

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057865.D
 Acq On : 10 Sep 2019 16:17
 Operator : JC/SP
 Sample : VN0911WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:11 AM

Quant Time: Sep 11 04:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	330190	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.58	113	233708	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.09	98	960118	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	328532	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	89763	20.538	ug/l	97
3) Chloromethane	2.03	50	84218	18.906	ug/l	98
4) Vinyl Chloride	2.16	62	91121	19.328	ug/l	99
5) Bromomethane	2.54	94	52333	19.264	ug/l	100
6) Chloroethane	2.68	64	56457	18.793	ug/l	94
7) Trichlorofluoromethane	2.99	101	102734	17.316	ug/l	100
8) Diethyl Ether	3.39	74	47247	19.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75646	20.211	ug/l	99
10) Methyl Iodide	3.93	142	73118	17.556	ug/l	98
11) Tert butyl alcohol	4.77	59	76855	99.203	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	63016	18.726	ug/l	97
13) Acrolein	3.58	56	53732	81.750	ug/l	98
14) Allyl chloride	4.30	41	121296	18.418	ug/l	99
15) Acrylonitrile	4.96	53	212372	99.733	ug/l	99
16) Acetone	3.80	43	198244	94.475	ug/l	99
17) Carbon Disulfide	4.03	76	94136	18.075	ug/l	98
18) Methyl Acetate	4.30	43	118779	21.230	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	281151	20.075	ug/l	98
20) Methylene Chloride	4.53	84	86303	20.888	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	69174	19.015	ug/l	97
22) Diisopropyl ether	5.93	45	311777	20.187	ug/l	97
23) Vinyl Acetate	5.88	43	1126218	102.896	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169268	20.054	ug/l	99
25) 2-Butanone	6.82	43	300952	99.093	ug/l	99
26) 2,2-Dichloropropane	6.80	77	127797	19.132	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	94400	19.364	ug/l	100
28) Bromochloromethane	7.18	49	83522	19.807	ug/l	98
29) Tetrahydrofuran	7.20	42	185555	99.150	ug/l	99
30) Chloroform	7.36	83	173914	19.706	ug/l	99
31) Cyclohexane	7.64	56	120476	19.585	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	134206	19.174	ug/l	98
36) 1,1-Dichloropropene	7.78	75	110052	18.095	ug/l	98
37) Ethyl Acetate	6.91	43	120834	19.230	ug/l	99
38) Carbon Tetrachloride	7.76	117	105136	18.934	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116426	18.210	ug/l	99
40) Benzene	8.03	78	352901	19.273	ug/l	98
41) Methacrylonitrile	7.16	41	57194m	20.051	ug/l	
42) 1,2-Dichloroethane	8.11	62	142067	19.400	ug/l	100
43) Isopropyl Acetate	8.15	43	217079	20.543	ug/l #	88
44) Trichloroethene	8.83	130	86330	19.223	ug/l	98
45) 1,2-Dichloropropane	9.11	63	104967	19.701	ug/l	99
46) Dibromomethane	9.20	93	63113	19.602	ug/l	98
47) Bromodichloromethane	9.40	83	124154	19.311	ug/l	97
48) Methyl methacrylate	9.19	41	99132	18.493	ug/l	99
49) 1,4-Dioxane	9.19	88	34595	381.637	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	650686	104.054	ug/l	100
52) Toluene	10.15	92	222584	19.300	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	127385	18.815	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	143544	19.203	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96150	19.682	ug/l	96
56) Ethyl methacrylate	10.43	69	139670	18.986	ug/l	97
57) 1,3-Dichloropropane	10.71	76	167493	19.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	339168	97.889	ug/l	100
59) 2-Hexanone	10.75	43	465374	99.287	ug/l	99
60) Dibromochloromethane	10.90	129	83593	18.428	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89343	19.345	ug/l	99
64) Tetrachloroethene	10.63	164	66723	18.564	ug/l	97
65) Chlorobenzene	11.43	112	245948	19.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86286	19.520	ug/l	99
67) Ethyl Benzene	11.51	91	441628	19.781	ug/l	99
68) m/p-Xylenes	11.62	106	326701	39.948	ug/l	99
69) o-Xylene	11.95	106	161950	19.919	ug/l	100
70) Styrene	11.97	104	276120	19.734	ug/l	99
71) Bromoform	12.13	173	50063	18.165	ug/l #	97
73) Isopropylbenzene	12.25	105	439726	20.202	ug/l	99
74) N-amyl acetate	12.07	43	190006	20.058	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144097	19.662	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	119783m	18.877	ug/l	
77) Bromobenzene	12.53	156	102161	18.825	ug/l	98
78) n-propylbenzene	12.59	91	515901	20.641	ug/l	100
79) 2-Chlorotoluene	12.68	91	308532	19.531	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	376723	20.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31802	17.636	ug/l	90
82) 4-Chlorotoluene	12.78	91	316471	19.508	ug/l	99
83) tert-Butylbenzene	13.00	119	333504	20.400	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	377741	20.209	ug/l	100
85) sec-Butylbenzene	13.18	105	443736	20.479	ug/l	99
86) p-Isopropyltoluene	13.29	119	396044	20.744	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194212	19.497	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	195087	19.295	ug/l	99
89) n-Butylbenzene	13.62	91	363440	20.158	ug/l	100
90) Hexachloroethane	13.88	117	53047	18.683	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	194201	19.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22768	18.812	ug/l	97

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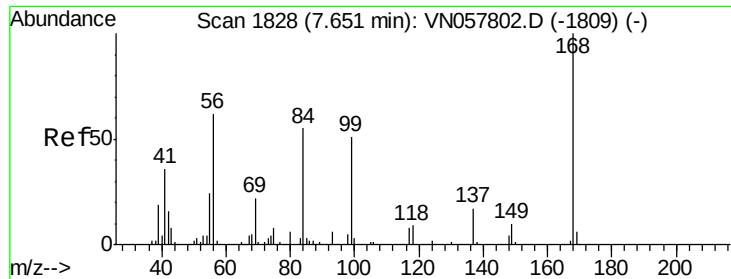
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115312	17.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	53251	19.313	ug/l	98
95) Naphthalene	15.13	128	327713	18.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	111984	20.326	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 168 Resp: 316033

Ion Ratio Lower Upper

168 100

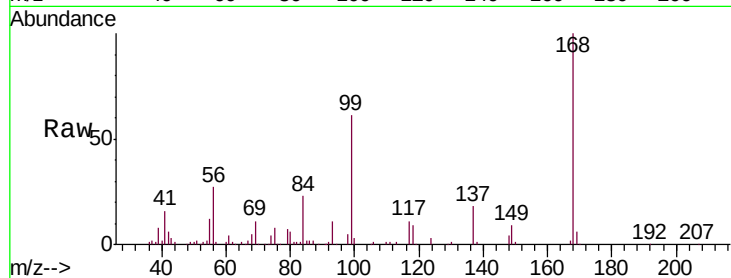
99 60.6 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

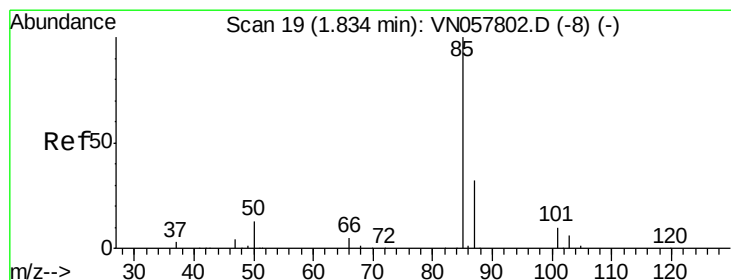
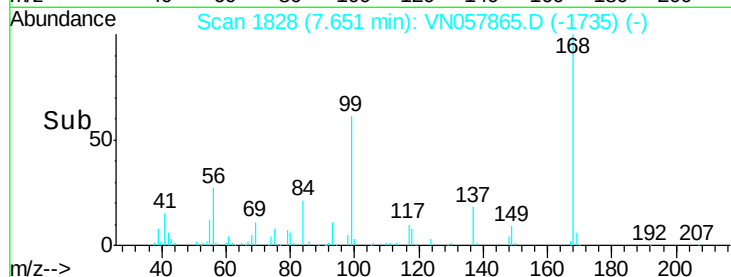
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.538 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057865.D

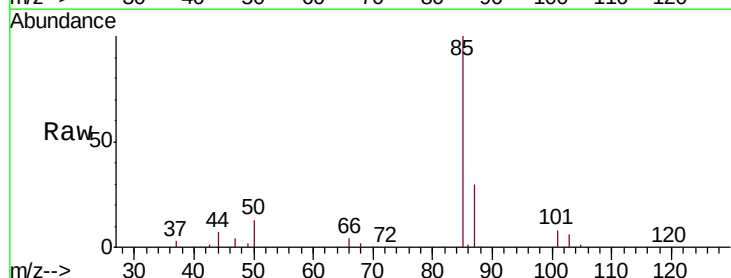
Acq: 10 Sep 2019 16:17

Tgt Ion: 85 Resp: 89763

Ion Ratio Lower Upper

85 100

87 30.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

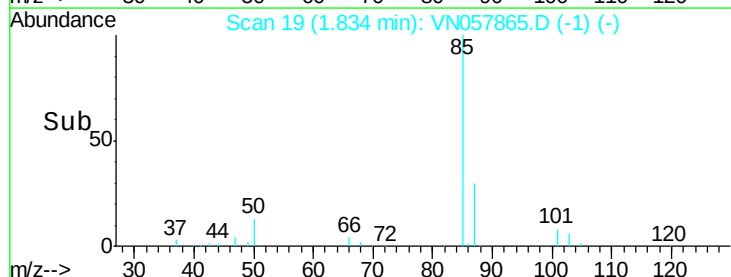
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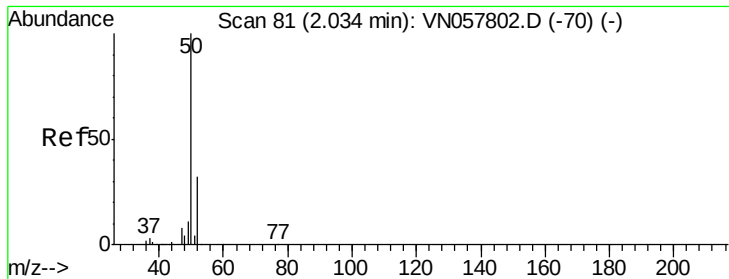
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.906 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 50 Resp: 84218

Ion Ratio Lower Upper

50 100

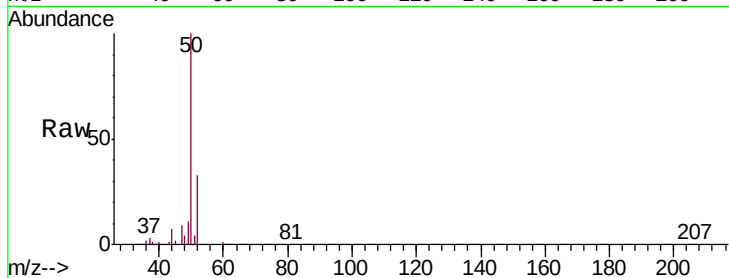
52 32.8 25.5 38.3

Manual Integrations

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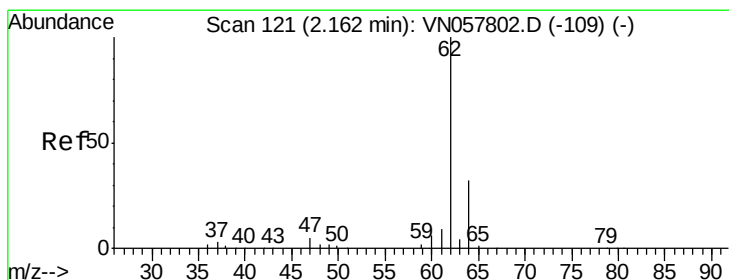
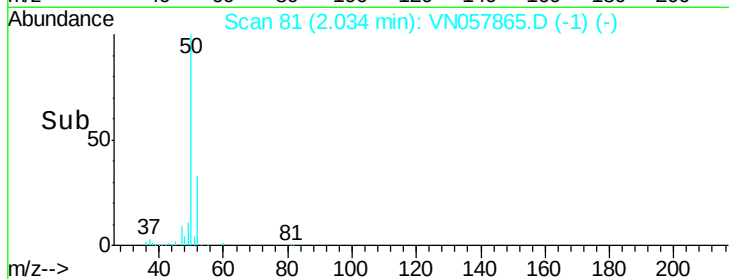
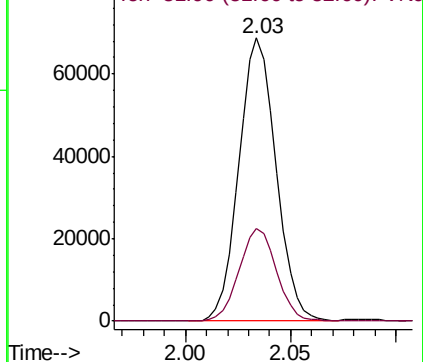
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.328 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057865.D

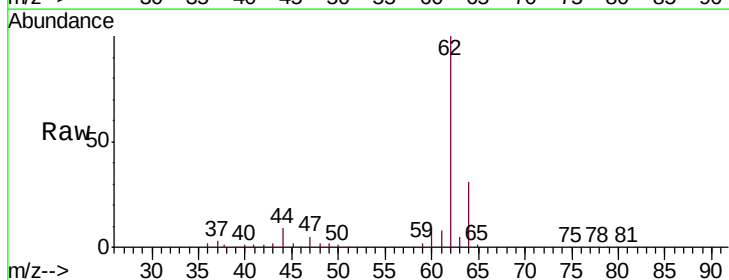
Acq: 10 Sep 2019 16:17

Tgt Ion: 62 Resp: 91121

Ion Ratio Lower Upper

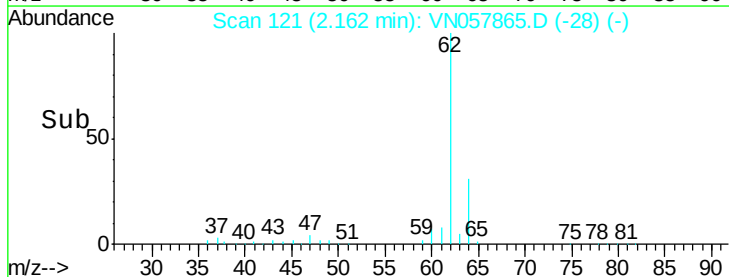
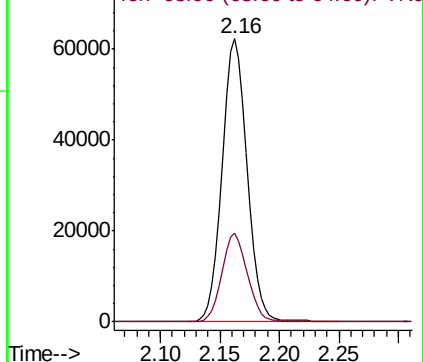
62 100

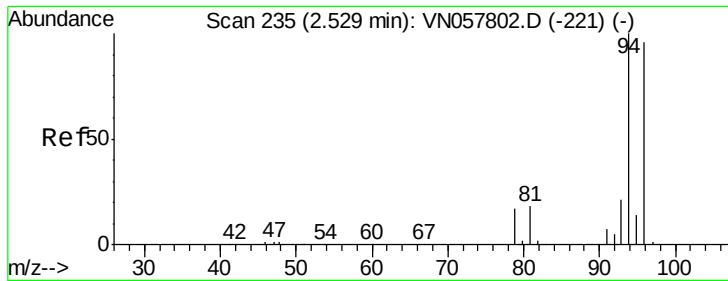
64 31.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.264 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057865.D

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VN0911WBSD01

Tgt Ion: 94 Resp: 52333

Ion Ratio Lower Upper

94 100

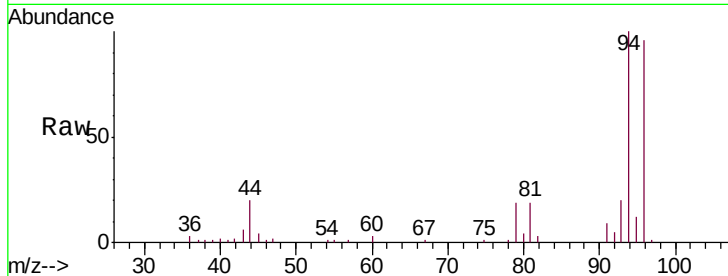
96 95.8 77.0 115.4

Manual Integrations

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9/13/2019 7:06:11 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

25000

20000

15000

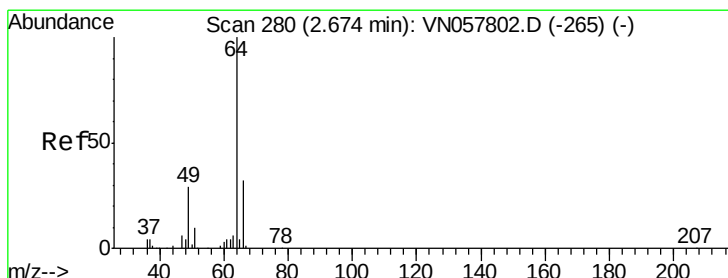
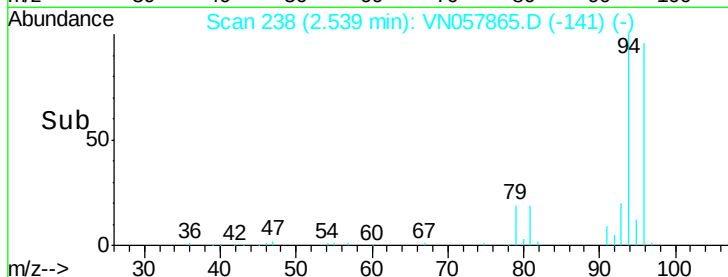
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 18.793 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057865.D

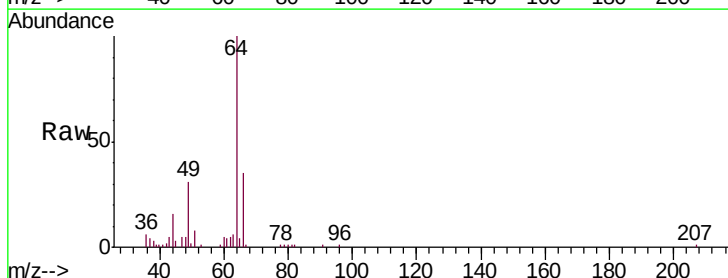
Acq: 10 Sep 2019 16:17

Tgt Ion: 64 Resp: 56457

Ion Ratio Lower Upper

64 100

66 35.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

15000

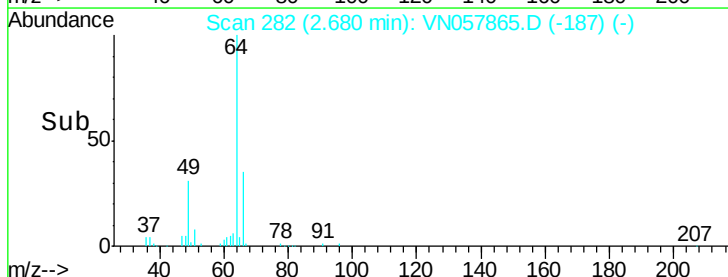
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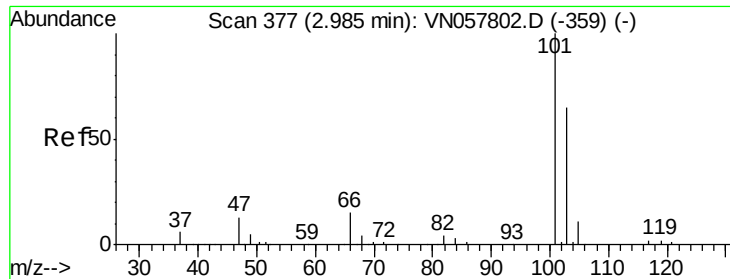
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0

Time-->

2.60 2.65 2.70 2.75





#7

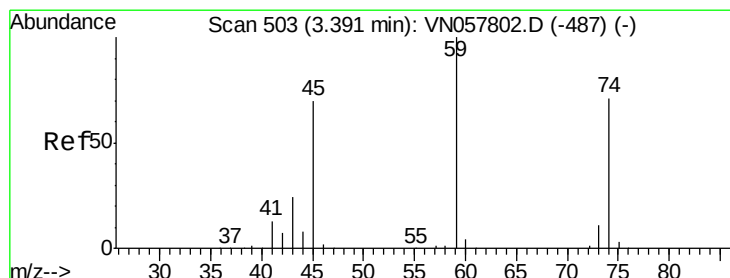
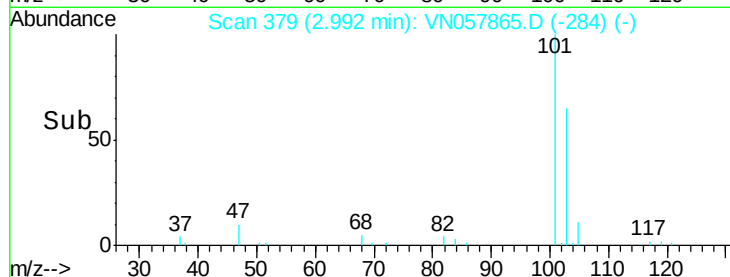
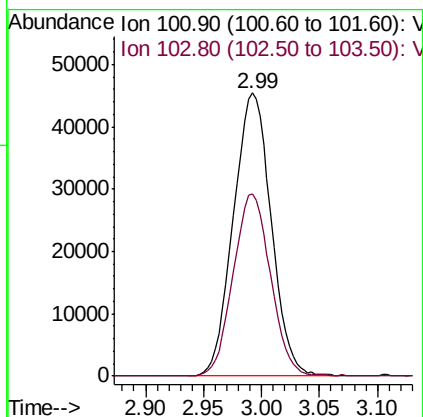
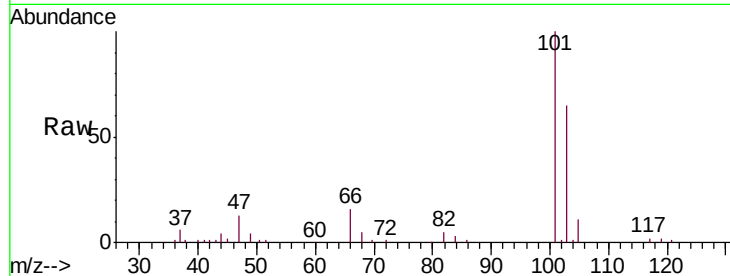
Trichlorofluoromethane
Concen: 17.316 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.01 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 101 Resp: 102734
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9

Manual Integrations
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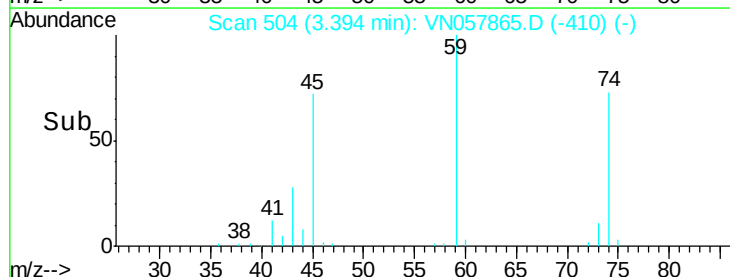
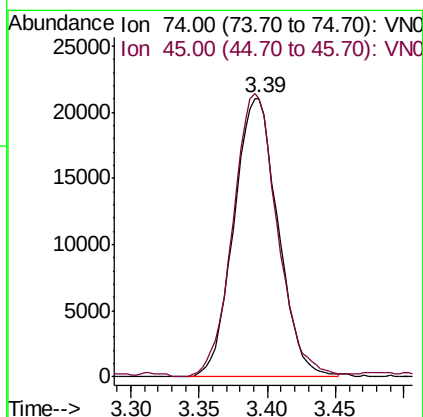
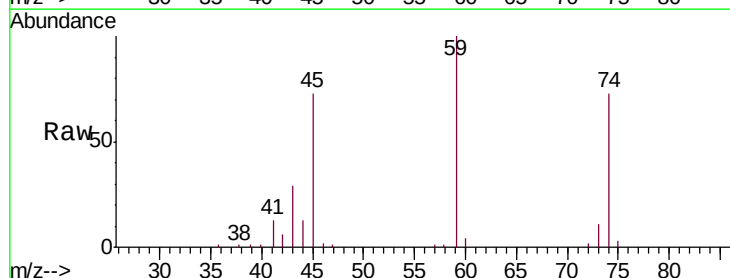
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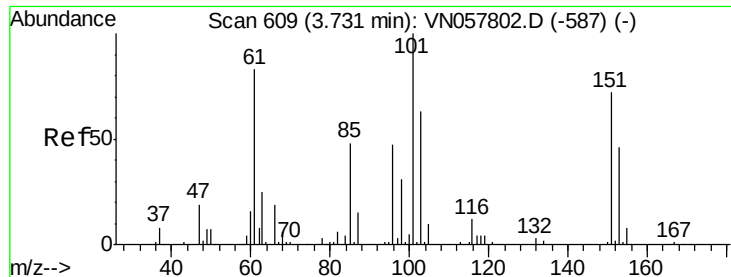


#8

Diethyl Ether
Concen: 19.093 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 74 Resp: 47247
Ion Ratio Lower Upper
74 100
45 102.7 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.211 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

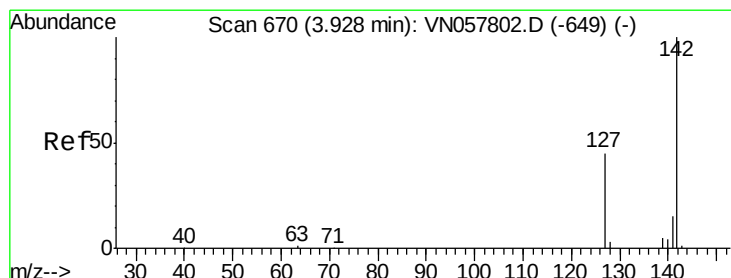
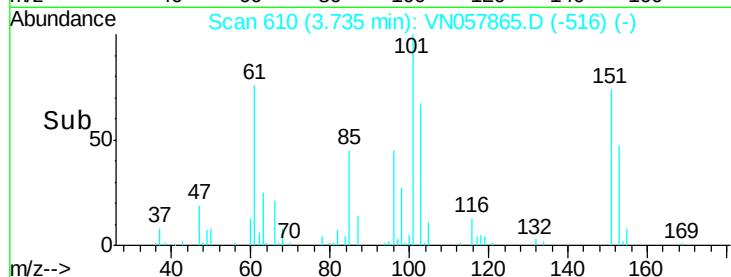
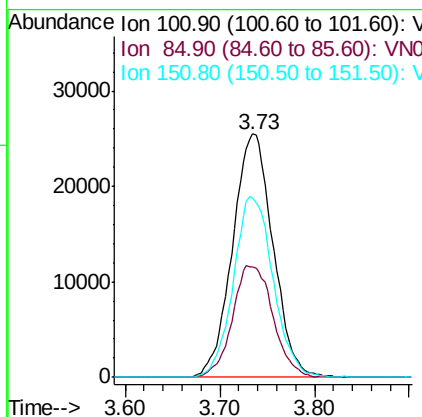
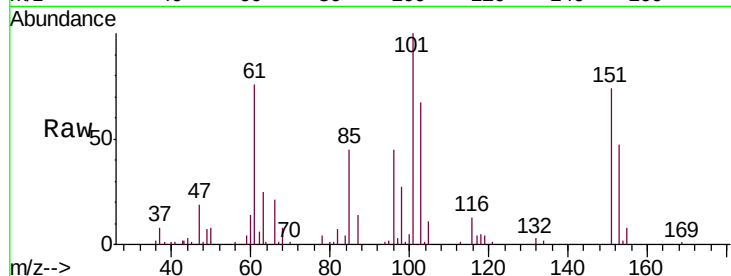
ClientSampleId :

VN0911WBSD01

Tgt Ion:	101	Resp:	75646
Ion Ratio	Lower	Upper	
101	100		
85	45.8	38.1	57.1
151	73.2	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.556 ug/l

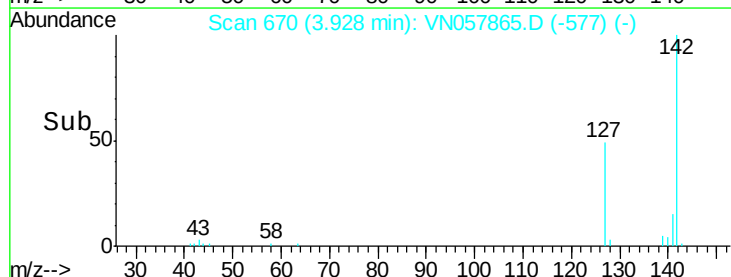
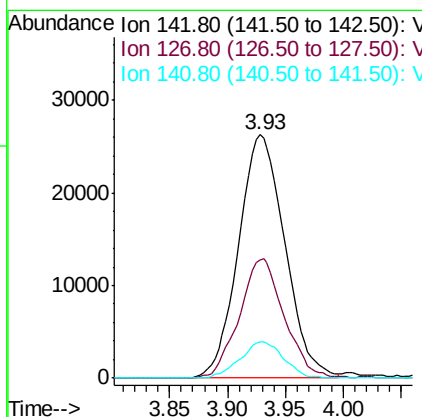
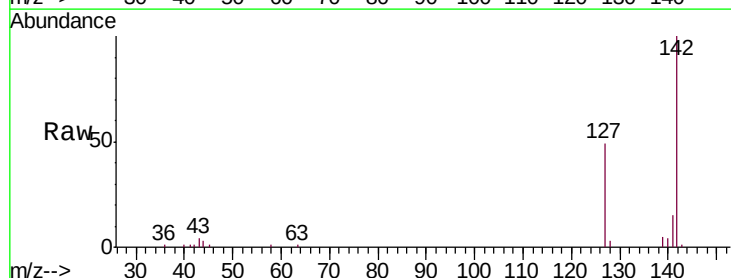
RT: 3.93 min Scan# 670

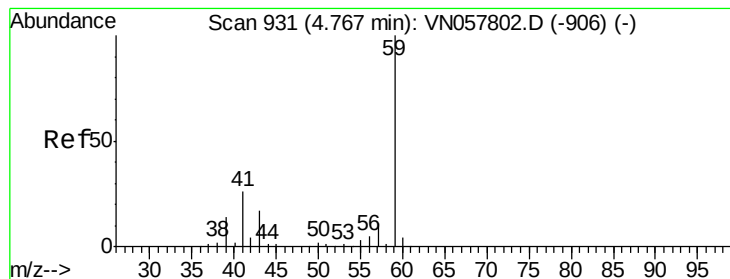
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	142	Resp:	73118
Ion Ratio	Lower	Upper	
142	100		
127	47.4	36.7	55.1
141	14.0	11.4	17.0





#11

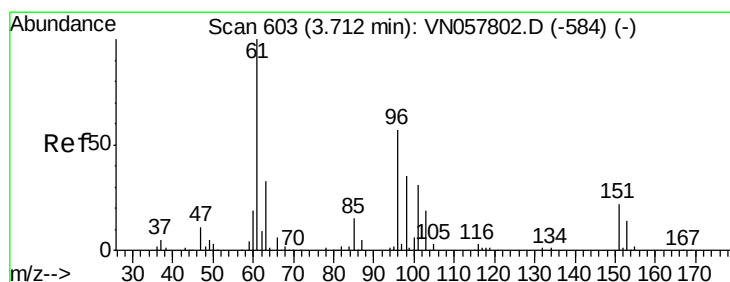
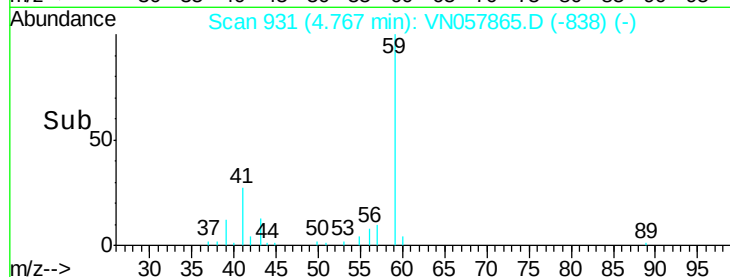
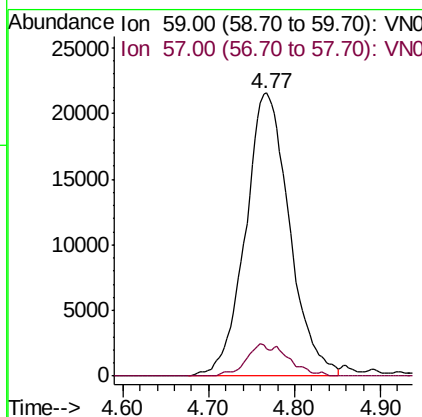
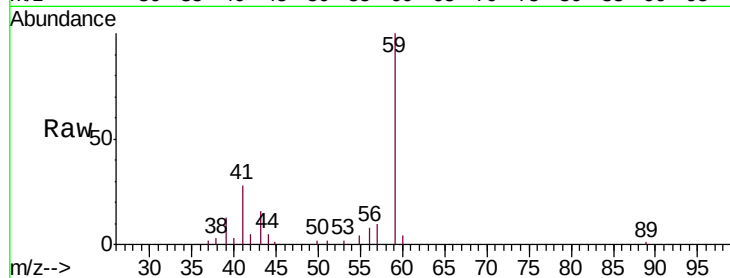
Tert butyl alcohol
 Concen: 99.203 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.4	12.6#

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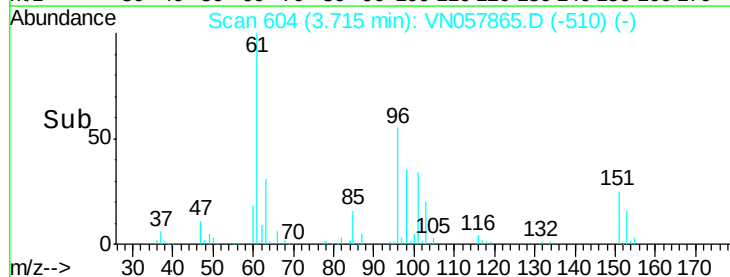
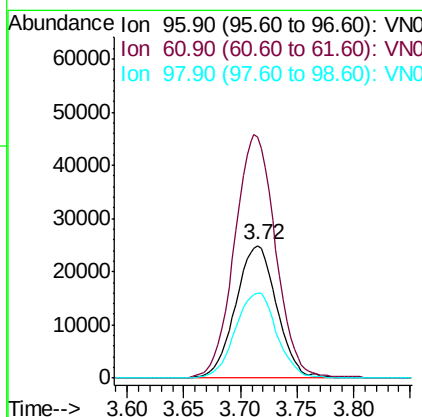
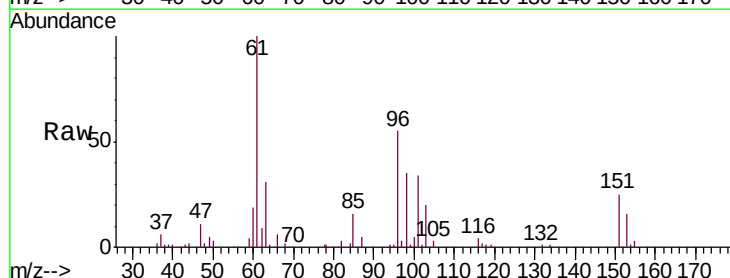
MMDadoda
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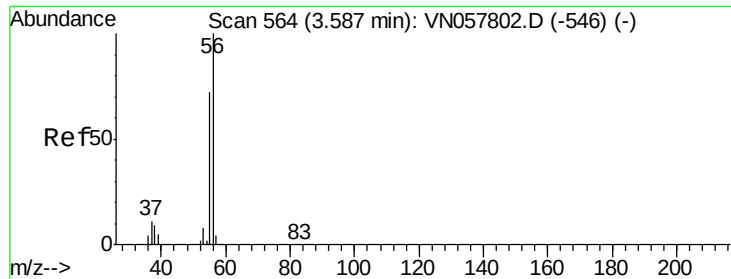


#12

1,1-Dichloroethene
 Concen: 18.726 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.6	141.2	211.8
98	64.0	49.9	74.9





#13

Acrolein

Concen: 81.750 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 56 Resp: 53732

Ion Ratio Lower Upper

56 100

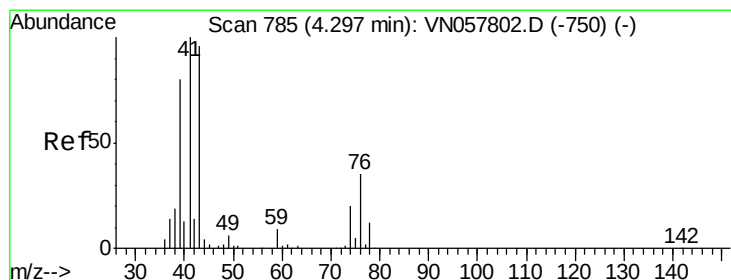
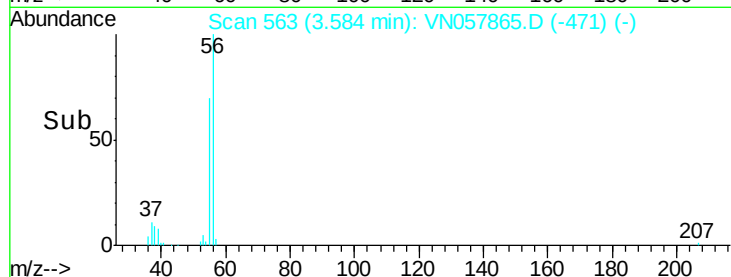
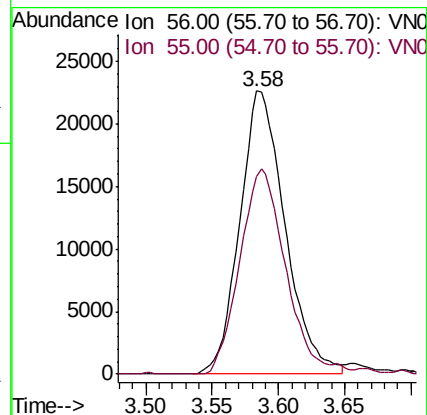
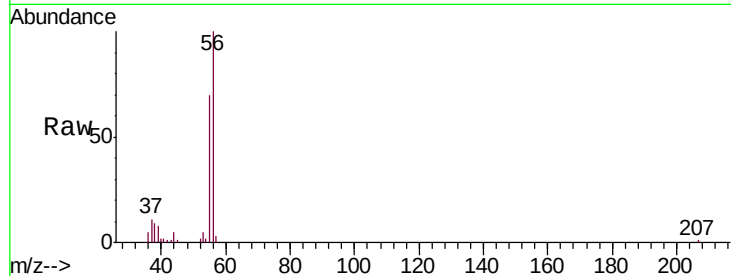
55 73.4 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 18.418 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

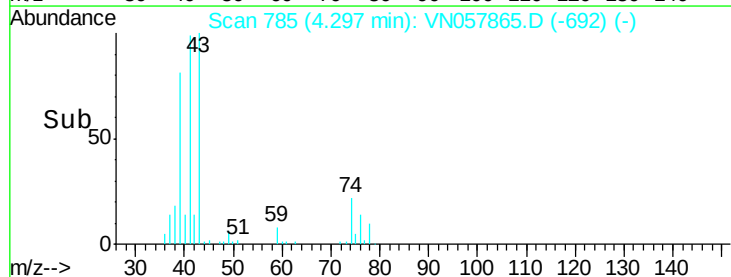
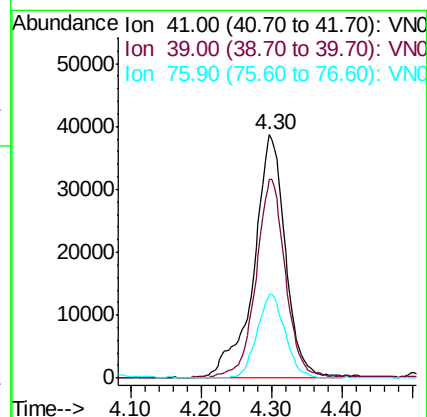
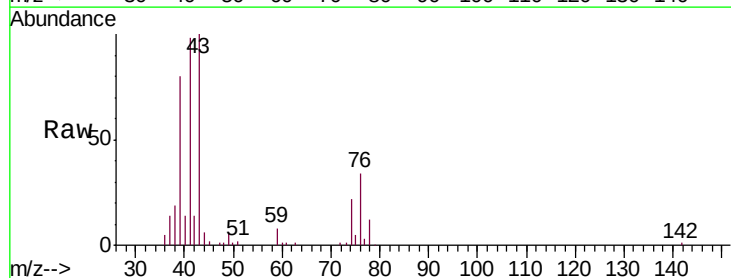
Tgt Ion: 41 Resp: 121296

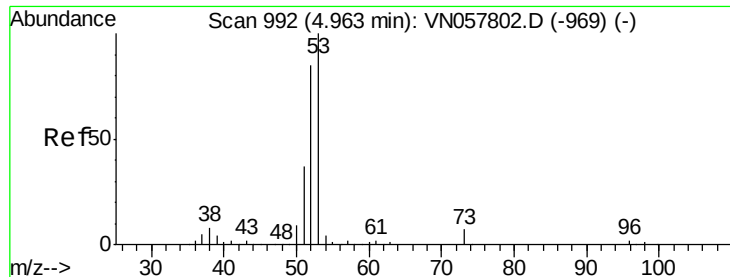
Ion Ratio Lower Upper

41 100

39 74.5 59.4 89.2

76 30.6 26.0 39.0





#15

Acrylonitrile

Concen: 99.733 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

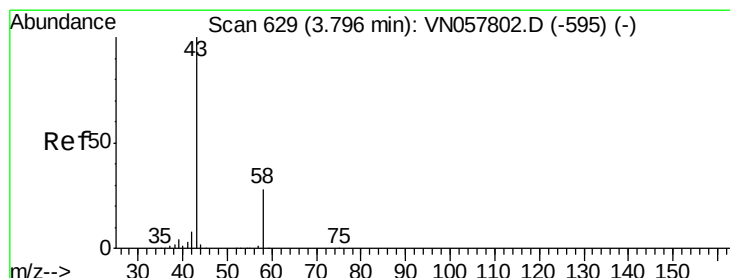
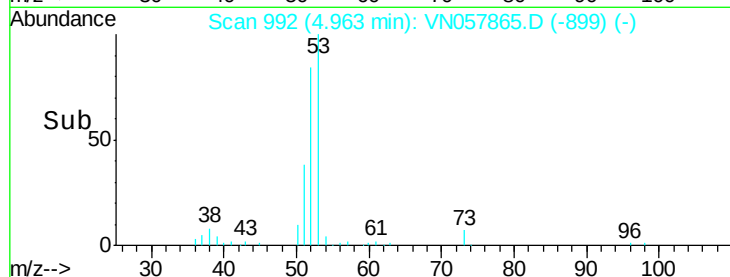
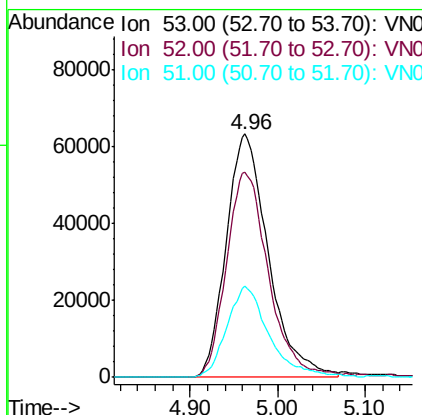
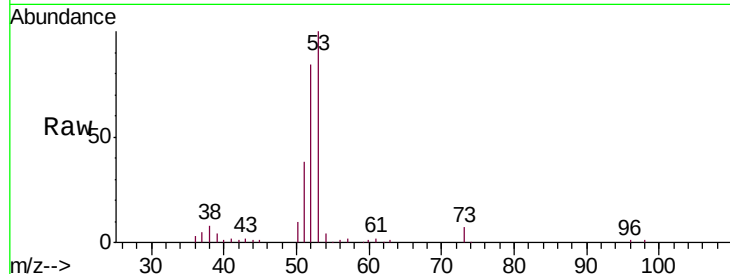
ClientSampleId :

VN0911WBSD01

Tgt Ion:	53	Resp:	212372
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	100.0
51	37.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 94.475 ug/l

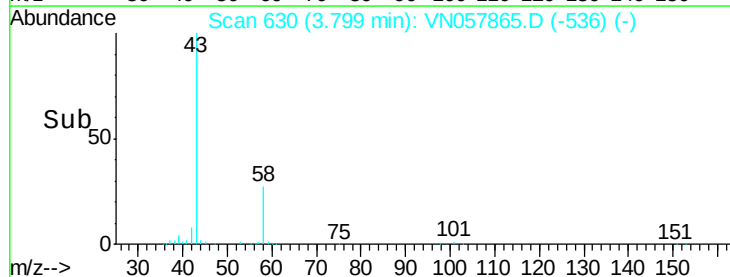
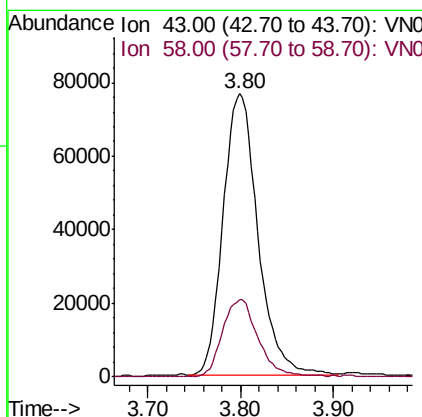
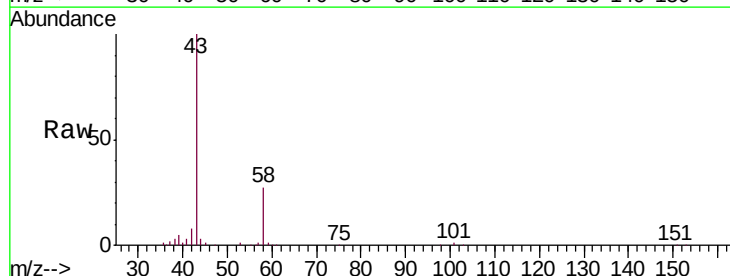
RT: 3.80 min Scan# 630

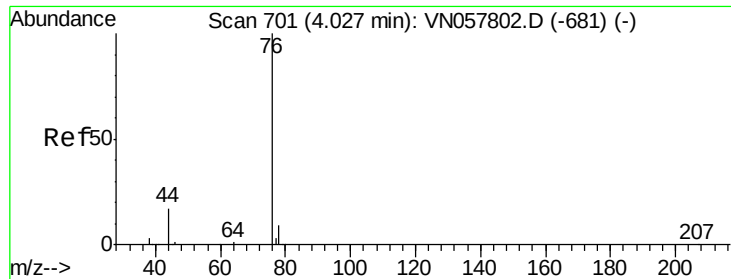
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	43	Resp:	198244
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.2	33.2





#17

Carbon Disulfide

Concen: 18.075 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 76 Resp: 94136

Ion Ratio Lower Upper

76 100

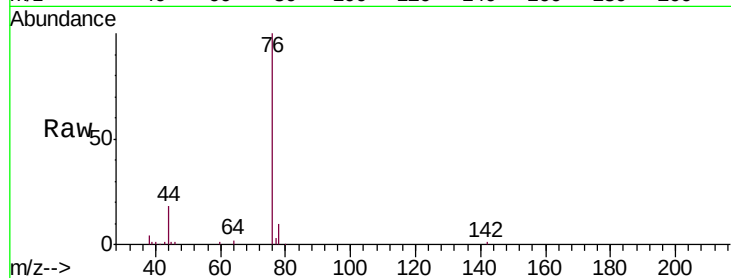
78 9.6 7.1 10.7

Manual Integrations

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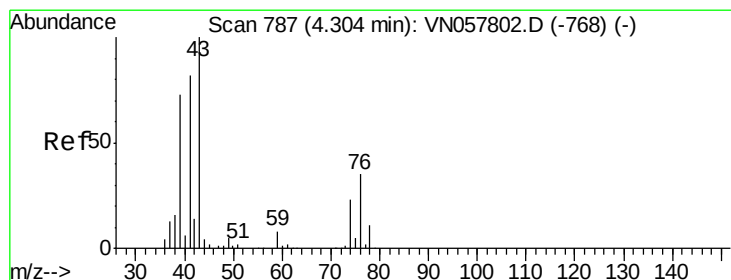
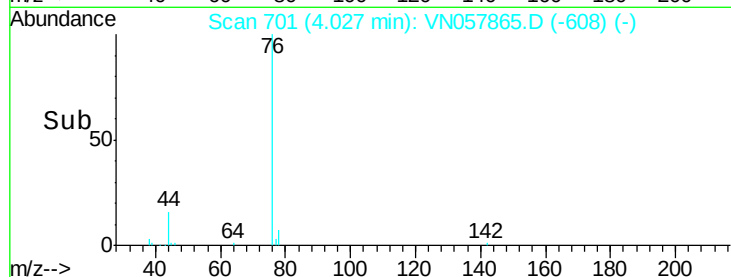
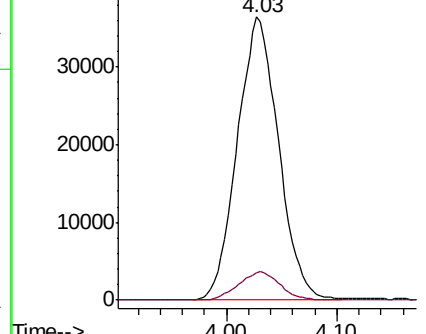
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.230 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057865.D

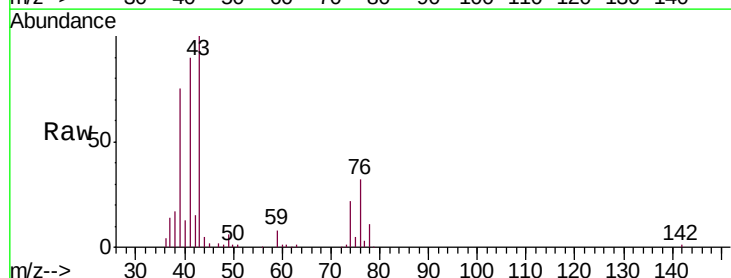
Acq: 10 Sep 2019 16:17

Tgt Ion: 43 Resp: 118779

Ion Ratio Lower Upper

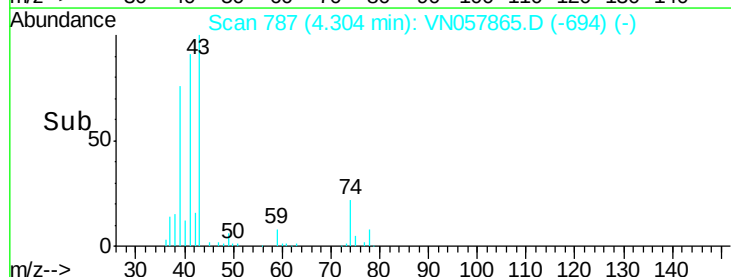
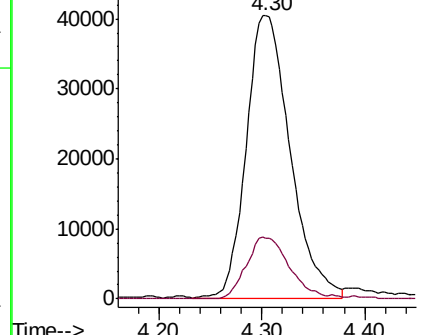
43 100

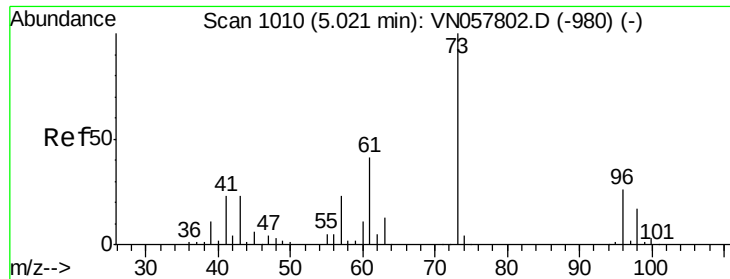
74 21.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





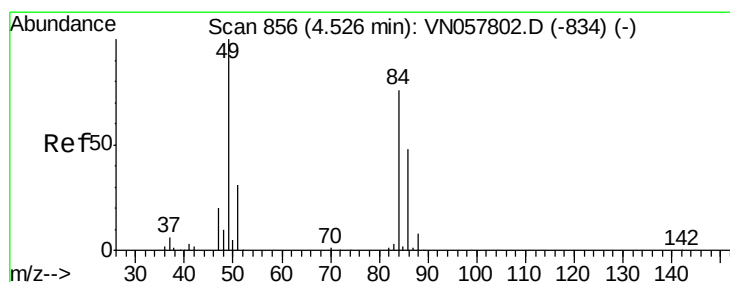
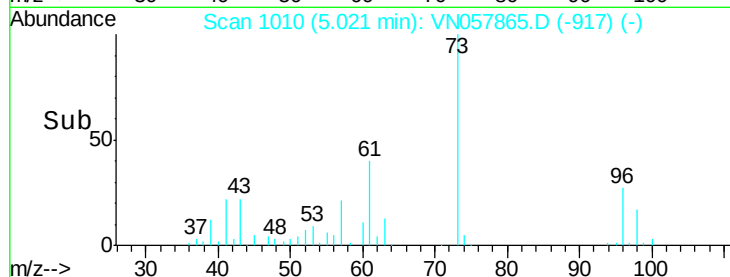
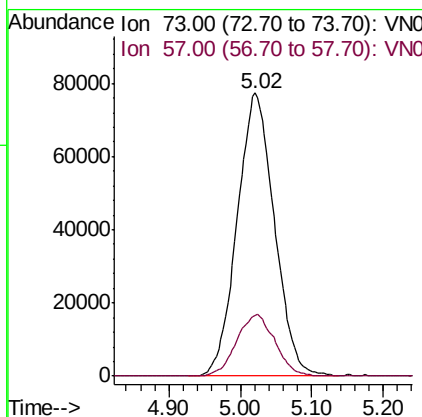
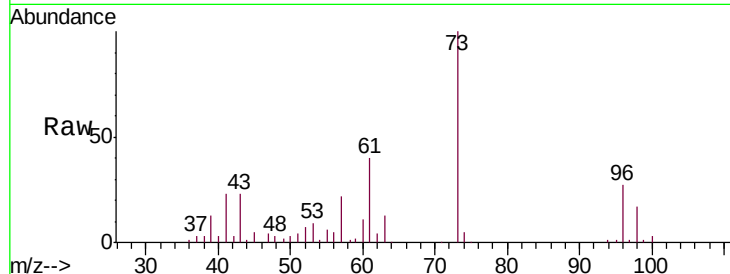
#19
Methyl tert-butyl Ether
Concen: 20.075 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 73 Resp: 281151
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

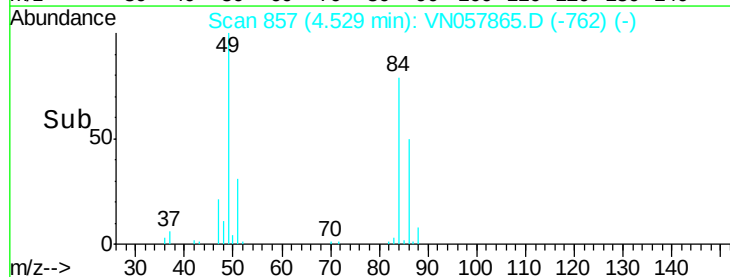
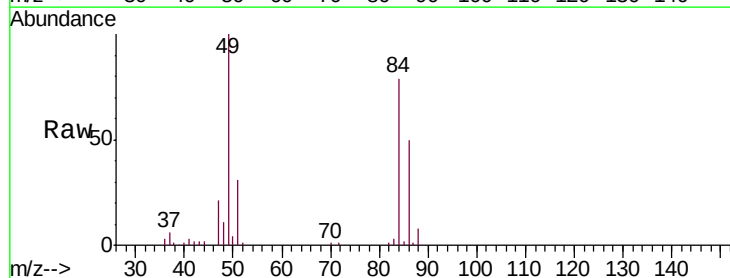
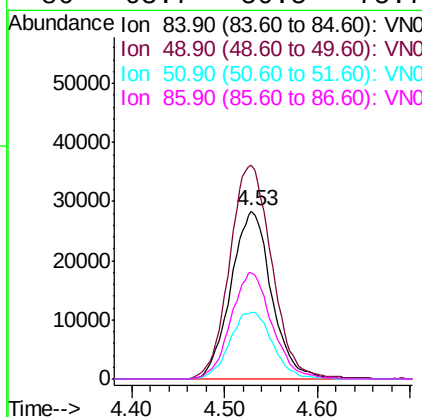
Manual Integrations
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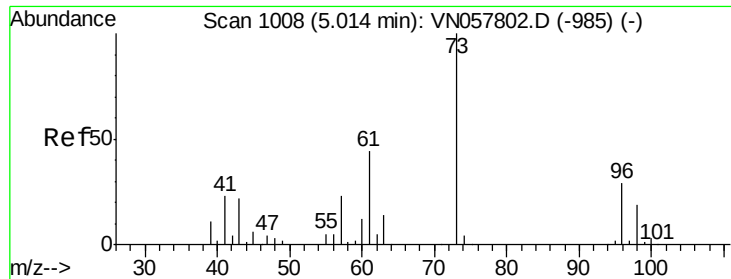
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#20
Methylene Chloride
Concen: 20.888 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 84 Resp: 86303
Ion Ratio Lower Upper
84 100
49 127.4 104.8 157.2
51 39.6 33.0 49.4
86 63.7 50.5 75.7





#21

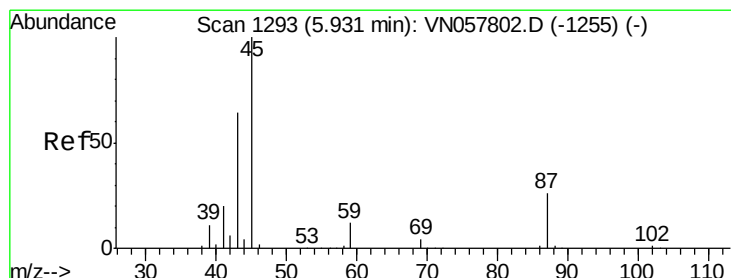
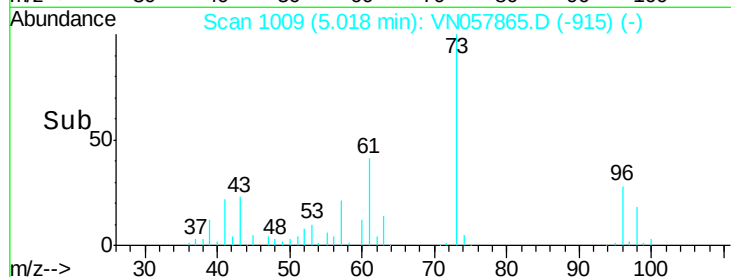
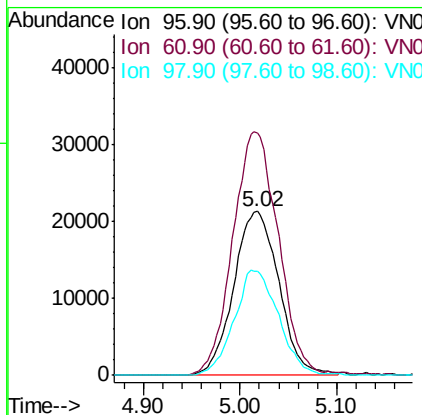
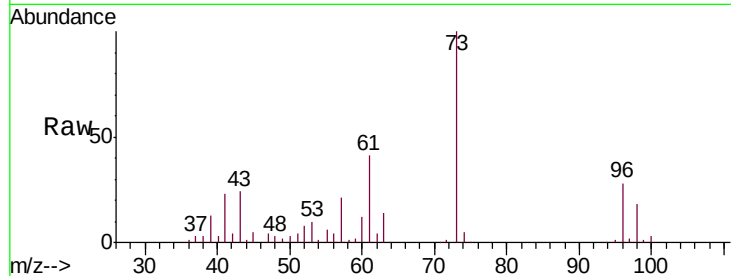
trans-1,2-Dichloroethene
Concen: 19.015 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	121.9	182.9
98	63.4	52.2	78.4

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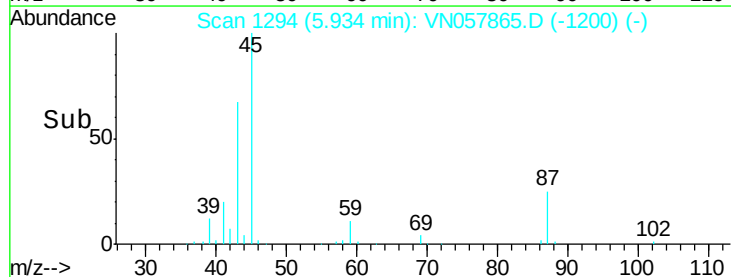
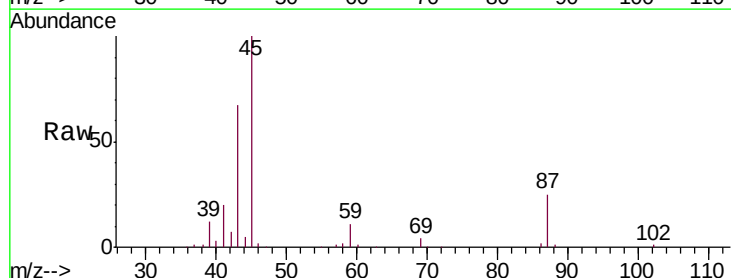
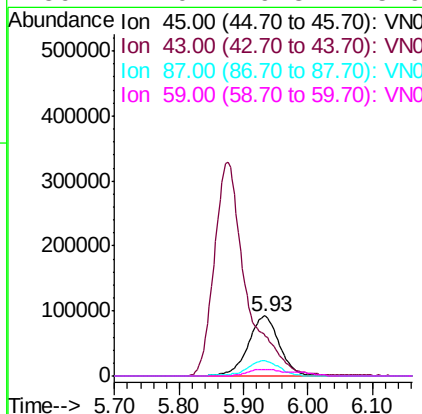
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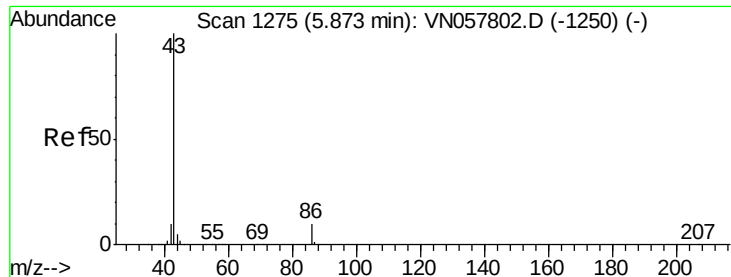


#22

Diisopropyl ether
Concen: 20.187 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.4	51.4	77.2
87	25.2	21.3	31.9
59	11.0	9.3	13.9





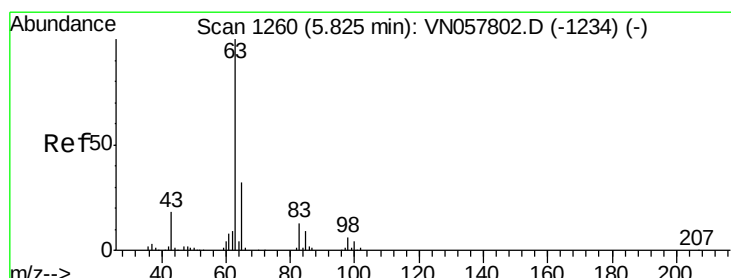
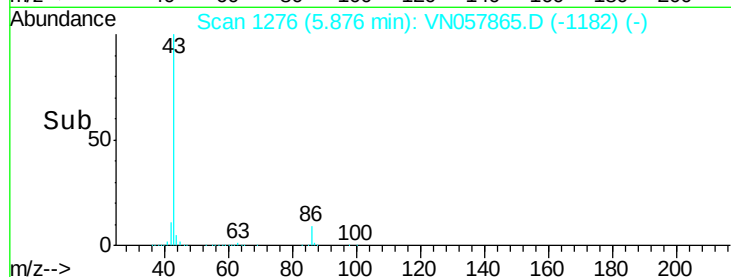
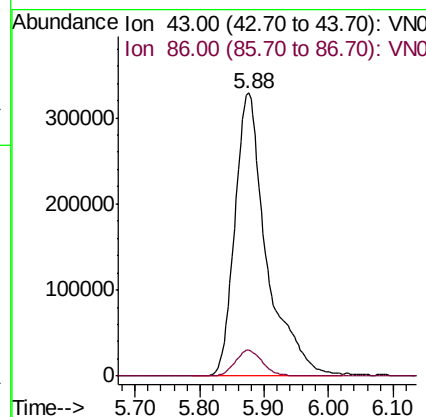
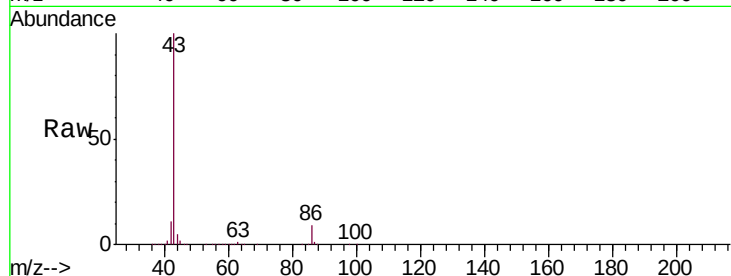
#23
 Vinyl Acetate
 Concen: 102.896 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion: 43 Resp: 1126218
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

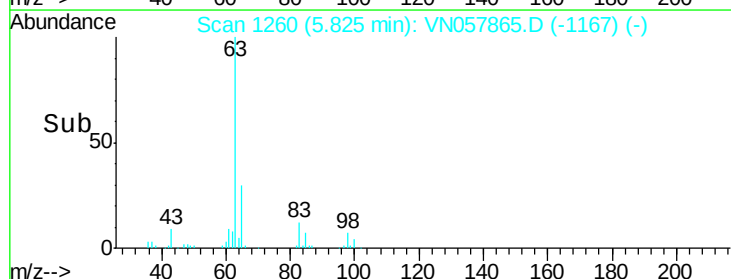
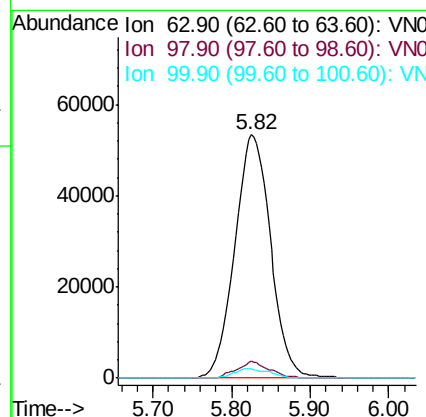
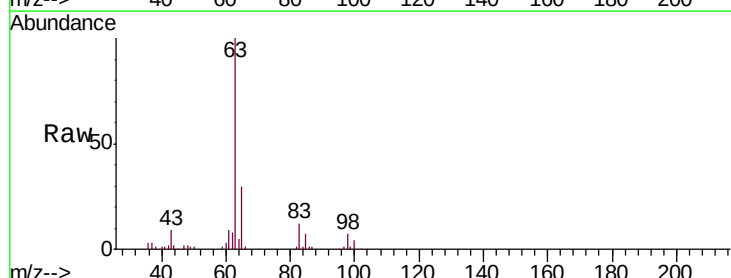
Manual Integrations
 APPROVED

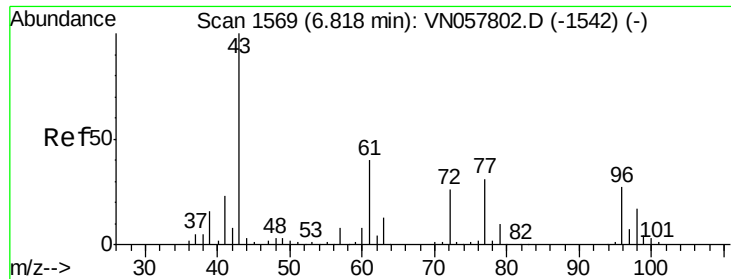
MMDadoda
 9/13/2019 7:06:11 AM



#24
 1,1-Dichloroethane
 Concen: 20.054 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 63 Resp: 169268
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 99.093 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 43 Resp: 300952

Ion Ratio Lower Upper

43 100

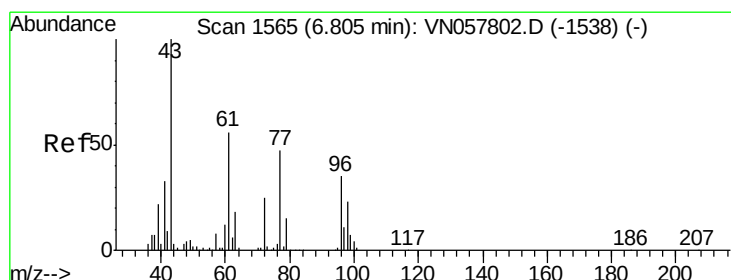
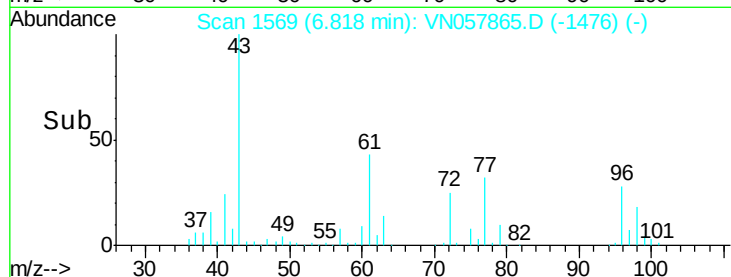
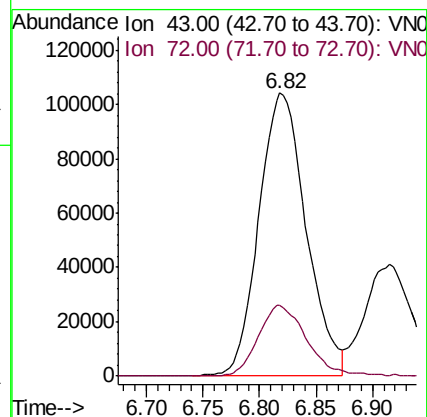
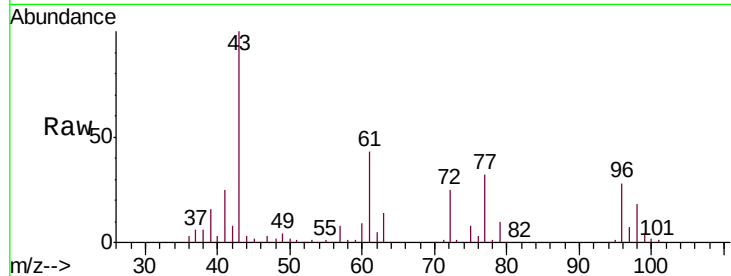
72 25.0 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.132 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057865.D

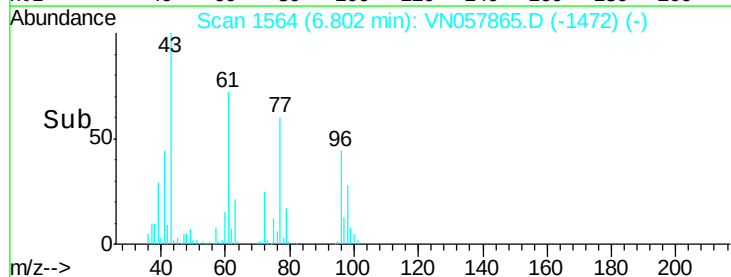
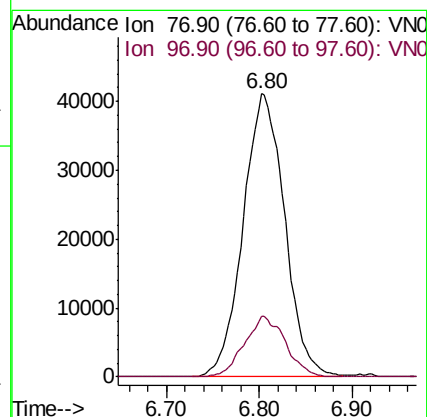
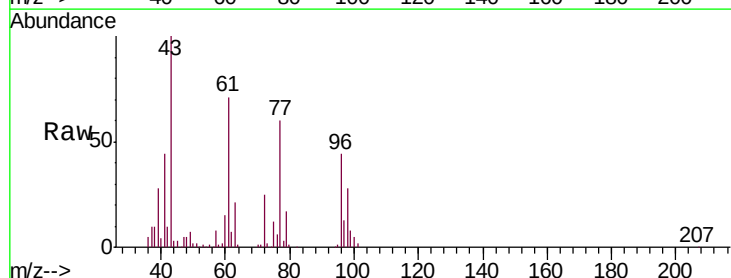
Acq: 10 Sep 2019 16:17

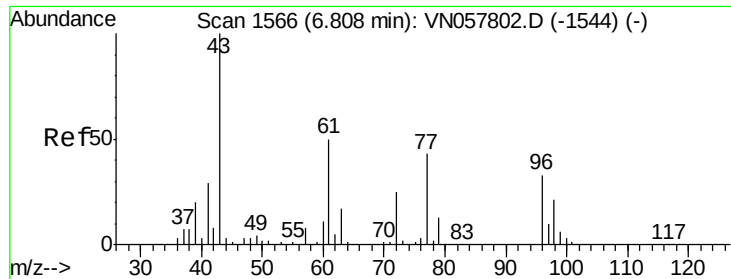
Tgt Ion: 77 Resp: 127797

Ion Ratio Lower Upper

77 100

97 21.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.364 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

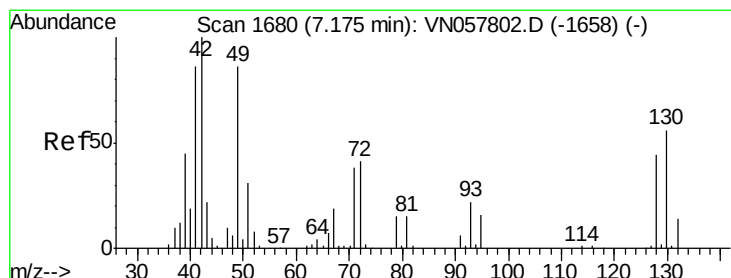
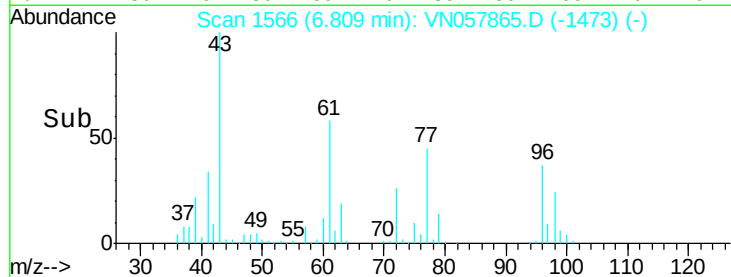
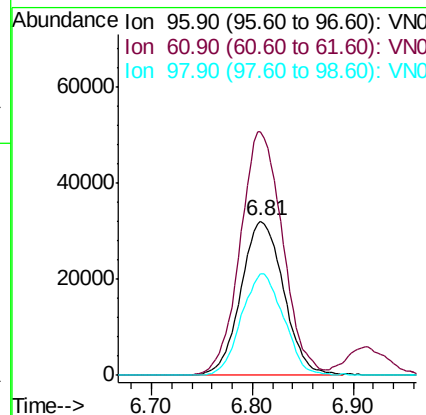
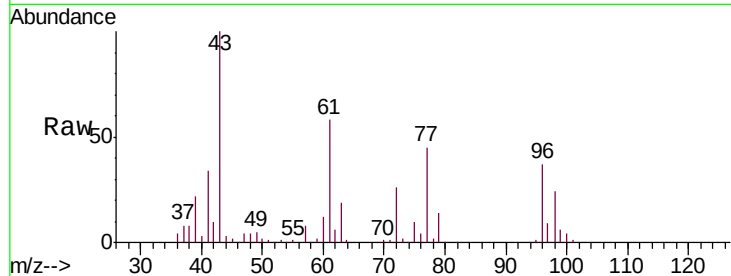
ClientSampleId :

VN0911WBSD01

Tgt Ion:	96	Resp:	94400
Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	314.0
98	65.0	0.0	128.6

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#28

Bromochloromethane

Concen: 19.807 ug/l

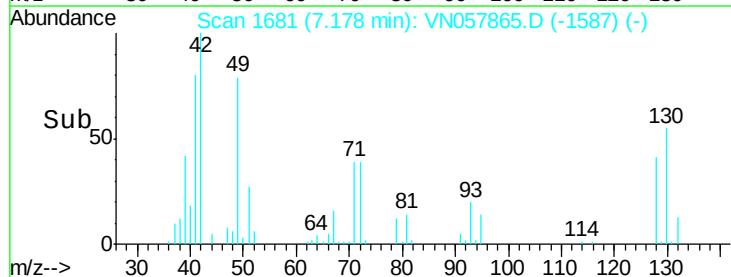
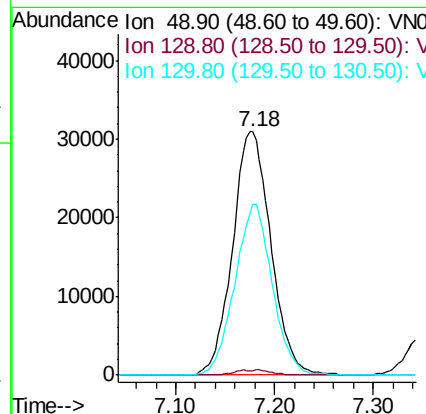
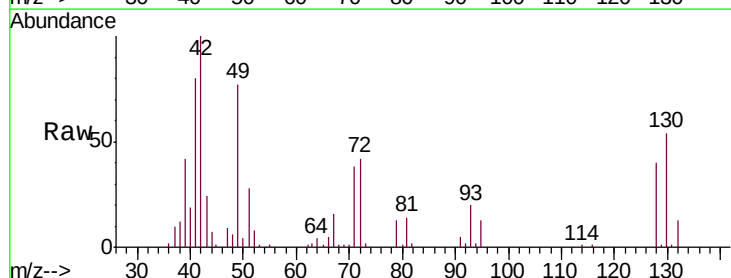
RT: 7.18 min Scan# 1681

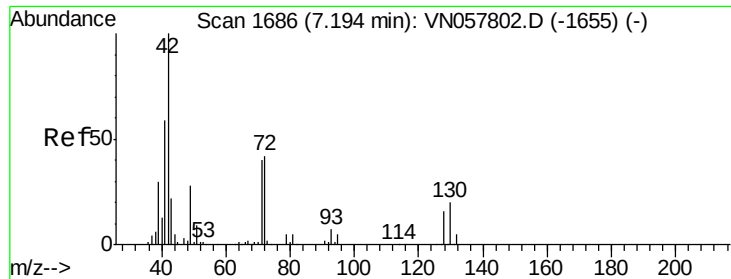
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	49	Resp:	83522
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	68.1	53.0	79.6





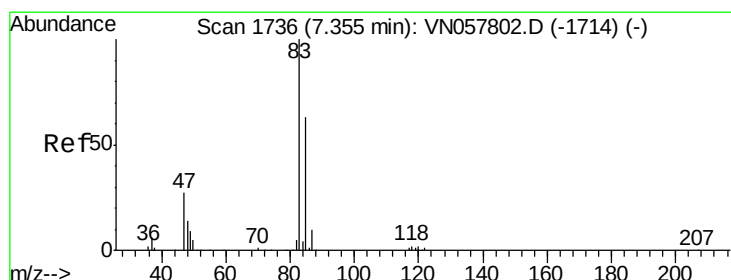
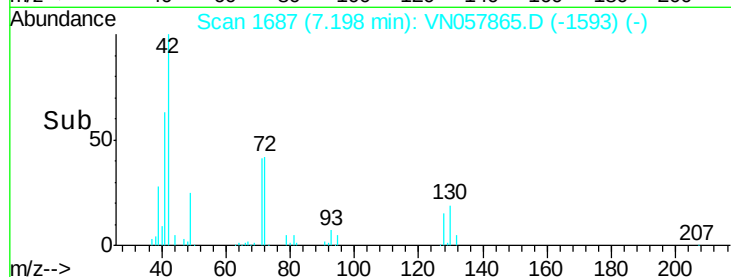
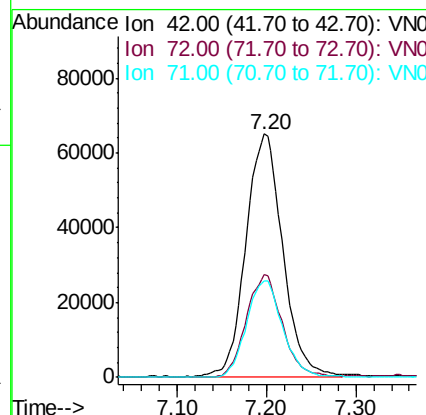
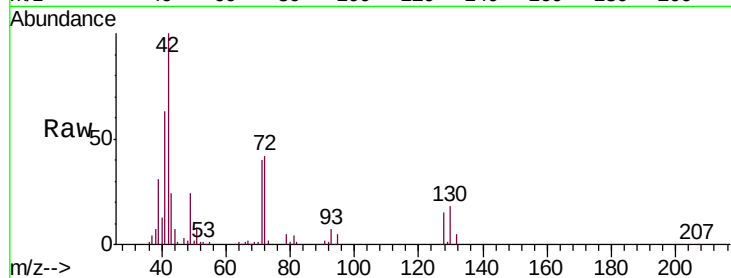
#29
Tetrahydrofuran
Concen: 99.150 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.1	31.9	47.9

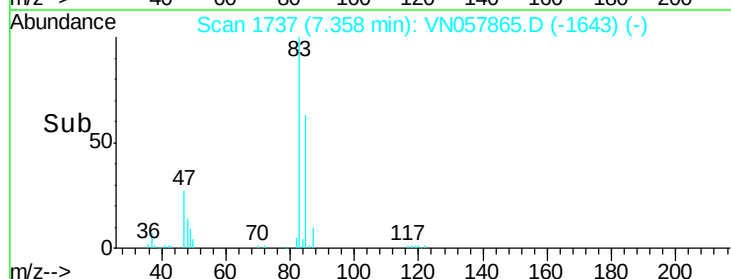
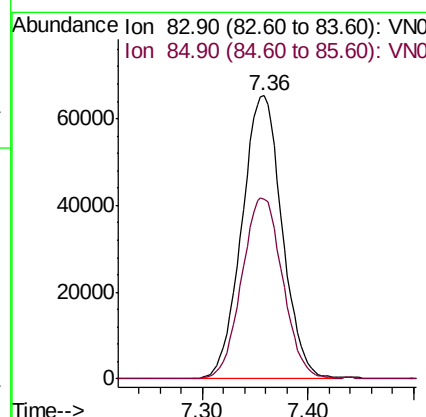
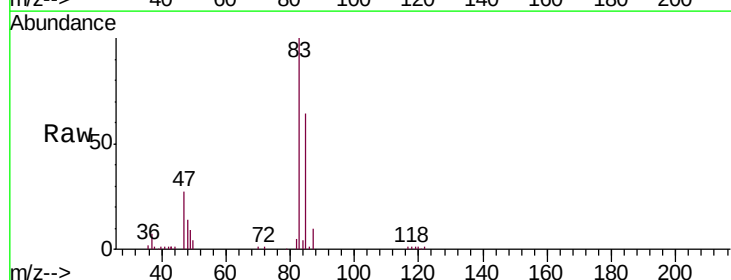
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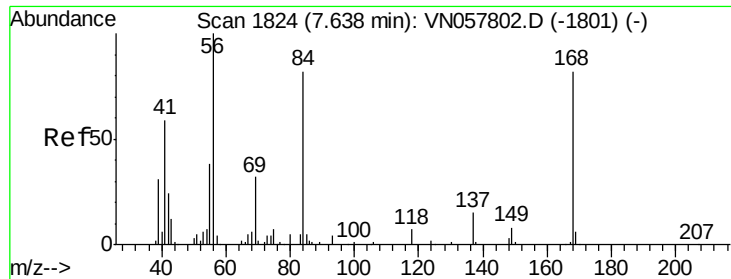
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#30
Chloroform
Concen: 19.706 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8





#31

Cyclohexane

Concen: 19.585 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 56 Resp: 120476
Ion Ratio Lower Upper

56 100

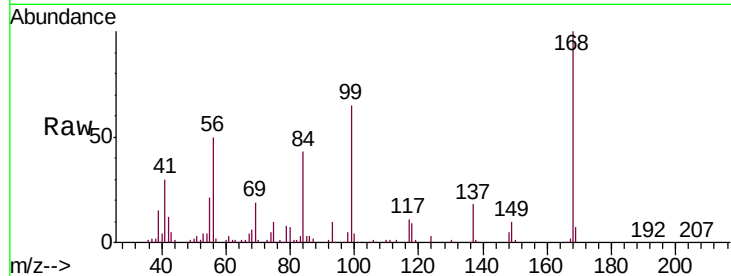
69 37.2 25.9 38.9

84 84.2 65.6 98.4

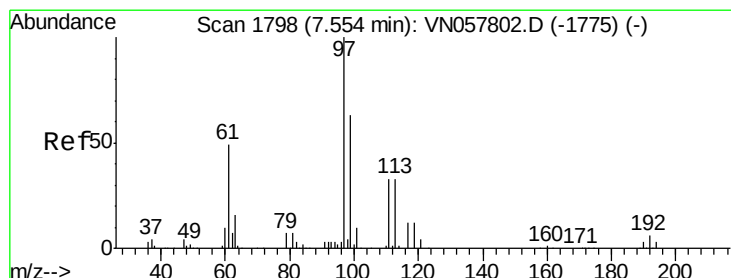
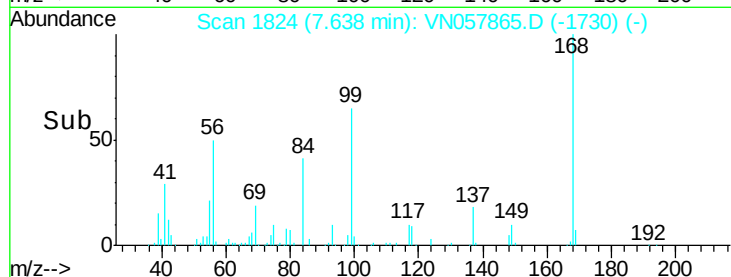
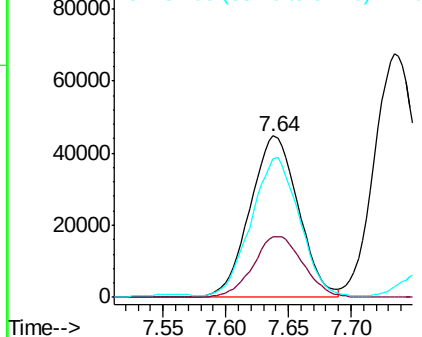
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.174 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057865.D

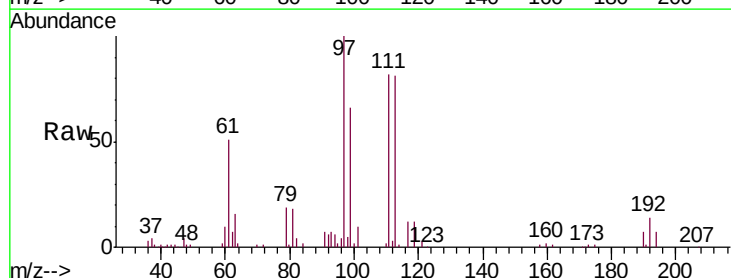
Acq: 10 Sep 2019 16:17

Tgt Ion: 97 Resp: 134206
Ion Ratio Lower Upper

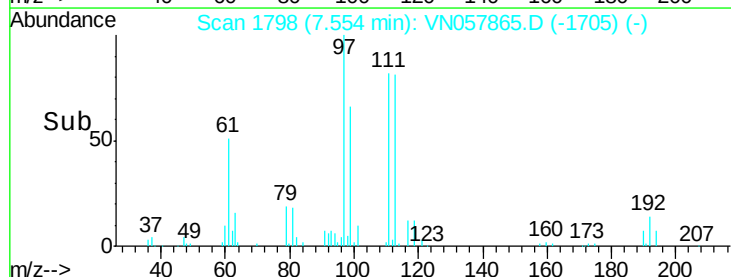
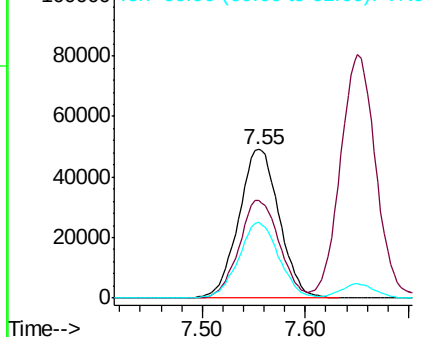
97 100

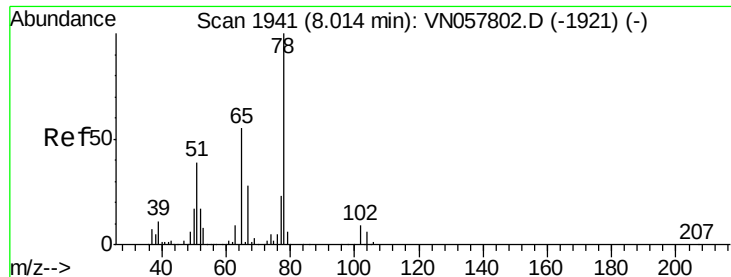
99 65.3 51.0 76.4

61 50.2 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





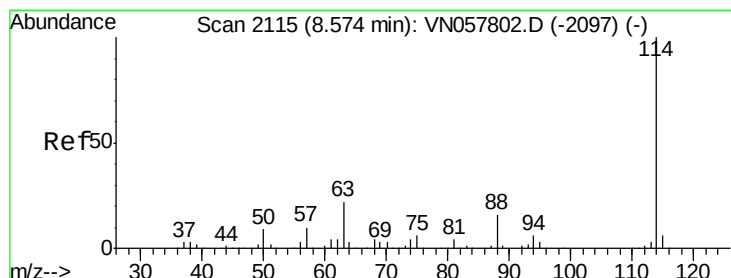
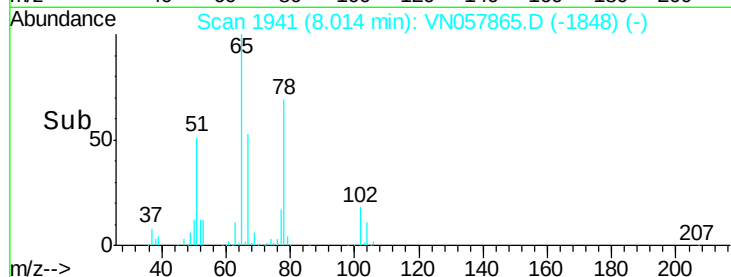
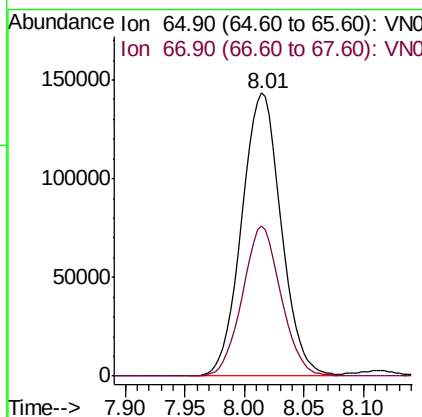
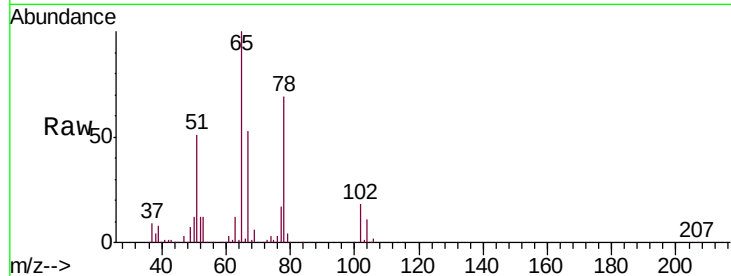
#33
 1,2-Dichloroethane-d4
 Concen: 51.584 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	330190		
67	51.9	0.0	104.0	

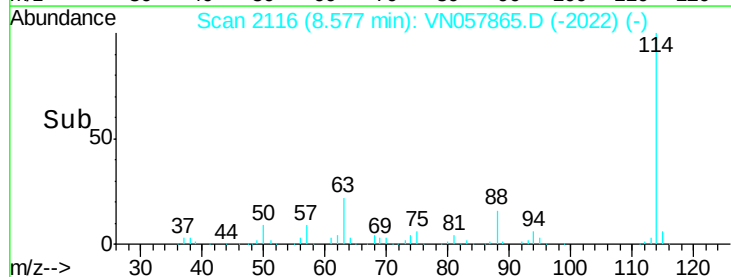
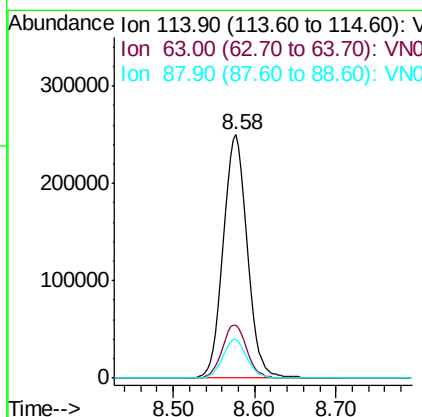
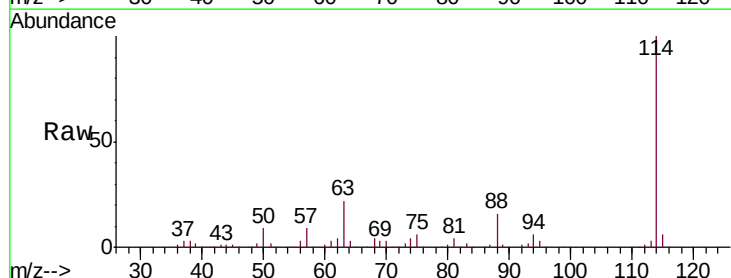
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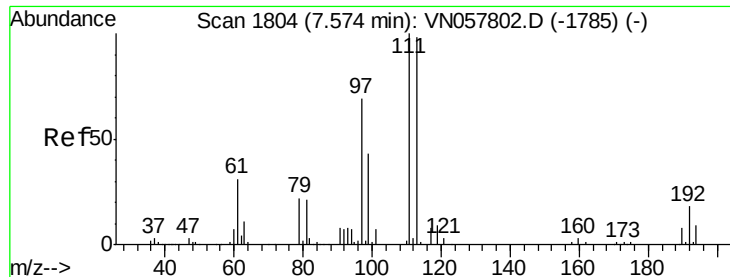
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	524423		
63	21.8	0.0	44.0	
88	15.9	0.0	31.4	





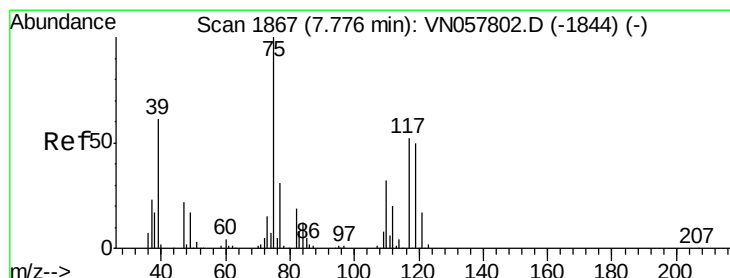
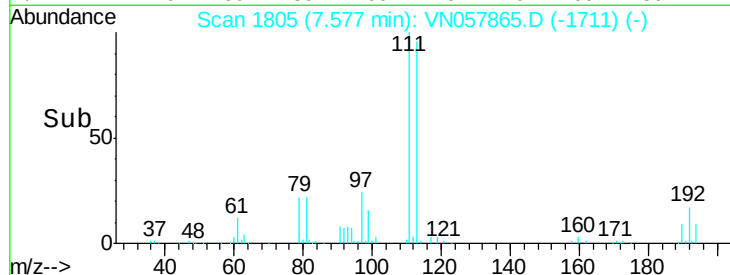
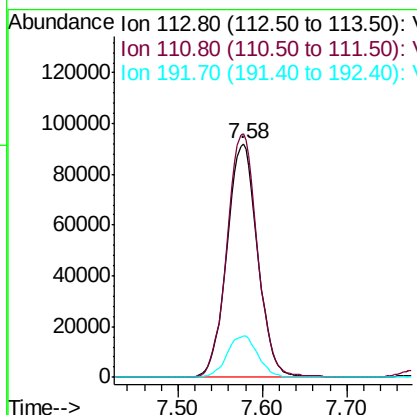
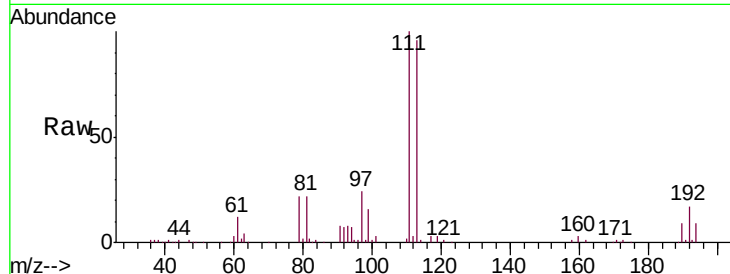
#35
 Dibromofluoromethane
 Concen: 48.285 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	233708		
111	103.5	81.3	121.9	
192	17.8	14.6	22.0	

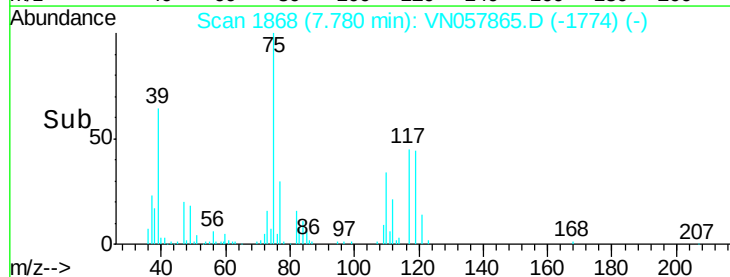
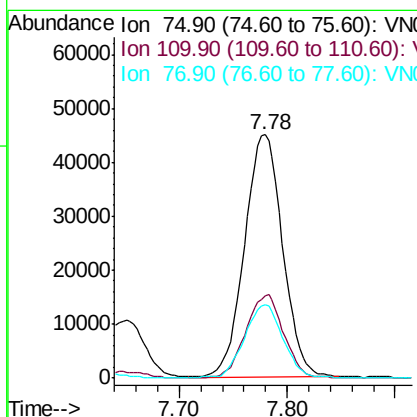
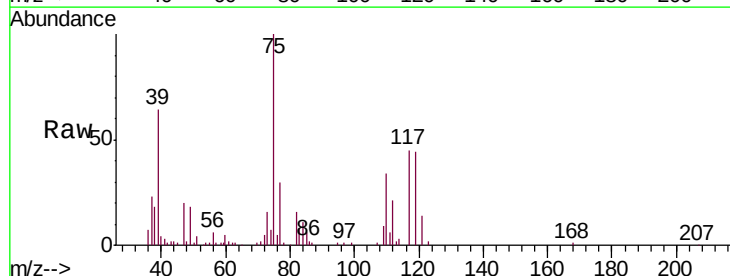
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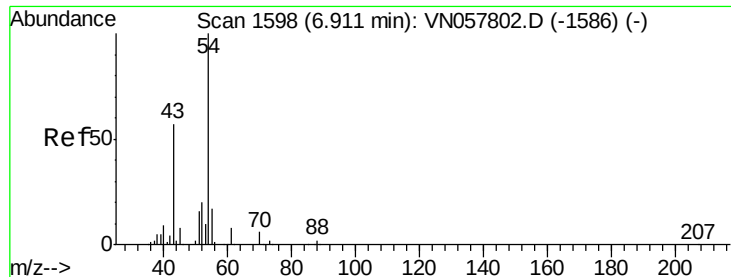
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 9/13/2019 7:06:11 AM



#36
 1,1-Dichloropropene
 Concen: 18.095 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110052		
110	34.3	16.3	48.9	
77	30.7	25.0	37.4	





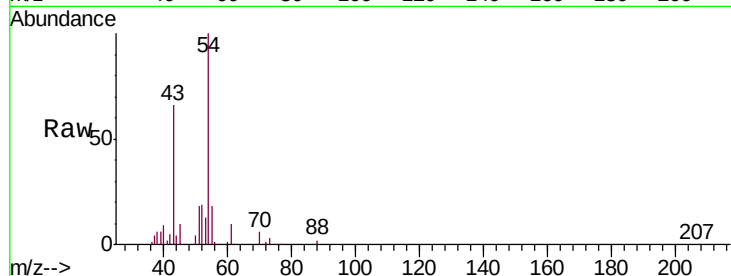
#37
Ethyl Acetate
Concen: 19.230 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	8.7	7.4	11.0

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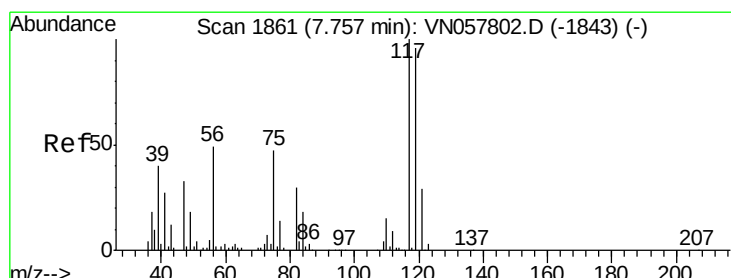
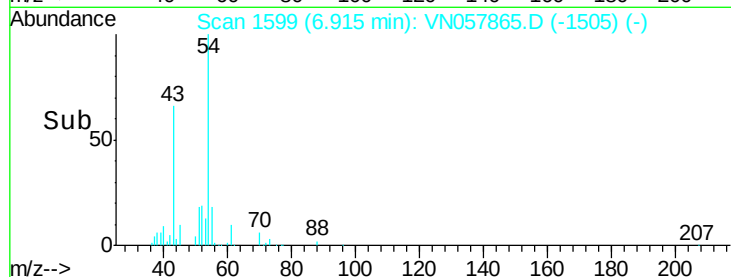
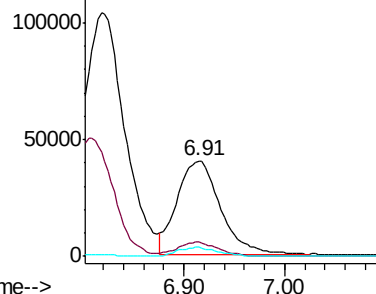
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Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1586) (-)

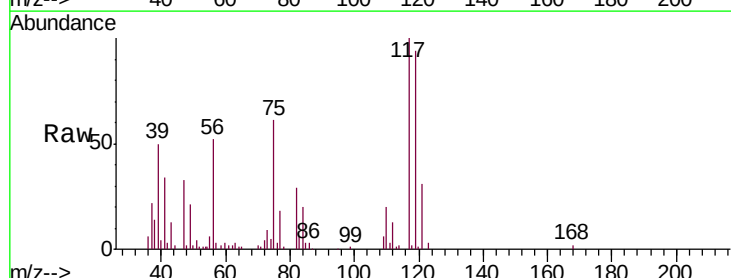
Ion 60.90 (60.60 to 61.60): VN057802.D (-1586) (-)

Ion 70.00 (69.70 to 70.70): VN057802.D (-1586) (-)



#38
Carbon Tetrachloride
Concen: 18.934 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

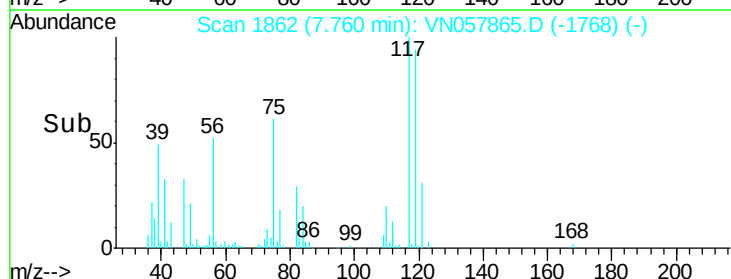
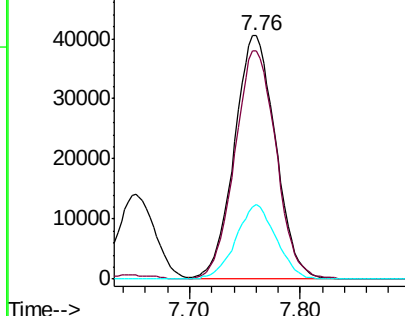
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.9	115.3
121	30.5	23.4	35.2

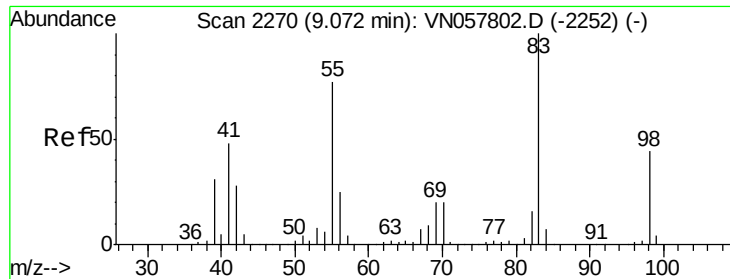


Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN057802.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN057802.D (-1843) (-)





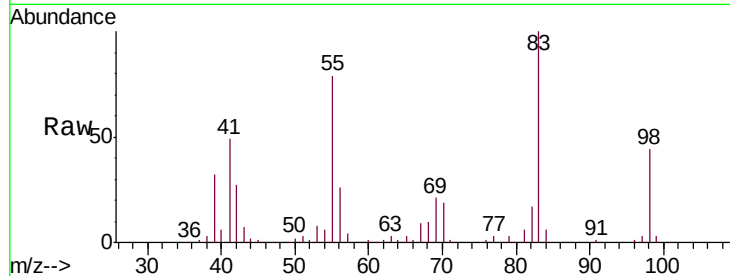
#39
Methylcyclohexane
Concen: 18.210 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

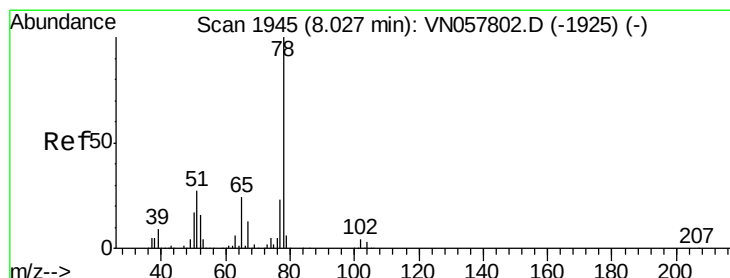
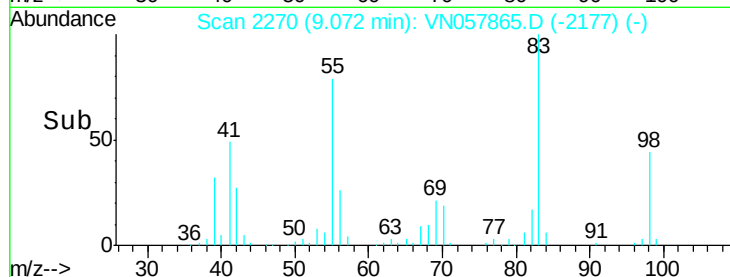
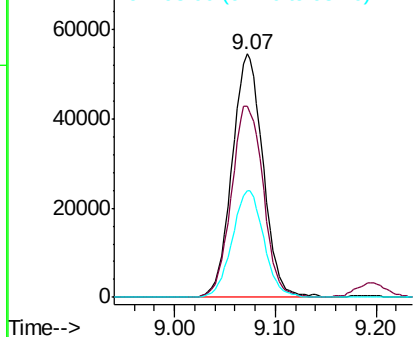
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	116426		
55	78.7	61.6	92.4	
98	43.8	34.9	52.3	

Manual Integrations
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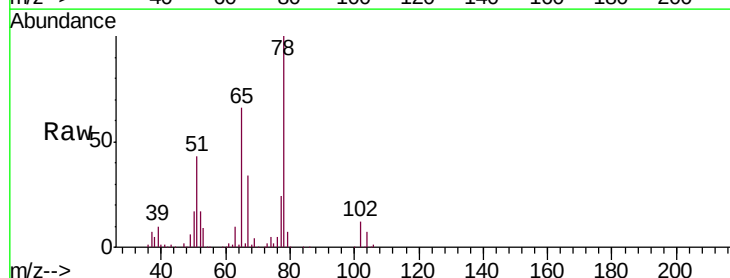


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

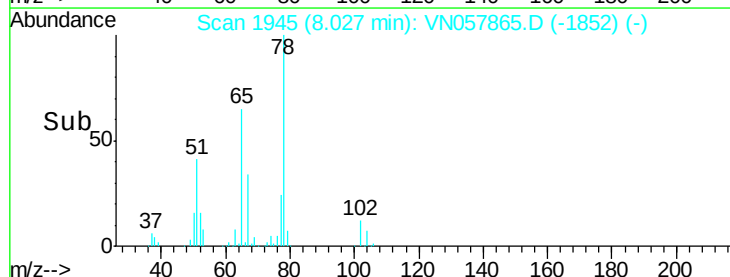
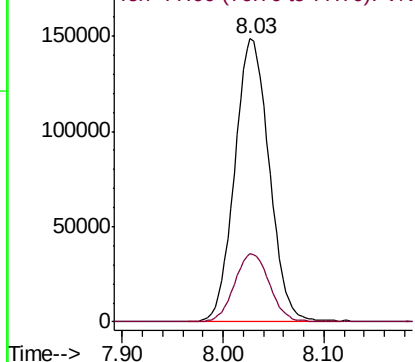


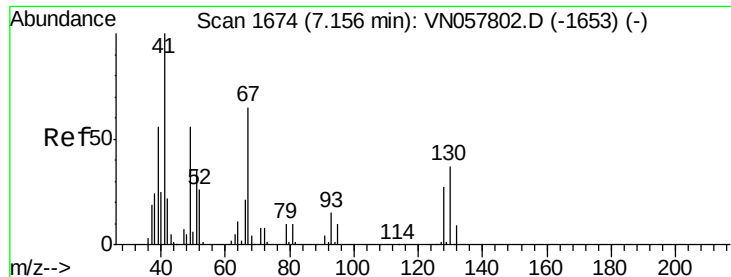
#40
Benzene
Concen: 19.273 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	352901		
77	23.9	18.3	27.5	



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





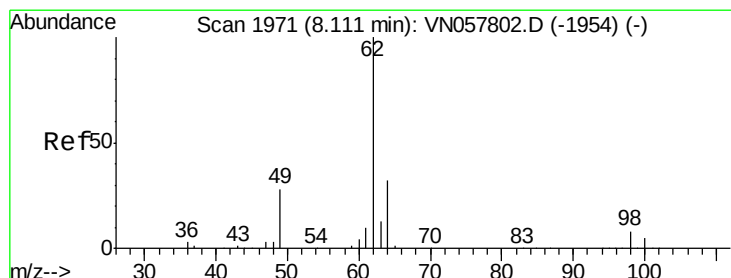
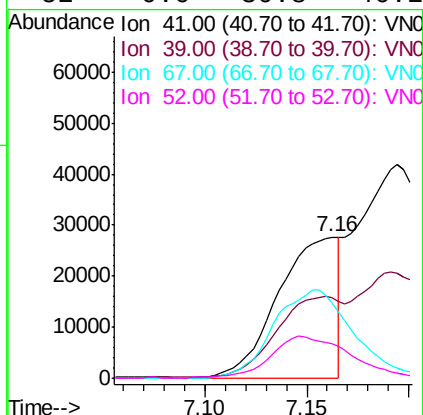
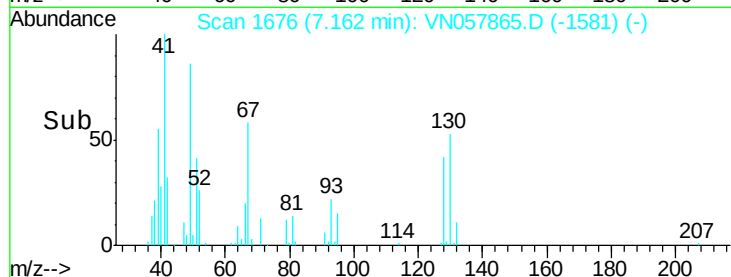
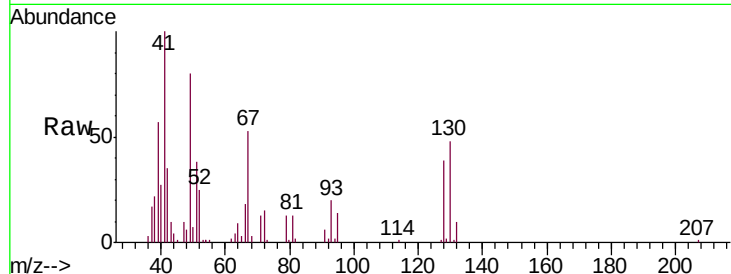
#41
Methacrylonitrile
Concen: 20.051 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

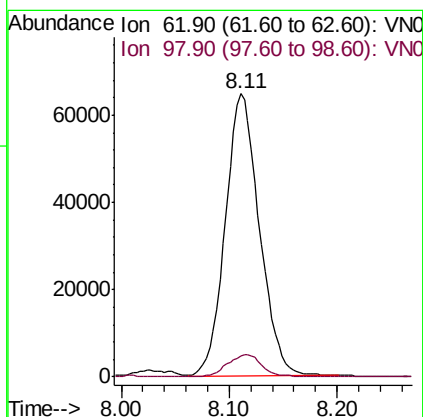
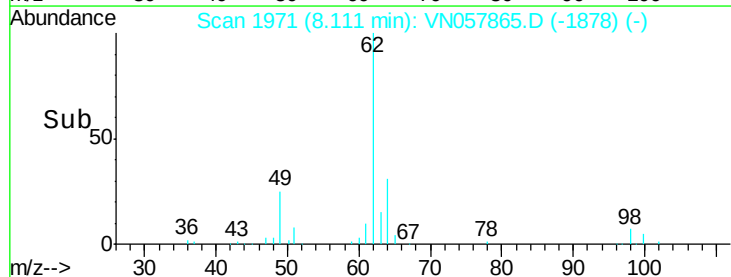
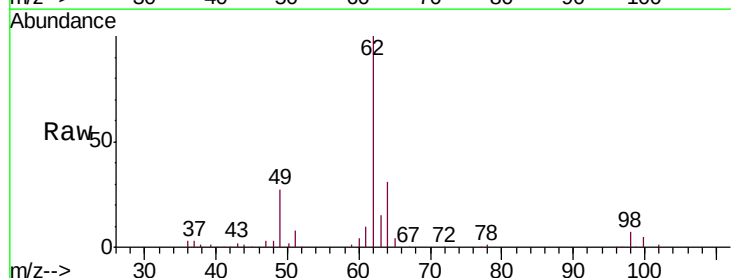
Manual Integrations
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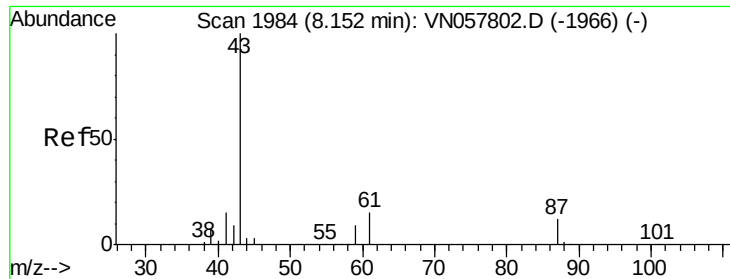
MMDadoda
9/13/2019 7:06:11 AM



#42
1,2-Dichloroethane
Concen: 19.400 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.543 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

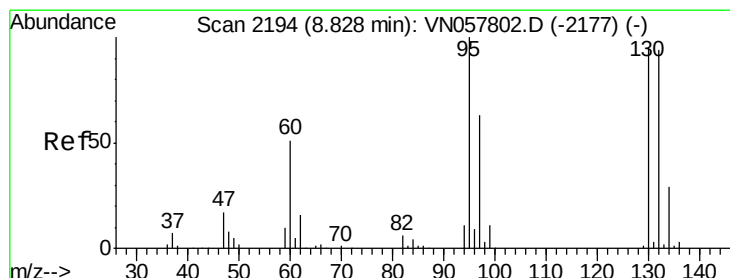
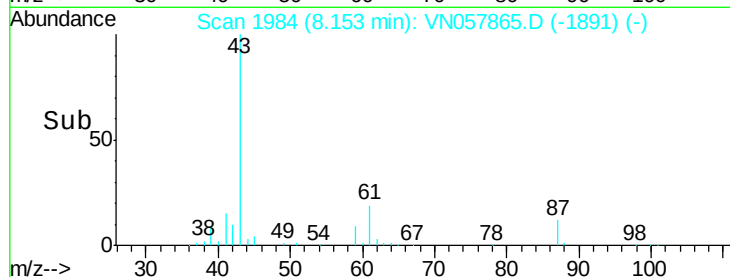
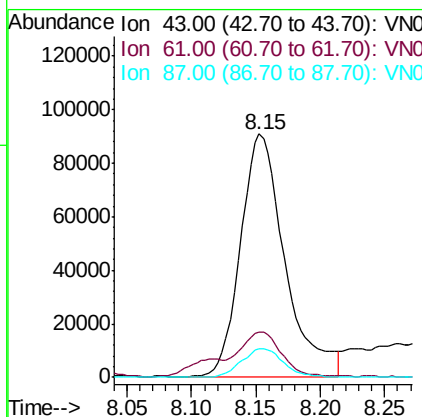
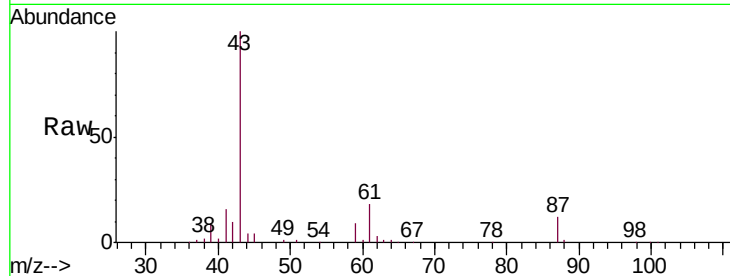
ClientSampleId :

VN0911WBSD01

Tgt Ion:	43	Resp:	217079
Ion	Ratio	Lower	Upper
43	100		
61	16.5	20.1	30.1#
87	11.3	9.5	14.3

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#44

Trichloroethene

Concen: 19.223 ug/l

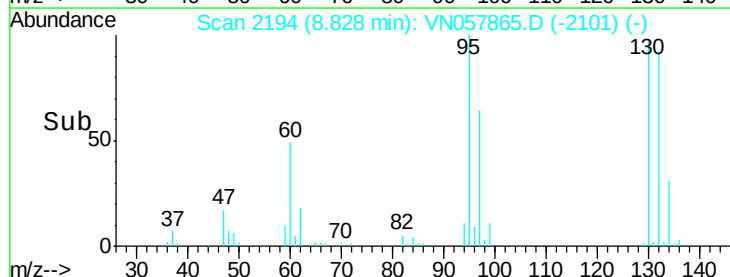
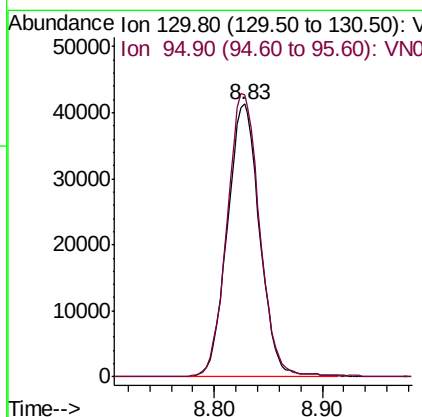
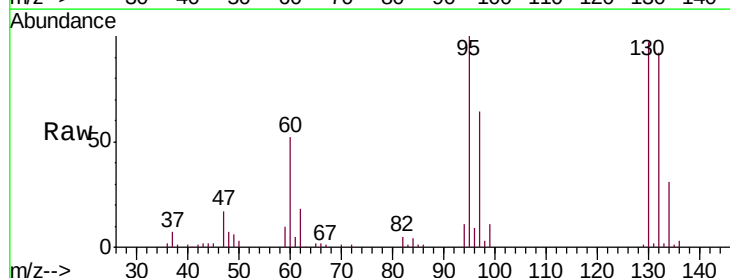
RT: 8.83 min Scan# 2194

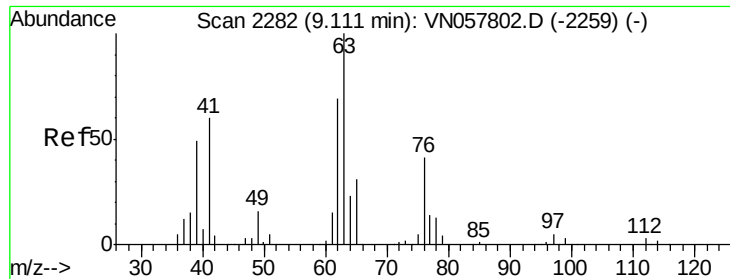
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	130	Resp:	86330
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	211.4





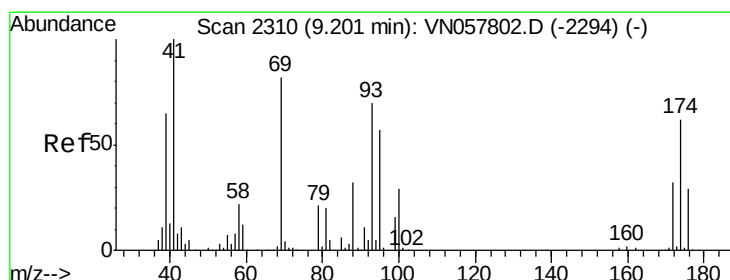
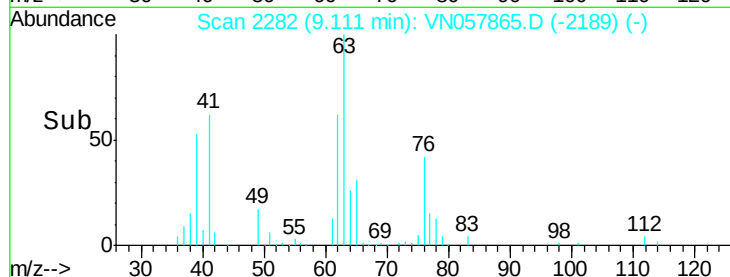
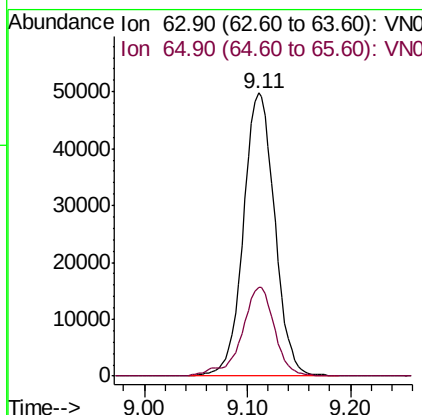
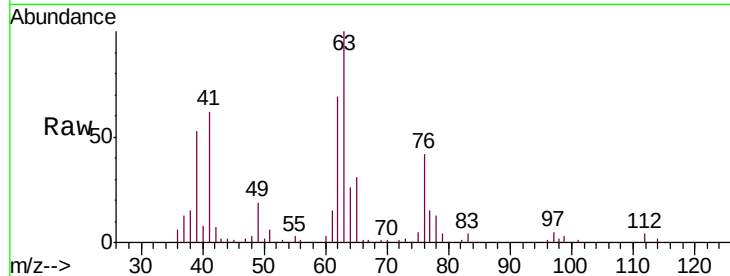
#45
 1,2-Dichloropropane
 Concen: 19.701 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion: 63 Resp: 104967
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2

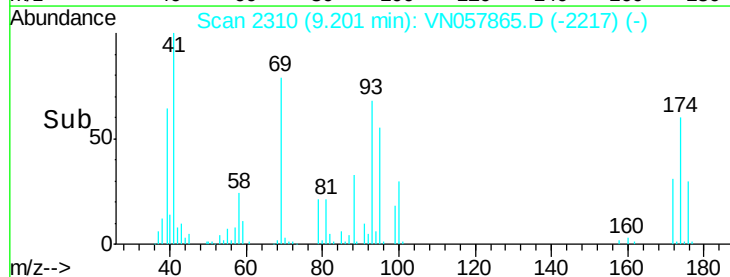
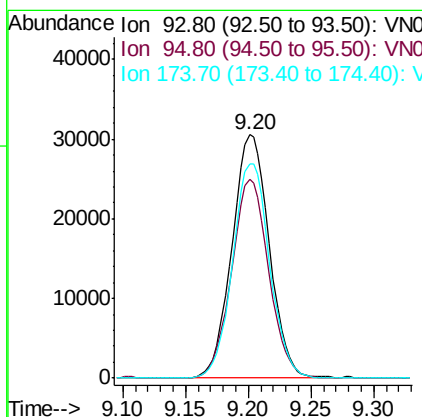
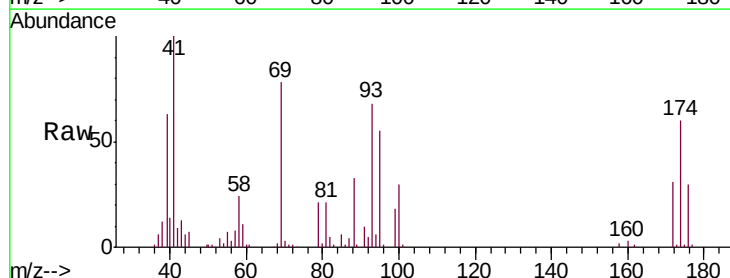
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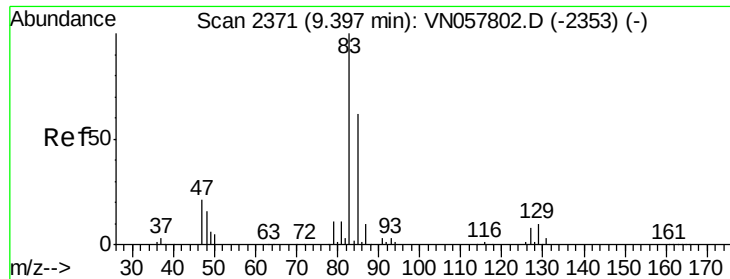
MMDadoda
 9/13/2019 7:06:11 AM



#46
 Dibromomethane
 Concen: 19.602 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 93 Resp: 63113
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.9 98.9
 174 87.5 71.8 107.6





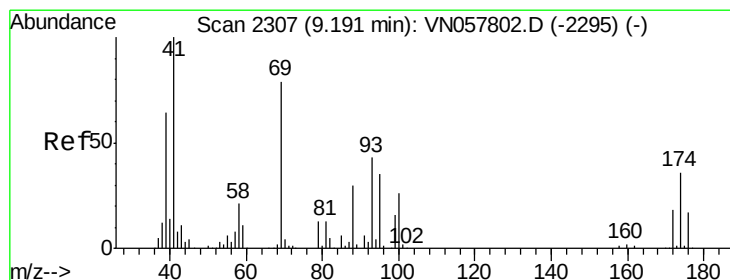
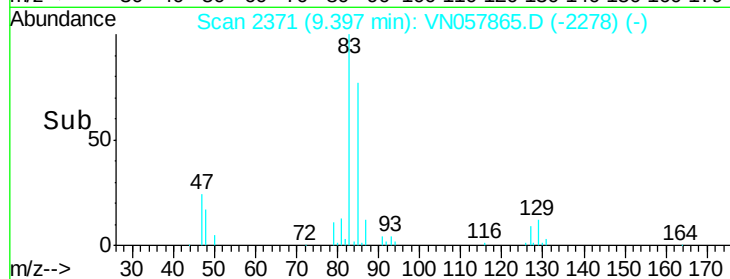
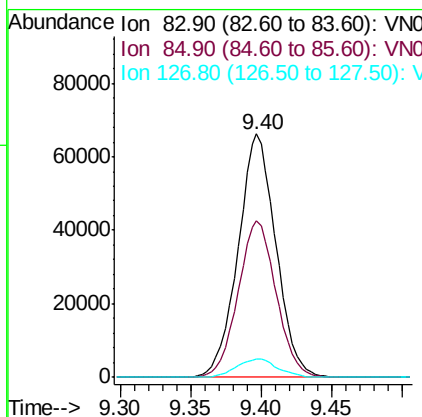
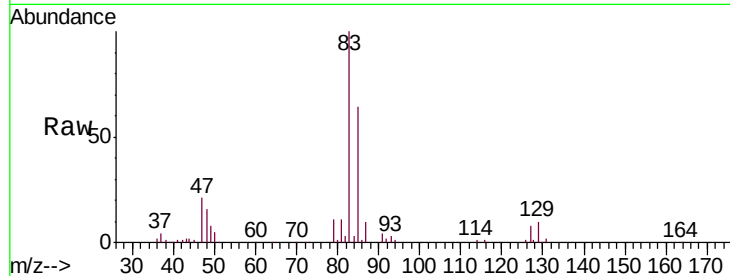
#47
 Bromodichloromethane
 Concen: 19.311 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	124154		
85	64.4	49.9	74.9	
127	7.5	6.5	9.7	

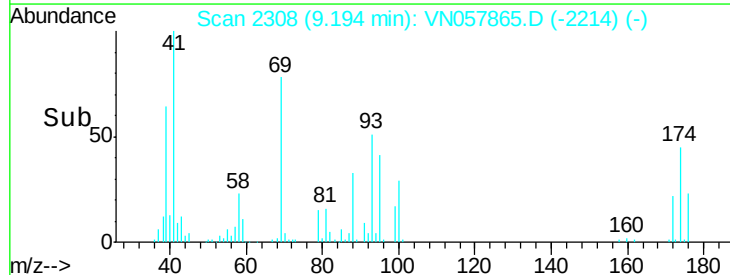
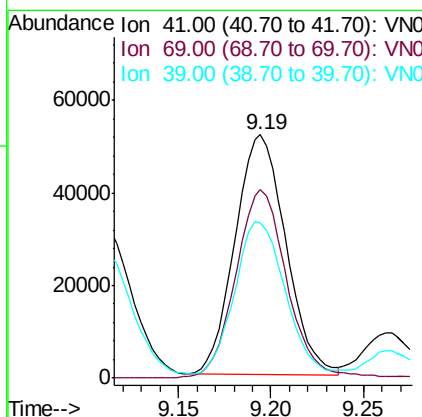
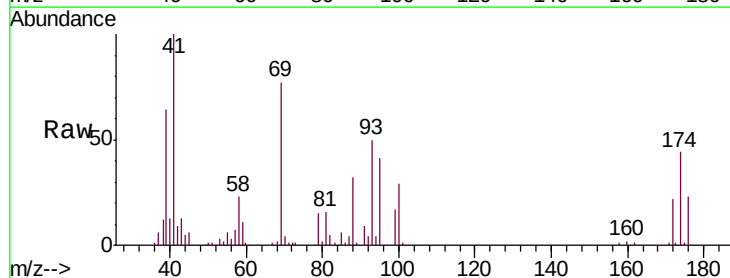
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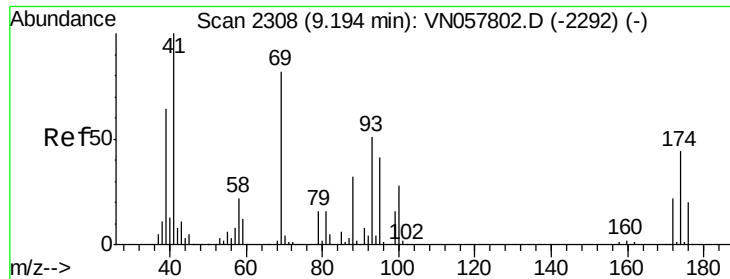
MMDadoda
 9/13/2019 7:06:11 AM



#48
 Methyl methacrylate
 Concen: 18.493 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99132		
69	79.1	62.7	94.1	
39	65.7	52.7	79.1	





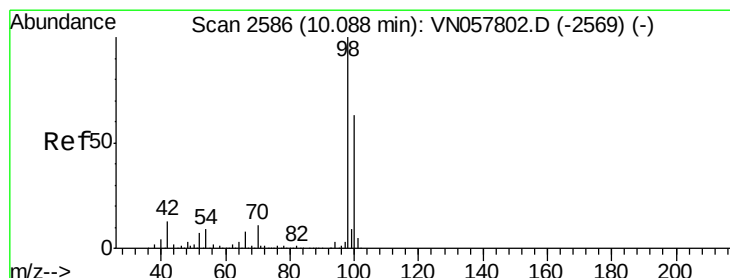
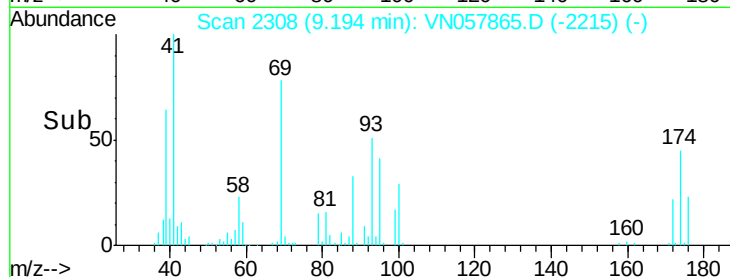
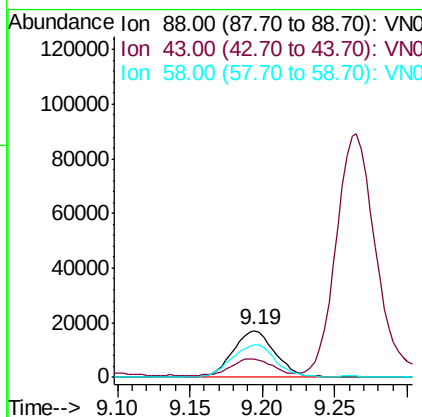
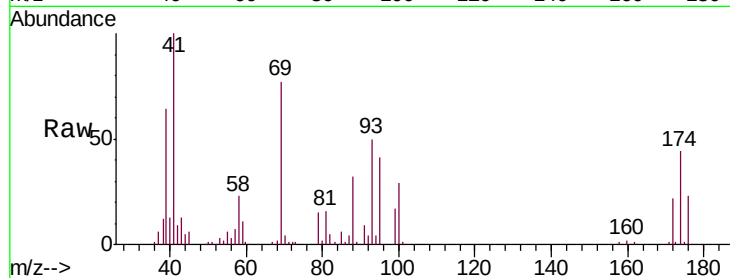
#49
 1,4-Dioxane
 Concen: 381.637 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.5	42.7
58	73.4	55.8	83.6

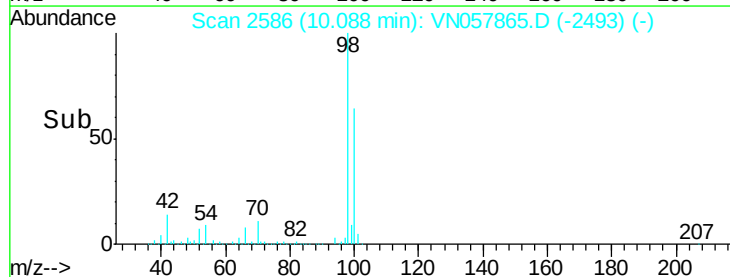
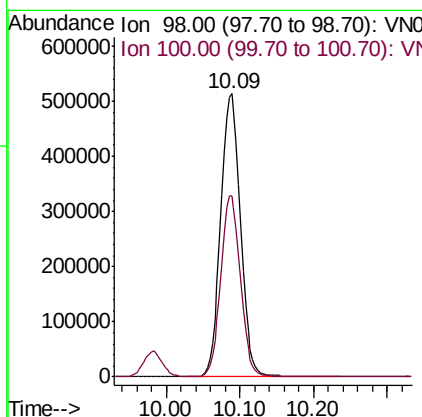
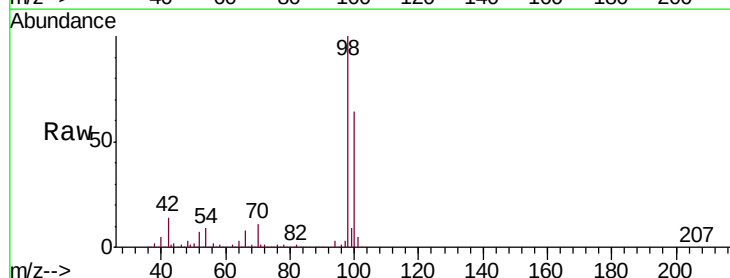
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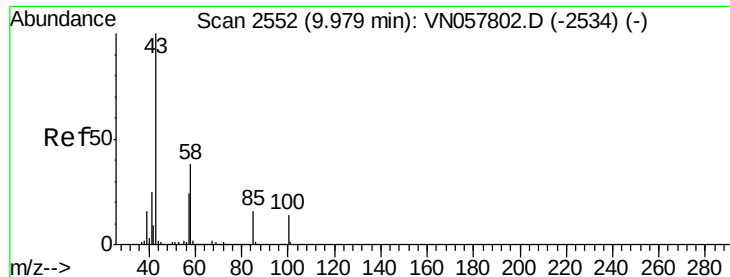
MMDadoda
 9/13/2019 7:06:11 AM



#50
 Toluene-d8
 Concen: 51.091 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 104.054 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 43 Resp: 650686

Ion Ratio Lower Upper

43 100

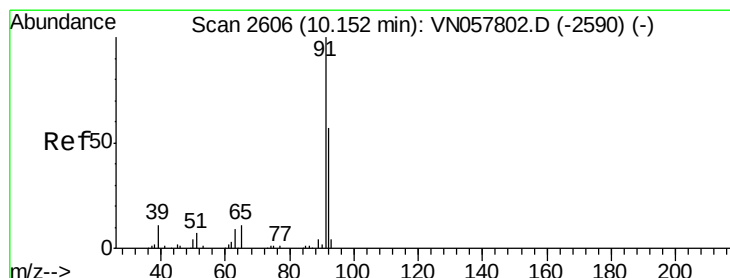
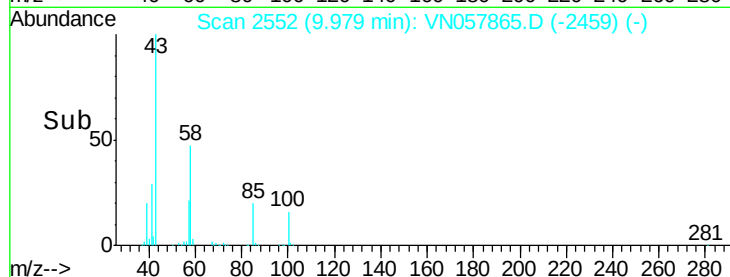
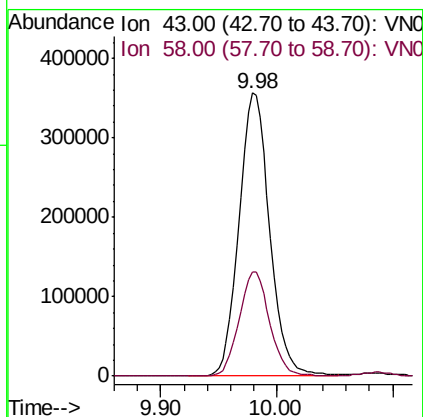
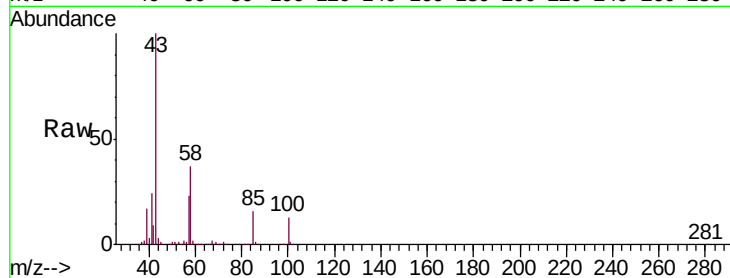
58 36.9 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 19.300 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057865.D

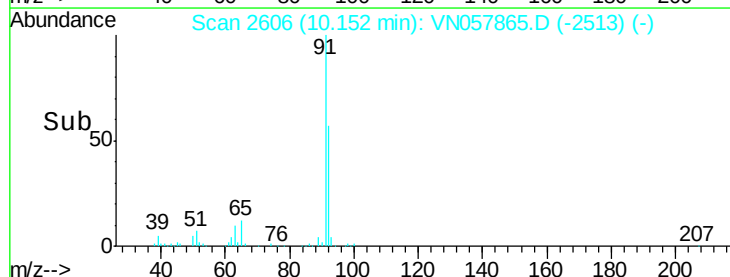
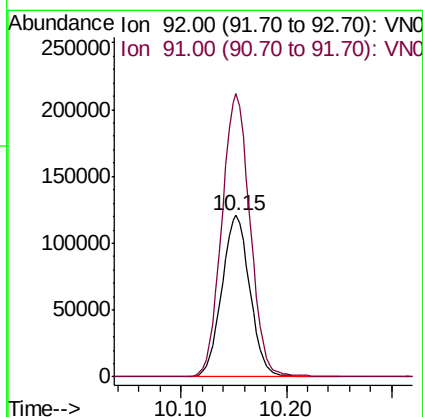
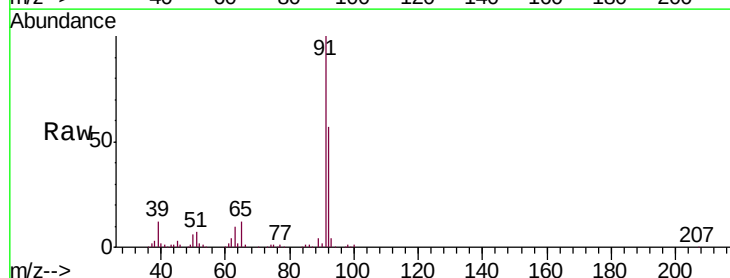
Acq: 10 Sep 2019 16:17

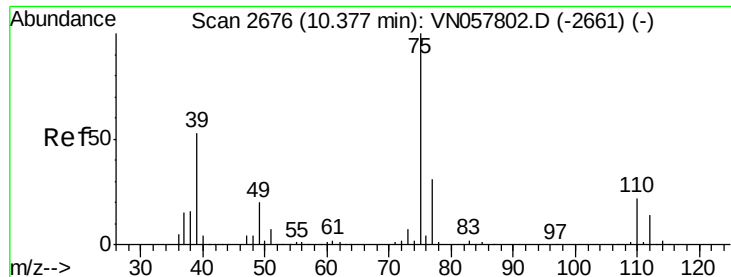
Tgt Ion: 92 Resp: 222584

Ion Ratio Lower Upper

92 100

91 176.5 141.0 211.6





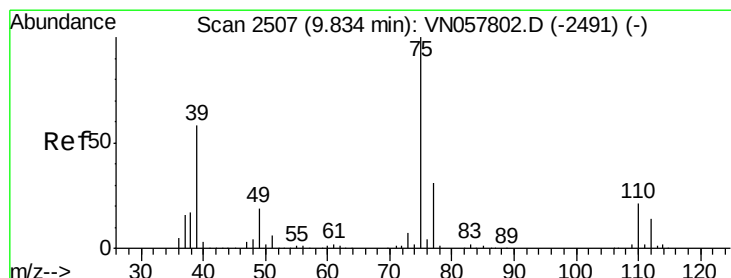
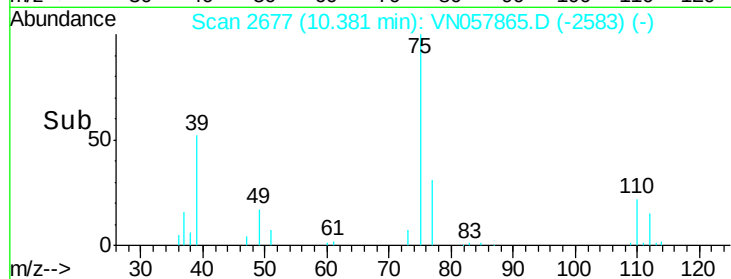
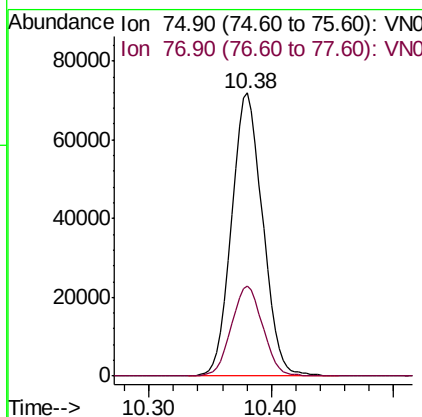
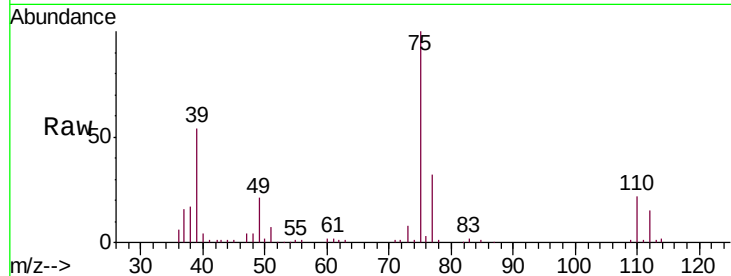
#53
 t-1,3-Dichloropropene
 Concen: 18.815 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion: 75 Resp: 127385
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7

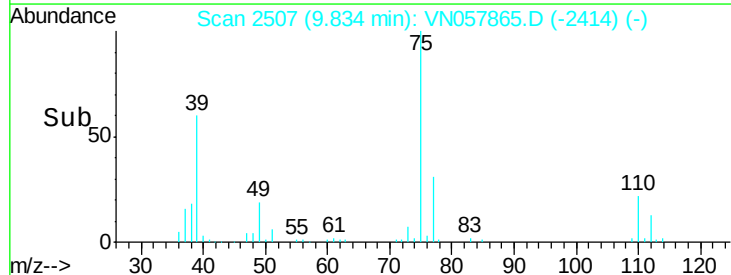
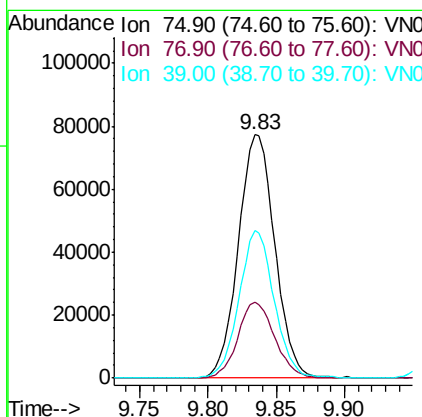
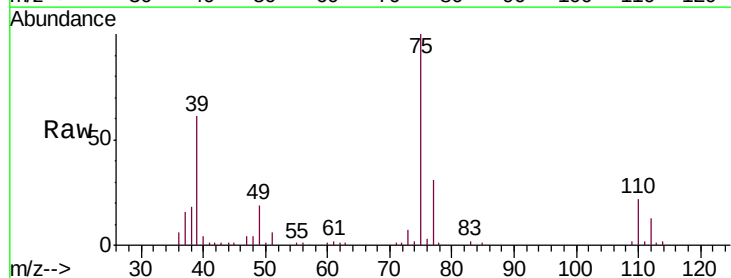
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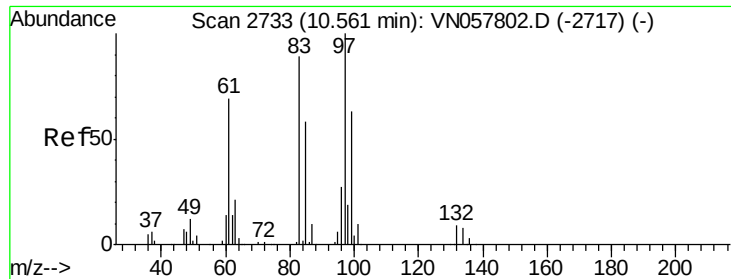
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#54
 cis-1,3-Dichloropropene
 Concen: 19.203 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion: 75 Resp: 143544
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2
 39 60.3 46.2 69.4





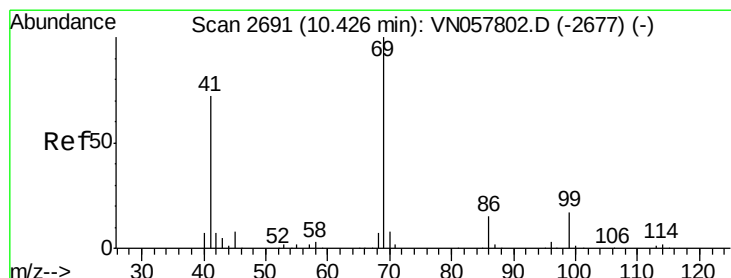
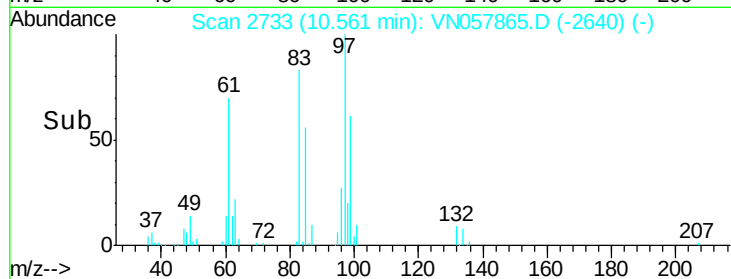
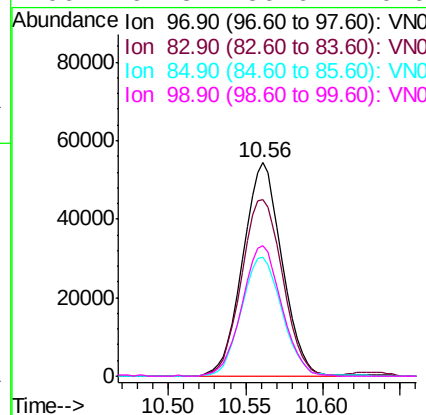
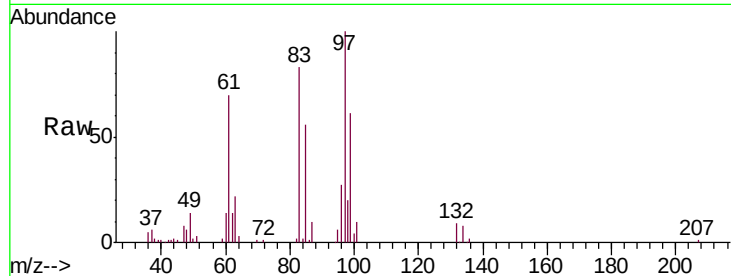
#55
 1,1,2-Trichloroethane
 Concen: 19.682 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion:	97	Resp:	96150
Ion	Ratio	Lower	Upper
97	100		
83	83.0	70.8	106.2
85	55.6	46.0	69.0
99	61.3	50.6	76.0

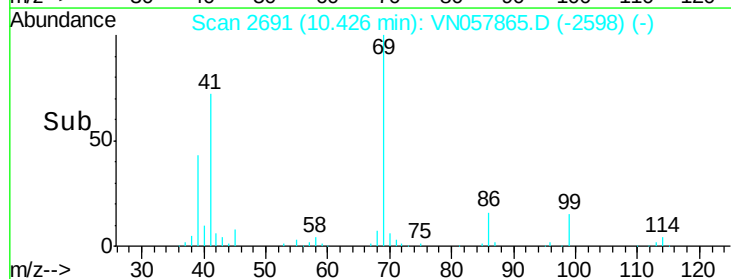
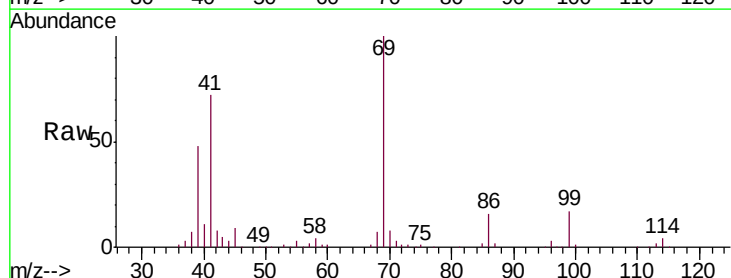
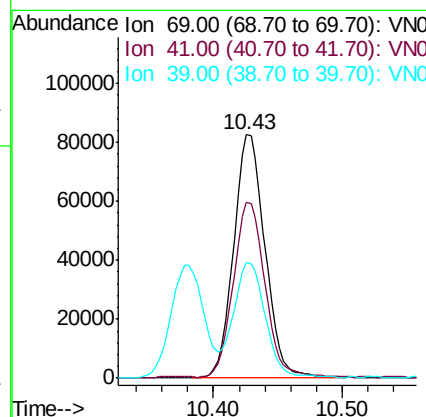
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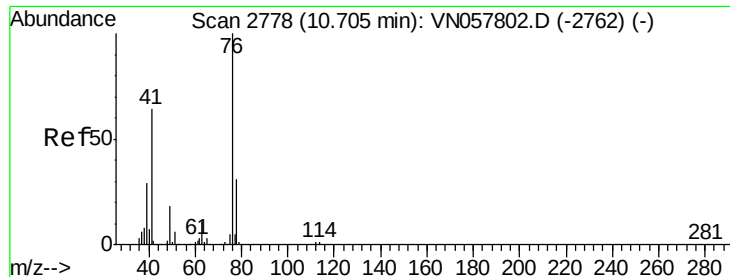
MMDadoda
 9/13/2019 7:06:11 AM



#56
 Ethyl methacrylate
 Concen: 18.986 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion:	69	Resp:	139670
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.7	85.1
39	48.3	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.895 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 76 Resp: 167493

Ion Ratio Lower Upper

76 100

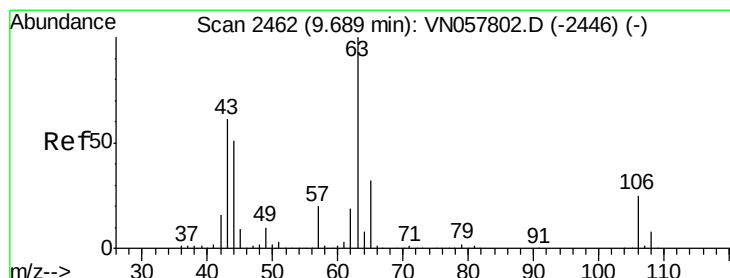
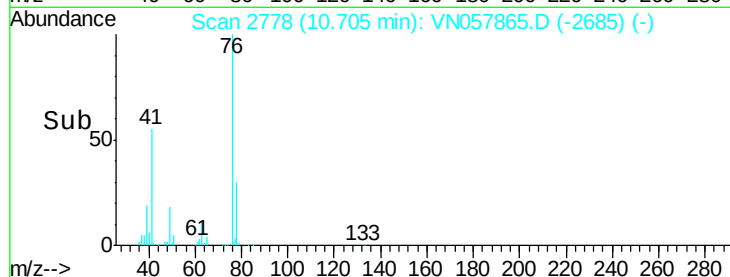
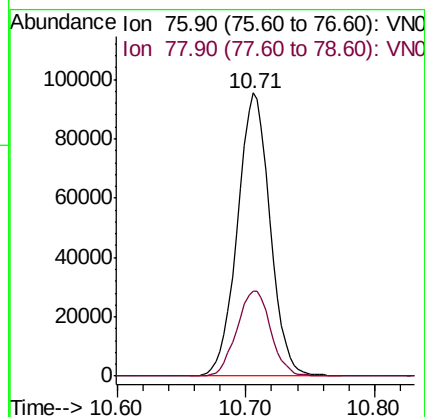
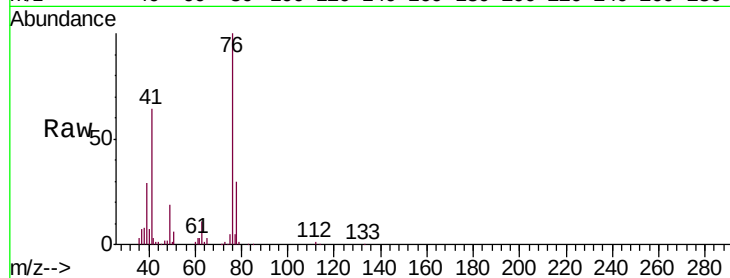
78 31.3 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.889 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057865.D

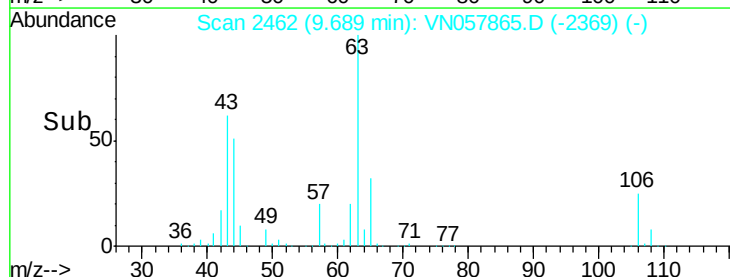
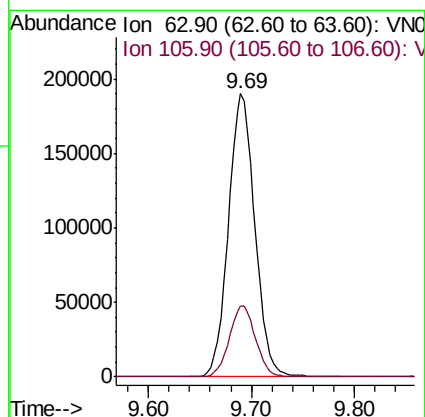
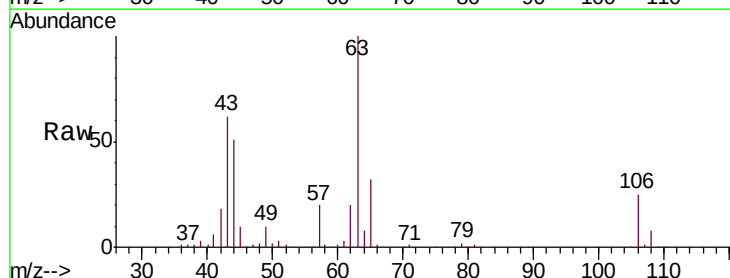
Acq: 10 Sep 2019 16:17

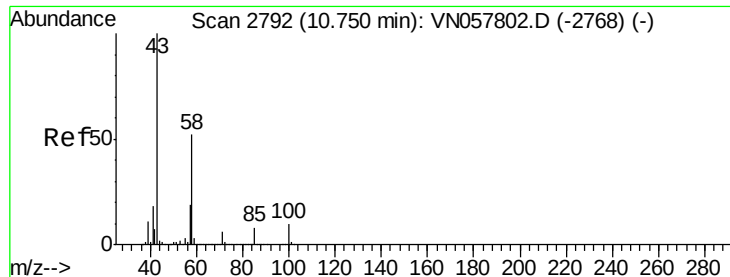
Tgt Ion: 63 Resp: 339168

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





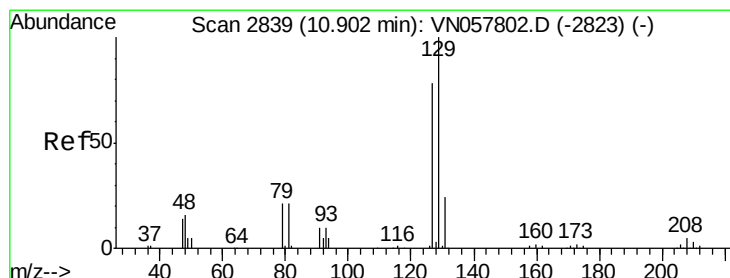
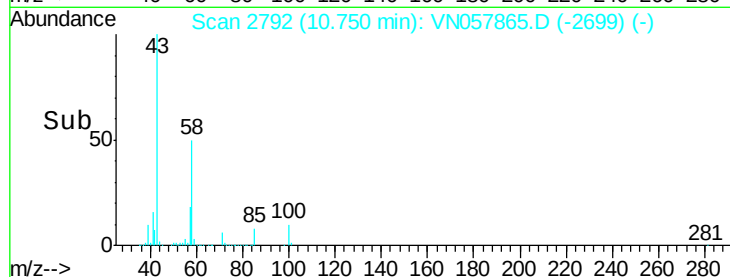
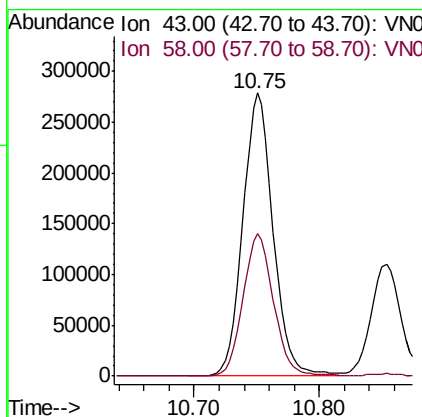
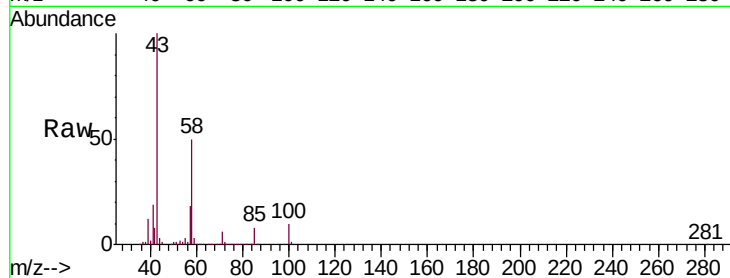
#59
2-Hexanone
Concen: 99.287 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 43 Resp: 465374
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8

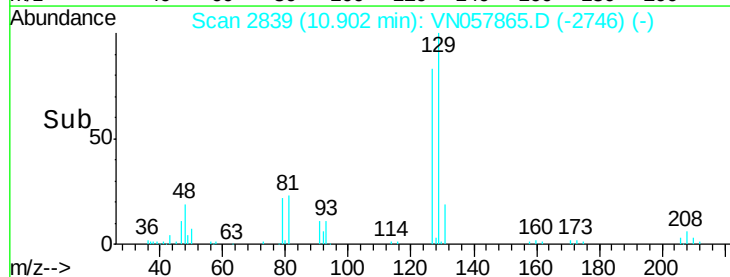
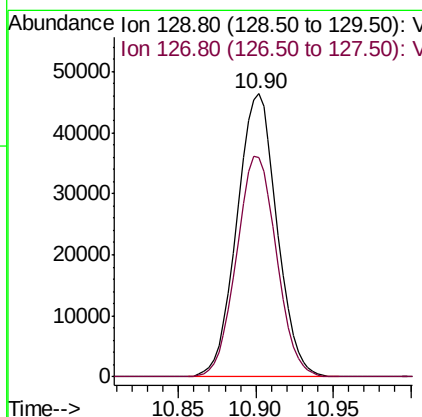
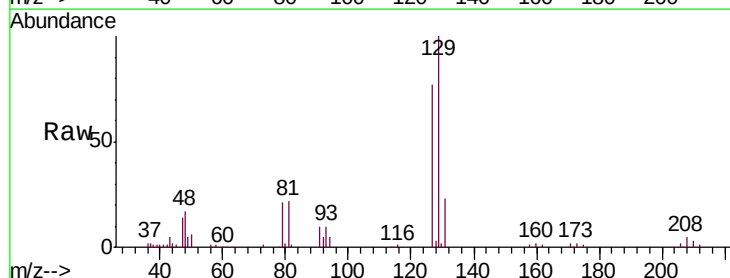
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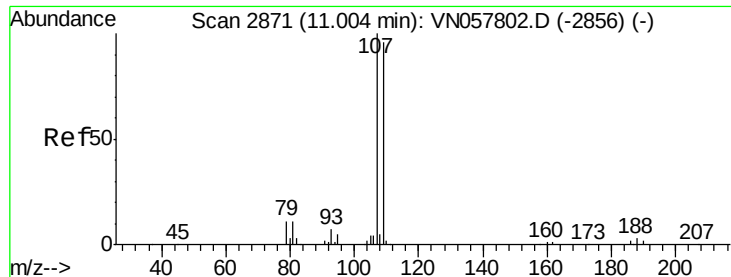
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9/13/2019 7:06:11 AM



#60
Dibromochloromethane
Concen: 18.428 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 129 Resp: 83593
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





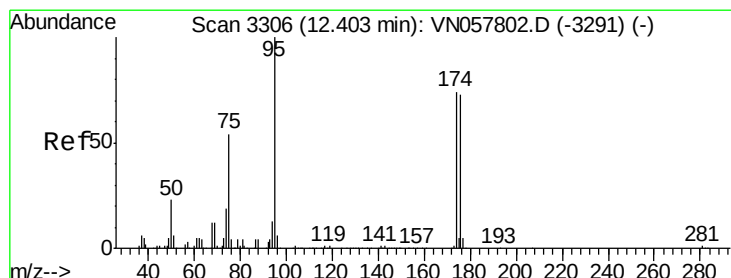
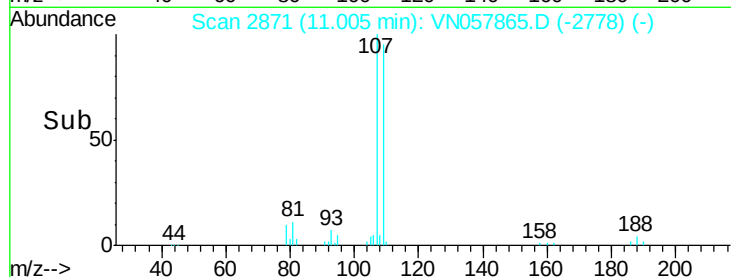
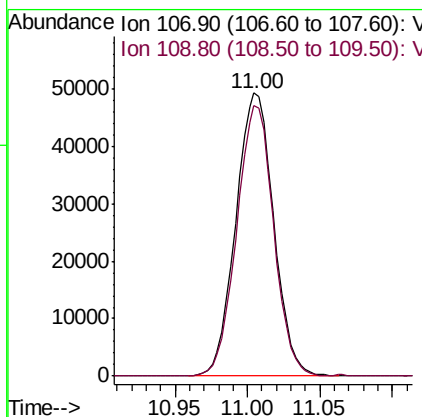
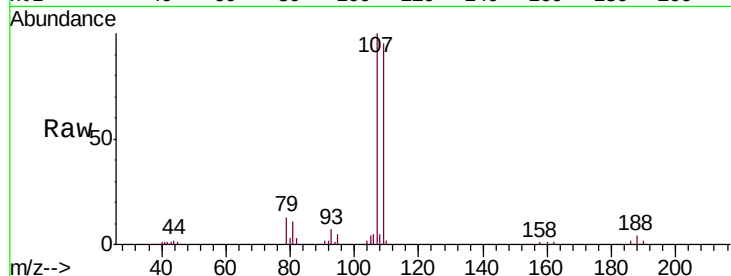
#61
1,2-Dibromoethane
Concen: 19.345 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion: 107 Resp: 89343
Ion Ratio Lower Upper
107 100
109 93.3 75.3 112.9

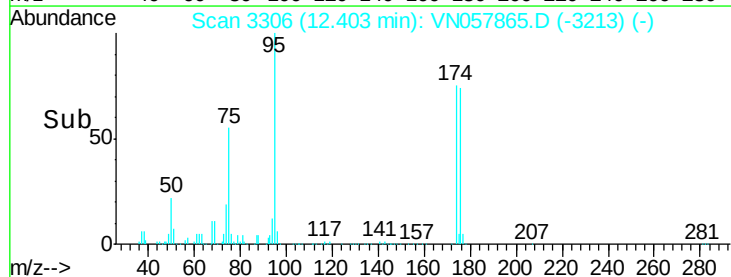
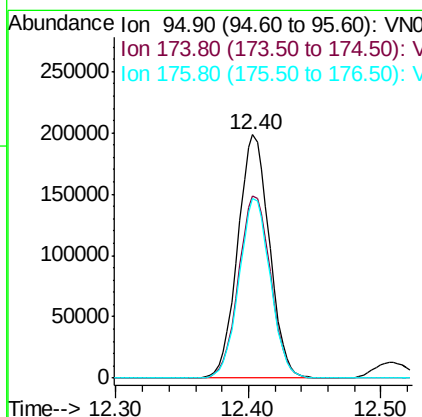
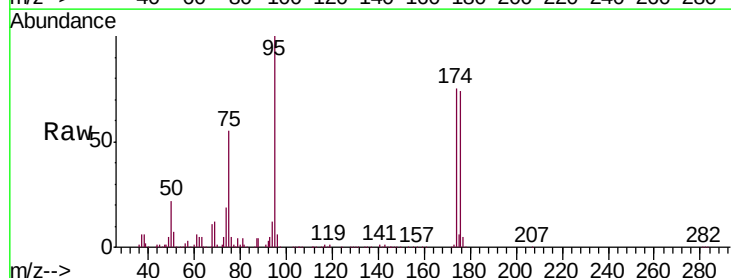
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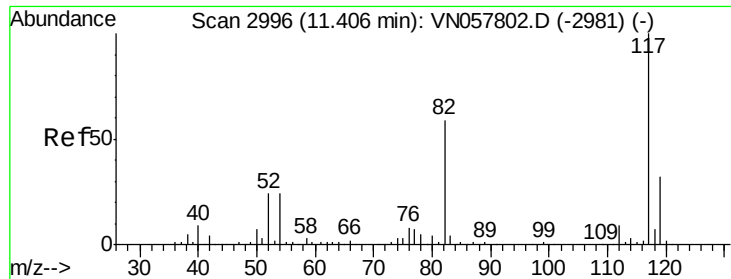
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#62
4-Bromofluorobenzene
Concen: 45.875 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion: 95 Resp: 328532
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.2
176 73.0 0.0 146.0





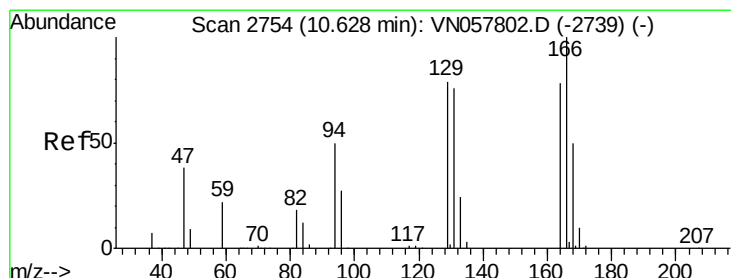
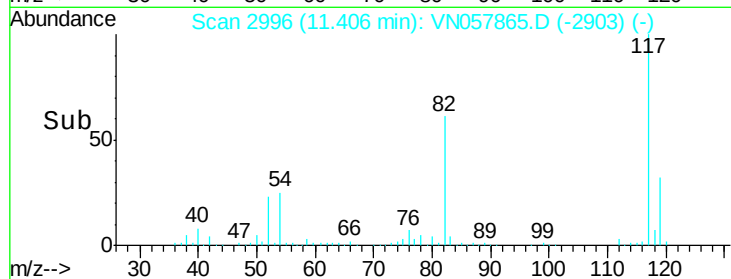
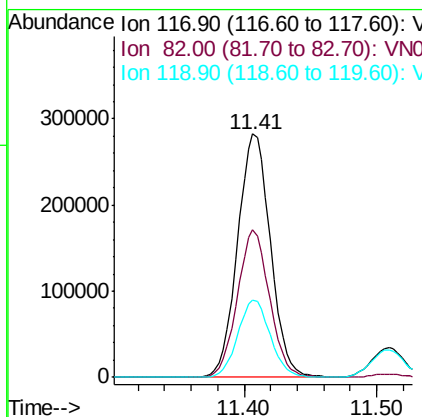
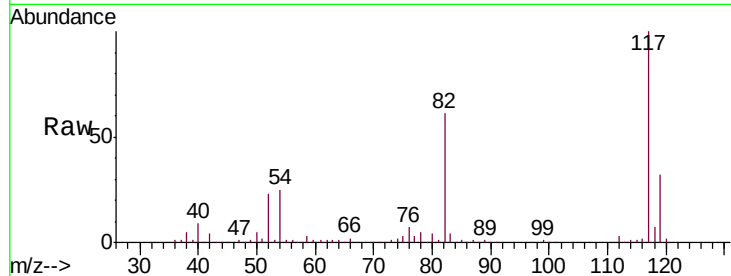
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	486779		
82	60.5	47.2	70.8	
119	31.8	25.3	37.9	

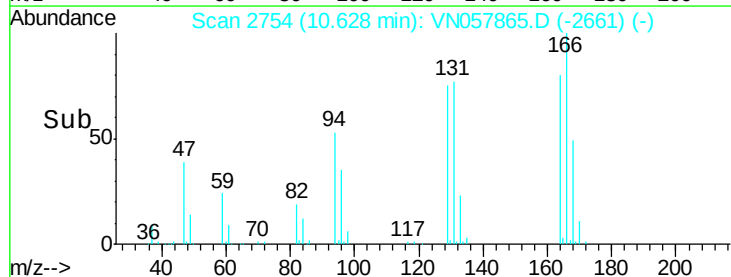
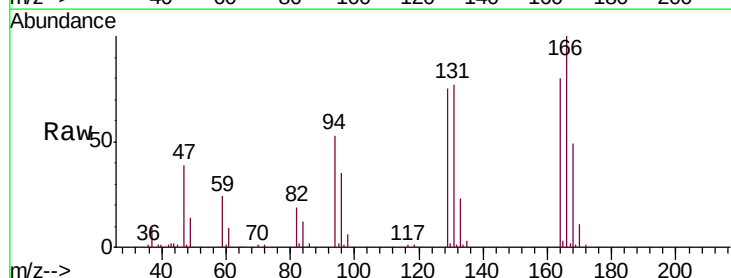
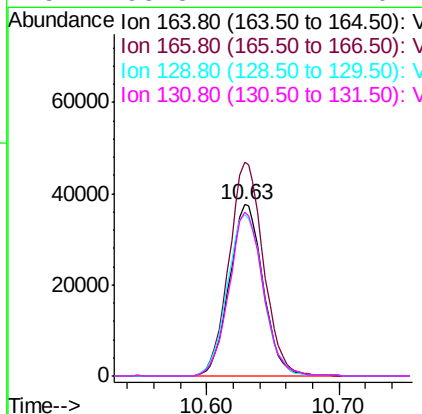
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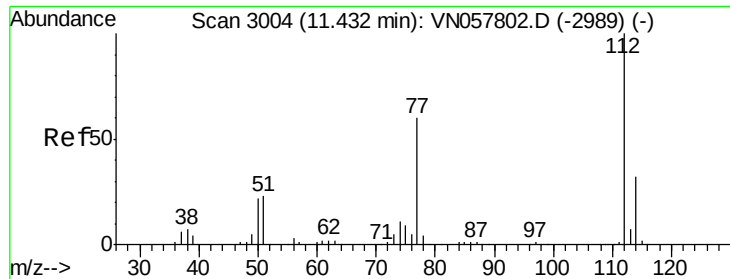
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#64
Tetrachloroethene
Concen: 18.564 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66723		
166	124.8	102.2	153.2	
129	94.2	80.8	121.2	
131	95.8	77.4	116.2	





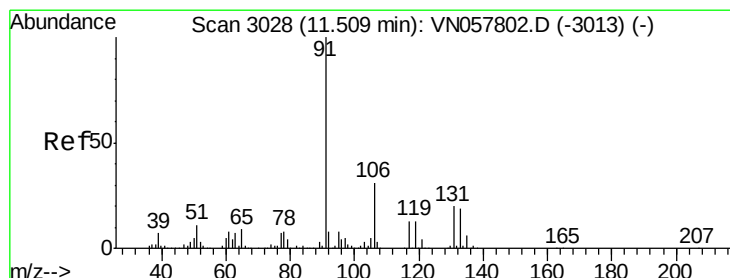
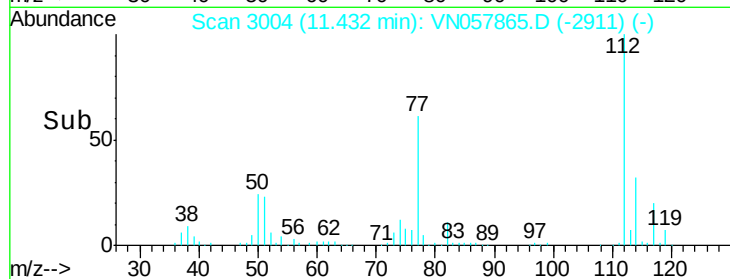
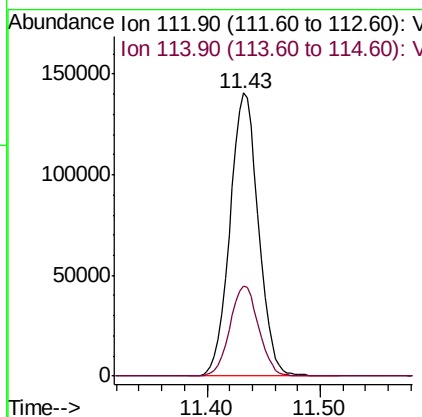
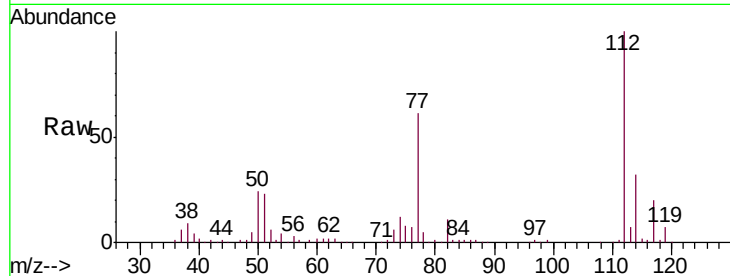
#65
Chlorobenzene
Concen: 19.306 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion:112 Resp: 245948
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

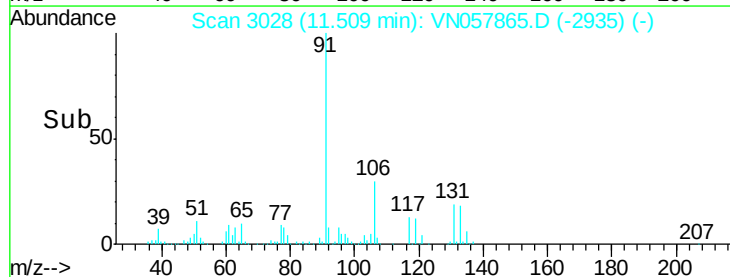
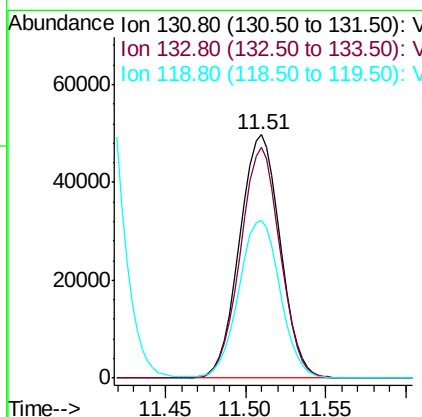
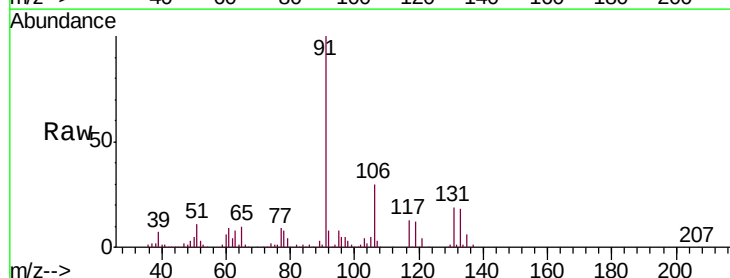
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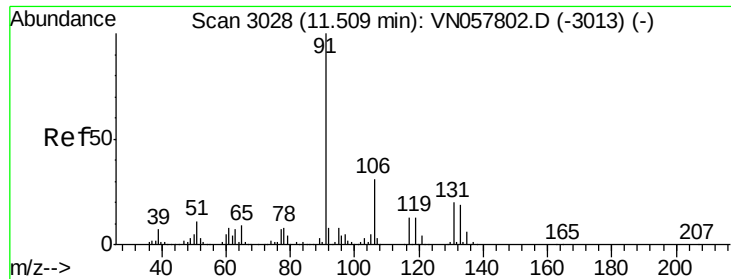
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.520 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:131 Resp: 86286
Ion Ratio Lower Upper
131 100
133 92.7 47.1 141.3
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 19.781 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 91 Resp: 441628

Ion Ratio Lower Upper

91 100

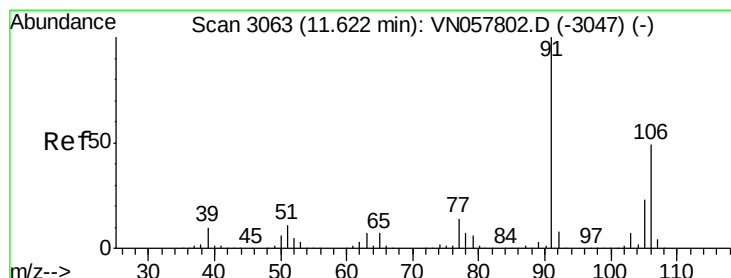
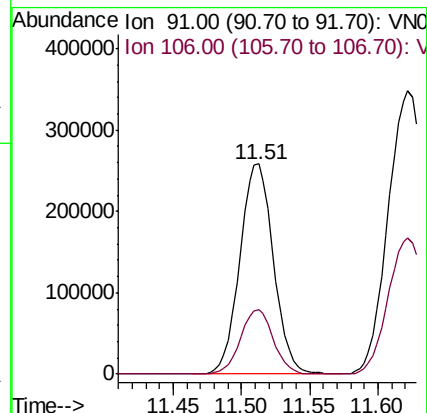
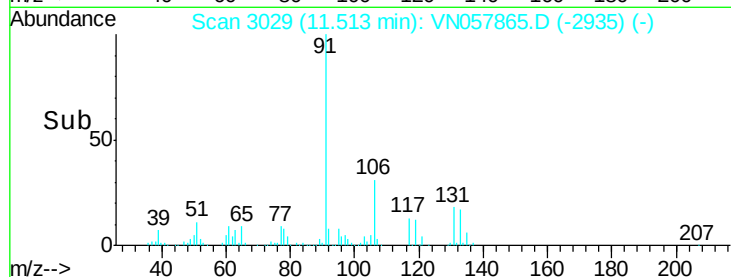
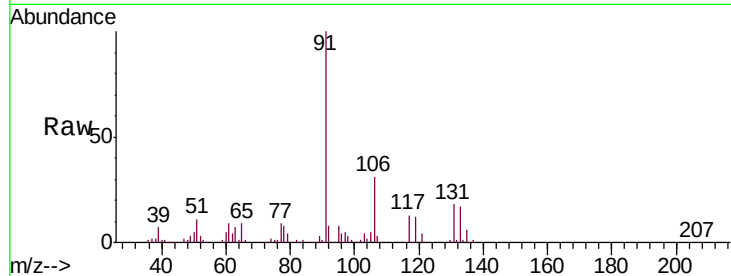
106 30.8 24.4 36.6

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9/13/2019 7:06:11 AM



#68

m/p-Xylenes

Concen: 39.948 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057865.D

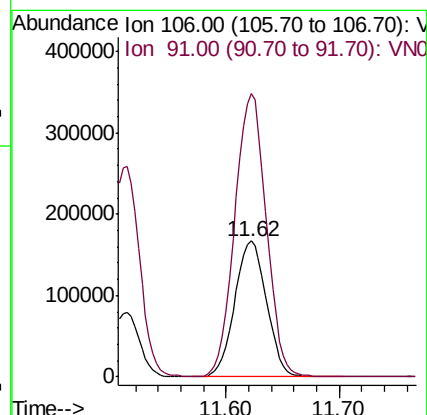
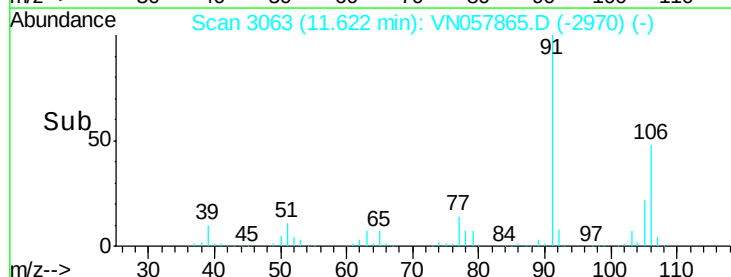
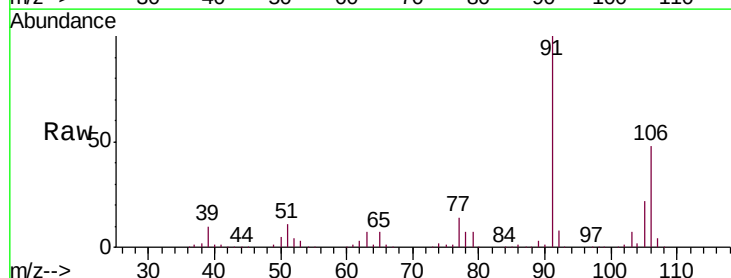
Acq: 10 Sep 2019 16:17

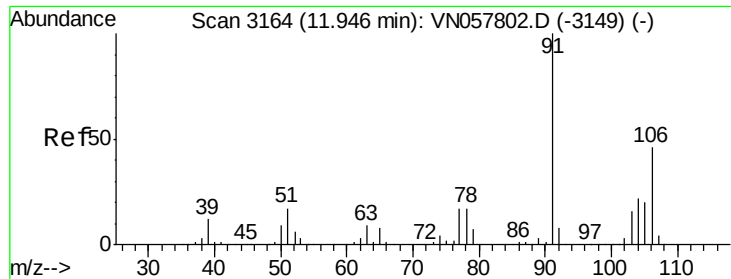
Tgt Ion: 106 Resp: 326701

Ion Ratio Lower Upper

106 100

91 205.9 165.8 248.6





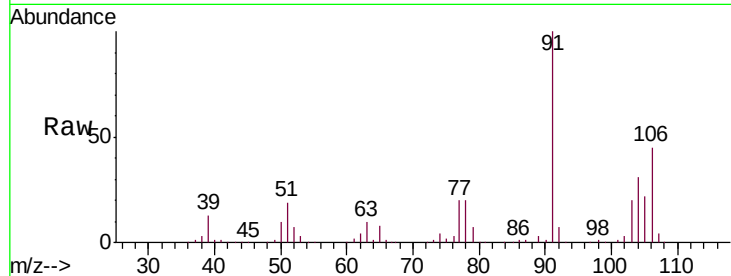
#69
o-Xylene
Concen: 19.919 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

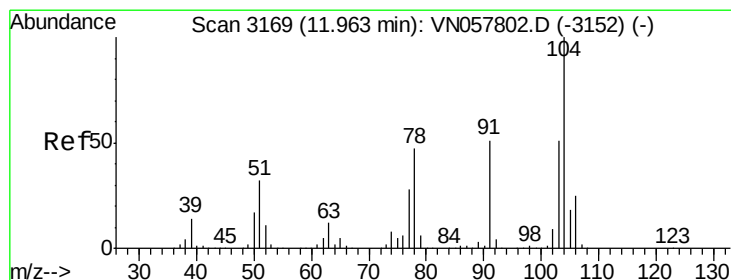
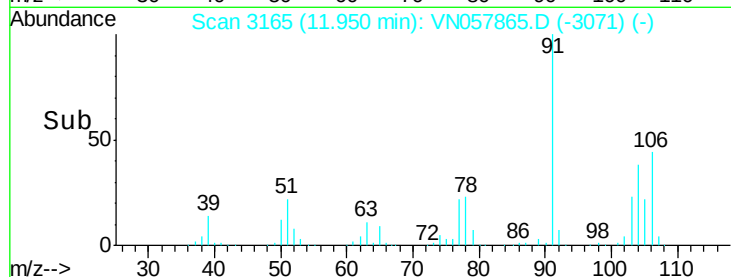
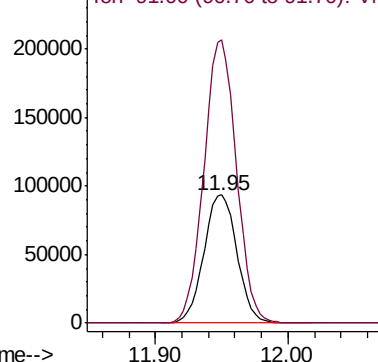
Tgt Ion:106 Resp: 161950
Ion Ratio Lower Upper
106 100
91 217.3 108.7 326.1

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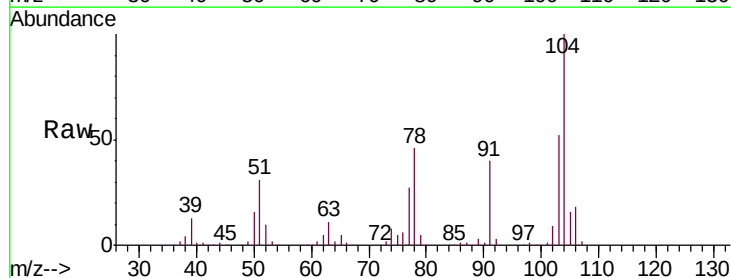


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

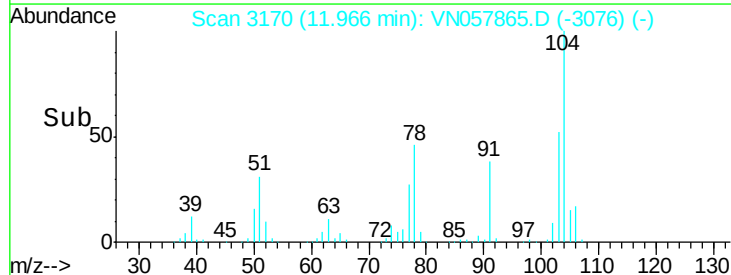
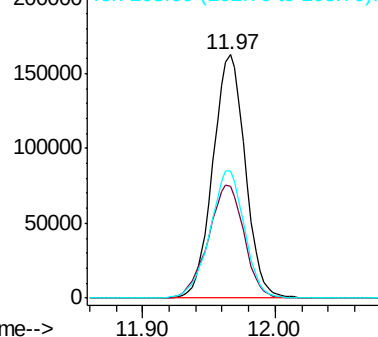


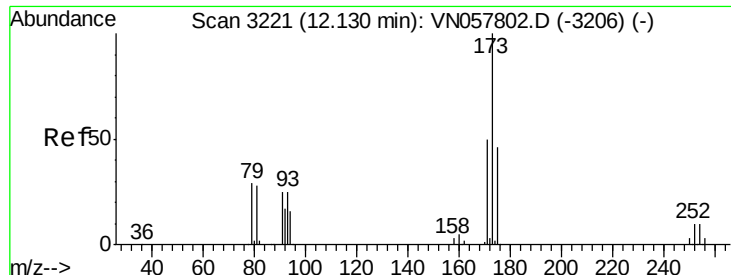
#70
Styrene
Concen: 19.734 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion:104 Resp: 276120
Ion Ratio Lower Upper
104 100
78 51.4 41.3 61.9
103 55.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





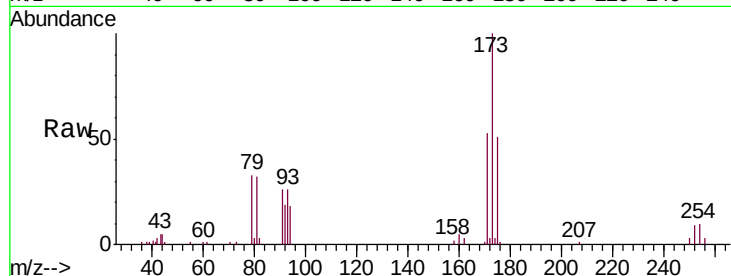
#71
Bromoform
Concen: 18.165 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD01

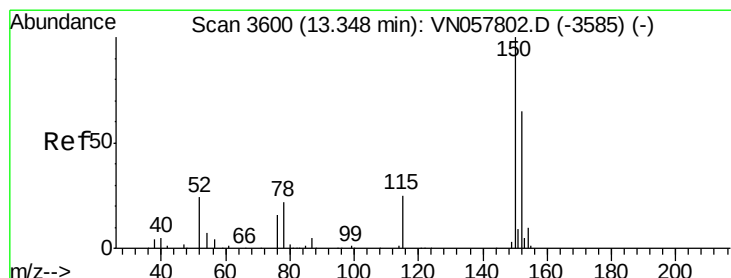
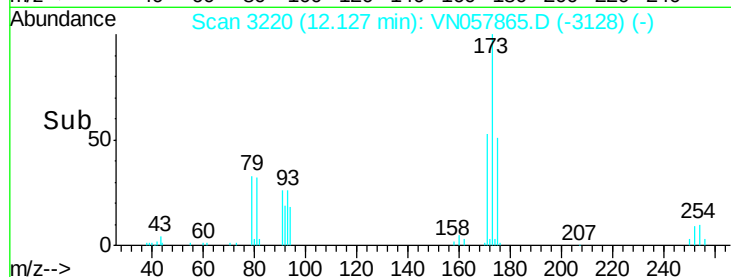
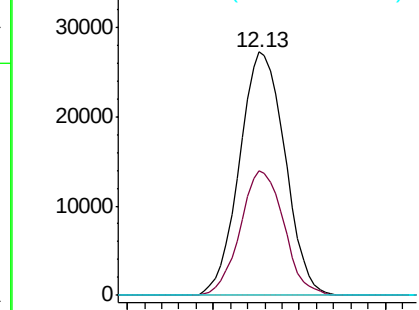
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.5	70.6
254	0.0	0.1	0.1#

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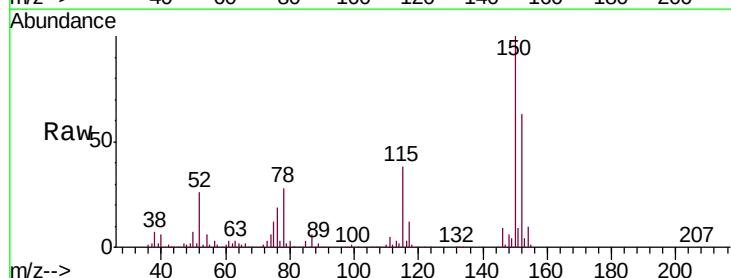


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

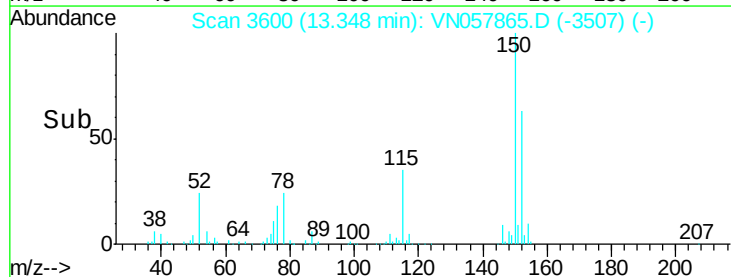
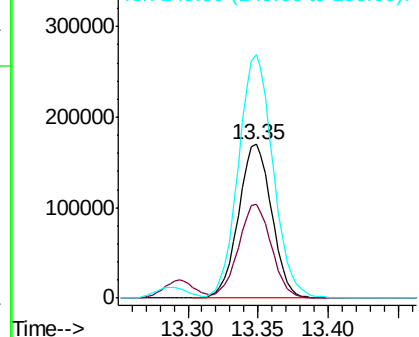


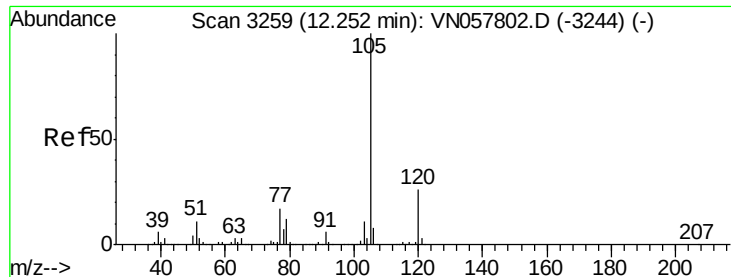
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.3	91.0
150	164.9	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.202 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD01

Tgt Ion: 105 Resp: 439726

Ion Ratio Lower Upper

105 100

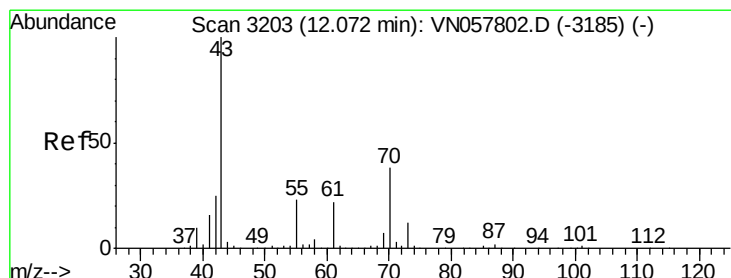
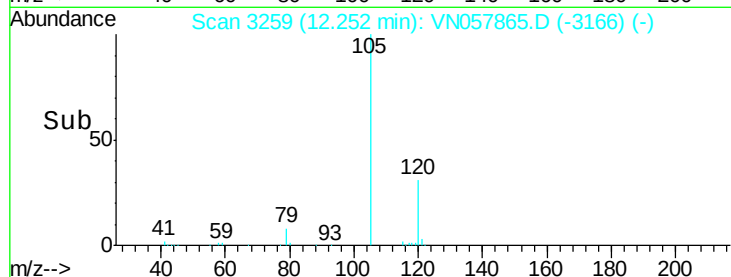
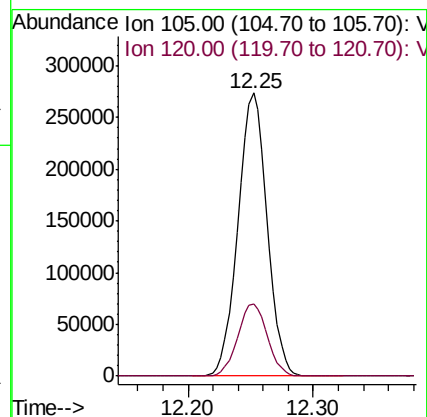
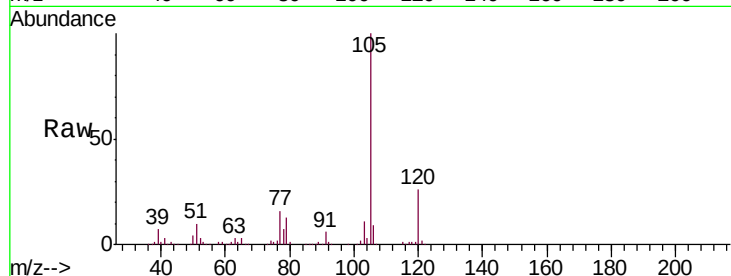
120 26.1 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.058 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion: 43 Resp: 190006

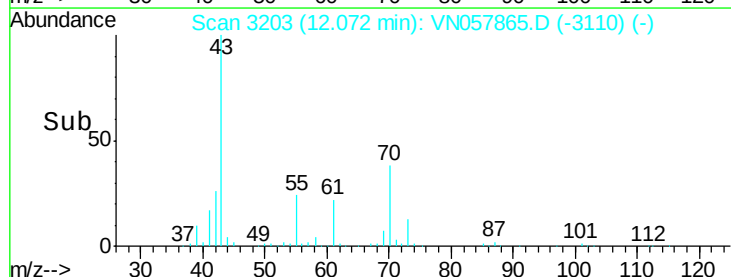
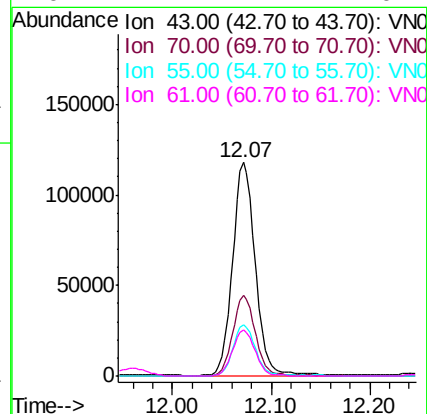
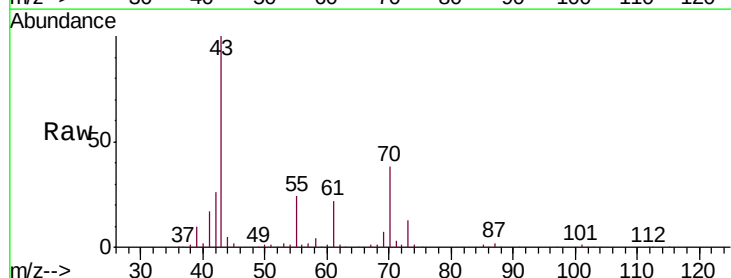
Ion Ratio Lower Upper

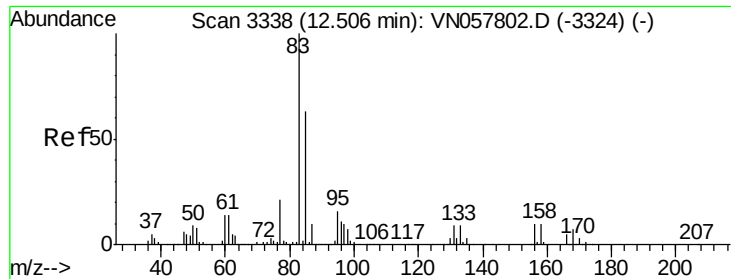
43 100

70 37.5 30.6 45.8

55 24.1 18.6 27.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.662 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

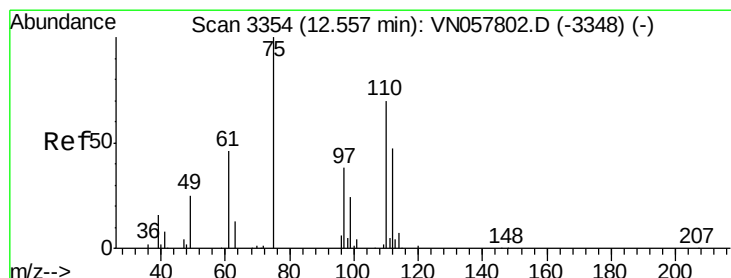
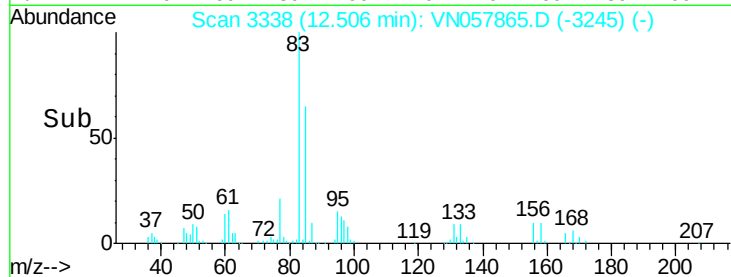
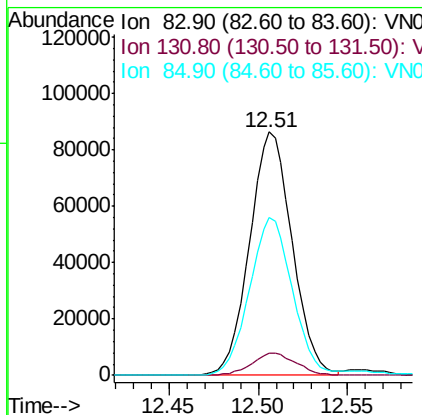
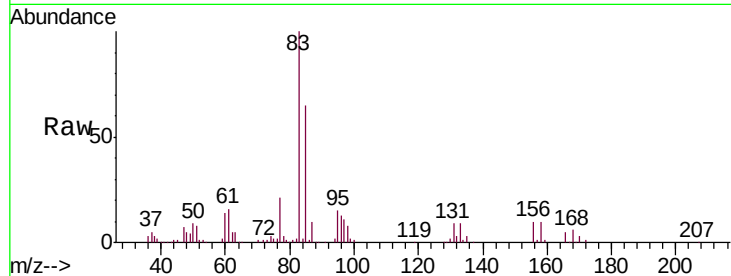
ClientSampleId :

VN0911WBSD01

Tgt Ion:	83	Resp:	144097
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	66.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 18.877 ug/l m

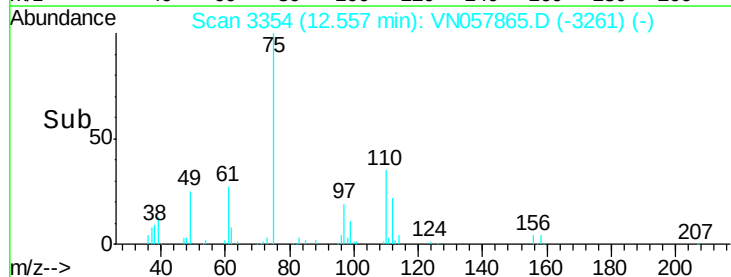
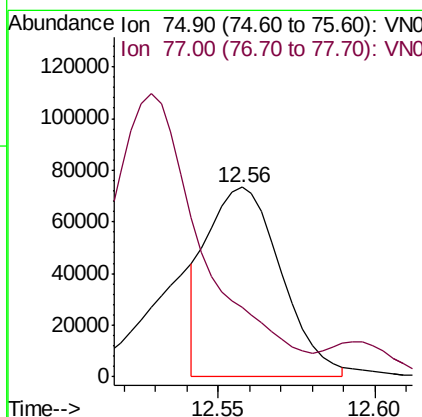
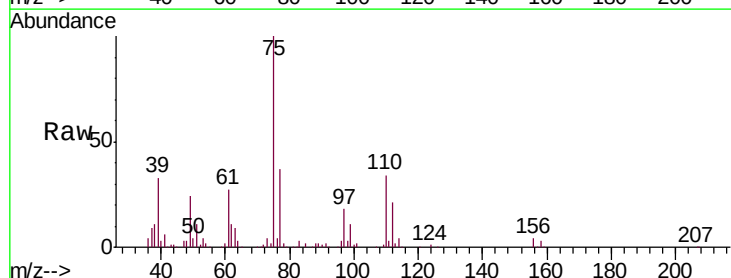
RT: 12.56 min Scan# 3354

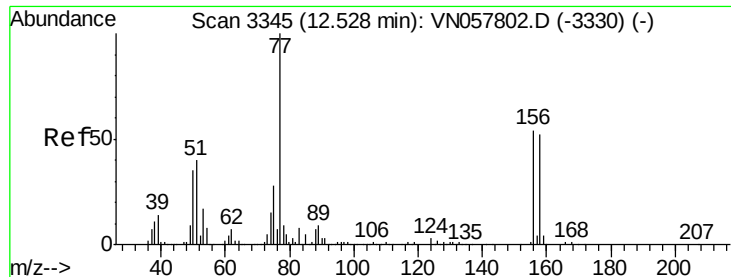
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	75	Resp:	119783
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.825 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

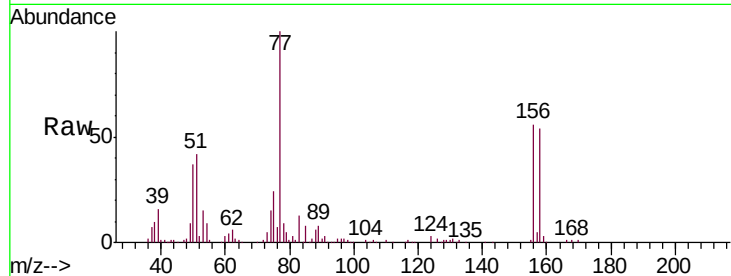
ClientSampleId :

VN0911WBSD01

Tgt Ion:	156	Resp:	102161
Ion Ratio	Lower	Upper	
156	100		
77	224.4	113.7	341.1
158	99.6	48.5	145.6

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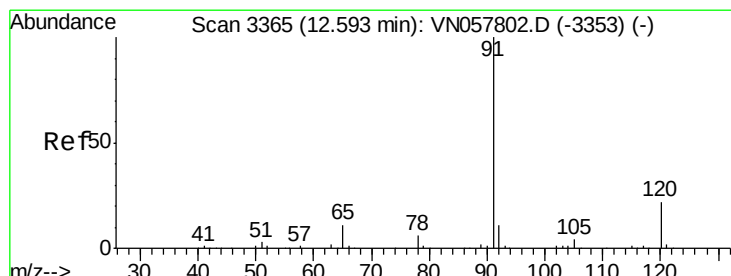
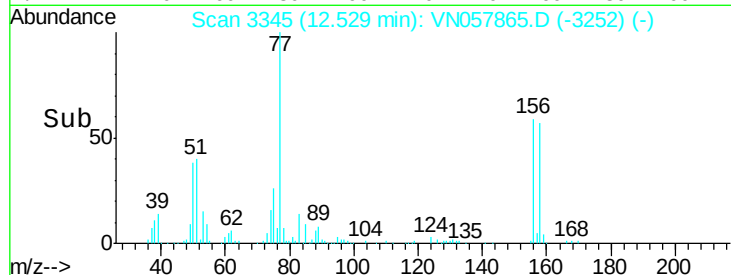
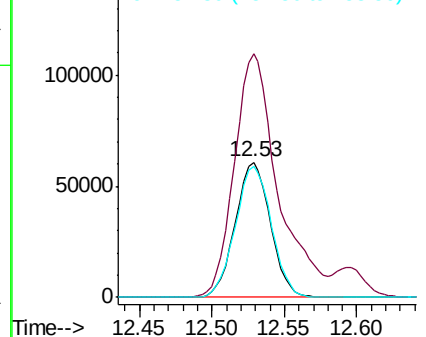
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.641 ug/l

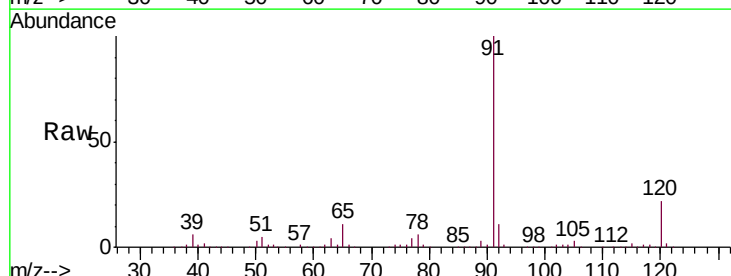
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057865.D

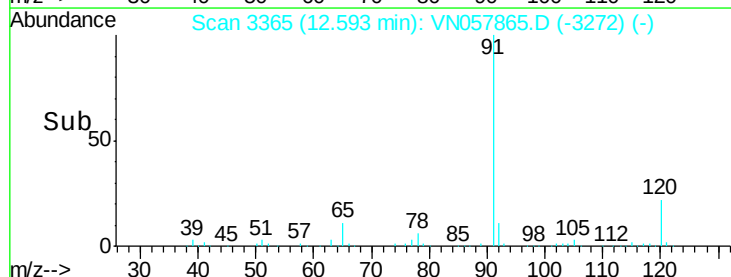
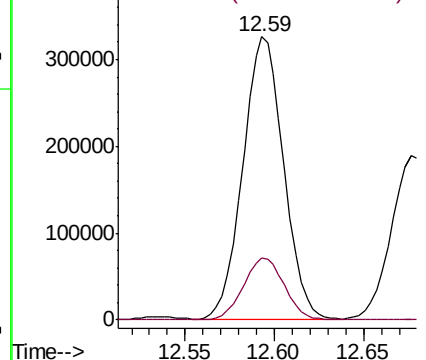
Acq: 10 Sep 2019 16:17

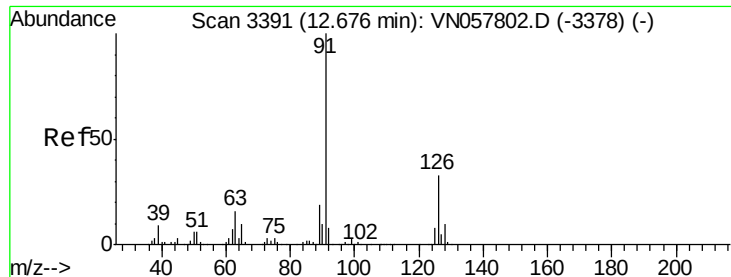
Tgt Ion:	91	Resp:	515901
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.531 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD01

Tgt Ion: 91 Resp: 308532

Ion Ratio Lower Upper

91 100

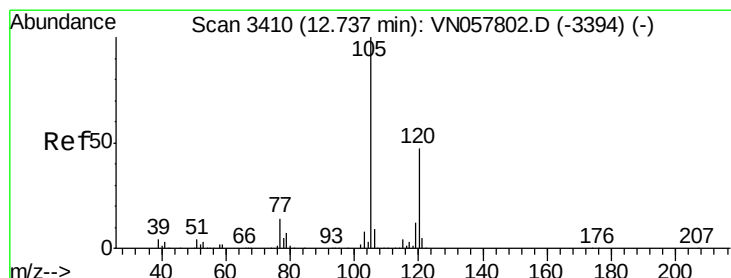
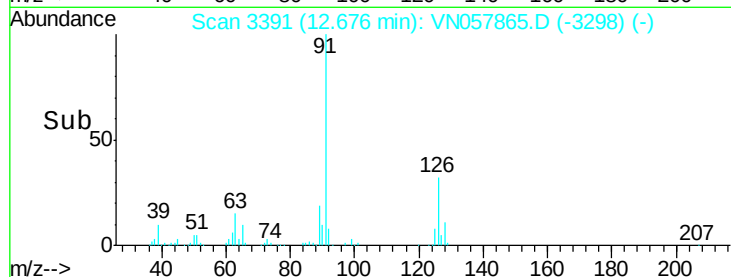
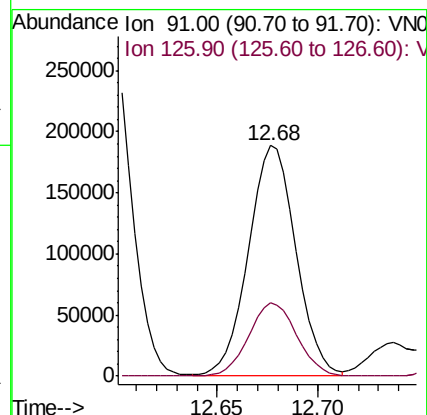
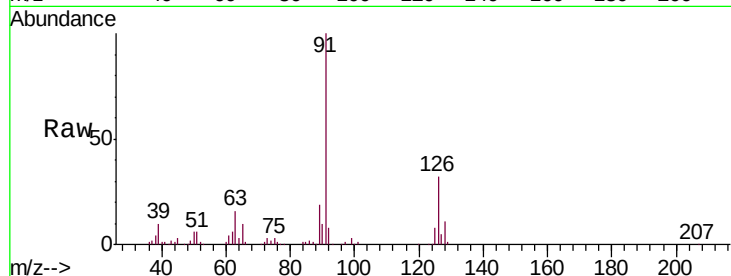
126 32.7 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.484 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057865.D

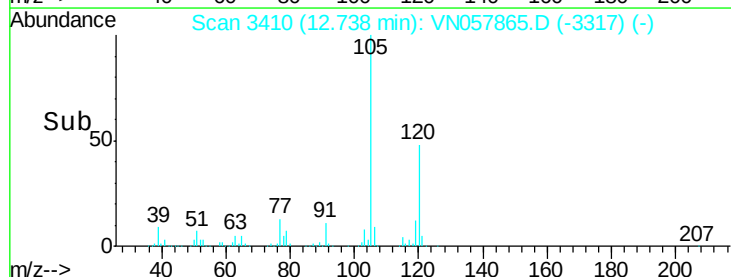
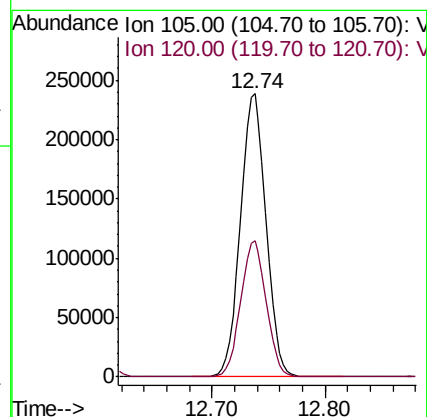
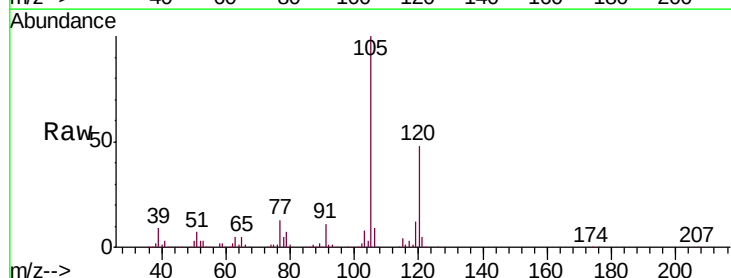
Acq: 10 Sep 2019 16:17

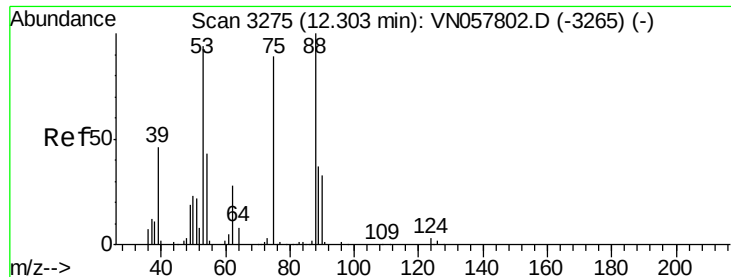
Tgt Ion: 105 Resp: 376723

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.636 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Instrument :

MSVOA_N

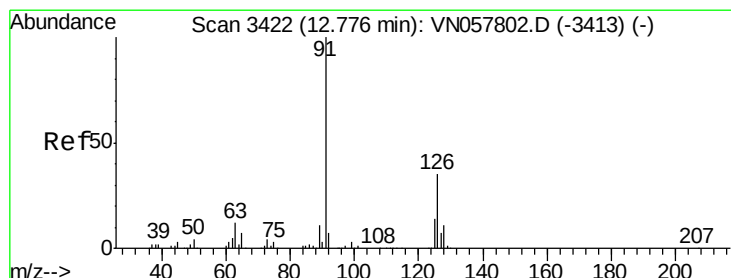
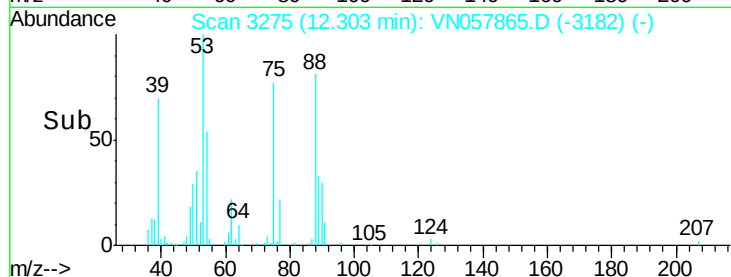
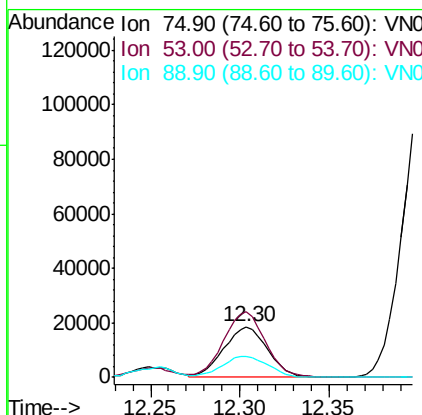
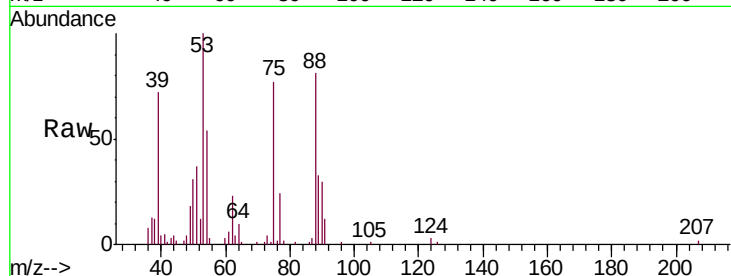
ClientSampleId :

VN0911WBSD01

Tgt Ion:	75	Resp:	31802
Ion	Ratio	Lower	Upper
75	100		
53	124.9	88.4	132.6
89	43.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.508 ug/l

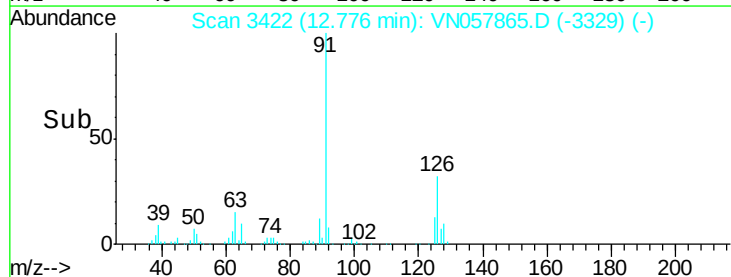
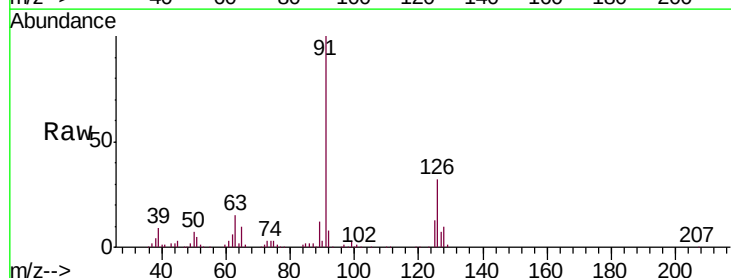
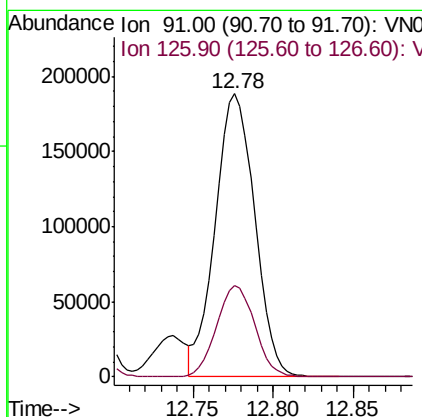
RT: 12.78 min Scan# 3422

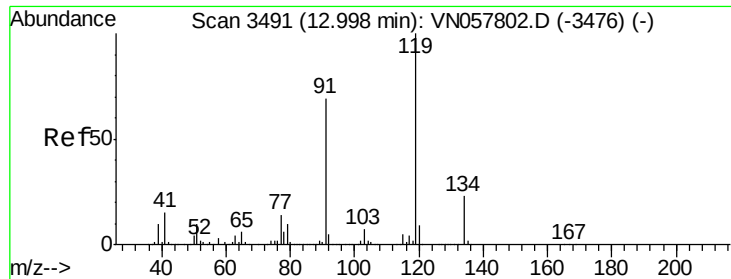
Delta R.T. 0.00 min

Lab File: VN057865.D

Acq: 10 Sep 2019 16:17

Tgt Ion:	91	Resp:	316471
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	48.0





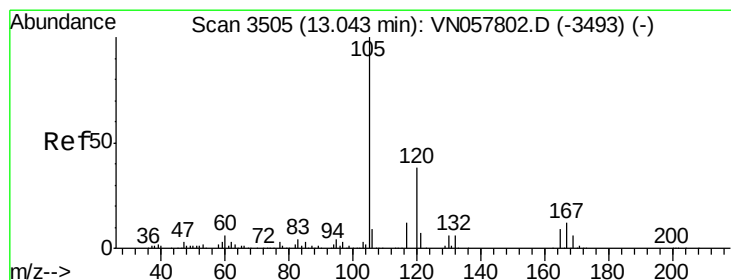
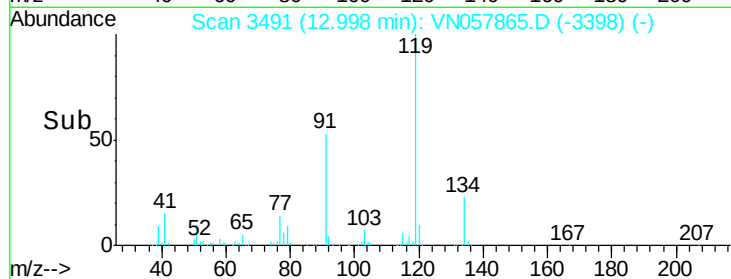
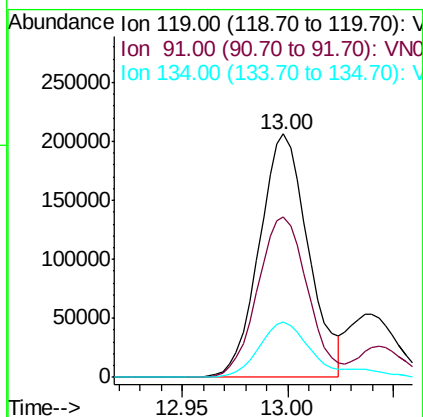
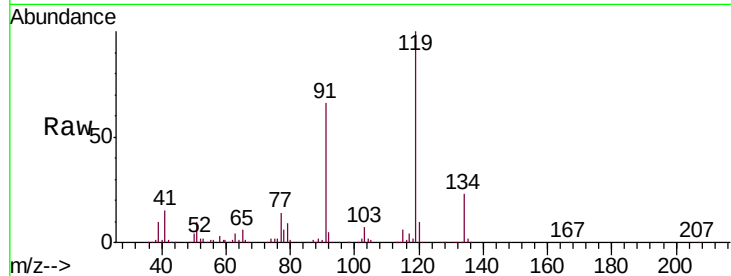
#83
 tert-Butylbenzene
 Concen: 20.400 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.6	100.8
134	23.4	11.7	35.0

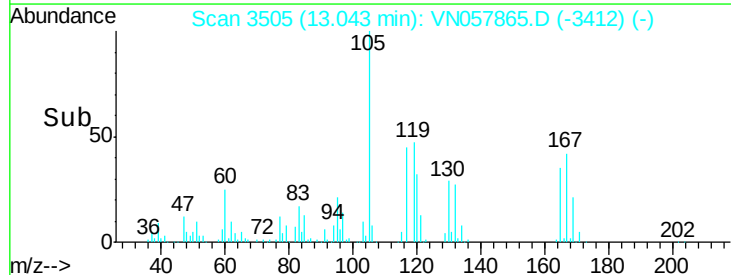
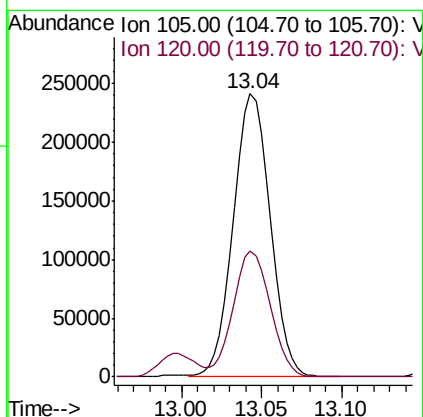
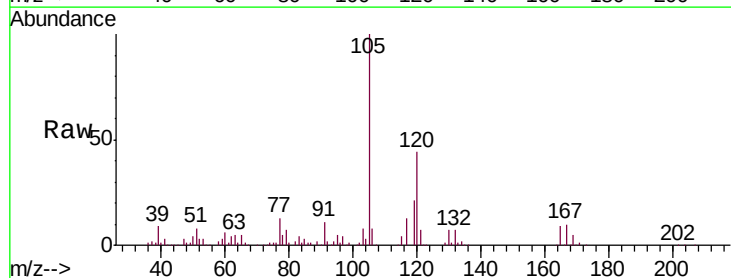
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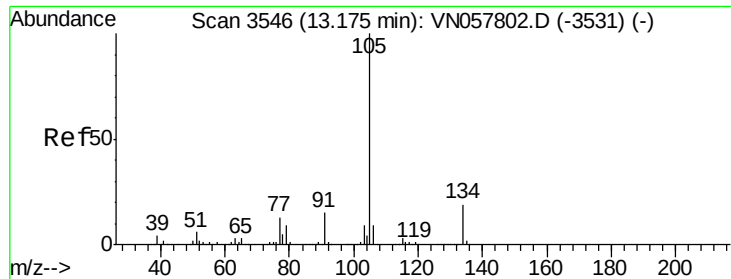
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.209 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.2





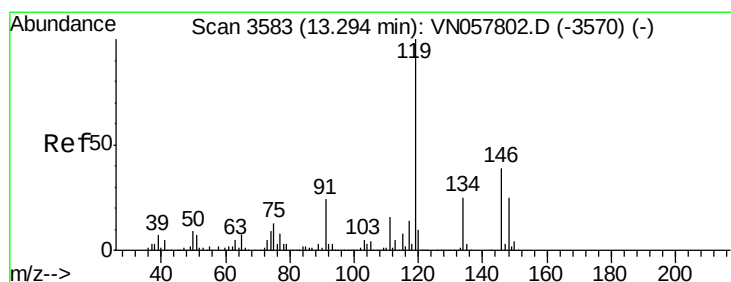
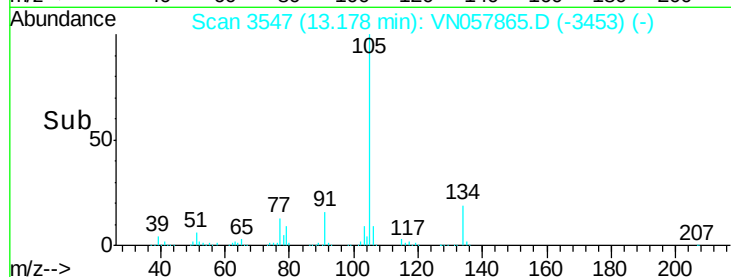
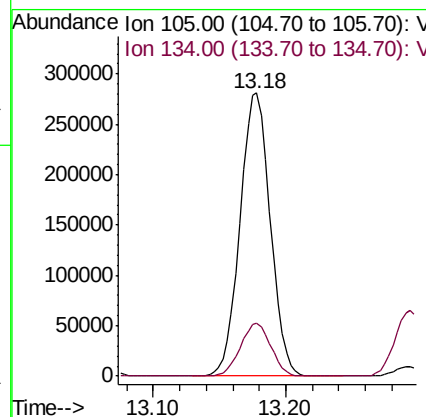
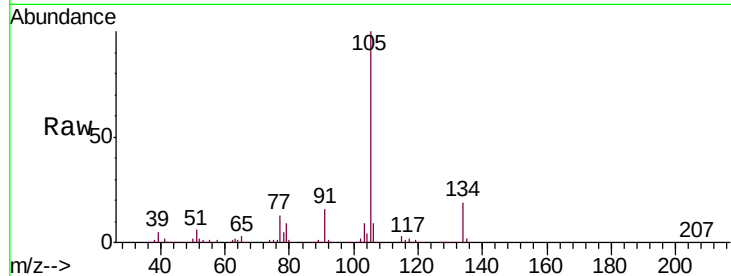
#85
 sec-Butylbenzene
 Concen: 20.479 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.6

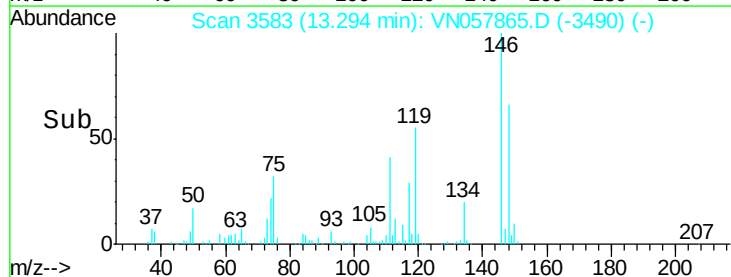
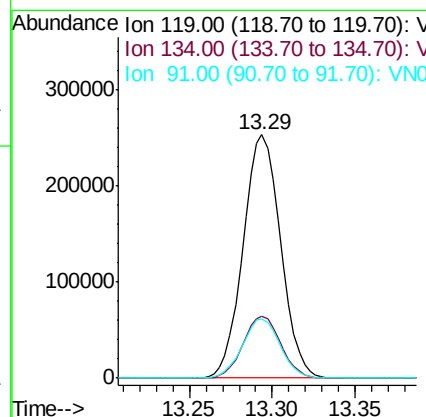
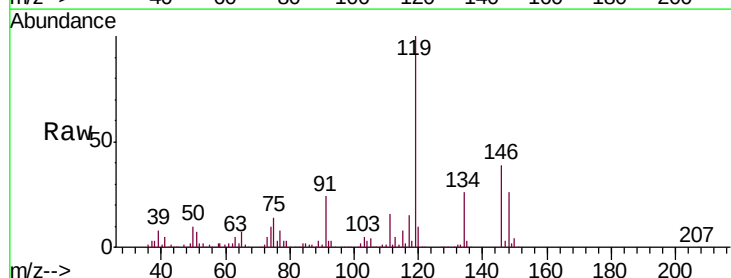
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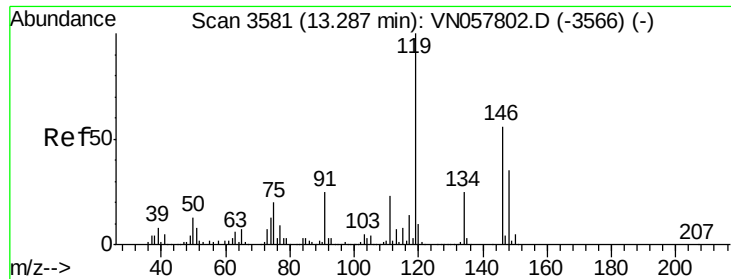
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#86
 p-Isopropyltoluene
 Concen: 20.744 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	24.6	12.3	36.8





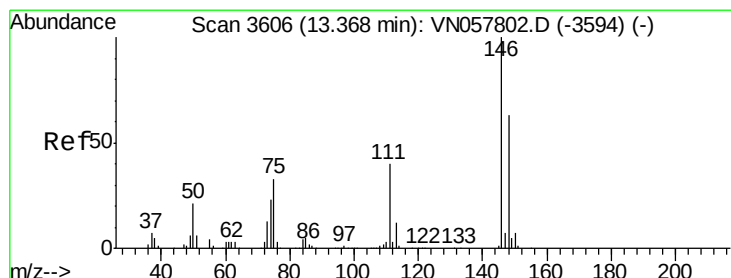
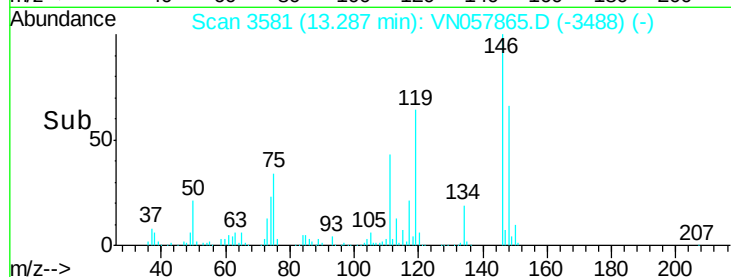
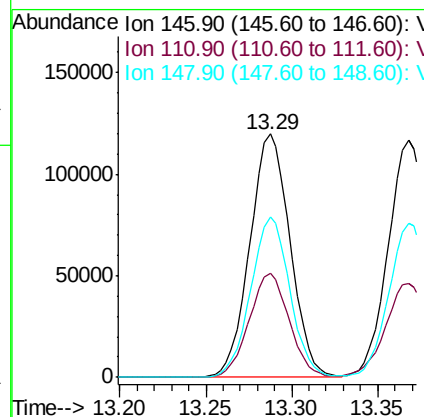
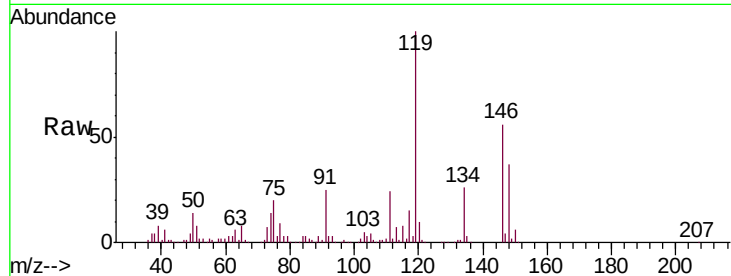
#87
 1,3-Dichlorobenzene
 Concen: 19.497 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	194212		
111	42.5	20.5	61.6	
148	64.0	31.5	94.5	

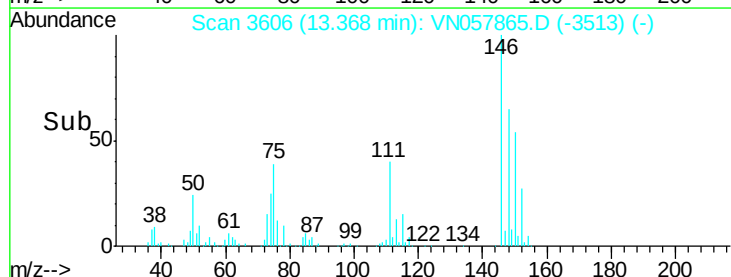
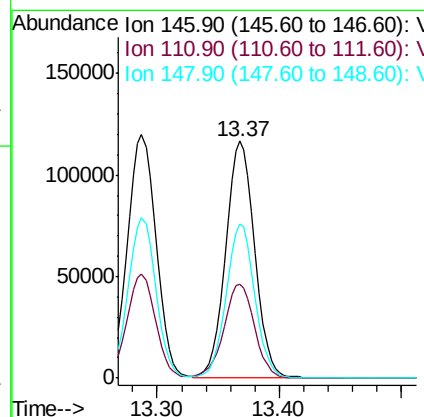
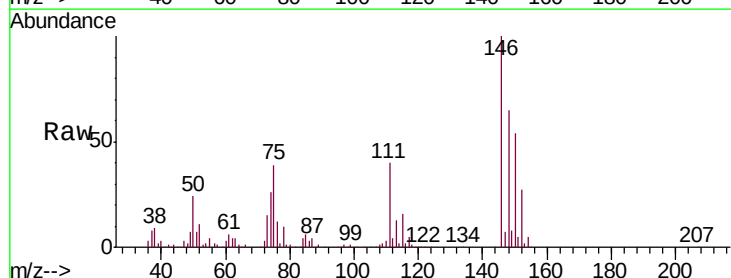
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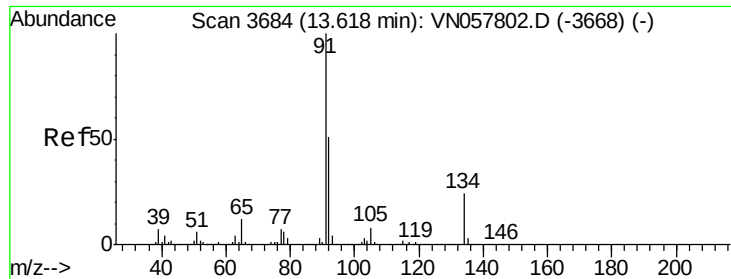
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#88
 1,4-Dichlorobenzene
 Concen: 19.295 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195087		
111	41.5	20.4	61.2	
148	64.3	31.8	95.4	





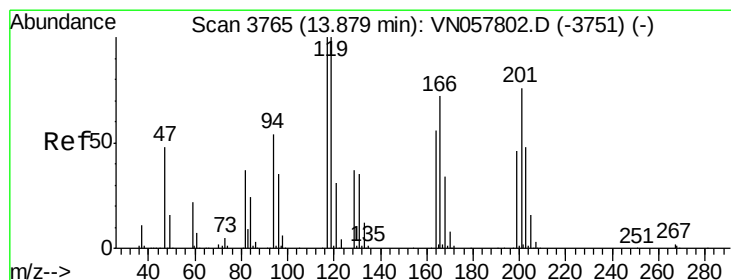
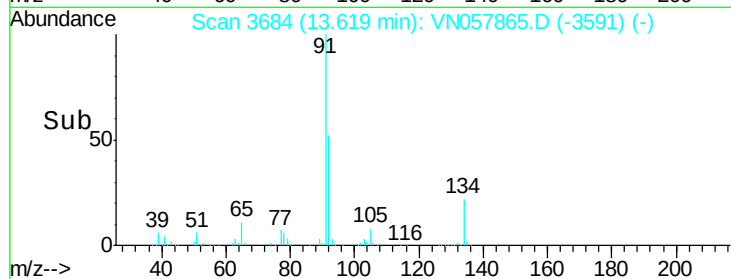
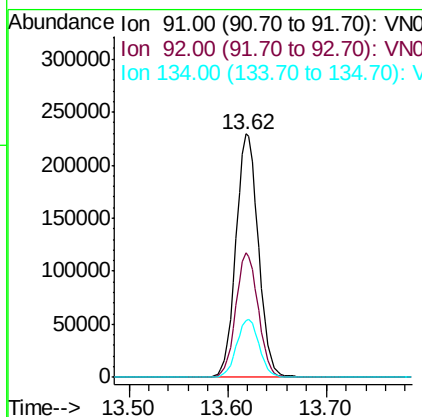
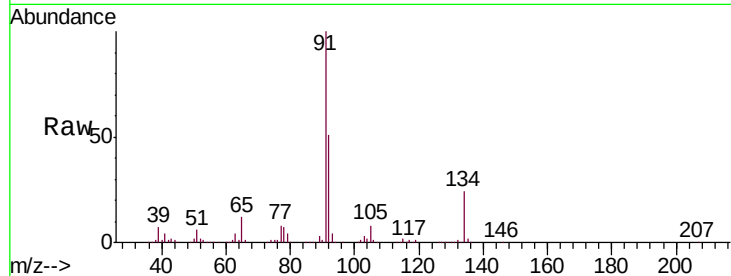
#89
n-Butylbenzene
Concen: 20.158 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.0
134	23.8	11.9	35.7

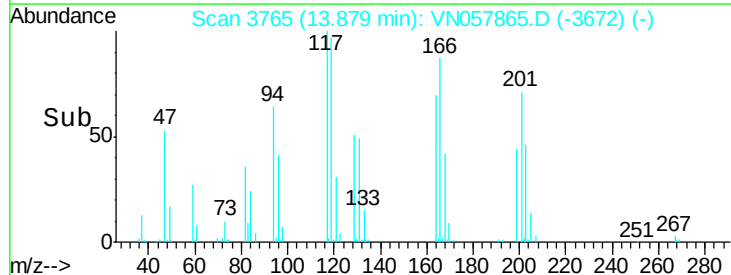
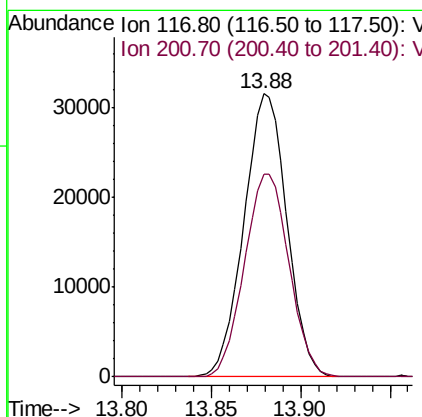
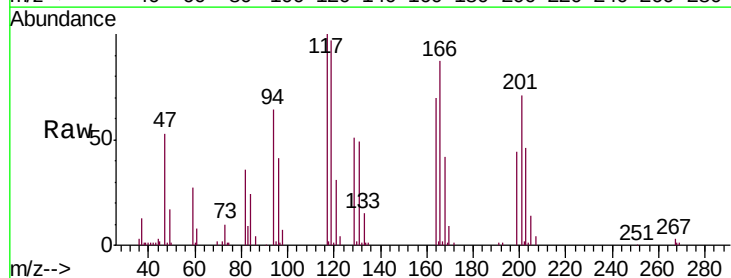
Manual Integrations
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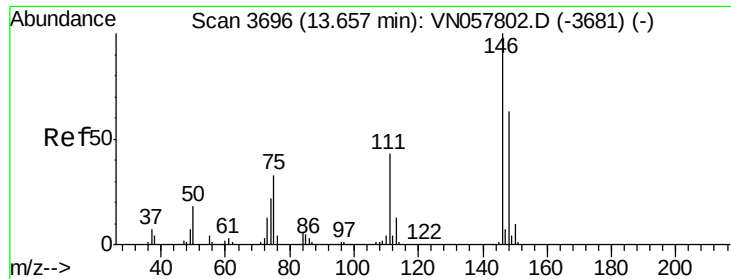
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#90
Hexachloroethane
Concen: 18.683 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	37.5	112.7





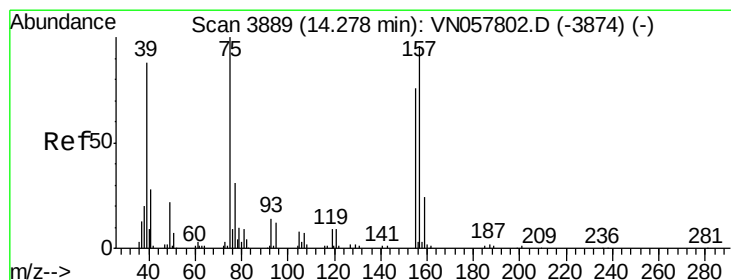
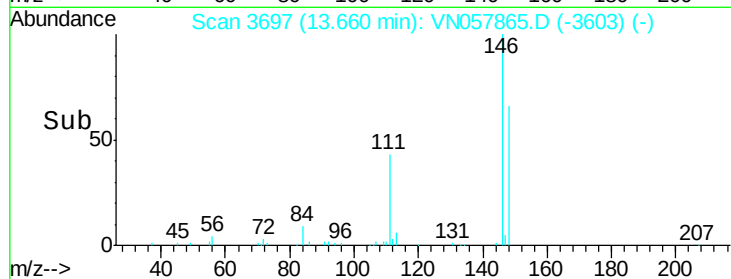
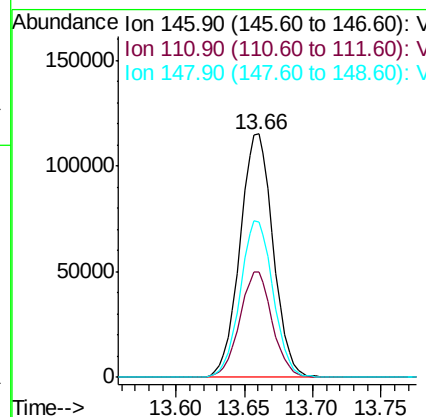
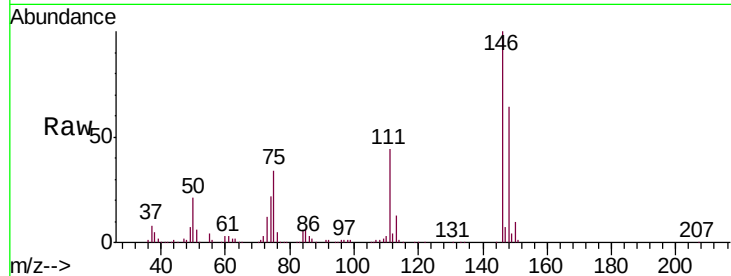
#91
 1,2-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	194201		
111	42.6	21.3	63.9	
148	64.0	31.4	94.3	

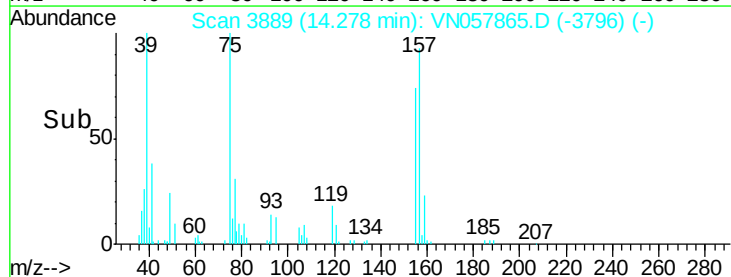
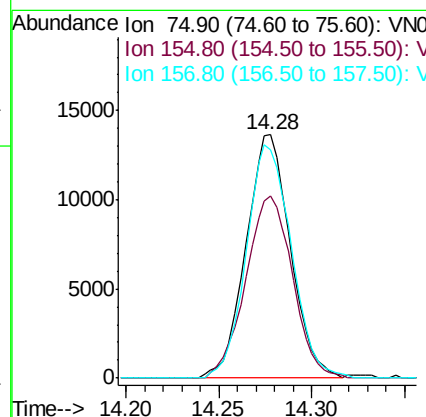
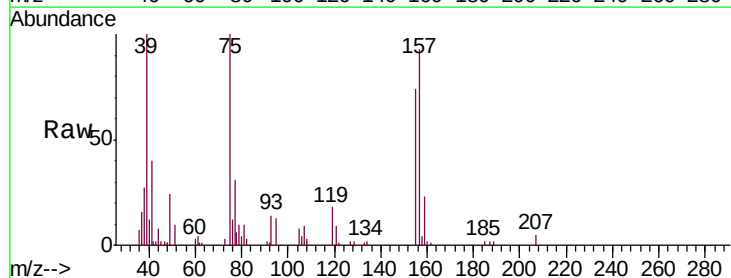
Manual Integrations
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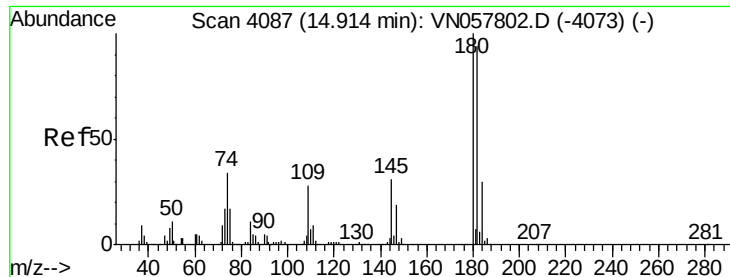
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 9/13/2019 7:06:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.812 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22768		
155	78.7	37.3	111.8	
157	97.4	47.9	143.8	





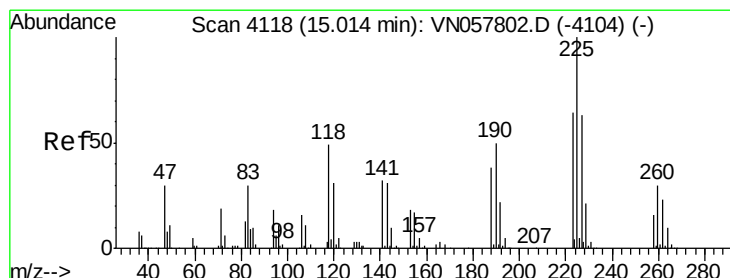
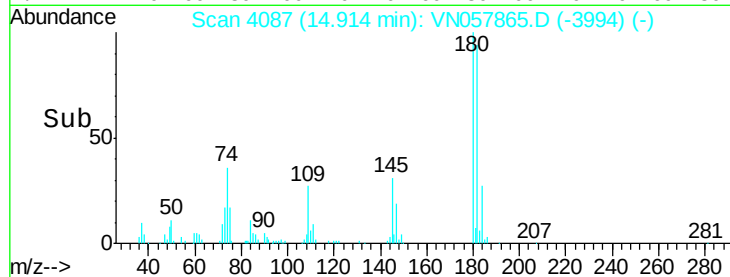
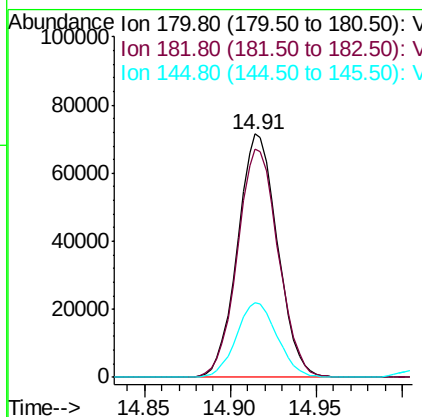
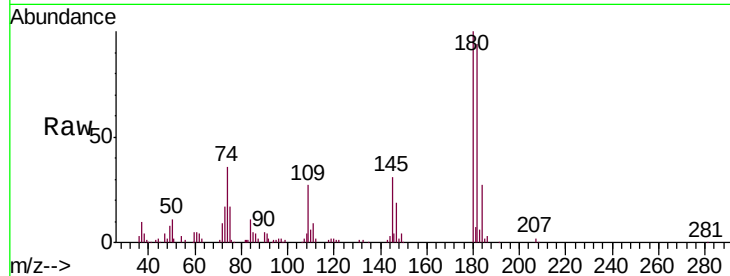
#93
 1,2,4-Trichlorobenzene
 Concen: 17.728 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115312		
182	96.1	46.9	140.8	
145	31.5	14.9	44.7	

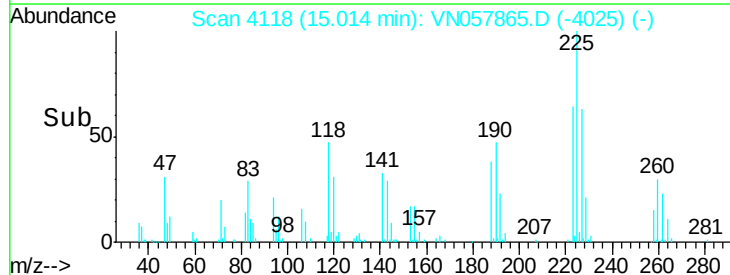
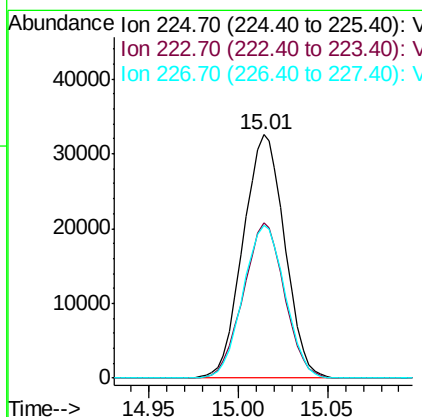
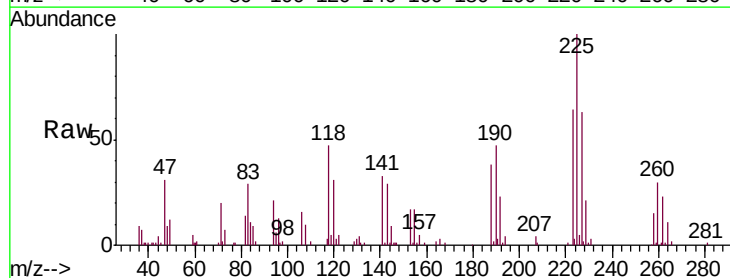
Manual Integrations
 APPROVED

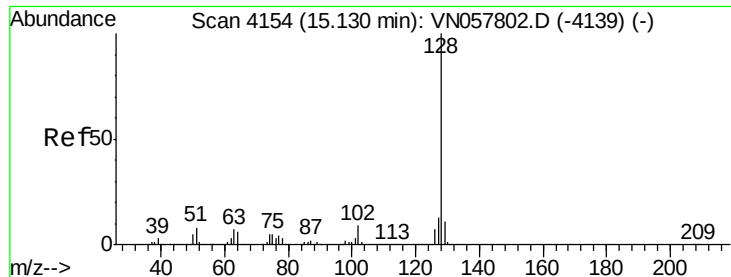
MMDadoda
 9/13/2019 7:06:11 AM



#94
 Hexachlorobutadiene
 Concen: 19.313 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057865.D
 Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53251		
223	62.7	32.4	97.2	
227	62.9	31.8	95.4	





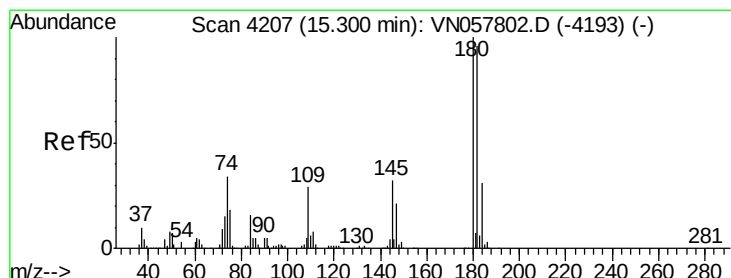
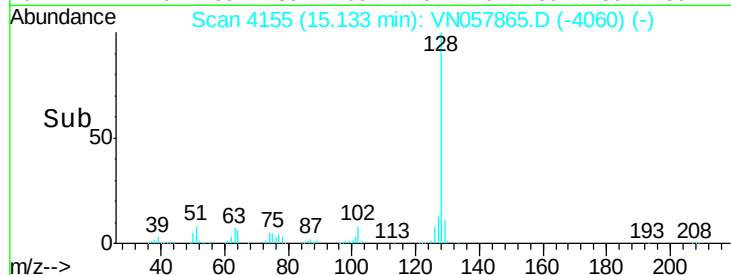
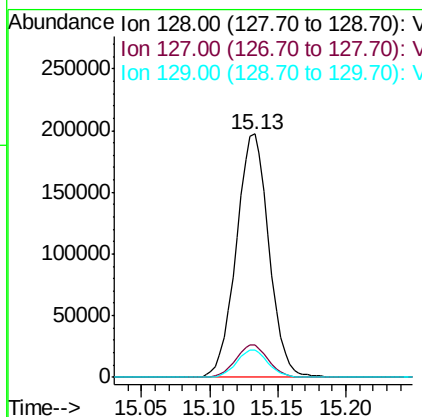
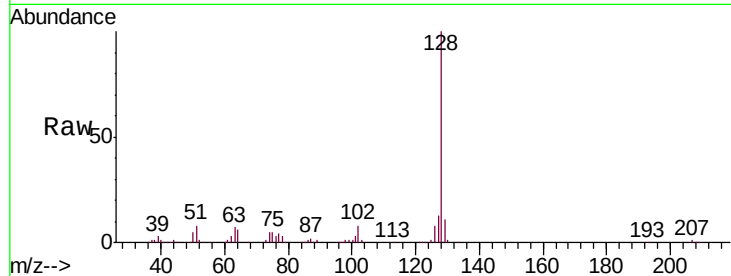
#95
Naphthalene
Concen: 18.983 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 7:06:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.326 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057865.D
Acq: 10 Sep 2019 16:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.3	144.8
145	32.2	16.3	48.8

