

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058266.D
 Acq On : 20 Sep 2019 21:07
 Operator : JC/SP
 Sample : K4974-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:59 PM

Quant Time: Sep 23 07:33:27 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	447710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	774793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	707890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355053	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.57	113	256015	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.08	98	997248	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.41	95	363107	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	181147	49.254	ug/l	98
3) Chloromethane	2.03	50	149749	52.883	ug/l	98
4) Vinyl Chloride	2.17	62	160905	51.939	ug/l	99
5) Bromomethane	2.54	94	83587	50.922	ug/l	98
6) Chloroethane	2.68	64	108220	54.661	ug/l	97
7) Trichlorofluoromethane	3.00	101	239956	47.799	ug/l	98
8) Diethyl Ether	3.39	74	115171	50.070	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	187591	51.829	ug/l	99
10) Methyl Iodide	3.93	142	151454	49.938	ug/l	99
11) Tert butyl alcohol	4.76	59	229487	309.384	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141937	51.687	ug/l	99
13) Acrolein	3.59	56	39268	357.224	ug/l	95
14) Allyl chloride	4.30	41	298350m	50.375	ug/l	
15) Acrylonitrile	4.96	53	586650	296.851	ug/l	100
16) Acetone	3.80	43	525439	248.240	ug/l	98
17) Carbon Disulfide	4.03	76	180054	46.589	ug/l	99
18) Methyl Acetate	4.30	43	295201	53.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	740462	54.241	ug/l	100
20) Methylene Chloride	4.53	84	199742	53.917	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	150252	50.202	ug/l	99
22) Diisopropyl ether	5.93	45	810937	53.903	ug/l	98
23) Vinyl Acetate	5.87	43	2823144	274.243	ug/l	100
24) 1,1-Dichloroethane	5.83	63	417001	51.933	ug/l	99
25) 2-Butanone	6.81	43	821891	285.014	ug/l	98
26) 2,2-Dichloropropane	6.81	77	288580	42.364	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	236568	52.106	ug/l	99
28) Bromochloromethane	7.18	49	215715	56.790	ug/l	99
29) Tetrahydrofuran	7.19	42	513581	289.134	ug/l	100
30) Chloroform	7.36	83	447652	51.793	ug/l	100
31) Cyclohexane	7.64	56	261756	50.454	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	352235	53.533	ug/l	99
36) 1,1-Dichloropropene	7.78	75	254010	45.461	ug/l	99
37) Ethyl Acetate	6.91	43	307259	52.989	ug/l	99
38) Carbon Tetrachloride	7.76	117	273692	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	255675	47.331	ug/l	99
40) Benzene	8.03	78	842392	49.361	ug/l	100
41) Methacrylonitrile	7.16	41	144491m	49.474	ug/l	
42) 1,2-Dichloroethane	8.11	62	357499	49.923	ug/l	100
43) Isopropyl Acetate	8.15	43	540909	49.948	ug/l	99
44) Trichloroethene	8.82	130	214808	51.436	ug/l	99
45) 1,2-Dichloropropane	9.11	63	266665	52.323	ug/l	97
46) Dibromomethane	9.20	93	158315	51.093	ug/l	99
47) Bromodichloromethane	9.40	83	345249	53.185	ug/l	100
48) Methyl methacrylate	9.19	41	275302	55.990	ug/l	99
49) 1,4-Dioxane	9.19	88	92682	1148.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1786618	310.605	ug/l	99
52) Toluene	10.15	92	532560	49.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352325	52.985	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373927	50.933	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257882	54.333	ug/l	99
56) Ethyl methacrylate	10.43	69	380204	55.519	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427489	52.391	ug/l	99
59) 2-Hexanone	10.75	43	1300045	304.318	ug/l	100
60) Dibromochloromethane	10.90	129	253804	55.583	ug/l	99
61) 1,2-Dibromoethane	11.00	107	235211	53.474	ug/l	99
64) Tetrachloroethene	10.63	164	155488	45.059	ug/l	99
65) Chlorobenzene	11.44	112	619154	49.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243892	54.020	ug/l	99
67) Ethyl Benzene	11.51	91	1109370	51.998	ug/l	99
68) m/p-Xylenes	11.62	106	805273	100.215	ug/l	97
69) o-Xylene	11.95	106	414483	52.459	ug/l	97
70) Stvrene	11.97	104	712508	52.338	ug/l	99
71) Bromoform	12.13	173	162262	48.585	ug/l #	99
73) Isopropylbenzene	12.25	105	1159321	53.524	ug/l	99
74) N-amyl acetate	12.07	43	502263	55.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398706	54.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	371108m	59.923	ug/l	
77) Bromobenzene	12.53	156	273247	50.152	ug/l	98
78) n-propylbenzene	12.60	91	1352501	54.950	ug/l	99
79) 2-Chlorotoluene	12.68	91	809277	52.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	986126	53.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	99389	48.023	ug/l	98
82) 4-Chlorotoluene	12.78	91	840063	51.953	ug/l	99
83) tert-Butylbenzene	13.00	119	869457	53.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1003274	55.042	ug/l	100
85) sec-Butylbenzene	13.18	105	1176333	55.074	ug/l	100
86) p-Isopropyltoluene	13.30	119	1043594	54.959	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	519679	52.222	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512724	50.467	ug/l	99
89) n-Butylbenzene	13.62	91	940134	52.221	ug/l	100
90) Hexachloroethane	13.88	117	166769	50.079	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	530987	53.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75755	58.012	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	321777	50.451	ug/l	100

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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	143698	46.614	ug/l	99
95) Naphthalene	15.13	128	958863	58.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	311276	51.636	ug/l	98

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

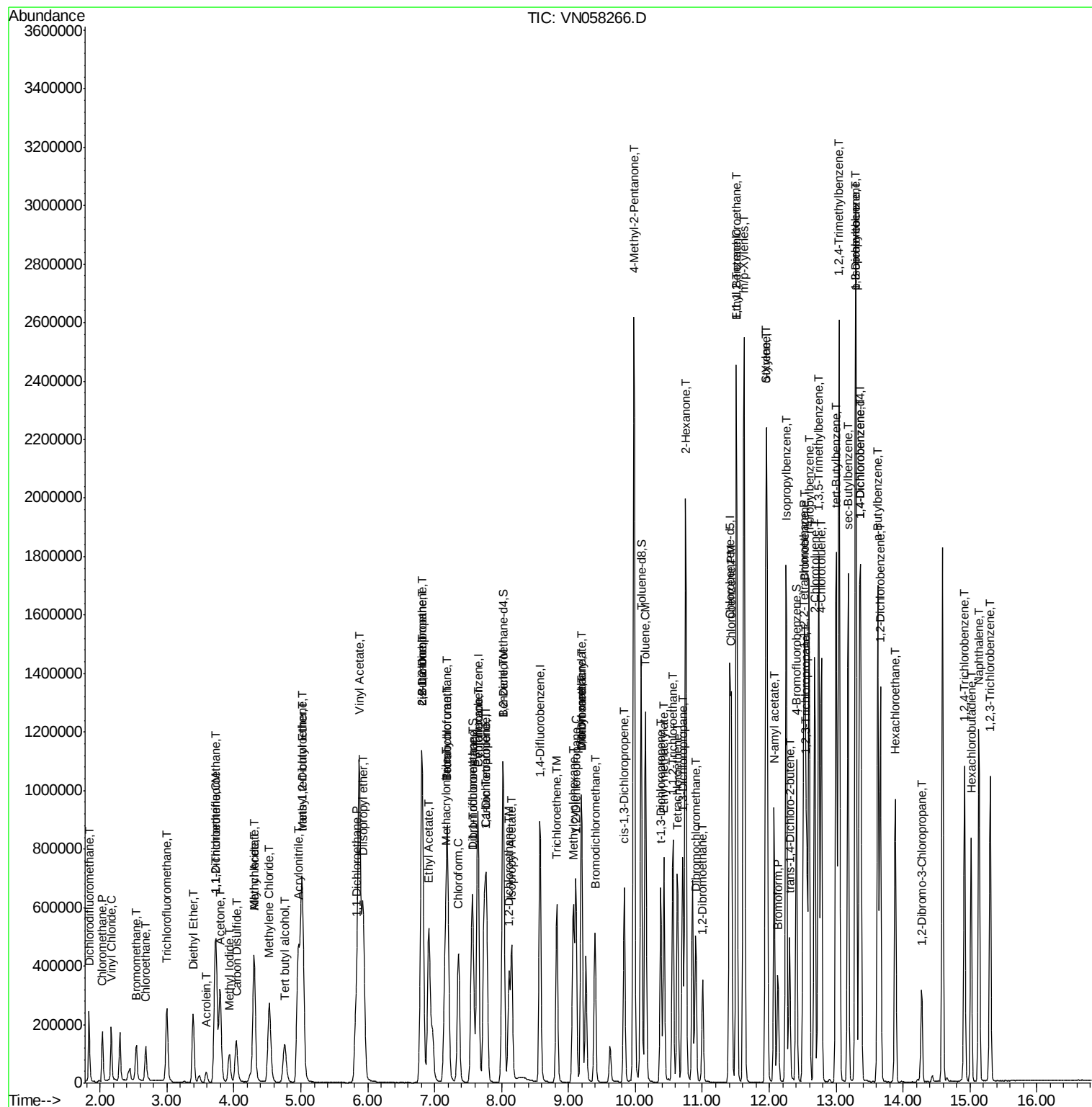
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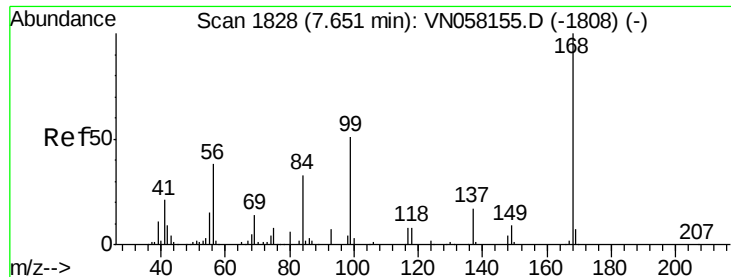
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:168 Resp: 447710

Ion Ratio Lower Upper

168 100

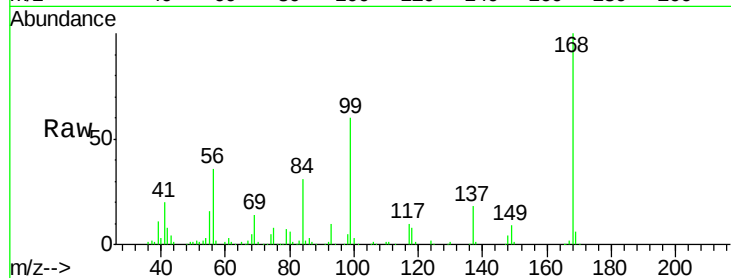
99 59.5 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

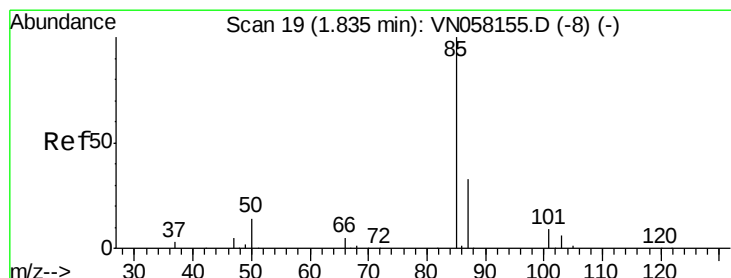
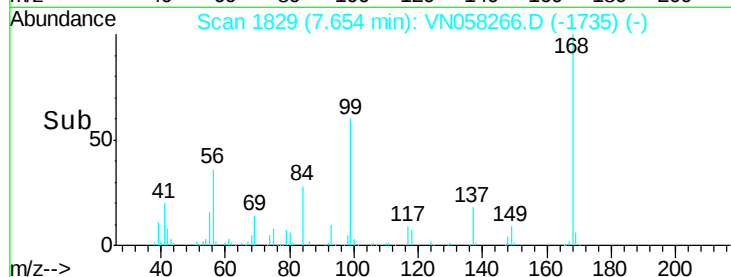
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.254 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058266.D

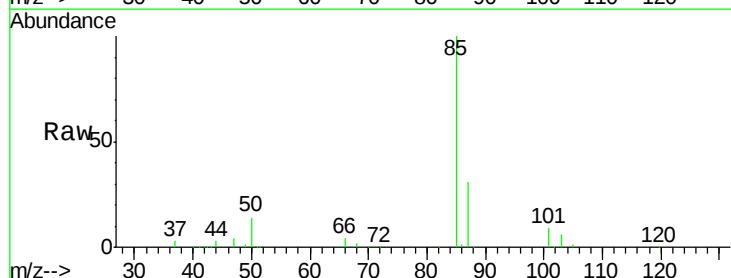
Acq: 20 Sep 2019 21:07

Tgt Ion: 85 Resp: 181147

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

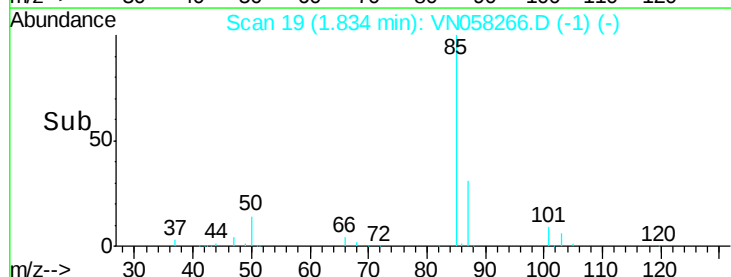
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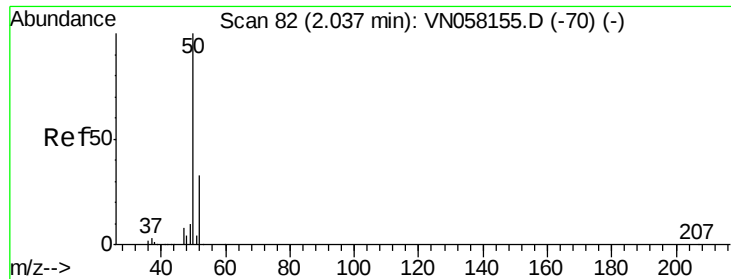
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 52.883 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 50 Resp: 149749

Ion Ratio Lower Upper

50 100

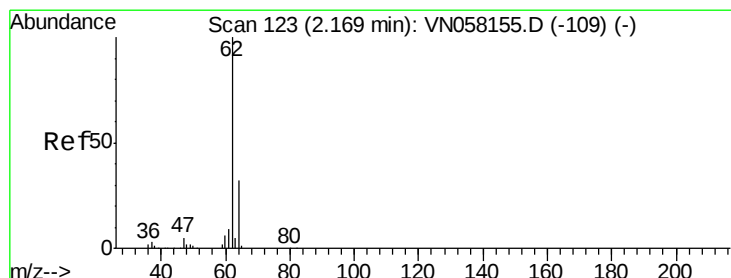
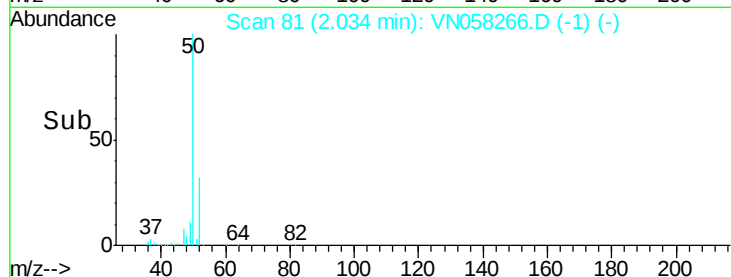
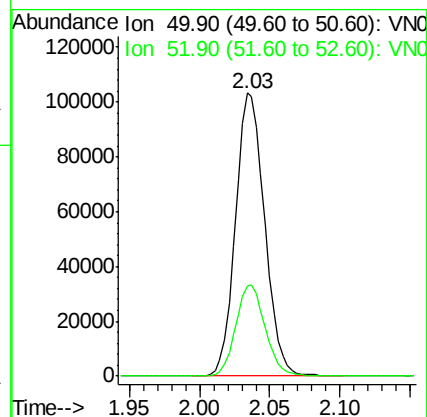
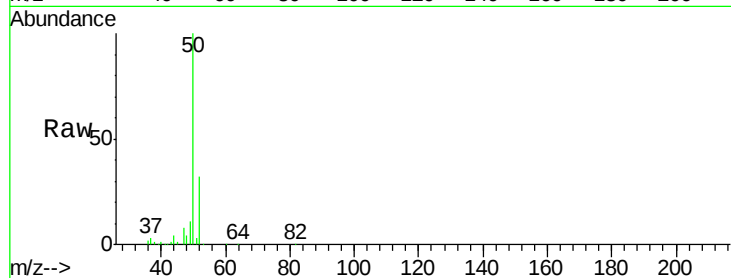
52 32.0 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.939 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058266.D

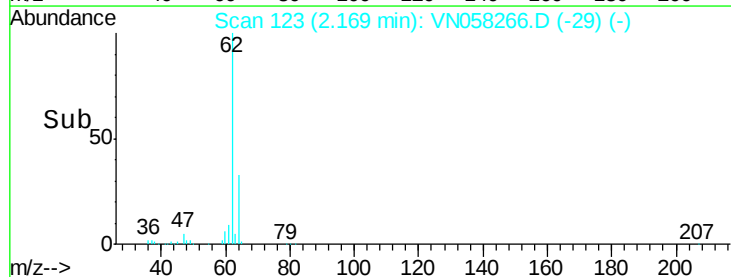
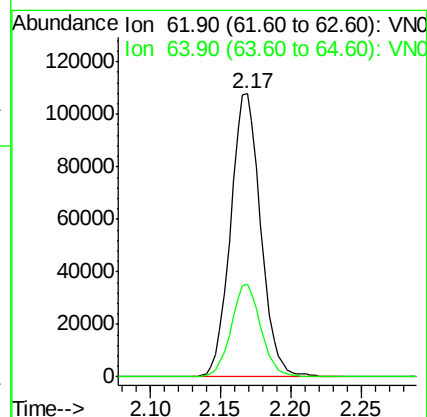
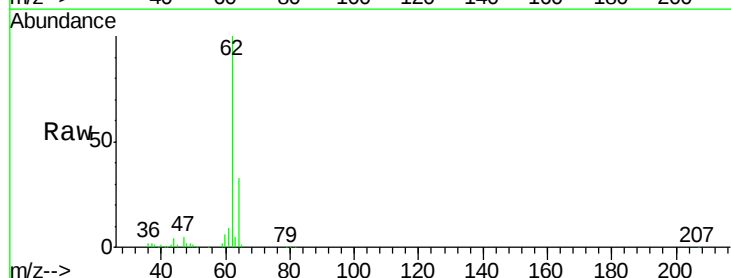
Acq: 20 Sep 2019 21:07

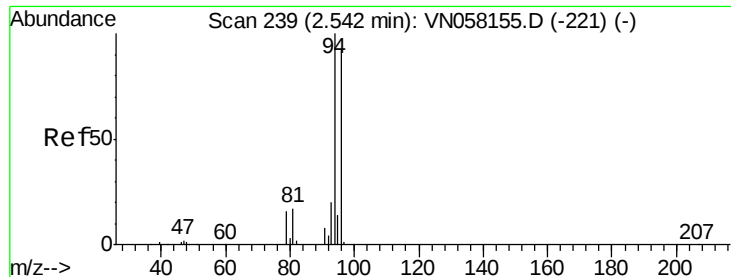
Tgt Ion: 62 Resp: 160905

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 50.922 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 94 Resp: 83587

Ion Ratio Lower Upper

94 100

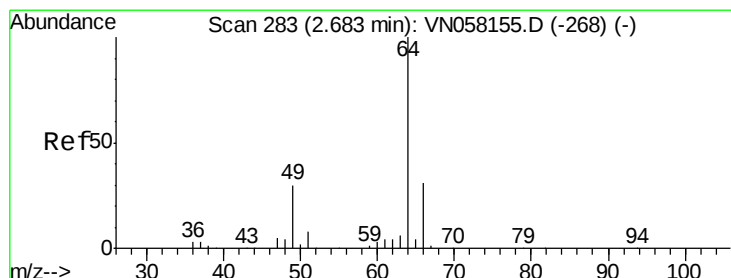
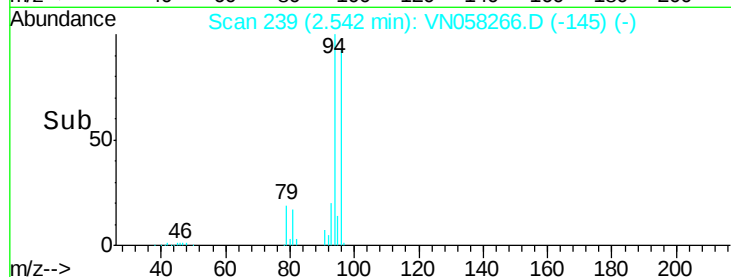
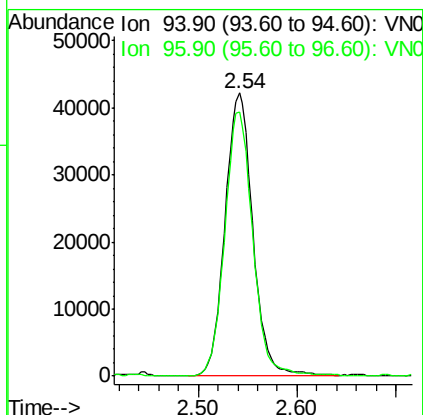
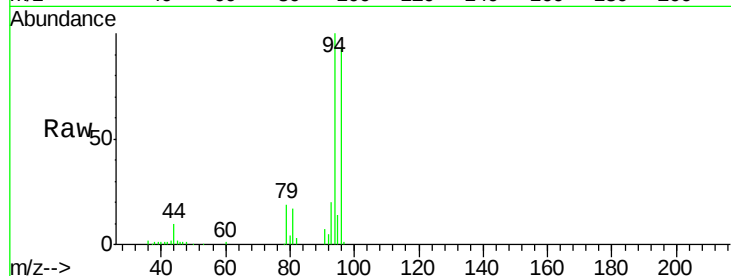
96 93.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 54.661 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058266.D

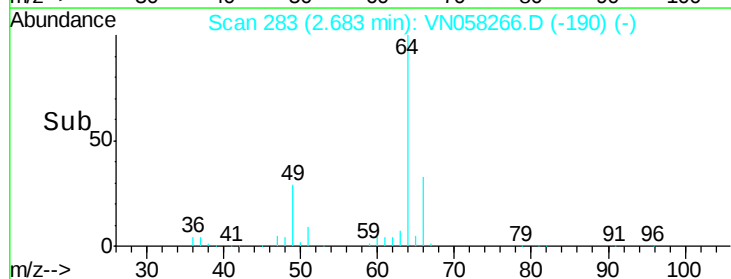
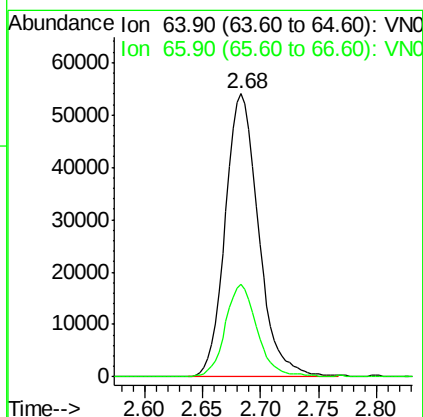
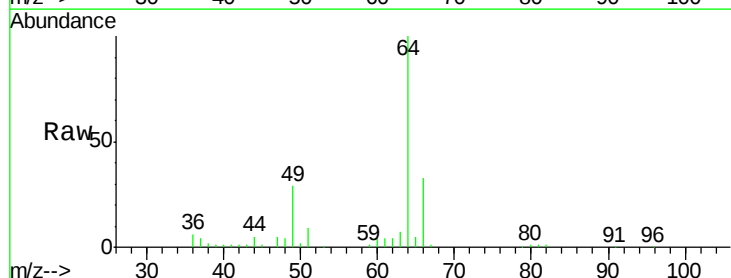
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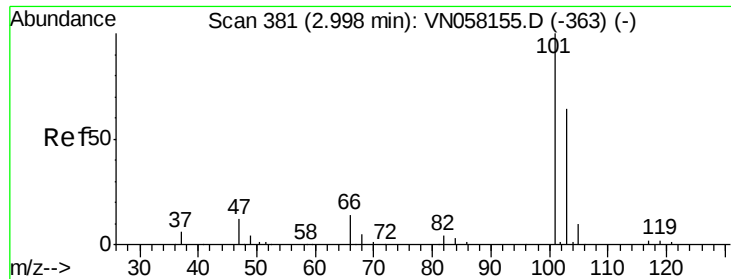
Tgt Ion: 64 Resp: 108220

Ion Ratio Lower Upper

64 100

66 32.6 24.6 37.0





#7

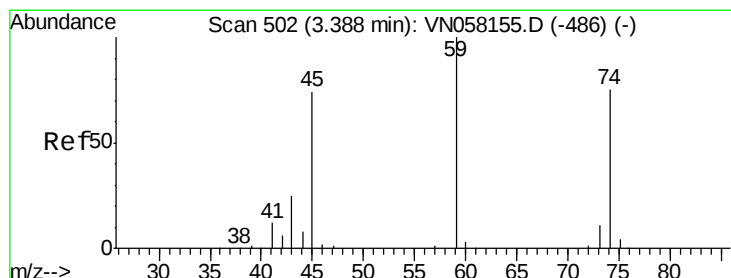
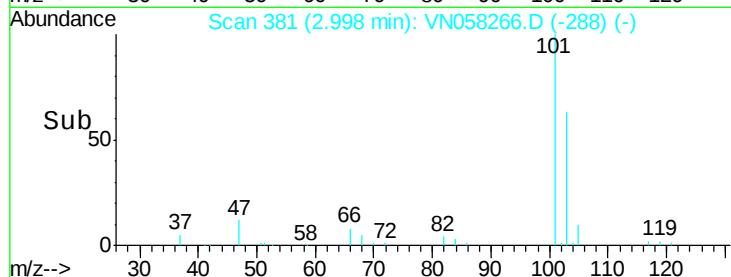
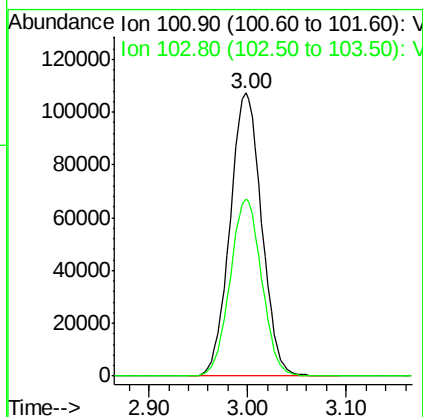
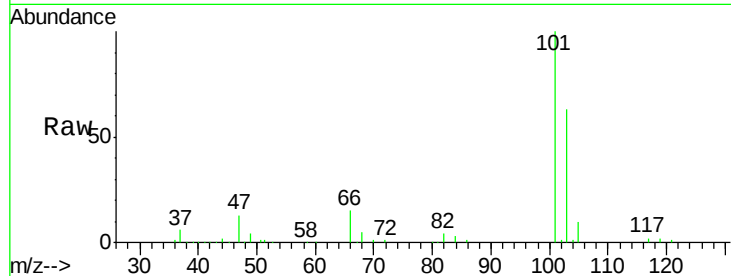
Trichlorofluoromethane
 Concen: 47.799 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	239956		
103	62.6	51.0	76.6	

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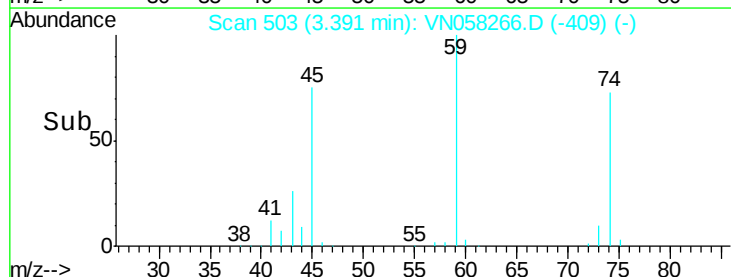
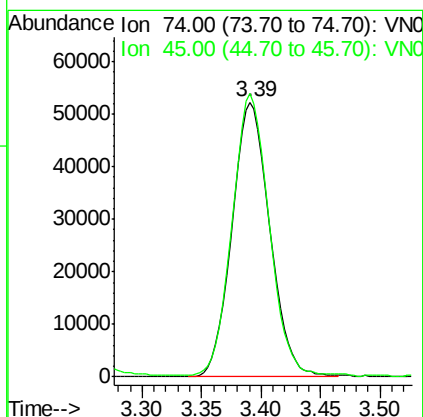
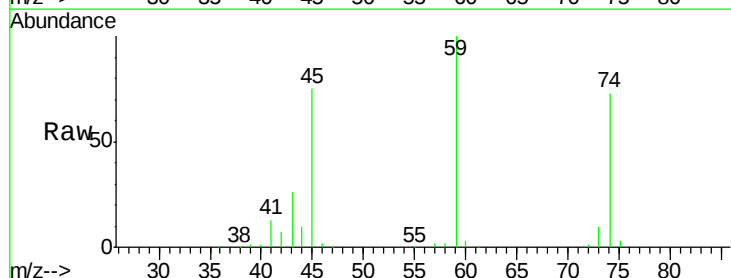
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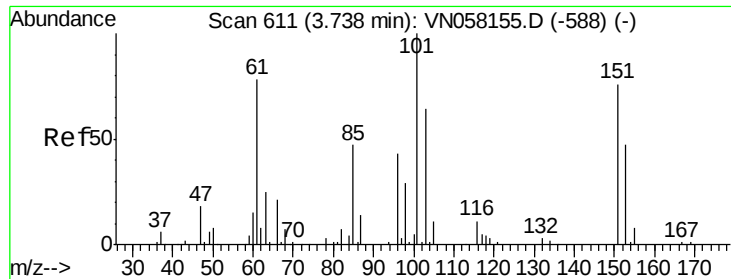


#8

Diethyl Ether
 Concen: 50.070 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058266.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	115171		
45	99.7	48.5	145.5	





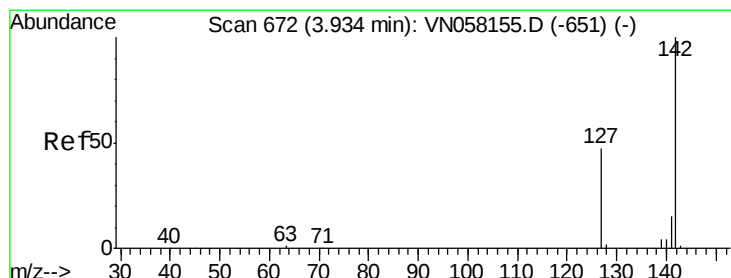
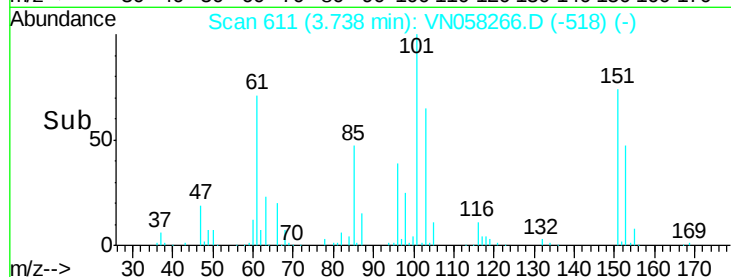
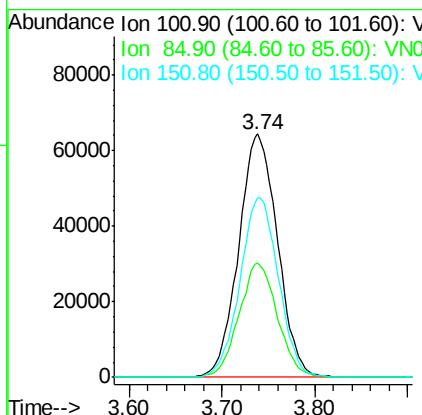
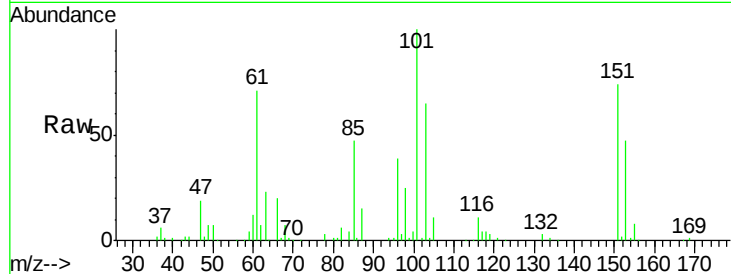
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.829 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.3	55.9
151	73.2	59.6	89.4

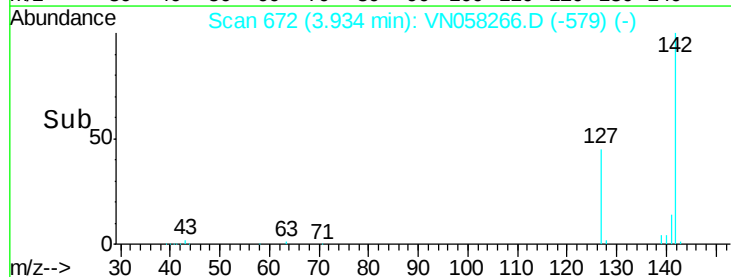
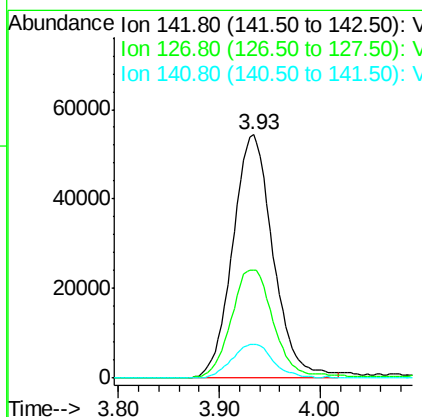
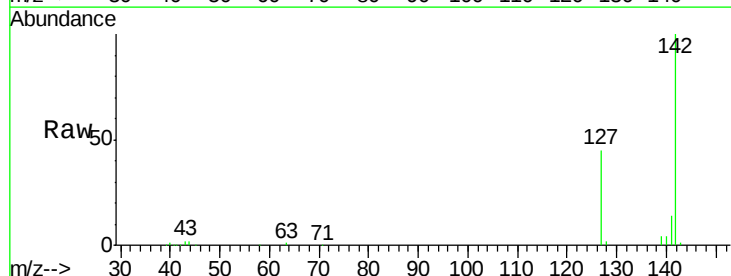
Manual Integrations
 APPROVED

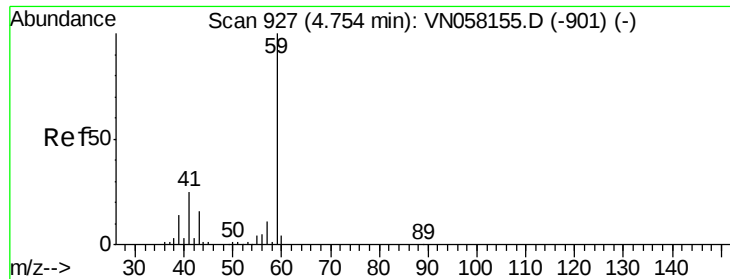
MMDadoda
 9/23/2019 3:30:59 PM



#10
 Methyl Iodide
 Concen: 49.938 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.0	37.5	56.3
141	14.2	11.4	17.2





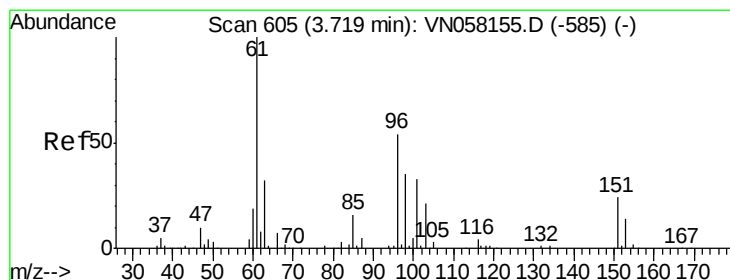
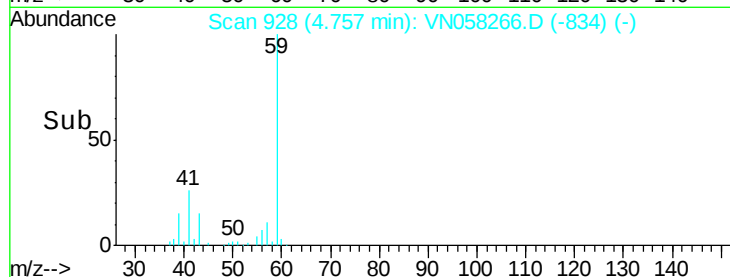
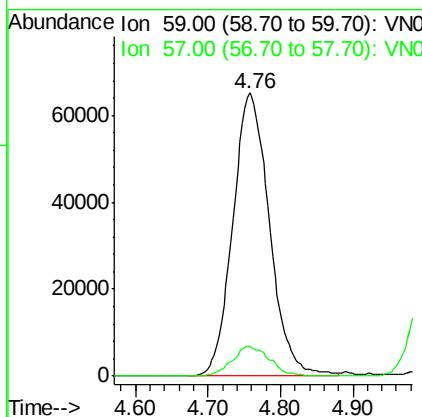
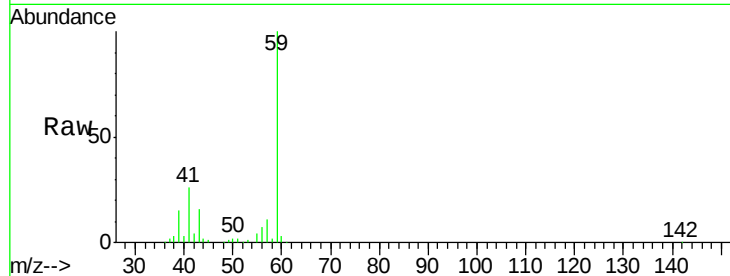
#11
Tert butyl alcohol
Concen: 309.384 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	59	Resp	229487
Ion Ratio	100	Lower	Upper
57	10.8	8.6	13.0

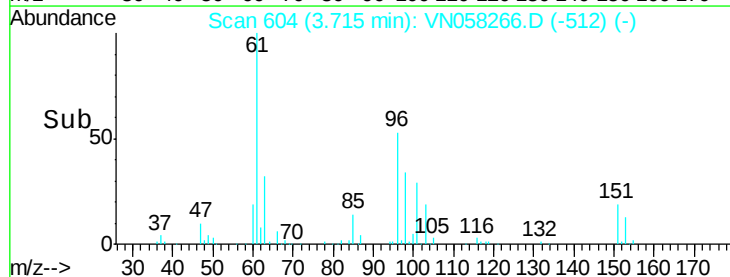
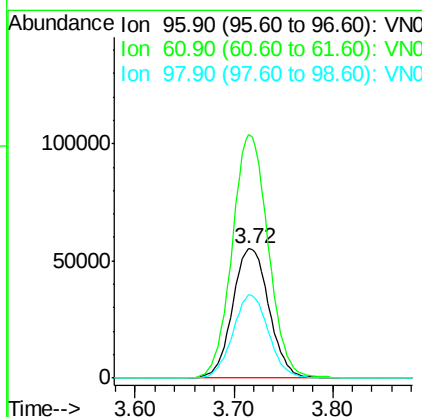
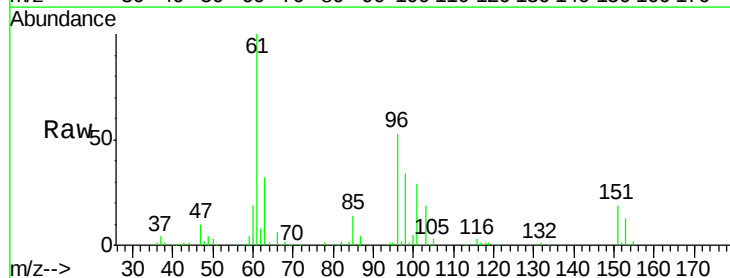
Manual Integrations
APPROVED

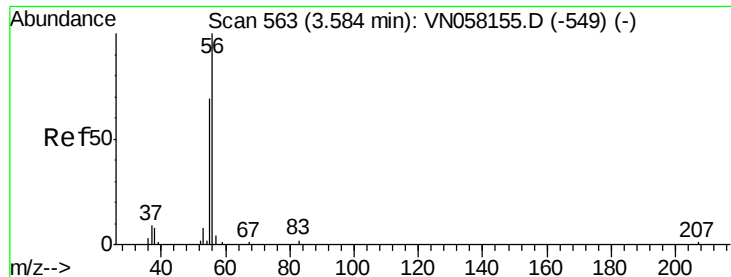
MMDadoda
9/23/2019 3:30:59 PM



#12
1,1-Dichloroethene
Concen: 51.687 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	96	Resp	141937
Ion Ratio	100	Lower	Upper
61	188.4	149.5	224.3
98	64.3	52.4	78.6





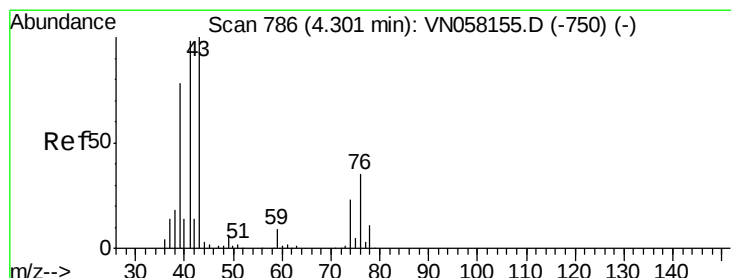
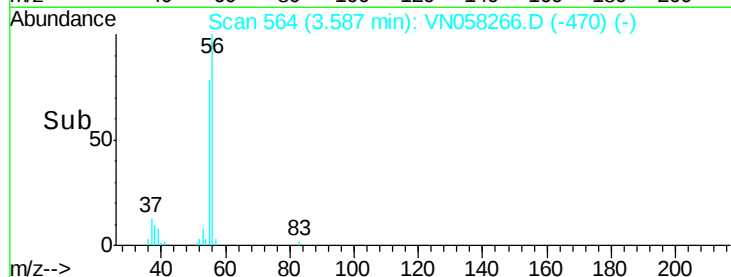
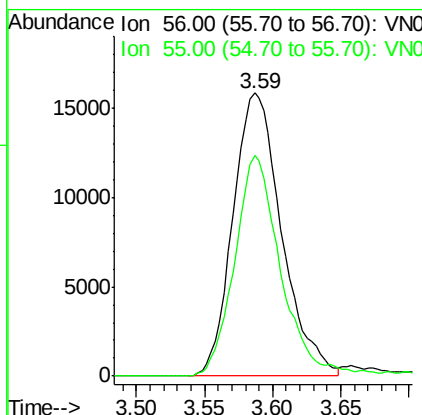
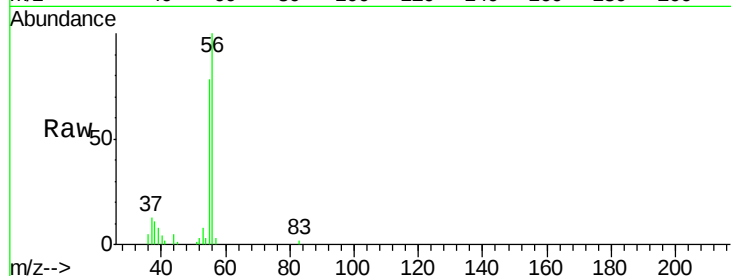
#13
Acrolein
Concen: 357.224 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	56	Resp	39268
Ion Ratio	Lower	Upper	
56	100		
55	73.8	56.1	84.1

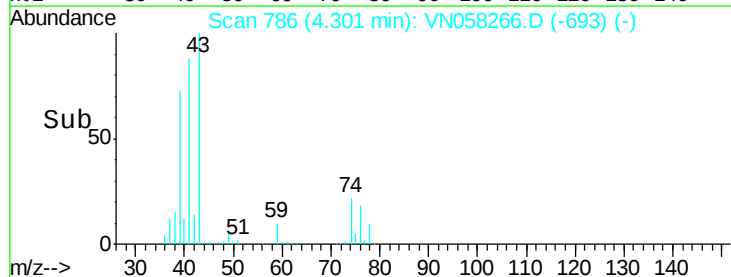
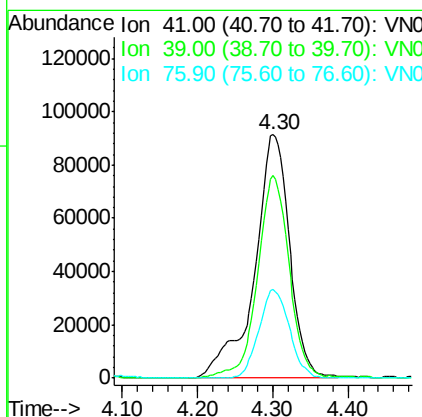
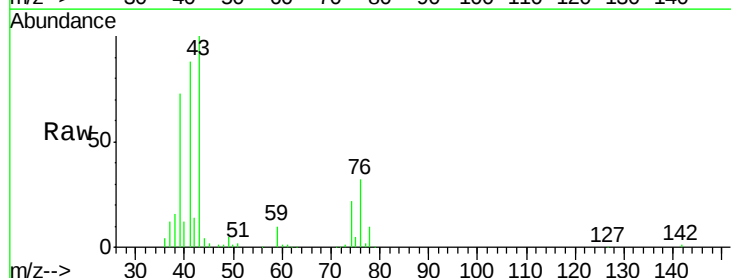
Manual Integrations
APPROVED

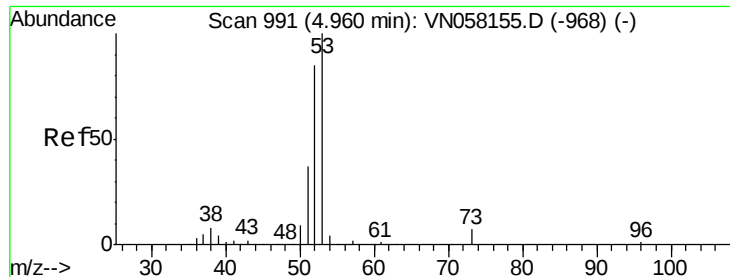
MMDadoda
9/23/2019 3:30:59 PM



#14
Allyl chloride
Concen: 50.375 ug/l m
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	41	Resp	298350
Ion Ratio	Lower	Upper	
41	100		
39	74.6	59.1	88.7
76	31.6	25.1	37.7





#15

Acrylonitrile

Concen: 296.851 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

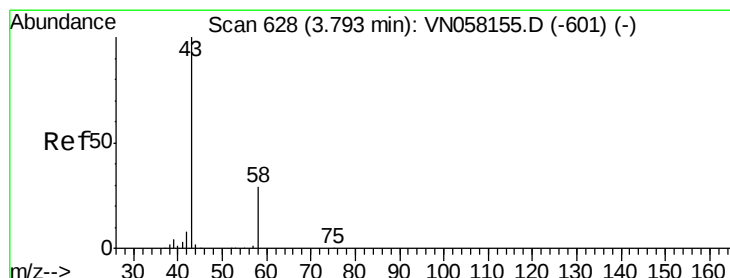
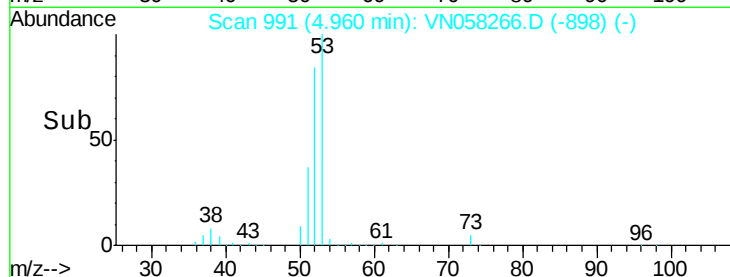
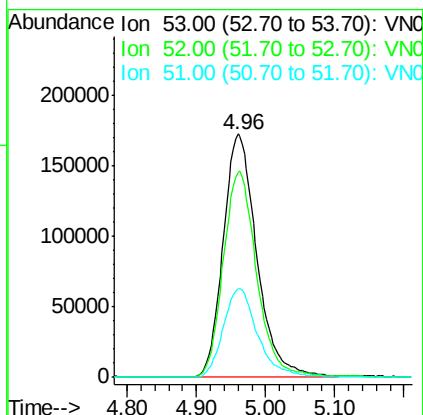
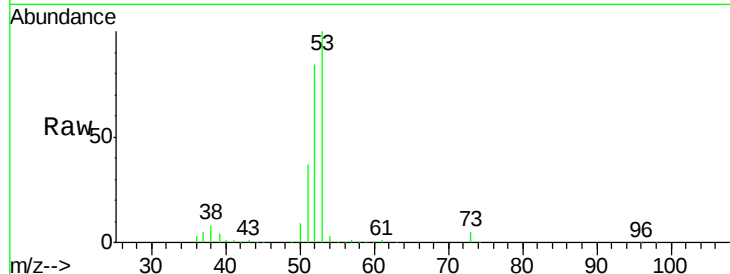
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	53	Resp:	586650
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 248.240 ug/l

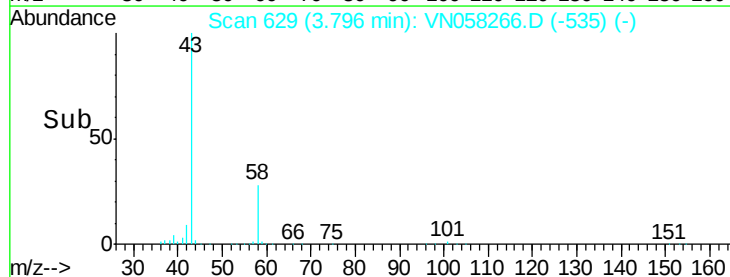
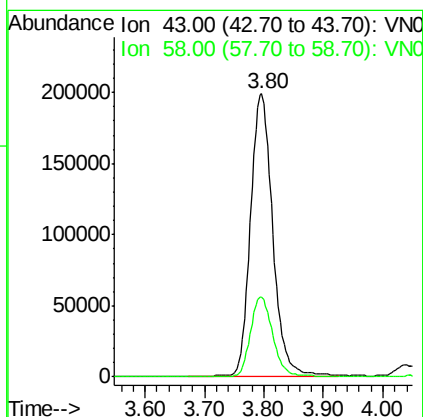
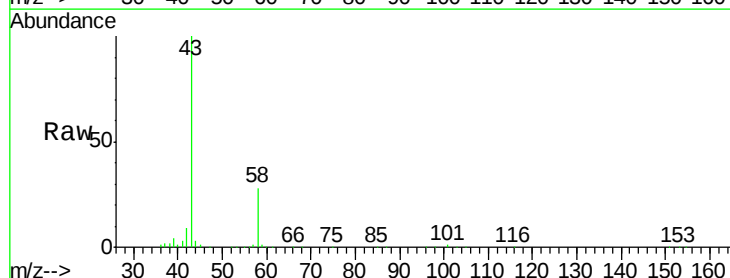
RT: 3.80 min Scan# 629

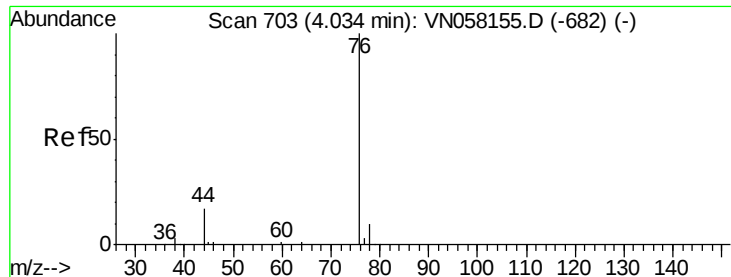
Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	43	Resp:	525439
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.4	35.2





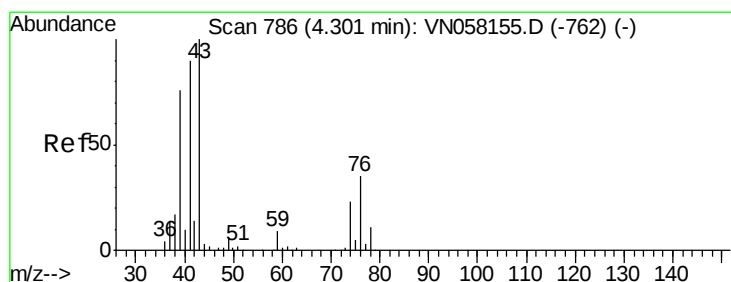
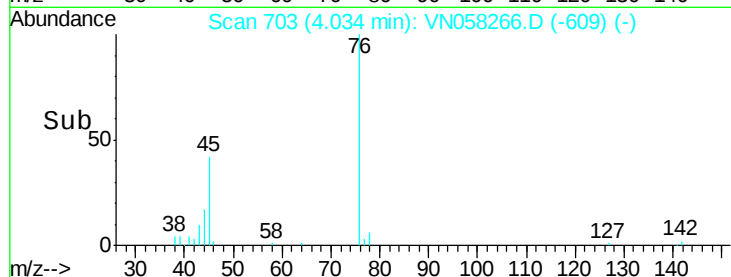
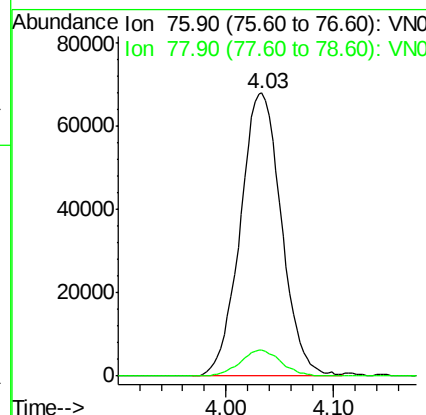
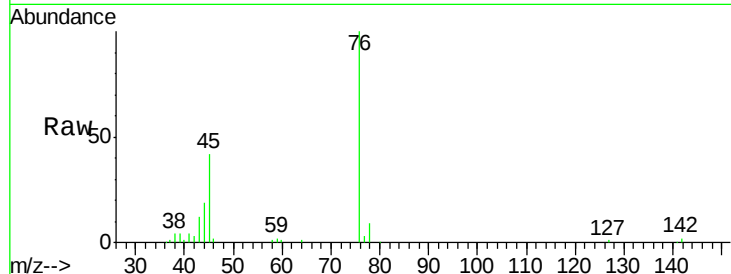
#17
Carbon Disulfide
Concen: 46.589 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.7	11.5

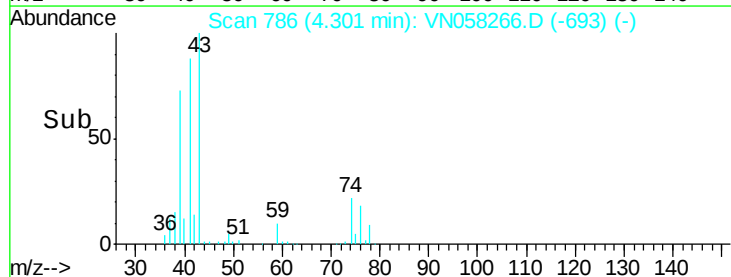
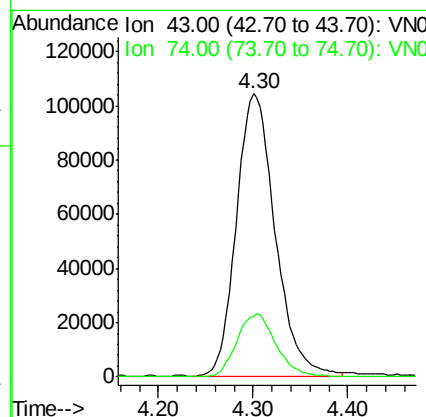
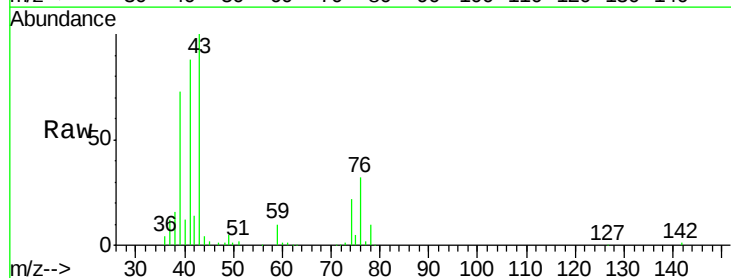
Manual Integrations
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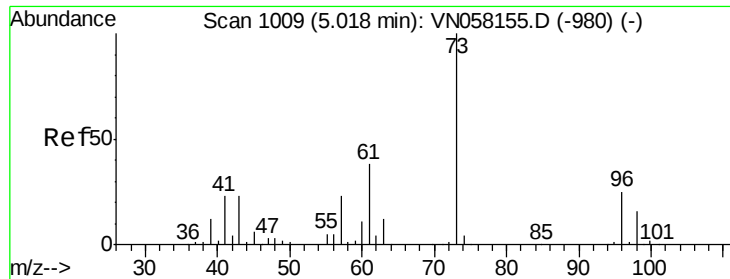
MMDadoda
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#18
Methyl Acetate
Concen: 53.002 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





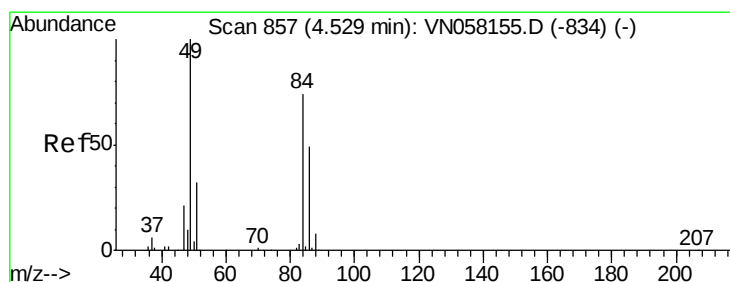
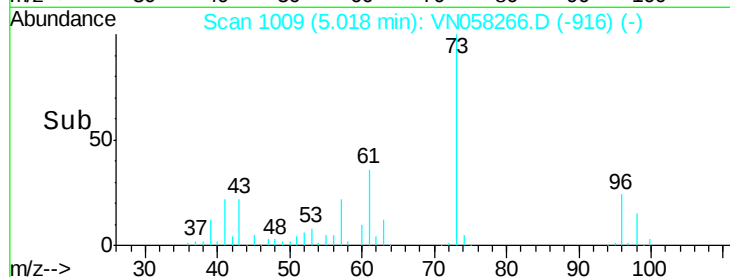
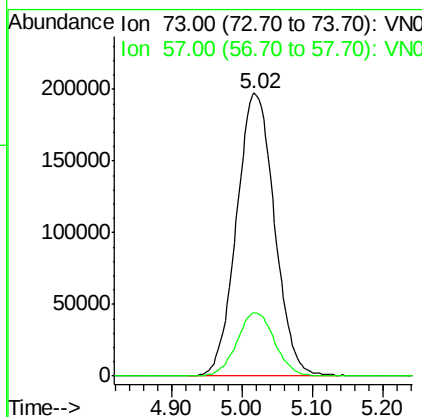
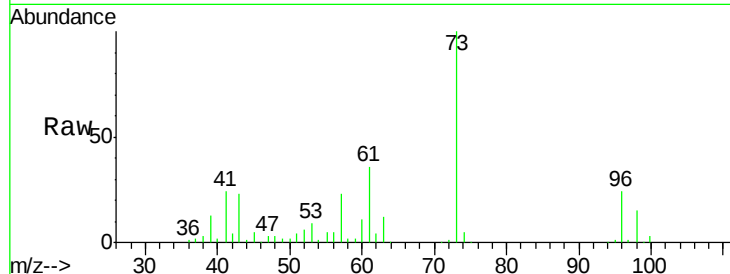
#19
Methvl tert-butvl Ether
Concen: 54.241 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion: 73 Resp: 740462
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1

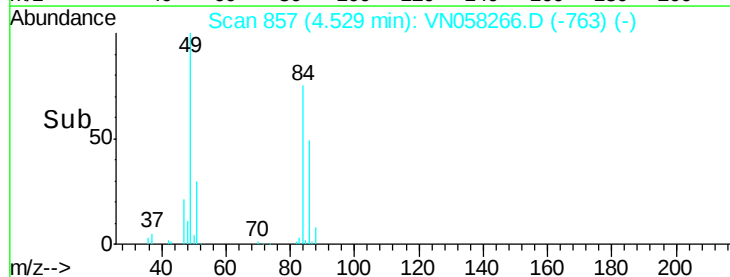
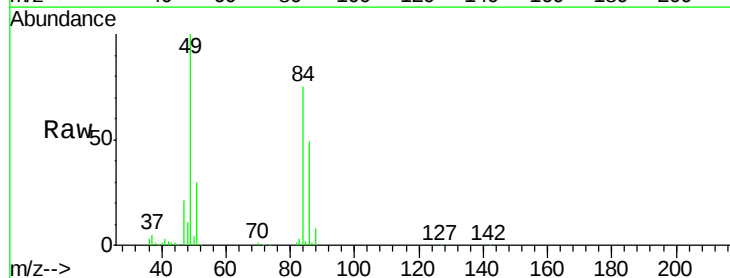
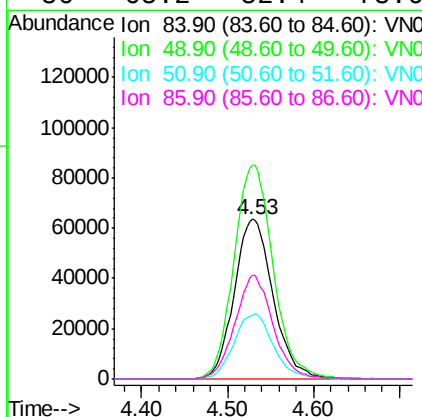
Manual Integrations
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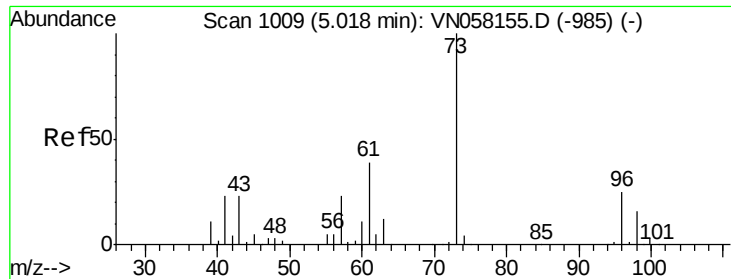
MMDadoda
9/23/2019 3:30:59 PM



#20
Methylene Chloride
Concen: 53.917 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion: 84 Resp: 199742
Ion Ratio Lower Upper
84 100
49 133.9 107.5 161.3
51 40.4 33.9 50.9
86 65.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.202 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

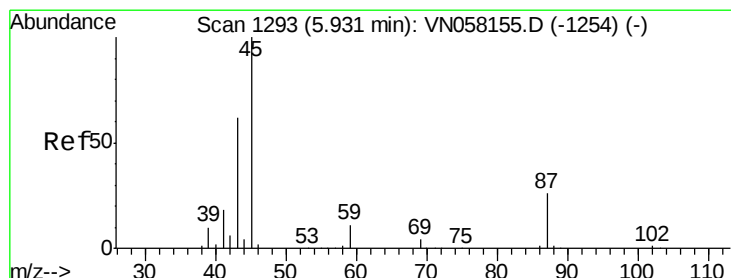
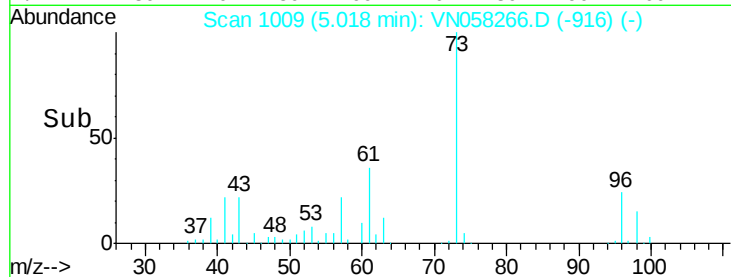
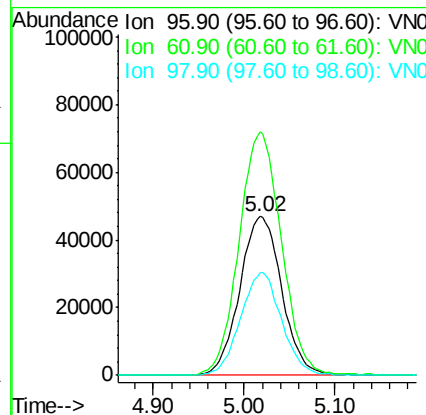
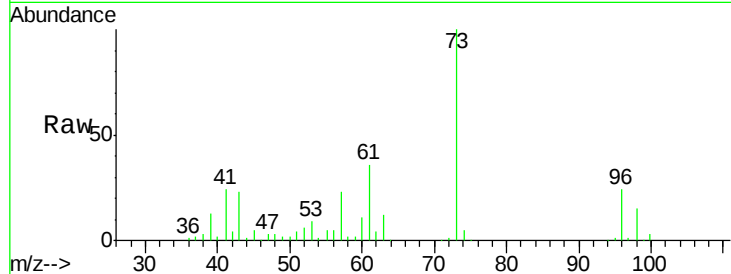
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	96	Resp:	150252
Ion	Ratio	Lower	Upper
96	100		
61	153.3	122.2	183.4
98	64.7	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.903 ug/l

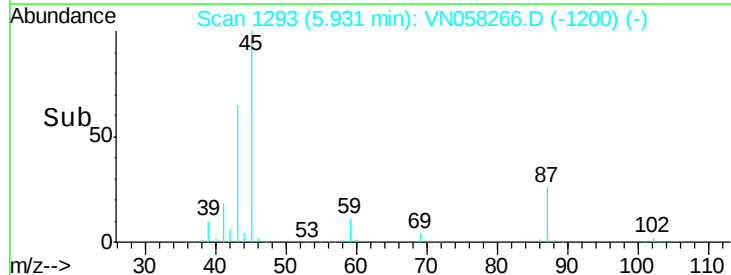
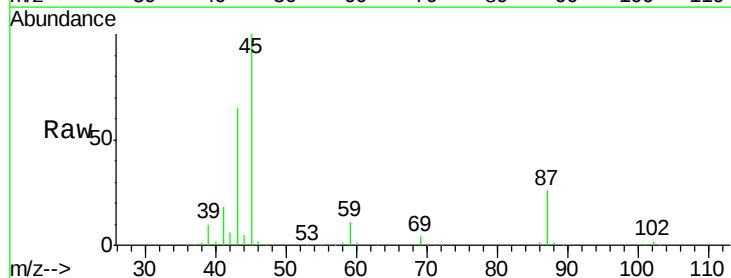
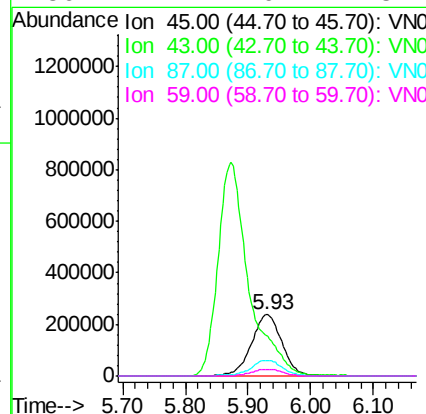
RT: 5.93 min Scan# 1293

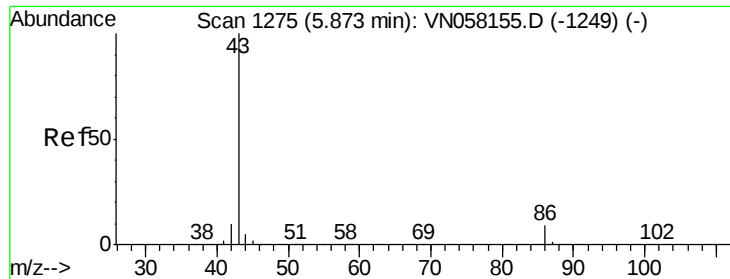
Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	45	Resp:	810937
Ion	Ratio	Lower	Upper
45	100		
43	64.5	49.7	74.5
87	25.8	20.7	31.1
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 274.243 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 43 Resp: 2823144

Ion Ratio Lower Upper

43 100

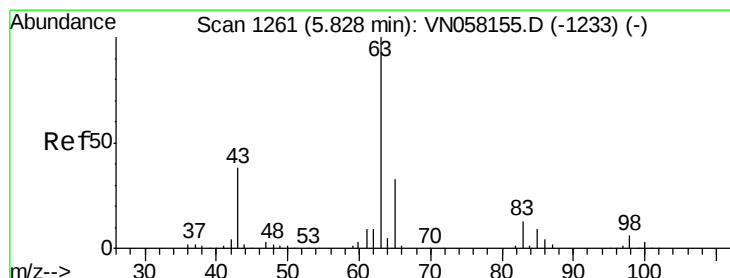
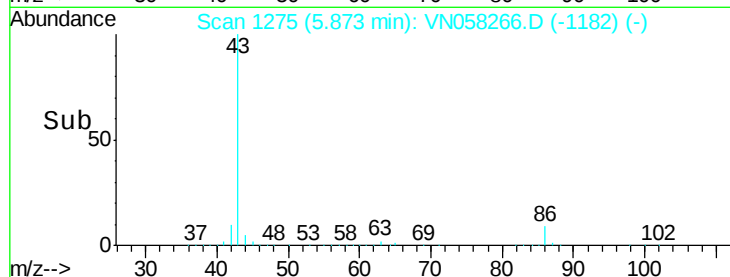
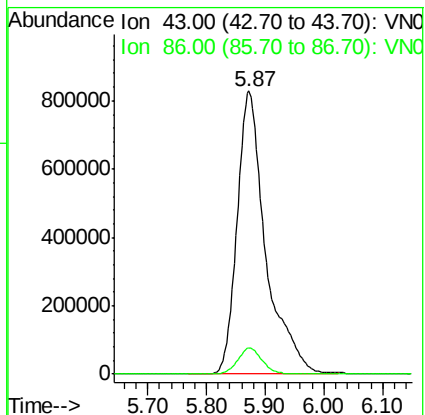
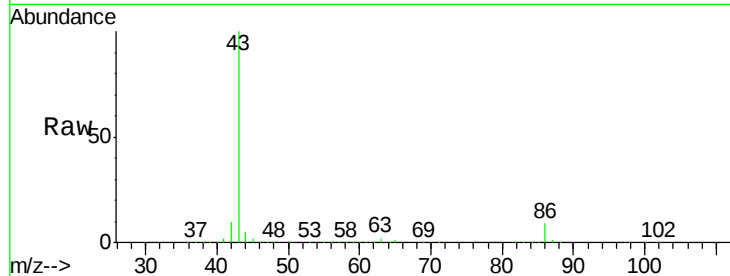
86 9.3 7.4 11.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 51.933 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

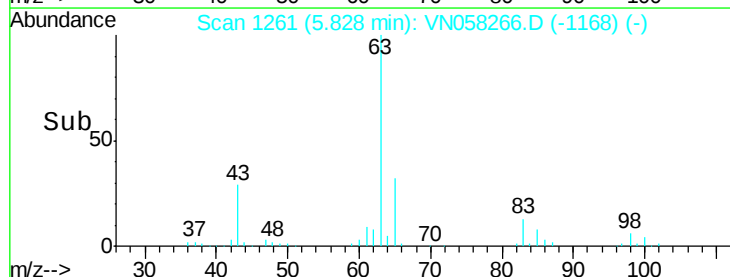
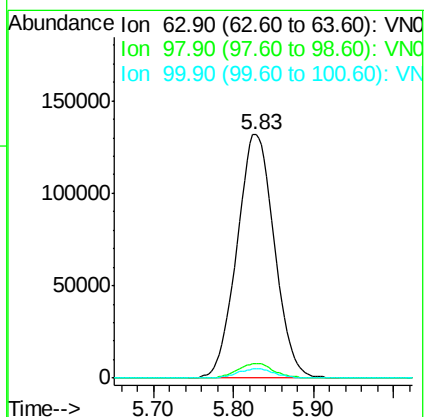
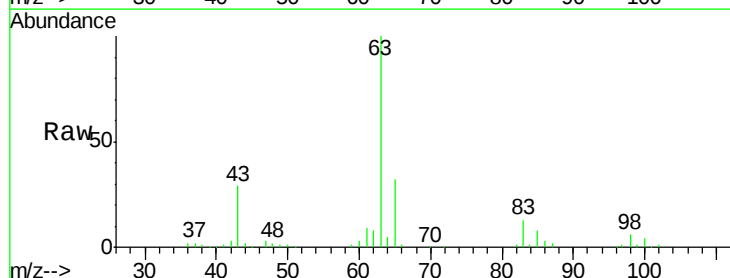
Tgt Ion: 63 Resp: 417001

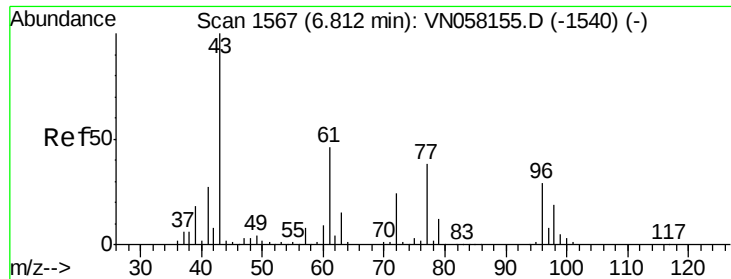
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 285.014 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 43 Resp: 821891

Ion Ratio Lower Upper

43 100

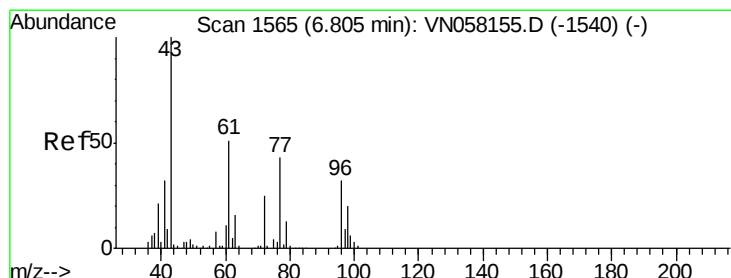
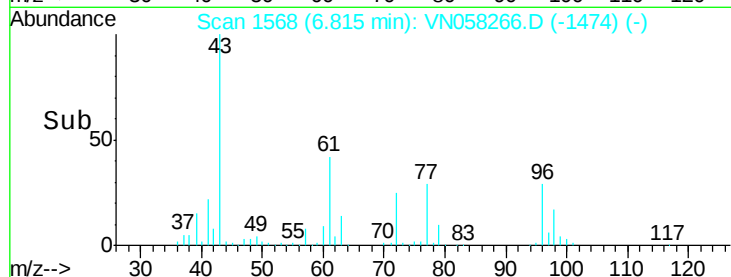
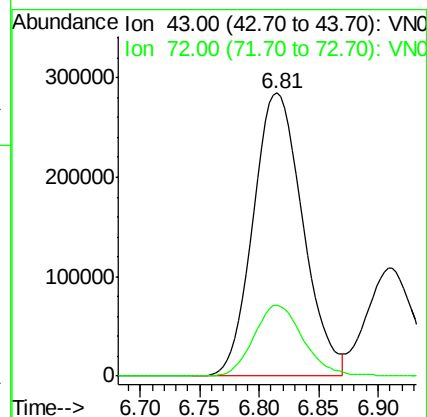
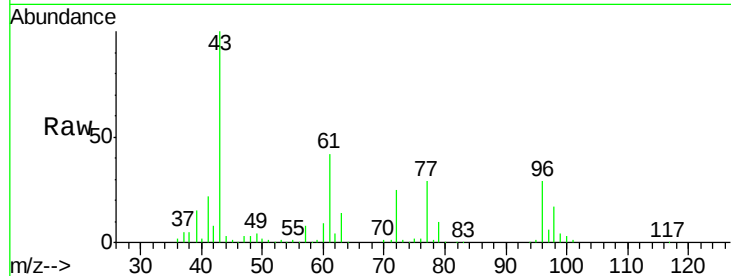
72 25.2 19.5 29.3

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#26

2,2-Dichloropropane

Concen: 42.364 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058266.D

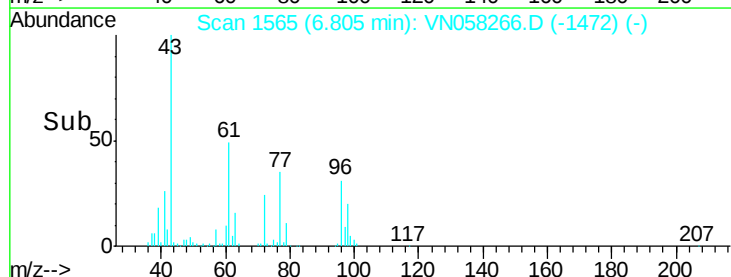
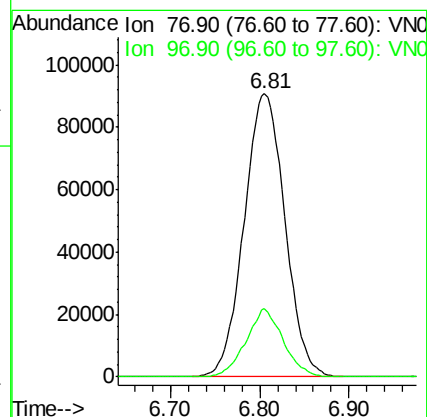
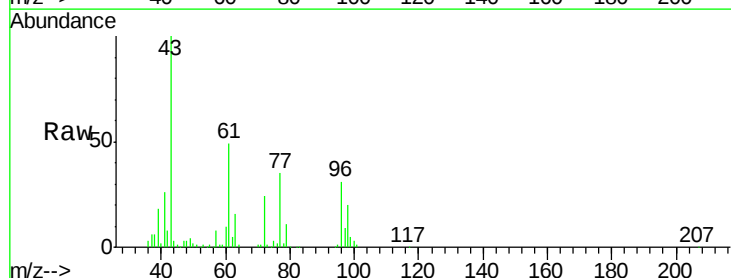
Acq: 20 Sep 2019 21:07

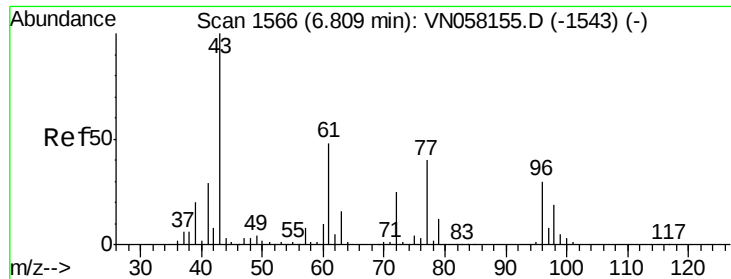
Tgt Ion: 77 Resp: 288580

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 52.106 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

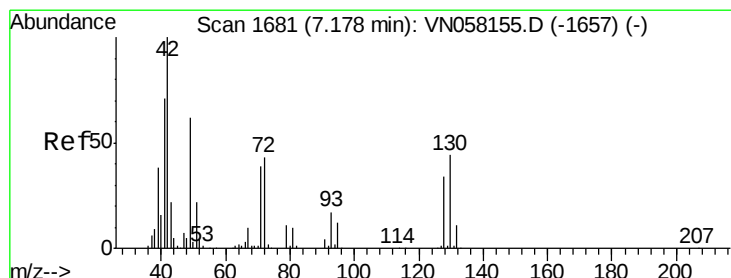
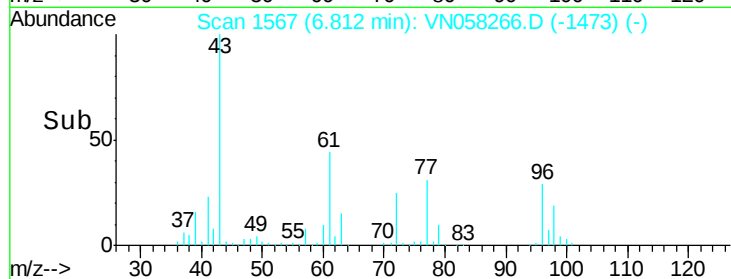
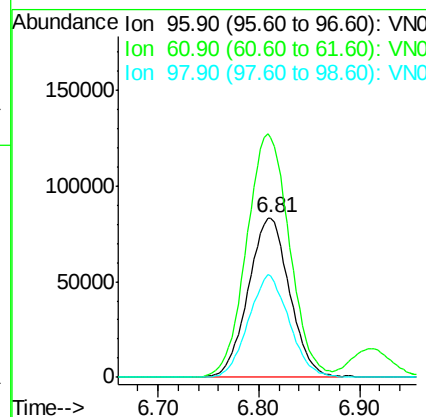
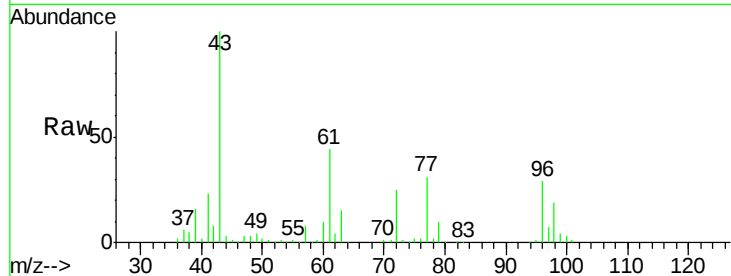
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	96	Resp:	236568
Ion Ratio	Lower	Upper	
96	100		
61	158.2	0.0	319.0
98	63.1	0.0	126.6

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#28

Bromochloromethane

Concen: 56.790 ug/l

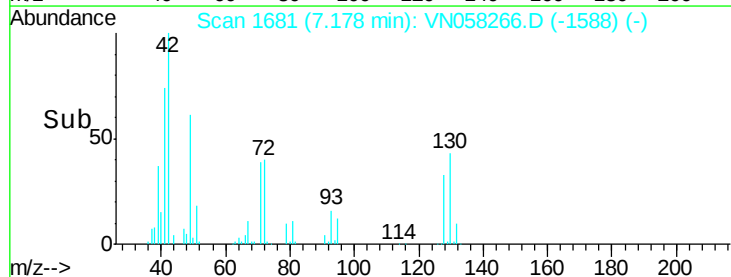
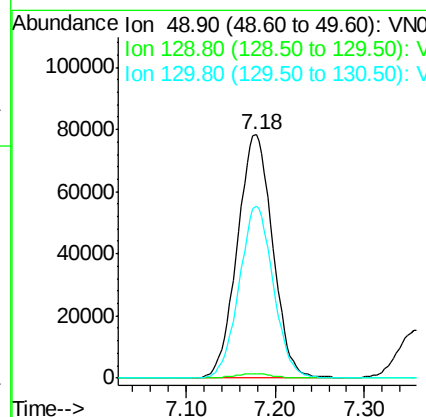
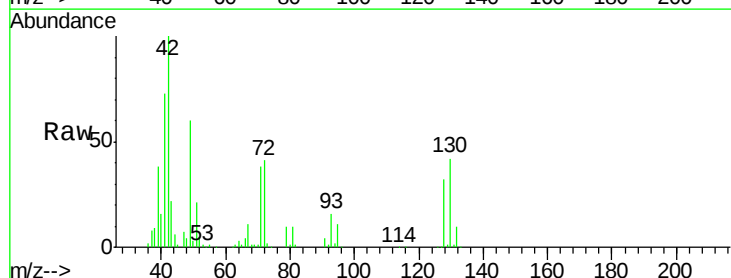
RT: 7.18 min Scan# 1681

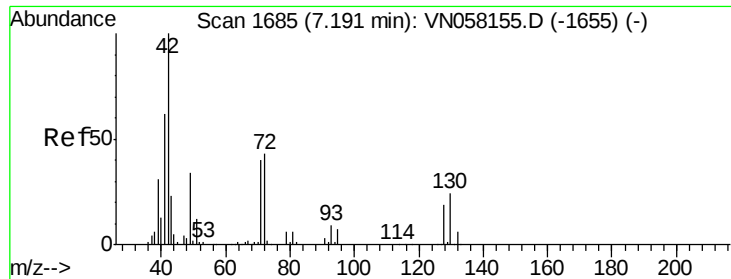
Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	49	Resp:	215715
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	1.8
130	68.2	55.4	83.2





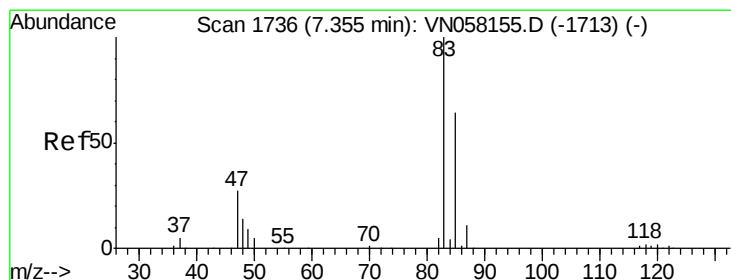
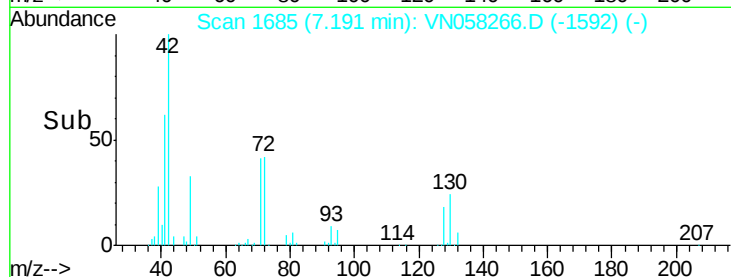
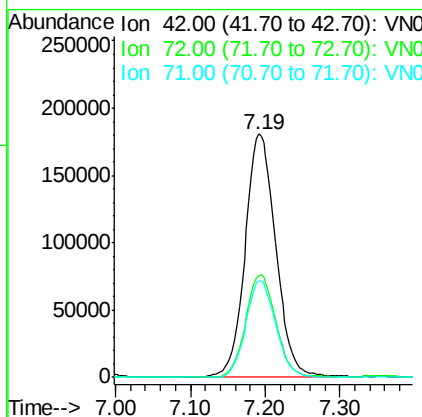
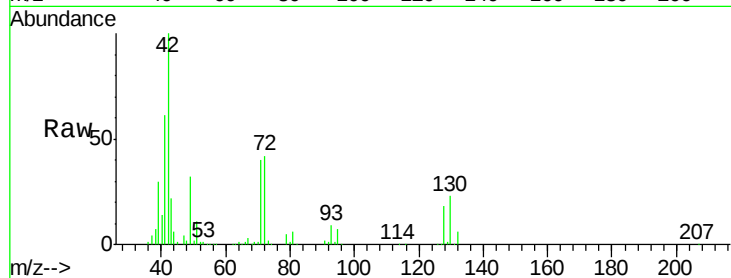
#29
Tetrahydrofuran
Concen: 289.134 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	38.8	31.4	47.0

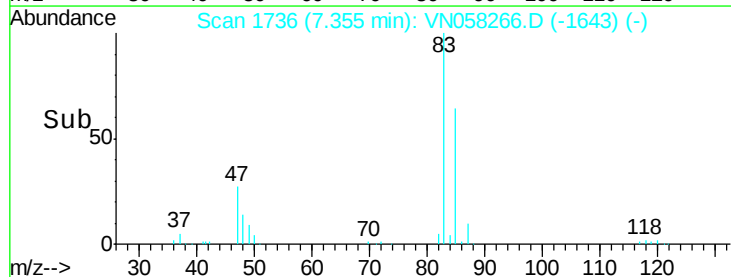
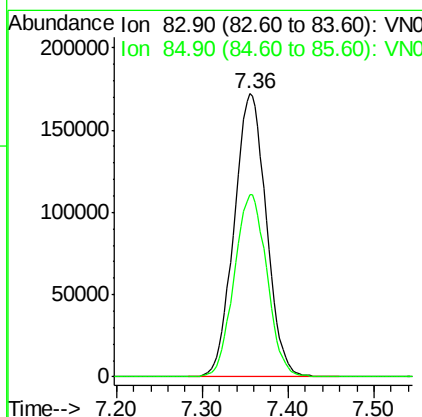
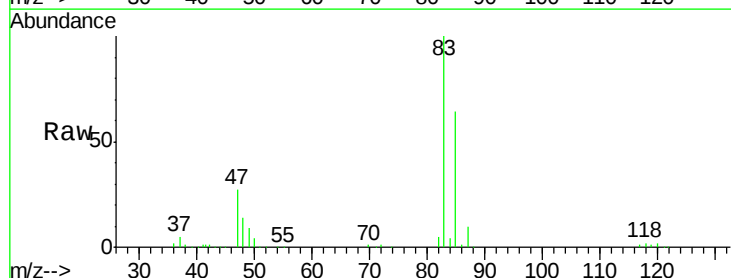
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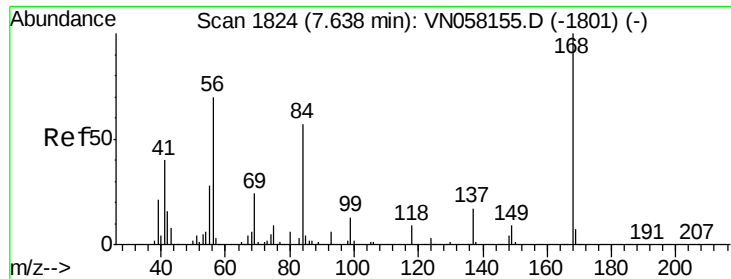
MMDadoda
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#30
Chloroform
Concen: 51.793 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





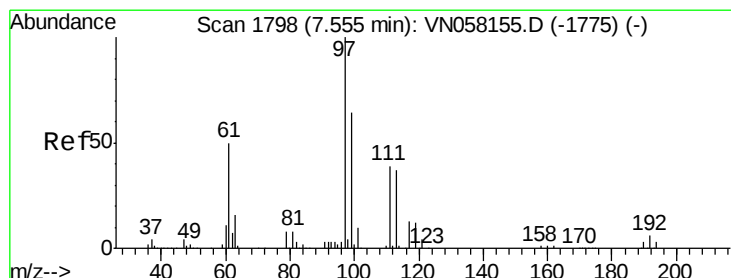
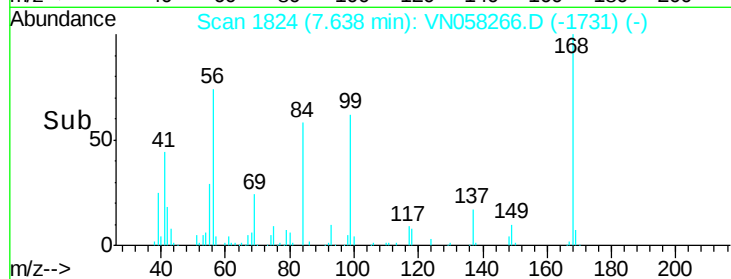
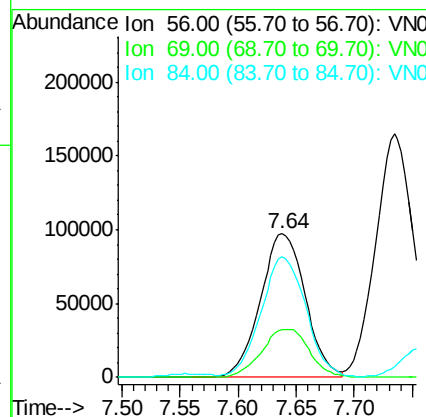
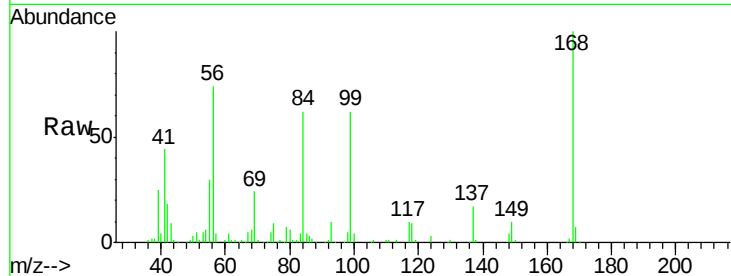
#31
Cyclohexane
Concen: 50.454 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.3	40.9
84	81.2	65.0	97.4

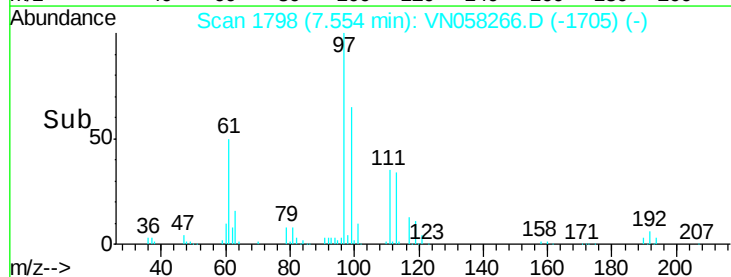
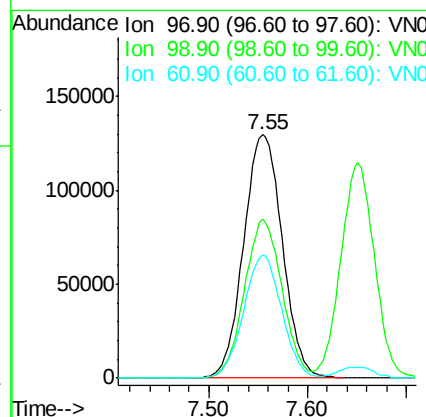
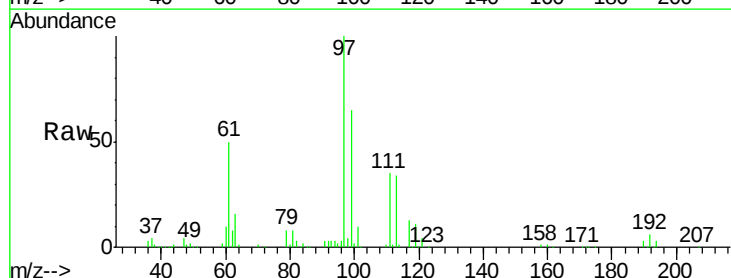
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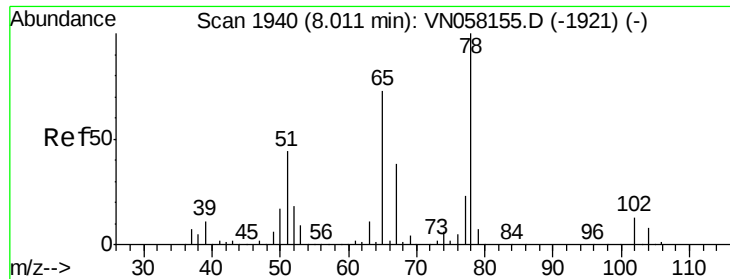
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#32
1,1,1-Trichloroethane
Concen: 53.533 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.9	76.3
61	49.5	39.2	58.8





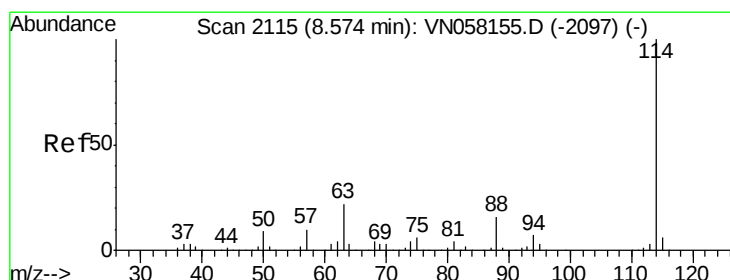
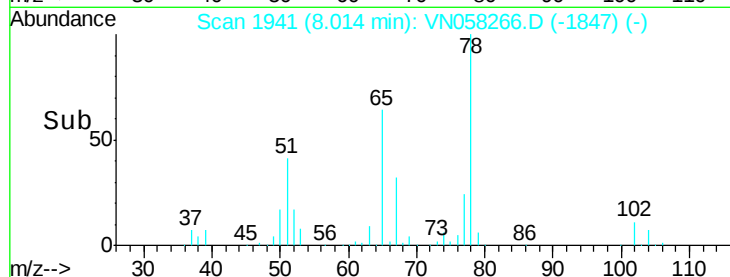
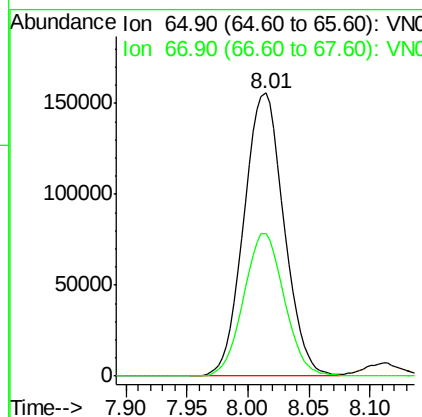
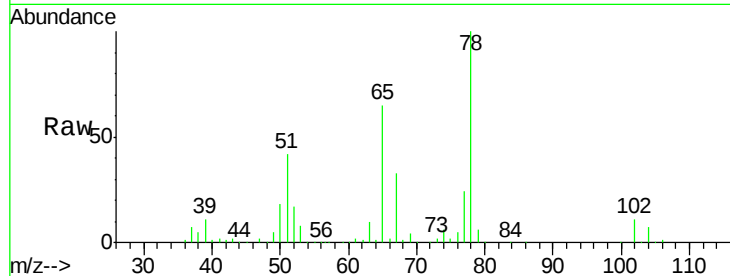
#33
 1,2-Dichloroethane-d4
 Concen: 56.939 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	103.4	

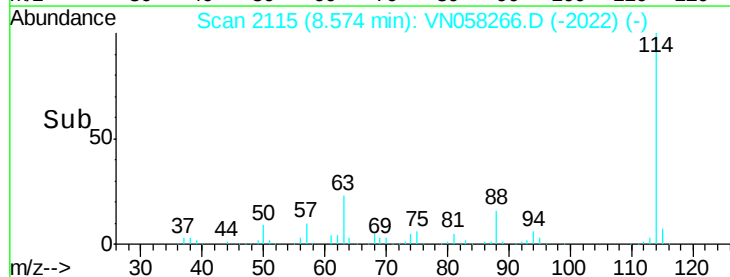
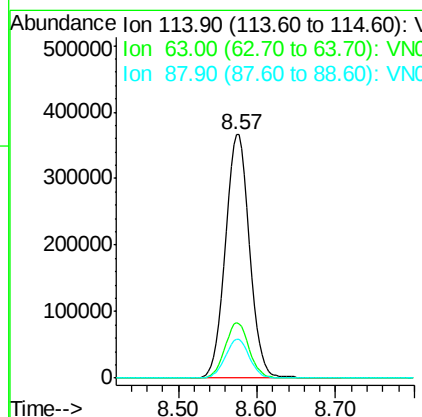
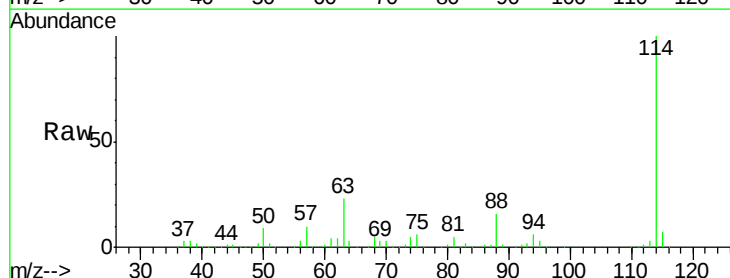
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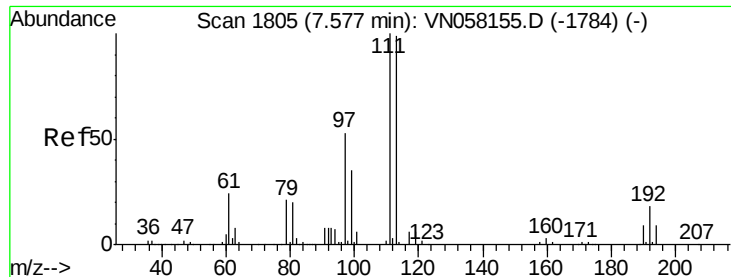
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	44.2	
88	15.9	0.0	31.6	





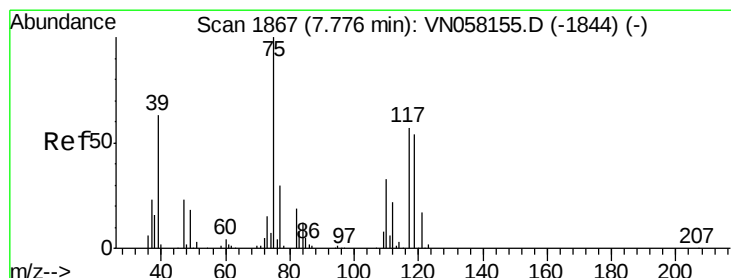
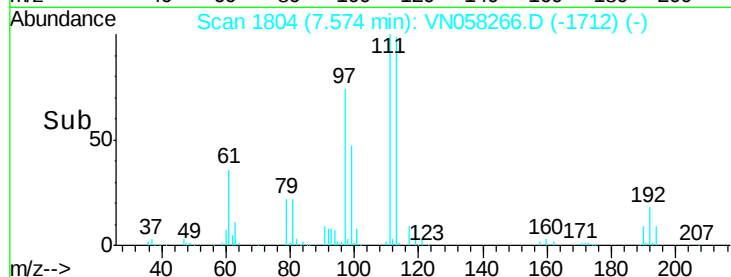
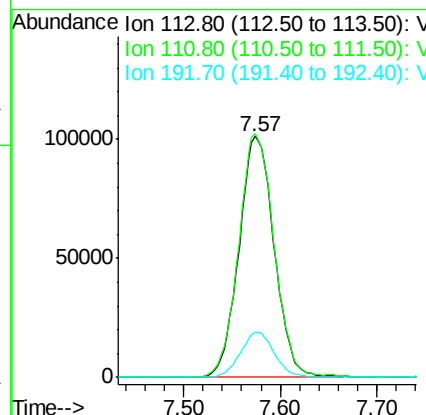
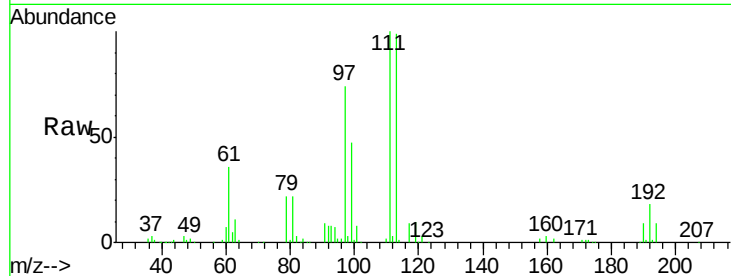
#35
 Dibromofluoromethane
 Concen: 54.354 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	256015		
111	101.6	81.8	122.6	
192	18.1	14.5	21.7	

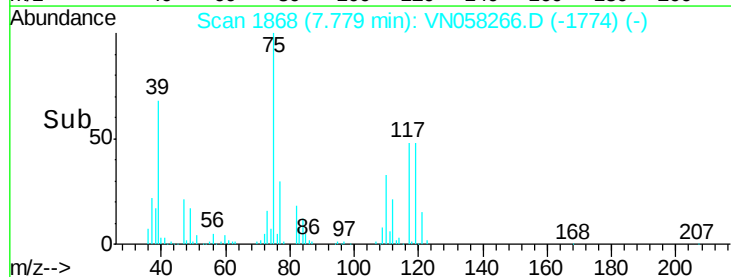
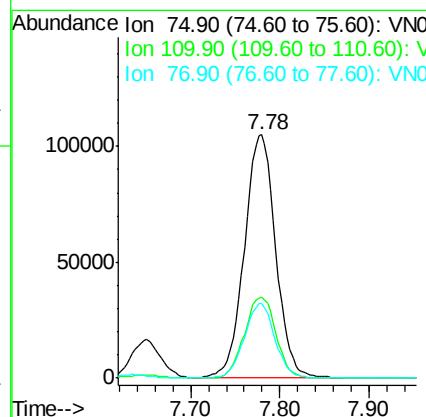
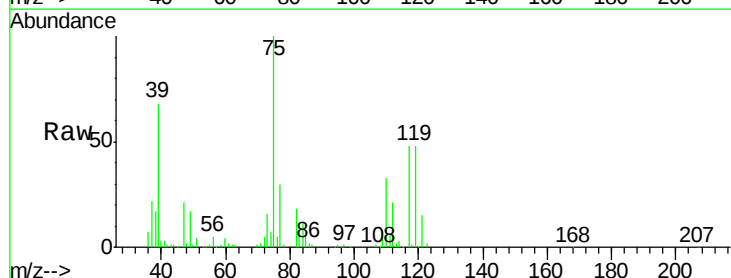
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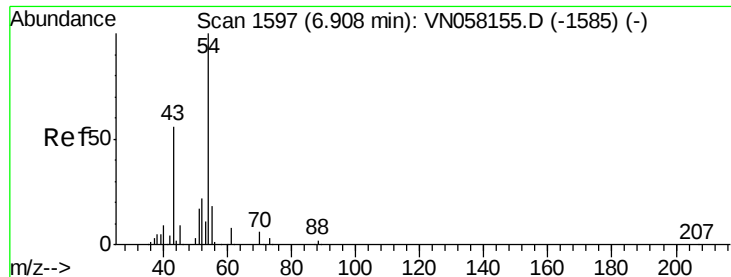
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#36
 1,1-Dichloropropene
 Concen: 45.461 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254010		
110	33.9	16.6	49.7	
77	30.4	24.3	36.5	





#37

Ethyl Acetate

Concen: 52.989 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

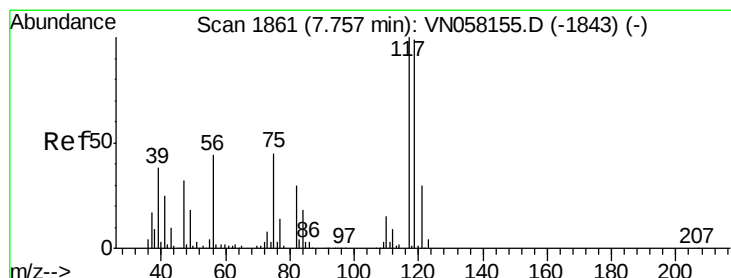
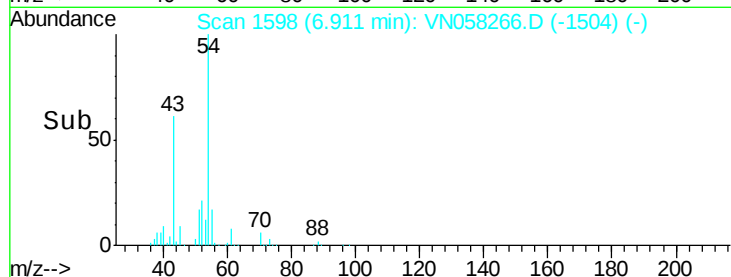
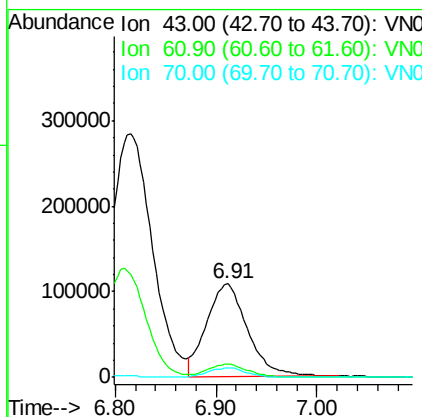
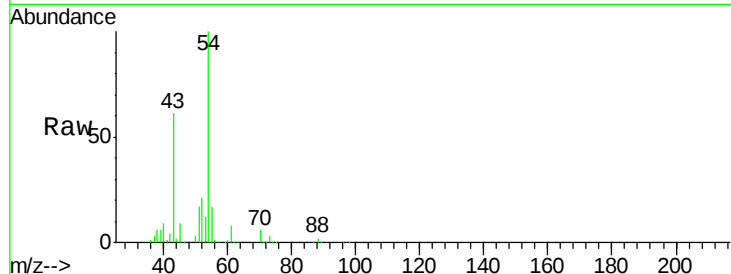
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	43	Resp:	307259
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	9.2	7.6	11.4

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#38

Carbon Tetrachloride

Concen: 48.729 ug/l

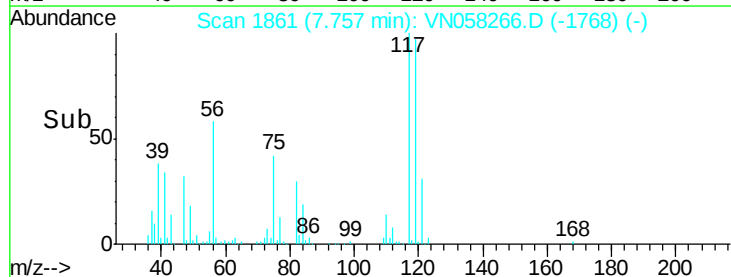
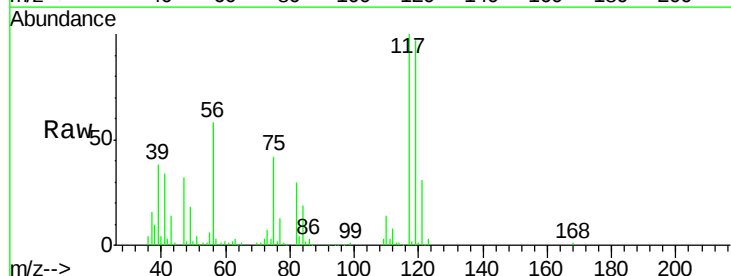
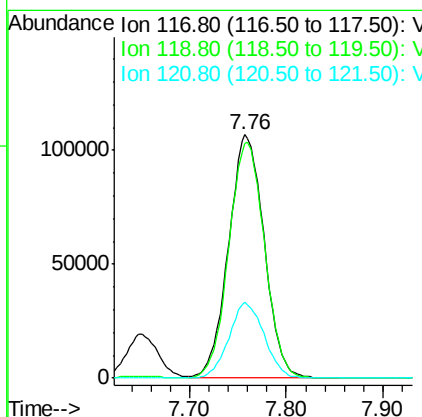
RT: 7.76 min Scan# 1861

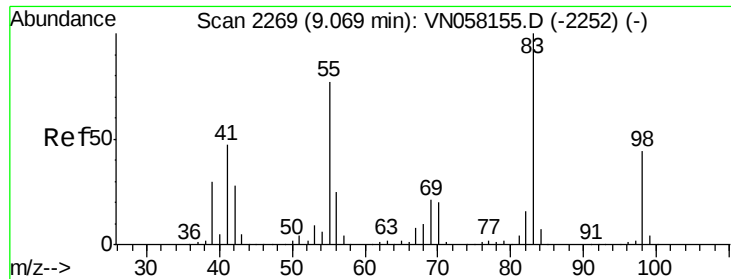
Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	117	Resp:	273692
Ion	Ratio	Lower	Upper
117	100		
119	96.5	78.6	117.8
121	31.2	24.1	36.1





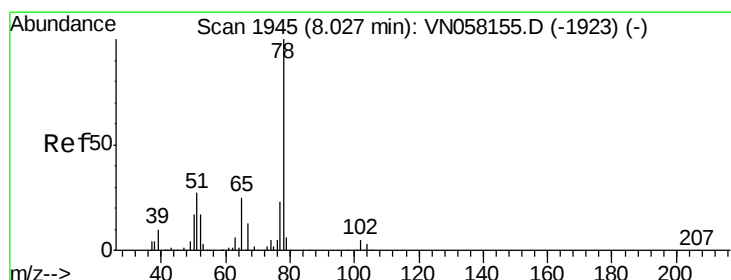
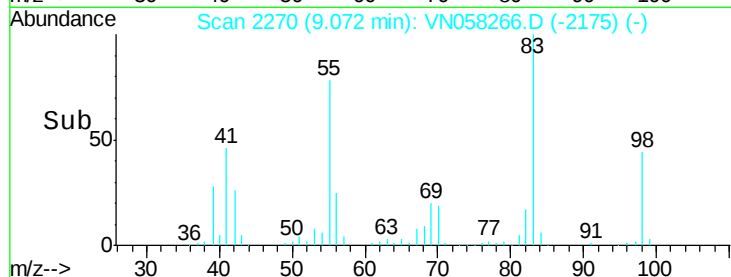
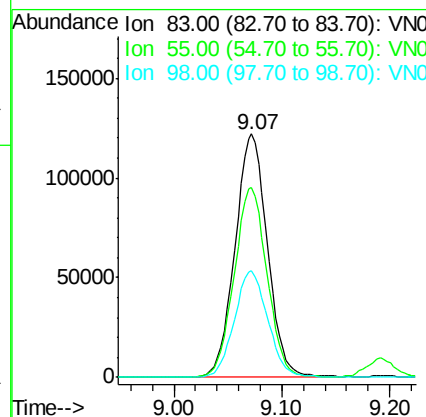
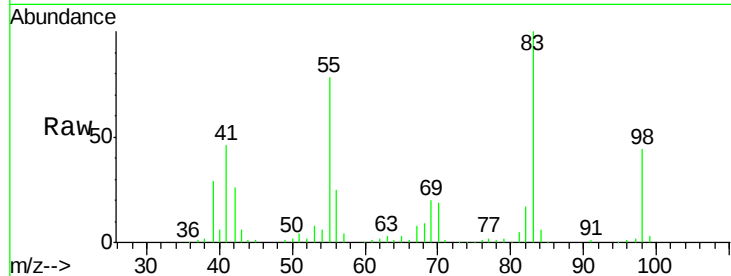
#39
Methvlcvclohexane
Concen: 47.331 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.8	61.9	92.9	
98	43.6	35.4	53.2	

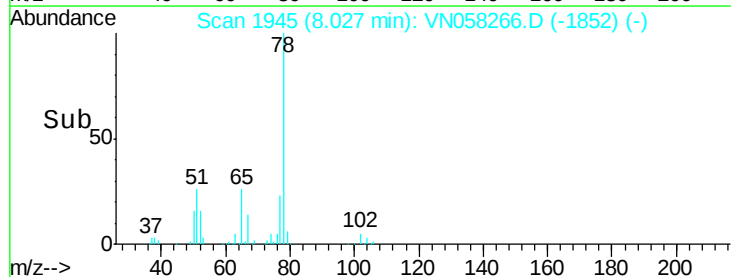
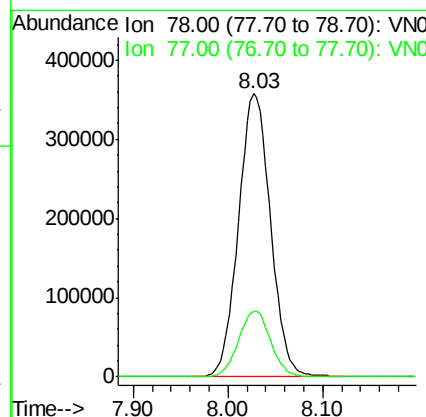
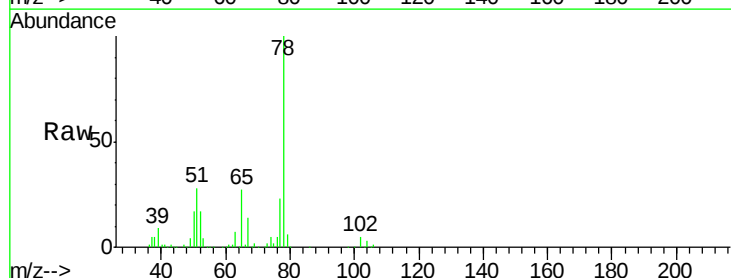
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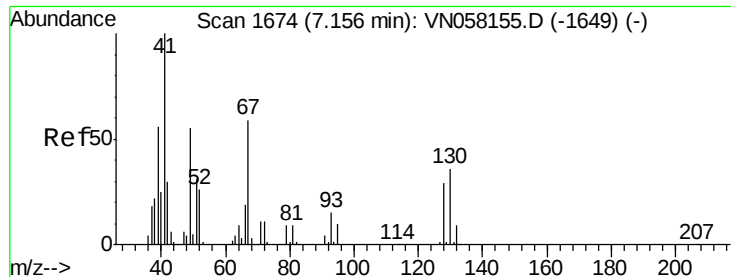
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#40
Benzene
Concen: 49.361 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.8	28.2	





#41

Methacrylonitrile

Concen: 49.474 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 41 Resp: 144491

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

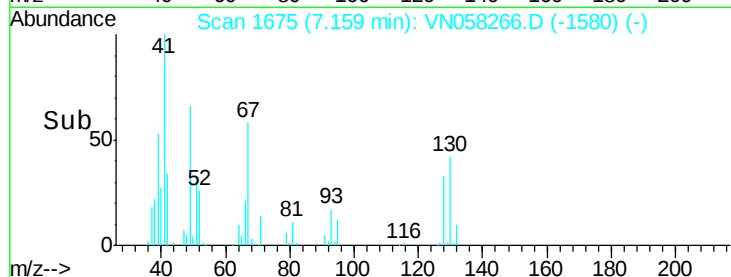
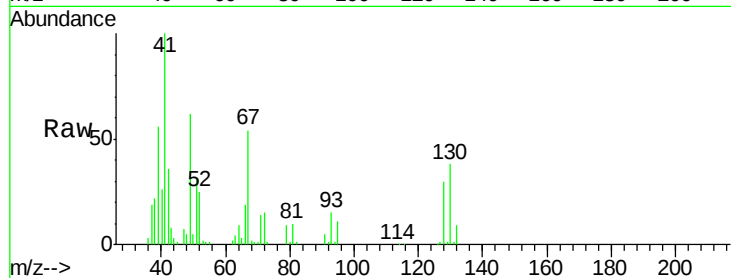
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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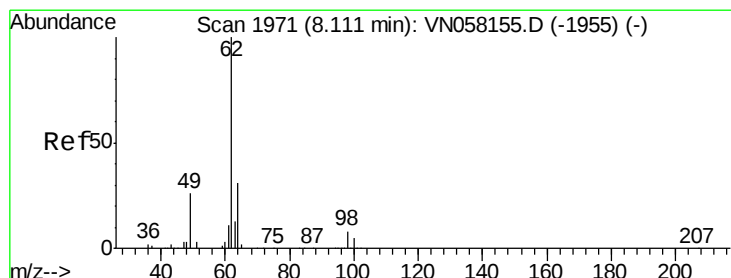
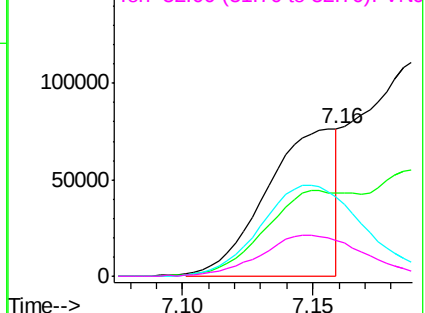


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 49.923 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058266.D

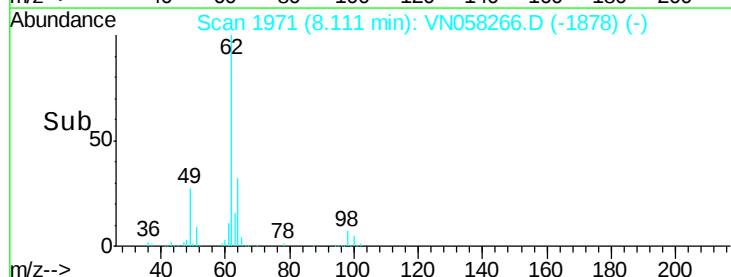
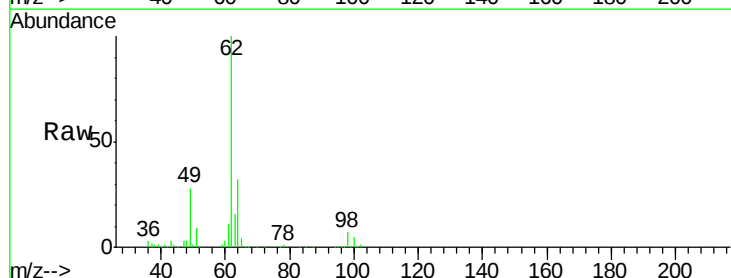
Acq: 20 Sep 2019 21:07

Tgt Ion: 62 Resp: 357499

Ion Ratio Lower Upper

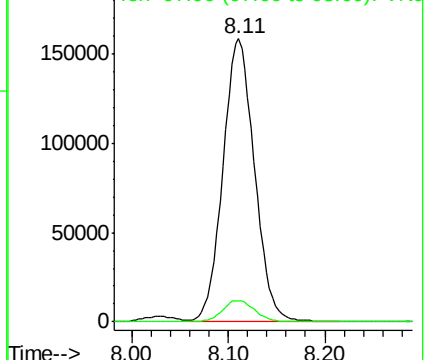
62 100

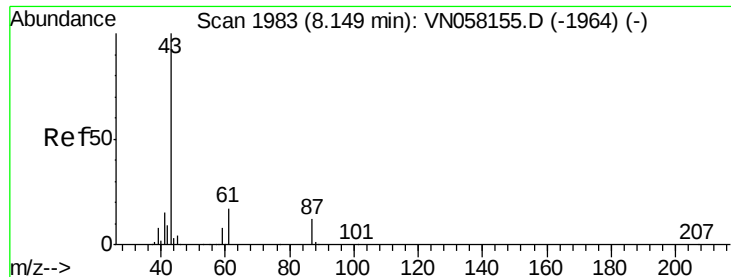
98 7.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





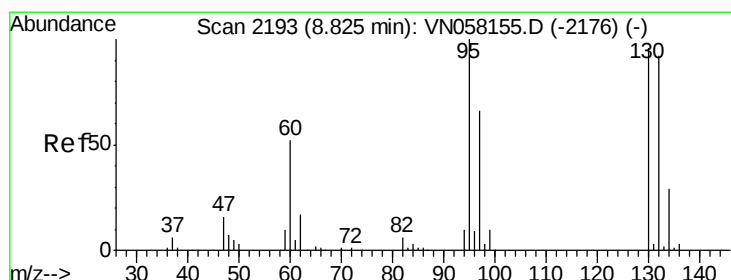
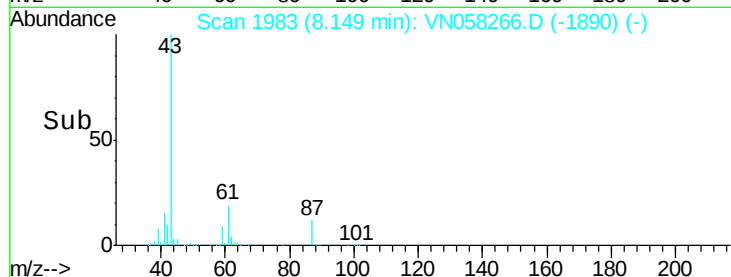
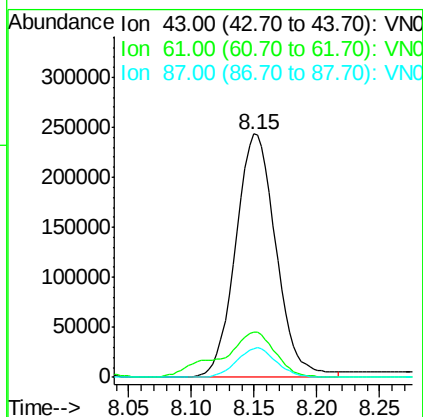
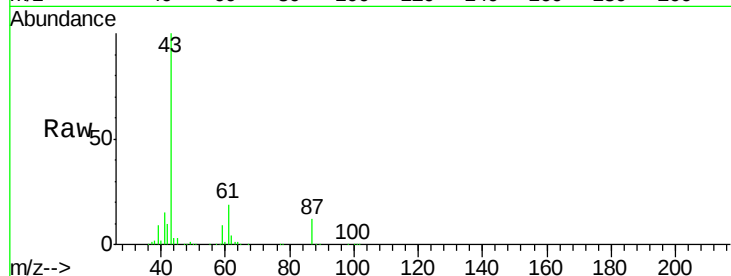
#43
Isopropyl Acetate
Concen: 49.948 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	19.7	29.5
87	12.0	9.4	14.2

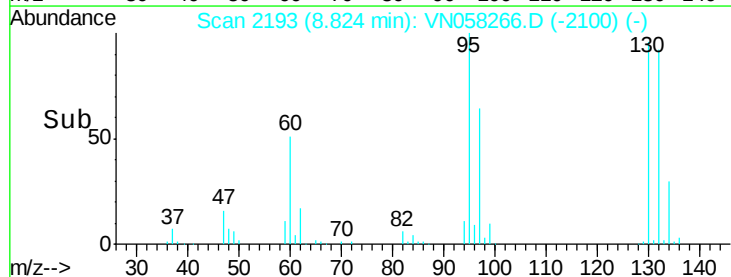
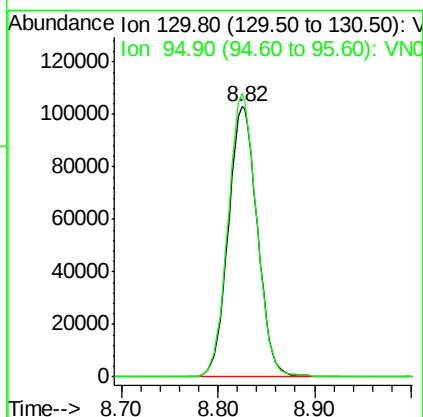
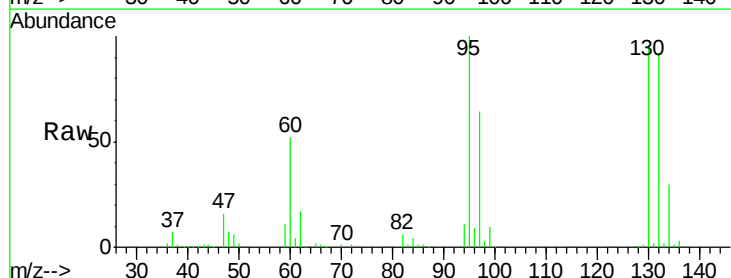
Manual Integrations
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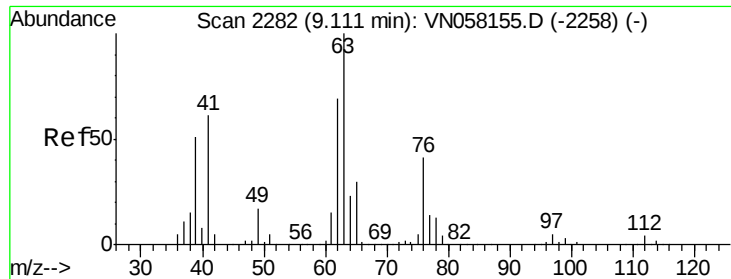
MMDadoda
9/23/2019 3:30:59 PM



#44
Trichloroethene
Concen: 51.436 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	207.8





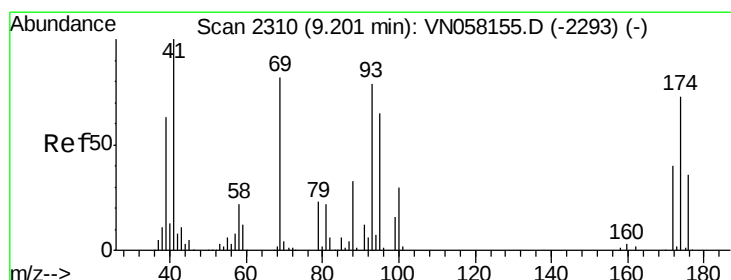
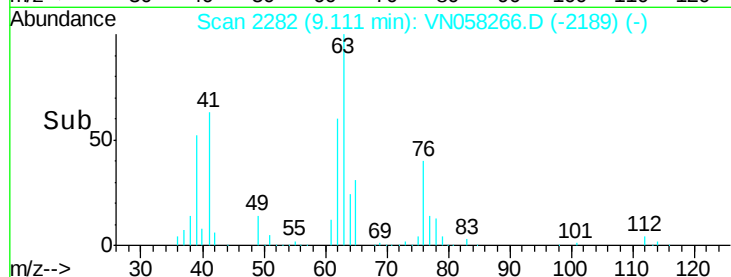
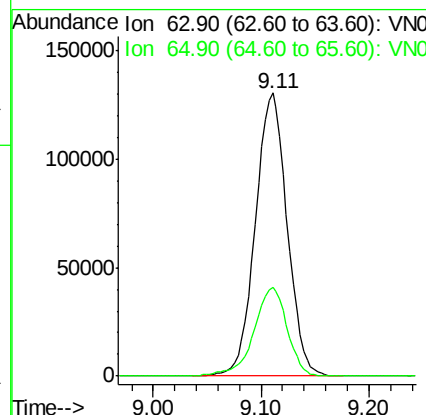
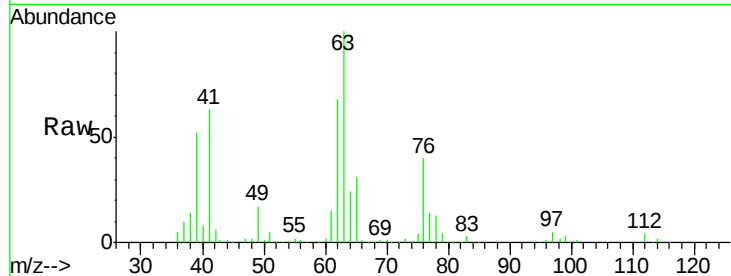
#45
 1,2-Dichloropropane
 Concen: 52.323 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
63	100	266665		
65	31.3		23.8	35.6

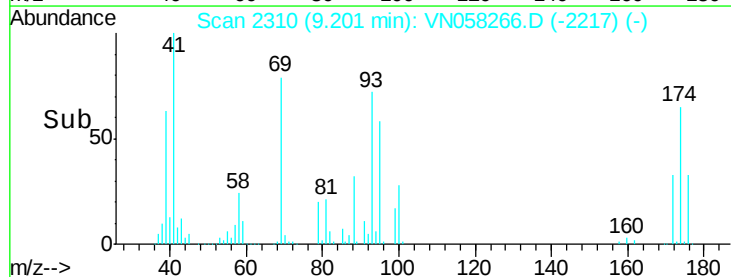
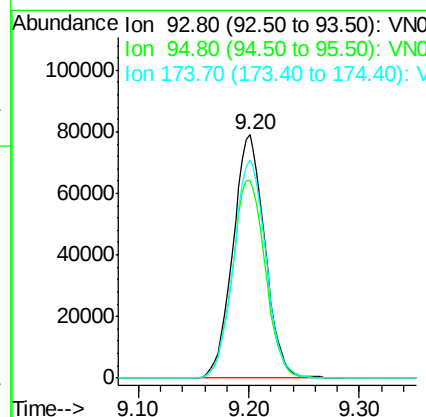
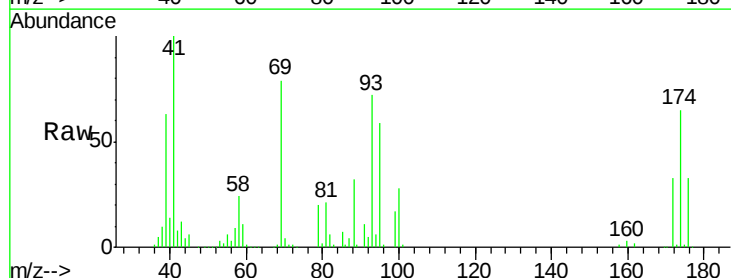
Manual Integrations
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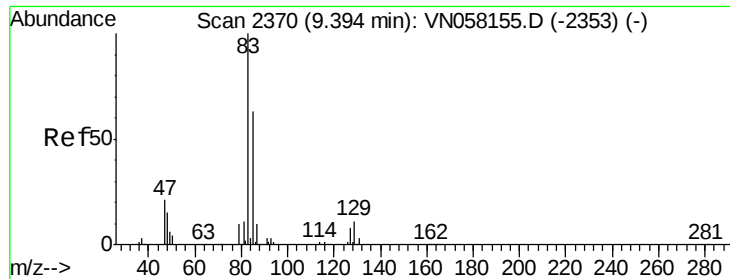
MMDadoda
 9/23/2019 3:30:59 PM



#46
 Dibromomethane
 Concen: 51.093 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	158315		
95	84.1		66.8	100.2
174	90.7		73.8	110.8





#47

Bromodichloromethane

Concen: 53.185 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

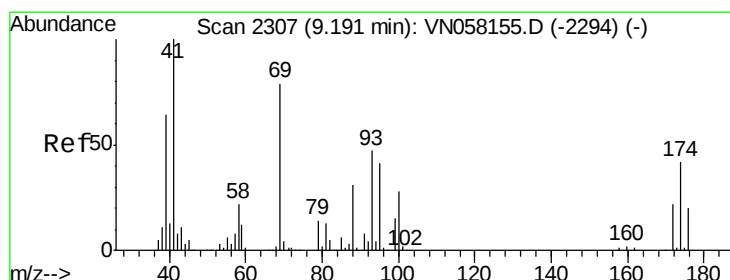
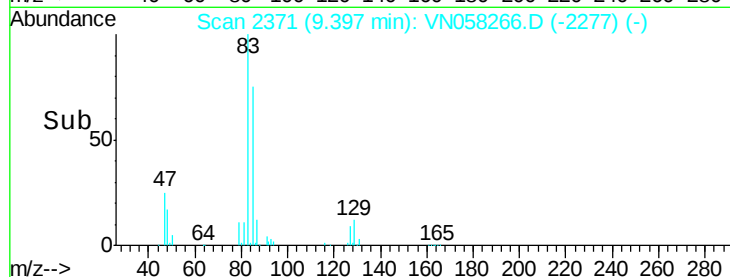
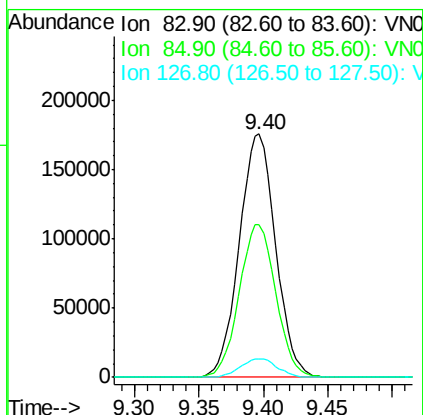
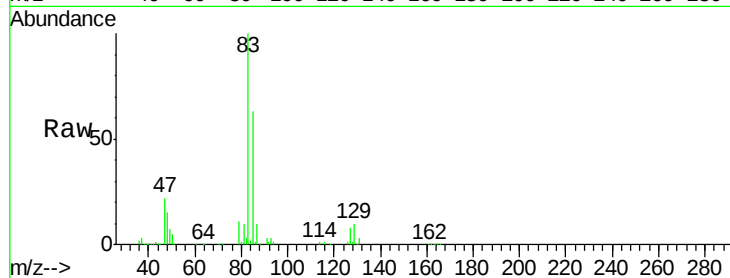
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	83	Resp:	345249
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.1	75.1
127	7.8	6.4	9.6

Manual Integrations
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9/23/2019 3:30:59 PM



#48

Methyl methacrylate

Concen: 55.990 ug/l

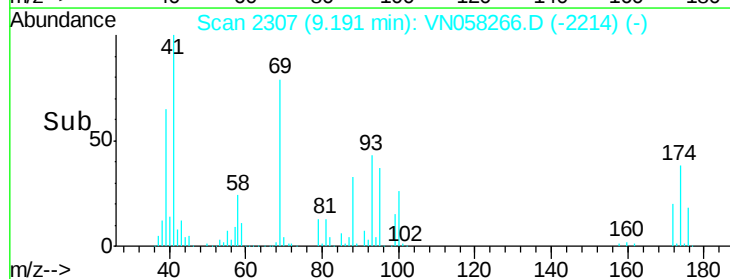
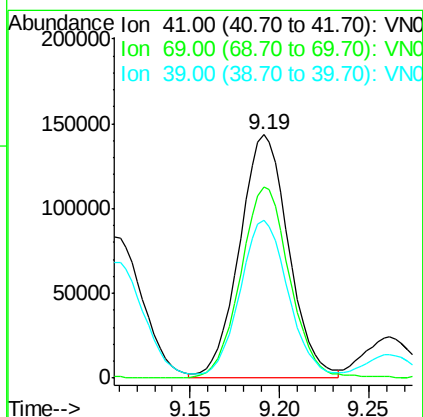
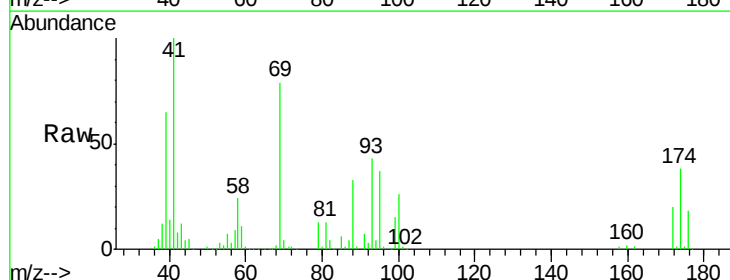
RT: 9.19 min Scan# 2307

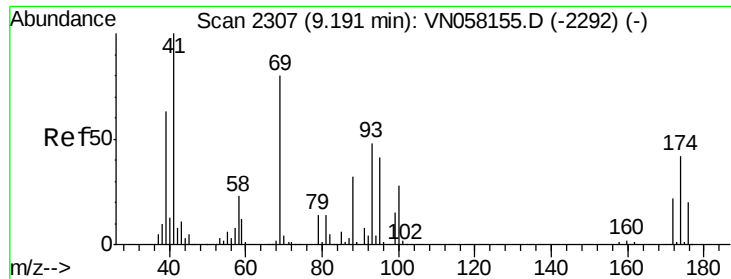
Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	41	Resp:	275302
Ion Ratio	Lower	Upper	
41	100		
69	78.0	62.5	93.7
39	64.2	52.3	78.5





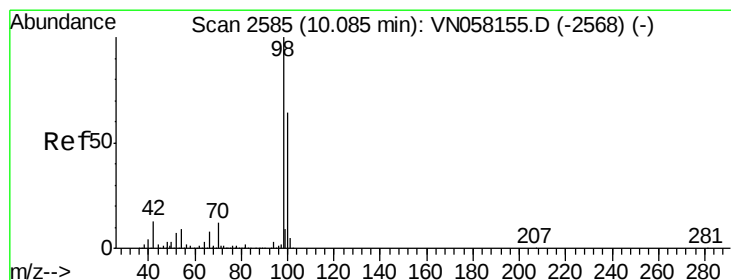
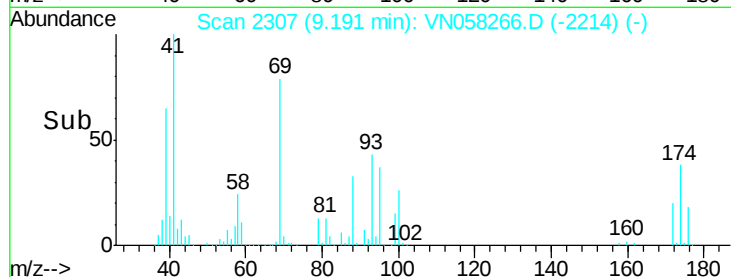
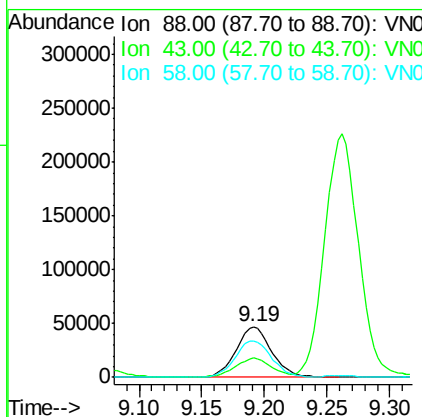
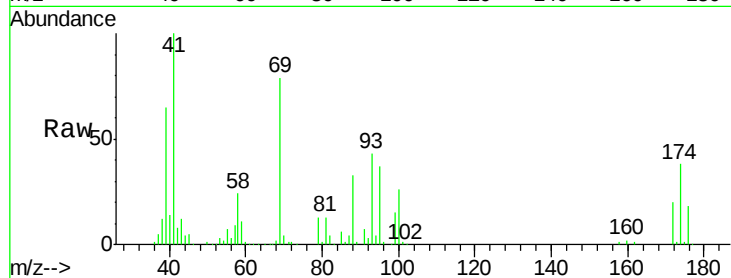
#49
1,4-Dioxane
Concen: 1148.086 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.8	41.8
58	74.1	55.0	82.4

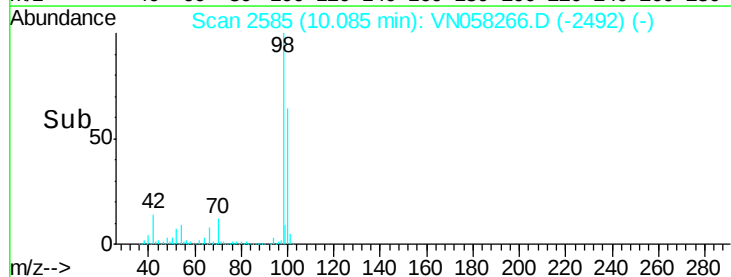
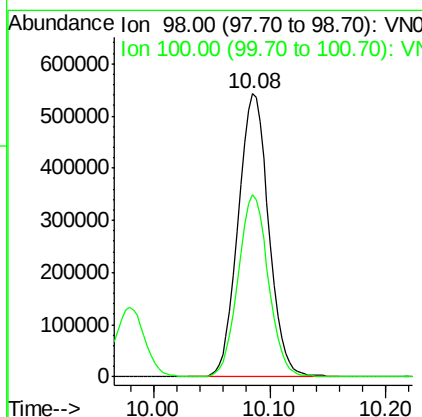
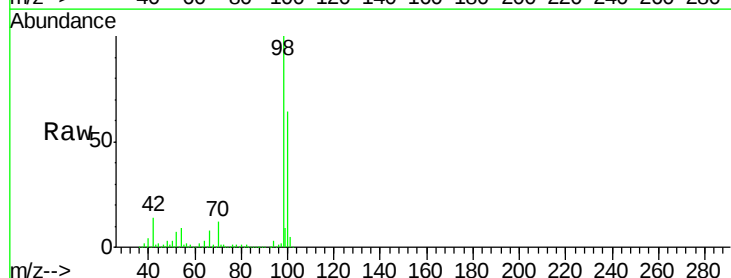
Manual Integrations
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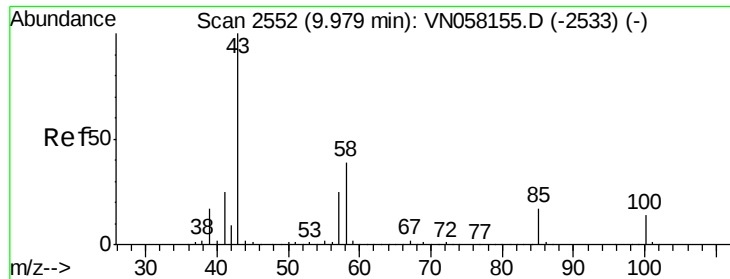
MMDadoda
9/23/2019 3:30:59 PM



#50
Toluene-d8
Concen: 54.341 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 310.605 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 43 Resp: 1786618

Ion Ratio Lower Upper

43 100

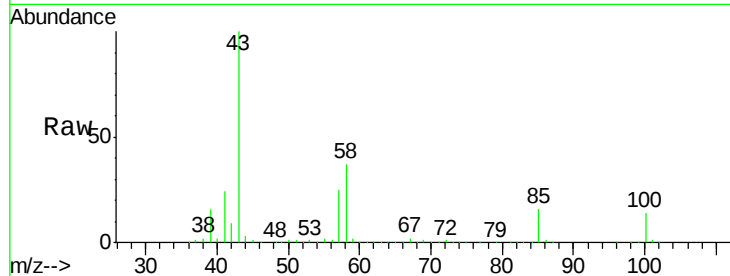
58 37.3 30.2 45.4

Manual Integrations

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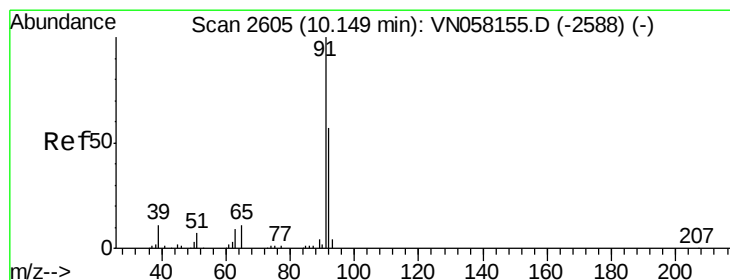
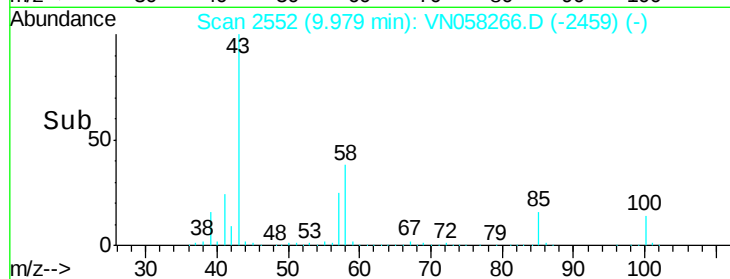
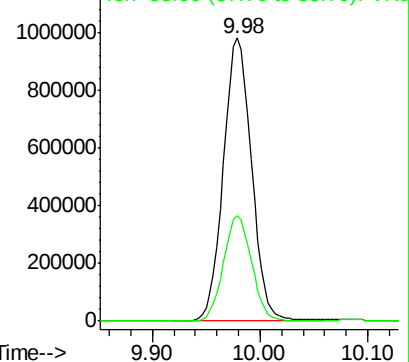
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.794 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058266.D

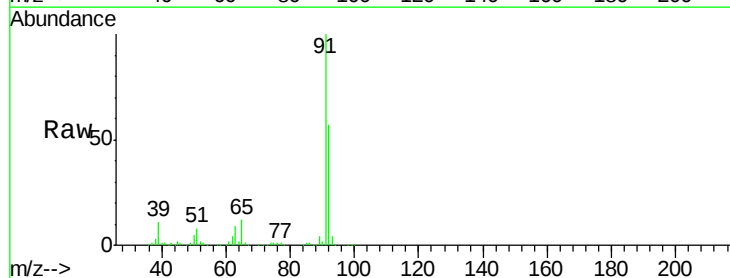
Acq: 20 Sep 2019 21:07

Tgt Ion: 92 Resp: 532560

Ion Ratio Lower Upper

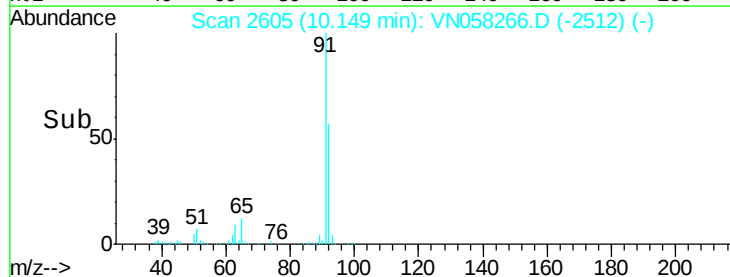
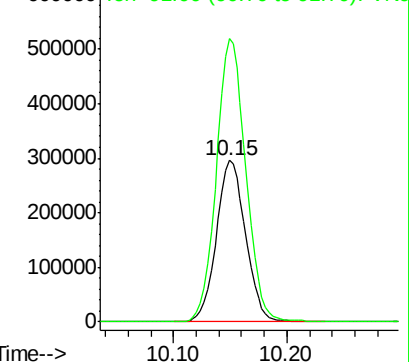
92 100

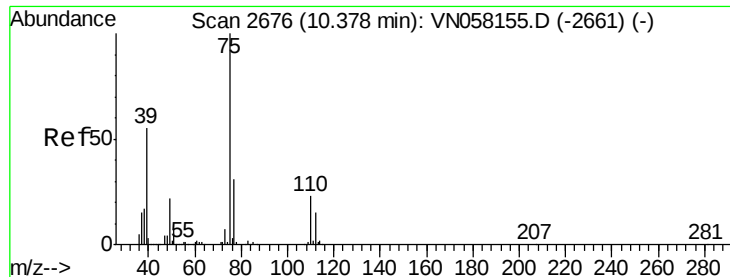
91 176.2 140.2 210.2



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: 52.985 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 75 Resp: 352325

Ion Ratio Lower Upper

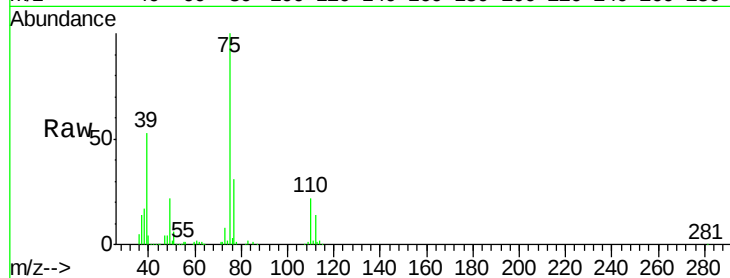
75 100

77 31.0 24.9 37.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

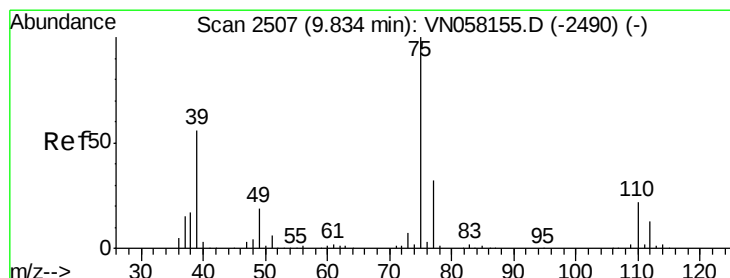
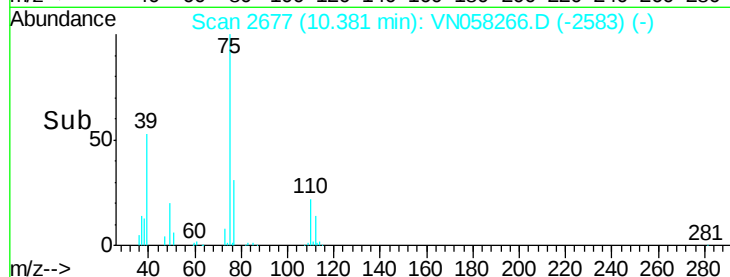
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.933 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

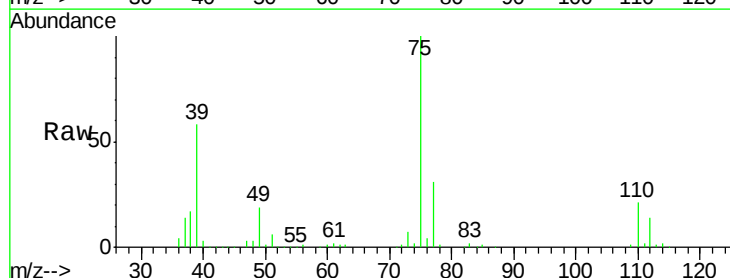
Tgt Ion: 75 Resp: 373927

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 57.7 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

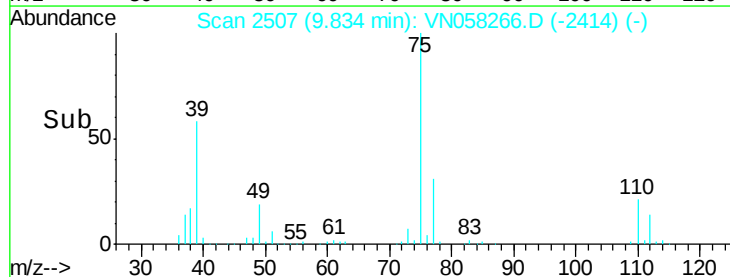
150000

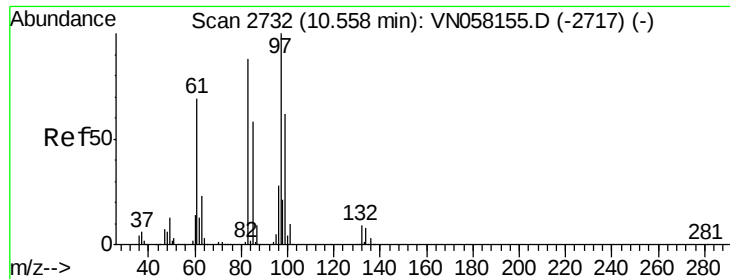
100000

50000

0

Time-->





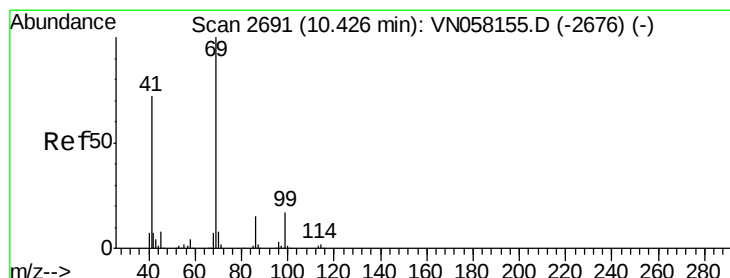
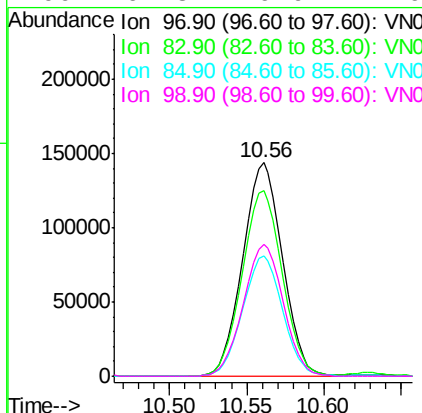
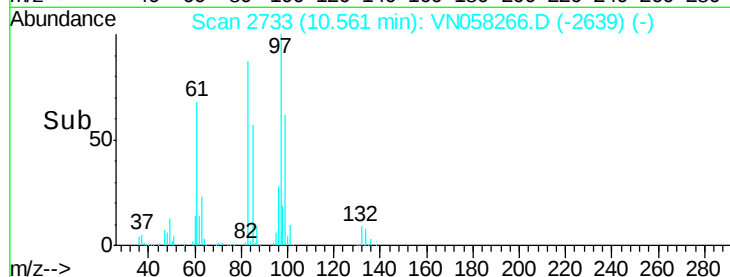
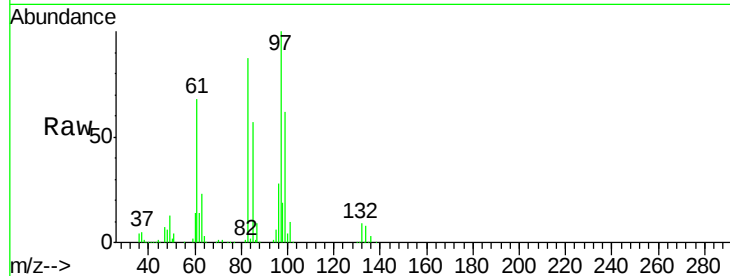
#55
 1,1,2-Trichloroethane
 Concen: 54.333 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion:	97	Resp:	257882
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.4	105.6
85	56.5	46.8	70.2
99	61.8	49.9	74.9

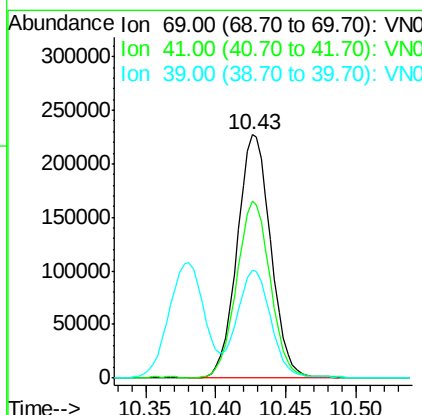
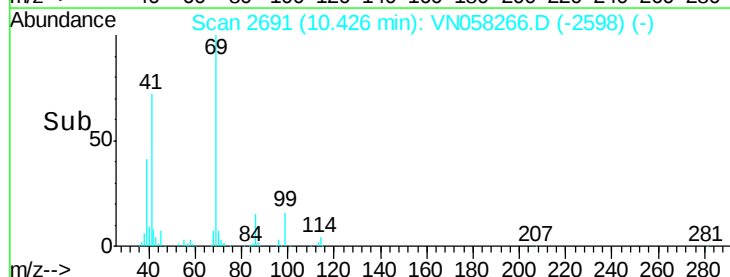
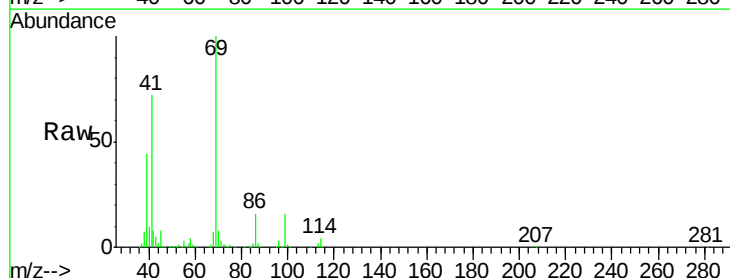
Manual Integrations
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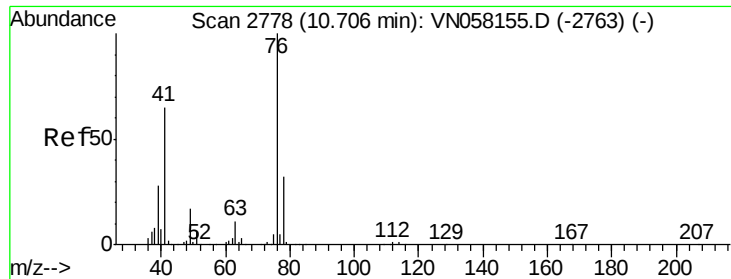
MMDadoda
 9/23/2019 3:30:59 PM



#56
 Ethyl methacrylate
 Concen: 55.519 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:	69	Resp:	380204
Ion	Ratio	Lower	Upper
69	100		
41	72.4	57.5	86.3
39	44.3	36.1	54.1





#57

1,3-Dichloropropane

Concen: 52.391 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 76 Resp: 427489

Ion Ratio Lower Upper

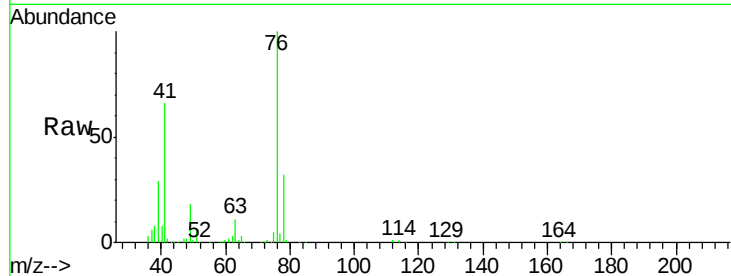
76 100

78 32.0 25.4 38.0

Manual Integrations
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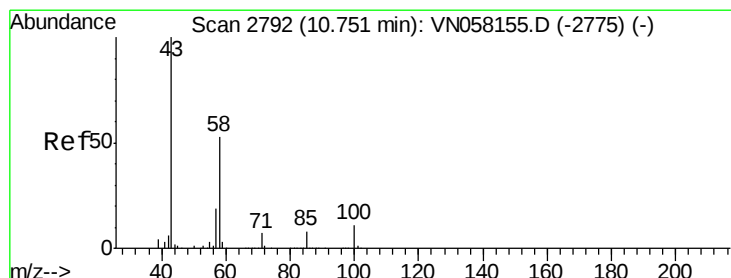
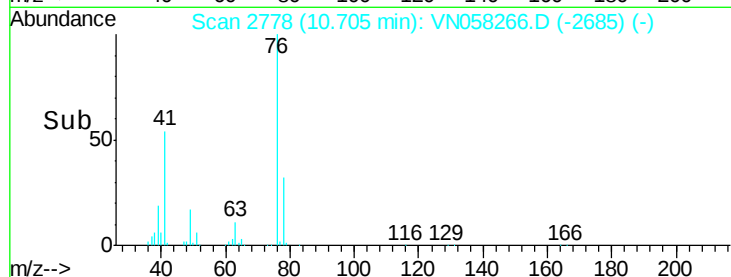
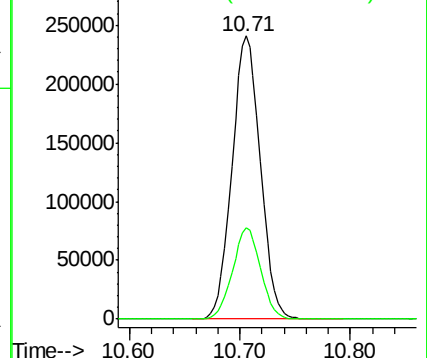
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 304.318 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058266.D

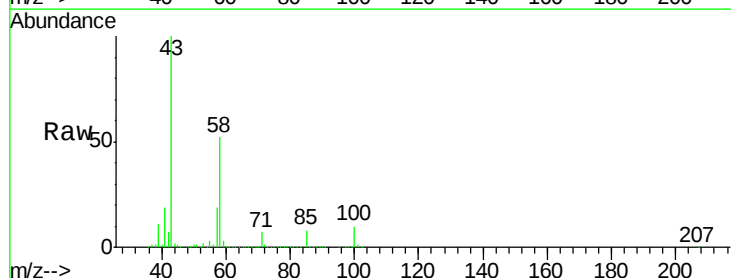
Acq: 20 Sep 2019 21:07

Tgt Ion: 43 Resp: 1300045

Ion Ratio Lower Upper

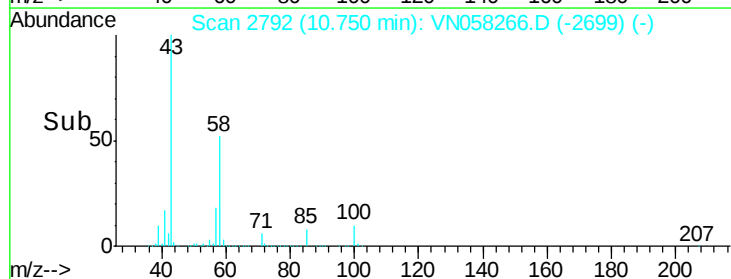
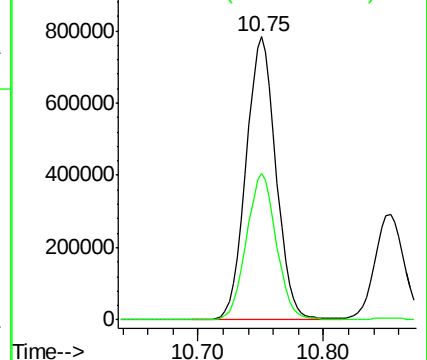
43 100

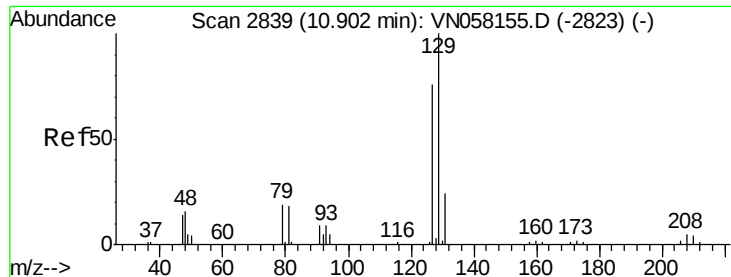
58 51.8 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





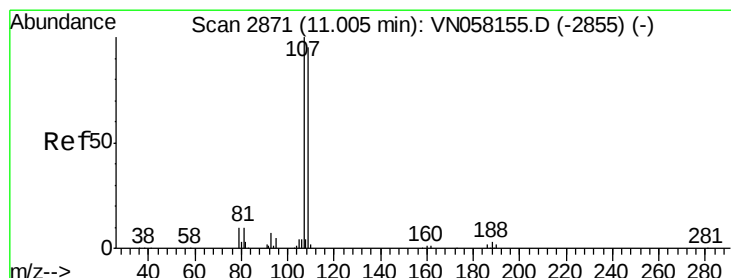
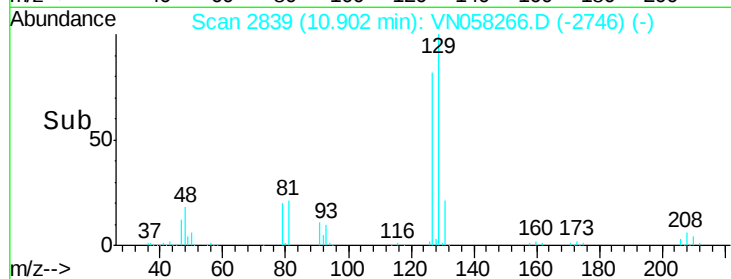
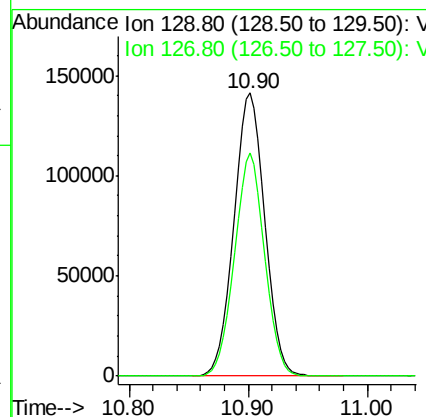
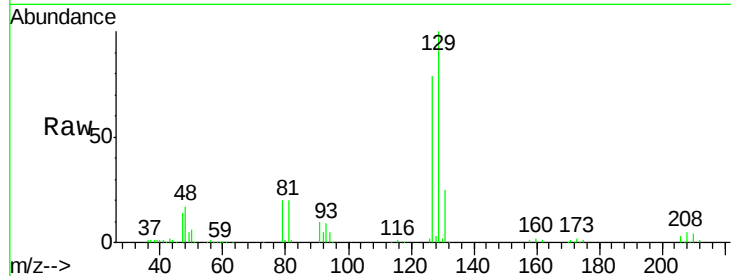
#60
 Dibromochloromethane
 Concen: 55.583 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.7	116.1

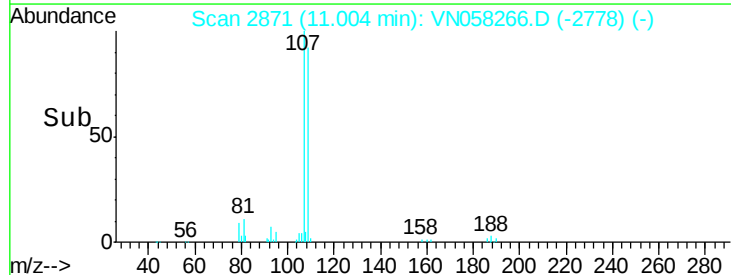
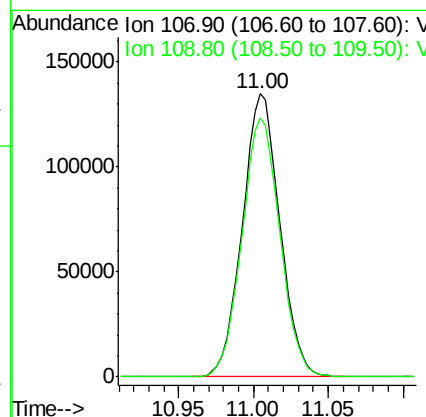
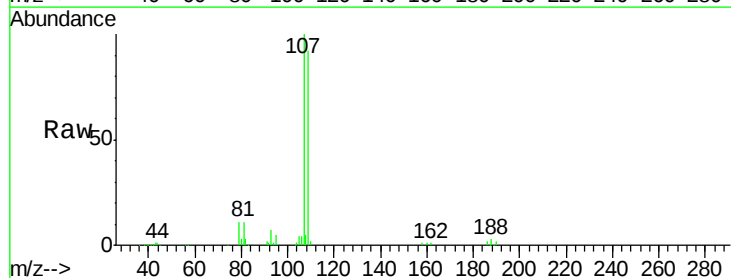
Manual Integrations
 APPROVED

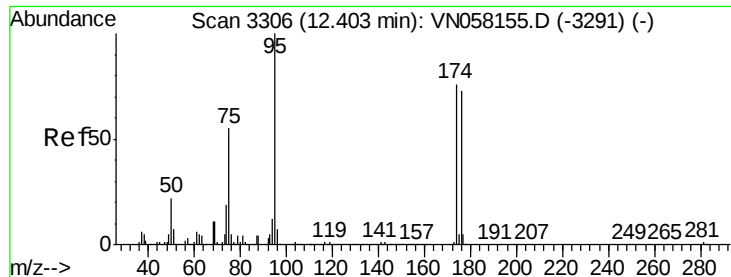
MMDadoda
 9/23/2019 3:30:59 PM



#61
 1,2-Dibromoethane
 Concen: 53.474 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.2





#62

4-Bromofluorobenzene

Concen: 53.266 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

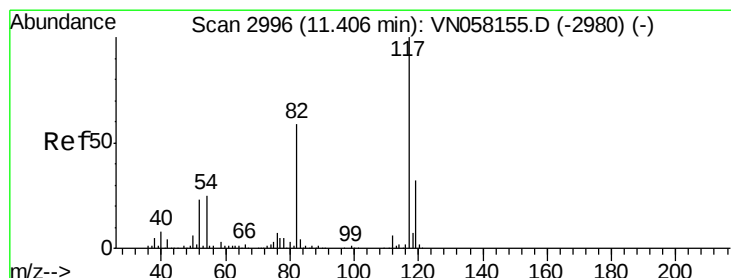
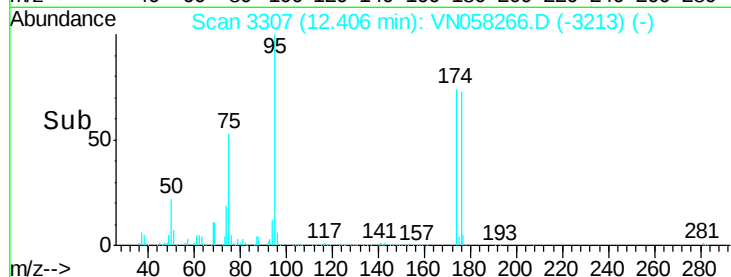
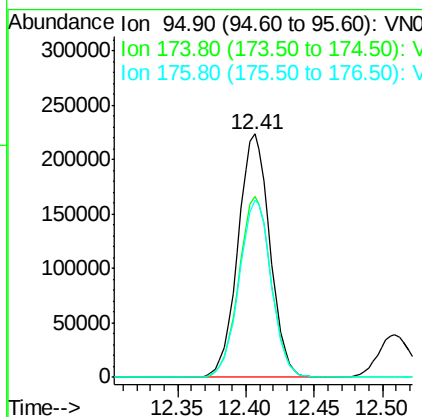
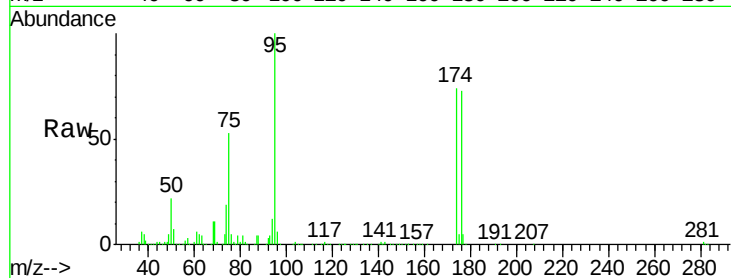
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	95	Resp:	363107
Ion Ratio	Lower	Upper	
95	100		
174	75.0	0.0	152.2
176	73.0	0.0	148.0

Manual Integrations
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9/23/2019 3:30:59 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

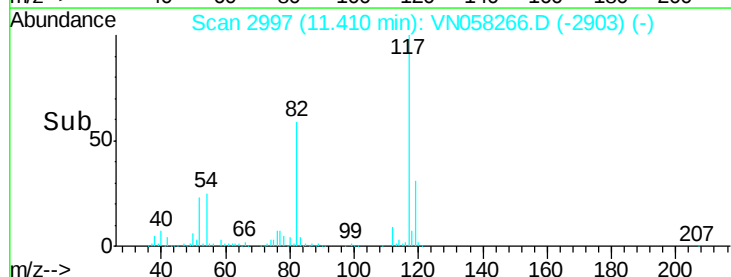
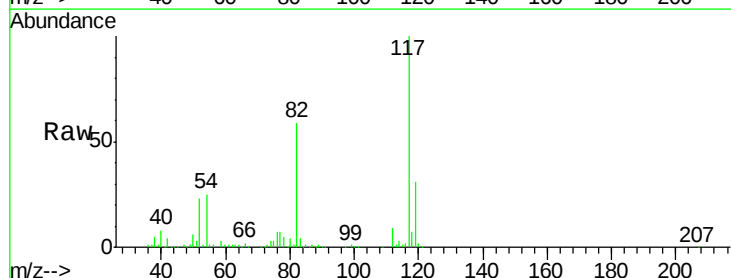
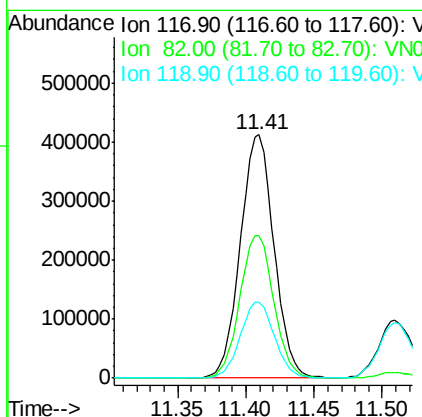
RT: 11.41 min Scan# 2997

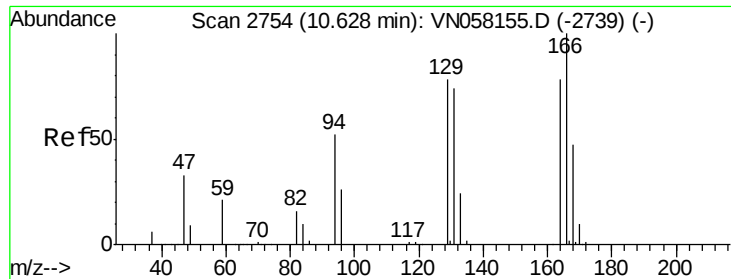
Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	117	Resp:	707890
Ion Ratio	Lower	Upper	
117	100		
82	58.7	46.9	70.3
119	31.2	25.3	37.9





#64

Tetrachloroethene

Concen: 45.059 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:164 Resp: 155488

Ion Ratio Lower Upper

164 100

166 130.0 102.2 153.4

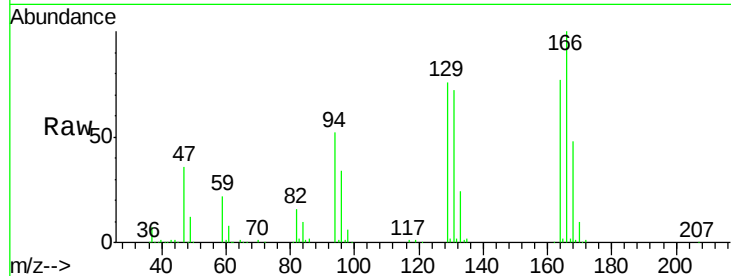
129 99.0 79.6 119.4

131 93.5 76.0 114.0

Manual Integrations
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MMDadoda

9/23/2019 3:30:59 PM

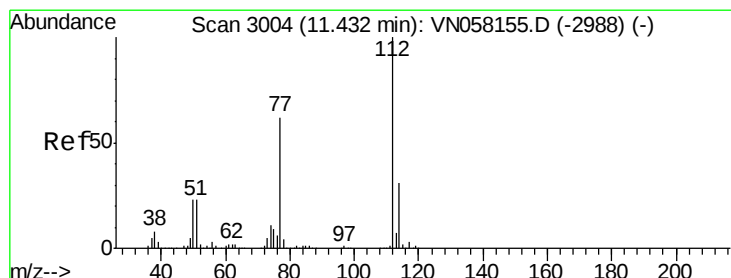
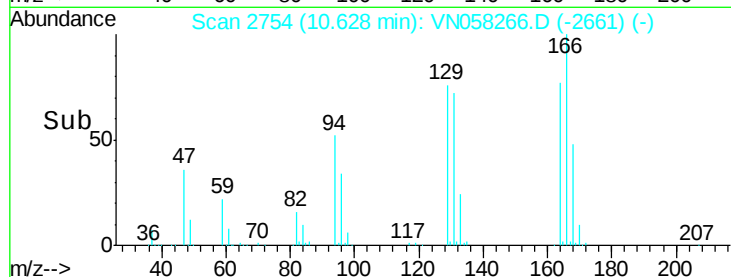
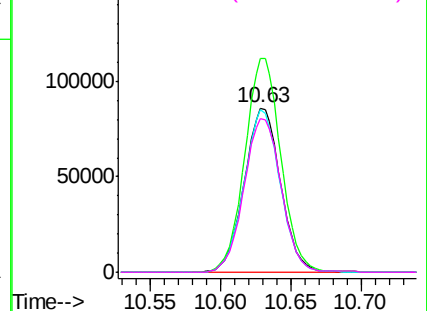


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.726 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058266.D

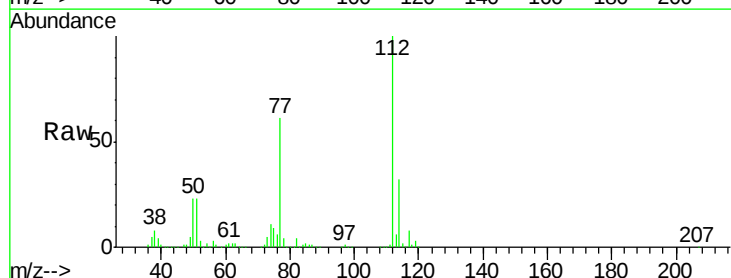
Acq: 20 Sep 2019 21:07

Tgt Ion:112 Resp: 619154

Ion Ratio Lower Upper

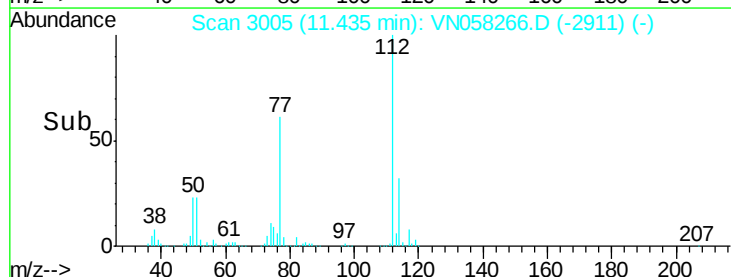
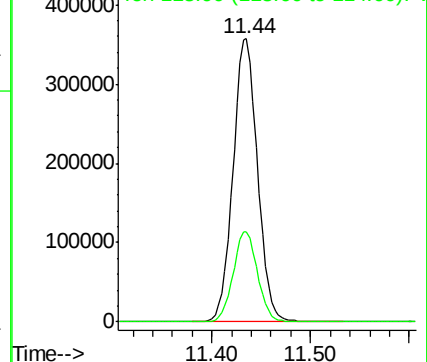
112 100

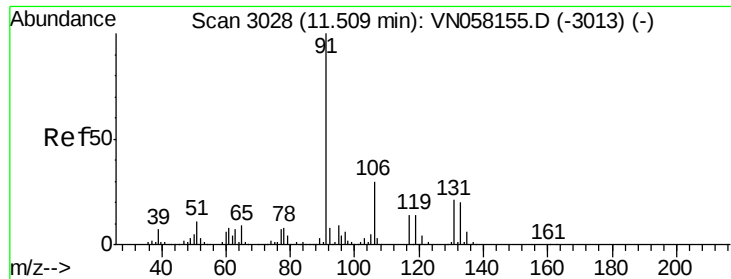
114 32.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





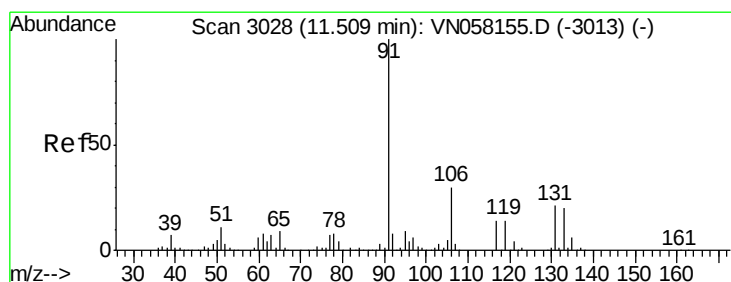
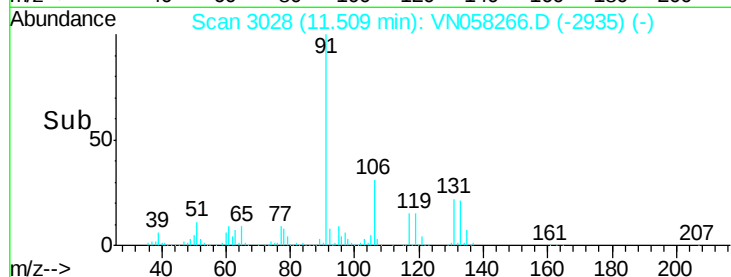
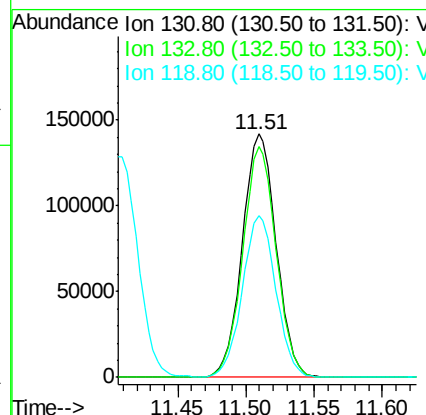
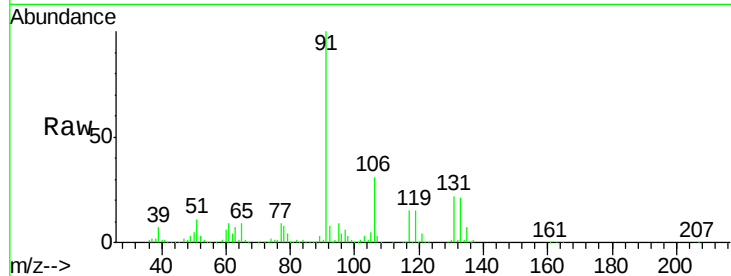
#66
 1,1,1,2-Tetrachloroethane
 Concen: 54.020 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	243892		
133	93.7	47.8	143.3	
119	66.0	33.1	99.3	

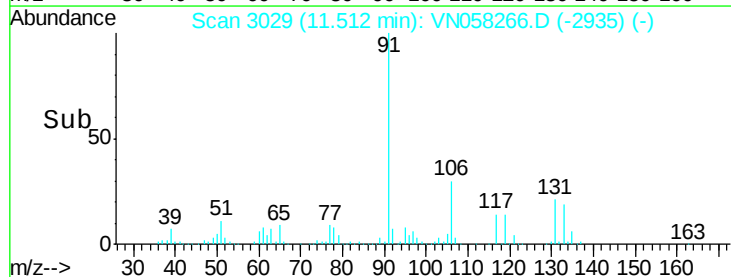
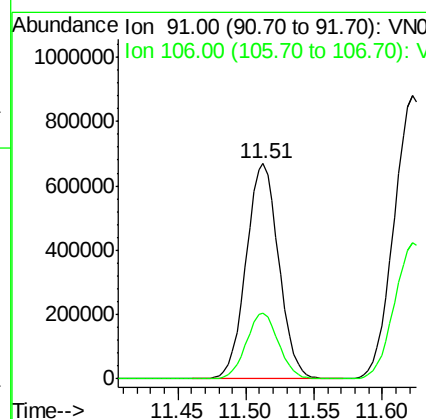
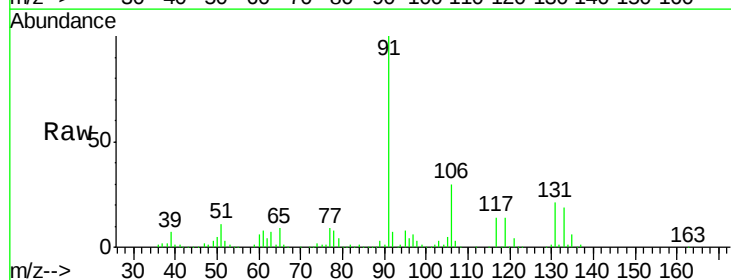
Manual Integrations
 APPROVED

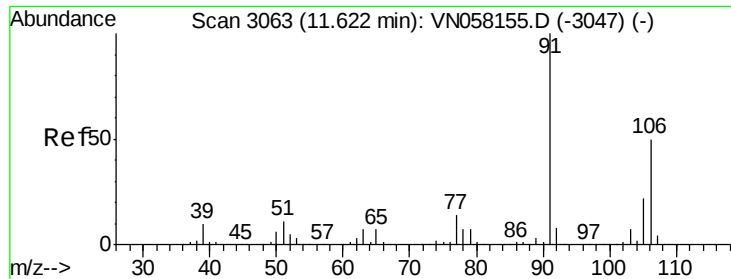
MMDadoda
 9/23/2019 3:30:59 PM



#67
 Ethyl Benzene
 Concen: 51.998 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1109370		
106	30.5	24.0	36.0	





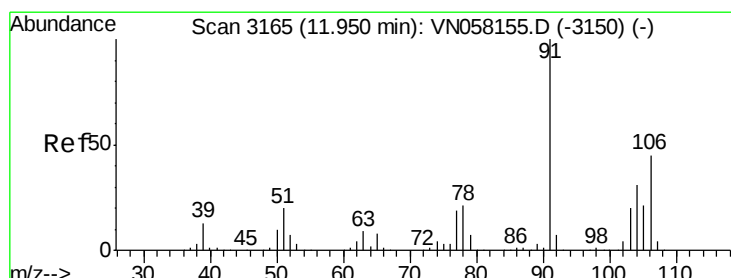
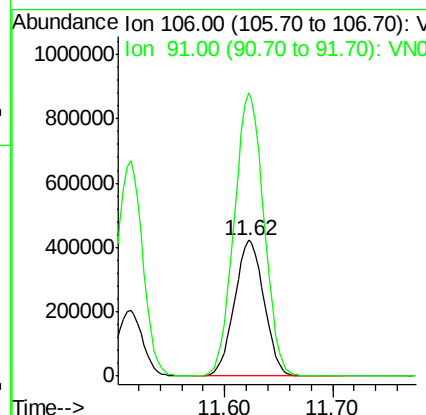
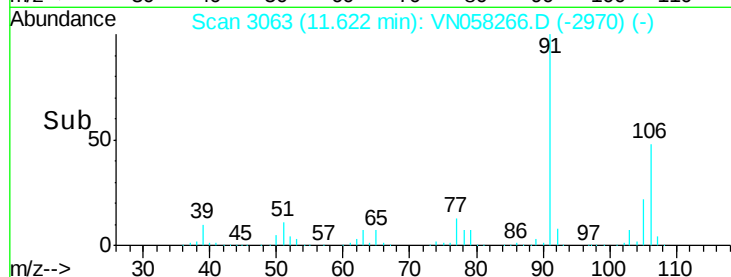
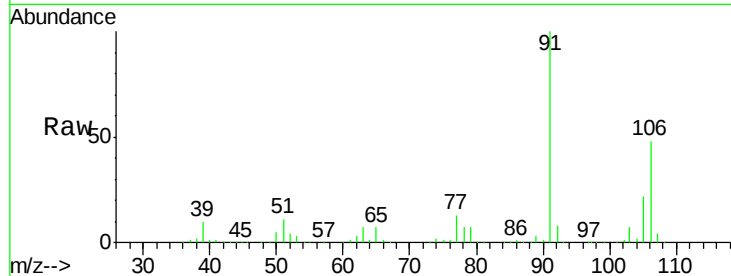
#68
m/p-Xvlenes
Concen: 100.215 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion:106 Resp: 805273
Ion Ratio Lower Upper
106 100
91 209.8 163.6 245.4

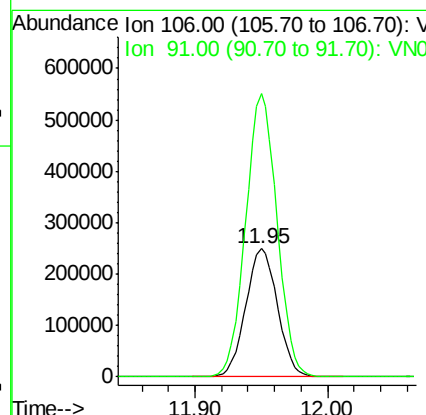
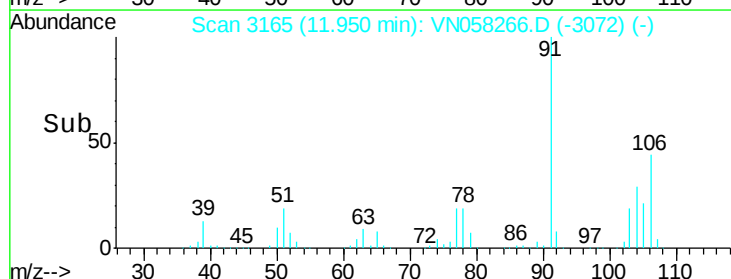
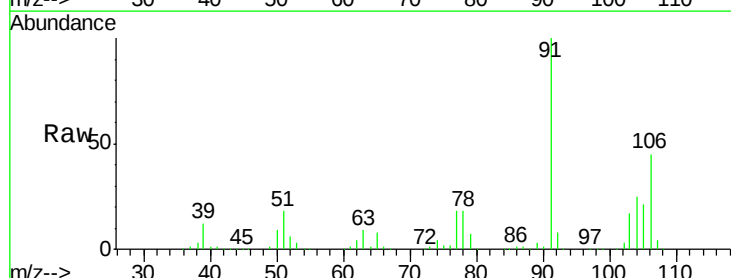
Manual Integrations
APPROVED

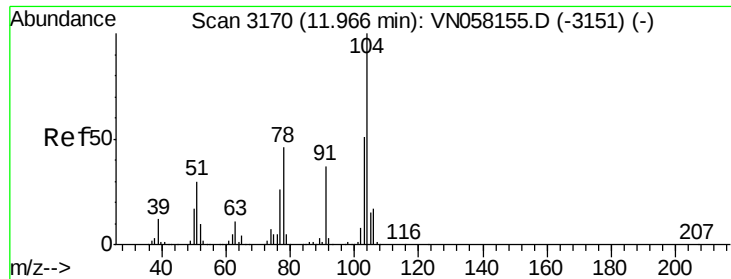
MMDadoda
9/23/2019 3:30:59 PM



#69
o-Xylene
Concen: 52.459 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion:106 Resp: 414483
Ion Ratio Lower Upper
106 100
91 217.8 111.8 335.3





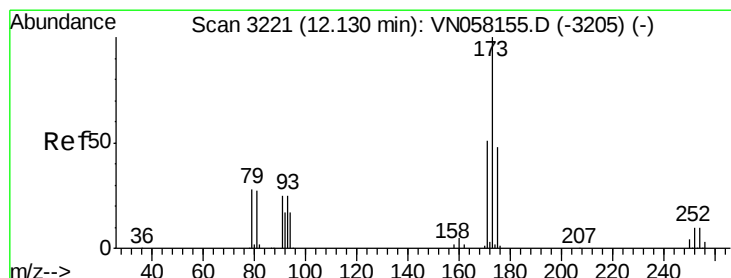
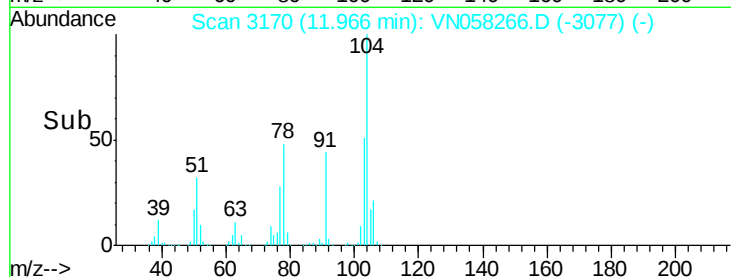
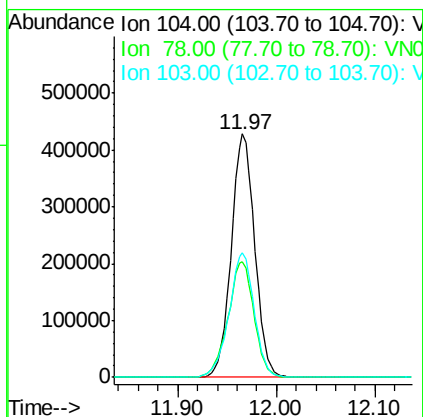
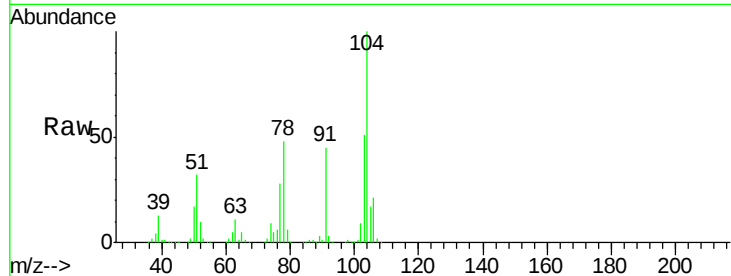
#70
Stvrene
Concen: 52.338 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	712508		
78	52.7		41.8	62.8
103	54.7		44.2	66.2

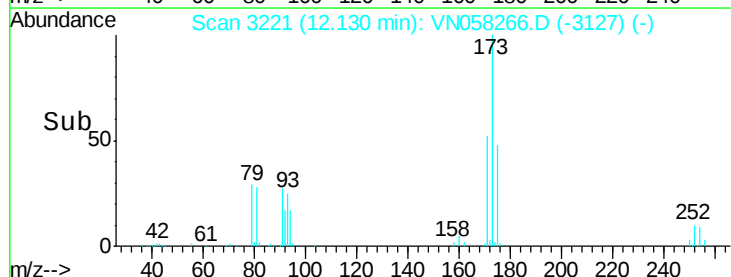
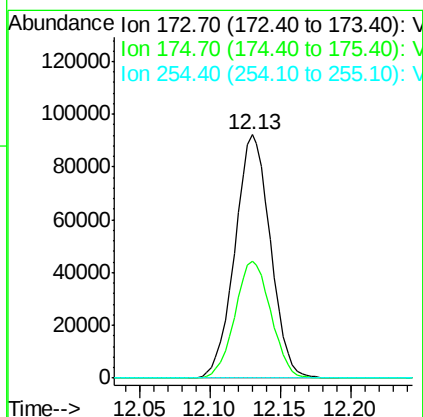
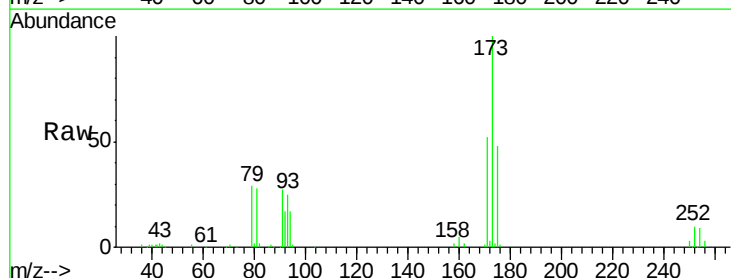
Manual Integrations
APPROVED

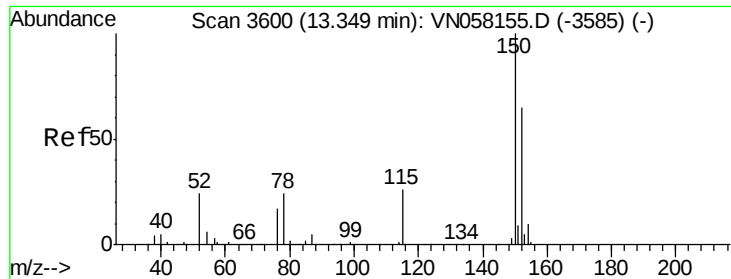
MMDadoda
9/23/2019 3:30:59 PM



#71
Bromoform
Concen: 48.585 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	162262		
175	48.8		24.2	72.6
254	0.0		0.1	0.1#





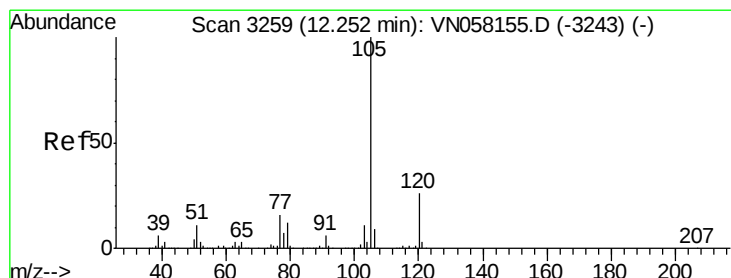
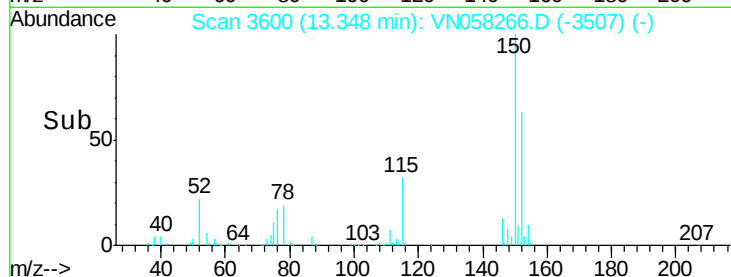
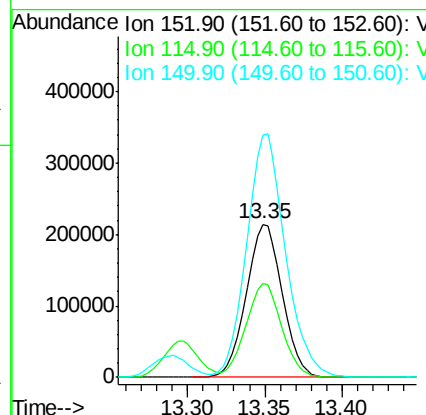
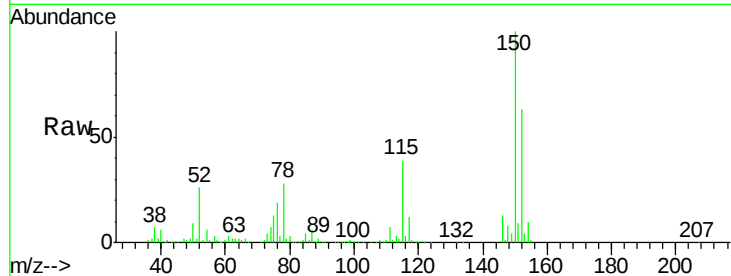
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.3
150	171.6	0.0	346.4

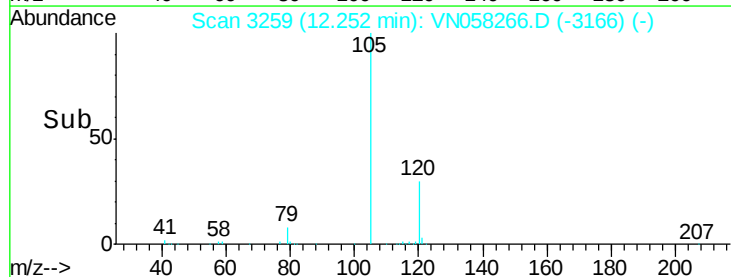
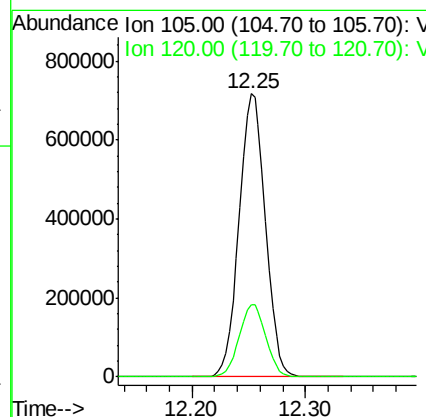
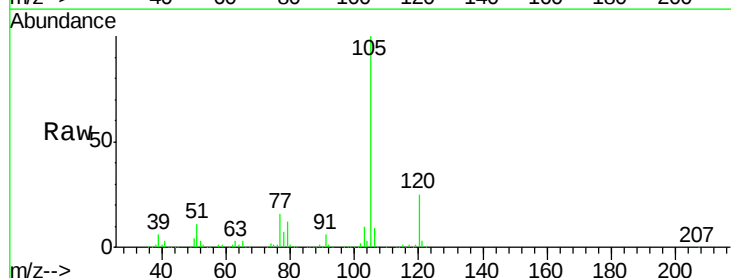
Manual Integrations
 APPROVED

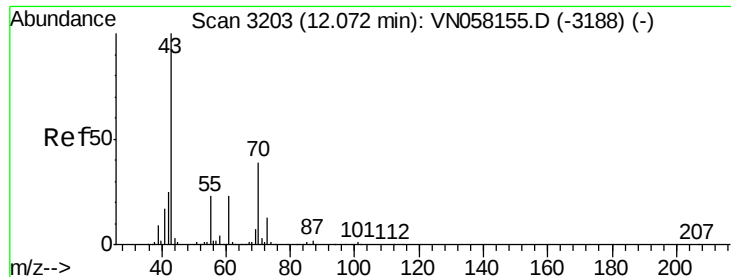
MMDadoda
 9/23/2019 3:30:59 PM



#73
 Isopropylbenzene
 Concen: 53.524 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3





#74

N-amvl acetate

Concen: 55.430 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

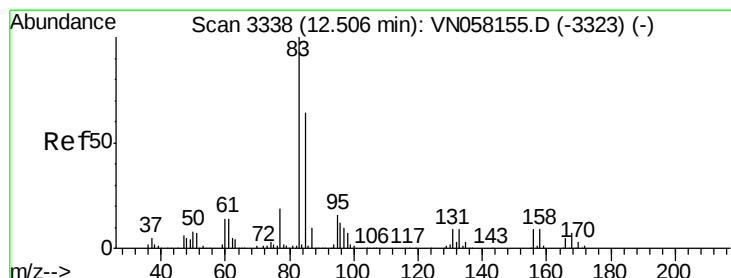
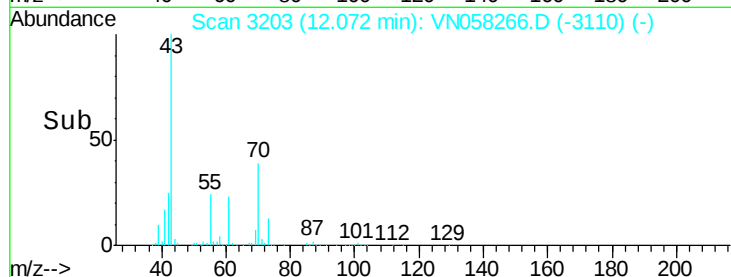
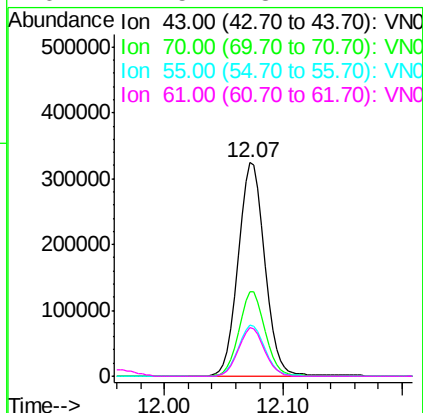
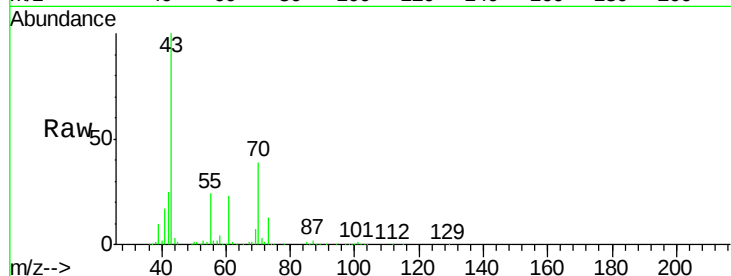
ClientSampleId :

RE132D2-20190916MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		502263		
70	39.0	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: 54.968 ug/l

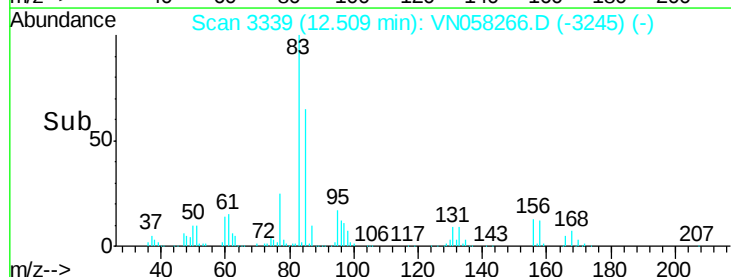
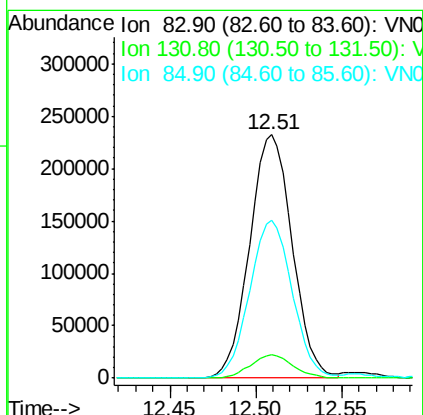
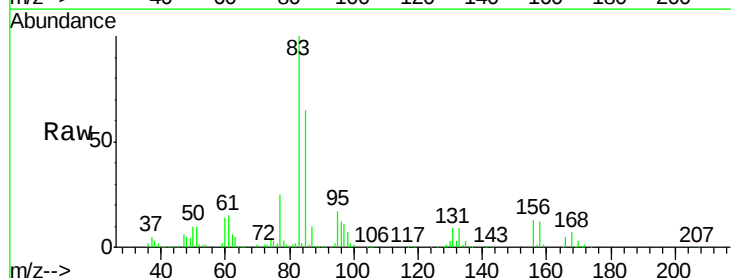
RT: 12.51 min Scan# 3339

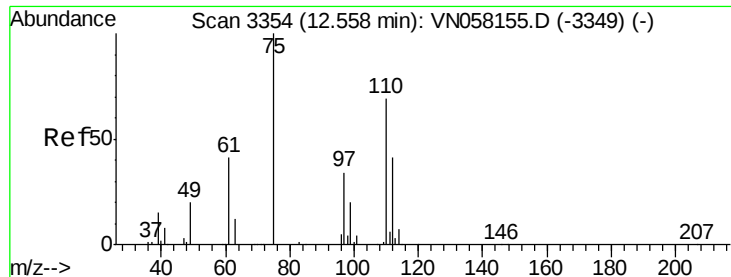
Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		398706		
131	9.5	4.8	14.3		
85	64.6	31.9	95.5		





#76

1,2,3-Trichloropropane

Concen: 59.923 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 75 Resp: 371108

Ion Ratio Lower Upper

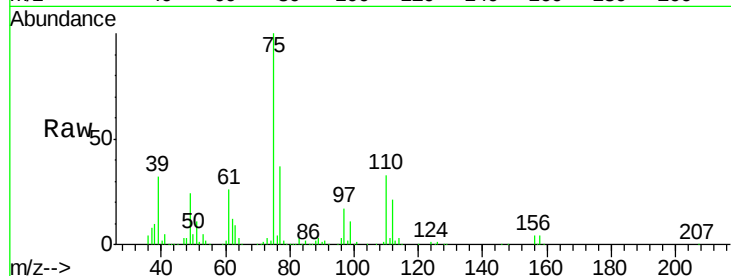
75 100

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

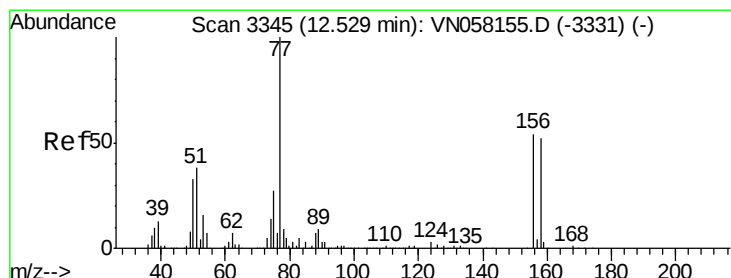
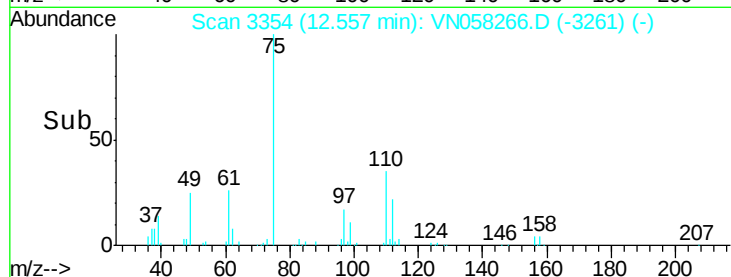
0

12.55

12.56

12.60

Time-->



#77

Bromobenzene

Concen: 50.152 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

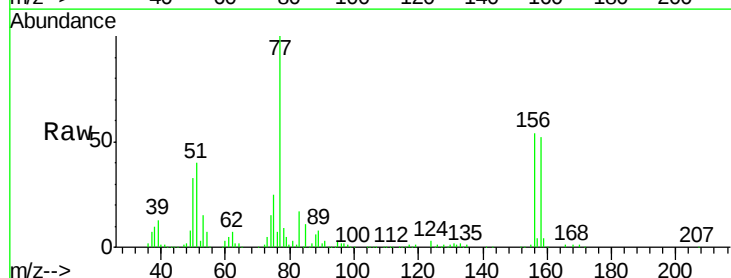
Tgt Ion: 156 Resp: 273247

Ion Ratio Lower Upper

156 100

77 227.0 111.7 335.1

158 96.5 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

100000

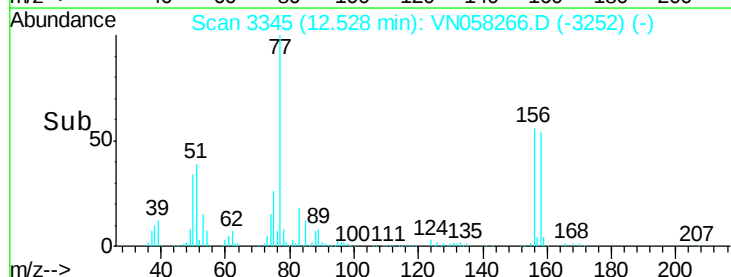
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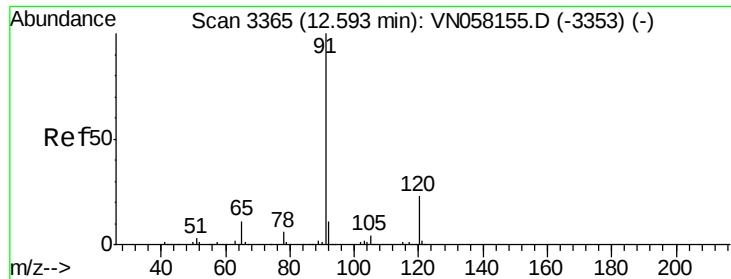
12.50

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 54.950 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 91 Resp: 1352501

Ion Ratio Lower Upper

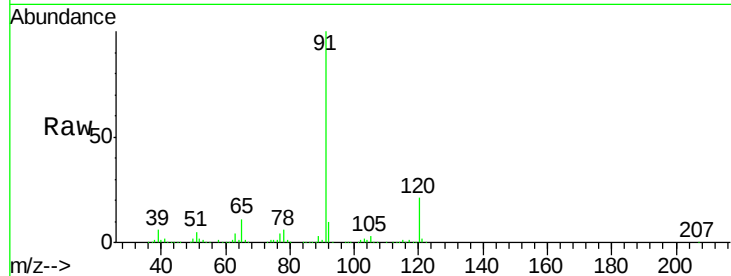
91 100

120 21.7 11.1 33.3

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

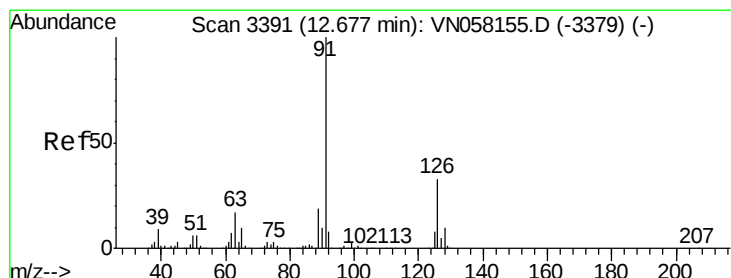
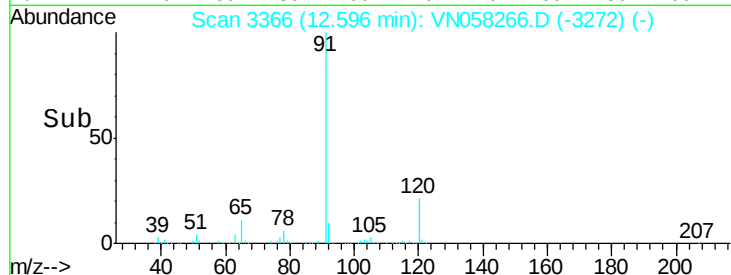
400000

200000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 52.610 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058266.D

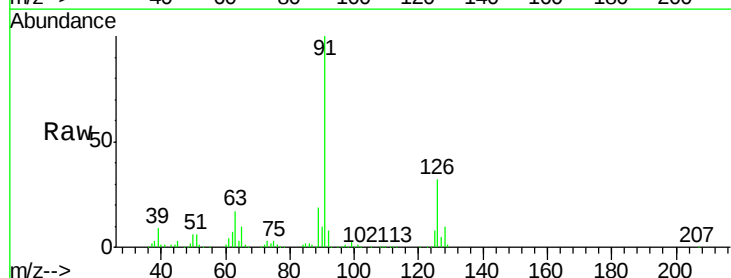
Acq: 20 Sep 2019 21:07

Tgt Ion: 91 Resp: 809277

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

800000

600000

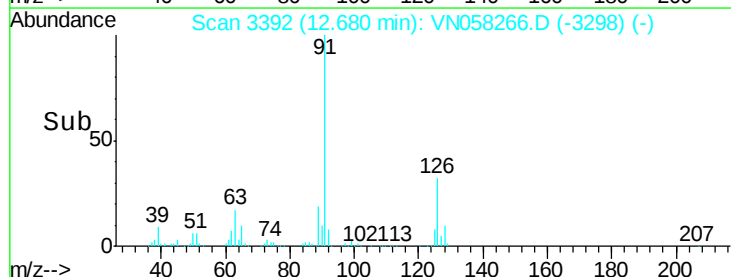
400000

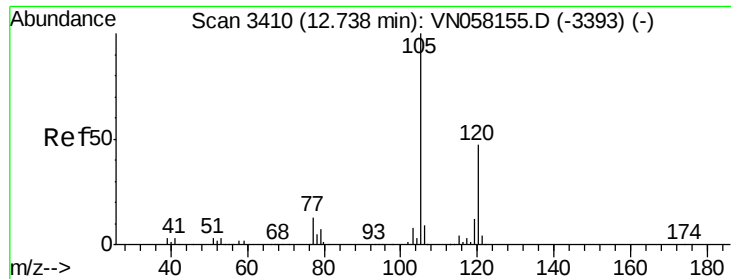
200000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 53.839 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:105 Resp: 986126

Ion Ratio Lower Upper

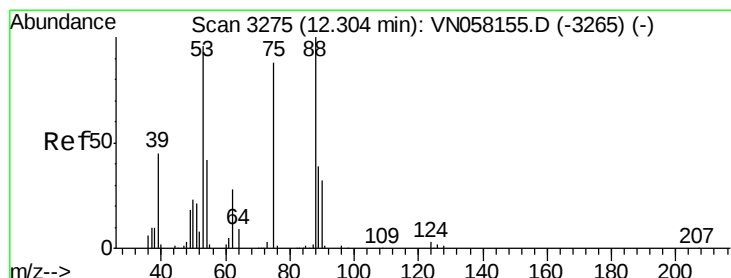
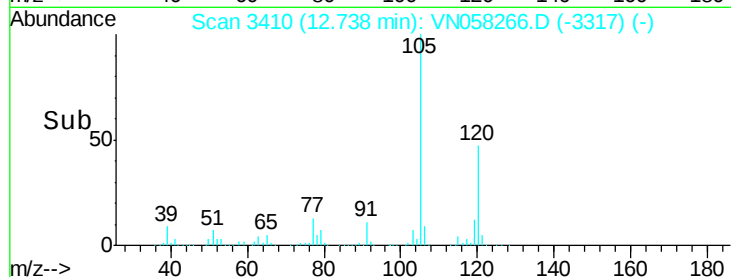
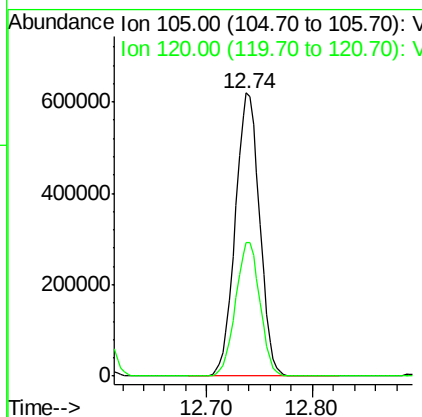
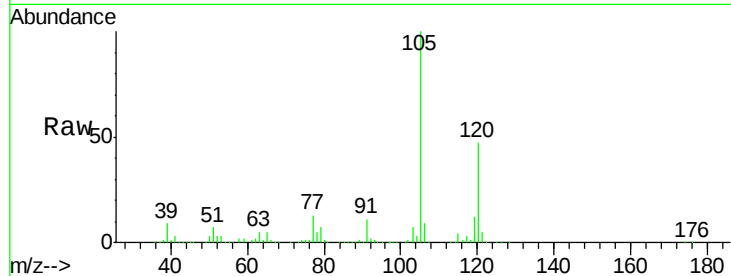
105 100

120 47.2 23.4 70.0

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#81

trans-1,4-Dichloro-2-butene

Concen: 48.023 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

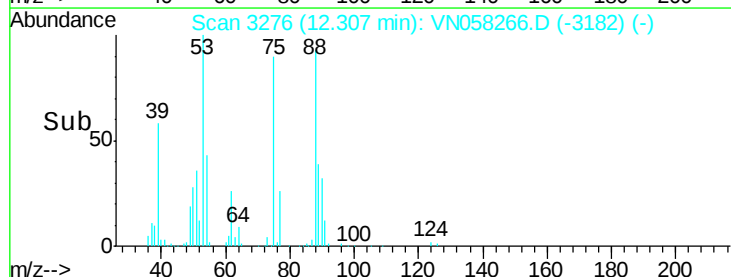
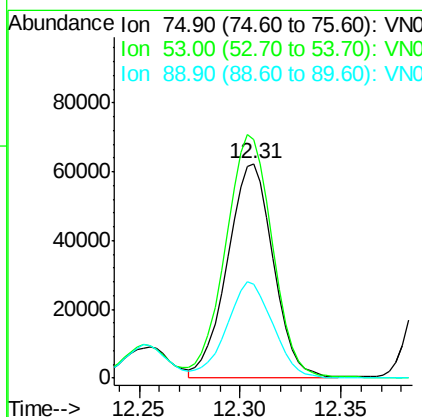
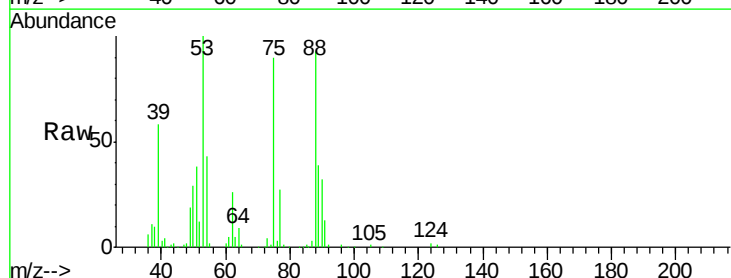
Tgt Ion: 75 Resp: 99389

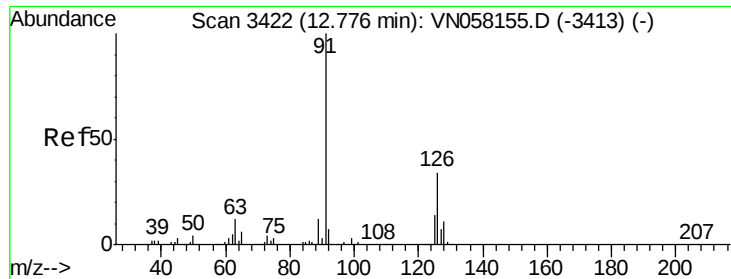
Ion Ratio Lower Upper

75 100

53 115.6 90.1 135.1

89 45.5 36.2 54.2





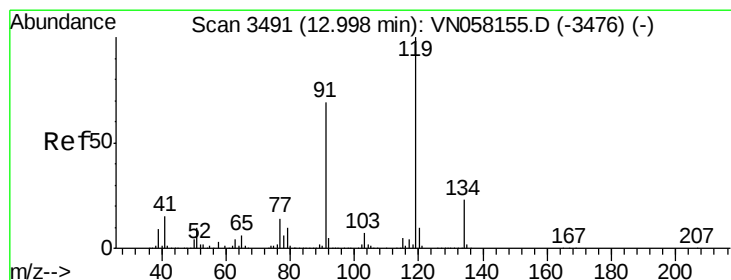
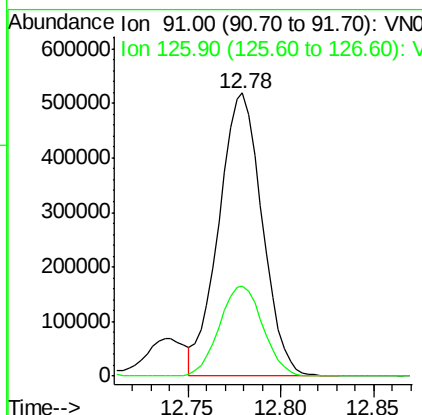
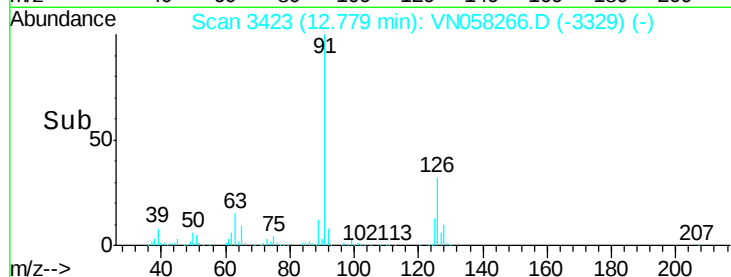
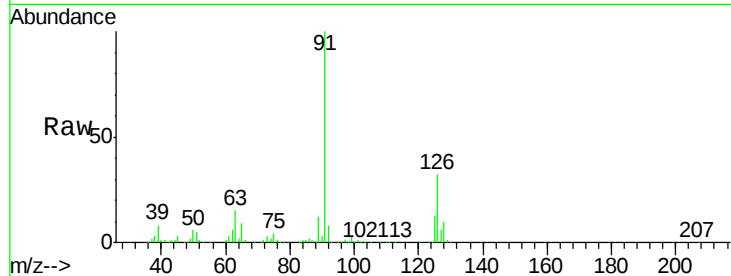
#82
4-Chlorotoluene
Concen: 51.953 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

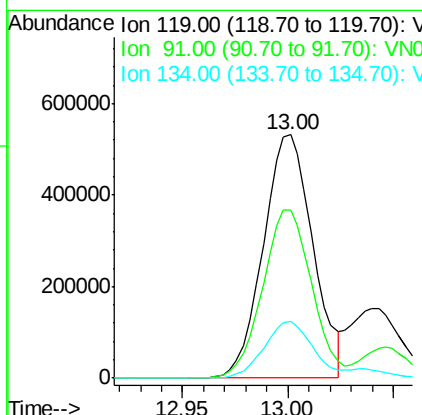
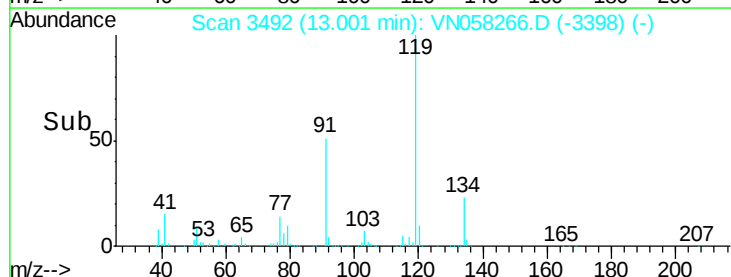
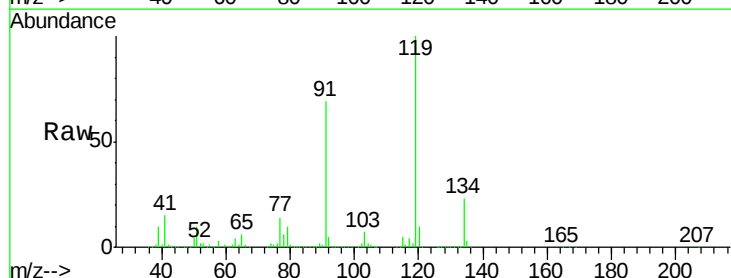
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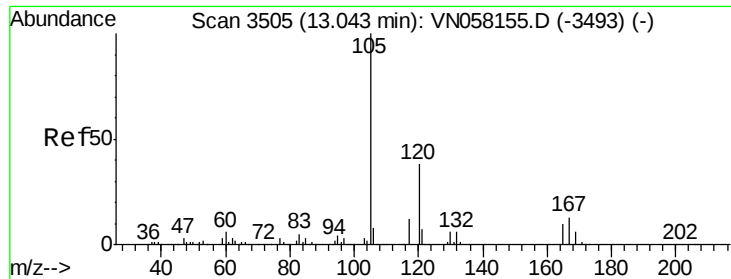
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#83
tert-Butylbenzene
Concen: 53.230 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.8	101.3
134	23.1	11.6	34.8





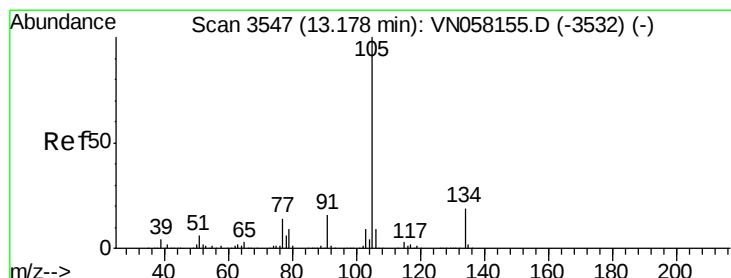
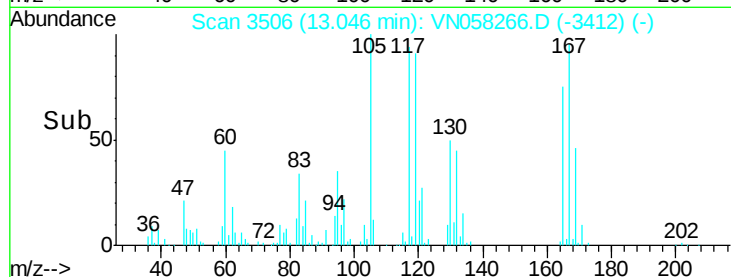
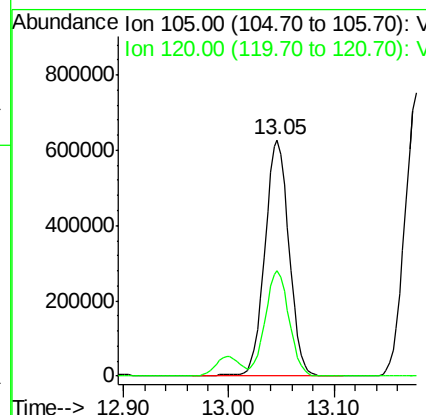
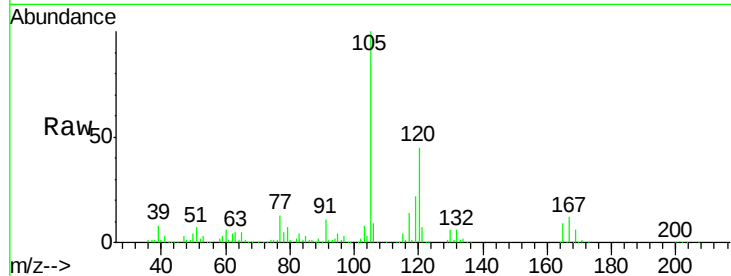
#84
 1,2,4-Trimethylbenzene
 Concen: 55.042 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion:105 Resp: 1003274
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

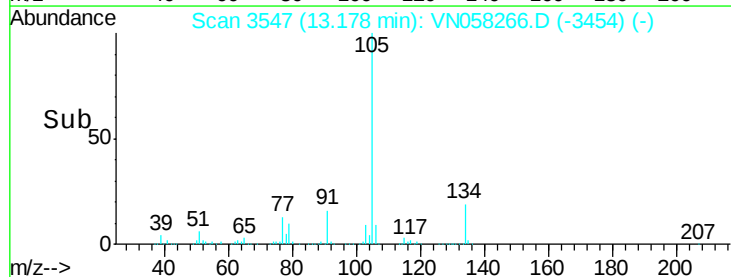
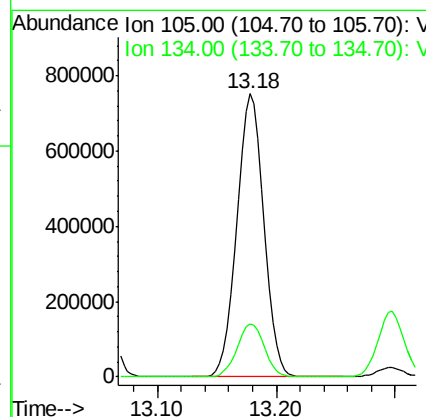
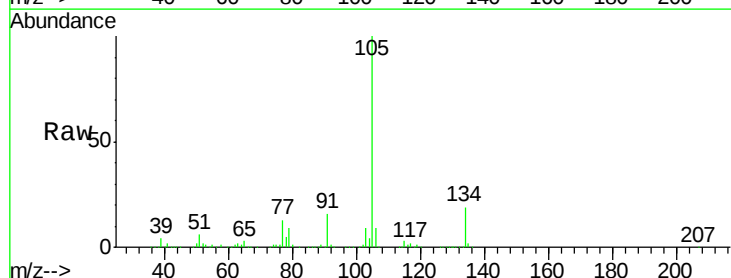
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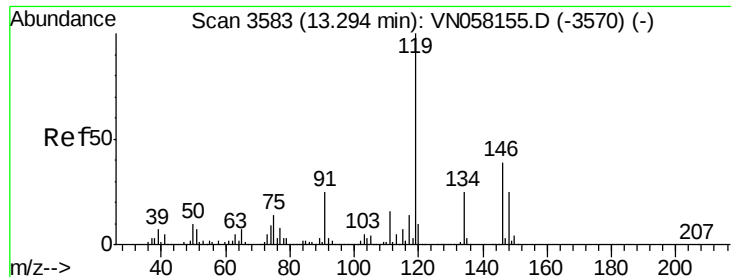
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#85
 sec-Butylbenzene
 Concen: 55.074 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion:105 Resp: 1176333
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5





#86

p-Isopropyltoluene

Concen: 54.959 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion:119 Resp: 1043594

Ion Ratio Lower Upper

119 100

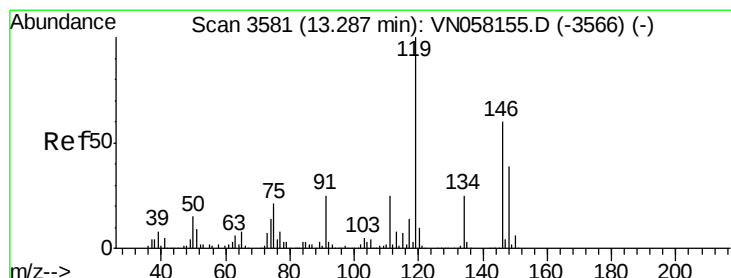
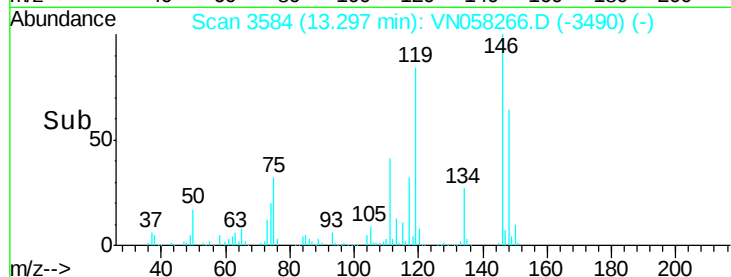
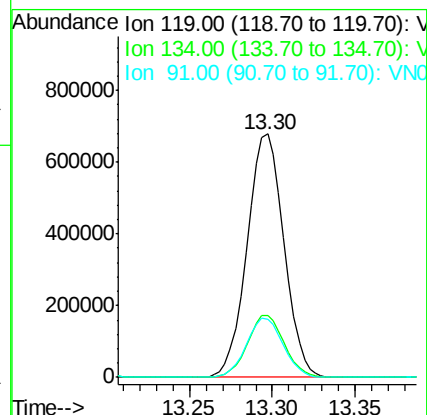
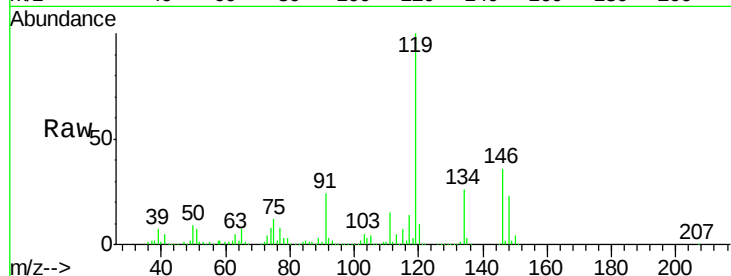
134 25.6 12.7 38.0

91 24.4 12.3 36.8

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#87

1,3-Dichlorobenzene

Concen: 52.222 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

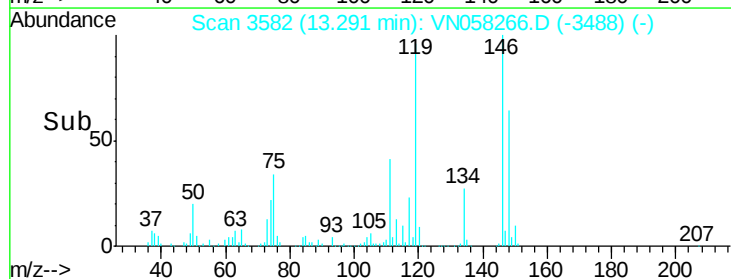
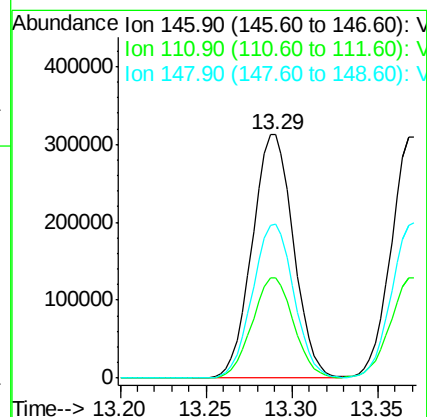
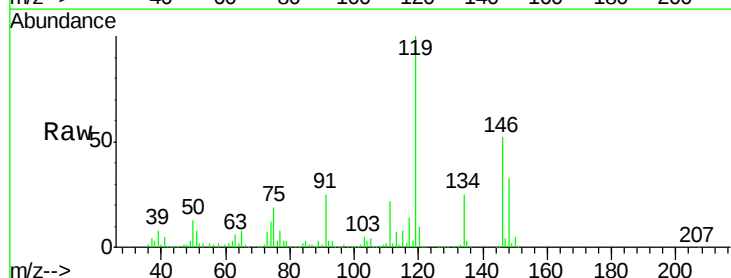
Tgt Ion:146 Resp: 519679

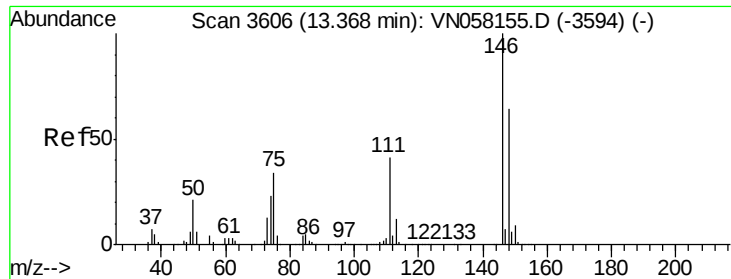
Ion Ratio Lower Upper

146 100

111 41.3 20.9 62.8

148 63.3 32.0 96.2





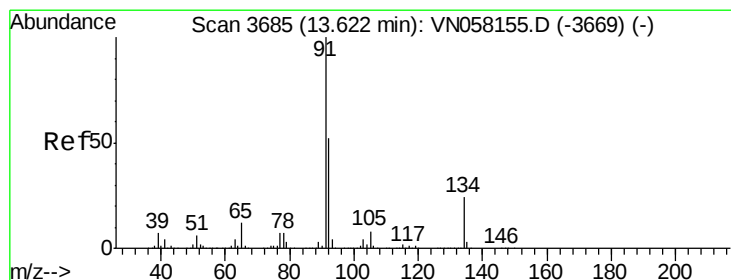
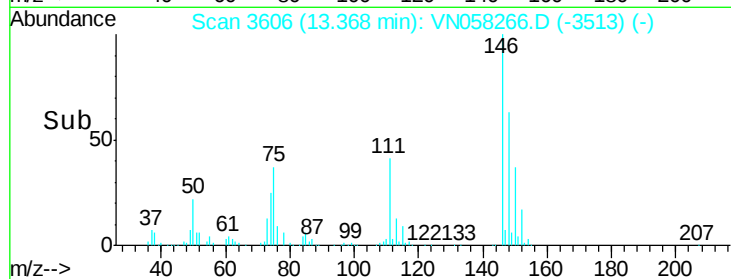
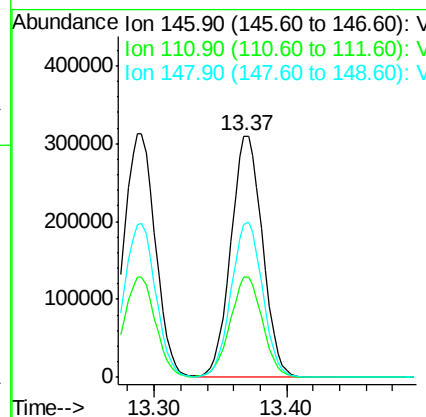
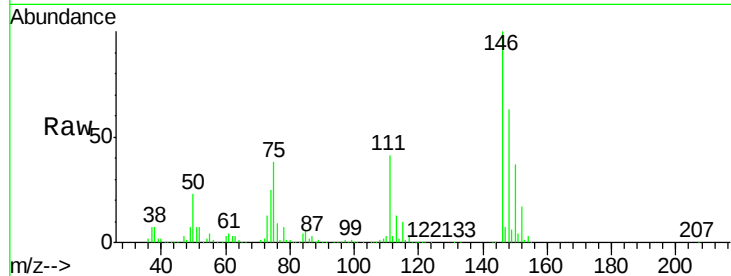
#88
 1,4-Dichlorobenzene
 Concen: 50.467 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	512724		
111	42.1	20.5	61.5	
148	63.5	31.9	95.5	

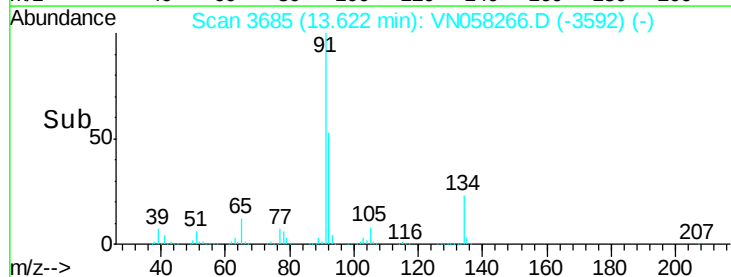
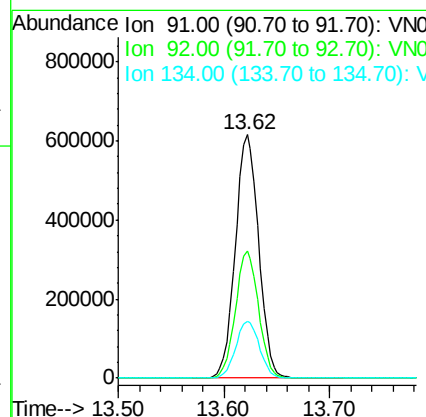
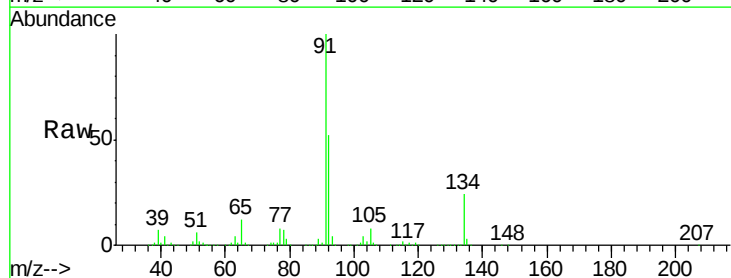
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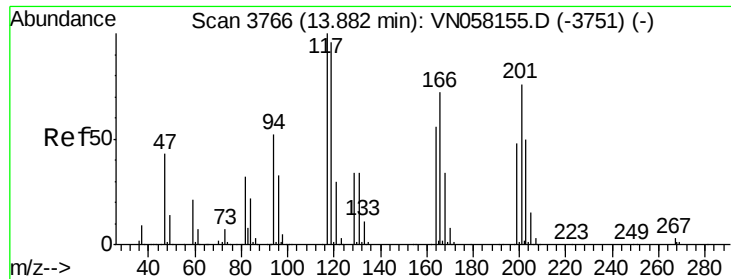
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 9/23/2019 3:30:59 PM



#89
 n-Butylbenzene
 Concen: 52.221 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	940134		
92	51.7	25.7	77.0	
134	23.7	11.8	35.4	





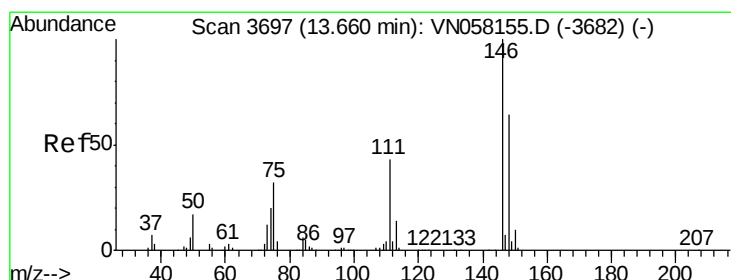
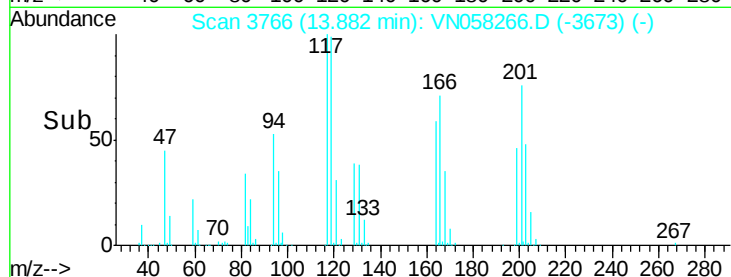
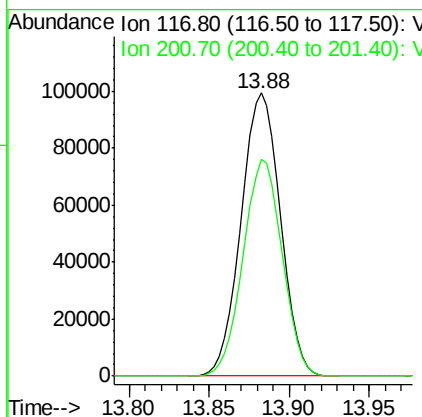
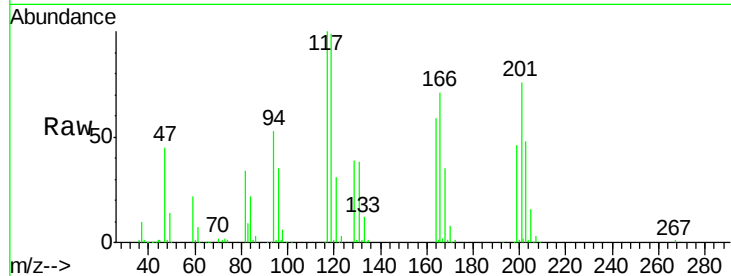
#90
Hexachloroethane
Concen: 50.079 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :
RE132D2-20190916MSD

Tot Ion:117 Resp: 166769
Ion Ratio Lower Upper
117 100
201 76.0 37.5 112.5

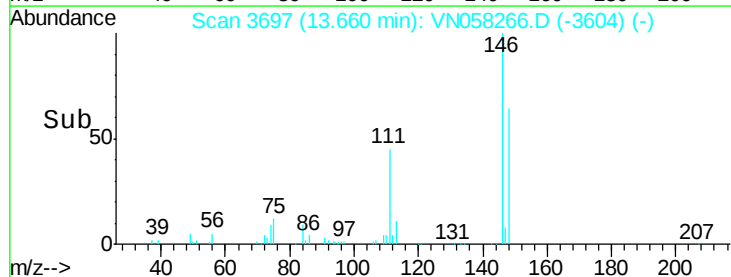
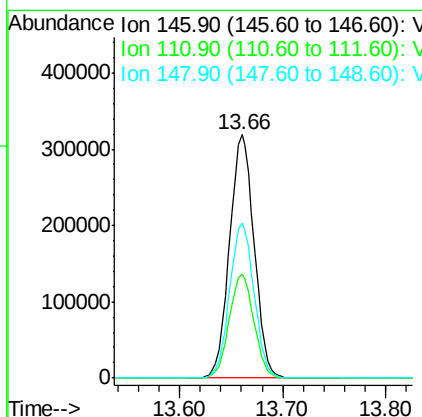
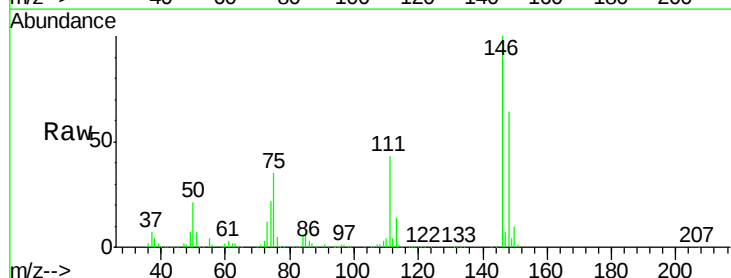
Manual Integrations
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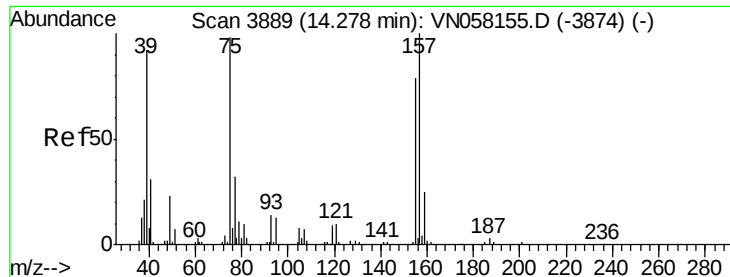
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#91
1,2-Dichlorobenzene
Concen: 53.192 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN058266.D
Acq: 20 Sep 2019 21:07

Tgt Ion:146 Resp: 530987
Ion Ratio Lower Upper
146 100
111 42.9 21.1 63.1
148 63.4 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.012 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

RE132D2-20190916MSD

Tot Ion: 75 Resp: 75755

Ion Ratio Lower Upper

75 100

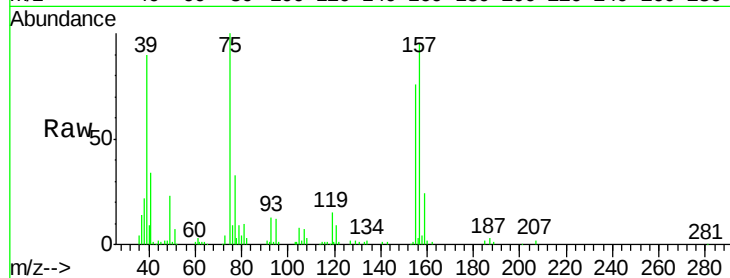
155 77.8 38.3 114.8

157 97.6 48.0 144.0

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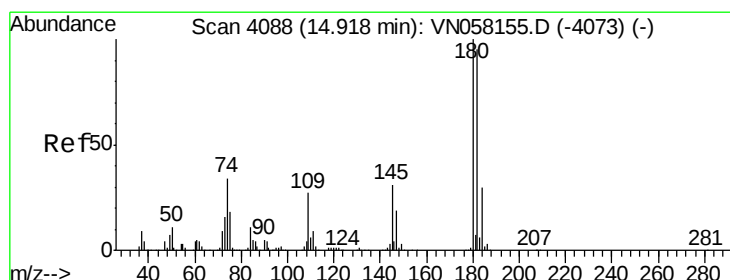
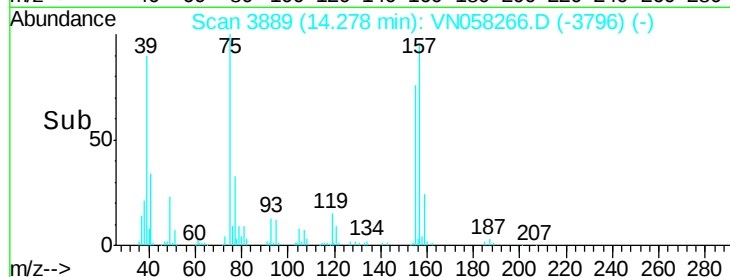
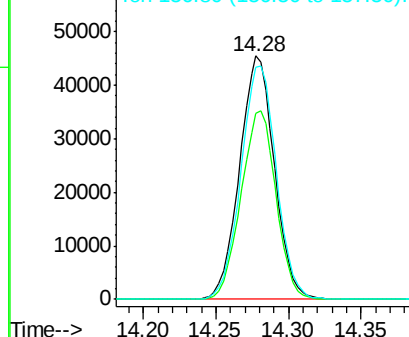
9/23/2019 3:30:59 PM



Abundance Ion 74.90 (74.60 to 75.60): VN058266.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058266.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058266.D (-3796) (-)



#93

1,2,4-Trichlorobenzene

Concen: 50.451 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

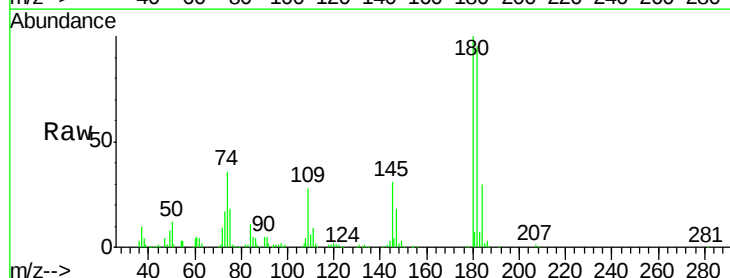
Tgt Ion: 180 Resp: 321777

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

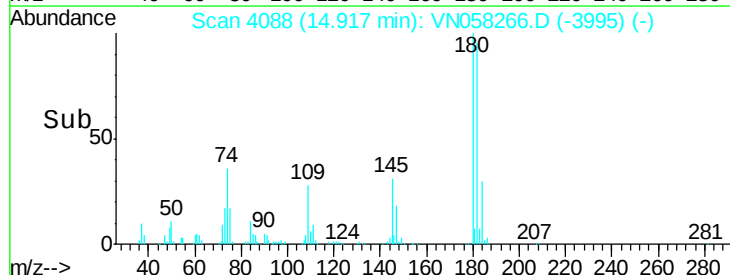
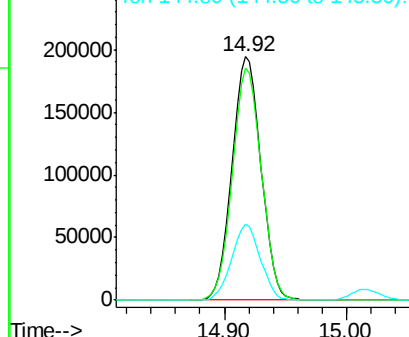
145 30.7 15.4 46.4

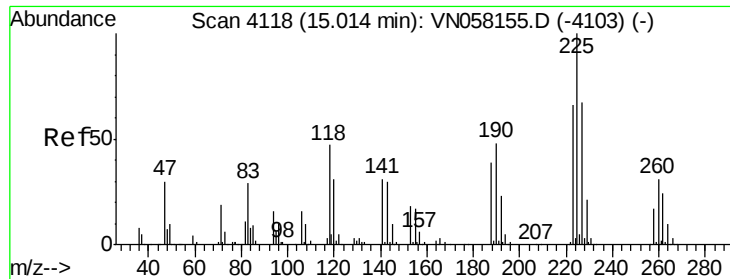


Abundance Ion 179.80 (179.50 to 180.50): VN058266.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058266.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058266.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 46.614 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Instrument :

MSVOA_N

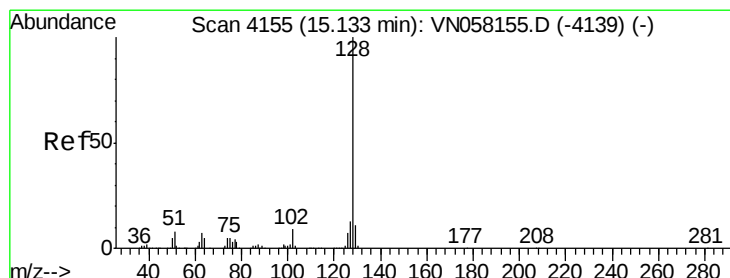
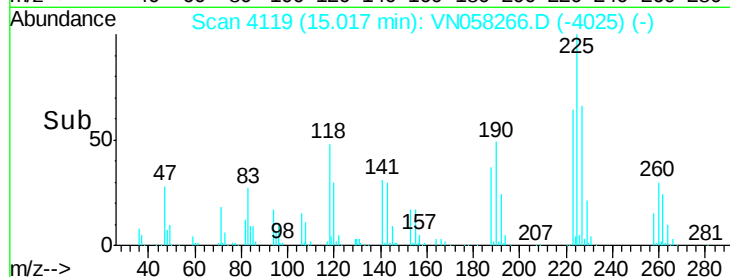
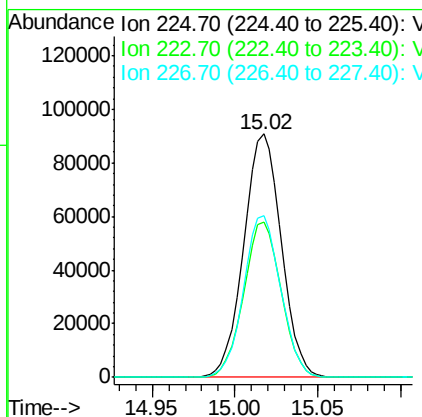
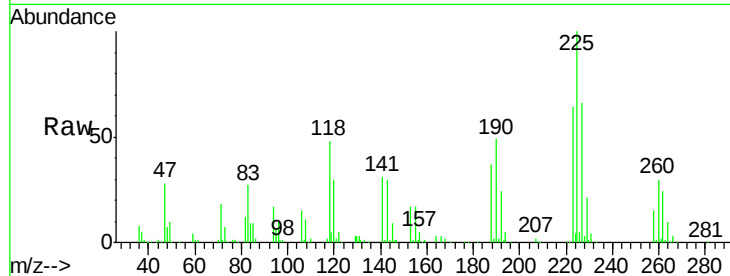
ClientSampleId :

RE132D2-20190916MSD

Tot Ion:	225	Resp:	143698
Ion Ratio		Lower	Upper
225	100		
223	63.4	32.6	97.7
227	65.4	33.0	99.0

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#95

Naphthalene

Concen: 58.011 ug/l

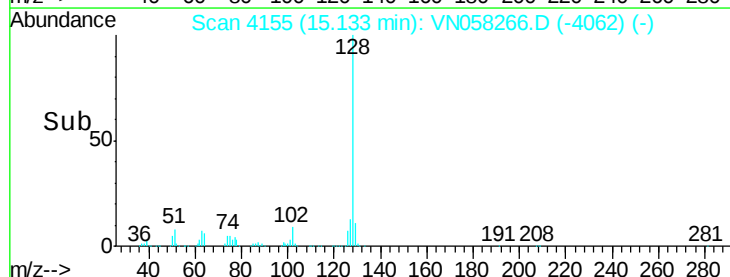
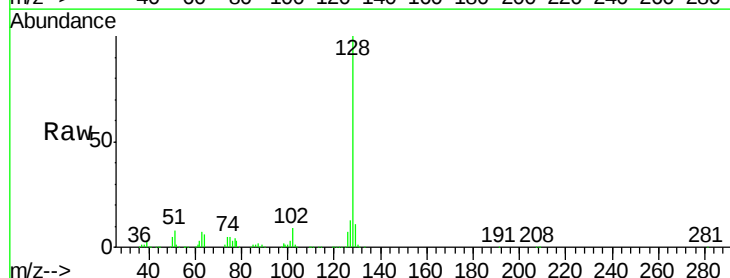
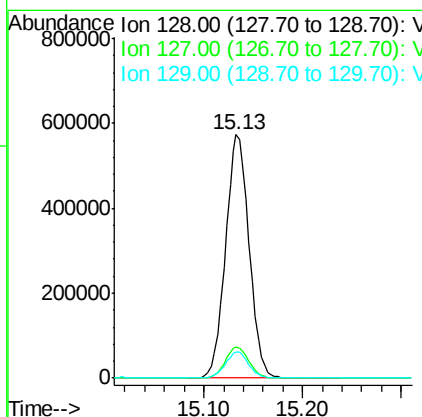
RT: 15.13 min Scan# 4155

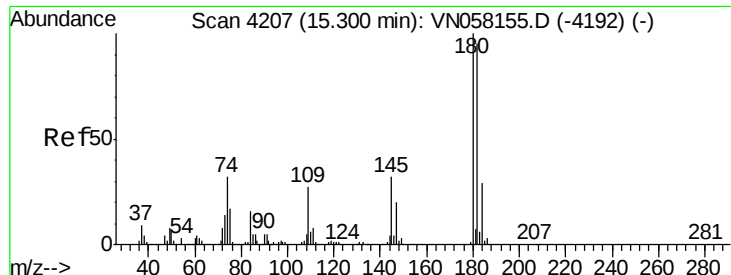
Delta R.T. -0.00 min

Lab File: VN058266.D

Acq: 20 Sep 2019 21:07

Tgt Ion:	128	Resp:	958863
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8





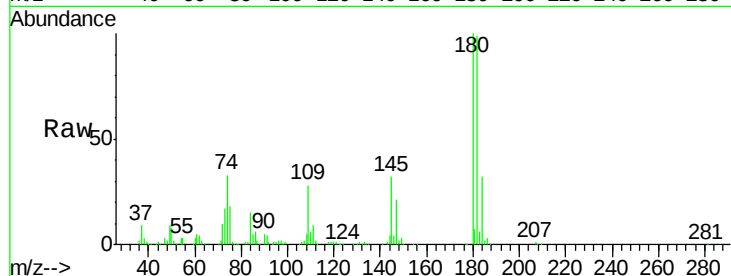
#96
 1,2,3-Trichlorobenzene
 Concen: 51.636 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058266.D
 Acq: 20 Sep 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Tot Ion:	180	Resp:	311276
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.4	142.2
145	32.4	16.1	48.2

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

