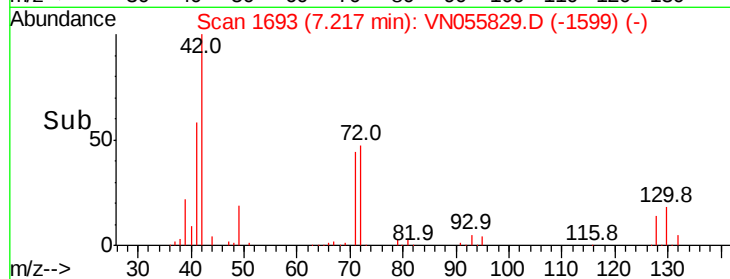
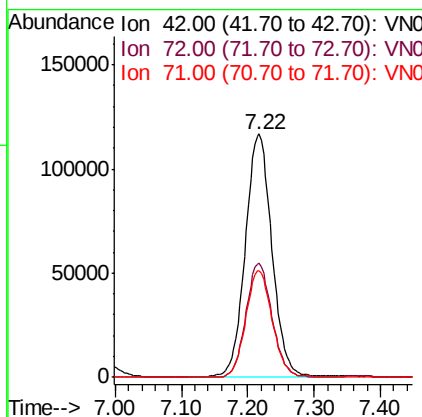
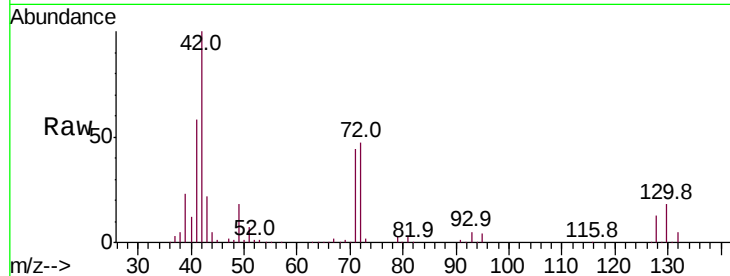
#29
Tetrahydrofuran
Concen: 229.771 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	43.4	34.0	51.0

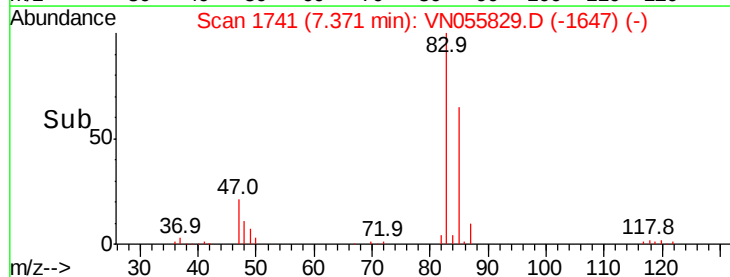
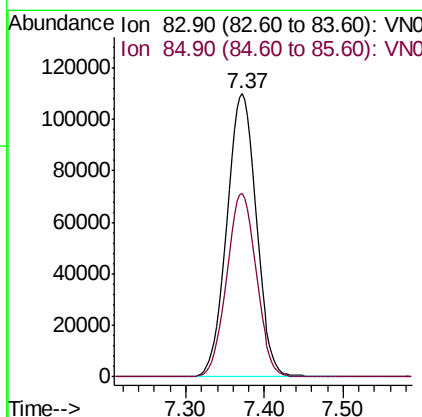
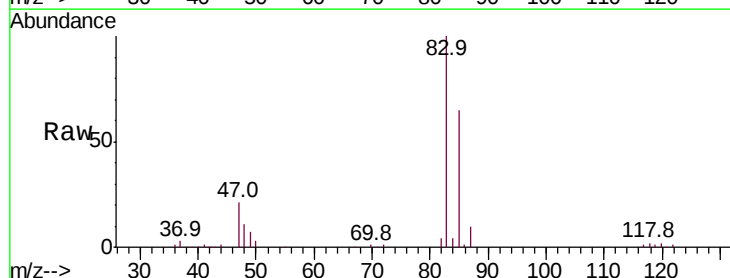
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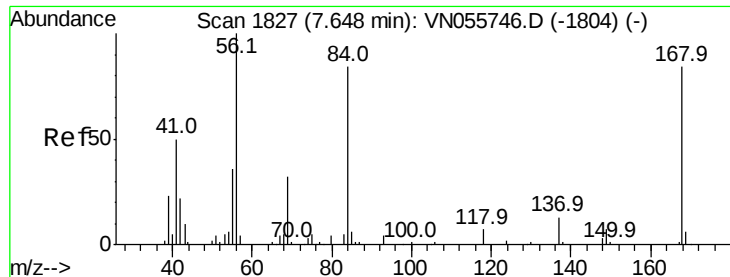
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#30
Chloroform
Concen: 48.973 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





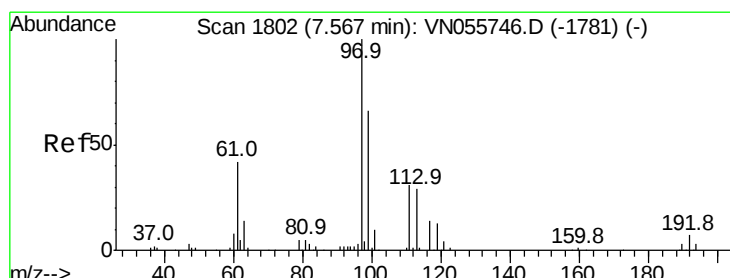
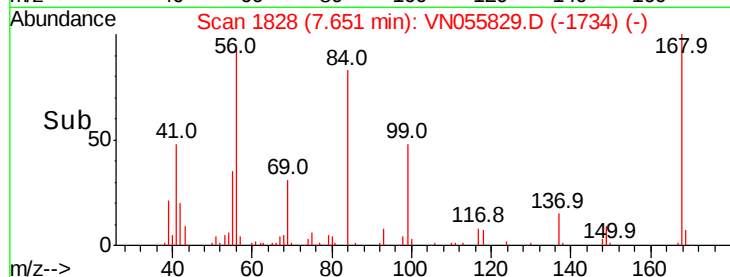
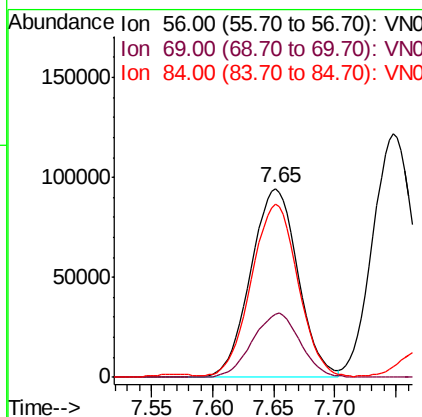
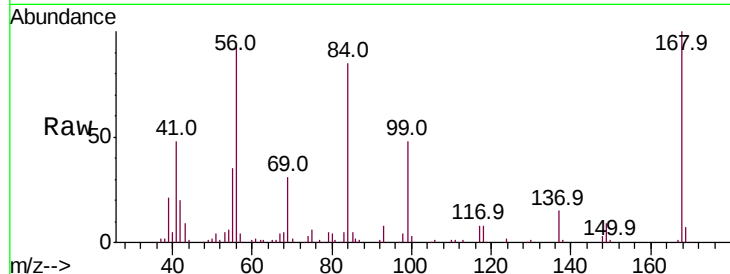
#31
Cyclohexane
Concen: 46.176 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.6	38.4
84	90.4	67.4	101.0

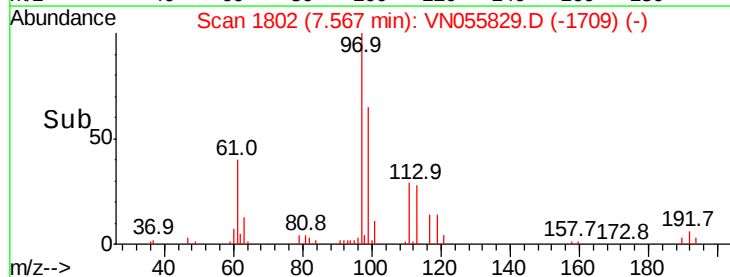
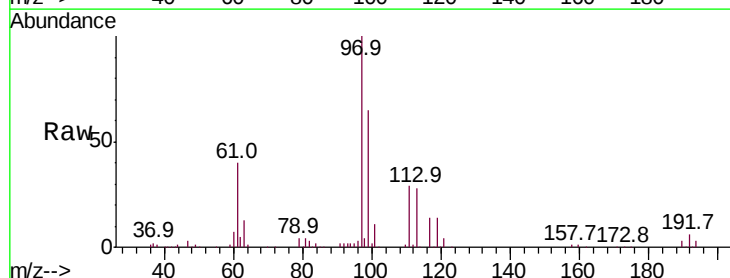
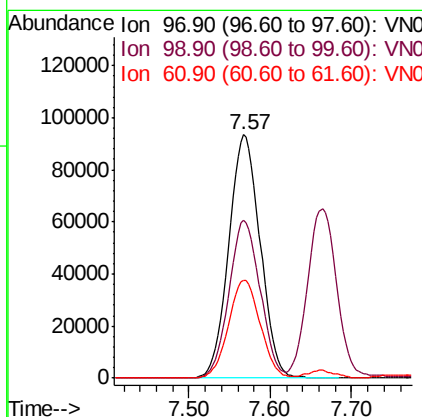
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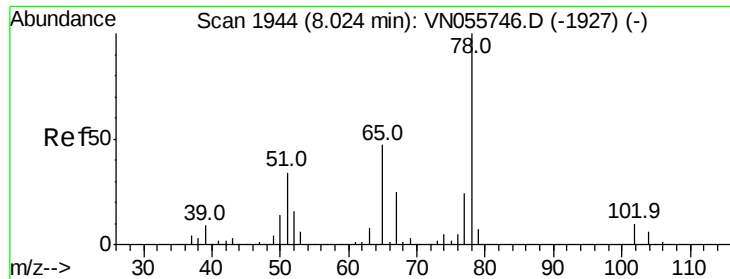
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#32
1,1,1-Trichloroethane
Concen: 48.109 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	40.7	32.9	49.3





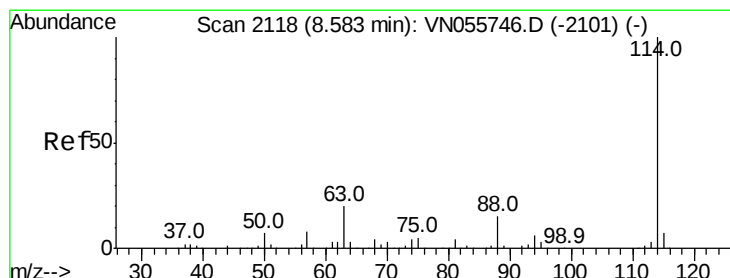
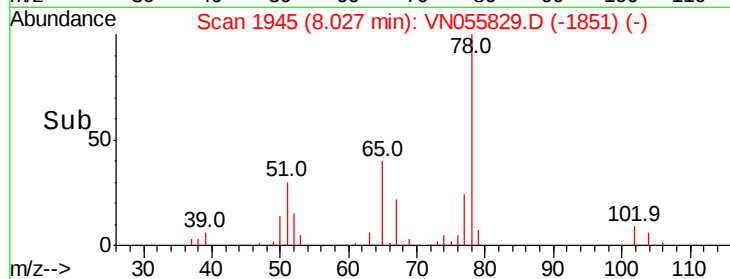
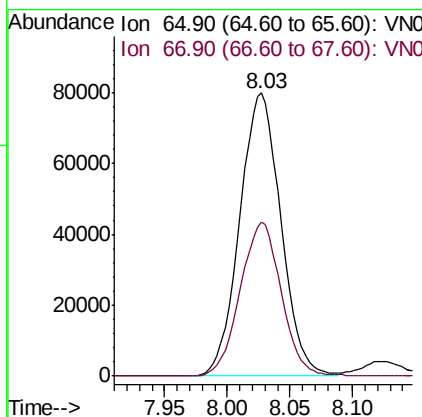
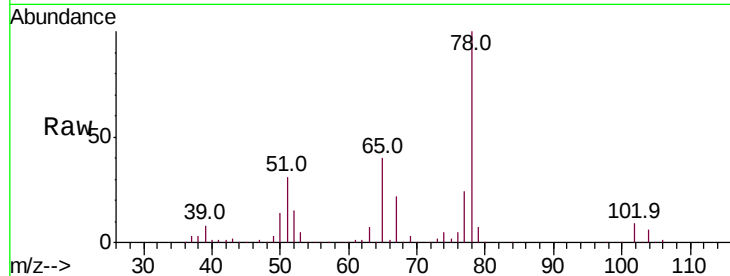
#33
 1,2-Dichloroethane-d4
 Concen: 49.798 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182394		
67	54.4	0.0	109.2	

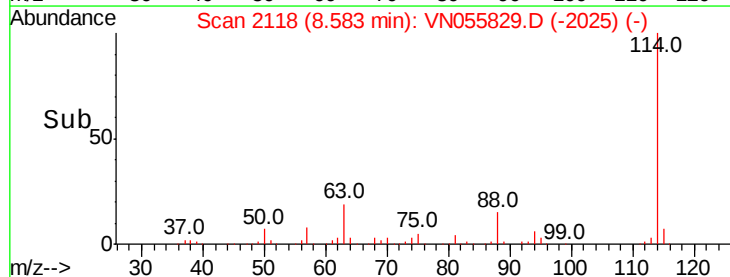
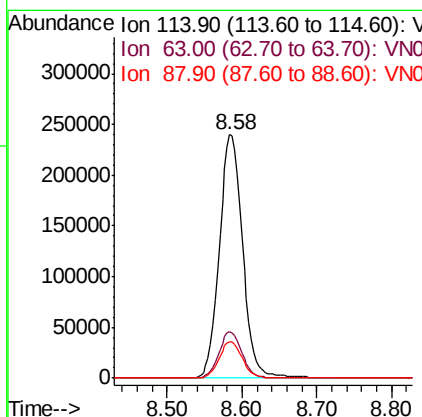
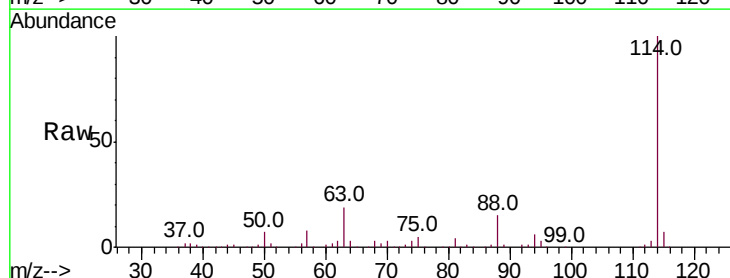
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516410		
63	19.2	0.0	39.2	
88	15.1	0.0	31.0	





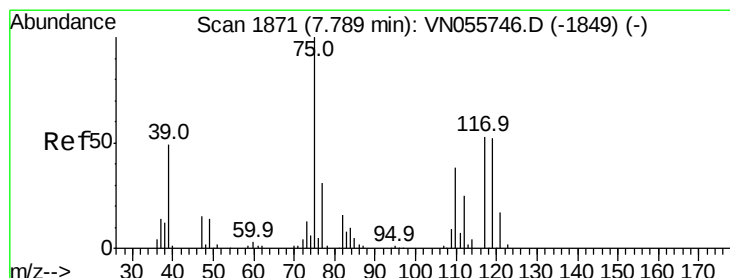
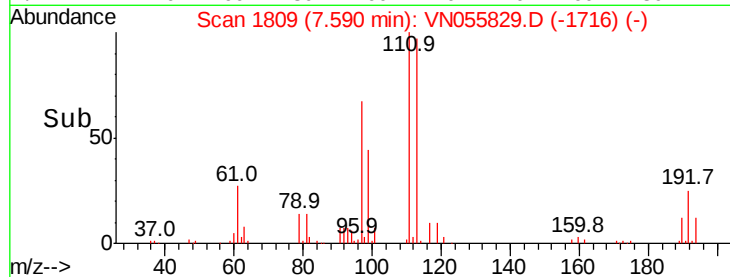
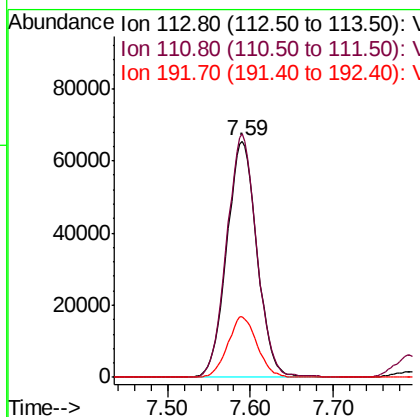
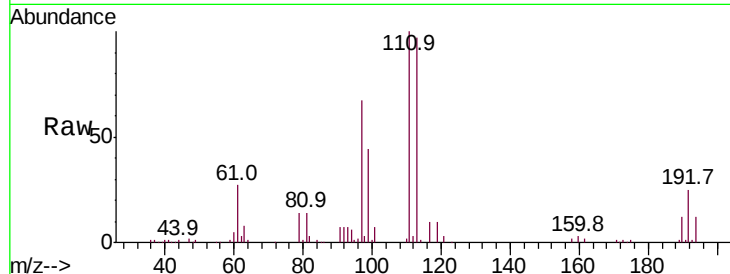
#35
 Dibromofluoromethane
 Concen: 50.823 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165934		
111	102.0	81.9	122.9	
192	24.8	19.5	29.3	

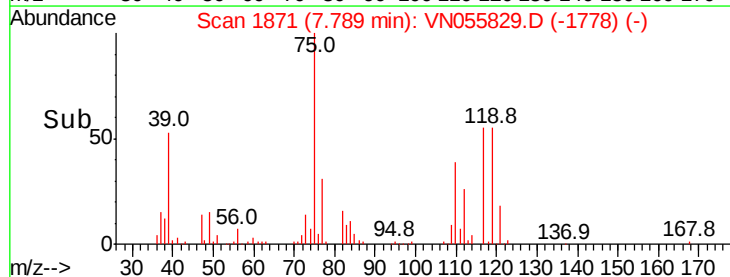
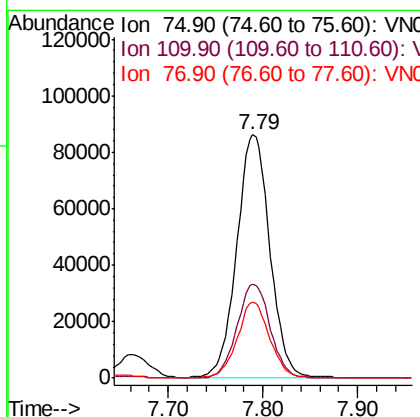
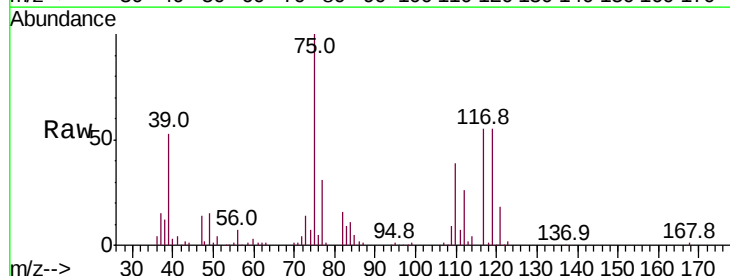
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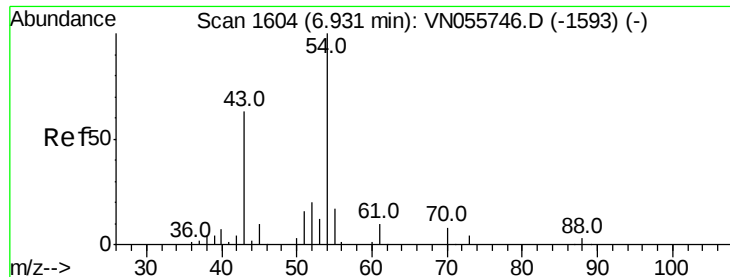
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#36
 1,1-Dichloropropene
 Concen: 46.227 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	208034		
110	39.1	19.0	57.0	
77	31.0	25.1	37.7	





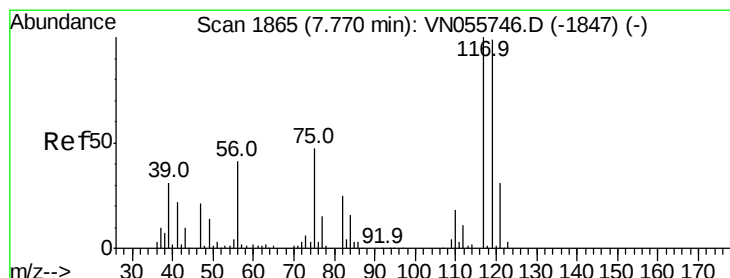
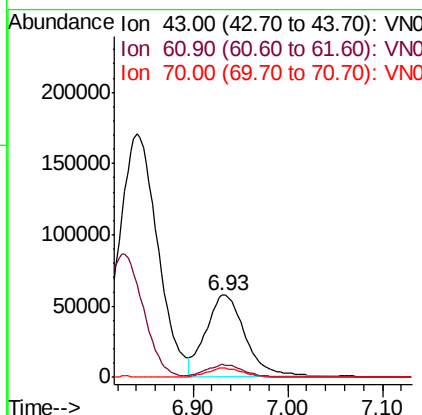
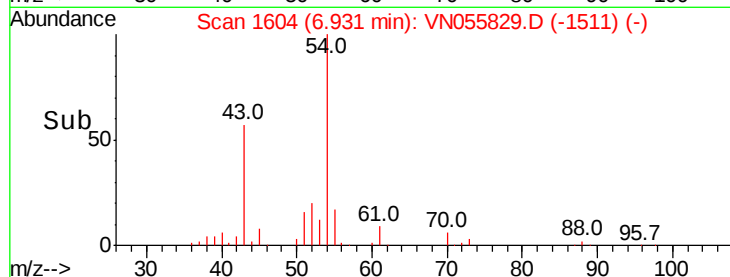
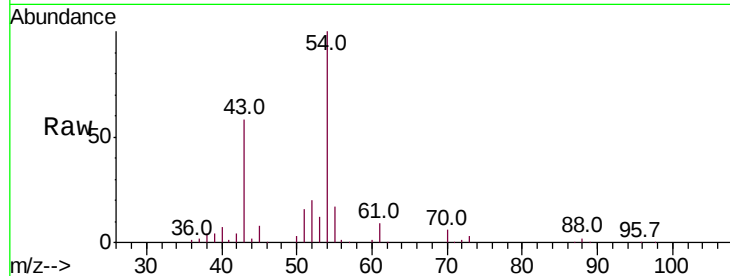
#37
Ethyl Acetate
Concen: 37.860 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	10.5	8.9	13.3

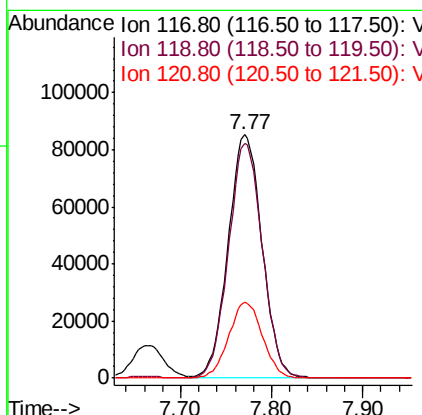
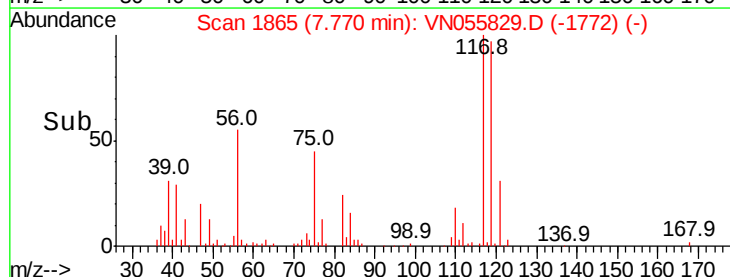
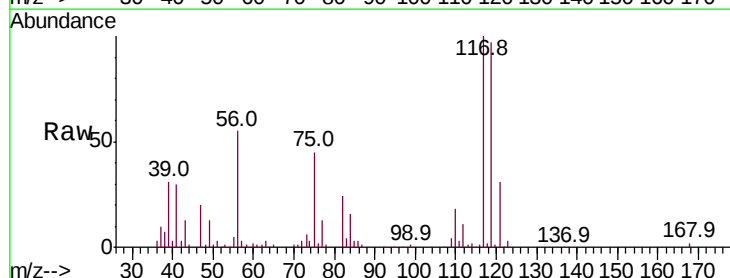
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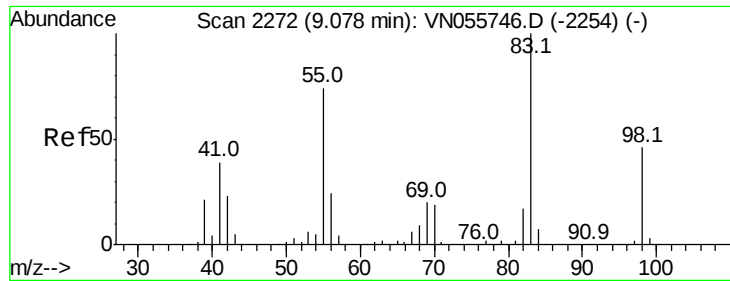
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#38
Carbon Tetrachloride
Concen: 47.165 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.0	118.6
121	31.0	24.7	37.1





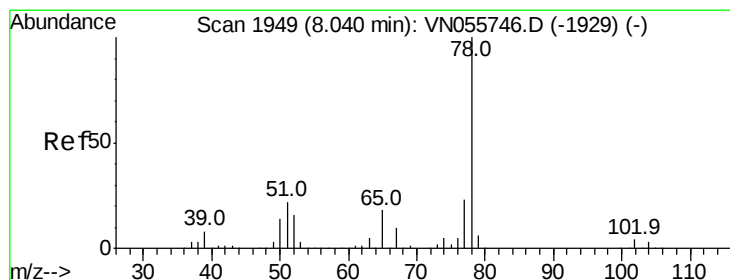
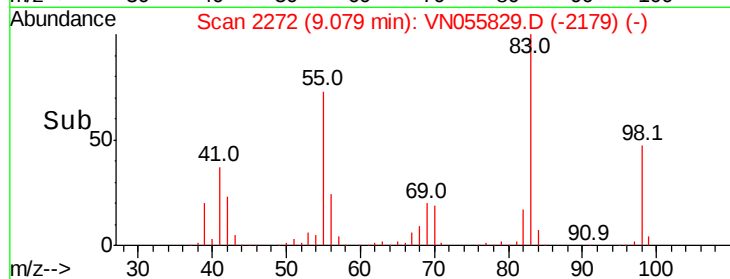
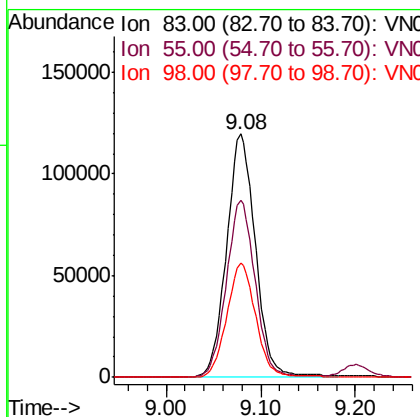
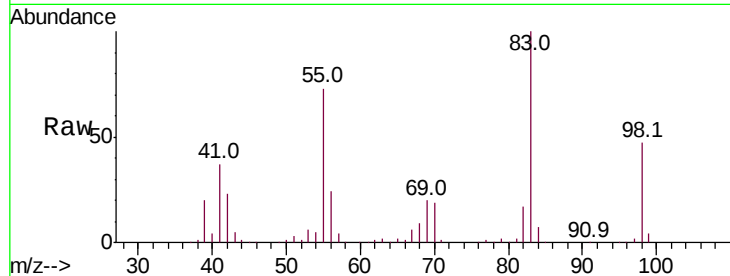
#39
Methvlcvclohexane
Concen: 45.658 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	59.3	88.9
98	46.8	36.6	54.8

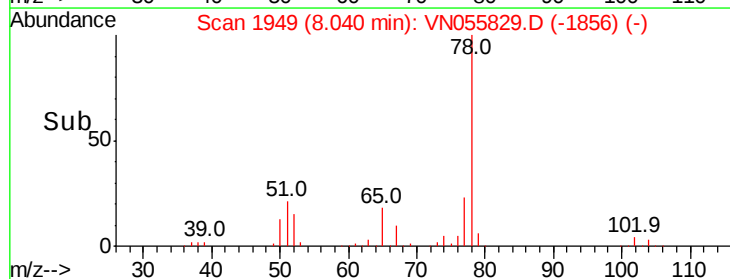
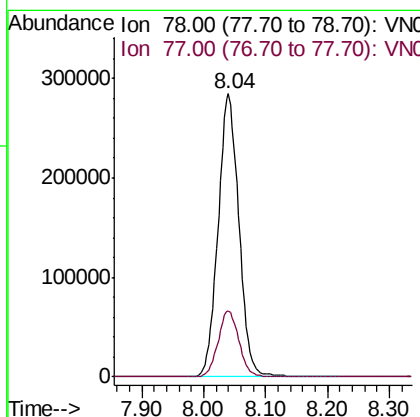
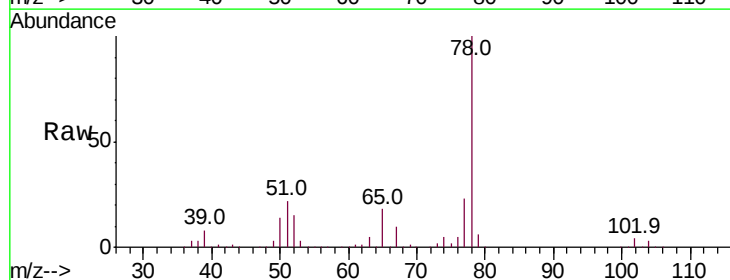
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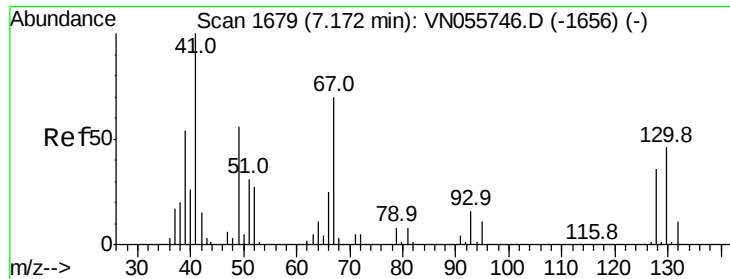
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#40
Benzene
Concen: 48.905 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





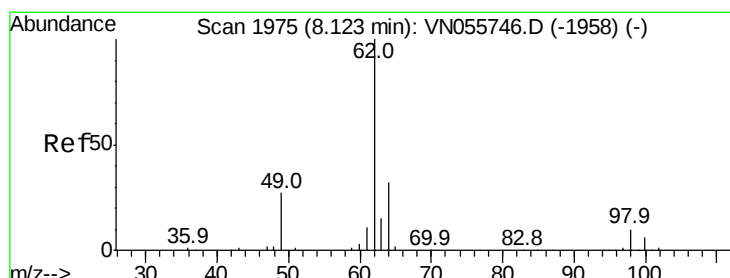
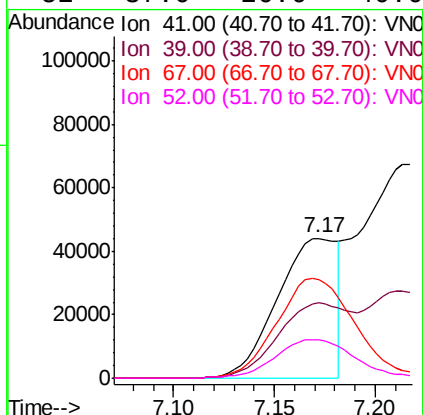
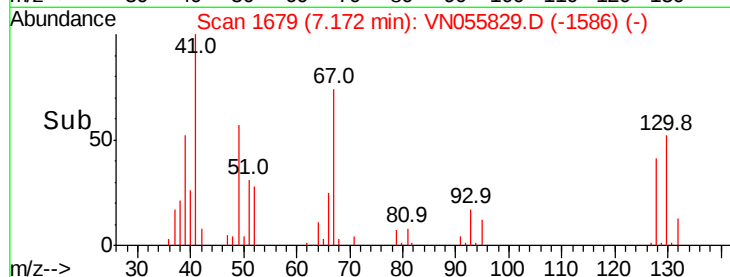
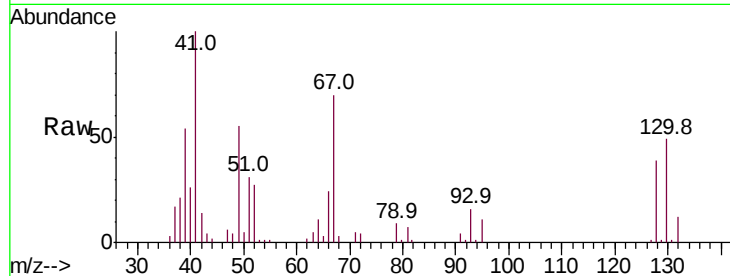
#41
Methacrylonitrile
Concen: 41.327 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	41	Resp	90812
Ion	Ratio	Lower	Upper
41	100		
39	66.4	45.6	68.4
67	93.9	67.7	101.5
52	37.0	26.6	40.0

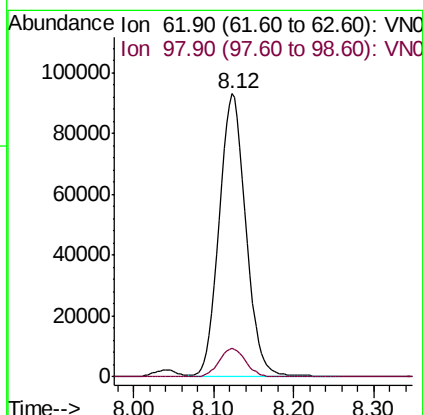
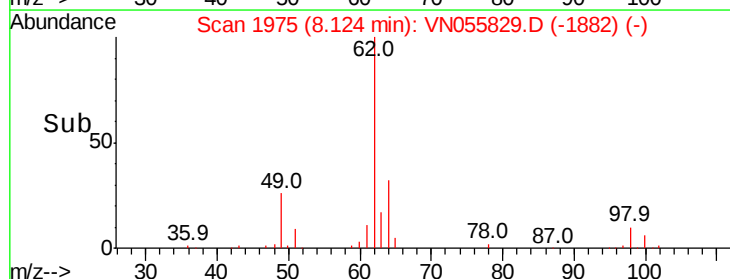
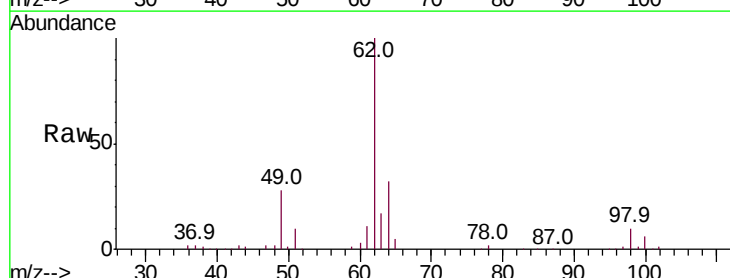
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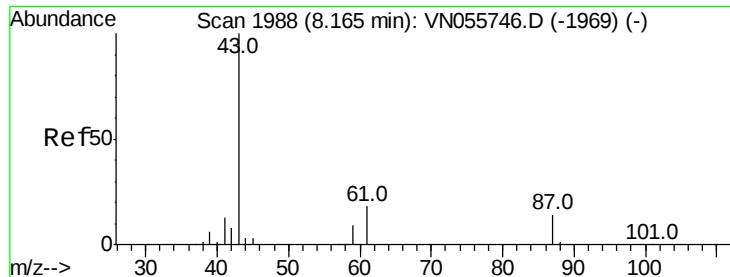
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#42
1,2-Dichloroethane
Concen: 48.362 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	62	Resp	214335
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 40.213 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

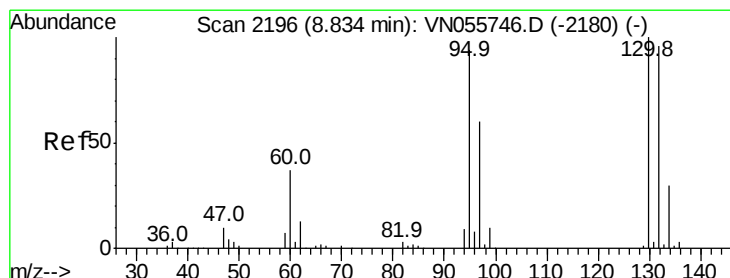
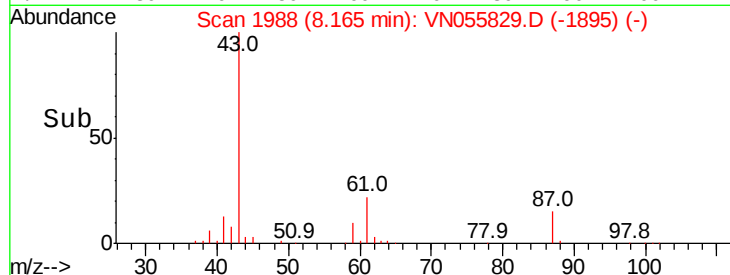
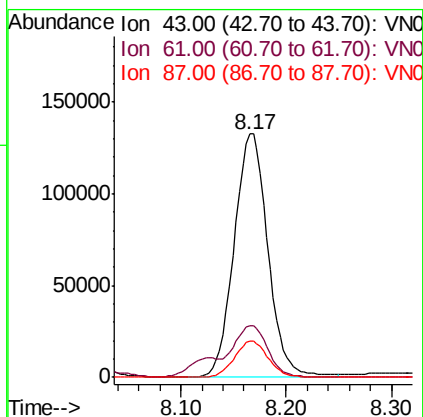
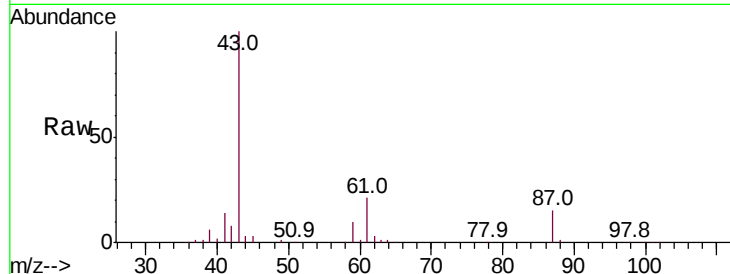
ClientSampleId :

MW2-R1-1MS

Tot Ion:	43	Resp:	293878
Ion Ratio	Lower	Upper	
43	100		
61	20.8	22.2	33.4#
87	14.9	11.4	17.2

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#44

Trichloroethene

Concen: 50.090 ug/l

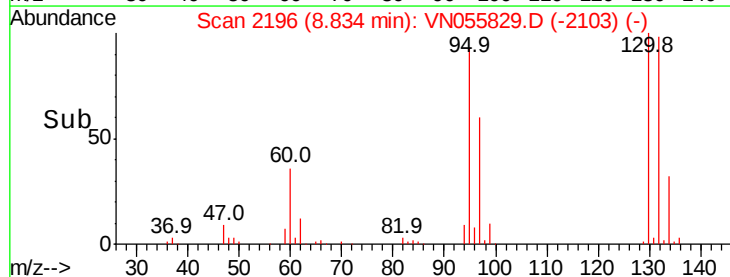
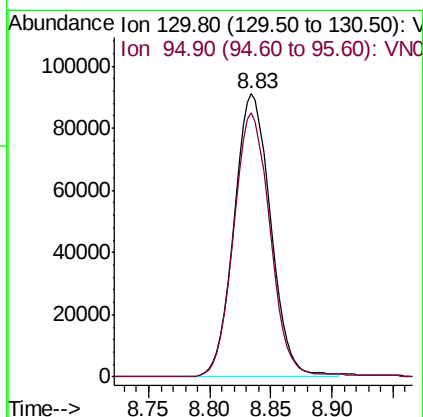
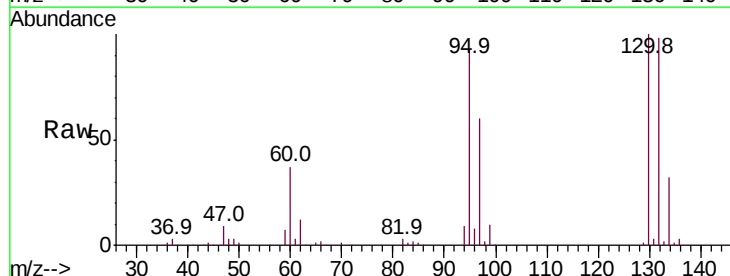
RT: 8.83 min Scan# 2196

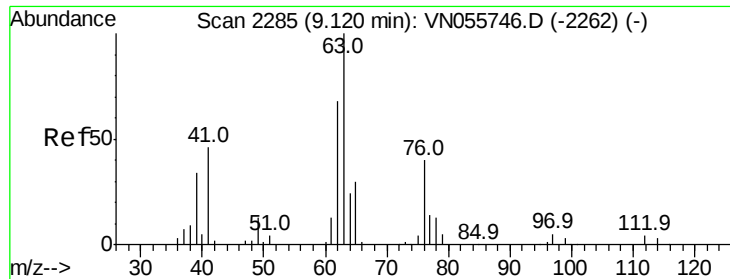
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	130	Resp:	189399
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	188.0





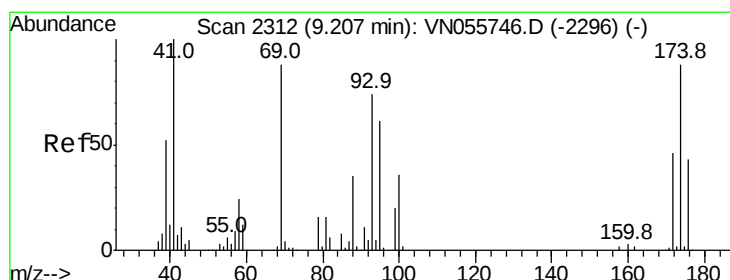
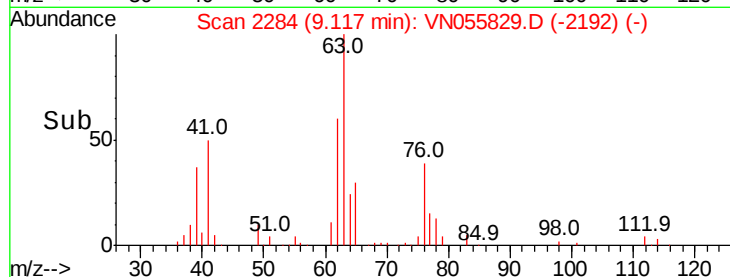
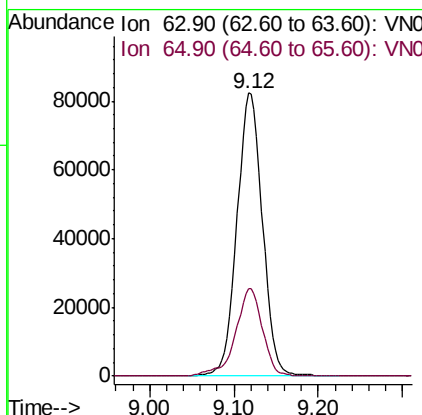
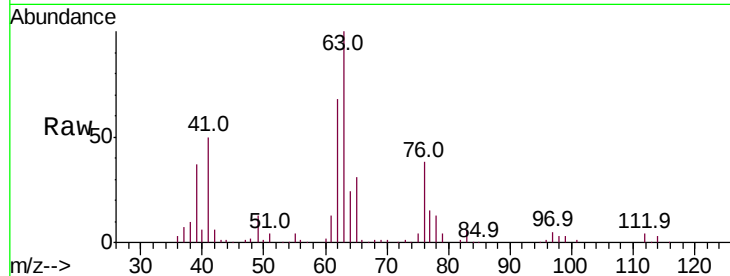
#45
 1,2-Dichloropropane
 Concen: 49.159 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

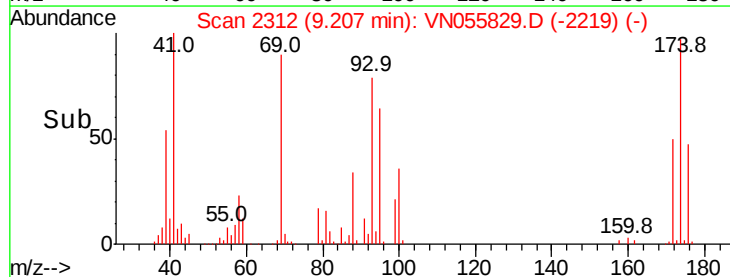
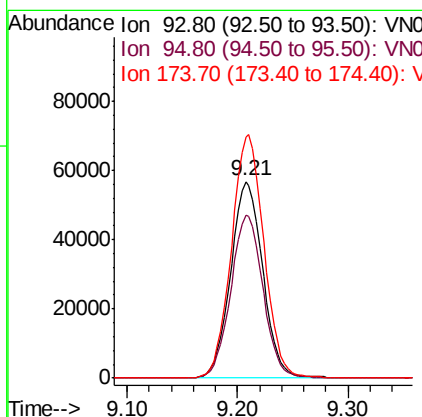
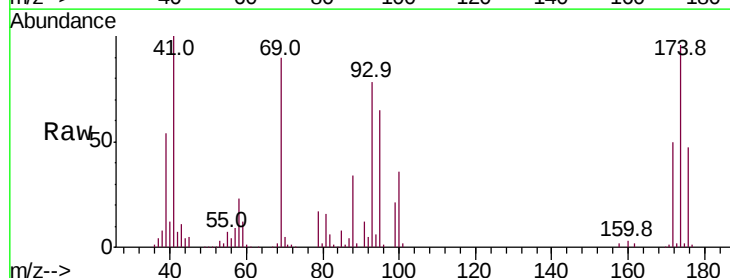
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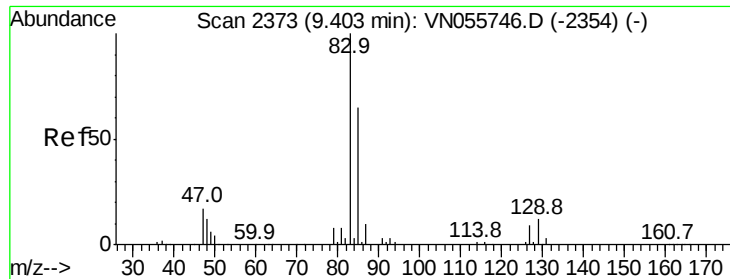
MMDadoda
 5/28/2019 10:36:49 AM



#46
 Dibromomethane
 Concen: 49.508 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	125.1	96.4	144.6





#47

Bromodichloromethane

Concen: 47.230 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

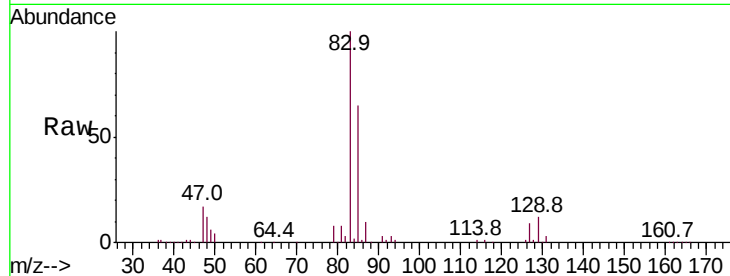
ClientSampleId :

MW2-R1-1MS

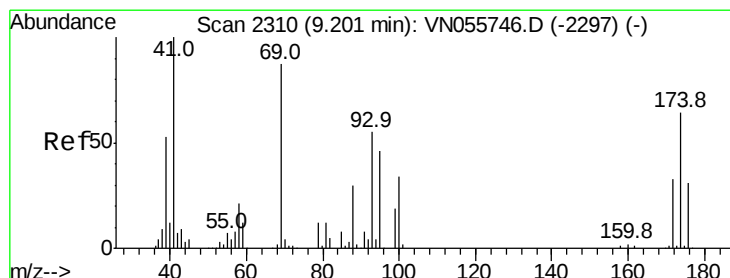
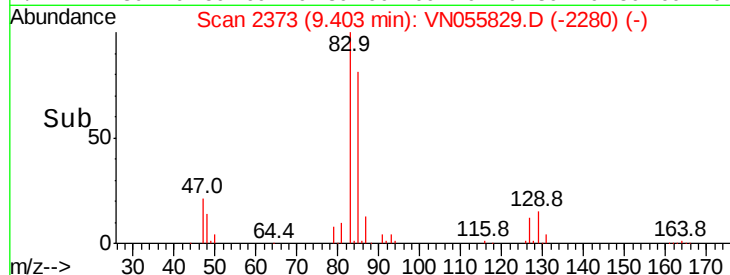
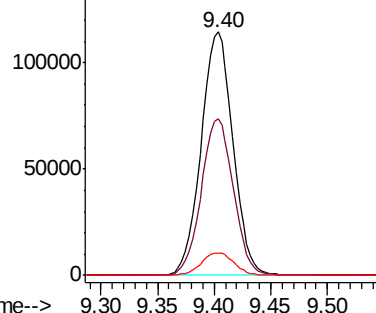
Tot Ion:	83	Resp:	224441
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.3	7.4	11.0

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



#48

Methyl methacrylate

Concen: 48.907 ug/l

RT: 9.20 min Scan# 2310

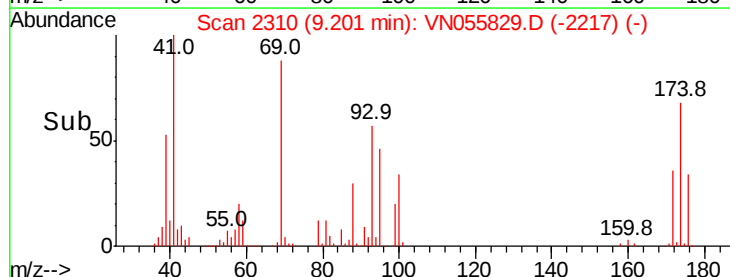
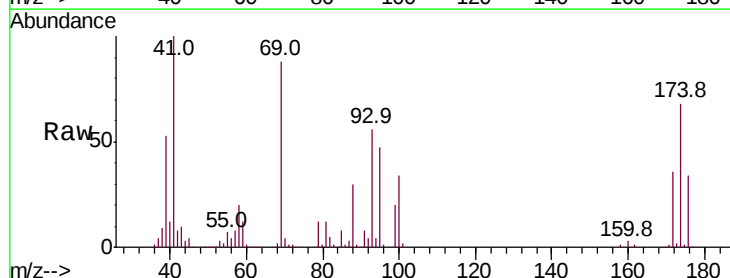
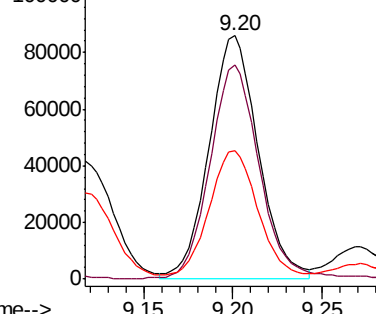
Delta R.T. 0.00 min

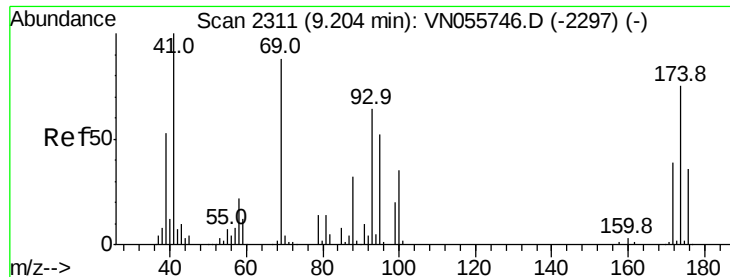
Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	41	Resp:	164722
Ion Ratio	Lower	Upper	
41	100		
69	88.4	71.0	106.6
39	53.4	44.2	66.2

Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 891.539 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 88 Resp: 62400

Ion Ratio Lower Upper

88 100

43 27.4 20.5 30.7

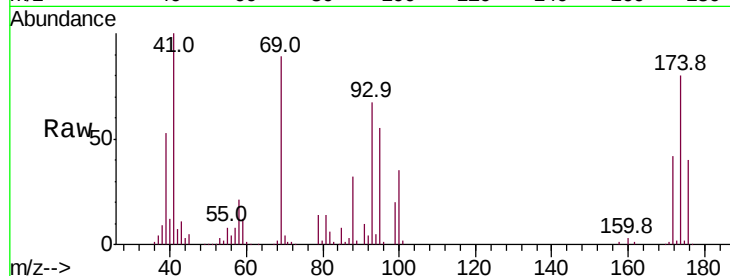
58 69.4 55.8 83.6

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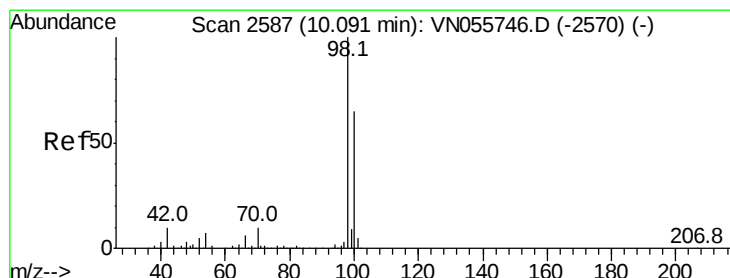
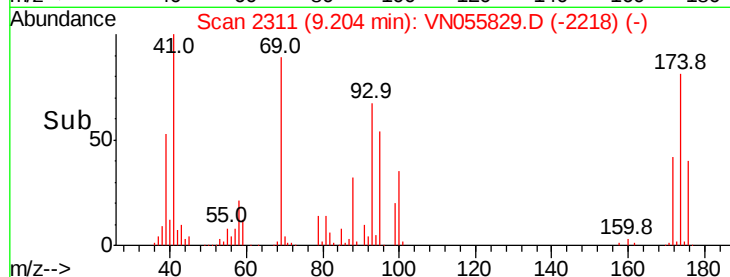
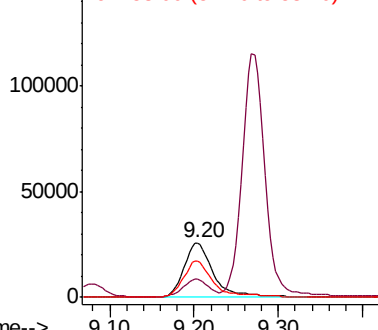


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.664 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055829.D

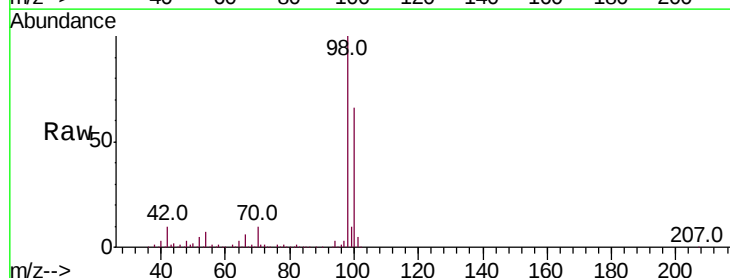
Acq: 25 May 2019 5:54

Tgt Ion: 98 Resp: 621990

Ion Ratio Lower Upper

98 100

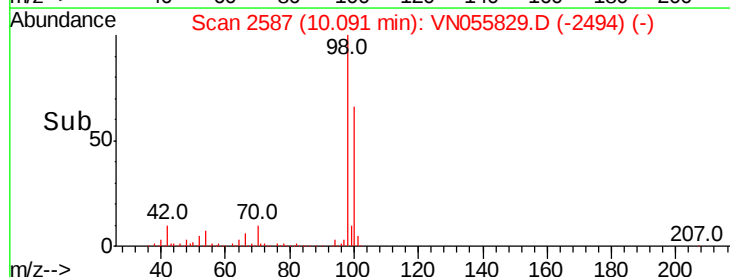
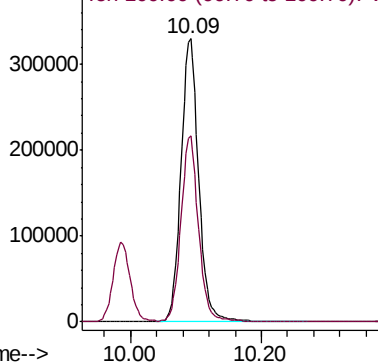
100 65.3 51.9 77.9

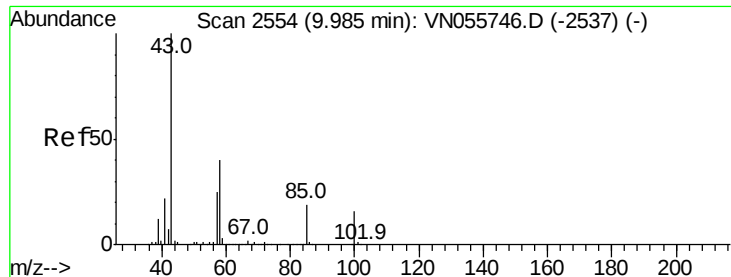


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 237.910 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 43 Resp: 1026846

Ion Ratio Lower Upper

43 100

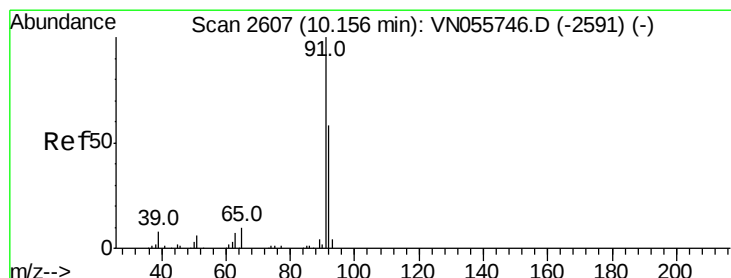
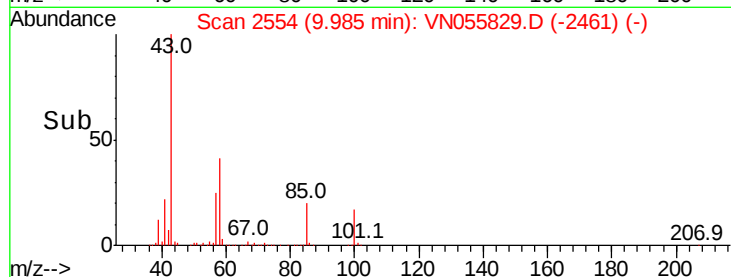
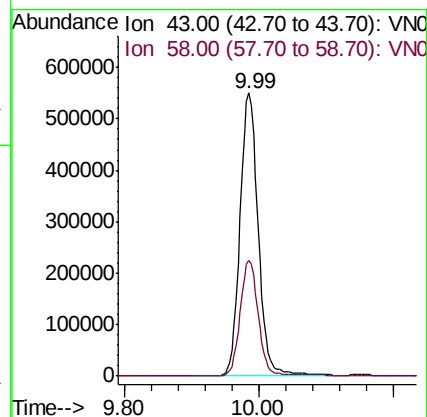
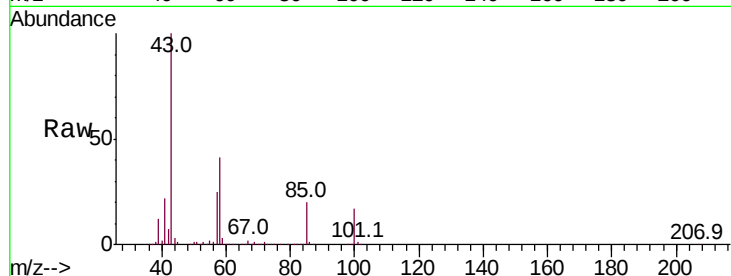
58 40.5 32.1 48.1

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#52

Toluene

Concen: 49.917 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055829.D

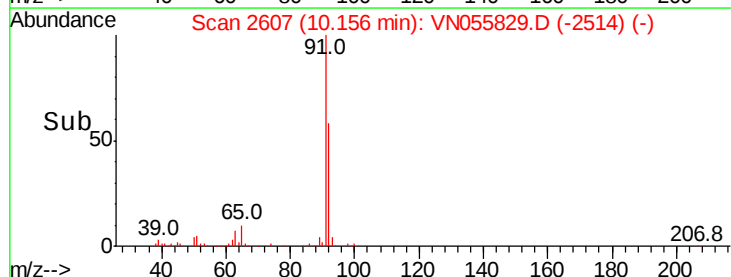
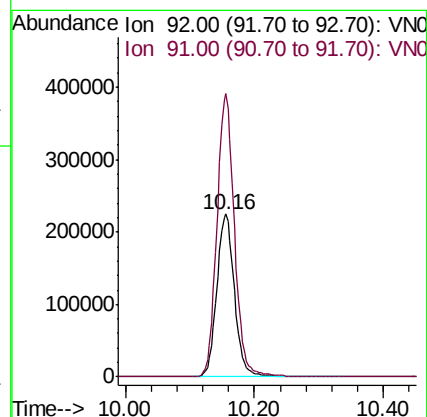
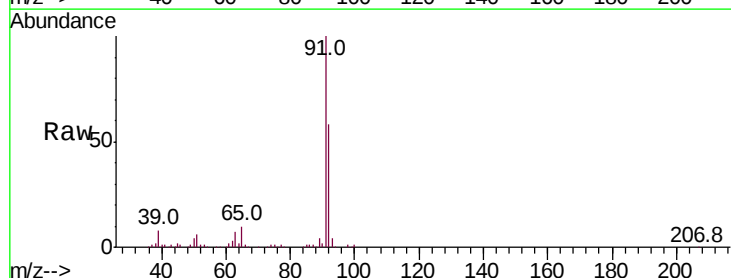
Acq: 25 May 2019 5:54

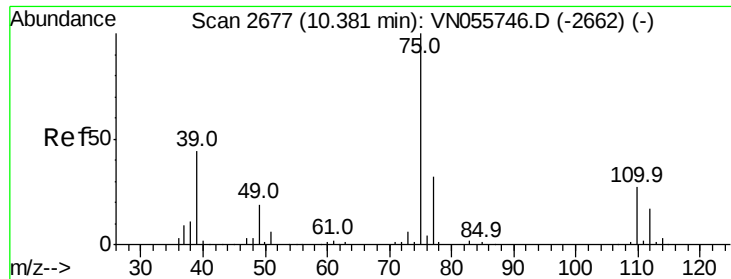
Tgt Ion: 92 Resp: 425803

Ion Ratio Lower Upper

92 100

91 172.8 139.4 209.2





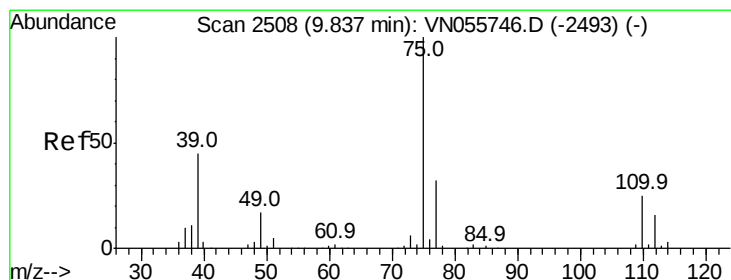
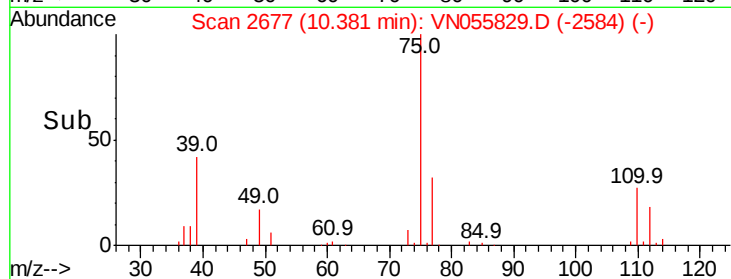
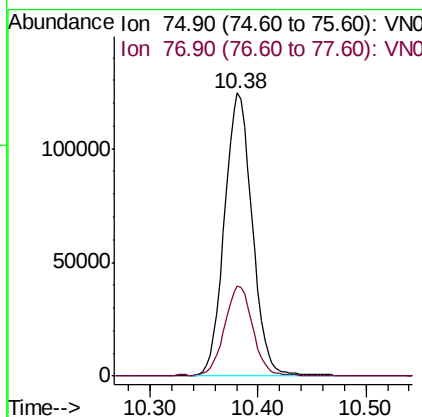
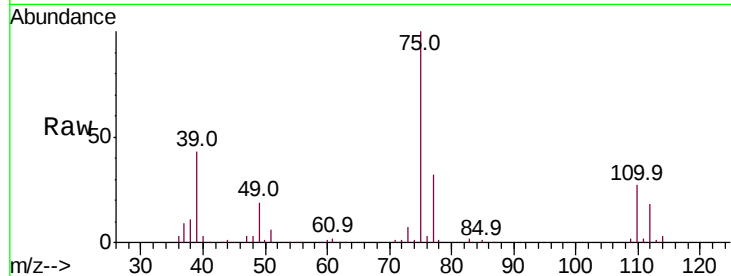
#53
t-1,3-Dichloropropene
Concen: 44.154 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampled :
MW2-R1-1MS

Tot Ion: 75 Resp: 223971
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

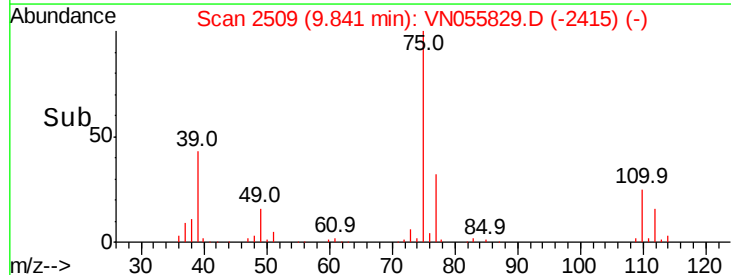
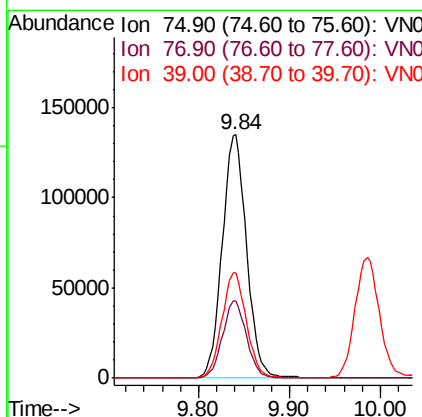
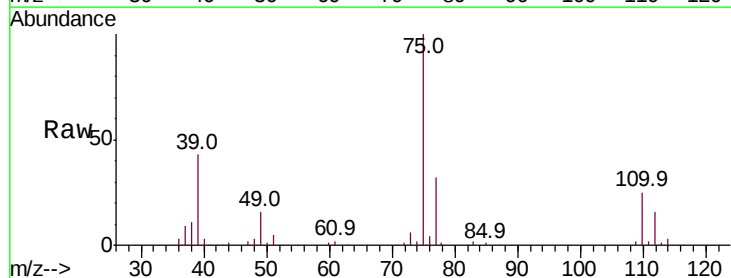
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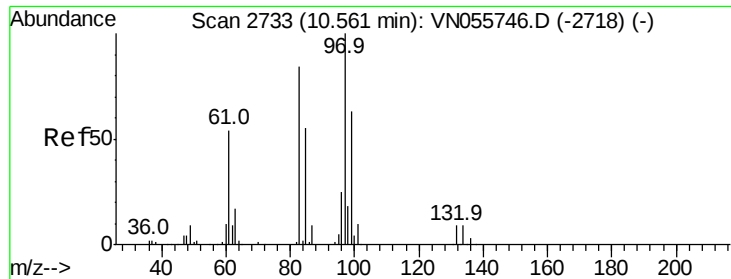
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#54
cis-1,3-Dichloropropene
Concen: 44.757 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion: 75 Resp: 251500
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 43.1 36.3 54.5





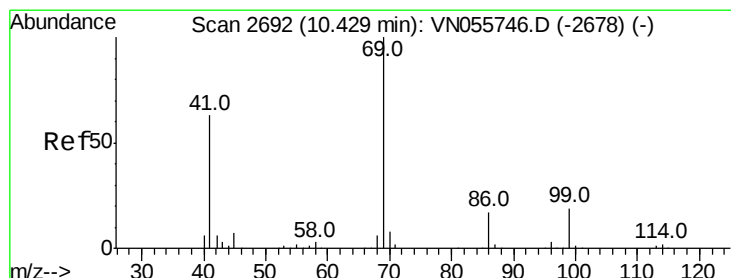
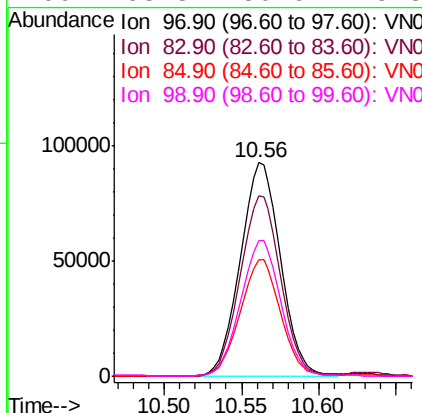
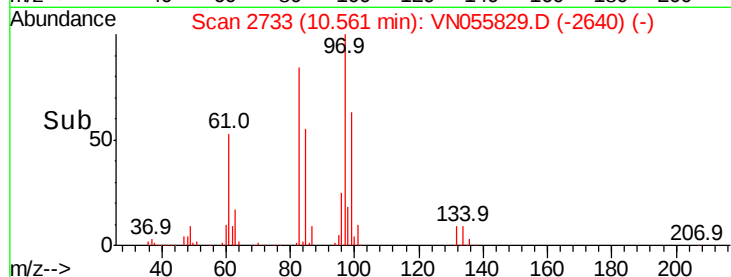
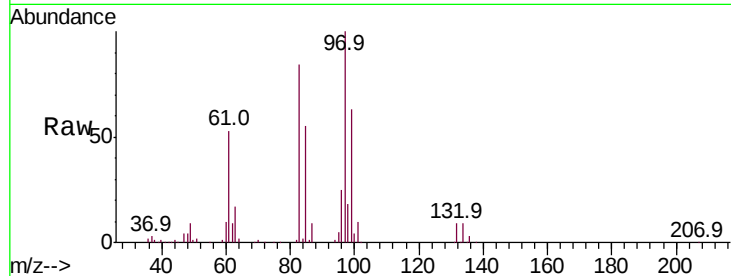
#55
 1,1,2-Trichloroethane
 Concen: 49.222 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	97	Resp	168205
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	54.6	44.0	66.0
99	63.3	50.6	75.8

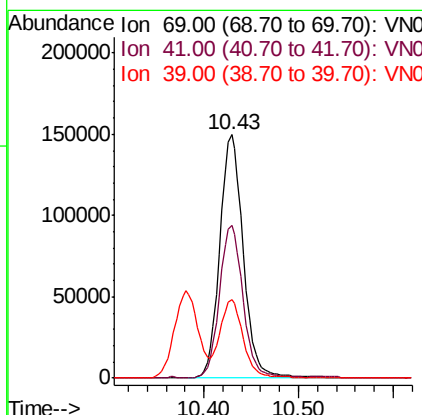
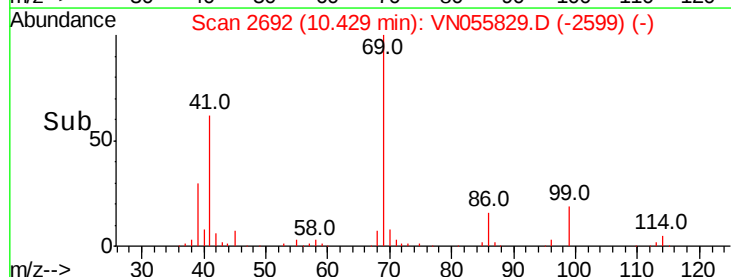
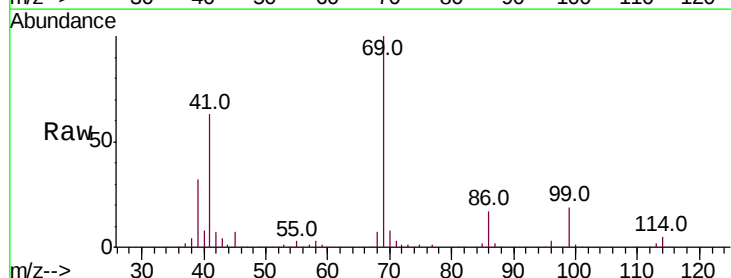
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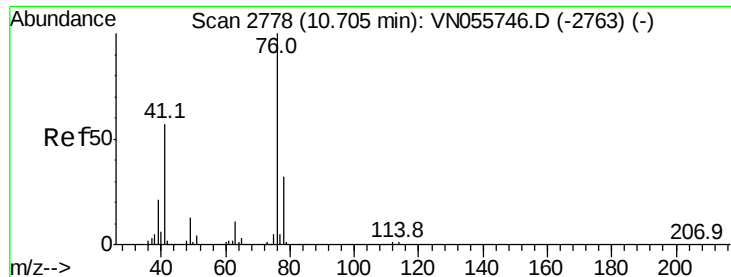
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#56
 Ethyl methacrylate
 Concen: 48.964 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	69	Resp	258594
Ion	Ratio	Lower	Upper
69	100		
41	62.3	49.7	74.5
39	31.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 48.790 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 76 Resp: 271016

Ion Ratio Lower Upper

76 100

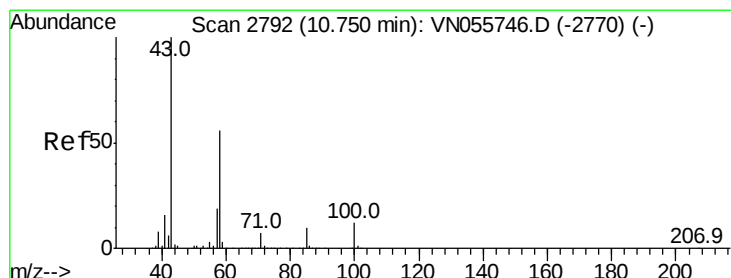
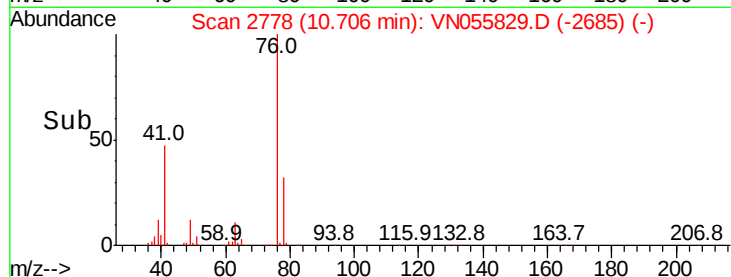
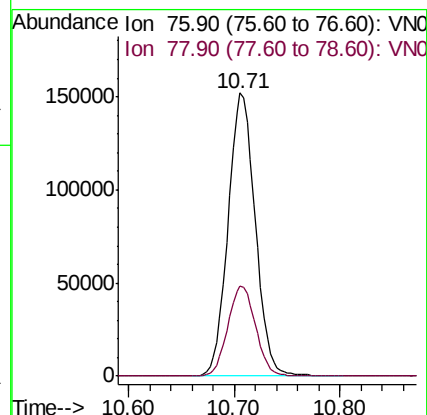
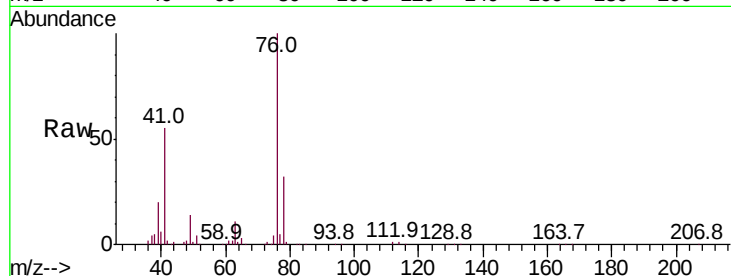
78 32.5 25.8 38.6

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#59

2-Hexanone

Concen: 229.449 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055829.D

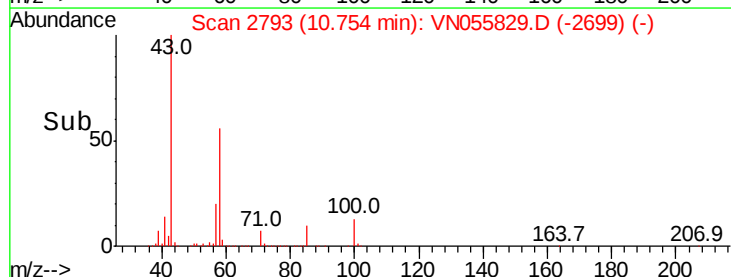
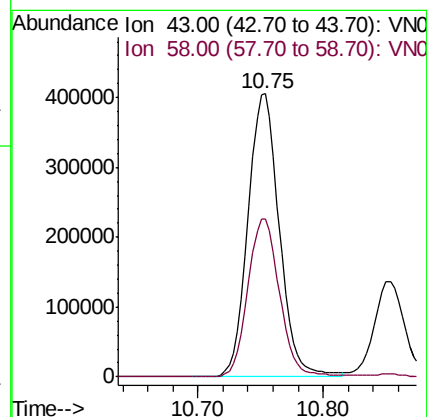
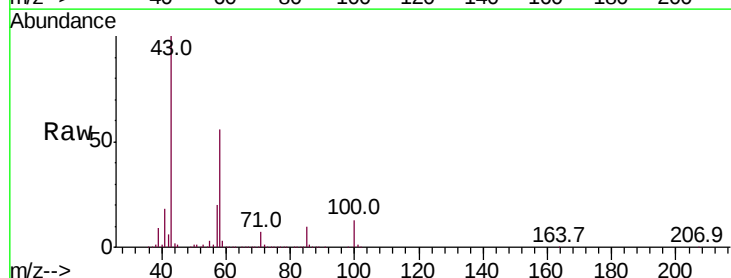
Acq: 25 May 2019 5:54

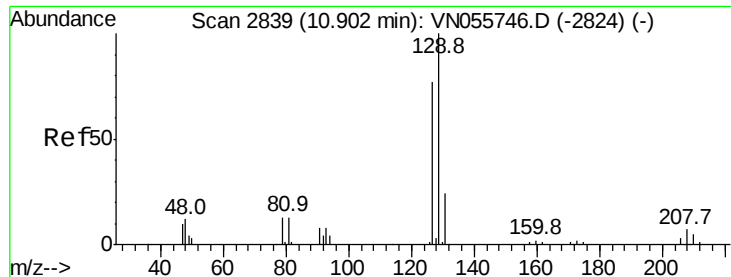
Tgt Ion: 43 Resp: 702546

Ion Ratio Lower Upper

43 100

58 56.7 28.2 84.7





#60

Dibromochloromethane

Concen: 48.577 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion:129 Resp: 193381

Ion Ratio Lower Upper

129 100

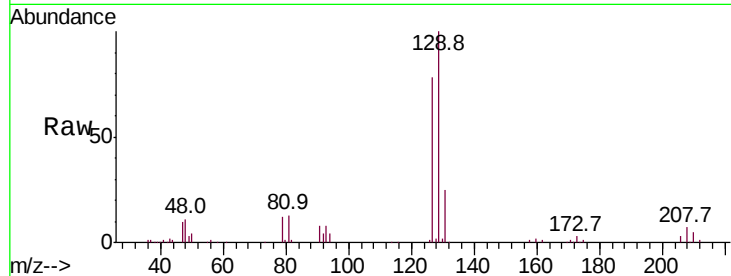
127 77.3 38.1 114.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

120000

100000

80000

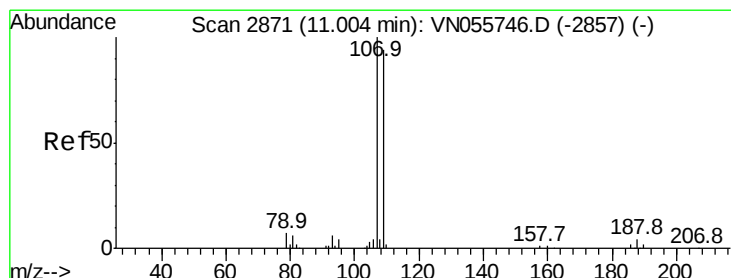
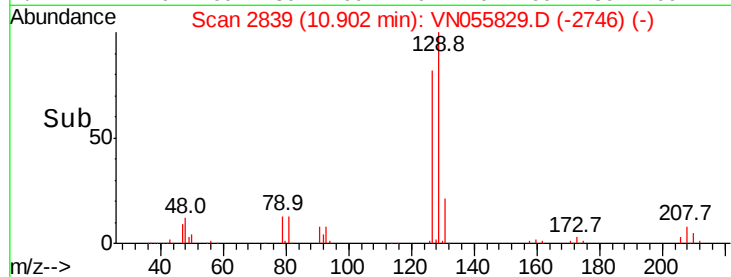
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 48.852 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055829.D

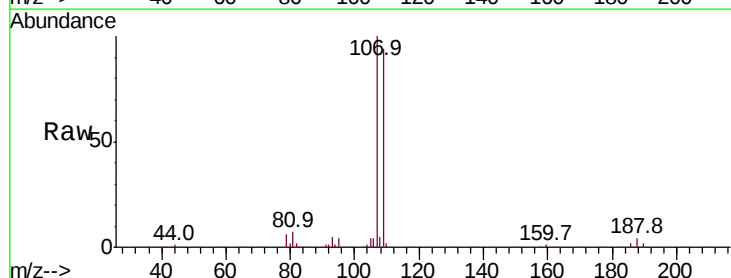
Acq: 25 May 2019 5:54

Tgt Ion:107 Resp: 173158

Ion Ratio Lower Upper

107 100

109 96.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

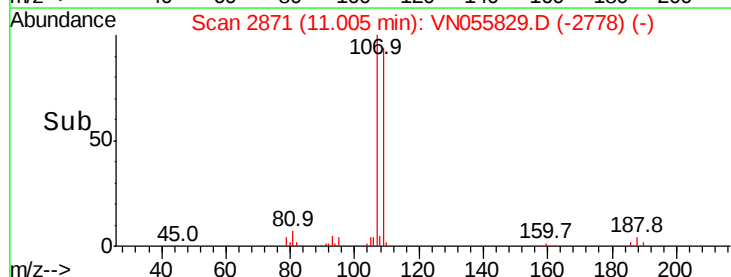
60000

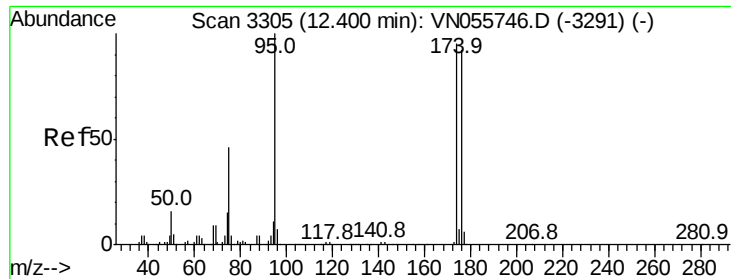
40000

20000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 50.087 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

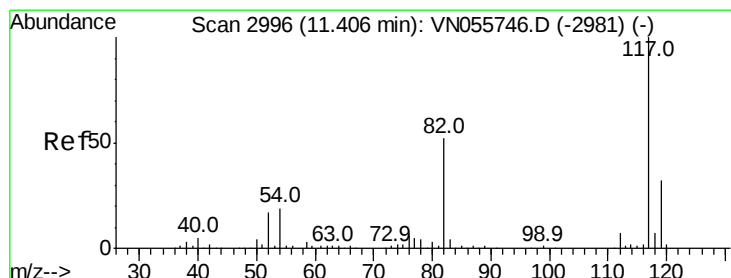
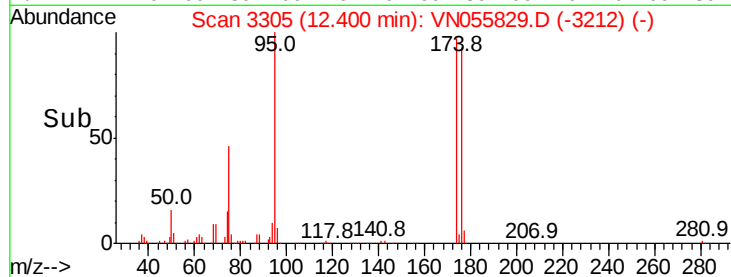
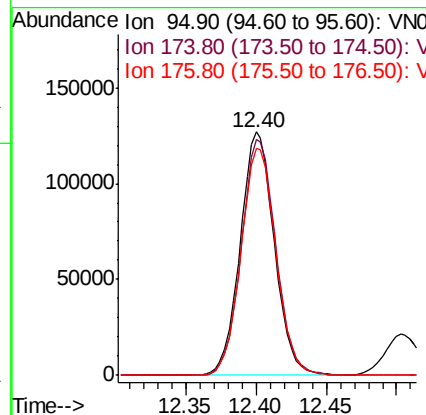
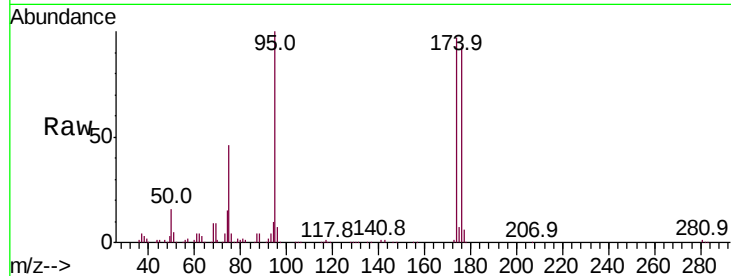
ClientSampleId :

MW2-R1-1MS

Tot Ion:	95	Resp:	215089
Ion Ratio	Lower	Upper	
95	100		
174	98.0	0.0	191.0
176	95.2	0.0	185.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

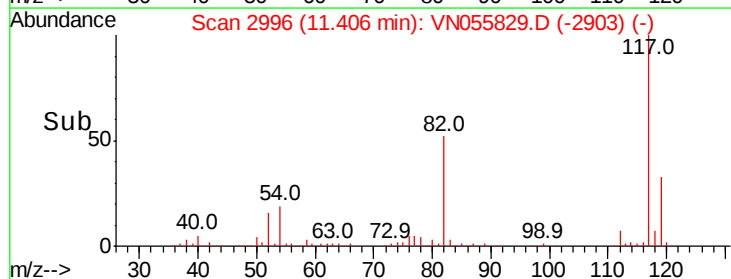
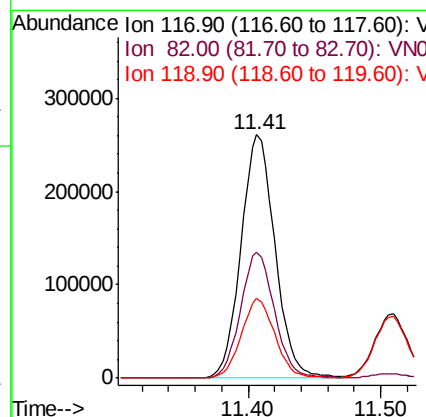
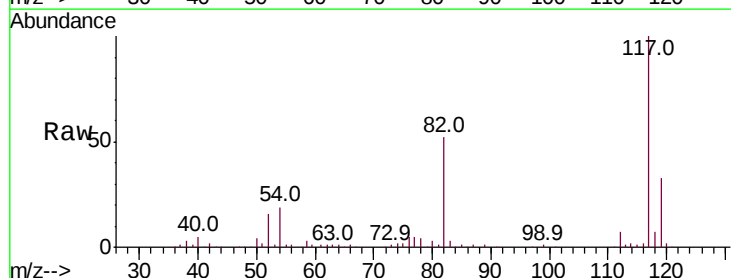
RT: 11.41 min Scan# 2996

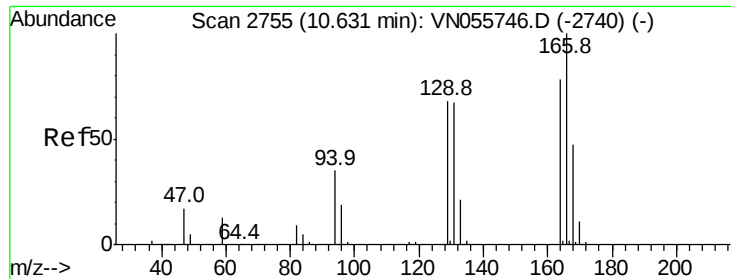
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	117	Resp:	464323
Ion Ratio	Lower	Upper	
117	100		
82	51.9	41.8	62.8
119	32.5	25.4	38.0





#64

Tetrachloroethene

Concen: 47.592 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

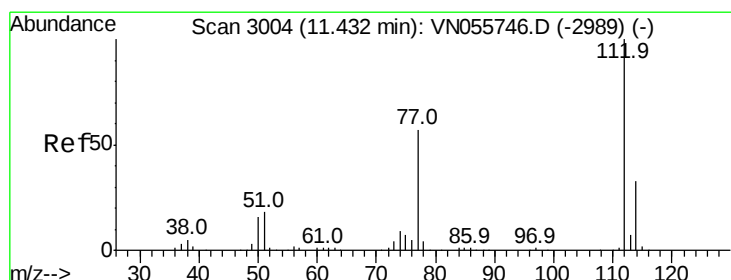
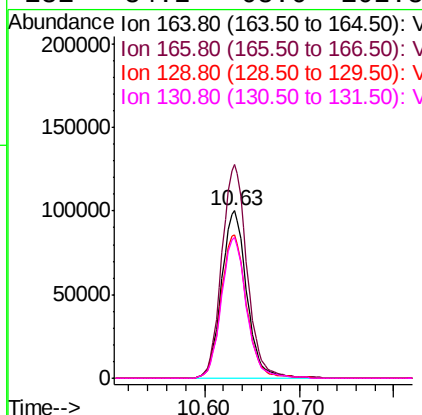
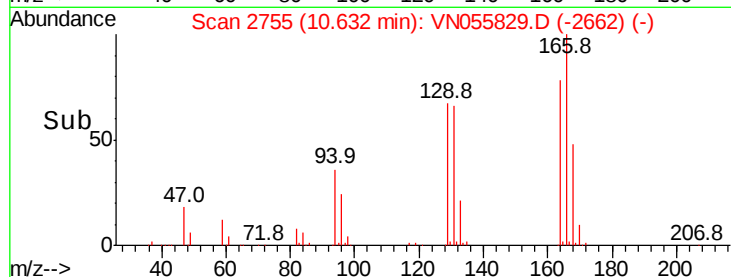
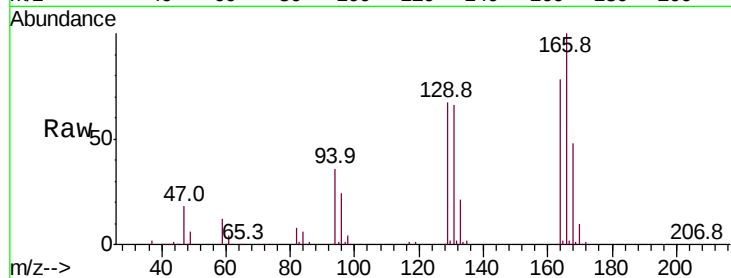
ClientSampleId :

MW2-R1-1MS

Tot Ion:	164	Resp:	186381
Ion Ratio	Lower	Upper	
164	100		
166	127.8	103.0	154.6
129	86.0	70.6	105.8
131	84.2	68.6	102.8

Manual Integrations
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#65

Chlorobenzene

Concen: 49.341 ug/l

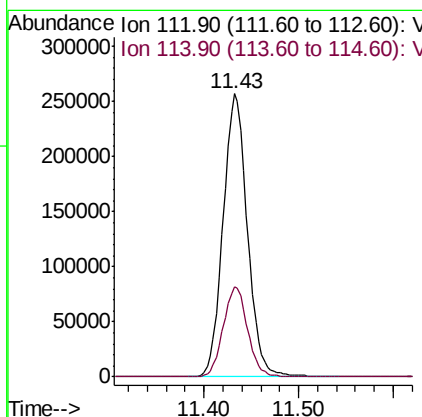
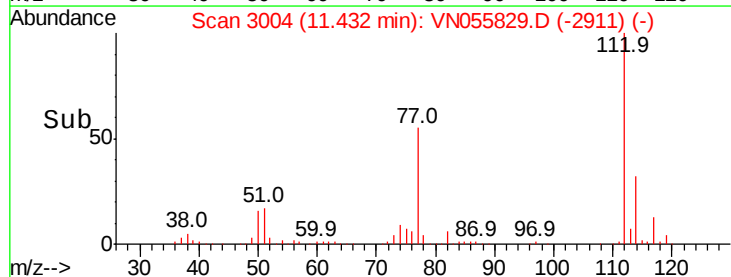
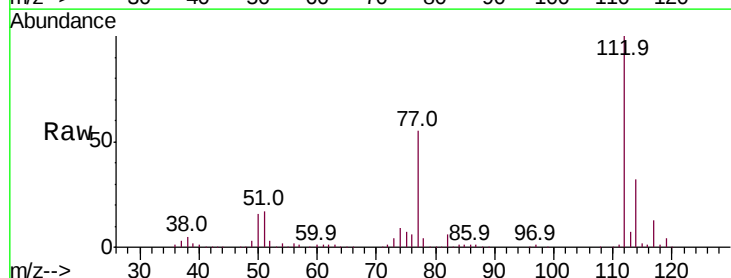
RT: 11.43 min Scan# 3004

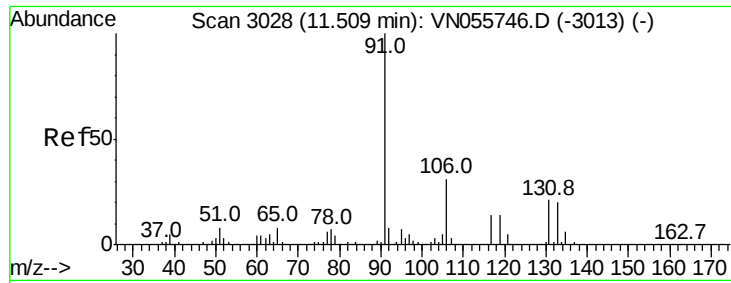
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	112	Resp:	458633
Ion Ratio	Lower	Upper	
112	100		
114	31.8	26.2	39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 47.598 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

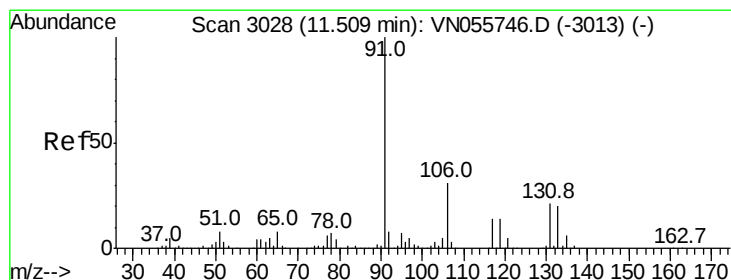
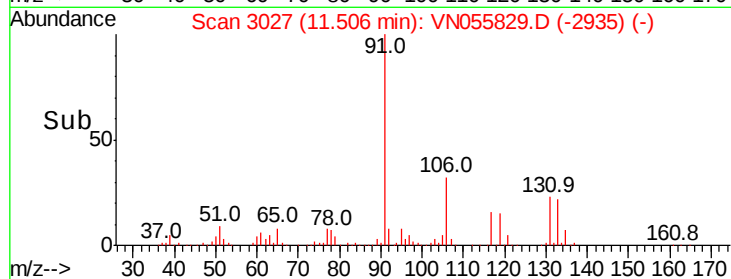
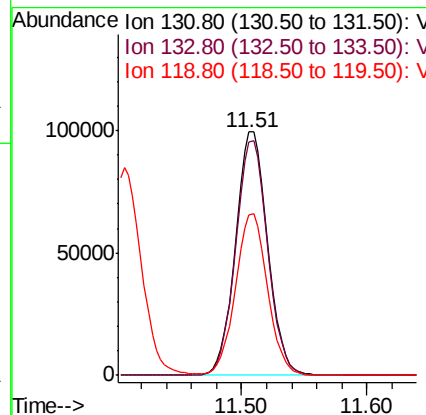
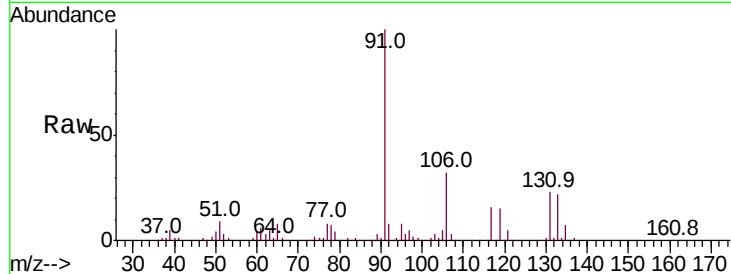
ClientSampleId :

MW2-R1-1MS

Tot Ion:	131	Resp:	176459
Ion Ratio	Lower	Upper	
131	100		
133	96.0	48.0	144.0
119	66.5	33.1	99.5

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#67

Ethyl Benzene

Concen: 47.812 ug/l

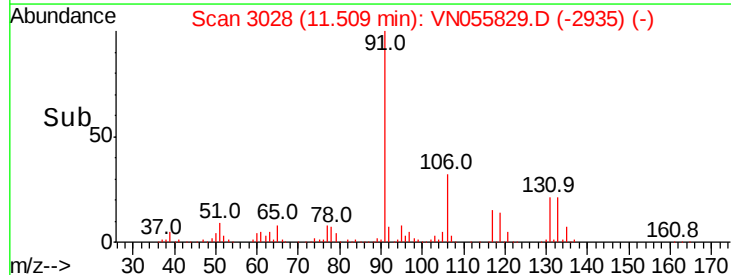
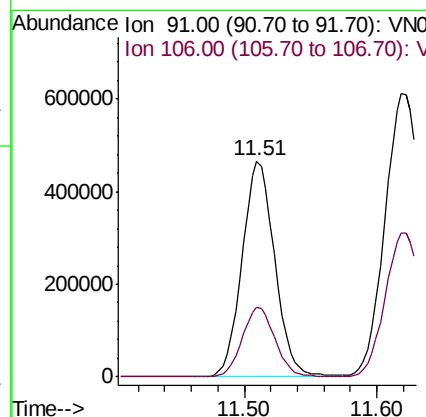
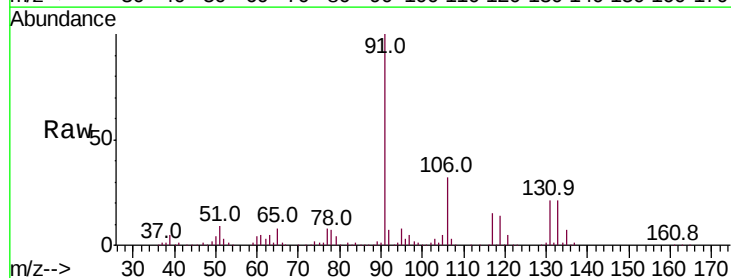
RT: 11.51 min Scan# 3028

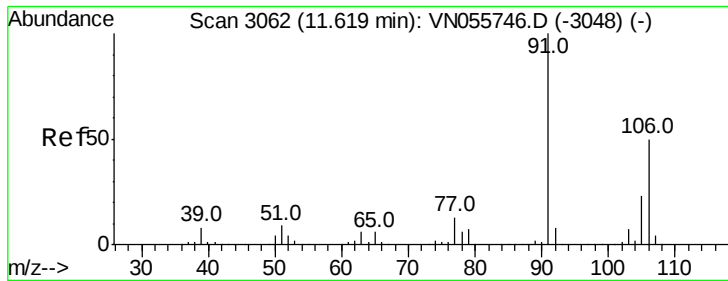
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	91	Resp:	796981
Ion Ratio	Lower	Upper	
91	100		
106	32.3	25.1	37.7





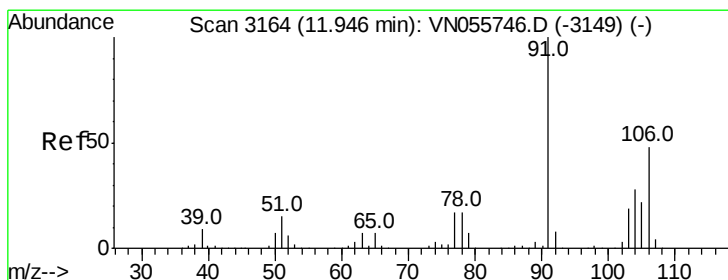
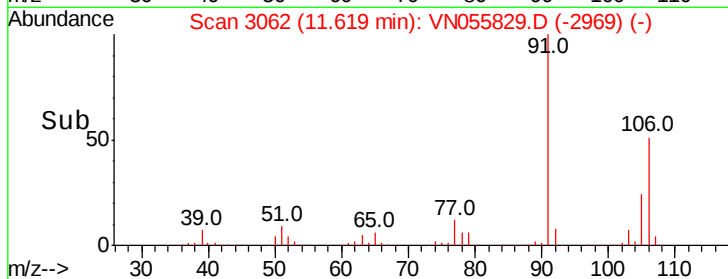
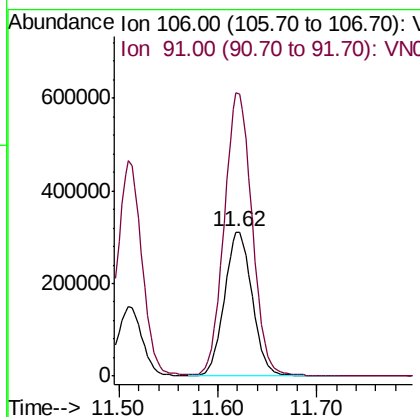
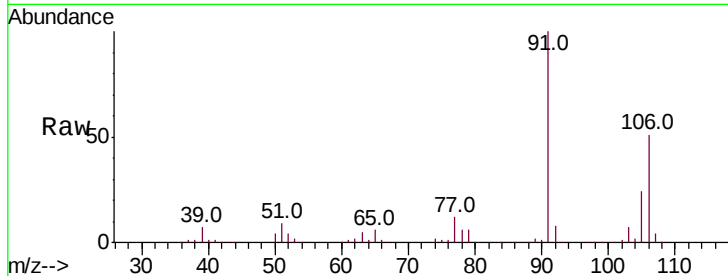
#68
m/p-Xylenes
Concen: 97.587 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion:106 Resp: 614965
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9

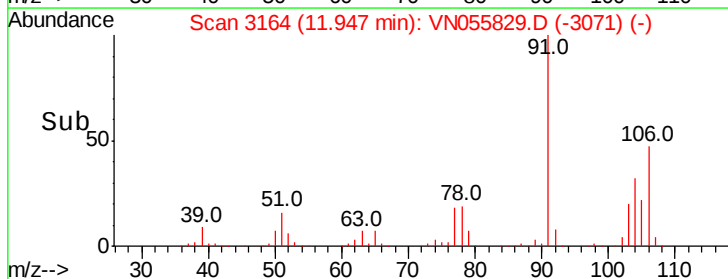
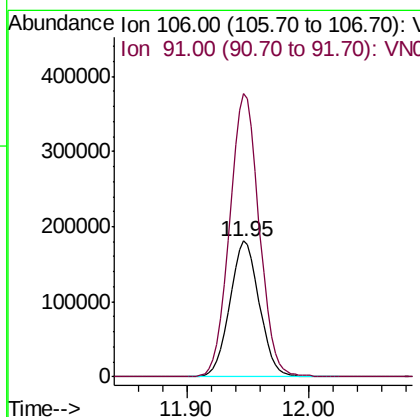
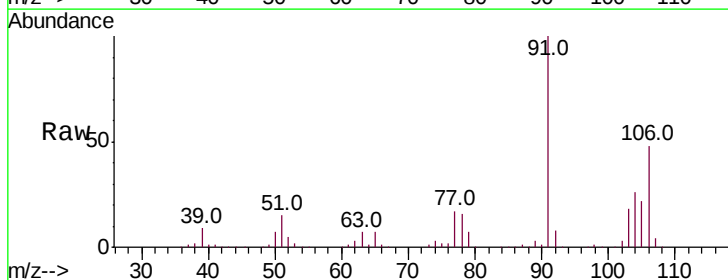
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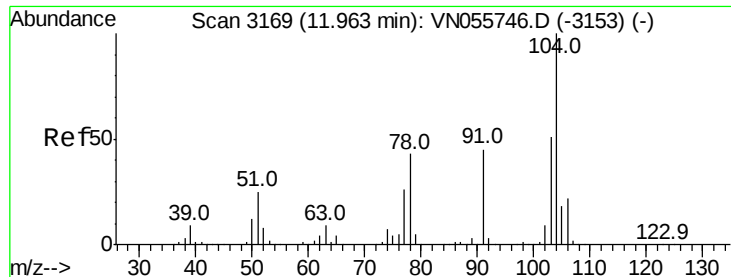
MMDadoda
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#69
o-Xylene
Concen: 48.775 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion:106 Resp: 304947
Ion Ratio Lower Upper
106 100
91 208.7 104.7 314.1





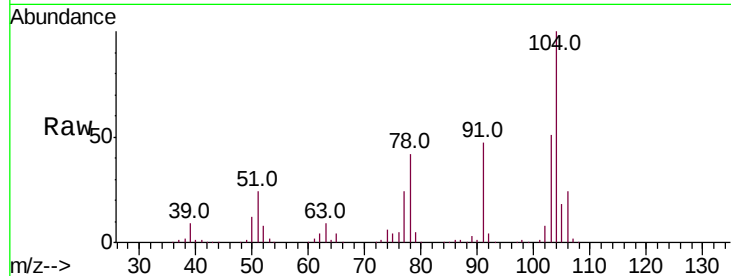
#70
Stvrene
Concen: 49.306 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

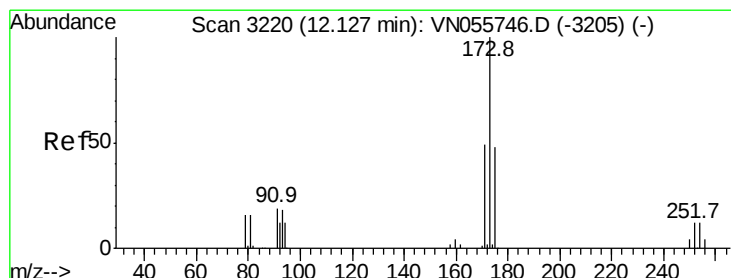
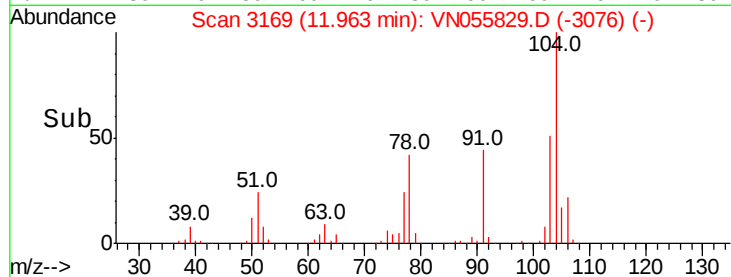
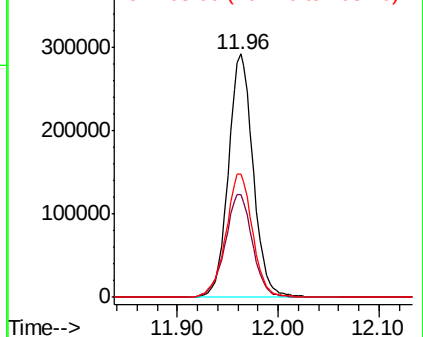
Tot Ion	Ratio	Resp	Lower	Upper
104	100	499215		
78	46.8		37.8	56.6
103	54.9		44.2	66.2

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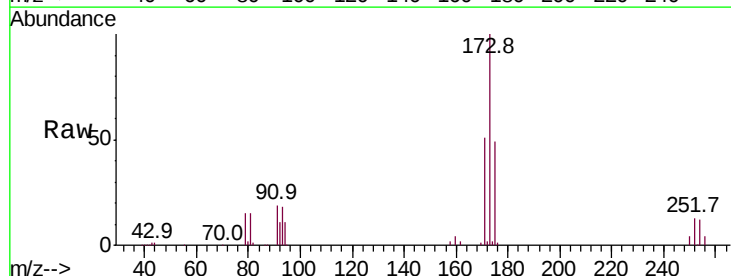


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

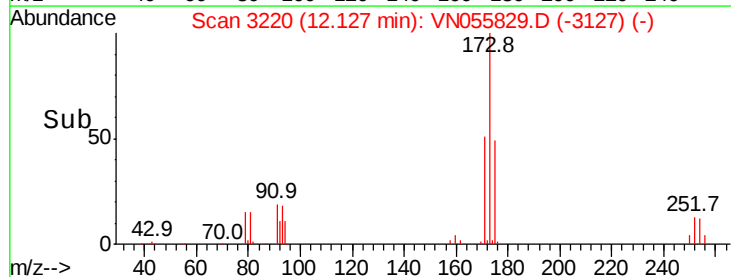
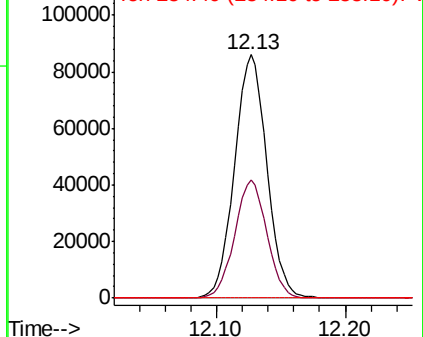


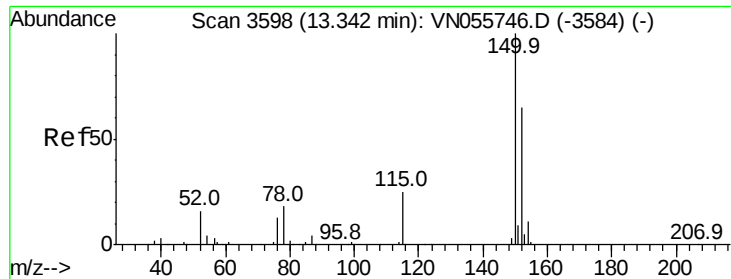
#71
Bromoform
Concen: 47.258 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	149436		
175	48.3		24.3	72.8
254	0.0		0.0	0.0#



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: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion:152 Resp: 214386

Ion Ratio Lower Upper

152 100

115 52.8 27.0 81.0

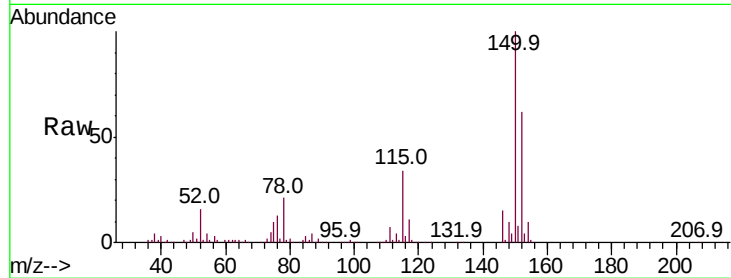
150 173.4 0.0 343.2

Manual Integrations

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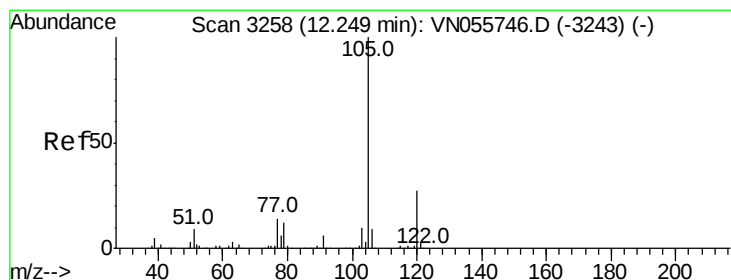
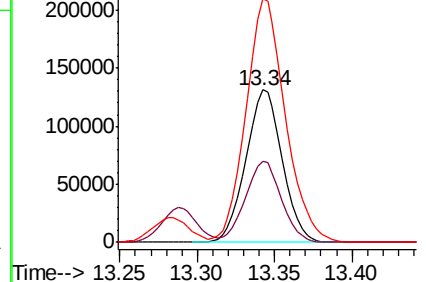
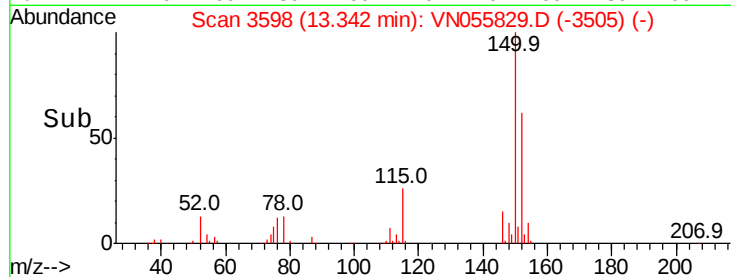
5/28/2019 10:36:49 AM



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: 52.381 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055829.D

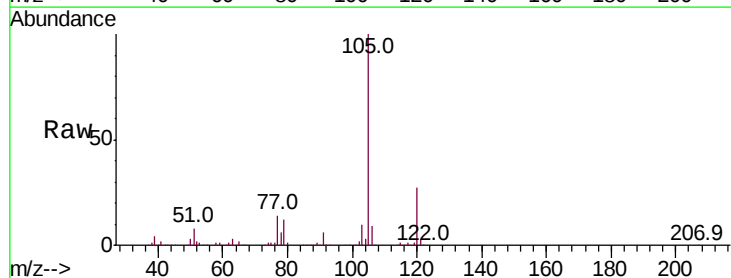
Acq: 25 May 2019 5:54

Tgt Ion:105 Resp: 796882

Ion Ratio Lower Upper

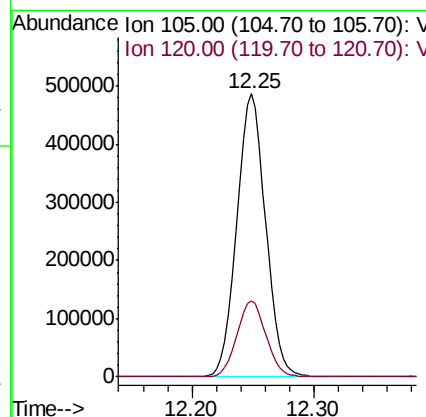
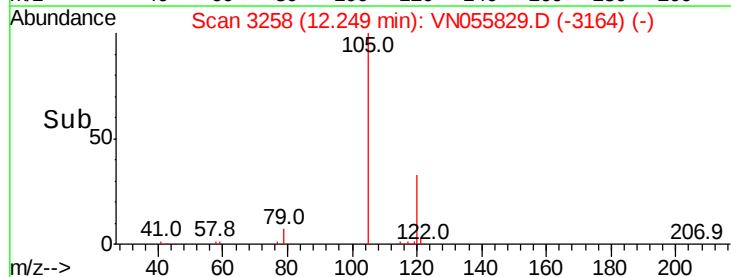
105 100

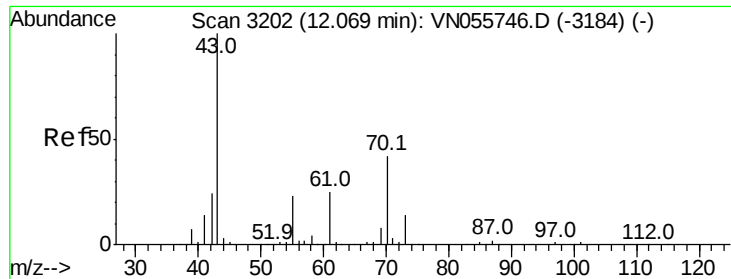
120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 38.049 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

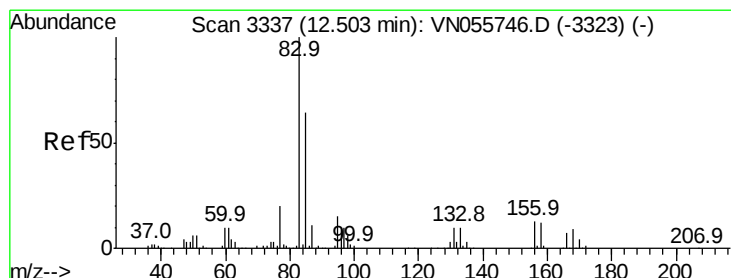
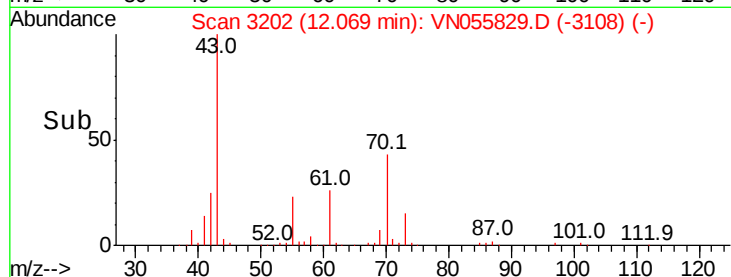
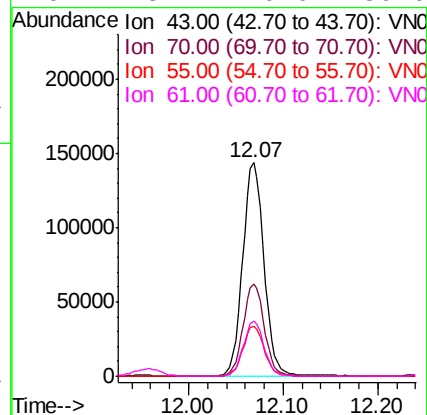
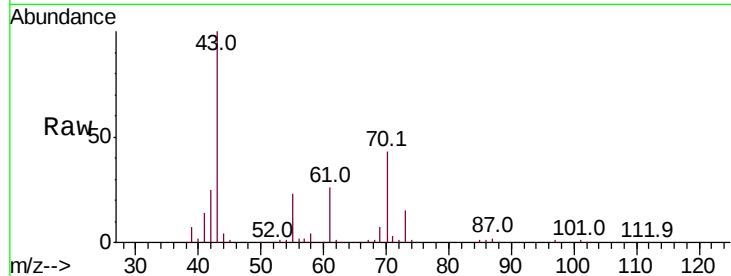
ClientSampleId :

MW2-R1-1MS

Tot Ion:	43	Resp:	224049
Ion Ratio	Lower	Upper	
43	100		
70	43.4	34.0	51.0
55	23.8	18.6	28.0
61	25.1	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.585 ug/l

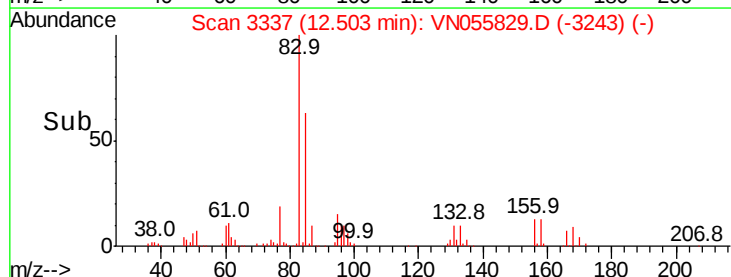
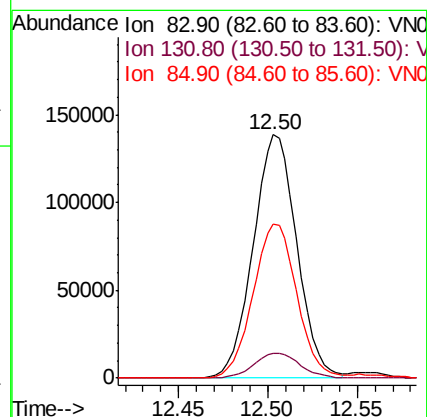
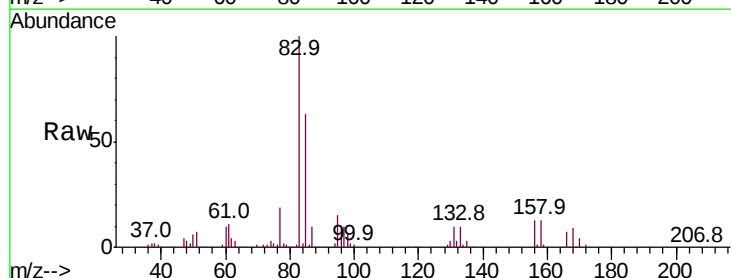
RT: 12.50 min Scan# 3337

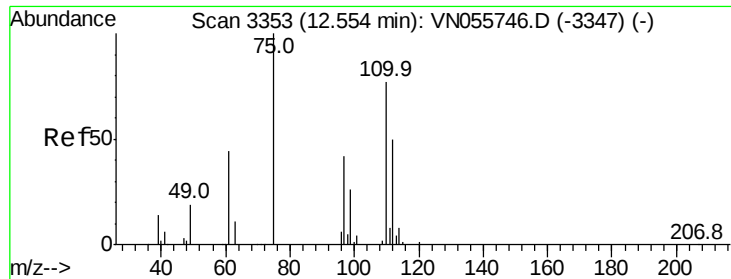
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	83	Resp:	236732
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	63.4	32.4	97.0





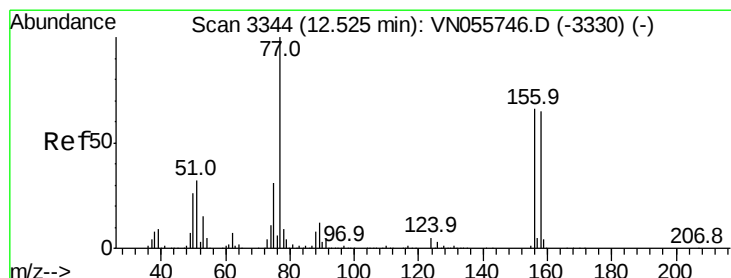
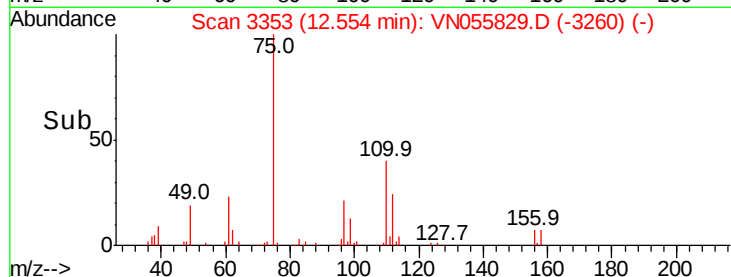
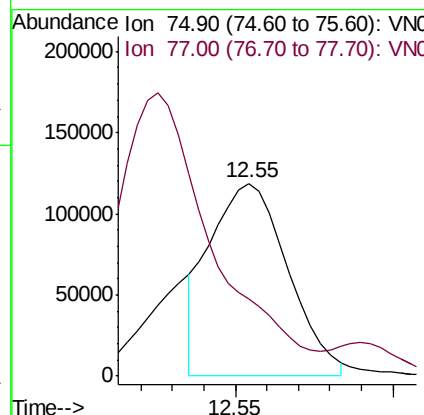
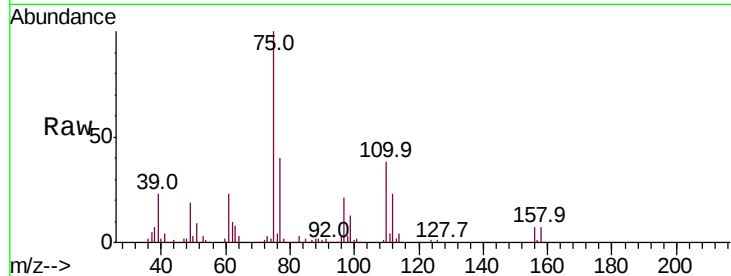
#76
1,2,3-Trichloropropane
Concen: 55.708 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

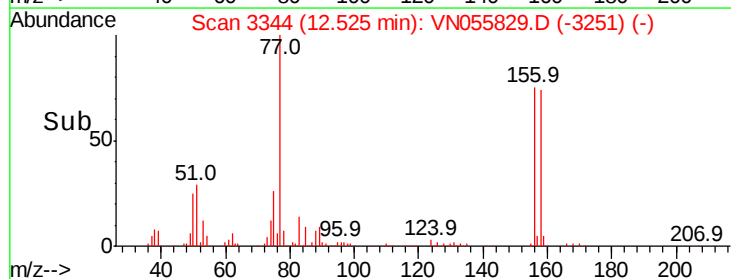
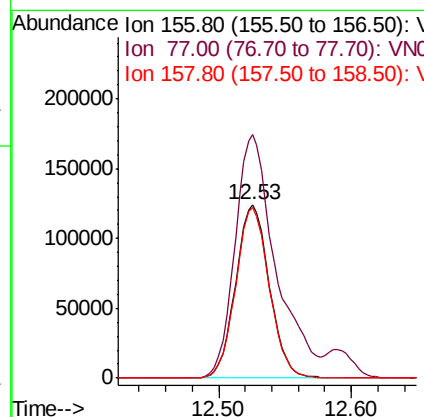
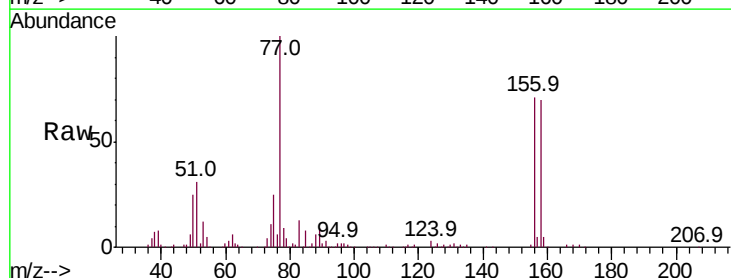
Manual Integrations
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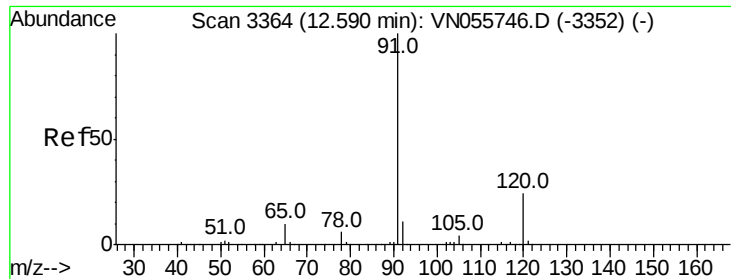
MMDadoda
5/28/2019 10:36:49 AM



#77
Bromobenzene
Concen: 47.819 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
156	100		
77	170.8	90.8	272.5
158	98.2	49.3	147.8





#78

n-propylbenzene

Concen: 45.215 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 91 Resp: 842493

Ion Ratio Lower Upper

91 100

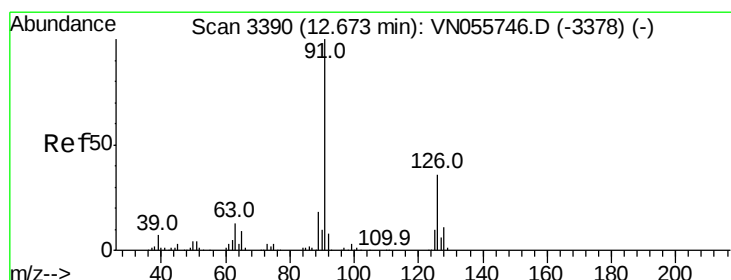
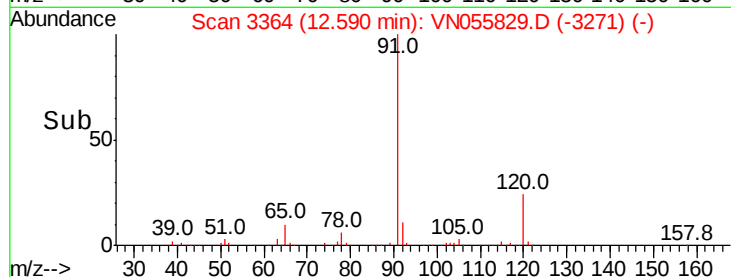
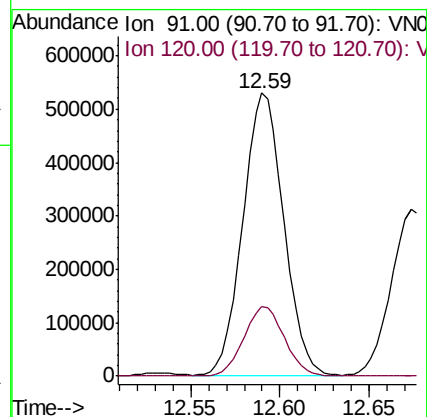
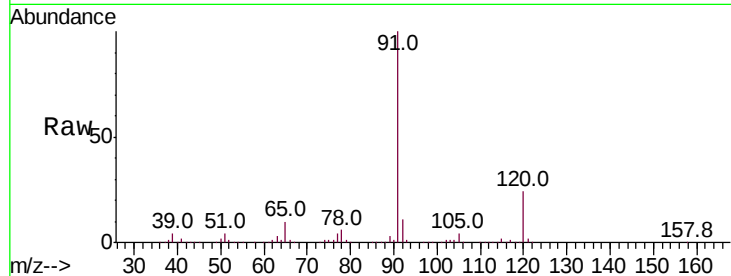
120 24.7 12.0 36.0

Manual Integrations

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#79

2-Chlorotoluene

Concen: 51.699 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055829.D

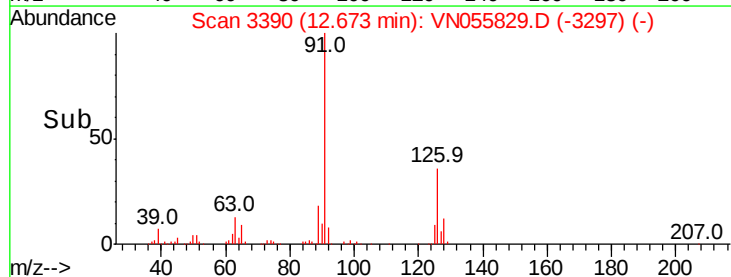
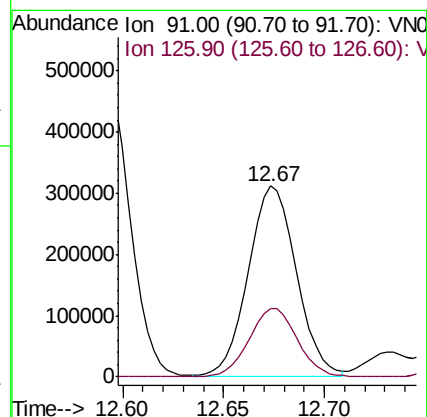
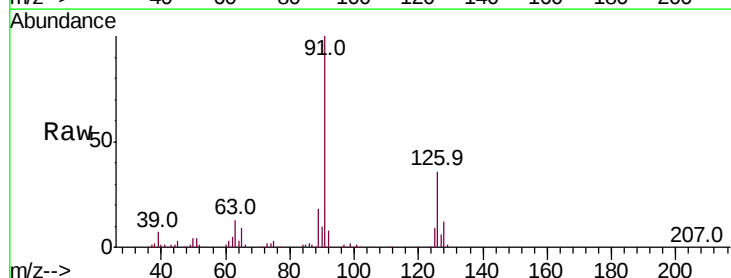
Acq: 25 May 2019 5:54

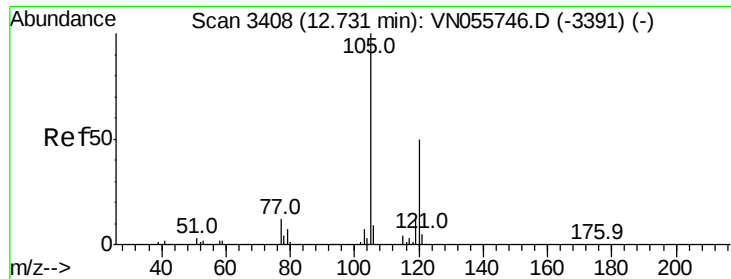
Tgt Ion: 91 Resp: 518010

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 51.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion:105 Resp: 656123

Ion Ratio Lower Upper

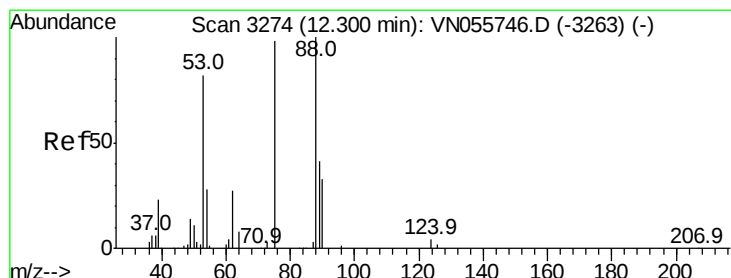
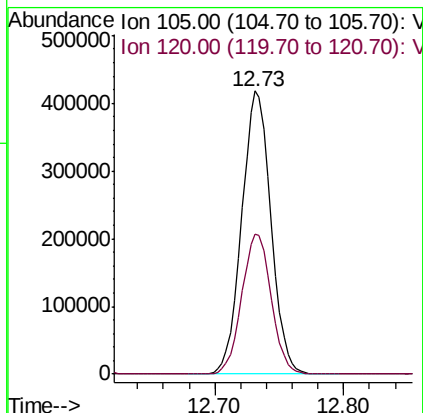
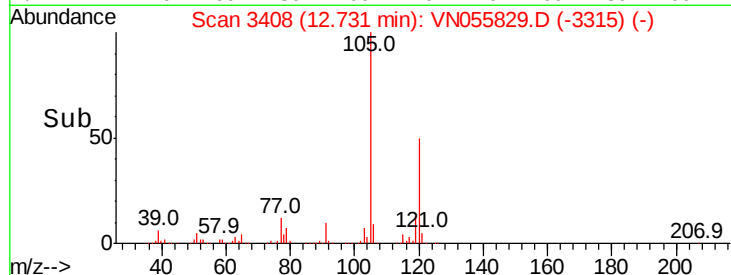
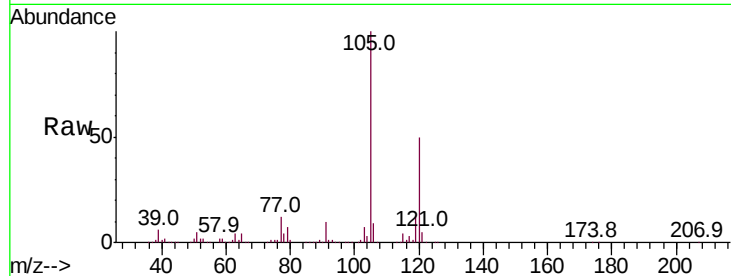
105 100

120 49.9 24.7 74.1

Manual Integrations
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#81

trans-1,4-Dichloro-2-butene

Concen: 35.873 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

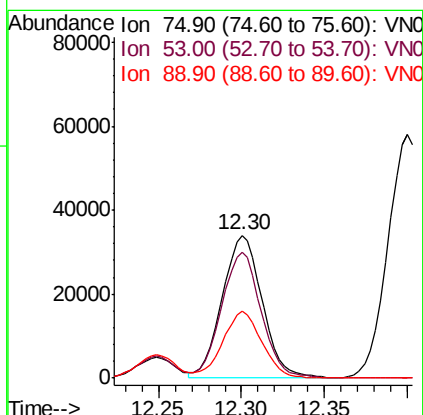
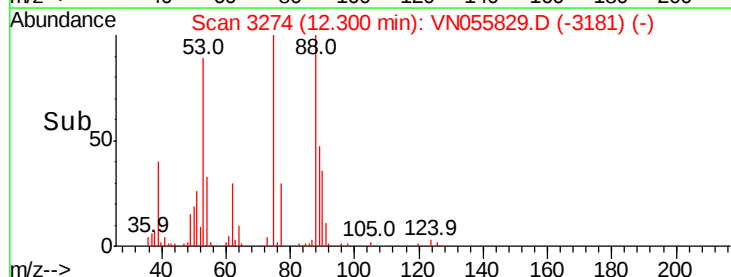
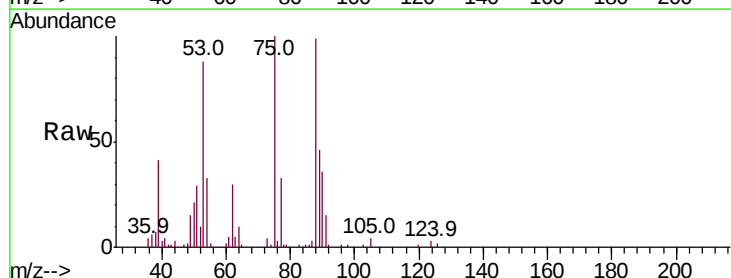
Tgt Ion: 75 Resp: 57160

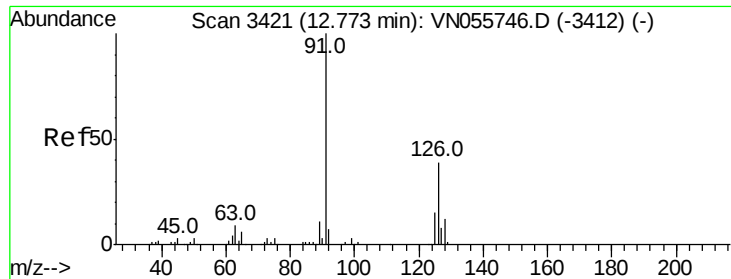
Ion Ratio Lower Upper

75 100

53 88.0 68.1 102.1

89 45.7 36.9 55.3





#82

4-Chlorotoluene

Concen: 46.347 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MS

Tot Ion: 91 Resp: 507631

Ion Ratio Lower Upper

91 100

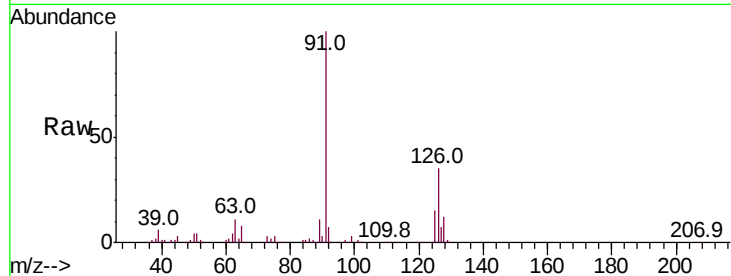
126 35.4 17.8 53.3

Manual Integrations

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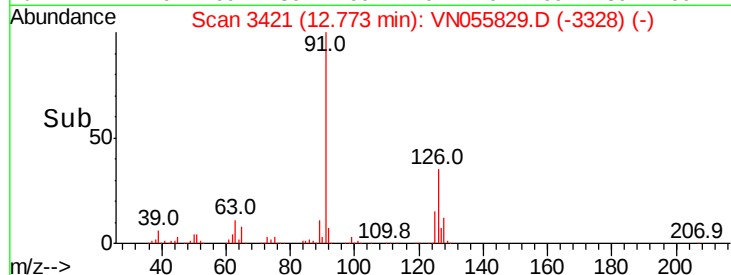
5/28/2019 10:36:49 AM



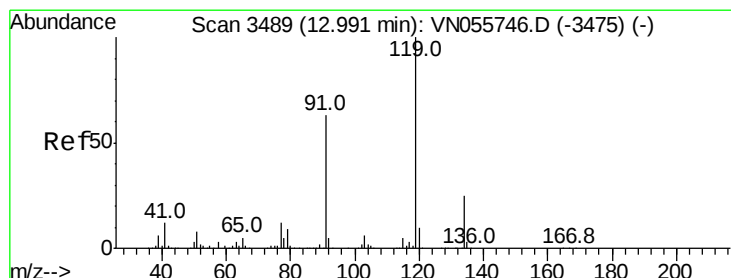
Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3412) (-)

12.77



Time-->



#83

tert-Butylbenzene

Concen: 52.746 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

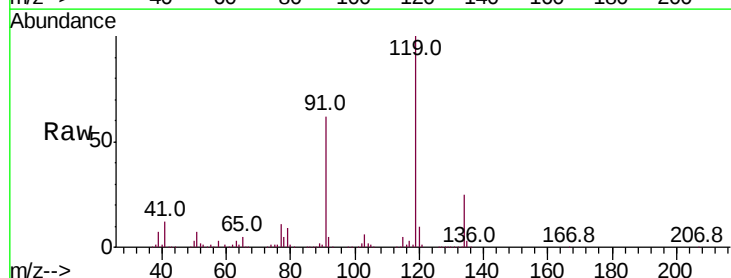
Tgt Ion: 119 Resp: 583411

Ion Ratio Lower Upper

119 100

91 60.7 30.9 92.8

134 26.9 13.3 39.8

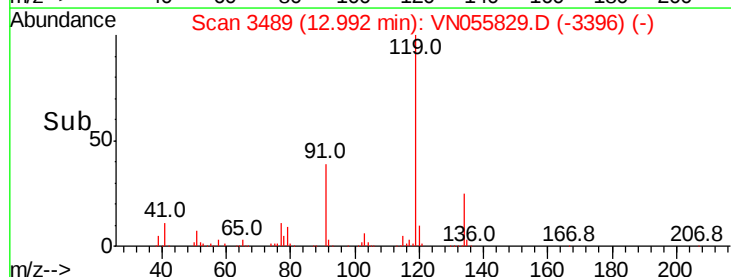


Abundance Ion 119.00 (118.70 to 119.70): VN055746.D (-3475) (-)

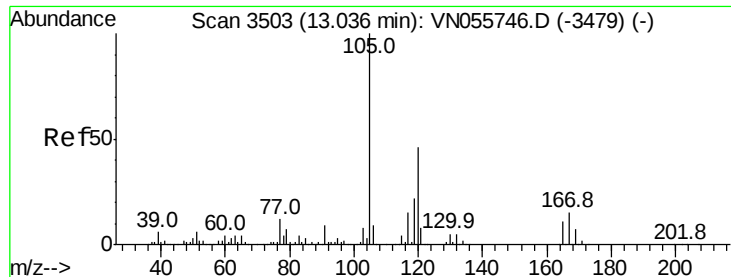
Ion 91.00 (90.70 to 91.70): VN055746.D (-3475) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3475) (-)

12.99



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 50.839 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

ClientSampled :

MW2-R1-1MS

Tot Ion:105 Resp: 651025

Ion Ratio Lower Upper

105 100

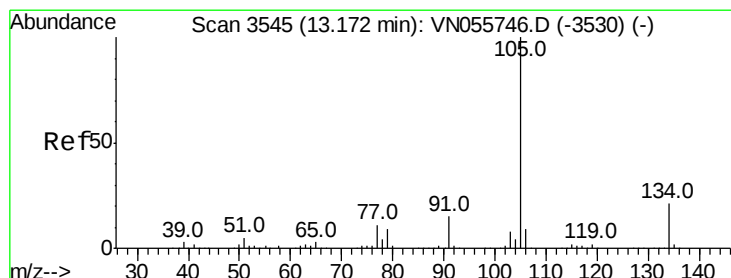
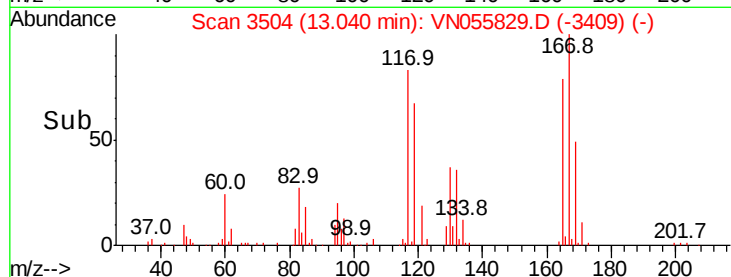
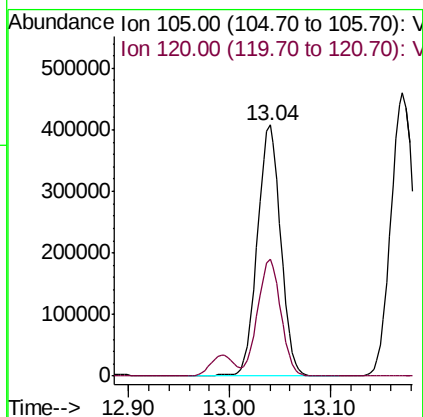
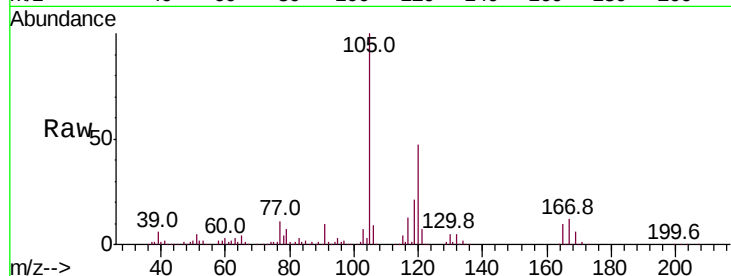
120 46.5 23.0 69.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 51.324 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055829.D

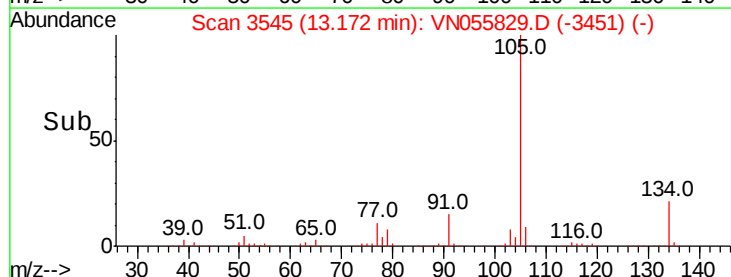
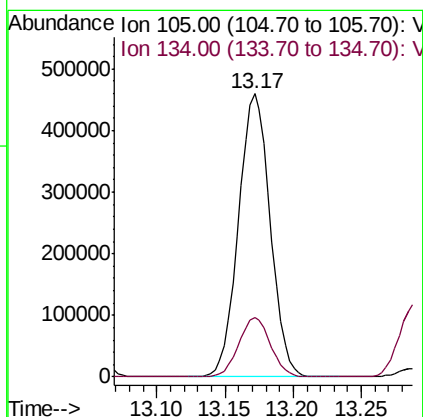
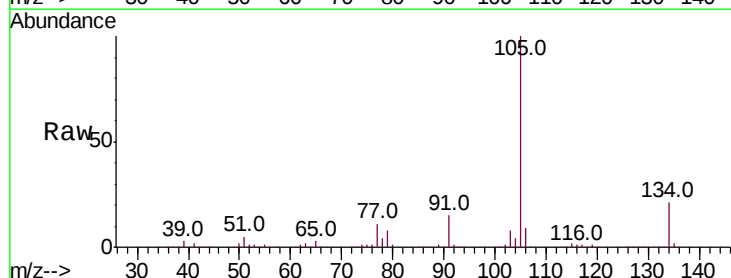
Acq: 25 May 2019 5:54

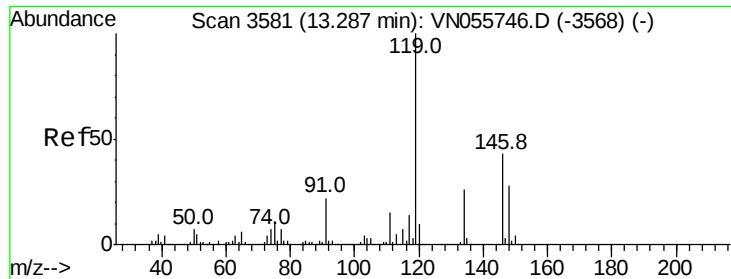
Tgt Ion:105 Resp: 739805

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2





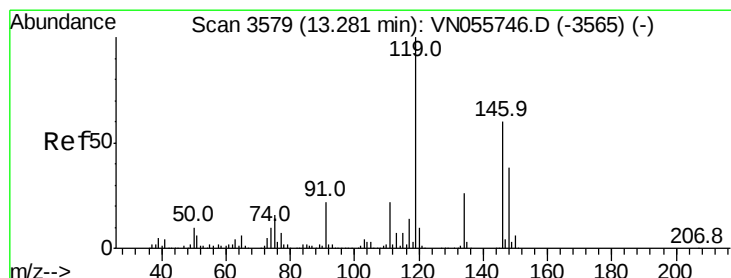
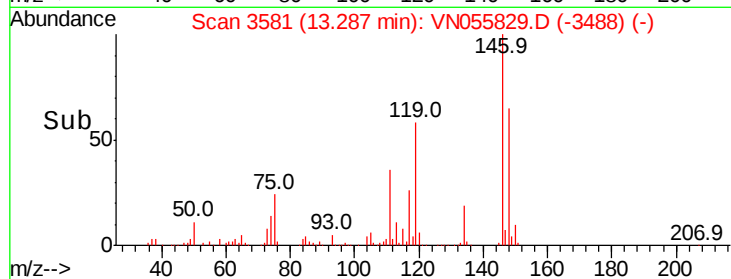
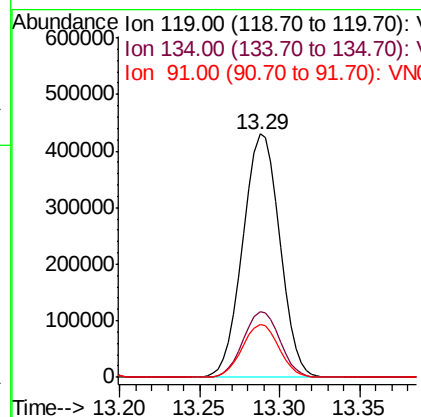
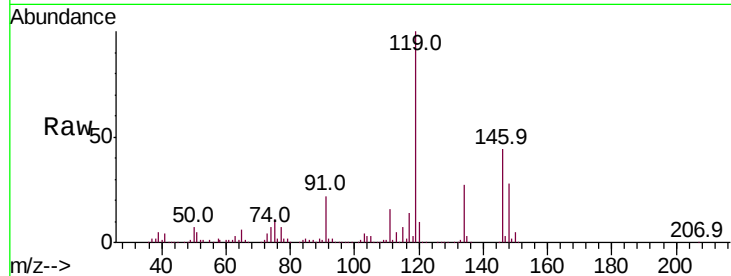
#86
 p-Isopropyltoluene
 Concen: 45.434 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	676434		
134	26.8		13.4	40.1
91	21.6		10.9	32.9

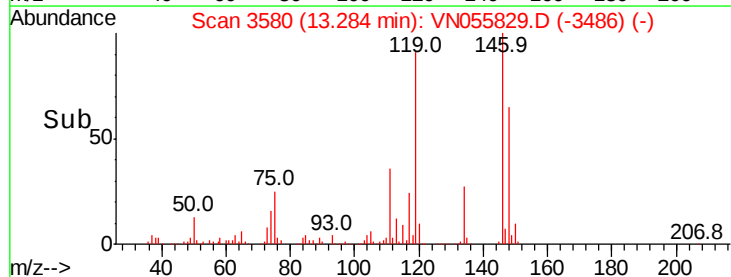
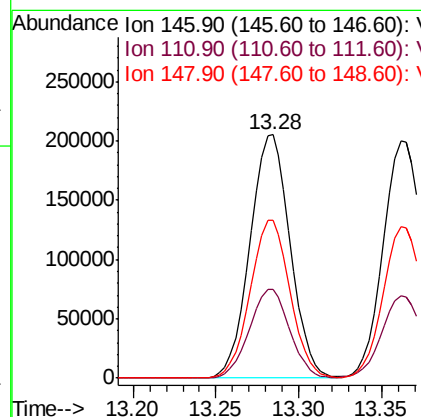
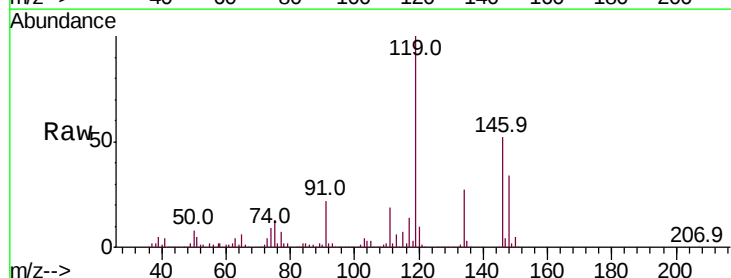
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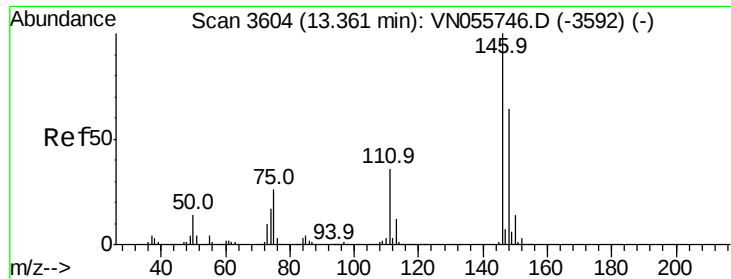
MMDadoda
 5/28/2019 10:36:49 AM



#87
 1,3-Dichlorobenzene
 Concen: 47.944 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	347303		
111	36.5		18.5	55.5
148	64.2		32.0	96.2





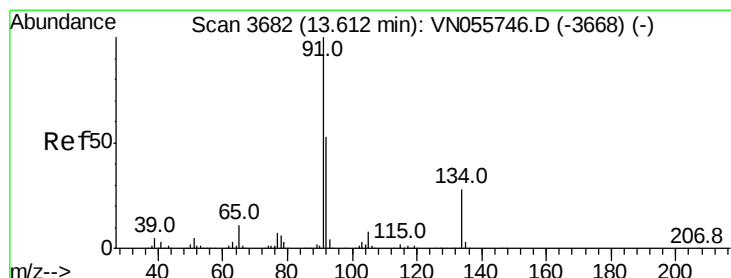
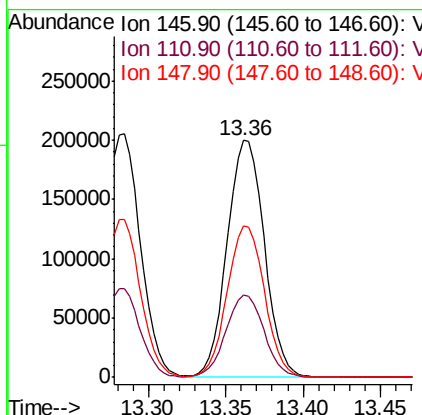
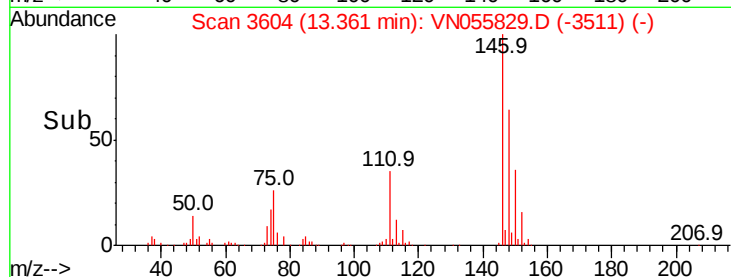
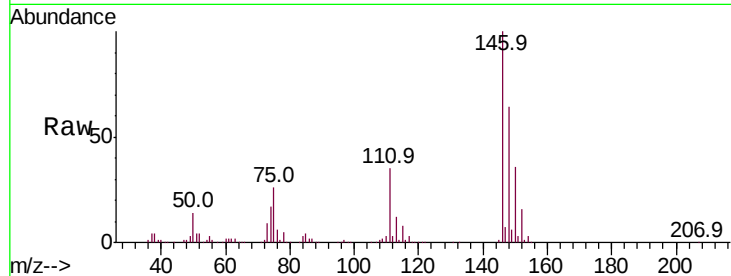
#88
 1,4-Dichlorobenzene
 Concen: 48.647 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	35.4	18.1	54.4	
148	63.9	32.1	96.5	

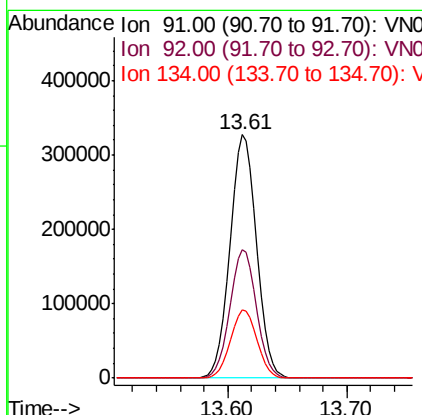
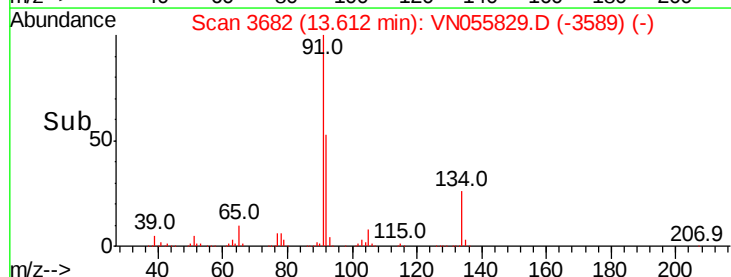
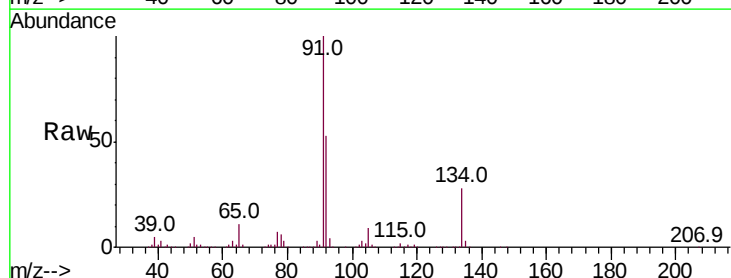
Manual Integrations
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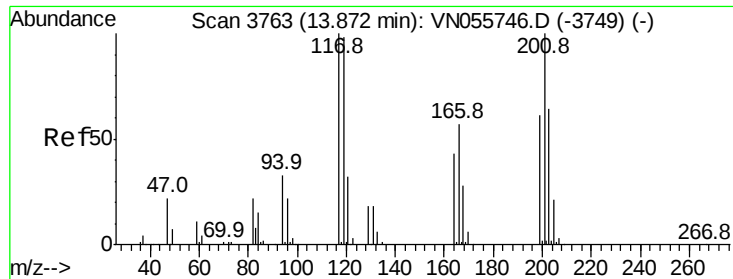
MMDadoda
 5/28/2019 10:36:49 AM



#89
 n-Butylbenzene
 Concen: 44.283 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.4	79.0	
134	28.2	13.9	41.7	





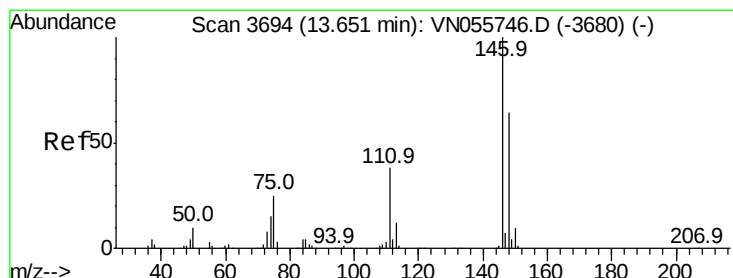
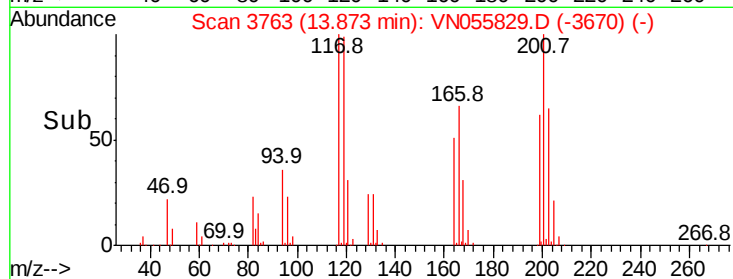
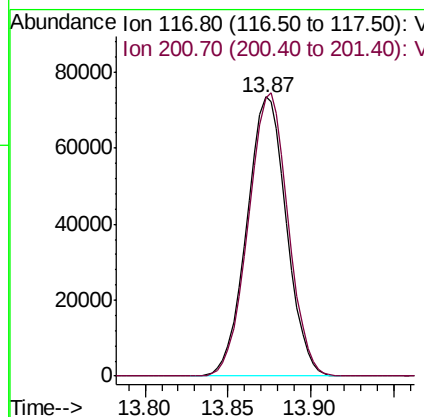
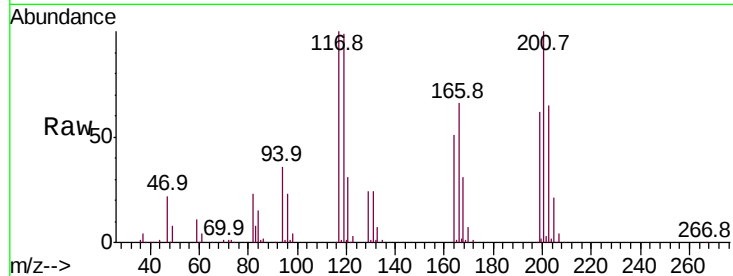
#90
Hexachloroethane
Concen: 43.173 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	101.5	50.0	150.0

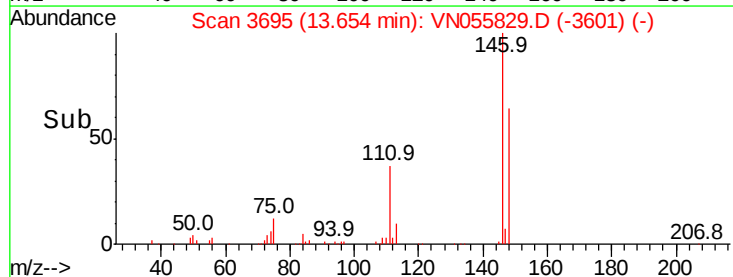
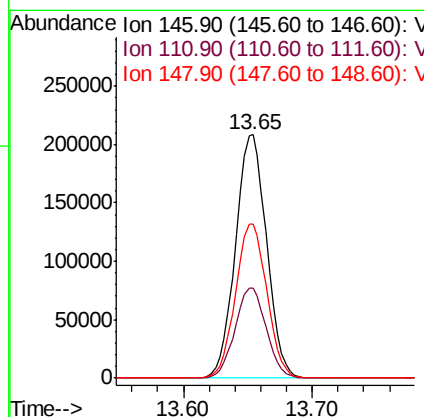
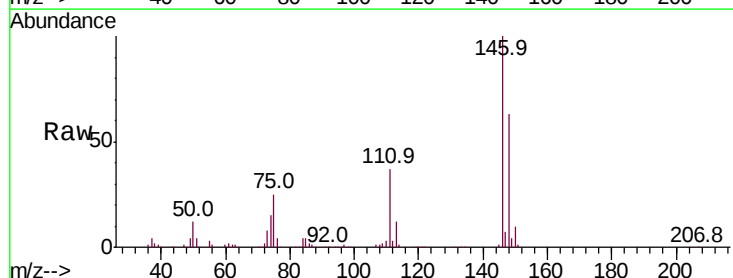
Manual Integrations
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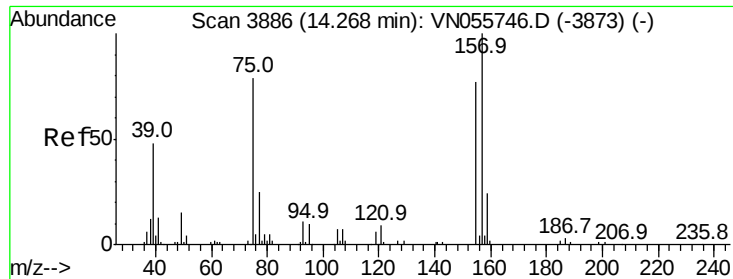
MMDadoda
5/28/2019 10:36:49 AM



#91
1,2-Dichlorobenzene
Concen: 48.335 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN055829.D
Acq: 25 May 2019 5:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	63.7	31.9	95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 42.139 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

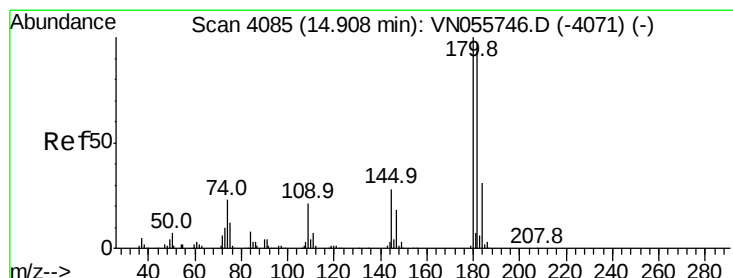
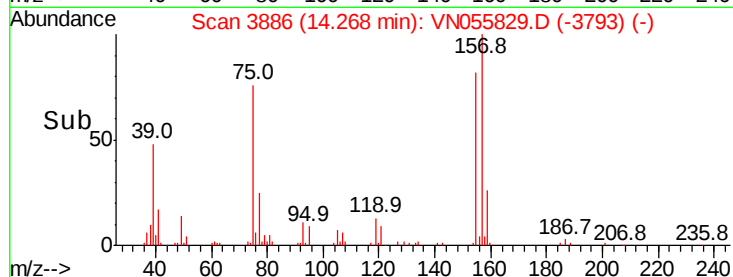
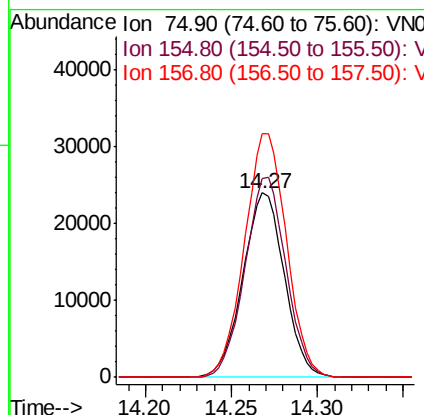
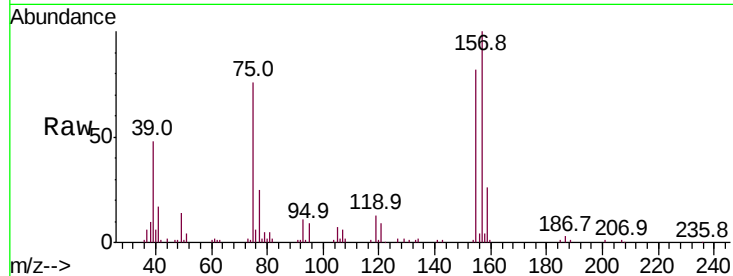
ClientSampleId :

MW2-R1-1MS

Tot Ion:	75	Resp:	40029
Ion Ratio	Lower	Upper	
75	100		
155	107.6	50.0	150.1
157	133.9	64.8	194.3

Manual Integrations
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5/28/2019 10:36:49 AM



#93

1,2,4-Trichlorobenzene

Concen: 43.489 ug/l

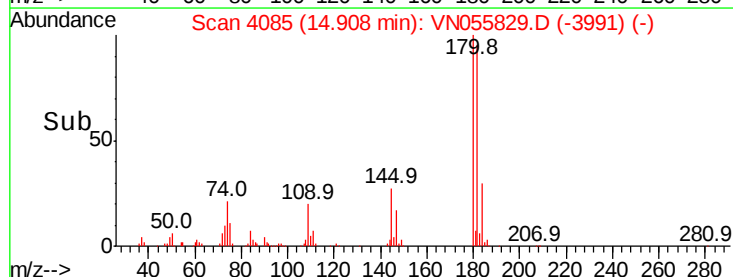
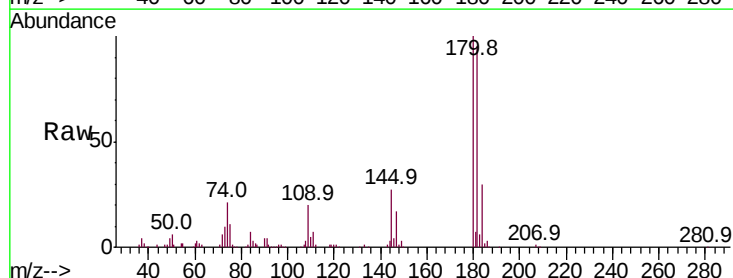
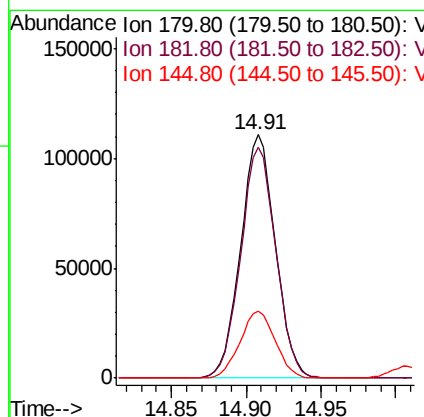
RT: 14.91 min Scan# 4085

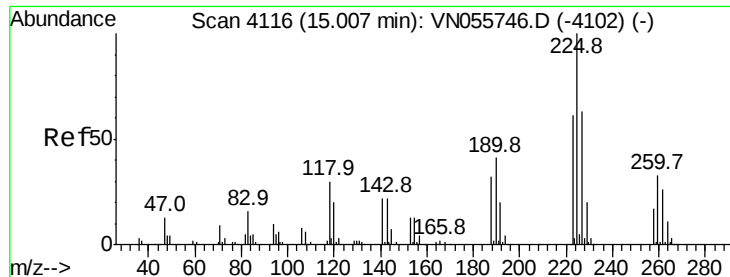
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	180	Resp:	178709
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.3	144.9
145	27.9	14.0	41.9





#94

Hexachlorobutadiene

Concen: 49.062 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Instrument :

MSVOA_N

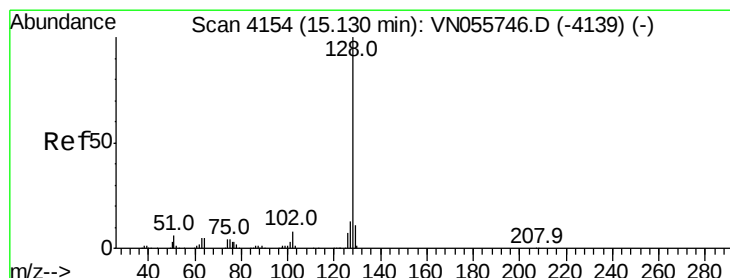
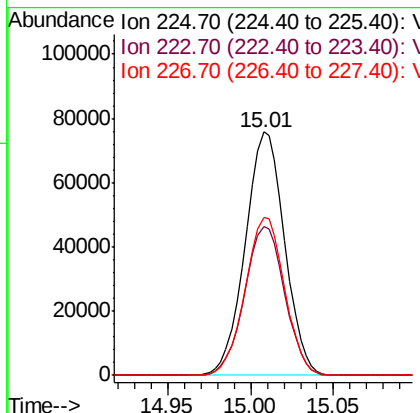
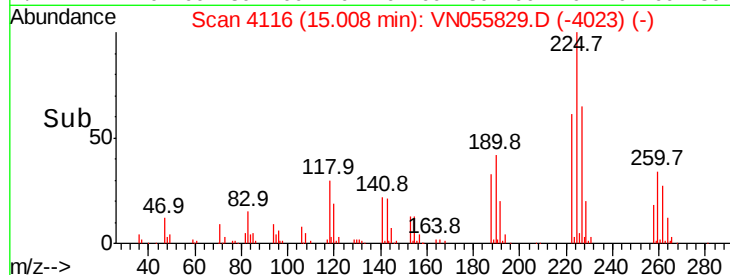
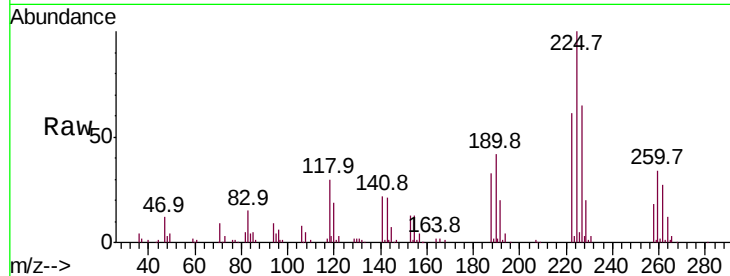
ClientSampleId :

MW2-R1-1MS

Tot Ion:	225	Resp:	124875
Ion Ratio		Lower	Upper
225	100		
223	62.4	30.9	92.7
227	65.0	31.6	94.7

Manual Integrations
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5/28/2019 10:36:49 AM



#95

Naphthalene

Concen: 47.478 ug/l

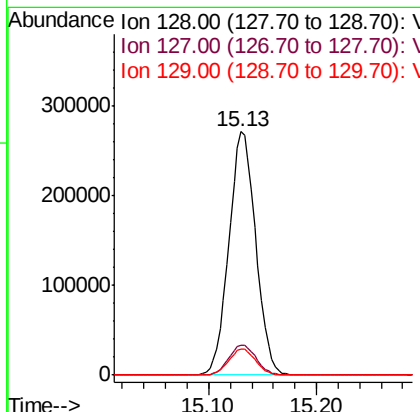
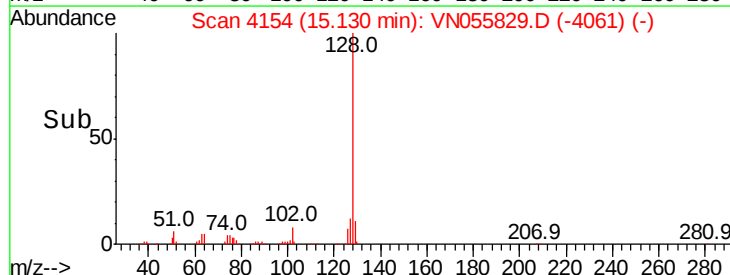
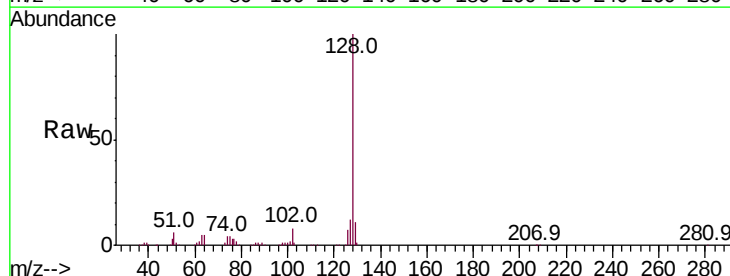
RT: 15.13 min Scan# 4154

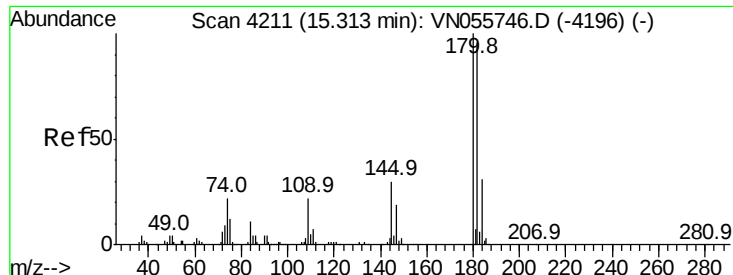
Delta R.T. 0.00 min

Lab File: VN055829.D

Acq: 25 May 2019 5:54

Tgt Ion:	128	Resp:	470850
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1





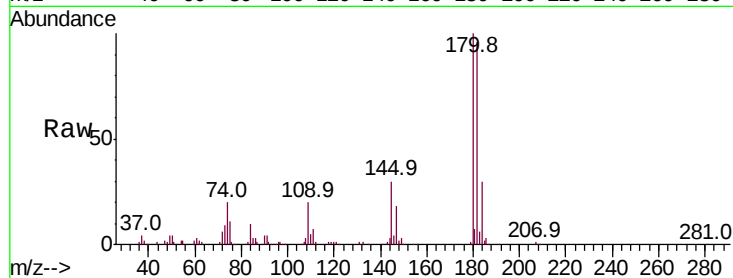
#96
 1,2,3-Trichlorobenzene
 Concen: 48.919 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055829.D
 Acq: 25 May 2019 5:54

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	47.9	143.7
145	29.4	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:49 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

