

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056668.D
 Acq On : 11 Jul 2019 16:32
 Operator : JC/SP
 Sample : VN0712WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Manual Integrations
 APPROVED

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 7/12/2019 5:32:54 PM

Quant Time: Jul 12 05:36:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	307651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	471173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	171362	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.59	113	151685	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	563641	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	191467	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42059	16.145	ug/l	99
3) Chloromethane	2.06	50	56401	15.901	ug/l	99
4) Vinyl Chloride	2.18	62	58942	17.205	ug/l	99
5) Bromomethane	2.55	94	33802	16.830	ug/l	98
6) Chloroethane	2.69	64	35322	17.804	ug/l	95
7) Trichlorofluoromethane	3.01	101	81464	18.383	ug/l	97
8) Diethyl Ether	3.41	74	33560	17.894	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	52911	18.722	ug/l	99
10) Methyl Iodide	3.95	142	56709	14.847	ug/l	99
11) Tert butyl alcohol	4.79	59	54873	95.550	ug/l	97
12) 1,1-Dichloroethene	3.73	96	47086	17.325	ug/l	99
13) Acrolein	3.61	56	15342	31.697	ug/l	99
14) Allyl chloride	4.32	41	86833	19.194	ug/l	98
15) Acrylonitrile	4.99	53	164323	103.429	ug/l	99
16) Acetone	3.82	43	148199	86.751	ug/l	100
17) Carbon Disulfide	4.05	76	88017	14.239	ug/l	99
18) Methyl Acetate	4.33	43	73331	21.421	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	176275	19.602	ug/l	95
20) Methylene Chloride	4.55	84	62815	18.952	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	50426	17.210	ug/l	98
22) Diisopropyl ether	5.95	45	195167	20.541	ug/l	97
23) Vinyl Acetate	5.90	43	766748	102.317	ug/l	100
24) 1,1-Dichloroethane	5.85	63	107279	19.670	ug/l	99
25) 2-Butanone	6.84	43	229099	101.328	ug/l	99
26) 2,2-Dichloropropane	6.82	77	75633	19.939	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	66403	19.370	ug/l	98
28) Bromochloromethane	7.19	49	49706	18.426	ug/l	99
29) Tetrahydrofuran	7.21	42	147771	106.950	ug/l	98
30) Chloroform	7.37	83	109345	20.318	ug/l	98
31) Cyclohexane	7.65	56	87900	16.694	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	83660	19.612	ug/l	97
36) 1,1-Dichloropropene	7.79	75	73783	17.791	ug/l	99
37) Ethyl Acetate	6.93	43	88646	21.750	ug/l	98
38) Carbon Tetrachloride	7.77	117	70677	19.488	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	84121	16.439	ug/l	99
40) Benzene	8.04	78	240895	18.884	ug/l	97
41) Methacrylonitrile	7.17	41	31513	17.510	ug/l	89
42) 1,2-Dichloroethane	8.12	62	81904	19.455	ug/l	100
43) Isopropyl Acetate	8.17	43	132508	21.085	ug/l	99
44) Trichloroethene	8.84	130	63718	18.542	ug/l	98
45) 1,2-Dichloropropane	9.12	63	68717	20.142	ug/l	97
46) Dibromomethane	9.21	93	42723	20.016	ug/l	99
47) Bromodichloromethane	9.40	83	80420	21.244	ug/l	98
48) Methyl methacrylate	9.20	41	65238	20.715	ug/l	98
49) 1,4-Dioxane	9.20	88	27633	422.819	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	446735	110.136	ug/l	100
52) Toluene	10.16	92	146048	18.726	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	79301	19.837	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	94188	20.661	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	66162	21.105	ug/l	98
56) Ethyl methacrylate	10.43	69	94811	20.694	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107549	20.421	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	223894	136.031	ug/l	99
59) 2-Hexanone	10.75	43	323155	108.398	ug/l	98
60) Dibromochloromethane	10.90	129	62865	20.962	ug/l	98
61) 1,2-Dibromoethane	11.00	107	64932	20.280	ug/l	98
64) Tetrachloroethene	10.63	164	62434	18.859	ug/l	98
65) Chlorobenzene	11.43	112	162973	19.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	61154	21.541	ug/l	98
67) Ethyl Benzene	11.51	91	279864	18.975	ug/l	100
68) m/p-Xylenes	11.62	106	208007	38.482	ug/l	98
69) o-Xylene	11.95	106	104940	19.624	ug/l	98
70) Styrene	11.96	104	173030	20.243	ug/l	100
71) Bromoform	12.13	173	44650	21.413	ug/l #	99
73) Isopropylbenzene	12.25	105	274093	18.295	ug/l	100
74) N-amyl acetate	12.07	43	105521	18.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97005	21.085	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85888m	22.700	ug/l	
77) Bromobenzene	12.53	156	72868	17.860	ug/l	96
78) n-propylbenzene	12.59	91	300264	17.969	ug/l	99
79) 2-Chlorotoluene	12.67	91	185347	18.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	234208	18.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22697	21.321	ug/l	98
82) 4-Chlorotoluene	12.77	91	179149	18.158	ug/l	99
83) tert-Butylbenzene	12.99	119	201985	18.444	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232301	18.911	ug/l	99
85) sec-Butylbenzene	13.17	105	261630	17.814	ug/l	99
86) p-Isopropyltoluene	13.29	119	233428	18.519	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116804	18.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114515	19.123	ug/l	100
89) n-Butylbenzene	13.61	91	183945	19.278	ug/l	99
90) Hexachloroethane	13.87	117	36265	18.455	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	123225	20.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15179	22.482	ug/l	97

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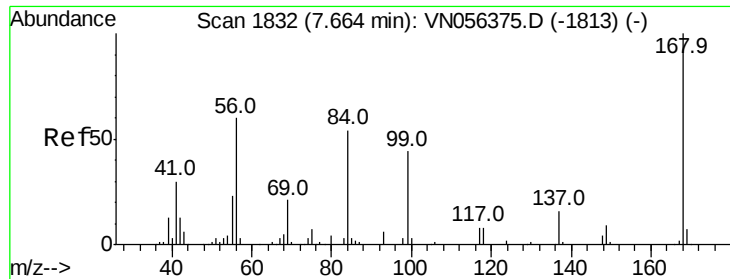
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55462	21.026	ug/l	98
94) Hexachlorobutadiene	15.01	225	41799	18.939	ug/l	99
95) Naphthalene	15.13	128	140231	20.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59056	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:168 Resp: 307651

Ion Ratio Lower Upper

168 100

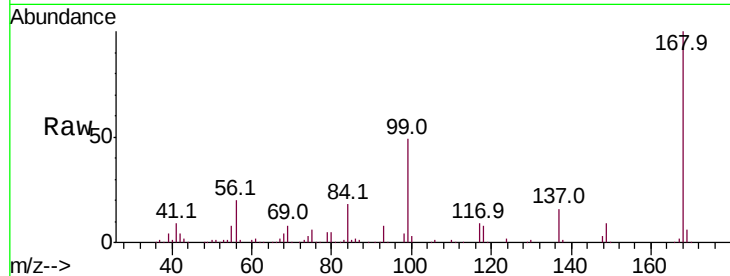
99 49.0 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

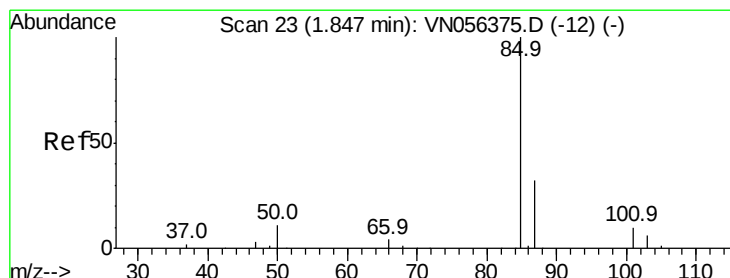
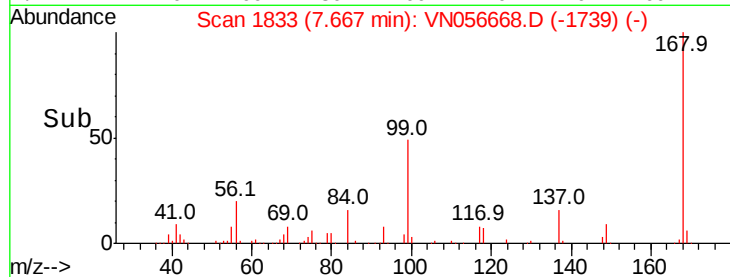
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.145 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056668.D

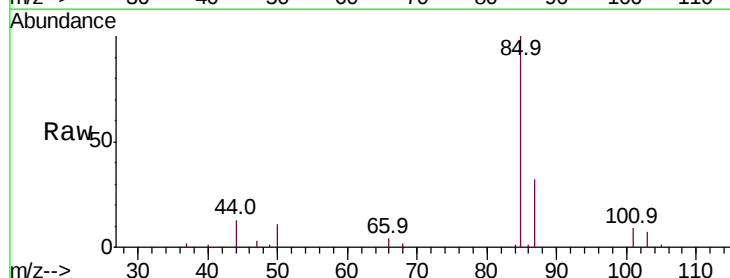
Acq: 11 Jul 2019 16:32

Tgt Ion: 85 Resp: 42059

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

15000

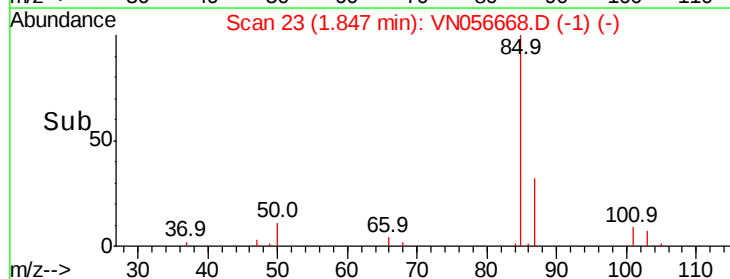
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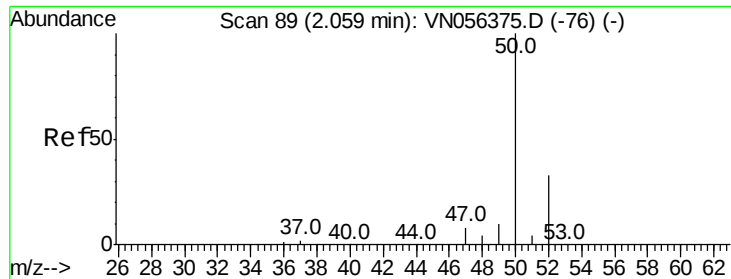
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 15.901 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 50 Resp: 56401

Ion Ratio Lower Upper

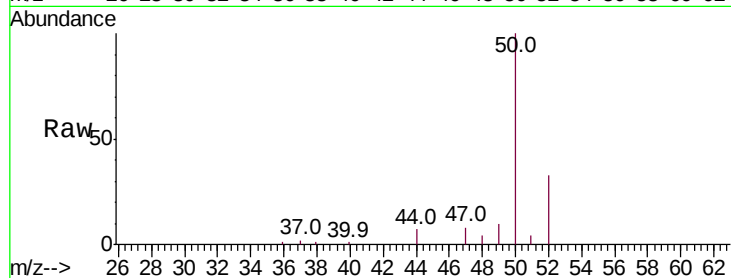
50 100

52 33.5 26.5 39.7

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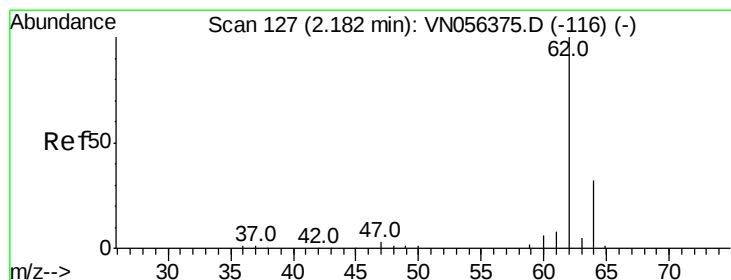
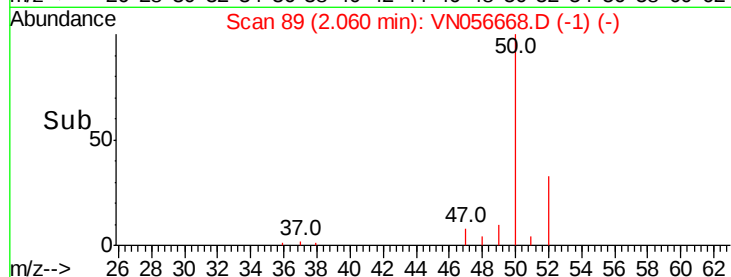
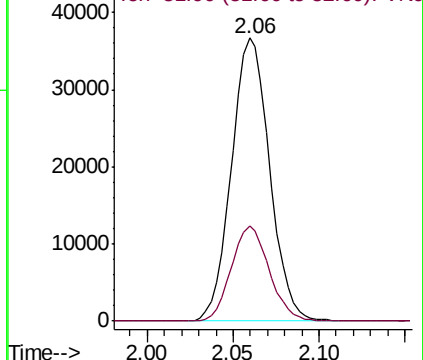
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.205 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056668.D

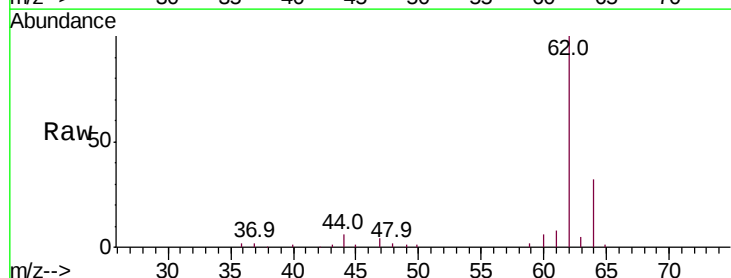
Acq: 11 Jul 2019 16:32

Tgt Ion: 62 Resp: 58942

Ion Ratio Lower Upper

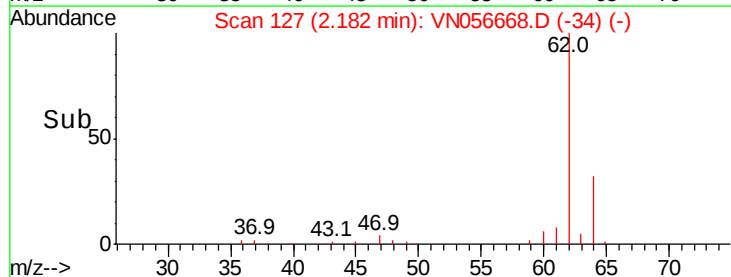
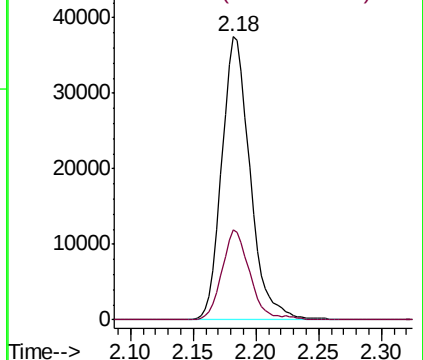
62 100

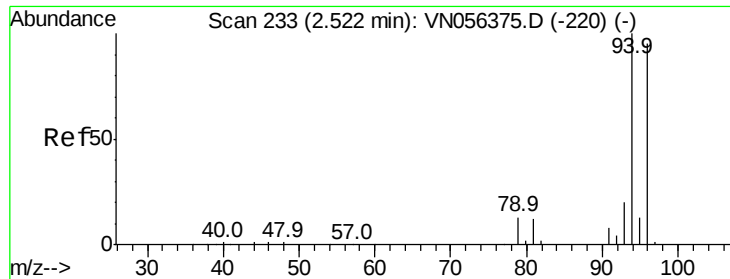
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.830 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.03 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

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ClientSampleId :

VN0712WBS01

Tot Ion: 94 Resp: 33802

Ion Ratio Lower Upper

94 100

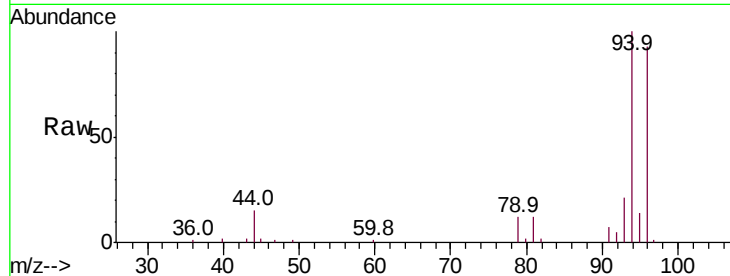
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Manual Integrations

APPROVED

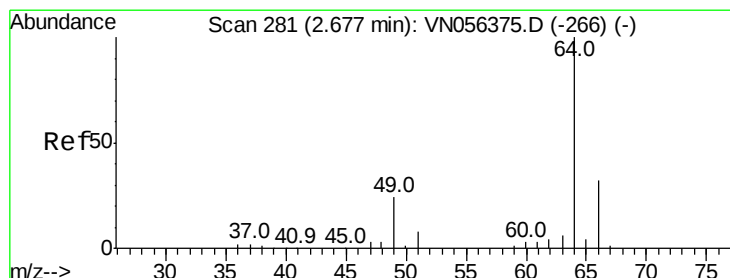
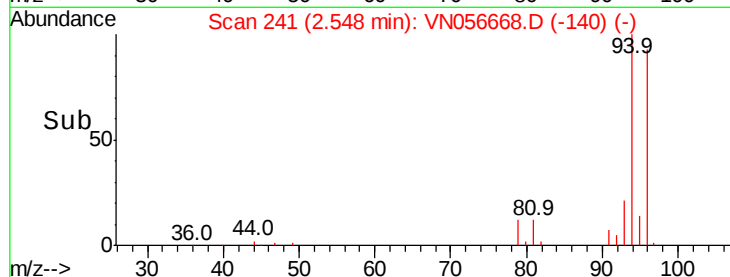
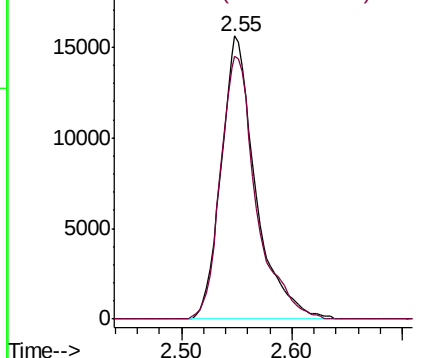
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.804 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.02 min

Lab File: VN056668.D

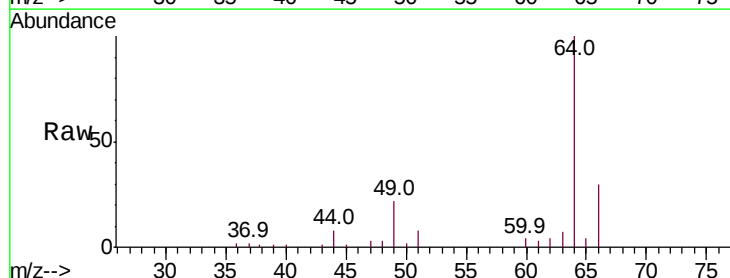
Acq: 11 Jul 2019 16:32

Tgt Ion: 64 Resp: 35322

Ion Ratio Lower Upper

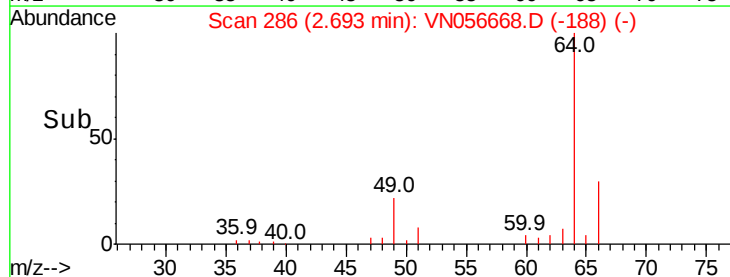
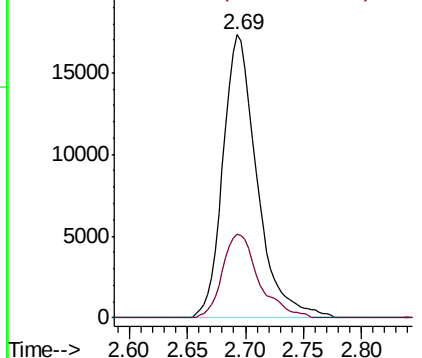
64 100

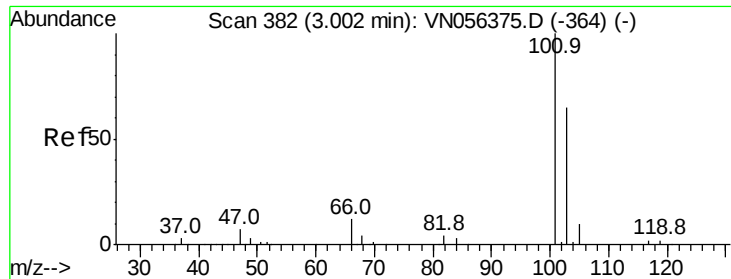
66 29.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

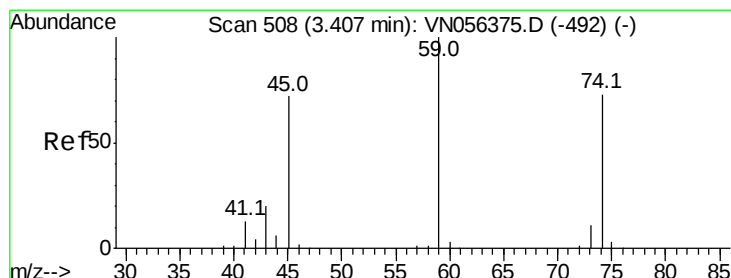
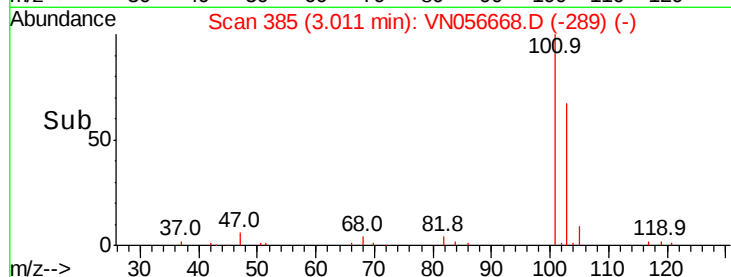
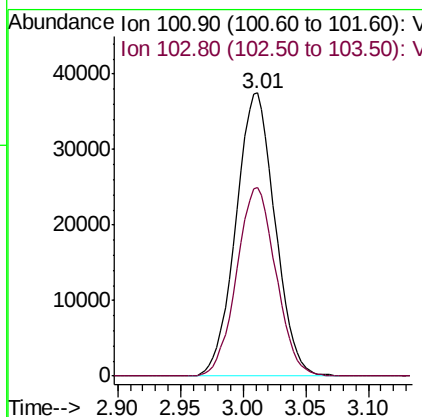
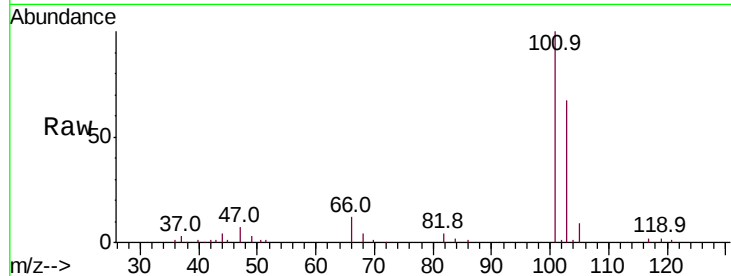
Trichlorofluoromethane
 Concen: 18.383 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
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 VN0712WBS01

Tot Ion:101 Resp: 81464
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.7 77.5

Manual Integrations
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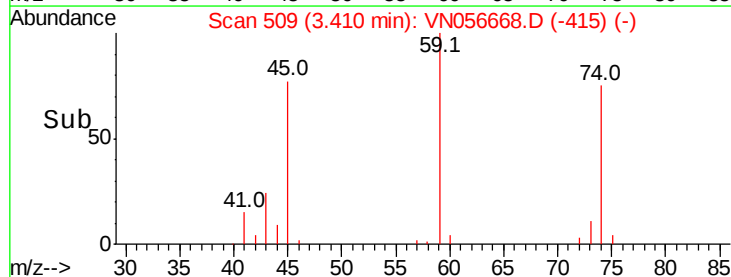
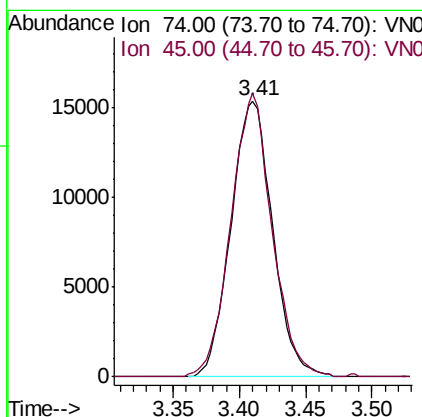
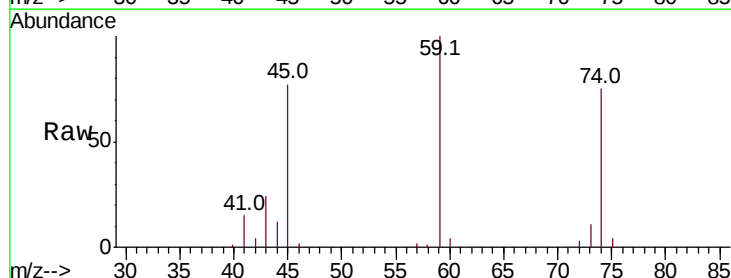
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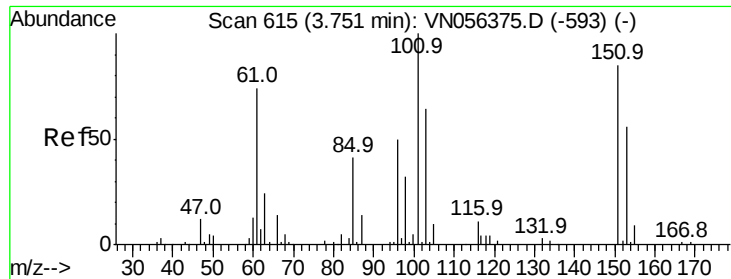


#8

Diethyl Ether
 Concen: 17.894 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 74 Resp: 33560
 Ion Ratio Lower Upper
 74 100
 45 101.7 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.722 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

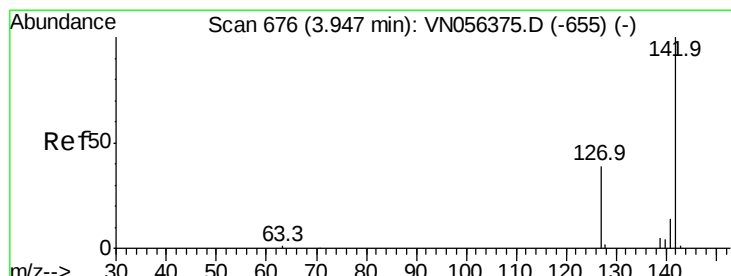
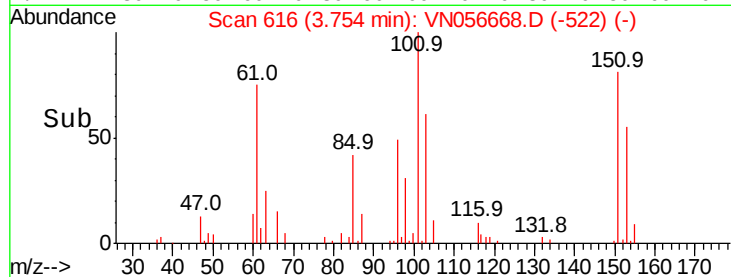
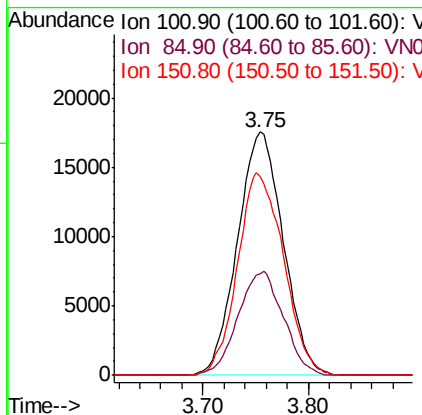
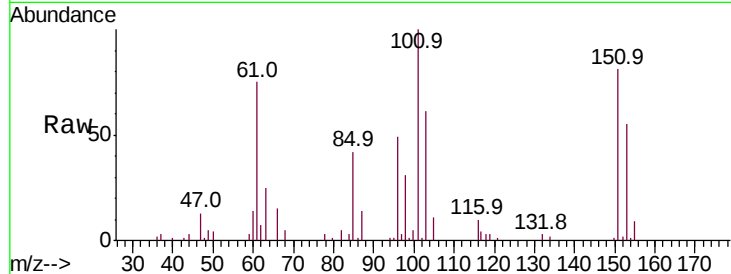
ClientSampleId :

VN0712WBS01

Tot Ion:	101	Resp:	52911
Ion Ratio	Lower	Upper	
101	100		
85	42.3	32.7	49.1
151	83.4	66.8	100.2

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#10

Methyl Iodide

Concen: 14.847 ug/l

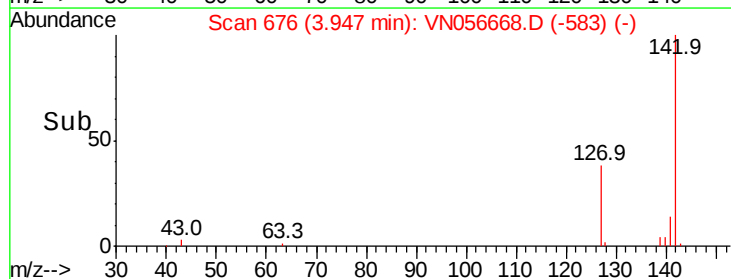
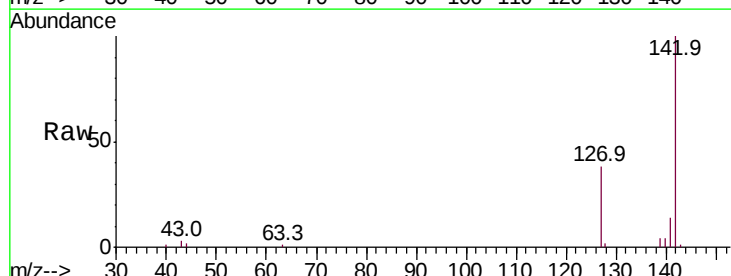
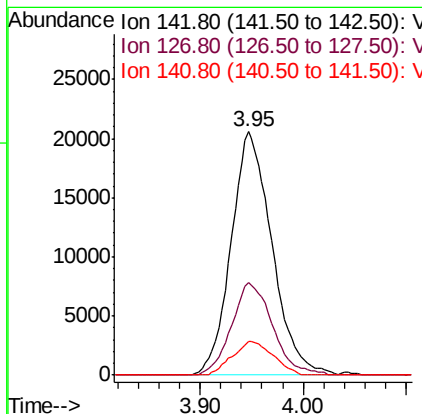
RT: 3.95 min Scan# 676

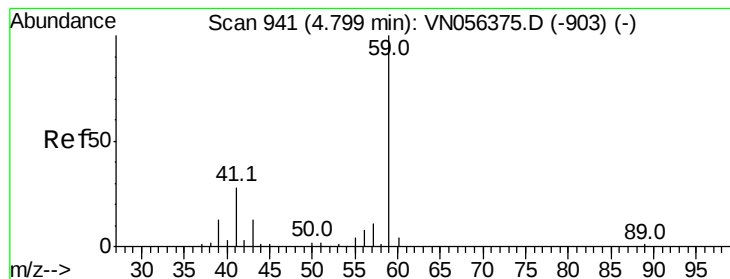
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	142	Resp:	56709
Ion Ratio	Lower	Upper	
142	100		
127	38.1	30.6	46.0
141	13.8	11.4	17.2





#11

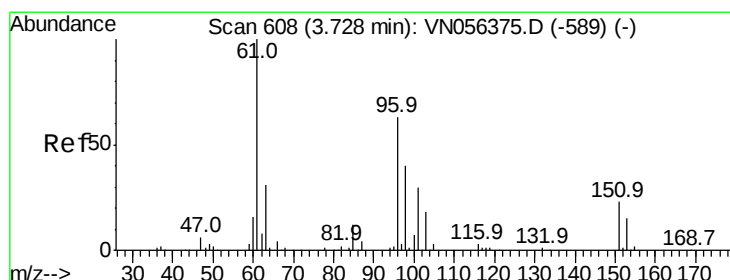
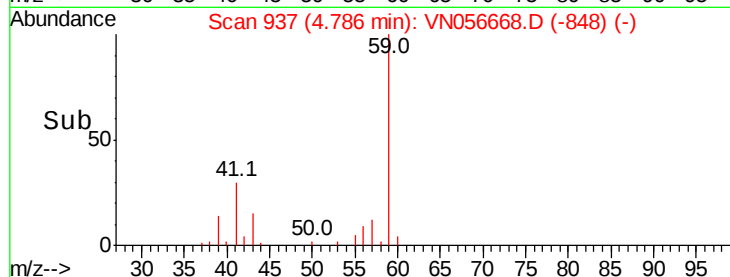
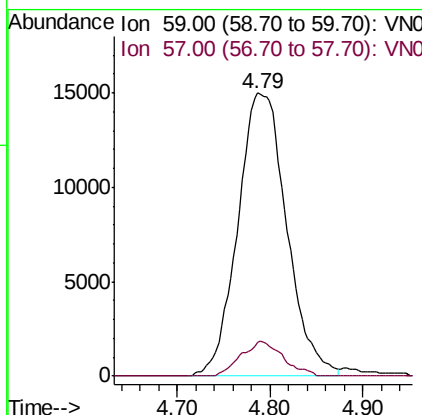
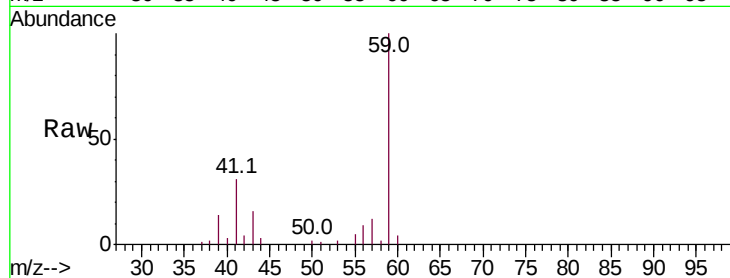
Tert butyl alcohol
 Concen: 95.550 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	59	Resp	54873
Ion Ratio	100	Lower	Upper
57	10.6	7.6	11.4

Manual Integrations
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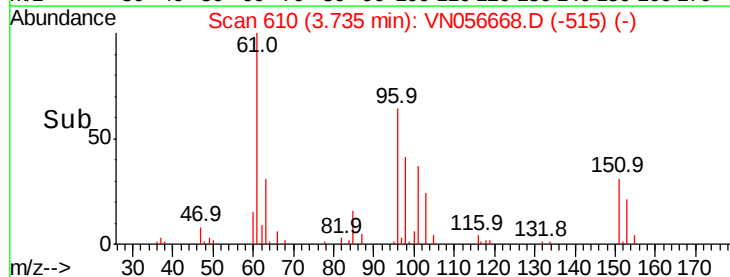
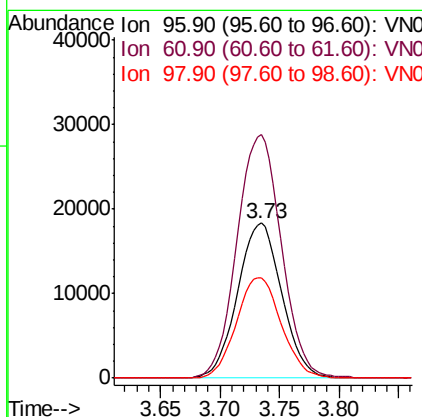
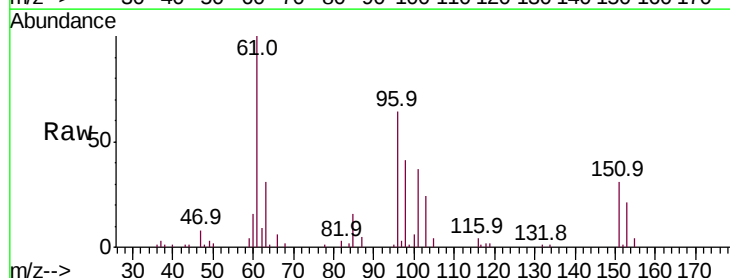
MMDadoda
 7/12/2019 5:32:54 PM

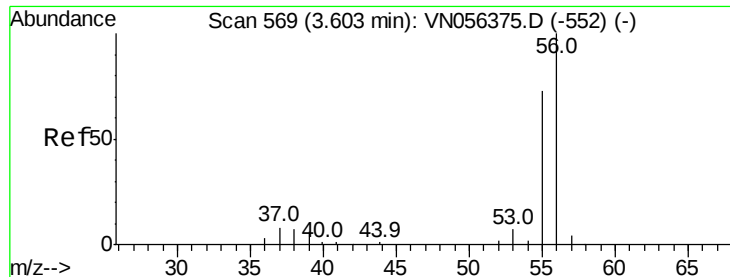


#12

1,1-Dichloroethene
 Concen: 17.325 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	96	Resp	47086
Ion Ratio	100	Lower	Upper
61	157.0	126.6	190.0
98	64.8	51.1	76.7





#13

Acrolein

Concen: 31.697 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 56 Resp: 15342

Ion Ratio Lower Upper

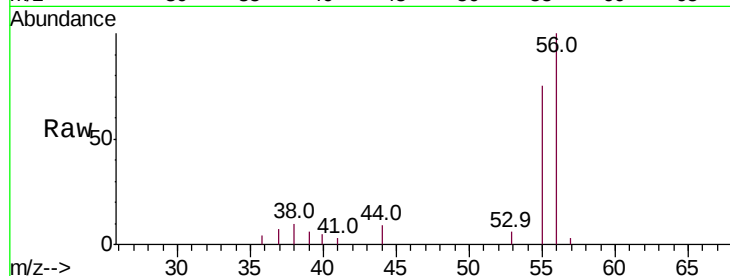
56 100

55 70.5 57.1 85.7

Manual Integrations
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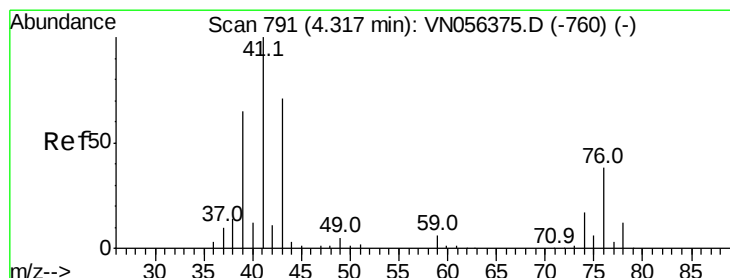
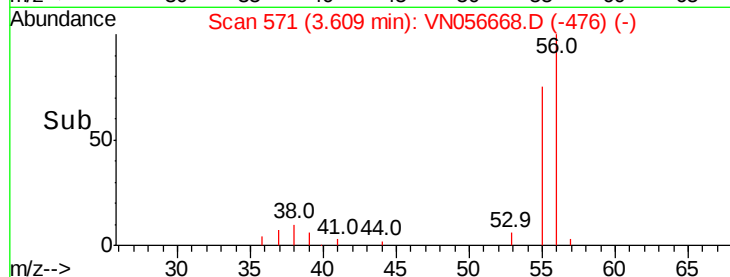
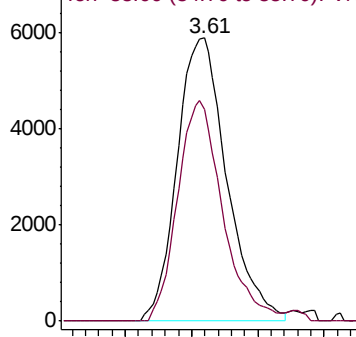
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.194 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

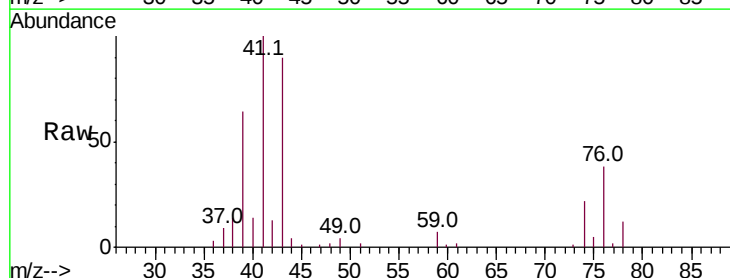
Tgt Ion: 41 Resp: 86833

Ion Ratio Lower Upper

41 100

39 59.9 48.6 73.0

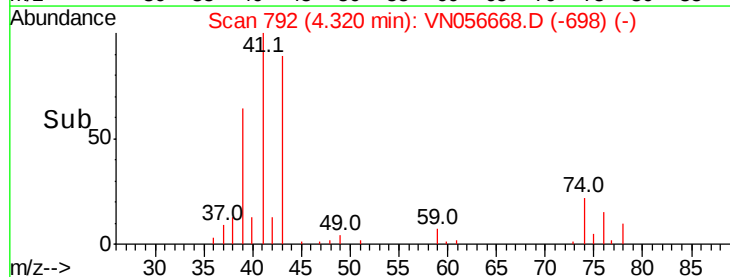
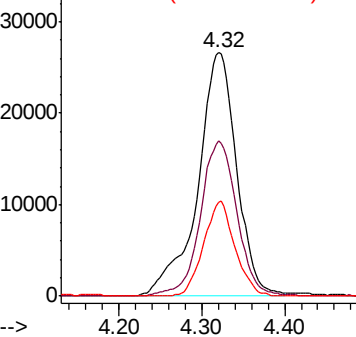
76 31.5 26.6 40.0

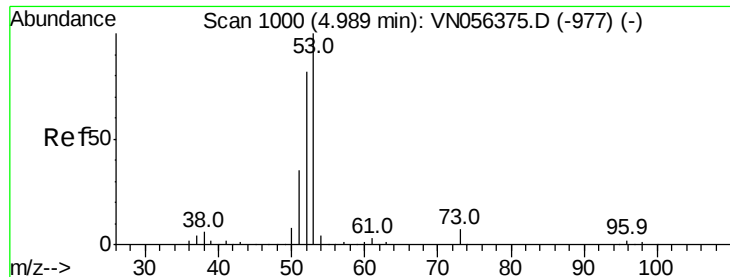


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





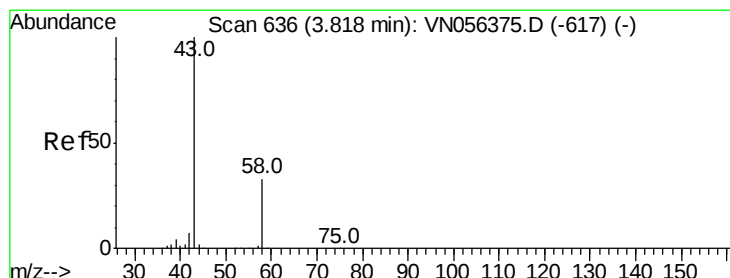
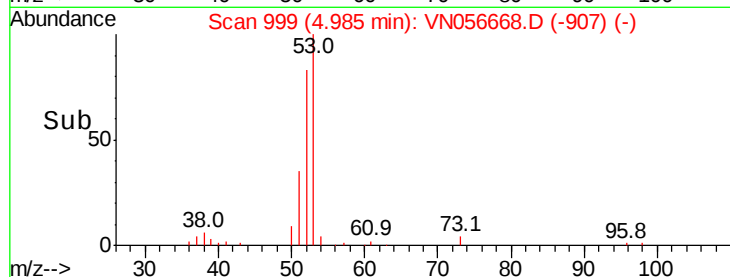
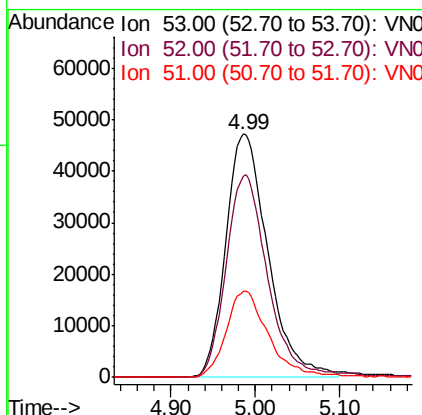
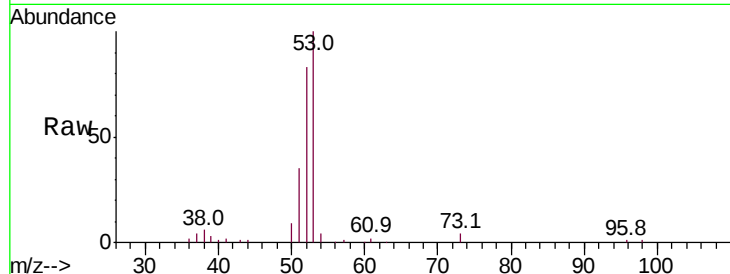
#15
 Acrylonitrile
 Concen: 103.429 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.9	98.9
51	35.7	28.3	42.5

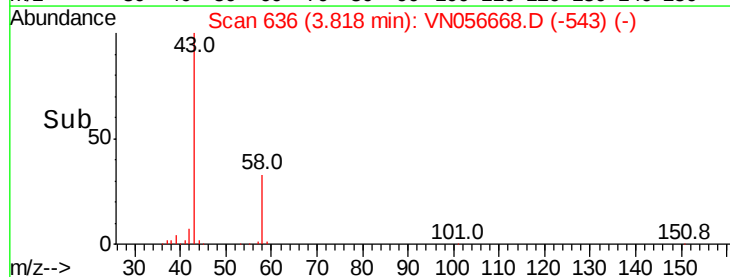
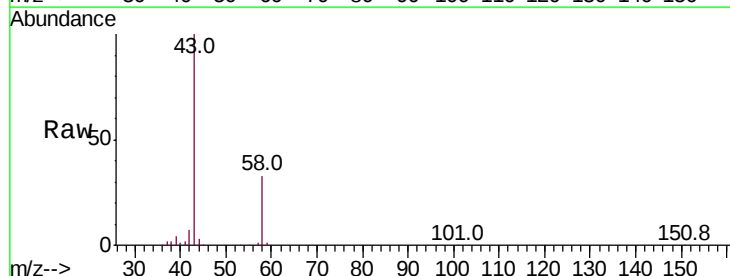
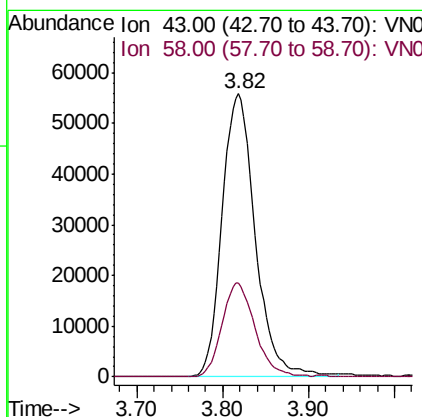
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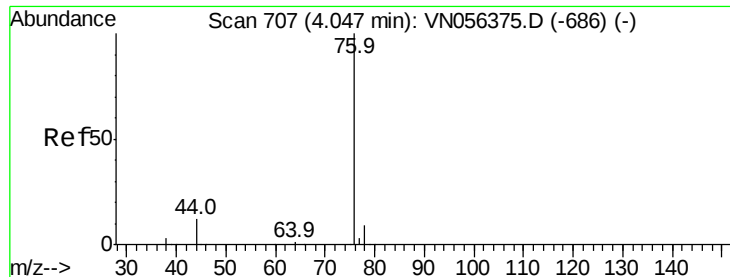
MMDadoda
 7/12/2019 5:32:54 PM



#16
 Acetone
 Concen: 86.751 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.4	39.6





#17

Carbon Disulfide

Concen: 14.239 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 76 Resp: 88017

Ion Ratio Lower Upper

76 100

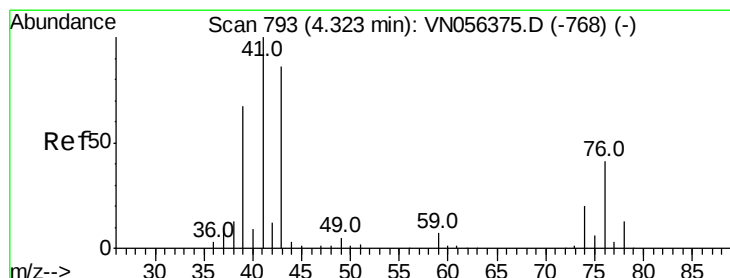
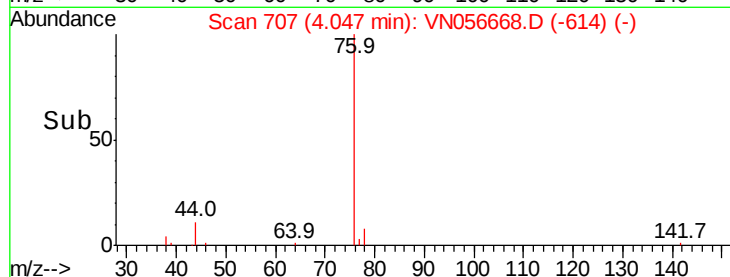
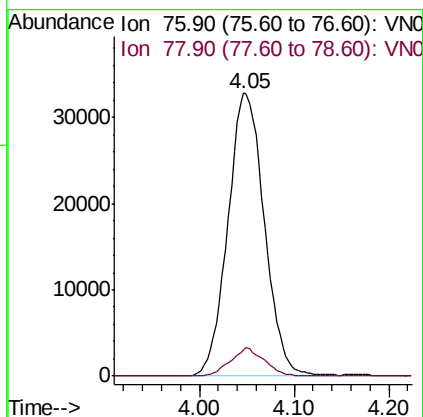
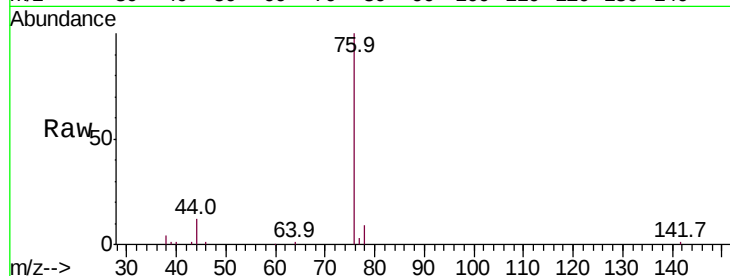
78 9.4 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

7/12/2019 5:32:54 PM



#18

Methyl Acetate

Concen: 21.421 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056668.D

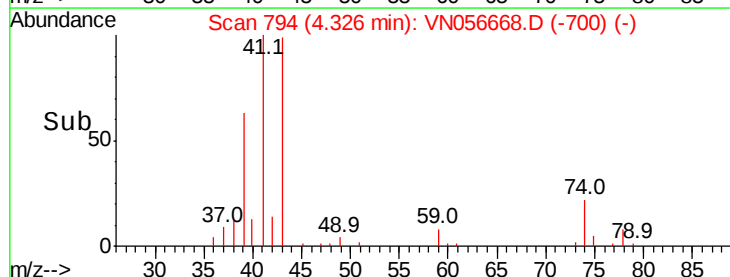
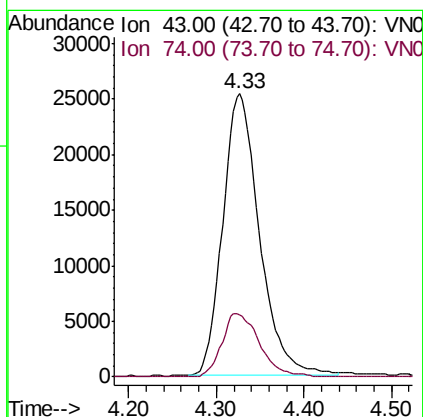
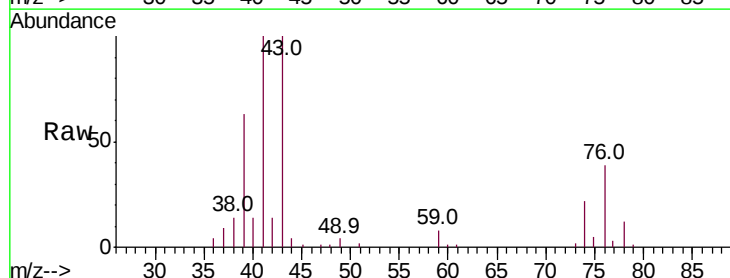
Acq: 11 Jul 2019 16:32

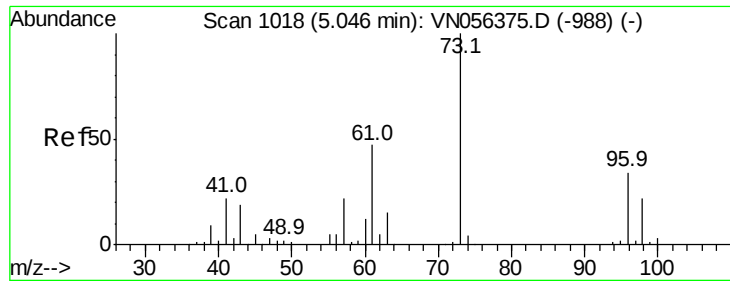
Tgt Ion: 43 Resp: 73331

Ion Ratio Lower Upper

43 100

74 23.2 19.2 28.8





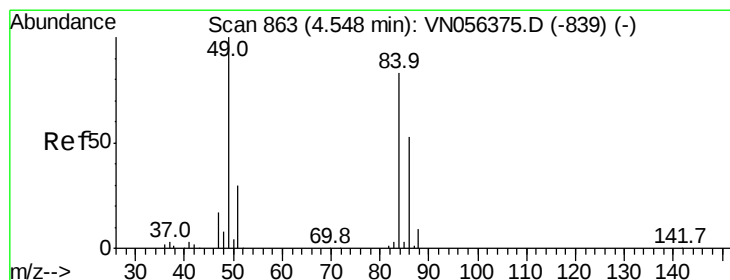
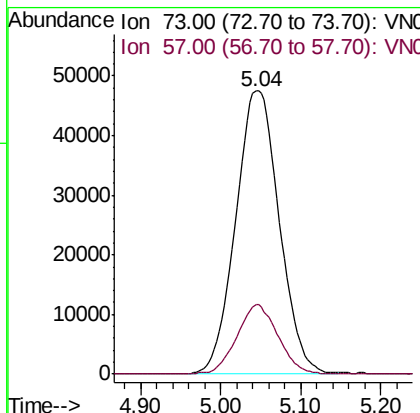
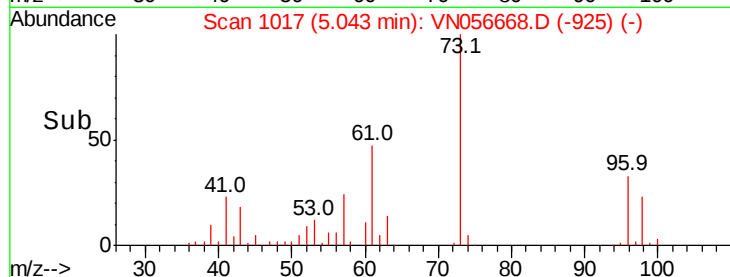
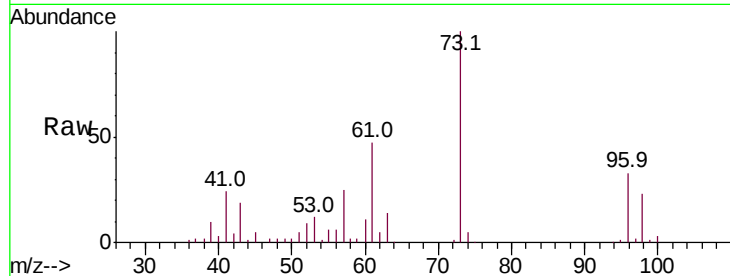
#19
Methvl tert-butvl Ether
Concen: 19.602 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 73 Resp: 176275
Ion Ratio Lower Upper
73 100
57 24.6 17.9 26.9

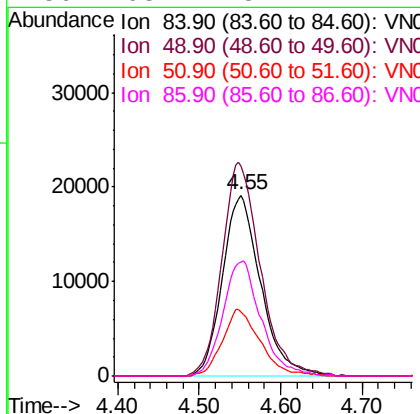
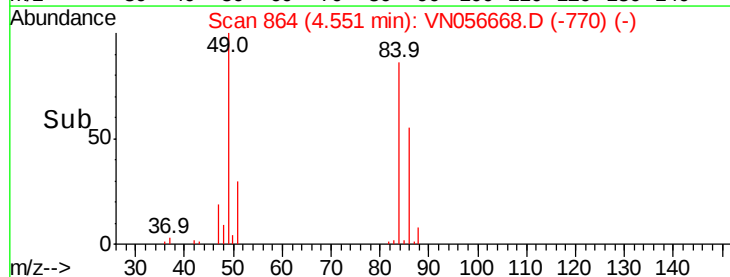
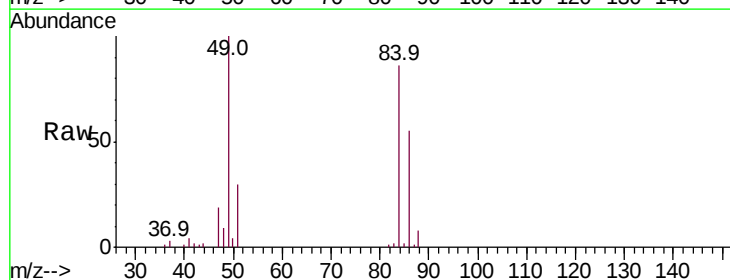
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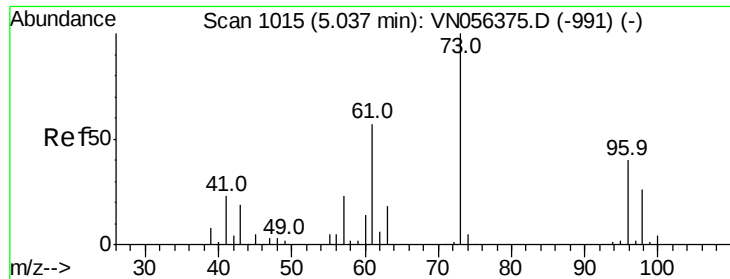
MMDadoda
7/12/2019 5:32:54 PM



#20
Methylene Chloride
Concen: 18.952 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 84 Resp: 62815
Ion Ratio Lower Upper
84 100
49 116.1 96.4 144.6
51 35.4 28.6 43.0
86 63.4 51.4 77.2





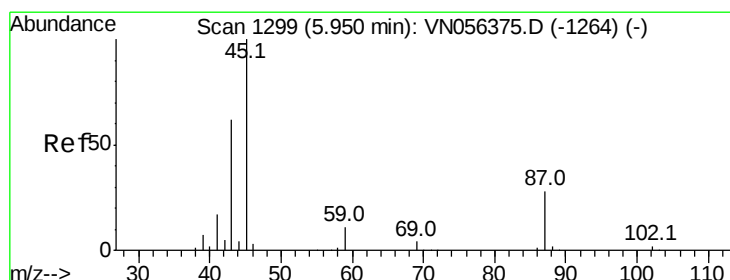
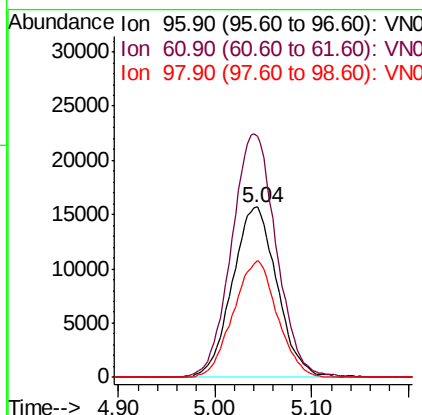
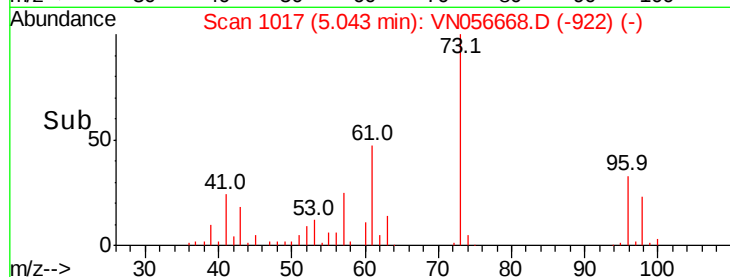
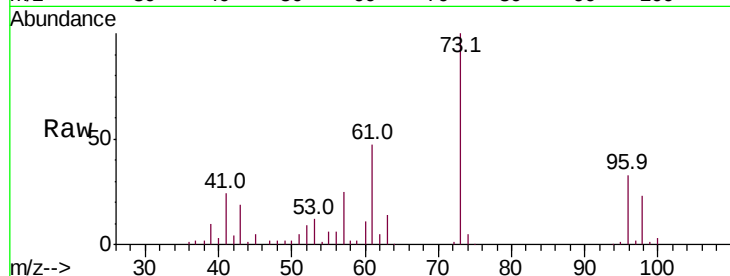
#21
trans-1,2-Dichloroethene
Concen: 17.210 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	113.0	169.6
98	68.3	52.2	78.2

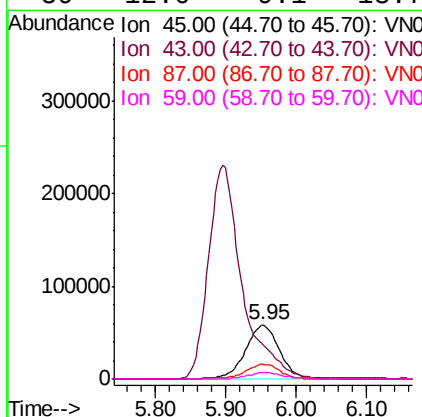
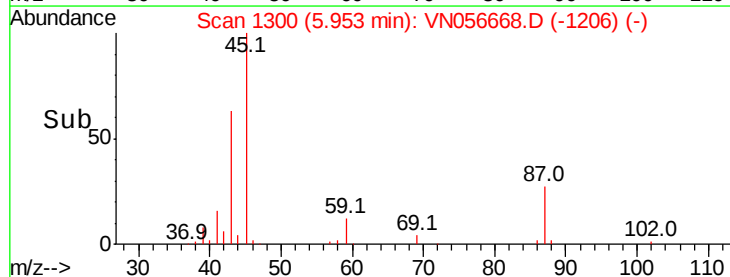
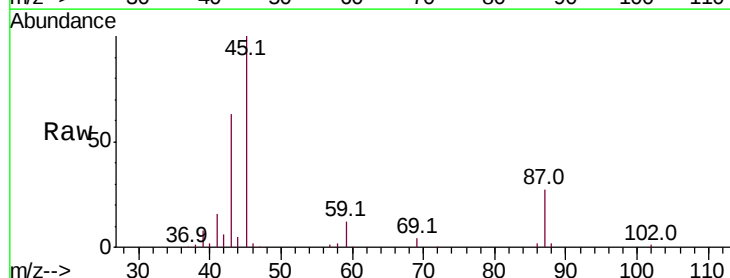
Manual Integrations
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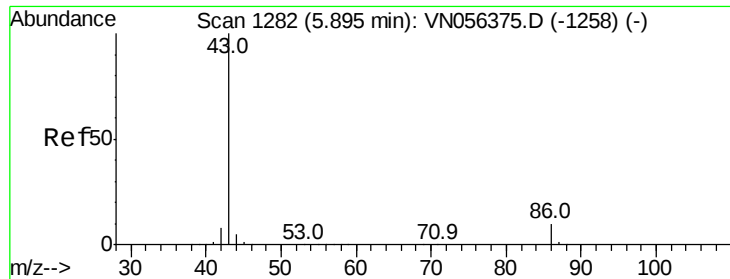
MMDadoda
7/12/2019 5:32:54 PM



#22
Diisopropyl ether
Concen: 20.541 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	50.4	75.6
87	27.2	23.0	34.4
59	12.0	9.1	13.7





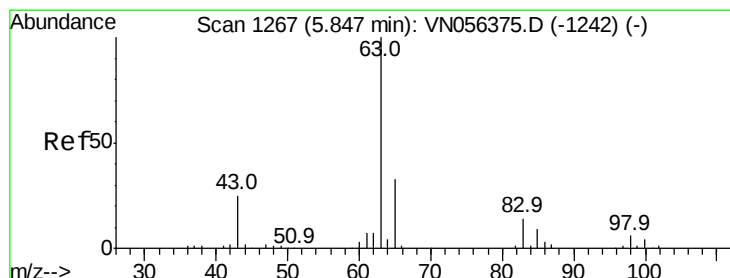
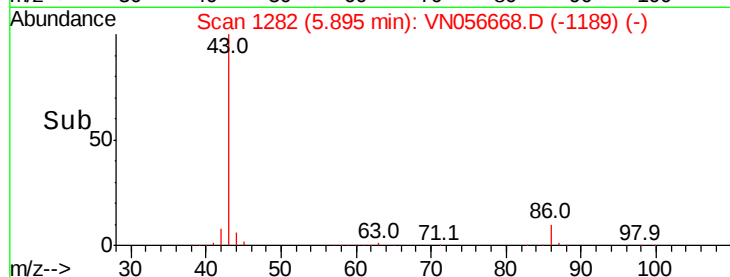
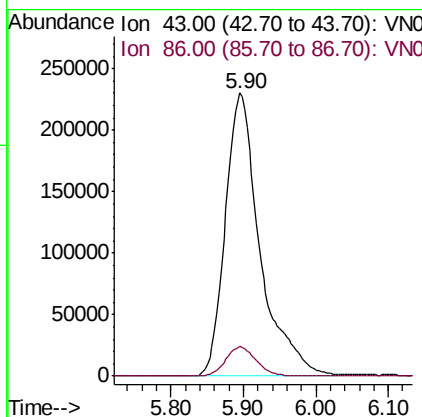
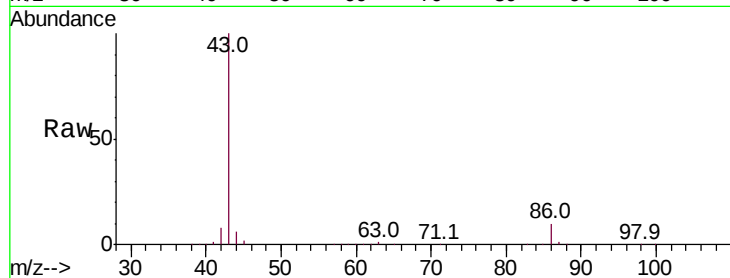
#23
 Vinyl Acetate
 Concen: 102.317 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0712WBS01

Tot Ion	43	86	Ratio	100	10.4	Resp	766748	Lower	8.3	Upper	12.5
Ion	43	86	Ratio	100	10.4	Resp	766748	Lower	8.3	Upper	12.5

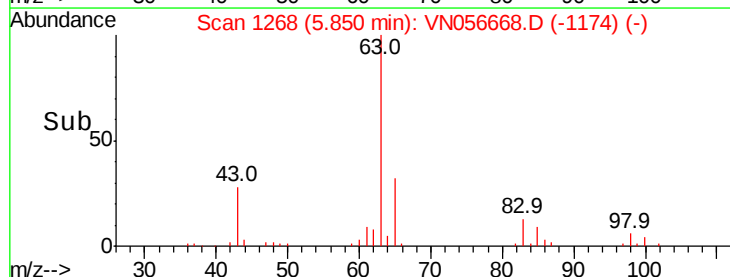
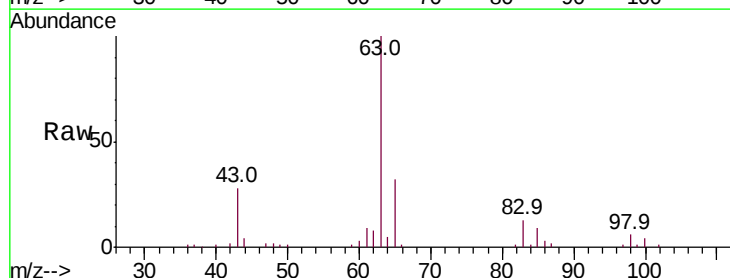
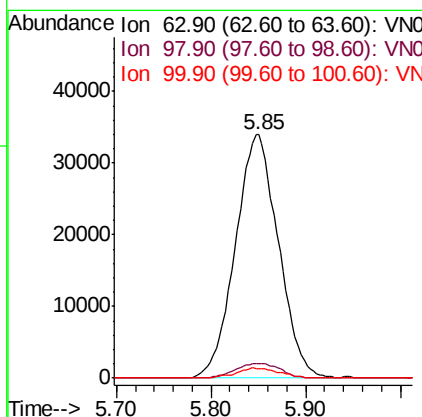
Manual Integrations
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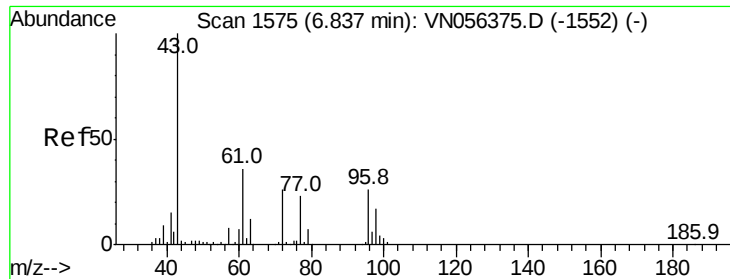
MMDadoda
 7/12/2019 5:32:54 PM



#24
 1,1-Dichloroethane
 Concen: 19.670 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	63	98	100	Ratio	100	6.2	3.9	Resp	107279	Lower	3.2	2.1	Upper	9.6	6.5
Ion	63	98	100	Ratio	100	6.2	3.9	Resp	107279	Lower	3.2	2.1	Upper	9.6	6.5





#25

2-Butanone

Concen: 101.328 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 43 Resp: 229099

Ion Ratio Lower Upper

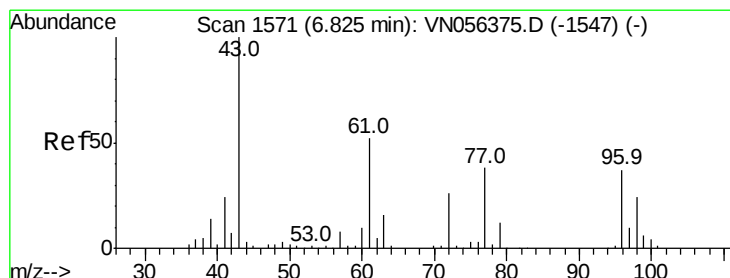
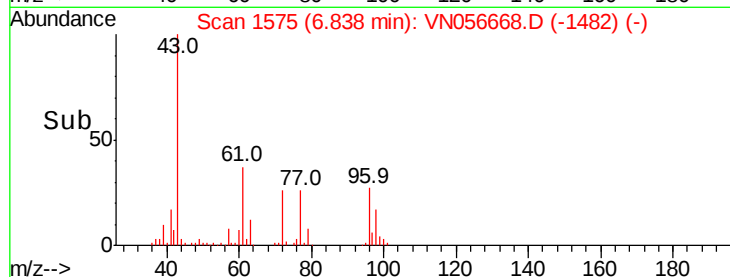
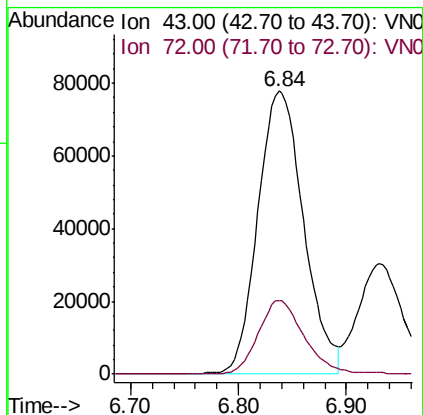
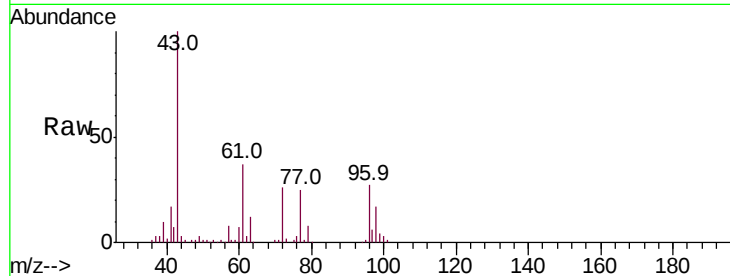
43 100

72 26.1 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 19.939 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056668.D

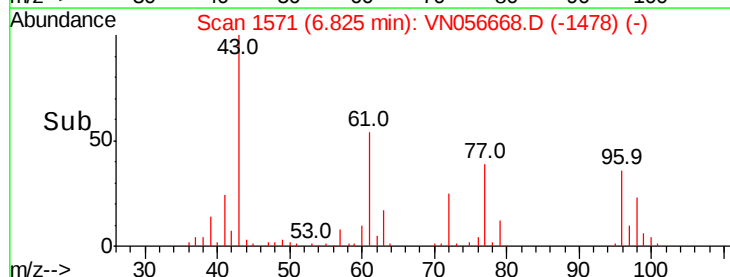
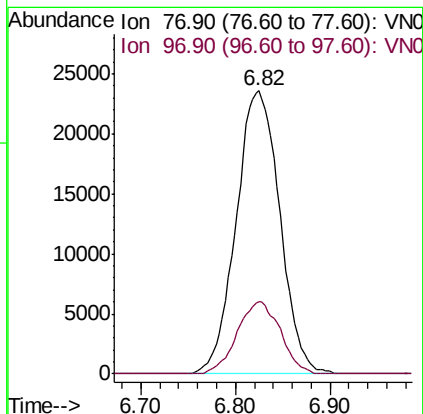
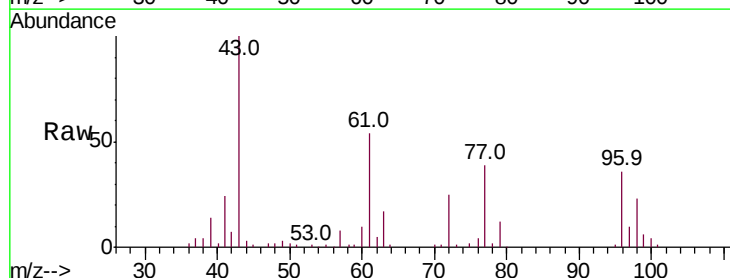
Acq: 11 Jul 2019 16:32

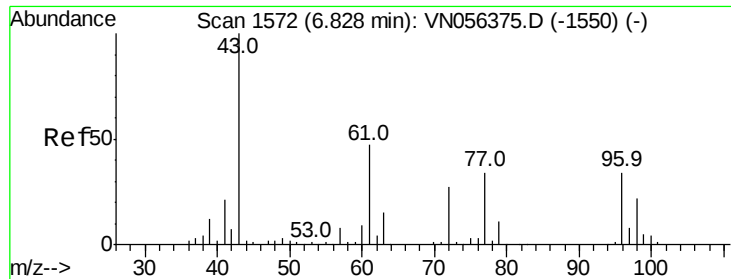
Tgt Ion: 77 Resp: 75633

Ion Ratio Lower Upper

77 100

97 25.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.370 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

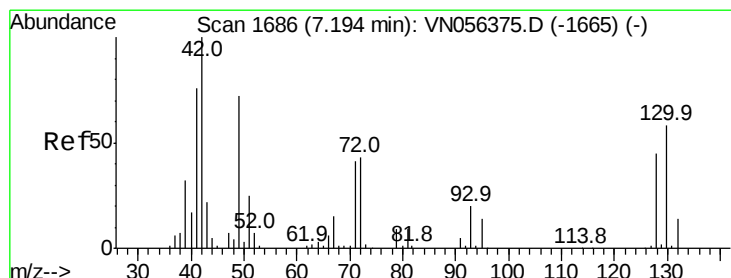
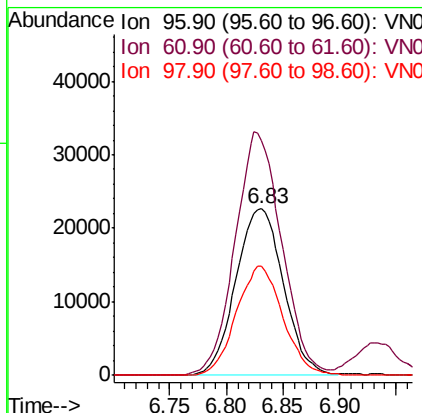
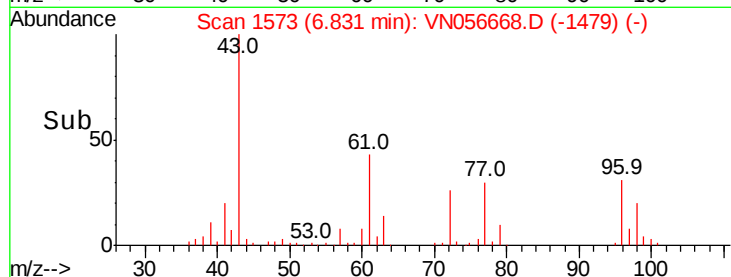
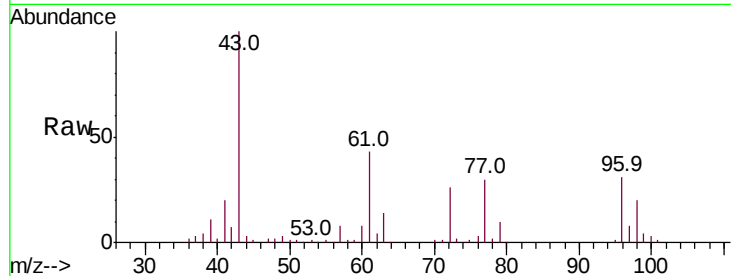
ClientSampleId :

VN0712WBS01

Tot Ion:	96	Resp:	66403
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	279.8
98	63.9	0.0	130.0

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#28

Bromochloromethane

Concen: 18.426 ug/l

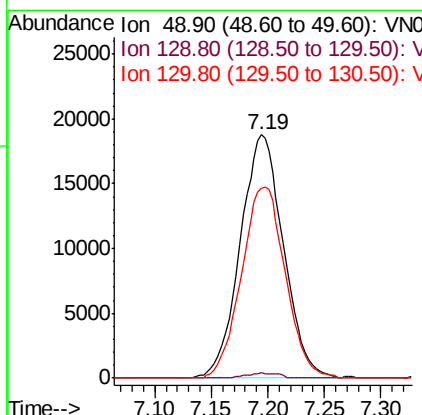
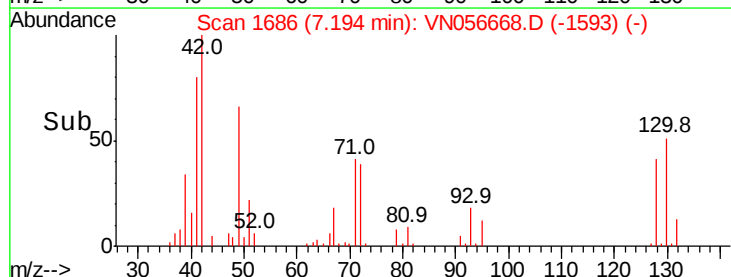
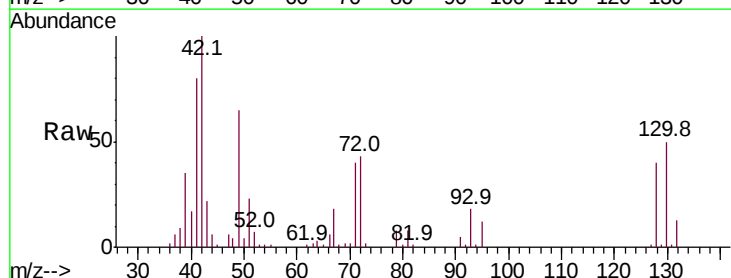
RT: 7.19 min Scan# 1686

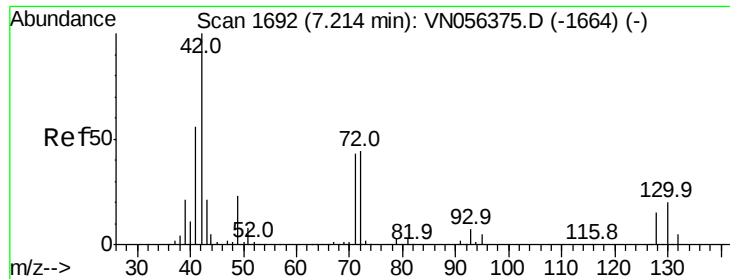
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	49	Resp:	49706
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	4.2
130	79.8	64.9	97.3





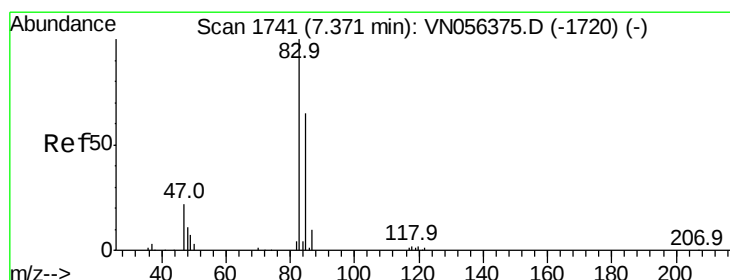
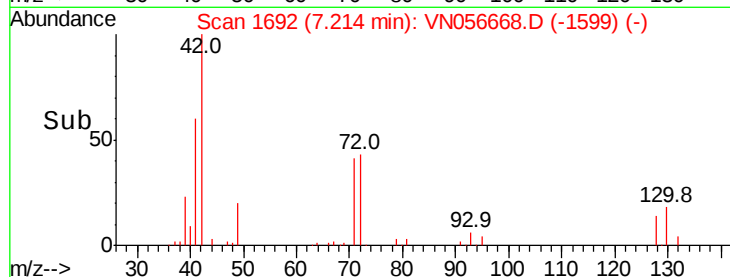
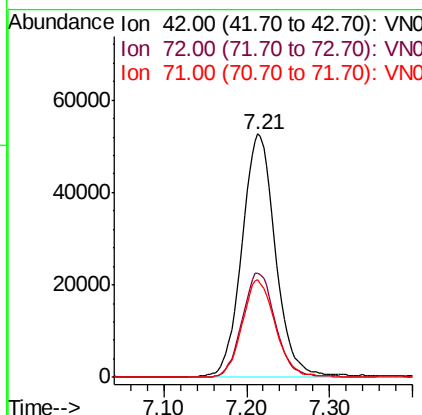
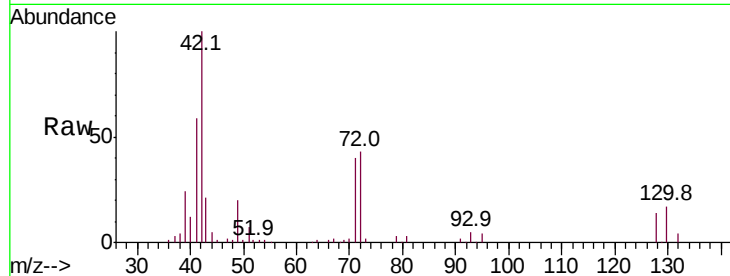
#29
Tetrahydrofuran
Concen: 106.950 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.7	52.1
71	39.8	33.0	49.6

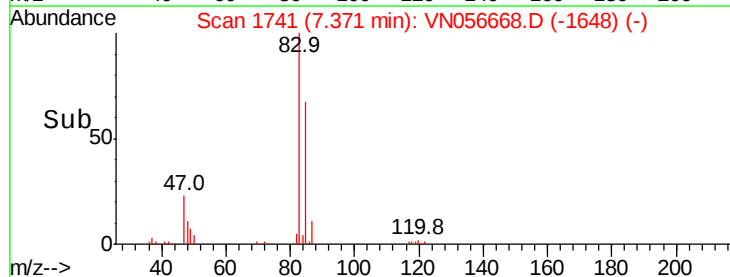
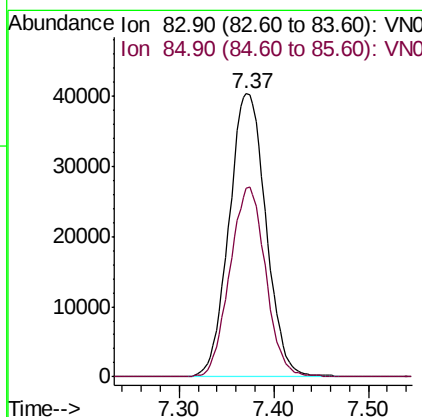
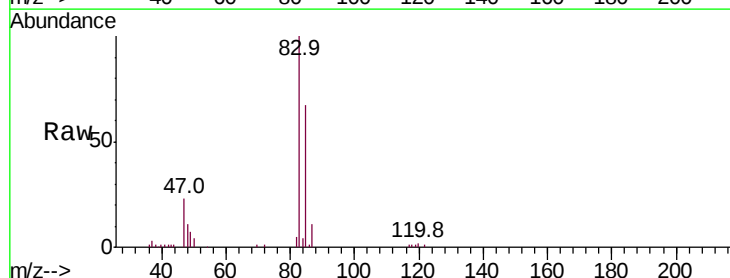
Manual Integrations
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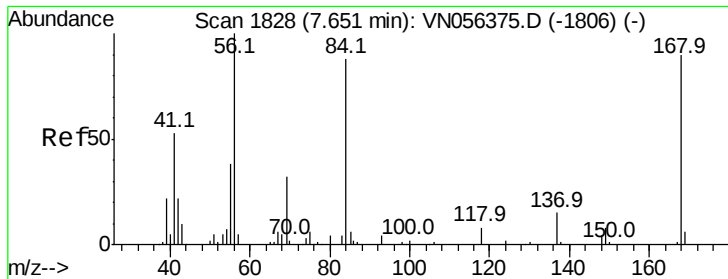
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#30
Chloroform
Concen: 20.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.3	78.5





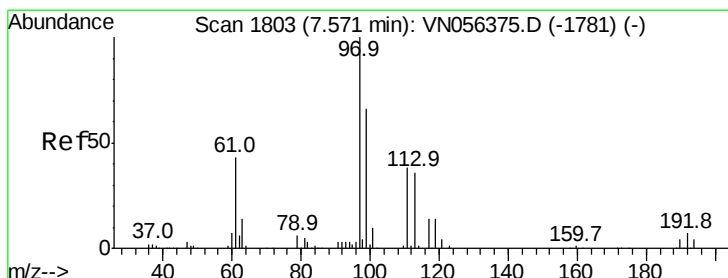
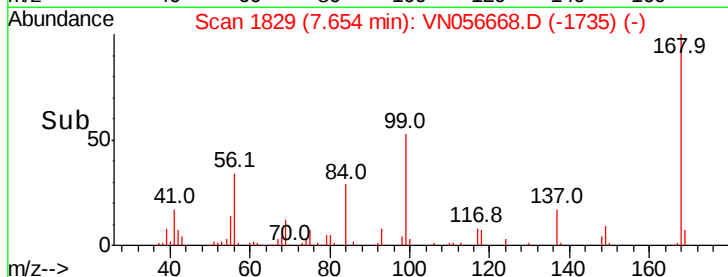
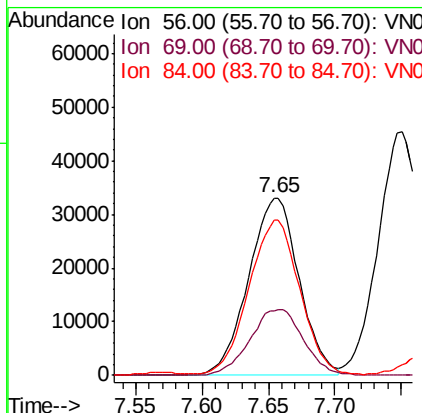
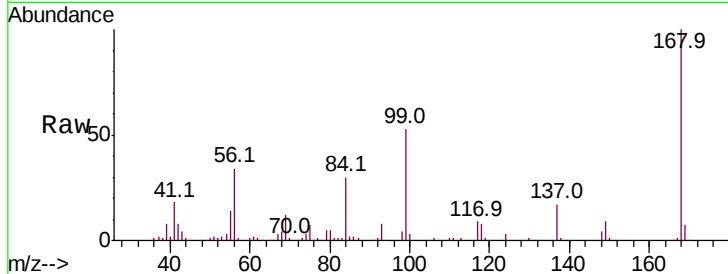
#31
Cyclohexane
Concen: 16.694 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.8	38.6
84	86.8	69.4	104.0

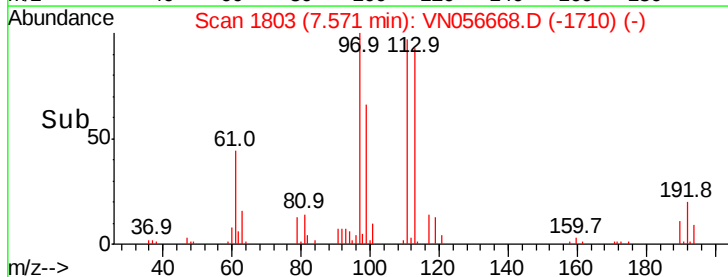
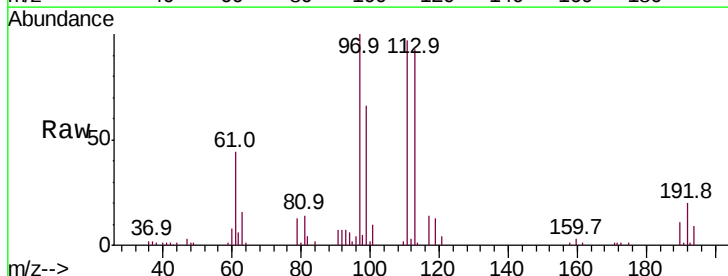
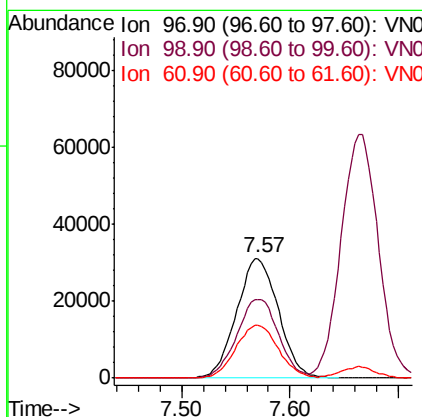
Manual Integrations
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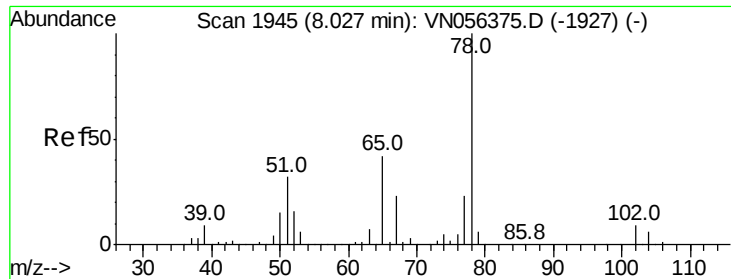
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.612 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.8	77.6
61	45.0	33.9	50.9





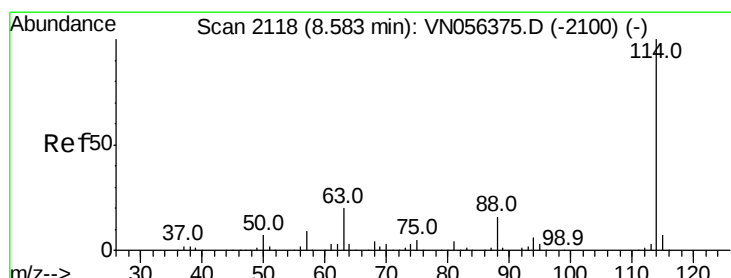
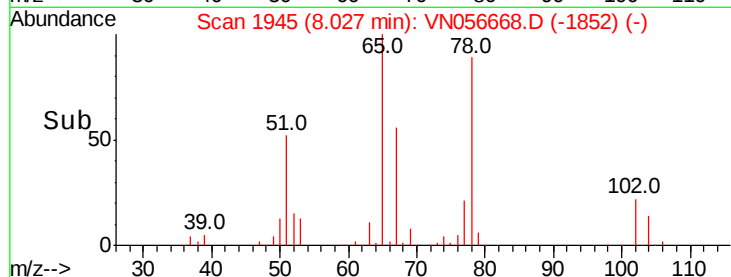
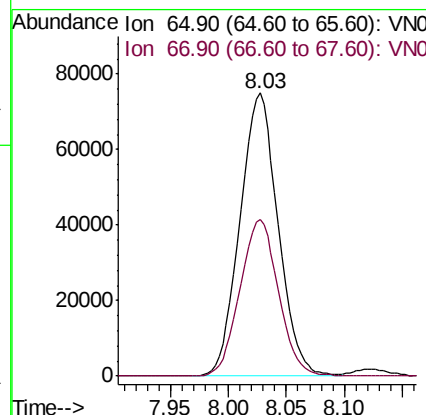
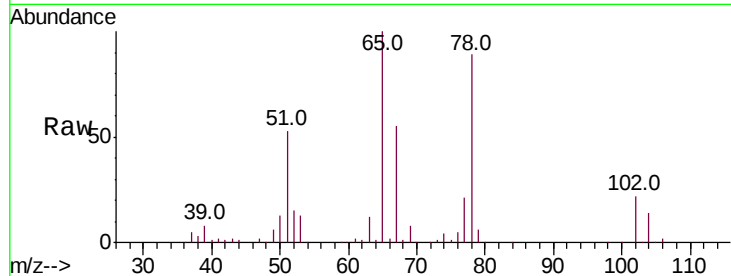
#33
 1,2-Dichloroethane-d4
 Concen: 50.257 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.0	0.0	109.0	

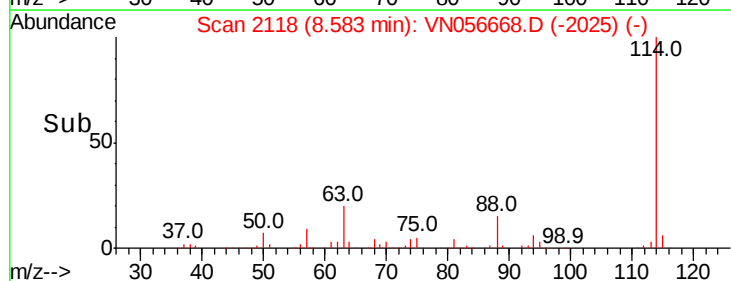
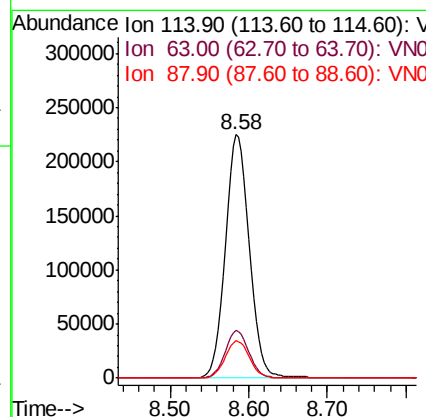
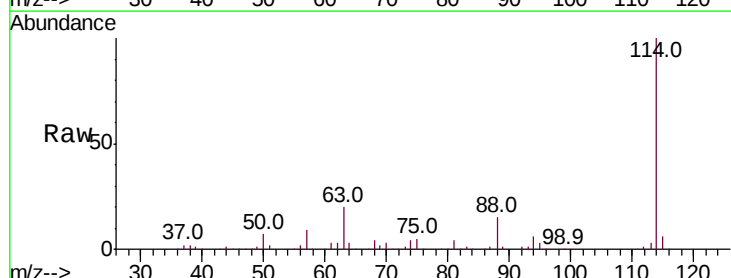
Manual Integrations
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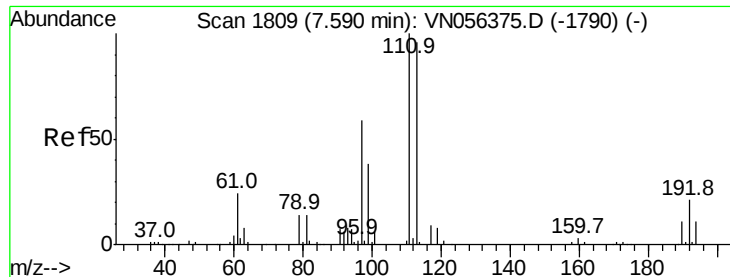
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	39.2	
88	15.2	0.0	31.4	





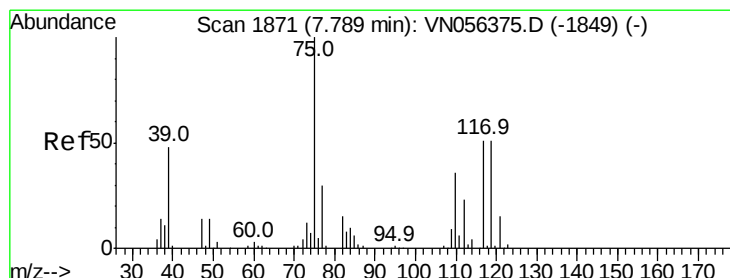
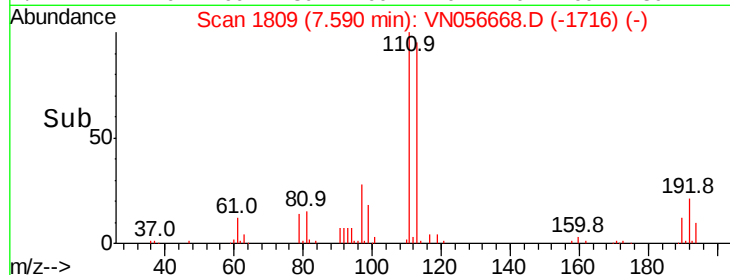
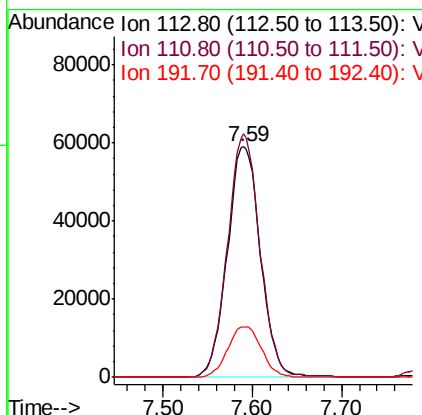
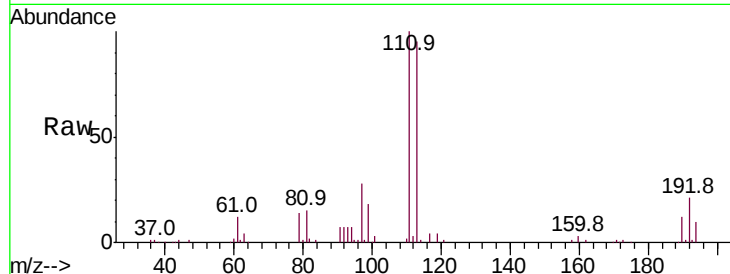
#35
 Dibromofluoromethane
 Concen: 51.605 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	82.9	124.3	
192	22.3	17.7	26.5	

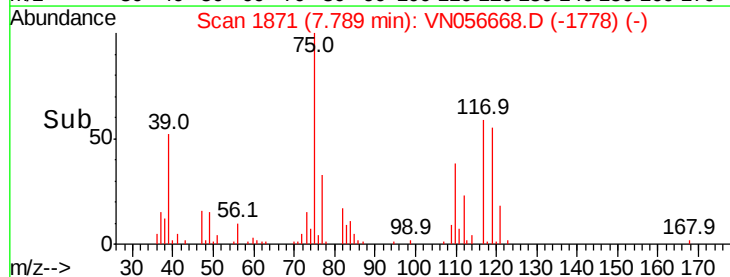
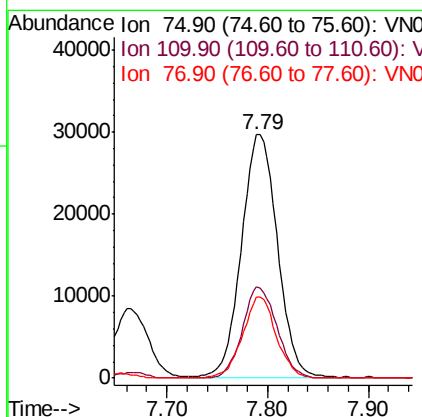
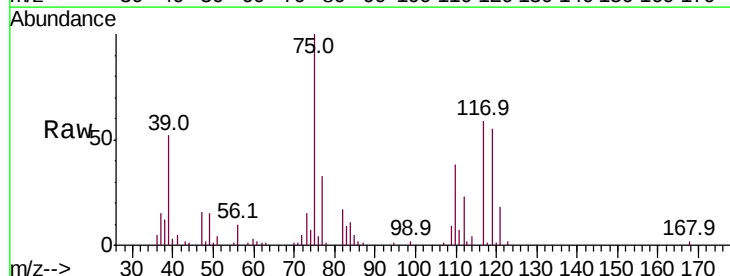
Manual Integrations
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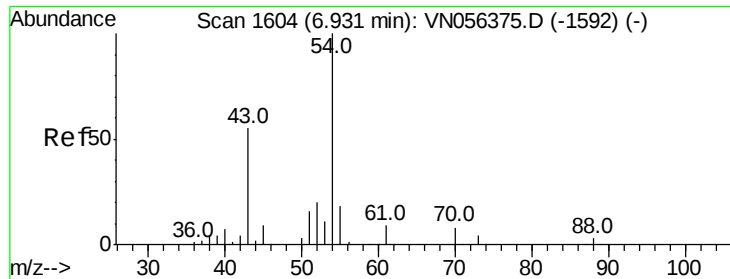
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#36
 1,1-Dichloropropene
 Concen: 17.791 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	18.1	54.3	
77	31.1	24.6	36.8	





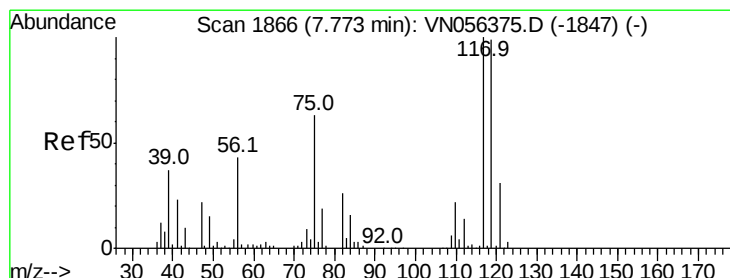
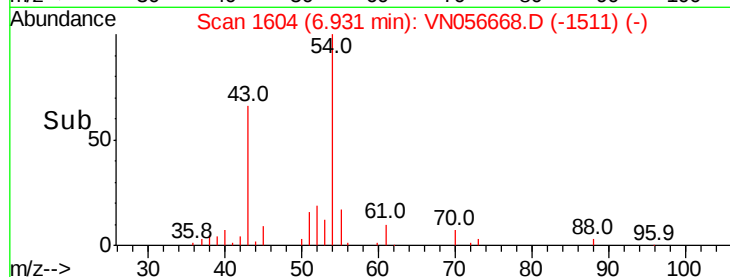
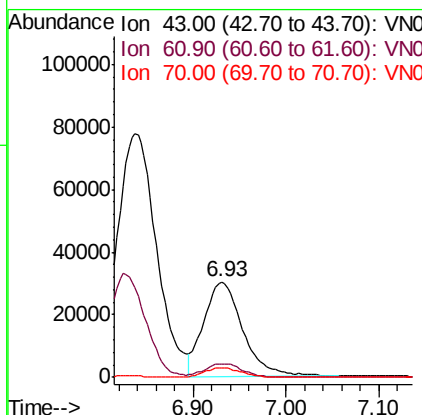
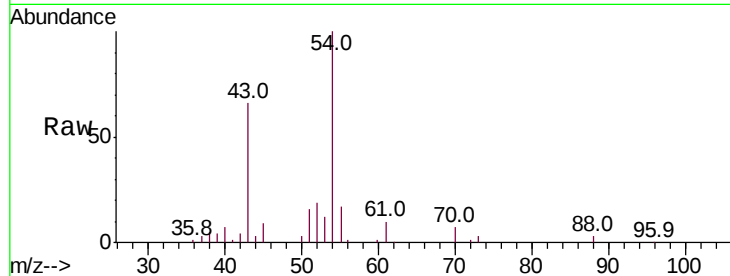
#37
Ethyl Acetate
Concen: 21.750 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	43	61	70	Ratio	100	13.0	9.6	Resp	88646	Lower	Upper
43	100										
61		13.0				11.1				16.7	
70			9.6			8.3				12.5	

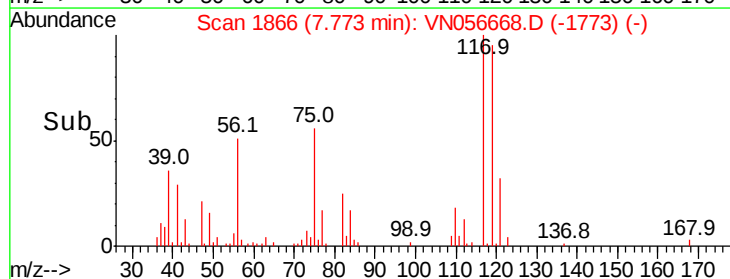
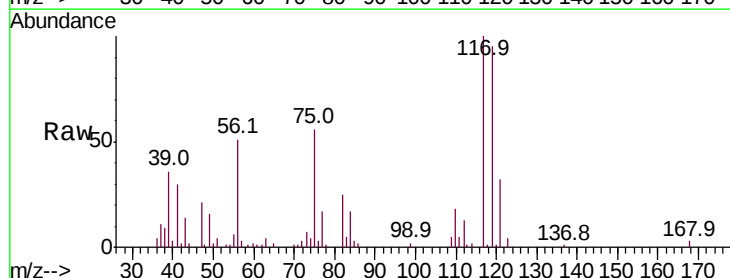
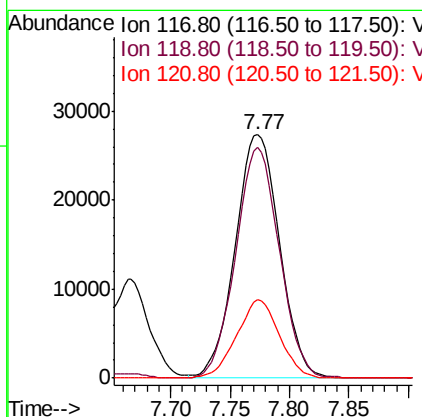
Manual Integrations
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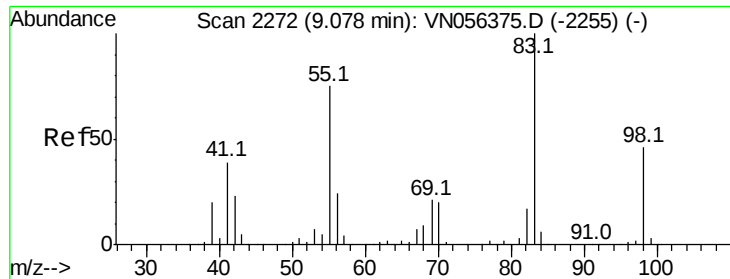
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#38
Carbon Tetrachloride
Concen: 19.488 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	117	119	121	Ratio	100	94.9	32.3	Resp	70677	Lower	Upper
117	100										
119		94.9				79.1				118.7	
121			32.3			24.8				37.2	





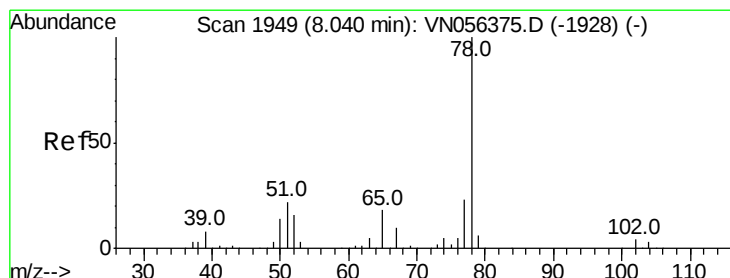
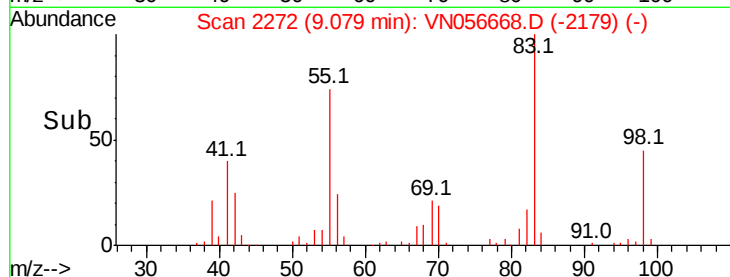
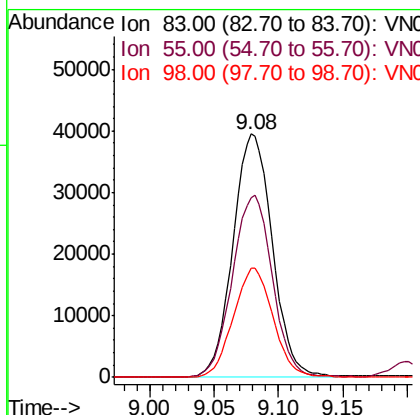
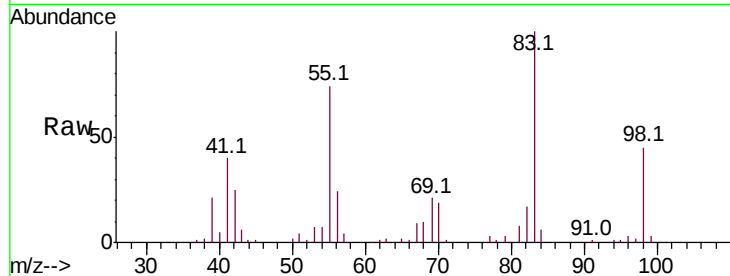
#39
Methvlcvclohexane
Concen: 16.439 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	60.0	90.0
98	45.0	36.6	54.8

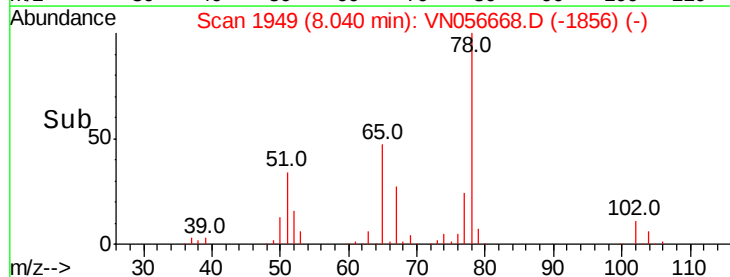
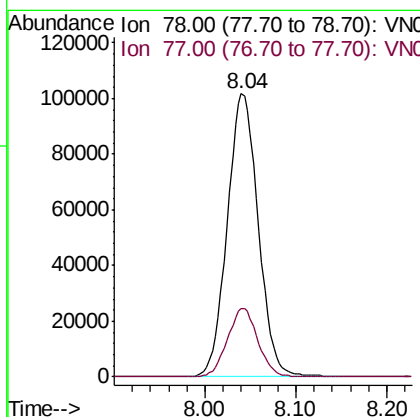
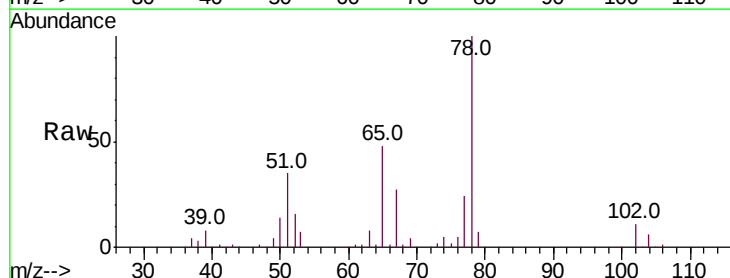
Manual Integrations
APPROVED

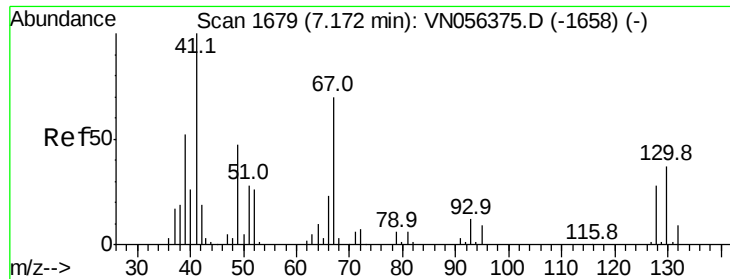
MMDadoda
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#40
Benzene
Concen: 18.884 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.3	27.5





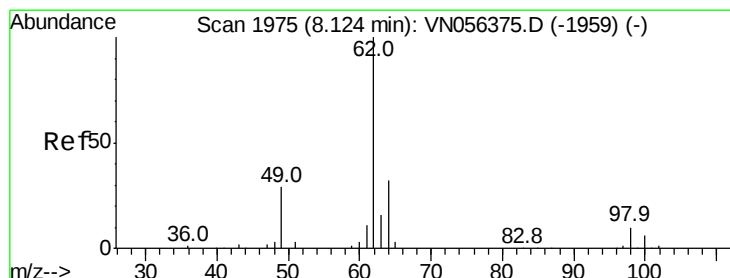
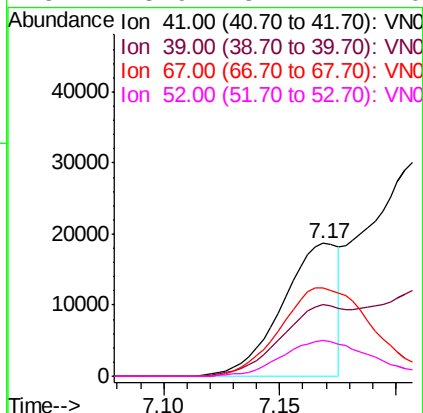
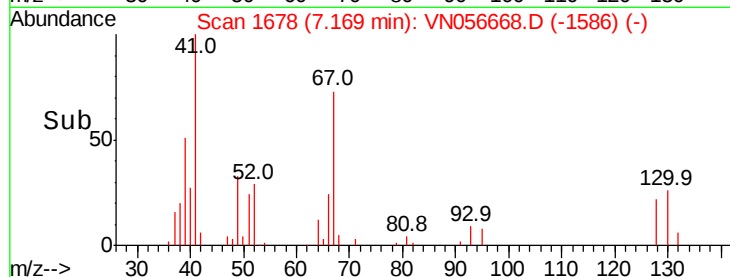
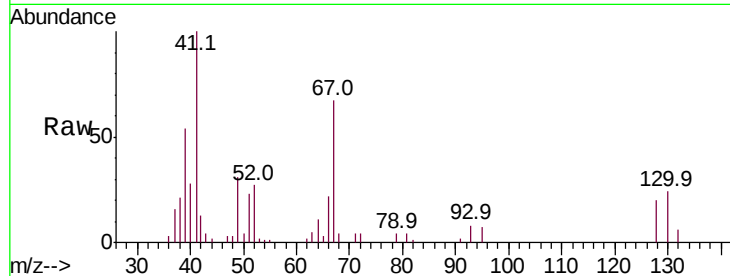
#41
Methacrylonitrile
Concen: 17.510 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion:	41	Resp:	31513
Ion	Ratio	Lower	Upper
41	100		
39	60.0	55.3	82.9
67	111.4	79.2	118.8
52	43.9	31.4	47.0

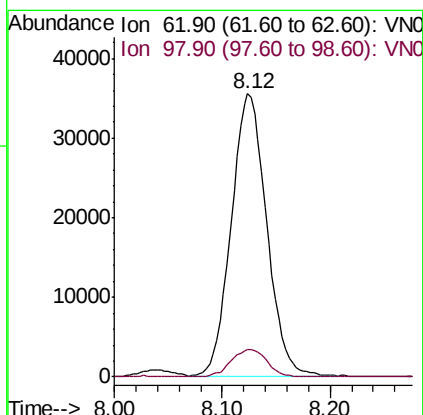
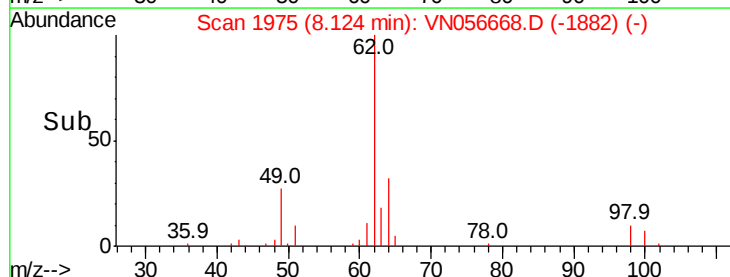
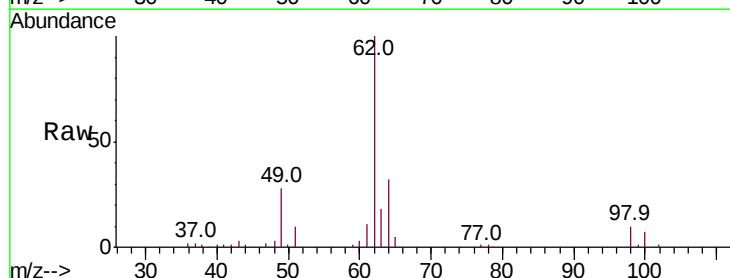
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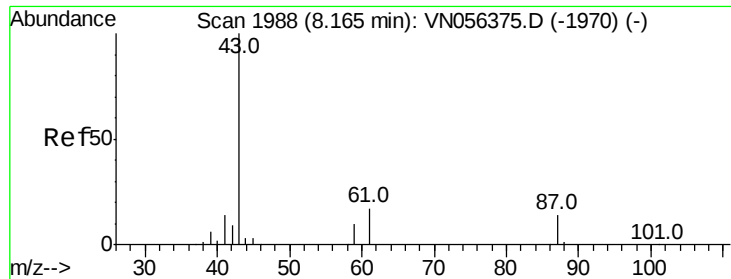
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.455 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:	62	Resp:	81904
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 21.085 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

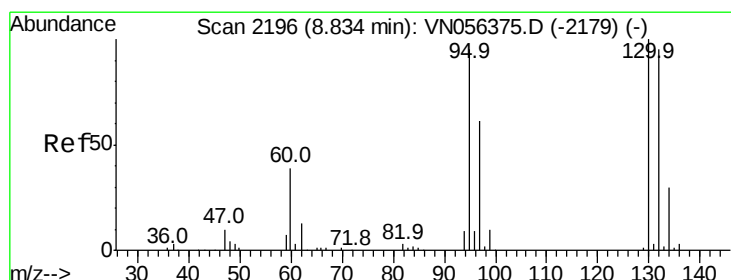
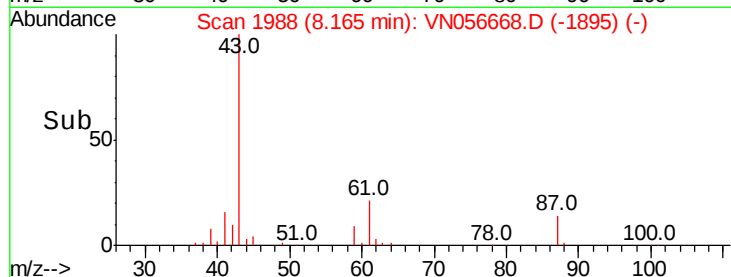
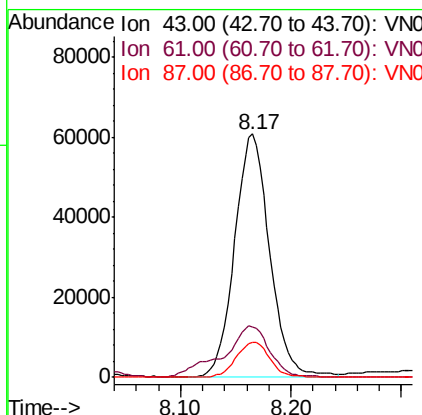
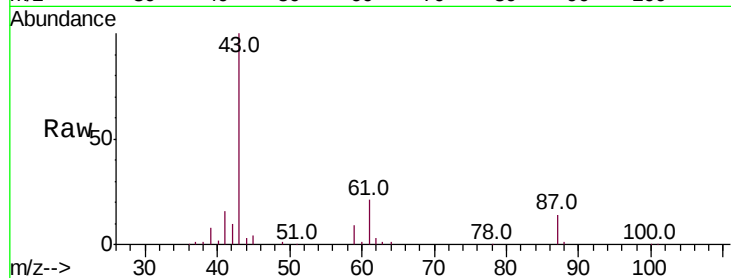
ClientSampleId :

VN0712WBS01

Tot Ion:	43	Resp:	132508
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.0	33.0
87	14.0	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 18.542 ug/l

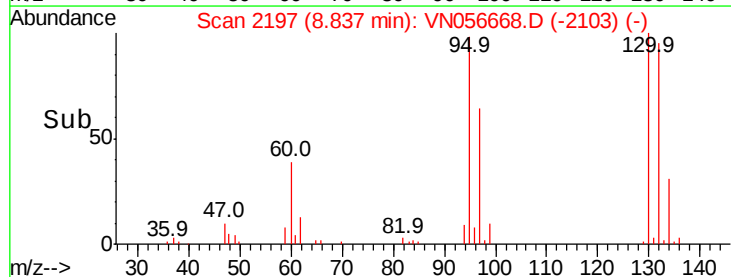
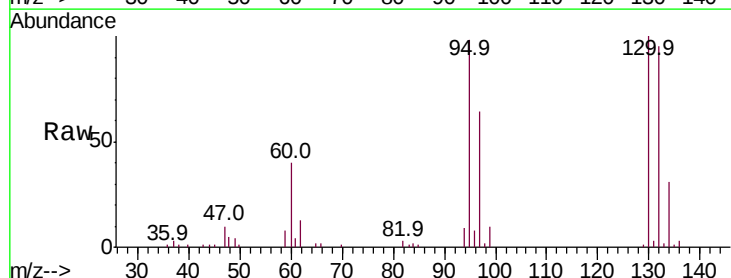
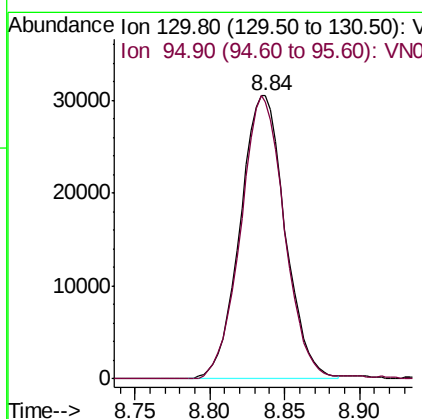
RT: 8.84 min Scan# 2197

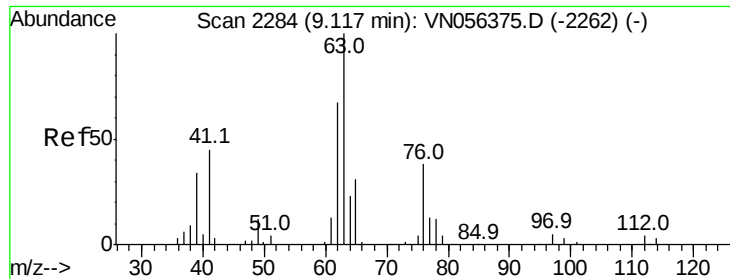
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	130	Resp:	63718
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	191.0





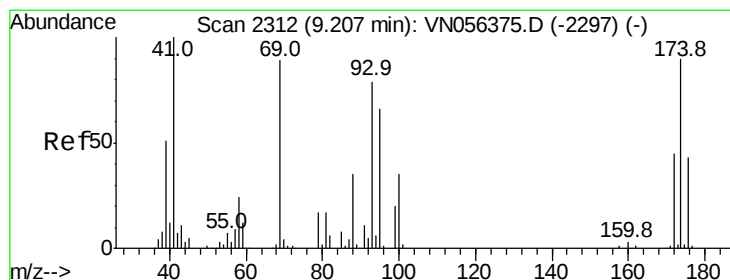
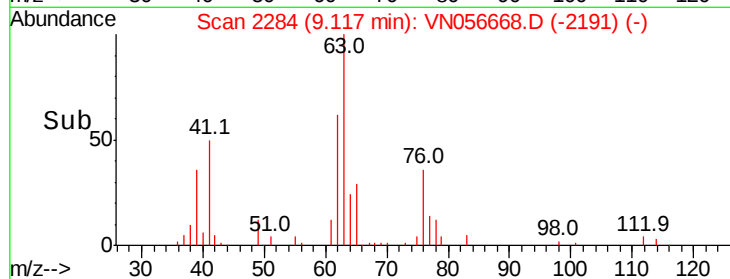
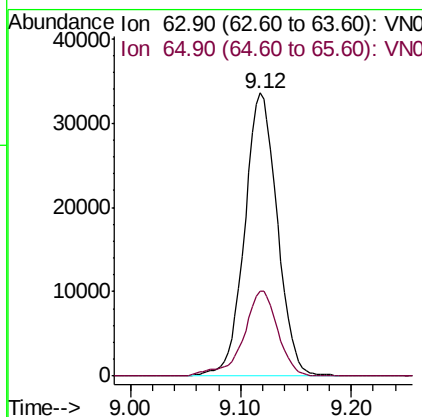
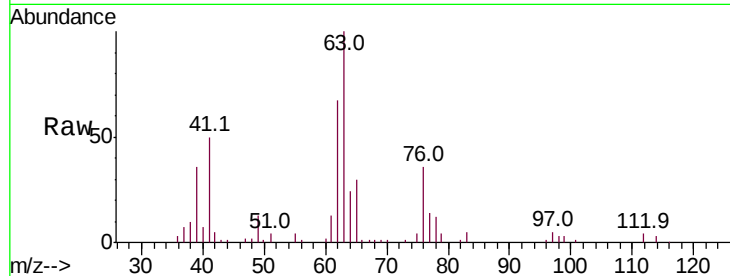
#45
 1,2-Dichloropropane
 Concen: 20.142 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion: 63 Resp: 68717
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

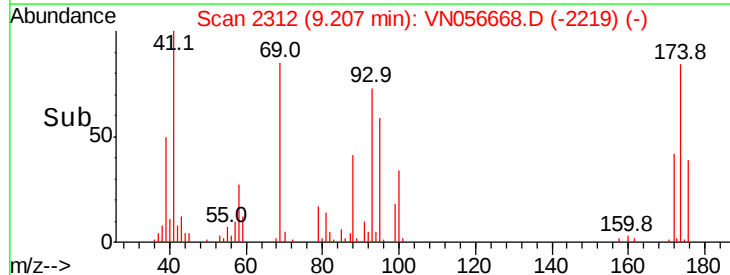
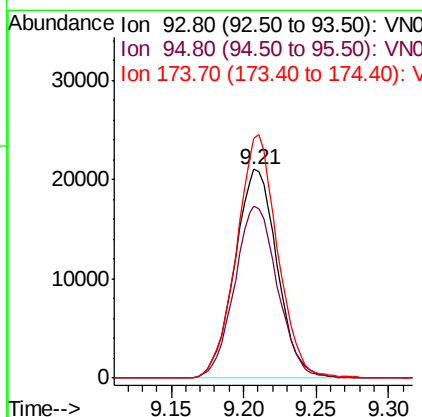
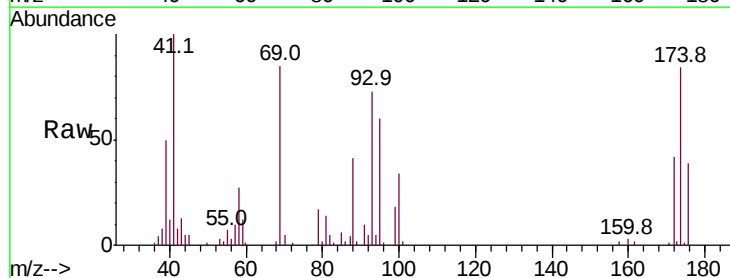
Manual Integrations
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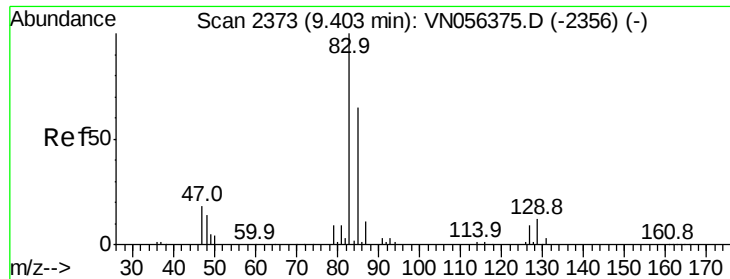
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#46
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion: 93 Resp: 42723
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 112.9 90.8 136.2





#47

Bromodichloromethane

Concen: 21.244 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

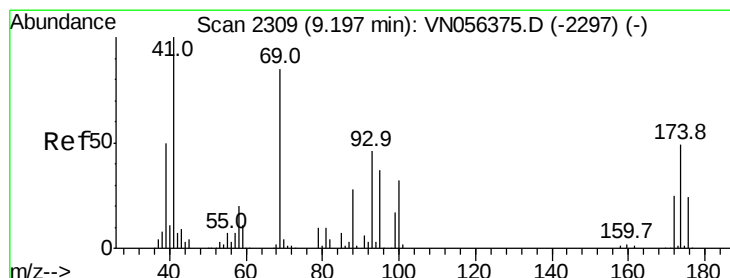
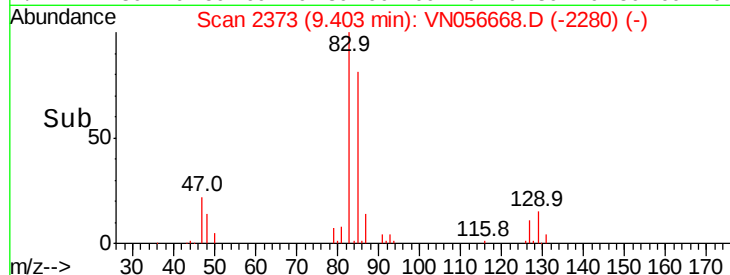
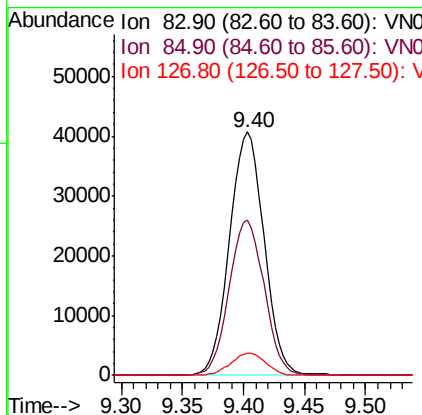
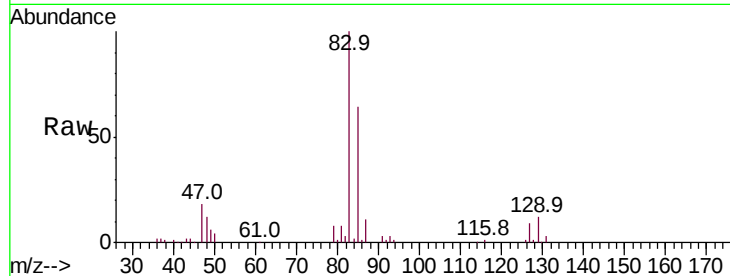
ClientSampleId :

VN0712WBS01

Tot Ion:	83	Resp:	80420
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.715 ug/l

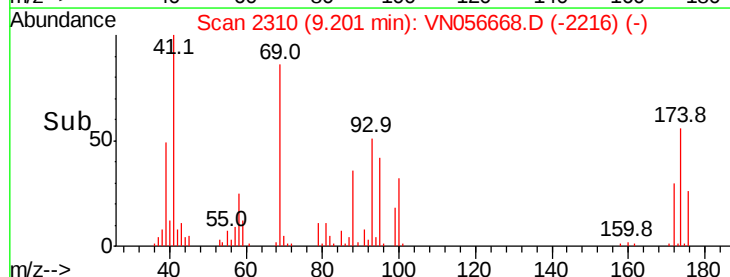
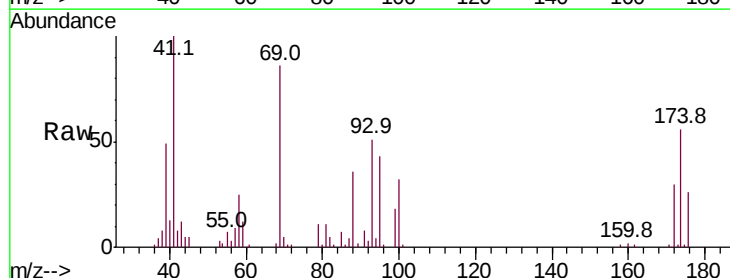
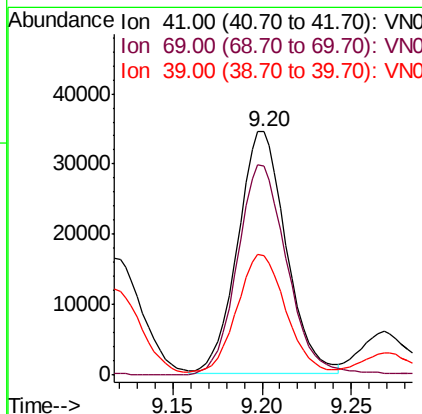
RT: 9.20 min Scan# 2310

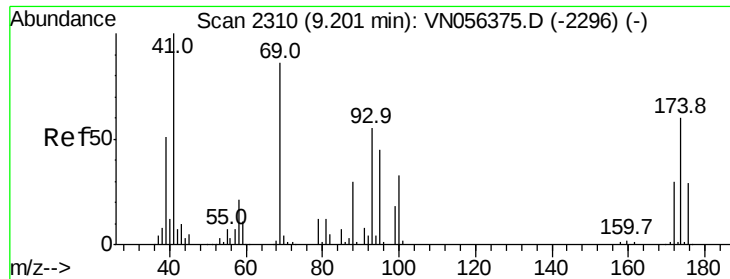
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	41	Resp:	65238
Ion Ratio	Lower	Upper	
41	100		
69	90.1	72.6	109.0
39	50.4	42.6	63.8





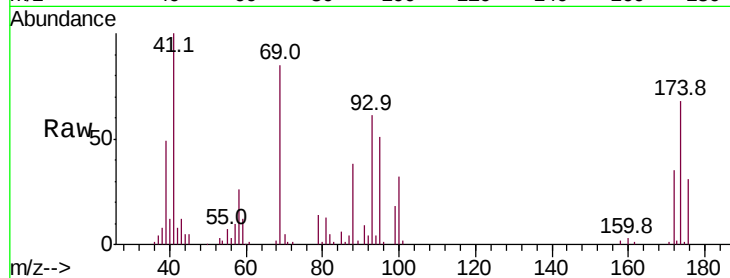
#49
1,4-Dioxane
Concen: 422.819 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

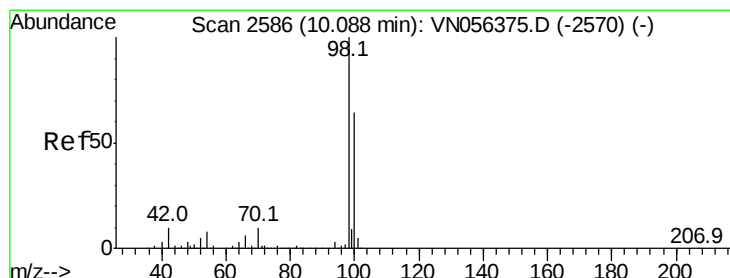
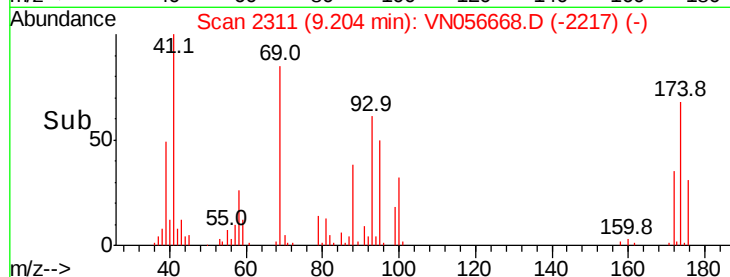
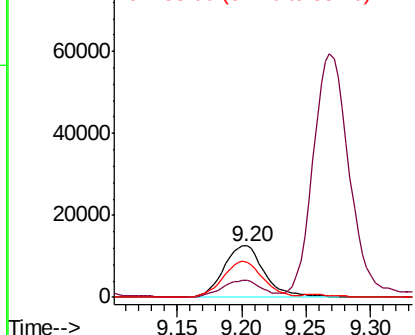
Tot Ion	88	Resp	27633
Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.0	33.0
58	67.9	51.8	77.8

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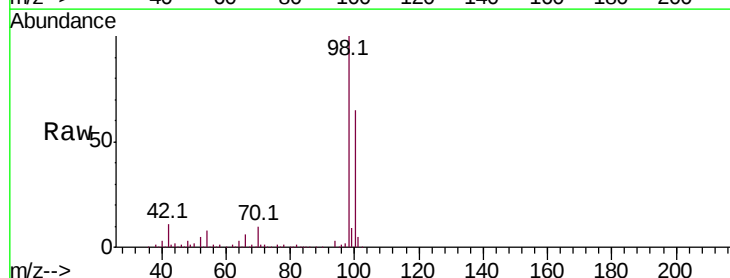


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

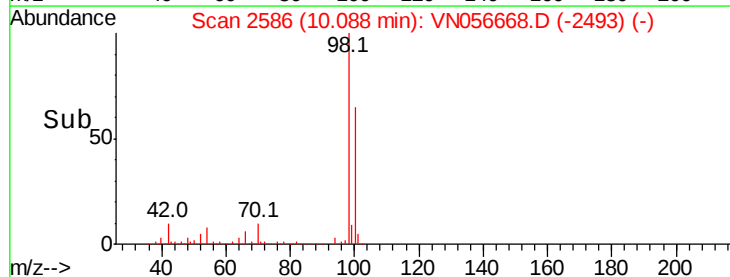
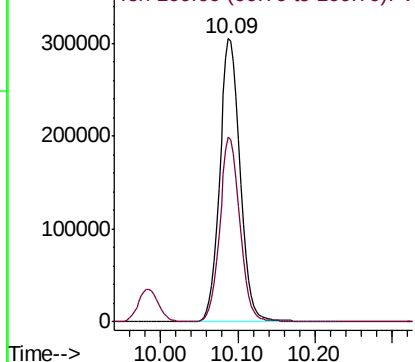


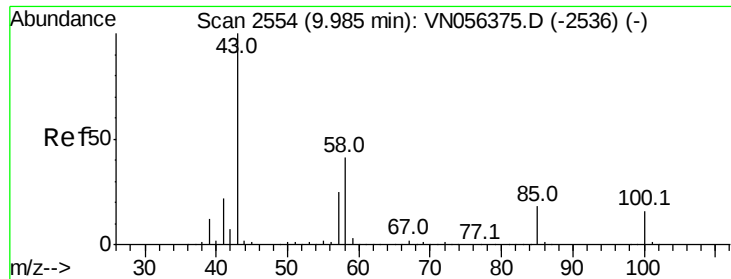
#50
Toluene-d8
Concen: 49.281 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	98	Resp	563641
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 110.136 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleID :

VN0712WBS01

Tot Ion: 43 Resp: 446735

Ion Ratio Lower Upper

43 100

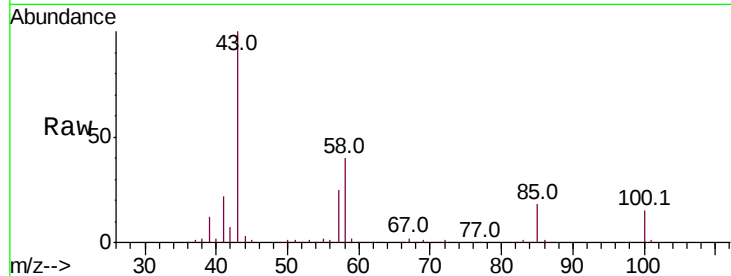
58 39.7 31.8 47.8

Manual Integrations

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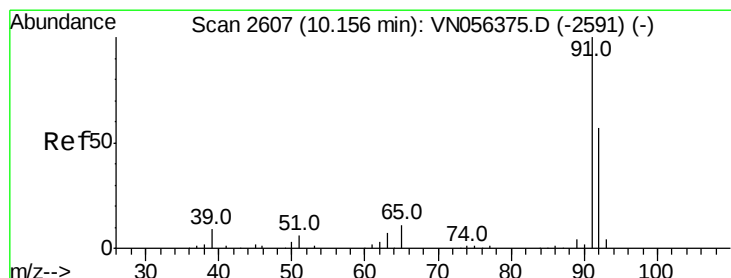
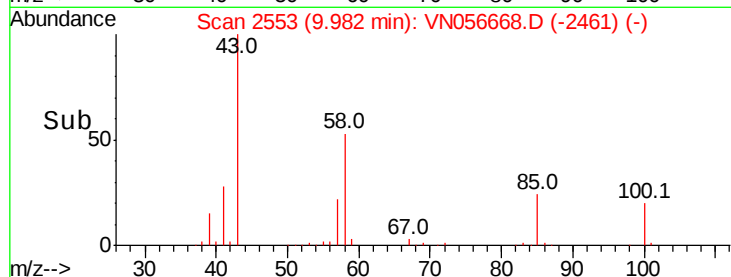
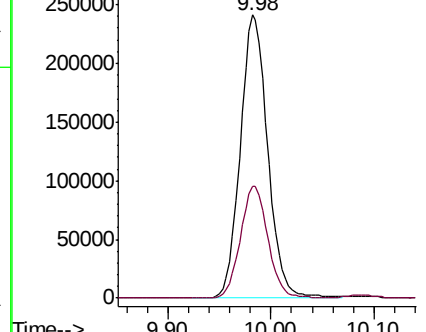
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.726 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056668.D

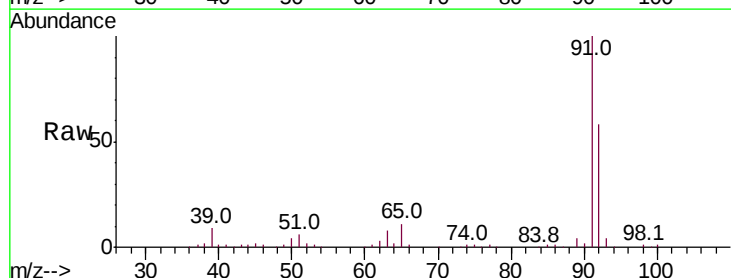
Acq: 11 Jul 2019 16:32

Tgt Ion: 92 Resp: 146048

Ion Ratio Lower Upper

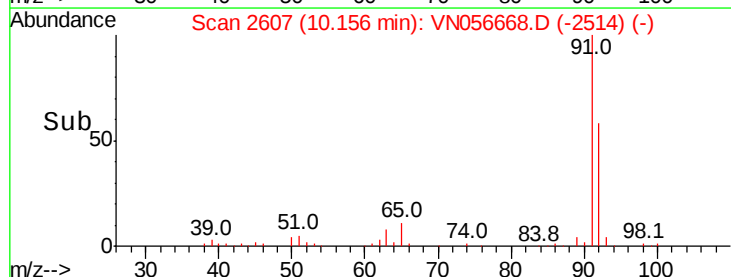
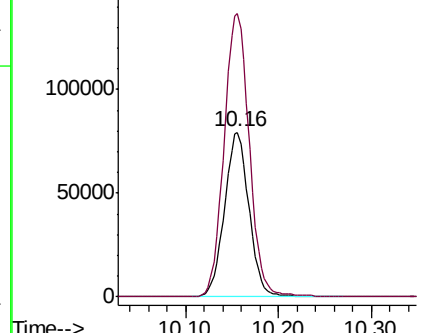
92 100

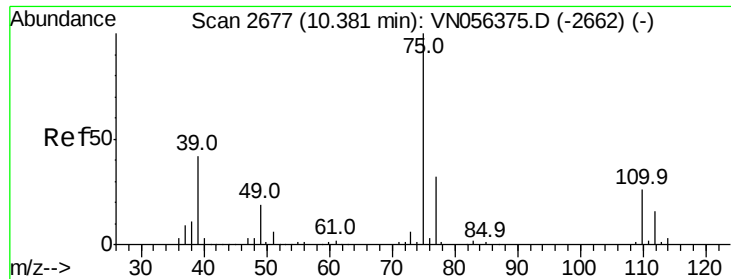
91 176.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





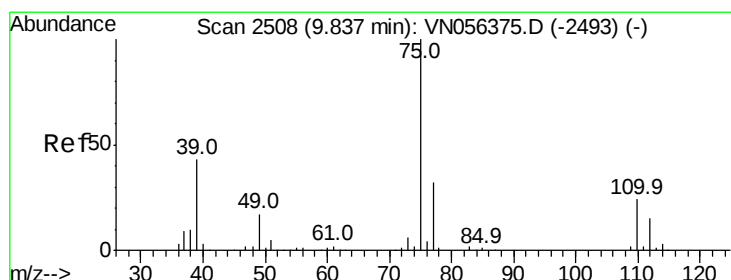
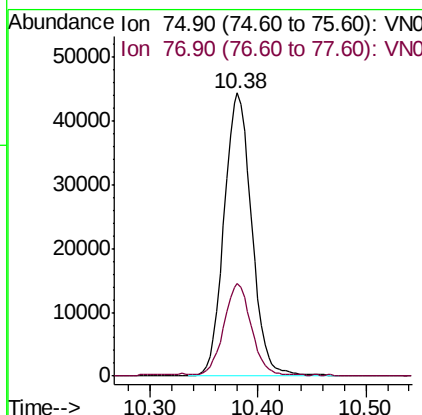
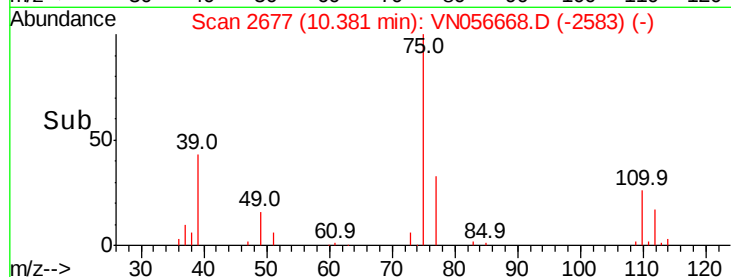
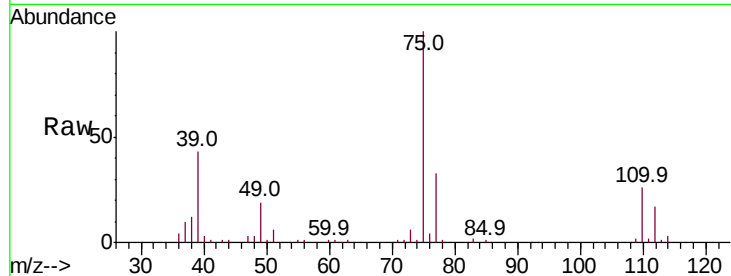
#53
t-1,3-Dichloropropene
Concen: 19.837 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 75 Resp: 79301
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2

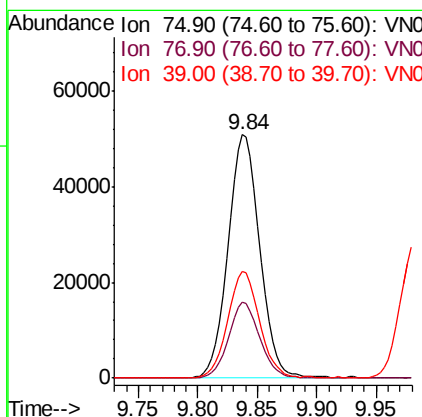
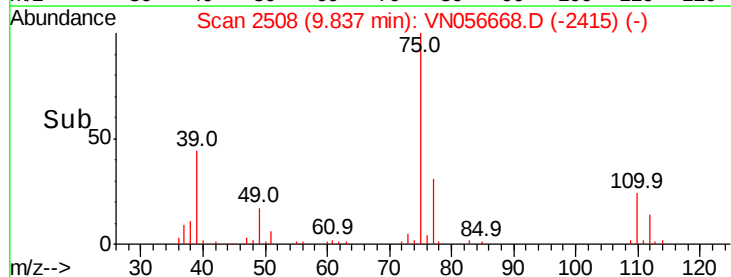
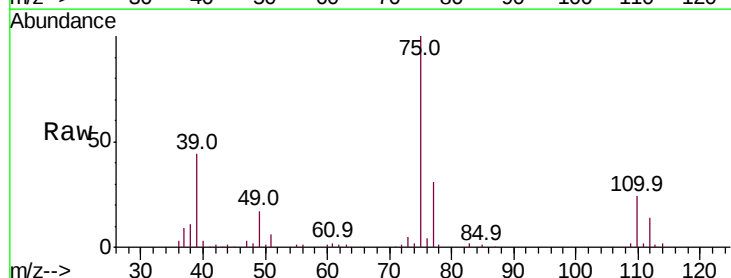
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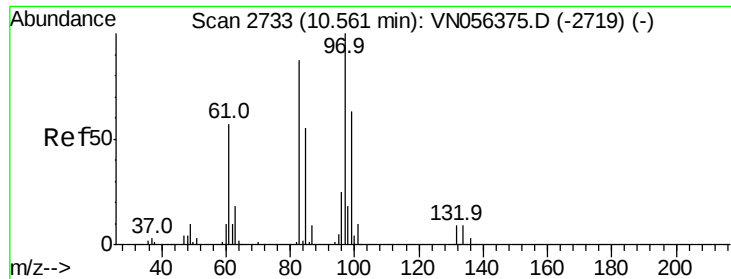
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.661 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 75 Resp: 94188
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 43.9 34.2 51.4





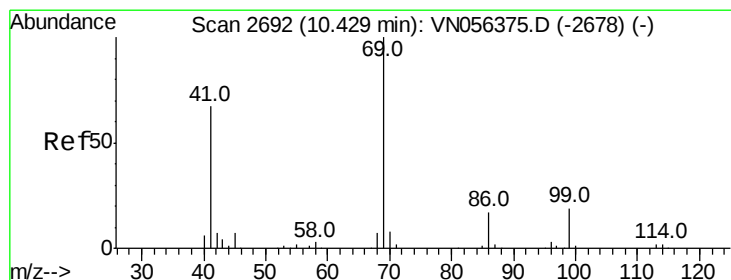
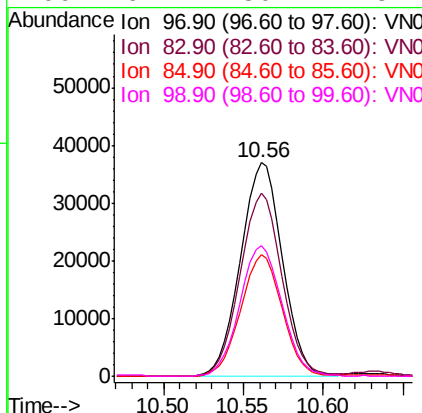
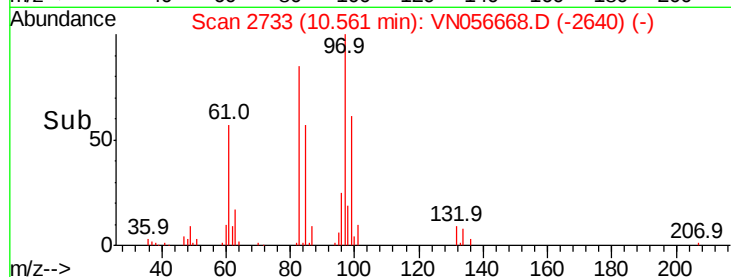
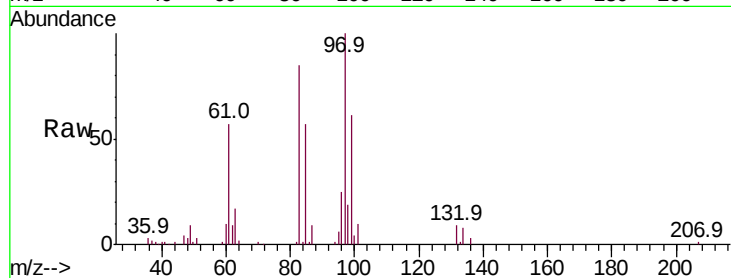
#55
 1,1,2-Trichloroethane
 Concen: 21.105 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.8	104.6
85	56.7	43.8	65.8
99	61.1	50.2	75.2

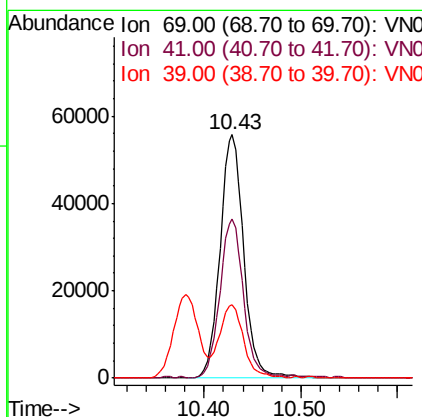
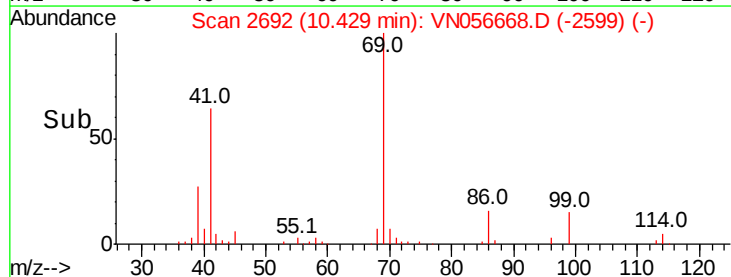
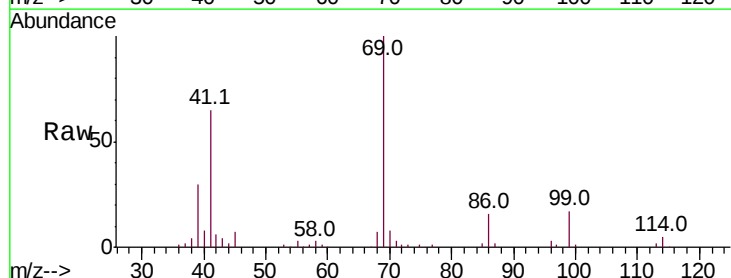
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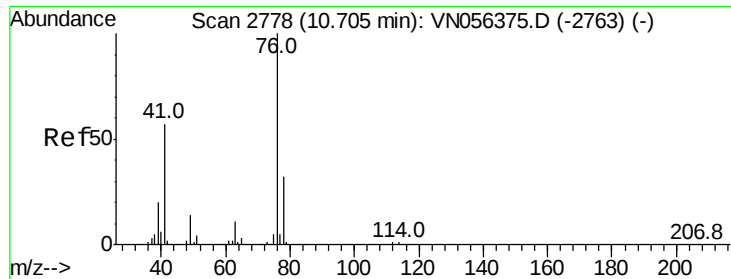
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#56
 Ethyl methacrylate
 Concen: 20.694 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.4	77.2
39	29.9	24.7	37.1





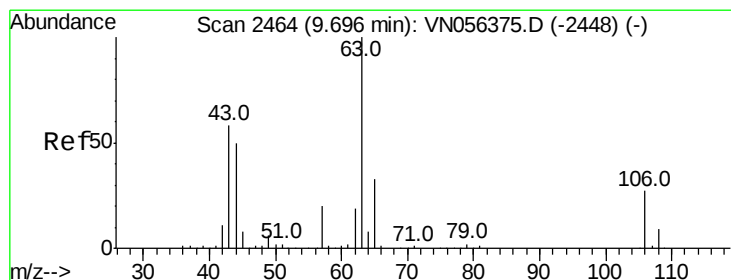
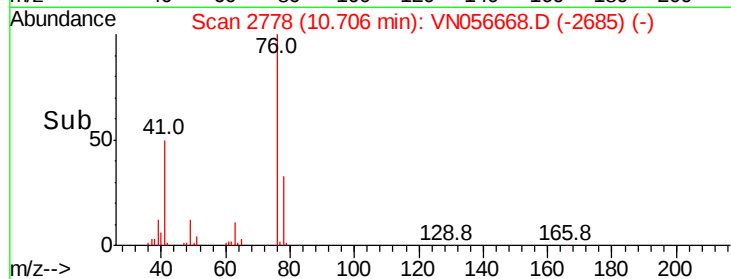
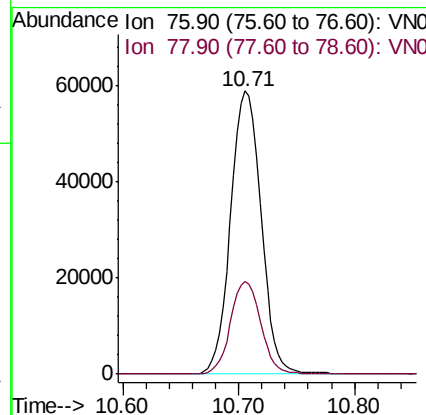
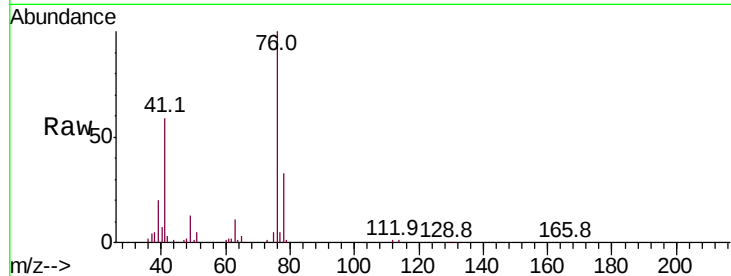
#57
 1,3-Dichloropropane
 Concen: 20.421 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.9	38.9

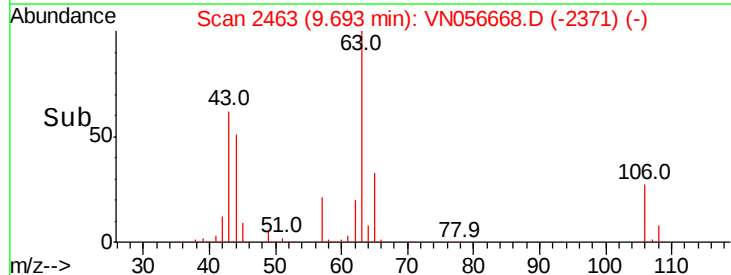
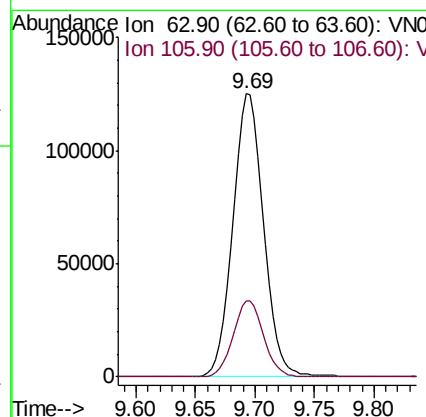
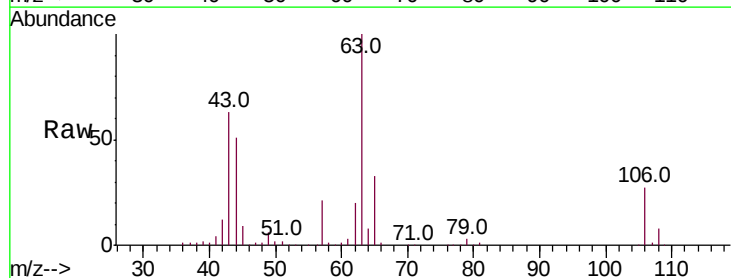
Manual Integrations
 APPROVED

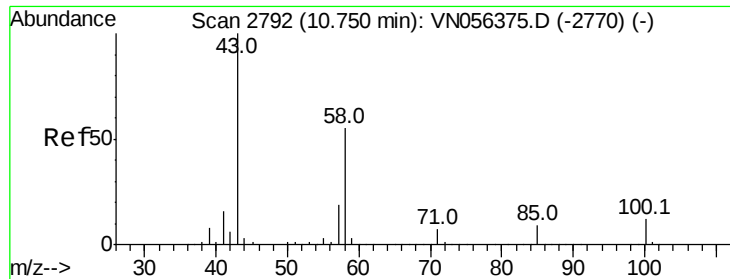
MMDadoda
 7/12/2019 5:32:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 136.031 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.6	32.4





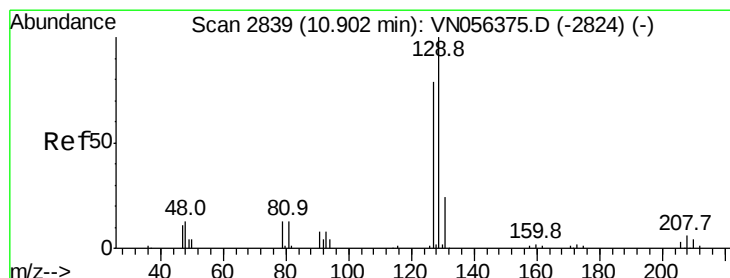
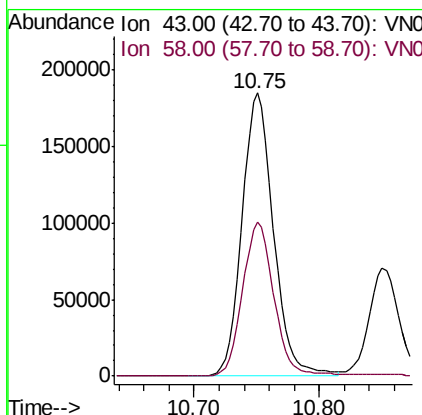
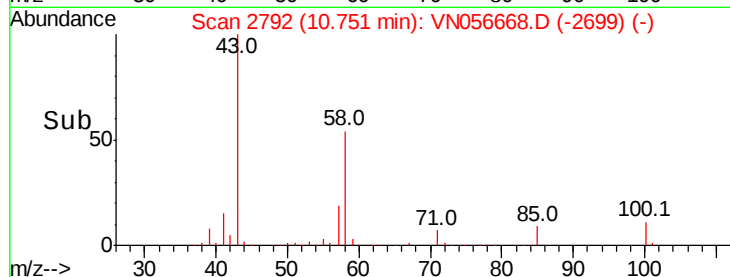
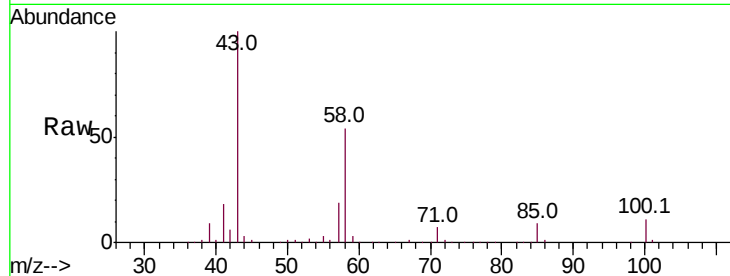
#59
2-Hexanone
Concen: 108.398 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 43 Resp: 323155
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4

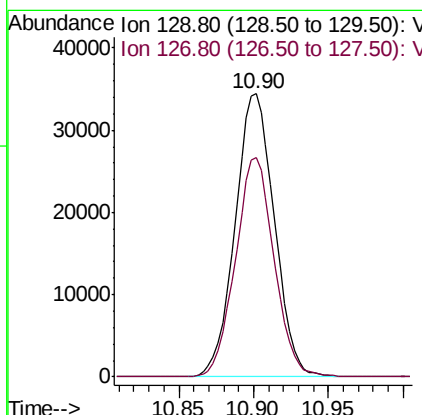
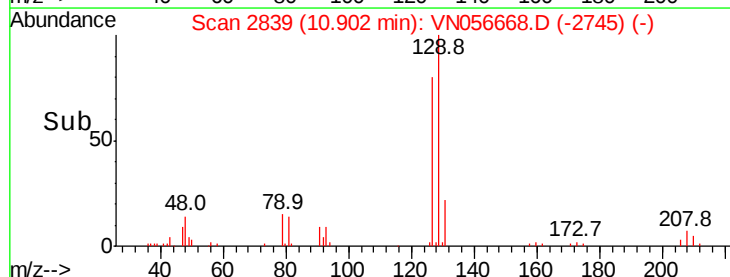
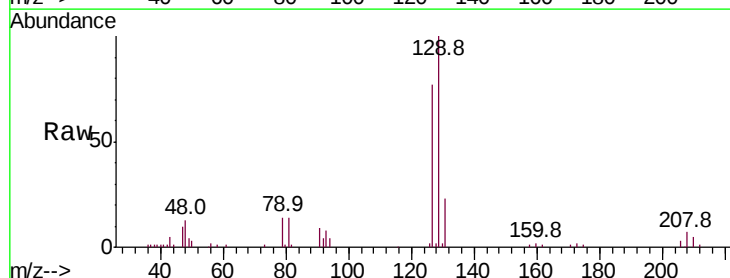
Manual Integrations
APPROVED

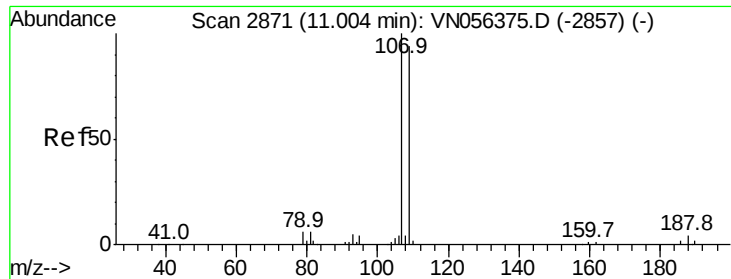
MMDadoda
7/12/2019 5:32:54 PM



#60
Dibromochloromethane
Concen: 20.962 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 129 Resp: 62865
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.280 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:107 Resp: 64932

Ion Ratio Lower Upper

107 100

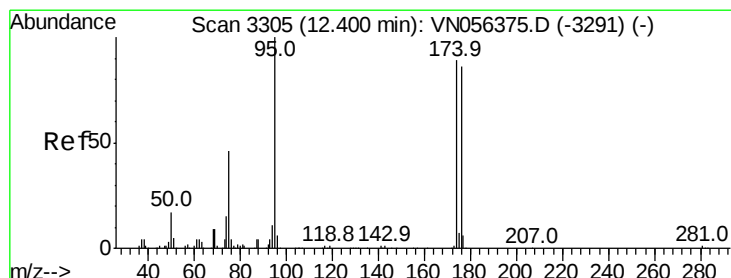
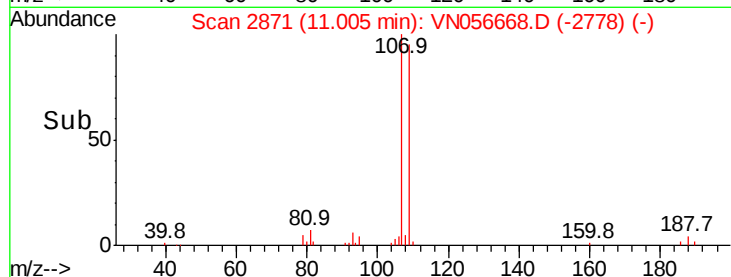
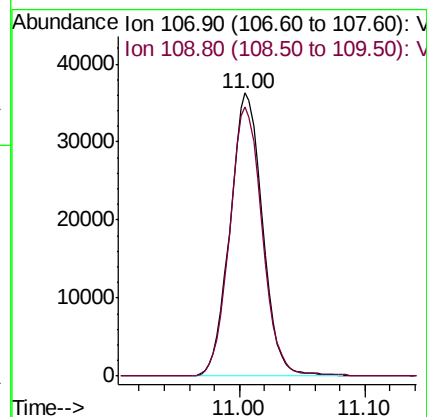
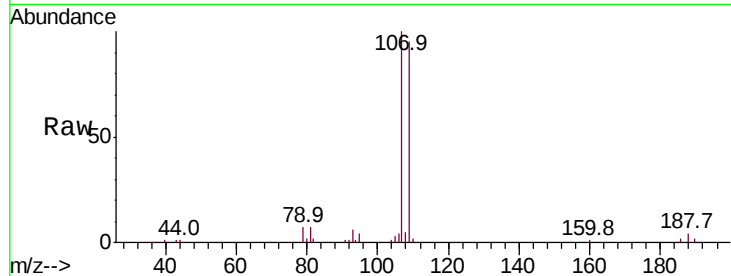
109 95.8 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

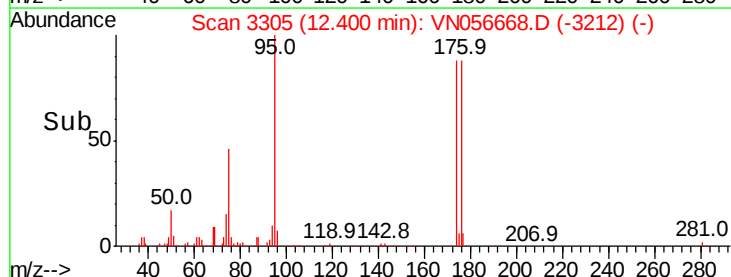
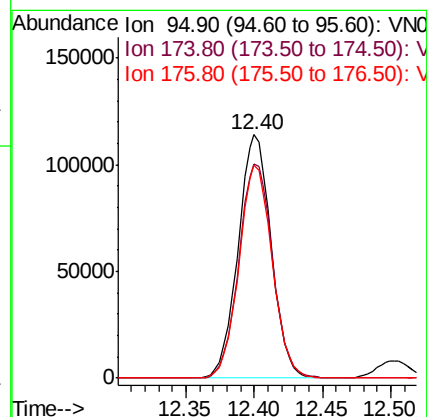
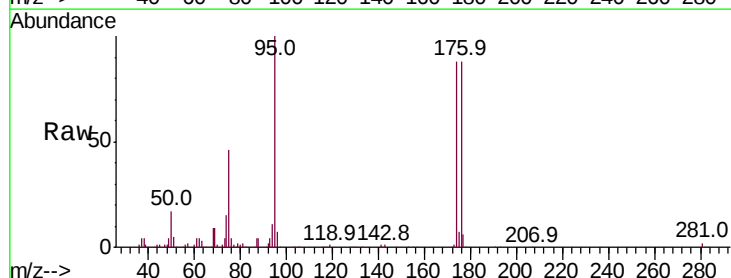
Tgt Ion: 95 Resp: 191467

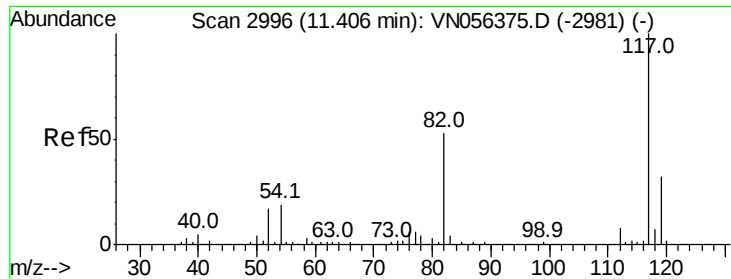
Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.4

176 88.0 0.0 173.4





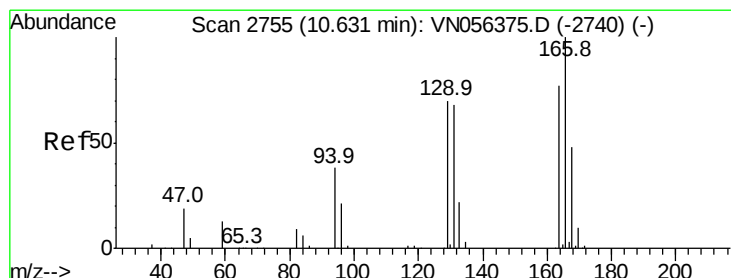
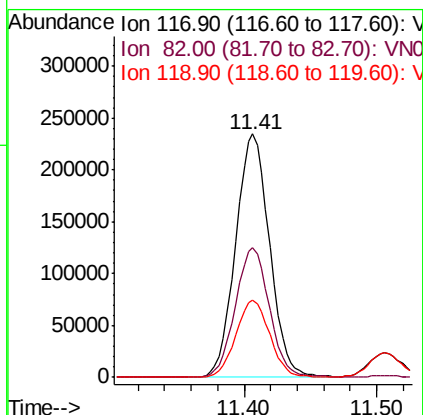
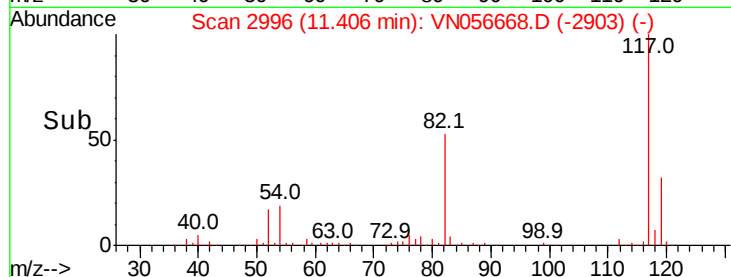
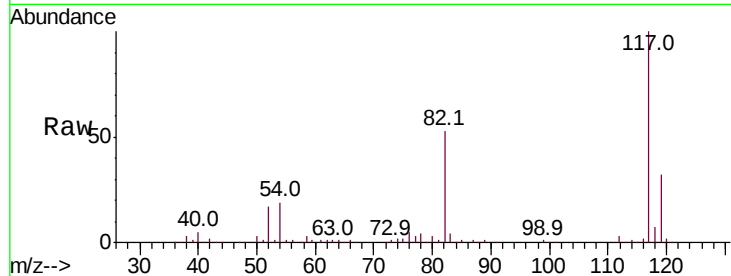
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.0	63.0
119	31.7	25.3	37.9

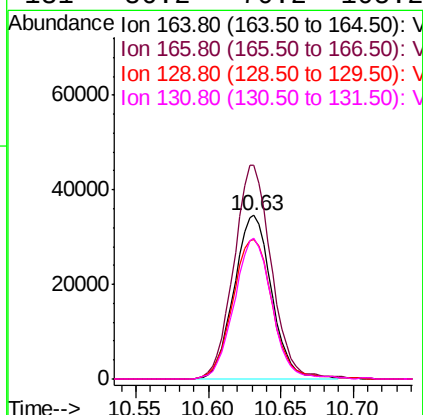
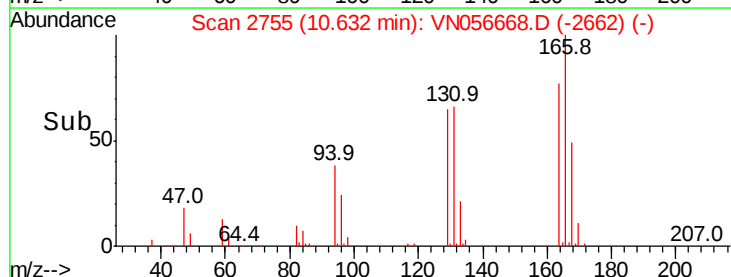
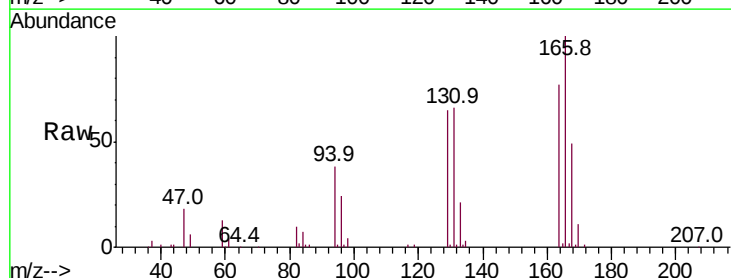
Manual Integrations
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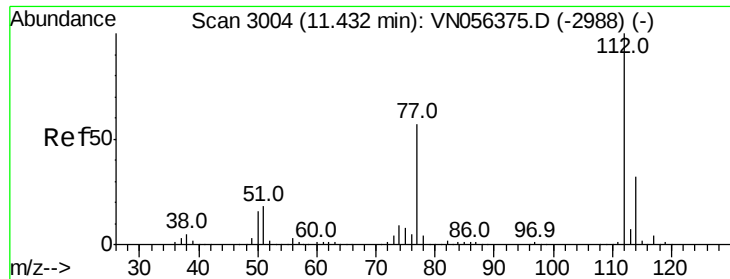
MMDadoda
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#64
Tetrachloroethene
Concen: 18.859 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	103.4	155.0
129	85.1	72.0	108.0
131	86.2	70.2	105.2





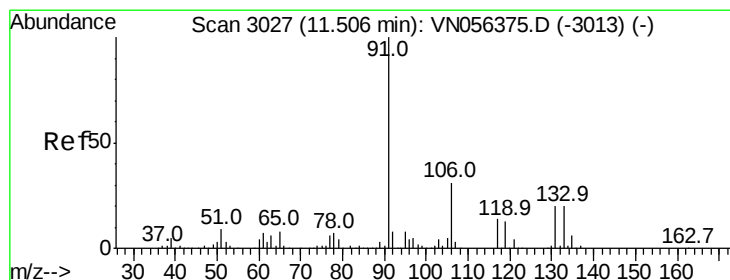
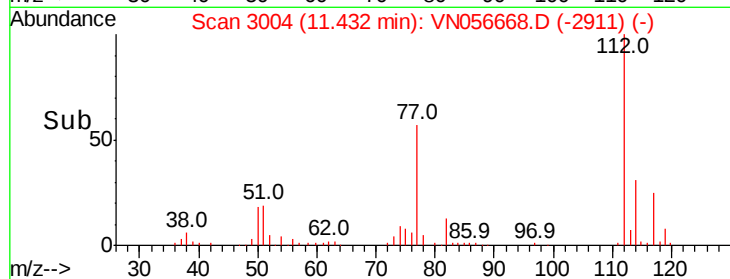
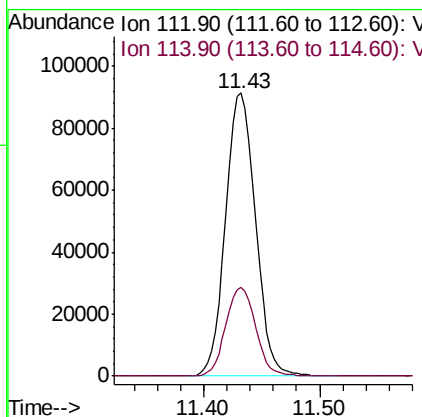
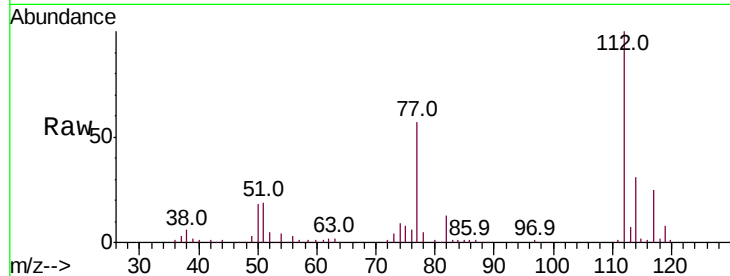
#65
Chlorobenzene
Concen: 19.402 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion:112 Resp: 162973
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

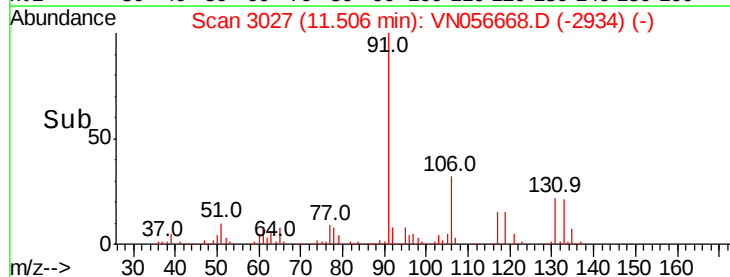
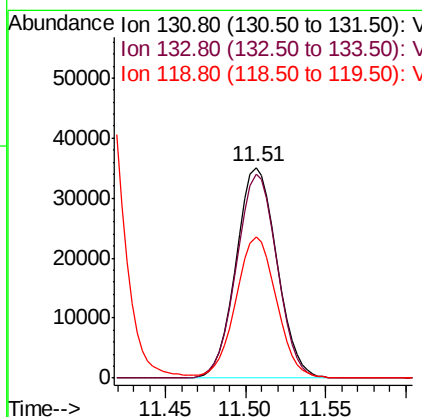
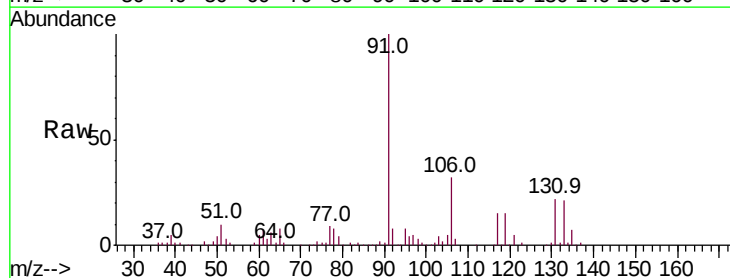
Manual Integrations
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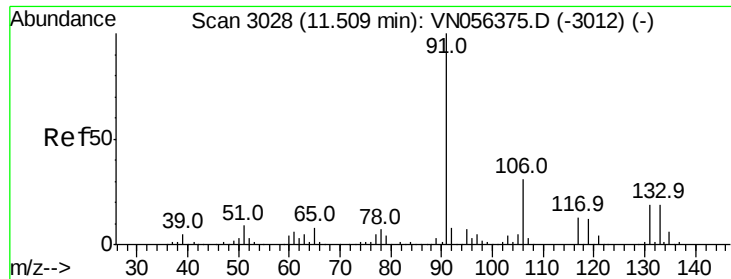
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.541 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:131 Resp: 61154
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 66.7 32.8 98.4





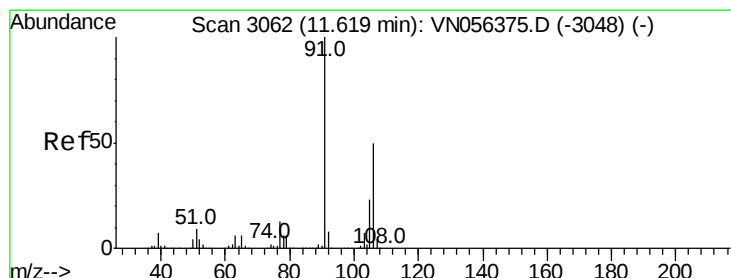
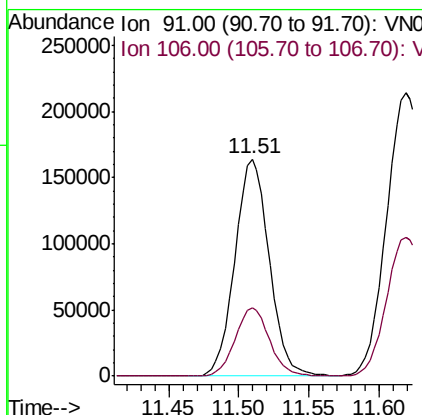
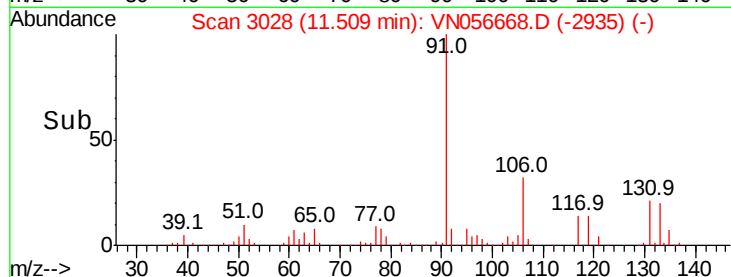
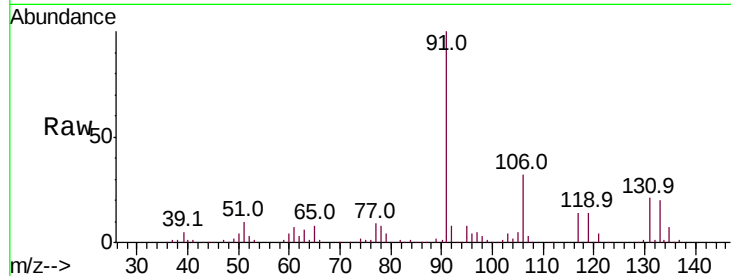
#67
Ethyl Benzene
Concen: 18.975 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampled :
VN0712WBS01

Tot Ion: 91 Resp: 279864
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

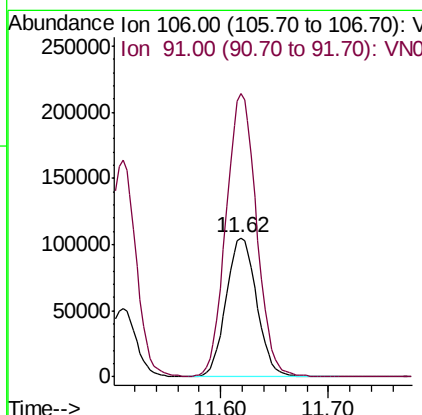
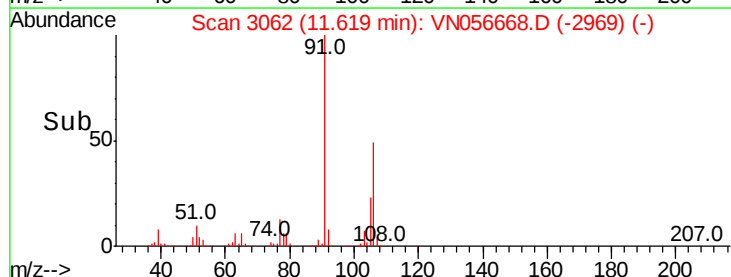
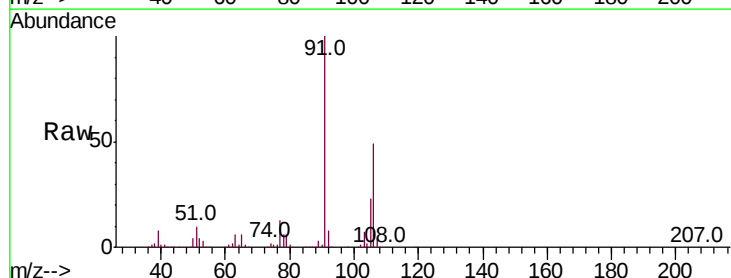
Manual Integrations
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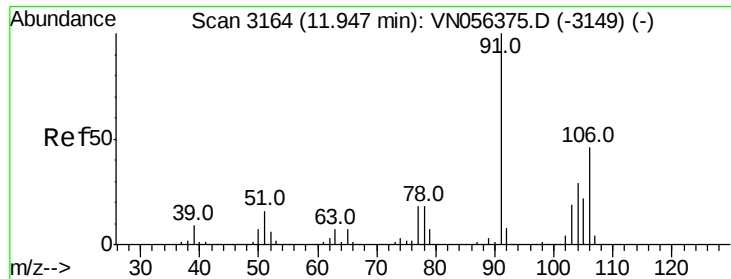
MMDadoda
7/12/2019 5:32:54 PM



#68
m/p-Xylenes
Concen: 38.482 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 106 Resp: 208007
Ion Ratio Lower Upper
106 100
91 203.4 160.1 240.1





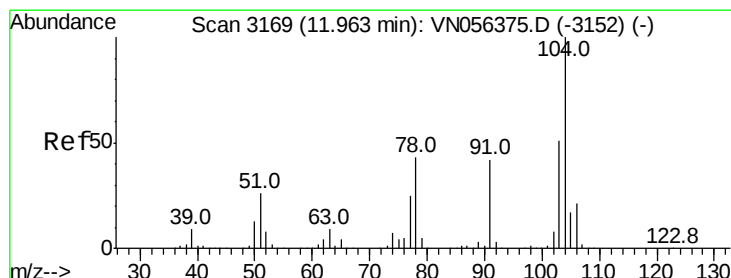
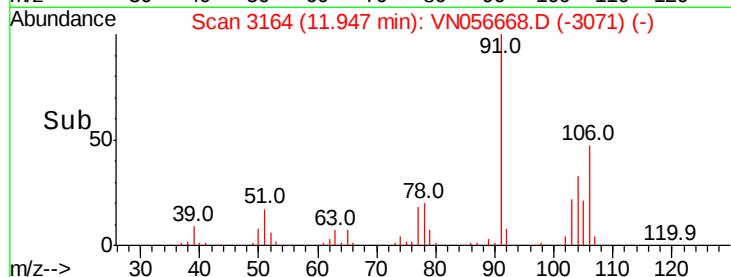
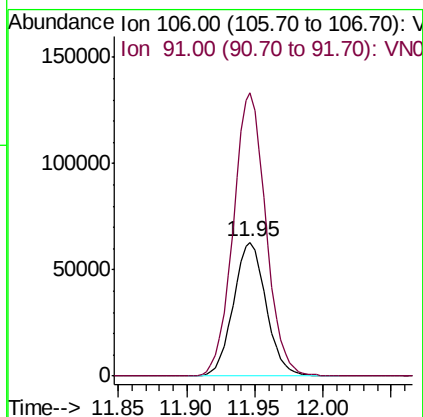
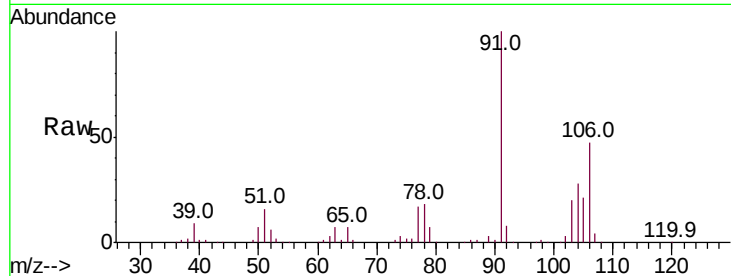
#69
o-Xylene
Concen: 19.624 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion:106 Resp: 104940
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.3

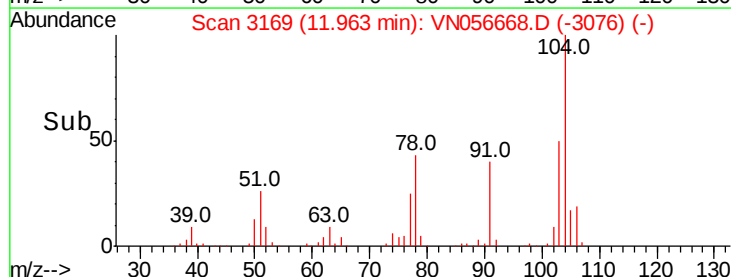
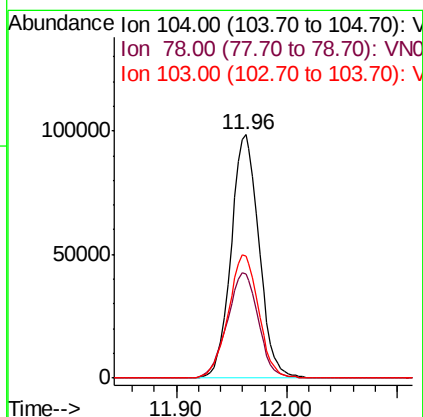
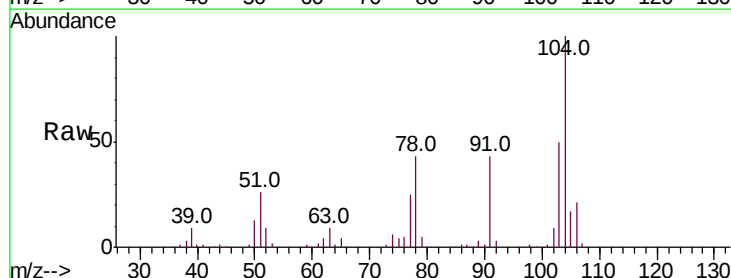
Manual Integrations
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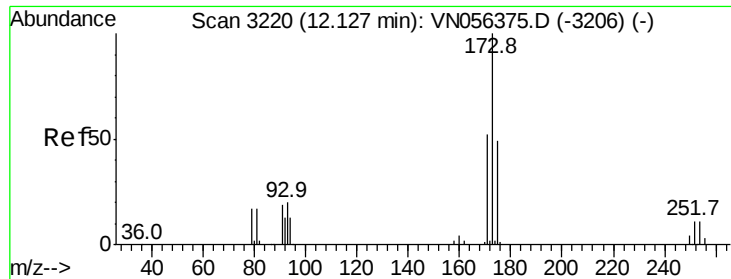
MMDadoda
7/12/2019 5:32:54 PM



#70
Styrene
Concen: 20.243 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion:104 Resp: 173030
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 55.1 43.9 65.9





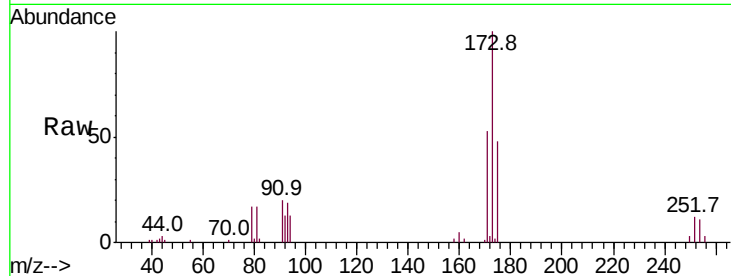
#71
Bromoform
Concen: 21.413 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

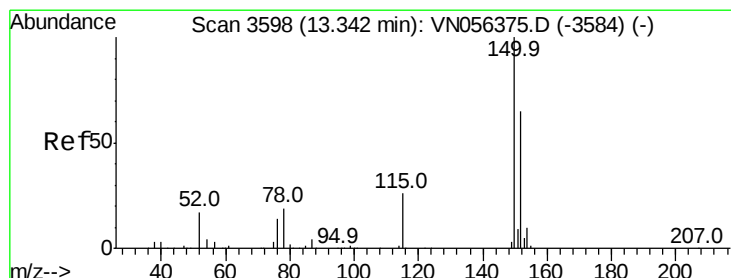
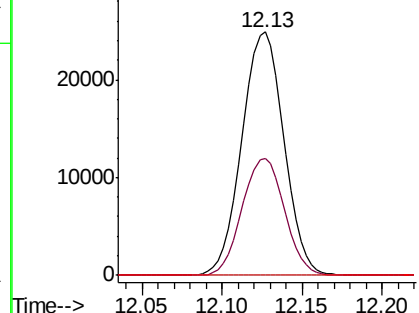
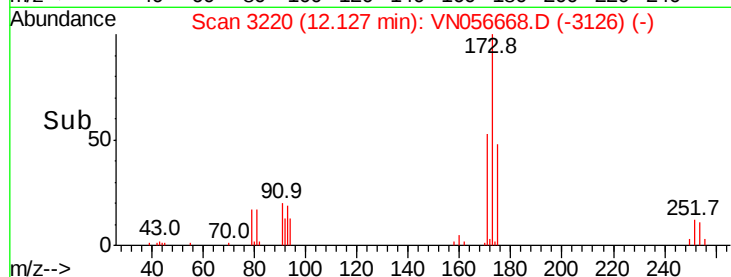
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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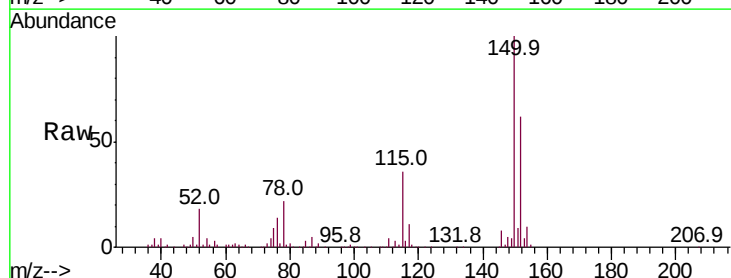


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

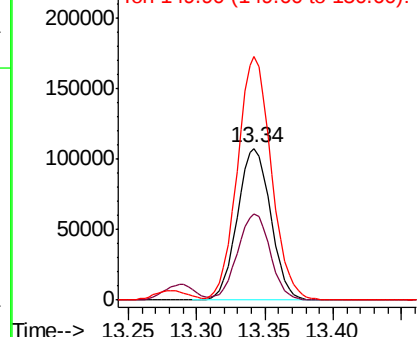
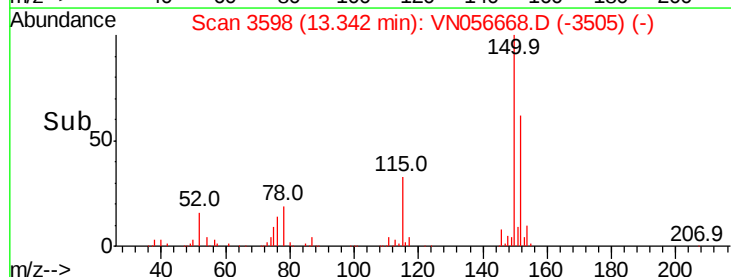


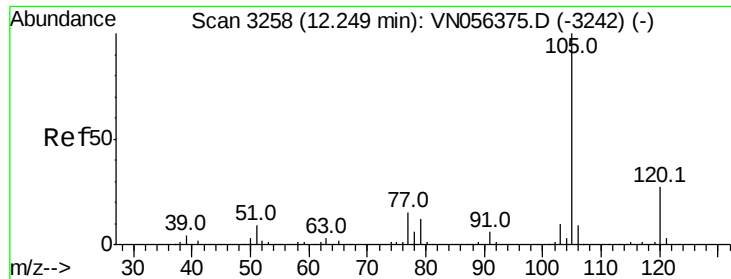
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.4
150	163.5	0.0	348.4



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





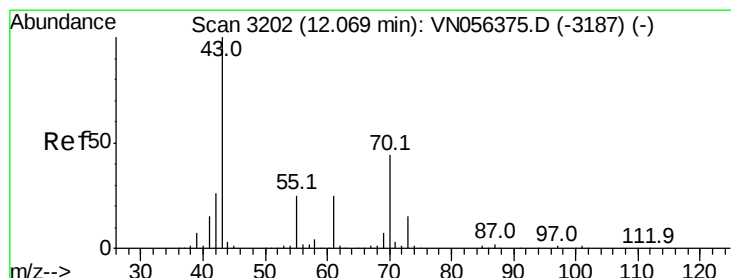
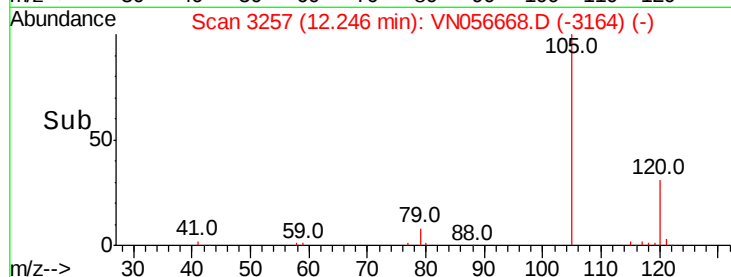
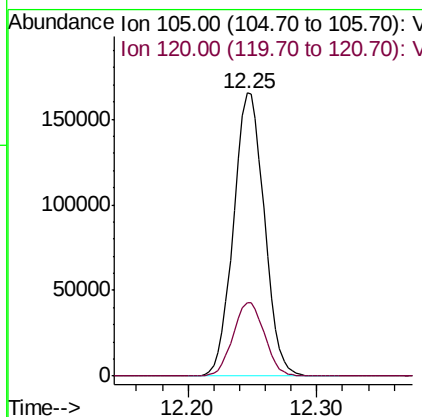
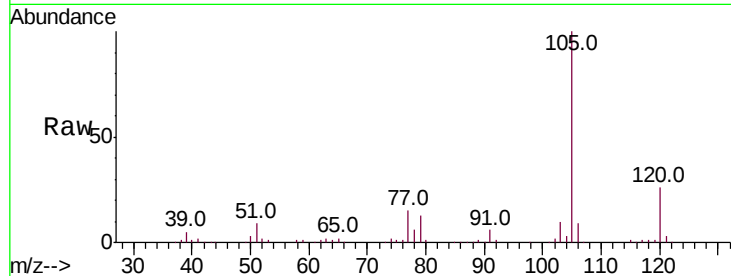
#73
Isopropylbenzene
Concen: 18.295 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion: 105 Resp: 274093
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

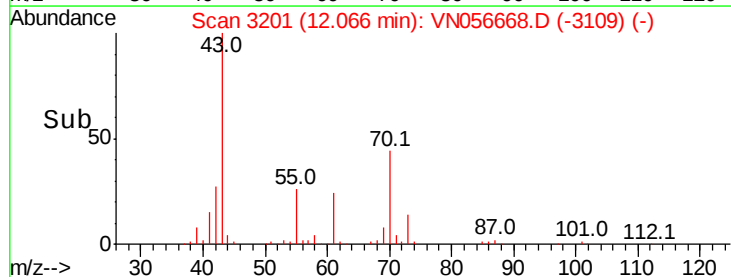
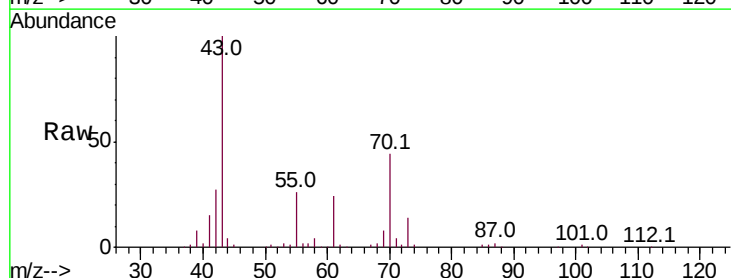
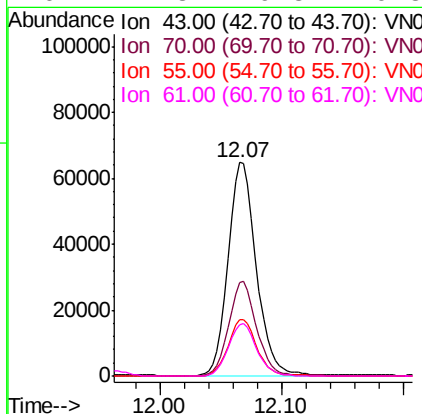
Manual Integrations
APPROVED

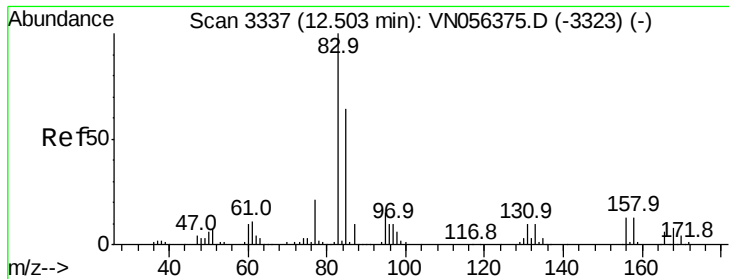
MMDadoda
7/12/2019 5:32:54 PM



#74
N-ethyl acetate
Concen: 18.170 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion: 43 Resp: 105521
Ion Ratio Lower Upper
43 100
70 43.5 34.9 52.3
55 26.6 20.4 30.6
61 24.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.085 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

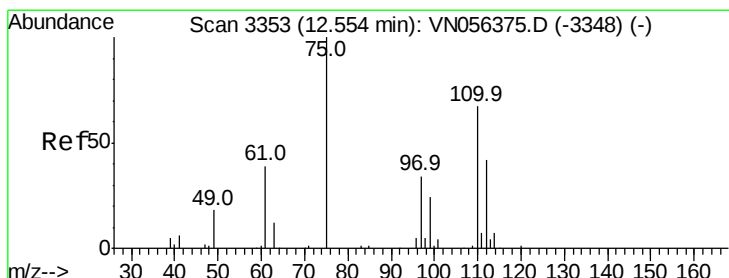
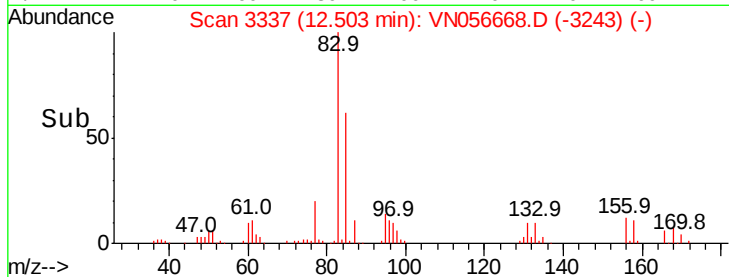
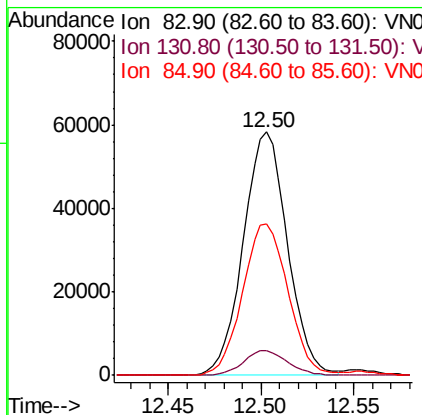
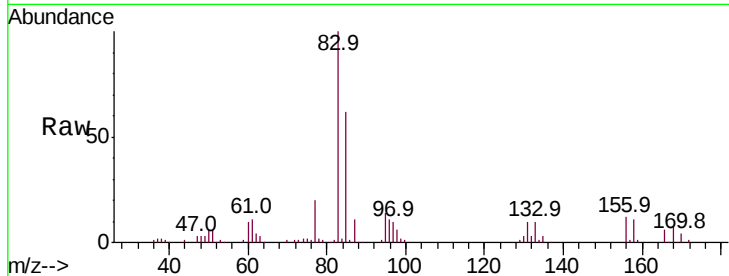
ClientSampleId :

VN0712WBS01

Tot Ion:	83	Resp:	97005
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.700 ug/l m

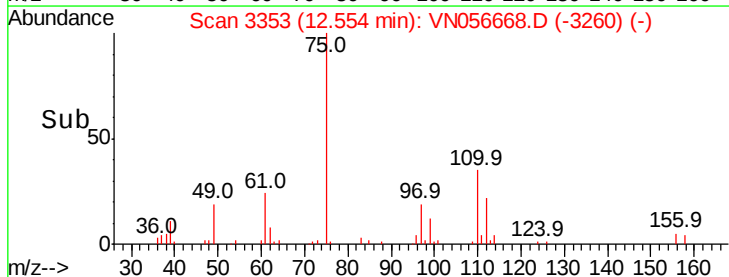
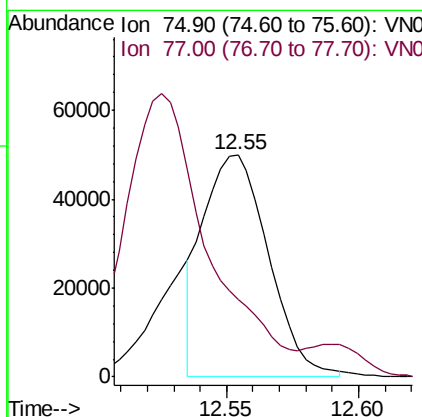
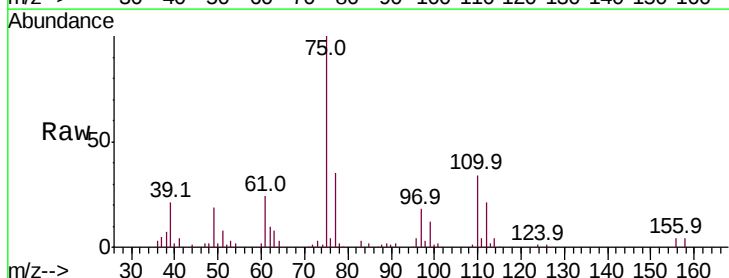
RT: 12.55 min Scan# 3353

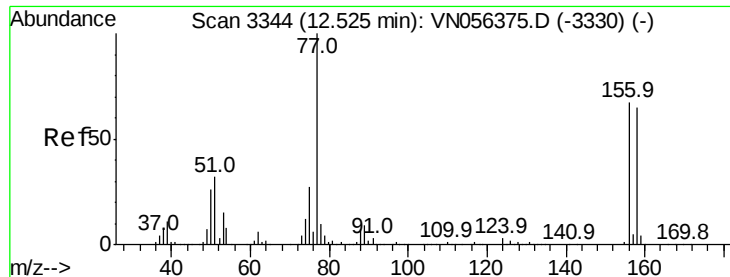
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	75	Resp:	85888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.860 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:156 Resp: 72868

Ion Ratio Lower Upper

156 100

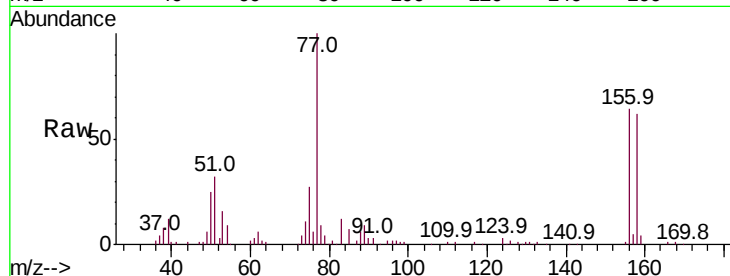
77 192.6 92.5 277.3

158 98.6 48.7 146.1

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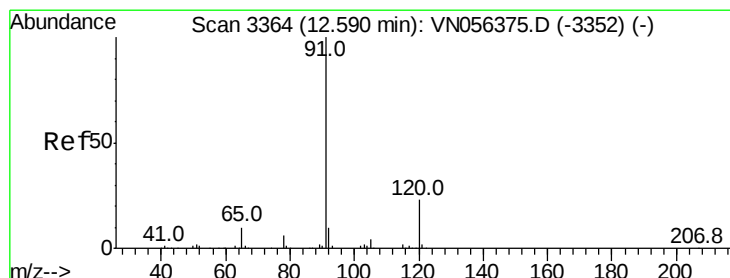
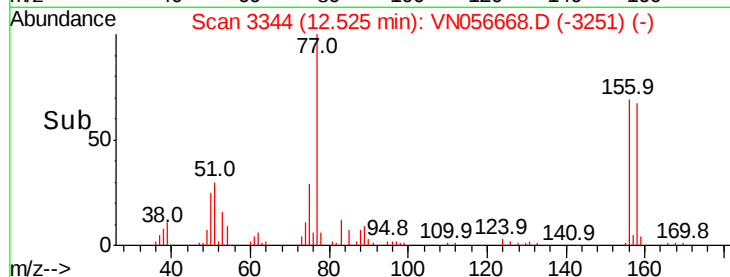
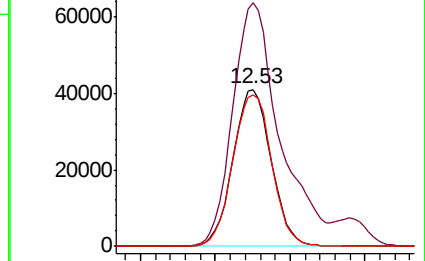
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.969 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056668.D

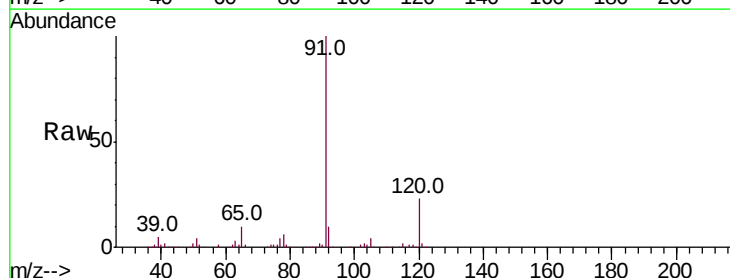
Acq: 11 Jul 2019 16:32

Tgt Ion: 91 Resp: 300264

Ion Ratio Lower Upper

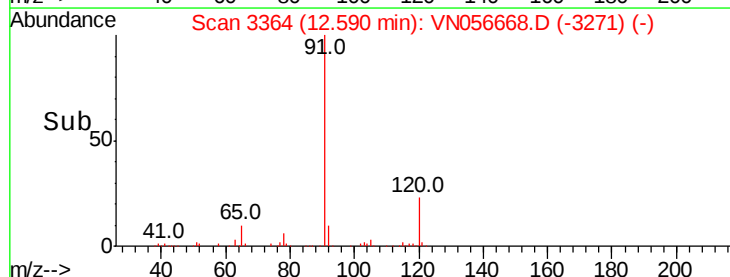
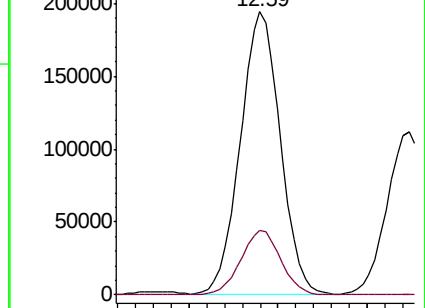
91 100

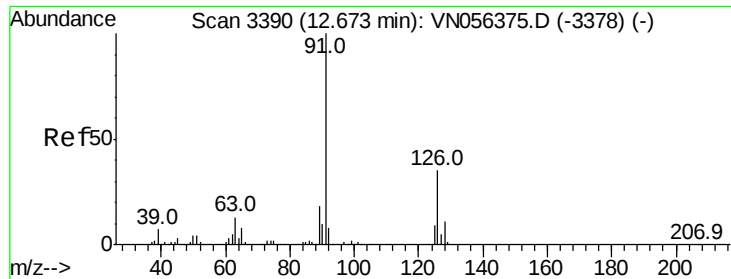
120 22.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.642 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion: 91 Resp: 185347

Ion Ratio Lower Upper

91 100

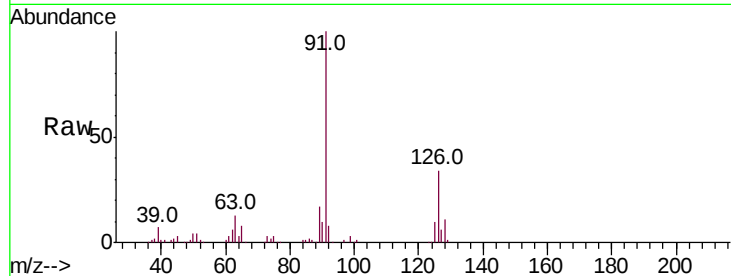
126 35.0 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056668.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN056668.D (-3390) (-)

150000

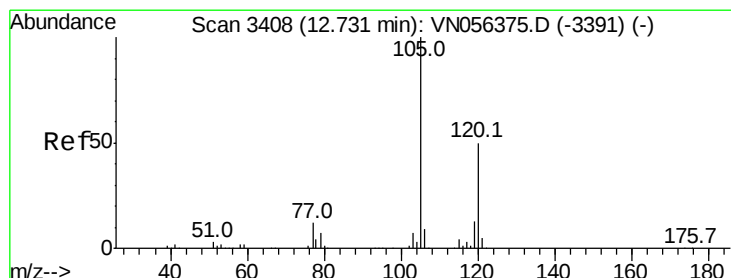
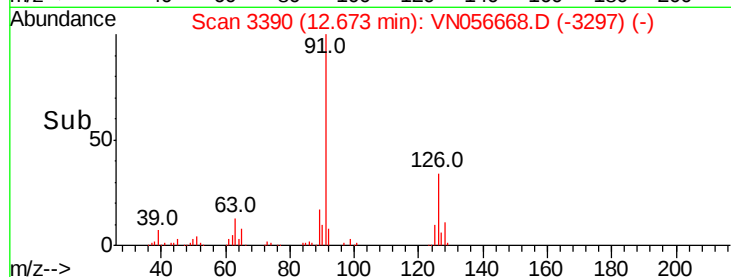
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.994 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056668.D

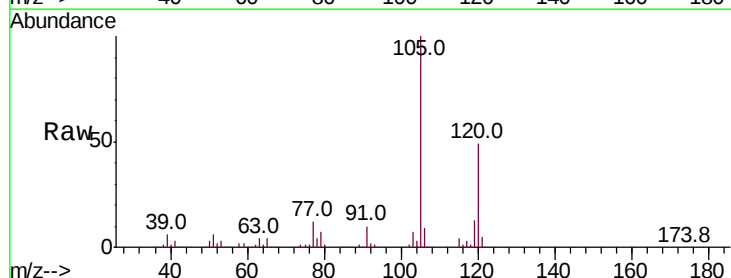
Acq: 11 Jul 2019 16:32

Tgt Ion:105 Resp: 234208

Ion Ratio Lower Upper

105 100

120 48.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056668.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN056668.D (-3408) (-)

150000

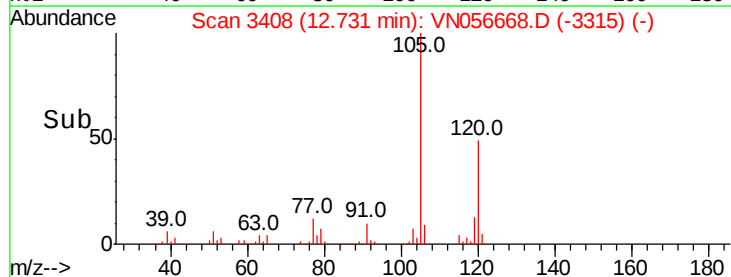
100000

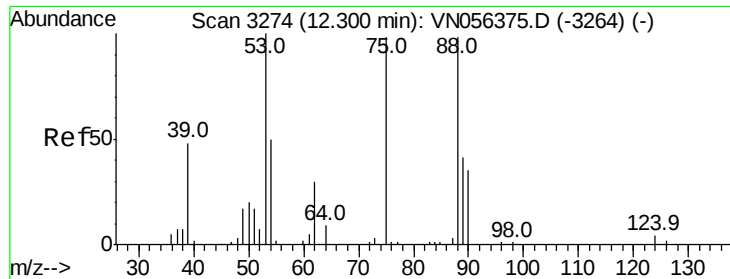
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.321 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

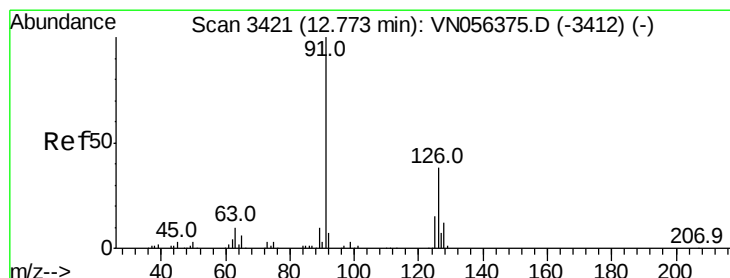
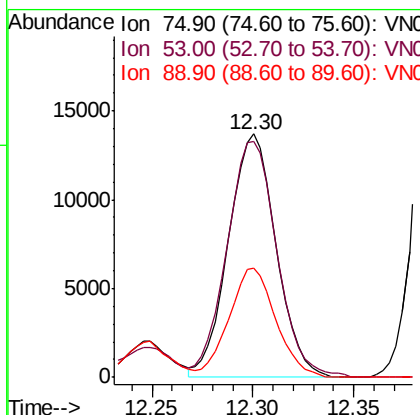
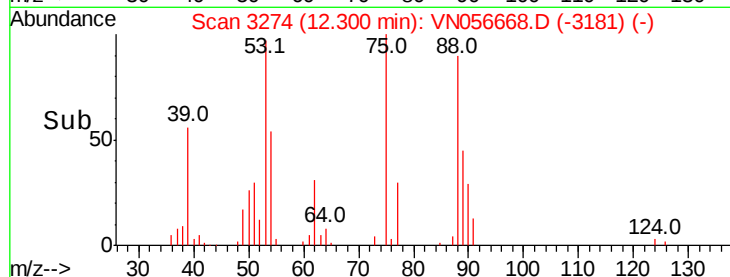
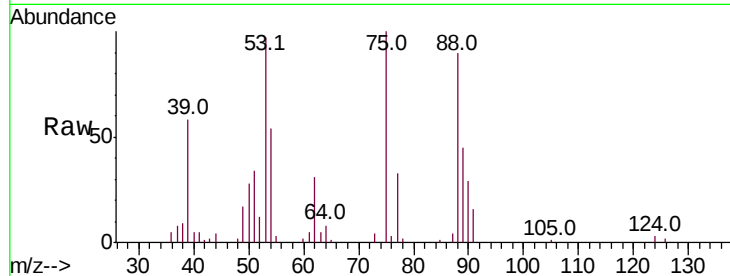
ClientSampleId :

VN0712WBS01

Tot Ion:	75	Resp:	22697
Ion	Ratio	Lower	Upper
75	100		
53	101.8	83.9	125.9
89	44.1	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.158 ug/l

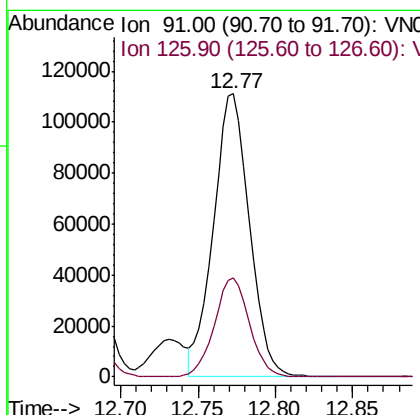
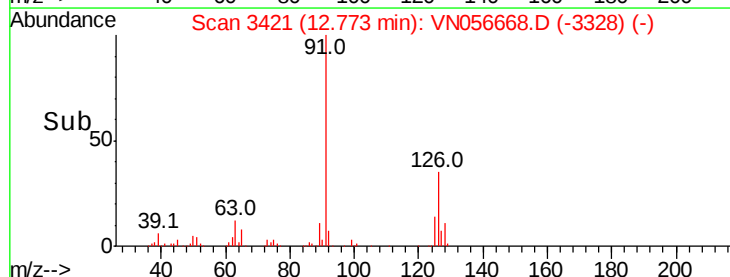
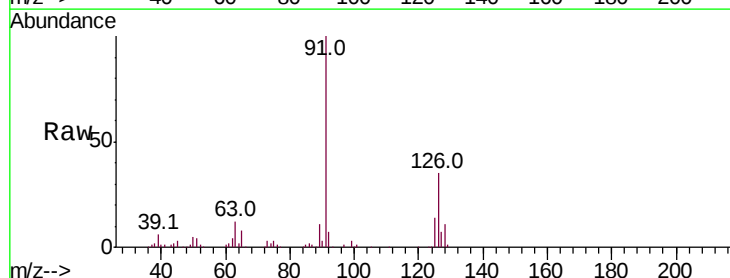
RT: 12.77 min Scan# 3421

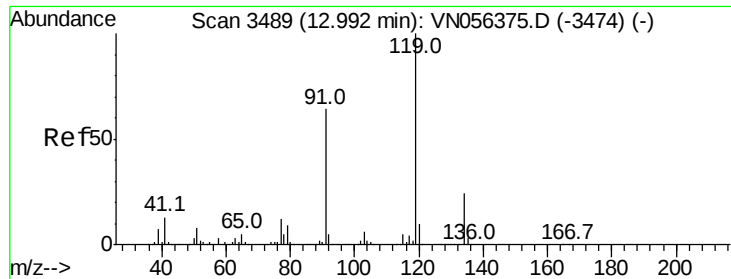
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	91	Resp:	179149
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	52.0





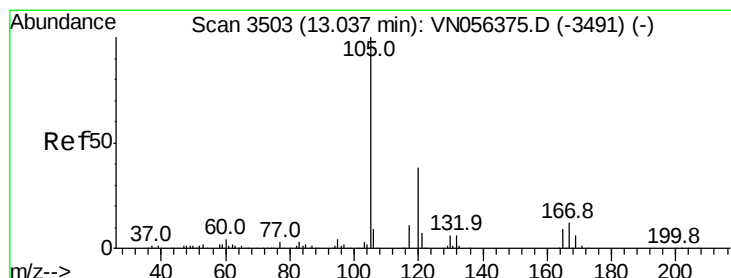
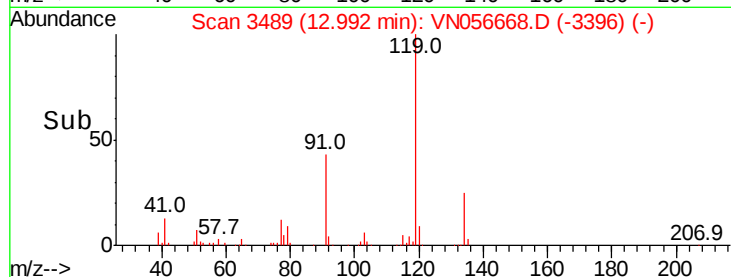
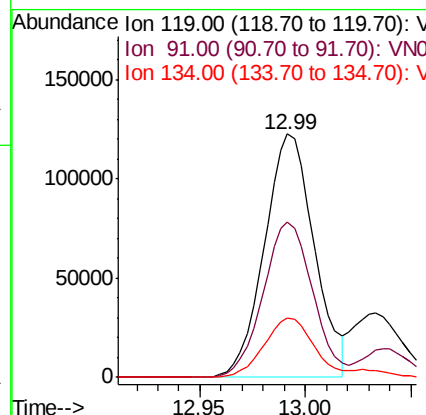
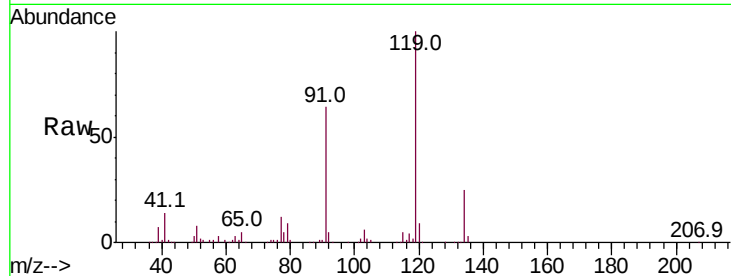
#83
tert-Butylbenzene
Concen: 18.444 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201985		
91	63.5		31.6	94.7
134	24.3		13.2	39.5

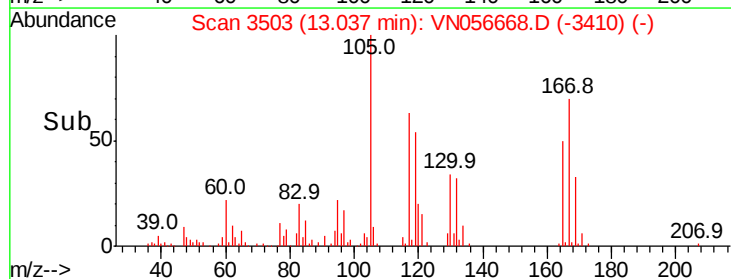
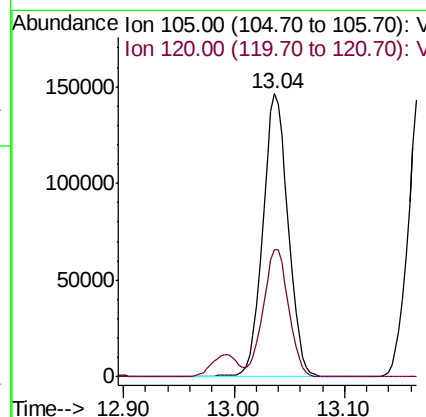
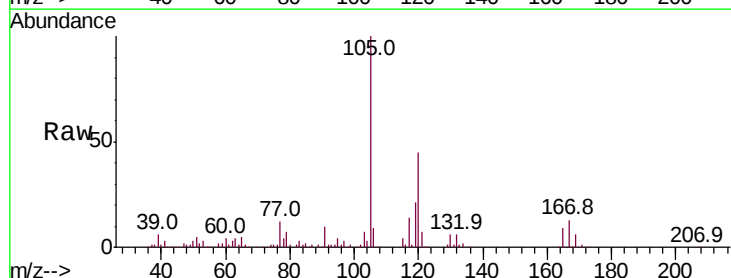
Manual Integrations
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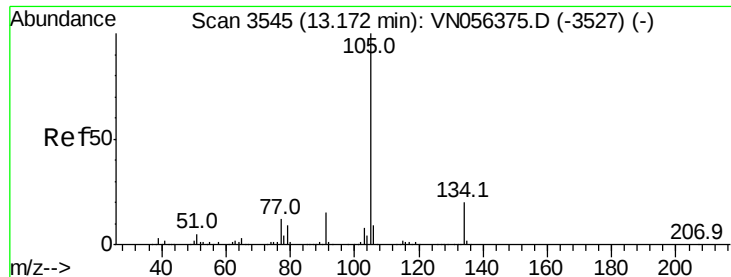
MMDadoda
7/12/2019 5:32:54 PM



#84
1,2,4-Trimethylbenzene
Concen: 18.911 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232301		
120	45.3		22.9	68.8





#85

sec-Butylbenzene

Concen: 17.814 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBS01

Tot Ion:105 Resp: 261630

Ion Ratio Lower Upper

105 100

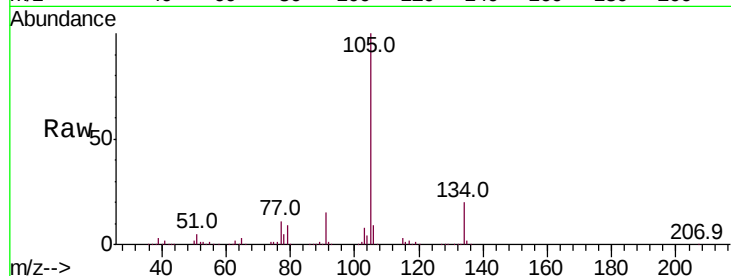
134 19.9 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

150000

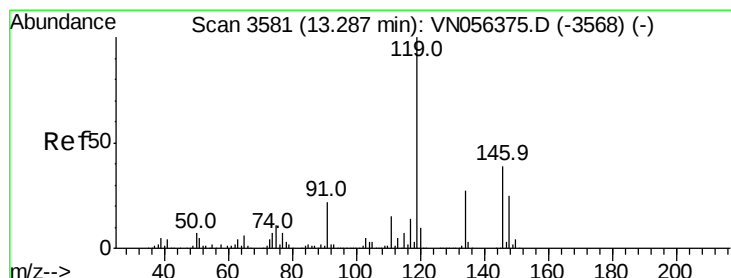
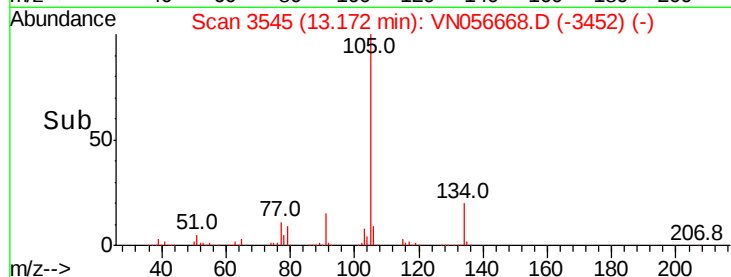
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 18.519 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

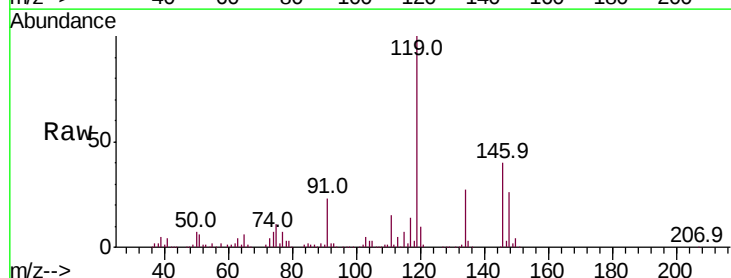
Tgt Ion:119 Resp: 233428

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 23.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

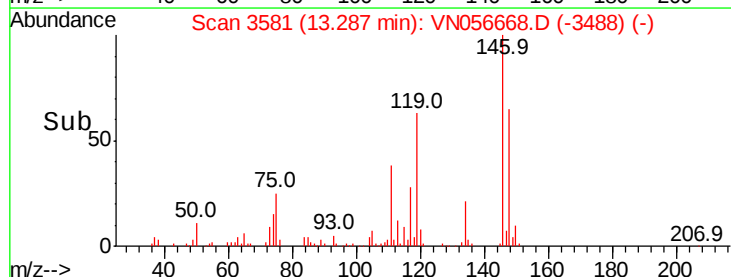
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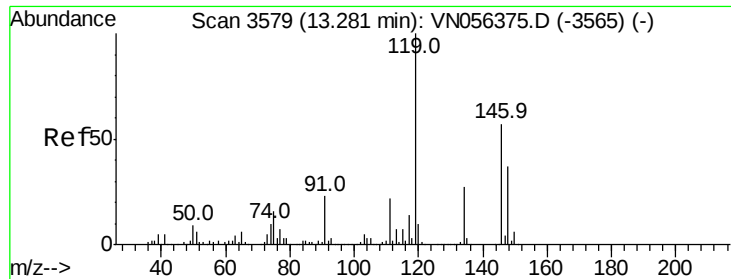
50000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 18.891 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

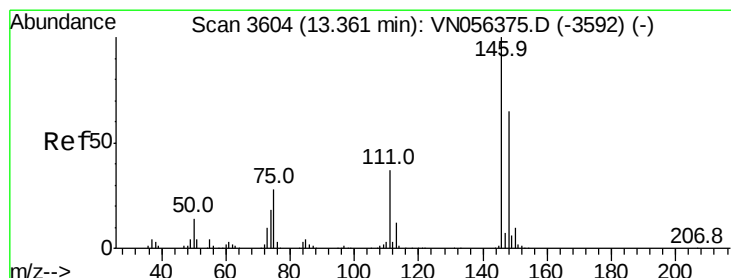
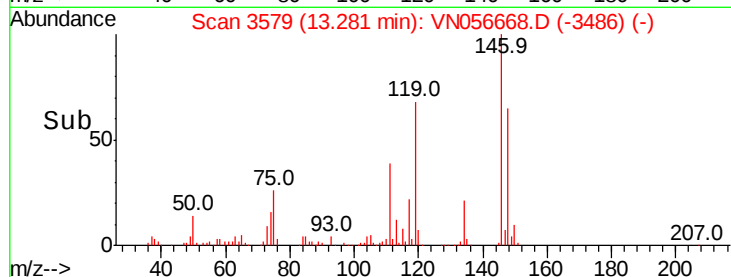
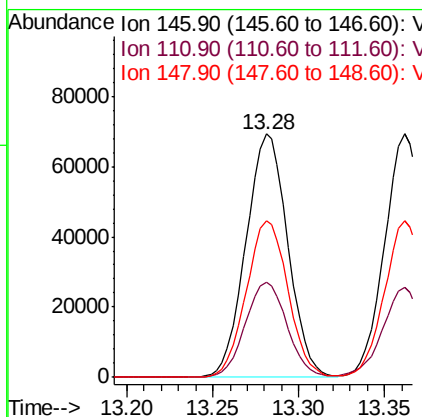
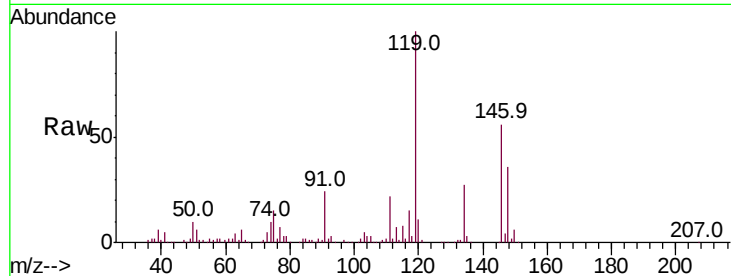
ClientSampleId :

VN0712WBS01

Tot Ion:	146	Resp:	116804
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.9	56.9
148	64.2	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.123 ug/l

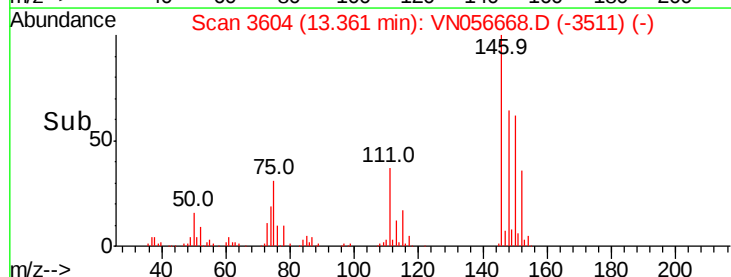
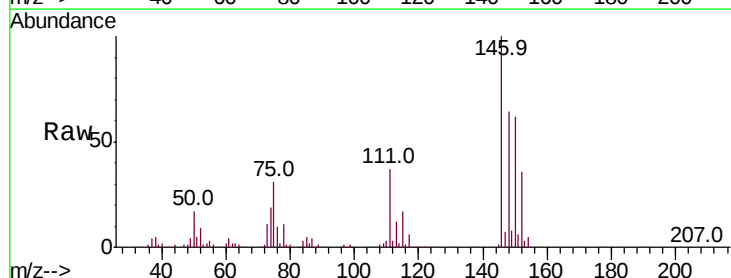
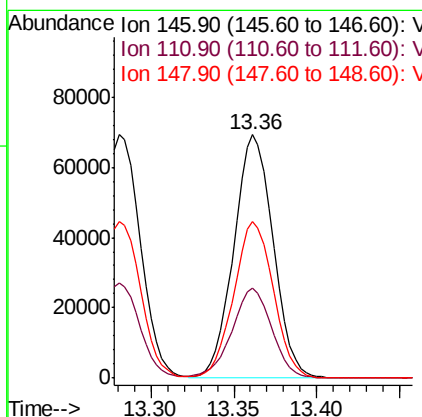
RT: 13.36 min Scan# 3604

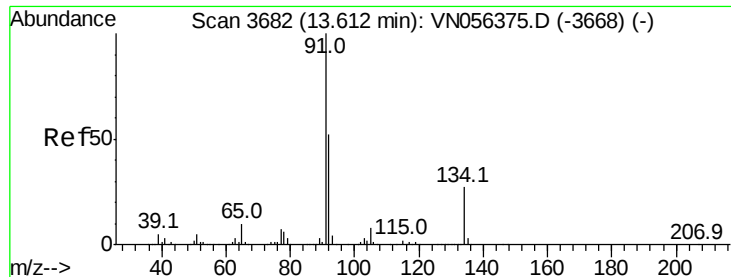
Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	146	Resp:	114515
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.4	55.4
148	64.7	32.4	97.0





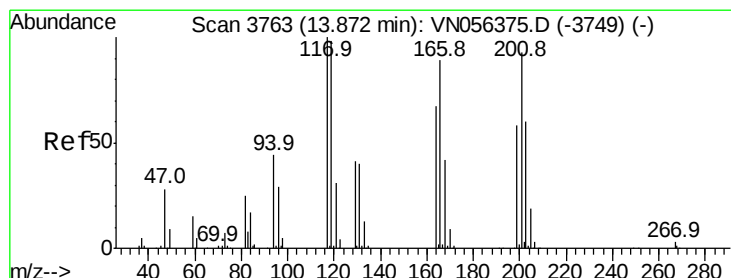
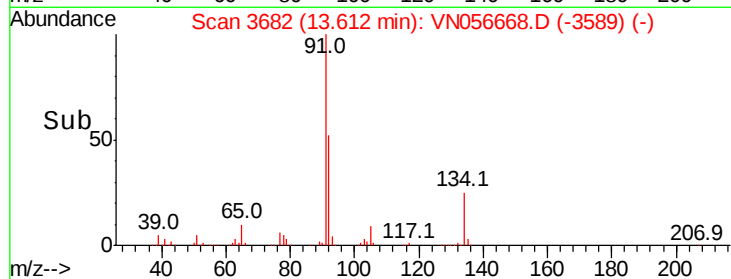
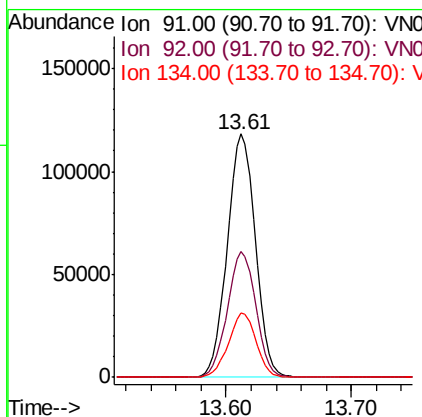
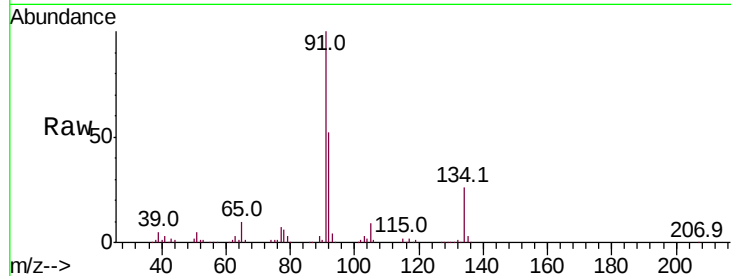
#89
n-Butylbenzene
Concen: 19.278 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	25.9	13.4	40.2

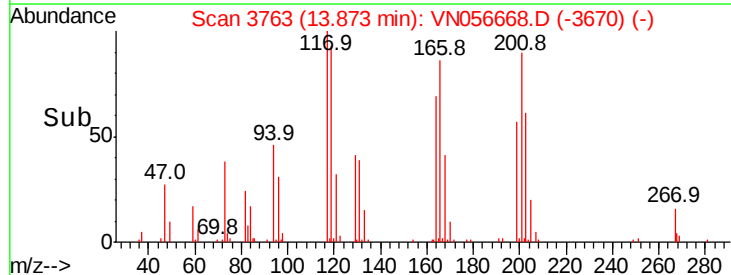
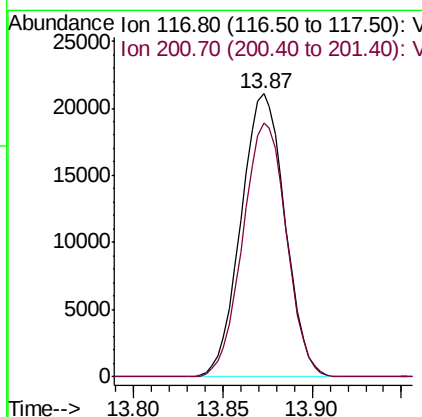
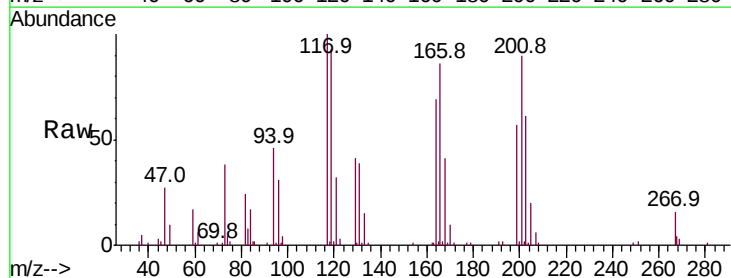
Manual Integrations
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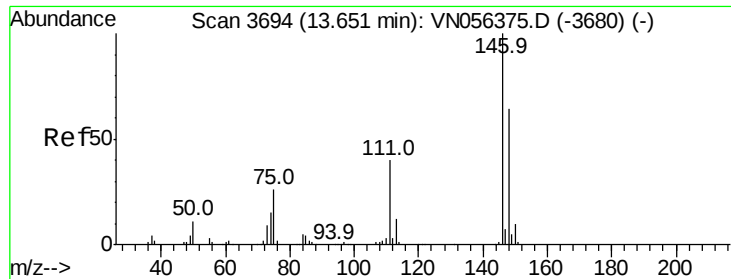
MMDadoda
7/12/2019 5:32:54 PM



#90
Hexachloroethane
Concen: 18.455 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056668.D
Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	45.9	137.6





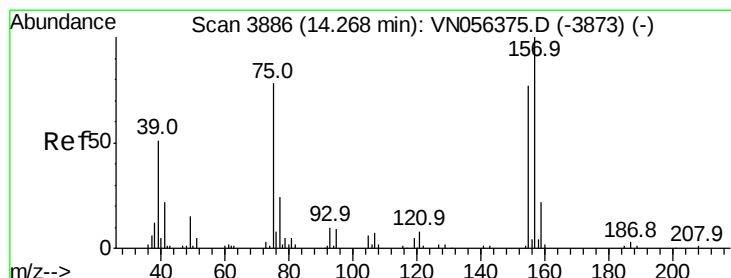
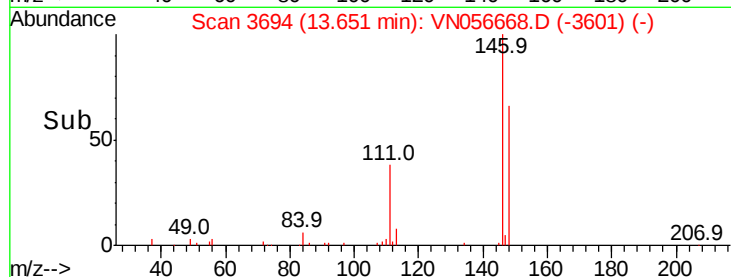
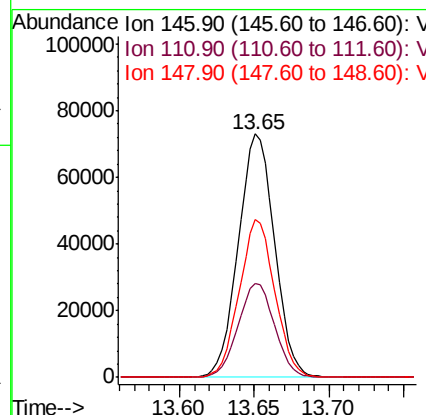
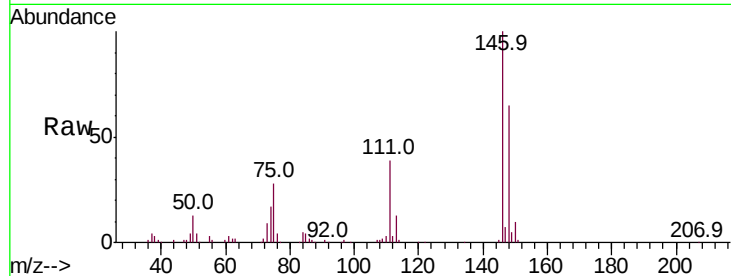
#91
 1,2-Dichlorobenzene
 Concen: 20.087 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.4	32.0	96.0

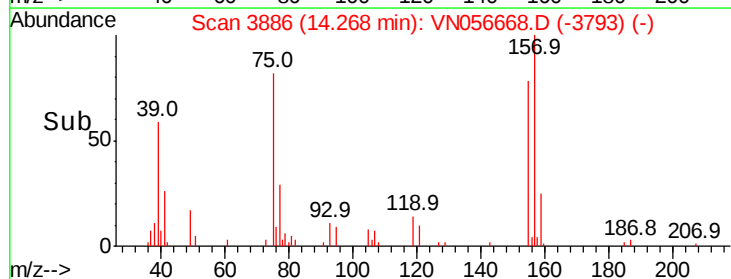
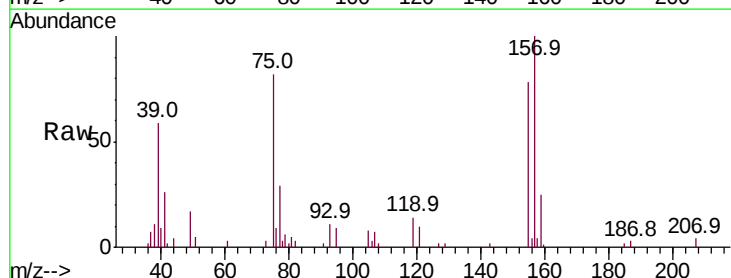
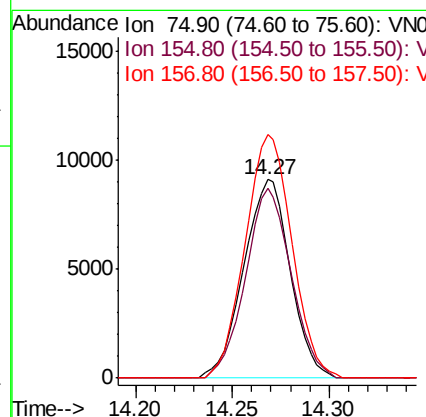
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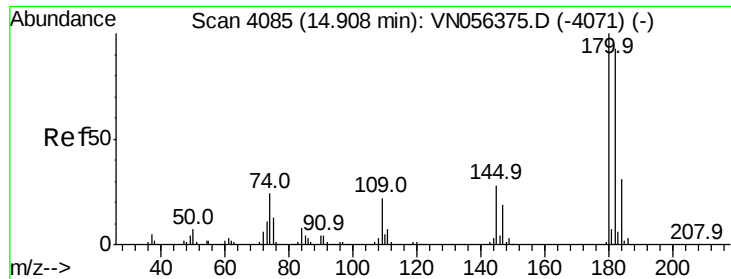
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.482 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	48.9	146.8
157	123.7	62.9	188.8





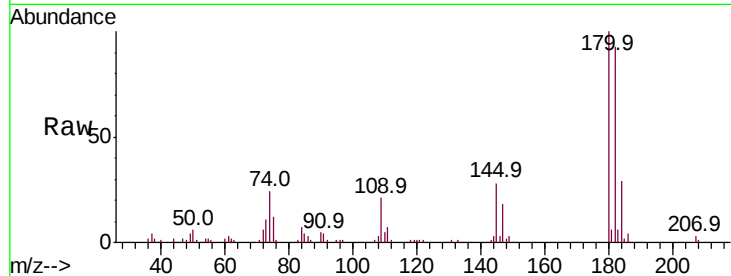
#93
 1,2,4-Trichlorobenzene
 Concen: 21.026 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBS01

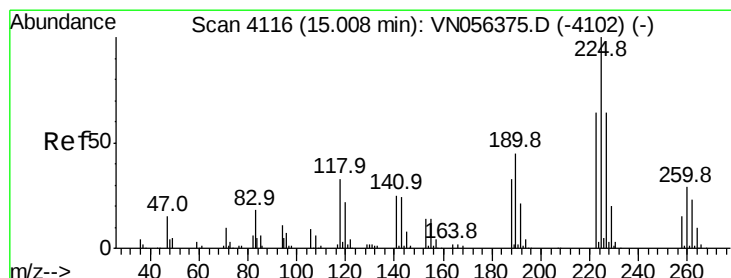
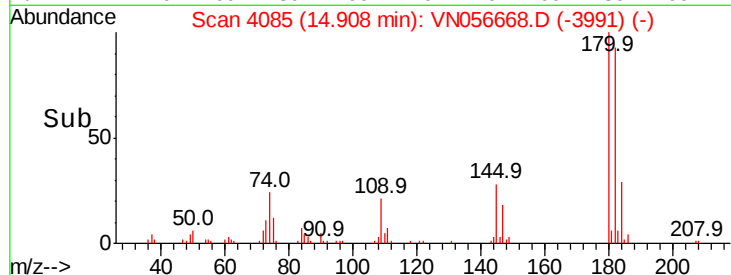
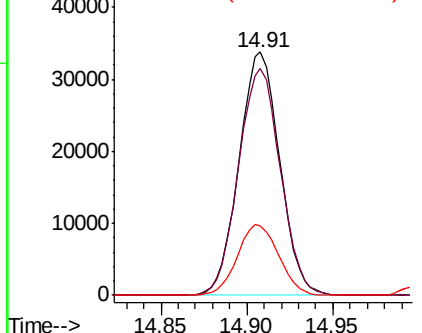
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.6
145	29.4	14.4	43.0

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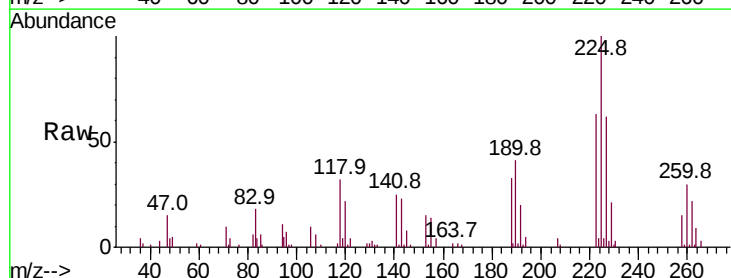


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

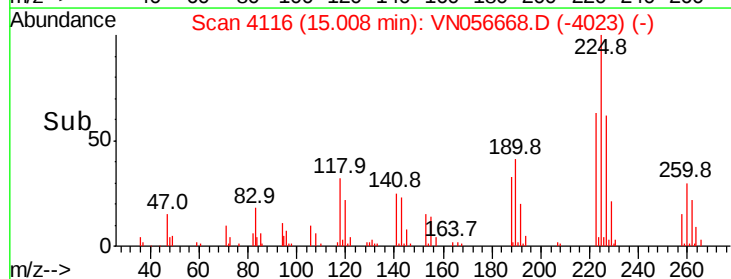
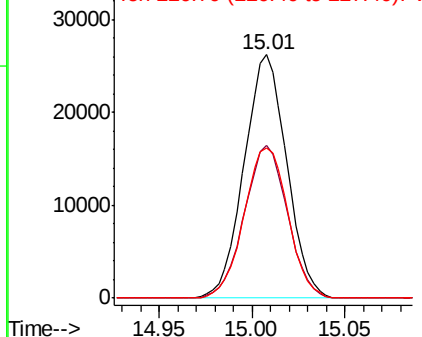


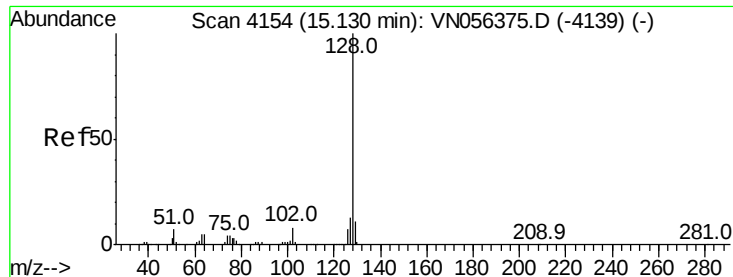
#94
 Hexachlorobutadiene
 Concen: 18.939 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056668.D
 Acq: 11 Jul 2019 16:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	63.8	32.1	96.3



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





#95

Naphthalene

Concen: 20.279 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Instrument :

MSVOA_N

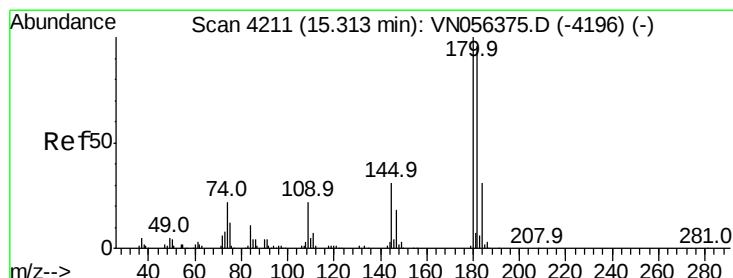
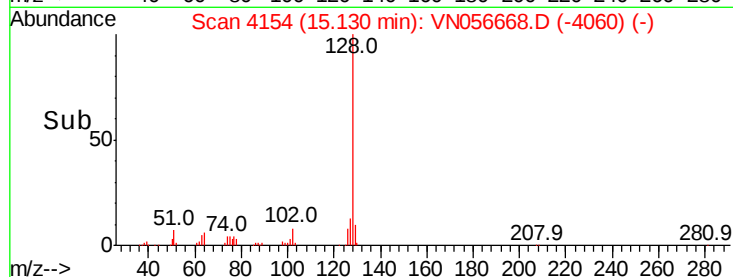
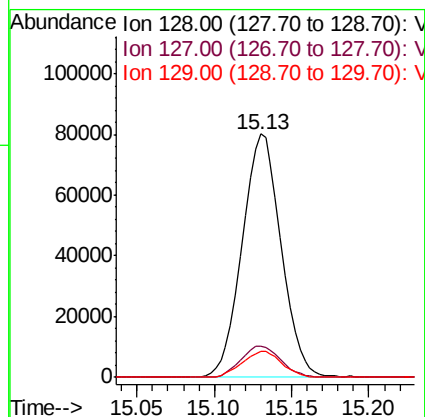
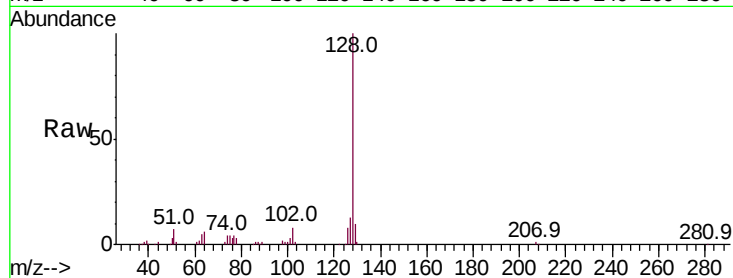
ClientSampleId :

VN0712WBS01

Tot Ion:	128	Resp:	140231
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 20.723 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056668.D

Acq: 11 Jul 2019 16:32

Tgt Ion:	180	Resp:	59056
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.3	144.8
145	30.7	15.4	46.1

