

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057048.D
 Acq On : 1 Aug 2019 19:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:22 AM

Quant Time: Aug 02 07:04:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	700125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	626607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	267377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	240128	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.58	113	222396	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.08	98	832620	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	278383	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	245963	50.888	ug/l	98
3) Chloromethane	2.05	50	263890	45.595	ug/l	98
4) Vinyl Chloride	2.18	62	253482	46.708	ug/l	99
5) Bromomethane	2.54	94	156696	46.445	ug/l	99
6) Chloroethane	2.68	64	140477	46.957	ug/l	98
7) Trichlorofluoromethane	3.00	101	356379	50.166	ug/l	99
8) Diethyl Ether	3.40	74	135932	51.127	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	215723	48.979	ug/l	99
10) Methyl Iodide	3.94	142	307848	52.308	ug/l	99
11) Tert butyl alcohol	4.77	59	173603	262.429	ug/l	98
12) 1,1-Dichloroethene	3.72	96	210033	49.978	ug/l	98
13) Acrolein	3.60	56	87179	256.973	ug/l	95
14) Allyl chloride	4.31	41	333886	48.842	ug/l	98
15) Acrylonitrile	4.97	53	510829	263.320	ug/l	99
16) Acetone	3.81	43	375144	211.584	ug/l	98
17) Carbon Disulfide	4.04	76	499206	44.703	ug/l	99
18) Methyl Acetate	4.31	43	273709	48.392	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	661003	52.750	ug/l	99
20) Methylene Chloride	4.54	84	245692	48.106	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	218391	48.931	ug/l	95
22) Diisopropyl ether	5.94	45	703179	49.924	ug/l	99
23) Vinyl Acetate	5.88	43	2488902	255.039	ug/l	99
24) 1,1-Dichloroethane	5.83	63	416498	50.119	ug/l	100
25) 2-Butanone	6.82	43	608124	241.881	ug/l	96
26) 2,2-Dichloropropane	6.81	77	301891	47.776	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	263086	49.837	ug/l	100
28) Bromochloromethane	7.18	49	190907	48.873	ug/l	99
29) Tetrahydrofuran	7.20	42	415243	253.144	ug/l	98
30) Chloroform	7.36	83	417523	49.139	ug/l	98
31) Cyclohexane	7.64	56	362771	45.111	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	353843	52.194	ug/l	98
36) 1,1-Dichloropropene	7.78	75	303366	49.243	ug/l	99
37) Ethyl Acetate	6.92	43	253681	51.414	ug/l	99
38) Carbon Tetrachloride	7.76	117	310301	53.249	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	371229	47.147	ug/l	99
40) Benzene	8.03	78	941474	49.617	ug/l	100
41) Methacrylonitrile	7.16	41	121533	53.281	ug/l	92
42) 1,2-Dichloroethane	8.11	62	306353	51.515	ug/l	99
43) Isopropyl Acetate	8.15	43	414931	50.879	ug/l	99
44) Trichloroethene	8.83	130	265164	50.724	ug/l	98
45) 1,2-Dichloropropane	9.11	63	254134	50.072	ug/l	99
46) Dibromomethane	9.20	93	160906	52.570	ug/l	98
47) Bromodichloromethane	9.39	83	315799	52.477	ug/l	99
48) Methyl methacrylate	9.19	41	206935	52.557	ug/l	98
49) 1,4-Dioxane	9.19	88	86120	1061.377	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1264509	260.964	ug/l	100
52) Toluene	10.15	92	589773	51.733	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	328645	52.627	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	377462	51.985	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	236131	51.648	ug/l	98
56) Ethyl methacrylate	10.42	69	341084	49.422	ug/l	98
57) 1,3-Dichloropropane	10.70	76	387727	51.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	579513	211.524	ug/l	99
59) 2-Hexanone	10.74	43	880442	236.087	ug/l	98
60) Dibromochloromethane	10.90	129	256903	54.847	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241560	54.141	ug/l	99
64) Tetrachloroethene	10.63	164	271736	50.324	ug/l	99
65) Chlorobenzene	11.43	112	639259	50.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	248104	51.615	ug/l	99
67) Ethyl Benzene	11.51	91	1114716	50.503	ug/l	100
68) m/p-Xylenes	11.62	106	843403	103.536	ug/l	100
69) o-Xylene	11.94	106	412689	51.783	ug/l	100
70) Styrene	11.96	104	687795	48.871	ug/l	100
71) Bromoform	12.12	173	182435	54.361	ug/l #	100
73) Isopropylbenzene	12.25	105	1114216	48.218	ug/l	99
74) N-amyl acetate	12.07	43	343548	51.202	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	304861	52.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	270517m	49.819	ug/l	
77) Bromobenzene	12.52	156	291776	48.380	ug/l	99
78) n-propylbenzene	12.59	91	1201351	48.691	ug/l	100
79) 2-Chlorotoluene	12.67	91	721811	47.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	933995	49.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86775	51.346	ug/l	97
82) 4-Chlorotoluene	12.77	91	700125	49.243	ug/l	100
83) tert-Butylbenzene	12.99	119	814457	48.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	909290	49.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1044392	48.227	ug/l	100
86) p-Isopropyltoluene	13.29	119	955457	49.695	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457575	49.878	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	433318	49.065	ug/l	99
89) n-Butylbenzene	13.61	91	735314	49.624	ug/l	99
90) Hexachloroethane	13.87	117	164613	49.723	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	457194	50.637	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47437	51.614	ug/l	97

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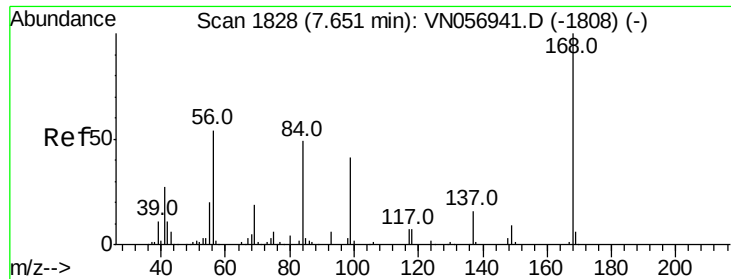
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199673	43.255	ug/l	100
94) Hexachlorobutadiene	15.00	225	168908	53.808	ug/l	98
95) Naphthalene	15.12	128	526162	46.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224211	47.732	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 478106

Ion Ratio Lower Upper

168 100

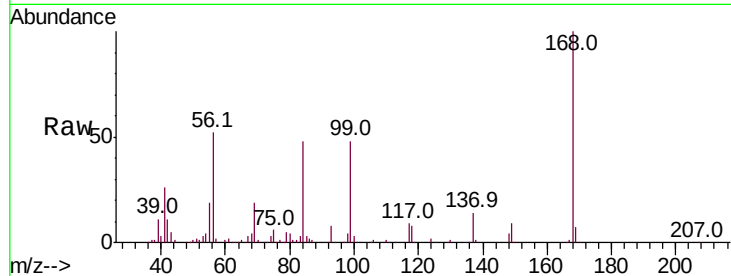
99 47.9 39.0 58.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

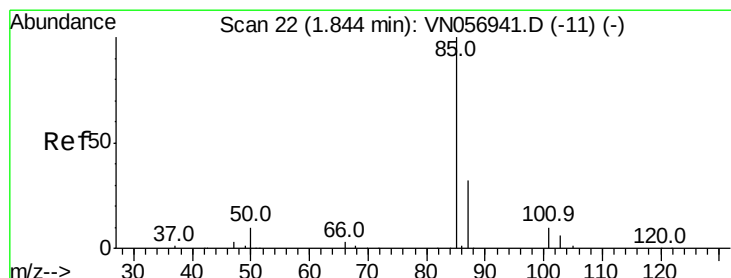
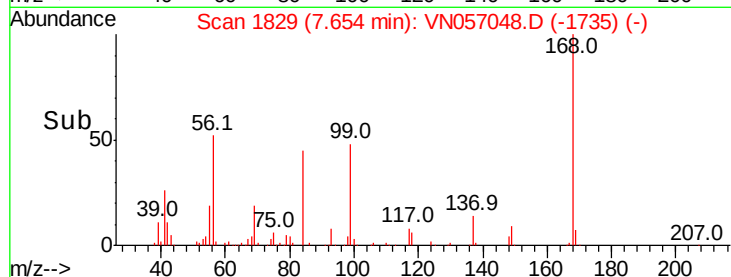
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.888 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057048.D

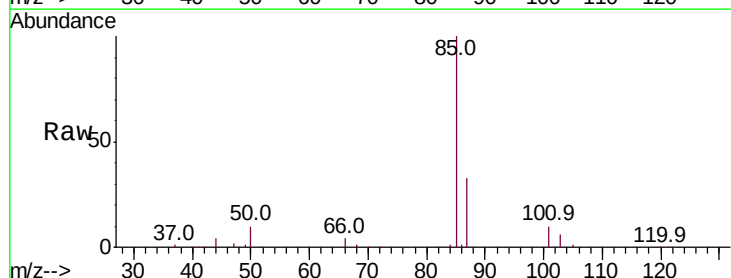
Acq: 1 Aug 2019 19:27

Tgt Ion: 85 Resp: 245963

Ion Ratio Lower Upper

85 100

87 32.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

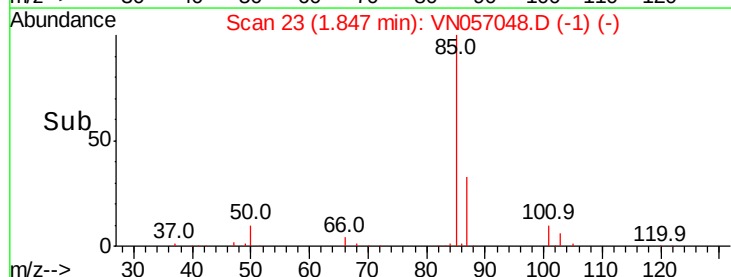
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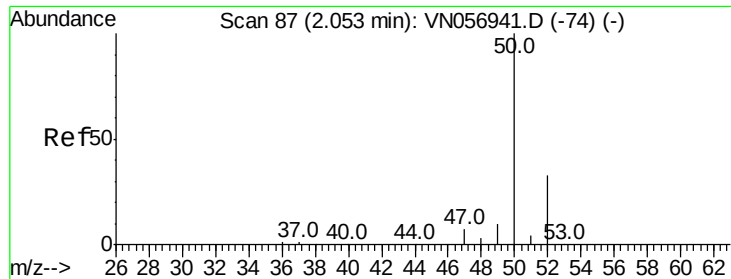
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.595 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 263890

Ion Ratio Lower Upper

50 100

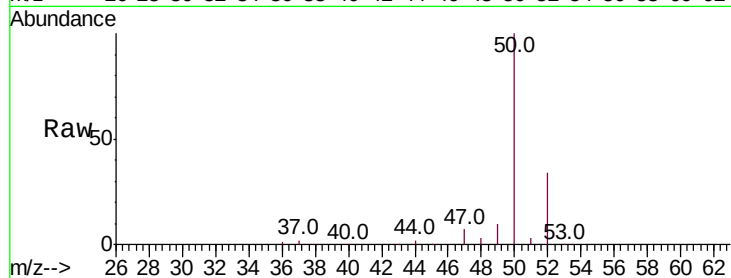
52 33.9 26.2 39.2

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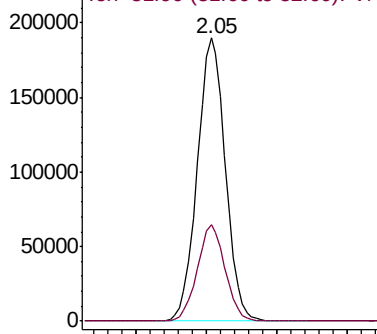
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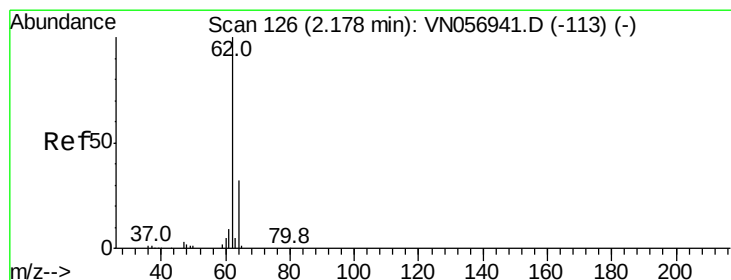
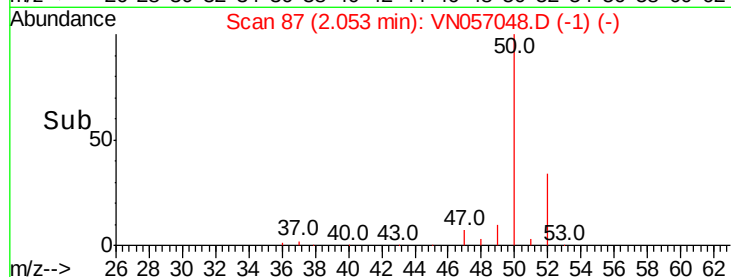


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 46.708 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057048.D

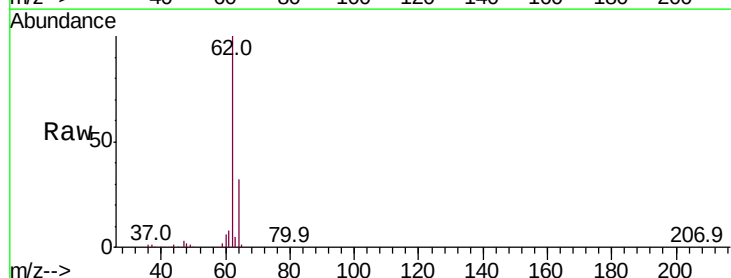
Acq: 1 Aug 2019 19:27

Tgt Ion: 62 Resp: 253482

Ion Ratio Lower Upper

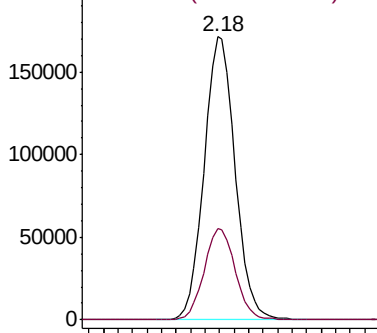
62 100

64 32.4 25.4 38.0

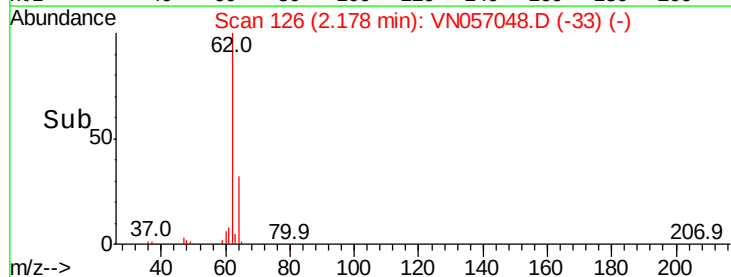


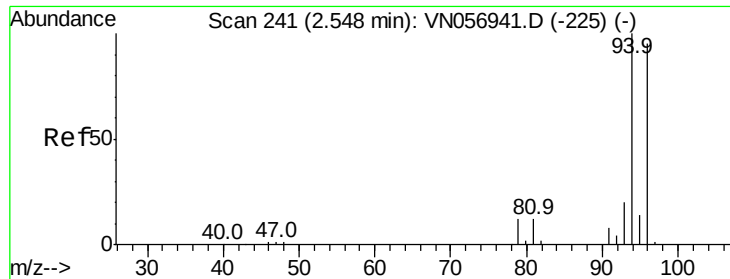
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





#5

Bromomethane

Concen: 46.445 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 156696

Ion Ratio Lower Upper

94 100

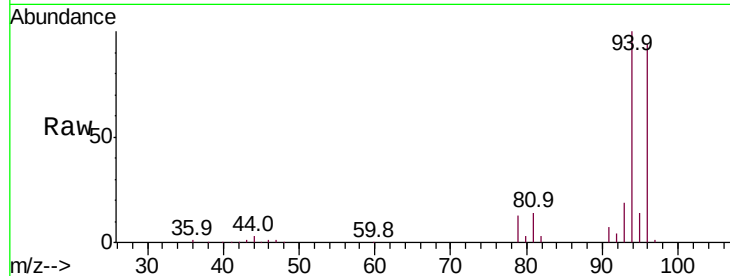
96 94.4 76.2 114.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

80000

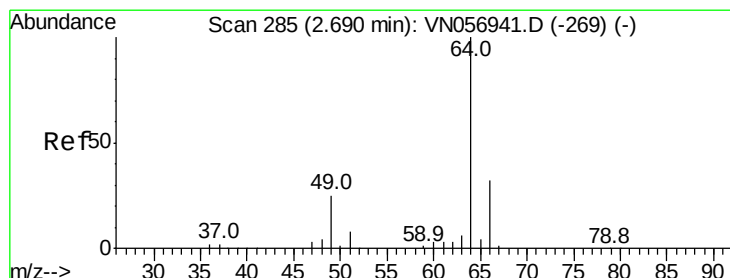
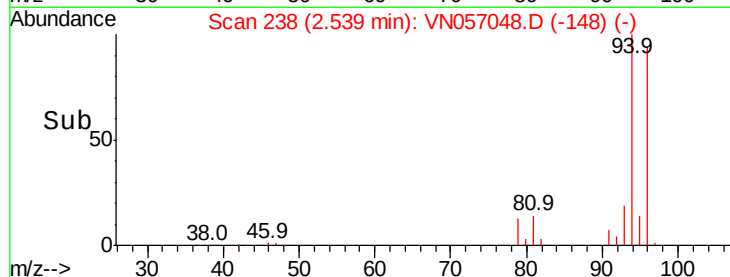
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.957 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN057048.D

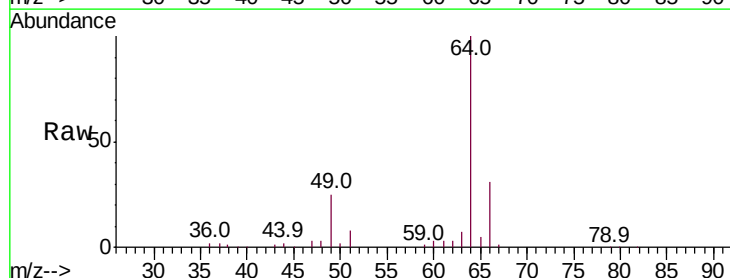
Acq: 1 Aug 2019 19:27

Tgt Ion: 64 Resp: 140477

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

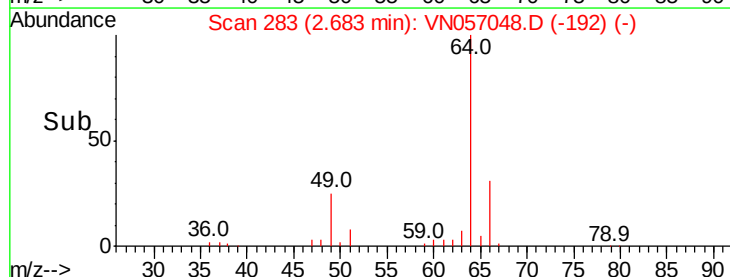
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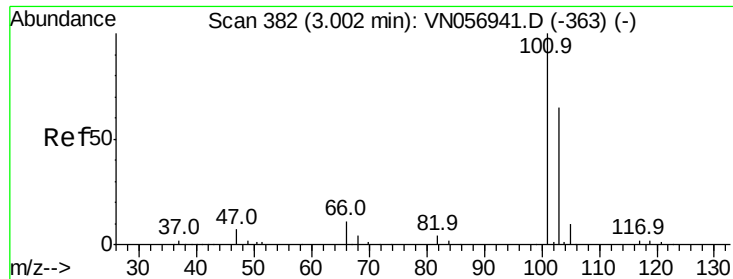
40000

20000

0

Time-->





#7

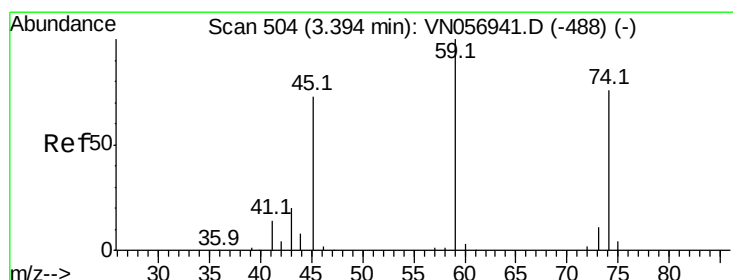
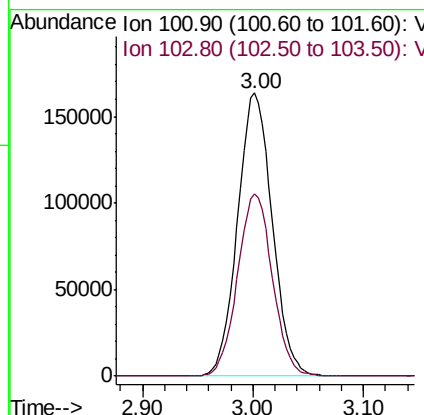
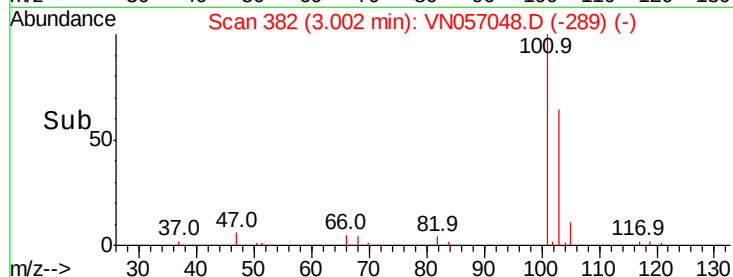
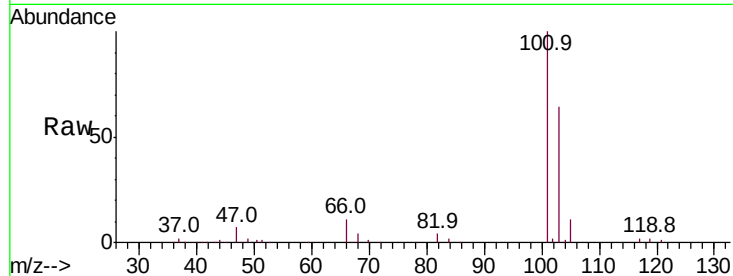
Trichlorofluoromethane
 Concen: 50.166 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Manual Integrations
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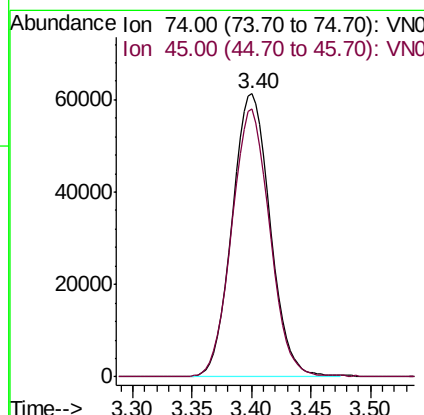
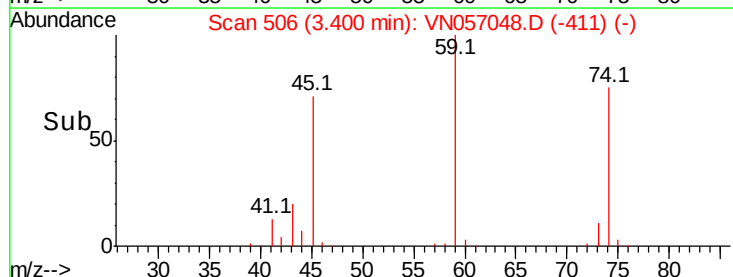
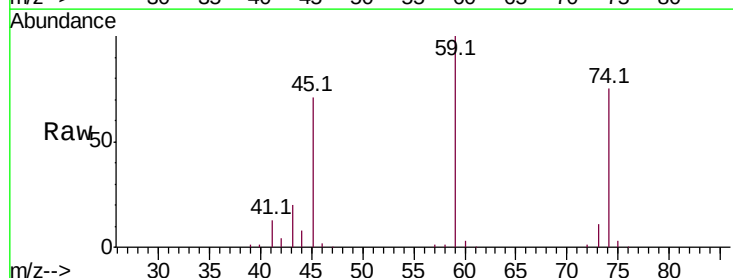
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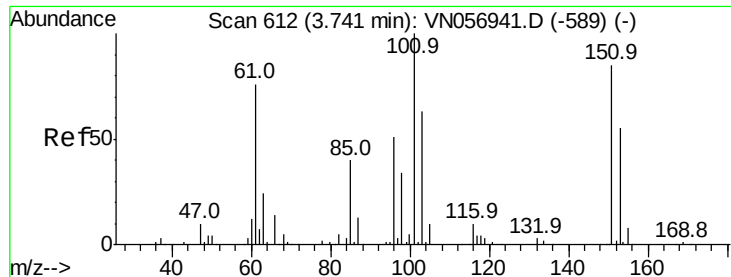


#8

Diethyl Ether
 Concen: 51.127 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.979 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

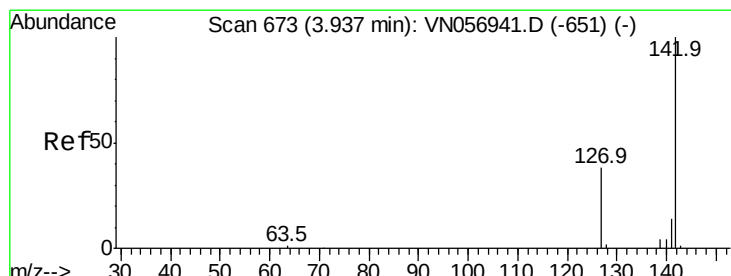
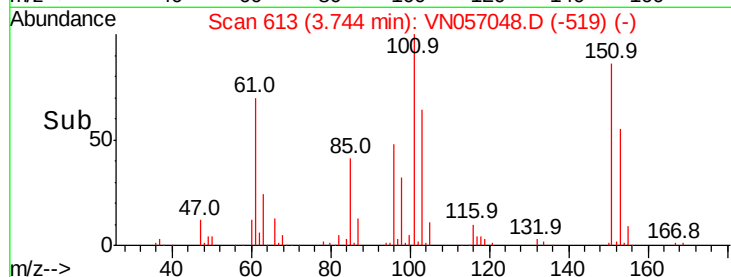
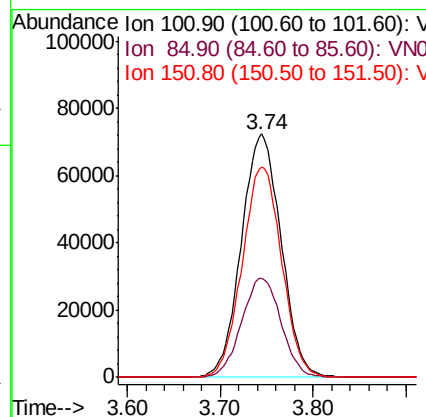
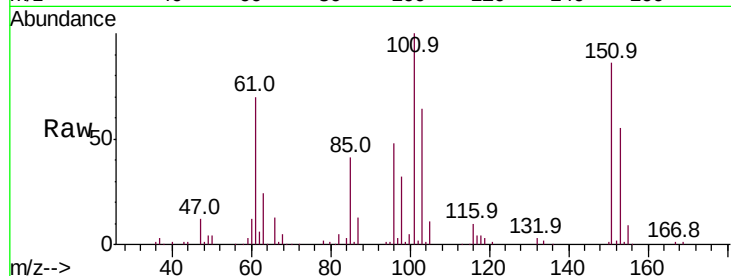
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	215723
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.3	48.5
151	85.8	68.0	102.0

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#10

Methyl Iodide

Concen: 52.308 ug/l

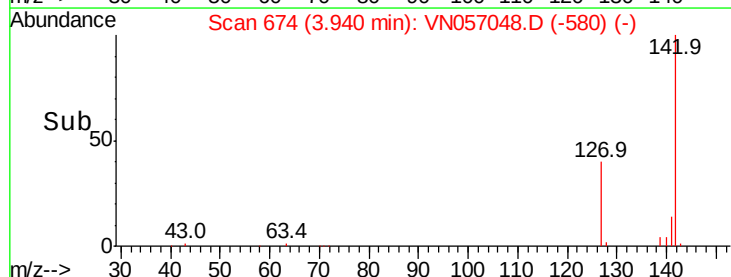
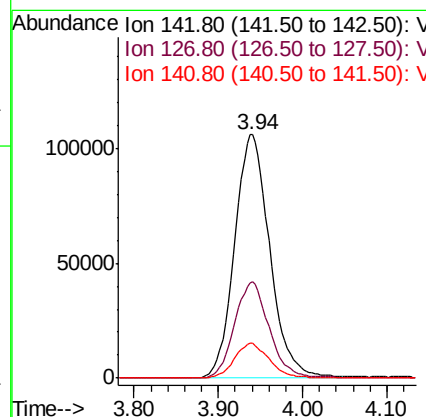
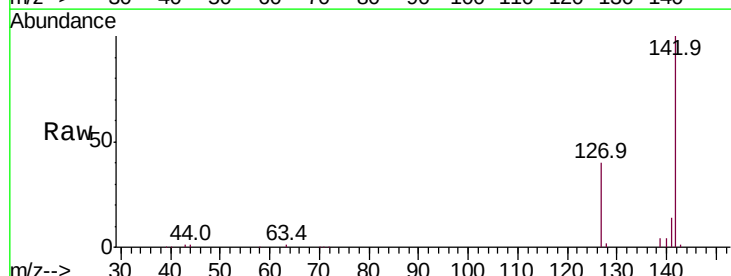
RT: 3.94 min Scan# 674

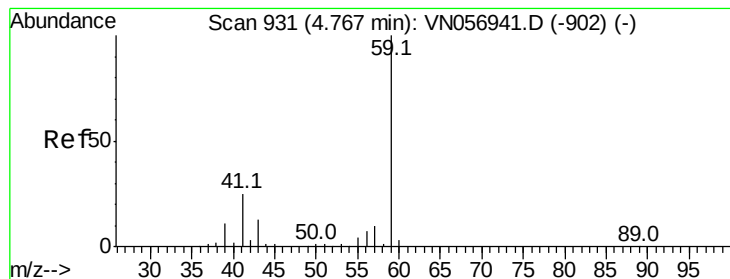
Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	142	Resp:	307848
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.4	45.6
141	14.2	11.1	16.7





#11

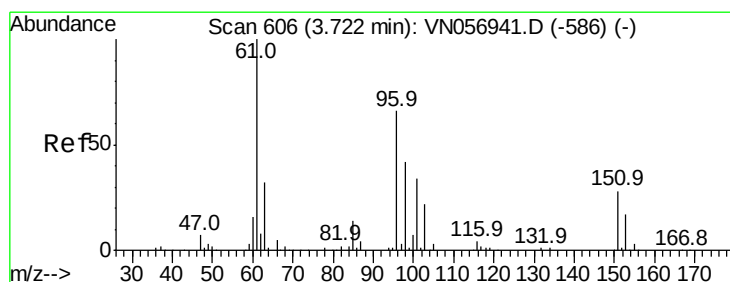
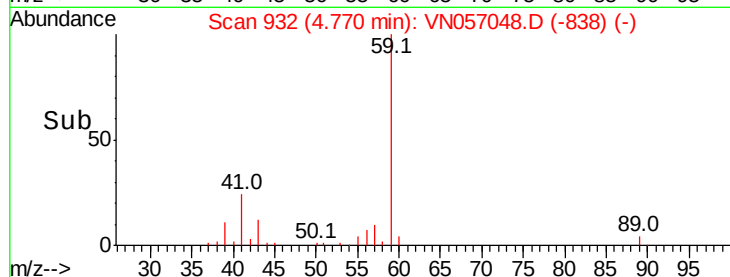
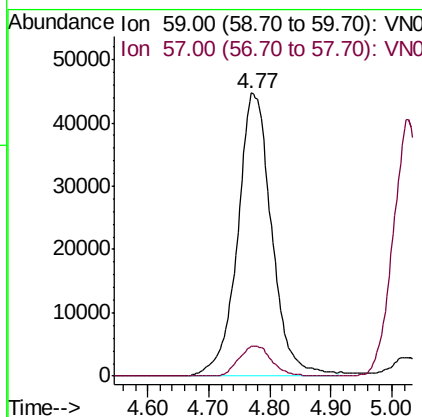
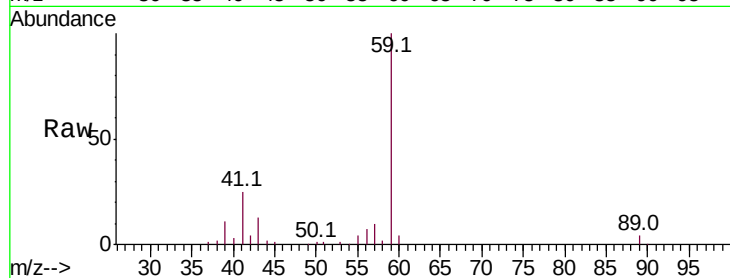
Tert butyl alcohol
 Concen: 262.429 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	173603
Ion Ratio	100	Lower	Upper
57	10.2	7.5	11.3

Manual Integrations
 APPROVED

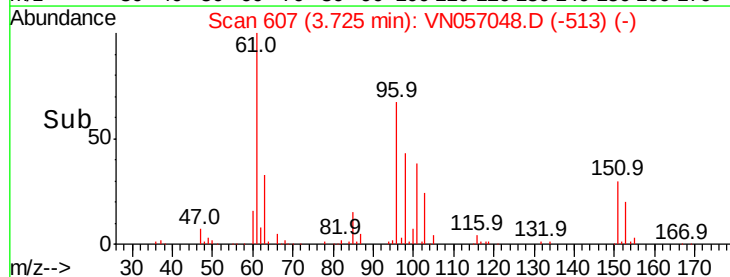
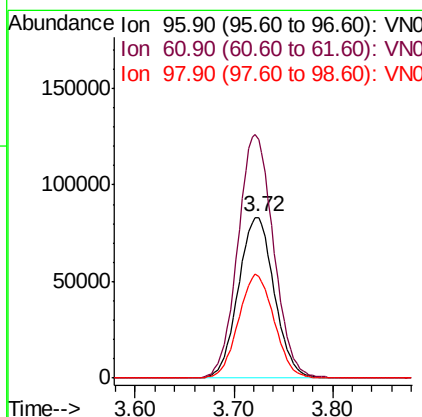
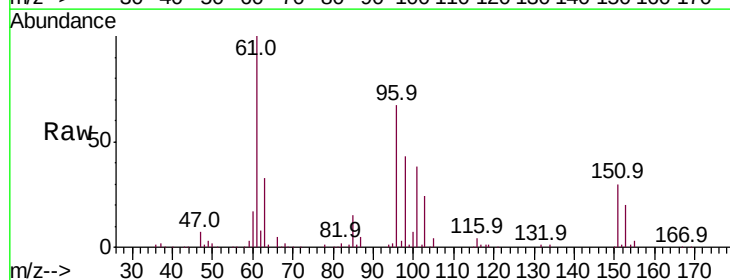
MMDadoda
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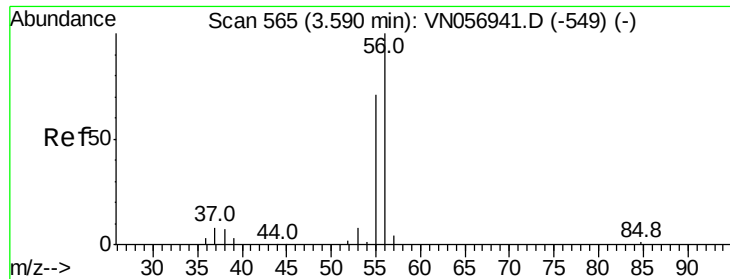


#12

1,1-Dichloroethene
 Concen: 49.978 ug/l
 RT: 3.72 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	96	Resp	210033
Ion Ratio	100	Lower	Upper
61	148.6	121.8	182.8
98	63.5	51.7	77.5





#13

Acrolein

Concen: 256.973 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 87179

Ion Ratio Lower Upper

56 100

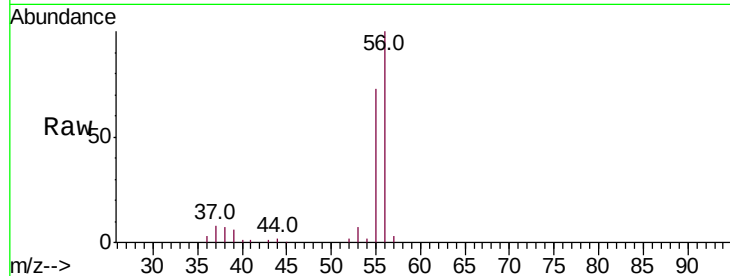
55 73.6 55.8 83.6

Manual Integrations

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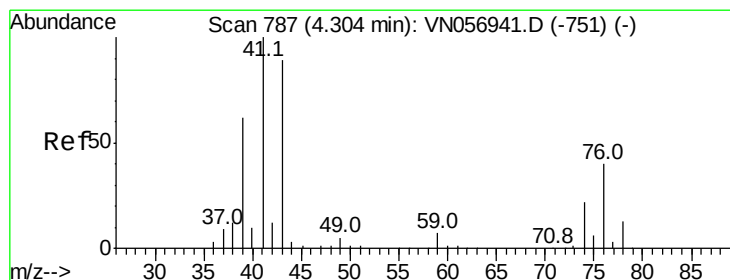
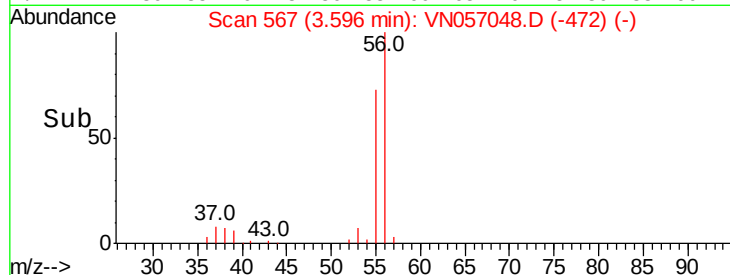
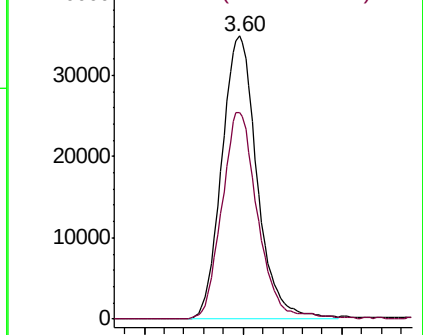
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.842 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

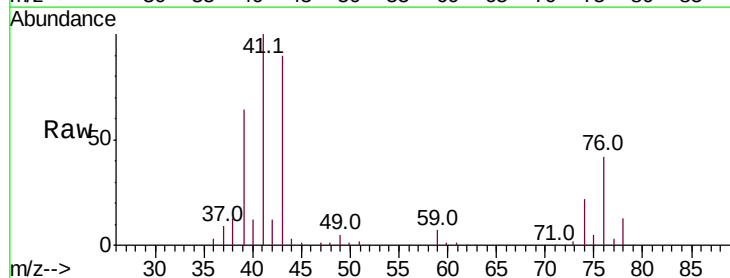
Tgt Ion: 41 Resp: 333886

Ion Ratio Lower Upper

41 100

39 59.4 46.4 69.6

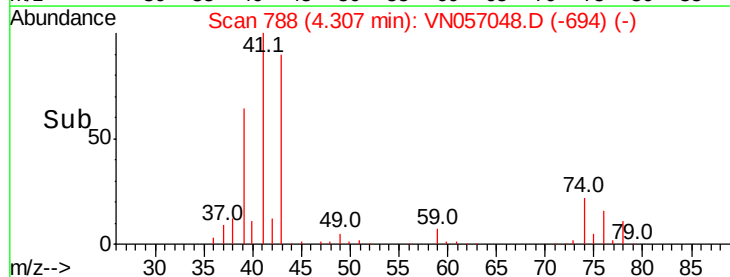
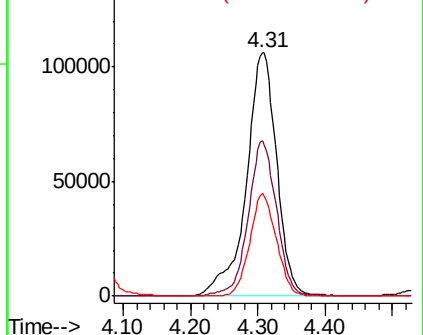
76 36.7 28.4 42.6

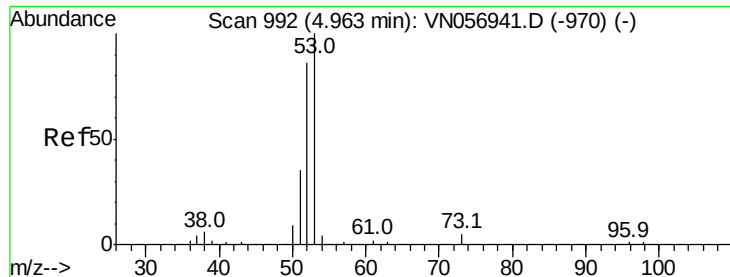


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 263.320 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

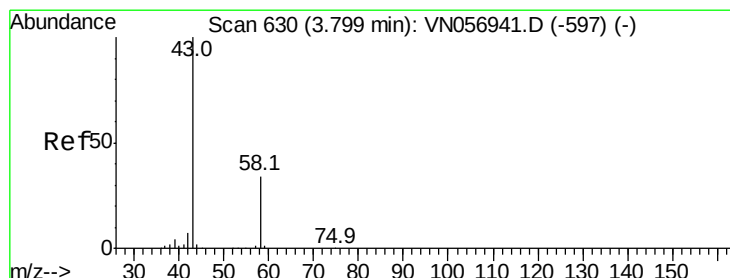
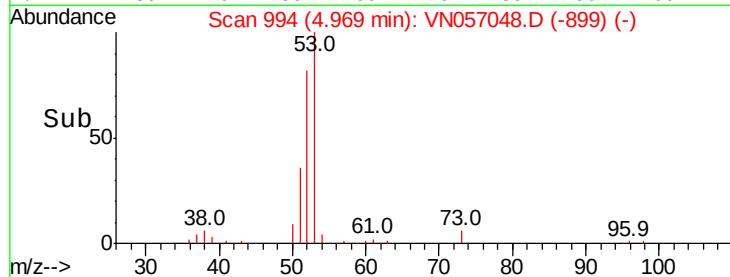
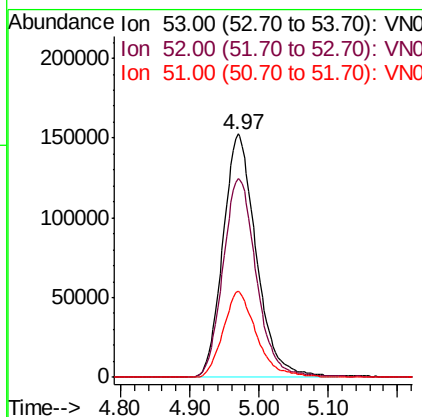
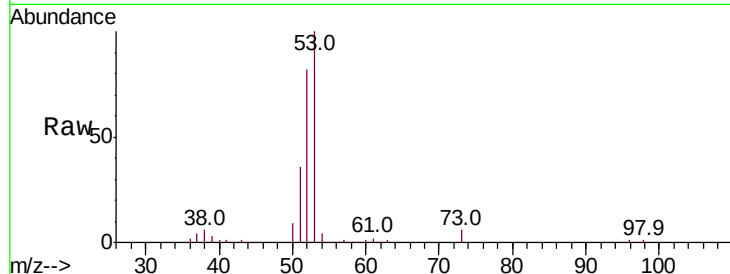
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	510829
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.5	99.7
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 211.584 ug/l

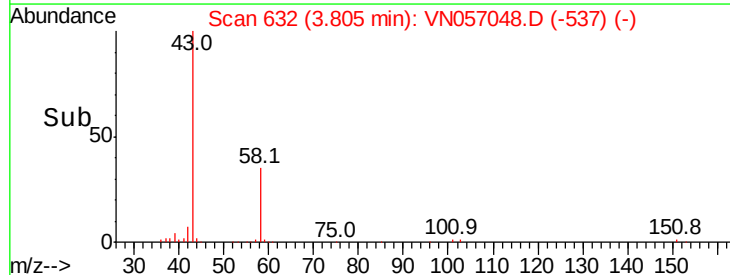
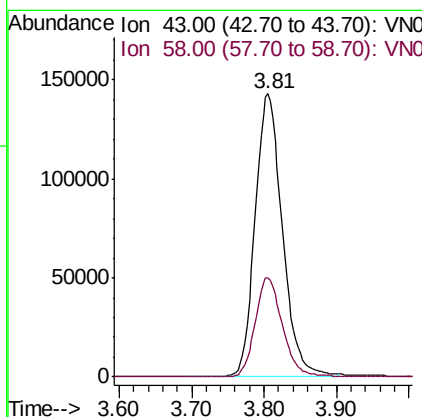
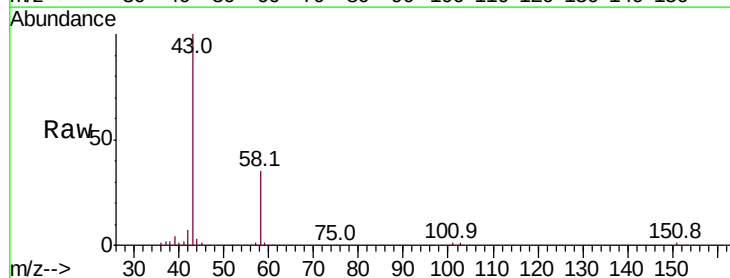
RT: 3.81 min Scan# 632

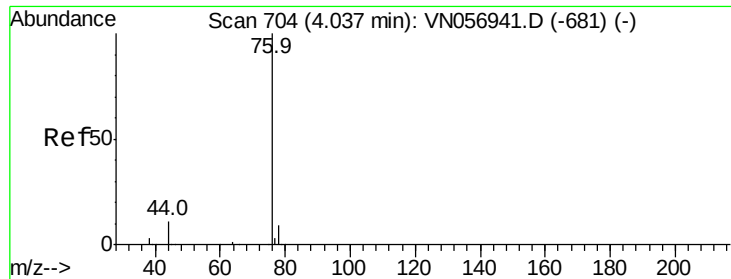
Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	43	Resp:	375144
Ion Ratio	Lower	Upper	
43	100		
58	34.9	27.2	40.8





#17

Carbon Disulfide

Concen: 44.703 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 499206

Ion Ratio Lower Upper

76 100

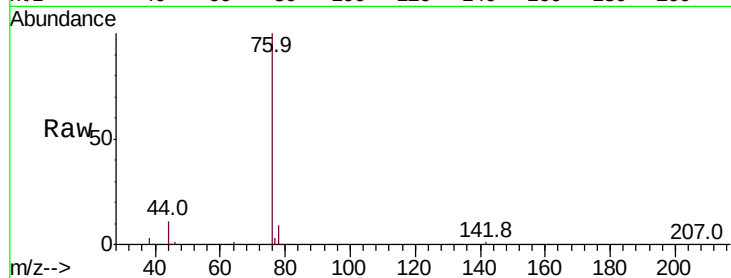
78 8.7 7.2 10.8

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

4.04

200000

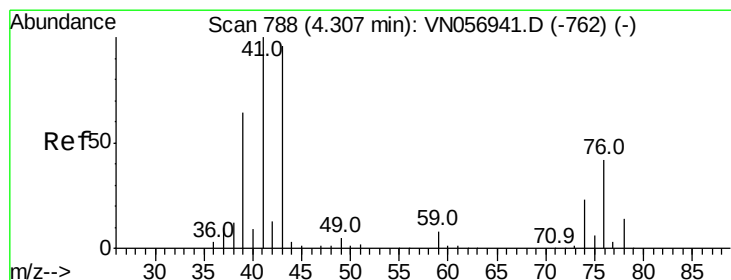
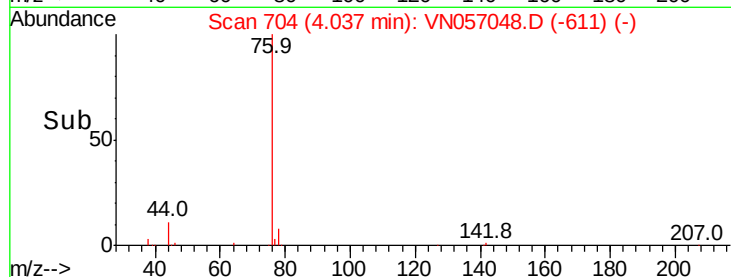
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.392 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057048.D

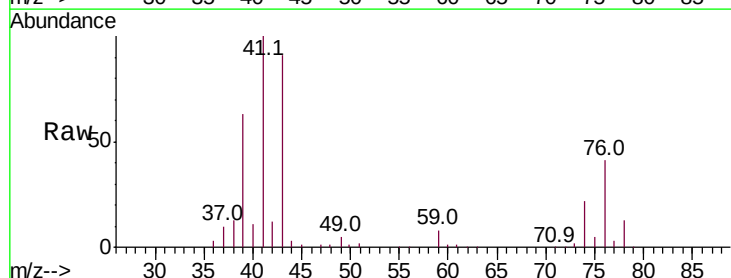
Acq: 1 Aug 2019 19:27

Tgt Ion: 43 Resp: 273709

Ion Ratio Lower Upper

43 100

74 25.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

100000

80000

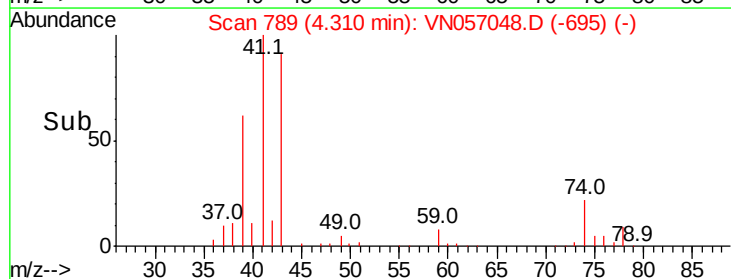
60000

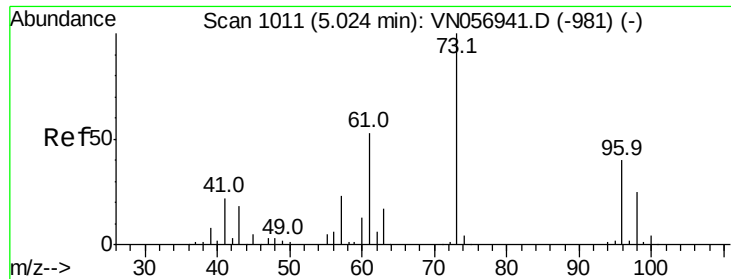
40000

20000

0

Time-->





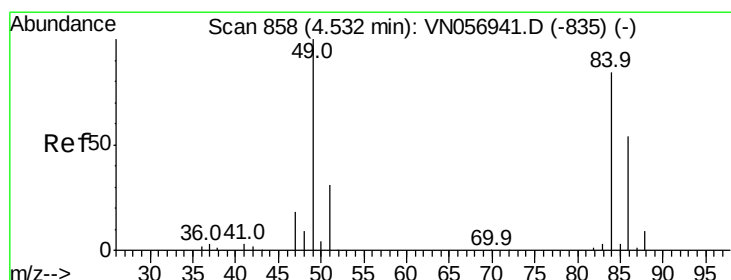
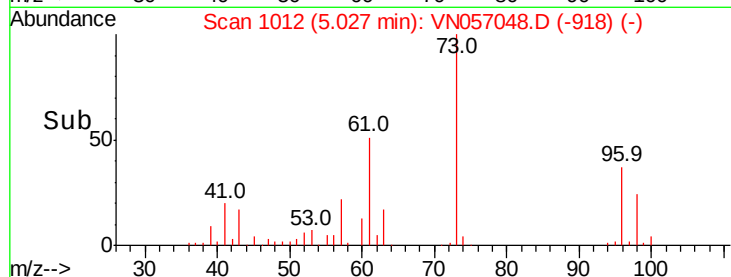
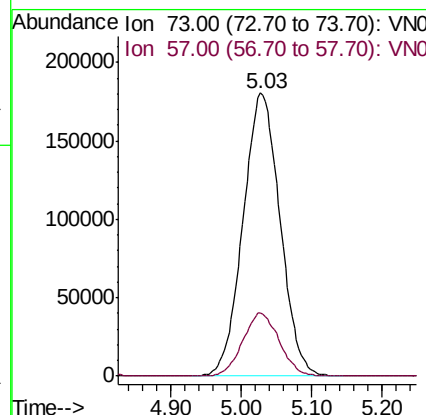
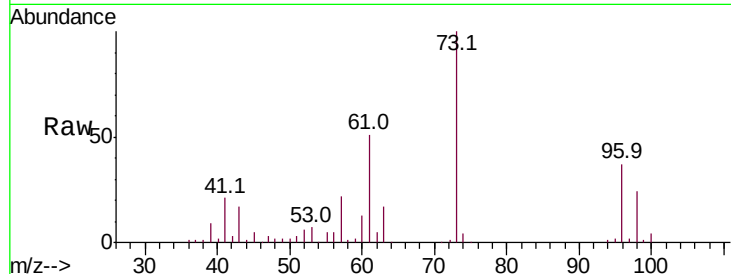
#19
Methyl tert-butyl Ether
Concen: 52.750 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 661003
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

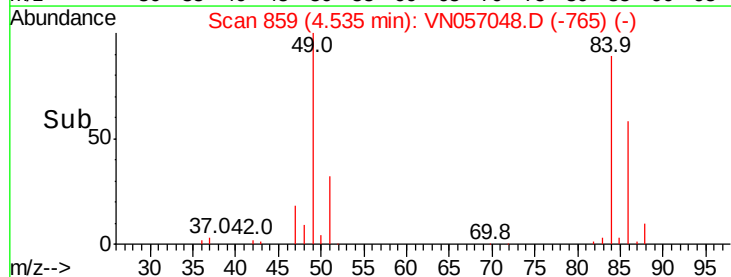
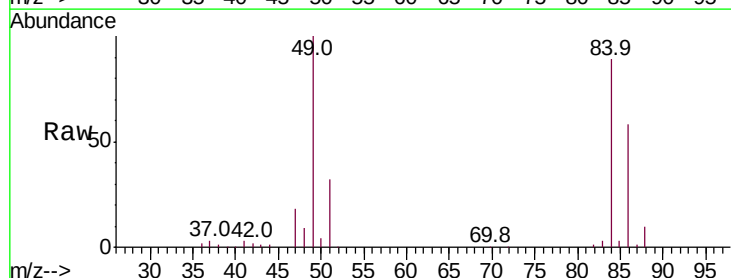
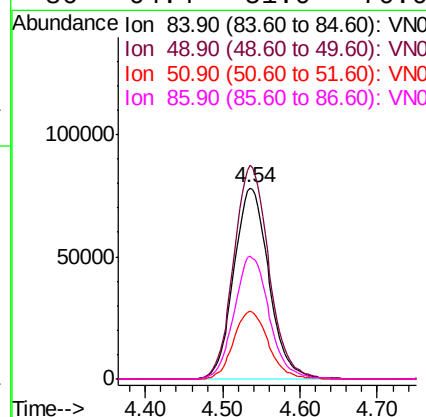
Manual Integrations
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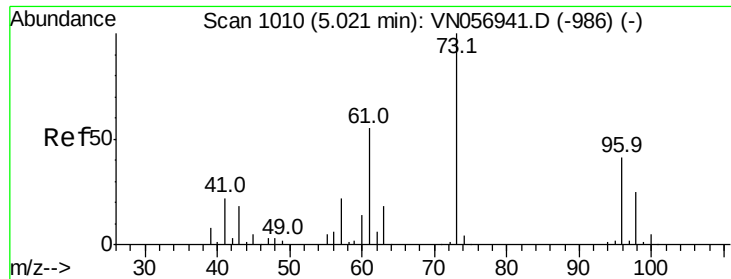
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#20
Methylene Chloride
Concen: 48.106 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 84 Resp: 245692
Ion Ratio Lower Upper
84 100
49 111.8 95.2 142.8
51 35.2 29.7 44.5
86 64.4 51.0 76.6





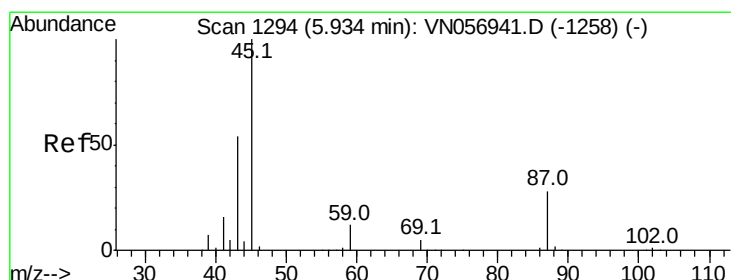
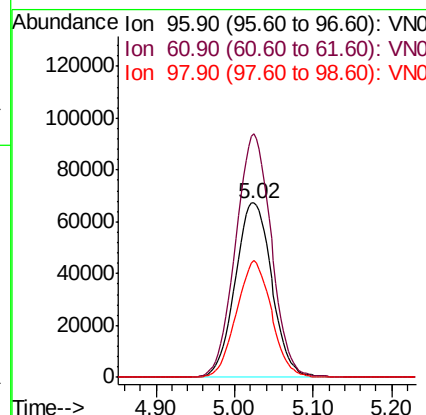
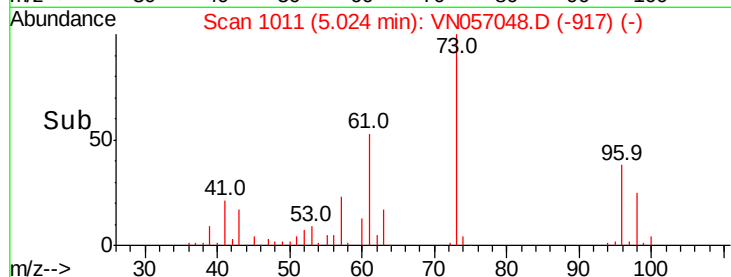
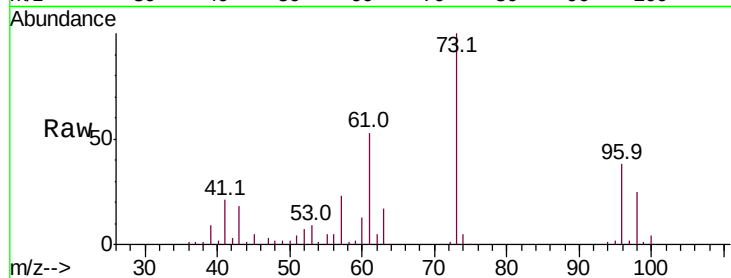
#21
trans-1,2-Dichloroethene
Concen: 48.931 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	107.5	161.3
98	66.8	49.9	74.9

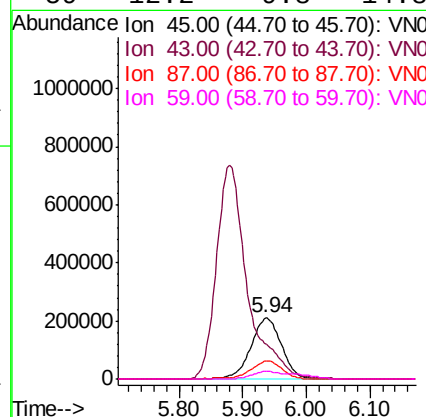
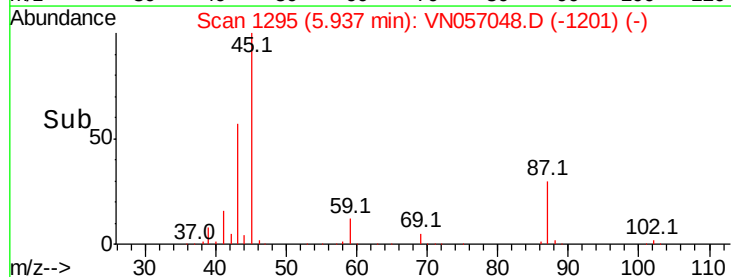
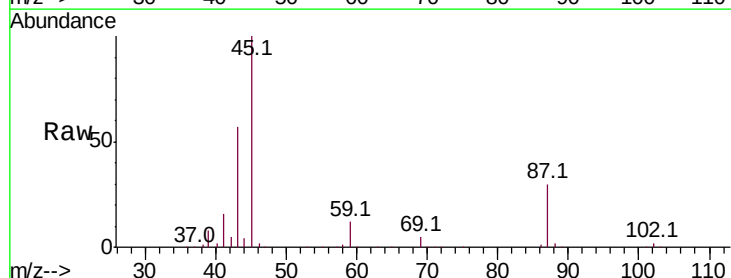
Manual Integrations
APPROVED

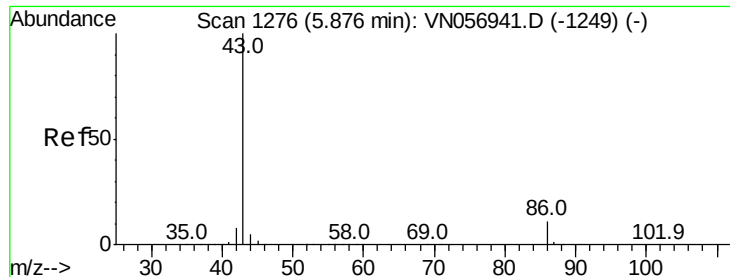
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#22
Diisopropyl ether
Concen: 49.924 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	44.7	67.1
87	30.1	23.0	34.6
59	12.2	9.8	14.8





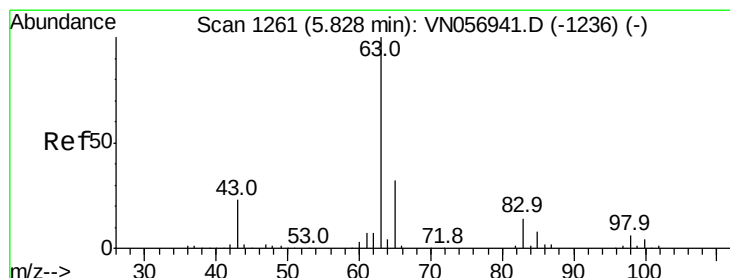
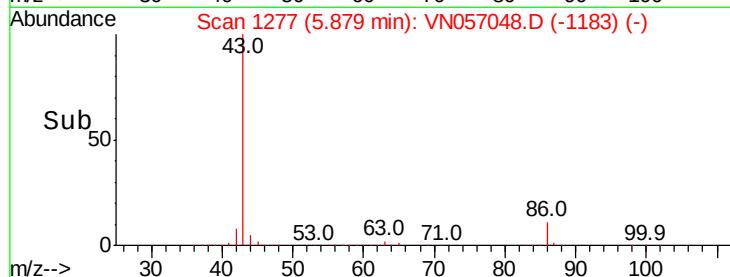
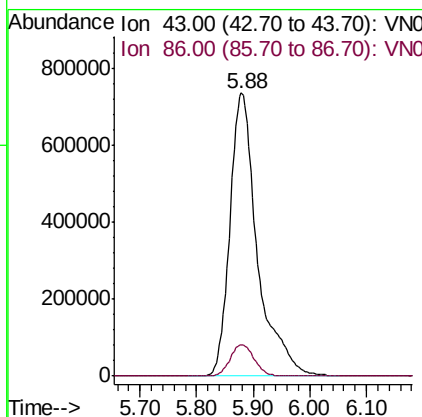
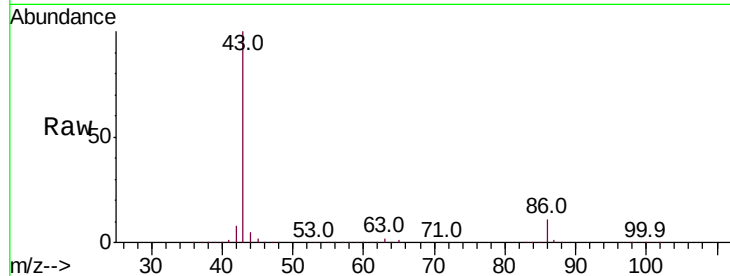
#23
 Vinyl Acetate
 Concen: 255.039 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2488902
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.5 12.7

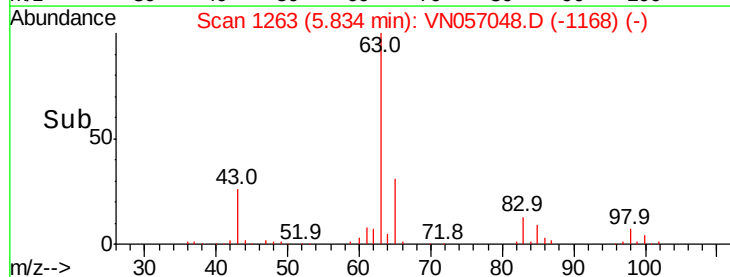
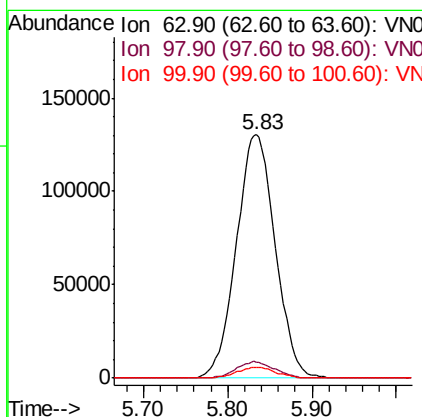
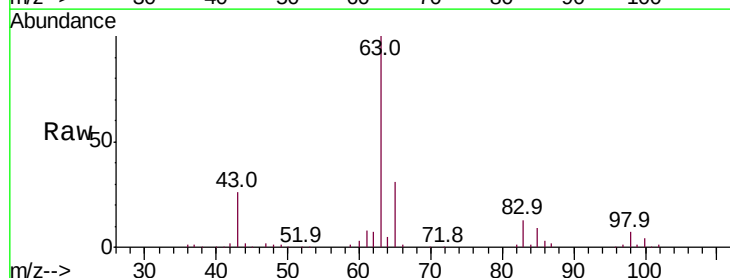
Manual Integrations
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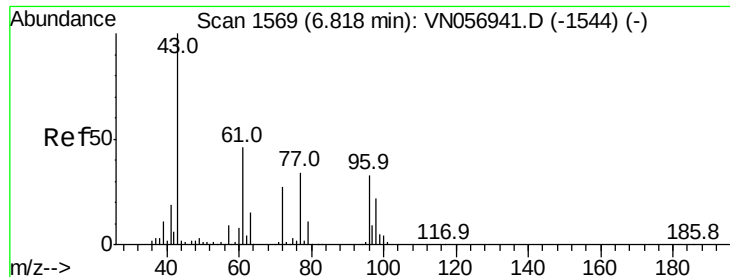
MMDadoda
 8/2/2019 11:18:22 AM



#24
 1,1-Dichloroethane
 Concen: 50.119 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 63 Resp: 416498
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 241.881 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 608124

Ion Ratio Lower Upper

43 100

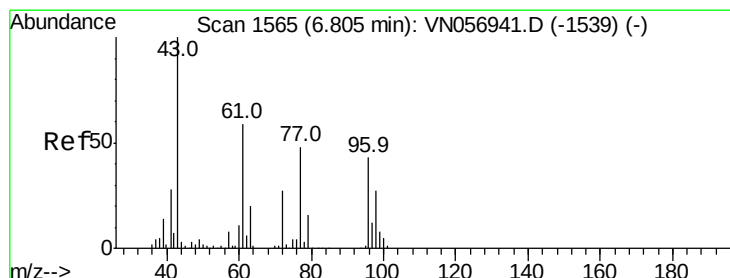
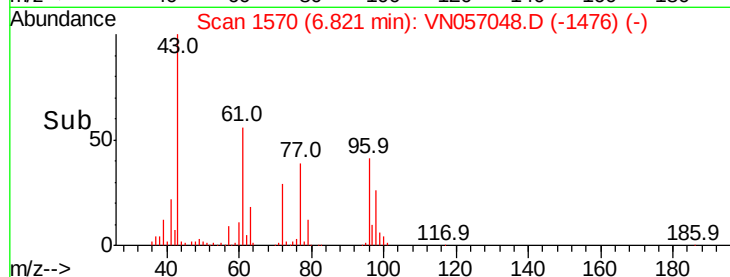
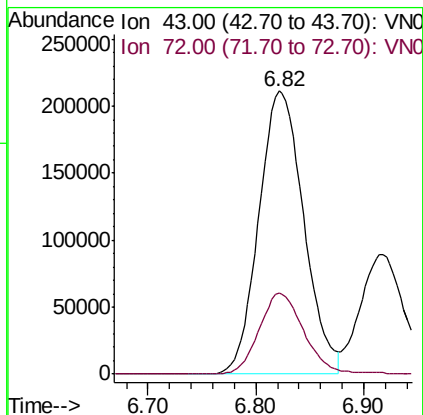
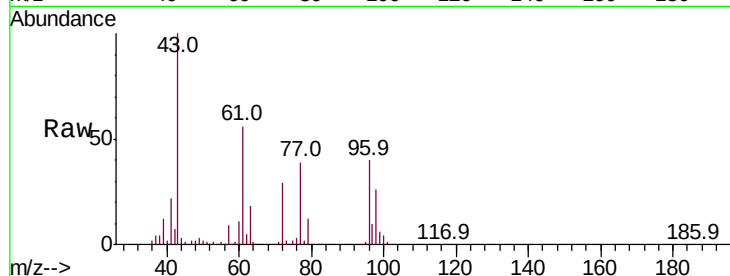
72 28.8 21.5 32.3

Manual Integrations

APPROVED

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8/2/2019 11:18:22 AM



#26

2,2-Dichloropropane

Concen: 47.776 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057048.D

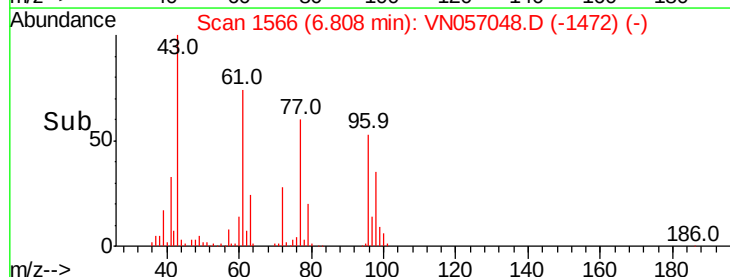
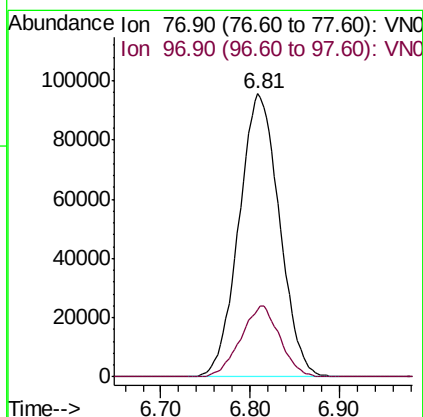
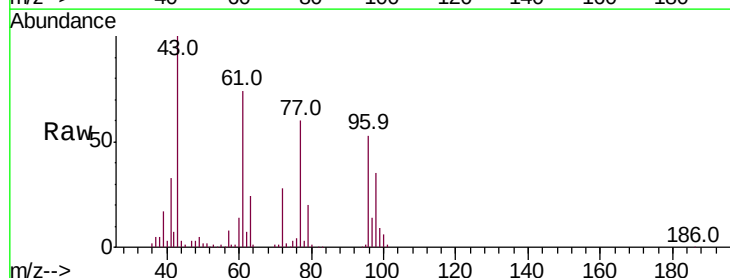
Acq: 1 Aug 2019 19:27

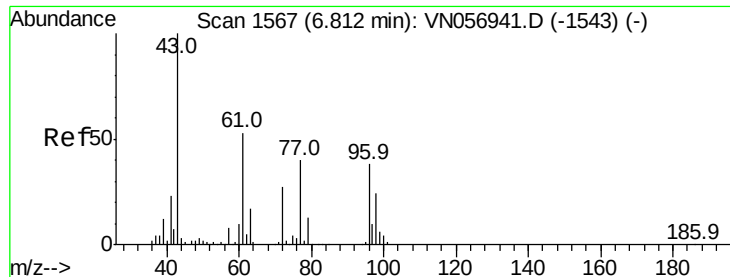
Tgt Ion: 77 Resp: 301891

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6





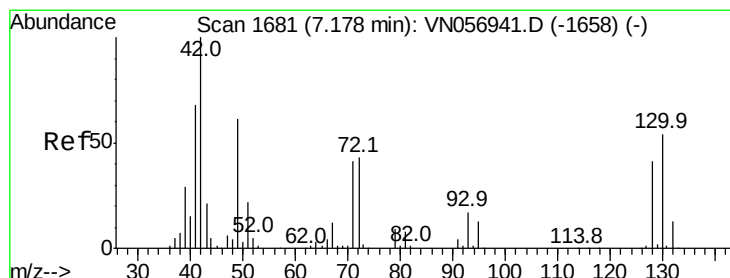
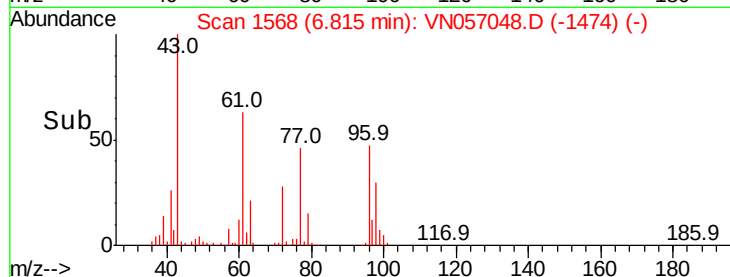
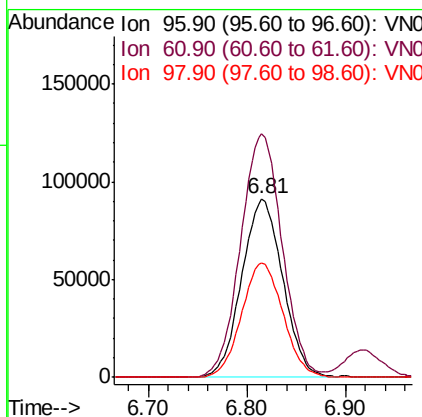
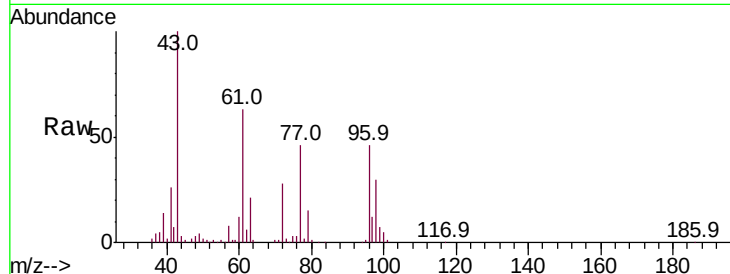
#27
 cis-1,2-Dichloroethene
 Concen: 49.837 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263086		
61	138.0	0.0	277.2	
98	64.5	0.0	128.4	

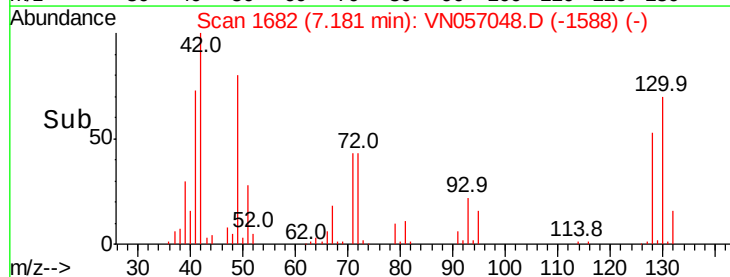
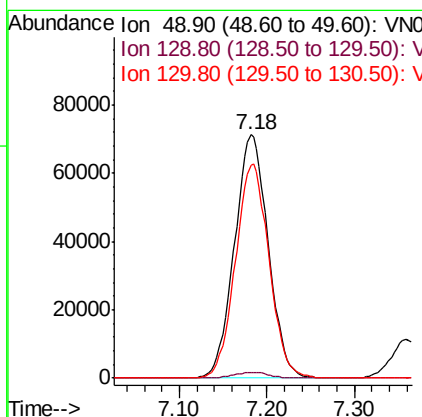
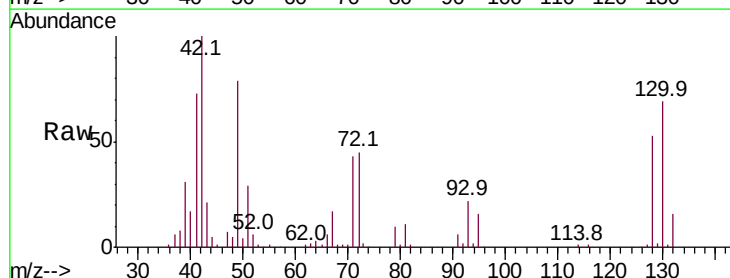
Manual Integrations
 APPROVED

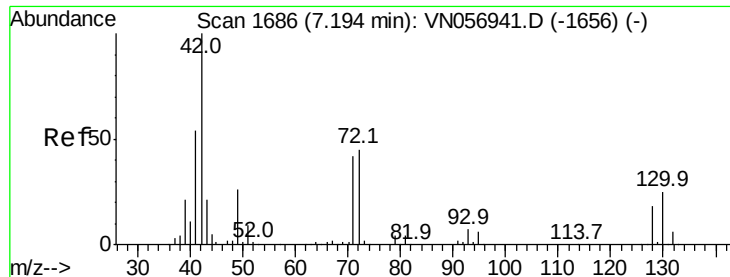
MMDadoda
 8/2/2019 11:18:22 AM



#28
 Bromochloromethane
 Concen: 48.873 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190907		
129	2.3	0.0	4.6	
130	87.5	69.0	103.4	





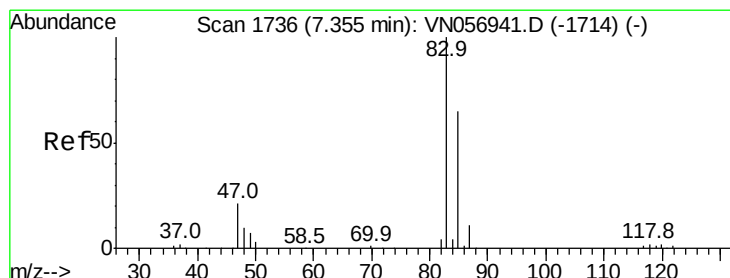
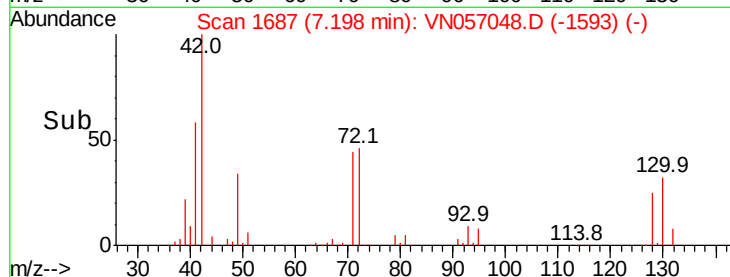
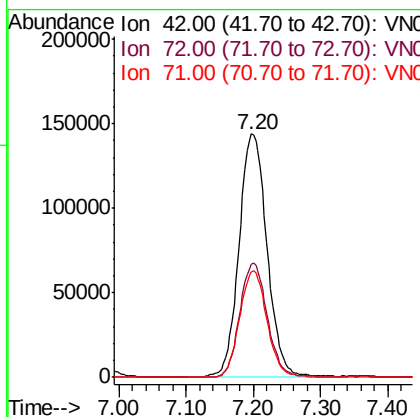
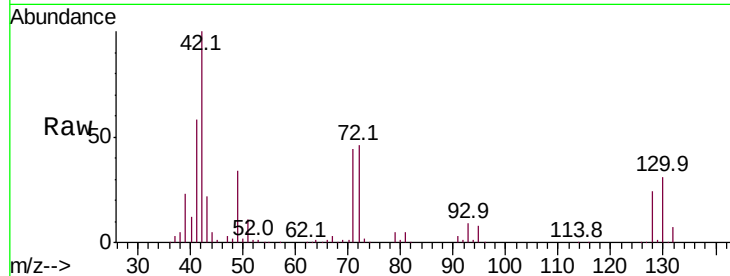
#29
Tetrahydrofuran
Concen: 253.144 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	415243
Ion Ratio	Lower	Upper	
42	100		
72	46.2	35.6	53.4
71	42.7	33.5	50.3

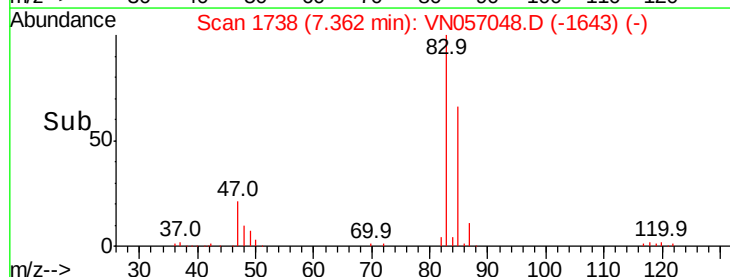
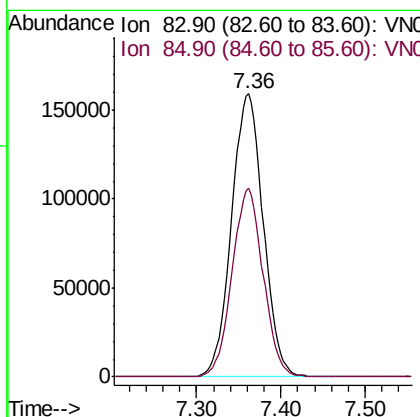
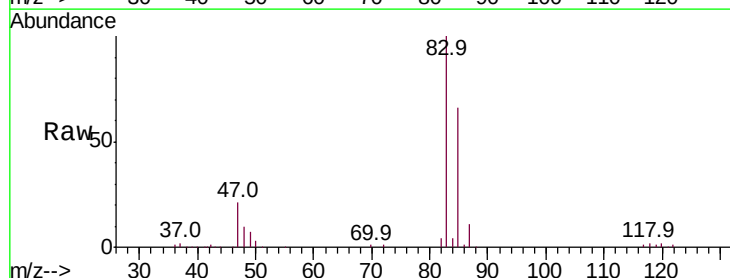
Manual Integrations
APPROVED

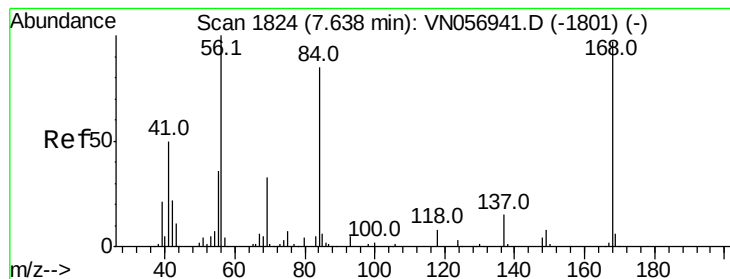
MMDadoda
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#30
Chloroform
Concen: 49.139 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:	83	Resp:	417523
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.2	78.2





#31

Cyclohexane

Concen: 45.111 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 362771

Ion Ratio Lower Upper

56 100

69 32.9 26.2 39.2

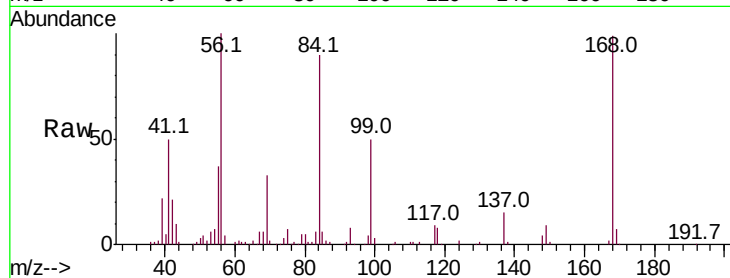
84 88.5 68.2 102.2

Manual Integrations

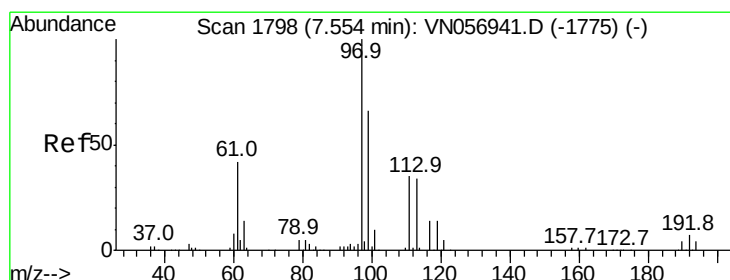
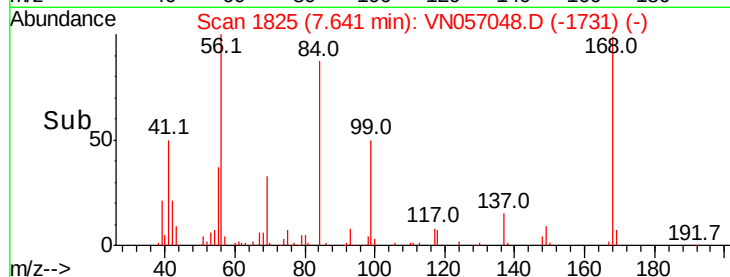
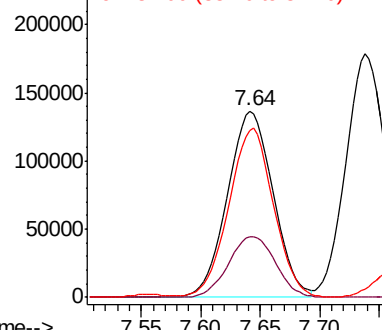
APPROVED

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8/2/2019 11:18:22 AM



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: 52.194 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

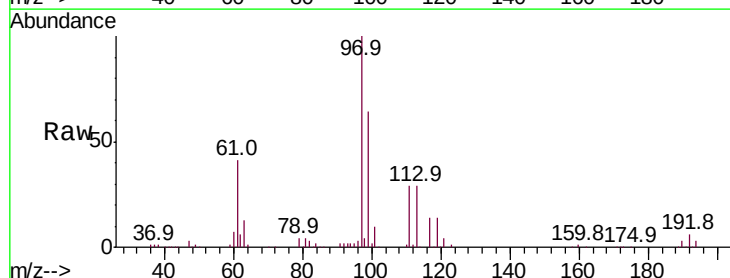
Tgt Ion: 97 Resp: 353843

Ion Ratio Lower Upper

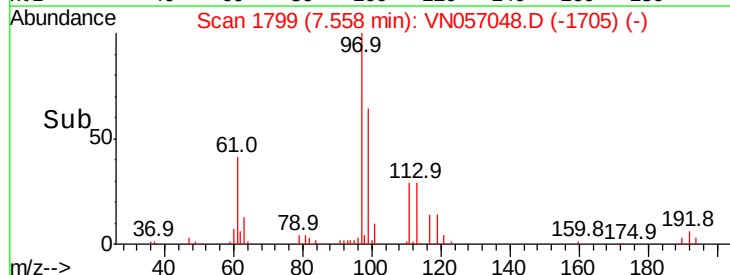
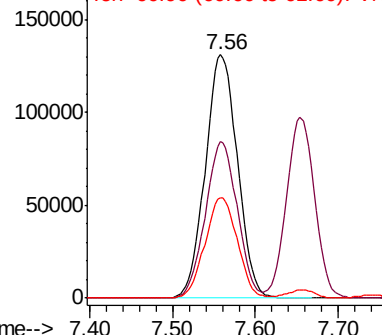
97 100

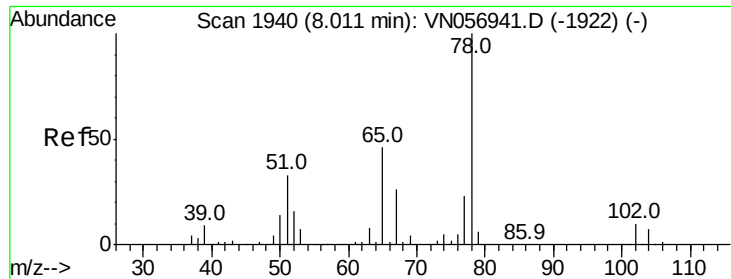
99 63.8 52.3 78.5

61 41.6 33.9 50.9



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





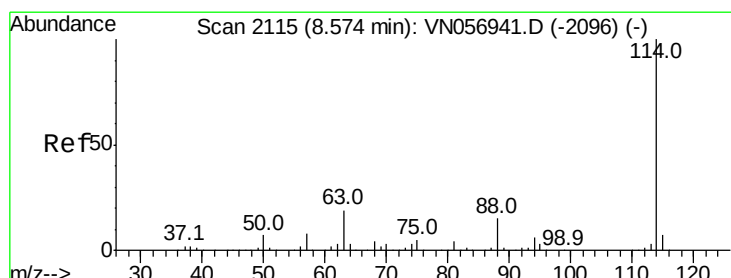
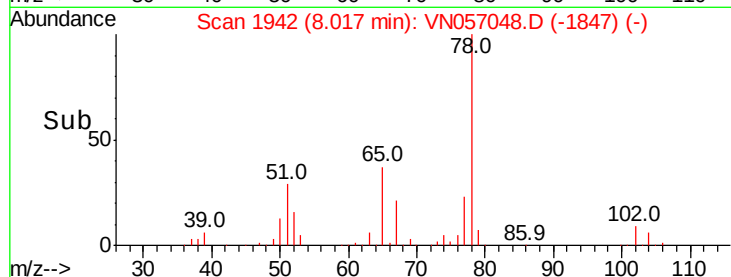
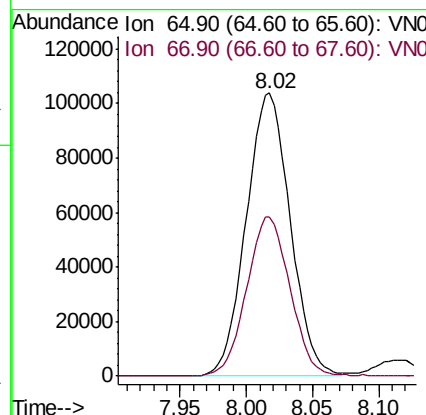
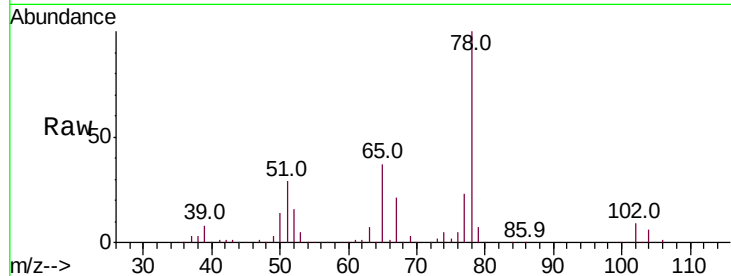
#33
 1,2-Dichloroethane-d4
 Concen: 49.065 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240128		
67	55.3	0.0	112.0	

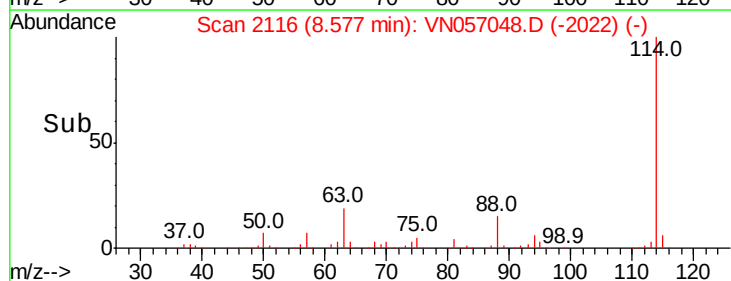
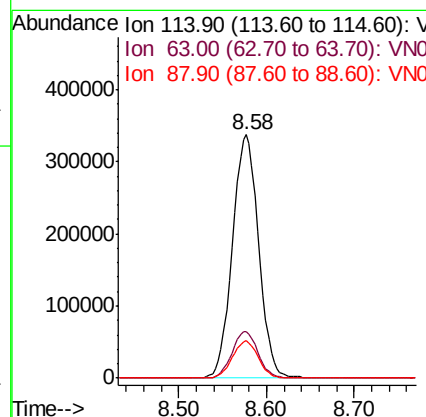
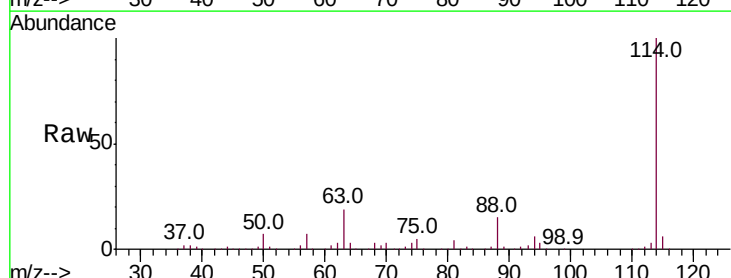
Manual Integrations
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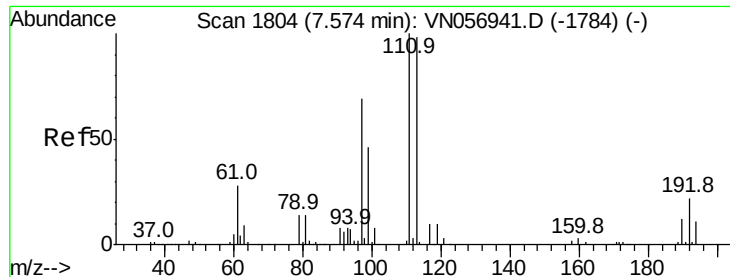
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	700125		
63	19.1	0.0	38.0	
88	15.2	0.0	30.0	





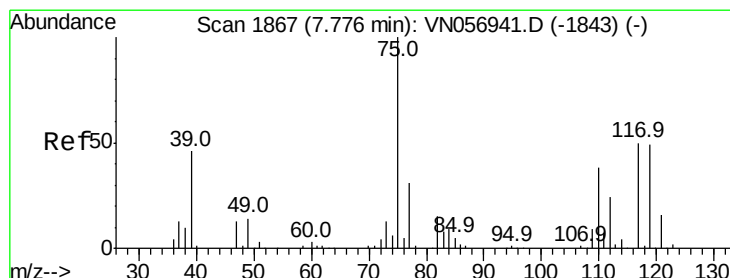
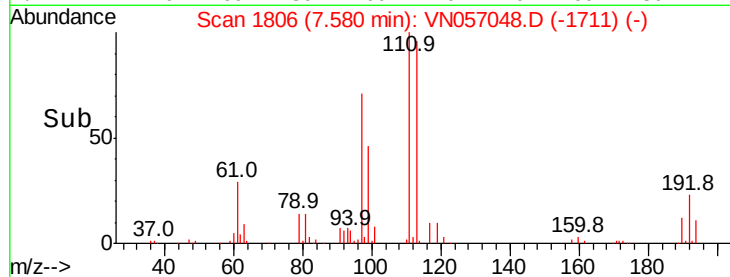
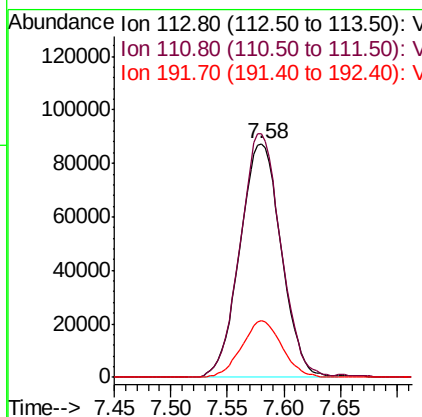
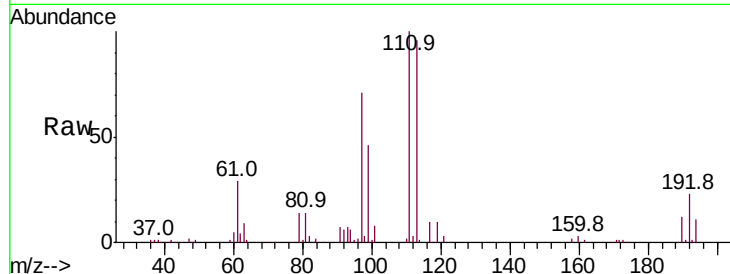
#35
 Dibromofluoromethane
 Concen: 49.620 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	23.5	18.4	27.6

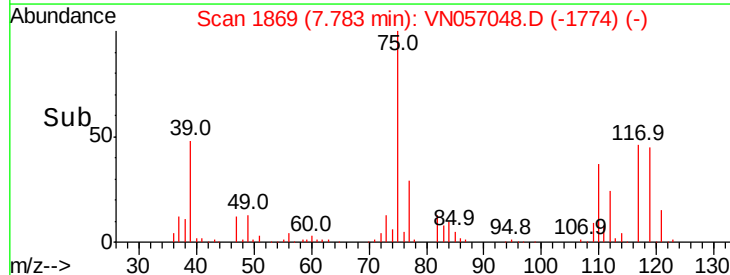
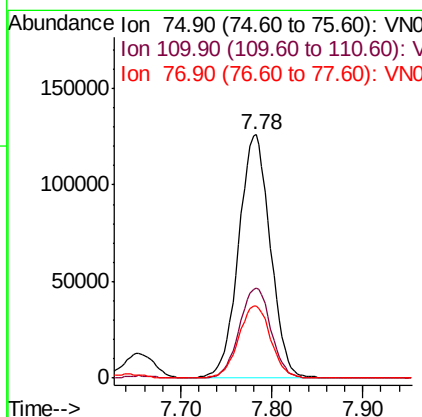
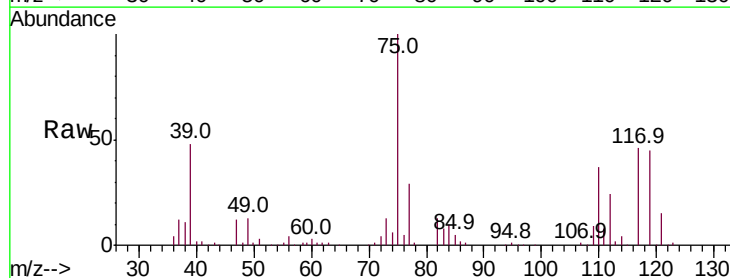
Manual Integrations
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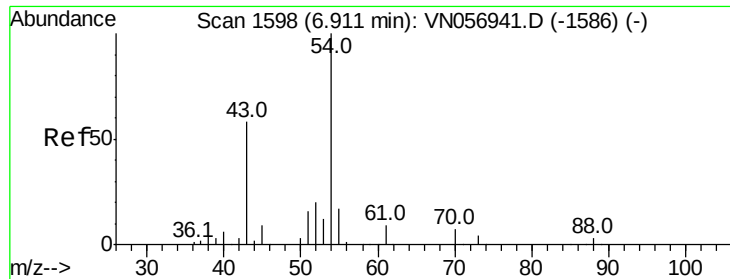
MMDadoda
 8/2/2019 11:18:22 AM



#36
 1,1-Dichloropropene
 Concen: 49.243 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.6	55.8
77	30.3	25.2	37.8





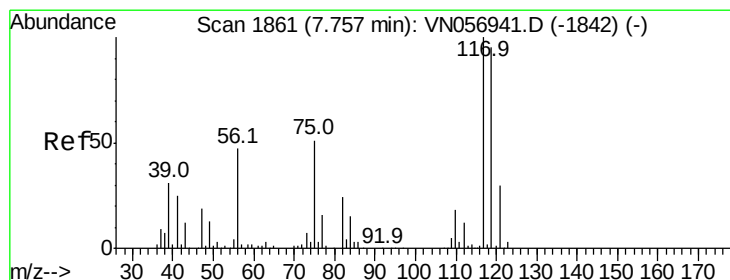
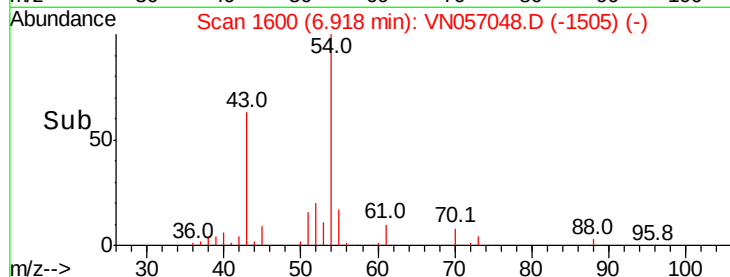
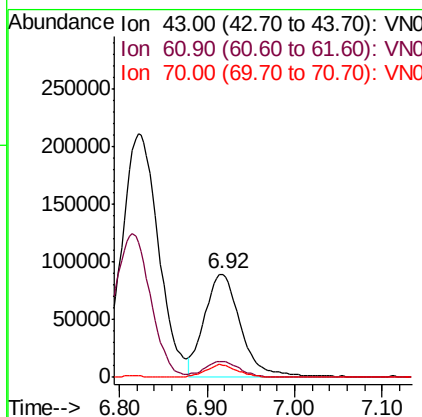
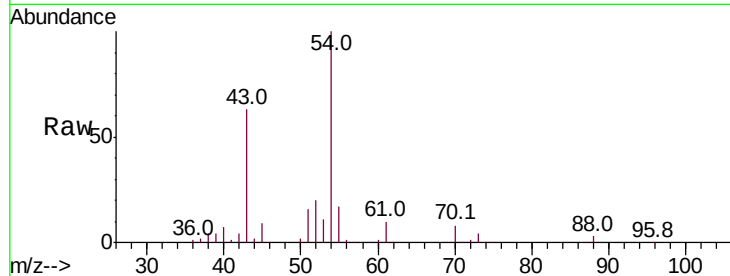
#37
Ethyl Acetate
Concen: 51.414 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	10.9	8.5	12.7

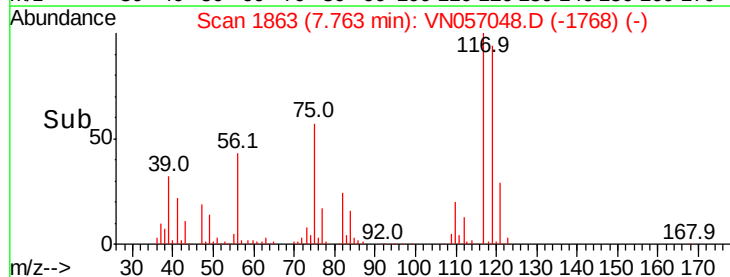
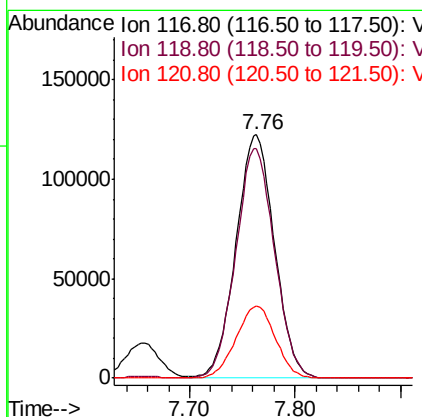
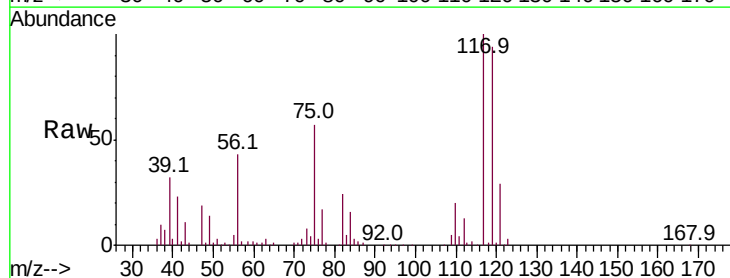
Manual Integrations
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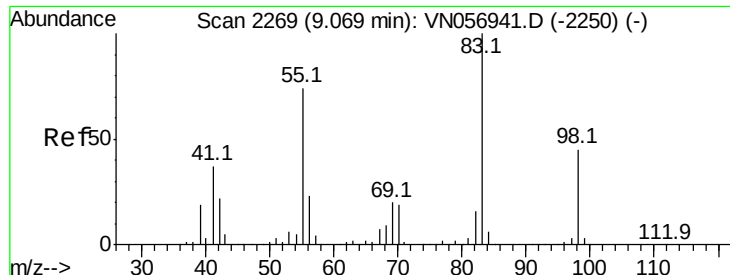
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.249 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	29.4	24.2	36.4





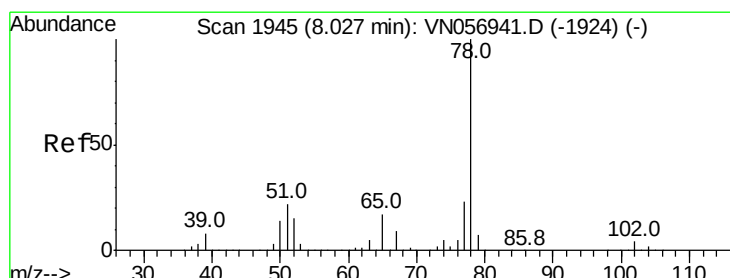
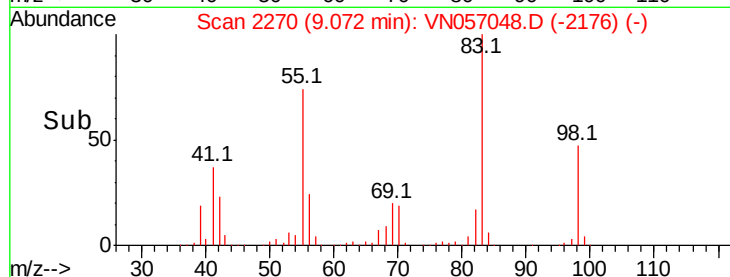
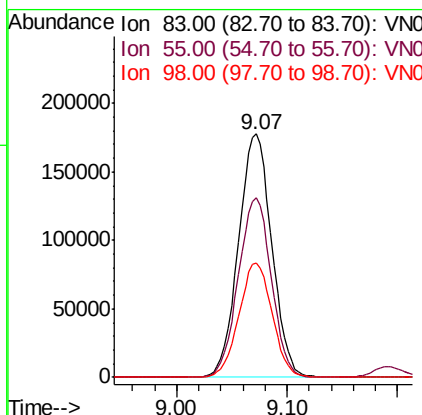
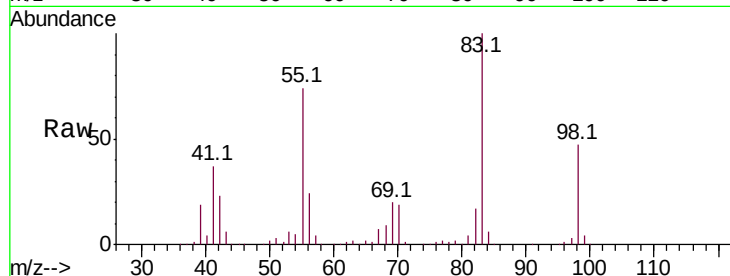
#39
Methylvlcyclohexane
Concen: 47.147 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.0	88.6
98	46.9	36.2	54.4

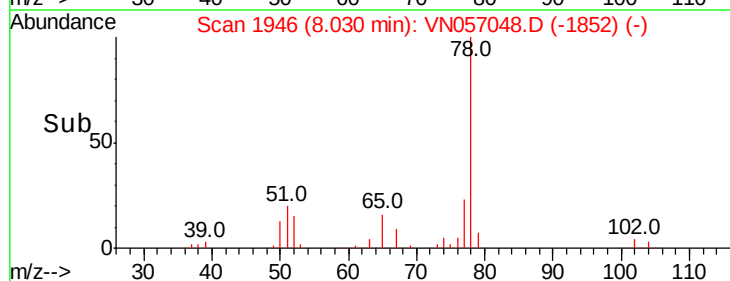
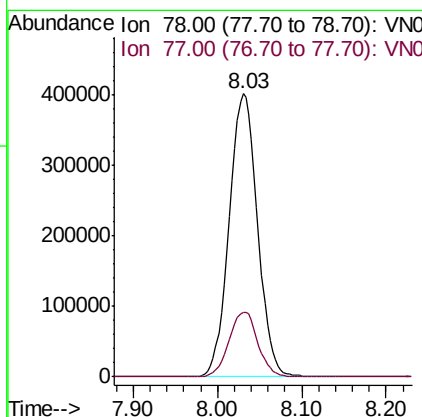
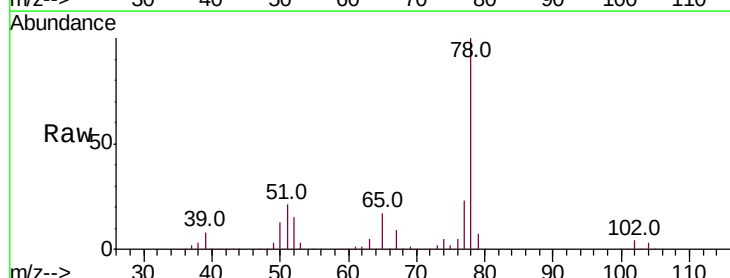
Manual Integrations
APPROVED

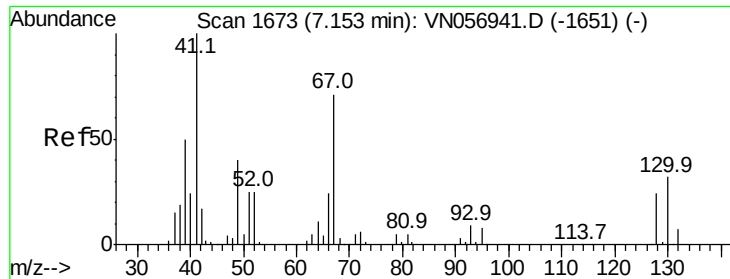
MMDadoda
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#40
Benzene
Concen: 49.617 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





#41

Methacrylonitrile

Concen: 53.281 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 121533

Ion Ratio Lower Upper

41 100

39 65.0 48.9 73.3

67 94.1 83.4 125.0

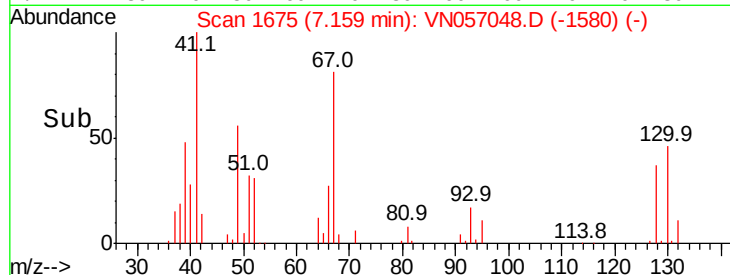
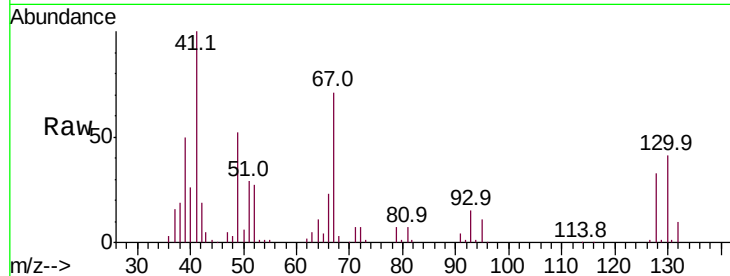
52 35.1 30.9 46.3

Manual Integrations

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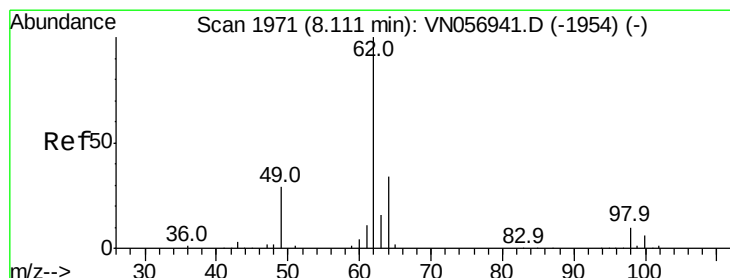
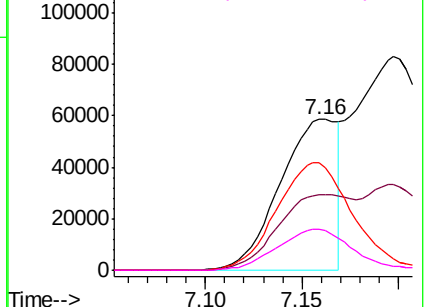


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 51.515 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057048.D

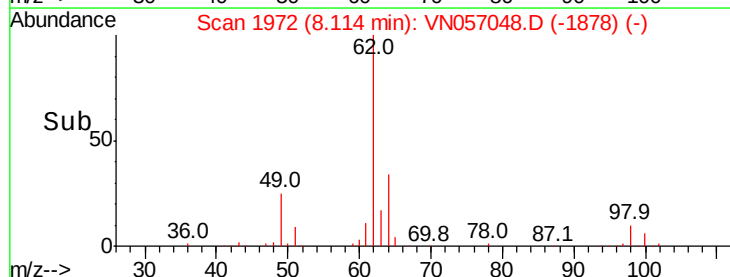
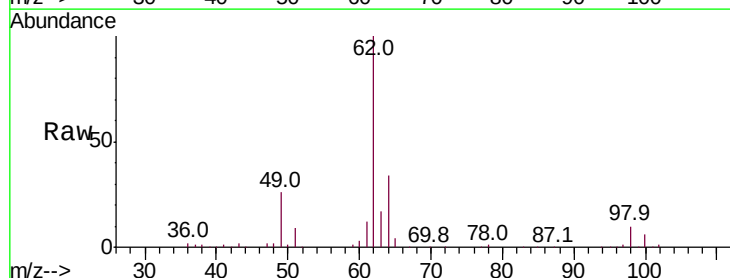
Acq: 1 Aug 2019 19:27

Tgt Ion: 62 Resp: 306353

Ion Ratio Lower Upper

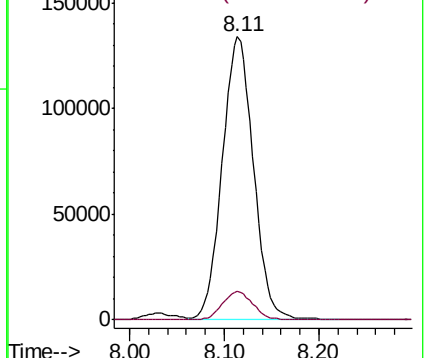
62 100

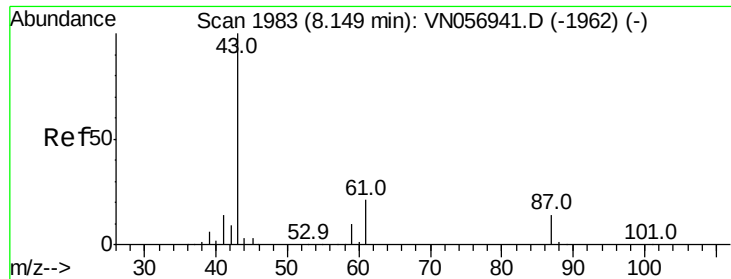
98 9.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.879 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

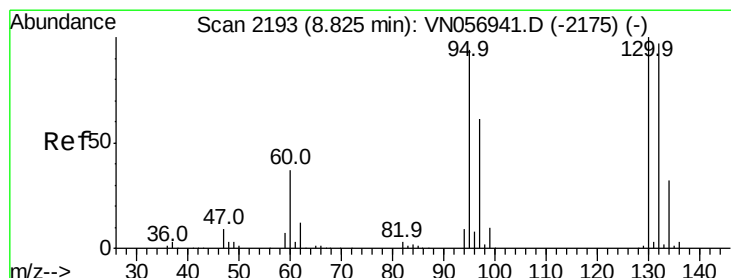
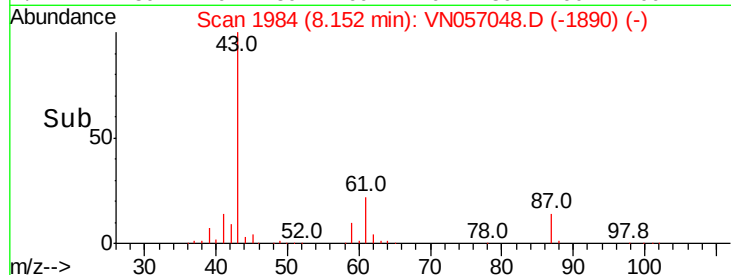
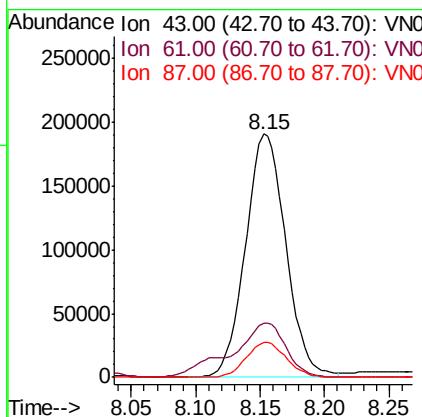
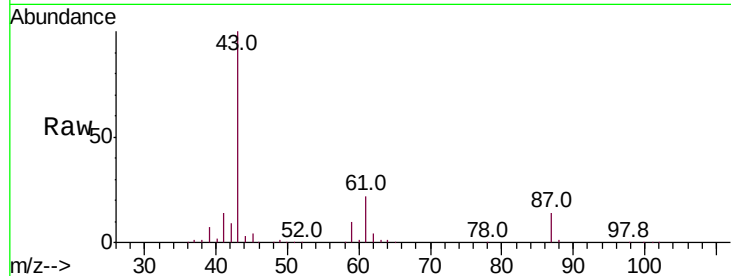
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	414931
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.0	34.6
87	14.5	11.7	17.5

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#44

Trichloroethene

Concen: 50.724 ug/l

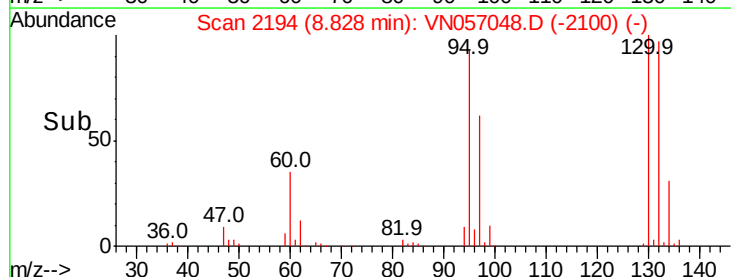
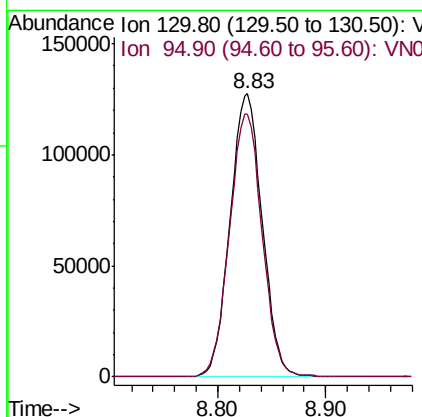
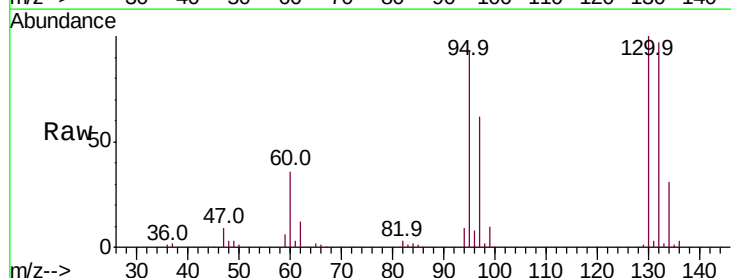
RT: 8.83 min Scan# 2194

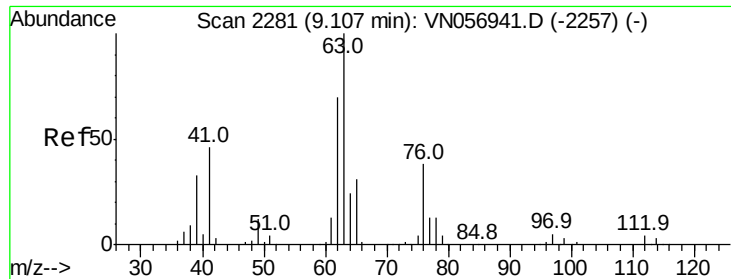
Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	130	Resp:	265164
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	189.0





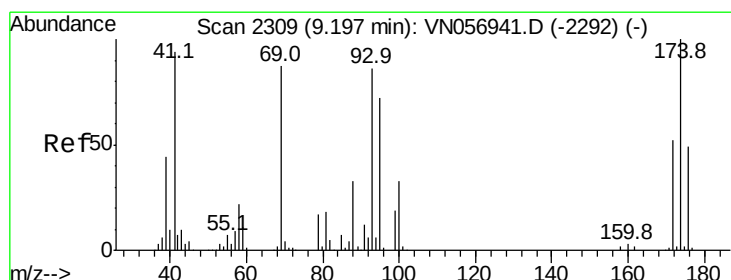
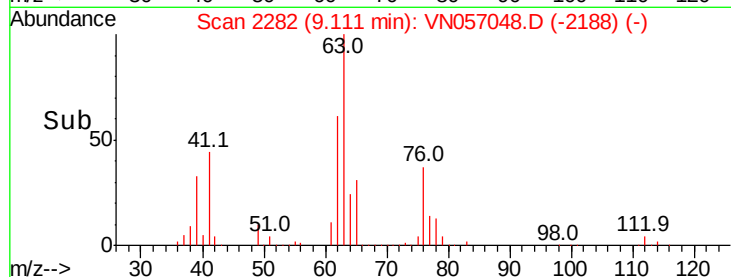
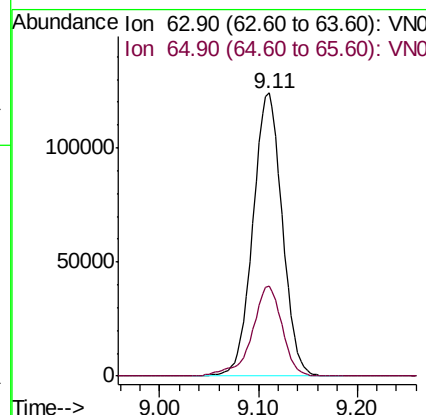
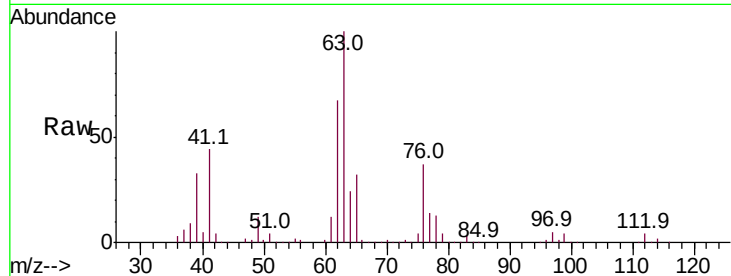
#45
 1,2-Dichloropropane
 Concen: 50.072 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.8	37.2

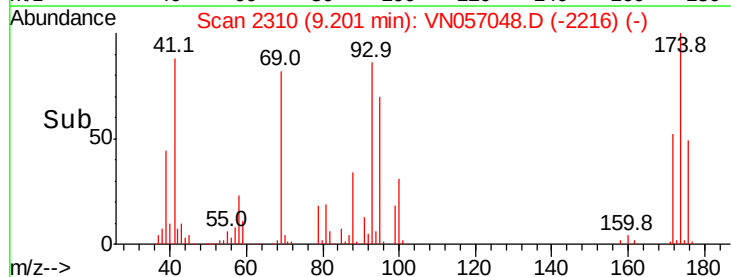
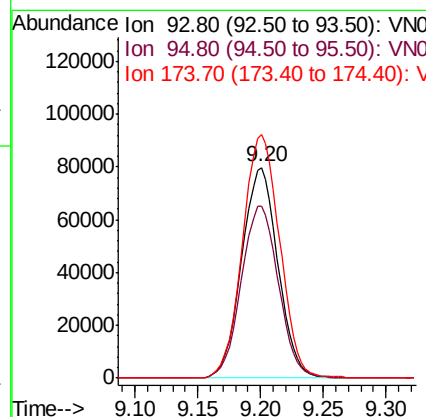
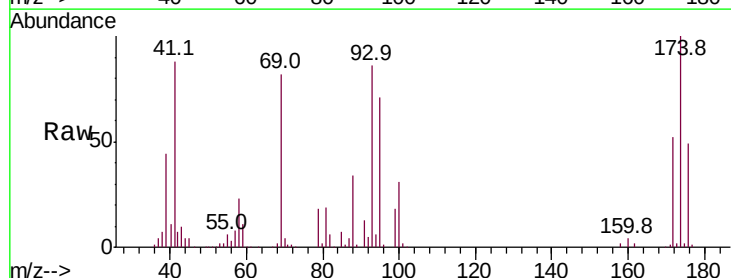
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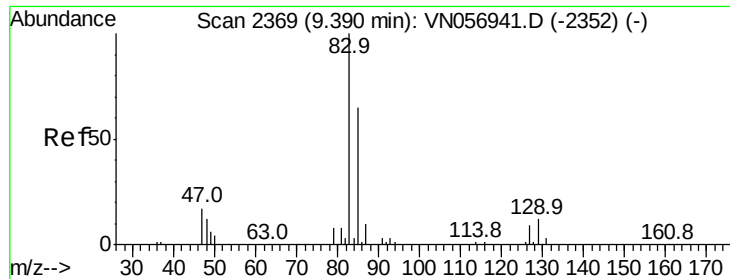
MMDadoda
 8/2/2019 11:18:22 AM



#46
 Dibromomethane
 Concen: 52.570 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.6
174	118.7	92.7	139.1





#47

Bromodichloromethane

Concen: 52.477 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

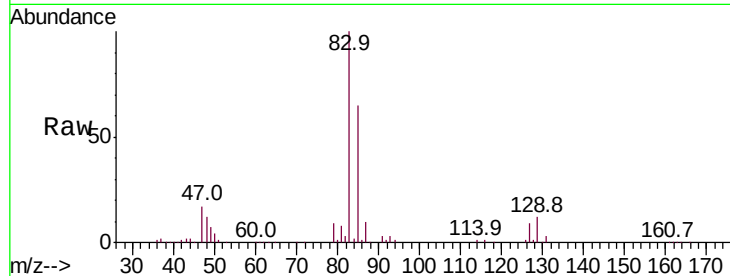
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	315799
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.6	77.4
127	9.5	7.3	10.9

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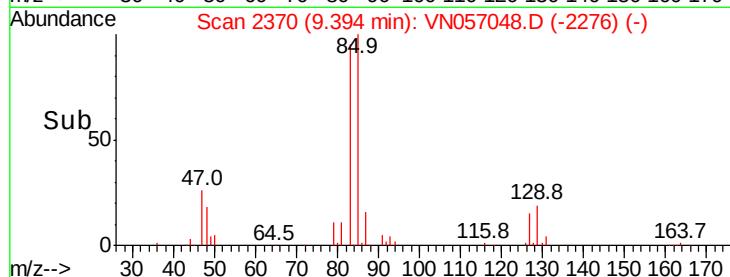


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

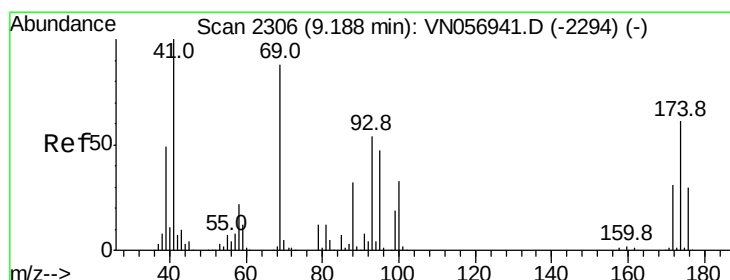
Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 52.557 ug/l

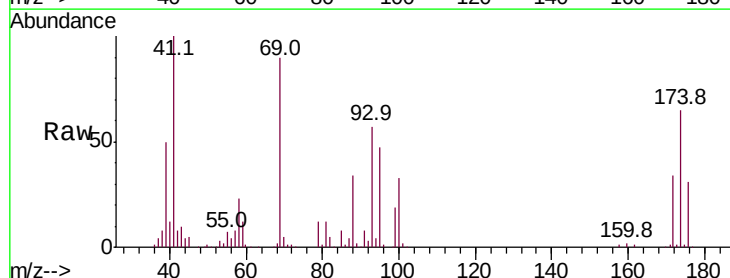
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	41	Resp:	206935
Ion	Ratio	Lower	Upper
41	100		
69	93.9	73.4	110.0
39	50.9	39.9	59.9

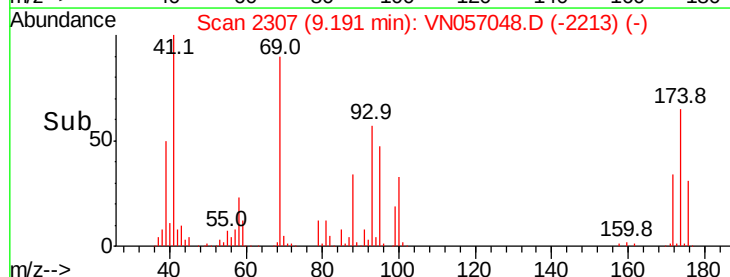


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

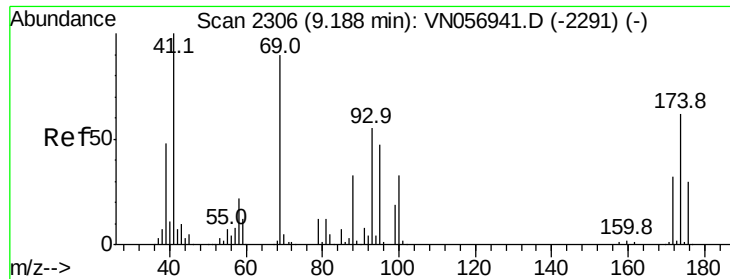
Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 1061.377 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057048.D

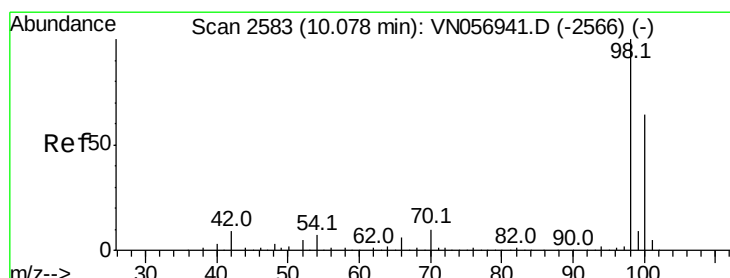
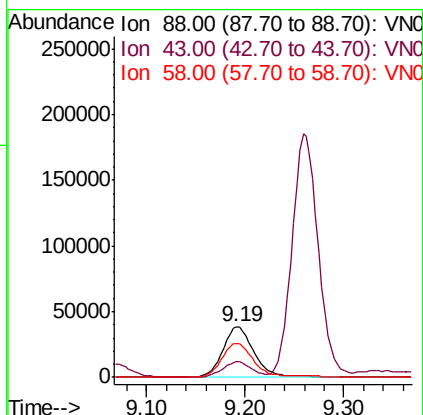
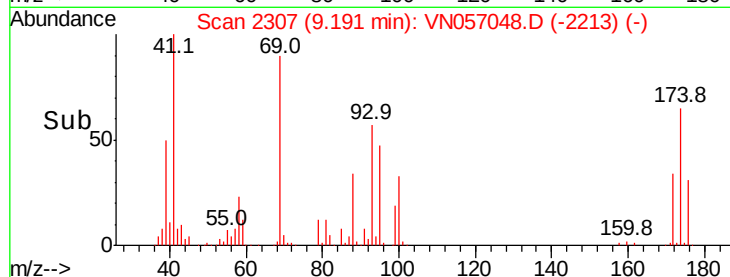
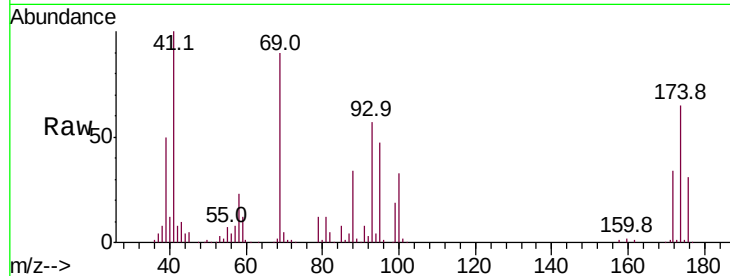
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	88	Resp:	86120
Ion	Ratio	Lower	Upper
88	100		
43	26.9	22.2	33.2
58	66.5	54.1	81.1

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#50

Toluene-d8

Concen: 48.714 ug/l

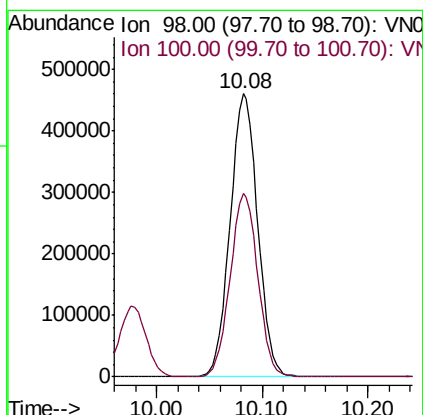
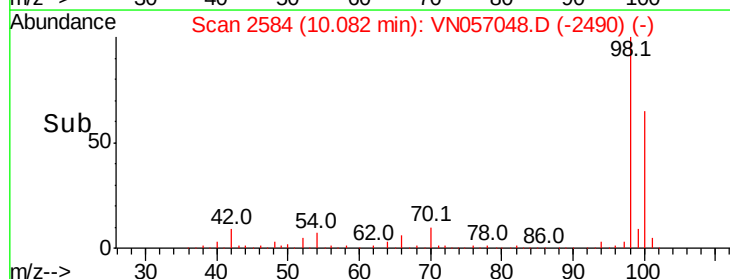
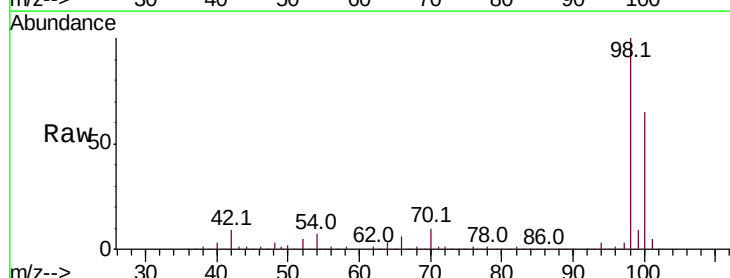
RT: 10.08 min Scan# 2584

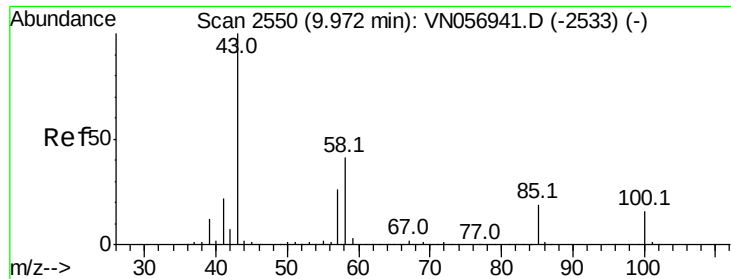
Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	98	Resp:	832620
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 260.964 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1264509

Ion Ratio Lower Upper

43 100

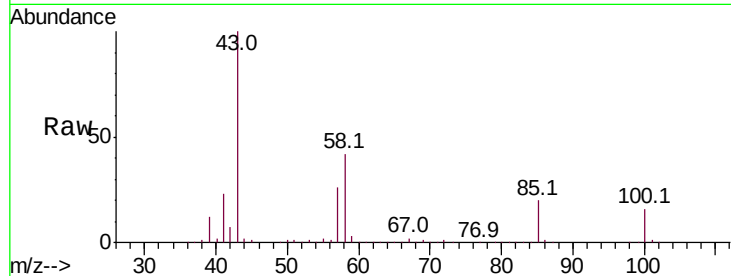
58 41.6 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

800000

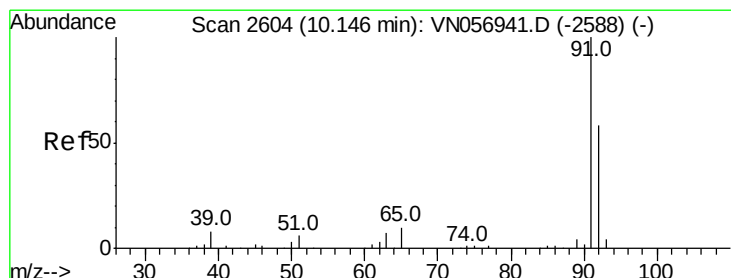
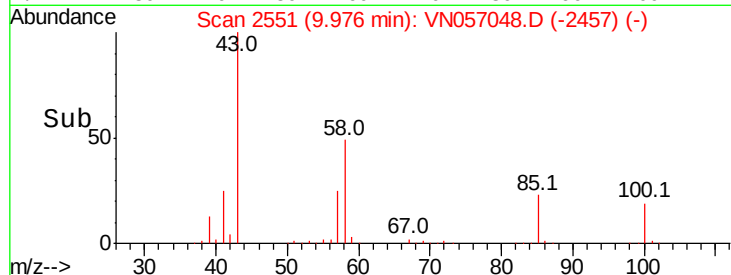
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.733 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057048.D

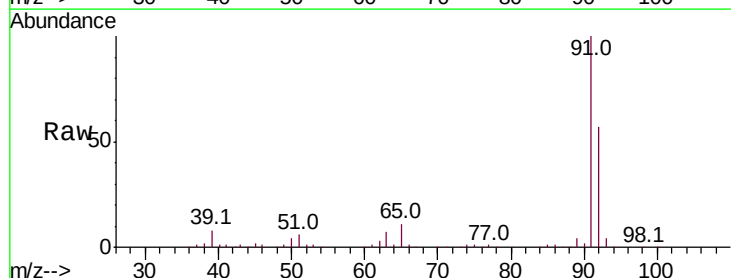
Acq: 1 Aug 2019 19:27

Tgt Ion: 92 Resp: 589773

Ion Ratio Lower Upper

92 100

91 173.9 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

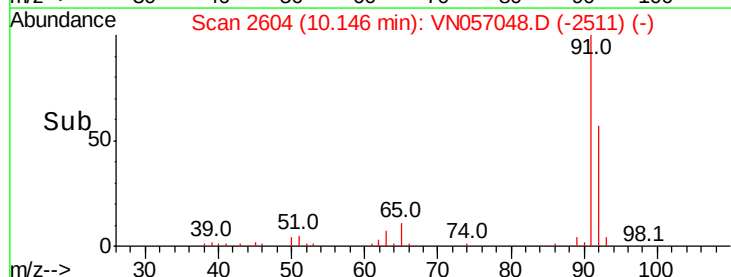
600000

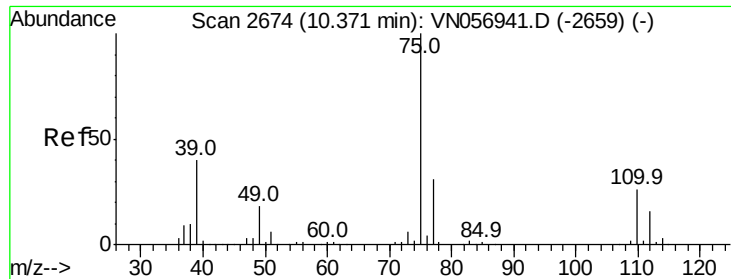
400000

200000

0

Time-->





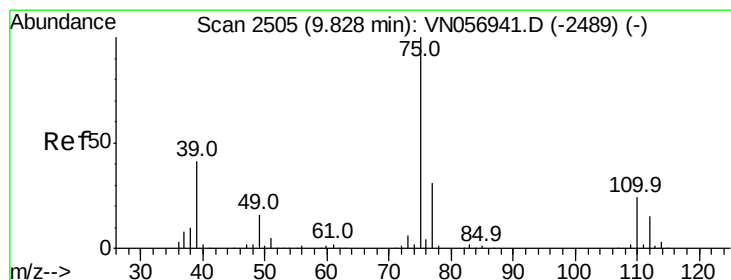
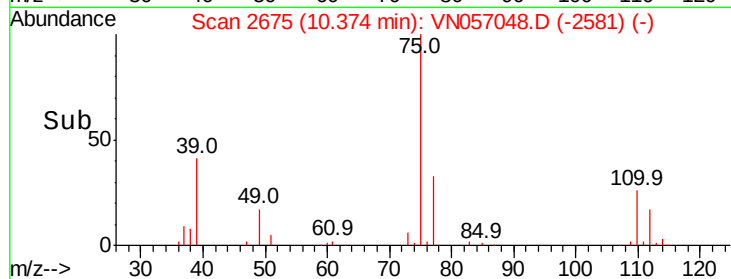
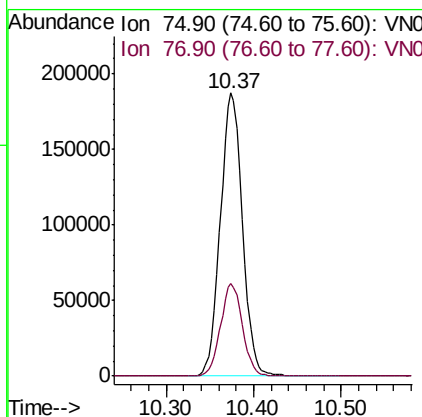
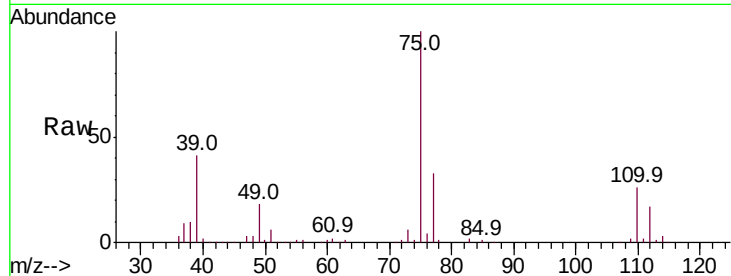
#53
 t-1,3-Dichloropropene
 Concen: 52.627 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 328645
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.1 37.7

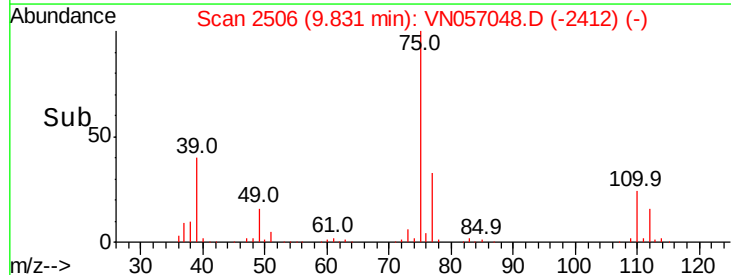
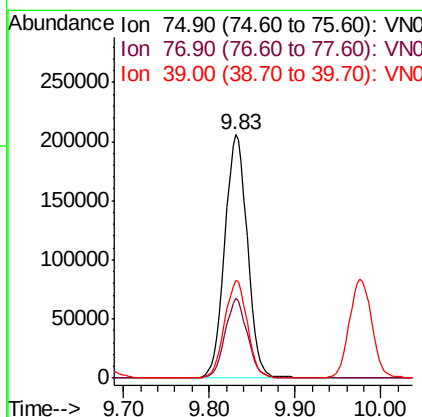
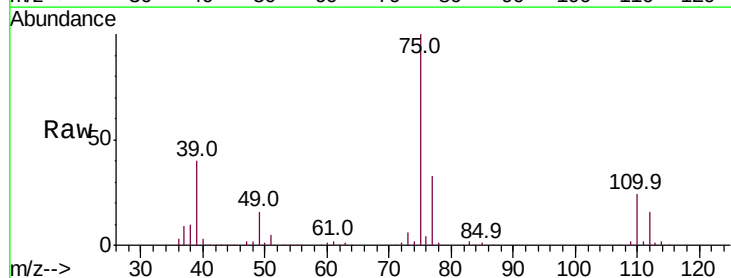
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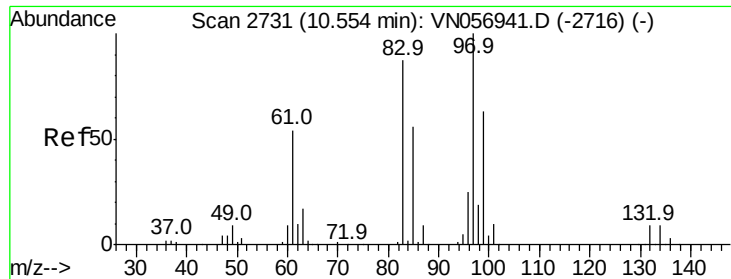
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#54
 cis-1,3-Dichloropropene
 Concen: 51.985 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 75 Resp: 377462
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6
 39 39.8 32.6 49.0





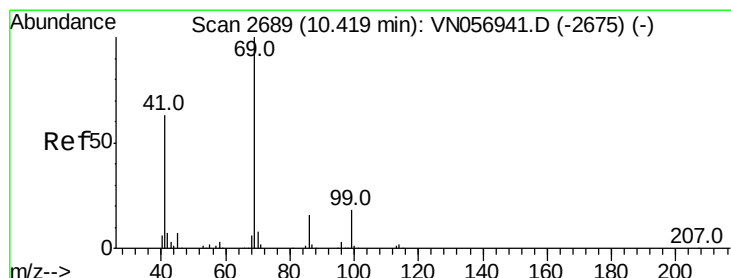
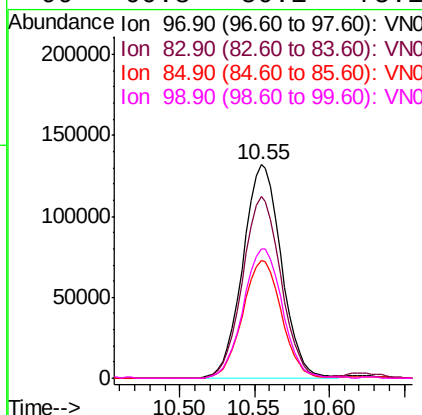
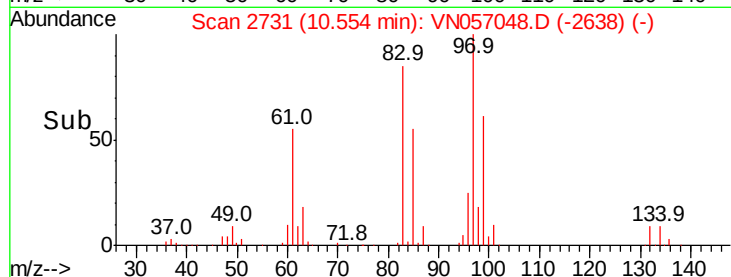
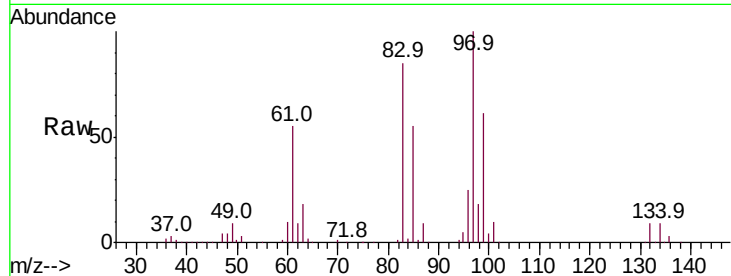
#55
 1,1,2-Trichloroethane
 Concen: 51.648 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.4	104.0
85	55.1	44.7	67.1
99	60.8	50.1	75.1

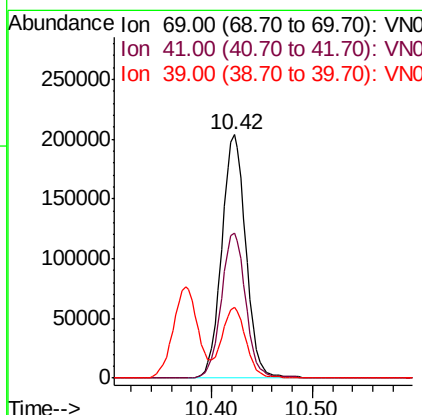
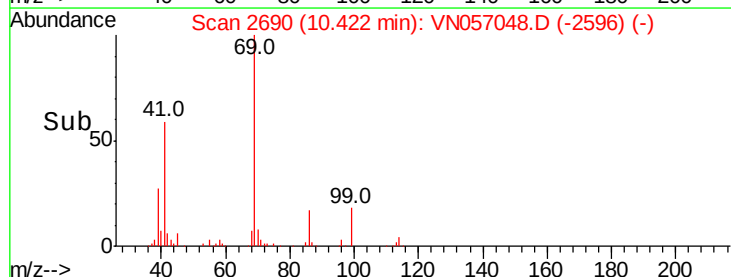
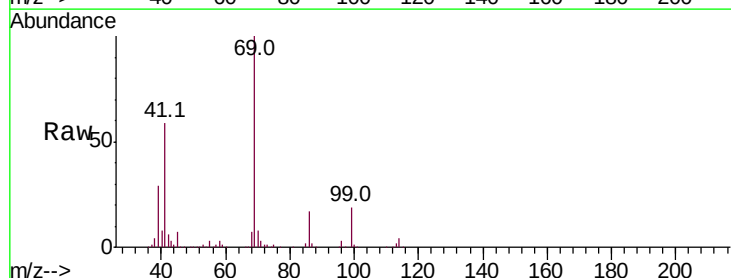
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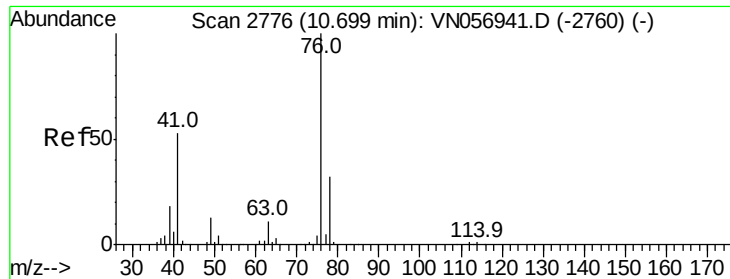
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#56
 Ethyl methacrylate
 Concen: 49.422 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	49.2	73.8
39	28.4	23.1	34.7





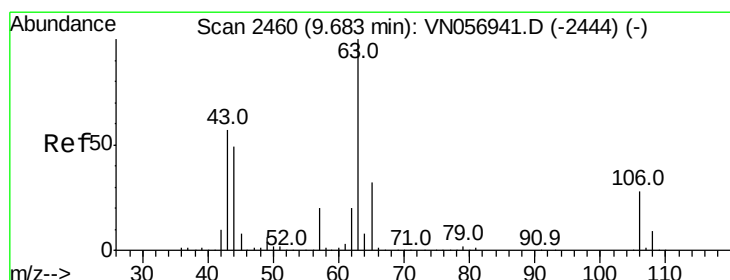
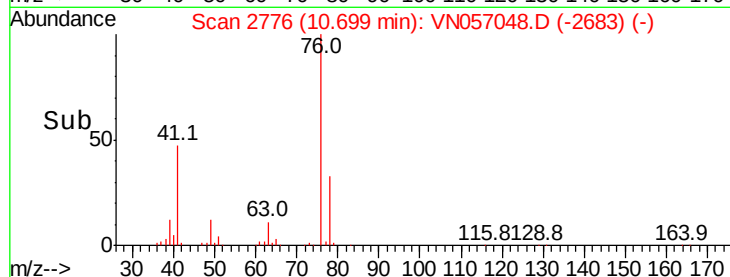
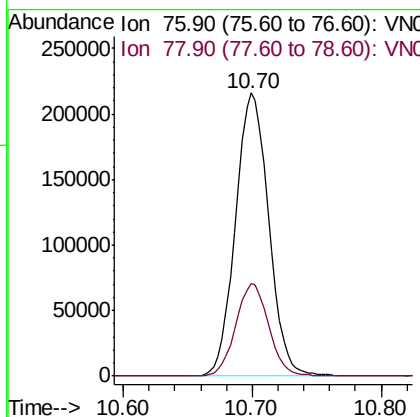
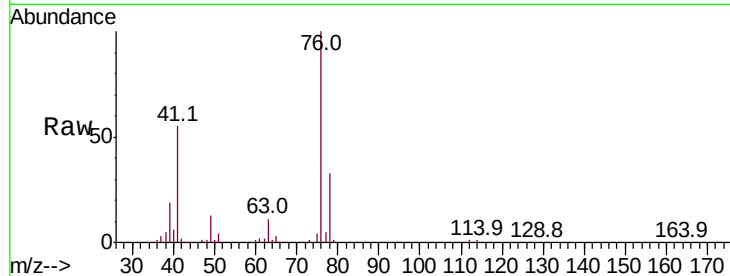
#57
 1,3-Dichloropropane
 Concen: 51.143 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

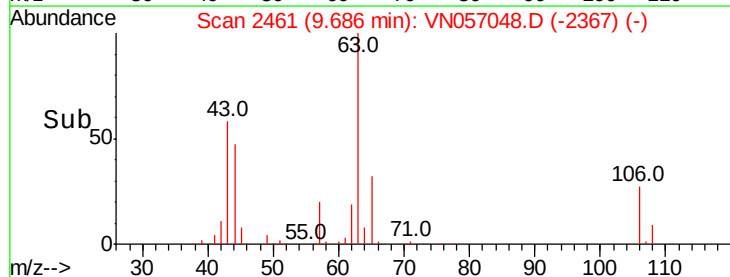
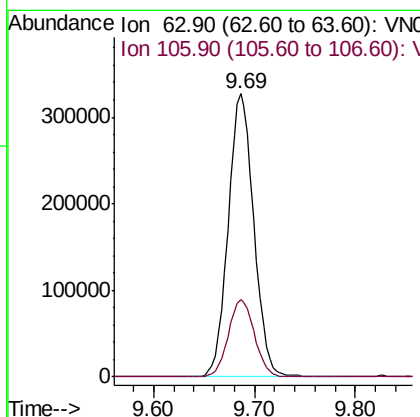
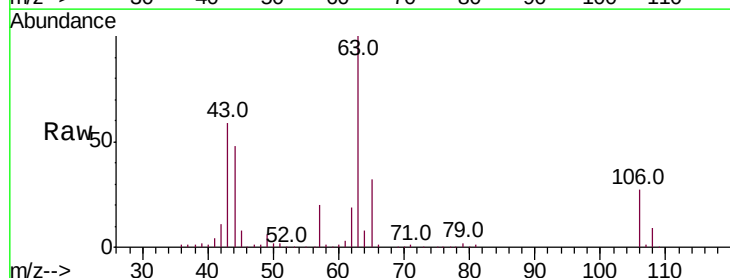
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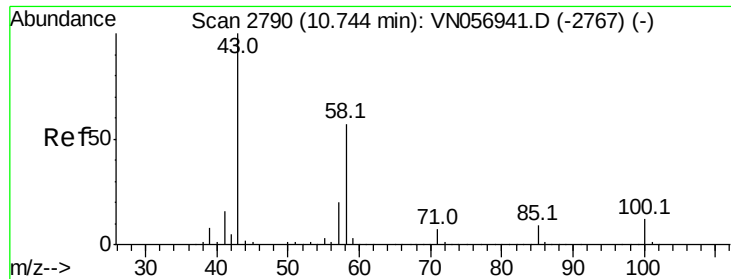
MMDadoda
 8/2/2019 11:18:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.524 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.0	33.0





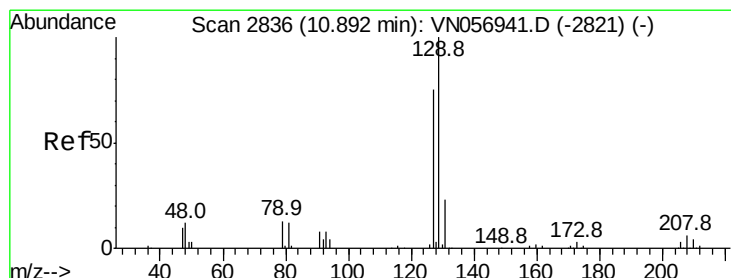
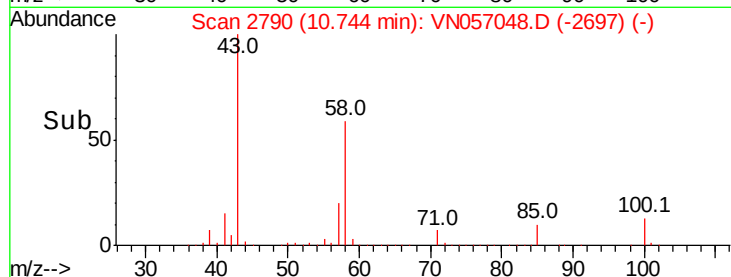
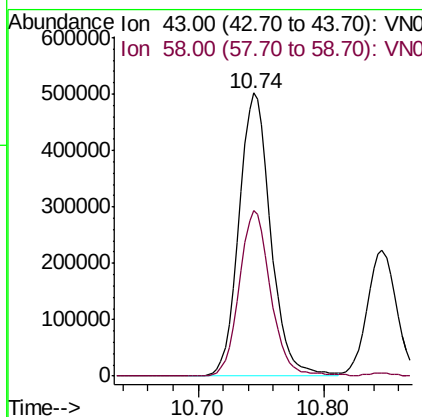
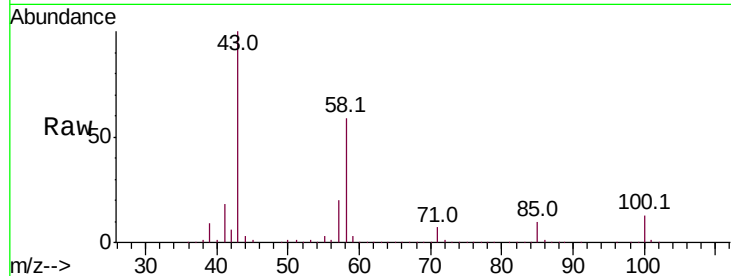
#59
2-Hexanone
Concen: 236.087 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 880442
Ion Ratio Lower Upper
43 100
58 58.1 28.5 85.5

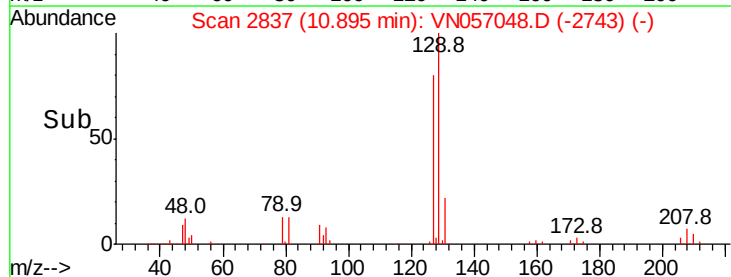
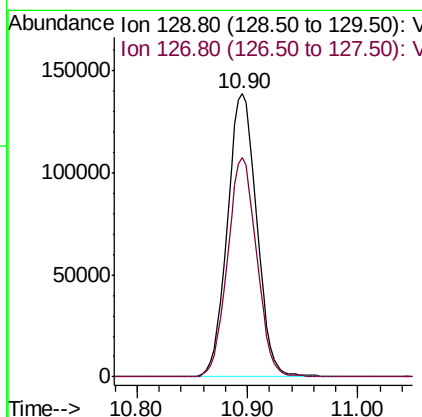
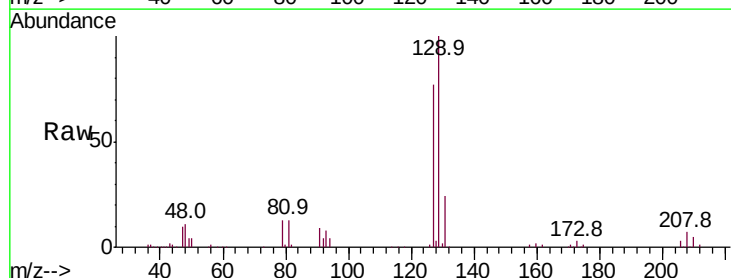
Manual Integrations
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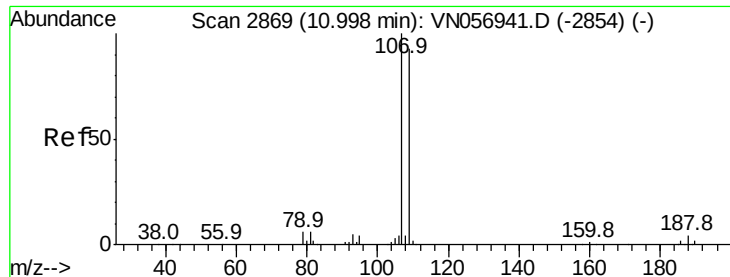
MMDadoda
8/2/2019 11:18:22 AM



#60
Dibromochloromethane
Concen: 54.847 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 129 Resp: 256903
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





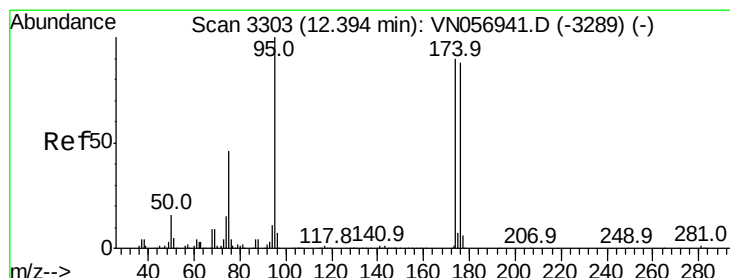
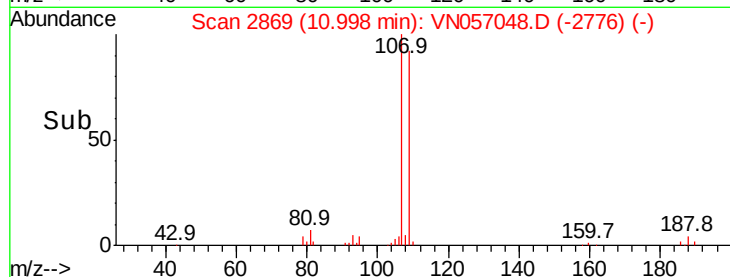
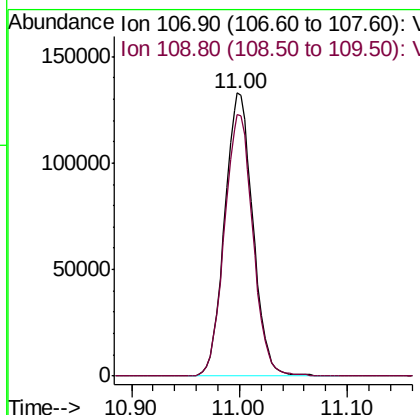
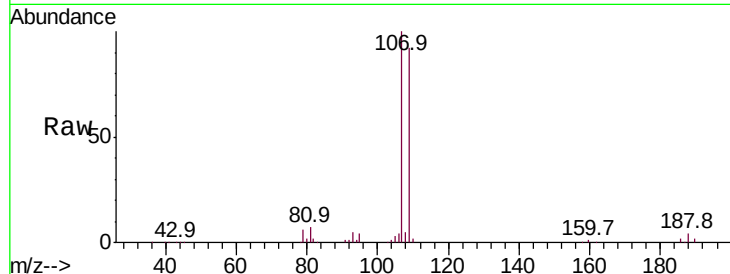
#61
 1,2-Dibromoethane
 Concen: 54.141 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 241560
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.0 114.0

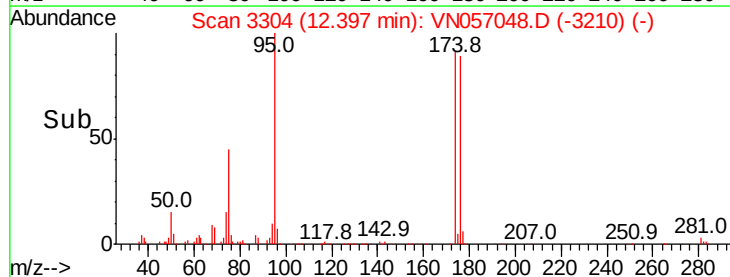
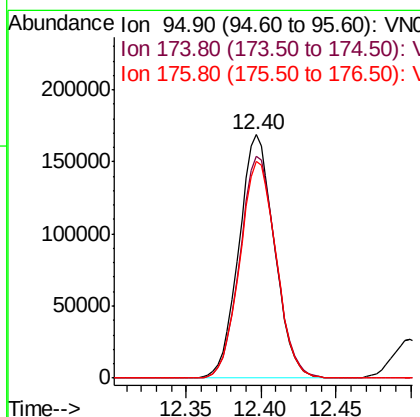
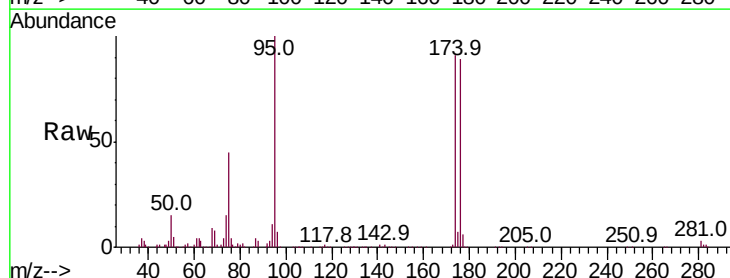
Manual Integrations
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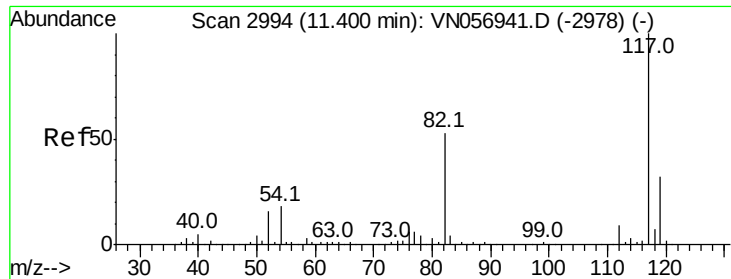
MMDadoda
 8/2/2019 11:18:22 AM



#62
 4-Bromofluorobenzene
 Concen: 50.031 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion: 95 Resp: 278383
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 182.2
 176 91.1 0.0 179.4





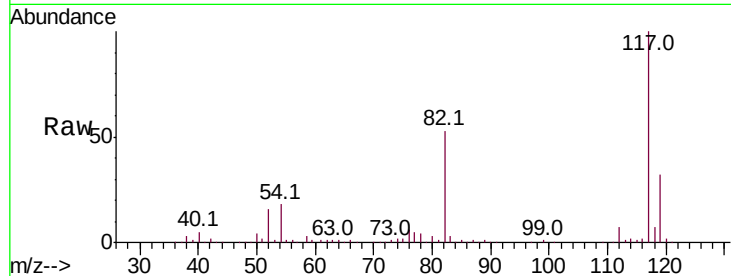
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	32.1	25.8	38.6

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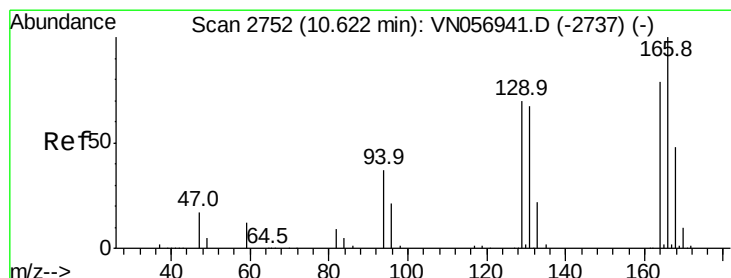
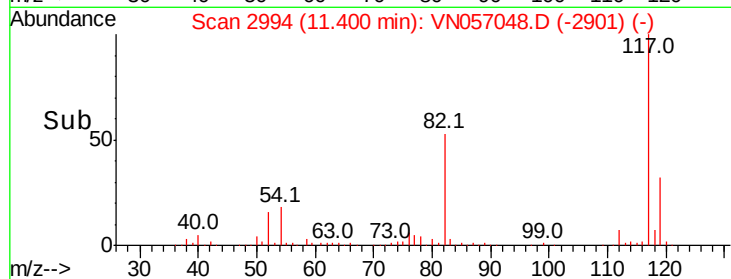
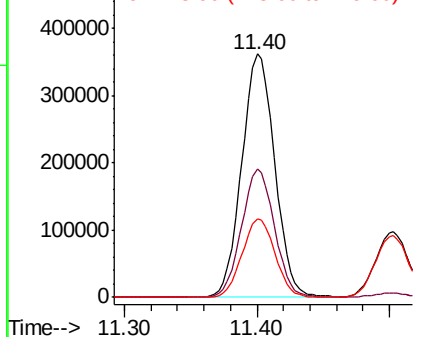


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.1	151.7
129	88.9	70.9	106.3
131	85.4	67.7	101.5

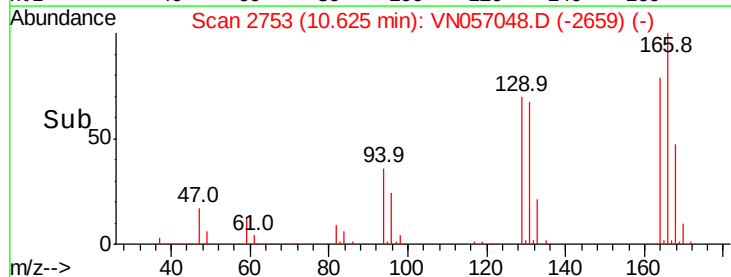
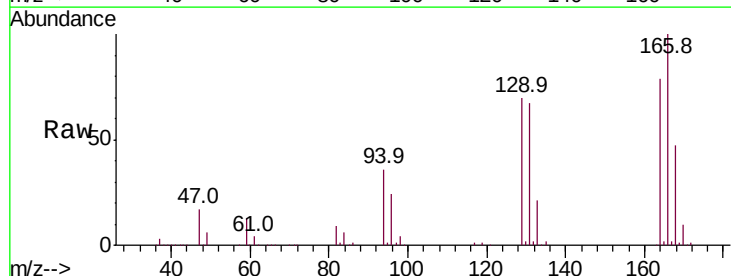
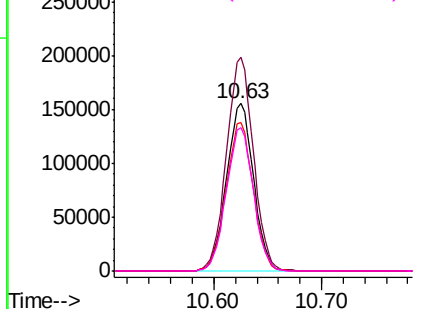
Abundance

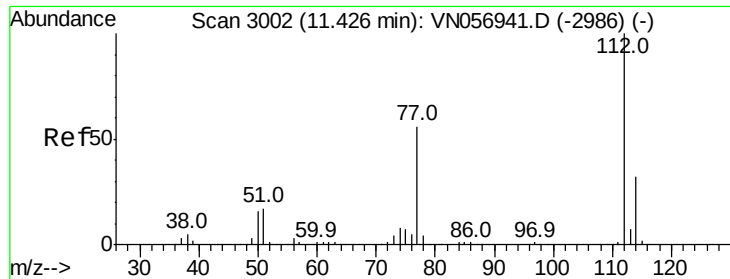
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





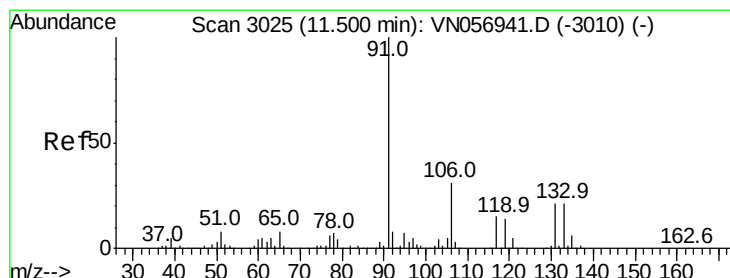
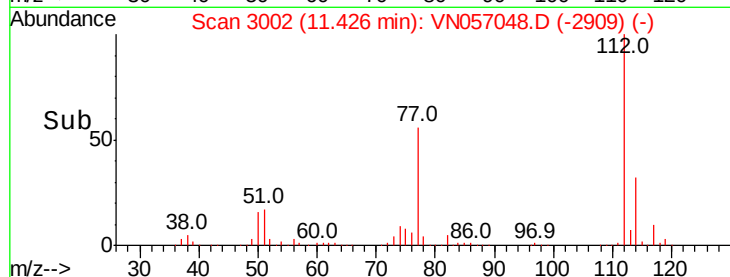
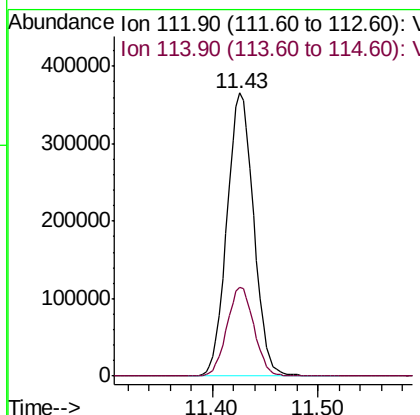
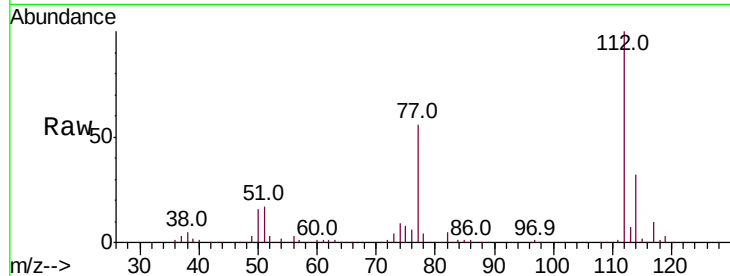
#65
Chlorobenzene
Concen: 50.055 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 639259
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

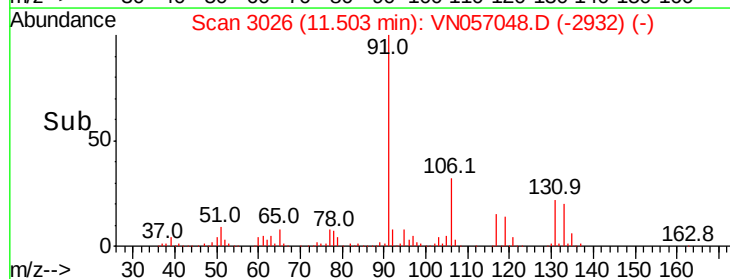
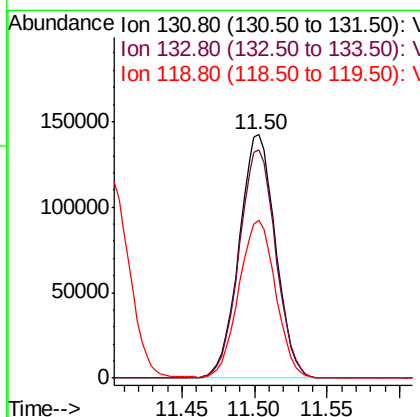
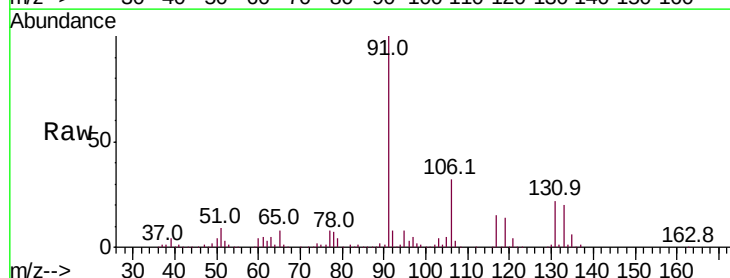
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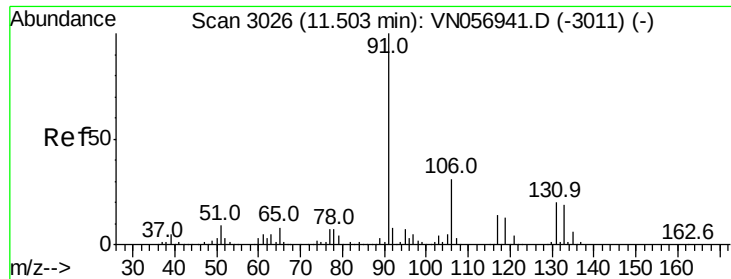
MMDadoda
8/2/2019 11:18:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.615 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:131 Resp: 248104
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 65.7 33.2 99.6





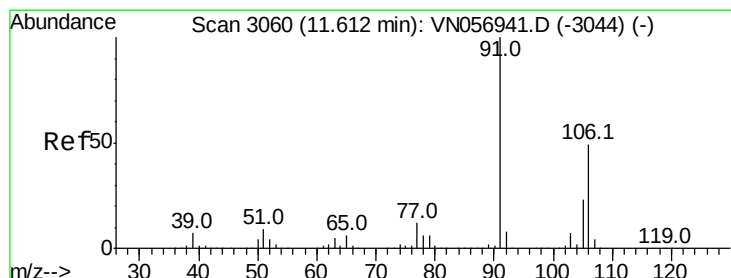
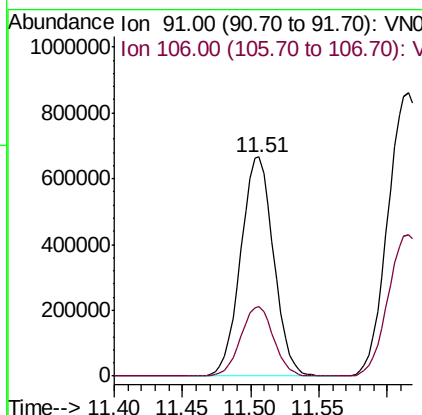
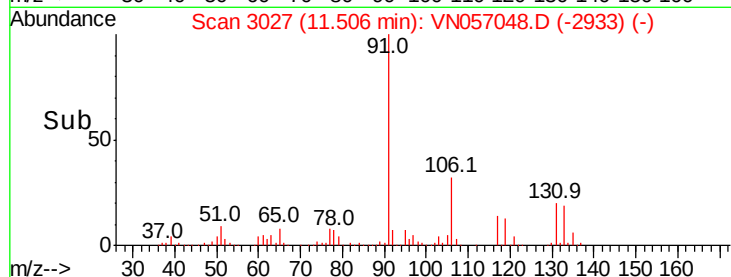
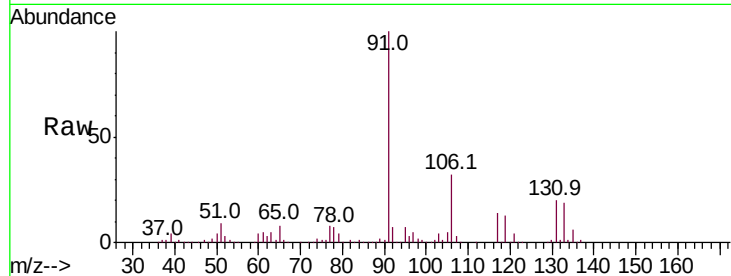
#67
Ethyl Benzene
Concen: 50.503 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1114716
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

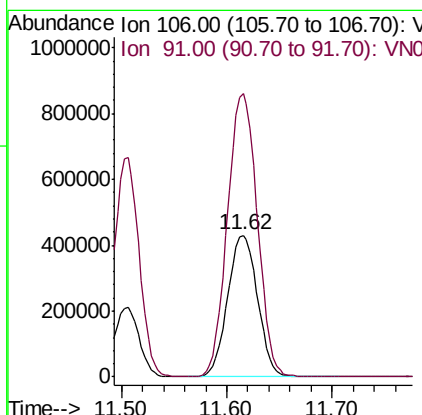
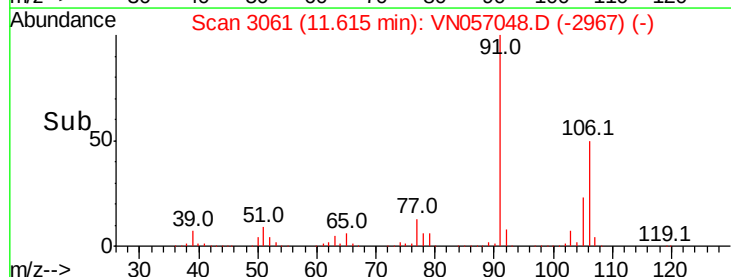
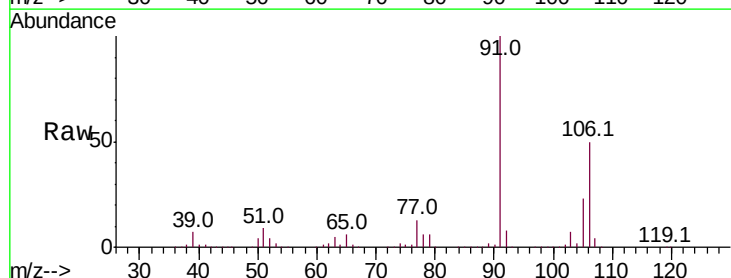
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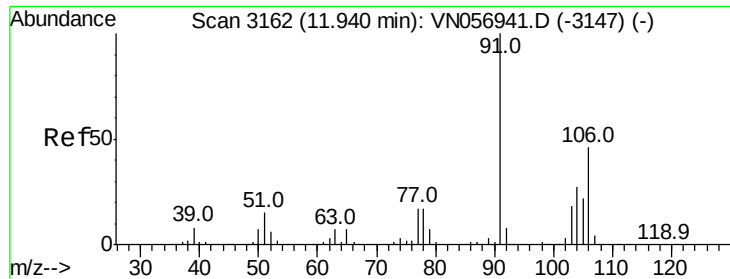
MMDadoda
8/2/2019 11:18:22 AM



#68
m/p-Xylenes
Concen: 103.536 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion: 106 Resp: 843403
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0





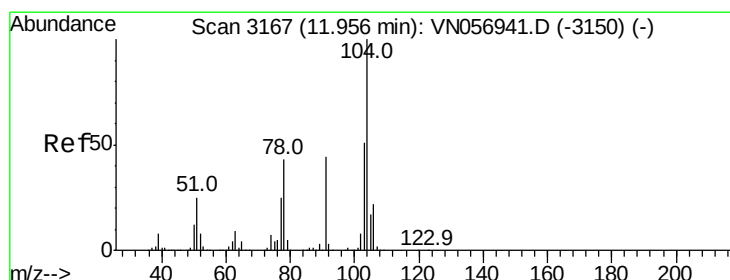
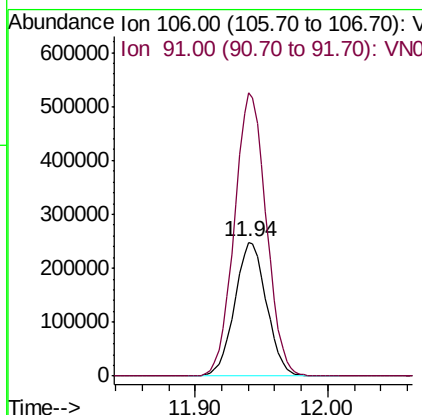
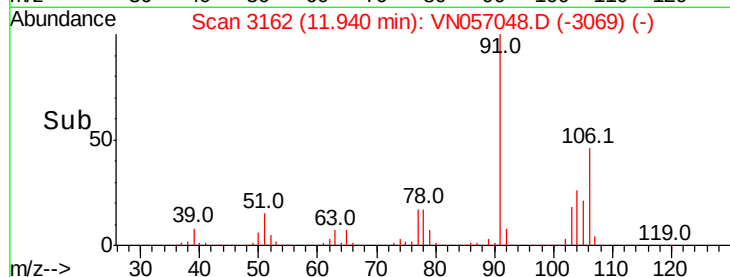
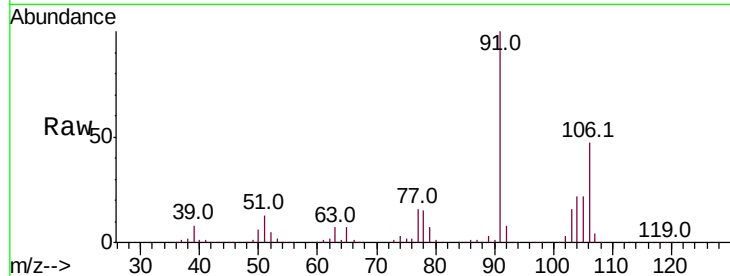
#69
o-Xylene
Concen: 51.783 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 412689
Ion Ratio Lower Upper
106 100
91 211.8 106.2 318.6

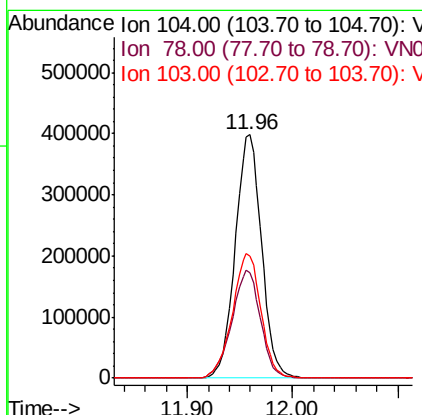
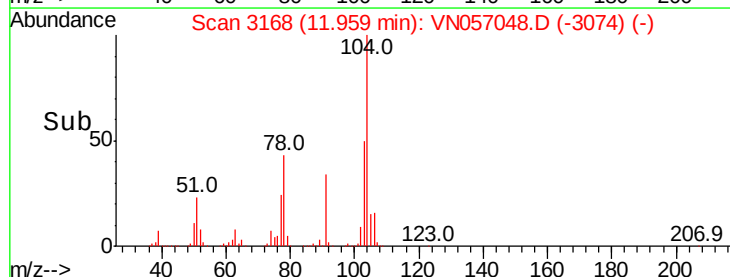
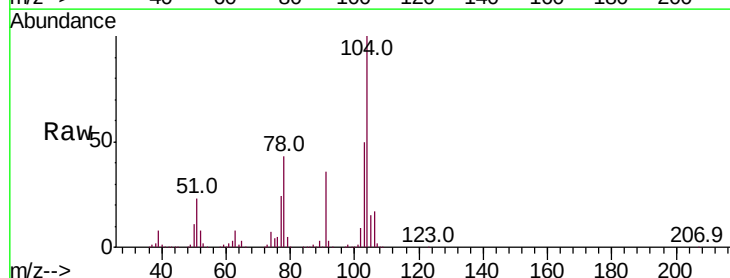
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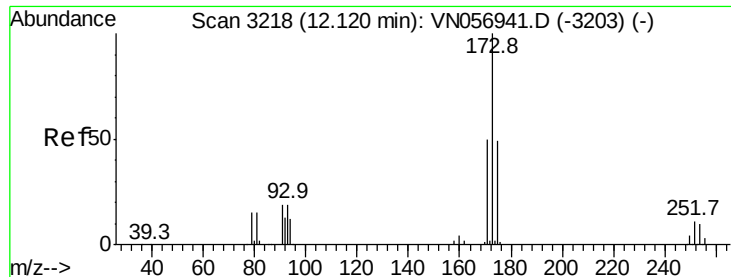
MMDadoda
8/2/2019 11:18:22 AM



#70
Styrene
Concen: 48.871 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion:104 Resp: 687795
Ion Ratio Lower Upper
104 100
78 48.2 38.1 57.1
103 55.3 44.3 66.5





#71

Bromoform

Concen: 54.361 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

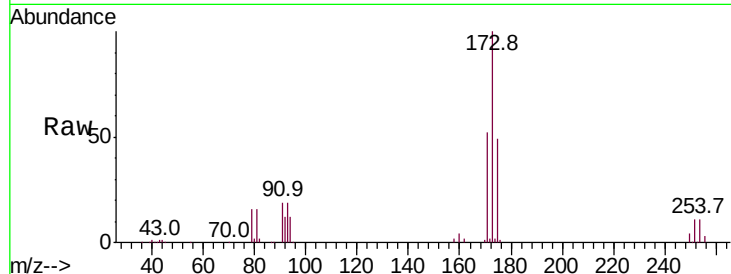
ClientSampleId :

VSTDCCC050EC

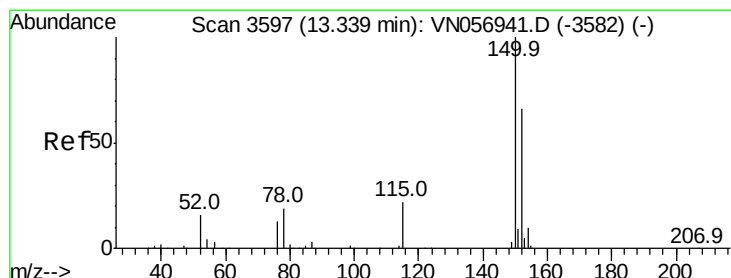
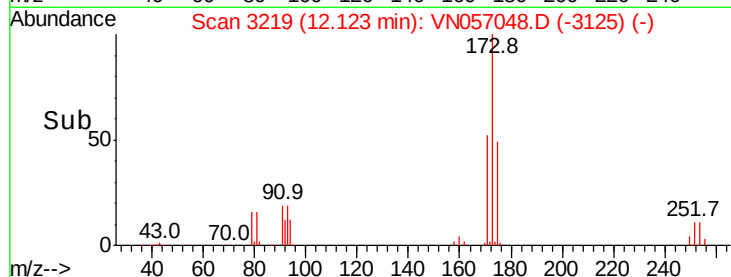
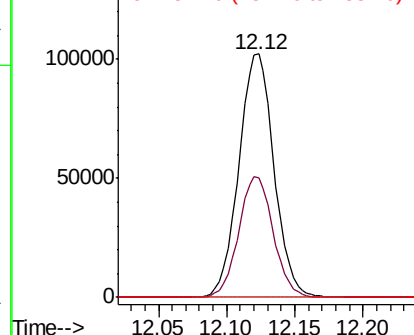
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.1	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

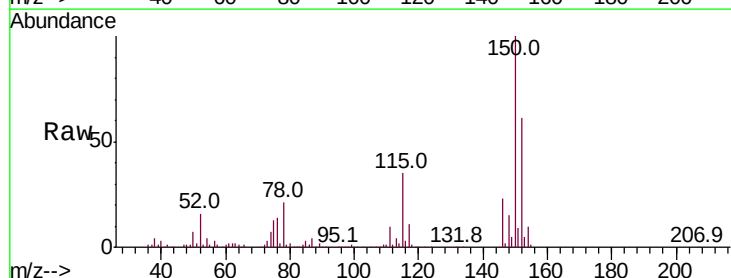
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

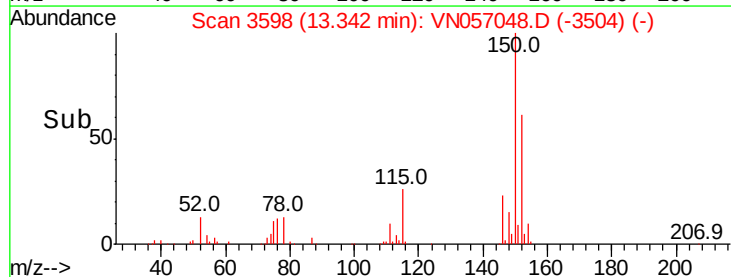
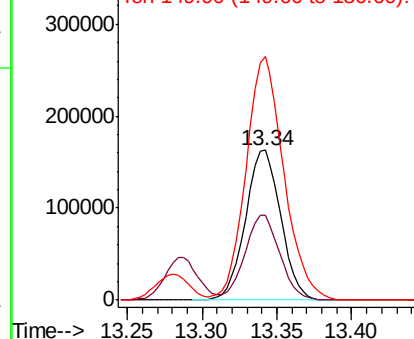
Lab File: VN057048.D

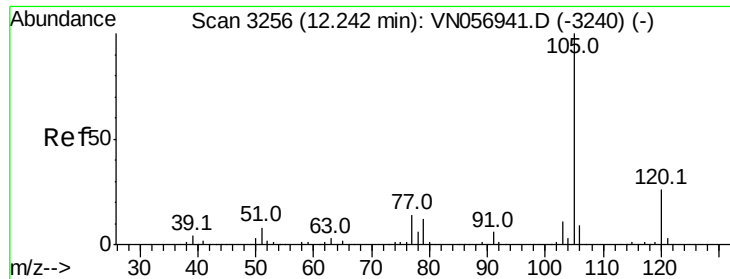
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	174.6	0.0	349.4



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





#73

Isopropylbenzene

Concen: 48.218 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1114216

Ion Ratio Lower Upper

105 100

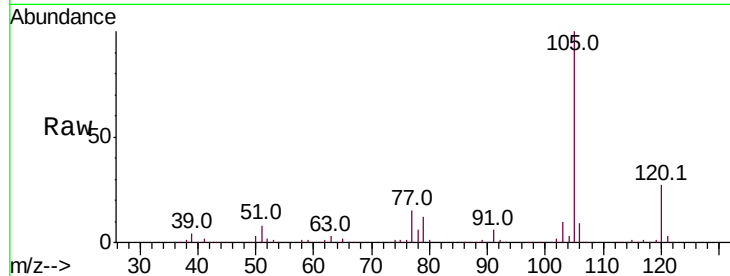
120 26.7 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

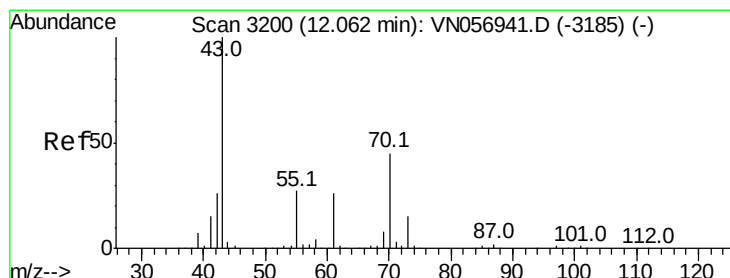
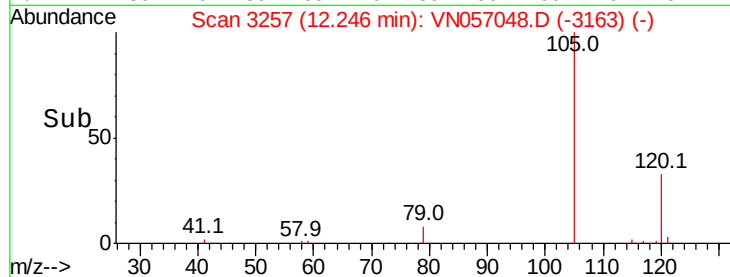
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 51.202 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion: 43 Resp: 343548

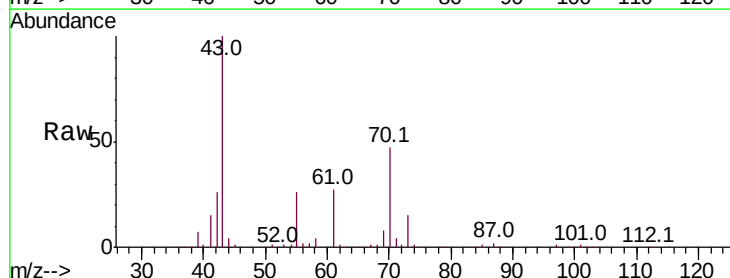
Ion Ratio Lower Upper

43 100

70 45.6 36.5 54.7

55 26.6 21.4 32.0

61 25.7 20.5 30.7



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

300000

200000

100000

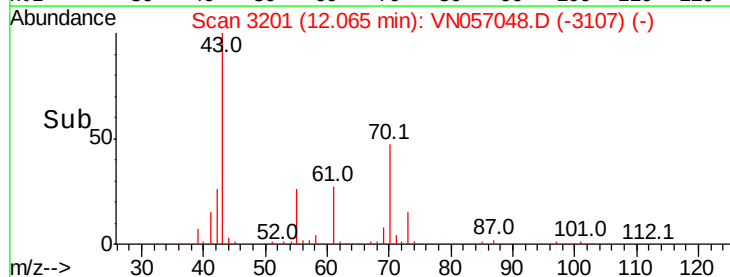
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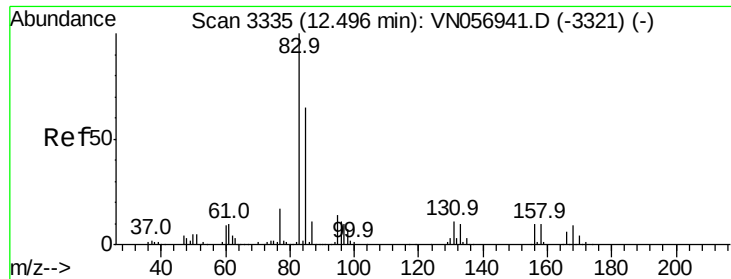
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.314 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

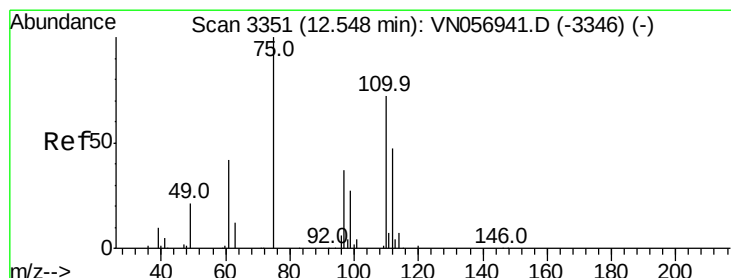
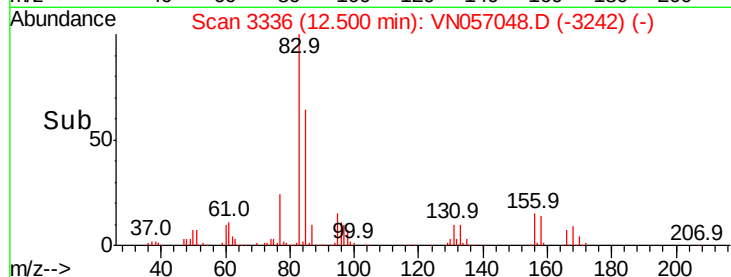
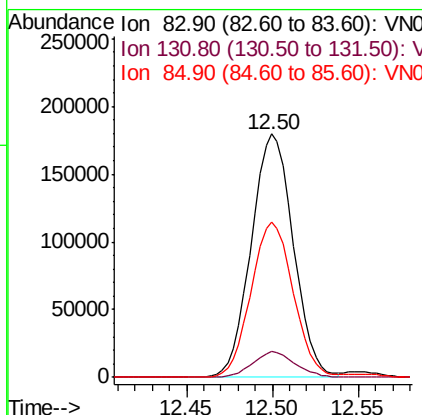
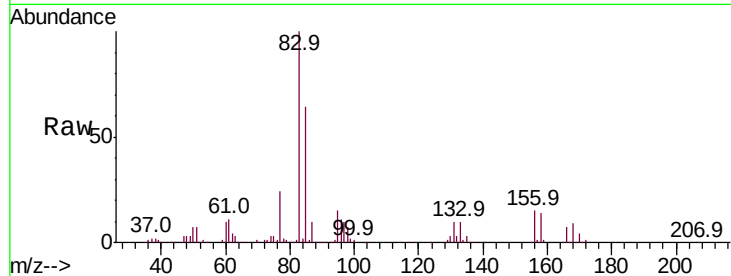
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	304861
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.1	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.819 ug/l m

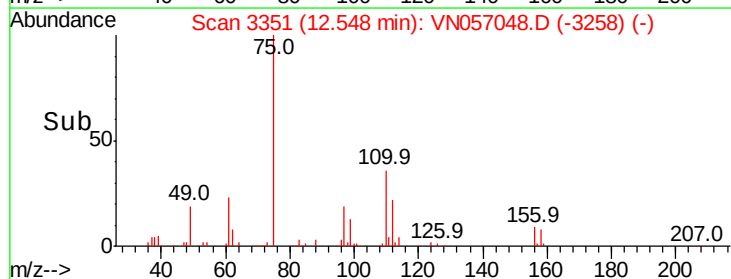
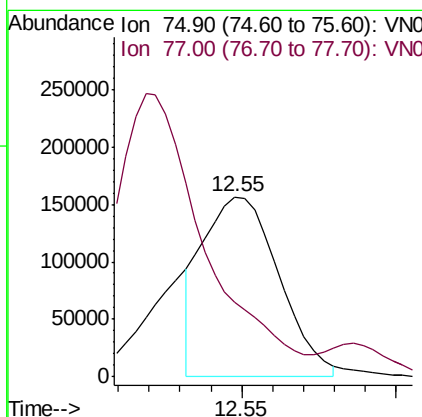
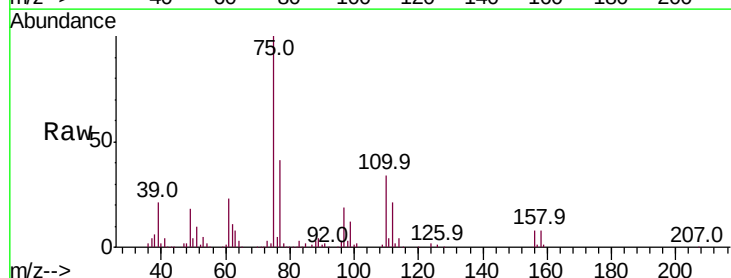
RT: 12.55 min Scan# 3351

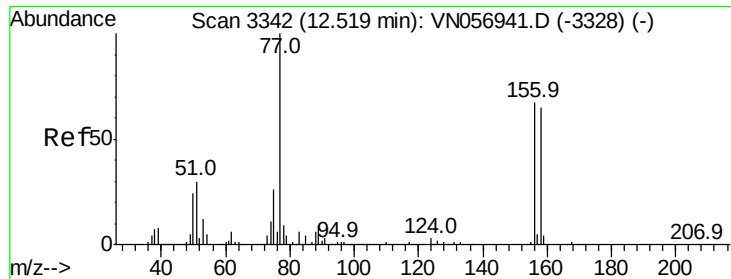
Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	75	Resp:	270517
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.380 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

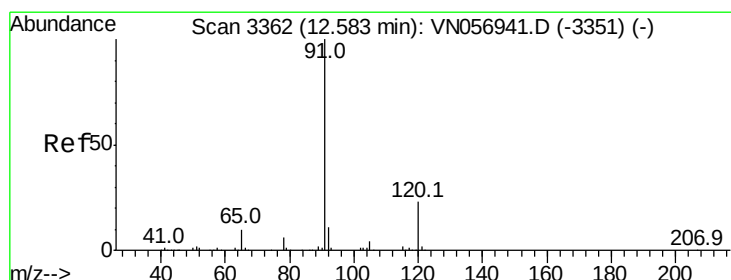
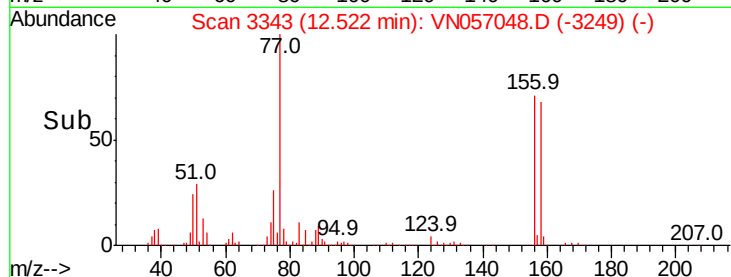
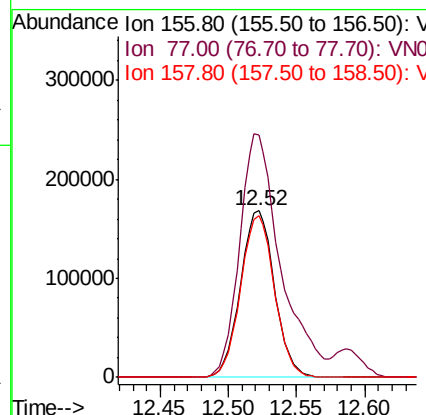
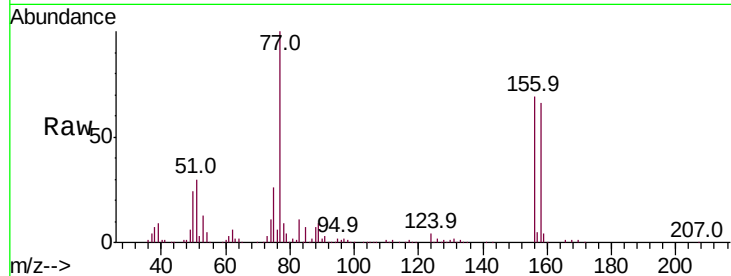
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	291776
Ion Ratio	Lower	Upper	
156	100		
77	176.9	89.5	268.5
158	96.6	48.4	145.3

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#78

n-propylbenzene

Concen: 48.691 ug/l

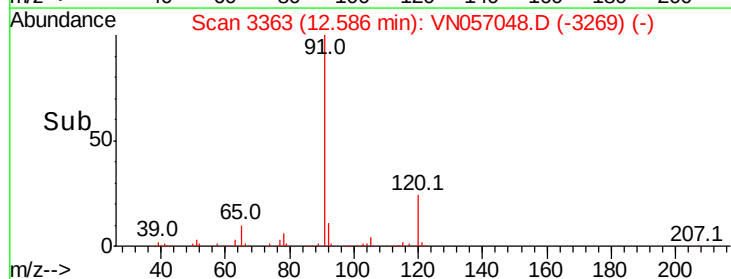
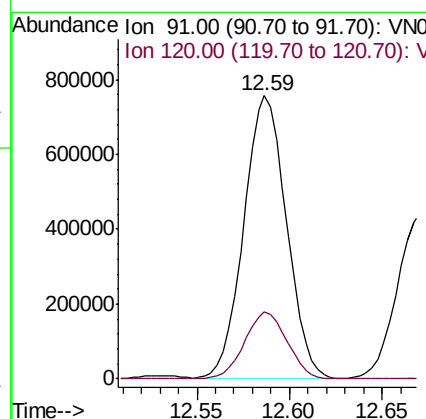
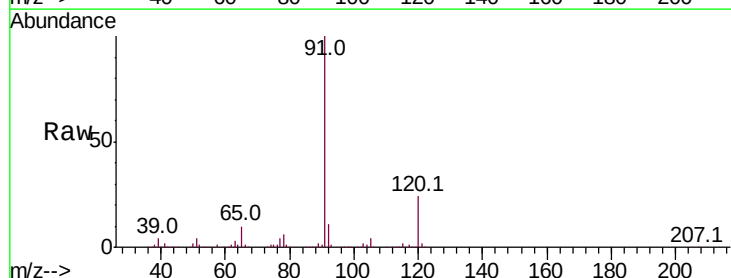
RT: 12.59 min Scan# 3363

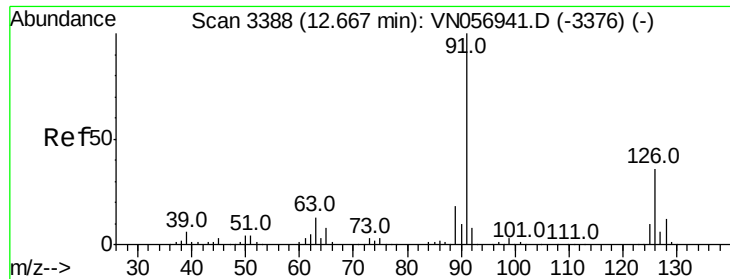
Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	91	Resp:	1201351
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.510 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 721811

Ion Ratio Lower Upper

91 100

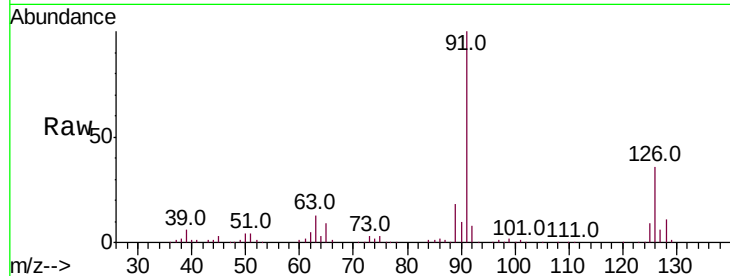
126 36.3 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

800000

600000

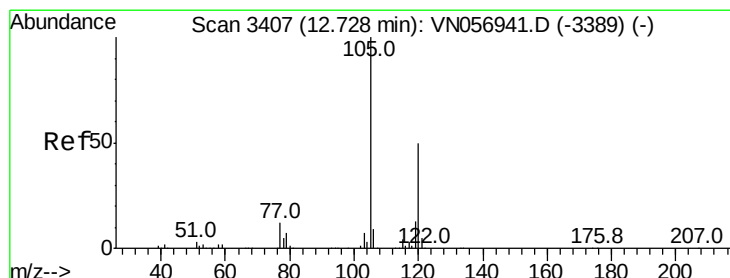
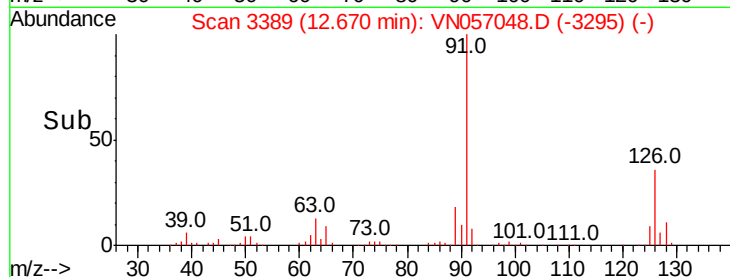
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.247 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057048.D

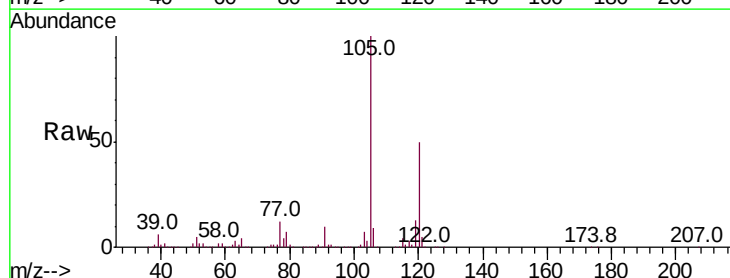
Acq: 1 Aug 2019 19:27

Tgt Ion: 105 Resp: 933995

Ion Ratio Lower Upper

105 100

120 49.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

600000

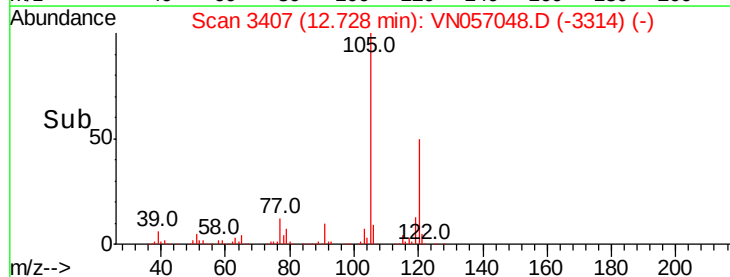
400000

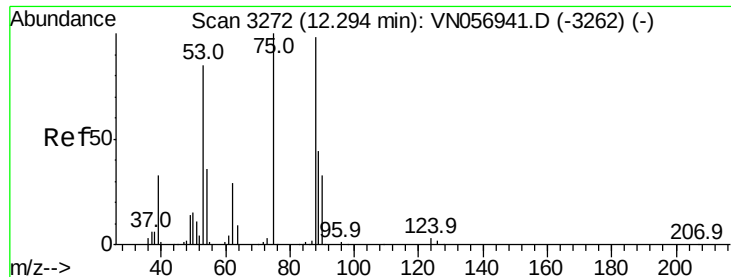
200000

0

12.60 12.70 12.80

Time-->





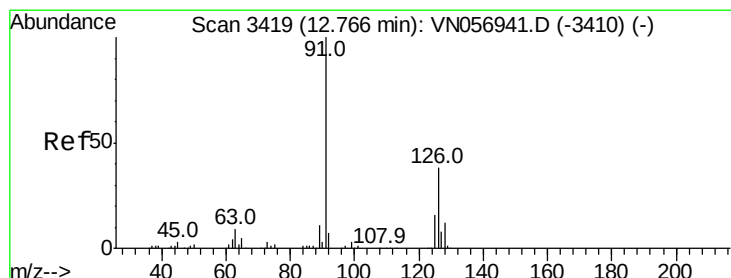
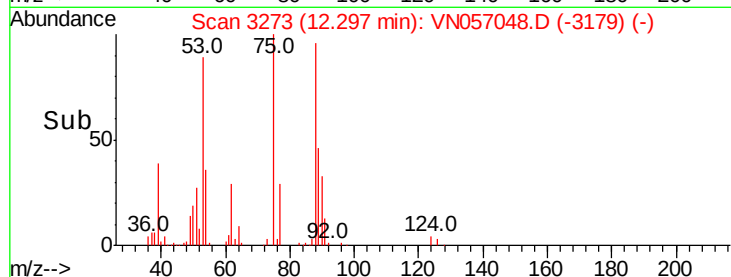
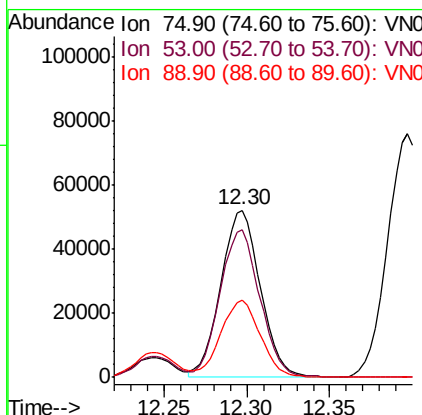
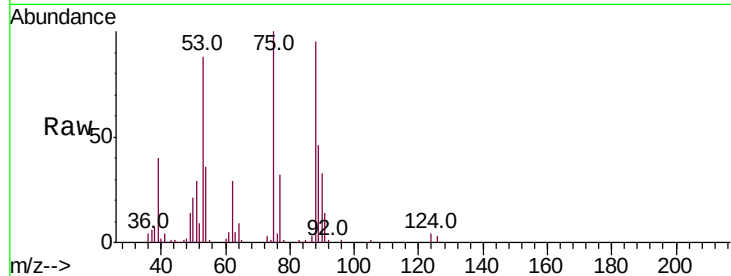
#81
trans-1,4-Dichloro-2-butene
Concen: 51.346 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	69.3	103.9
89	46.0	35.8	53.6

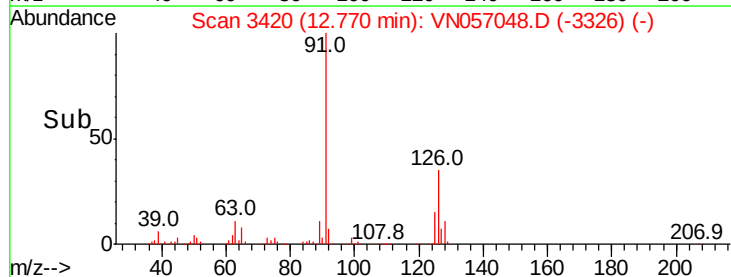
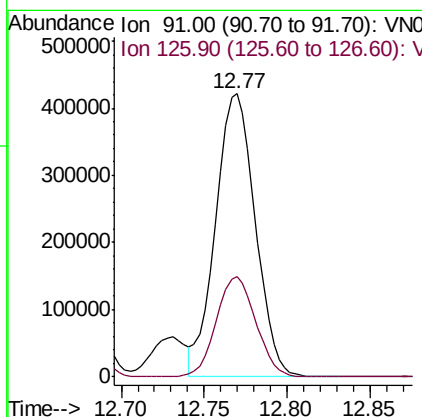
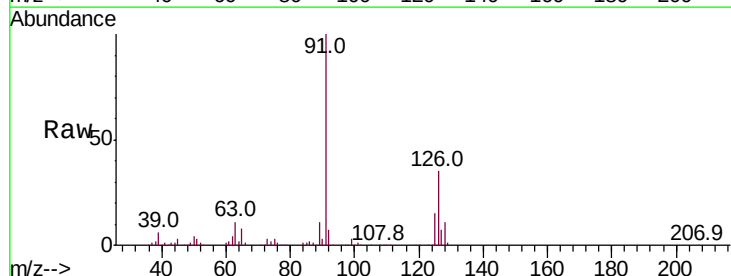
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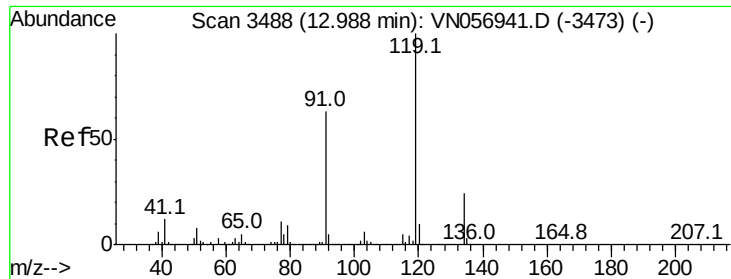
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#82
4-Chlorotoluene
Concen: 49.243 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





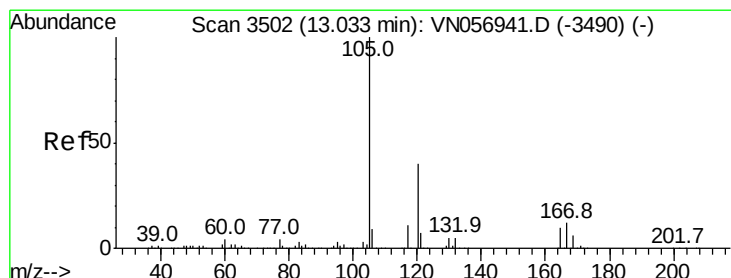
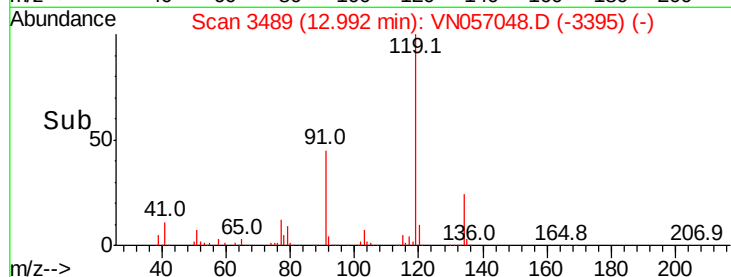
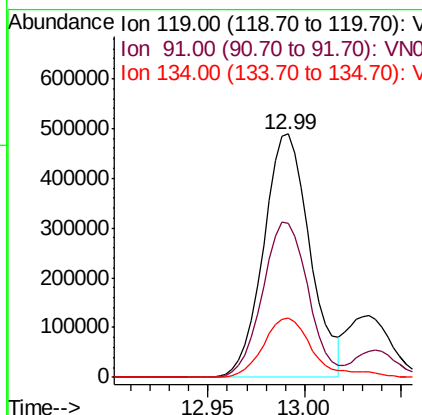
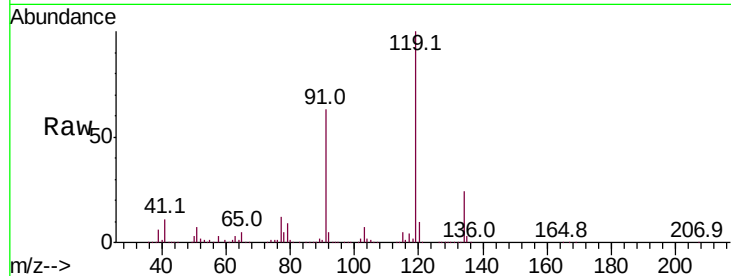
#83
tert-Butylbenzene
Concen: 48.511 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.8
134	26.3	13.3	39.8

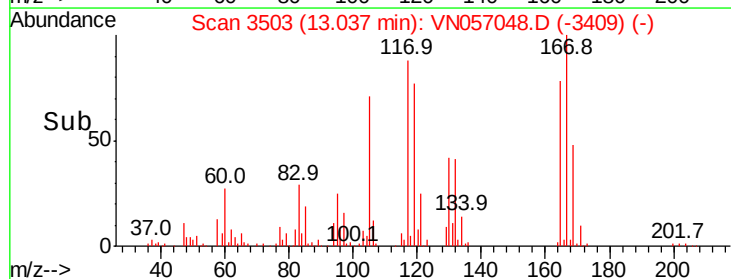
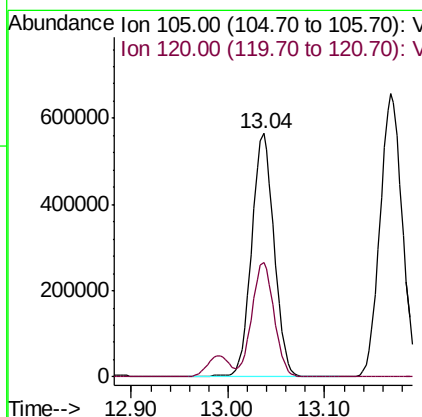
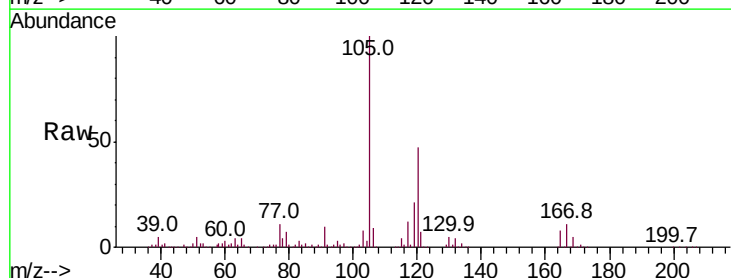
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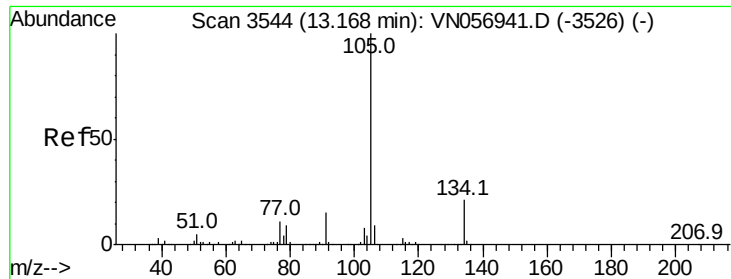
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#84
1,2,4-Trimethylbenzene
Concen: 49.828 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 48.227 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1044392

Ion Ratio Lower Upper

105 100

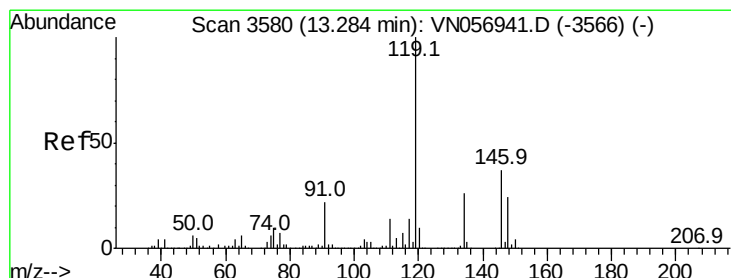
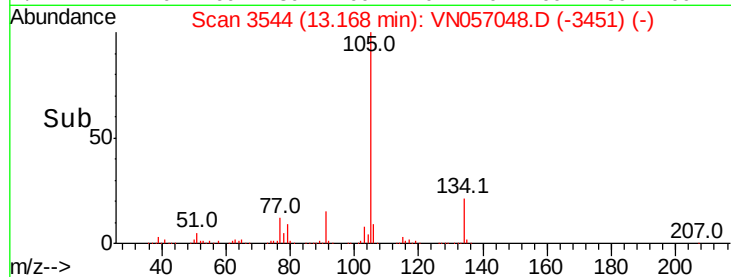
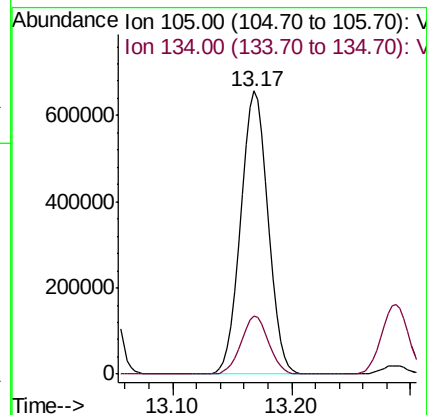
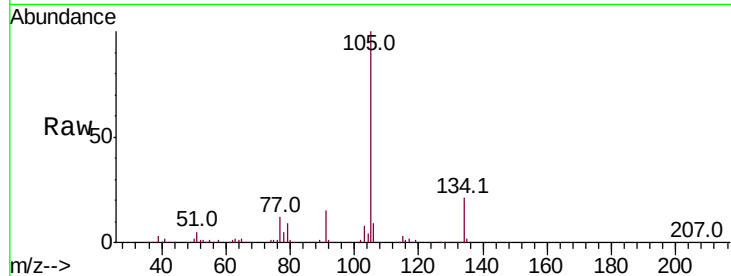
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 49.695 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

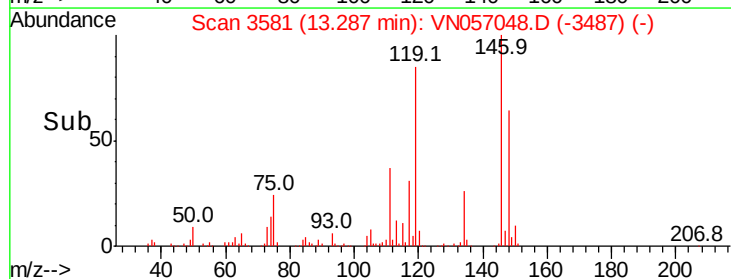
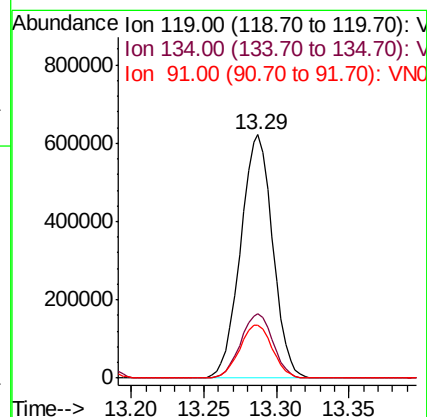
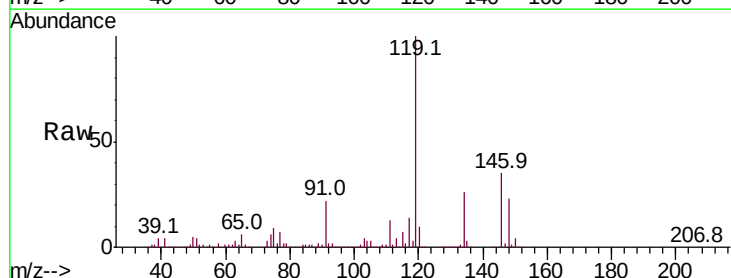
Tgt Ion:119 Resp: 955457

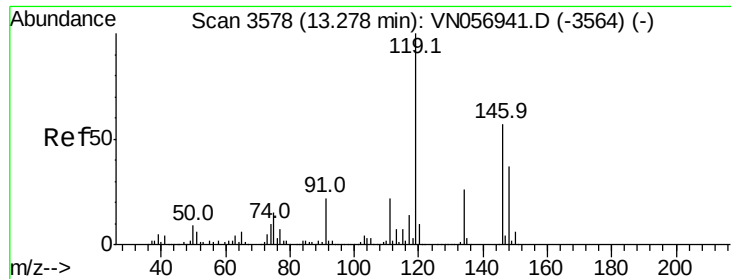
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.1 11.0 33.0





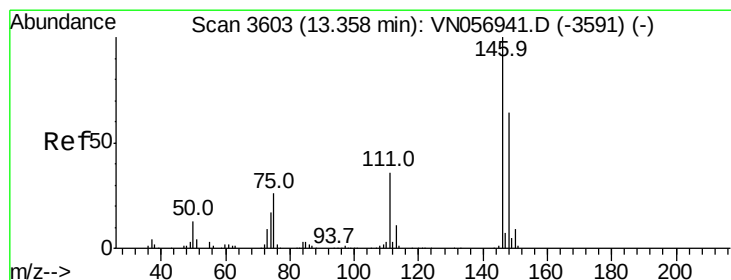
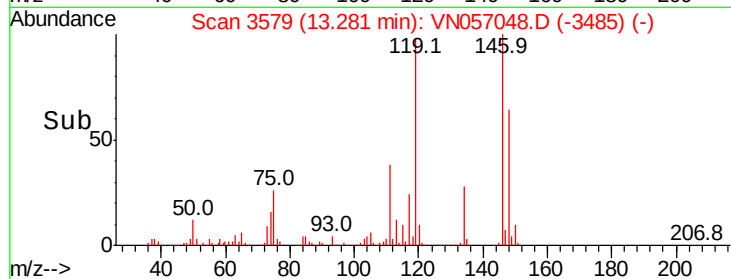
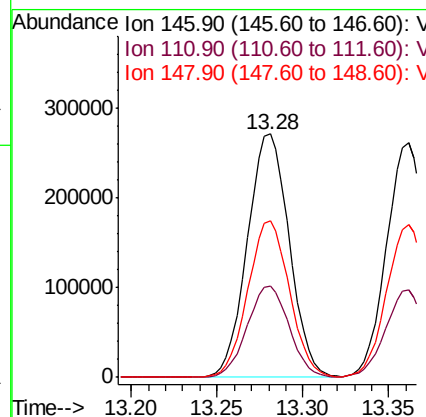
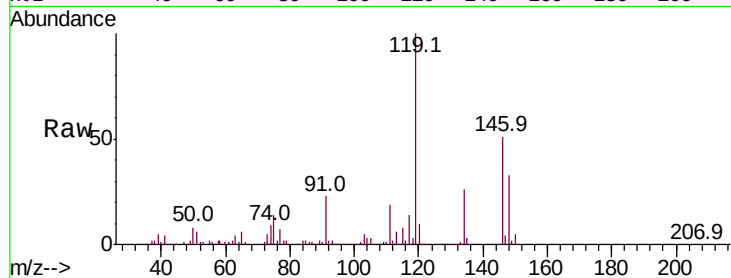
#87
 1,3-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	457575		
111	37.5	18.6	55.8	
148	64.0	32.2	96.6	

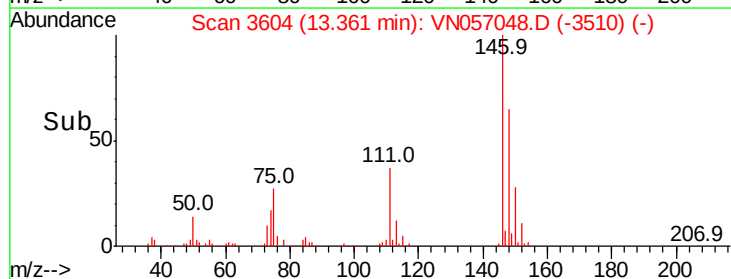
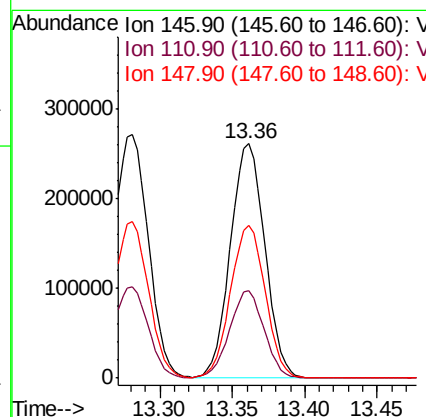
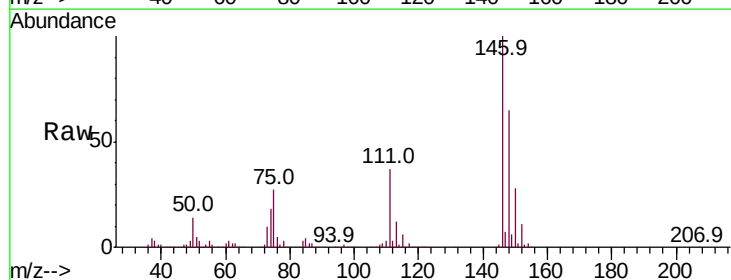
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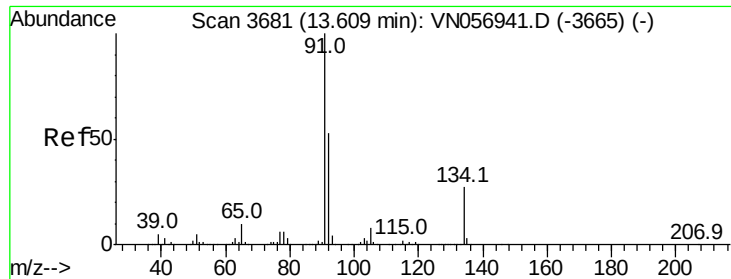
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#88
 1,4-Dichlorobenzene
 Concen: 49.065 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	433318		
111	37.2	18.4	55.2	
148	65.3	32.3	96.9	





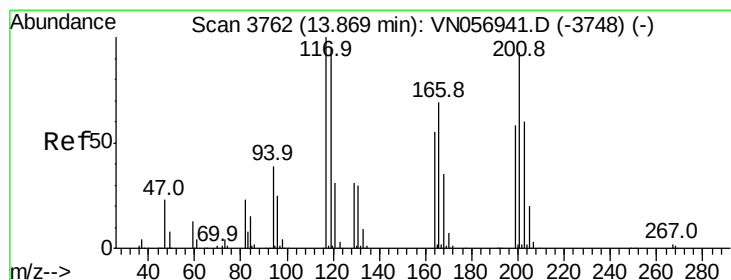
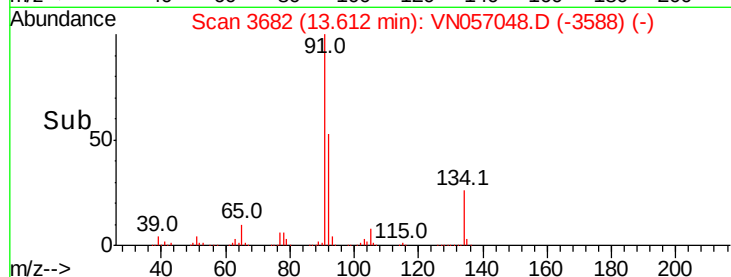
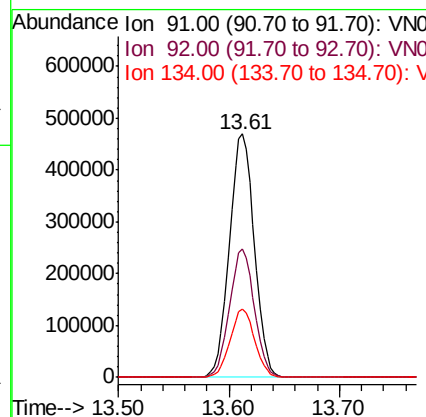
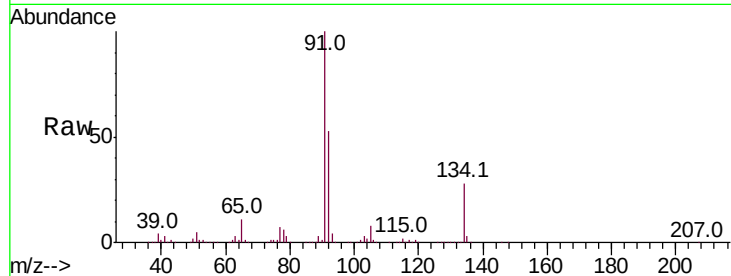
#89
n-Butylbenzene
Concen: 49.624 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	27.8	13.5	40.4

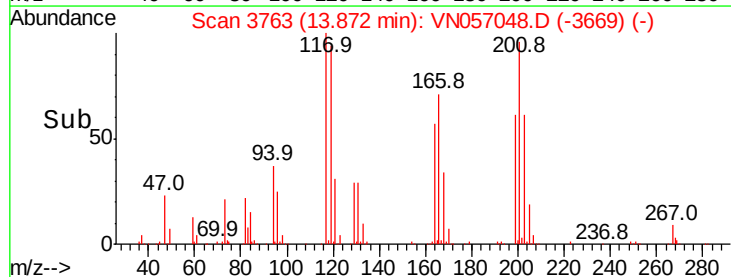
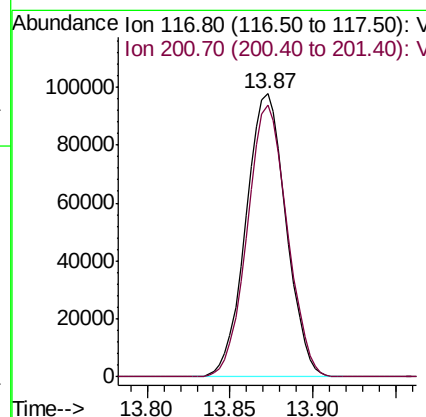
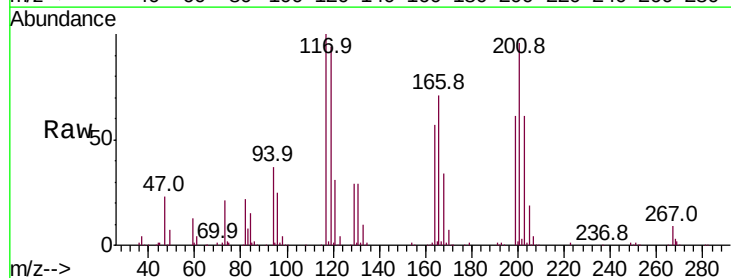
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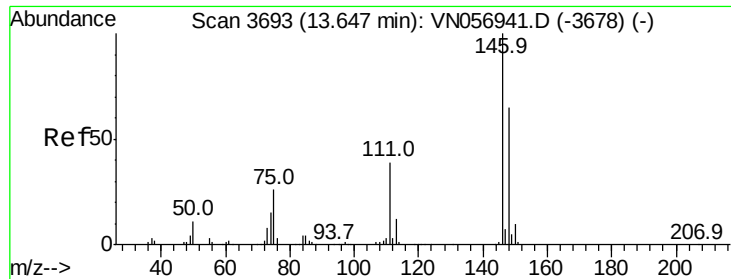
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#90
Hexachloroethane
Concen: 49.723 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	47.0	141.2





#91

1,2-Dichlorobenzene

Concen: 50.637 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Instrument :

MSVOA_N

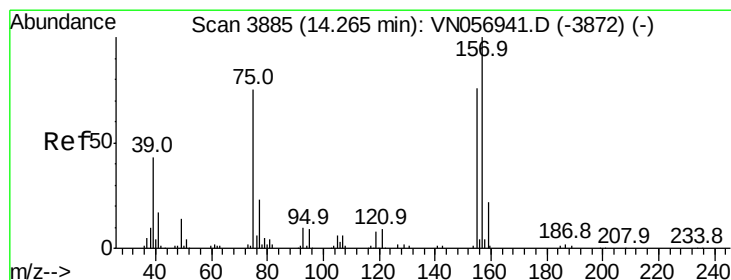
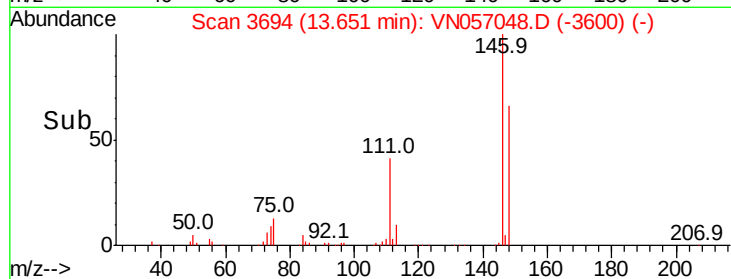
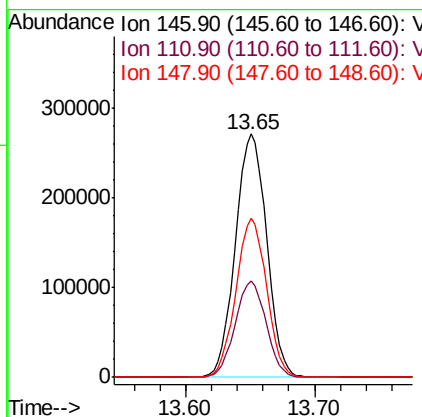
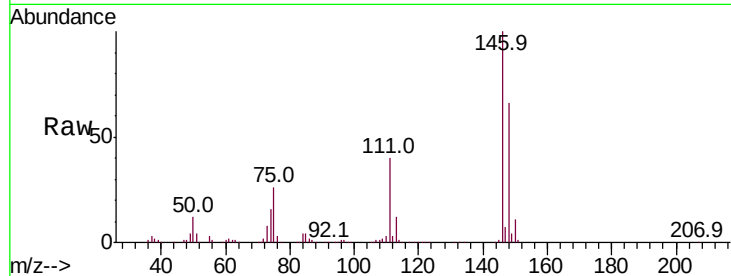
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	457194
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.4	58.4
148	64.1	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.614 ug/l

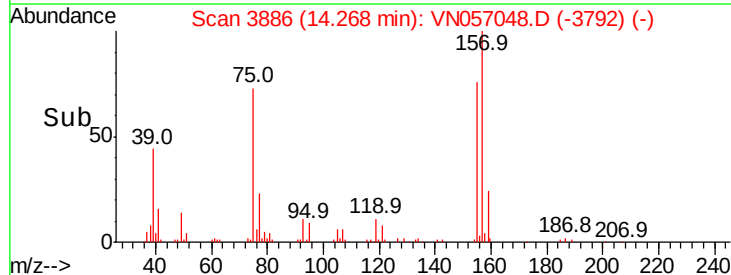
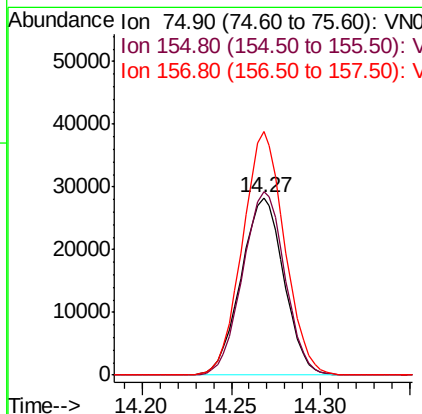
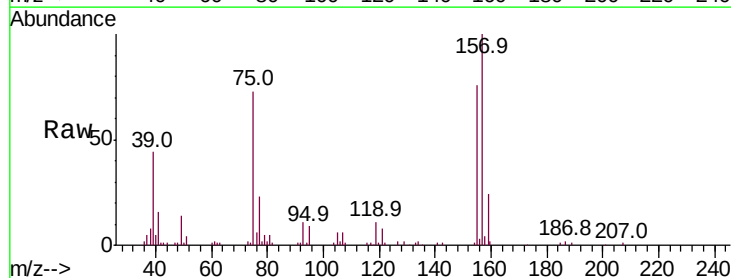
RT: 14.27 min Scan# 3886

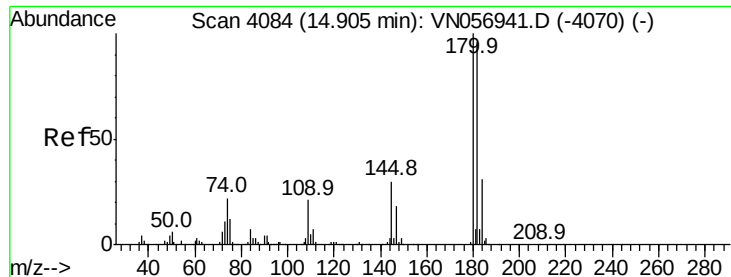
Delta R.T. 0.00 min

Lab File: VN057048.D

Acq: 1 Aug 2019 19:27

Tgt Ion:	75	Resp:	47437
Ion Ratio	Lower	Upper	
75	100		
155	102.0	50.2	150.6
157	134.9	65.1	195.4





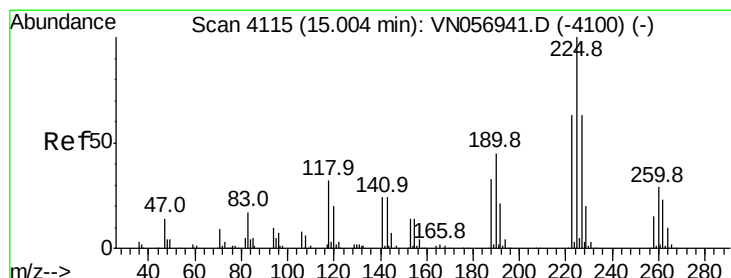
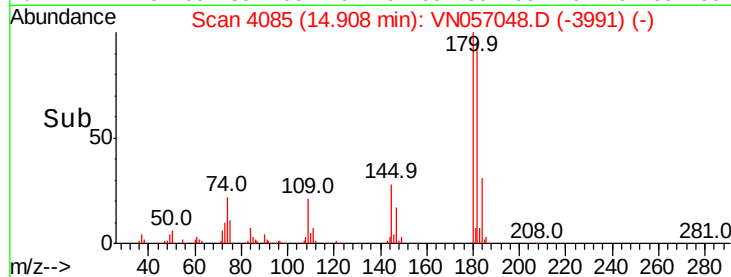
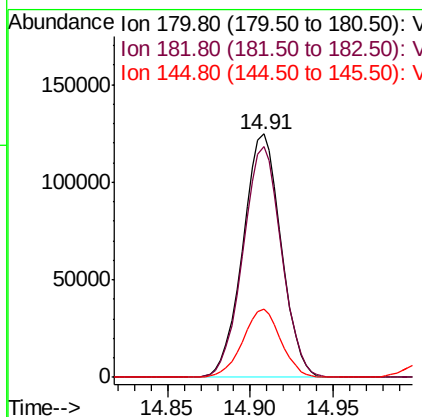
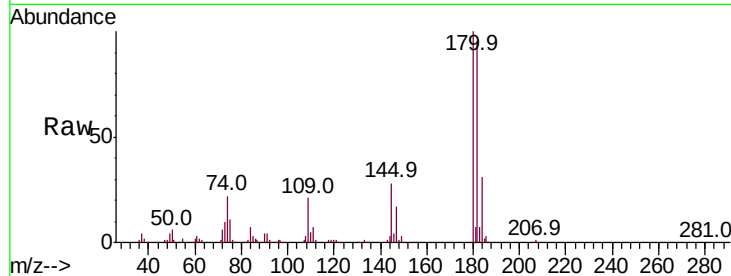
#93
 1,2,4-Trichlorobenzene
 Concen: 43.255 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.6	142.8	
145	27.8	14.2	42.8	

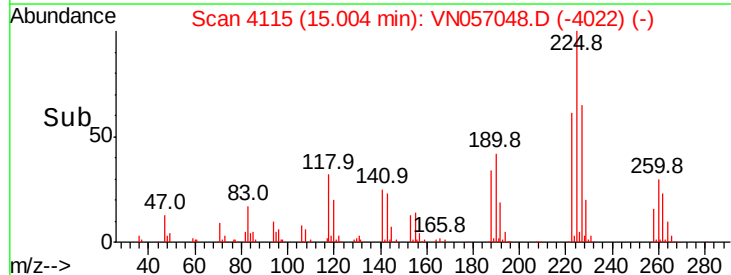
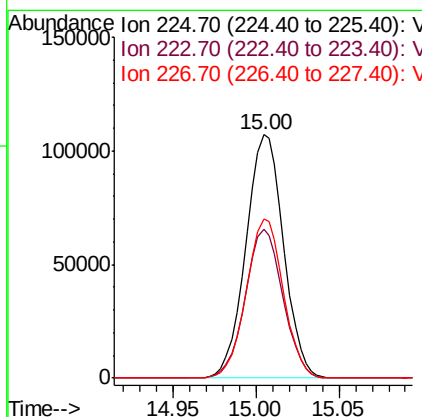
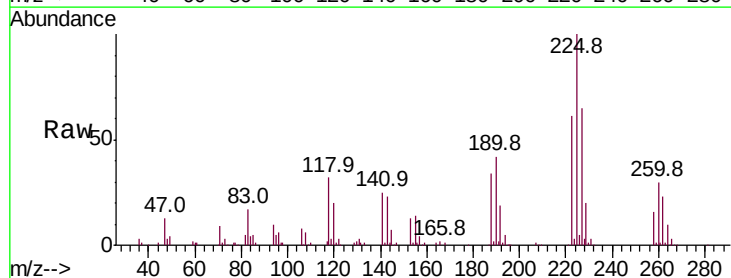
Manual Integrations
 APPROVED

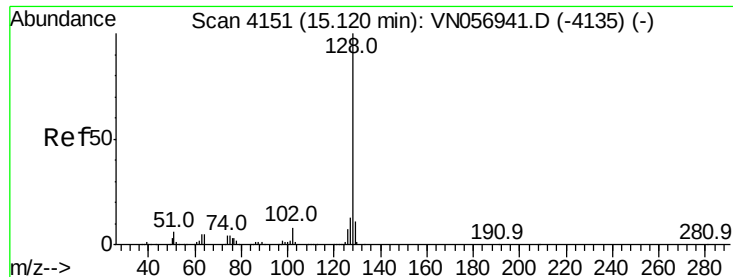
MMDadoda
 8/2/2019 11:18:22 AM



#94
 Hexachlorobutadiene
 Concen: 53.808 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057048.D
 Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	30.8	92.4	
227	64.3	31.1	93.5	





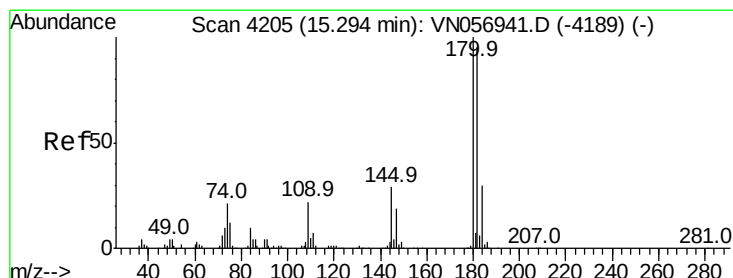
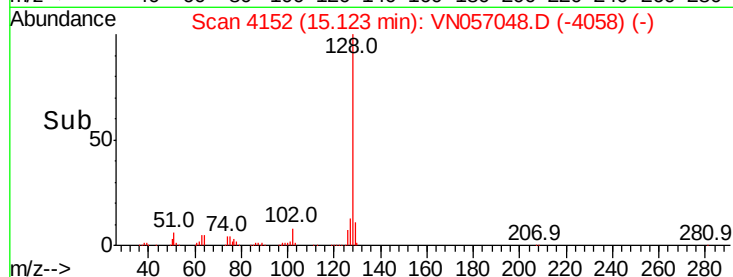
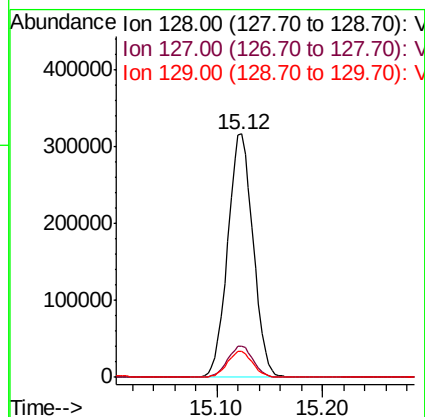
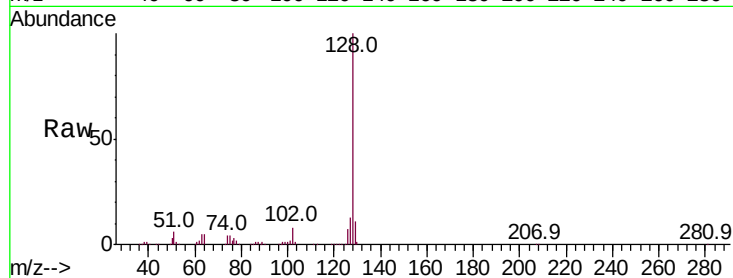
#95
Naphthalene
Concen: 46.579 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/2/2019 11:18:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.732 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057048.D
Acq: 1 Aug 2019 19:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	29.3	15.0	45.0

