

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056151.D
 Acq On : 8 Jun 2019 14:07
 Operator : JC/SP
 Sample : K3225-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:47 AM

Quant Time: Jun 10 03:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	266601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	405708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	364606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	155010	58.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.12%	
35) Dibromofluoromethane	7.59	113	138980	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	10.09	98	494974	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.40	95	170016	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132822	45.382	ug/l	98
3) Chloromethane	2.06	50	166837	57.730	ug/l	99
4) Vinyl Chloride	2.18	62	155098	53.502	ug/l	99
5) Bromomethane	2.54	94	93346	50.975	ug/l	100
6) Chloroethane	2.69	64	90184	53.656	ug/l	99
7) Trichlorofluoromethane	3.00	101	176371	47.658	ug/l	98
8) Diethyl Ether	3.40	74	81423	53.501	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101007	44.931	ug/l	100
10) Methyl Iodide	3.94	142	178098	49.853	ug/l	98
11) Tert butyl alcohol	4.82	59	114231	247.974	ug/l	100
12) 1,1-Dichloroethene	3.72	96	115115	51.435	ug/l	99
13) Acrolein	3.60	56	34140	256.968	ug/l	97
14) Allyl chloride	4.31	41	177748	50.296	ug/l	96
15) Acrylonitrile	4.99	53	350801	312.833	ug/l	99
16) Acetone	3.82	43	277709	219.353	ug/l	99
17) Carbon Disulfide	4.04	76	246674	46.032	ug/l	99
18) Methyl Acetate	4.33	43	118989	47.822	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405870	56.893	ug/l	99
20) Methylene Chloride	4.54	84	145735	55.873	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	126650	52.815	ug/l	97
22) Diisopropyl ether	5.96	45	410255	56.158	ug/l	95
23) Vinyl Acetate	5.90	43	1082908	188.234	ug/l	100
24) 1,1-Dichloroethane	5.84	63	236180	56.046	ug/l	99
25) 2-Butanone	6.84	43	440625	275.460	ug/l	99
26) 2,2-Dichloropropane	6.82	77	68335	20.781	ug/l	88
27) cis-1,2-Dichloroethene	6.83	96	157107	55.736	ug/l	93
28) Bromochloromethane	7.19	49	120239	60.336	ug/l	100
29) Tetrahydrofuran	7.22	42	295833	299.191	ug/l	99
30) Chloroform	7.37	83	237143	55.941	ug/l	100
31) Cyclohexane	7.65	56	179537	42.743	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	183655	51.880	ug/l	99
36) 1,1-Dichloropropene	7.79	75	161007	46.153	ug/l	100
37) Ethyl Acetate	6.93	43	132428	42.664	ug/l	98
38) Carbon Tetrachloride	7.77	117	147816	45.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	164733	37.907	ug/l	98
40) Benzene	8.04	78	548877	51.803	ug/l	99
41) Methacrylonitrile	7.18	41	79131m	55.410	ug/l	
42) 1,2-Dichloroethane	8.12	62	178194	52.284	ug/l	99
43) Isopropyl Acetate	8.17	43	221280	43.994	ug/l #	92
44) Trichloroethene	8.83	130	147973	48.602	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147329	54.286	ug/l	100
46) Dibromomethane	9.21	93	97904	55.166	ug/l	99
47) Bromodichloromethane	9.40	83	171065	53.183	ug/l	99
48) Methyl methacrylate	9.20	41	140726	57.189	ug/l	98
49) 1,4-Dioxane	9.20	88	54567	1027.154	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	905473	287.871	ug/l	100
52) Toluene	10.16	92	331774	50.321	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	153990	41.274	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	181772	47.015	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	144679	55.398	ug/l	98
56) Ethyl methacrylate	10.43	69	214494	56.296	ug/l	99
57) 1,3-Dichloropropane	10.71	76	232298	54.715	ug/l	100
59) 2-Hexanone	10.75	43	627651	275.319	ug/l	100
60) Dibromochloromethane	10.90	129	139593	48.539	ug/l	100
61) 1,2-Dibromoethane	11.01	107	150018	56.189	ug/l	99
64) Tetrachloroethene	10.63	164	132134	41.867	ug/l	98
65) Chlorobenzene	11.43	112	356826	49.174	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132417	52.850	ug/l	99
67) Ethyl Benzene	11.51	91	598683	47.448	ug/l	99
68) m/p-Xylenes	11.62	106	458631	95.150	ug/l	98
69) o-Xylene	11.95	106	232617	49.061	ug/l	99
70) Stvrene	11.96	104	389429	51.694	ug/l	99
71) Bromoform	12.13	173	99237	47.331	ug/l #	100
73) Isopropylbenzene	12.25	105	582158	51.458	ug/l	100
74) N-amyl acetate	12.07	43	156090	36.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201950	54.736	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	168942m	57.769	ug/l	
77) Bromobenzene	12.53	156	171319	50.348	ug/l	95
78) n-propylbenzene	12.59	91	609171	45.306	ug/l	100
79) 2-Chlorotoluene	12.67	91	387819	52.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	482452	45.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33901	38.605	ug/l	88
82) 4-Chlorotoluene	12.77	91	369493	46.972	ug/l	99
83) tert-Butylbenzene	12.99	119	421936	50.941	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	475613	46.934	ug/l	99
85) sec-Butylbenzene	13.17	105	528258	44.364	ug/l	100
86) p-Isopropyltoluene	13.29	119	474773	44.552	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	260282	49.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	249203	49.191	ug/l	100
89) n-Butylbenzene	13.61	91	335010	42.437	ug/l	99
90) Hexachloroethane	13.88	117	74050	46.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	270175	50.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29066	55.079	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	121754	42.275	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	82894	45.258	ug/l	98
95) Naphthalene	15.13	128	358783	47.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140404	47.201	ug/l	99

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

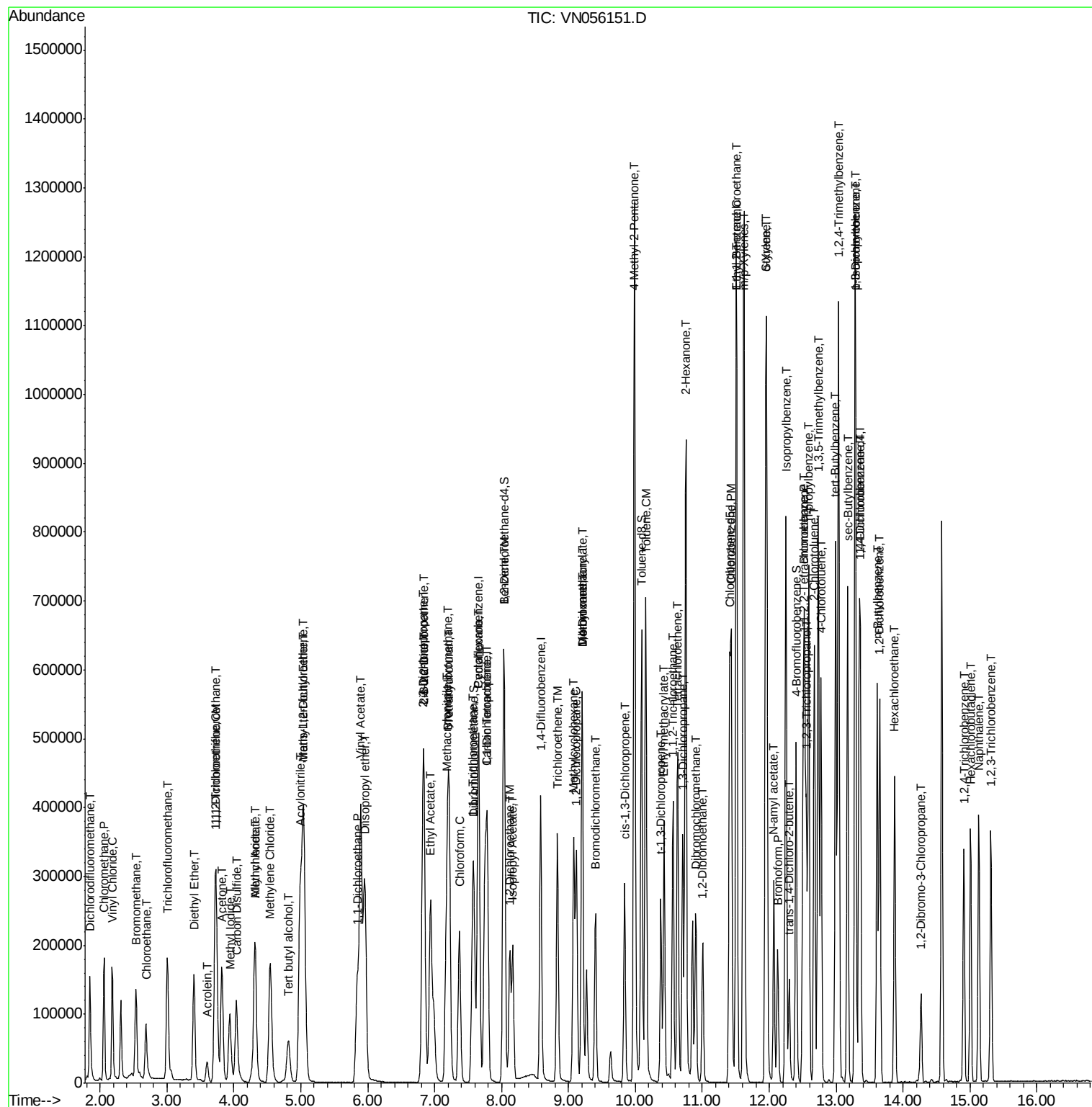
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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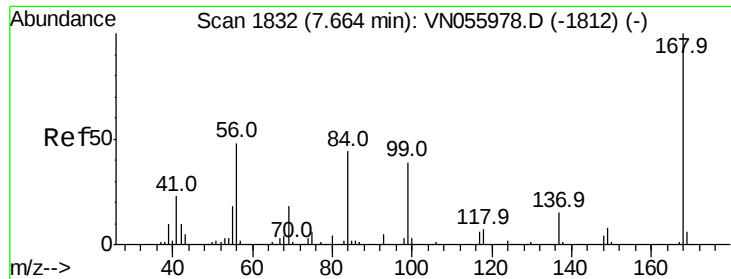
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:168 Resp: 266601

Ion Ratio Lower Upper

168 100

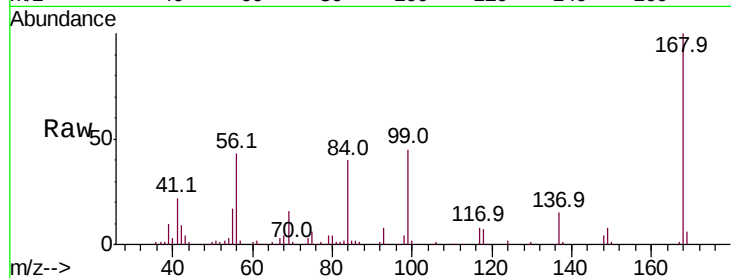
99 44.6 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

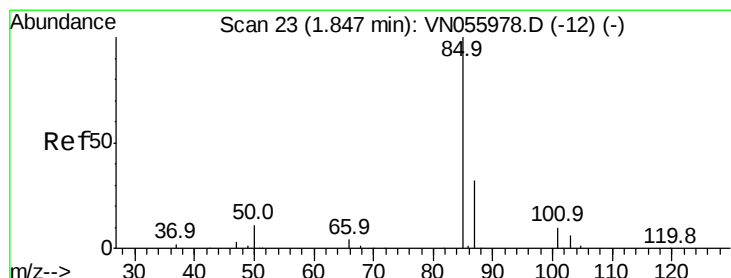
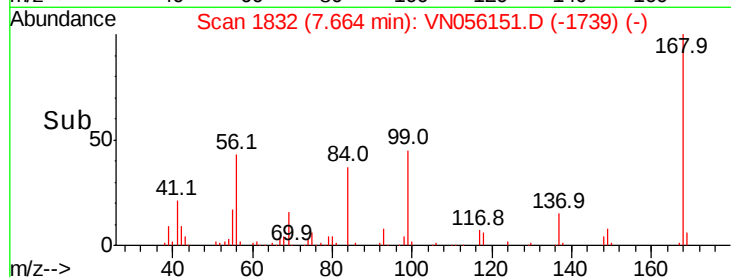
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.382 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056151.D

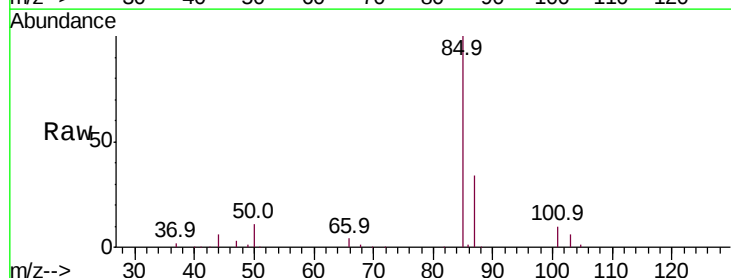
Acq: 8 Jun 2019 14:07

Tgt Ion: 85 Resp: 132822

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

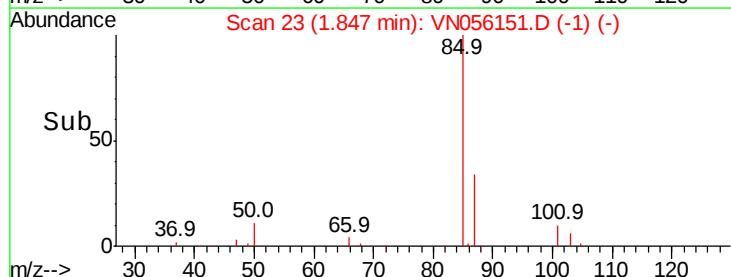
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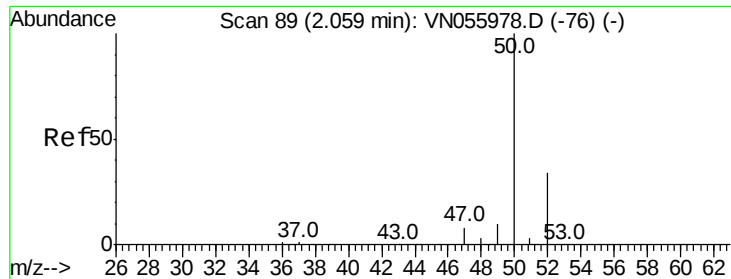
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20000

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Time-->





#3

Chloromethane

Concen: 57.730 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 50 Resp: 166837

Ion Ratio Lower Upper

50 100

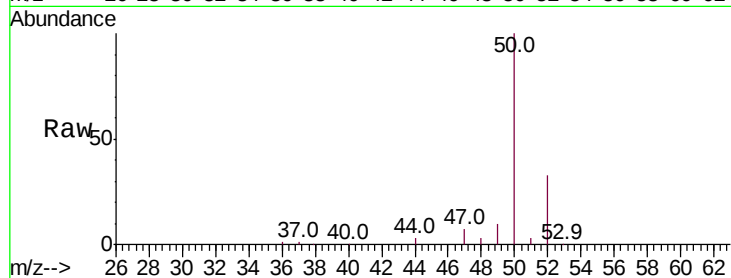
52 32.8 26.6 40.0

Manual Integrations

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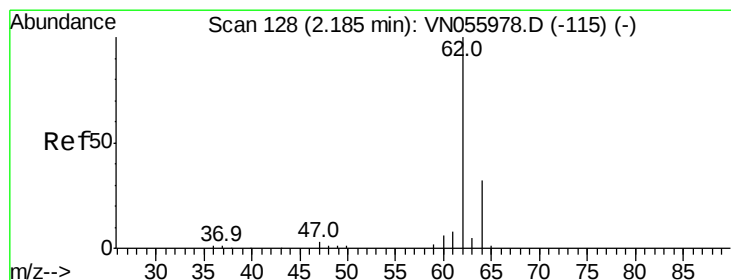
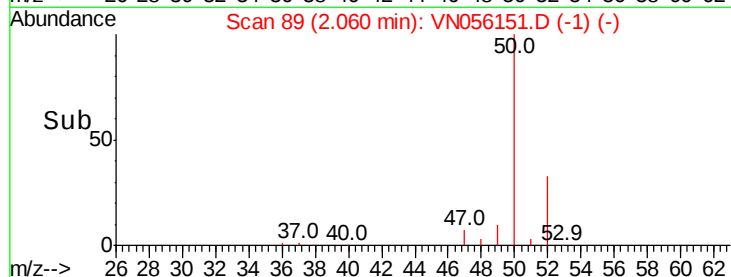
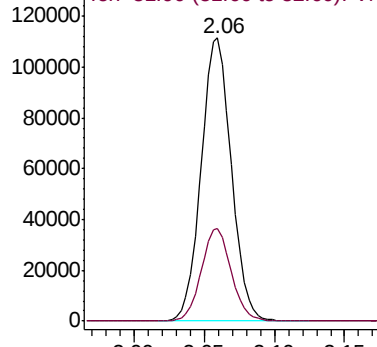
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 53.502 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056151.D

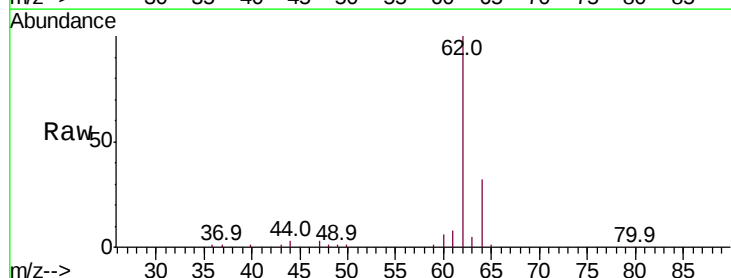
Acq: 8 Jun 2019 14:07

Tgt Ion: 62 Resp: 155098

Ion Ratio Lower Upper

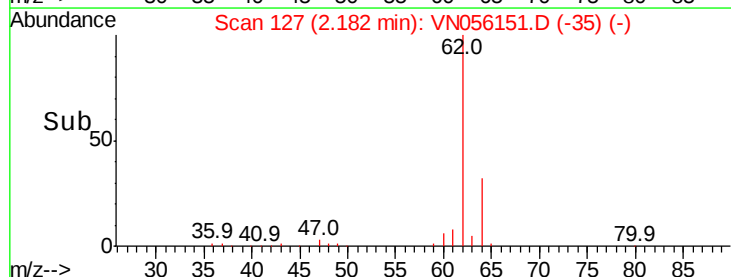
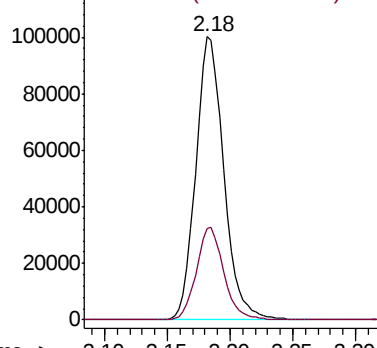
62 100

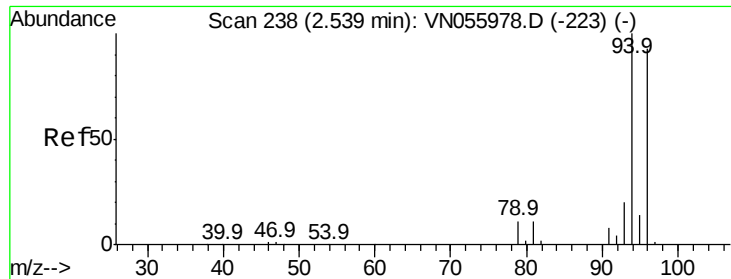
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 50.975 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 93346

Ion Ratio Lower Upper

94 100

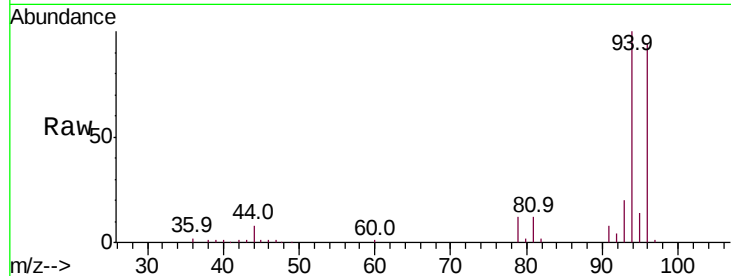
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Manual Integrations

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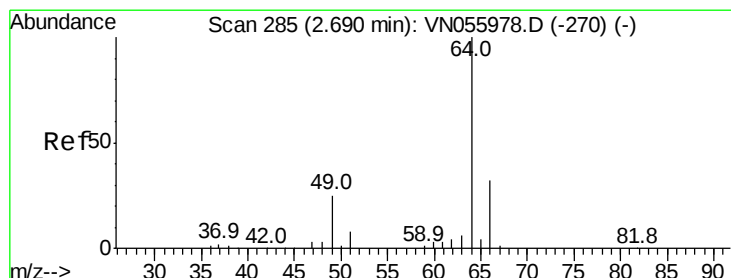
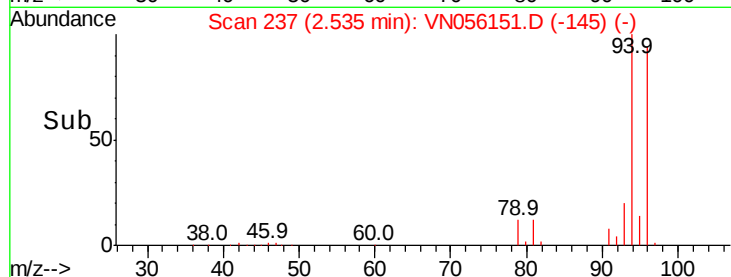
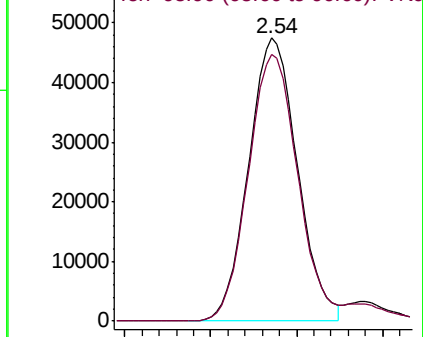
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.656 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056151.D

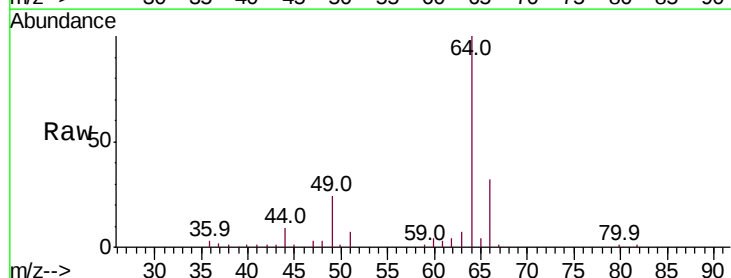
Acq: 8 Jun 2019 14:07

Tgt Ion: 64 Resp: 90184

Ion Ratio Lower Upper

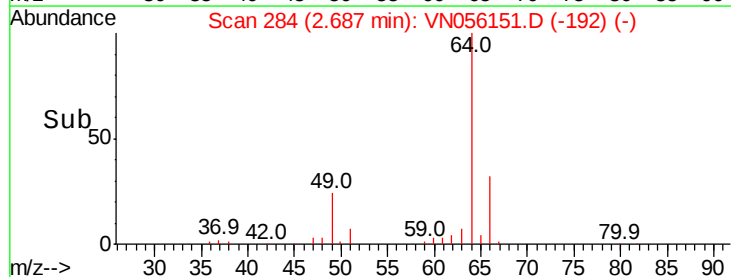
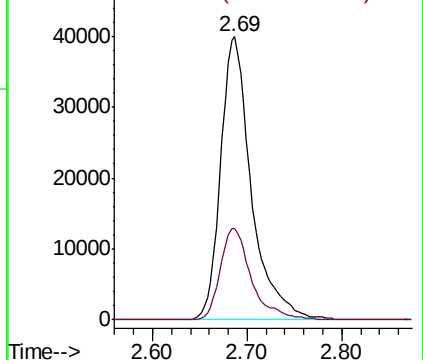
64 100

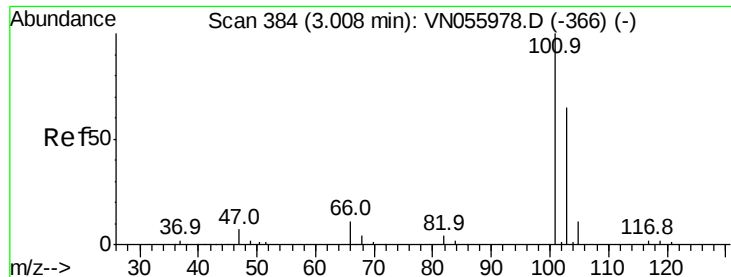
66 32.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

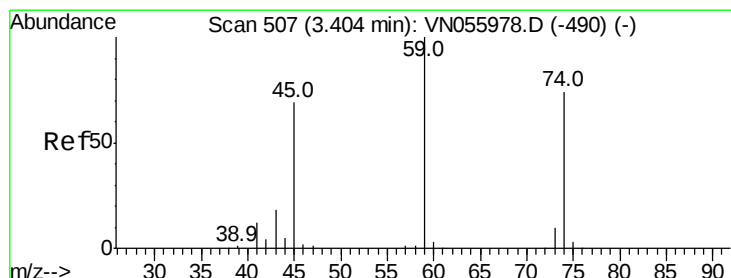
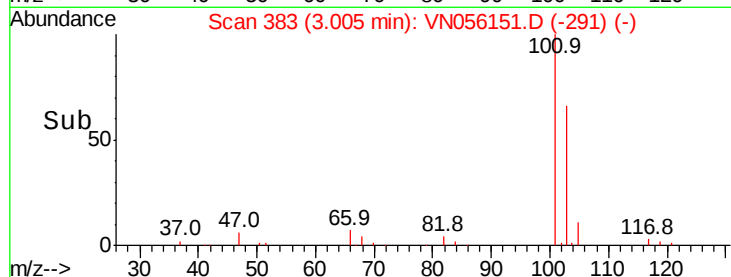
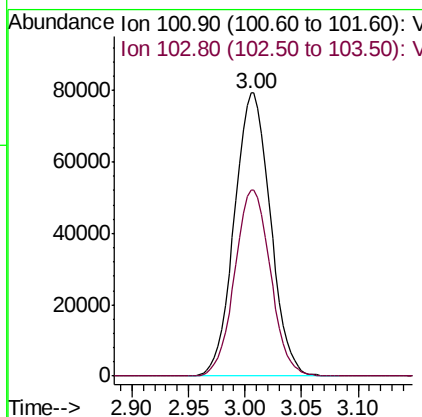
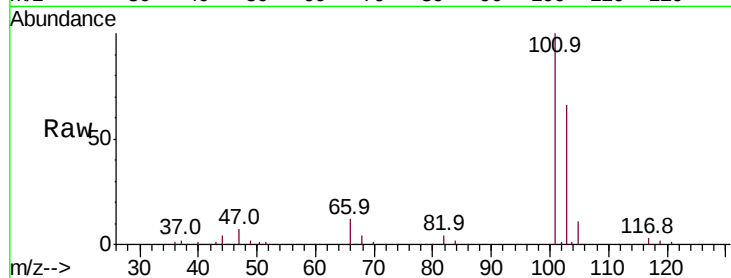
Trichlorofluoromethane
 Concen: 47.658 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.2	76.8

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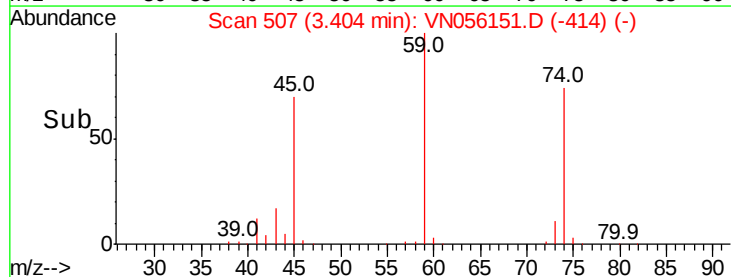
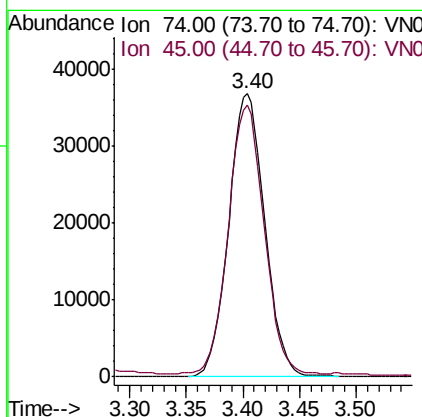
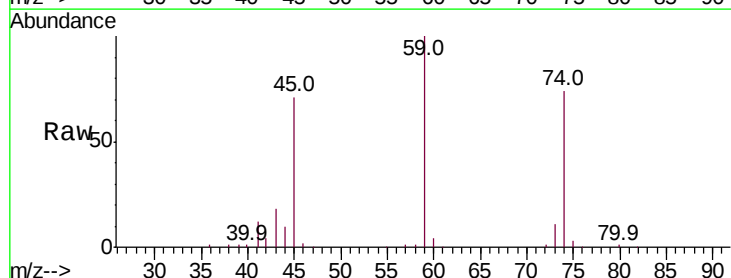
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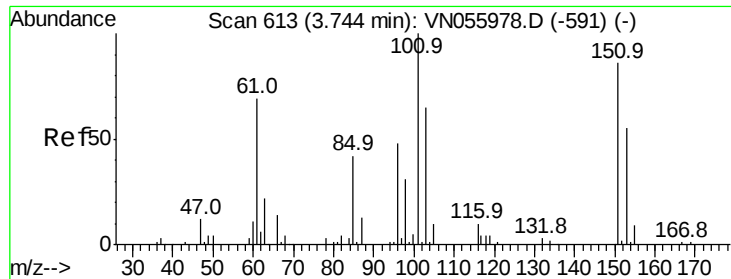


#8

Diethyl Ether
 Concen: 53.501 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.931 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

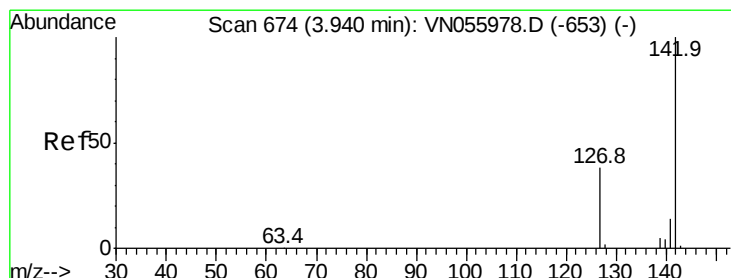
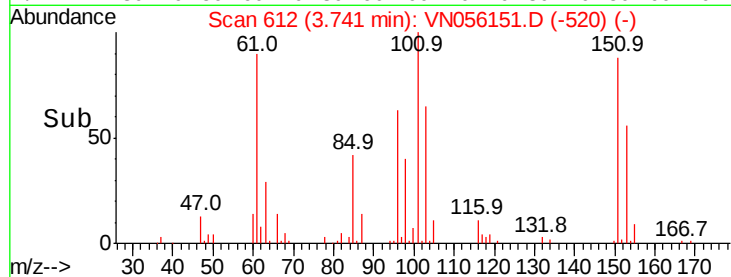
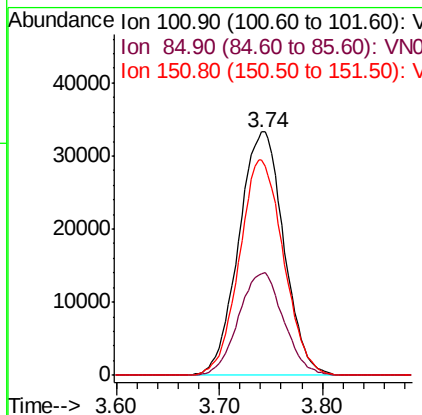
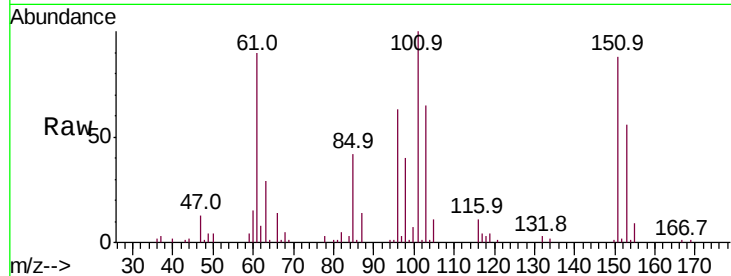
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	101	Resp:	101007
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	86.7	69.4	104.2

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#10

Methyl Iodide

Concen: 49.853 ug/l

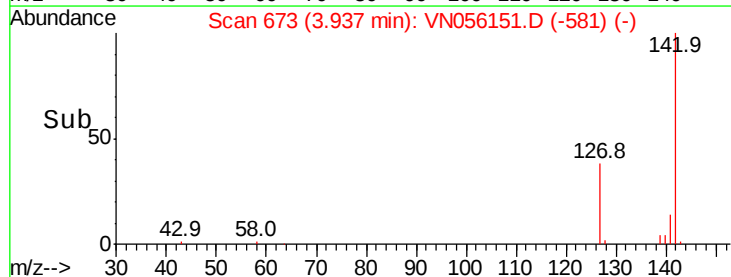
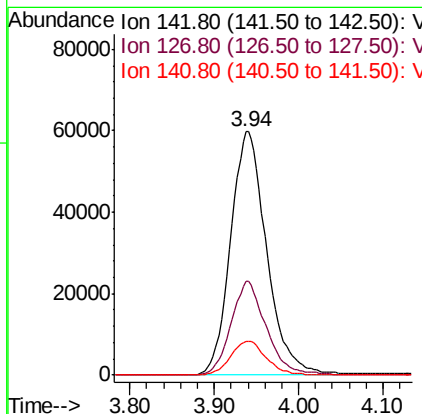
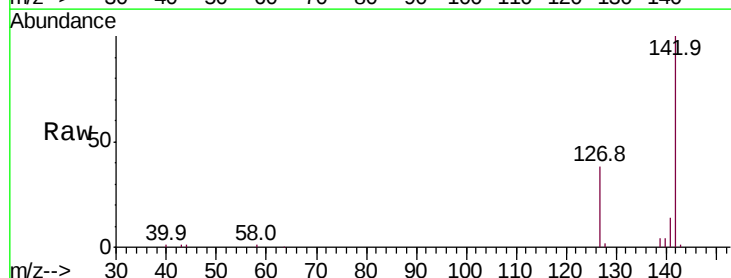
RT: 3.94 min Scan# 673

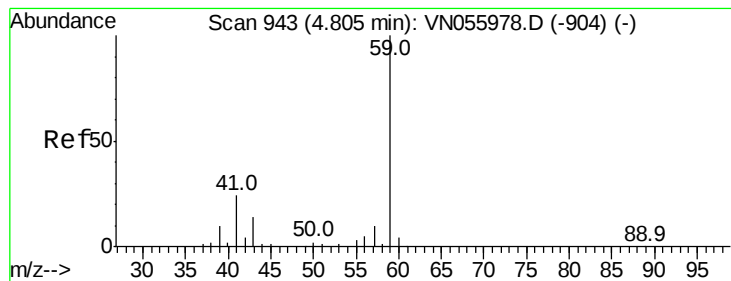
Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	142	Resp:	178098
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.4
141	13.9	11.4	17.0





#11

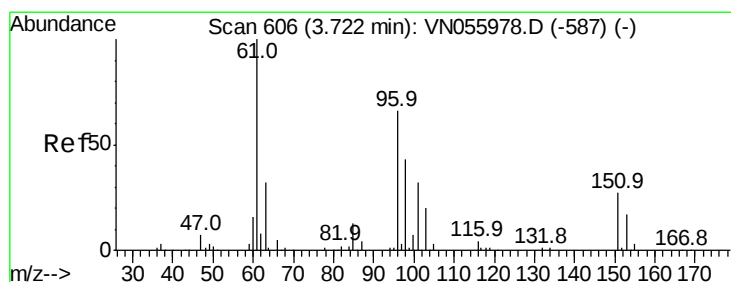
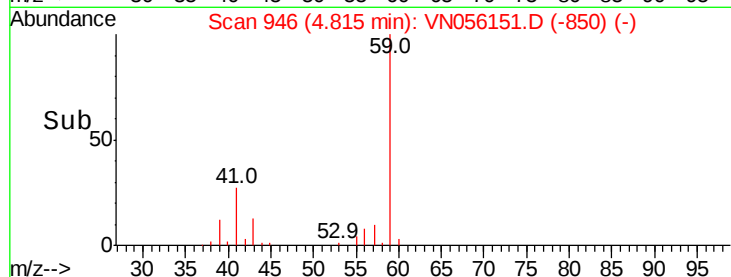
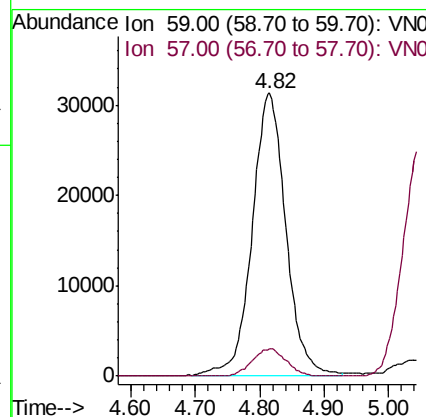
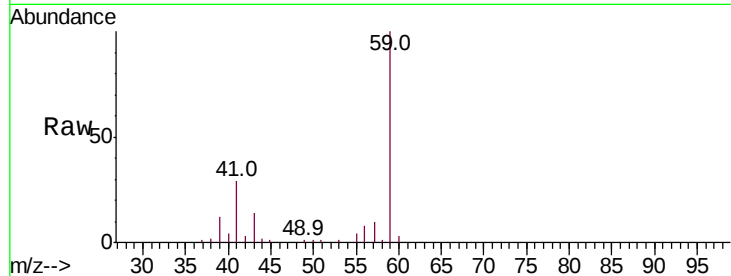
Tert butyl alcohol
Concen: 247.974 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	59	Resp	114231
Ion Ratio	100	Lower	Upper
57	9.7	7.8	11.6

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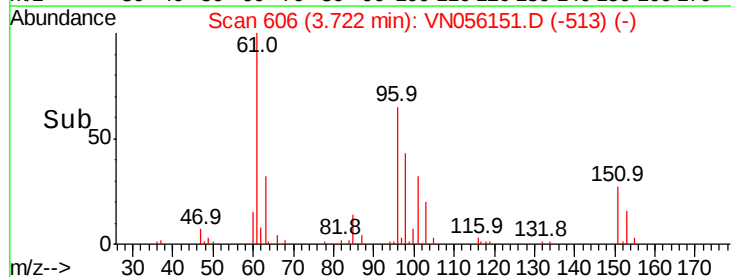
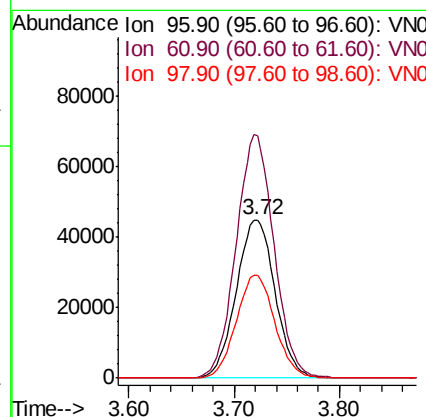
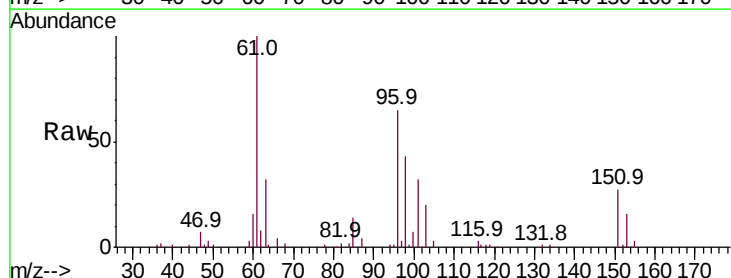
MMDadoda
6/10/2019 11:25:47 AM

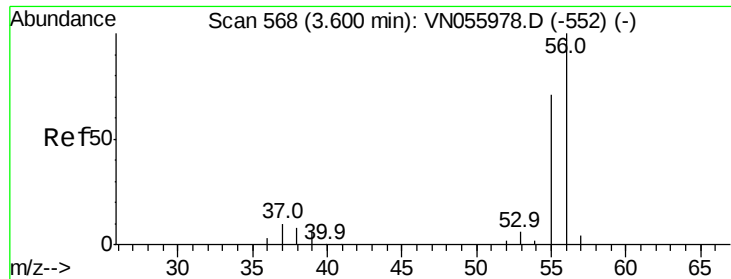


#12

1,1-Dichloroethene
Concen: 51.435 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	96	Resp	115115
Ion Ratio	100	Lower	Upper
61	153.1	123.2	184.8
98	65.2	50.4	75.6





#13

Acrolein

Concen: 256.968 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 56 Resp: 34140

Ion Ratio Lower Upper

56 100

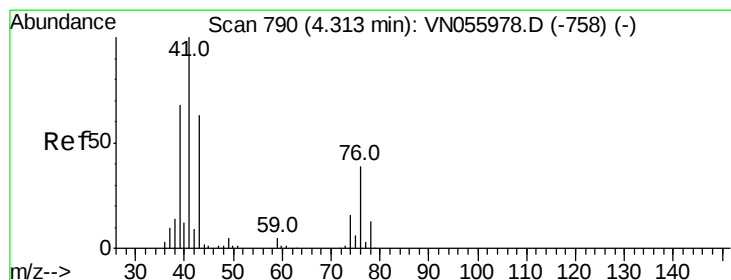
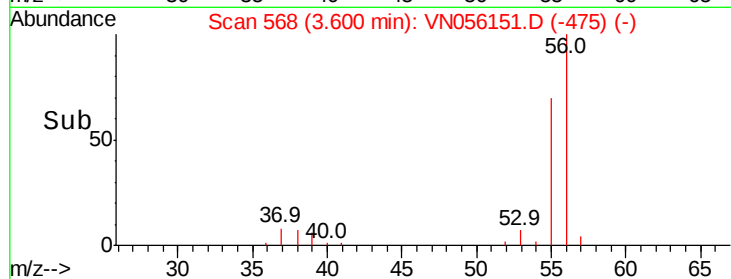
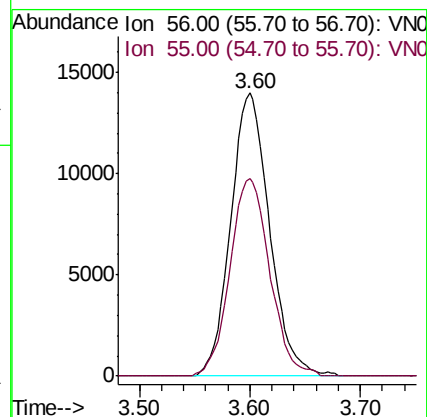
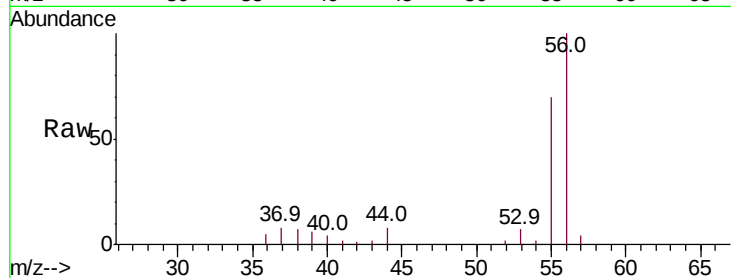
55 71.4 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.296 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

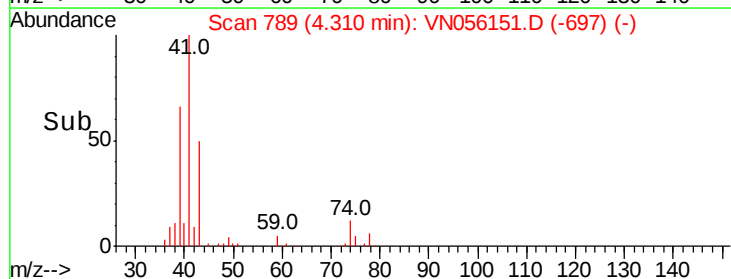
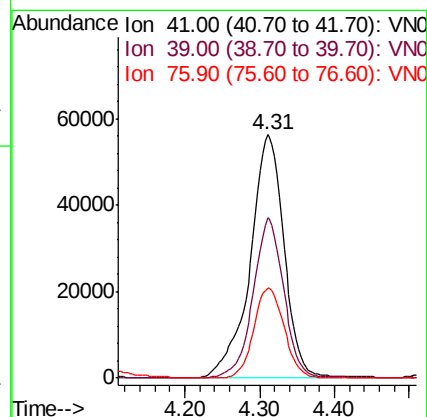
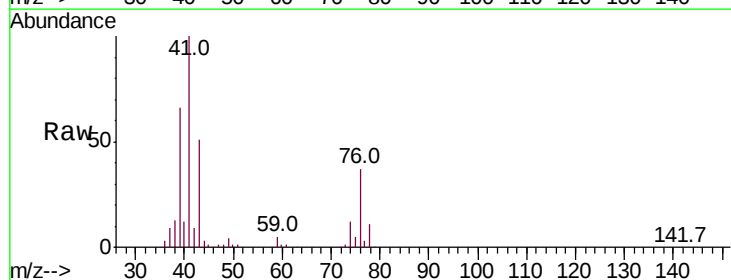
Tgt Ion: 41 Resp: 177748

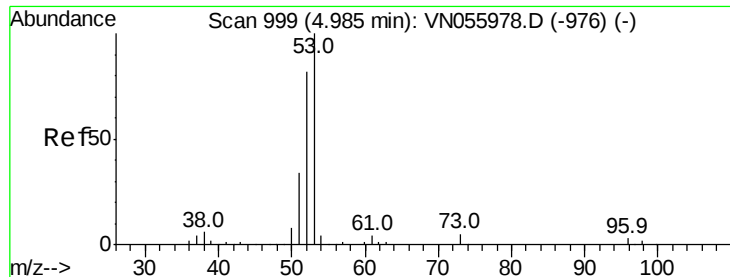
Ion Ratio Lower Upper

41 100

39 59.4 50.0 75.0

76 33.2 28.2 42.2





#15

Acrylonitrile

Concen: 312.833 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

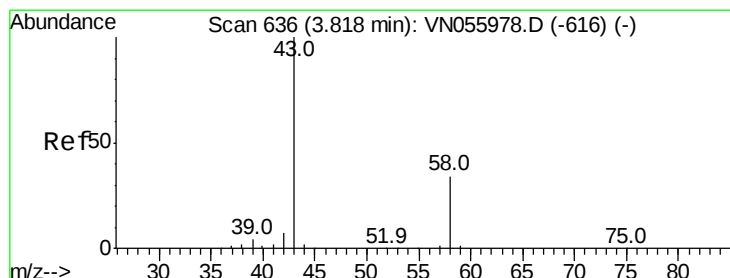
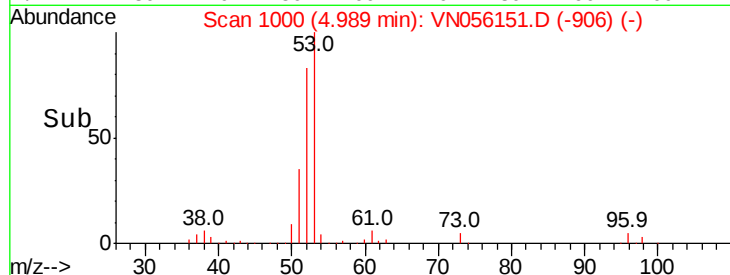
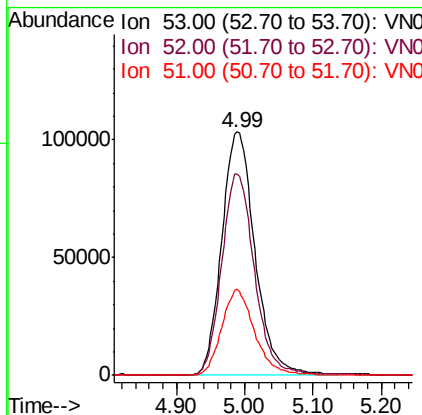
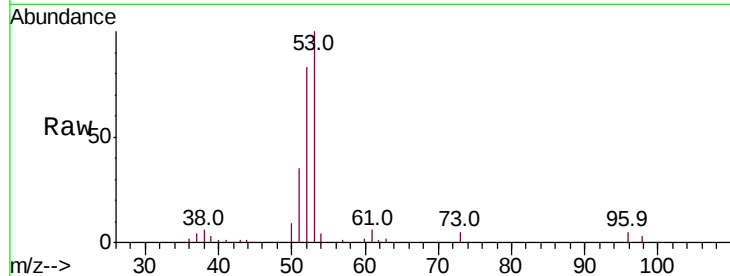
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	53	Resp:	350801
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.8
51	35.0	28.2	42.4

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#16

Acetone

Concen: 219.353 ug/l

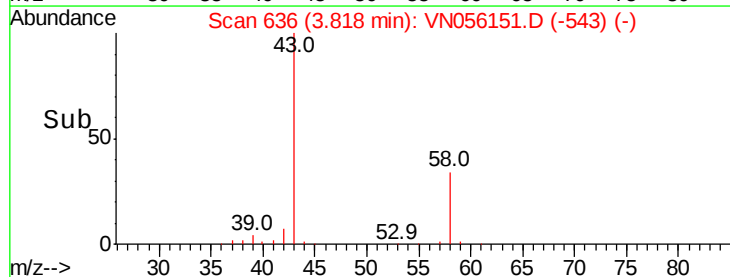
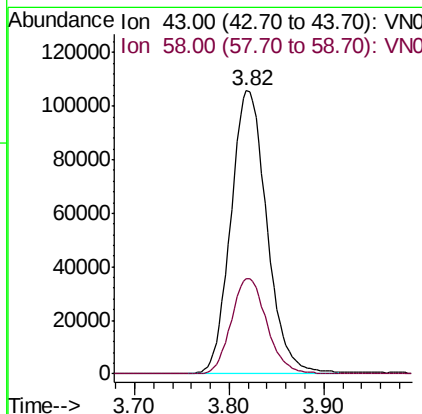
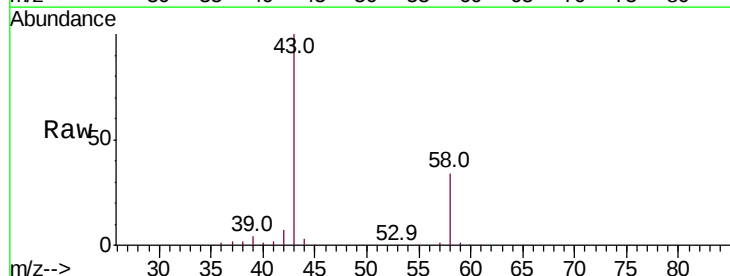
RT: 3.82 min Scan# 636

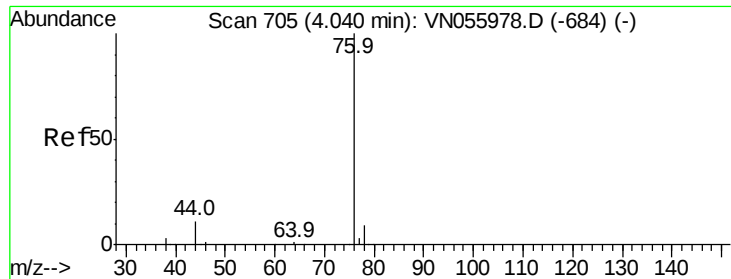
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	43	Resp:	277709
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.6	39.8





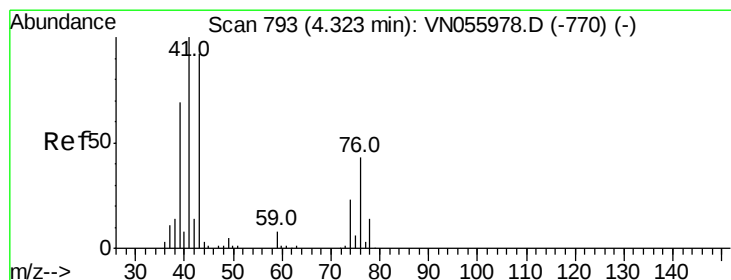
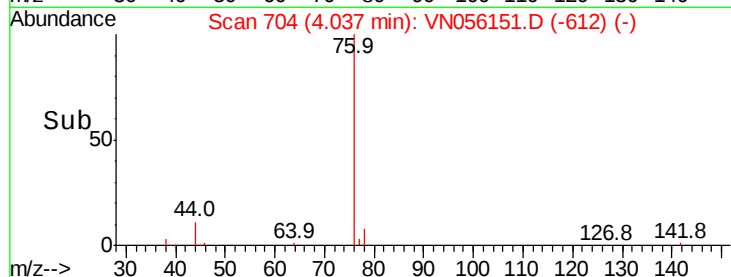
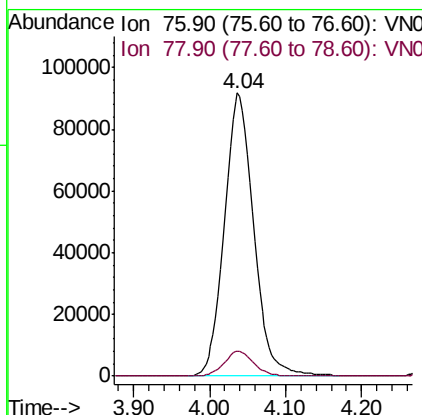
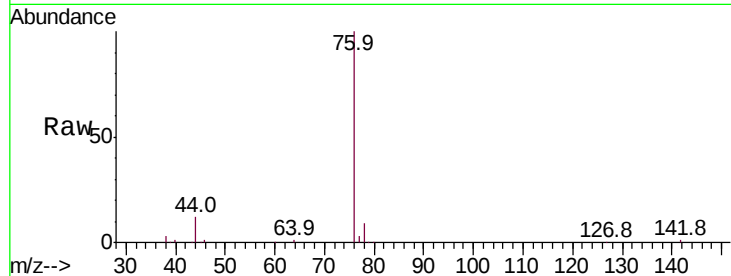
#17
Carbon Disulfide
Concen: 46.032 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 76 Resp: 246674
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

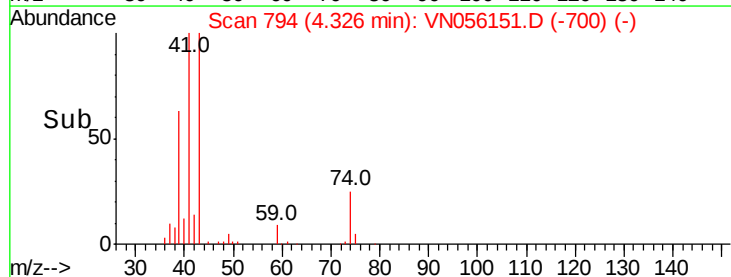
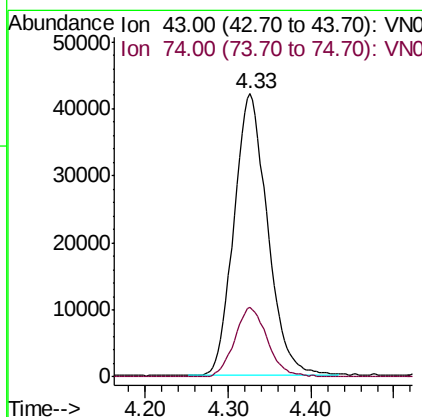
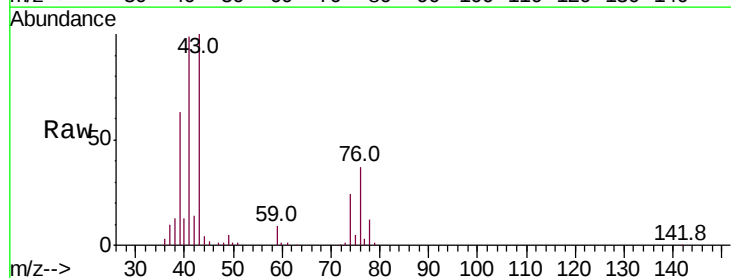
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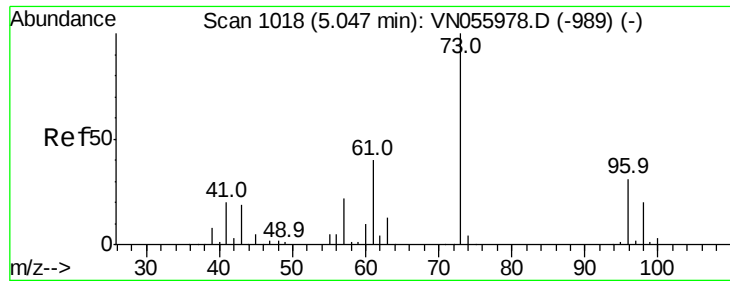
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#18
Methyl Acetate
Concen: 47.822 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 43 Resp: 118989
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9





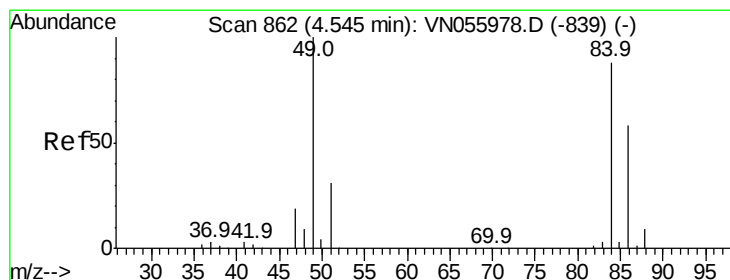
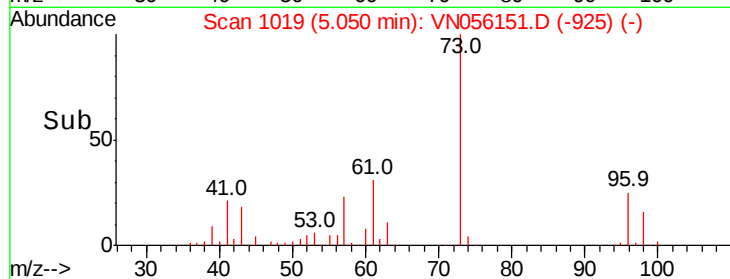
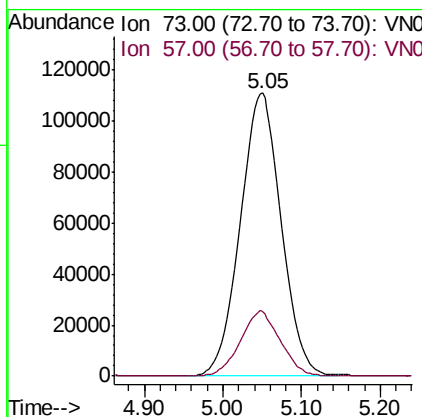
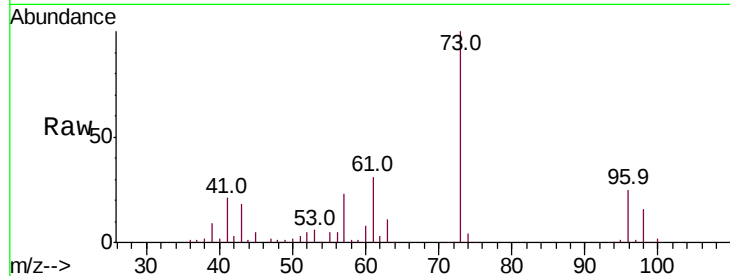
#19
Methvl tert-butvl Ether
Concen: 56.893 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 73 Resp: 405870
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

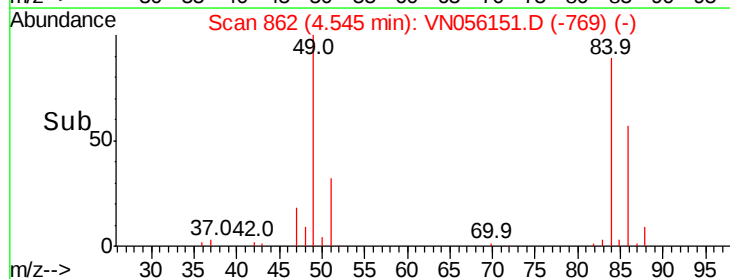
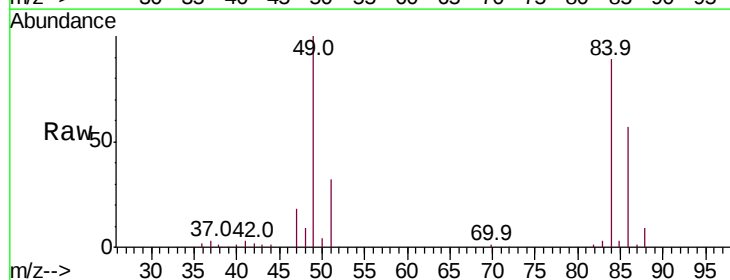
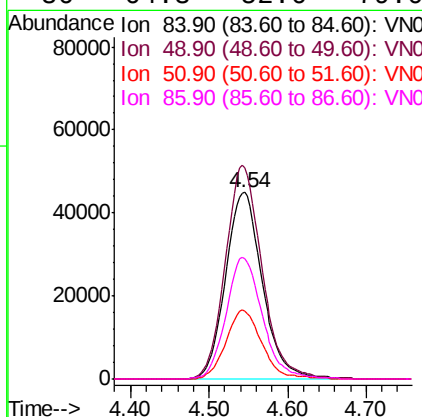
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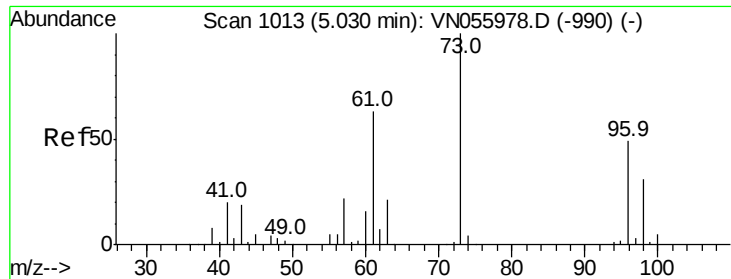
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#20
Methylene Chloride
Concen: 55.873 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 84 Resp: 145735
Ion Ratio Lower Upper
84 100
49 112.9 93.5 140.3
51 36.1 28.6 43.0
86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.815 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 96 Resp: 126650

Ion Ratio Lower Upper

96 100

61 132.4 107.8 161.8

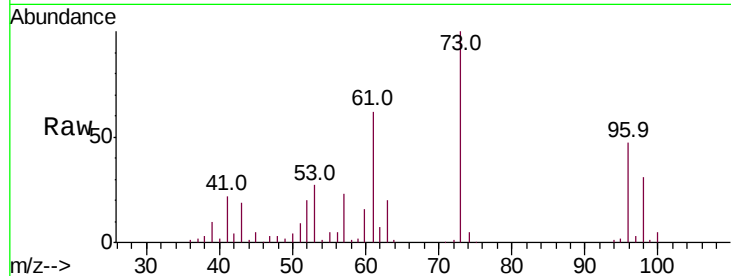
98 65.9 49.8 74.8

Manual Integrations

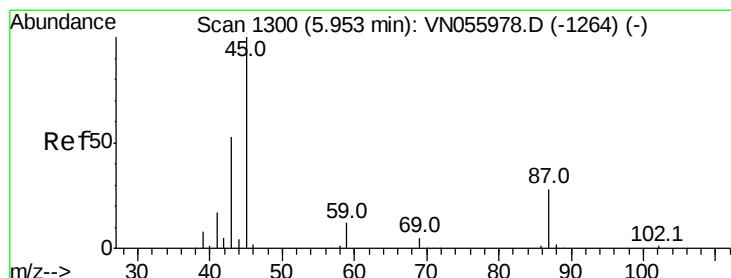
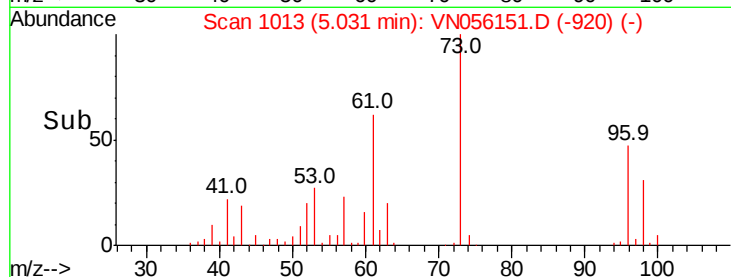
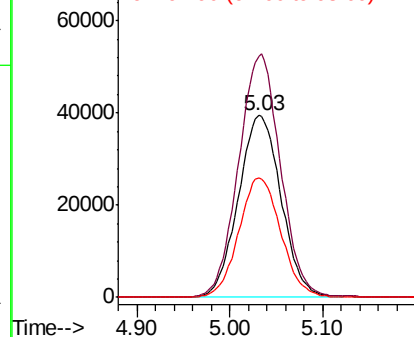
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 56.158 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion: 45 Resp: 410255

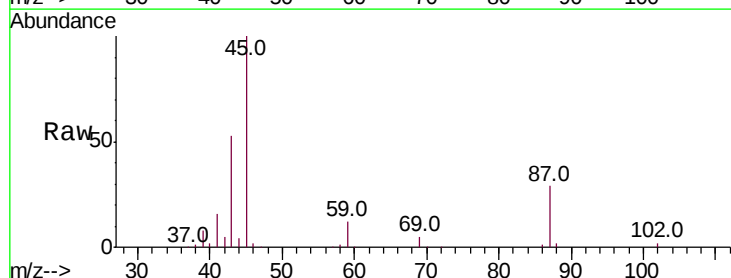
Ion Ratio Lower Upper

45 100

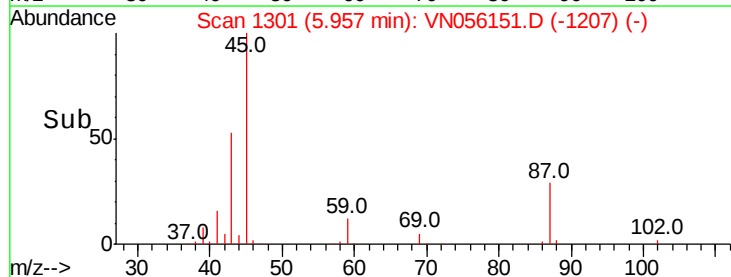
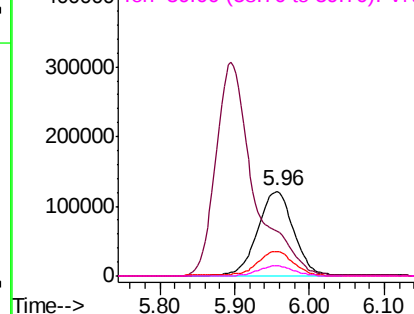
43 51.5 45.0 67.6

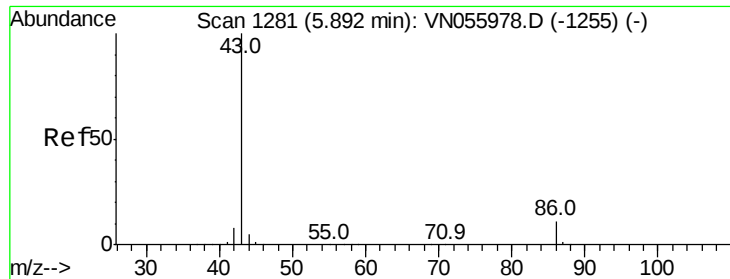
87 28.9 22.2 33.4

59 11.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





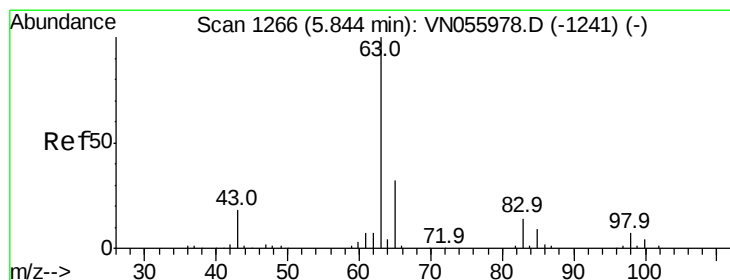
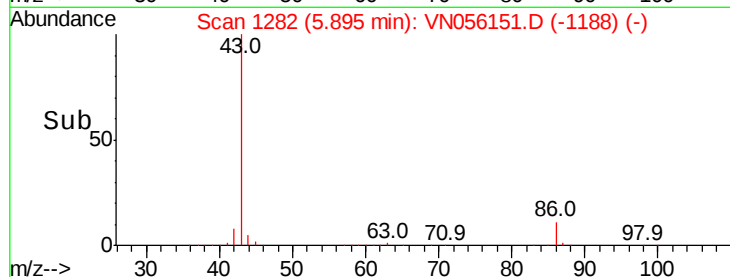
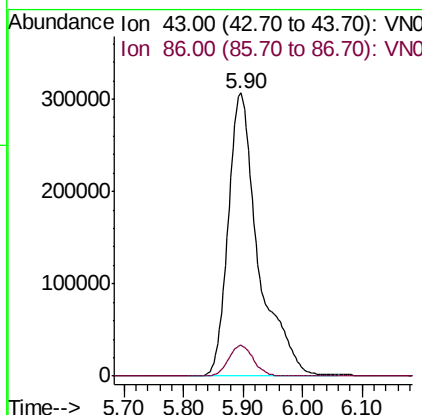
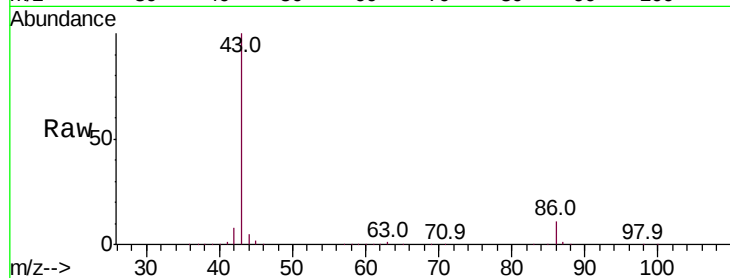
#23
 Vinyl Acetate
 Concen: 188.234 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion: 43 Resp: 1082908
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

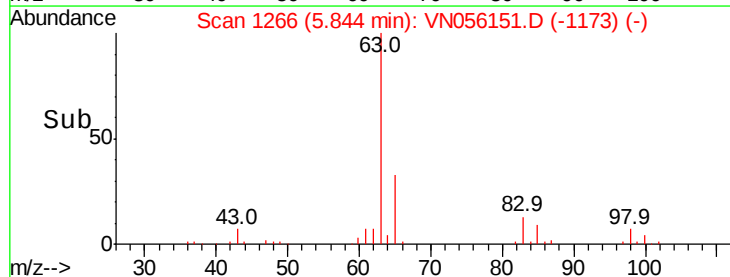
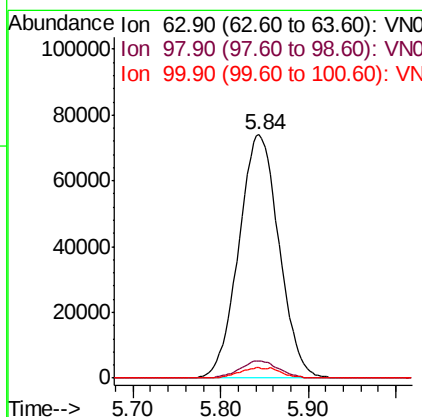
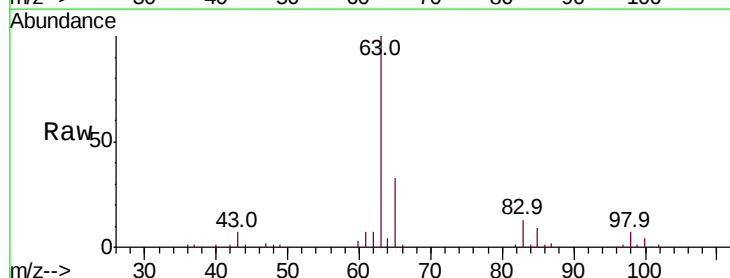
Manual Integrations
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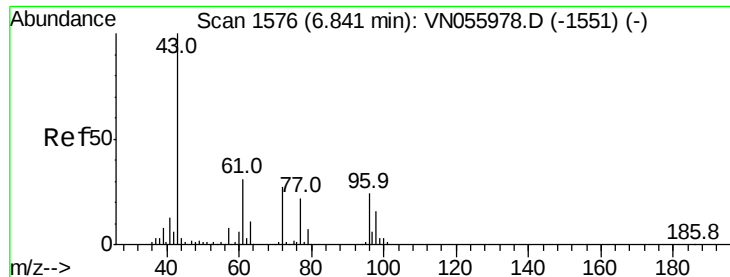
MMDadoda
 6/10/2019 11:25:47 AM



#24
 1,1-Dichloroethane
 Concen: 56.046 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 63 Resp: 236180
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.2 2.2 6.6





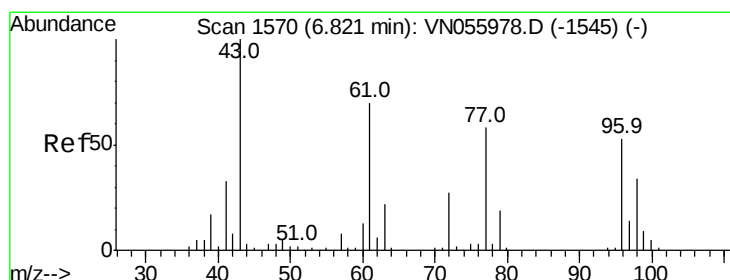
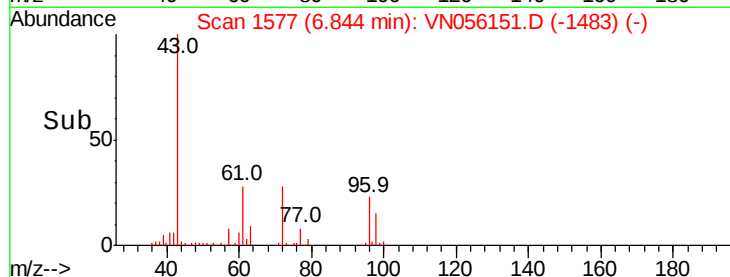
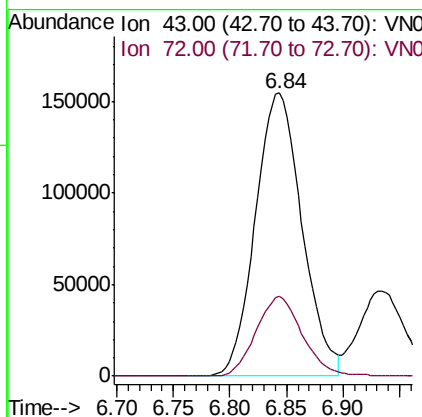
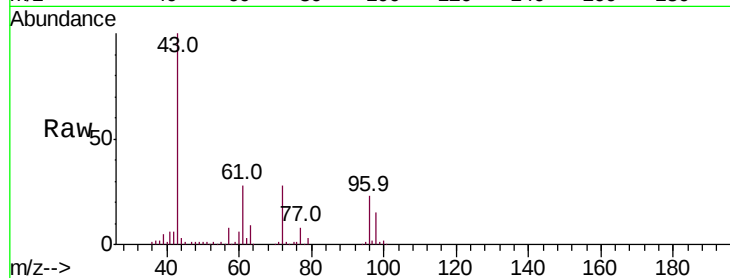
#25
2-Butanone
Concen: 275.460 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 43 Resp: 440625
Ion Ratio Lower Upper
43 100
72 28.1 21.9 32.9

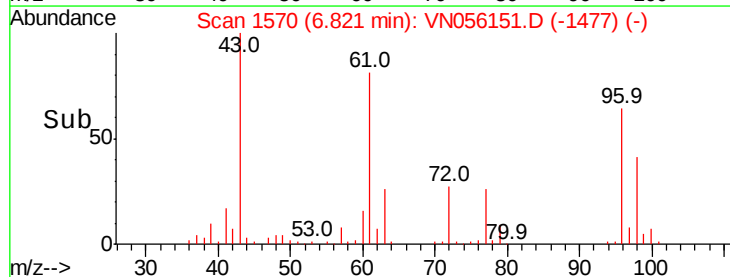
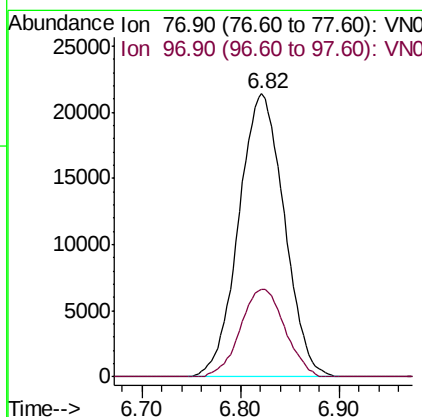
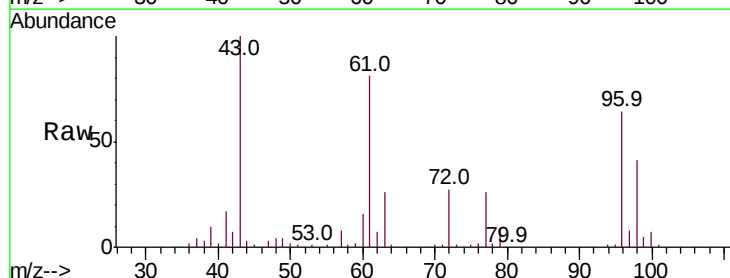
Manual Integrations
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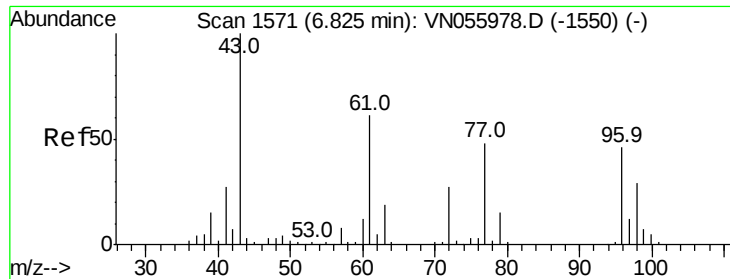
MMDadoda
6/10/2019 11:25:47 AM



#26
2,2-Dichloropropane
Concen: 20.781 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 77 Resp: 68335
Ion Ratio Lower Upper
77 100
97 30.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 55.736 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

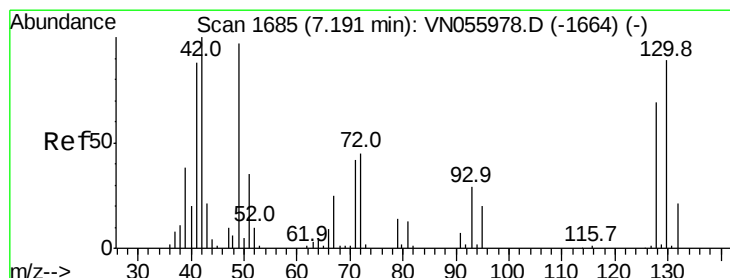
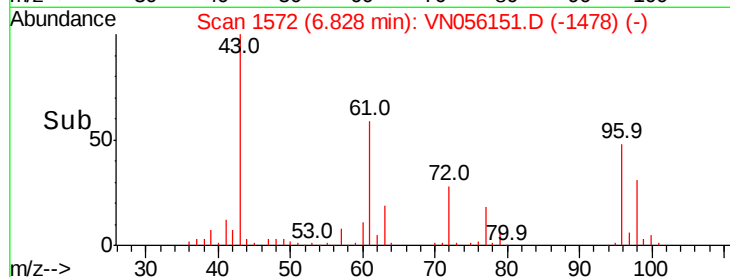
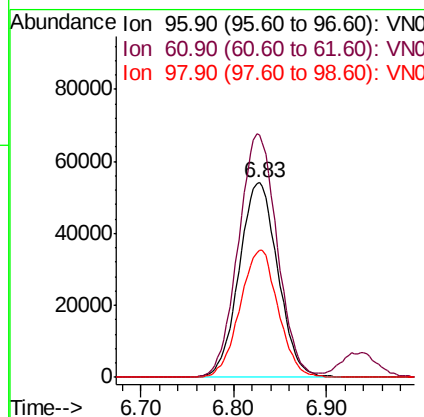
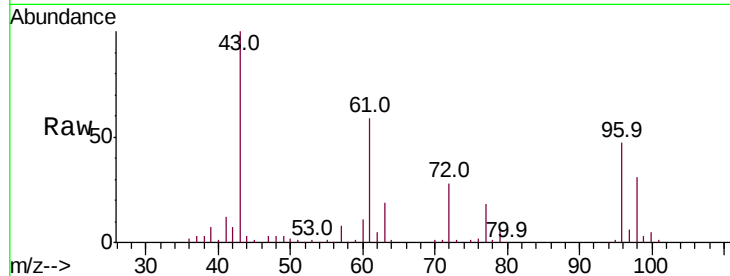
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	96	Resp:	157107
Ion	Ratio	Lower	Upper
96	100		
61	125.2	0.0	275.8
98	64.5	0.0	128.4

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#28

Bromochloromethane

Concen: 60.336 ug/l

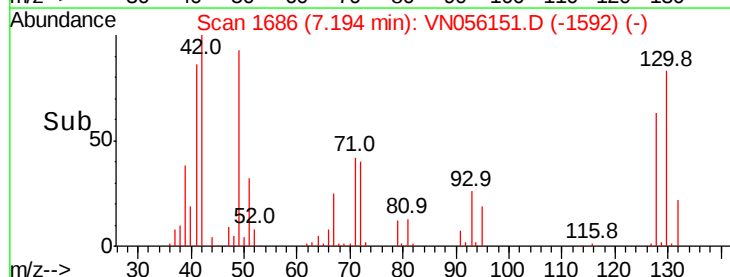
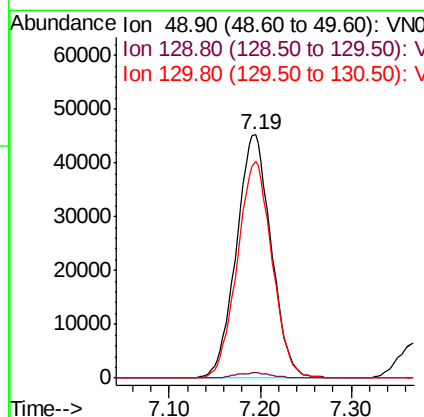
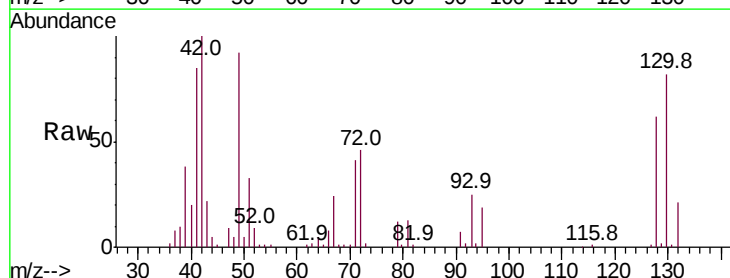
RT: 7.19 min Scan# 1686

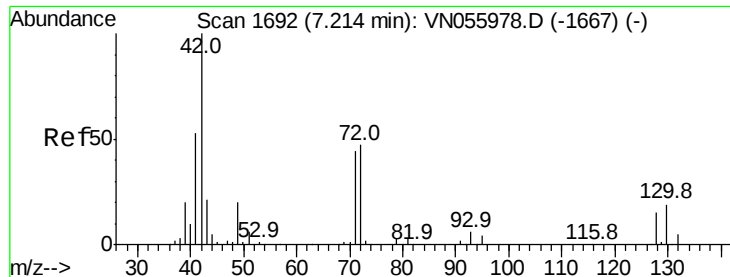
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	49	Resp:	120239
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.9	71.2	106.8





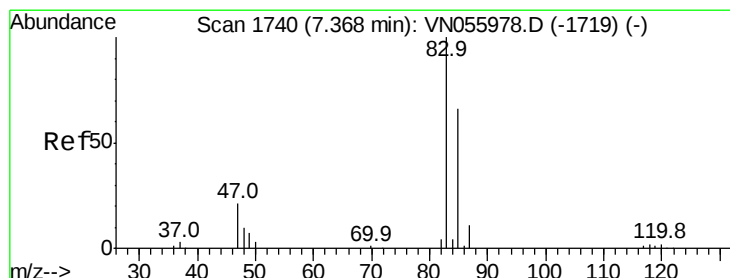
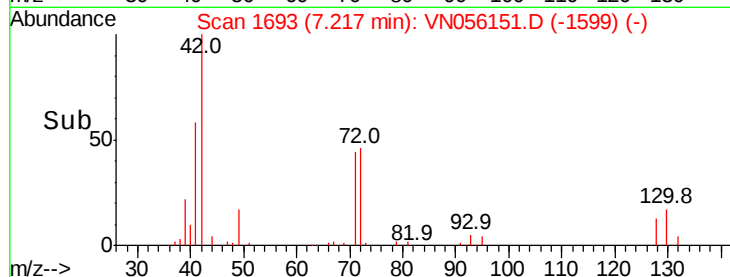
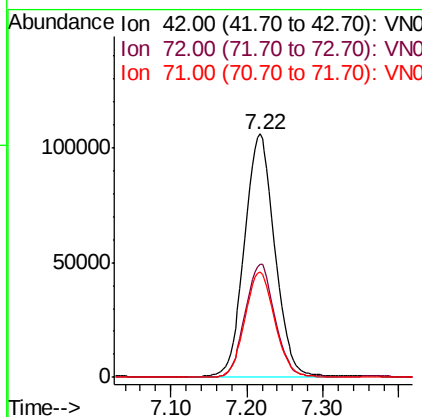
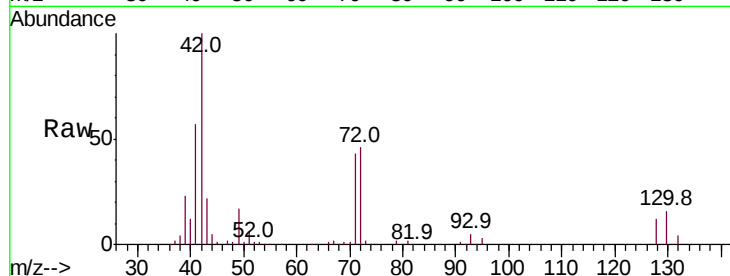
#29
Tetrahydrofuran
Concen: 299.191 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	42.7	34.0	51.0

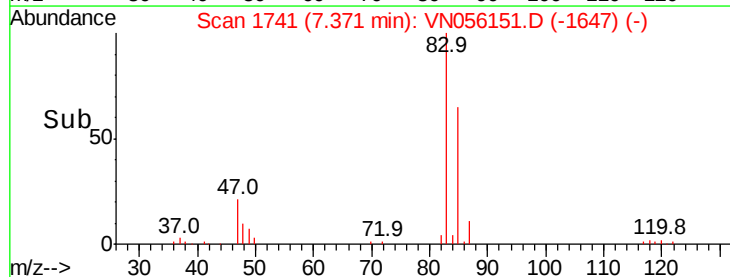
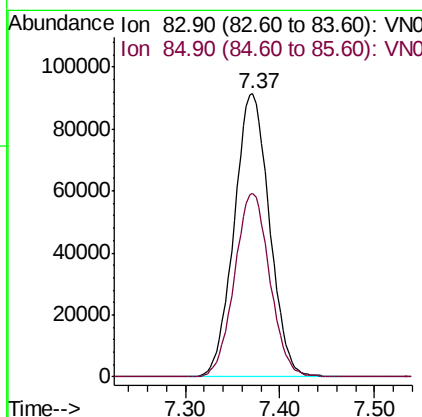
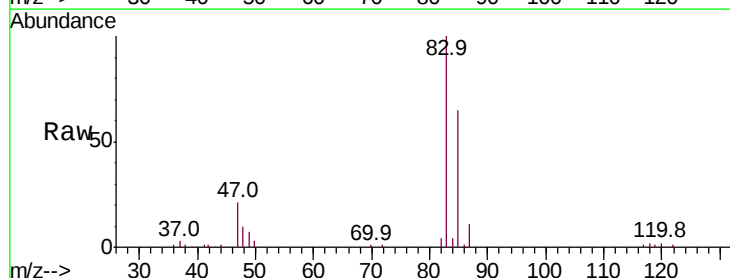
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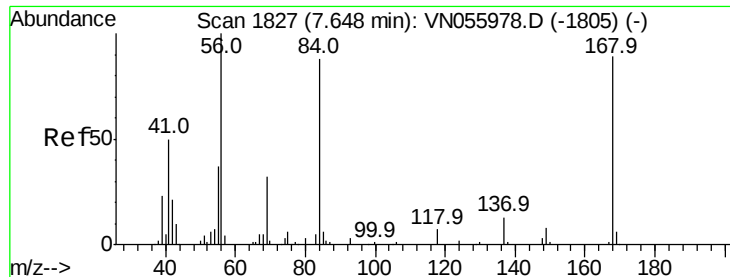
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#30
Chloroform
Concen: 55.941 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





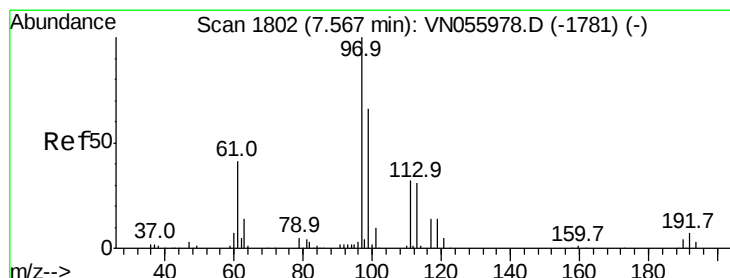
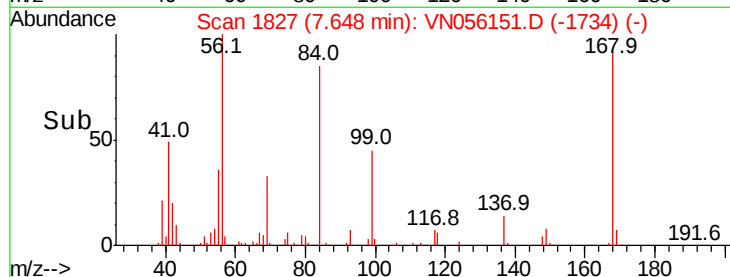
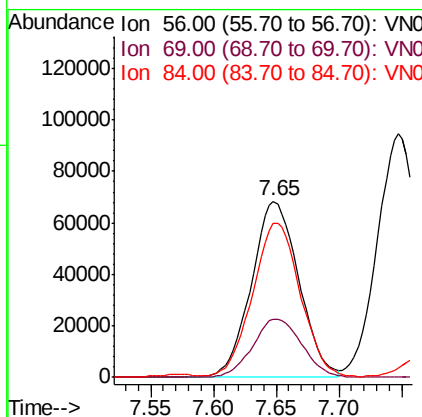
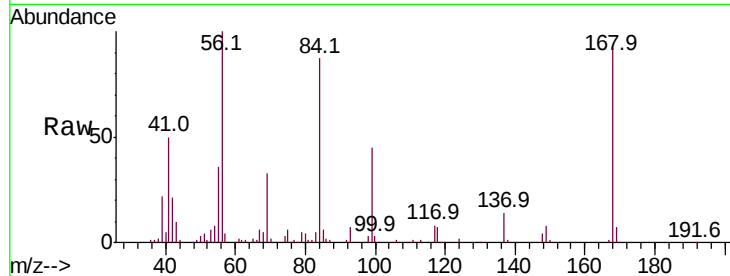
#31
Cvclohexane
Concen: 42.743 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.6	38.4
84	85.9	67.4	101.0

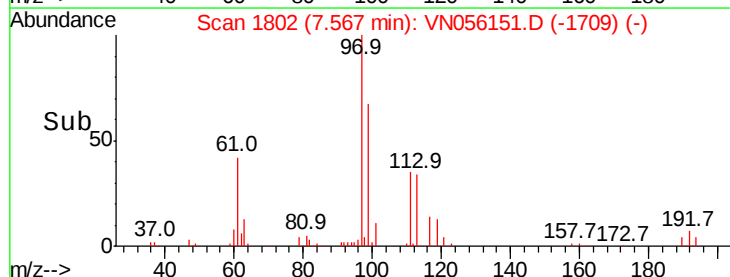
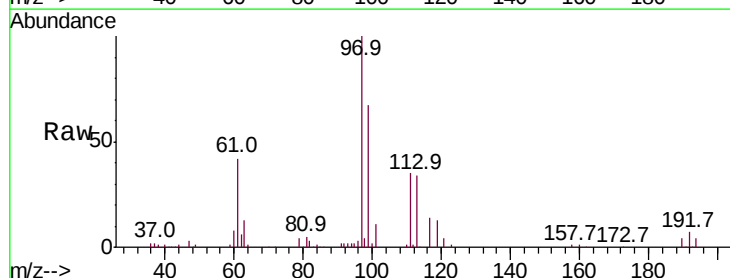
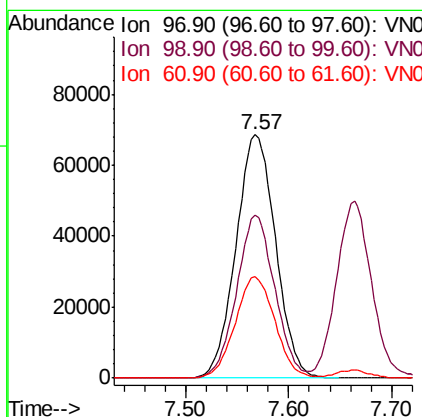
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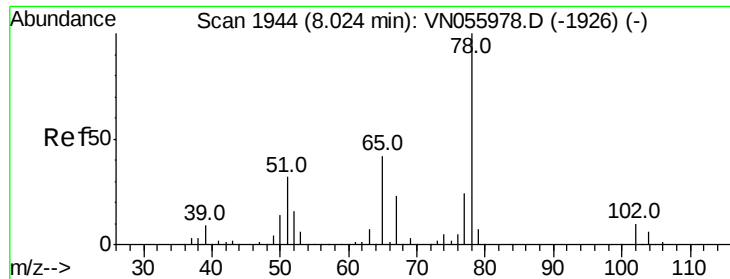
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#32
1,1,1-Trichloroethane
Concen: 51.880 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	41.6	32.9	49.3





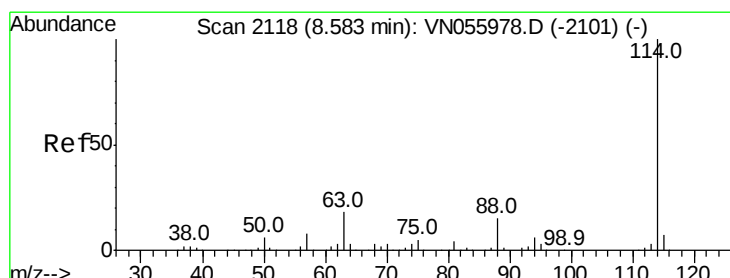
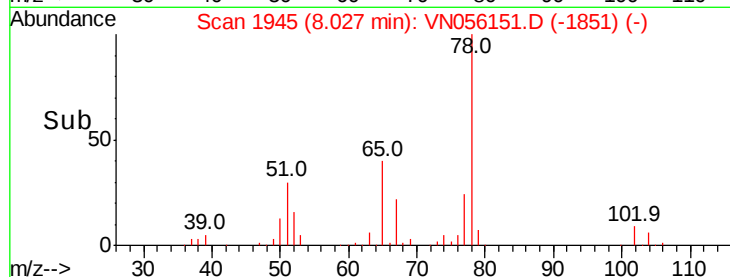
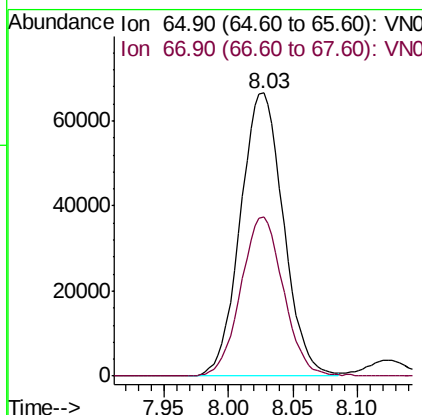
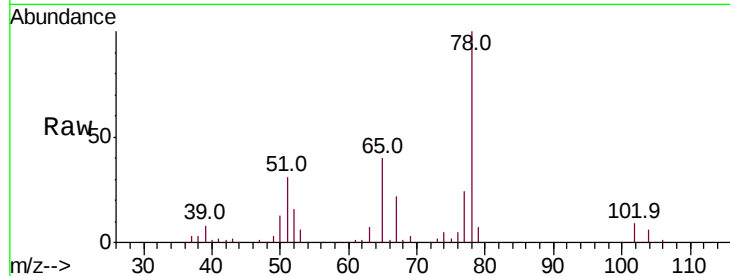
#33
 1,2-Dichloroethane-d4
 Concen: 58.558 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	155010		
67	55.7	0.0	109.2	

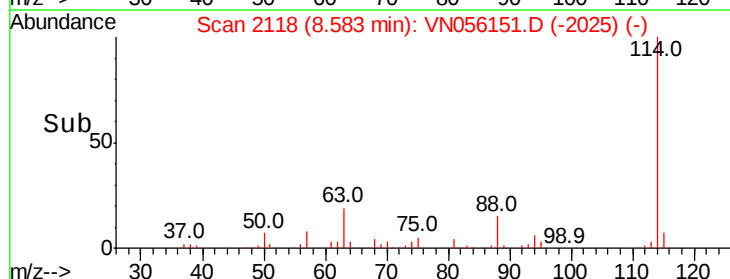
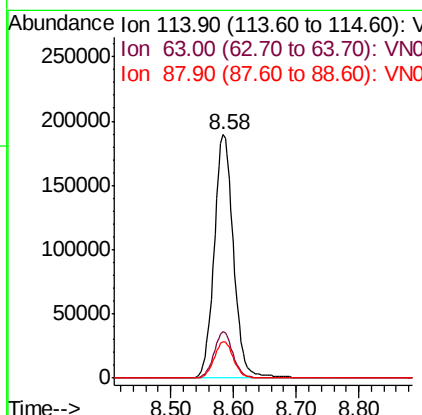
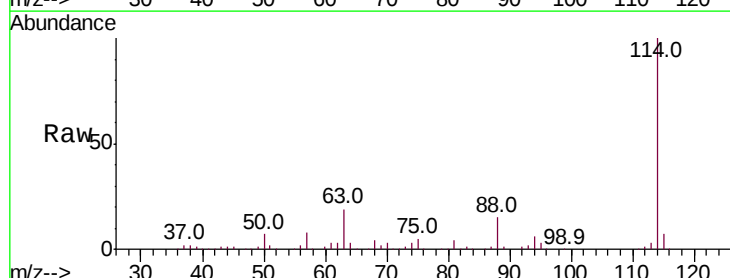
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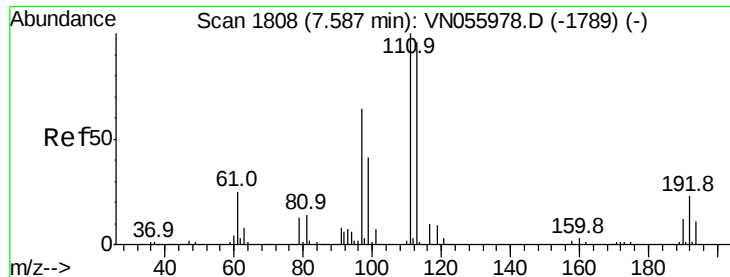
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405708		
63	18.9	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 55.834 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

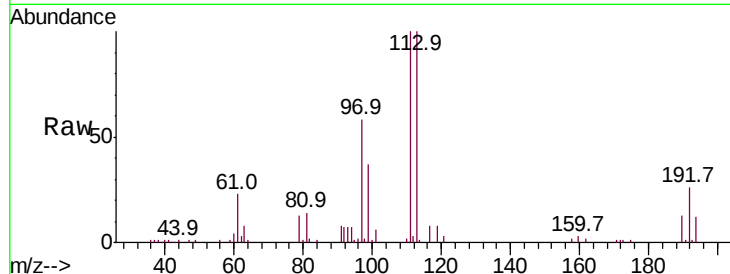
ClientSampleId :

SP19-MMW-3414MSD

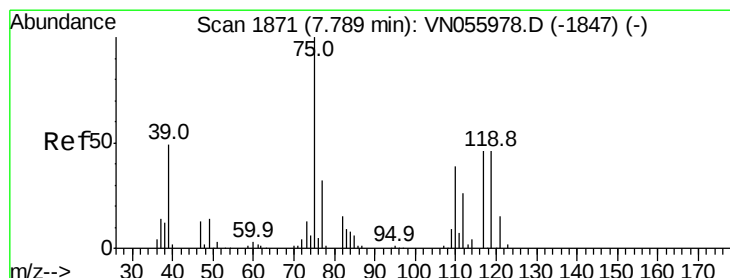
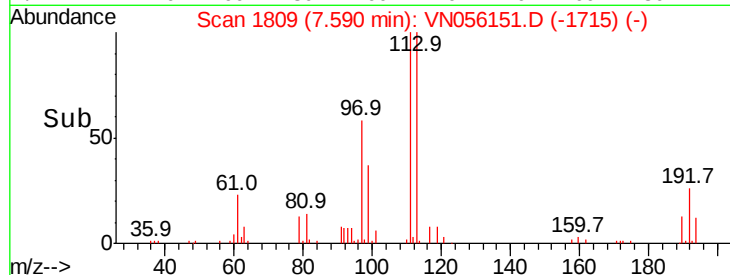
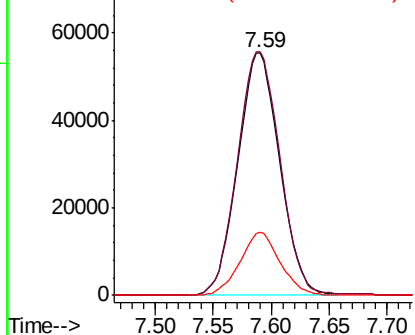
Tot Ion:	113	Resp:	138980
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.9	122.9
192	24.9	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.153 ug/l

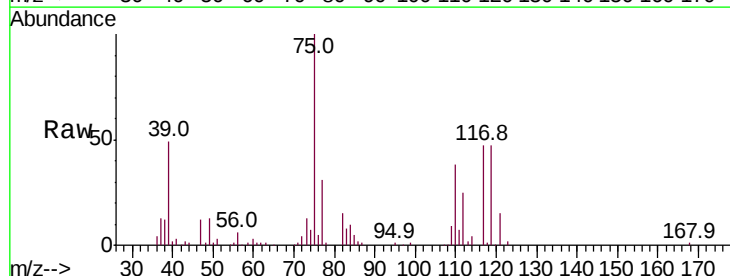
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

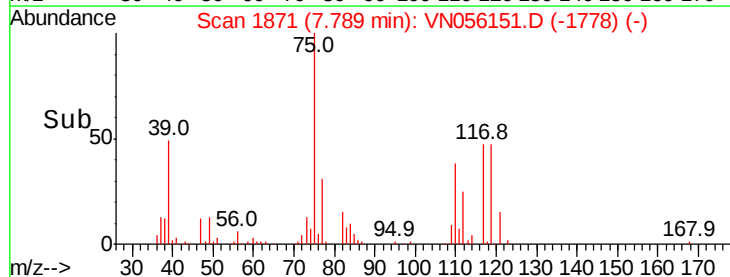
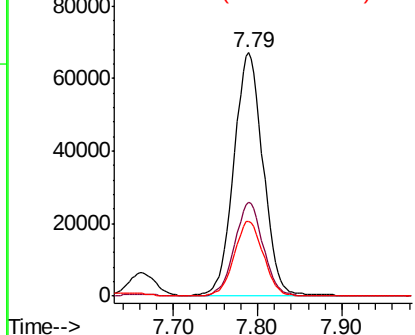
Lab File: VN056151.D

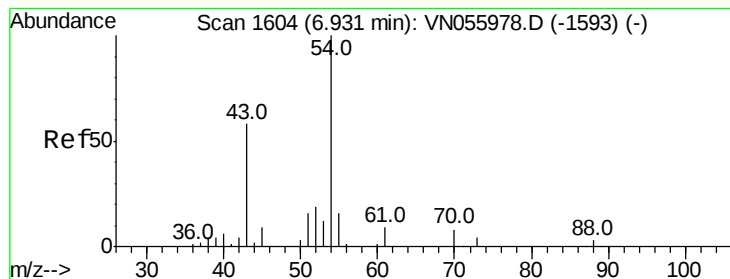
Acq: 8 Jun 2019 14:07

Tgt Ion:	75	Resp:	161007
Ion Ratio	Lower	Upper	
75	100		
110	37.9	19.0	57.0
77	31.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 42.664 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

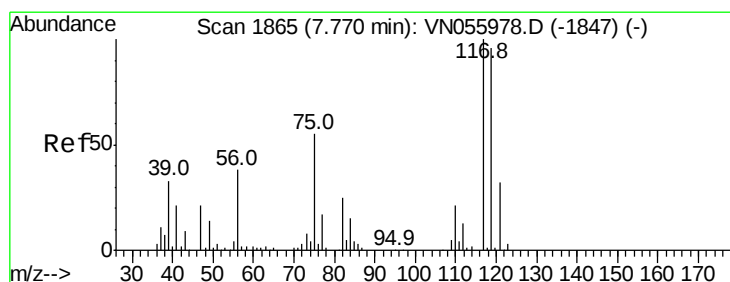
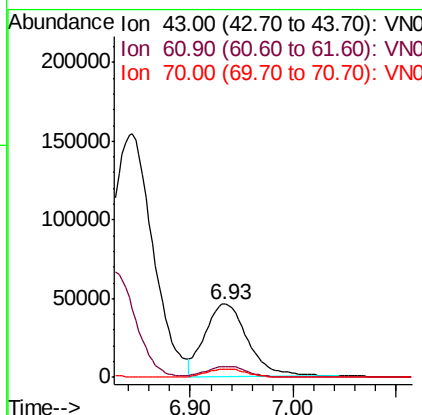
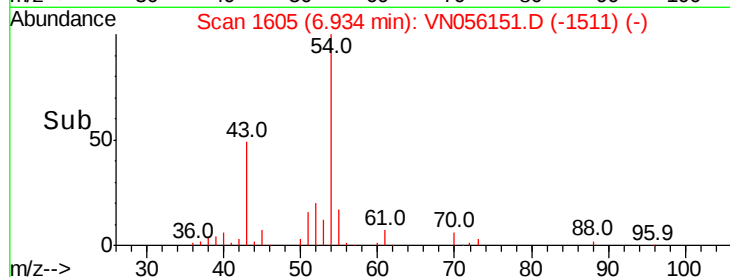
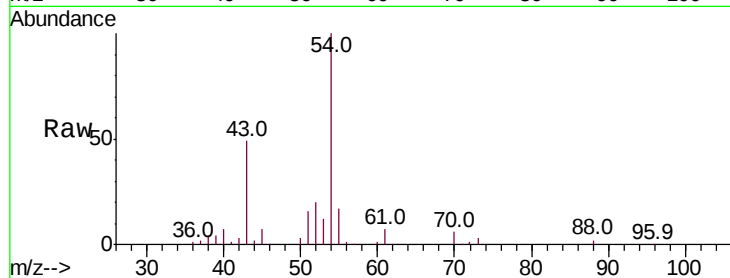
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	43	Resp:	132428
Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	11.2	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 45.959 ug/l

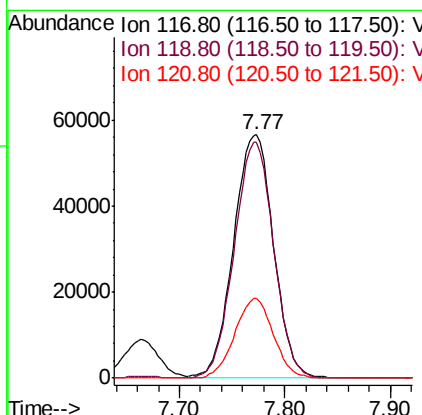
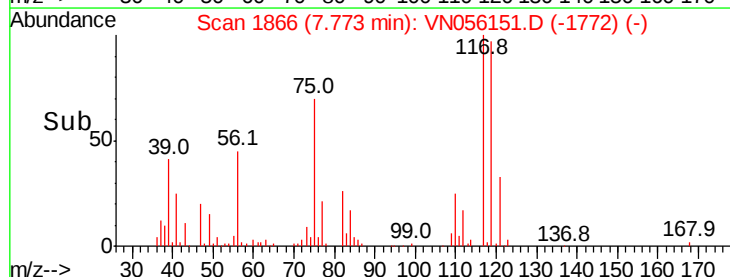
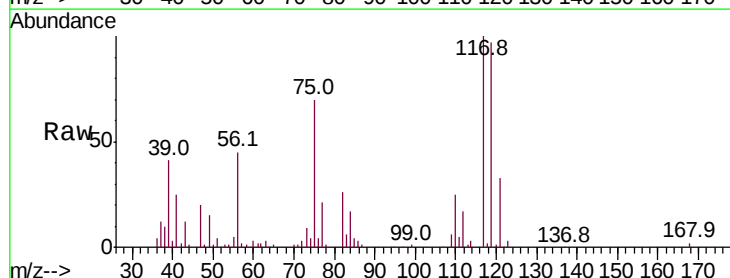
RT: 7.77 min Scan# 1866

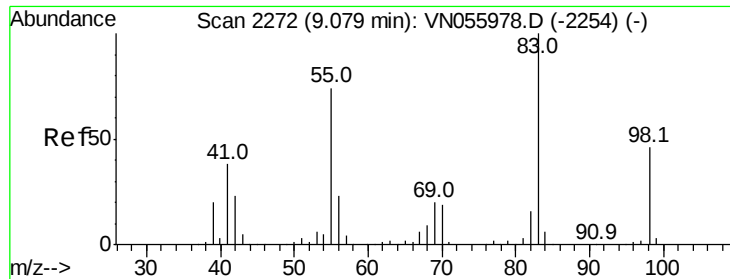
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	117	Resp:	147816
Ion	Ratio	Lower	Upper
117	100		
119	97.0	79.0	118.6
121	33.0	24.7	37.1





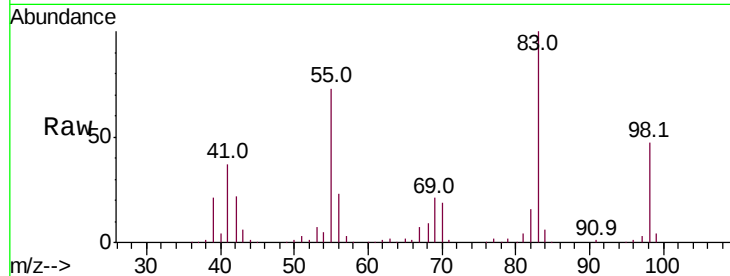
#39
Methvlcvclohexane
Concen: 37.907 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	83	Resp	164733
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	59.3	88.9
98	46.8	36.6	54.8

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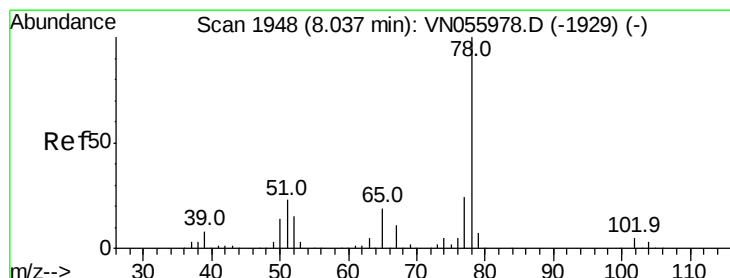
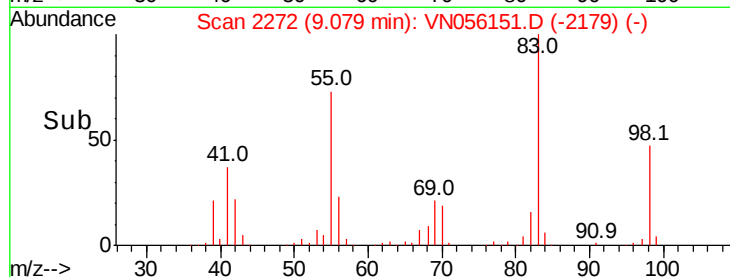
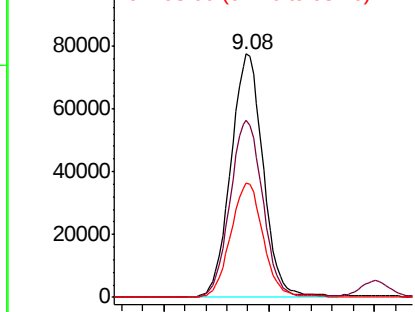


Abundance

Ion 83.00 (82.70 to 83.70): VNC

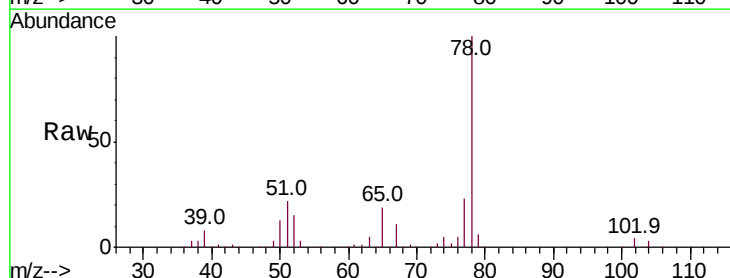
Ion 55.00 (54.70 to 55.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#40
Benzene
Concen: 51.803 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

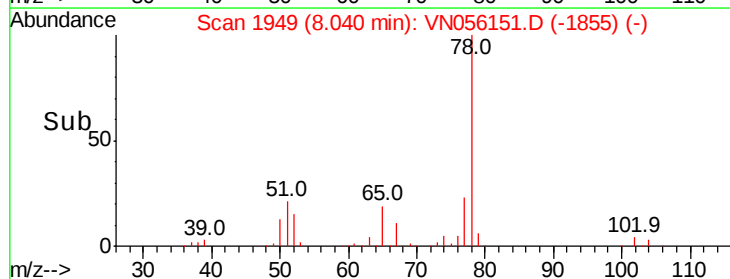
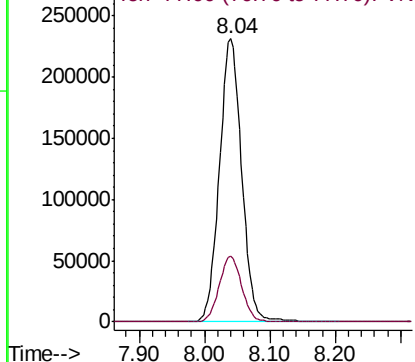
Tgt Ion	78	Resp	548877
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2

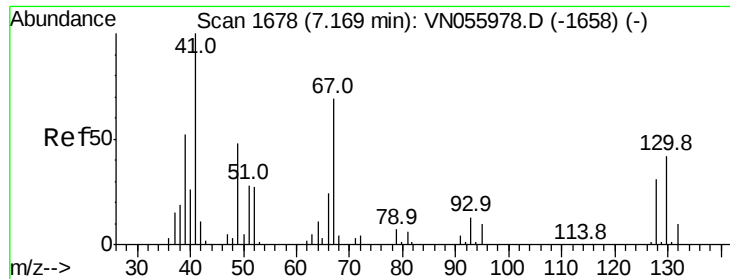


Abundance

Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC





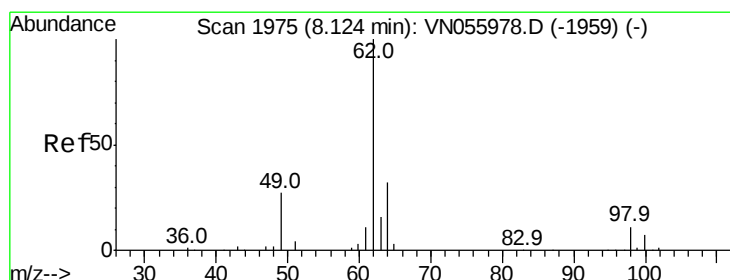
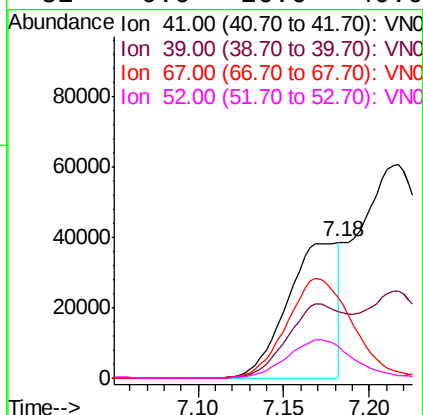
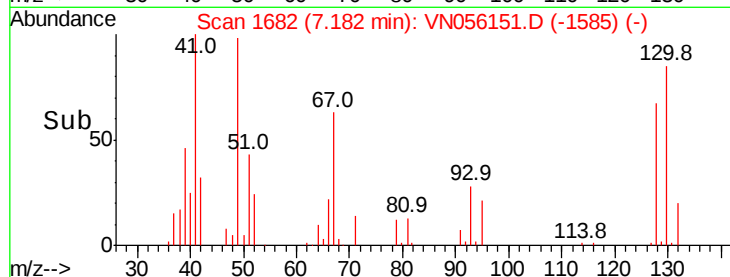
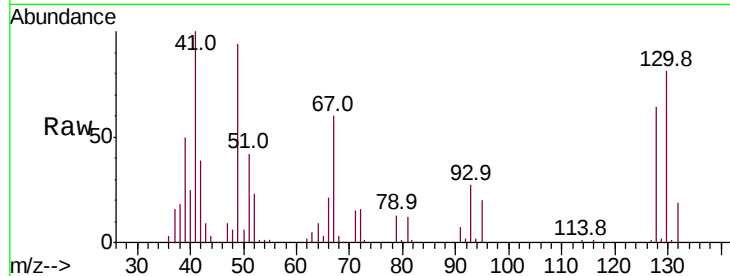
#41
Methacrylonitrile
Concen: 55.410 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.6	68.4#
67	0.0	67.7	101.5#
52	0.0	26.6	40.0#

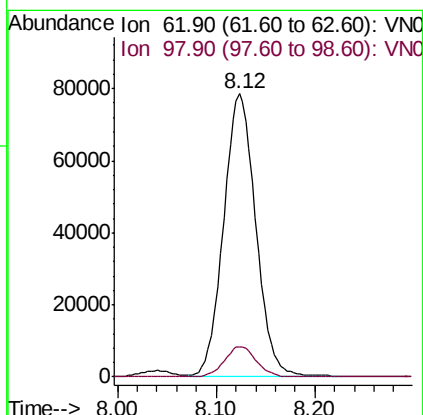
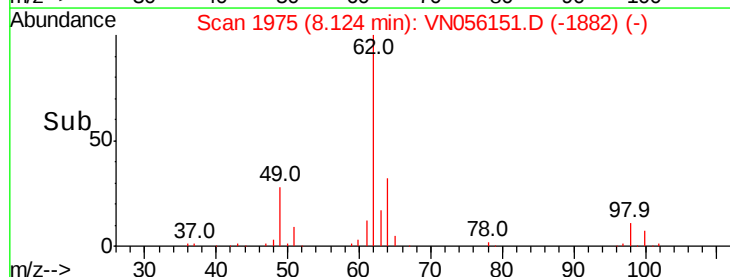
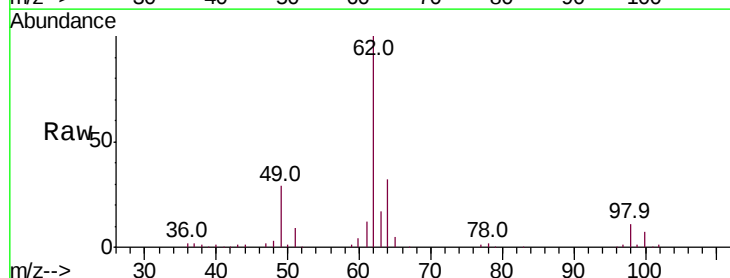
Manual Integrations
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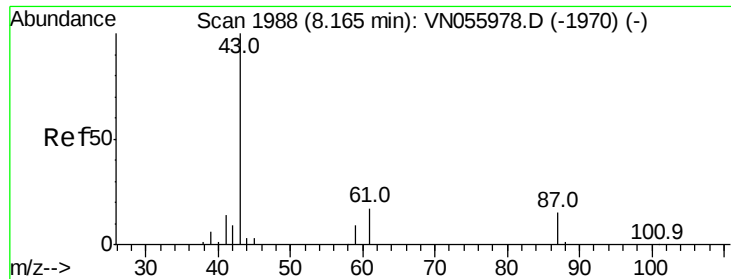
MMDadoda
6/10/2019 11:25:47 AM



#42
1,2-Dichloroethane
Concen: 52.284 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 43.994 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

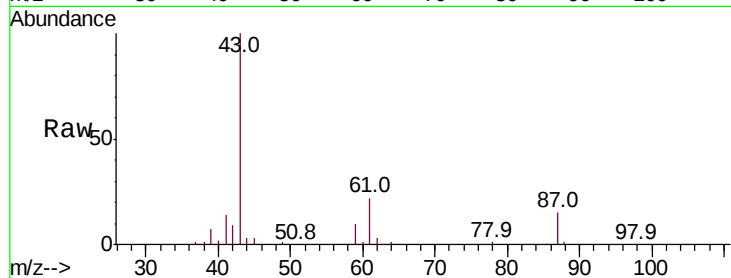
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	43	Resp:	221280
Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.2	33.4#
87	14.8	11.4	17.2

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

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

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

8.17

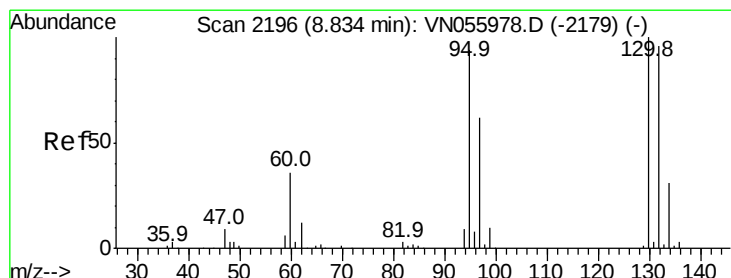
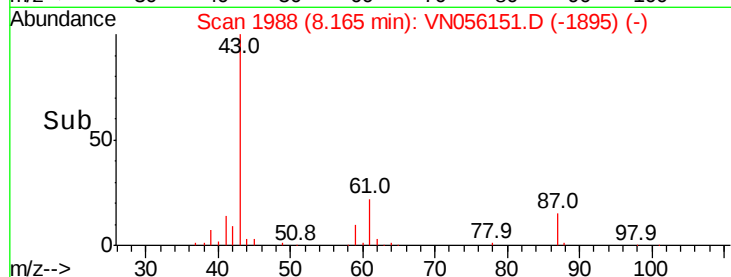
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.602 ug/l

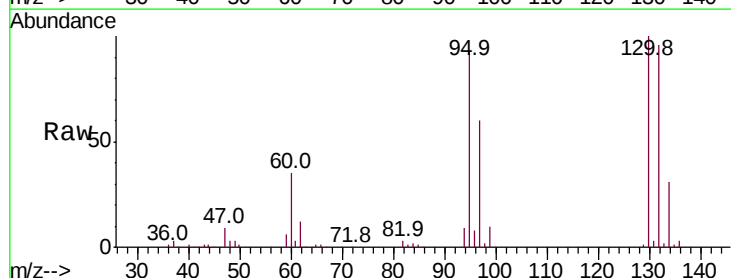
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	130	Resp:	147973
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	188.0



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

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

8.83

80000

60000

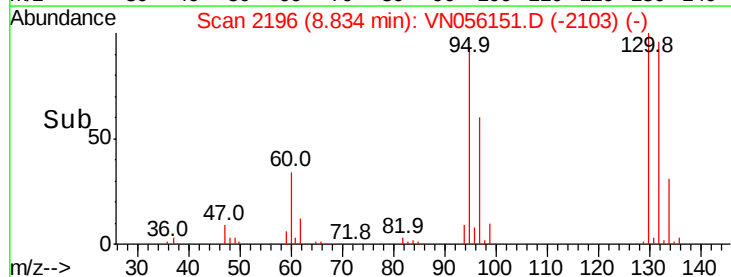
40000

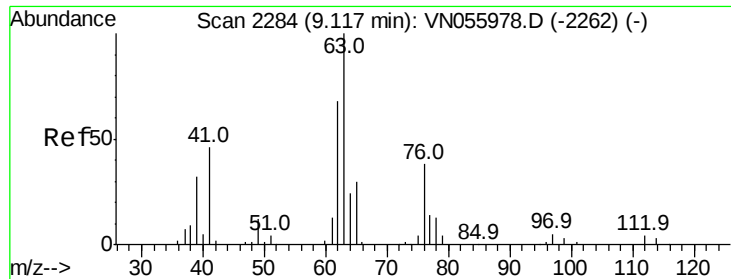
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





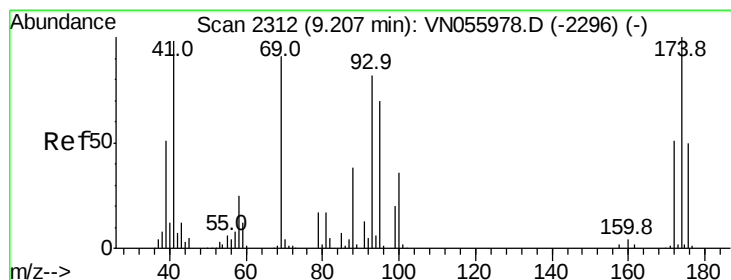
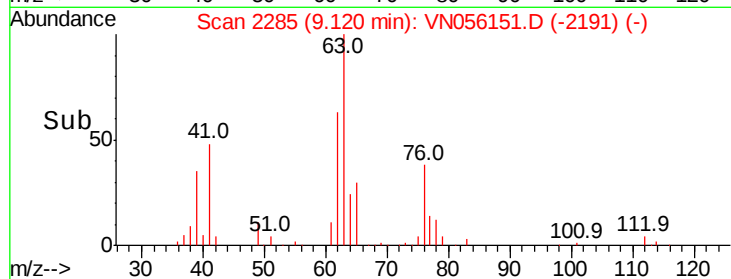
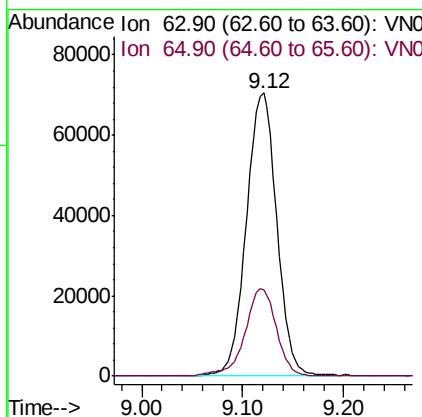
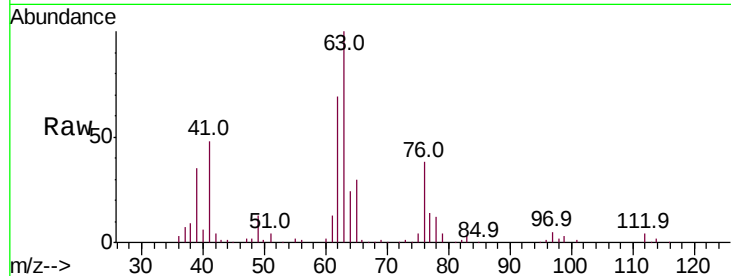
#45
1,2-Dichloropropane
Concen: 54.286 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 63 Resp: 147329
Ion Ratio Lower Upper
63 100
65 30.5 24.6 36.8

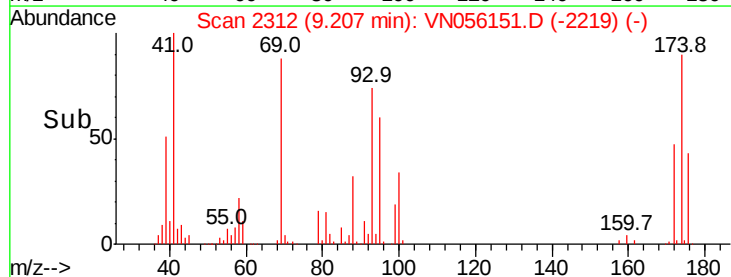
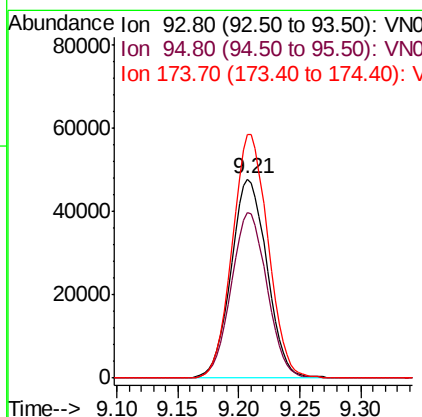
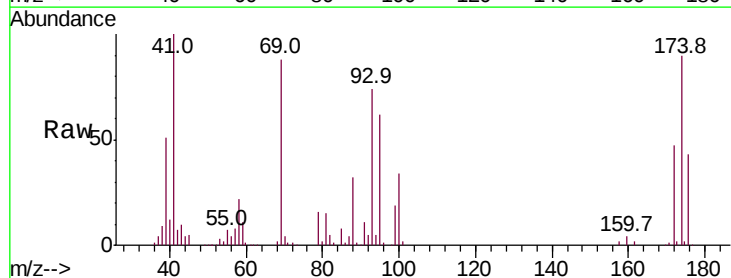
Manual Integrations
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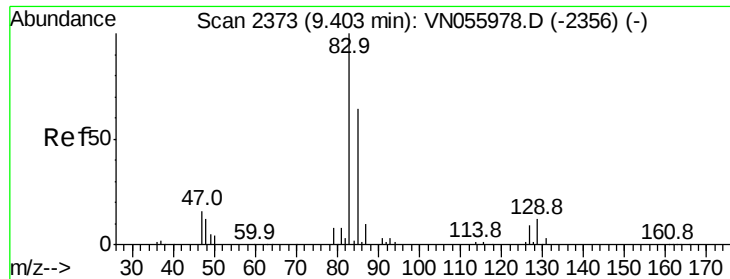
MMDadoda
6/10/2019 11:25:47 AM



#46
Dibromomethane
Concen: 55.166 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 93 Resp: 97904
Ion Ratio Lower Upper
93 100
95 83.1 66.7 100.1
174 121.8 96.4 144.6





#47

Bromodichloromethane

Concen: 53.183 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

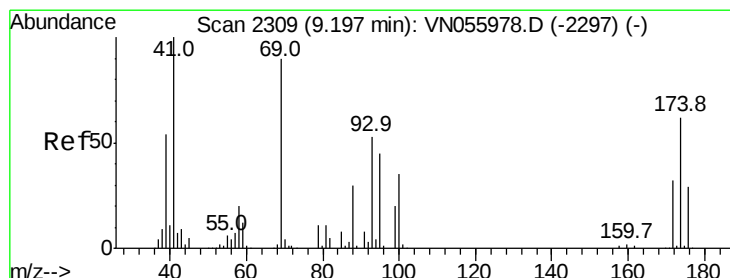
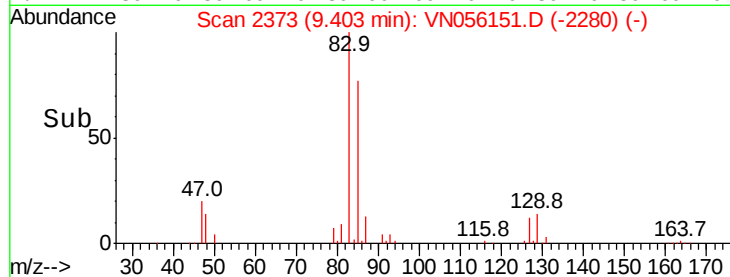
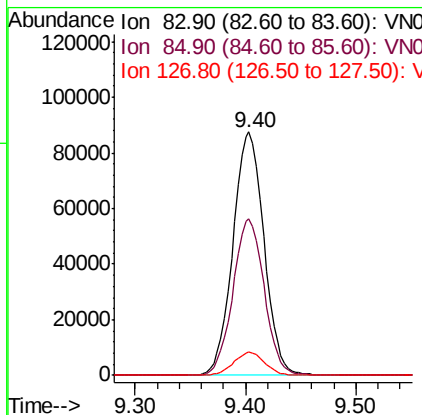
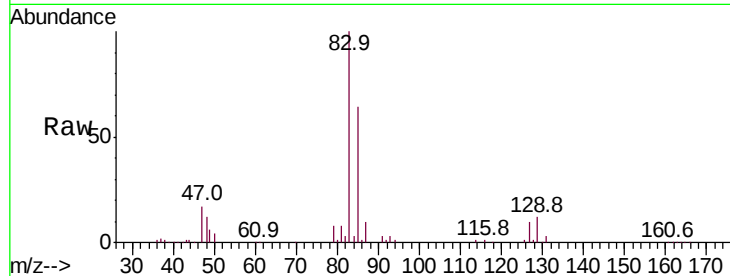
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	83	Resp:	171065
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2
127	9.6	7.4	11.0

Manual Integrations
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MMDadoda
6/10/2019 11:25:47 AM



#48

Methyl methacrylate

Concen: 57.189 ug/l

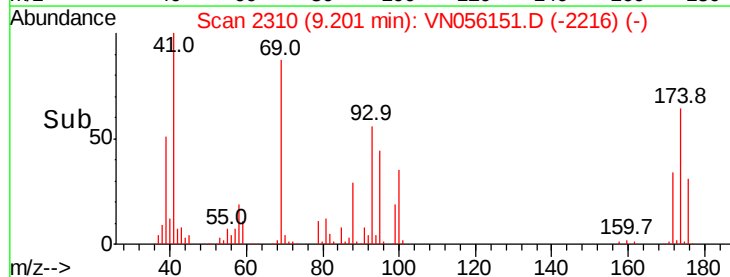
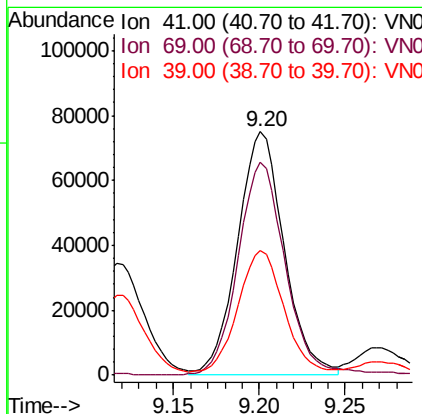
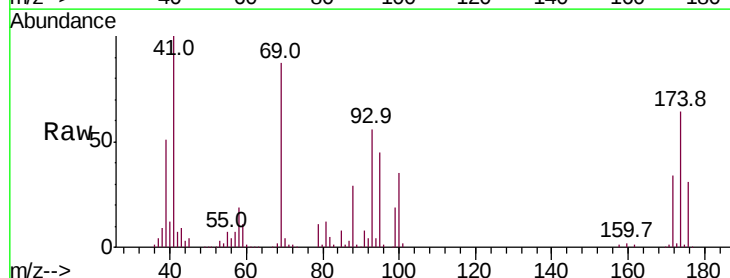
RT: 9.20 min Scan# 2310

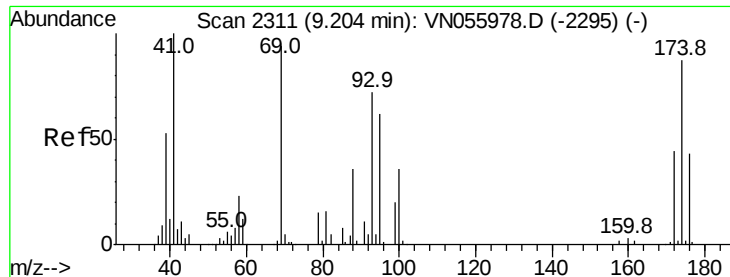
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	41	Resp:	140726
Ion	Ratio	Lower	Upper
41	100		
69	89.3	71.0	106.6
39	51.7	44.2	66.2





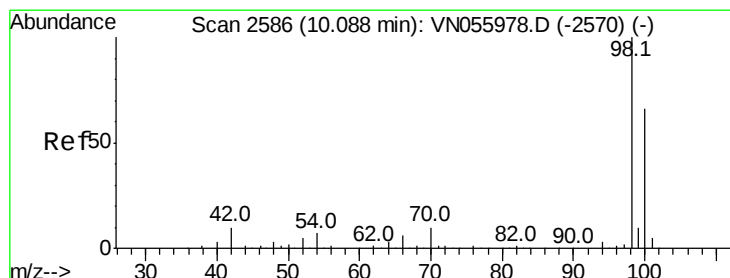
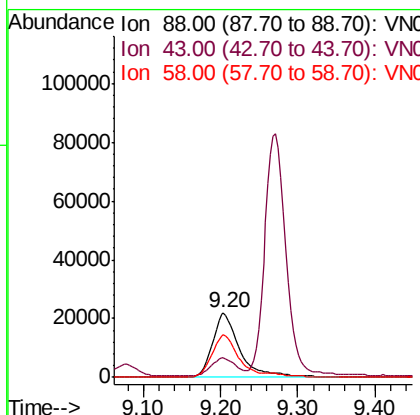
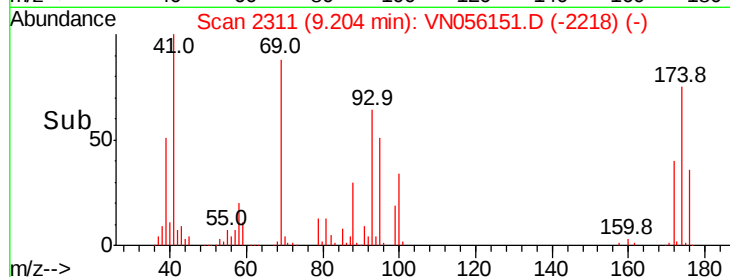
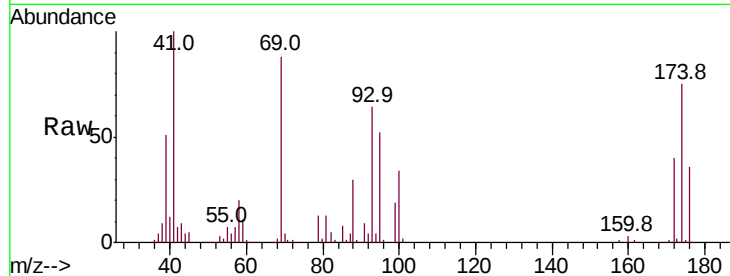
#49
1,4-Dioxane
Concen: 1027.154 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion: 88 Resp: 54567
Ion Ratio Lower Upper
88 100
43 26.0 20.5 30.7
58 64.1 55.8 83.6

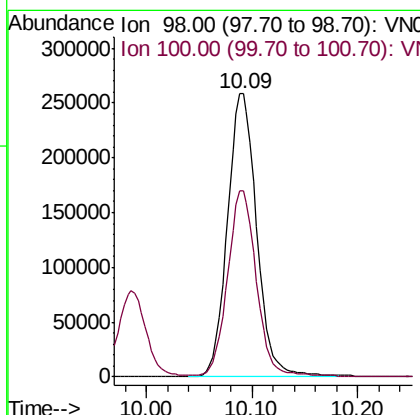
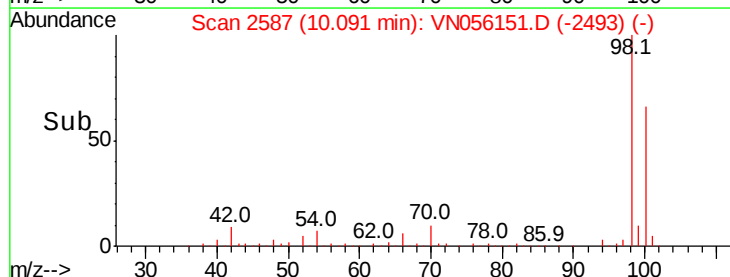
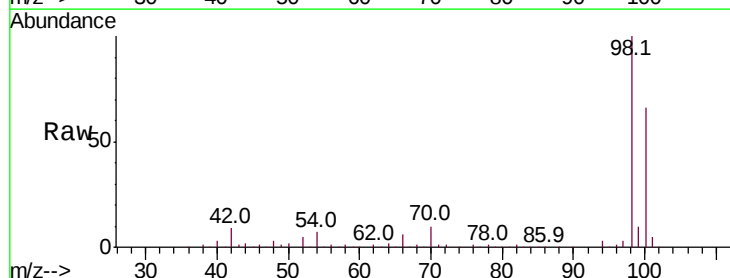
Manual Integrations
APPROVED

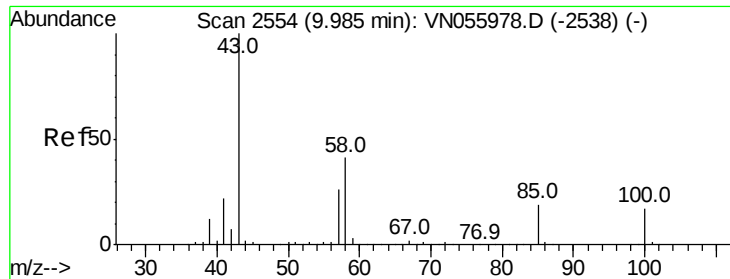
MMDadoda
6/10/2019 11:25:47 AM



#50
Toluene-d8
Concen: 51.677 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion: 98 Resp: 494974
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 287.871 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 43 Resp: 905473

Ion Ratio Lower Upper

43 100

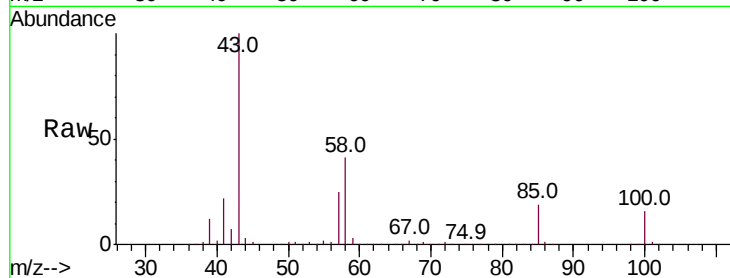
58 40.1 32.1 48.1

Manual Integrations

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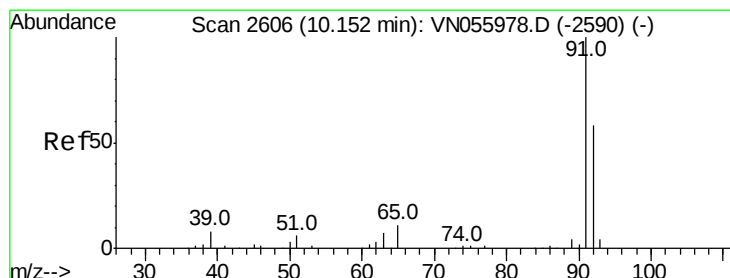
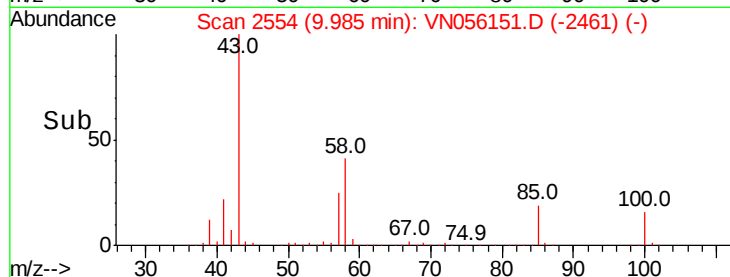
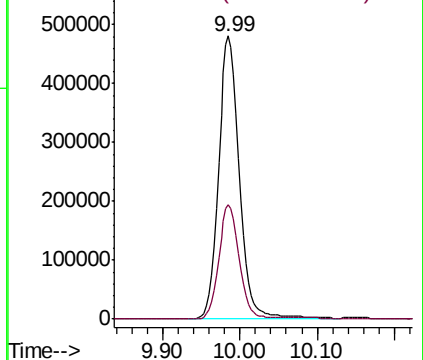
MMDadoda

6/10/2019 11:25:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.321 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056151.D

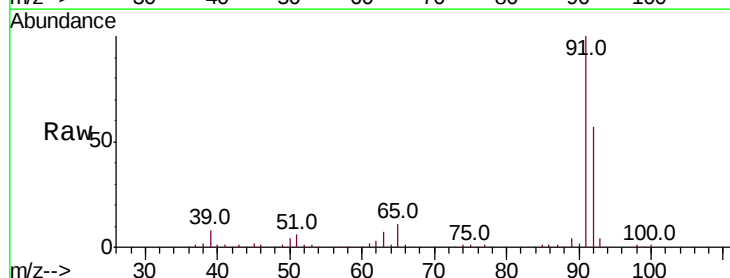
Acq: 8 Jun 2019 14:07

Tgt Ion: 92 Resp: 331774

Ion Ratio Lower Upper

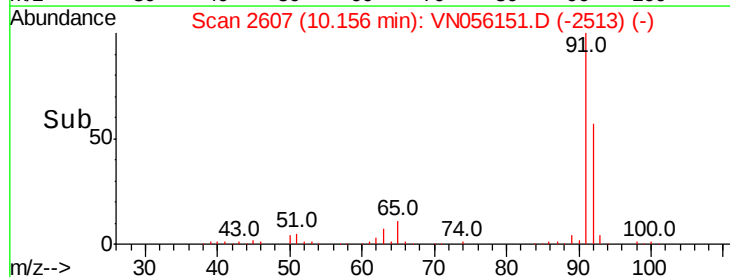
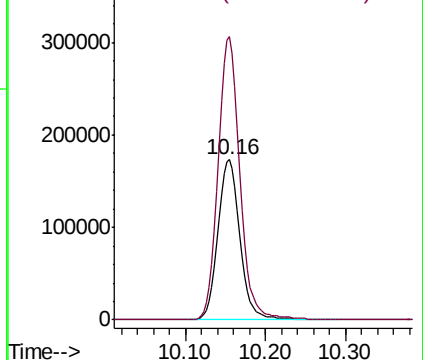
92 100

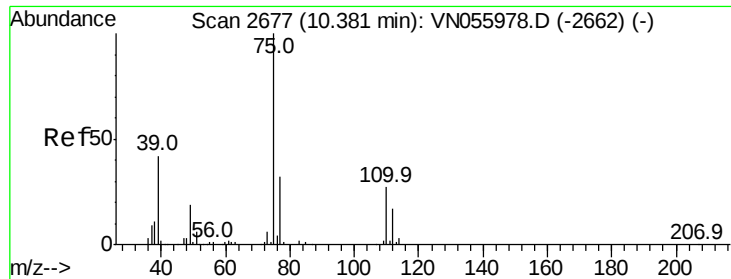
91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





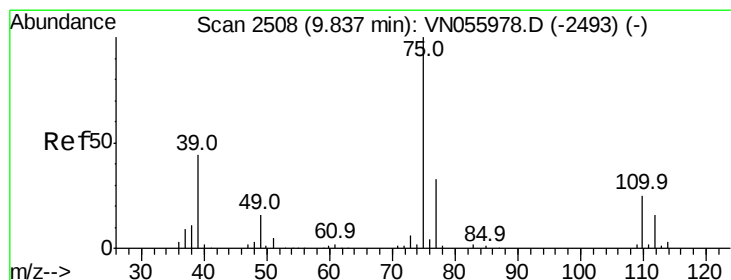
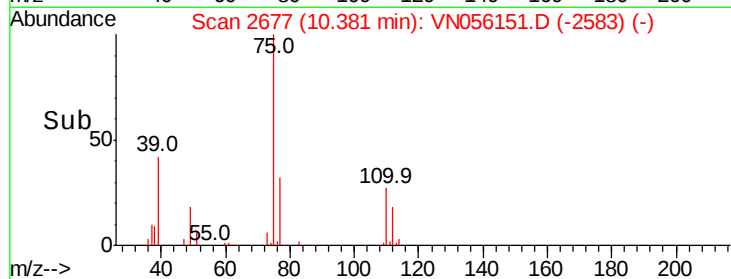
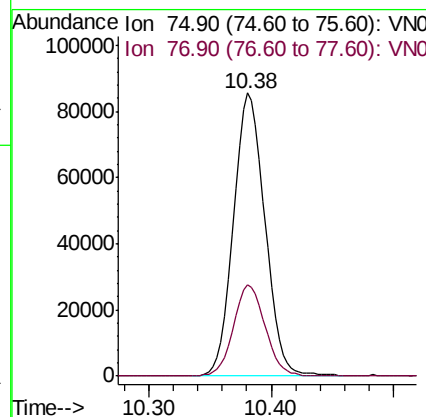
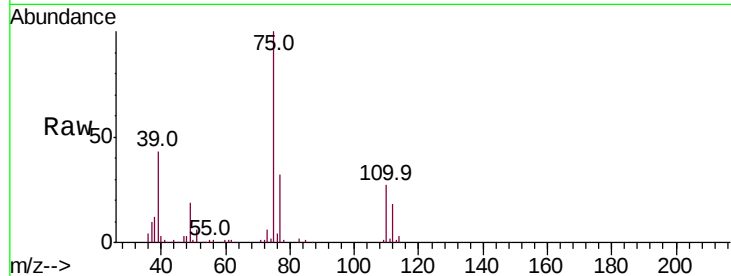
#53
 t-1,3-Dichloropropene
 Concen: 41.274 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion: 75 Resp: 153990
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6

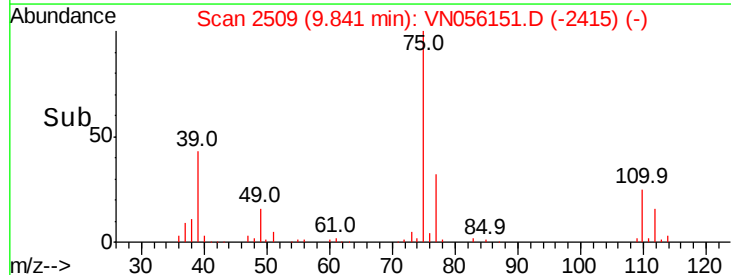
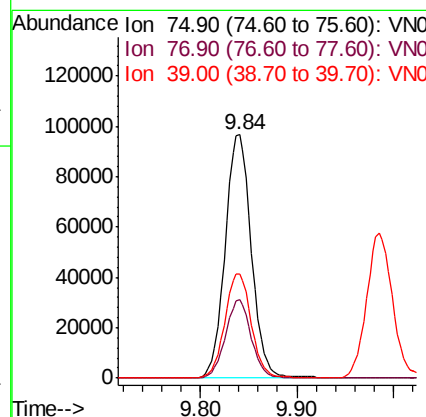
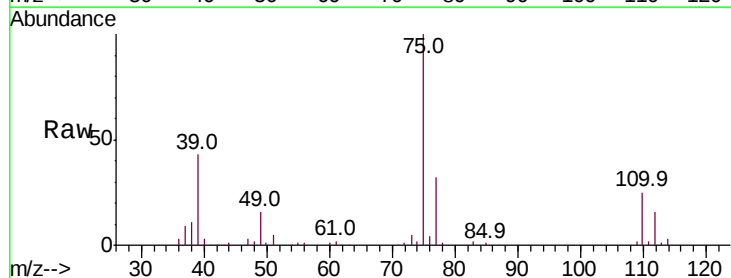
Manual Integrations
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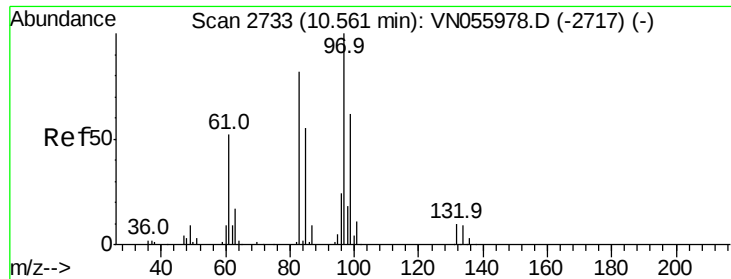
MMDadoda
 6/10/2019 11:25:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.015 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion: 75 Resp: 181772
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0
 39 43.0 36.3 54.5





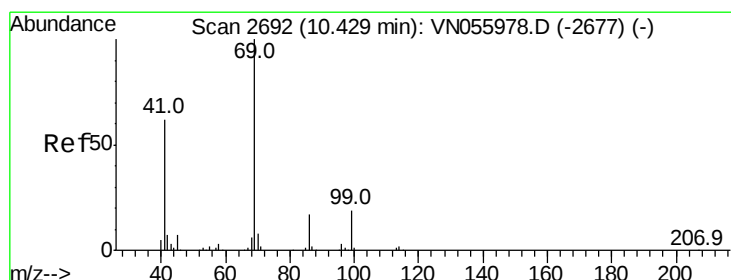
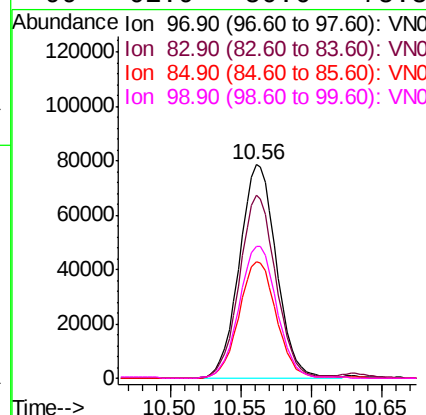
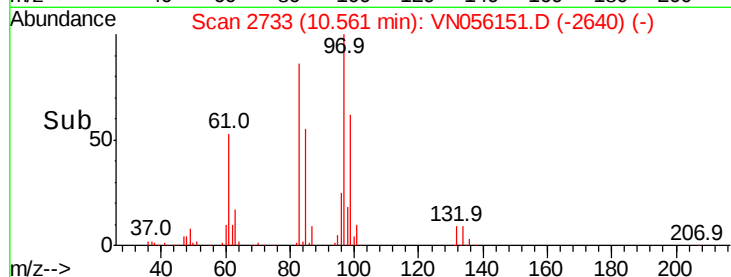
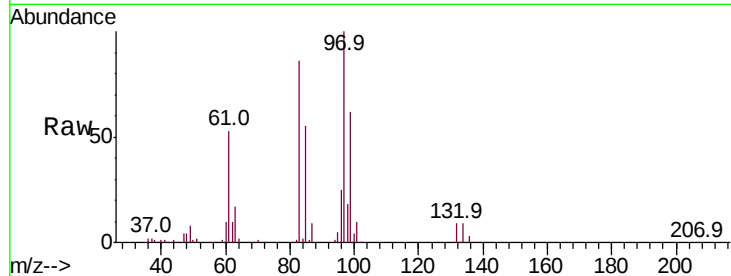
#55
 1,1,2-Trichloroethane
 Concen: 55.398 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.0	100.6
85	54.7	44.0	66.0
99	61.9	50.6	75.8

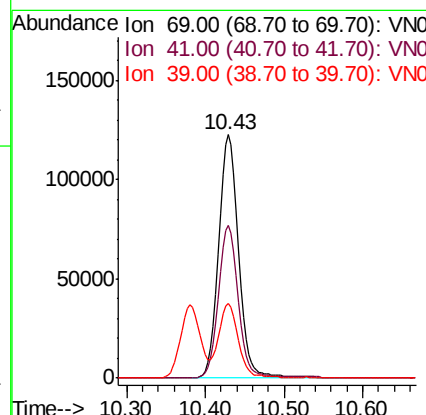
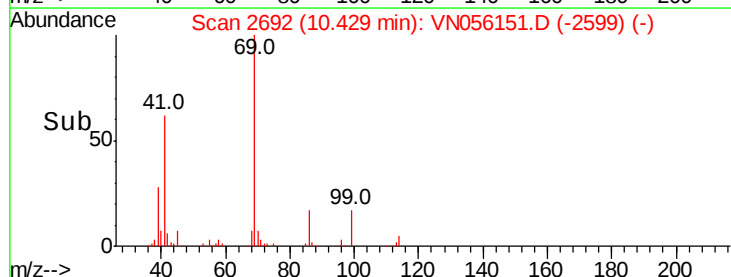
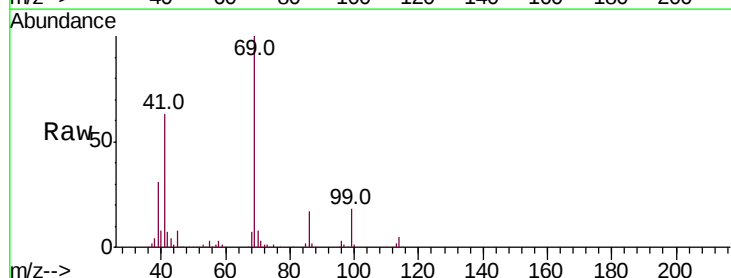
Manual Integrations
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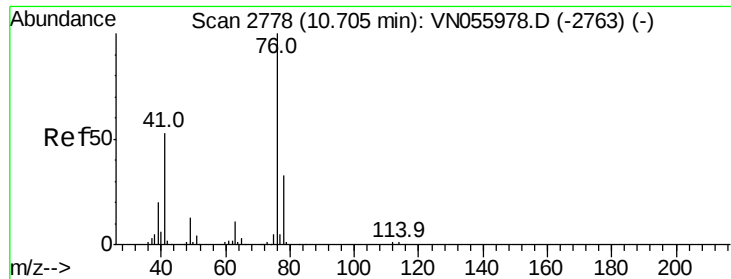
MMDadoda
 6/10/2019 11:25:47 AM



#56
 Ethyl methacrylate
 Concen: 56.296 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.7	74.5
39	30.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 54.715 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 76 Resp: 232298

Ion Ratio Lower Upper

76 100

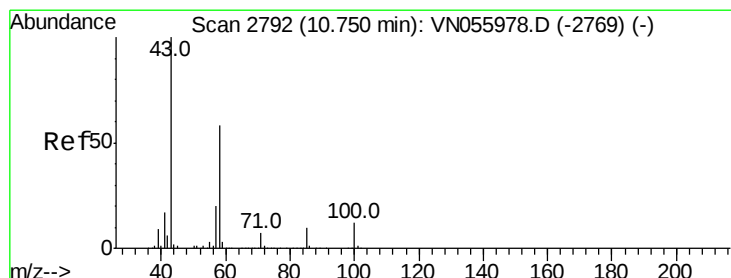
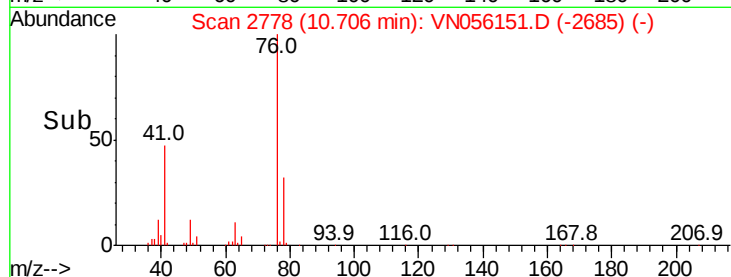
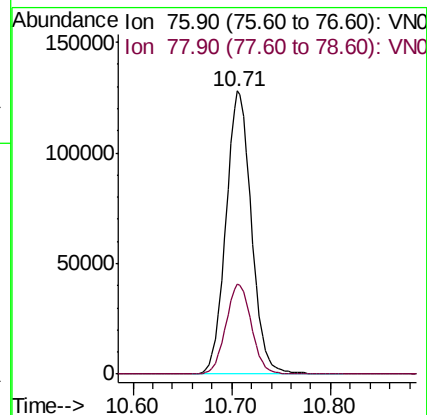
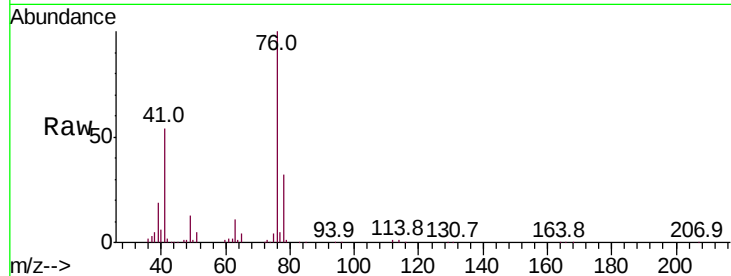
78 32.1 25.8 38.6

Manual Integrations

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#59

2-Hexanone

Concen: 275.319 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056151.D

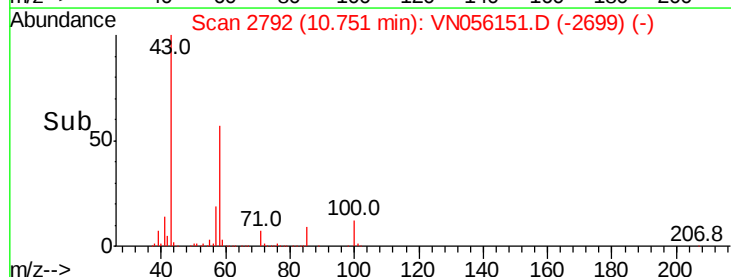
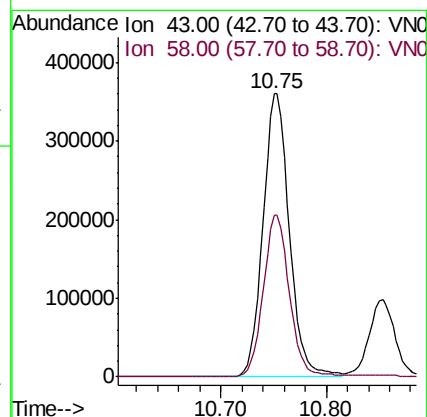
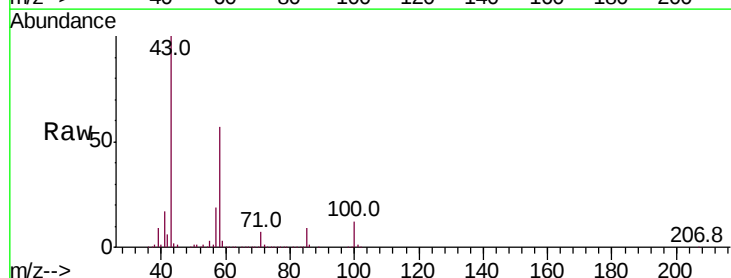
Acq: 8 Jun 2019 14:07

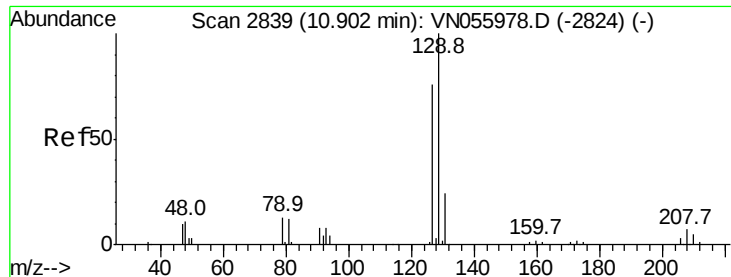
Tgt Ion: 43 Resp: 627651

Ion Ratio Lower Upper

43 100

58 56.8 28.2 84.7





#60

Dibromochloromethane

Concen: 48.539 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:129 Resp: 139593

Ion Ratio Lower Upper

129 100

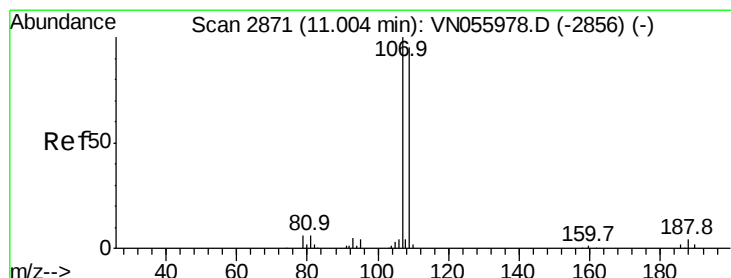
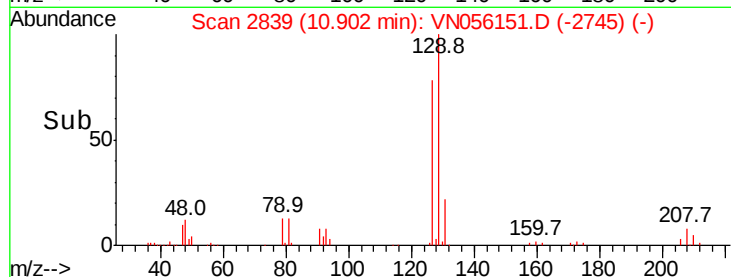
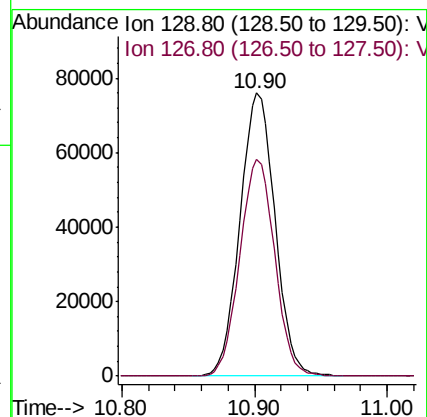
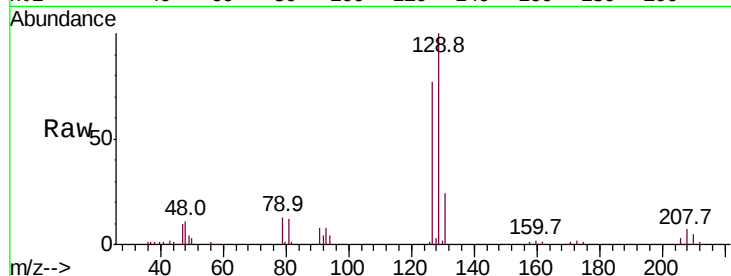
127 76.3 38.1 114.3

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 56.189 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056151.D

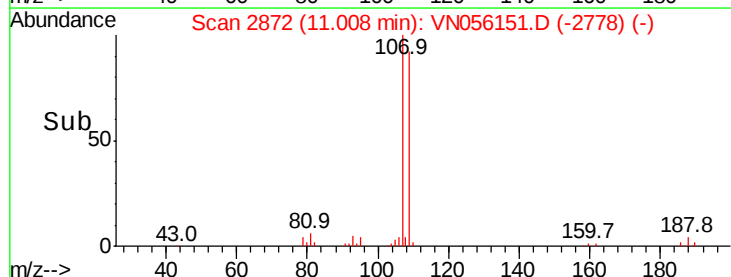
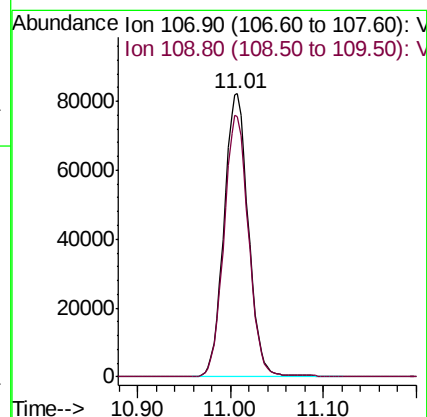
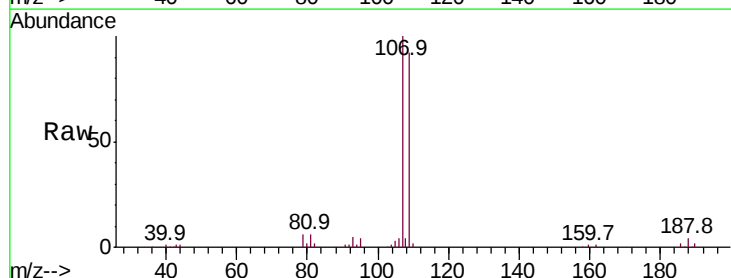
Acq: 8 Jun 2019 14:07

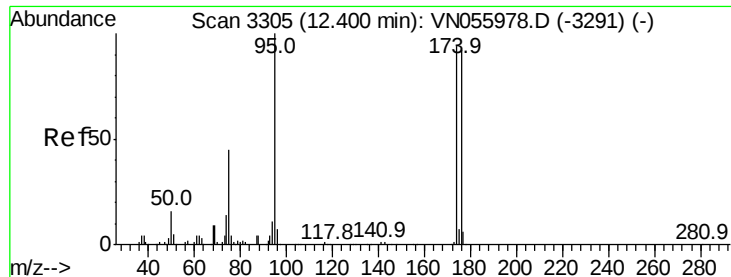
Tgt Ion:107 Resp: 150018

Ion Ratio Lower Upper

107 100

109 92.5 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 52.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

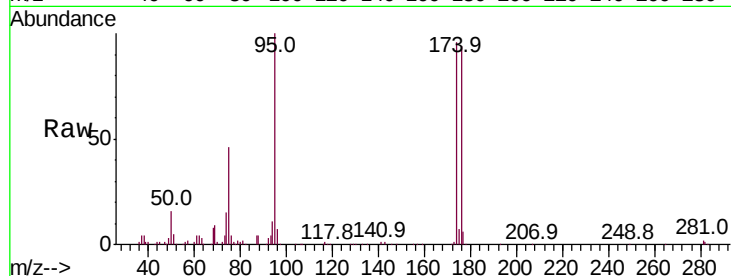
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	95	Resp:	170016
Ion Ratio	Lower	Upper	
95	100		
174	96.3	0.0	191.0
176	94.3	0.0	185.2

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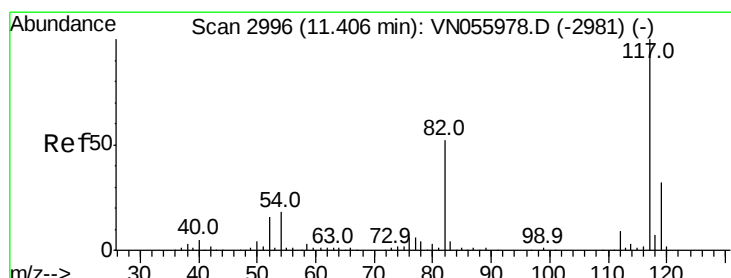
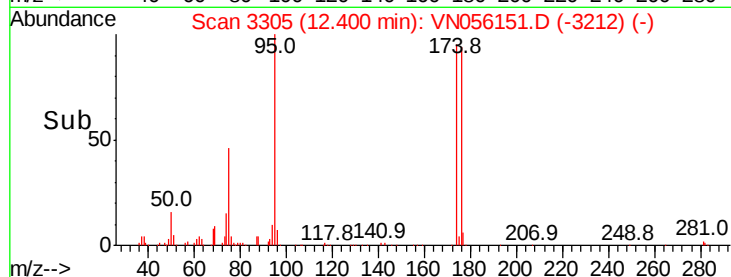
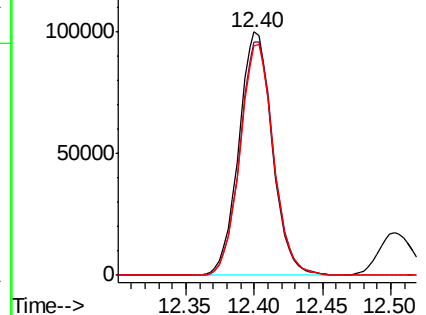
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Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

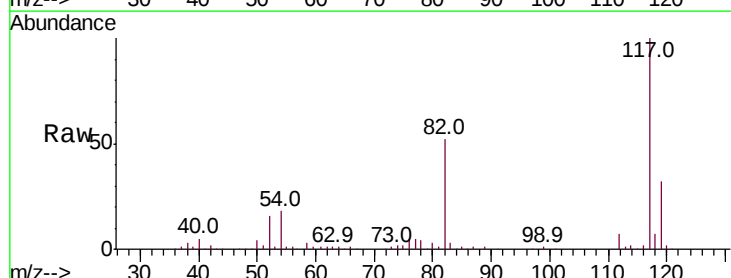
RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

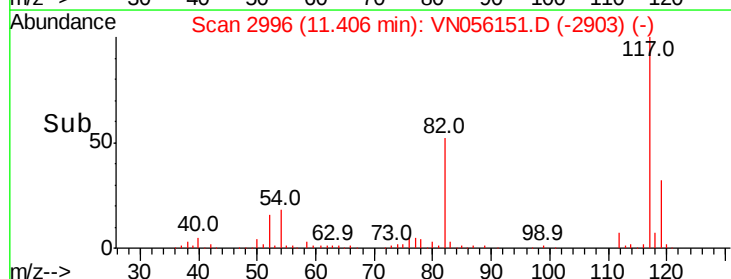
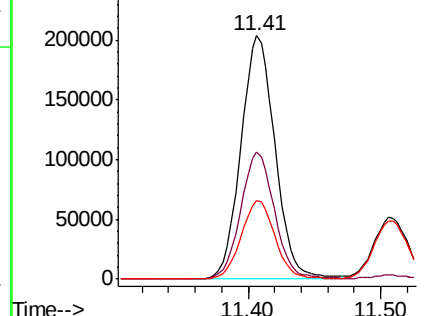
Tgt Ion:	117	Resp:	364606
Ion Ratio	Lower	Upper	
117	100		
82	52.0	41.8	62.8
119	32.1	25.4	38.0

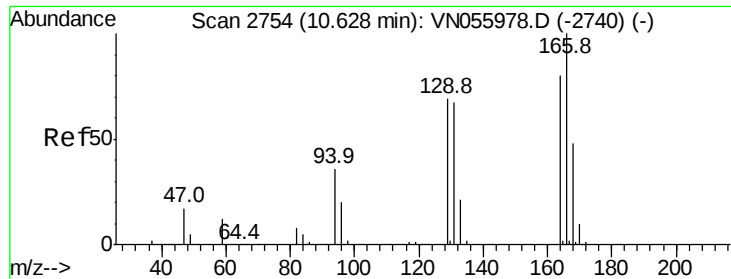


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#64

Tetrachloroethene

Concen: 41.867 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:164 Resp: 132134

Ion Ratio Lower Upper

164 100

166 126.7 103.0 154.6

129 84.8 70.6 105.8

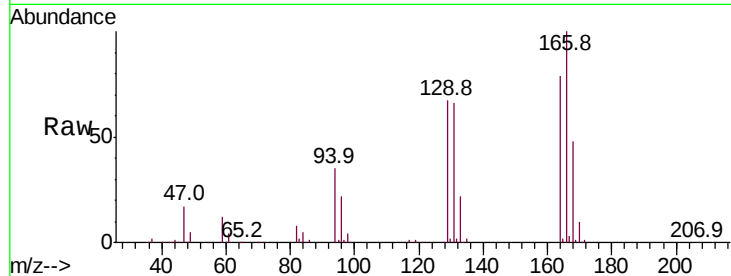
131 84.1 68.6 102.8

Manual Integrations

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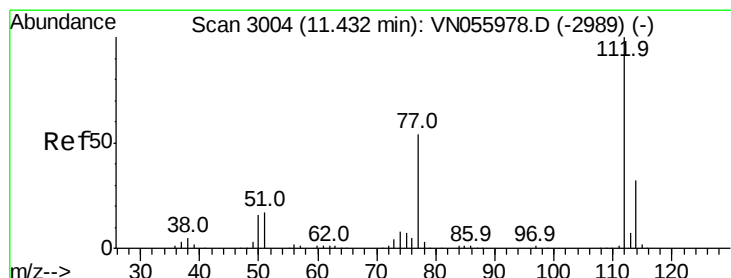
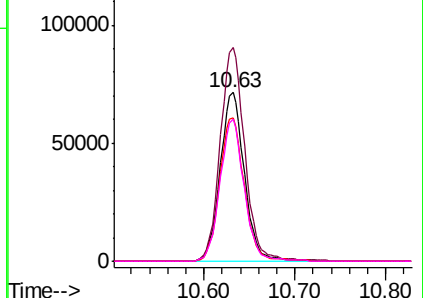
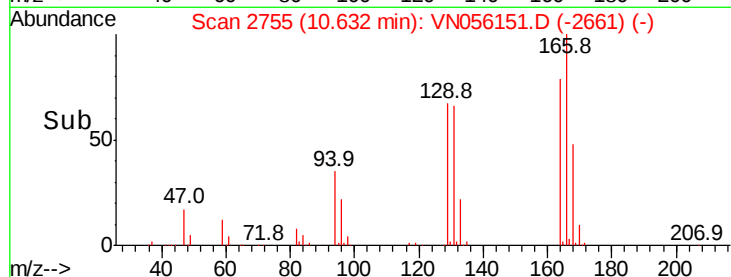


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.174 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056151.D

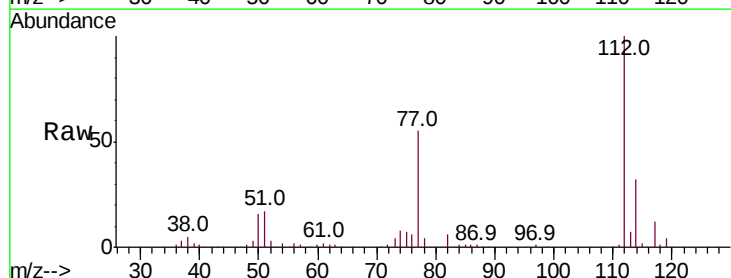
Acq: 8 Jun 2019 14:07

Tgt Ion:112 Resp: 356826

Ion Ratio Lower Upper

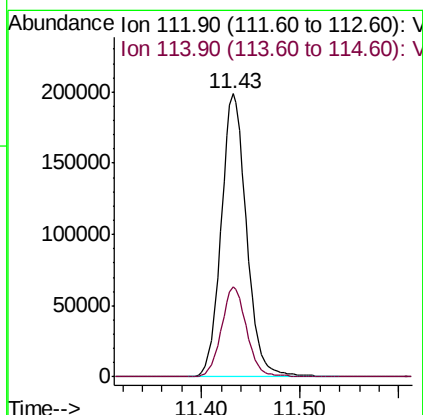
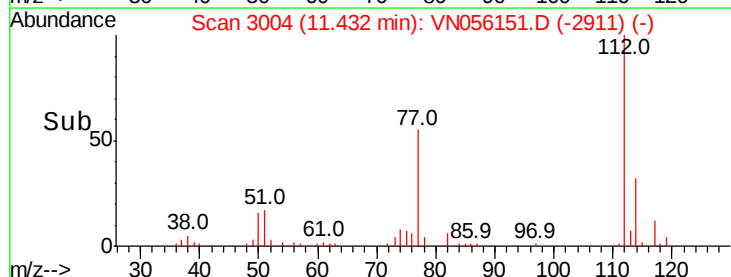
112 100

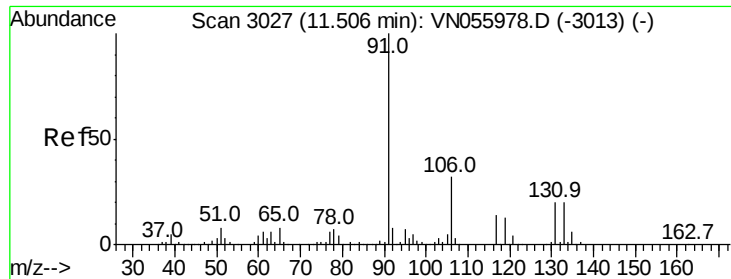
114 31.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.850 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

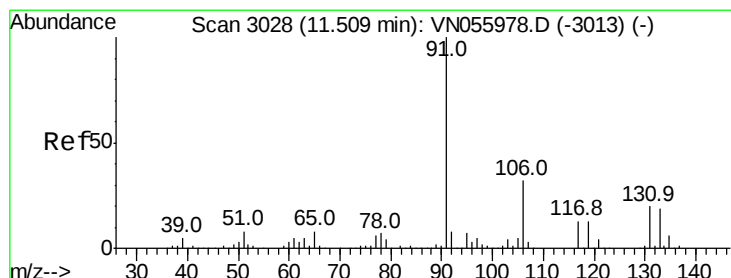
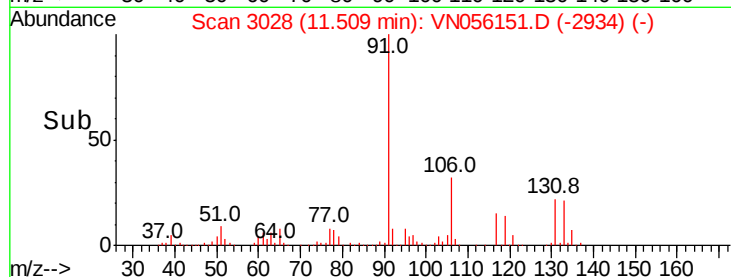
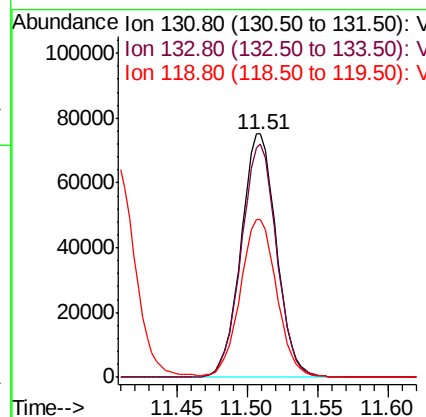
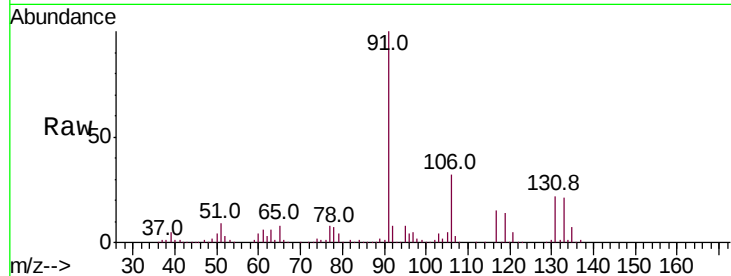
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	132417		
133	95.5	48.0	144.0	
119	66.8	33.1	99.5	

Manual Integrations
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#67

Ethyl Benzene

Concen: 47.448 ug/l

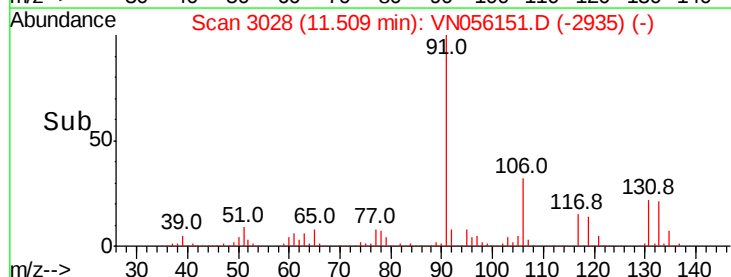
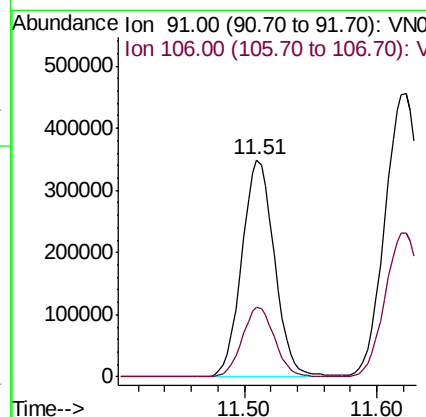
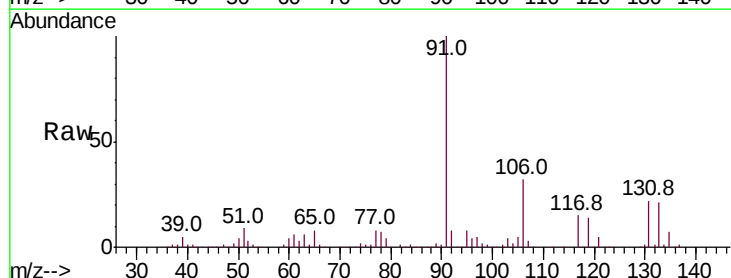
RT: 11.51 min Scan# 3028

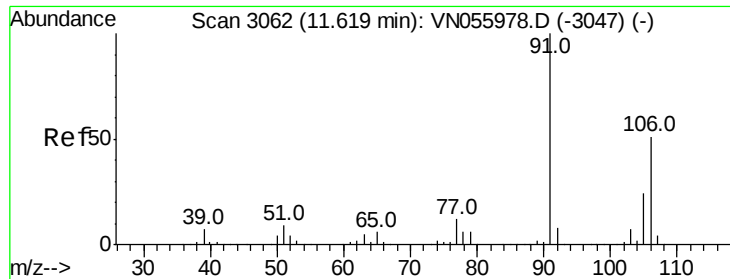
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	598683		
106	32.2	25.1	37.7	





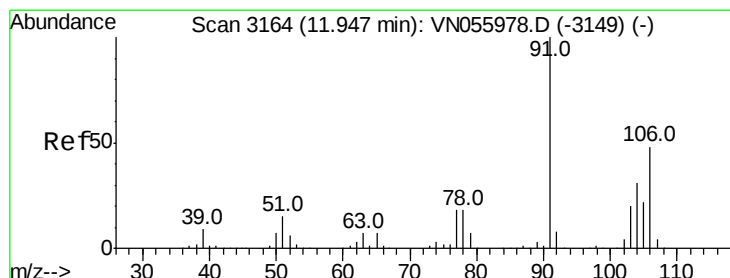
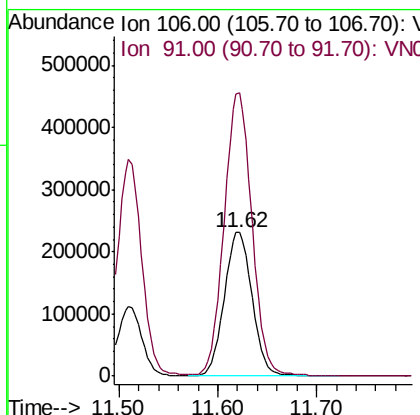
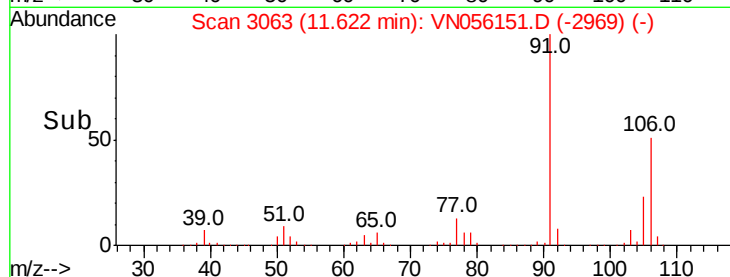
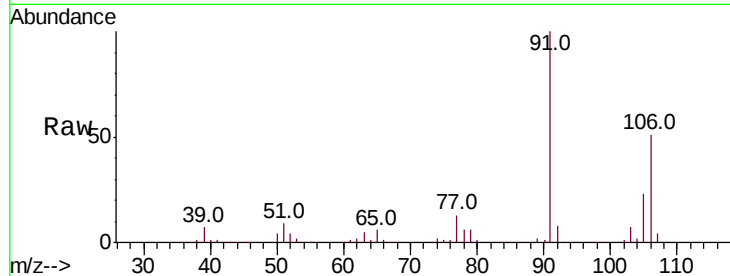
#68
m/p-Xylenes
Concen: 95.150 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion:106 Resp: 458631
Ion Ratio Lower Upper
106 100
91 196.8 159.3 238.9

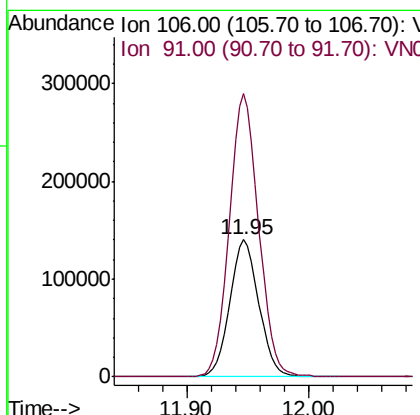
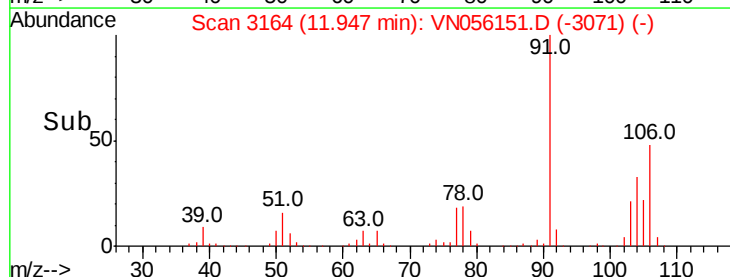
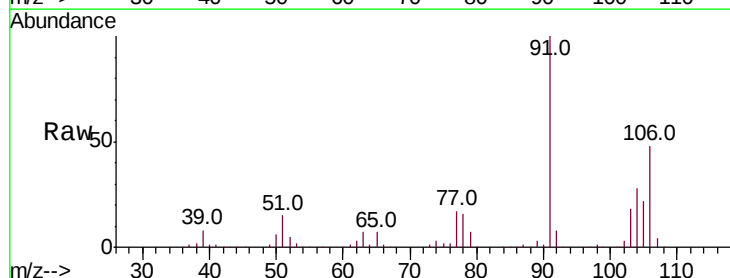
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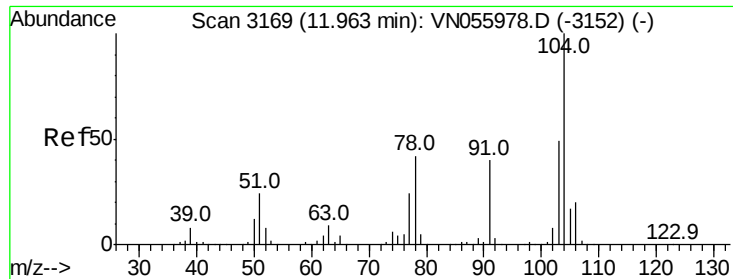
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#69
o-Xylene
Concen: 49.061 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:106 Resp: 232617
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1





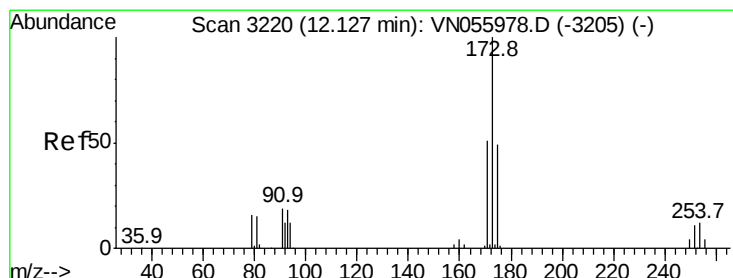
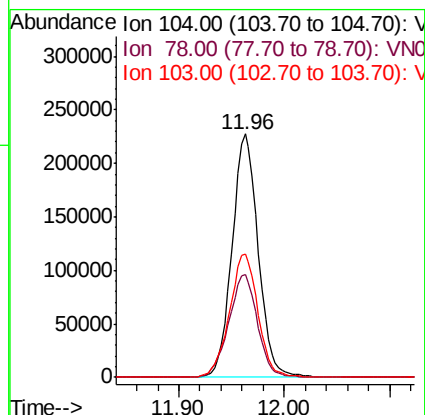
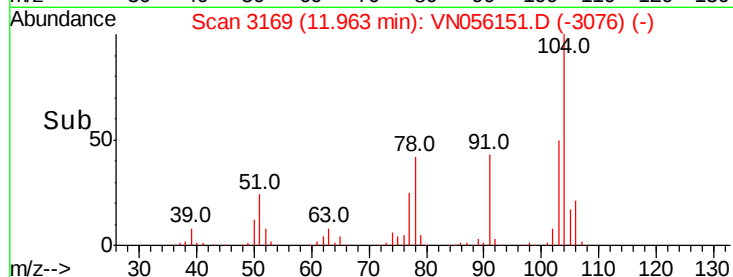
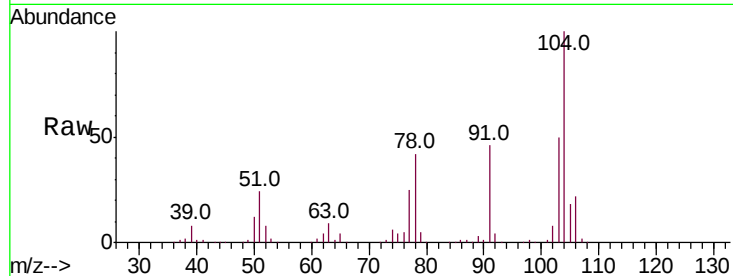
#70
Stvrene
Concen: 51.694 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.4	37.8	56.6
103	55.2	44.2	66.2

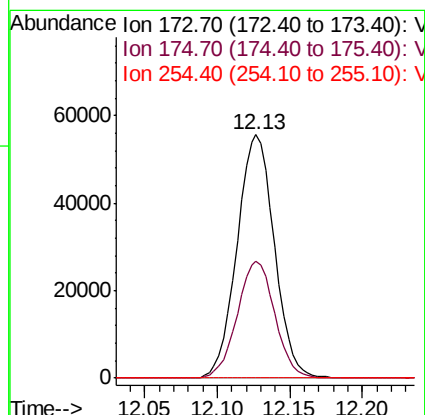
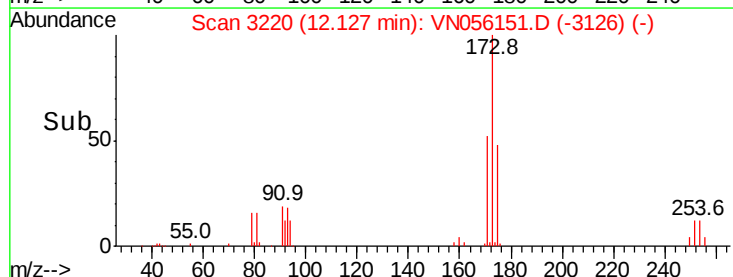
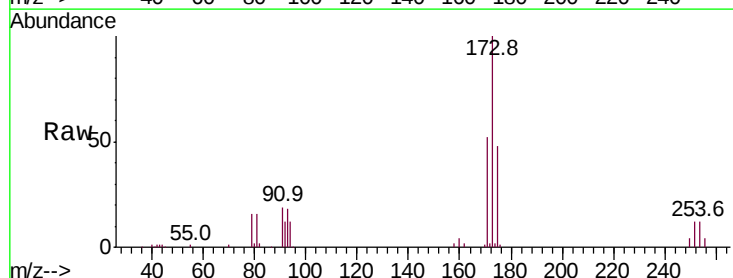
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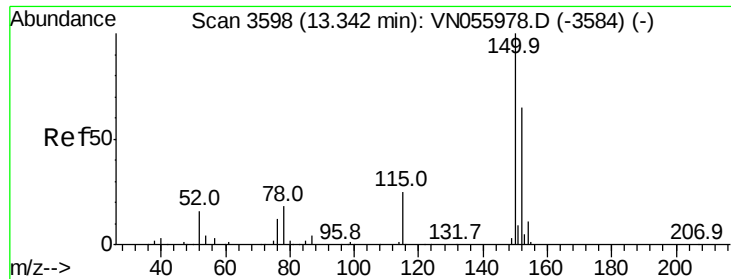
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#71
Bromoform
Concen: 47.331 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:152 Resp: 158933

Ion Ratio Lower Upper

152 100

115 52.1 27.0 81.0

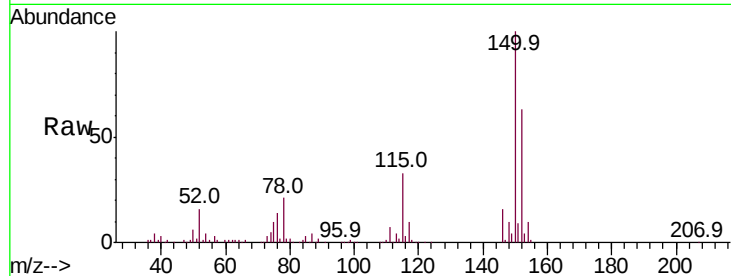
150 171.6 0.0 343.2

Manual Integrations

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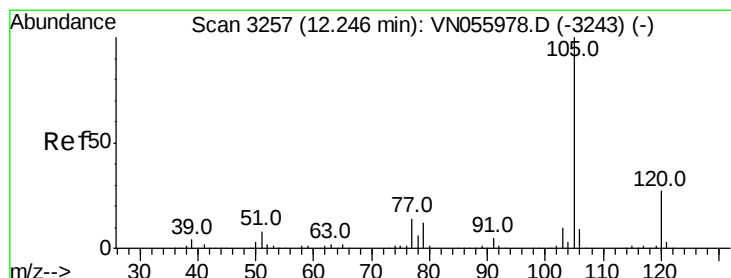
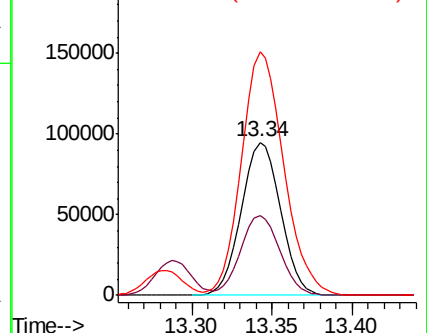
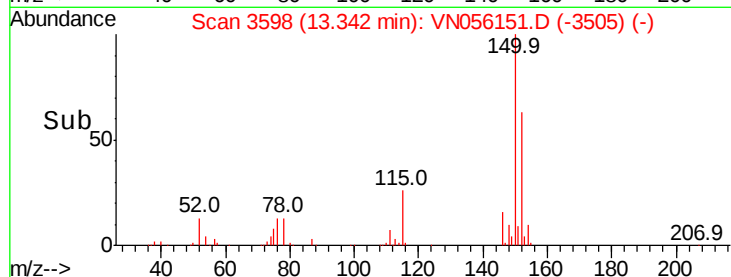
6/10/2019 11:25:47 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.458 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056151.D

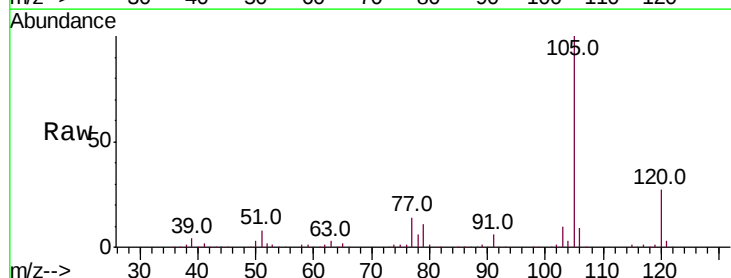
Acq: 8 Jun 2019 14:07

Tgt Ion:105 Resp: 582158

Ion Ratio Lower Upper

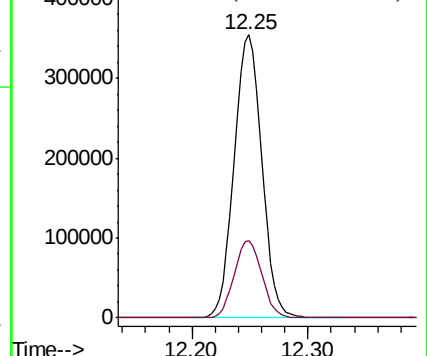
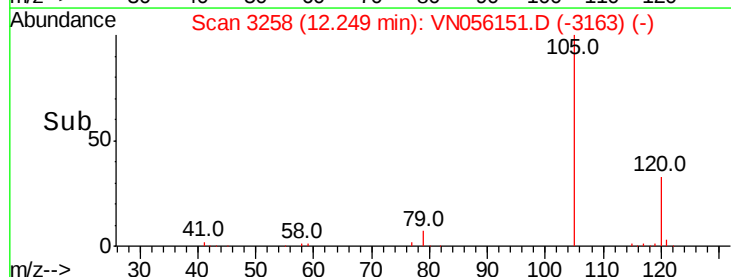
105 100

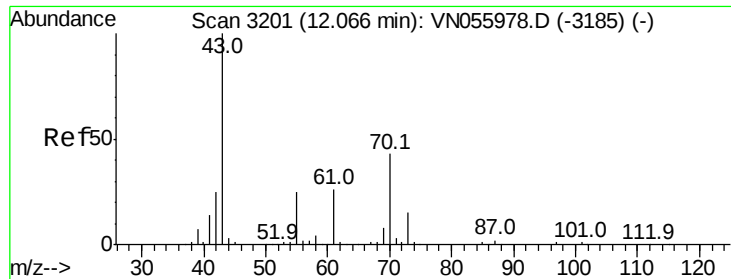
120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.843 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 43 Resp: 156090

Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 25.2 18.6 28.0

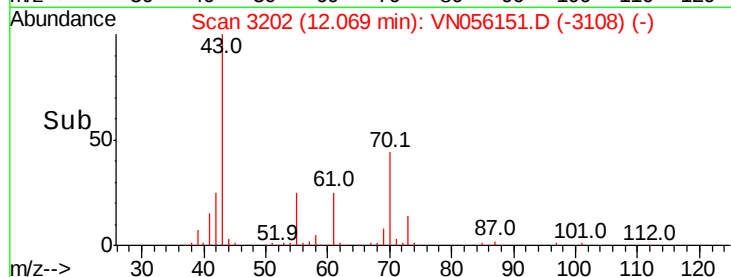
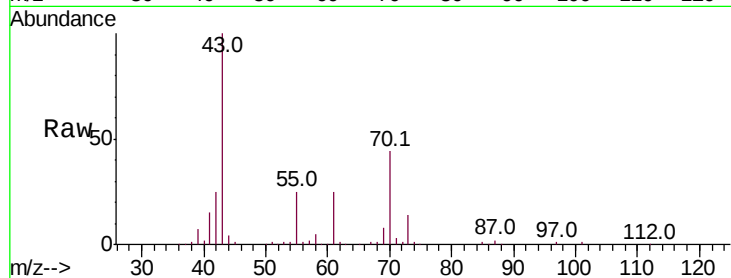
61 24.7 20.0 30.0

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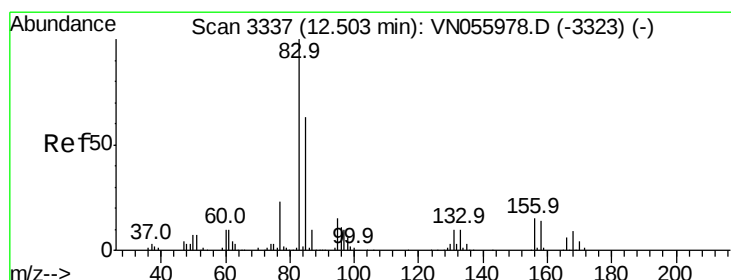
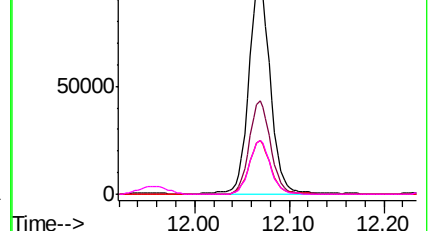


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.736 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

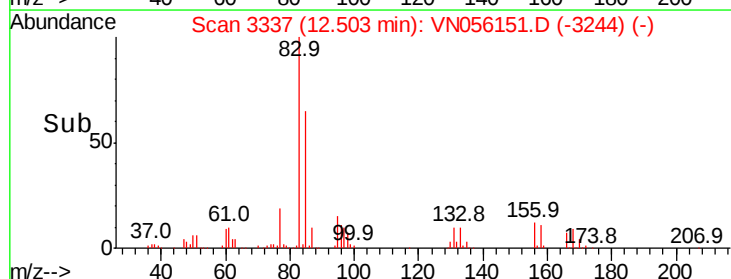
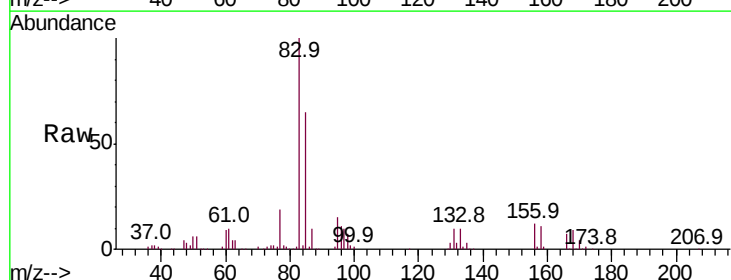
Tgt Ion: 83 Resp: 201950

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

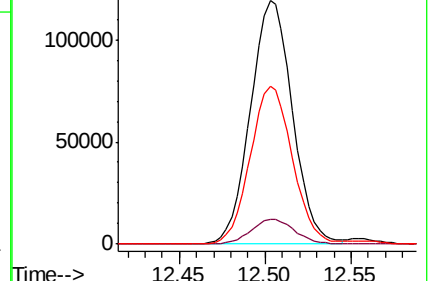
85 65.1 32.4 97.0

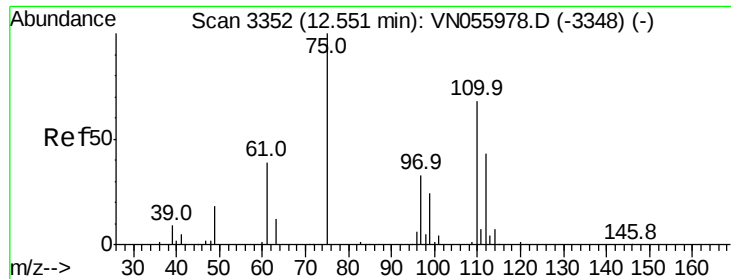


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 57.769 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 75 Resp: 168942

Ion Ratio Lower Upper

75 100

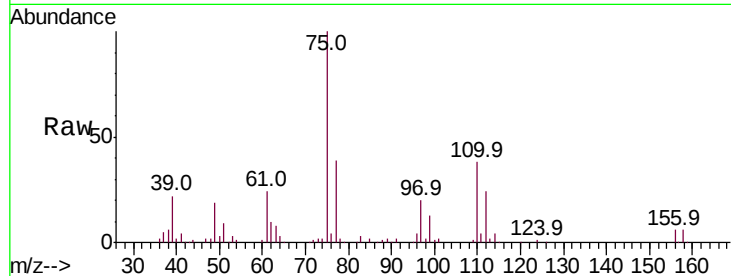
77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

100000

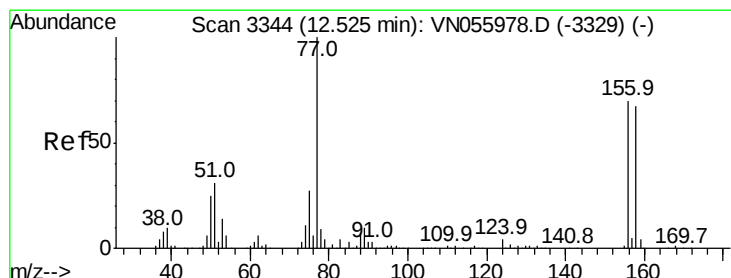
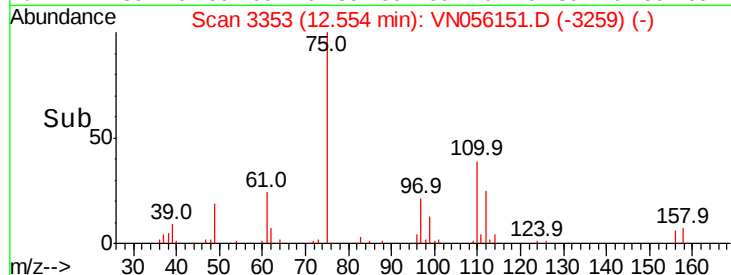
50000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 50.348 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

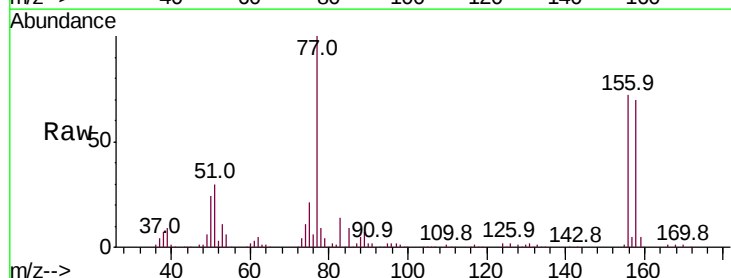
Tgt Ion:156 Resp: 171319

Ion Ratio Lower Upper

156 100

77 171.1 90.8 272.5

158 96.8 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

150000

100000

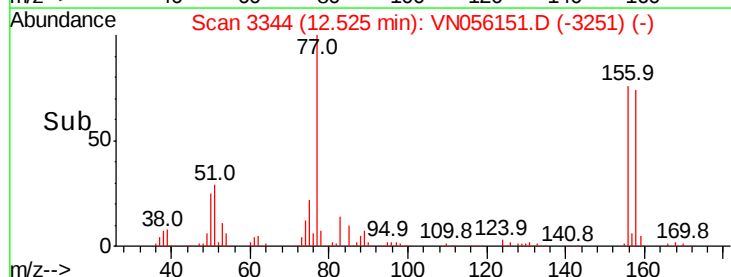
50000

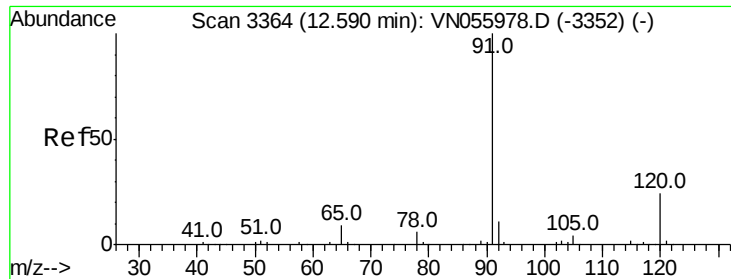
0

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 45.306 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 91 Resp: 609171

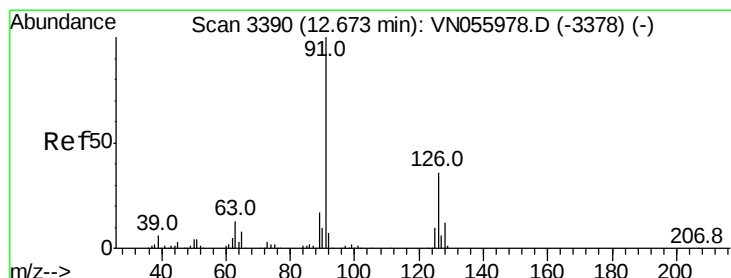
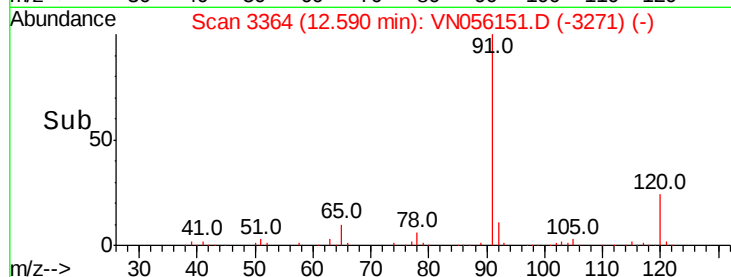
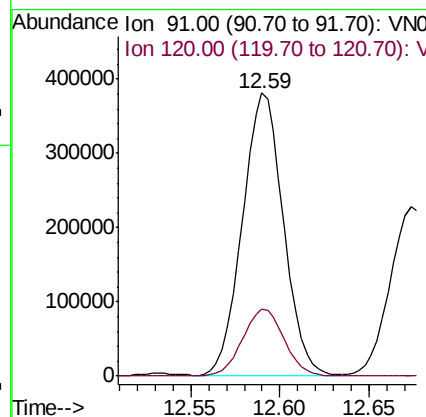
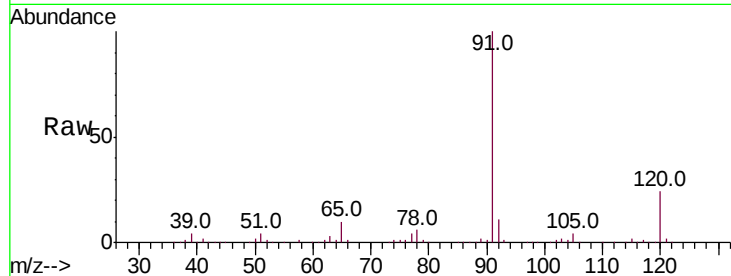
Ion Ratio Lower Upper

91 100

120 24.2 12.0 36.0

Manual Integrations
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#79

2-Chlorotoluene

Concen: 52.099 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056151.D

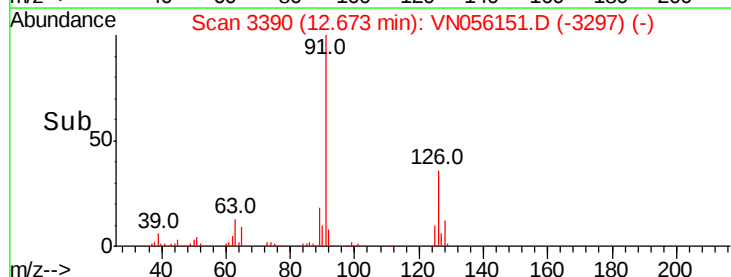
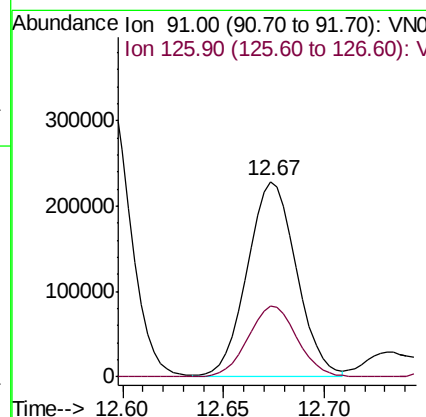
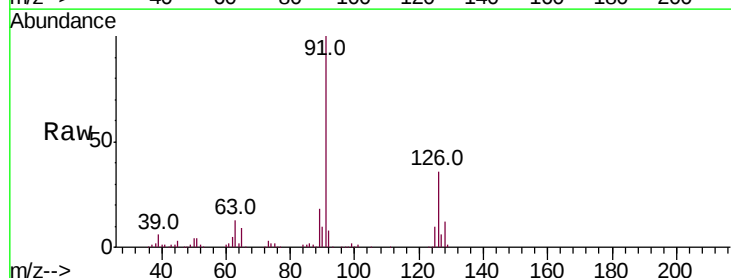
Acq: 8 Jun 2019 14:07

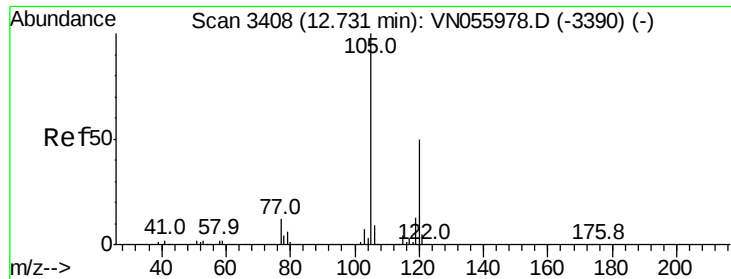
Tgt Ion: 91 Resp: 387819

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 45.148 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:105 Resp: 482452

Ion Ratio Lower Upper

105 100

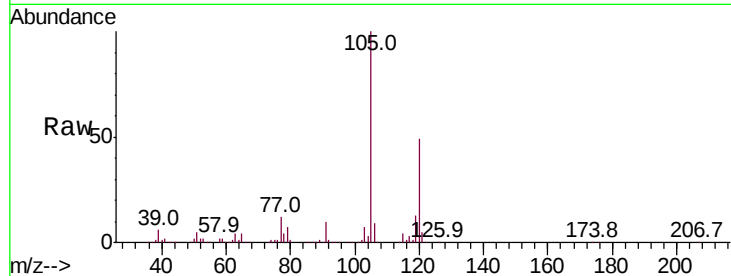
120 49.5 24.7 74.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

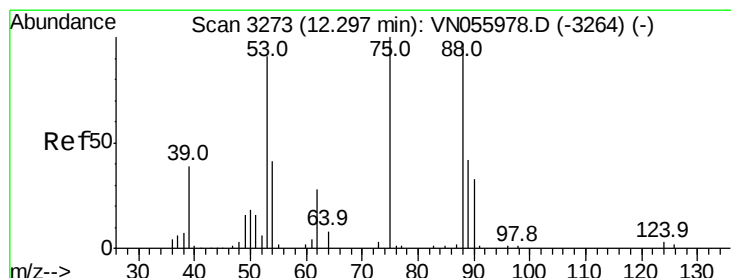
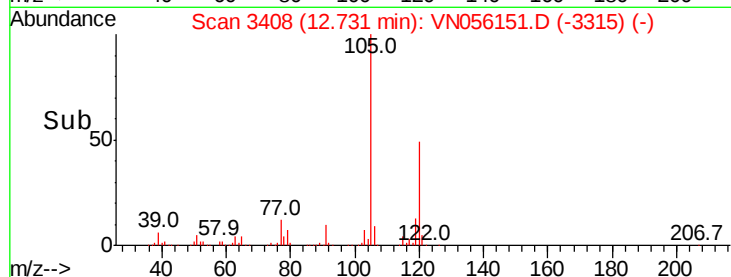
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 38.605 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

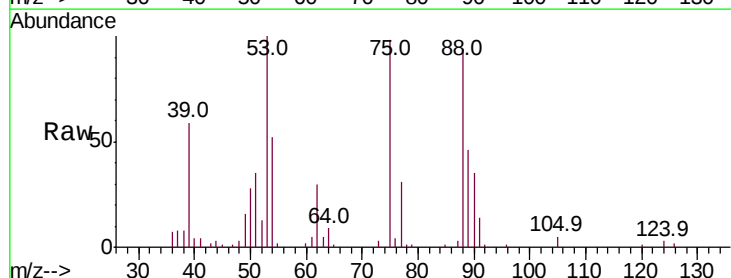
Tgt Ion: 75 Resp: 33901

Ion Ratio Lower Upper

75 100

53 101.9 68.1 102.1

89 46.0 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

60000

50000

40000

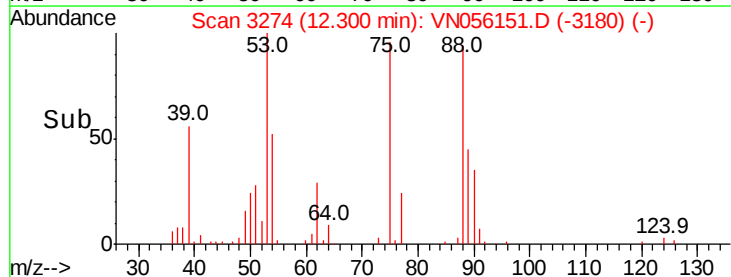
30000

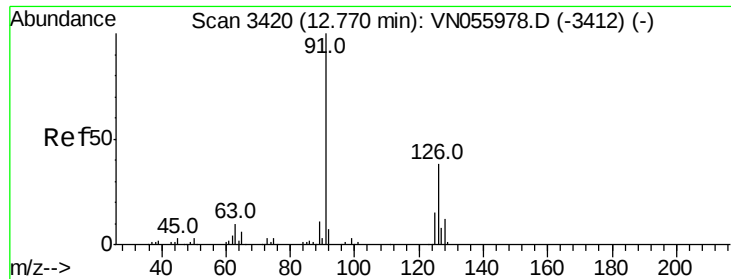
20000

10000

0

Time-->





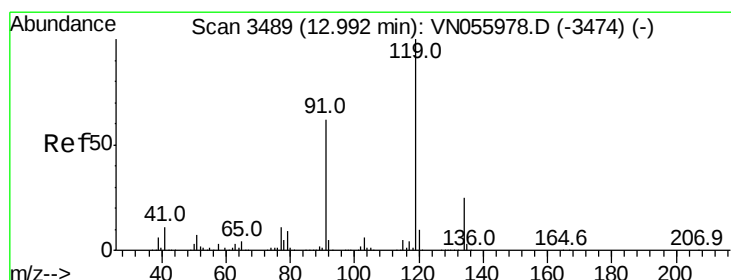
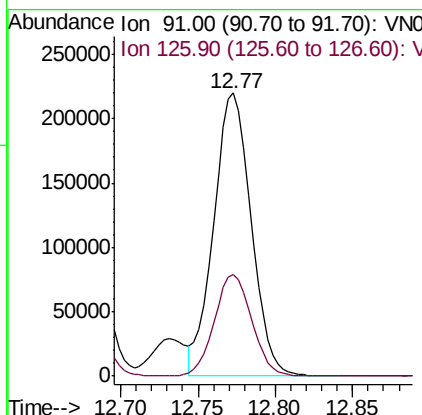
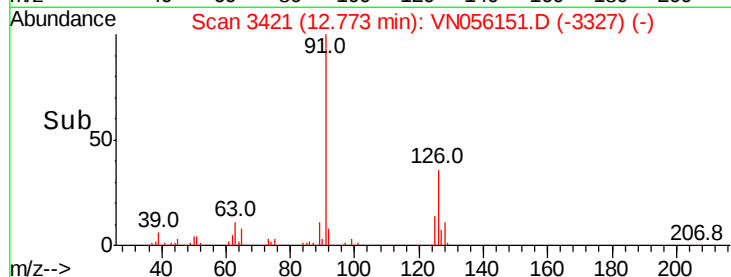
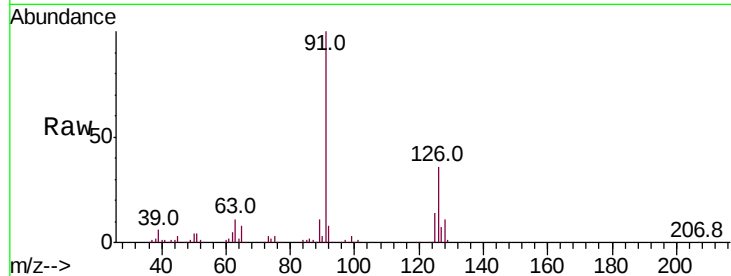
#82
4-Chlorotoluene
Concen: 46.972 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3

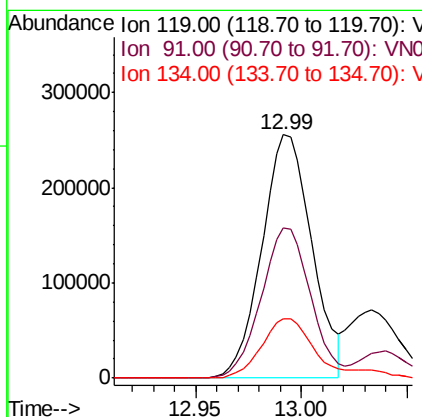
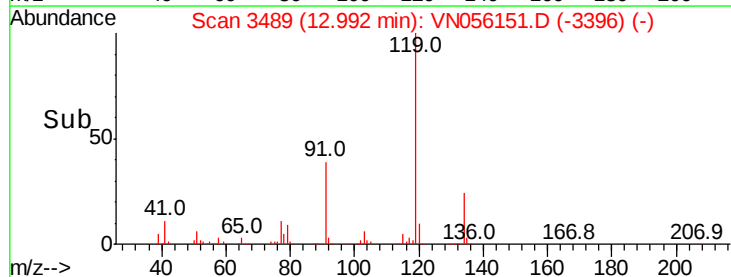
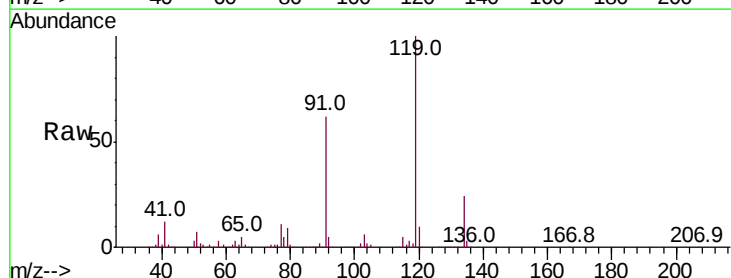
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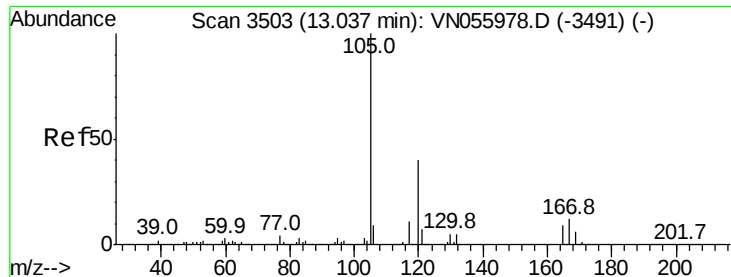
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#83
tert-Butylbenzene
Concen: 50.941 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.9	92.8
134	27.4	13.3	39.8





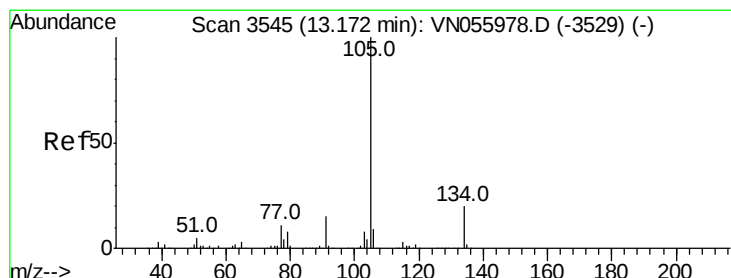
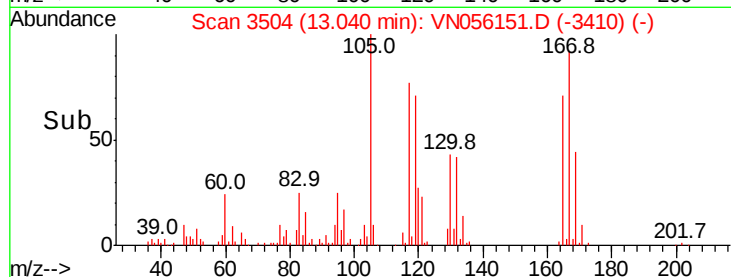
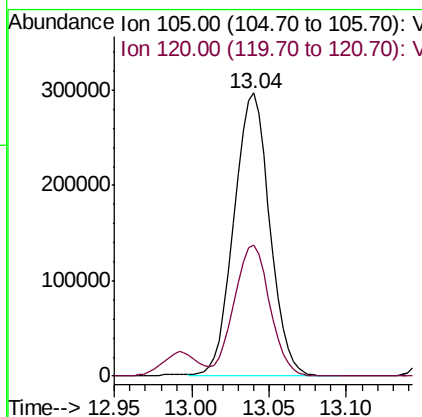
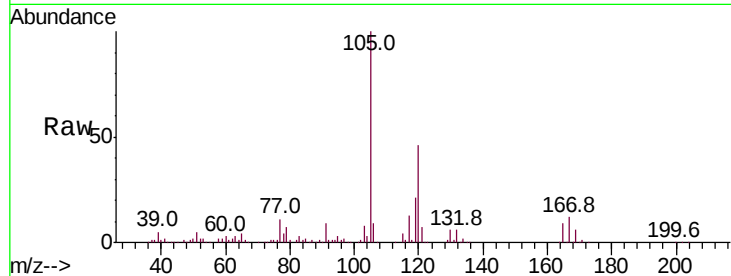
#84
1,2,4-Trimethylbenzene
Concen: 46.934 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion:105 Resp: 475613
Ion Ratio Lower Upper
105 100
120 46.6 23.0 69.0

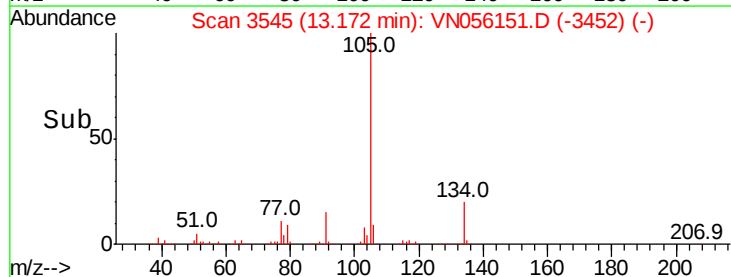
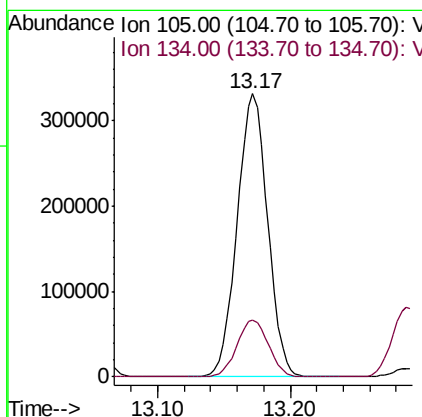
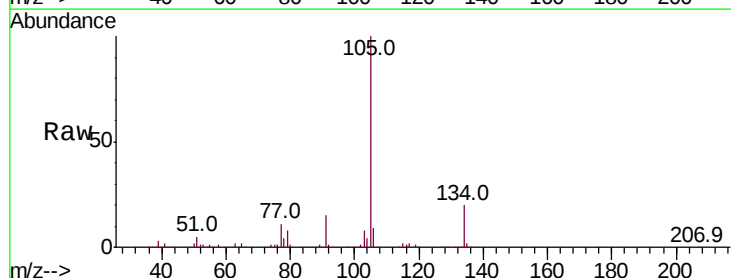
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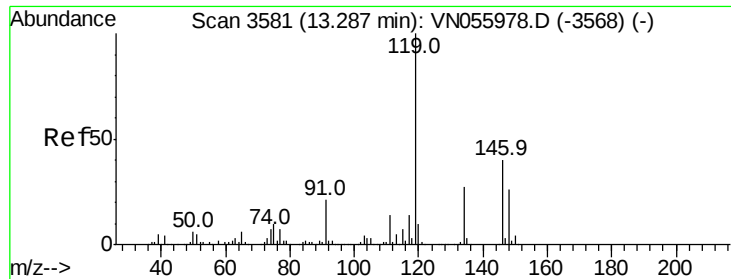
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#85
sec-Butylbenzene
Concen: 44.364 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion:105 Resp: 528258
Ion Ratio Lower Upper
105 100
134 20.7 10.4 31.2





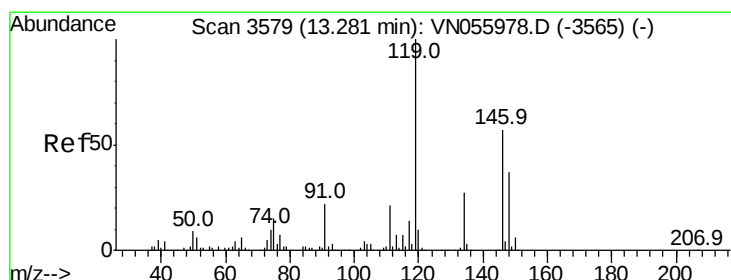
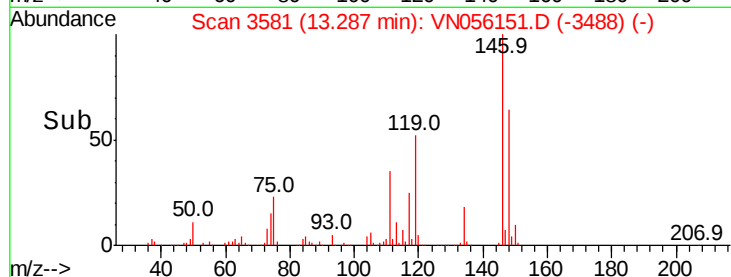
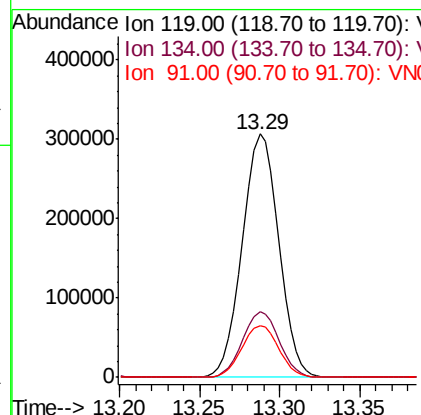
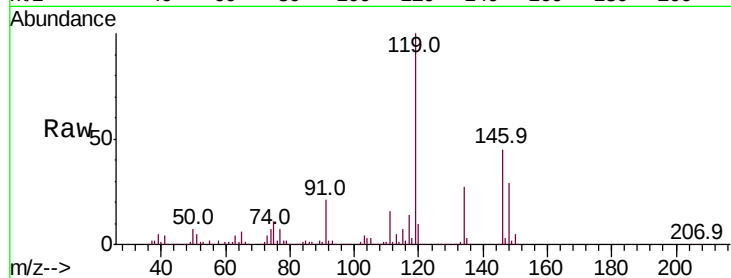
#86
p-Isopropyltoluene
Concen: 44.552 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Instrument :
MSVOA_N
ClientSampleId :
SP19-MMW-3414MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	474773		
134	27.1		13.4	40.1
91	21.6		10.9	32.9

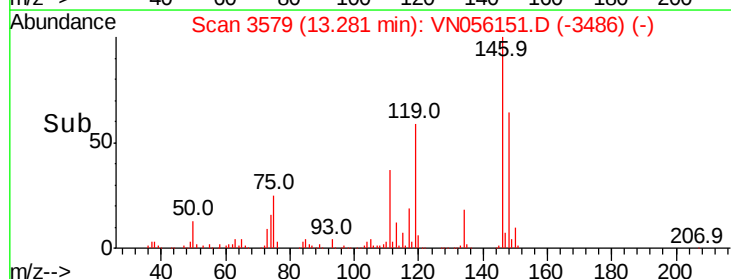
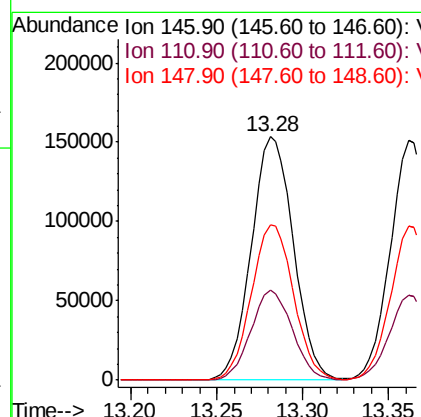
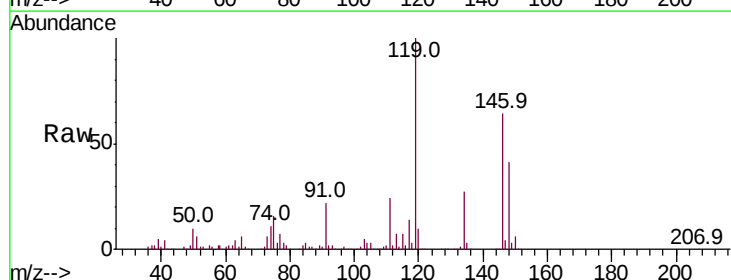
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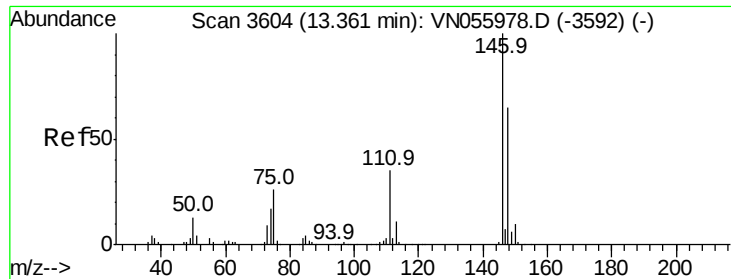
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#87
1,3-Dichlorobenzene
Concen: 49.423 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. 0.00 min
Lab File: VN056151.D
Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260282		
111	36.5		18.5	55.5
148	63.9		32.0	96.2





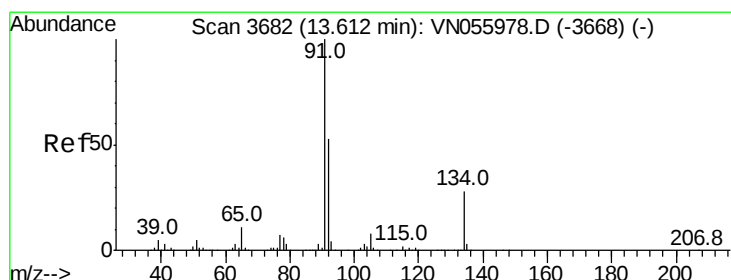
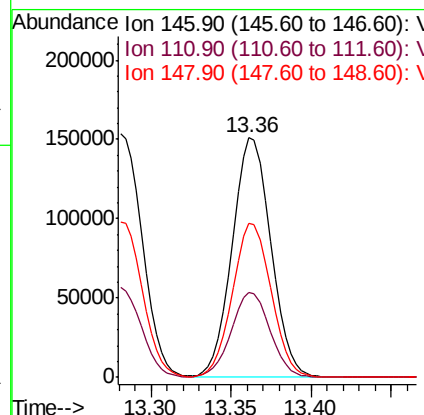
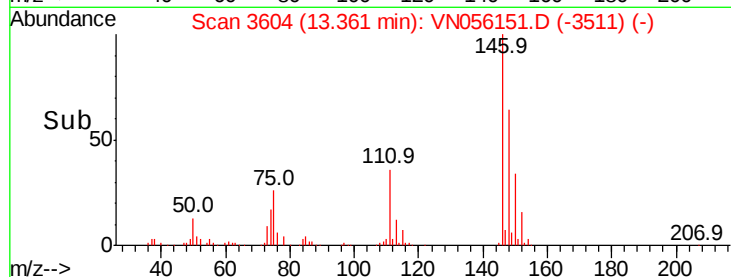
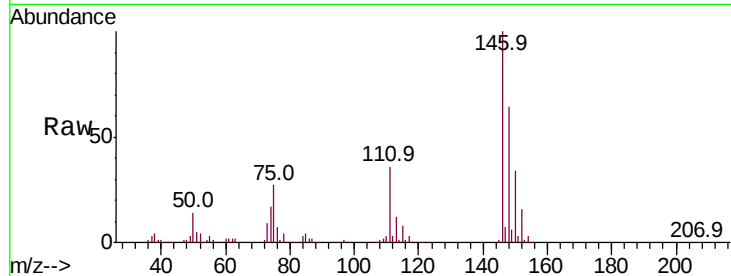
#88
 1,4-Dichlorobenzene
 Concen: 49.191 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.4
148	64.3	32.1	96.5

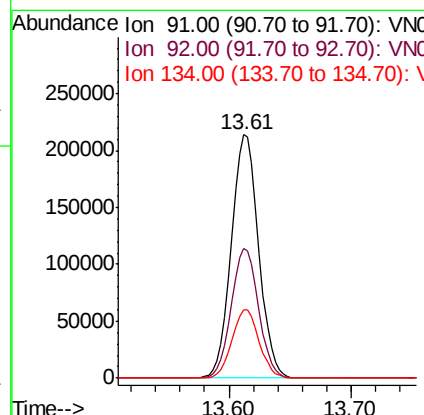
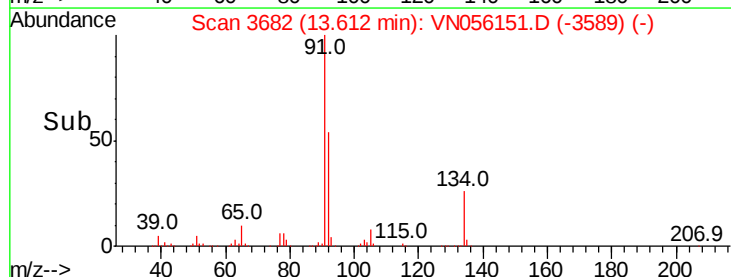
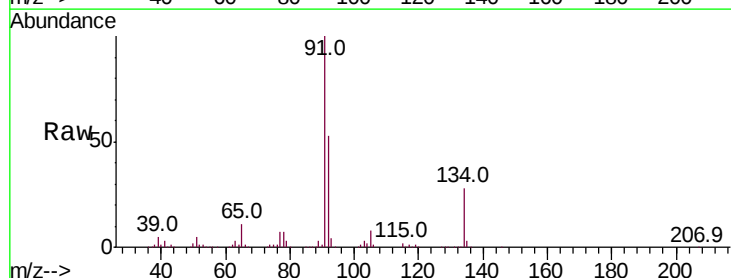
Manual Integrations
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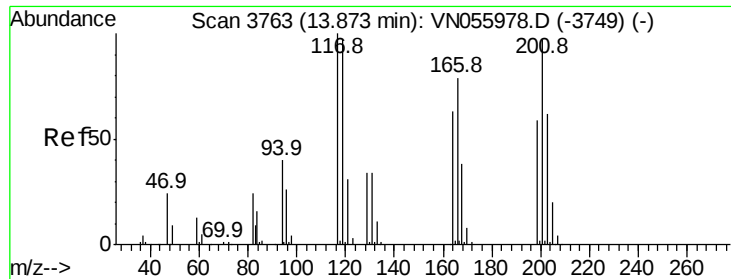
MMDadoda
 6/10/2019 11:25:47 AM



#89
 n-Butylbenzene
 Concen: 42.437 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	28.0	13.9	41.7





#90

Hexachloroethane

Concen: 46.076 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:117 Resp: 74050

Ion Ratio Lower Upper

117 100

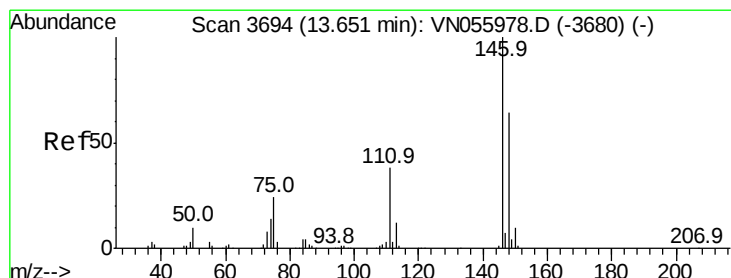
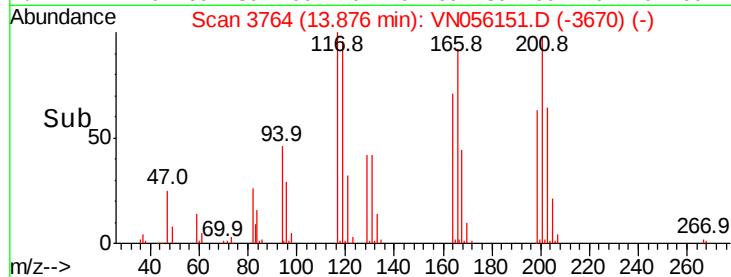
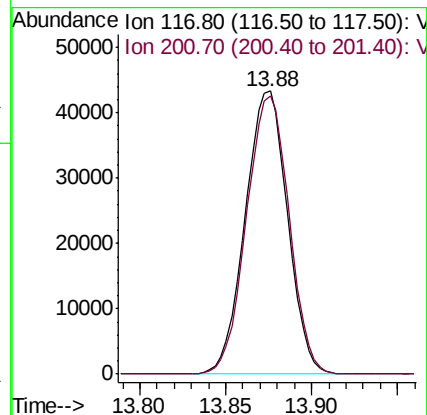
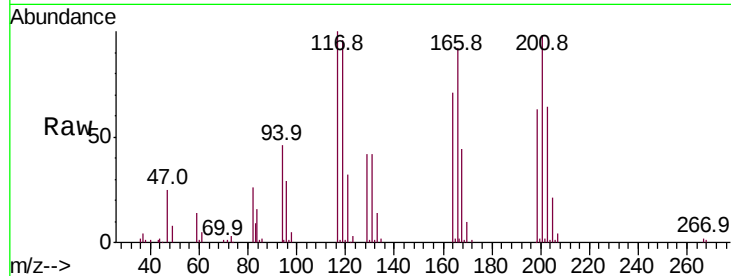
201 99.0 50.0 150.0

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#91

1,2-Dichlorobenzene

Concen: 50.813 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

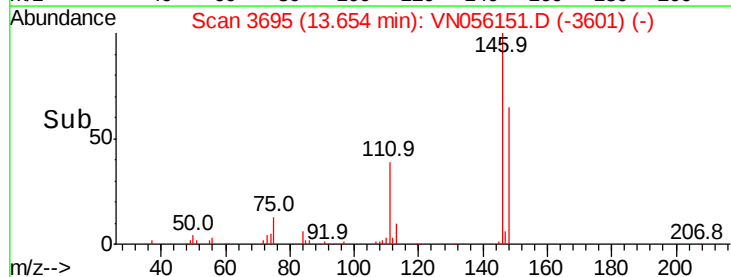
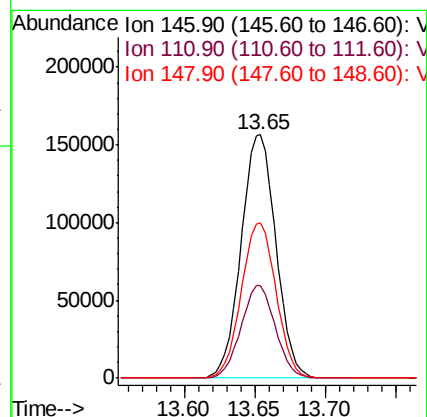
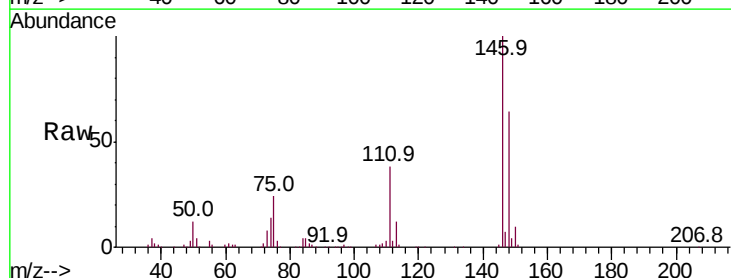
Tgt Ion:146 Resp: 270175

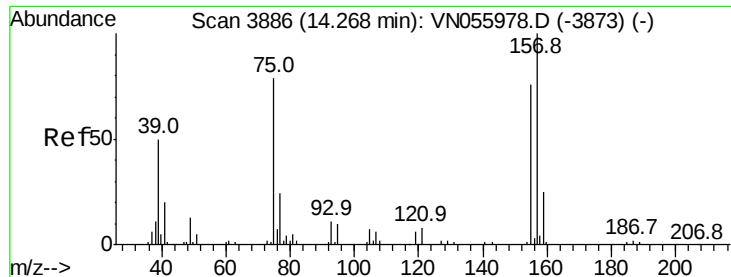
Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

148 63.8 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.079 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

ClientSampleId :

SP19-MMW-3414MSD

Tot Ion: 75 Resp: 29066

Ion Ratio Lower Upper

75 100

155 106.8 50.0 150.1

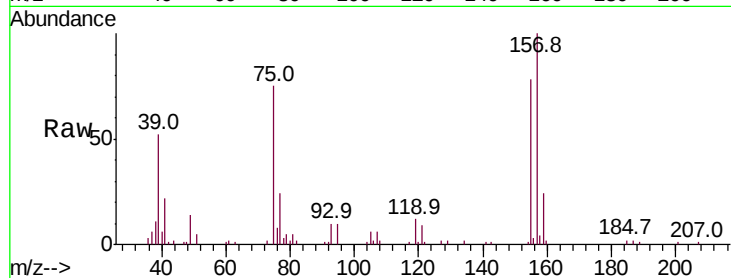
157 137.2 64.8 194.3

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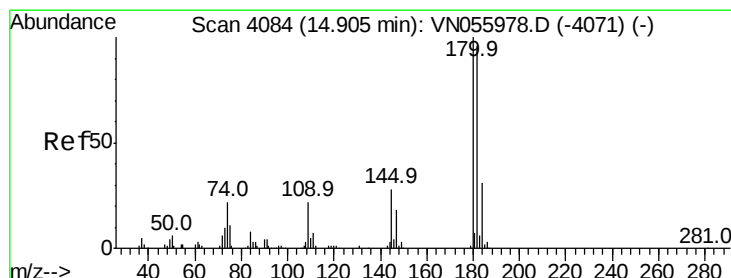
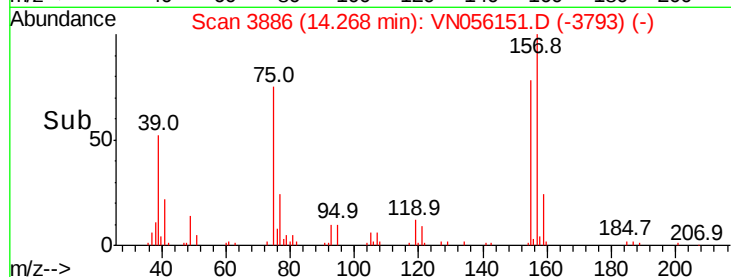
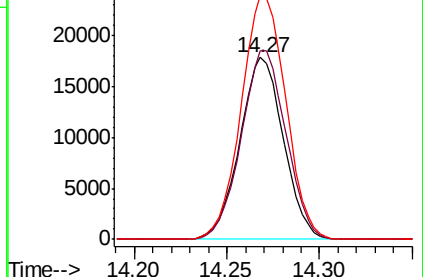
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Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN055978.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN055978.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 42.275 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

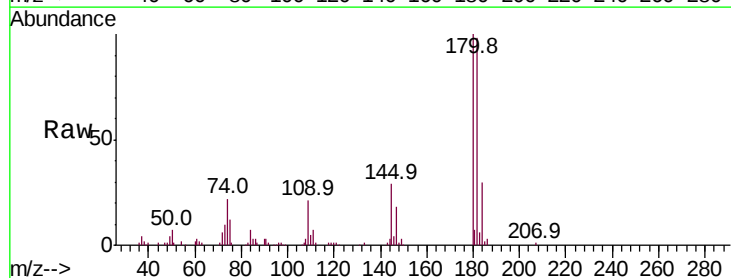
Tgt Ion:180 Resp: 121754

Ion Ratio Lower Upper

180 100

182 97.8 48.3 144.9

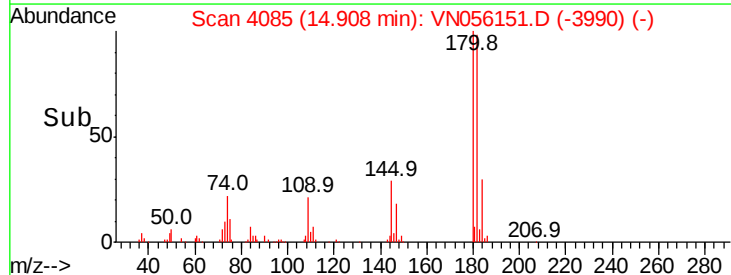
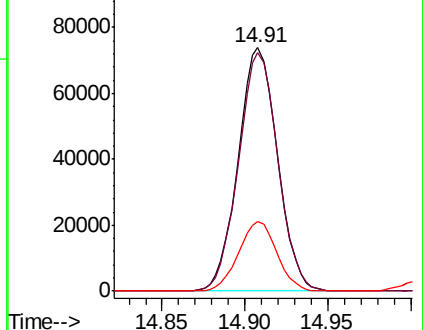
145 27.9 14.0 41.9

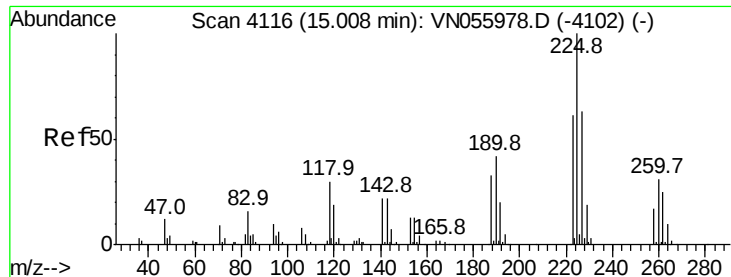


Abundance Ion 179.80 (179.50 to 180.50): VN055978.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN055978.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055978.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 45.258 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Instrument :

MSVOA_N

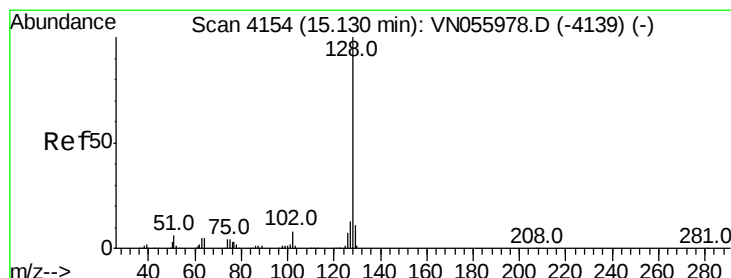
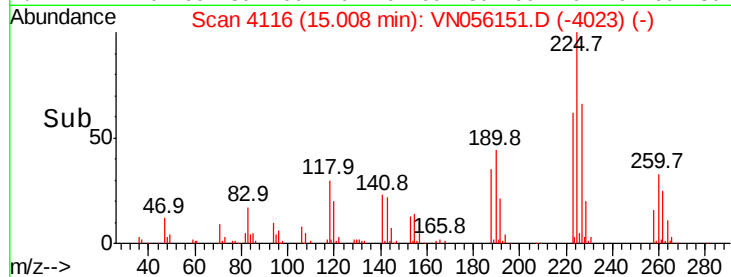
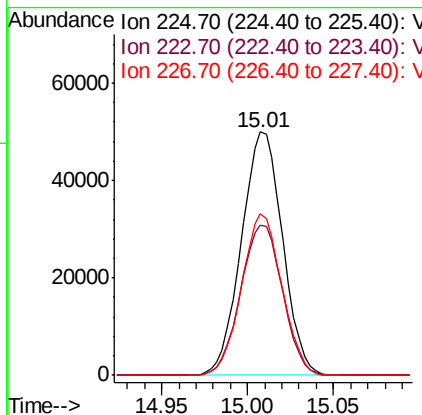
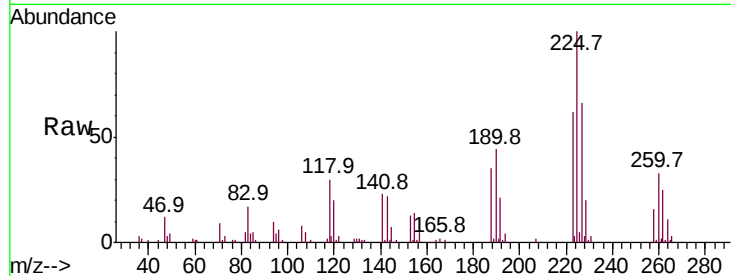
ClientSampleId :

SP19-MMW-3414MSD

Tot Ion:	225	Resp:	82894
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	64.9	31.6	94.7

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#95

Naphthalene

Concen: 47.413 ug/l

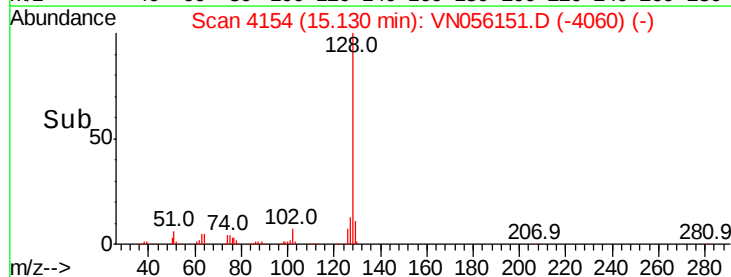
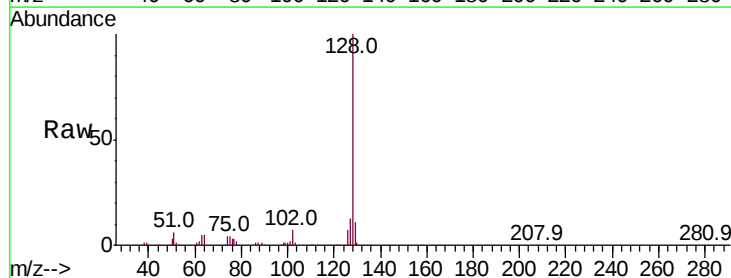
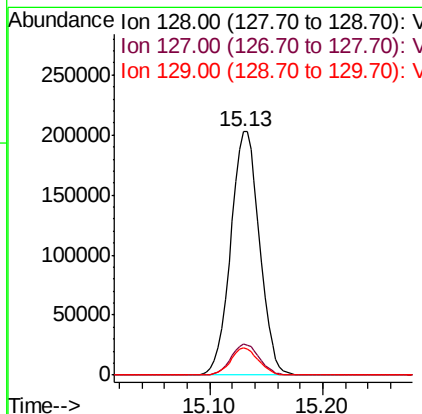
RT: 15.13 min Scan# 4154

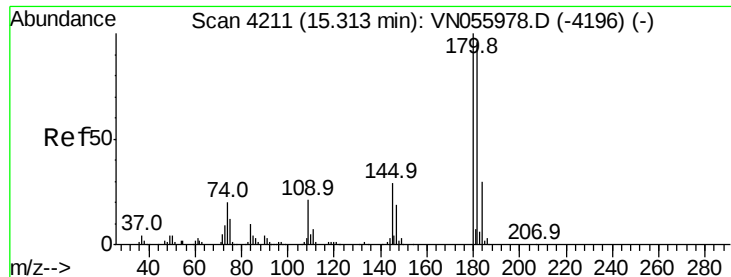
Delta R.T. 0.00 min

Lab File: VN056151.D

Acq: 8 Jun 2019 14:07

Tgt Ion:	128	Resp:	358783
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 47.201 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056151.D
 Acq: 8 Jun 2019 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 SP19-MMW-3414MSD

Tot Ion:	180	Resp:	140404
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.9	143.7
145	29.6	14.9	44.7

Manual Integrations
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