

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058265.D
 Acq On : 20 Sep 2019 20:45
 Operator : JC/SP
 Sample : K4974-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:54 PM

Quant Time: Sep 23 07:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	432489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	336339	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.58	113	243634	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.08	98	963169	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.41	95	351567	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	173943	48.959	ug/l	100
3) Chloromethane	2.04	50	144930	52.984	ug/l	98
4) Vinyl Chloride	2.17	62	155501	51.962	ug/l	98
5) Bromomethane	2.54	94	77208	48.723	ug/l	100
6) Chloroethane	2.68	64	105077	54.950	ug/l	97
7) Trichlorofluoromethane	3.00	101	231942	47.829	ug/l	100
8) Diethyl Ether	3.39	74	111893	50.357	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183556	52.499	ug/l	98
10) Methyl Iodide	3.93	142	146537	50.017	ug/l	100
11) Tert butyl alcohol	4.76	59	213674	298.204	ug/l	99
12) 1,1-Dichloroethene	3.72	96	138479	52.206	ug/l	92
13) Acrolein	3.59	56	47036	442.950	ug/l	97
14) Allyl chloride	4.30	41	282314	49.345	ug/l	100
15) Acrylonitrile	4.96	53	546738	286.392	ug/l	99
16) Acetone	3.80	43	492424	240.830	ug/l	99
17) Carbon Disulfide	4.03	76	169537	45.418	ug/l	97
18) Methyl Acetate	4.30	43	277808	51.635	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	705506	53.499	ug/l	100
20) Methylene Chloride	4.53	84	192122	53.684	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	147286	50.949	ug/l	99
22) Diisopropyl ether	5.93	45	781102	53.747	ug/l	99
23) Vinyl Acetate	5.87	43	2687193	270.224	ug/l	100
24) 1,1-Dichloroethane	5.83	63	402737	51.922	ug/l	99
25) 2-Butanone	6.81	43	768680	275.943	ug/l	100
26) 2,2-Dichloropropane	6.81	77	282006	42.855	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	226129	51.559	ug/l	99
28) Bromochloromethane	7.18	49	203769	55.533	ug/l #	99
29) Tetrahydrofuran	7.19	42	491358	286.358	ug/l	99
30) Chloroform	7.35	83	433867	51.965	ug/l	99
31) Cyclohexane	7.64	56	253230	50.532	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	336541	52.948	ug/l	99
36) 1,1-Dichloropropene	7.78	75	251325	45.966	ug/l	99
37) Ethyl Acetate	6.91	43	292327	51.518	ug/l	99
38) Carbon Tetrachloride	7.76	117	266859	48.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	248535	47.017	ug/l	97
40) Benzene	8.03	78	822198	49.233	ug/l	100
41) Methacrylonitrile	7.15	41	151987	53.112	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	349128	49.822	ug/l	100
43) Isopropyl Acetate	8.15	43	516356	48.726	ug/l #	92
44) Trichloroethene	8.82	130	208156	50.935	ug/l	99
45) 1,2-Dichloropropane	9.11	63	257869	51.705	ug/l	98
46) Dibromomethane	9.20	93	155199	51.184	ug/l	98
47) Bromodichloromethane	9.40	83	335008	52.738	ug/l	99
48) Methyl methacrylate	9.19	41	260670	54.176	ug/l	99
49) 1,4-Dioxane	9.19	88	90349	1143.702	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1707693	303.387	ug/l	100
52) Toluene	10.15	92	523349	50.004	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	334188	51.358	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	362143	50.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248044	53.405	ug/l	99
56) Ethyl methacrylate	10.43	69	365653	54.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414950	51.969	ug/l	100
59) 2-Hexanone	10.75	43	1251431	299.355	ug/l	98
60) Dibromochloromethane	10.90	129	245729	54.993	ug/l	100
61) 1,2-Dibromoethane	11.00	107	227423	52.836	ug/l	98
64) Tetrachloroethene	10.63	164	151762	44.280	ug/l	100
65) Chlorobenzene	11.43	112	611653	49.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	237582	52.983	ug/l	100
67) Ethyl Benzene	11.51	91	1086550	51.277	ug/l	100
68) m/p-Xylenes	11.62	106	786654	98.569	ug/l	96
69) o-Xylene	11.95	106	405094	51.622	ug/l	97
70) Stvrene	11.97	104	698169	51.636	ug/l	100
71) Bromoform	12.13	173	158476	47.836	ug/l #	99
73) Isopropylbenzene	12.25	105	1146808	52.998	ug/l	99
74) N-amyl acetate	12.07	43	481319	53.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	389754	53.787	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	356402m	57.605	ug/l	
77) Bromobenzene	12.53	156	267511	49.147	ug/l	97
78) n-propylbenzene	12.60	91	1315588	53.503	ug/l	99
79) 2-Chlorotoluene	12.68	91	793131	51.611	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	976163	53.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	93790	45.682	ug/l	96
82) 4-Chlorotoluene	12.78	91	829874	51.373	ug/l	99
83) tert-Butylbenzene	13.00	119	856322	52.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	985835	54.138	ug/l	99
85) sec-Butylbenzene	13.18	105	1163432	54.523	ug/l	99
86) p-Isopropyltoluene	13.30	119	1027684	54.174	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	507315	51.029	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	504757	49.732	ug/l	100
89) n-Butylbenzene	13.62	91	921057	51.212	ug/l	100
90) Hexachloroethane	13.88	117	164644	49.523	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	519288	52.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75158	57.612	ug/l	95
93) 1,2,4-Trichlorobenzene	14.92	180	306038	48.031	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	140767	45.708	ug/l	99
95) Naphthalene	15.13	128	856326	51.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	290989	48.318	ug/l	99

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

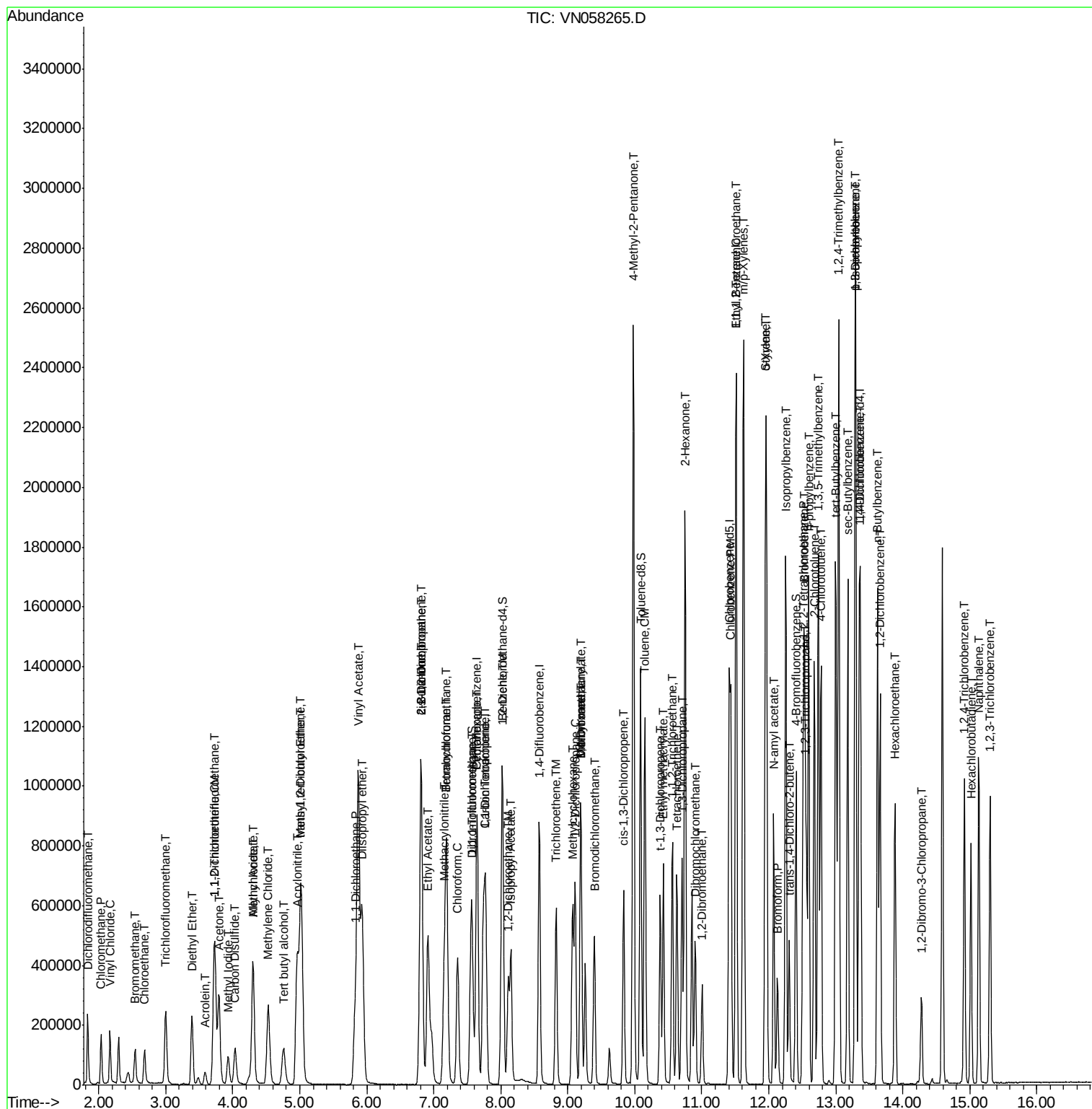
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092019\
Data File : VN058265.D
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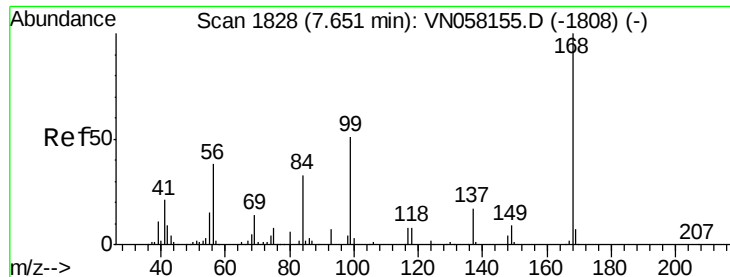
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion:168 Resp: 432489

Ion Ratio Lower Upper

168 100

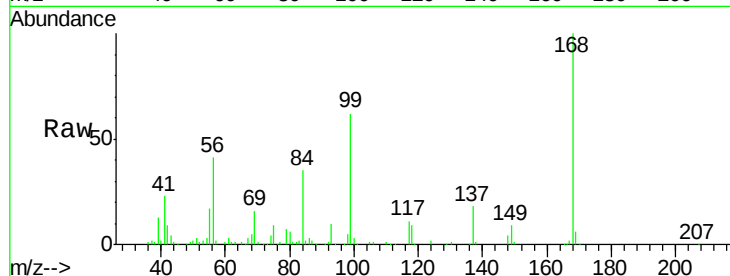
99 61.5 47.4 71.2

Manual Integrations

APPROVED

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9/23/2019 3:30:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

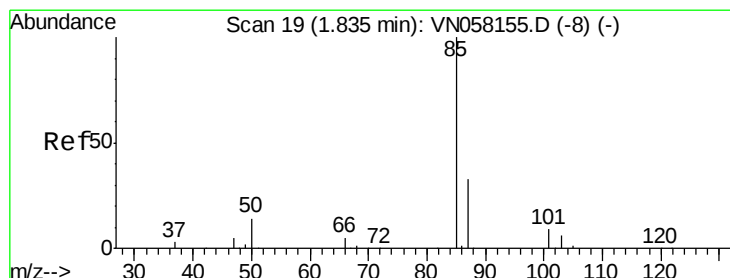
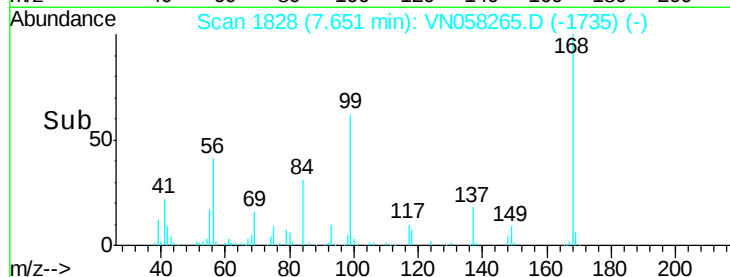
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.959 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058265.D

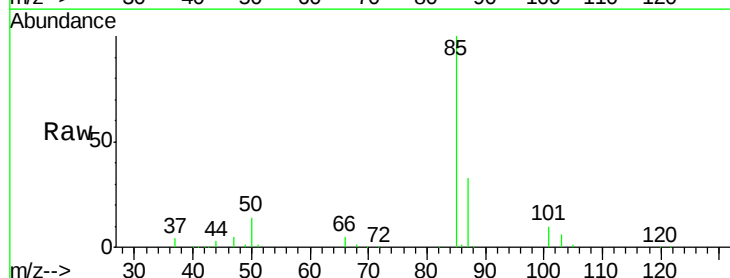
Acq: 20 Sep 2019 20:45

Tgt Ion: 85 Resp: 173943

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

1.75

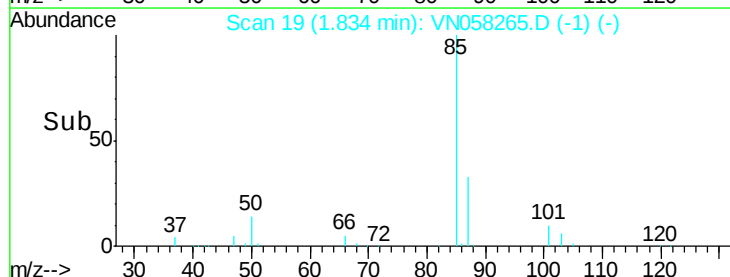
1.80

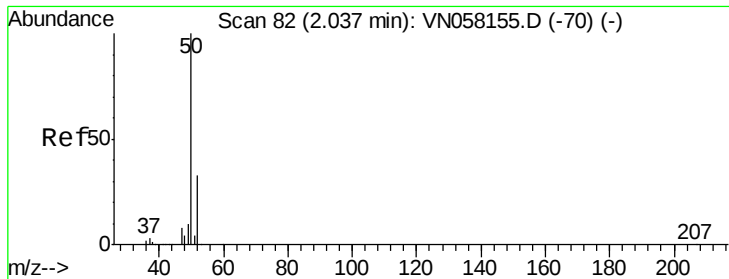
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 52.984 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 50 Resp: 144930

Ion Ratio Lower Upper

50 100

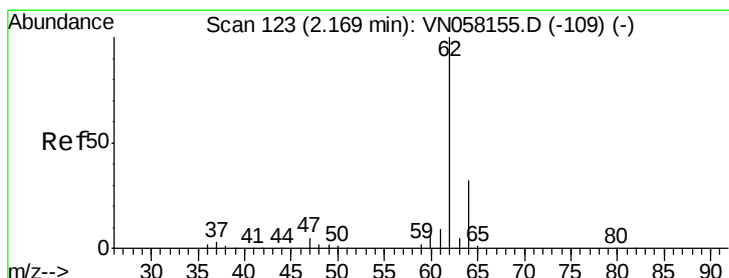
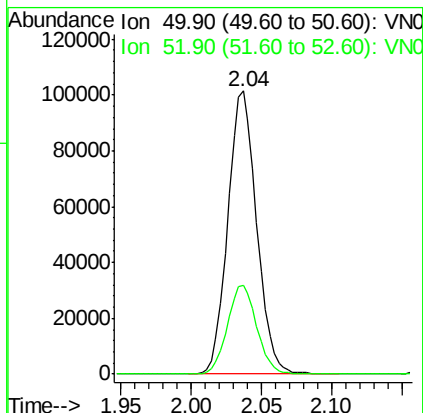
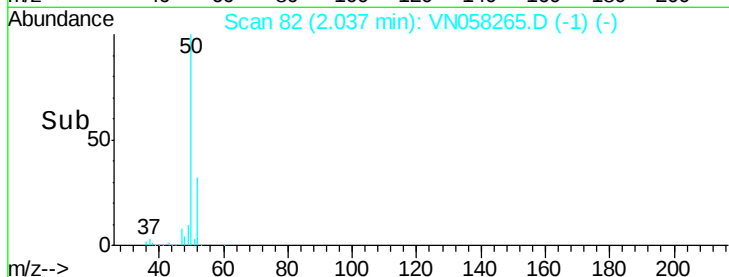
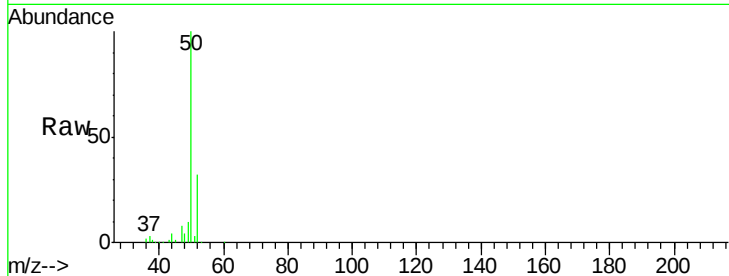
52 31.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.962 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058265.D

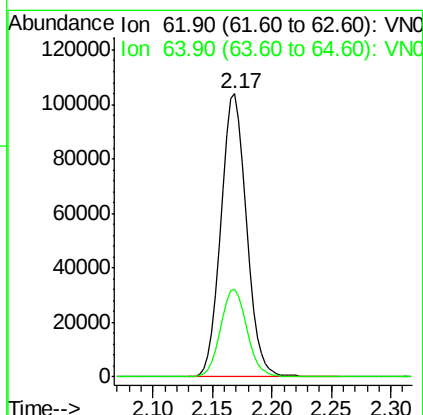
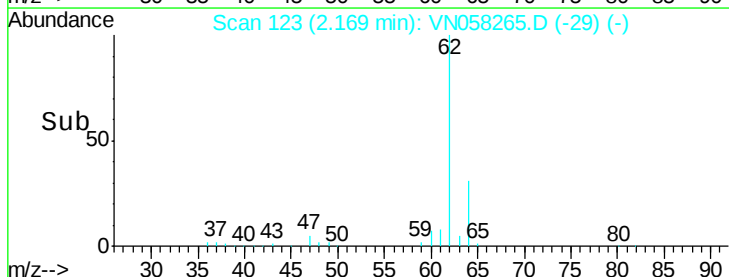
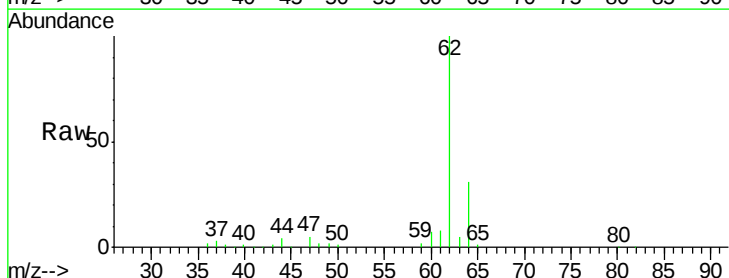
Acq: 20 Sep 2019 20:45

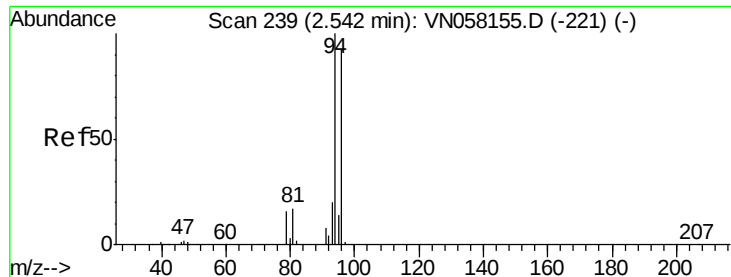
Tgt Ion: 62 Resp: 155501

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 48.723 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

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RE132D2-20190916MS

Tot Ion: 94 Resp: 77208

Ion Ratio Lower Upper

94 100

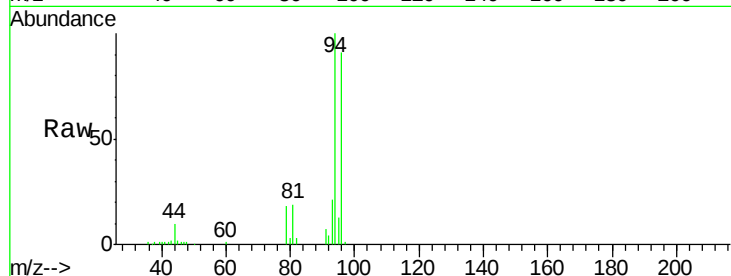
96 91.2 73.3 109.9

Manual Integrations

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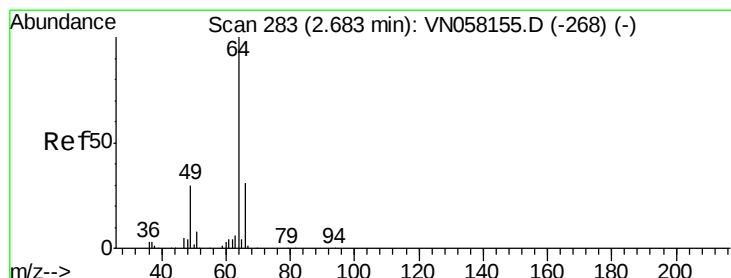
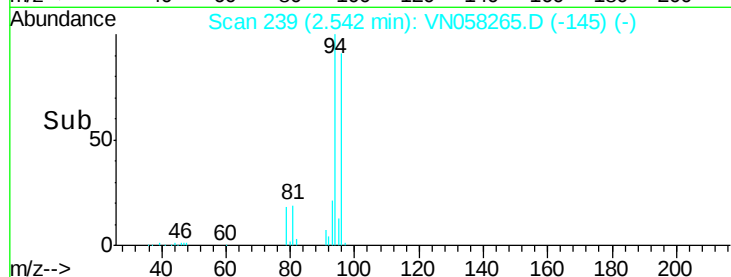
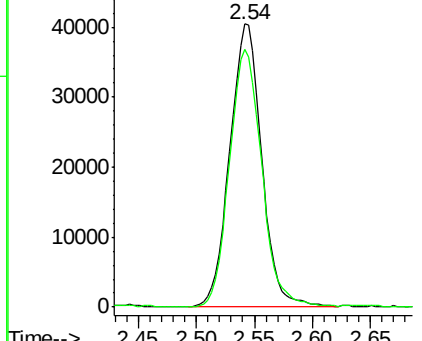
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.950 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058265.D

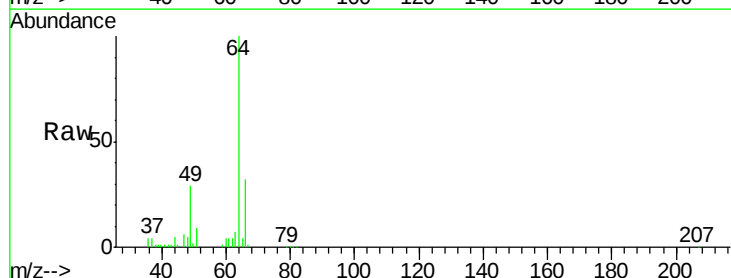
Acq: 20 Sep 2019 20:45

Tgt Ion: 64 Resp: 105077

Ion Ratio Lower Upper

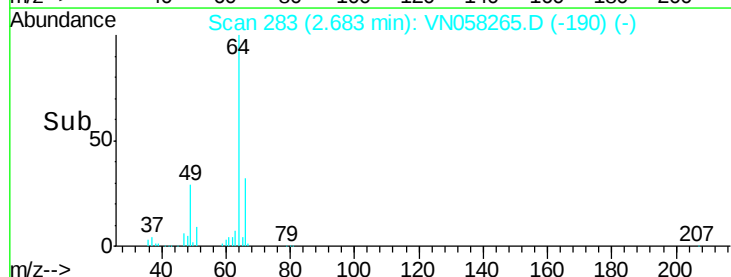
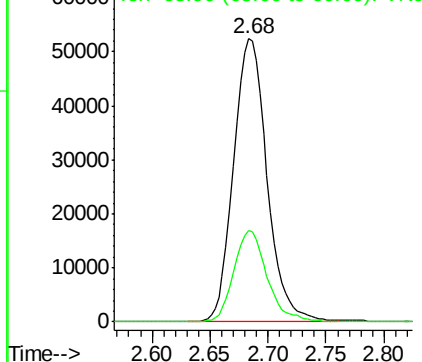
64 100

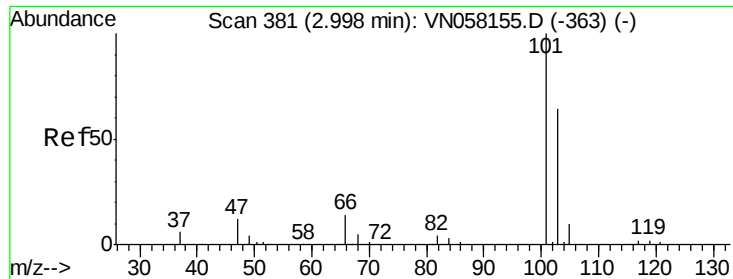
66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

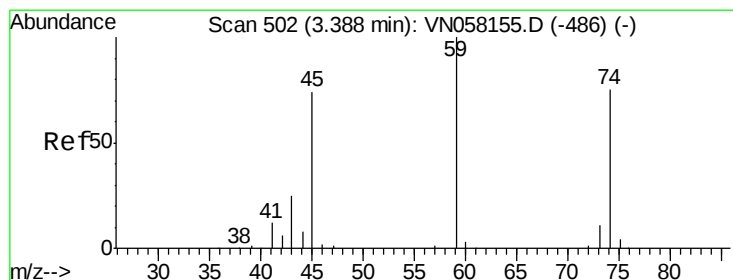
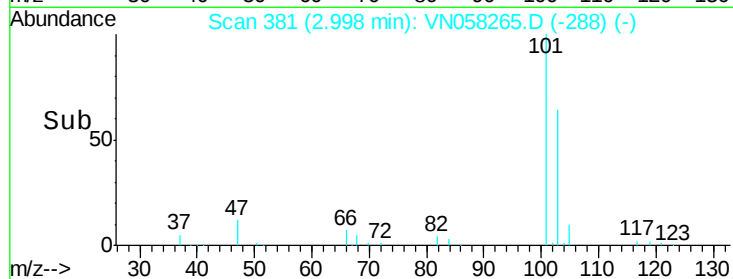
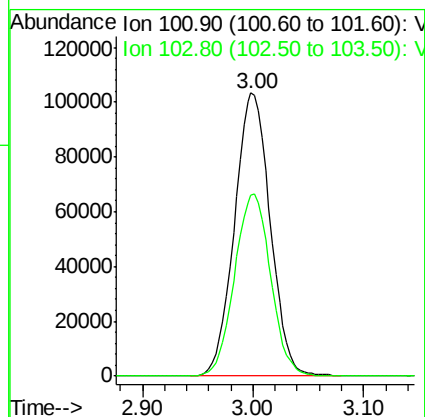
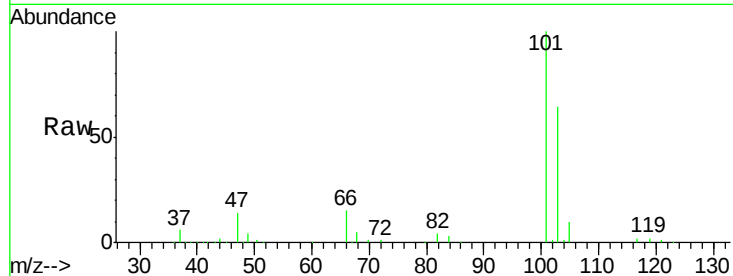
Trichlorofluoromethane
Concen: 47.829 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
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RE132D2-20190916MS

Tot Ion:101 Resp: 231942
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

Manual Integrations
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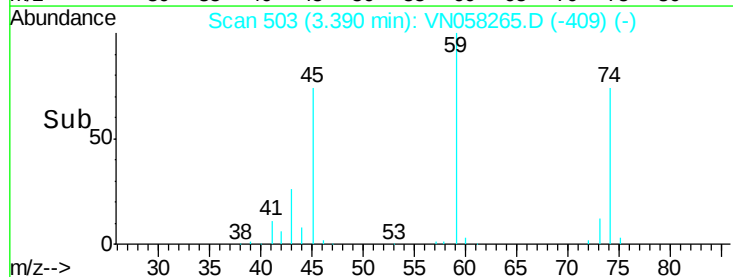
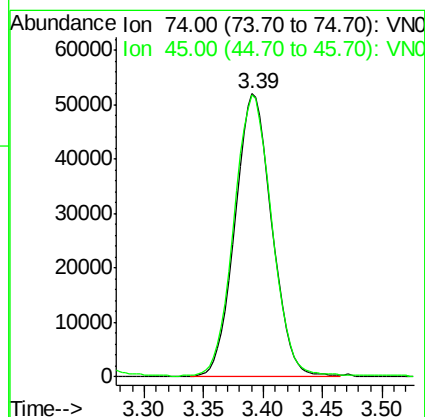
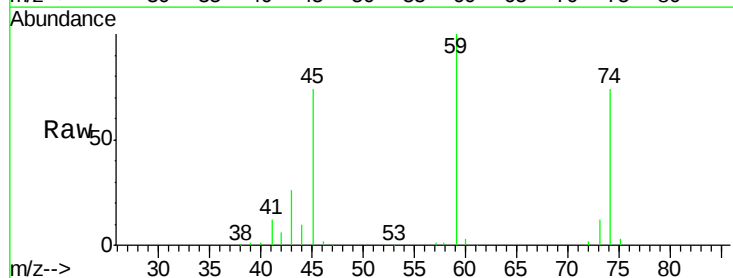
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#8

Diethyl Ether
Concen: 50.357 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion: 74 Resp: 111893
Ion Ratio Lower Upper
74 100
45 101.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.499 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

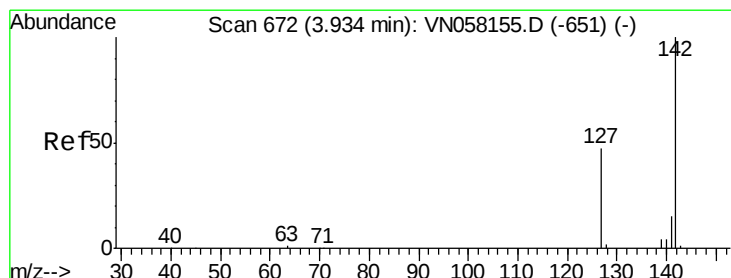
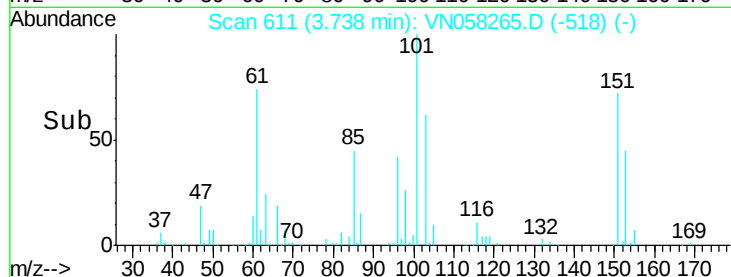
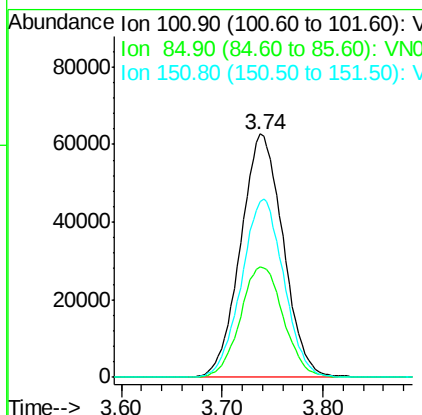
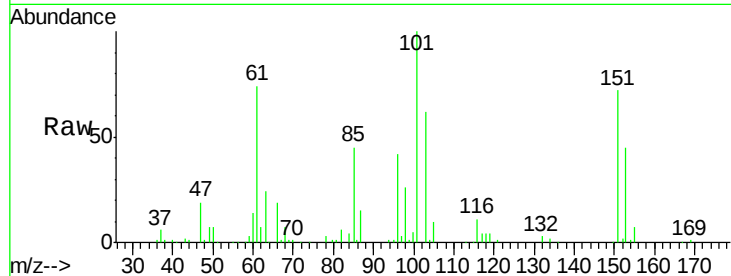
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	101	Resp:	183556
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.3	55.9
151	72.8	59.6	89.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.017 ug/l

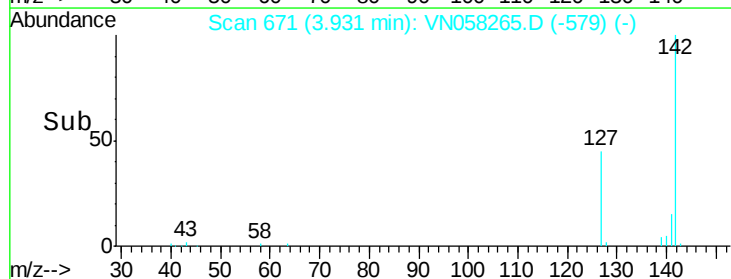
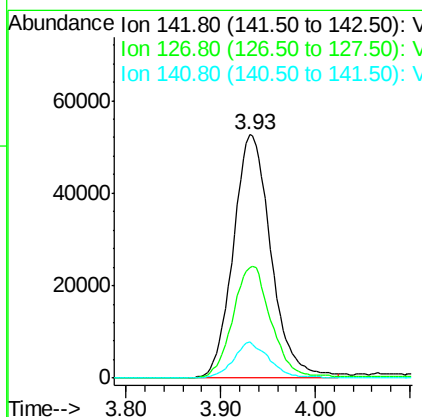
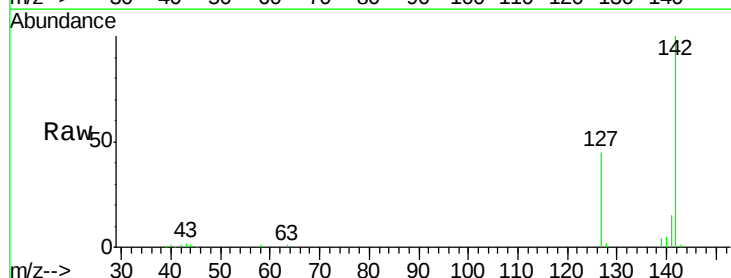
RT: 3.93 min Scan# 671

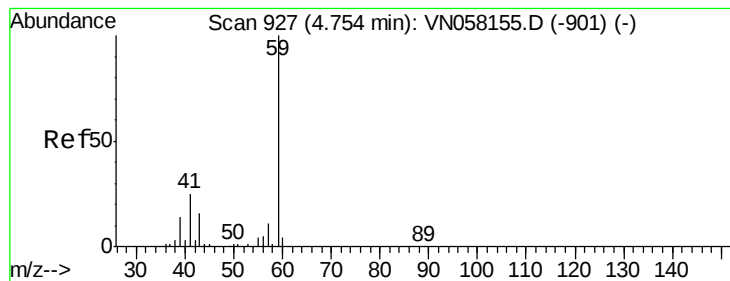
Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	142	Resp:	146537
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.5	56.3
141	13.9	11.4	17.2





#11

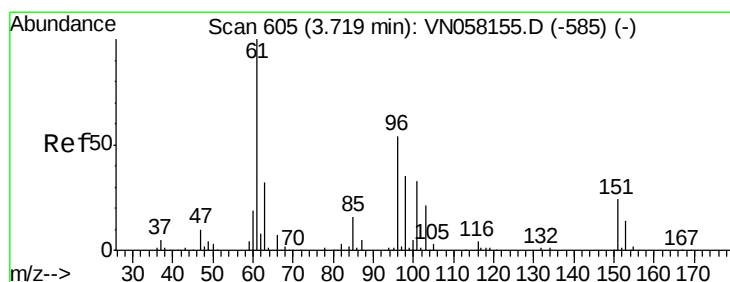
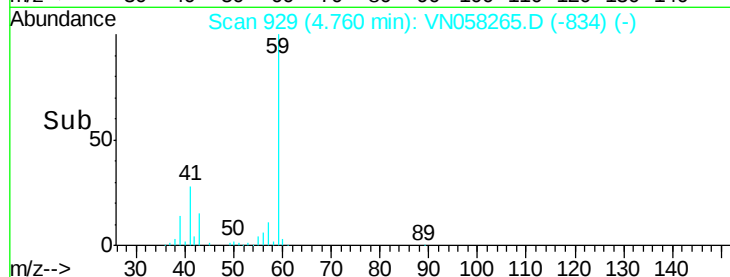
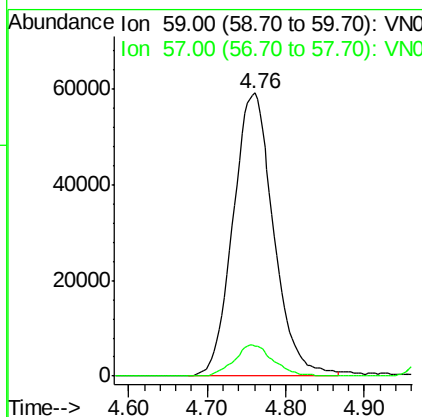
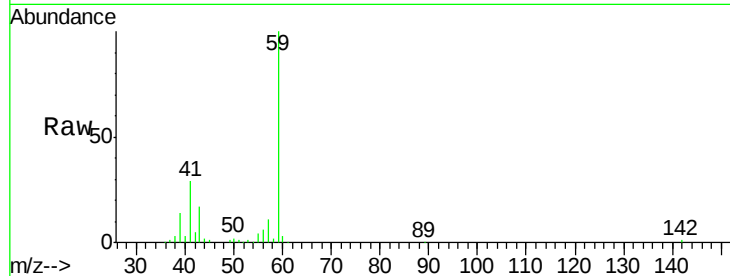
Tert butyl alcohol
 Concen: 298.204 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

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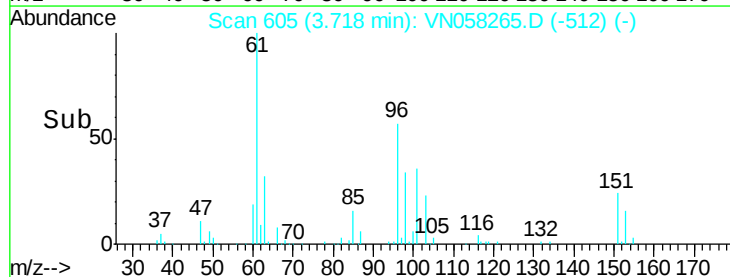
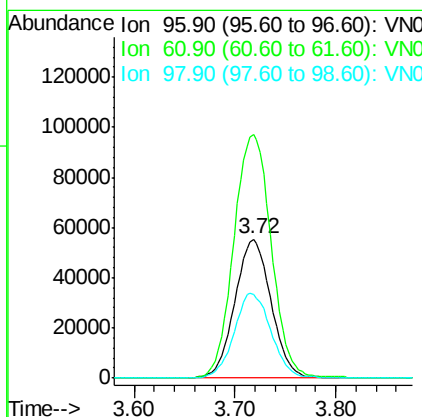
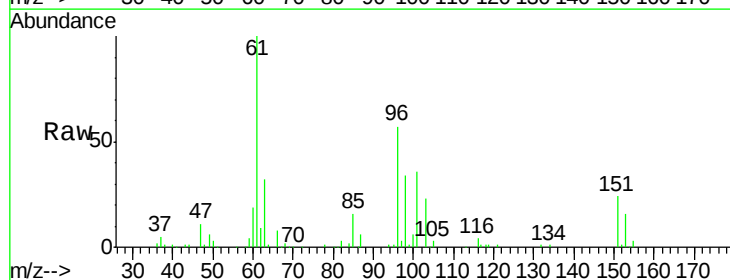
MMDadoda
 9/23/2019 3:30:54 PM



#12

1,1-Dichloroethene
 Concen: 52.206 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	149.5	224.3
98	59.9	52.4	78.6





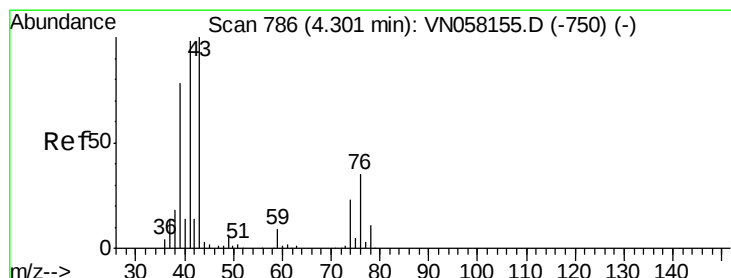
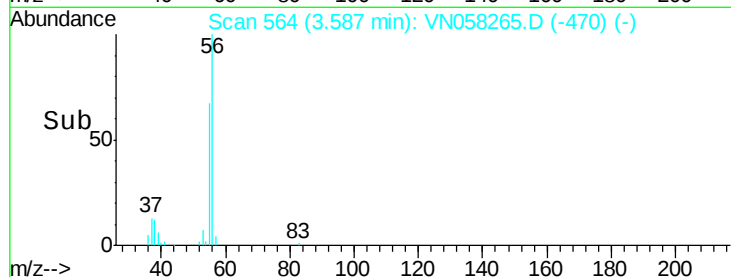
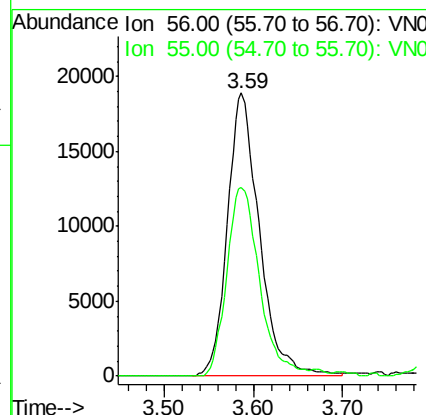
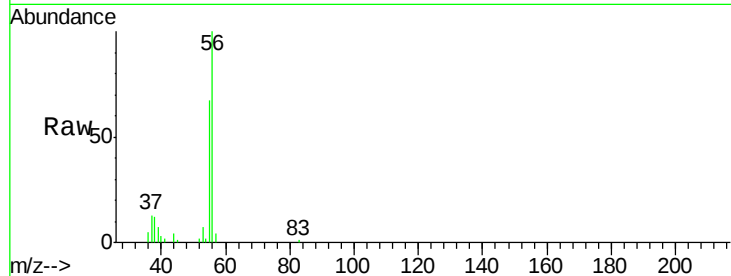
#13
Acrolein
Concen: 442.950 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.0	56.1	84.1

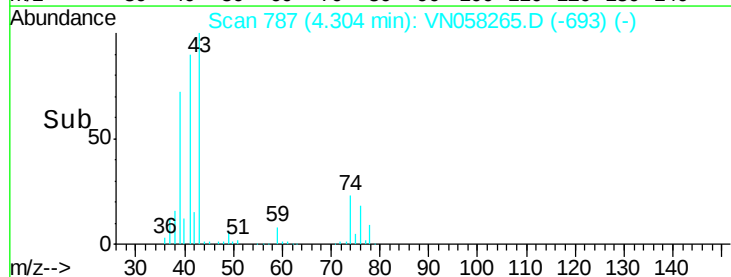
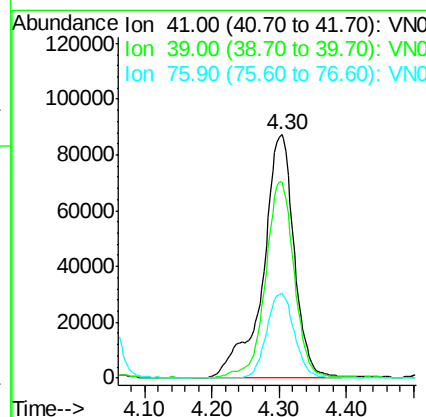
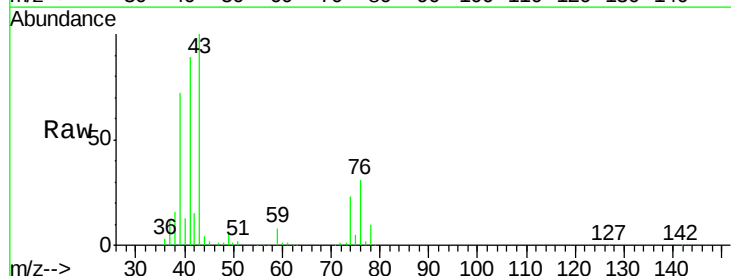
Manual Integrations
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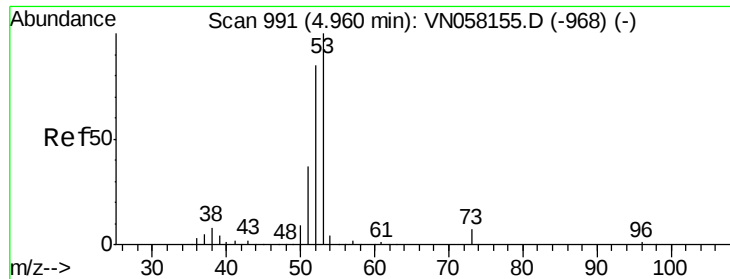
MMDadoda
9/23/2019 3:30:54 PM



#14
Allyl chloride
Concen: 49.345 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.9	59.1	88.7
76	30.7	25.1	37.7





#15

Acrylonitrile

Concen: 286.392 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

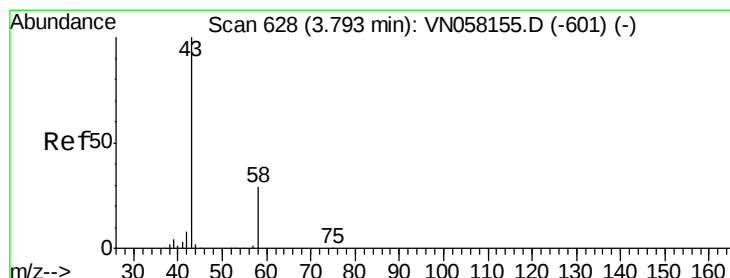
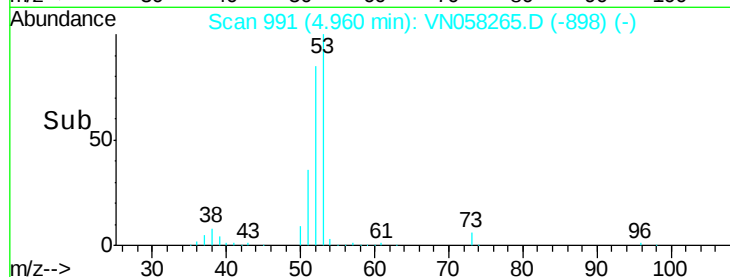
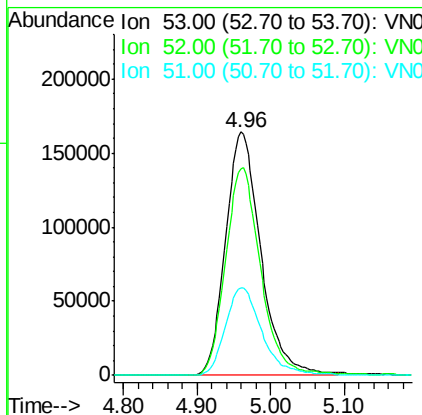
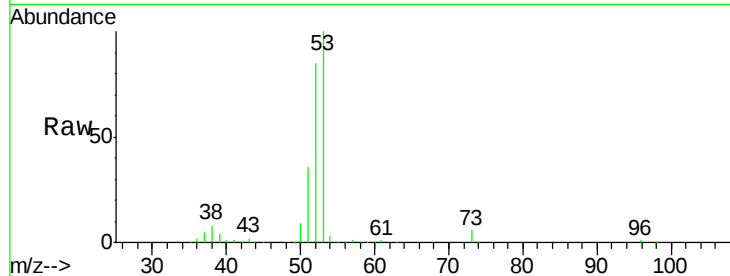
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	53	Resp:	546738
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.6	100.0
51	37.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 240.830 ug/l

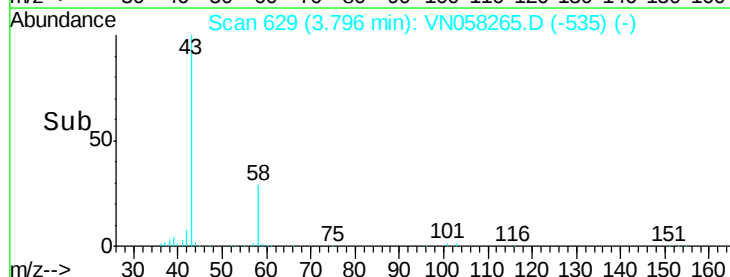
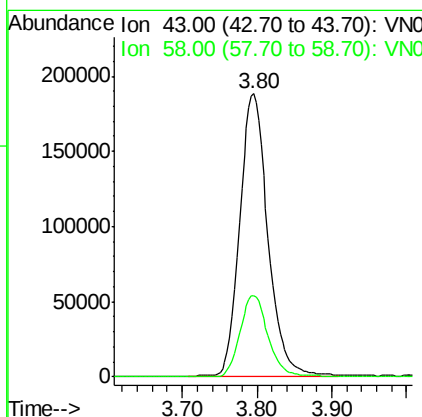
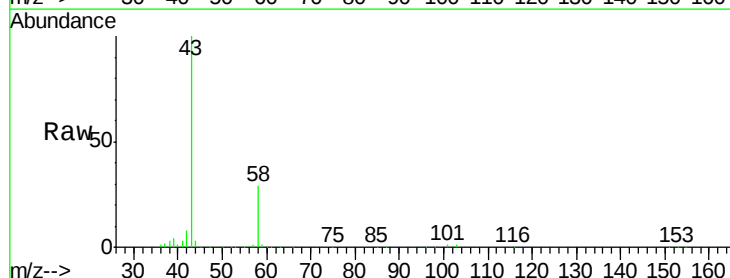
RT: 3.80 min Scan# 629

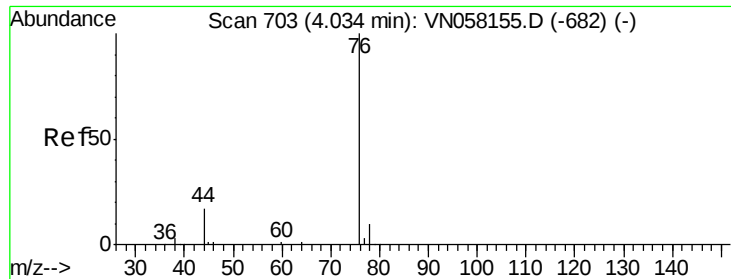
Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	43	Resp:	492424
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.2





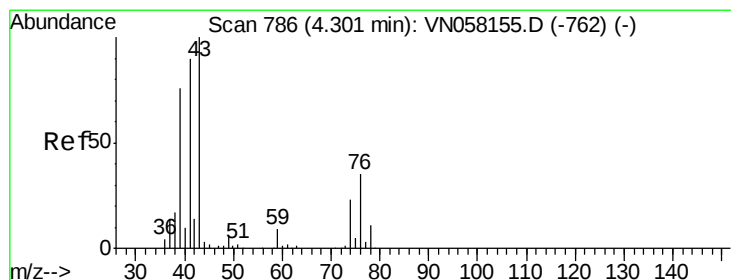
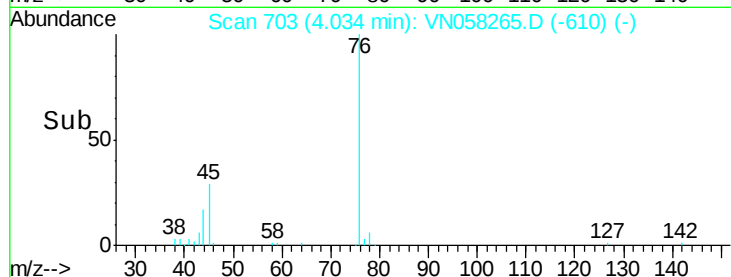
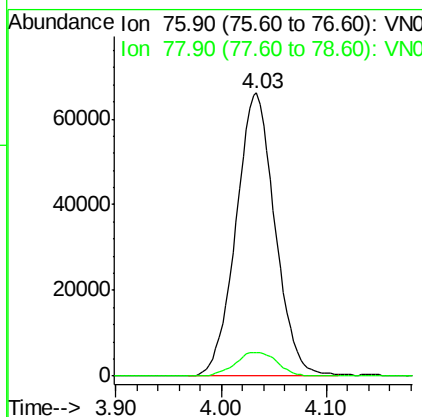
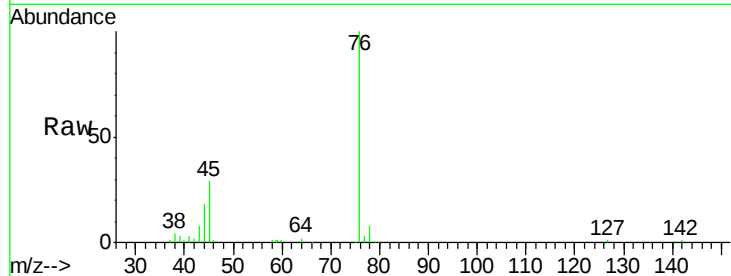
#17
Carbon Disulfide
Concen: 45.418 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampled :
RE132D2-20190916MS

Tot Ion: 76 Resp: 169537
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5

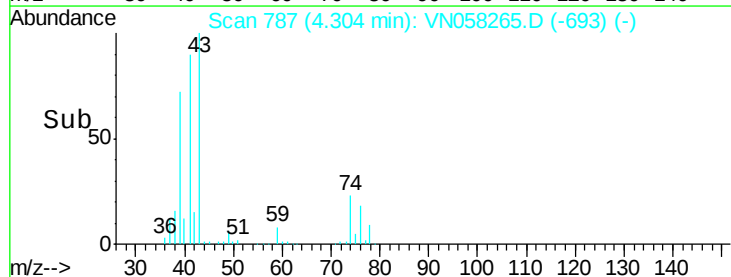
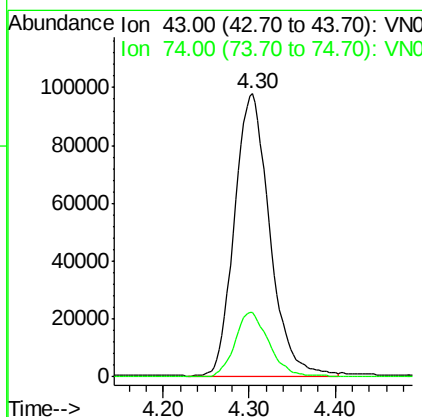
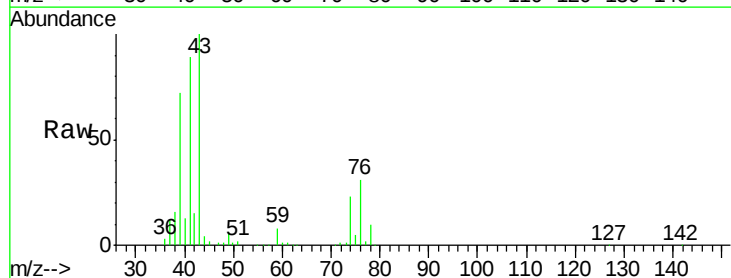
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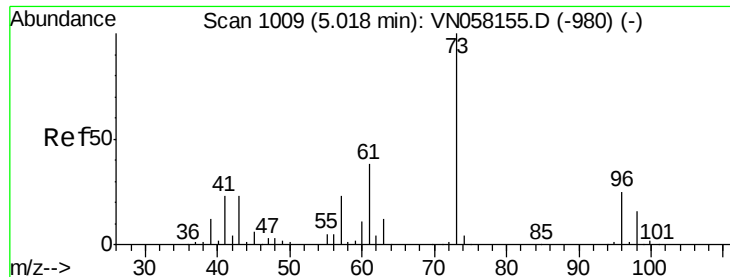
MMDadoda
9/23/2019 3:30:54 PM



#18
Methyl Acetate
Concen: 51.635 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion: 43 Resp: 277808
Ion Ratio Lower Upper
43 100
74 22.1 18.0 27.0





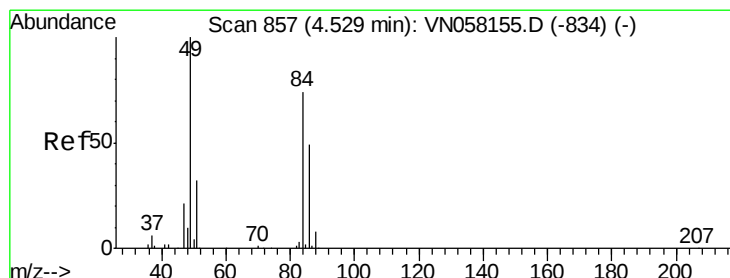
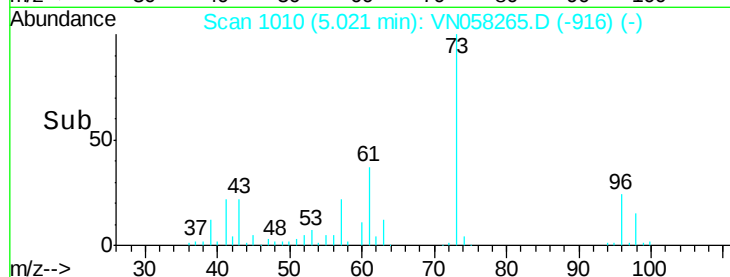
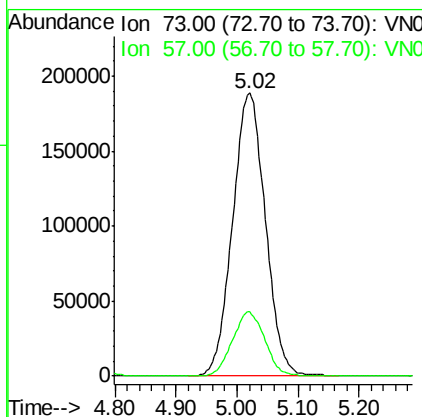
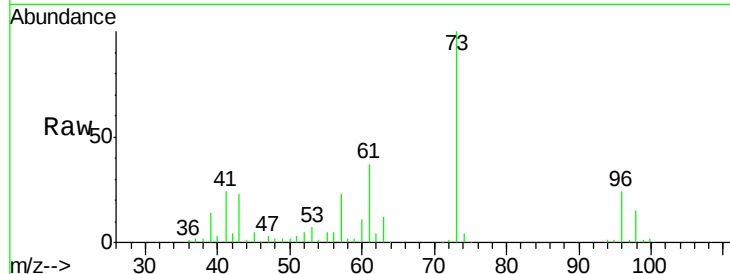
#19
Methvl tert-butvl Ether
Concen: 53.499 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion: 73 Resp: 705506
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

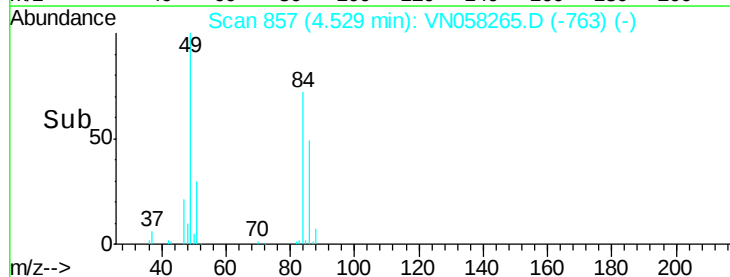
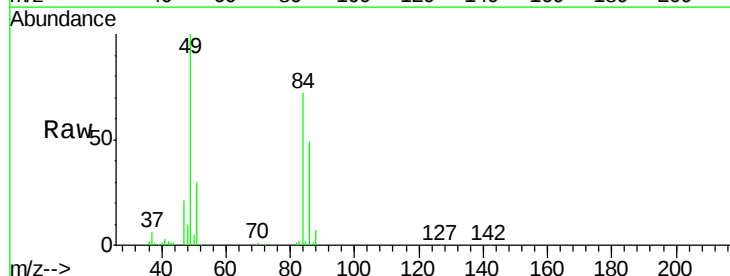
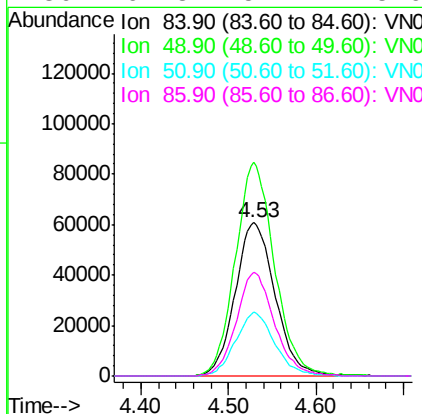
Manual Integrations
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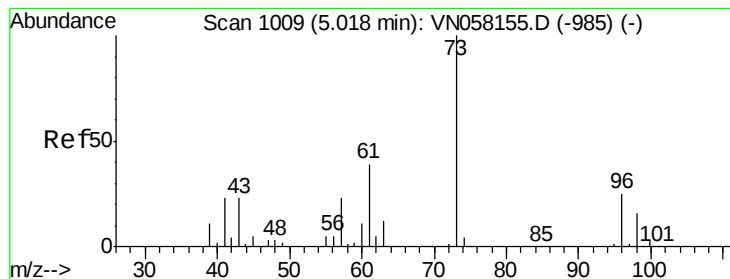
MMDadoda
9/23/2019 3:30:54 PM



#20
Methylene Chloride
Concen: 53.684 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion: 84 Resp: 192122
Ion Ratio Lower Upper
84 100
49 139.6 107.5 161.3
51 41.7 33.9 50.9
86 67.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.949 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 96 Resp: 147286

Ion Ratio Lower Upper

96 100

61 152.8 122.2 183.4

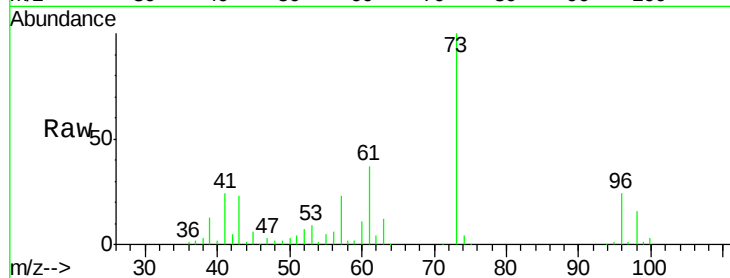
98 63.8 49.9 74.9

Manual Integrations

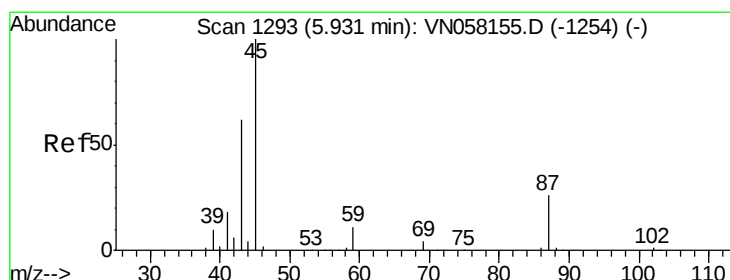
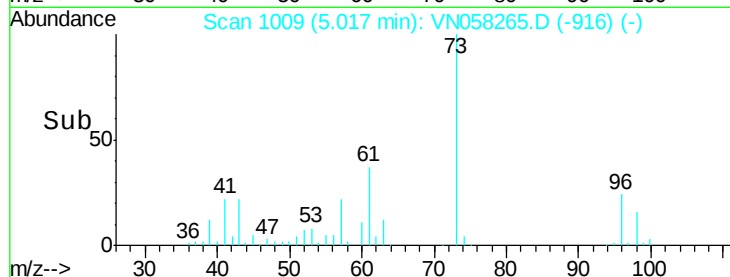
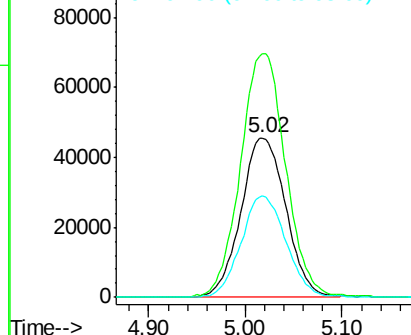
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 53.747 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion: 45 Resp: 781102

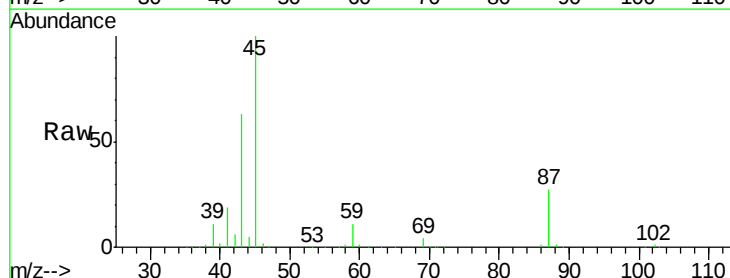
Ion Ratio Lower Upper

45 100

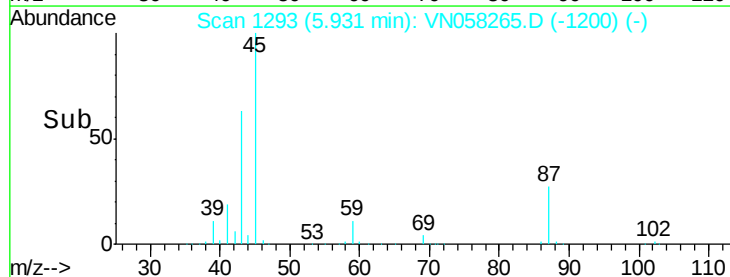
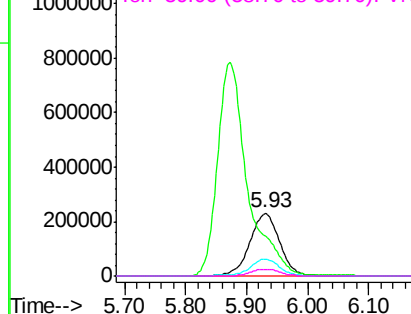
43 62.3 49.7 74.5

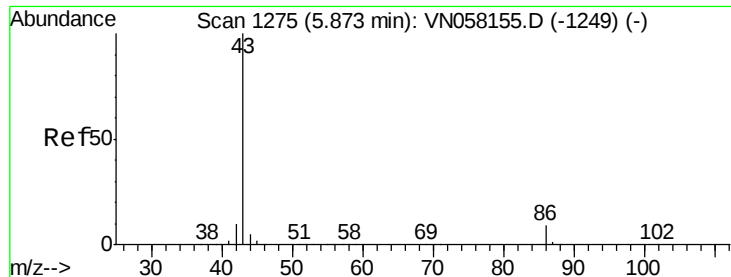
87 26.6 20.7 31.1

59 10.8 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





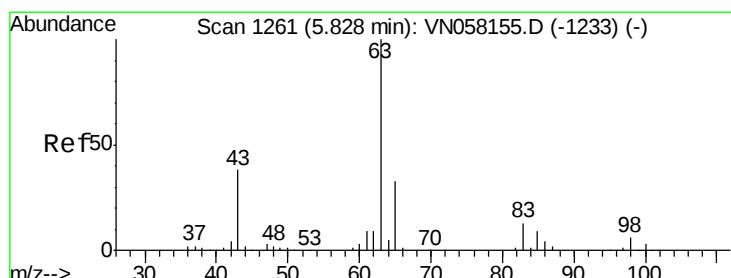
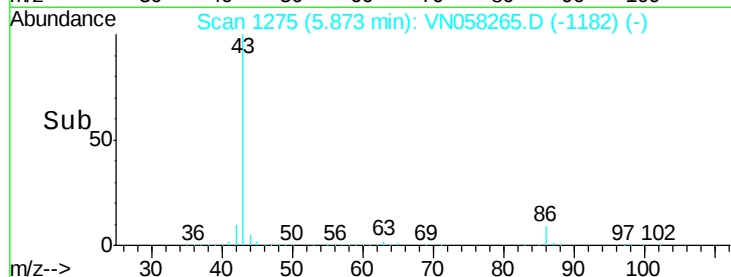
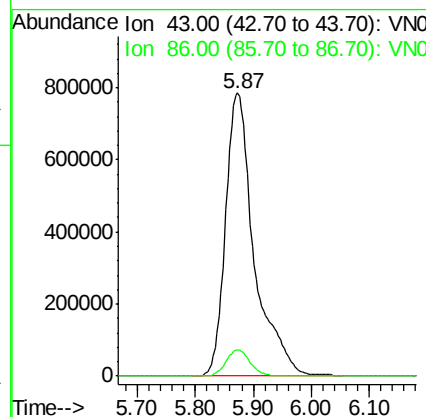
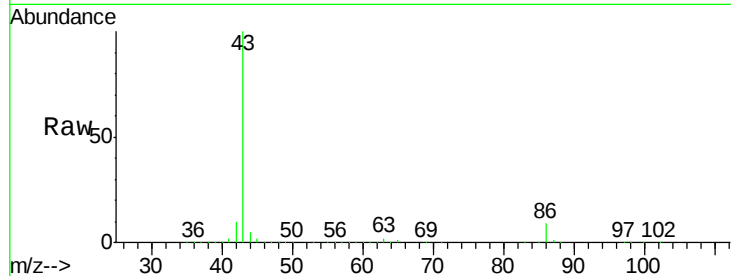
#23
 Vinyl Acetate
 Concen: 270.224 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion: 43 Resp: 2687193
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

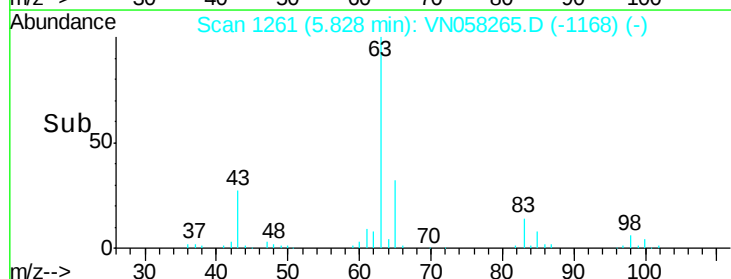
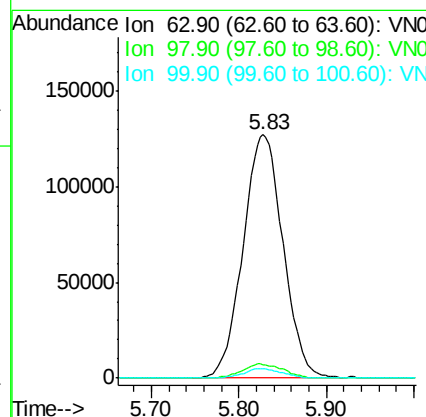
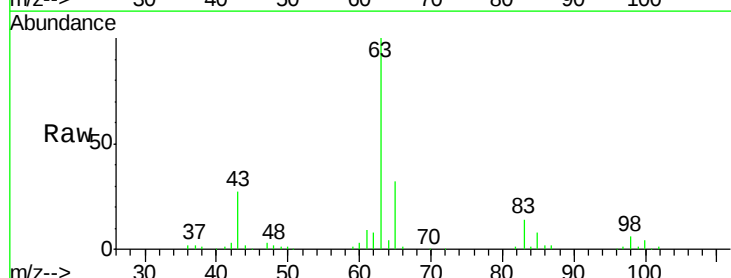
Manual Integrations
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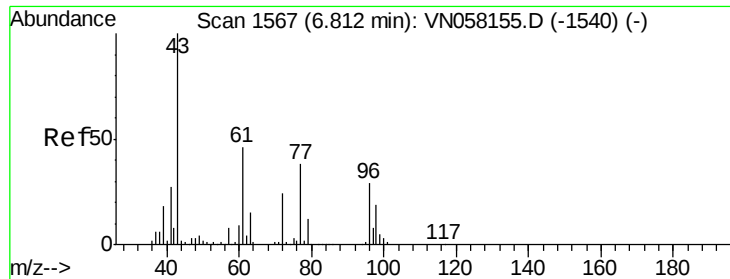
MMDadoda
 9/23/2019 3:30:54 PM



#24
 1,1-Dichloroethane
 Concen: 51.922 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion: 63 Resp: 402737
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.9 8.6
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 275.943 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 43 Resp: 768680

Ion Ratio Lower Upper

43 100

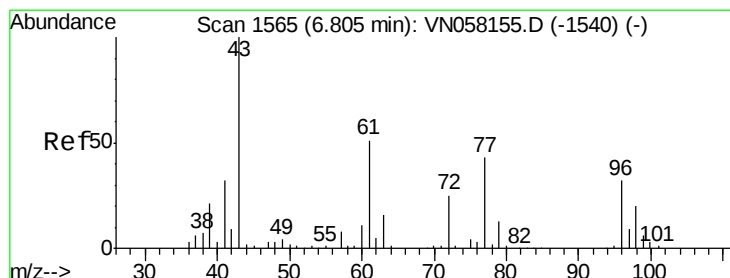
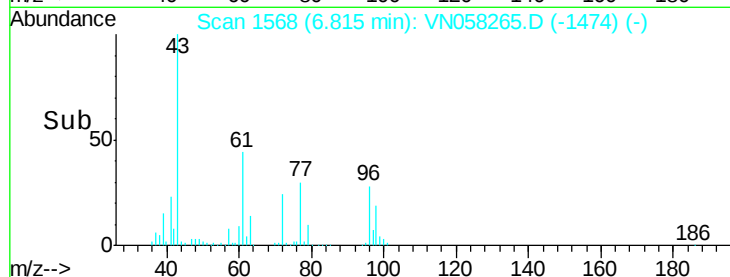
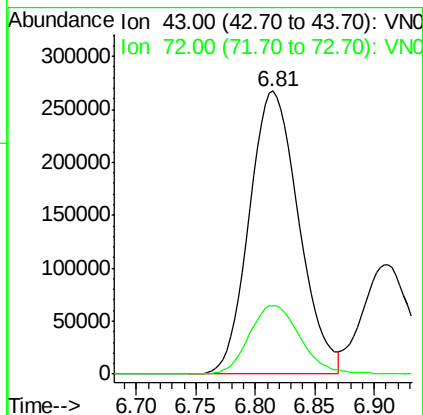
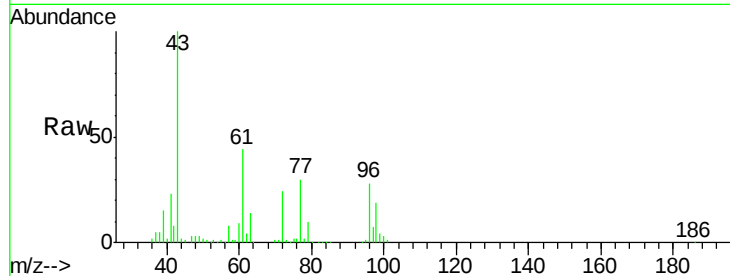
72 24.3 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.855 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058265.D

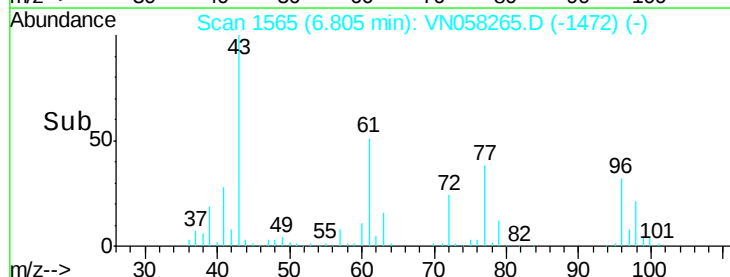
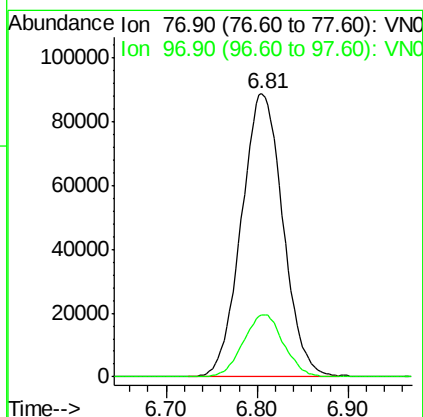
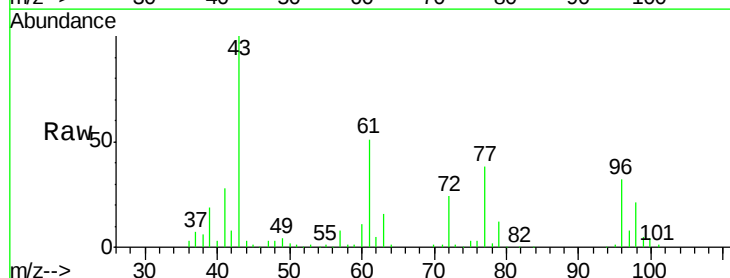
Acq: 20 Sep 2019 20:45

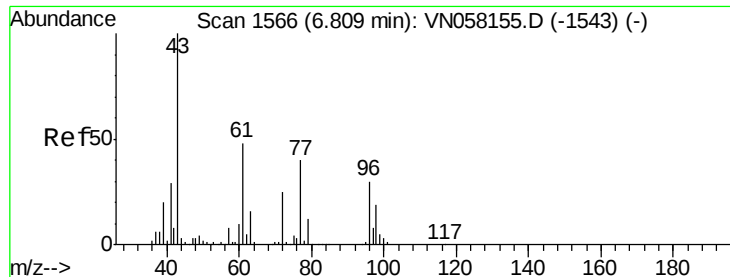
Tgt Ion: 77 Resp: 282006

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 51.559 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

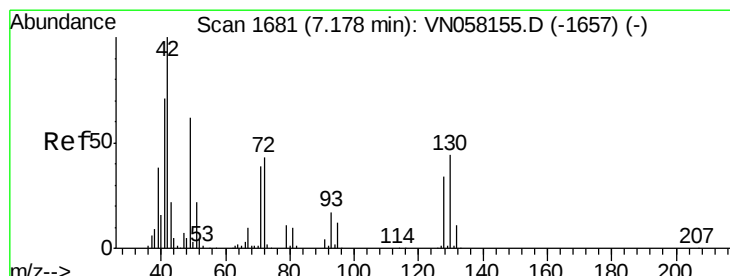
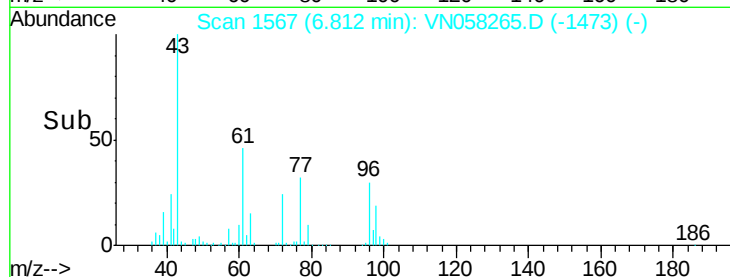
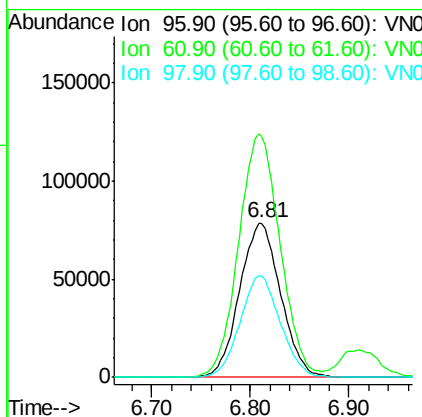
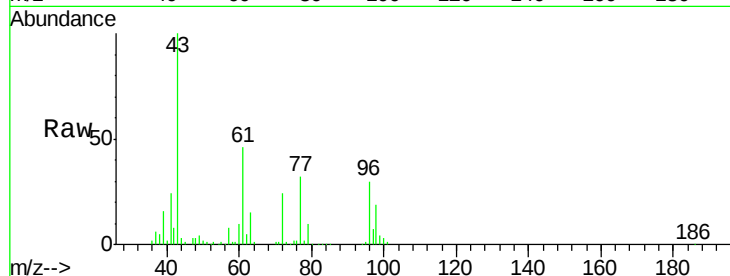
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	96	Resp:	226129
Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	319.0
98	64.7	0.0	126.6

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#28

Bromochloromethane

Concen: 55.533 ug/l

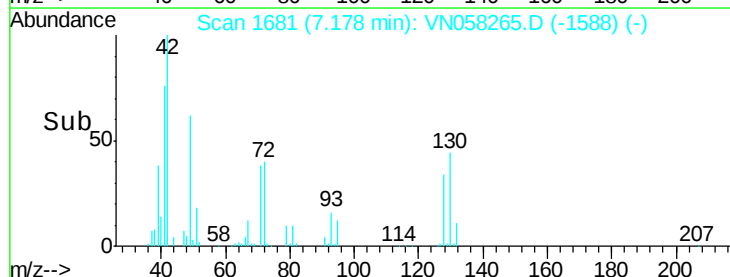
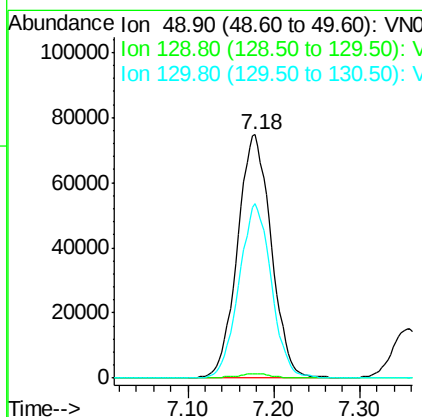
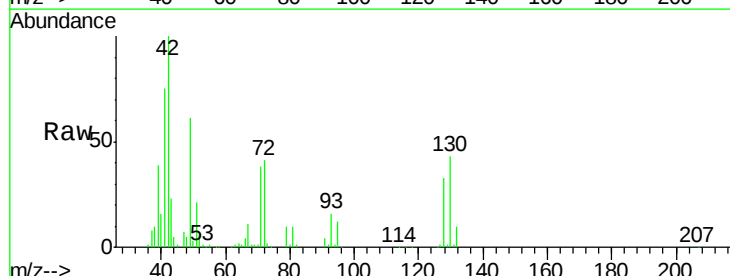
RT: 7.18 min Scan# 1681

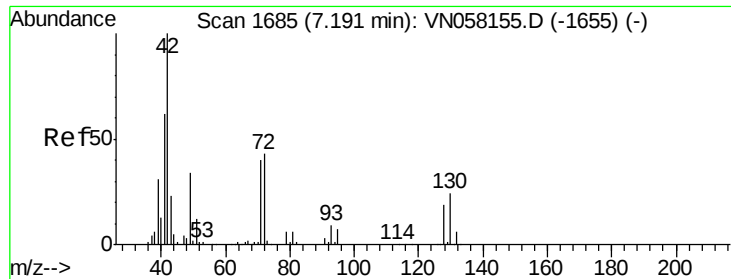
Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	49	Resp:	203769
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8#
130	68.8	55.4	83.2





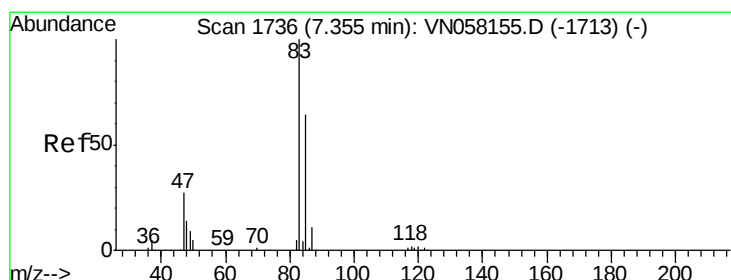
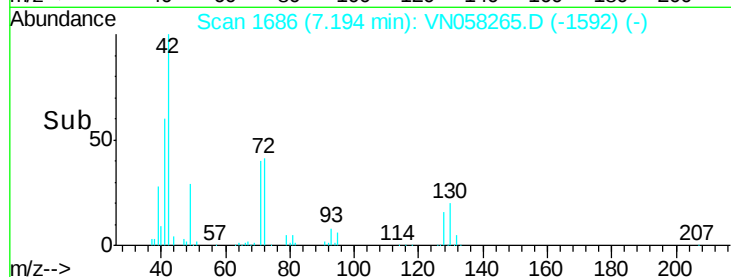
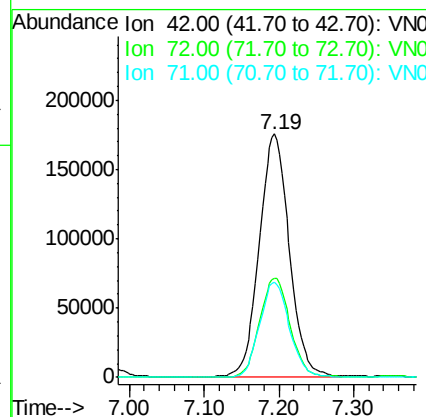
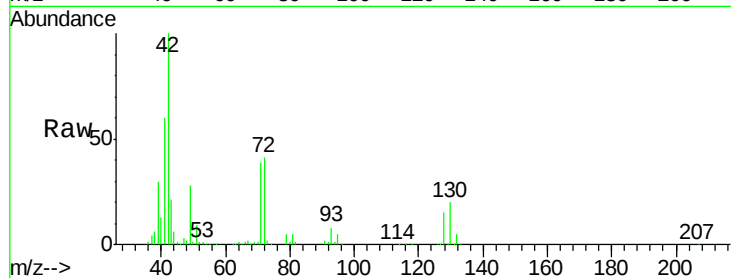
#29
Tetrahydrofuran
Concen: 286.358 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	39.2	31.4	47.0

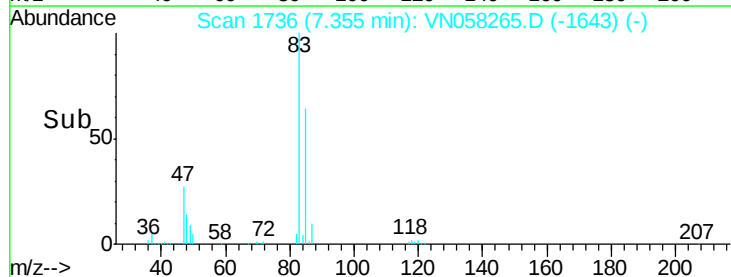
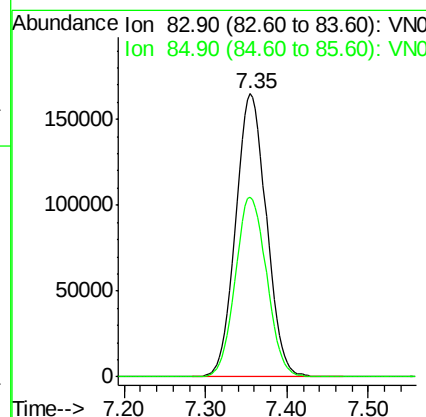
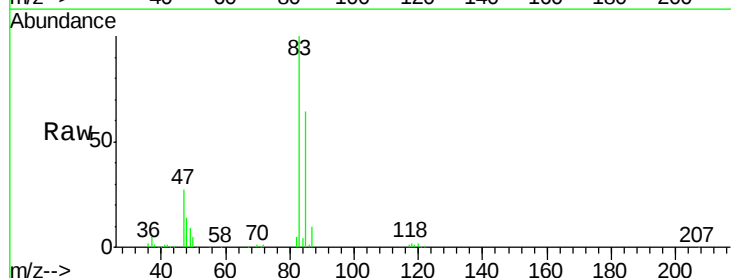
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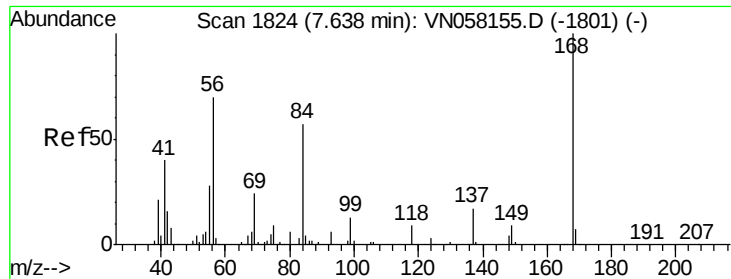
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#30
Chloroform
Concen: 51.965 ug/l
RT: 7.35 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





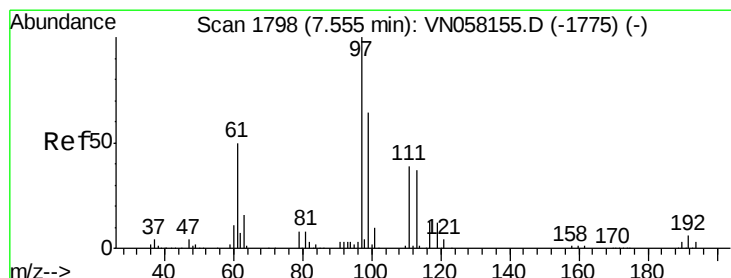
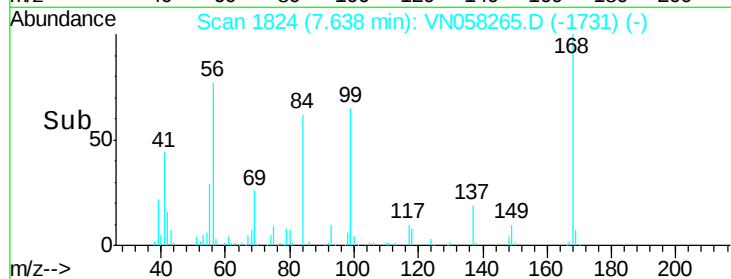
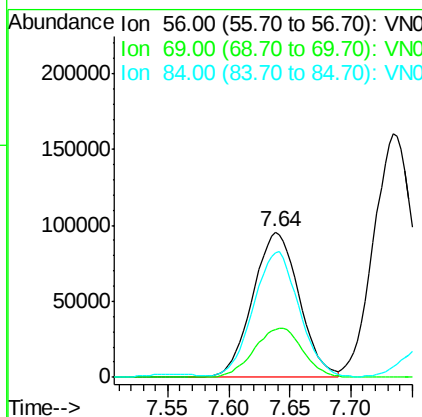
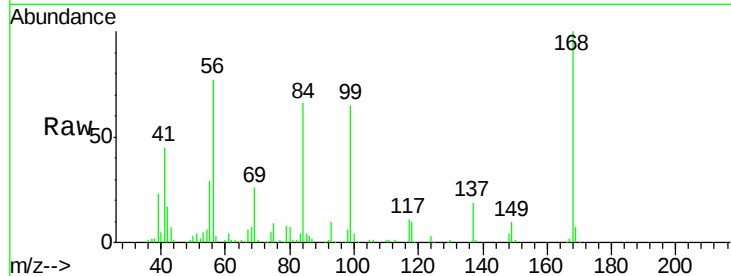
#31
Cyclohexane
Concen: 50.532 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.3	40.9
84	84.2	65.0	97.4

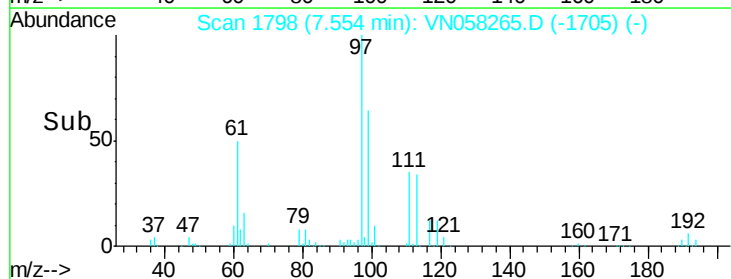
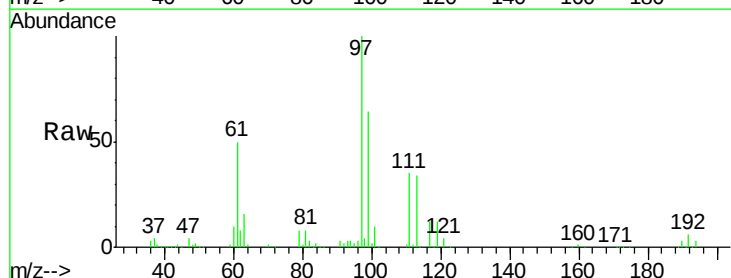
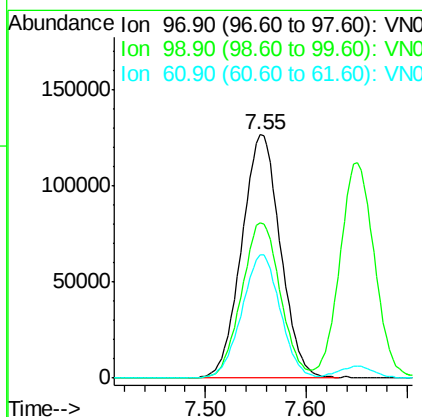
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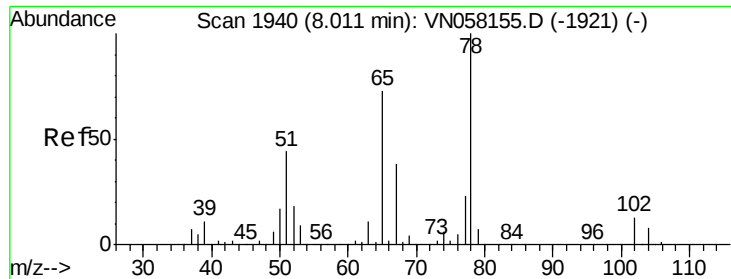
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#32
1,1,1-Trichloroethane
Concen: 52.948 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.9	76.3
61	50.3	39.2	58.8





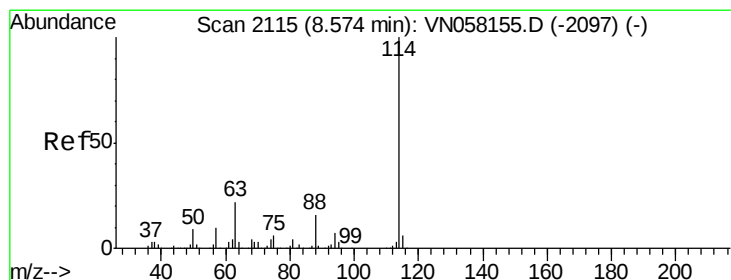
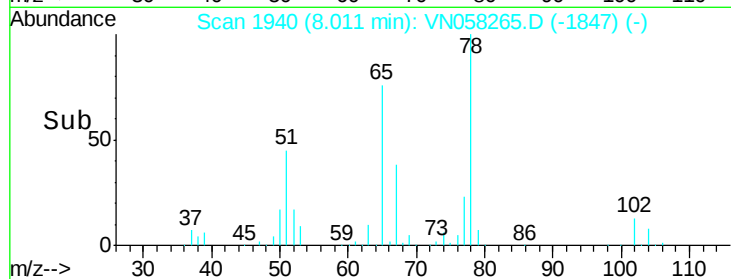
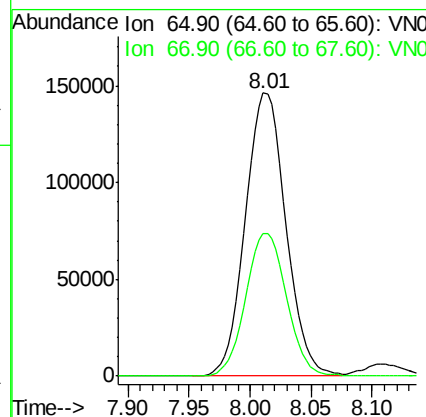
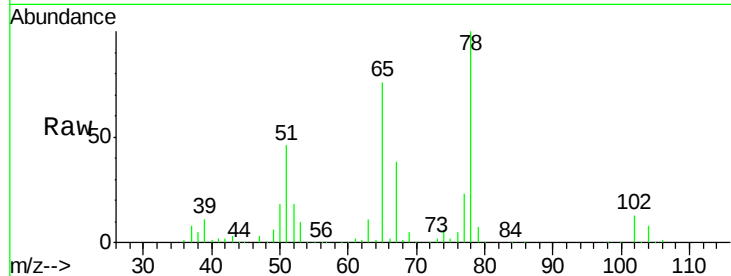
#33
 1,2-Dichloroethane-d4
 Concen: 55.836 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	336339		
67	50.9	0.0	103.4	

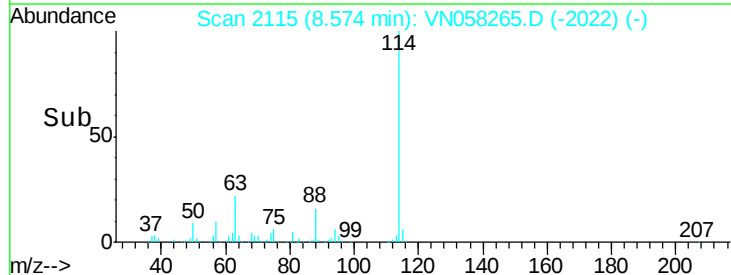
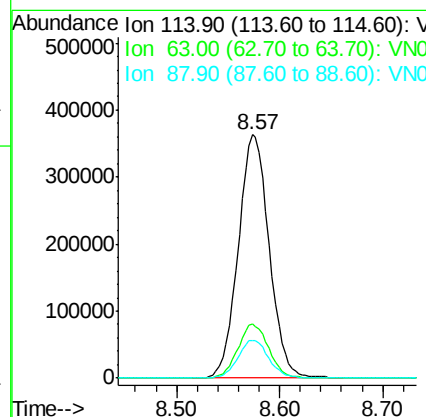
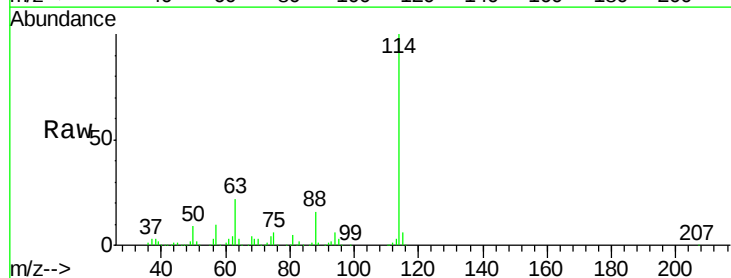
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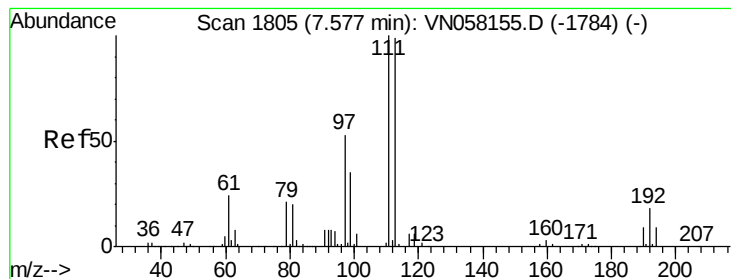
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	758185		
63	22.1	0.0	44.2	
88	15.6	0.0	31.6	





#35

Dibromofluoromethane

Concen: 52.859 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

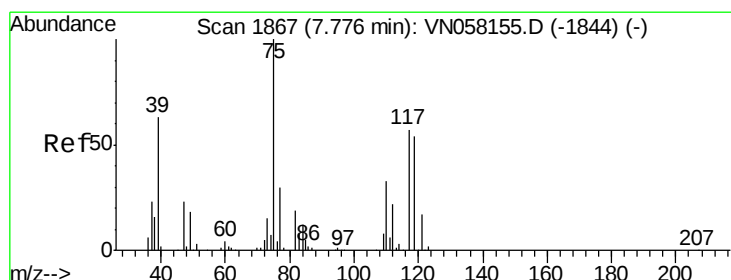
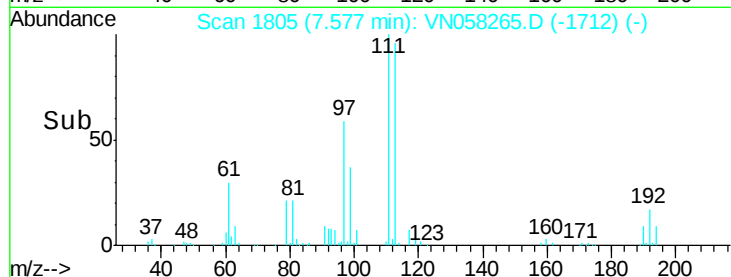
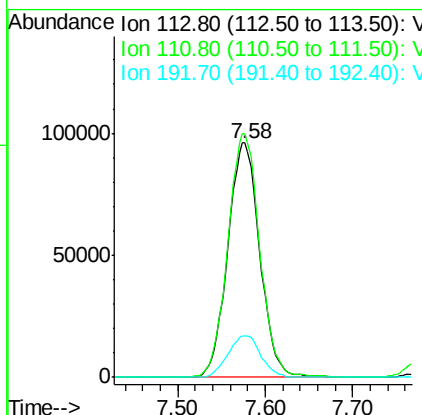
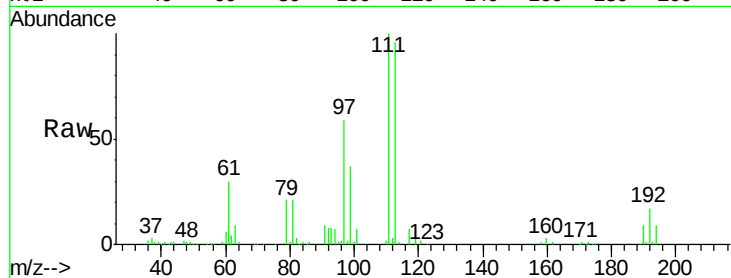
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	113	Resp:	243634
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.8	122.6
192	18.2	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 45.966 ug/l

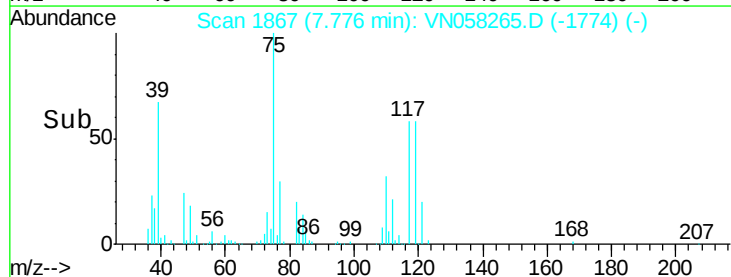
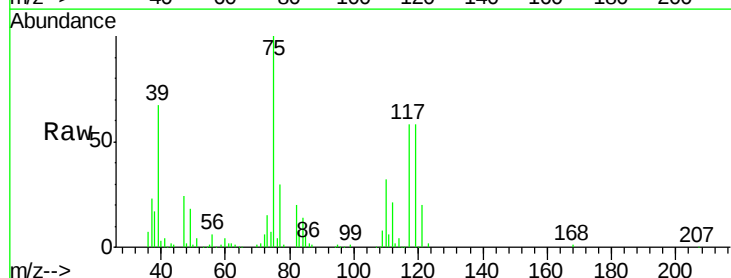
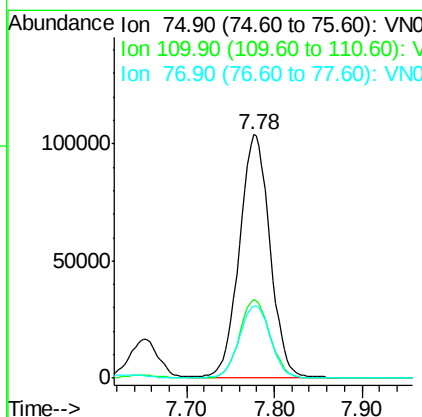
RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	75	Resp:	251325
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.6	49.7
77	30.7	24.3	36.5





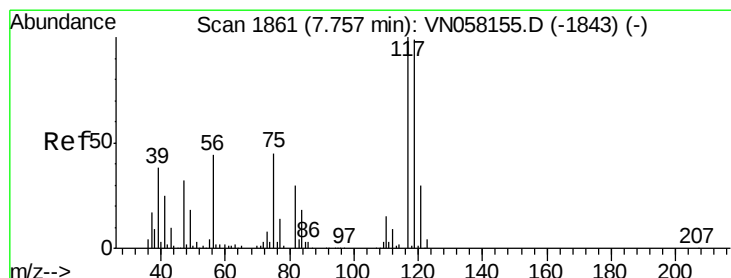
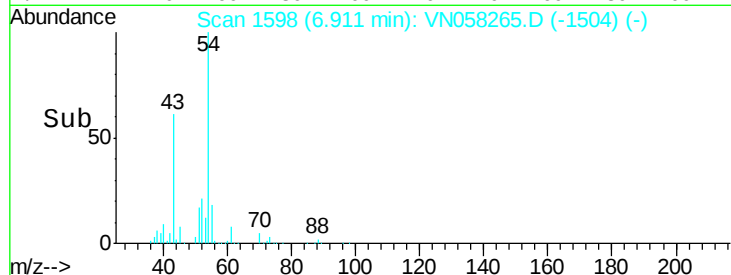
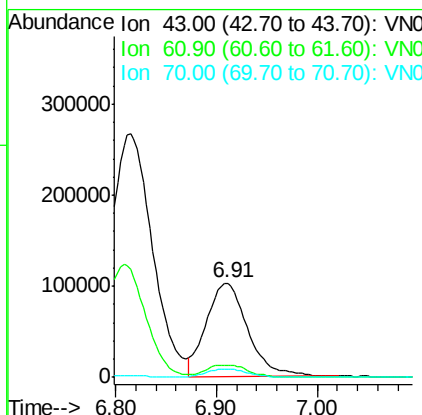
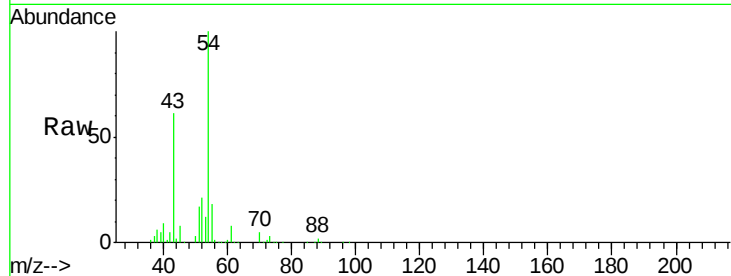
#37
Ethyl Acetate
Concen: 51.518 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	292327		
61	13.1	10.7	16.1	
70	9.1	7.6	11.4	

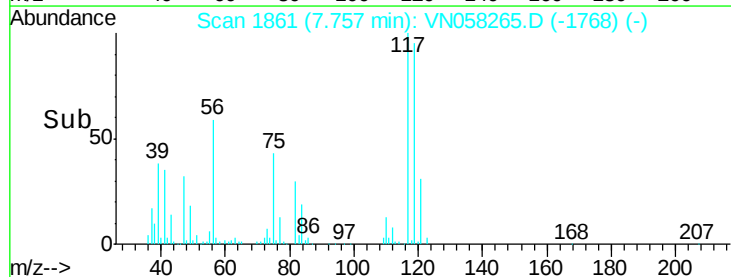
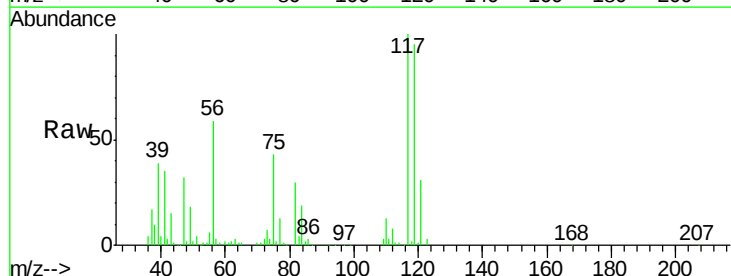
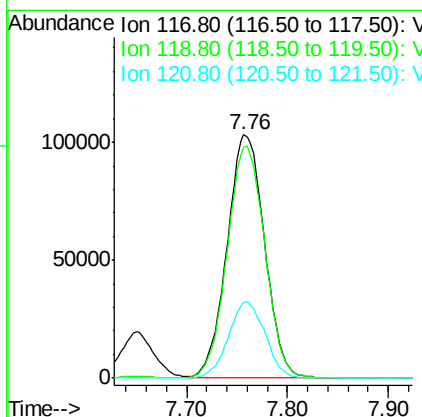
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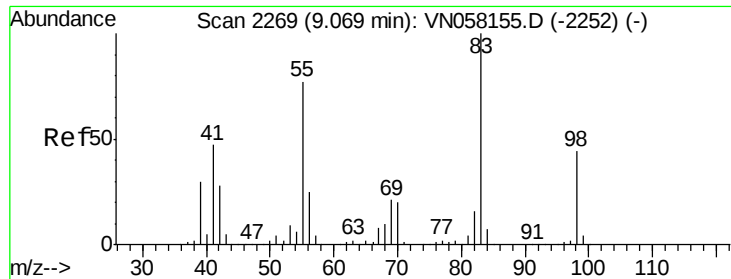
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#38
Carbon Tetrachloride
Concen: 48.553 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266859		
119	94.7	78.6	117.8	
121	30.9	24.1	36.1	





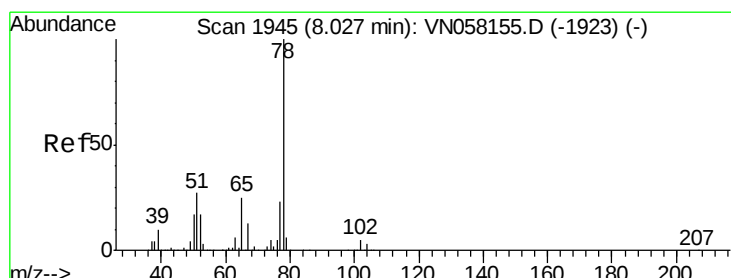
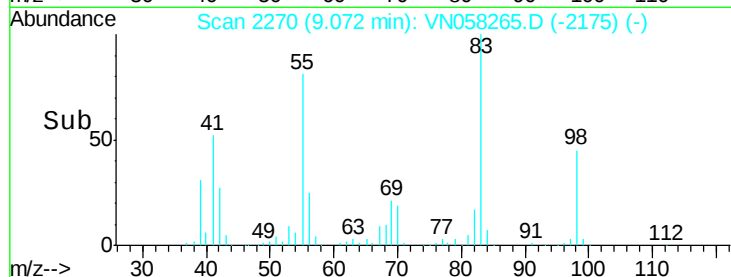
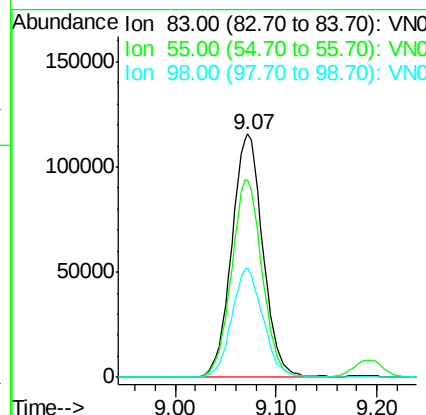
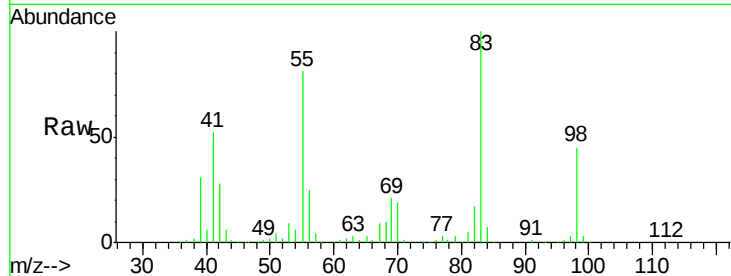
#39
Methvlcvclohexane
Concen: 47.017 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248535		
55	80.9		61.9	92.9
98	45.1		35.4	53.2

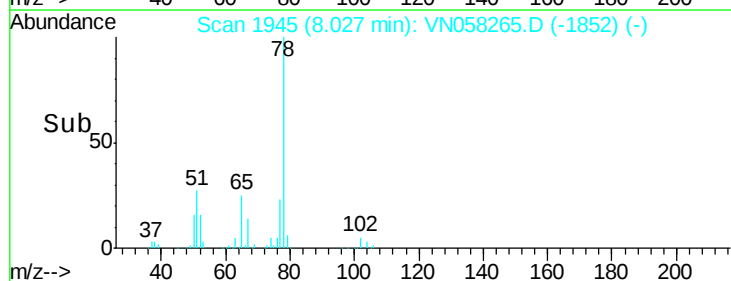
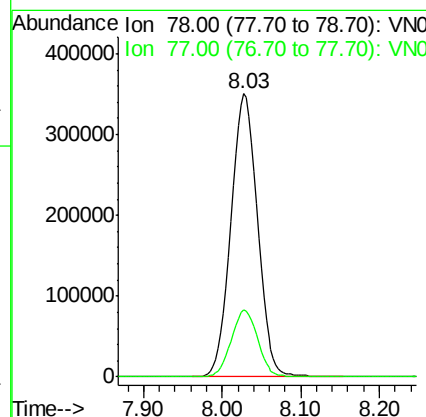
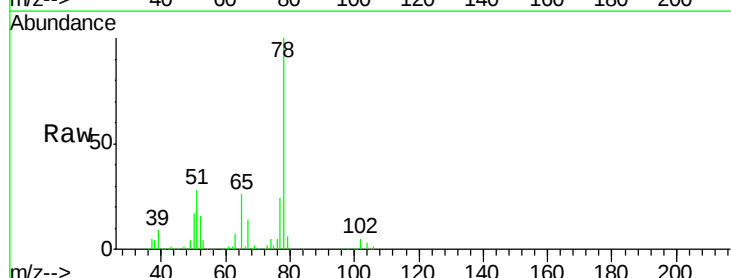
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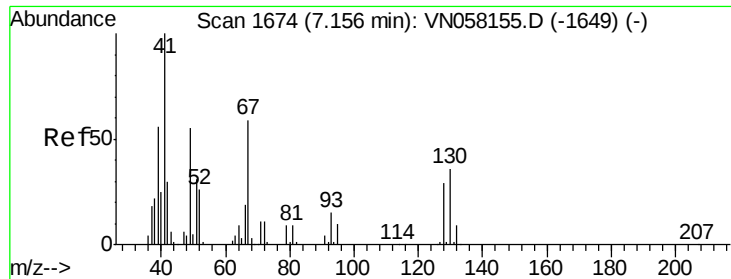
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#40
Benzene
Concen: 49.233 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	822198		
77	23.6		18.8	28.2





#41

Methacrylonitrile

Concen: 53.112 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 41 Resp: 151987

Ion Ratio Lower Upper

41 100

39 40.9 0.0 0.0#

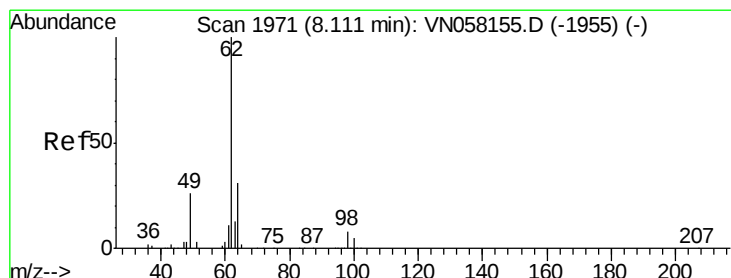
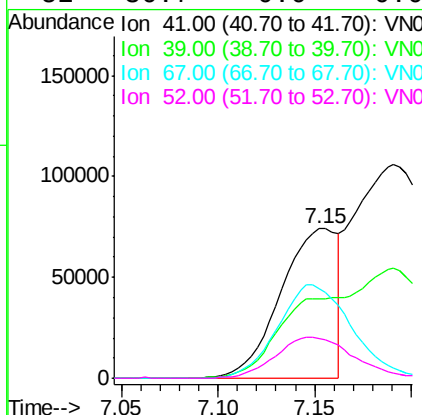
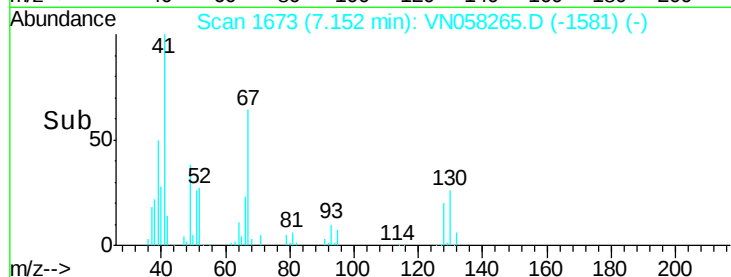
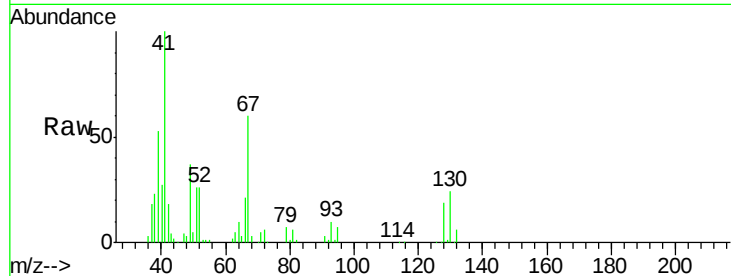
67 81.9 0.0 0.0#

52 36.7 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 49.822 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058265.D

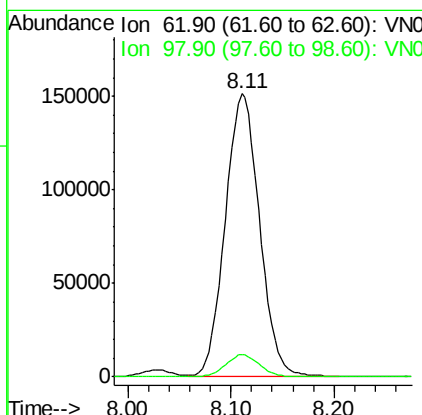
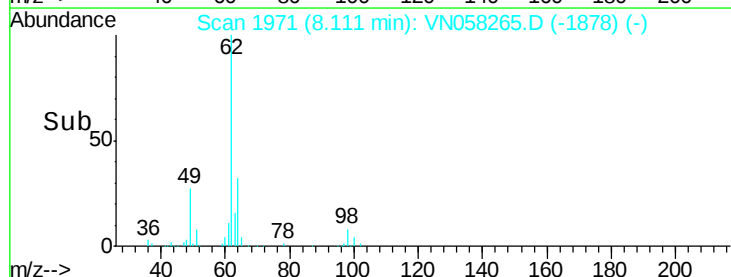
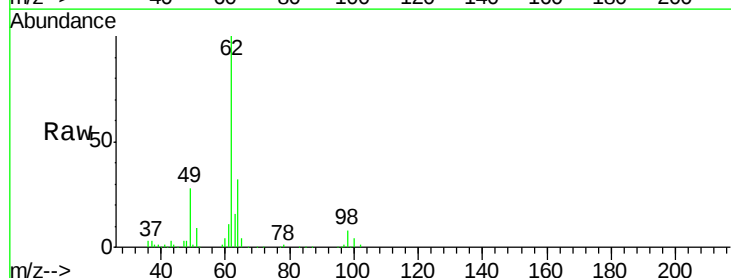
Acq: 20 Sep 2019 20:45

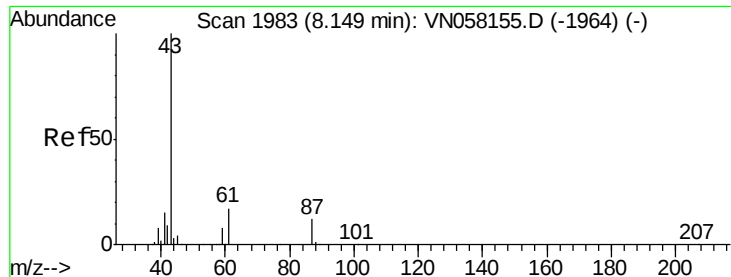
Tgt Ion: 62 Resp: 349128

Ion Ratio Lower Upper

62 100

98 7.8 0.0 15.6





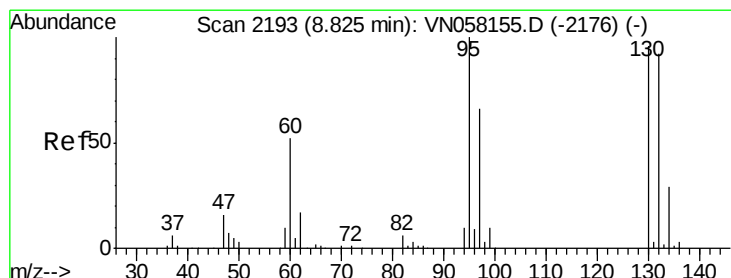
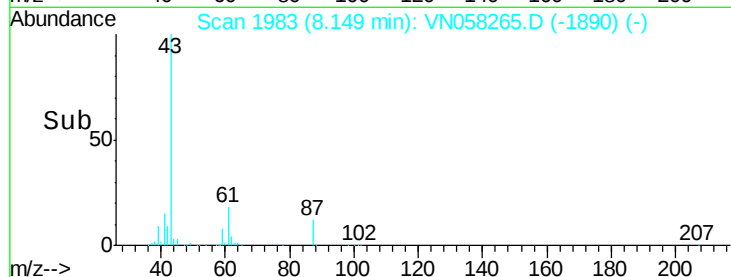
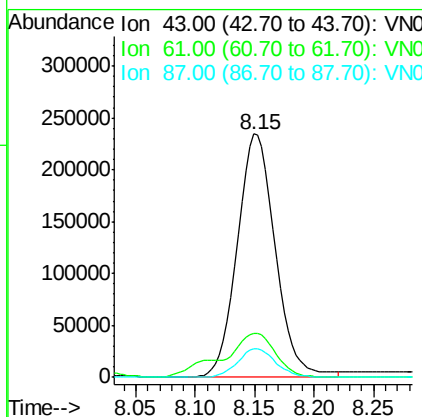
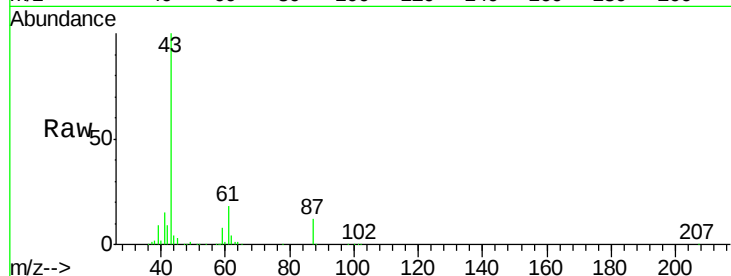
#43
Isopropyl Acetate
Concen: 48.726 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.7	29.5#
87	11.8	9.4	14.2

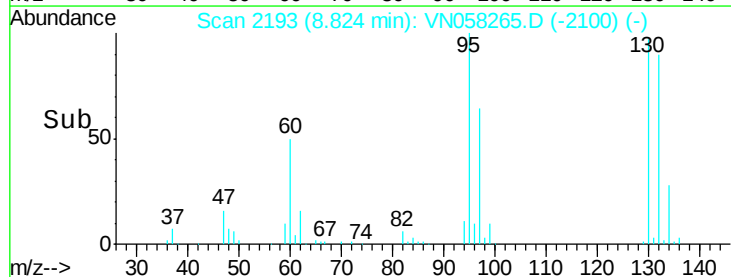
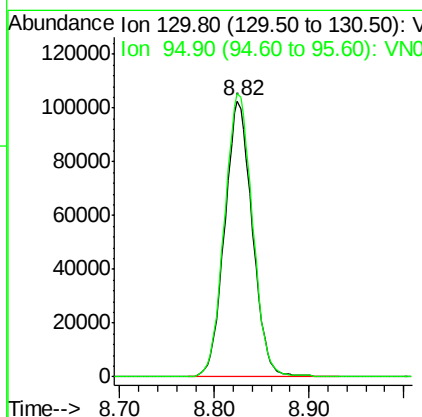
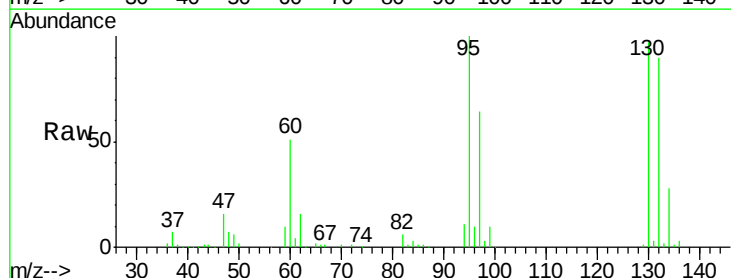
Manual Integrations
APPROVED

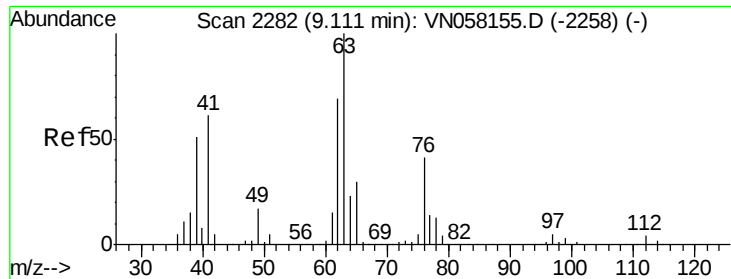
MMDadoda
9/23/2019 3:30:54 PM



#44
Trichloroethene
Concen: 50.935 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	207.8





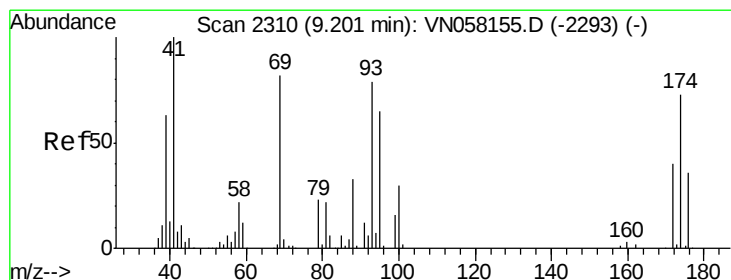
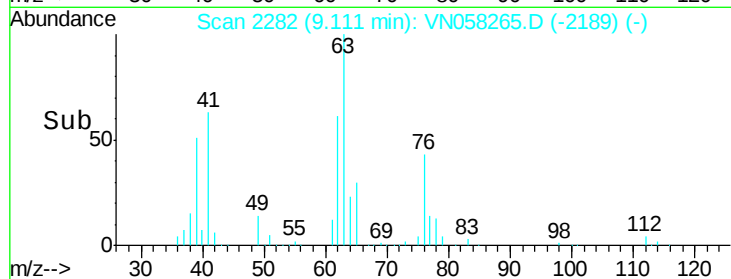
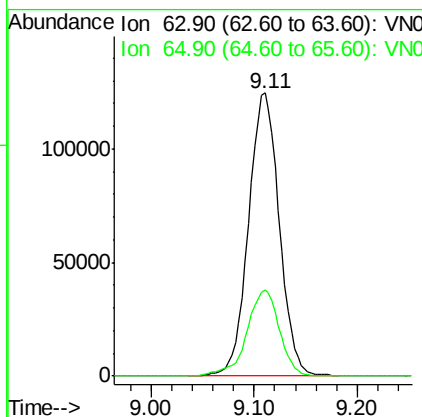
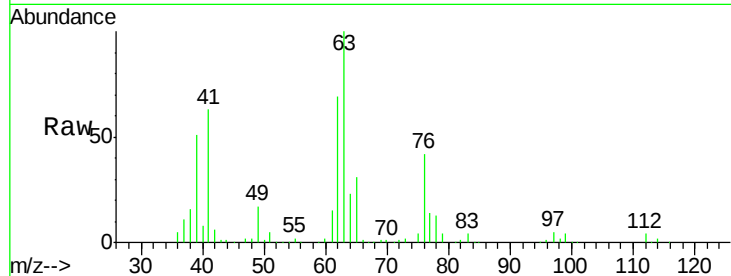
#45
 1,2-Dichloropropane
 Concen: 51.705 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion: 63 Resp: 257869
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.8 35.6

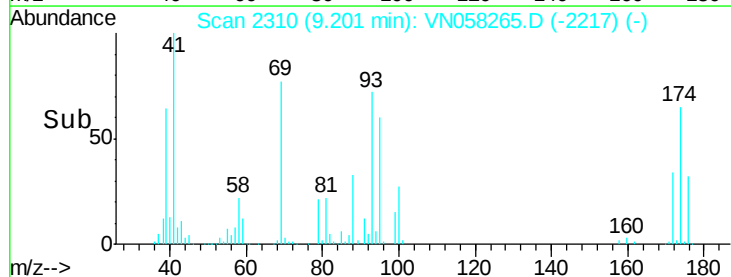
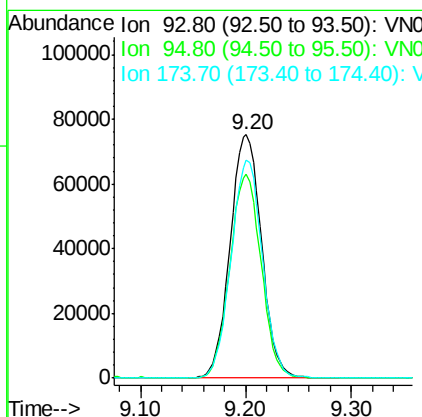
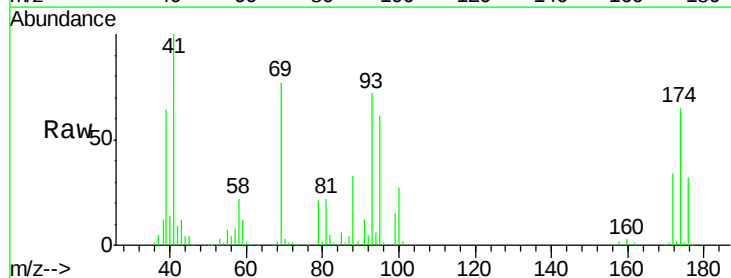
Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:54 PM



#46
 Dibromomethane
 Concen: 51.184 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion: 93 Resp: 155199
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 89.5 73.8 110.8





#47

Bromodichloromethane

Concen: 52.738 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

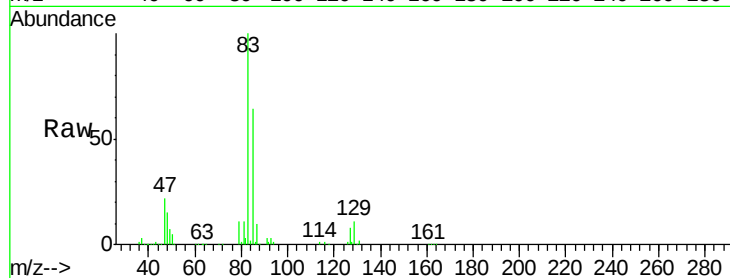
ClientSampleId :

RE132D2-20190916MS

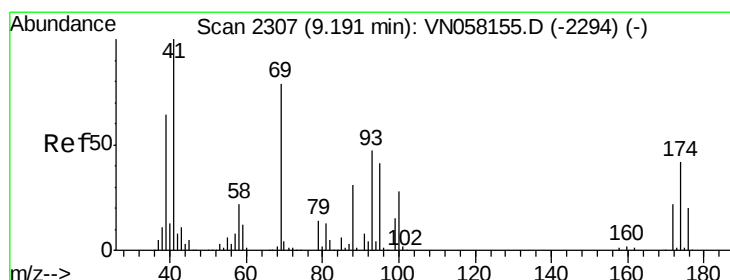
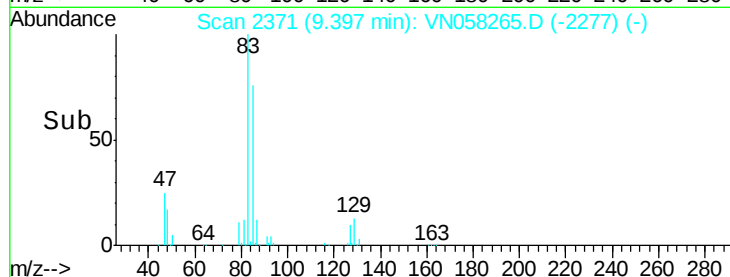
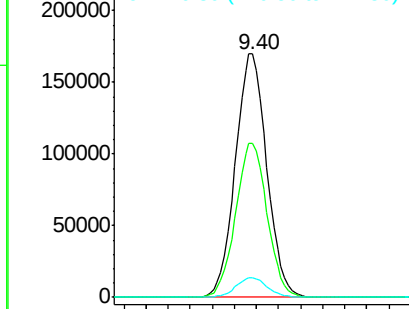
Tot Ion:	83	Resp:	335008
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.1	75.1
127	8.2	6.4	9.6

Manual Integrations
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MMDadoda
9/23/2019 3:30:54 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.176 ug/l

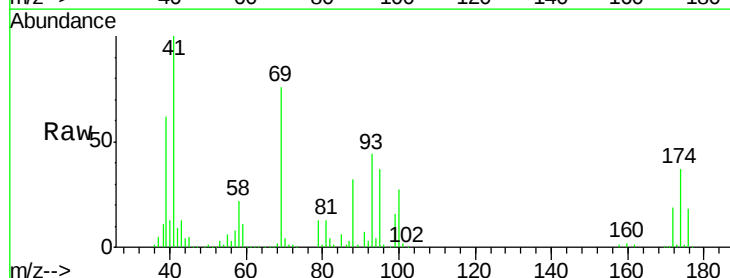
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

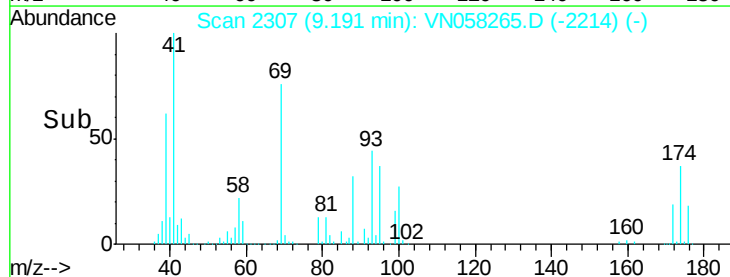
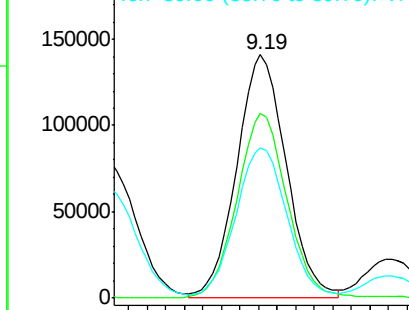
Lab File: VN058265.D

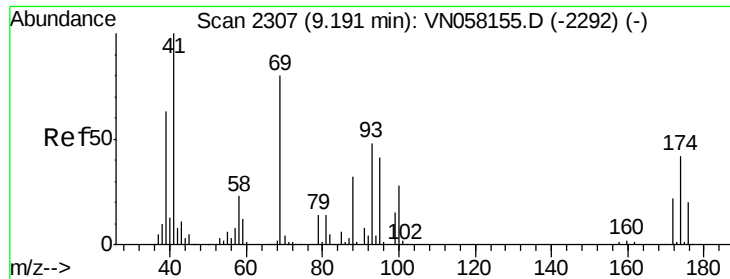
Acq: 20 Sep 2019 20:45

Tgt Ion:	41	Resp:	260670
Ion Ratio	Lower	Upper	
41	100		
69	77.0	62.5	93.7
39	64.0	52.3	78.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





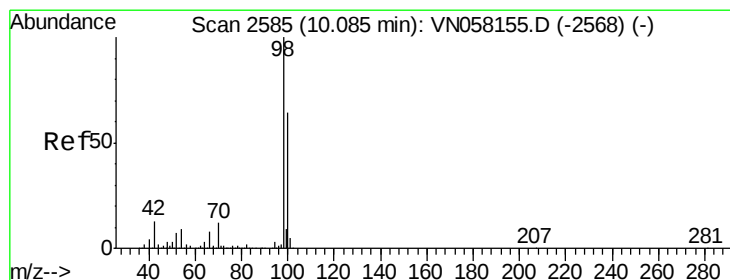
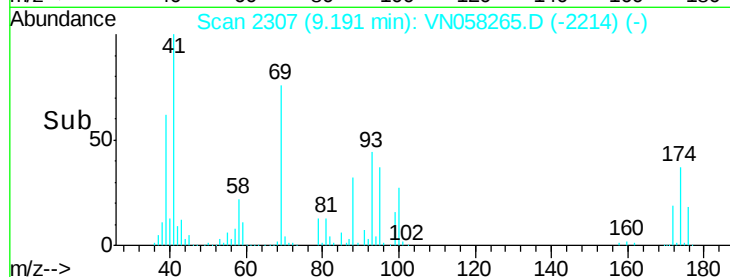
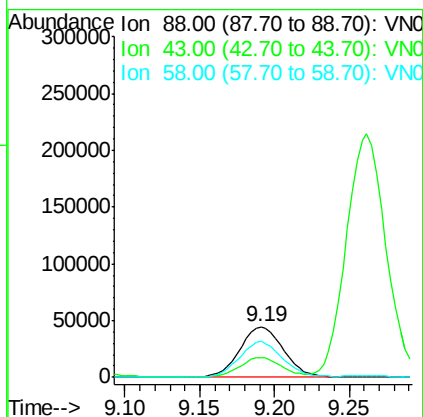
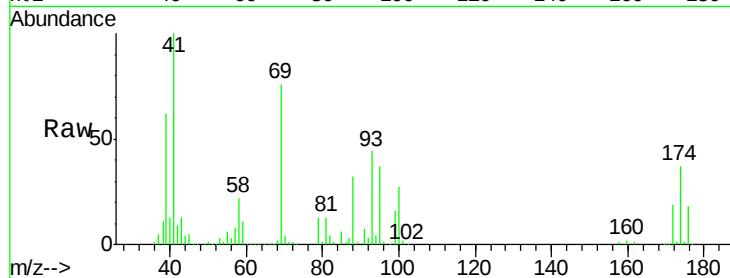
#49
1,4-Dioxane
Concen: 1143.702 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	88	Resp	90349
Ion Ratio	100	Lower	Upper
43	35.5	27.8	41.8
58	70.0	55.0	82.4

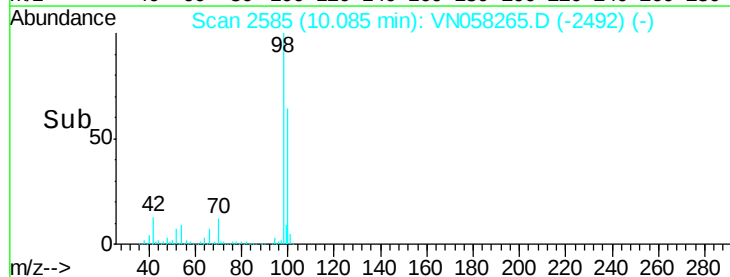
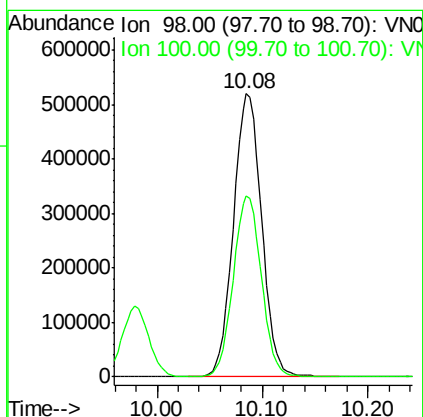
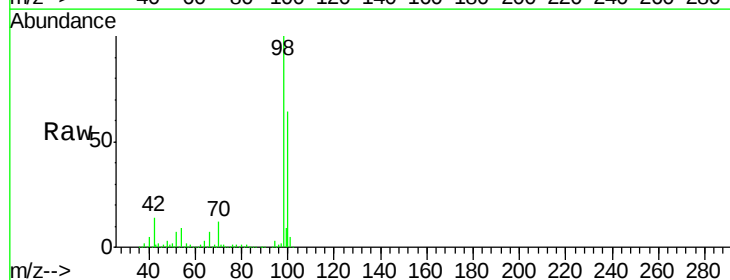
Manual Integrations
APPROVED

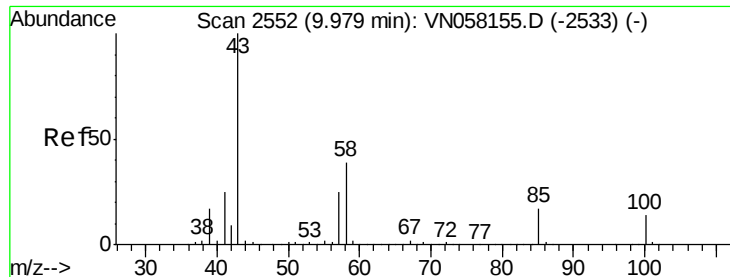
MMDadoda
9/23/2019 3:30:54 PM



#50
Toluene-d8
Concen: 53.634 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	98	Resp	963169
Ion Ratio	100	Lower	Upper
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 303.387 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 43 Resp: 1707693

Ion Ratio Lower Upper

43 100

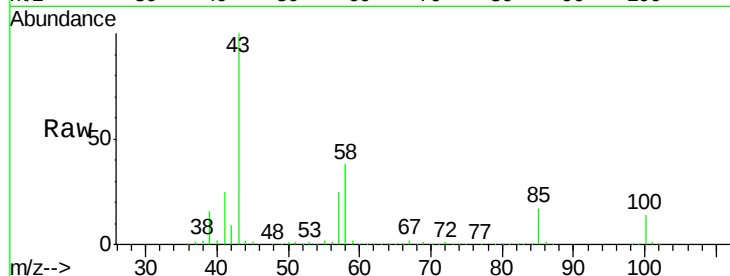
58 37.5 30.2 45.4

Manual Integrations

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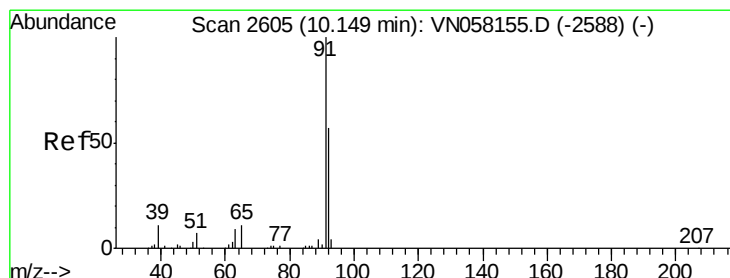
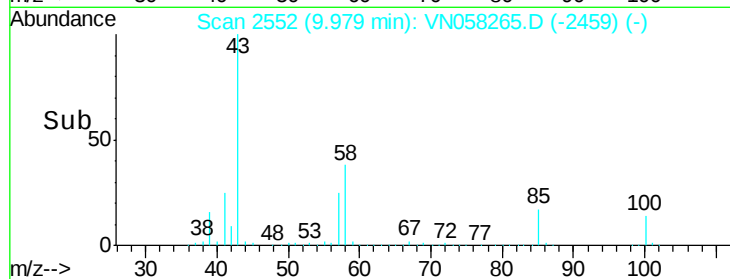
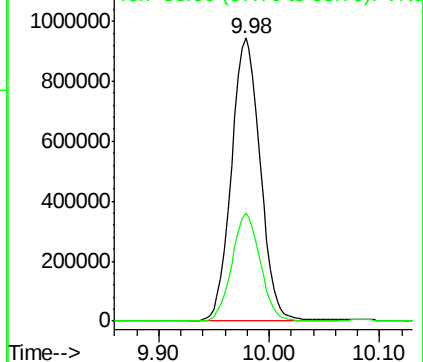
MMDadoda

9/23/2019 3:30:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.004 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058265.D

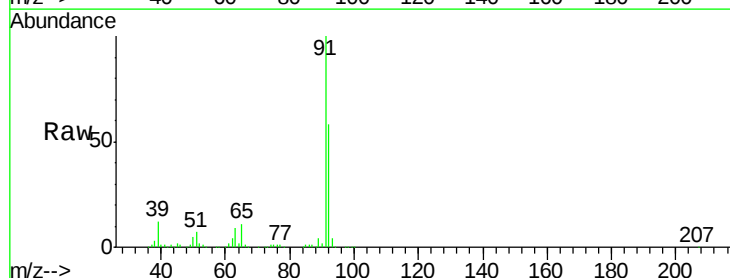
Acq: 20 Sep 2019 20:45

Tgt Ion: 92 Resp: 523349

Ion Ratio Lower Upper

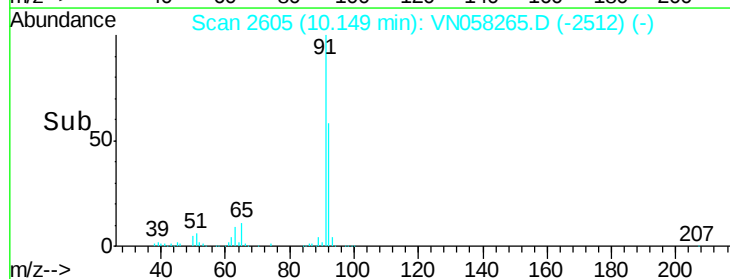
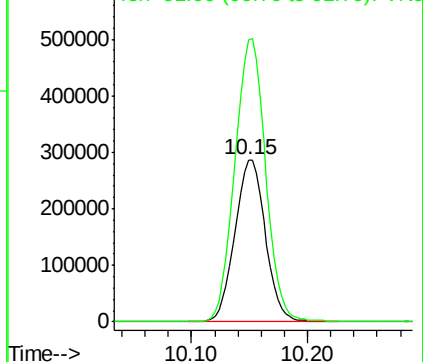
92 100

91 176.2 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





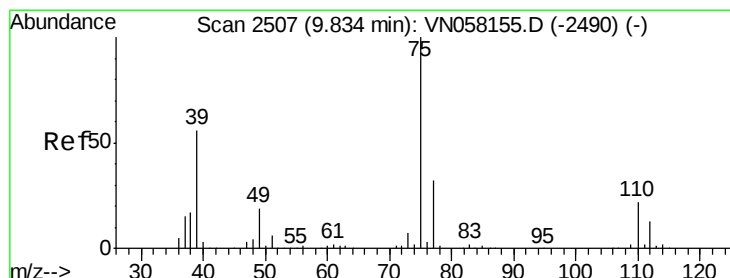
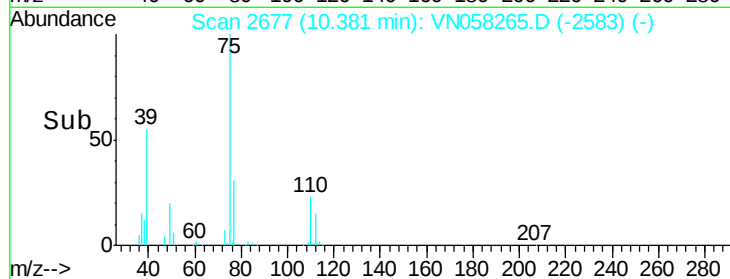
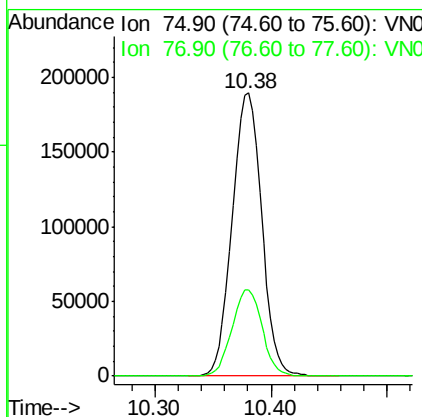
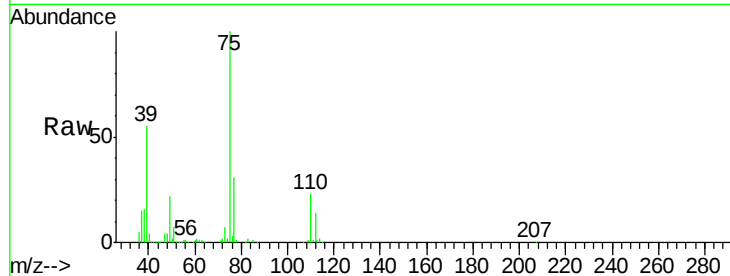
#53
t-1,3-Dichloropropene
Concen: 51.358 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion: 75 Resp: 334188
Ion Ratio Lower Upper
75 100
77 30.7 24.9 37.3

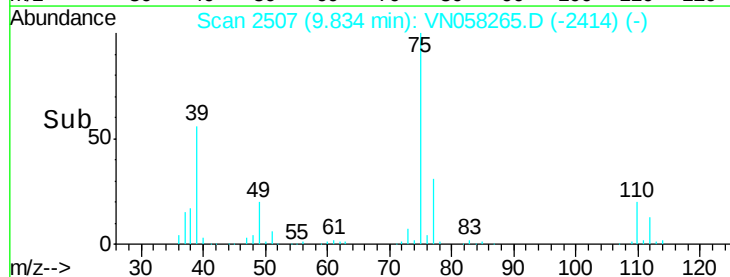
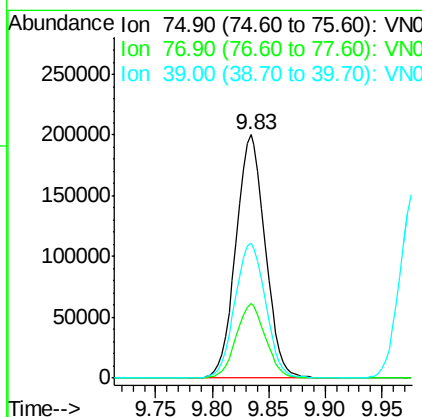
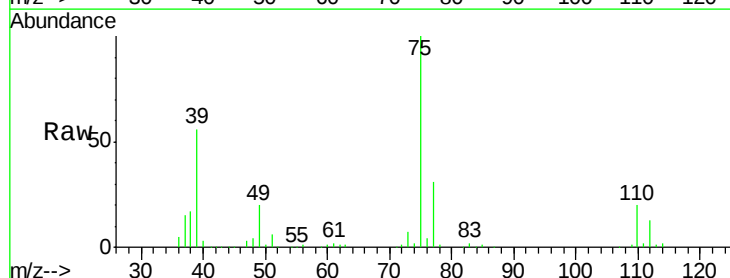
Manual Integrations
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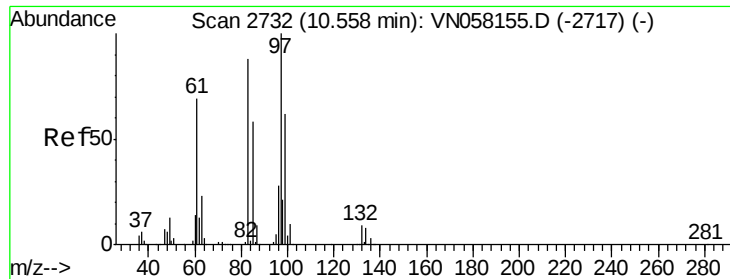
MMDadoda
9/23/2019 3:30:54 PM



#54
cis-1,3-Dichloropropene
Concen: 50.409 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion: 75 Resp: 362143
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0
39 55.5 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 53.405 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 97 Resp: 248044

Ion Ratio Lower Upper

97 100

83 87.9 70.4 105.6

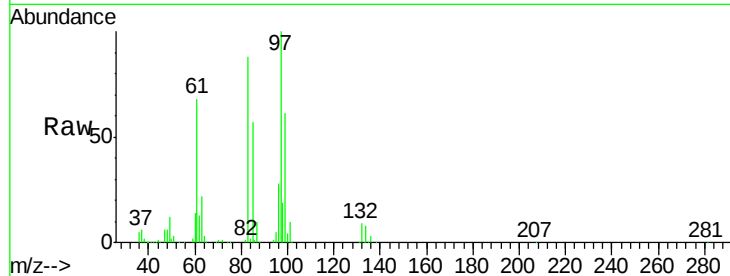
85 57.3 46.8 70.2

99 61.3 49.9 74.9

Manual Integrations
APPROVED

MMDadoda

9/23/2019 3:30:54 PM



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

200000

150000

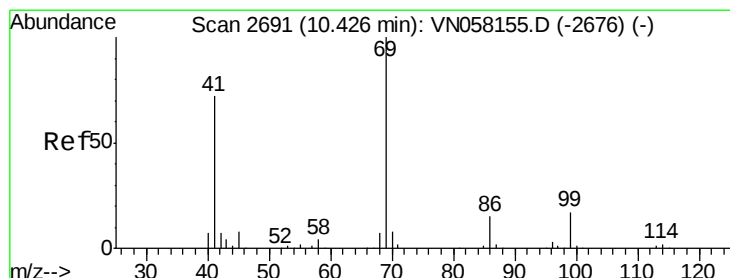
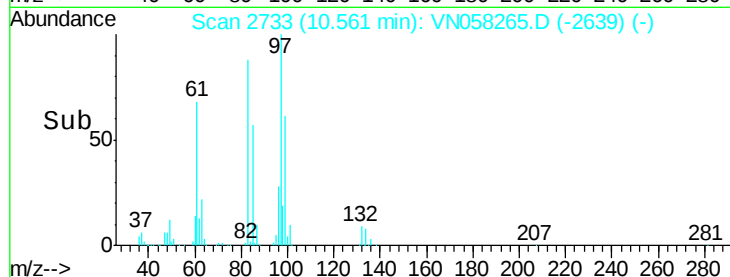
100000

50000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 54.564 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

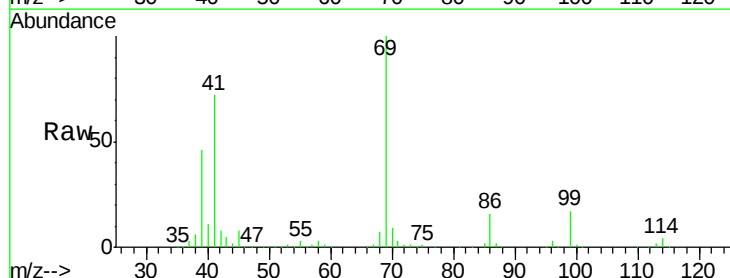
Tgt Ion: 69 Resp: 365653

Ion Ratio Lower Upper

69 100

41 70.9 57.5 86.3

39 45.2 36.1 54.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

300000

250000

200000

150000

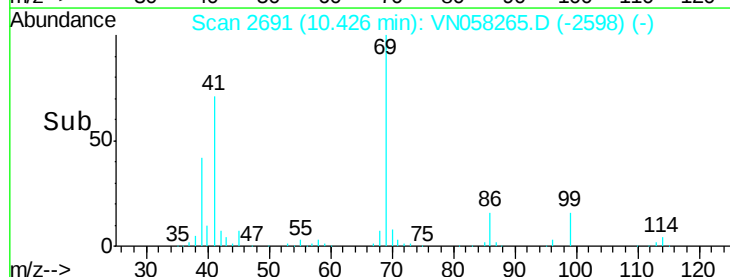
100000

50000

0

10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 51.969 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 76 Resp: 414950

Ion Ratio Lower Upper

76 100

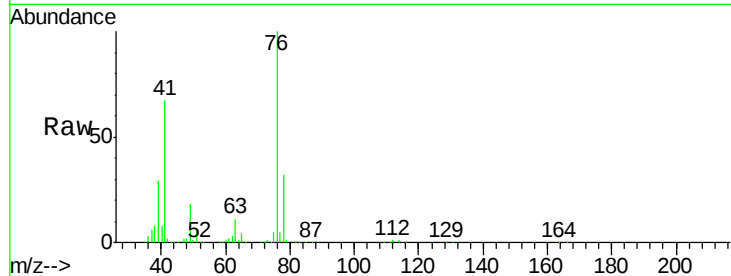
78 31.7 25.4 38.0

Manual Integrations

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MMDadoda

9/23/2019 3:30:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

50000

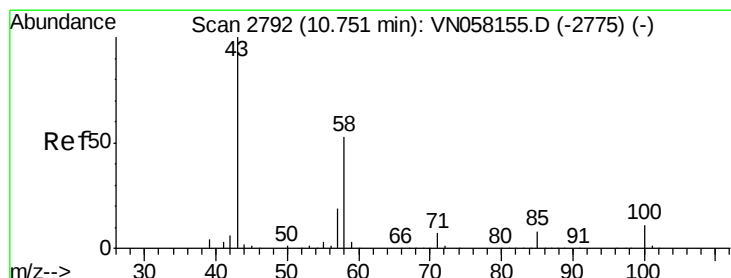
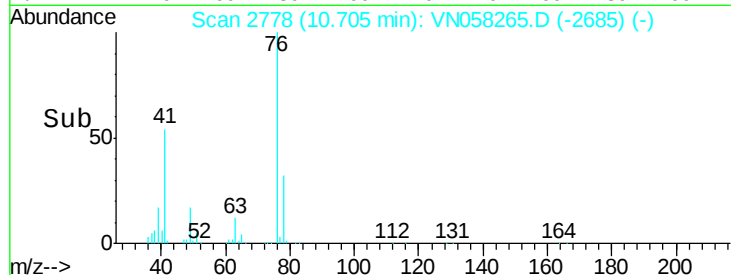
0

10.60

10.70

10.80

Time-->



#59

2-Hexanone

Concen: 299.355 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058265.D

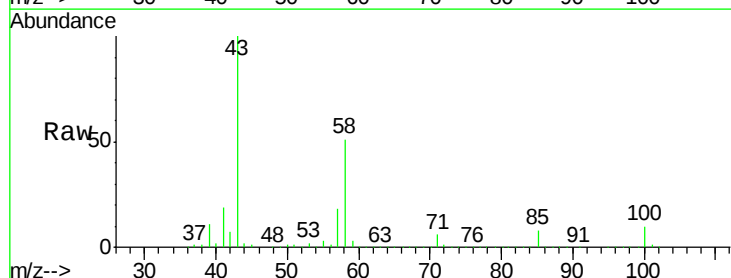
Acq: 20 Sep 2019 20:45

Tgt Ion: 43 Resp: 1251431

Ion Ratio Lower Upper

43 100

58 50.8 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

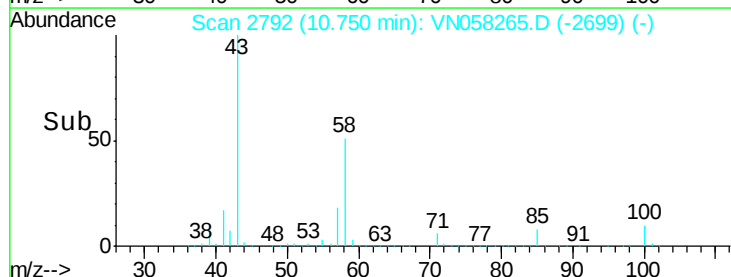
200000

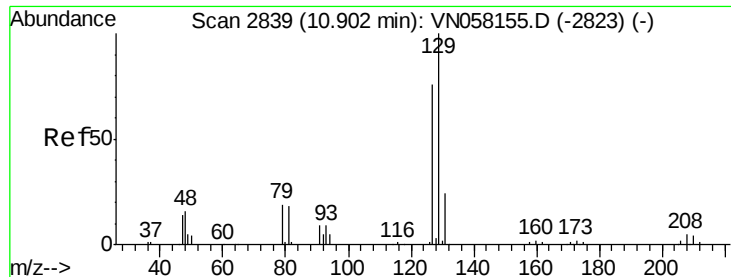
0

10.70

10.80

Time-->





#60

Dibromochloromethane

Concen: 54.993 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion:129 Resp: 245729

Ion Ratio Lower Upper

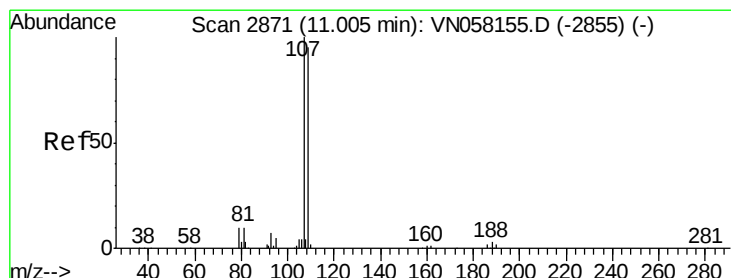
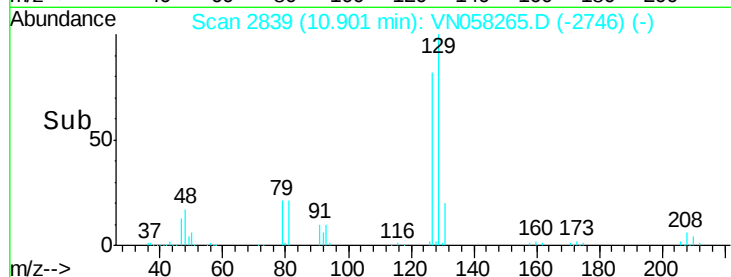
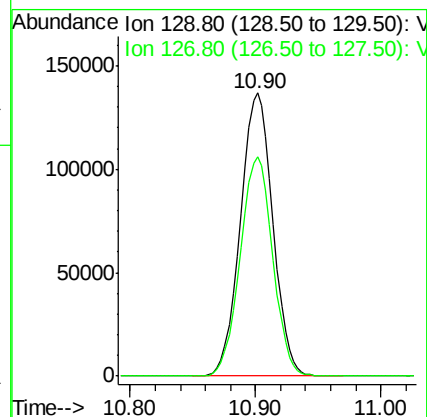
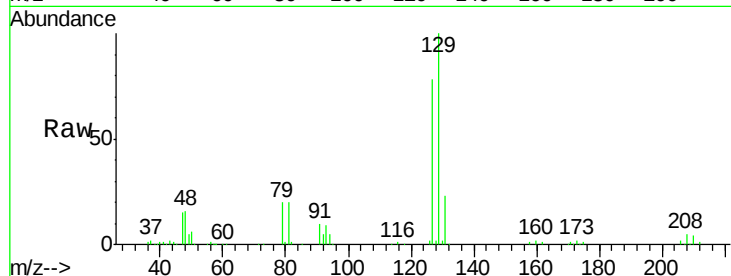
129 100

127 77.6 38.7 116.1

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#61

1,2-Dibromoethane

Concen: 52.836 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058265.D

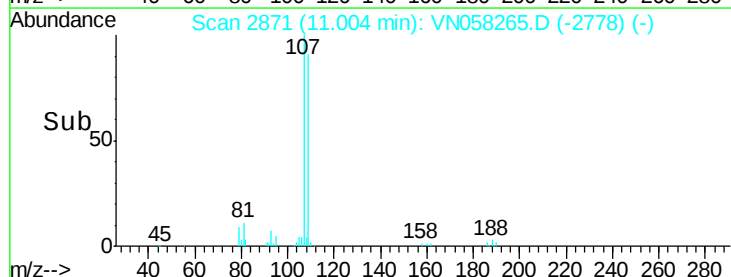
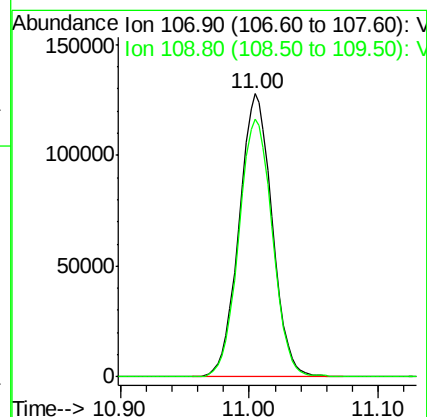
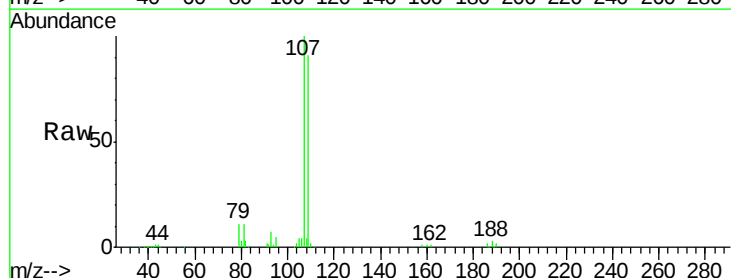
Acq: 20 Sep 2019 20:45

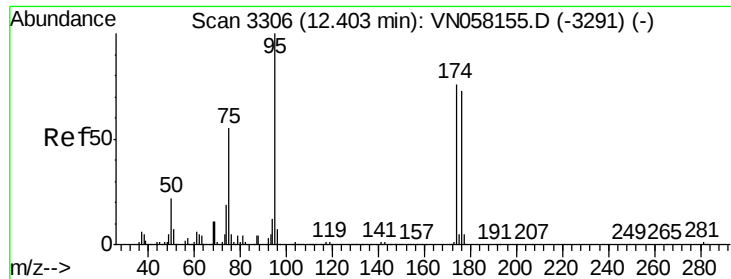
Tgt Ion:107 Resp: 227423

Ion Ratio Lower Upper

107 100

109 92.8 75.4 113.2





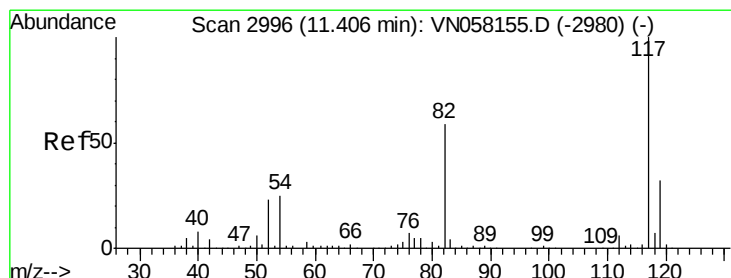
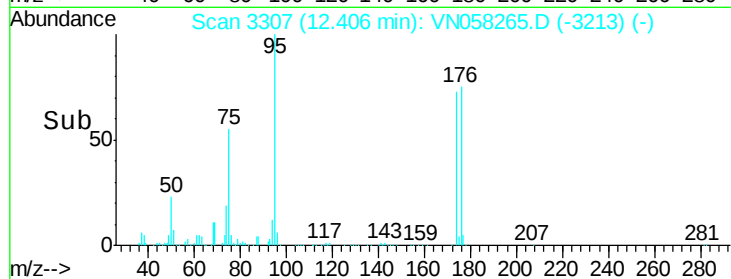
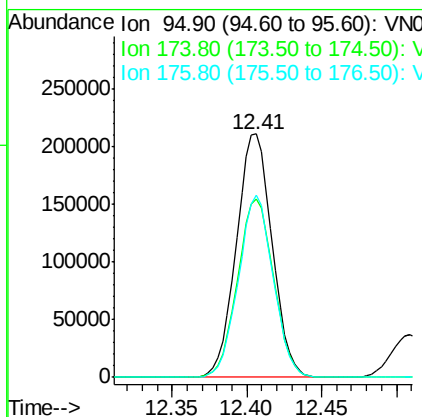
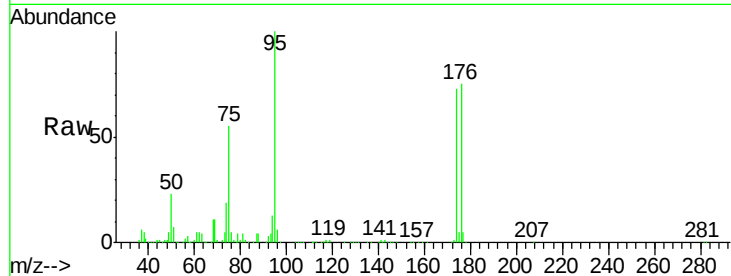
#62
4-Bromofluorobenzene
Concen: 52.703 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	351567		
174	73.8	0.0	152.2	
176	72.7	0.0	148.0	

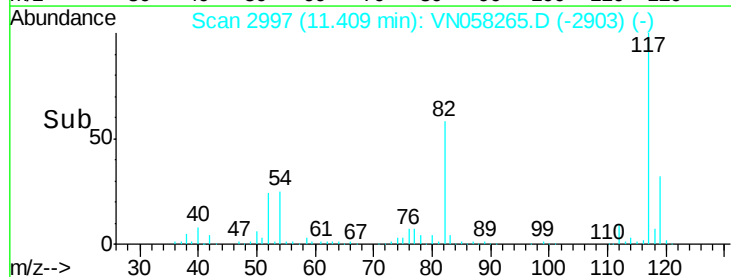
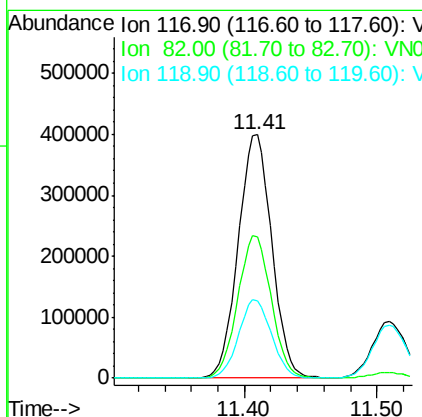
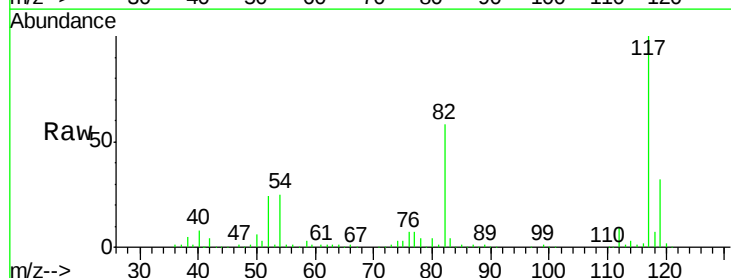
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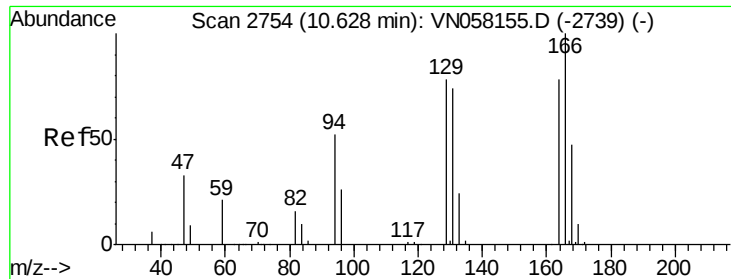
MMDadoda
9/23/2019 3:30:54 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	703071		
82	57.8	46.9	70.3	
119	31.8	25.3	37.9	





#64

Tetrachloroethene

Concen: 44.280 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion:164 Resp: 151762

Ion Ratio Lower Upper

164 100

166 127.9 102.2 153.4

129 98.6 79.6 119.4

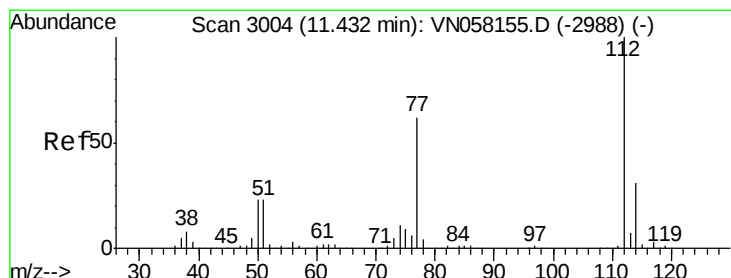
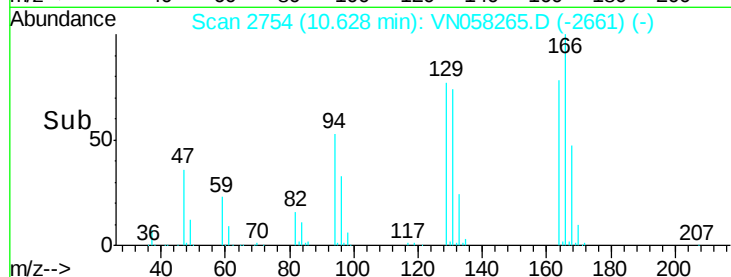
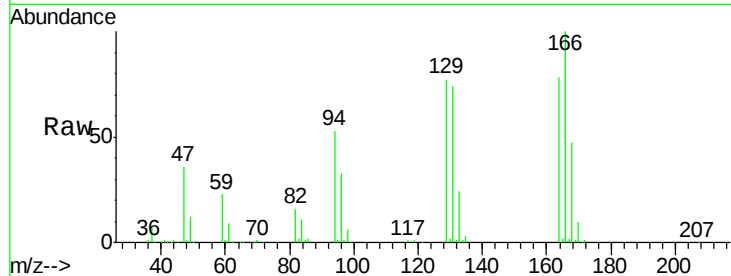
131 94.8 76.0 114.0

Manual Integrations

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#65

Chlorobenzene

Concen: 49.460 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058265.D

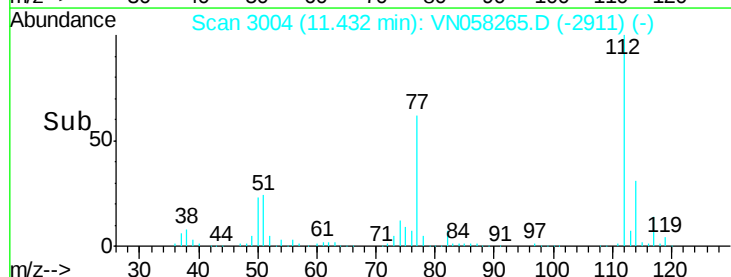
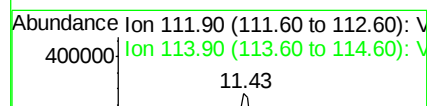
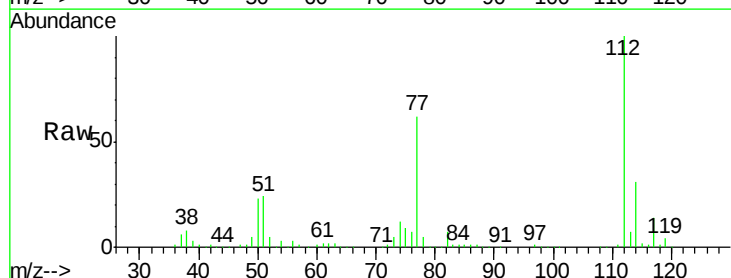
Acq: 20 Sep 2019 20:45

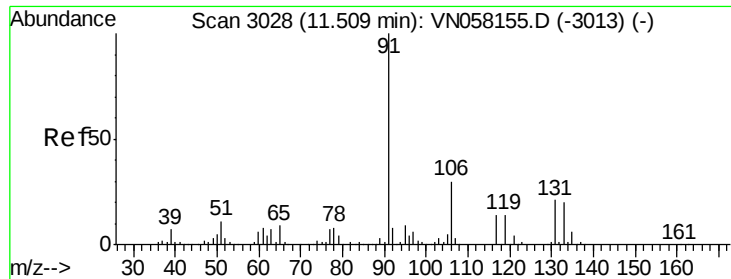
Tgt Ion:112 Resp: 611653

Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 52.983 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

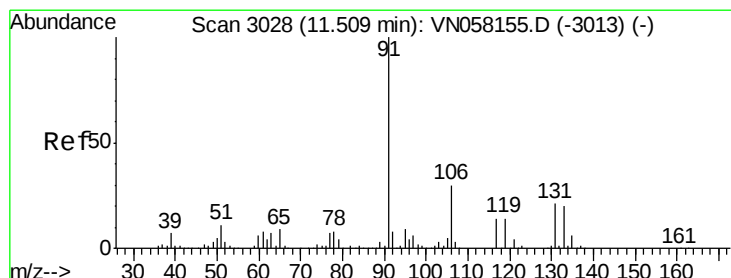
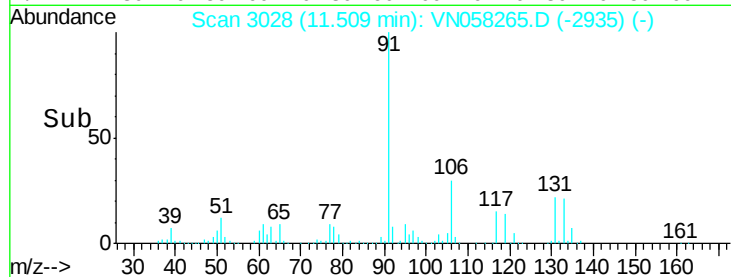
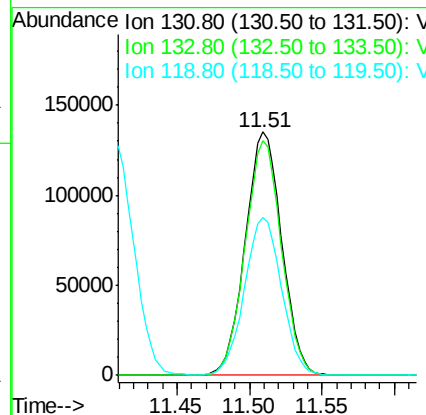
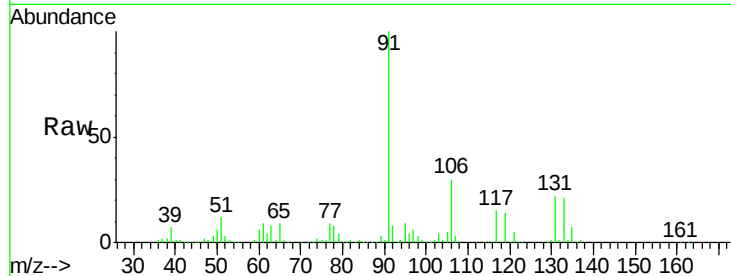
ClientSampleId :

RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	237582		
133	95.5	47.8	143.3	
119	65.7	33.1	99.3	

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#67

Ethyl Benzene

Concen: 51.277 ug/l

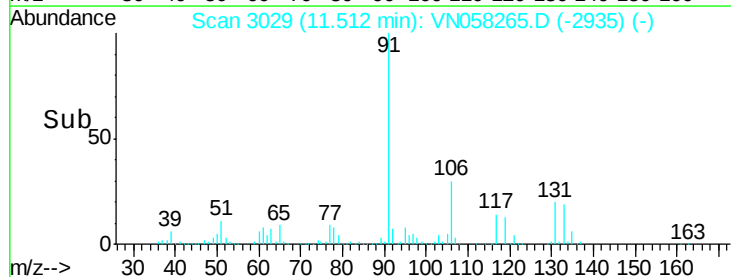
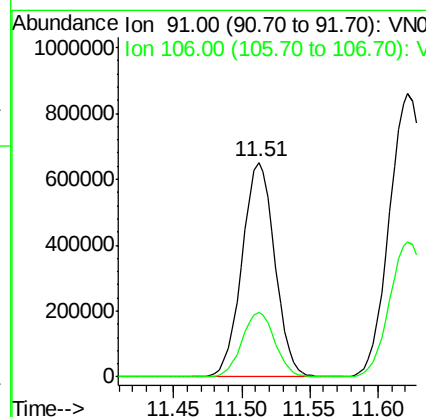
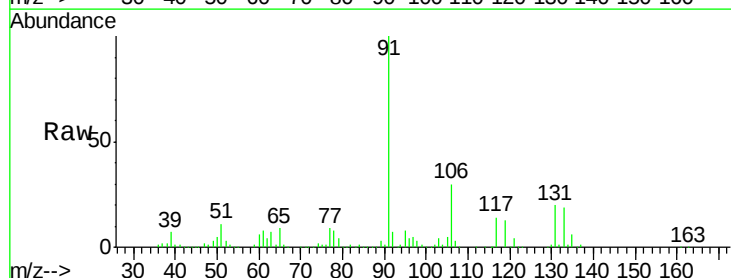
RT: 11.51 min Scan# 3029

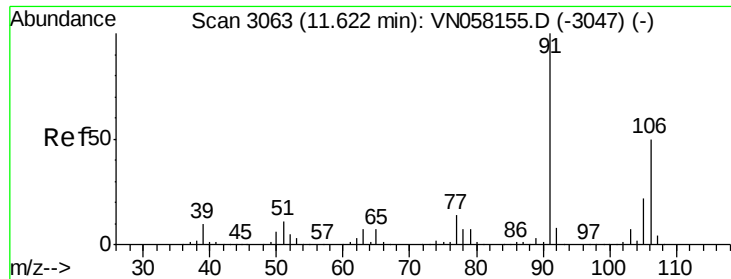
Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1086550		
106	30.1	24.0	36.0	





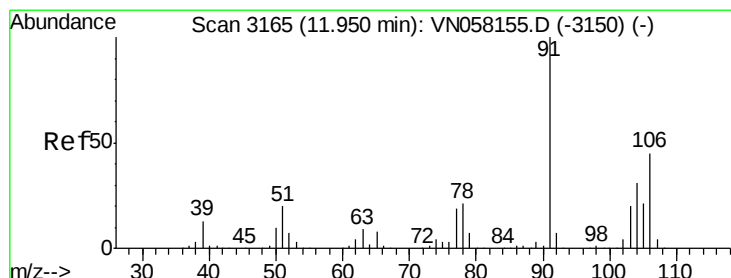
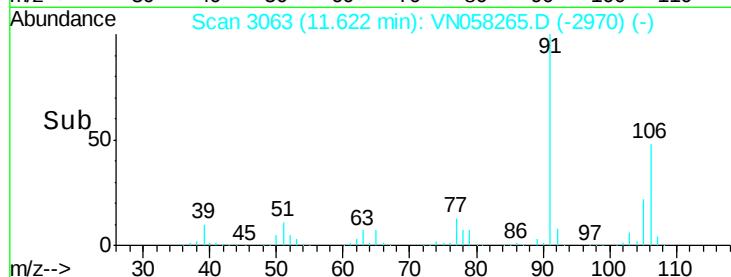
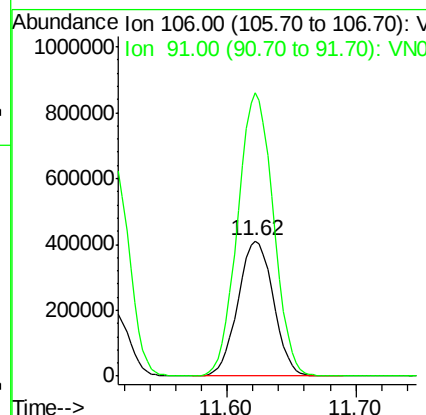
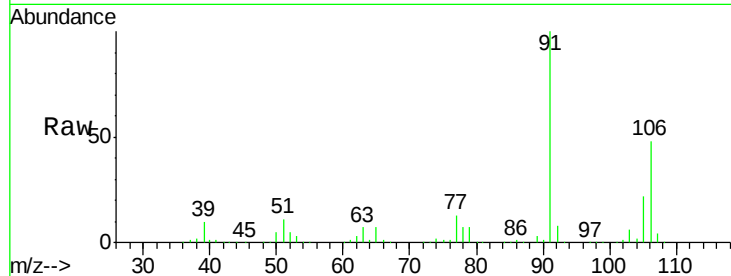
#68
m/p-Xylenes
Concen: 98.569 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion:106 Resp: 786654
Ion Ratio Lower Upper
106 100
91 210.5 163.6 245.4

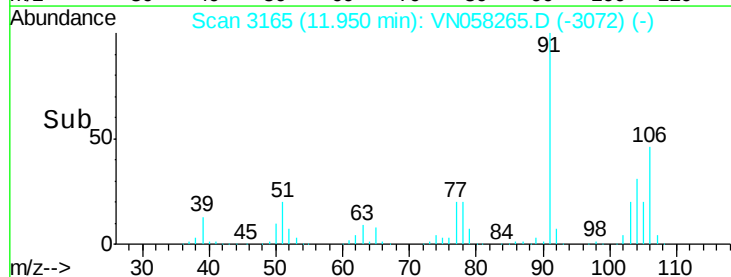
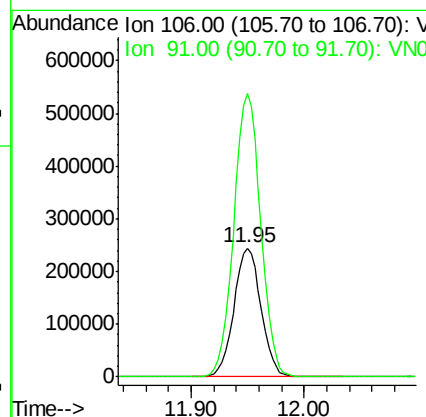
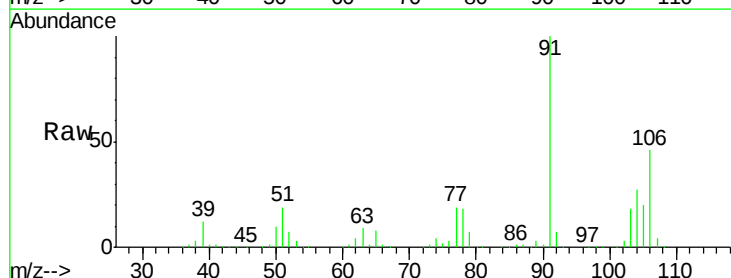
Manual Integrations
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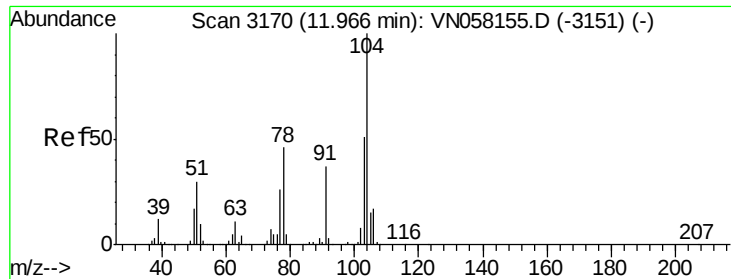
MMDadoda
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#69
o-Xylene
Concen: 51.622 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion:106 Resp: 405094
Ion Ratio Lower Upper
106 100
91 219.0 111.8 335.3





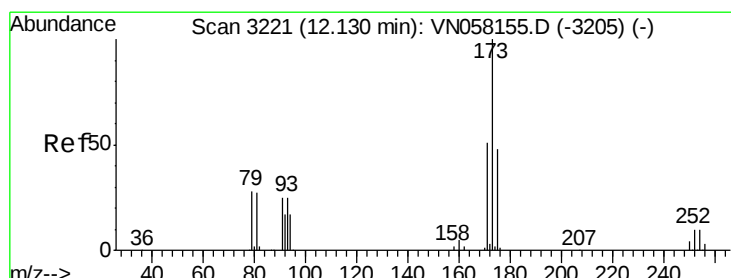
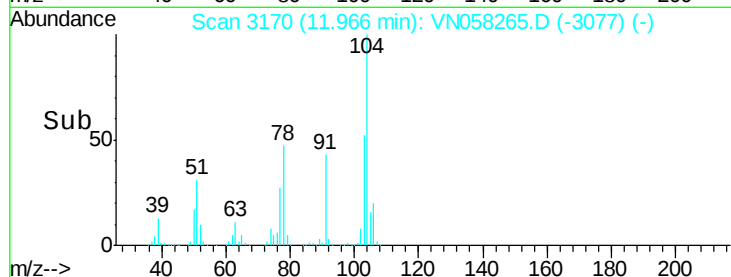
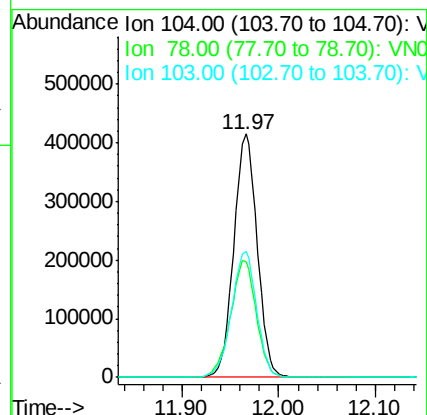
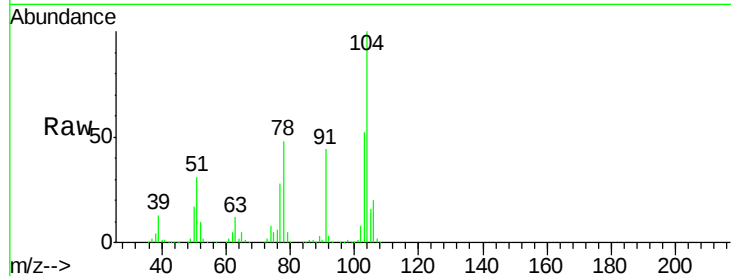
#70
Stvrene
Concen: 51.636 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	698169		
78	52.6		41.8	62.8
103	55.3		44.2	66.2

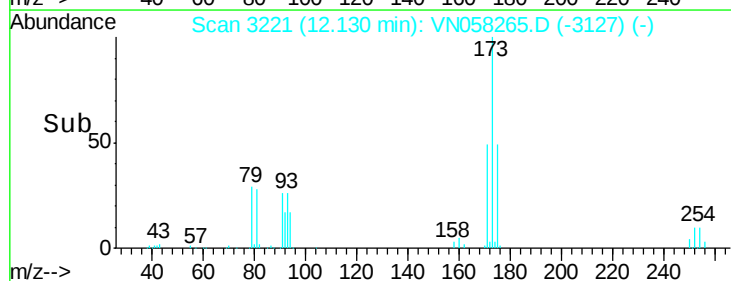
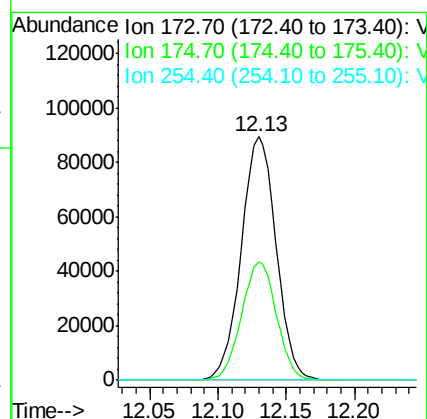
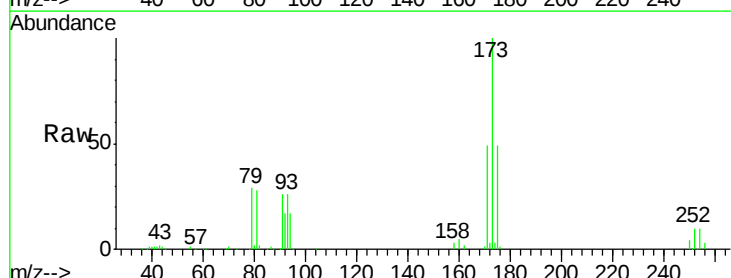
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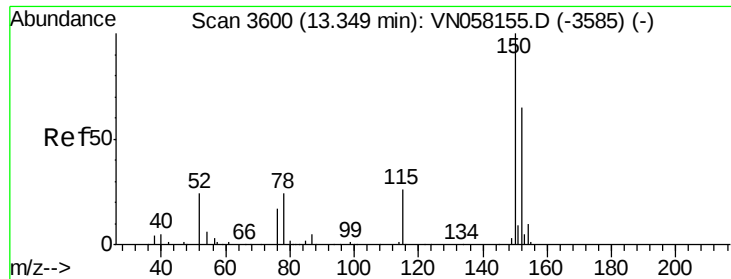
MMDadoda
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#71
Bromoform
Concen: 47.836 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	158476		
175	48.8		24.2	72.6
254	0.0		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

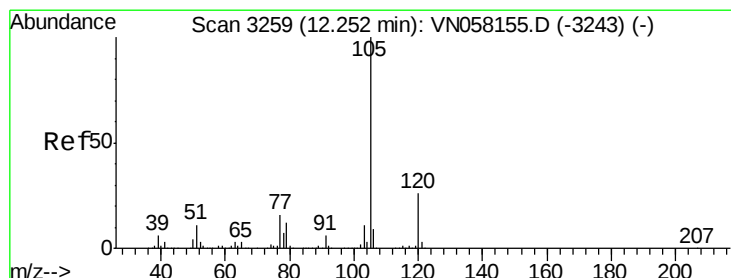
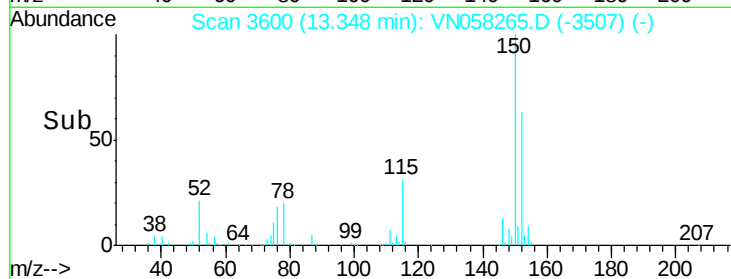
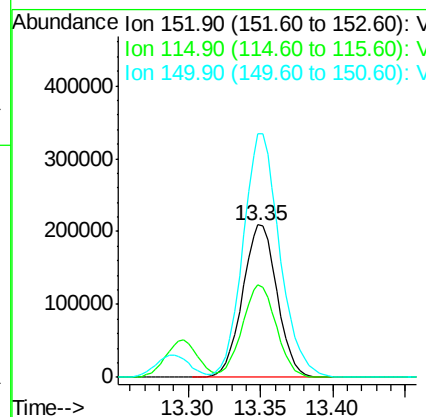
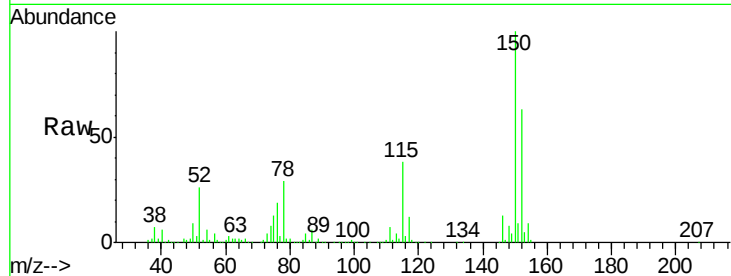
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	152	Resp:	345702
Ion Ratio	Lower	Upper	
152	100		
115	59.9	30.1	90.3
150	169.9	0.0	346.4

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#73

Isopropylbenzene

Concen: 52.998 ug/l

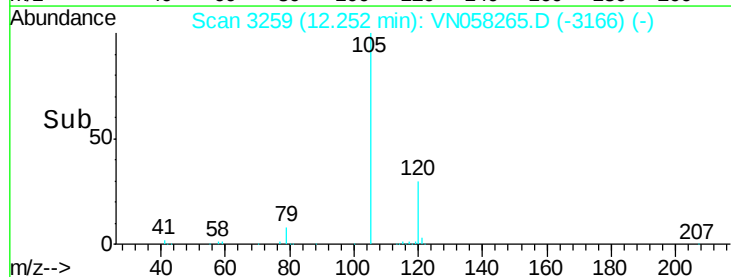
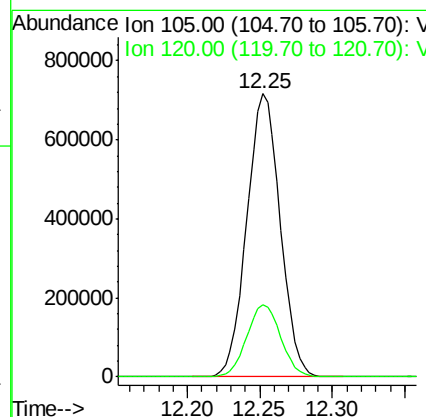
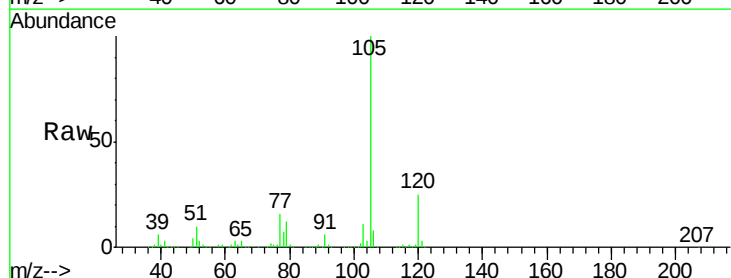
RT: 12.25 min Scan# 3259

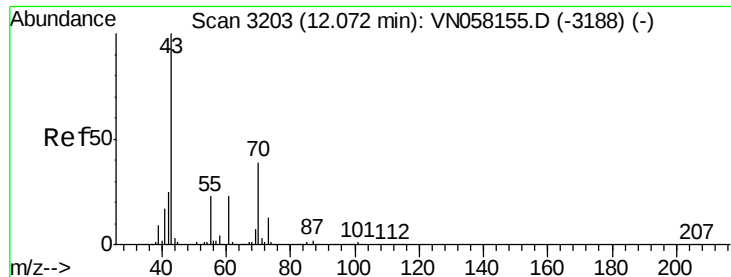
Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	105	Resp:	1146808
Ion Ratio	Lower	Upper	
105	100		
120	25.9	12.8	38.3





#74

N-amyl acetate

Concen: 53.170 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

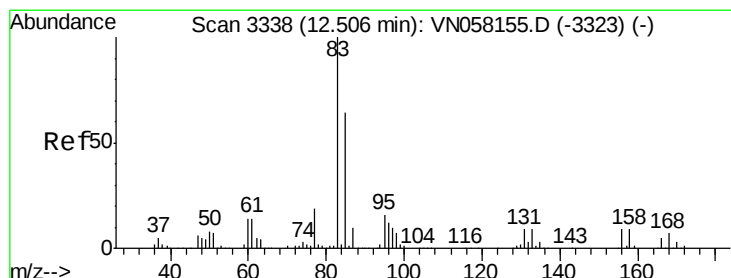
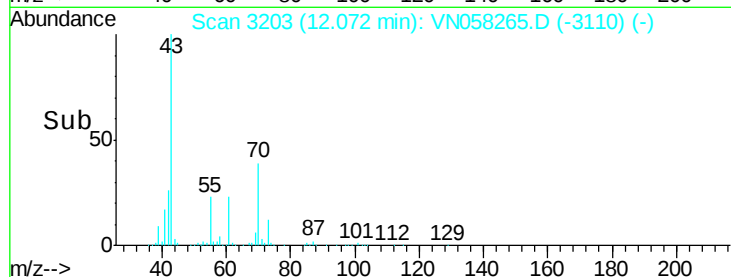
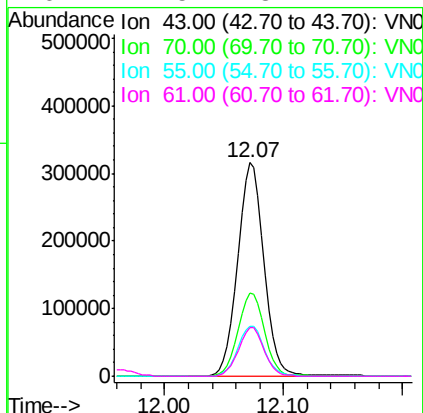
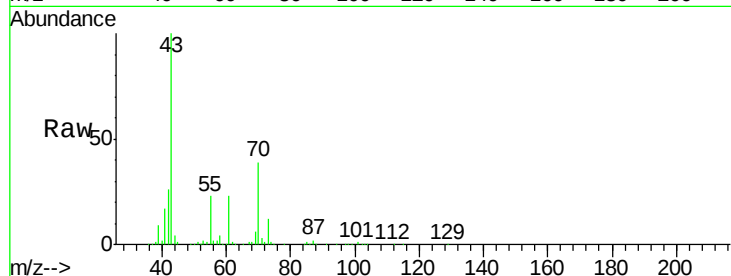
ClientSampleId :

RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.0	46.6
55	24.2	18.5	27.7
61	22.5	18.2	27.2

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#75

1,1,2,2-Tetrachloroethane

Concen: 53.787 ug/l

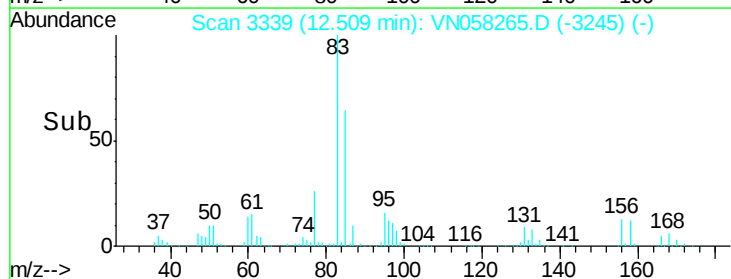
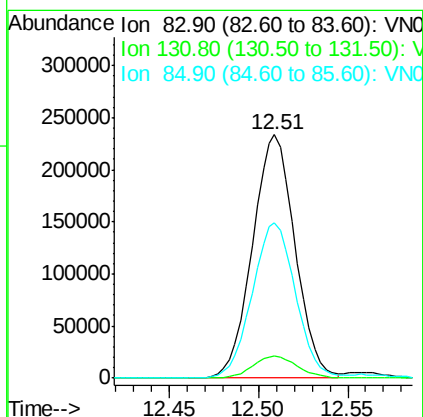
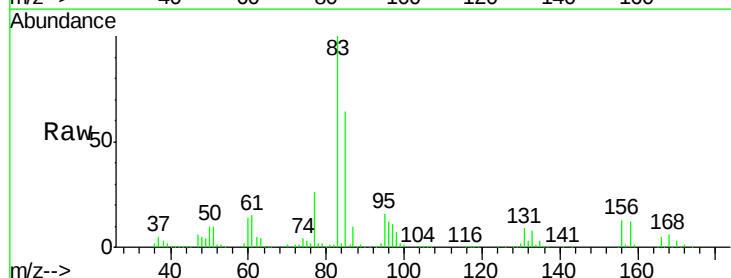
RT: 12.51 min Scan# 3339

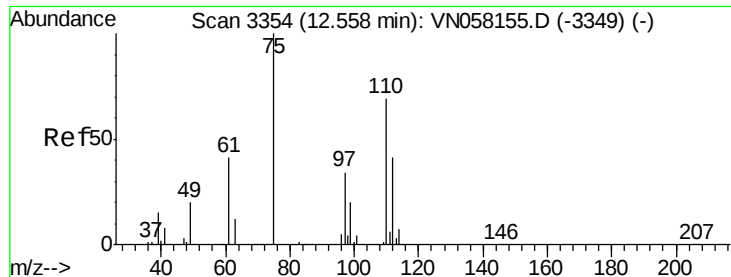
Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.0	31.9	95.5





#76

1,2,3-Trichloropropane

Concen: 57.605 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 75 Resp: 356402

Ion Ratio Lower Upper

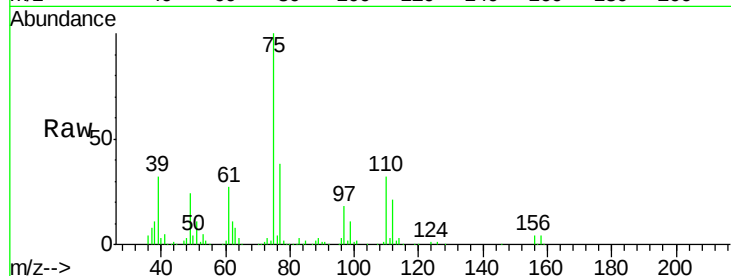
75 100

77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3349) (-)

300000

200000

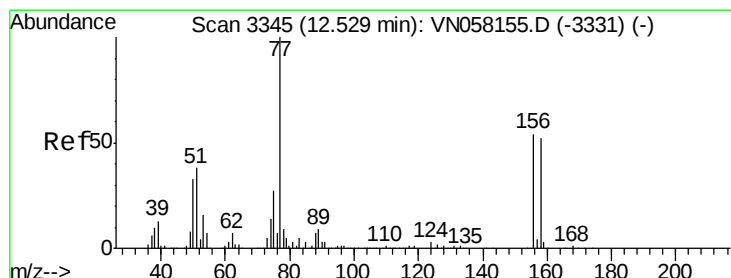
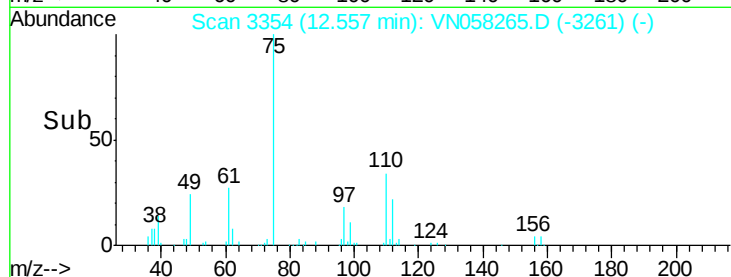
100000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 49.147 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

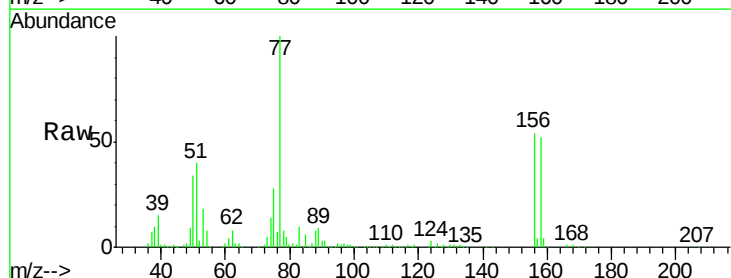
Tgt Ion: 156 Resp: 267511

Ion Ratio Lower Upper

156 100

77 227.9 111.7 335.1

158 98.0 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): VN058155.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN058155.D (-3331) (-)

Ion 157.80 (157.50 to 158.50): VN058155.D (-3331) (-)

400000

300000

200000

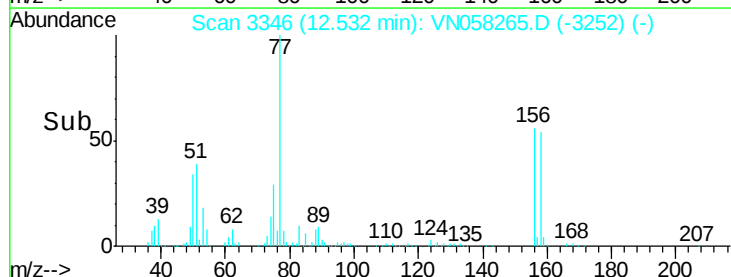
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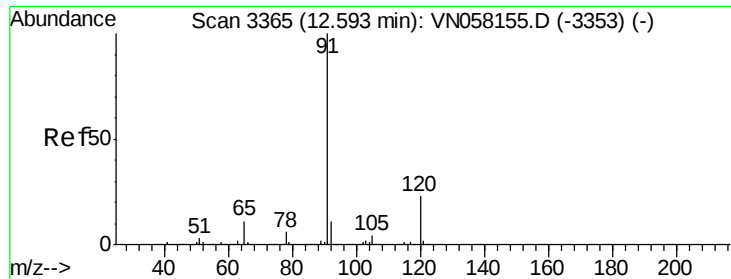
0

12.50

12.60

Time-->





#78

n-propylbenzene

Concen: 53.503 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MS

Tot Ion: 91 Resp: 1315588

Ion Ratio Lower Upper

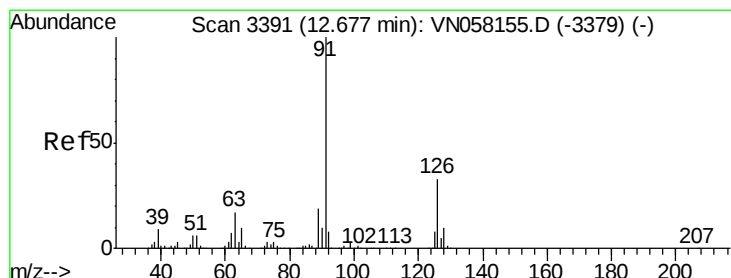
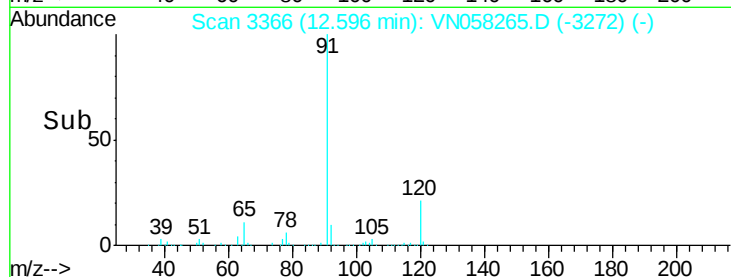
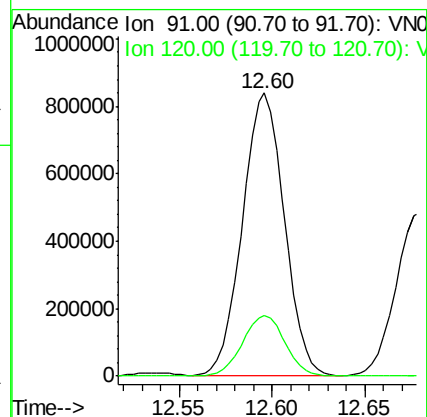
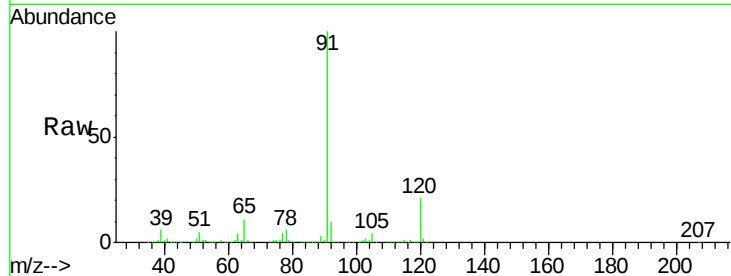
91 100

120 21.9 11.1 33.3

Manual Integrations
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9/23/2019 3:30:54 PM



#79

2-Chlorotoluene

Concen: 51.611 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058265.D

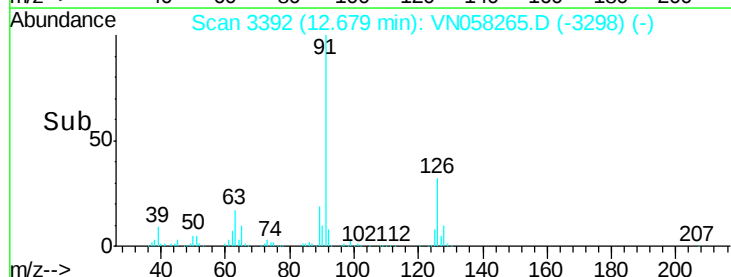
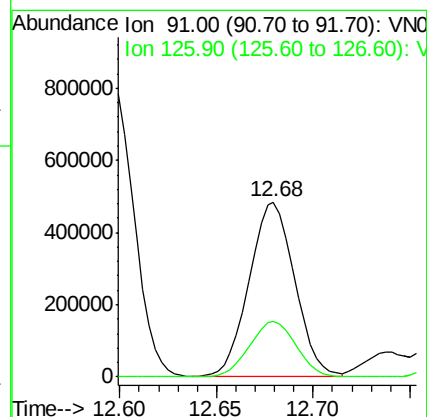
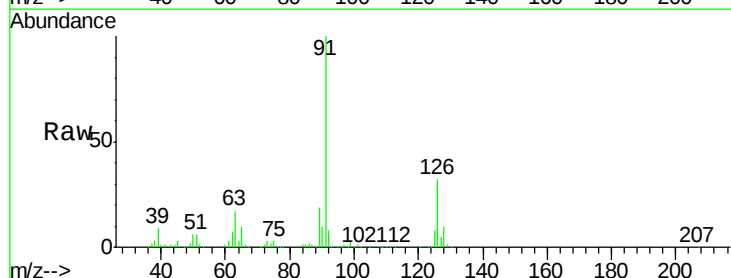
Acq: 20 Sep 2019 20:45

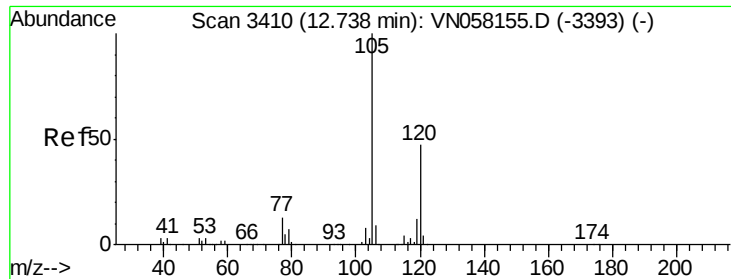
Tgt Ion: 91 Resp: 793131

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





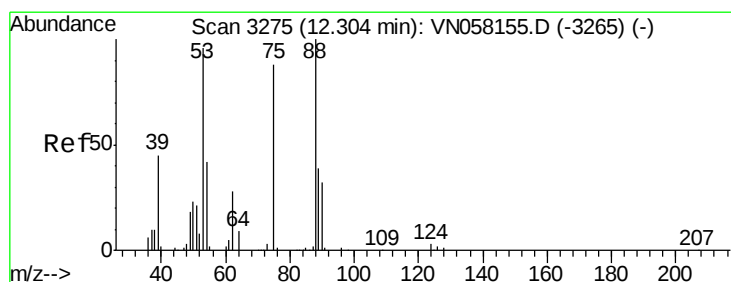
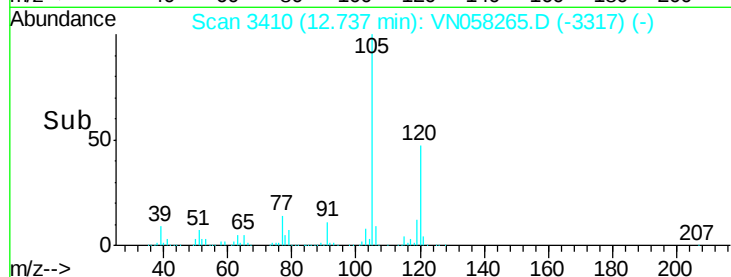
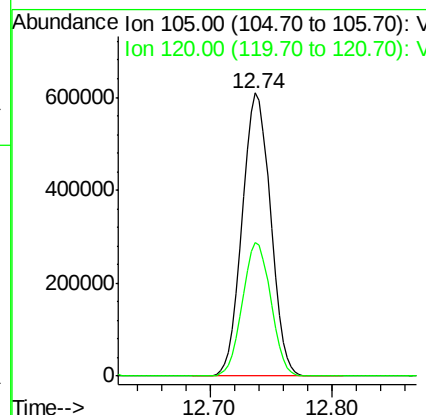
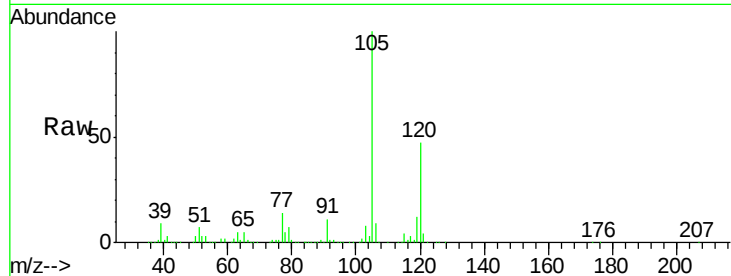
#80
 1,3,5-Trimethylbenzene
 Concen: 53.348 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion:105 Resp: 976163
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0

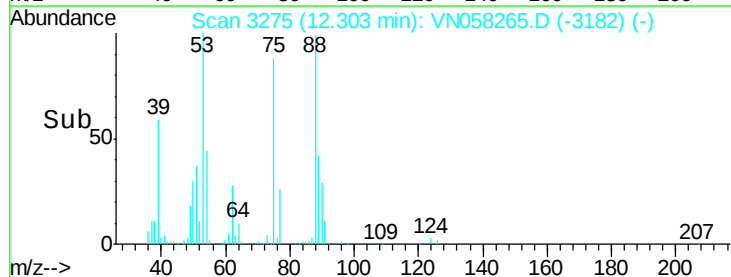
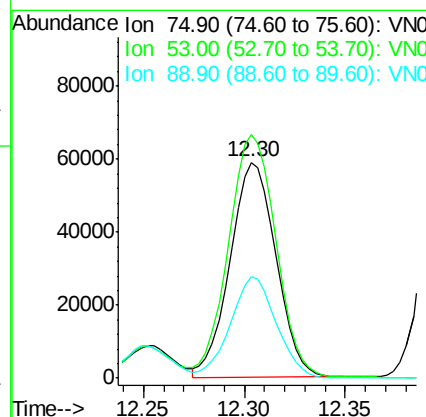
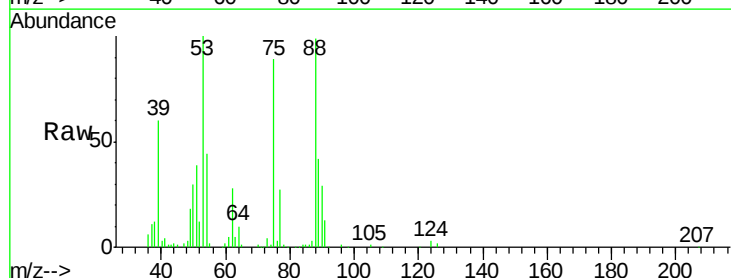
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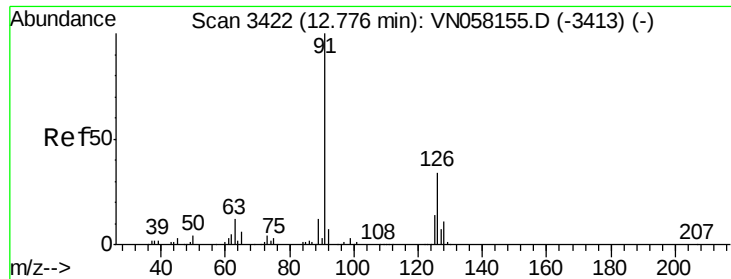
MMDadoda
 9/23/2019 3:30:54 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.682 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion: 75 Resp: 93790
 Ion Ratio Lower Upper
 75 100
 53 117.1 90.1 135.1
 89 47.3 36.2 54.2





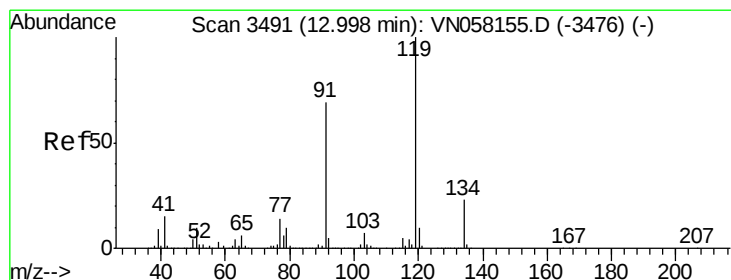
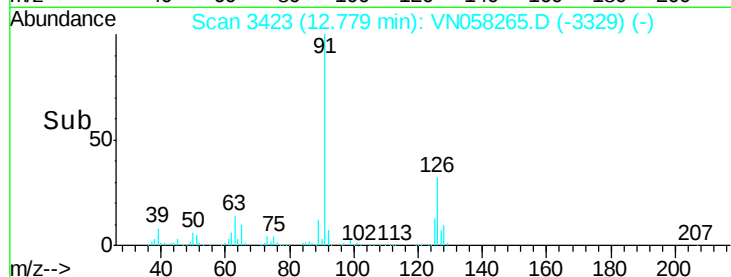
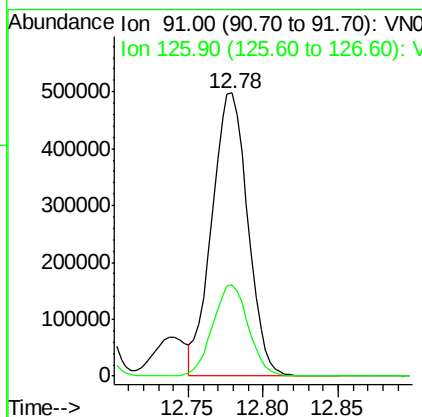
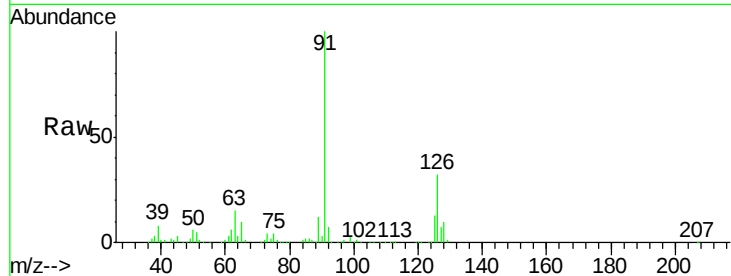
#82
4-Chlorotoluene
Concen: 51.373 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion: 91 Resp: 829874
Ion Ratio Lower Upper
91 100
126 32.1 15.7 47.1

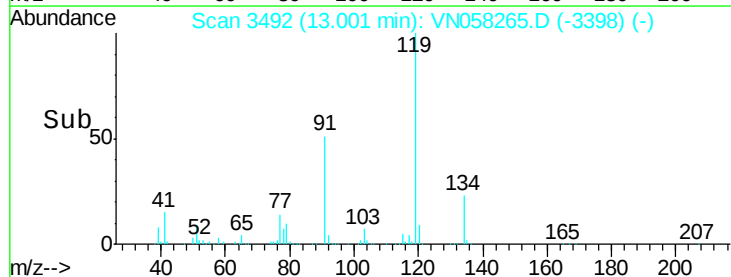
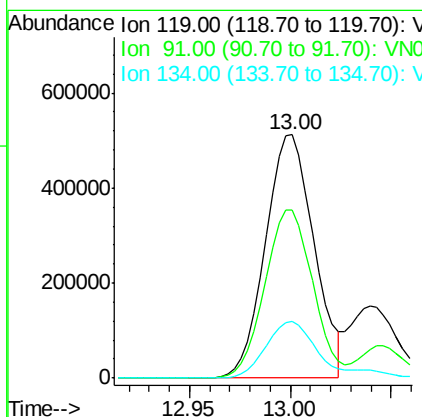
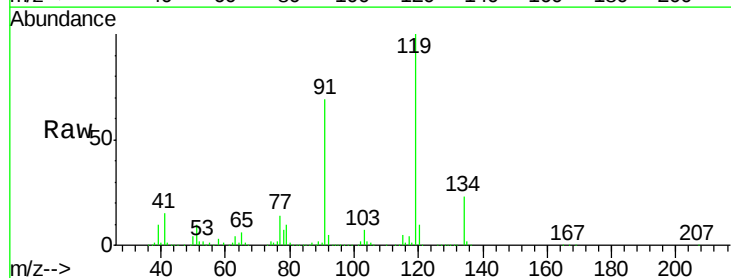
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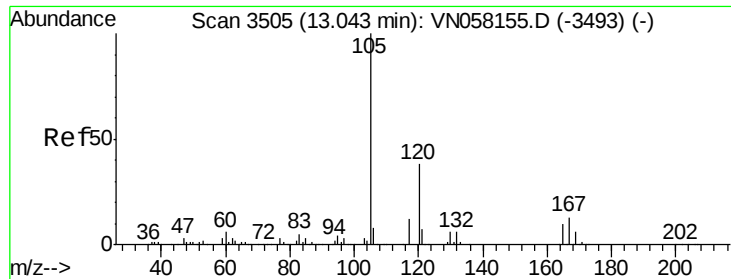
MMDadoda
9/23/2019 3:30:54 PM



#83
tert-Butylbenzene
Concen: 52.477 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion: 119 Resp: 856322
Ion Ratio Lower Upper
119 100
91 68.2 33.8 101.3
134 23.9 11.6 34.8





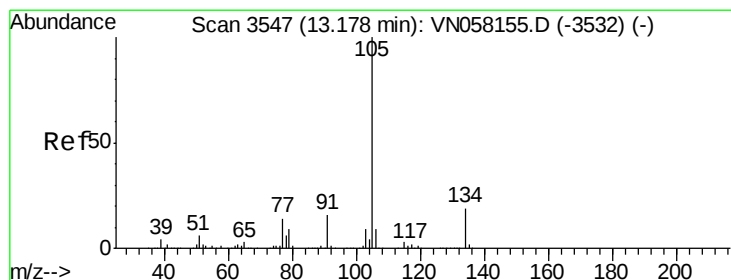
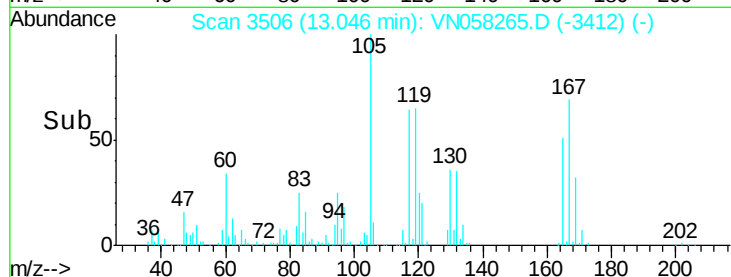
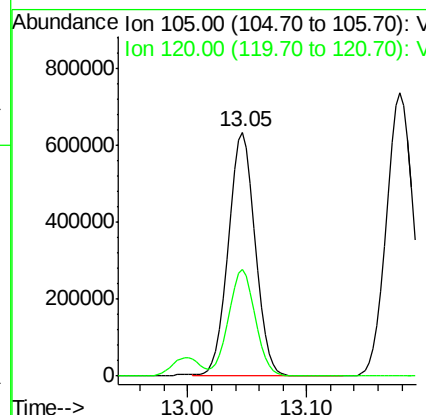
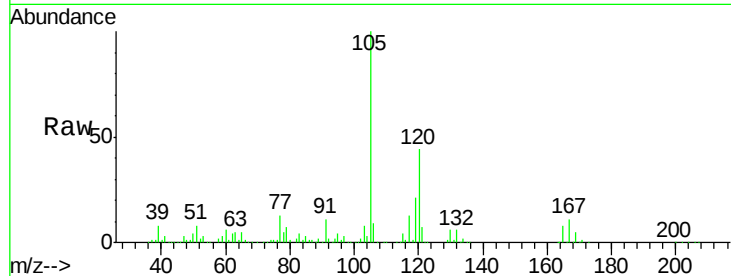
#84
1,2,4-Trimethylbenzene
Concen: 54.138 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5

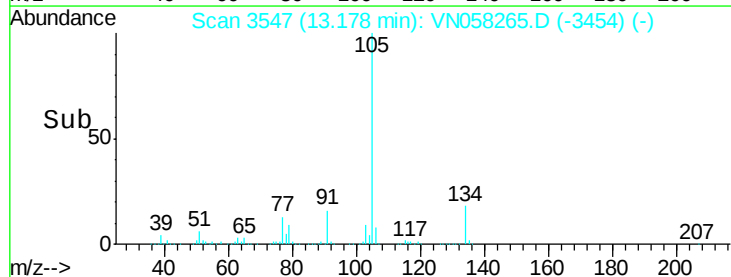
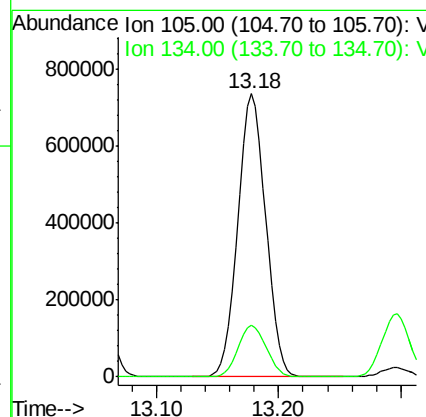
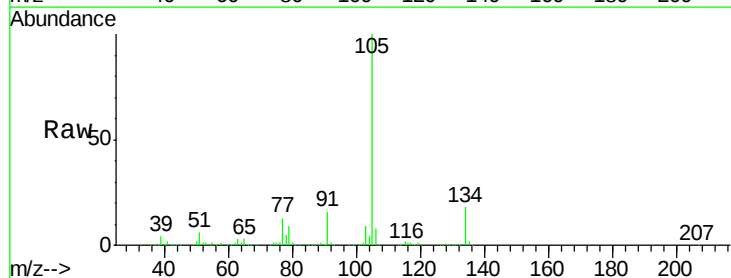
Manual Integrations
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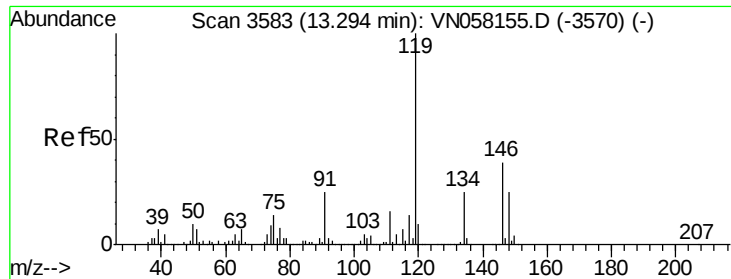
MMDadoda
9/23/2019 3:30:54 PM



#85
sec-Butylbenzene
Concen: 54.523 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.5	28.5





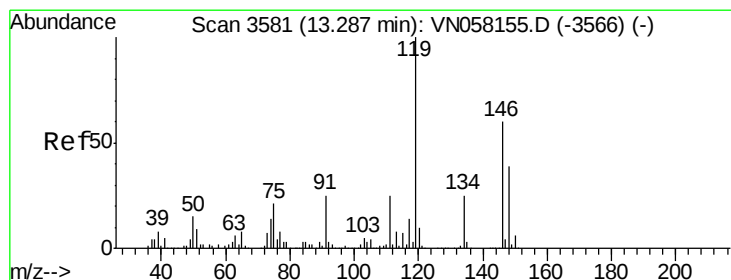
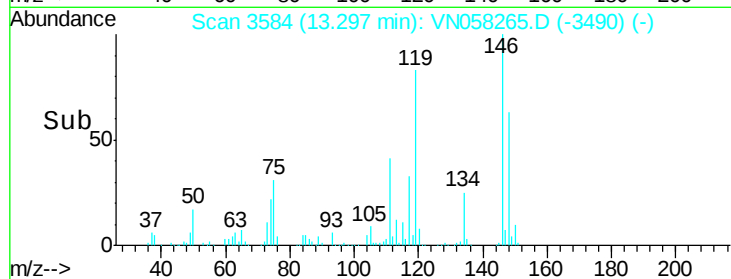
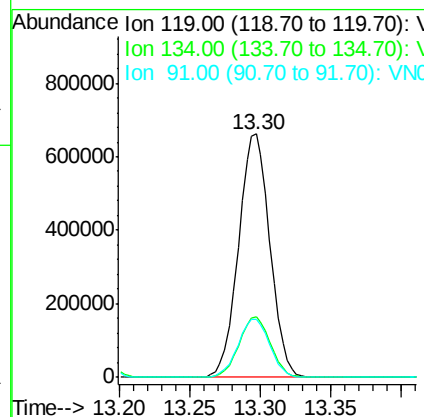
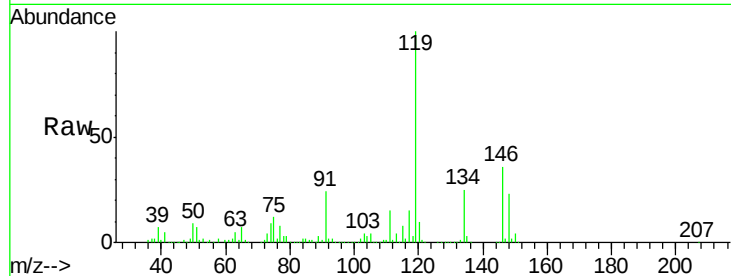
#86
 p-Isopropyltoluene
 Concen: 54.174 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.7	38.0
91	24.4	12.3	36.8

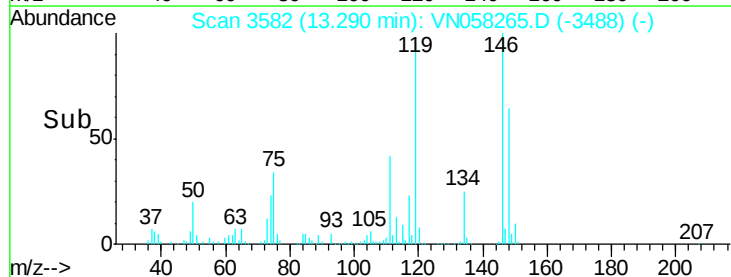
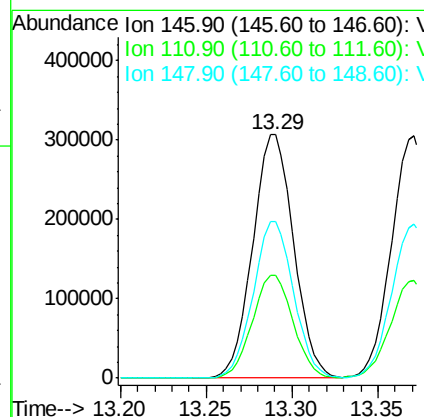
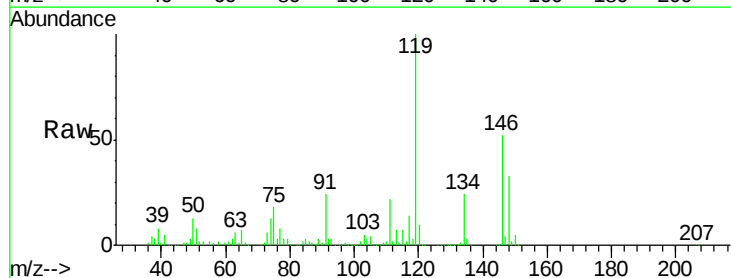
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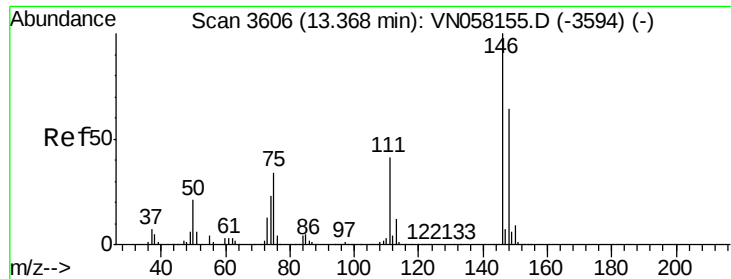
MMDadoda
 9/23/2019 3:30:54 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.029 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	63.4	32.0	96.2





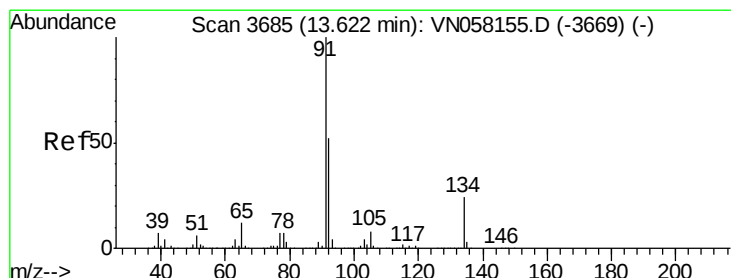
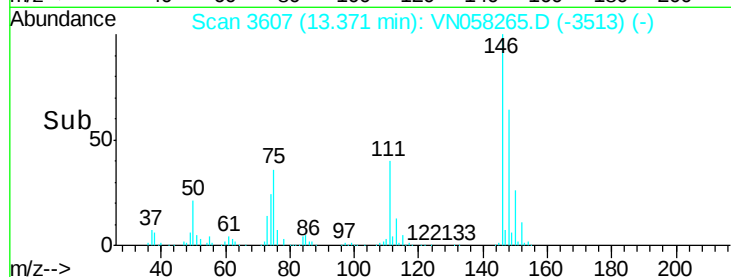
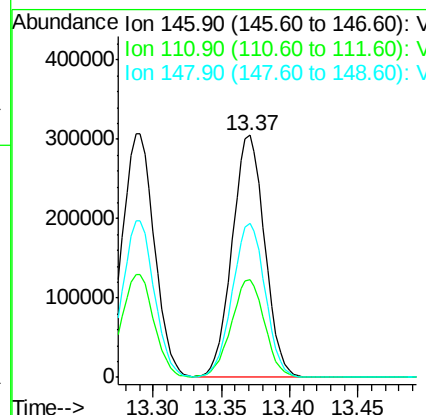
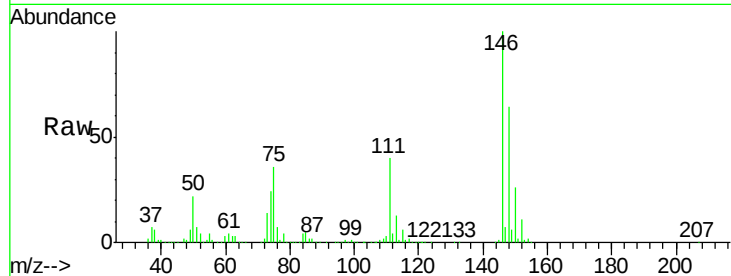
#88
 1,4-Dichlorobenzene
 Concen: 49.732 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.2	31.9	95.5

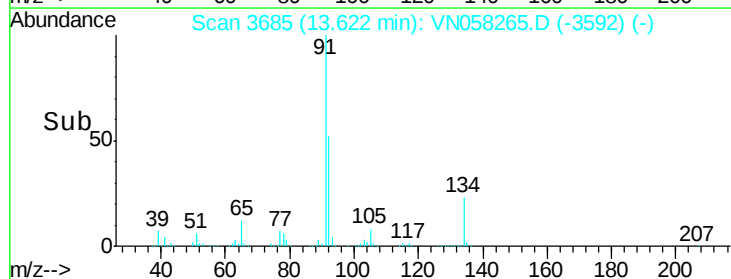
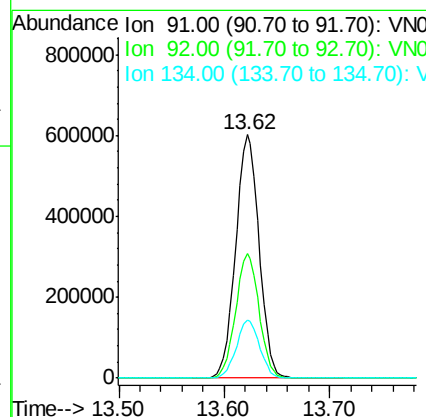
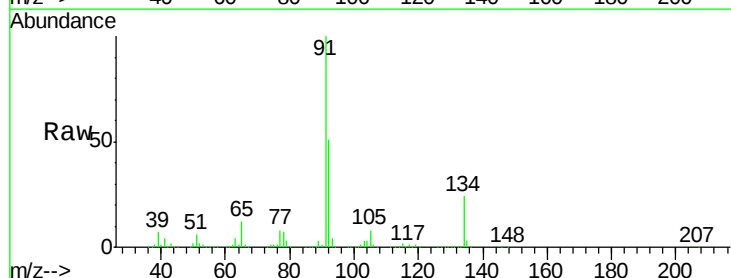
Manual Integrations
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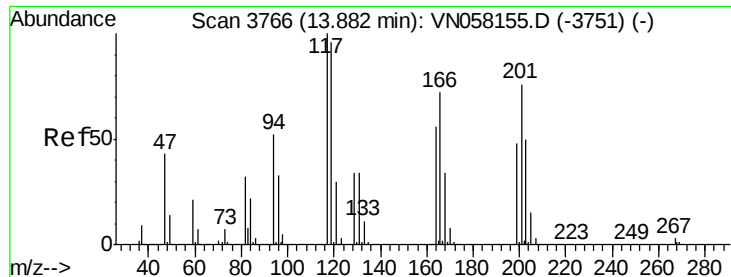
MMDadoda
 9/23/2019 3:30:54 PM



#89
 n-Butylbenzene
 Concen: 51.212 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.0
134	23.9	11.8	35.4





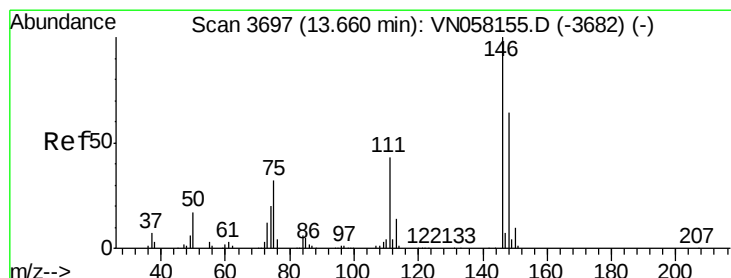
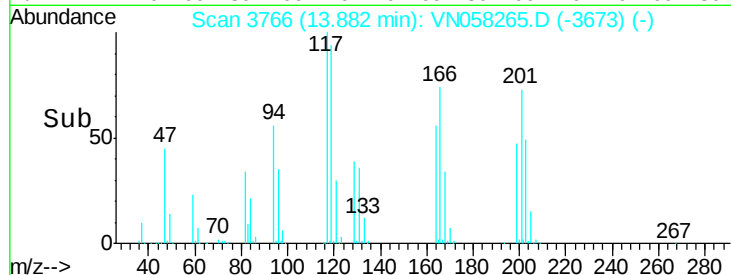
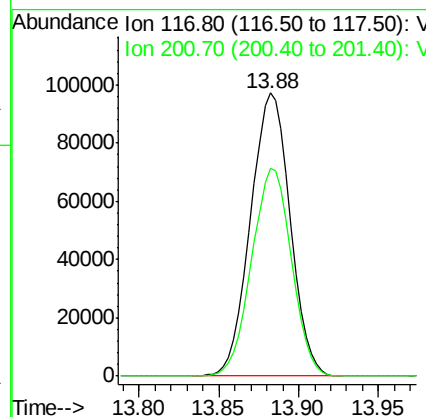
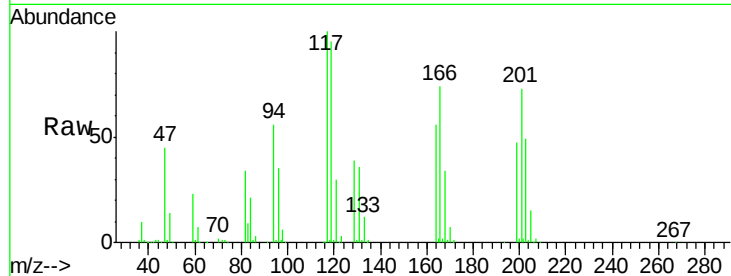
#90
Hexachloroethane
Concen: 49.523 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MS

Tot Ion:117 Resp: 164644
Ion Ratio Lower Upper
117 100
201 73.9 37.5 112.5

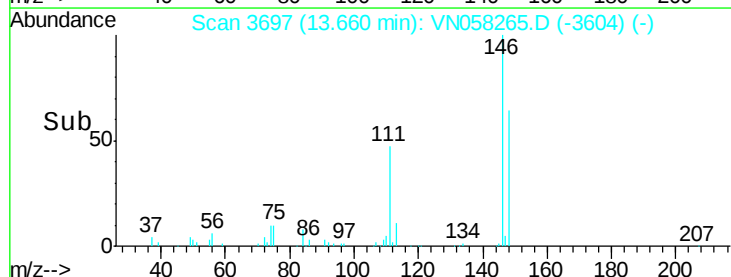
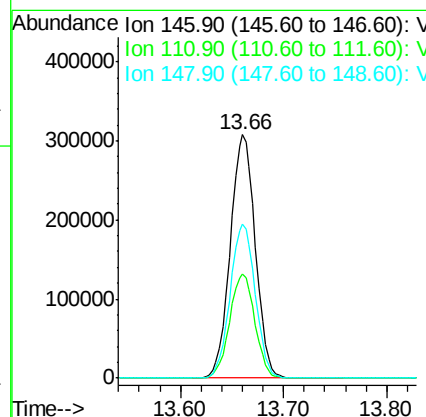
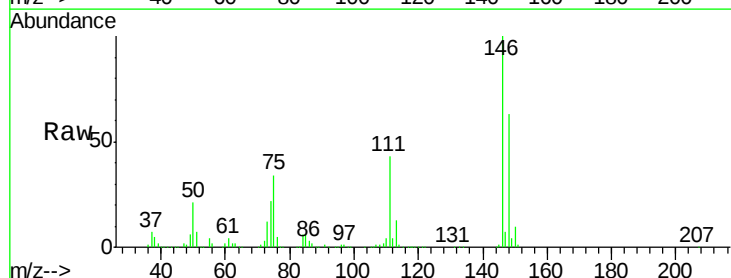
Manual Integrations
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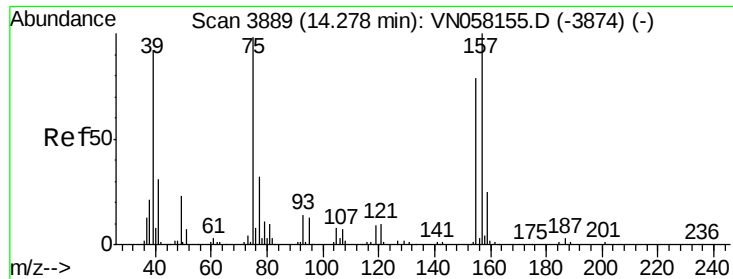
MMDadoda
9/23/2019 3:30:54 PM



#91
1,2-Dichlorobenzene
Concen: 52.071 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN058265.D
Acq: 20 Sep 2019 20:45

Tgt Ion:146 Resp: 519288
Ion Ratio Lower Upper
146 100
111 43.1 21.1 63.1
148 63.8 31.8 95.4





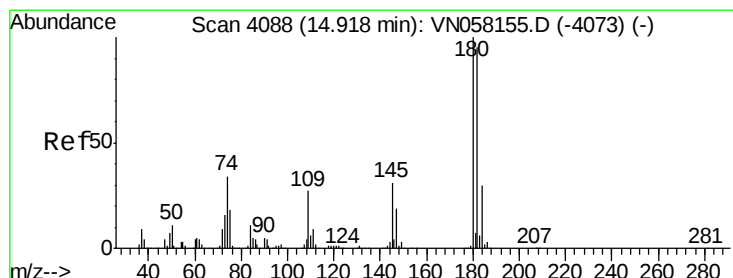
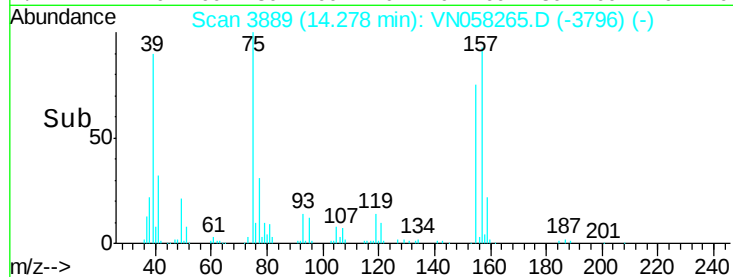
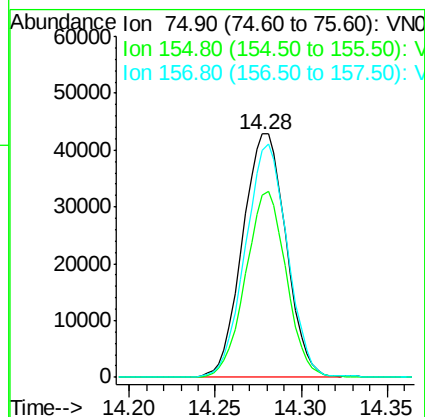
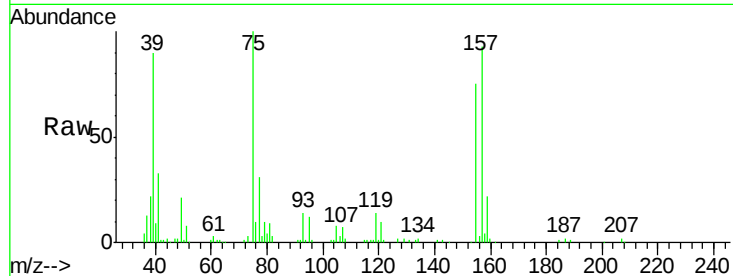
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.612 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	71.5	38.3	114.8
157	92.5	48.0	144.0

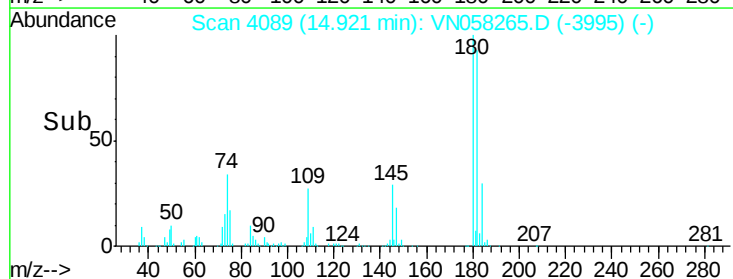
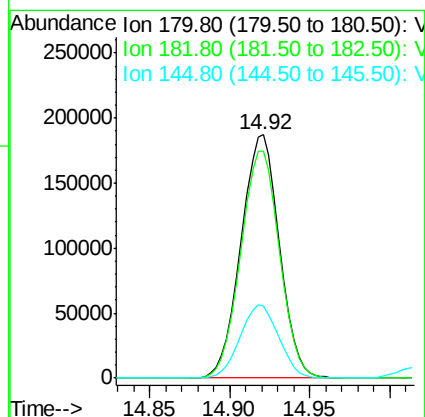
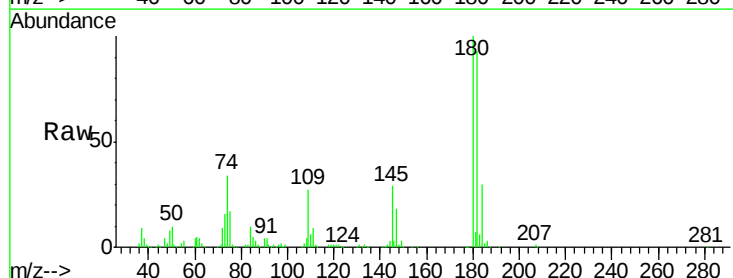
Manual Integrations
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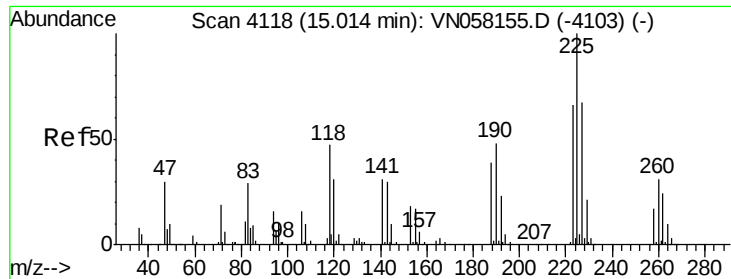
MMDadoda
 9/23/2019 3:30:54 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.031 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	30.3	15.4	46.4





#94

Hexachlorobutadiene

Concen: 45.708 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Instrument :

MSVOA_N

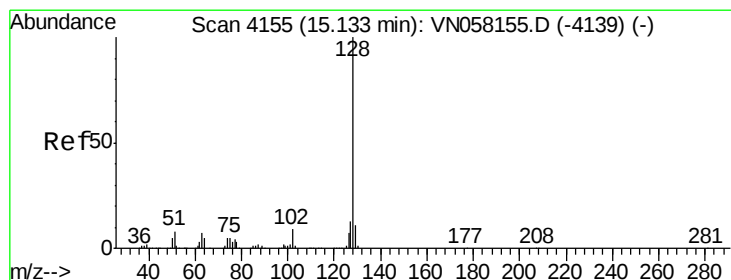
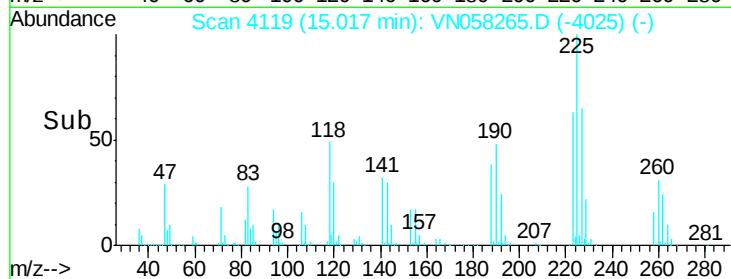
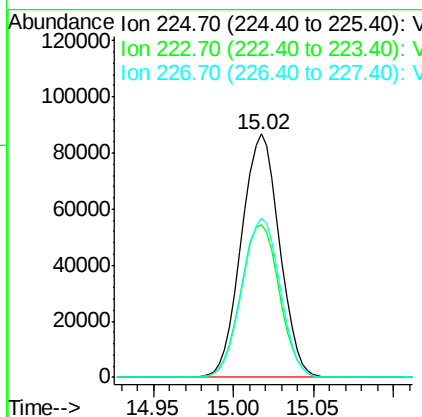
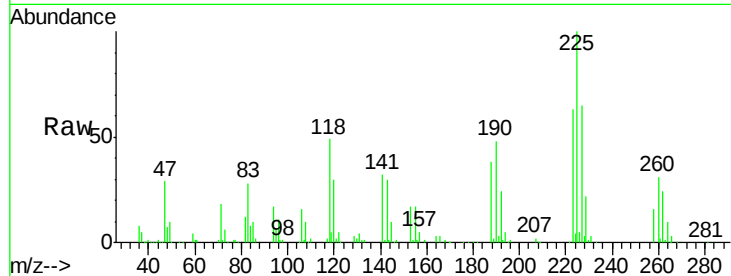
ClientSampleId :

RE132D2-20190916MS

Tot Ion:	225	Resp:	140767
Ion Ratio		Lower	Upper
225	100		
223	63.6	32.6	97.7
227	65.4	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:54 PM



#95

Naphthalene

Concen: 51.858 ug/l

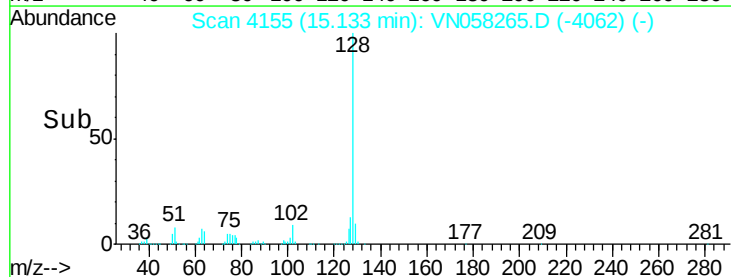
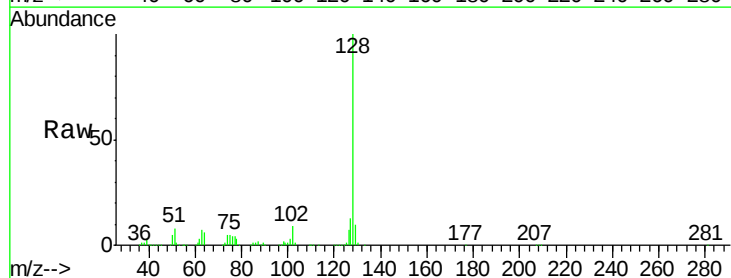
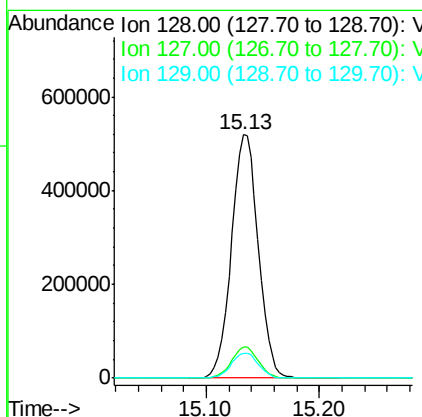
RT: 15.13 min Scan# 4155

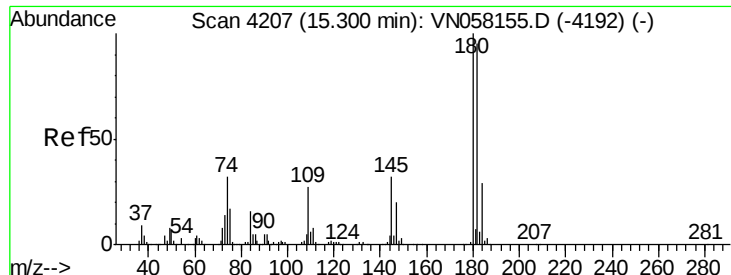
Delta R.T. -0.00 min

Lab File: VN058265.D

Acq: 20 Sep 2019 20:45

Tgt Ion:	128	Resp:	856326
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.5	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 48.318 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058265.D
 Acq: 20 Sep 2019 20:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.4	142.2
145	32.1	16.1	48.2

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:54 PM

