

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055656.D
 Acq On : 18 May 2019 10:24
 Operator : JC/SP
 Sample : VN0517WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:07:58 AM

Quant Time: May 20 04:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	498070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	176409	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	162475	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.09	98	592911	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	204581	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45537	18.637	ug/l	96
3) Chloromethane	2.06	50	62149	19.070	ug/l	99
4) Vinyl Chloride	2.18	62	68983	19.548	ug/l	98
5) Bromomethane	2.57	94	48161	21.414	ug/l	97
6) Chloroethane	2.71	64	39980	20.404	ug/l	97
7) Trichlorofluoromethane	3.03	101	89403	19.770	ug/l	99
8) Diethyl Ether	3.41	74	37703	20.754	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52007	18.864	ug/l	98
10) Methyl Iodide	3.96	142	65282	16.425	ug/l	99
11) Tert butyl alcohol	4.77	59	53762	82.818	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	56581	19.510	ug/l	97
13) Acrolein	3.61	56	28078	85.695	ug/l	95
14) Allyl chloride	4.33	41	82743	17.673	ug/l	99
15) Acrylonitrile	4.99	53	143184	99.140	ug/l	100
16) Acetone	3.81	43	118109	83.140	ug/l	99
17) Carbon Disulfide	4.06	76	152708	18.941	ug/l	99
18) Methyl Acetate	4.33	43	58822	19.314	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	191750	19.986	ug/l	99
20) Methylene Chloride	4.56	84	64931	20.028	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	61410	19.878	ug/l	97
22) Diisopropyl ether	5.95	45	180058	19.408	ug/l	99
23) Vinyl Acetate	5.90	43	754524	95.849	ug/l	99
24) 1,1-Dichloroethane	5.85	63	109647	20.157	ug/l	100
25) 2-Butanone	6.83	43	179566	90.402	ug/l	99
26) 2,2-Dichloropropane	6.83	77	43268	8.962	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	71623	19.909	ug/l	92
28) Bromochloromethane	7.20	49	48957	20.687	ug/l	96
29) Tetrahydrofuran	7.21	42	125385	95.281	ug/l	99
30) Chloroform	7.37	83	110985	19.876	ug/l	100
31) Cyclohexane	7.66	56	97410	18.868	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	97534	19.474	ug/l	99
36) 1,1-Dichloropropene	7.80	75	83335	18.767	ug/l	99
37) Ethyl Acetate	6.93	43	78525	19.596	ug/l	98
38) Carbon Tetrachloride	7.78	117	89340	18.827	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	92944	17.363	ug/l	99
40) Benzene	8.04	78	253395	19.401	ug/l	100
41) Methacrylonitrile	7.18	41	40229m	23.482	ug/l	
42) 1,2-Dichloroethane	8.13	62	82532	19.514	ug/l	100
43) Isopropyl Acetate	8.17	43	174542	25.041	ug/l #	90
44) Trichloroethene	8.84	130	73520	19.948	ug/l	96
45) 1,2-Dichloropropane	9.12	63	65708	19.097	ug/l	100
46) Dibromomethane	9.21	93	44427	19.728	ug/l	98
47) Bromodichloromethane	9.40	83	90476	19.169	ug/l	98
48) Methyl methacrylate	9.20	41	58871	18.896	ug/l	96
49) 1,4-Dioxane	9.20	88	19480	314.664	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	381508	93.309	ug/l	100
52) Toluene	10.16	92	158782	19.382	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	86462	17.020	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	94805	17.035	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	64919	19.249	ug/l	100
56) Ethyl methacrylate	10.43	69	99244	18.851	ug/l	98
57) 1,3-Dichloropropane	10.71	76	105003	19.658	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	205220	91.740	ug/l	99
59) 2-Hexanone	10.75	43	259035	89.985	ug/l	99
60) Dibromochloromethane	10.90	129	75917	19.861	ug/l	99
61) 1,2-Dibromoethane	11.01	107	66307	19.650	ug/l	98
64) Tetrachloroethene	10.63	164	73198	21.322	ug/l	97
65) Chlorobenzene	11.43	112	173590	19.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	68357	19.301	ug/l	100
67) Ethyl Benzene	11.51	91	298597	19.040	ug/l	100
68) m/p-Xylenes	11.62	106	223948	37.813	ug/l	98
69) o-Xylene	11.95	106	111349	19.223	ug/l	97
70) Styrene	11.96	104	183776	19.081	ug/l	99
71) Bromoform	12.13	173	59637	19.870	ug/l #	99
73) Isopropylbenzene	12.25	105	292633	19.742	ug/l	99
74) N-amyl acetate	12.07	43	99737	18.057	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	89324	19.495	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72875m	18.156	ug/l	
77) Bromobenzene	12.53	156	78710	19.484	ug/l	93
78) n-propylbenzene	12.59	91	310640	17.784	ug/l	99
79) 2-Chlorotoluene	12.67	91	190582	19.356	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	240477	19.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20810	13.328	ug/l	97
82) 4-Chlorotoluene	12.77	91	187185	18.187	ug/l	100
83) tert-Butylbenzene	12.99	119	211134	19.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241040	19.404	ug/l	100
85) sec-Butylbenzene	13.17	105	269434	19.170	ug/l	99
86) p-Isopropyltoluene	13.29	119	246979	19.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	125652	18.812	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122938	19.277	ug/l	99
89) n-Butylbenzene	13.61	91	190742	17.672	ug/l	100
90) Hexachloroethane	13.87	117	48927	19.602	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	128545	19.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16751	18.765	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69852	20.610	ug/l	99
94) Hexachlorobutadiene	15.01	225	41982	18.699	ug/l	98
95) Naphthalene	15.13	128	191188	19.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74492	21.021	ug/l	98

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

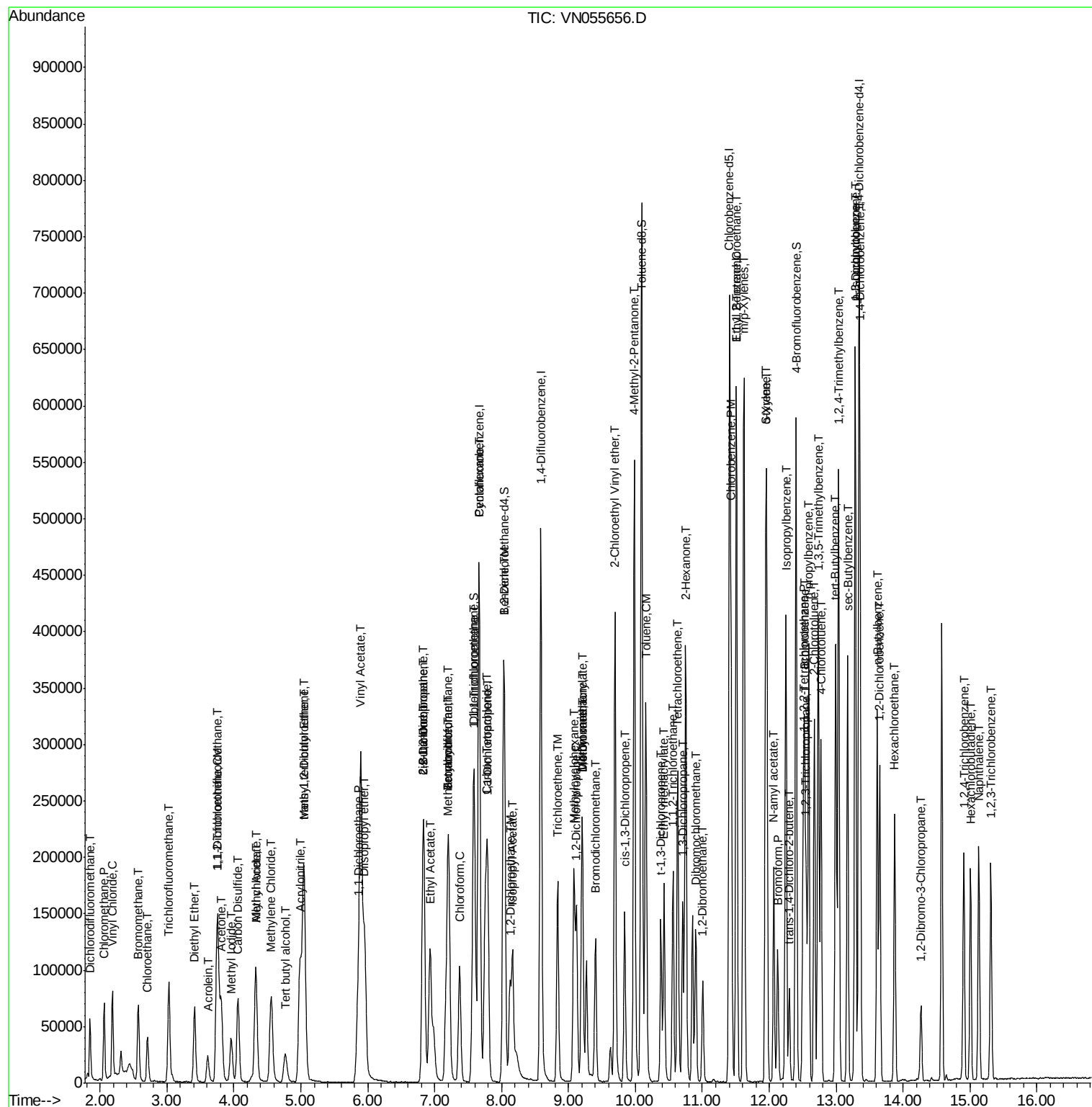
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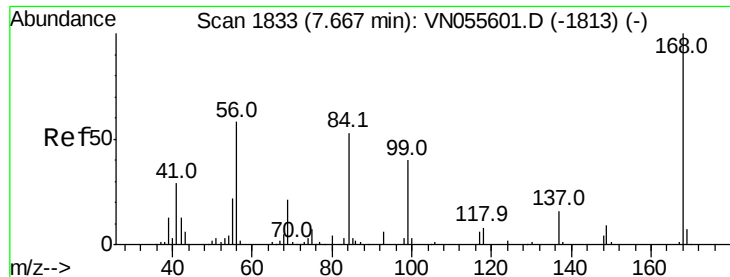
Instrument :
MSVOA_N
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VN0517WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion:168 Resp: 317557

Ion Ratio Lower Upper

168 100

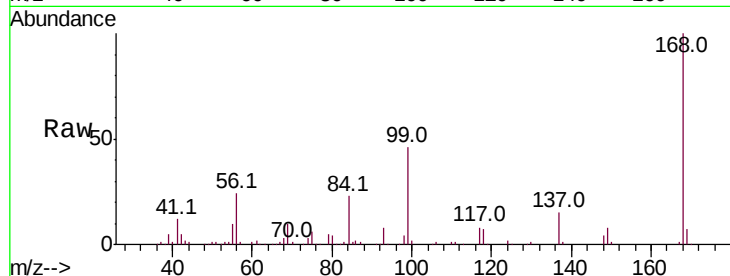
99 45.8 40.2 60.2

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

7.67

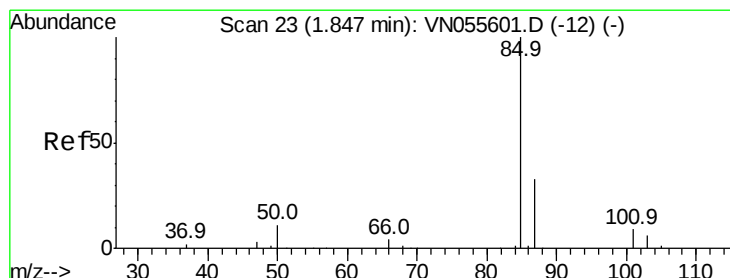
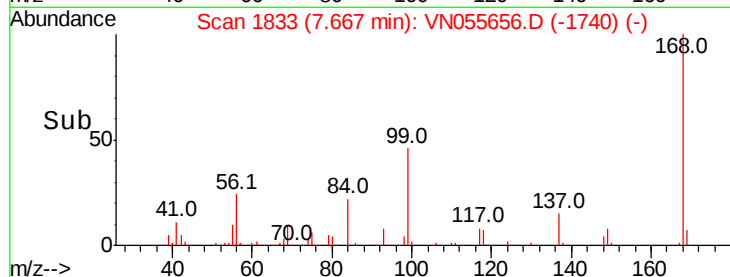
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.637 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055656.D

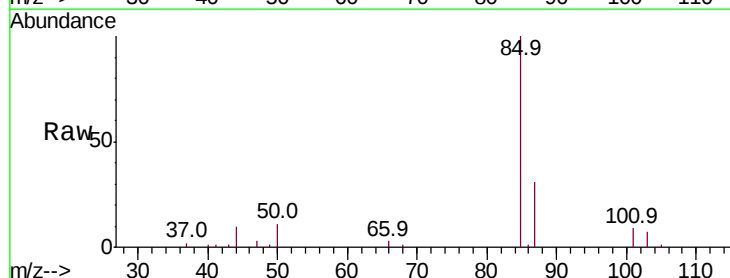
Acq: 18 May 2019 10:24

Tgt Ion: 85 Resp: 45537

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

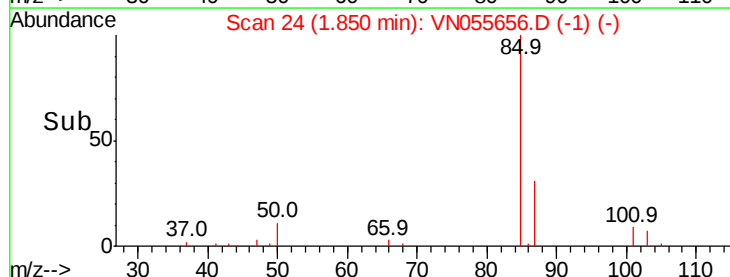
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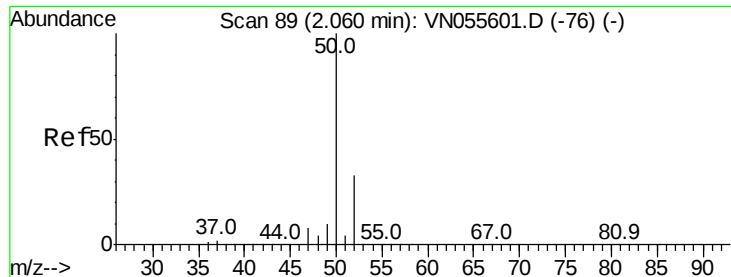
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.070 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion: 50 Resp: 62149

Ion Ratio Lower Upper

50 100

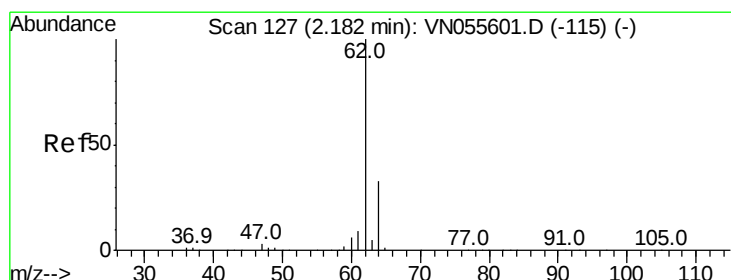
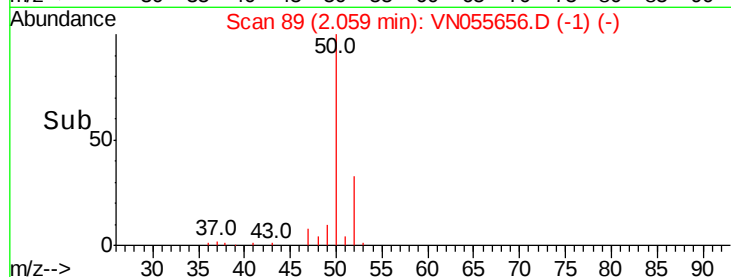
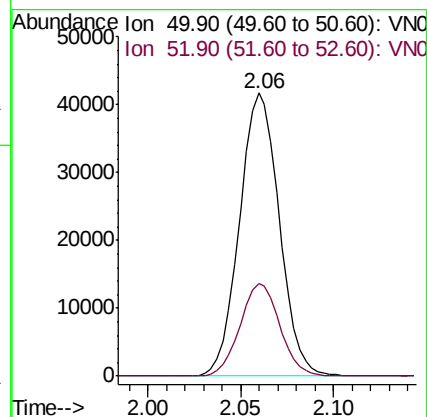
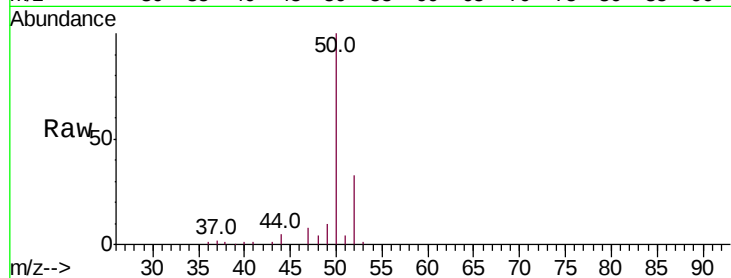
52 32.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.548 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055656.D

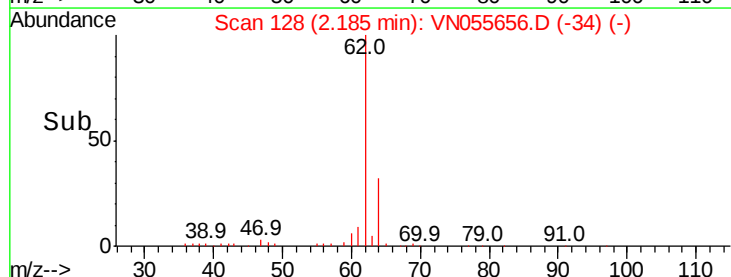
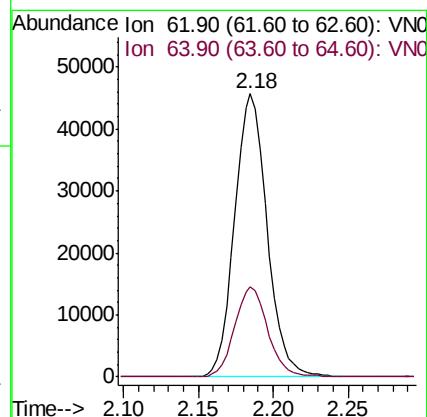
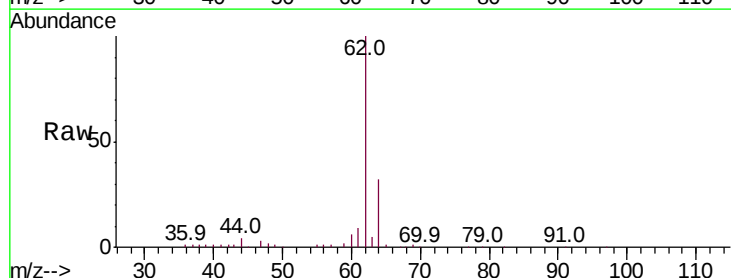
Acq: 18 May 2019 10:24

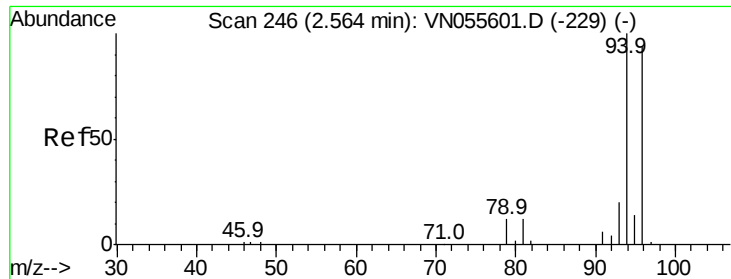
Tgt Ion: 62 Resp: 68983

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 21.414 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

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Tot Ion: 94 Resp: 48161

Ion Ratio Lower Upper

94 100

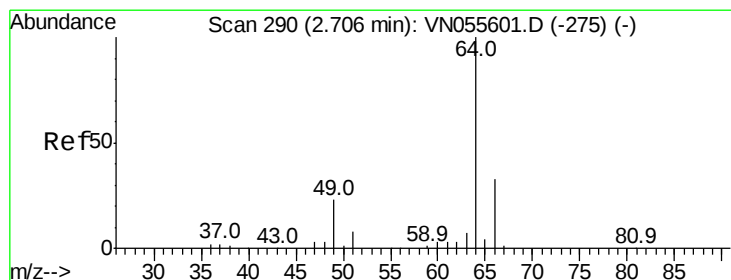
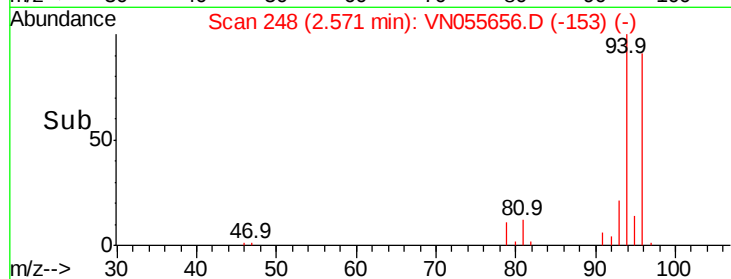
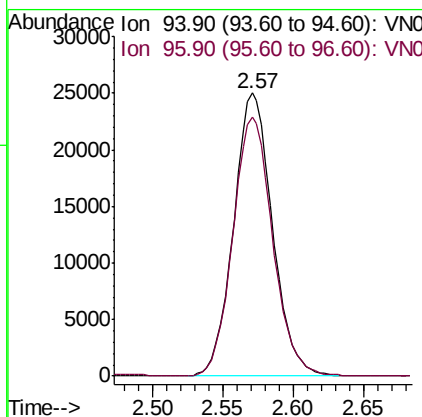
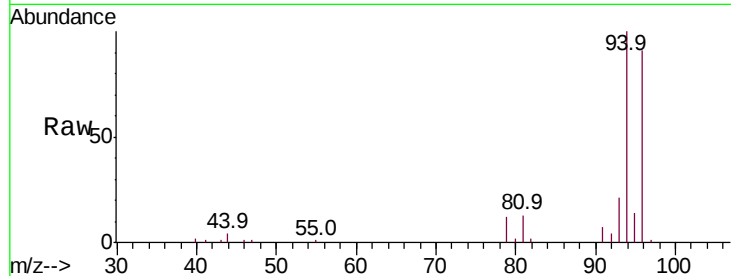
96 91.5 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.404 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN055656.D

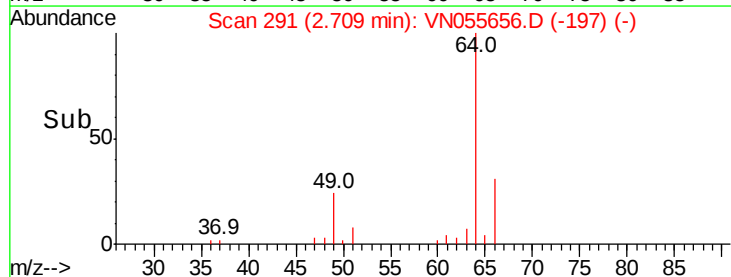
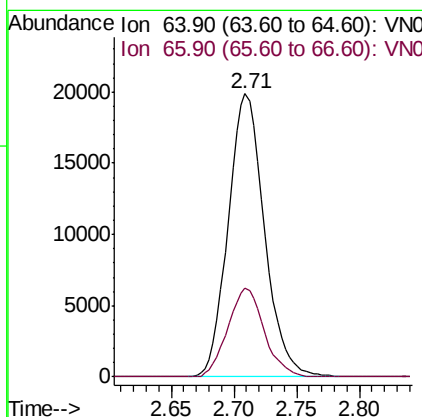
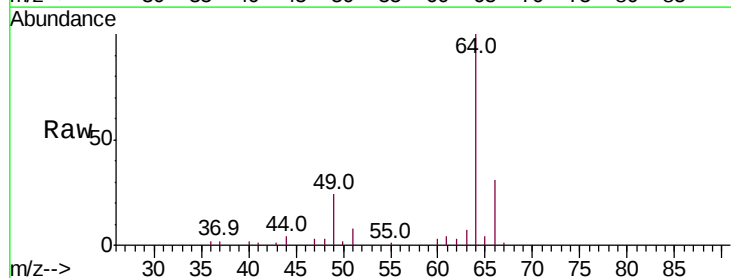
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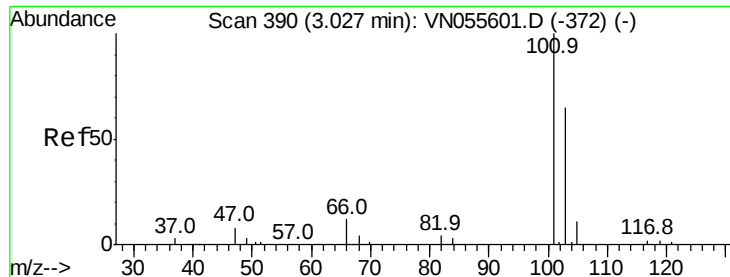
Tgt Ion: 64 Resp: 39980

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.4





#7

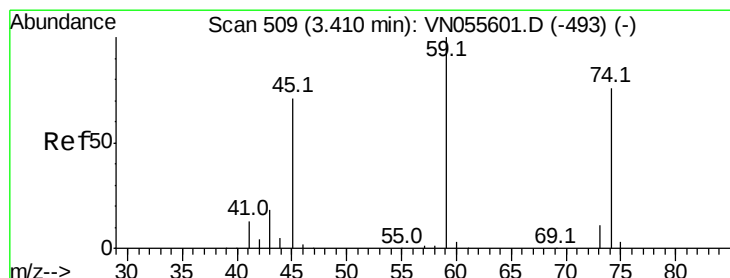
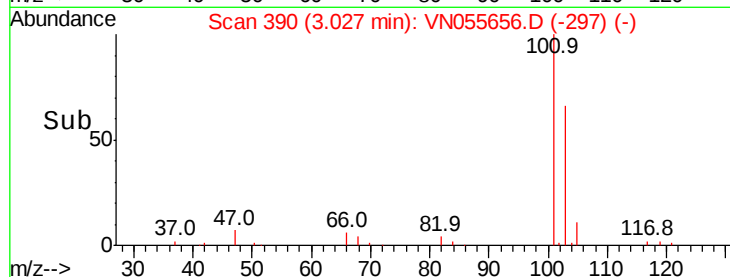
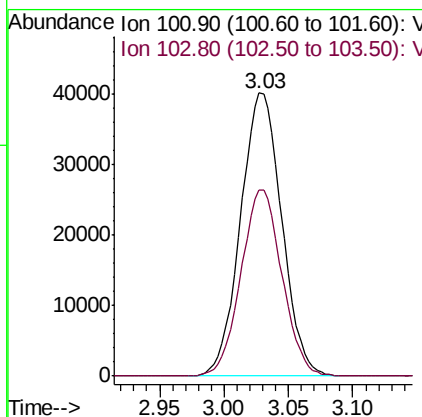
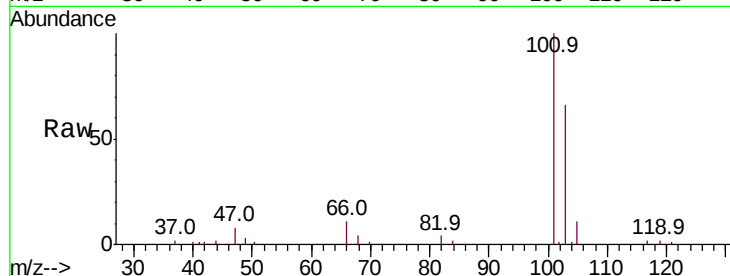
Trichlorofluoromethane
 Concen: 19.770 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.3	78.5

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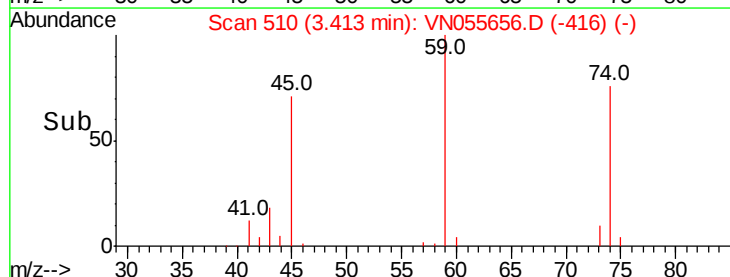
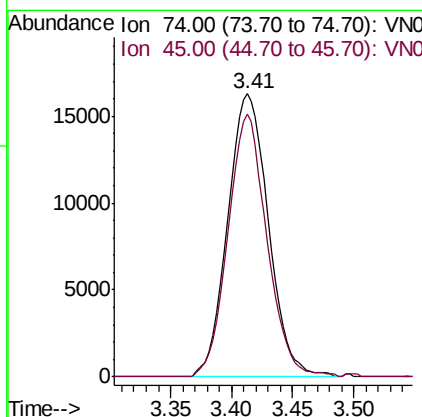
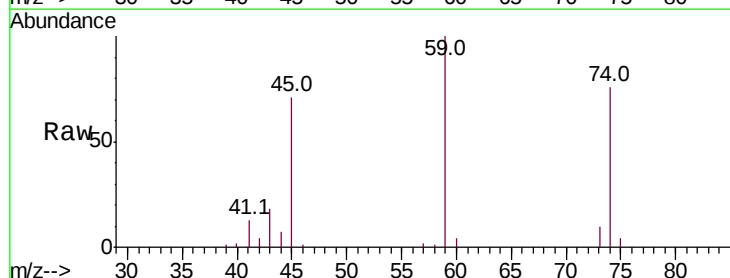
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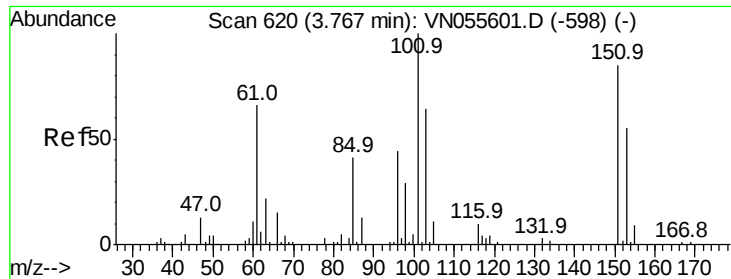


#8

Diethyl Ether
 Concen: 20.754 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.864 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN055656.D

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Instrument :

MSVOA_N

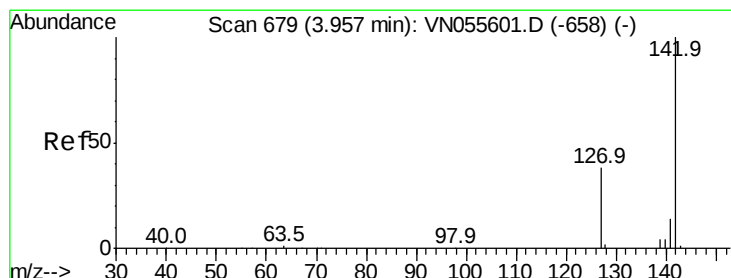
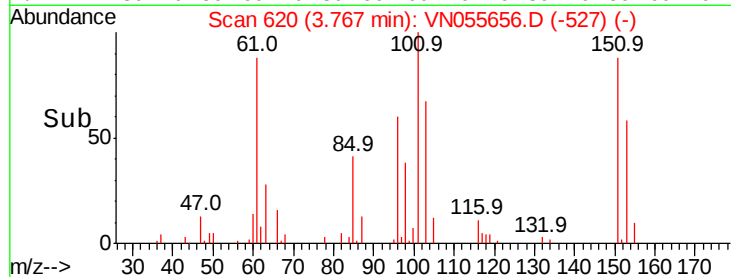
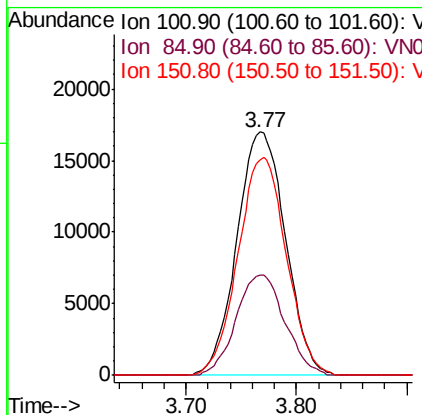
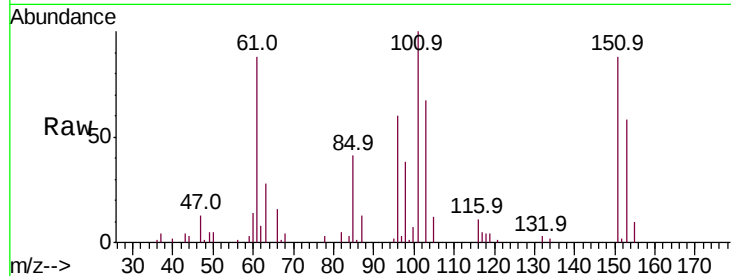
ClientSampleId :

VN0517WBSD02

Tot Ion:	101	Resp:	52007
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	89.0	69.3	103.9

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#10

Methyl Iodide

Concen: 16.425 ug/l

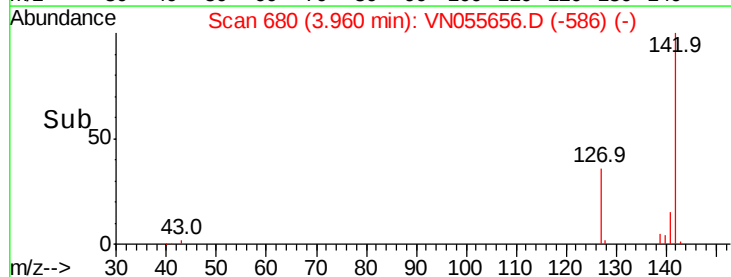
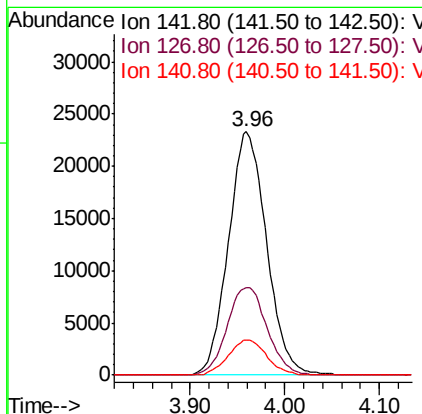
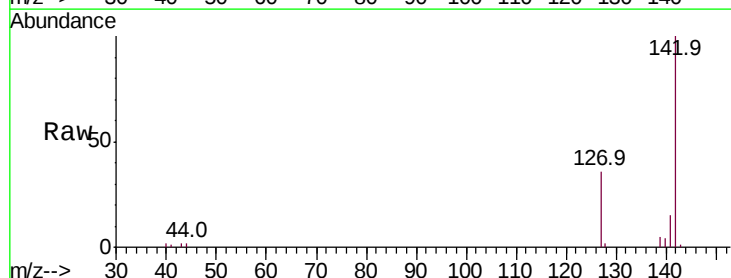
RT: 3.96 min Scan# 680

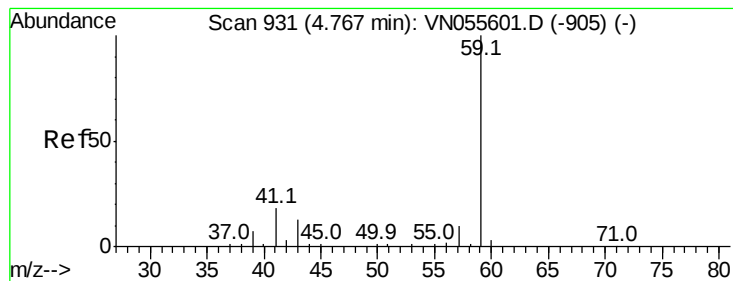
Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	142	Resp:	65282
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.0	46.4
141	14.3	11.5	17.3





#11

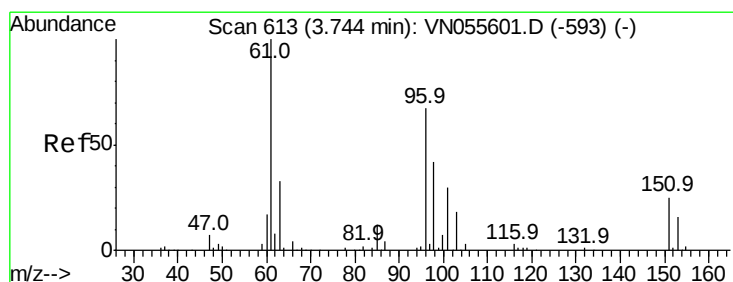
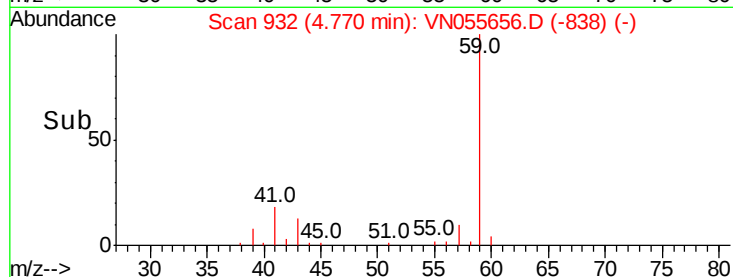
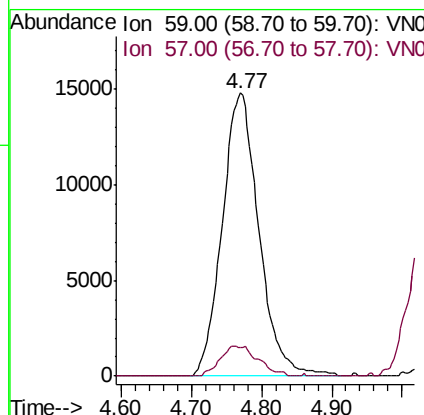
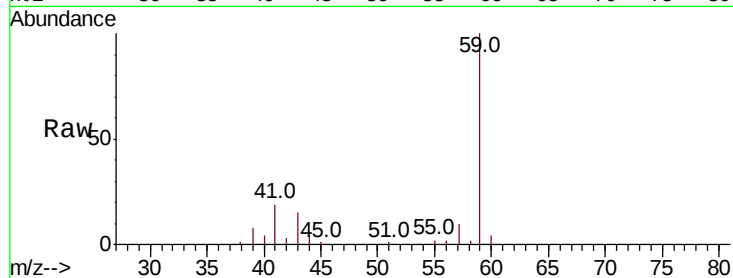
Tert butyl alcohol
 Concen: 82.818 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	7.8	11.6#

Manual Integrations
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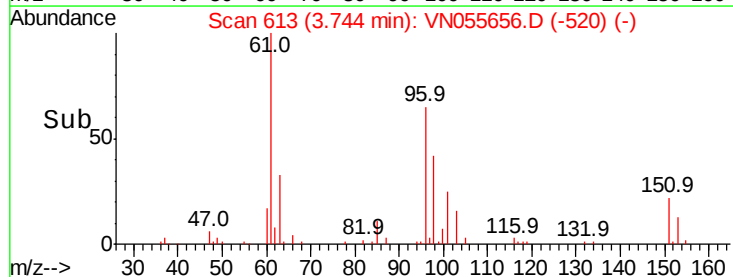
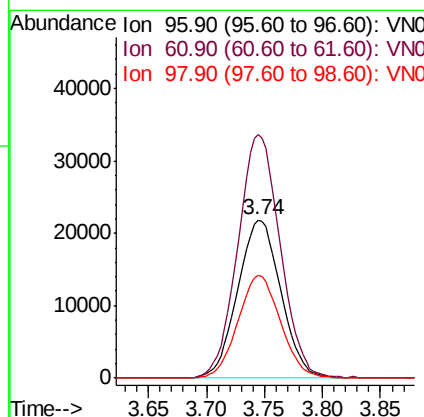
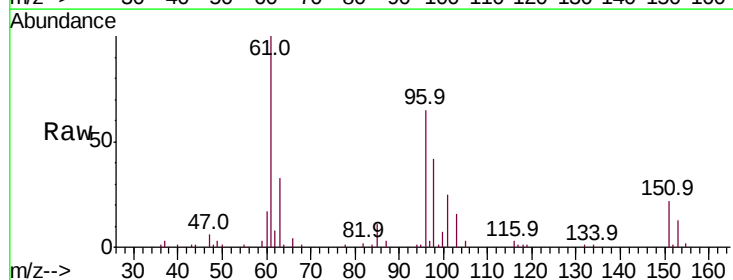
MMDadoda
 5/20/2019 9:07:58 AM

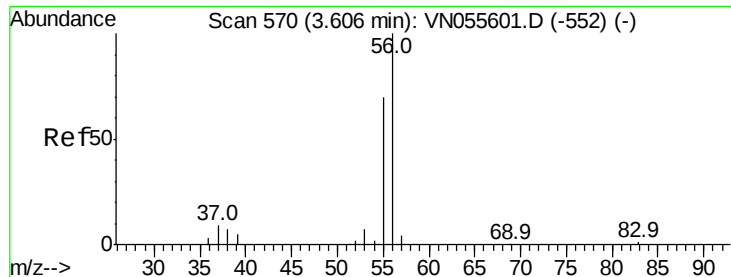


#12

1,1-Dichloroethene
 Concen: 19.510 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	120.2	180.2
98	65.2	50.6	75.8





#13

Acrolein

Concen: 85.695 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion: 56 Resp: 28078

Ion Ratio Lower Upper

56 100

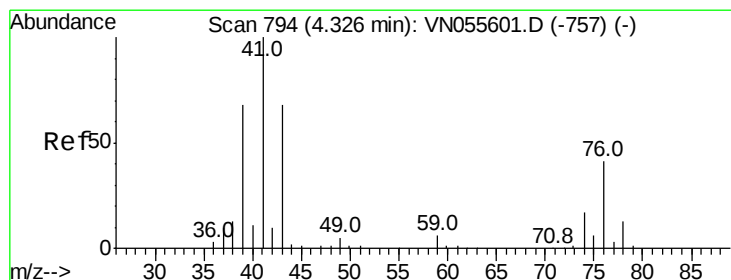
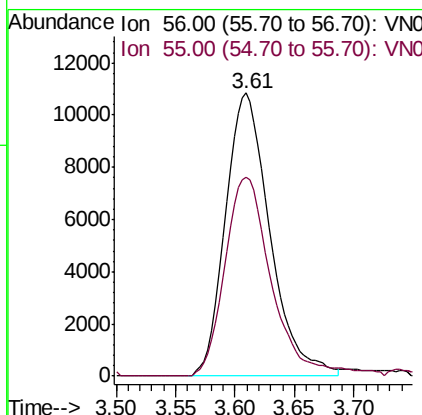
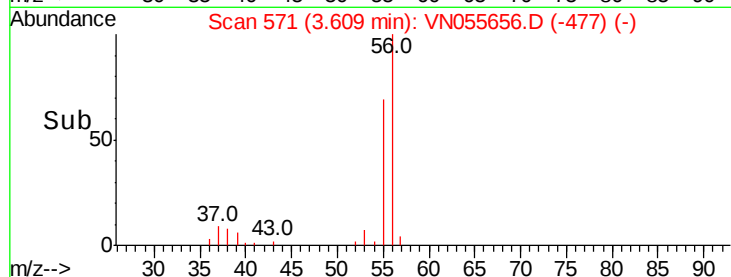
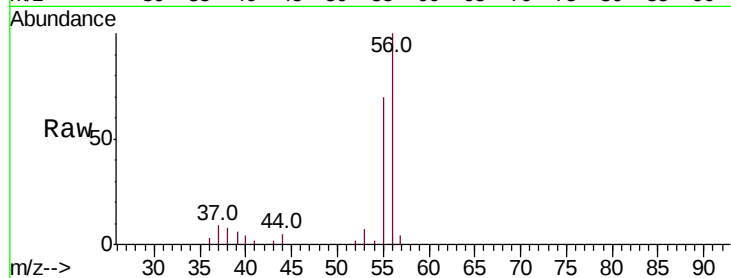
55 74.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 17.673 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

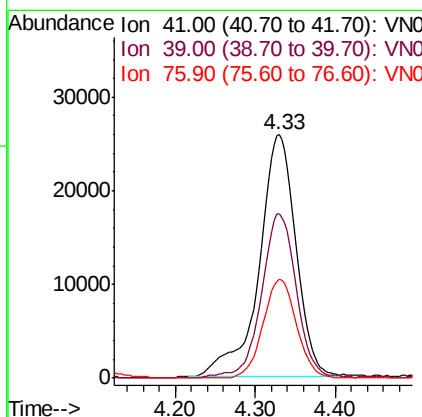
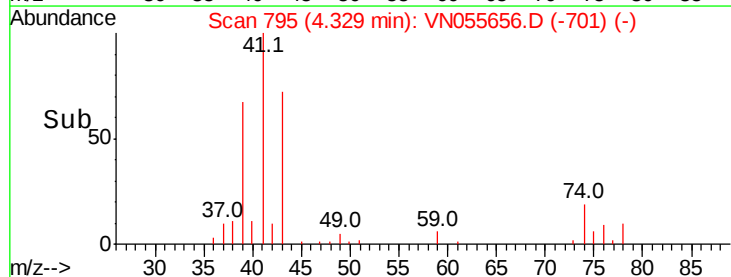
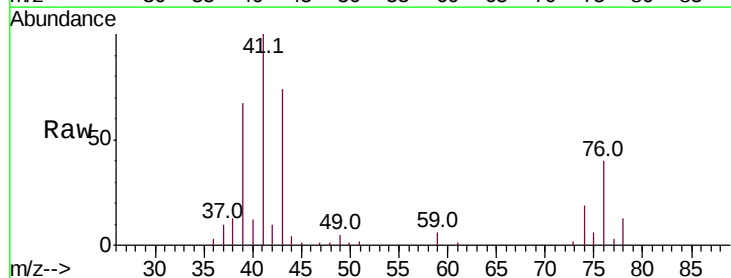
Tgt Ion: 41 Resp: 82743

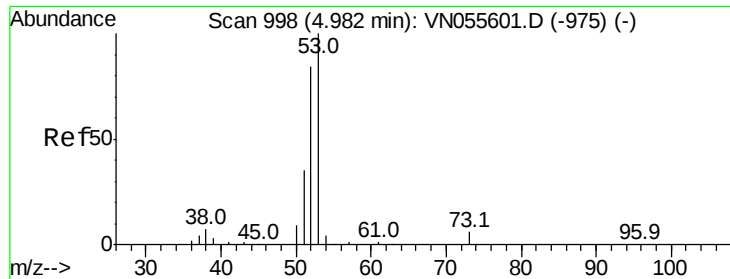
Ion Ratio Lower Upper

41 100

39 64.4 50.5 75.7

76 37.0 29.2 43.8





#15

Acrylonitrile

Concen: 99.140 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

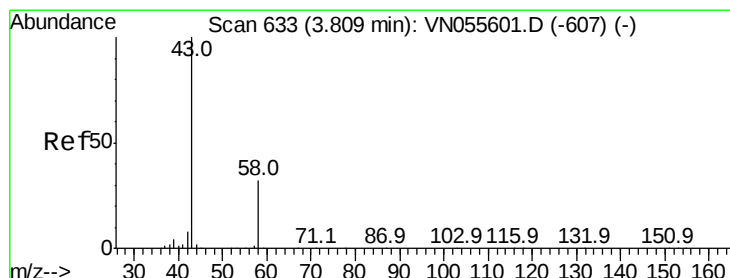
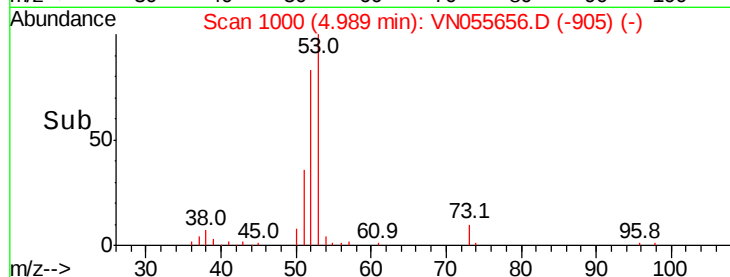
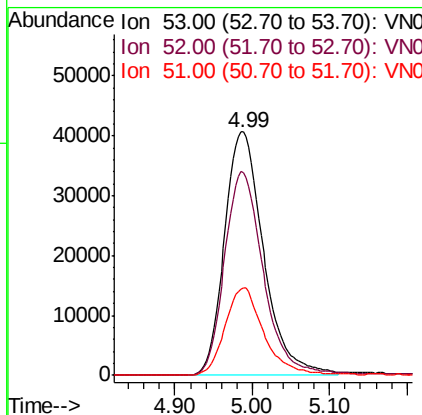
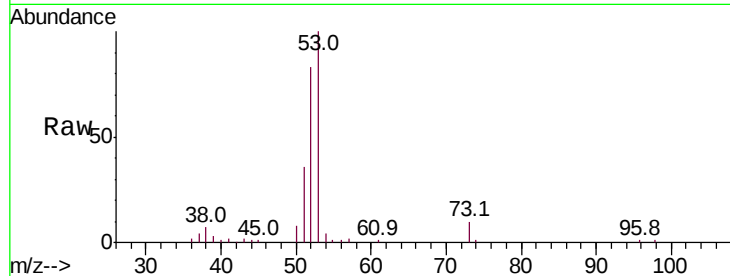
ClientSampleId :

VN0517WBSD02

Tot Ion:	53	Resp:	143184
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.4
51	35.6	28.5	42.7

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#16

Acetone

Concen: 83.140 ug/l

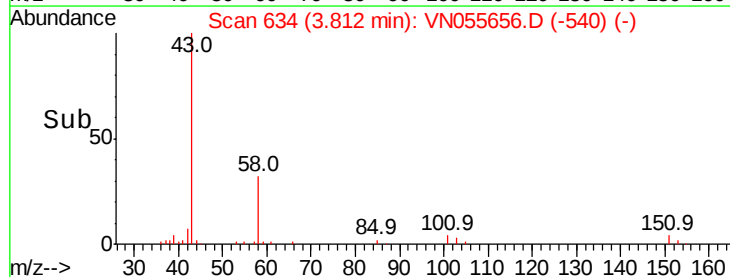
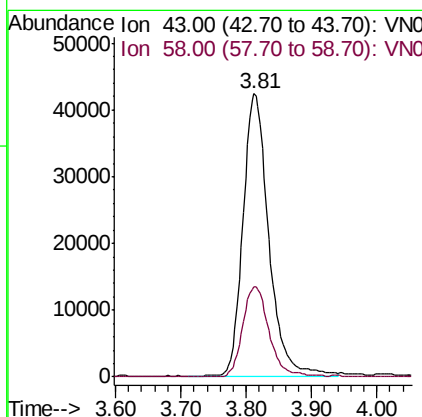
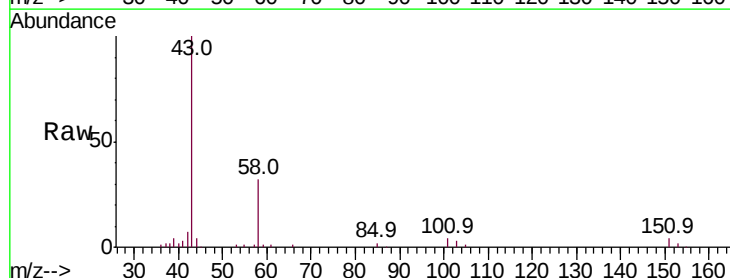
RT: 3.81 min Scan# 634

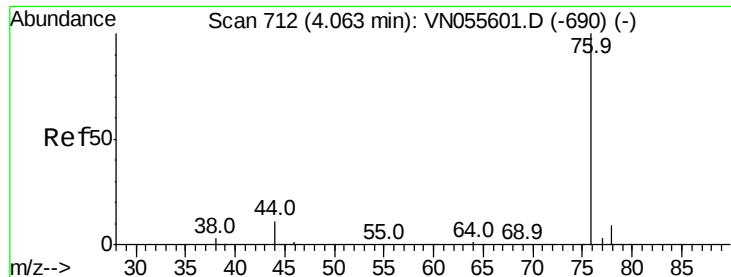
Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	43	Resp:	118109
Ion Ratio	Lower	Upper	
43	100		
58	31.8	26.0	39.0





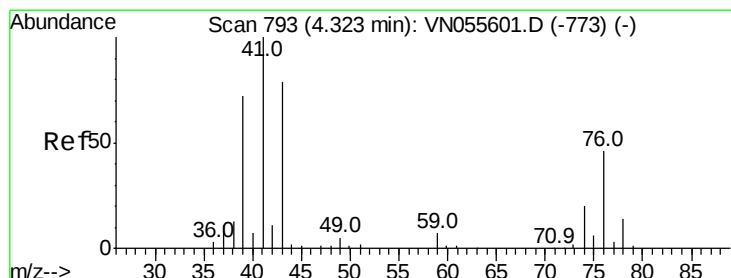
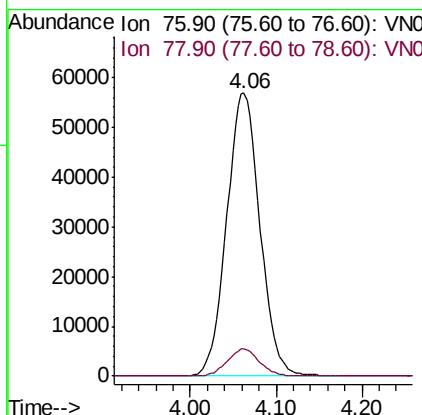
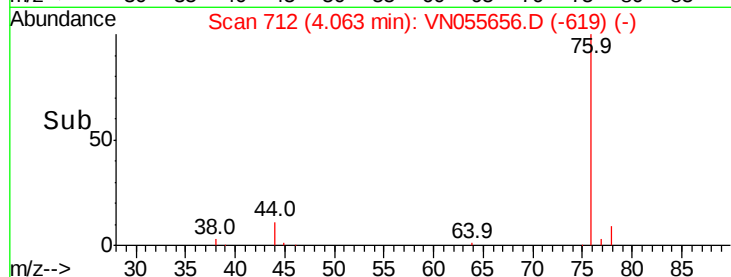
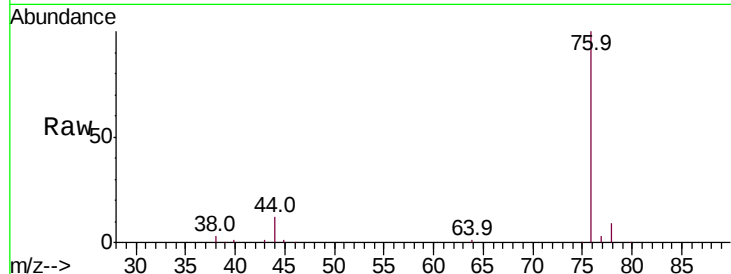
#17
Carbon Disulfide
Concen: 18.941 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion: 76 Resp: 152708
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

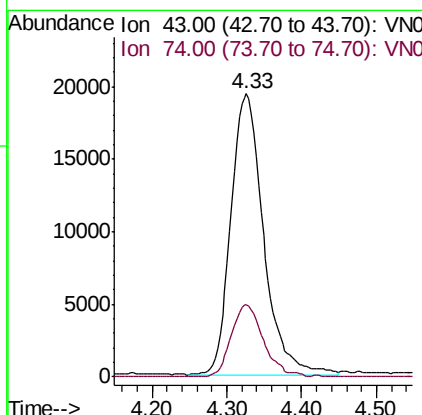
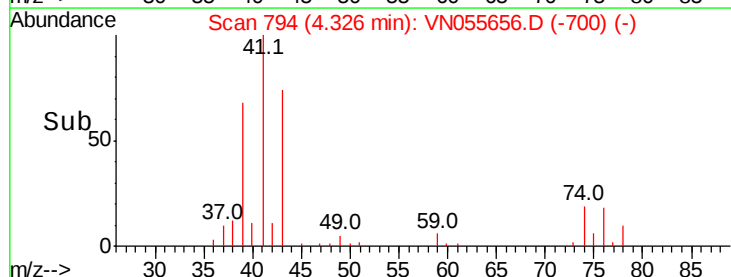
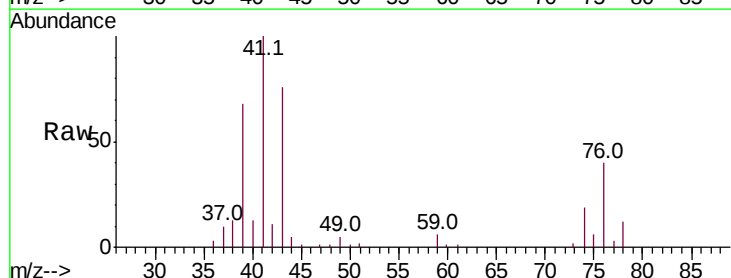
Manual Integrations
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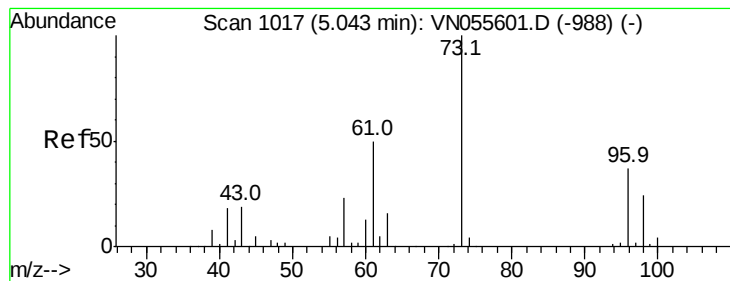
MMDadoda
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#18
Methyl Acetate
Concen: 19.314 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion: 43 Resp: 58822
Ion Ratio Lower Upper
43 100
74 25.3 19.9 29.9





#19

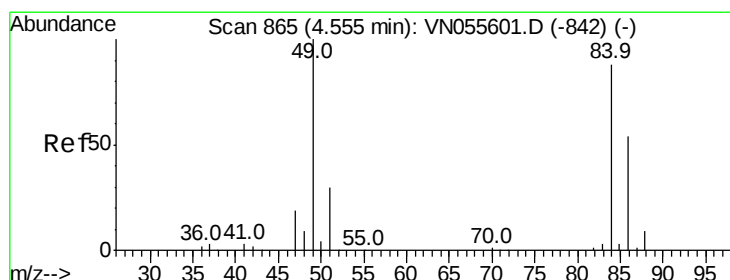
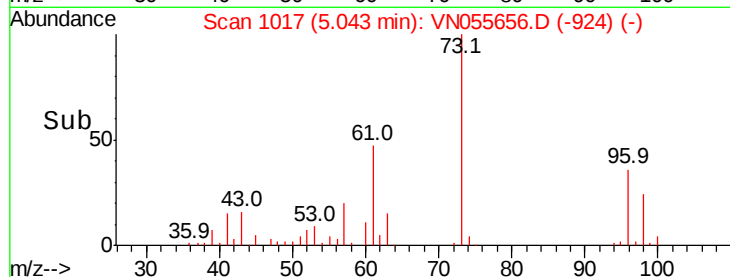
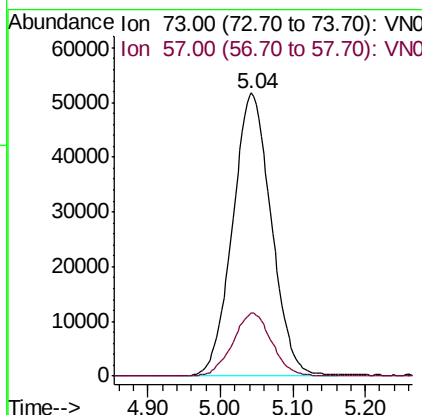
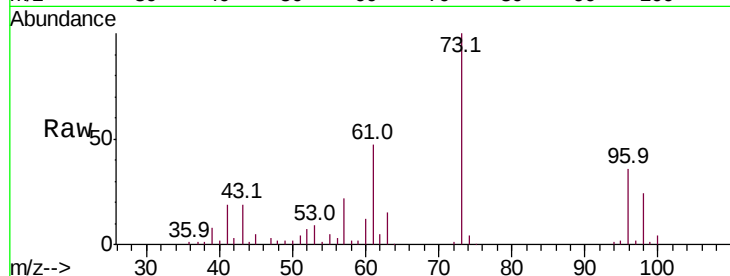
Methyl tert-butyl Ether
 Concen: 19.986 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	73	Resp	191750
Ion Ratio	100	Lower	Upper
57	22.3	18.2	27.2

Manual Integrations
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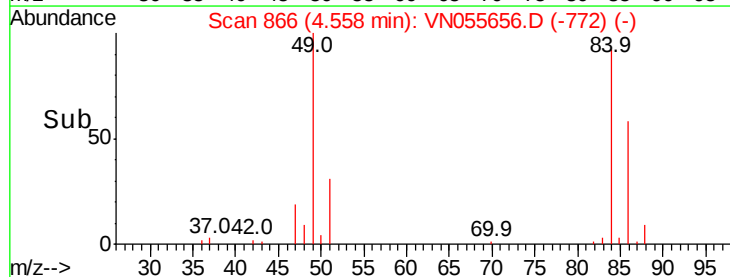
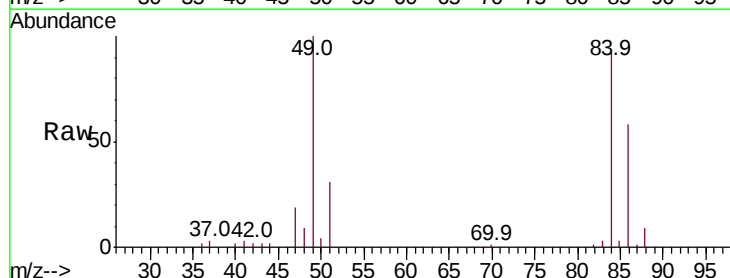
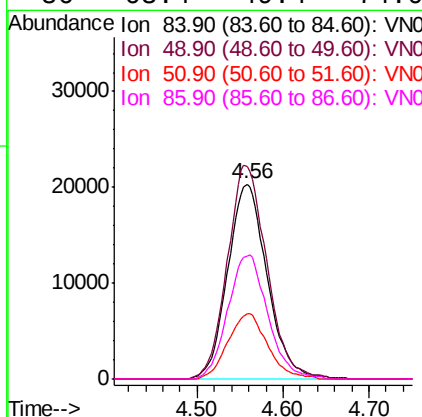
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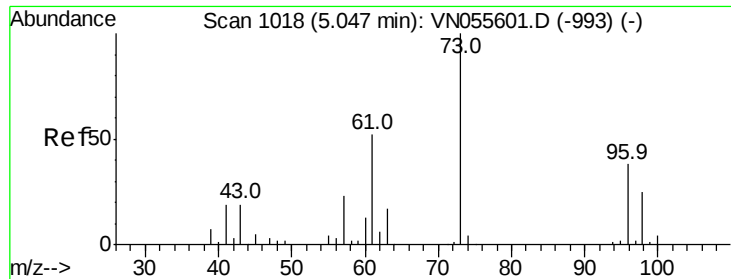


#20

Methylene Chloride
 Concen: 20.028 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	84	Resp	64931
Ion Ratio	100	Lower	Upper
49	109.1	91.0	136.4
51	33.4	27.5	41.3
86	63.4	49.4	74.0





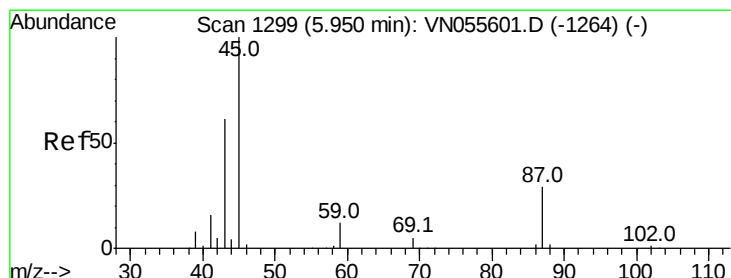
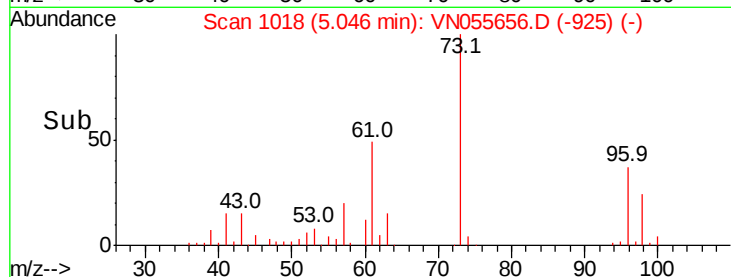
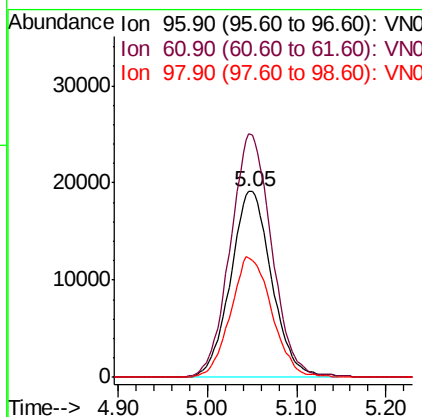
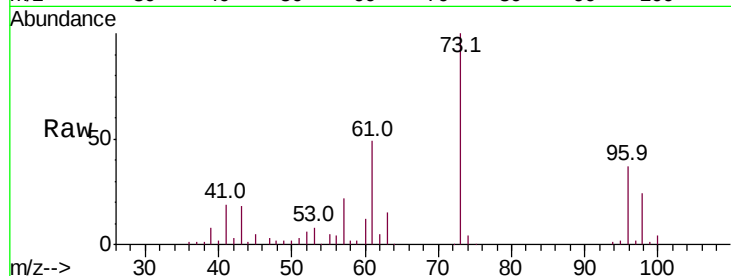
#21
trans-1,2-Dichloroethene
Concen: 19.878 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	108.6	162.8
98	64.3	51.4	77.0

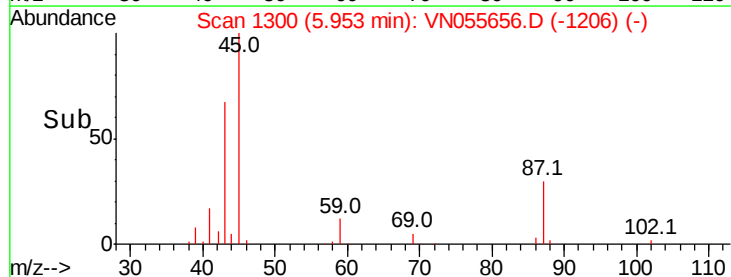
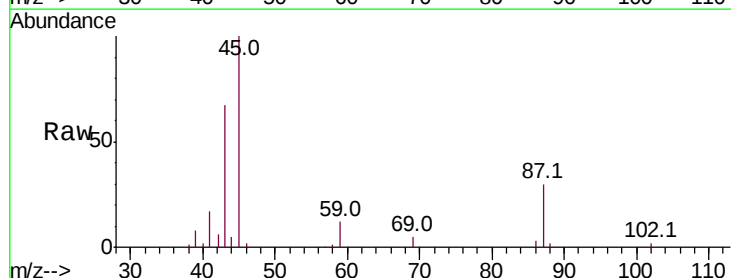
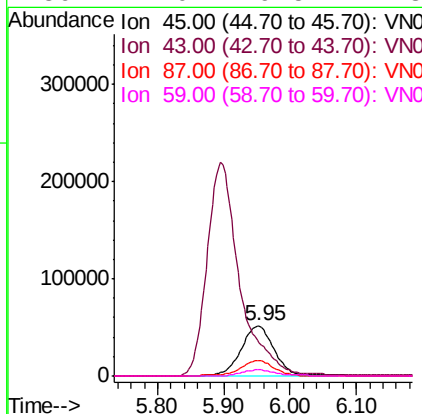
Manual Integrations
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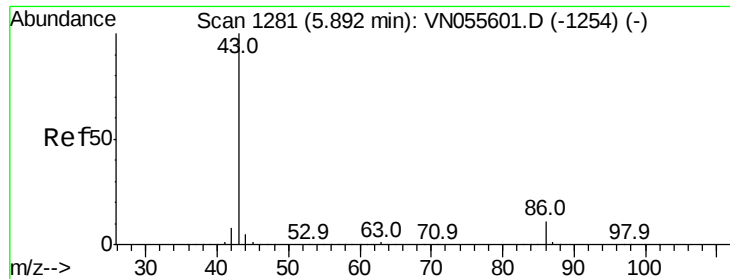
MMDadoda
5/20/2019 9:07:58 AM



#22
Diisopropyl ether
Concen: 19.408 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	50.4	75.6
87	29.8	23.8	35.6
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 95.849 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleID :

VN0517WBSD02

Tot Ion: 43 Resp: 754524

Ion Ratio Lower Upper

43 100

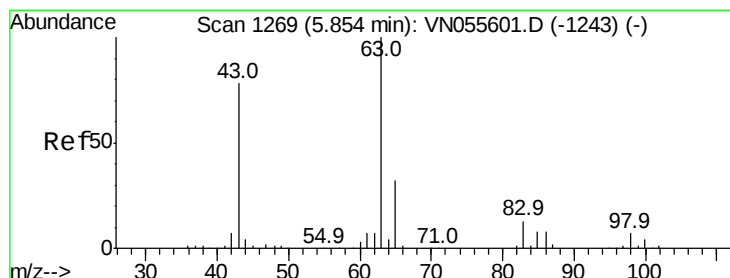
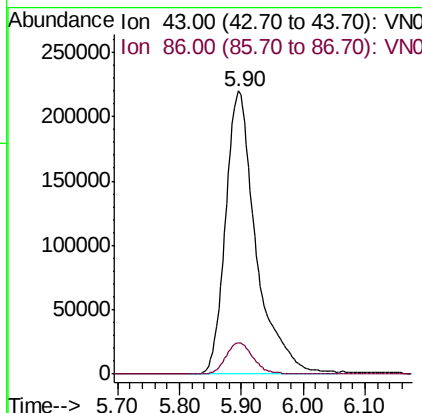
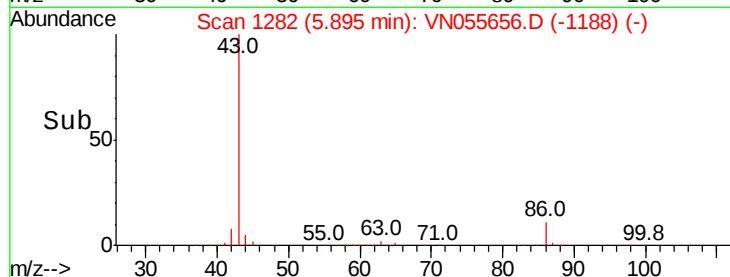
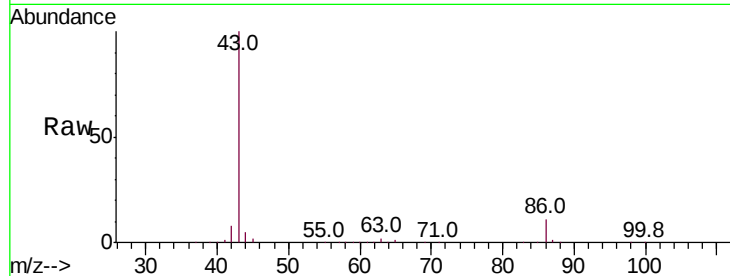
86 11.1 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.157 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

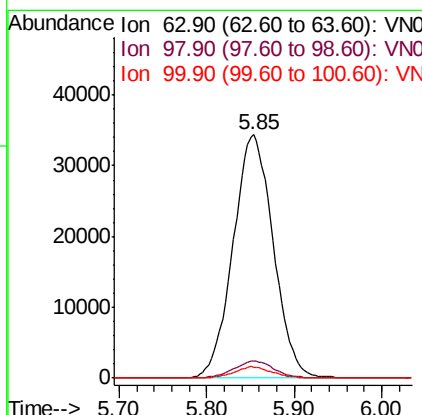
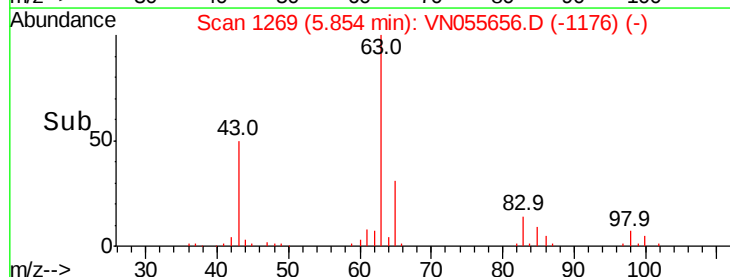
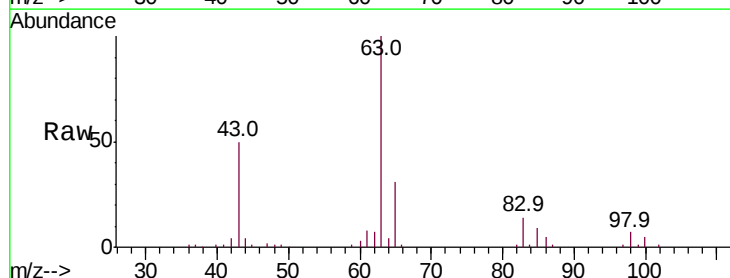
Tgt Ion: 63 Resp: 109647

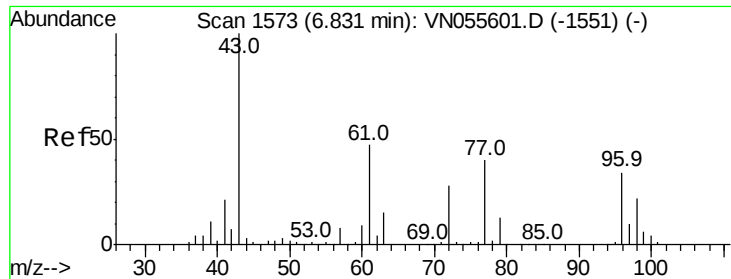
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.5 2.2 6.6





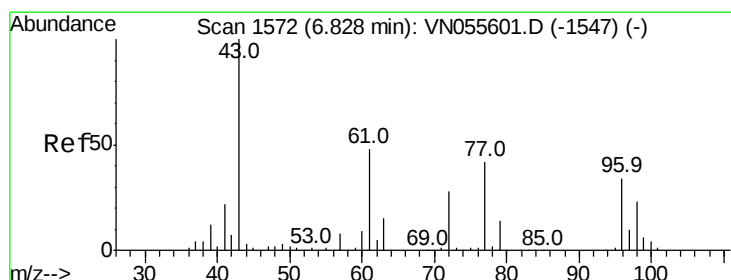
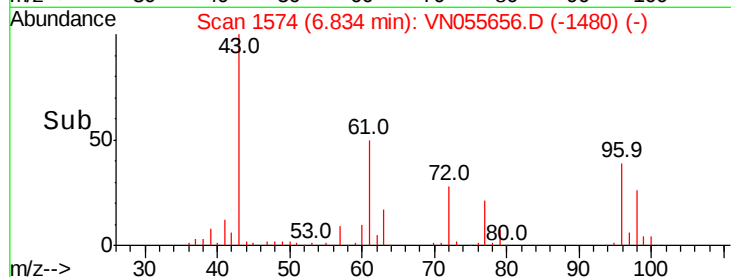
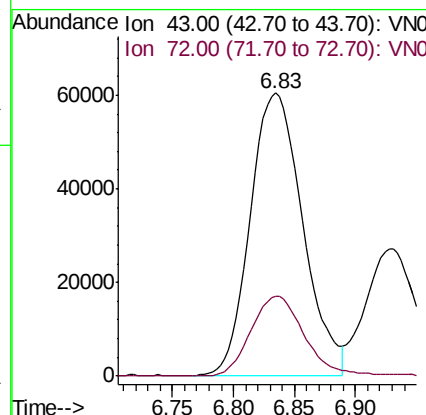
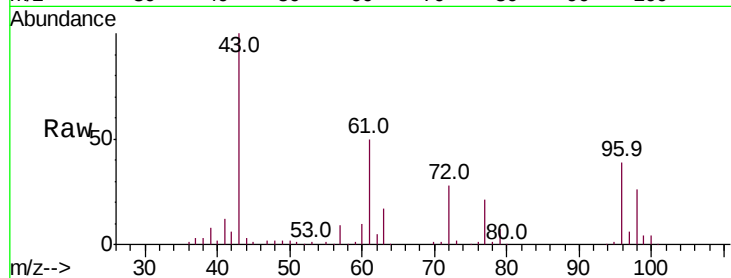
#25
2-Butanone
Concen: 90.402 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion: 43 Resp: 179566
Ion Ratio Lower Upper
43 100
72 28.3 22.3 33.5

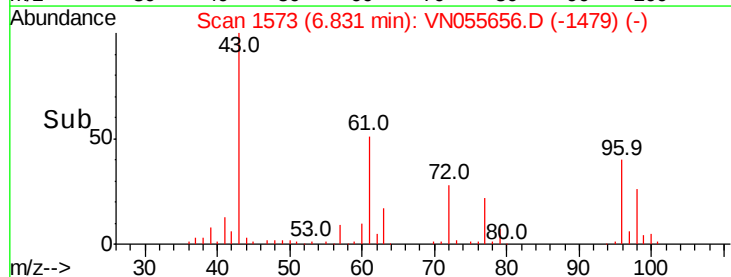
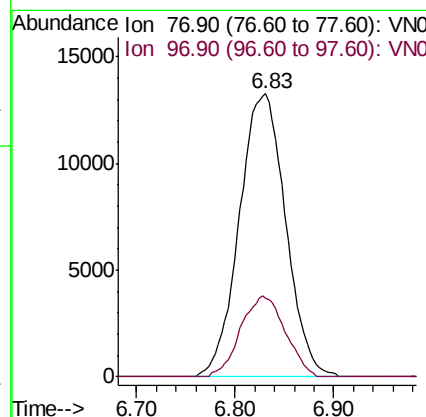
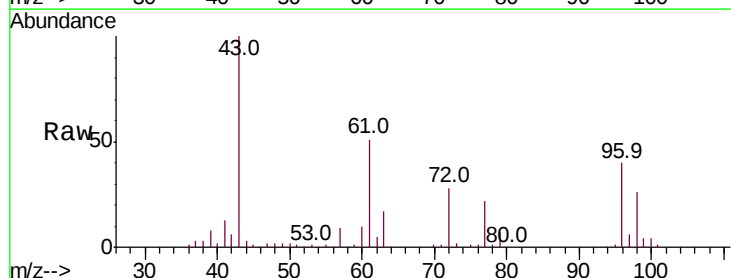
Manual Integrations
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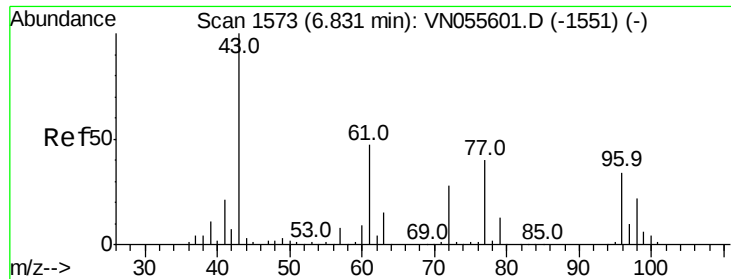
MMDadoda
5/20/2019 9:07:58 AM



#26
2,2-Dichloropropane
Concen: 8.962 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion: 77 Resp: 43268
Ion Ratio Lower Upper
77 100
97 27.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.909 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

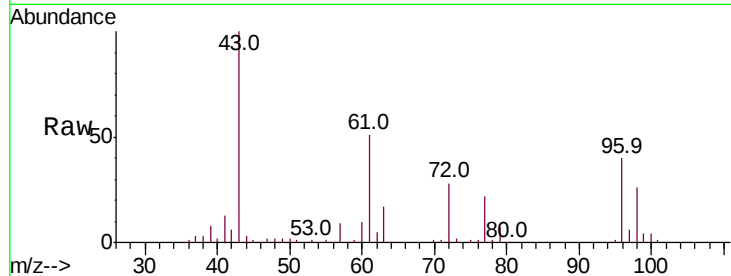
ClientSampleId :

VN0517WBSD02

Tot Ion:	96	Resp:	71623
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	279.0
98	64.4	0.0	131.6

Manual Integrations
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5/20/2019 9:07:58 AM

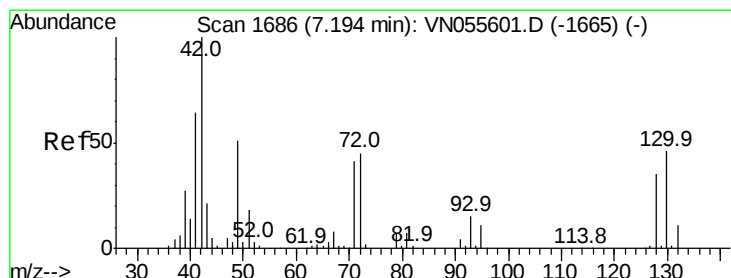
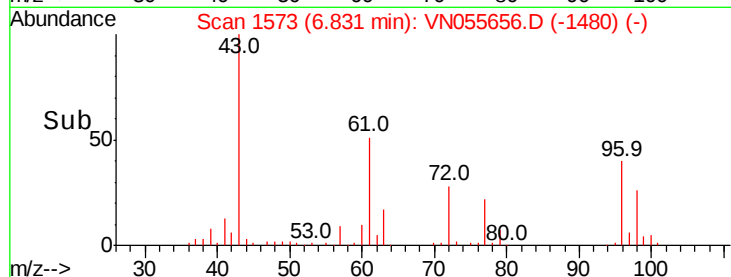
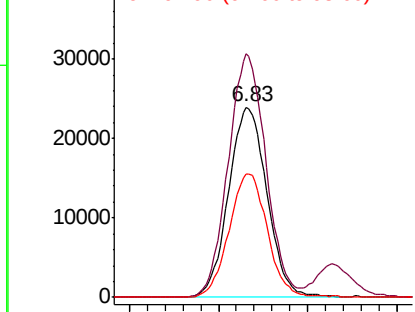


Abundance

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: 20.687 ug/l

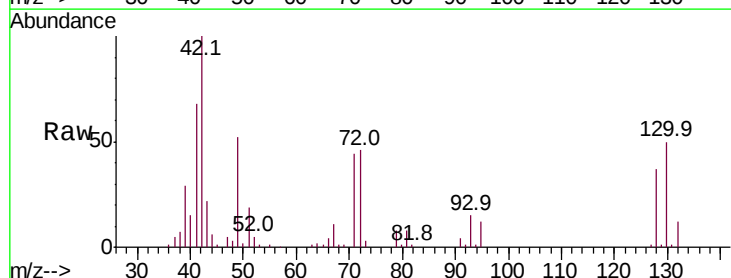
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	49	Resp:	48957
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	92.8	71.0	106.6

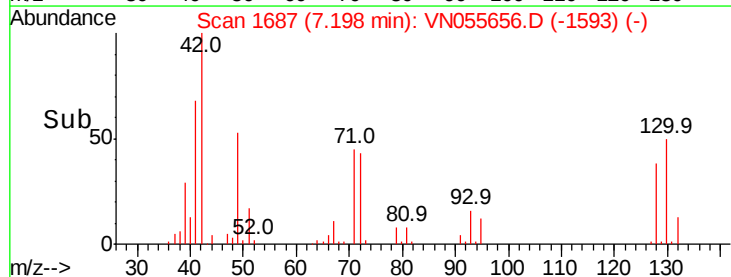
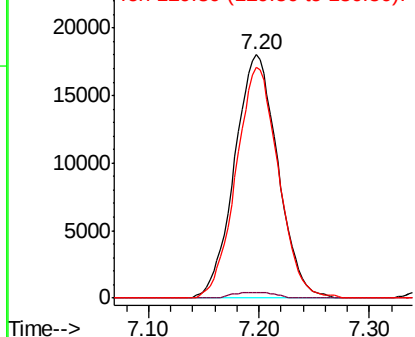


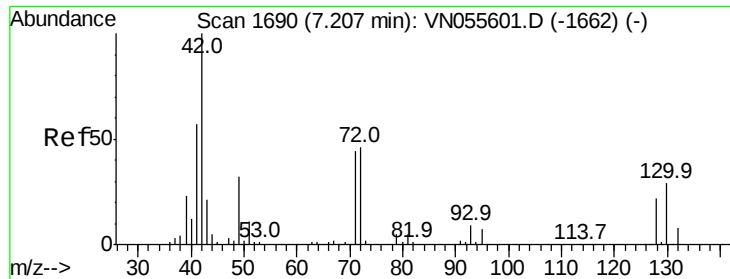
Abundance

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





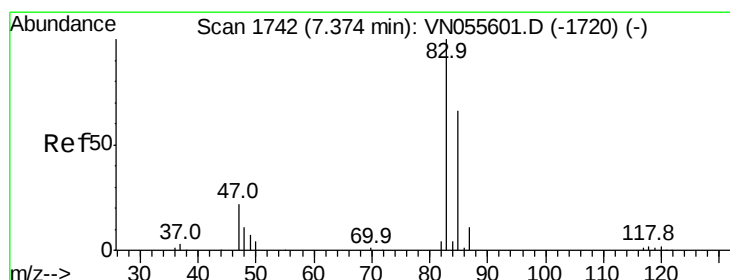
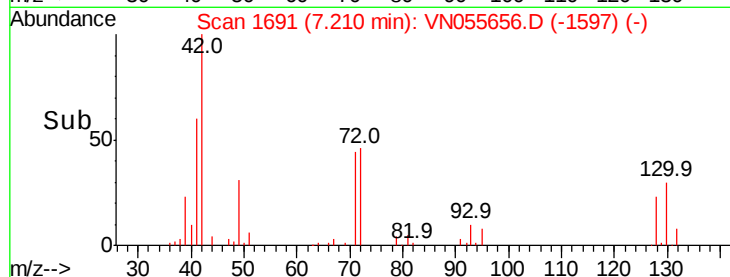
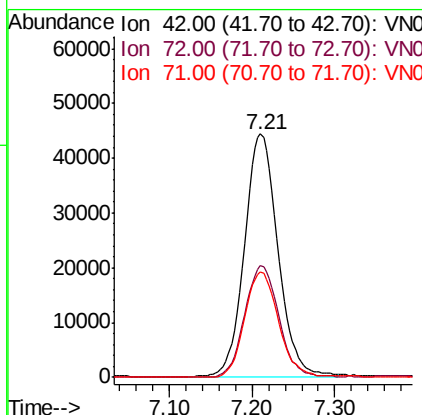
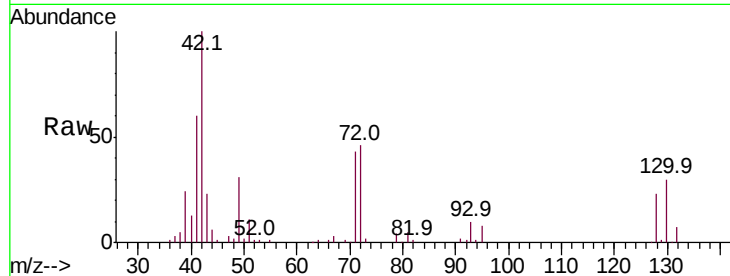
#29
Tetrahydrofuran
Concen: 95.281 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	36.5	54.7
71	43.6	34.9	52.3

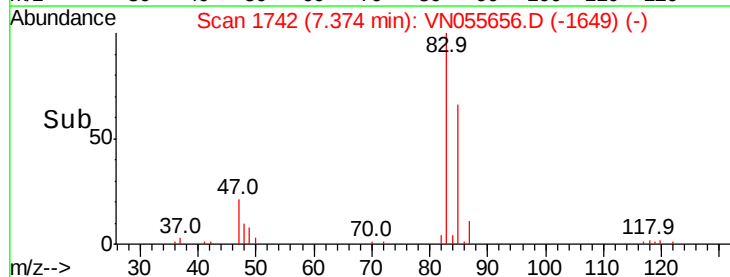
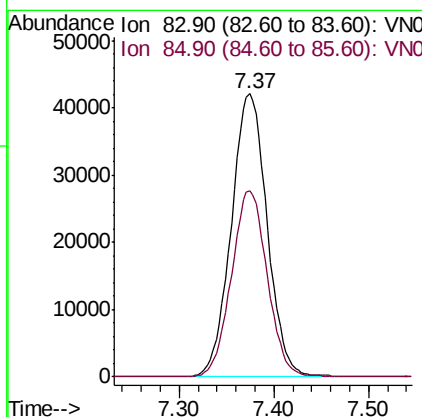
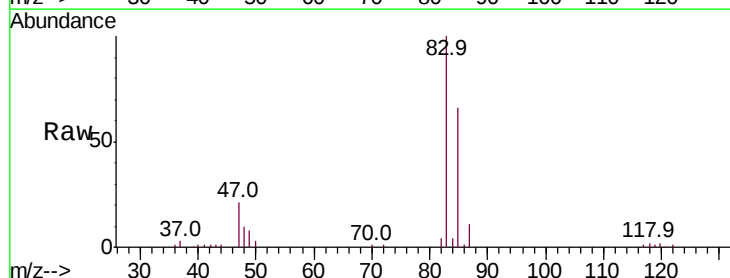
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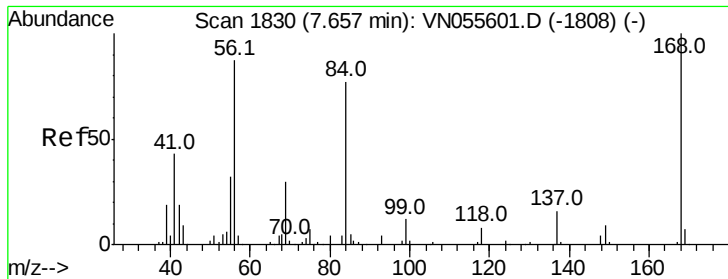
MMDadoda
5/20/2019 9:07:58 AM



#30
Chloroform
Concen: 19.876 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	78.8





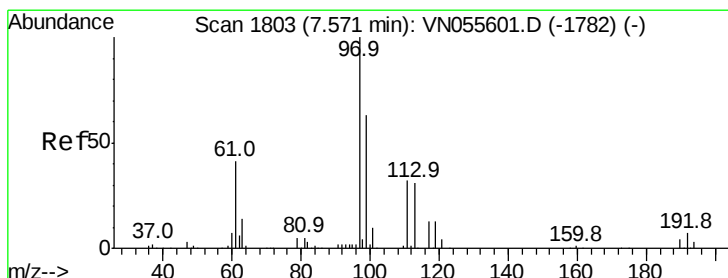
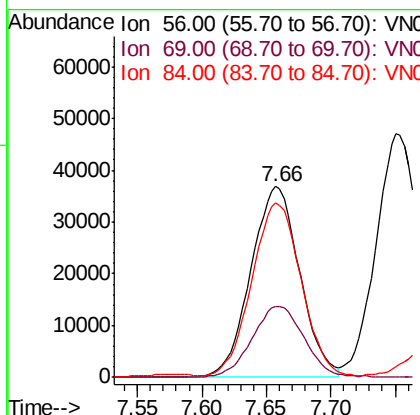
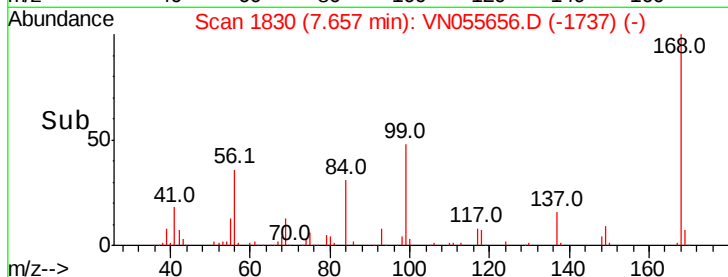
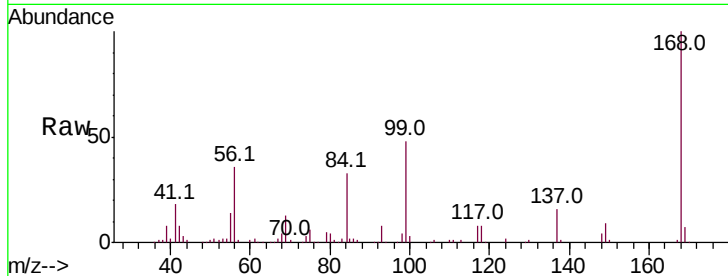
#31
Cyclohexane
Concen: 18.868 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	27.2	40.8
84	89.8	71.3	106.9

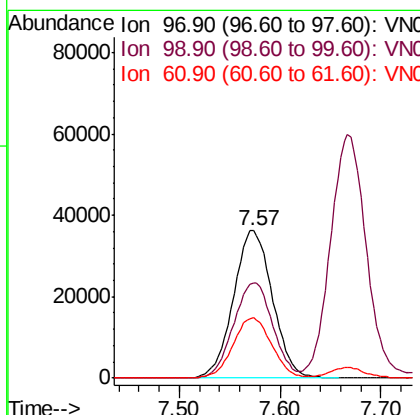
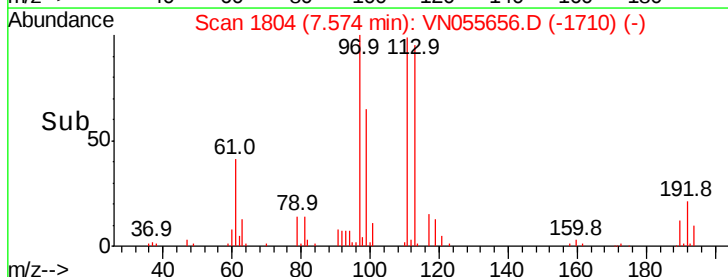
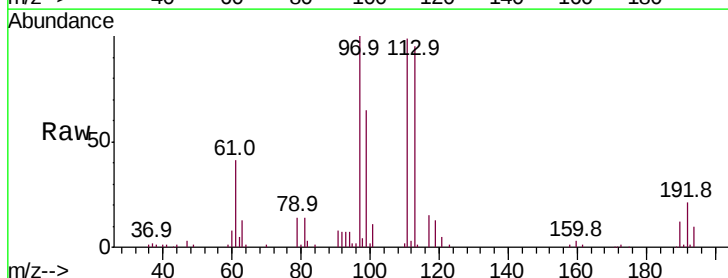
Manual Integrations
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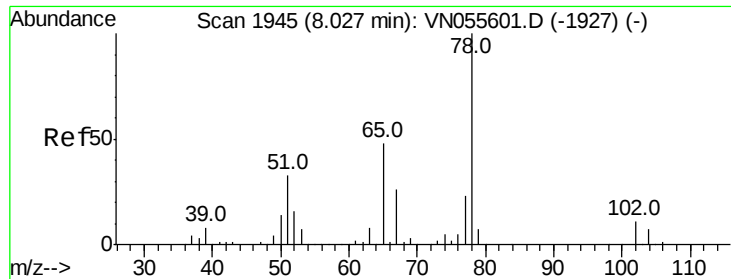
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#32
1,1,1-Trichloroethane
Concen: 19.474 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	40.6	32.9	49.3





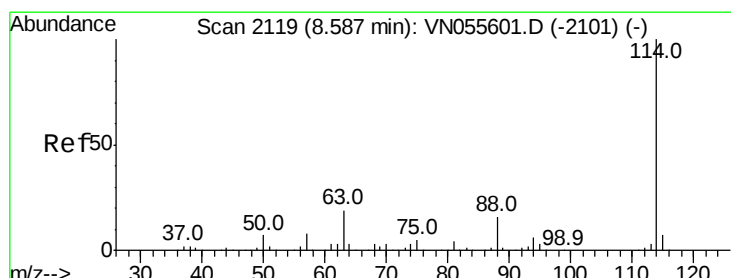
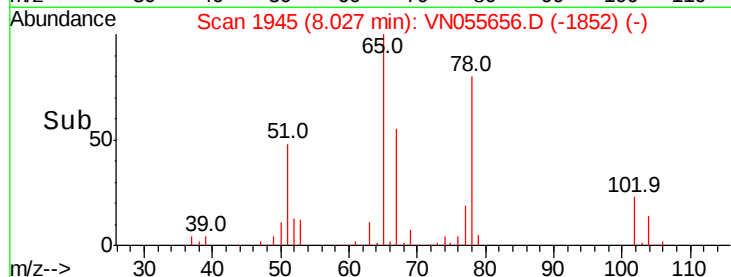
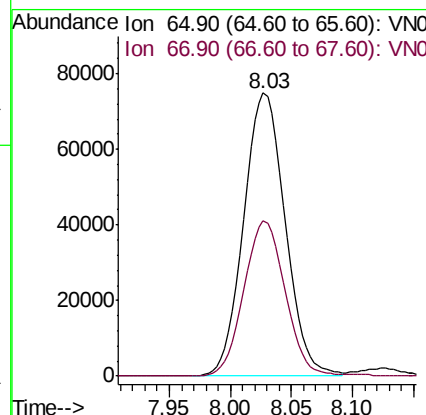
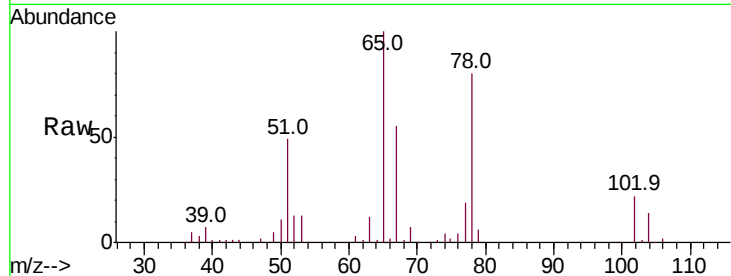
#33
 1,2-Dichloroethane-d4
 Concen: 50.677 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176409		
67	54.8	0.0	108.6	

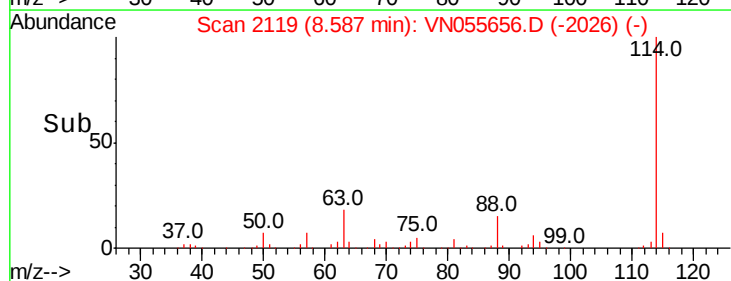
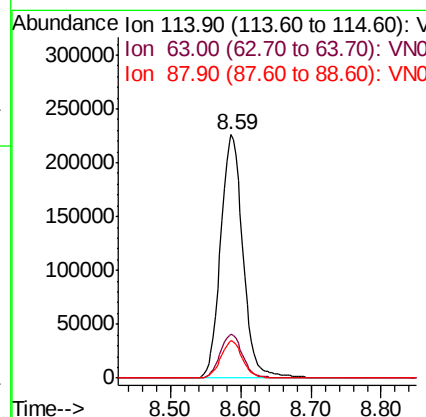
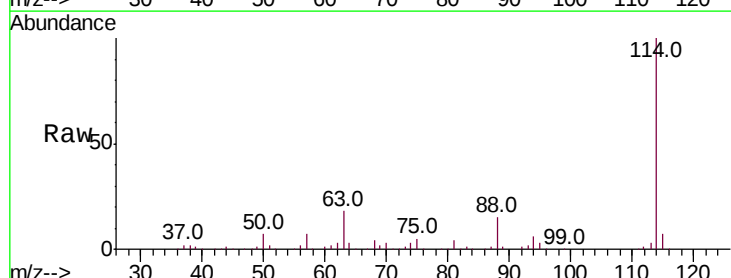
Manual Integrations
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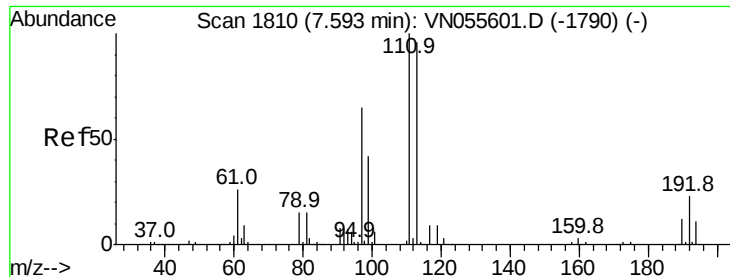
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 5/20/2019 9:07:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	498070		
63	18.2	0.0	38.2	
88	15.2	0.0	31.0	





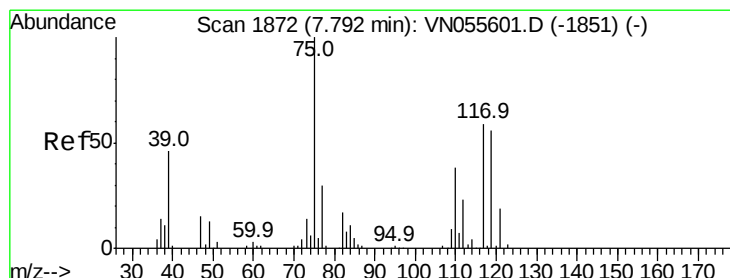
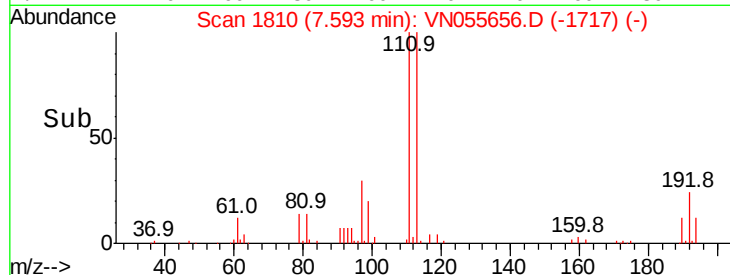
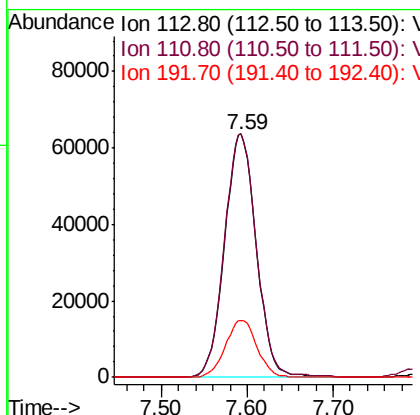
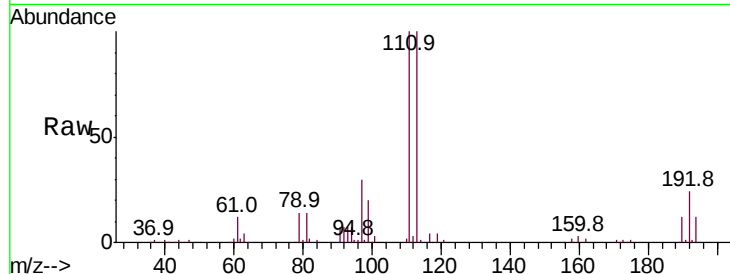
#35
Dibromofluoromethane
Concen: 51.352 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162475		
111	101.3	82.5	123.7	
192	23.4	18.7	28.1	

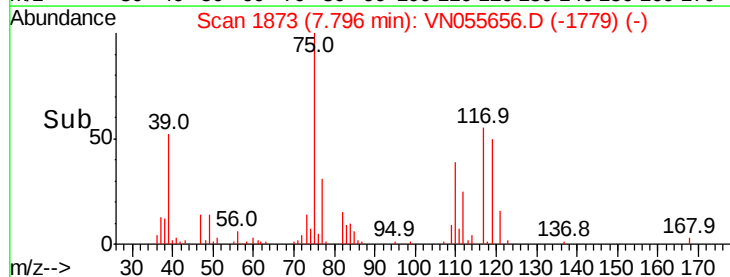
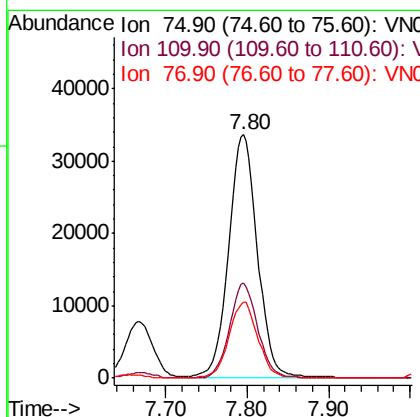
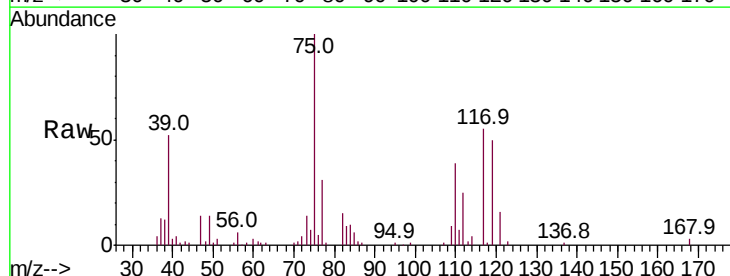
Manual Integrations
APPROVED

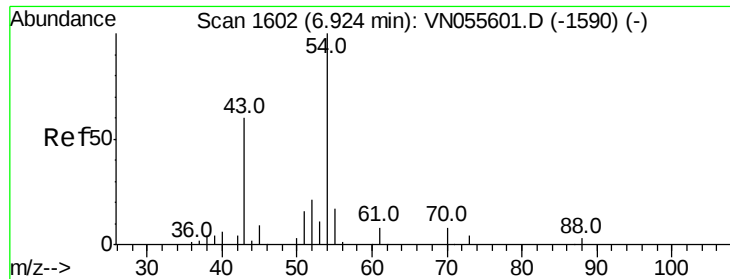
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#36
1,1-Dichloropropene
Concen: 18.767 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83335		
110	37.7	18.6	55.6	
77	31.3	24.9	37.3	





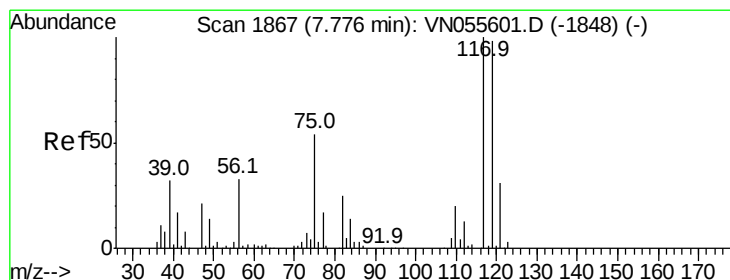
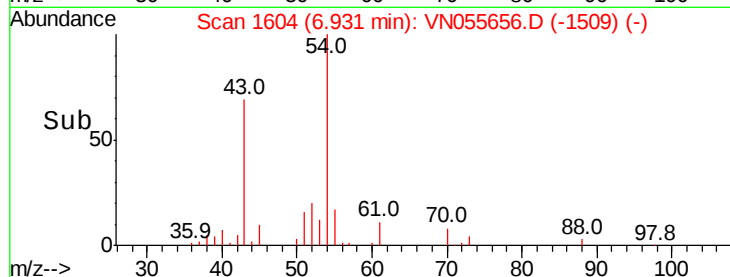
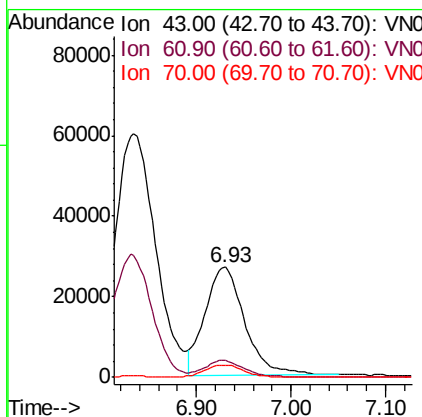
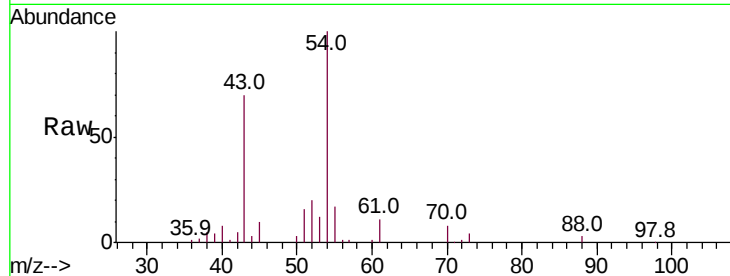
#37
Ethyl Acetate
Concen: 19.596 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.0
70	11.3	9.2	13.8

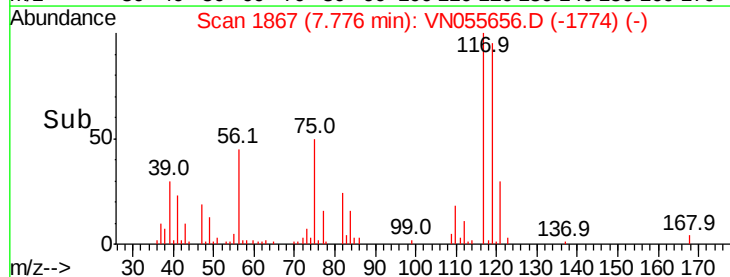
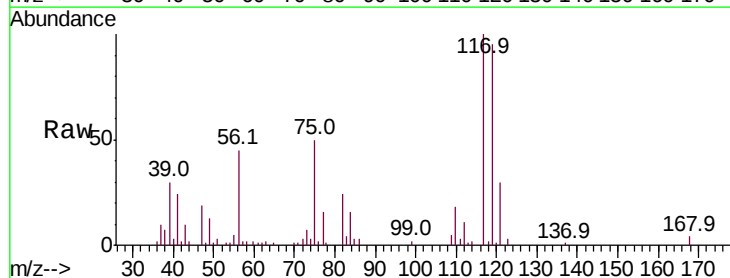
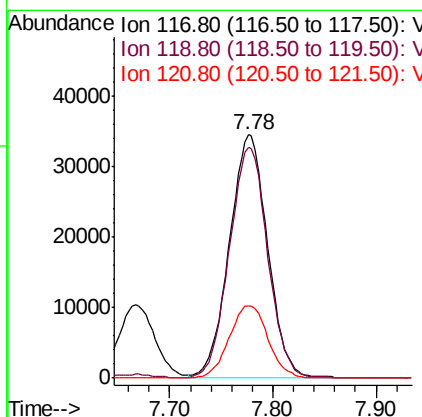
Manual Integrations
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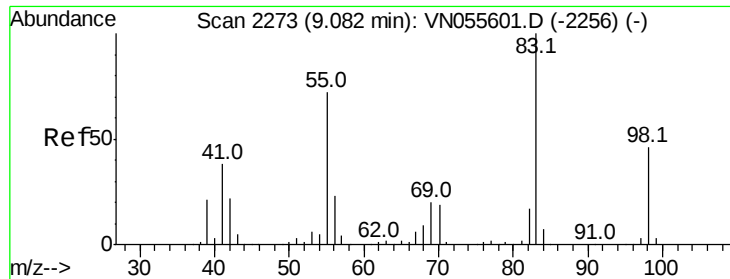
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#38
Carbon Tetrachloride
Concen: 18.827 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.8	116.8
121	29.8	24.6	37.0





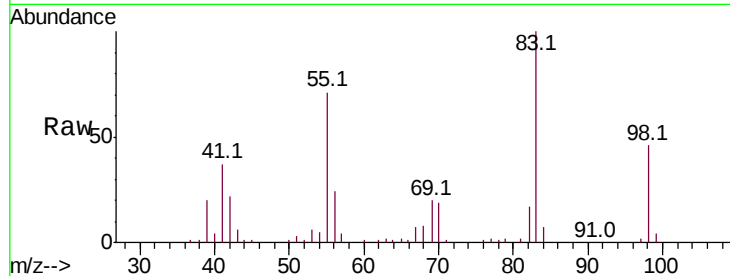
#39
Methvlcvclohexane
Concen: 17.363 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

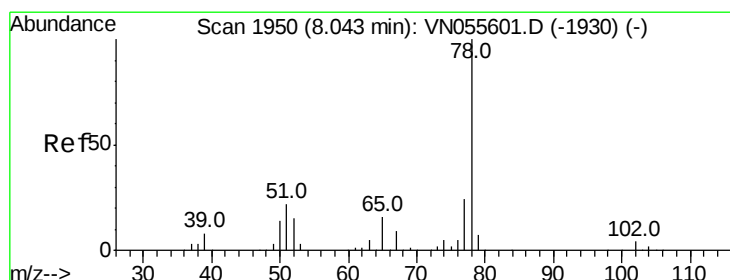
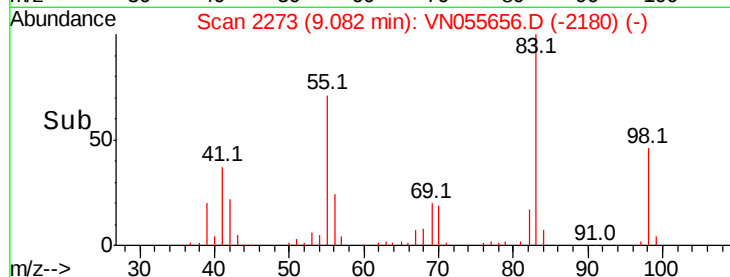
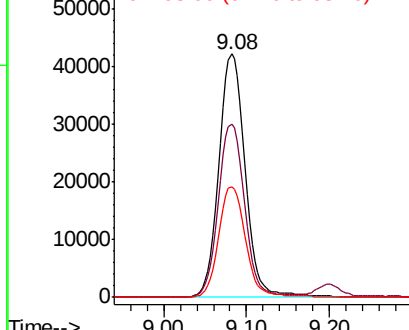
Tot Ion	83	Resp	92944
Ion Ratio	100	Lower	Upper
83	100		
55	71.1	57.8	86.6
98	45.6	36.7	55.1

Manual Integrations
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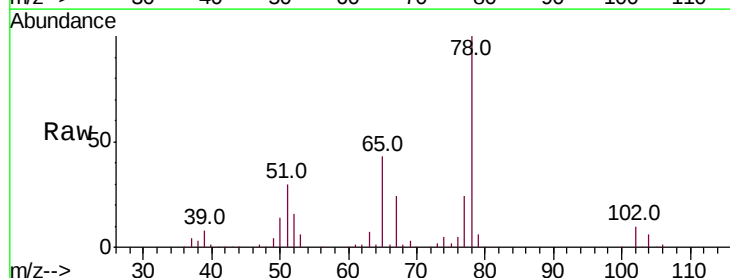


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

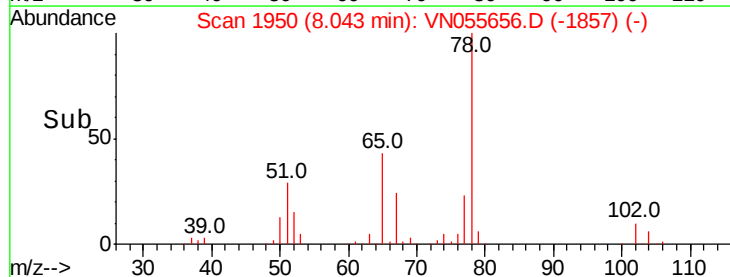
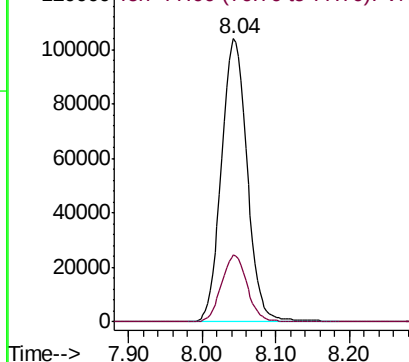


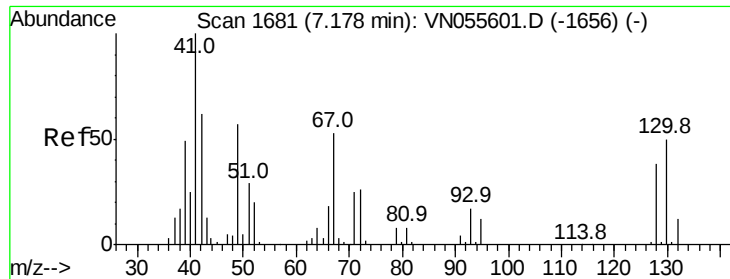
#40
Benzene
Concen: 19.401 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	78	Resp	253395
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





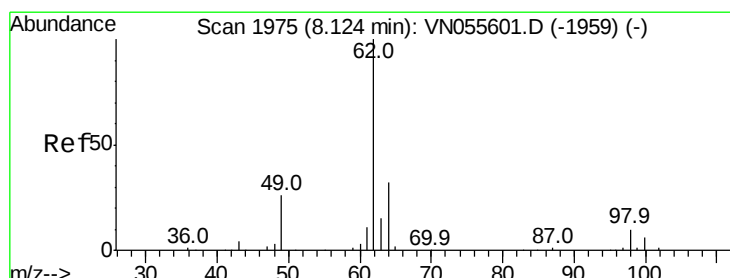
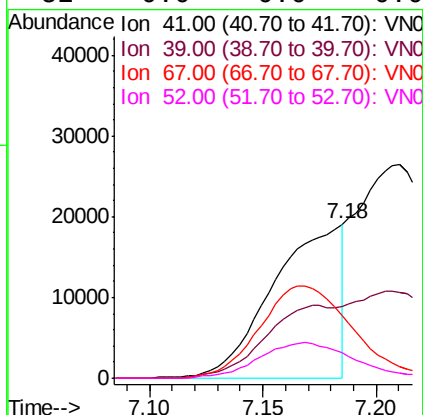
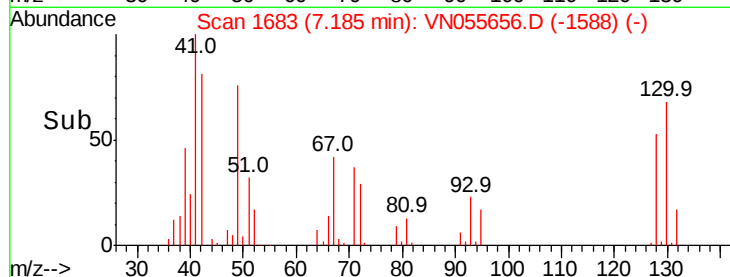
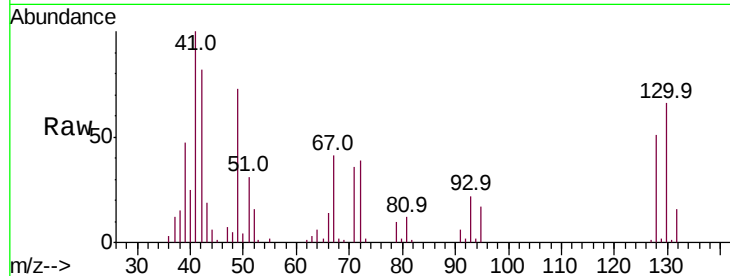
#41
Methacrylonitrile
Concen: 23.482 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

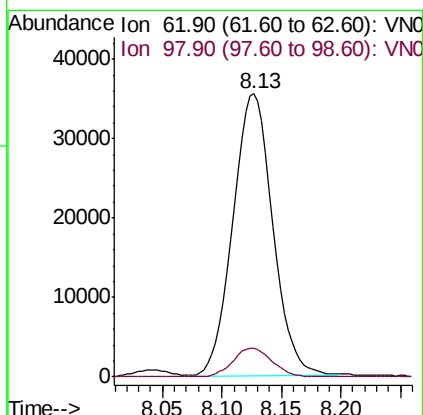
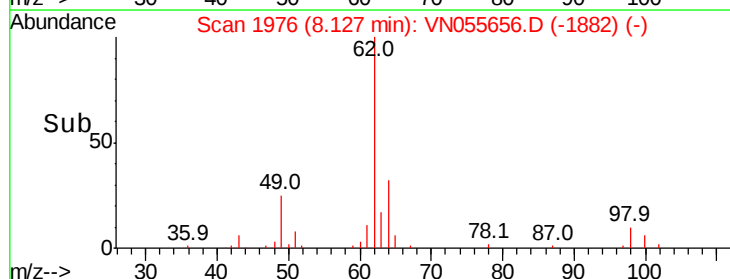
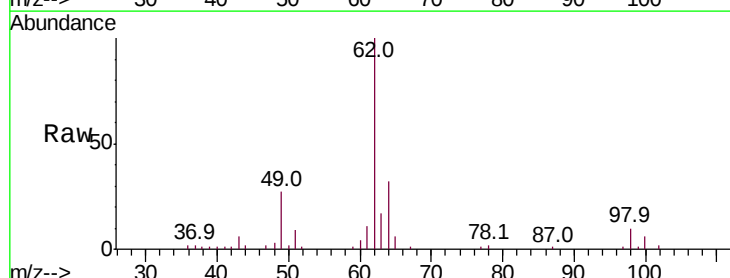
Manual Integrations
APPROVED

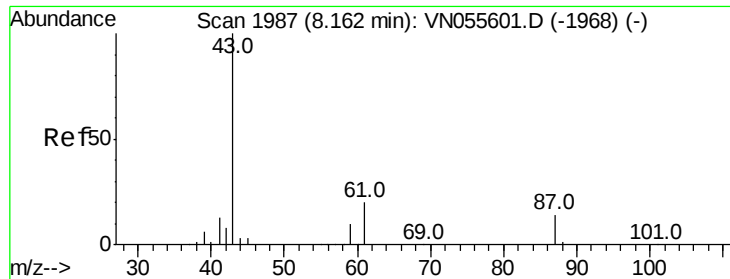
MMDadoda
5/20/2019 9:07:58 AM



#42
1,2-Dichloroethane
Concen: 19.514 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 25.041 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

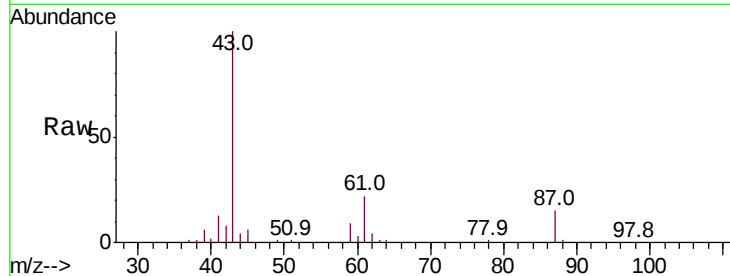
ClientSampleId :

VN0517WBSD02

Tot Ion:	43	Resp:	174542
Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.1	33.1#
87	11.4	11.8	17.6#

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:07:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055601.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055601.D (-1968) (-)

8.17

60000

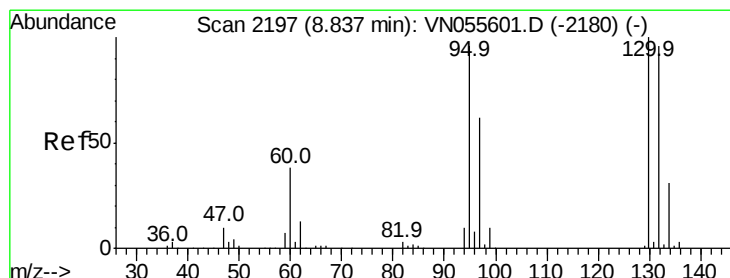
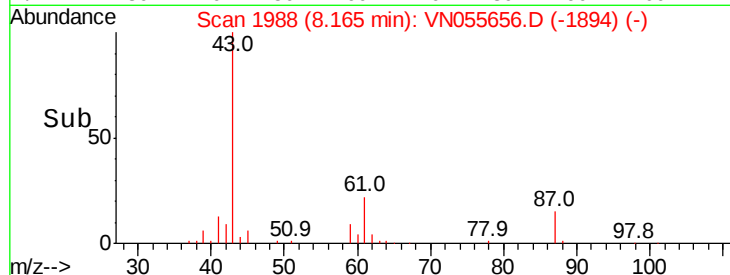
40000

20000

0

8.00 8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 19.948 ug/l

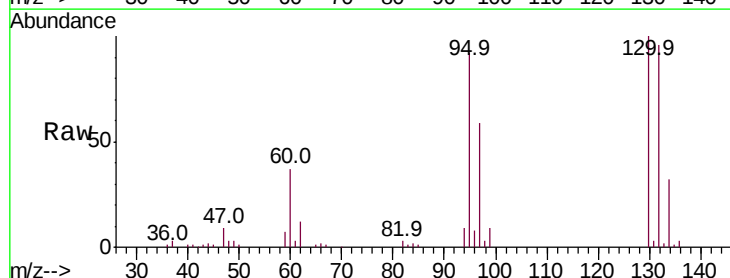
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	130	Resp:	73520
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055601.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055601.D (-2180) (-)

8.84

40000

30000

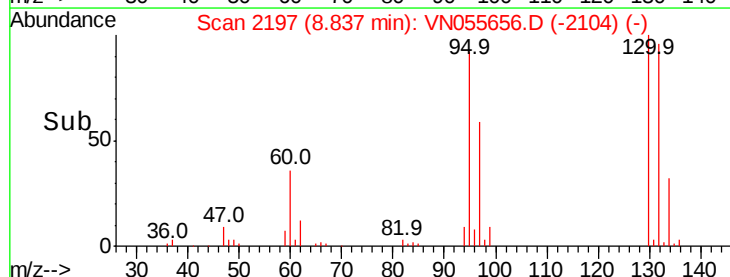
20000

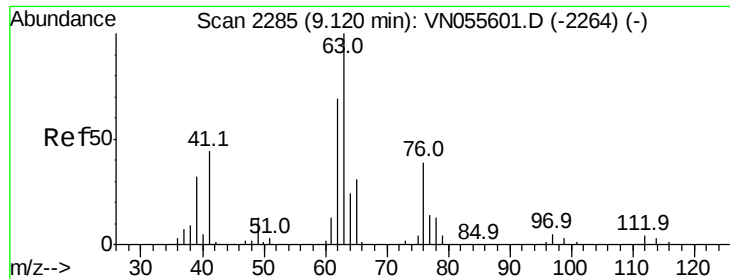
10000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 19.097 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion: 63 Resp: 65708

Ion Ratio Lower Upper

63 100

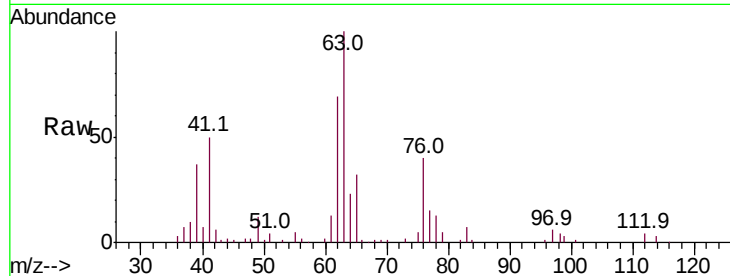
65 31.7 25.2 37.8

Manual Integrations

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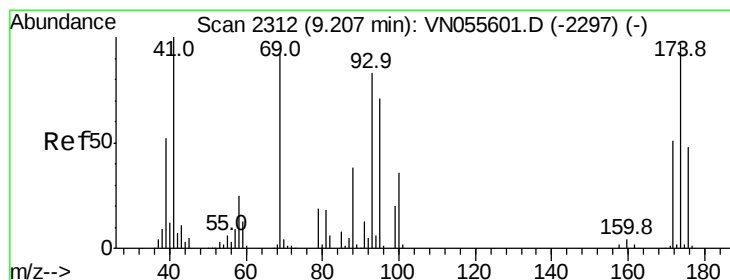
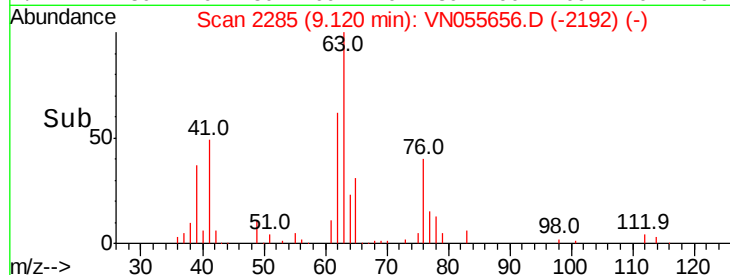
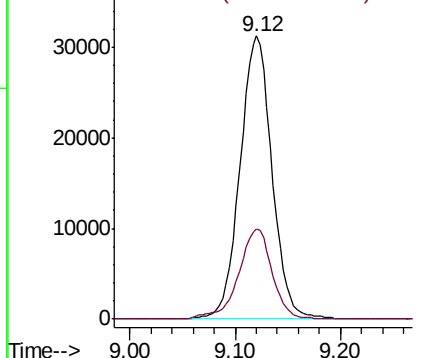
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.728 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

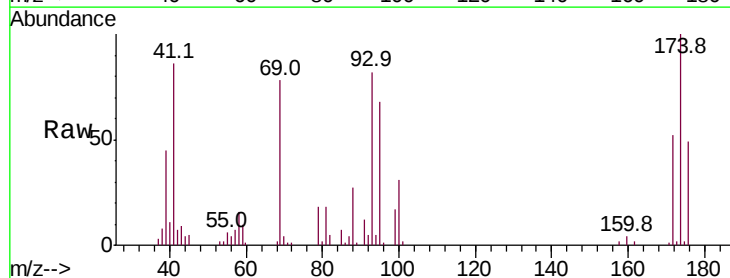
Tgt Ion: 93 Resp: 44427

Ion Ratio Lower Upper

93 100

95 84.0 67.9 101.9

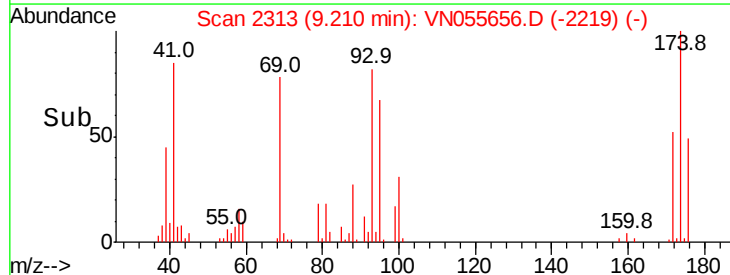
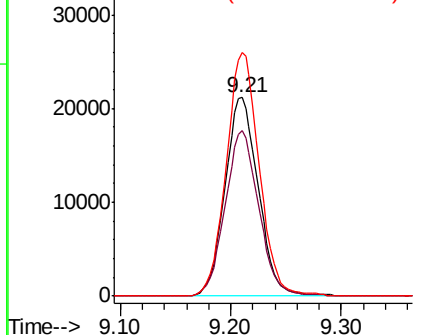
174 120.9 93.8 140.6

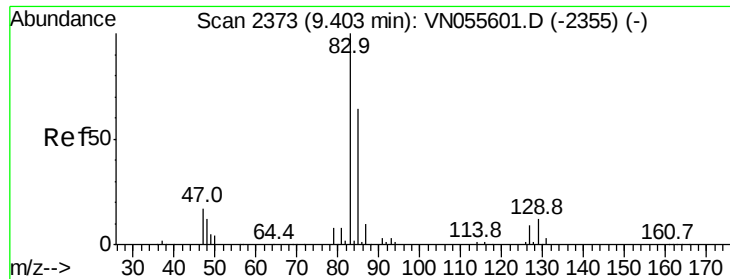


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.169 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

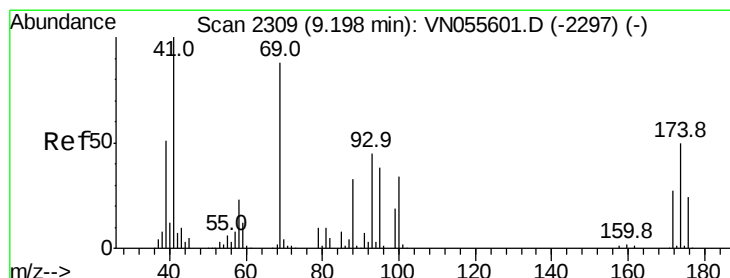
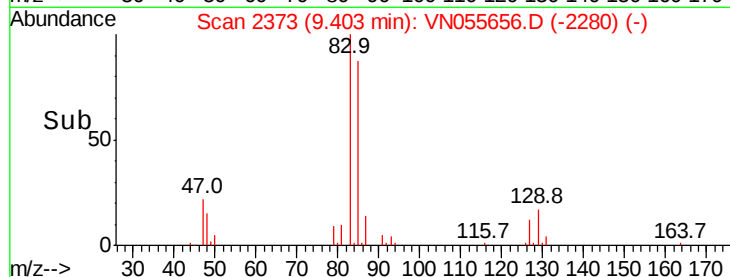
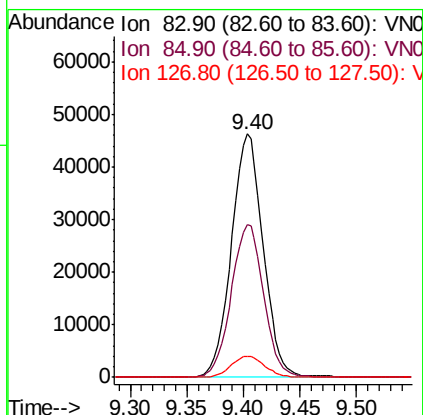
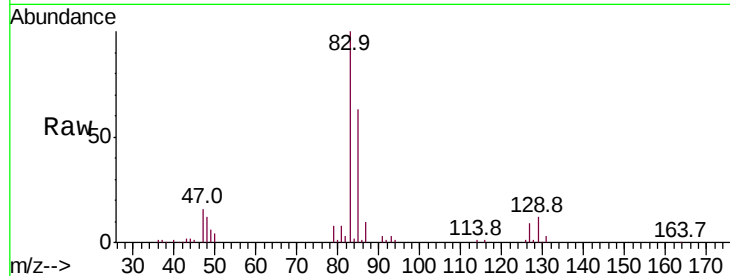
ClientSampleId :

VN0517WBSD02

Tot Ion:	83	Resp:	90476
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.4	77.0
127	8.7	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.896 ug/l

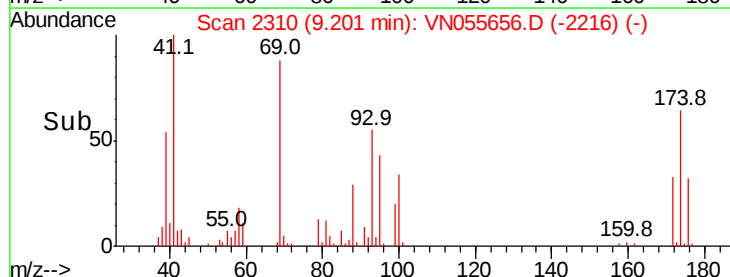
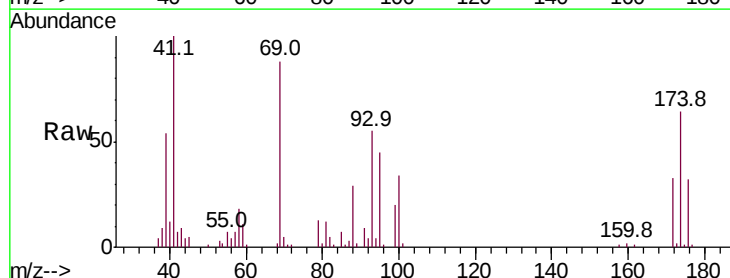
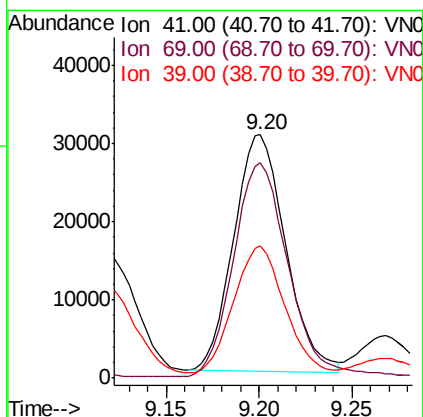
RT: 9.20 min Scan# 2310

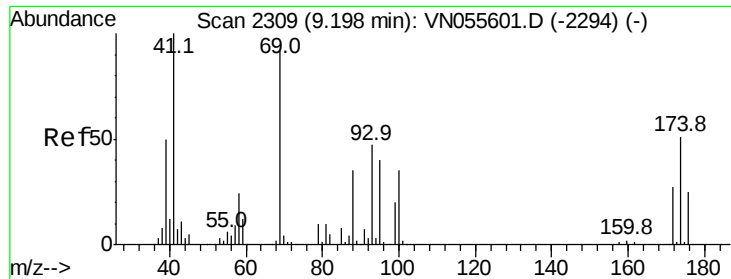
Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	41	Resp:	58871
Ion Ratio	Lower	Upper	
41	100		
69	97.8	74.2	111.2
39	56.5	43.8	65.8





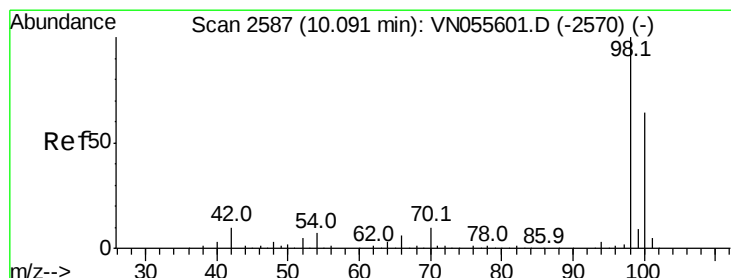
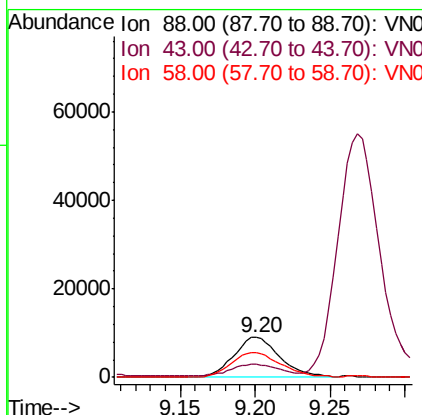
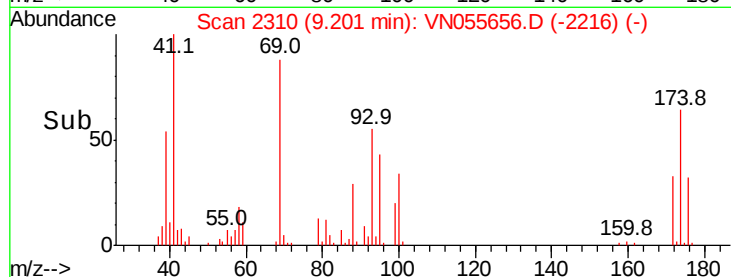
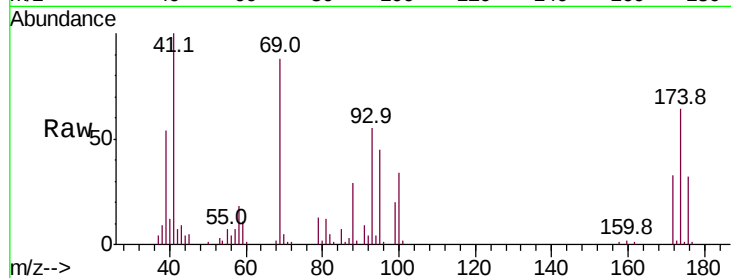
#49
1,4-Dioxane
Concen: 314.664 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.4	33.6
58	66.7	53.4	80.2

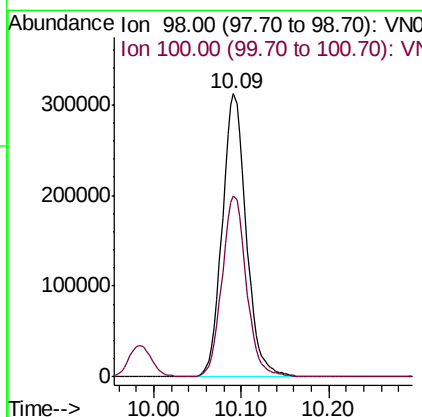
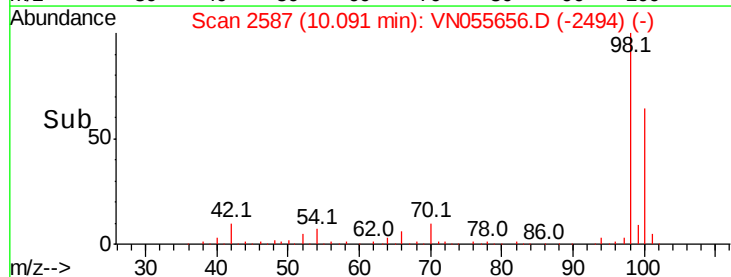
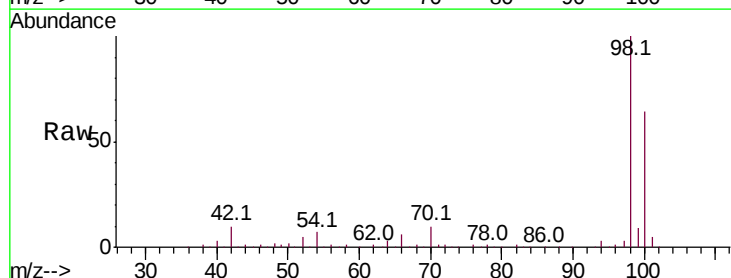
Manual Integrations
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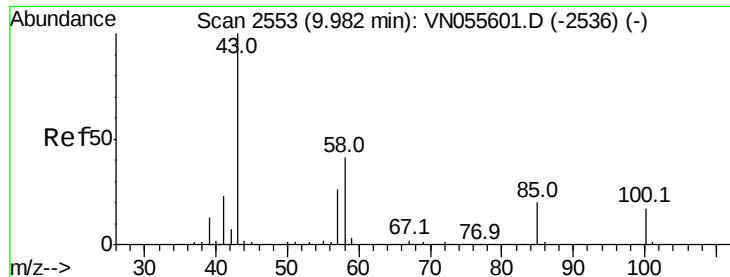
MMDadoda
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#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 93.309 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion: 43 Resp: 381508

Ion Ratio Lower Upper

43 100

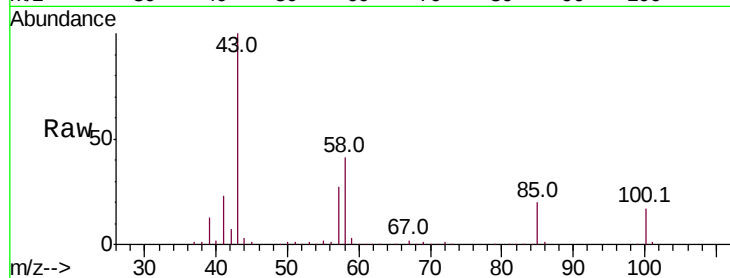
58 40.9 32.7 49.1

Manual Integrations

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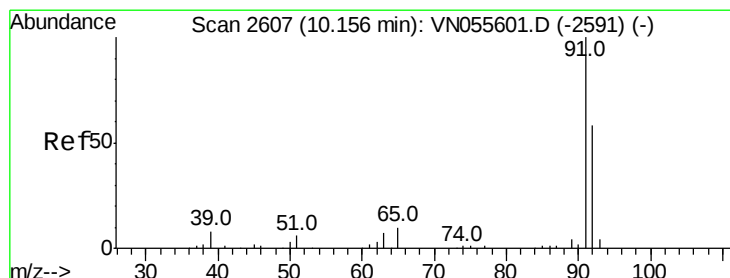
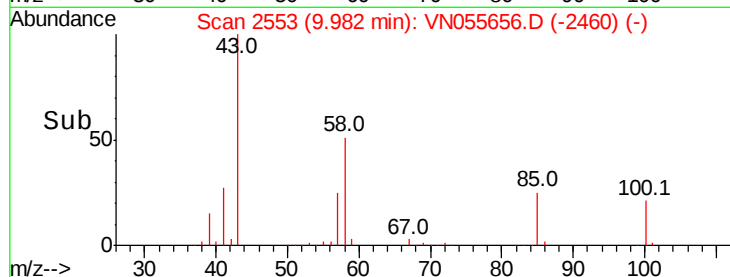
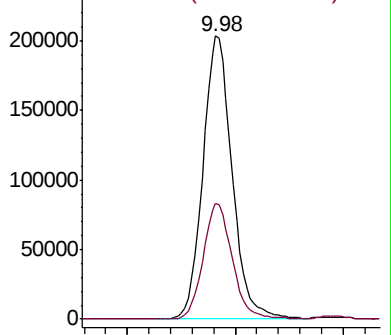
MMDadoda

5/20/2019 9:07:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.382 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055656.D

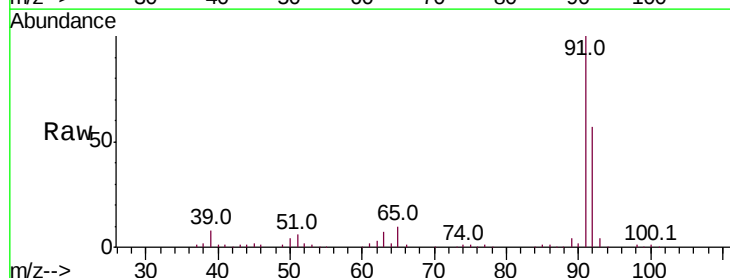
Acq: 18 May 2019 10:24

Tgt Ion: 92 Resp: 158782

Ion Ratio Lower Upper

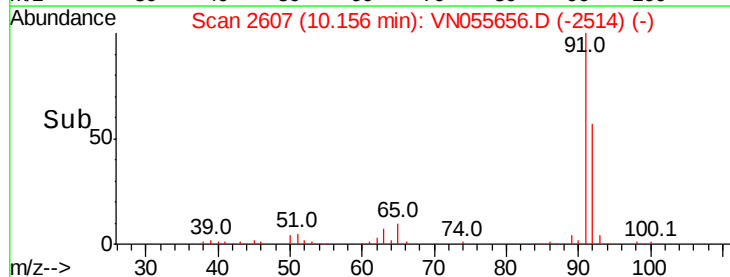
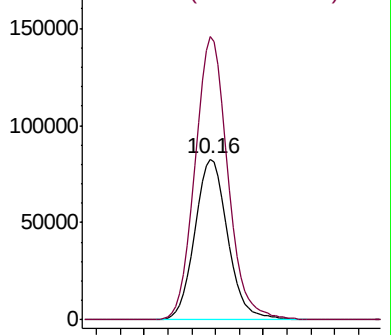
92 100

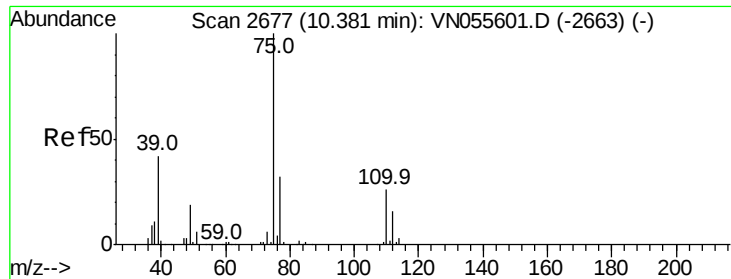
91 175.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





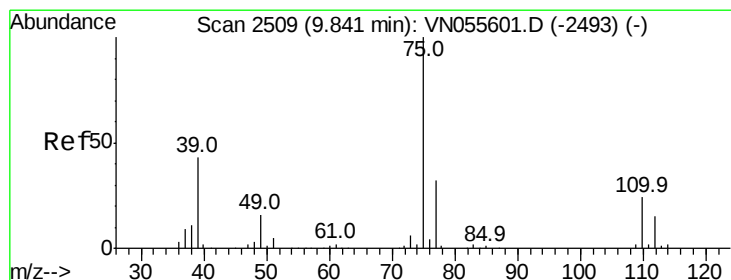
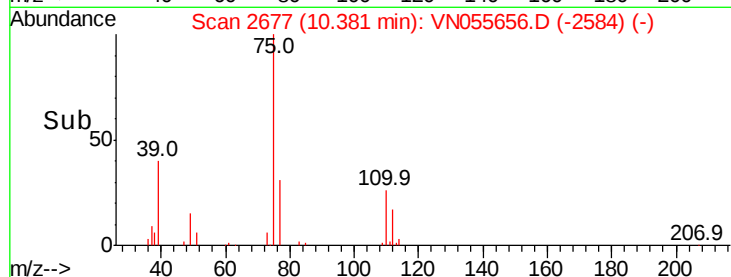
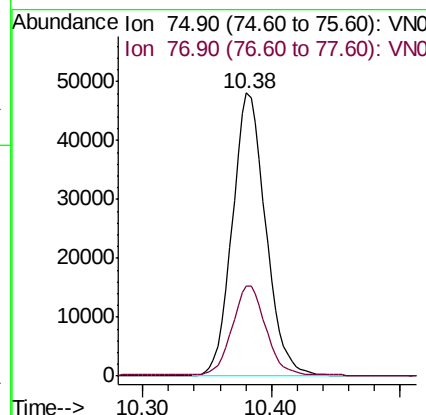
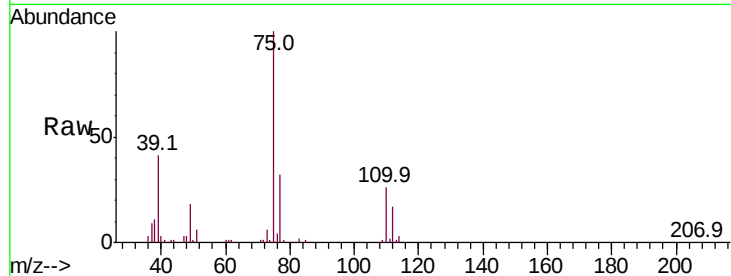
#53
t-1,3-Dichloropropene
Concen: 17.020 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion: 75 Resp: 86462
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

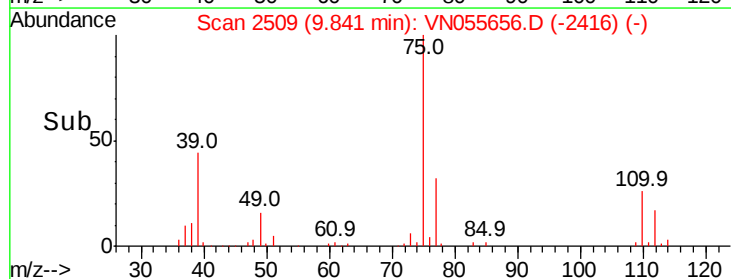
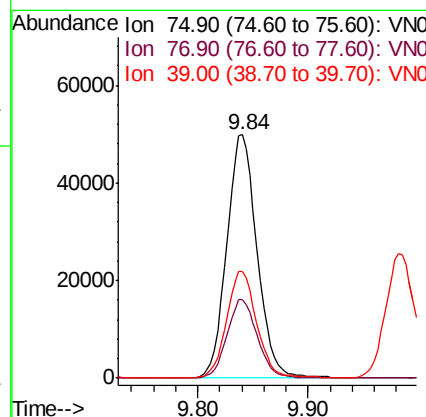
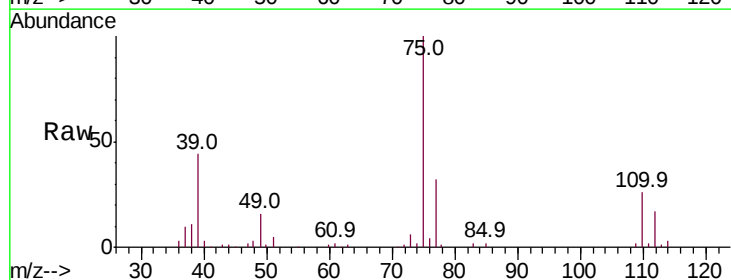
Manual Integrations
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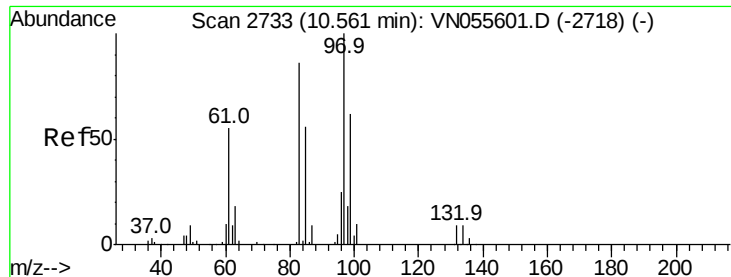
MMDadoda
5/20/2019 9:07:58 AM



#54
cis-1,3-Dichloropropene
Concen: 17.035 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion: 75 Resp: 94805
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5
39 43.7 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 19.249 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

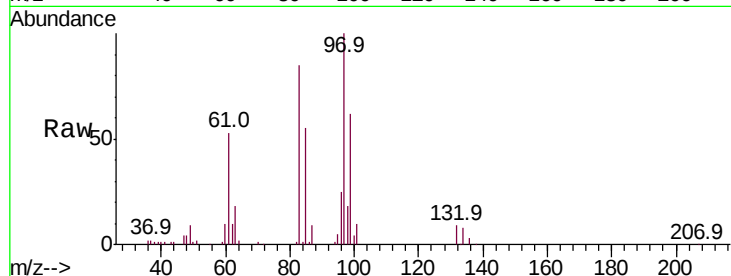
ClientSampleId :

VN0517WBSD02

Tot Ion:	97	Resp:	64919
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.4	102.6
85	55.4	44.8	67.2
99	62.1	49.9	74.9

Manual Integrations
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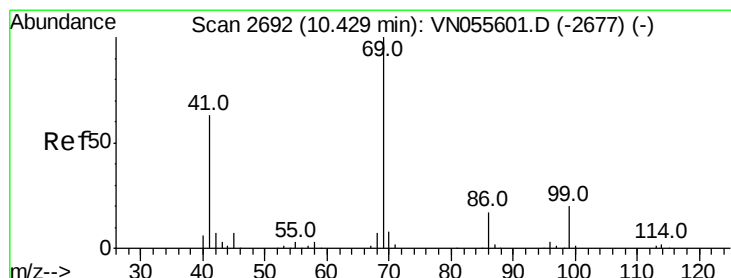
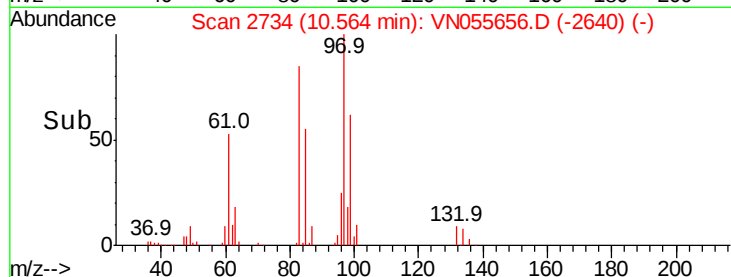
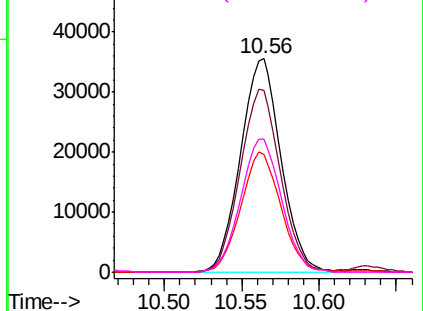


Abundance Ion 96.90 (96.60 to 97.60): VN055601.D (-2718) (-)

Ion 82.90 (82.60 to 83.60): VN055601.D (-2718) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-2718) (-)

Ion 98.90 (98.60 to 99.60): VN055601.D (-2718) (-)



#56

Ethyl methacrylate

Concen: 18.851 ug/l

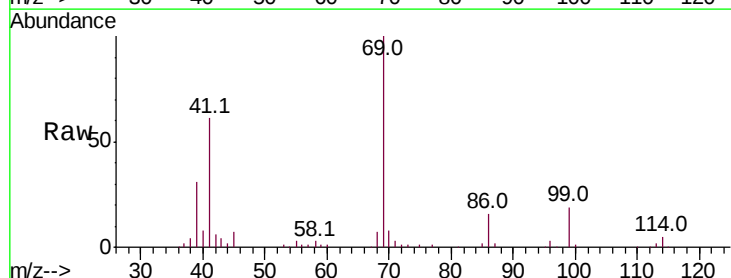
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

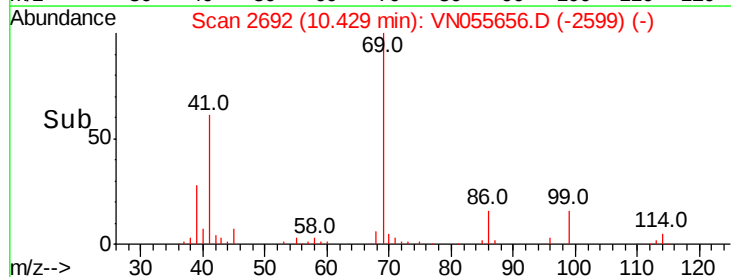
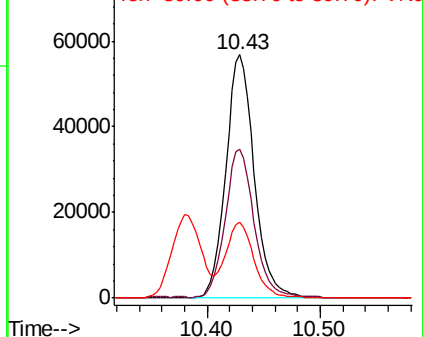
Tgt Ion:	69	Resp:	99244
Ion	Ratio	Lower	Upper
69	100		
41	61.5	50.3	75.5
39	30.9	25.4	38.2

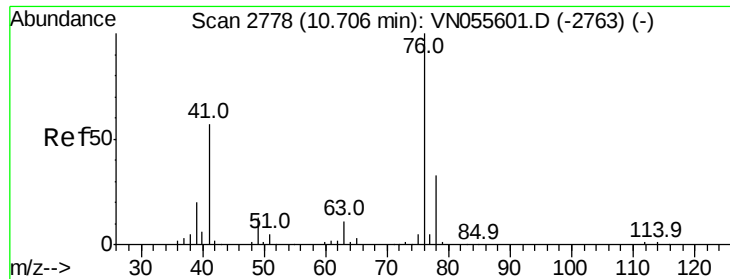


Abundance Ion 69.00 (68.70 to 69.70): VN055601.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN055601.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN055601.D (-2677) (-)





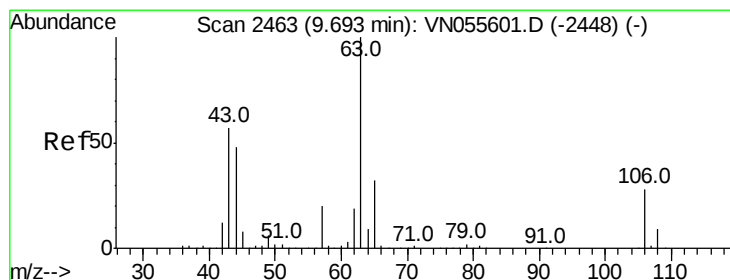
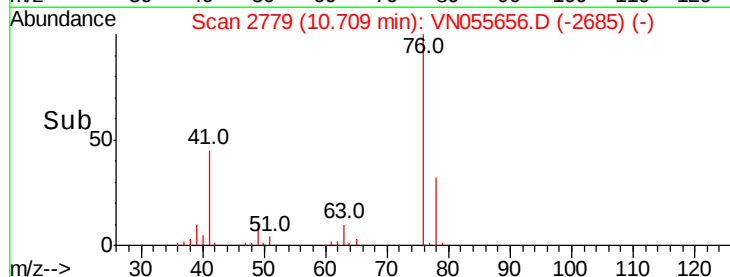
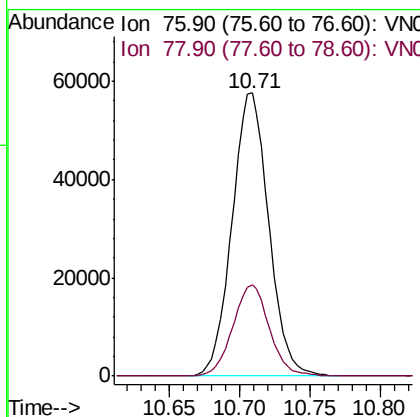
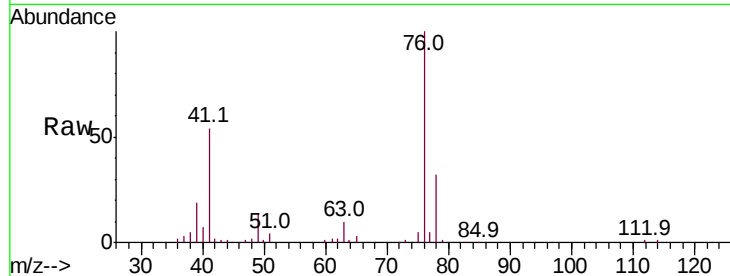
#57
 1,3-Dichloropropane
 Concen: 19.658 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion: 76 Resp: 105003
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.5 39.7

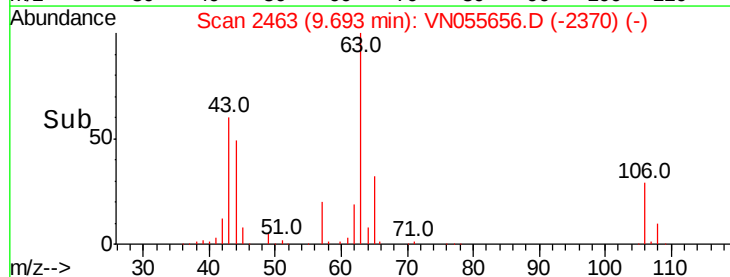
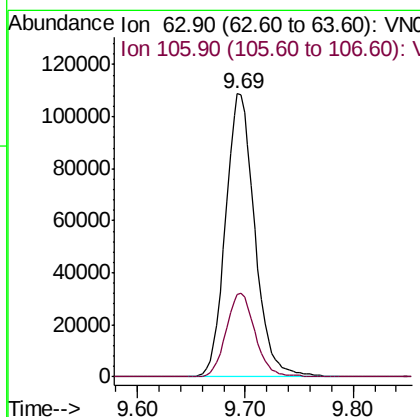
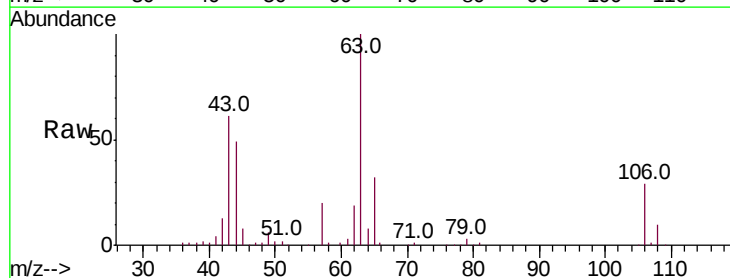
Manual Integrations
 APPROVED

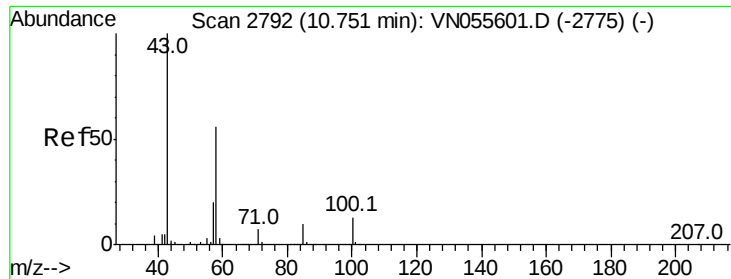
MMDadoda
 5/20/2019 9:07:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.740 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion: 63 Resp: 205220
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.6





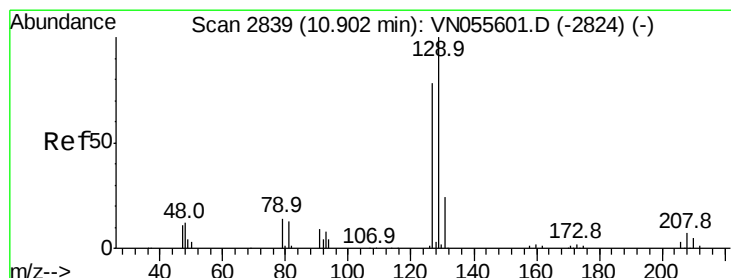
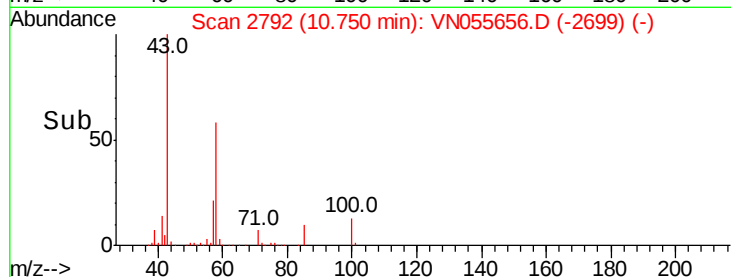
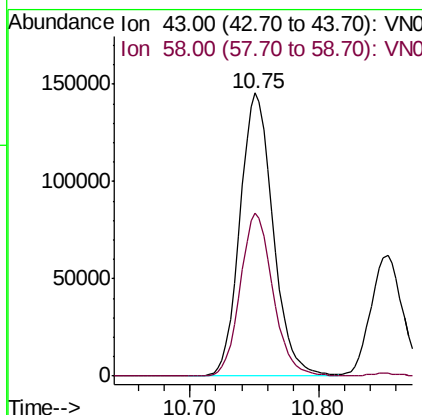
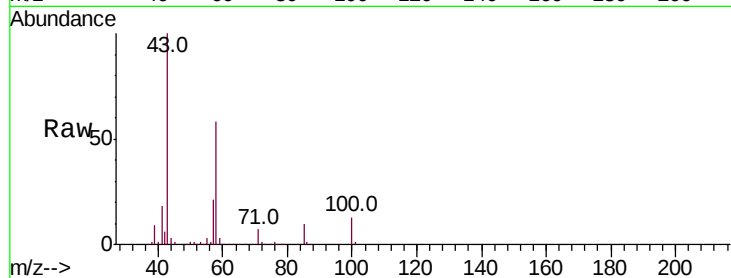
#59
2-Hexanone
Concen: 89.985 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.1	84.4

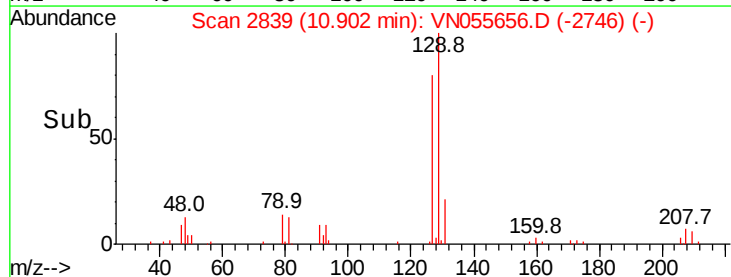
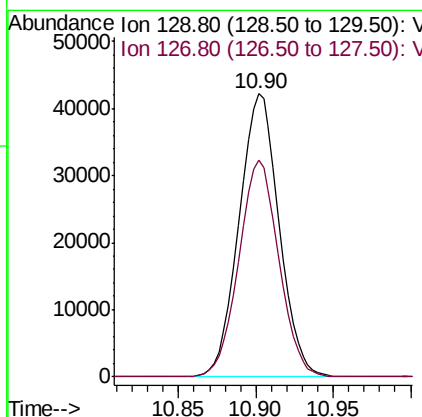
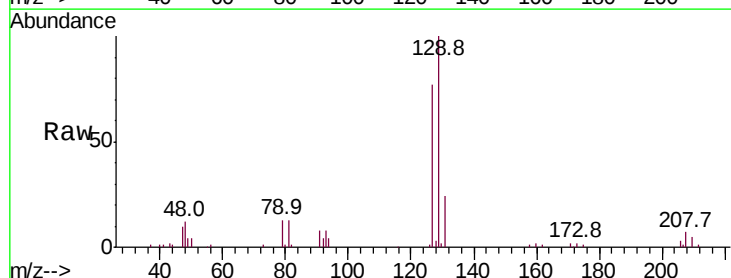
Manual Integrations
APPROVED

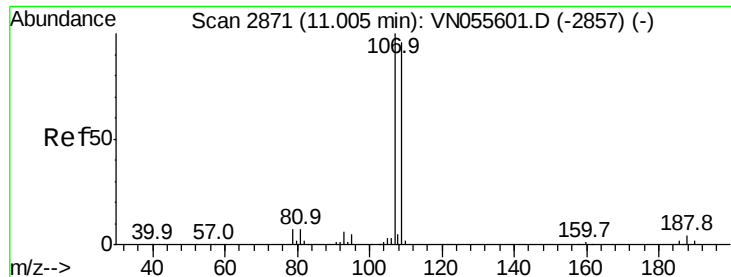
MMDadoda
5/20/2019 9:07:58 AM



#60
Dibromochloromethane
Concen: 19.861 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8





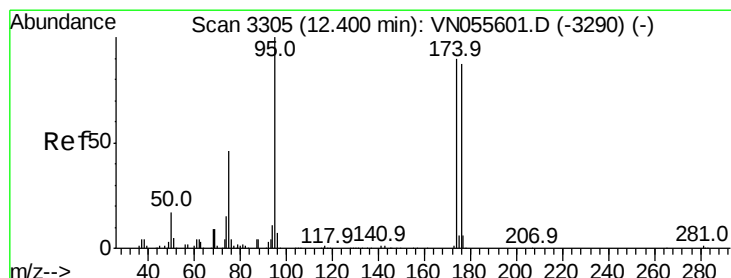
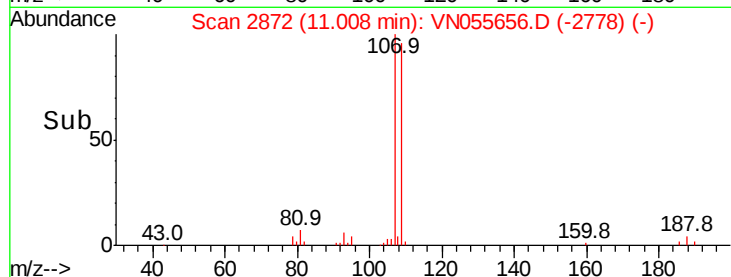
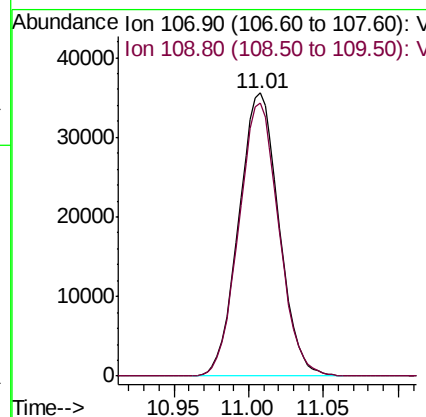
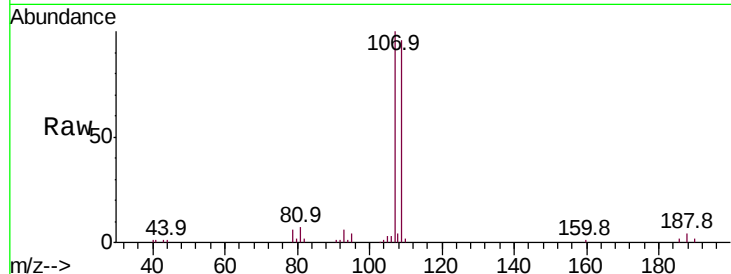
#61
 1,2-Dibromoethane
 Concen: 19.650 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.6	113.4

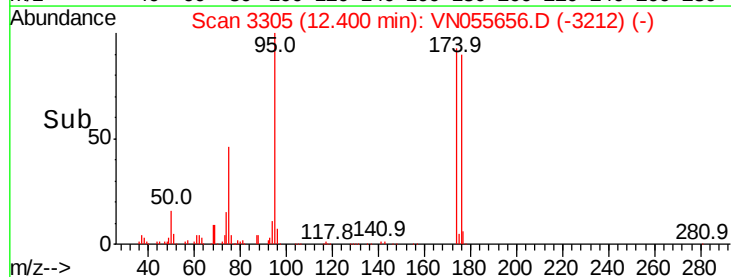
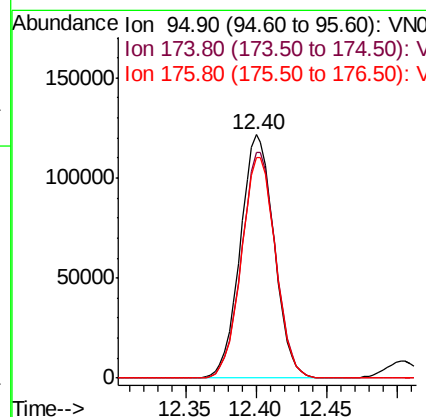
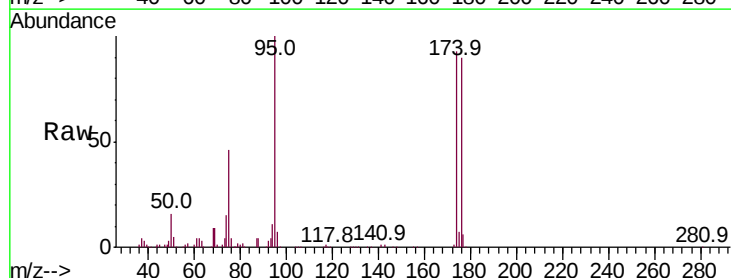
Manual Integrations
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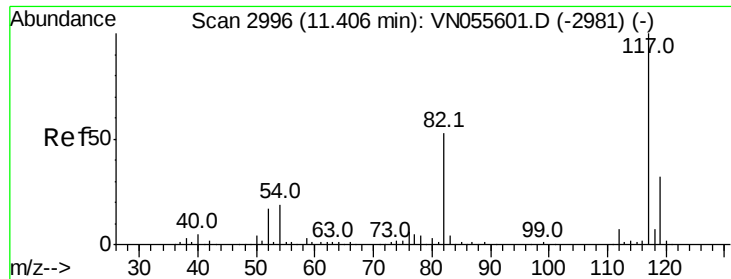
MMDadoda
 5/20/2019 9:07:58 AM



#62
 4-Bromofluorobenzene
 Concen: 49.522 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	180.6
176	91.3	0.0	177.4





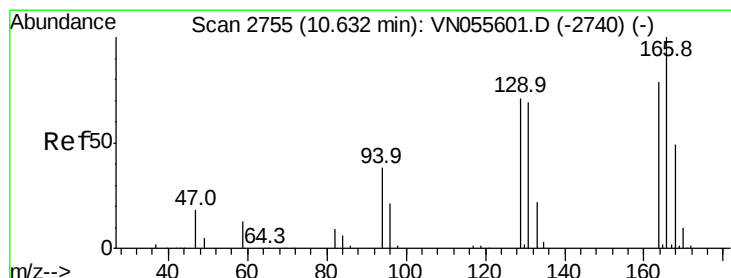
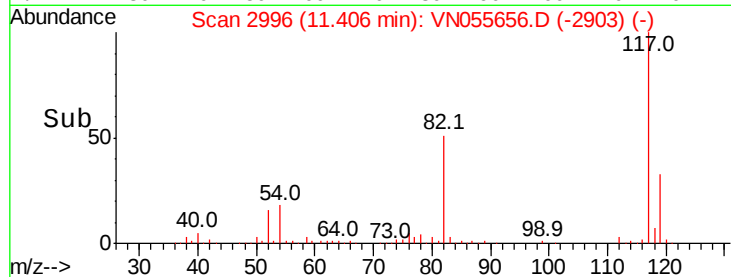
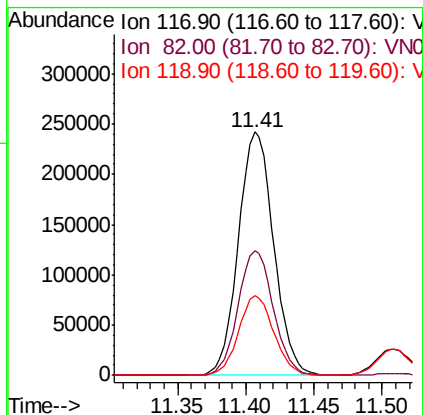
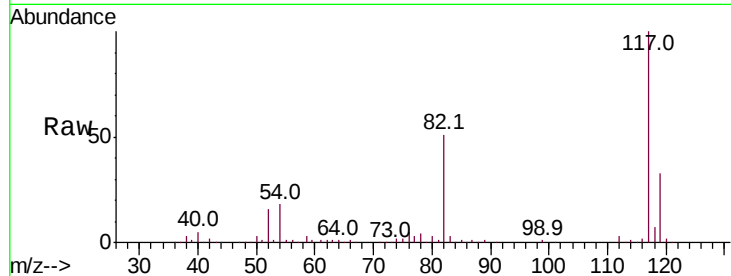
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.3	63.5
119	32.6	25.4	38.2

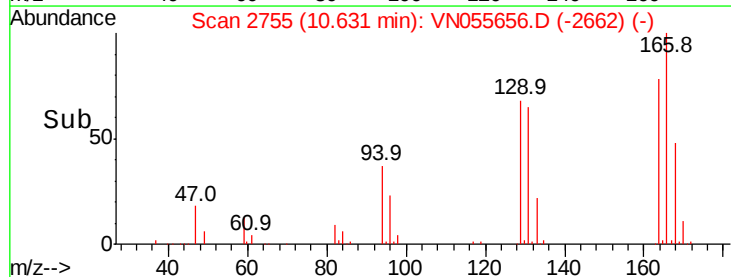
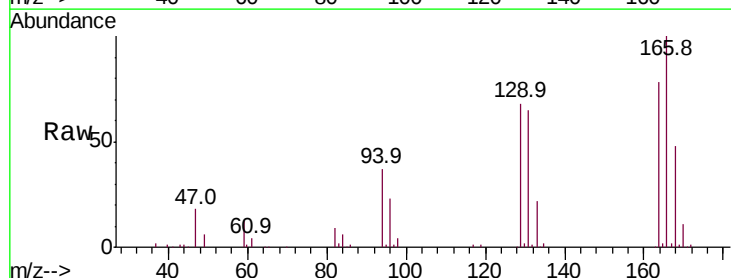
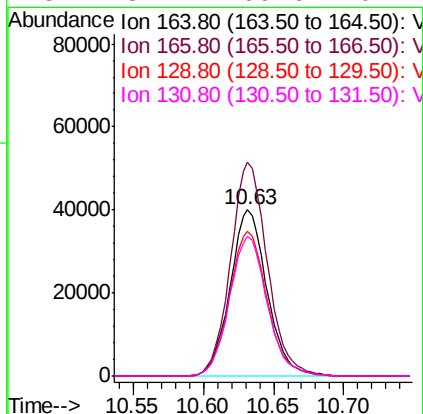
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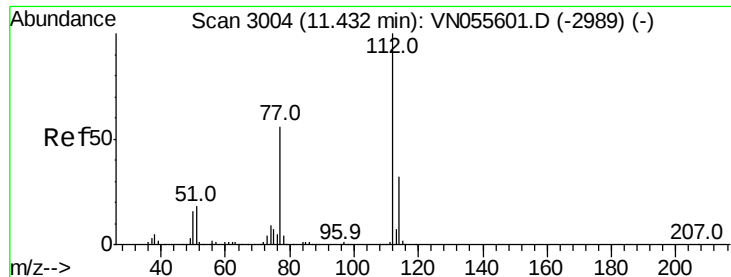
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#64
Tetrachloroethene
Concen: 21.322 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.0	151.6
129	87.3	71.7	107.5
131	84.1	69.6	104.4





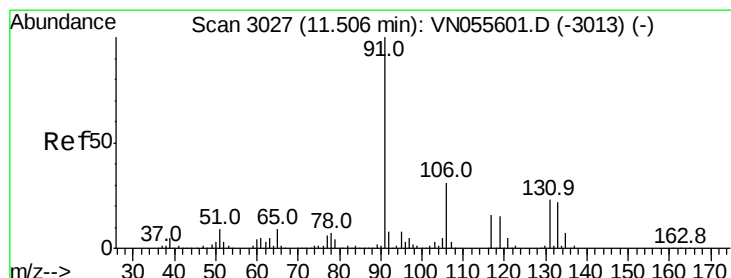
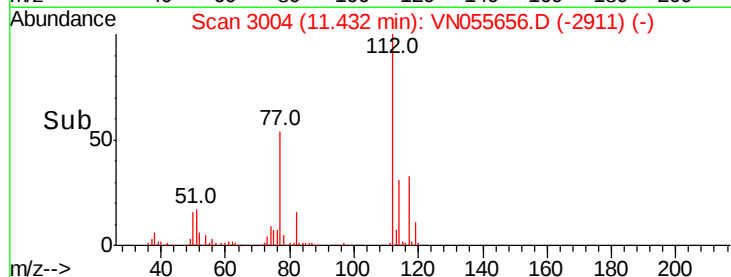
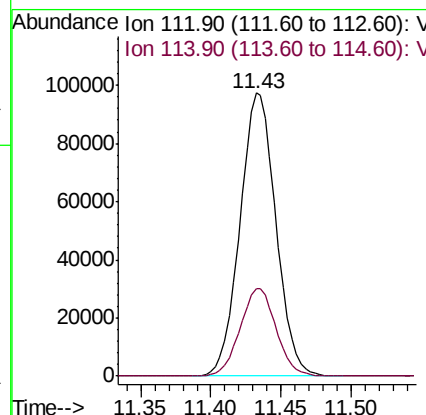
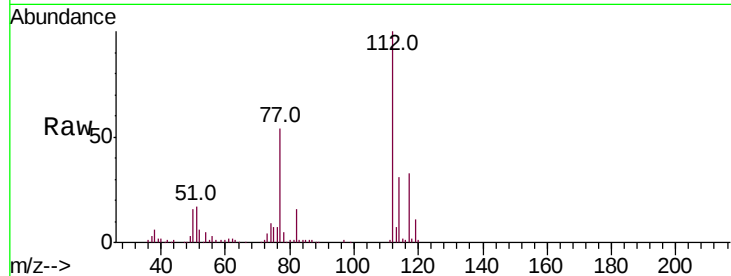
#65
Chlorobenzene
Concen: 19.718 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.6	38.4

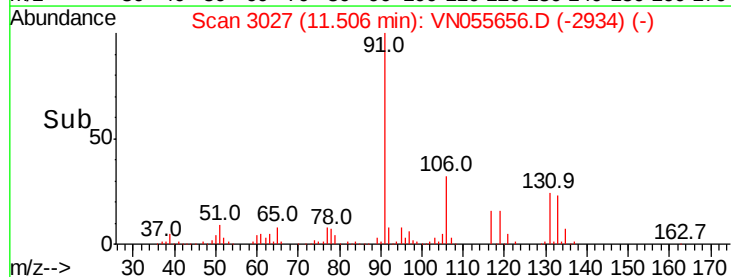
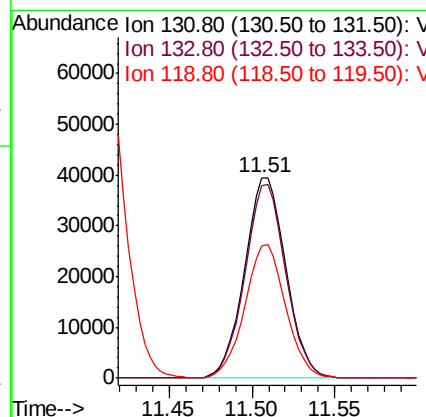
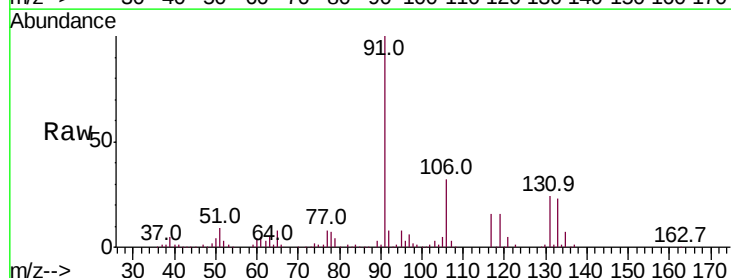
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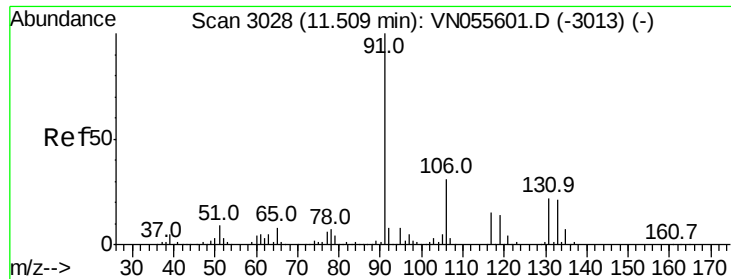
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.301 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.8	143.4
119	66.0	33.3	99.8





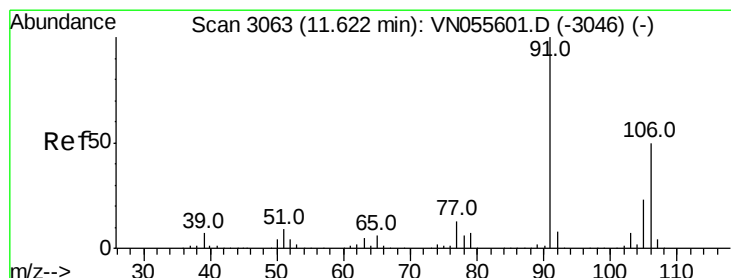
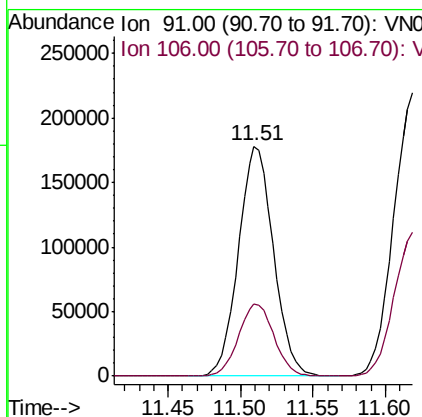
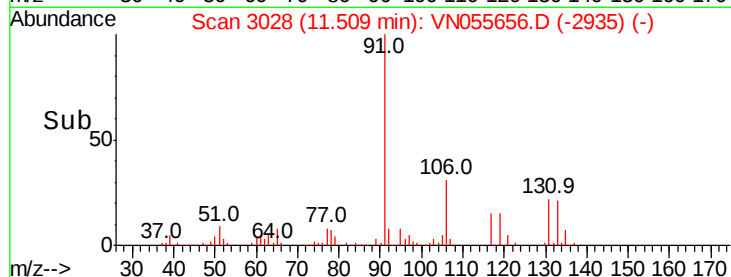
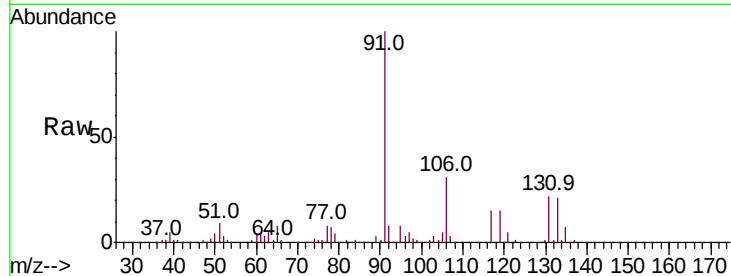
#67
Ethyl Benzene
Concen: 19.040 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion: 91 Resp: 298597
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

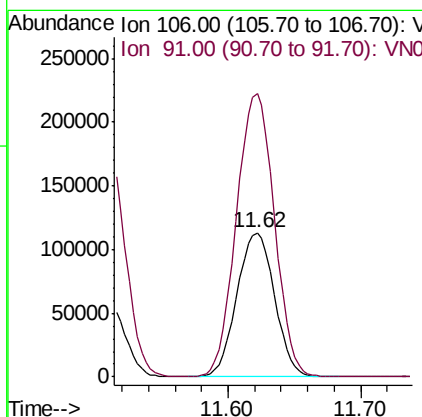
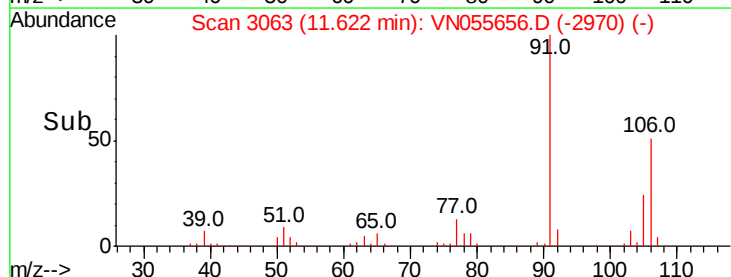
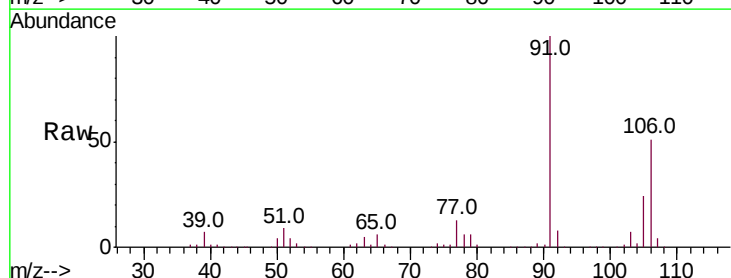
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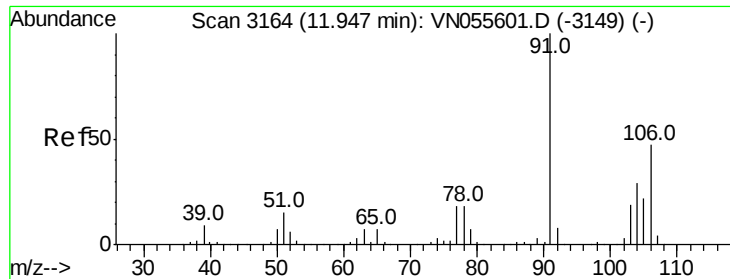
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#68
m/p-Xylenes
Concen: 37.813 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion: 106 Resp: 223948
Ion Ratio Lower Upper
106 100
91 198.2 160.5 240.7





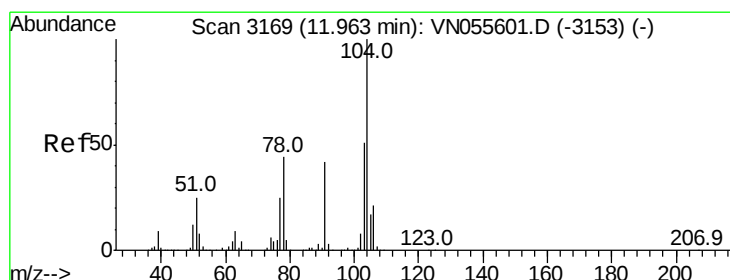
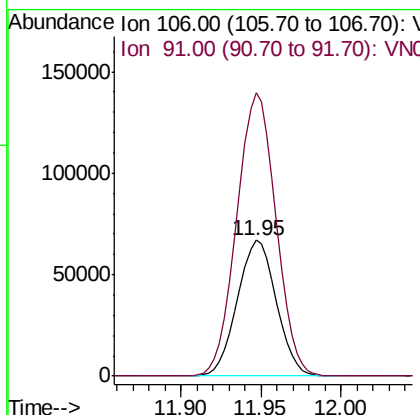
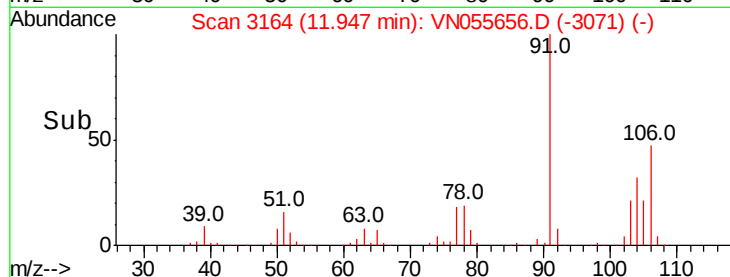
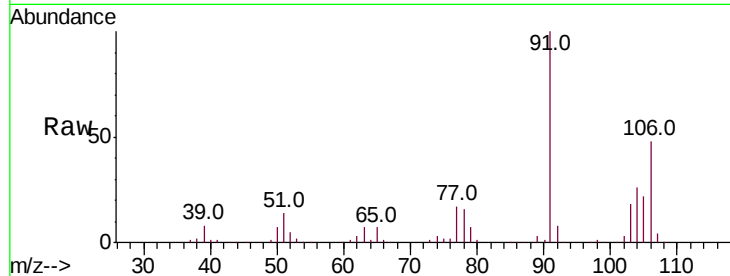
#69
o-Xylene
Concen: 19.223 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion:106 Resp: 111349
Ion Ratio Lower Upper
106 100
91 209.2 106.7 320.2

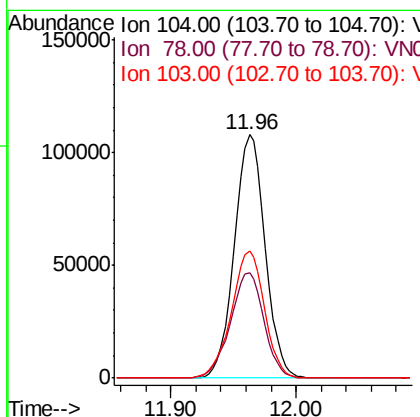
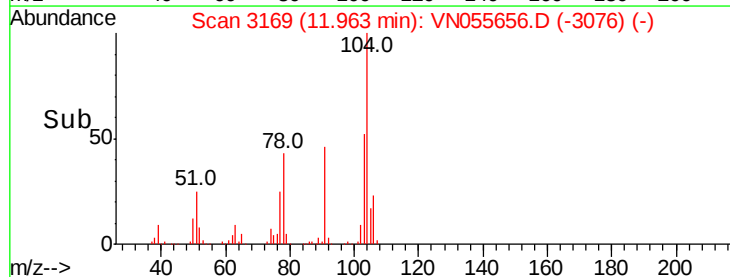
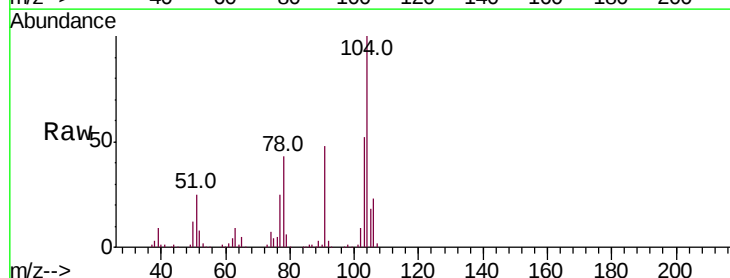
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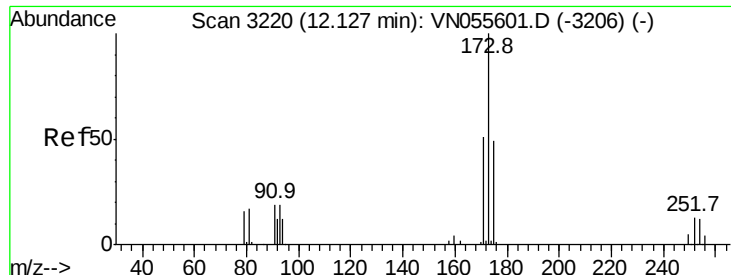
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#70
Styrene
Concen: 19.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion:104 Resp: 183776
Ion Ratio Lower Upper
104 100
78 47.0 38.6 58.0
103 56.1 44.4 66.6





#71

Bromoform

Concen: 19.870 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion:173 Resp: 59637

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.9

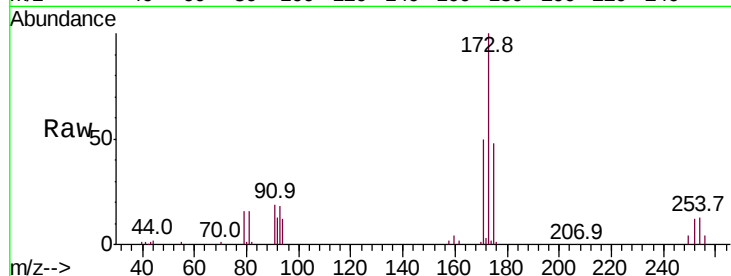
254 0.0 0.1 0.1#

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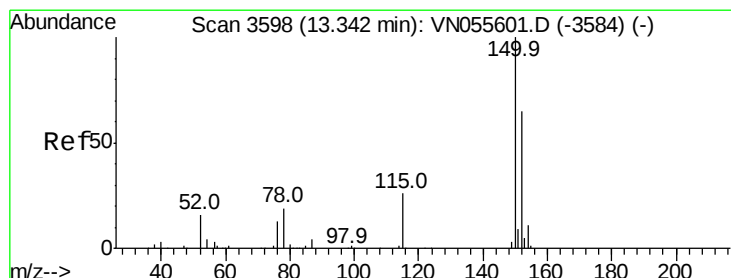
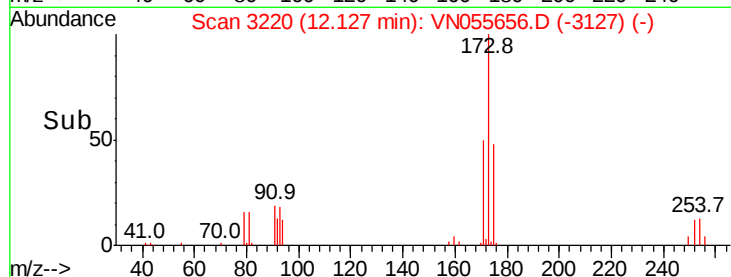
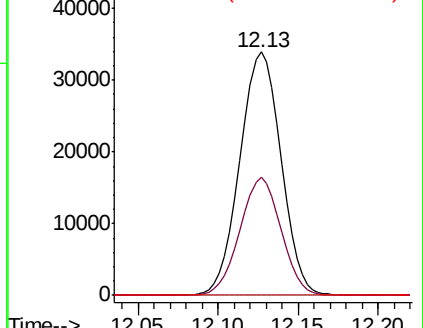
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

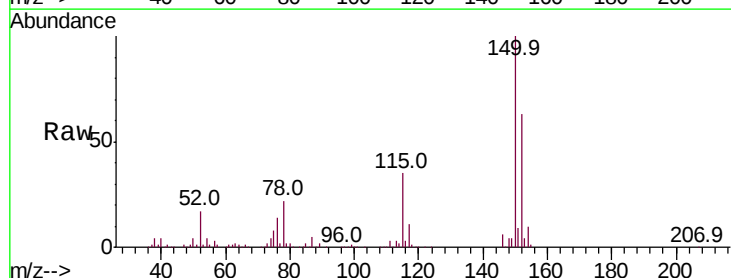
Tgt Ion:152 Resp: 196702

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

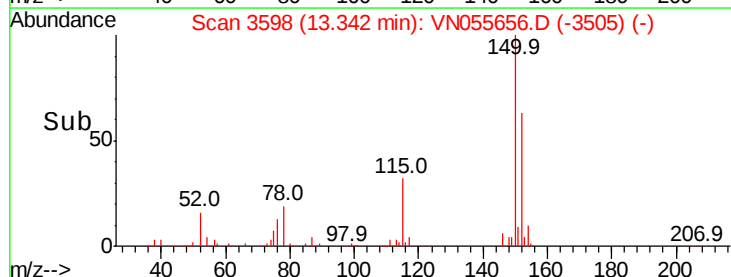
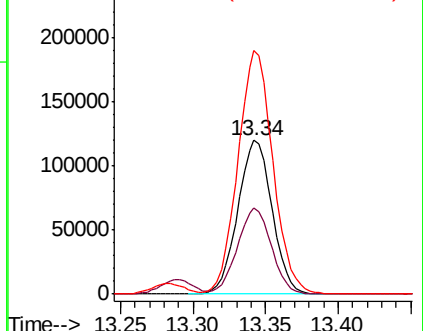
150 162.1 0.0 348.0

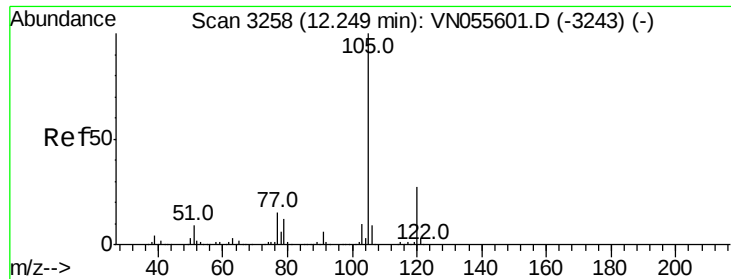


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.742 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion:105 Resp: 292633

Ion Ratio Lower Upper

105 100

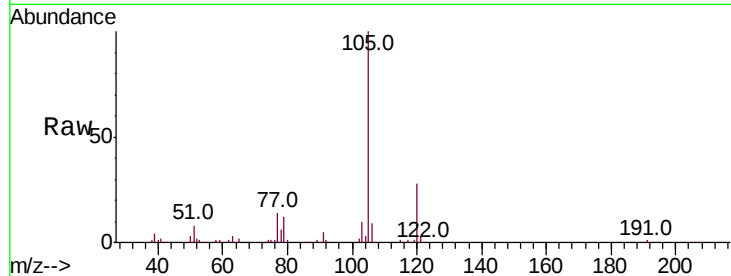
120 27.6 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

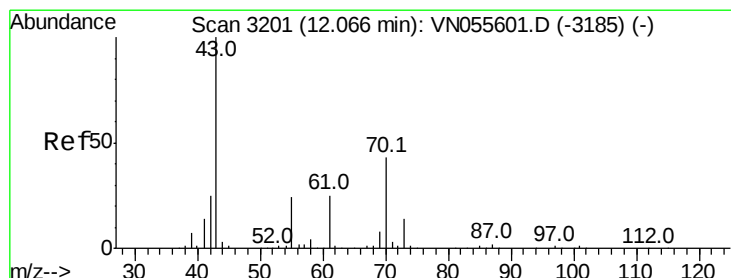
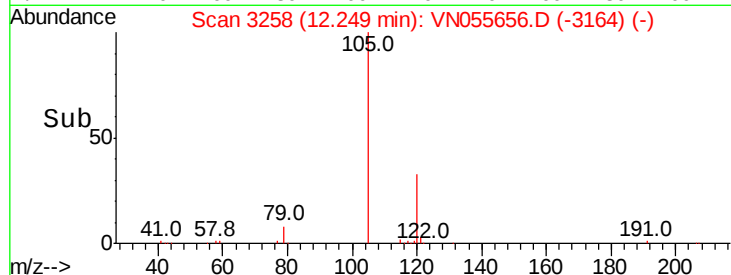
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.057 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion: 43 Resp: 99737

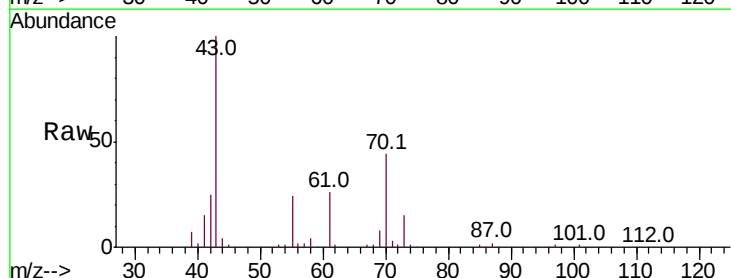
Ion Ratio Lower Upper

43 100

70 44.3 35.0 52.6

55 24.9 18.9 28.3

61 26.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

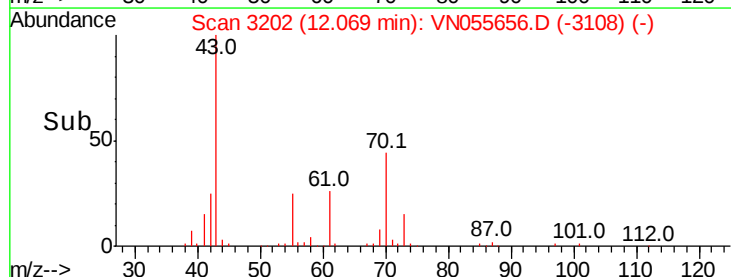
40000

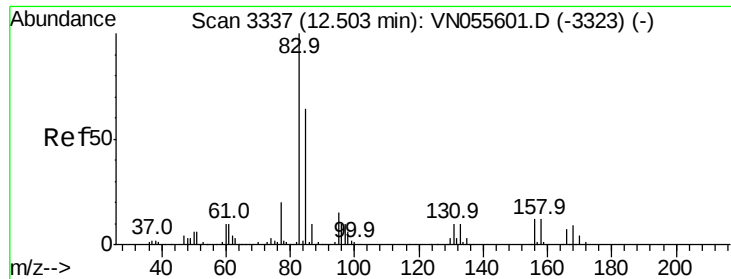
20000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

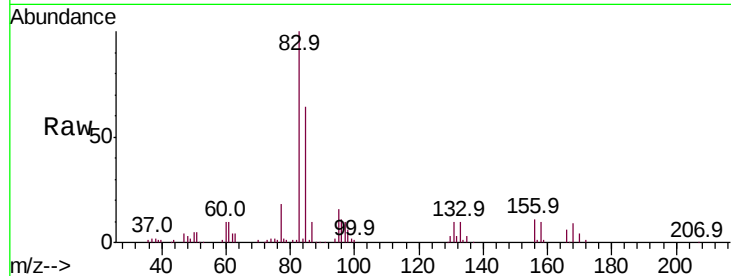
ClientSampleId :

VN0517WBSD02

Tot Ion:	83	Resp:	89324
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.3	16.1
85	64.7	32.0	96.2

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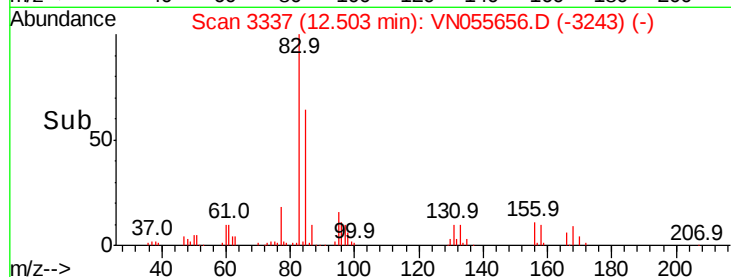


Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)

Time-->

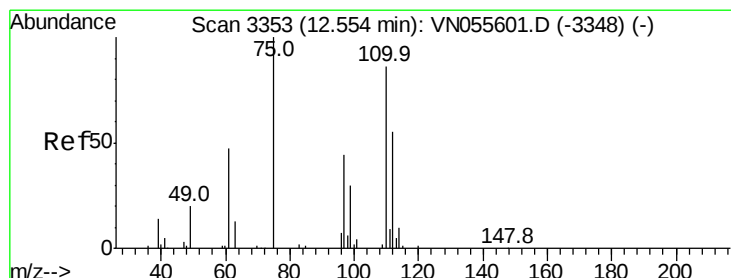


Abundance Ion 82.90 (82.60 to 83.60): VN055656.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055656.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055656.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.156 ug/l m

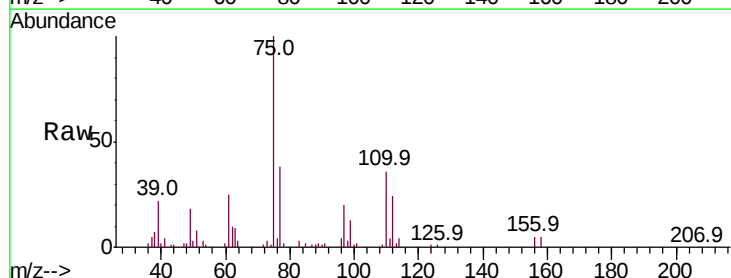
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

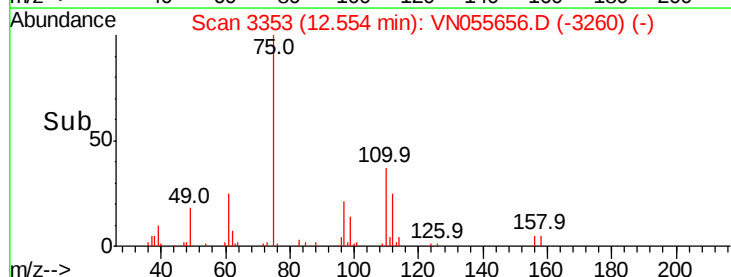
Tgt Ion:	75	Resp:	72875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)

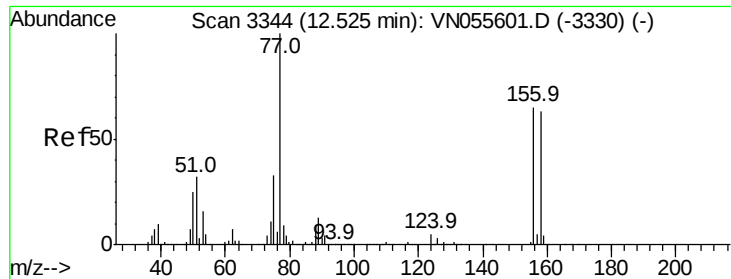
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN055656.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055656.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 19.484 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

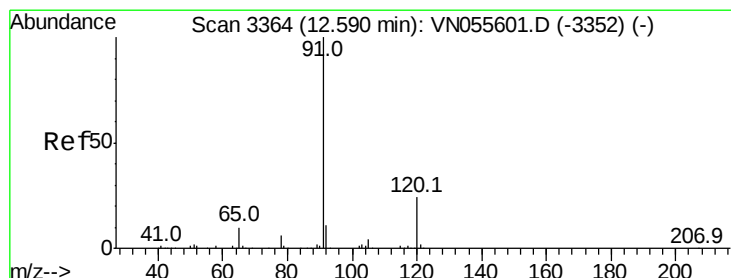
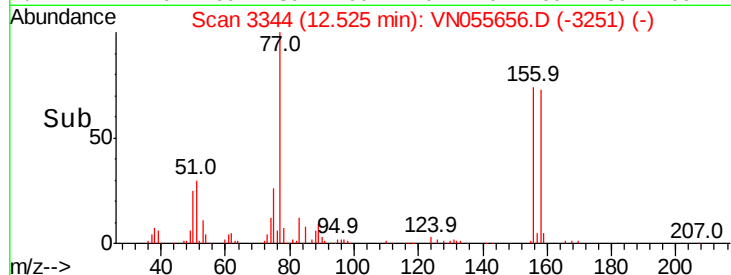
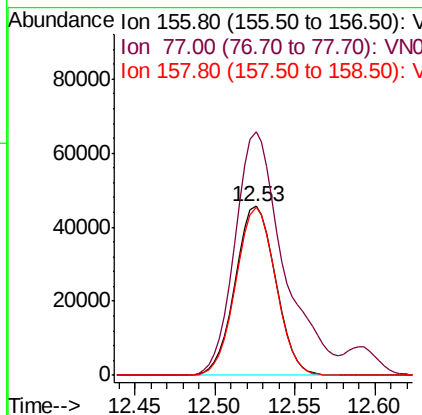
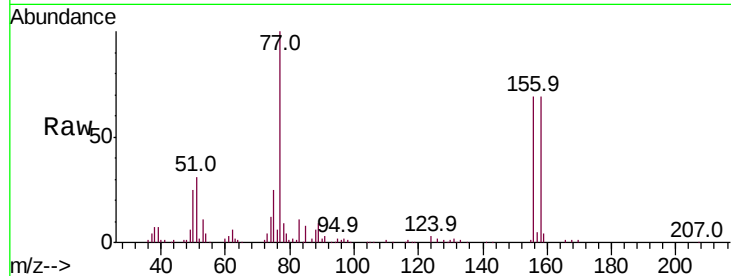
ClientSampleId :

VN0517WBSD02

Tot Ion:	156	Resp:	78710
Ion	Ratio	Lower	Upper
156	100		
77	174.7	94.5	283.5
158	97.6	49.0	147.2

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#78

n-propylbenzene

Concen: 17.784 ug/l

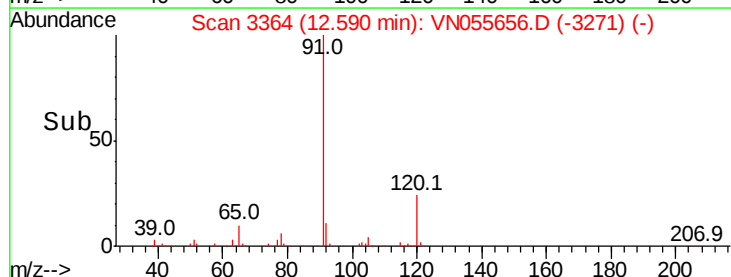
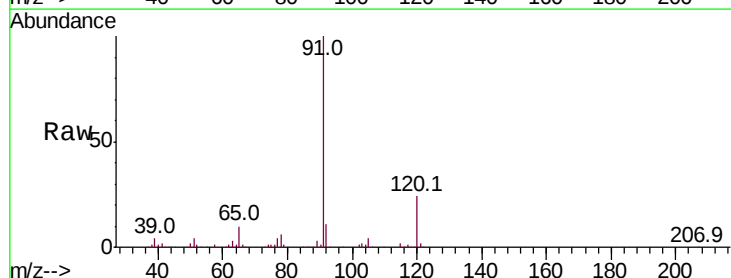
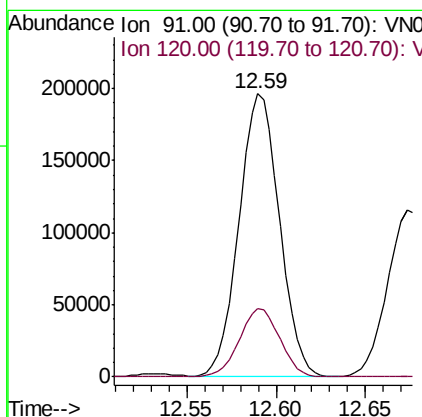
RT: 12.59 min Scan# 3364

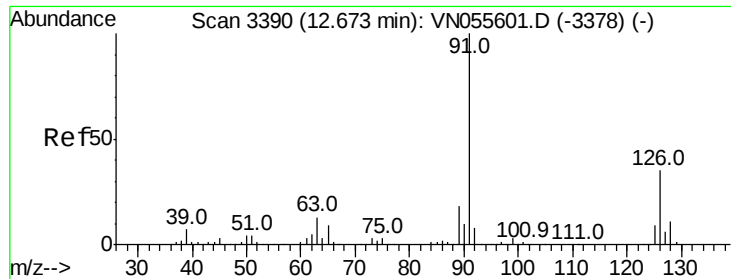
Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	91	Resp:	310640
Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.356 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0517WBSD02

Tot Ion: 91 Resp: 190582

Ion Ratio Lower Upper

91 100

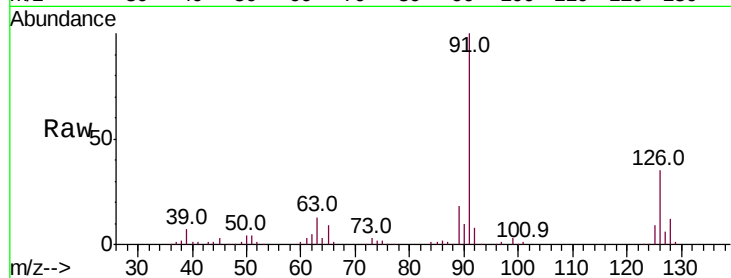
126 35.8 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3378) (-)

200000

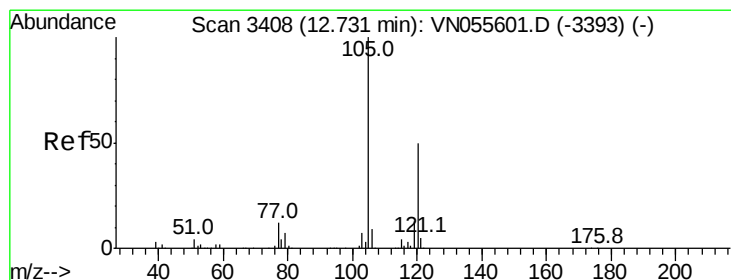
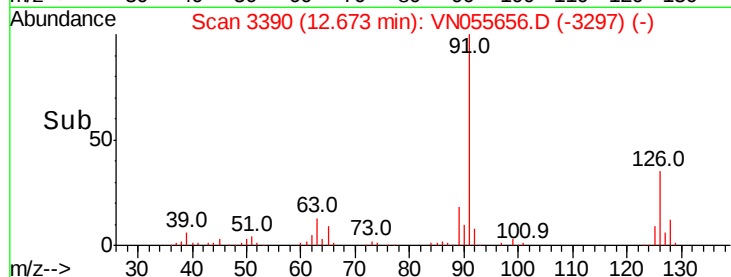
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.133 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055656.D

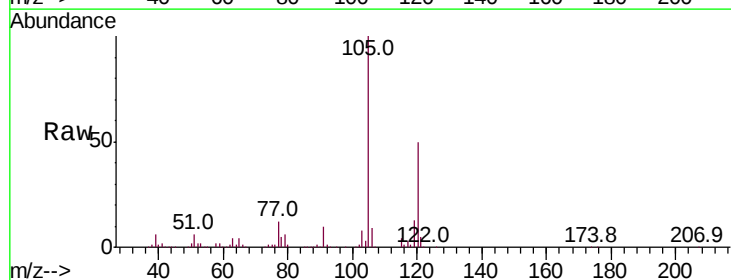
Acq: 18 May 2019 10:24

Tgt Ion:105 Resp: 240477

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055601.D (-3393) (-)

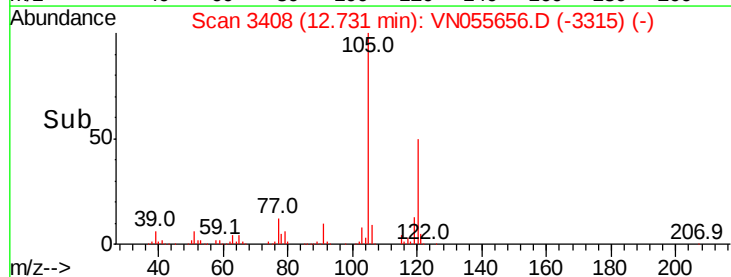
150000

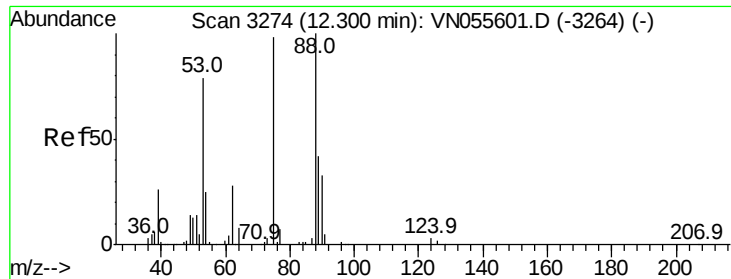
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





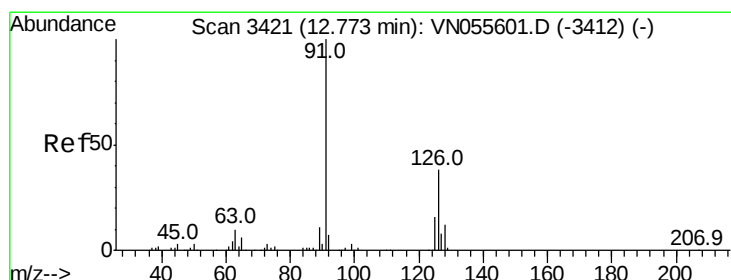
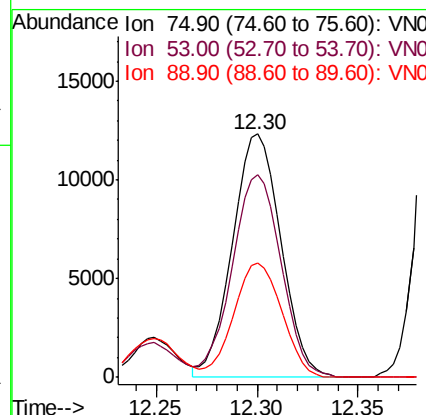
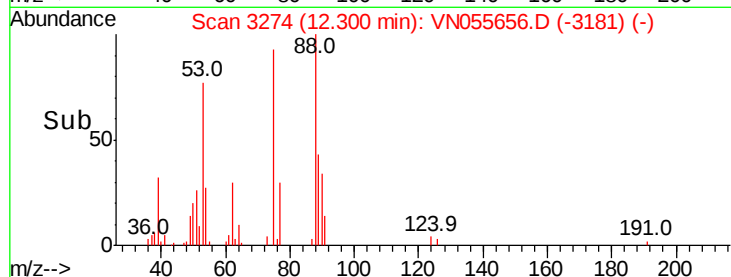
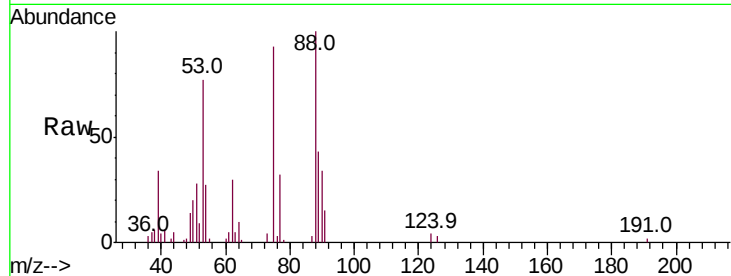
#81
trans-1,4-Dichloro-2-butene
Concen: 13.328 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.2	65.1	97.7
89	46.6	36.4	54.6

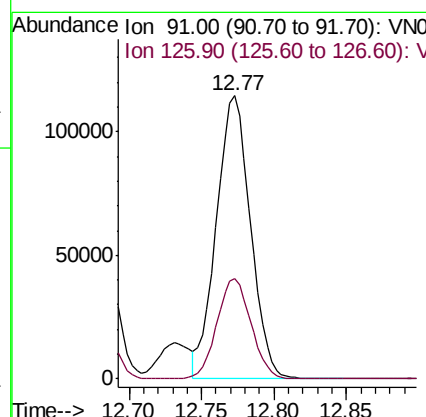
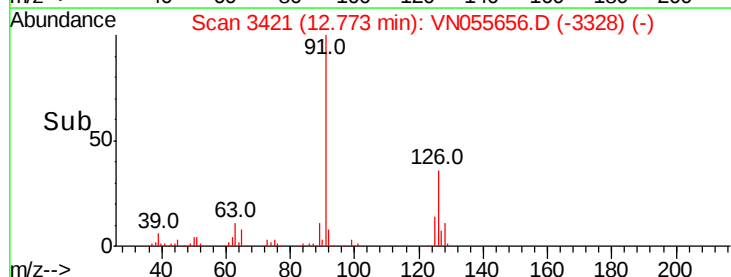
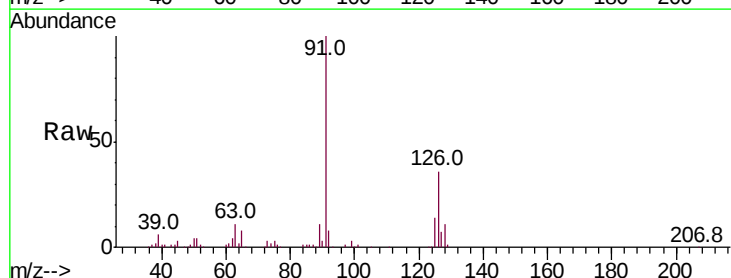
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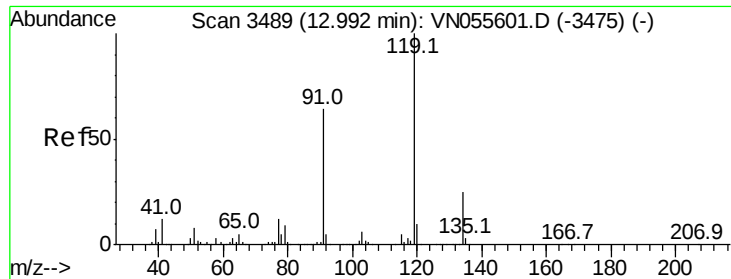
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.187 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6





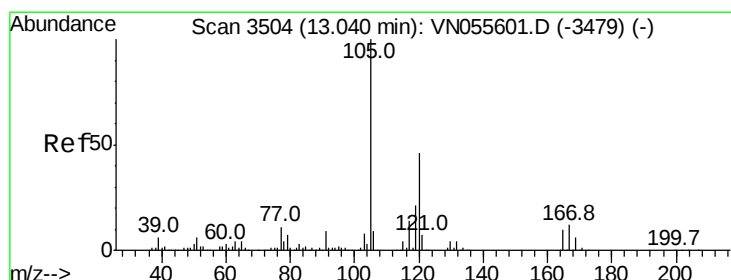
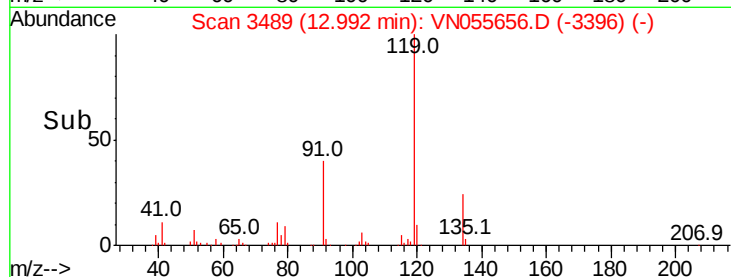
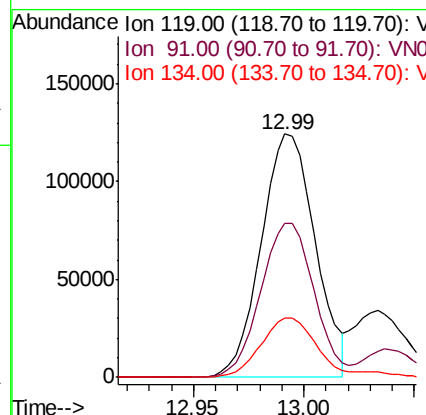
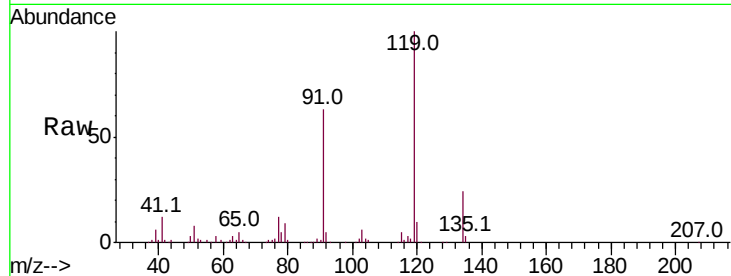
#83
tert-Butylbenzene
Concen: 19.403 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.8
134	24.9	13.2	39.6

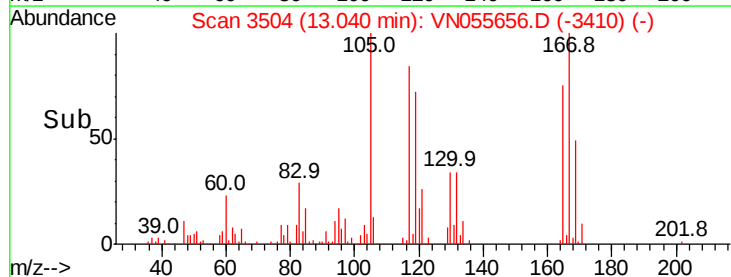
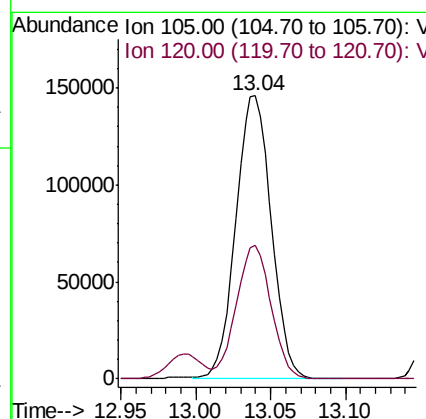
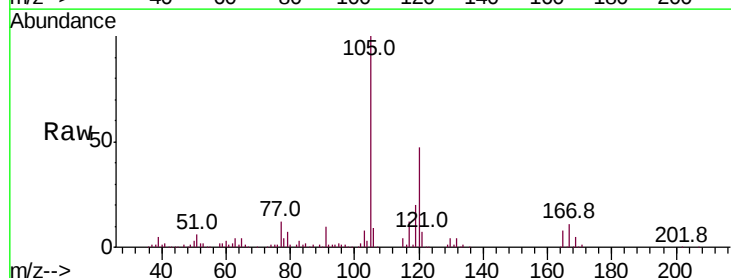
Manual Integrations
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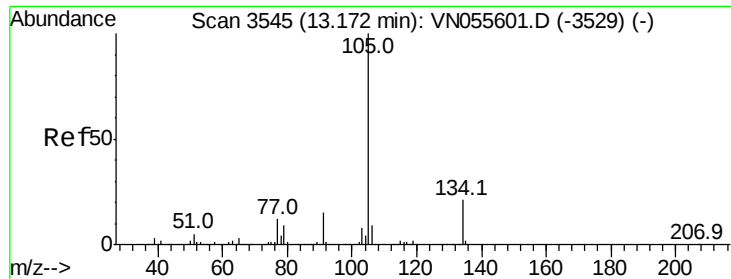
MMDadoda
5/20/2019 9:07:58 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.404 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





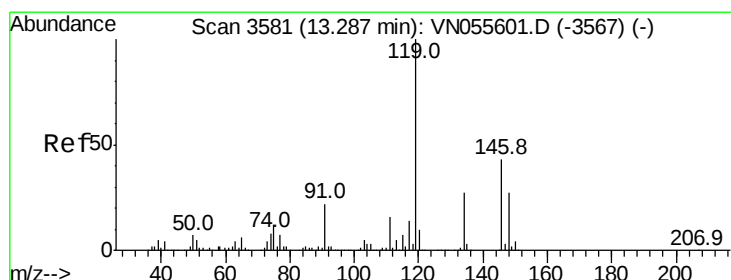
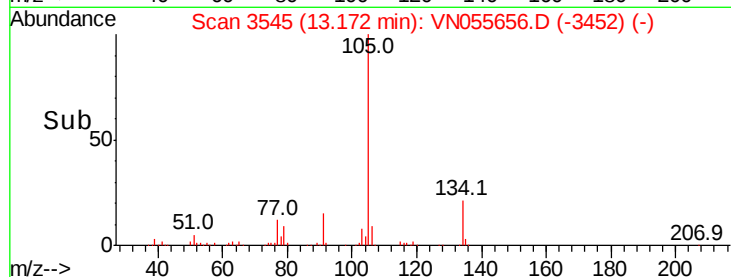
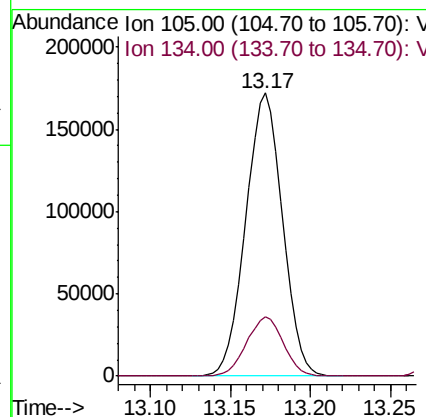
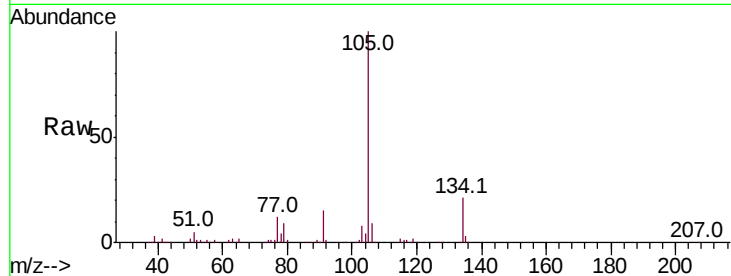
#85
 sec-Butylbenzene
 Concen: 19.170 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

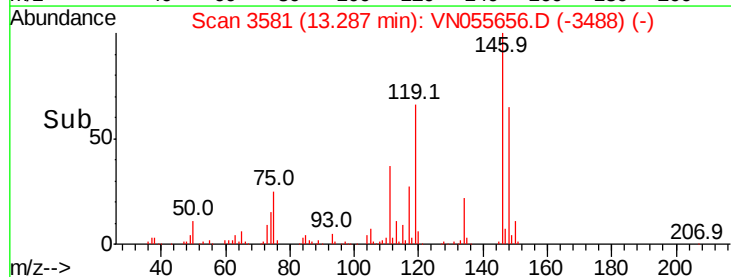
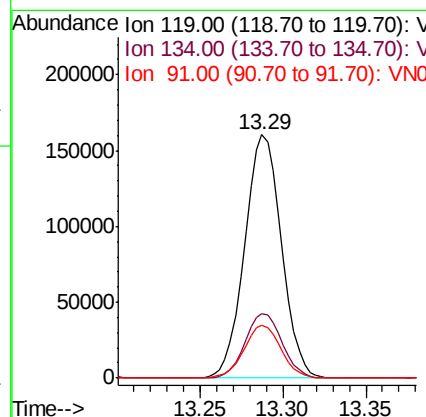
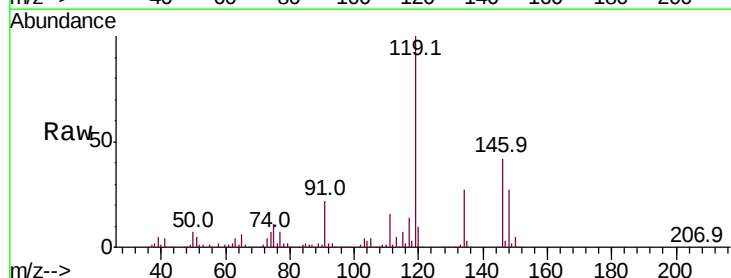
Manual Integrations
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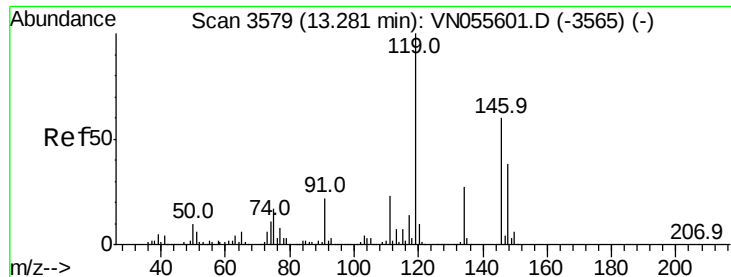
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#86
 p-Isopropyltoluene
 Concen: 19.092 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	21.4	11.0	33.0





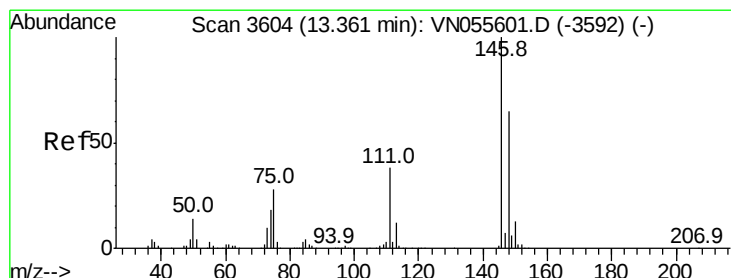
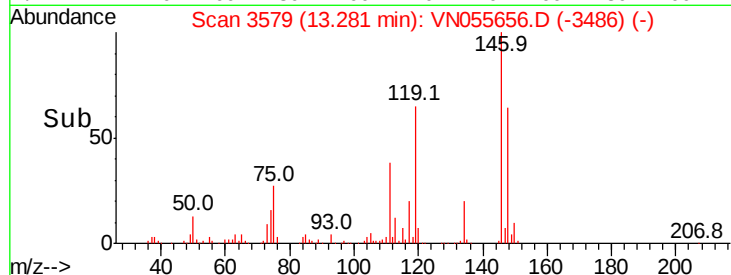
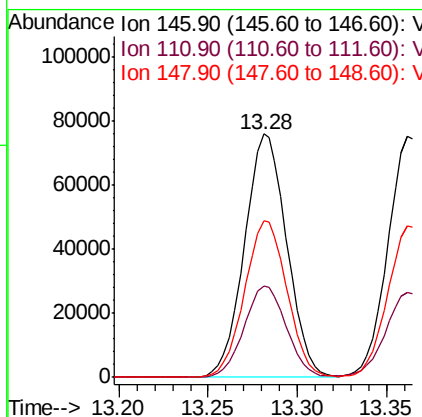
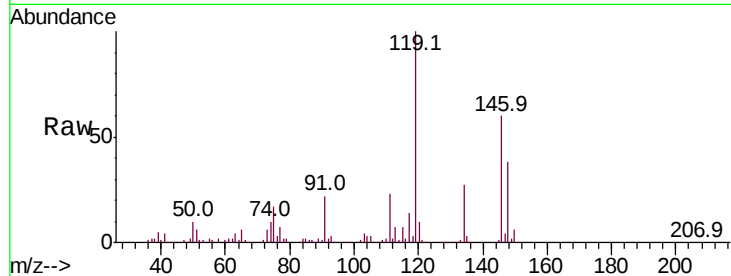
#87
 1,3-Dichlorobenzene
 Concen: 18.812 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	125652		
111	37.5	18.9	56.9	
148	64.5	31.9	95.9	

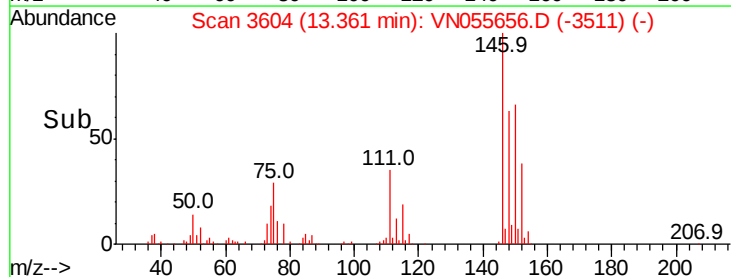
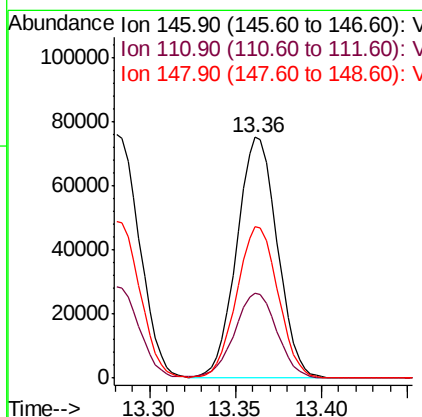
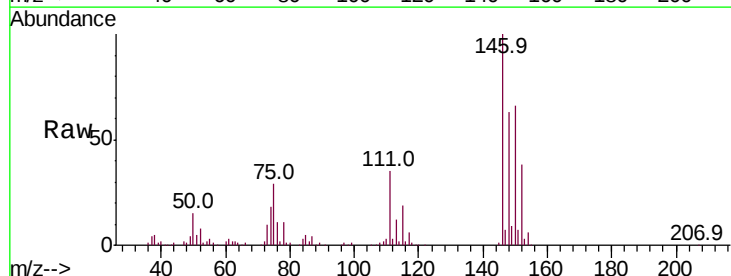
Manual Integrations
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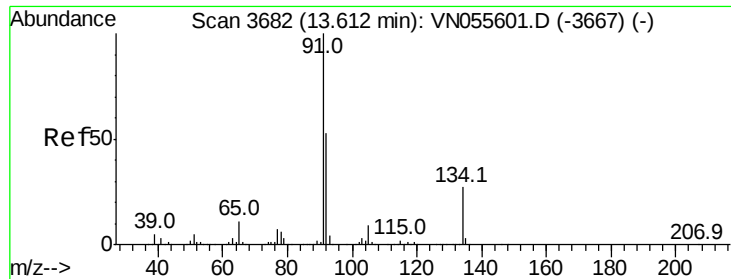
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 5/20/2019 9:07:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.277 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122938		
111	37.0	18.8	56.4	
148	64.2	32.4	97.0	





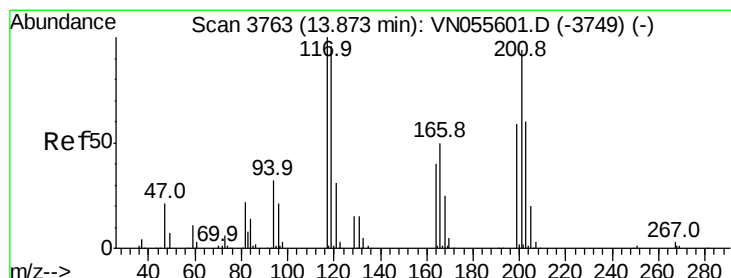
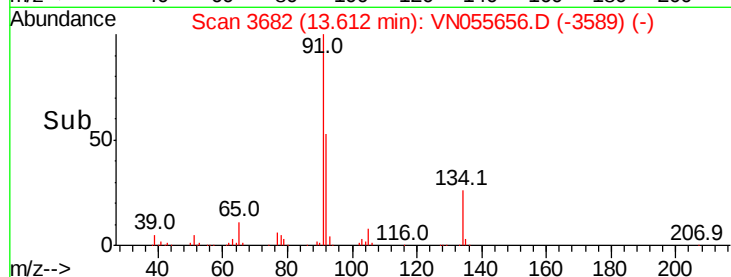
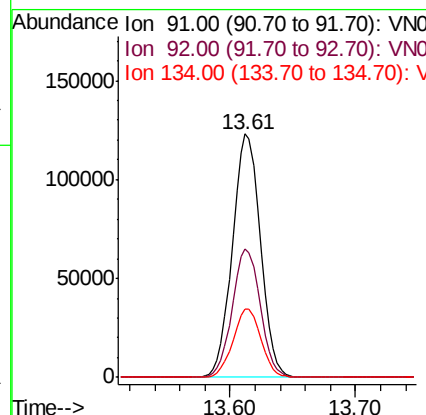
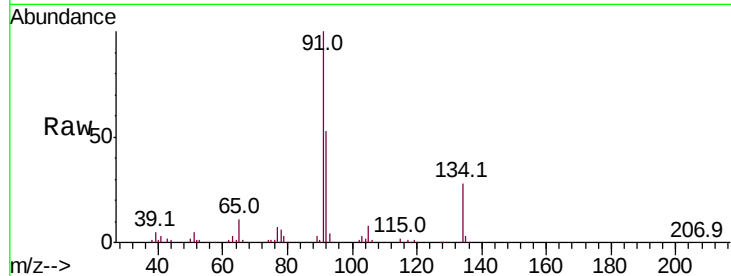
#89
n-Butylbenzene
Concen: 17.672 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	28.0	13.7	41.1

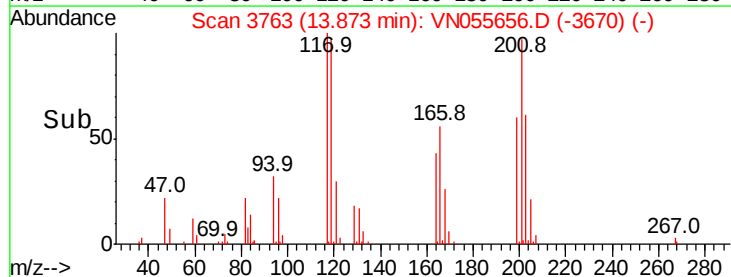
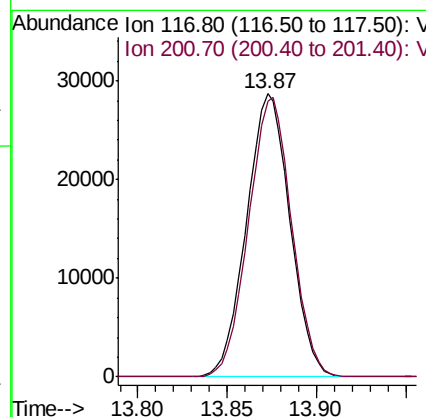
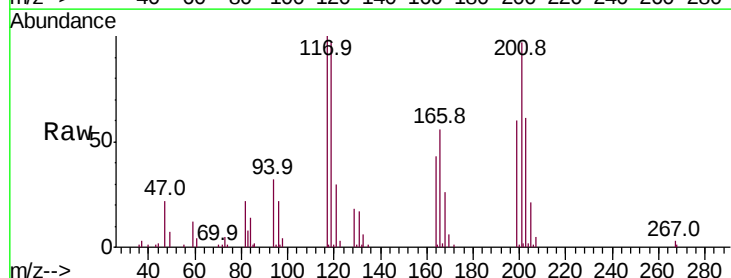
Manual Integrations
APPROVED

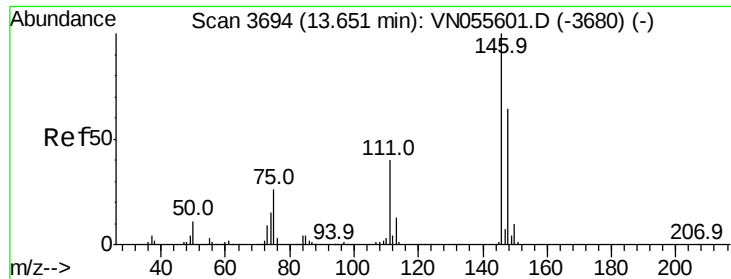
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#90
Hexachloroethane
Concen: 19.602 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	47.1	141.3





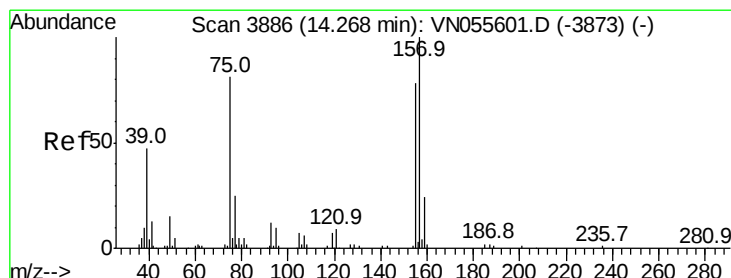
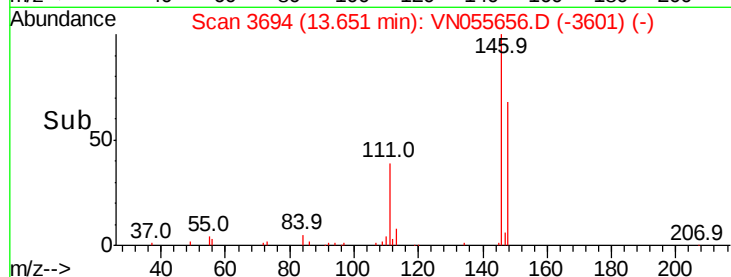
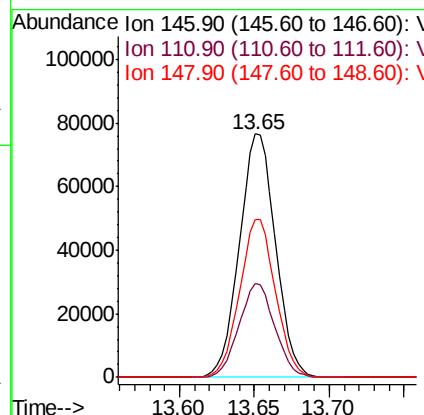
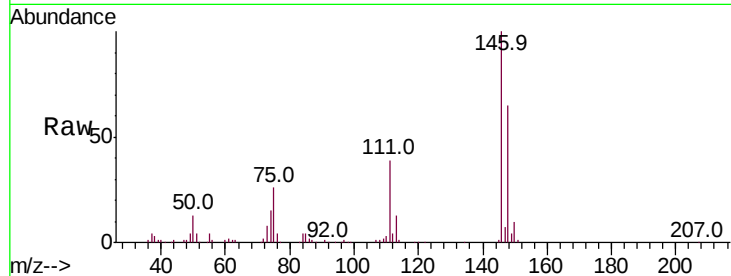
#91
 1,2-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0517WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.2	32.1	96.3

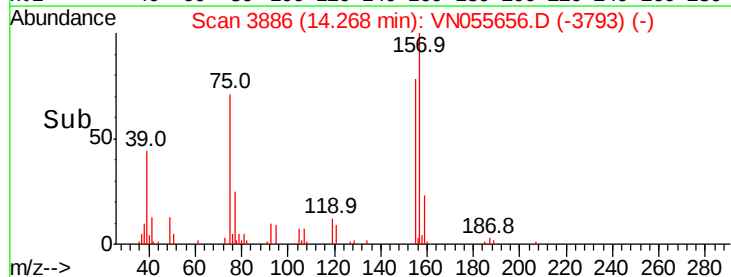
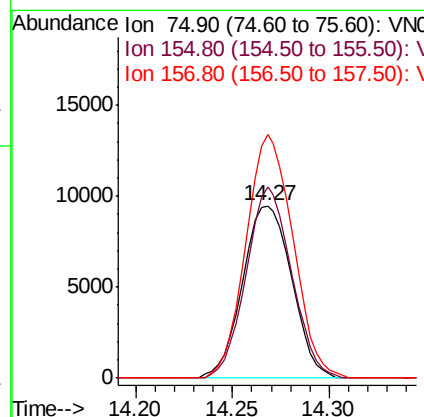
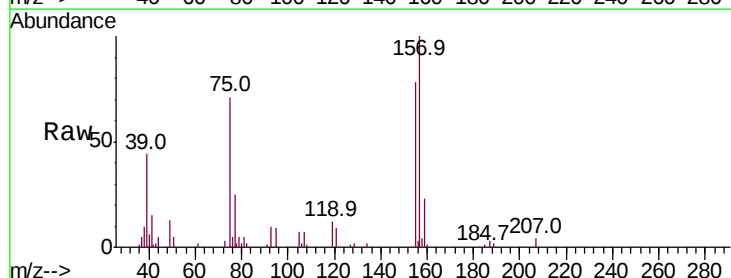
Manual Integrations
 APPROVED

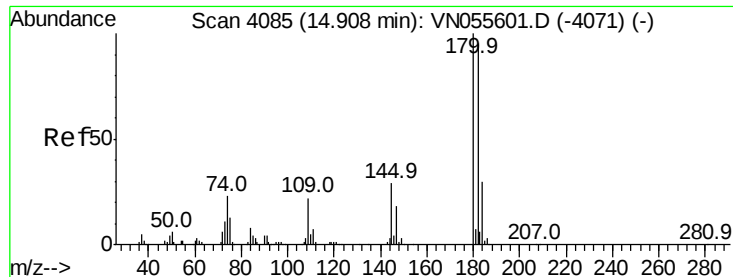
MMDadoda
 5/20/2019 9:07:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.765 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055656.D
 Acq: 18 May 2019 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	48.4	145.0
157	135.4	62.3	186.8





#93

1,2,4-Trichlorobenzene

Concen: 20.610 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Instrument :

MSVOA_N

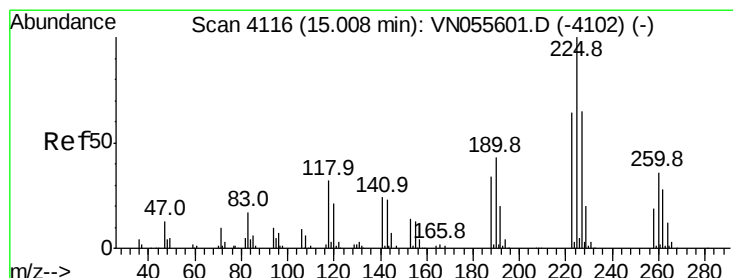
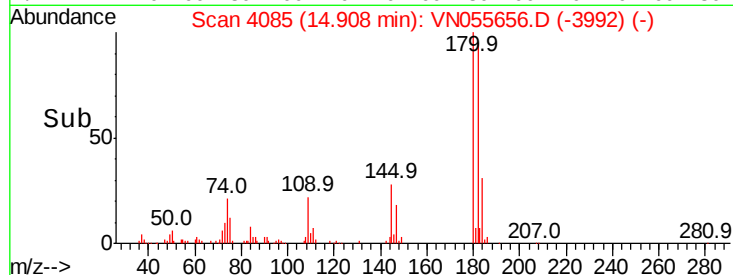
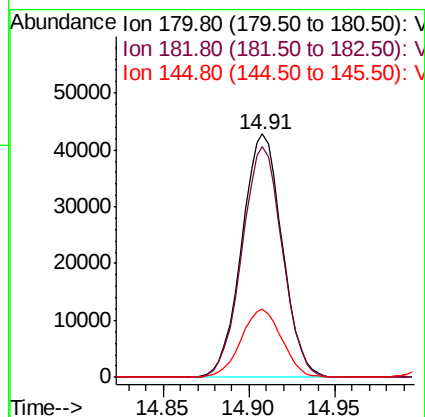
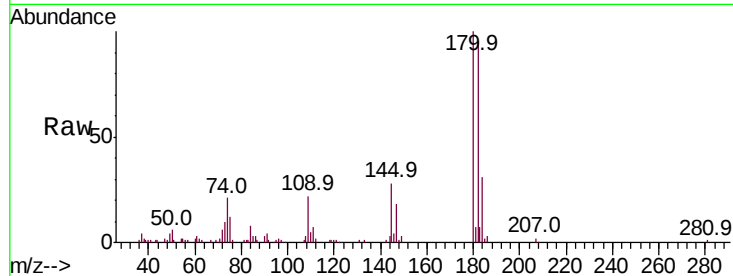
ClientSampleId :

VN0517WBSD02

Tot Ion:	180	Resp:	69852
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.6
145	28.2	14.3	42.9

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#94

Hexachlorobutadiene

Concen: 18.699 ug/l

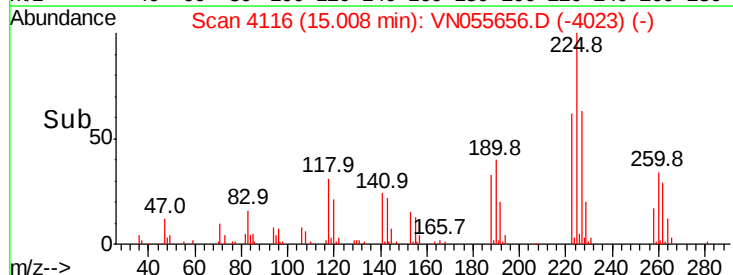
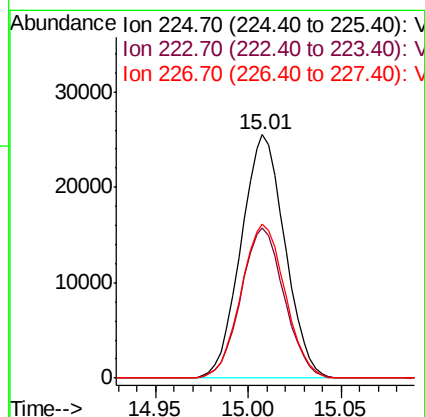
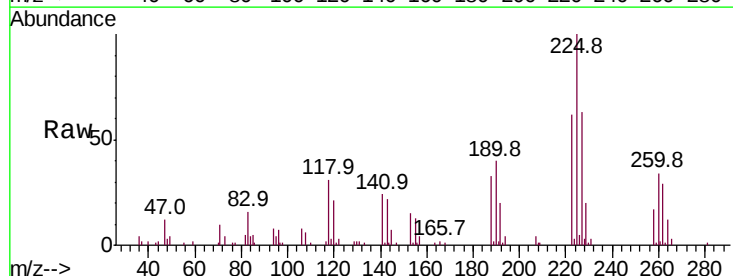
RT: 15.01 min Scan# 4116

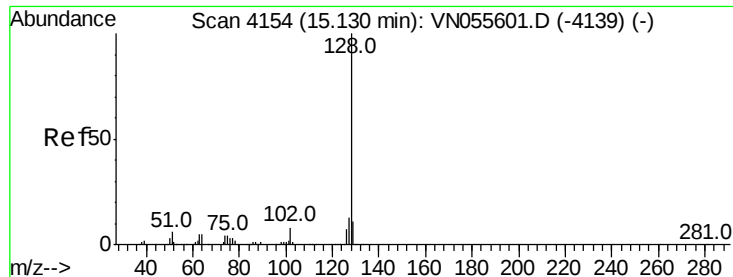
Delta R.T. 0.00 min

Lab File: VN055656.D

Acq: 18 May 2019 10:24

Tgt Ion:	225	Resp:	41982
Ion Ratio	Lower	Upper	
225	100		
223	60.9	31.6	94.7
227	63.8	32.4	97.0





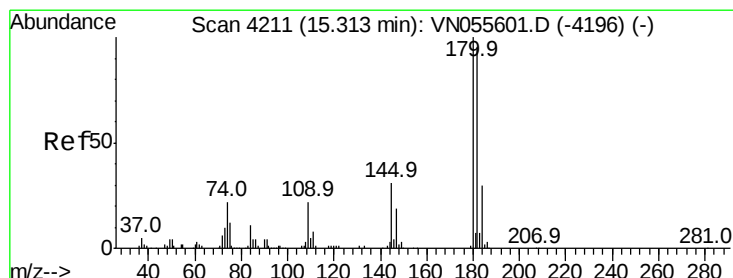
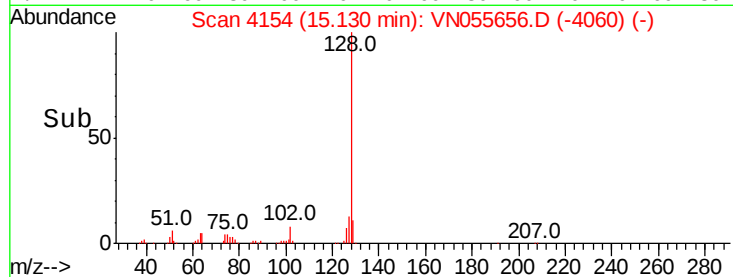
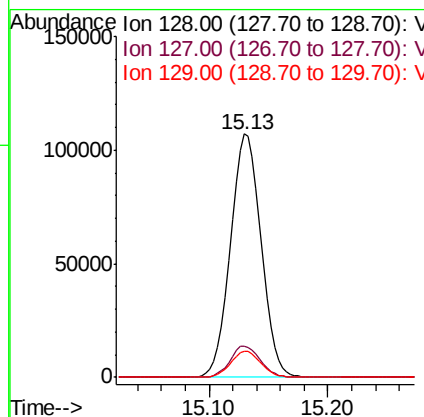
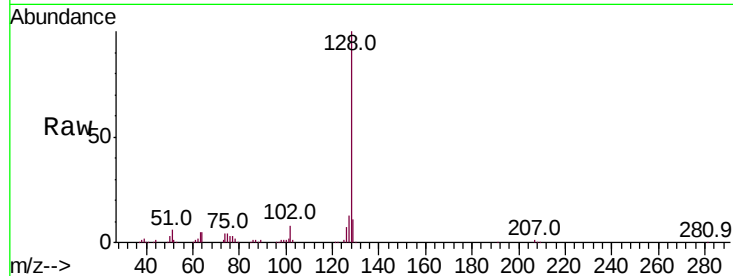
#95
Naphthalene
Concen: 19.796 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0517WBSD02

Tot Ion:	128	Resp:	191188
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.021 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055656.D
Acq: 18 May 2019 10:24

Tgt Ion:	180	Resp:	74492
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.9	143.6
145	28.9	15.4	46.1

