

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056441.D
 Acq On : 24 Jun 2019 9:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:22 AM

Quant Time: Jun 25 01:30:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	402789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	604993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	538820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	224923	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	199860	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.09	98	747258	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	259922	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	170076	49.867	ug/l	99
3) Chloromethane	2.06	50	206526	44.472	ug/l	100
4) Vinyl Chloride	2.18	62	213011	47.491	ug/l	100
5) Bromomethane	2.52	94	117575m	44.714	ug/l	
6) Chloroethane	2.67	64	123271	47.458	ug/l	99
7) Trichlorofluoromethane	3.00	101	288052	49.647	ug/l	100
8) Diethyl Ether	3.40	74	118554	48.281	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	184826	49.953	ug/l	99
10) Methyl Iodide	3.94	142	245968	49.186	ug/l	99
11) Tert butyl alcohol	4.80	59	179273	238.434	ug/l	99
12) 1,1-Dichloroethene	3.73	96	176782	49.683	ug/l	98
13) Acrolein	3.60	56	157988	249.313	ug/l	99
14) Allyl chloride	4.32	41	298659	50.423	ug/l	98
15) Acrylonitrile	4.99	53	496089	238.497	ug/l	100
16) Acetone	3.82	43	591252	264.353	ug/l	99
17) Carbon Disulfide	4.05	76	393126	48.576	ug/l	99
18) Methyl Acetate	4.32	43	210406	47.997	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	587153	49.869	ug/l	99
20) Methylene Chloride	4.55	84	203400	48.209	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	187669	48.920	ug/l	98
22) Diisopropyl ether	5.95	45	623797	50.147	ug/l	96
23) Vinyl Acetate	5.89	43	2588878	263.869	ug/l	100
24) 1,1-Dichloroethane	5.84	63	356084	49.868	ug/l	100
25) 2-Butanone	6.83	43	740129	250.031	ug/l	99
26) 2,2-Dichloropropane	6.82	77	270834	54.535	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	224582	50.038	ug/l	99
28) Bromochloromethane	7.19	49	176232	49.897	ug/l	99
29) Tetrahydrofuran	7.21	42	430260	237.849	ug/l	99
30) Chloroform	7.37	83	351341	49.864	ug/l	99
31) Cyclohexane	7.65	56	319796	46.391	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	290476	52.010	ug/l	99
36) 1,1-Dichloropropene	7.79	75	262838	49.359	ug/l	99
37) Ethyl Acetate	6.93	43	262623	50.185	ug/l	98
38) Carbon Tetrachloride	7.77	117	245202	52.656	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	330061	50.233	ug/l	98
40) Benzene	8.04	78	811627	49.551	ug/l	98
41) Methacrylonitrile	7.17	41	109651	47.451	ug/l	99
42) 1,2-Dichloroethane	8.12	62	263880	48.815	ug/l	99
43) Isopropyl Acetate	8.16	43	417343	51.720	ug/l	100
44) Trichloroethene	8.83	130	223249	50.597	ug/l	99
45) 1,2-Dichloropropane	9.12	63	220914	50.431	ug/l	99
46) Dibromomethane	9.21	93	140067	51.107	ug/l	99
47) Bromodichloromethane	9.40	83	267308	54.994	ug/l	97
48) Methyl methacrylate	9.20	41	199628	49.368	ug/l	100
49) 1,4-Dioxane	9.20	88	80382	957.889	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1278161	245.411	ug/l	100
52) Toluene	10.15	92	507128	50.641	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	286114	50.507	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	328753	56.164	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	205943	51.162	ug/l	99
56) Ethyl methacrylate	10.43	69	308298	52.408	ug/l	99
57) 1,3-Dichloropropane	10.71	76	343125	50.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	527105	249.416	ug/l	99
59) 2-Hexanone	10.75	43	934032	244.007	ug/l	99
60) Dibromochloromethane	10.90	129	210668	50.873	ug/l	99
61) 1,2-Dibromoethane	11.00	107	211844	51.528	ug/l	100
64) Tetrachloroethene	10.63	164	211130	49.479	ug/l	98
65) Chlorobenzene	11.43	112	544696	50.310	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201553	55.081	ug/l	99
67) Ethyl Benzene	11.51	91	959714	50.484	ug/l	100
68) m/p-Xylenes	11.62	106	721874	103.615	ug/l	100
69) o-Xylene	11.95	106	358212	51.971	ug/l	97
70) Styrene	11.96	104	593158	53.839	ug/l	99
71) Bromoform	12.13	173	147975	50.119	ug/l #	98
73) Isopropylbenzene	12.25	105	946081	54.770	ug/l	100
74) N-amyl acetate	12.07	43	344121	46.795	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	281327	52.516	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	221573m	46.247	ug/l	
77) Bromobenzene	12.53	156	243128	47.058	ug/l	99
78) n-propylbenzene	12.59	91	1035507	48.938	ug/l	100
79) 2-Chlorotoluene	12.67	91	626163	54.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	781120	53.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	74247	55.078	ug/l	93
82) 4-Chlorotoluene	12.77	91	600842	48.092	ug/l	100
83) tert-Butylbenzene	12.99	119	690064	54.720	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	750509	48.249	ug/l	99
85) sec-Butylbenzene	13.17	105	899154	48.347	ug/l	100
86) p-Isopropyltoluene	13.29	119	799921	50.117	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	398166	50.854	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	375912	49.574	ug/l	99
89) n-Butylbenzene	13.61	91	617703	51.122	ug/l	100
90) Hexachloroethane	13.87	117	131893	53.004	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	385138	49.579	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43394	50.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173536	43.695	ug/l	98
94) Hexachlorobutadiene	15.01	225	142160	54.157	ug/l	99
95) Naphthalene	15.13	128	463967	44.526	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	190941	45.951	ug/l	99

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

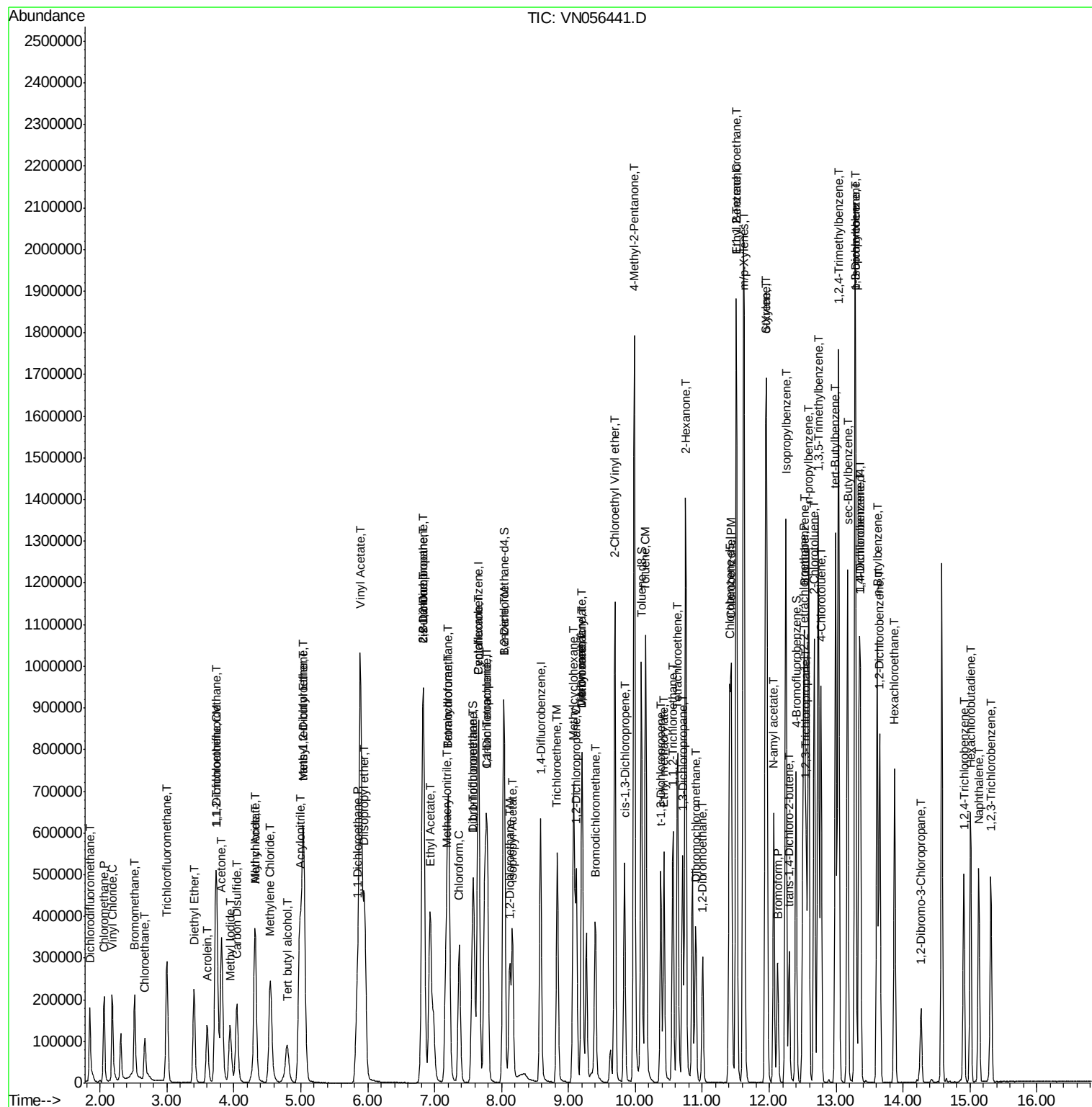
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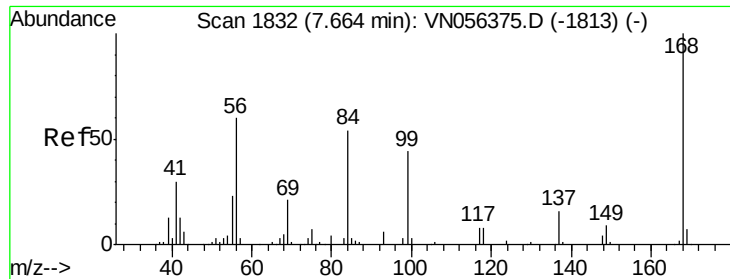
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 402789

Ion Ratio Lower Upper

168 100

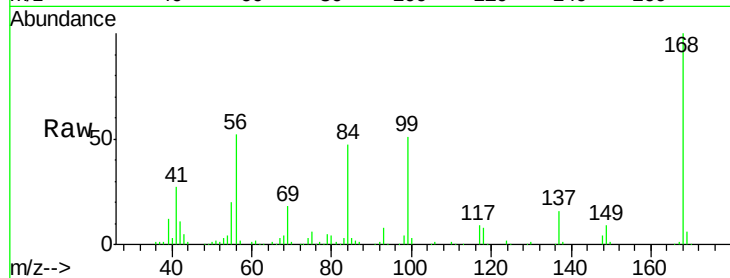
99 50.2 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

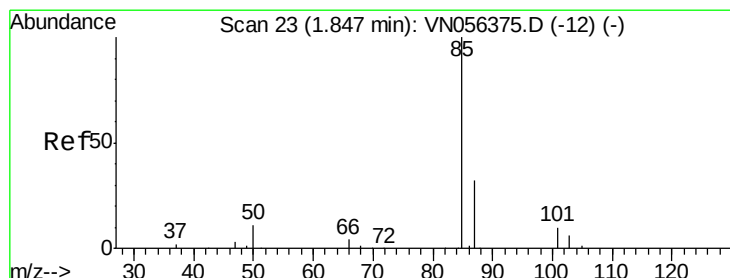
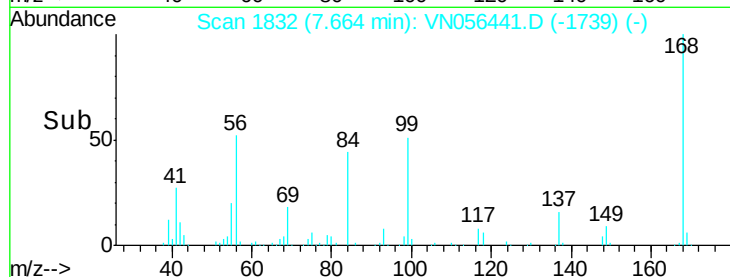
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.867 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056441.D

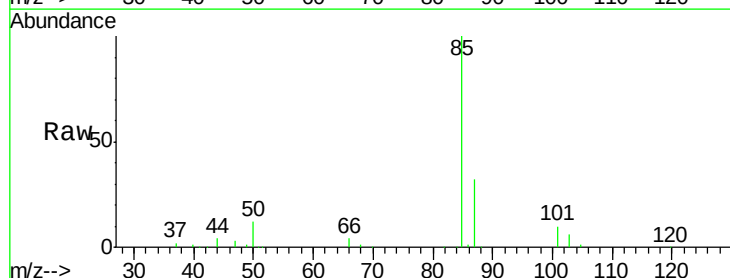
Acq: 24 Jun 2019 9:21

Tgt Ion: 85 Resp: 170076

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

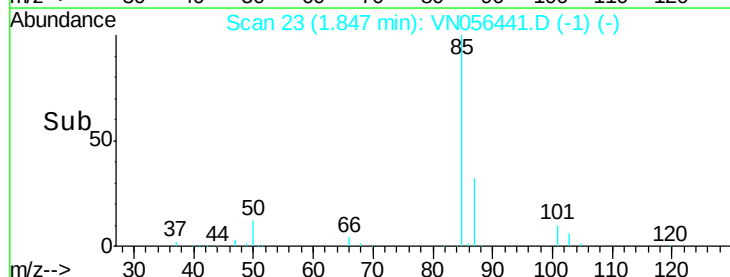
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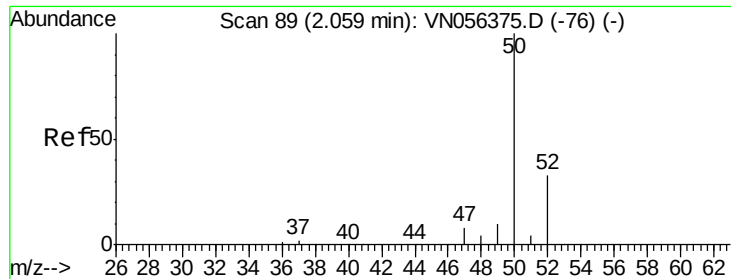
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.472 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 206526

Ion Ratio Lower Upper

50 100

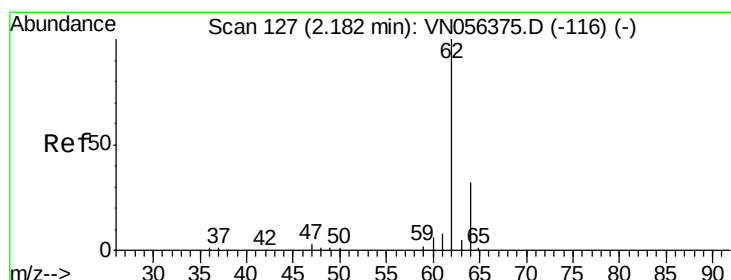
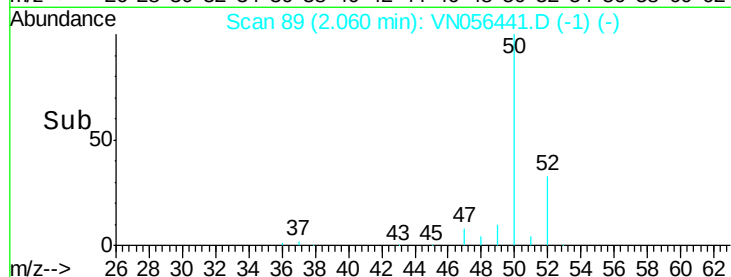
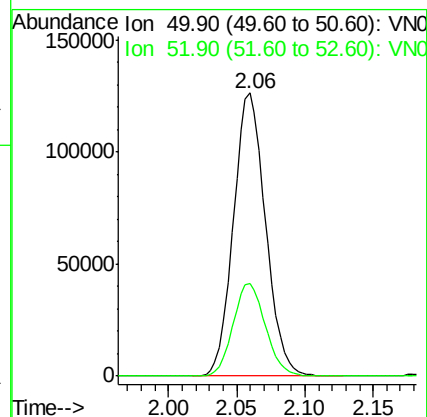
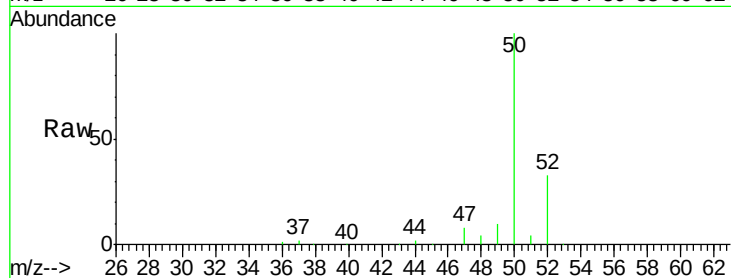
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.491 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056441.D

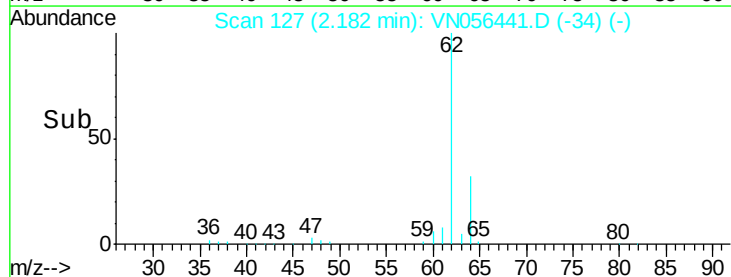
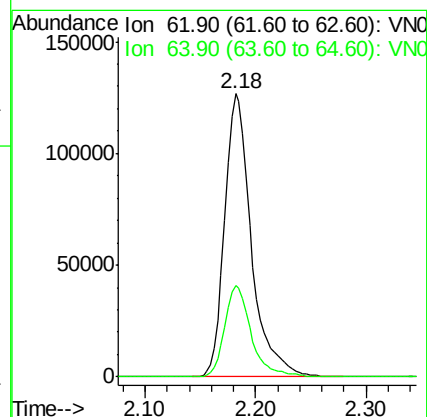
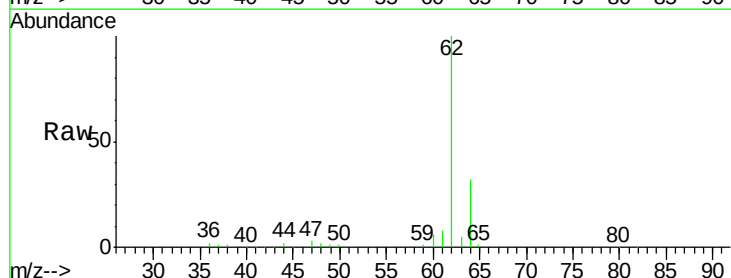
Acq: 24 Jun 2019 9:21

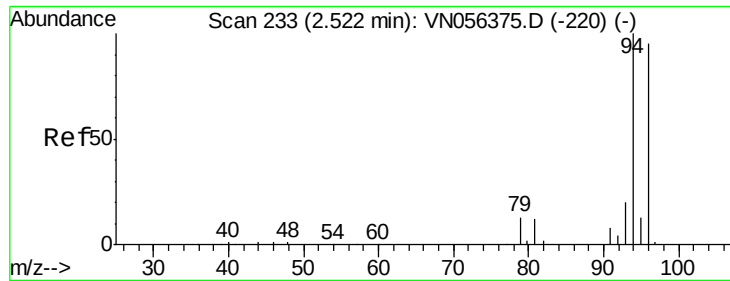
Tgt Ion: 62 Resp: 213011

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 44.714 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 117575

Ion Ratio Lower Upper

94 100

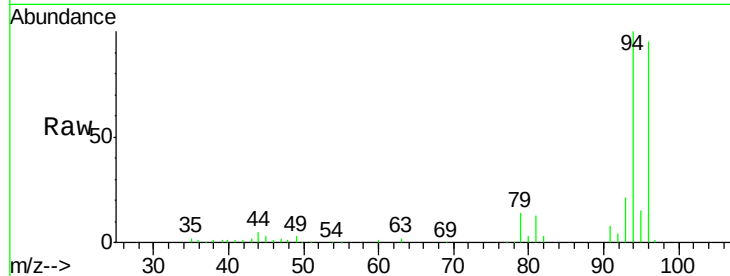
96 95.3 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

80000

60000

40000

20000

0

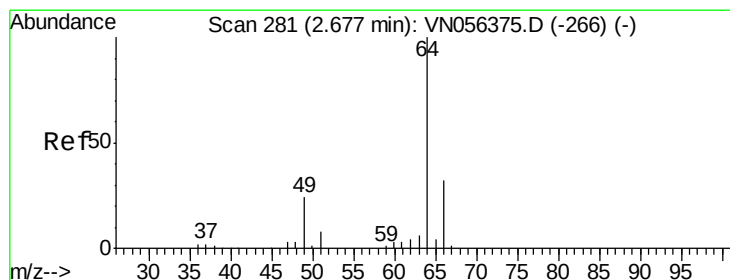
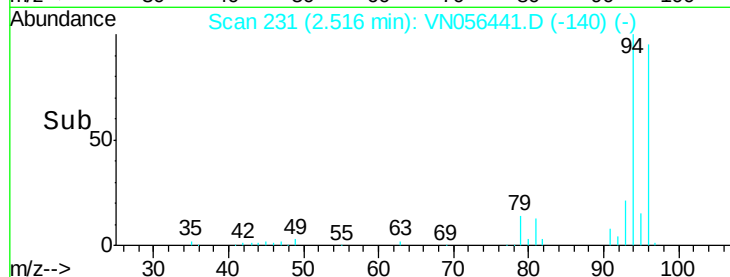
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2.40

2.50

2.60

2.70



#6

Chloroethane

Concen: 47.458 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN056441.D

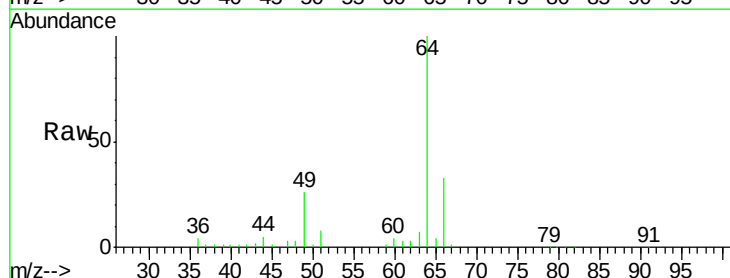
Acq: 24 Jun 2019 9:21

Tgt Ion: 64 Resp: 123271

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

60000

50000

40000

30000

20000

10000

0

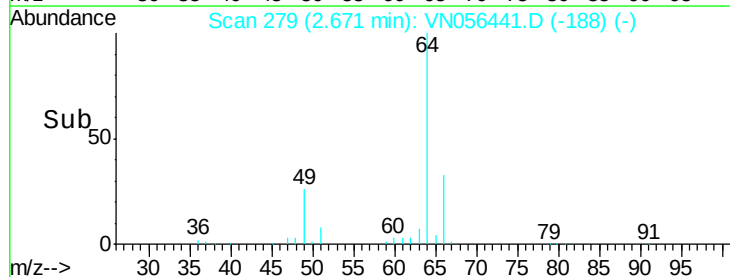
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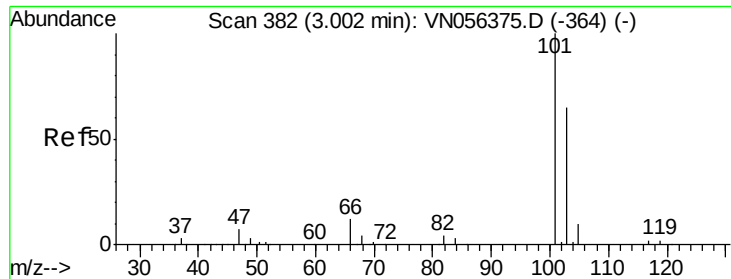
2.60

2.70

2.80

2.90





#7

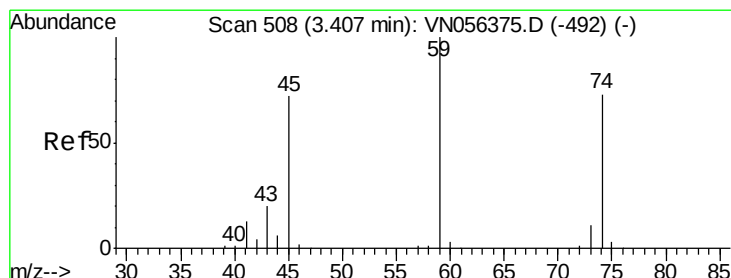
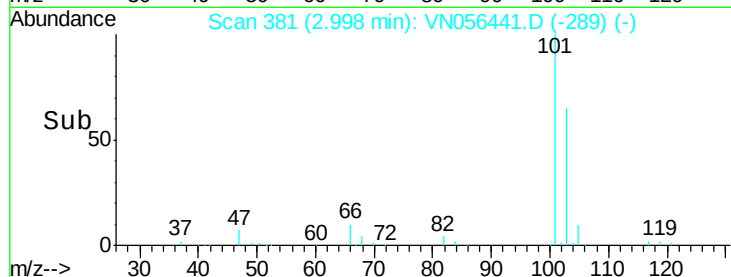
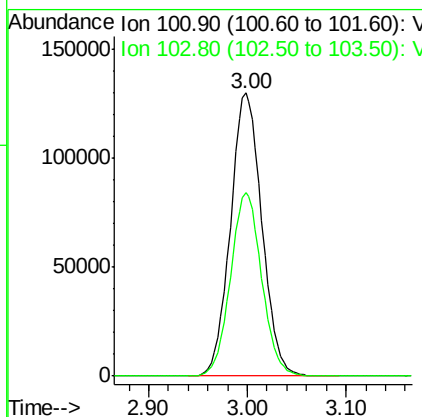
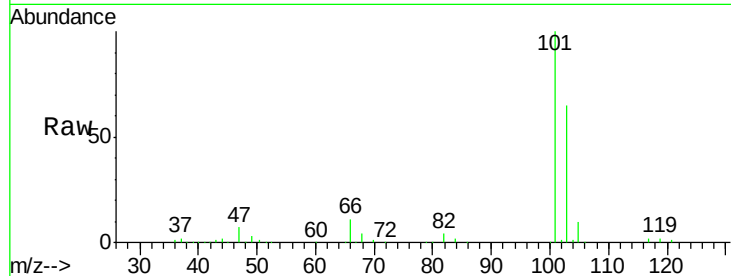
Trichlorofluoromethane
Concen: 49.647 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

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ClientSampled :
VSTDCCC050

Tot Ion:101 Resp: 288052
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5

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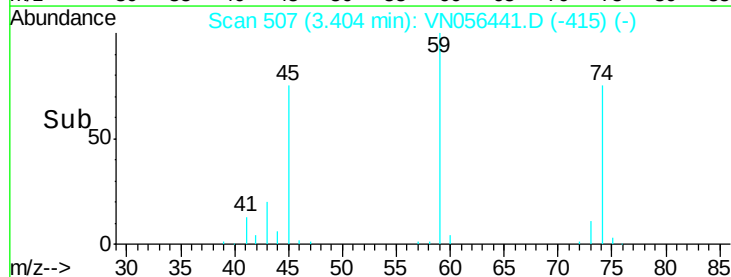
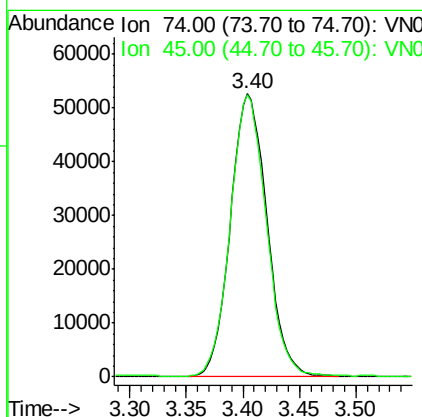
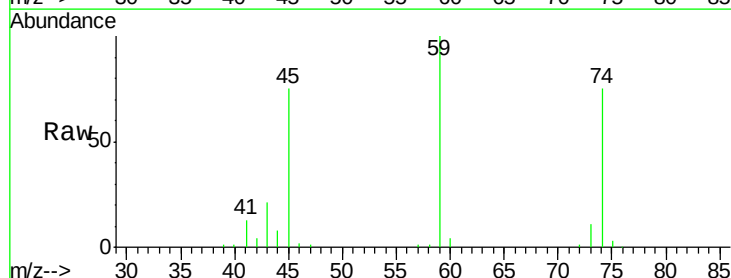
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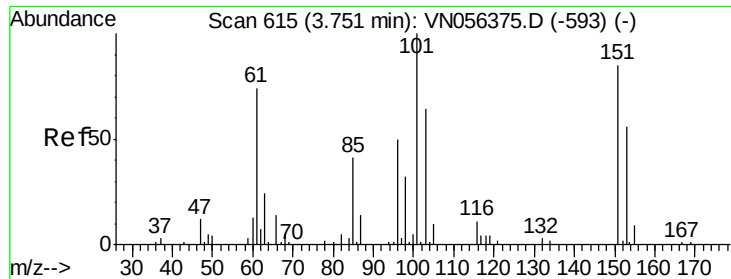


#8

Diethyl Ether
Concen: 48.281 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion: 74 Resp: 118554
Ion Ratio Lower Upper
74 100
45 97.5 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.953 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

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MSVOA_N

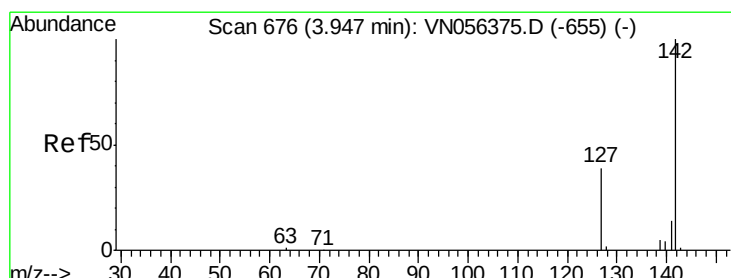
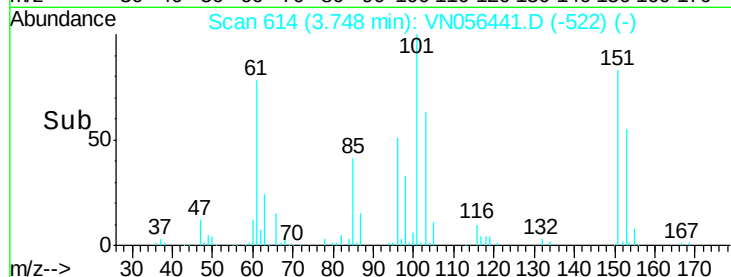
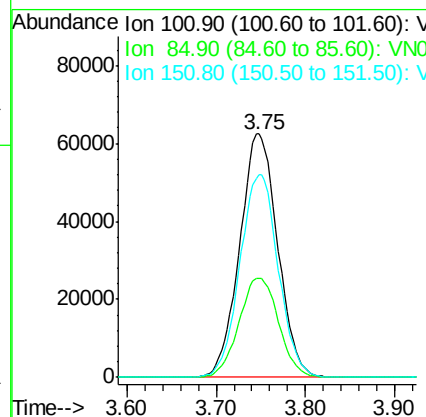
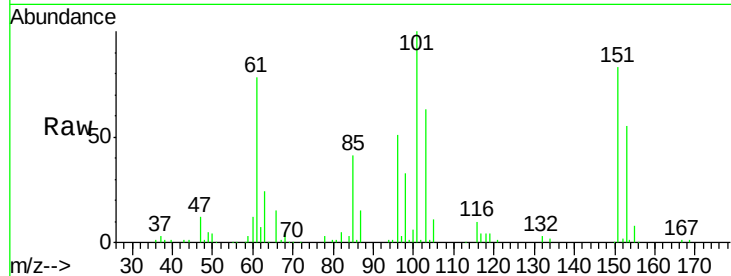
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	184826
Ion Ratio	Lower	Upper	
101	100		
85	42.4	32.7	49.1
151	84.2	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.186 ug/l

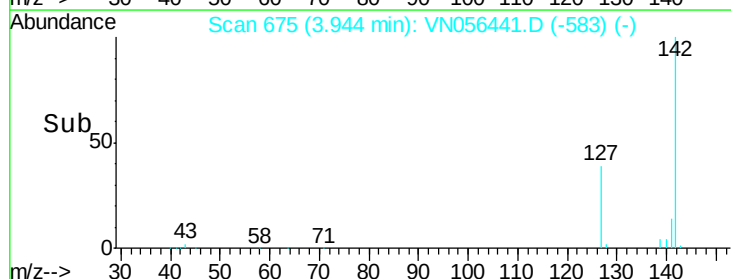
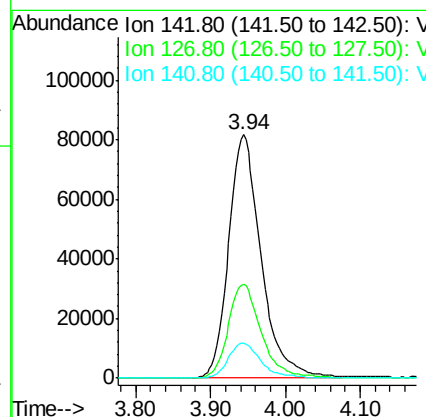
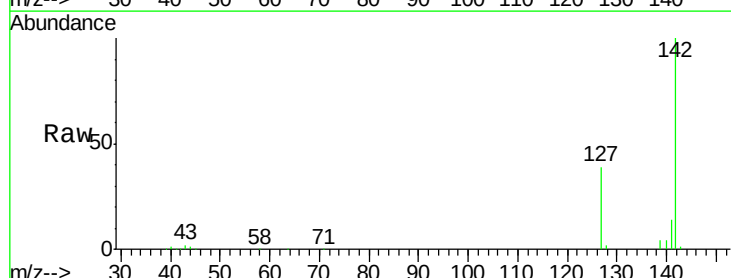
RT: 3.94 min Scan# 675

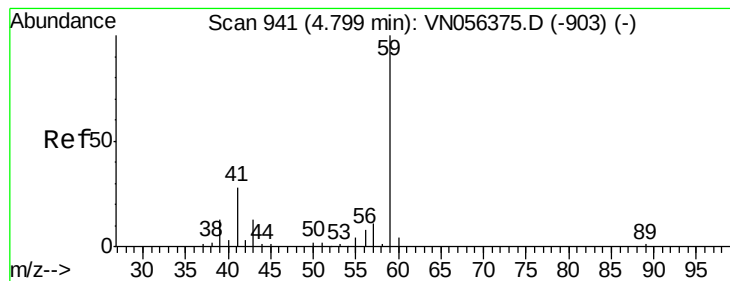
Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion:	142	Resp:	245968
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.6	46.0
141	14.4	11.4	17.2





#11

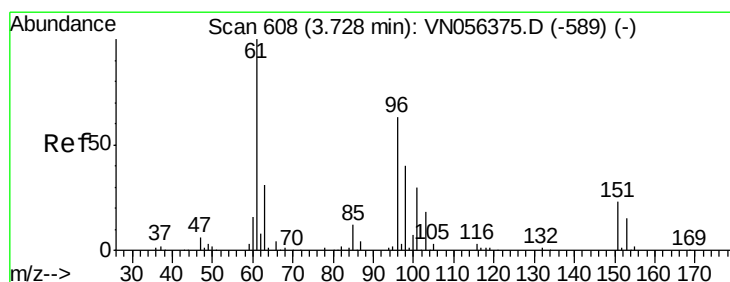
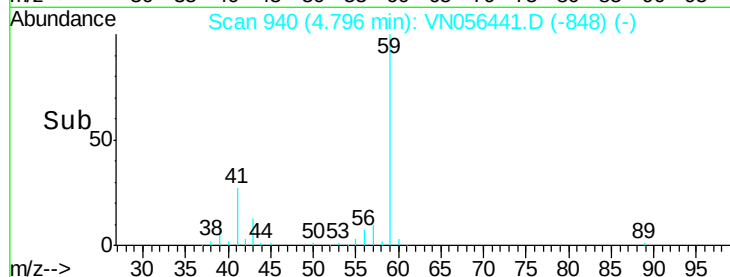
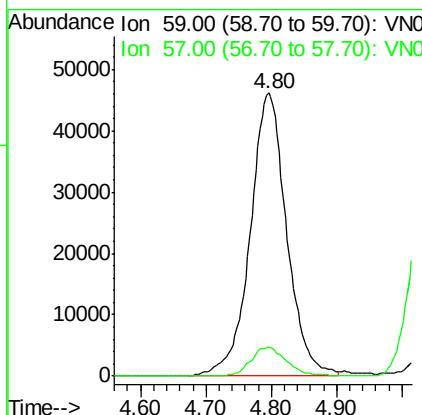
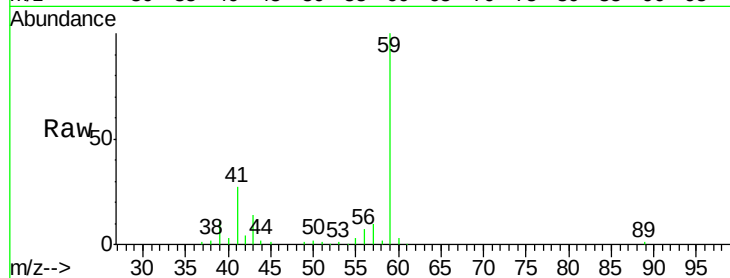
Tert butyl alcohol
 Concen: 238.434 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.6	11.4

Manual Integrations
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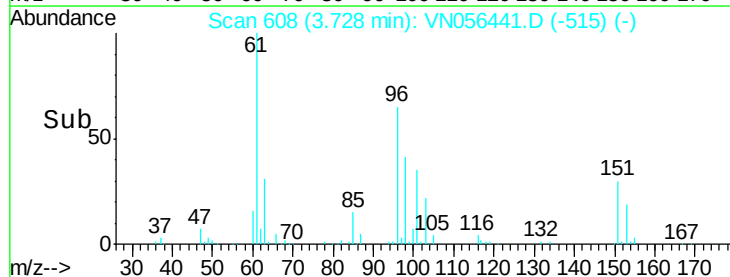
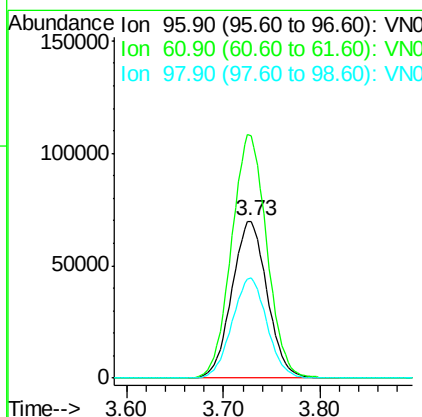
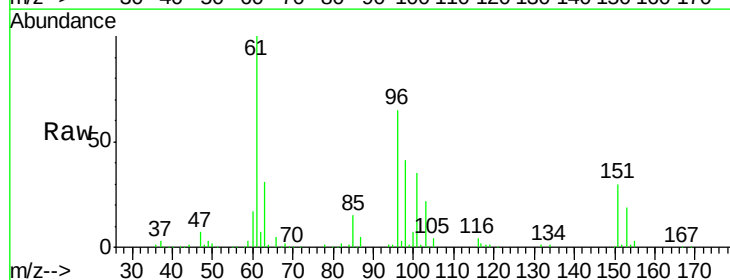
MMDadoda
 6/26/2019 8:14:22 AM

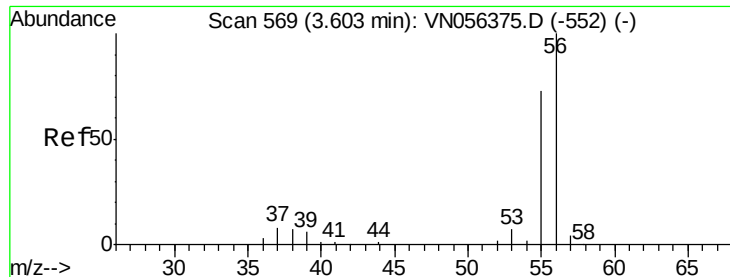


#12

1,1-Dichloroethene
 Concen: 49.683 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	126.6	190.0
98	63.7	51.1	76.7





#13

Acrolein

Concen: 249.313 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 157988

Ion Ratio Lower Upper

56 100

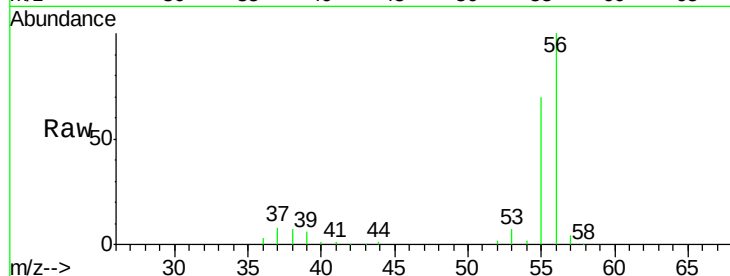
55 72.1 57.1 85.7

Manual Integrations

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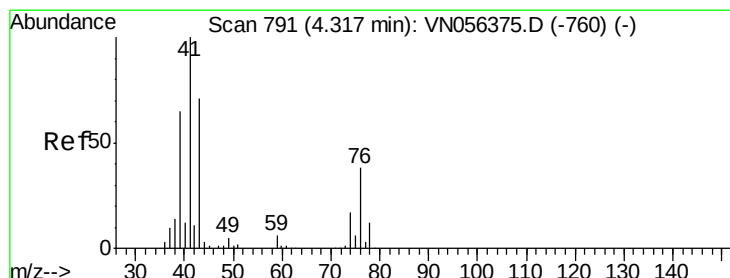
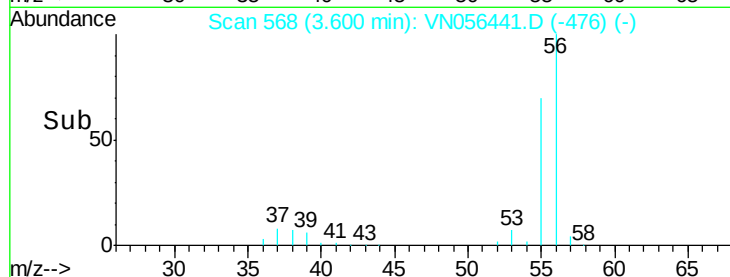
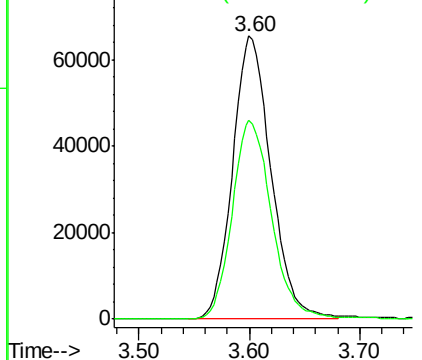
MMDadoda

6/26/2019 8:14:22 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.423 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

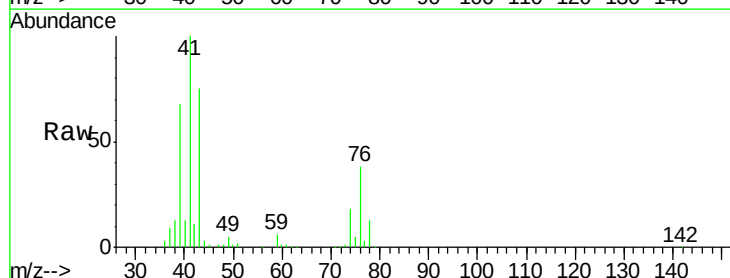
Tgt Ion: 41 Resp: 298659

Ion Ratio Lower Upper

41 100

39 62.6 48.6 73.0

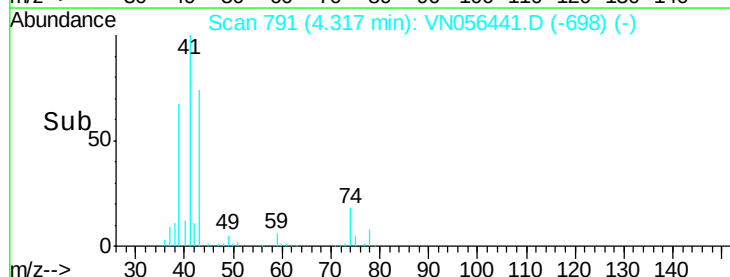
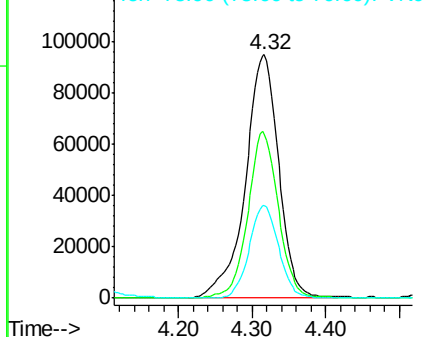
76 33.6 26.6 40.0

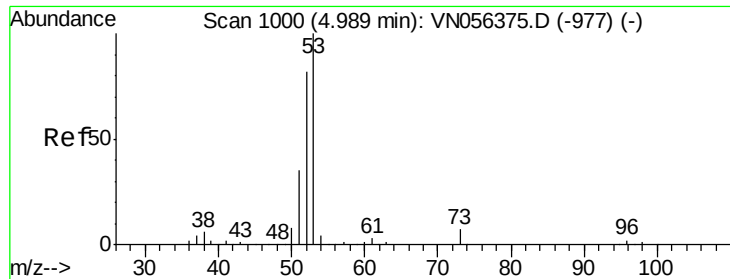


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





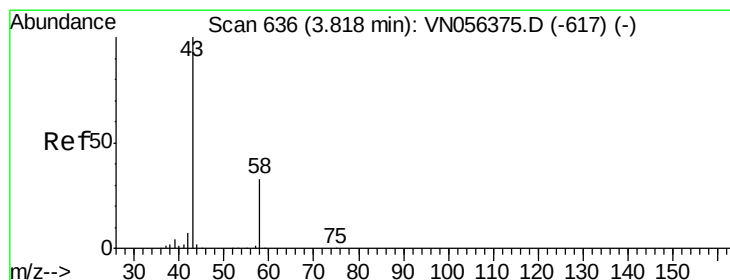
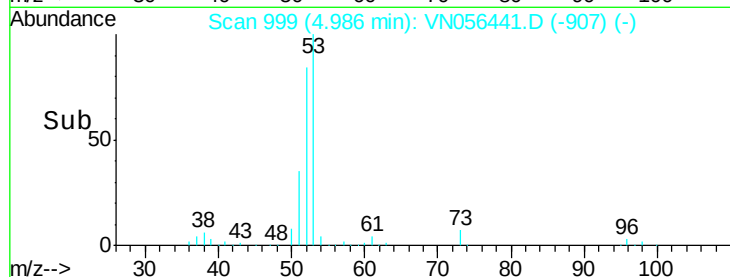
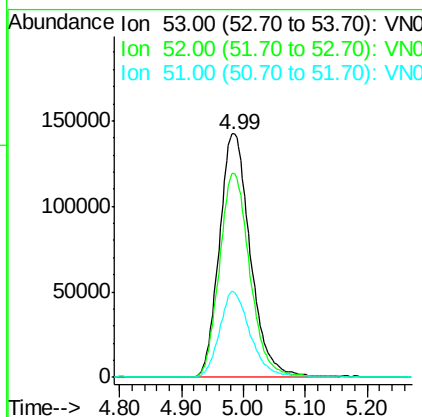
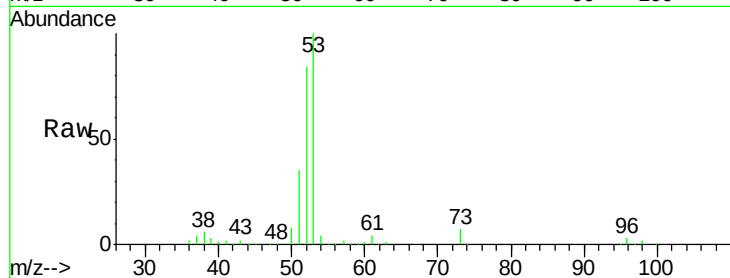
#15
 Acrylonitrile
 Concen: 238.497 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	35.0	28.3	42.5

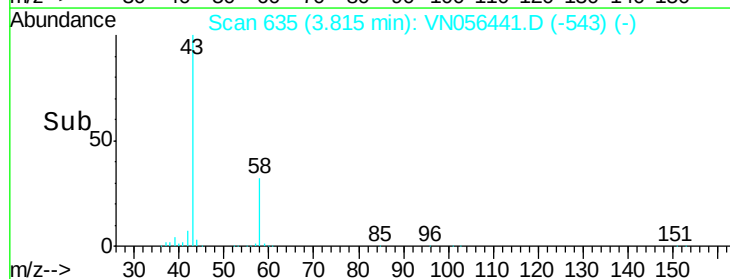
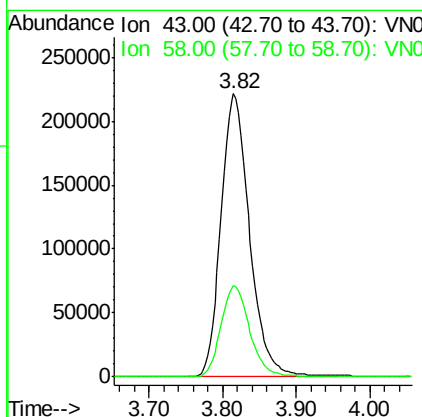
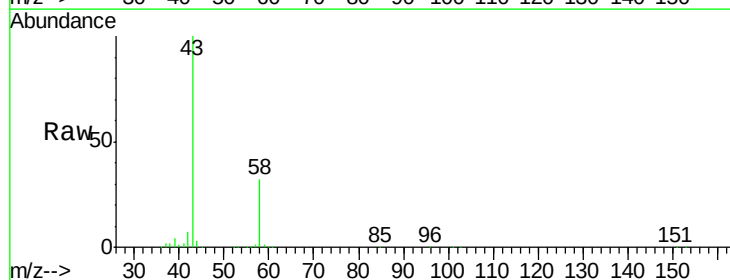
Manual Integrations
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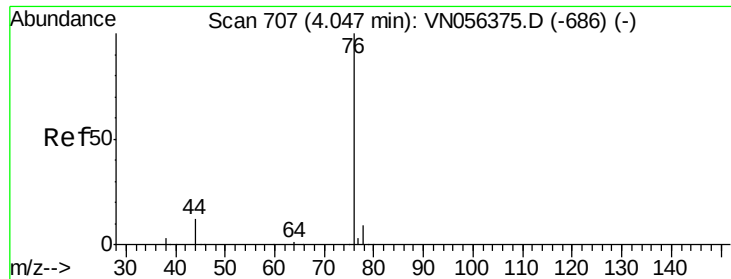
MMDadoda
 6/26/2019 8:14:22 AM



#16
 Acetone
 Concen: 264.353 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.4	39.6





#17

Carbon Disulfide

Concen: 48.576 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 393126

Ion Ratio Lower Upper

76 100

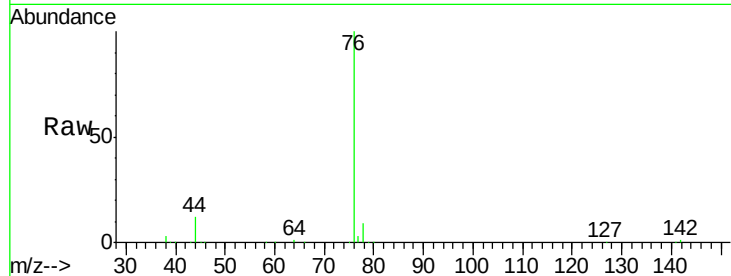
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

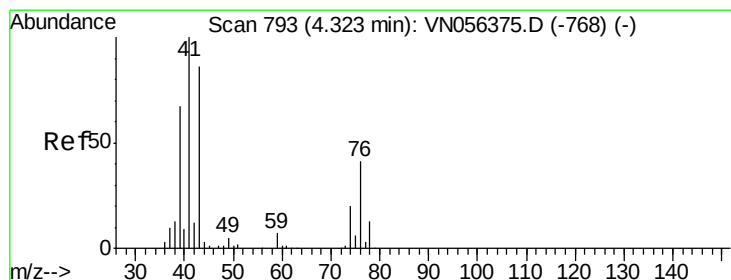
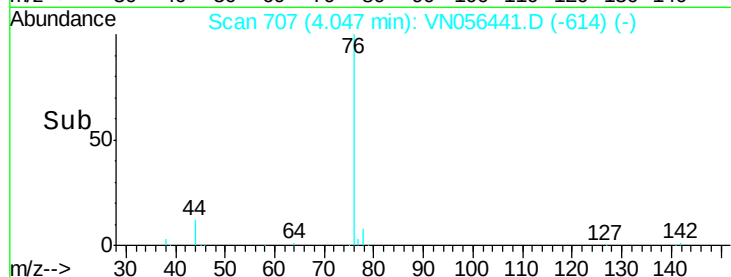
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.997 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056441.D

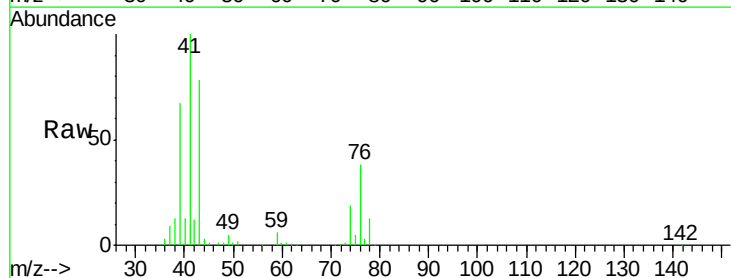
Acq: 24 Jun 2019 9:21

Tgt Ion: 43 Resp: 210406

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

80000

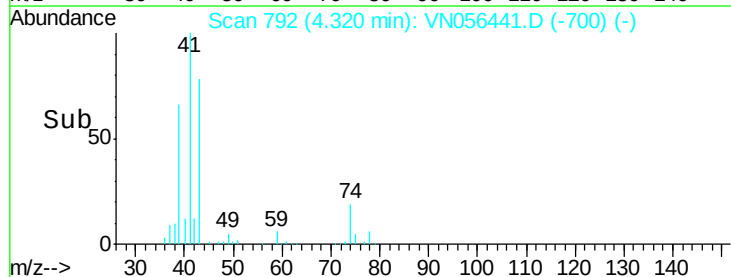
60000

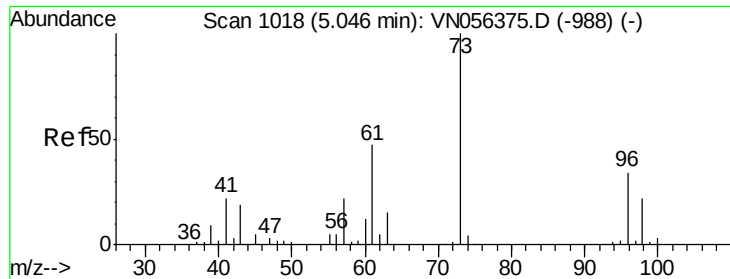
40000

20000

0

Time-->





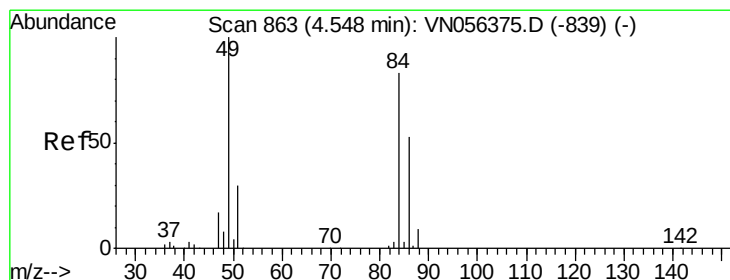
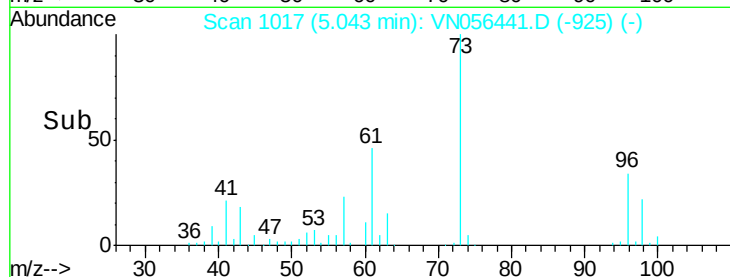
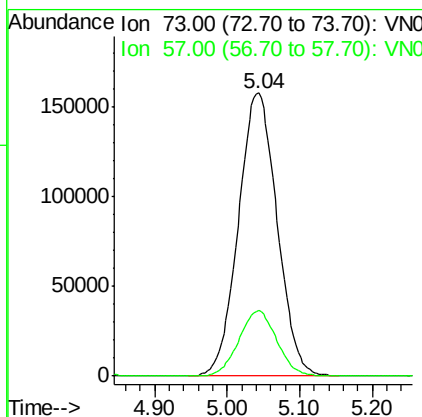
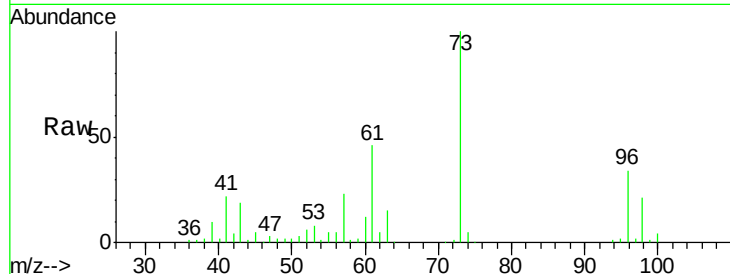
#19
Methyl tert-butyl Ether
Concen: 49.869 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 587153
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

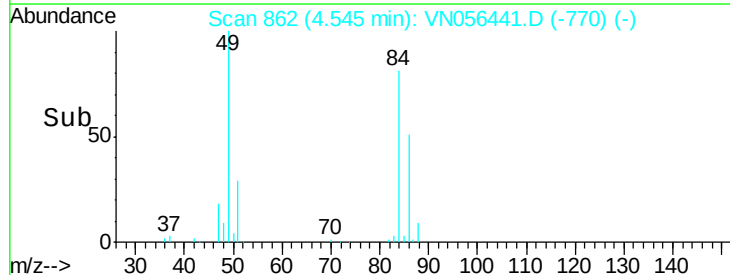
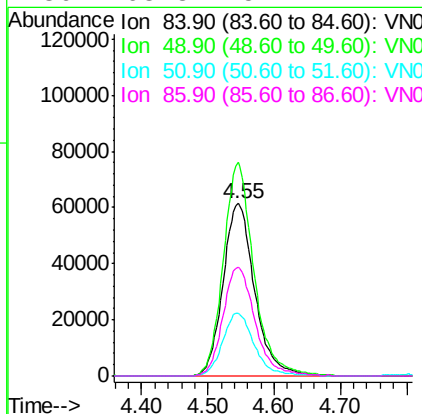
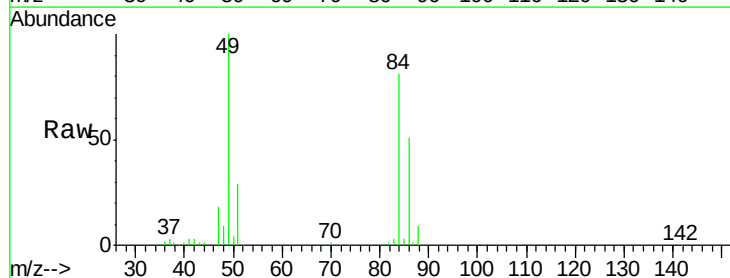
Manual Integrations
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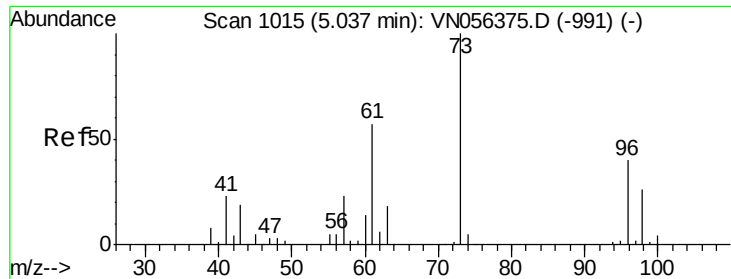
MMDadoda
6/26/2019 8:14:22 AM



#20
Methylene Chloride
Concen: 48.209 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion: 84 Resp: 203400
Ion Ratio Lower Upper
84 100
49 123.8 96.4 144.6
51 36.3 28.6 43.0
86 63.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.920 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 187669

Ion Ratio Lower Upper

96 100

61 139.6 113.0 169.6

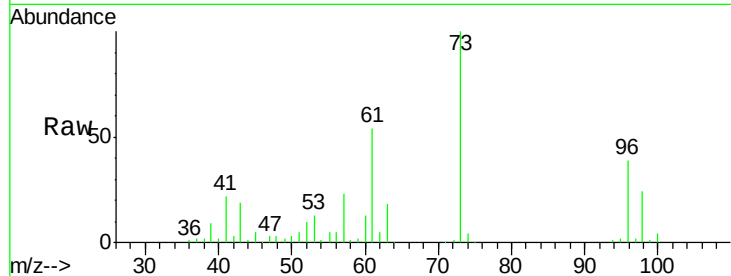
98 63.0 52.2 78.2

Manual Integrations

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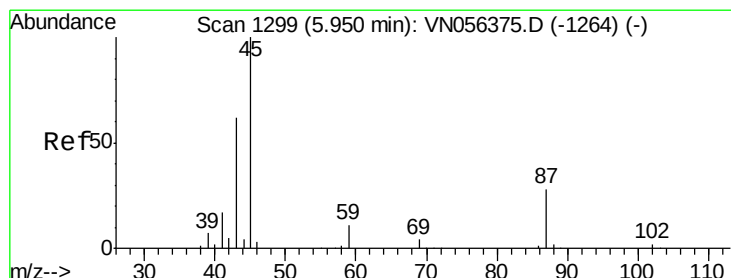
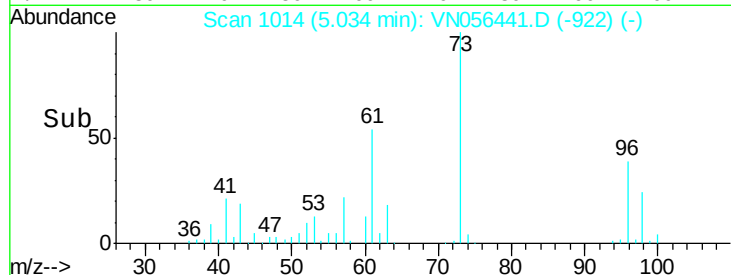
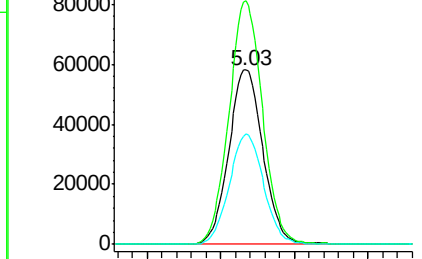


Abundance Ion 95.90 (95.60 to 96.60): VN056441.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VN056441.D (-922) (-)

Ion 97.90 (97.60 to 98.60): VN056441.D (-922) (-)

5.03



#22

Diisopropyl ether

Concen: 50.147 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion: 45 Resp: 623797

Ion Ratio Lower Upper

45 100

43 59.1 50.4 75.6

87 27.5 23.0 34.4

59 11.4 9.1 13.7

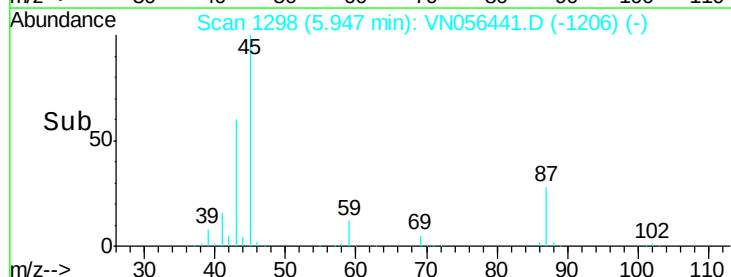
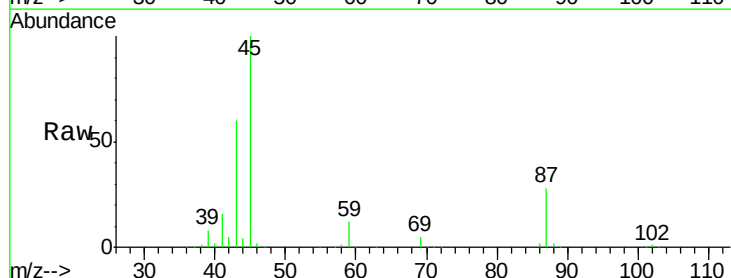
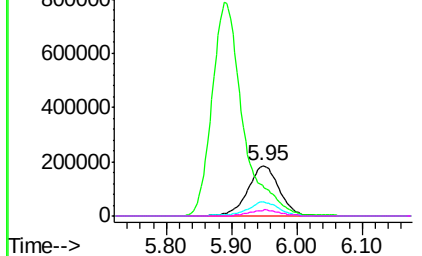
Abundance Ion 45.00 (44.70 to 45.70): VN056441.D (-1206) (-)

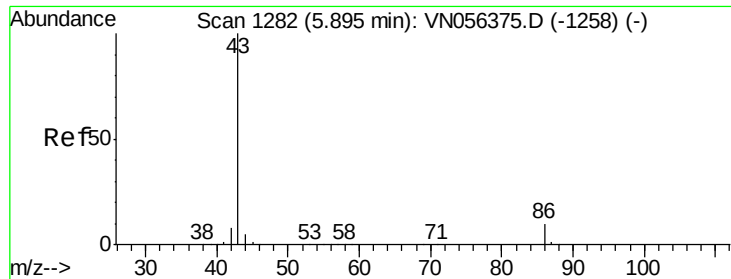
Ion 43.00 (42.70 to 43.70): VN056441.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN056441.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN056441.D (-1206) (-)

5.95





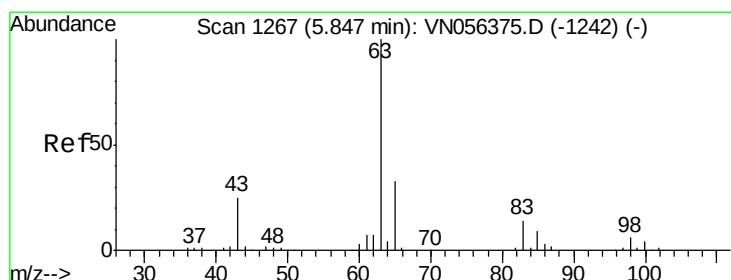
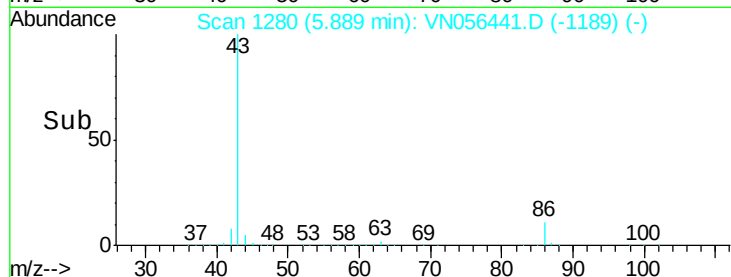
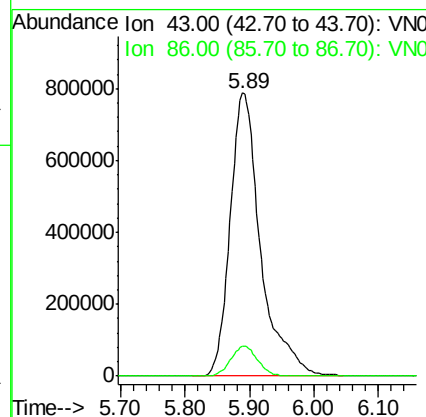
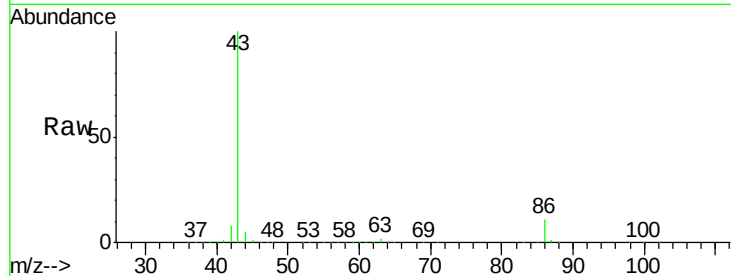
#23
 Vinyl Acetate
 Concen: 263.869 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2588878
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5

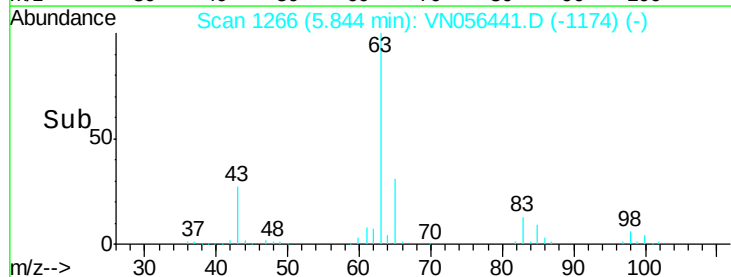
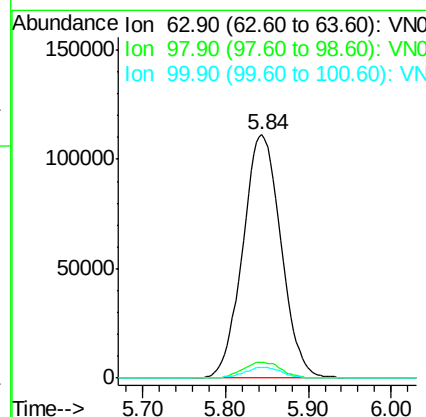
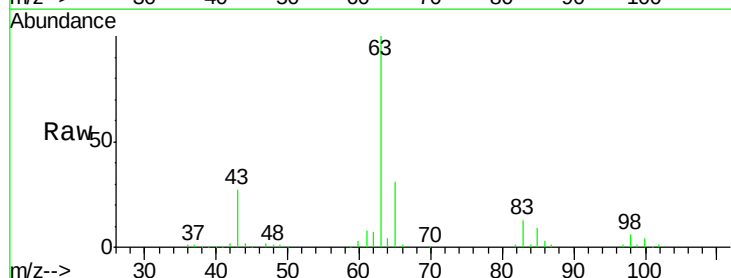
Manual Integrations
 APPROVED

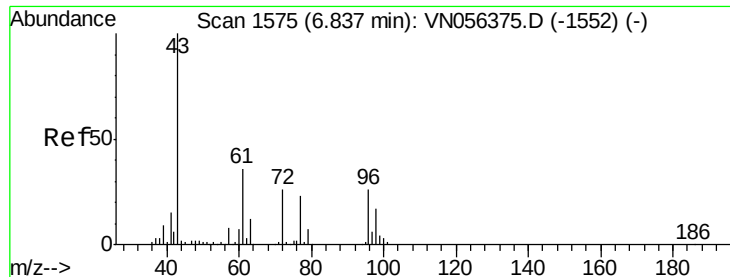
MMDadoda
 6/26/2019 8:14:22 AM



#24
 1,1-Dichloroethane
 Concen: 49.868 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion: 63 Resp: 356084
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 250.031 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 740129

Ion Ratio Lower Upper

43 100

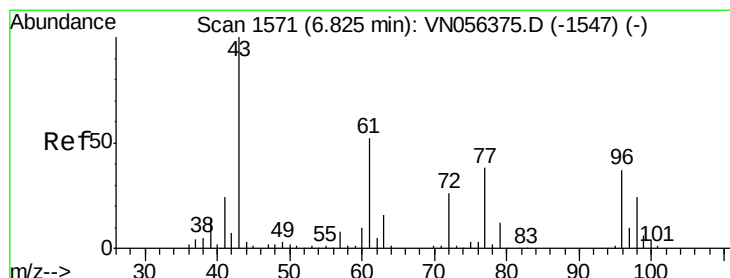
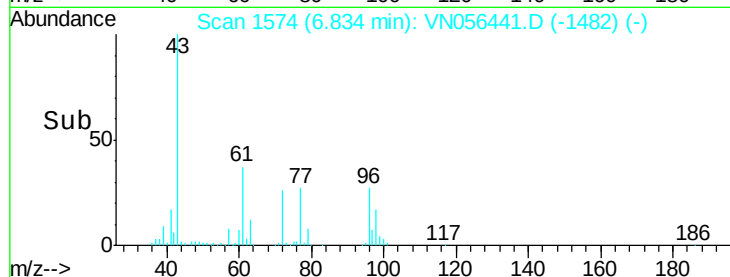
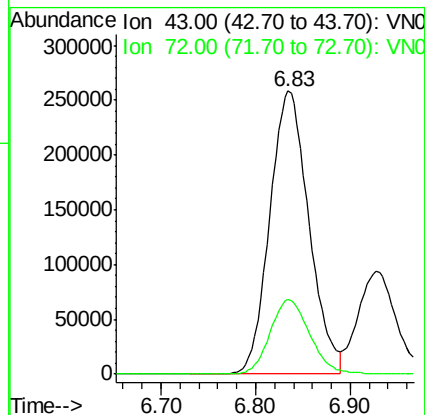
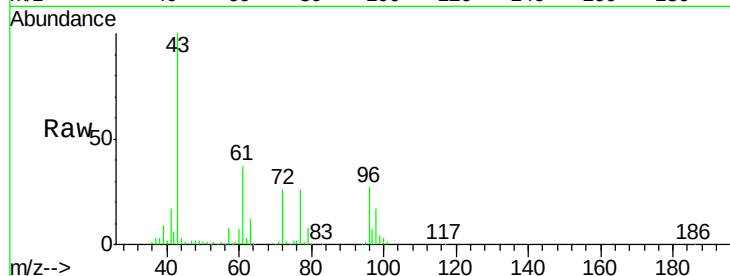
72 26.4 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 54.535 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056441.D

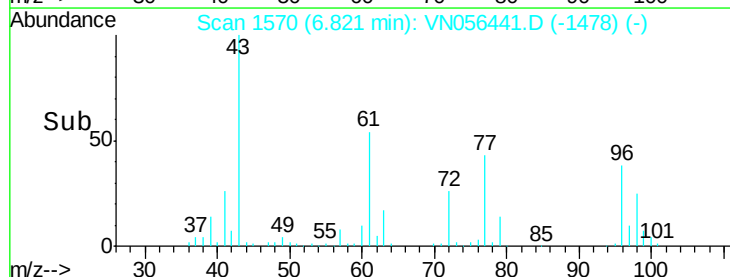
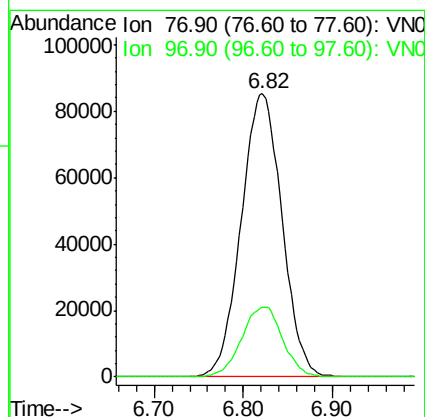
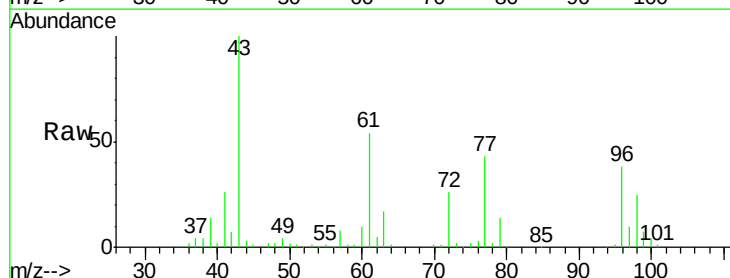
Acq: 24 Jun 2019 9:21

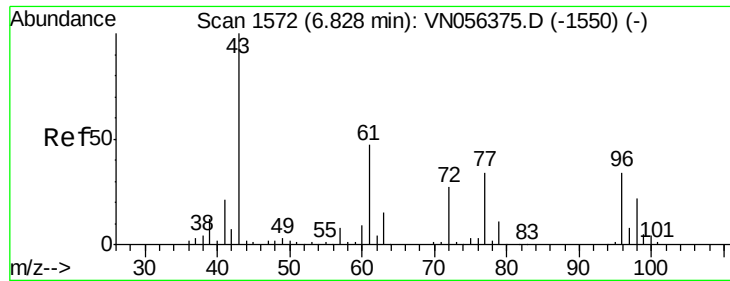
Tgt Ion: 77 Resp: 270834

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.038 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

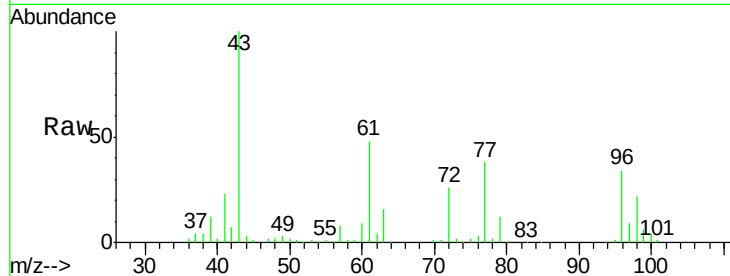
ClientSampleId :

VSTDCCC050

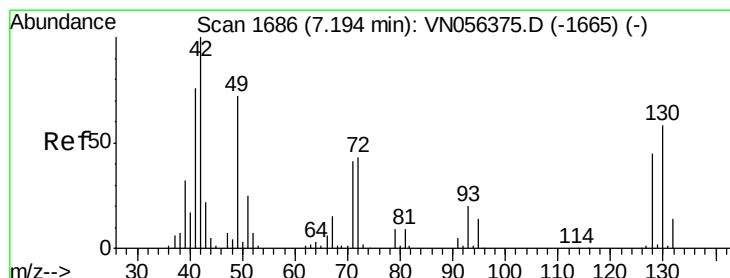
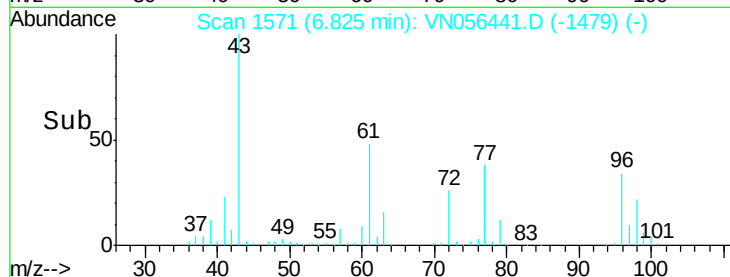
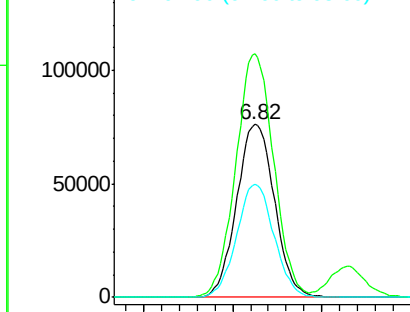
Tot Ion:	96	Resp:	224582
Ion Ratio	Lower	Upper	
96	100		
61	140.8	0.0	279.8
98	64.5	0.0	130.0

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



#28

Bromochloromethane

Concen: 49.897 ug/l

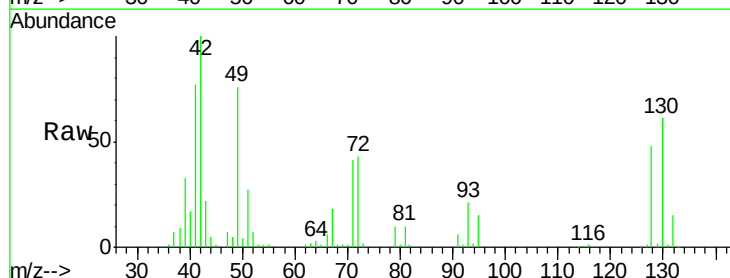
RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

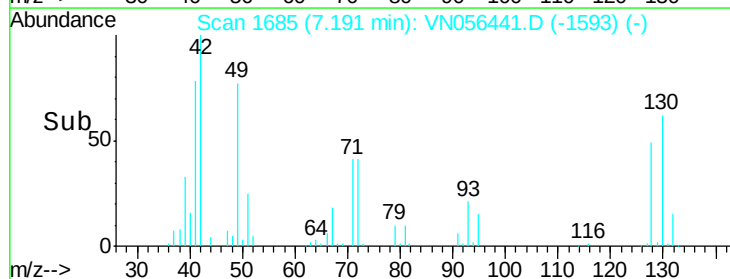
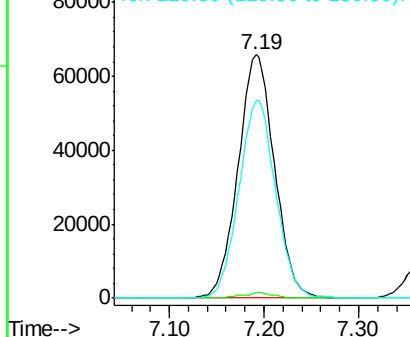
Lab File: VN056441.D

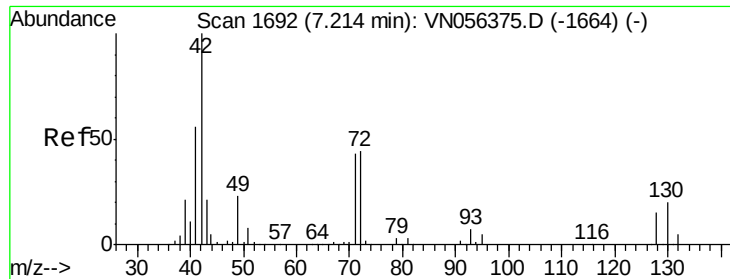
Acq: 24 Jun 2019 9:21

Tgt Ion:	49	Resp:	176232
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.2
130	81.7	64.9	97.3



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





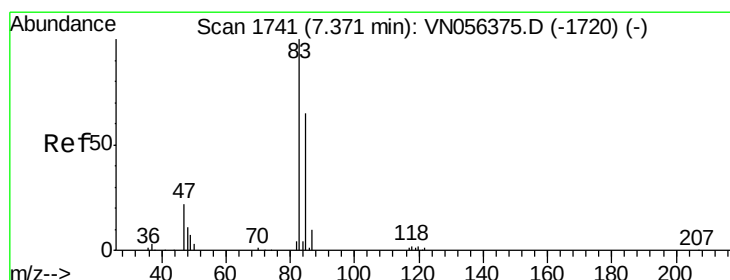
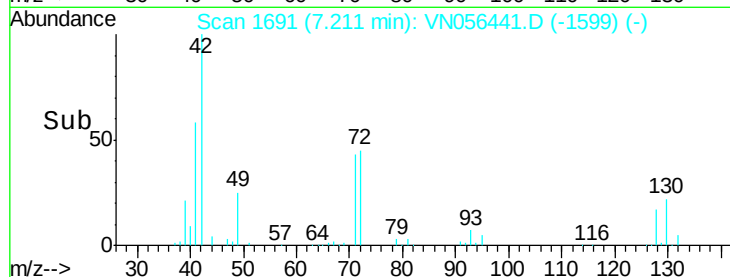
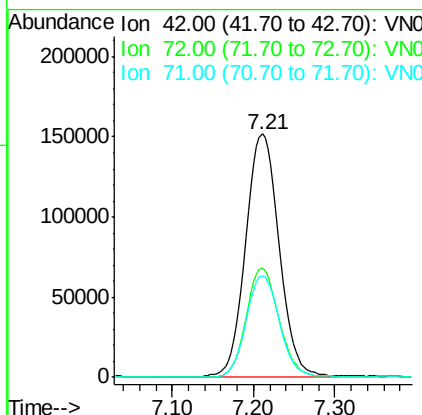
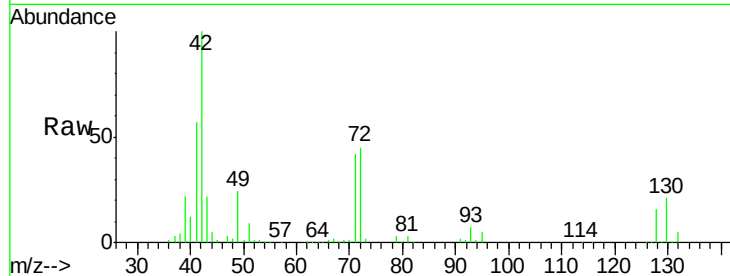
#29
Tetrahydrofuran
Concen: 237.849 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.7	52.1
71	41.6	33.0	49.6

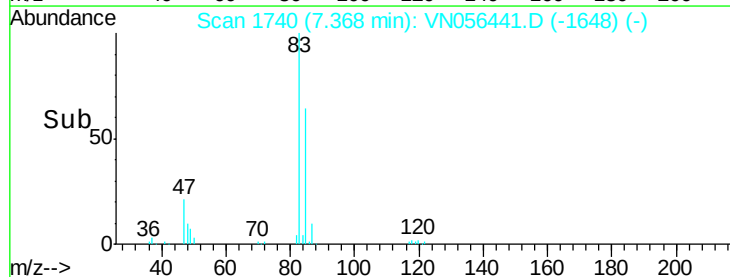
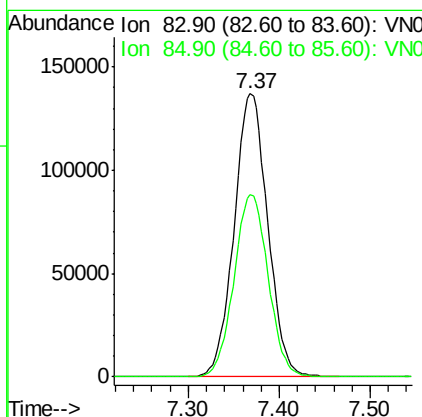
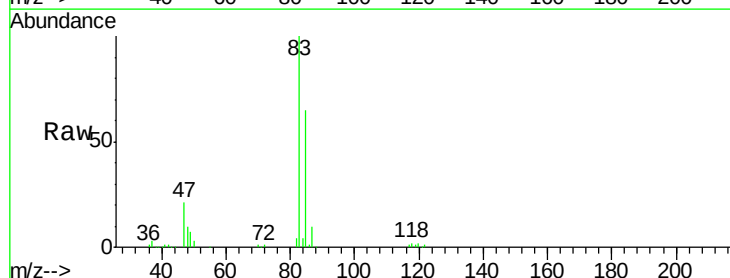
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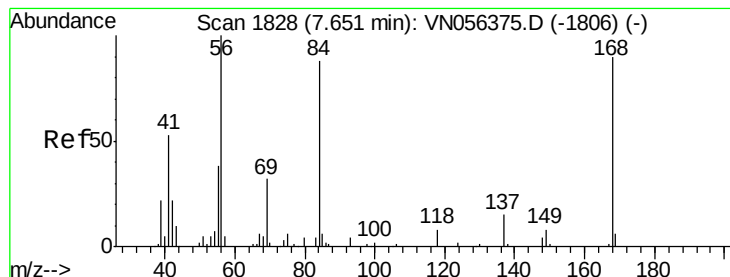
MMDadoda
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#30
Chloroform
Concen: 49.864 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





#31

Cyclohexane

Concen: 46.391 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 319796

Ion Ratio Lower Upper

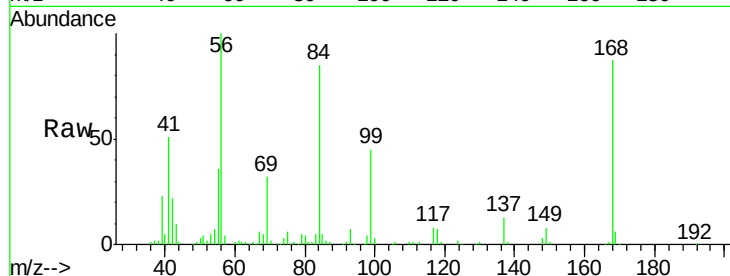
56 100

69 32.0 25.8 38.6

84 84.5 69.4 104.0

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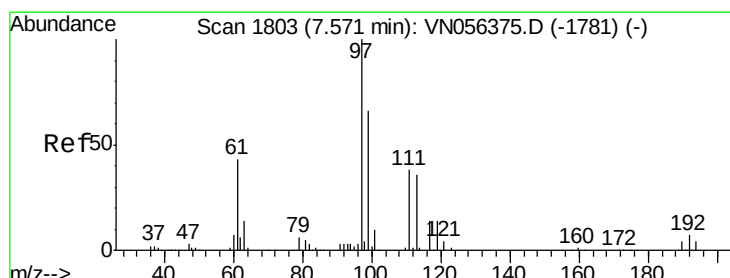
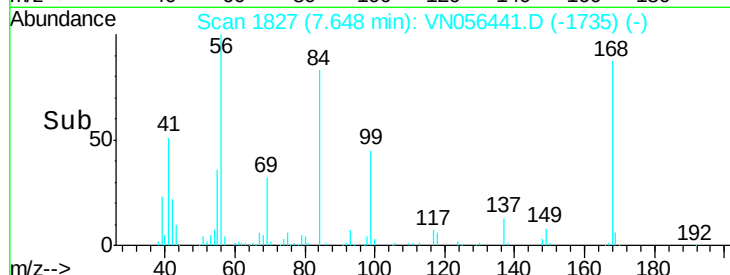
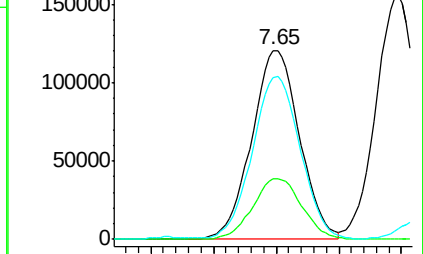


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 52.010 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

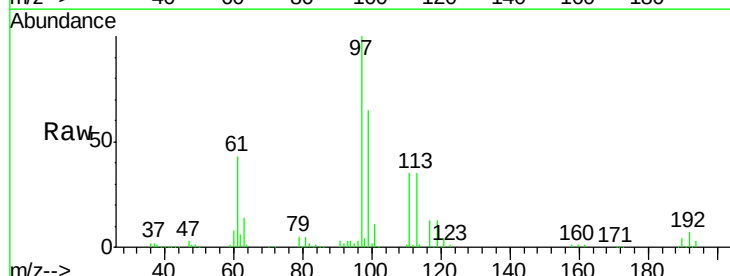
Tgt Ion: 97 Resp: 290476

Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.6

61 42.8 33.9 50.9

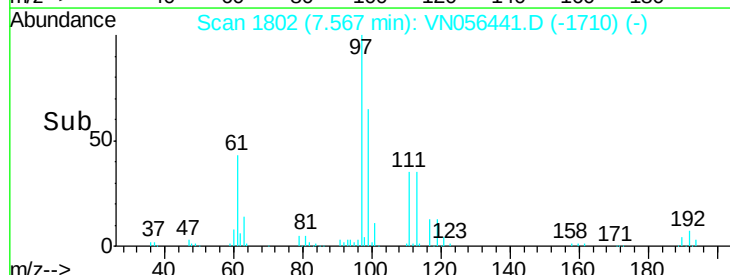
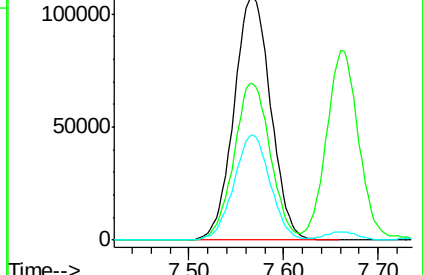


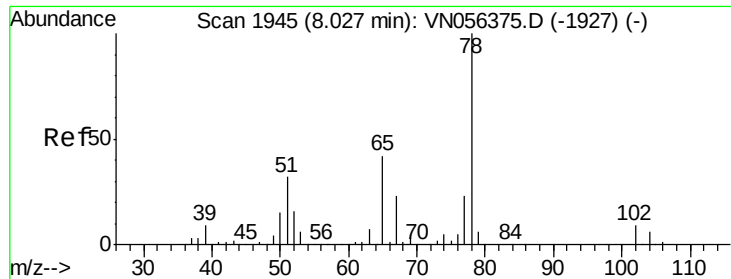
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





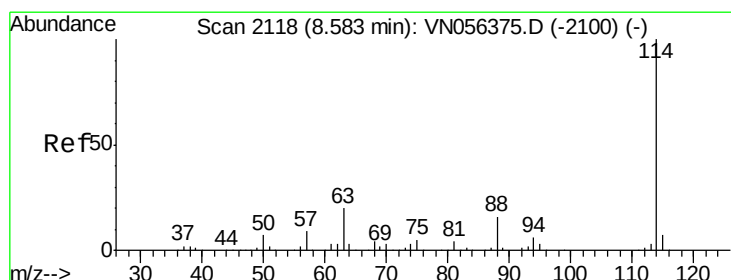
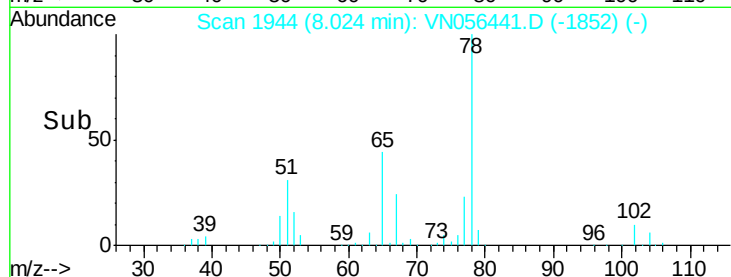
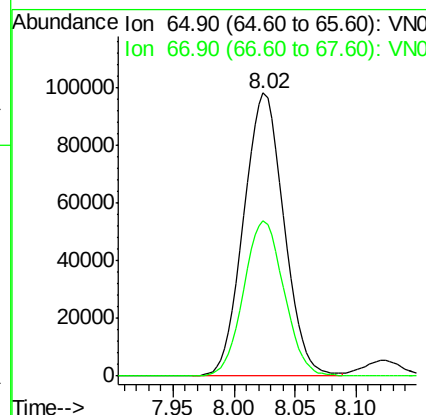
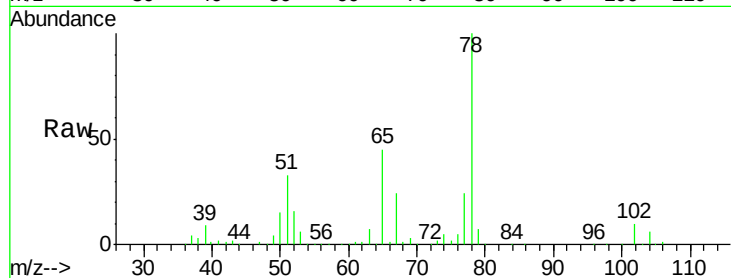
#33
 1,2-Dichloroethane-d4
 Concen: 50.384 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224923		
67	54.8	0.0	109.0	

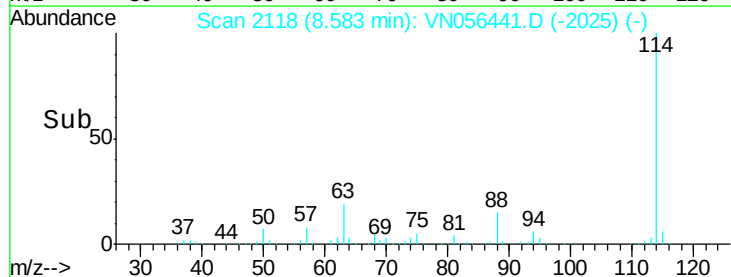
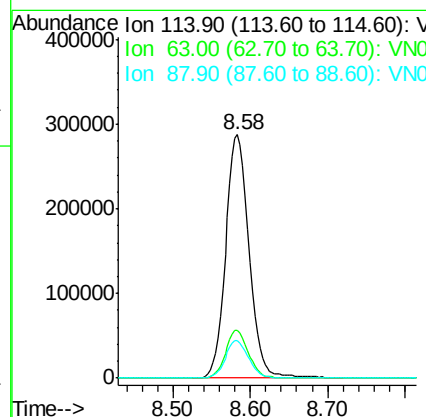
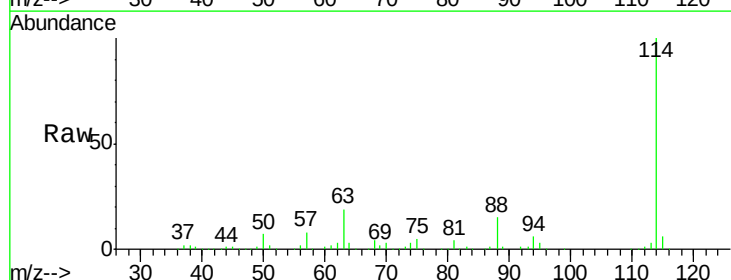
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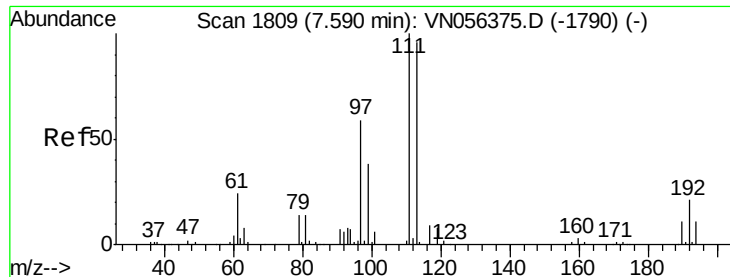
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	604993		
63	19.4	0.0	39.2	
88	15.2	0.0	31.4	





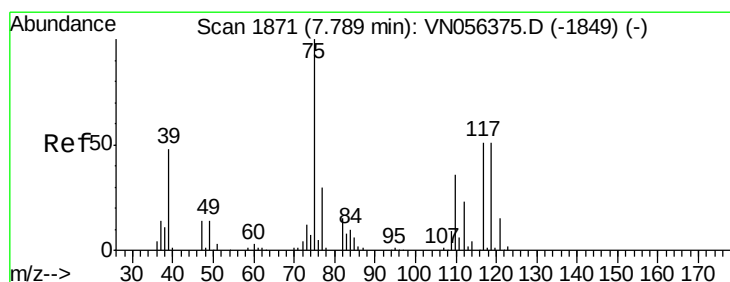
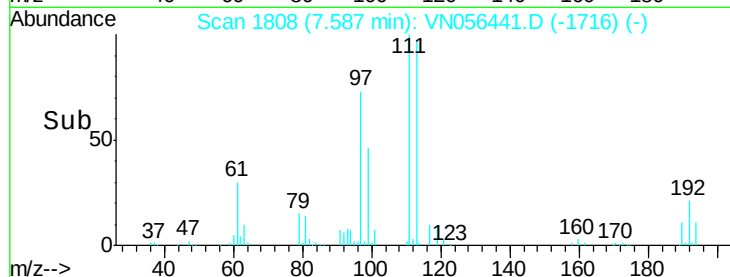
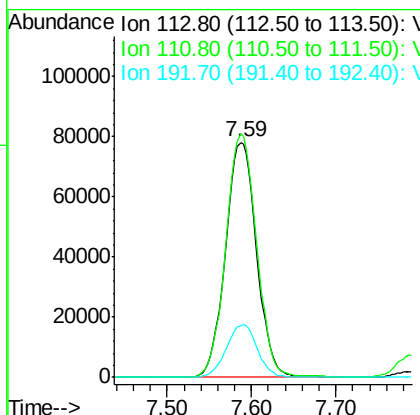
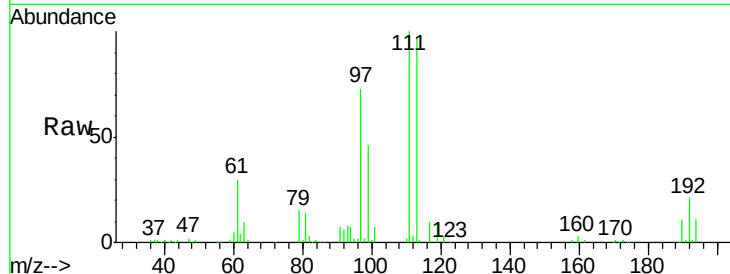
#35
 Dibromofluoromethane
 Concen: 52.955 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199860		
111	103.0	82.9	124.3	
192	22.2	17.7	26.5	

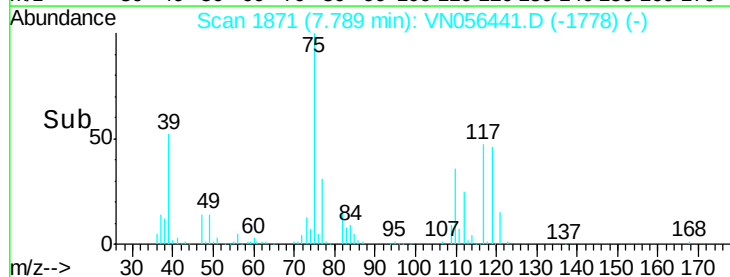
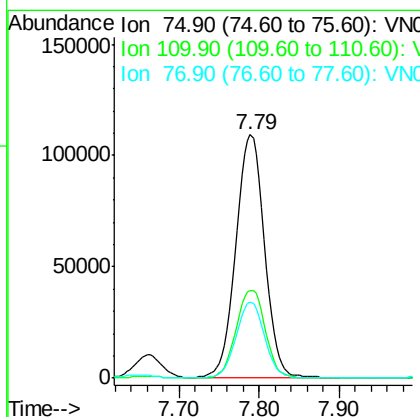
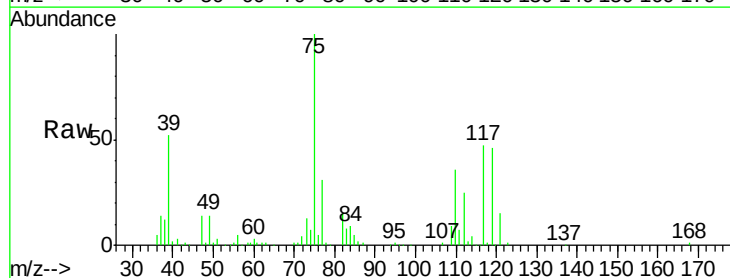
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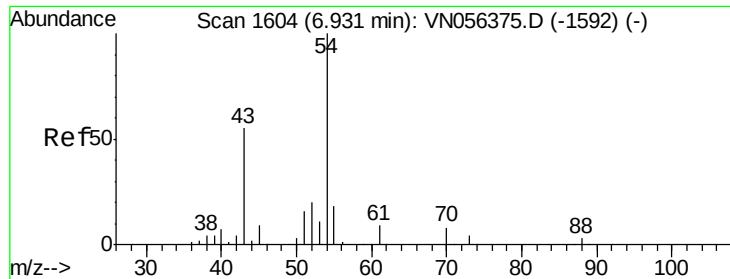
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.359 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262838		
110	37.1	18.1	54.3	
77	31.2	24.6	36.8	





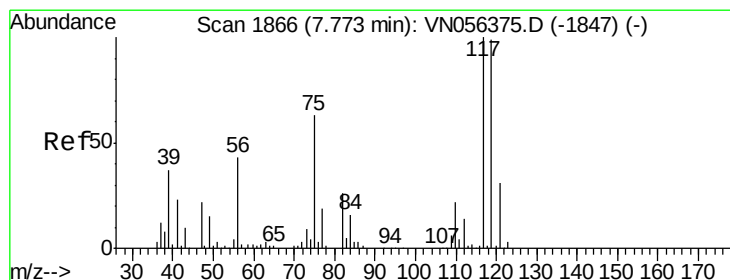
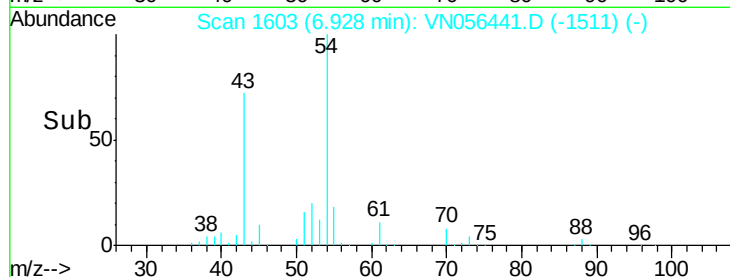
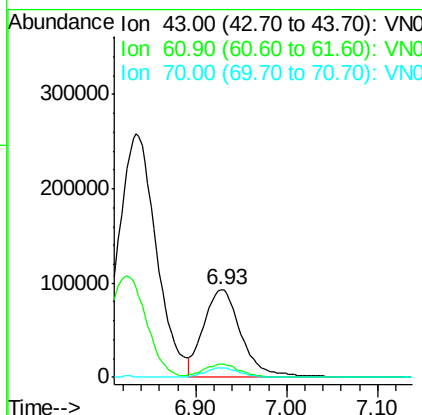
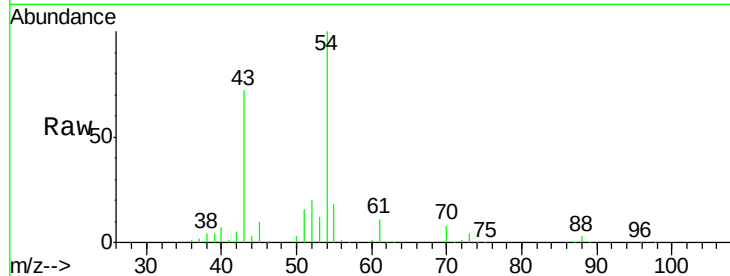
#37
Ethyl Acetate
Concen: 50.185 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.1	16.7
70	9.9	8.3	12.5

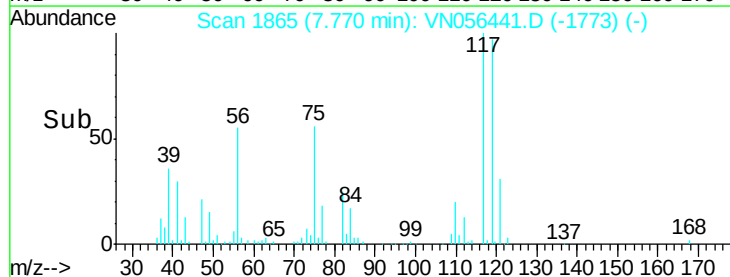
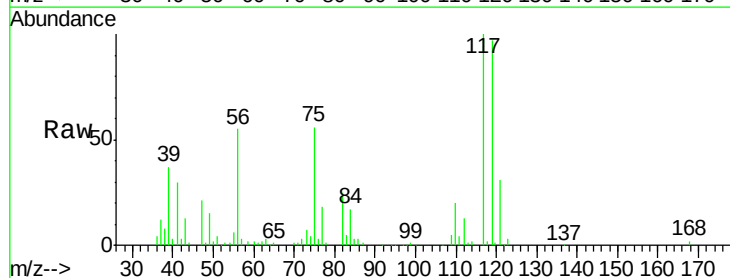
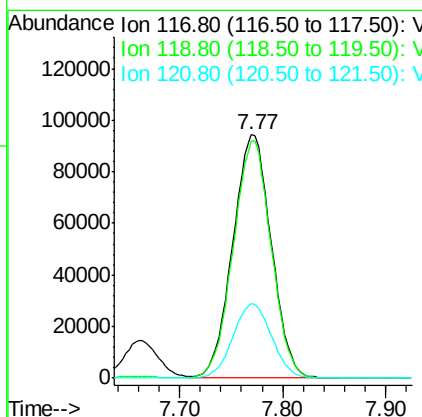
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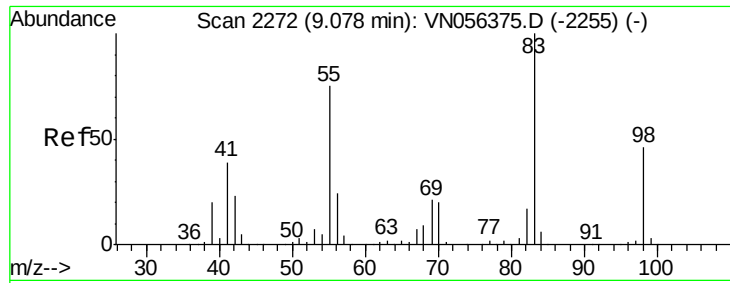
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#38
Carbon Tetrachloride
Concen: 52.656 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.1	118.7
121	30.5	24.8	37.2





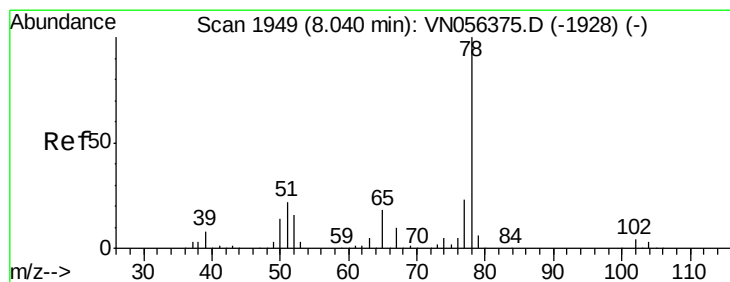
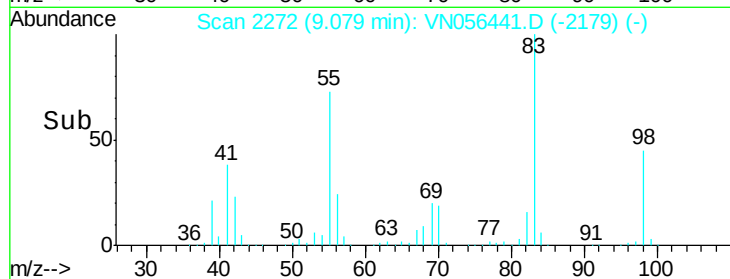
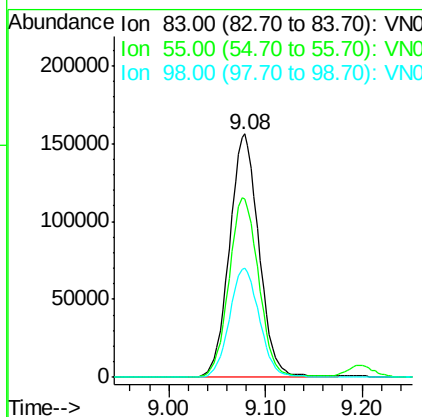
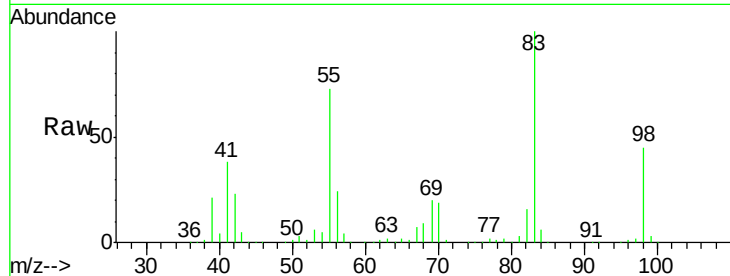
#39
Methylvlcyclohexane
Concen: 50.233 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	60.0	90.0
98	44.8	36.6	54.8

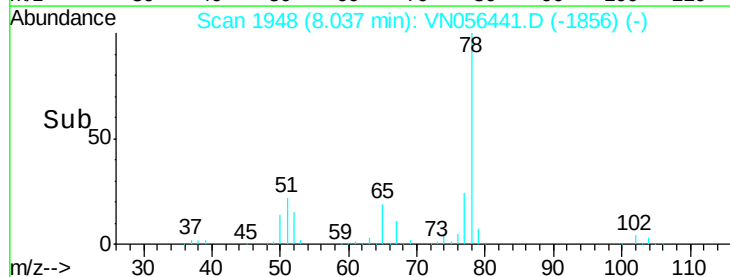
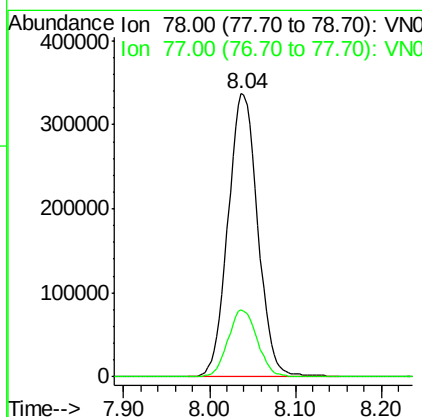
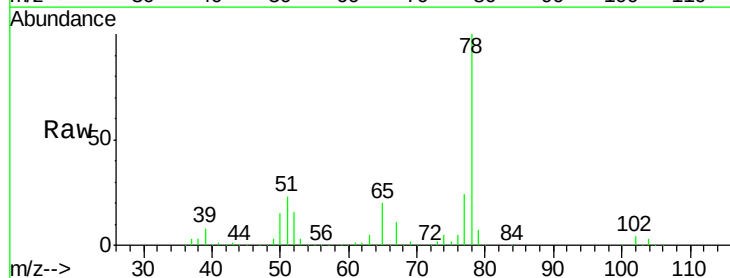
Manual Integrations
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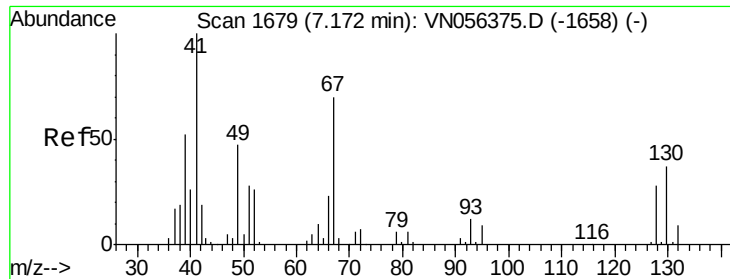
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#40
Benzene
Concen: 49.551 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





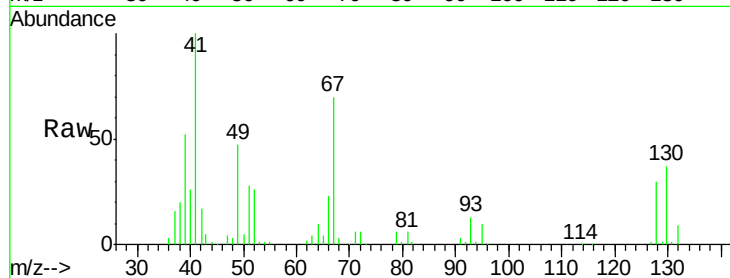
#41
Methacrylonitrile
Concen: 47.451 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

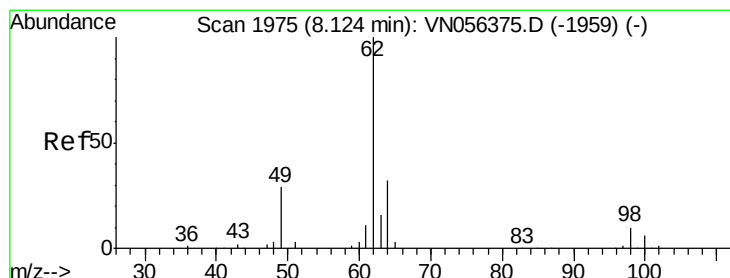
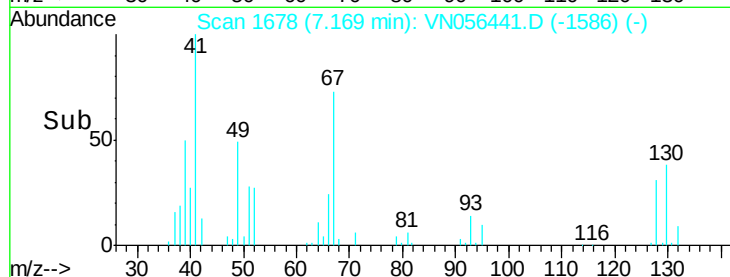
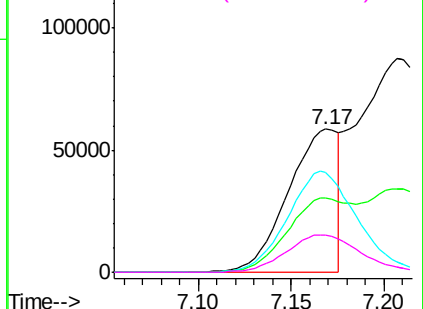
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.4	55.3	82.9	
67	98.8	79.2	118.8	
52	38.0	31.4	47.0	

Manual Integrations
APPROVED

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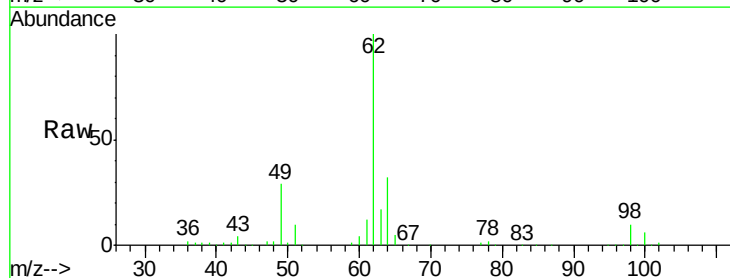


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

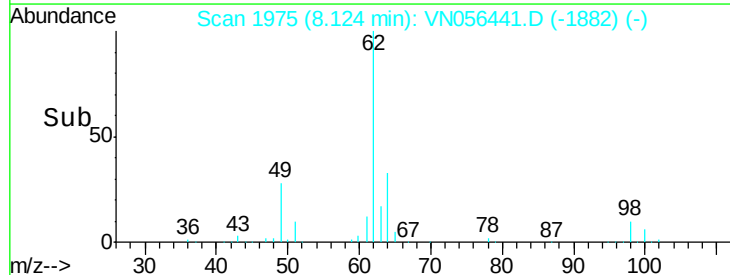
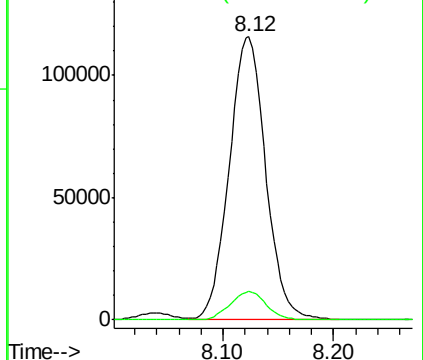


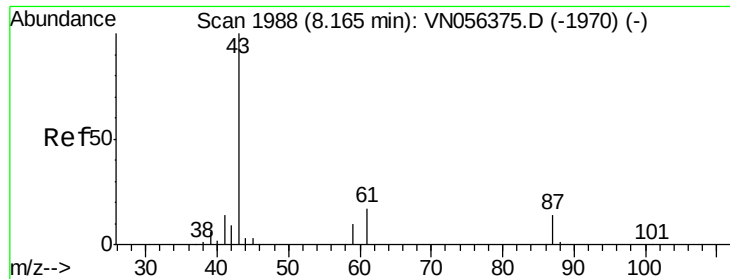
#42
1,2-Dichloroethane
Concen: 48.815 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.4	



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





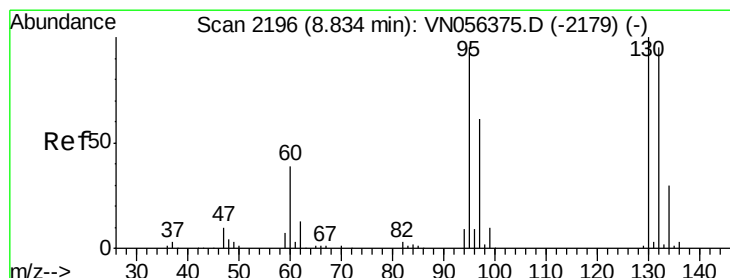
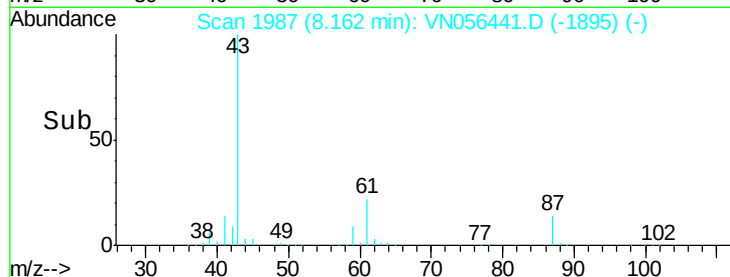
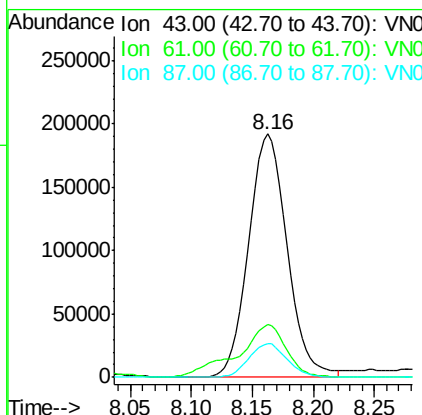
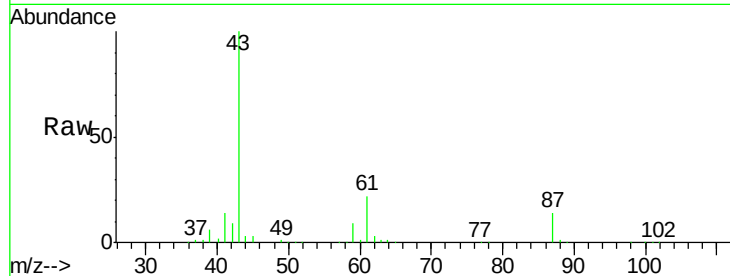
#43
Isopropyl Acetate
Concen: 51.720 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.0	33.0
87	13.9	11.0	16.4

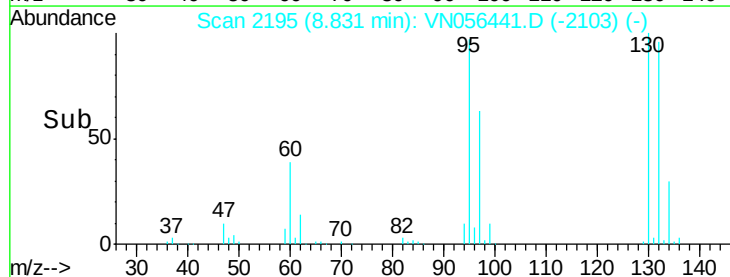
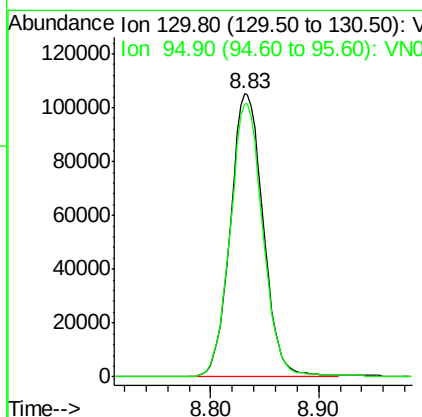
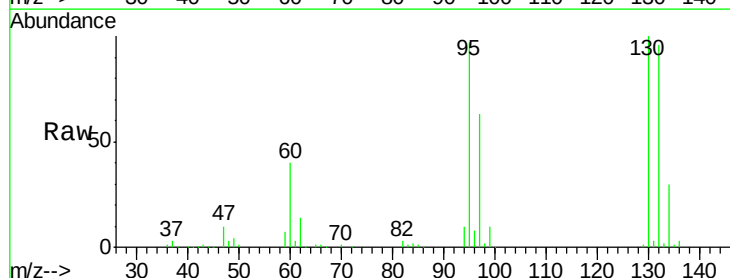
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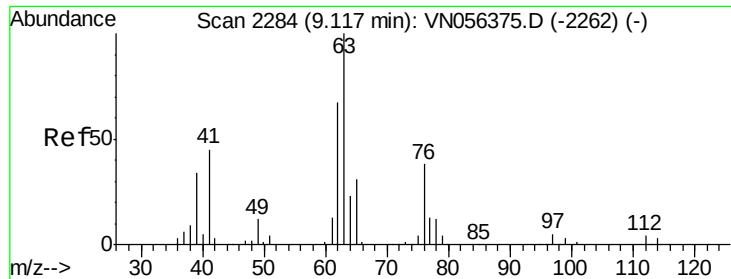
MMDadoda
6/26/2019 8:14:22 AM



#44
Trichloroethene
Concen: 50.597 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	191.0





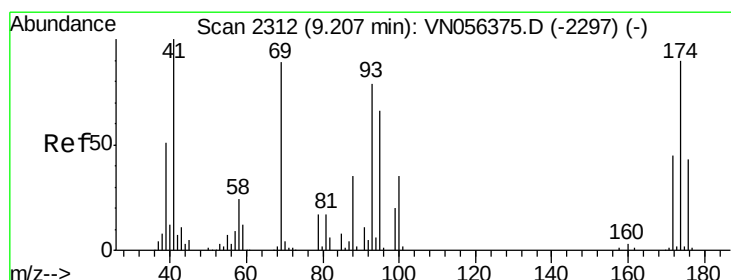
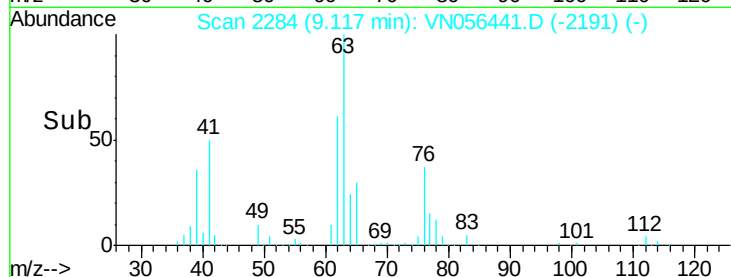
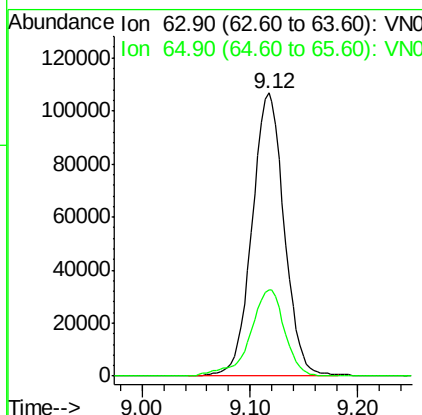
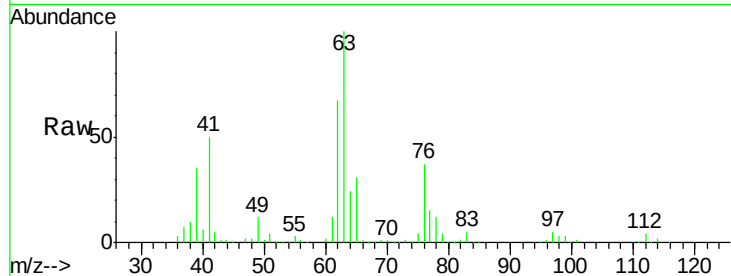
#45
 1,2-Dichloropropane
 Concen: 50.431 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 220914
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

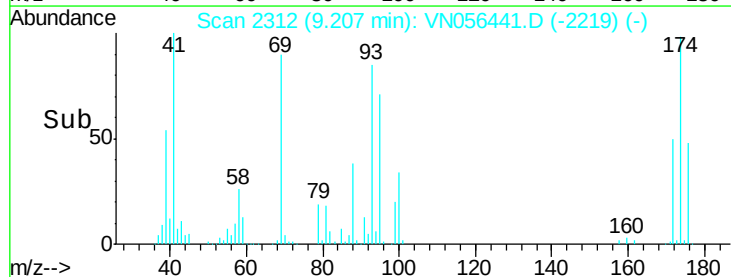
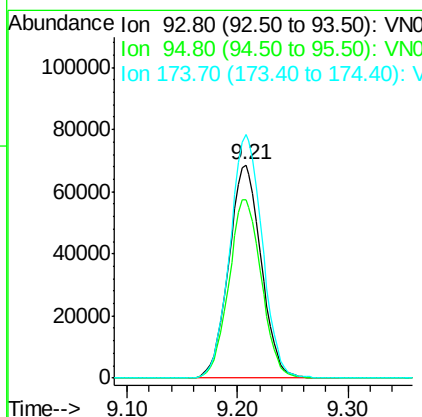
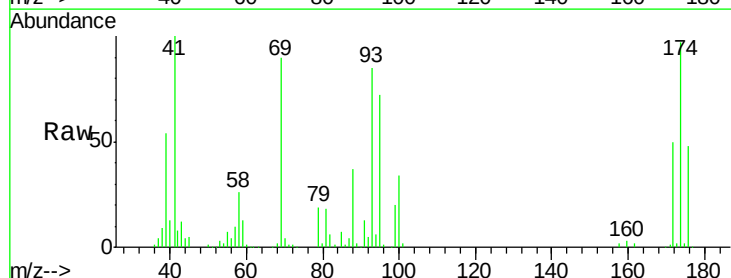
Manual Integrations
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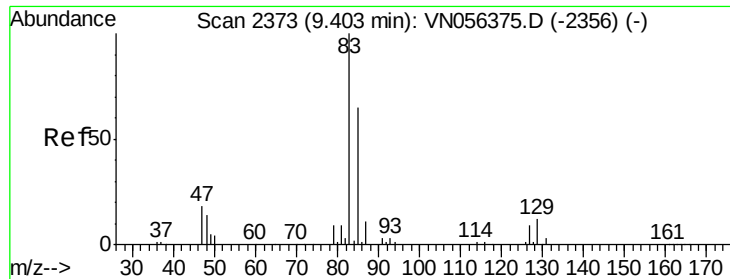
MMDadoda
 6/26/2019 8:14:22 AM



#46
 Dibromomethane
 Concen: 51.107 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion: 93 Resp: 140067
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.2
 174 113.6 90.8 136.2





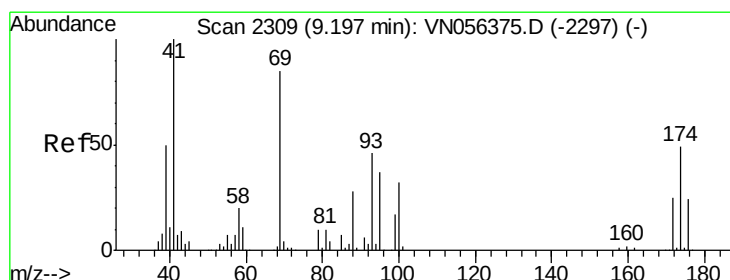
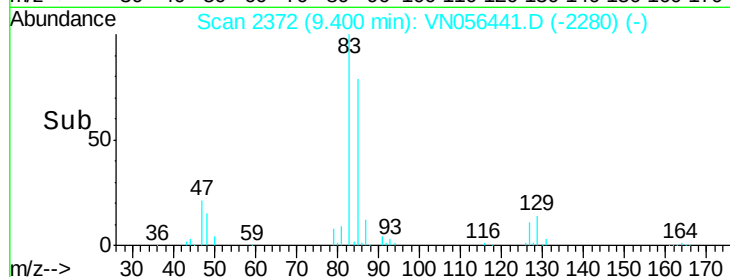
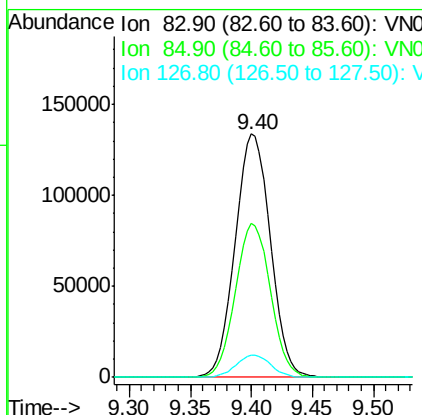
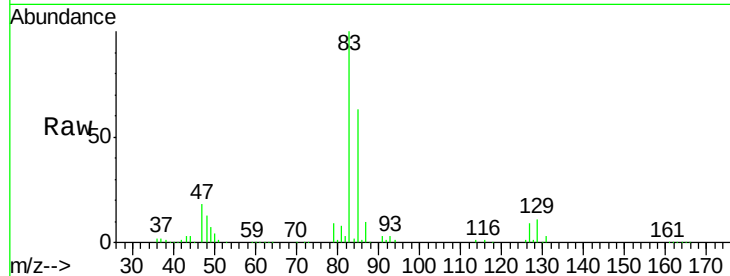
#47
Bromodichloromethane
Concen: 54.994 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	267308
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.2	78.4
127	8.9	7.3	10.9

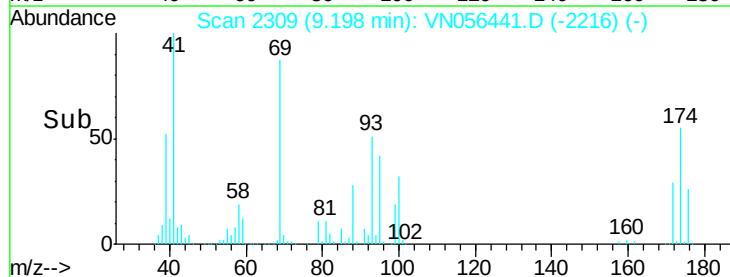
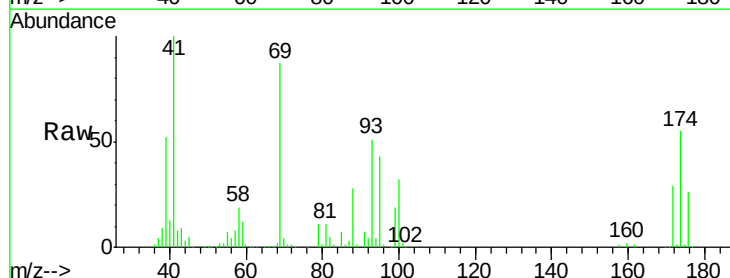
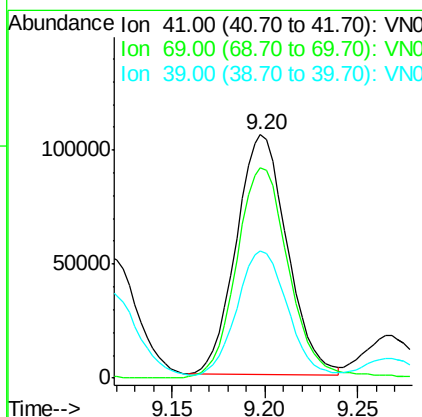
Manual Integrations
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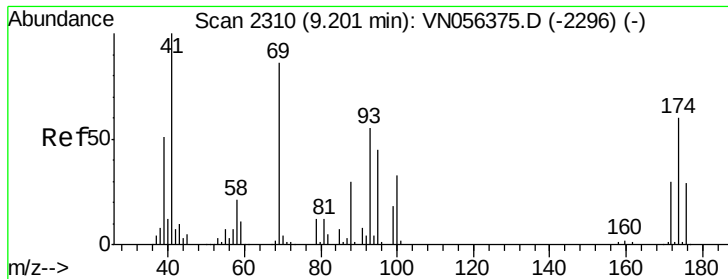
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#48
Methyl methacrylate
Concen: 49.368 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	41	Resp	199628
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	72.6	109.0
39	53.8	42.6	63.8





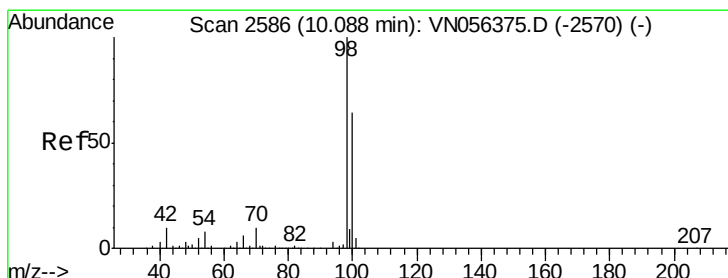
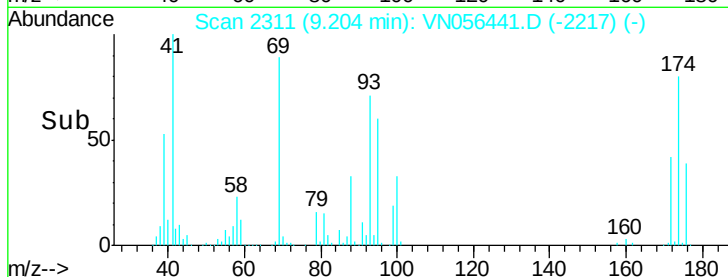
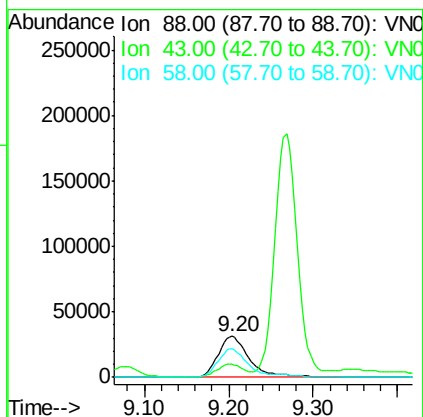
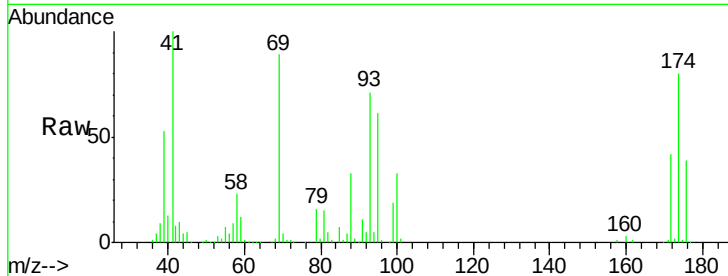
#49
1,4-Dioxane
Concen: 957.889 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	80382
Ion	Ratio	Lower	Upper
88	100		
43	27.2	22.0	33.0
58	70.0	51.8	77.8

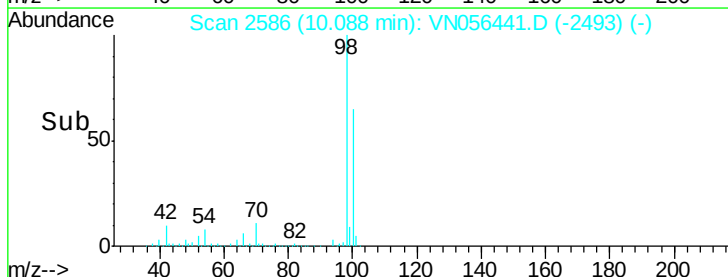
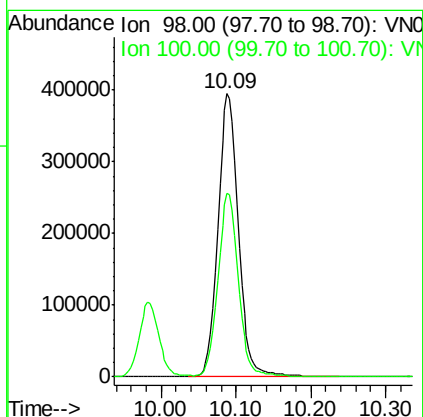
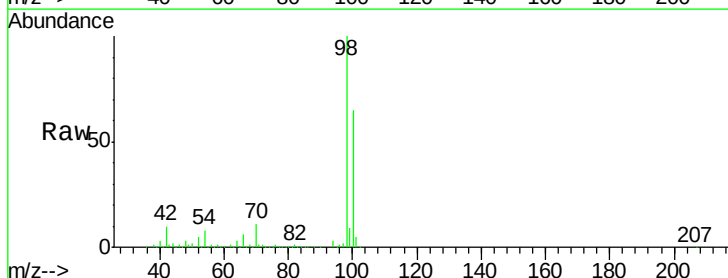
Manual Integrations
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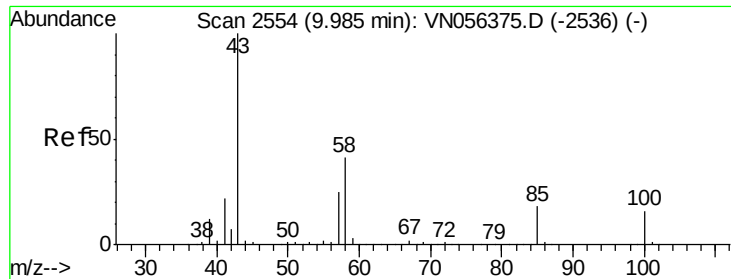
MMDadoda
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#50
Toluene-d8
Concen: 50.884 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	98	Resp	747258
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 245.411 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1278161

Ion Ratio Lower Upper

43 100

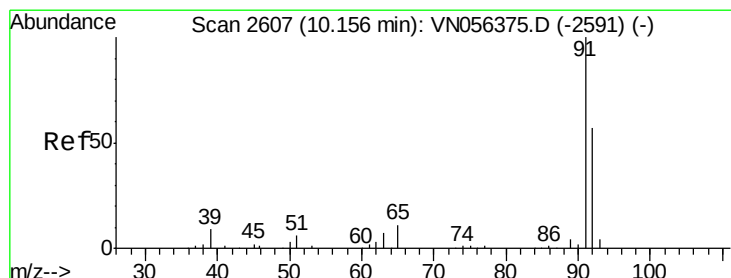
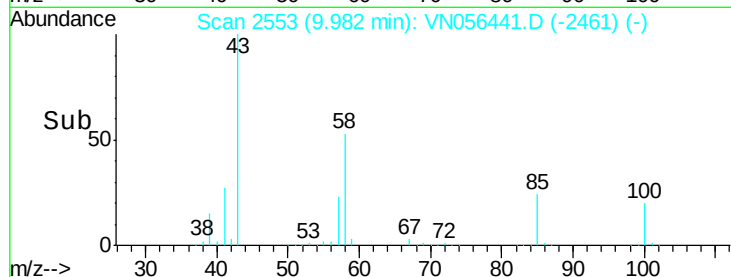
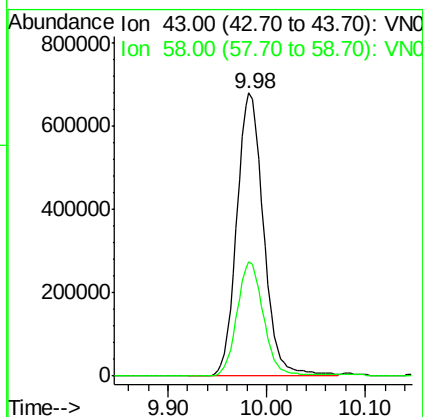
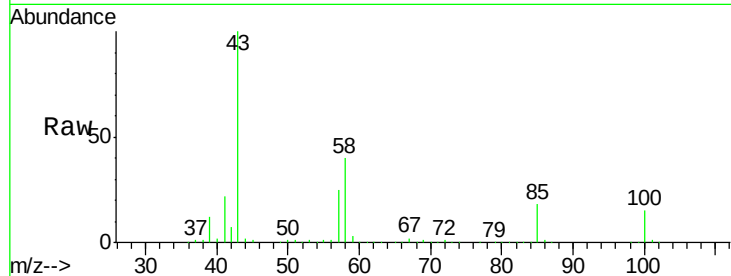
58 39.9 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 50.641 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056441.D

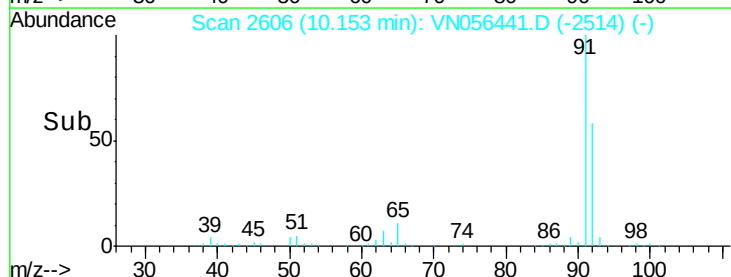
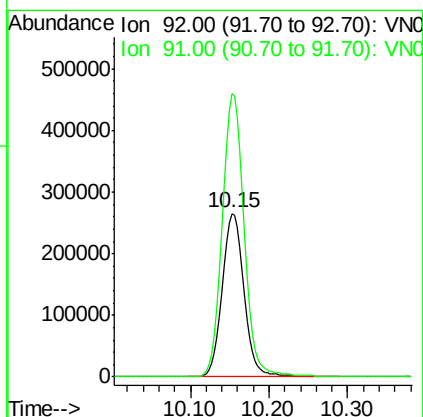
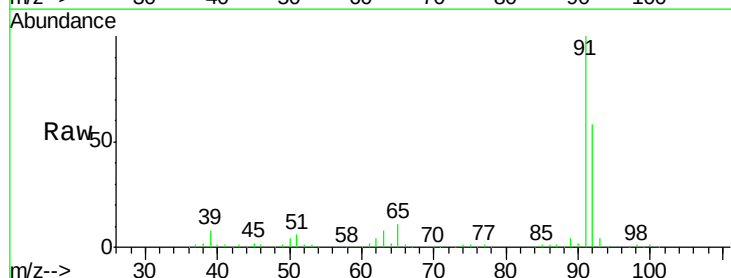
Acq: 24 Jun 2019 9:21

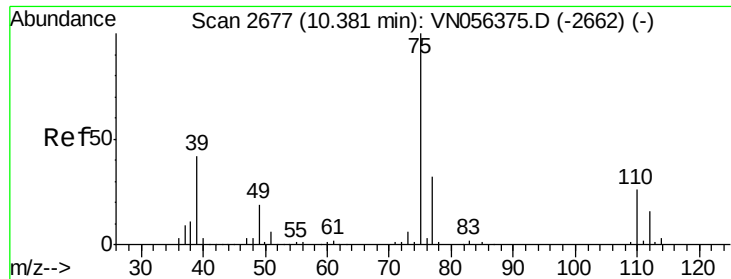
Tgt Ion: 92 Resp: 507128

Ion Ratio Lower Upper

92 100

91 174.0 140.6 211.0





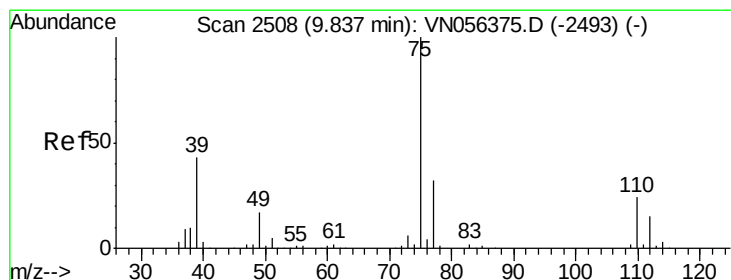
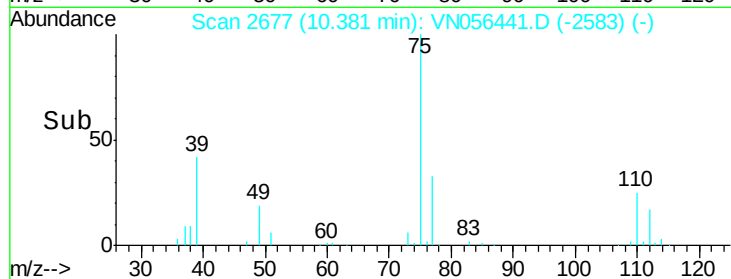
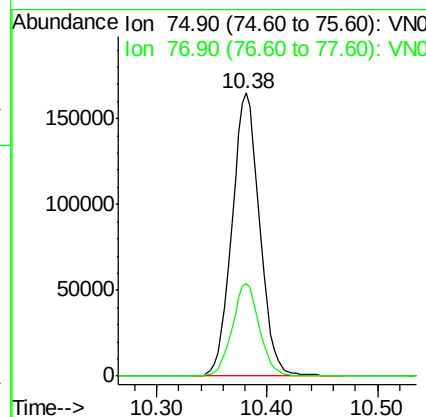
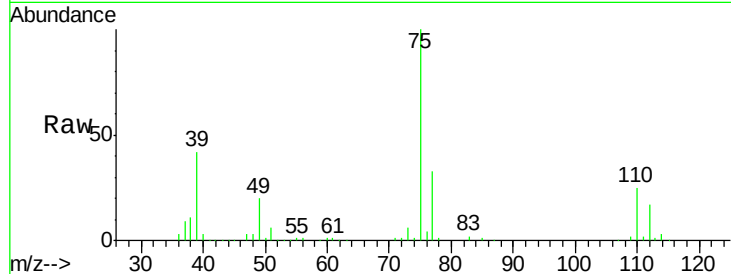
#53
t-1,3-Dichloropropene
Concen: 50.507 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 286114
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

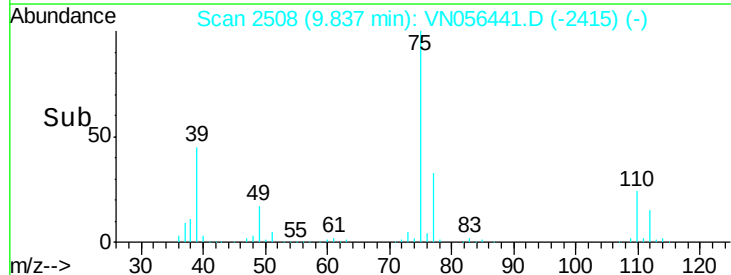
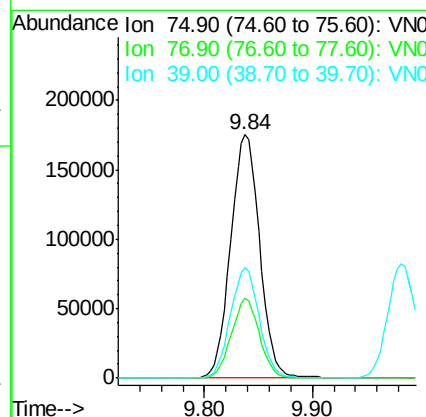
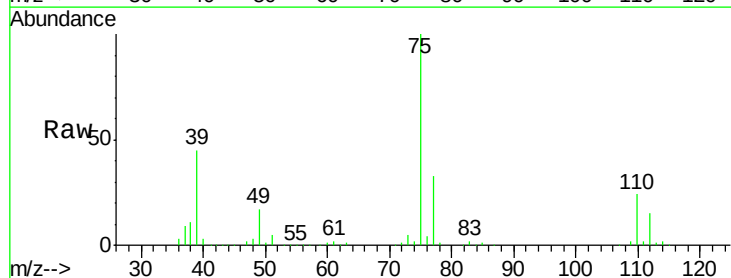
Manual Integrations
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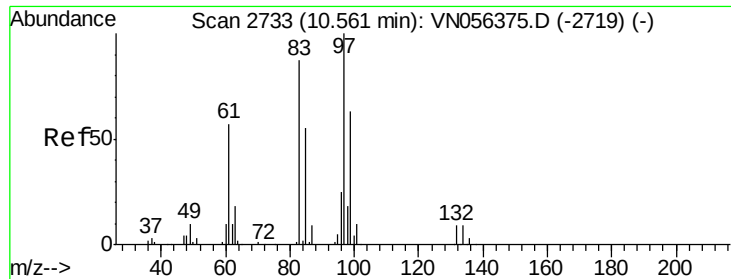
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#54
cis-1,3-Dichloropropene
Concen: 56.164 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion: 75 Resp: 328753
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8
39 45.1 34.2 51.4





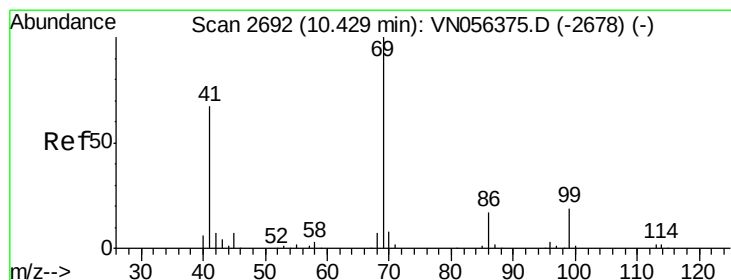
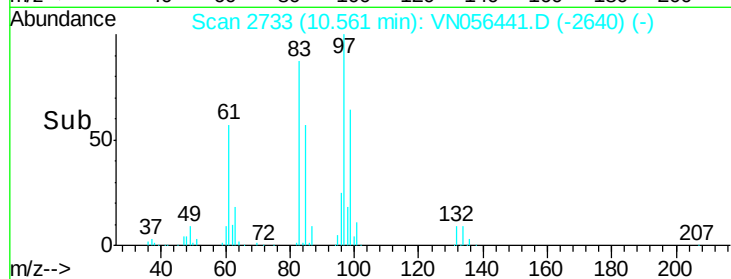
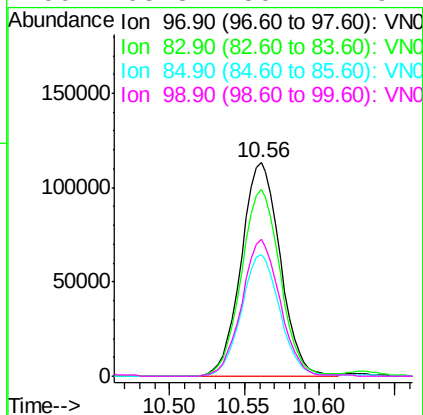
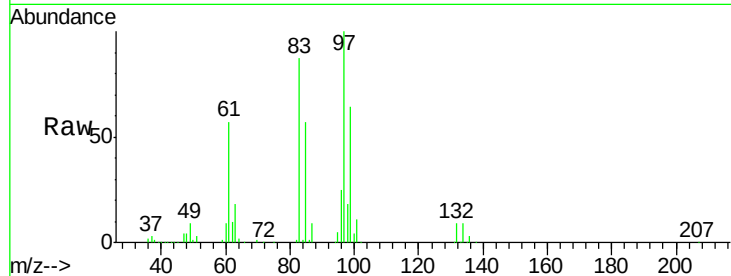
#55
 1,1,2-Trichloroethane
 Concen: 51.162 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	205943		
83	87.5	69.8	104.6	
85	57.2	43.8	65.8	
99	63.8	50.2	75.2	

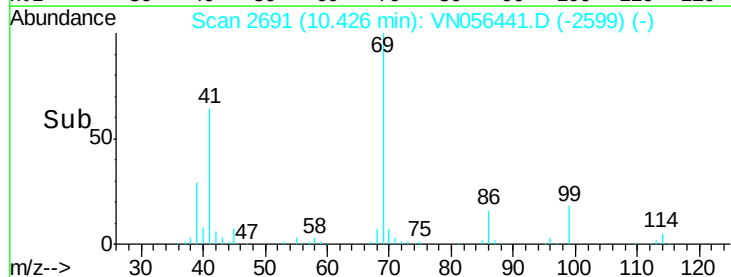
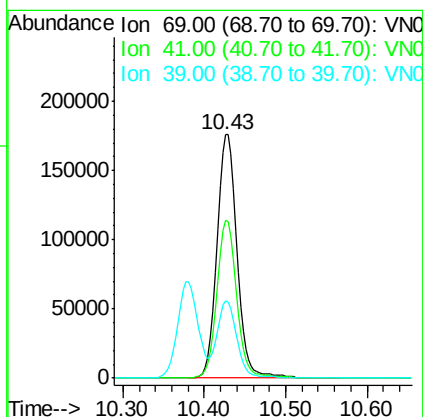
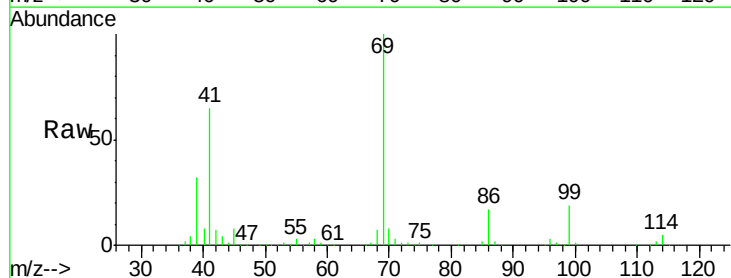
Manual Integrations
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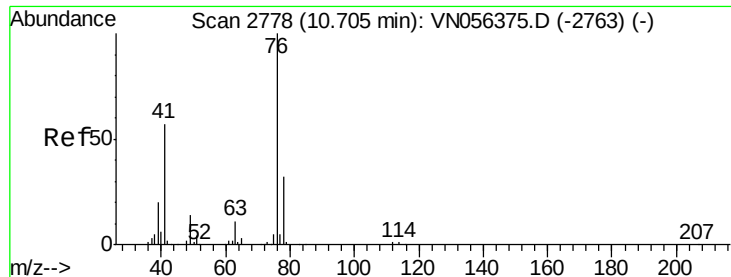
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.408 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	308298		
41	63.6	51.4	77.2	
39	31.5	24.7	37.1	





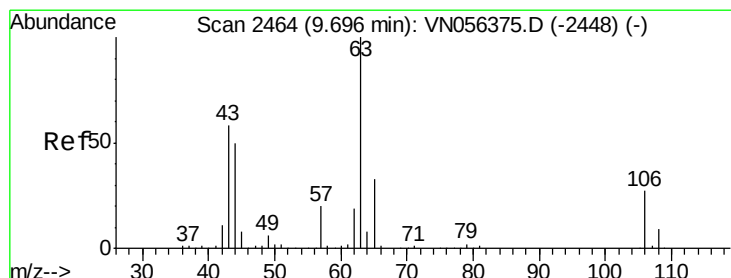
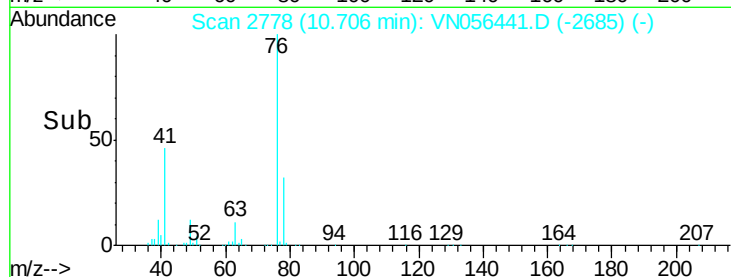
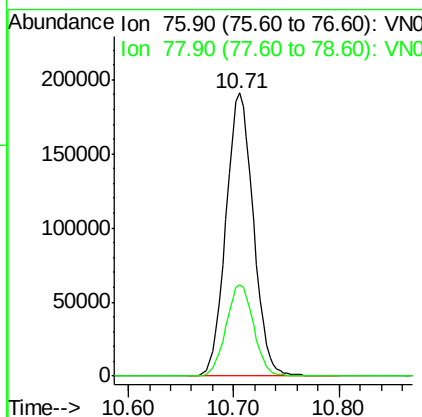
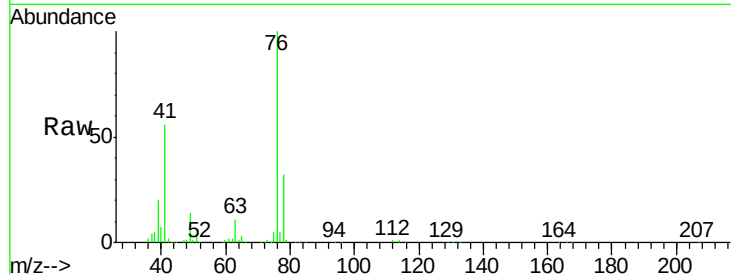
#57
 1,3-Dichloropropane
 Concen: 50.741 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

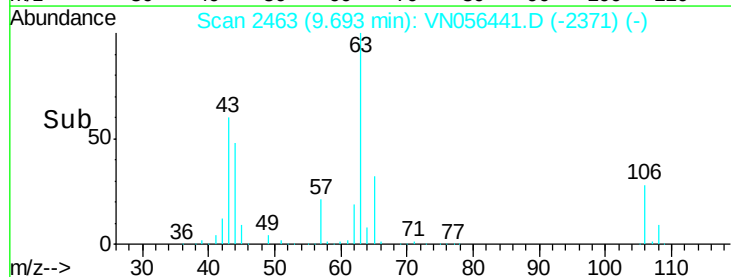
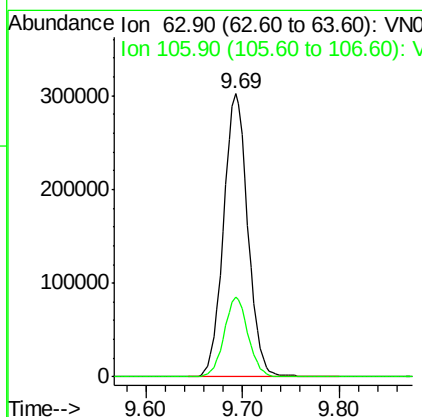
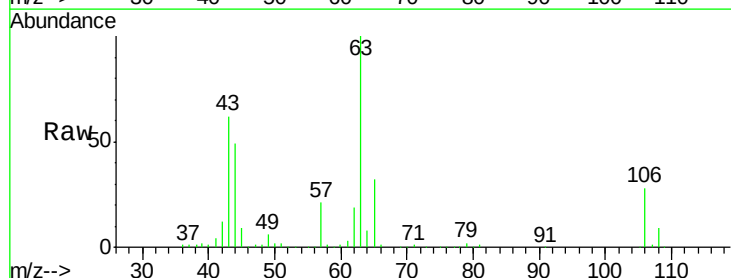
Manual Integrations
 APPROVED

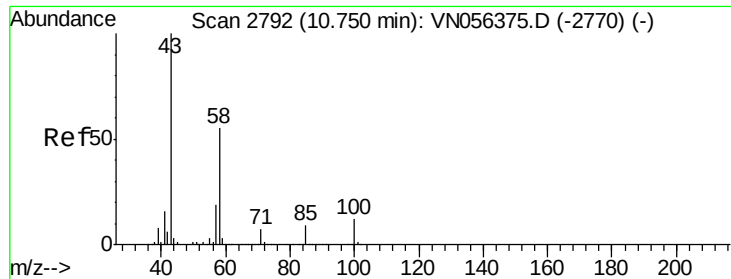
MMDadoda
 6/26/2019 8:14:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.416 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4





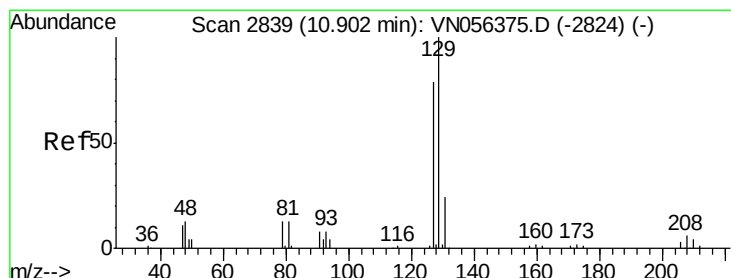
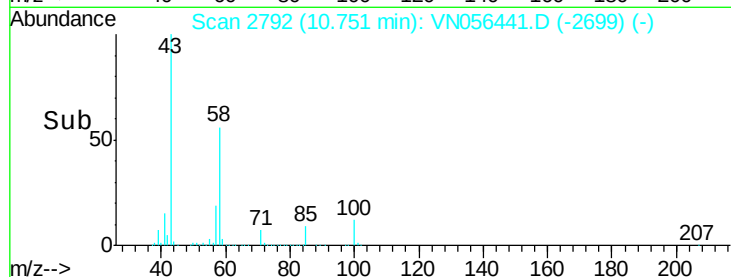
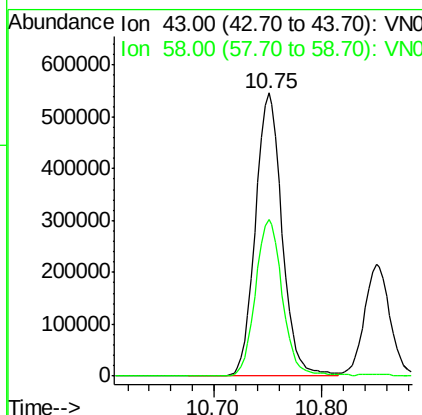
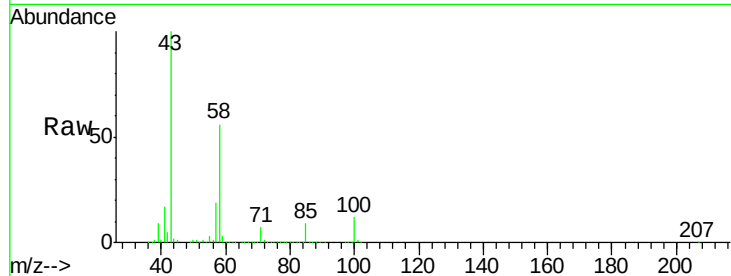
#59
2-Hexanone
Concen: 244.007 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	934032
Ion Ratio	100	Lower	Upper
43	100		
58	56.0	27.8	83.4

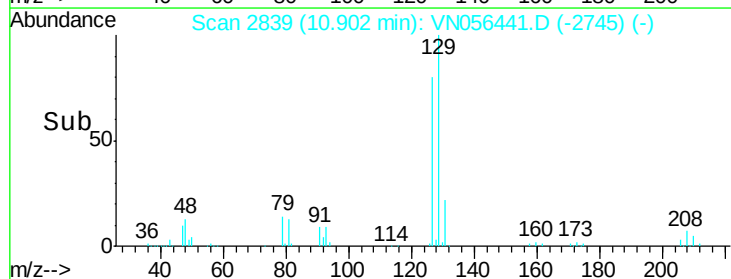
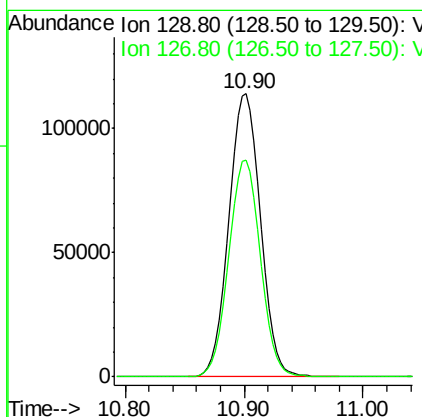
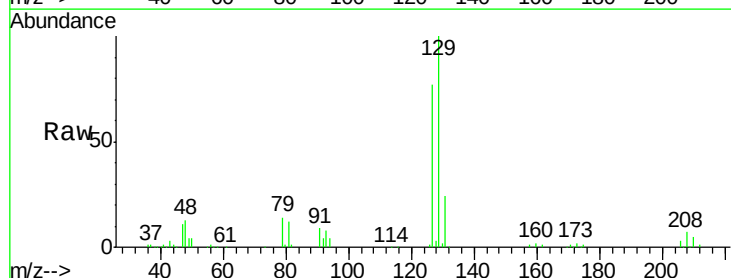
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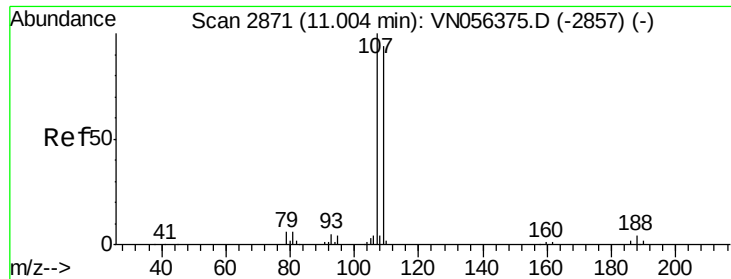
MMDadoda
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#60
Dibromochloromethane
Concen: 50.873 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	129	Resp	210668
Ion Ratio	100	Lower	Upper
129	100		
127	76.7	38.9	116.7





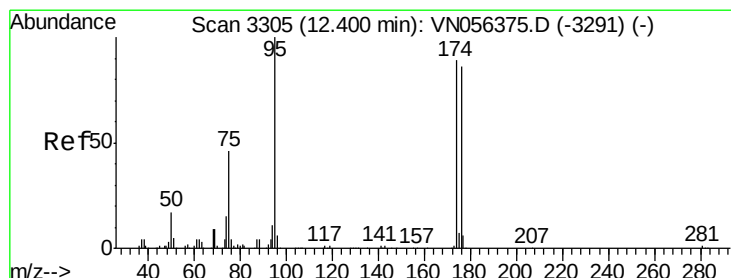
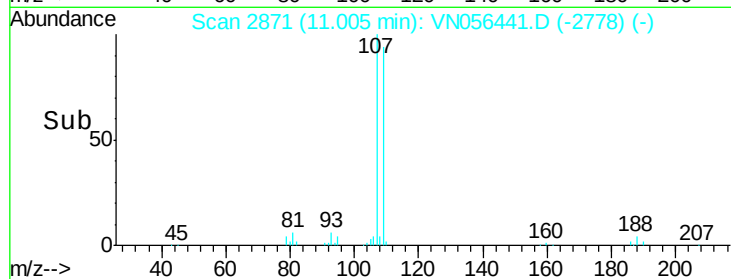
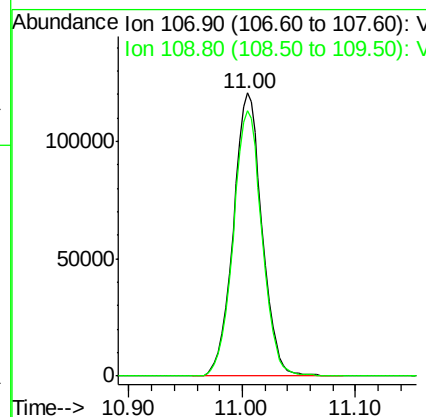
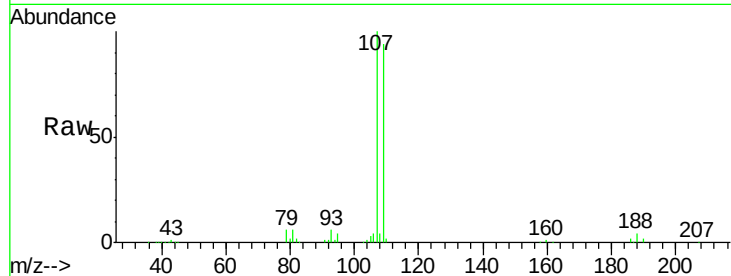
#61
 1,2-Dibromoethane
 Concen: 51.528 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.3	112.9

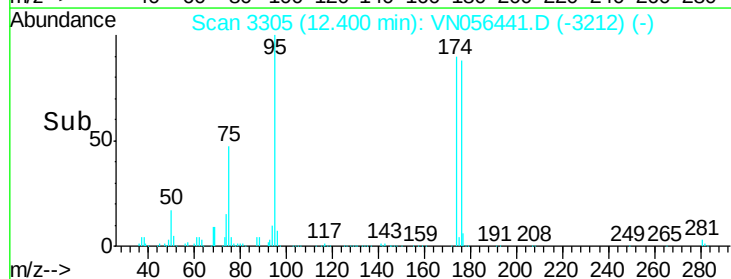
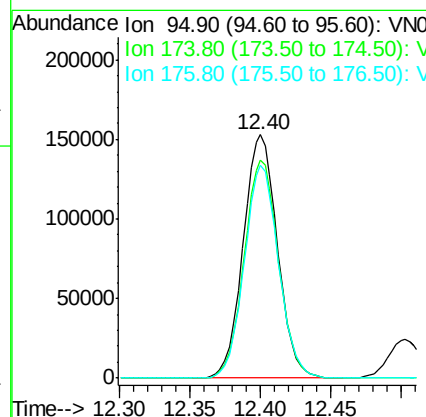
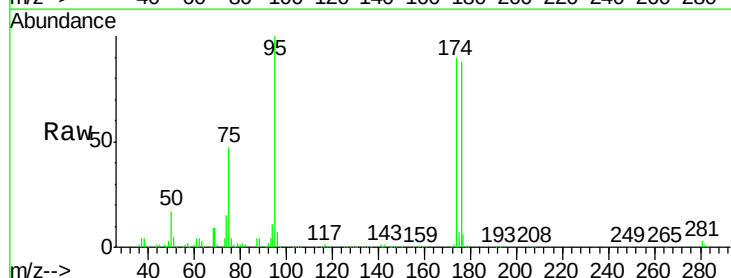
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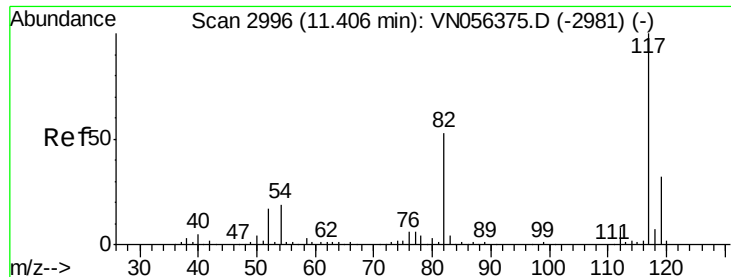
MMDadoda
 6/26/2019 8:14:22 AM



#62
 4-Bromofluorobenzene
 Concen: 53.094 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	179.4
176	87.5	0.0	173.4





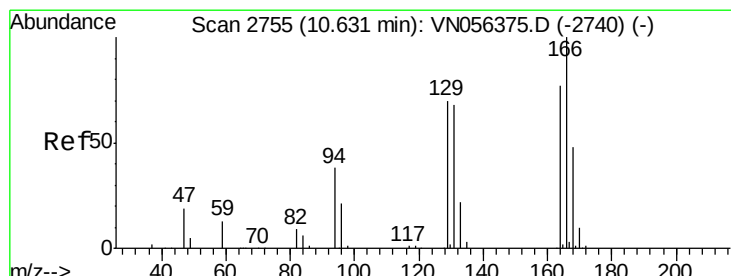
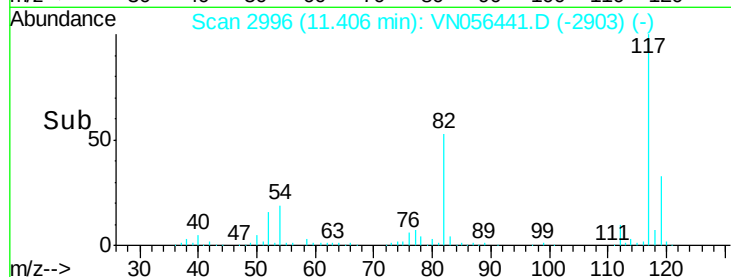
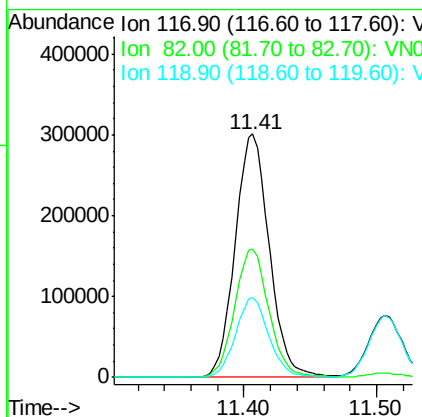
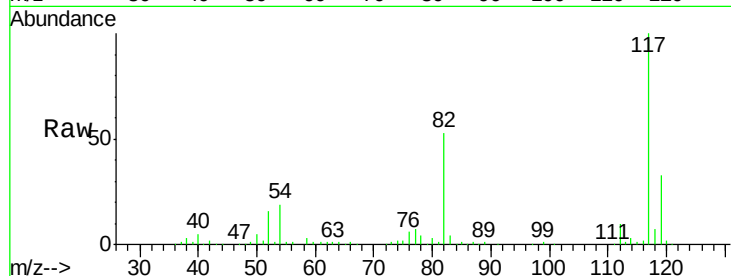
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	32.9	25.3	37.9

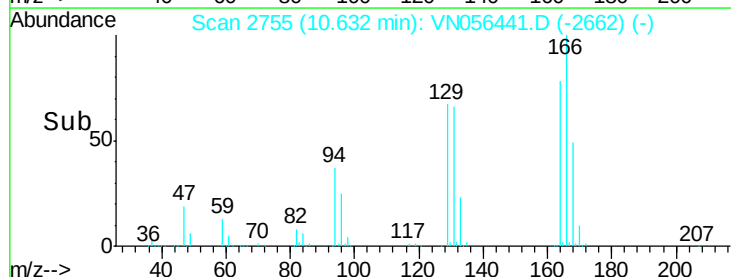
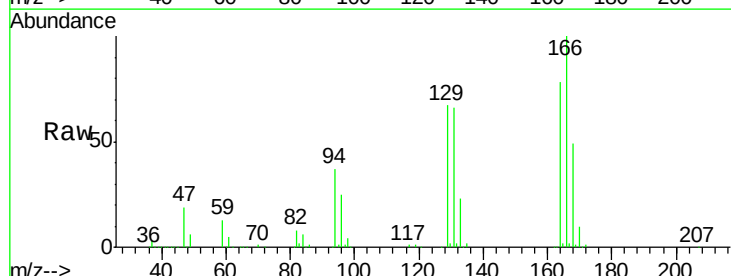
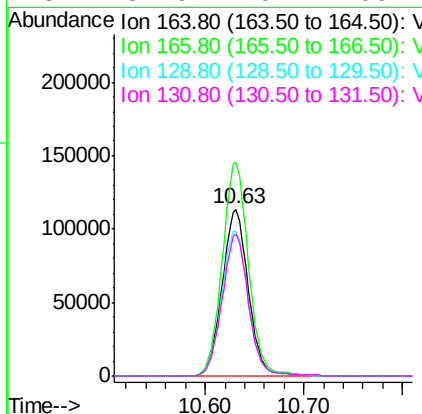
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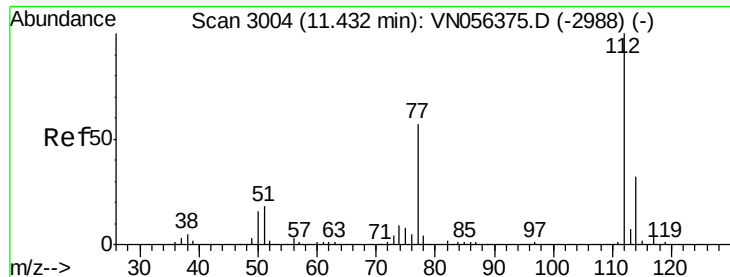
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#64
Tetrachloroethene
Concen: 49.479 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.4	155.0
129	86.5	72.0	108.0
131	84.9	70.2	105.2





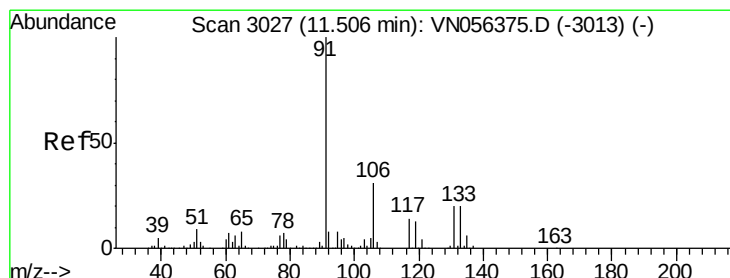
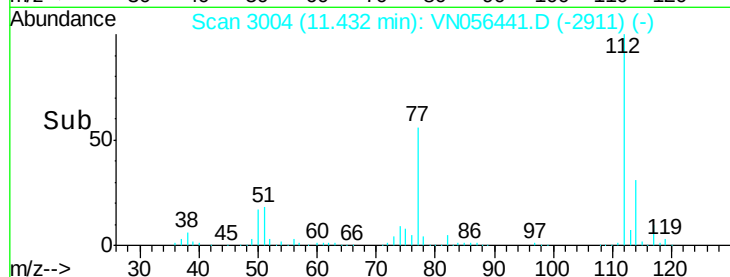
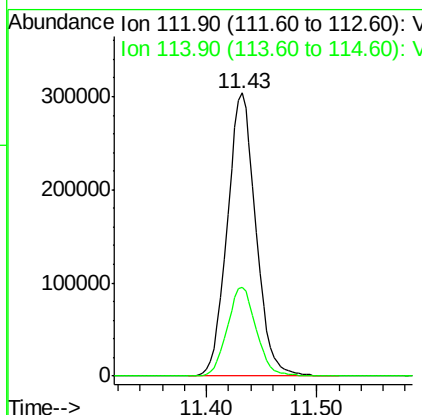
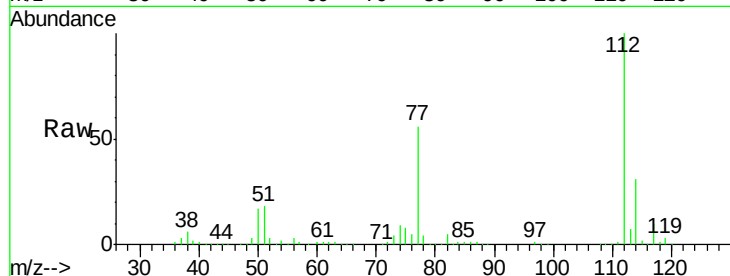
#65
Chlorobenzene
Concen: 50.310 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 544696
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

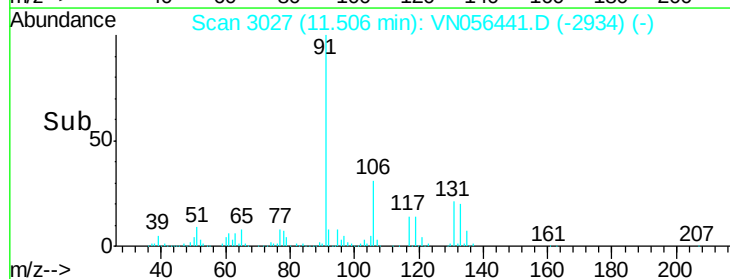
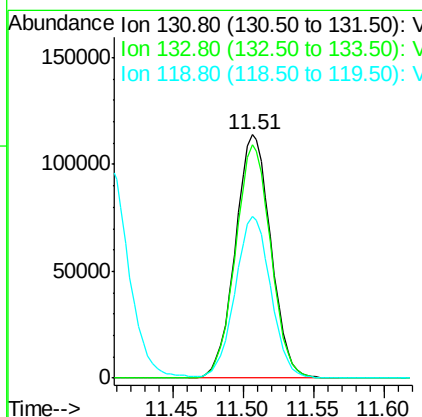
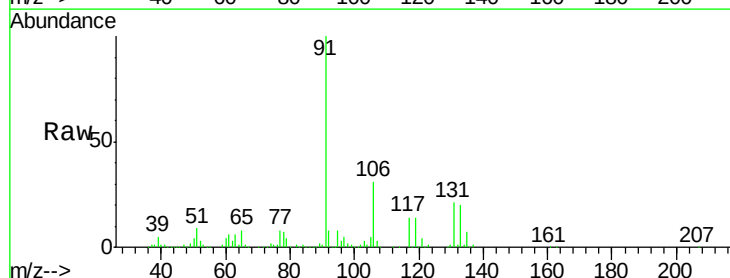
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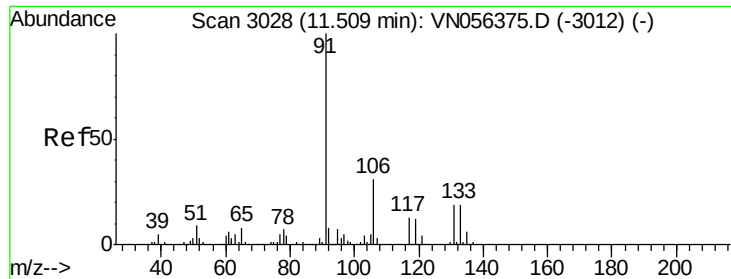
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.081 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion:131 Resp: 201553
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 66.4 32.8 98.4





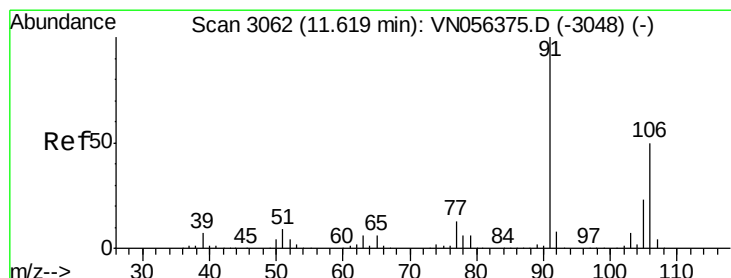
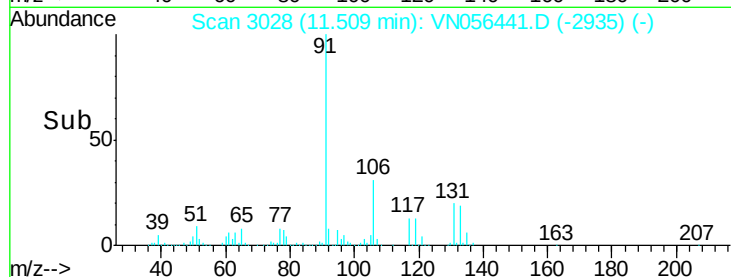
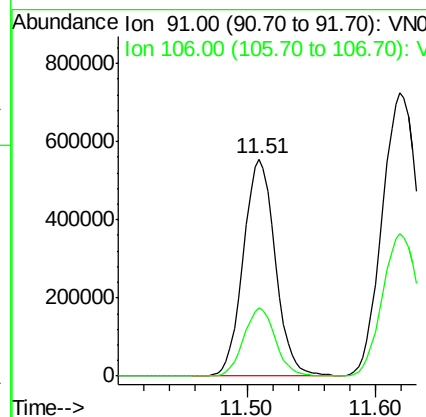
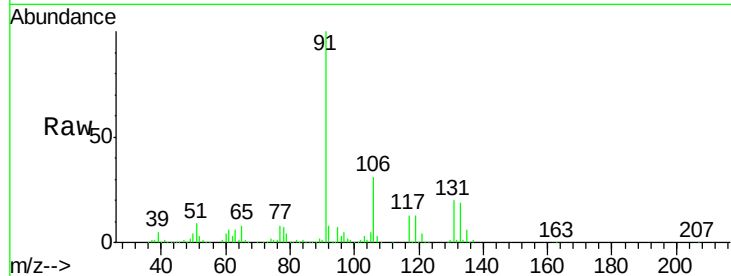
#67
Ethyl Benzene
Concen: 50.484 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 959714
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

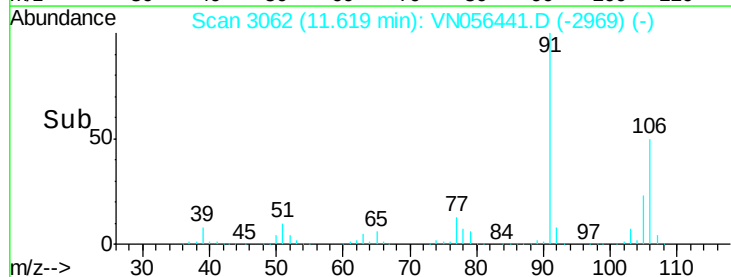
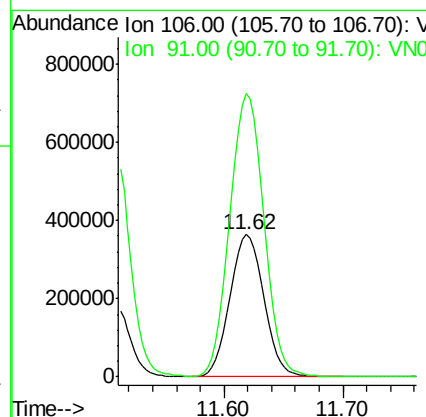
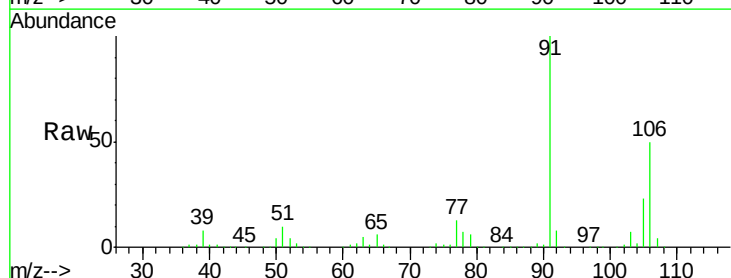
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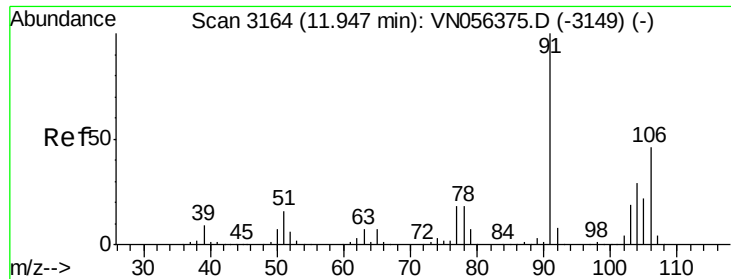
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#68
m/p-Xylenes
Concen: 103.615 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion: 106 Resp: 721874
Ion Ratio Lower Upper
106 100
91 200.1 160.1 240.1





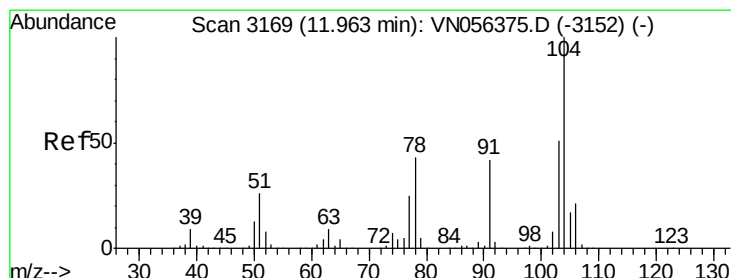
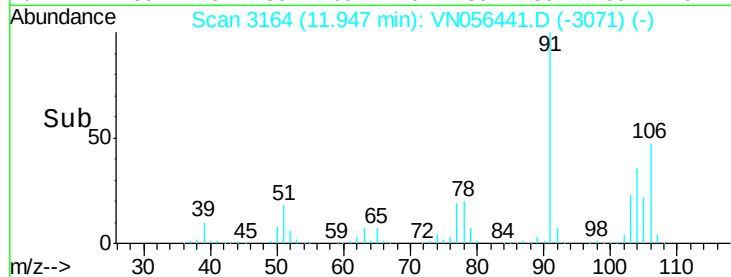
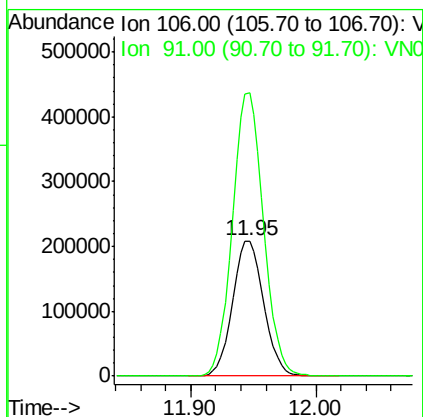
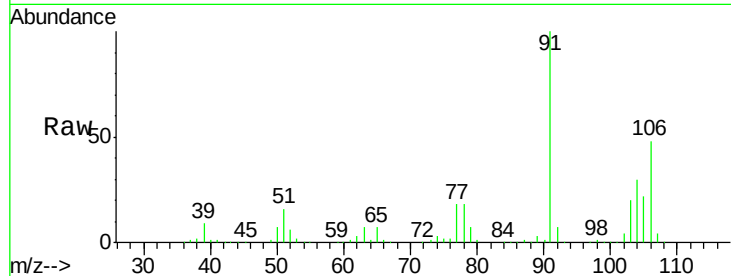
#69
o-Xylene
Concen: 51.971 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 358212
Ion Ratio Lower Upper
106 100
91 209.4 107.1 321.3

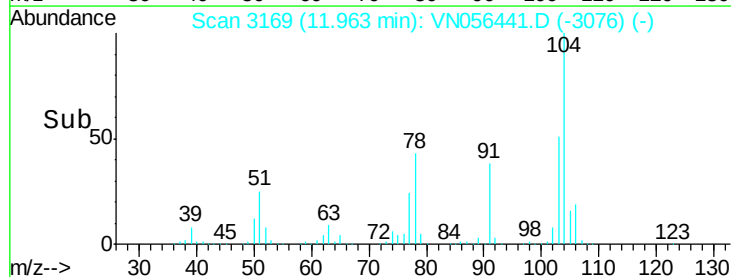
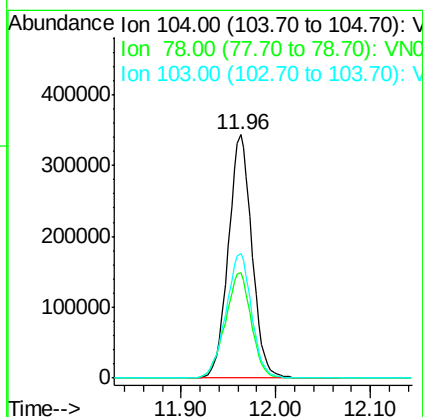
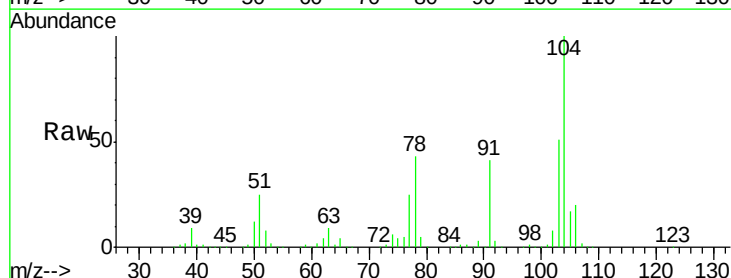
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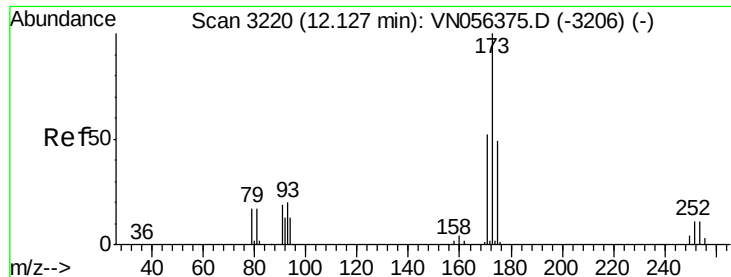
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#70
Styrene
Concen: 53.839 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion:104 Resp: 593158
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 55.7 43.9 65.9





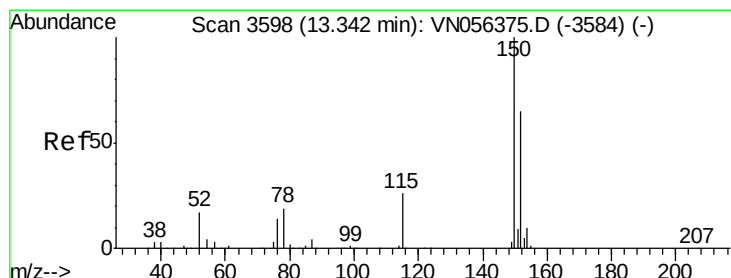
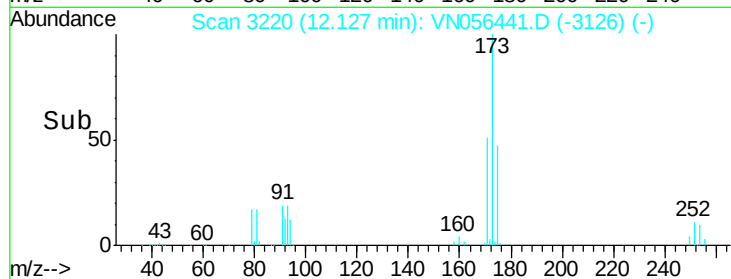
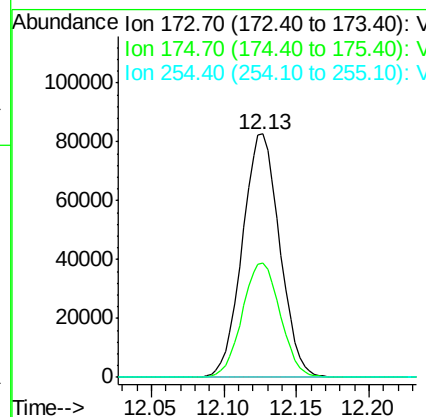
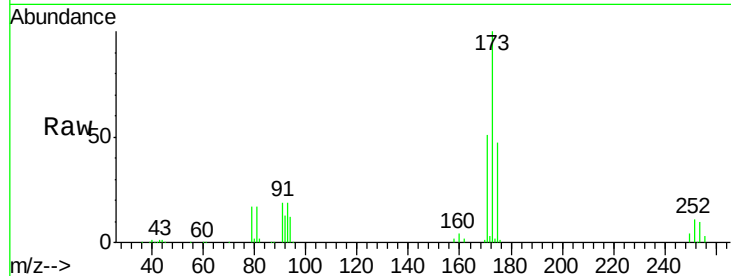
#71
Bromoform
Concen: 50.119 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.4
254	0.0	0.0	0.0

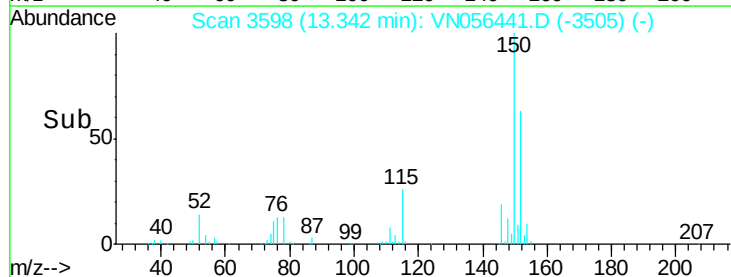
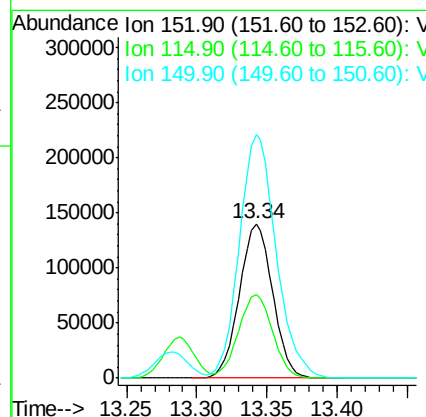
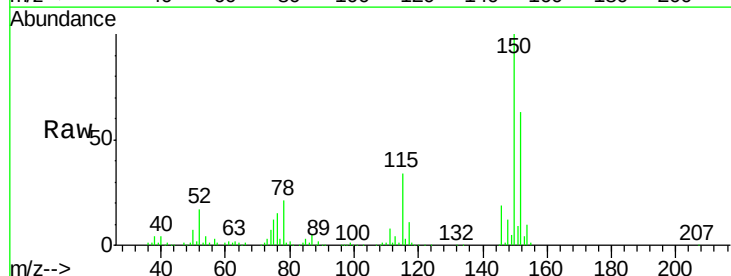
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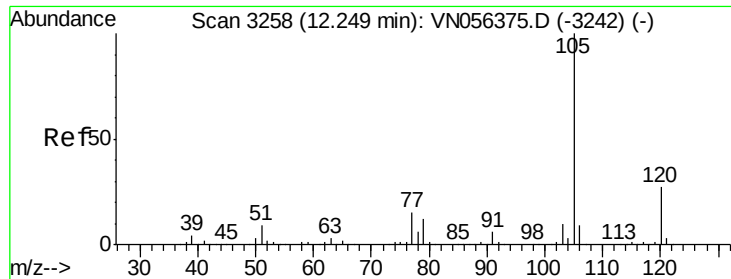
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.1	84.4
150	174.6	0.0	348.4





#73

Isopropylbenzene

Concen: 54.770 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 946081

Ion Ratio Lower Upper

105 100

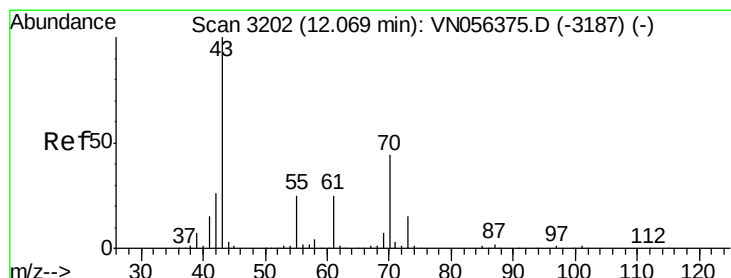
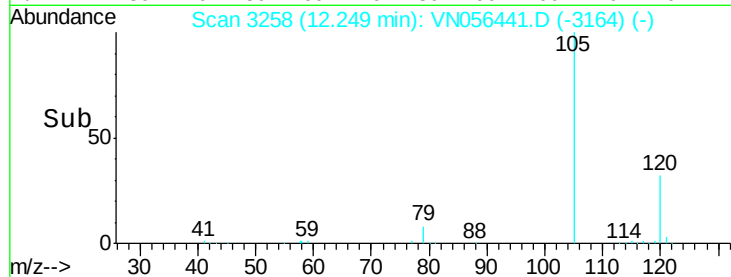
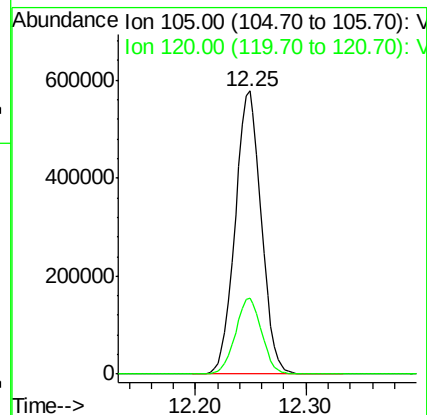
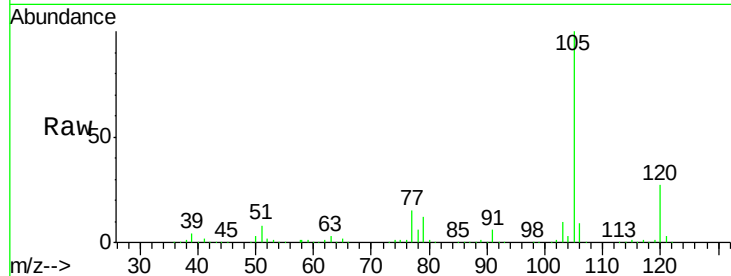
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.795 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion: 43 Resp: 344121

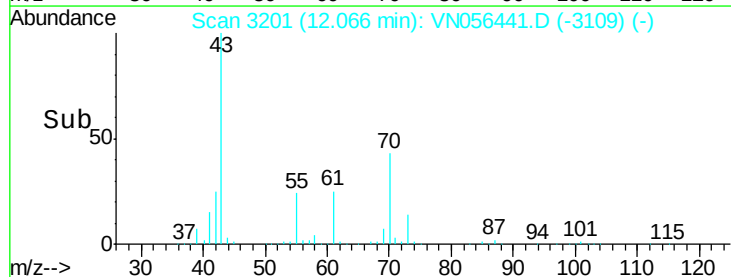
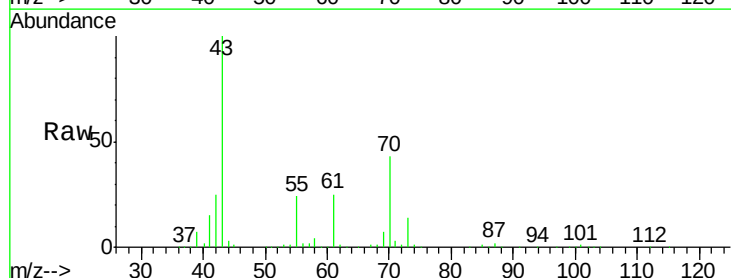
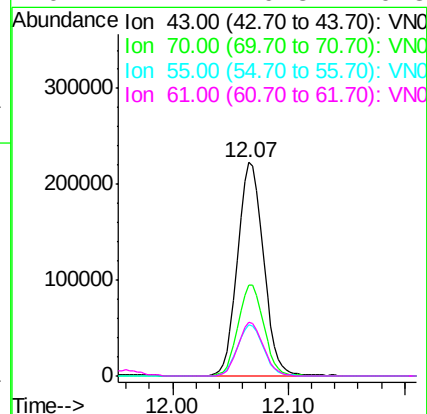
Ion Ratio Lower Upper

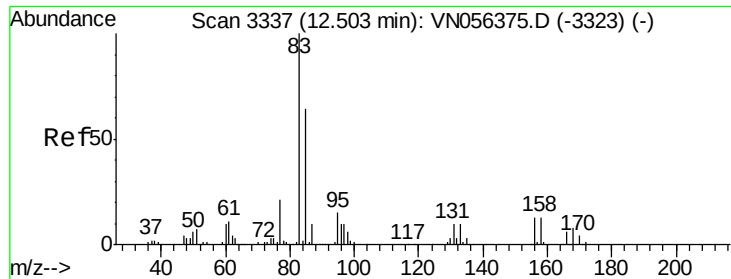
43 100

70 42.6 34.9 52.3

55 24.1 20.4 30.6

61 24.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.516 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

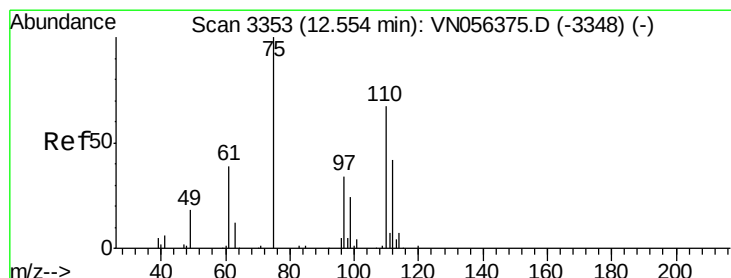
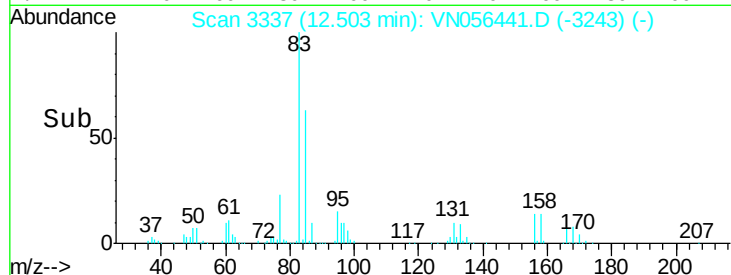
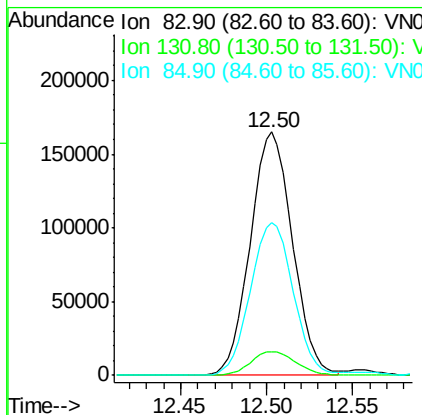
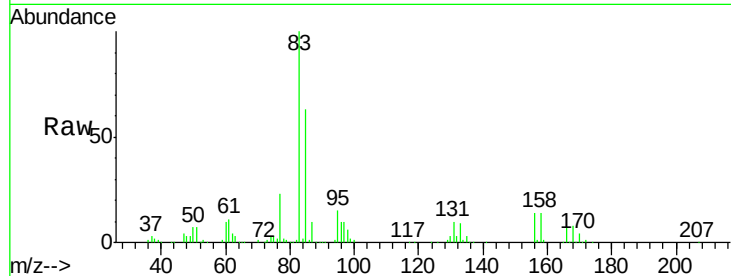
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	281327
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	63.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 46.247 ug/l m

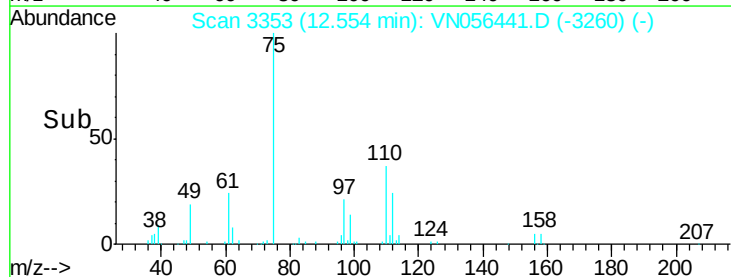
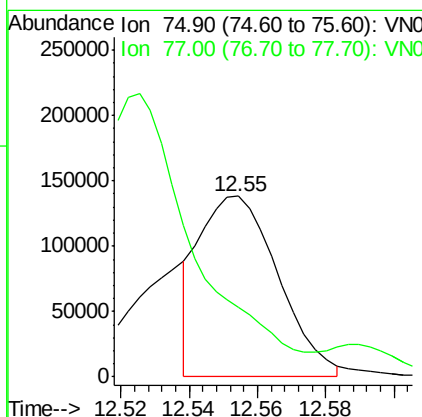
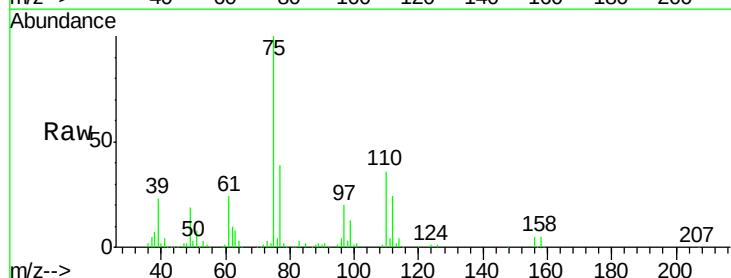
RT: 12.55 min Scan# 3353

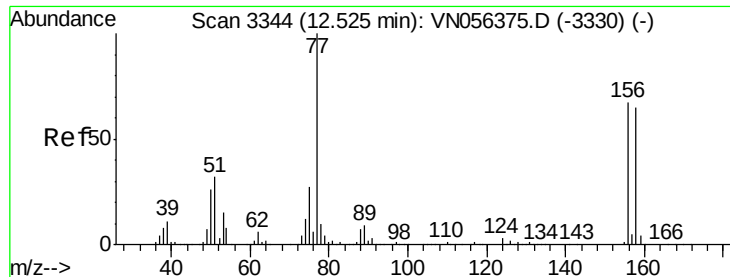
Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion:	75	Resp:	221573
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.058 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

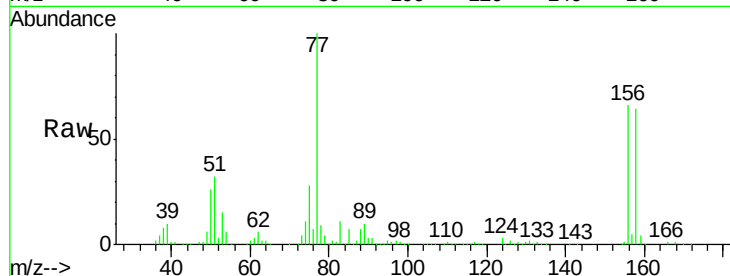
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.5	92.5	277.3
158	97.7	48.7	146.1

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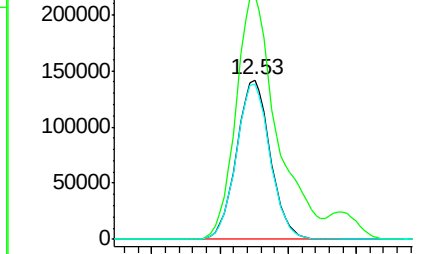
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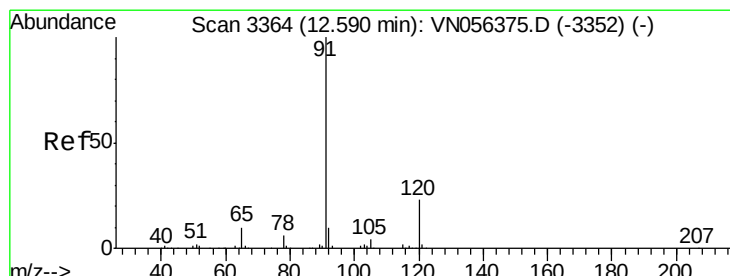
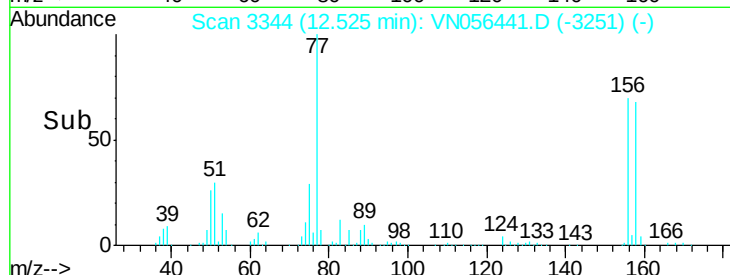
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 48.938 ug/l

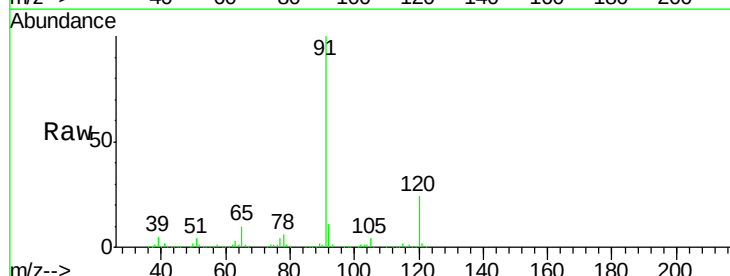
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056441.D

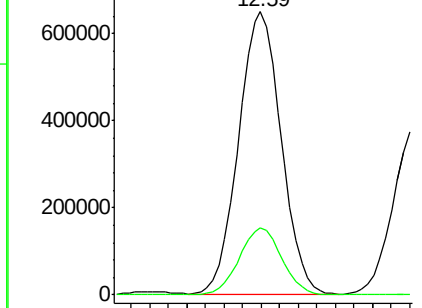
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.8	35.4

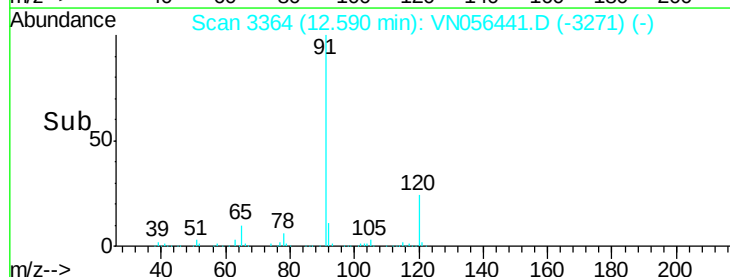


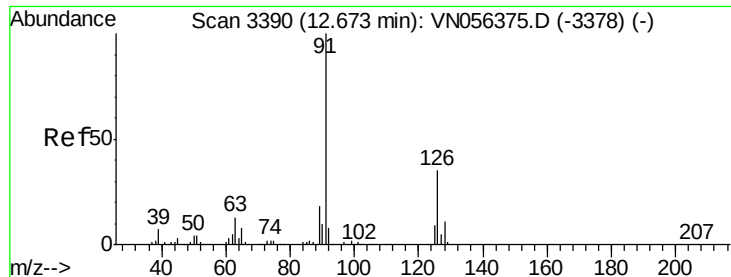
Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 54.179 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 626163

Ion Ratio Lower Upper

91 100

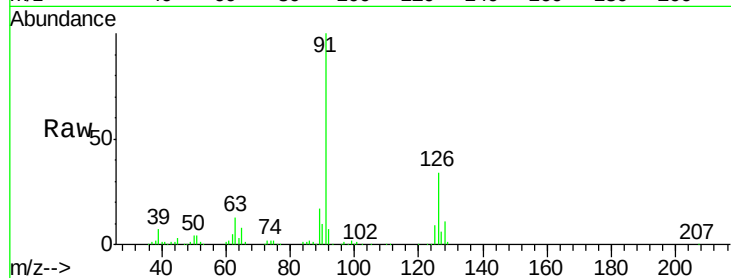
126 35.2 17.6 52.8

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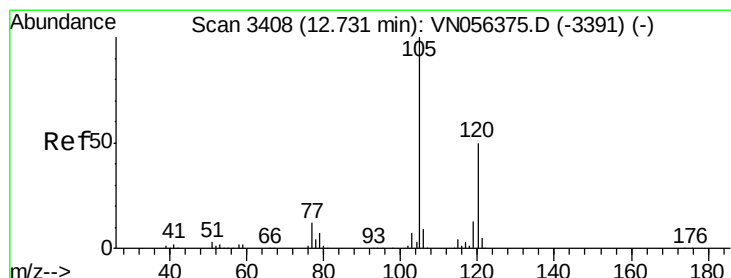
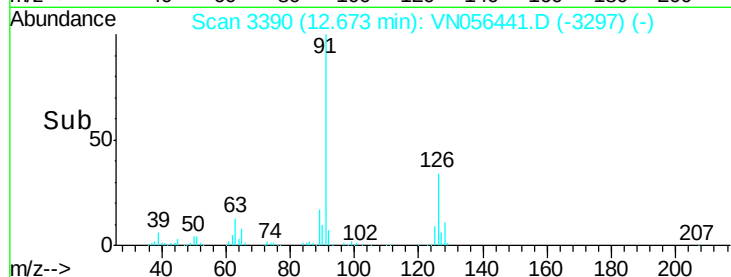
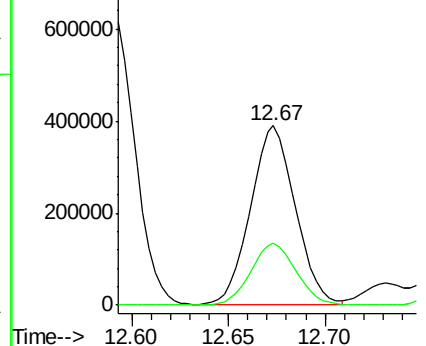
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.892 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056441.D

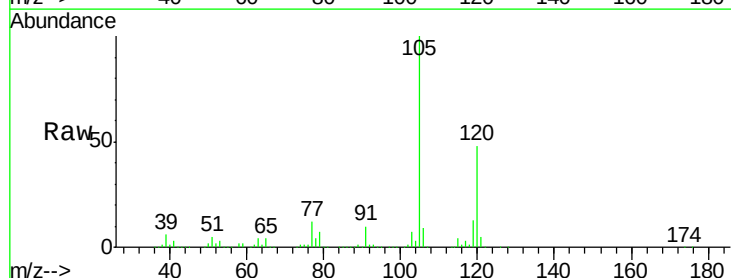
Acq: 24 Jun 2019 9:21

Tgt Ion: 105 Resp: 781120

Ion Ratio Lower Upper

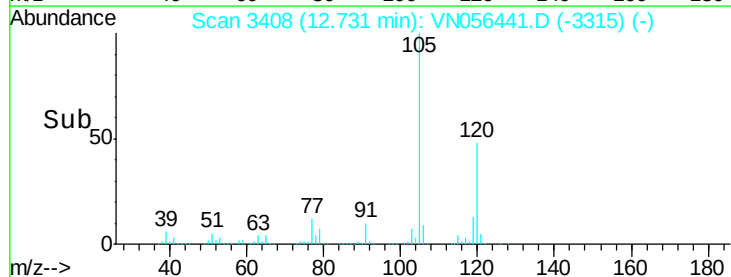
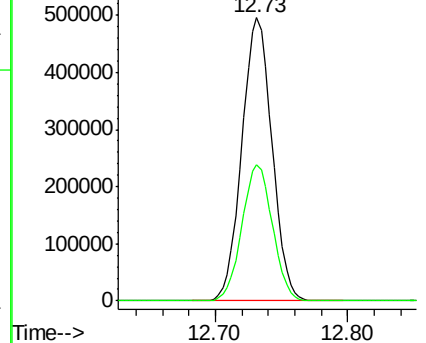
105 100

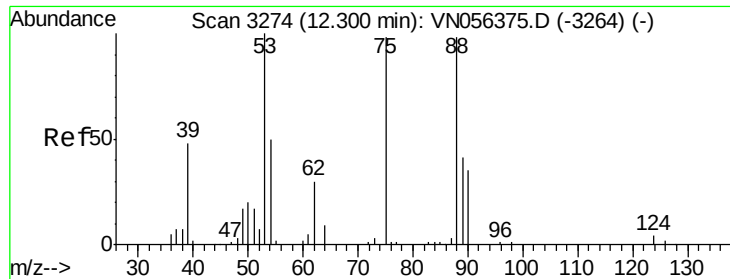
120 48.7 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)





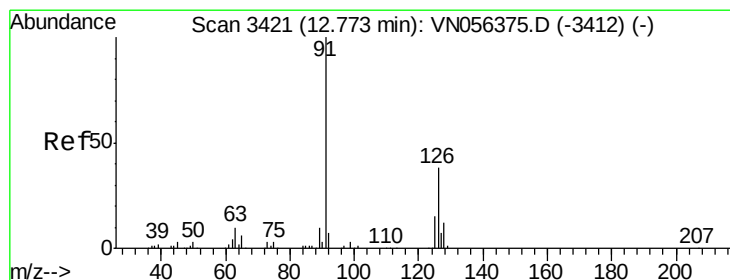
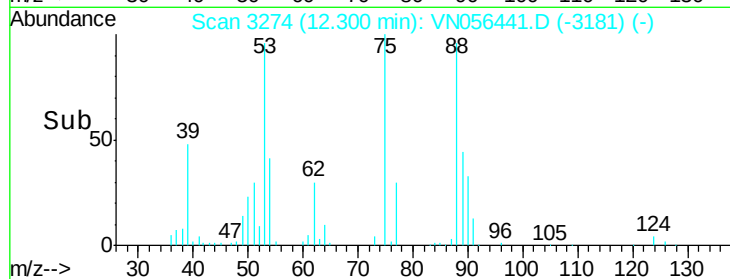
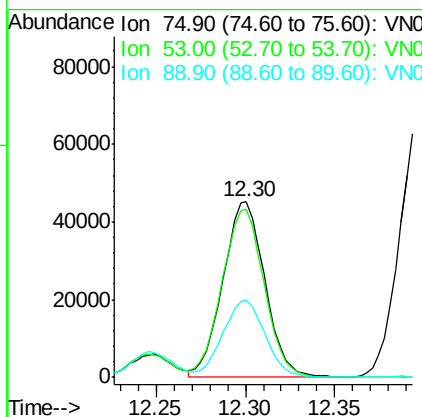
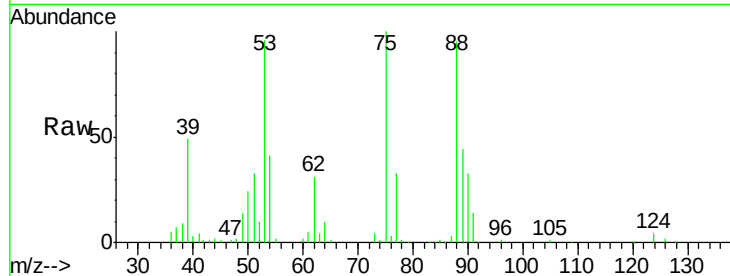
#81
trans-1,4-Dichloro-2-butene
Concen: 55.078 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	83.9	125.9
89	44.2	35.0	52.6

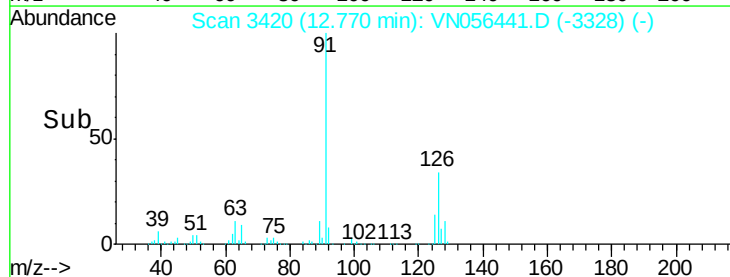
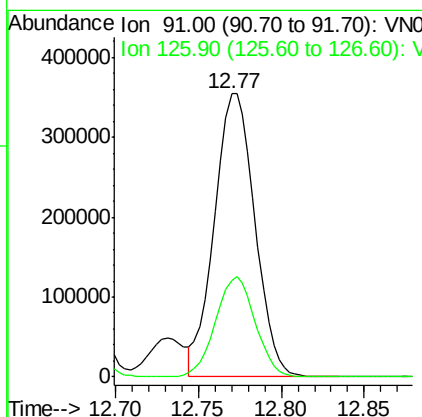
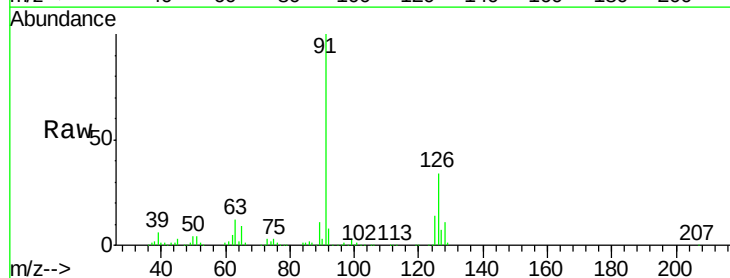
Manual Integrations
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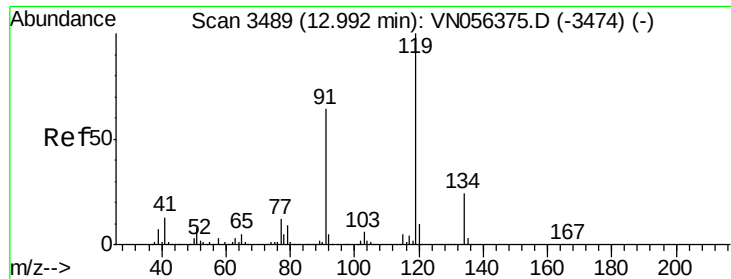
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#82
4-Chlorotoluene
Concen: 48.092 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056441.D
Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





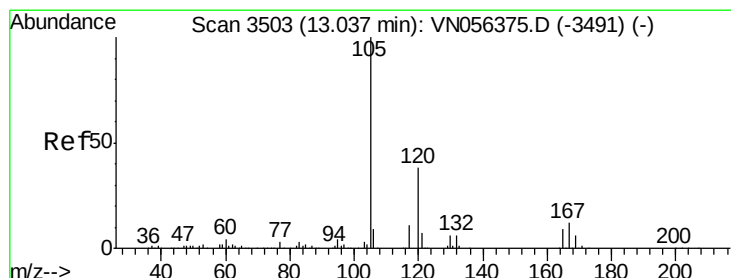
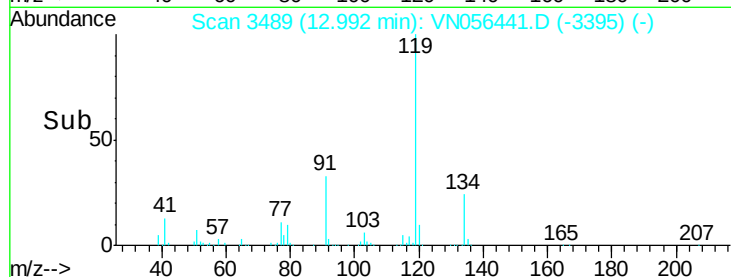
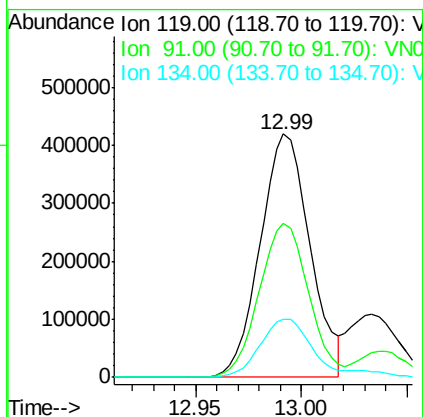
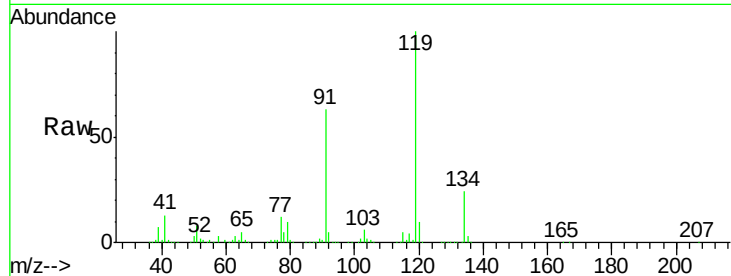
#83
 tert-Butylbenzene
 Concen: 54.720 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.6	94.7
134	26.4	13.2	39.5

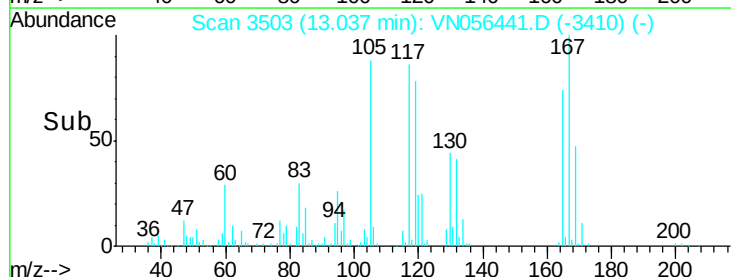
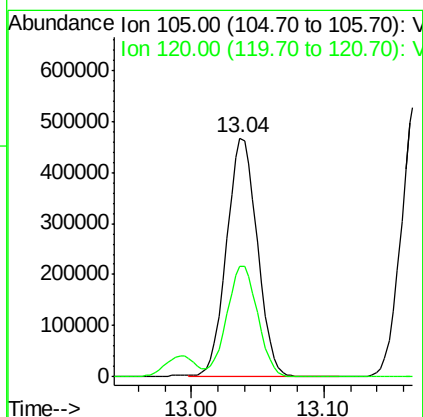
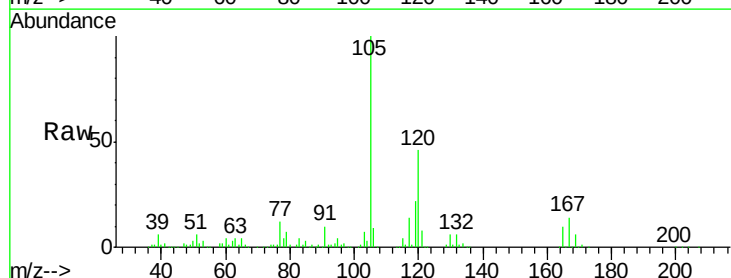
Manual Integrations
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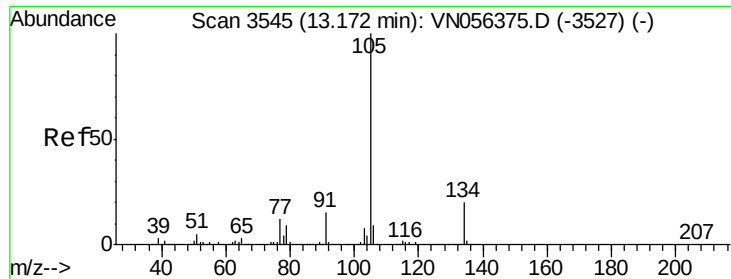
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.249 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.347 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 899154

Ion Ratio Lower Upper

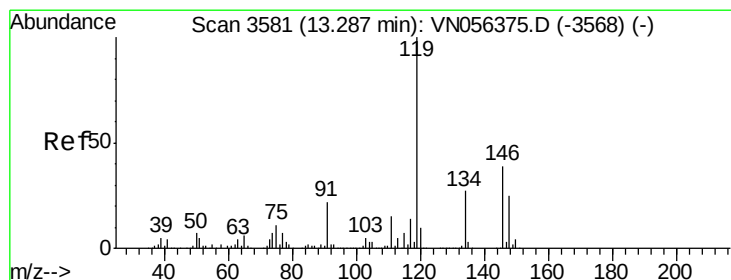
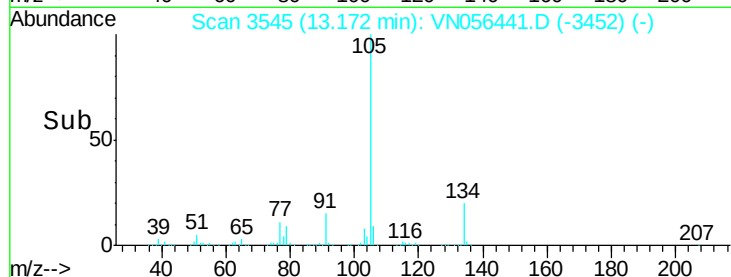
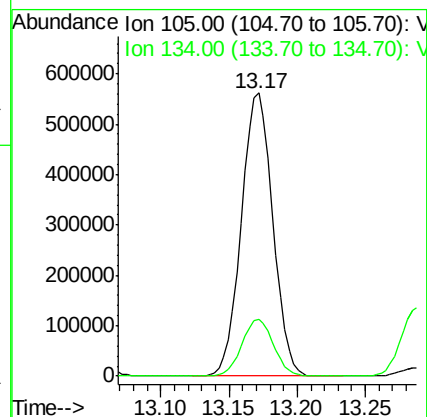
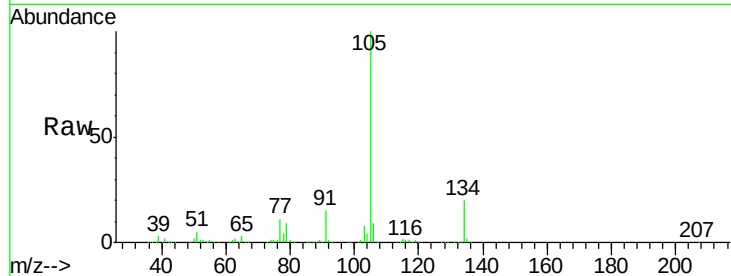
105 100

134 20.2 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 50.117 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

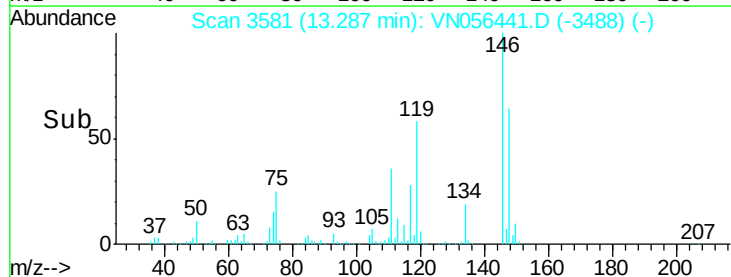
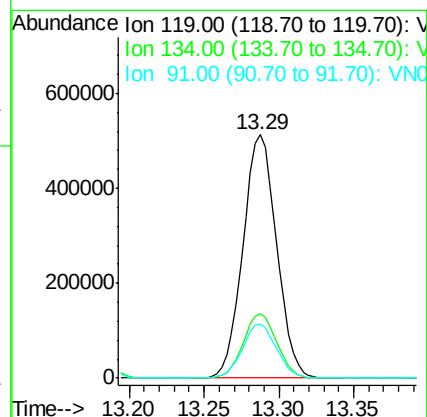
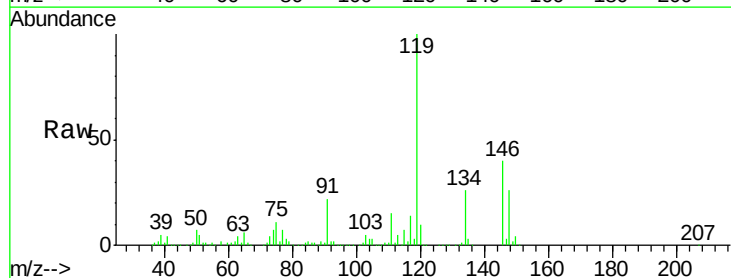
Tgt Ion:119 Resp: 799921

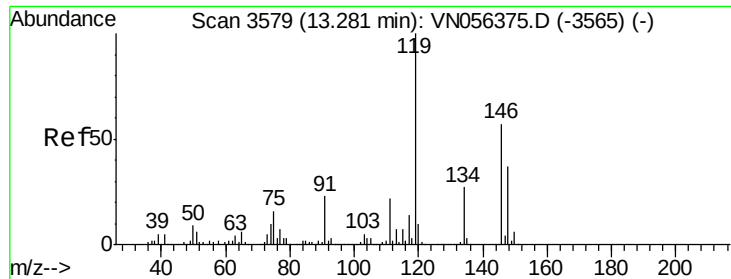
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 50.854 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

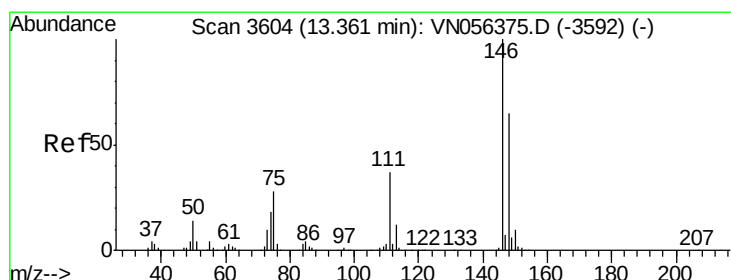
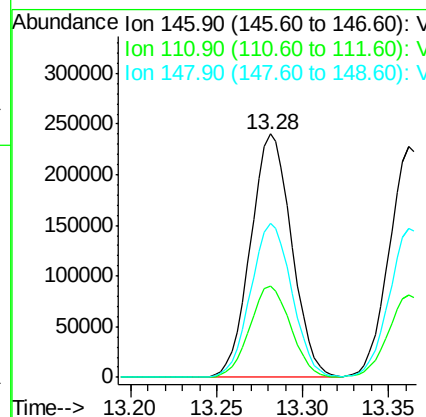
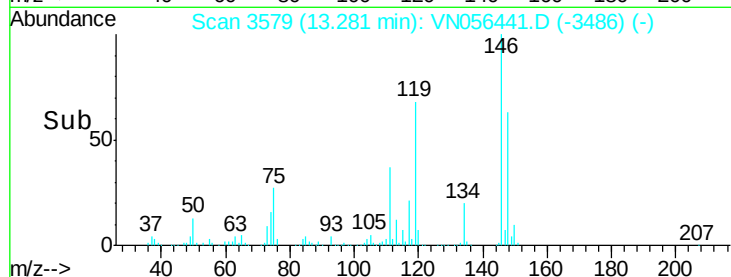
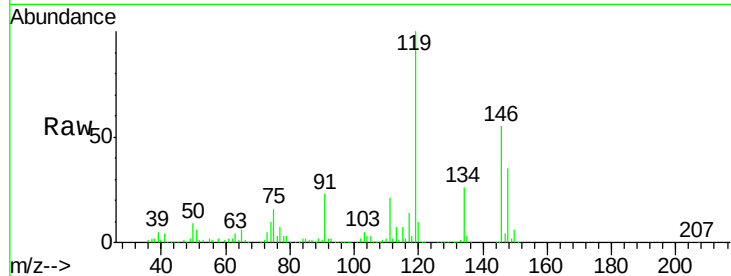
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	398166
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.9
148	63.7	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.574 ug/l

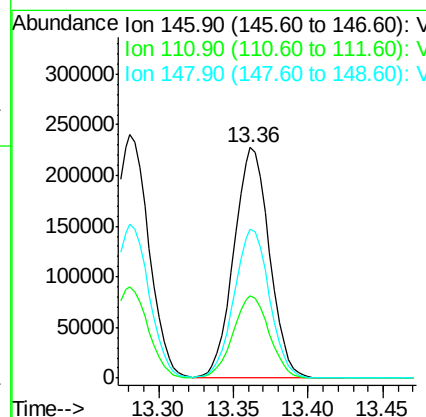
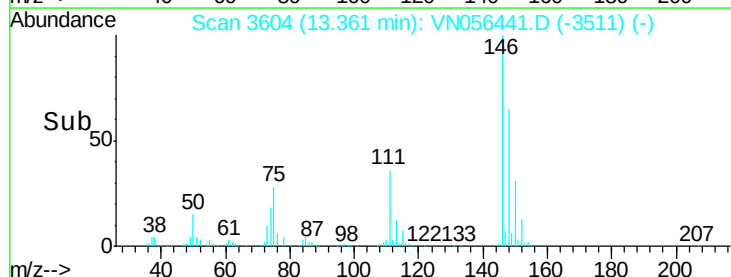
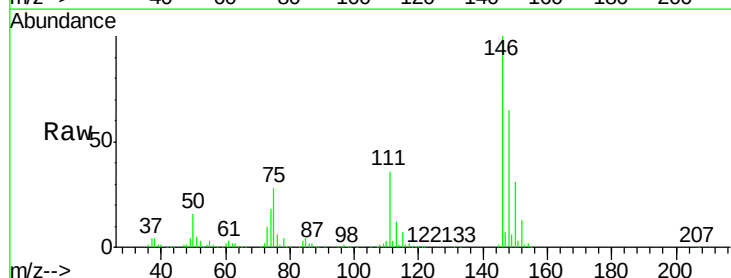
RT: 13.36 min Scan# 3604

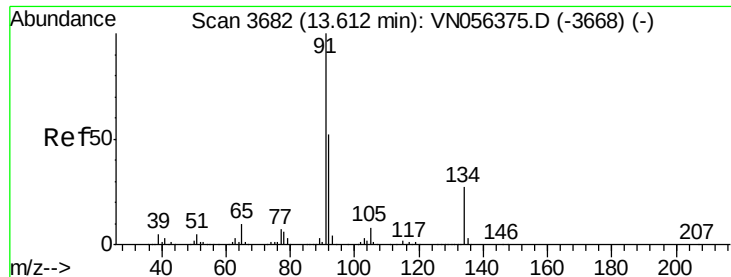
Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion:	146	Resp:	375912
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.4	55.4
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 51.122 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

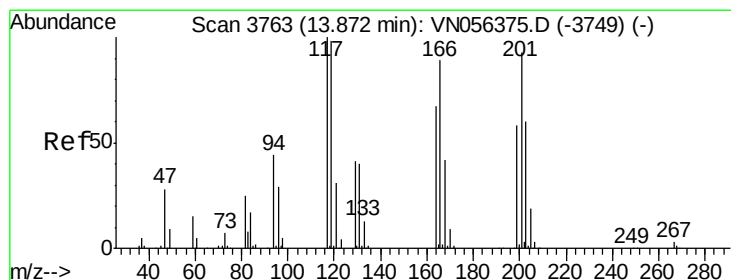
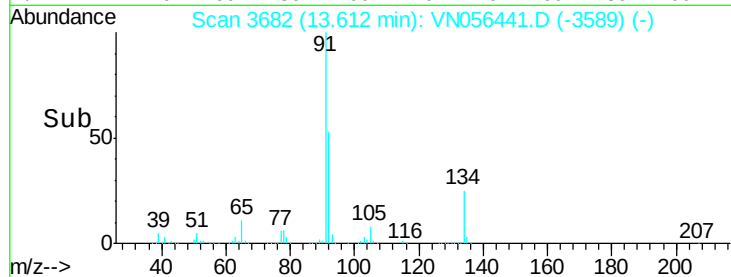
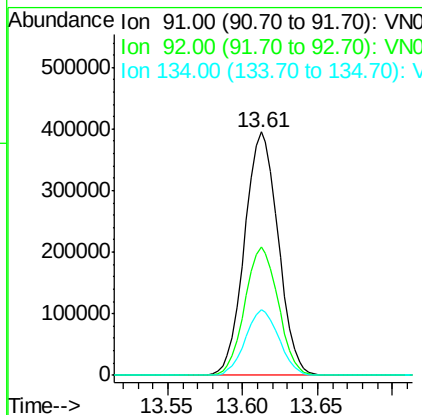
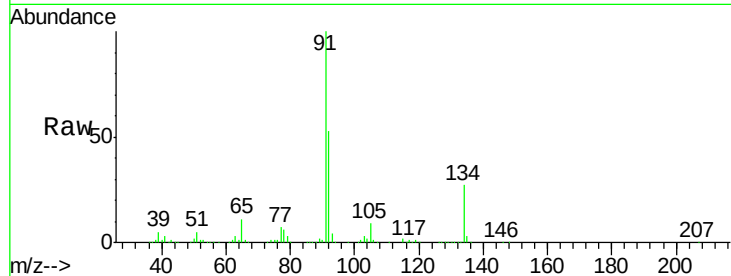
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	617703
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	26.9	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 53.004 ug/l

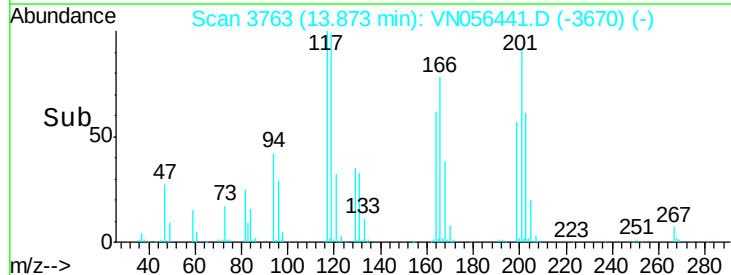
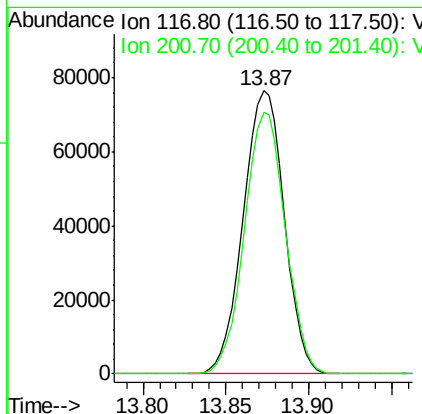
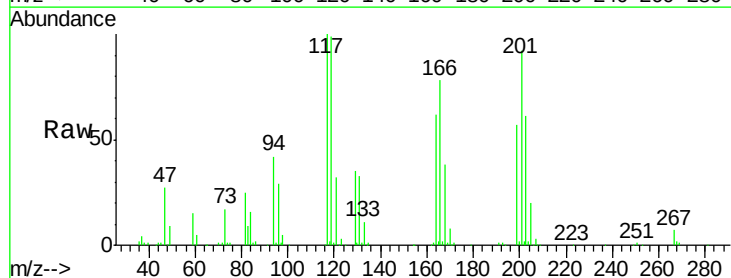
RT: 13.87 min Scan# 3763

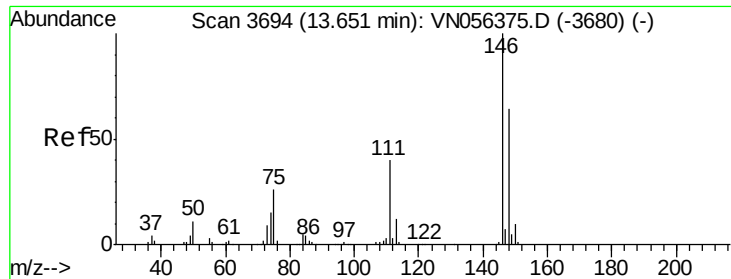
Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion:	117	Resp:	131893
Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.9	137.6





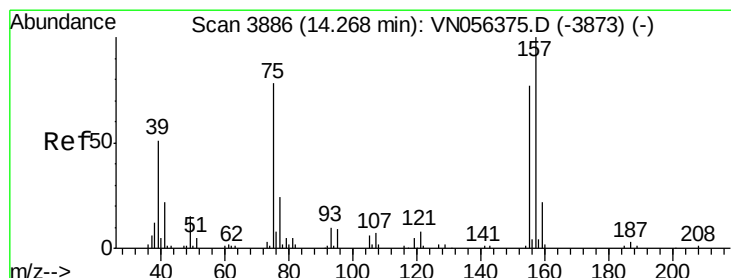
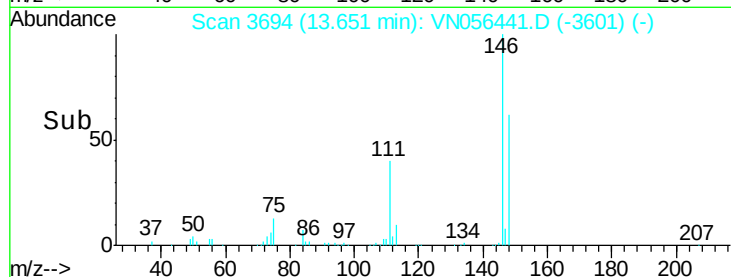
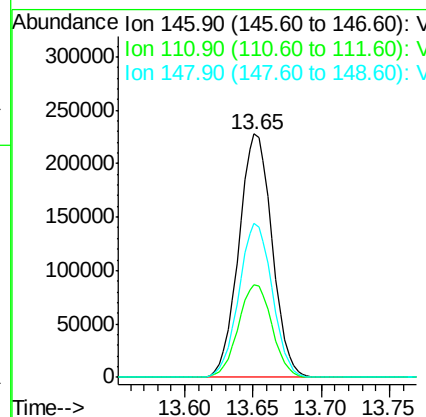
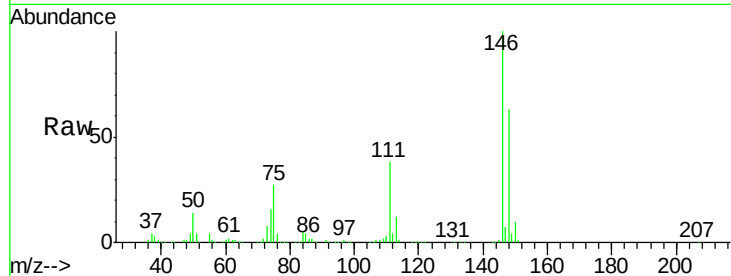
#91
 1,2-Dichlorobenzene
 Concen: 49.579 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.6	32.0	96.0

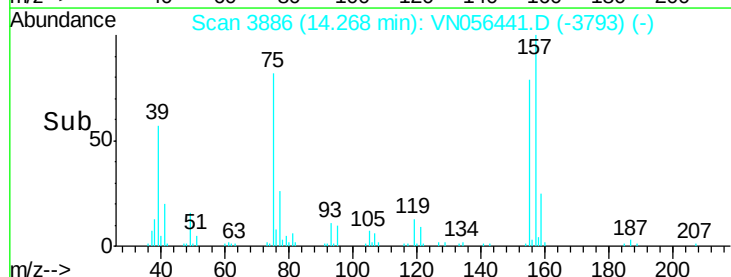
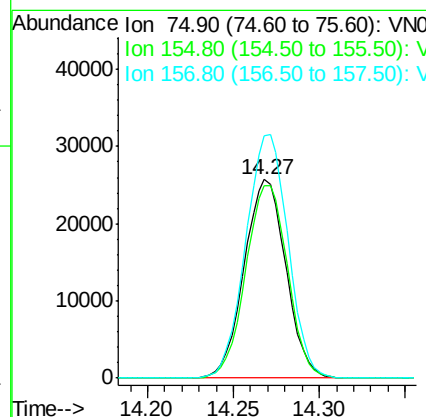
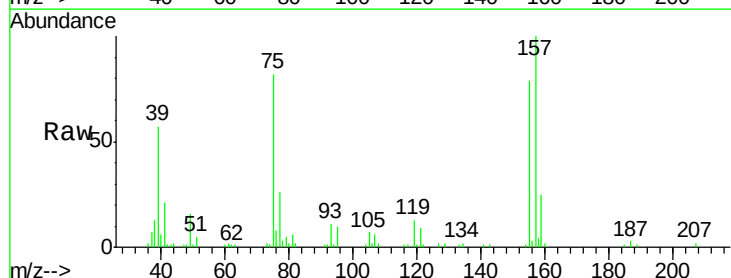
Manual Integrations
 APPROVED

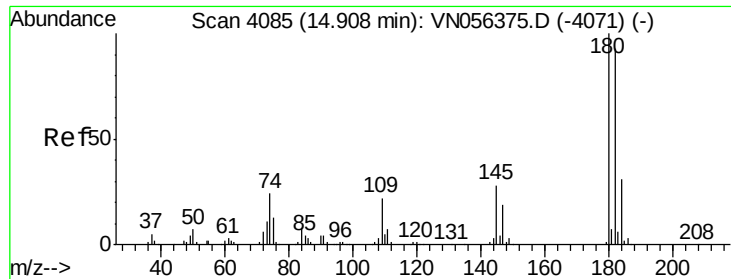
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.756 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.9	146.8
157	123.9	62.9	188.8





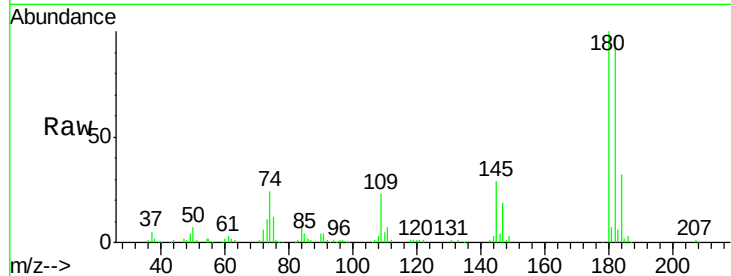
#93
 1,2,4-Trichlorobenzene
 Concen: 43.695 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

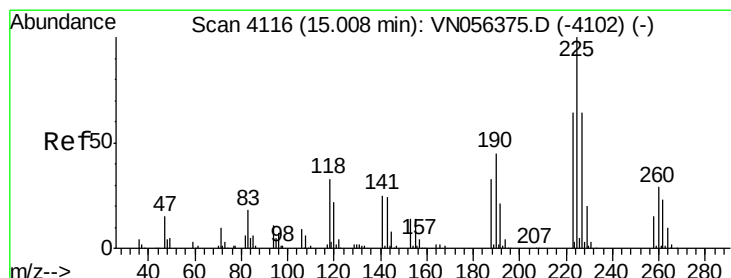
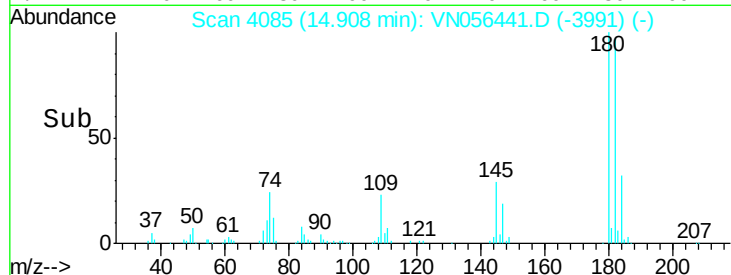
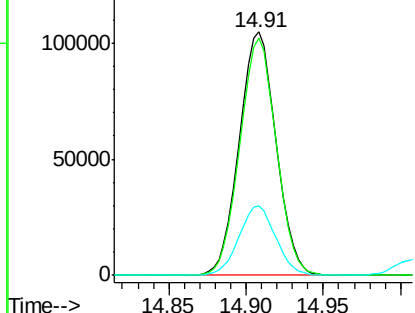
Tot Ion	Ratio	Resp	Lower	Upper
180	100	173536		
182	96.3	46.9	140.6	
145	28.4	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:22 AM

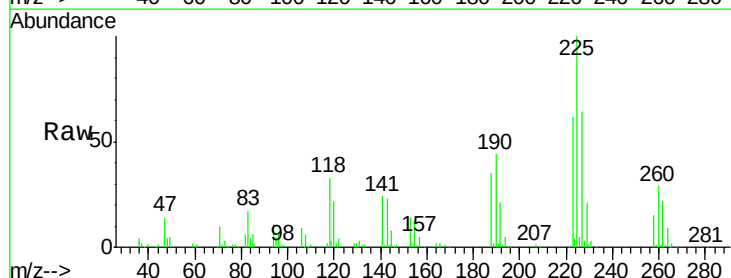


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

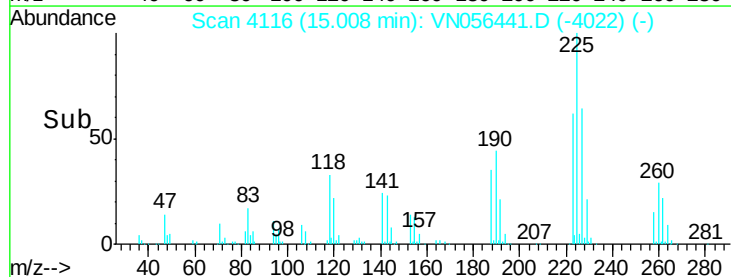
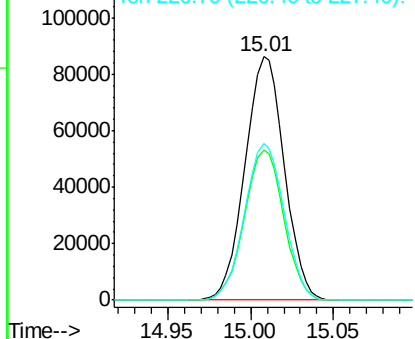


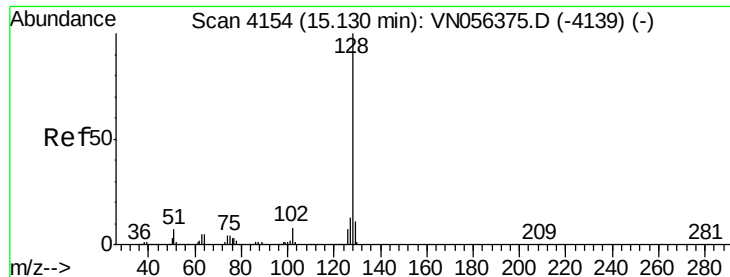
#94
 Hexachlorobutadiene
 Concen: 54.157 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056441.D
 Acq: 24 Jun 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142160		
223	61.8	31.4	94.3	
227	64.8	32.1	96.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.526 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Instrument :

MSVOA_N

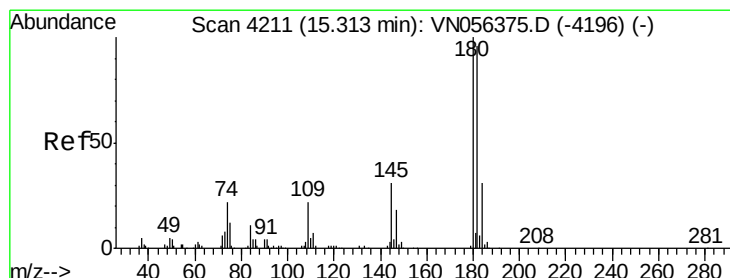
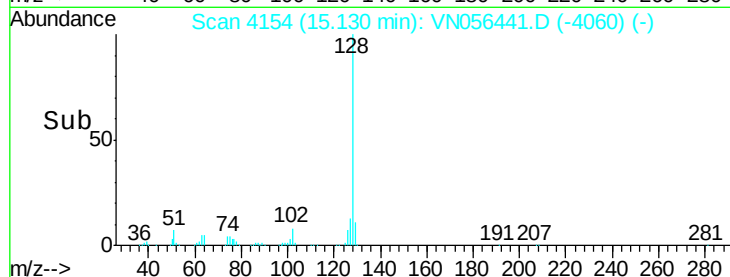
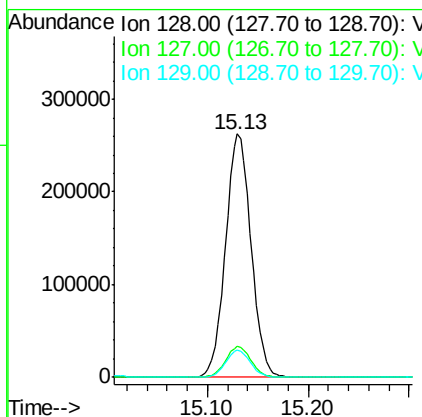
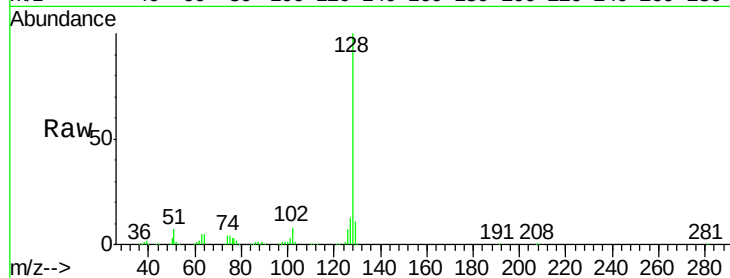
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	463967
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/26/2019 8:14:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.951 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056441.D

Acq: 24 Jun 2019 9:21

Tgt Ion:	180	Resp:	190941
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.3	144.8
145	30.4	15.4	46.1

