

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055981.D
 Acq On : 4 Jun 2019 10:52
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:50 PM

Quant Time: Jun 04 11:12:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	333620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	490379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	443874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167345	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	154367	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	593274	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	203951	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	185484	50.603	ug/l	99
3) Chloromethane	2.06	50	194298	53.726	ug/l	99
4) Vinyl Chloride	2.19	62	193765	53.414	ug/l	99
5) Bromomethane	2.54	94	126515	55.209	ug/l	99
6) Chloroethane	2.69	64	112315	53.400	ug/l	99
7) Trichlorofluoromethane	3.01	101	237335	51.248	ug/l	98
8) Diethyl Ether	3.40	74	96400	50.618	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	146969	52.243	ug/l	99
10) Methyl Iodide	3.94	142	219183	49.028	ug/l	99
11) Tert butyl alcohol	4.81	59	142986	248.042	ug/l	100
12) 1,1-Dichloroethene	3.72	96	145924	52.103	ug/l	97
13) Acrolein	3.60	56	43459	261.400	ug/l	94
14) Allyl chloride	4.31	41	233649	52.833	ug/l	99
15) Acrylonitrile	4.99	53	373192	265.946	ug/l	100
16) Acetone	3.82	43	383310	241.943	ug/l	100
17) Carbon Disulfide	4.04	76	374899	55.906	ug/l	99
18) Methyl Acetate	4.32	43	158619	50.981	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	459421	51.462	ug/l	100
20) Methylene Chloride	4.54	84	164297	50.336	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	157055	52.337	ug/l	97
22) Diisopropyl ether	5.95	45	463106	50.658	ug/l	99
23) Vinyl Acetate	5.89	43	1950841	270.980	ug/l	100
24) 1,1-Dichloroethane	5.84	63	268485	50.914	ug/l	100
25) 2-Butanone	6.84	43	523709	261.631	ug/l	100
26) 2,2-Dichloropropane	6.82	77	214940	52.235	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	180561	51.188	ug/l	97
28) Bromochloromethane	7.19	49	123078	49.354	ug/l	98
29) Tetrahydrofuran	7.21	42	321168	259.564	ug/l	98
30) Chloroform	7.37	83	272131	51.299	ug/l	100
31) Cyclohexane	7.65	56	256279	48.756	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	229309	51.764	ug/l	100
36) 1,1-Dichloropropene	7.79	75	207537	49.219	ug/l	99
37) Ethyl Acetate	6.93	43	198372	52.875	ug/l	100
38) Carbon Tetrachloride	7.77	117	196068	50.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260960	49.682	ug/l	98
40) Benzene	8.04	78	644303	50.310	ug/l	99
41) Methacrylonitrile	7.17	41	90120	52.209	ug/l	94
42) 1,2-Dichloroethane	8.12	62	200996	48.792	ug/l	99
43) Isopropyl Acetate	8.17	43	311635	51.260	ug/l	99
44) Trichloroethene	8.83	130	183266	49.801	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166403	50.727	ug/l	100
46) Dibromomethane	9.21	93	109751	51.164	ug/l	100
47) Bromodichloromethane	9.40	83	202740	52.148	ug/l	100
48) Methyl methacrylate	9.20	41	149207	50.166	ug/l	95
49) 1,4-Dioxane	9.20	88	66249	1031.731	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	970226	255.198	ug/l	99
52) Toluene	10.15	92	404163	50.716	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	220125	48.375	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	252675	54.069	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	160329	50.790	ug/l	99
56) Ethyl methacrylate	10.43	69	241299	52.396	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258630	50.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	423216	232.867	ug/l	99
59) 2-Hexanone	10.75	43	707663	256.819	ug/l	99
60) Dibromochloromethane	10.90	129	164967	47.512	ug/l	98
61) 1,2-Dibromoethane	11.00	107	166503	51.595	ug/l	99
64) Tetrachloroethene	10.63	164	178719	46.514	ug/l	100
65) Chlorobenzene	11.43	112	435952	49.349	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	157717	51.706	ug/l	99
67) Ethyl Benzene	11.51	91	761405	49.568	ug/l	99
68) m/p-Xylenes	11.62	106	585875	99.842	ug/l	100
69) o-Xylene	11.94	106	287041	49.729	ug/l	99
70) Styrene	11.96	104	481783	52.533	ug/l	99
71) Bromoform	12.12	173	120614	47.258	ug/l #	100
73) Isopropylbenzene	12.25	105	753844	51.685	ug/l	100
74) N-amyl acetate	12.07	43	267744	49.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	222201	46.704	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	177229m	46.997	ug/l	
77) Bromobenzene	12.52	156	204515	46.610	ug/l	97
78) n-propylbenzene	12.59	91	824628	47.561	ug/l	100
79) 2-Chlorotoluene	12.67	91	496778	51.737	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	630668	45.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58182	51.380	ug/l	94
82) 4-Chlorotoluene	12.77	91	491599	48.464	ug/l	100
83) tert-Butylbenzene	12.99	119	553419	51.864	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	619846	47.435	ug/l	99
85) sec-Butylbenzene	13.17	105	720300	46.911	ug/l	100
86) p-Isopropyltoluene	13.29	119	657696	47.861	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	339979	50.063	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	326518	49.982	ug/l	99
89) n-Butylbenzene	13.61	91	519716	51.054	ug/l	100
90) Hexachloroethane	13.87	117	102291	49.359	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	337314	49.197	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37097	54.515	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	184209	48.861	ug/l	99
94) Hexachlorobutadiene	15.01	225	124470	53.058	ug/l	99
95) Naphthalene	15.13	128	489094	49.902	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194585	50.502	ug/l	99

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

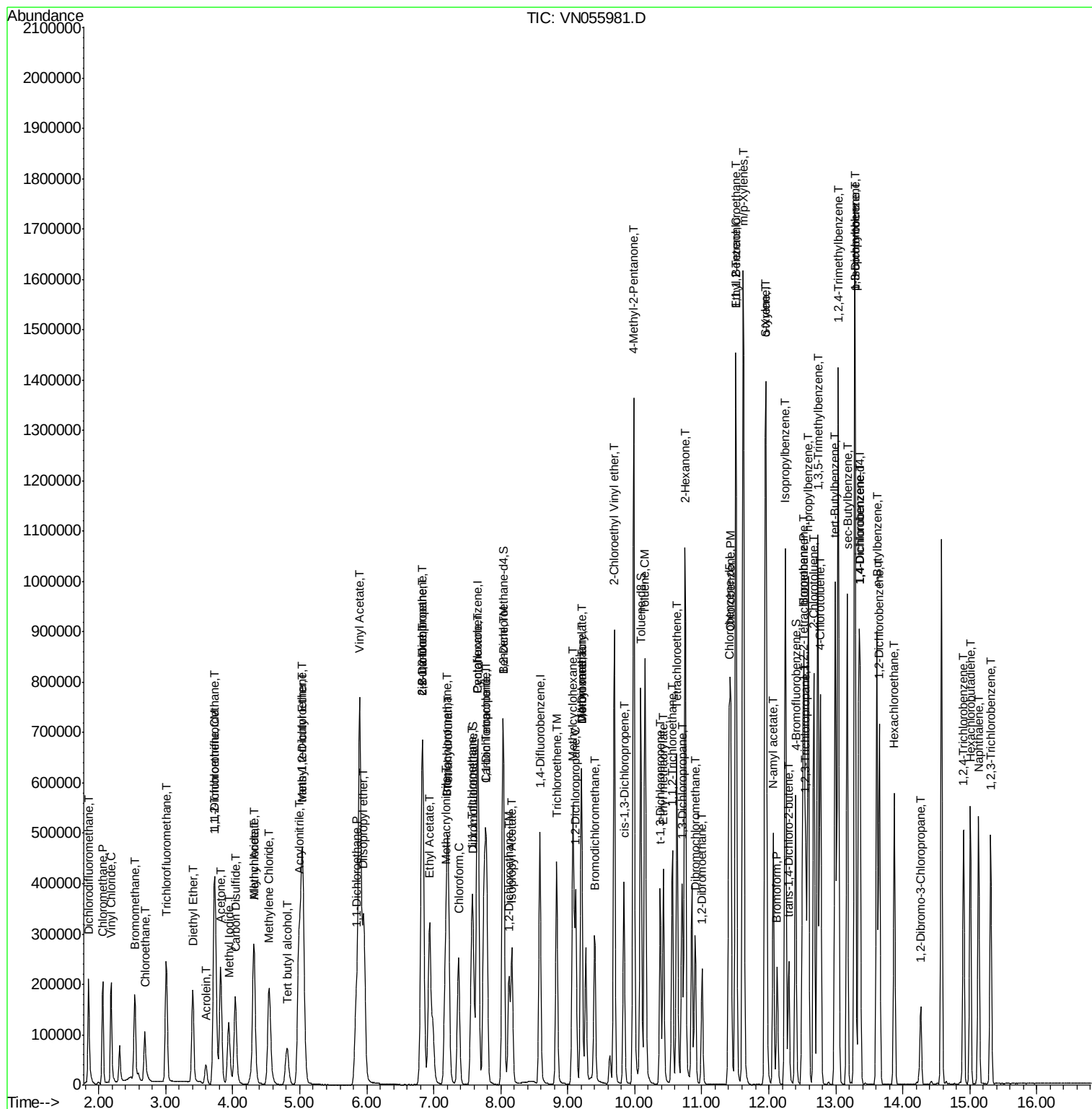
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060419\
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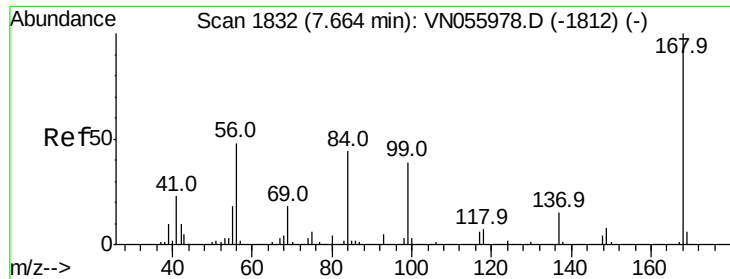
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICV060419

Tot Ion:168 Resp: 333620

Ion Ratio Lower Upper

168 100

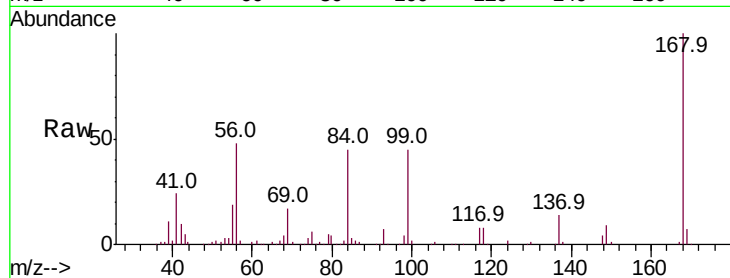
99 44.3 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

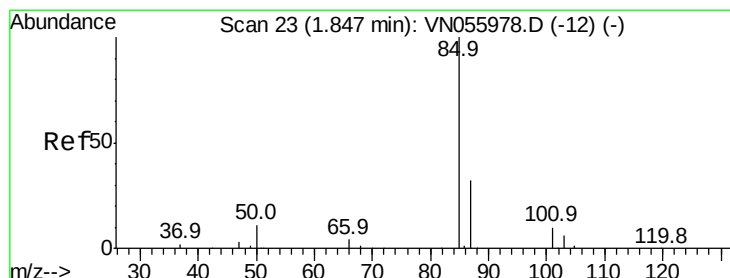
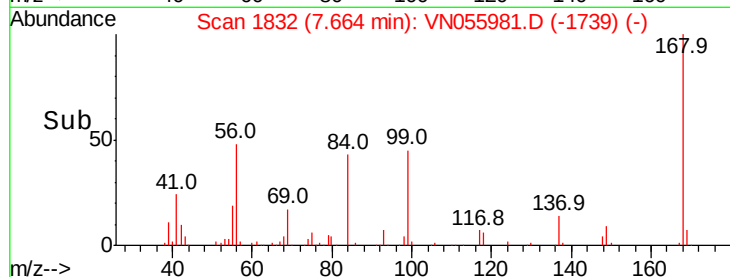
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.603 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055981.D

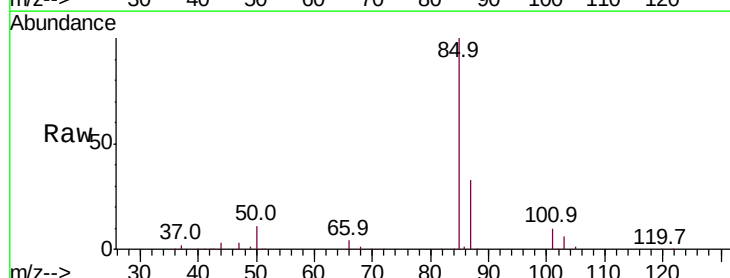
Acq: 4 Jun 2019 10:52

Tgt Ion: 85 Resp: 185484

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

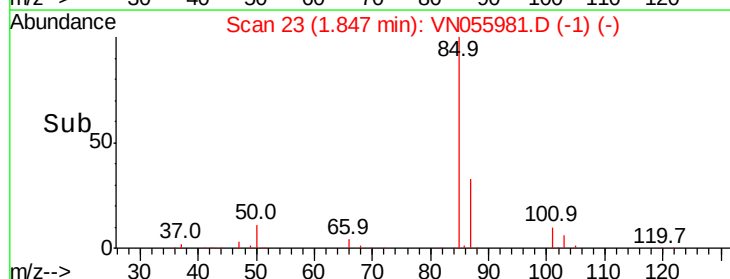
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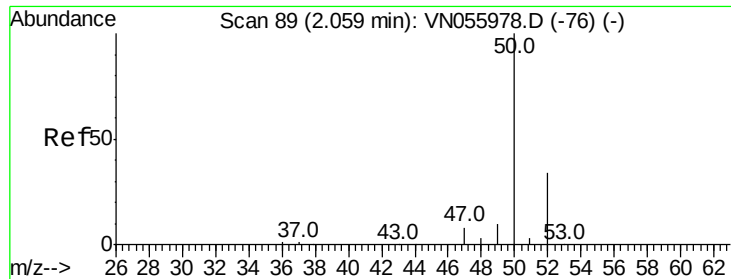
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.726 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 50 Resp: 194298

Ion Ratio Lower Upper

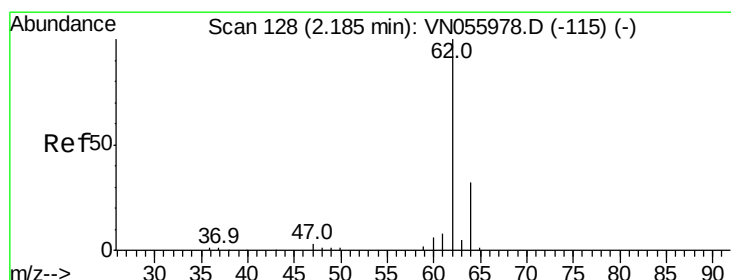
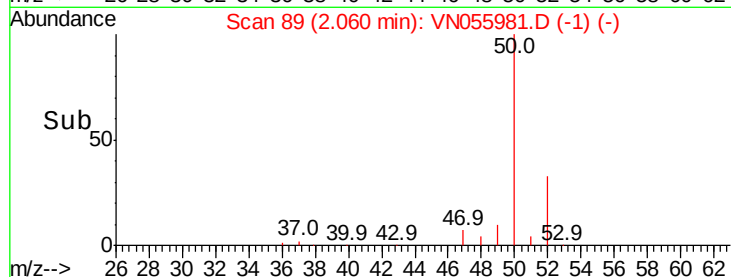
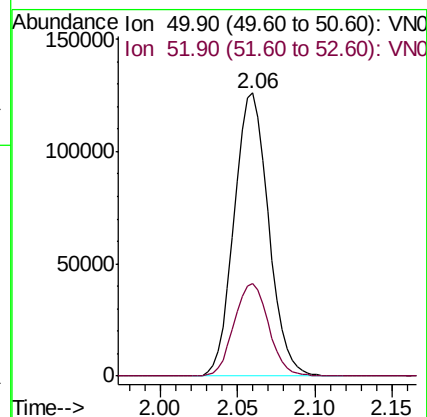
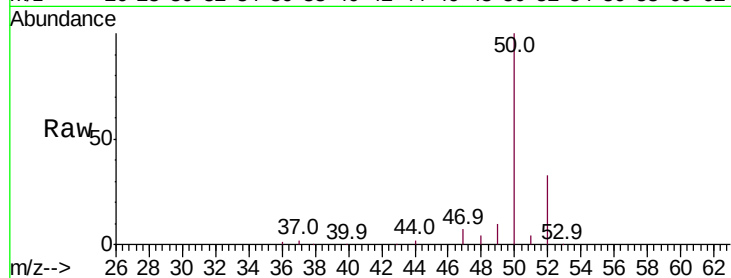
50 100

52 32.7 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 53.414 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055981.D

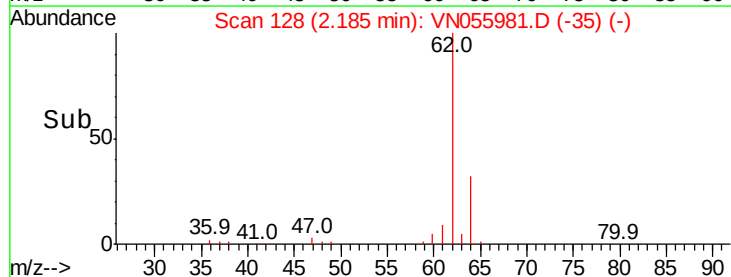
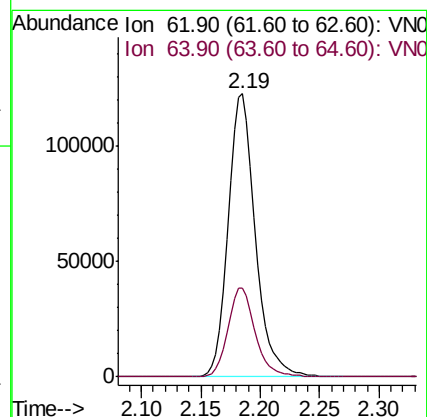
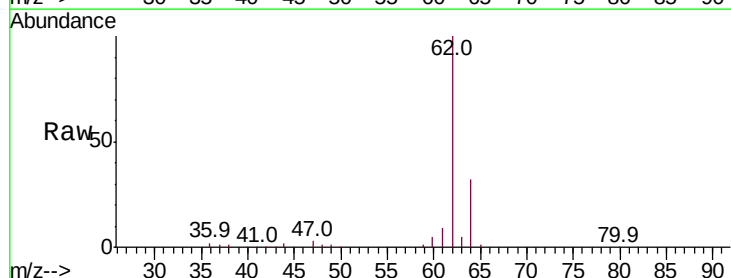
Acq: 4 Jun 2019 10:52

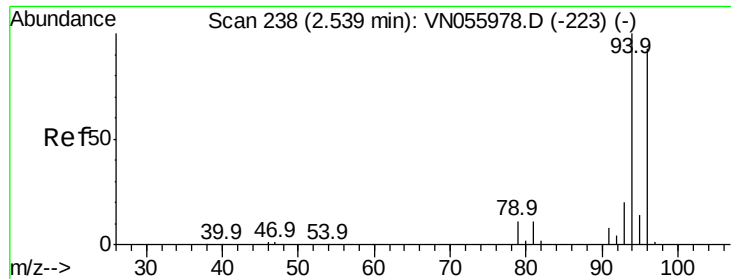
Tgt Ion: 62 Resp: 193765

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





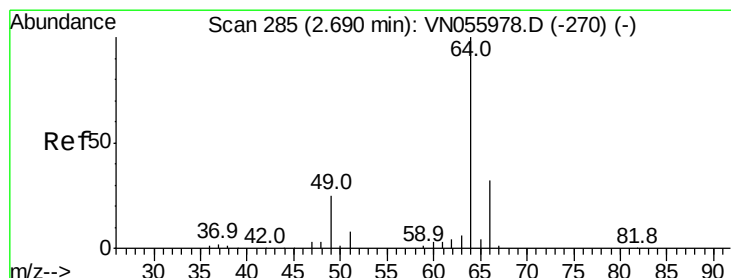
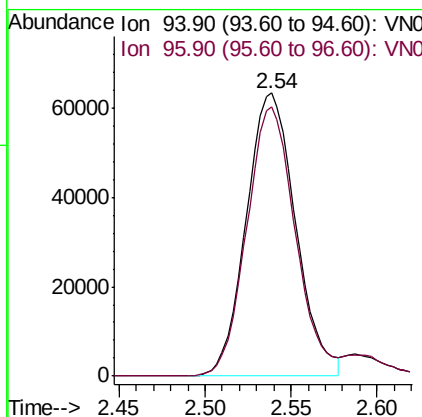
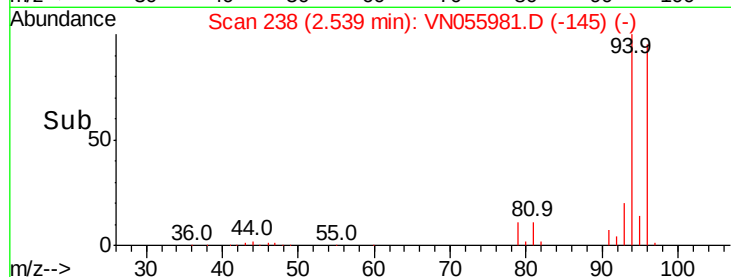
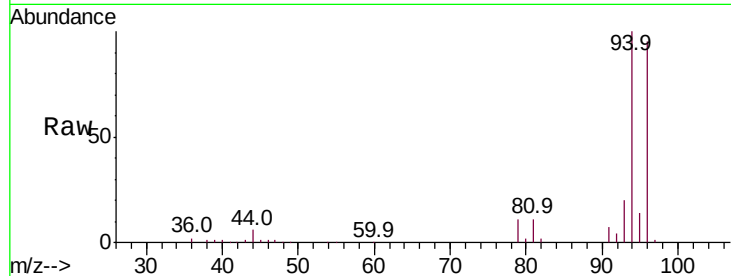
#5
Bromomethane
Concen: 55.209 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.5	113.3

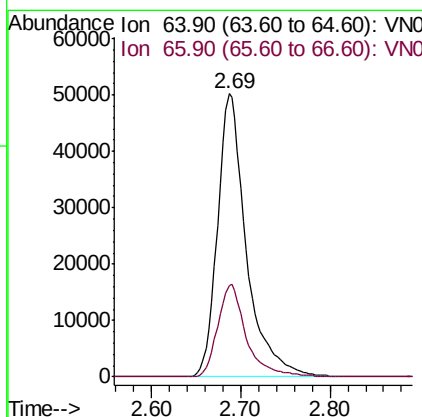
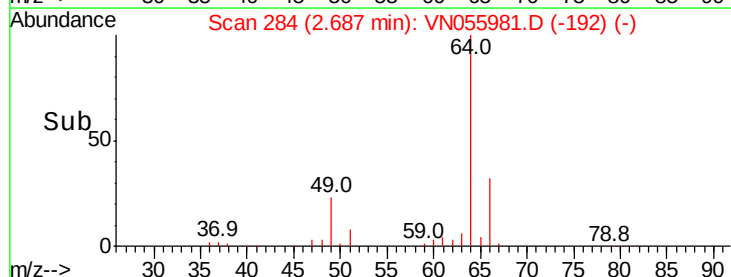
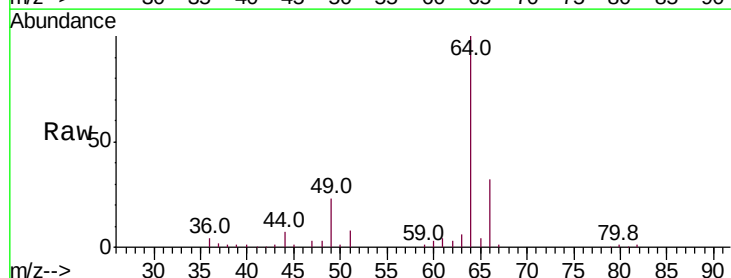
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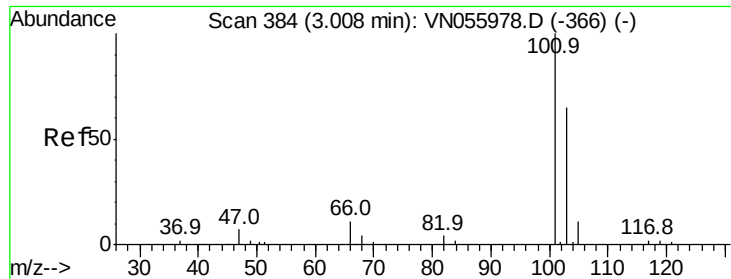
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6/5/2019 4:03:50 PM



#6
Chloroethane
Concen: 53.400 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.4	38.0





#7

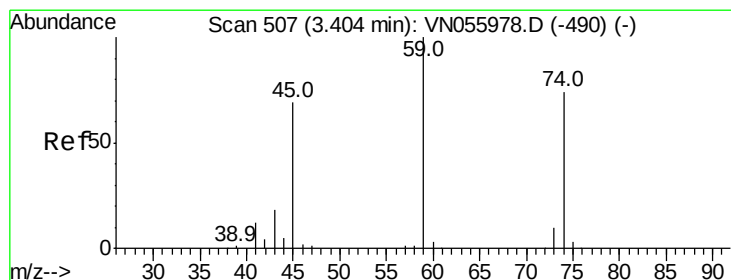
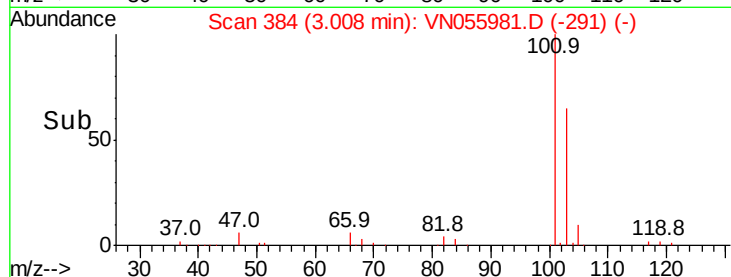
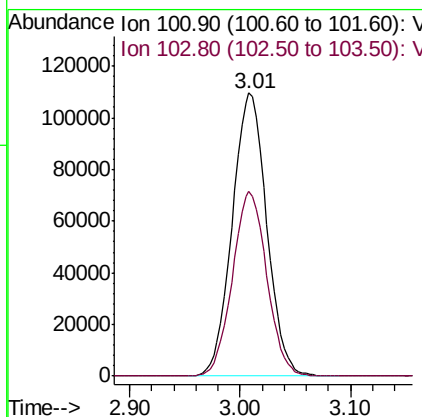
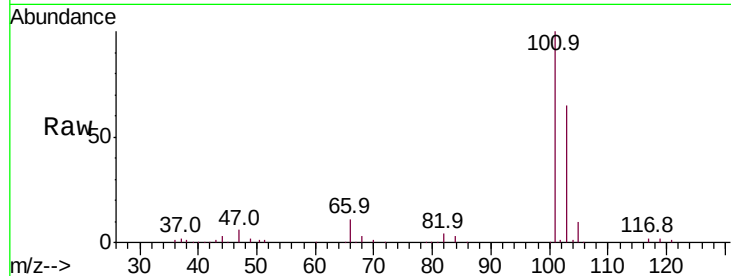
Trichlorofluoromethane
Concen: 51.248 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
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ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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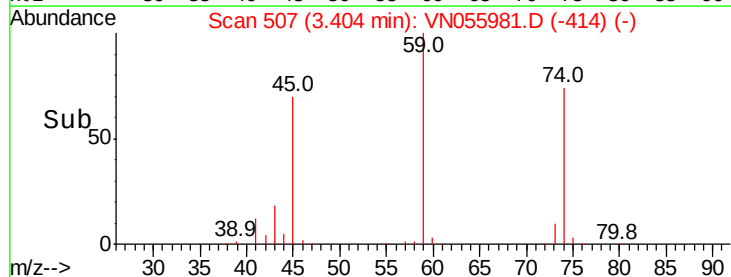
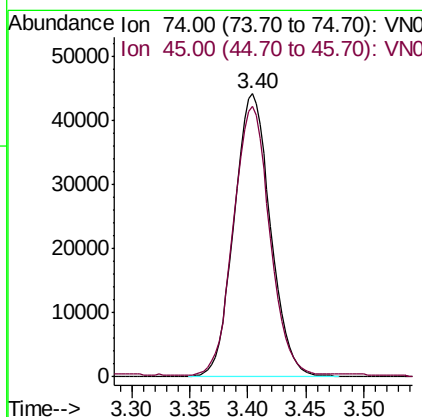
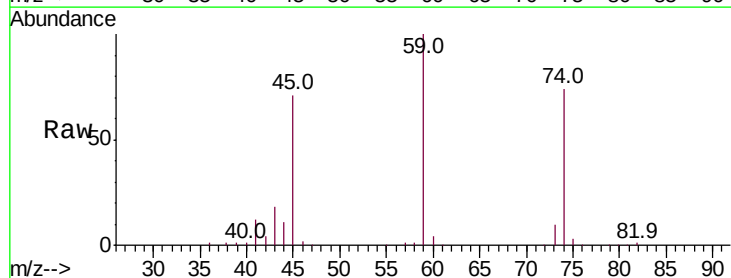
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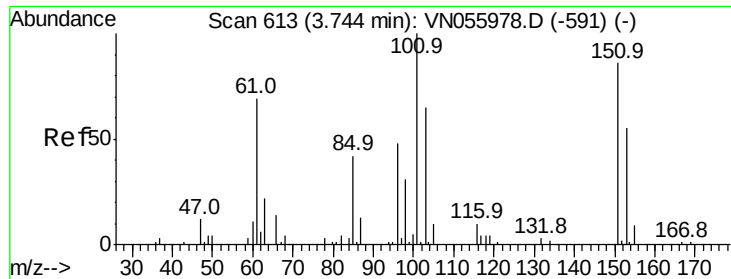


#8

Diethyl Ether
Concen: 50.618 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.243 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

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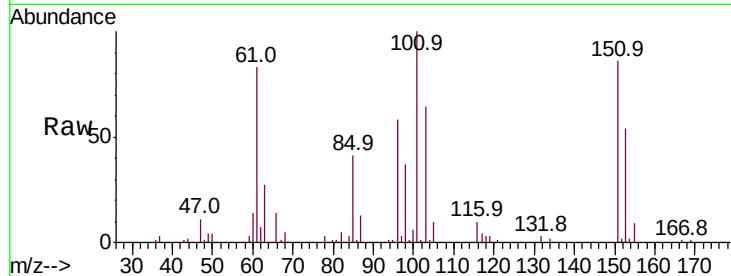
ClientSampleId :

ICVVN060419

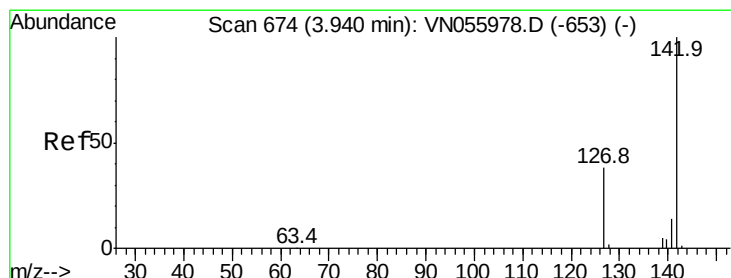
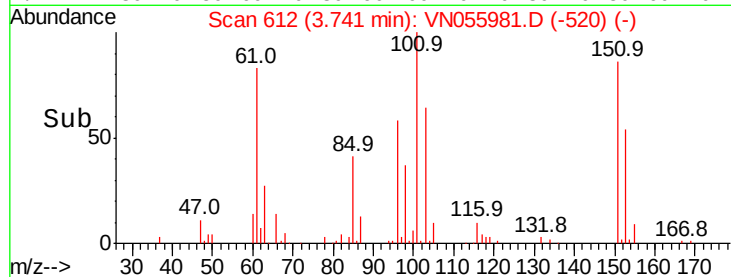
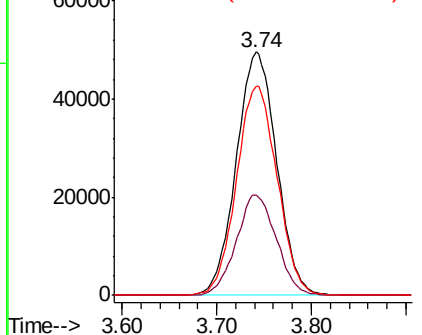
Tot Ion:	101	Resp:	146969
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.2
151	86.5	69.4	104.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.028 ug/l

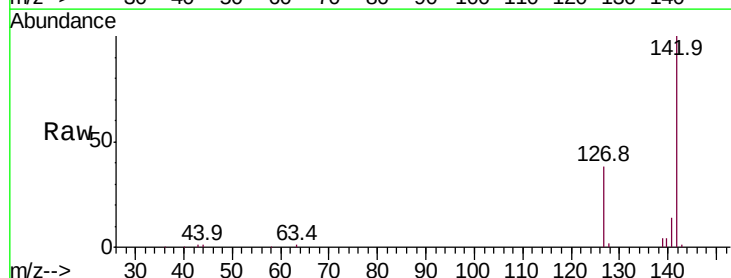
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

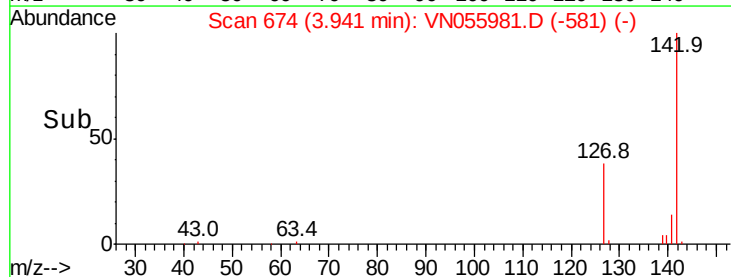
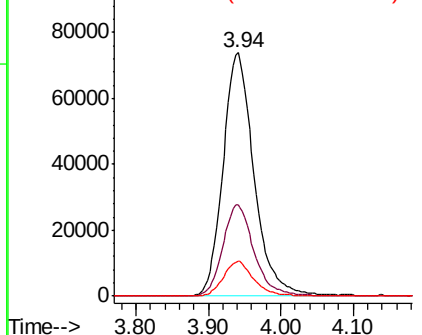
Lab File: VN055981.D

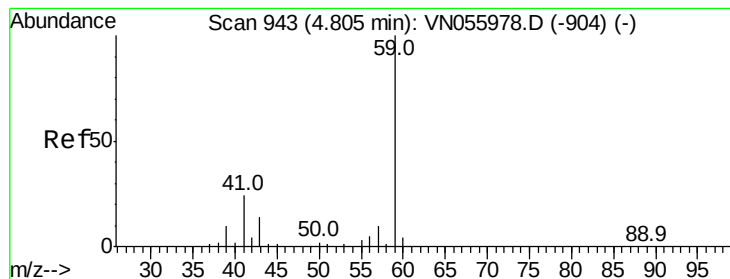
Acq: 4 Jun 2019 10:52

Tgt Ion:	142	Resp:	219183
Ion Ratio	Lower	Upper	
142	100		
127	37.8	31.0	46.4
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

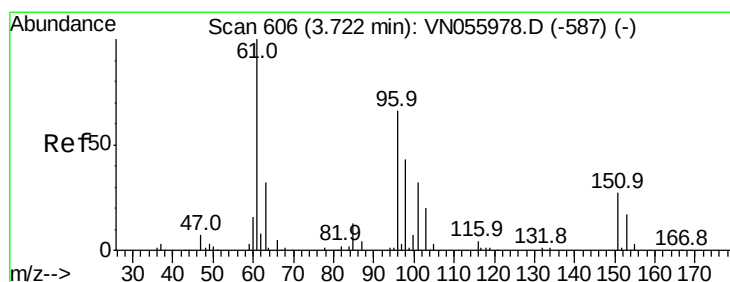
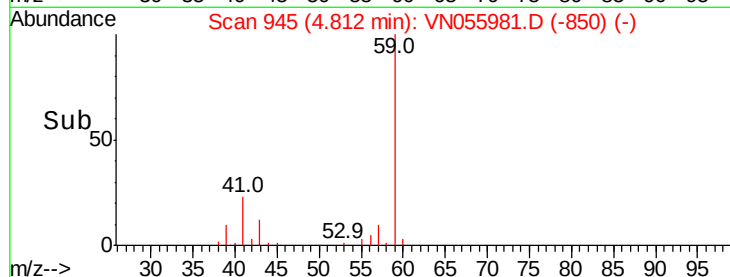
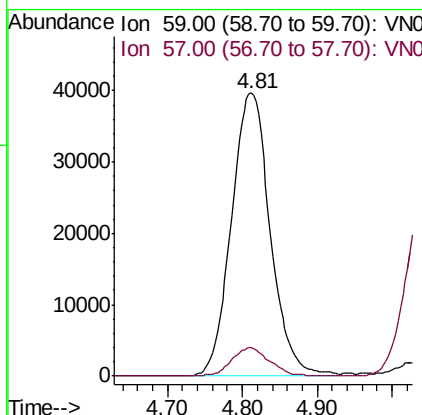
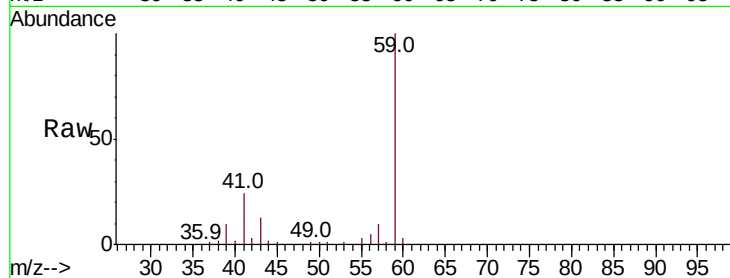
Tert butyl alcohol
 Concen: 248.042 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	59	Resp	142986
Ion Ratio	100	Lower	Upper
57	9.8	7.8	11.6

Manual Integrations
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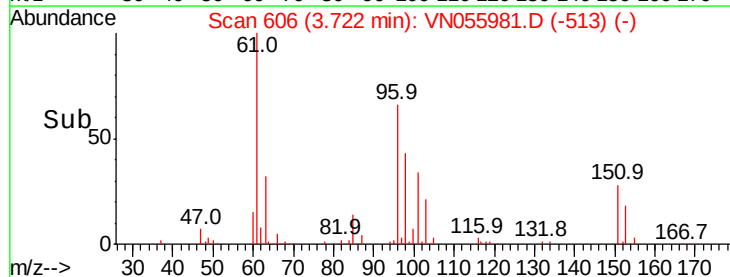
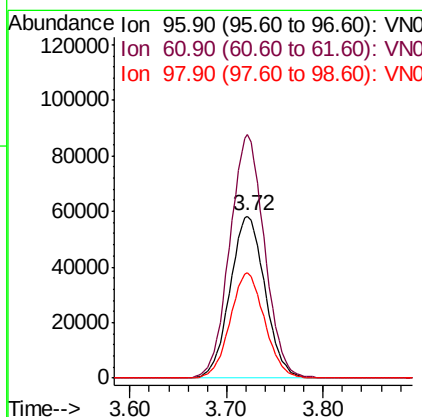
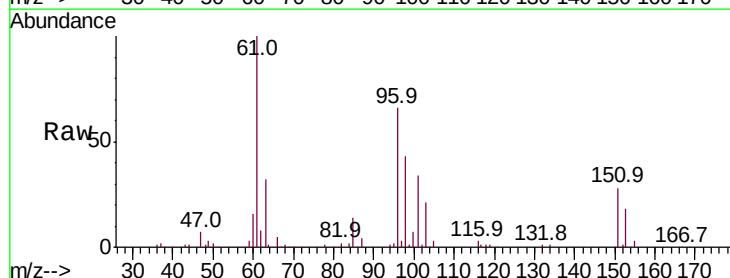
MMDadoda
 6/5/2019 4:03:50 PM

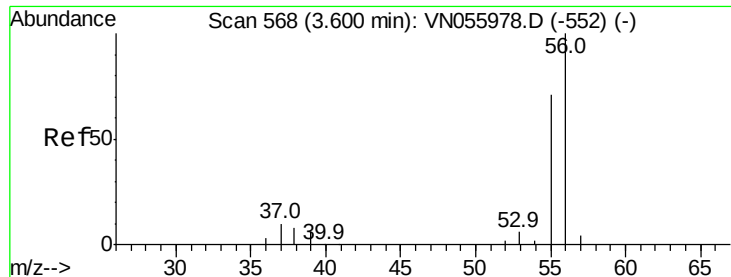


#12

1,1-Dichloroethene
 Concen: 52.103 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	96	Resp	145924
Ion Ratio	100	Lower	Upper
61	150.4	123.2	184.8
98	65.2	50.4	75.6





#13

Acrolein

Concen: 261.400 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 56 Resp: 43459

Ion Ratio Lower Upper

56 100

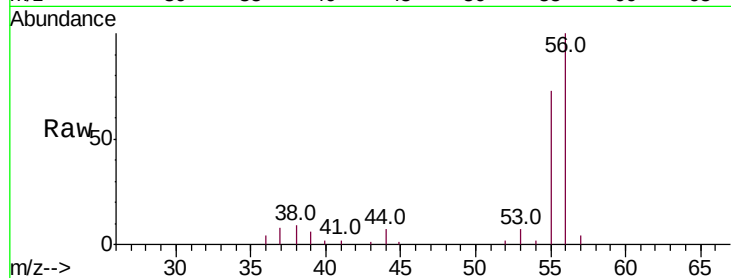
55 73.8 55.4 83.2

Manual Integrations

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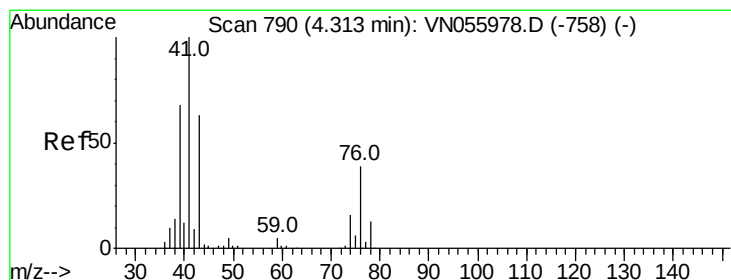
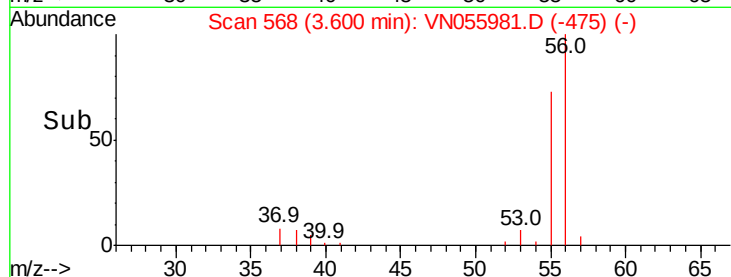
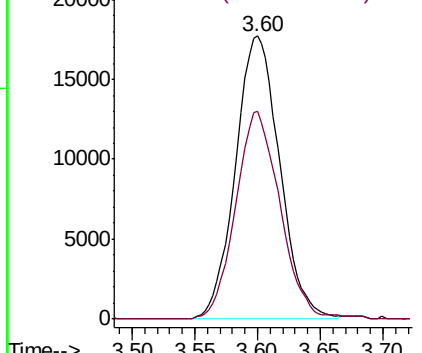
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.833 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

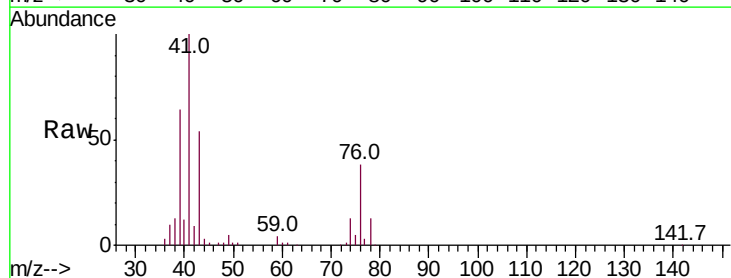
Tgt Ion: 41 Resp: 233649

Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

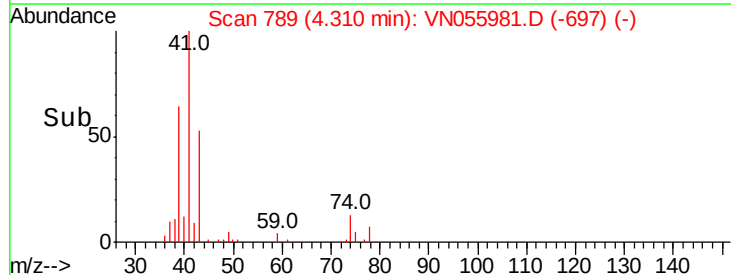
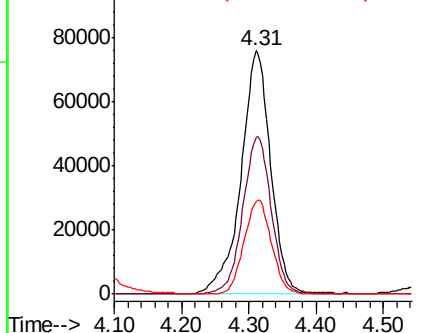
76 35.7 28.2 42.2

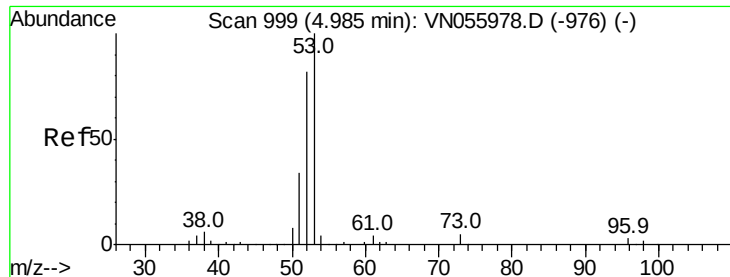


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 265.946 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

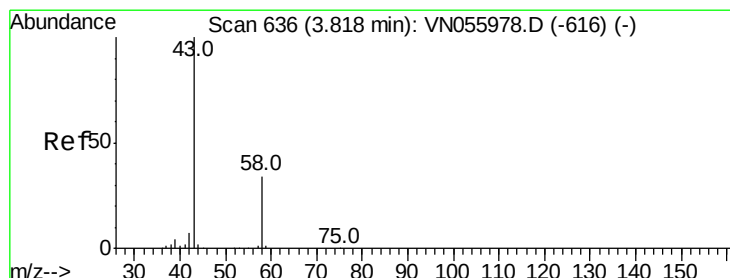
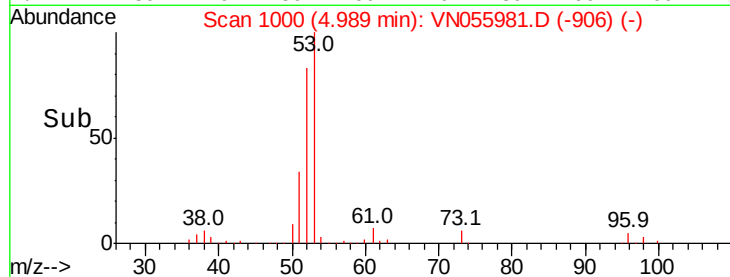
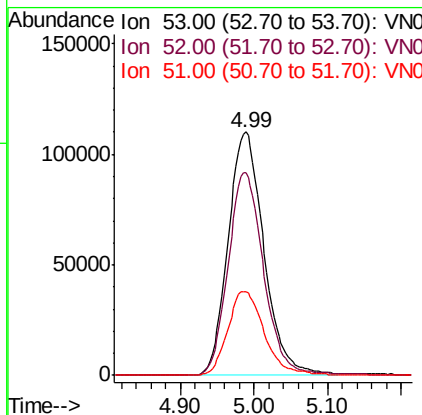
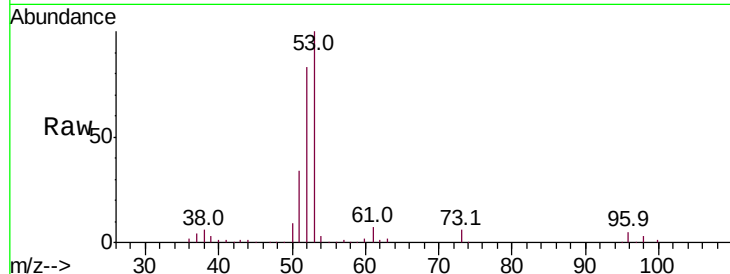
ClientSampled :

ICVVN060419

Tot Ion:	53	Resp:	373192
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 241.943 ug/l

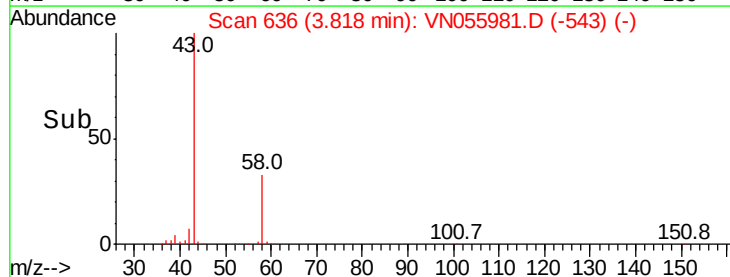
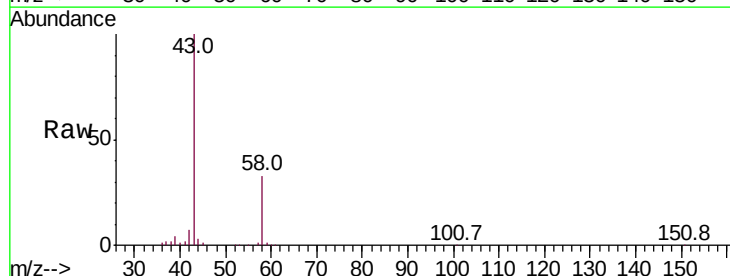
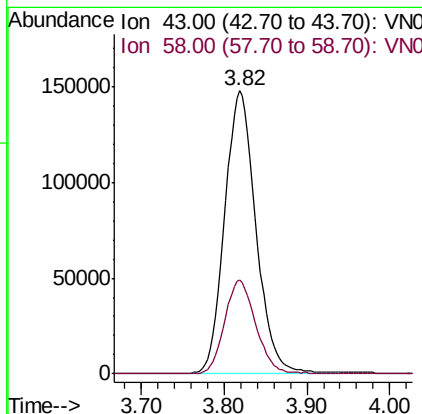
RT: 3.82 min Scan# 636

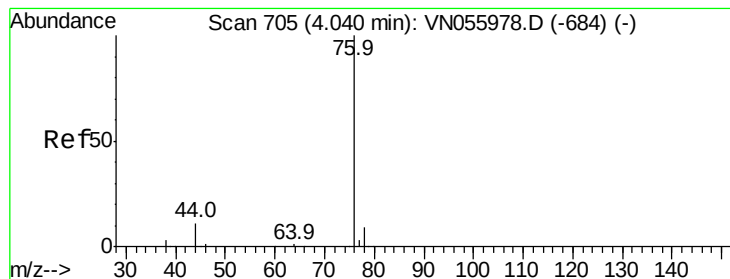
Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion:	43	Resp:	383310
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.6	39.8





#17

Carbon Disulfide

Concen: 55.906 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 76 Resp: 374899

Ion Ratio Lower Upper

76 100

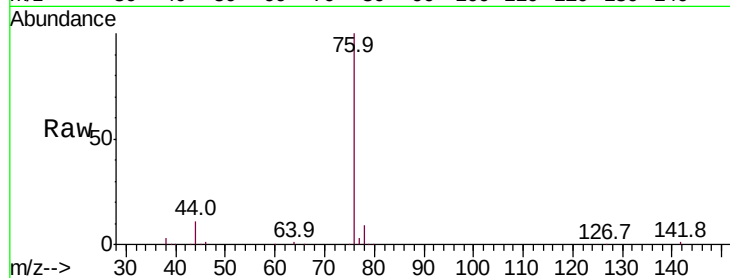
78 9.1 7.4 11.2

Manual Integrations

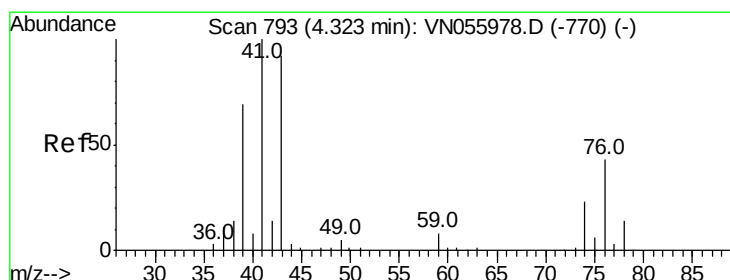
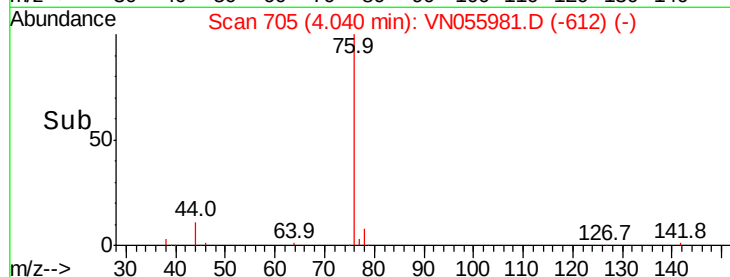
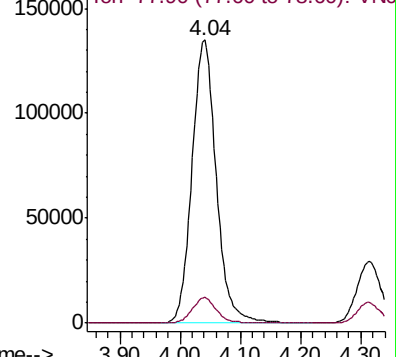
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Abundance Ion 75.90 (75.60 to 76.60): VN055981.D (-612) (-)



#18

Methyl Acetate

Concen: 50.981 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN055981.D

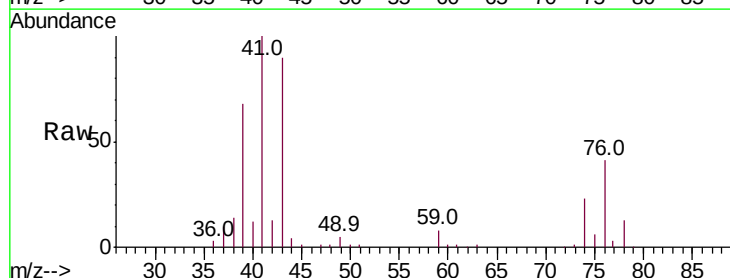
Acq: 4 Jun 2019 10:52

Tgt Ion: 43 Resp: 158619

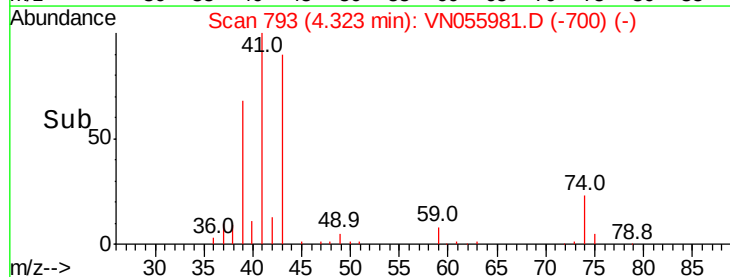
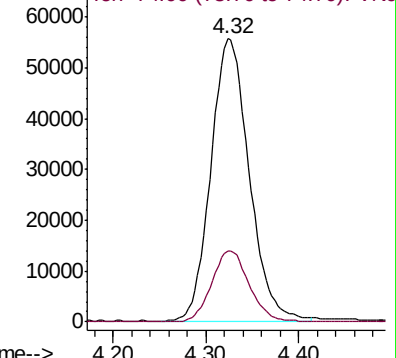
Ion Ratio Lower Upper

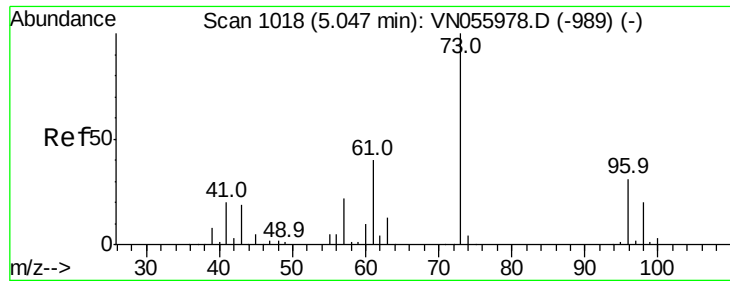
43 100

74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN055981.D (-700) (-)





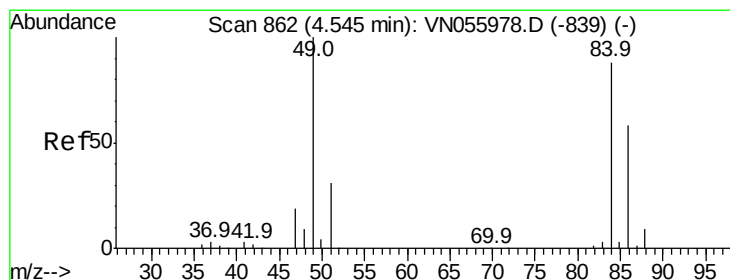
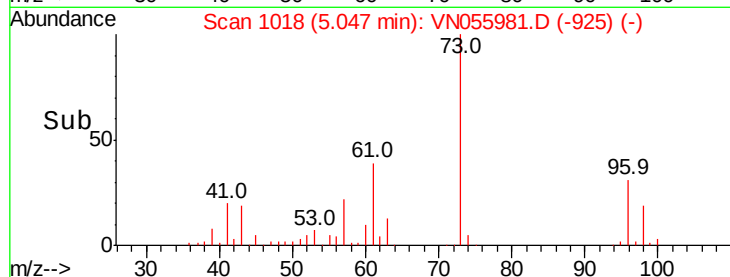
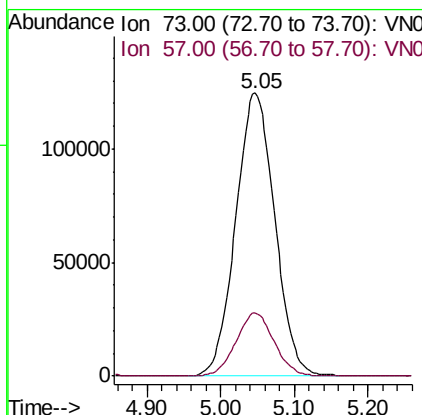
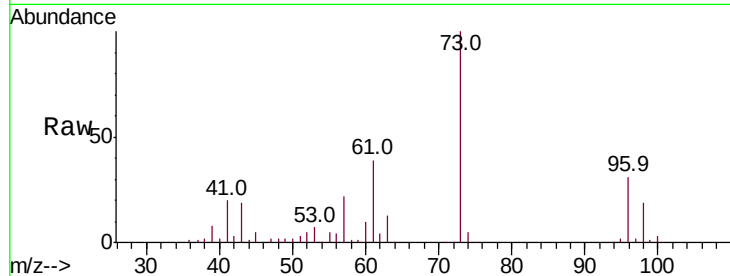
#19
Methyl tert-butyl Ether
Concen: 51.462 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion: 73 Resp: 459421
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

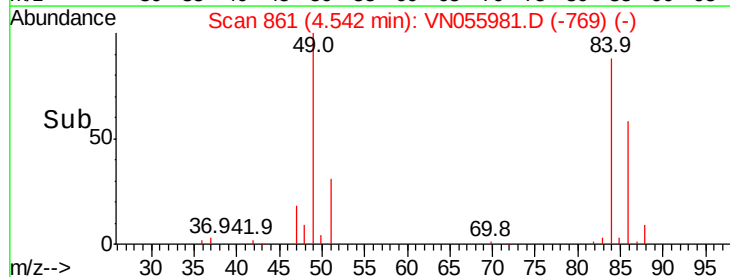
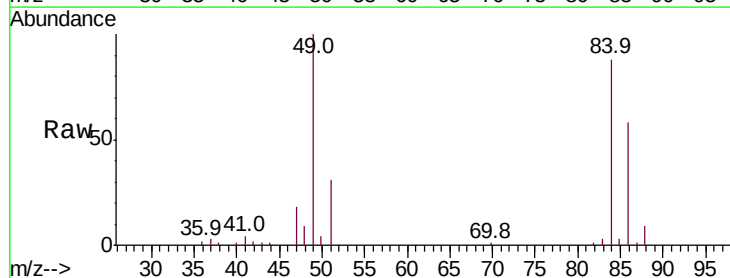
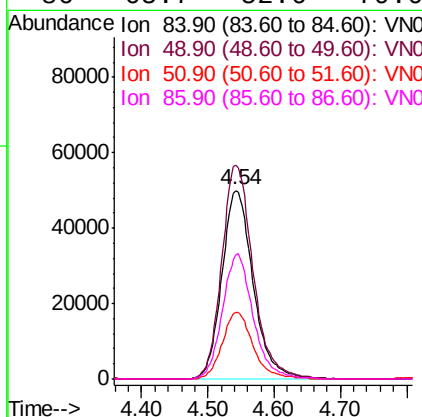
Manual Integrations
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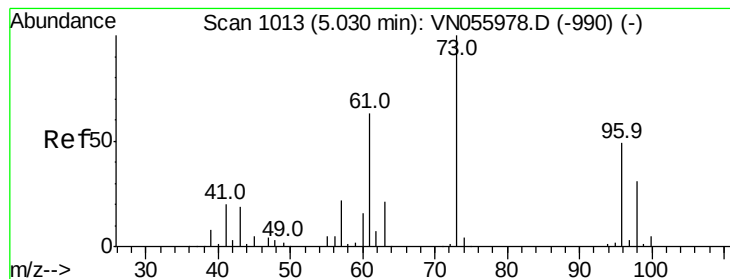
MMDadoda
6/5/2019 4:03:50 PM



#20
Methylene Chloride
Concen: 50.336 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 84 Resp: 164297
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 35.5 28.6 43.0
86 65.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.337 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 96 Resp: 157055

Ion Ratio Lower Upper

96 100

61 130.3 107.8 161.8

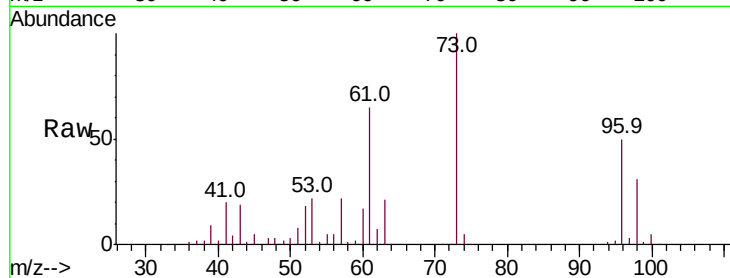
98 62.2 49.8 74.8

Manual Integrations

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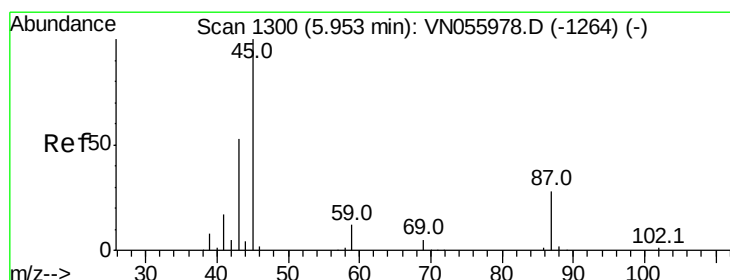
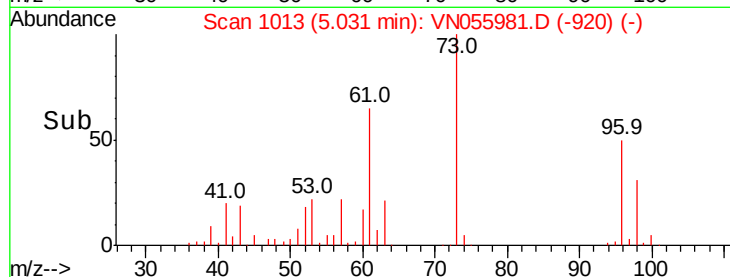
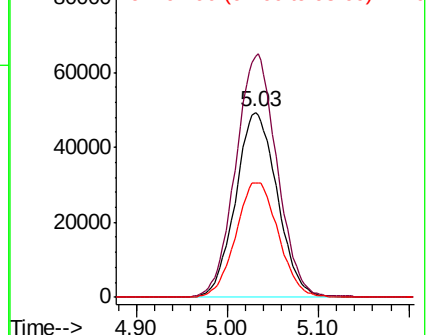


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.658 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion: 45 Resp: 463106

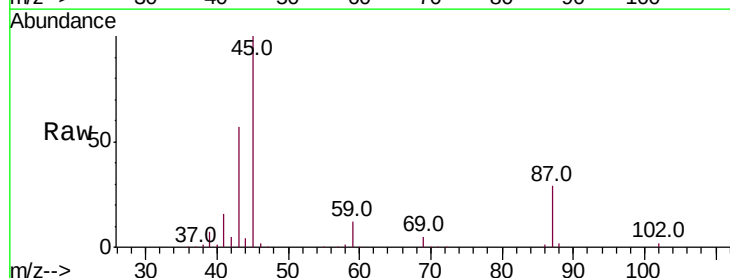
Ion Ratio Lower Upper

45 100

43 55.7 45.0 67.6

87 28.9 22.2 33.4

59 11.2 9.1 13.7



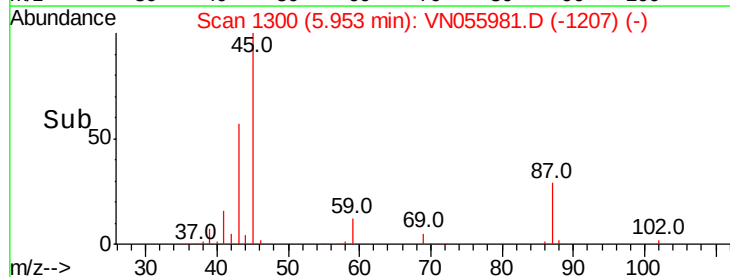
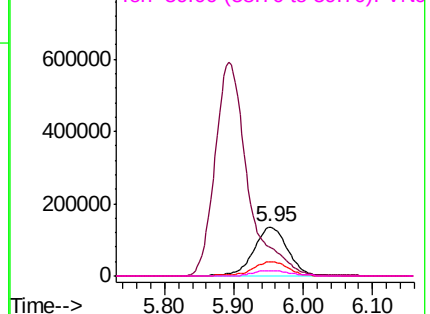
Abundance

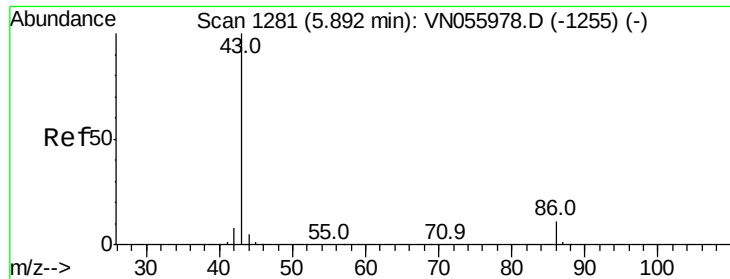
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 270.980 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

Tot Ion: 43 Resp: 1950841

Ion Ratio Lower Upper

43 100

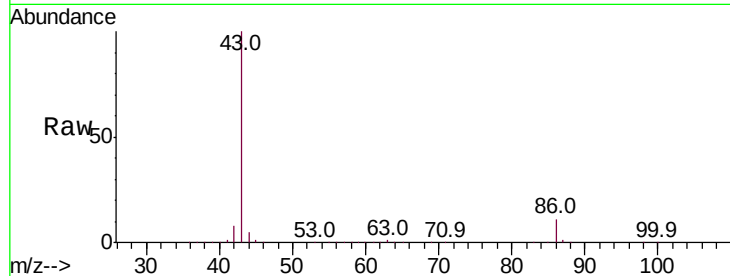
86 11.0 8.6 13.0

Manual Integrations

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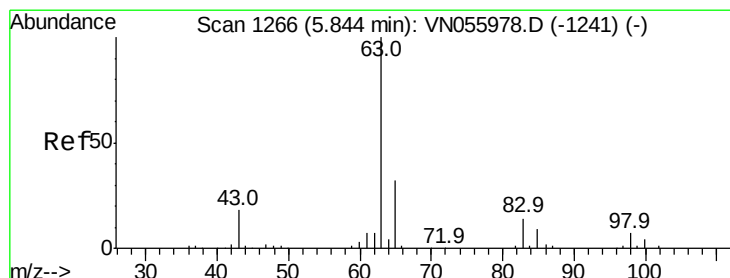
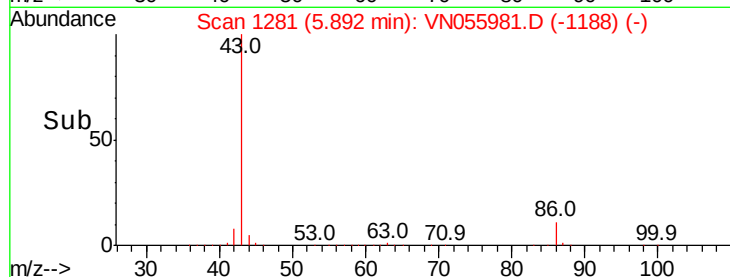
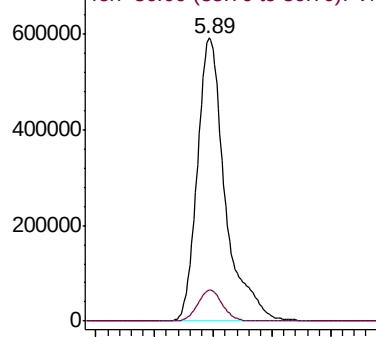
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.914 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

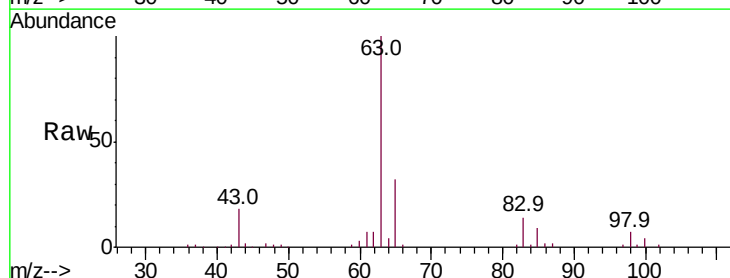
Tgt Ion: 63 Resp: 268485

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

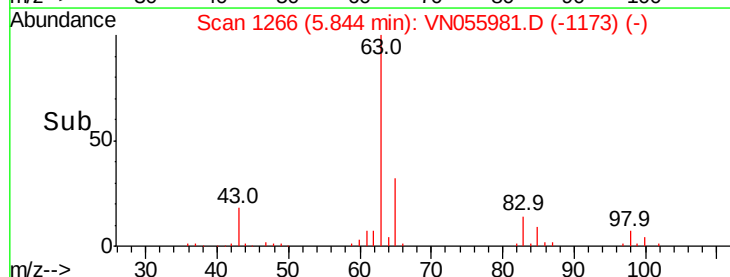
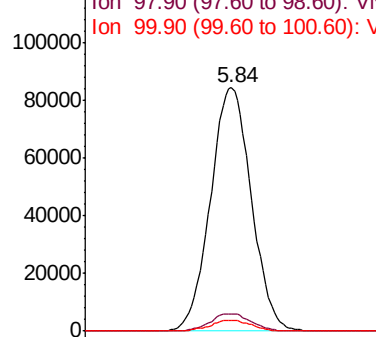
100 4.4 2.2 6.6

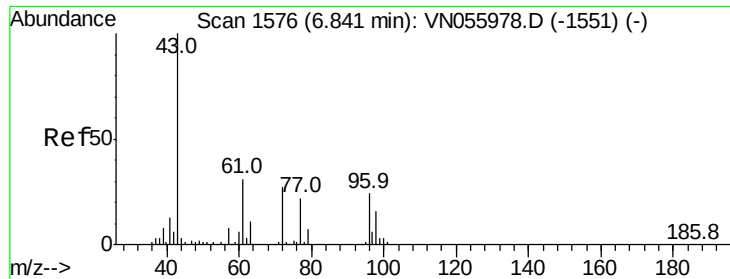


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 261.631 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

Tot Ion: 43 Resp: 523709

Ion Ratio Lower Upper

43 100

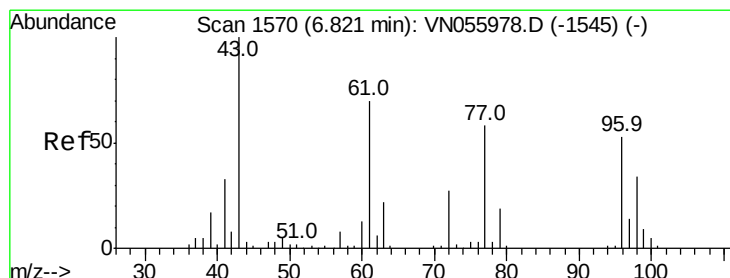
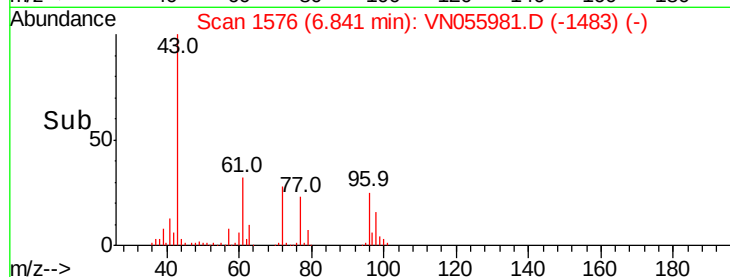
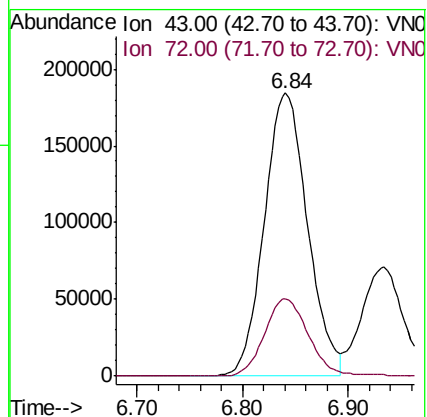
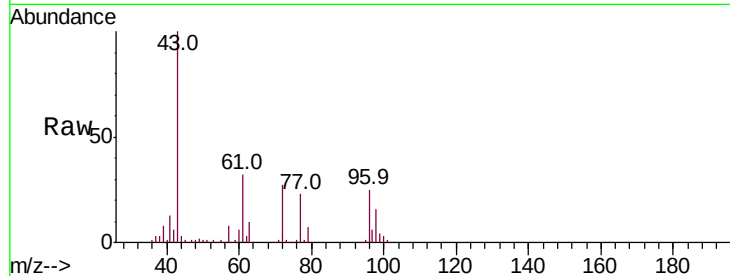
72 27.5 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.235 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055981.D

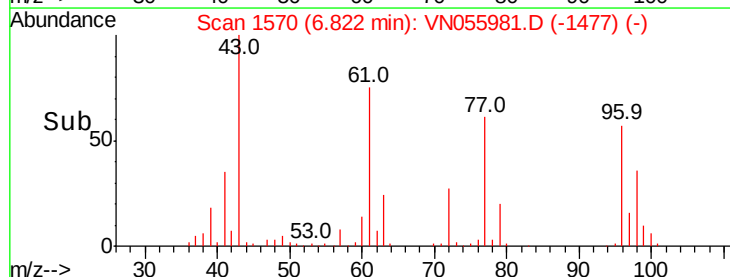
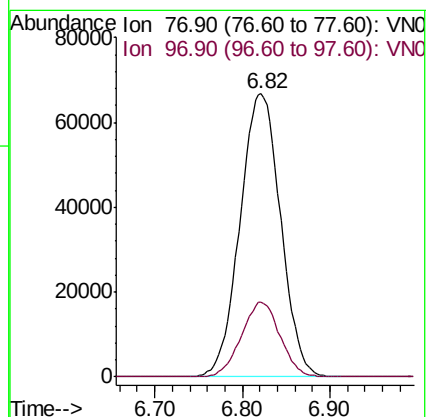
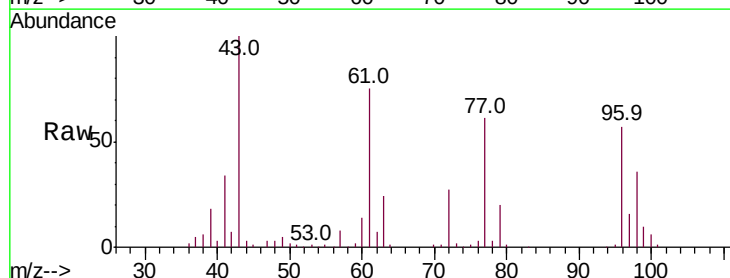
Acq: 4 Jun 2019 10:52

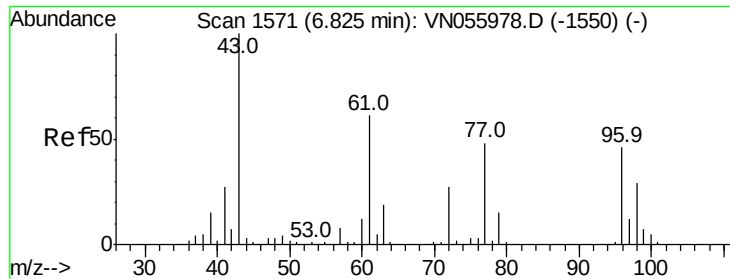
Tgt Ion: 77 Resp: 214940

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.188 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

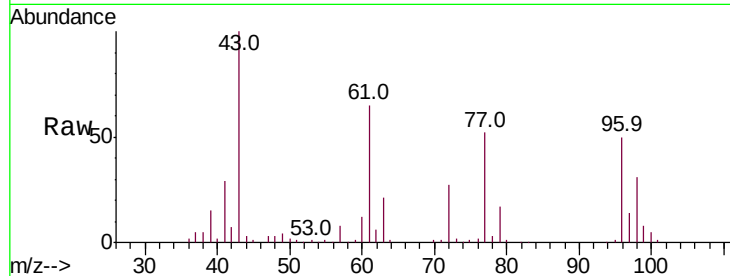
ClientSampled :

ICVVN060419

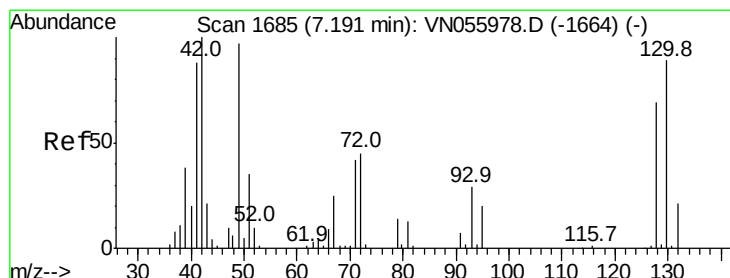
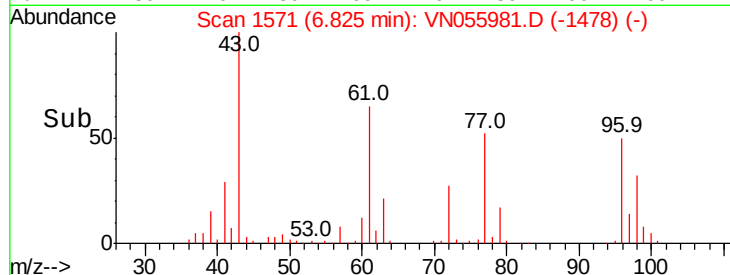
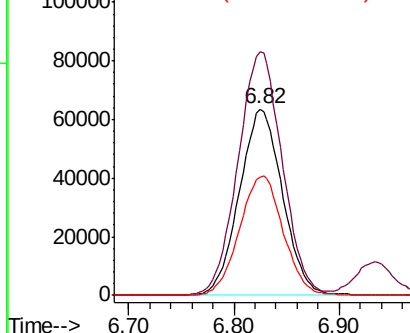
Tot Ion:	96	Resp:	180561
Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.8
98	65.2	0.0	128.4

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.354 ug/l

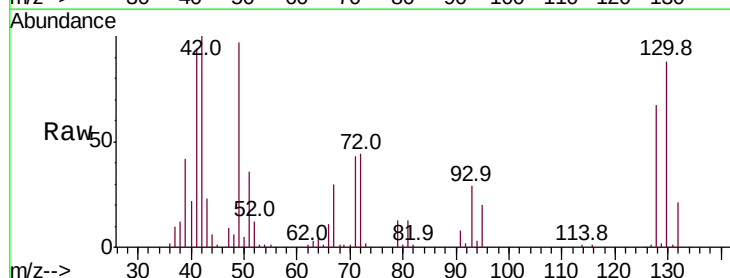
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

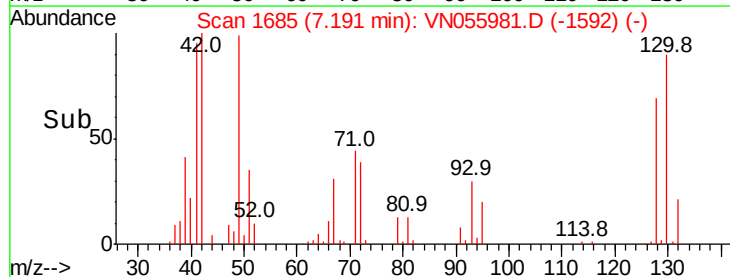
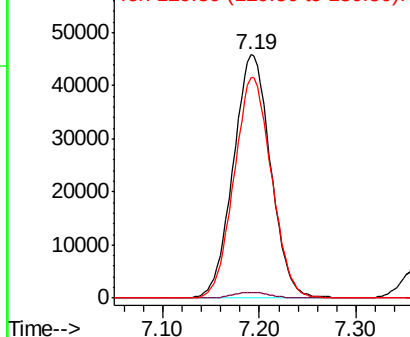
Lab File: VN055981.D

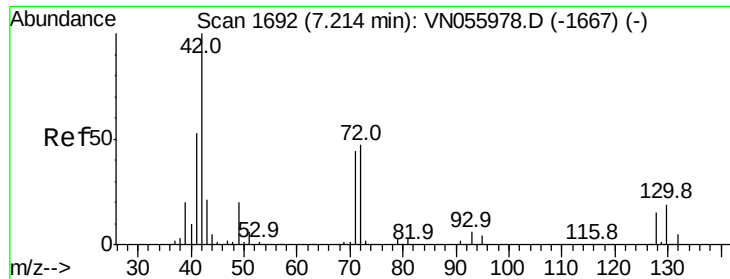
Acq: 4 Jun 2019 10:52

Tgt Ion:	49	Resp:	123078
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	90.7	71.2	106.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





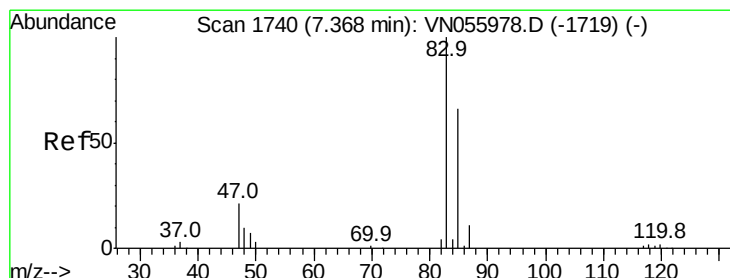
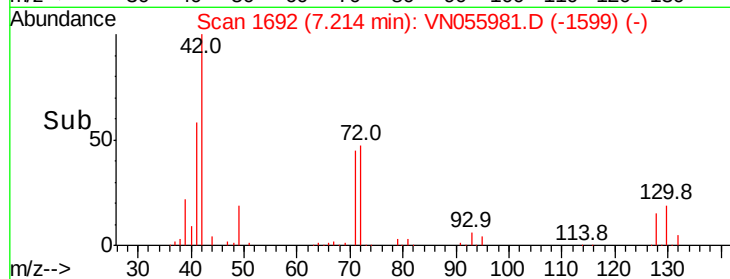
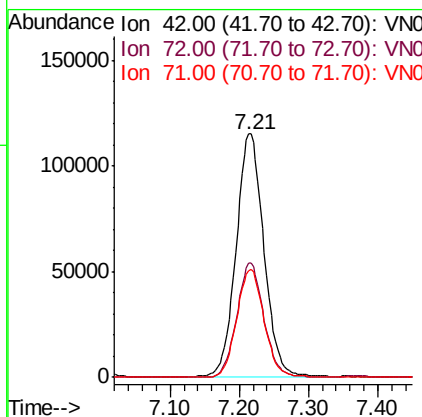
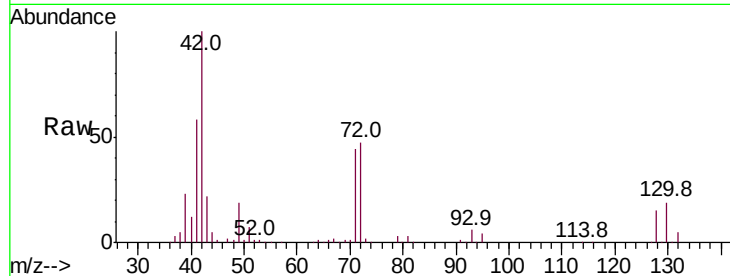
#29
Tetrahydrofuran
Concen: 259.564 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.9	34.0	51.0

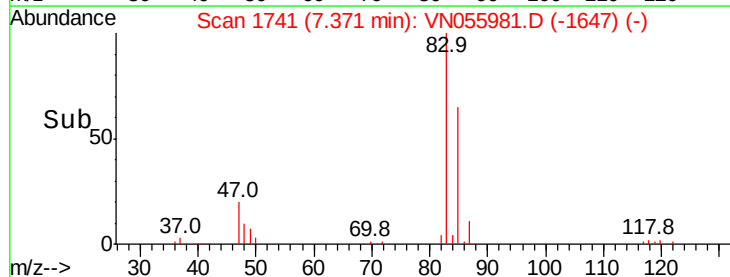
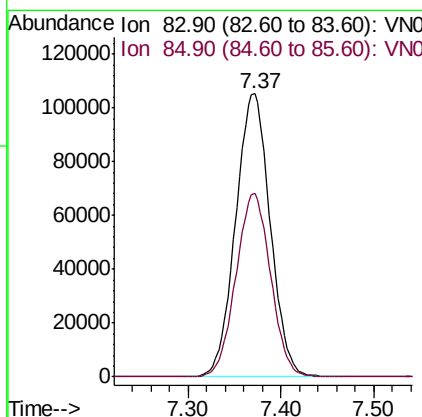
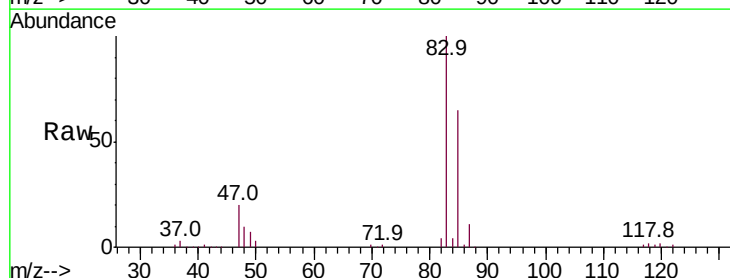
Manual Integrations
APPROVED

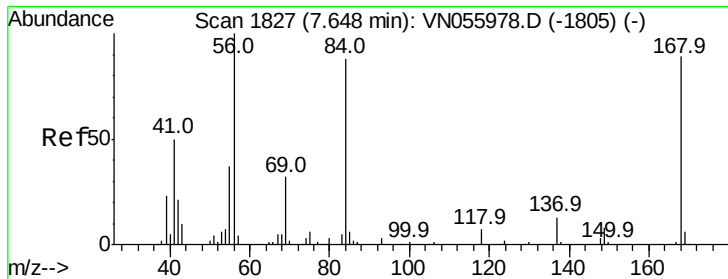
MMDadoda
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#30
Chloroform
Concen: 51.299 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





#31

Cyclohexane

Concen: 48.756 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

Tot Ion: 56 Resp: 256279

Ion Ratio Lower Upper

56 100

69 34.5 25.6 38.4

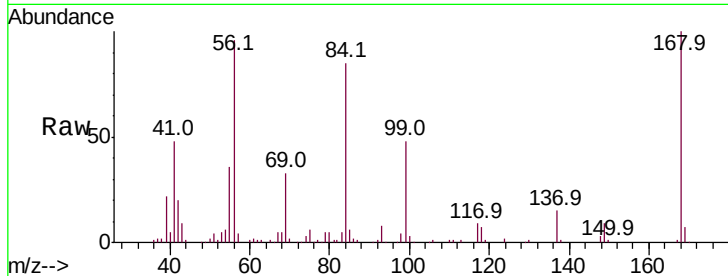
84 88.3 67.4 101.0

Manual Integrations

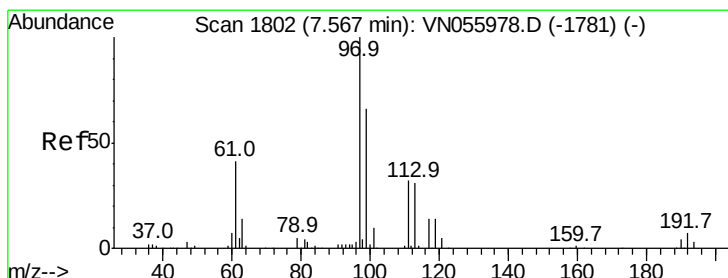
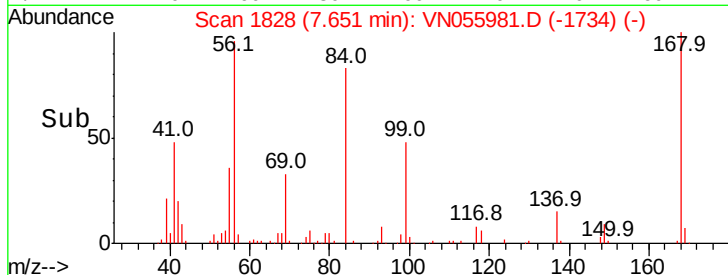
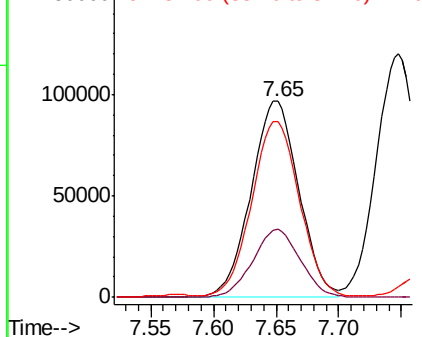
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 51.764 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

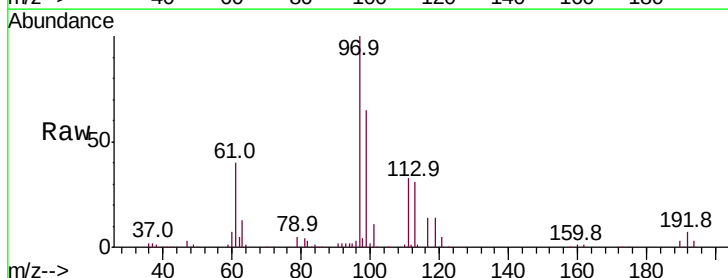
Tgt Ion: 97 Resp: 229309

Ion Ratio Lower Upper

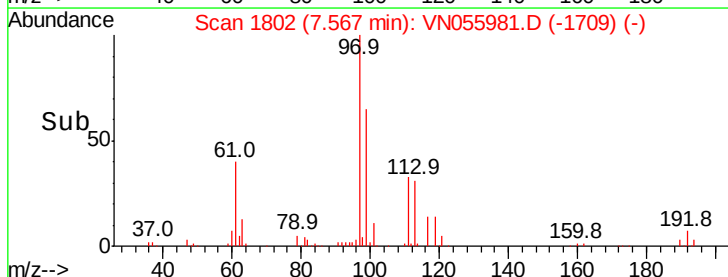
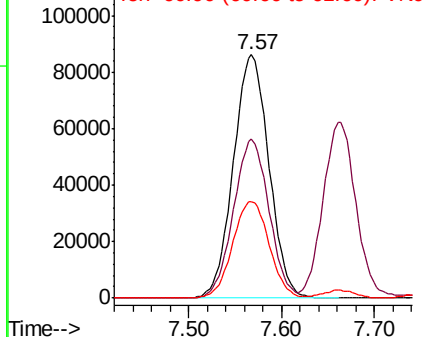
97 100

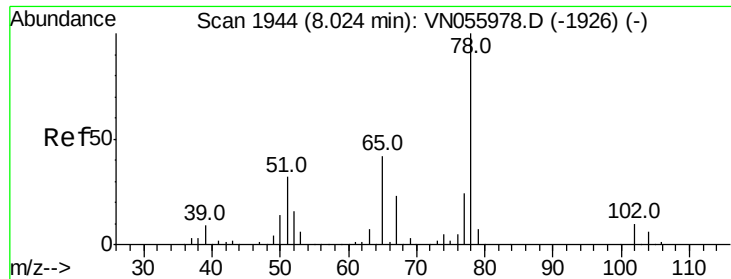
99 64.9 52.0 78.0

61 40.7 32.9 49.3



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





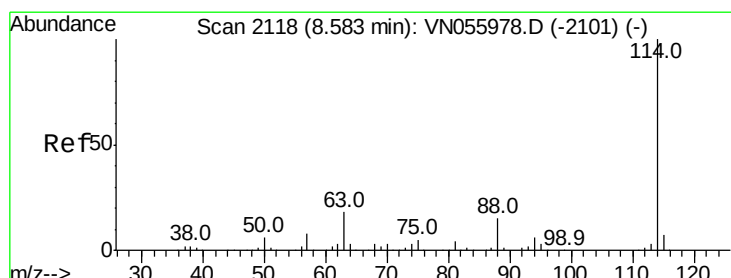
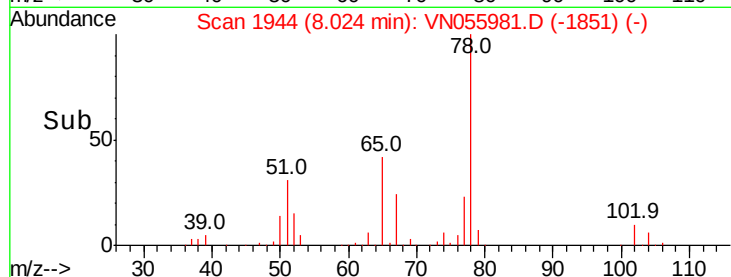
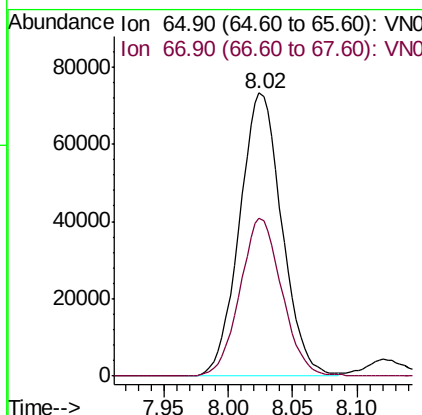
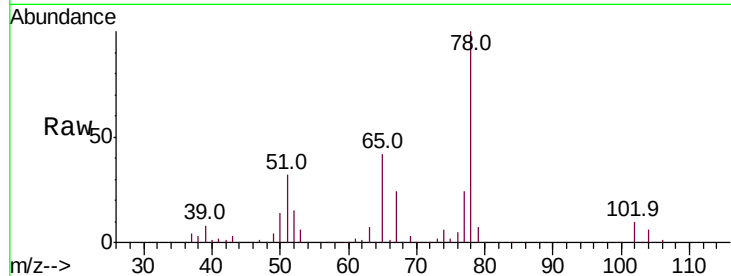
#33
 1,2-Dichloroethane-d4
 Concen: 50.518 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167345		
67	55.4	0.0	109.2	

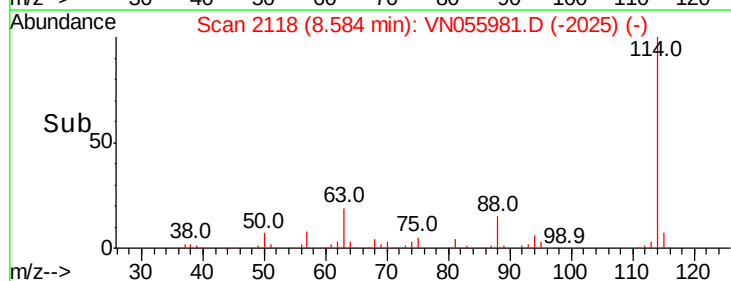
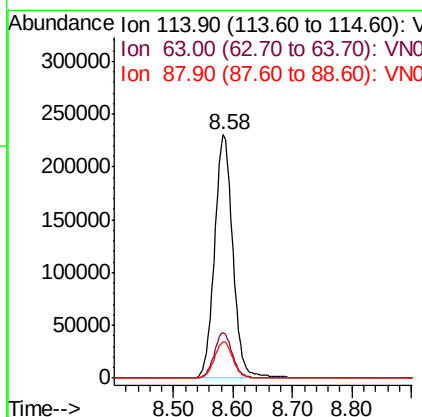
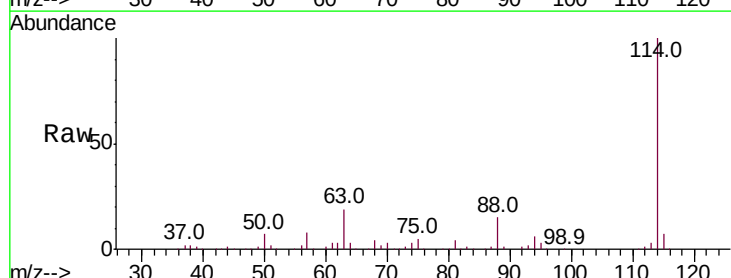
Manual Integrations
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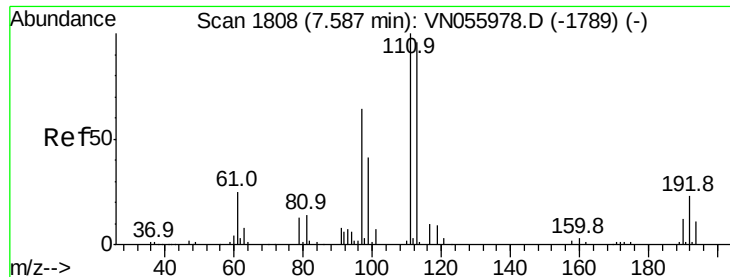
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	490379		
63	18.8	0.0	39.2	
88	15.1	0.0	31.0	





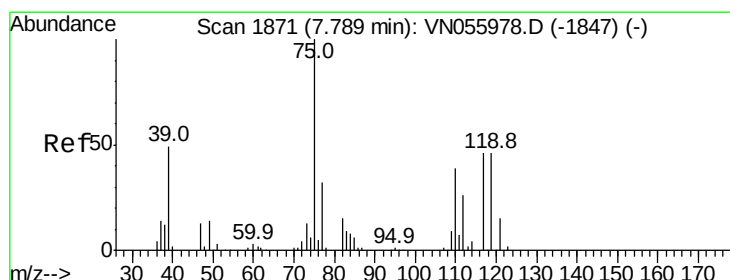
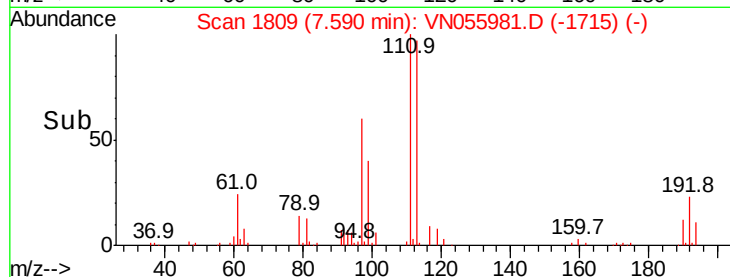
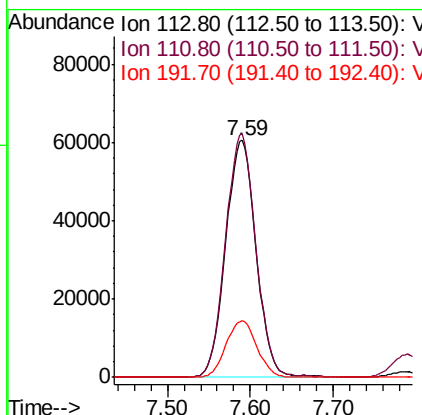
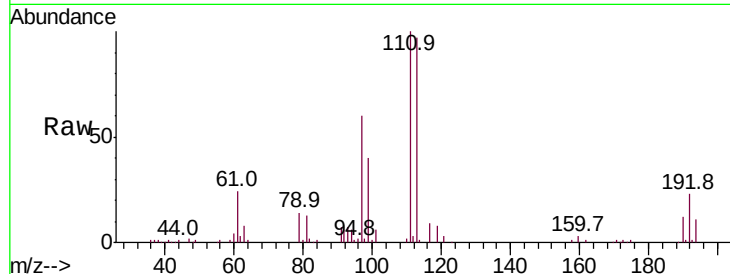
#35
Dibromofluoromethane
Concen: 51.308 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	24.1	19.5	29.3

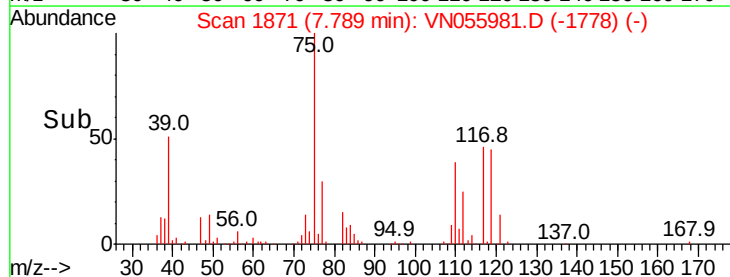
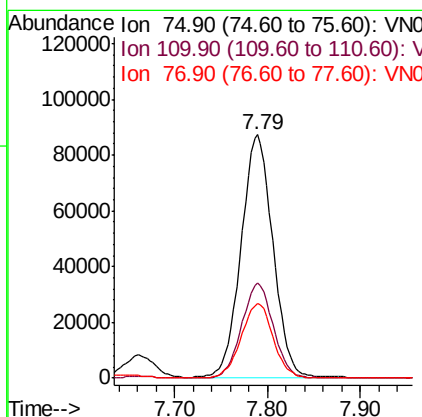
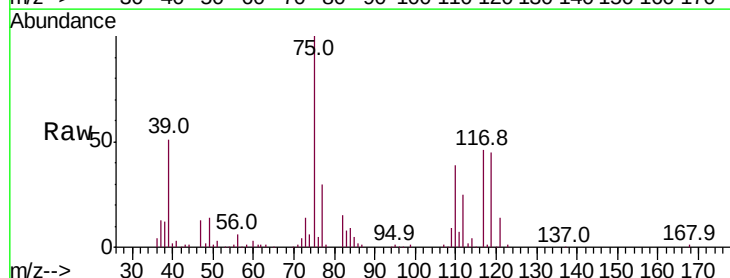
Manual Integrations
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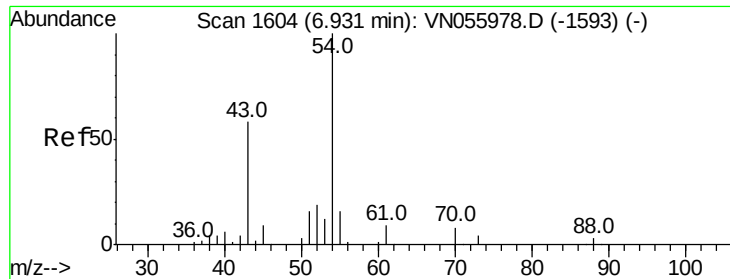
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.219 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	31.1	25.1	37.7





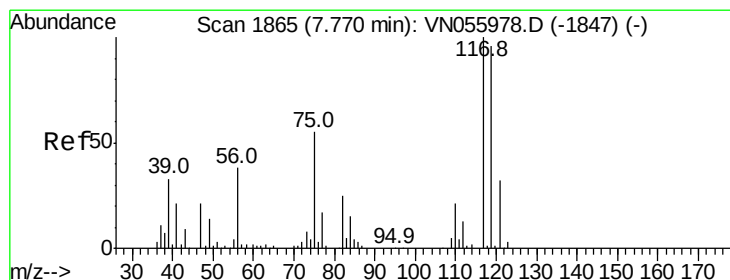
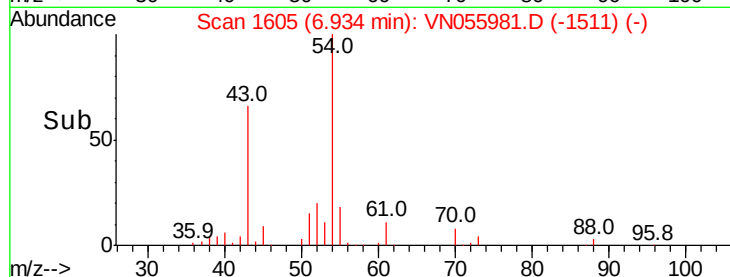
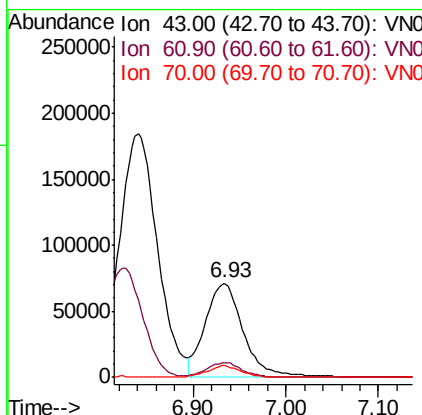
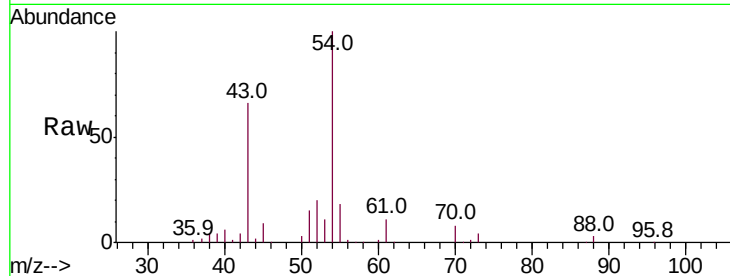
#37
Ethyl Acetate
Concen: 52.875 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.2
70	11.3	8.9	13.3

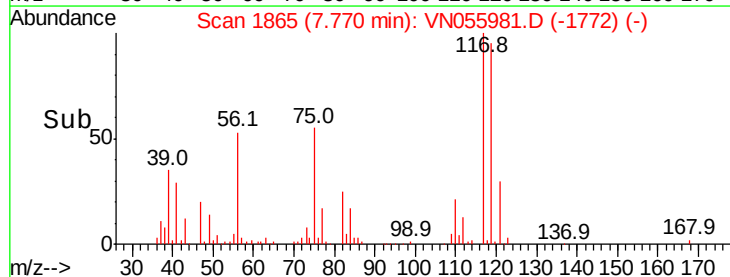
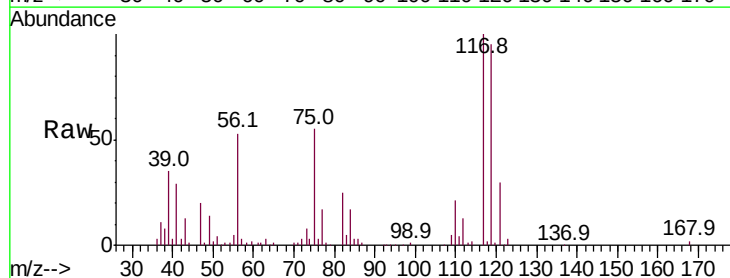
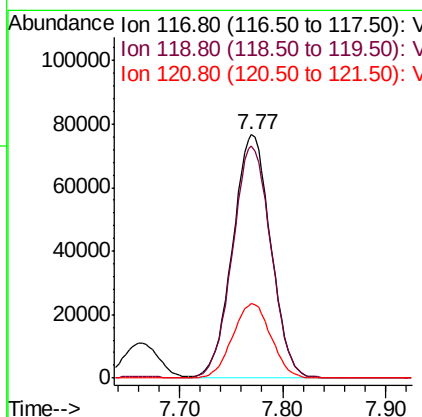
Manual Integrations
APPROVED

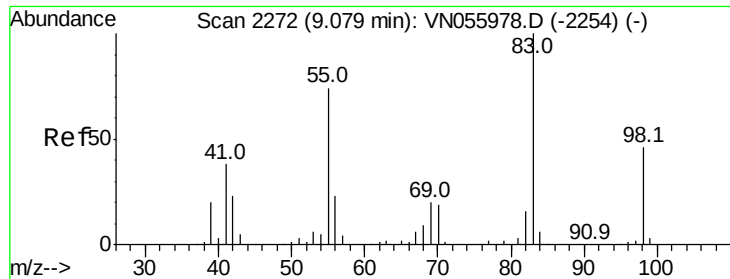
MMDadoda
6/5/2019 4:03:50 PM



#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.0	118.6
121	30.5	24.7	37.1





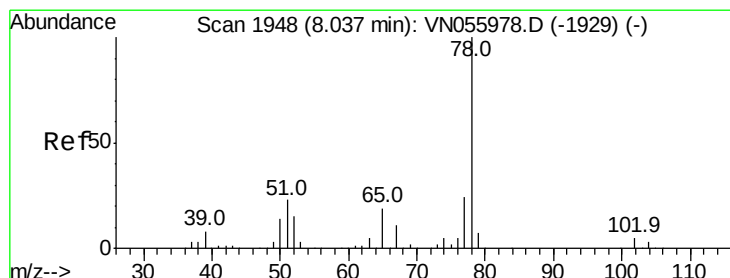
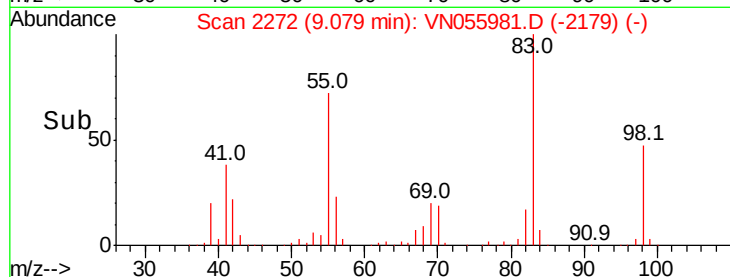
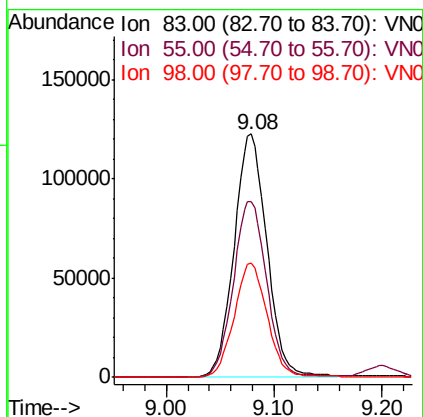
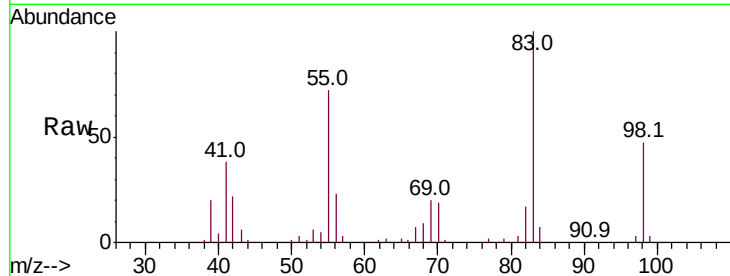
#39
Methylvlcyclohexane
Concen: 49.682 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICV060419

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.4	59.3	88.9	
98	46.9	36.6	54.8	

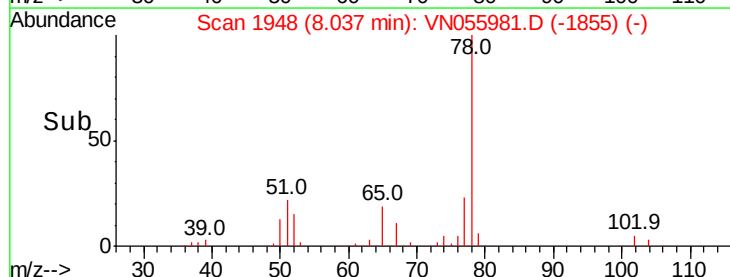
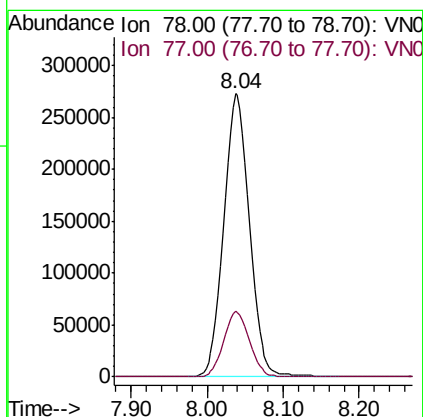
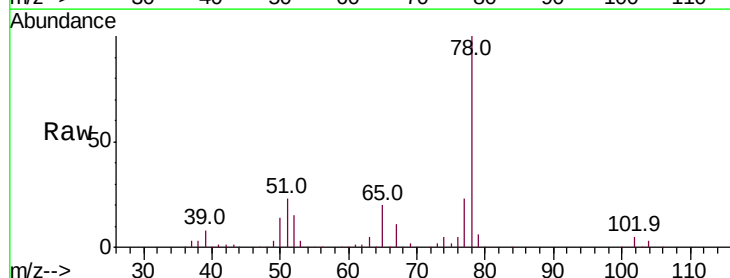
Manual Integrations
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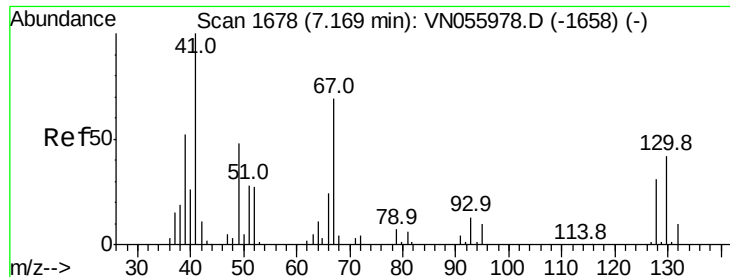
MMDadoda
6/5/2019 4:03:50 PM



#40
Benzene
Concen: 50.310 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.8	28.2	





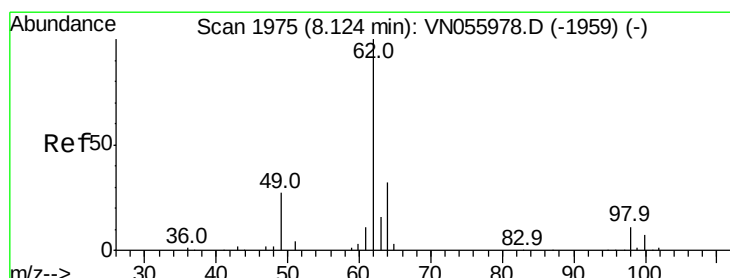
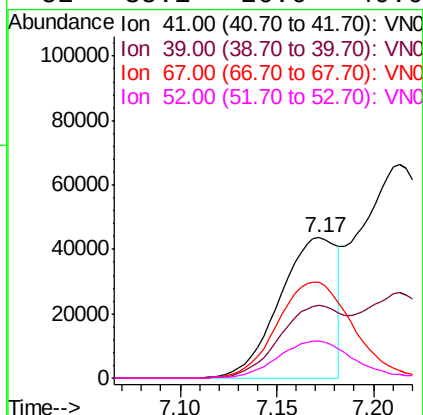
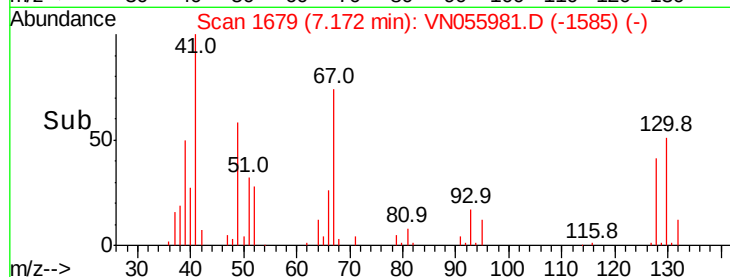
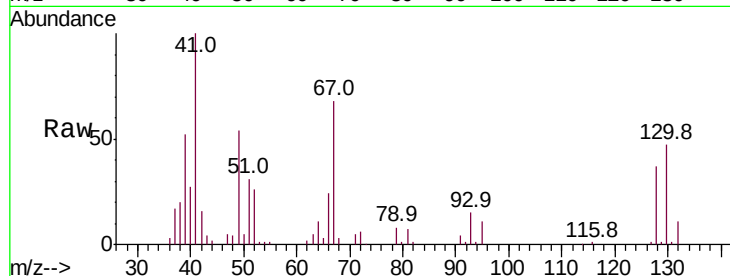
#41
Methacrylonitrile
Concen: 52.209 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	41	Resp	90120
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.6	68.4
67	91.9	67.7	101.5
52	35.1	26.6	40.0

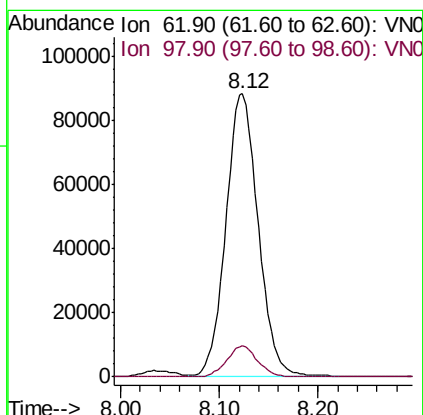
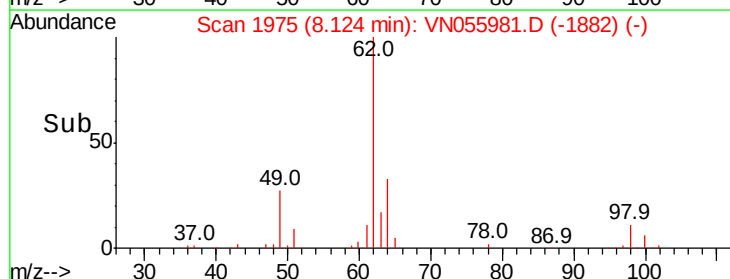
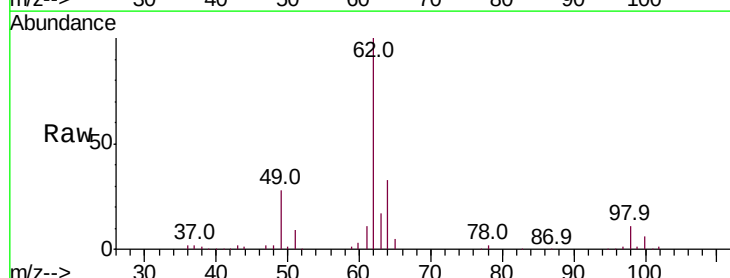
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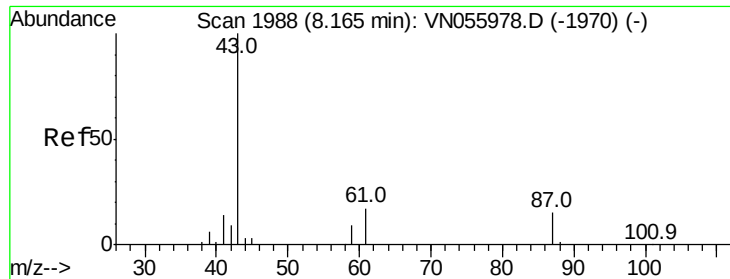
MMDadoda
6/5/2019 4:03:50 PM



#42
1,2-Dichloroethane
Concen: 48.792 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	62	Resp	200996
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 51.260 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

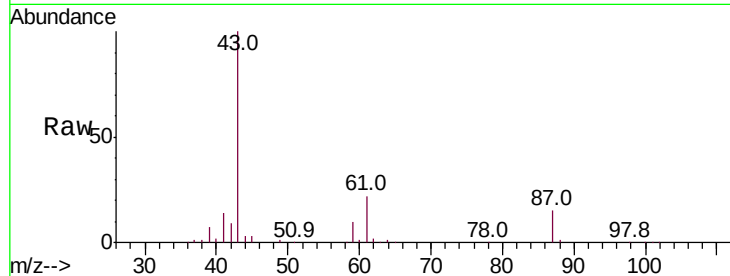
ClientSampleId :

ICVVN060419

Tot Ion:	43	Resp:	311635
Ion Ratio	Lower	Upper	
43	100		
61	28.7	22.2	33.4
87	14.7	11.4	17.2

Manual Integrations
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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

150000

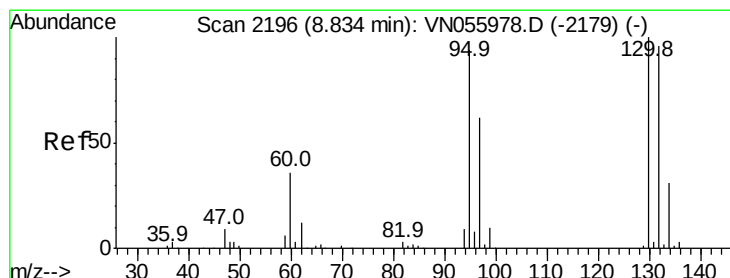
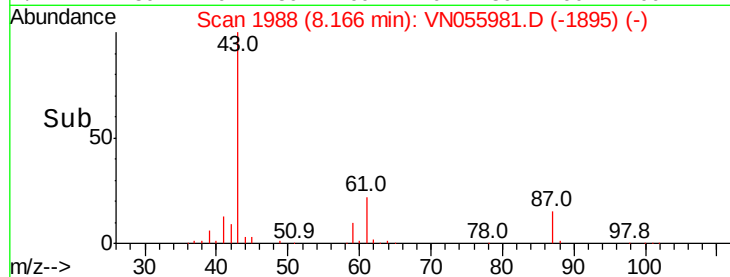
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 49.801 ug/l

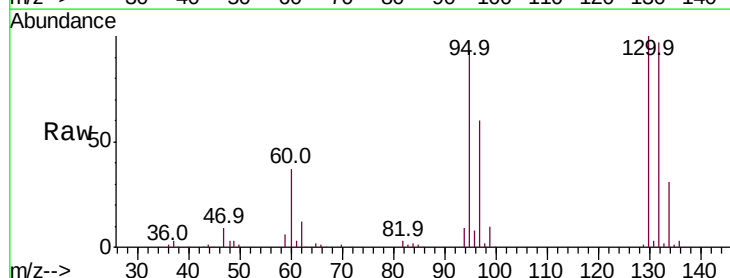
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion:	130	Resp:	183266
Ion Ratio	Lower	Upper	
130	100		
95	93.1	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) (-)

100000

80000

60000

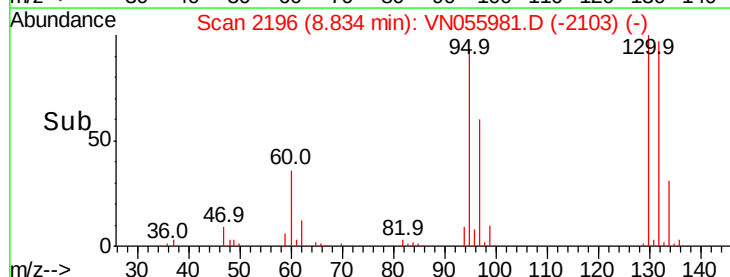
40000

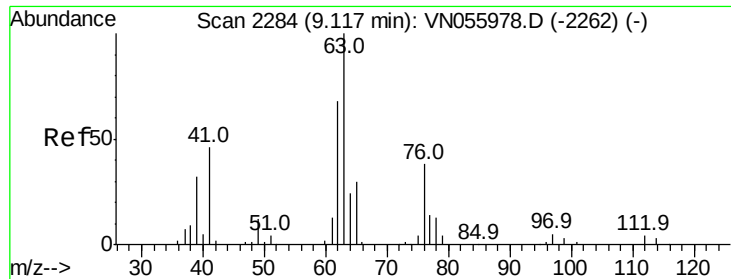
20000

0

8.70 8.80 8.90 9.00

Time-->





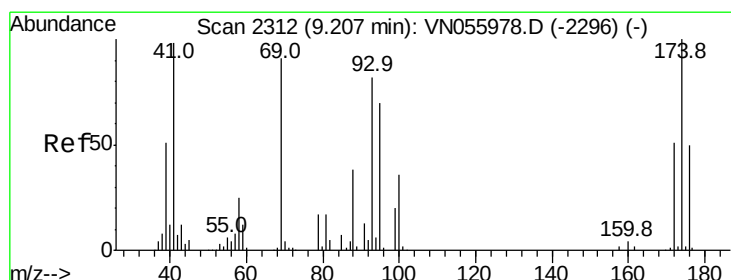
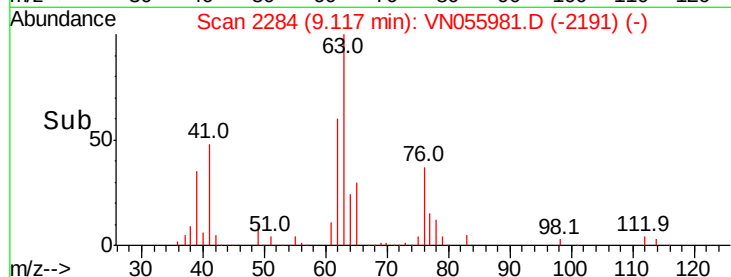
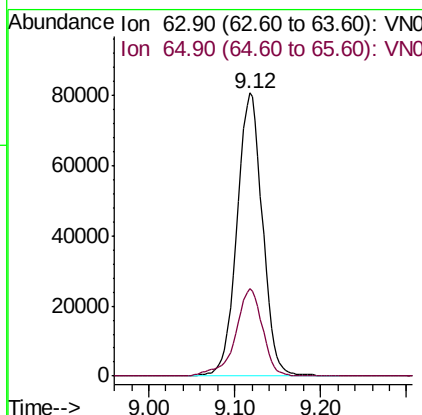
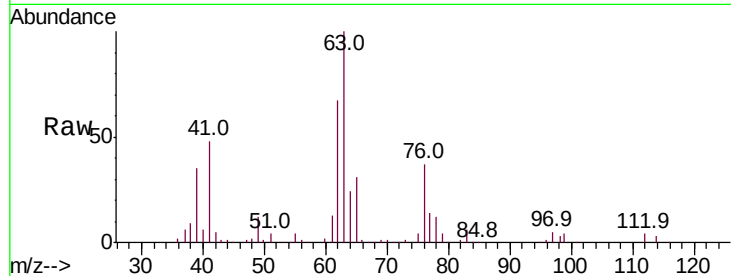
#45
 1,2-Dichloropropane
 Concen: 50.727 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.6	36.8

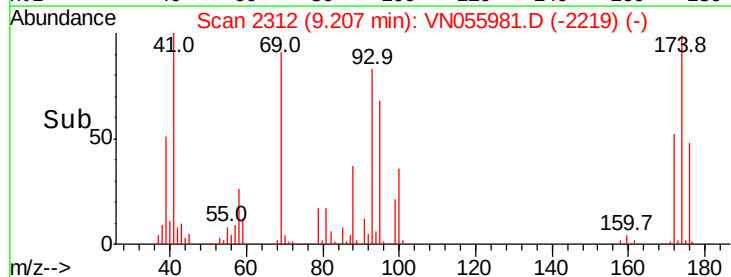
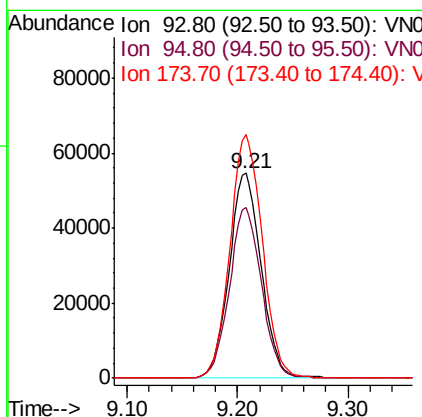
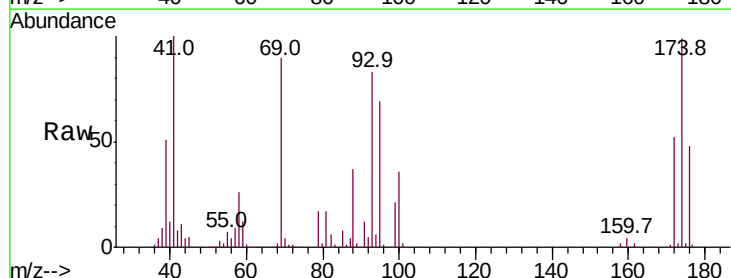
Manual Integrations
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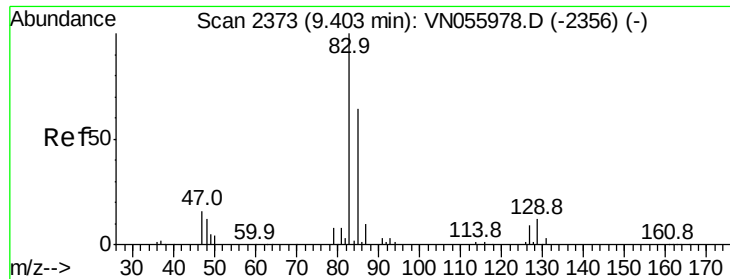
MMDadoda
 6/5/2019 4:03:50 PM



#46
 Dibromomethane
 Concen: 51.164 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	120.3	96.4	144.6





#47

Bromodichloromethane

Concen: 52.148 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

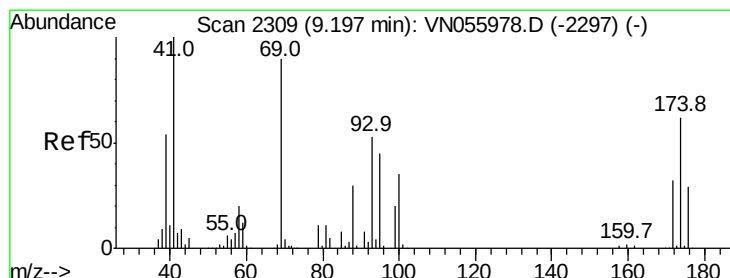
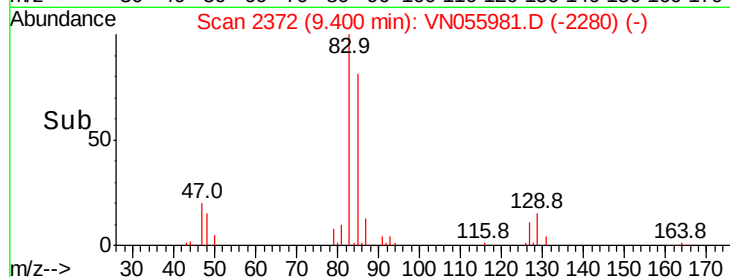
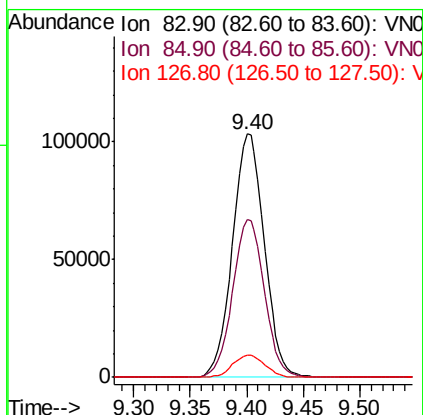
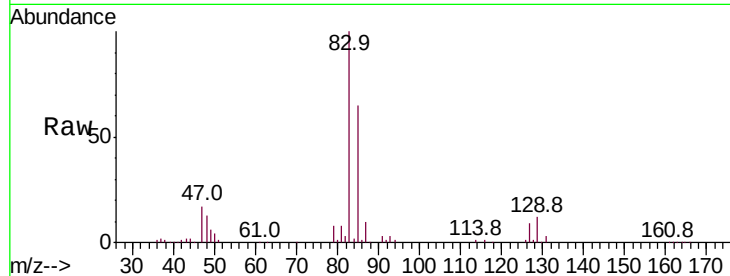
ClientSampled :

ICVVN060419

Tot Ion:	83	Resp:	202740
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.2
127	9.0	7.4	11.0

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#48

Methyl methacrylate

Concen: 50.166 ug/l

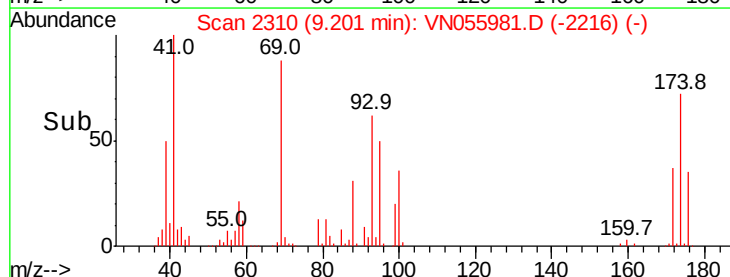
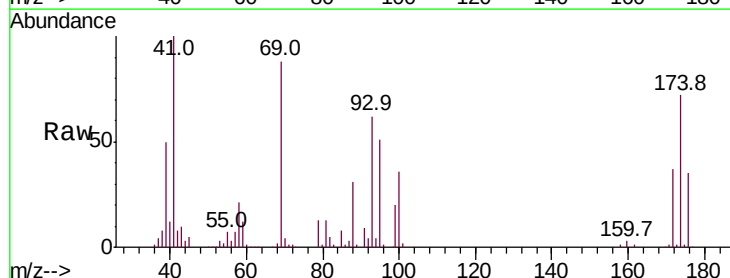
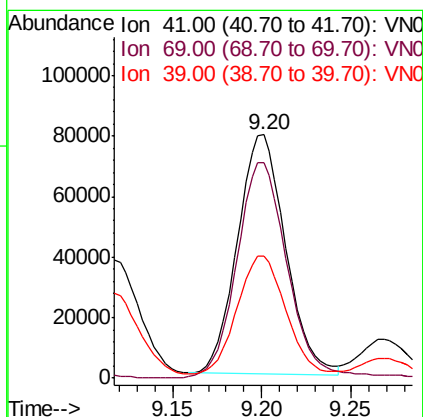
RT: 9.20 min Scan# 2310

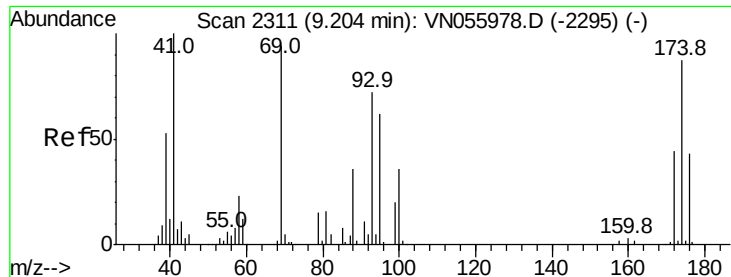
Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion:	41	Resp:	149207
Ion	Ratio	Lower	Upper
41	100		
69	94.4	71.0	106.6
39	53.5	44.2	66.2





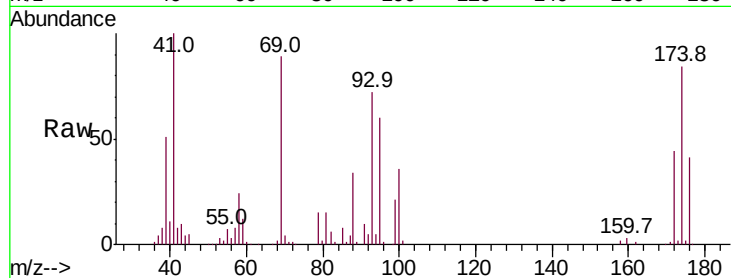
#49
1,4-Dioxane
Concen: 1031.731 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

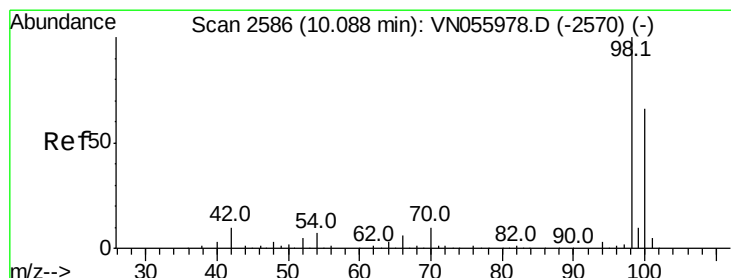
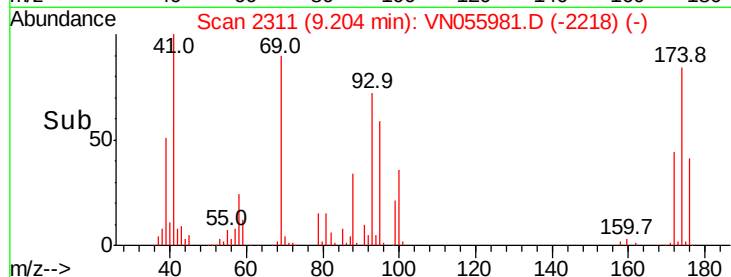
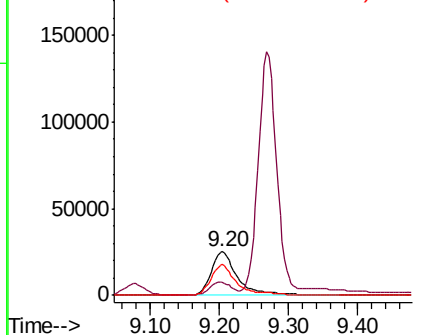
Tot Ion	88	Resp	66249
Ion	Ratio	Lower	Upper
88	100		
43	24.5	20.5	30.7
58	69.3	55.8	83.6

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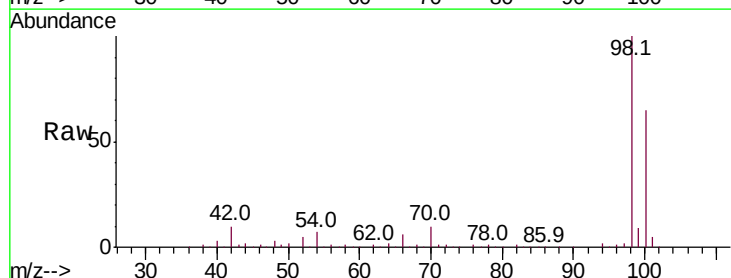


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

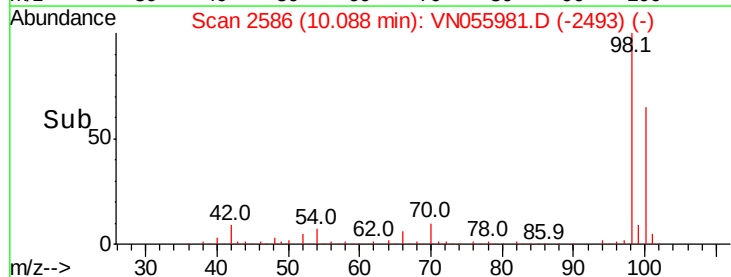
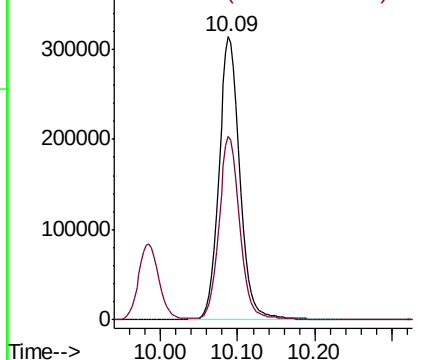


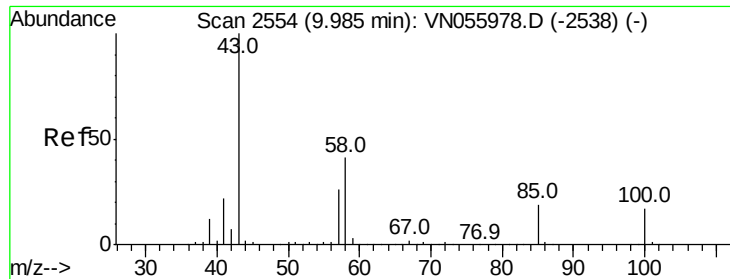
#50
Toluene-d8
Concen: 51.245 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	98	Resp	593274
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 255.198 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tot Ion: 43 Resp: 970226

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1

Instrument :

MSVOA_N

ClientSampled :

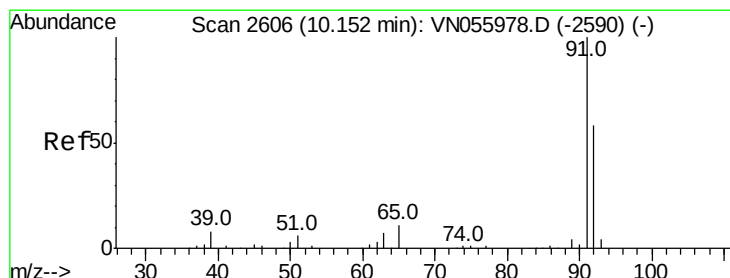
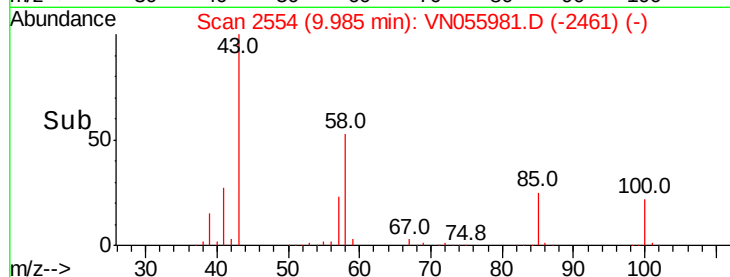
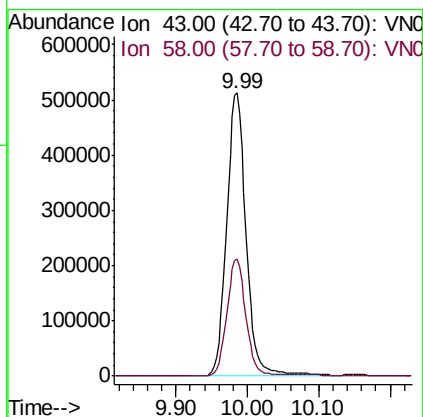
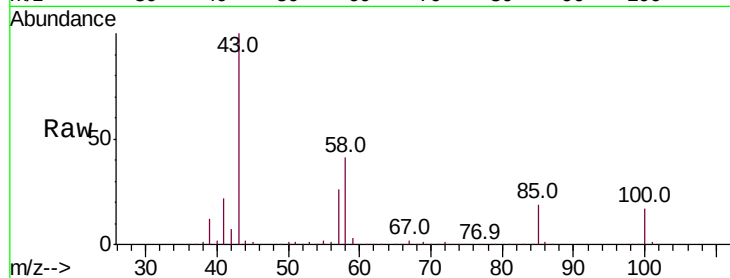
ICVVN060419

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#52

Toluene

Concen: 50.716 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055981.D

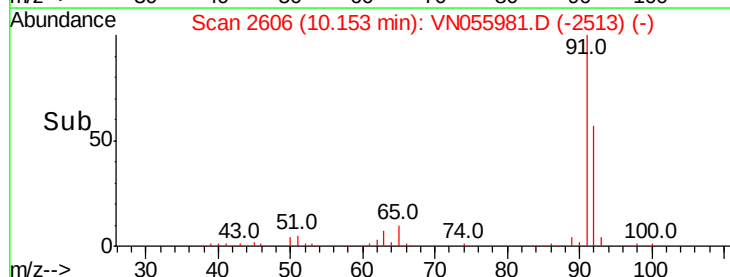
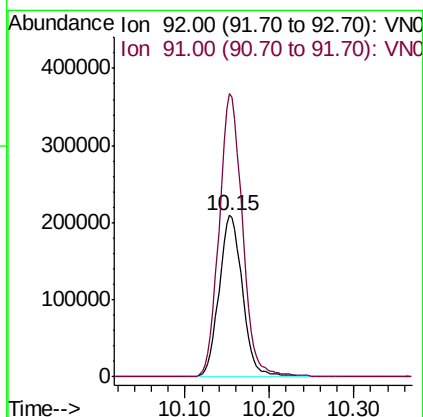
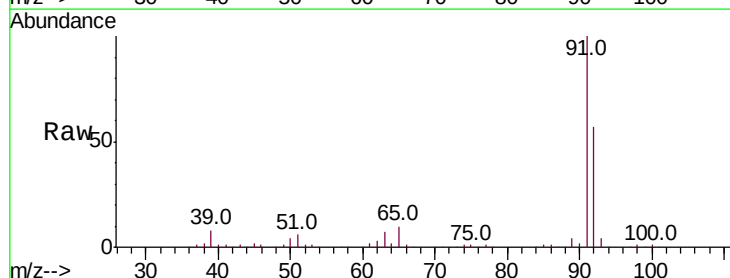
Acq: 4 Jun 2019 10:52

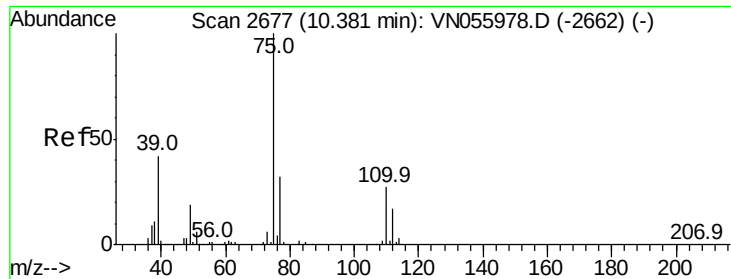
Tgt Ion: 92 Resp: 404163

Ion Ratio Lower Upper

92 100

91 175.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 48.375 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICV060419

Tot Ion: 75 Resp: 220125

Ion Ratio Lower Upper

75 100

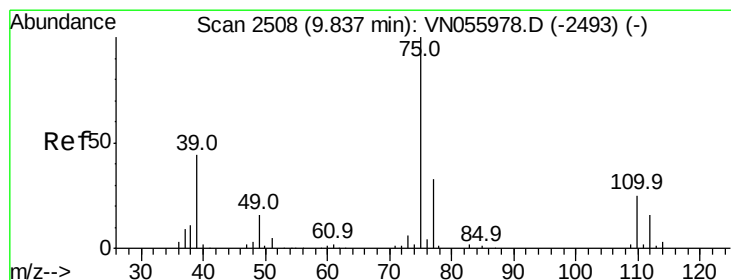
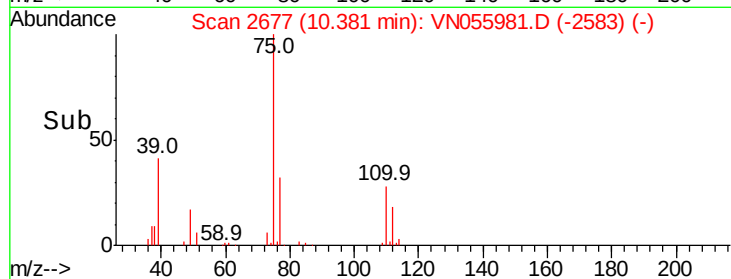
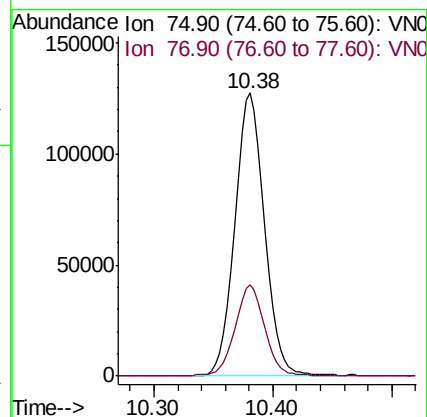
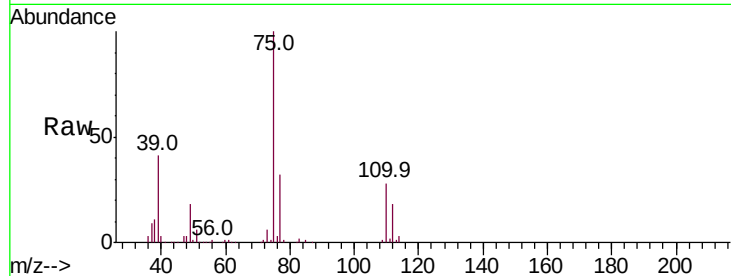
77 31.9 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.069 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

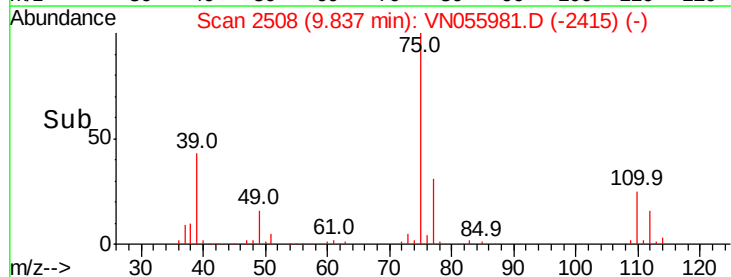
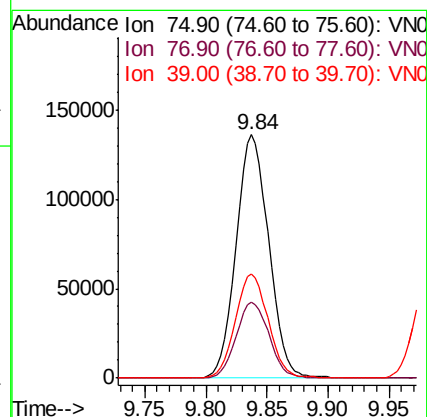
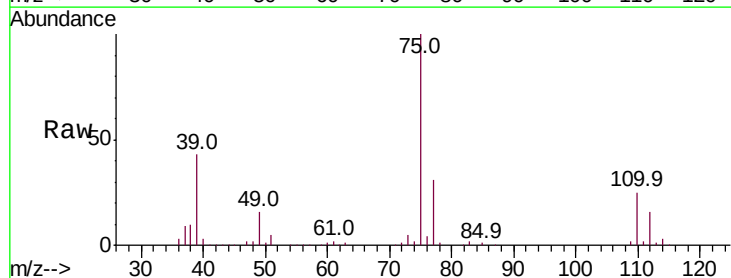
Tgt Ion: 75 Resp: 252675

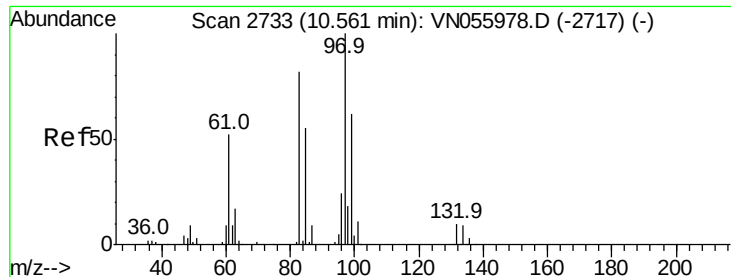
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 42.9 36.3 54.5





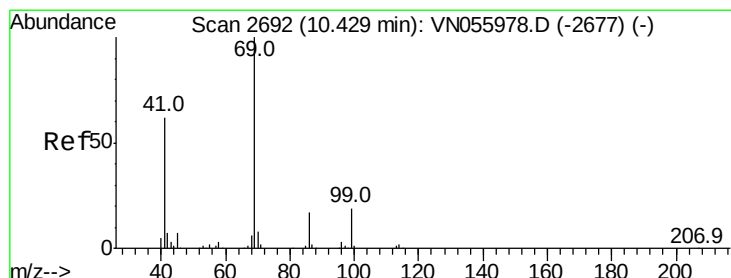
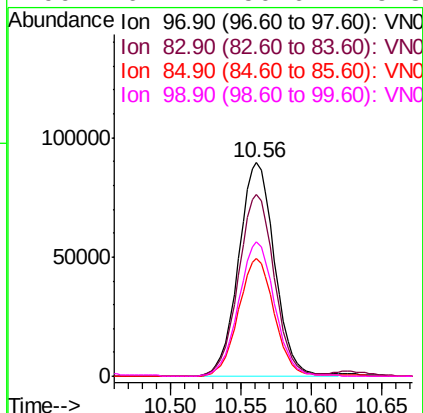
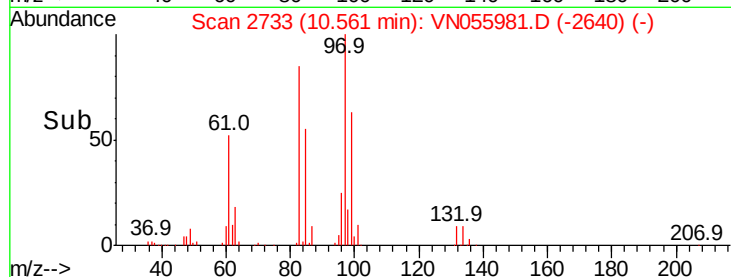
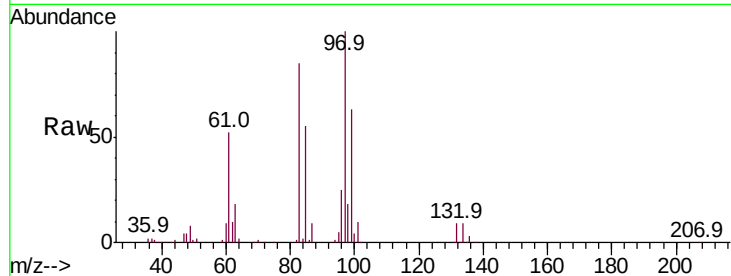
#55
 1,1,2-Trichloroethane
 Concen: 50.790 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.0	100.6
85	55.1	44.0	66.0
99	62.7	50.6	75.8

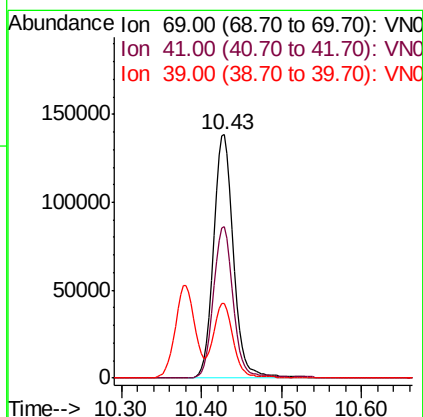
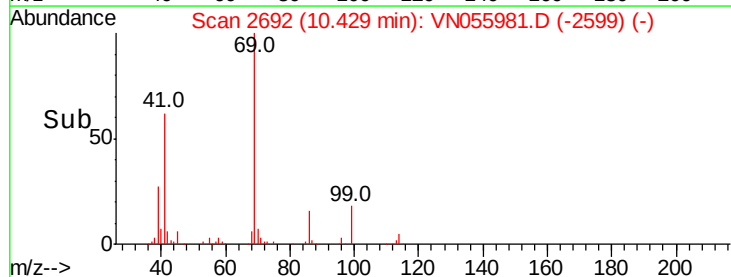
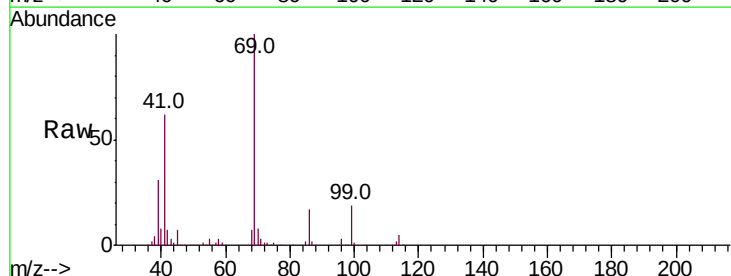
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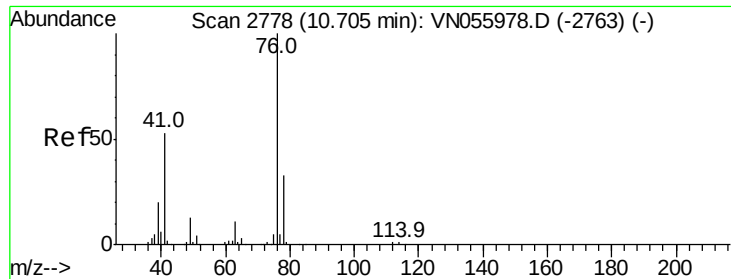
MMDadoda
 6/5/2019 4:03:50 PM



#56
 Ethyl methacrylate
 Concen: 52.396 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	30.3	24.7	37.1





#57

1,3-Dichloropropane

Concen: 50.399 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 76 Resp: 258630

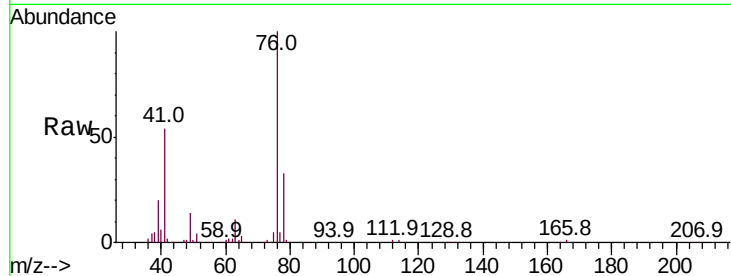
Ion Ratio Lower Upper

76 100

78 32.1 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

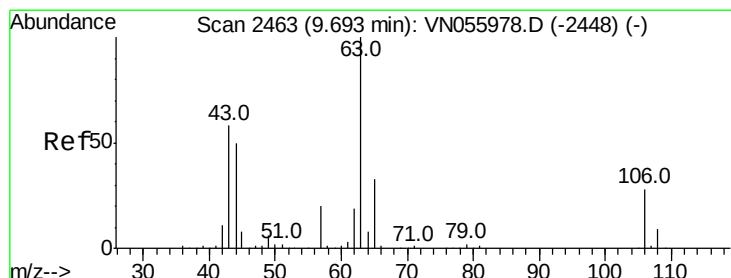
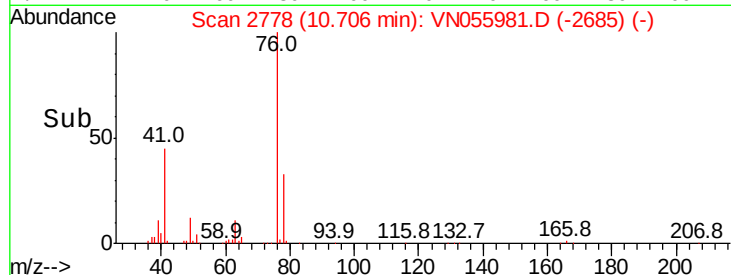
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 232.867 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055981.D

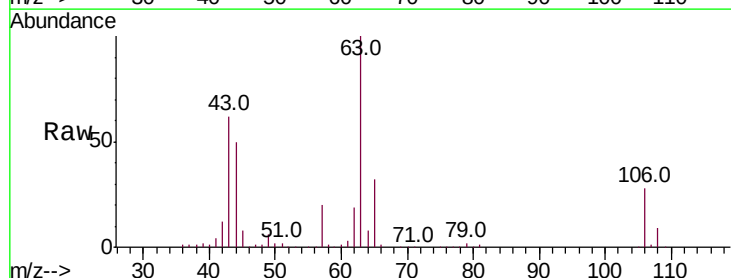
Acq: 4 Jun 2019 10:52

Tgt Ion: 63 Resp: 423216

Ion Ratio Lower Upper

63 100

106 28.8 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

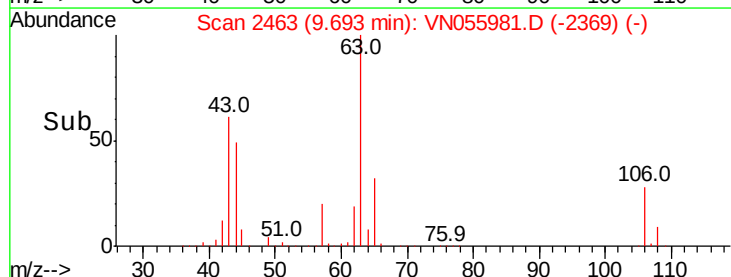
150000

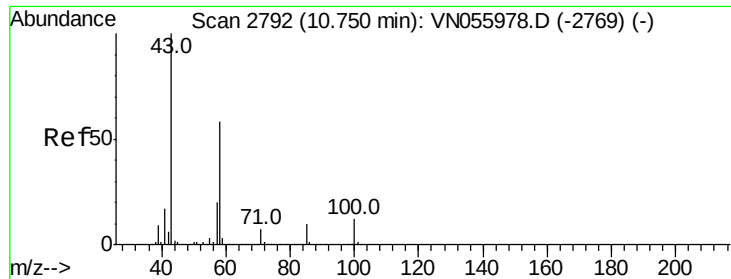
100000

50000

0

Time-->





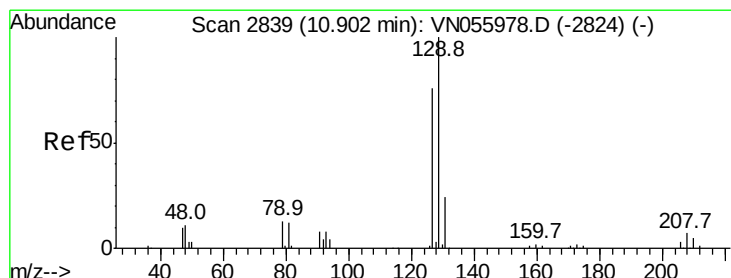
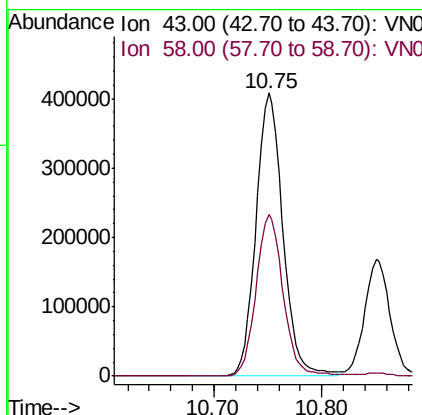
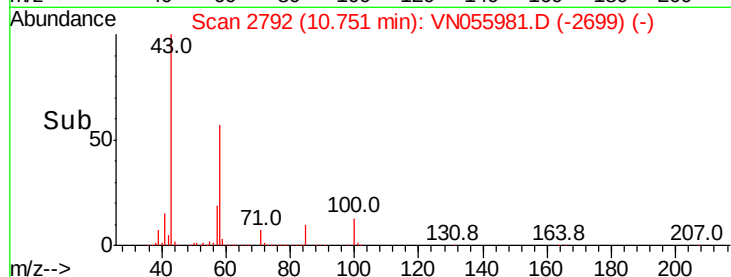
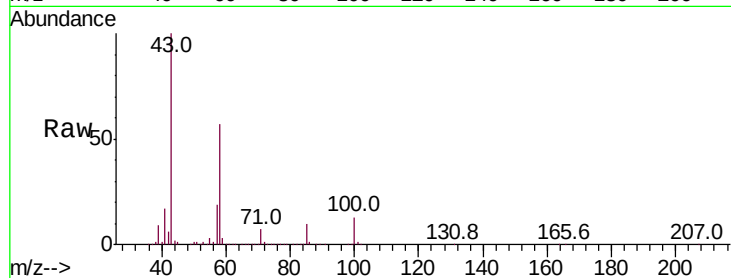
#59
2-Hexanone
Concen: 256.819 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion: 43 Resp: 707663
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7

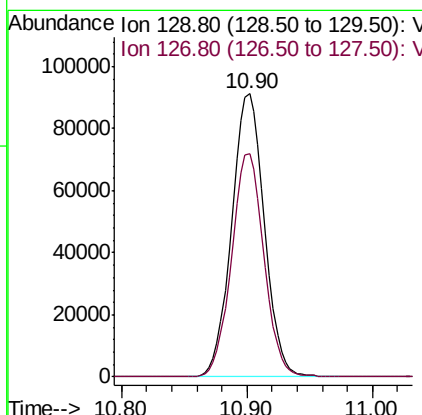
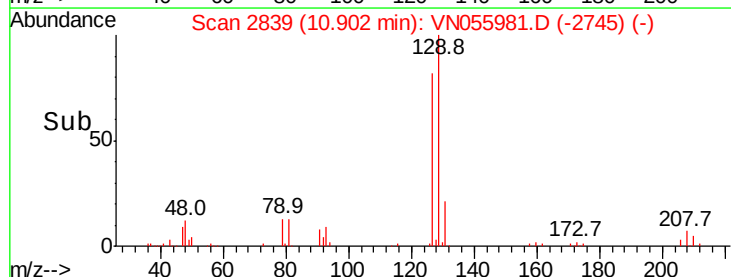
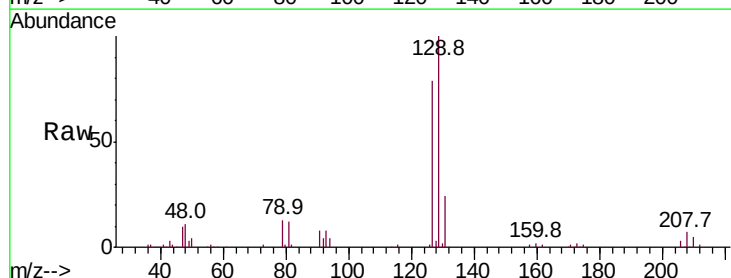
Manual Integrations
APPROVED

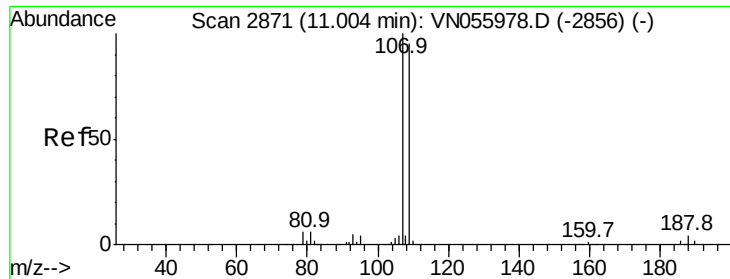
MMDadoda
6/5/2019 4:03:50 PM



#60
Dibromochloromethane
Concen: 47.512 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 129 Resp: 164967
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.595 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion: 107 Resp: 166503

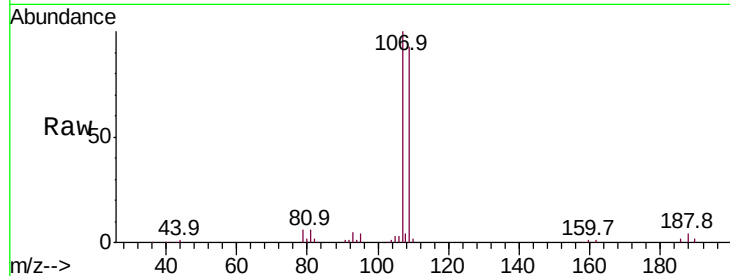
Ion Ratio Lower Upper

107 100

109 94.0 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:50 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

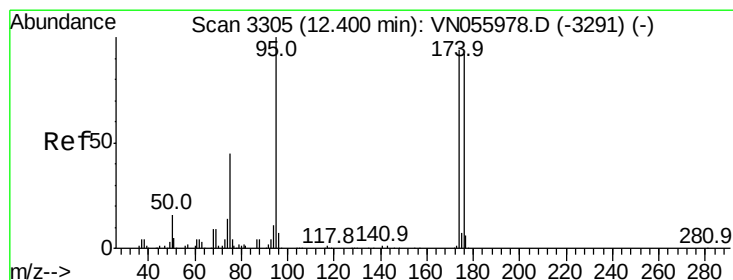
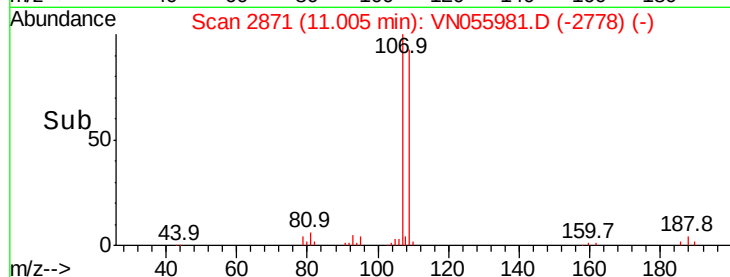
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.802 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

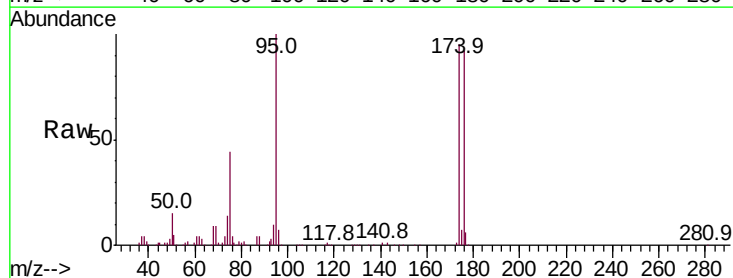
Tgt Ion: 95 Resp: 203951

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.0

176 92.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

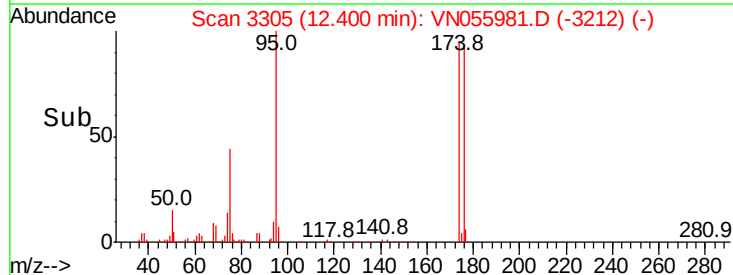
150000

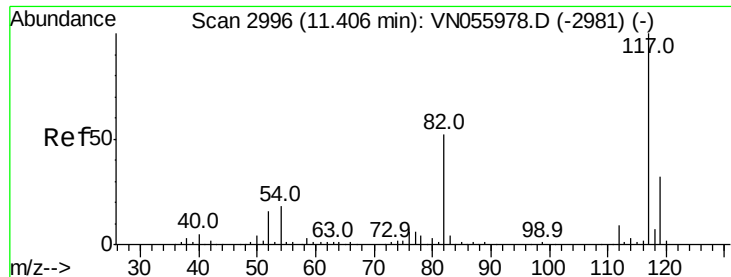
100000

50000

0

Time-->





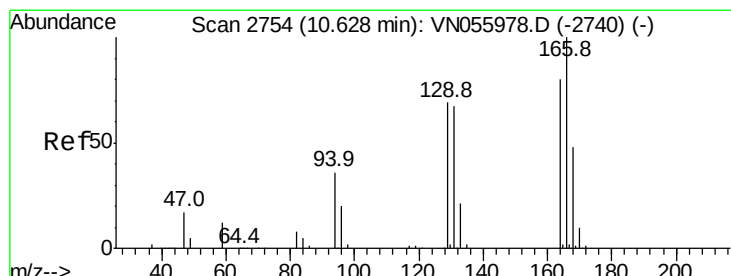
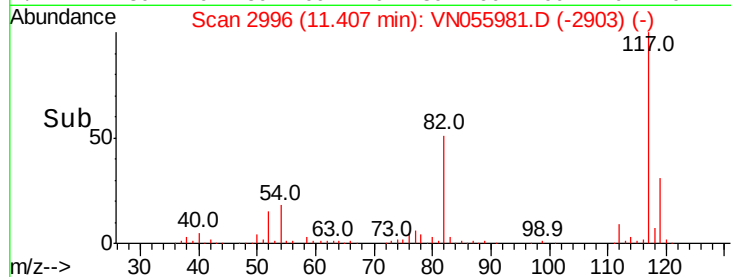
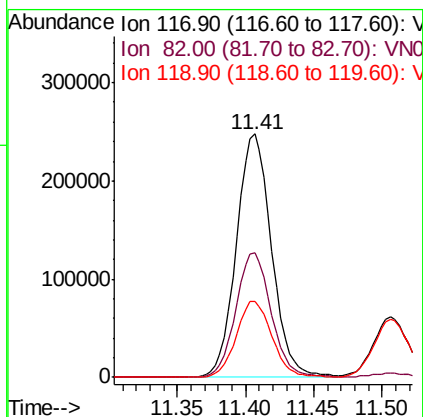
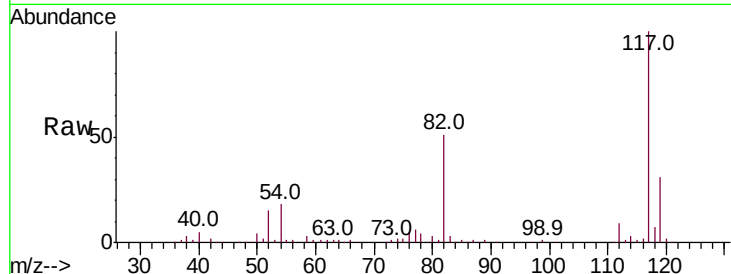
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.8	62.8
119	31.1	25.4	38.0

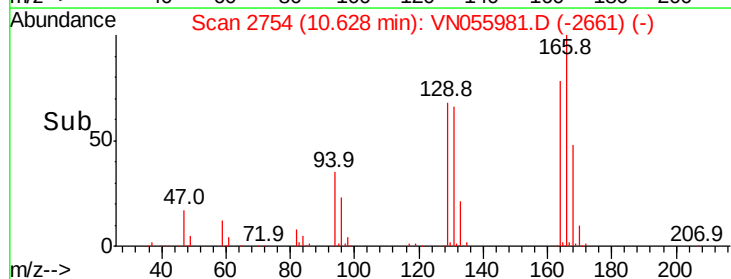
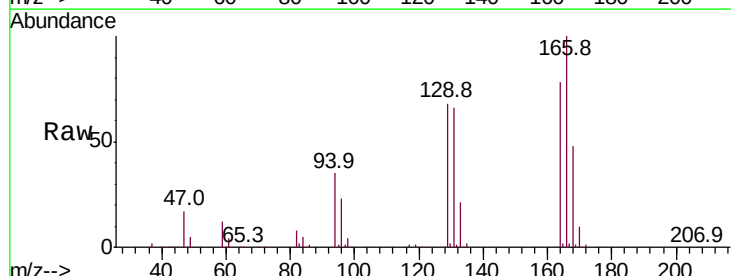
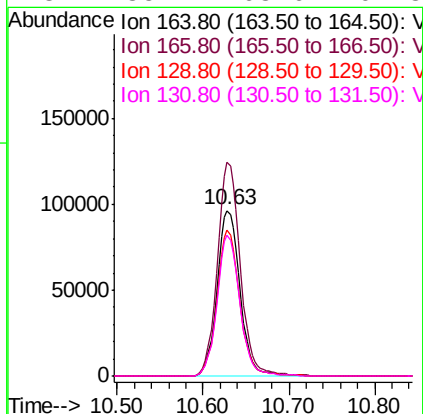
Manual Integrations
APPROVED

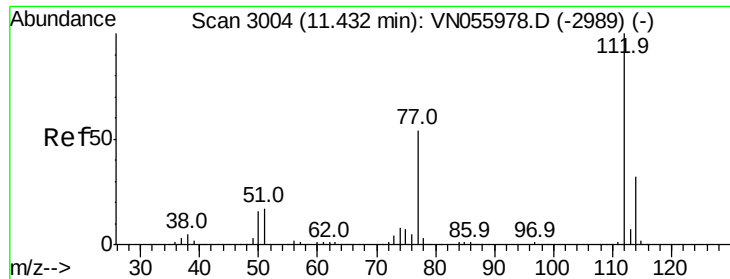
MMDadoda
6/5/2019 4:03:50 PM



#64
Tetrachloroethene
Concen: 46.514 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.0	154.6
129	87.9	70.6	105.8
131	85.1	68.6	102.8





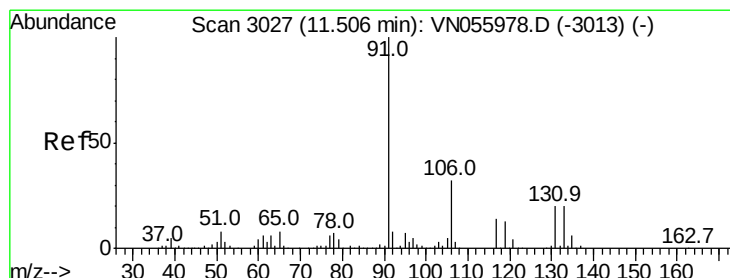
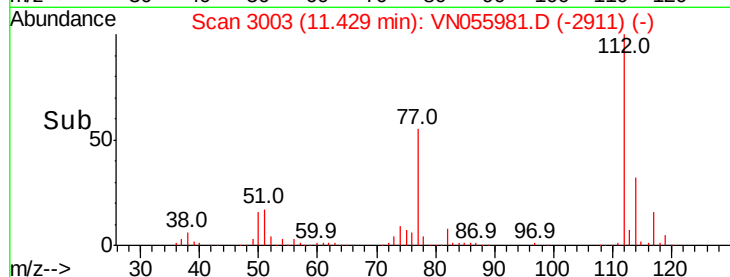
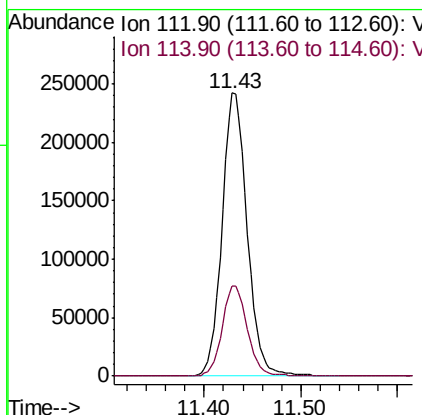
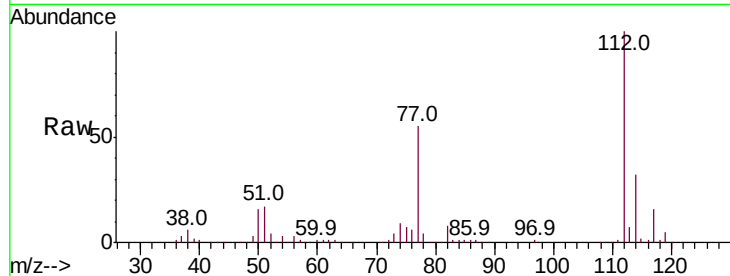
#65
Chlorobenzene
Concen: 49.349 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion:112 Resp: 435952
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

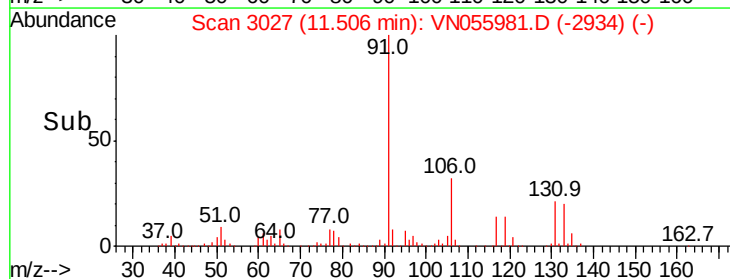
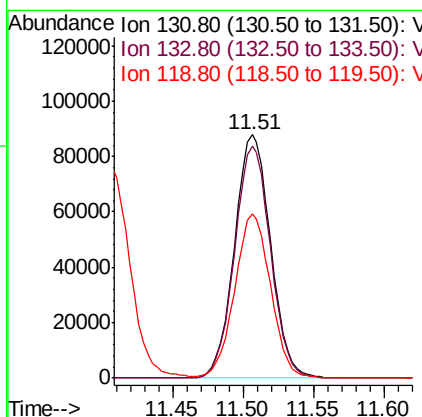
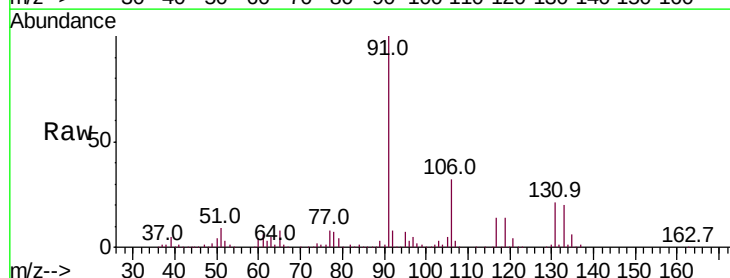
Manual Integrations
APPROVED

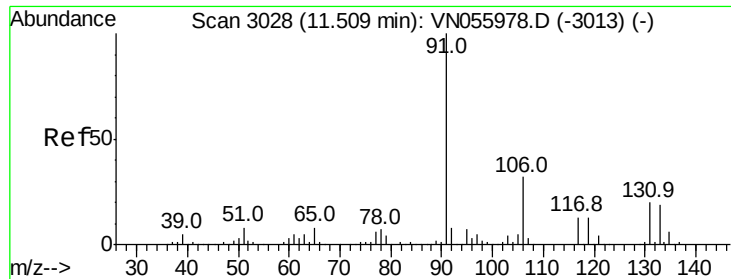
MMDadoda
6/5/2019 4:03:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.706 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:131 Resp: 157717
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 67.3 33.1 99.5





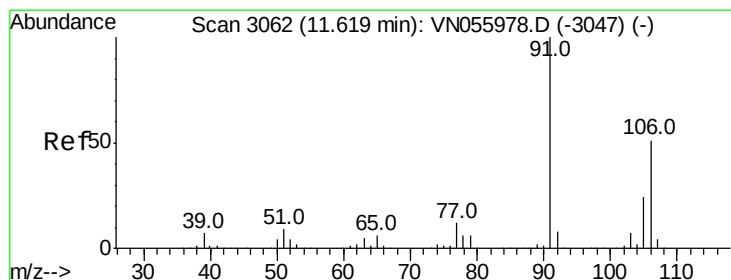
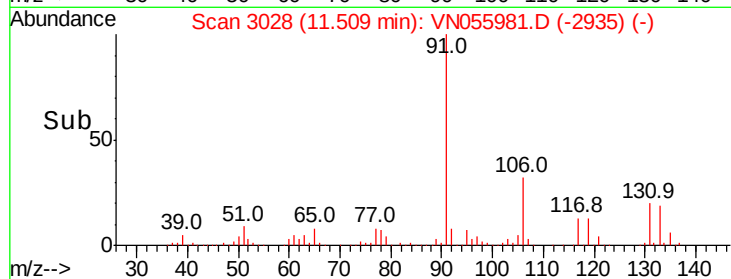
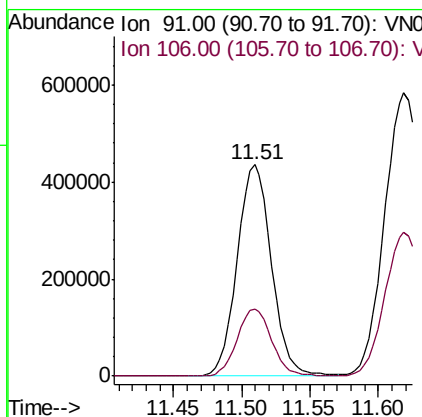
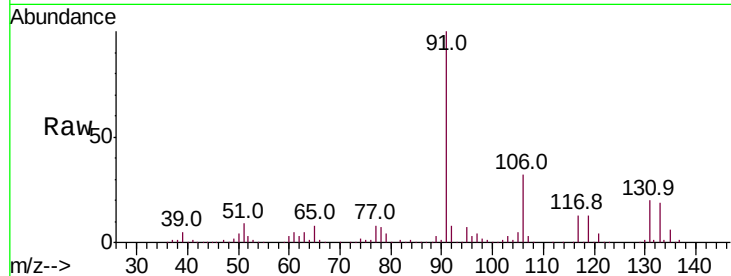
#67
Ethyl Benzene
Concen: 49.568 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion: 91 Resp: 761405
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

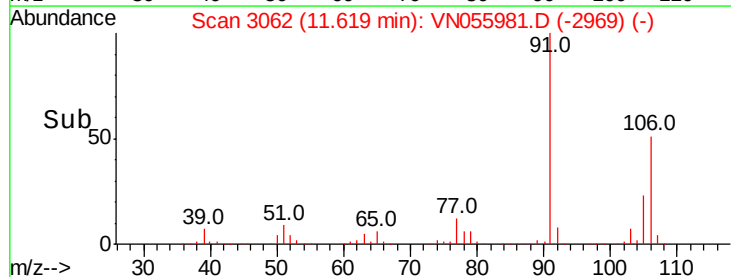
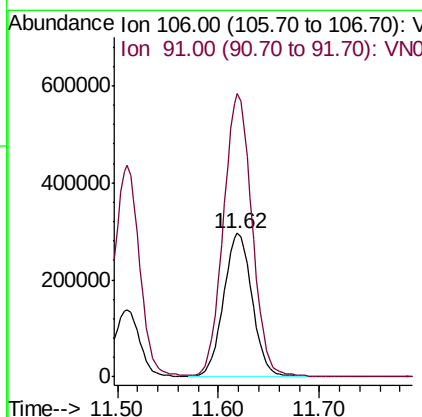
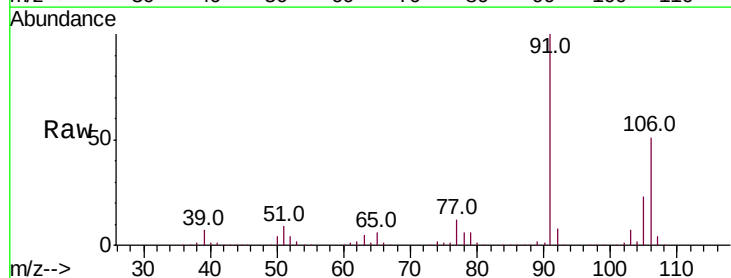
Manual Integrations
APPROVED

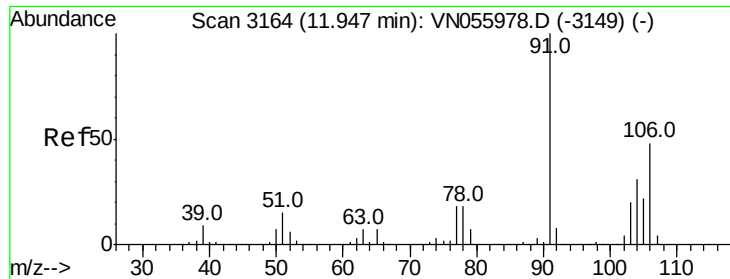
MMDadoda
6/5/2019 4:03:50 PM



#68
m/p-Xylenes
Concen: 99.842 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 106 Resp: 585875
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9





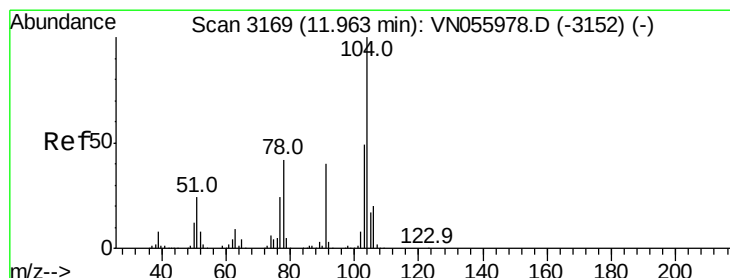
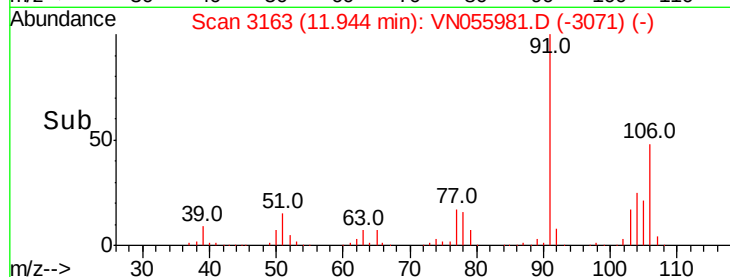
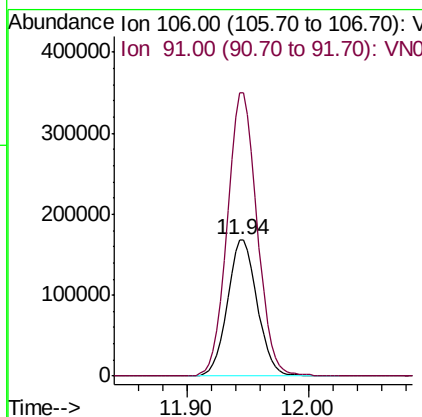
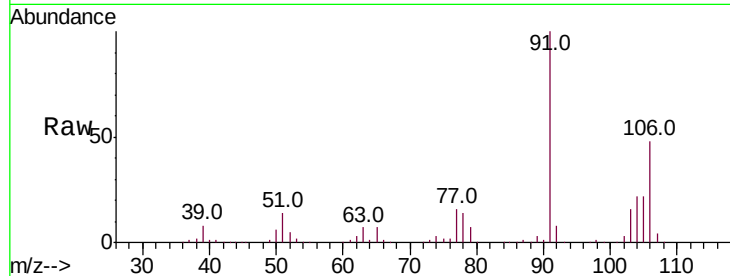
#69
o-Xylene
Concen: 49.729 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion:106 Resp: 287041
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

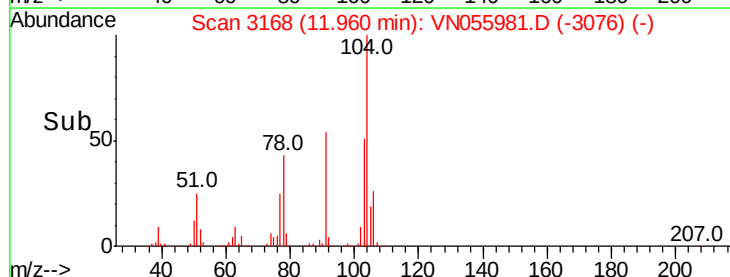
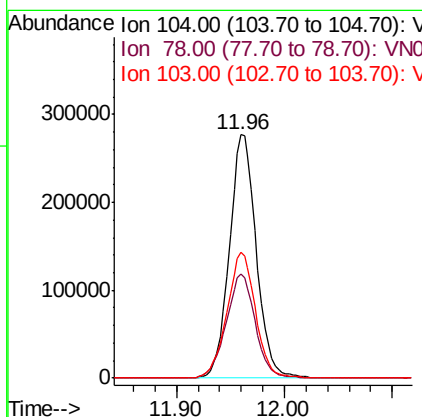
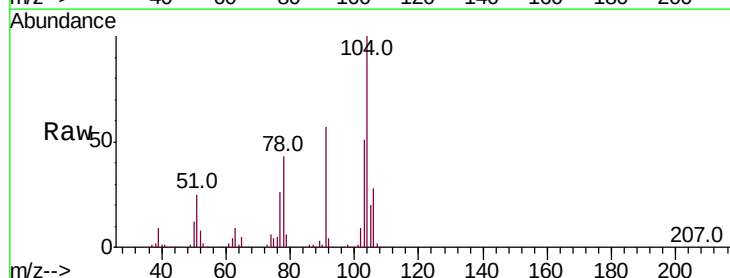
Manual Integrations
APPROVED

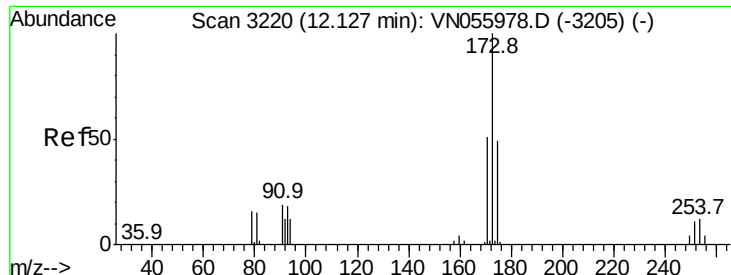
MMDadoda
6/5/2019 4:03:50 PM



#70
Styrene
Concen: 52.533 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:104 Resp: 481783
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.8 44.2 66.2





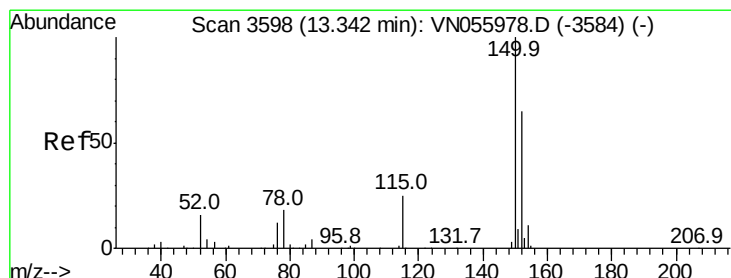
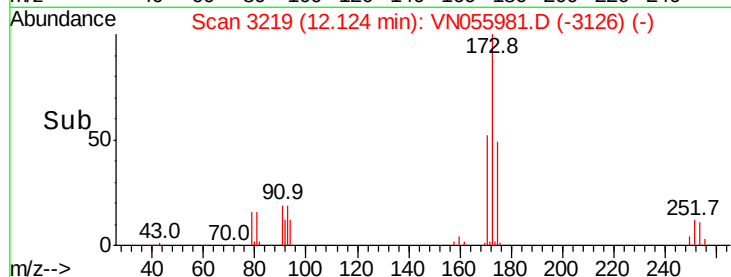
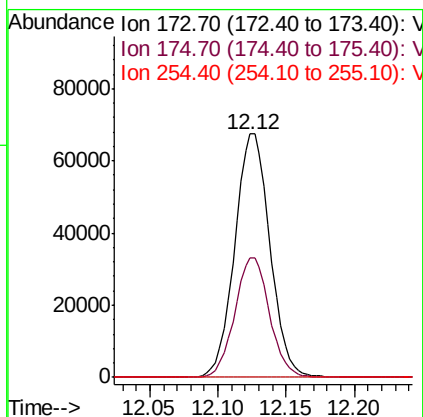
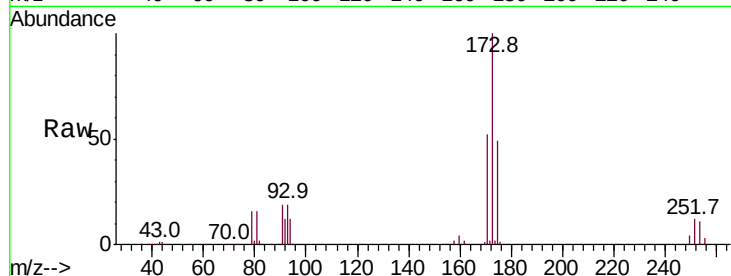
#71
Bromoform
Concen: 47.258 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.0	0.0

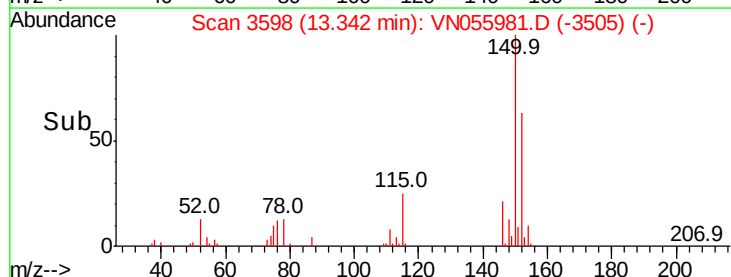
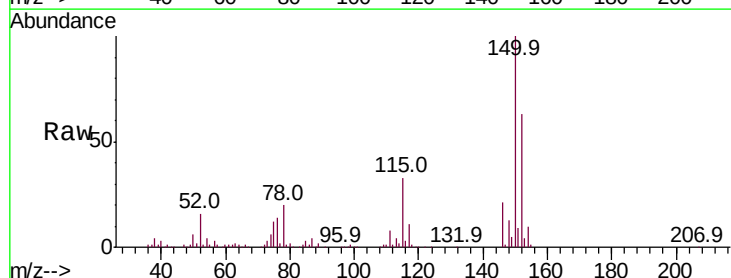
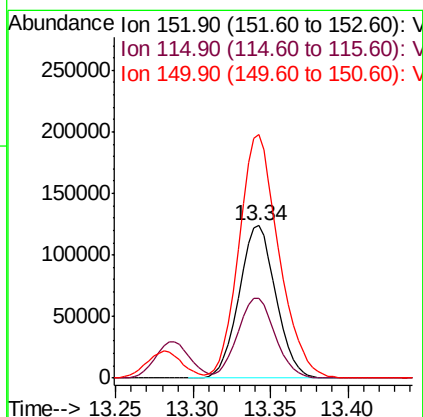
Manual Integrations
APPROVED

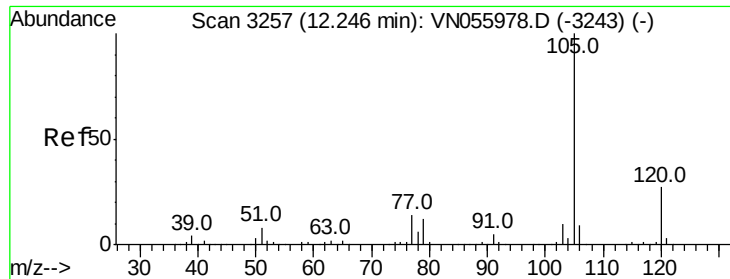
MMDadoda
6/5/2019 4:03:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	27.0	81.0
150	172.8	0.0	343.2





#73

Isopropylbenzene

Concen: 51.685 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion:105 Resp: 753844

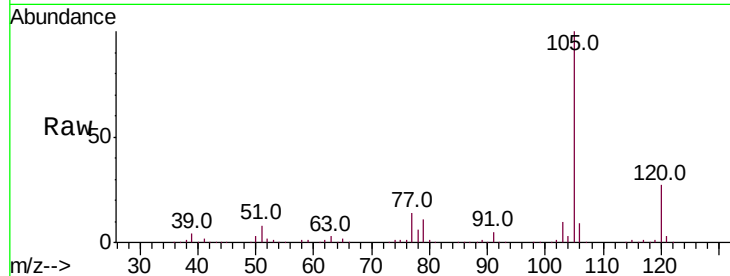
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

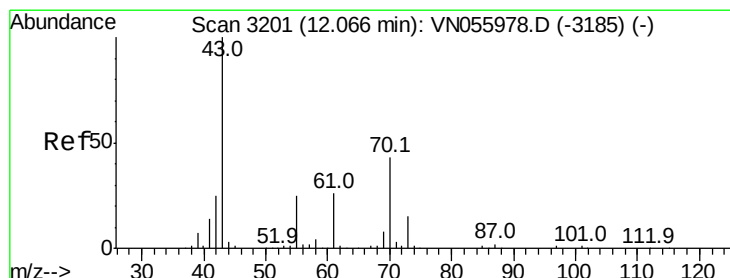
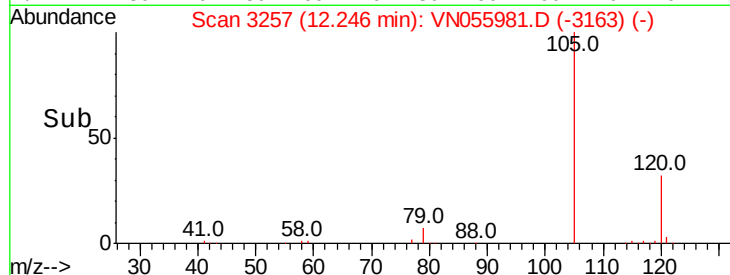
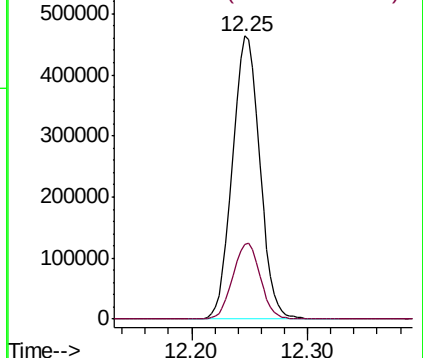
Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.009 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion: 43 Resp: 267744

Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 24.7 18.6 28.0

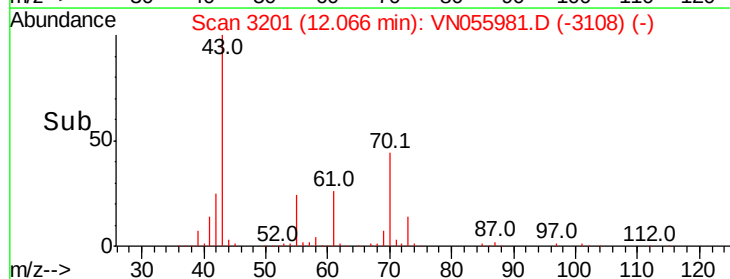
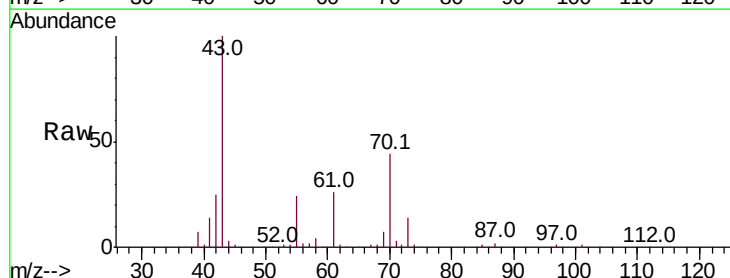
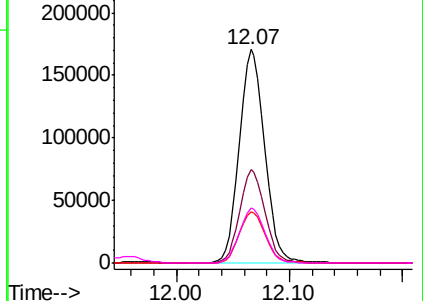
61 25.6 20.0 30.0

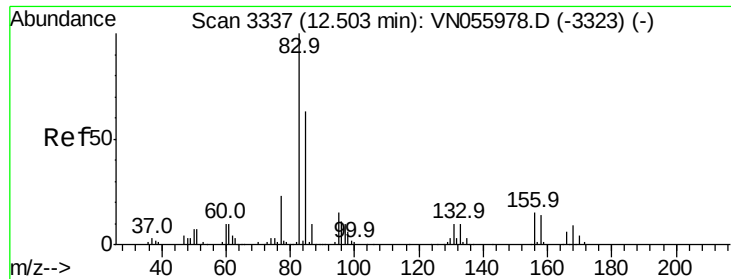
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.704 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

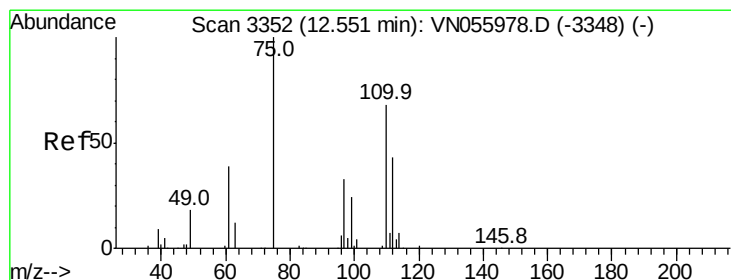
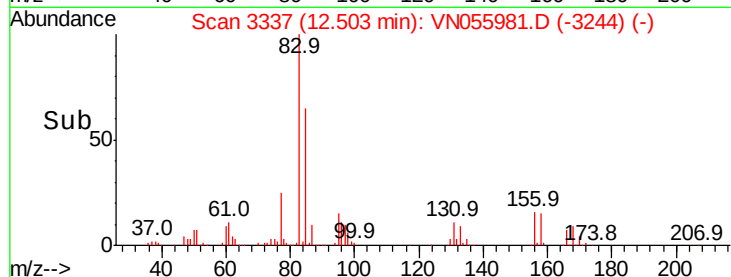
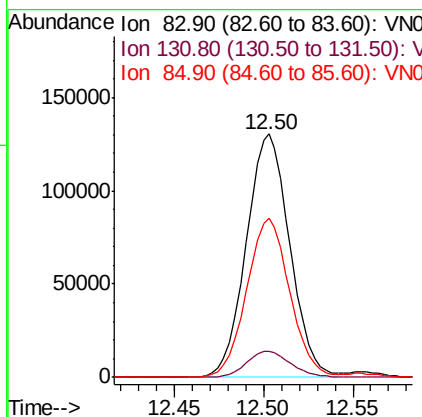
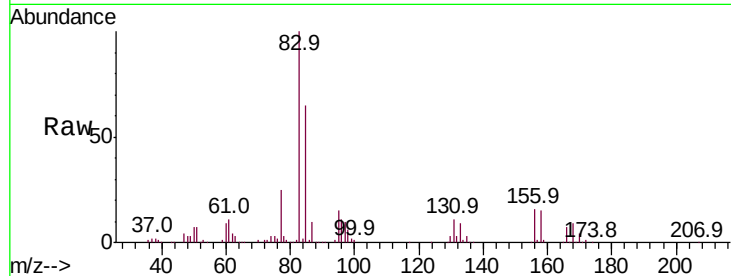
ClientSampleId :

ICVVN060419

Tot Ion:	83	Resp:	222201
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.997 ug/l m

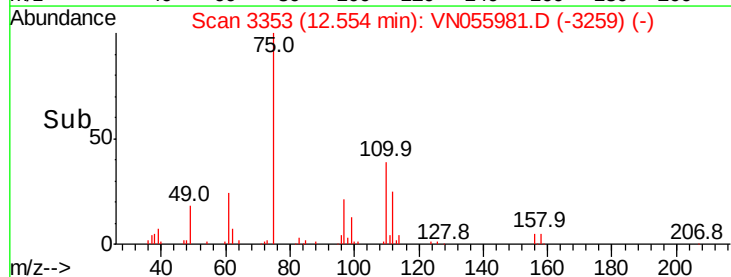
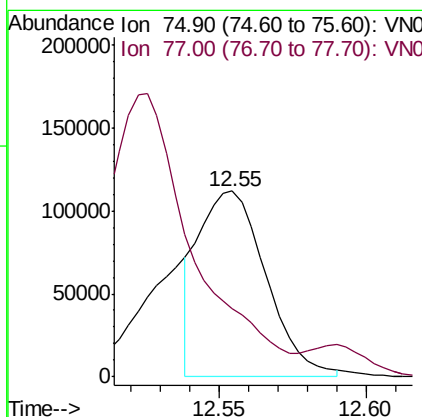
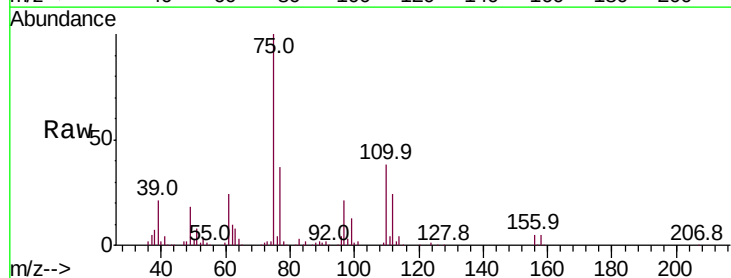
RT: 12.55 min Scan# 3353

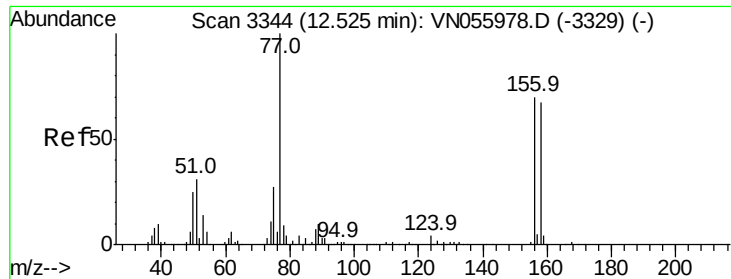
Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion:	75	Resp:	177229
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.610 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

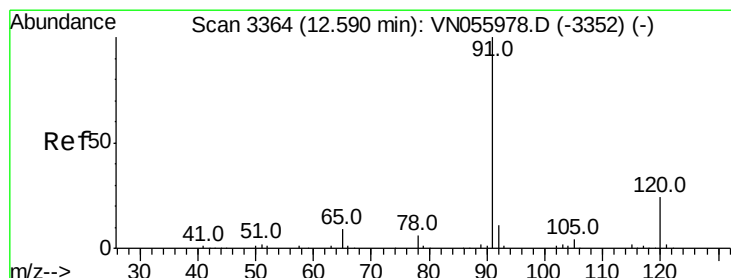
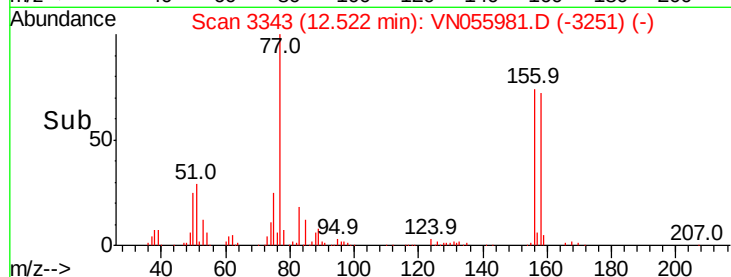
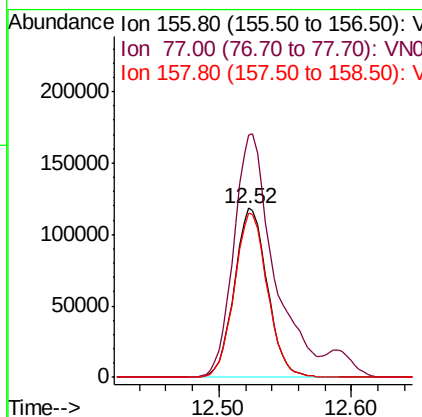
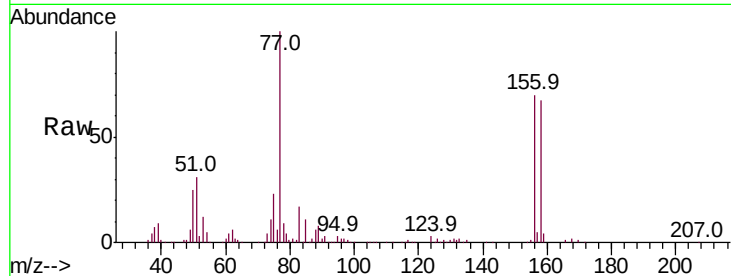
ClientSampleId :

ICVVN060419

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.4	90.8	272.5
158	97.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.561 ug/l

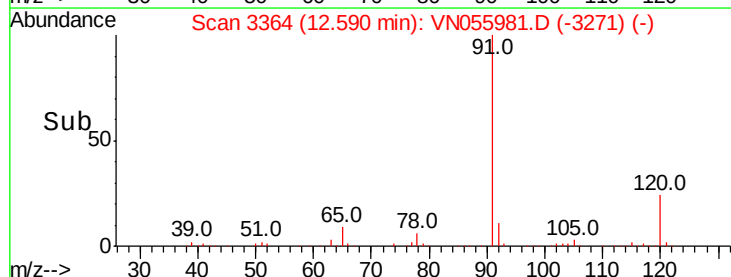
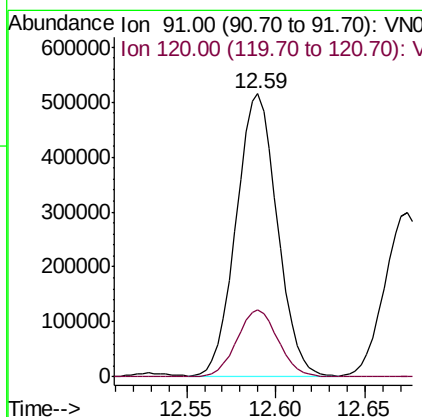
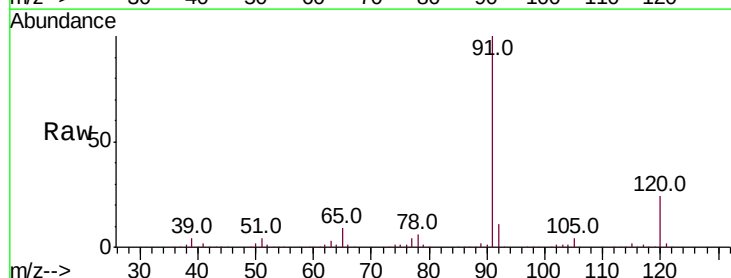
RT: 12.59 min Scan# 3364

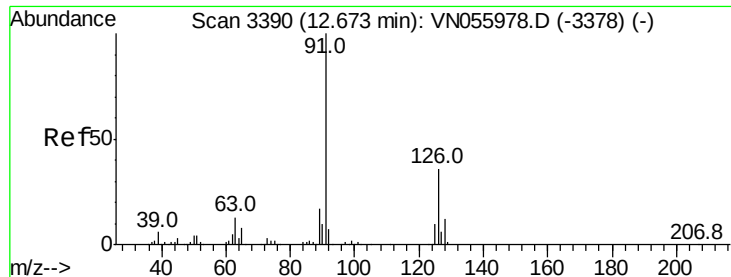
Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.737 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

Tot Ion: 91 Resp: 496778

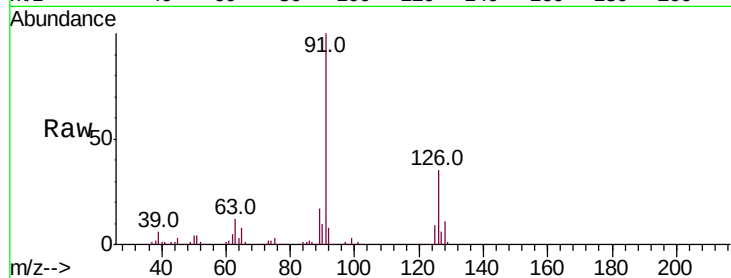
Ion Ratio Lower Upper

91 100

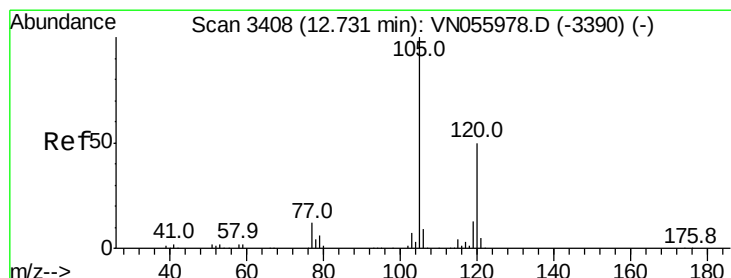
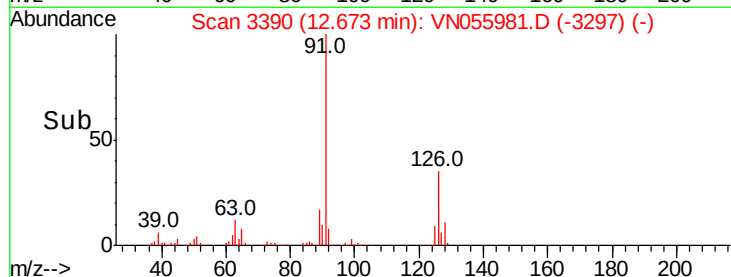
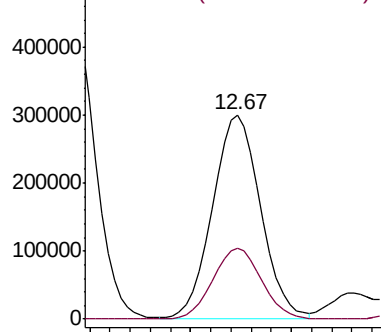
126 35.7 18.1 54.4

Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.768 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055981.D

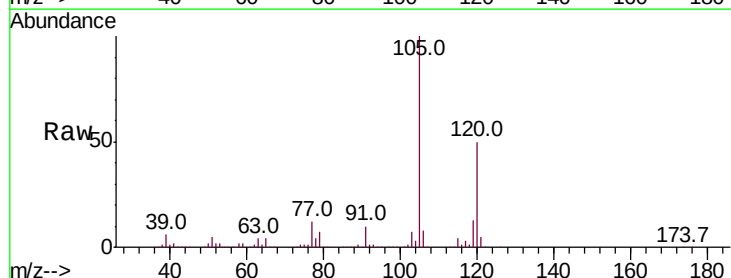
Acq: 4 Jun 2019 10:52

Tgt Ion: 105 Resp: 630668

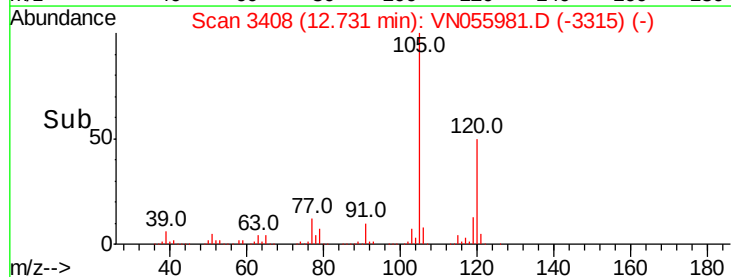
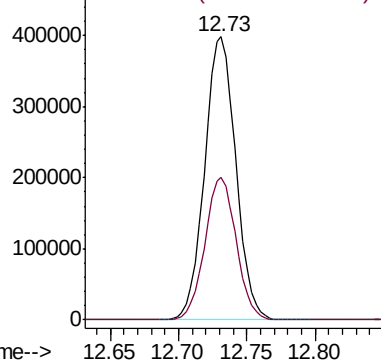
Ion Ratio Lower Upper

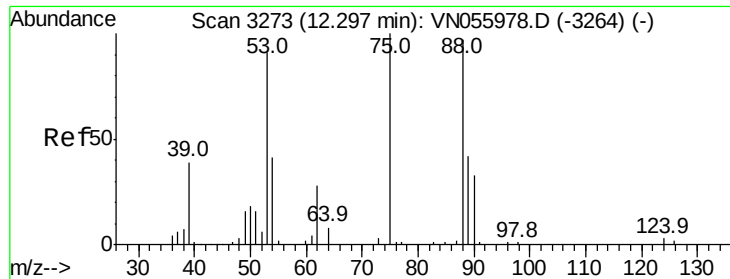
105 100

120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





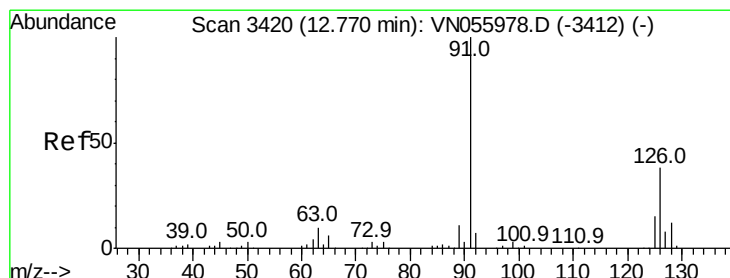
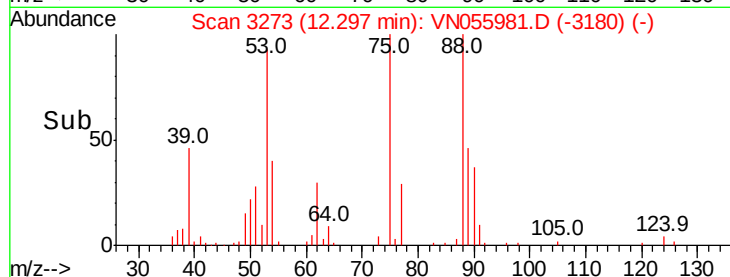
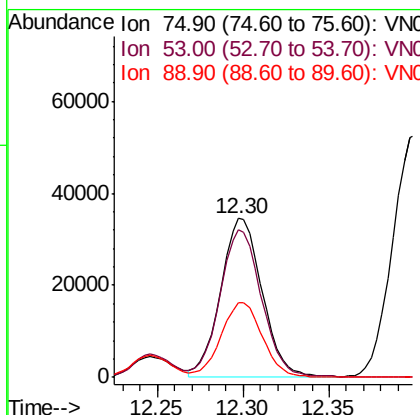
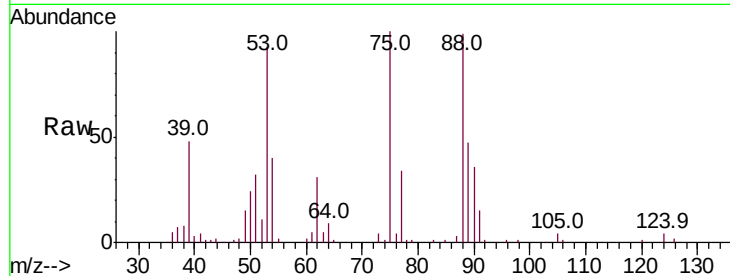
#81
trans-1,4-Dichloro-2-butene
Concen: 51.380 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	68.1	102.1
89	46.7	36.9	55.3

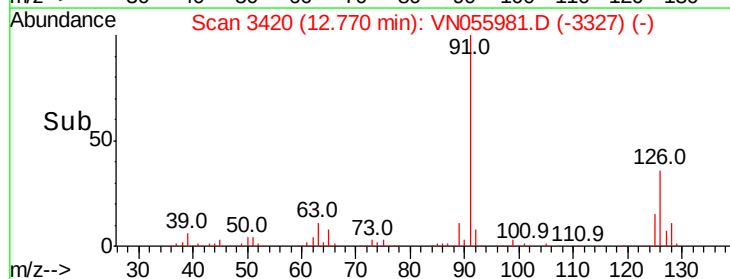
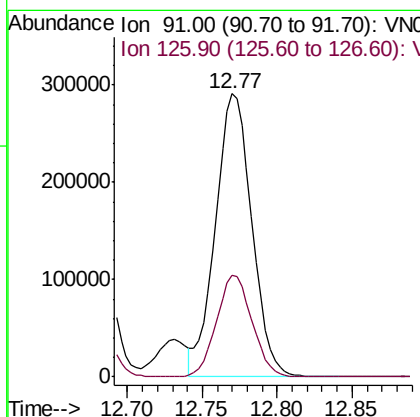
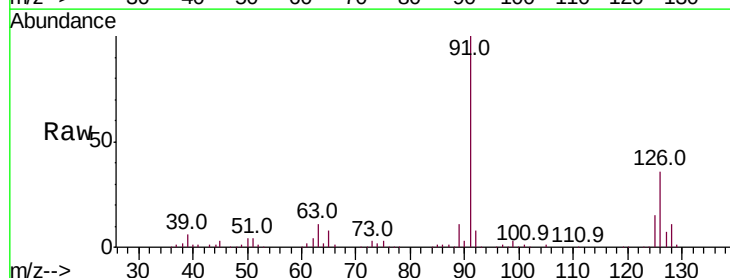
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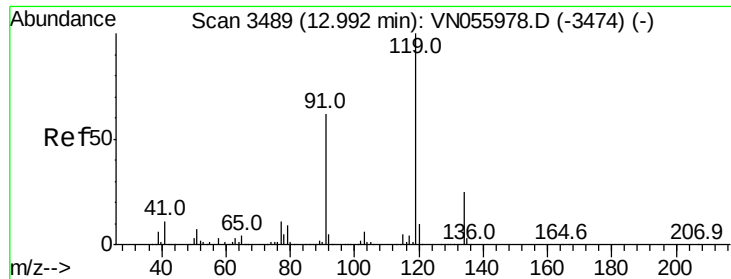
MMDadoda
6/5/2019 4:03:50 PM



#82
4-Chlorotoluene
Concen: 48.464 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





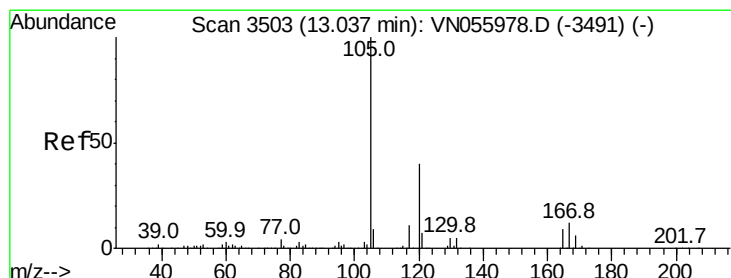
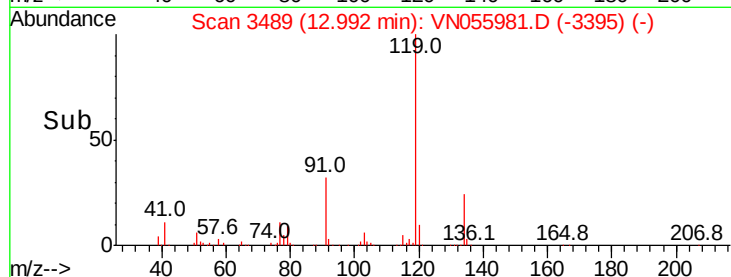
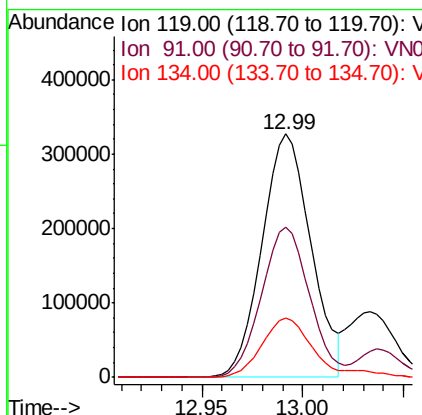
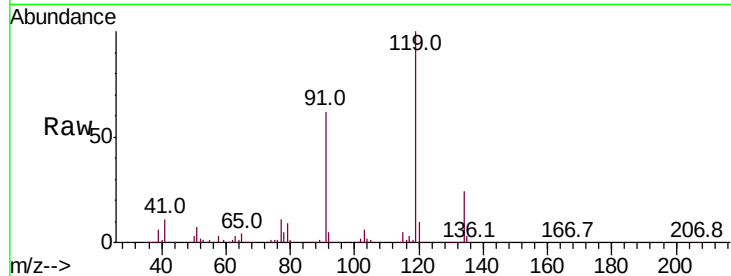
#83
 tert-Butylbenzene
 Concen: 51.864 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.8
134	24.3	13.3	39.8

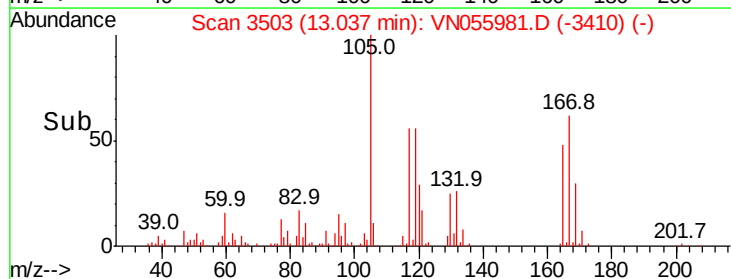
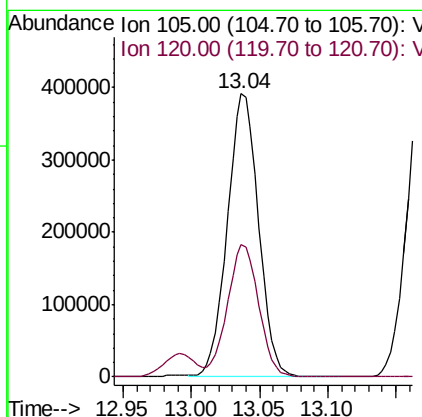
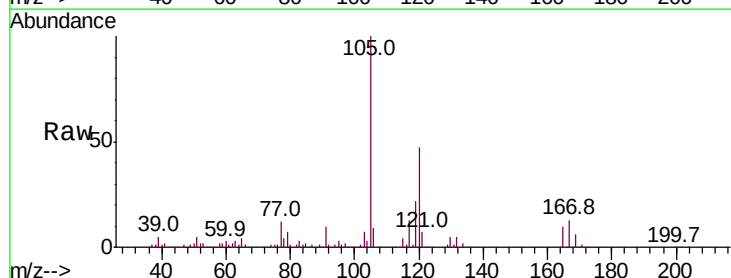
Manual Integrations
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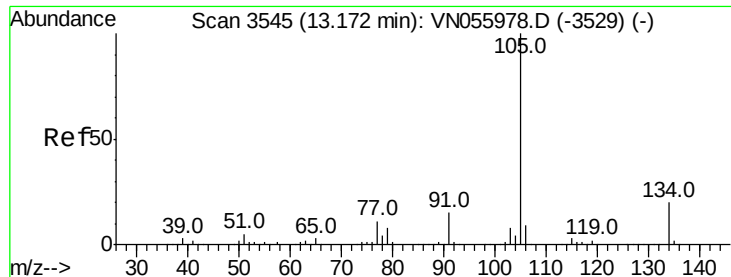
MMDadoda
 6/5/2019 4:03:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.435 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 46.911 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

Tot Ion:105 Resp: 720300

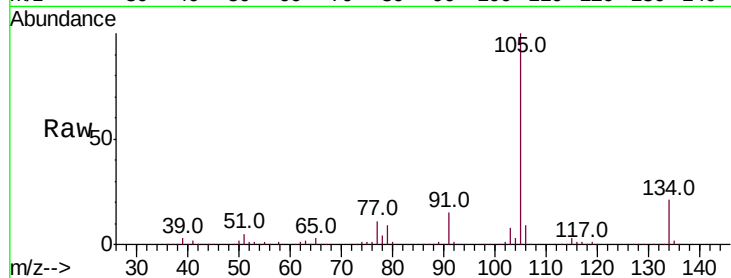
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2

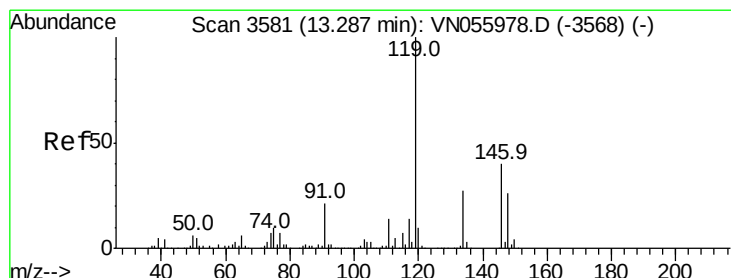
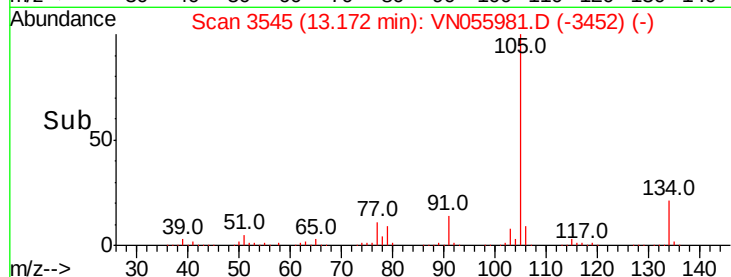
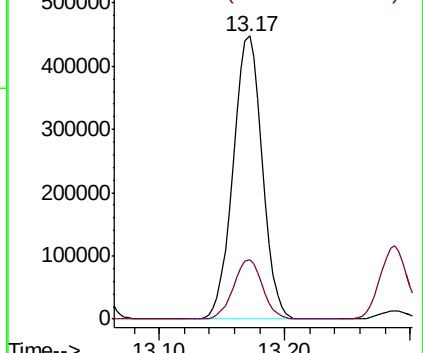
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.861 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

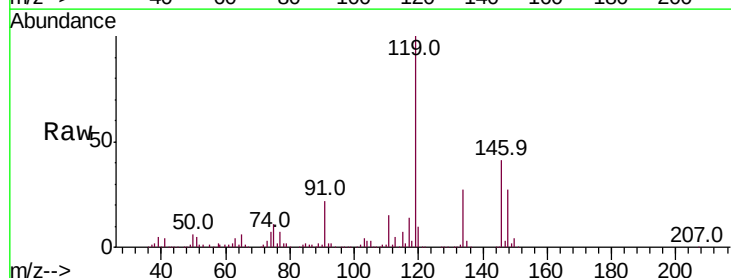
Tgt Ion:119 Resp: 657696

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

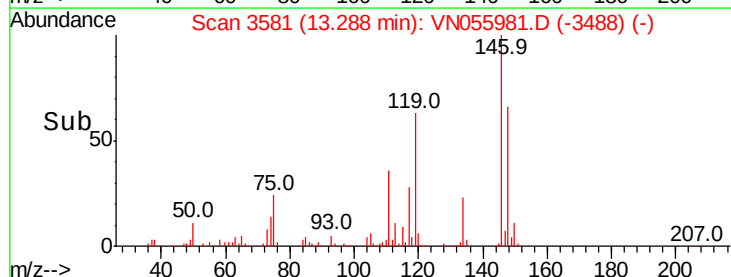
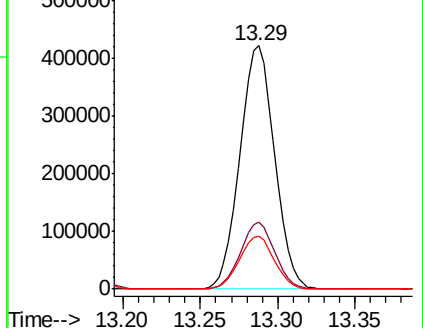
91 21.6 10.9 32.9

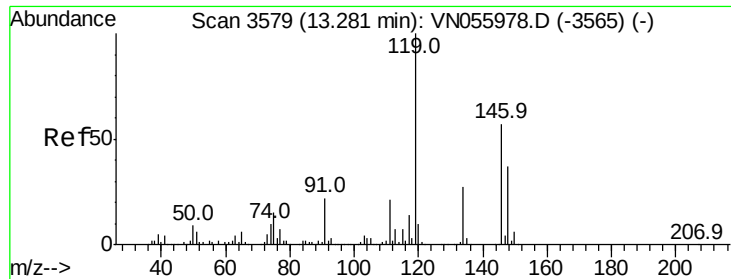


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





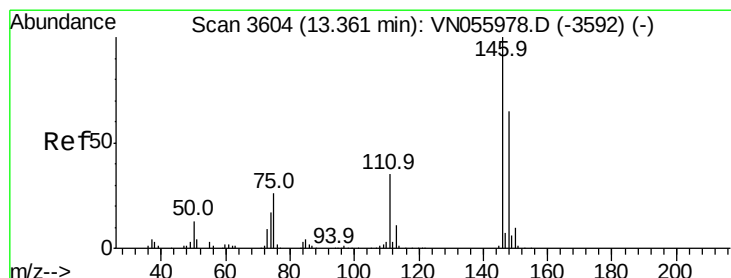
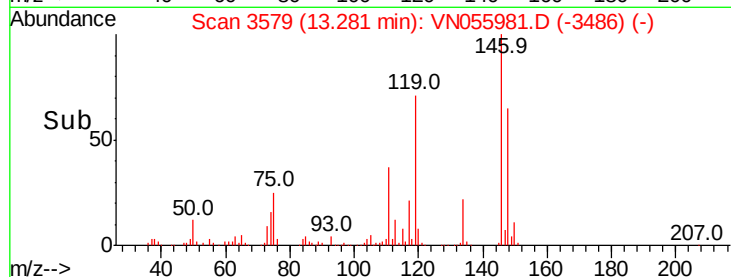
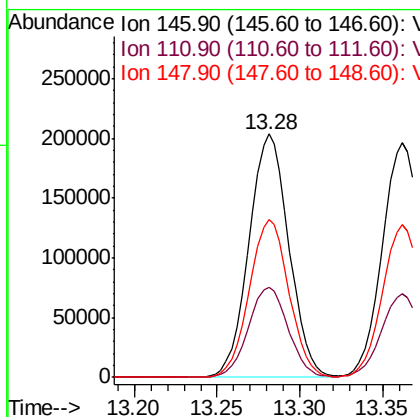
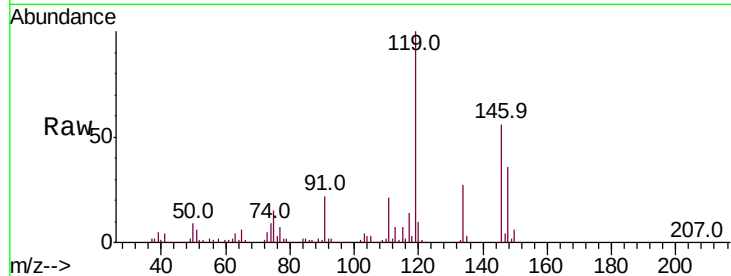
#87
 1,3-Dichlorobenzene
 Concen: 50.063 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.5	32.0	96.2

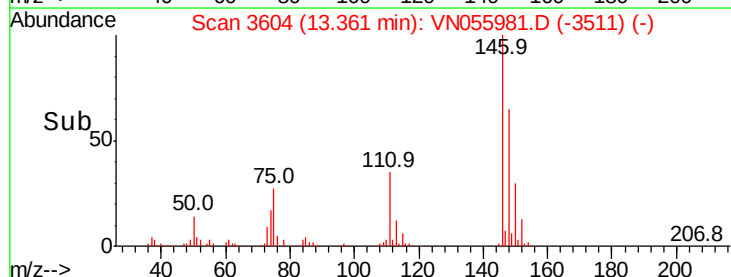
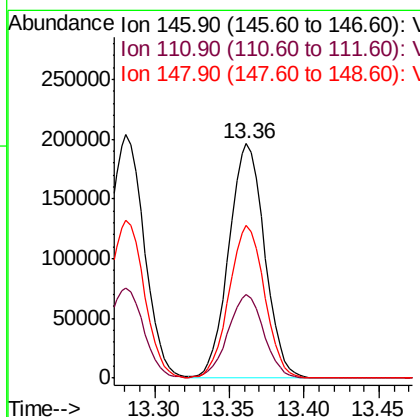
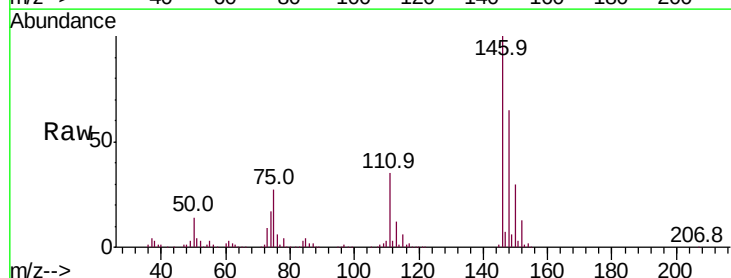
Manual Integrations
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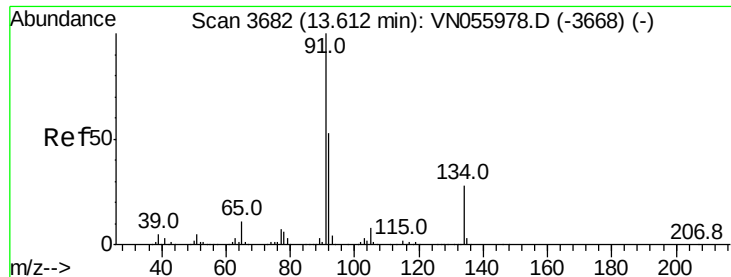
MMDadoda
 6/5/2019 4:03:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.982 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.4
148	64.8	32.1	96.5





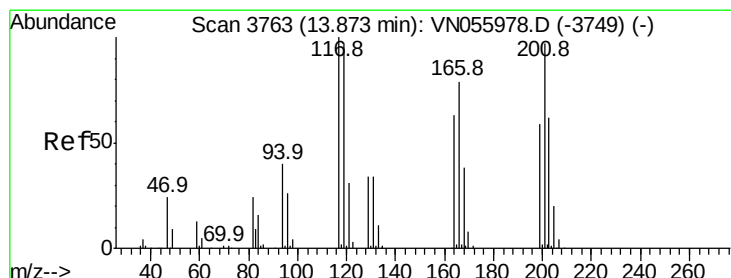
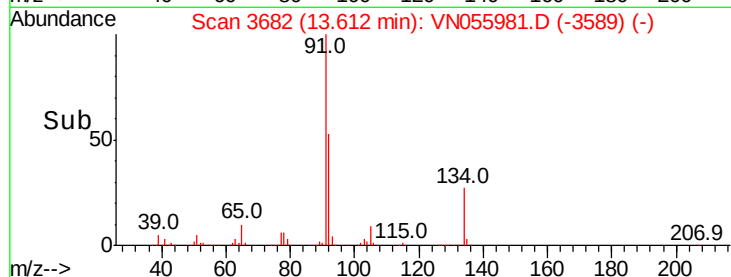
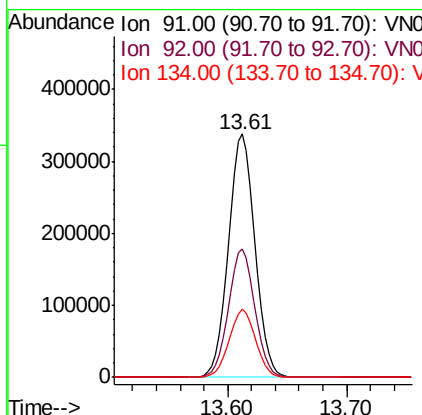
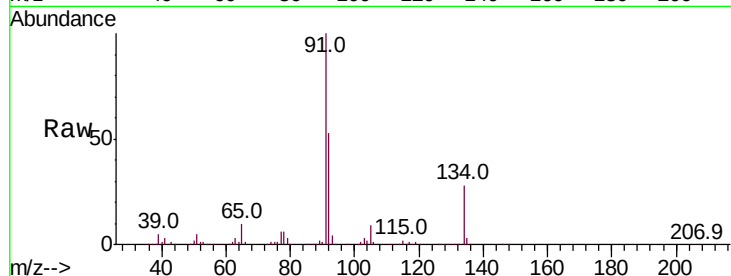
#89
n-Butylbenzene
Concen: 51.054 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.9	13.9	41.7

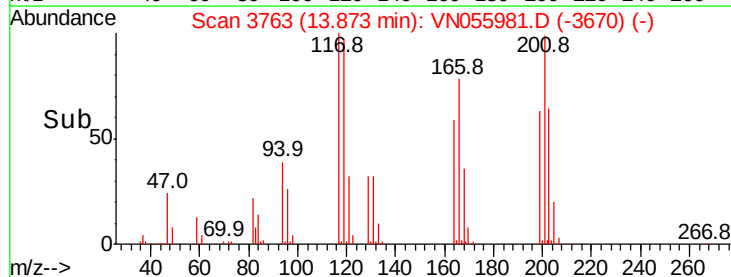
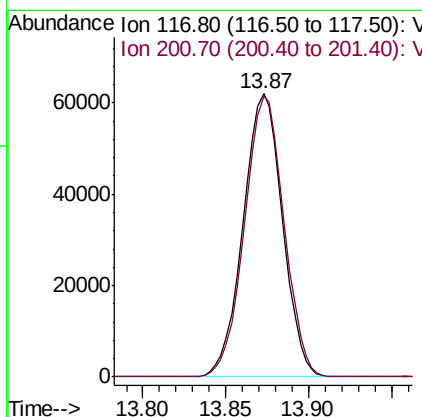
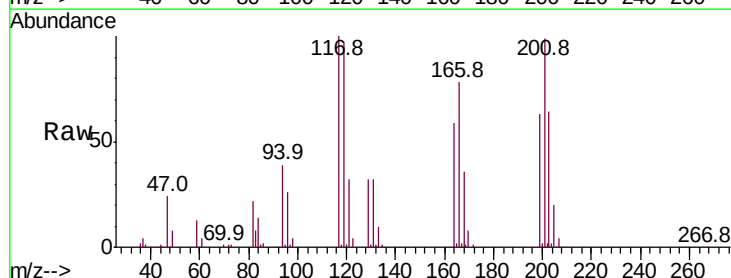
Manual Integrations
APPROVED

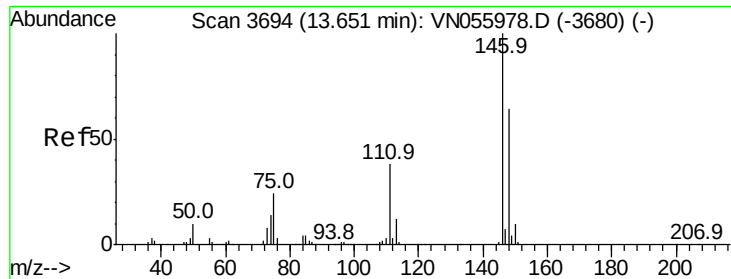
MMDadoda
6/5/2019 4:03:50 PM



#90
Hexachloroethane
Concen: 49.359 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.2	50.0	150.0





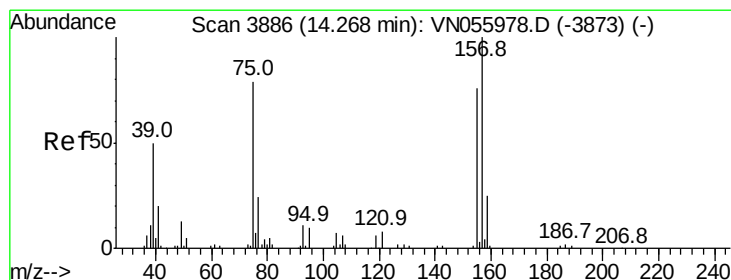
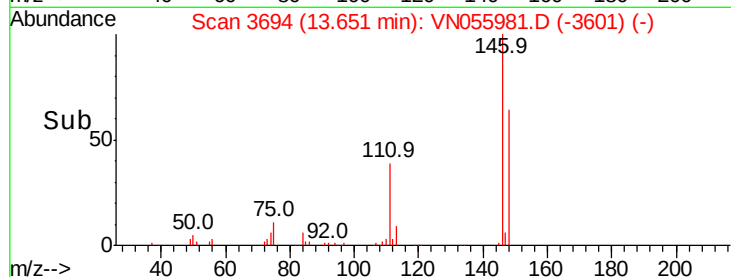
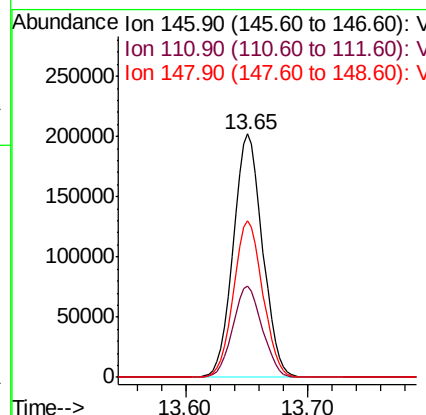
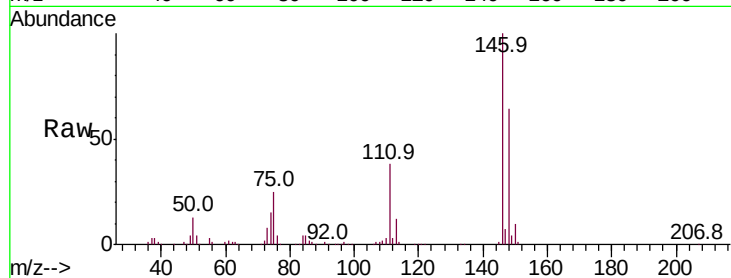
#91
 1,2-Dichlorobenzene
 Concen: 49.197 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	64.4	31.9	95.9

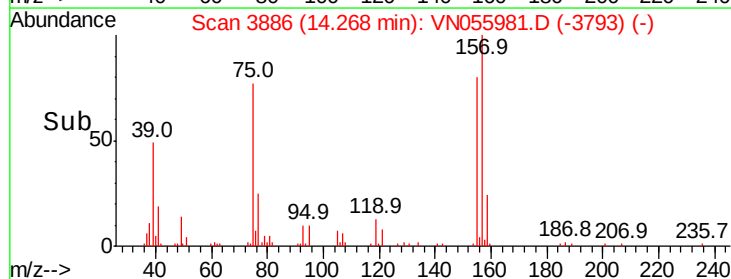
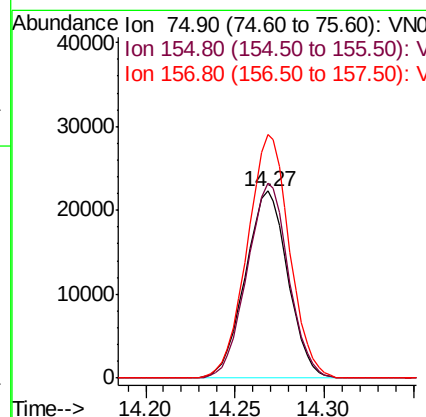
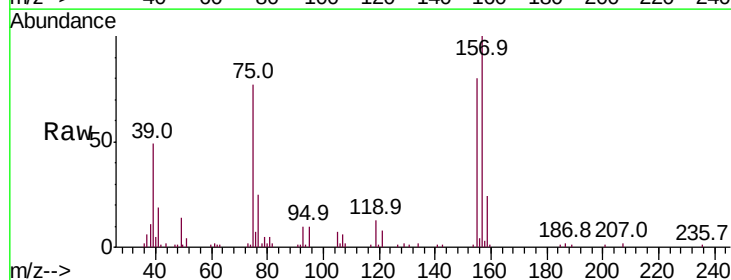
Manual Integrations
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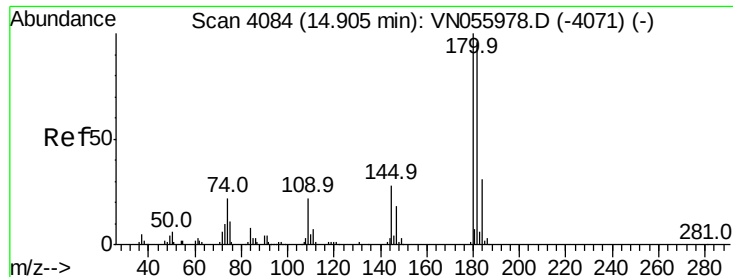
MMDadoda
 6/5/2019 4:03:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.515 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	50.0	150.1
157	129.2	64.8	194.3





#93

1,2,4-Trichlorobenzene

Concen: 48.861 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

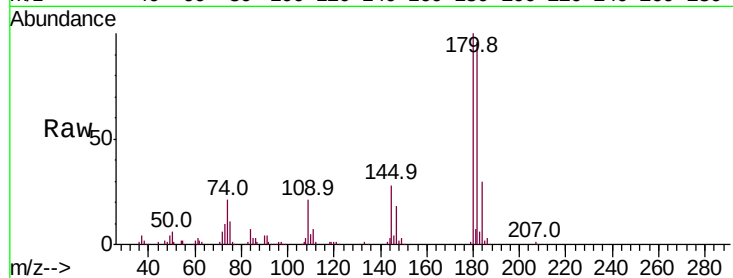
ClientSampleId :

ICVVN060419

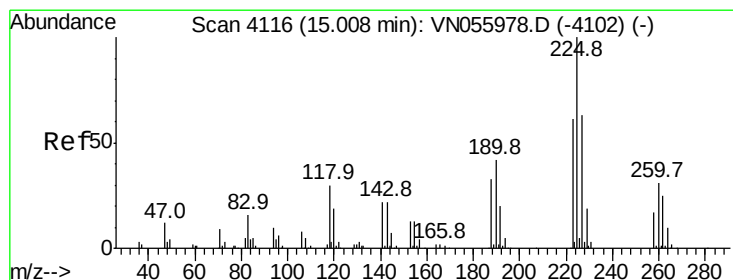
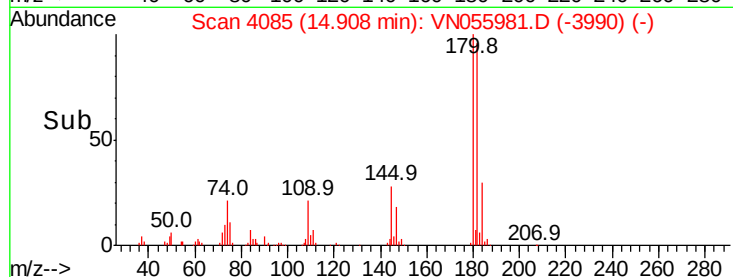
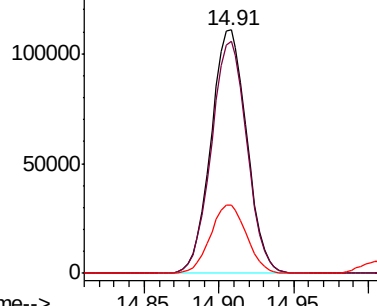
Tot Ion:	180	Resp:	184209
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.3	144.9
145	28.4	14.0	41.9

Manual Integrations
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6/5/2019 4:03:50 PM



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: 53.058 ug/l

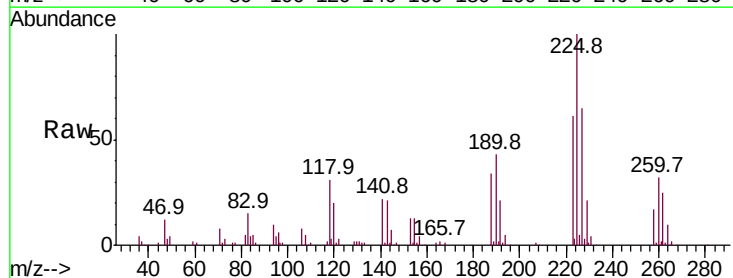
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

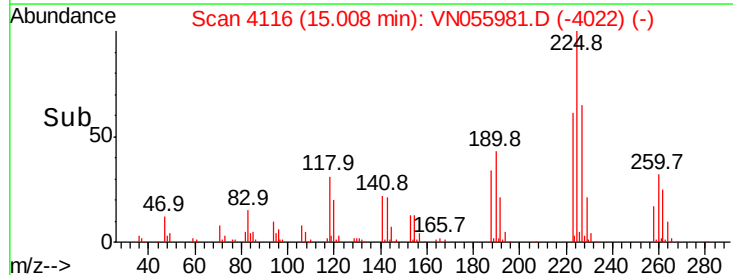
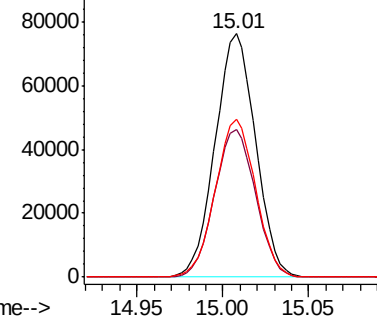
Lab File: VN055981.D

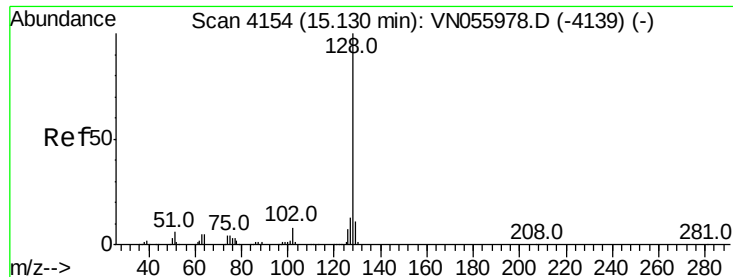
Acq: 4 Jun 2019 10:52

Tgt Ion:	225	Resp:	124470
Ion Ratio	Lower	Upper	
225	100		
223	61.5	30.9	92.7
227	64.5	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: 49.902 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

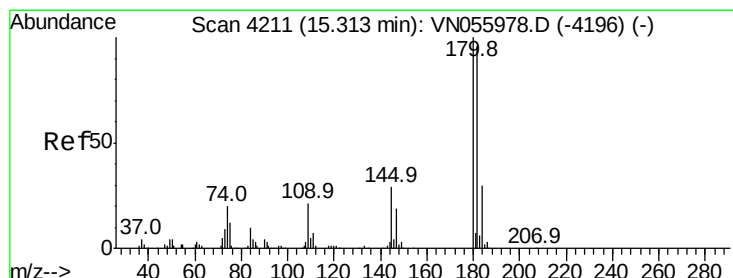
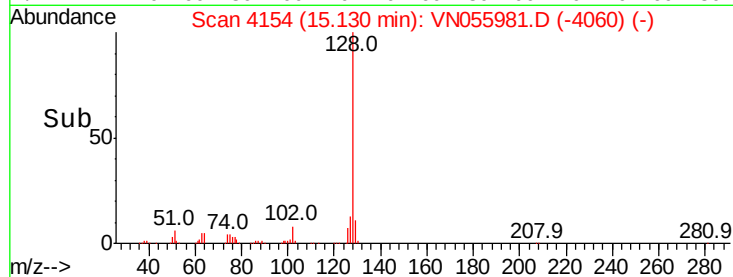
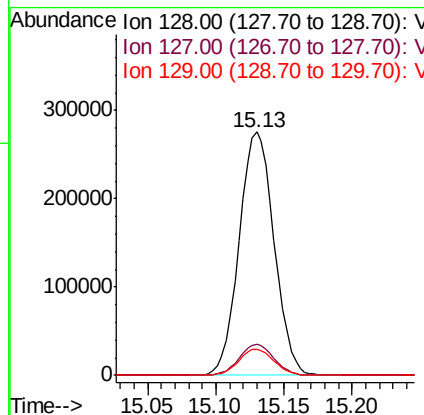
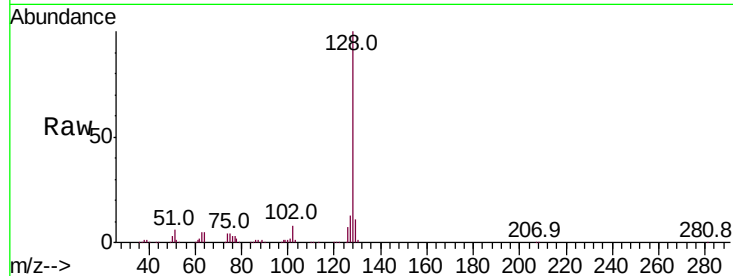
ClientSampleId :

ICVVN060419

Tot Ion:	128	Resp:	489094
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
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6/5/2019 4:03:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.502 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion:	180	Resp:	194585
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	29.5	14.9	44.7

