

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056680.D
 Acq On : 12 Jul 2019 10:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:59:12 AM

Quant Time: Jul 12 23:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55665	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	303593	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111702	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	12.40	95	123972	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	10.09	98	369961	29.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	159293	55.038 ug/l	98
3) Chloromethane	2.06	50	208518	50.467 ug/l	100
4) Vinyl Chloride	2.18	62	200917	51.116 ug/l	98
5) Bromomethane	2.54	94	119840	56.184 ug/l	99
6) Chloroethane	2.69	64	114361	52.391 ug/l	99
7) Trichlorofluoromethane	3.01	101	259073	51.459 ug/l	98
8) Diethyl Ether	3.41	74	103692	49.198 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	158771	49.900 ug/l	99
10) 1,1-Dichloroethene	3.73	96	158730	51.194 ug/l	95
11) Methyl Iodide	3.95	142	219564	49.812 ug/l	98
12) Methyl Acetate	4.32	43	194180	46.726 ug/l	96
13) Acrolein	3.61	56	65317	172.381 ug/l	99
14) Acrylonitrile	4.99	53	467750	255.630 ug/l	99
15) Acetone	3.81	58	171858	307.165 ug/l	95
16) Carbon Disulfide	4.05	76	413221	54.083 ug/l	99
17) Allyl chloride	4.32	41	277501	51.036 ug/l	97
18) Methylene Chloride	4.55	84	183141	49.892 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	170309	50.588 ug/l	99
20) Diisopropyl ether	5.95	45	554408	49.751 ug/l	97
21) 1,1-Dichloroethane	5.85	63	316028	50.174 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	196824	49.785 ug/l	99
23) tert-Butyl Alcohol	4.79	59	165152	240.707 ug/l	100
24) Methyl tert-Butyl Ether	5.04	73	503415	49.339 ug/l	100
25) Chloroform	7.37	83	305832	49.443 ug/l	100
26) Cyclohexane	7.65	56	293793	50.262 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	234030	50.737 ug/l	99
30) 2-Butanone	6.83	43	708944	273.049 ug/l	100
31) 2,2-Dichloropropane	6.82	77	231878	52.260 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	254203	51.871 ug/l	99
33) Carbon Tetrachloride	7.77	117	219499	52.461 ug/l	99
34) Benzene	8.04	78	725662	50.528 ug/l	94
35) Methacrylonitrile	7.18	41	105383m	49.279 ug/l	
36) 1,2-Dichloroethane	8.12	62	229545	49.282 ug/l	99
37) Trichloroethene	8.83	130	194745	51.469 ug/l	97
38) Methylcyclohexane	9.08	83	299305	51.662 ug/l	98
39) 1,2-Dichloropropane	9.12	63	195384	50.679 ug/l	99
40) Dibromomethane	9.21	93	123562	51.580 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	232136	52.108	ug/l	97
42) Vinyl Acetate	5.90	43	2346568	259.169	ug/l	100
43) Ethyl Acetate	6.93	43	246173	50.159	ug/l	99
44) Isopropyl Acetate	8.17	43	387617	50.785	ug/l #	88
45) 1,4-Dioxane	9.20	88	80359	1059.995	ug/l	100
46) Methyl methacrylate	9.20	41	188840	50.273	ug/l	97
47) n-amyl Acetate	12.07	43	321906	50.905	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	251690	52.606	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	287967	52.356	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	181434	51.605	ug/l	99
51) Ethyl methacrylate	10.43	69	283431	51.535	ug/l	98
52) 1,3-Dichloropropane	10.71	76	302101	50.357	ug/l	99
53) Dibromochloromethane	10.90	129	187506	54.027	ug/l	99
54) 1,2-Dibromoethane	11.00	107	188184	51.286	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	685841	246.909	ug/l	100
56) Bromoform	12.12	173	136273	53.627	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1255681	254.407	ug/l	100
59) 2-Hexanone	10.75	43	965766	260.131	ug/l	100
61) Tetrachloroethene	10.63	164	190191	53.879	ug/l	98
62) Toluene	10.16	91	782163	50.853	ug/l	98
64) Chlorobenzene	11.43	112	473813	51.067	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	175863	52.238	ug/l	99
66) Ethyl Benzene	11.51	91	845359	50.636	ug/l	100
67) m/p-Xylenes	11.62	106	639800	103.224	ug/l	100
68) o-Xylene	11.95	106	311230	51.177	ug/l	97
69) Styrene	11.96	104	518711	51.306	ug/l	100
70) Isopropylbenzene	12.25	105	809637	50.830	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	261409	49.913	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	213744m	48.647	ug/l	
73) Bromobenzene	12.53	156	214577	52.175	ug/l	99
74) n-propylbenzene	12.59	91	922247	50.783	ug/l	99
75) 2-Chlorotoluene	12.67	91	550729	50.862	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	696509	51.326	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	77056	53.925	ug/l	94
78) 4-Chlorotoluene	12.77	91	534603	50.874	ug/l	100
79) tert-butylbenzene	12.99	119	584460	50.581	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	692731	51.667	ug/l	99
81) sec-Butylbenzene	13.17	105	773090	50.391	ug/l	99
82) p-Isopropyltoluene	13.29	119	711988	51.379	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	359021	52.385	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	349023	52.911	ug/l	100
85) n-Butylbenzene	13.61	91	599750	51.714	ug/l	99
86) Hexachloroethane	13.87	117	110818	52.579	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	358817	51.956	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	46888	50.252	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	196595	51.634	ug/l	98
90) Hexachlorobutadiene	15.01	225	121207	50.415	ug/l	100
91) Naphthalene	15.13	128	529041	50.466	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	198100	49.700	ug/l	99

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

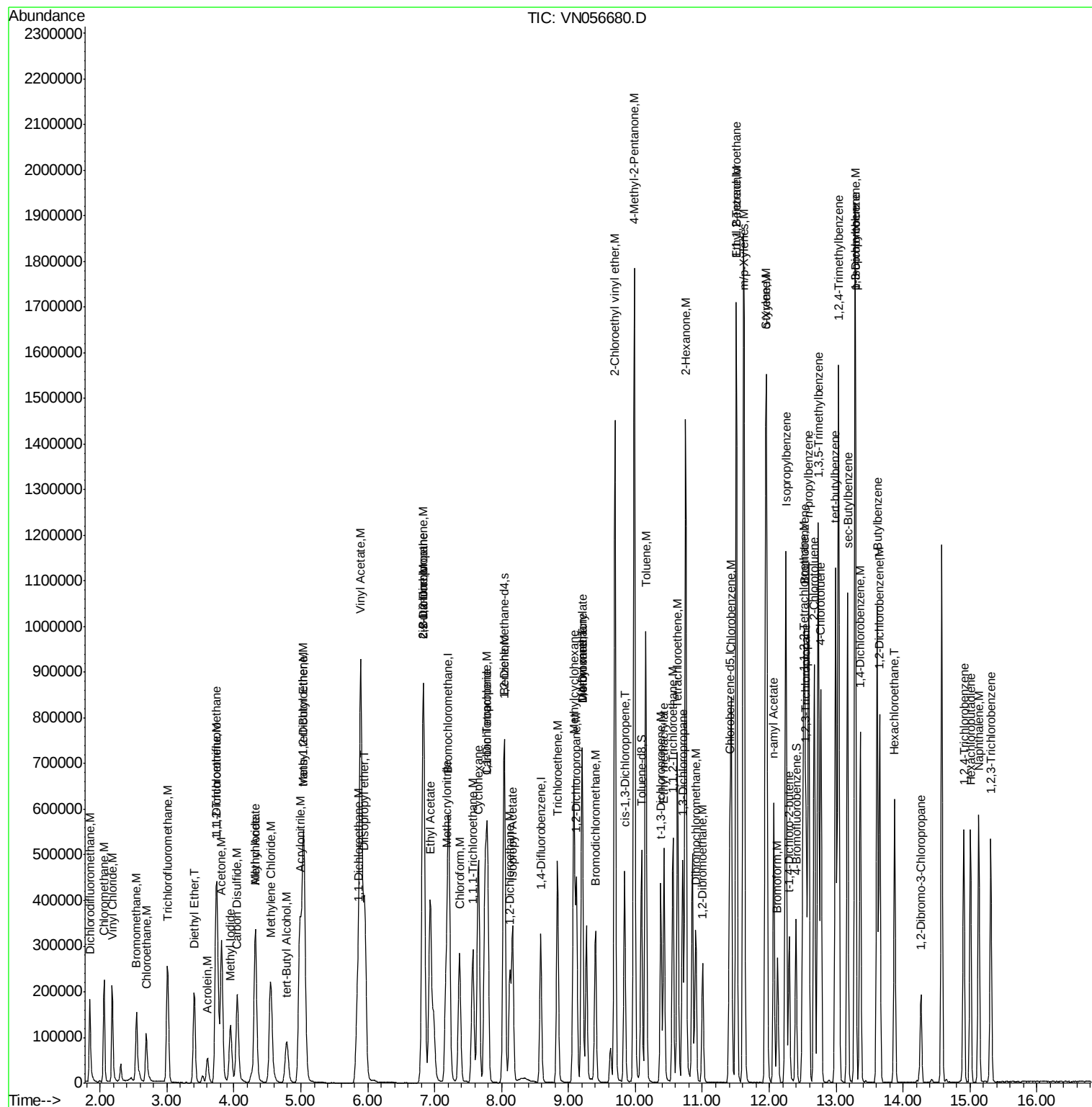
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
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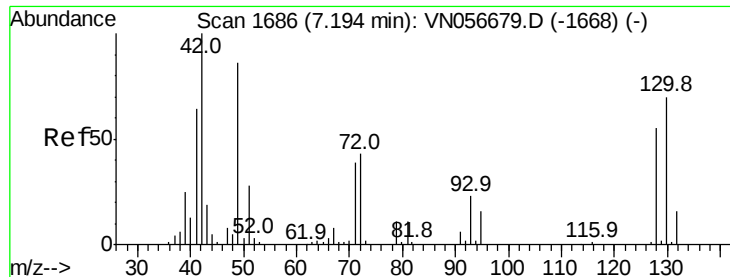
Instrument :
MSVOA_N
ClientSampleId :
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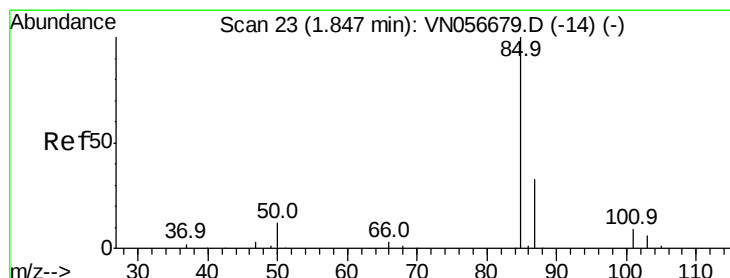
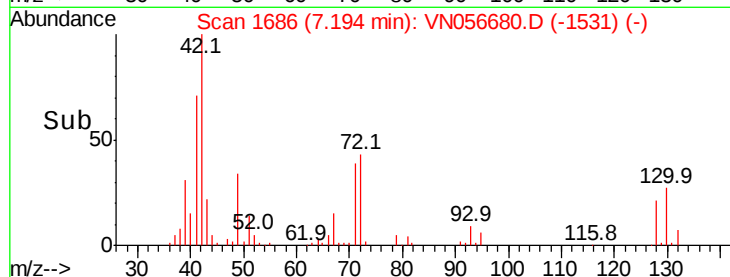
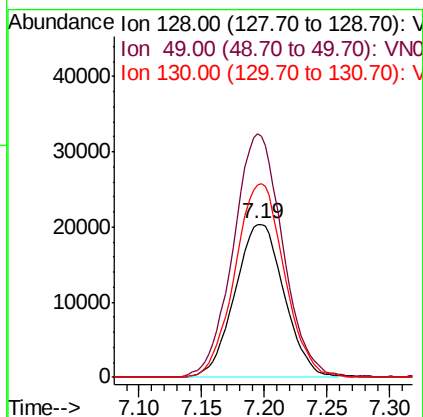
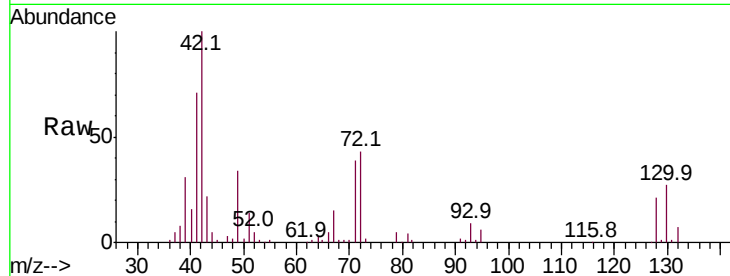
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.7	0.0	390.5
130	126.8	0.0	316.5

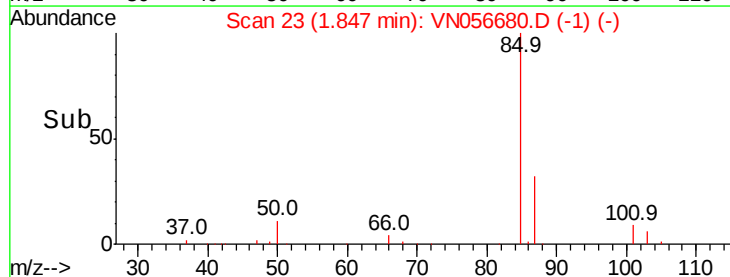
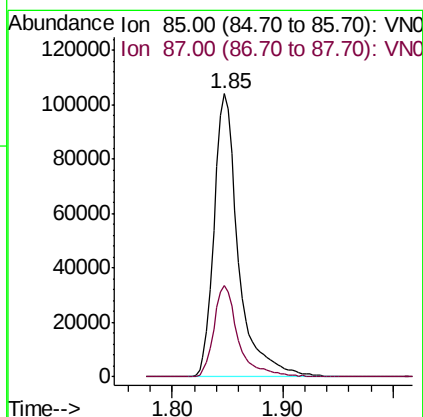
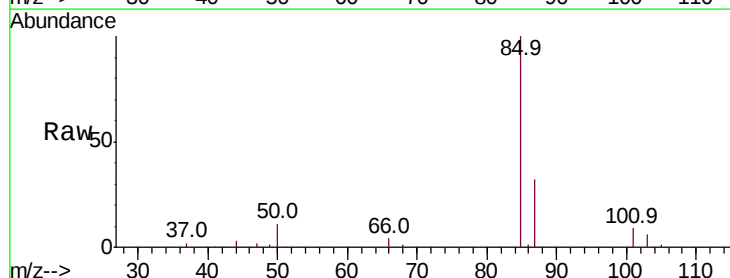
Manual Integrations
APPROVED

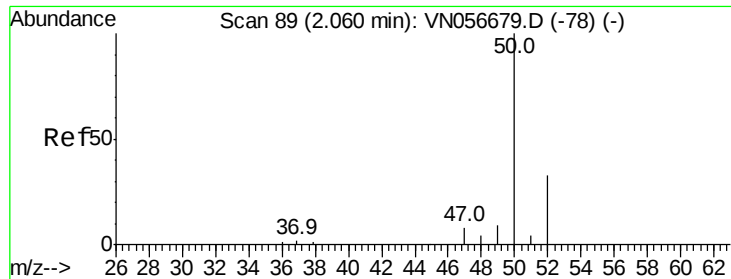
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#2
Dichlorodifluoromethane
Concen: 55.038 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.8	50.3





#3

Chloromethane

Concen: 50.467 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 208518

Ion Ratio Lower Upper

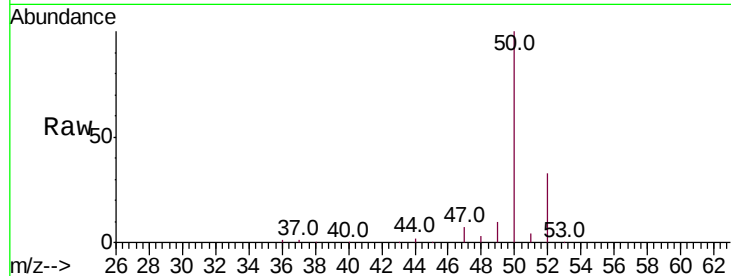
50 100

52 33.3 26.5 39.7

Manual Integrations
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Abundance Ion 50.00 (49.70 to 50.70): VN056679.D (-78) (-)

Ion 52.00 (51.70 to 52.70): VN056679.D (-78) (-)

2.06

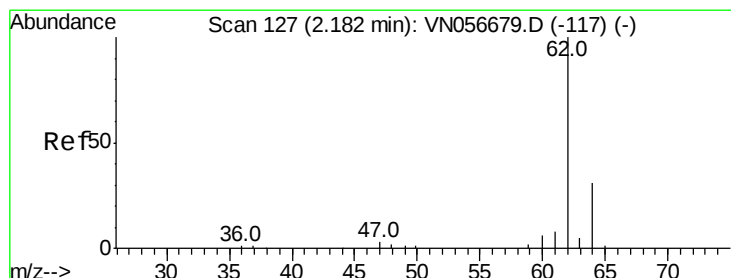
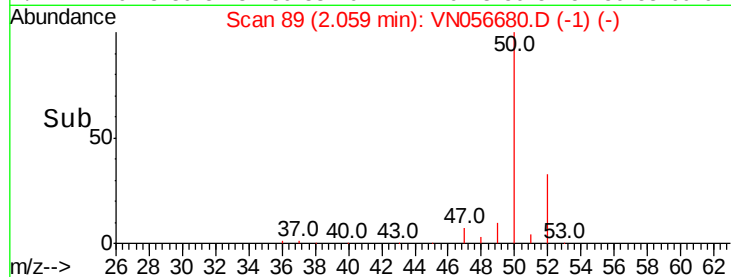
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.116 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056680.D

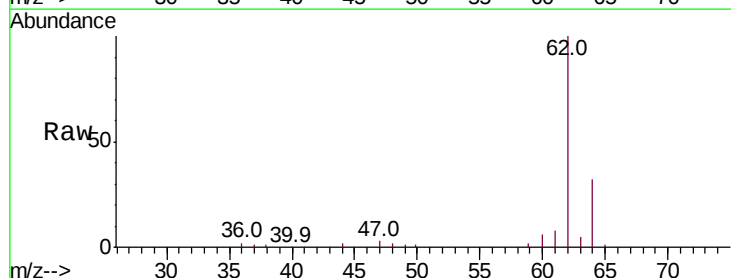
Acq: 12 Jul 2019 10:59

Tgt Ion: 62 Resp: 200917

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN056679.D (-117) (-)

Ion 64.00 (63.70 to 64.70): VN056679.D (-117) (-)

2.18

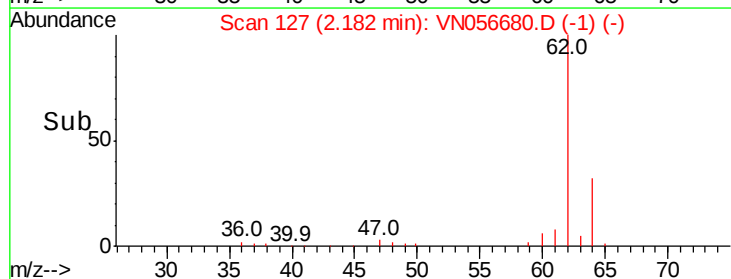
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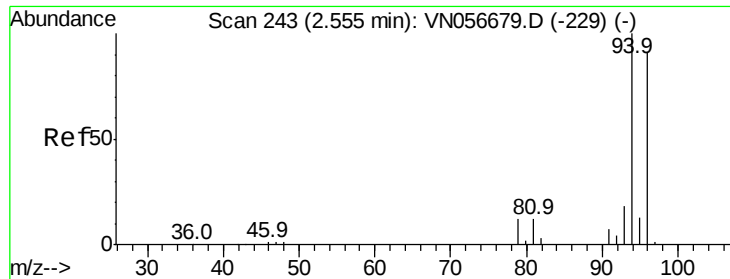
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50000

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Time-->





#5

Bromomethane

Concen: 56.184 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 119840

Ion Ratio Lower Upper

94 100

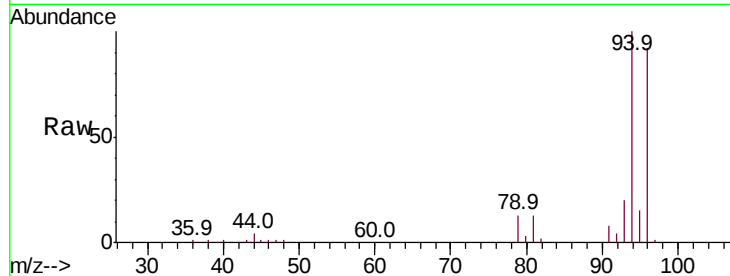
96 92.4 72.8 109.2

Manual Integrations

APPROVED

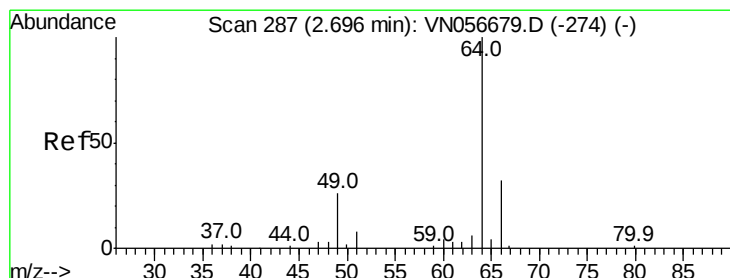
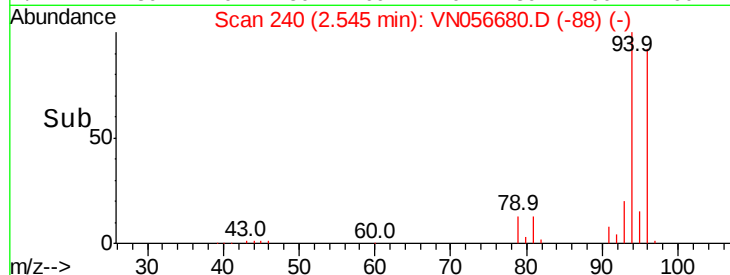
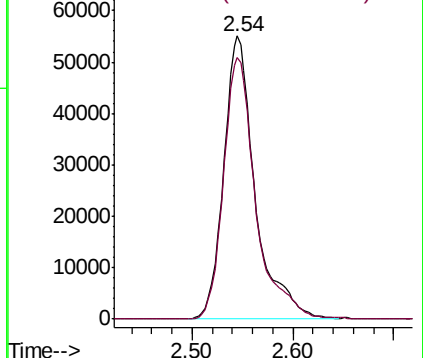
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 52.391 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN056680.D

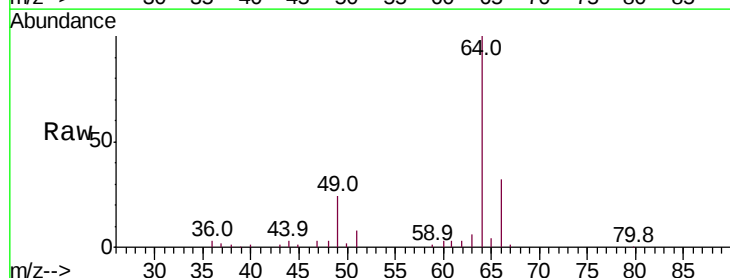
Acq: 12 Jul 2019 10:59

Tgt Ion: 64 Resp: 114361

Ion Ratio Lower Upper

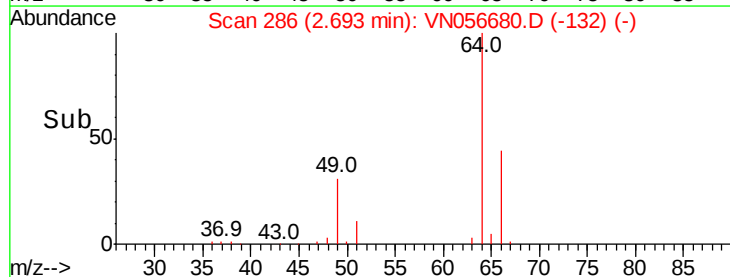
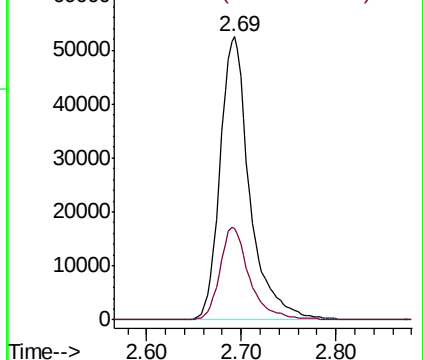
64 100

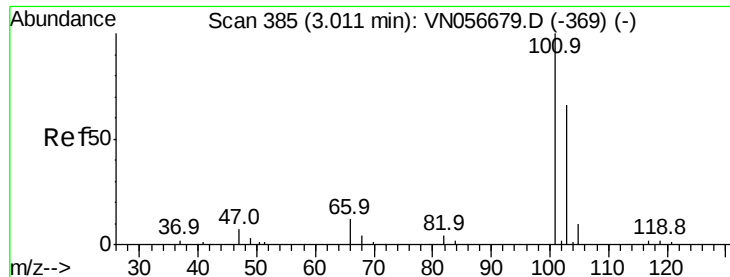
66 32.5 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

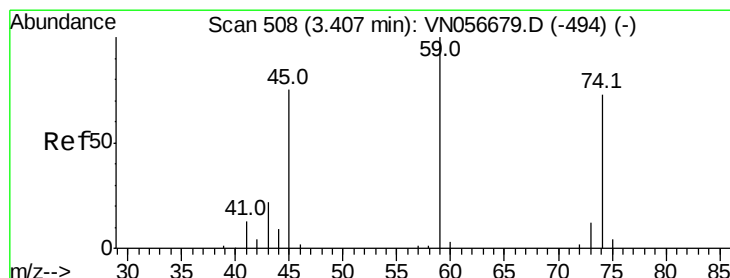
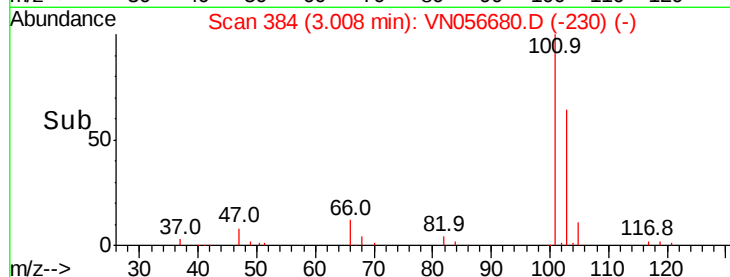
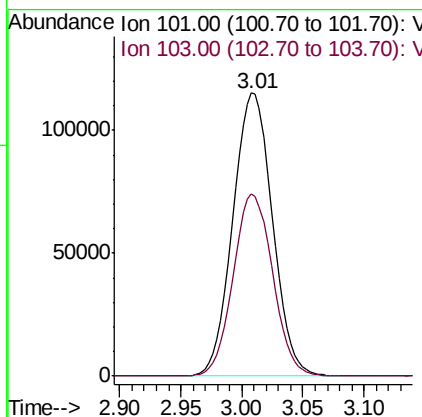
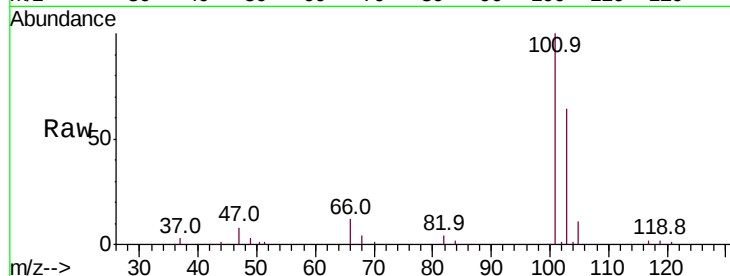
Trichlorofluoromethane
 Concen: 51.459 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.8	79.2

Manual Integrations
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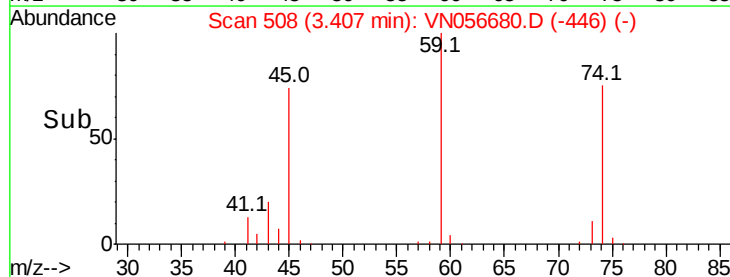
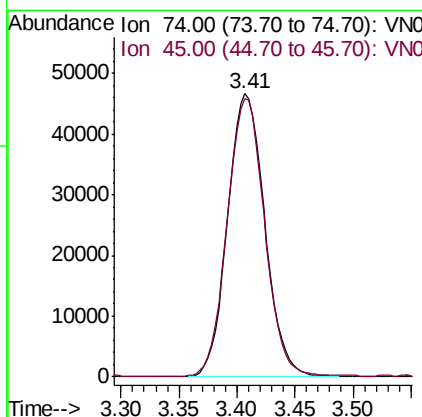
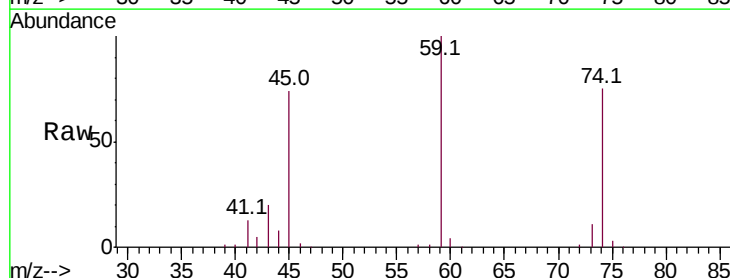
MMDadoda
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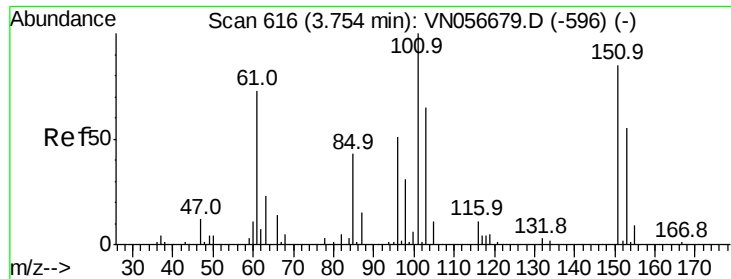


#8

Diethyl Ether
 Concen: 49.198 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	19.9	179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.900 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

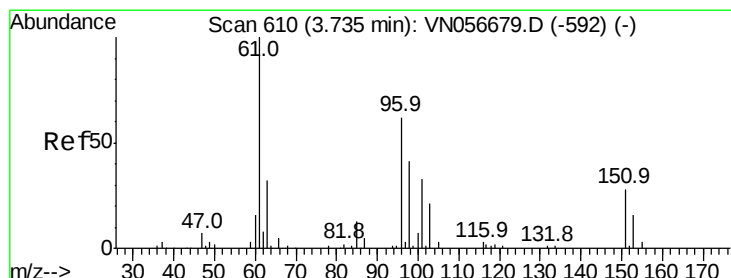
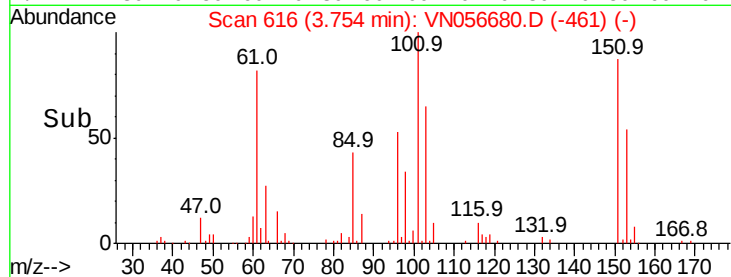
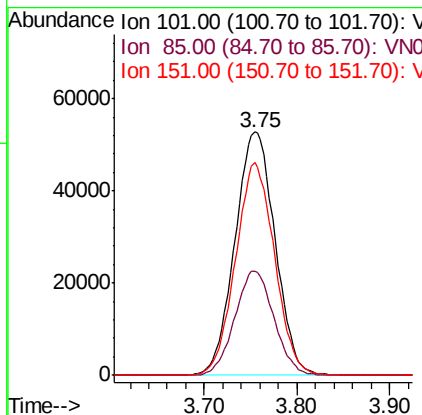
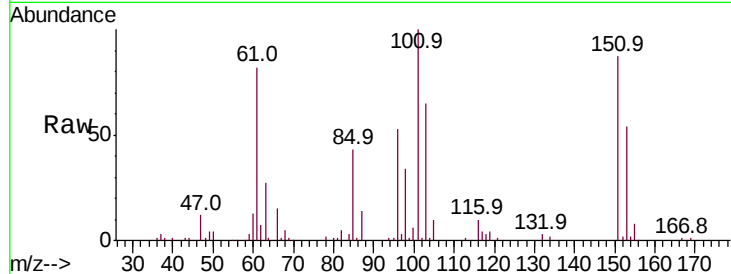
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	158771
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	84.2
151	84.9	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 51.194 ug/l

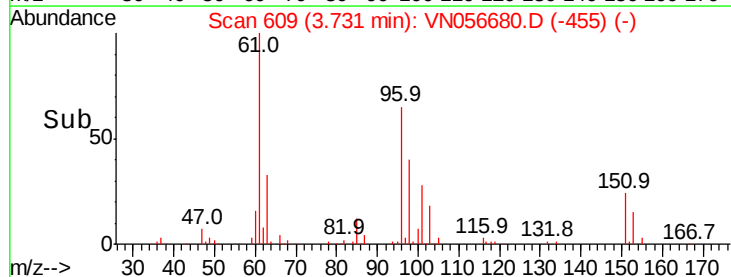
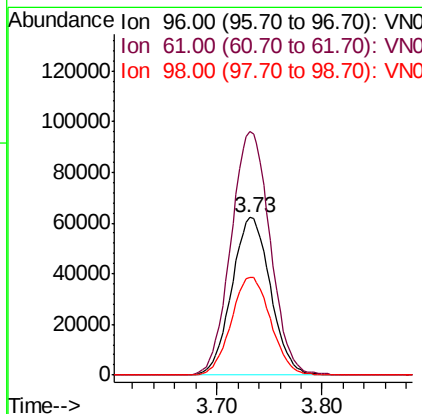
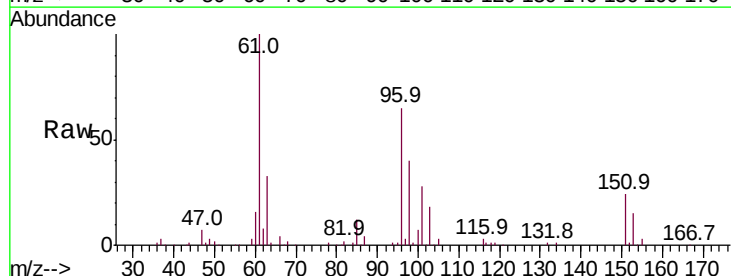
RT: 3.73 min Scan# 609

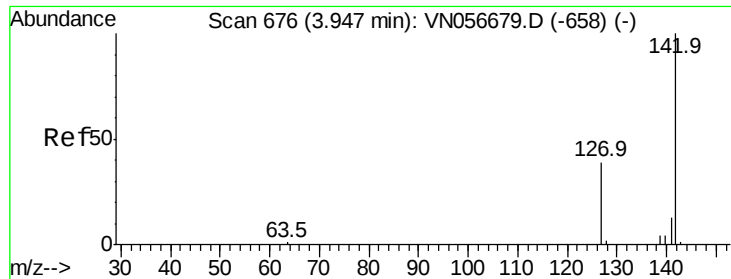
Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	96	Resp:	158730
Ion Ratio	Lower	Upper	
96	100		
61	154.3	129.0	193.4
98	62.3	52.5	78.7





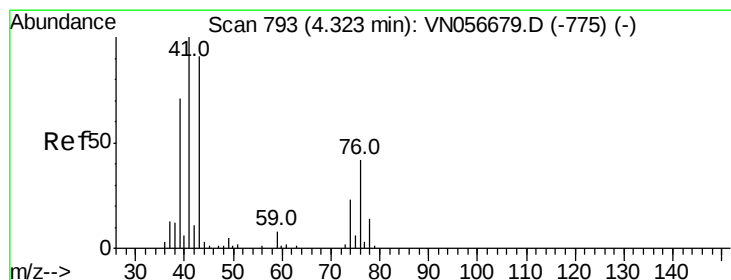
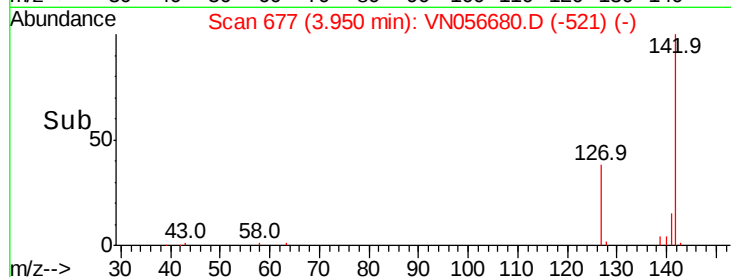
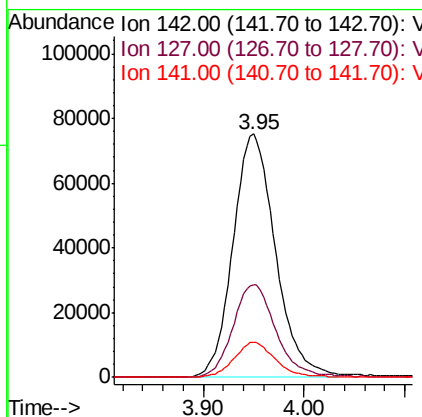
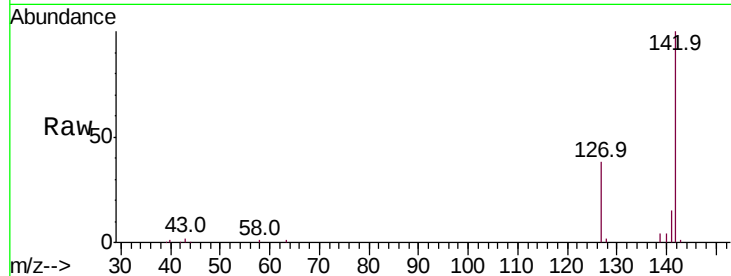
#11
Methyl Iodide
Concen: 49.812 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.5	58.5
141	14.6	6.8	20.3

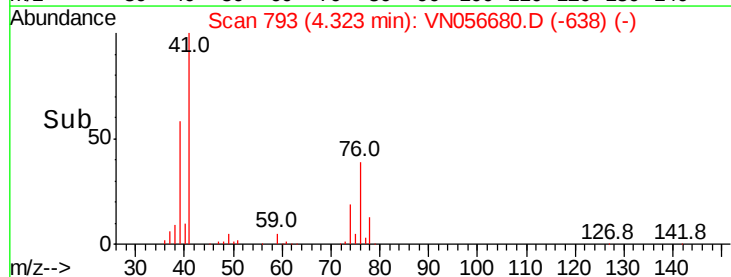
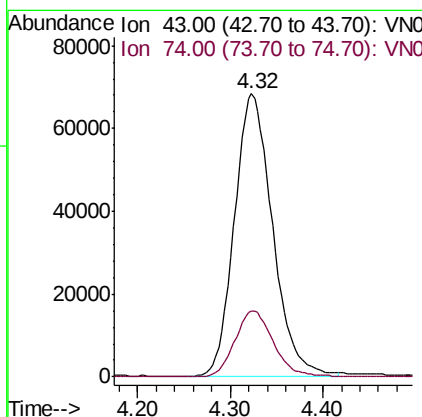
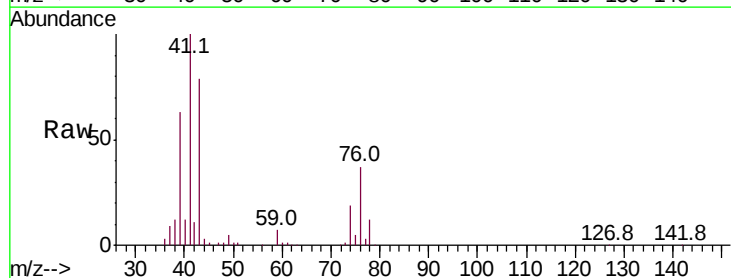
Manual Integrations
APPROVED

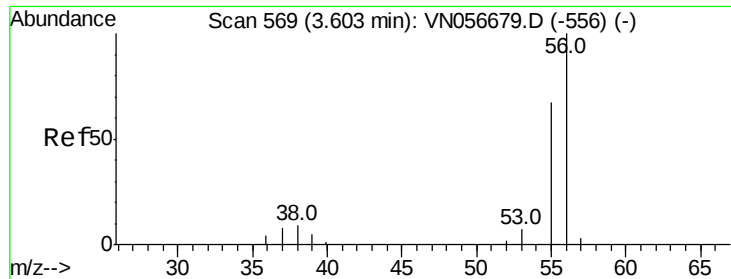
MMDadoda
7/16/2019 9:59:12 AM



#12
Methyl Acetate
Concen: 46.726 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.2	30.4





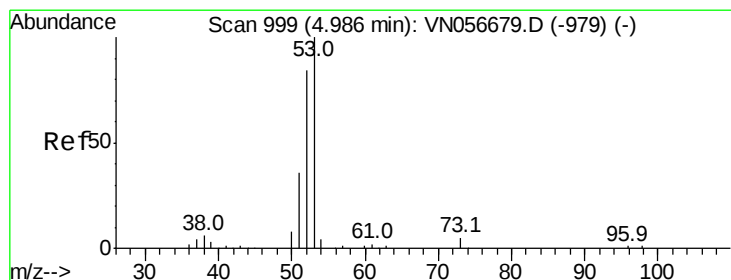
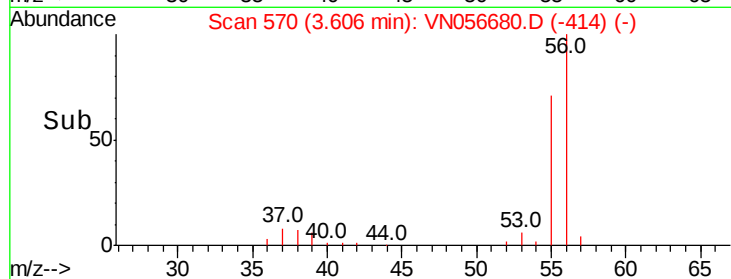
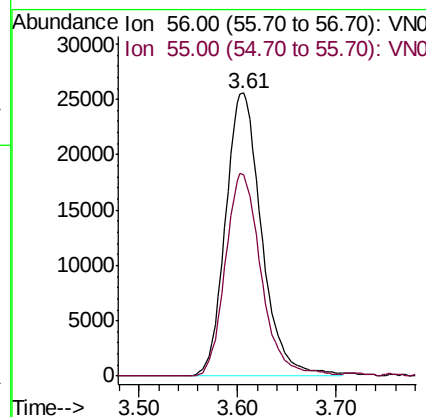
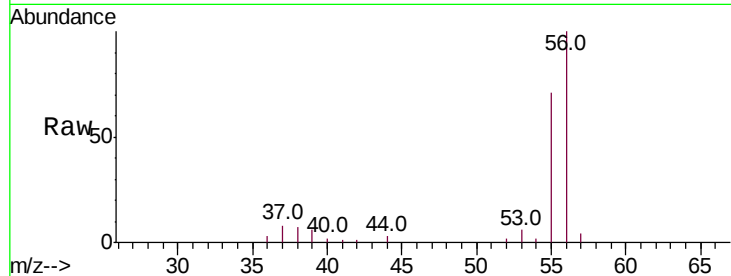
#13
Acrolein
Concen: 172.381 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	56	Resp	65317
Ion Ratio	Lower	Upper	
56	100		
55	69.9	56.9	85.3

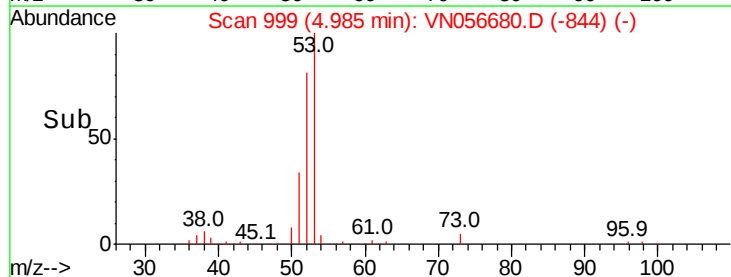
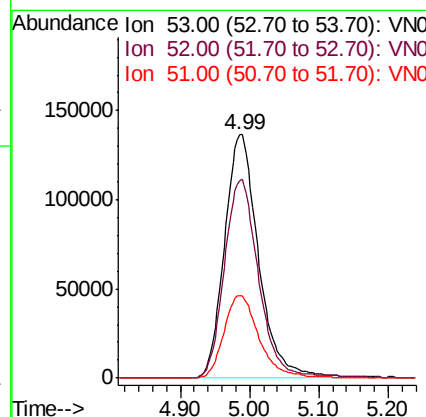
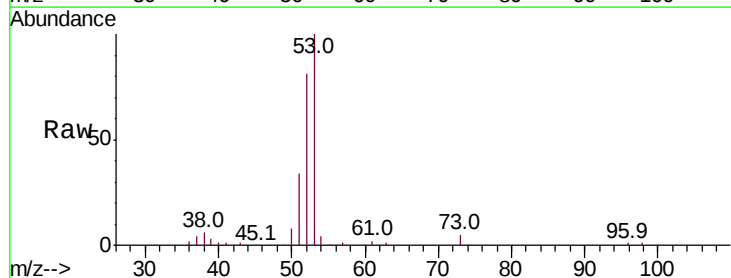
Manual Integrations
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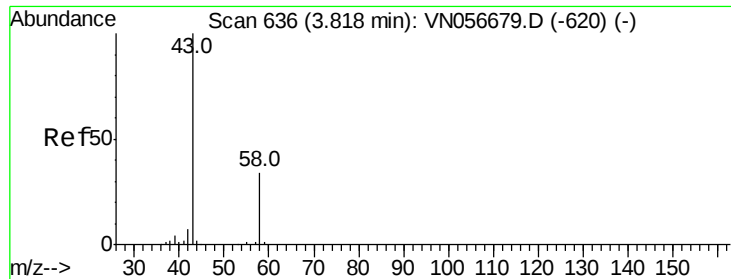
MMDadoda
7/16/2019 9:59:12 AM



#14
Acrylonitrile
Concen: 255.630 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	53	Resp	467750
Ion Ratio	Lower	Upper	
53	100		
52	81.8	41.3	123.7
51	34.9	17.7	53.1





#15

Acetone

Concen: 307.165 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 171858

Ion Ratio Lower Upper

58 100

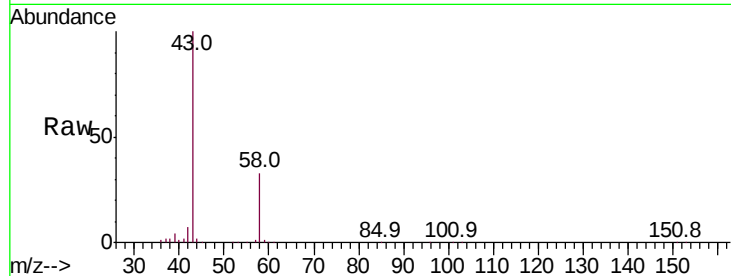
43 301.9 233.9 350.9

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN056679.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-620) (-)

200000

150000

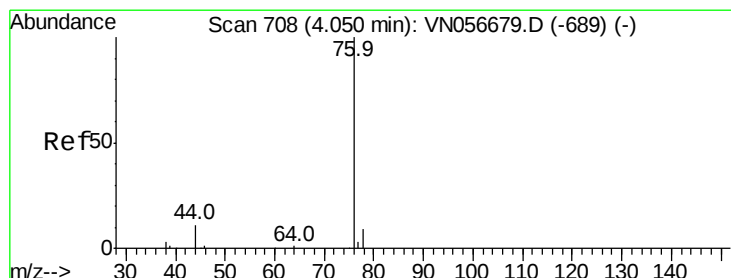
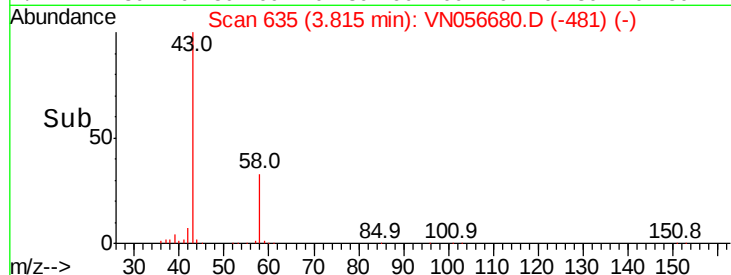
100000

50000

0

3.81

Time-->



#16

Carbon Disulfide

Concen: 54.083 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056680.D

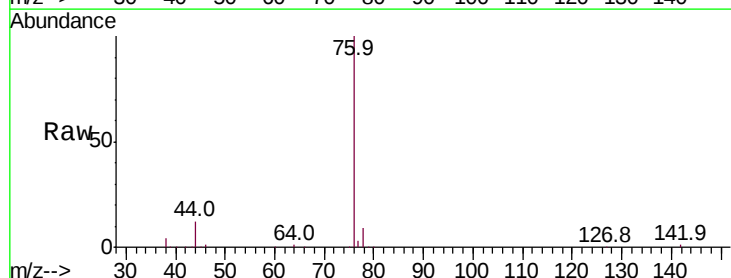
Acq: 12 Jul 2019 10:59

Tgt Ion: 76 Resp: 413221

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-689) (-)

150000

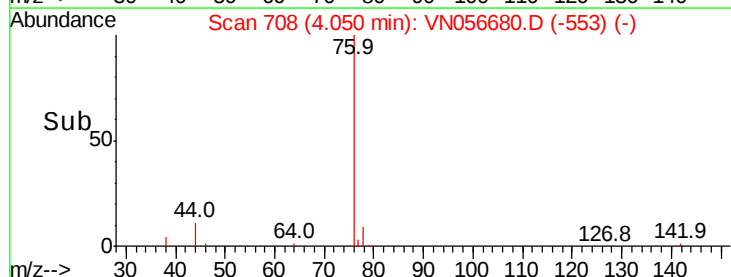
100000

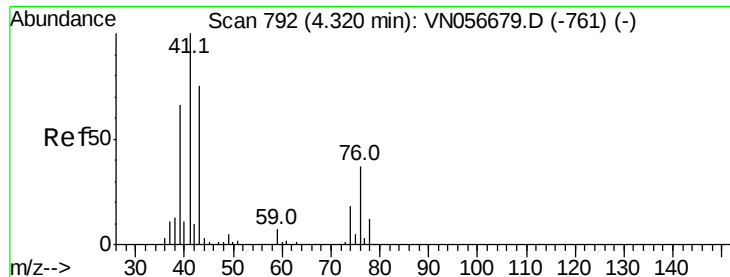
50000

0

4.05

Time-->





#17

Allvl chloride

Concen: 51.036 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

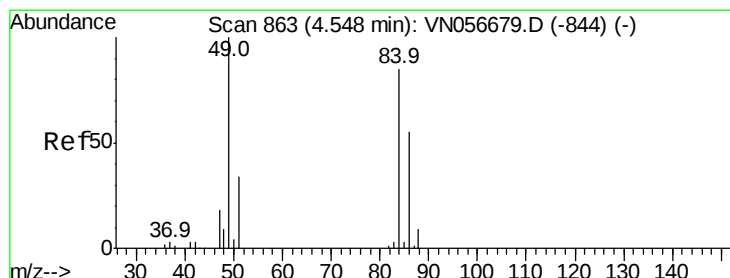
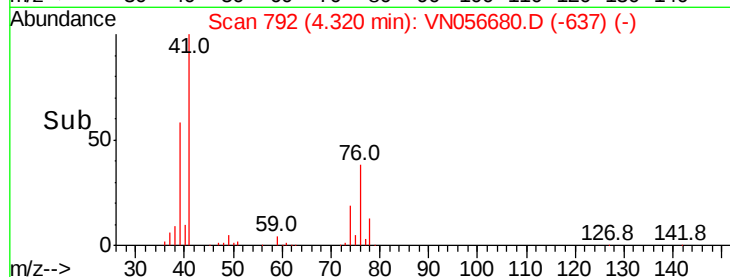
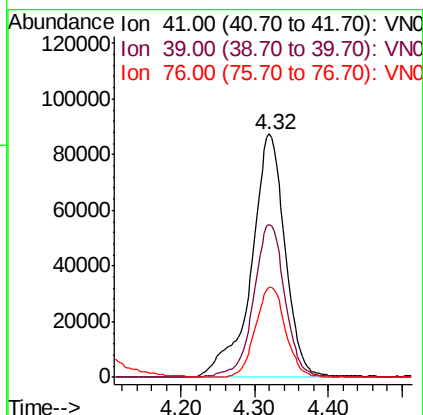
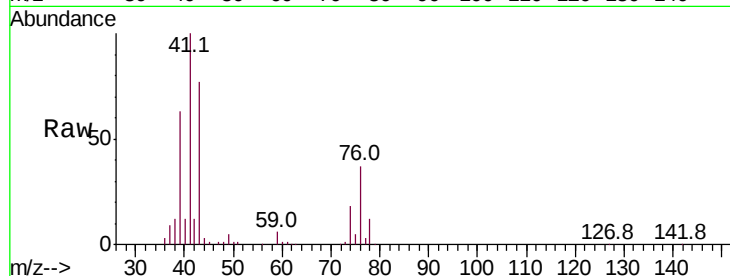
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	277501
Ion	Ratio	Lower	Upper
41	100		
39	62.9	32.8	98.4
76	36.5	18.5	55.5

Manual Integrations
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#18

Methylene Chloride

Concen: 49.892 ug/l

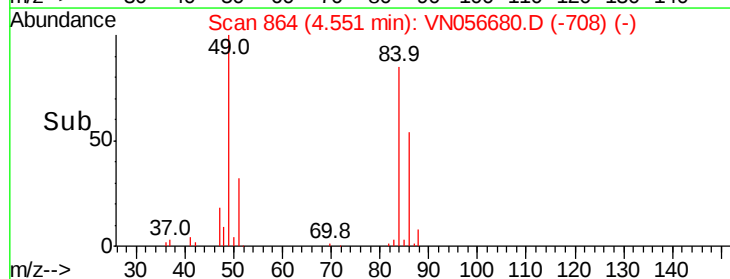
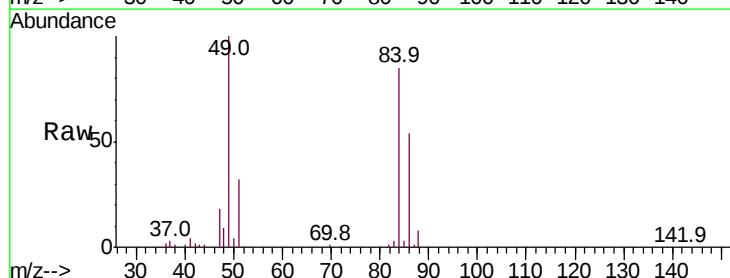
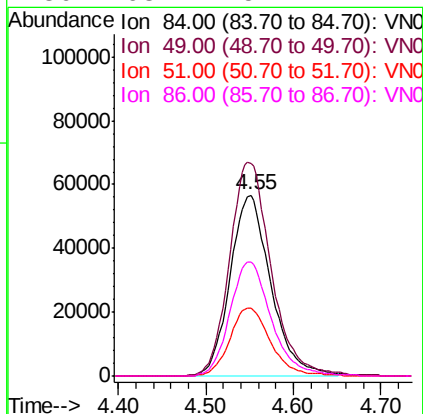
RT: 4.55 min Scan# 864

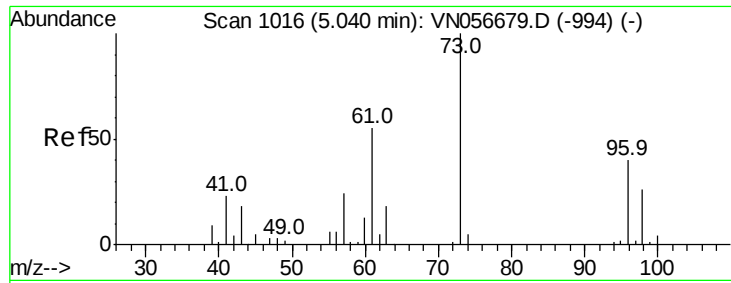
Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	84	Resp:	183141
Ion	Ratio	Lower	Upper
84	100		
49	117.4	93.9	140.9
51	37.4	31.7	47.5
86	63.2	51.4	77.2





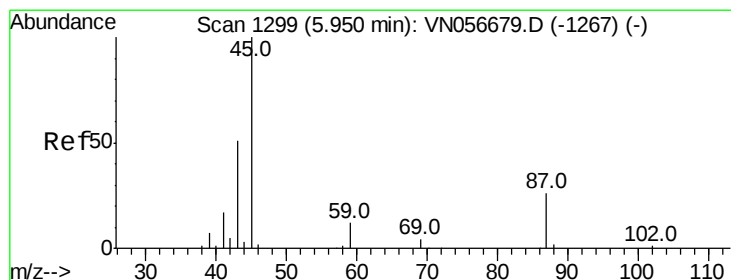
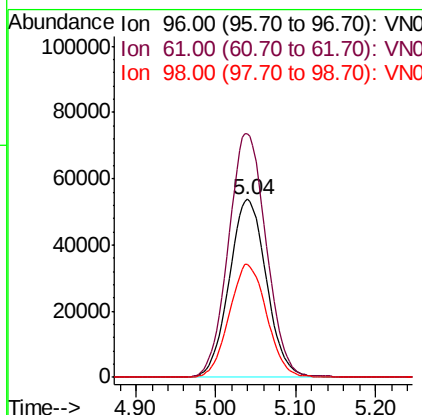
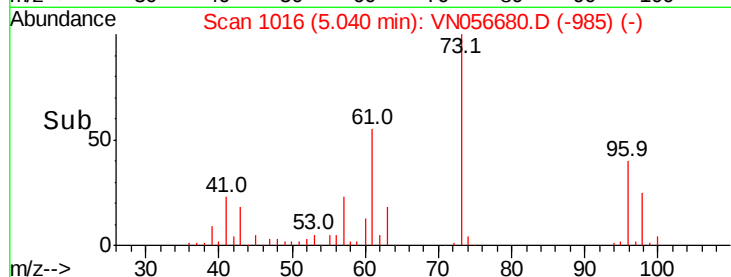
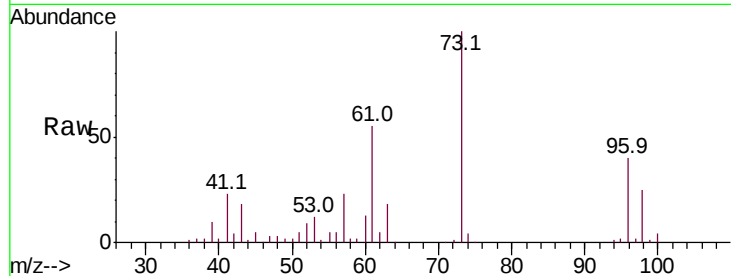
#19
trans-1,2-Dichloroethene
Concen: 50.588 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.6	164.4
98	63.4	51.4	77.2

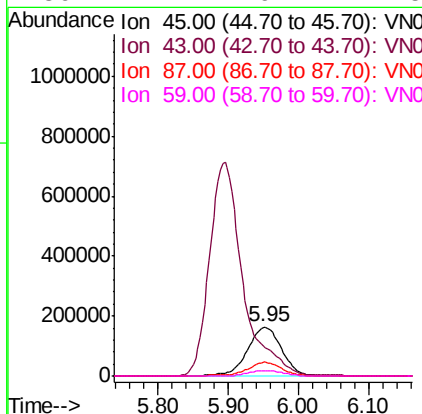
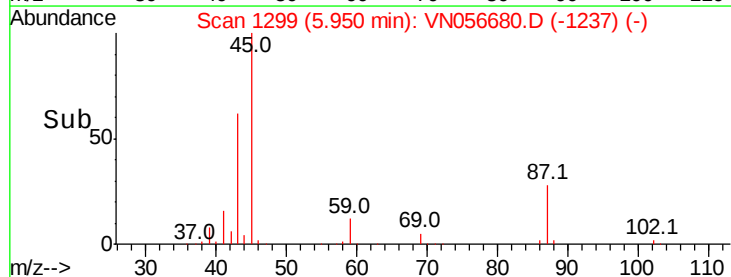
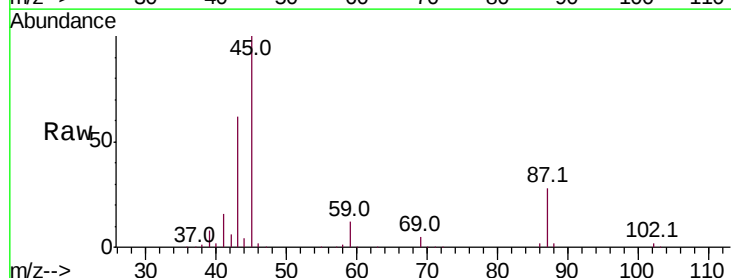
Manual Integrations
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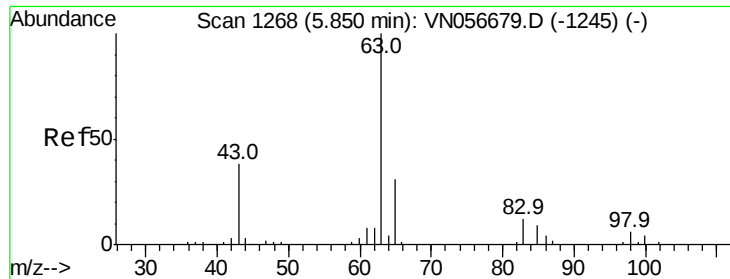
MMDadoda
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#20
Diisopropyl ether
Concen: 49.751 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	50.3	75.5
87	27.7	21.4	32.0
59	11.4	9.7	14.5





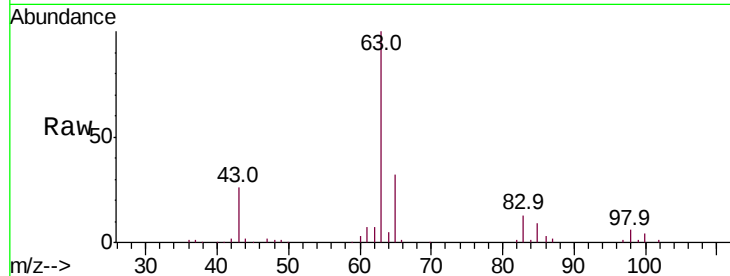
#21
 1,1-Dichloroethane
 Concen: 50.174 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.1	3.3	9.8
100	4.1	2.1	6.3

Manual Integrations
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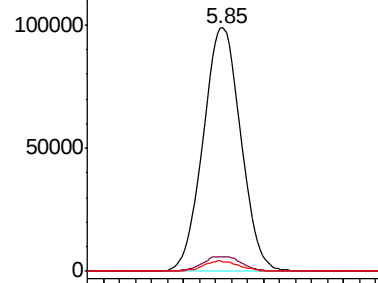
MMDadoda
 7/16/2019 9:59:12 AM



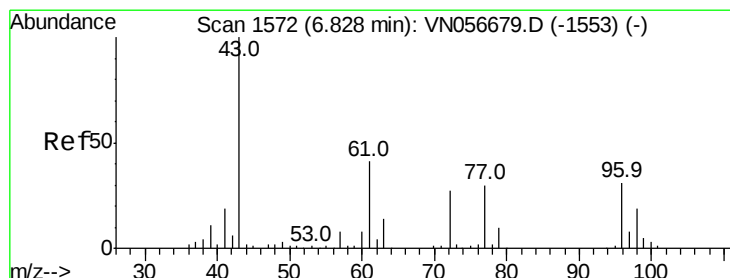
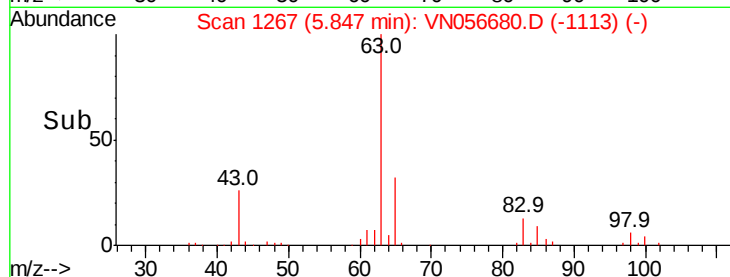
Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1245) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-1245) (-)

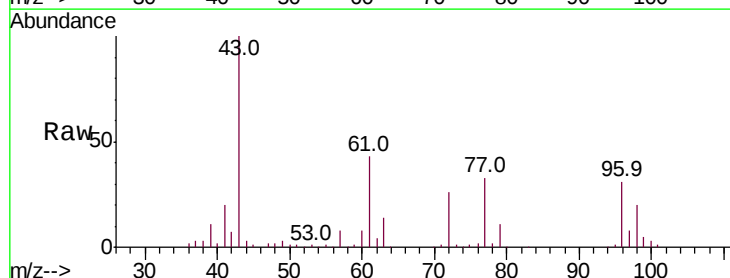


Time-->



#22
 cis-1,2-Dichloroethene
 Concen: 49.785 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

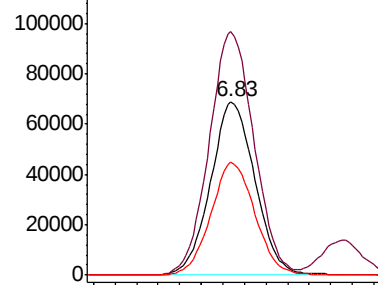
Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	141.8	112.1	168.1
98	64.7	52.2	78.2



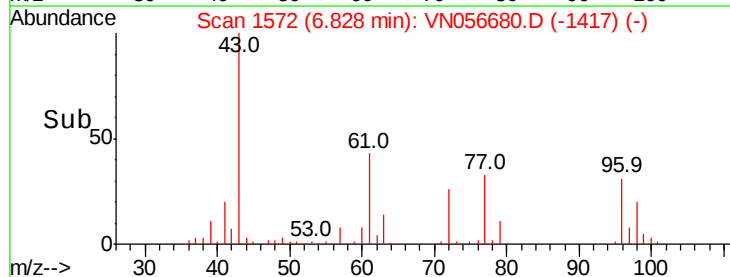
Abundance Ion 96.00 (95.70 to 96.70): VN056679.D (-1553) (-)

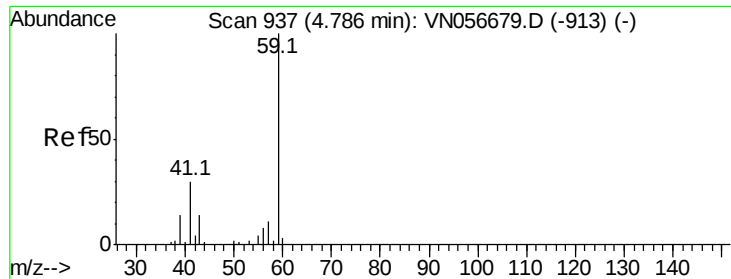
Ion 61.00 (60.70 to 61.70): VN056679.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN056679.D (-1553) (-)



Time-->





#23

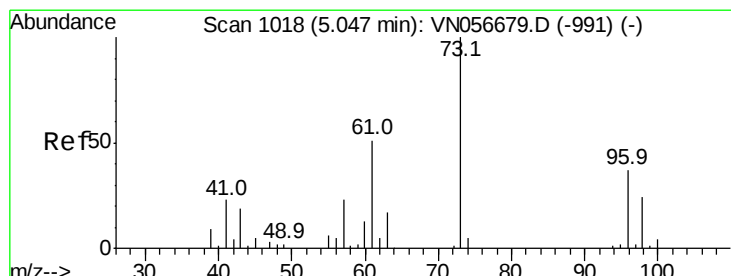
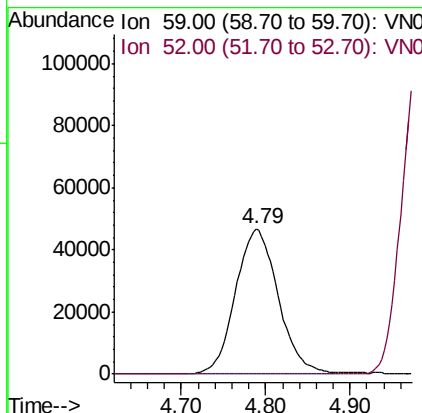
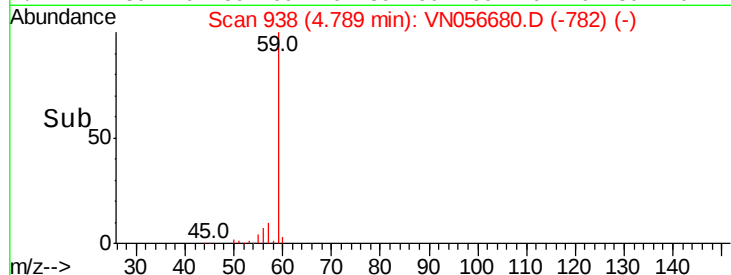
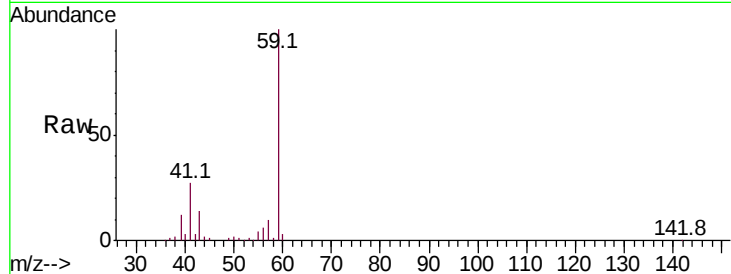
tert-Butyl Alcohol
 Concen: 240.707 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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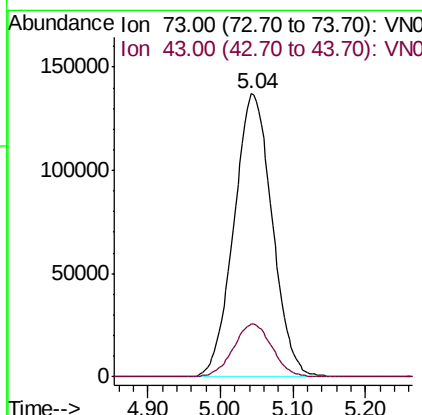
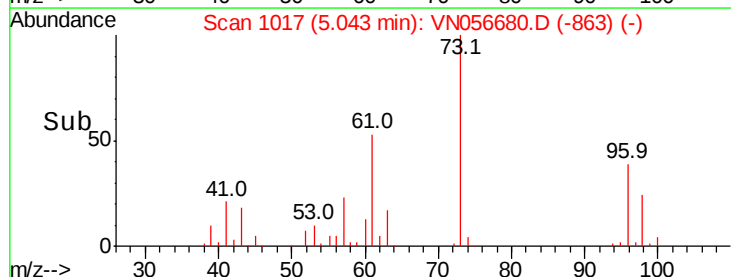
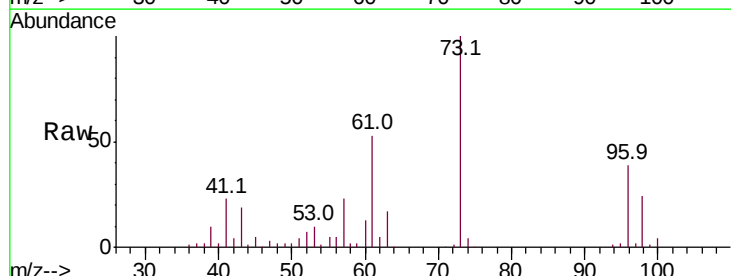
MMDadoda
 7/16/2019 9:59:12 AM

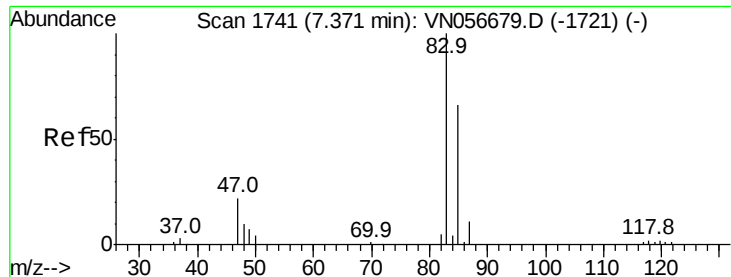


#24

Methyl tert-Butyl Ether
 Concen: 49.339 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.1	22.7





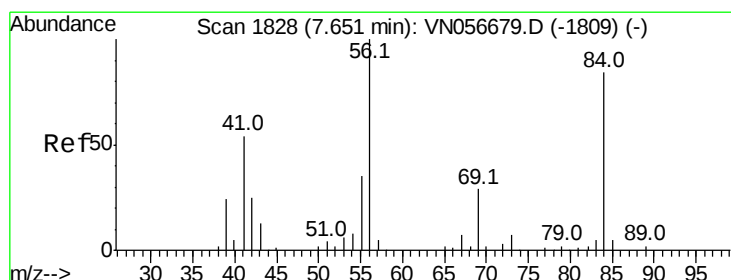
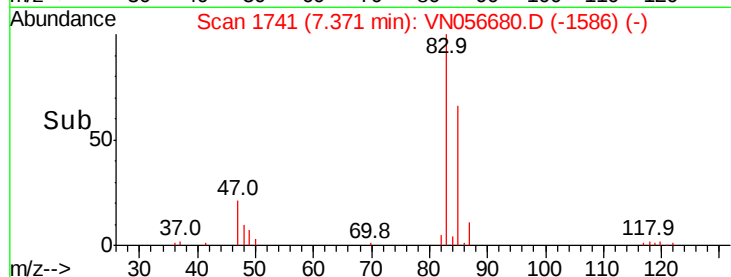
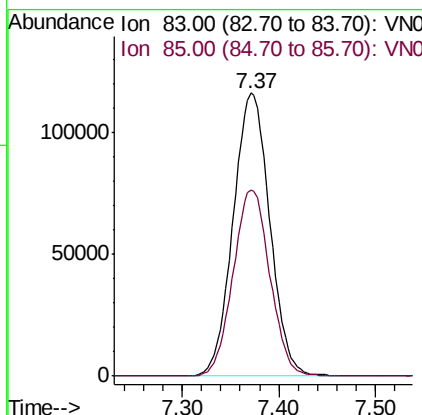
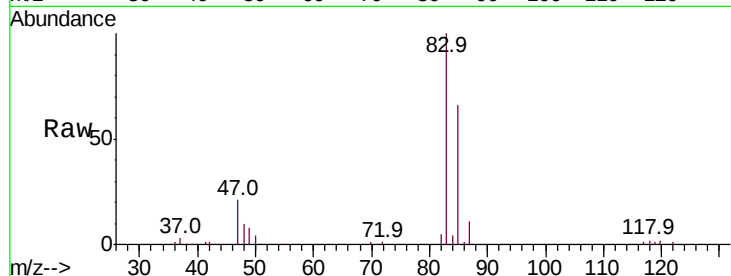
#25
Chloroform
Concen: 49.443 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	305832
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0

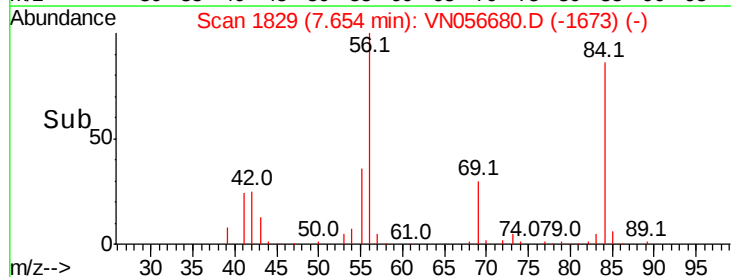
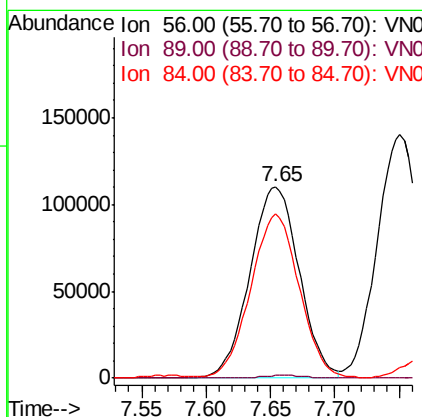
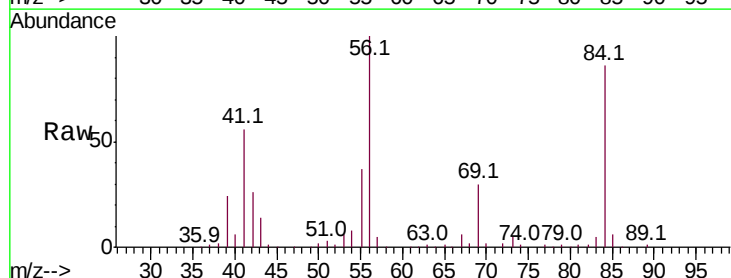
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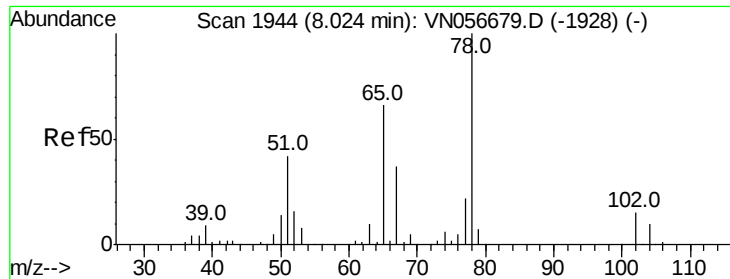
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#26
Cyclohexane
Concen: 50.262 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	56	Resp	293793
Ion	Ratio	Lower	Upper
56	100		
89	1.2	1.4	2.2#
84	83.4	68.2	102.4





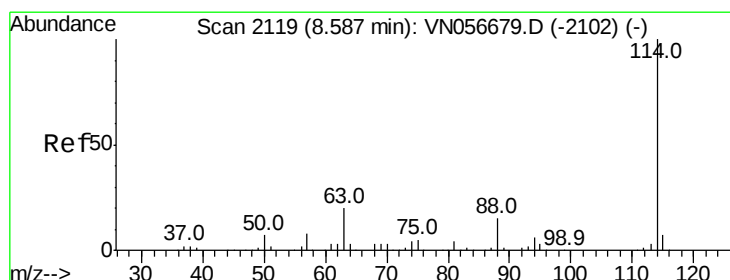
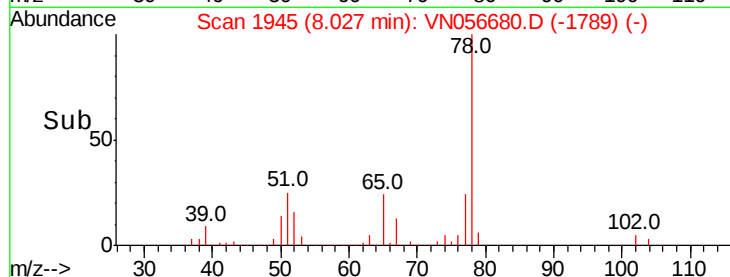
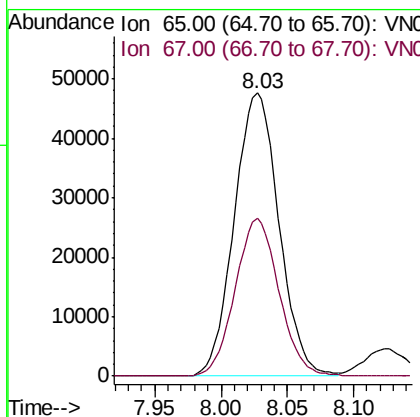
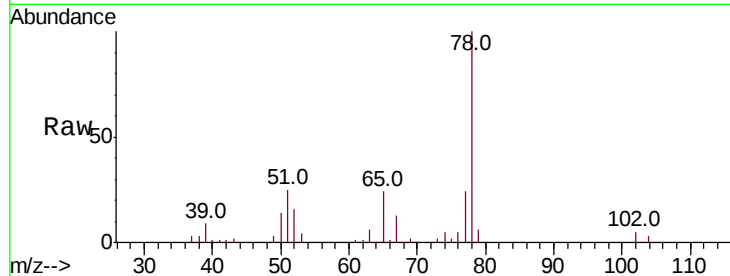
#27
 1,2-Dichloroethane-d4
 Concen: 29.284 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 65 Resp: 111702
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0

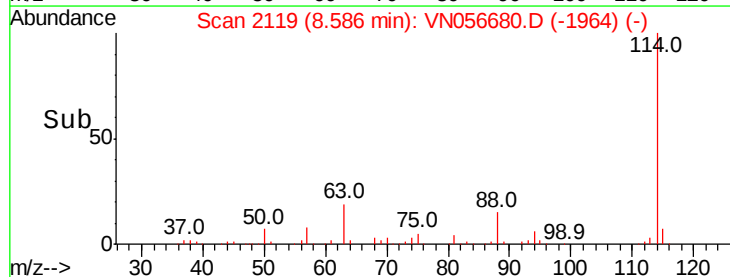
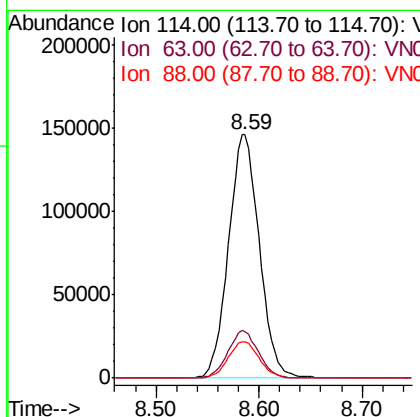
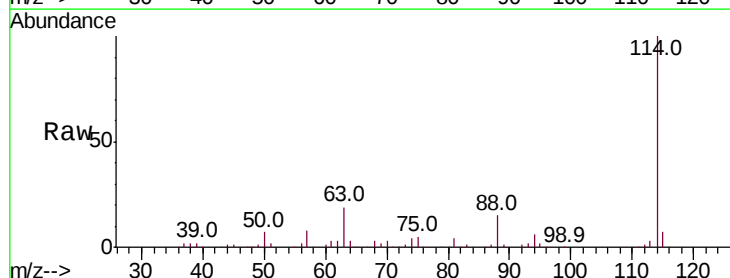
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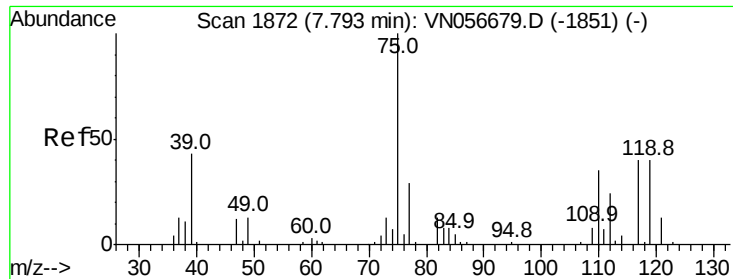
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 7/16/2019 9:59:12 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 114 Resp: 303593
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.2 24.2
 88 15.1 12.3 18.5





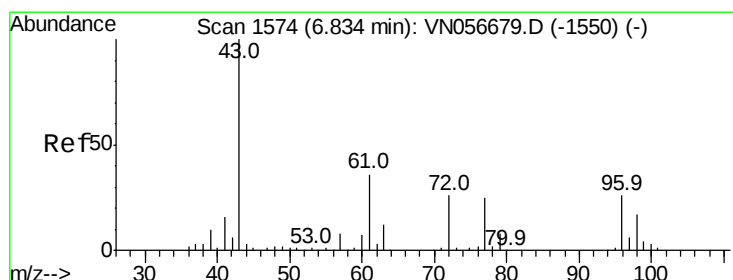
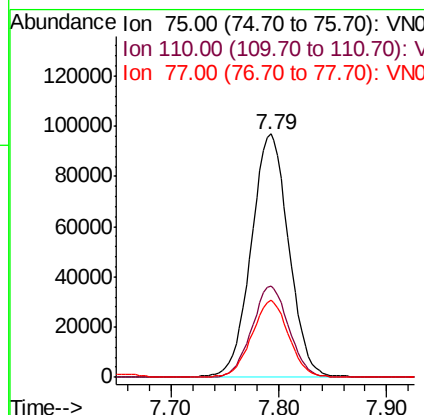
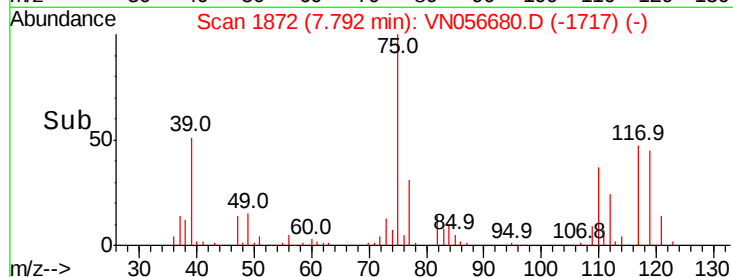
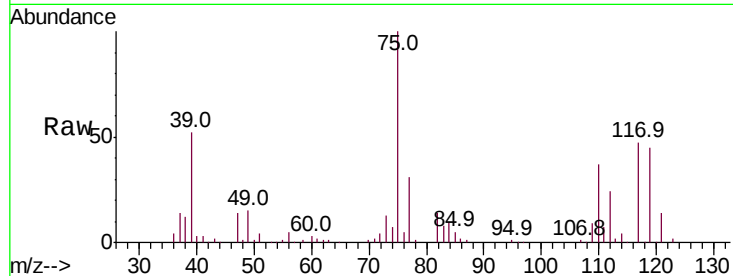
#29
 1,1-Dichloropropene
 Concen: 50.737 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	0.0	72.4	
77	31.2	0.0	62.2	

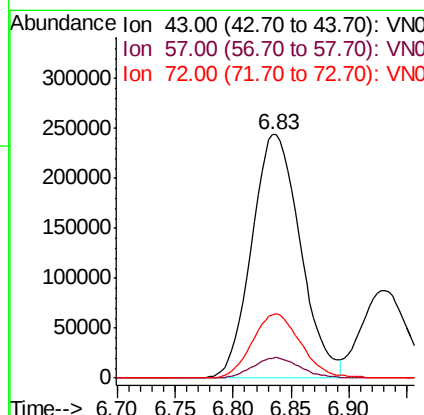
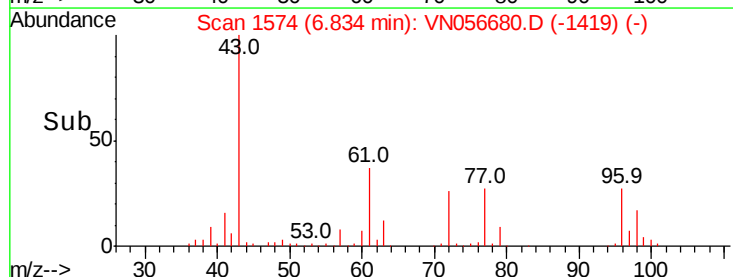
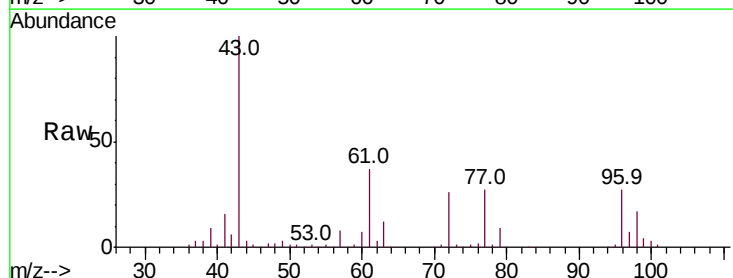
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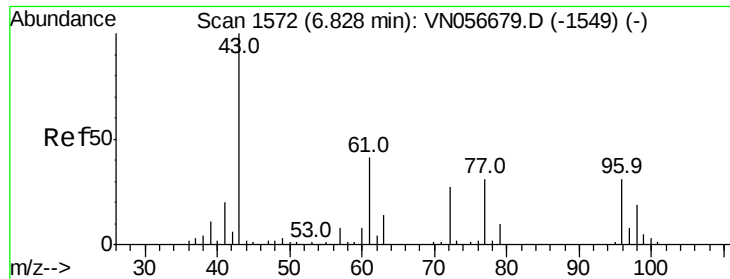
MMDadoda
 7/16/2019 9:59:12 AM



#30
 2-Butanone
 Concen: 273.049 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.3	6.6	10.0	
72	26.5	21.3	31.9	





#31

2,2-Dichloropropane

Concen: 52.260 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 231878

Ion Ratio Lower Upper

77 100

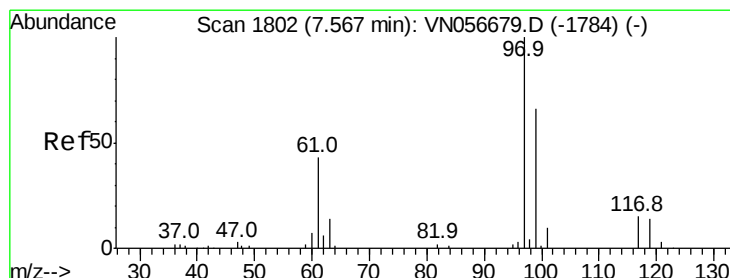
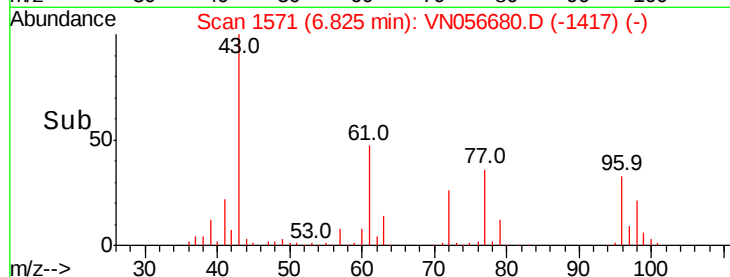
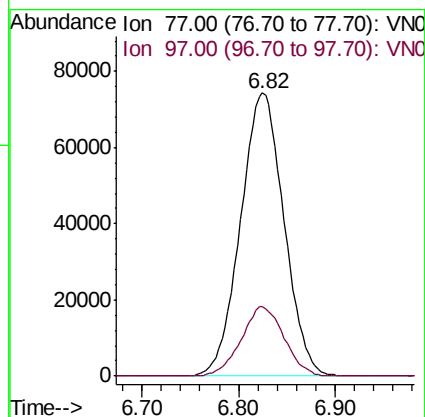
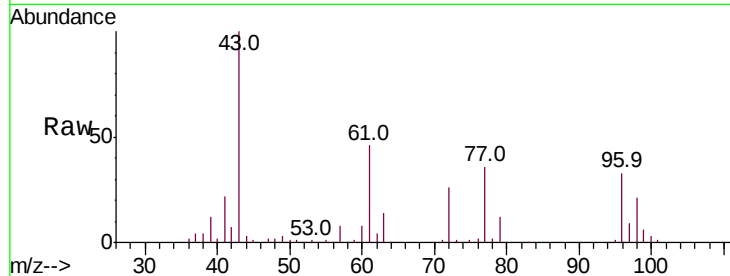
97 24.2 19.7 29.5

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#32

1,1,1-Trichloroethane

Concen: 51.871 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

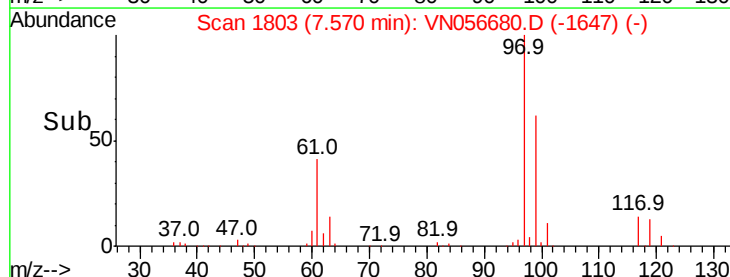
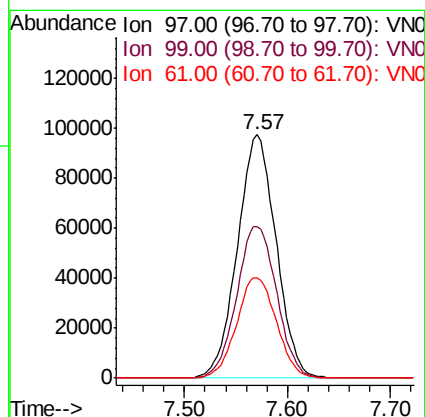
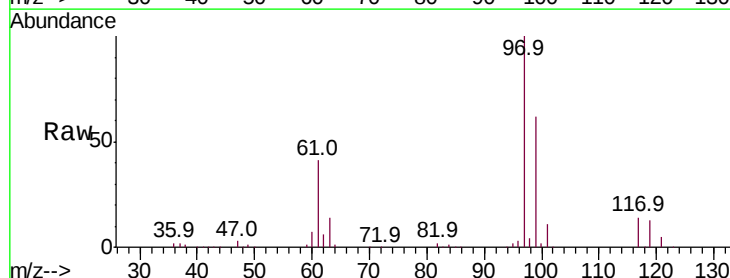
Tgt Ion: 97 Resp: 254203

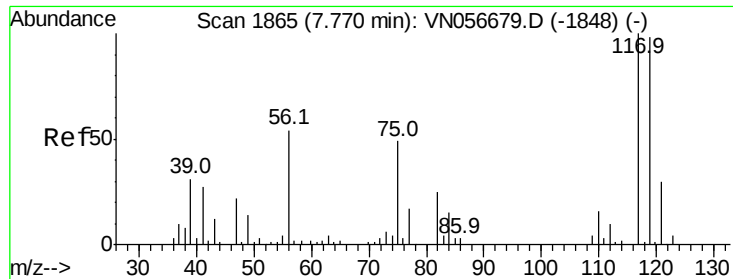
Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 42.5 34.4 51.6





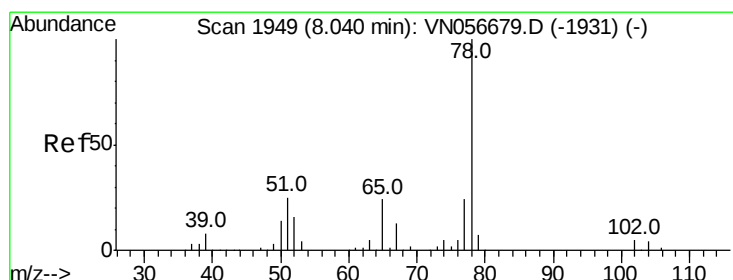
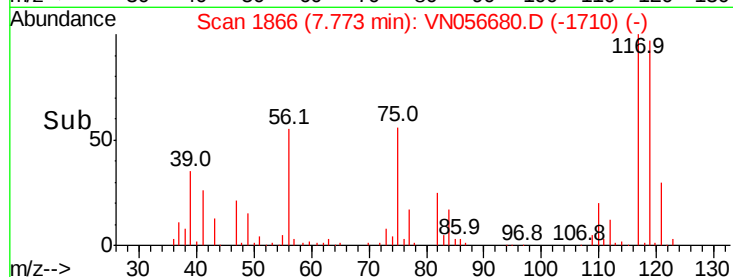
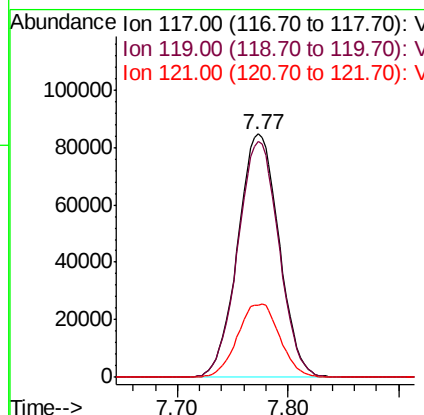
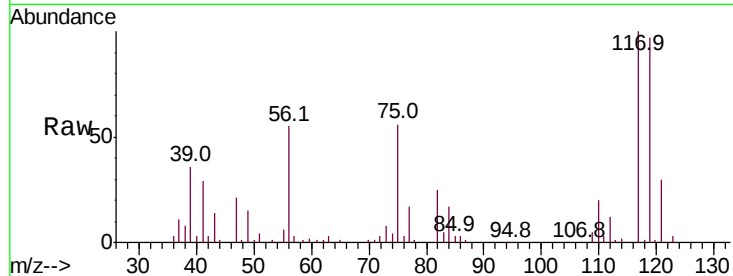
#33
Carbon Tetrachloride
Concen: 52.461 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.7	118.1
121	29.9	24.0	36.0

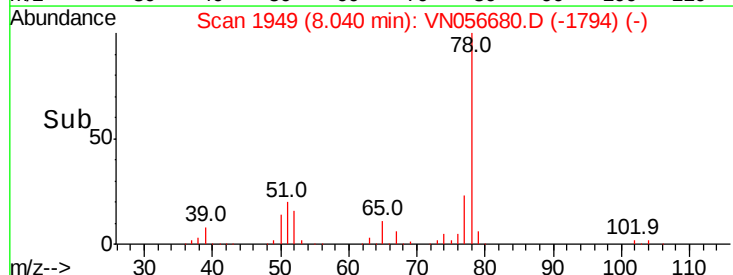
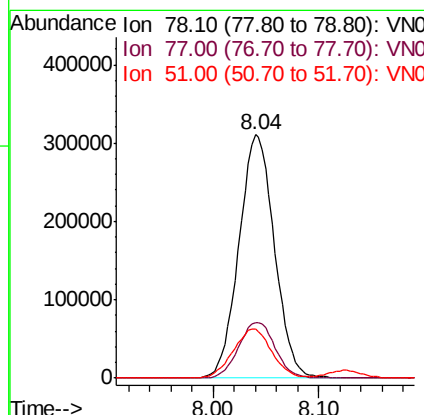
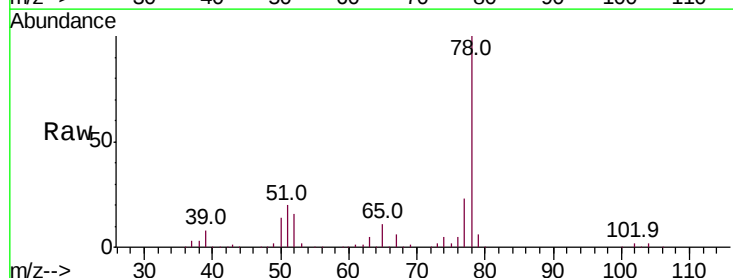
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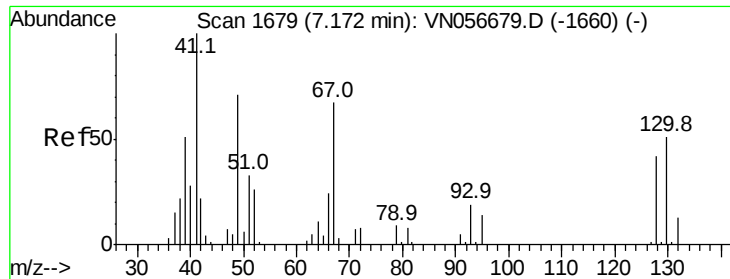
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#34
Benzene
Concen: 50.528 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4
51	20.0	19.7	29.5





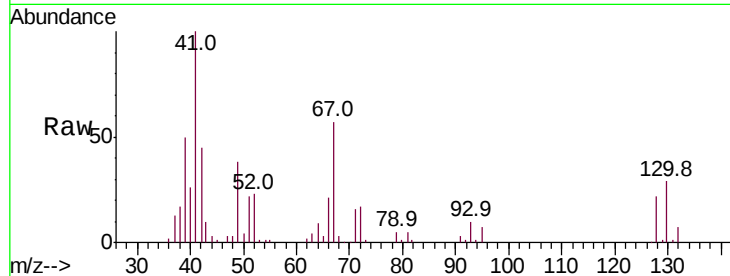
#35
Methacrylonitrile
Concen: 49.279 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	25.4	76.2
67	57.4	33.6	100.8
52	23.2	12.9	38.7

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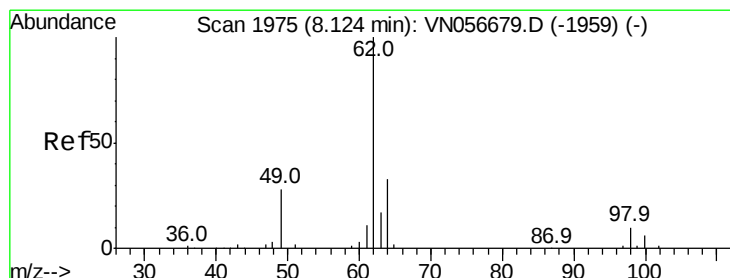
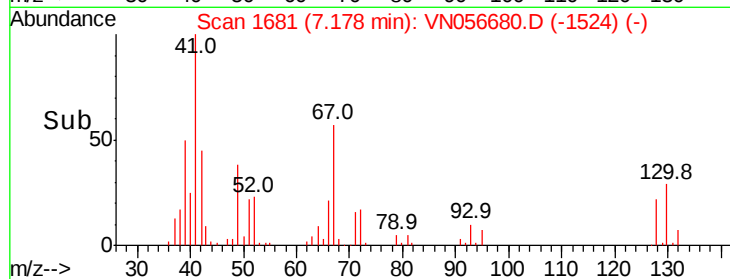
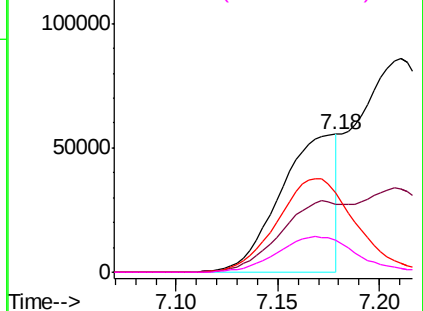
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

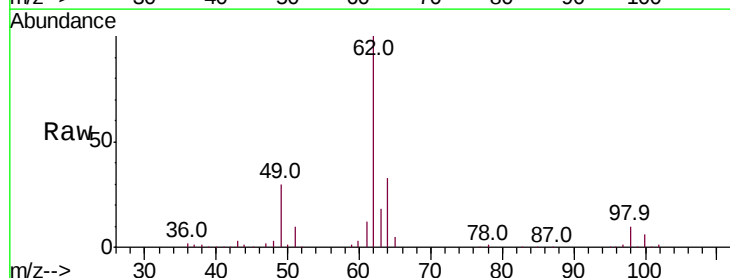
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 49.282 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

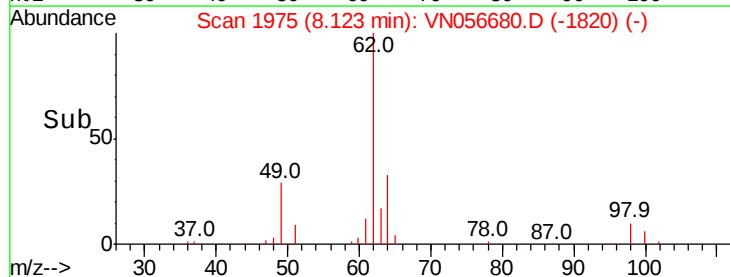
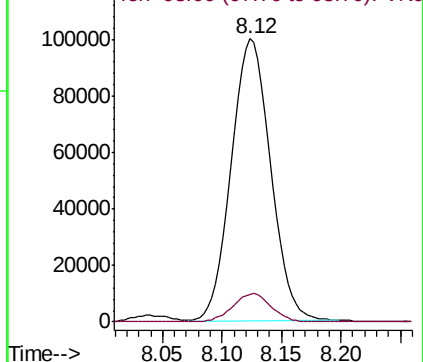
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.7	11.5

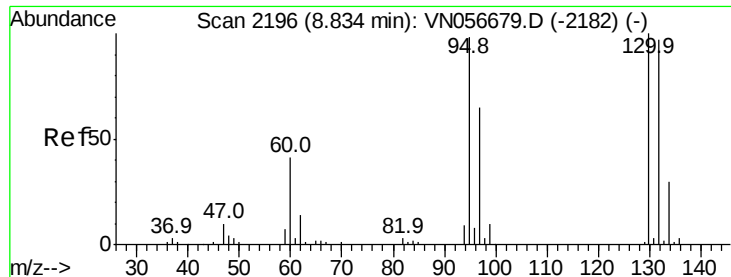


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





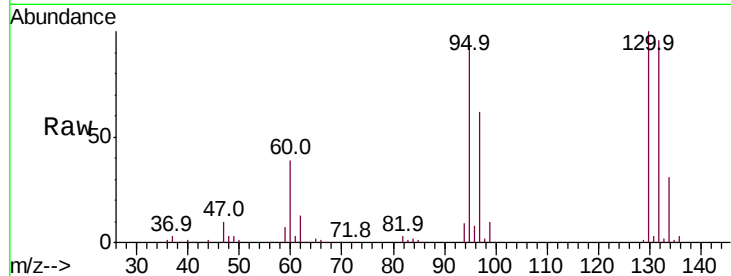
#37
 Trichloroethene
 Concen: 51.469 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

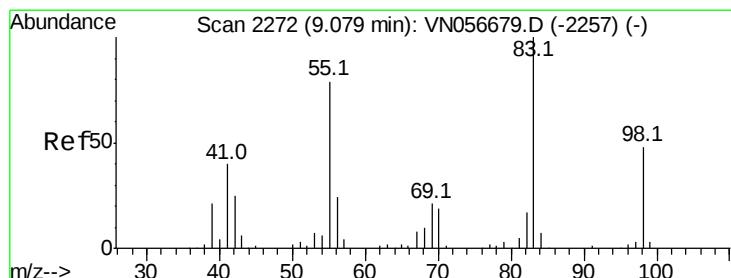
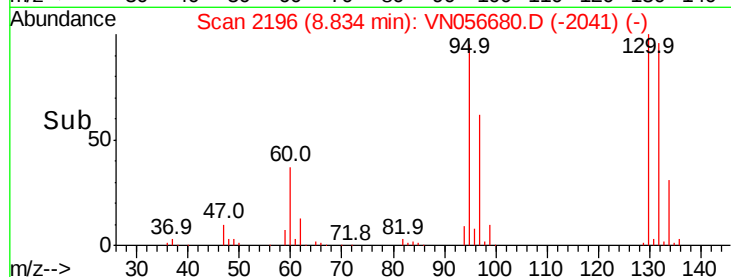
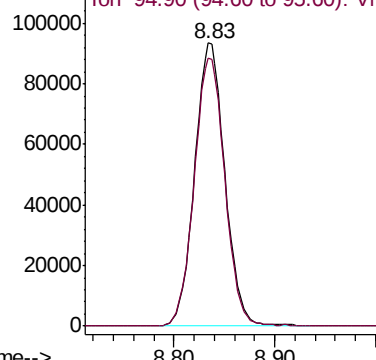
Tot Ion:130 Resp: 194745
 Ion Ratio Lower Upper
 130 100
 95 94.8 78.4 117.6

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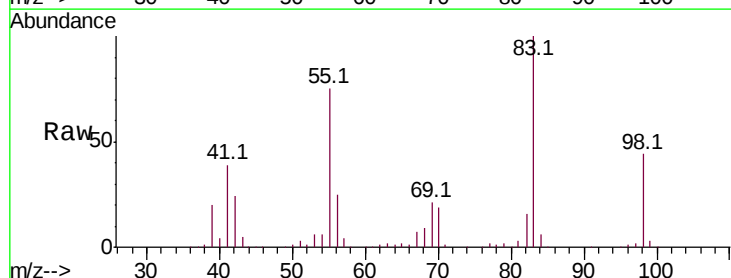


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

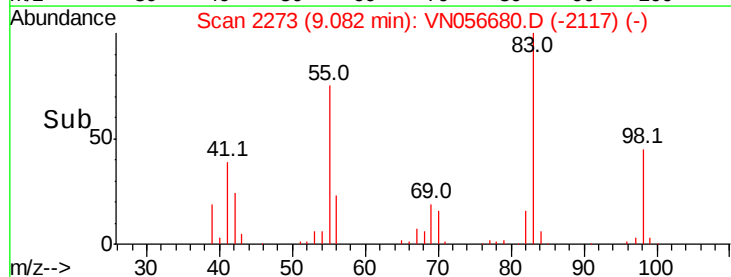
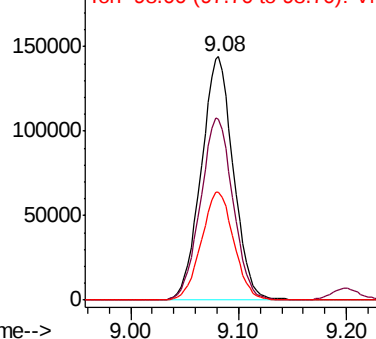


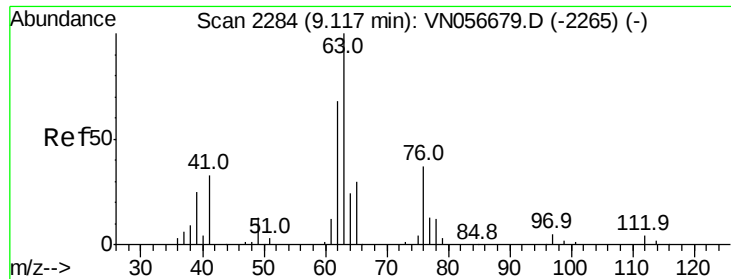
#38
 Methylcyclohexane
 Concen: 51.662 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 83 Resp: 299305
 Ion Ratio Lower Upper
 83 100
 55 75.6 38.4 115.2
 98 44.9 23.3 69.9



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





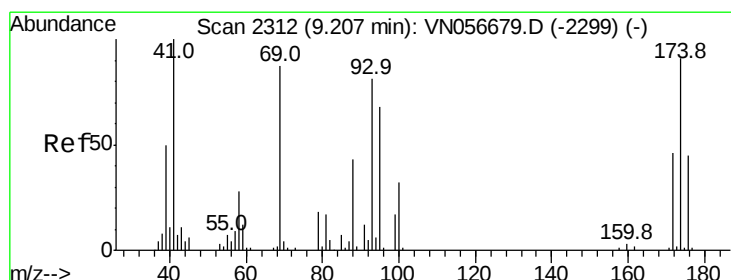
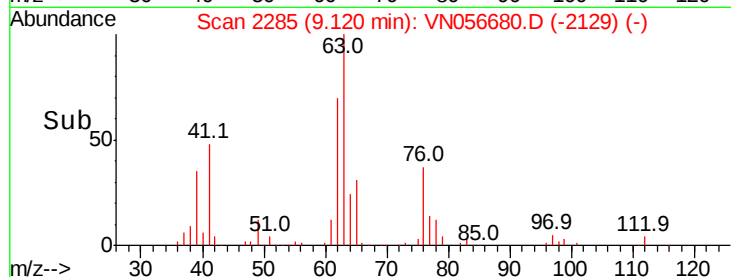
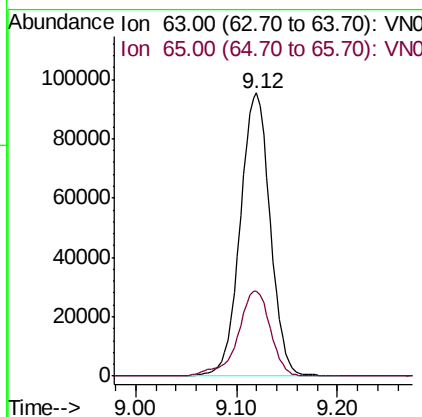
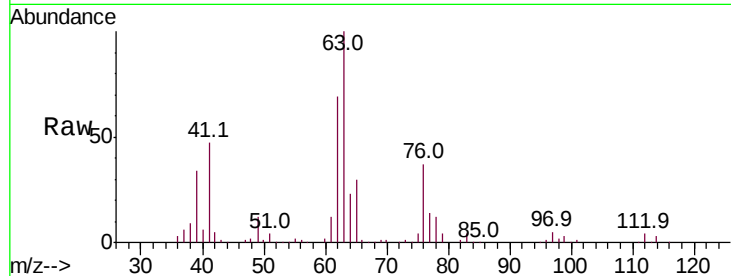
#39
 1,2-Dichloropropane
 Concen: 50.679 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 195384
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 36.8

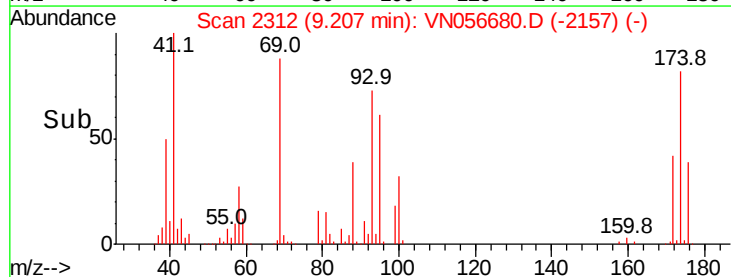
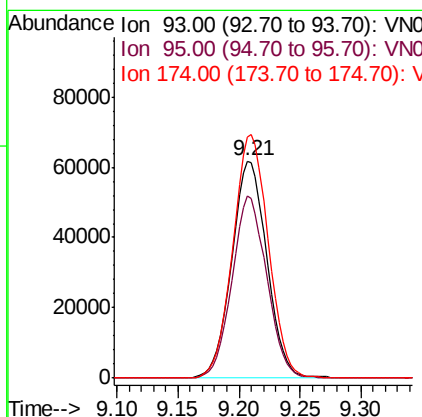
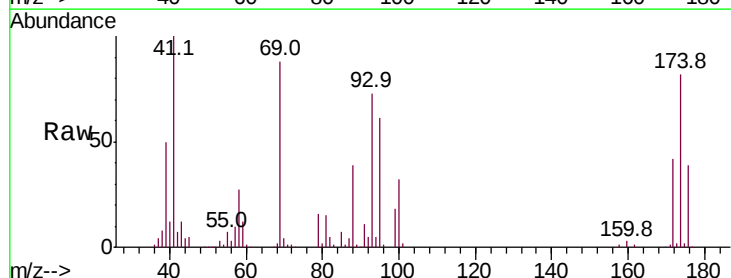
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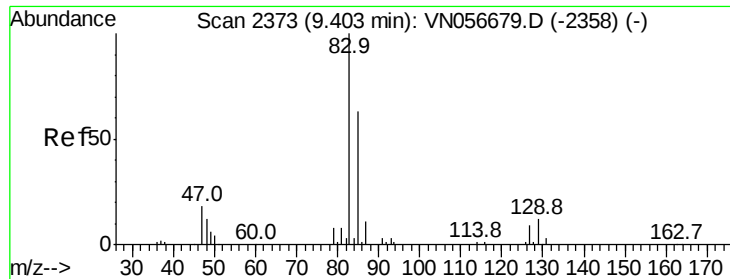
MMDadoda
 7/16/2019 9:59:12 AM



#40
 Dibromomethane
 Concen: 51.580 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion: 93 Resp: 123562
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 167.0
 174 113.0 0.0 224.2





#41

Bromodichloromethane

Concen: 52.108 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 232136

Ion Ratio Lower Upper

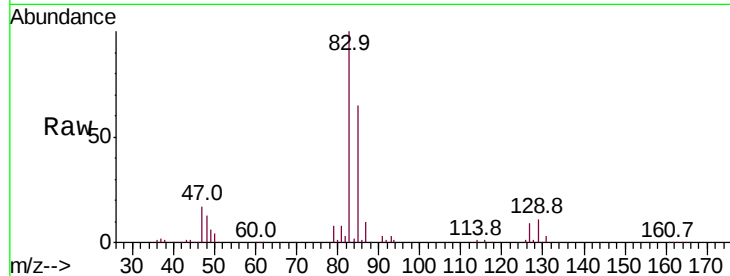
83 100

85 65.5 50.1 75.1

127 9.4 7.0 10.4

Manual Integrations
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7/16/2019 9:59:12 AM

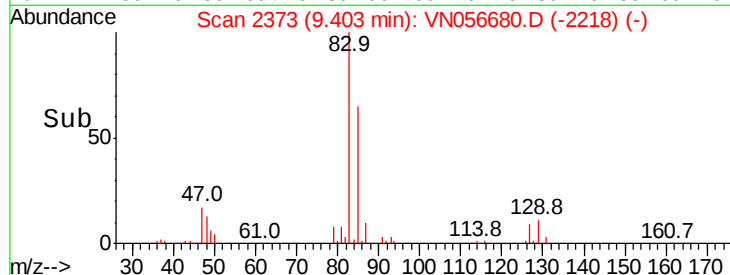


Abundance Ion 83.00 (82.70 to 83.70): VN056679.D (-2358) (-)

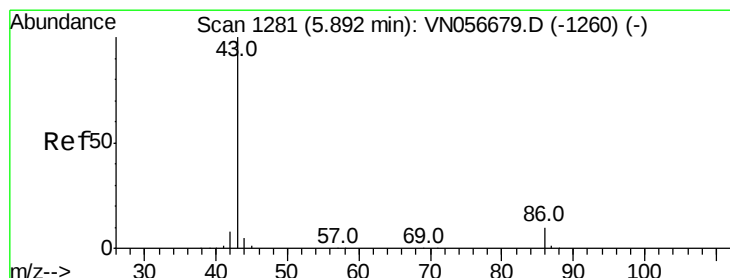
Ion 85.00 (84.70 to 85.70): VN056679.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN056679.D (-2358) (-)

Time-->



Time-->



#42

Vinyl Acetate

Concen: 259.169 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056680.D

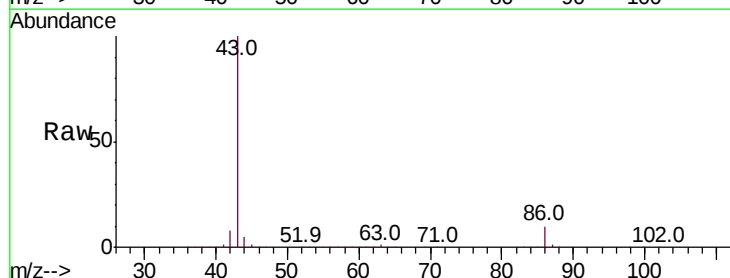
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 2346568

Ion Ratio Lower Upper

43 100

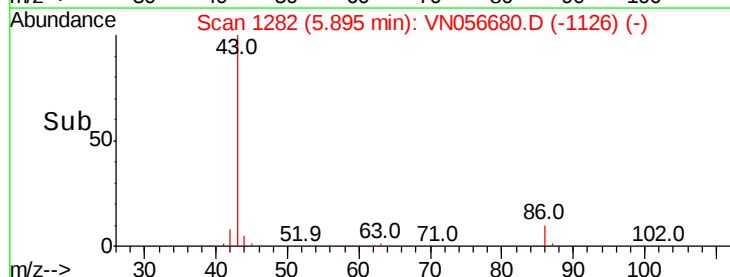
86 9.3 7.4 11.2



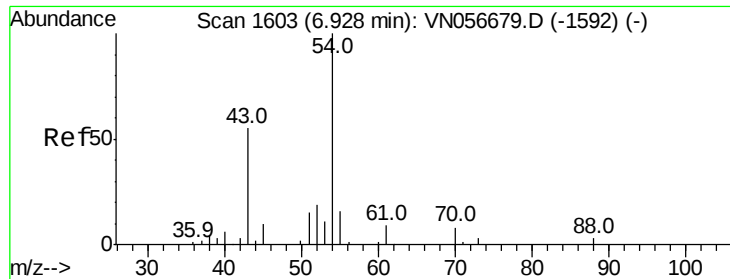
Abundance Ion 43.00 (42.70 to 43.70): VN056679.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN056679.D (-1260) (-)

Time-->



Time-->



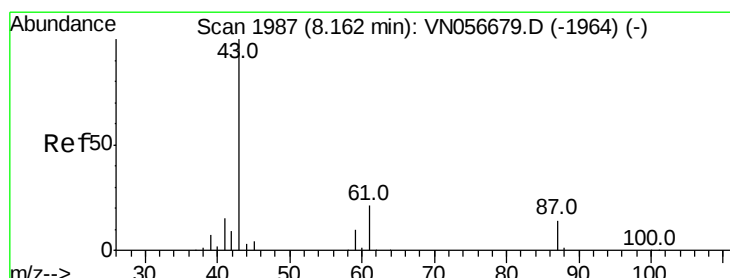
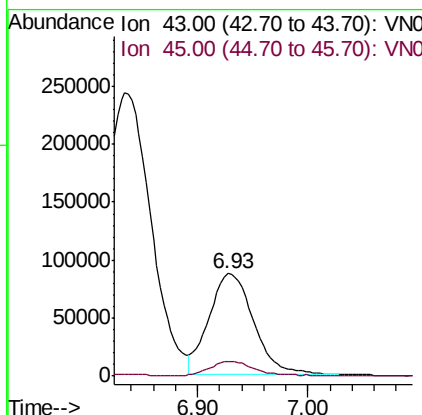
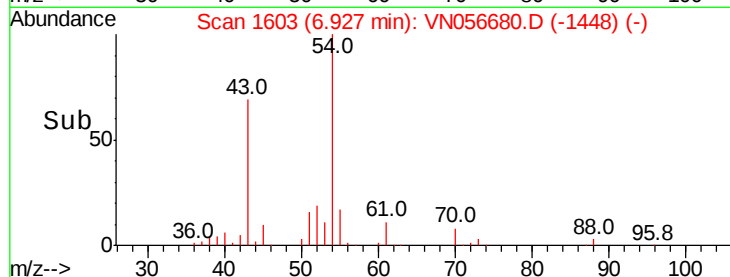
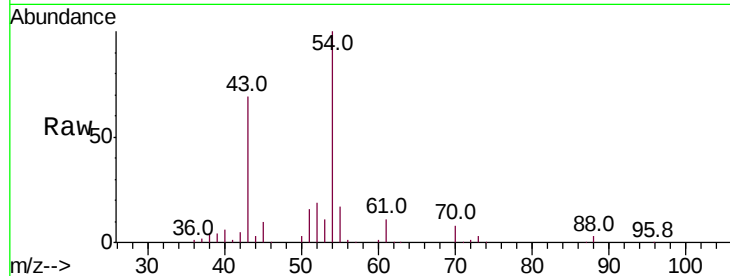
#43
Ethyl Acetate
Concen: 50.159 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 246173
Ion Ratio Lower Upper
43 100
45 13.6 11.2 16.8

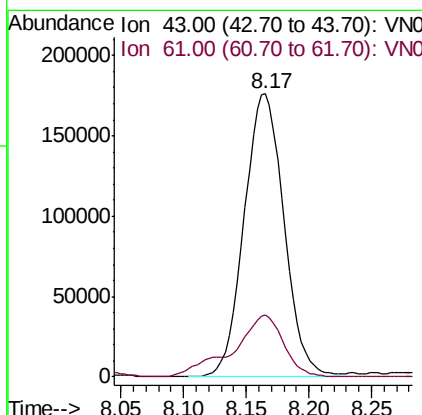
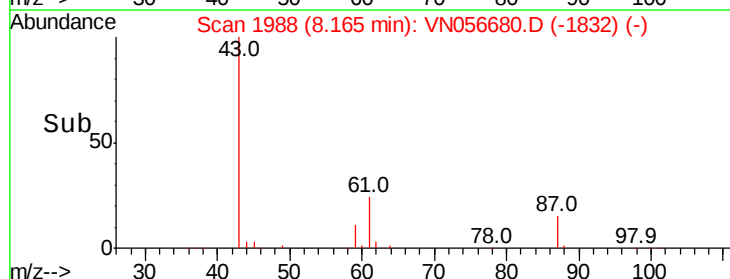
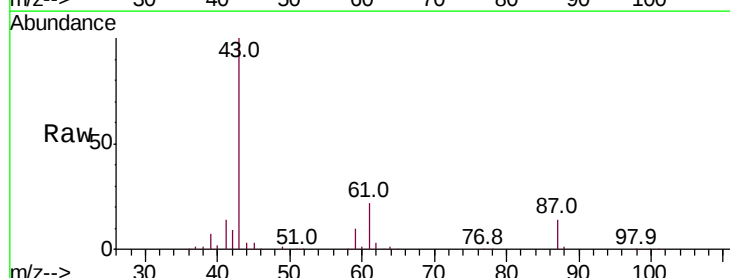
Manual Integrations
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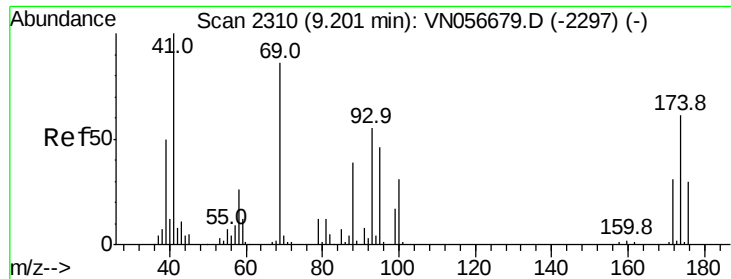
MMDadoda
7/16/2019 9:59:12 AM



#44
Isopropyl Acetate
Concen: 50.785 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion: 43 Resp: 387617
Ion Ratio Lower Upper
43 100
61 21.7 22.6 33.8#





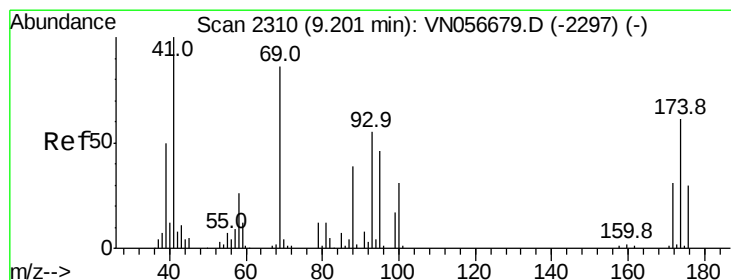
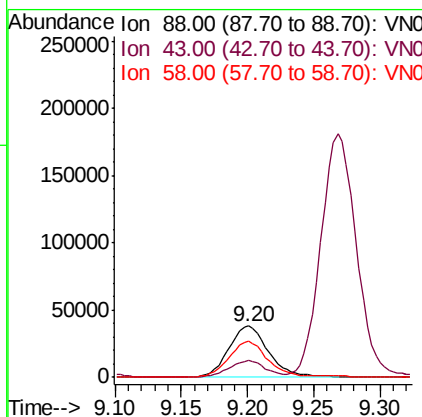
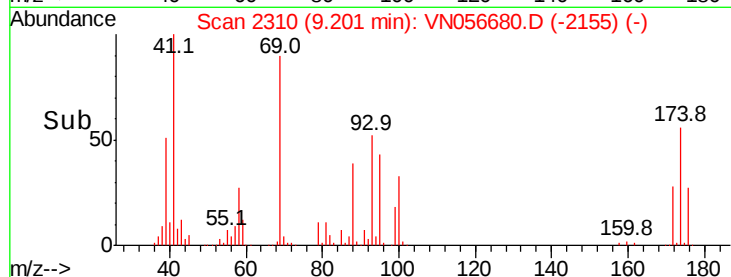
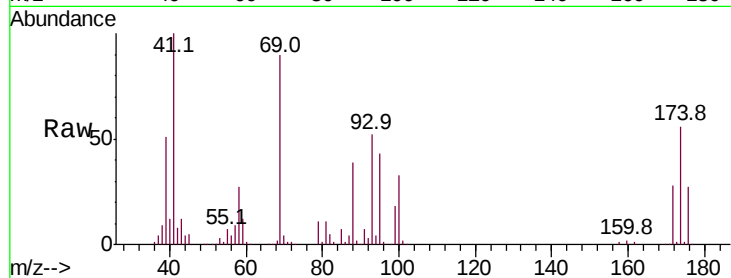
#45
1,4-Dioxane
Concen: 1059.995 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.0	34.6
58	68.0	54.6	81.8

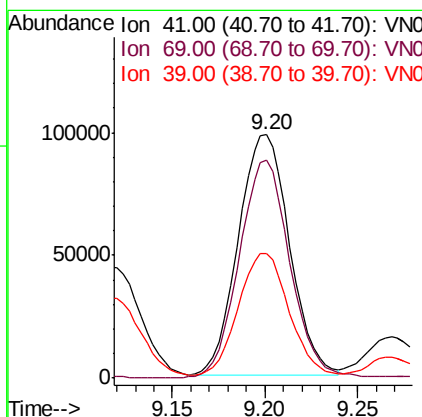
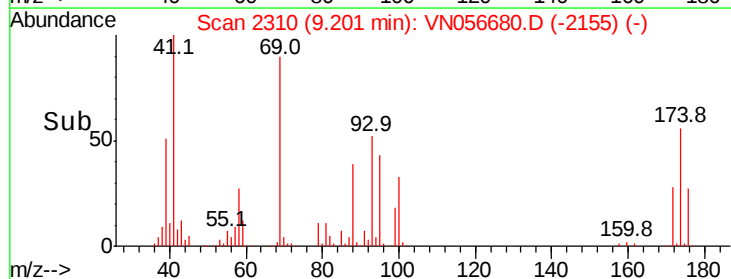
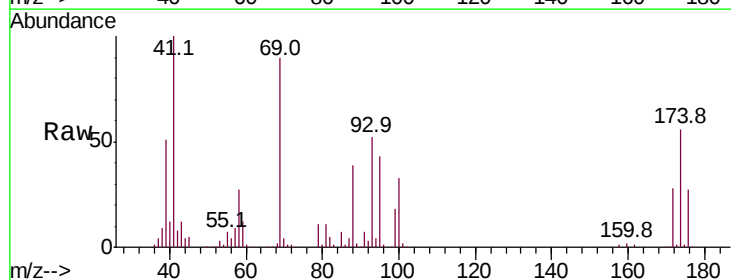
Manual Integrations
APPROVED

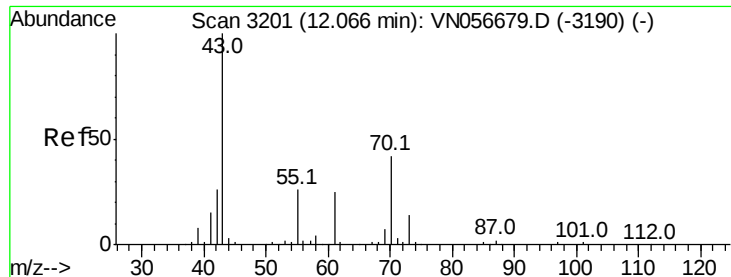
MMDadoda
7/16/2019 9:59:12 AM



#46
Methyl methacrylate
Concen: 50.273 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.6	43.0	129.0
39	50.7	25.1	75.4





#47

n-amvl Acetate

Concen: 50.905 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

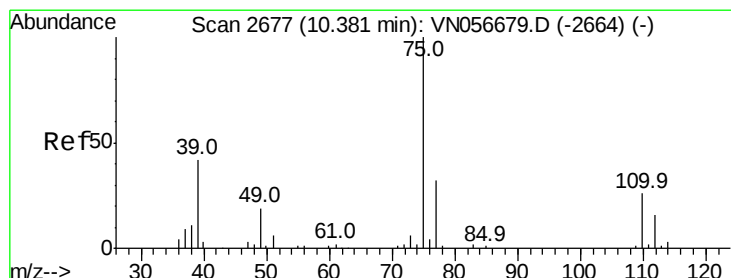
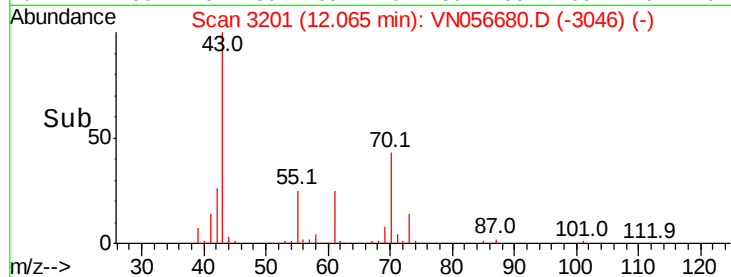
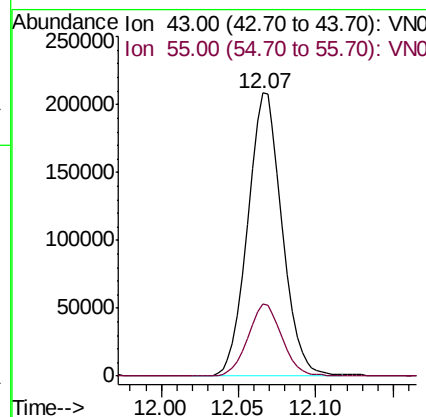
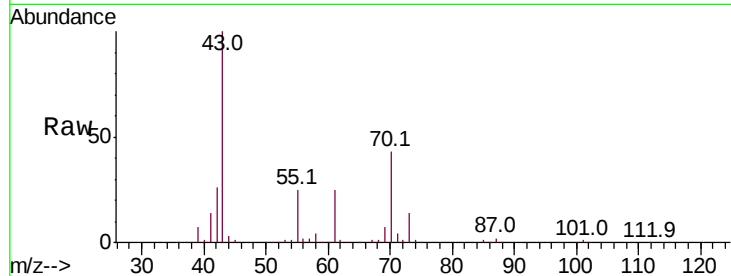
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 321906

Ion	Ratio	Lower	Upper
43	100		
55	25.3	20.7	31.1

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 52.606 ug/l

RT: 10.38 min Scan# 2677

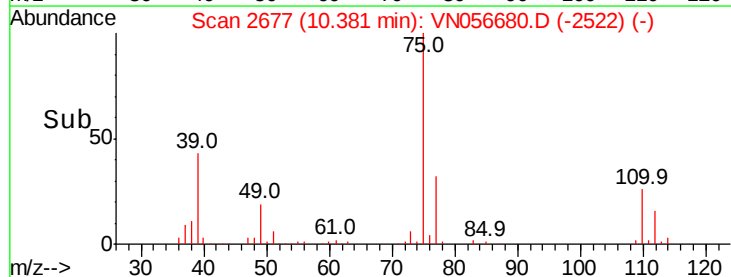
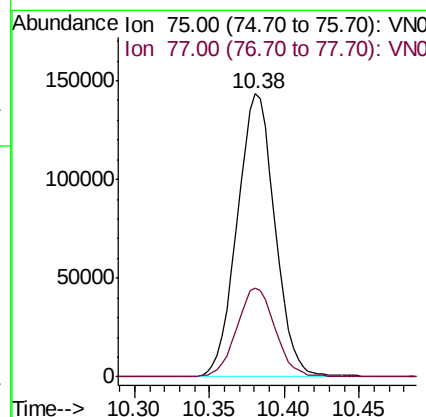
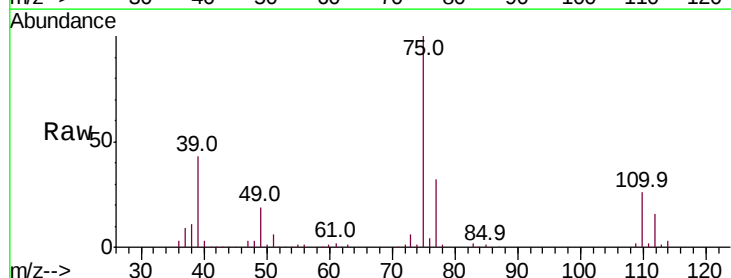
Delta R.T. -0.00 min

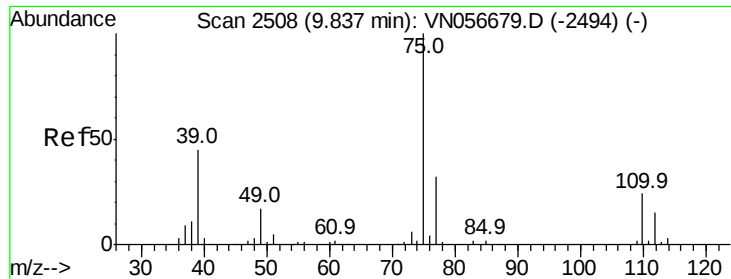
Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion: 75 Resp: 251690

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5





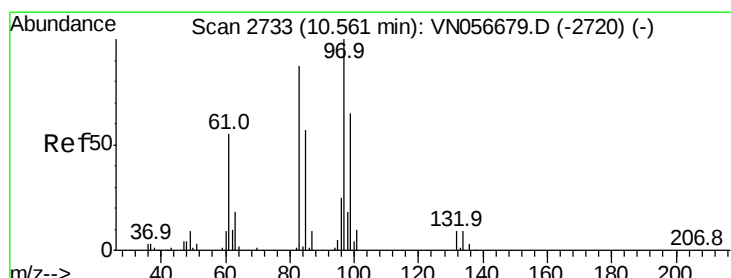
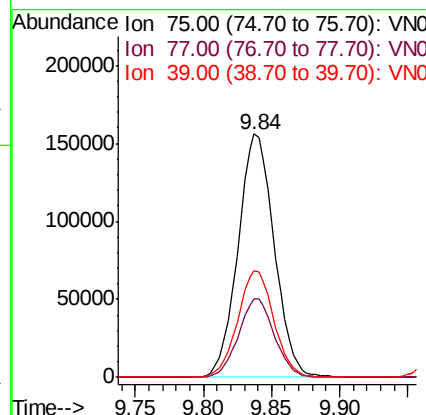
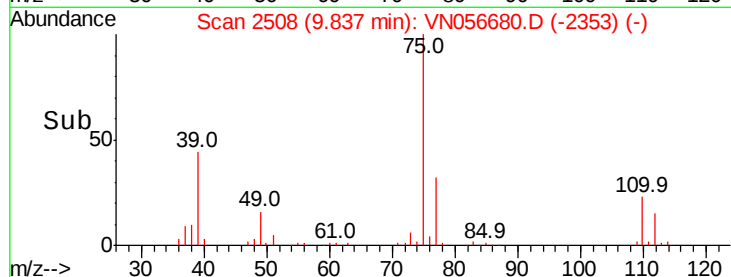
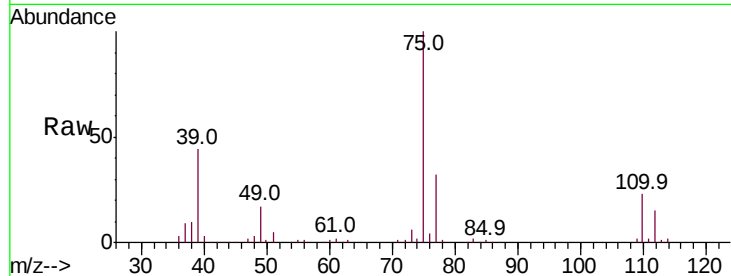
#49
 cis-1,3-Dichloropropene
 Concen: 52.356 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.1	26.0	39.0	
39	43.8	36.2	54.4	

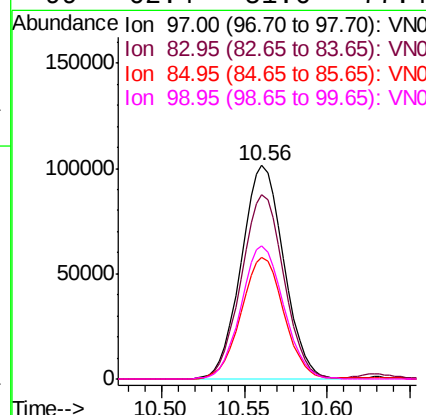
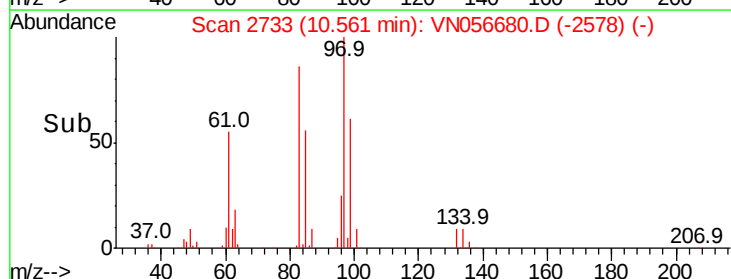
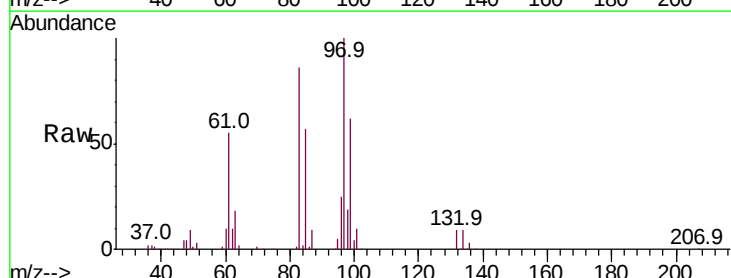
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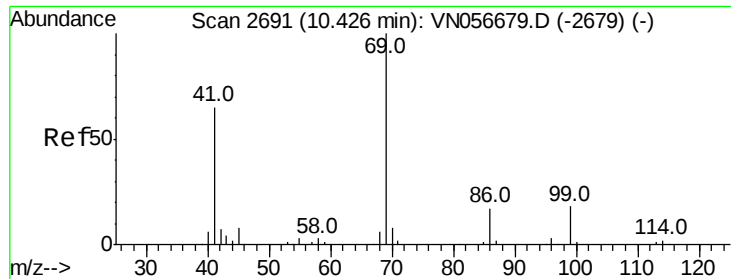
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#50
 1,1,2-Trichloroethane
 Concen: 51.605 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.1	69.2	103.8	
85	56.8	45.3	67.9	
99	62.4	51.6	77.4	





#51

Ethyl methacrylate

Concen: 51.535 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

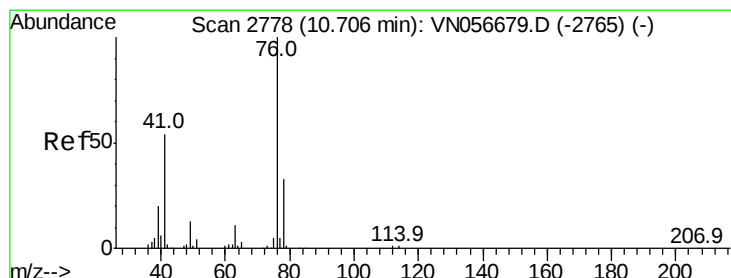
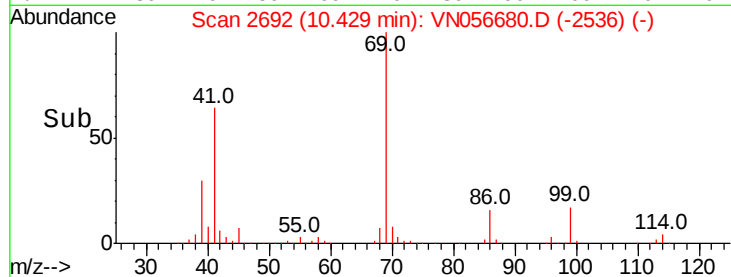
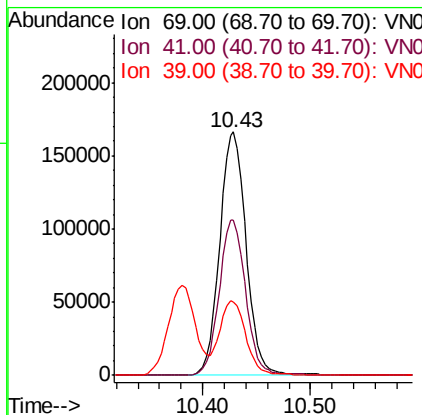
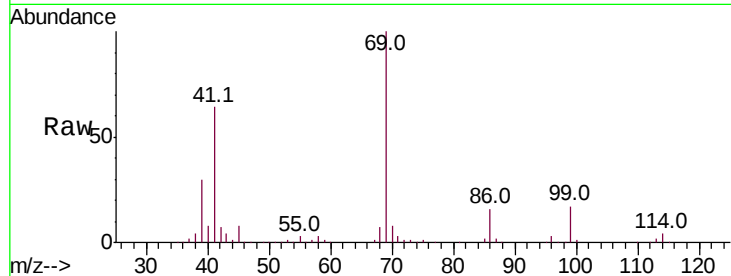
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	283431
Ion Ratio	Lower	Upper	
69	100		
41	63.5	32.8	98.3
39	30.2	15.4	46.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 50.357 ug/l

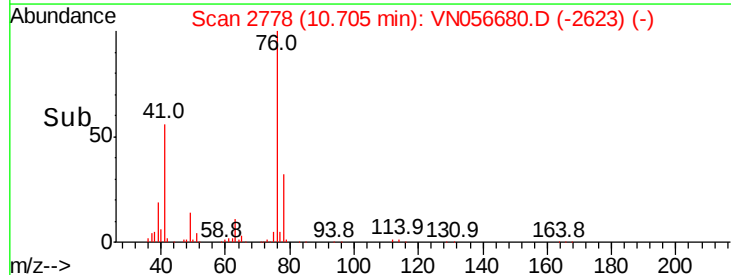
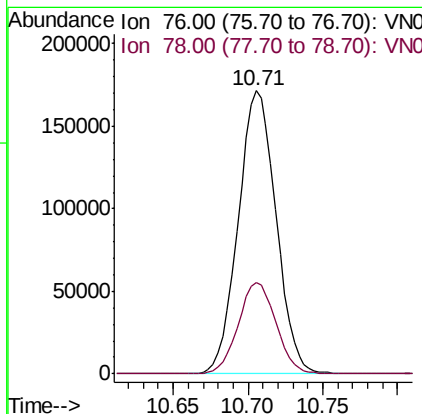
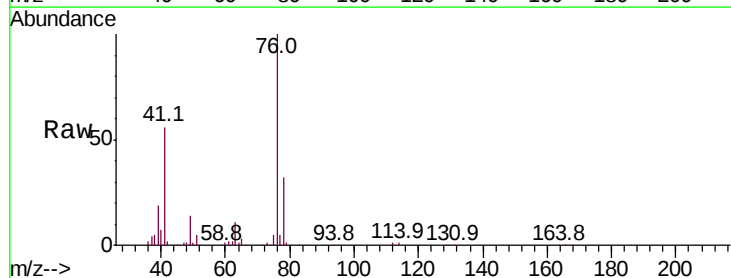
RT: 10.71 min Scan# 2778

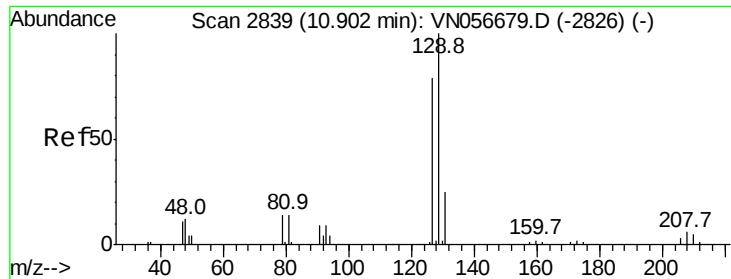
Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	76	Resp:	302101
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	63.6





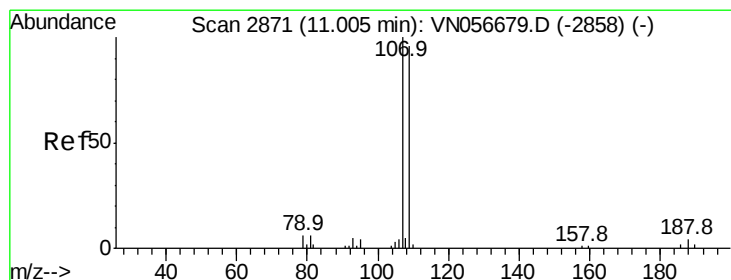
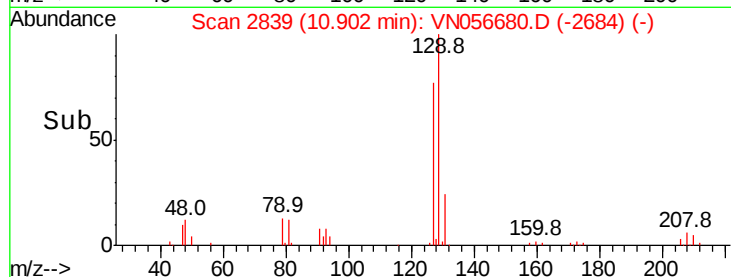
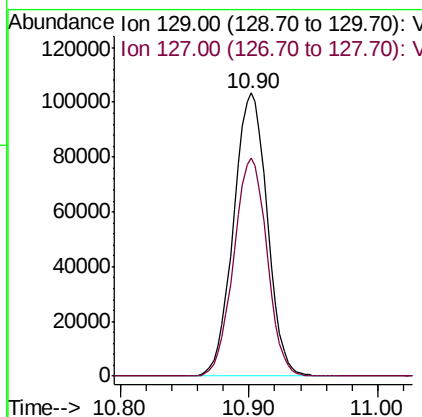
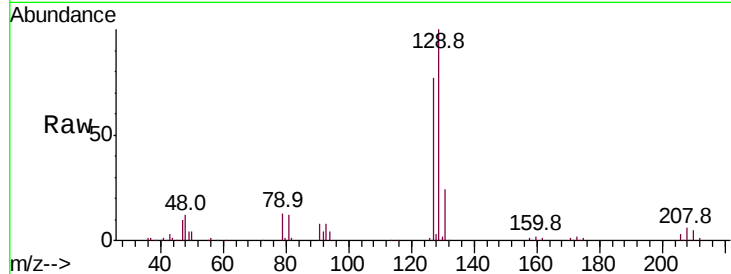
#53
 Dibromochloromethane
 Concen: 54.027 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:129 Resp: 187506
 Ion Ratio Lower Upper
 129 100
 127 76.1 38.7 116.1

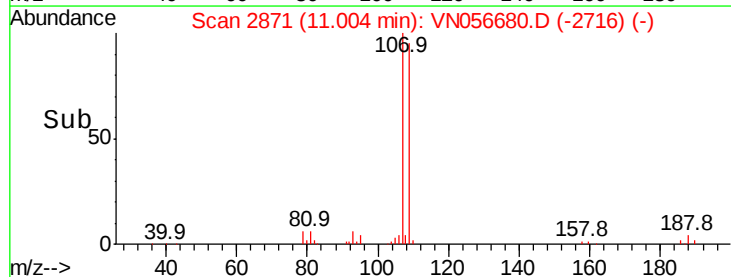
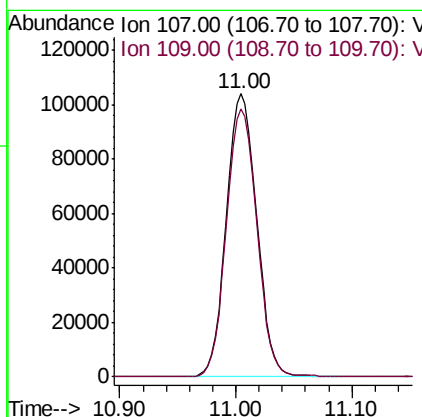
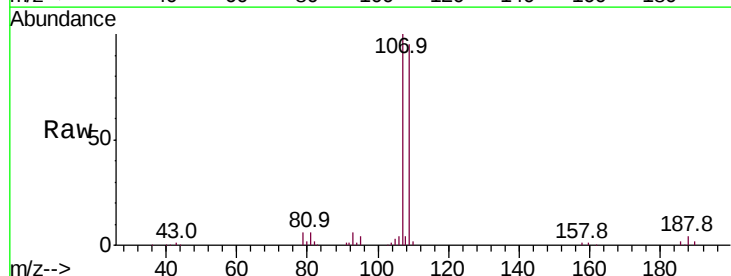
Manual Integrations
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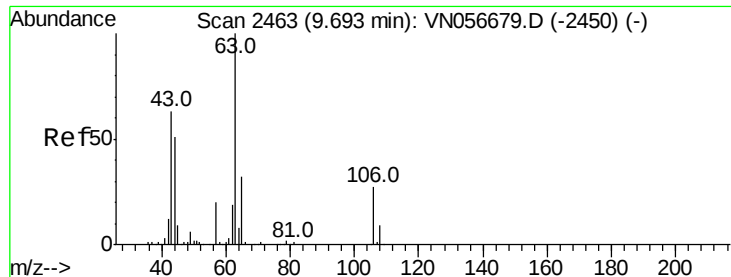
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#54
 1,2-Dibromoethane
 Concen: 51.286 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion:107 Resp: 188184
 Ion Ratio Lower Upper
 107 100
 109 94.9 77.9 116.9





#55

2-Chloroethyl vinyl ether

Concen: 246.909 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

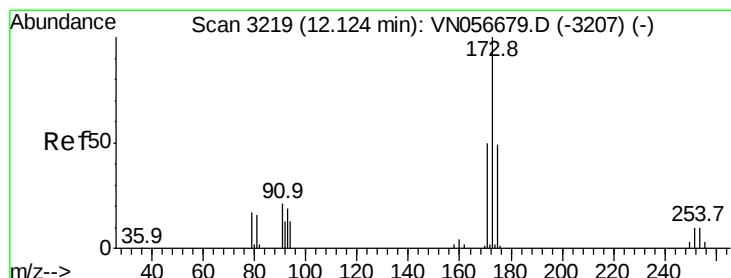
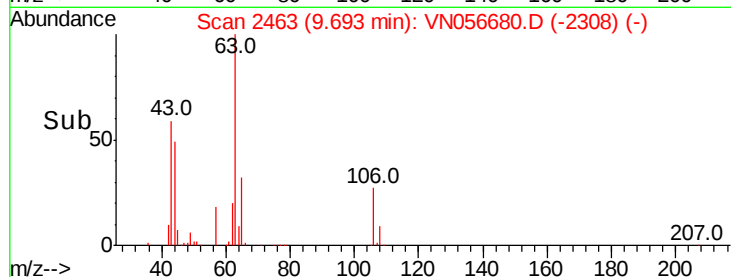
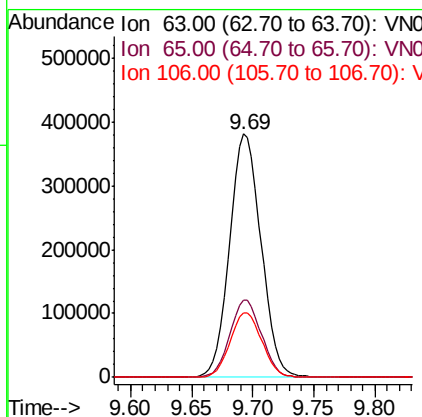
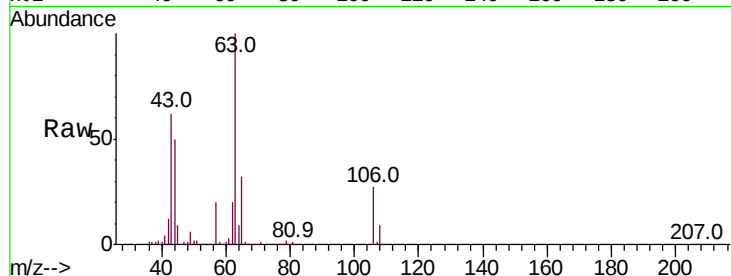
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	685841
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.2	37.8
106	26.9	21.6	32.4

Manual Integrations
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#56

Bromoform

Concen: 53.627 ug/l

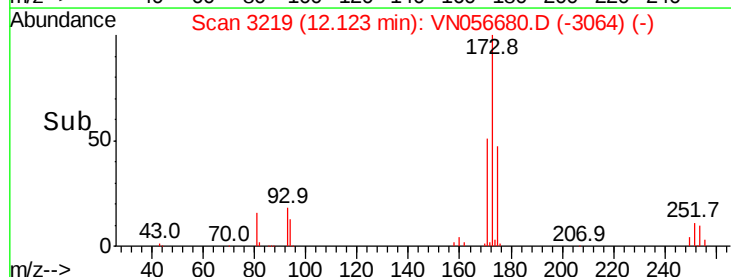
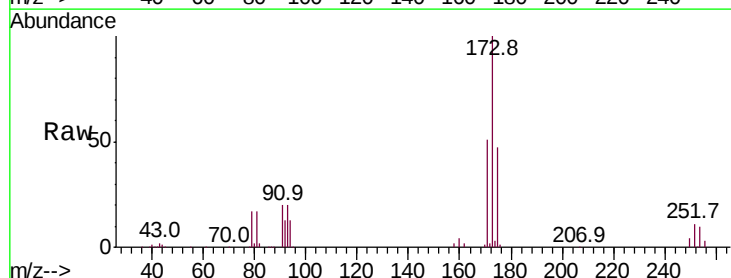
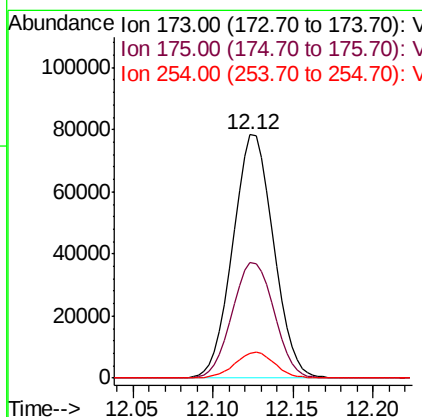
RT: 12.12 min Scan# 3219

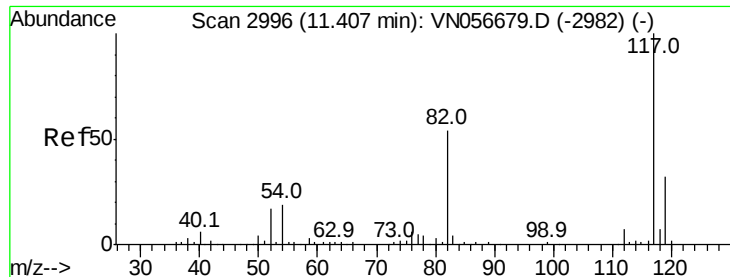
Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	173	Resp:	136273
Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.7	59.5
254	10.3	7.8	11.8





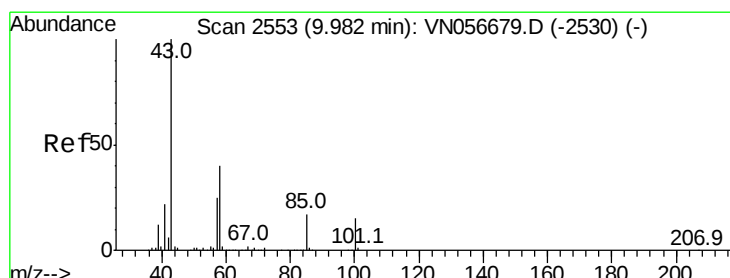
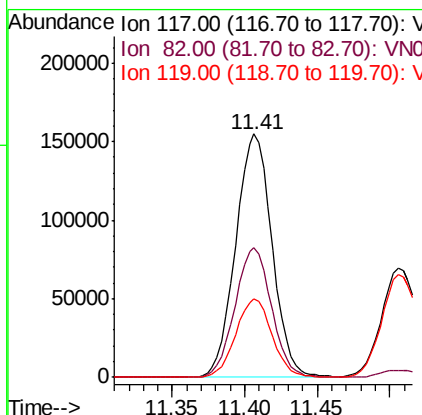
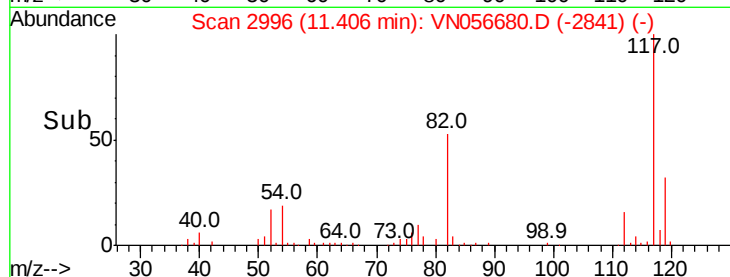
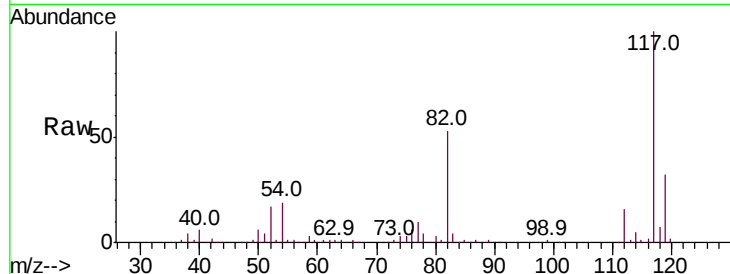
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.0	64.4
119	32.2	26.0	39.0

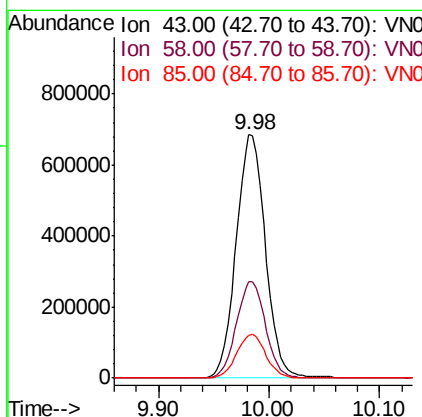
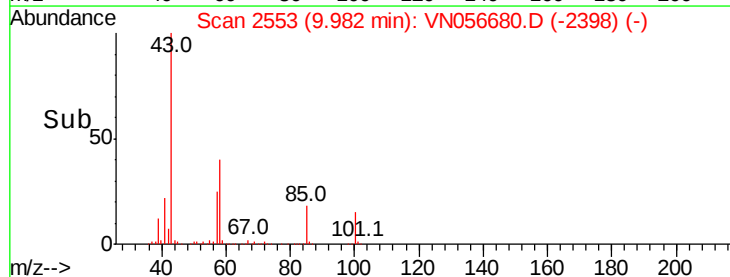
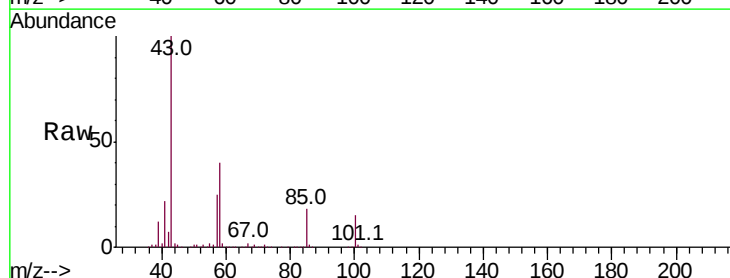
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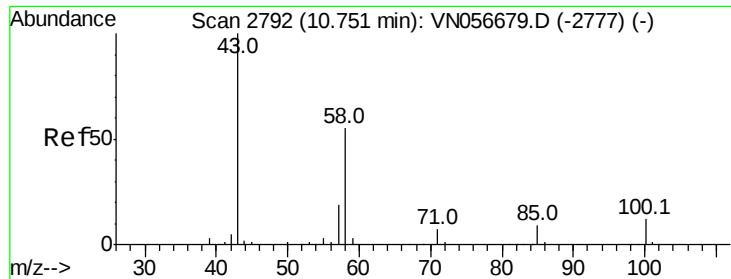
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 254.407 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9
85	17.9	14.2	21.4





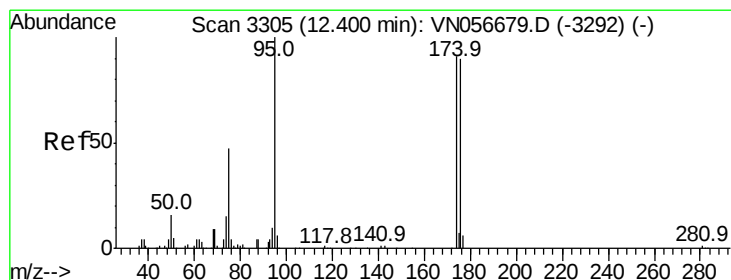
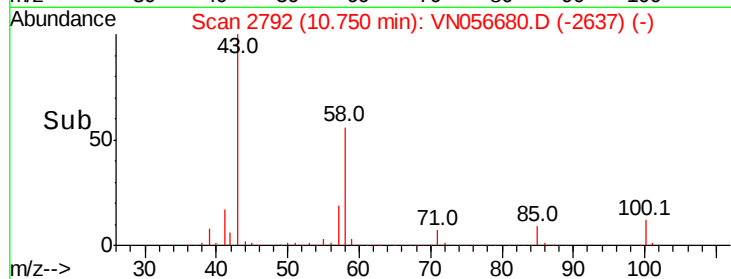
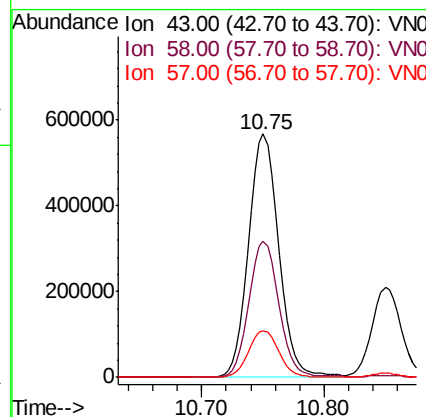
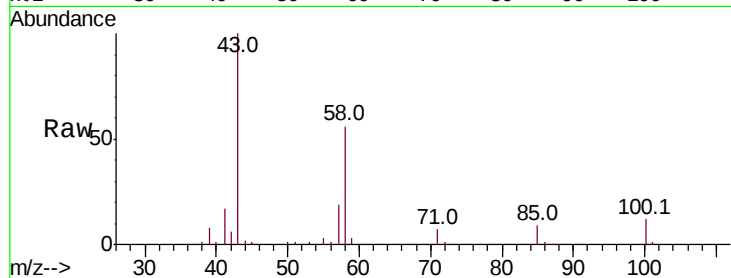
#59
2-Hexanone
Concen: 260.131 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.4	66.6
57	19.2	15.2	22.8

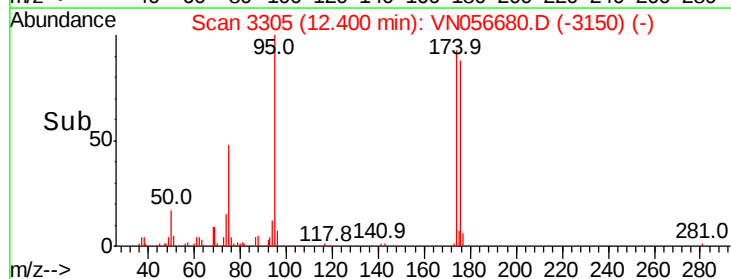
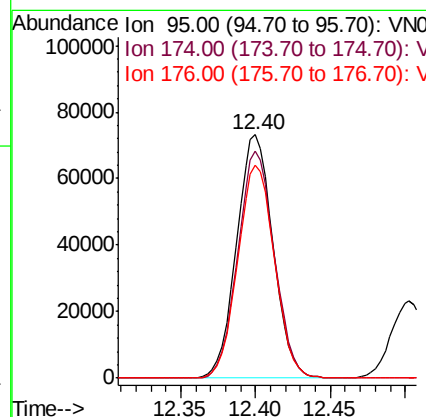
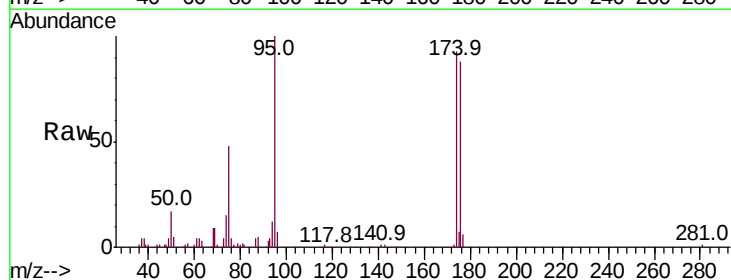
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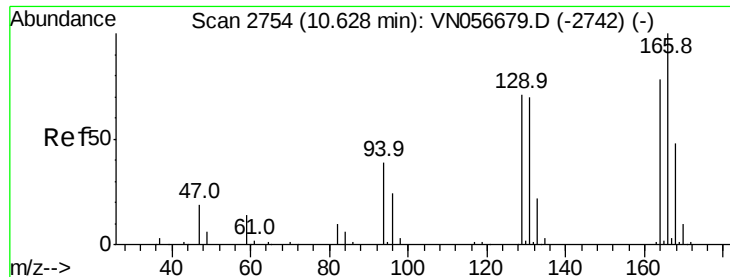
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#60
4-Bromofluorobenzene
Concen: 29.721 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	72.6	108.8
176	88.3	71.0	106.6





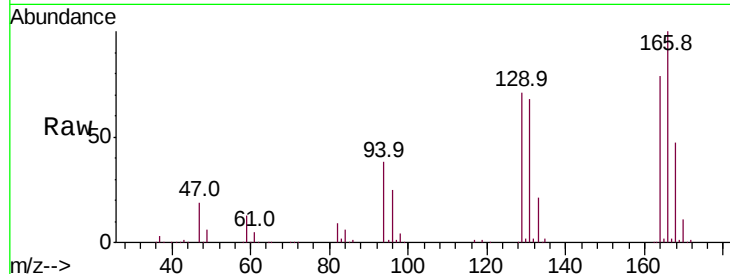
#61
Tetrachloroethene
Concen: 53.879 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.0	102.3	153.5	
129	90.0	72.6	108.8	
131	86.1	71.4	107.2	

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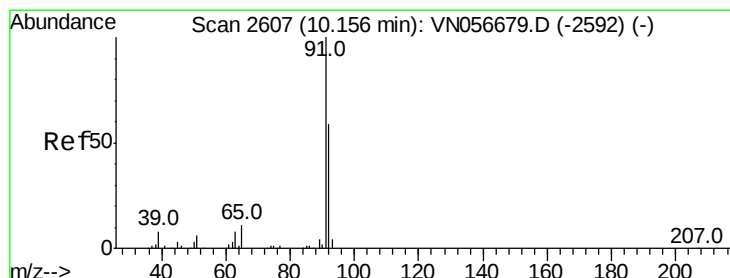
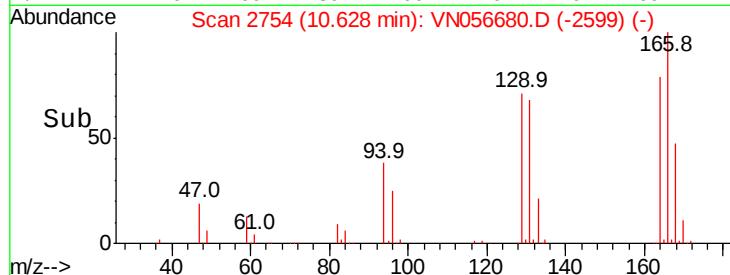
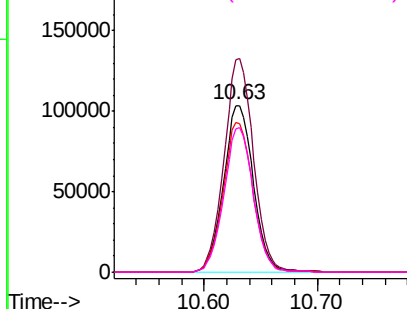
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

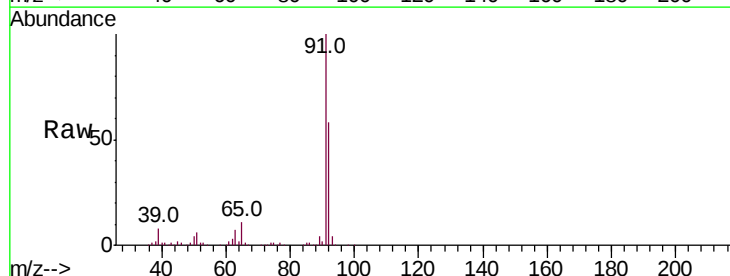
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 50.853 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

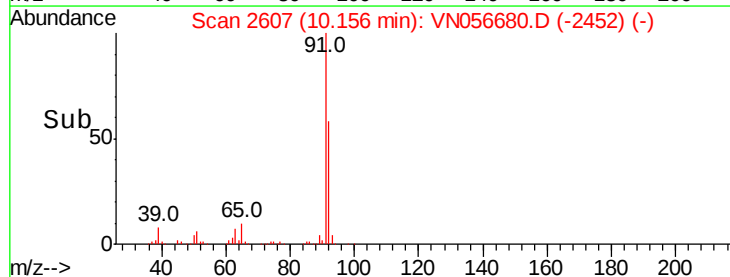
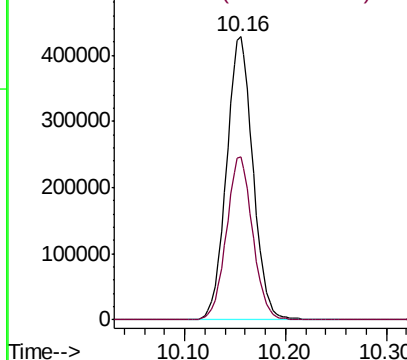
Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.2	46.7	70.1	

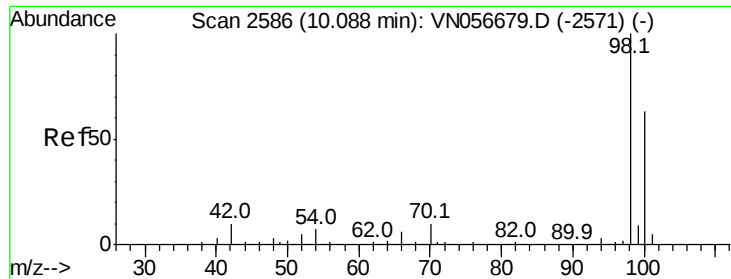


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 29.510 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 369961

Ion Ratio Lower Upper

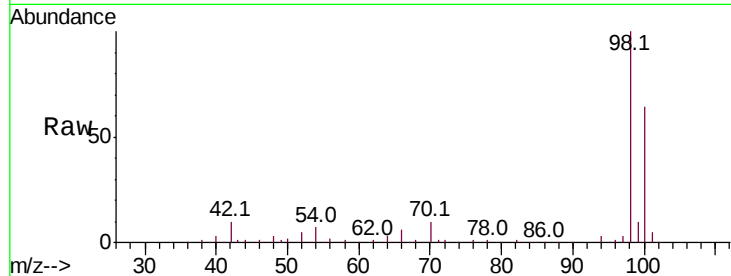
98 100

100 64.6 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056680.D (-2431) (-)

10.09

200000

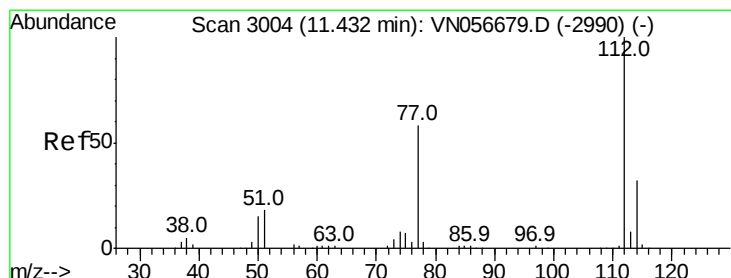
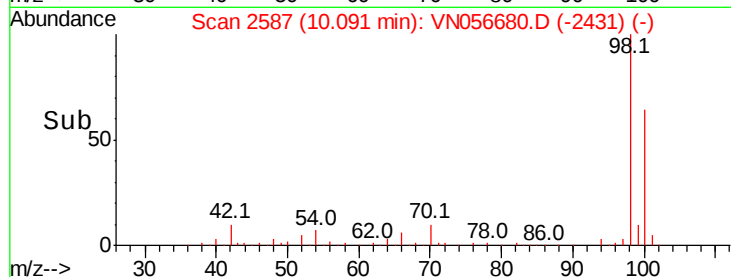
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 51.067 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056680.D

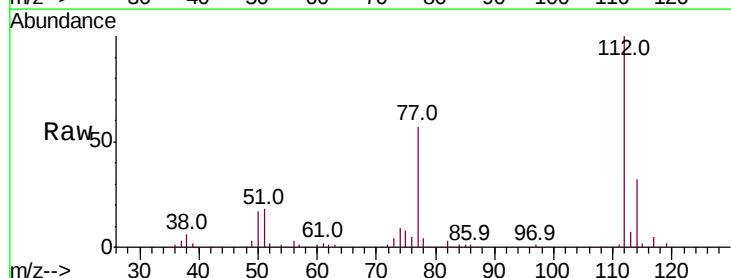
Acq: 12 Jul 2019 10:59

Tgt Ion: 112 Resp: 473813

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056680.D (-2849) (-)

11.43

300000

250000

200000

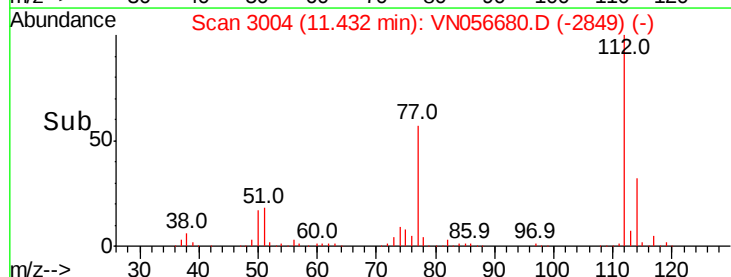
150000

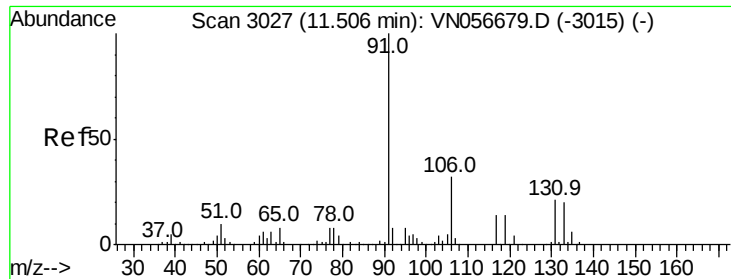
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 52.238 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

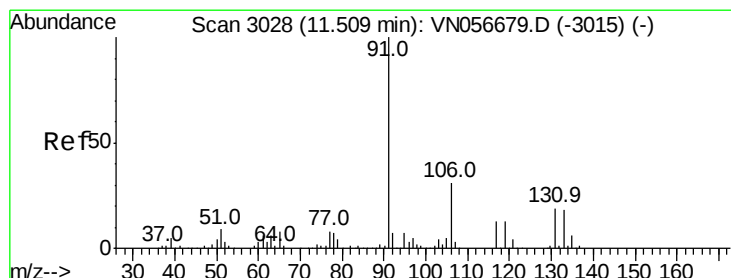
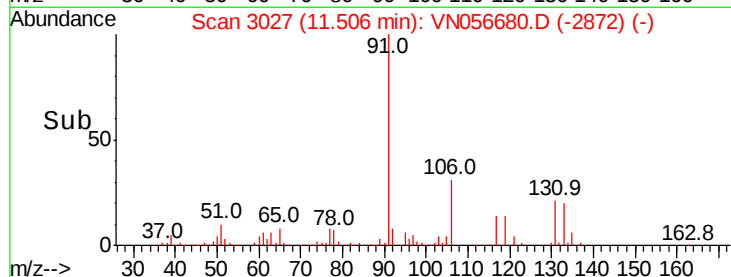
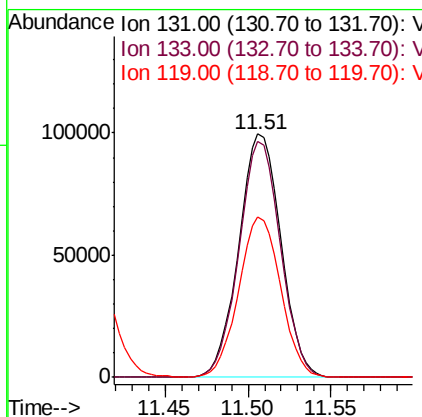
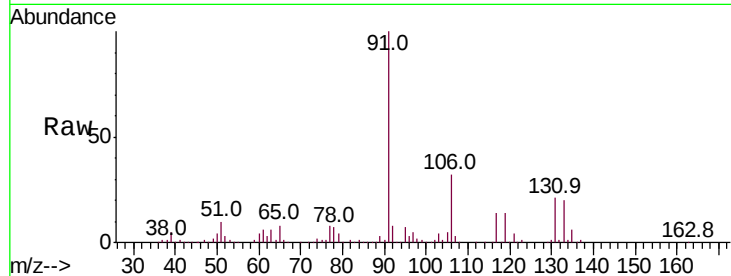
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	175863
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	191.4
119	65.7	0.0	133.4

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#66

Ethyl Benzene

Concen: 50.636 ug/l

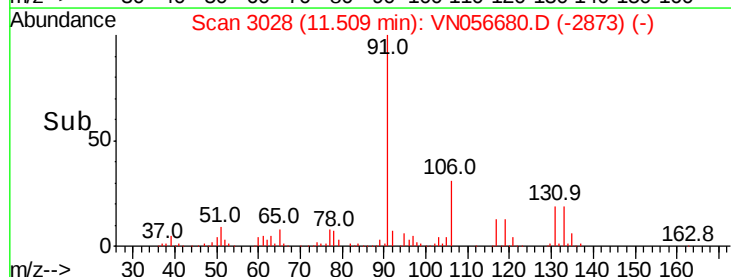
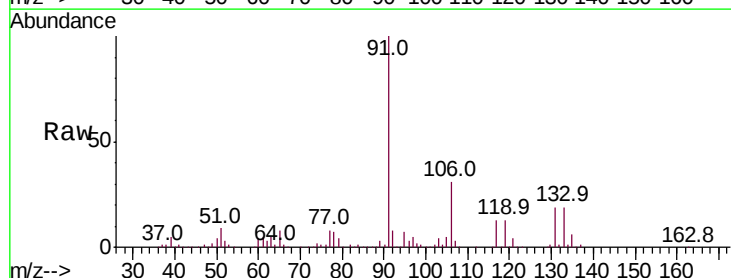
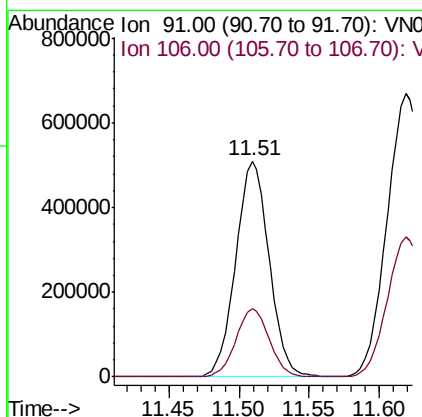
RT: 11.51 min Scan# 3028

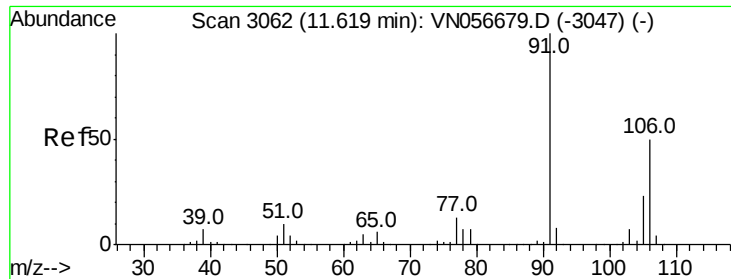
Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Tgt Ion:	91	Resp:	845359
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.1	37.7





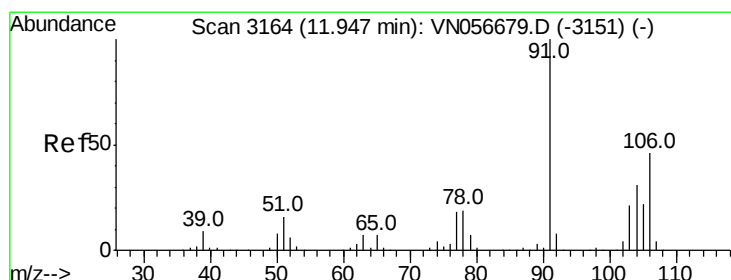
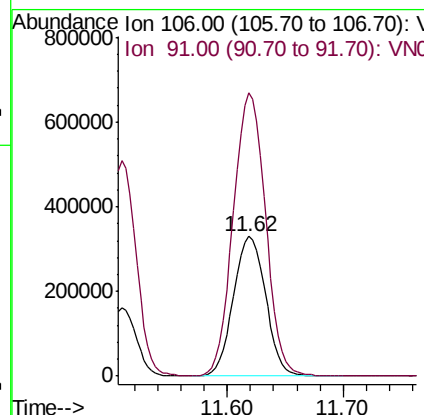
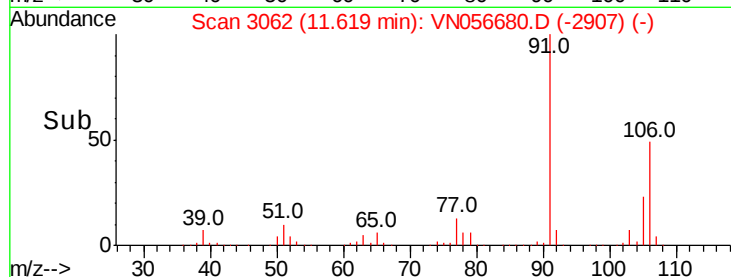
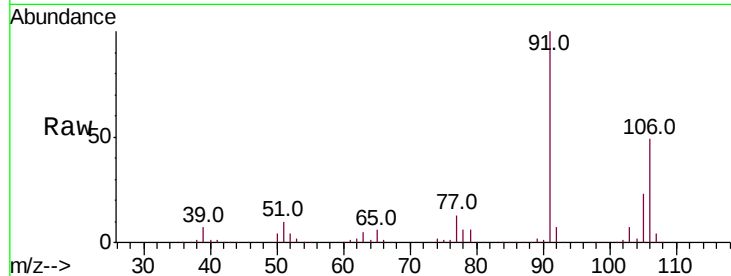
#67
m/p-Xylenes
Concen: 103.224 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 639800
Ion Ratio Lower Upper
106 100
91 202.2 161.8 242.8

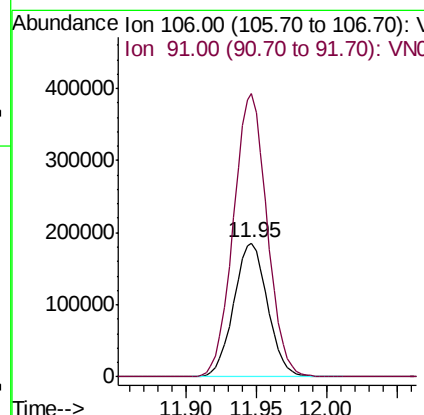
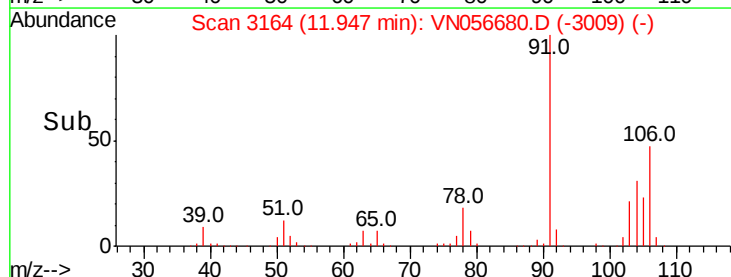
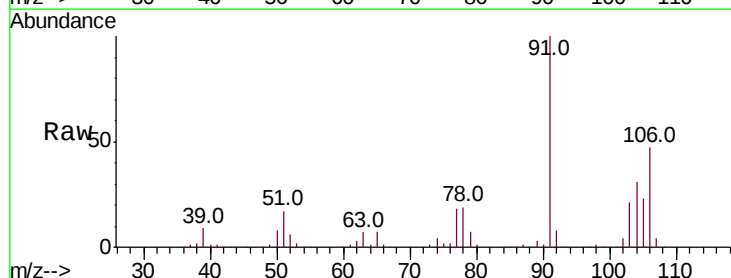
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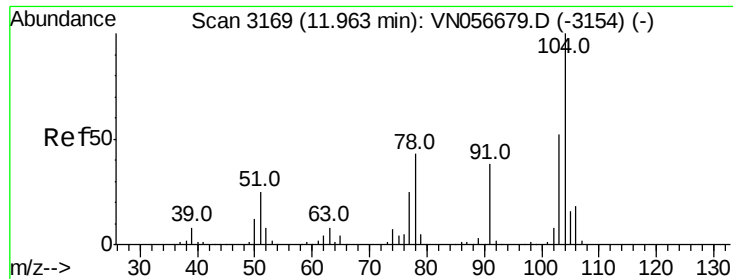
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#68
o-Xylene
Concen: 51.177 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion:106 Resp: 311230
Ion Ratio Lower Upper
106 100
91 210.6 108.1 324.2





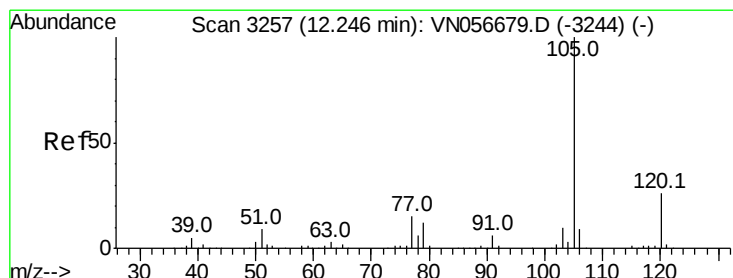
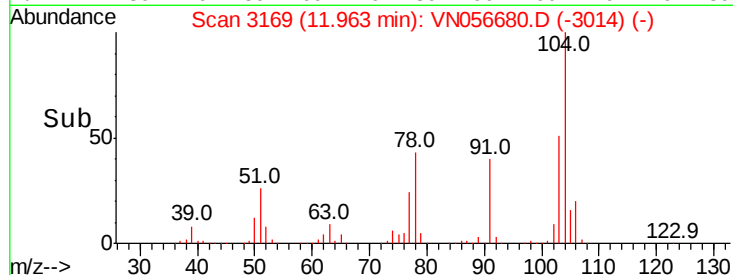
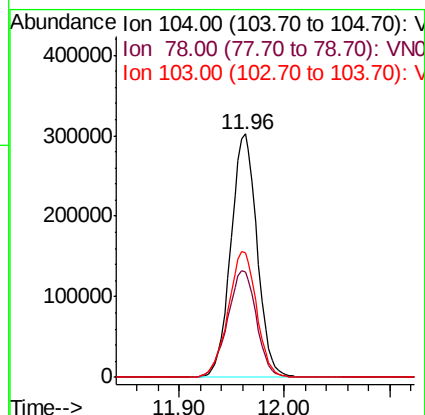
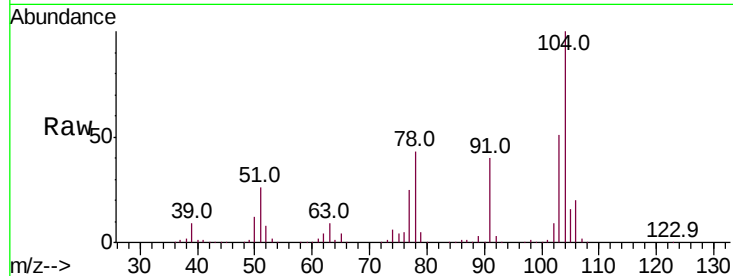
#69
Stvrene
Concen: 51.306 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.7	58.1
103	56.1	45.0	67.4

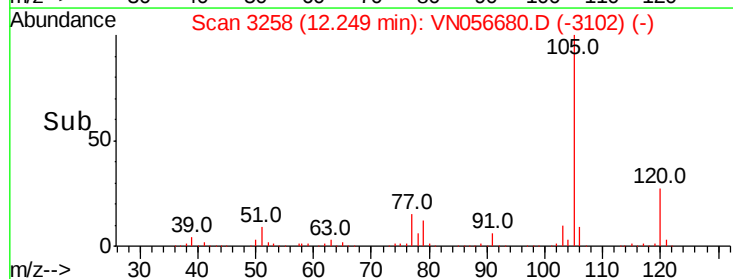
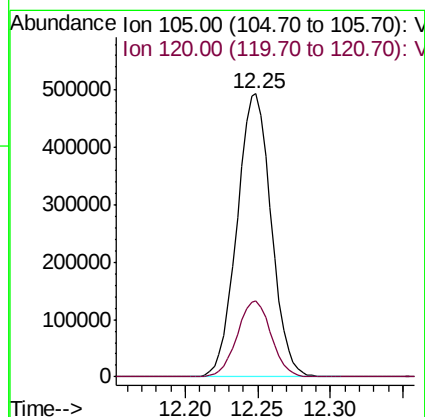
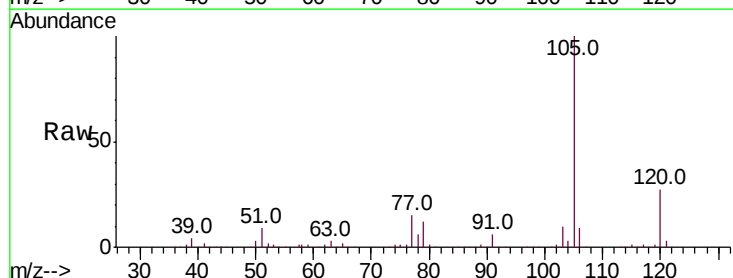
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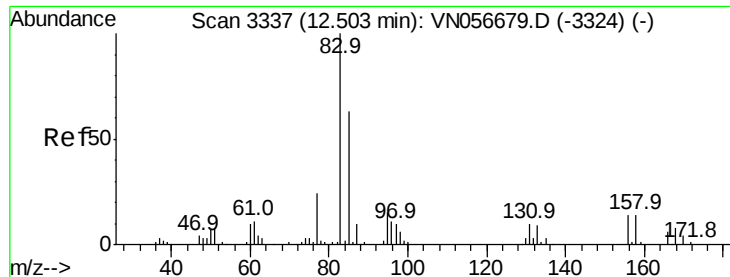
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#70
Isopropylbenzene
Concen: 50.830 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 49.913 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

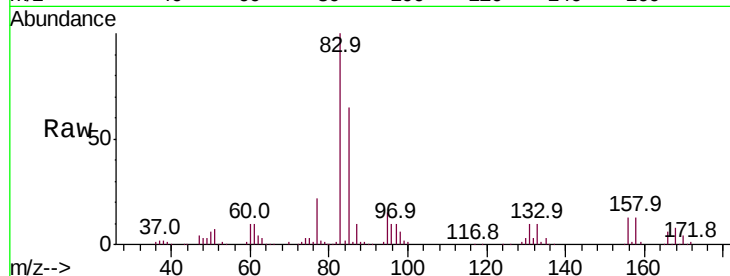
ClientSampleId :

VSTDIC050

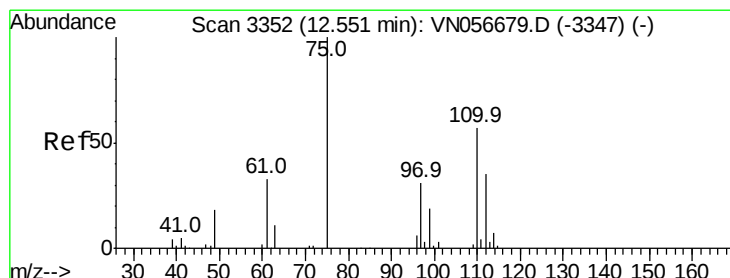
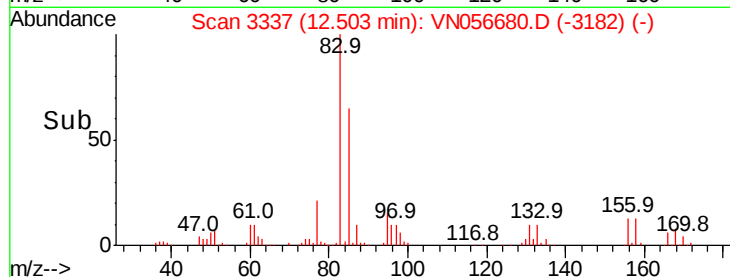
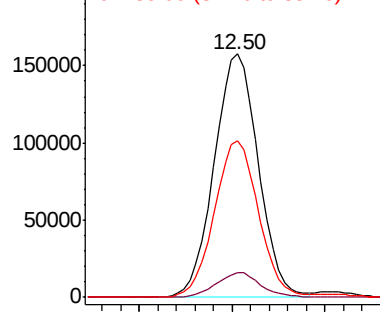
Tot Ion:	83	Resp:	261409
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.4	31.9	95.7

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Abundance Ion 83.00 (82.70 to 83.70): VN056680.D (-3182) (-)



#72

1,2,3-Trichloropropane

Concen: 48.647 ug/l m

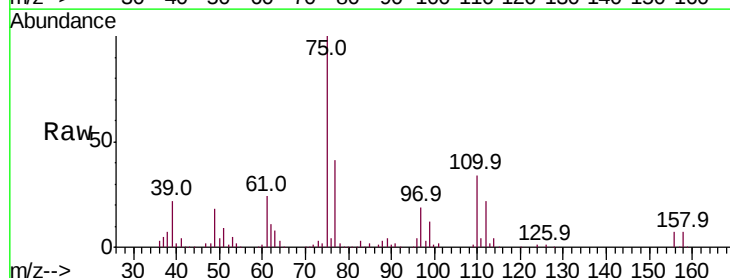
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

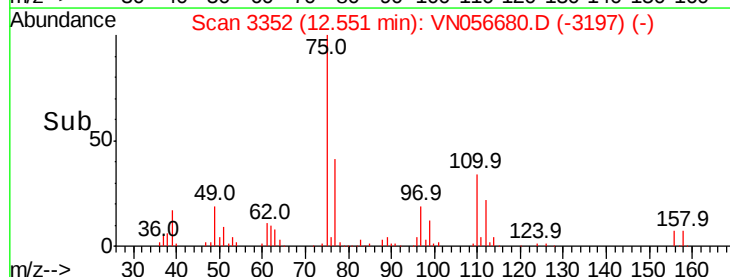
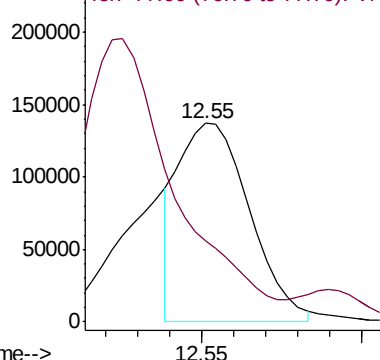
Lab File: VN056680.D

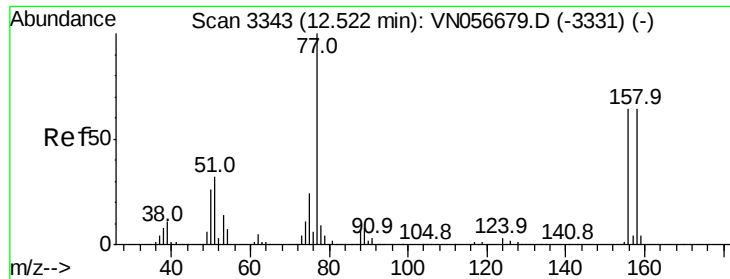
Acq: 12 Jul 2019 10:59

Tgt Ion:	75	Resp:	213744
Ion Ratio	Lower	Upper	
75	100		
77	193.9	0.0	352.2



Abundance Ion 75.00 (74.70 to 75.70): VN056680.D (-3197) (-)





#73

Bromobenzene

Concen: 52.175 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

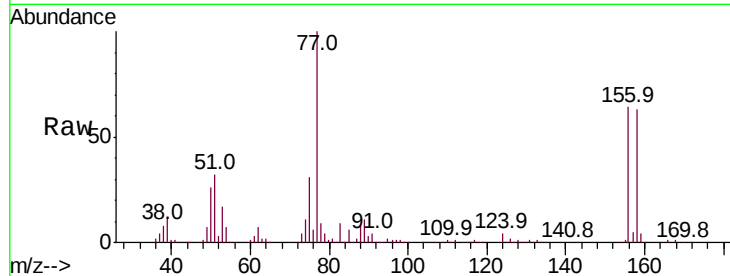
ClientSampleId :

VSTDIC050

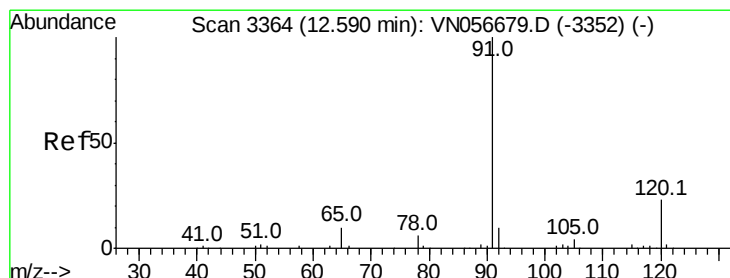
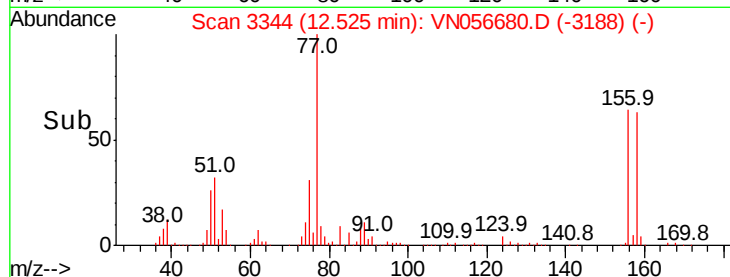
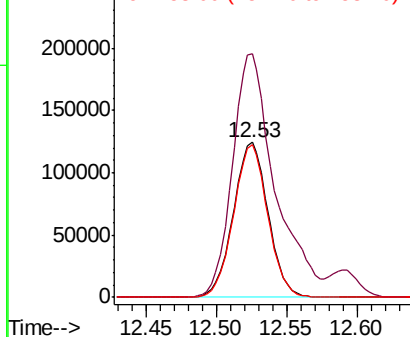
Tot Ion:	156	Resp:	214577
Ion Ratio	Lower	Upper	
156	100		
77	193.2	0.0	381.8
158	96.8	0.0	195.8

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.783 ug/l

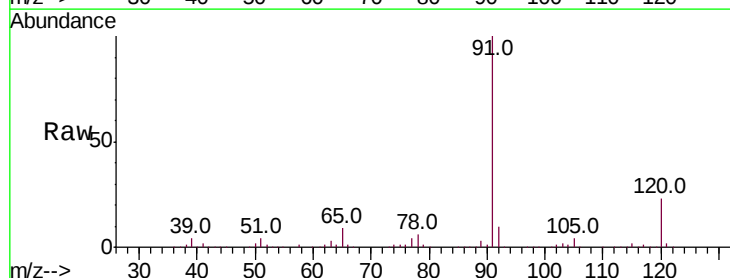
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

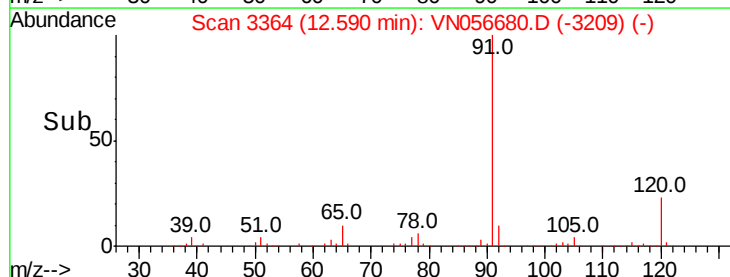
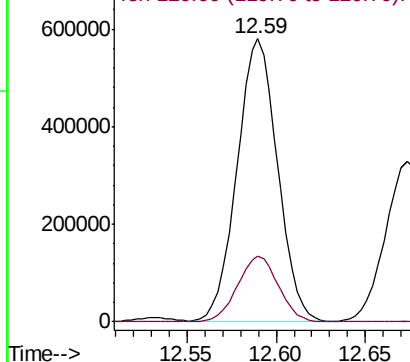
Lab File: VN056680.D

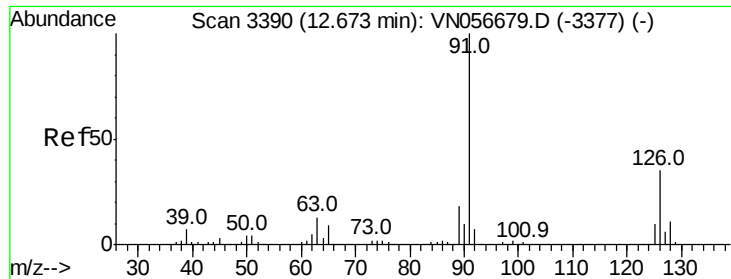
Acq: 12 Jul 2019 10:59

Tgt Ion:	91	Resp:	922247
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	45.6



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.862 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 550729

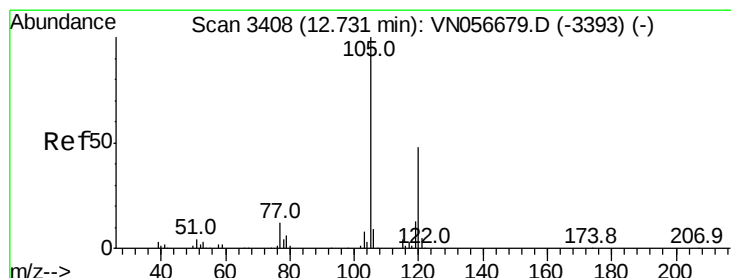
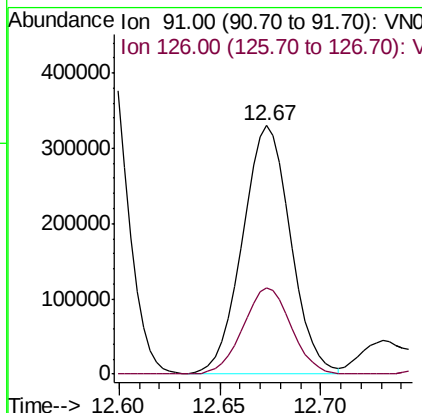
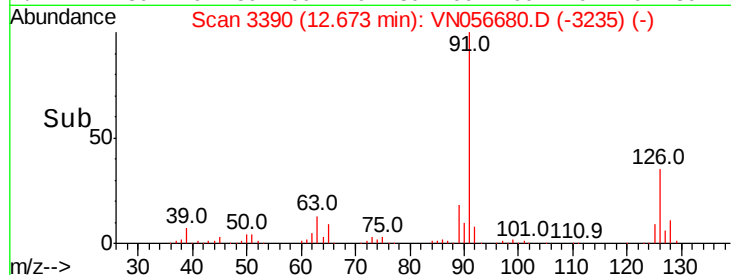
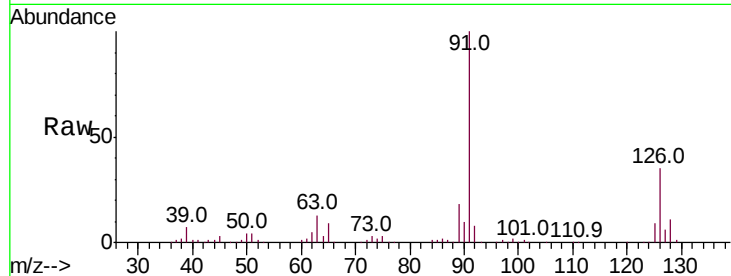
Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.8

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#76

1,3,5-Trimethylbenzene

Concen: 51.326 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056680.D

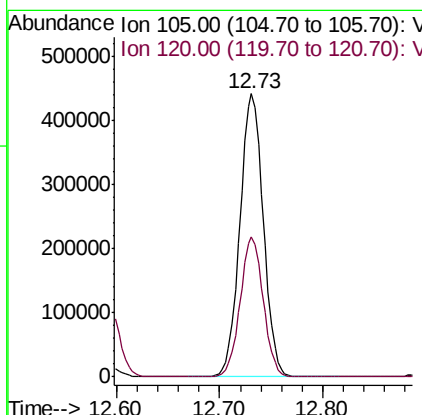
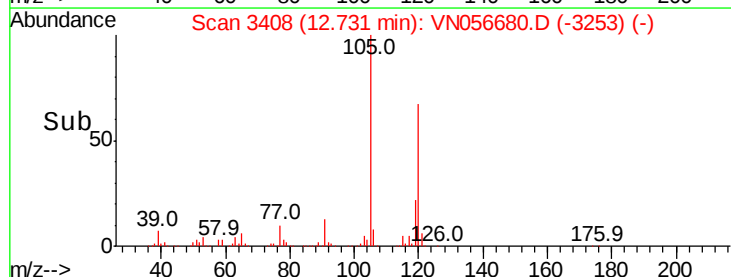
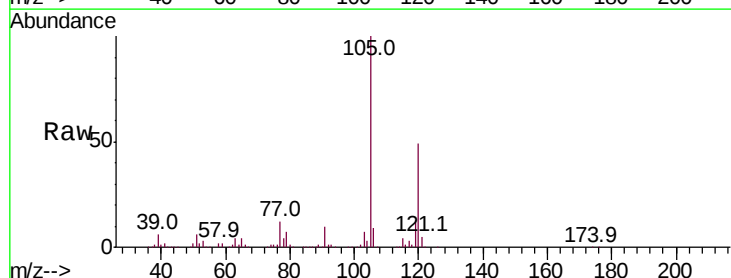
Acq: 12 Jul 2019 10:59

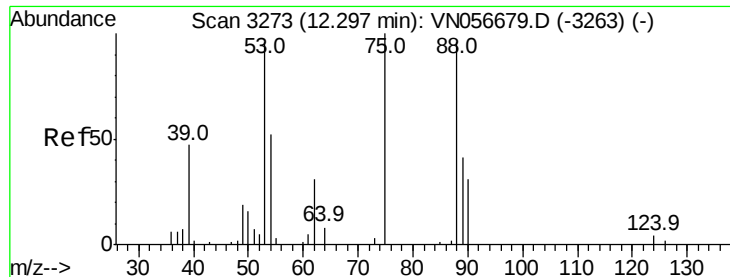
Tgt Ion: 105 Resp: 696509

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 53.925 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056680.D

Acq: 12 Jul 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 77056

Ion Ratio Lower Upper

75 100

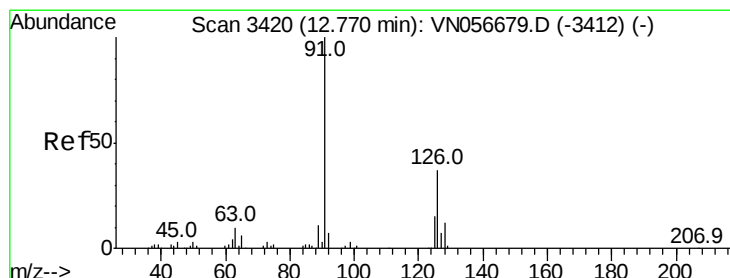
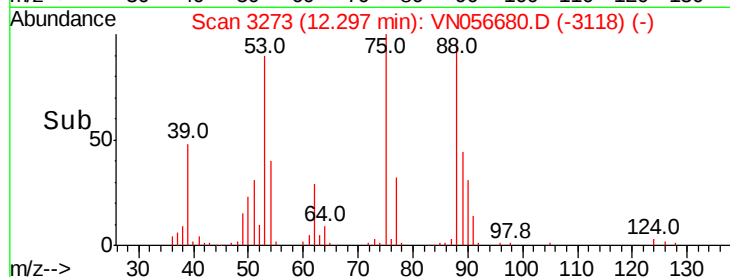
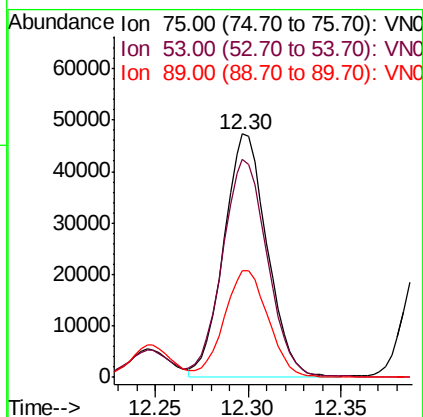
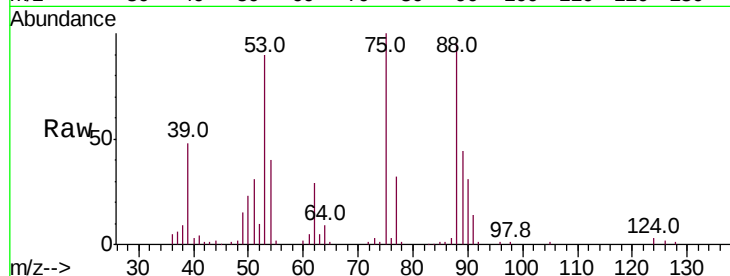
53 89.3 48.6 145.8

89 43.7 21.3 64.0

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#78

4-Chlorotoluene

Concen: 50.874 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056680.D

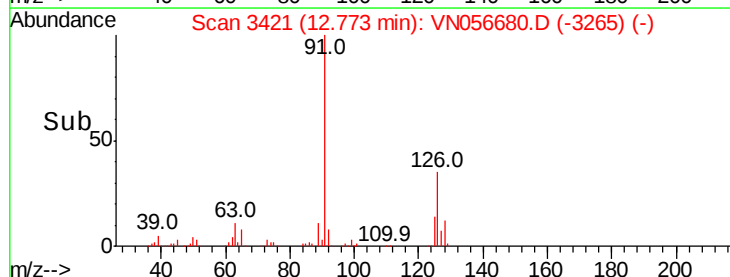
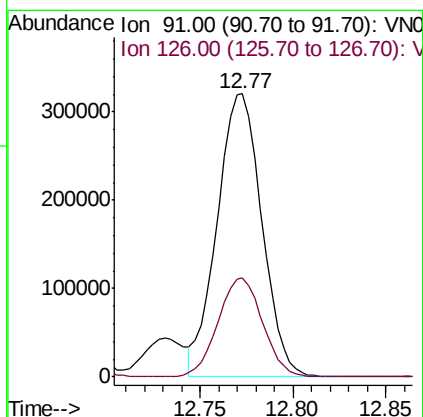
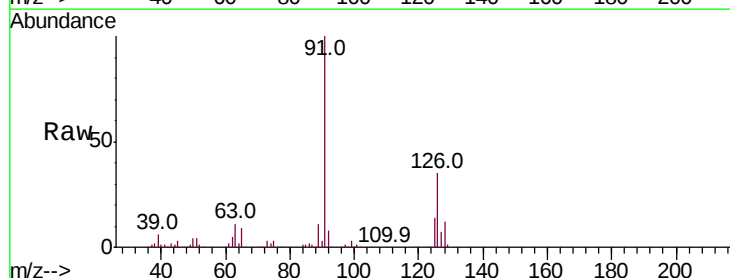
Acq: 12 Jul 2019 10:59

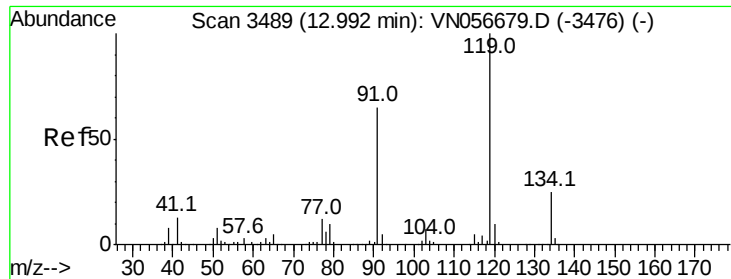
Tgt Ion: 91 Resp: 534603

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.4





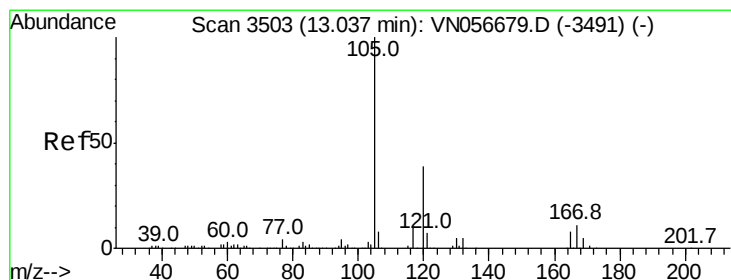
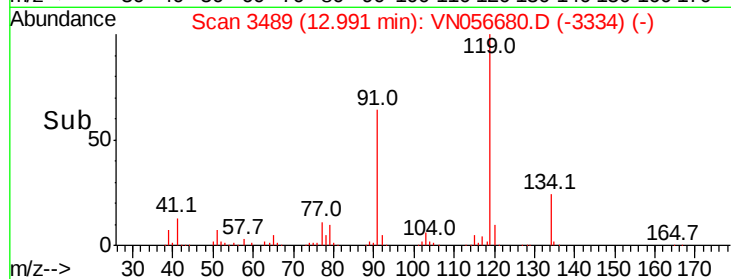
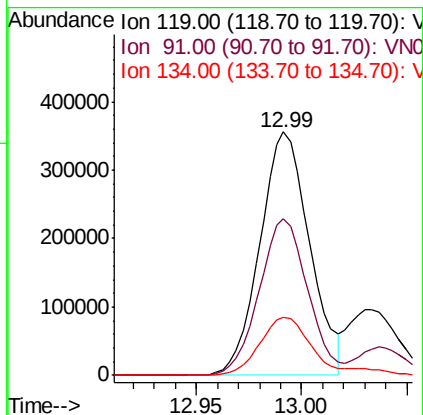
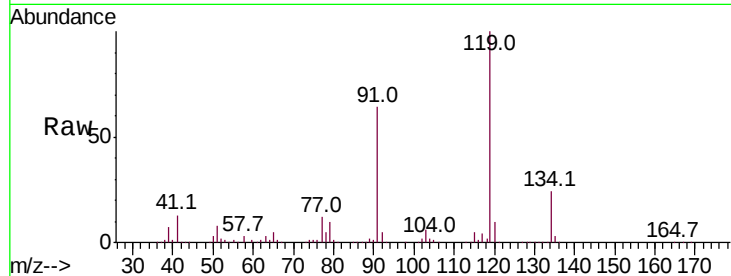
#79
tert-butylbenzene
Concen: 50.581 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	584460		
91	63.0	0.0	125.4	
134	24.1	0.0	48.4	

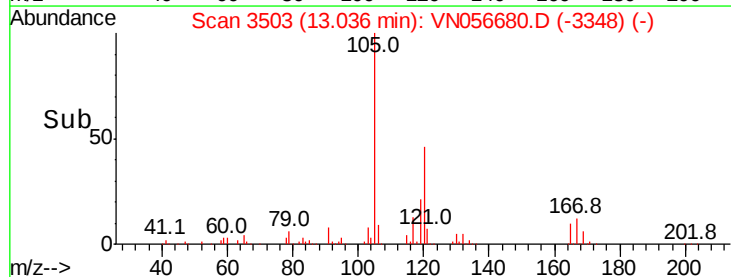
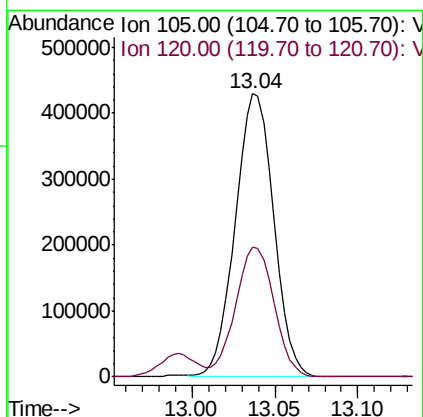
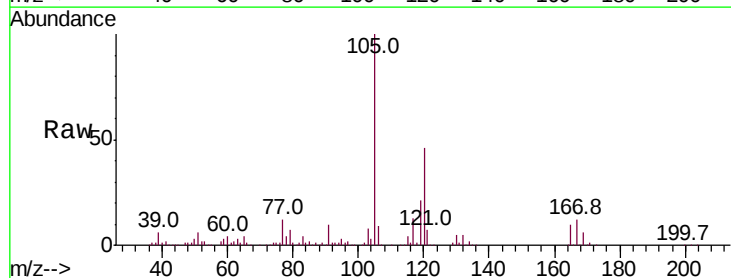
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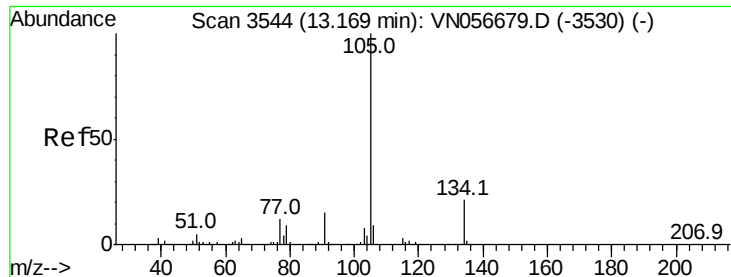
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 51.667 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	692731		
120	45.9	0.0	91.2	





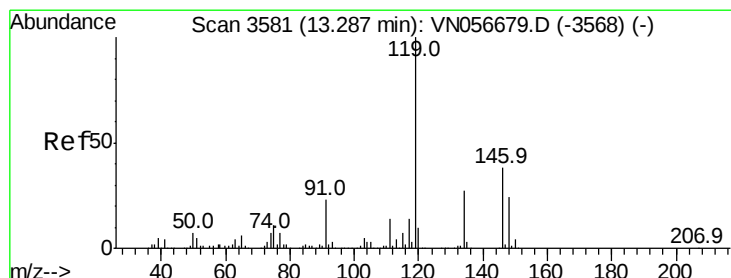
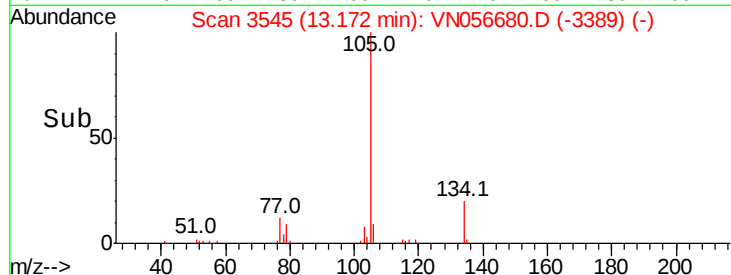
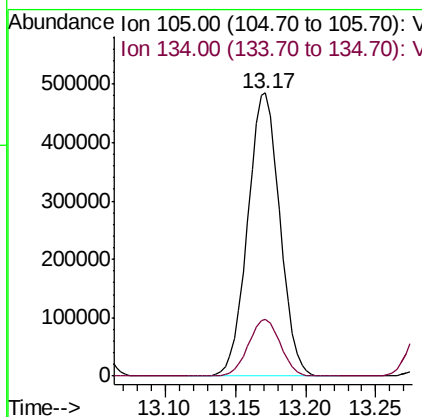
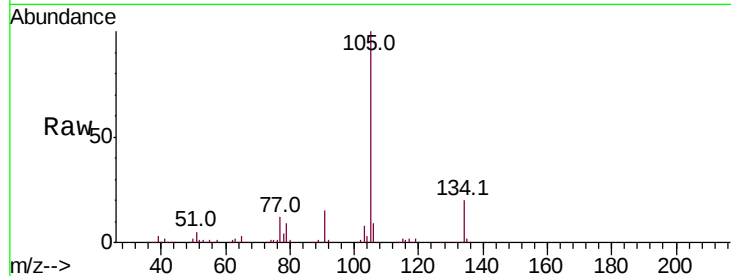
#81
 sec-Butylbenzene
 Concen: 50.391 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	773090		
134	20.0	0.0	40.8	

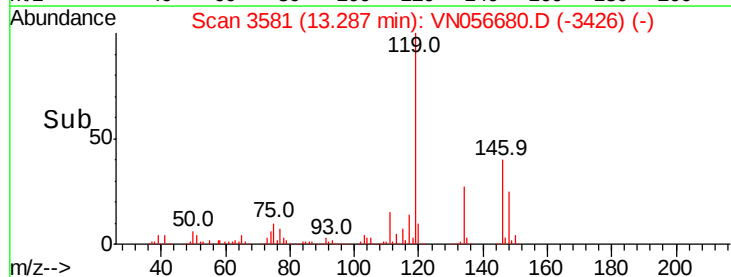
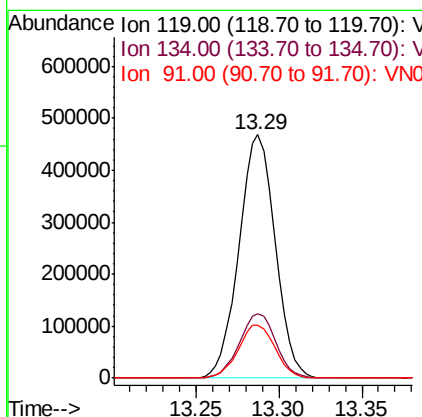
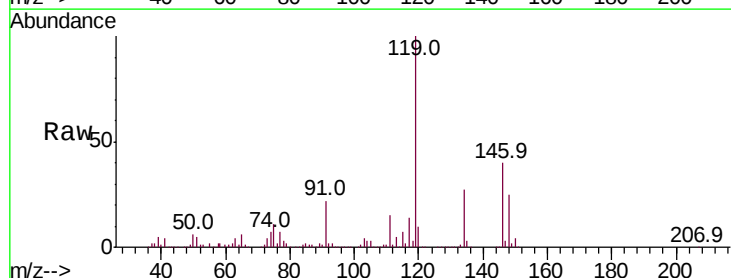
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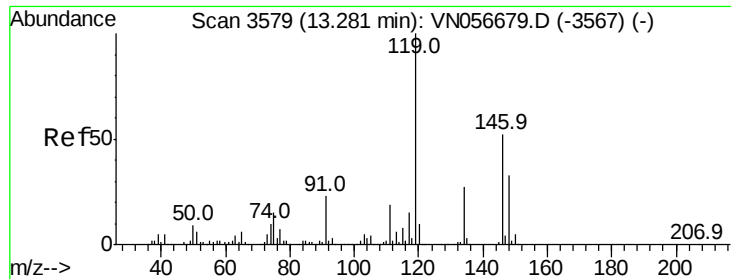
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#82
 p-Isopropyltoluene
 Concen: 51.379 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	711988		
134	26.6	0.0	52.8	
91	22.3	0.0	45.4	





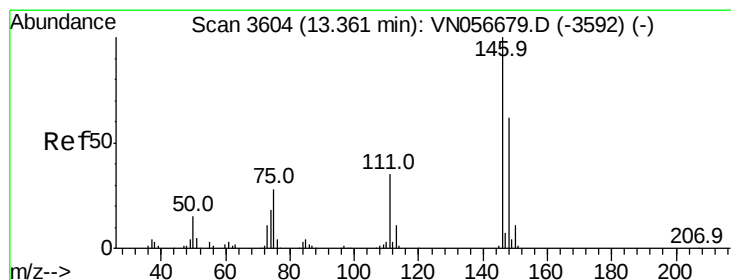
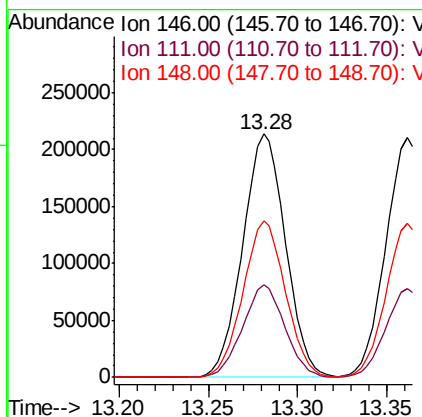
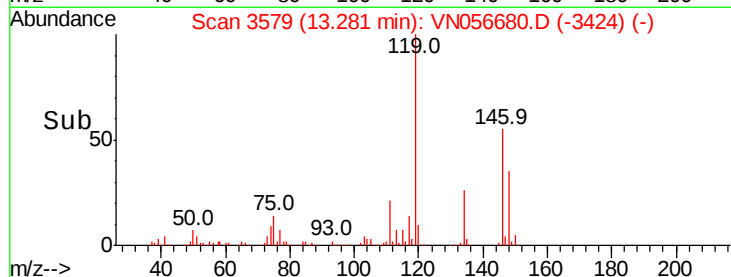
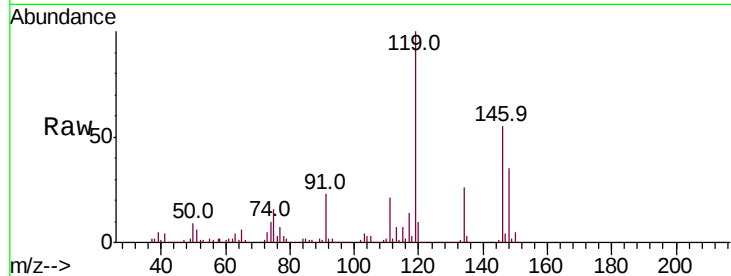
#83
 1,3-Dichlorobenzene
 Concen: 52.385 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.7	31.8	95.4

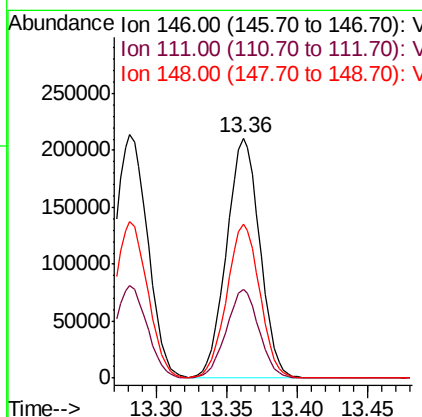
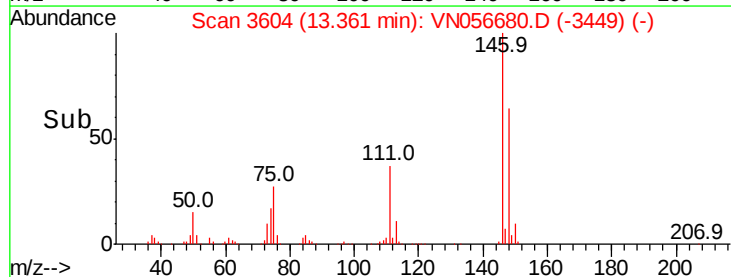
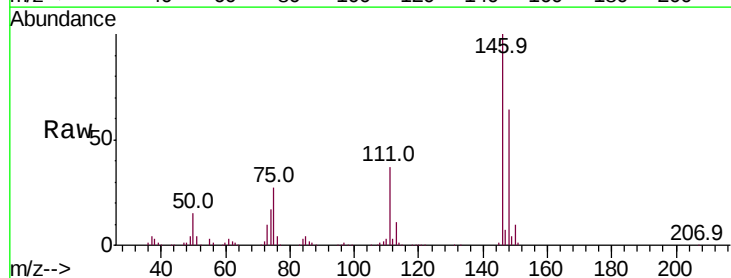
Manual Integrations
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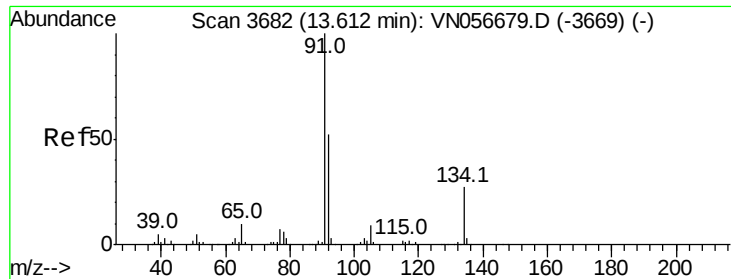
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#84
 1,4-Dichlorobenzene
 Concen: 52.911 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.8	53.4
148	63.7	31.9	95.5





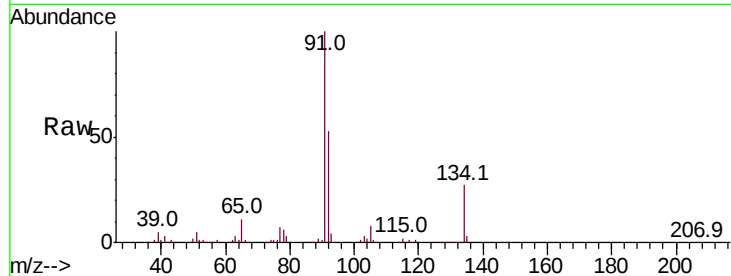
#85
n-Butylbenzene
Concen: 51.714 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	0.0	104.0	
134	26.4	0.0	53.2	

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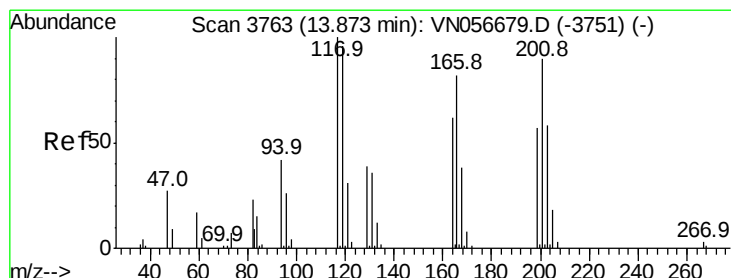
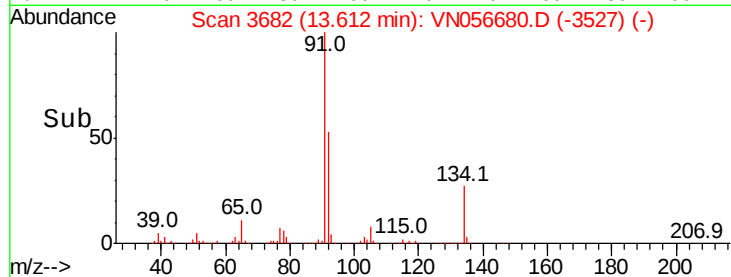
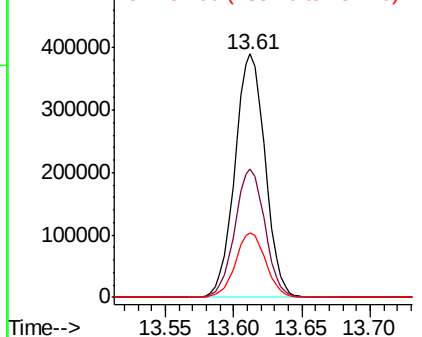


Abundance

Ion 91.00 (90.70 to 91.70): VN056680.D (-3527) (-)

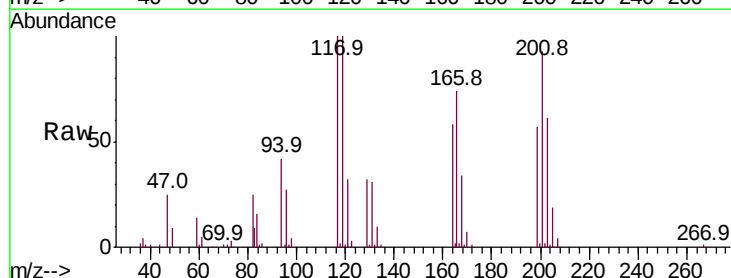
Ion 92.00 (91.70 to 92.70): VN056680.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN056680.D (-3527) (-)



#86
Hexachloroethane
Concen: 52.579 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

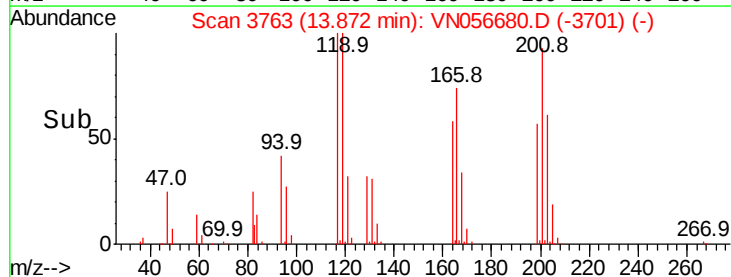
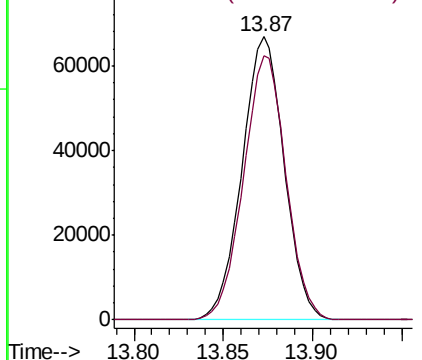
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.7	45.6	136.7	

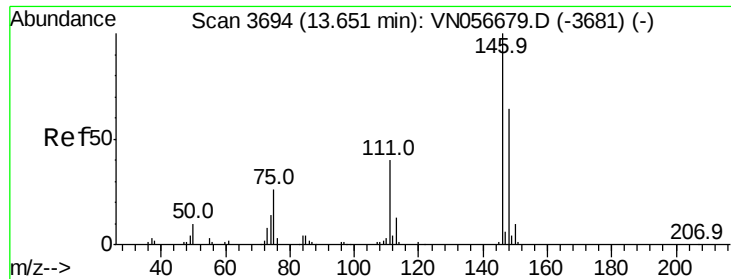


Abundance

Ion 117.00 (116.70 to 117.70): VN056680.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN056680.D (-3701) (-)





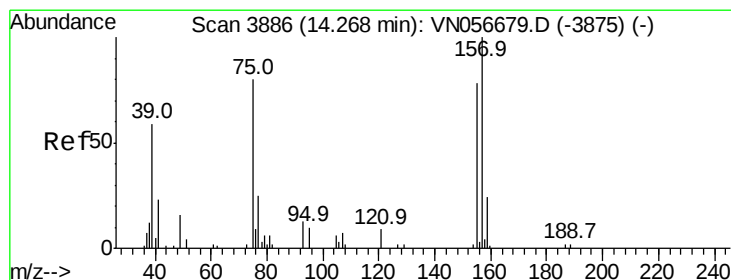
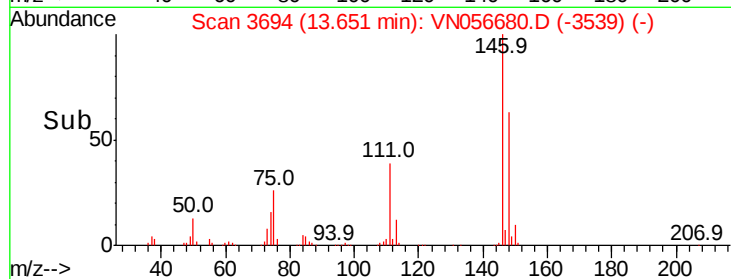
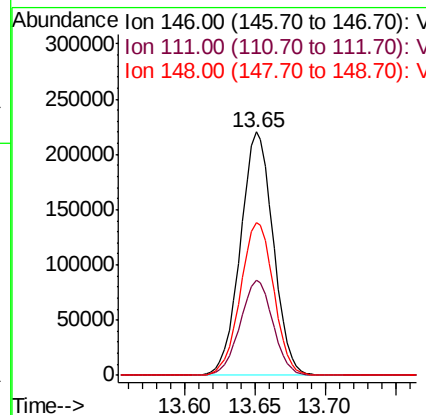
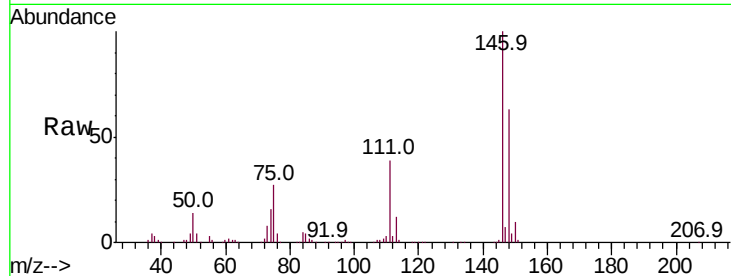
#87
 1,2-Dichlorobenzene
 Concen: 51.956 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.9	32.7	98.1

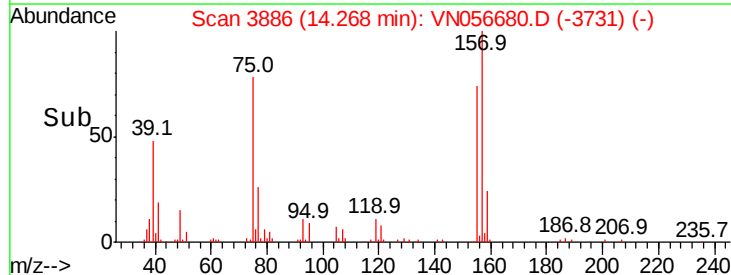
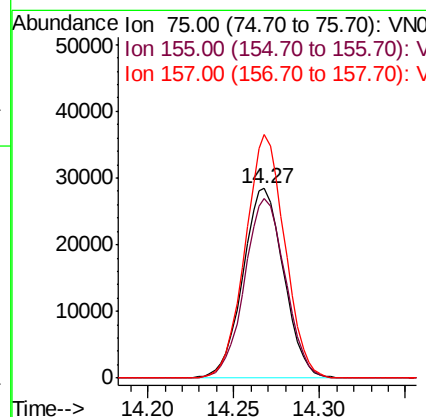
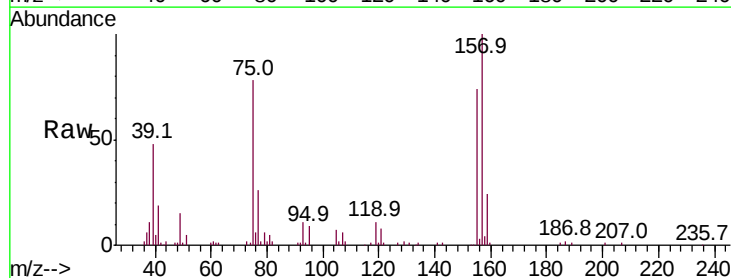
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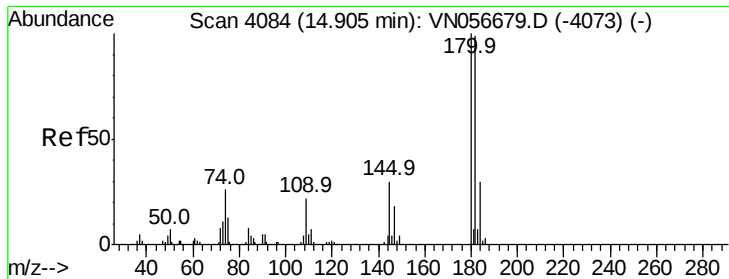
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.252 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	78.6	117.8
157	123.9	99.3	148.9





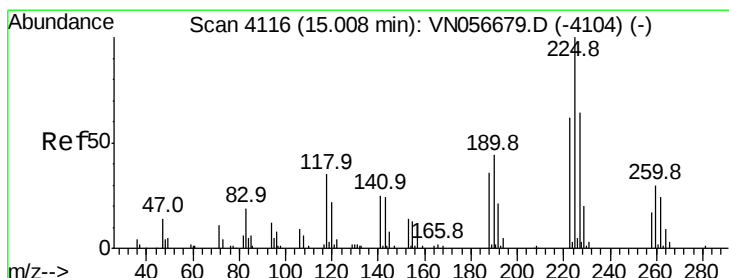
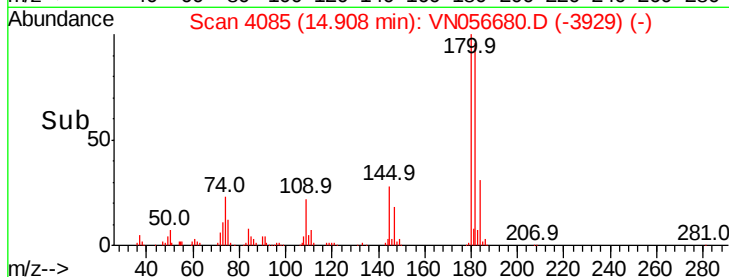
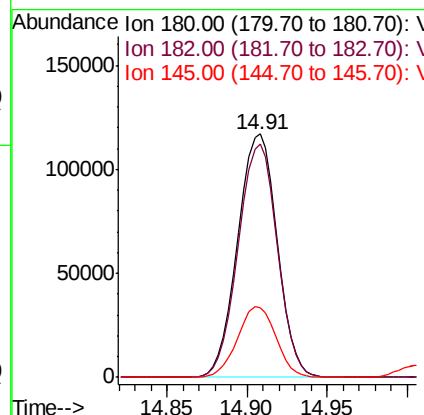
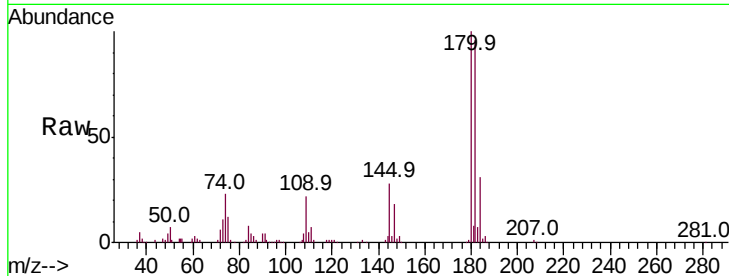
#89
 1,2,4-Trichlorobenzene
 Concen: 51.634 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196595		
182	95.2	78.2	117.4	
145	28.3	23.2	34.8	

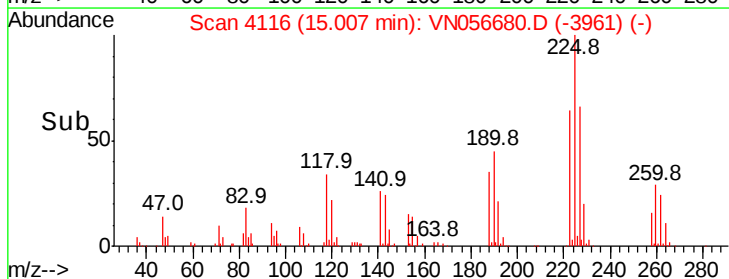
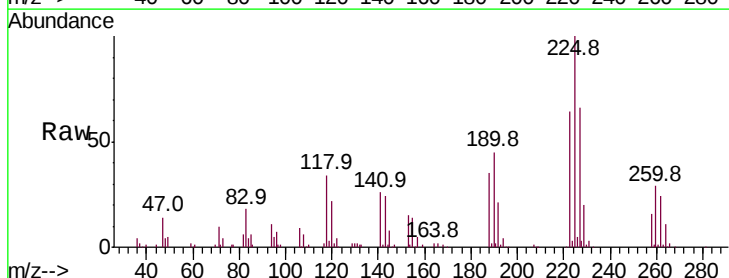
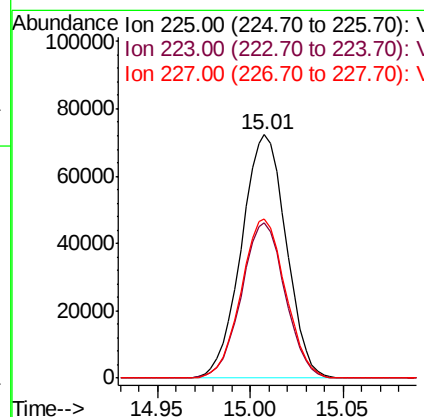
Manual Integrations
 APPROVED

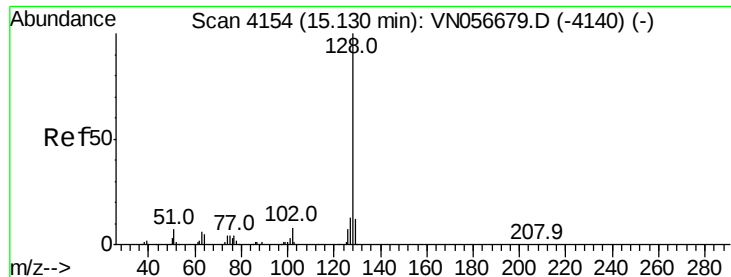
MMDadoda
 7/16/2019 9:59:12 AM



#90
 Hexachlorobutadiene
 Concen: 50.415 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056680.D
 Acq: 12 Jul 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121207		
223	62.1	0.0	124.6	
227	64.6	0.0	128.6	





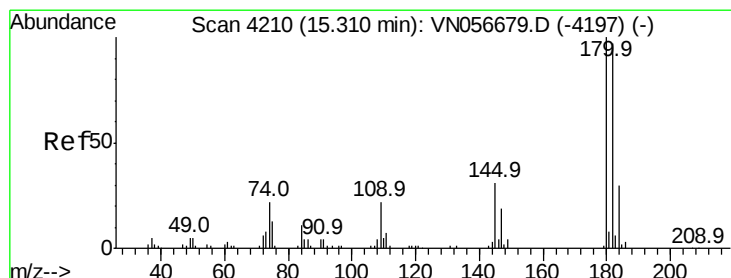
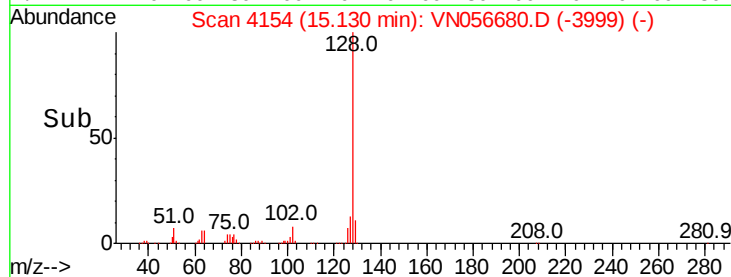
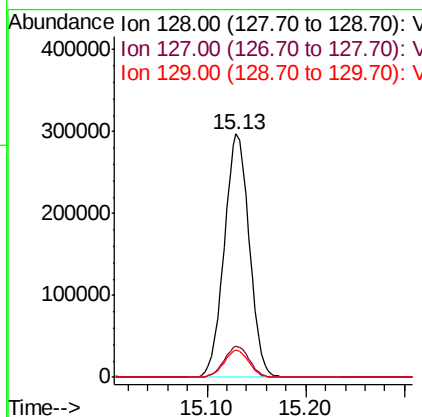
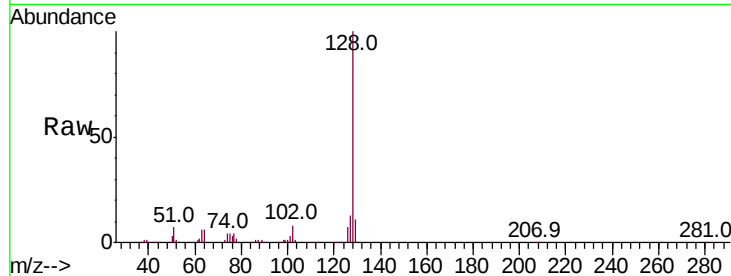
#91
Naphthalene
Concen: 50.466 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	128	Resp:	529041
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:59:12 AM



#92
1,2,3-Trichlorobenzene
Concen: 49.700 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056680.D
Acq: 12 Jul 2019 10:59

Tgt Ion:	180	Resp:	198100
Ion Ratio	Lower	Upper	
180	100		
182	95.7	0.0	192.4
145	30.5	0.0	60.4

