

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055978.D
 Acq On : 4 Jun 2019 9:37
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:35 PM

Quant Time: Jun 04 10:08:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:05:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	492092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169848	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	152652	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	582605	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	201179	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187819	64.330	ug/l	100
3) Chloromethane	2.06	50	193713	55.478	ug/l	99
4) Vinyl Chloride	2.18	62	194913	55.713	ug/l	99
5) Bromomethane	2.54	94	120805	45.438	ug/l	98
6) Chloroethane	2.69	64	111059	51.375	ug/l	99
7) Trichlorofluoromethane	3.01	101	240221	51.257	ug/l	98
8) Diethyl Ether	3.40	74	97002	49.313	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	145059	51.021	ug/l	100
10) Methyl Iodide	3.94	142	233666	54.389	ug/l	99
11) Tert butyl alcohol	4.81	59	146755	249.938	ug/l	100
12) 1,1-Dichloroethene	3.72	96	146589	53.048	ug/l	98
13) Acrolein	3.60	56	41938	250.771	ug/l	98
14) Allyl chloride	4.31	41	230947	53.379	ug/l	99
15) Acrylonitrile	4.99	53	377185	280.252	ug/l	99
16) Acetone	3.82	43	412575	249.750	ug/l	99
17) Carbon Disulfide	4.04	76	359185	58.977	ug/l	99
18) Methyl Acetate	4.32	43	157699	40.082	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	459915	50.920	ug/l	99
20) Methylene Chloride	4.54	84	164394	49.101	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	156013	52.050	ug/l	97
22) Diisopropyl ether	5.95	45	465214	50.468	ug/l	98
23) Vinyl Acetate	5.89	43	1946348	287.122	ug/l	100
24) 1,1-Dichloroethane	5.84	63	272051	50.927	ug/l	99
25) 2-Butanone	6.84	43	534470	273.497	ug/l	99
26) 2,2-Dichloropropane	6.82	77	212419	51.404	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	182524	51.344	ug/l	97
28) Bromochloromethane	7.19	49	133022	53.295	ug/l	98
29) Tetrahydrofuran	7.21	42	324774	265.764	ug/l	99
30) Chloroform	7.37	83	274345	51.125	ug/l	99
31) Cyclohexane	7.65	56	259128	45.642	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	231209	53.126	ug/l	99
36) 1,1-Dichloropropene	7.79	75	208246	48.748	ug/l	100
37) Ethyl Acetate	6.93	43	197322	55.398	ug/l	100
38) Carbon Tetrachloride	7.77	117	197263	52.073	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263806	50.501	ug/l	100
40) Benzene	8.04	78	649883	50.850	ug/l	99
41) Methacrylonitrile	7.17	41	83507	50.453	ug/l	86
42) 1,2-Dichloroethane	8.12	62	203582	48.124	ug/l	99
43) Isopropyl Acetate	8.17	43	316675	55.081	ug/l #	91
44) Trichloroethene	8.83	130	184432	49.794	ug/l	100
45) 1,2-Dichloropropane	9.12	63	164920	50.456	ug/l	99
46) Dibromomethane	9.21	93	108676	51.380	ug/l	99
47) Bromodichloromethane	9.40	83	202476	55.372	ug/l	98
48) Methyl methacrylate	9.20	41	150008	52.401	ug/l	97
49) 1,4-Dioxane	9.20	88	66059	1066.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	976226	264.360	ug/l	100
52) Toluene	10.15	92	407628	52.316	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	215937	61.350	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	248232	58.767	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	161161	52.112	ug/l	99
56) Ethyl methacrylate	10.43	69	241905	56.882	ug/l	98
57) 1,3-Dichloropropane	10.71	76	262499	52.425	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	420034	296.417	ug/l	100
59) 2-Hexanone	10.75	43	703355	263.516	ug/l	99
60) Dibromochloromethane	10.90	129	165595	63.097	ug/l	99
61) 1,2-Dibromoethane	11.00	107	166108	54.341	ug/l	98
64) Tetrachloroethene	10.63	164	184715	45.849	ug/l	98
65) Chlorobenzene	11.43	112	433591	49.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156330	54.929	ug/l	100
67) Ethyl Benzene	11.51	91	764170	50.611	ug/l	99
68) m/p-Xylenes	11.62	106	588920	103.366	ug/l	99
69) o-Xylene	11.95	106	288446	50.835	ug/l	99
70) Styrene	11.96	104	478541	57.081	ug/l	99
71) Bromoform	12.13	173	119907	66.458	ug/l #	99
73) Isopropylbenzene	12.25	105	752432	40.936	ug/l	99
74) N-amyl acetate	12.07	43	261507	45.919	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	220069	42.149	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176077m	40.766	ug/l	
77) Bromobenzene	12.53	156	203383	43.018	ug/l	95
78) n-propylbenzene	12.59	91	818400	44.615	ug/l	100
79) 2-Chlorotoluene	12.67	91	494157	40.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624758	41.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57584	59.054	ug/l	93
82) 4-Chlorotoluene	12.77	91	479233	45.281	ug/l	99
83) tert-Butylbenzene	12.99	119	553166	40.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	620834	45.164	ug/l	99
85) sec-Butylbenzene	13.17	105	716195	43.282	ug/l	99
86) p-Isopropyltoluene	13.29	119	655718	45.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	330781	48.319	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	316971	48.597	ug/l	99
89) n-Butylbenzene	13.61	91	505868	51.456	ug/l	100
90) Hexachloroethane	13.87	117	101203	49.153	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	327933	46.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35483	57.202	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	164609	66.180	ug/l	100
94) Hexachlorobutadiene	15.01	225	119657	40.384	ug/l	99
95) Naphthalene	15.13	128	439695	68.916	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	176252	62.680	ug/l	99

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

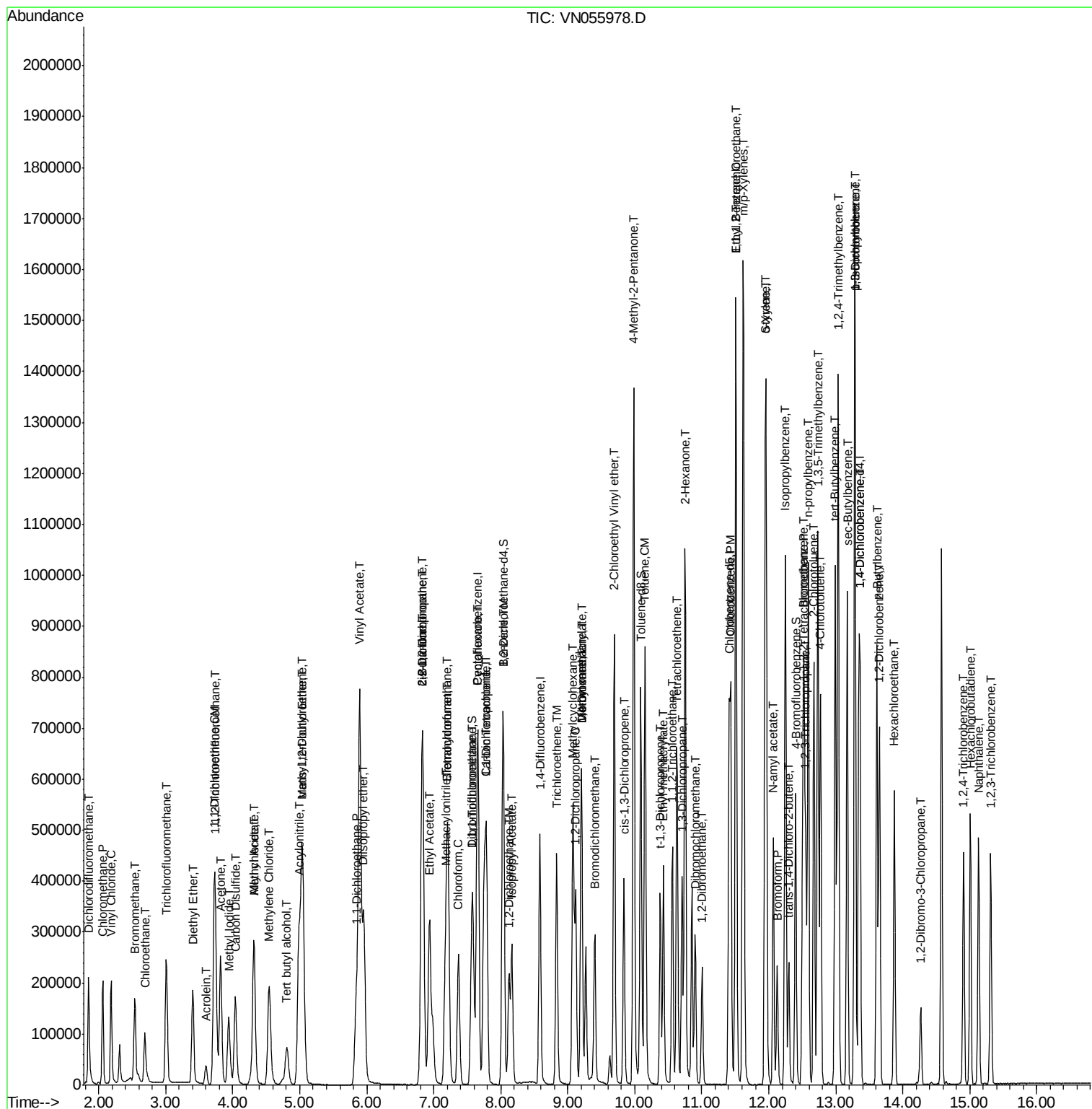
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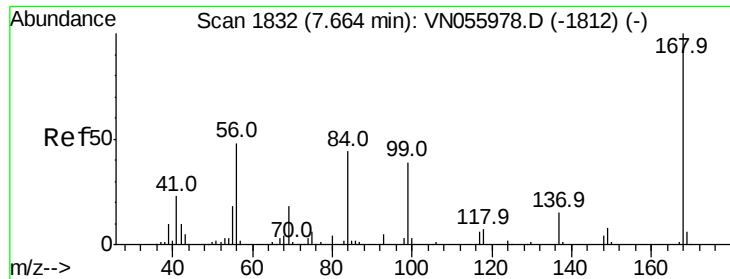
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 339553

Ion Ratio Lower Upper

168 100

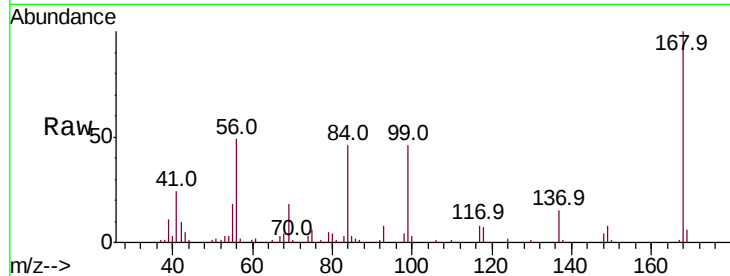
99 45.7 37.2 55.8

Manual Integrations

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6/5/2019 4:03:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

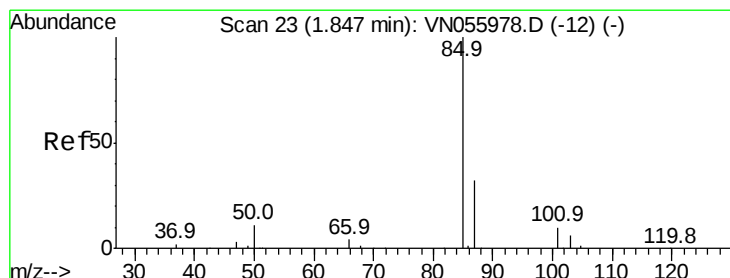
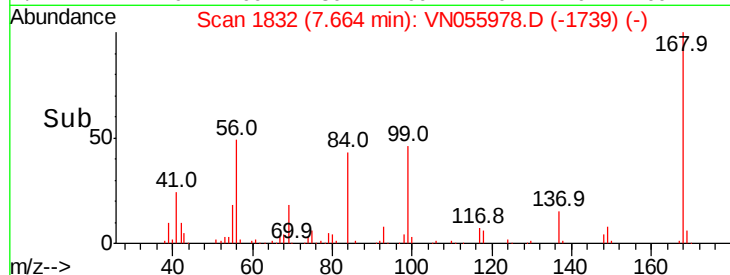
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 64.330 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055978.D

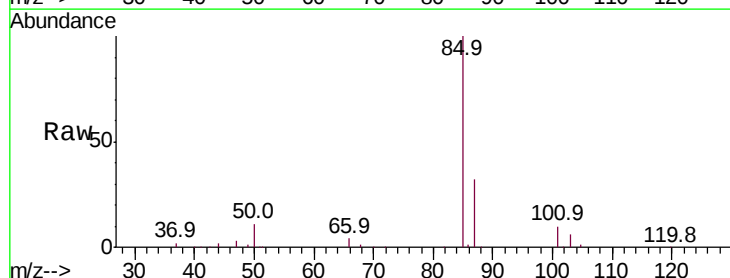
Acq: 4 Jun 2019 9:37

Tgt Ion: 85 Resp: 187819

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

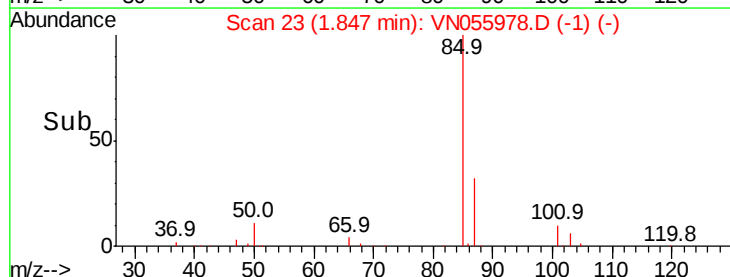
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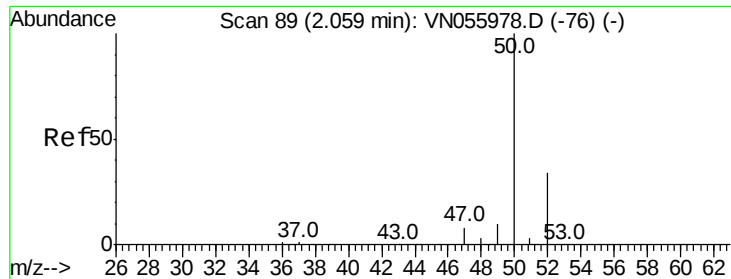
100000

50000

0

Time-->





#3

Chloromethane

Concen: 55.478 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 193713

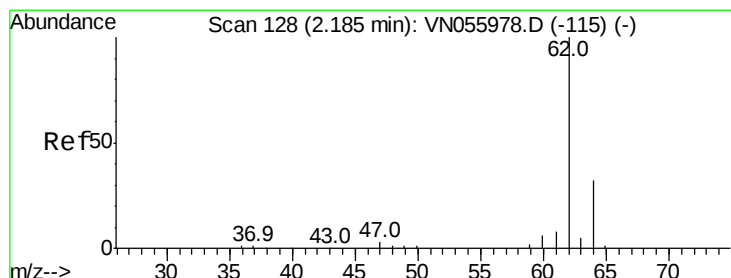
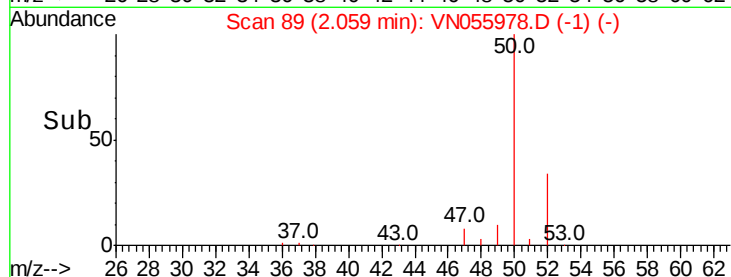
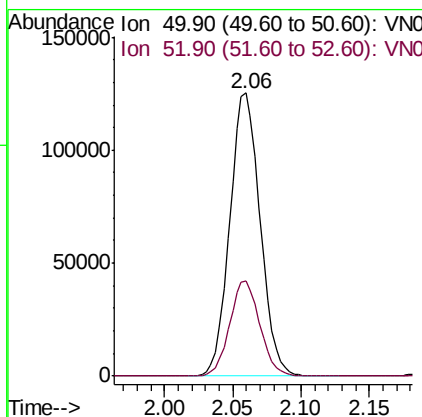
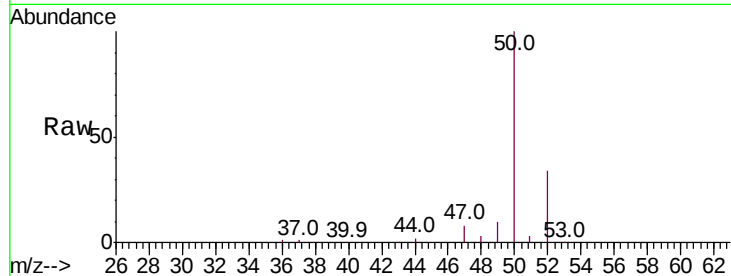
Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 55.713 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055978.D

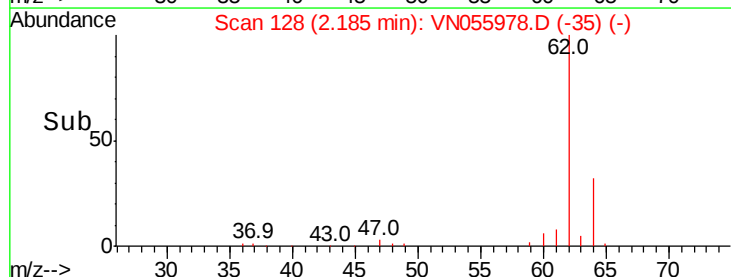
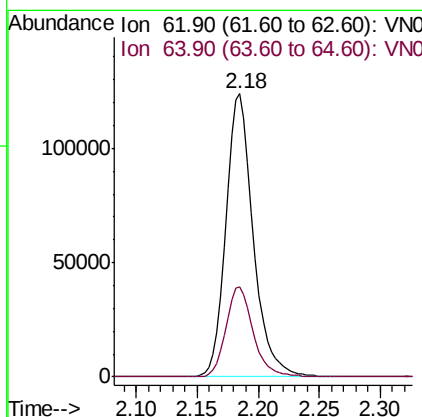
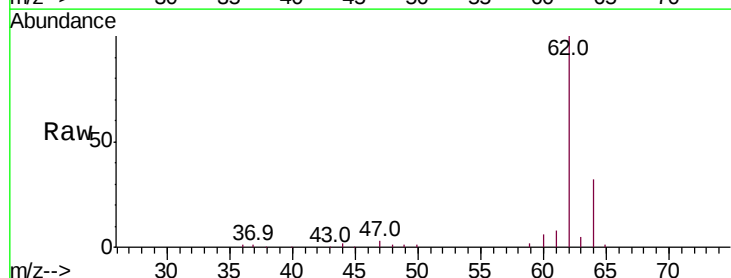
Acq: 4 Jun 2019 9:37

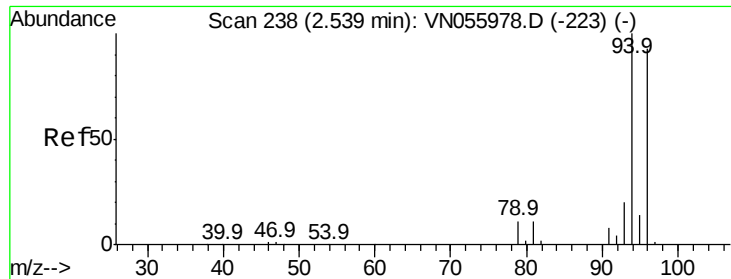
Tgt Ion: 62 Resp: 194913

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 45.438 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

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Tot Ion: 94 Resp: 120805

Ion Ratio Lower Upper

94 100

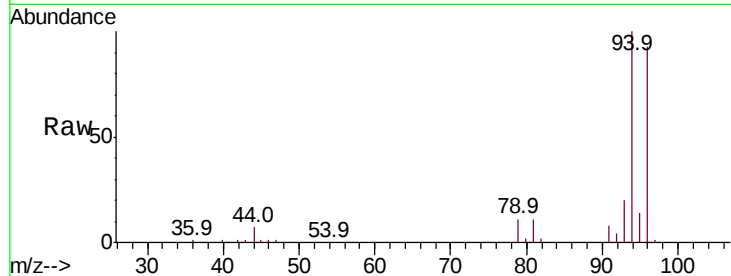
96 92.9 75.5 113.3

Manual Integrations

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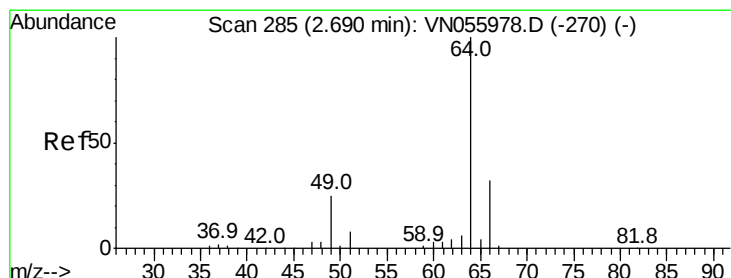
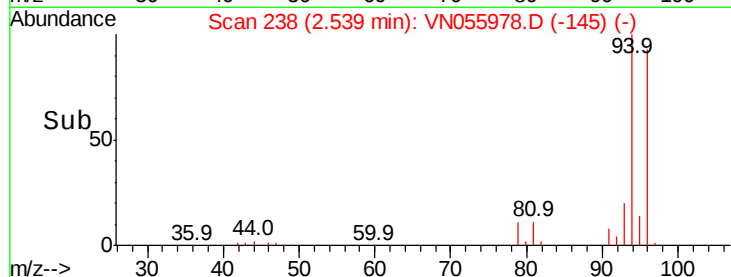
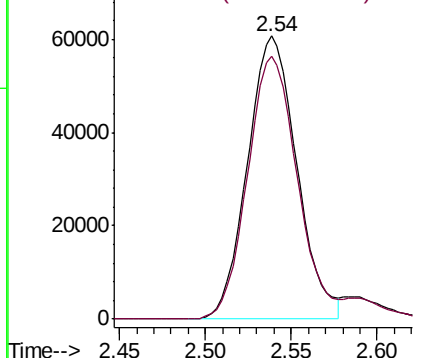
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.375 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN055978.D

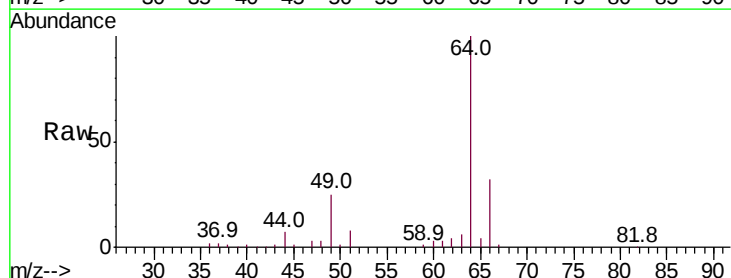
Acq: 4 Jun 2019 9:37

Tgt Ion: 64 Resp: 111059

Ion Ratio Lower Upper

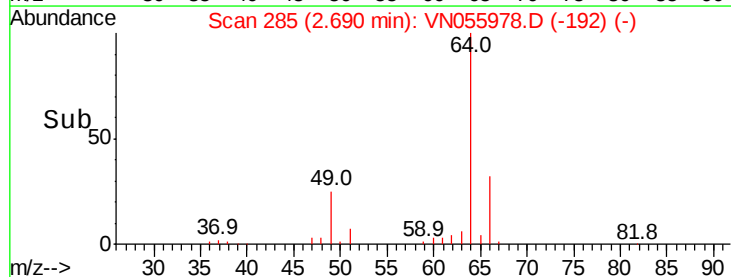
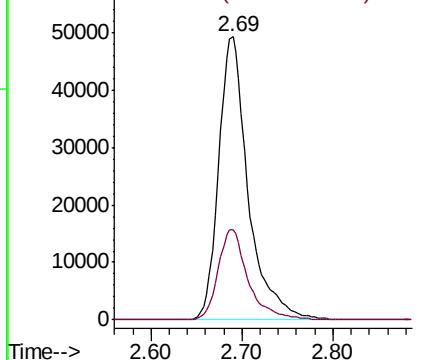
64 100

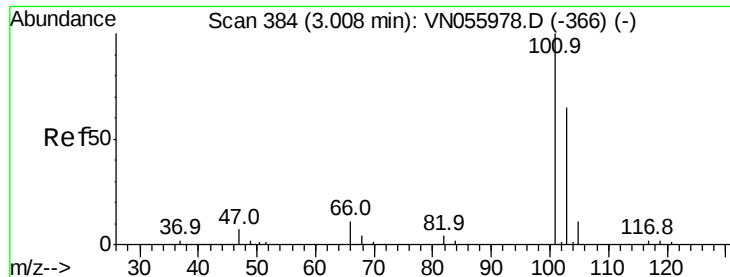
66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

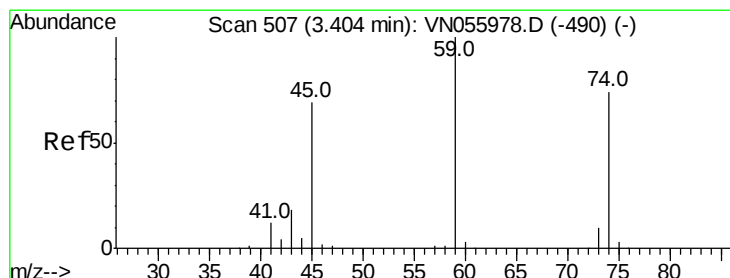
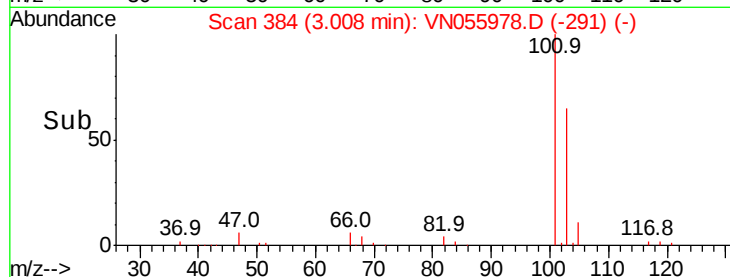
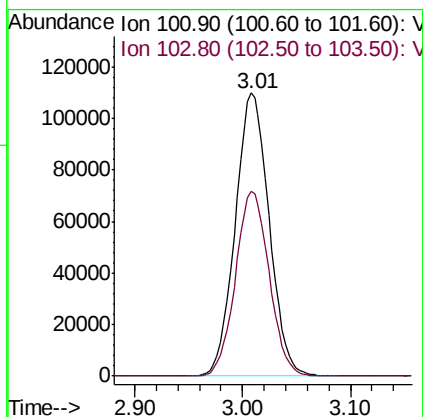
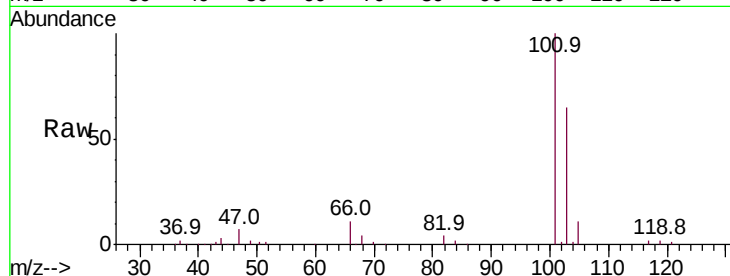
Trichlorofluoromethane
 Concen: 51.257 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.2	76.8

Manual Integrations
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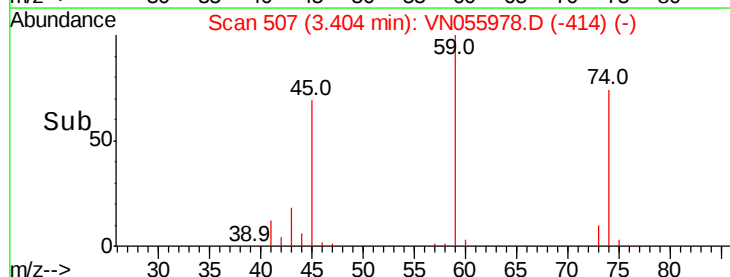
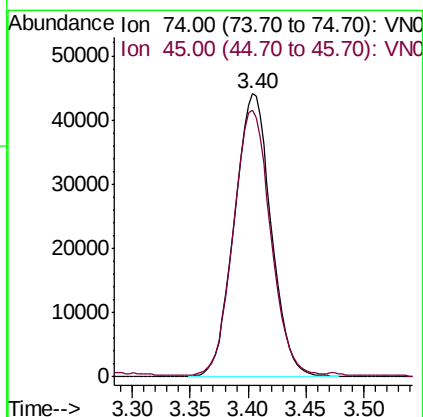
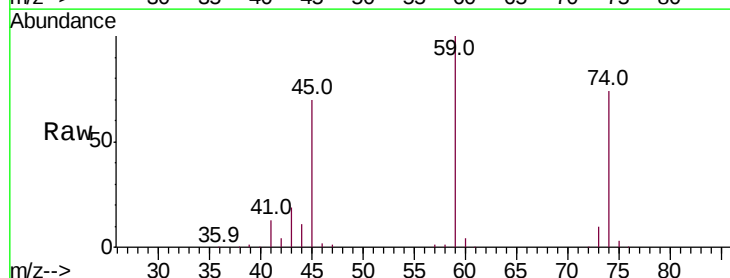
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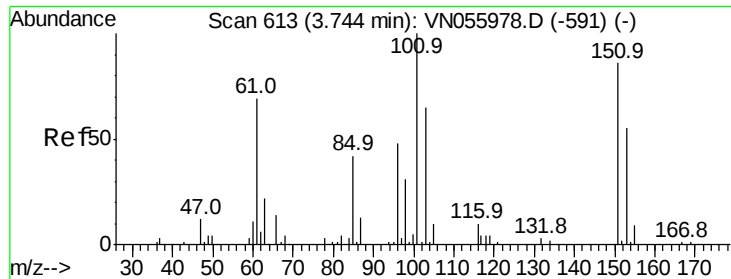


#8

Diethyl Ether
 Concen: 49.313 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.021 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

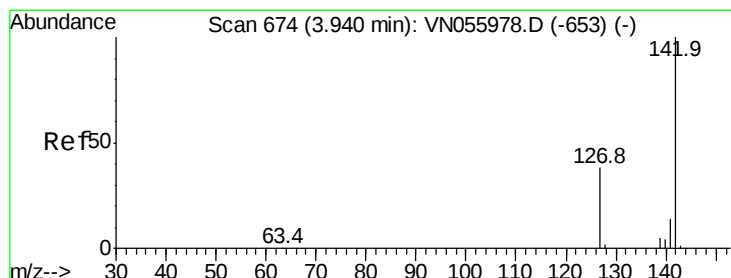
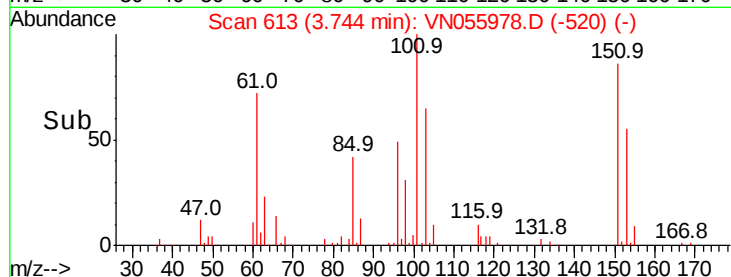
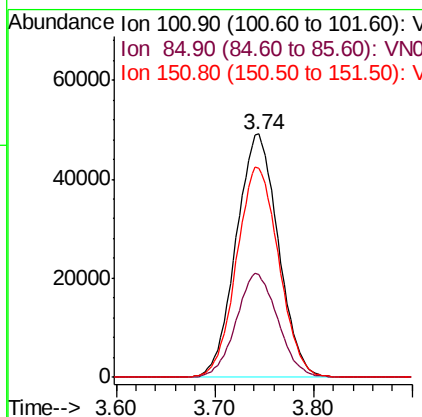
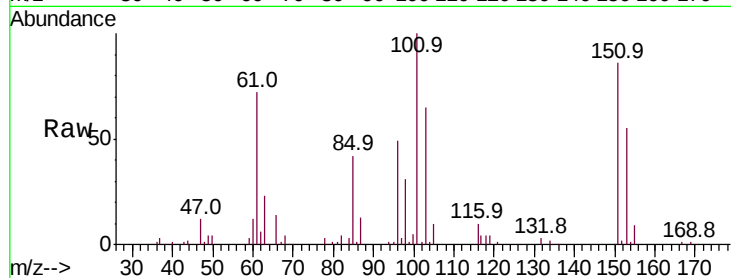
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	145059
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	86.7	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.389 ug/l

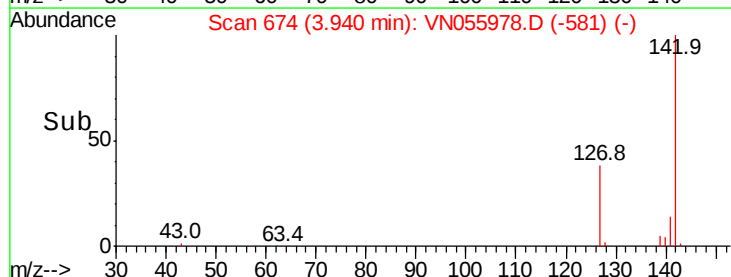
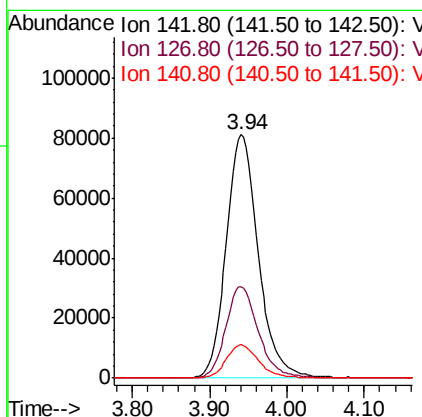
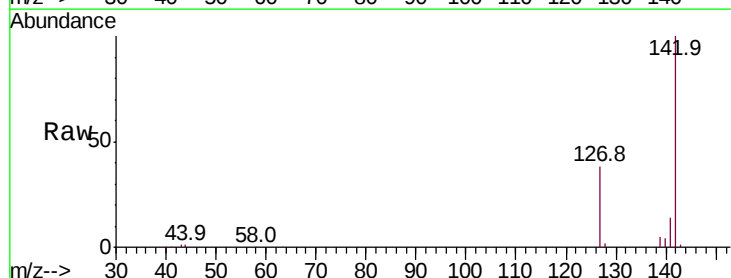
RT: 3.94 min Scan# 674

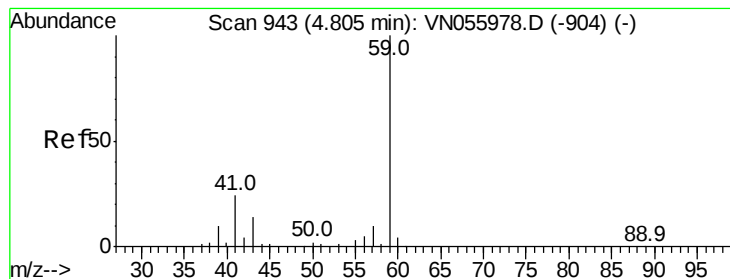
Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion:	142	Resp:	233666
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.9	11.4	17.0





#11

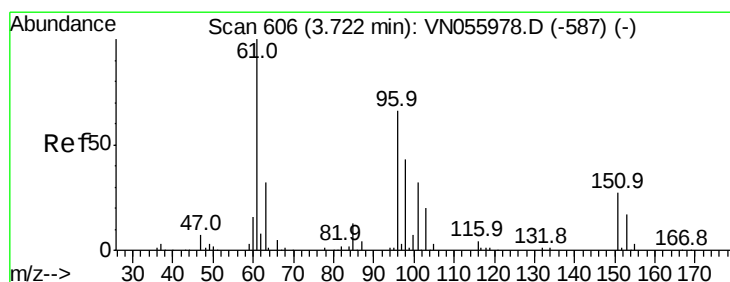
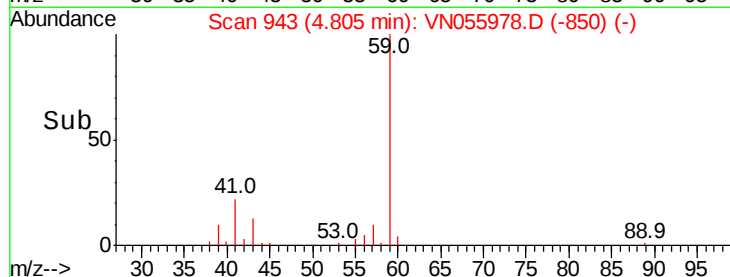
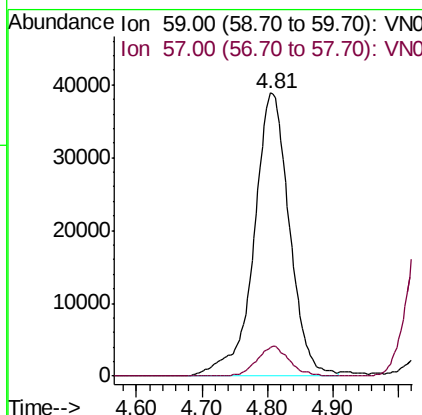
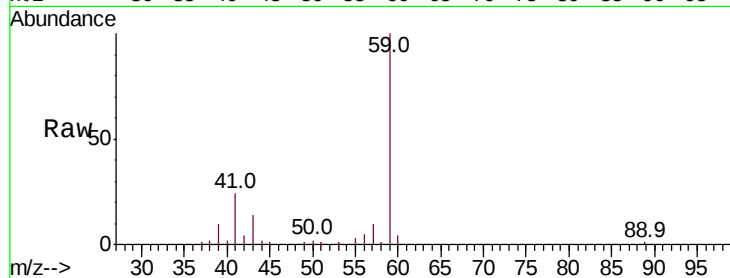
Tert butyl alcohol
Concen: 249.938 ug/l
RT: 4.81 min Scan# 943
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	146755
Ion Ratio	100	Lower	Upper
57	9.6	7.8	11.6

Manual Integrations
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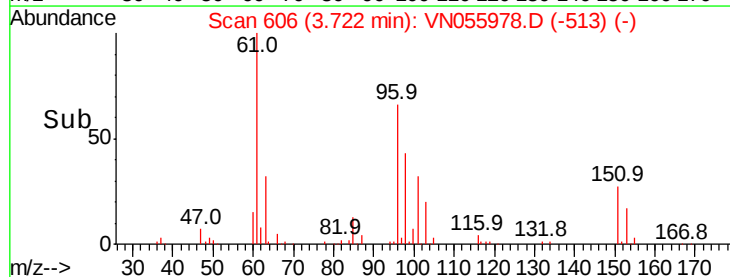
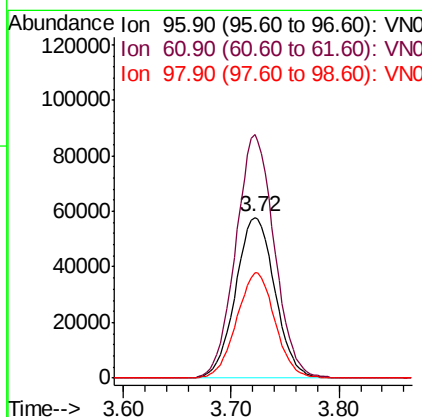
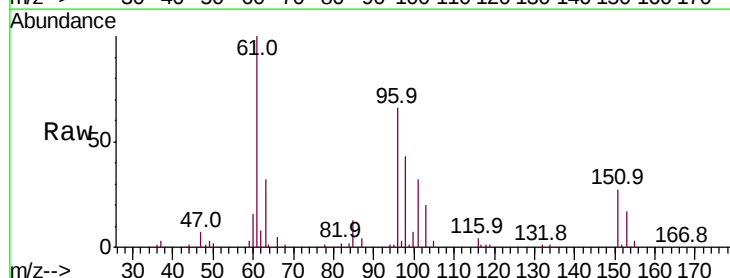
MMDadoda
6/5/2019 4:03:35 PM

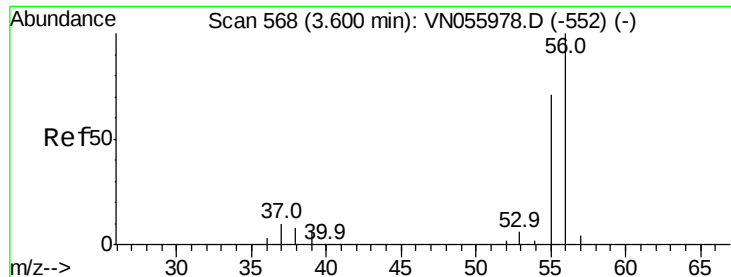


#12

1,1-Dichloroethene
Concen: 53.048 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	96	Resp	146589
Ion Ratio	100	Lower	Upper
61	151.7	123.2	184.8
98	65.8	50.4	75.6





#13

Acrolein

Concen: 250.771 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 41938

Ion Ratio Lower Upper

56 100

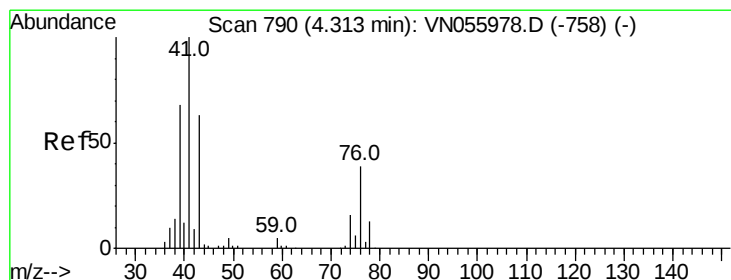
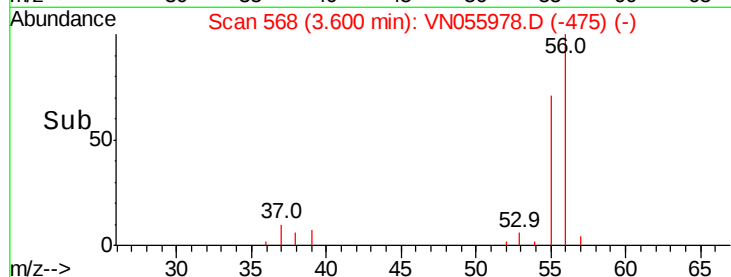
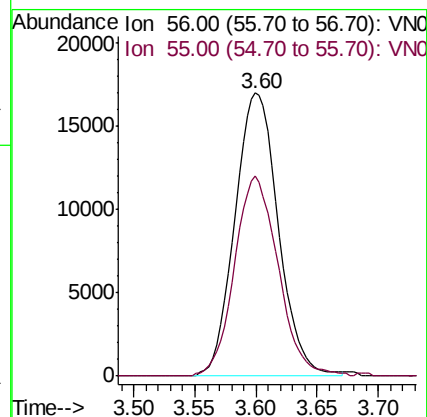
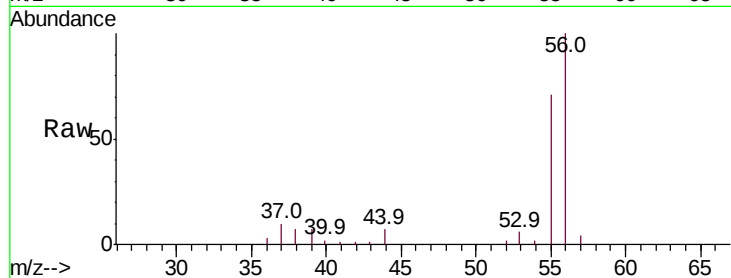
55 71.1 55.4 83.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 53.379 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

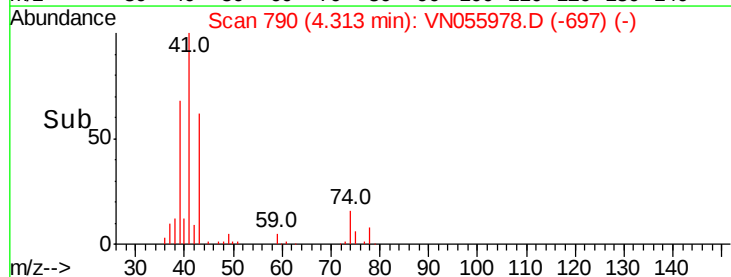
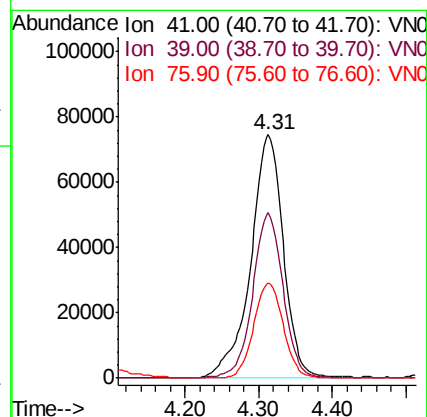
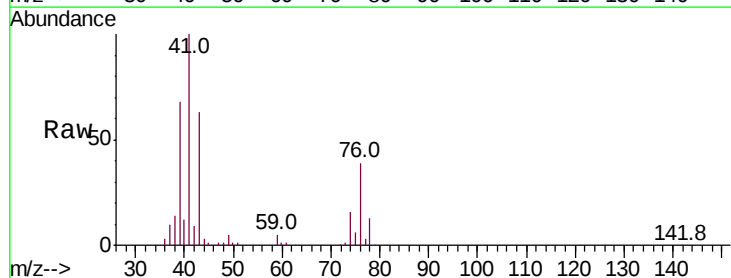
Tgt Ion: 41 Resp: 230947

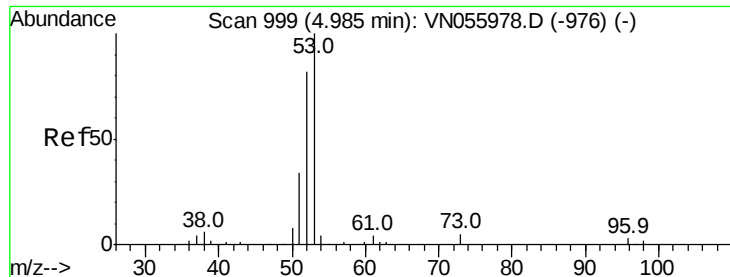
Ion Ratio Lower Upper

41 100

39 63.2 50.0 75.0

76 35.3 28.2 42.2





#15

Acrylonitrile

Concen: 280.252 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

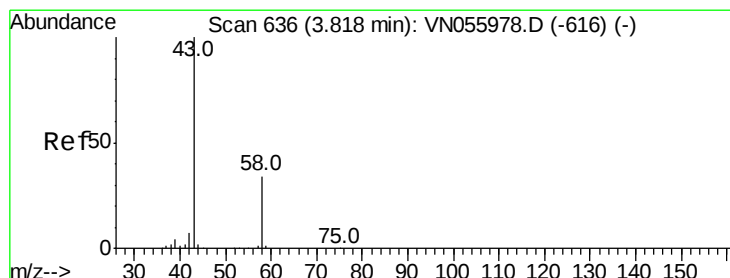
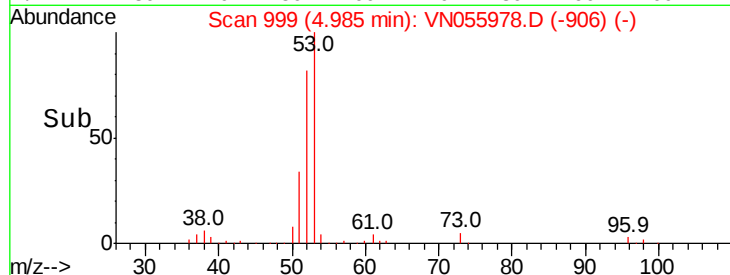
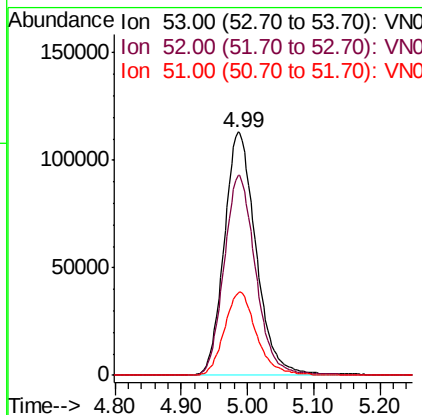
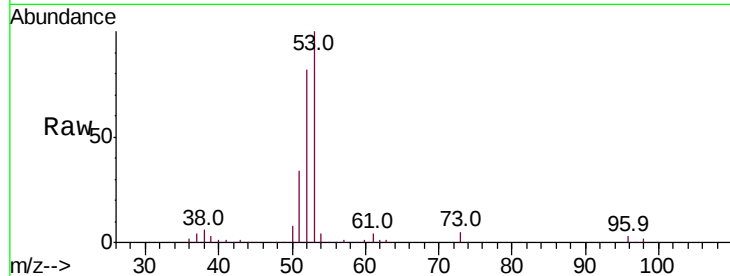
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	377185
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.8
51	34.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 249.750 ug/l

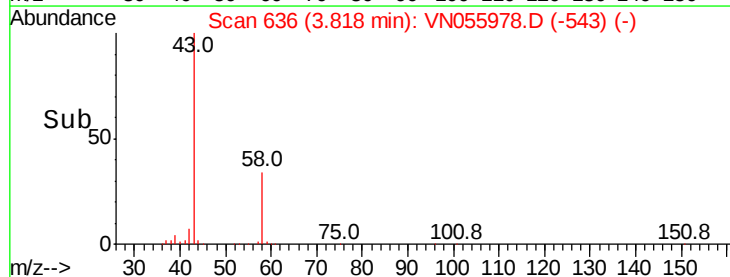
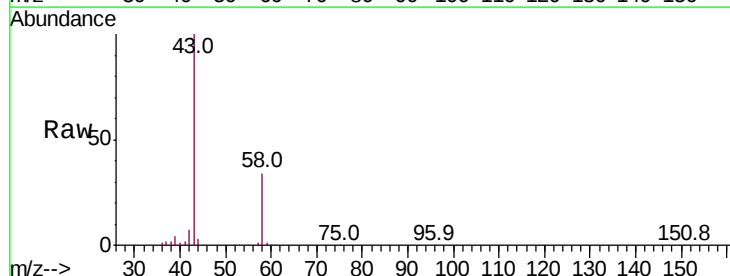
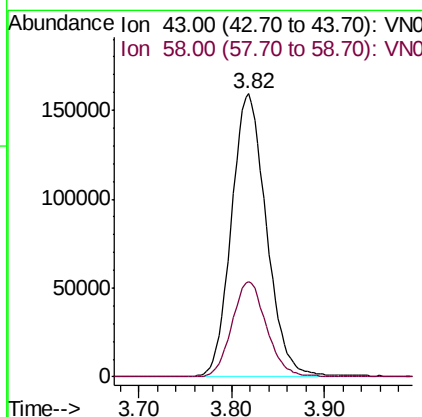
RT: 3.82 min Scan# 636

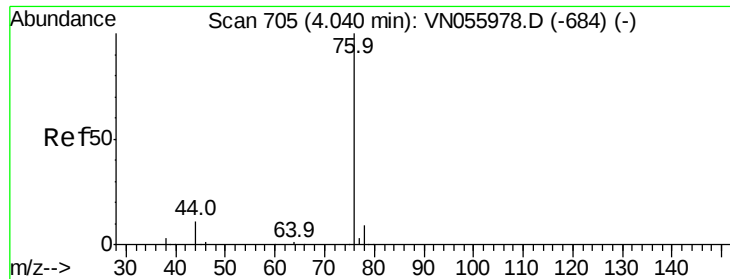
Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion:	43	Resp:	412575
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





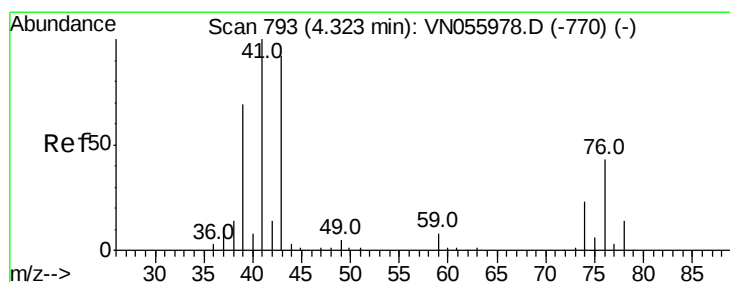
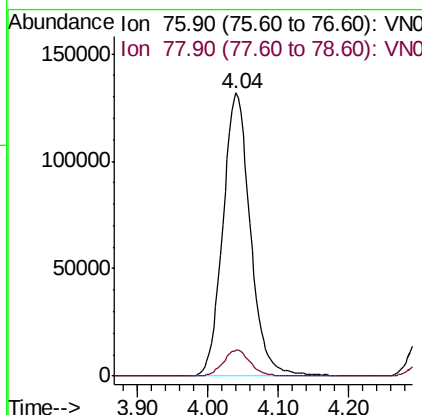
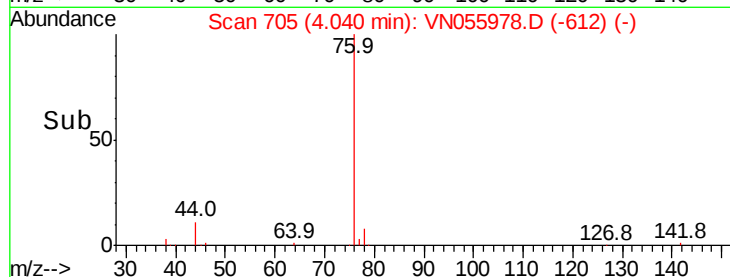
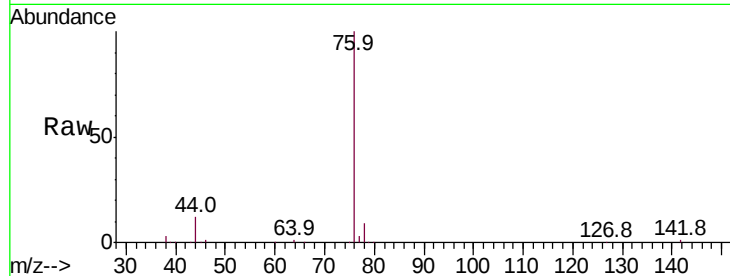
#17
Carbon Disulfide
Concen: 58.977 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

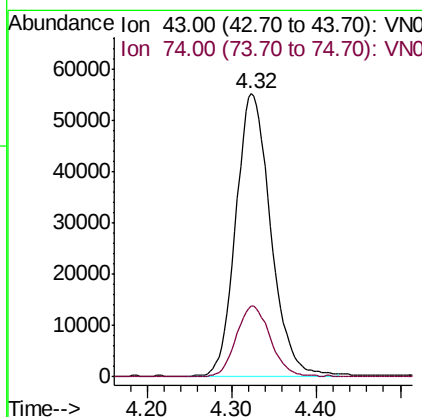
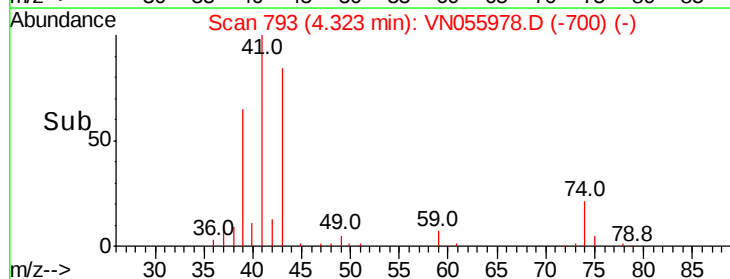
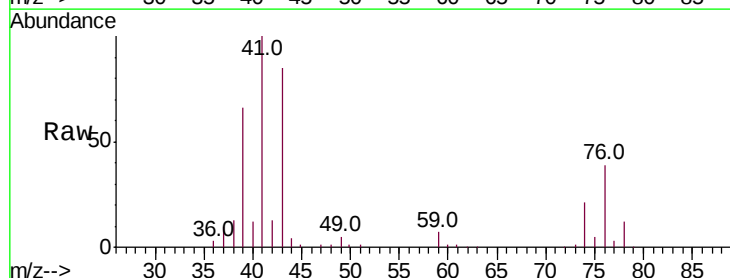
Manual Integrations
APPROVED

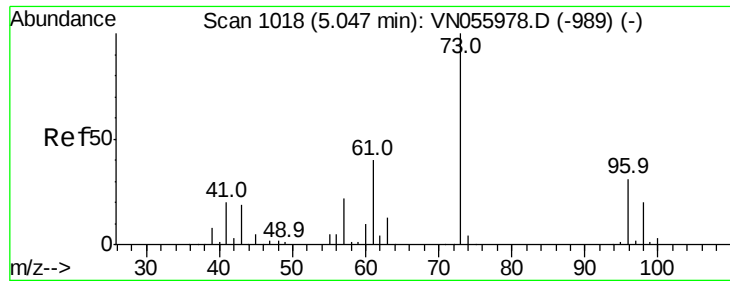
MMDadoda
6/5/2019 4:03:35 PM



#18
Methyl Acetate
Concen: 40.082 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.3	28.9





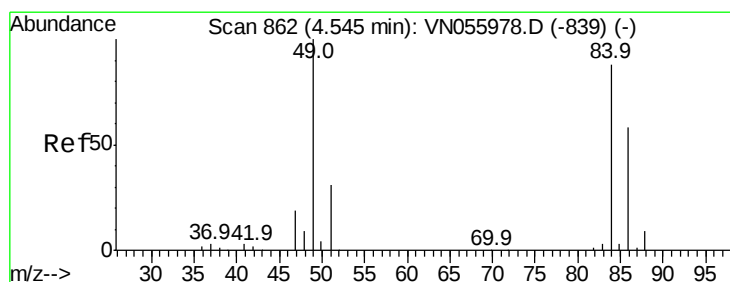
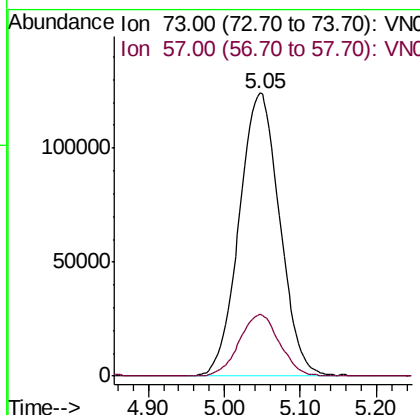
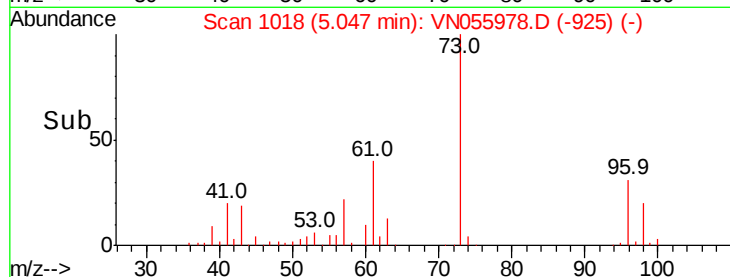
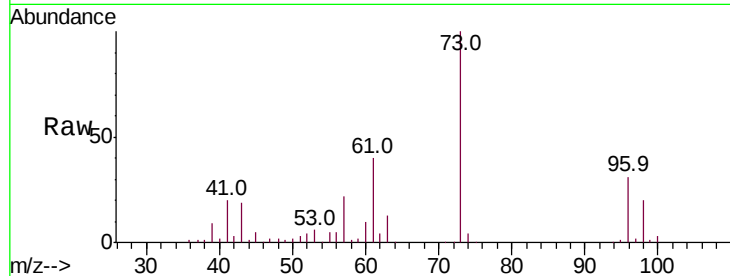
#19
Methvl tert-butvl Ether
Concen: 50.920 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 459915
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

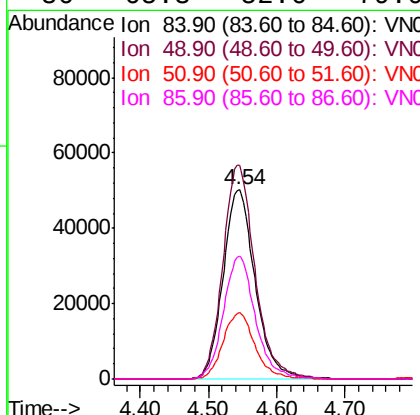
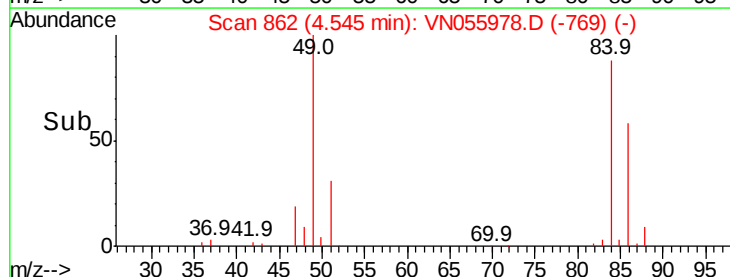
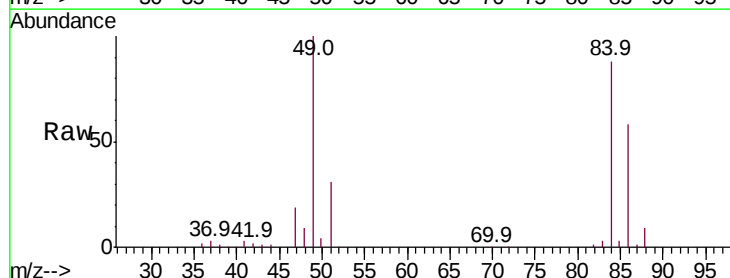
Manual Integrations
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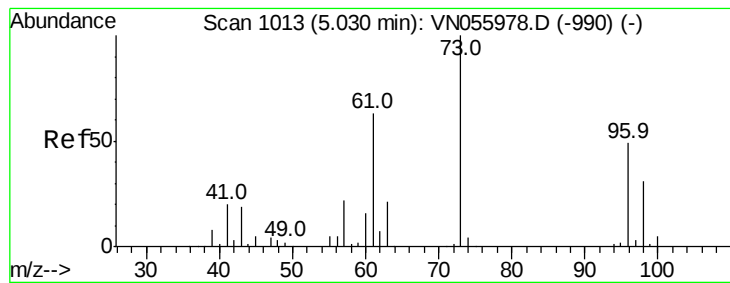
MMDadoda
6/5/2019 4:03:35 PM



#20
Methylene Chloride
Concen: 49.101 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 84 Resp: 164394
Ion Ratio Lower Upper
84 100
49 113.1 93.5 140.3
51 35.3 28.6 43.0
86 65.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.050 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 156013

Ion Ratio Lower Upper

96 100

61 130.3 107.8 161.8

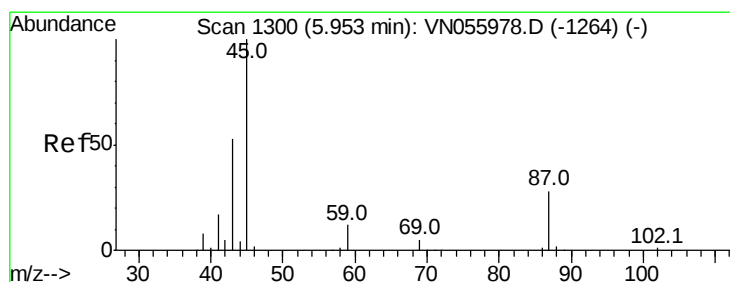
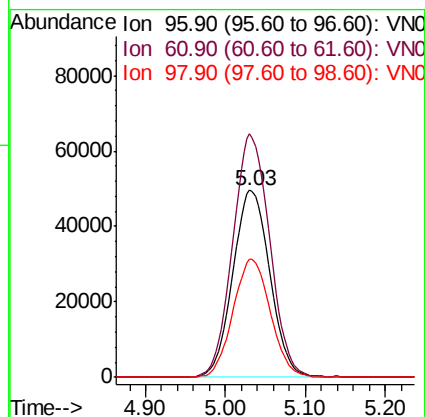
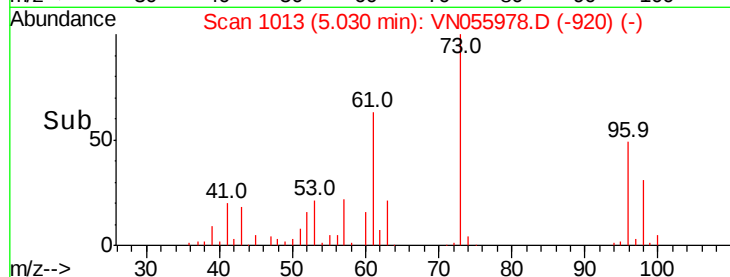
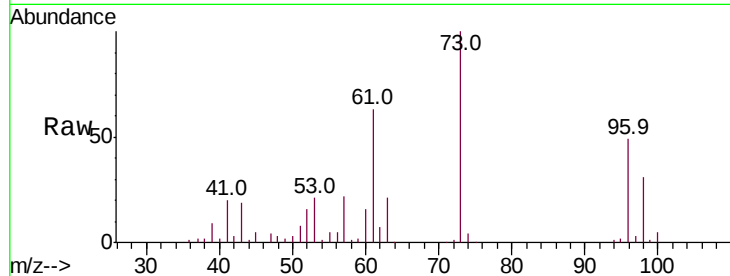
98 63.2 49.8 74.8

Manual Integrations

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6/5/2019 4:03:35 PM



#22

Diisopropyl ether

Concen: 50.468 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion: 45 Resp: 465214

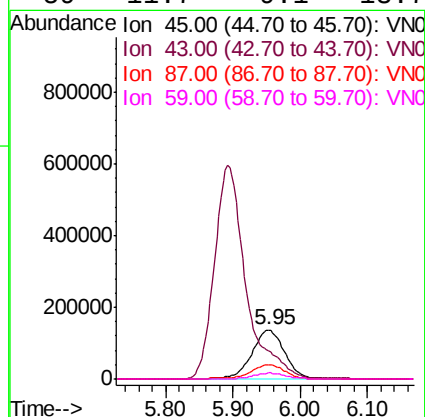
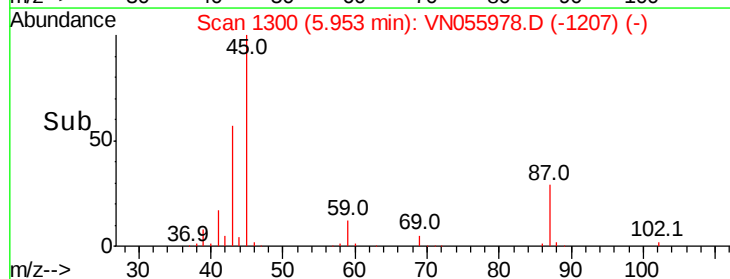
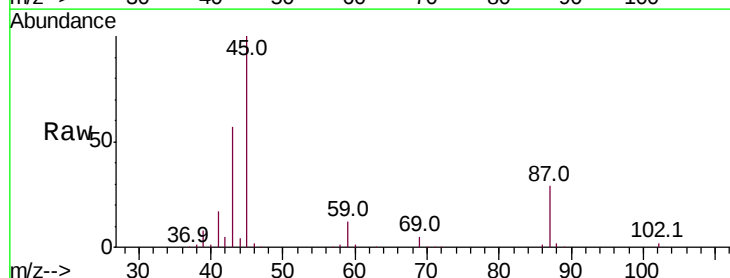
Ion Ratio Lower Upper

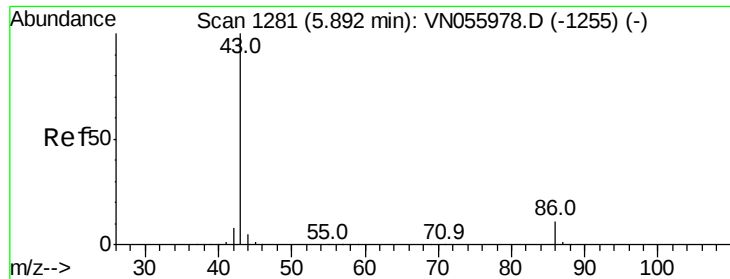
45 100

43 55.4 45.0 67.6

87 29.1 22.2 33.4

59 11.7 9.1 13.7





#23

Vinyl Acetate

Concen: 287.122 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1946348

Ion Ratio Lower Upper

43 100

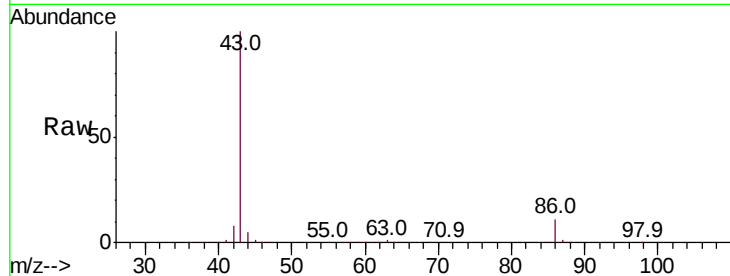
86 11.0 8.6 13.0

Manual Integrations

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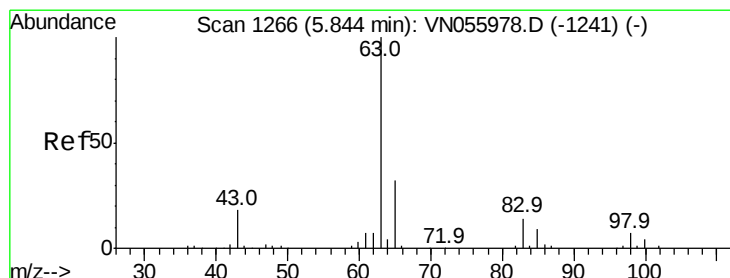
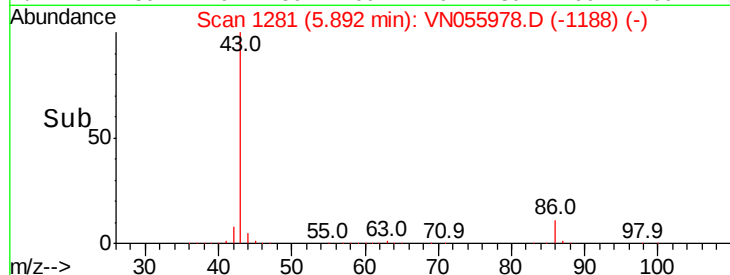
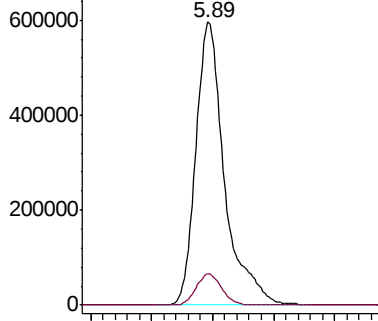
MMDadoda

6/5/2019 4:03:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 50.927 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

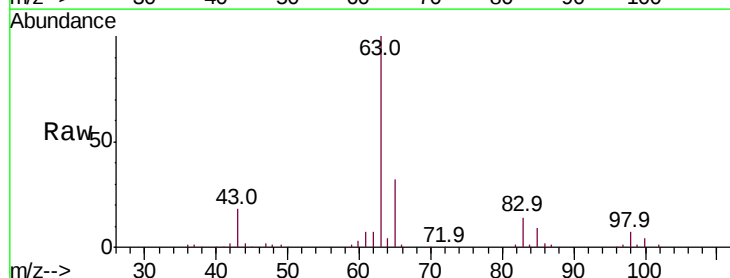
Tgt Ion: 63 Resp: 272051

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

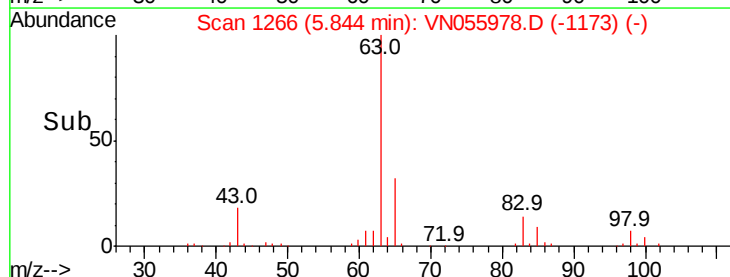
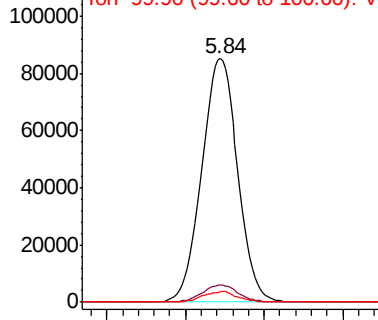
100 4.2 2.2 6.6

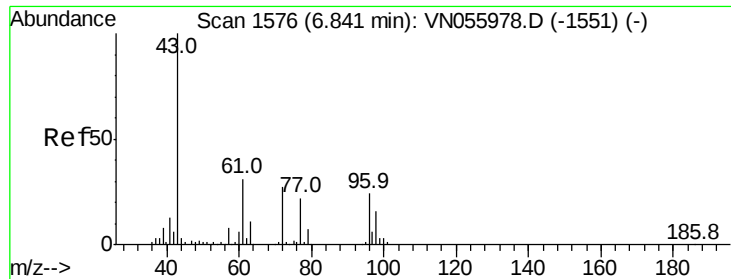


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





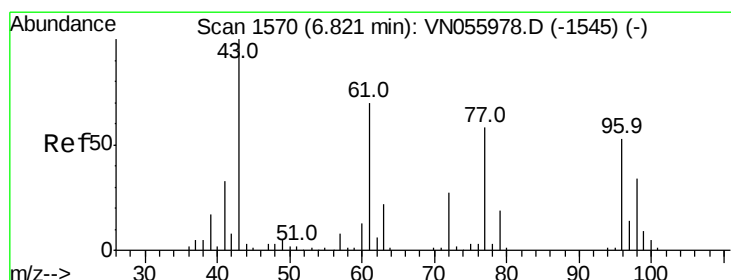
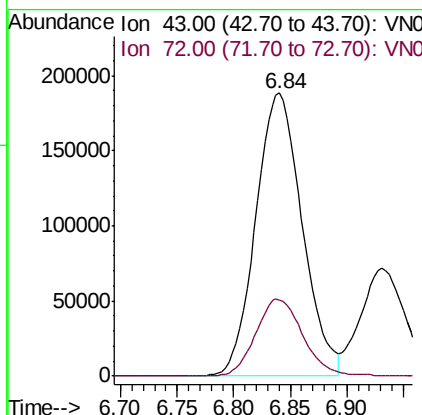
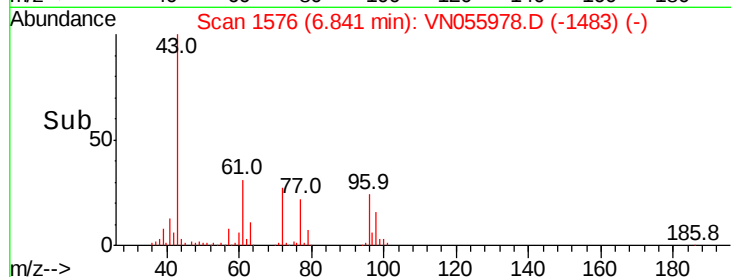
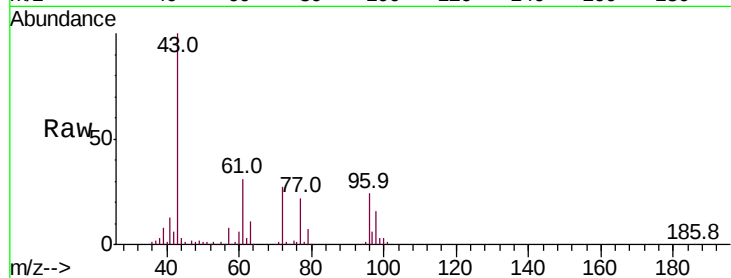
#25
2-Butanone
Concen: 273.497 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 534470
Ion Ratio Lower Upper
43 100
72 27.0 21.9 32.9

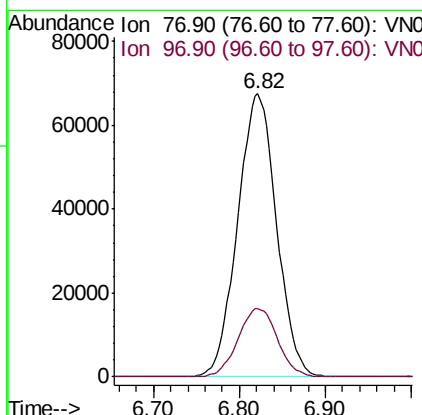
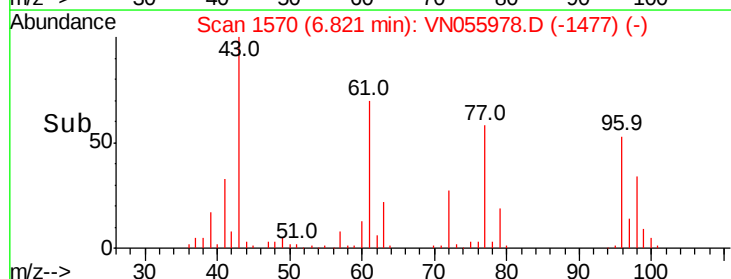
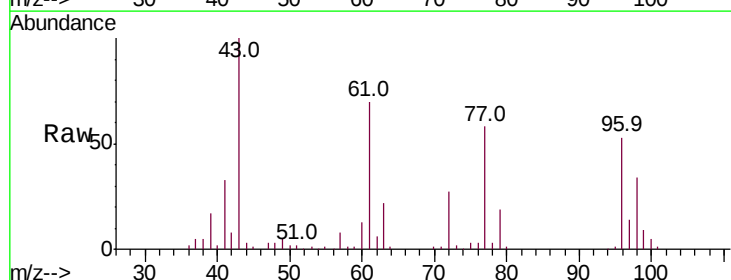
Manual Integrations
APPROVED

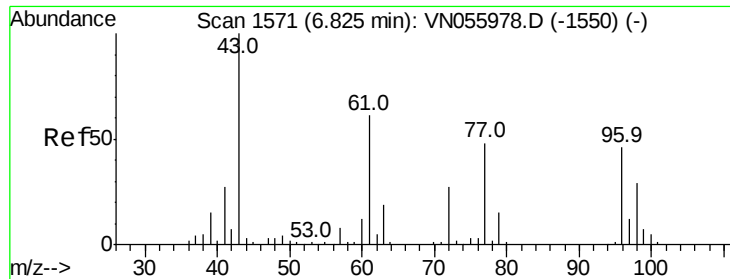
MMDadoda
6/5/2019 4:03:35 PM



#26
2,2-Dichloropropane
Concen: 51.404 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 77 Resp: 212419
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





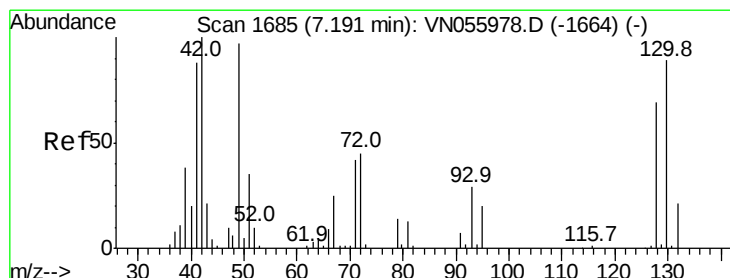
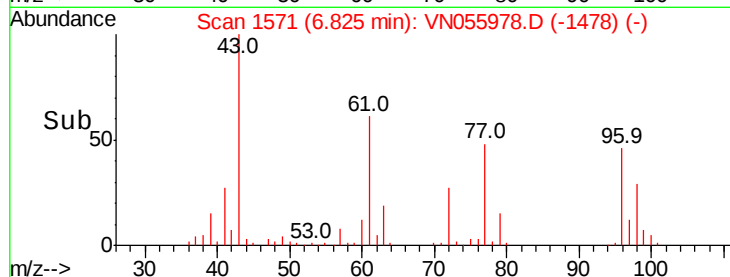
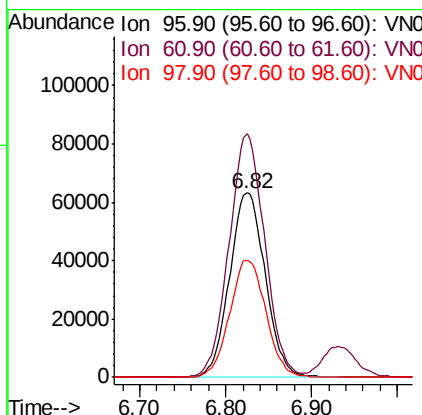
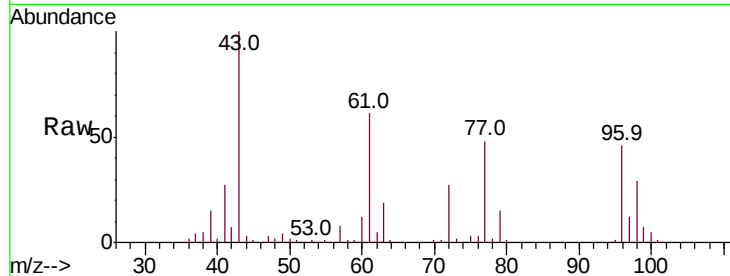
#27
 cis-1,2-Dichloroethene
 Concen: 51.344 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	182524		
61	131.9	0.0	275.8	
98	64.3	0.0	128.4	

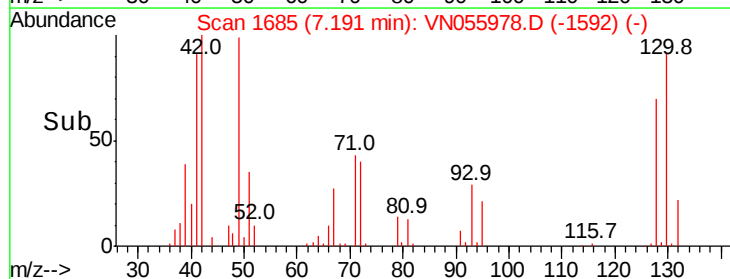
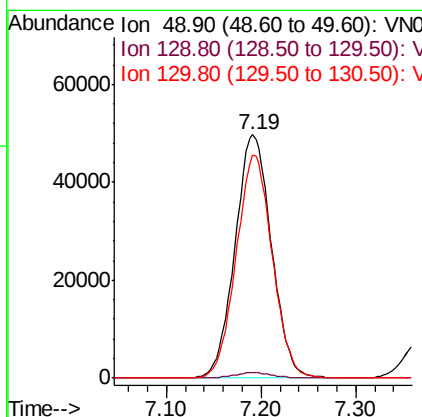
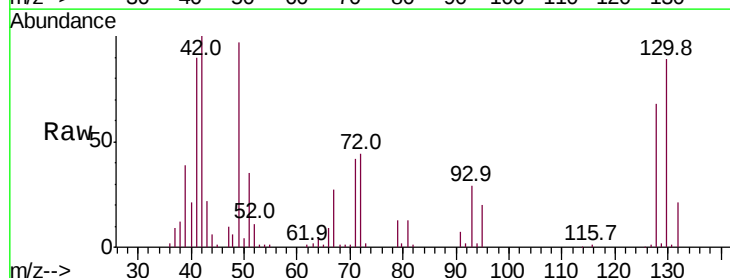
Manual Integrations
 APPROVED

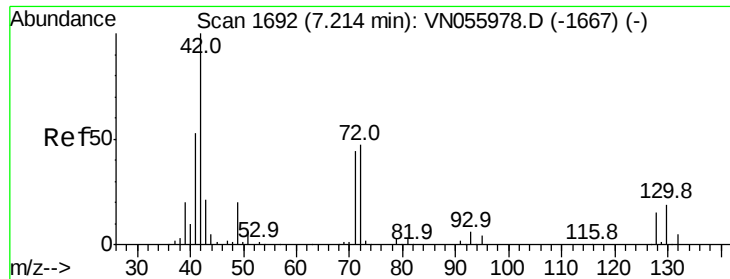
MMDadoda
 6/5/2019 4:03:35 PM



#28
 Bromochloromethane
 Concen: 53.295 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133022		
129	2.2	0.0	4.4	
130	90.6	71.2	106.8	





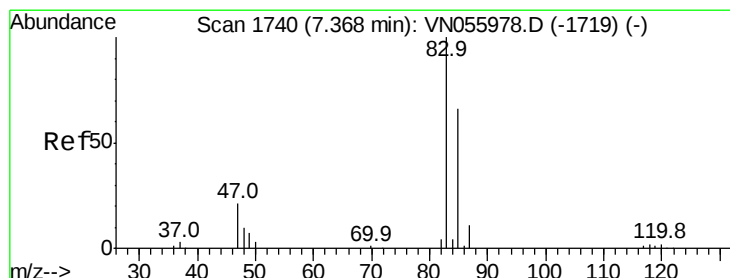
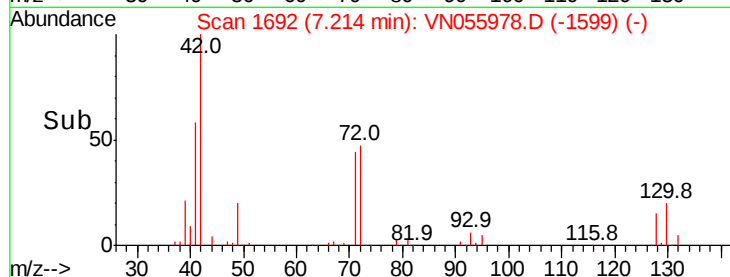
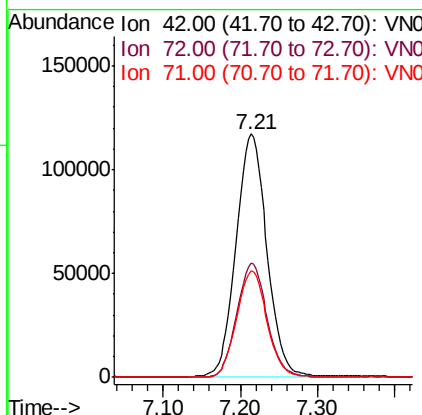
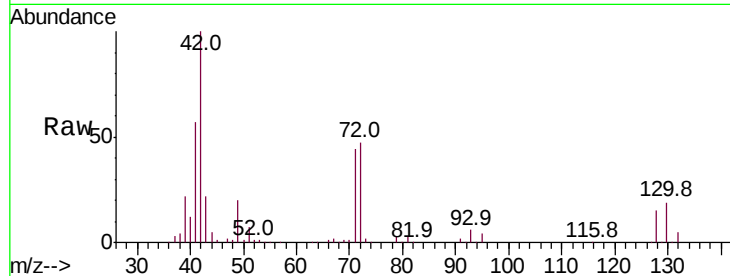
#29
Tetrahydrofuran
Concen: 265.764 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	43.3	34.0	51.0

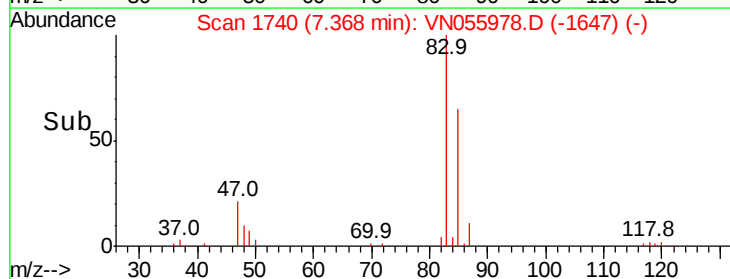
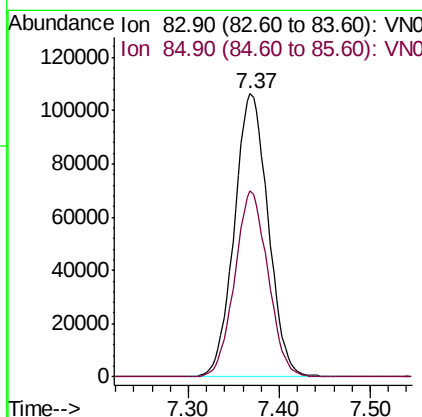
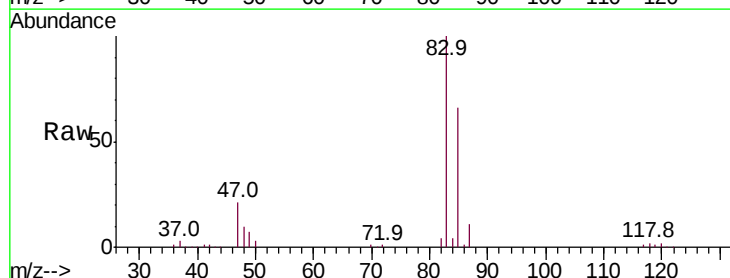
Manual Integrations
APPROVED

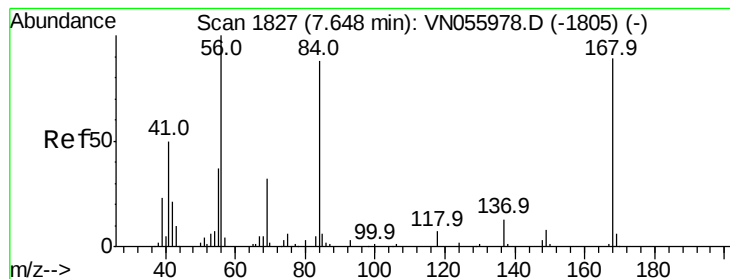
MMDadoda
6/5/2019 4:03:35 PM



#30
Chloroform
Concen: 51.125 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





#31

Cyclohexane

Concen: 45.642 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 259128

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

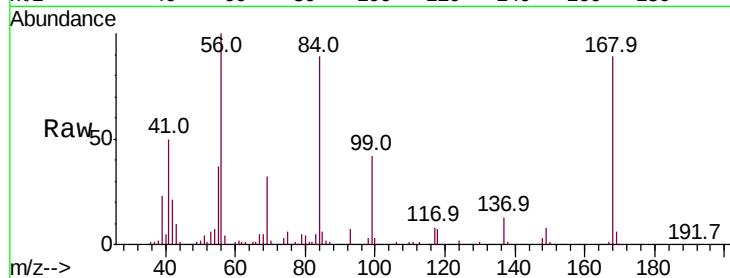
84 87.8 67.4 101.0

Manual Integrations

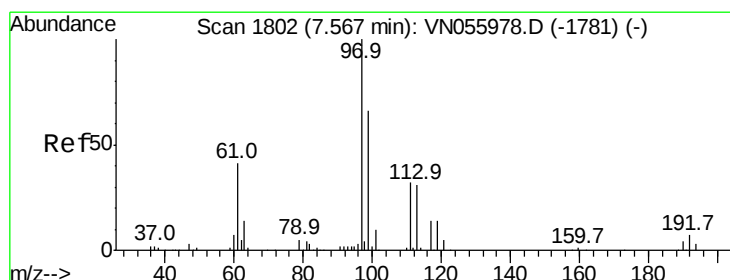
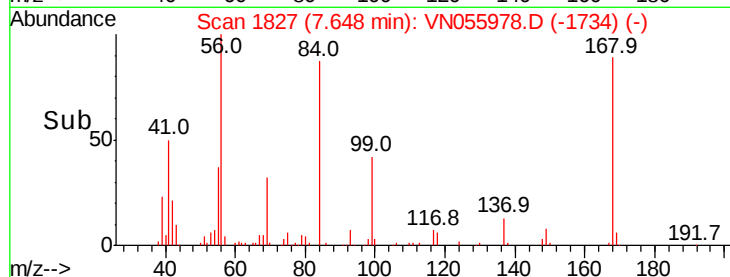
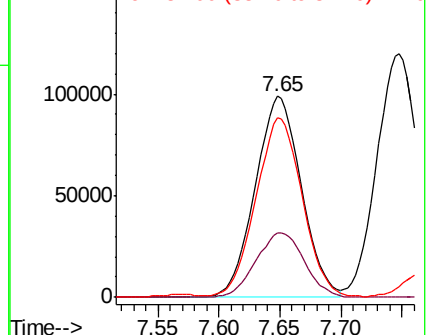
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 53.126 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

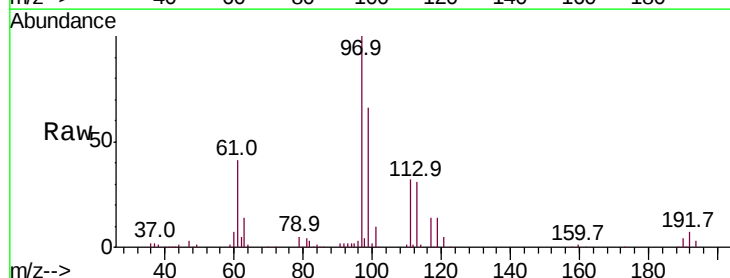
Tgt Ion: 97 Resp: 231209

Ion Ratio Lower Upper

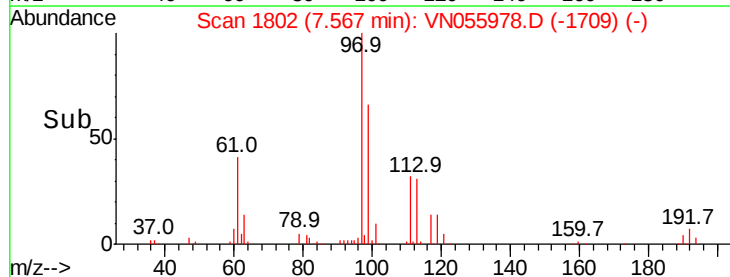
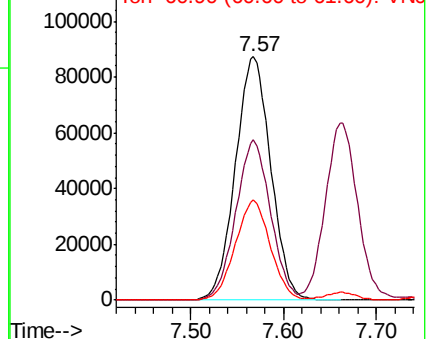
97 100

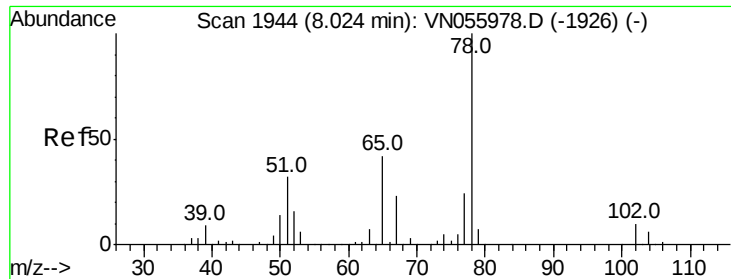
99 64.5 52.0 78.0

61 40.6 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





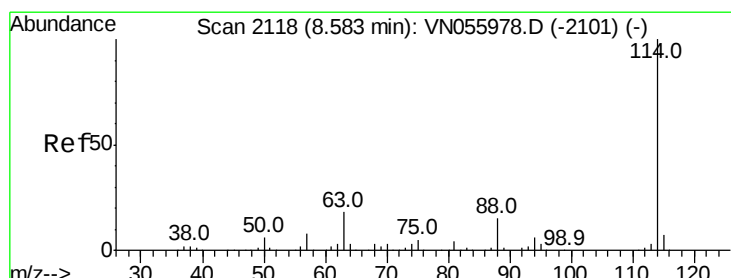
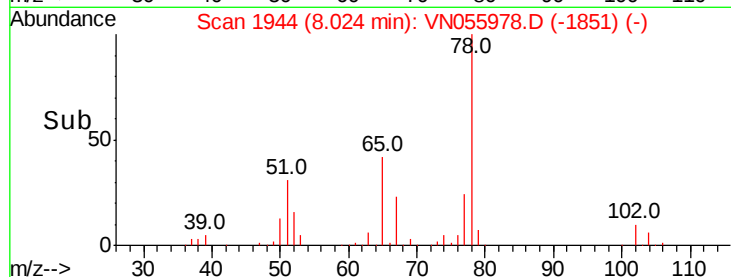
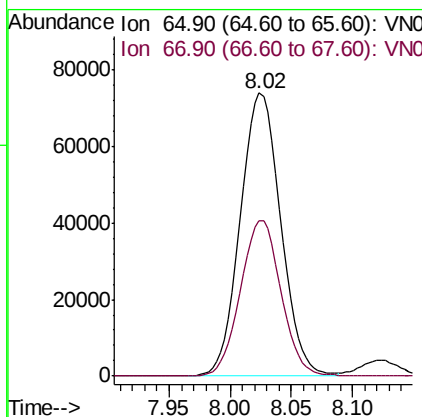
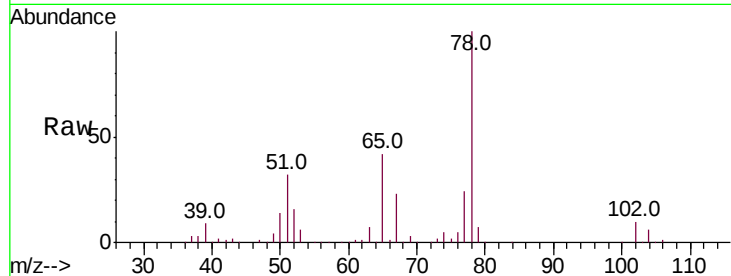
#33
 1,2-Dichloroethane-d4
 Concen: 49.423 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169848		
67	54.9	0.0	109.2	

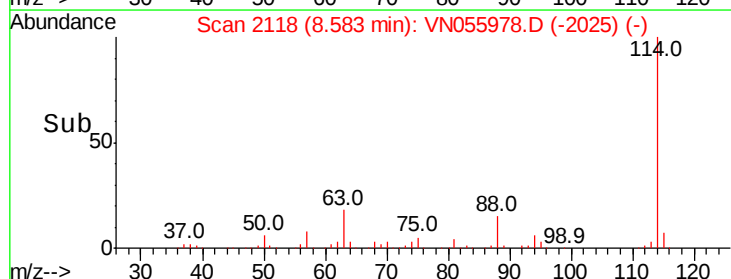
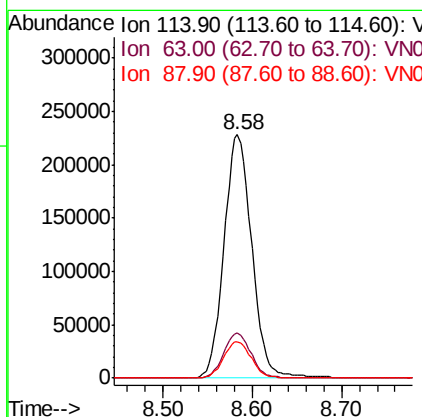
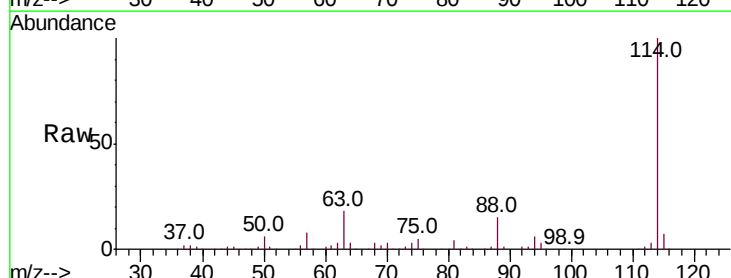
Manual Integrations
 APPROVED

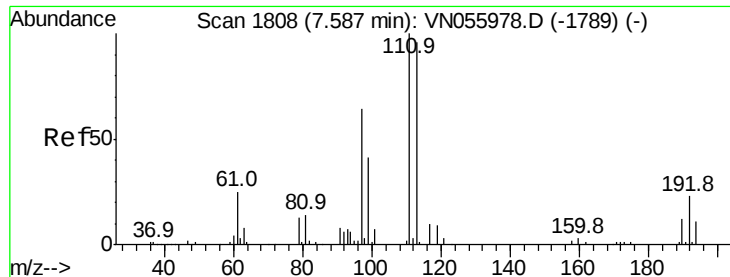
MMDadoda
 6/5/2019 4:03:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	492092		
63	18.4	0.0	39.2	
88	14.8	0.0	31.0	





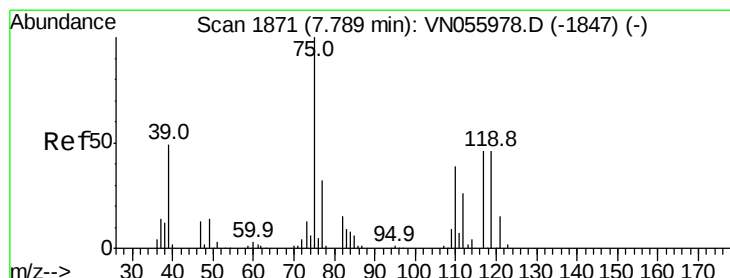
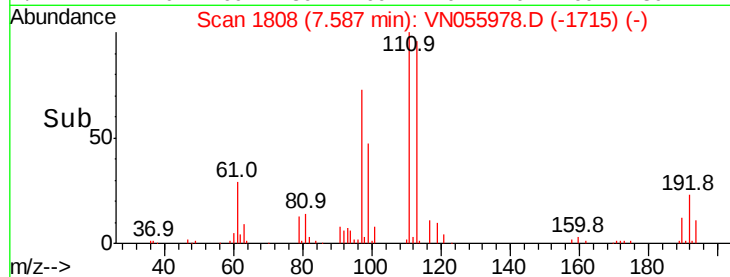
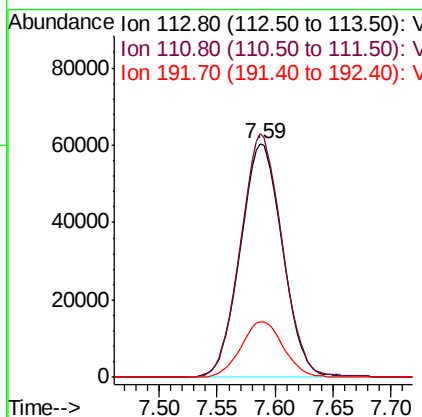
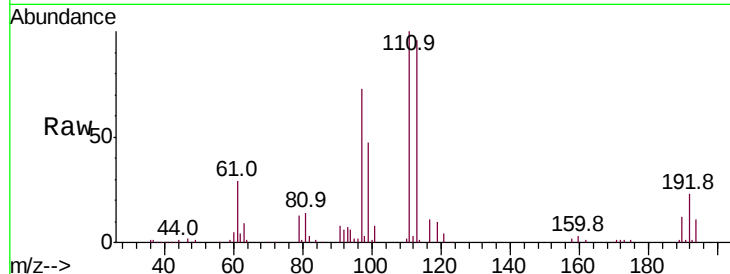
#35
 Dibromofluoromethane
 Concen: 50.665 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	81.9	122.9	
192	24.0	19.5	29.3	

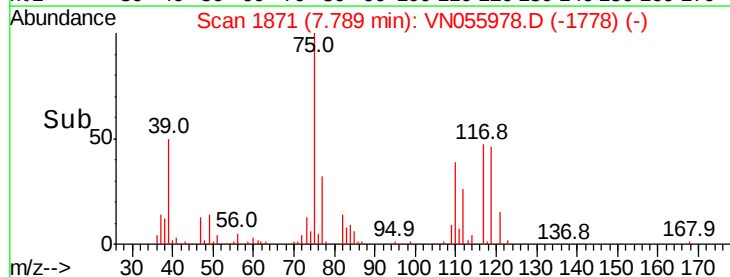
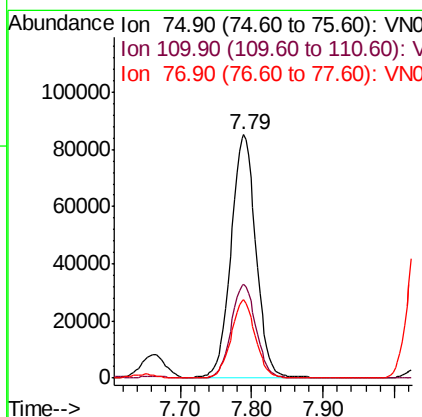
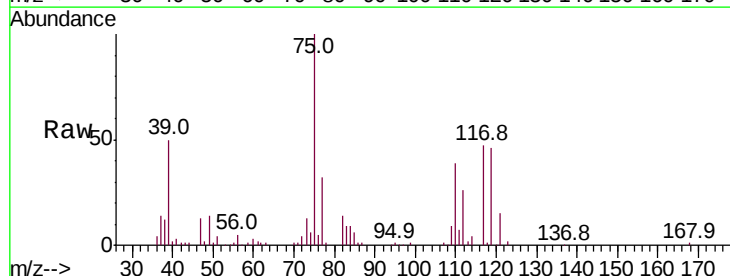
Manual Integrations
 APPROVED

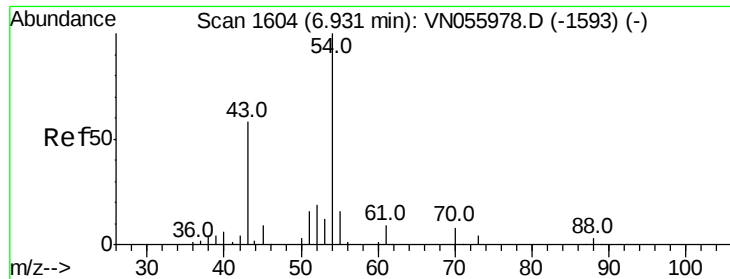
MMDadoda
 6/5/2019 4:03:35 PM



#36
 1,1-Dichloropropene
 Concen: 48.748 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.3	19.0	57.0	
77	31.3	25.1	37.7	





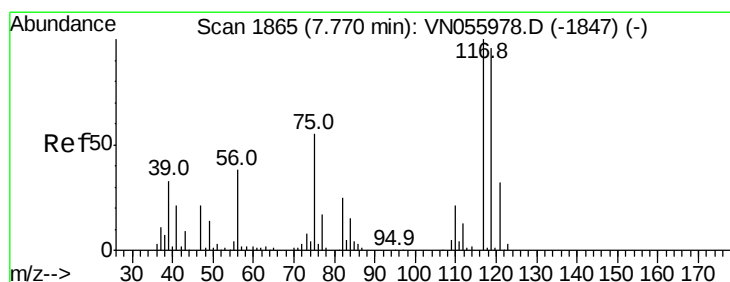
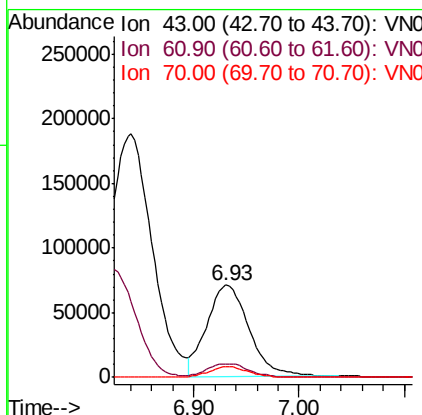
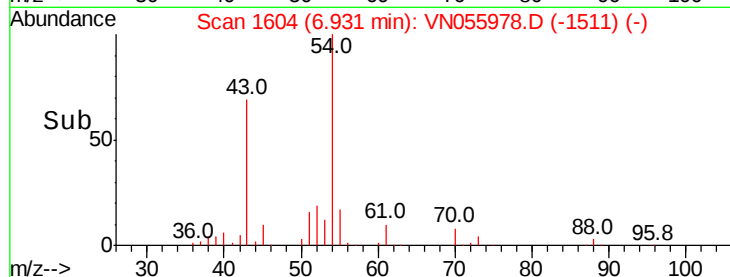
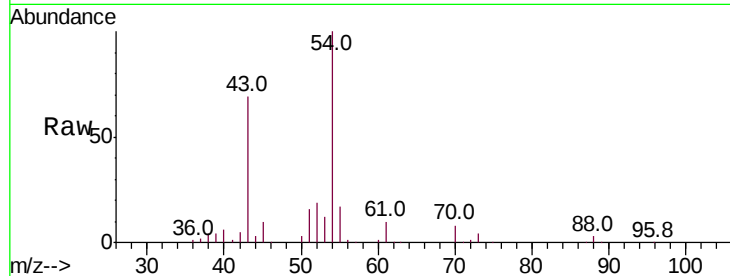
#37
Ethyl Acetate
Concen: 55.398 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.0	8.9	13.3

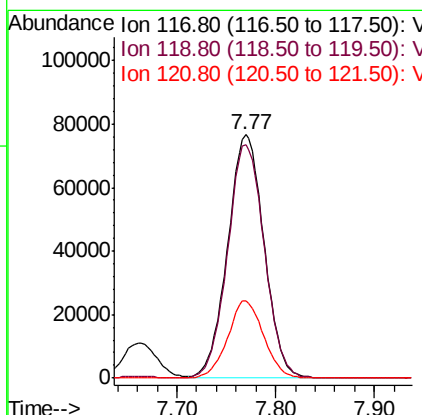
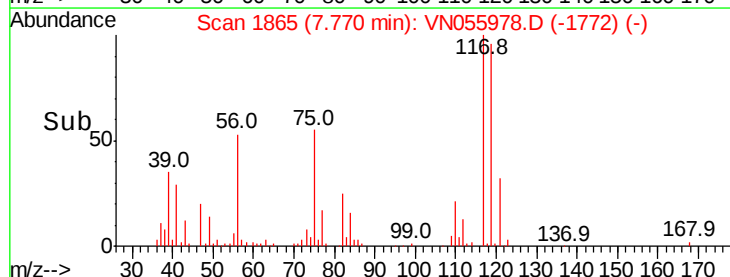
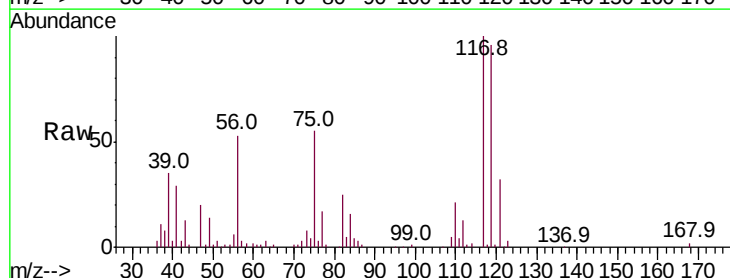
Manual Integrations
APPROVED

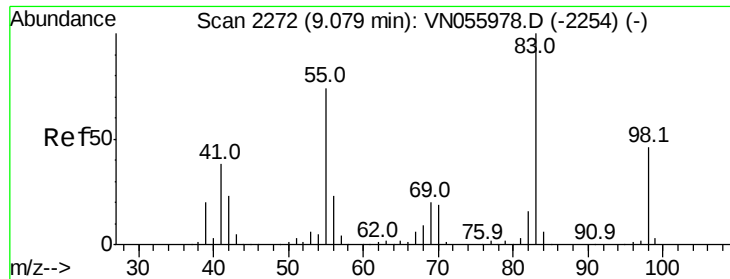
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.073 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.0	118.6
121	31.7	24.7	37.1





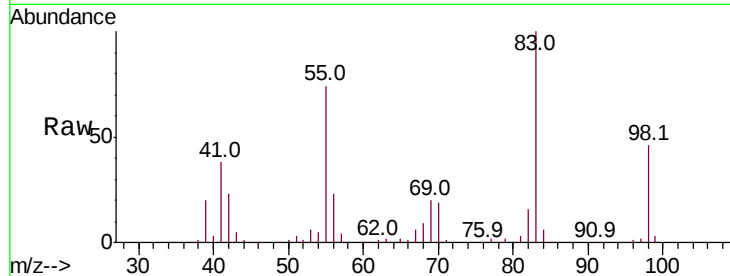
#39
Methvlcvclohexane
Concen: 50.501 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

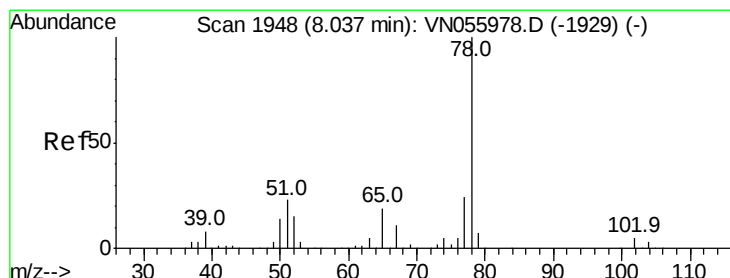
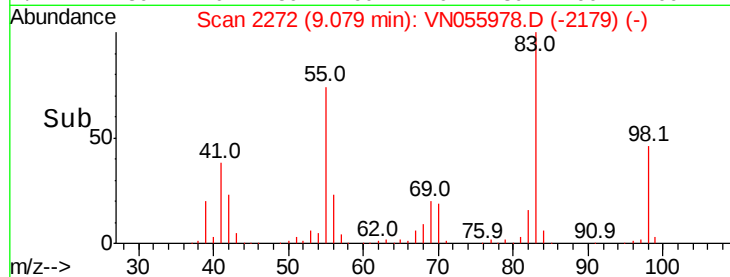
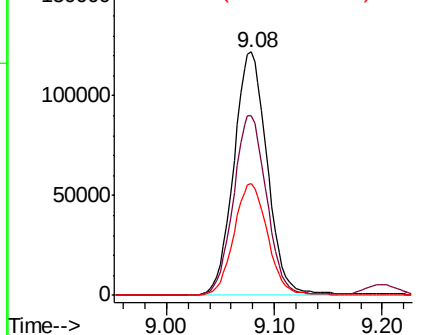
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	59.3	88.9
98	45.9	36.6	54.8

Manual Integrations
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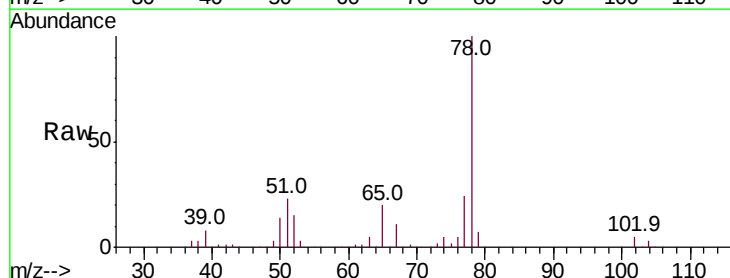


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

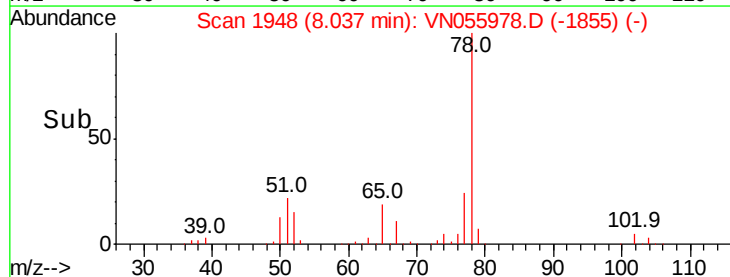
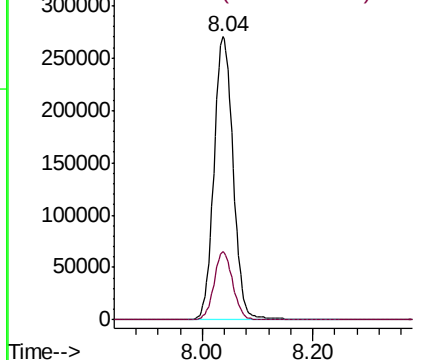


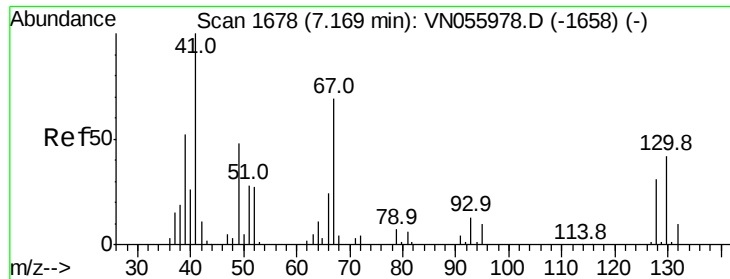
#40
Benzene
Concen: 50.850 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





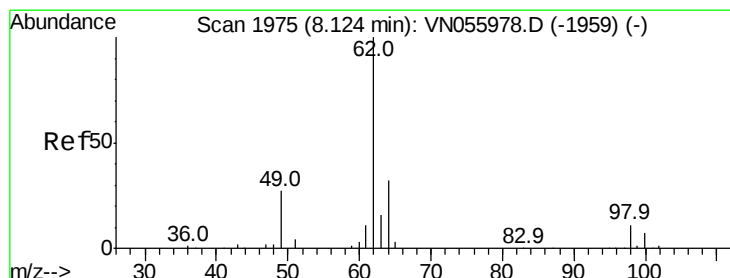
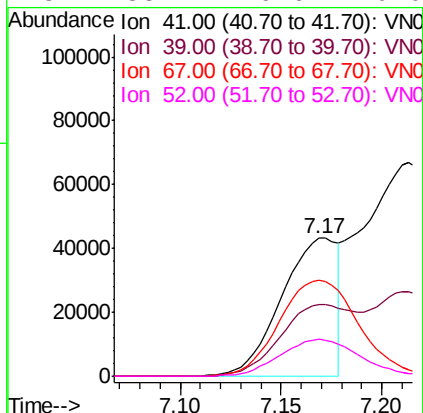
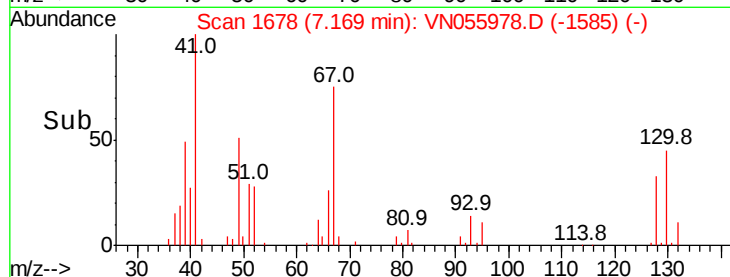
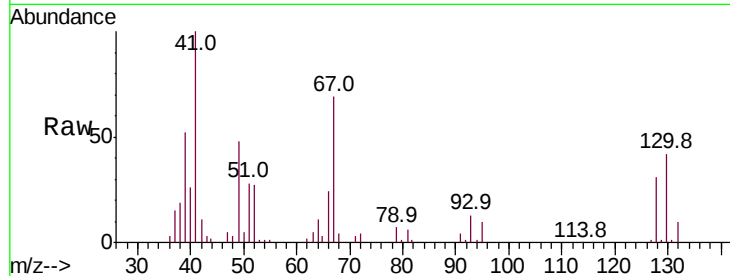
#41
Methacrylonitrile
Concen: 50.453 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	83507
Ion Ratio	Lower	Upper	
41	100		
39	66.6	45.6	68.4
67	100.0	67.7	101.5
52	38.7	26.6	40.0

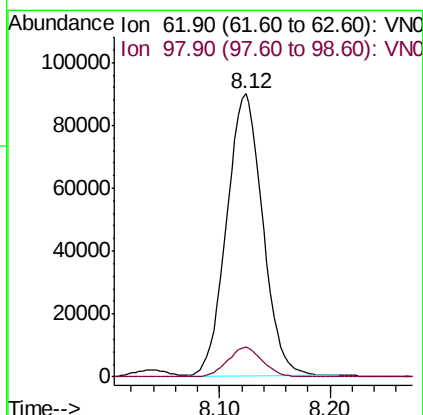
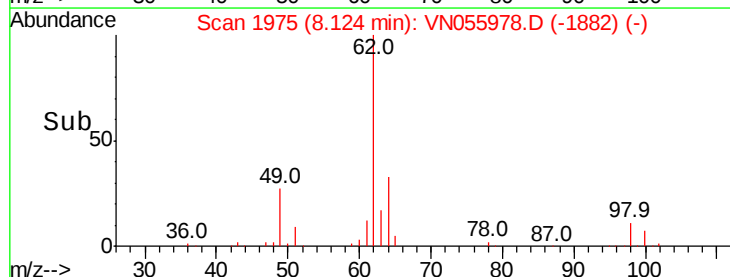
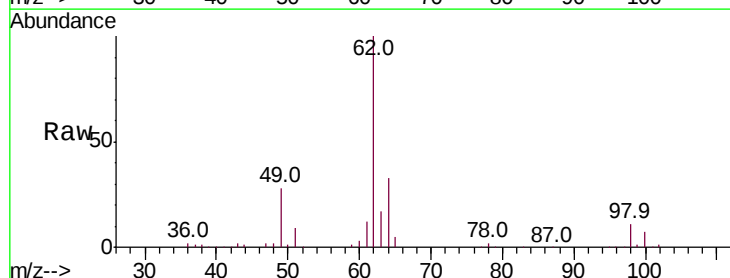
Manual Integrations
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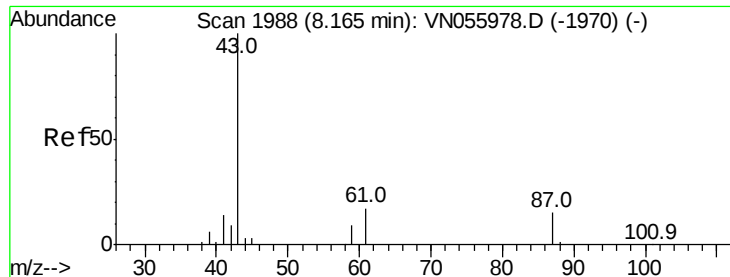
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.124 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	62	Resp	203582
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 55.081 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 316675

Ion Ratio Lower Upper

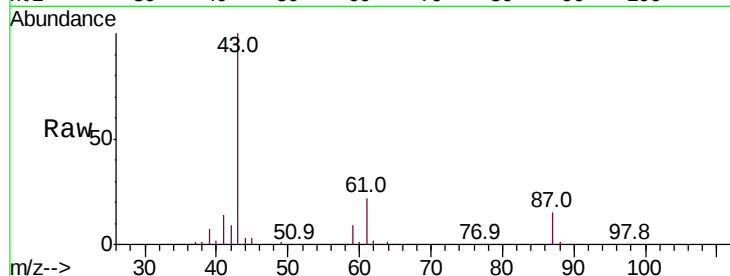
43 100

61 21.0 22.2 33.4#

87 14.4 11.4 17.2

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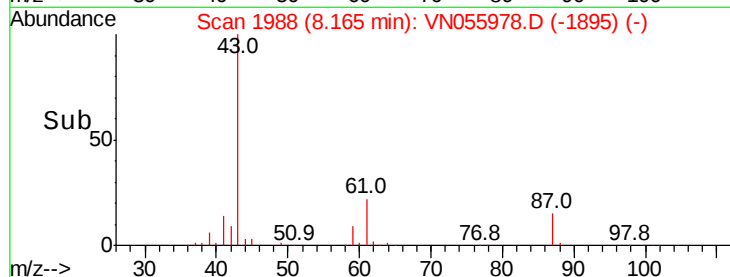


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

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

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

8.17



Abundance

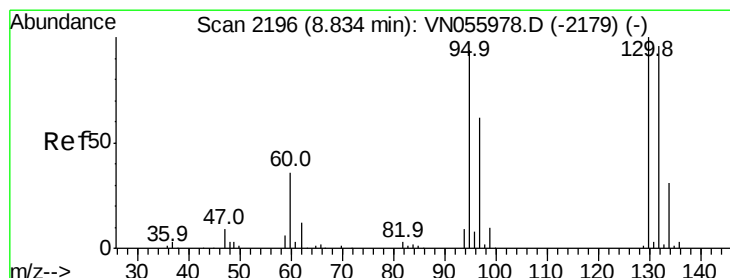
Ion 43.00 (42.70 to 43.70): VN055978.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1895) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 49.794 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055978.D

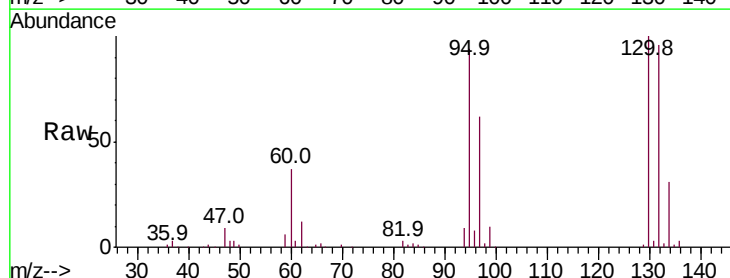
Acq: 4 Jun 2019 9:37

Tgt Ion:130 Resp: 184432

Ion Ratio Lower Upper

130 100

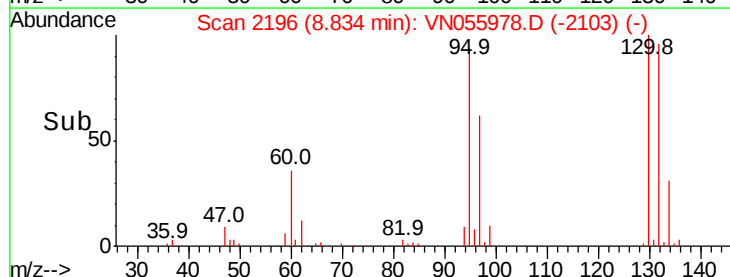
95 94.1 0.0 188.0



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

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

8.83



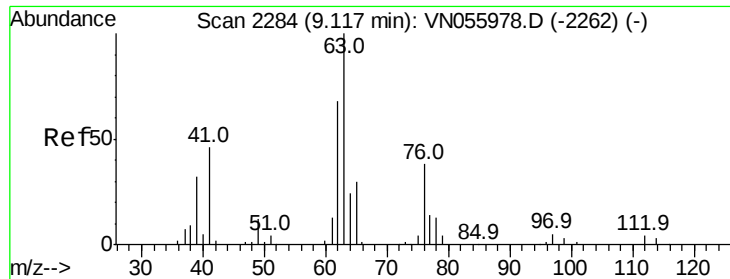
Abundance

Ion 129.80 (129.50 to 130.50): VN055978.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2103) (-)

8.83

Time-->



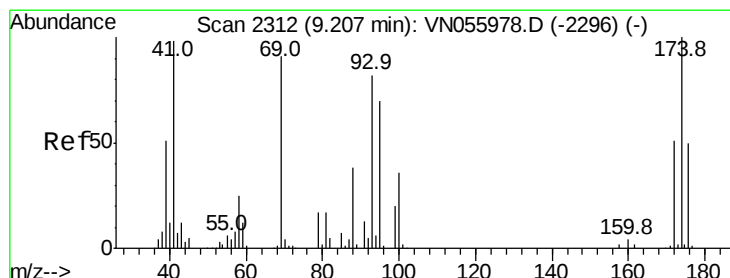
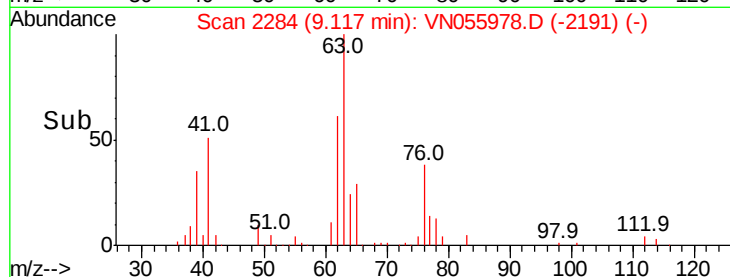
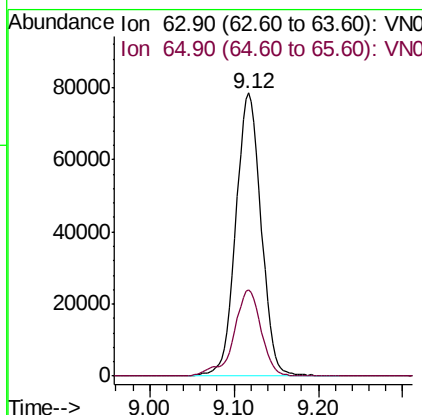
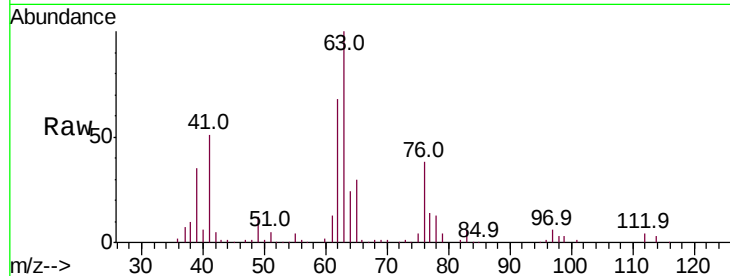
#45
 1,2-Dichloropropane
 Concen: 50.456 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 164920
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8

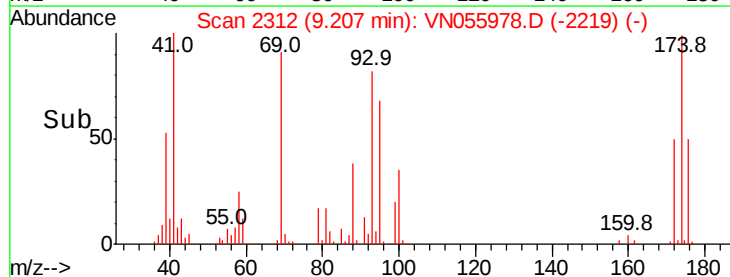
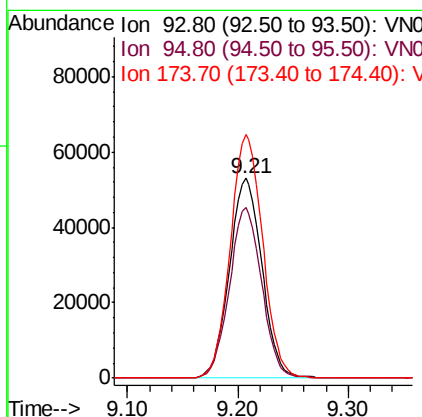
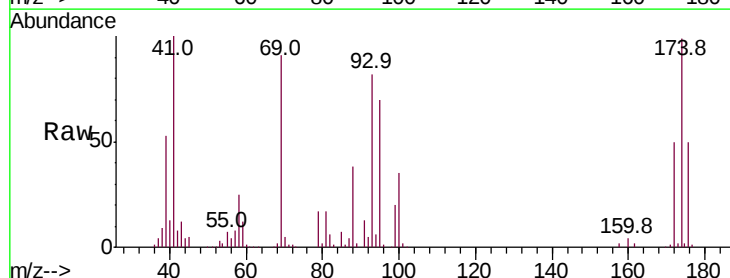
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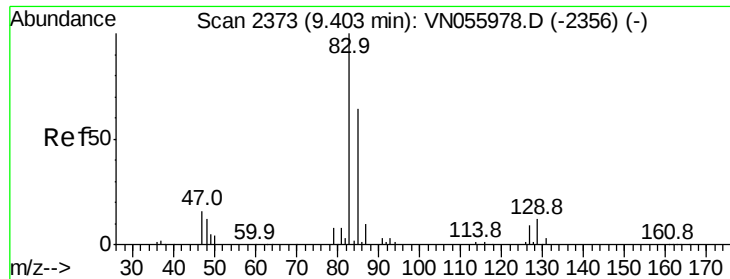
MMDadoda
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#46
 Dibromomethane
 Concen: 51.380 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion: 93 Resp: 108676
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.7 100.1
 174 121.1 96.4 144.6





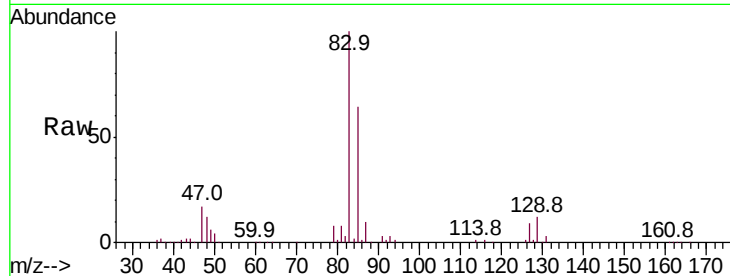
#47
Bromodichloromethane
Concen: 55.372 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

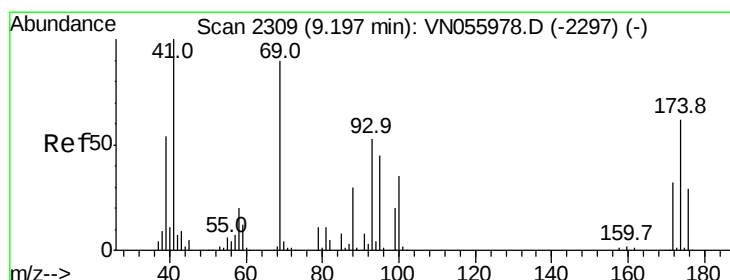
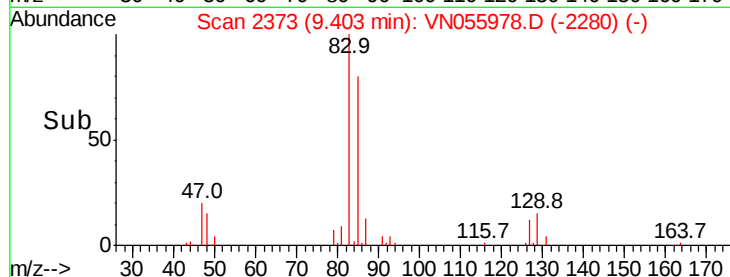
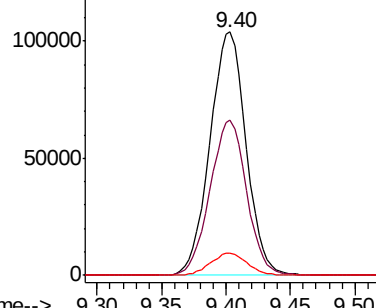
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2
127	9.1	7.4	11.0

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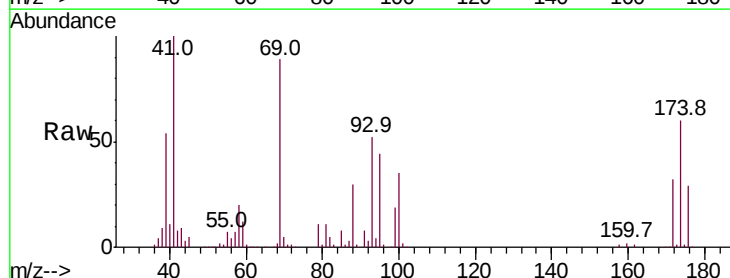


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

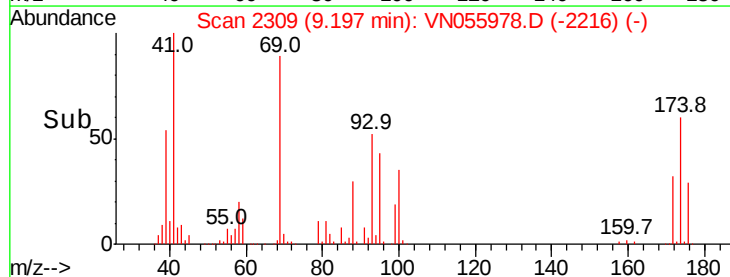
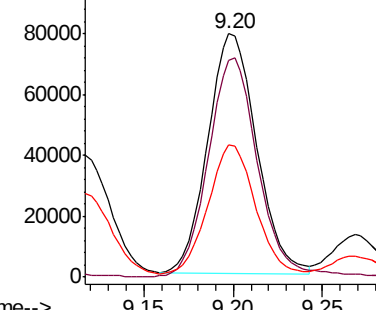


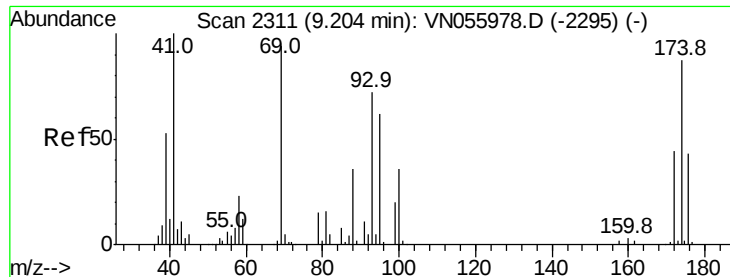
#48
Methyl methacrylate
Concen: 52.401 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.9	71.0	106.6
39	54.6	44.2	66.2



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





#49

1,4-Dioxane

Concen: 1066.884 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 66059

Ion Ratio Lower Upper

88 100

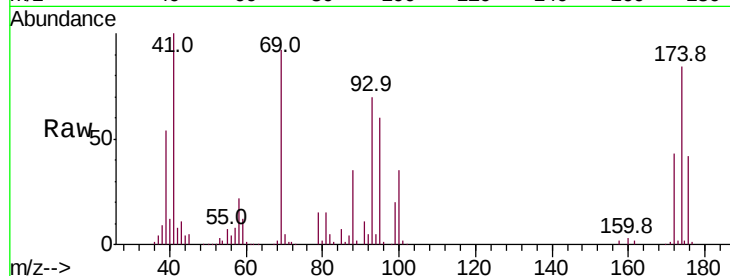
43 24.7 20.5 30.7

58 67.8 55.8 83.6

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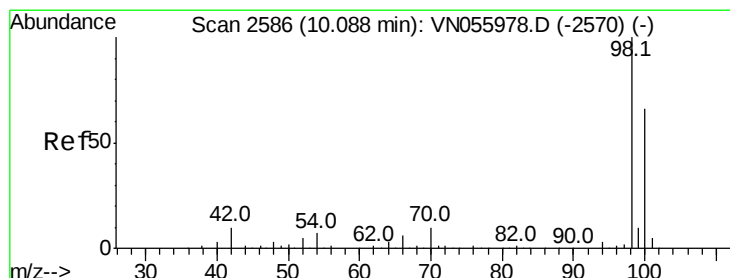
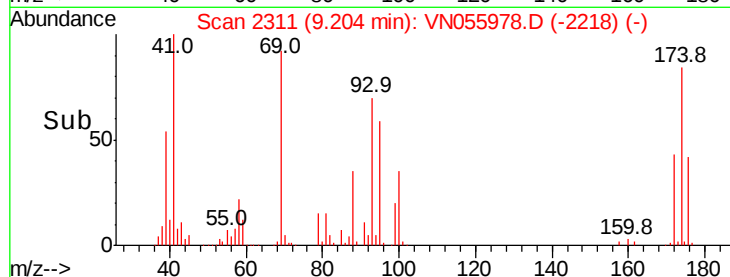
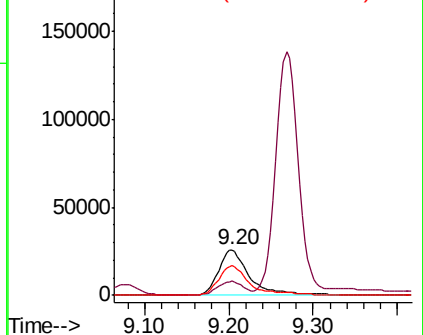
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Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50

Toluene-d8

Concen: 50.459 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055978.D

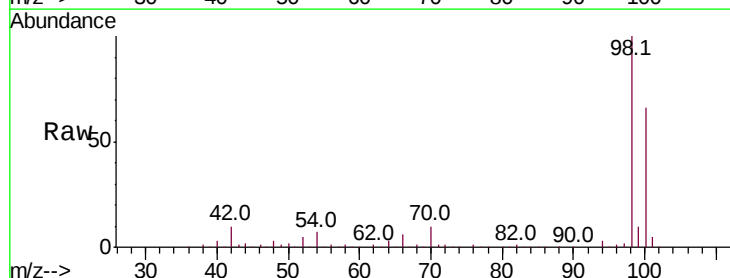
Acq: 4 Jun 2019 9:37

Tgt Ion: 98 Resp: 582605

Ion Ratio Lower Upper

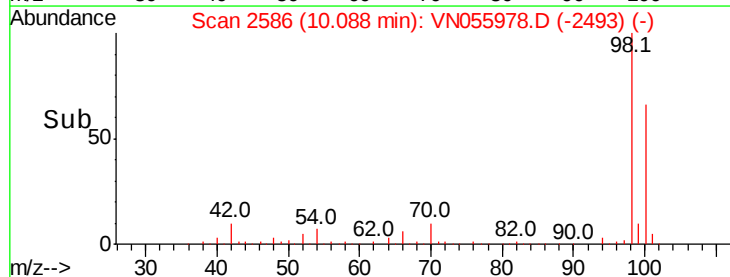
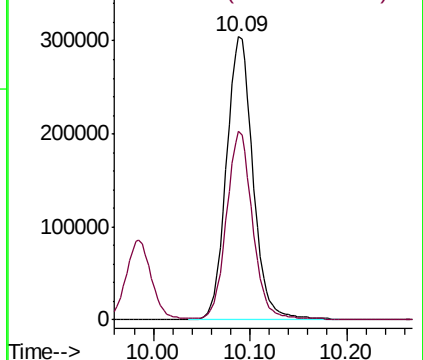
98 100

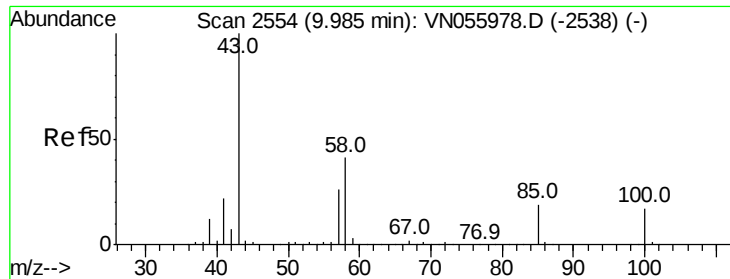
100 66.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 264.360 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 976226

Ion Ratio Lower Upper

43 100

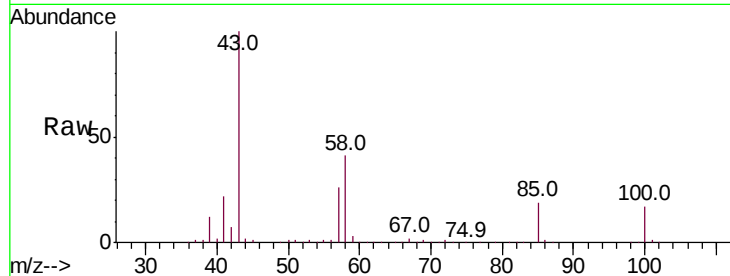
58 40.4 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

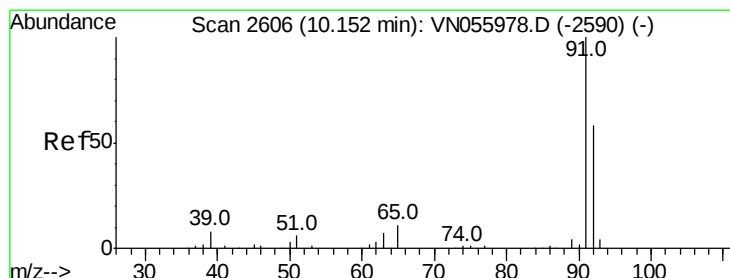
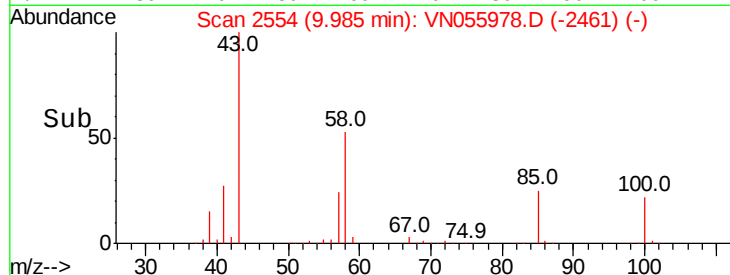
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 52.316 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055978.D

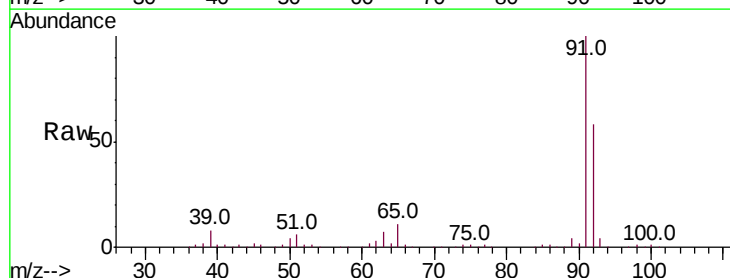
Acq: 4 Jun 2019 9:37

Tgt Ion: 92 Resp: 407628

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

100000

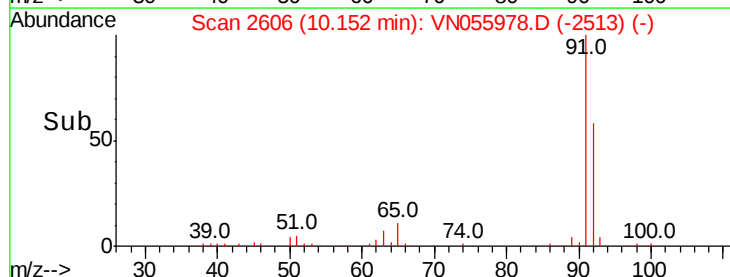
0

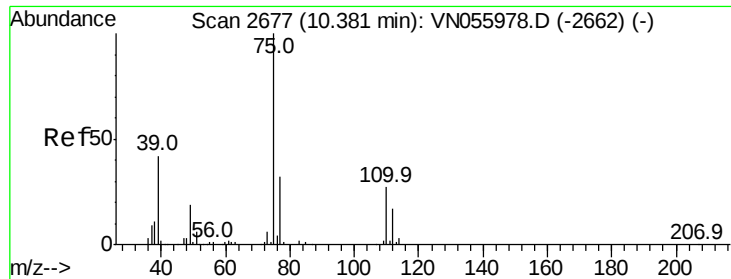
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 61.350 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 215937

Ion Ratio Lower Upper

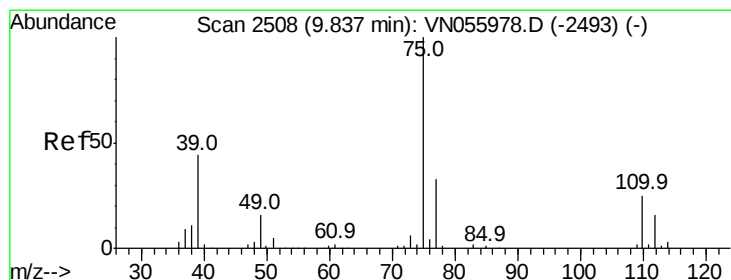
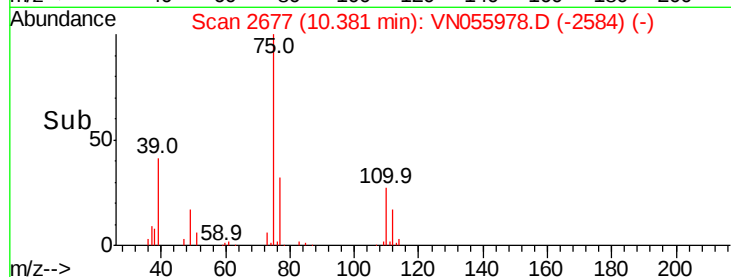
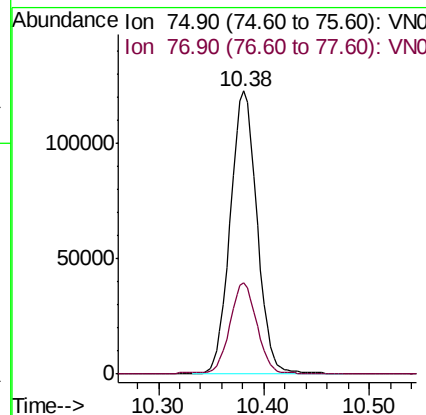
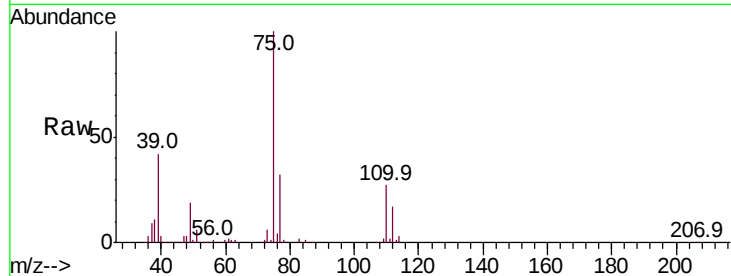
75 100

77 32.0 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 58.767 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

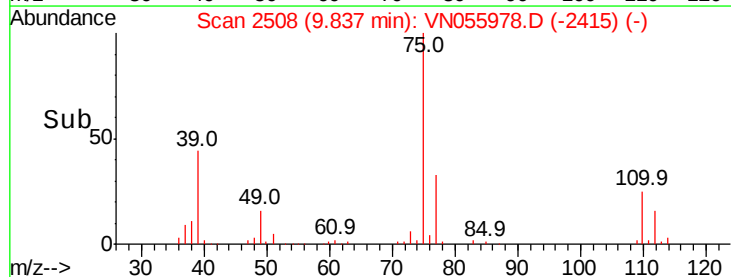
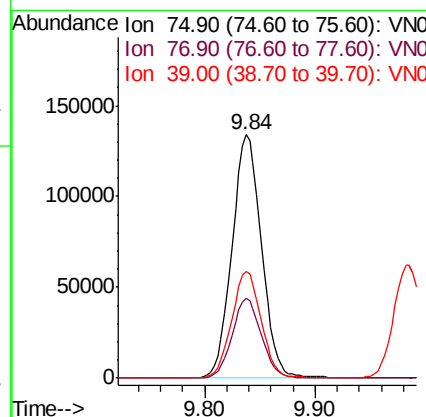
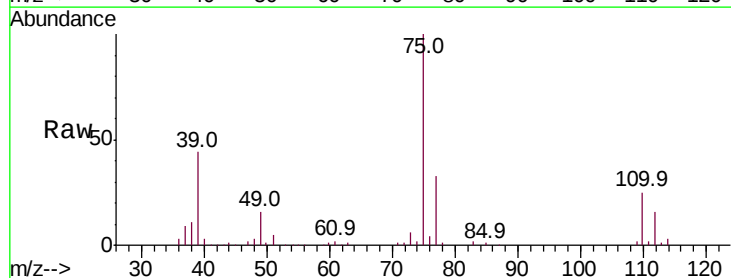
Tgt Ion: 75 Resp: 248232

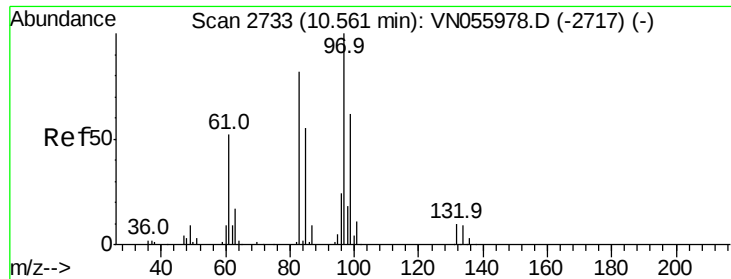
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 44.1 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.112 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

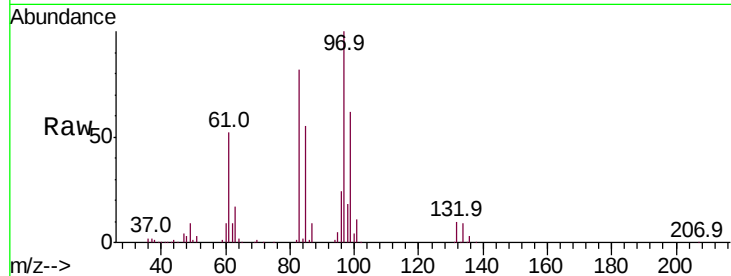
ClientSampled :

VSTDICCC050

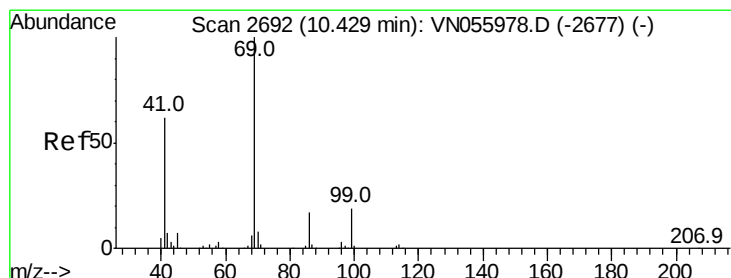
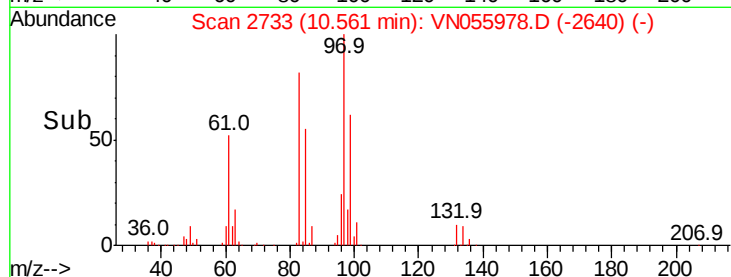
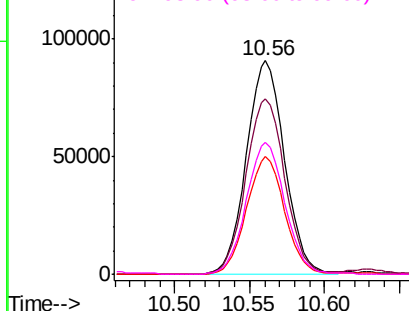
Tot Ion:	97	Resp:	161161
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.0	100.6
85	54.9	44.0	66.0
99	61.5	50.6	75.8

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Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 56.882 ug/l

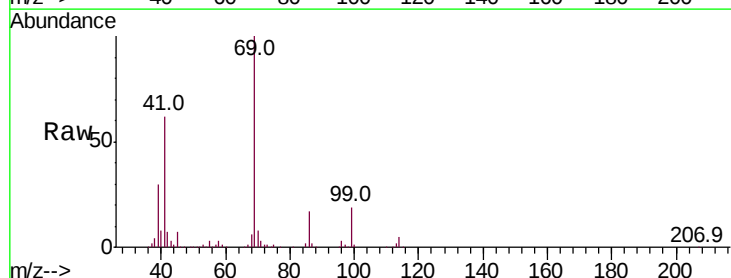
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

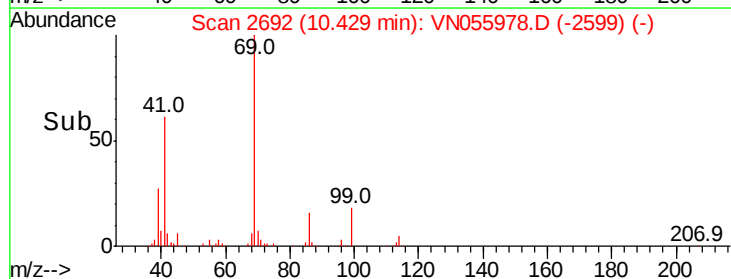
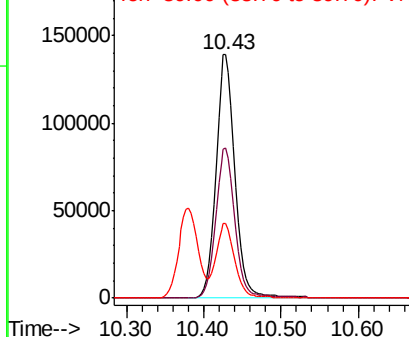
Lab File: VN055978.D

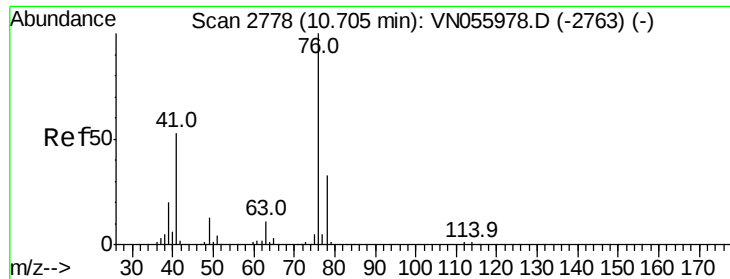
Acq: 4 Jun 2019 9:37

Tgt Ion:	69	Resp:	241905
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.7	74.5
39	29.6	24.7	37.1



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





#57

1,3-Dichloropropane

Concen: 52.425 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 262499

Ion Ratio Lower Upper

76 100

78 32.5

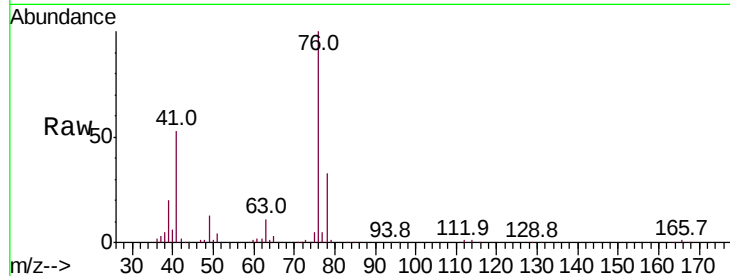
25.8

38.6

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

Ion 77.90 (77.60 to 78.60): VN0

10.71

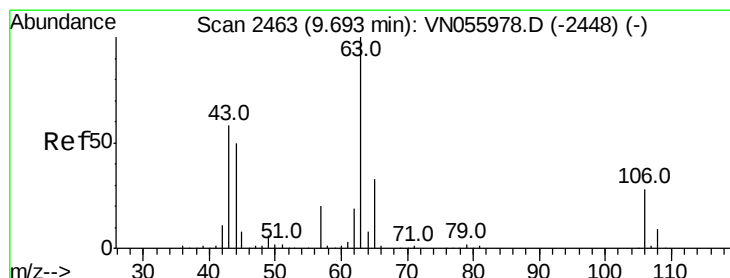
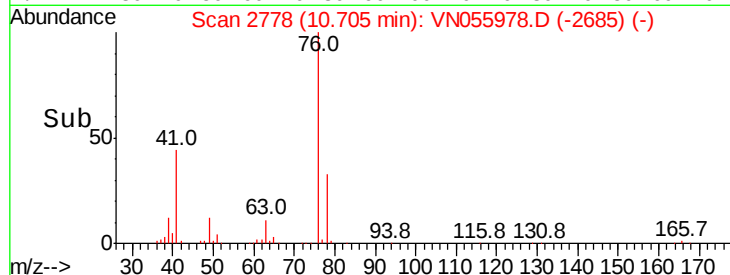
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 296.417 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion: 63 Resp: 420034

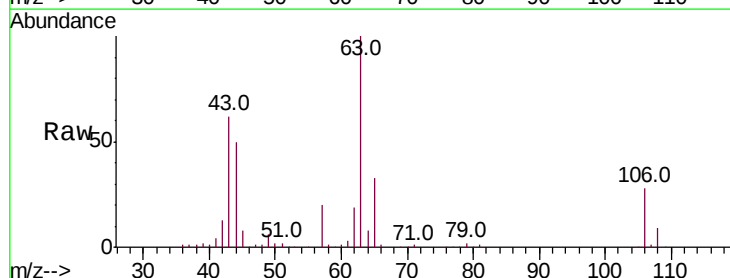
Ion Ratio Lower Upper

63 100

106 28.7

22.7

34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

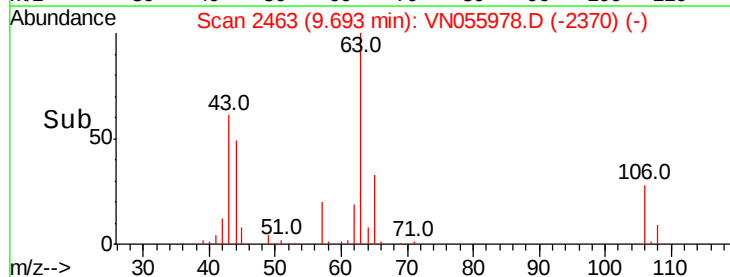
150000

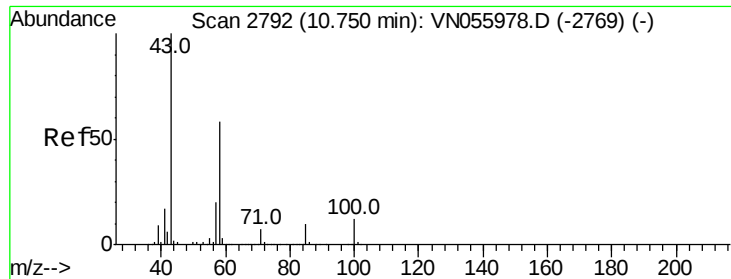
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 263.516 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 703355

Ion Ratio Lower Upper

43 100

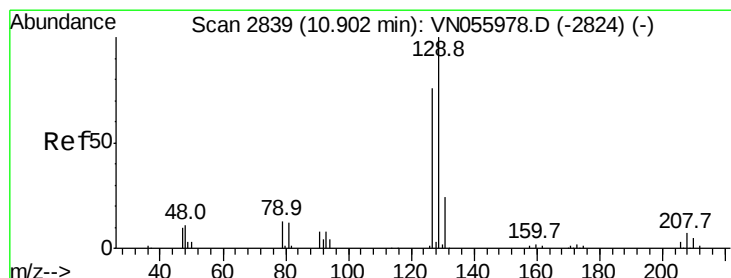
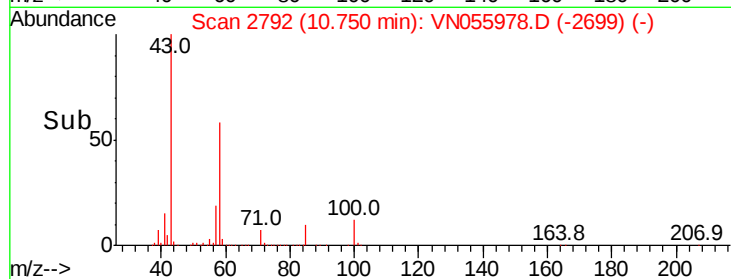
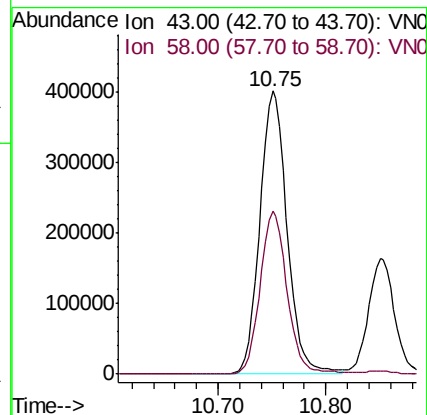
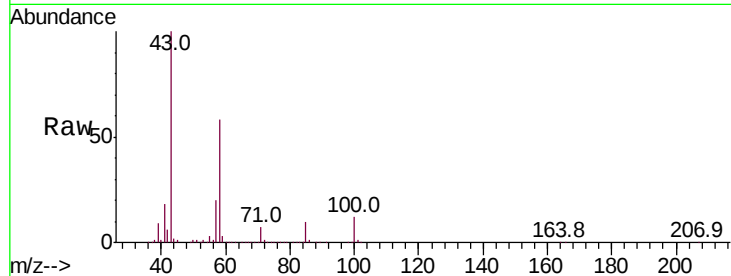
58 57.3 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 63.097 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055978.D

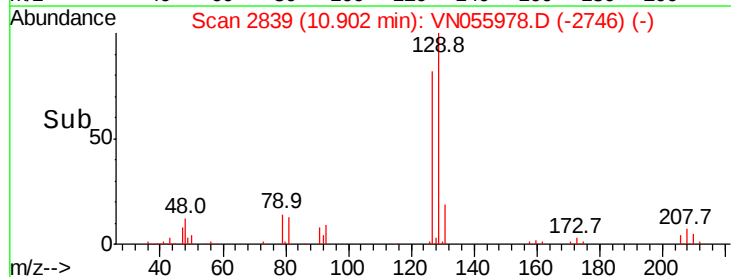
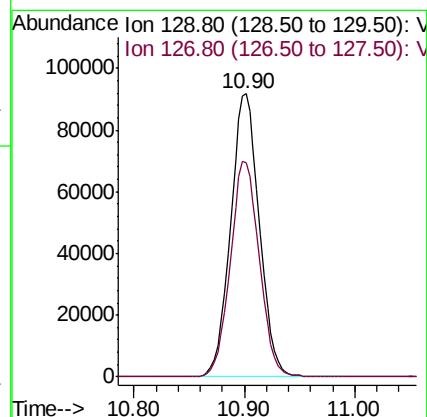
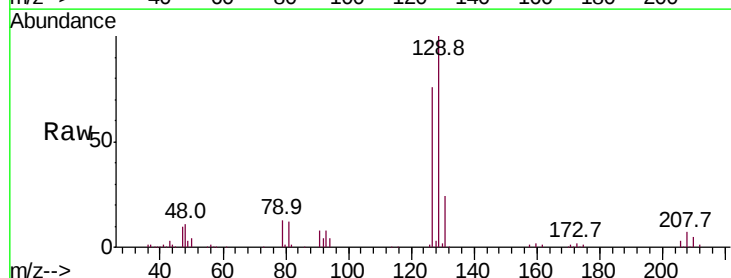
Acq: 4 Jun 2019 9:37

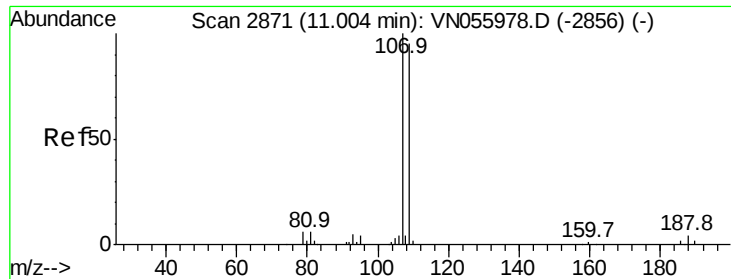
Tgt Ion: 129 Resp: 165595

Ion Ratio Lower Upper

129 100

127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 54.341 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 166108

Ion Ratio Lower Upper

107 100

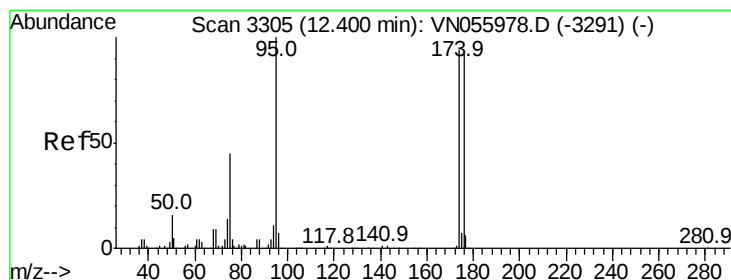
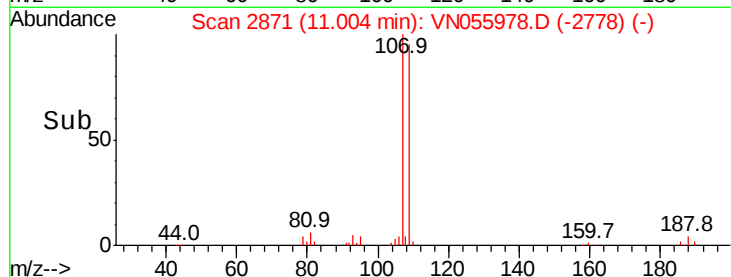
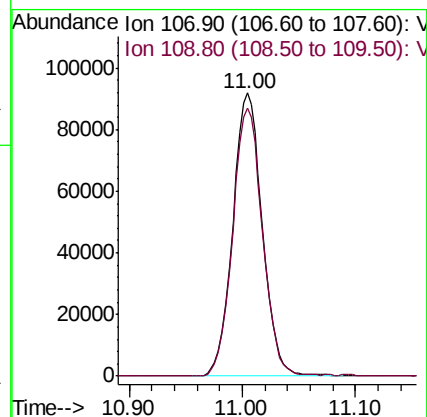
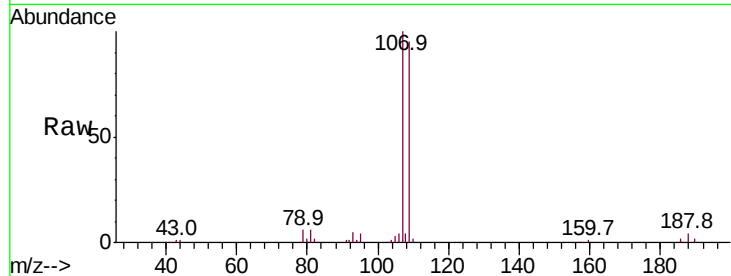
109 95.8 74.8 112.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 54.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

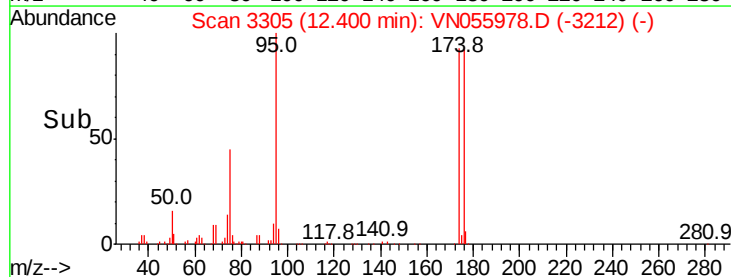
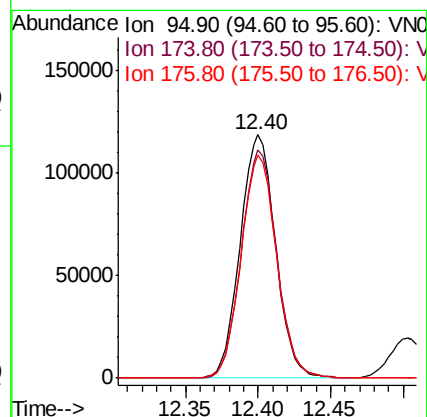
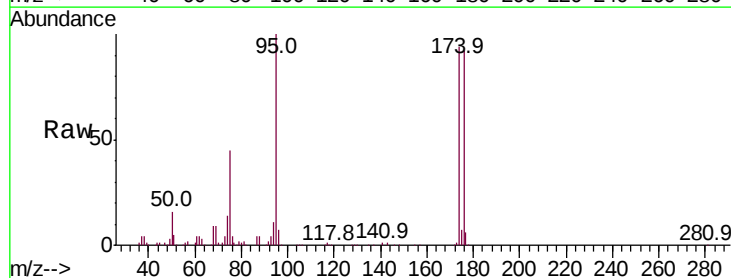
Tgt Ion: 95 Resp: 201179

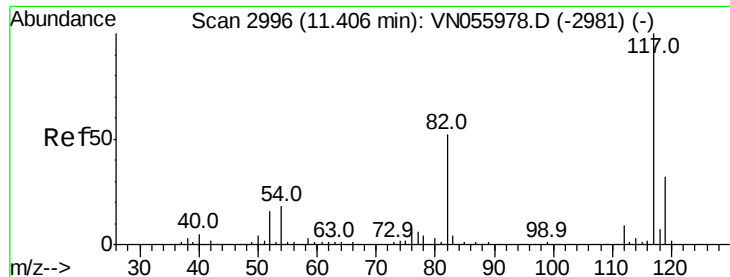
Ion Ratio Lower Upper

95 100

174 93.9 0.0 191.0

176 92.0 0.0 185.2





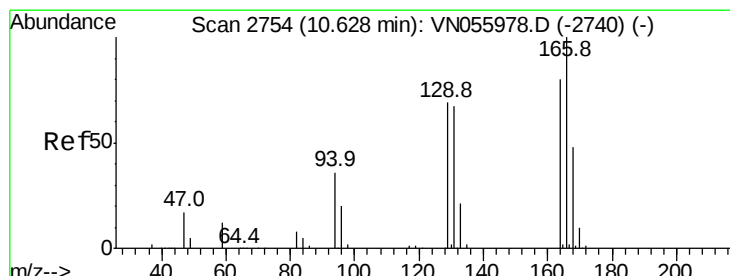
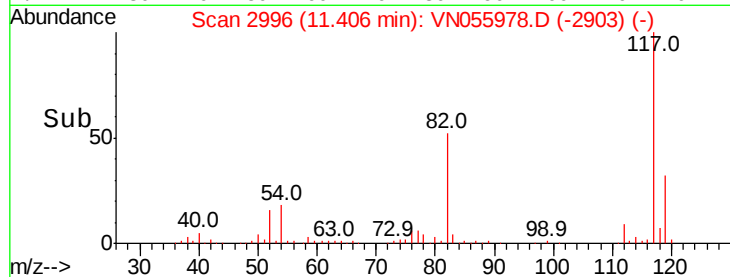
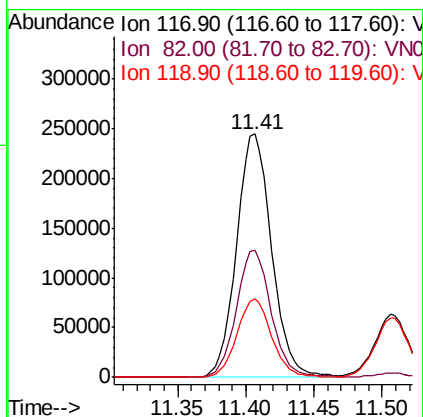
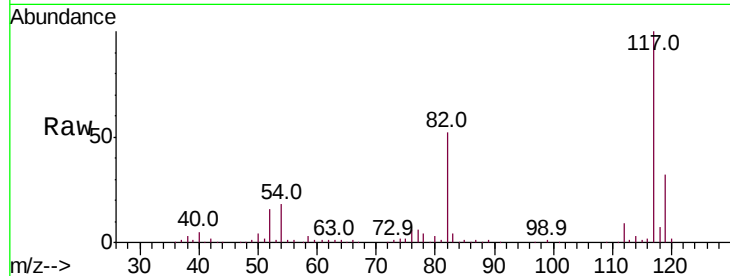
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.8
119	32.2	25.4	38.0

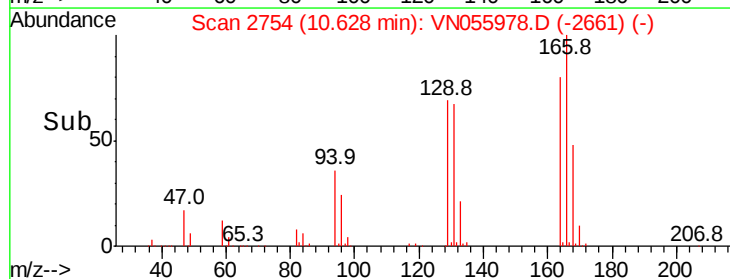
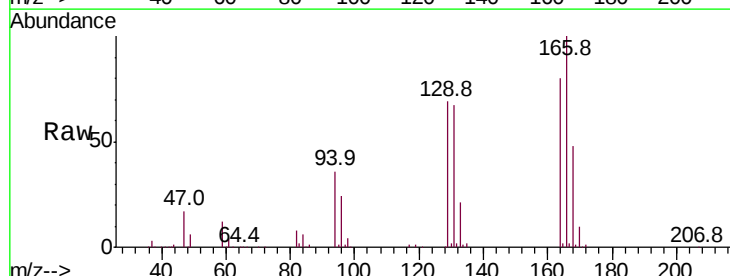
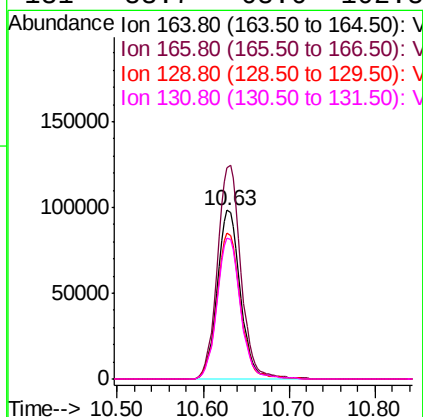
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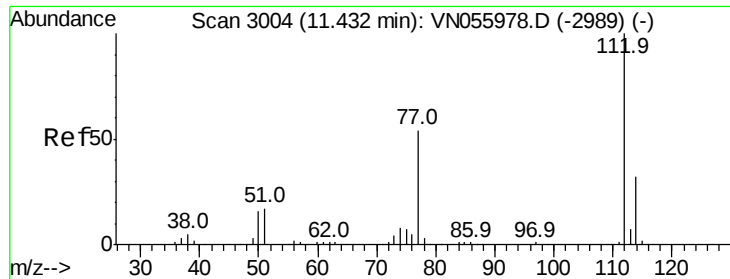
MMDadoda
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#64
Tetrachloroethene
Concen: 45.849 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.0	154.6
129	86.4	70.6	105.8
131	83.7	68.6	102.8





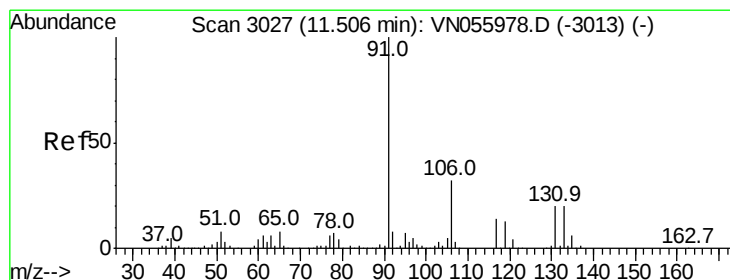
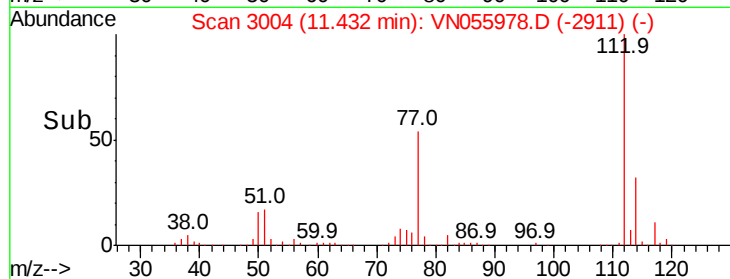
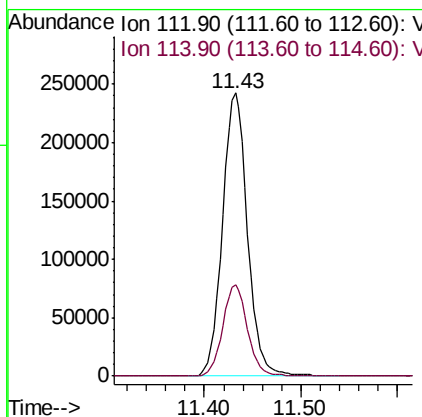
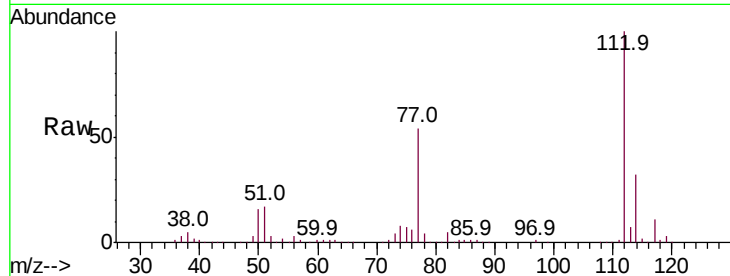
#65
Chlorobenzene
Concen: 49.194 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 433591
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

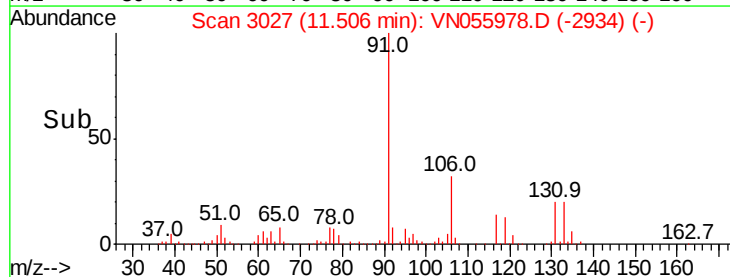
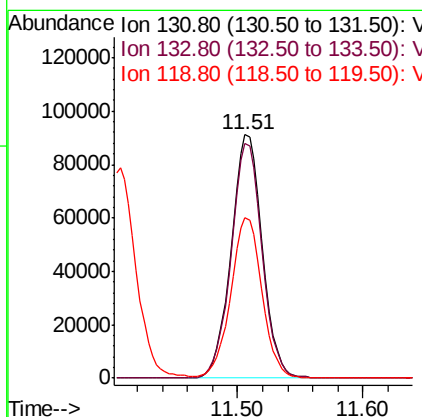
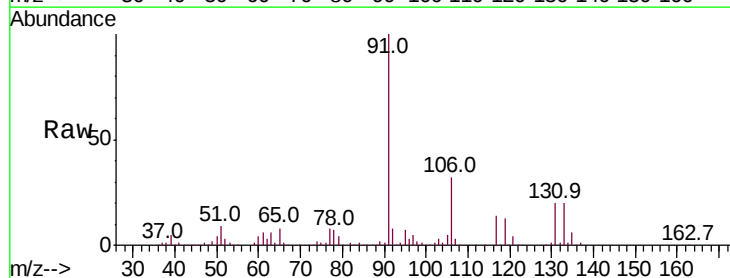
Manual Integrations
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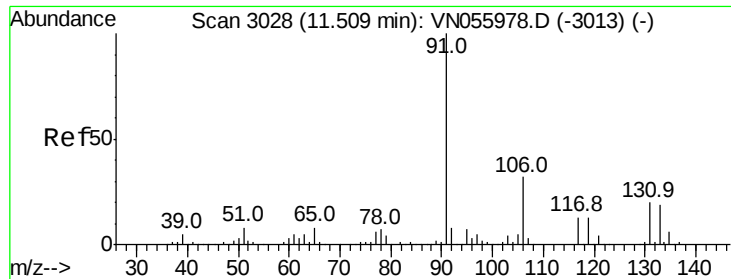
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.929 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion:131 Resp: 156330
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.5 33.1 99.5





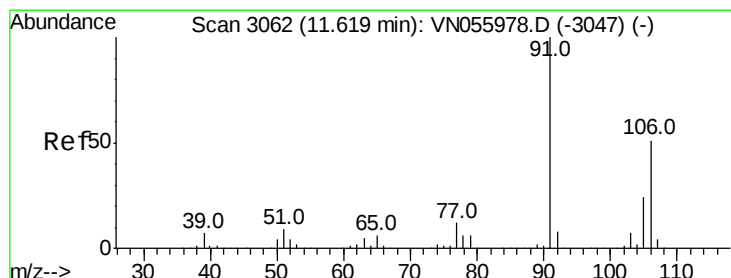
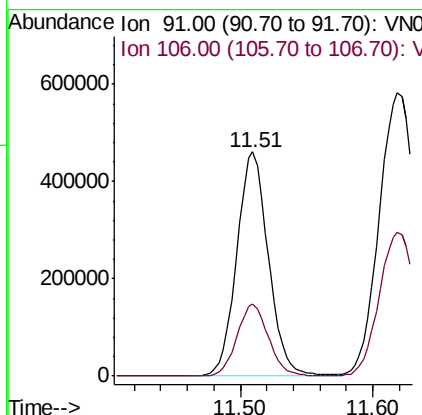
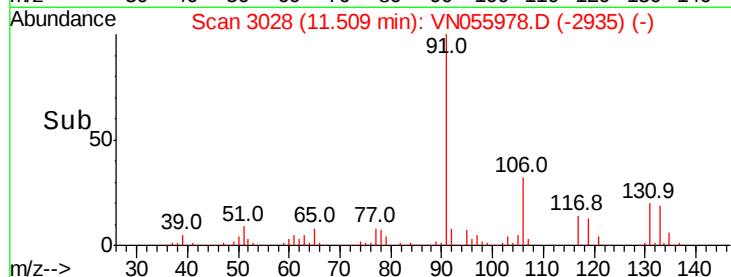
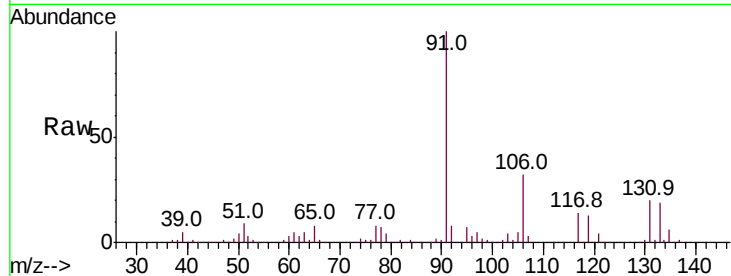
#67
Ethyl Benzene
Concen: 50.611 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 764170
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

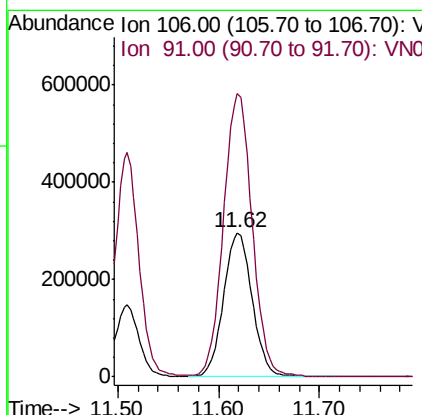
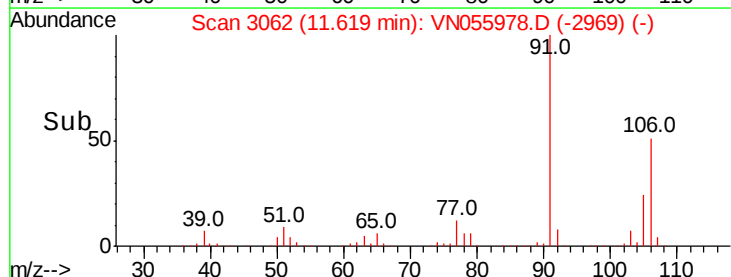
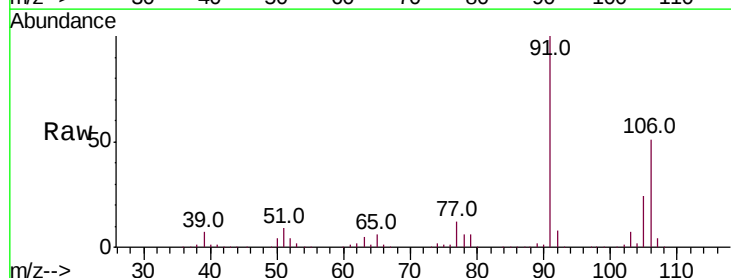
Manual Integrations
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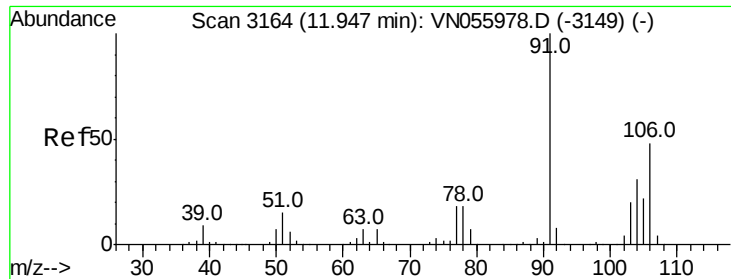
MMDadoda
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#68
m/p-Xylenes
Concen: 103.366 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion: 106 Resp: 588920
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





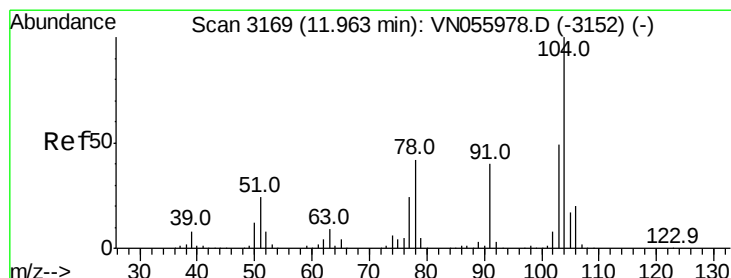
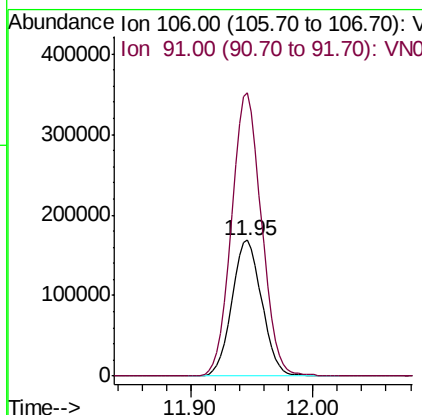
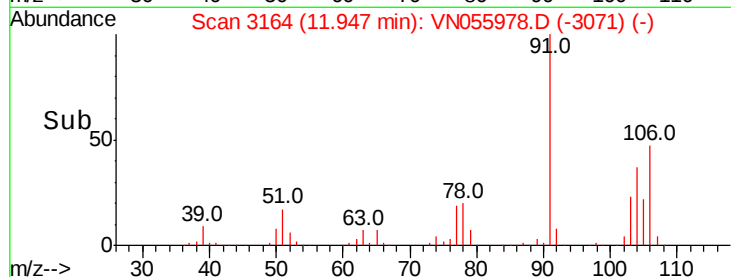
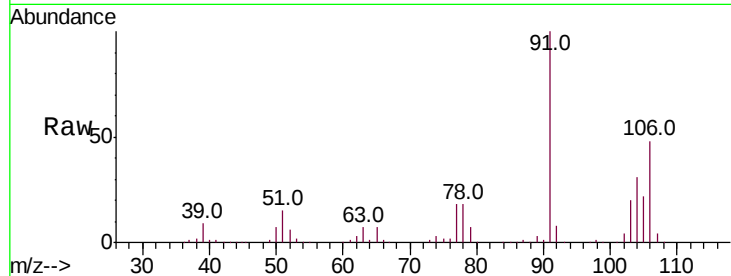
#69
o-Xylene
Concen: 50.835 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 288446
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

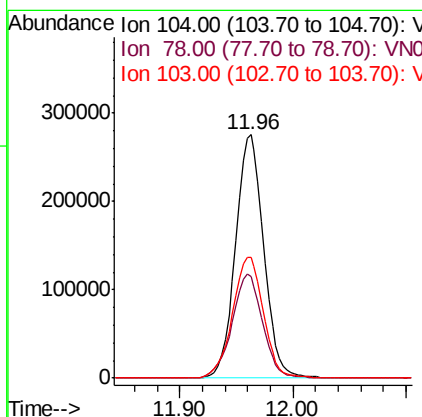
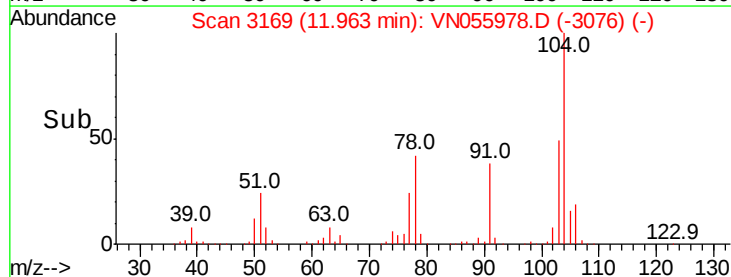
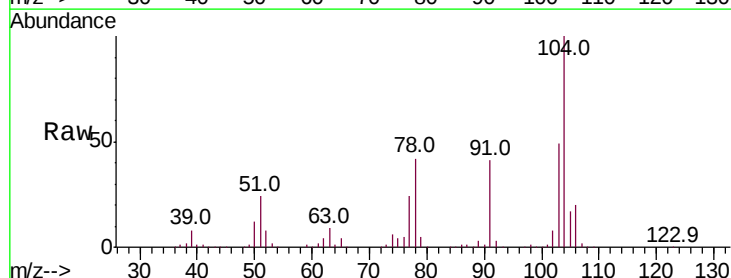
Manual Integrations
APPROVED

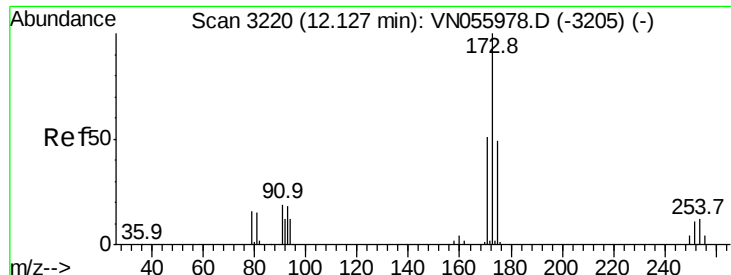
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#70
Styrene
Concen: 57.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion:104 Resp: 478541
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.6 44.2 66.2





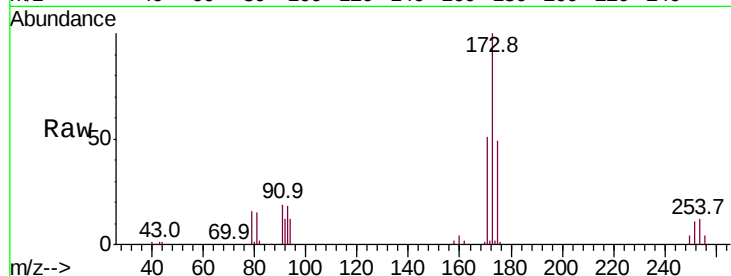
#71
Bromoform
Concen: 66.458 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

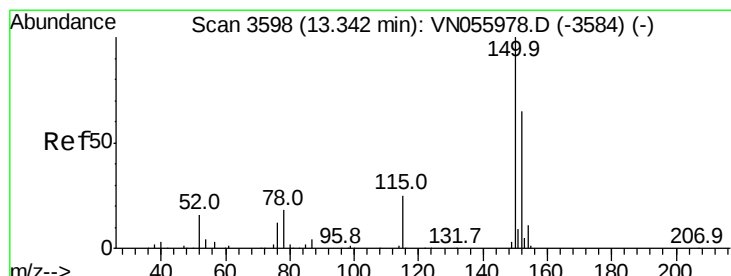
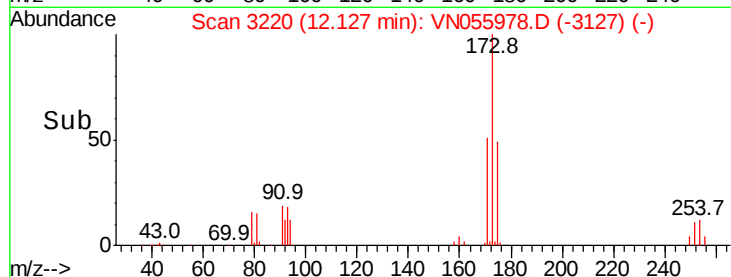
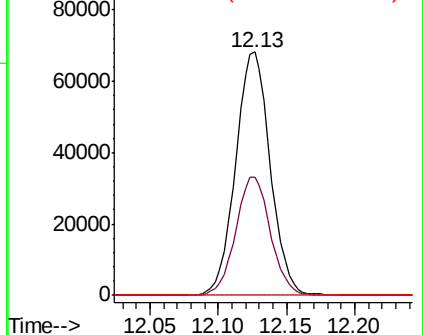
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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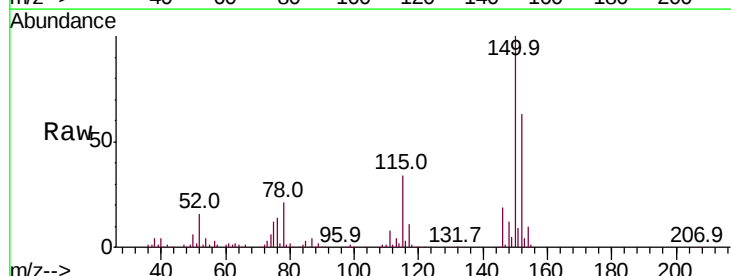


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

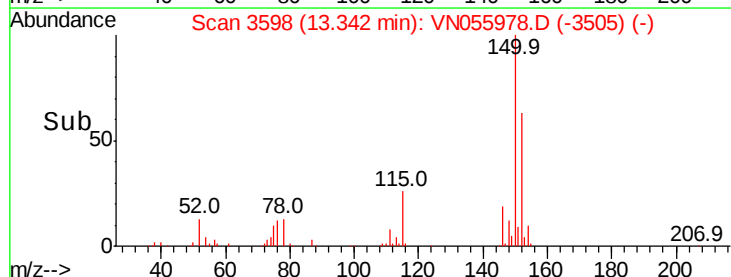
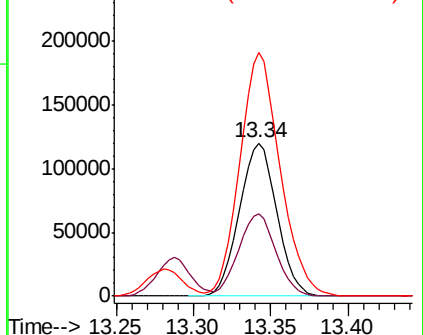


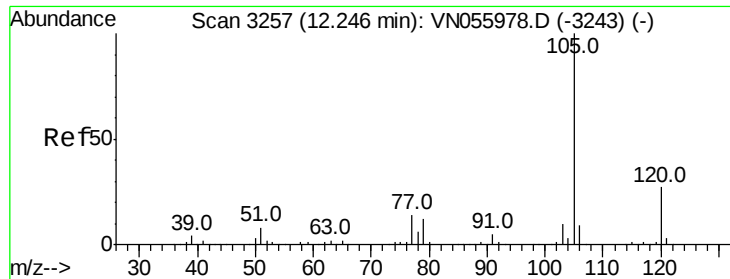
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.0	81.0
150	171.3	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 40.936 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 752432

Ion Ratio Lower Upper

105 100

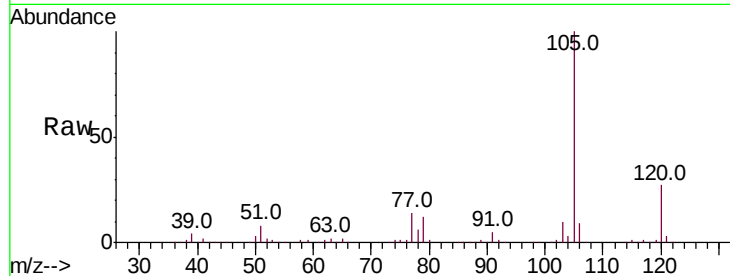
120 27.4 13.6 40.7

Manual Integrations

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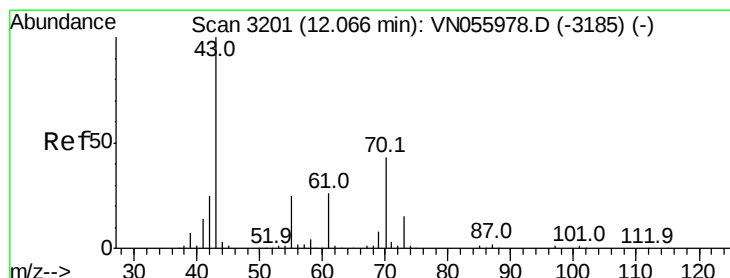
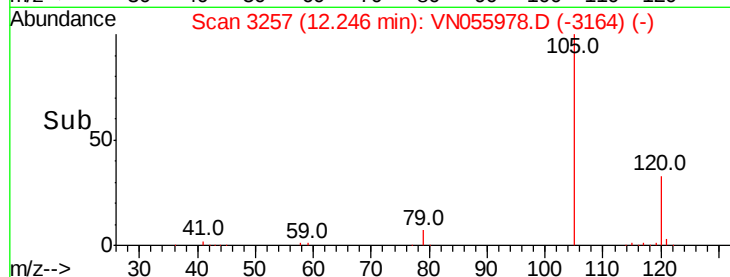
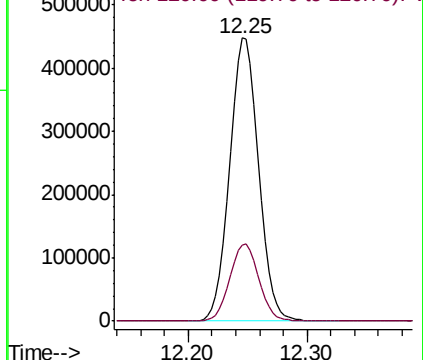
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.919 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Tgt Ion: 43 Resp: 261507

Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 24.8 18.6 28.0

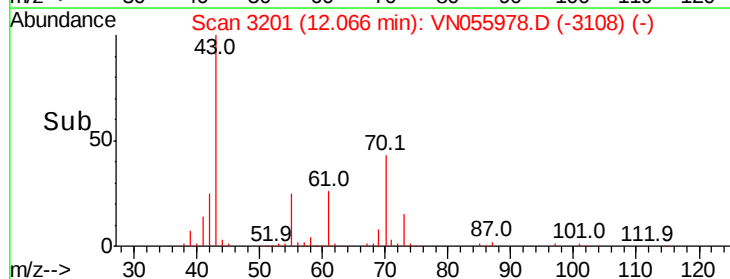
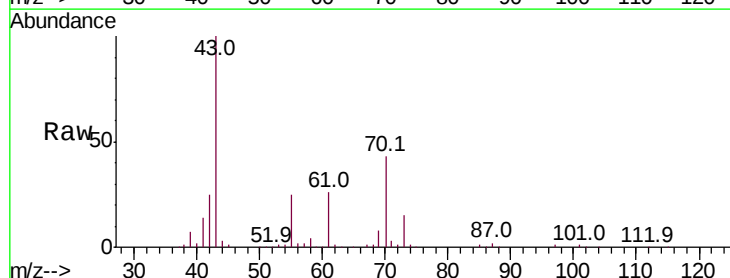
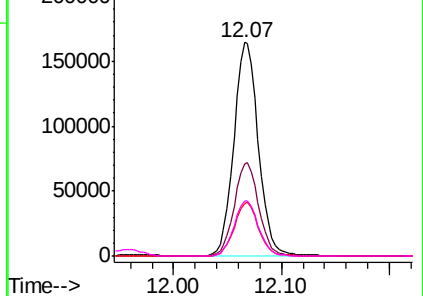
61 25.7 20.0 30.0

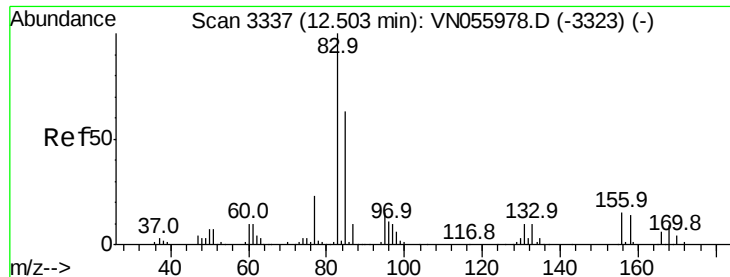
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.149 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055978.D

Acq: 4 Jun 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 220069

Ion Ratio Lower Upper

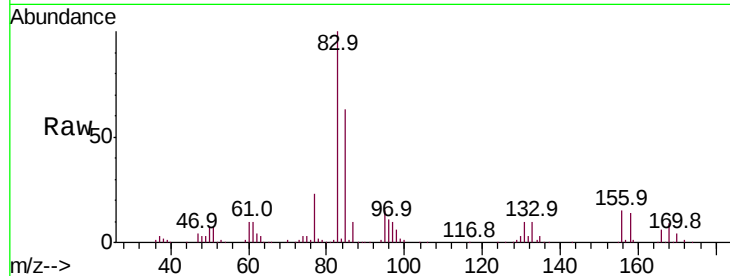
83 100

131 10.7 5.4 16.2

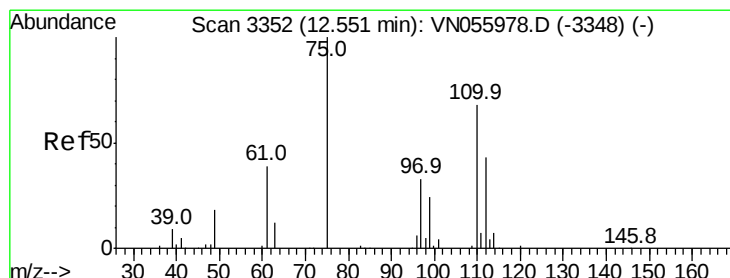
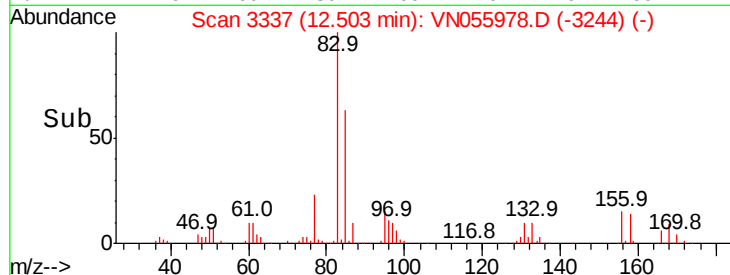
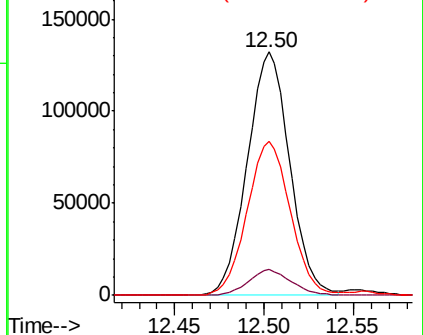
85 64.5 32.4 97.0

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



#76

1,2,3-Trichloropropane

Concen: 40.766 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN055978.D

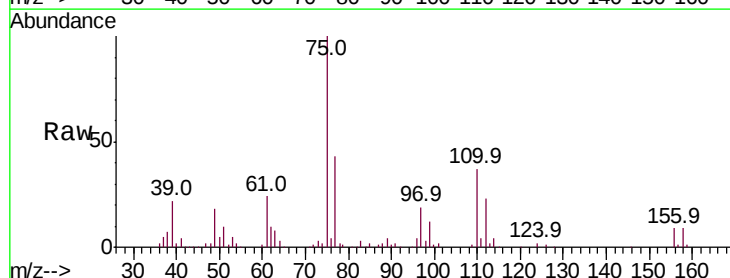
Acq: 4 Jun 2019 9:37

Tgt Ion: 75 Resp: 176077

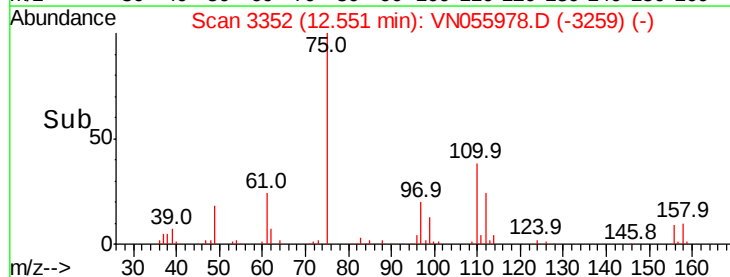
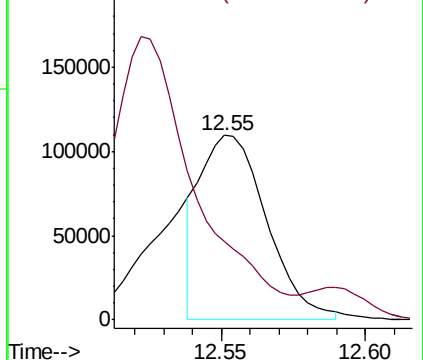
Ion Ratio Lower Upper

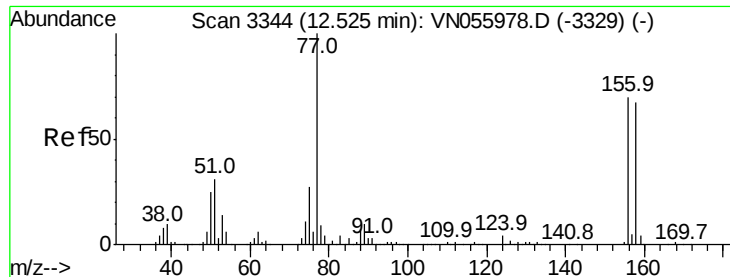
75 100

77 0.0 0.0 0.0



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





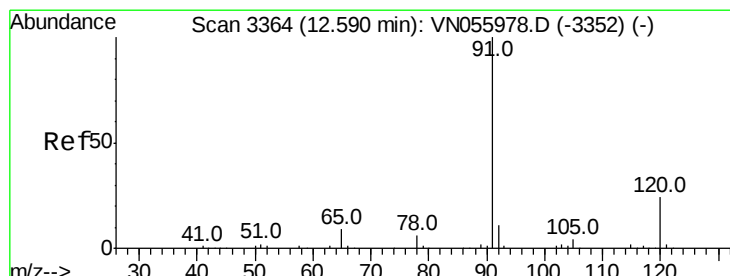
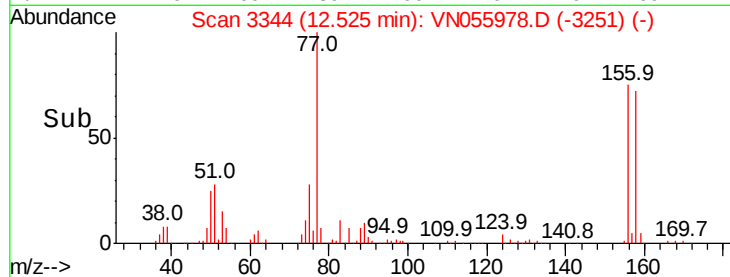
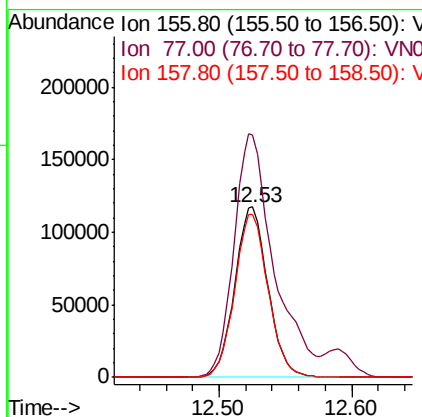
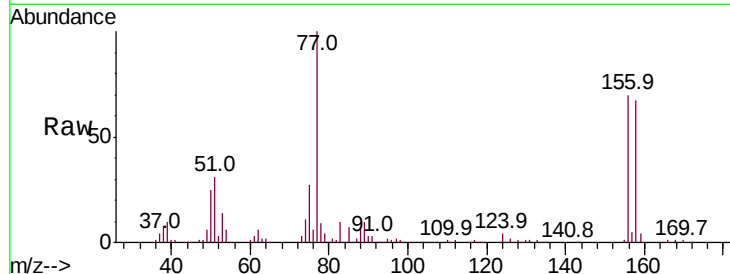
#77
Bromobenzene
Concen: 43.018 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.7	90.8	272.5
158	96.6	49.3	147.8

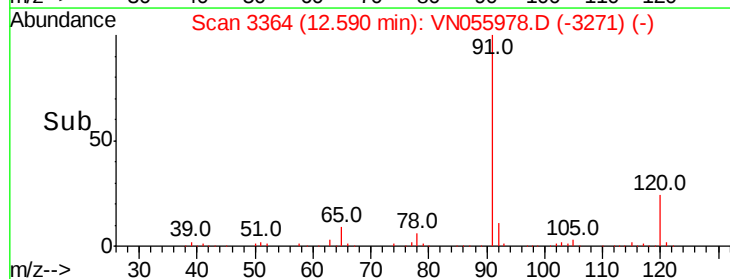
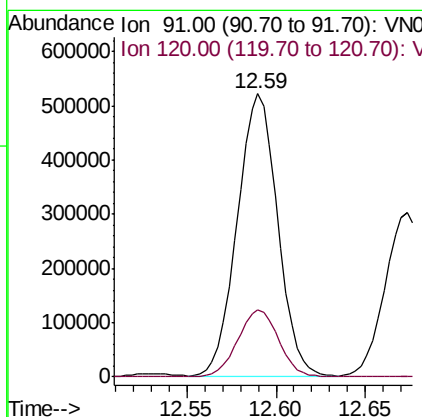
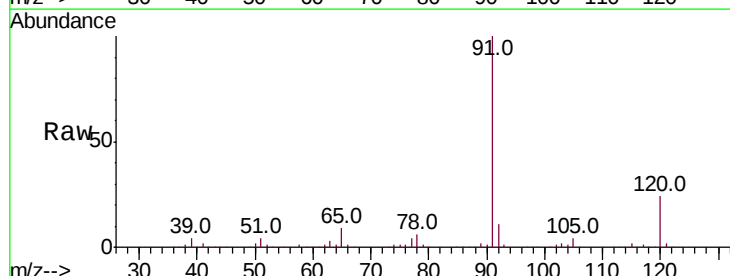
Manual Integrations
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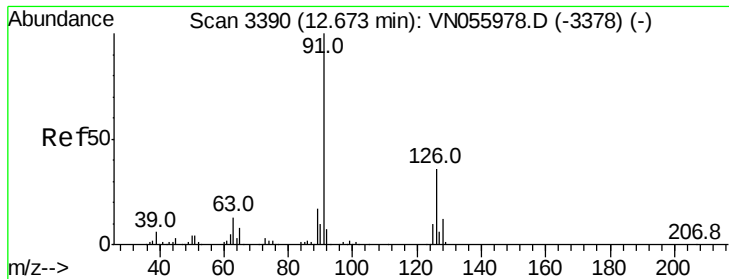
MMDadoda
6/5/2019 4:03:35 PM



#78
n-propylbenzene
Concen: 44.615 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





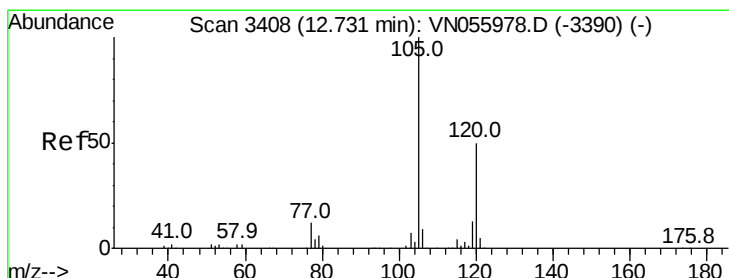
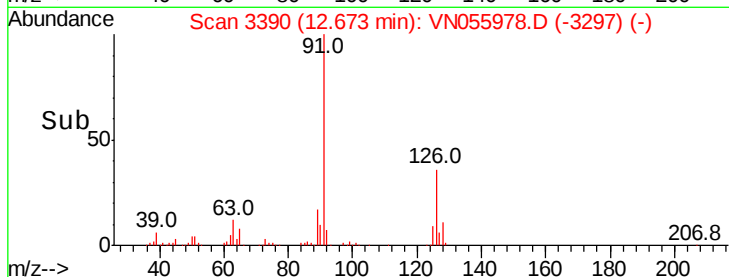
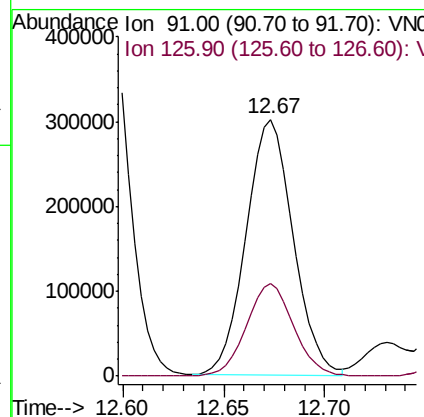
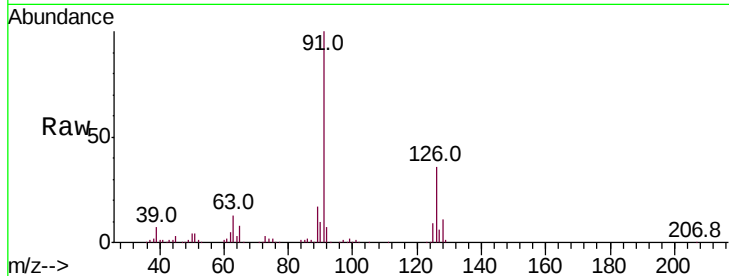
#79
2-Chlorotoluene
Concen: 40.895 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4

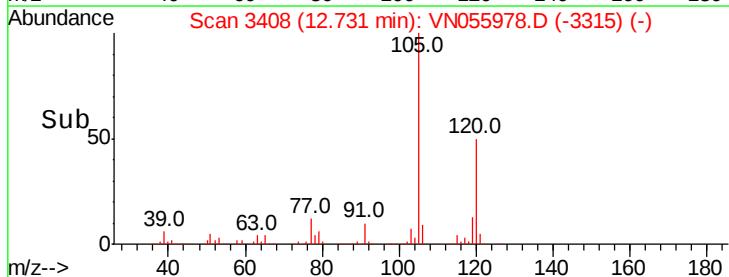
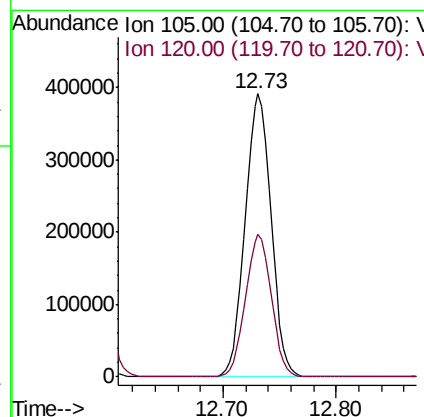
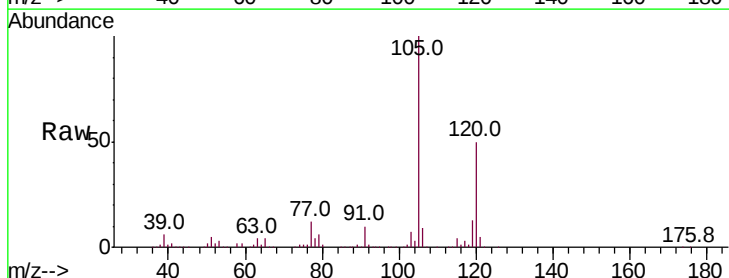
Manual Integrations
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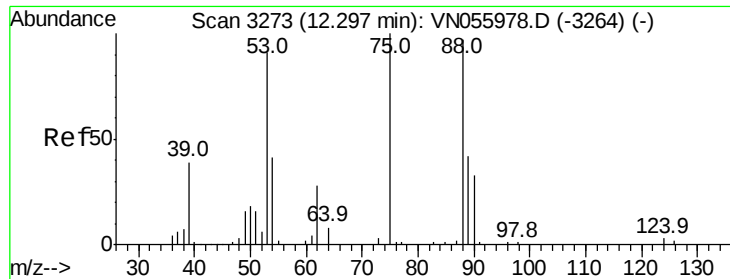
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#80
1,3,5-Trimethylbenzene
Concen: 41.362 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.7	74.1





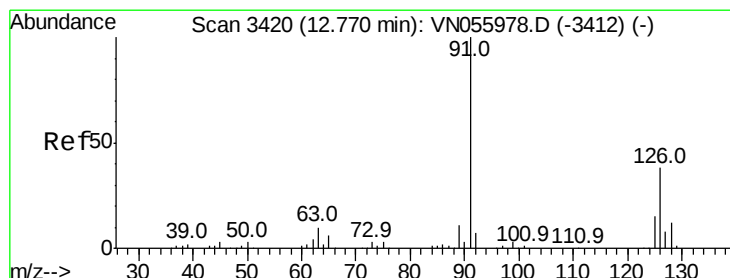
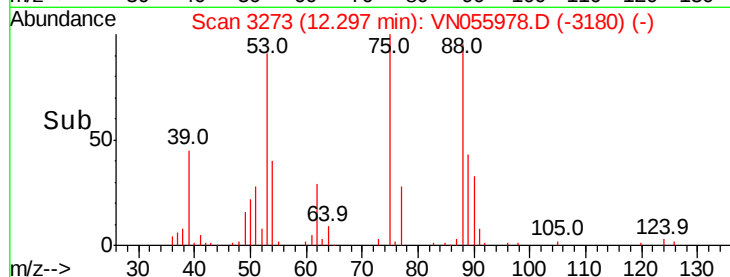
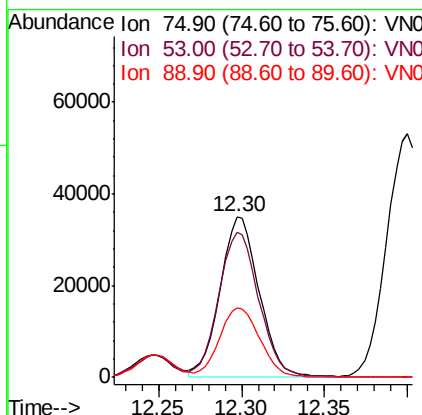
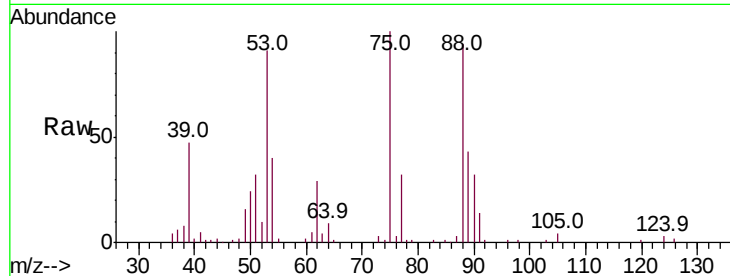
#81
trans-1,4-Dichloro-2-butene
Concen: 59.054 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	68.1	102.1
89	44.4	36.9	55.3

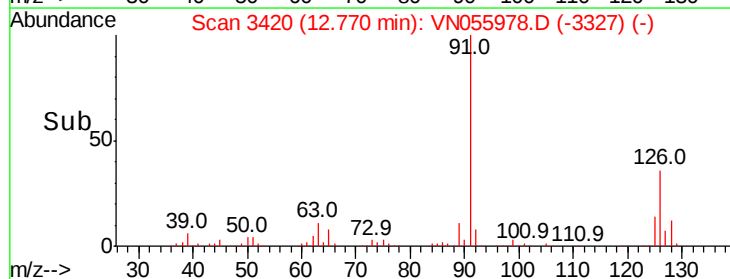
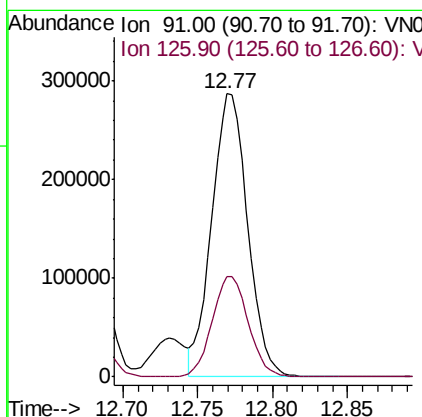
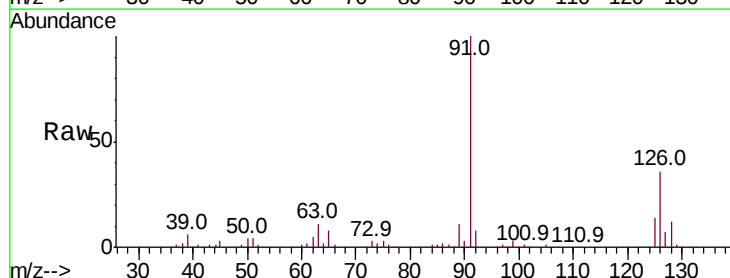
Manual Integrations
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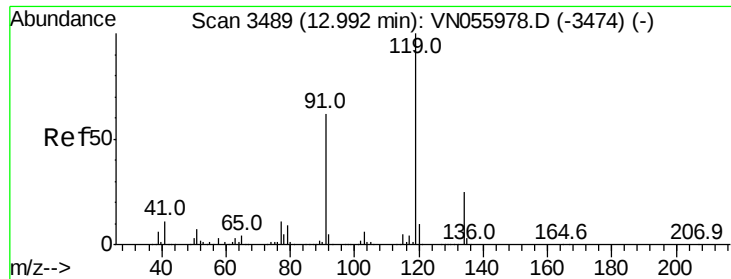
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#82
4-Chlorotoluene
Concen: 45.281 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





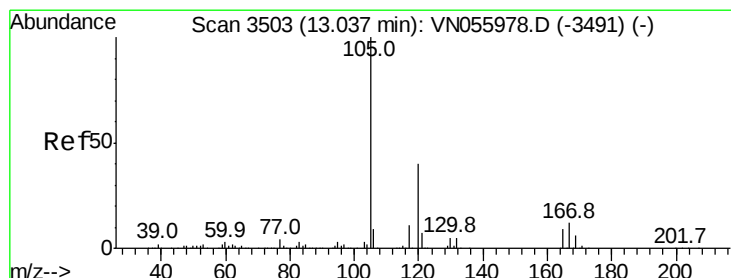
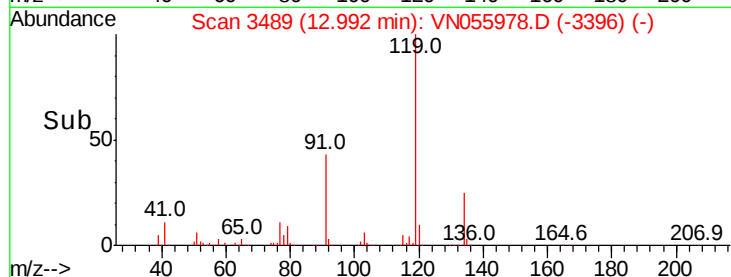
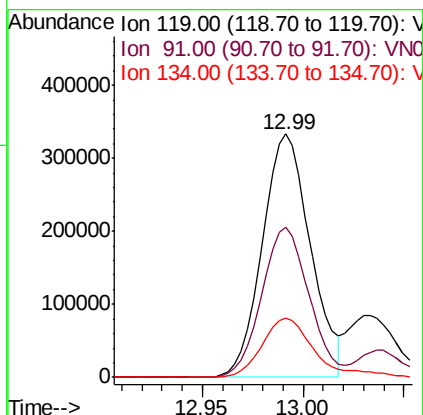
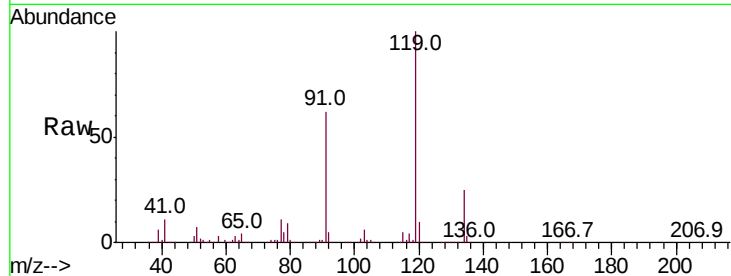
#83
tert-Butylbenzene
Concen: 40.334 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.9	92.8
134	26.6	13.3	39.8

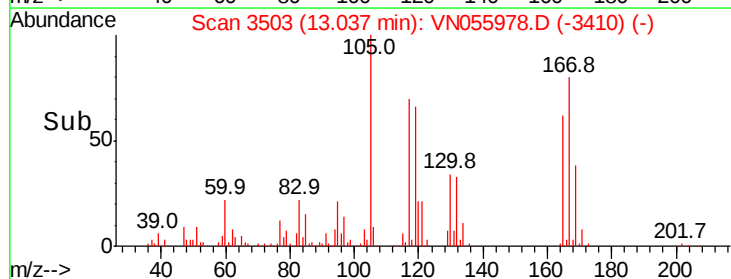
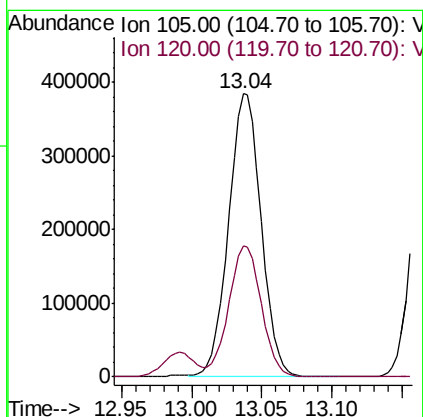
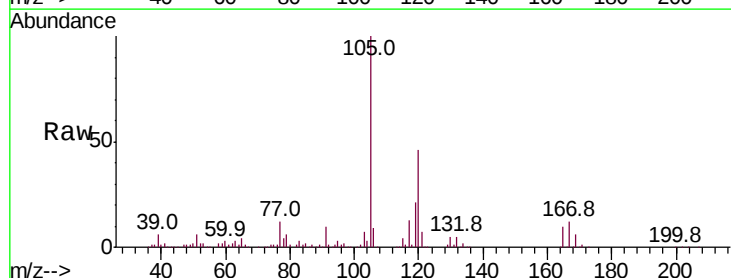
Manual Integrations
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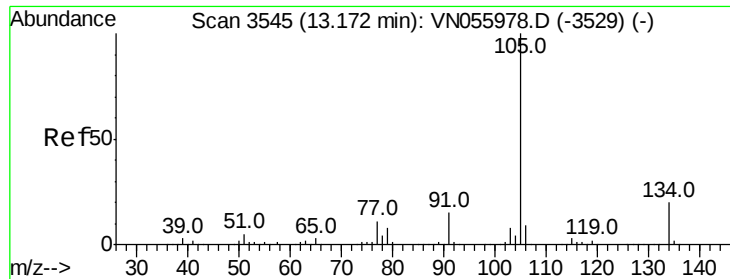
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#84
1,2,4-Trimethylbenzene
Concen: 45.164 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





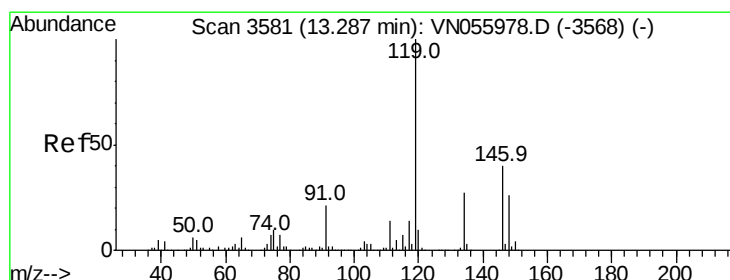
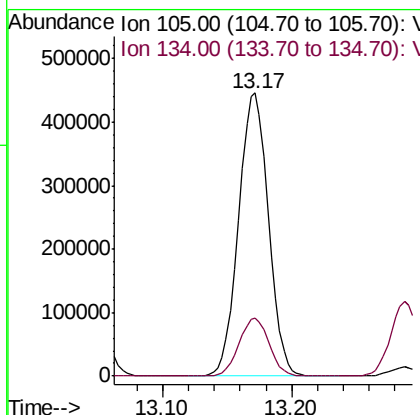
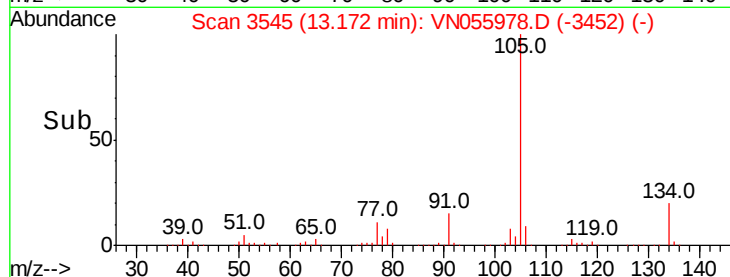
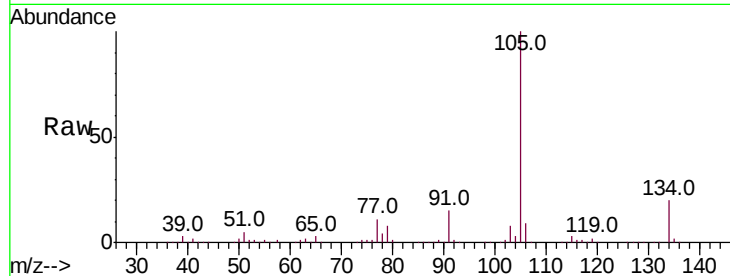
#85
 sec-Butylbenzene
 Concen: 43.282 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.2

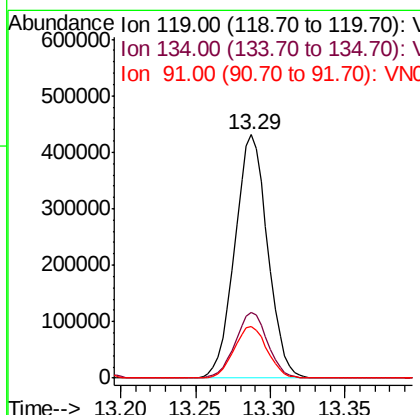
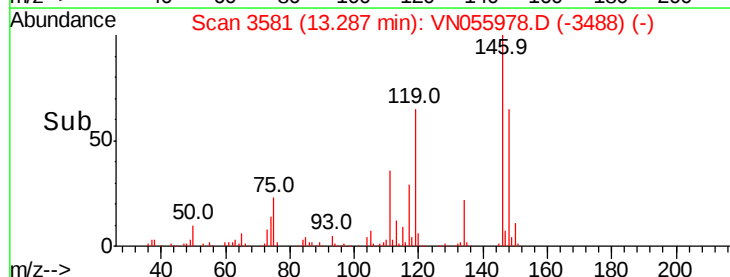
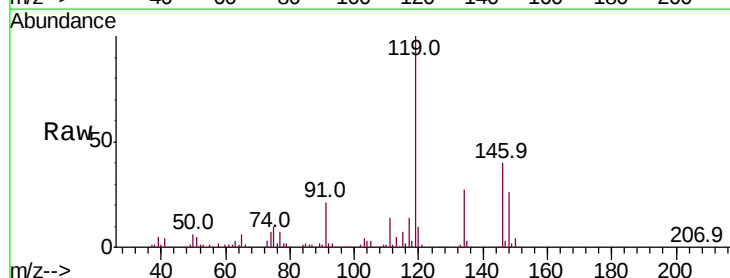
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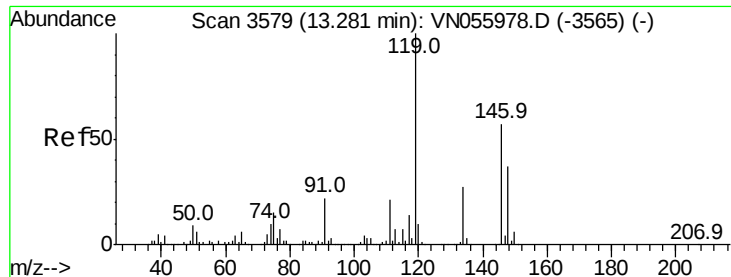
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#86
 p-Isopropyltoluene
 Concen: 45.638 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	21.4	10.9	32.9





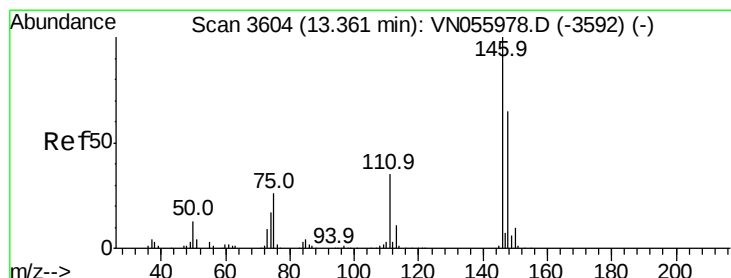
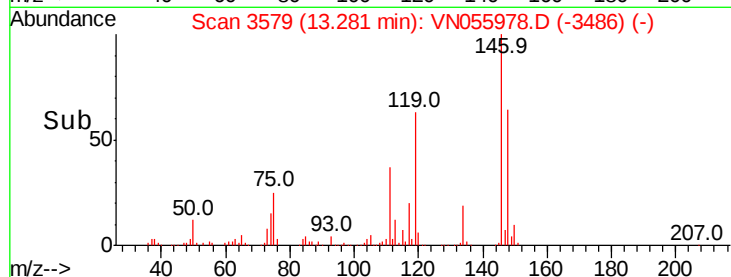
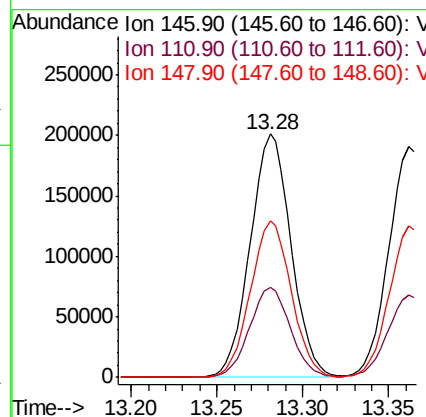
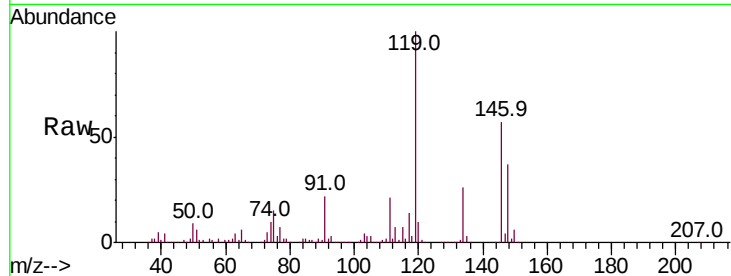
#87
 1,3-Dichlorobenzene
 Concen: 48.319 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.4	32.0	96.2

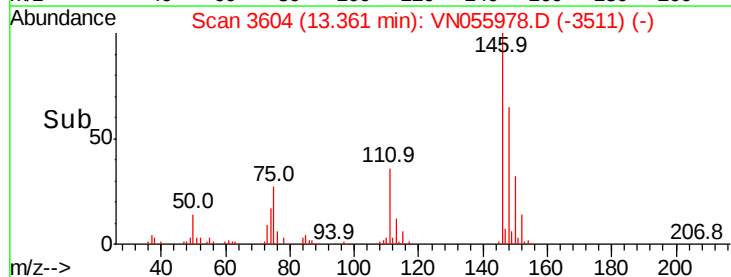
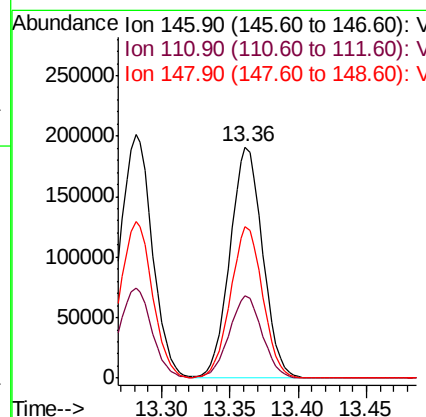
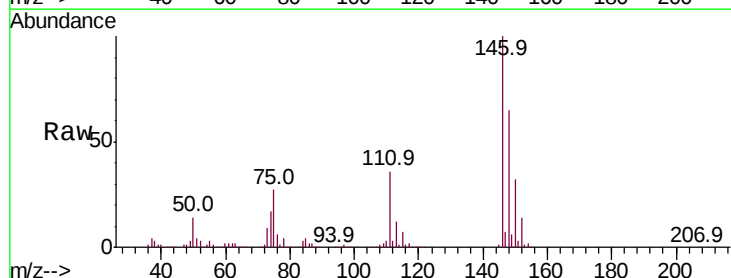
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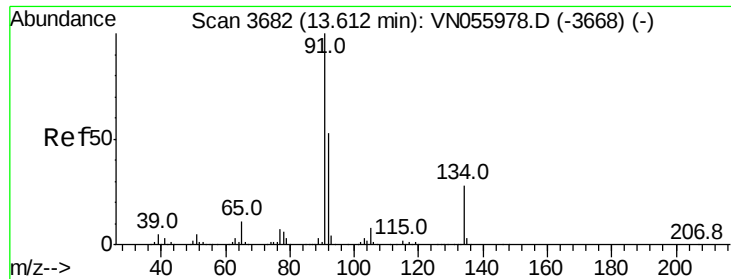
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#88
 1,4-Dichlorobenzene
 Concen: 48.597 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.8	32.1	96.5





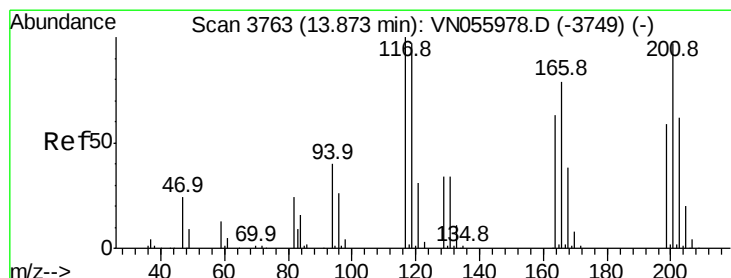
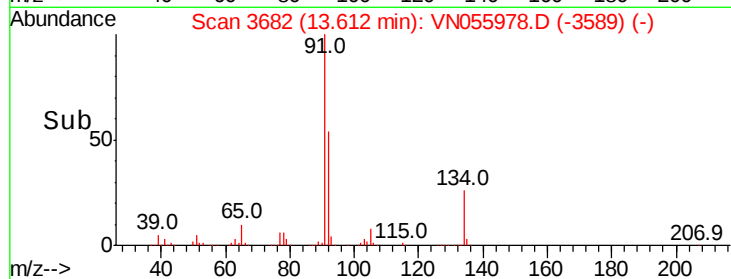
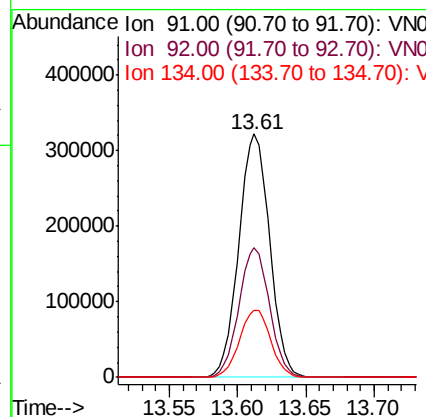
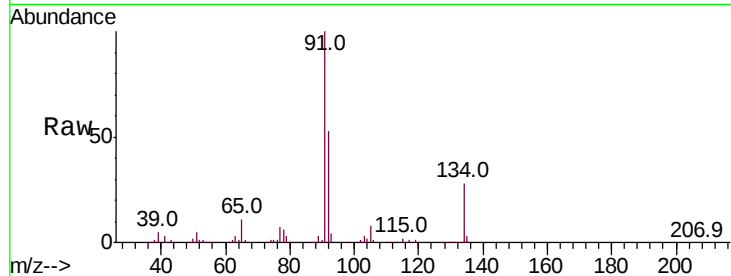
#89
n-Butylbenzene
Concen: 51.456 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.9	13.9	41.7

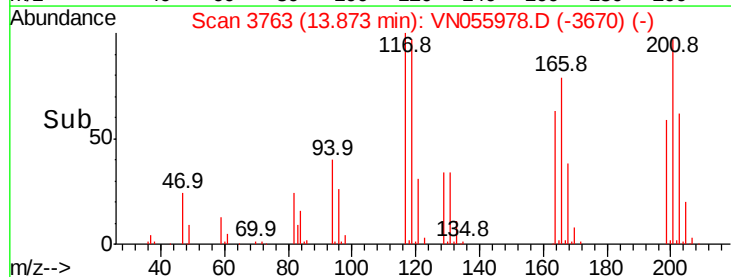
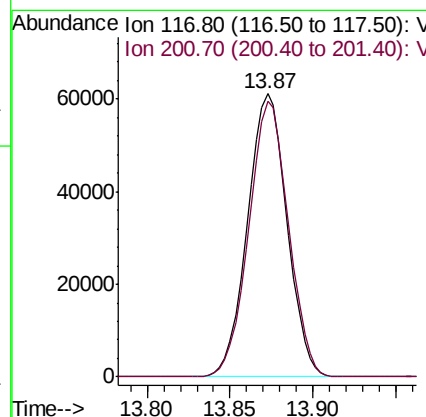
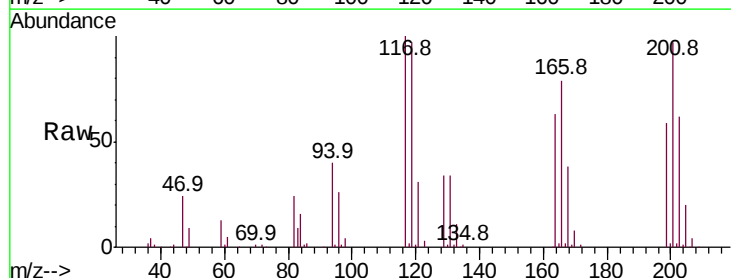
Manual Integrations
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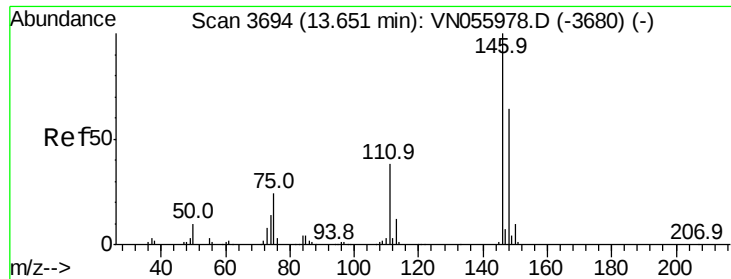
MMDadoda
6/5/2019 4:03:35 PM



#90
Hexachloroethane
Concen: 49.153 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	50.0	150.0





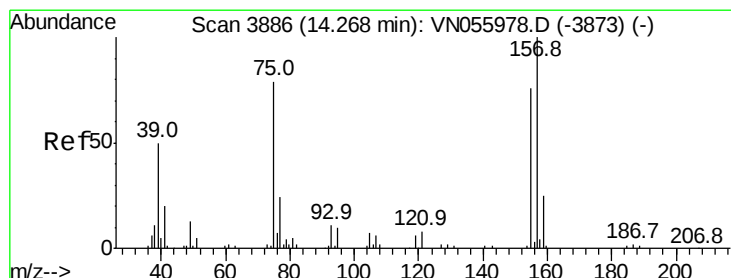
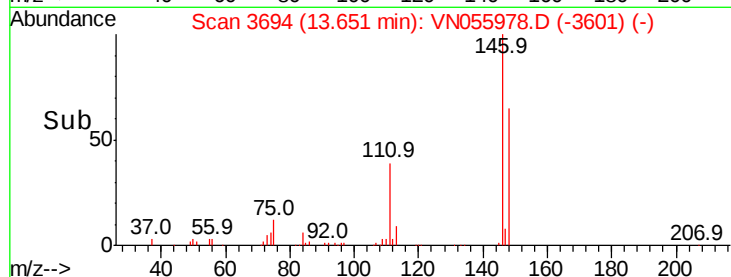
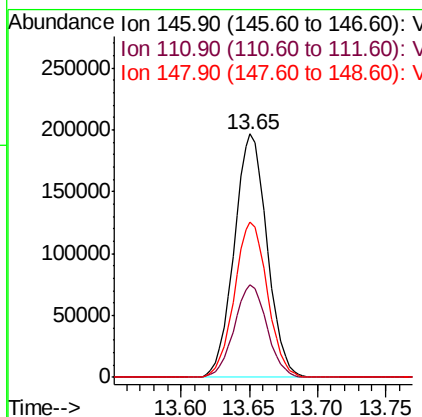
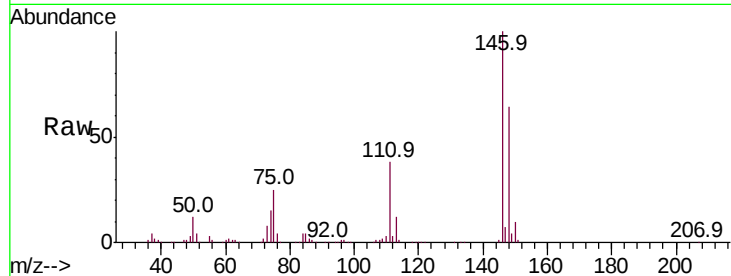
#91
 1,2-Dichlorobenzene
 Concen: 46.138 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	64.2	31.9	95.9

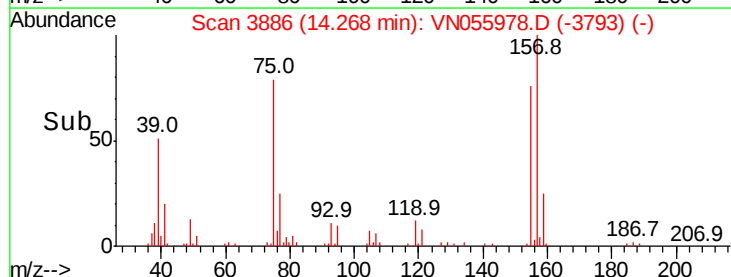
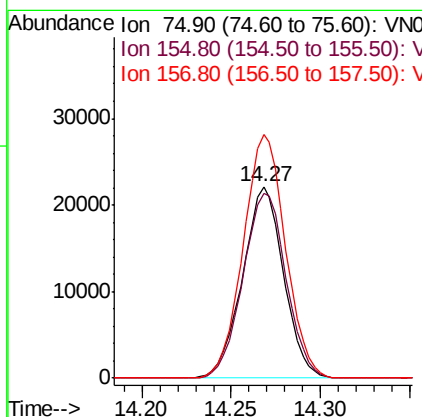
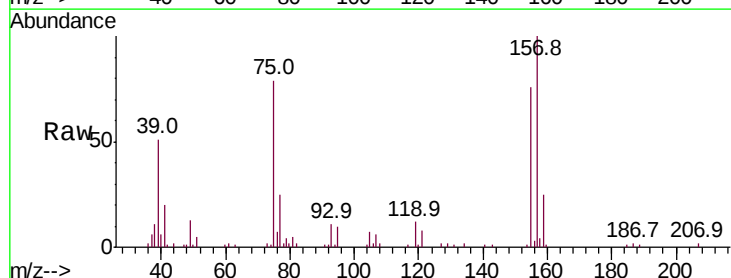
Manual Integrations
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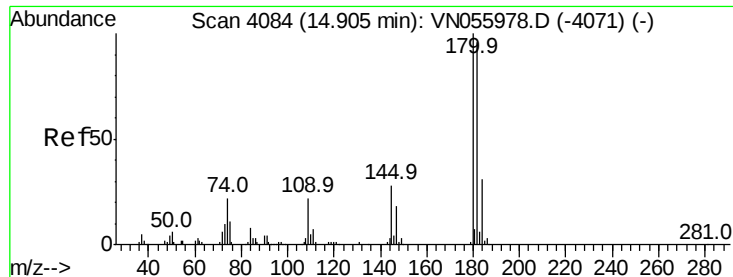
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.202 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	50.0	150.1
157	130.9	64.8	194.3





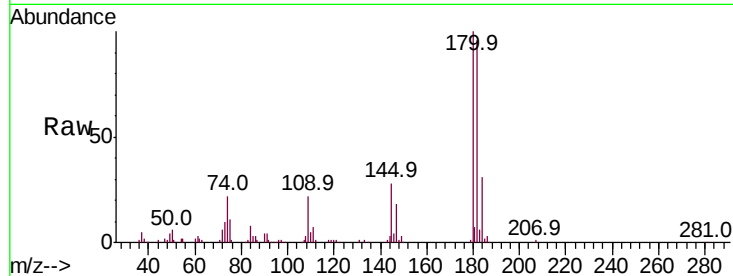
#93
 1,2,4-Trichlorobenzene
 Concen: 66.180 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

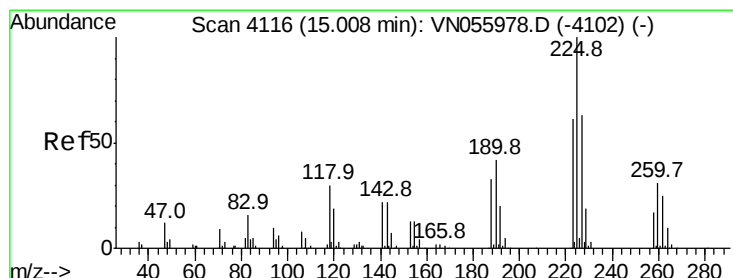
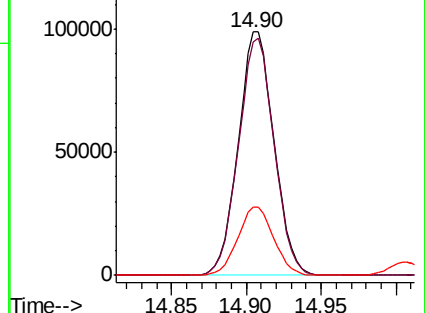
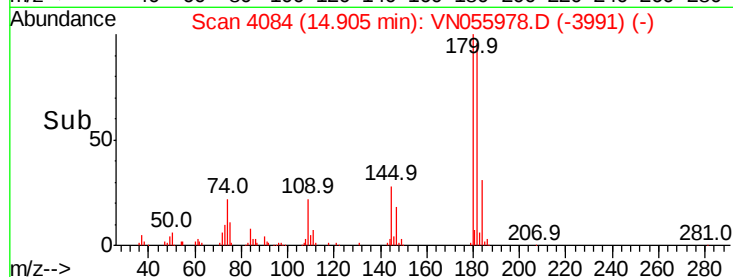
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	48.3	144.9	
145	28.1	14.0	41.9	

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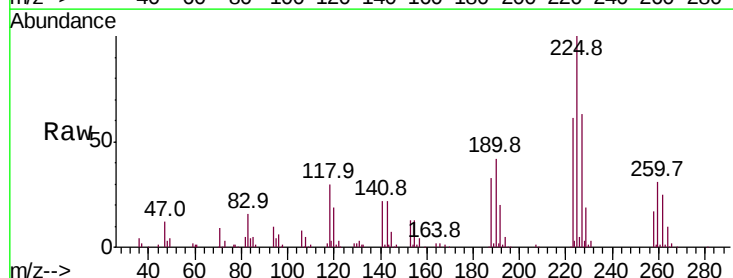


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

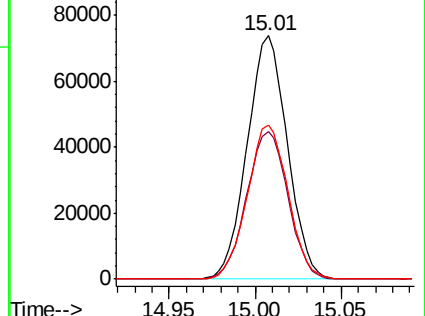
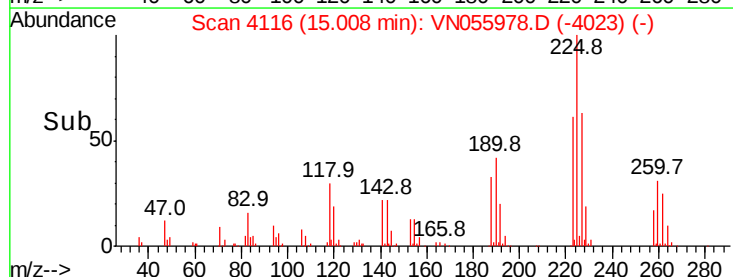


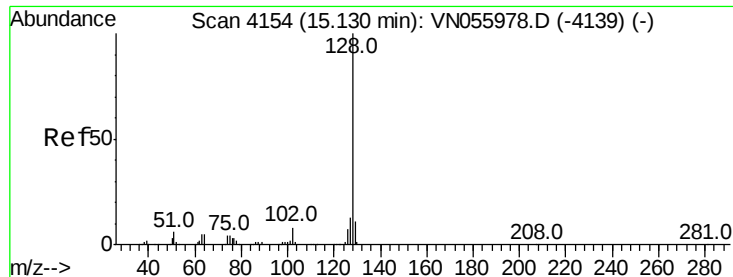
#94
 Hexachlorobutadiene
 Concen: 40.384 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055978.D
 Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	30.9	92.7	
227	63.9	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





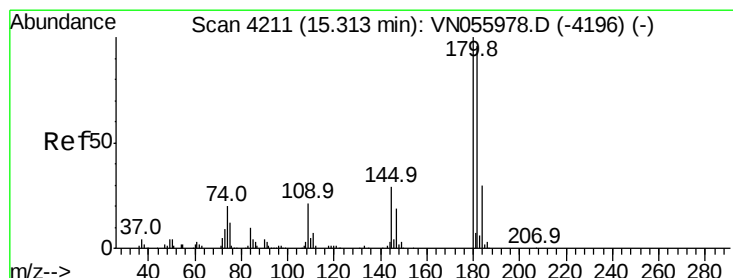
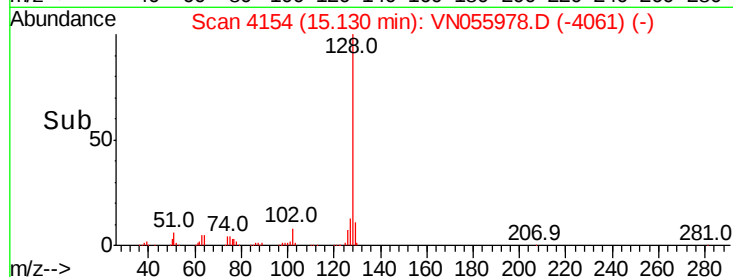
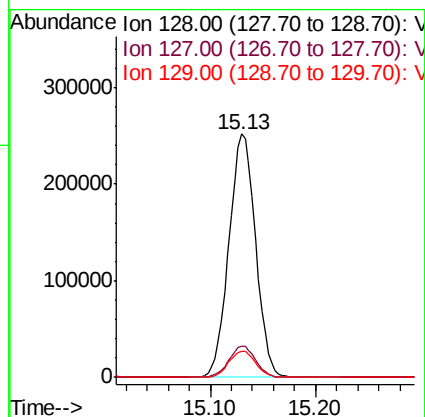
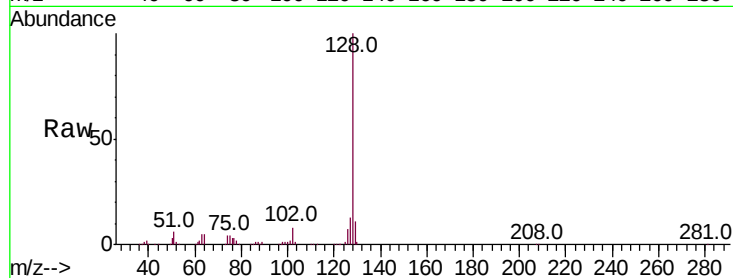
#95
Naphthalene
Concen: 68.916 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 62.680 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055978.D
Acq: 4 Jun 2019 9:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	29.2	14.9	44.7

