

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057556.D
 Acq On : 29 Aug 2019 17:55
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:38:45 AM

Quant Time: Aug 30 09:06:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	552211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	870761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	805212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	396421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	406336	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.58	113	360257	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.08	98	1386366	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	470399	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	339744	54.754	ug/l	97
3) Chloromethane	2.06	50	281990	45.517	ug/l	98
4) Vinyl Chloride	2.18	62	408551	44.701	ug/l	100
5) Bromomethane	2.54	94	378262	48.062	ug/l	97
6) Chloroethane	2.69	64	257562	42.032	ug/l	99
7) Trichlorofluoromethane	3.01	101	813424	42.848	ug/l	99
8) Diethyl Ether	3.40	74	261323	41.430	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.74	101	481856	43.340	ug/l #	83
10) Methyl Iodide	3.93	142	762949	41.922	ug/l	92
11) Tert butyl alcohol	4.80	59	200474	224.918	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	464680	44.412	ug/l #	75
13) Acrolein	3.59	56	166642	218.346	ug/l	97
14) Allyl chloride	4.30	41	357744	46.712	ug/l #	84
15) Acrylonitrile	4.97	53	530650	240.451	ug/l	98
16) Acetone	3.81	43	725208	198.498	ug/l	93
17) Carbon Disulfide	4.03	76	696023	48.662	ug/l	100
18) Methyl Acetate	4.31	43	248665	49.478	ug/l #	81
19) Methyl tert-butyl Ether	5.03	73	956597	47.996	ug/l #	88
20) Methylene Chloride	4.53	84	316185	46.717	ug/l #	75
21) trans-1,2-Dichloroethene	5.01	96	320814	49.016	ug/l #	78
22) Diisopropyl ether	5.94	45	788873	45.949	ug/l #	91
23) Vinyl Acetate	5.88	43	3209993	239.273	ug/l #	86
24) 1,1-Dichloroethane	5.83	63	532439	47.099	ug/l	97
25) 2-Butanone	6.83	43	654773	227.053	ug/l #	78
26) 2,2-Dichloropropane	6.81	77	525890	45.562	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	382477	48.253	ug/l	78
28) Bromochloromethane	7.18	49	228838	48.156	ug/l #	37
29) Tetrahydrofuran	7.20	42	417999	231.778	ug/l #	69
30) Chloroform	7.36	83	639354	45.574	ug/l	97
31) Cyclohexane	7.64	56	452431	43.094	ug/l #	74
32) 1,1,1-Trichloroethane	7.55	97	605334	48.540	ug/l #	92
36) 1,1-Dichloropropene	7.78	75	449031	47.670	ug/l	93
37) Ethyl Acetate	6.92	43	279732	44.822	ug/l #	91
38) Carbon Tetrachloride	7.76	117	540874	49.103	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	579514	48.354	ug/l #	83
40) Benzene	8.03	78	1370232	47.501	ug/l	99
41) Methacrylonitrile	7.16	41	129207	45.369	ug/l #	84
42) 1,2-Dichloroethane	8.11	62	462704	45.065	ug/l	95
43) Isopropyl Acetate	8.16	43	522079	44.818	ug/l #	87
44) Trichloroethene	8.82	130	402965	50.587	ug/l	82
45) 1,2-Dichloropropane	9.11	63	311528	46.215	ug/l	98
46) Dibromomethane	9.20	93	249592	47.219	ug/l #	85
47) Bromodichloromethane	9.40	83	518700	47.598	ug/l	99
48) Methyl methacrylate	9.19	41	241911	43.970	ug/l #	75
49) 1,4-Dioxane	9.20	88	99481	990.821	ug/l #	74
51) 4-Methyl-2-Pentanone	9.98	43	1477330	237.287	ug/l #	88
52) Toluene	10.15	92	915885	49.007	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	522561	49.620	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	555010	48.657	ug/l #	84
55) 1,1,2-Trichloroethane	10.56	97	347380	48.330	ug/l	94
56) Ethyl methacrylate	10.43	69	469016	49.023	ug/l #	77
57) 1,3-Dichloropropane	10.70	76	550482	47.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	607789	270.778	ug/l #	80
59) 2-Hexanone	10.75	43	1022513	237.880	ug/l	85
60) Dibromochloromethane	10.90	129	426493	52.019	ug/l	98
61) 1,2-Dibromoethane	11.00	107	375929	49.980	ug/l	96
64) Tetrachloroethene	10.63	164	383220	46.338	ug/l	93
65) Chlorobenzene	11.43	112	1012206	50.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	396064	49.689	ug/l	97
67) Ethyl Benzene	11.51	91	1798435	50.671	ug/l	96
68) m/p-Xylenes	11.62	106	1410619	104.352	ug/l	86
69) o-Xylene	11.95	106	678486	49.981	ug/l	91
70) Styrene	11.96	104	1125154	54.912	ug/l	93
71) Bromoform	12.13	173	280320	52.684	ug/l #	100
73) Isopropylbenzene	12.25	105	1828745	49.718	ug/l	97
74) N-amyl acetate	12.07	43	453360	53.762	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.51	83	420765	51.704	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361409m	49.532	ug/l	
77) Bromobenzene	12.53	156	444428	45.445	ug/l	68
78) n-propylbenzene	12.59	91	1919930	45.814	ug/l	93
79) 2-Chlorotoluene	12.67	91	1142629	43.773	ug/l	90
80) 1,3,5-Trimethylbenzene	12.73	105	1544726	46.534	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	127067	48.197	ug/l	87
82) 4-Chlorotoluene	12.77	91	1151065	47.527	ug/l	90
83) tert-Butylbenzene	12.99	119	1375533	54.816	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	1522968	50.161	ug/l	97
85) sec-Butylbenzene	13.17	105	1736934	47.603	ug/l	96
86) p-Isopropyltoluene	13.29	119	1584138	50.511	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	734795	51.737	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	721967	53.009	ug/l	95
89) n-Butylbenzene	13.62	91	1243460	52.339	ug/l	97
90) Hexachloroethane	13.88	117	287084	43.500	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	710892	53.630	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69074	46.452	ug/l	64

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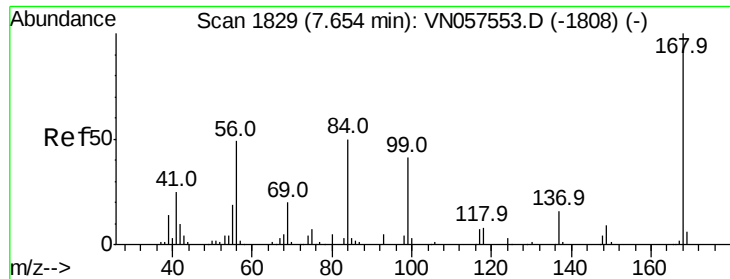
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287714	52.159	ug/l	98
94) Hexachlorobutadiene	15.01	225	218968	50.123	ug/l	98
95) Naphthalene	15.13	128	846187	64.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	289153	64.544	ug/l	98

(#) = 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: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion:168 Resp: 552211

Ion Ratio Lower Upper

168 100

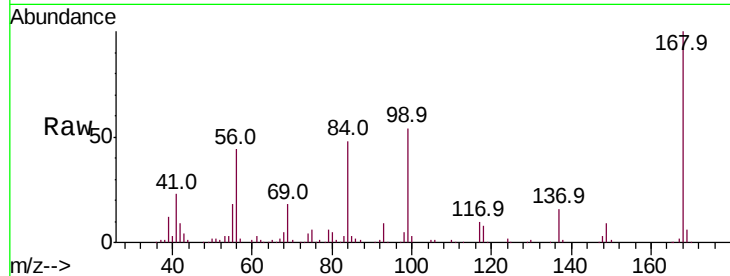
99 54.3 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057553.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN057553.D (-1808) (-)

7.65

250000

200000

150000

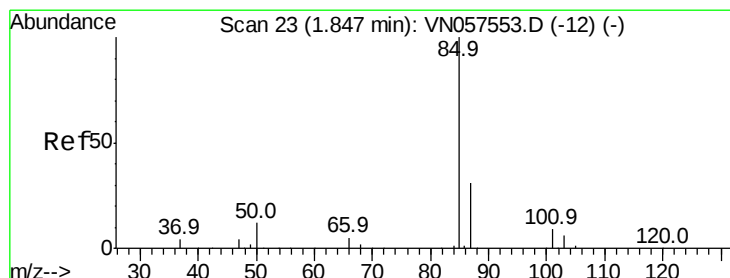
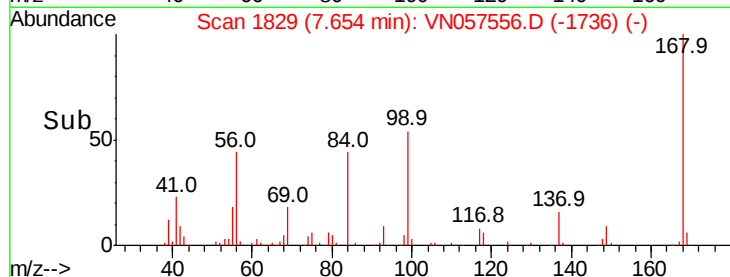
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 54.754 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057556.D

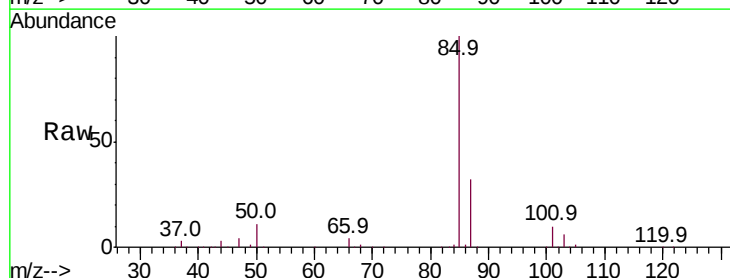
Acq: 29 Aug 2019 17:55

Tgt Ion: 85 Resp: 339744

Ion Ratio Lower Upper

85 100

87 32.1 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057553.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN057553.D (-12) (-)

1.85

250000

200000

150000

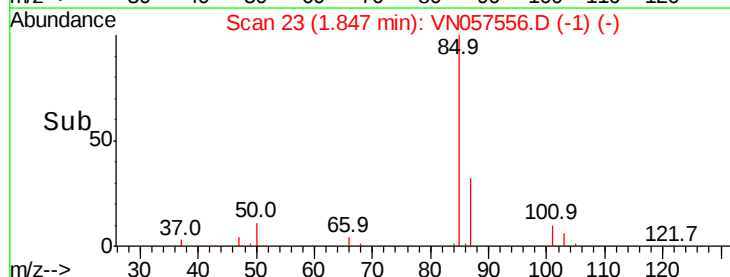
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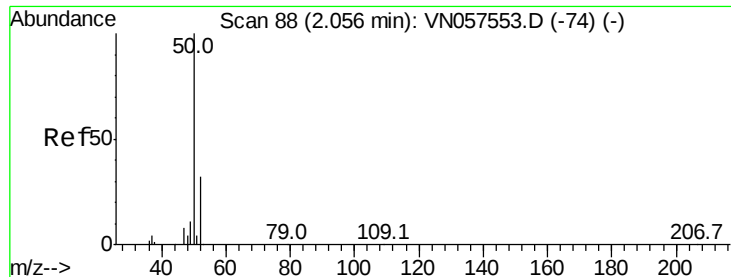
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.517 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 50 Resp: 281990

Ion Ratio Lower Upper

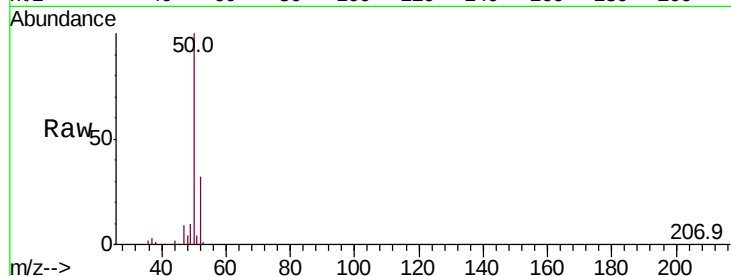
50 100

52 32.3 25.1 37.7

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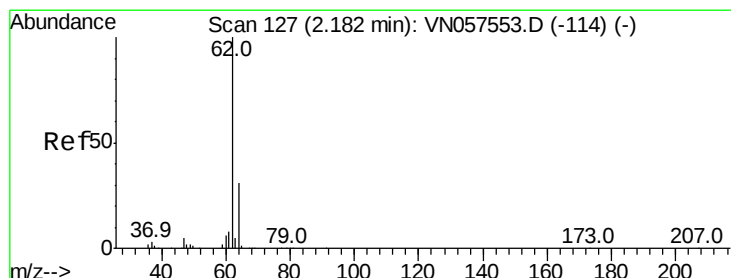
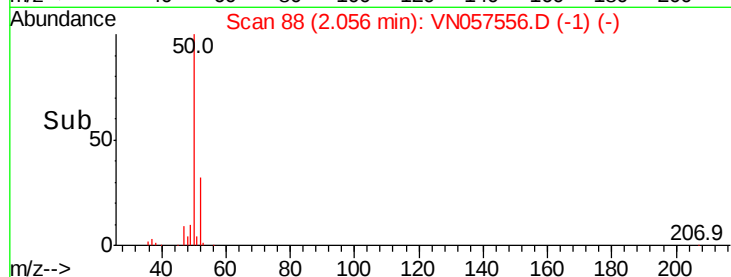
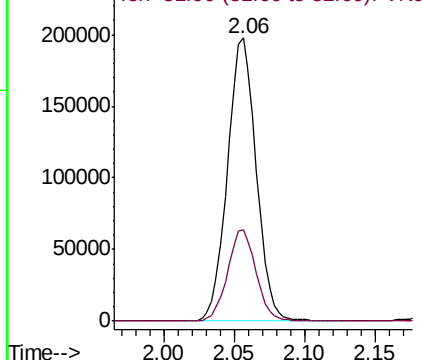
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.701 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057556.D

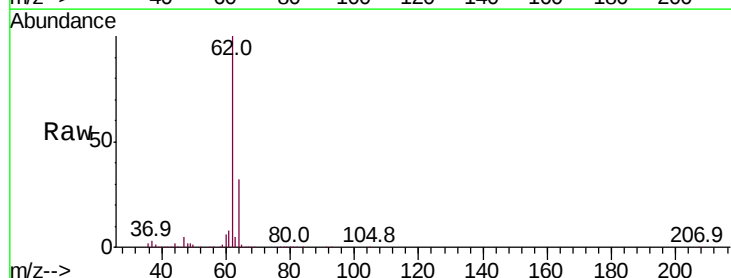
Acq: 29 Aug 2019 17:55

Tgt Ion: 62 Resp: 408551

Ion Ratio Lower Upper

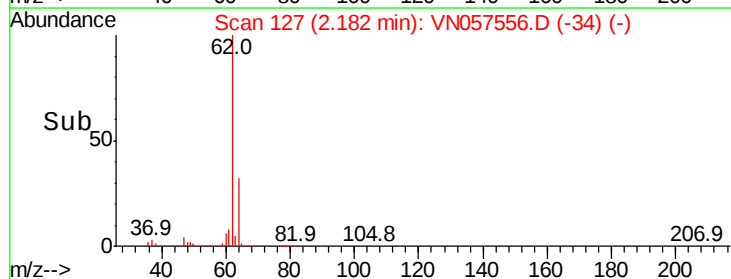
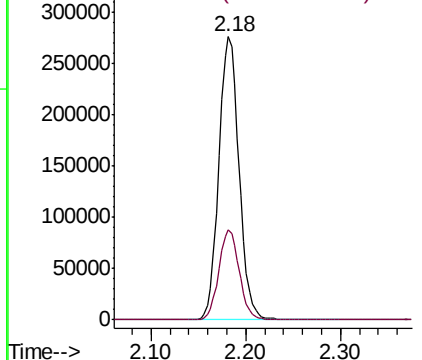
62 100

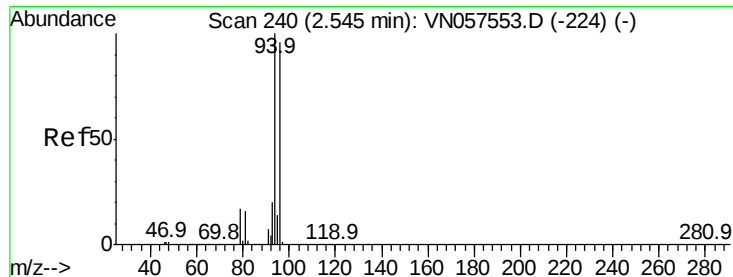
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 48.062 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 94 Resp: 378262

Ion Ratio Lower Upper

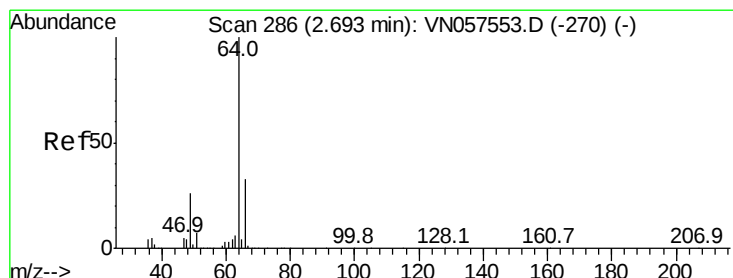
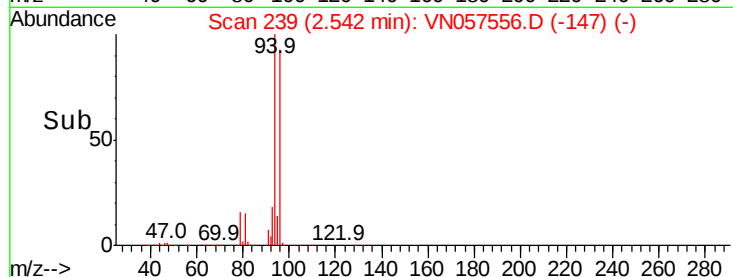
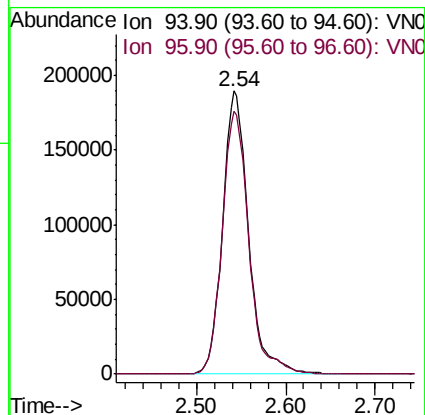
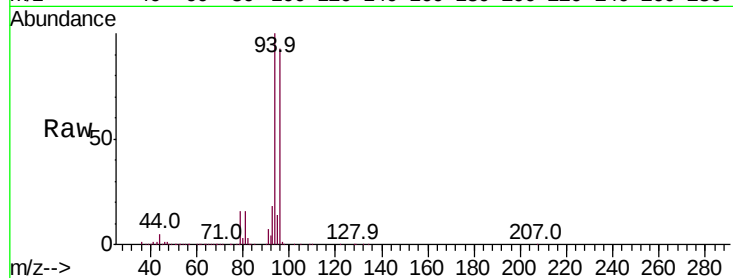
94 100

96 92.8 76.2 114.4

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#6

Chloroethane

Concen: 42.032 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057556.D

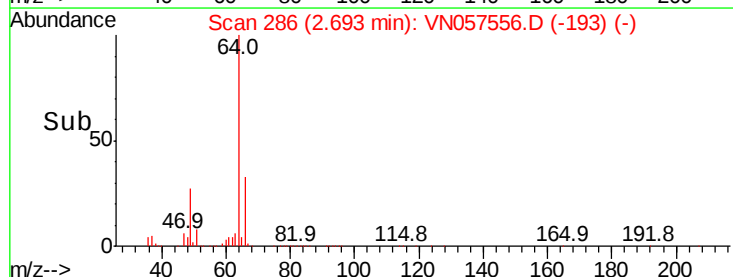
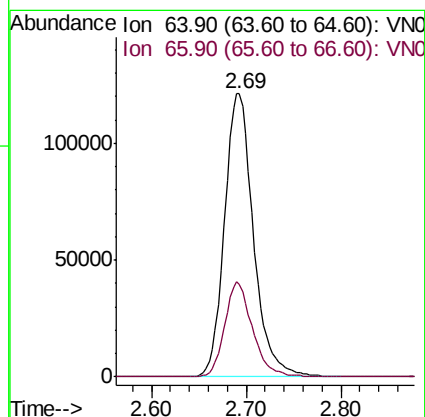
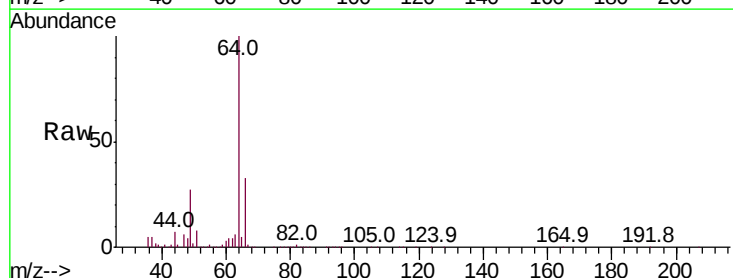
Acq: 29 Aug 2019 17:55

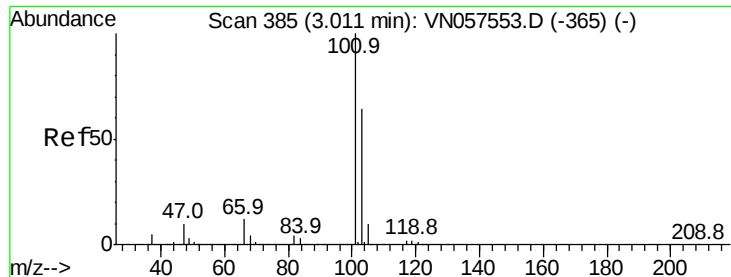
Tgt Ion: 64 Resp: 257562

Ion Ratio Lower Upper

64 100

66 32.8 26.8 40.2





#7

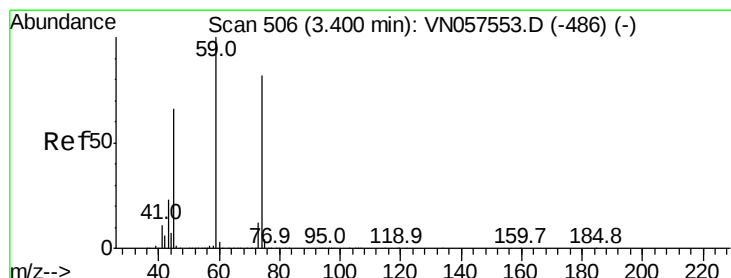
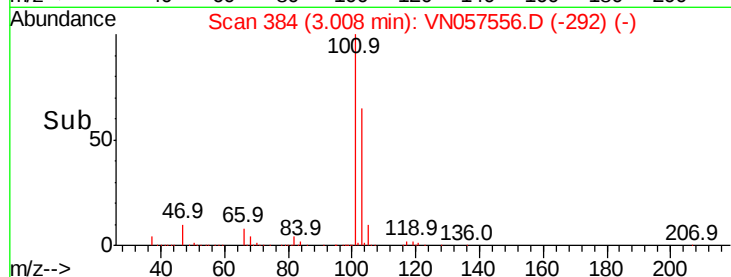
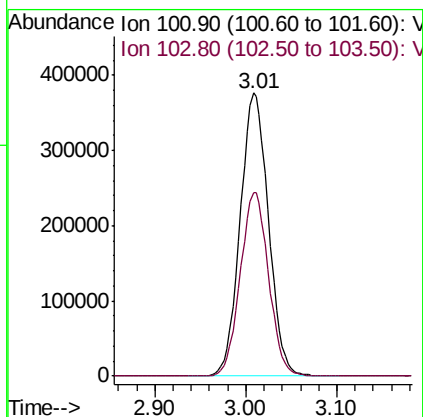
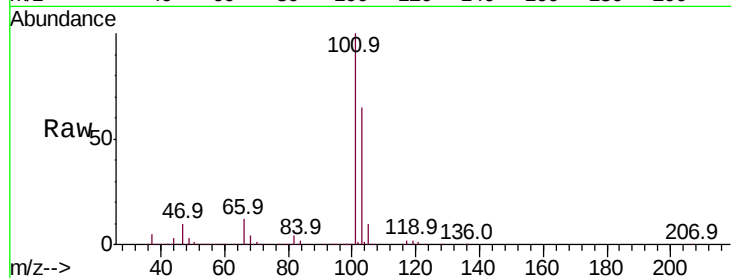
Trichlorofluoromethane
 Concen: 42.848 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

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 ICVVN082919

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	78.8

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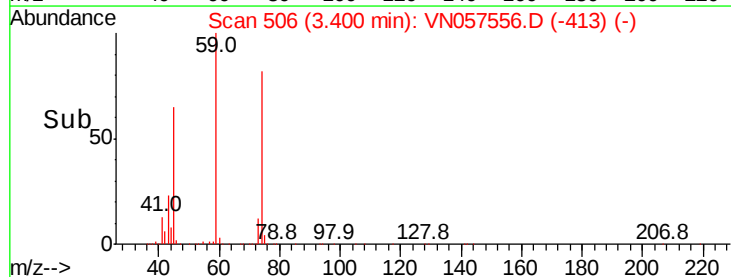
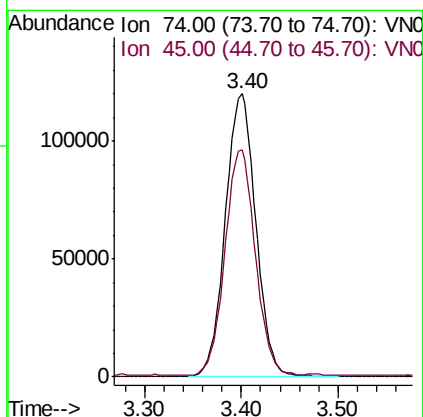
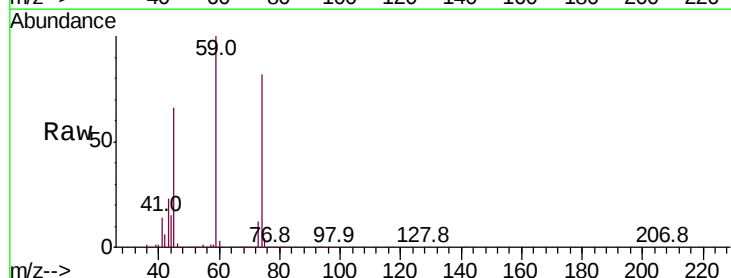
MMDadoda
 9/3/2019 2:38:45 AM

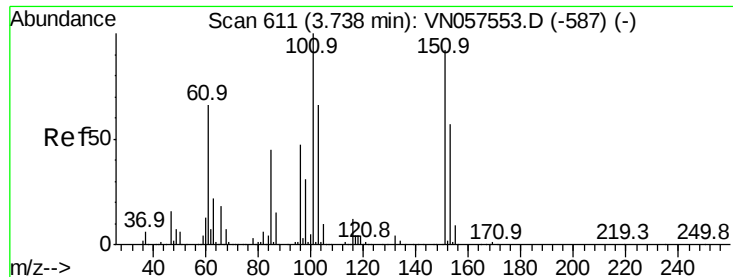


#8

Diethyl Ether
 Concen: 41.430 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.1	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.340 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN057556.D

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Instrument :

MSVOA_N

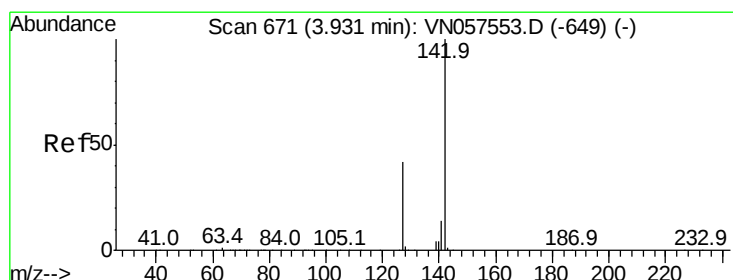
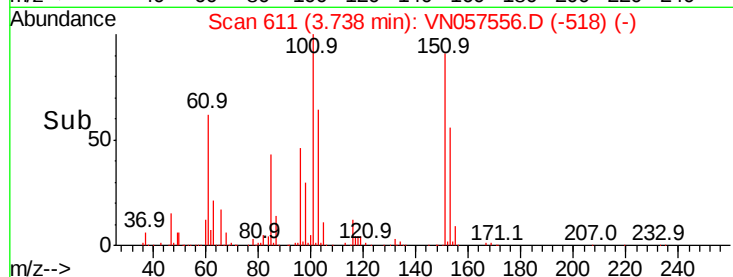
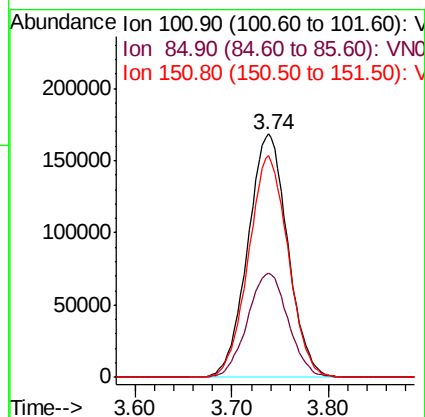
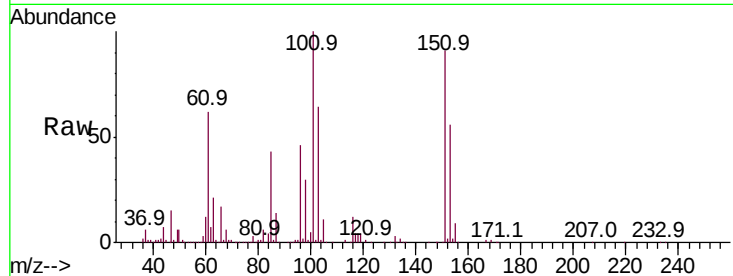
ClientSampleId :

ICVVN082919

Tot Ion:	101	Resp:	481856
Ion Ratio	Lower	Upper	
101	100		
85	43.8	40.0	60.0
151	90.5	57.0	85.6#

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#10

Methyl Iodide

Concen: 41.922 ug/l

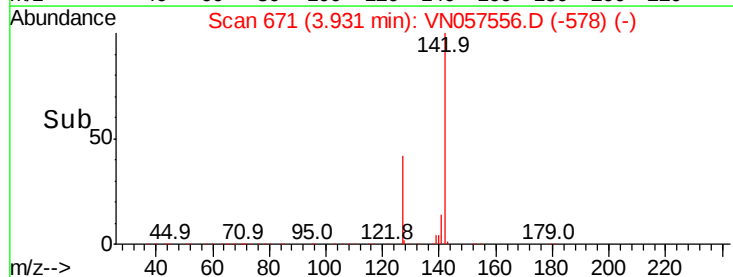
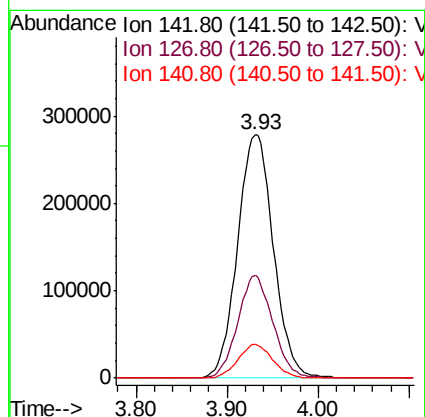
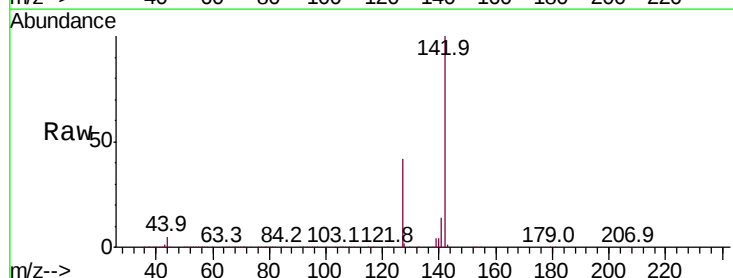
RT: 3.93 min Scan# 671

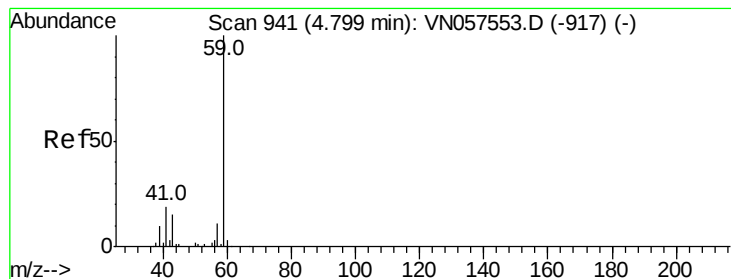
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	142	Resp:	762949
Ion Ratio	Lower	Upper	
142	100		
127	41.3	37.8	56.8
141	13.5	11.9	17.9





#11

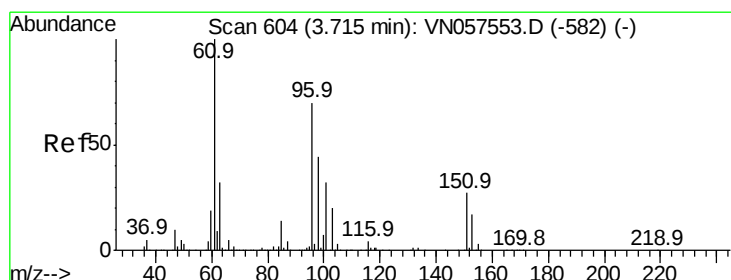
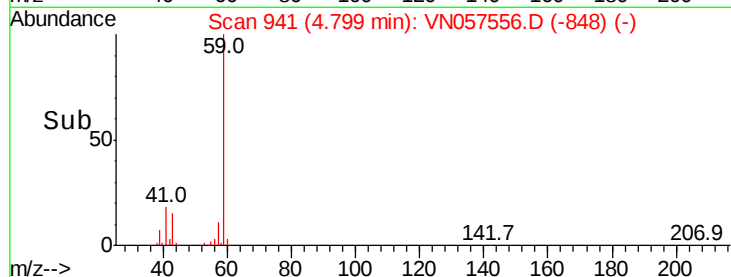
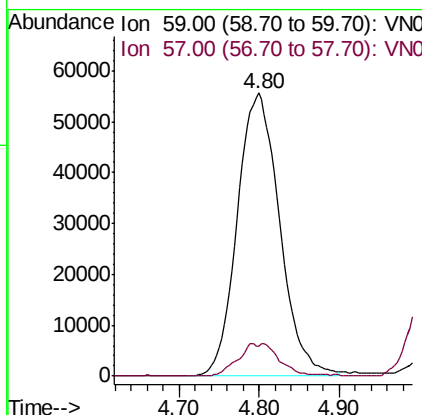
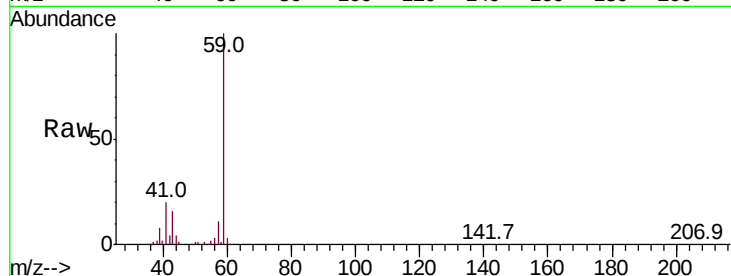
Tert butyl alcohol
Concen: 224.918 ug/l
RT: 4.80 min Scan# 941
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.1	13.7#

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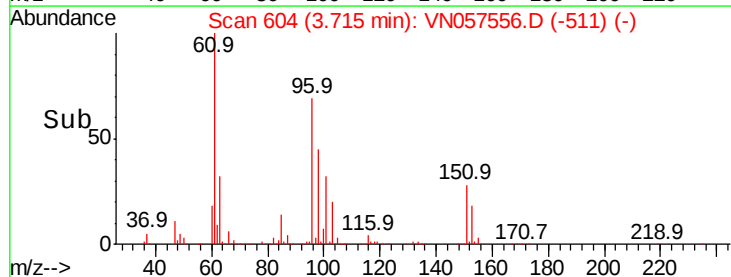
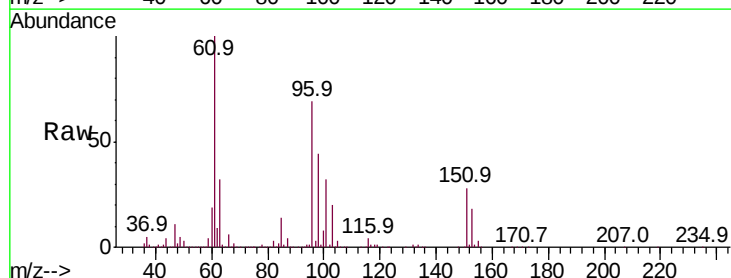
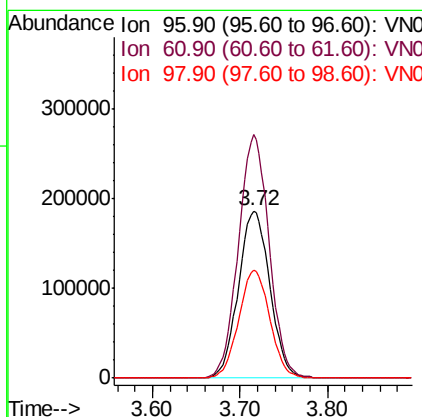
MMDadoda
9/3/2019 2:38:45 AM

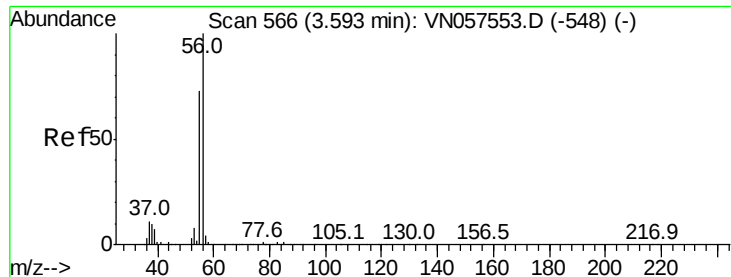


#12

1,1-Dichloroethene
Concen: 44.412 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.1	155.3	232.9#
98	65.0	50.2	75.2





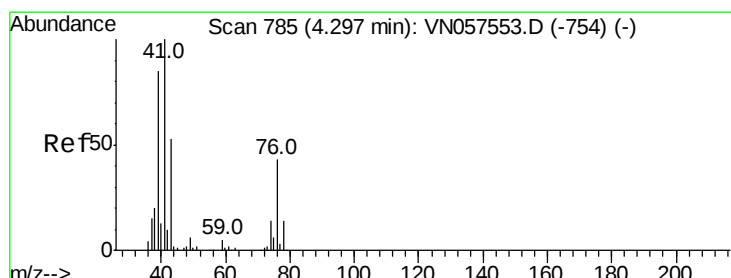
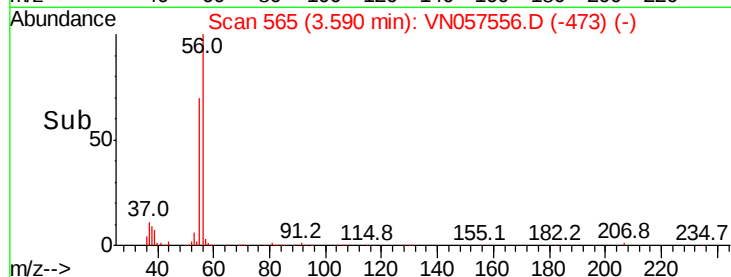
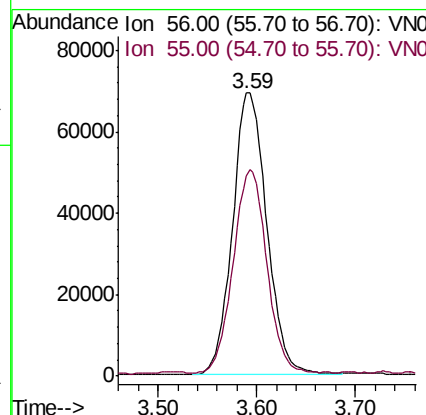
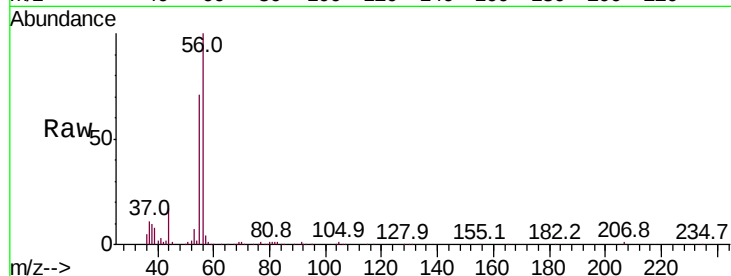
#13
Acrolein
Concen: 218.346 ug/l
RT: 3.59 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	56	Resp	166642
Ion	Ratio	Lower	Upper
56	100		
55	71.5	59.0	88.4

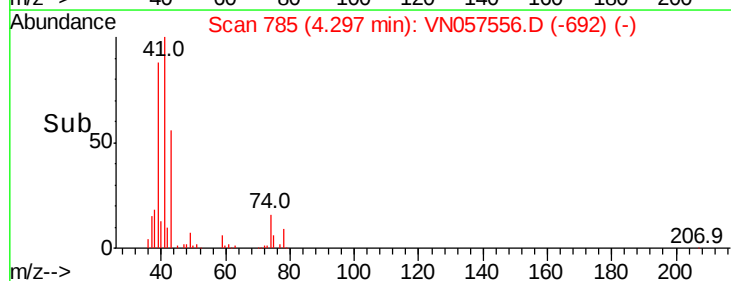
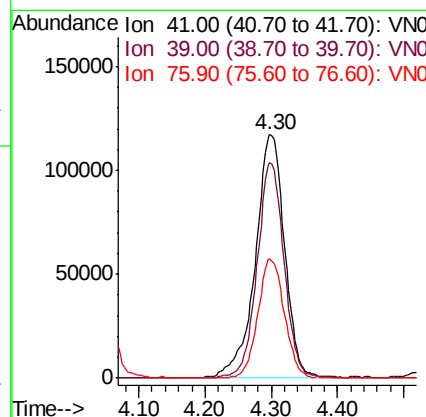
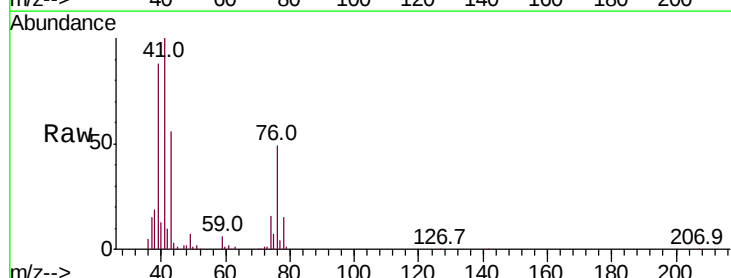
Manual Integrations
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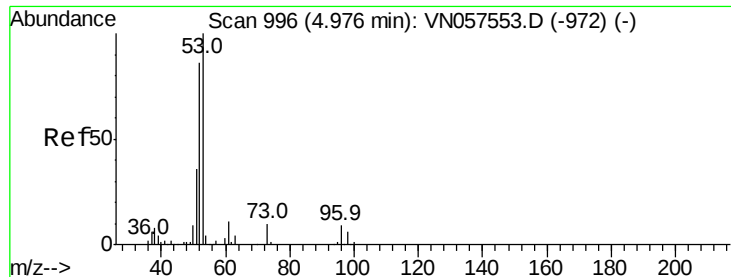
MMDadoda
9/3/2019 2:38:45 AM



#14
Allyl chloride
Concen: 46.712 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	41	Resp	357744
Ion	Ratio	Lower	Upper
41	100		
39	80.9	57.4	86.2
76	44.7	22.9	34.3#





#15

Acrylonitrile

Concen: 240.451 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

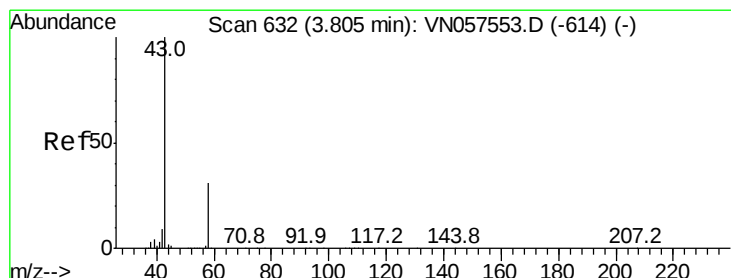
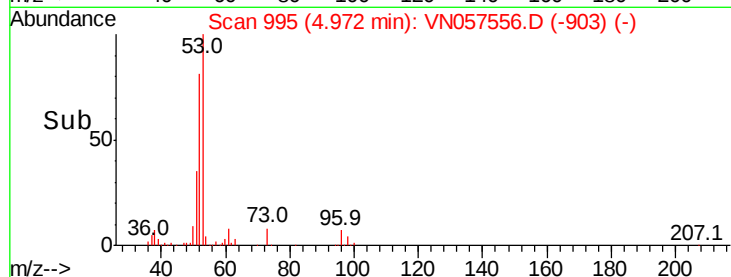
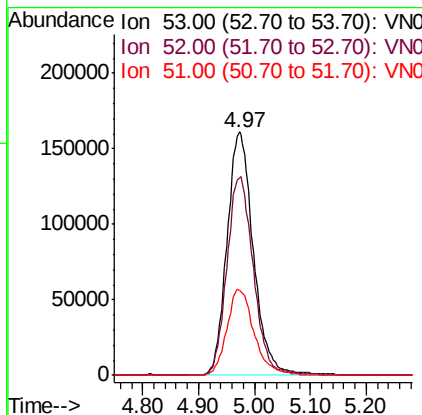
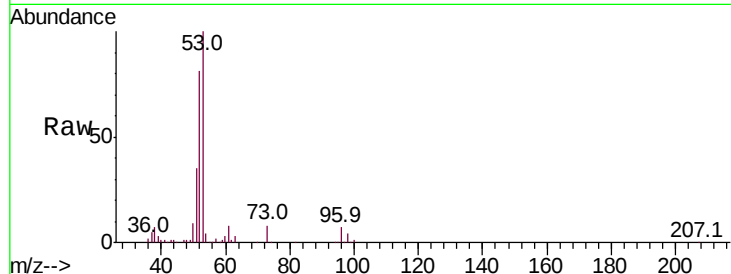
ClientSampleId :

ICVVN082919

Tot Ion:	53	Resp:	530650
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.0	100.6
51	36.5	29.9	44.9

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#16

Acetone

Concen: 198.498 ug/l

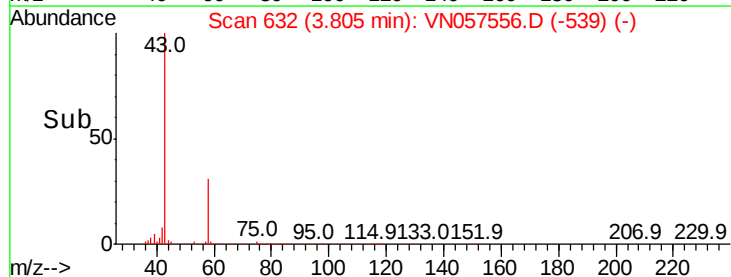
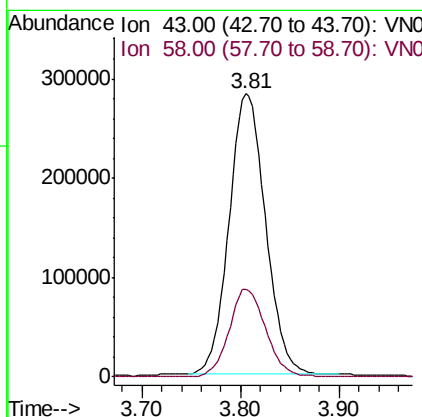
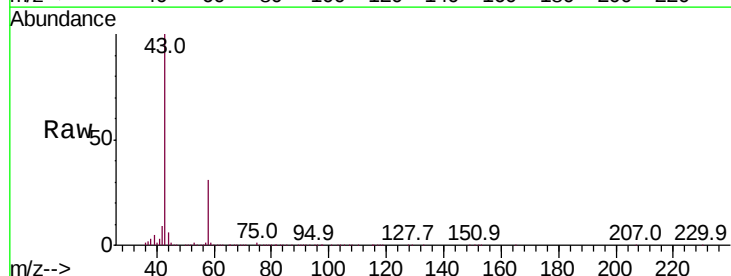
RT: 3.81 min Scan# 632

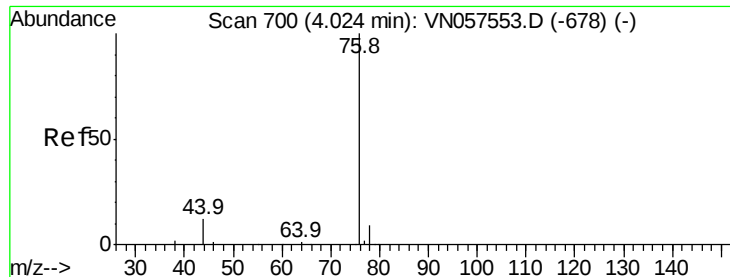
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	43	Resp:	725208
Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.1	33.1





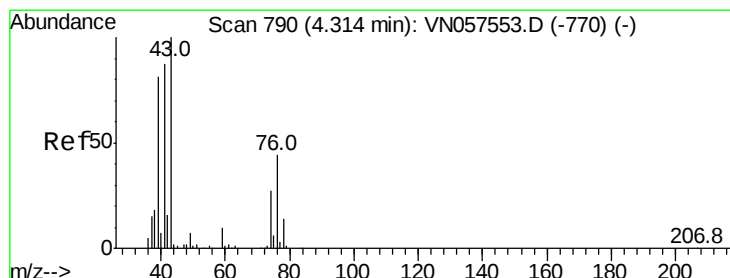
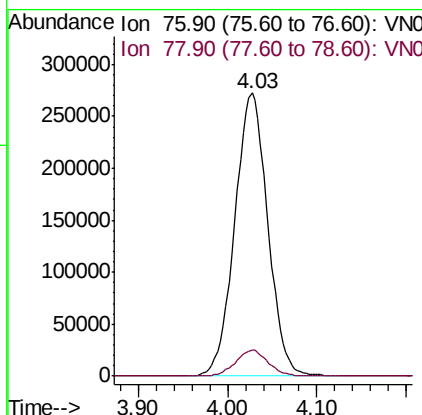
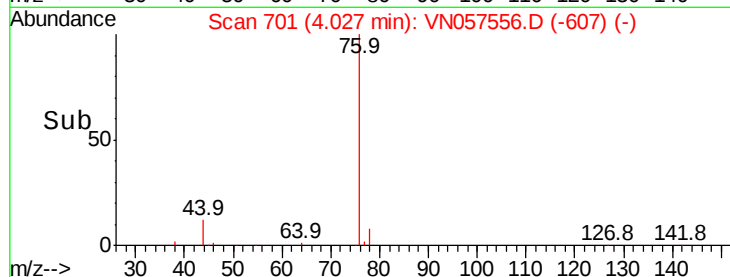
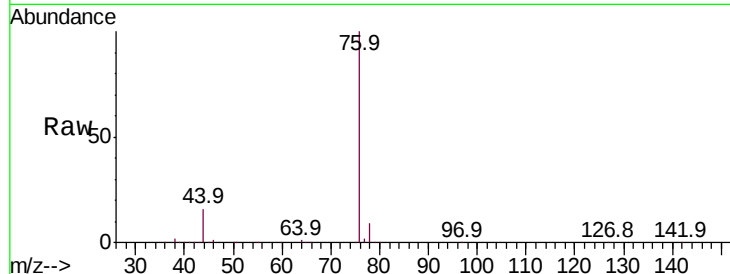
#17
Carbon Disulfide
Concen: 48.662 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

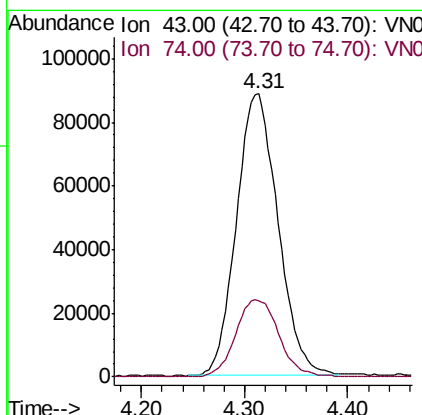
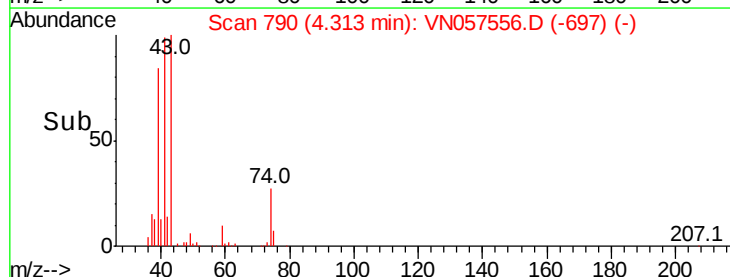
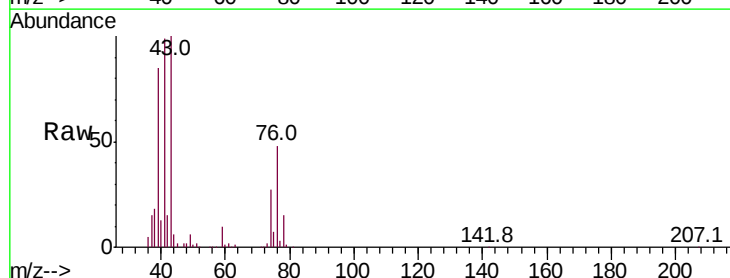
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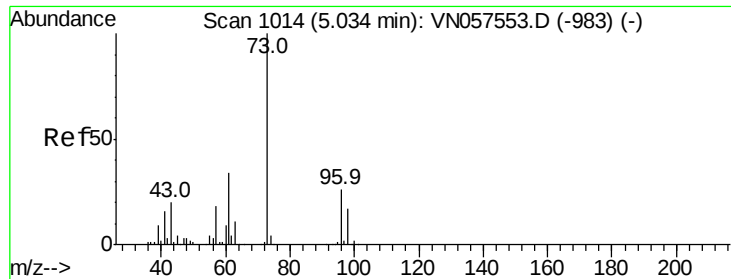
MMDadoda
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#18
Methyl Acetate
Concen: 49.478 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.5	15.9	23.9#





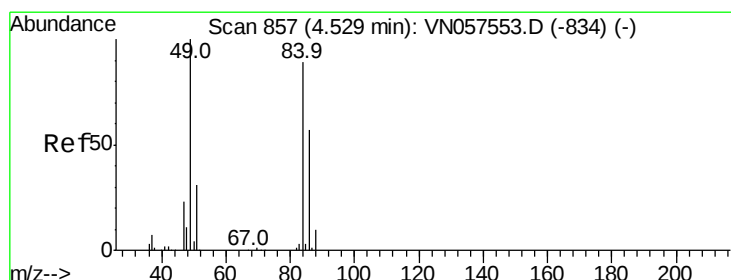
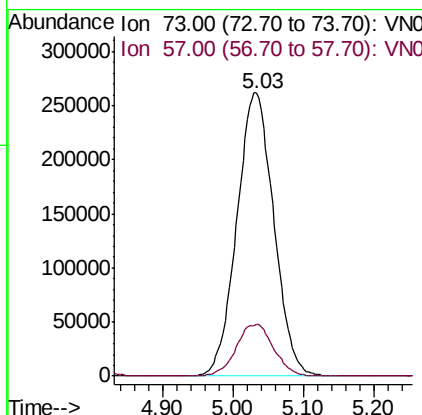
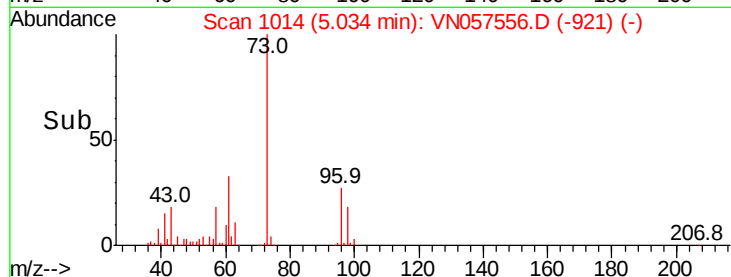
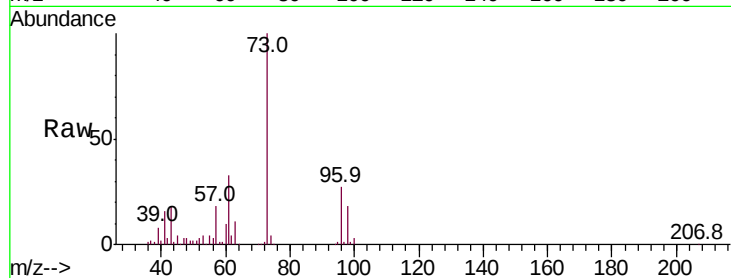
#19
Methvl tert-butvl Ether
Concen: 47.996 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion: 73 Resp: 956597
Ion Ratio Lower Upper
73 100
57 18.1 19.1 28.7#

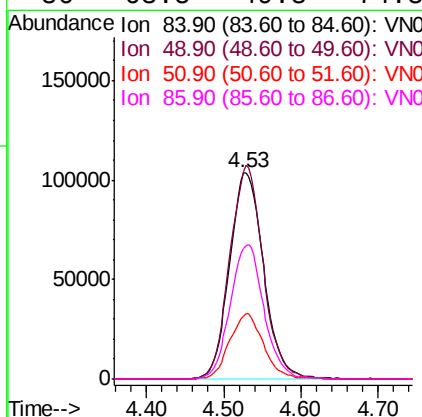
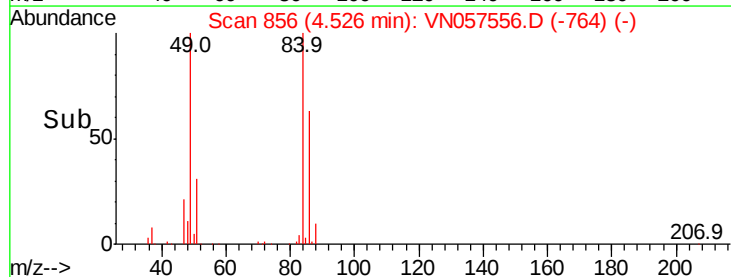
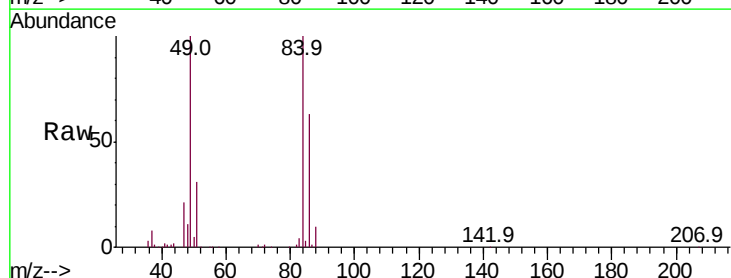
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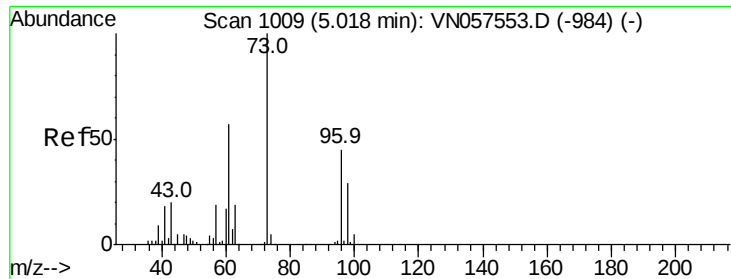
MMDadoda
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#20
Methylene Chloride
Concen: 46.717 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion: 84 Resp: 316185
Ion Ratio Lower Upper
84 100
49 100.3 117.0 175.4#
51 30.6 35.5 53.3#
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.016 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

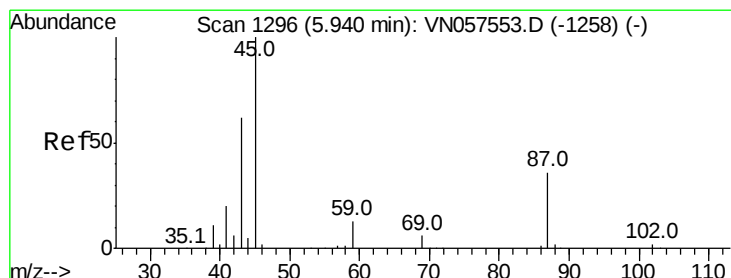
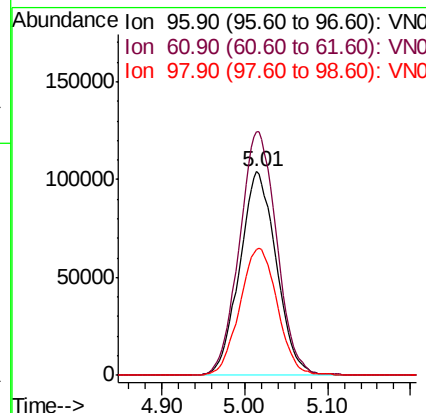
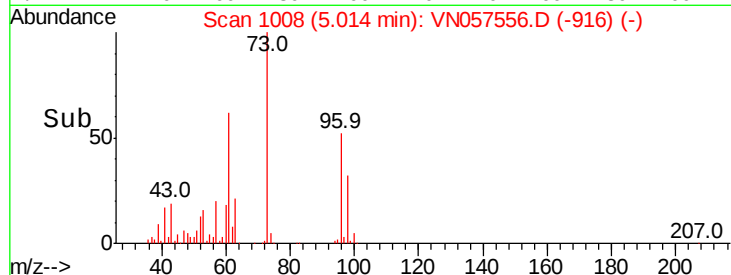
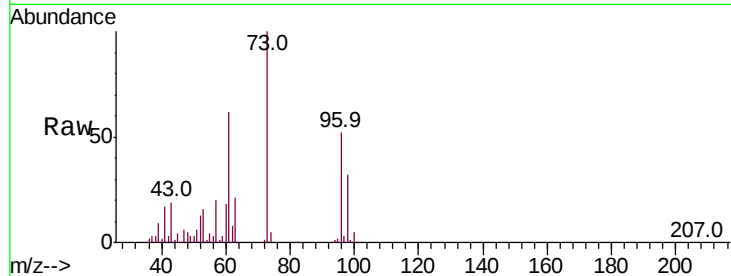
ClientSampleId :

ICVVN082919

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.6	127.9	191.9#
98	61.9	50.6	76.0

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#22

Diisopropyl ether

Concen: 45.949 ug/l

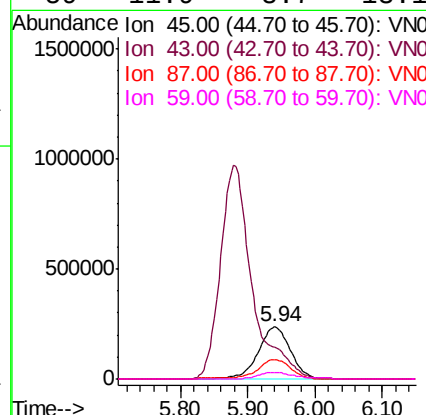
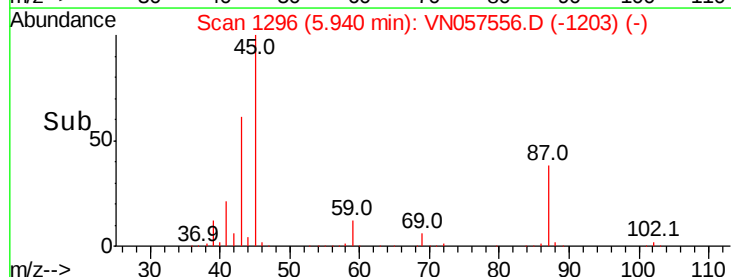
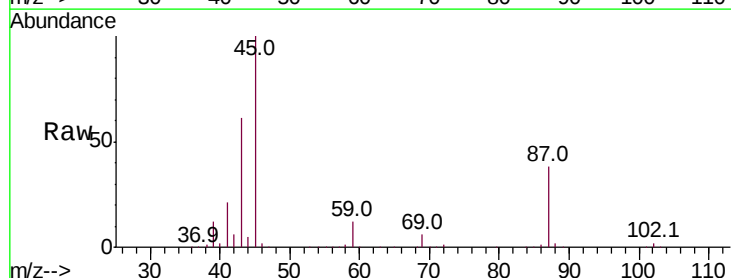
RT: 5.94 min Scan# 1296

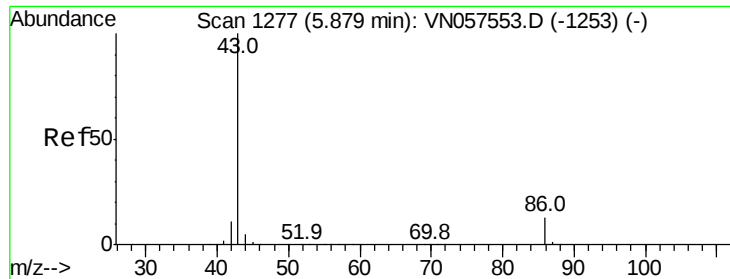
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.9	70.3
87	38.0	19.3	28.9#
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 239.273 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 43 Resp: 3209993

Ion Ratio Lower Upper

43 100

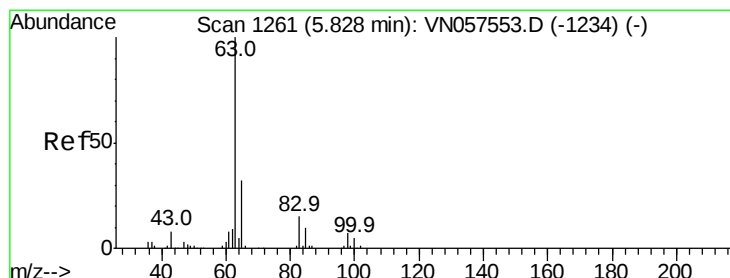
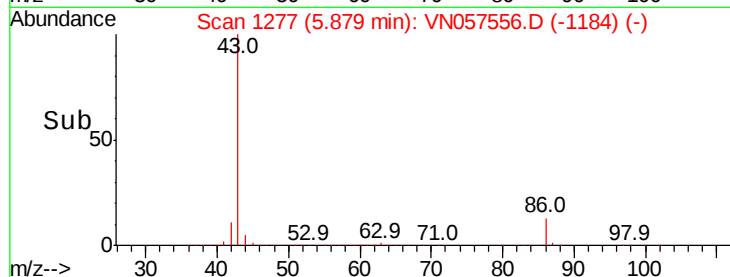
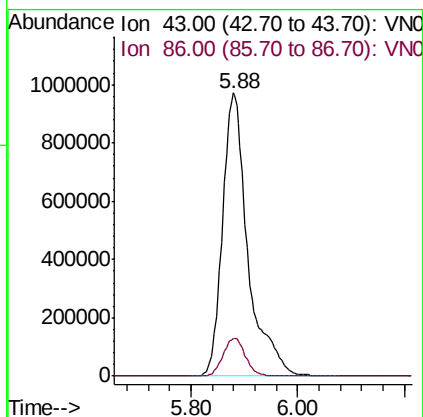
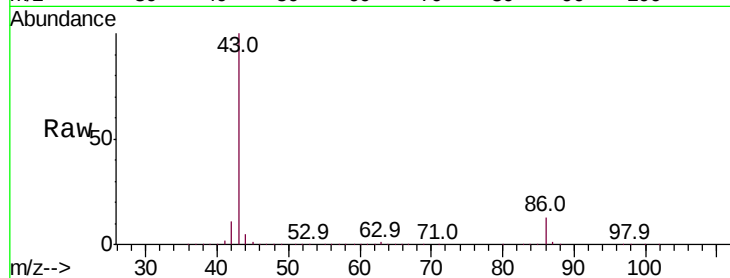
86 13.3 6.7 10.1#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.099 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

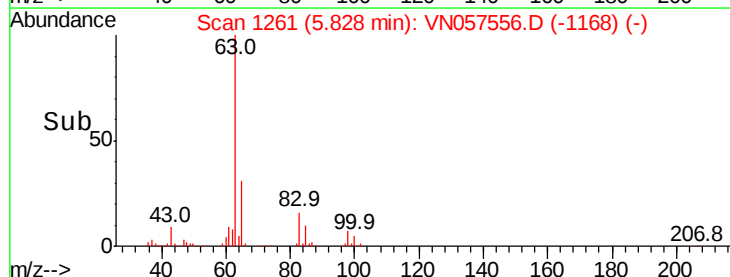
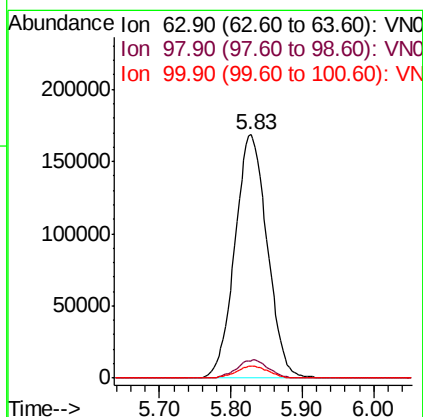
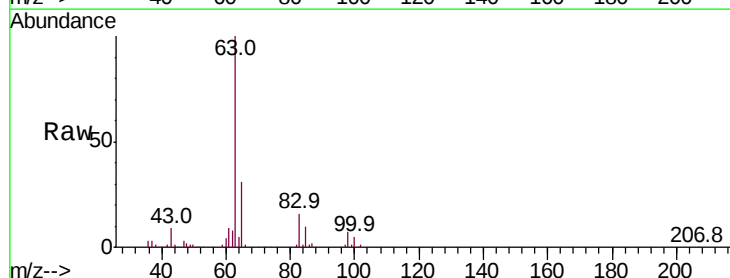
Tgt Ion: 63 Resp: 532439

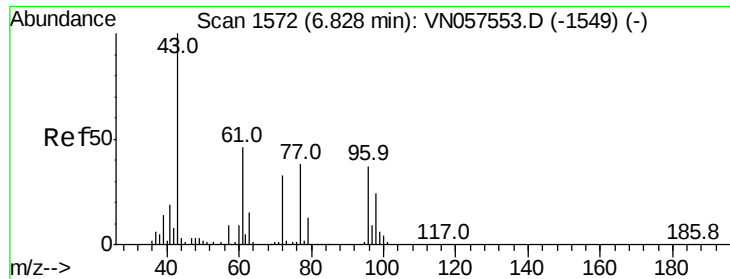
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.6

100 4.9 2.1 6.3





#25

2-Butanone

Concen: 227.053 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 43 Resp: 654773

Ion Ratio Lower Upper

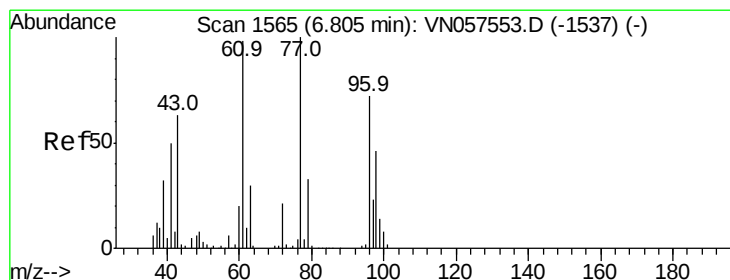
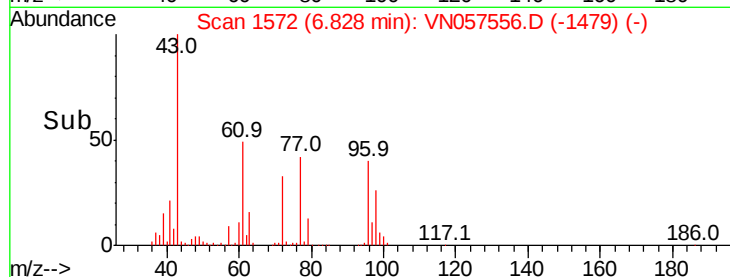
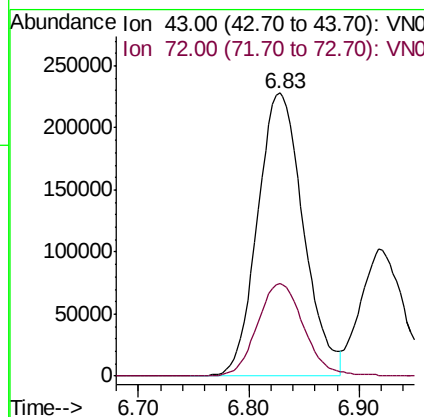
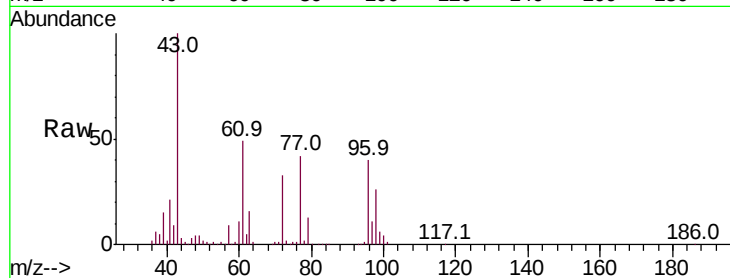
43 100

72 32.7 17.8 26.8#

Manual Integrations
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MMDadoda

9/3/2019 2:38:45 AM



#26

2,2-Dichloropropane

Concen: 45.562 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057556.D

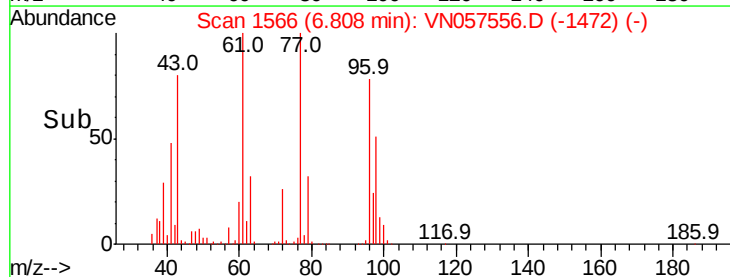
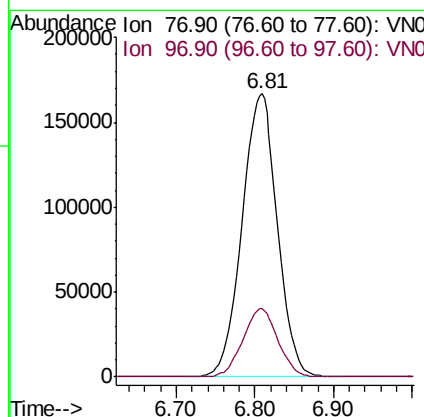
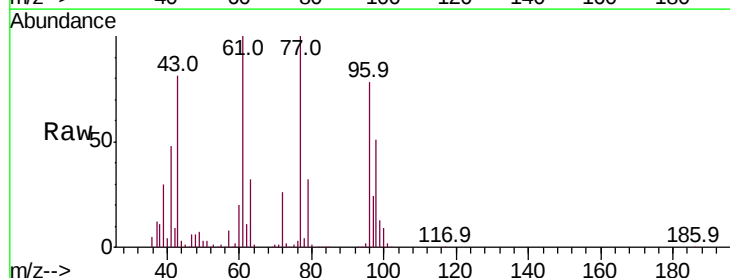
Acq: 29 Aug 2019 17:55

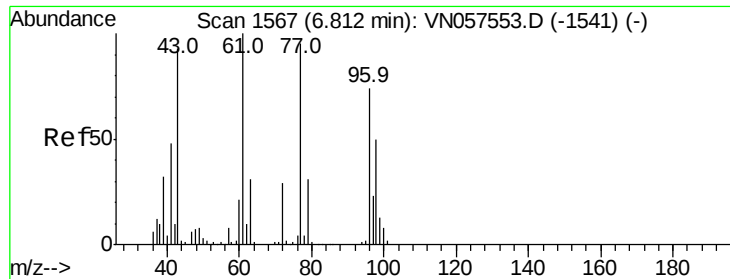
Tgt Ion: 77 Resp: 525890

Ion Ratio Lower Upper

77 100

97 23.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.253 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

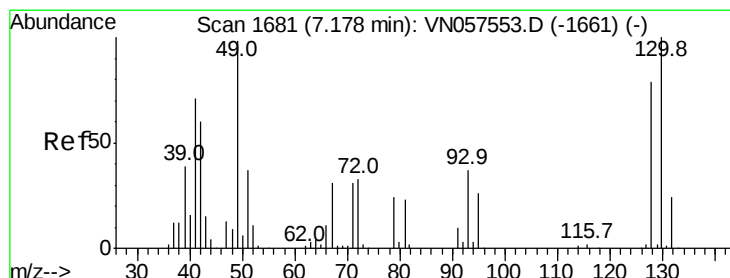
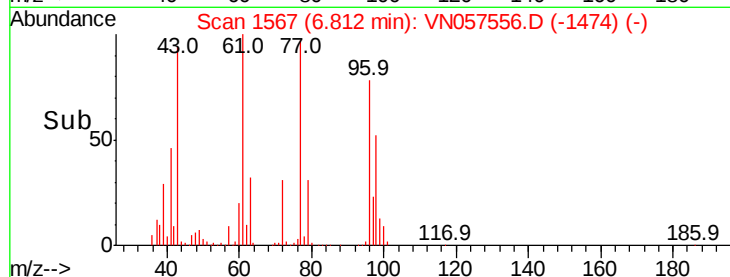
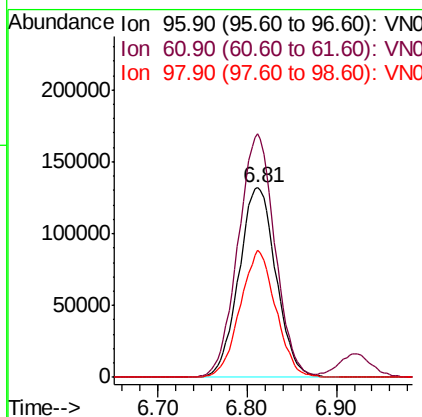
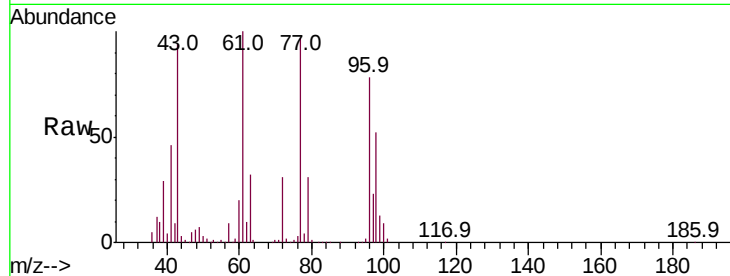
ClientSampleId :

ICVVN082919

Tot Ion:	96	Resp:	382477
Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	334.8
98	64.5	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 48.156 ug/l

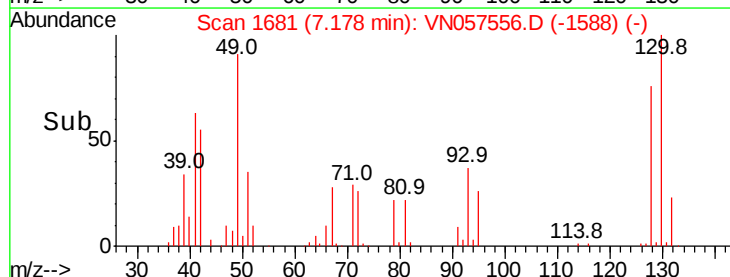
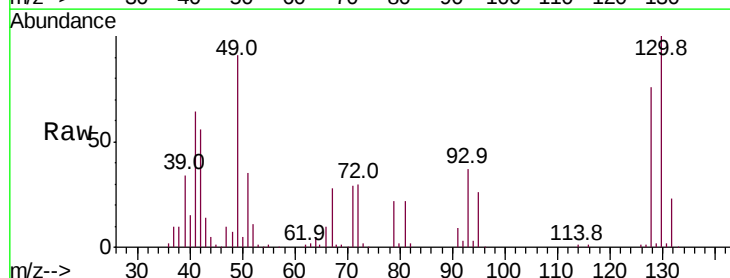
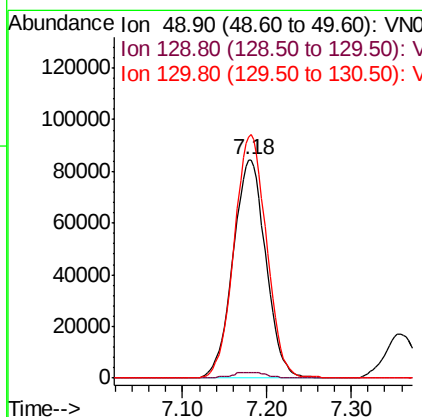
RT: 7.18 min Scan# 1681

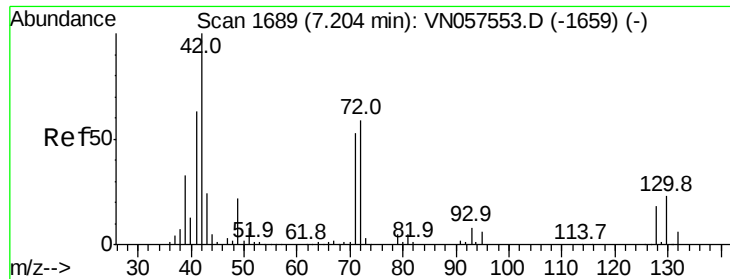
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	49	Resp:	228838
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	109.8	48.6	72.8#





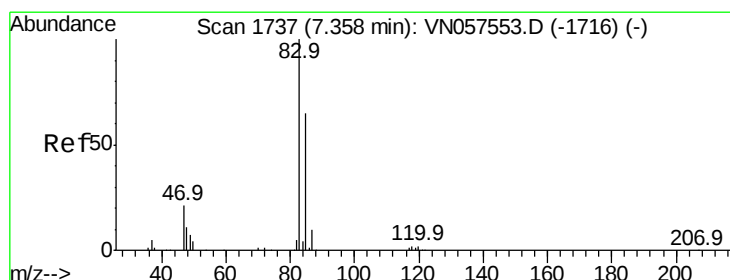
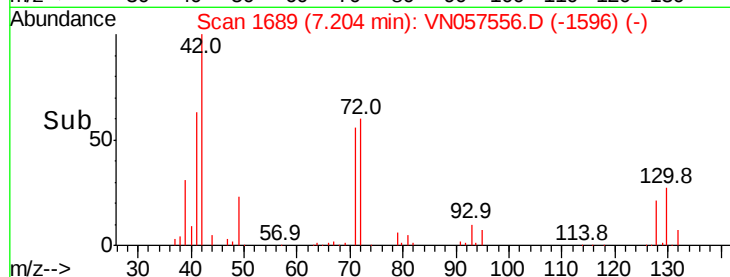
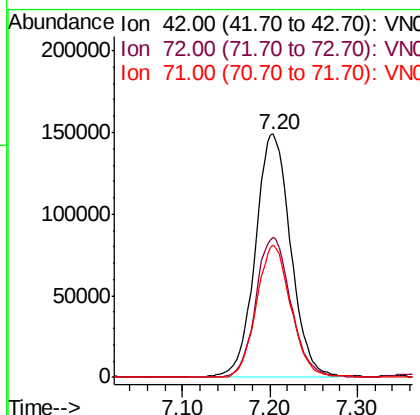
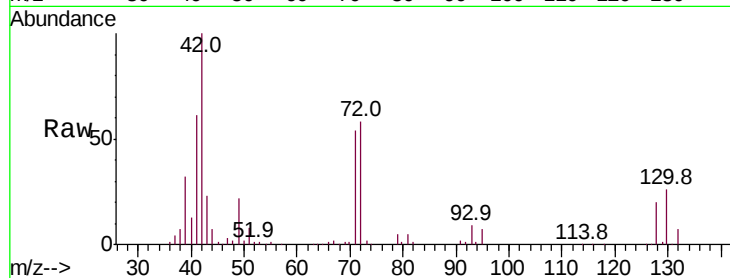
#29
Tetrahydrofuran
Concen: 231.778 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.2	30.1	45.1#
71	53.0	28.8	43.2#

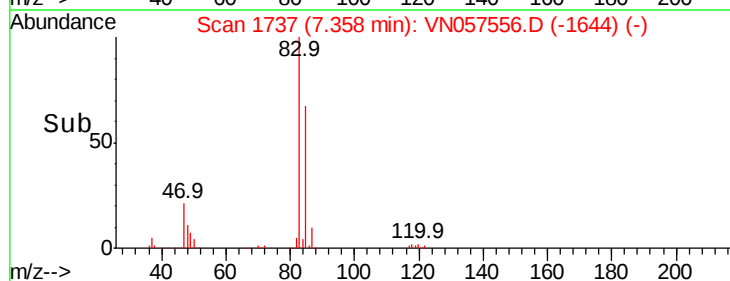
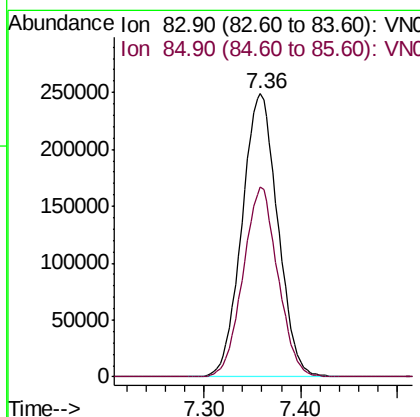
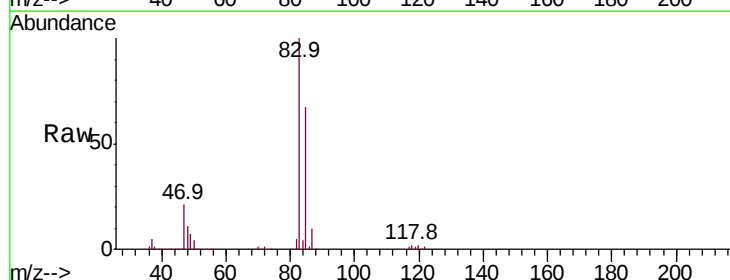
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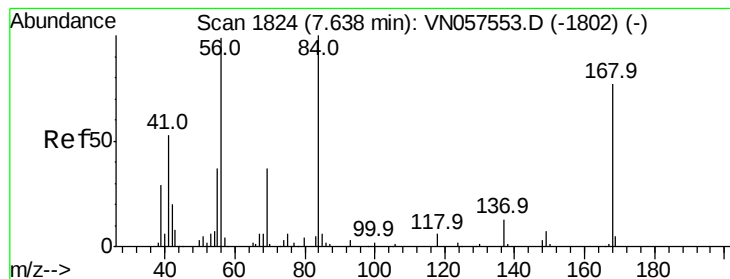
MMDadoda
9/3/2019 2:38:45 AM



#30
Chloroform
Concen: 45.574 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.9	77.9





#31

Cyclohexane

Concen: 43.094 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

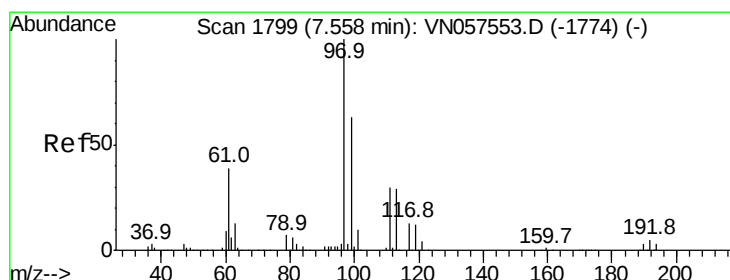
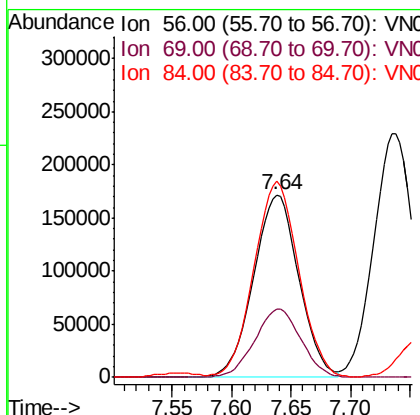
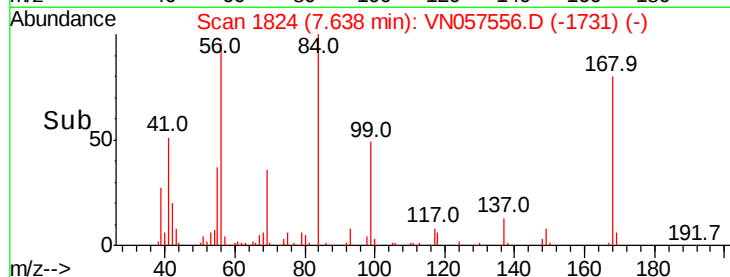
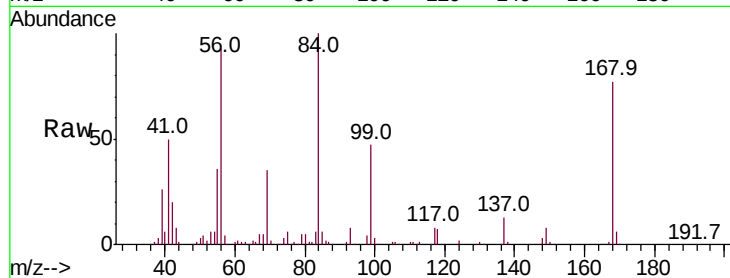
ClientSampleId :

ICVVN082919

Tot Ion:	56	Resp:	452431
Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.0	37.6
84	105.7	62.5	93.7#

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#32

1,1,1-Trichloroethane

Concen: 48.540 ug/l

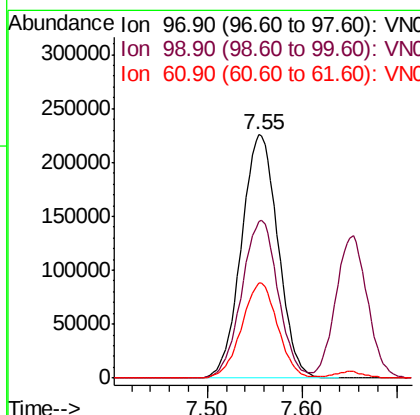
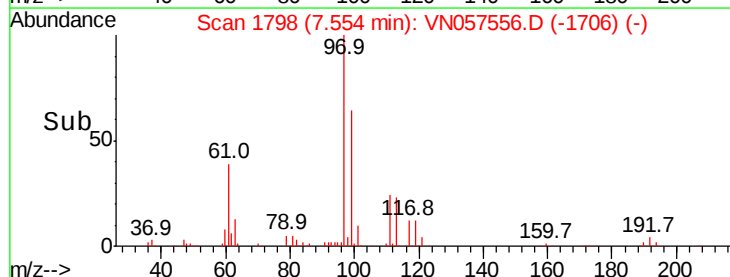
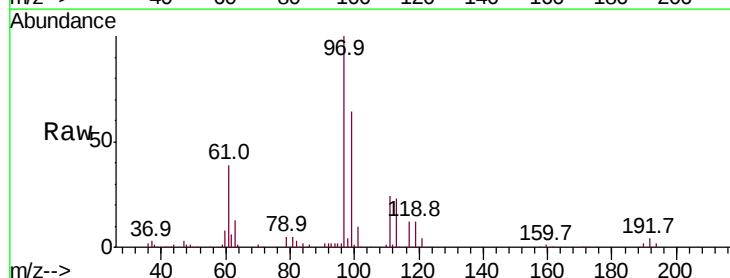
RT: 7.55 min Scan# 1798

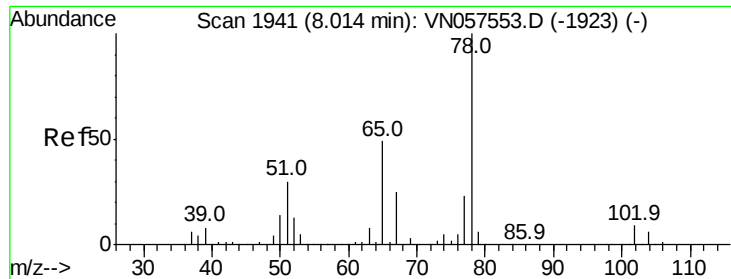
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	97	Resp:	605334
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	38.6	39.8	59.6#





#33

1,2-Dichloroethane-d4

Concen: 46.794 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 65 Resp: 406336

Ion Ratio Lower Upper

65 100

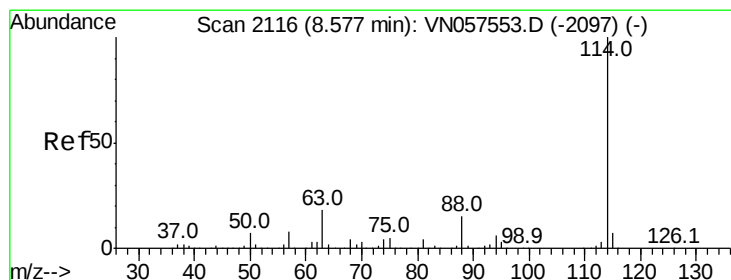
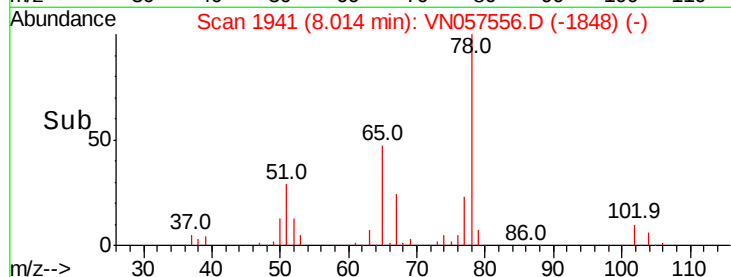
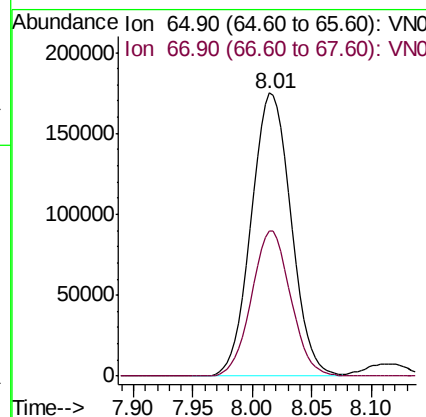
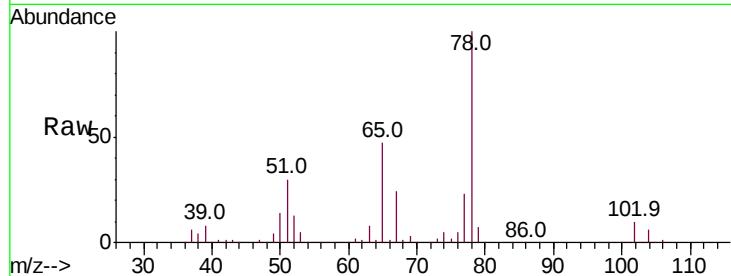
67 50.4 0.0 103.8

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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: VN057556.D

Acq: 29 Aug 2019 17:55

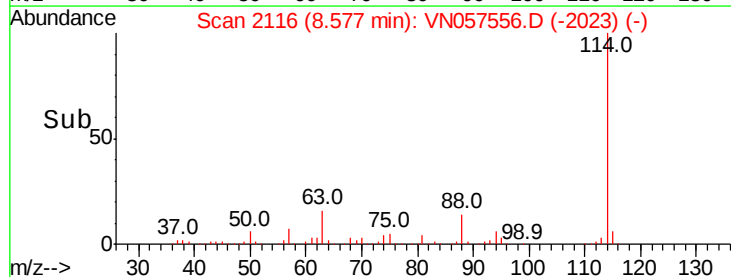
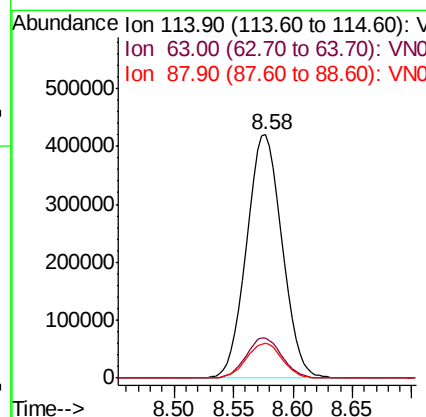
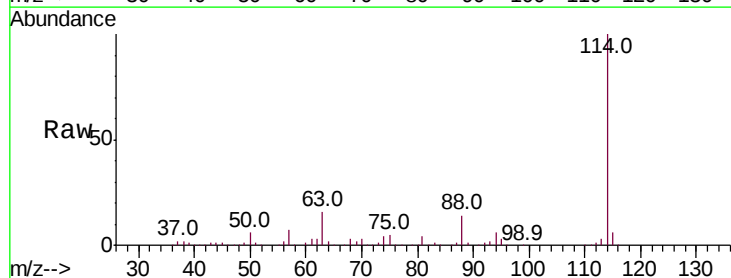
Tgt Ion: 114 Resp: 870761

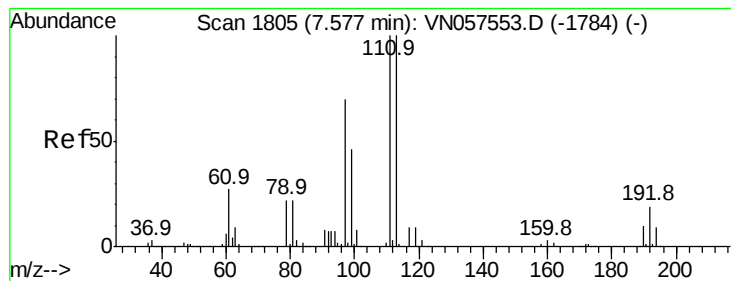
Ion Ratio Lower Upper

114 100

63 16.5 0.0 50.2

88 14.3 0.0 34.6





#35

Dibromofluoromethane

Concen: 47.661 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

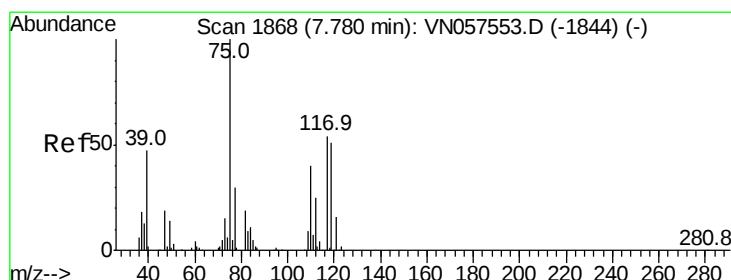
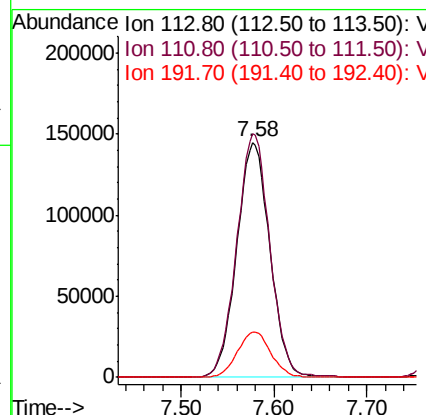
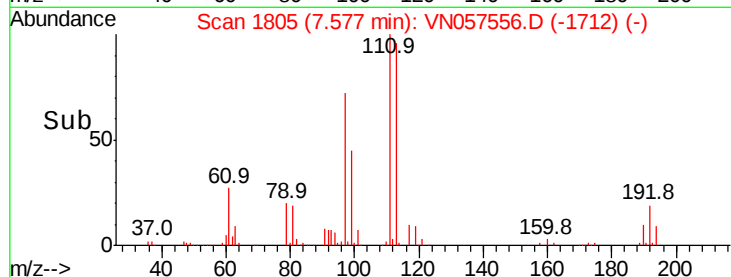
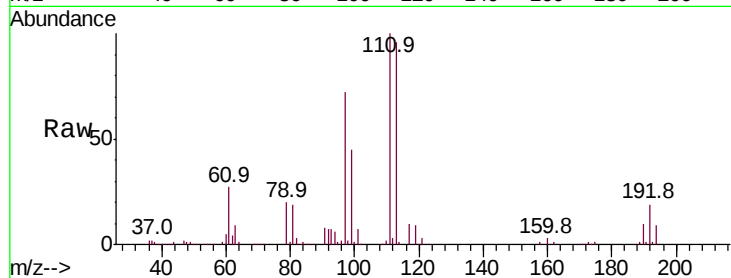
ClientSampleId :

ICVVN082919

Tot Ion:	113	Resp:	360257
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.8	125.6
192	19.5	13.5	20.3

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#36

1,1-Dichloropropene

Concen: 47.670 ug/l

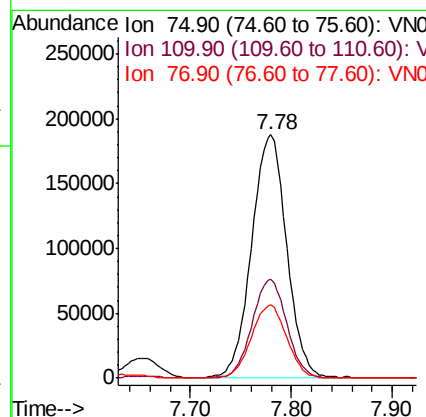
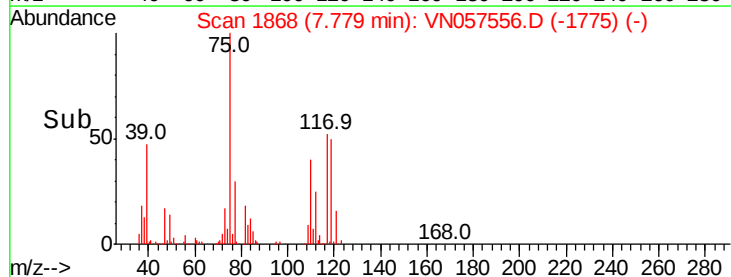
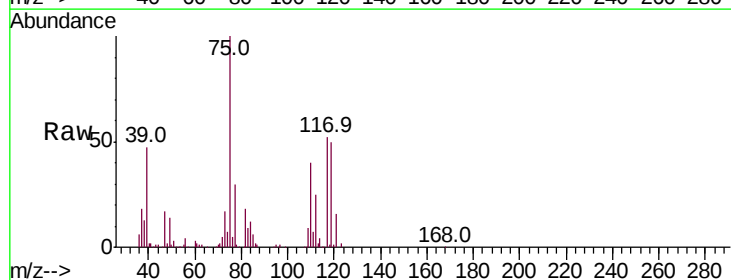
RT: 7.78 min Scan# 1868

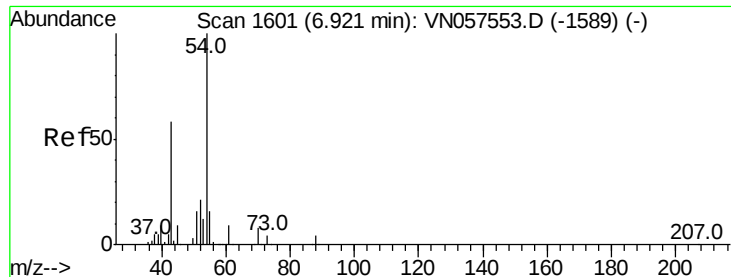
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	75	Resp:	449031
Ion Ratio	Lower	Upper	
75	100		
110	40.2	16.1	48.3
77	30.8	24.8	37.2





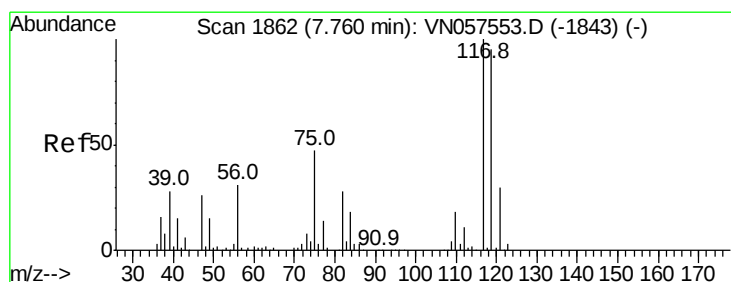
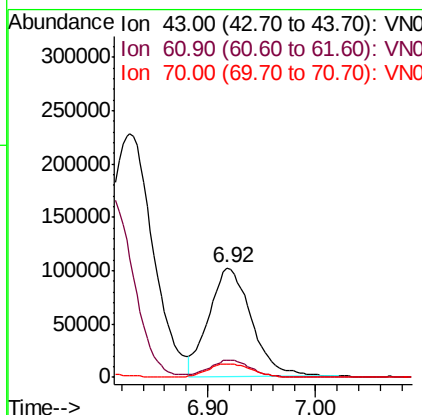
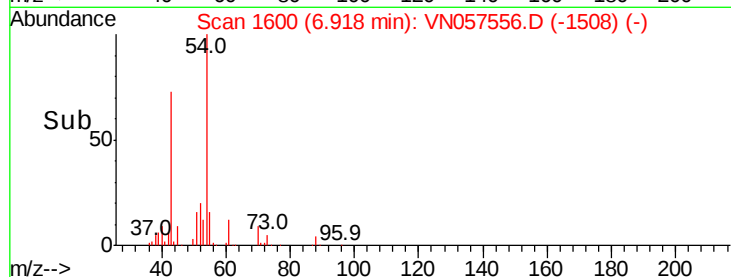
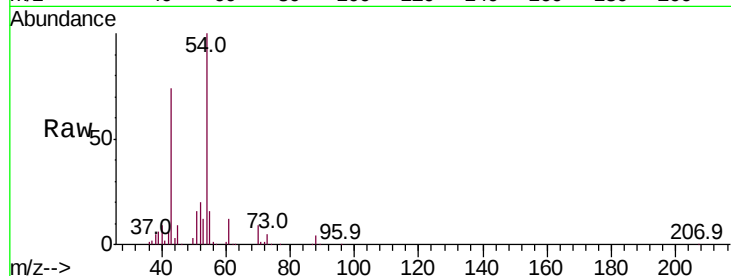
#37
Ethyl Acetate
Concen: 44.822 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	9.9	14.9#
70	13.0	7.0	10.6#

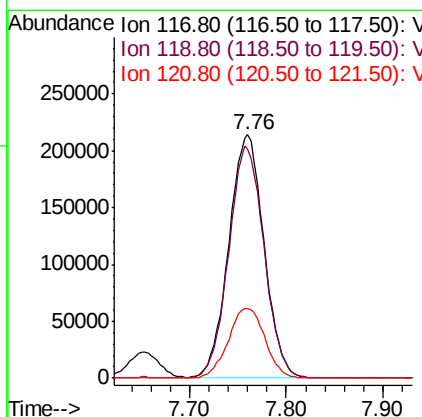
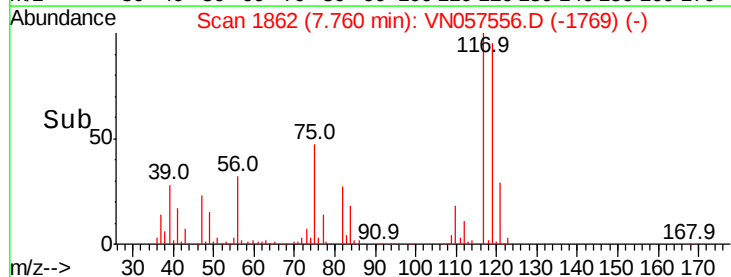
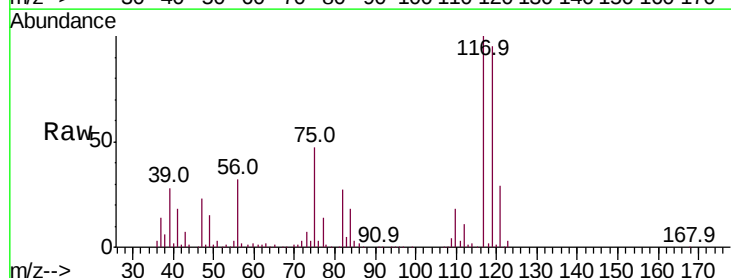
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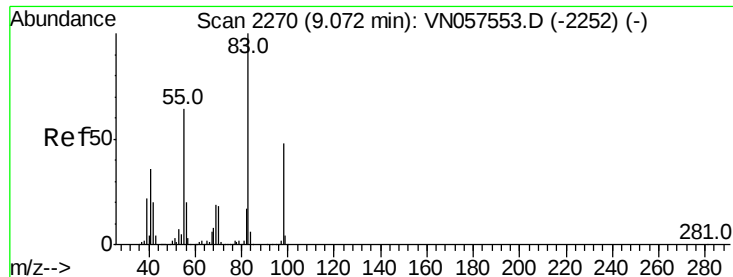
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#38
Carbon Tetrachloride
Concen: 49.103 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.2	114.4
121	28.6	23.8	35.6





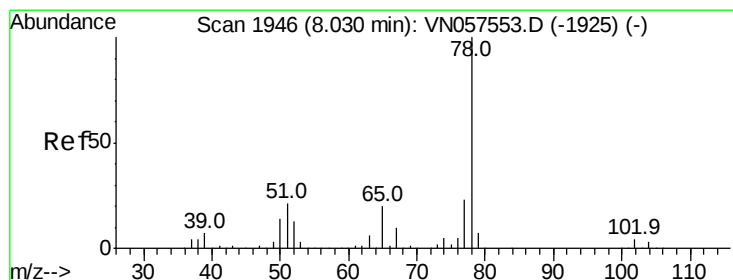
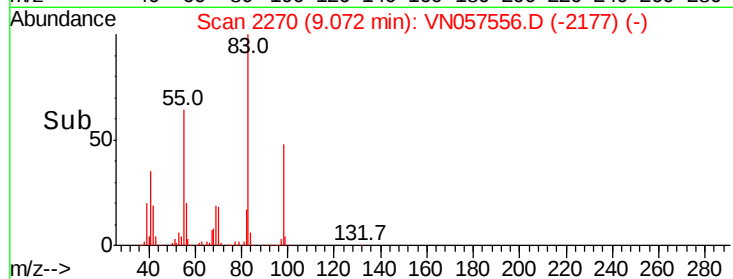
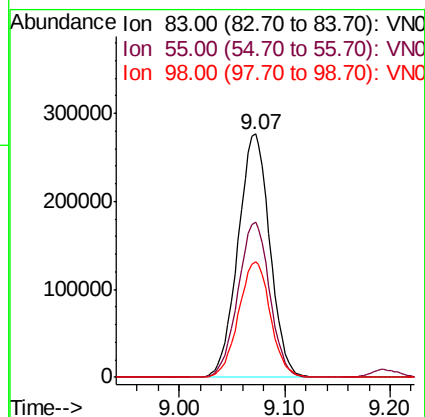
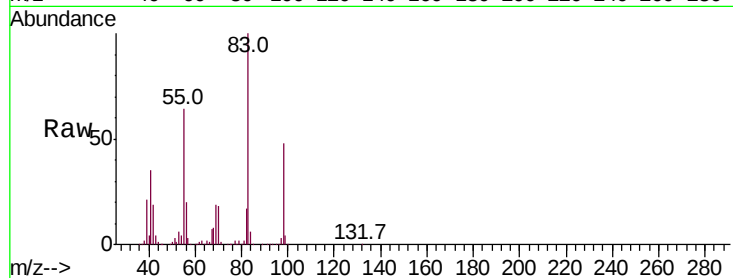
#39
Methvlcvclohexane
Concen: 48.354 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.6	68.6	102.8#
98	47.6	36.6	54.8

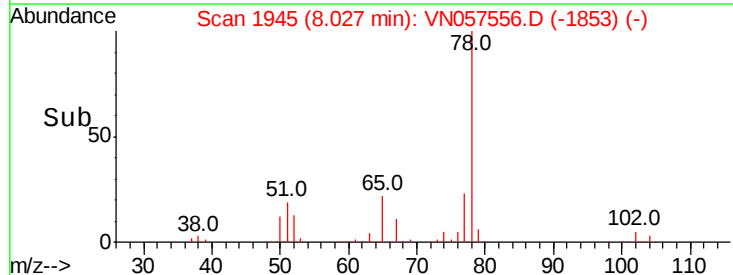
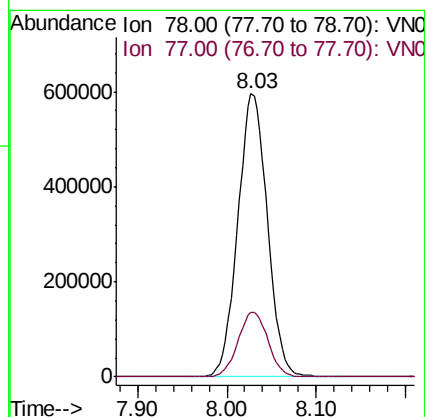
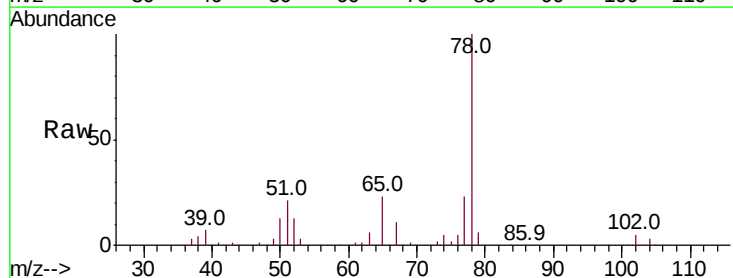
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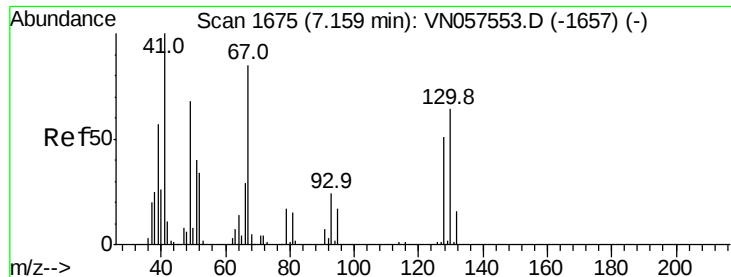
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#40
Benzene
Concen: 47.501 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.5	27.7





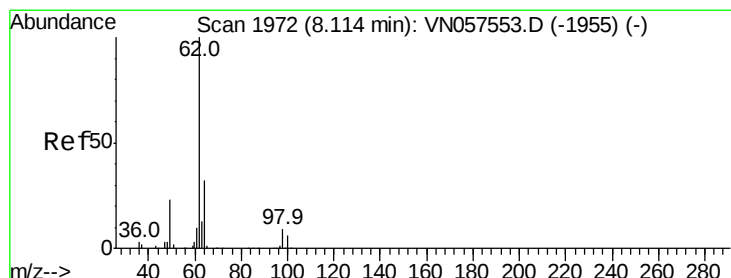
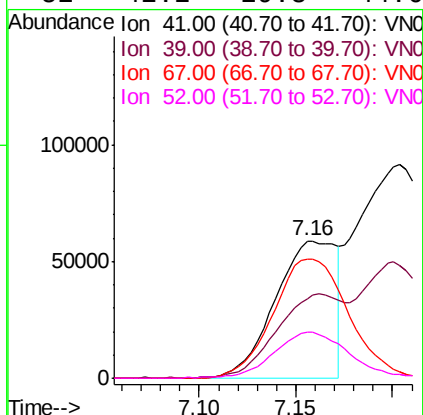
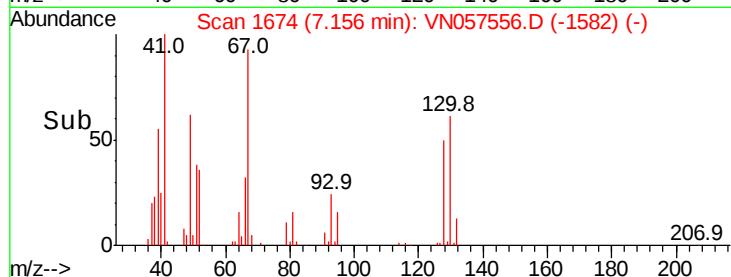
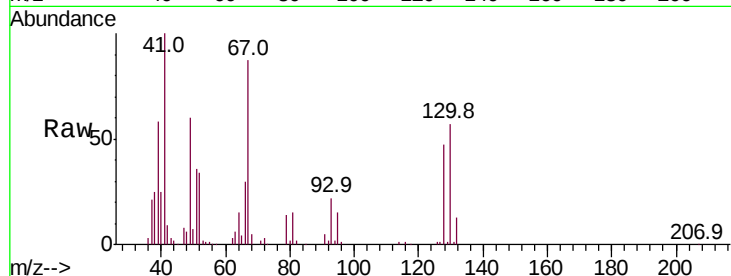
#41
Methacrylonitrile
Concen: 45.369 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	53.6	80.4
67	108.7	65.4	98.2#
52	42.2	29.8	44.6

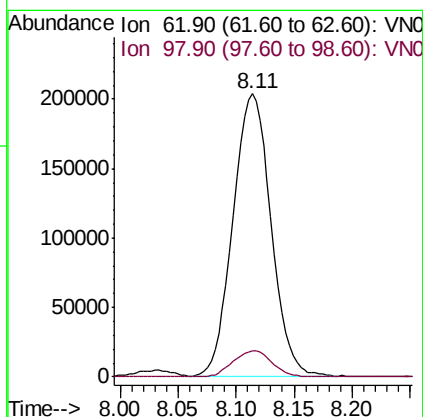
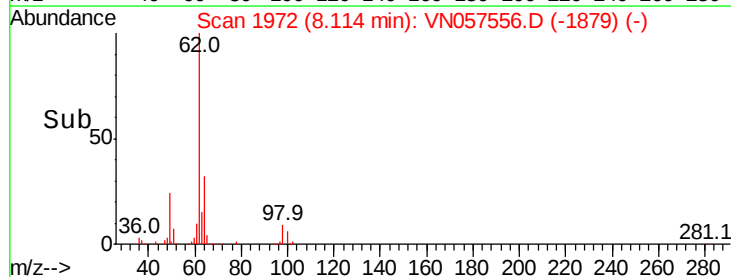
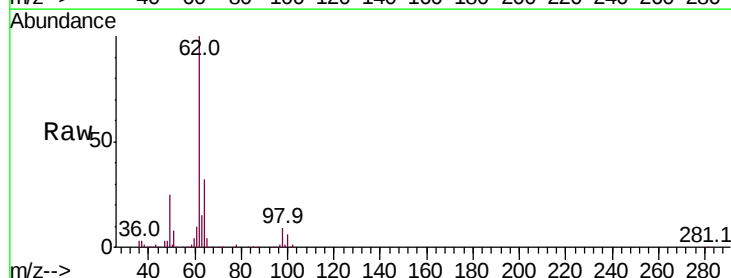
Manual Integrations
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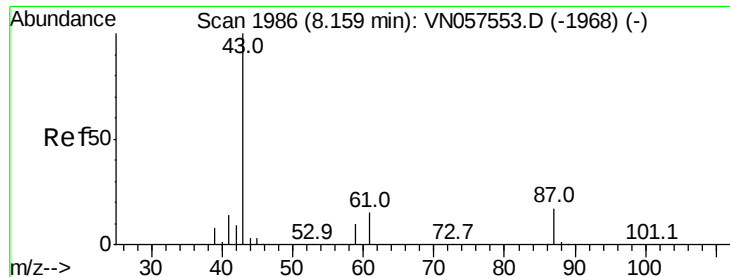
MMDadoda
9/3/2019 2:38:45 AM



#42
1,2-Dichloroethane
Concen: 45.065 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	15.4





#43

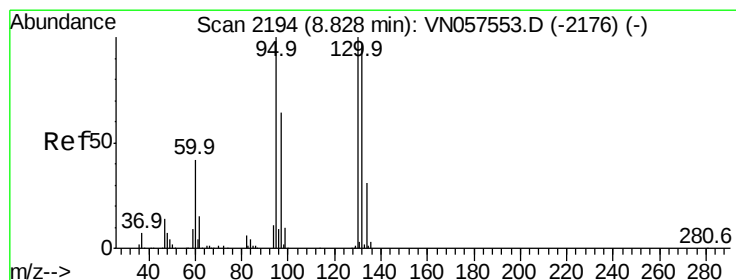
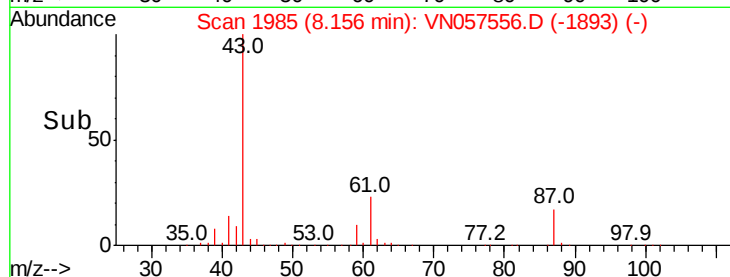
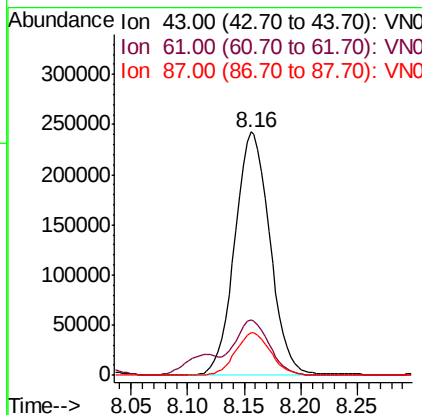
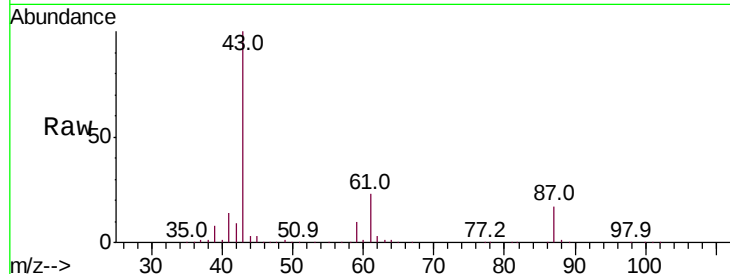
Isopropyl Acetate
 Concen: 44.818 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	14.5	21.7#
87	17.6	8.6	12.8#

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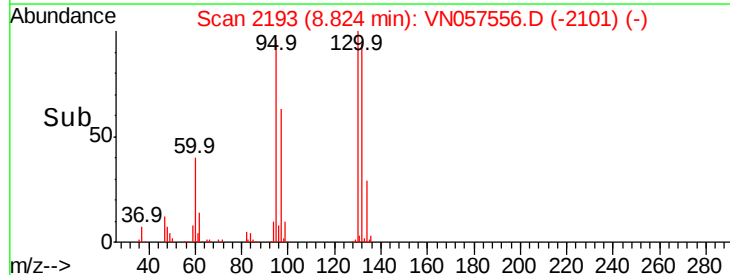
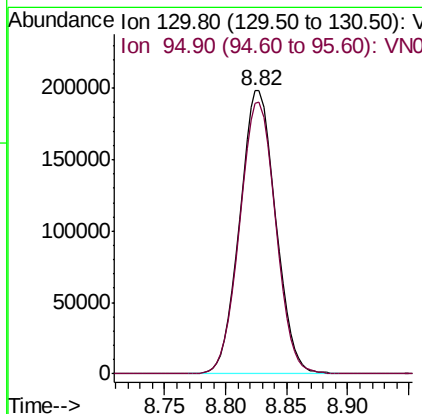
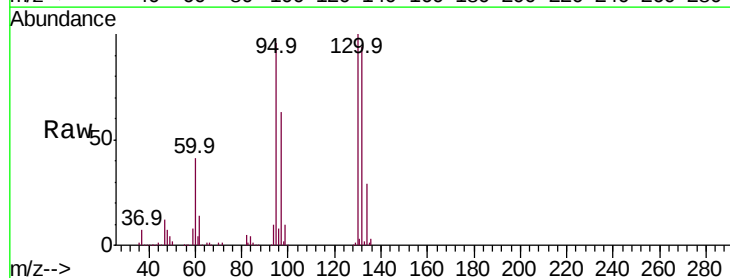
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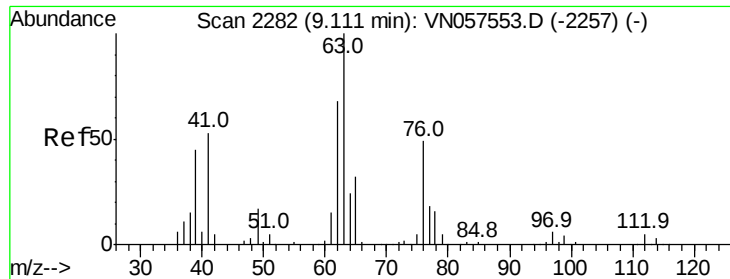


#44

Trichloroethene
 Concen: 50.587 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	231.6





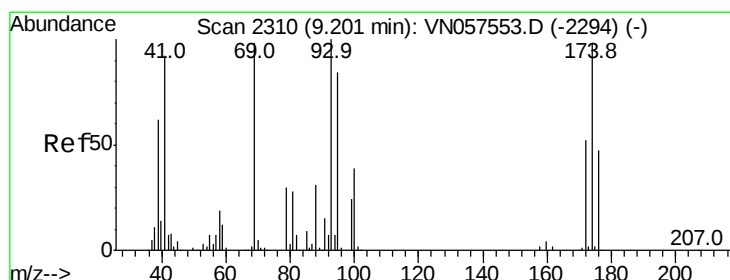
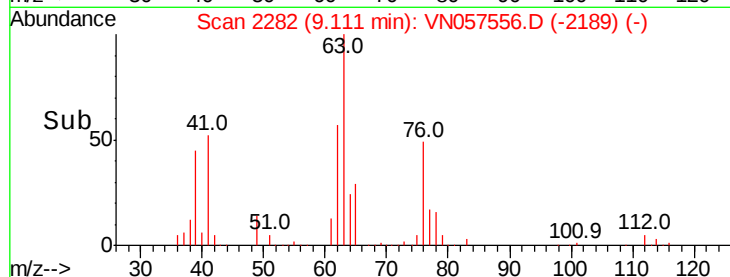
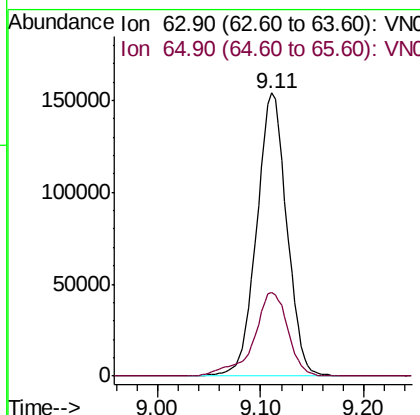
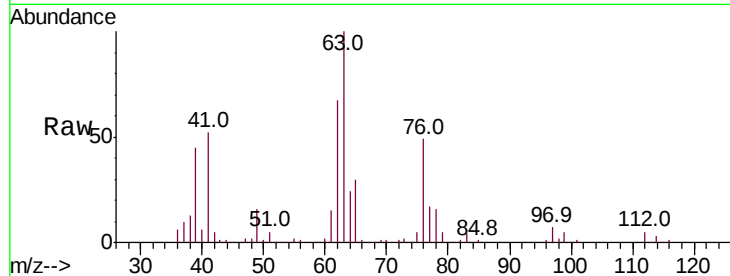
#45
 1,2-Dichloropropane
 Concen: 46.215 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Tot Ion: 63 Resp: 311528
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.7 37.1

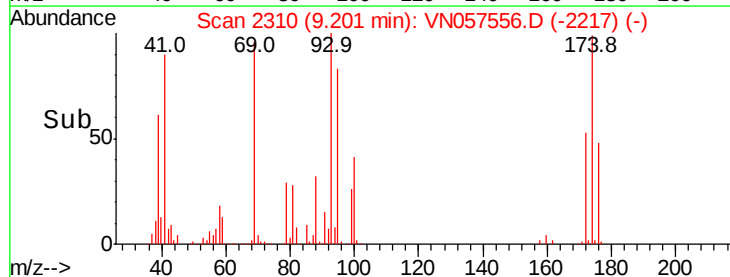
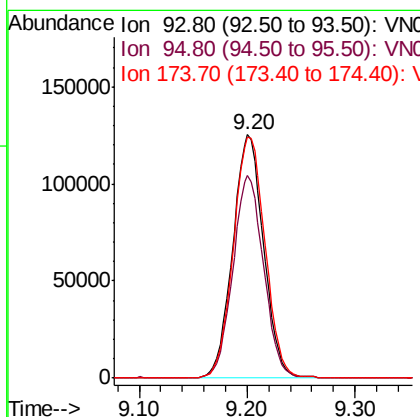
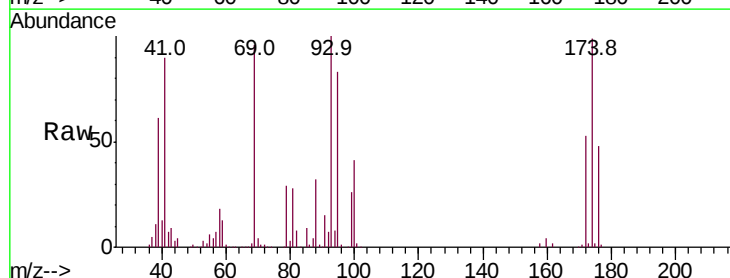
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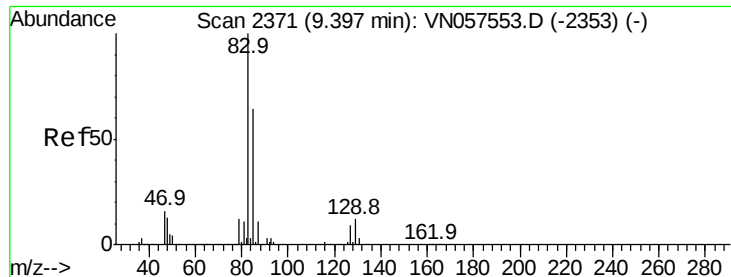
MMDadoda
 9/3/2019 2:38:45 AM



#46
 Dibromomethane
 Concen: 47.219 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion: 93 Resp: 249592
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.7 97.1
 174 101.9 62.3 93.5#





#47

Bromodichloromethane

Concen: 47.598 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

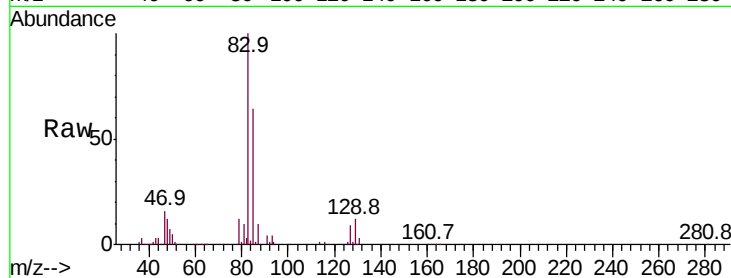
ClientSampleId :

ICVVN082919

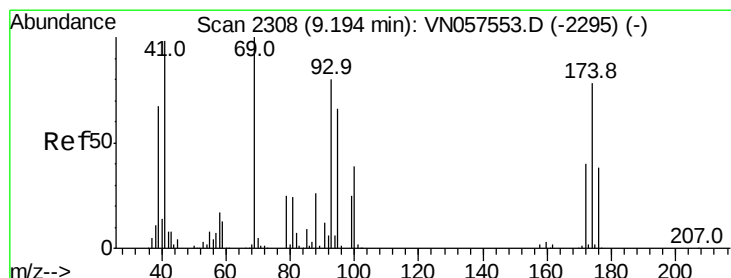
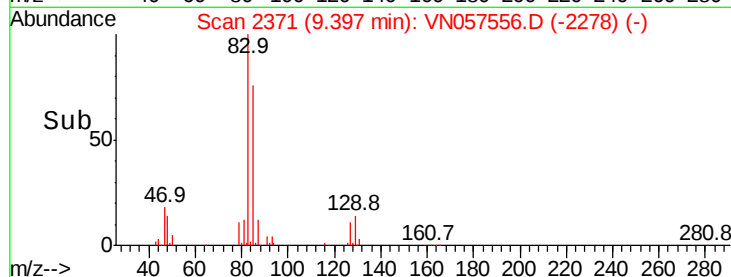
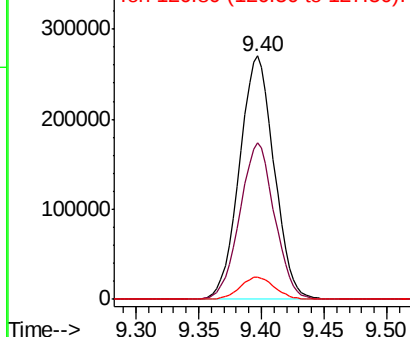
Tot Ion:	83	Resp:	518700
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.2	76.8
127	8.9	6.6	10.0

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



#48

Methyl methacrylate

Concen: 43.970 ug/l

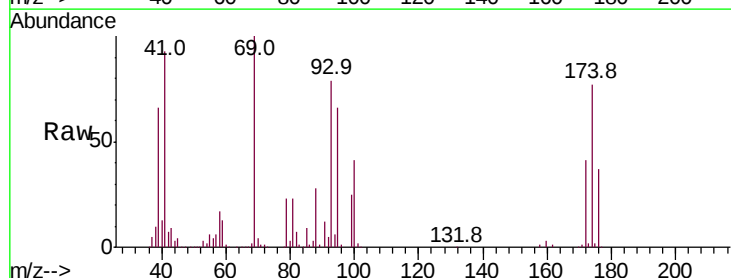
RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

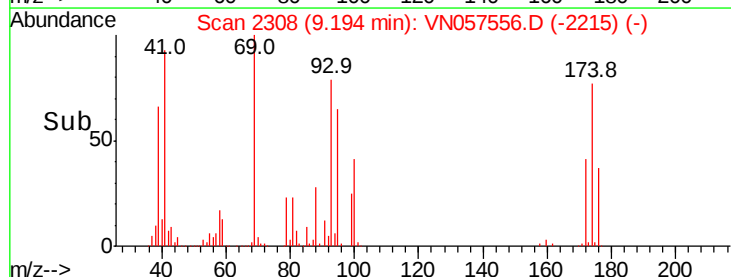
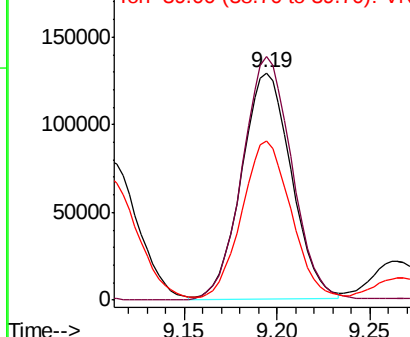
Lab File: VN057556.D

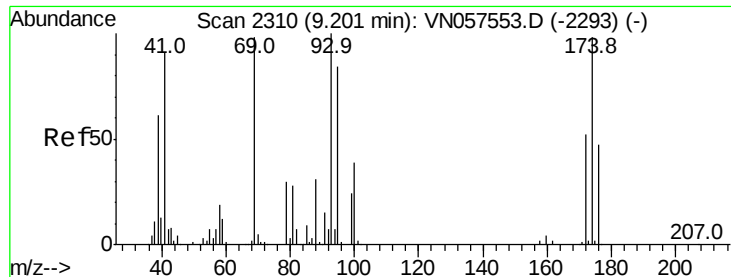
Acq: 29 Aug 2019 17:55

Tgt Ion:	41	Resp:	241911
Ion Ratio	Lower	Upper	
41	100		
69	107.2	59.3	88.9#
39	69.6	50.6	75.8



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





#49

1,4-Dioxane

Concen: 990.821 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

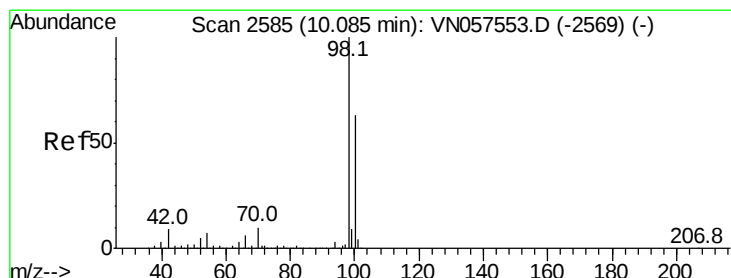
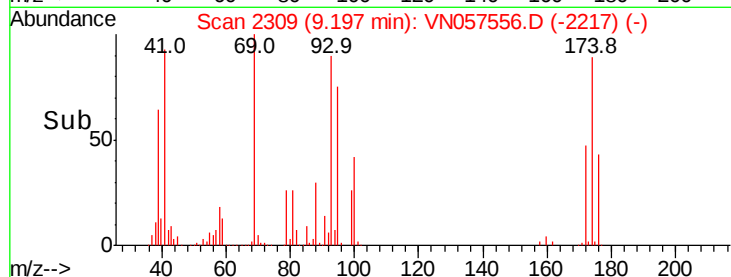
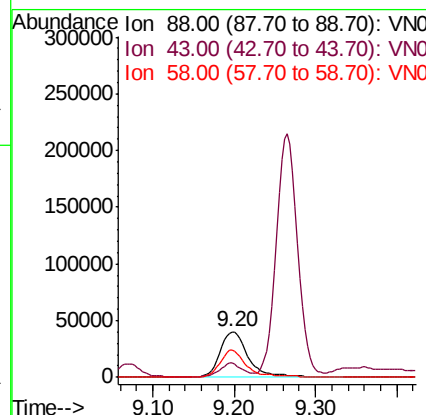
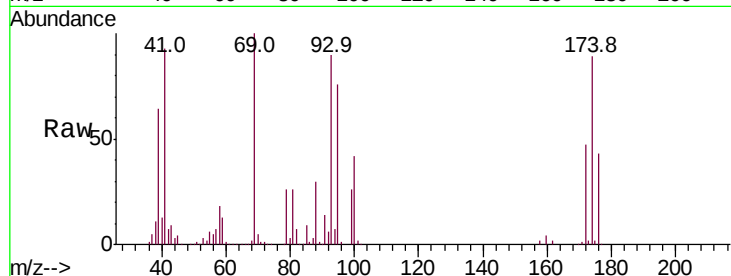
ClientSampleId :

ICVVN082919

Tot Ion:	88	Resp:	99481
Ion	Ratio	Lower	Upper
88	100		
43	24.5	31.0	46.6#
58	56.6	64.5	96.7#

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#50

Toluene-d8

Concen: 50.184 ug/l

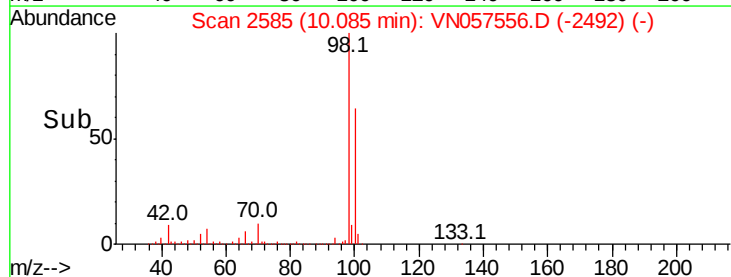
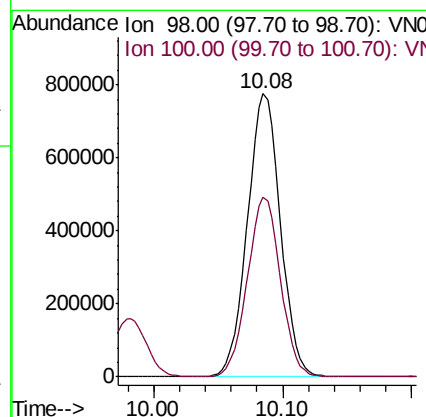
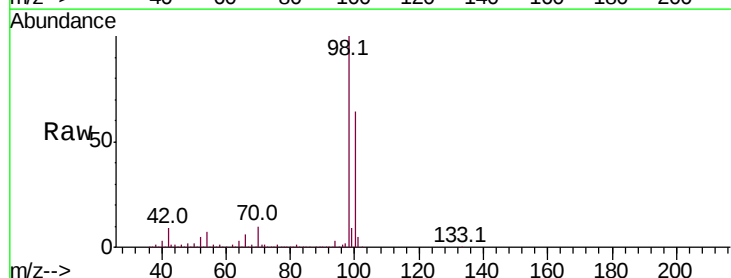
RT: 10.08 min Scan# 2585

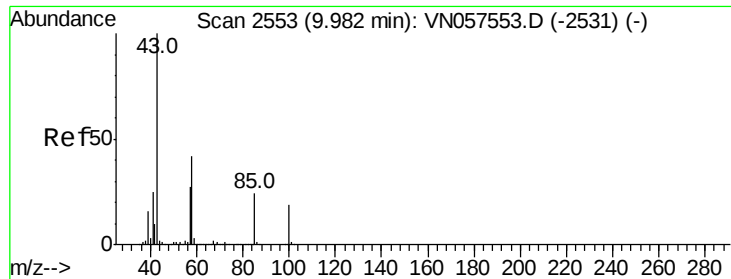
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	98	Resp:	1386366
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 237.287 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 43 Resp: 1477330

Ion Ratio Lower Upper

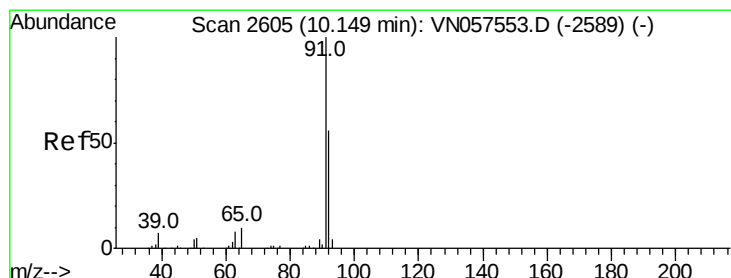
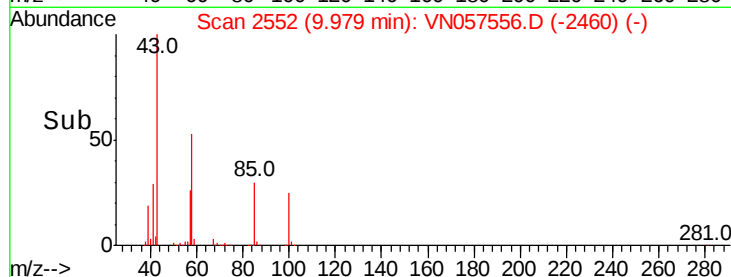
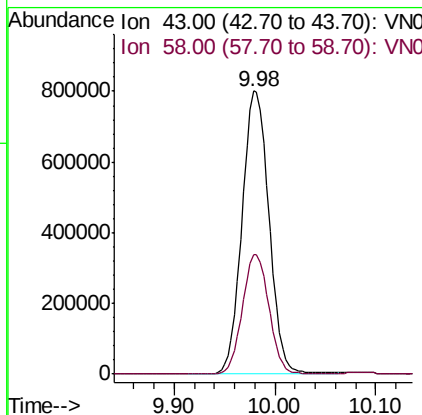
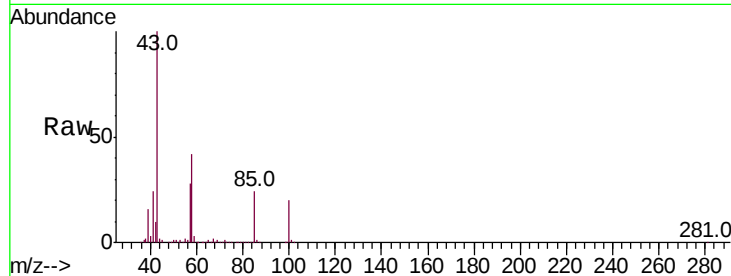
43 100

58 41.9 27.9 41.9#

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#52

Toluene

Concen: 49.007 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057556.D

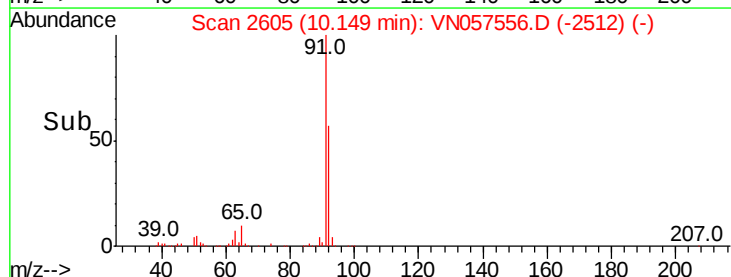
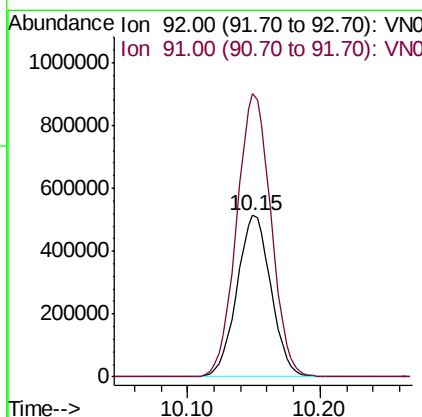
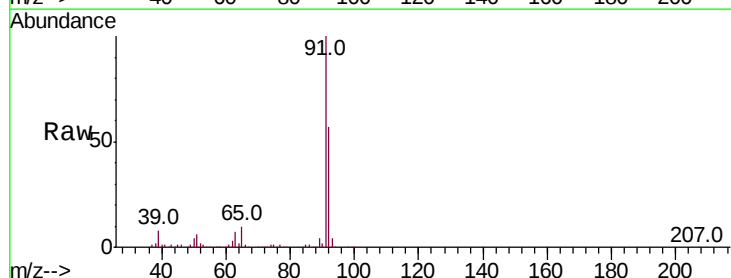
Acq: 29 Aug 2019 17:55

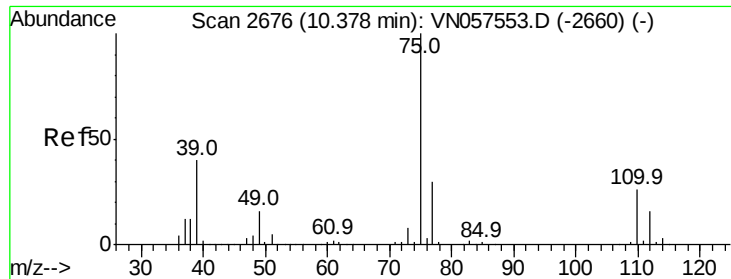
Tgt Ion: 92 Resp: 915885

Ion Ratio Lower Upper

92 100

91 176.9 140.9 211.3





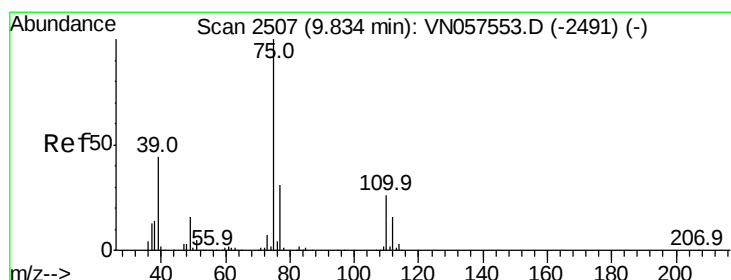
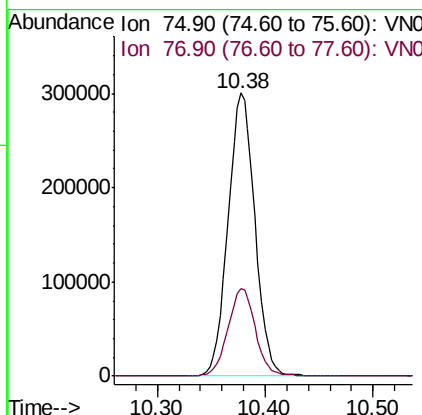
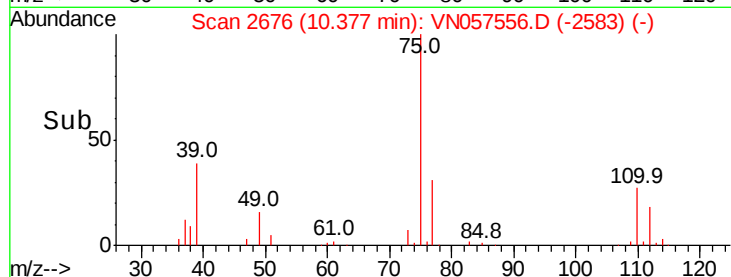
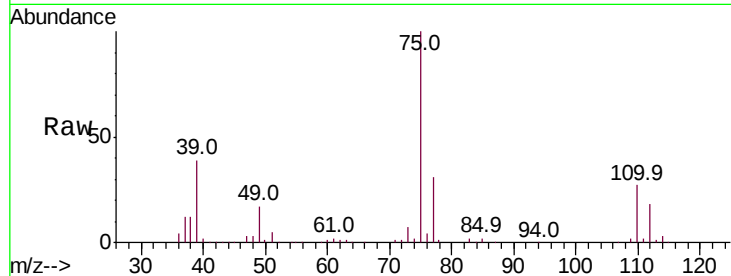
#53
t-1,3-Dichloropropene
Concen: 49.620 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion: 75 Resp: 522561
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

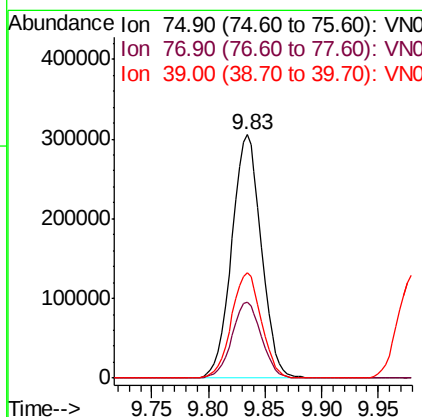
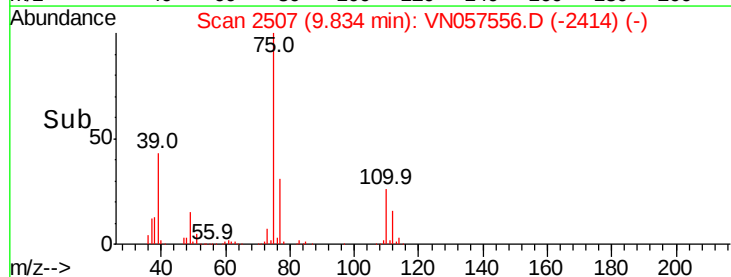
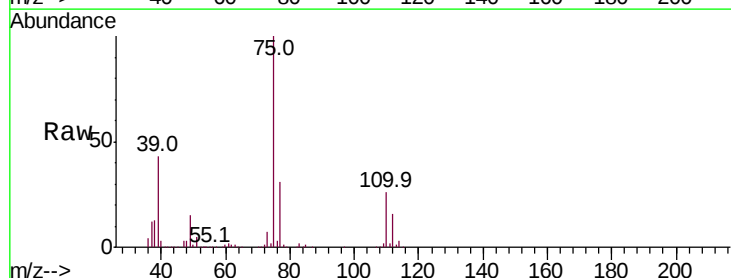
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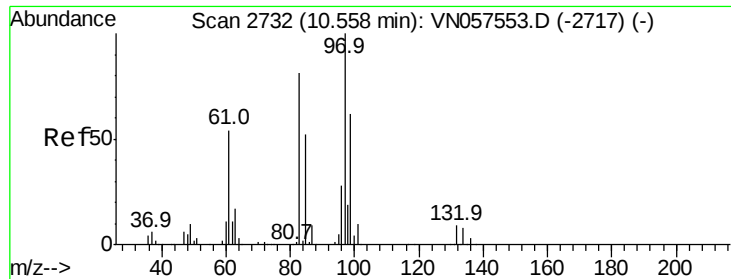
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#54
cis-1,3-Dichloropropene
Concen: 48.657 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion: 75 Resp: 555010
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6
39 43.1 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 48.330 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 97 Resp: 347380

Ion Ratio Lower Upper

97 100

83 84.1 73.7 110.5

85 53.7 46.8 70.2

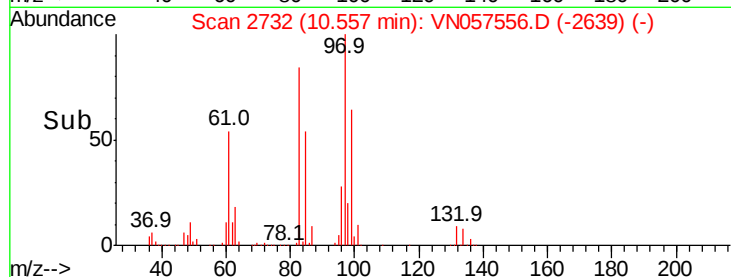
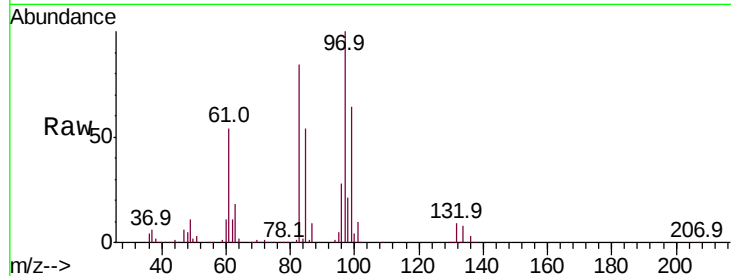
99 64.1 49.8 74.8

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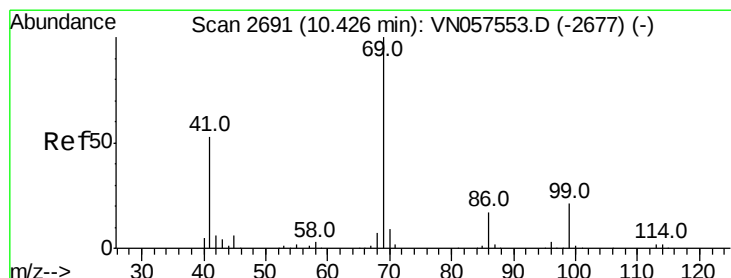
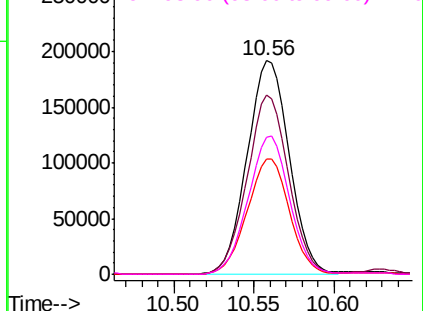


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.023 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

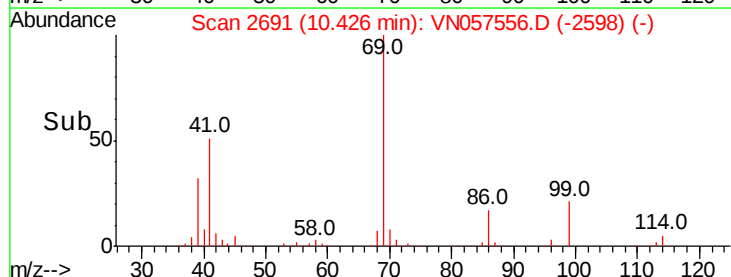
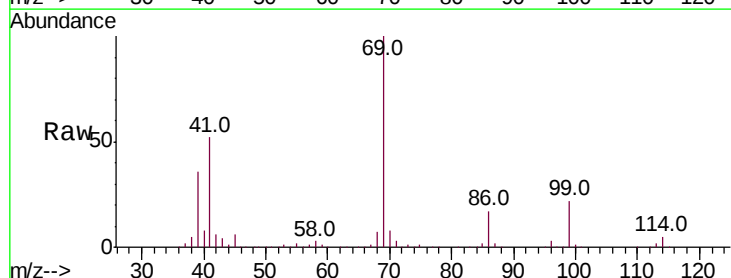
Tgt Ion: 69 Resp: 469016

Ion Ratio Lower Upper

69 100

41 52.9 60.8 91.2#

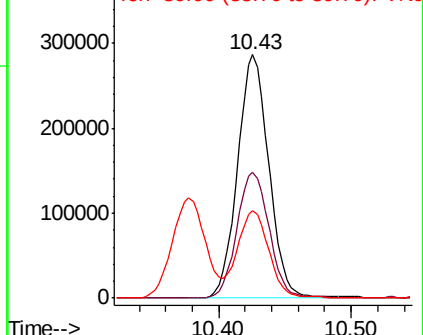
39 35.3 36.5 54.7#

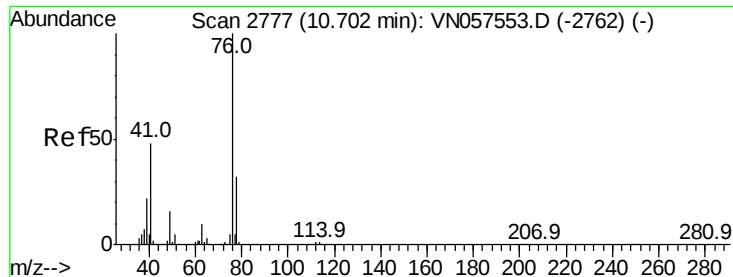


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.942 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057556.D

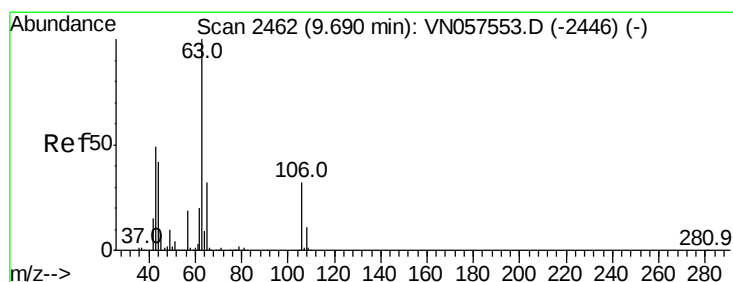
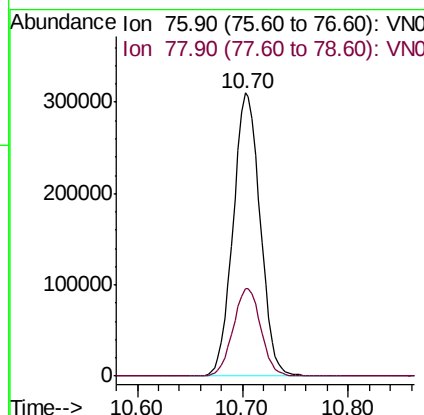
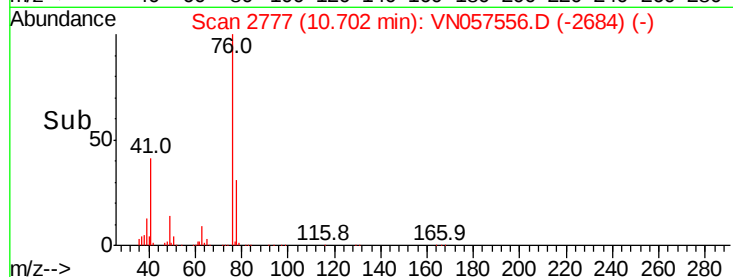
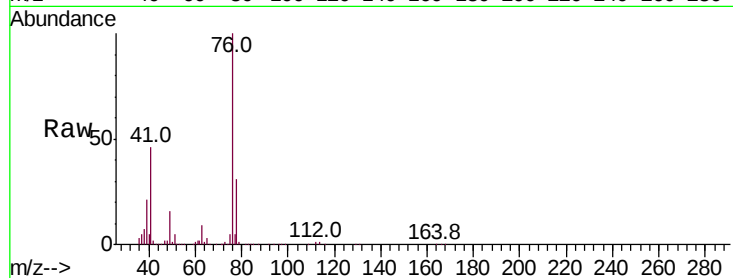
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 270.778 ug/l

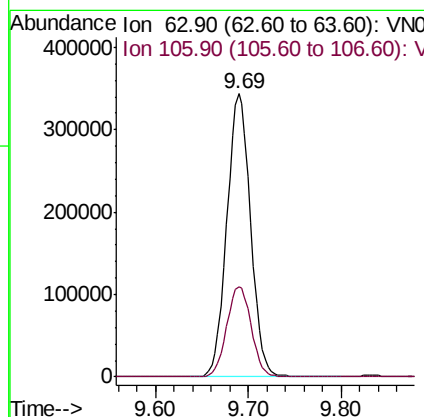
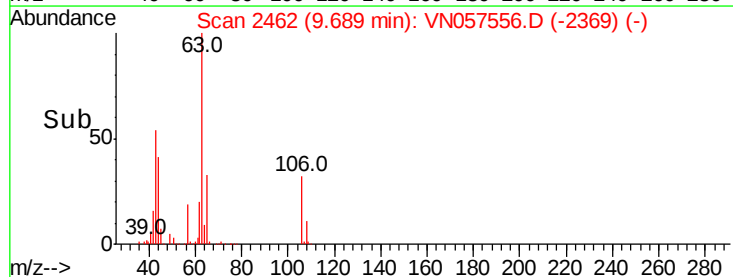
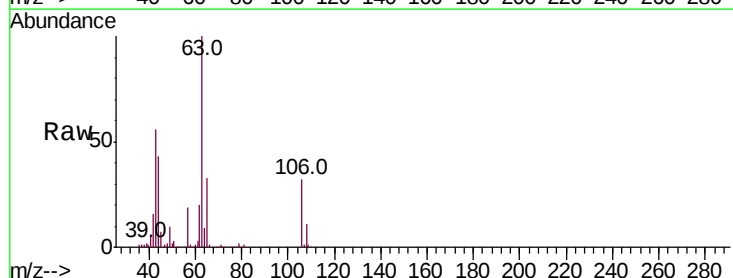
RT: 9.69 min Scan# 2462

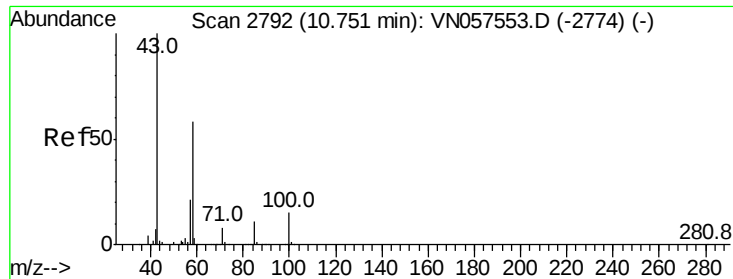
Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.9	18.6	27.8#





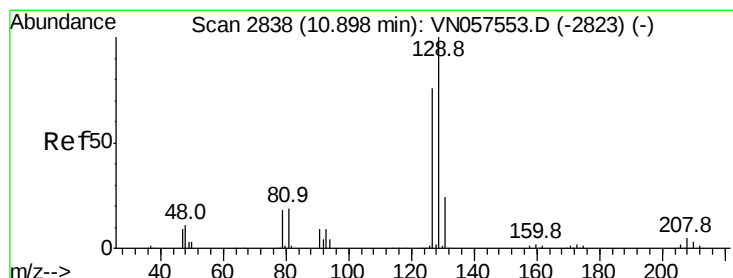
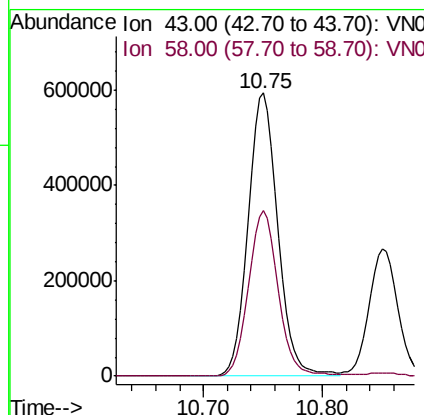
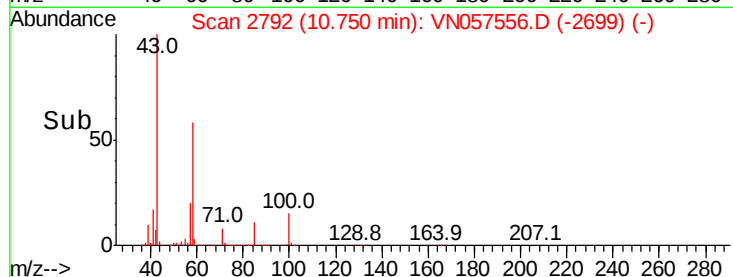
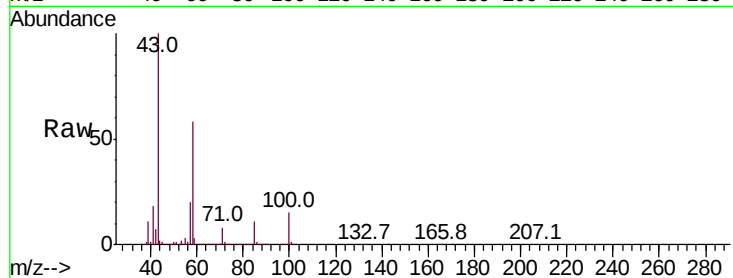
#59
2-Hexanone
Concen: 237.880 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion: 43 Resp: 1022513
Ion Ratio Lower Upper
43 100
58 59.0 24.6 73.6

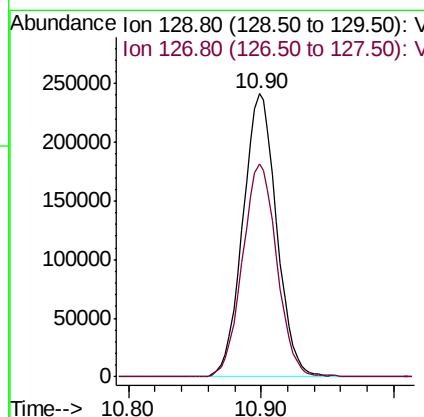
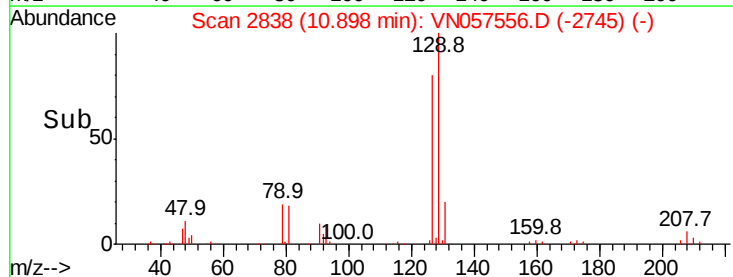
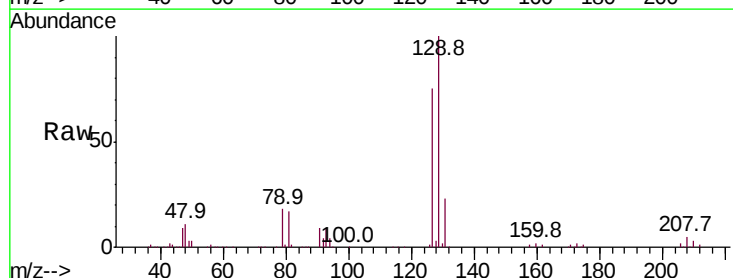
Manual Integrations
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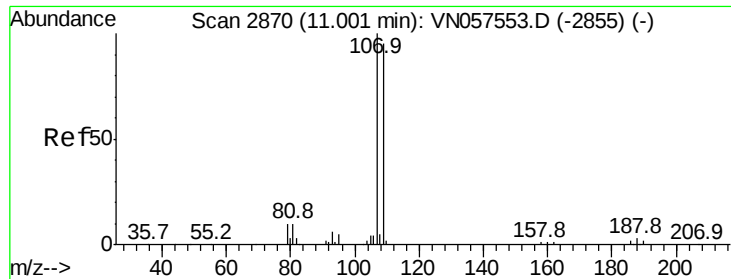
MMDadoda
9/3/2019 2:38:45 AM



#60
Dibromochloromethane
Concen: 52.019 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion: 129 Resp: 426493
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.980 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion:107 Resp: 375929

Ion Ratio Lower Upper

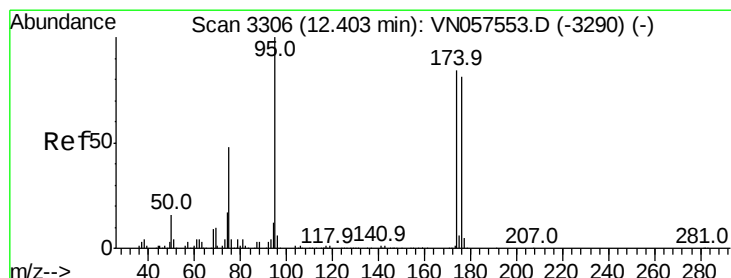
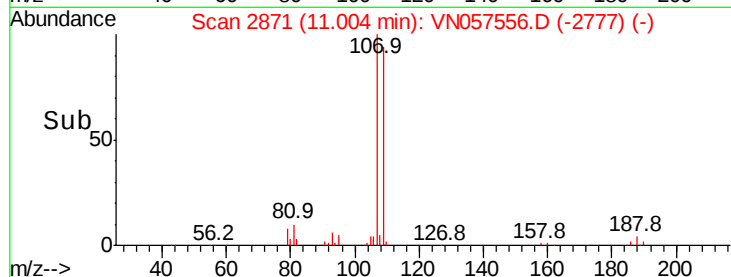
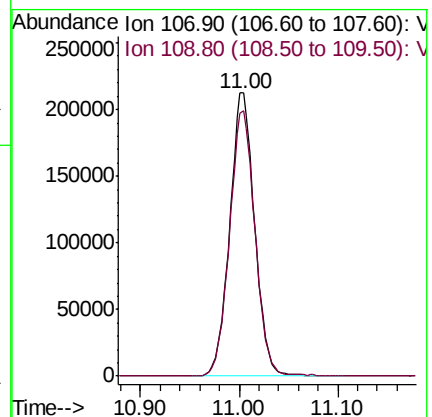
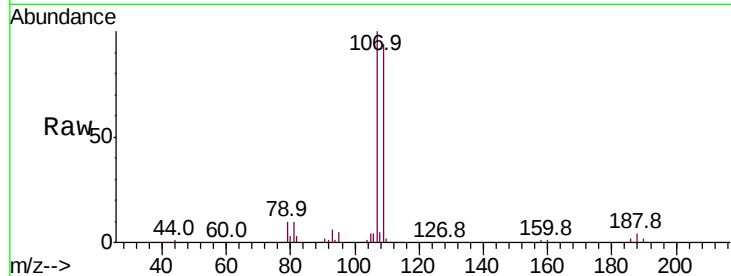
107 100

109 95.9 73.8 110.8

Manual Integrations
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MMDadoda

9/3/2019 2:38:45 AM



#62

4-Bromofluorobenzene

Concen: 50.322 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

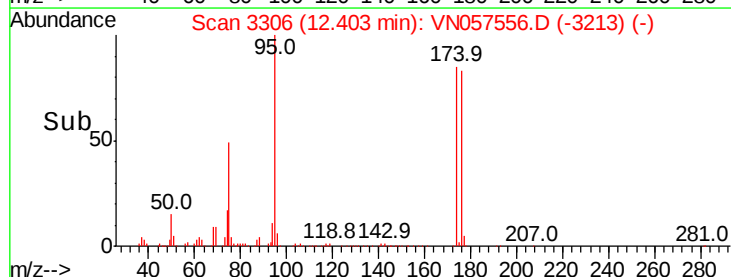
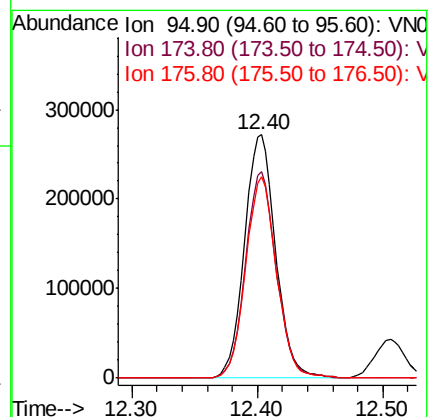
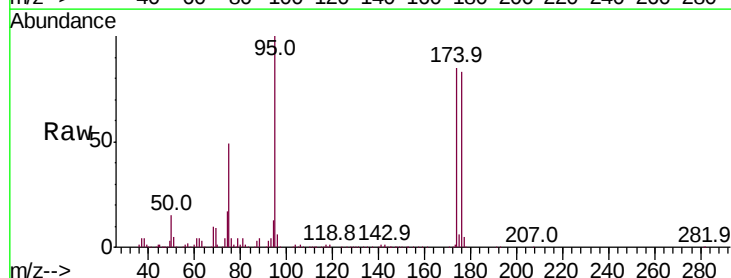
Tgt Ion: 95 Resp: 470399

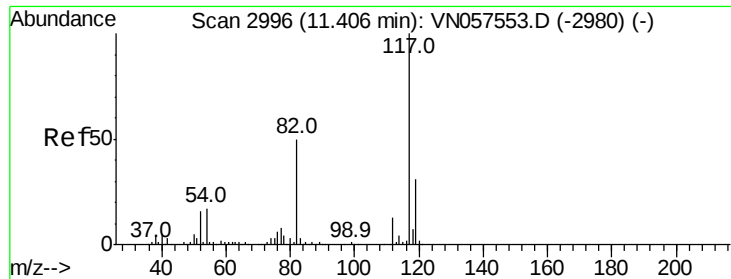
Ion Ratio Lower Upper

95 100

174 84.1 0.0 133.0

176 81.9 0.0 130.8





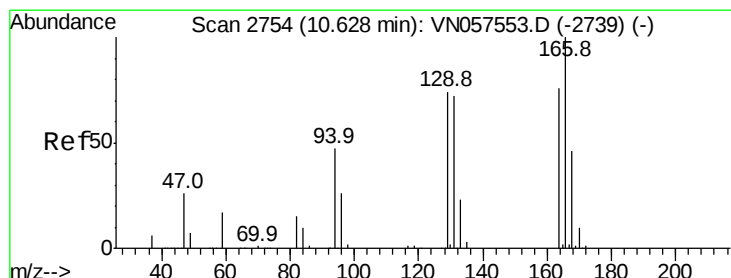
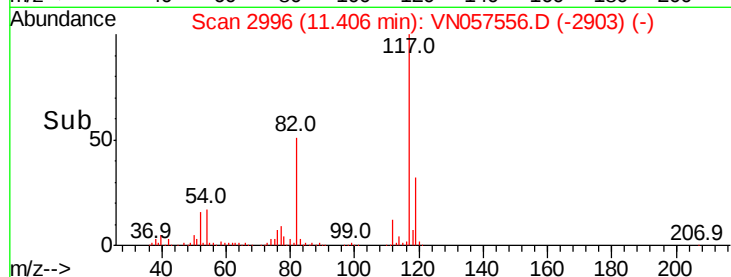
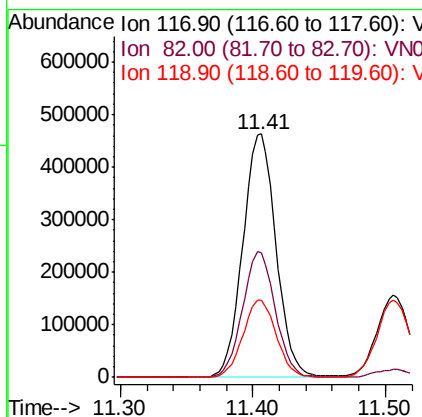
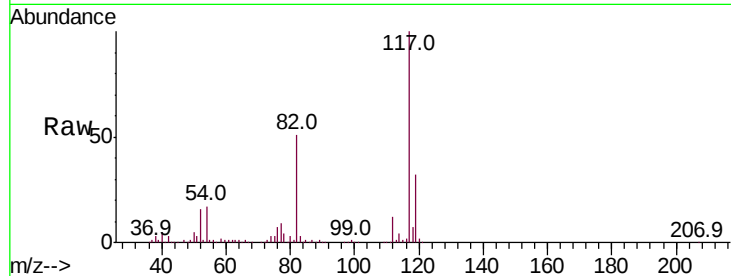
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Resp	Lower	Upper
117	100	805212		
82	51.3		50.6	75.8
119	31.6		24.6	36.8

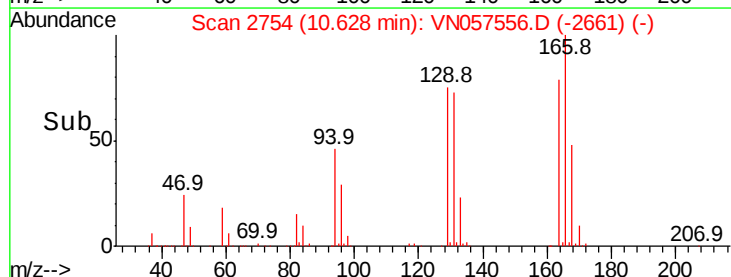
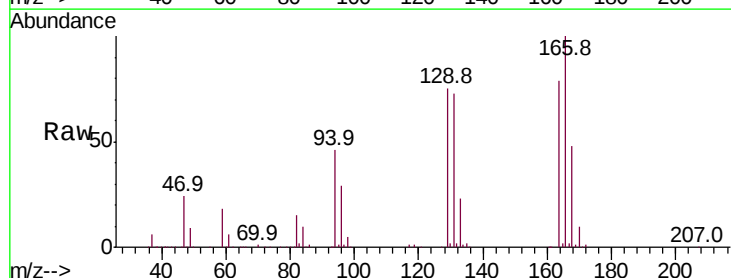
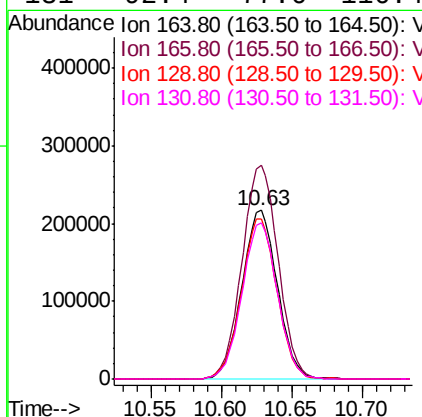
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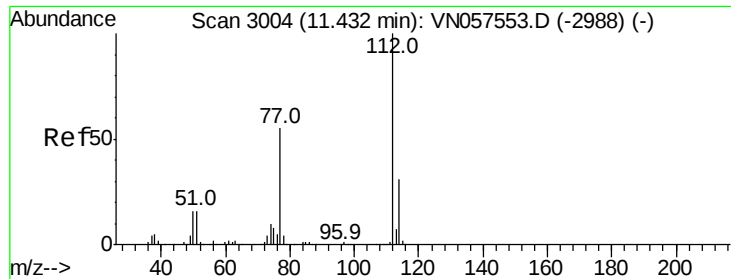
MMDadoda
9/3/2019 2:38:45 AM



#64
Tetrachloroethene
Concen: 46.338 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	383220		
166	126.5		104.4	156.6
129	94.9		86.6	130.0
131	92.4		77.6	116.4





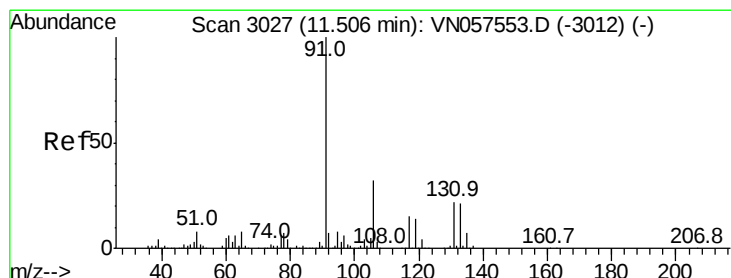
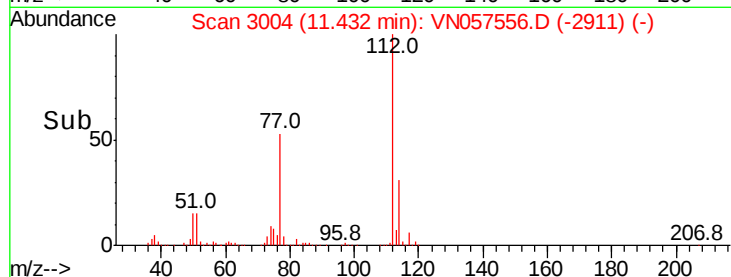
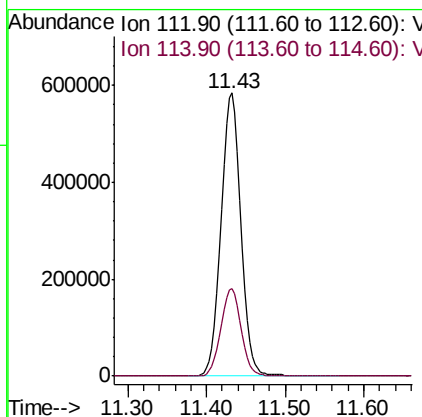
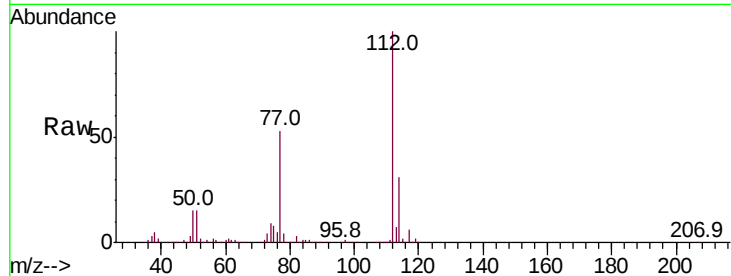
#65
Chlorobenzene
Concen: 50.082 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion:112 Resp: 1012206
Ion Ratio Lower Upper
112 100
114 30.9 24.8 37.2

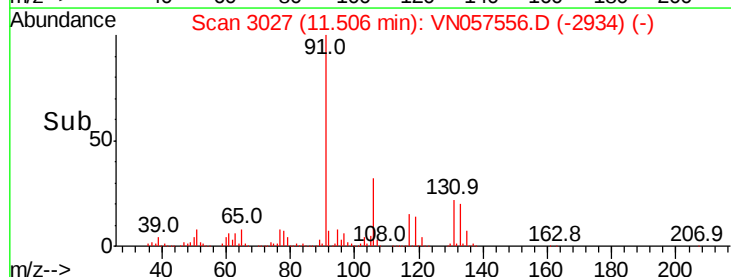
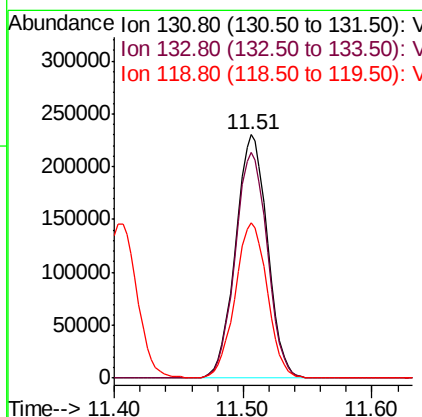
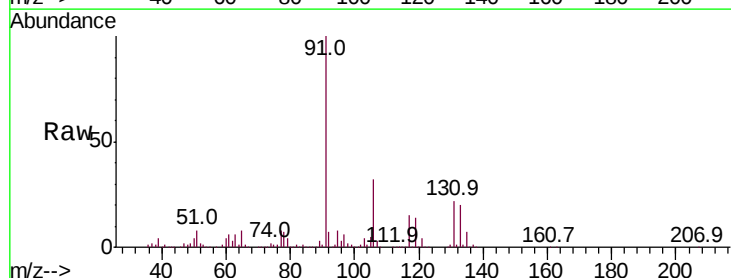
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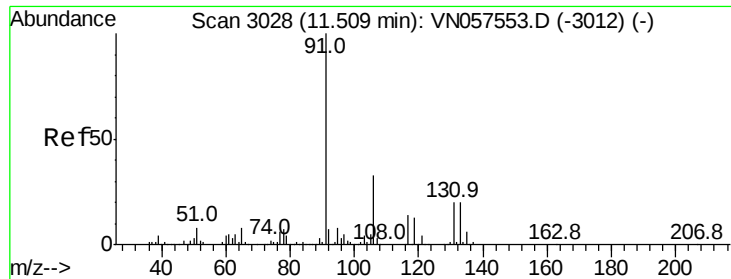
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.689 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion:131 Resp: 396064
Ion Ratio Lower Upper
131 100
133 93.8 47.6 142.8
119 64.4 34.4 103.2





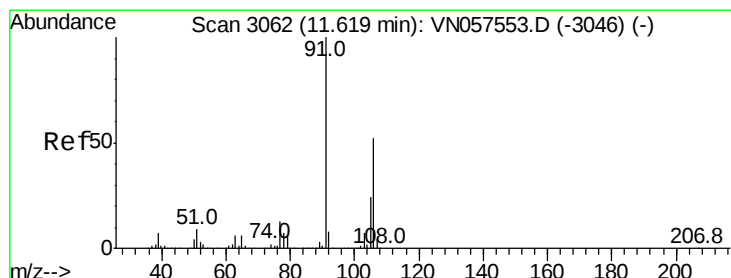
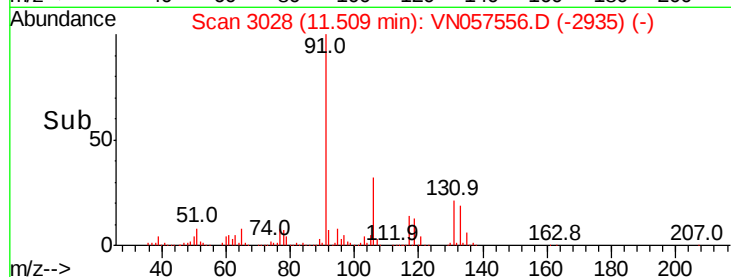
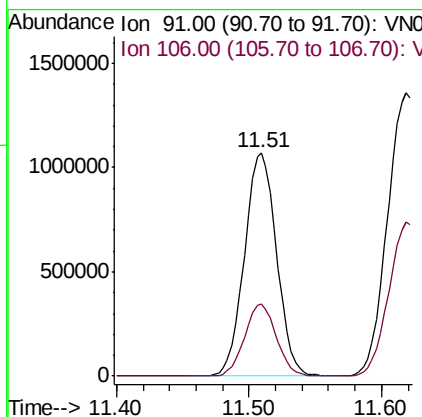
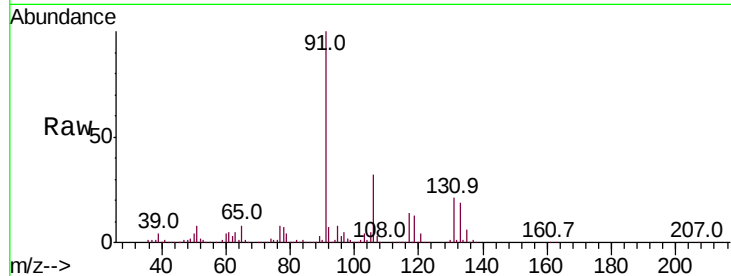
#67
Ethyl Benzene
Concen: 50.671 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion: 91 Resp: 1798435
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1

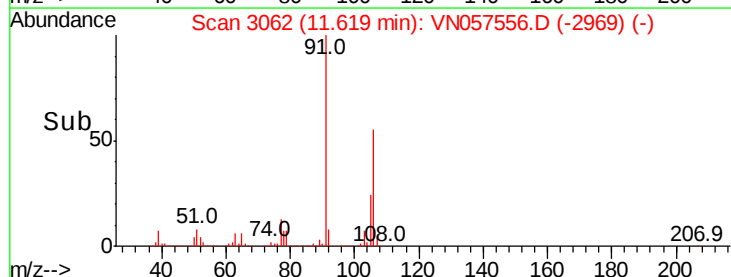
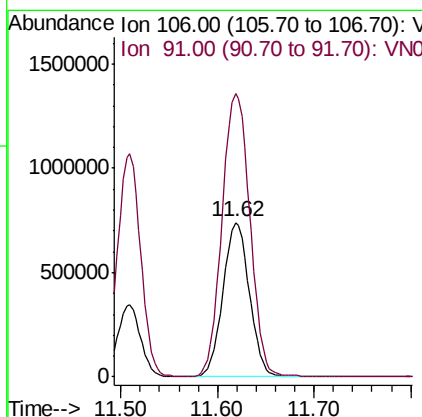
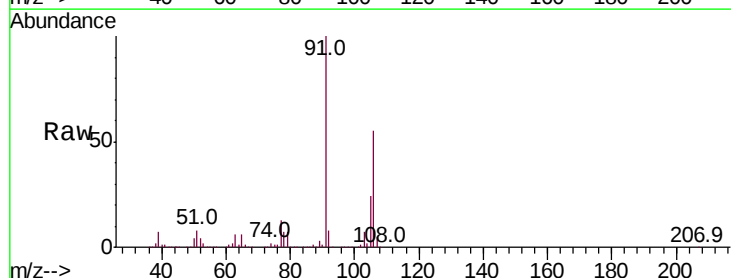
Manual Integrations
APPROVED

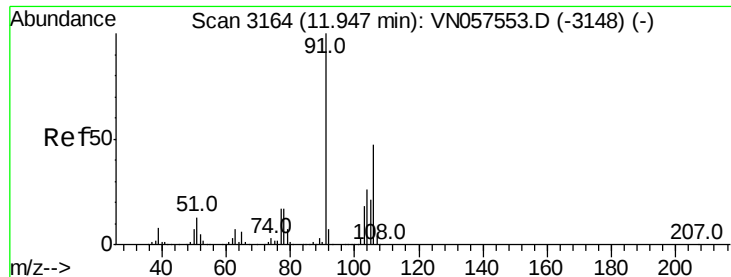
MMDadoda
9/3/2019 2:38:45 AM



#68
m/p-Xylenes
Concen: 104.352 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion:106 Resp: 1410619
Ion Ratio Lower Upper
106 100
91 193.2 171.8 257.6





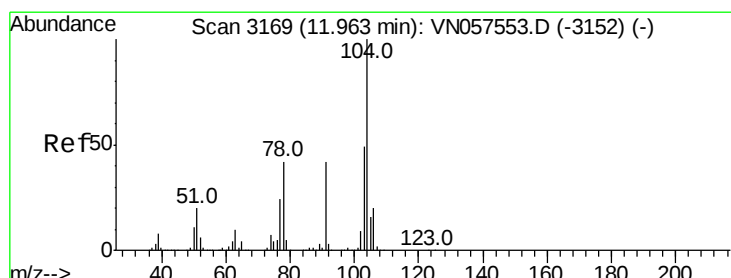
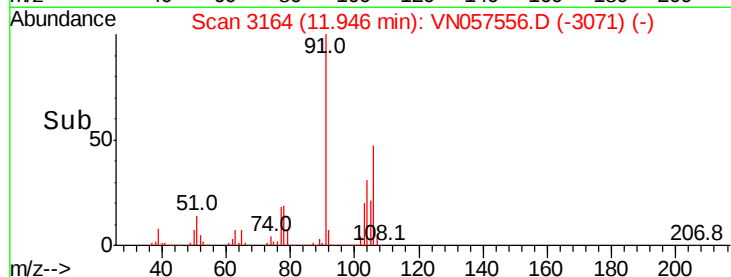
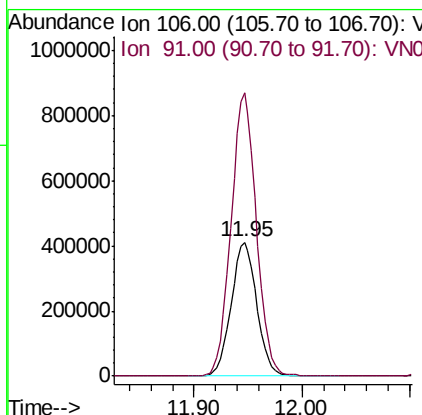
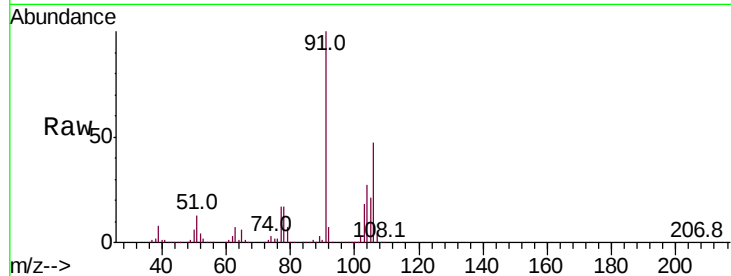
#69
o-Xylene
Concen: 49.981 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	112.3	336.9

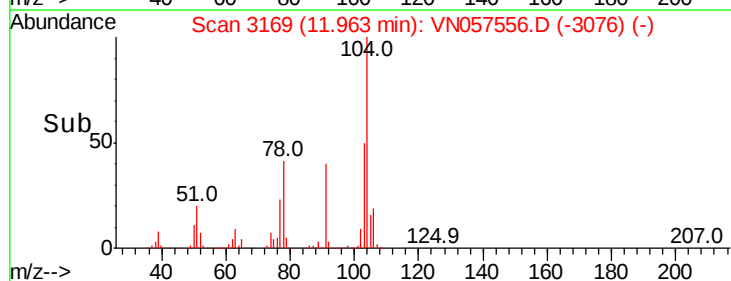
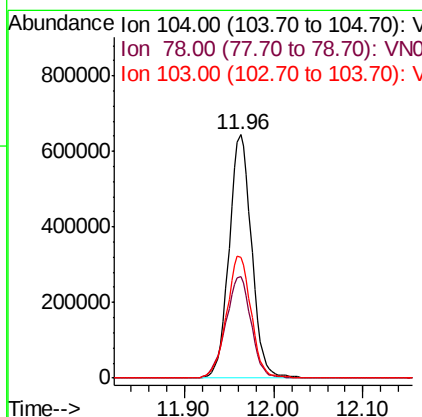
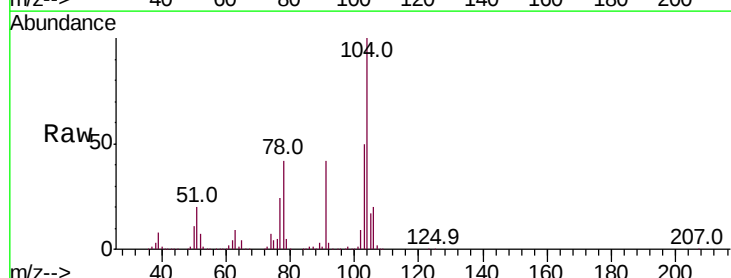
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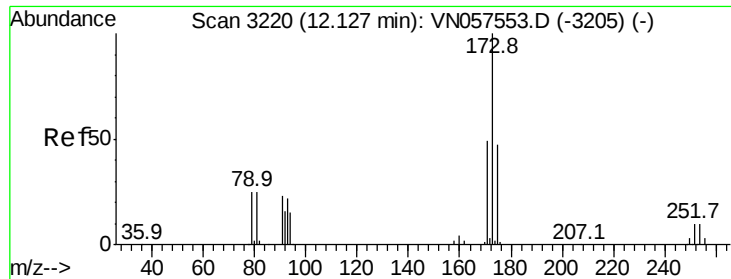
MMDadoda
9/3/2019 2:38:45 AM



#70
Styrene
Concen: 54.912 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	44.7	67.1
103	54.5	44.4	66.6





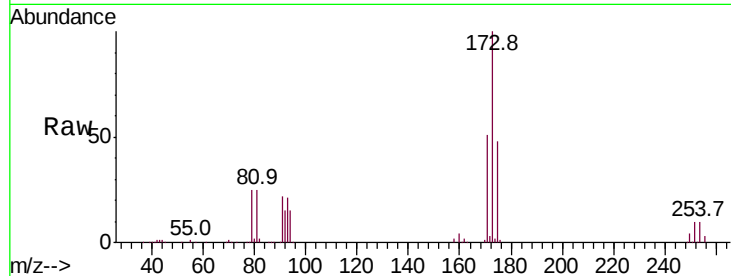
#71
Bromoform
Concen: 52.684 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082919

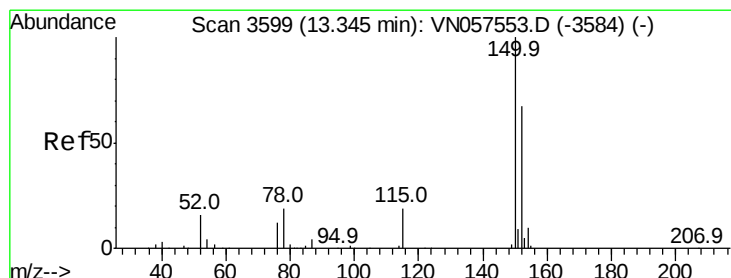
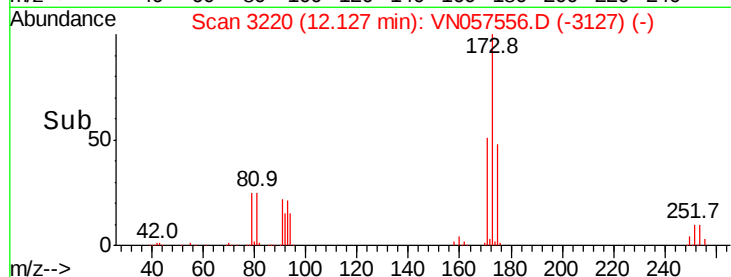
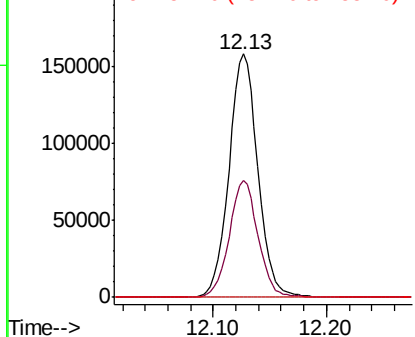
Tot Ion	Ratio	Resp	Lower	Upper
173	100	280320		
175	47.8	23.9	71.8	
254	0.0	0.1	0.1#	

Manual Integrations
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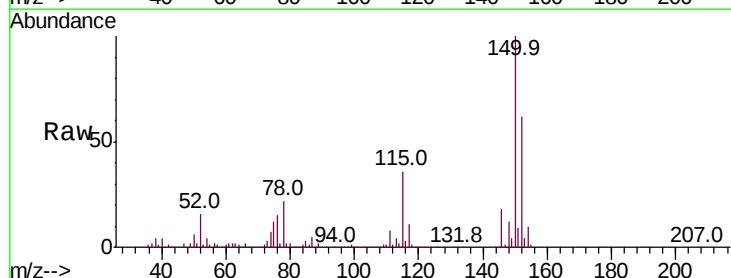


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

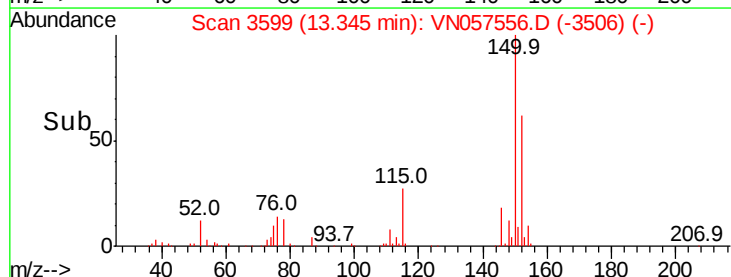
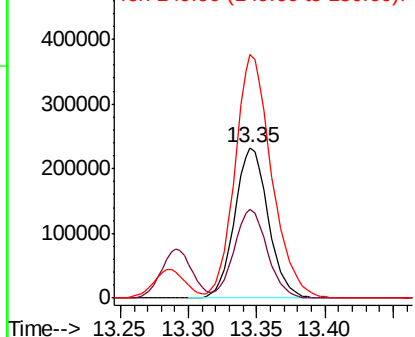


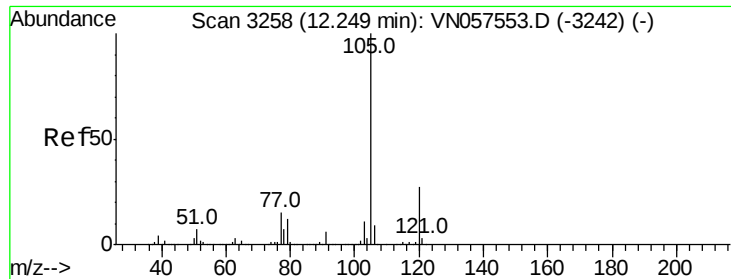
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	396421		
115	58.4	32.0	96.0	
150	177.0	0.0	346.6	



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: 49.718 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion:105 Resp: 1828745

Ion Ratio Lower Upper

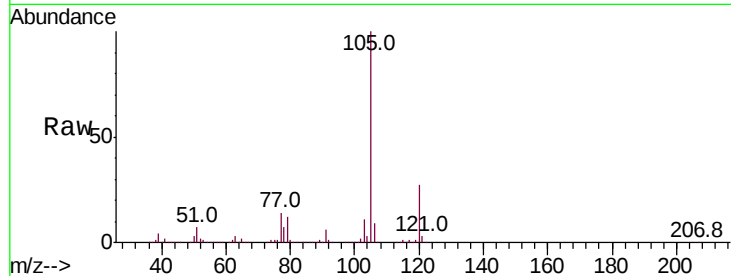
105 100

120 26.7 12.7 38.0

Manual Integrations
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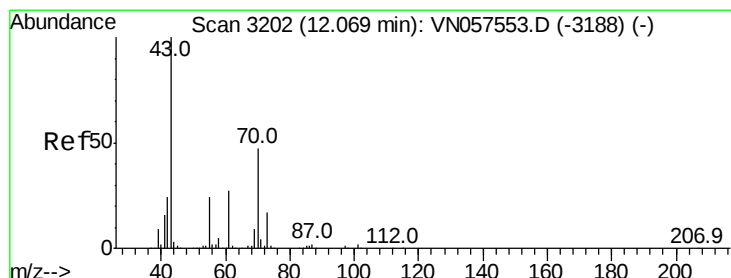
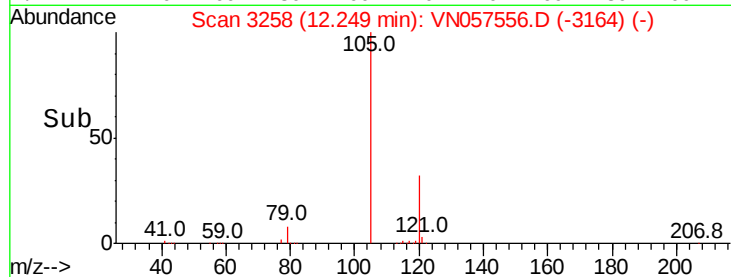
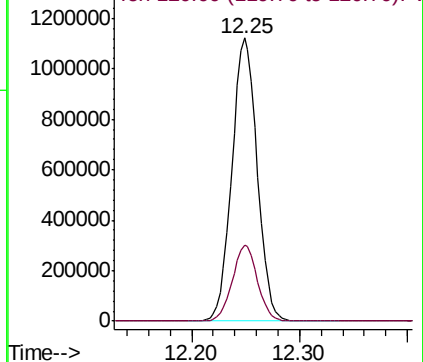
MMDadoda

9/3/2019 2:38:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.762 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion: 43 Resp: 453360

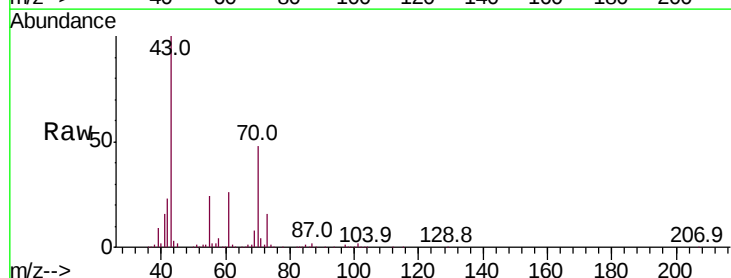
Ion Ratio Lower Upper

43 100

70 49.3 27.8 41.6#

55 24.8 17.0 25.4

61 26.3 17.0 25.6#

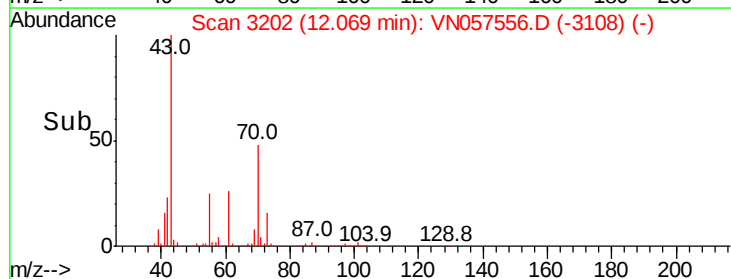
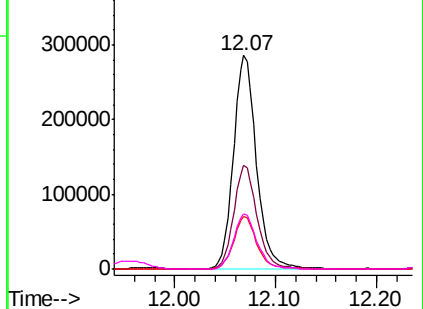


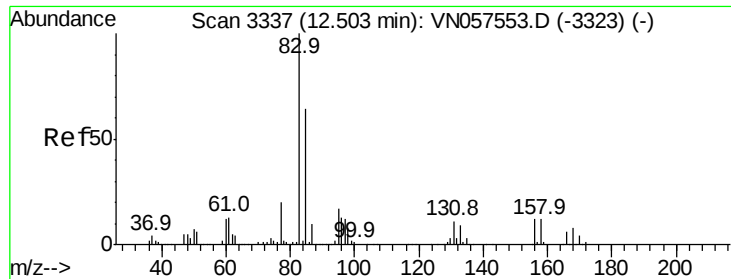
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.704 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

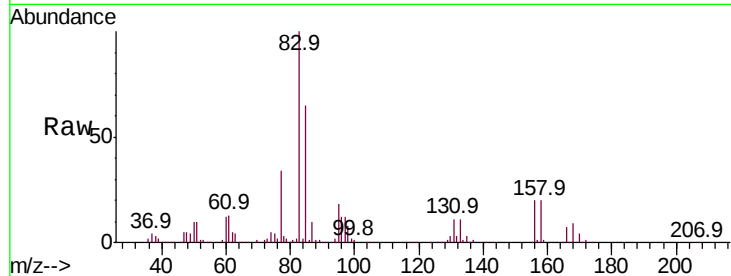
ClientSampleId :

ICVVN082919

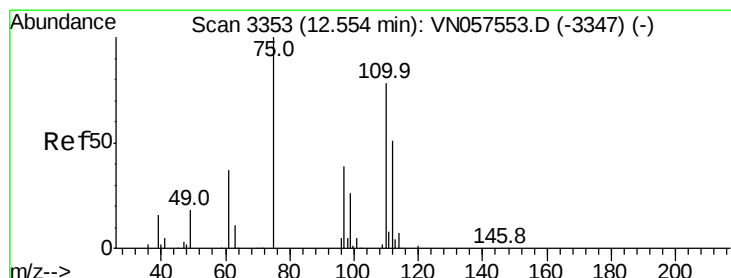
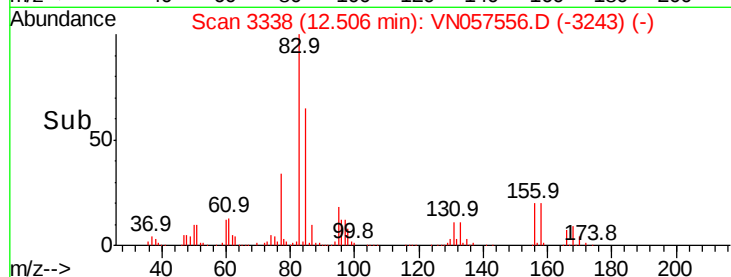
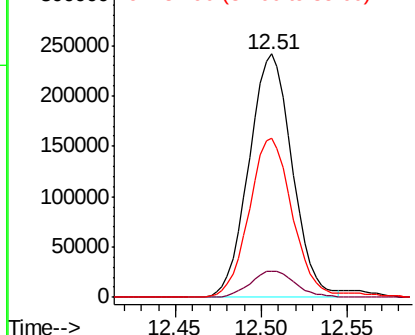
Tot Ion:	83	Resp:	420765
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.3	13.1
85	65.0	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.532 ug/l m

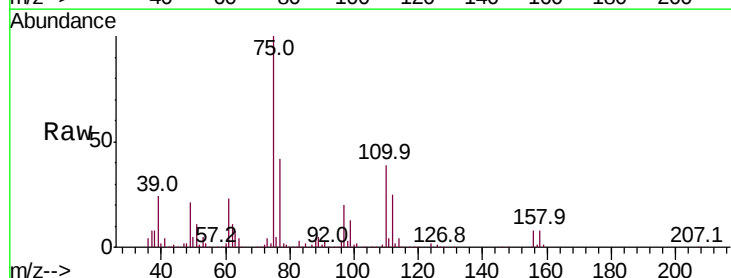
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

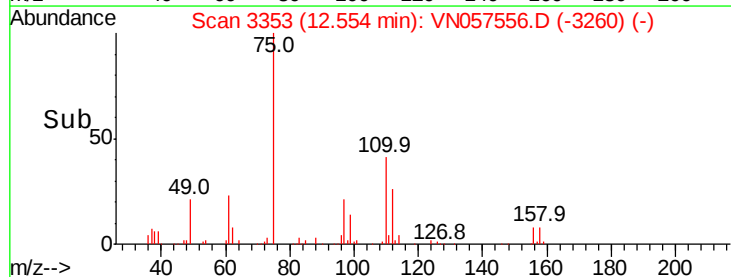
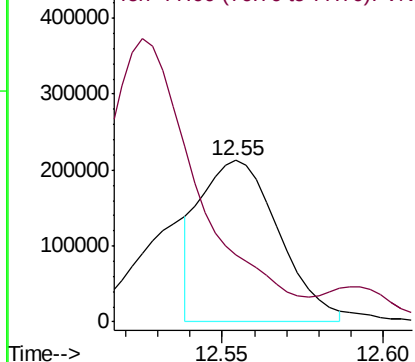
Lab File: VN057556.D

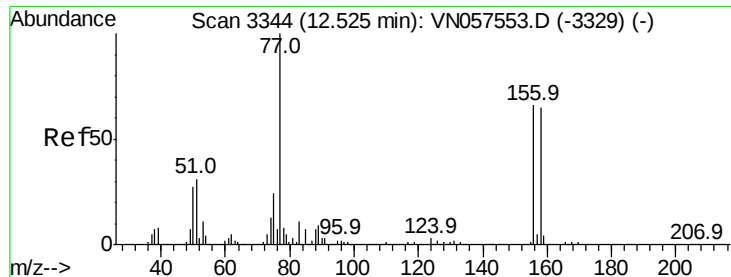
Acq: 29 Aug 2019 17:55

Tgt Ion:	75	Resp:	361409
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.445 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

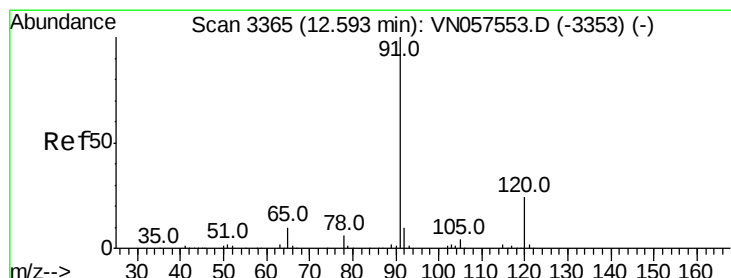
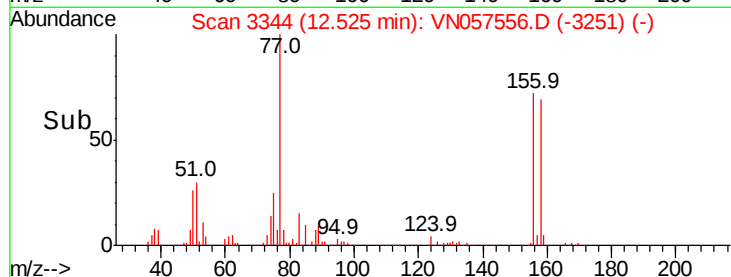
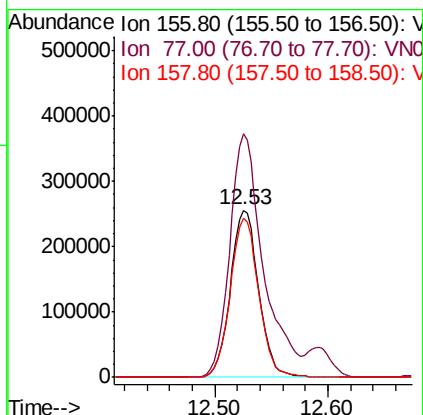
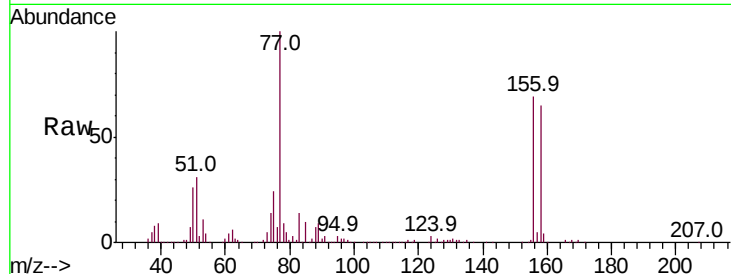
ClientSampleId :

ICVVN082919

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.2	124.4	373.3
158	95.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.814 ug/l

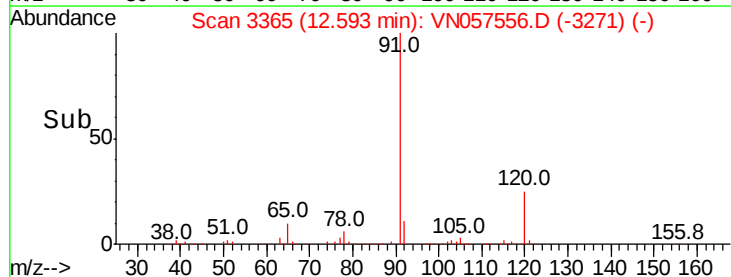
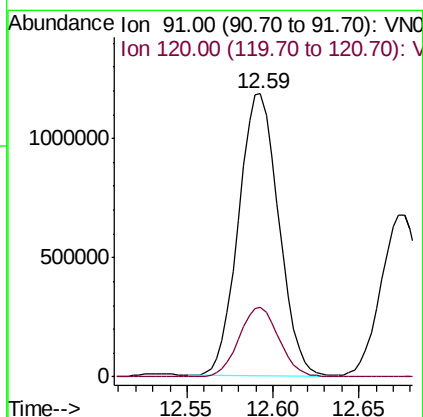
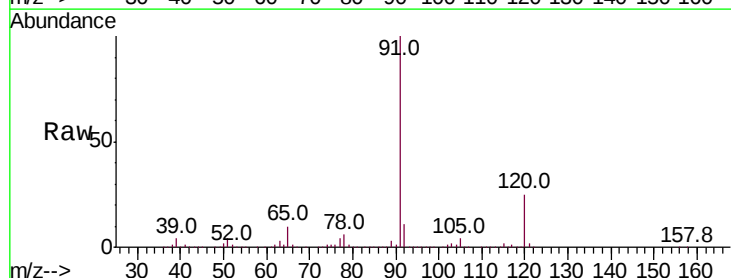
RT: 12.59 min Scan# 3365

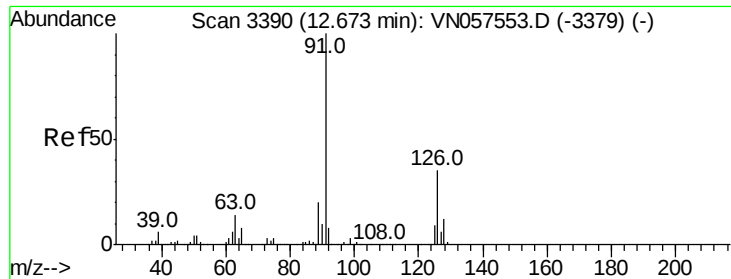
Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	10.7	32.1





#79

2-Chlorotoluene

Concen: 43.773 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion: 91 Resp: 1142629

Ion Ratio Lower Upper

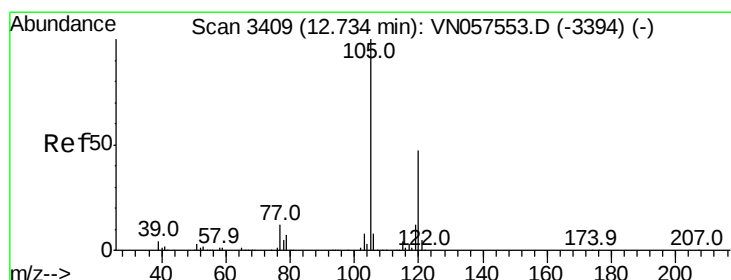
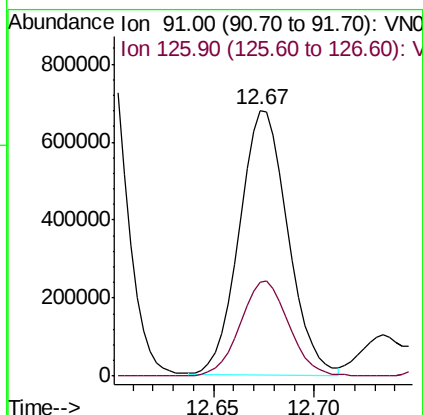
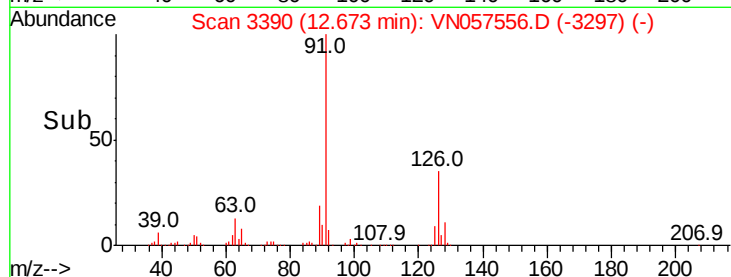
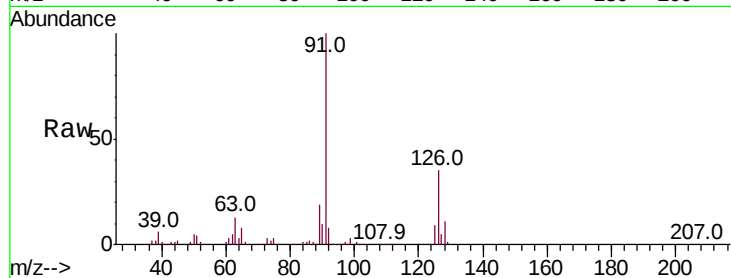
91 100

126 36.2 15.3 45.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 46.534 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057556.D

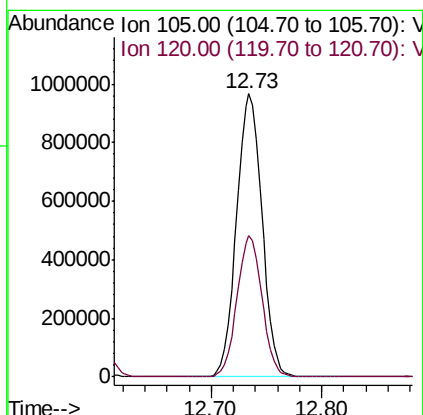
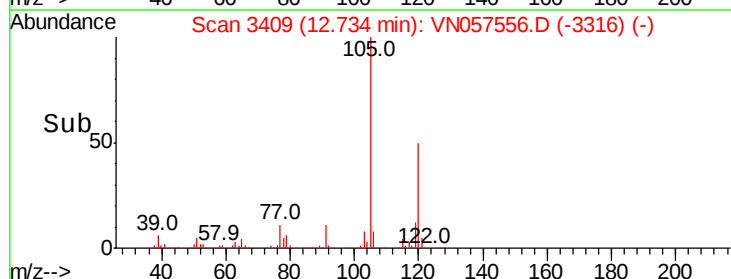
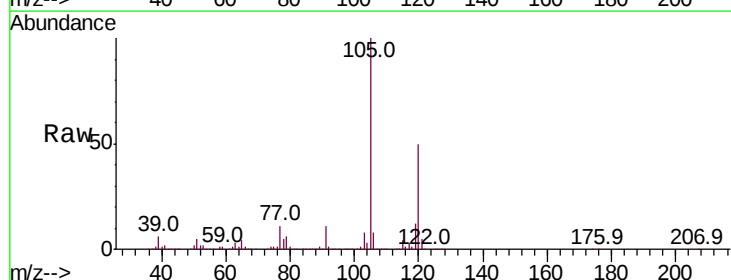
Acq: 29 Aug 2019 17:55

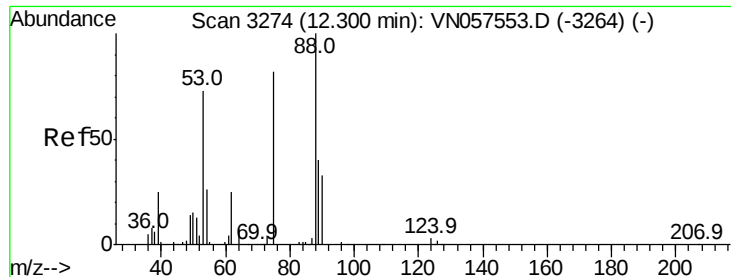
Tgt Ion: 105 Resp: 1544726

Ion Ratio Lower Upper

105 100

120 49.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.197 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

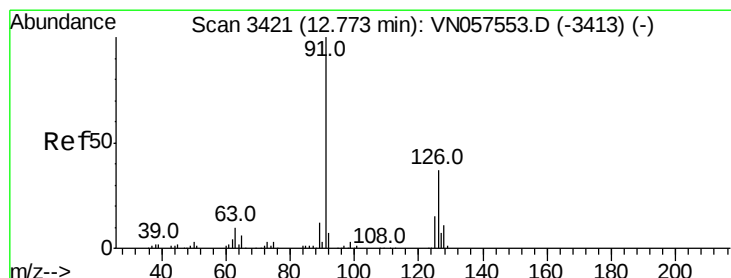
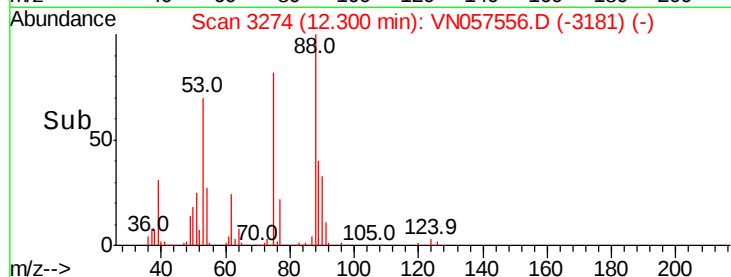
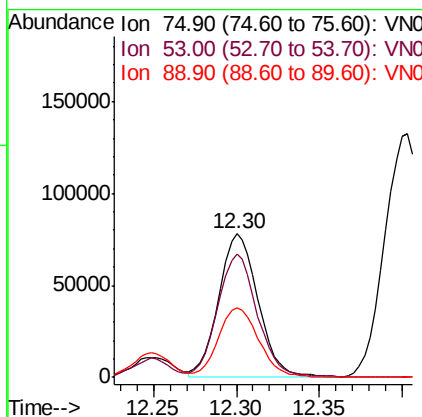
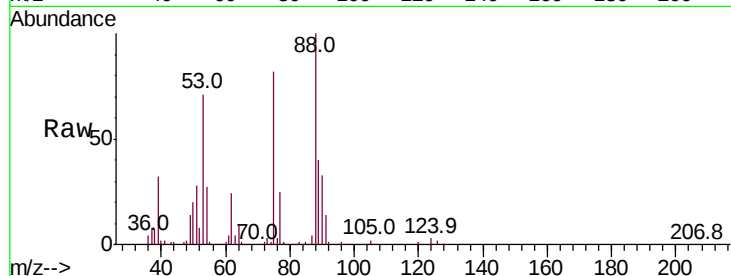
ClientSampleId :

ICVVN082919

Tot Ion:	75	Resp:	127067
Ion	Ratio	Lower	Upper
75	100		
53	88.4	82.7	124.1
89	50.9	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.527 ug/l

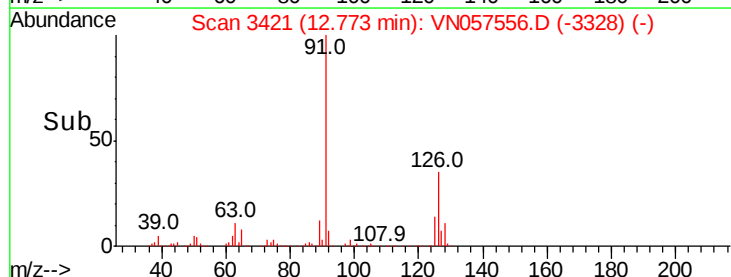
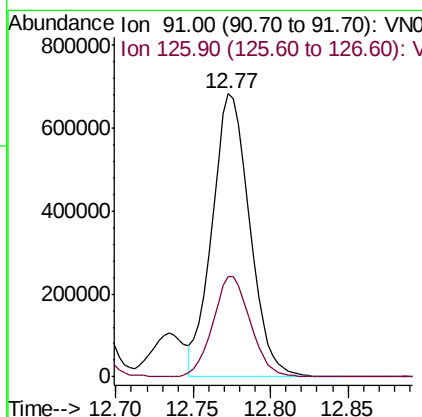
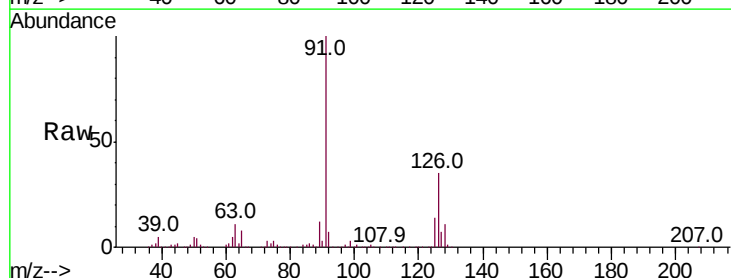
RT: 12.77 min Scan# 3421

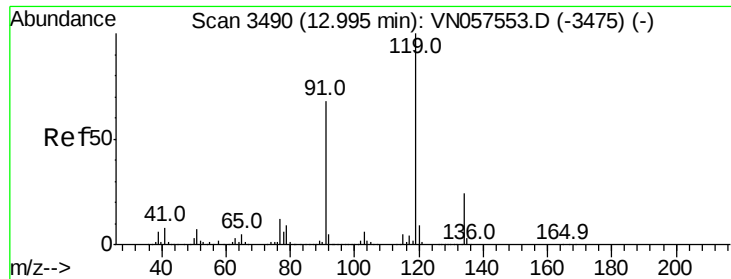
Delta R.T. -0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	91	Resp:	1151065
Ion	Ratio	Lower	Upper
91	100		
126	35.6	15.0	45.0





#83

tert-Butylbenzene

Concen: 54.816 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion:119 Resp: 1375533

Ion Ratio Lower Upper

119 100

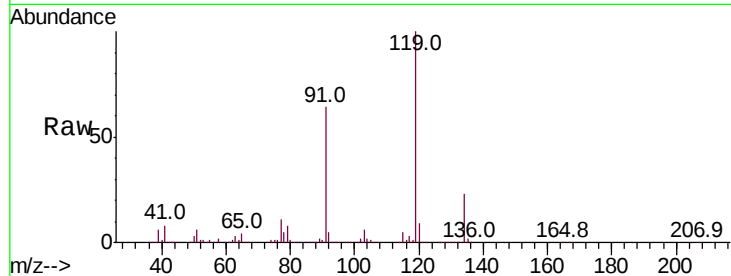
91 63.3 37.0 111.0

134 24.8 12.2 36.6

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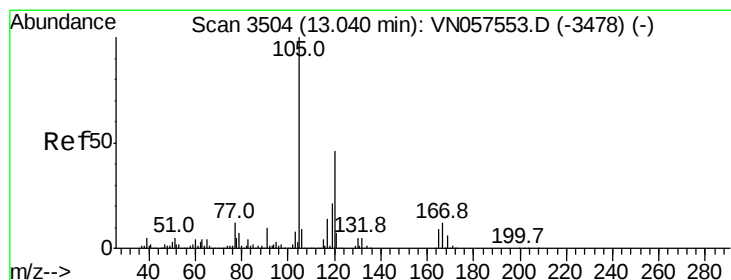
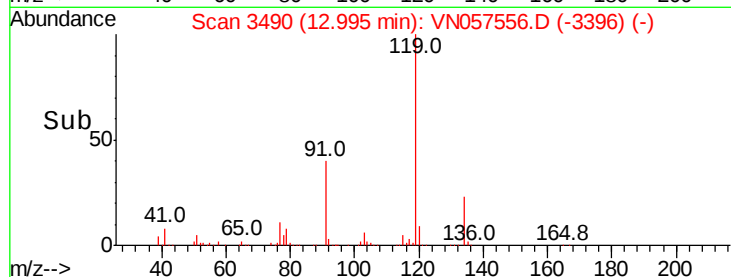
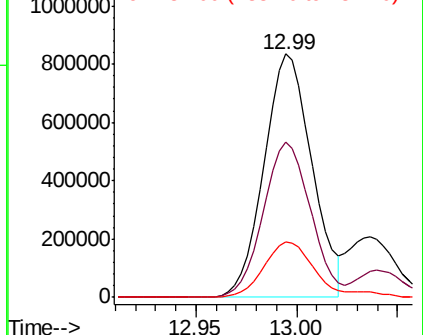
9/3/2019 2:38:45 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.161 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057556.D

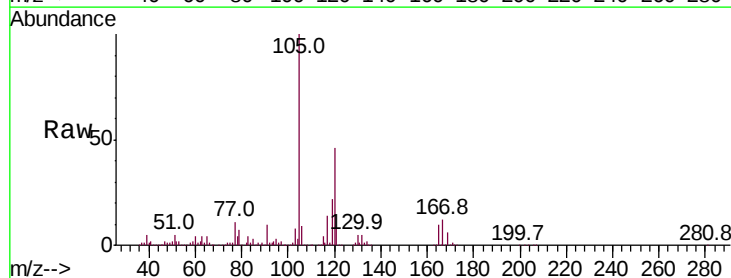
Acq: 29 Aug 2019 17:55

Tgt Ion:105 Resp: 1522968

Ion Ratio Lower Upper

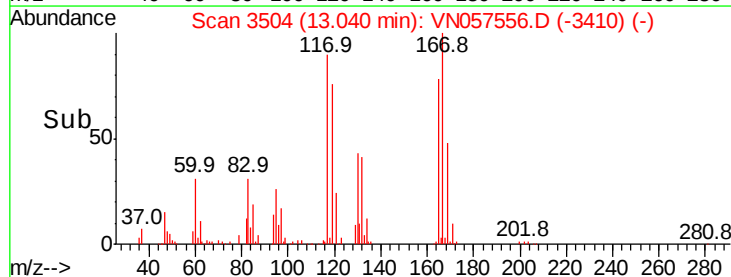
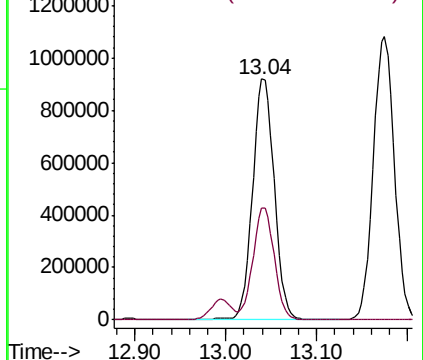
105 100

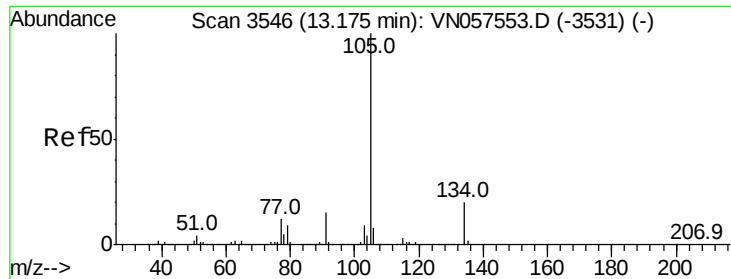
120 45.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.603 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082919

Tot Ion:105 Resp: 1736934

Ion Ratio Lower Upper

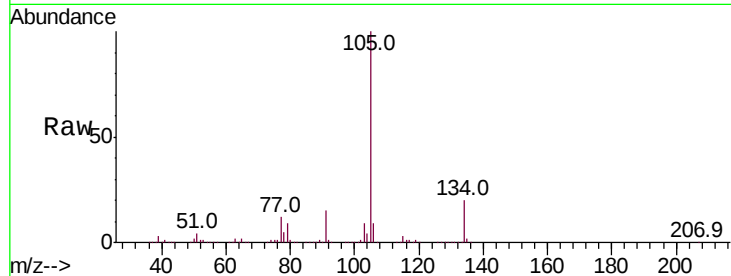
105 100

134 20.2 9.3 27.9

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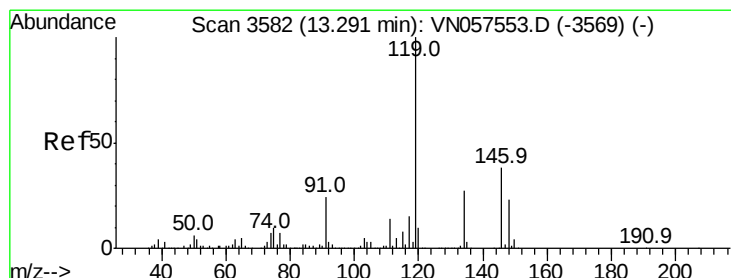
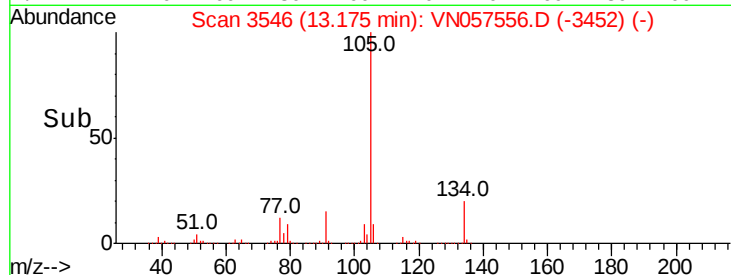
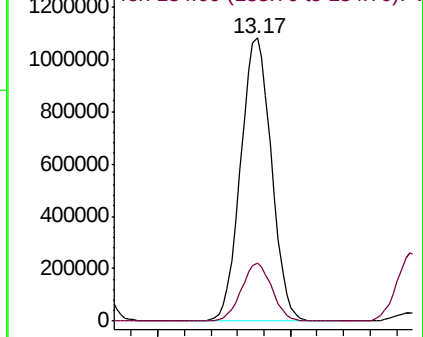
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.511 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

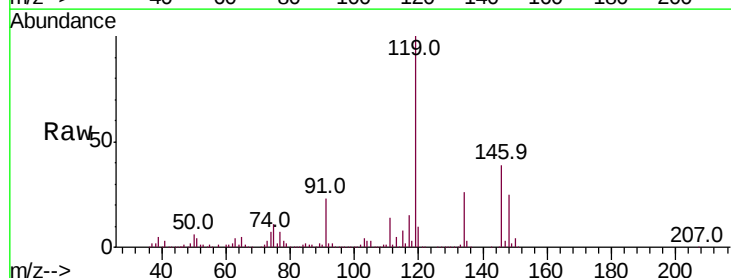
Tgt Ion:119 Resp: 1584138

Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.1

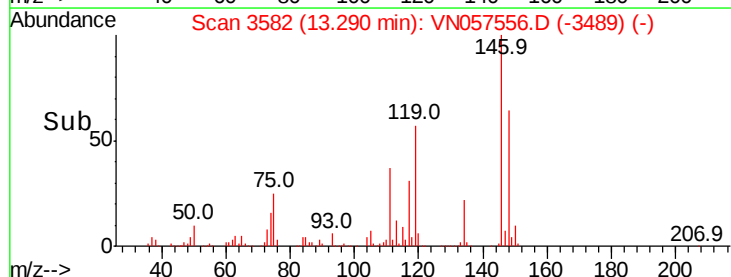
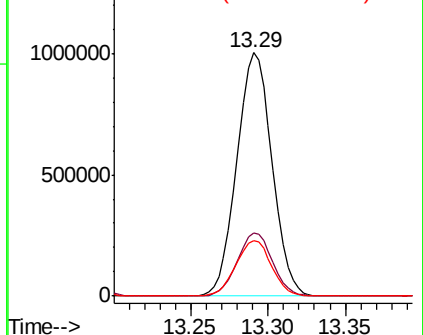
91 23.0 13.9 41.6

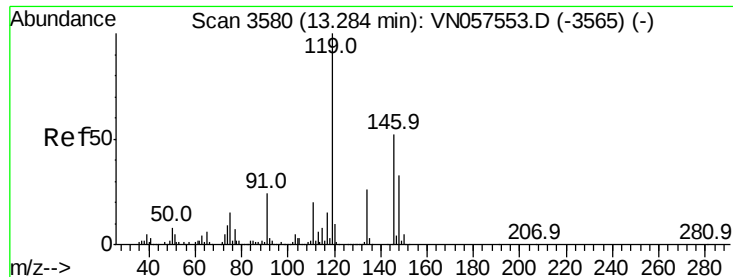


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





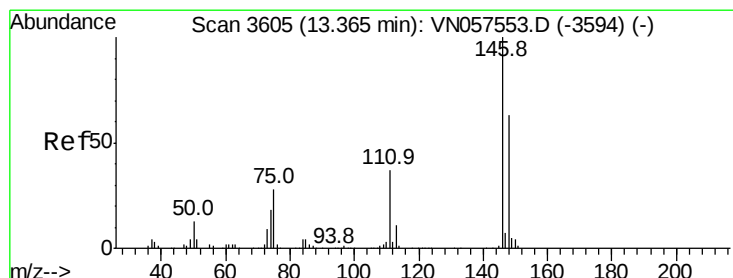
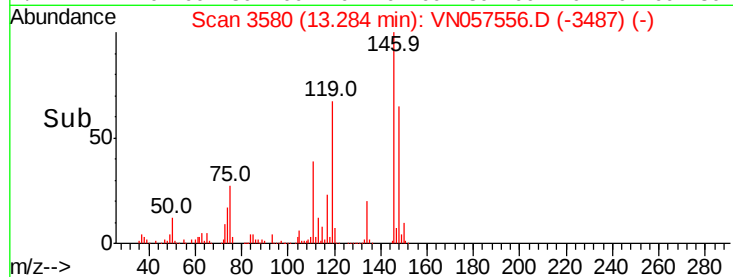
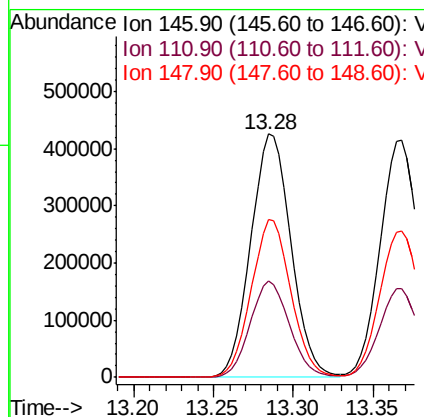
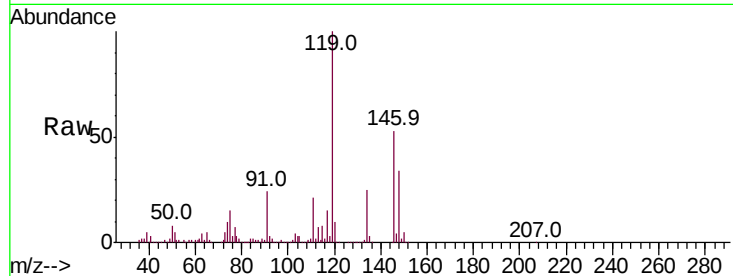
#87
 1,3-Dichlorobenzene
 Concen: 51.737 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082919

Tot Ion	Ratio	Resp	Lower	Upper
146	100	734795		
111	38.4	22.1	66.1	
148	63.9	31.9	95.9	

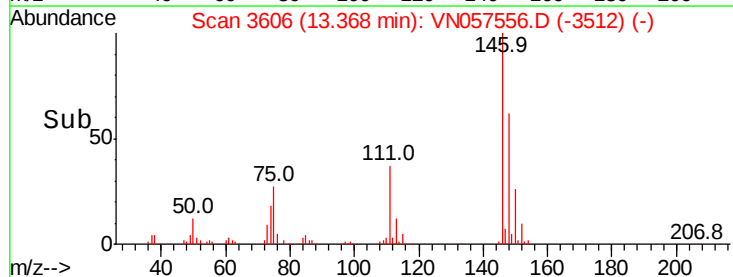
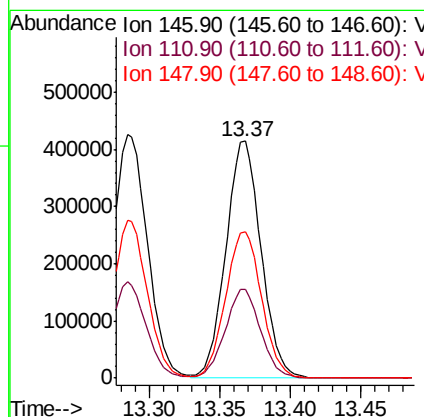
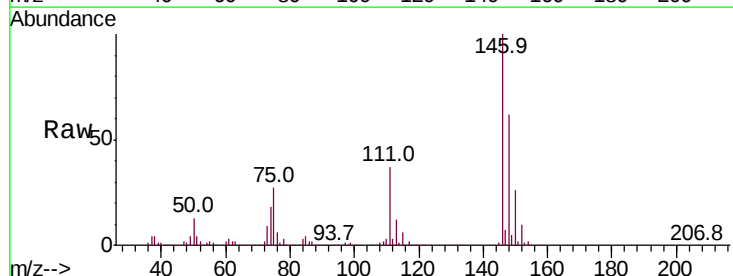
Manual Integrations
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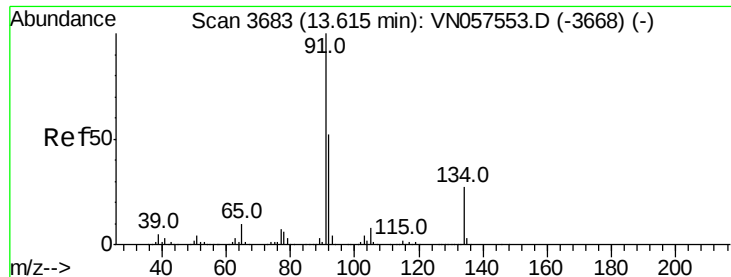
MMDadoda
 9/3/2019 2:38:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.009 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	721967		
111	37.6	21.9	65.5	
148	63.3	31.1	93.2	





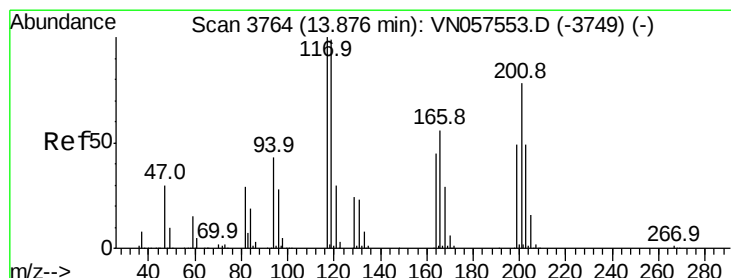
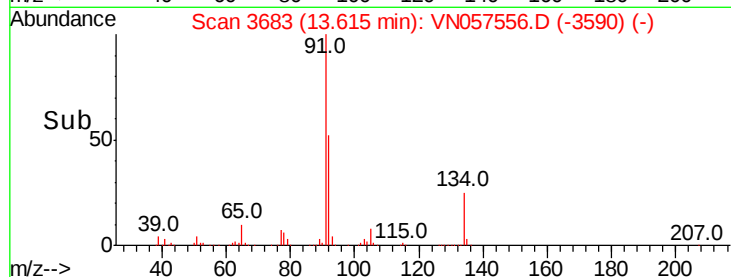
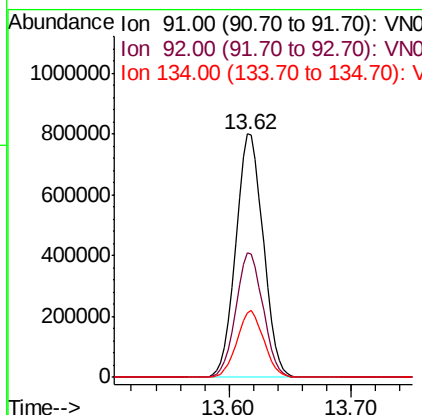
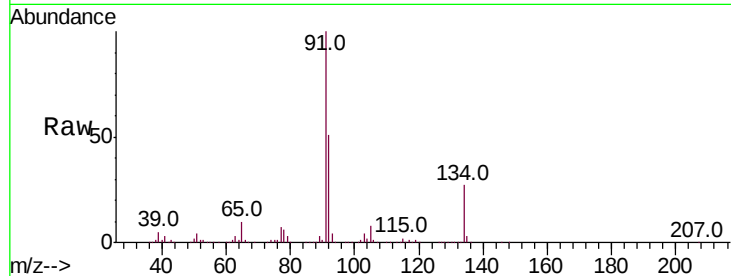
#89
n-Butylbenzene
Concen: 52.339 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Instrument :
MSVOA_N
ClientSampled :
ICVVN082919

Tot Ion: 91 Resp: 1243460
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.0
134 26.9 11.4 34.1

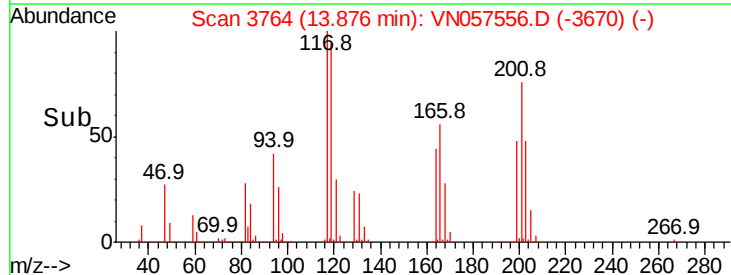
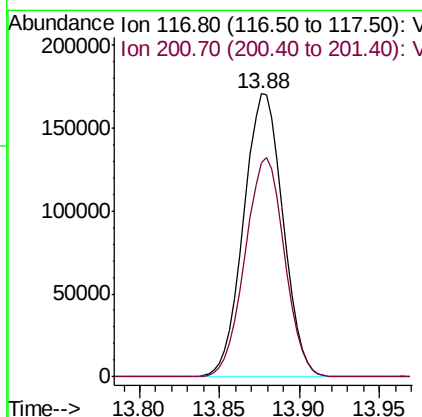
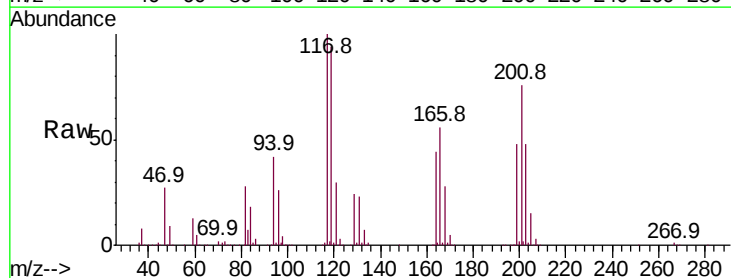
Manual Integrations
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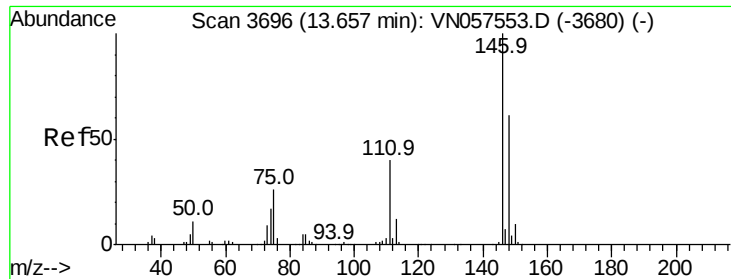
MMDadoda
9/3/2019 2:38:45 AM



#90
Hexachloroethane
Concen: 43.500 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057556.D
Acq: 29 Aug 2019 17:55

Tgt Ion: 117 Resp: 287084
Ion Ratio Lower Upper
117 100
201 77.6 33.1 99.3





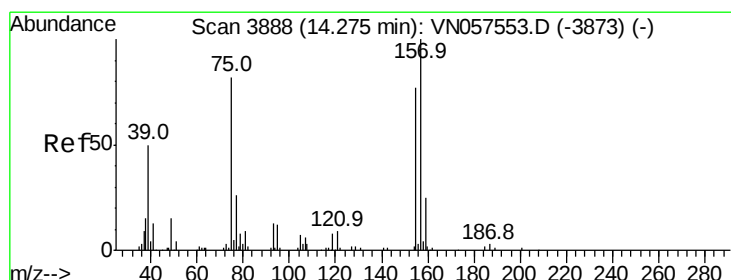
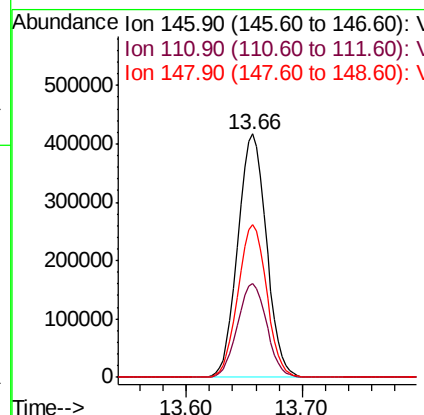
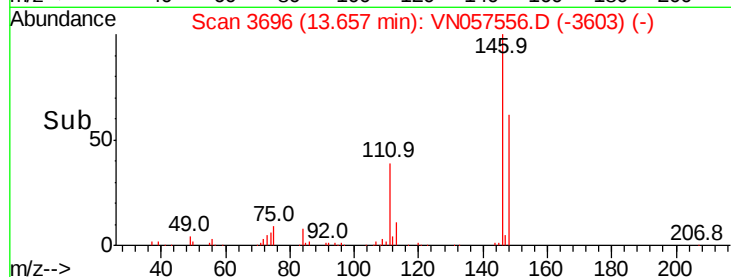
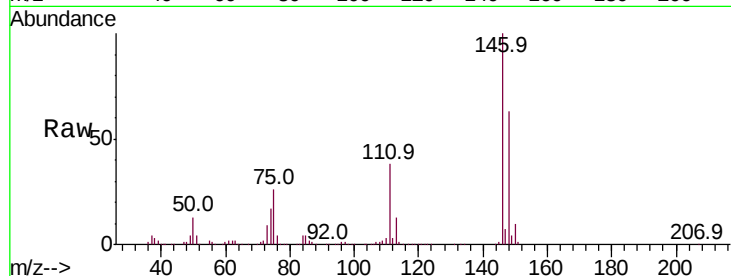
#91
 1,2-Dichlorobenzene
 Concen: 53.630 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	23.1	69.2
148	62.9	31.8	95.4

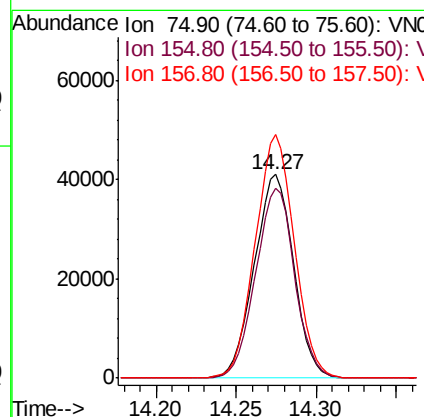
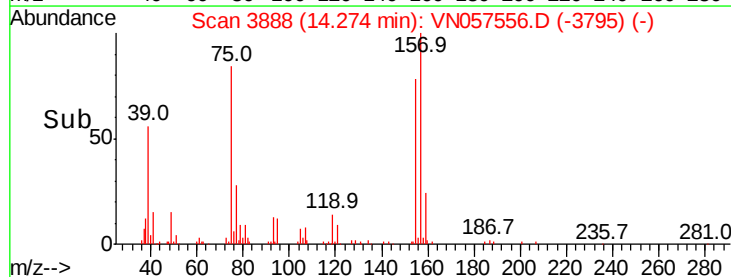
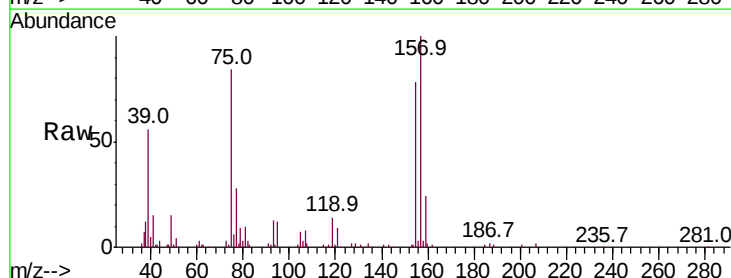
Manual Integrations
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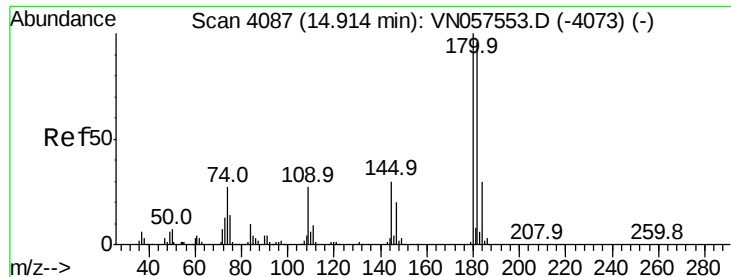
MMDadoda
 9/3/2019 2:38:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.452 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	31.6	94.7
157	118.7	43.3	129.8





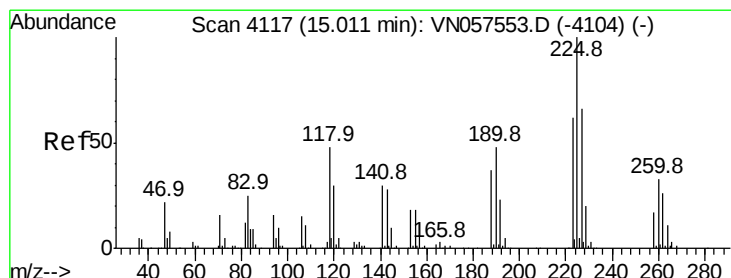
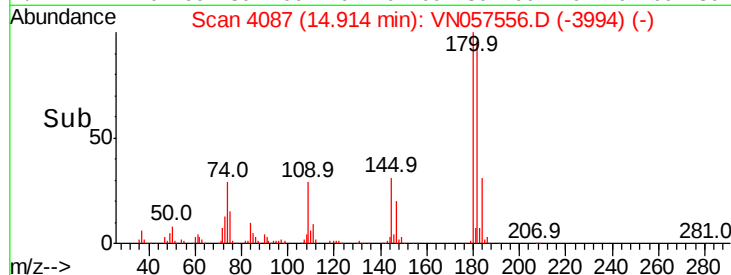
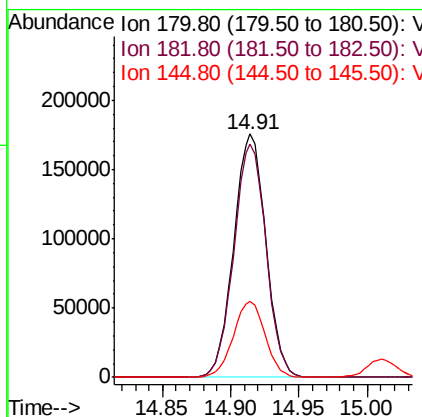
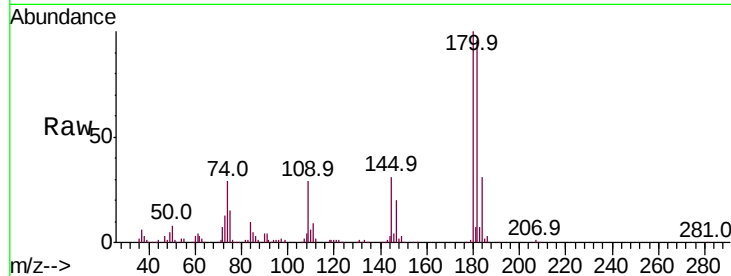
#93
 1,2,4-Trichlorobenzene
 Concen: 52.159 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082919

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	46.7	140.1	
145	30.9	15.6	46.8	

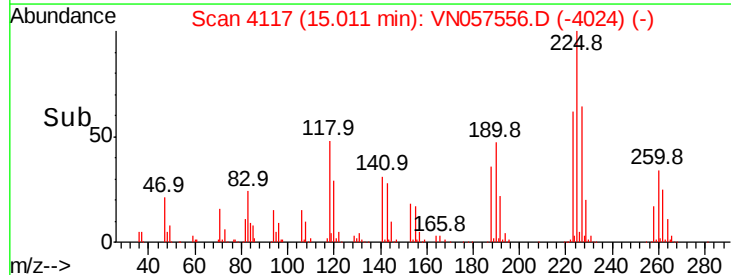
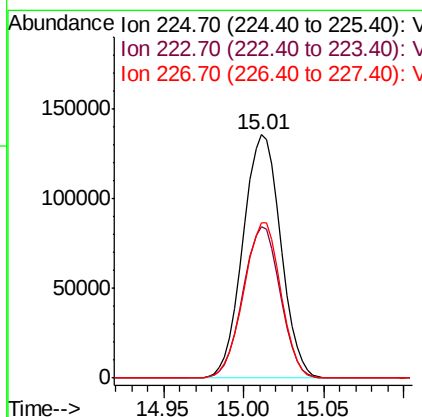
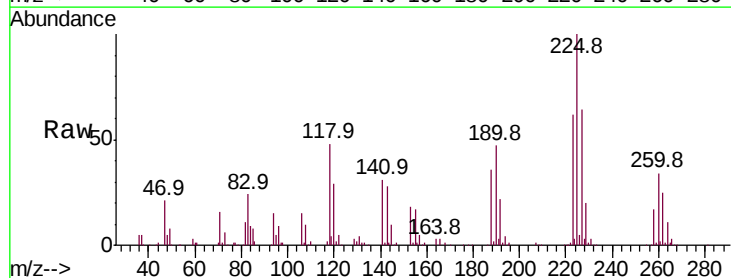
Manual Integrations
 APPROVED

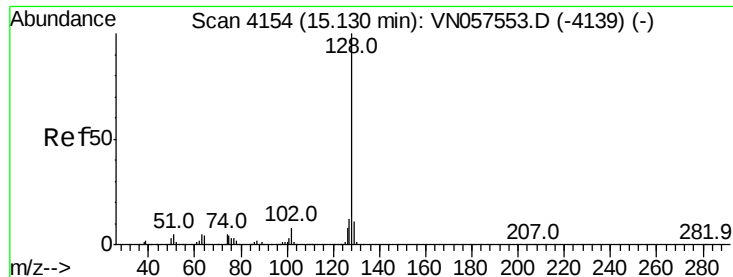
MMDadoda
 9/3/2019 2:38:45 AM



#94
 Hexachlorobutadiene
 Concen: 50.123 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057556.D
 Acq: 29 Aug 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	32.0	96.2	
227	62.8	31.5	94.5	





#95

Naphthalene

Concen: 64.514 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Instrument :

MSVOA_N

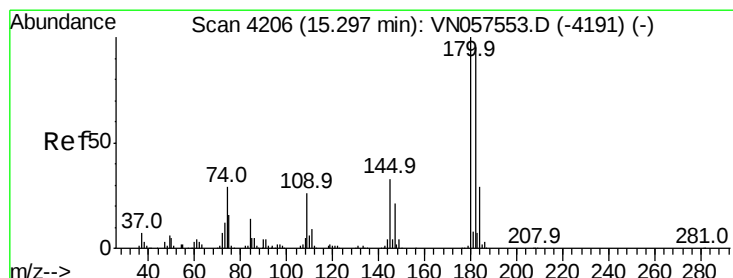
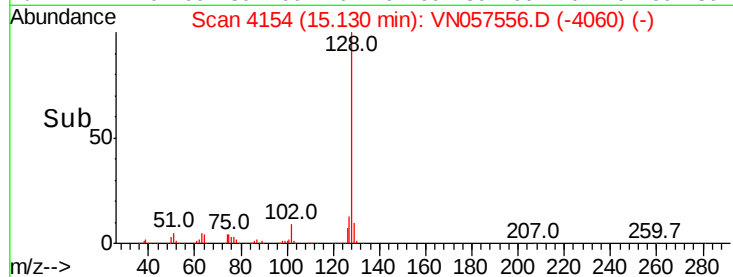
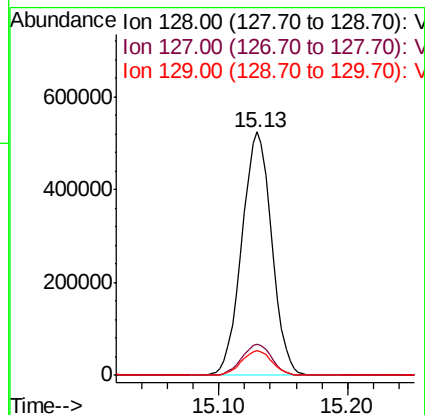
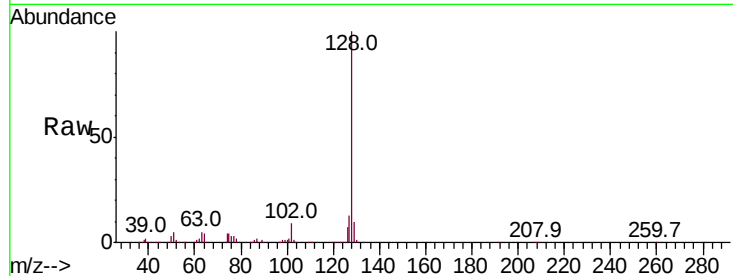
ClientSampleId :

ICVVN082919

Tot Ion:	128	Resp:	846187
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.4	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 64.544 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057556.D

Acq: 29 Aug 2019 17:55

Tgt Ion:	180	Resp:	289153
Ion Ratio	Lower	Upper	
180	100		
182	95.0	46.7	140.1
145	32.1	16.8	50.3

