

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057046.D
 Acq On : 1 Aug 2019 18:41
 Operator : JC/SP
 Sample : K4097-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:10 AM

Quant Time: Aug 02 06:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	468692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	701575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	633521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	260272	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.58	113	239858	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.08	98	898470	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.40	95	293232	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	242265	51.130	ug/l	96
3) Chloromethane	2.05	50	271816	47.907	ug/l	100
4) Vinyl Chloride	2.18	62	258940	48.672	ug/l	99
5) Bromomethane	2.54	94	155916	47.142	ug/l	100
6) Chloroethane	2.69	64	142558	48.609	ug/l	99
7) Trichlorofluoromethane	3.00	101	358190	51.433	ug/l	98
8) Diethyl Ether	3.40	74	134075	51.442	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205526	47.601	ug/l	99
10) Methyl Iodide	3.94	142	317334	55.003	ug/l	99
11) Tert butyl alcohol	4.77	59	170317	262.633	ug/l	98
12) 1,1-Dichloroethene	3.72	96	208623	50.639	ug/l	98
13) Acrolein	3.59	56	91535	275.413	ug/l	98
14) Allyl chloride	4.31	41	330735	49.353	ug/l	99
15) Acrylonitrile	4.97	53	502019	263.976	ug/l	100
16) Acetone	3.81	43	376881	216.834	ug/l	100
17) Carbon Disulfide	4.04	76	510901	46.670	ug/l	100
18) Methyl Acetate	4.31	43	253123	45.651	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	652960	53.155	ug/l	99
20) Methylene Chloride	4.54	84	242487	48.432	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	221465	50.616	ug/l	99
22) Diisopropyl ether	5.94	45	698674	50.601	ug/l	99
23) Vinyl Acetate	5.88	43	2274568	237.757	ug/l	98
24) 1,1-Dichloroethane	5.83	63	410502	50.389	ug/l	99
25) 2-Butanone	6.82	43	599741	243.338	ug/l	97
26) 2,2-Dichloropropane	6.81	77	269638	43.529	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	258951	50.039	ug/l	99
28) Bromochloromethane	7.18	49	192939	50.385	ug/l	96
29) Tetrahydrofuran	7.20	42	413518	257.156	ug/l	98
30) Chloroform	7.36	83	413138	49.600	ug/l	99
31) Cyclohexane	7.64	56	358762	45.509	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	349598	52.603	ug/l	99
36) 1,1-Dichloropropene	7.78	75	296306	47.998	ug/l	100
37) Ethyl Acetate	6.91	43	236901	47.914	ug/l	99
38) Carbon Tetrachloride	7.76	117	304694	52.179	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	354683	44.953	ug/l	99
40) Benzene	8.03	78	942809	49.585	ug/l	99
41) Methacrylonitrile	7.16	41	110689	48.426	ug/l	97
42) 1,2-Dichloroethane	8.11	62	300444	50.417	ug/l	98
43) Isopropyl Acetate	8.15	43	393688	48.175	ug/l	98
44) Trichloroethene	8.83	130	262930	50.193	ug/l	99
45) 1,2-Dichloropropane	9.11	63	253035	49.753	ug/l	100
46) Dibromomethane	9.20	93	161030	52.502	ug/l	99
47) Bromodichloromethane	9.39	83	320361	53.125	ug/l	98
48) Methyl methacrylate	9.19	41	205430	52.067	ug/l	99
49) 1,4-Dioxane	9.19	88	83559	1027.686	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1250523	257.544	ug/l	100
52) Toluene	10.15	92	583258	51.056	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	323508	51.697	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	365144	50.185	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	231162	50.457	ug/l	99
56) Ethyl methacrylate	10.42	69	332768	48.164	ug/l	99
57) 1,3-Dichloropropane	10.70	76	387304	50.982	ug/l	99
59) 2-Hexanone	10.74	43	880142	235.525	ug/l	99
60) Dibromochloromethane	10.90	129	252975	53.897	ug/l	97
61) 1,2-Dibromoethane	11.00	107	242243	54.182	ug/l	99
64) Tetrachloroethene	10.63	164	266957	48.899	ug/l	98
65) Chlorobenzene	11.43	112	639161	49.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	244195	50.247	ug/l	100
67) Ethyl Benzene	11.51	91	1110002	49.740	ug/l	100
68) m/p-Xylenes	11.62	106	830576	100.849	ug/l	100
69) o-Xylene	11.94	106	406068	50.396	ug/l	100
70) Stvrene	11.96	104	678360	47.720	ug/l	99
71) Bromoform	12.12	173	182048	53.654	ug/l #	98
73) Isopropylbenzene	12.25	105	1085706	47.896	ug/l	100
74) N-amyl acetate	12.07	43	309649	47.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	302008	52.856	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	248061m	46.570	ug/l	
77) Bromobenzene	12.52	156	287017	48.514	ug/l	99
78) n-propylbenzene	12.59	91	1158665	47.872	ug/l	99
79) 2-Chlorotoluene	12.67	91	711545	47.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	905265	48.659	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	81419	49.111	ug/l	96
82) 4-Chlorotoluene	12.77	91	679304	48.706	ug/l	99
83) tert-Butylbenzene	12.99	119	803644	48.796	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	881376	49.235	ug/l	100
85) sec-Butylbenzene	13.17	105	1004077	47.265	ug/l	99
86) p-Isopropyltoluene	13.29	119	909643	48.230	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	445909	49.550	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	430799	49.726	ug/l	100
89) n-Butylbenzene	13.61	91	683117	46.995	ug/l	99
90) Hexachloroethane	13.87	117	159902	49.237	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	449105	50.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46930	52.053	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	195390	43.155	ug/l	99

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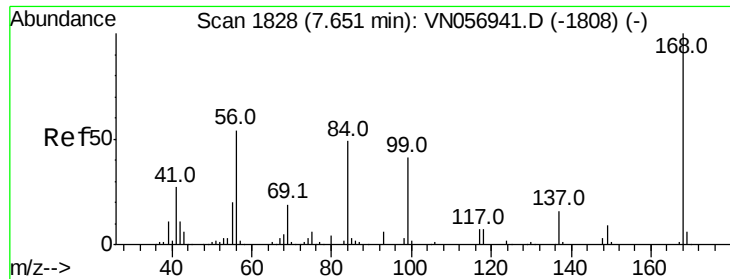
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	158349	51.266	ug/l	99
95) Naphthalene	15.12	128	506480	45.774	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	215659	46.842	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:168 Resp: 468692

Ion Ratio Lower Upper

168 100

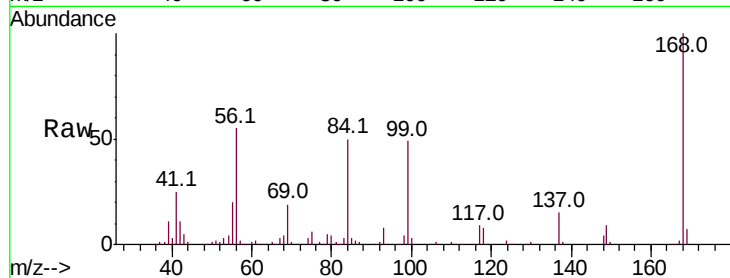
99 49.1 39.0 58.4

Manual Integrations

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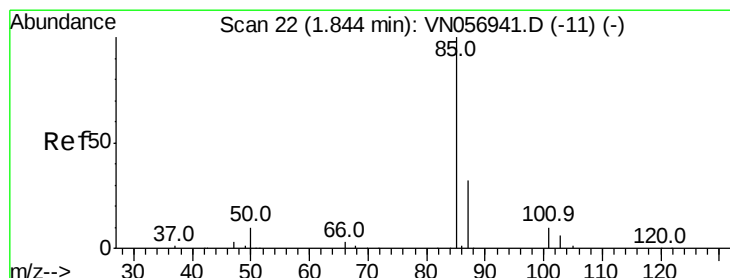
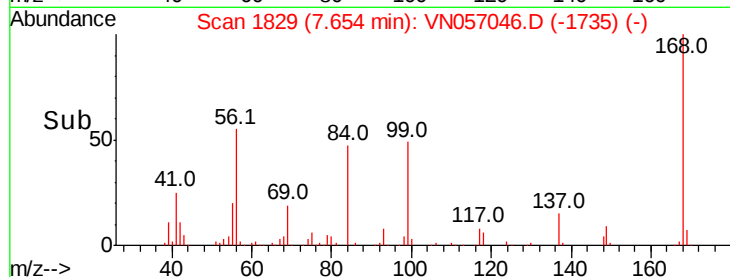
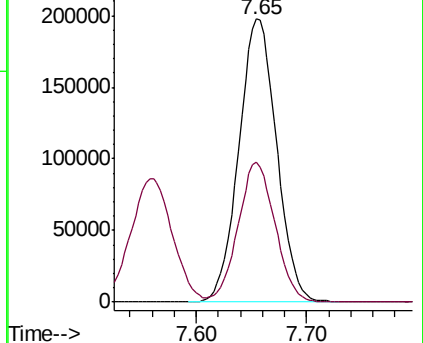
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 51.130 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057046.D

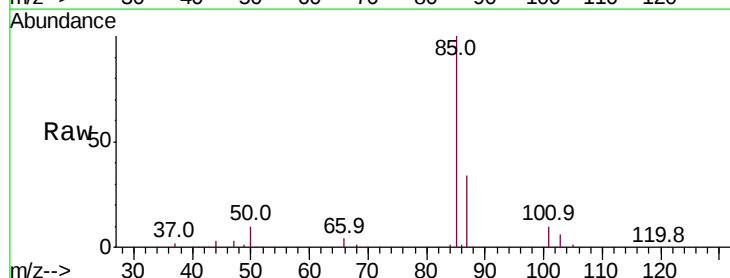
Acq: 1 Aug 2019 18:41

Tgt Ion: 85 Resp: 242265

Ion Ratio Lower Upper

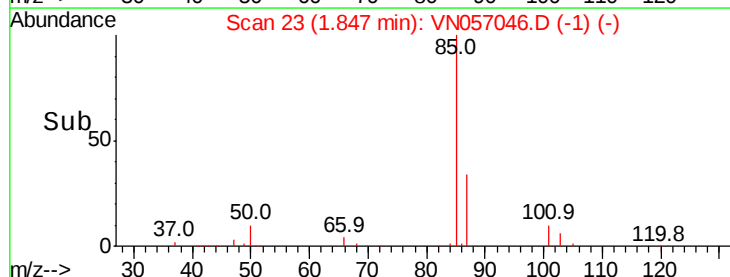
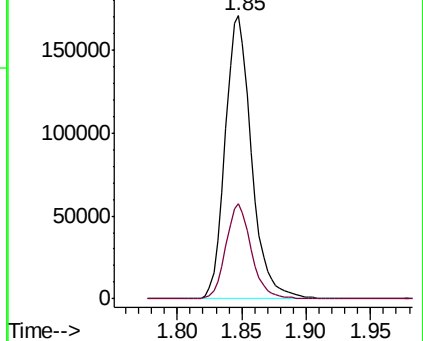
85 100

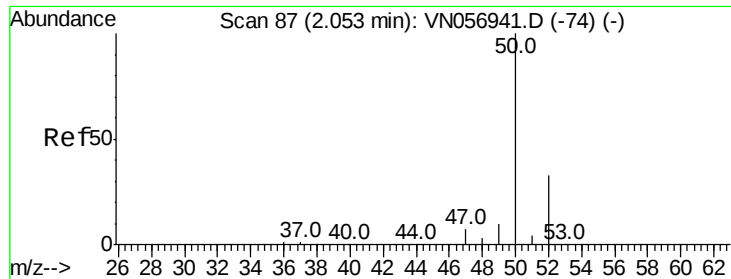
87 33.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





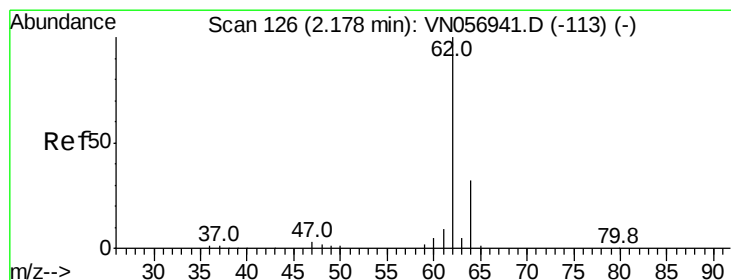
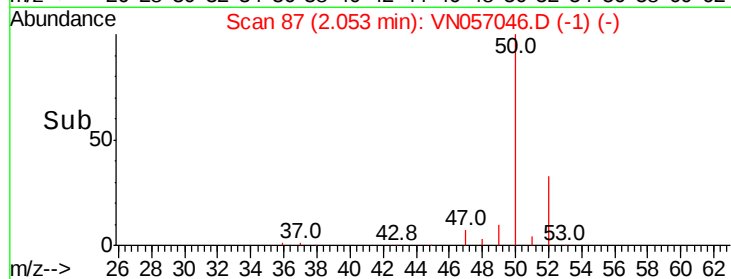
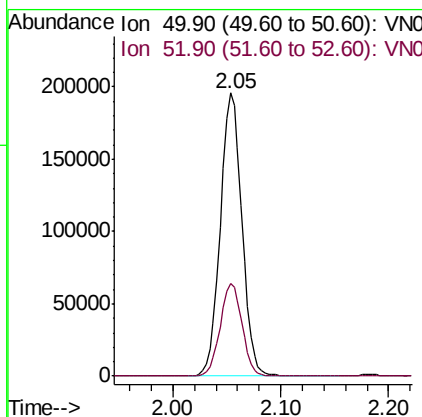
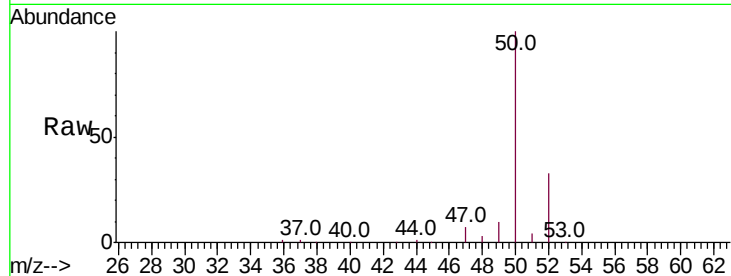
#3
Chloromethane
Concen: 47.907 ug/l
RT: 2.05 min Scan# 87
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion: 50 Resp: 271816
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.2

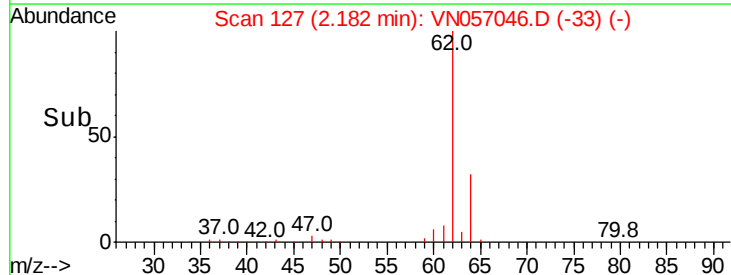
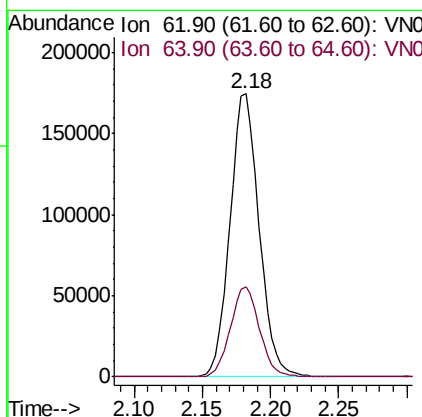
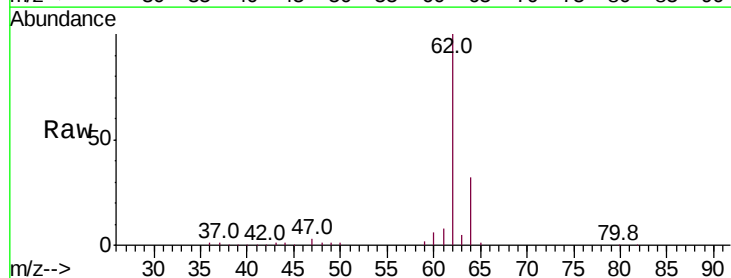
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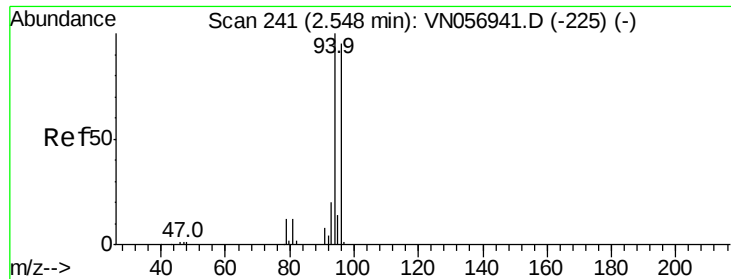
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#4
Vinyl Chloride
Concen: 48.672 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion: 62 Resp: 258940
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 47.142 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 94 Resp: 155916

Ion Ratio Lower Upper

94 100

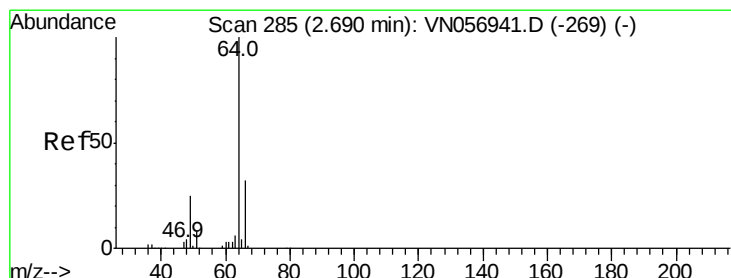
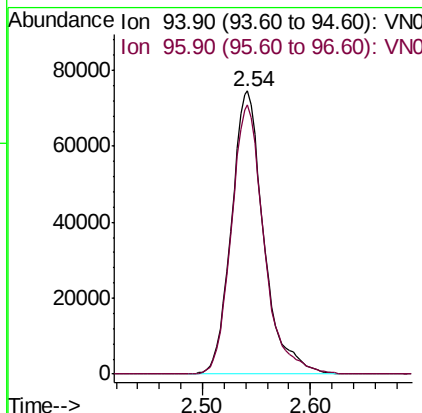
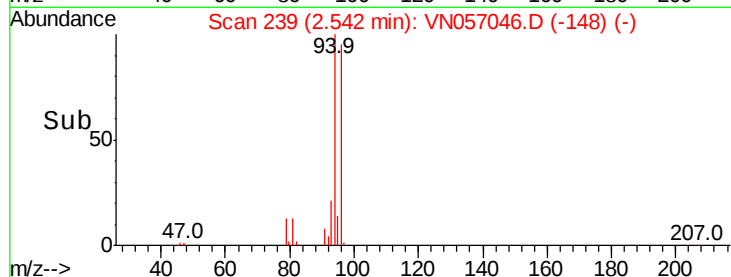
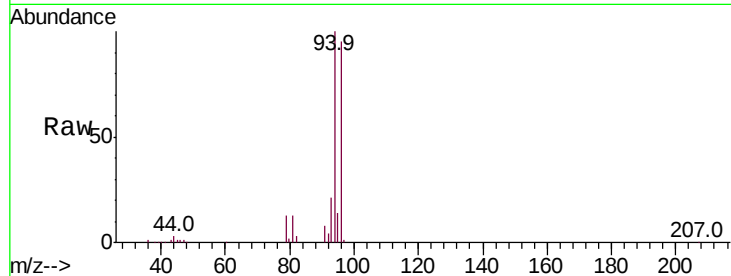
96 95.1 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 48.609 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057046.D

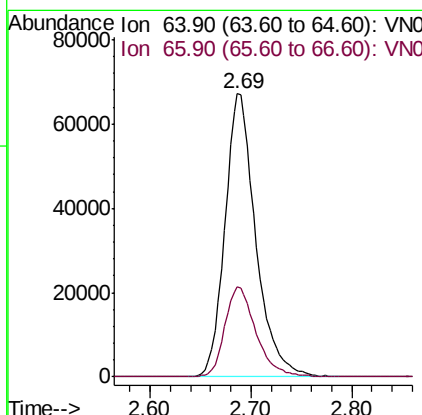
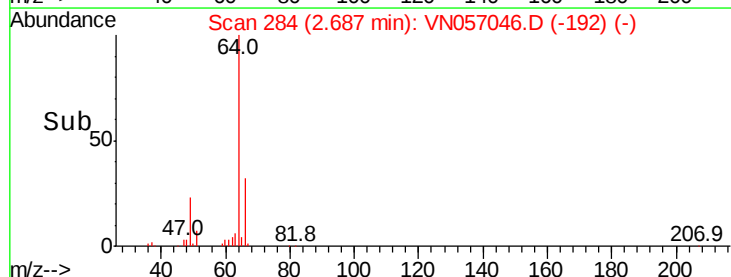
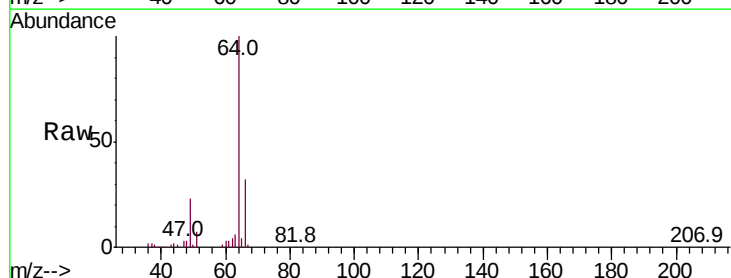
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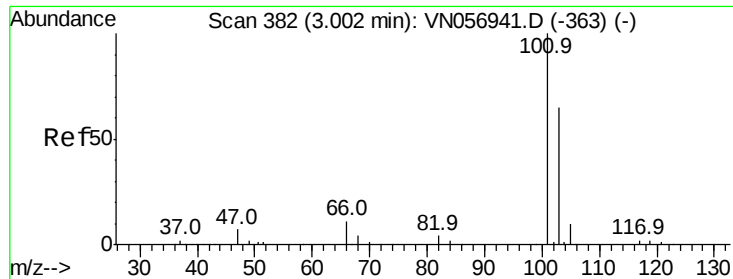
Tgt Ion: 64 Resp: 142558

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

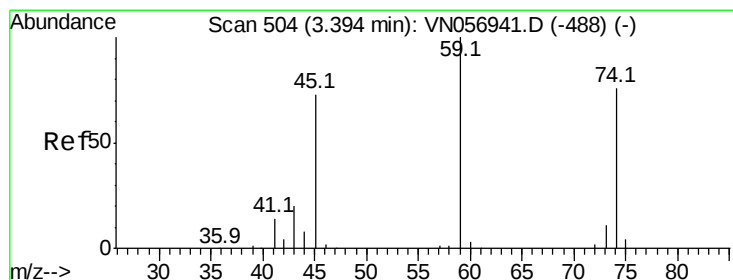
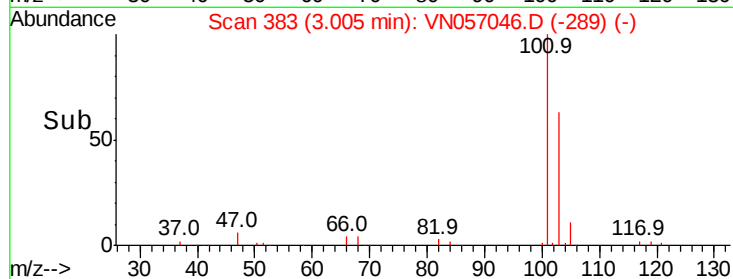
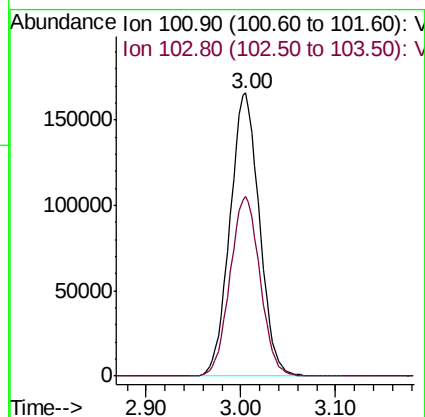
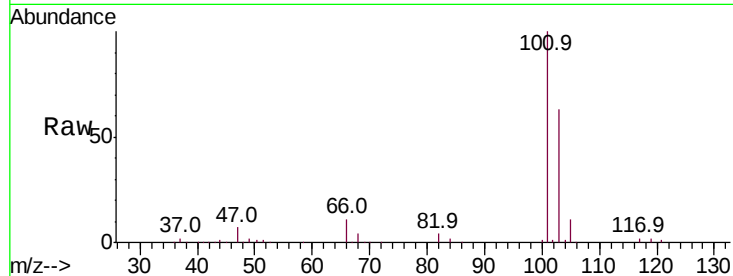
Trichlorofluoromethane
 Concen: 51.433 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
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 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion:101 Resp: 358190
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.1 78.1

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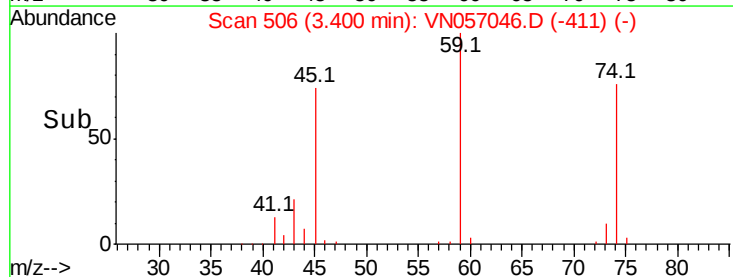
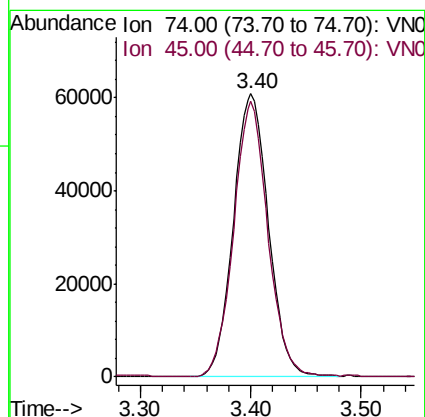
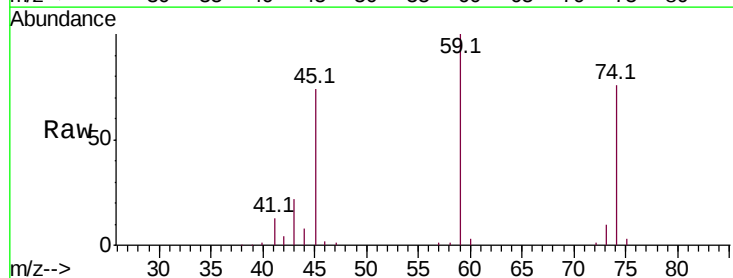
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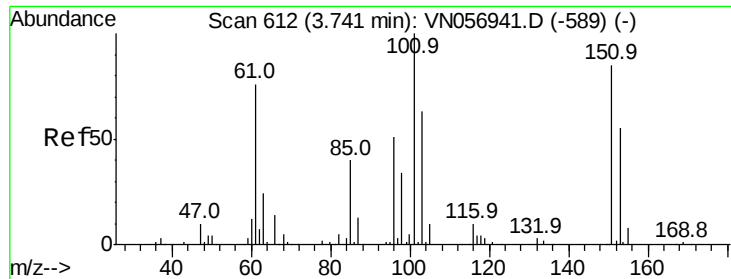


#8

Diethyl Ether
 Concen: 51.442 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion: 74 Resp: 134075
 Ion Ratio Lower Upper
 74 100
 45 94.9 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.601 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

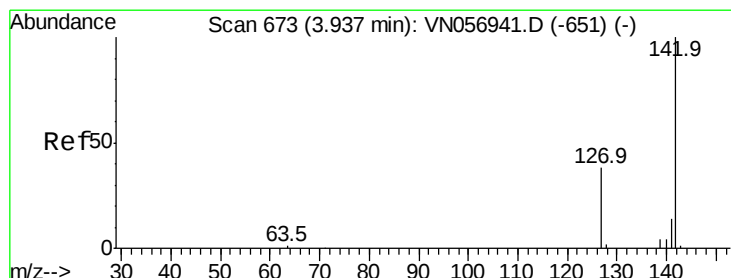
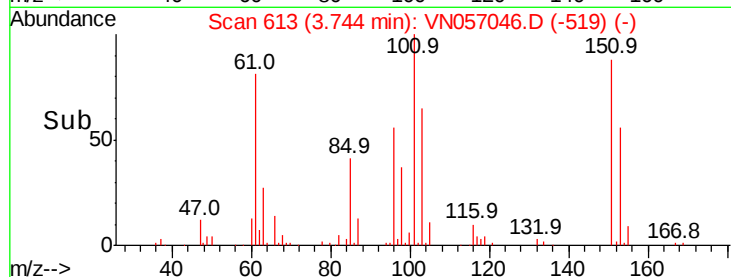
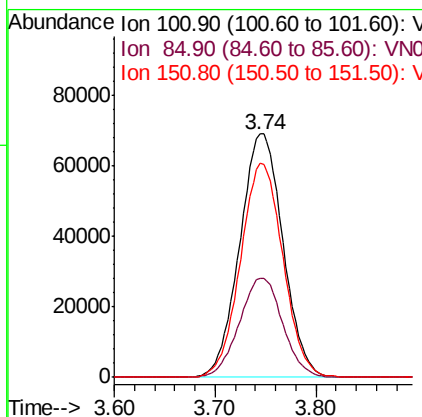
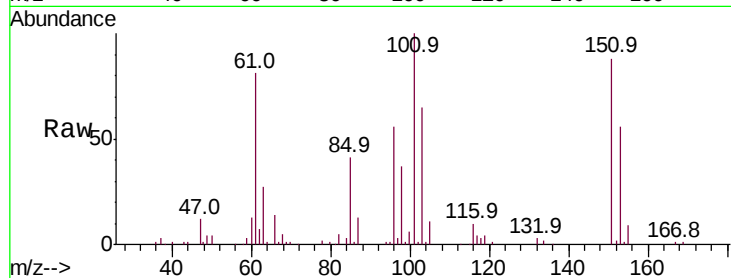
ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:	101	Resp:	205526
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.3	48.5
151	86.6	68.0	102.0

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#10

Methyl Iodide

Concen: 55.003 ug/l

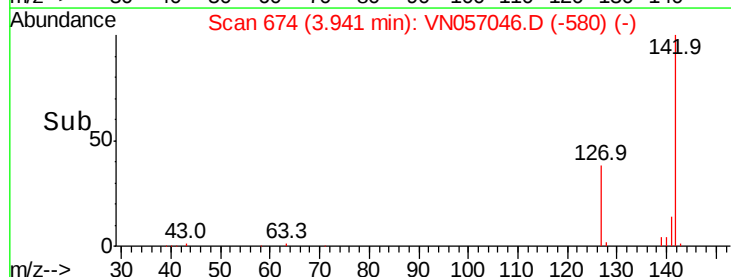
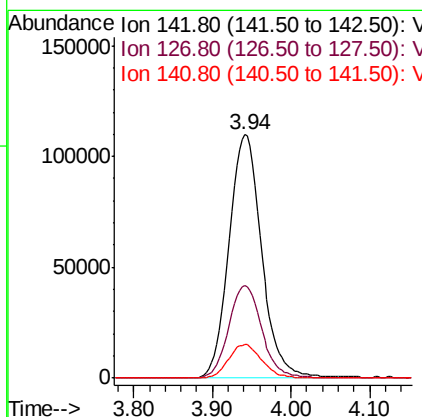
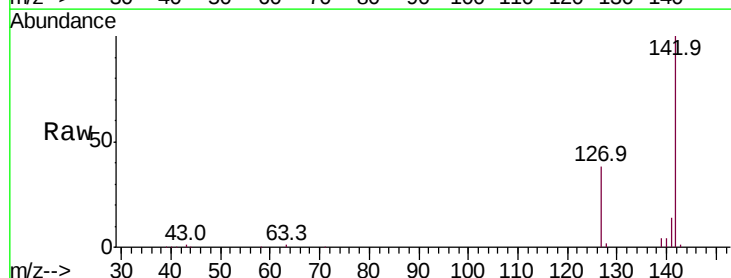
RT: 3.94 min Scan# 674

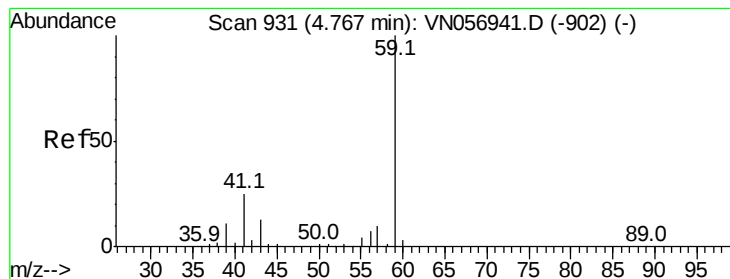
Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion:	142	Resp:	317334
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.4	45.6
141	14.1	11.1	16.7





#11

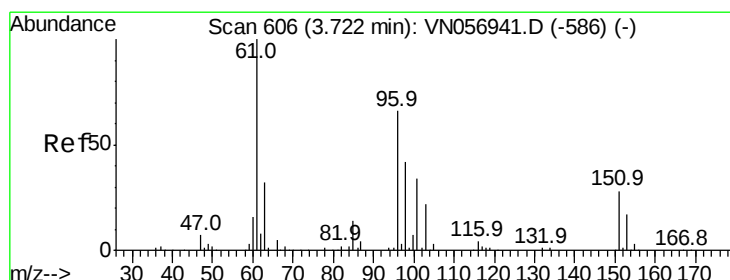
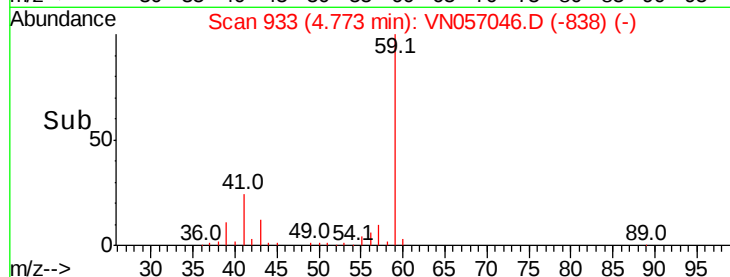
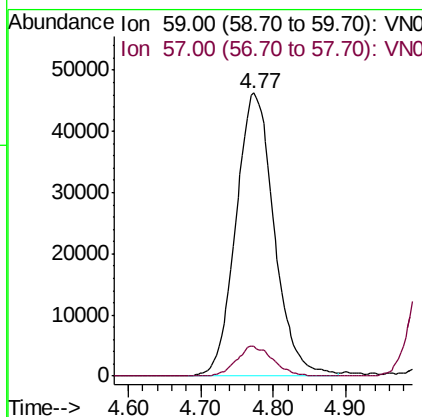
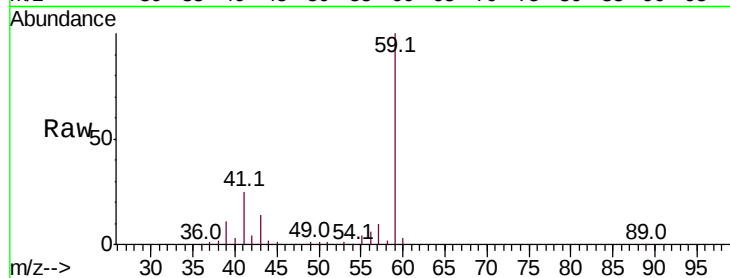
Tert butyl alcohol
 Concen: 262.633 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.5	11.3

Manual Integrations
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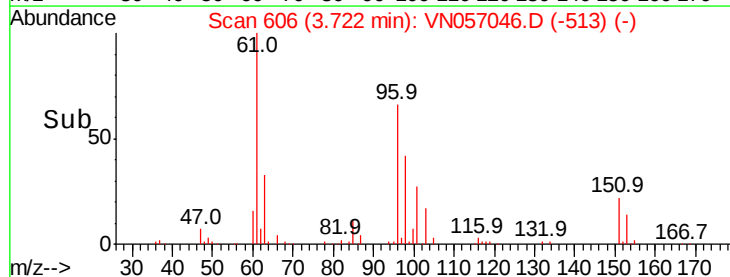
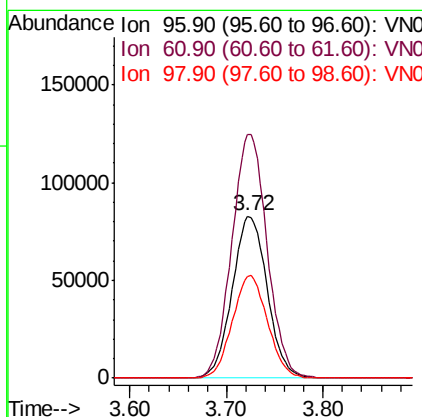
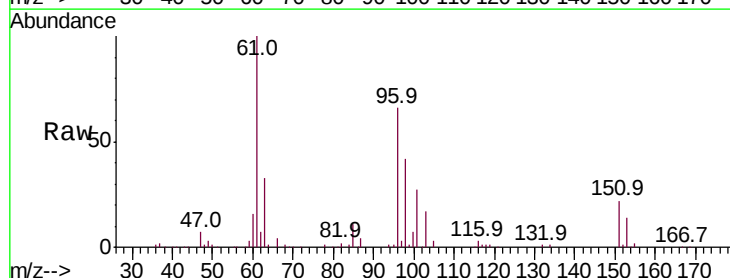
MMDadoda
 8/2/2019 11:18:10 AM

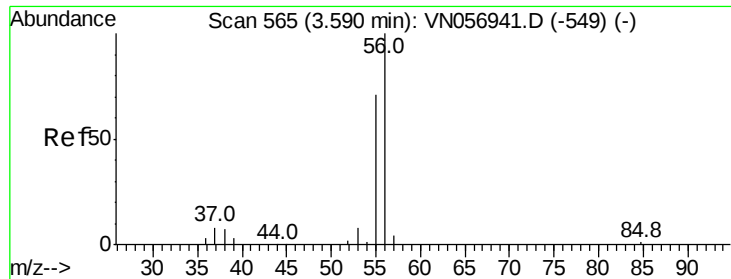


#12

1,1-Dichloroethene
 Concen: 50.639 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	121.8	182.8
98	62.9	51.7	77.5





#13

Acrolein

Concen: 275.413 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 56 Resp: 91535

Ion Ratio Lower Upper

56 100

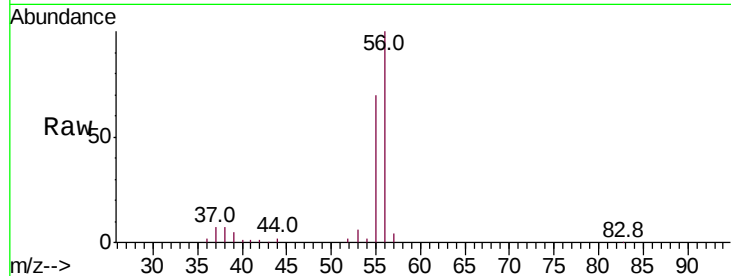
55 71.3 55.8 83.6

Manual Integrations

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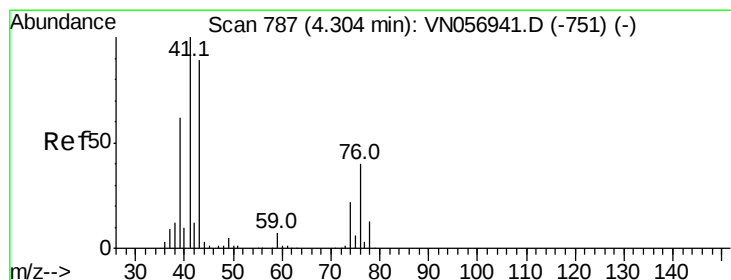
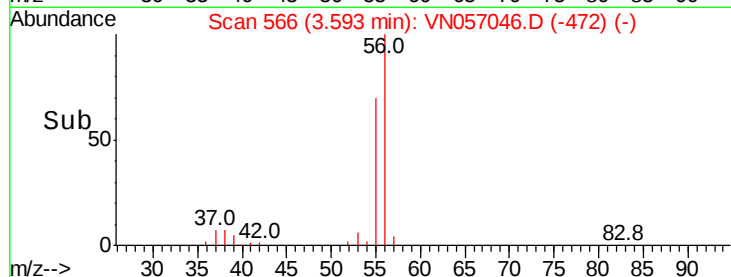
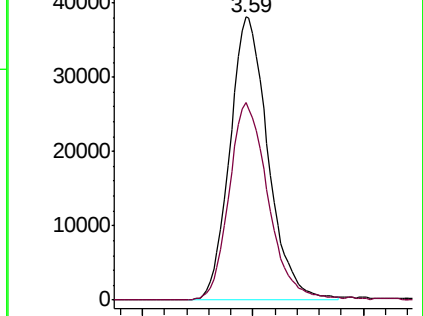
MMDadoda

8/2/2019 11:18:10 AM



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)



#14

Allyl chloride

Concen: 49.353 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

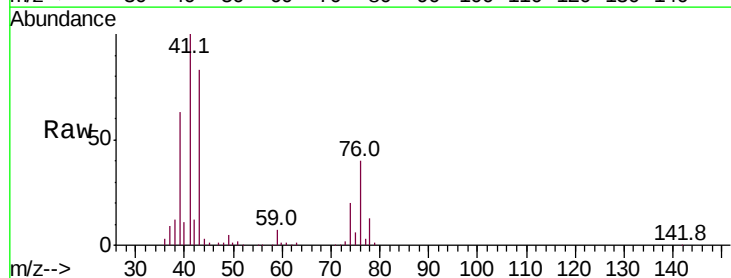
Tgt Ion: 41 Resp: 330735

Ion Ratio Lower Upper

41 100

39 59.1 46.4 69.6

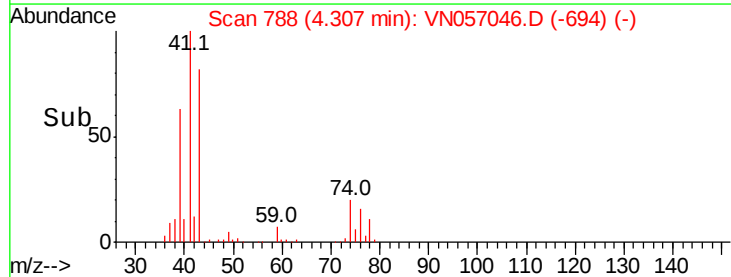
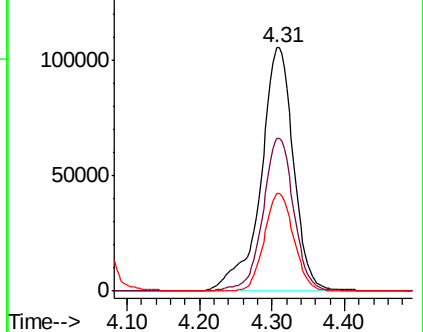
76 36.2 28.4 42.6

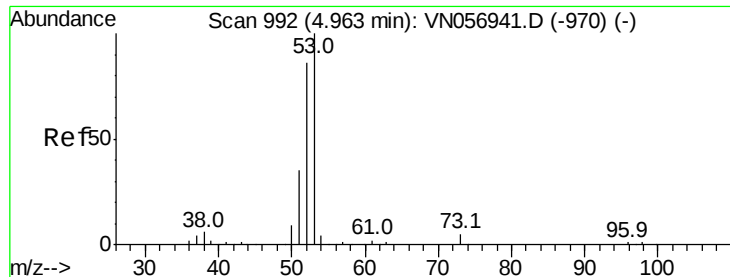


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)





#15

Acrylonitrile

Concen: 263.976 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

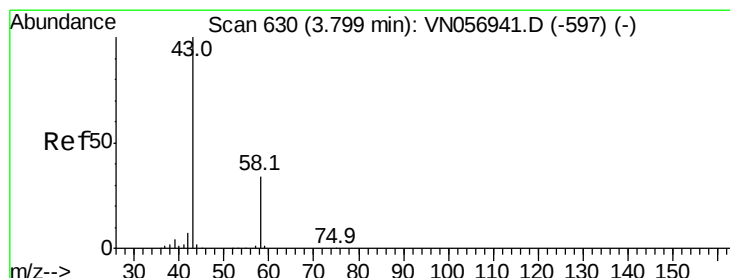
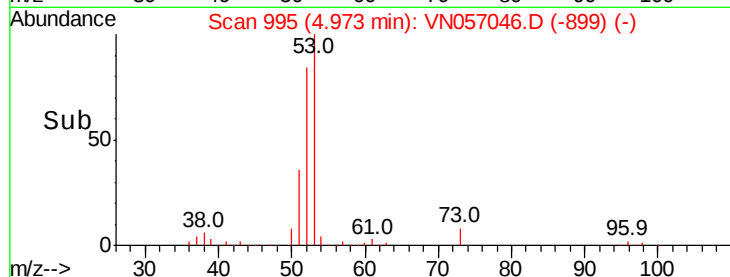
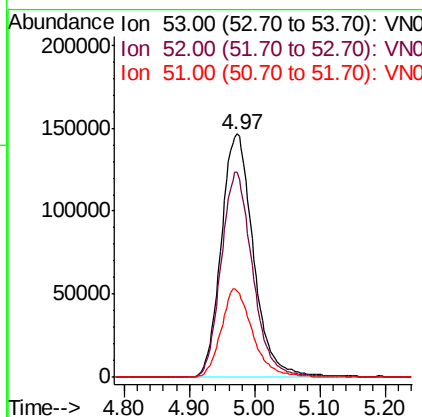
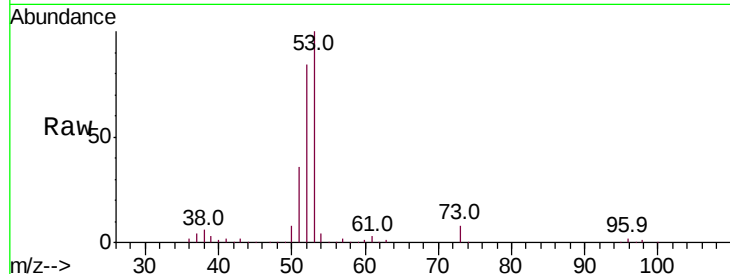
ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:	53	Resp:	502019
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.5	99.7
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 216.834 ug/l

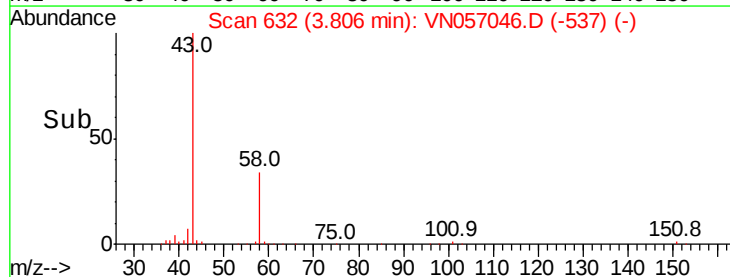
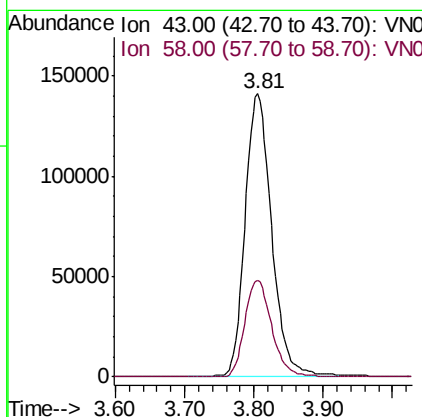
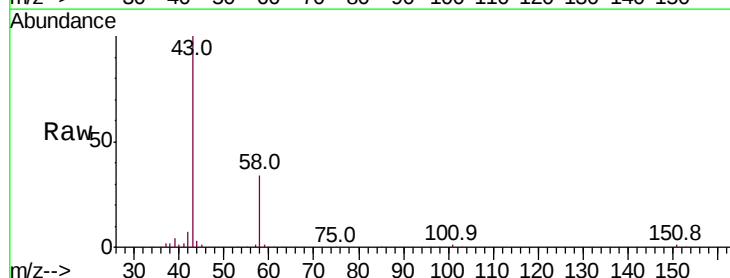
RT: 3.81 min Scan# 632

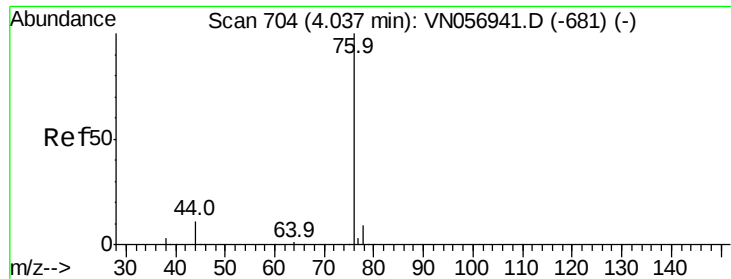
Delta R.T. 0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion:	43	Resp:	376881
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.2	40.8





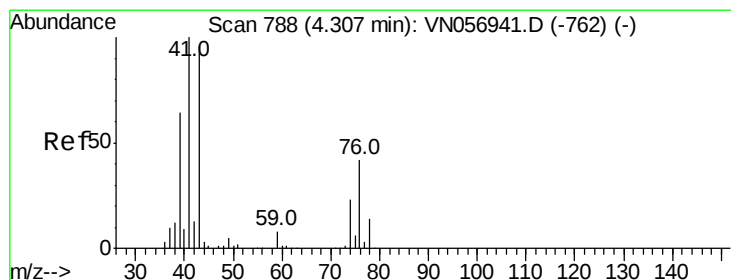
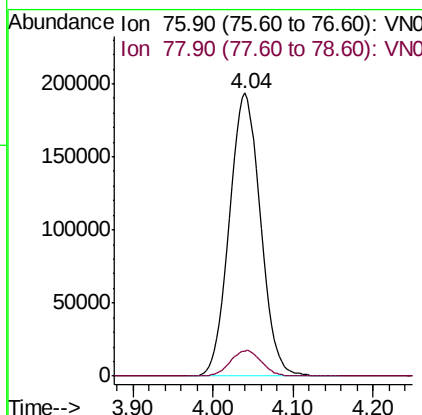
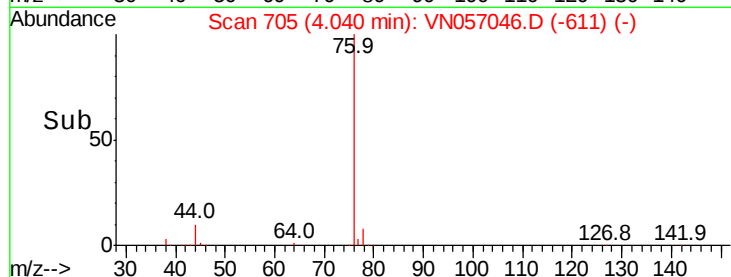
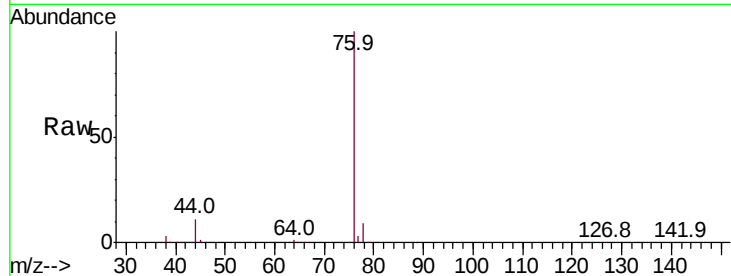
#17
Carbon Disulfide
Concen: 46.670 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion: 76 Resp: 510901
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

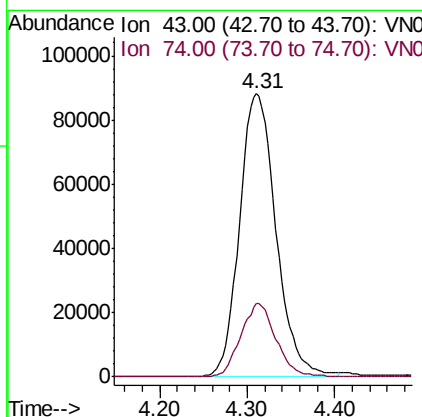
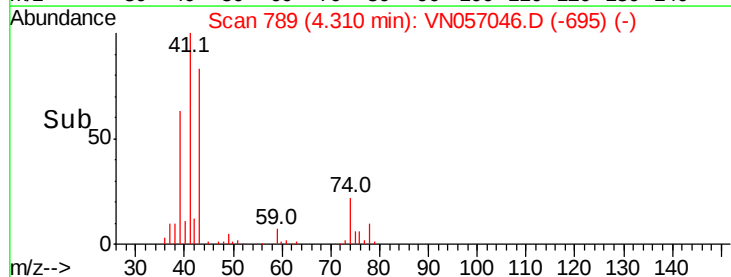
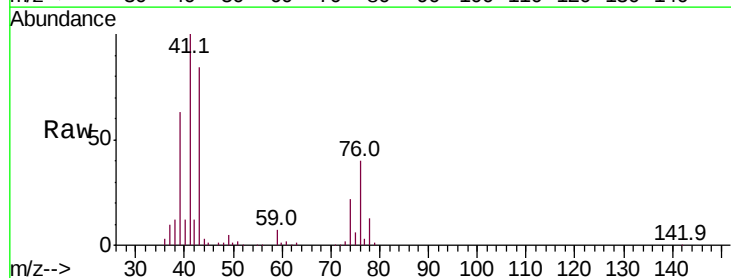
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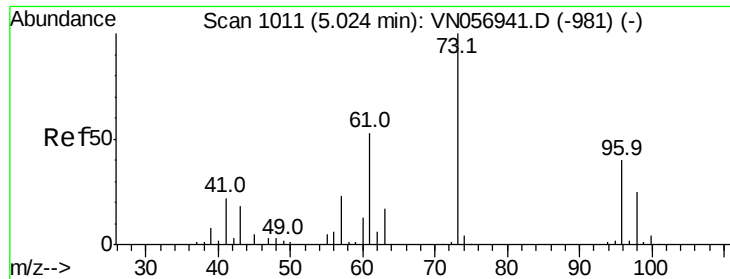
MMDadoda
8/2/2019 11:18:10 AM



#18
Methyl Acetate
Concen: 45.651 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion: 43 Resp: 253123
Ion Ratio Lower Upper
43 100
74 25.2 19.7 29.5





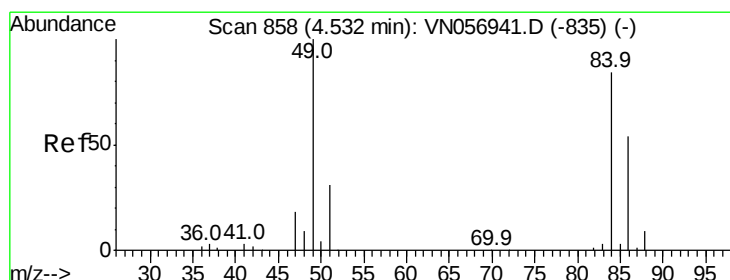
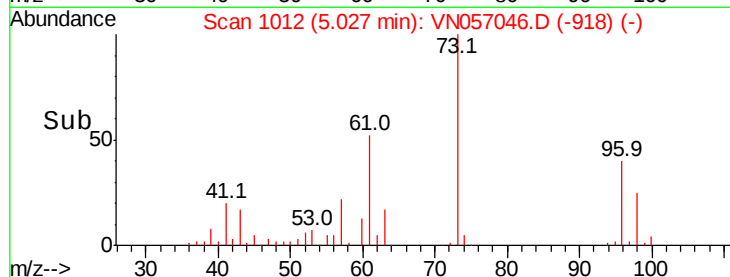
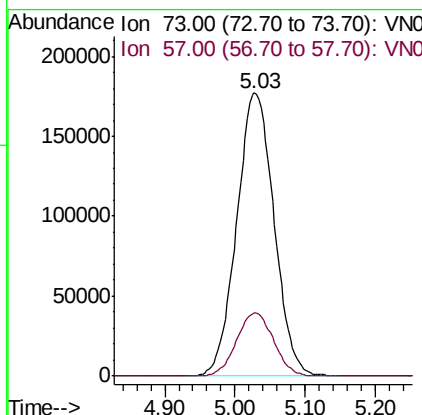
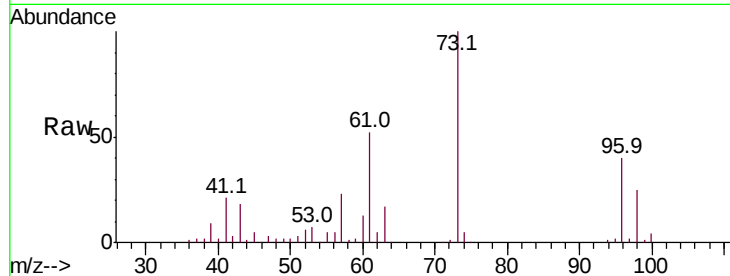
#19
Methvl tert-butvl Ether
Concen: 53.155 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion: 73 Resp: 652960
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

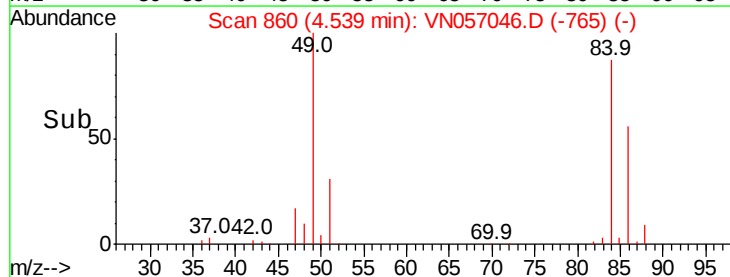
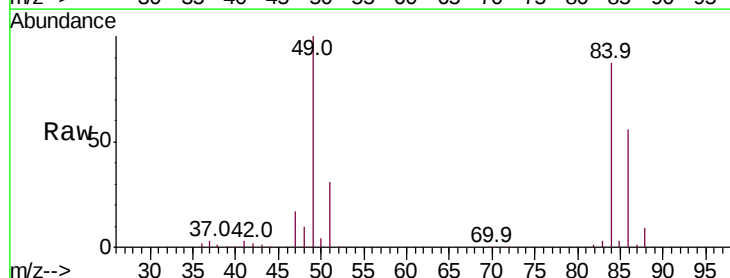
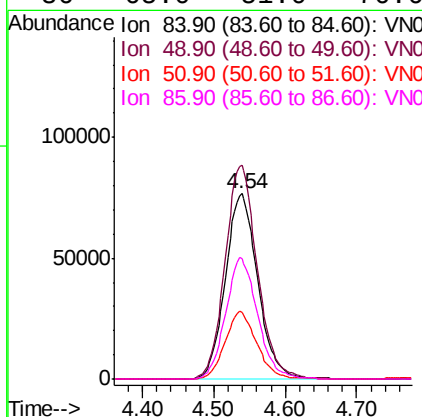
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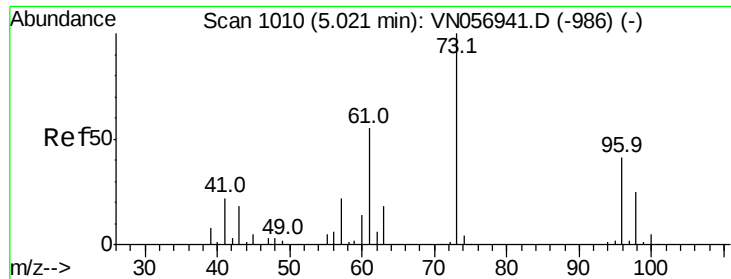
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#20
Methylene Chloride
Concen: 48.432 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion: 84 Resp: 242487
Ion Ratio Lower Upper
84 100
49 115.5 95.2 142.8
51 36.1 29.7 44.5
86 65.0 51.0 76.6





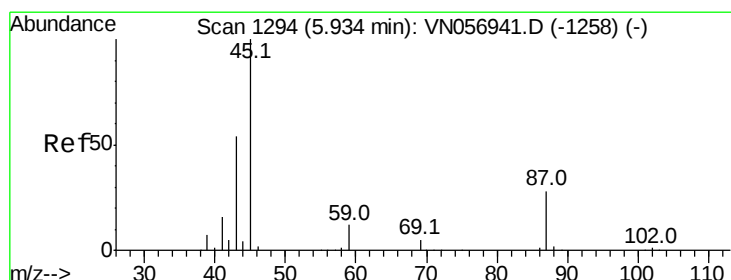
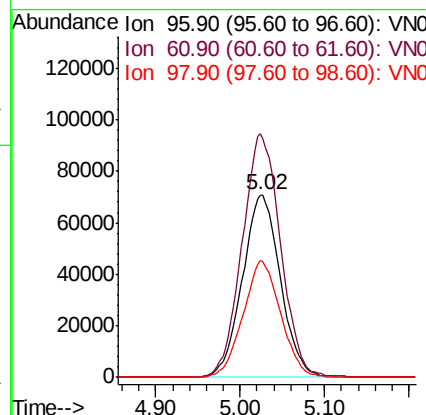
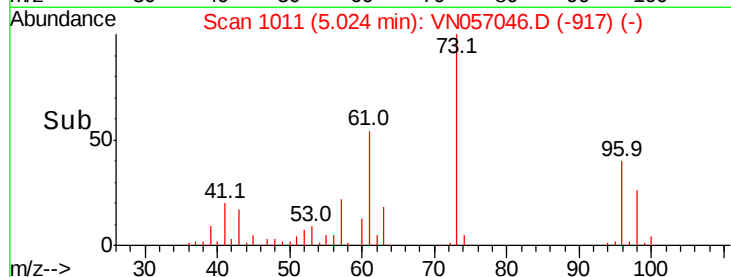
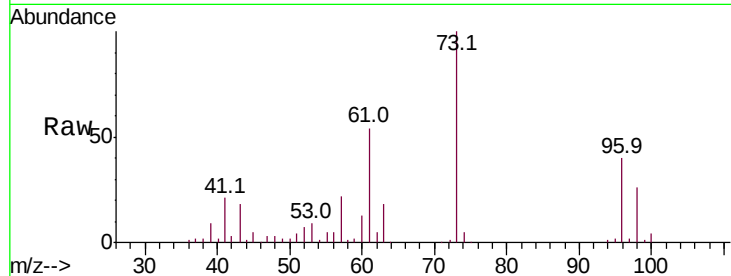
#21
trans-1,2-Dichloroethene
Concen: 50.616 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	107.5	161.3
98	63.8	49.9	74.9

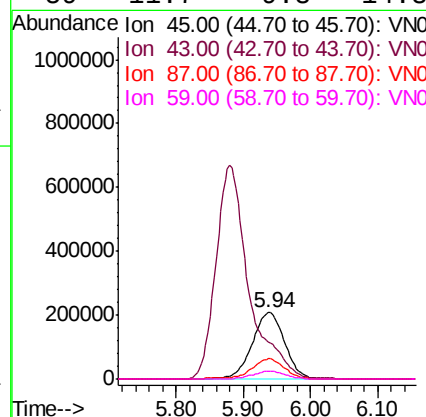
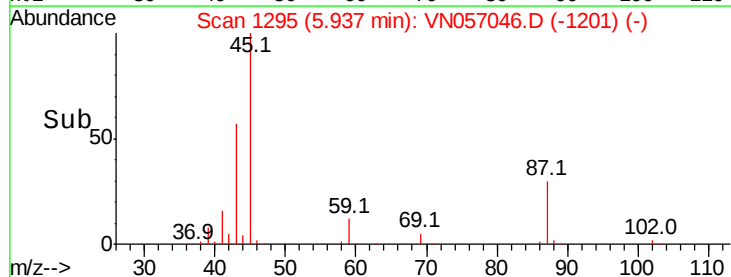
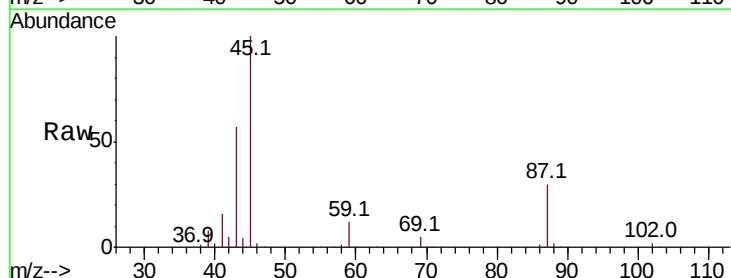
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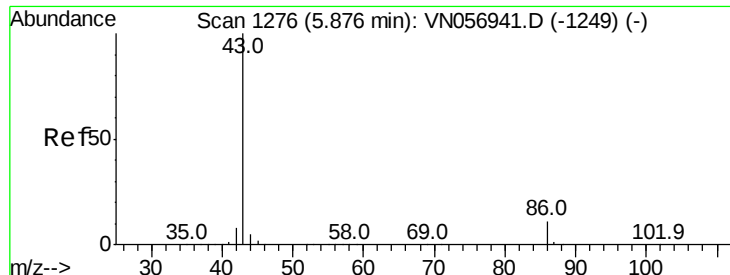
MMDadoda
8/2/2019 11:18:10 AM



#22
Diisopropyl ether
Concen: 50.601 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	44.7	67.1
87	30.1	23.0	34.6
59	11.7	9.8	14.8





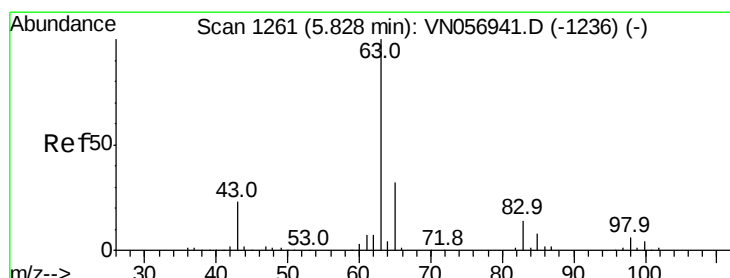
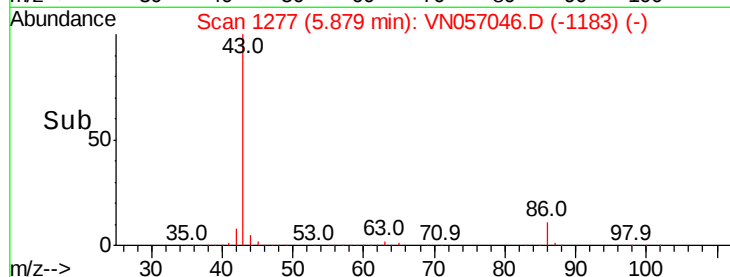
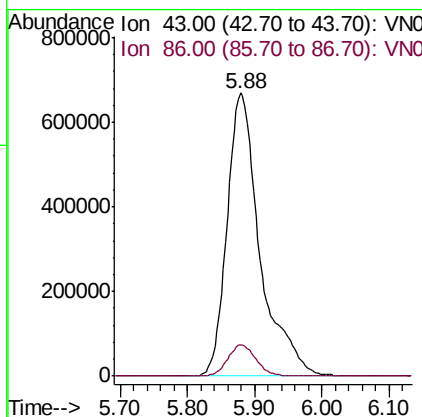
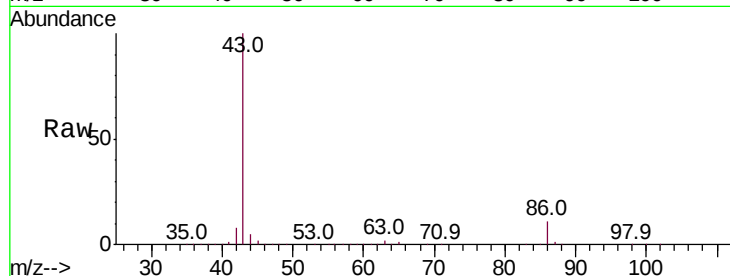
#23
 Vinyl Acetate
 Concen: 237.757 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion: 43 Resp: 2274568
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.5 12.7

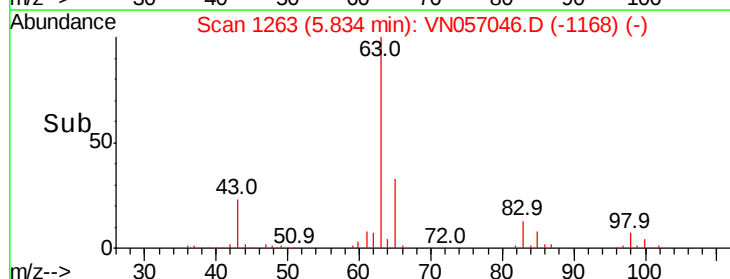
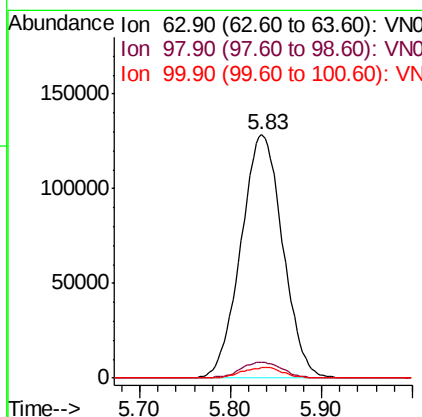
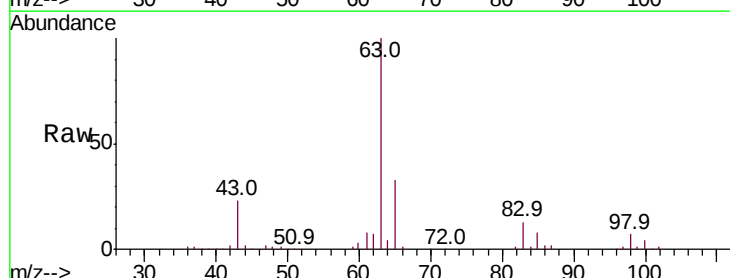
Manual Integrations
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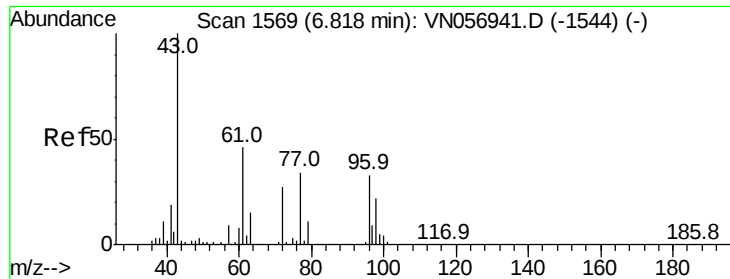
MMDadoda
 8/2/2019 11:18:10 AM



#24
 1,1-Dichloroethane
 Concen: 50.389 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion: 63 Resp: 410502
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.2 9.6
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 243.338 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 43 Resp: 599741

Ion Ratio Lower Upper

43 100

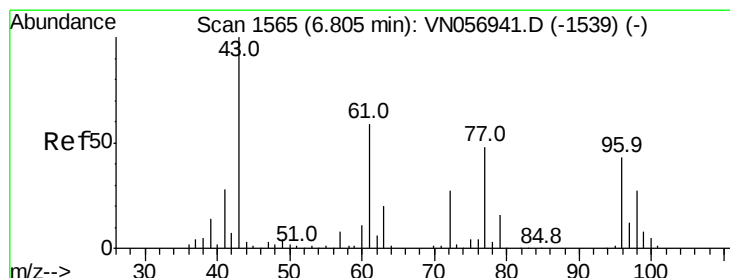
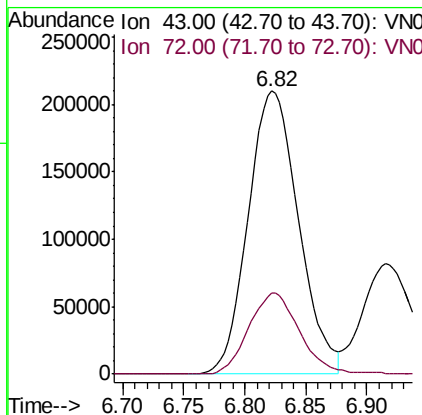
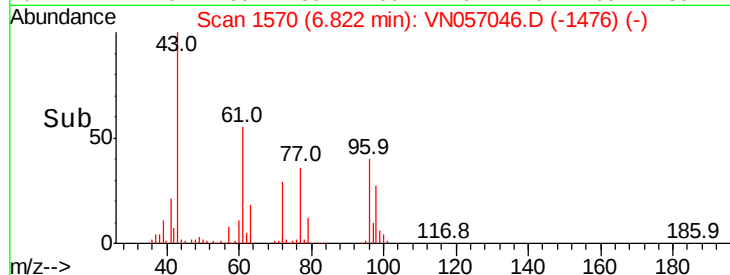
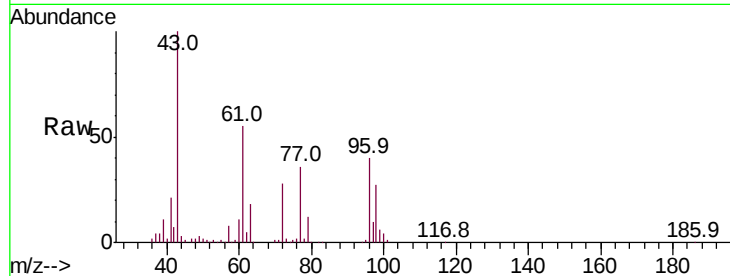
72 28.5 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 43.529 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057046.D

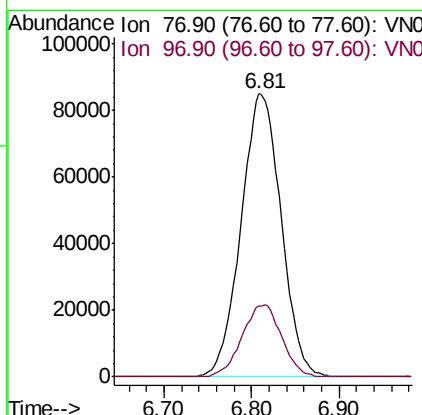
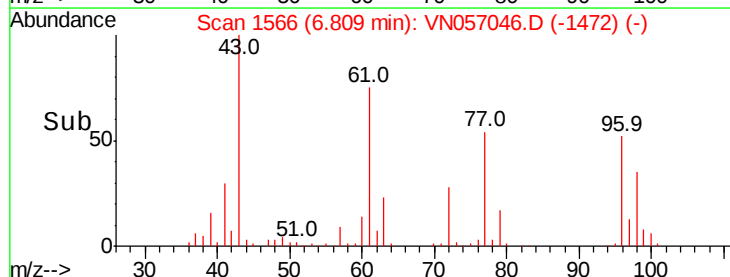
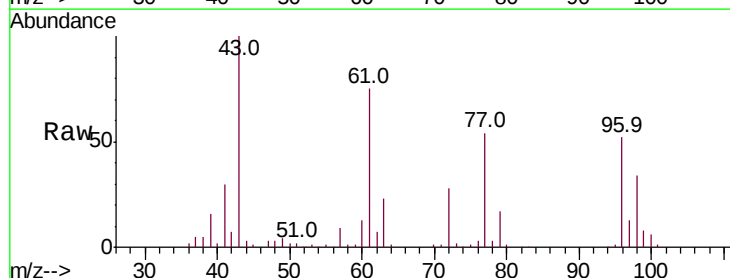
Acq: 1 Aug 2019 18:41

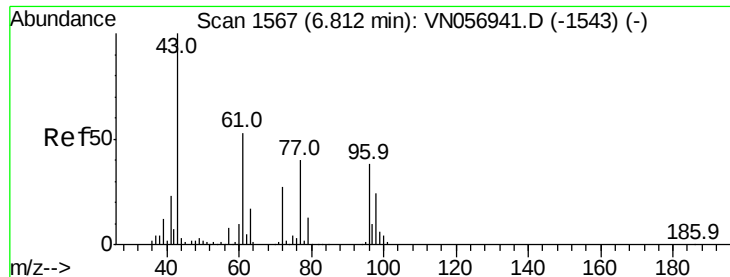
Tgt Ion: 77 Resp: 269638

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.039 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057046.D

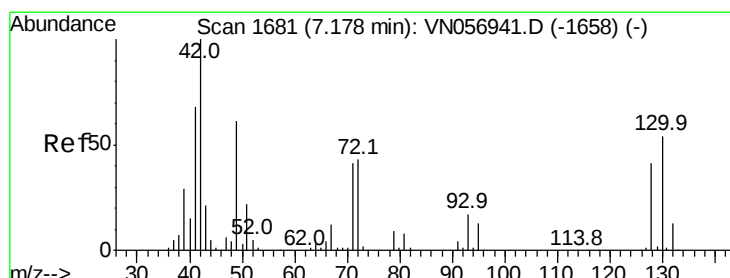
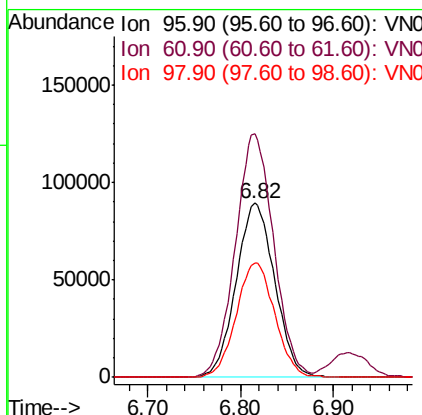
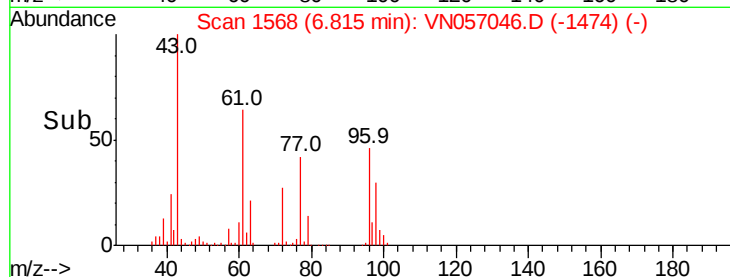
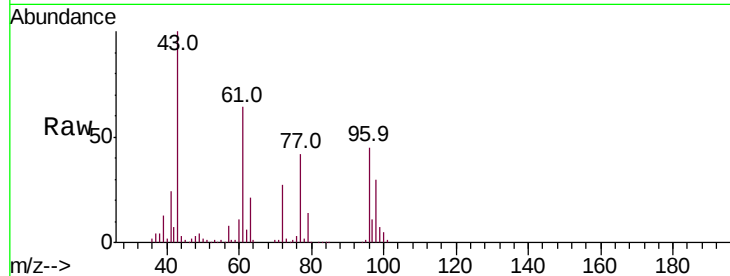
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	258951		
61	138.6	0.0	277.2	
98	65.6	0.0	128.4	

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#28

Bromochloromethane

Concen: 50.385 ug/l

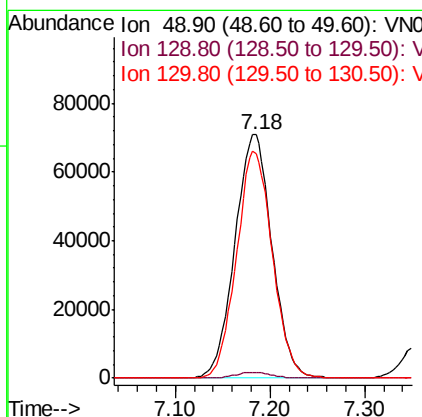
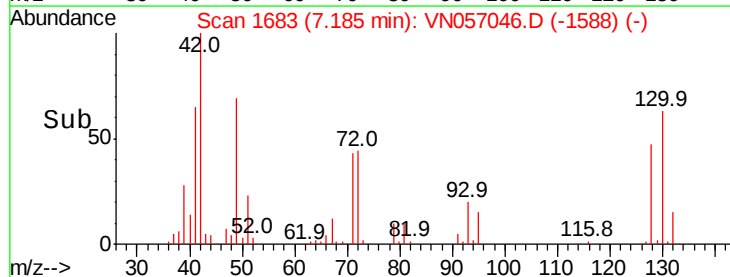
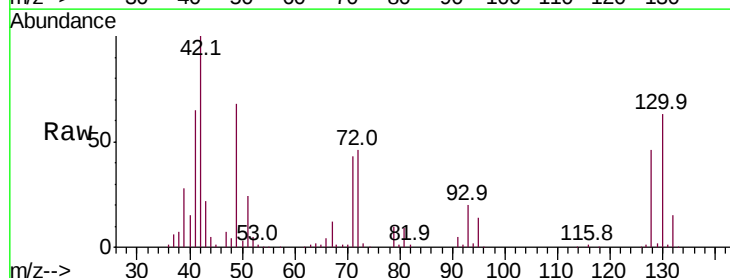
RT: 7.18 min Scan# 1683

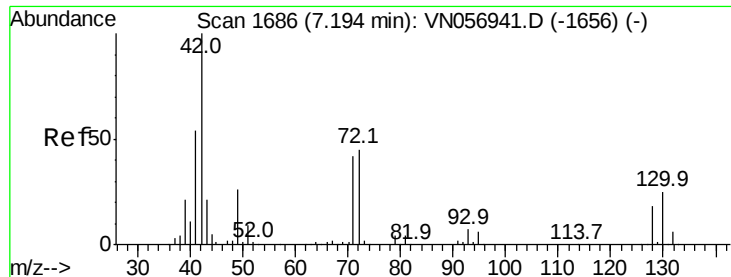
Delta R.T. 0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	192939		
129	2.3	0.0	4.6	
130	90.2	69.0	103.4	





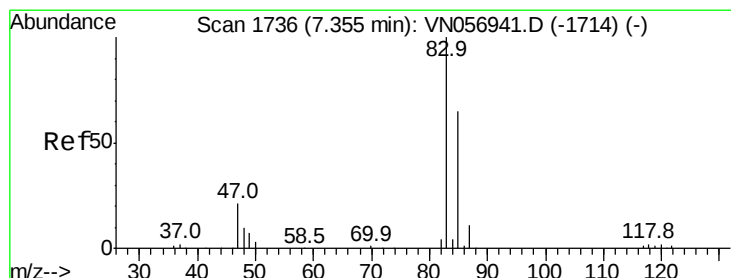
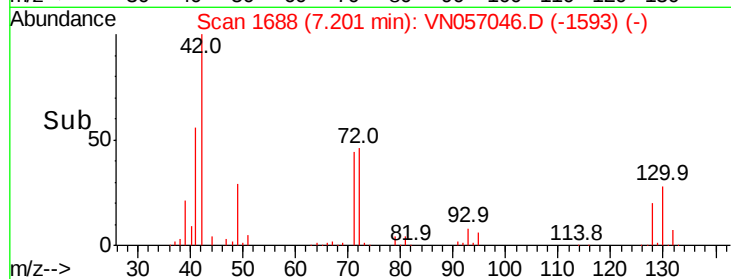
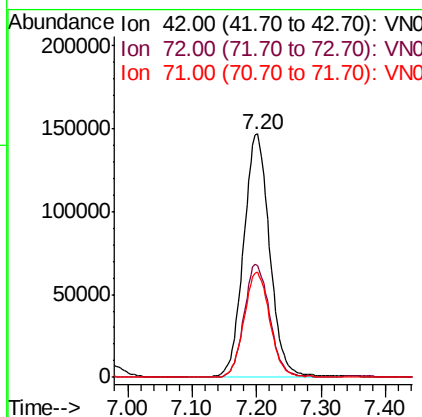
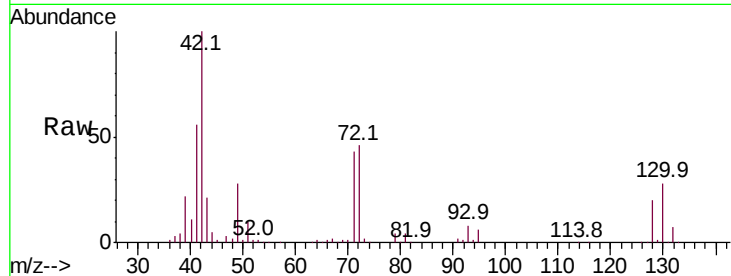
#29
Tetrahydrofuran
Concen: 257.156 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion:	42	Resp:	413518
Ion Ratio		Lower	Upper
42	100		
72	45.8	35.6	53.4
71	42.5	33.5	50.3

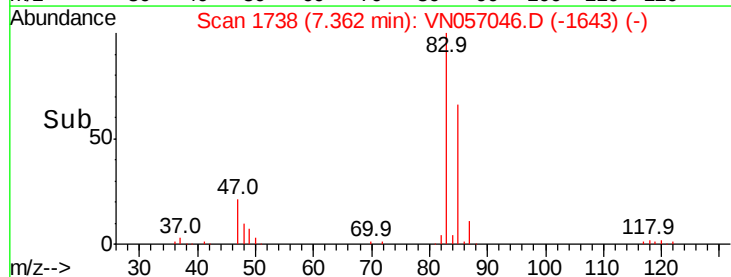
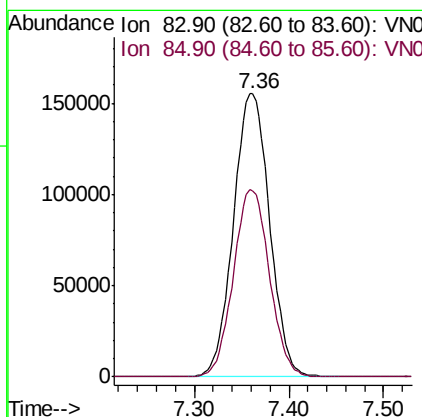
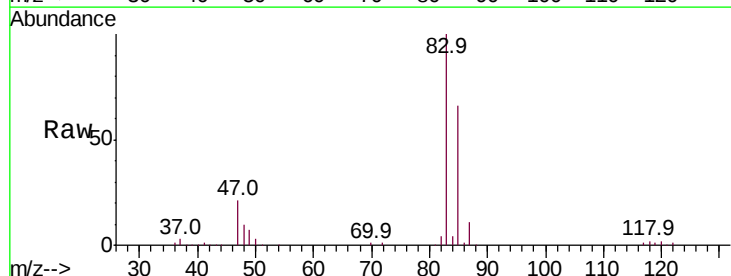
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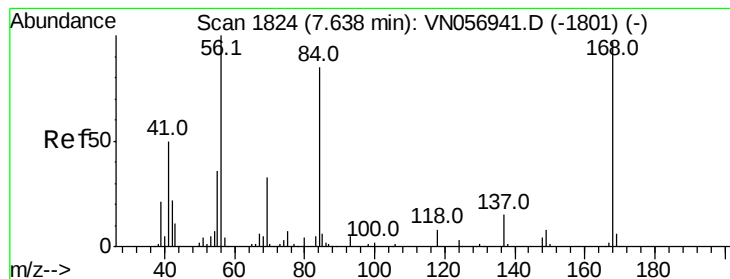
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#30
Chloroform
Concen: 49.600 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion:	83	Resp:	413138
Ion Ratio		Lower	Upper
83	100		
85	65.8	52.2	78.2





#31

Cyclohexane

Concen: 45.509 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 56 Resp: 358762

Ion Ratio Lower Upper

56 100

69 34.2 26.2 39.2

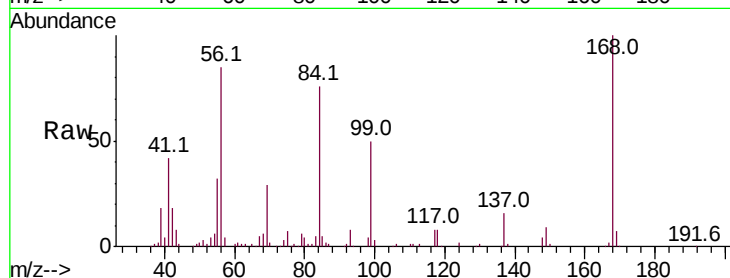
84 88.5 68.2 102.2

Manual Integrations

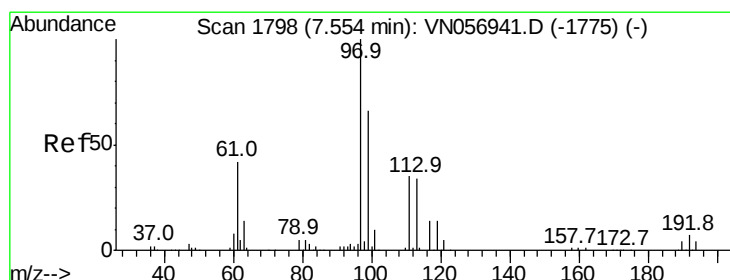
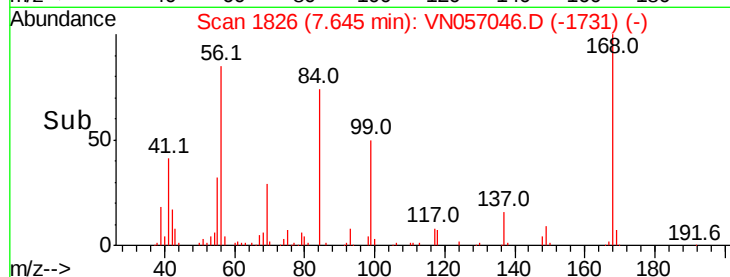
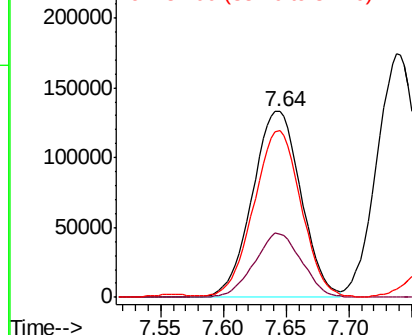
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 52.603 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

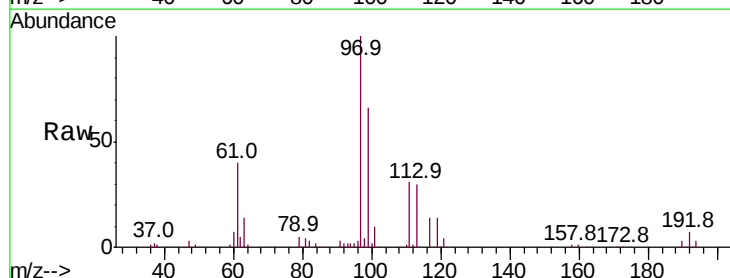
Tgt Ion: 97 Resp: 349598

Ion Ratio Lower Upper

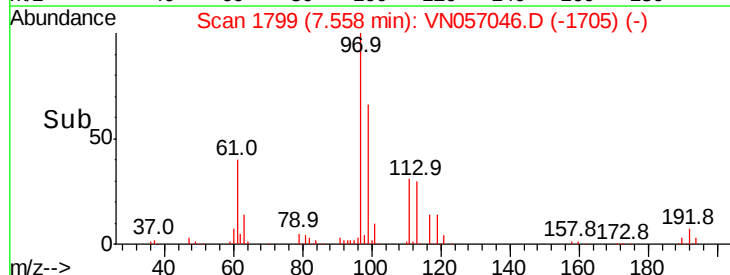
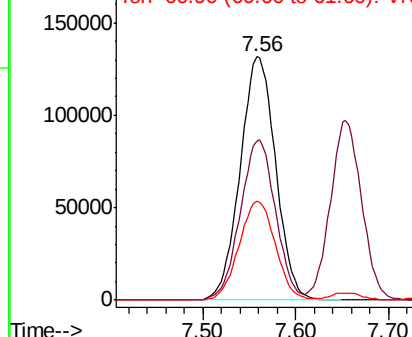
97 100

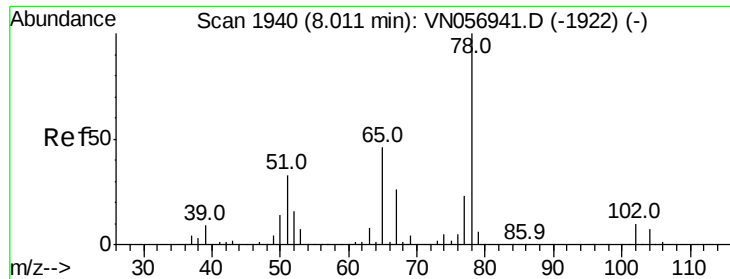
99 65.4 52.3 78.5

61 41.4 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





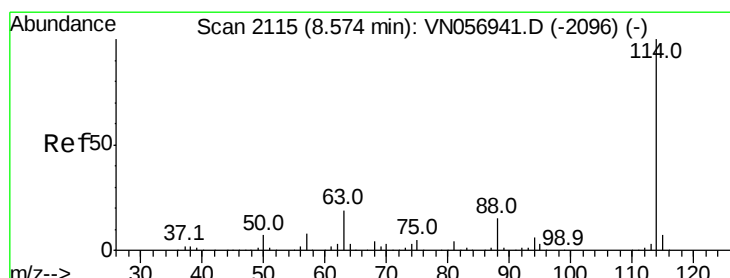
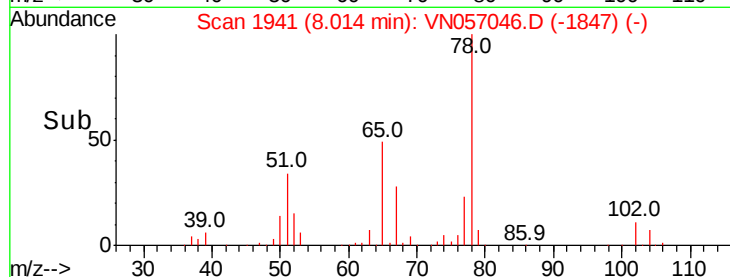
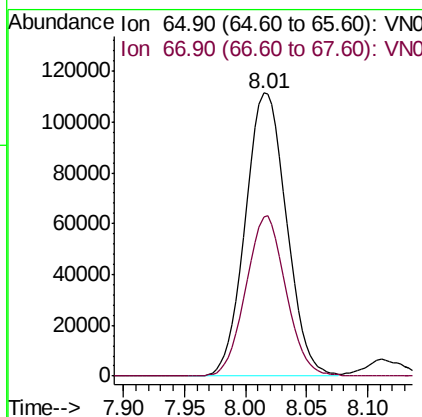
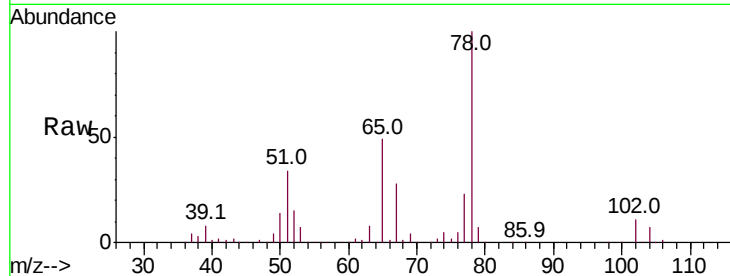
#33
 1,2-Dichloroethane-d4
 Concen: 54.249 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion: 65 Resp: 260272
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 112.0

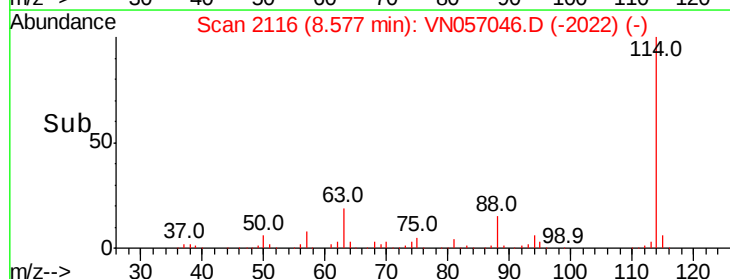
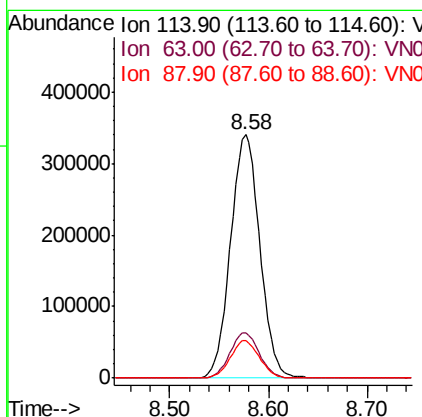
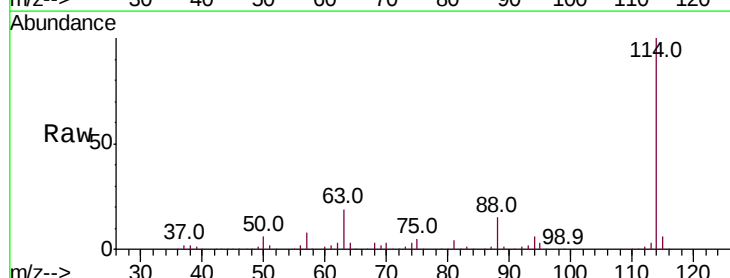
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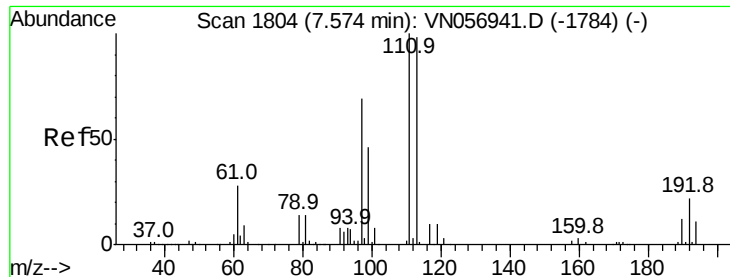
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion: 114 Resp: 701575
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.0
 88 15.3 0.0 30.0





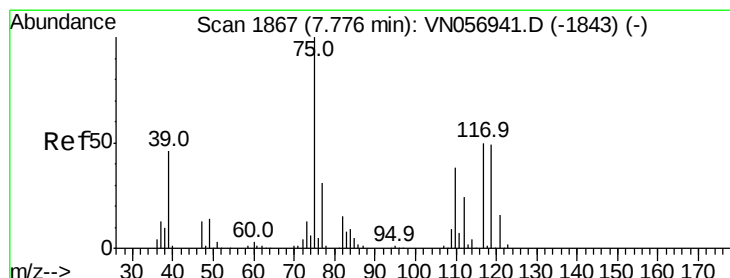
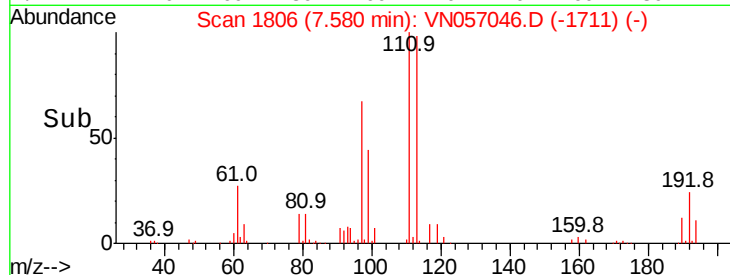
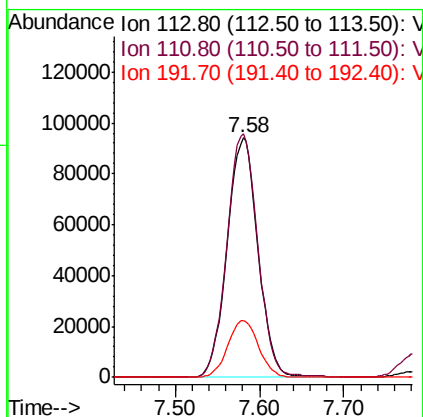
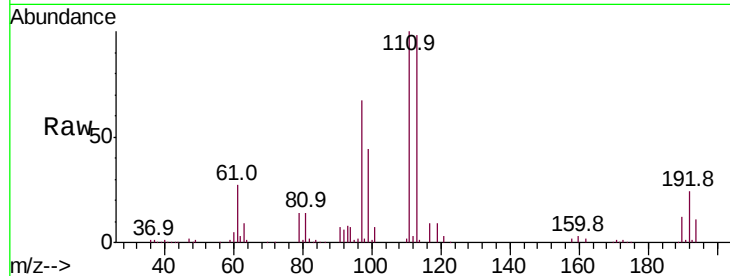
#35
 Dibromofluoromethane
 Concen: 53.406 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	82.0	123.0	
192	23.6	18.4	27.6	

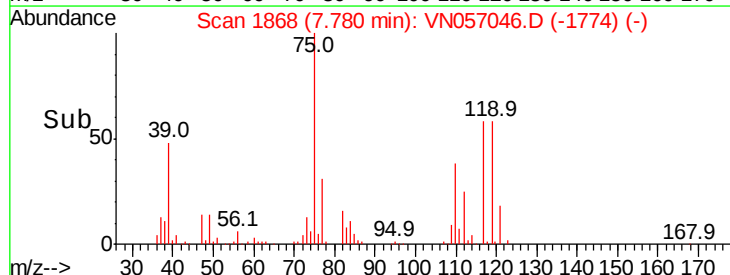
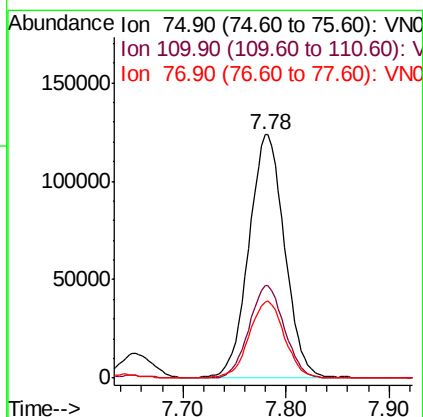
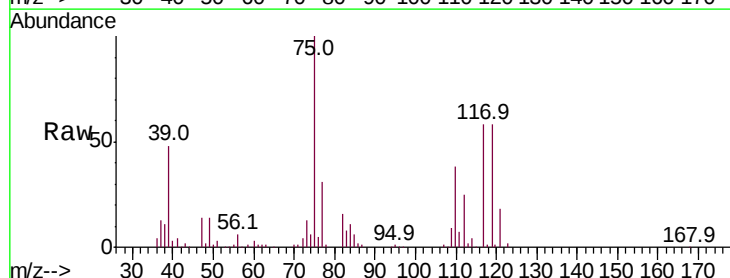
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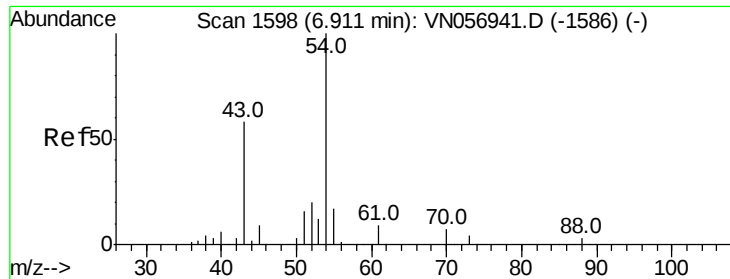
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#36
 1,1-Dichloropropene
 Concen: 47.998 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.6	55.8	
77	31.5	25.2	37.8	





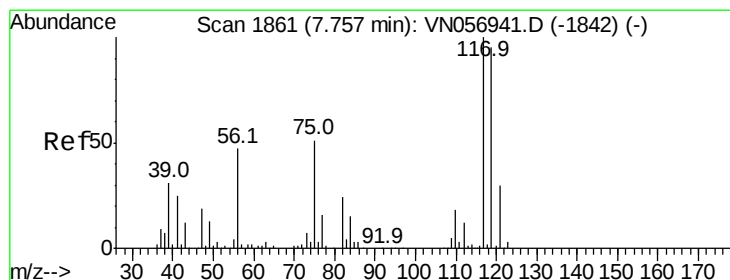
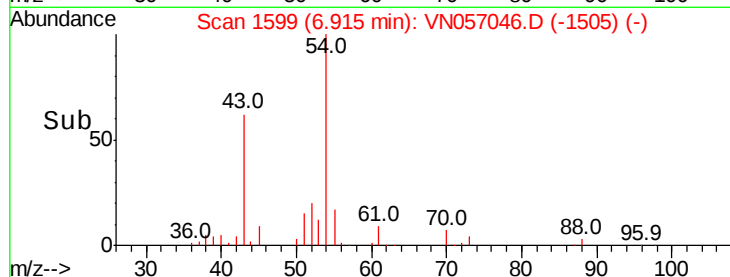
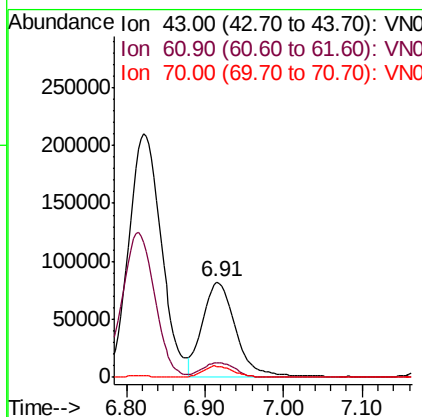
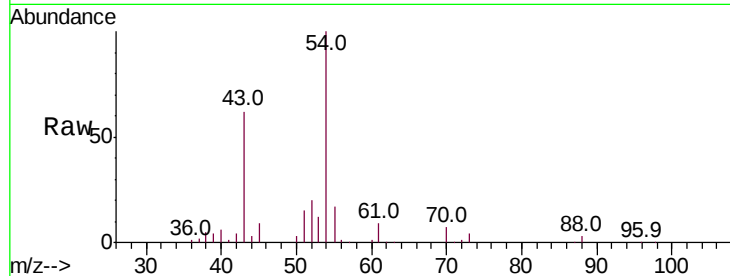
#37
Ethyl Acetate
Concen: 47.914 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	11.2	8.5	12.7

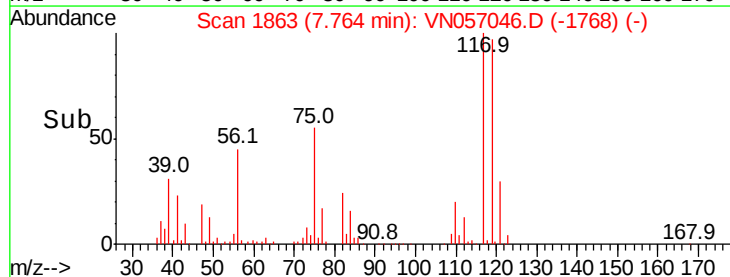
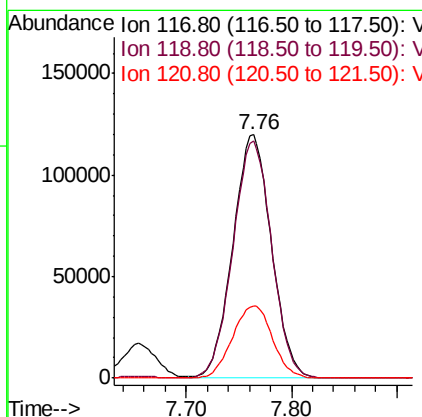
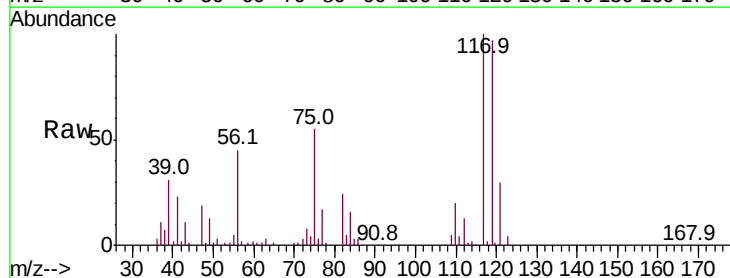
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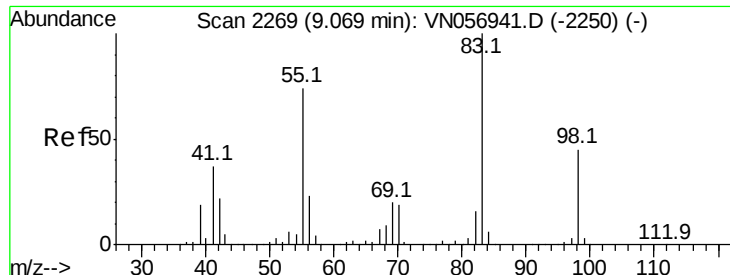
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.179 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.3	112.9
121	29.6	24.2	36.4





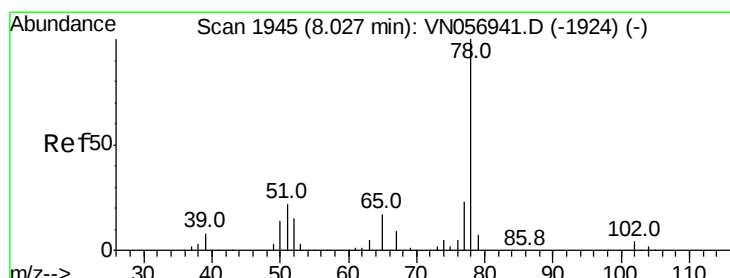
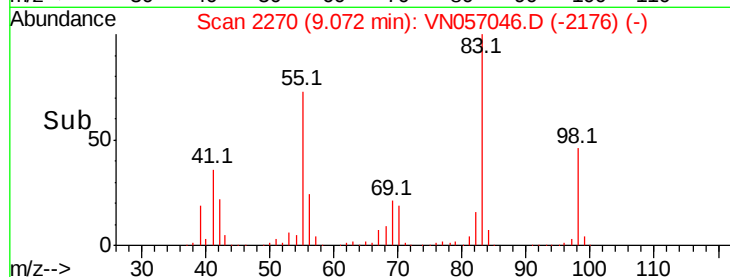
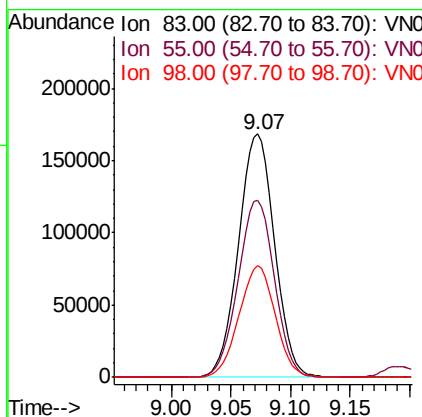
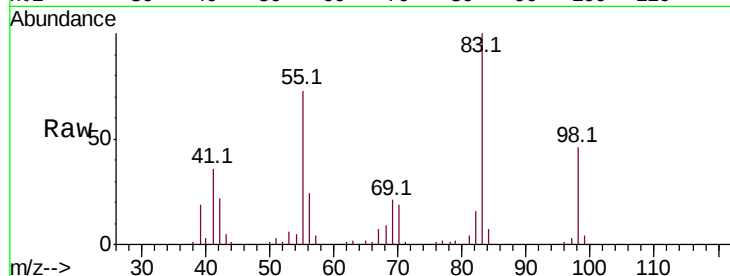
#39
Methvlcvclohexane
Concen: 44.953 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.0	88.6
98	45.8	36.2	54.4

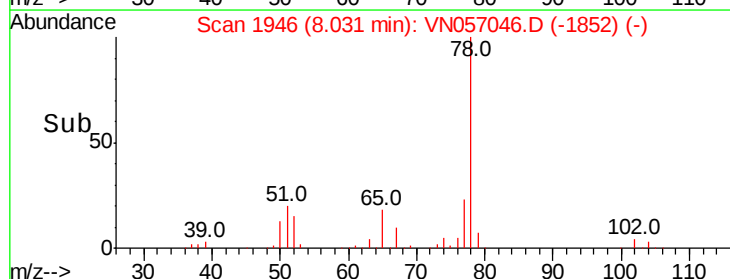
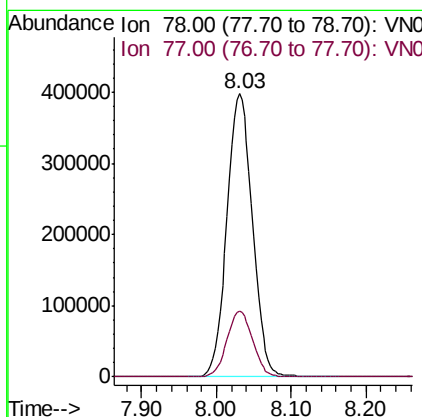
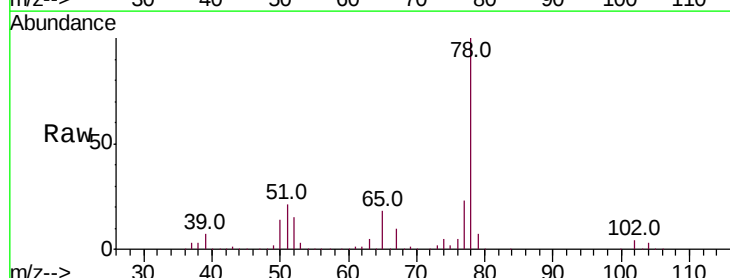
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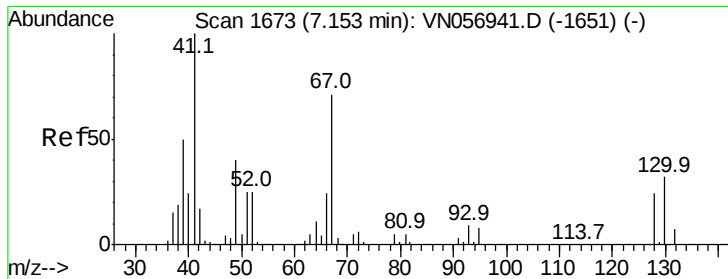
MMDadoda
8/2/2019 11:18:10 AM



#40
Benzene
Concen: 49.585 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





#41

Methacrylonitrile

Concen: 48.426 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 41 Resp: 110689

Ion Ratio Lower Upper

41 100

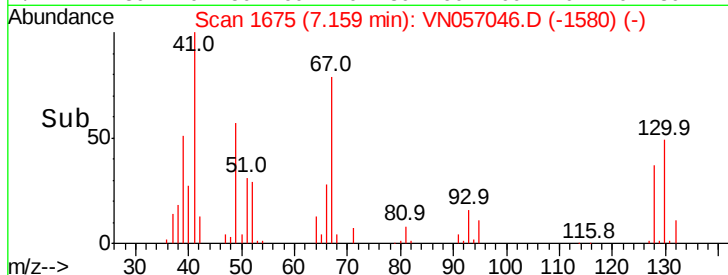
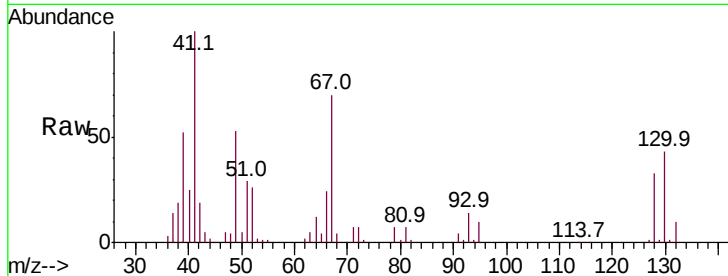
39 56.9 48.9 73.3

67 101.5 83.4 125.0

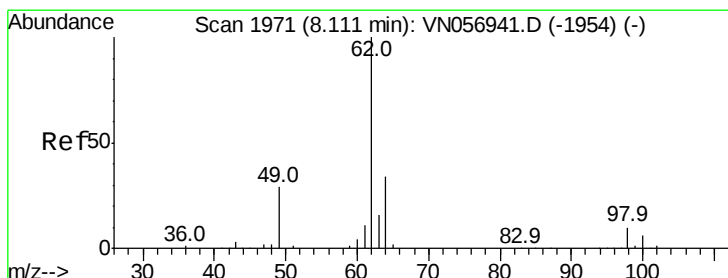
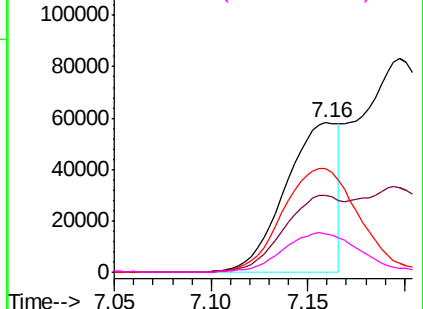
52 37.6 30.9 46.3

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



#42

1,2-Dichloroethane

Concen: 50.417 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057046.D

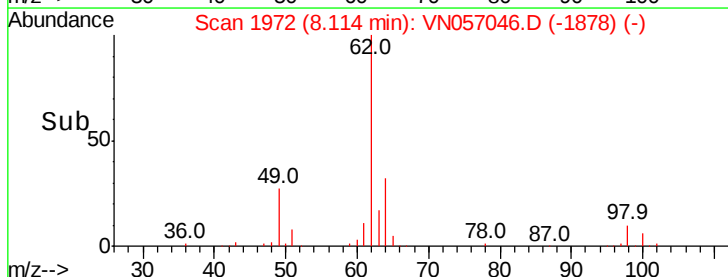
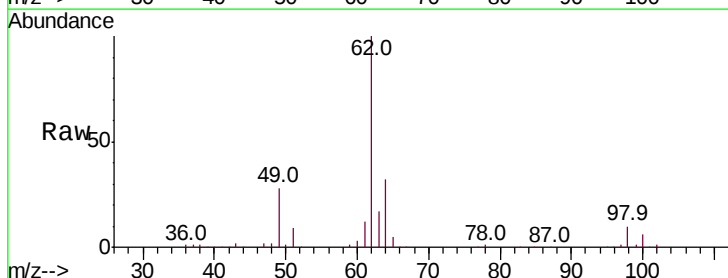
Acq: 1 Aug 2019 18:41

Tgt Ion: 62 Resp: 300444

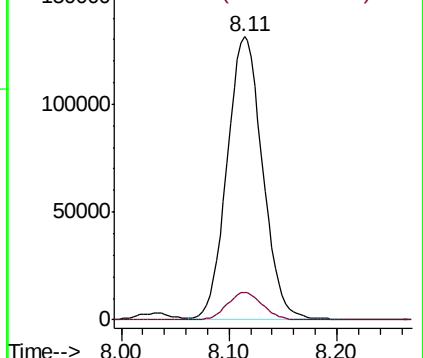
Ion Ratio Lower Upper

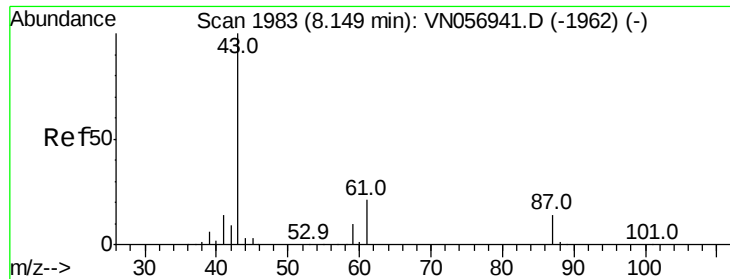
62 100

98 9.7 0.0 20.6



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





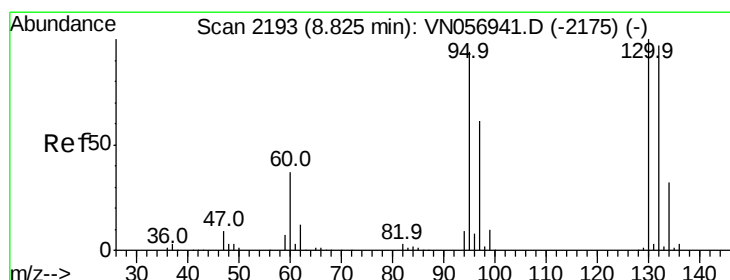
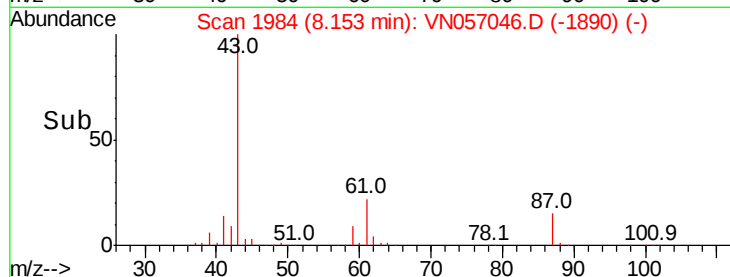
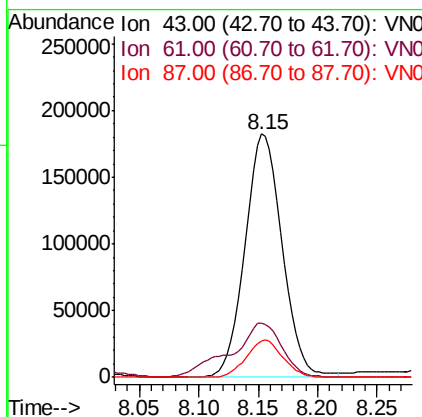
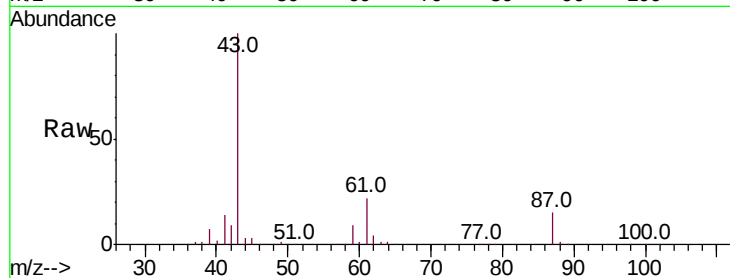
#43
Isopropyl Acetate
Concen: 48.175 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.0	34.6
87	15.0	11.7	17.5

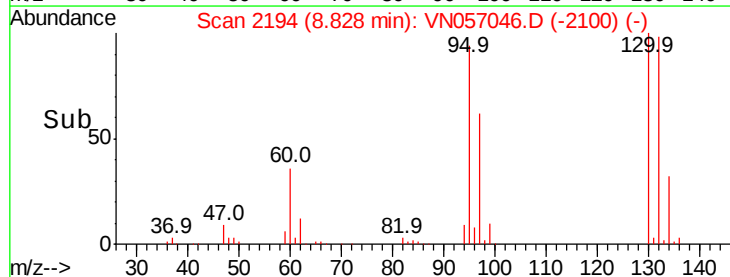
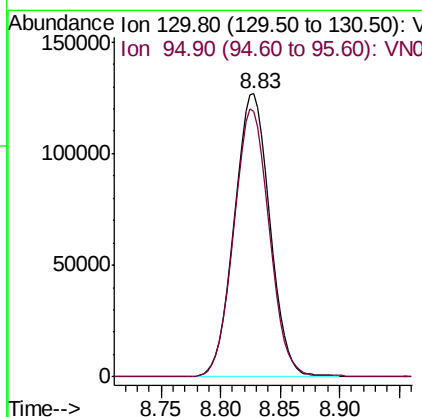
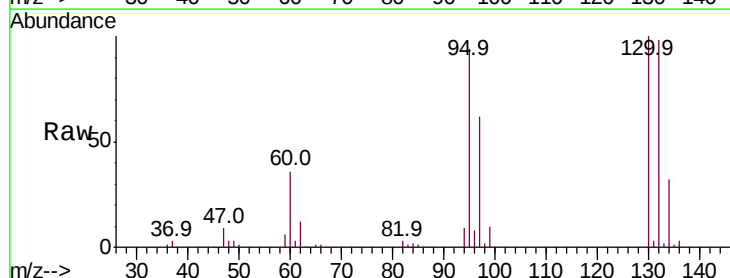
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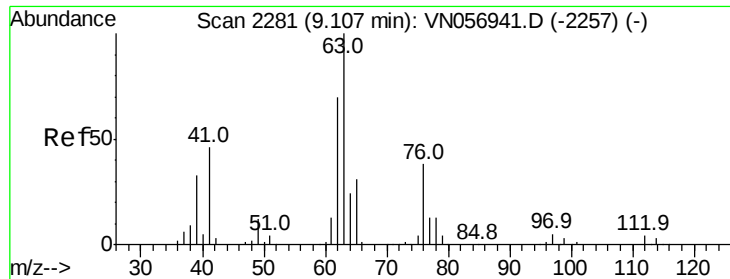
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#44
Trichloroethene
Concen: 50.193 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	189.0





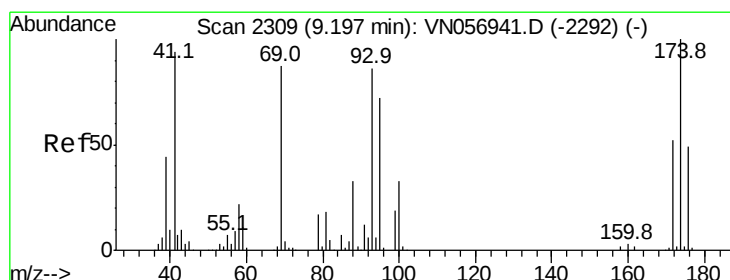
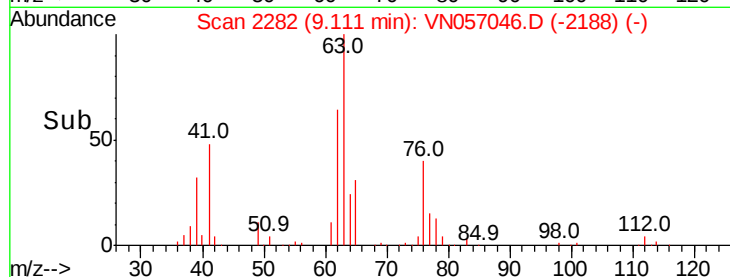
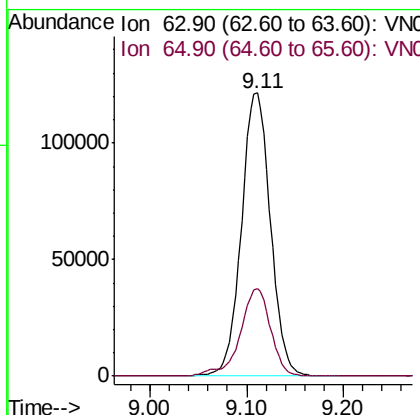
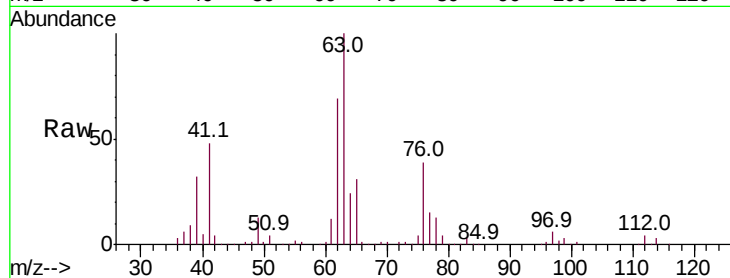
#45
 1,2-Dichloropropane
 Concen: 49.753 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

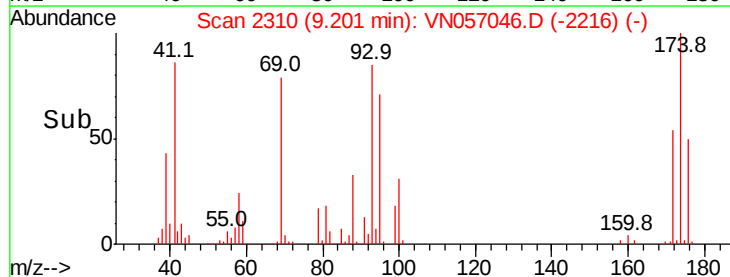
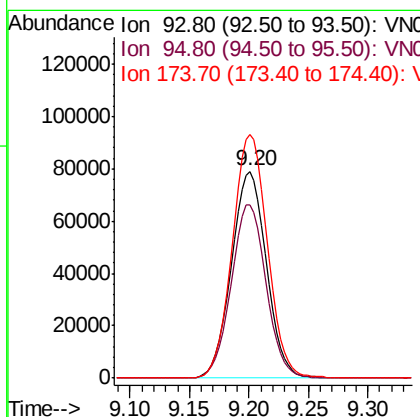
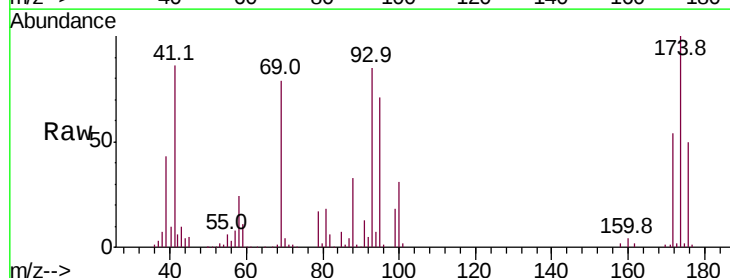
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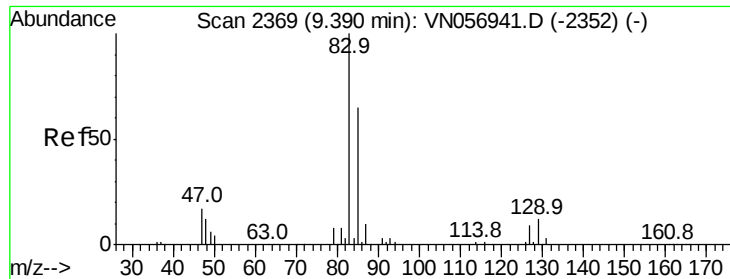
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#46
 Dibromomethane
 Concen: 52.502 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.6
174	118.1	92.7	139.1





#47

Bromodichloromethane

Concen: 53.125 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

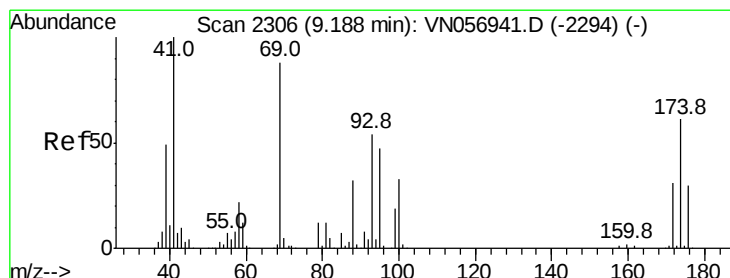
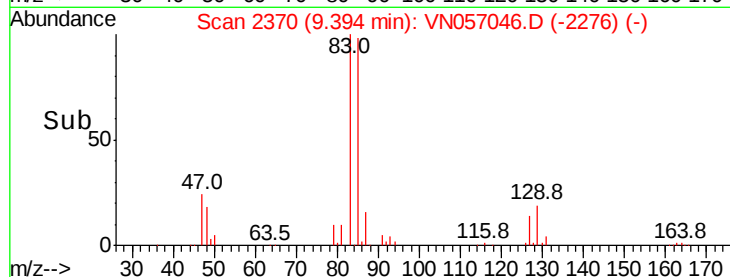
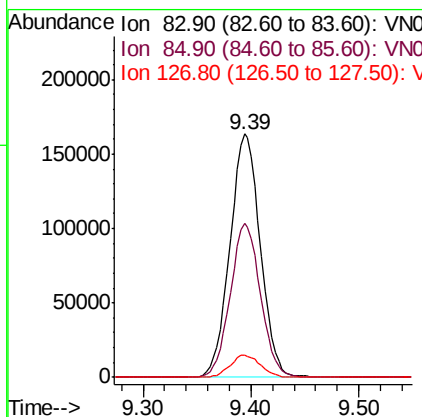
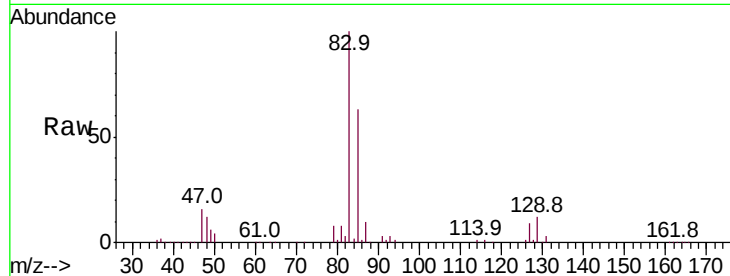
ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:	83	Resp:	320361
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.6	77.4
127	9.1	7.3	10.9

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#48

Methyl methacrylate

Concen: 52.067 ug/l

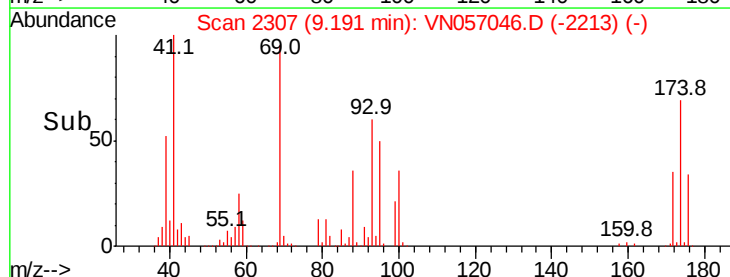
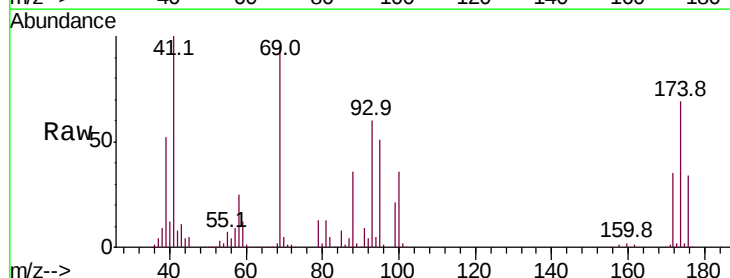
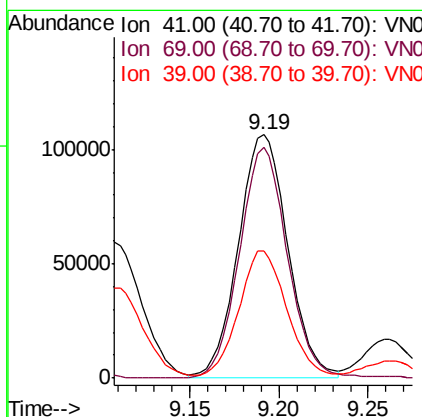
RT: 9.19 min Scan# 2307

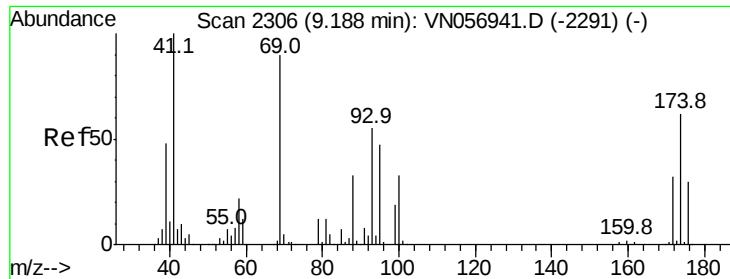
Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion:	41	Resp:	205430
Ion Ratio	Lower	Upper	
41	100		
69	92.9	73.4	110.0
39	51.2	39.9	59.9





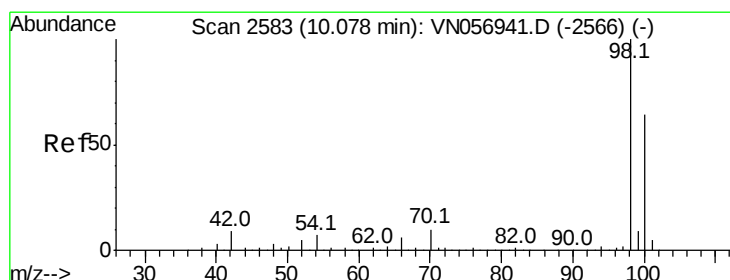
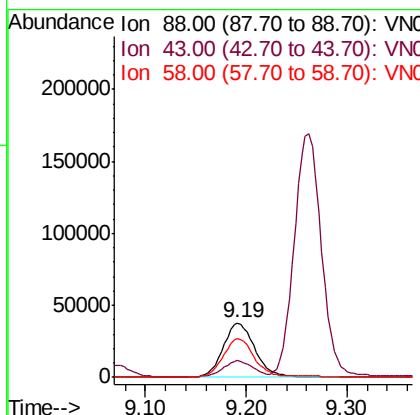
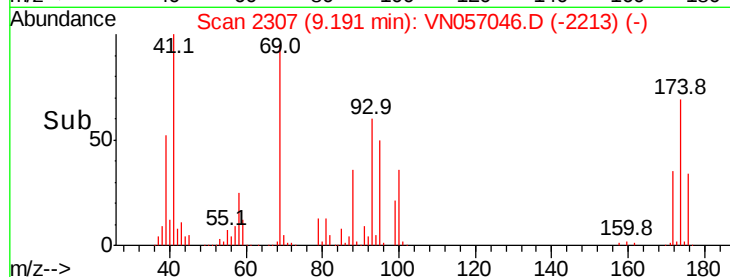
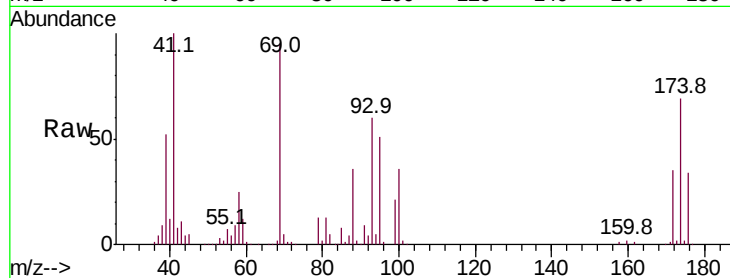
#49
1,4-Dioxane
Concen: 1027.686 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.2	33.2
58	69.2	54.1	81.1

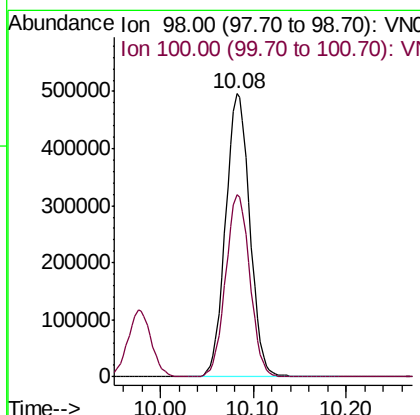
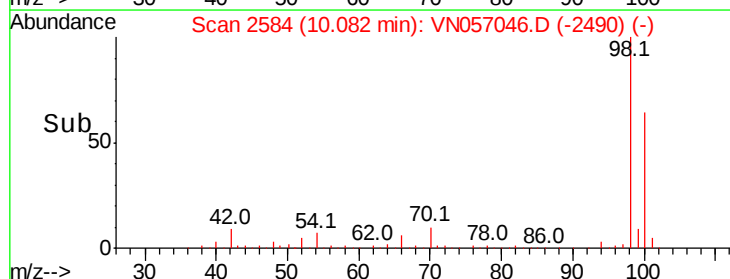
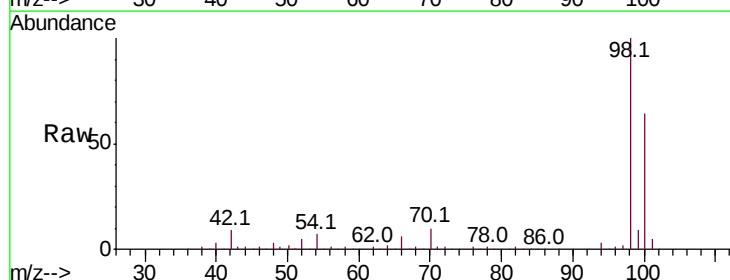
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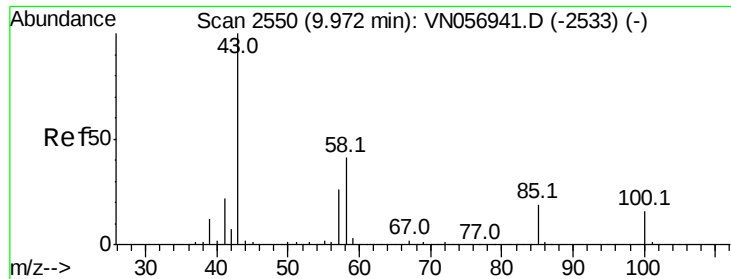
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#50
Toluene-d8
Concen: 52.458 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 257.544 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 43 Resp: 1250523

Ion Ratio Lower Upper

43 100

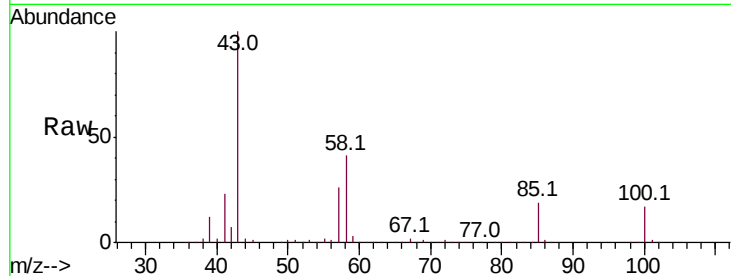
58 41.5 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

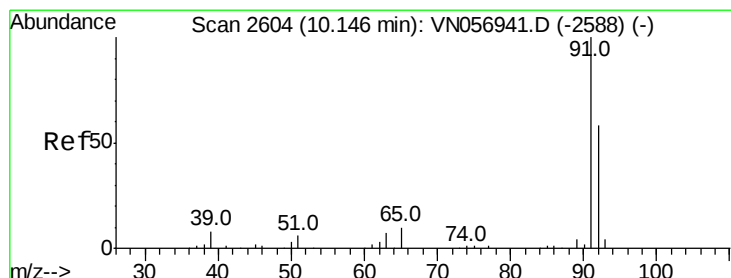
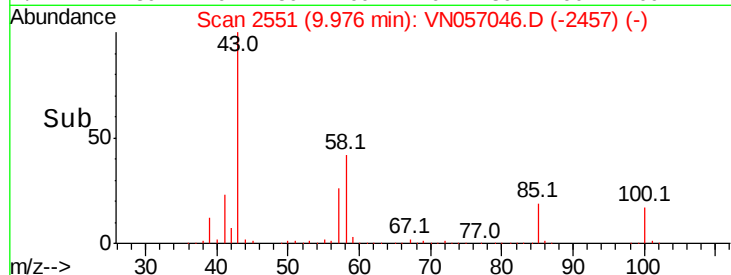
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.056 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057046.D

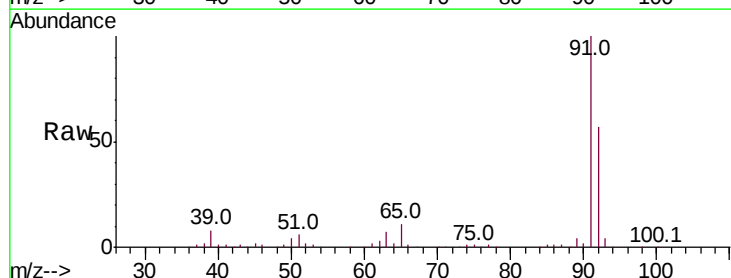
Acq: 1 Aug 2019 18:41

Tgt Ion: 92 Resp: 583258

Ion Ratio Lower Upper

92 100

91 175.3 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

600000

500000

400000

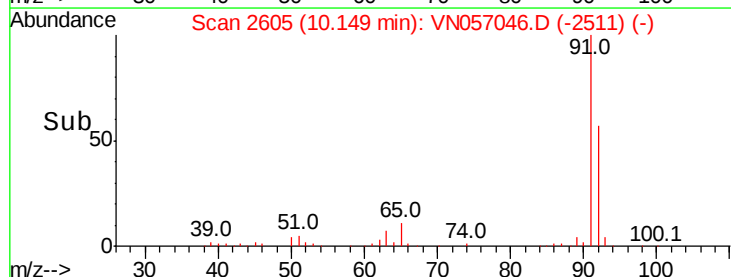
300000

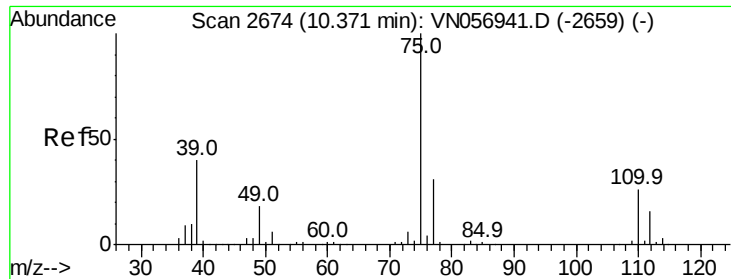
200000

100000

0

Time-->





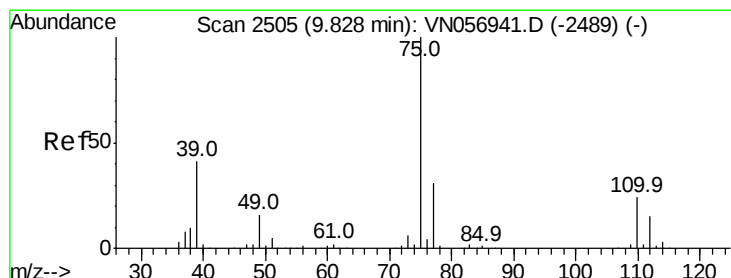
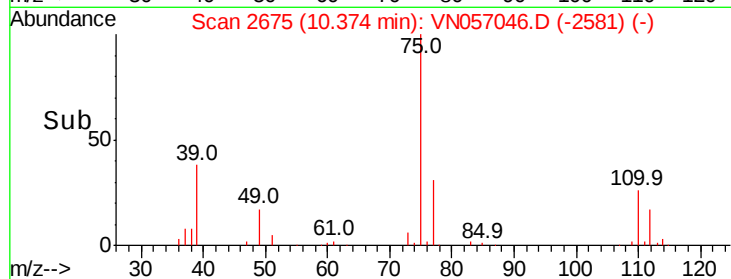
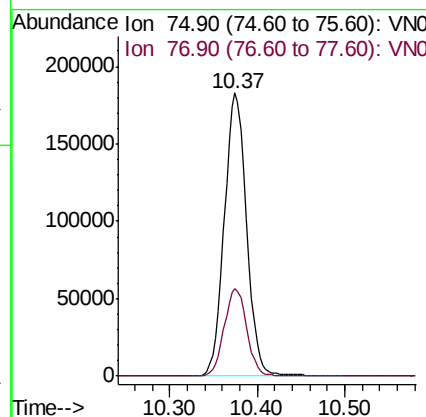
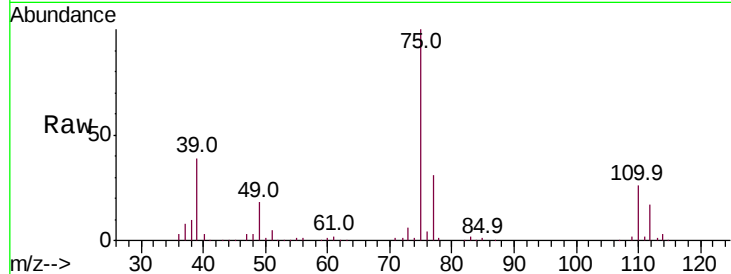
#53
 t-1,3-Dichloropropene
 Concen: 51.697 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion: 75 Resp: 323508
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.1 37.7

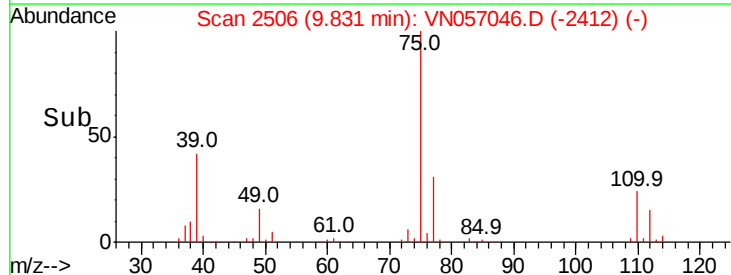
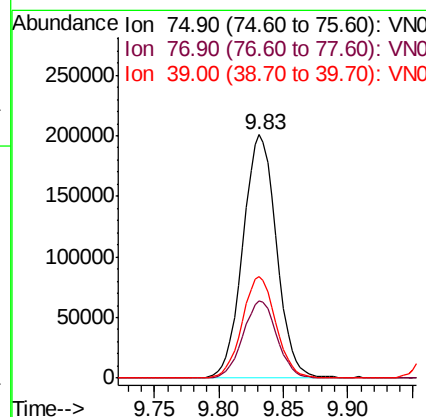
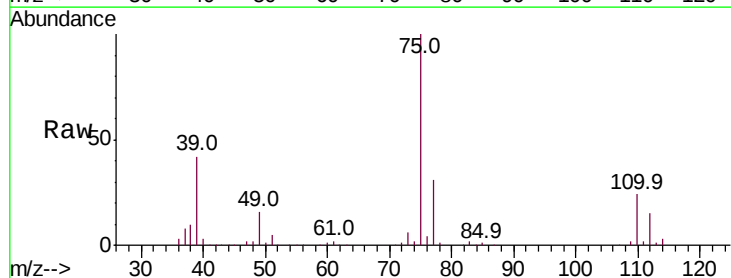
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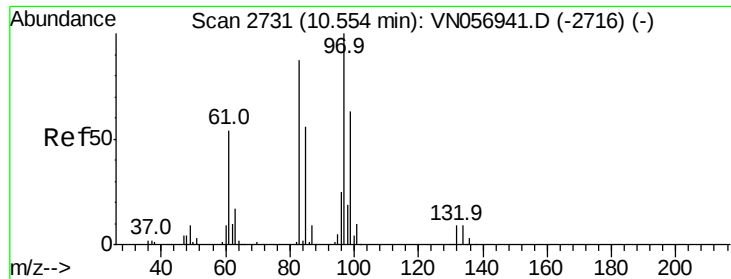
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#54
 cis-1,3-Dichloropropene
 Concen: 50.185 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion: 75 Resp: 365144
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 41.7 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 50.457 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 97 Resp: 231162

Ion Ratio Lower Upper

97 100

83 85.4 69.4 104.0

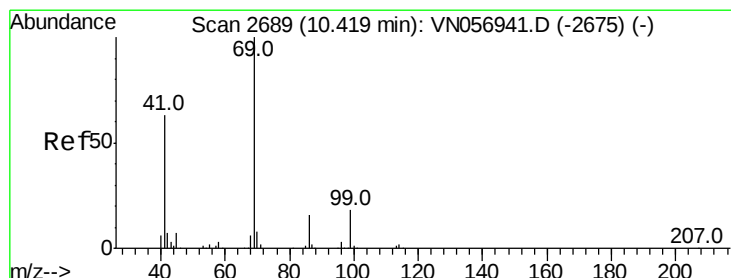
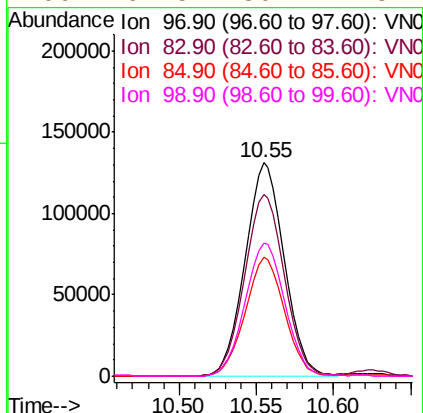
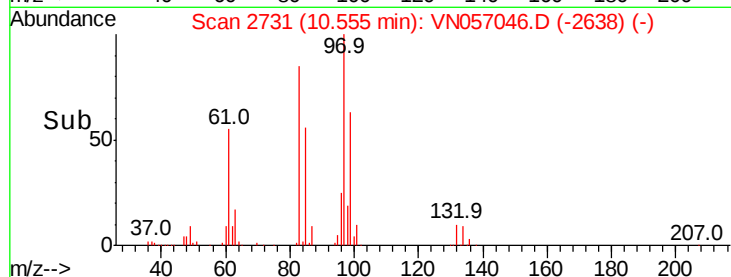
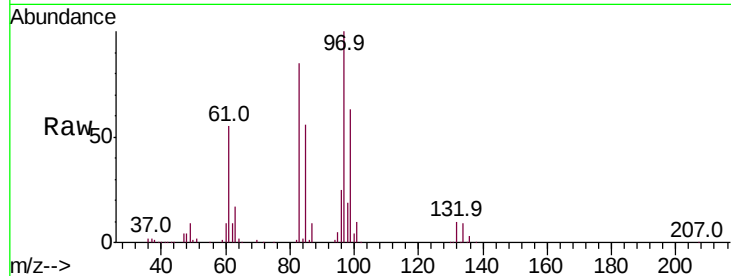
85 55.9 44.7 67.1

99 62.5 50.1 75.1

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#56

Ethyl methacrylate

Concen: 48.164 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

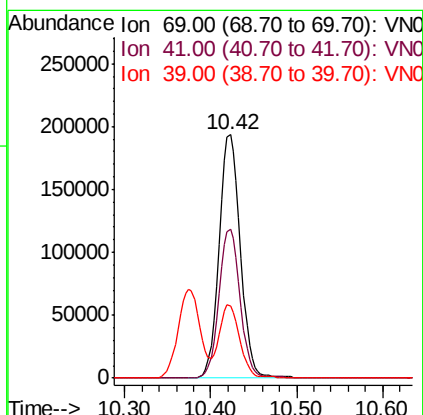
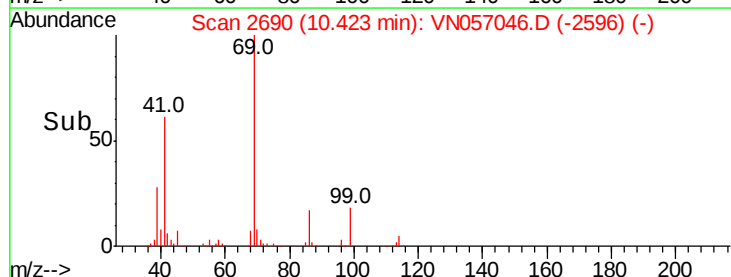
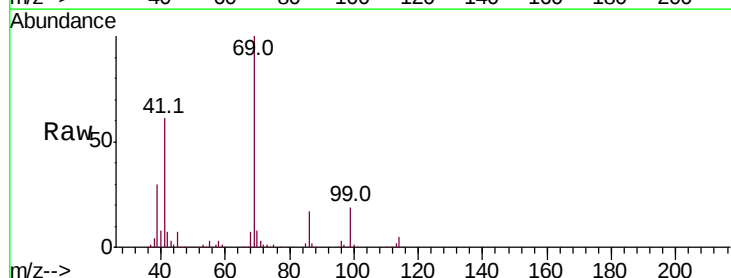
Tgt Ion: 69 Resp: 332768

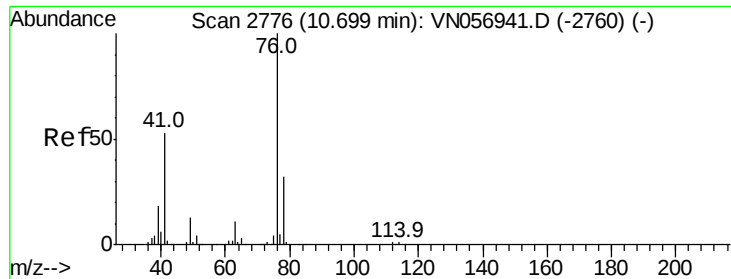
Ion Ratio Lower Upper

69 100

41 60.2 49.2 73.8

39 29.1 23.1 34.7





#57

1,3-Dichloropropane

Concen: 50.982 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 76 Resp: 387304

Ion Ratio Lower Upper

76 100

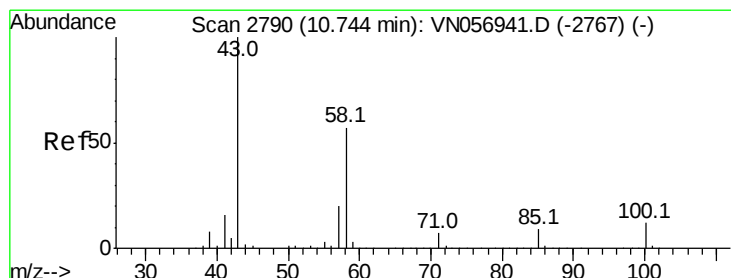
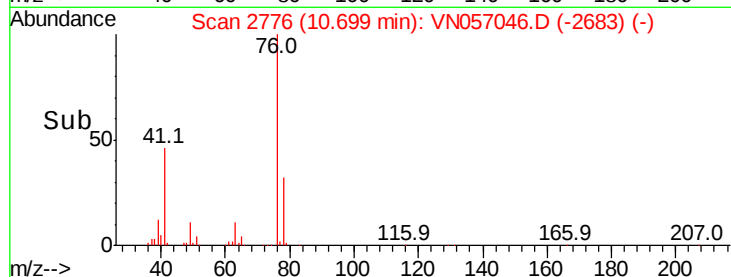
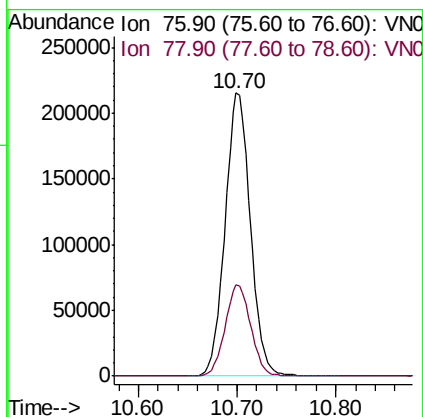
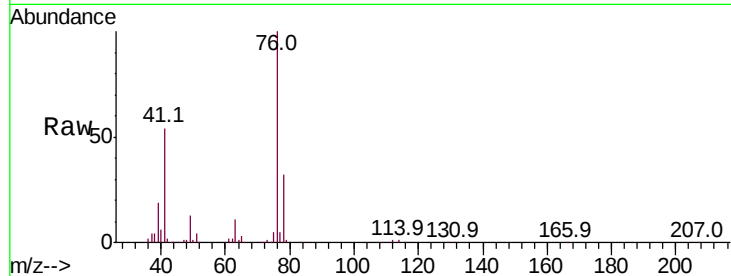
78 32.7 25.9 38.9

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#59

2-Hexanone

Concen: 235.525 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN057046.D

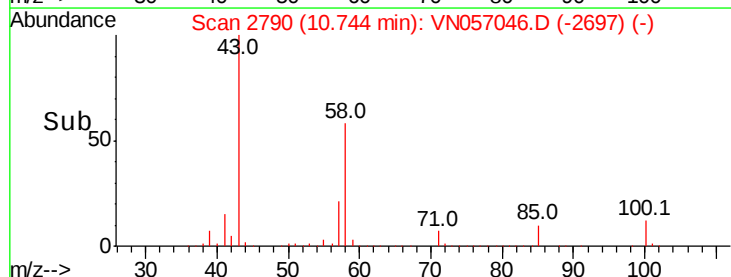
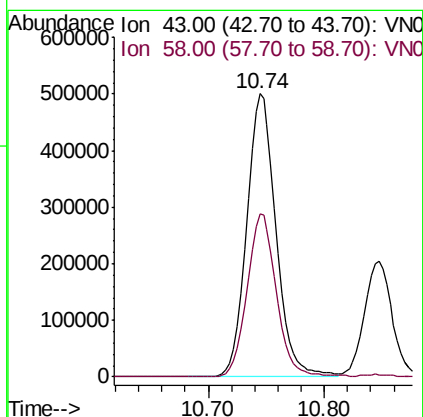
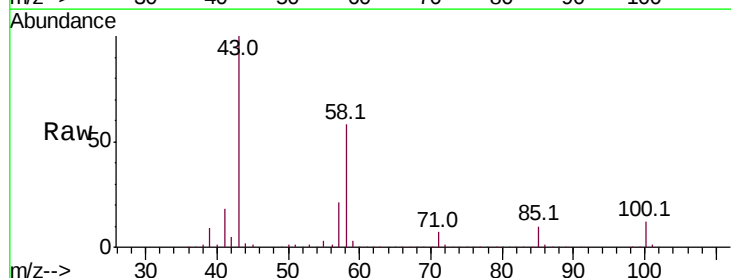
Acq: 1 Aug 2019 18:41

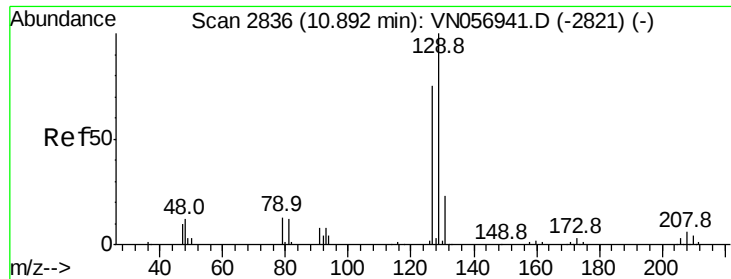
Tgt Ion: 43 Resp: 880142

Ion Ratio Lower Upper

43 100

58 57.8 28.5 85.5





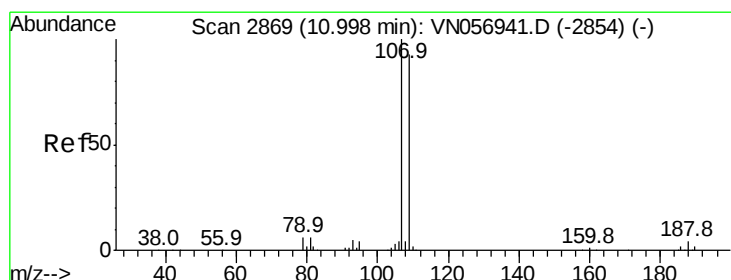
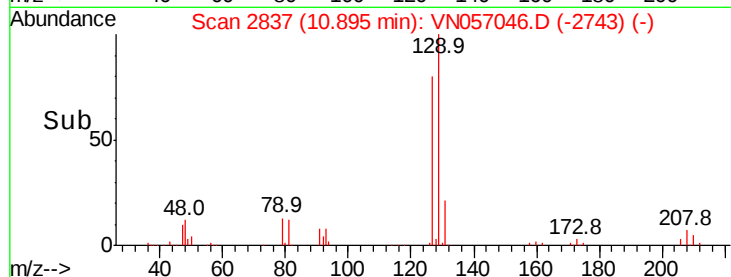
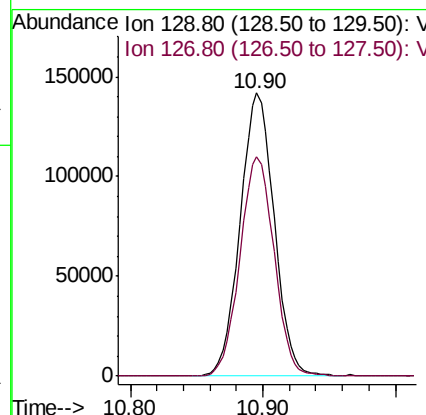
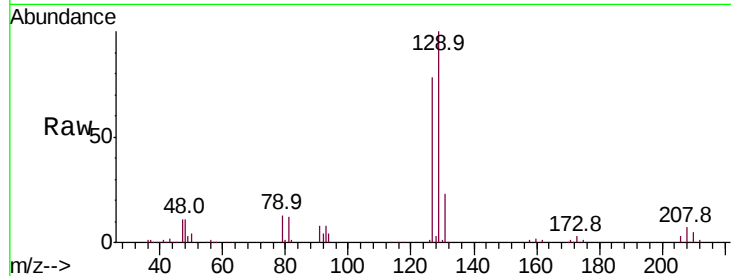
#60
 Dibromochloromethane
 Concen: 53.897 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion:129 Resp: 252975
 Ion Ratio Lower Upper
 129 100
 127 78.0 38.0 113.9

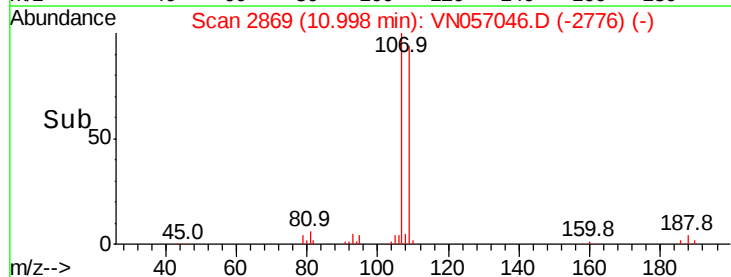
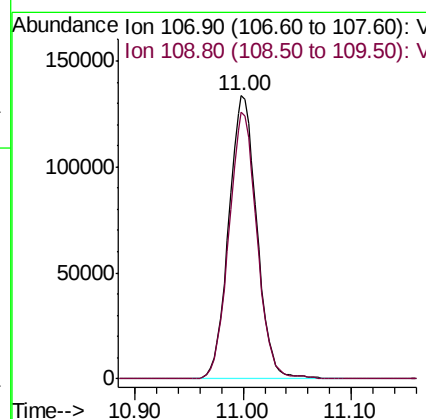
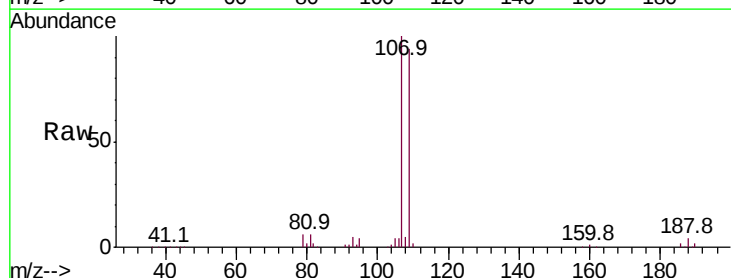
Manual Integrations
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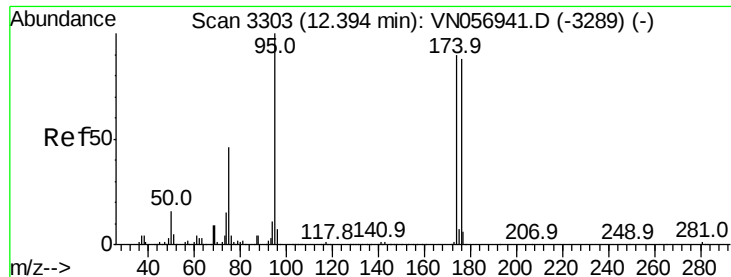
MMDadoda
 8/2/2019 11:18:10 AM



#61
 1,2-Dibromoethane
 Concen: 54.182 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion:107 Resp: 242243
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.0 114.0





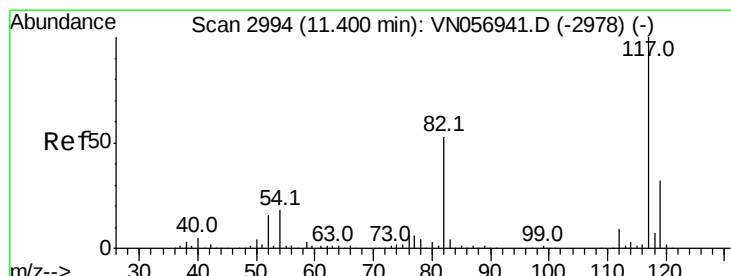
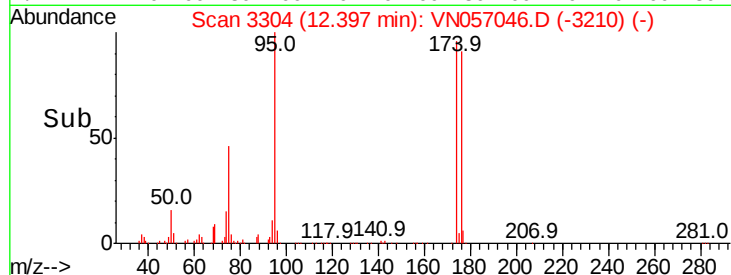
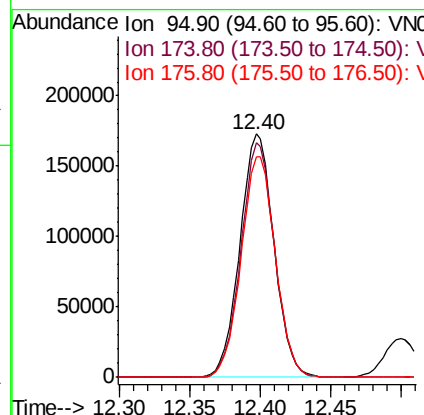
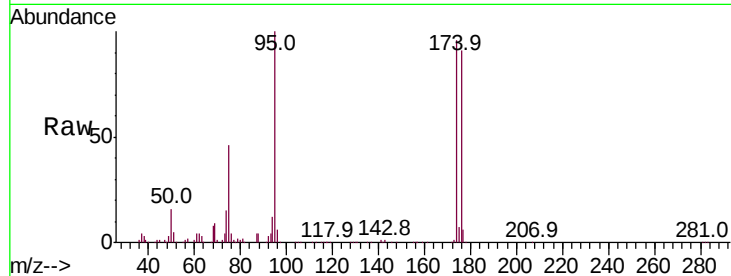
#62
4-Bromofluorobenzene
Concen: 52.591 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	293232		
174	94.7	0.0	182.2	
176	91.1	0.0	179.4	

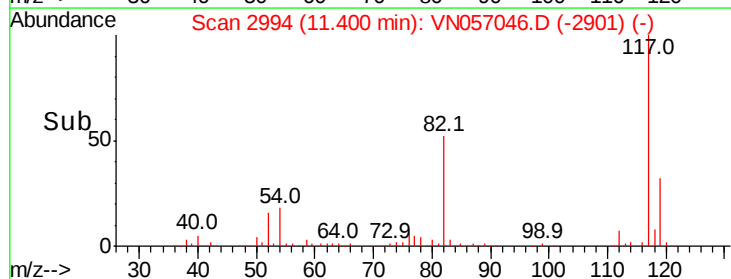
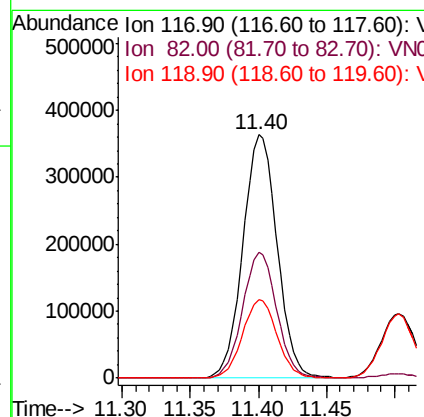
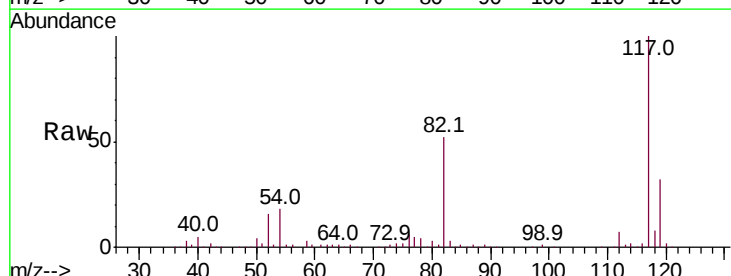
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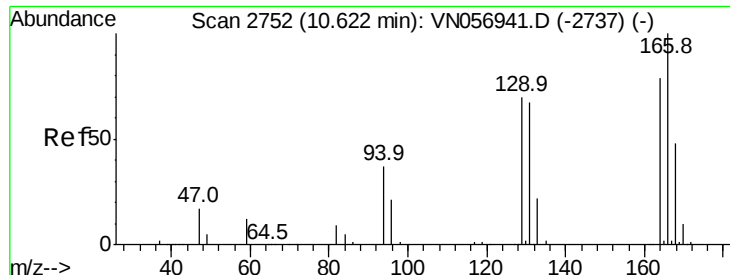
MMDadoda
8/2/2019 11:18:10 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	633521		
82	51.8	42.2	63.4	
119	32.2	25.8	38.6	





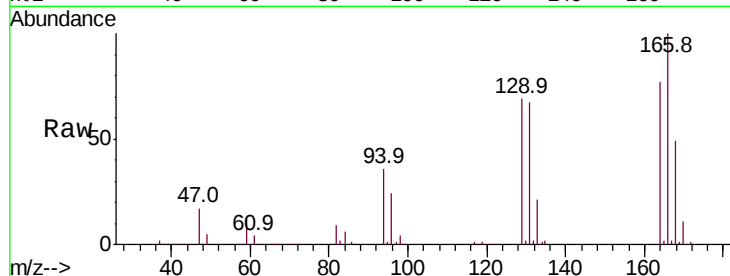
#64
Tetrachloroethene
Concen: 48.899 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	266957		
166	129.2	101.1	151.7	
129	88.6	70.9	106.3	
131	87.0	67.7	101.5	

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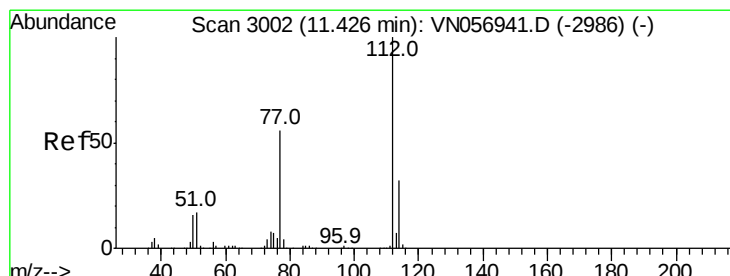
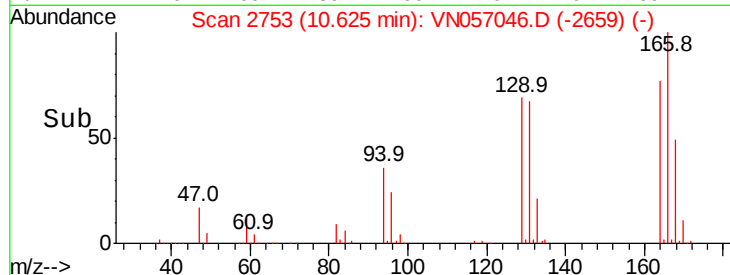
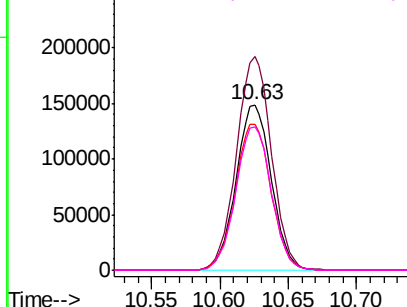
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

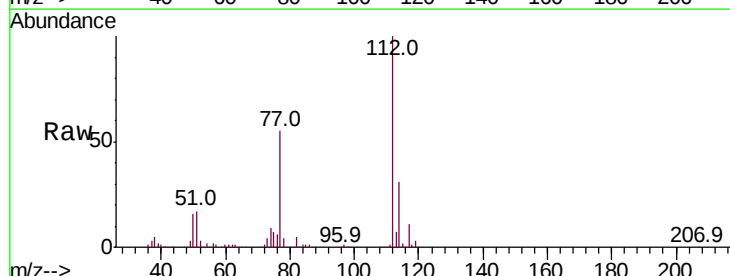
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 49.501 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

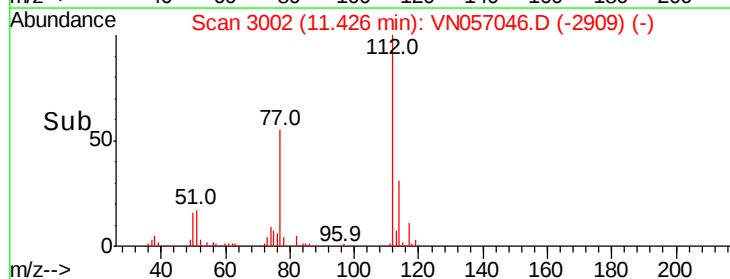
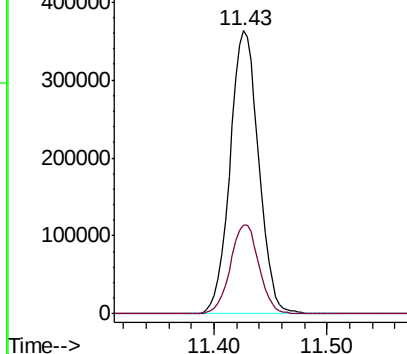
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	639161		
114	31.4	26.0	39.0	

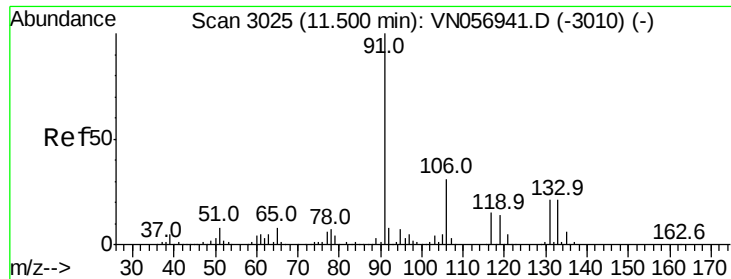


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





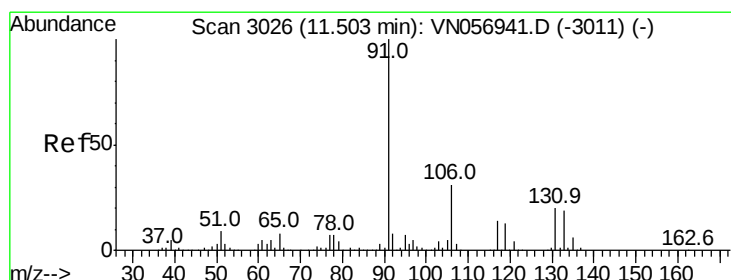
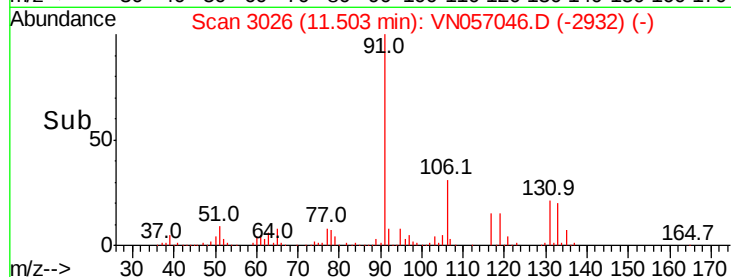
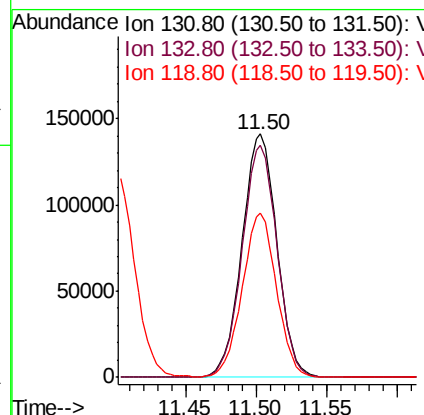
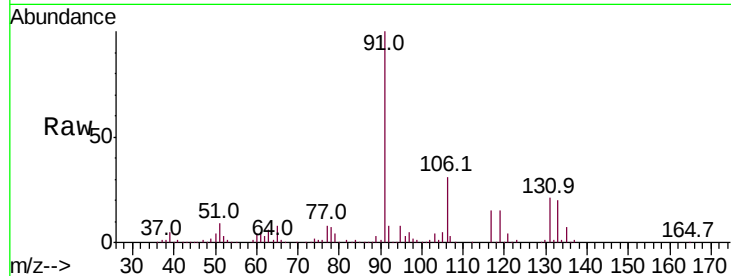
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.247 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.0	144.0
119	66.5	33.2	99.6

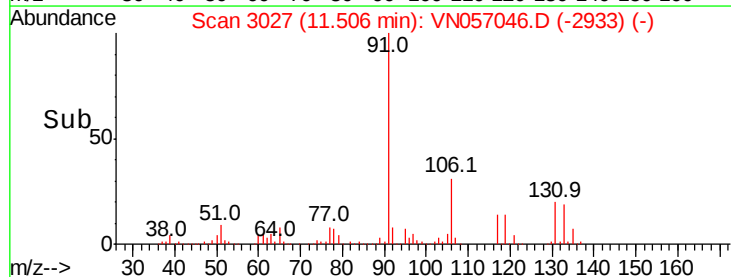
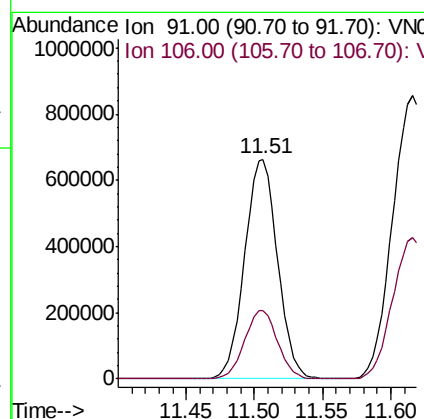
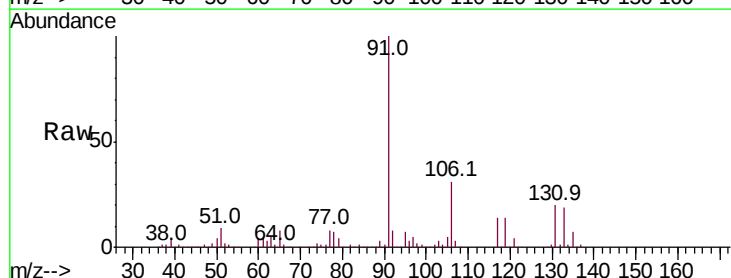
Manual Integrations
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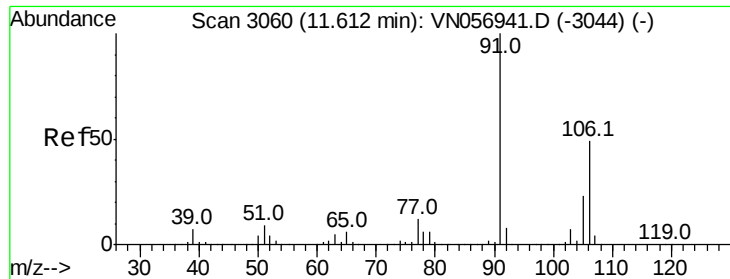
MMDadoda
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#67
 Ethyl Benzene
 Concen: 49.740 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.1	37.7





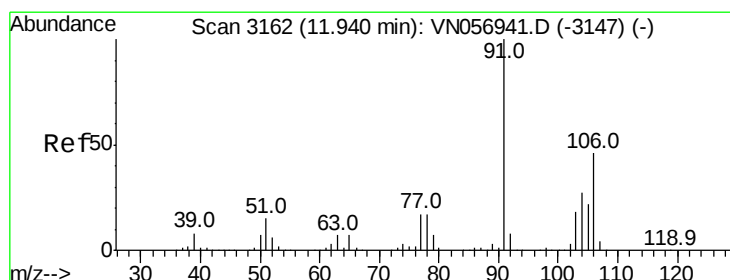
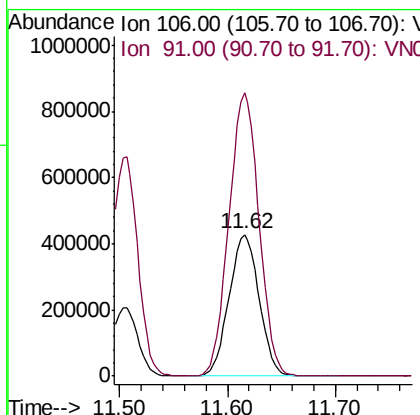
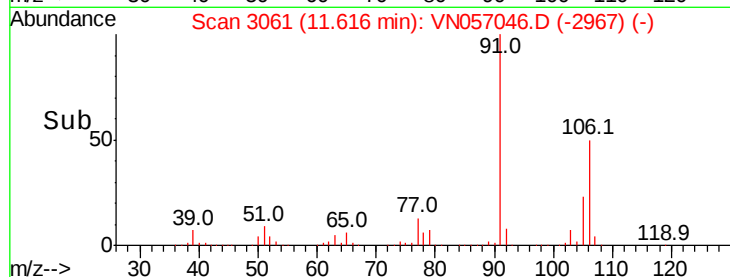
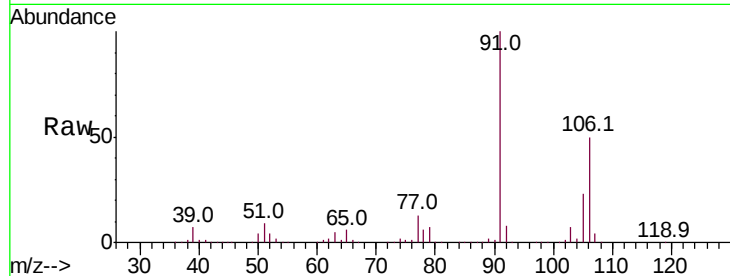
#68
m/p-Xylenes
Concen: 100.849 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion:106 Resp: 830576
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0

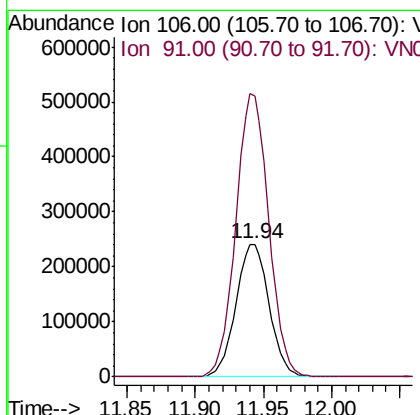
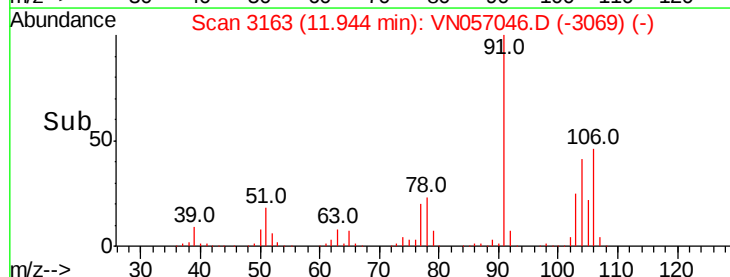
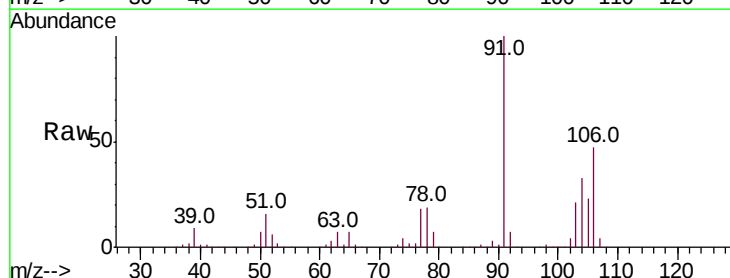
Manual Integrations
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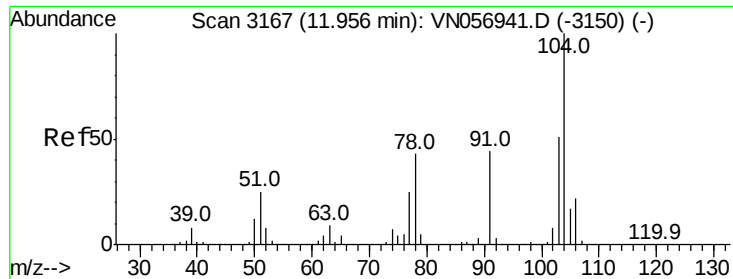
MMDadoda
8/2/2019 11:18:10 AM



#69
o-Xylene
Concen: 50.396 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion:106 Resp: 406068
Ion Ratio Lower Upper
106 100
91 211.6 106.2 318.6





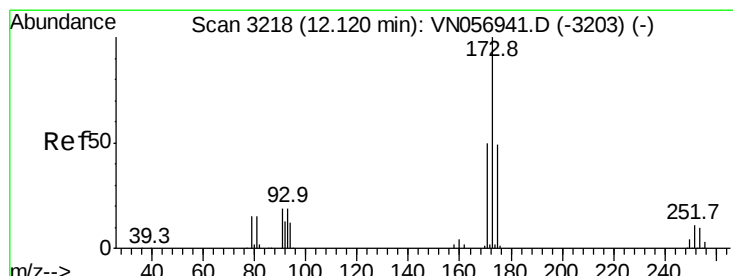
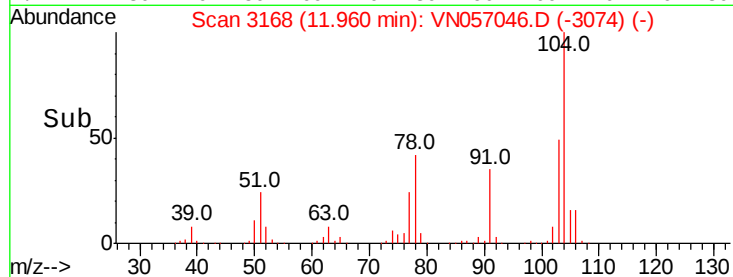
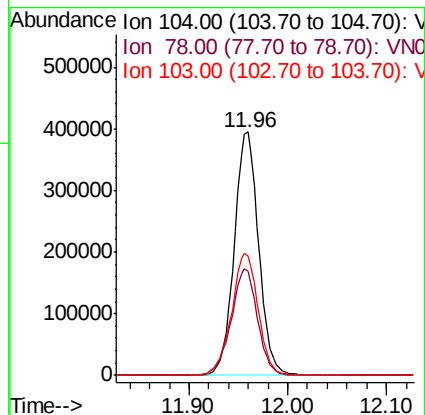
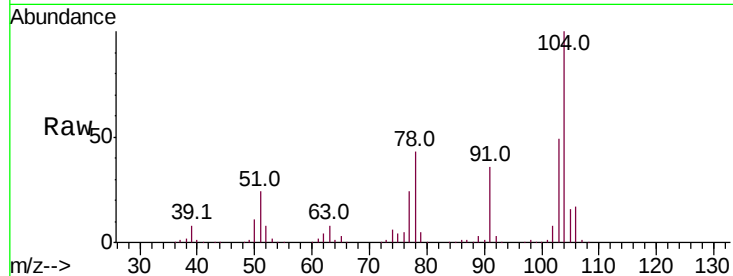
#70
Stvrene
Concen: 47.720 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion:104 Resp: 678360
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 54.9 44.3 66.5

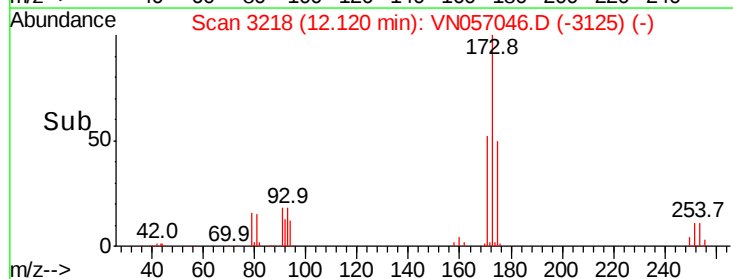
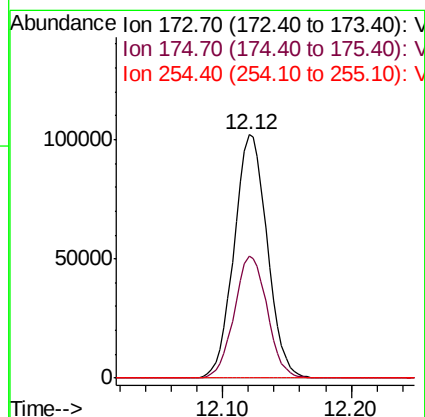
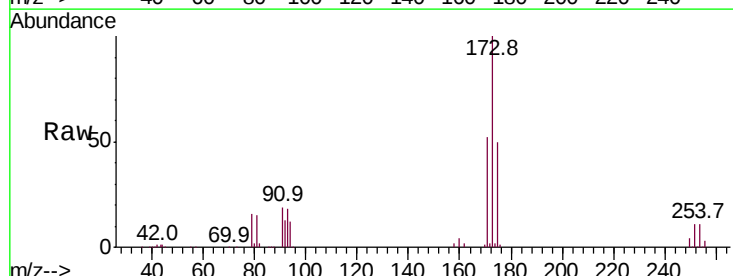
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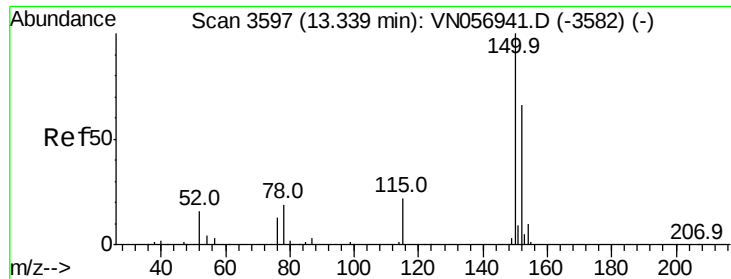
MMDadoda
8/2/2019 11:18:10 AM



#71
Bromoform
Concen: 53.654 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion:173 Resp: 182048
Ion Ratio Lower Upper
173 100
175 49.8 24.1 72.4
254 0.2 0.1 0.1#





#72

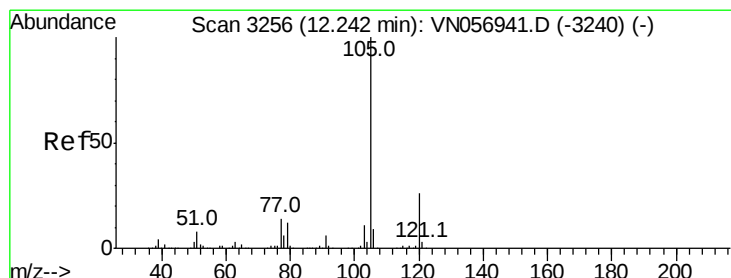
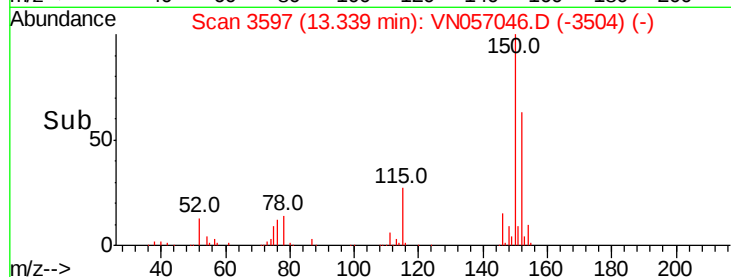
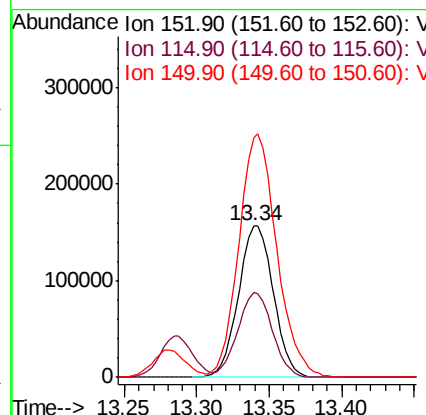
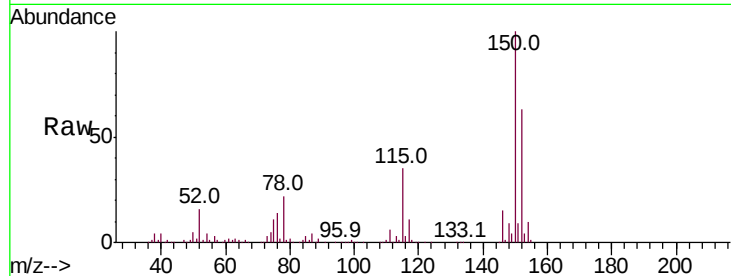
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.2	84.6
150	174.8	0.0	349.4

Manual Integrations
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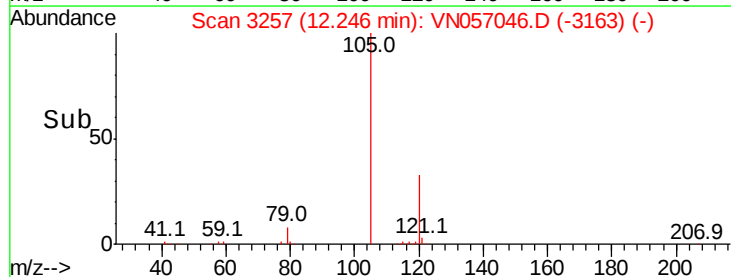
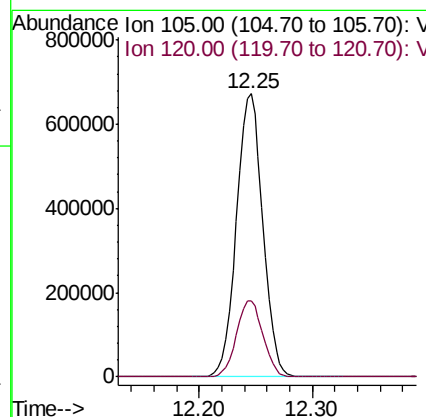
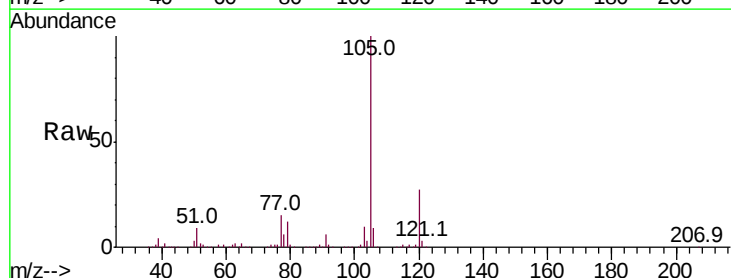
MMDadoda
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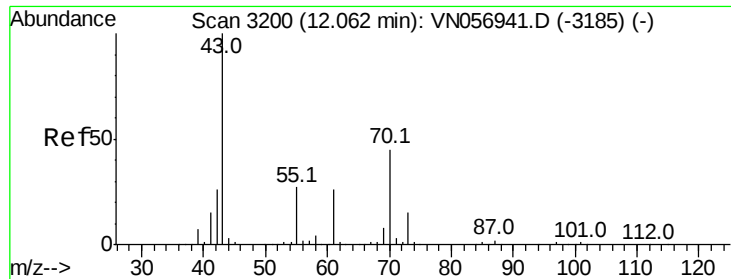


#73

Isopropylbenzene
Concen: 47.896 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5





#74

N-amvl acetate

Concen: 47.045 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

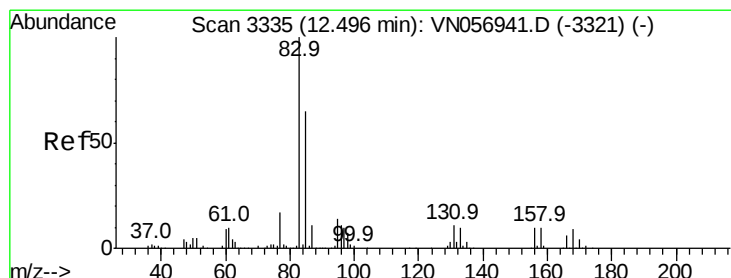
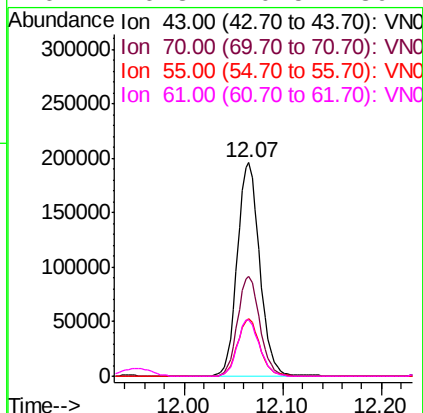
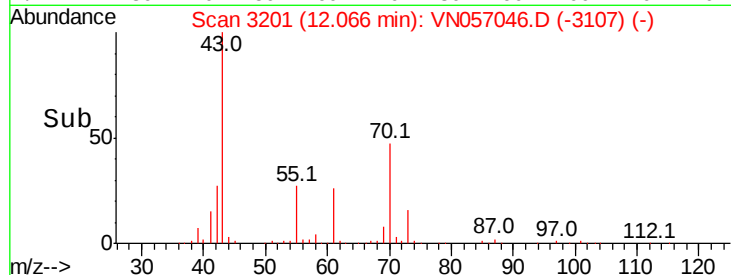
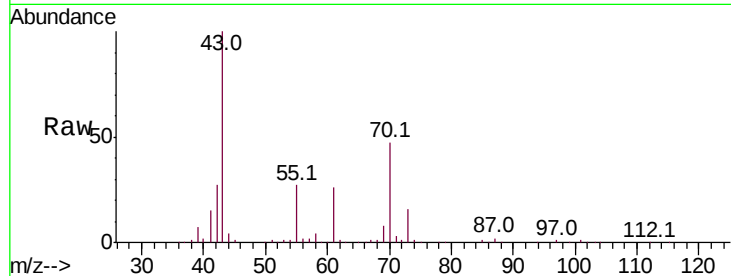
ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion	43	70	55	61
Ratio	100	46.3	26.8	26.3
Lower		36.5	21.4	20.5
Upper		54.7	32.0	30.7

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 52.856 ug/l

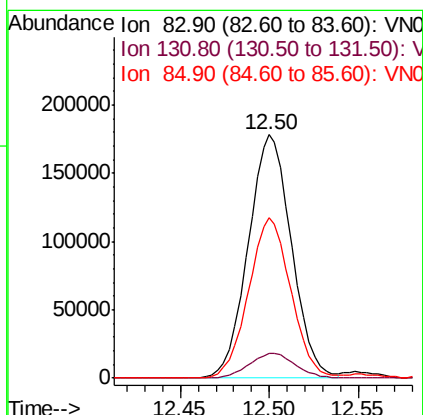
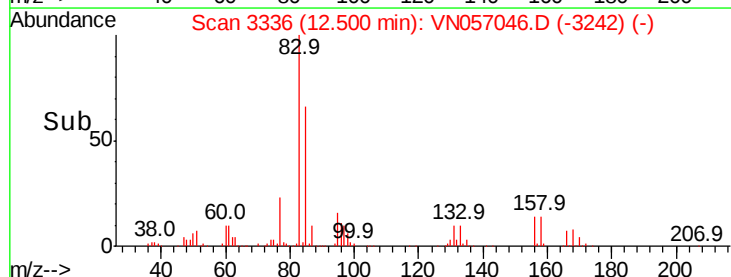
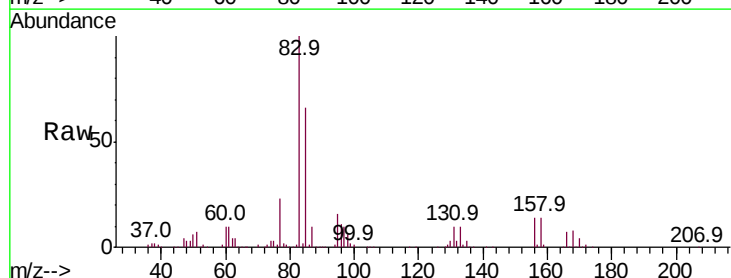
RT: 12.50 min Scan# 3336

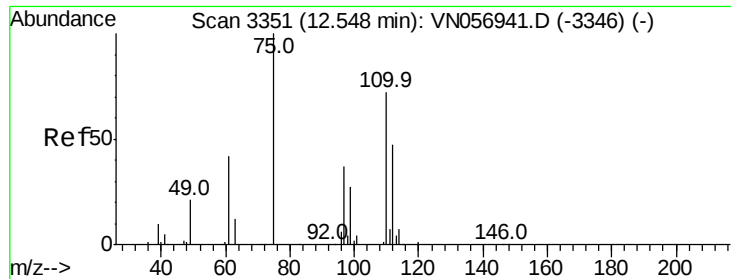
Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion	83	131	85
Ratio	100	10.8	64.4
Lower		5.3	32.5
Upper		16.1	97.4





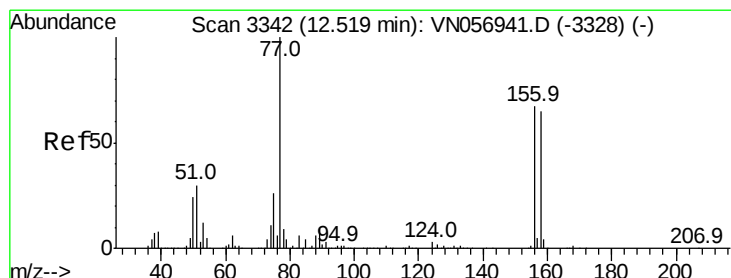
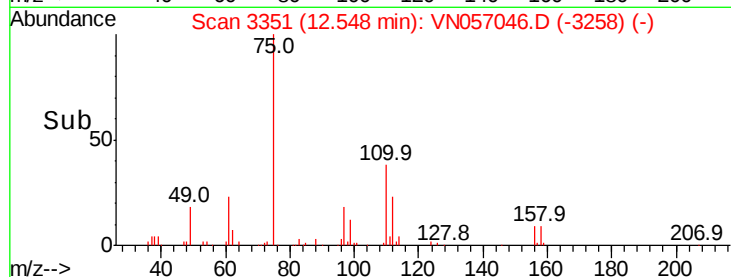
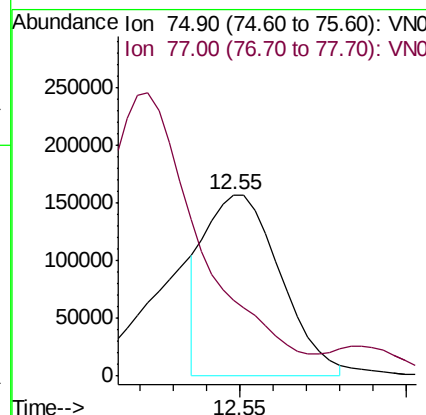
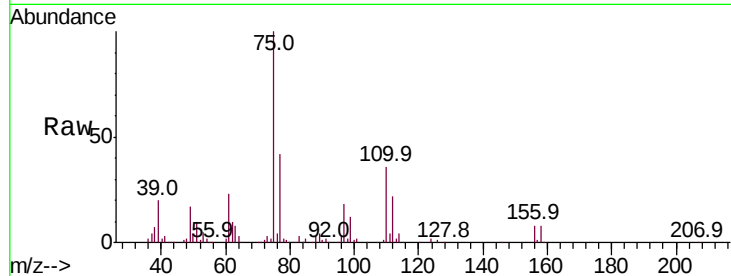
#76
 1,2,3-Trichloropropane
 Concen: 46.570 ug/l m
 RT: 12.55 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion: 75 Resp: 248061
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

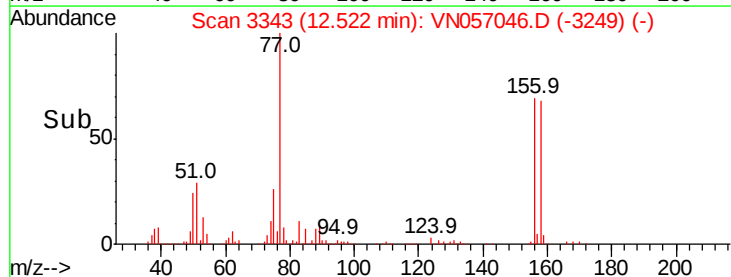
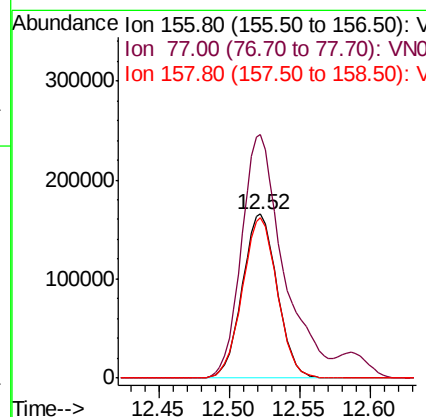
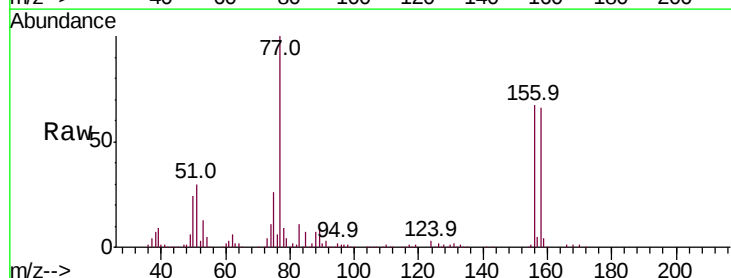
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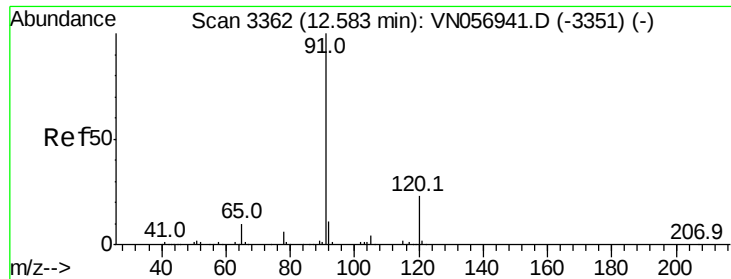
MMDadoda
 8/2/2019 11:18:10 AM



#77
 Bromobenzene
 Concen: 48.514 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion: 156 Resp: 287017
 Ion Ratio Lower Upper
 156 100
 77 177.4 89.5 268.5
 158 97.8 48.4 145.3





#78

n-propylbenzene

Concen: 47.872 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 91 Resp: 1158665

Ion Ratio Lower Upper

91 100

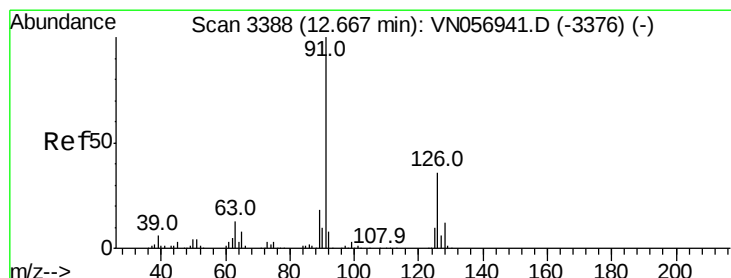
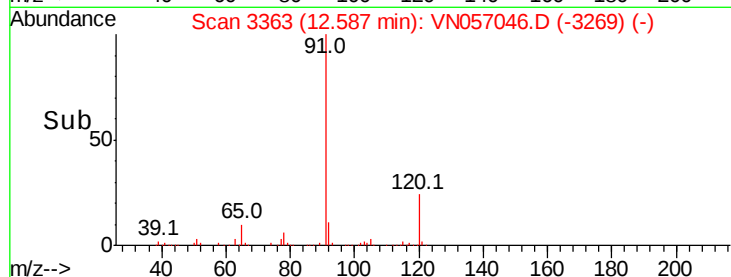
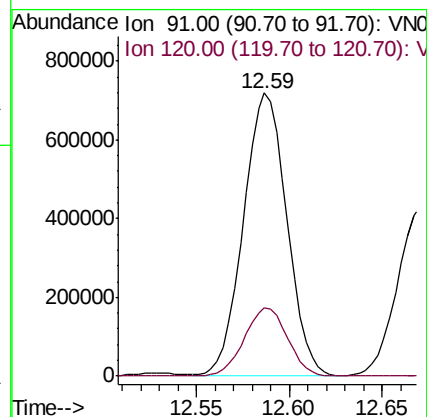
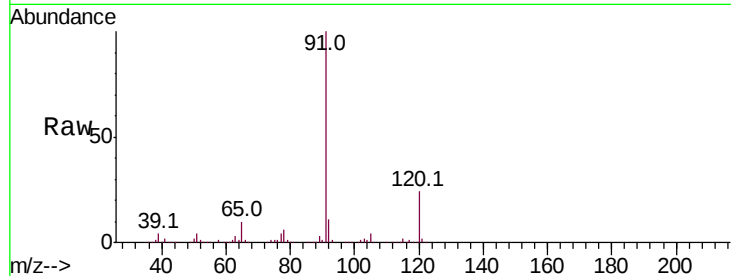
120 24.3 11.8 35.4

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#79

2-Chlorotoluene

Concen: 47.743 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057046.D

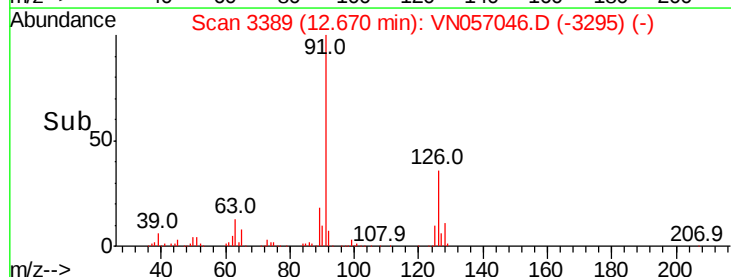
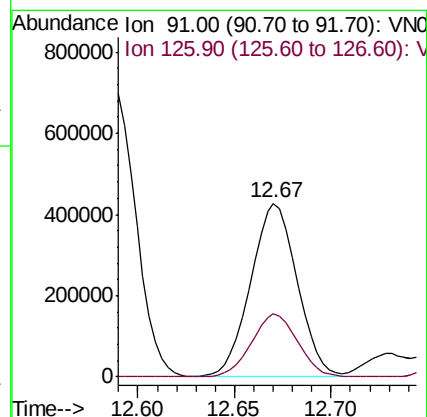
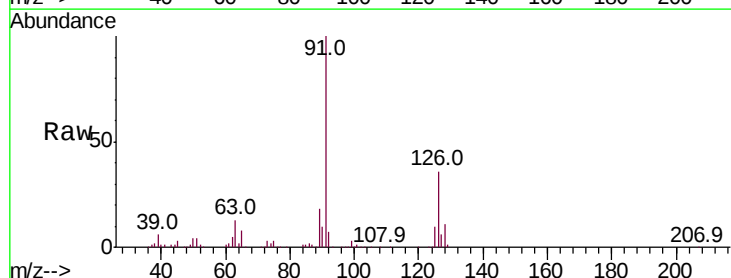
Acq: 1 Aug 2019 18:41

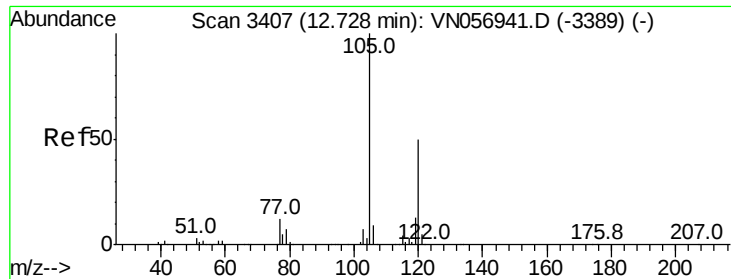
Tgt Ion: 91 Resp: 711545

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7





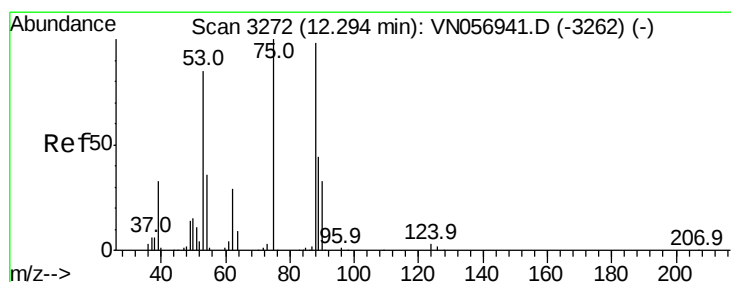
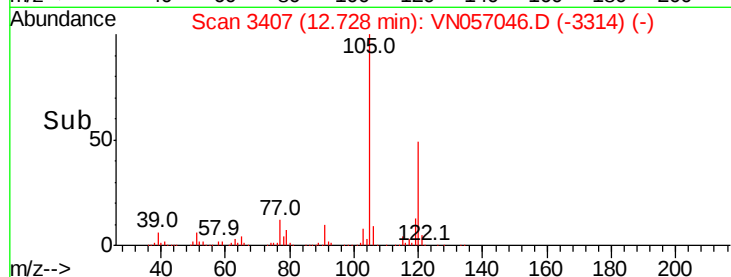
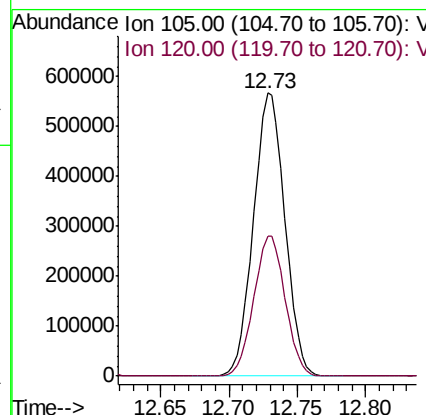
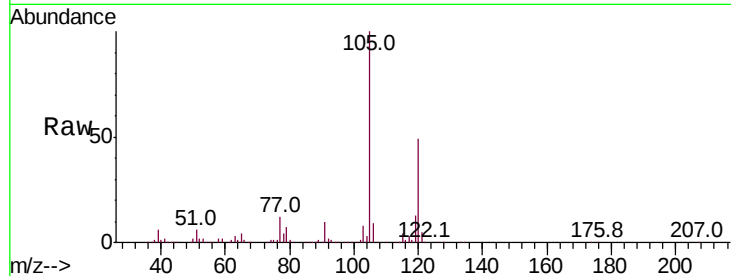
#80
 1,3,5-Trimethylbenzene
 Concen: 48.659 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.8	74.3

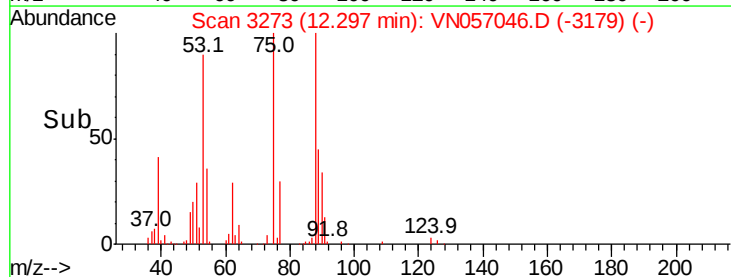
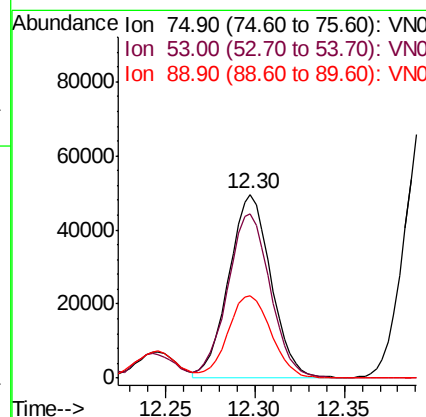
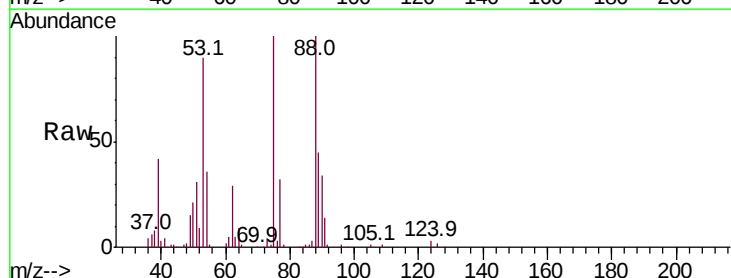
Manual Integrations
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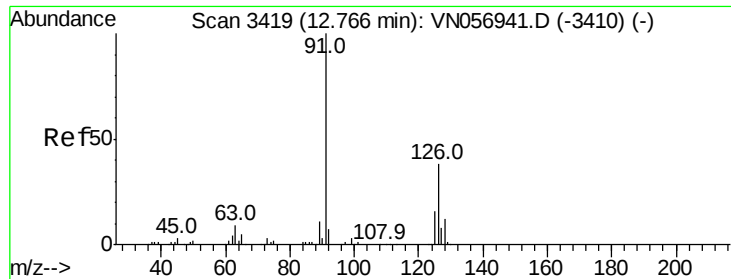
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.111 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.0	69.3	103.9
89	45.9	35.8	53.6





#82

4-Chlorotoluene

Concen: 48.706 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion: 91 Resp: 679304

Ion Ratio Lower Upper

91 100

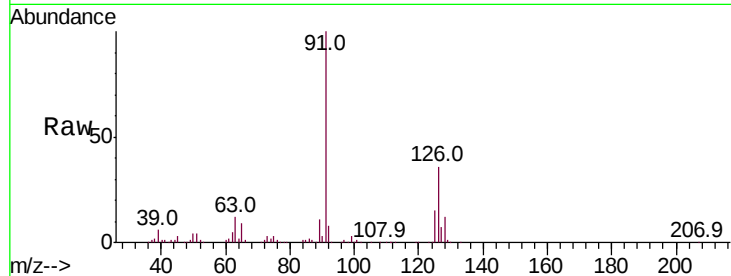
126 35.9 17.5 52.5

Manual Integrations

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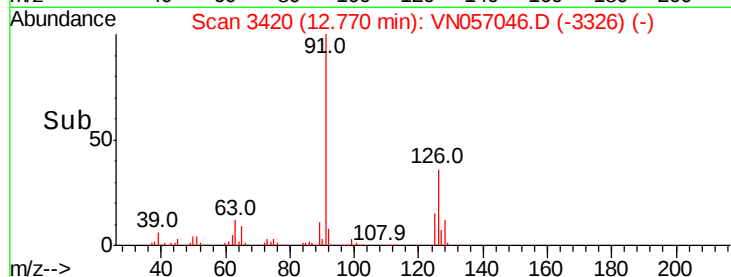


Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3410) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3410) (-)

12.77

Time-->



#83

tert-Butylbenzene

Concen: 48.796 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

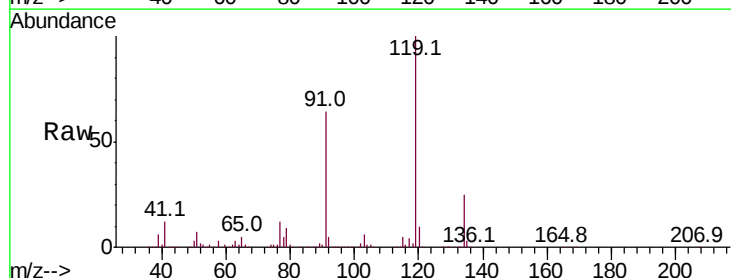
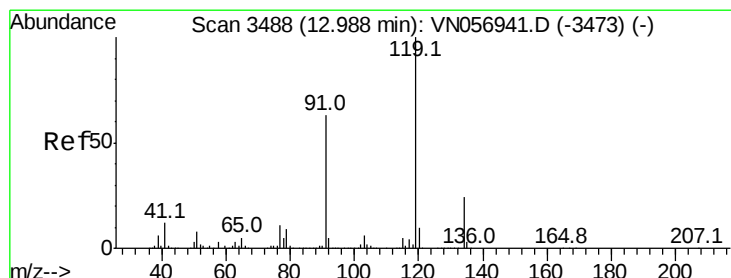
Tgt Ion: 119 Resp: 803644

Ion Ratio Lower Upper

119 100

91 62.5 31.3 93.8

134 26.1 13.3 39.8



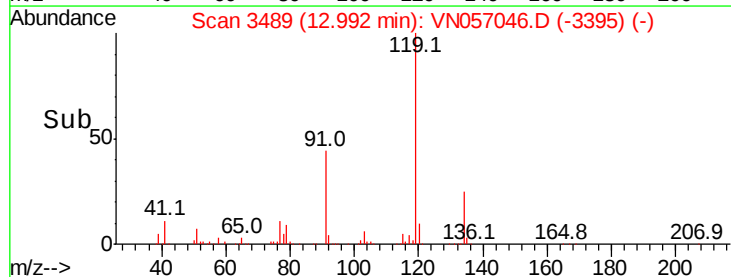
Abundance Ion 119.00 (118.70 to 119.70): VN056941.D (-3473) (-)

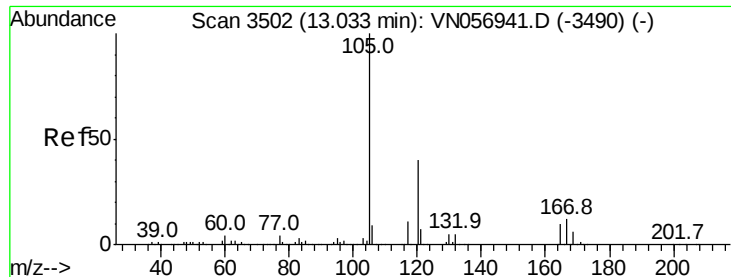
Ion 91.00 (90.70 to 91.70): VN056941.D (-3473) (-)

Ion 134.00 (133.70 to 134.70): VN056941.D (-3473) (-)

12.99

Time-->





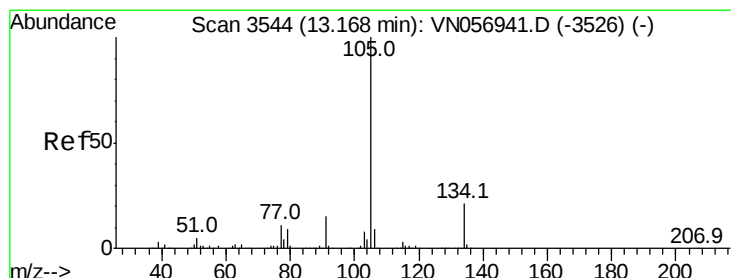
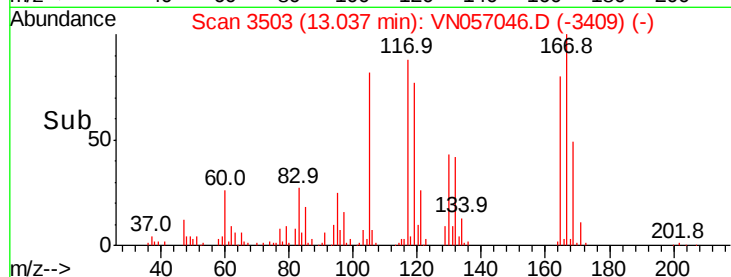
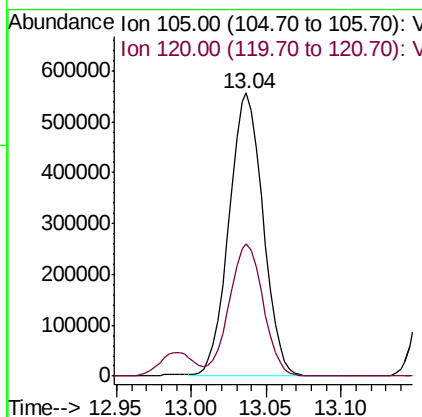
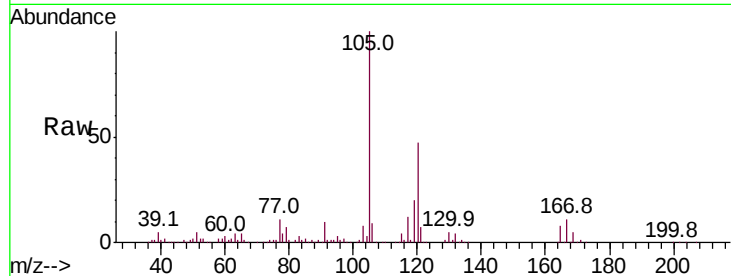
#84
1,2,4-Trimethylbenzene
Concen: 49.235 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500MSD

Tot Ion:105 Resp: 881376
Ion Ratio Lower Upper
105 100
120 46.7 23.2 69.6

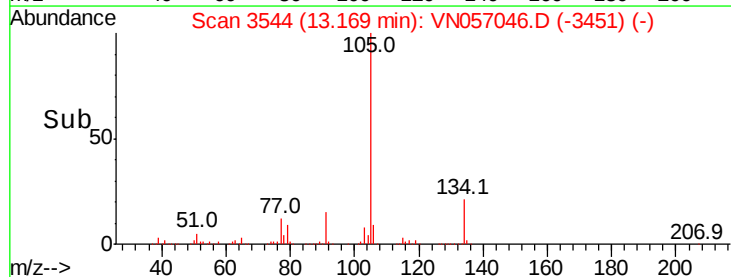
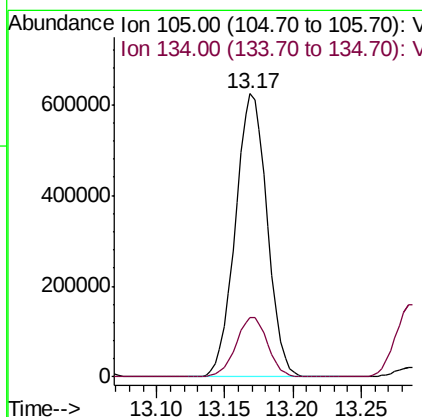
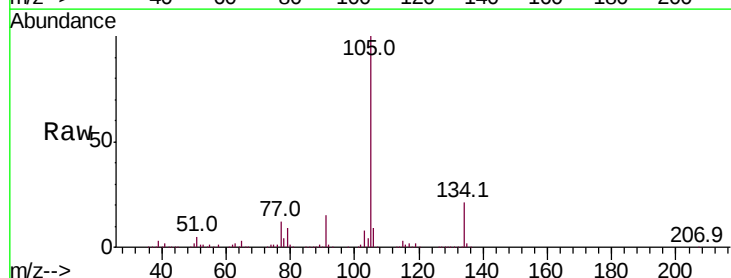
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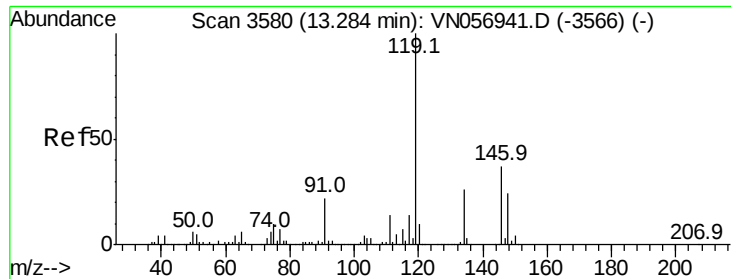
MMDadoda
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#85
sec-Butylbenzene
Concen: 47.265 ug/l
RT: 13.17 min Scan# 3544
Delta R.T. 0.00 min
Lab File: VN057046.D
Acq: 1 Aug 2019 18:41

Tgt Ion:105 Resp: 1004077
Ion Ratio Lower Upper
105 100
134 20.9 10.3 30.8





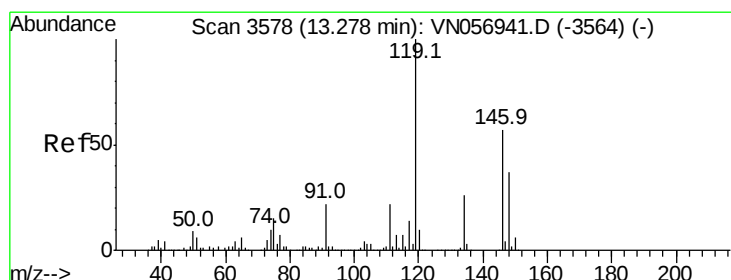
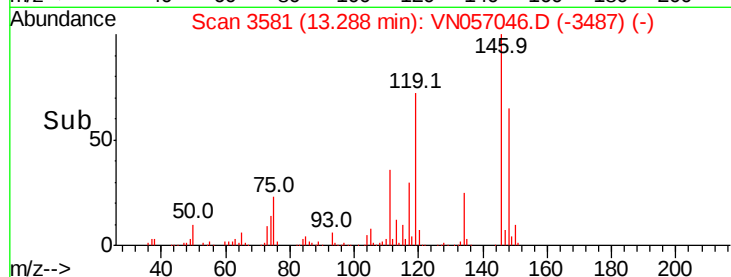
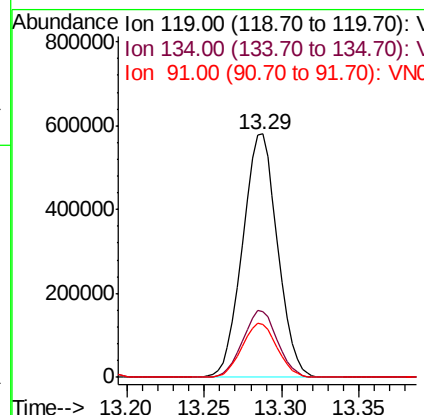
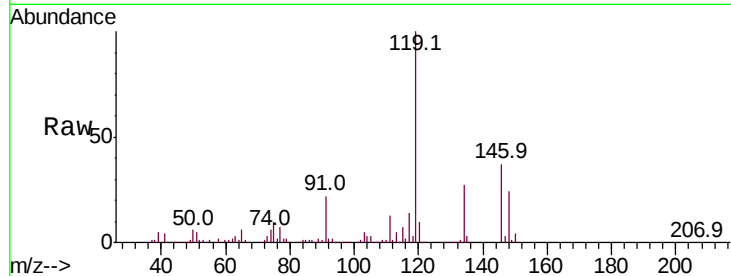
#86
 p-Isopropyltoluene
 Concen: 48.230 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	27.3	13.4	40.1	
91	22.1	11.0	33.0	

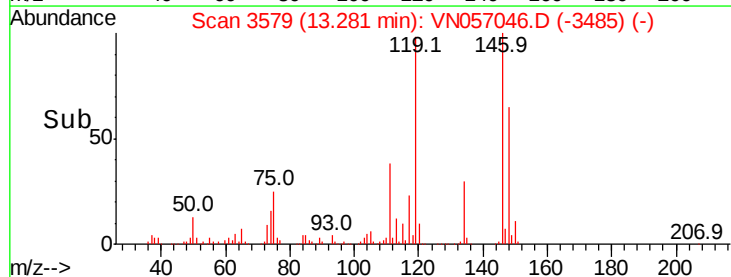
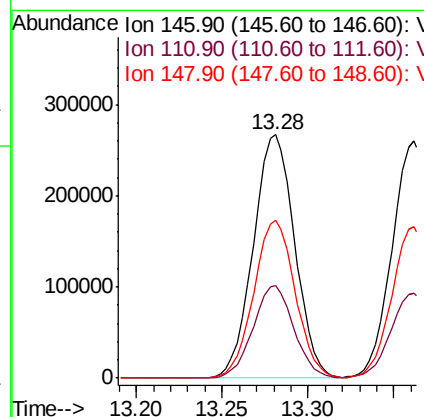
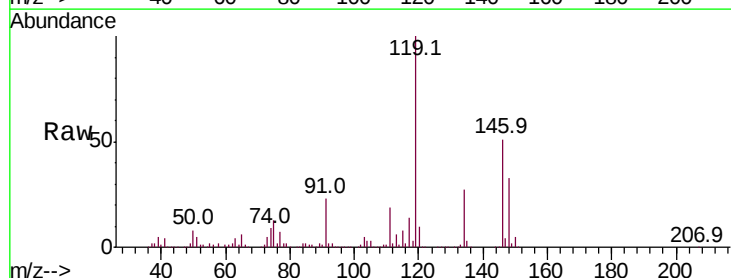
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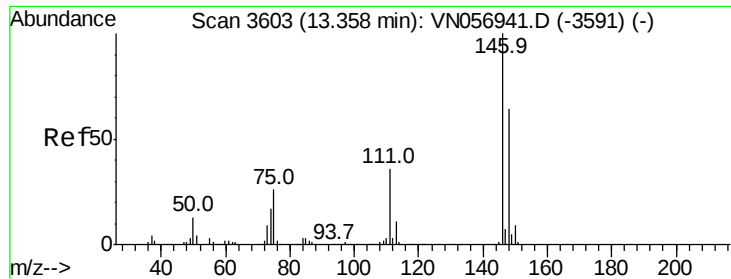
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#87
 1,3-Dichlorobenzene
 Concen: 49.550 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.3	18.6	55.8	
148	64.6	32.2	96.6	





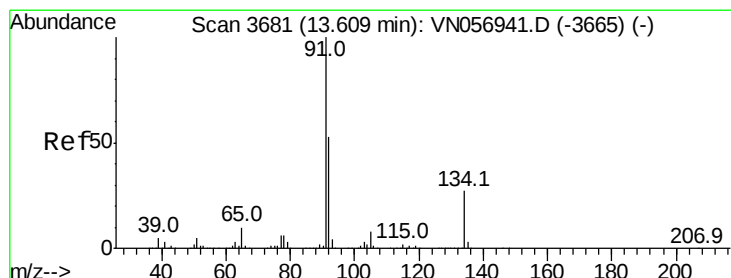
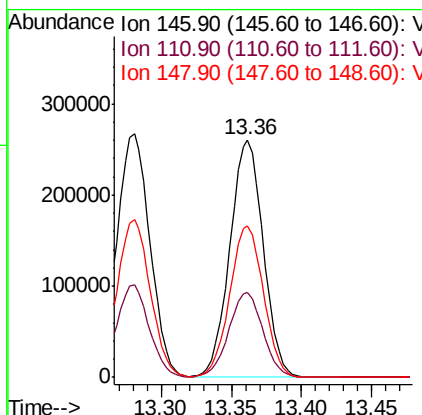
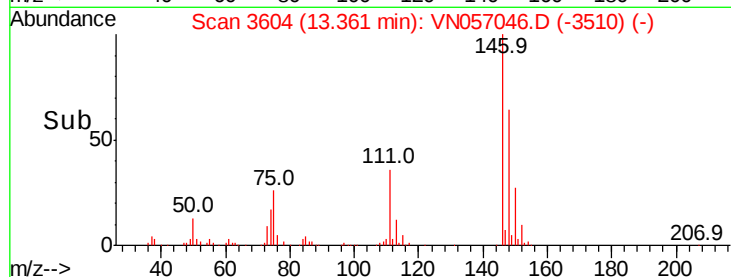
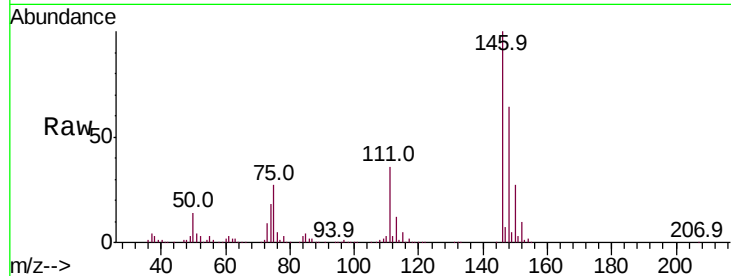
#88
 1,4-Dichlorobenzene
 Concen: 49.726 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	64.6	32.3	96.9

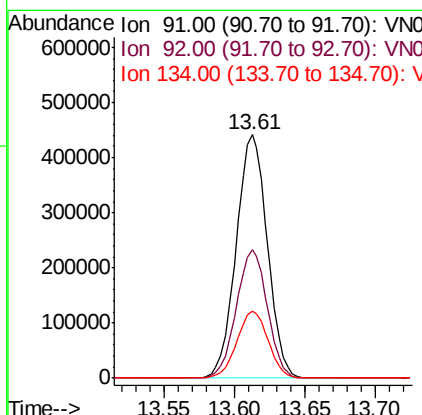
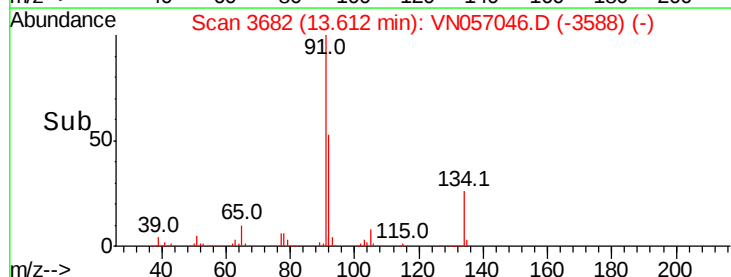
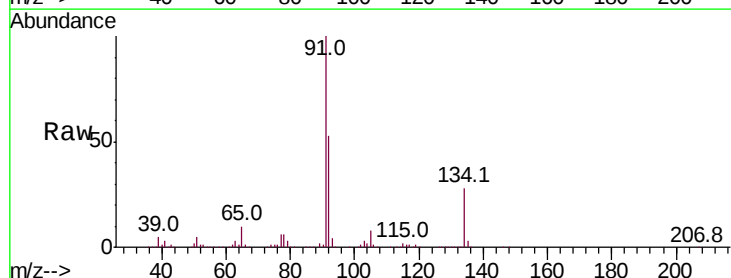
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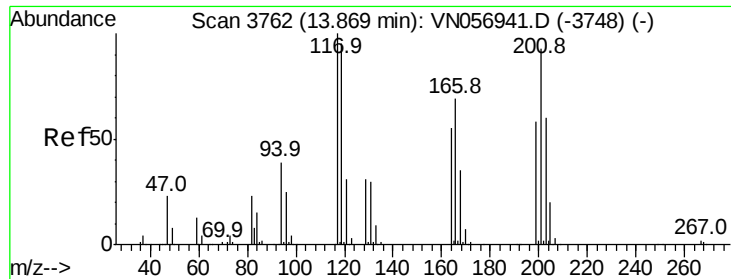
MMDadoda
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#89
 n-Butylbenzene
 Concen: 46.995 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	27.8	13.5	40.4





#90

Hexachloroethane

Concen: 49.237 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:117 Resp: 159902

Ion Ratio Lower Upper

117 100

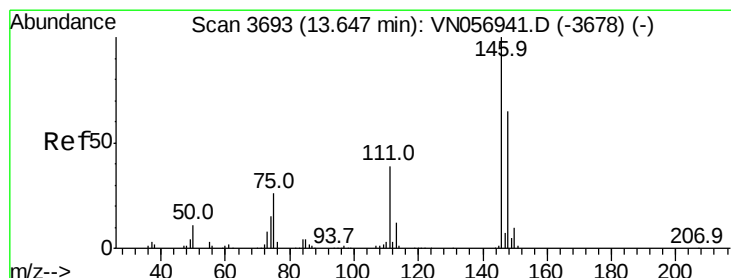
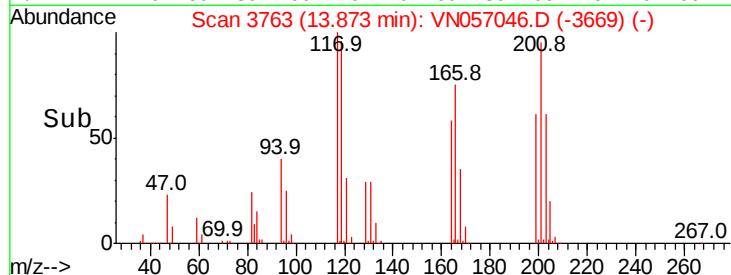
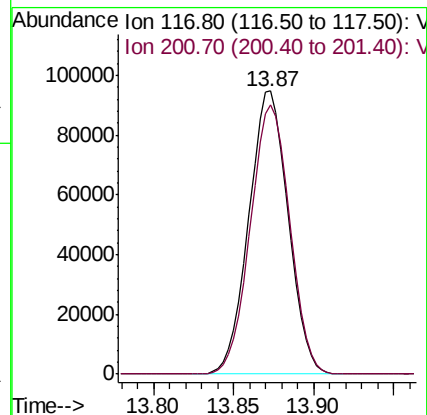
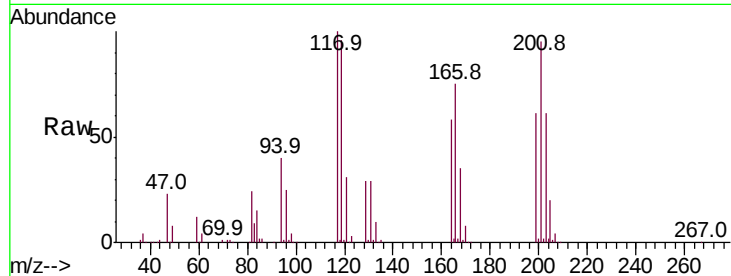
201 95.3 47.0 141.2

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#91

1,2-Dichlorobenzene

Concen: 50.706 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

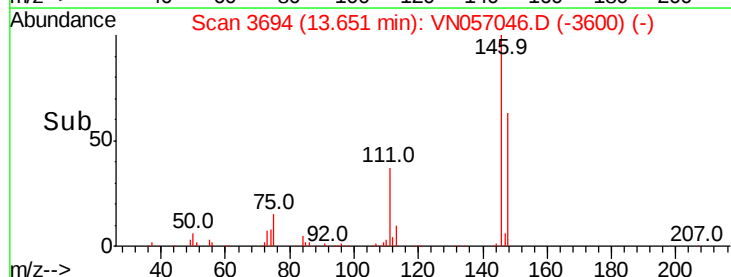
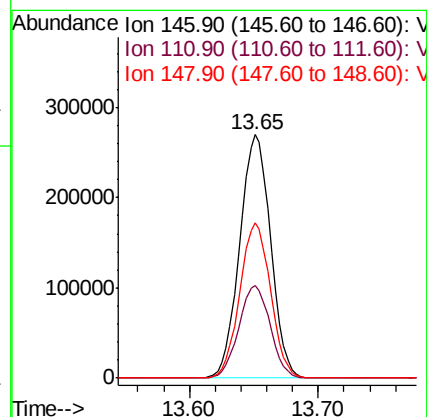
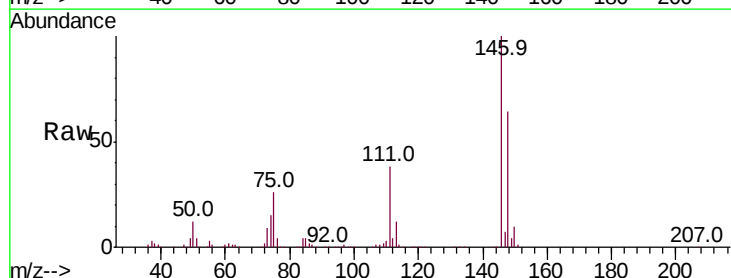
Tgt Ion:146 Resp: 449105

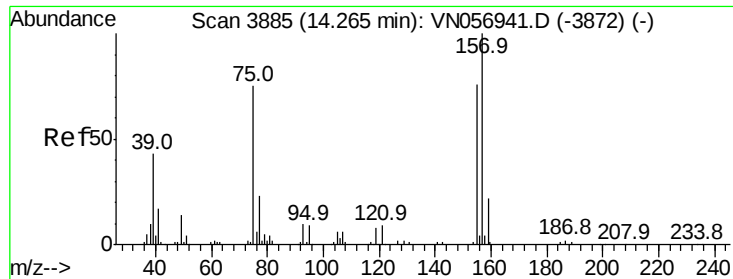
Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.4

148 63.5 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.053 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

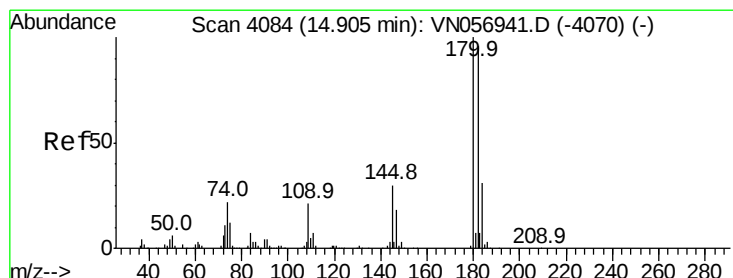
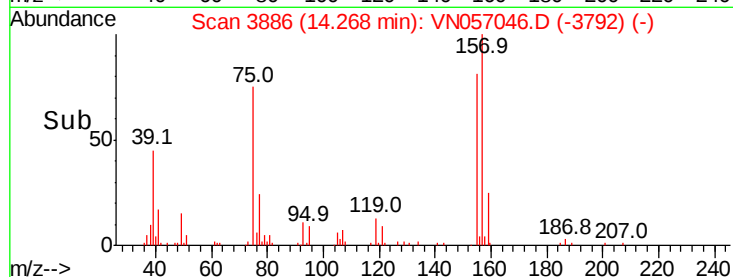
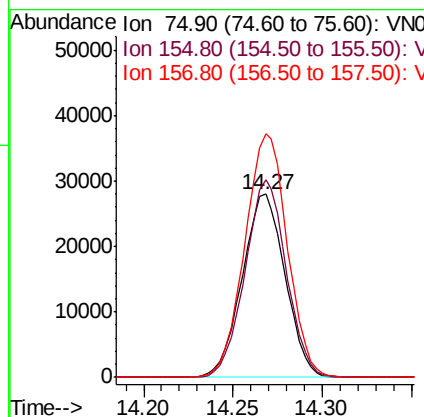
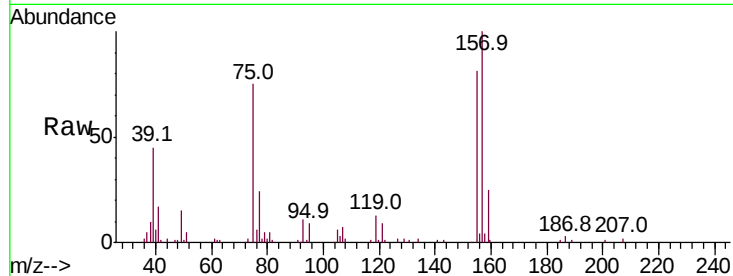
ClientSampleId :

BP-VPB203-GW-498-500MSD

Tot Ion:	75	Resp:	46930
Ion Ratio	Lower	Upper	
75	100		
155	103.5	50.2	150.6
157	131.5	65.1	195.4

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#93

1,2,4-Trichlorobenzene

Concen: 43.155 ug/l

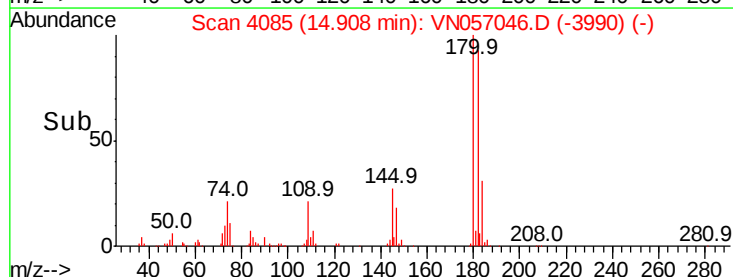
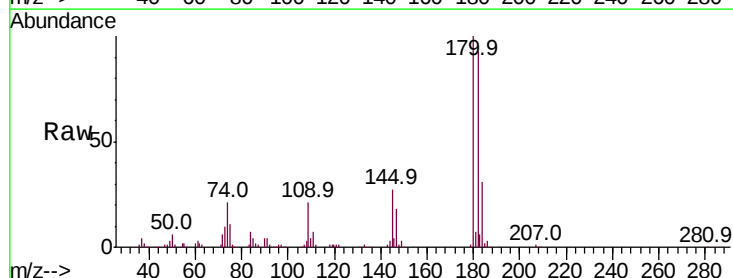
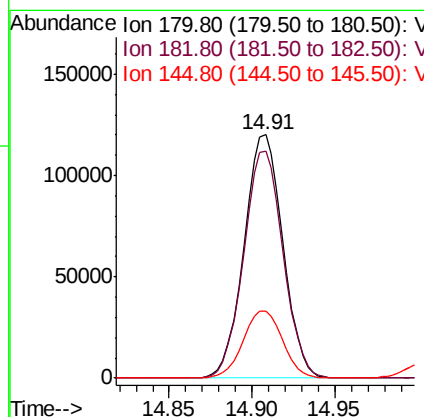
RT: 14.91 min Scan# 4085

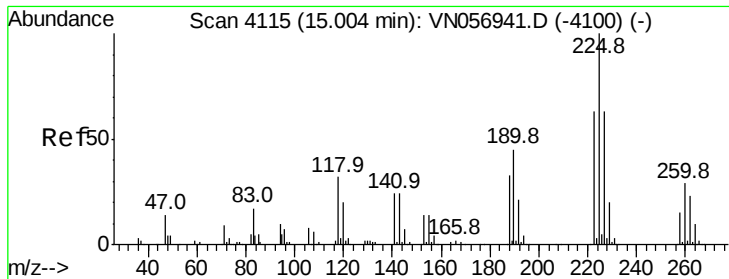
Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Tgt Ion:	180	Resp:	195390
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.8
145	28.0	14.2	42.8





#94

Hexachlorobutadiene

Concen: 51.266 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057046.D

Acq: 1 Aug 2019 18:41

Instrument :

MSVOA_N

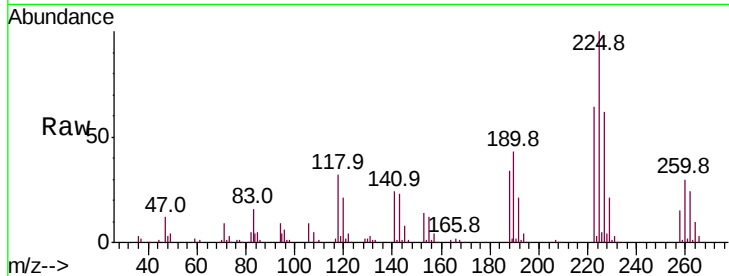
ClientSampled :

BP-VPB203-GW-498-500MSD

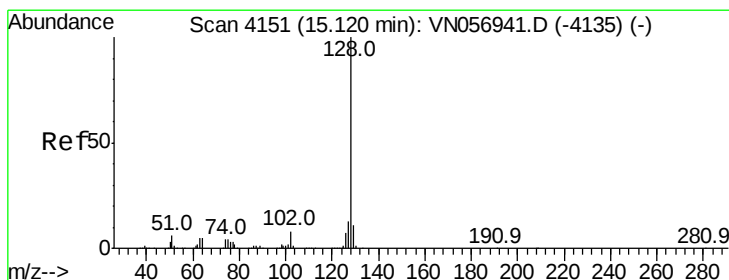
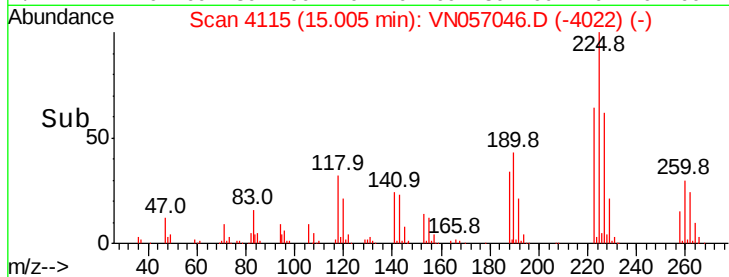
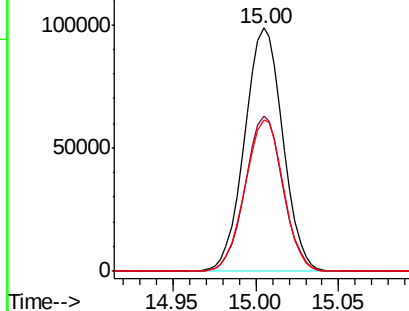
Tot Ion:	225	Resp:	158349
Ion Ratio	Lower	Upper	
225	100		
223	62.8	30.8	92.4
227	62.5	31.1	93.5

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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: 45.774 ug/l

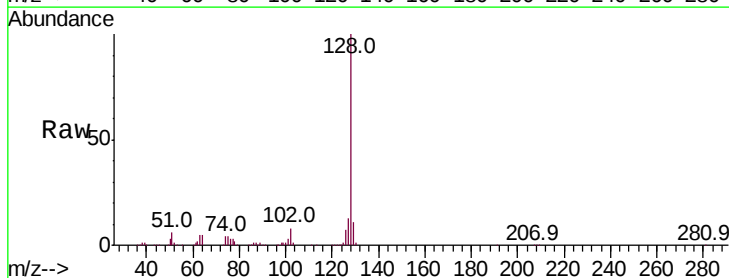
RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

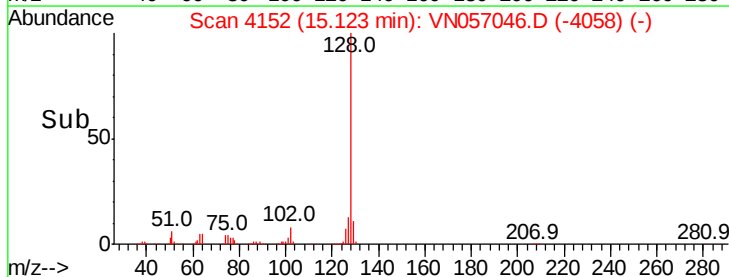
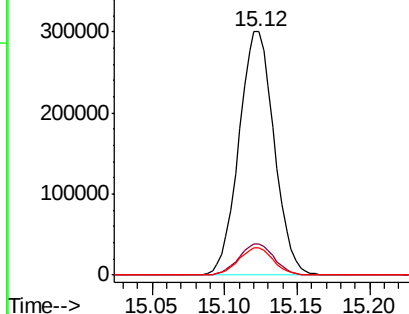
Lab File: VN057046.D

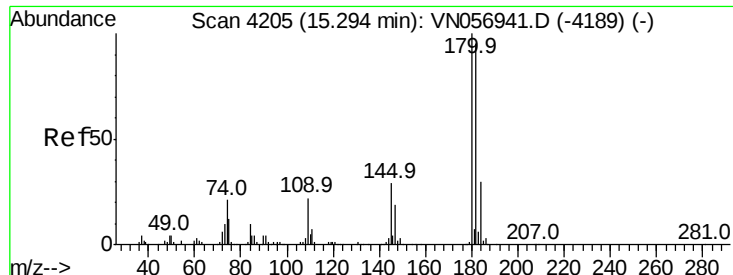
Acq: 1 Aug 2019 18:41

Tgt Ion:	128	Resp:	506480
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 46.842 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN057046.D
 Acq: 1 Aug 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	48.0	144.2
145	29.3	15.0	45.0

Manual Integrations
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 8/2/2019 11:18:10 AM

