

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058224.D
 Acq On : 19 Sep 2019 22:56
 Operator : JC/SP
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:36:27 PM

Quant Time: Sep 20 07:21:55 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	486768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	849337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	361176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	371009	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.57	113	263395	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1038854	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	367940	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78356	19.595	ug/l	99
3) Chloromethane	2.04	50	63939	20.127	ug/l	100
4) Vinyl Chloride	2.17	62	68998	19.926	ug/l	99
5) Bromomethane	2.55	94	20436	12.011	ug/l	96
6) Chloroethane	2.69	64	44613	19.599	ug/l	95
7) Trichlorofluoromethane	3.00	101	104035	19.061	ug/l	100
8) Diethyl Ether	3.39	74	51835	20.727	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77515	19.698	ug/l	98
10) Methyl Iodide	3.93	142	31513	9.557	ug/l #	96
11) Tert butyl alcohol	4.76	59	80558	99.890	ug/l	97
12) 1,1-Dichloroethene	3.72	96	62708	20.790	ug/l	98
13) Acrolein	3.59	56	16693	139.673	ug/l	99
14) Allyl chloride	4.30	41	125072	19.423	ug/l	99
15) Acrylonitrile	4.96	53	230278	107.173	ug/l	99
16) Acetone	3.80	43	194648	84.581	ug/l	99
17) Carbon Disulfide	4.03	76	77721	18.660	ug/l	96
18) Methyl Acetate	4.30	43	125687	20.756	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	321791	21.681	ug/l	97
20) Methylene Chloride	4.53	84	87332	21.549	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67906	20.630	ug/l	99
22) Diisopropyl ether	5.93	45	349246	21.352	ug/l	96
23) Vinyl Acetate	5.87	43	1230065	109.902	ug/l	100
24) 1,1-Dichloroethane	5.83	63	182402	20.894	ug/l	99
25) 2-Butanone	6.82	43	310023	98.883	ug/l	97
26) 2,2-Dichloropropane	6.81	77	118096	15.945	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	102153	20.694	ug/l	98
28) Bromochloromethane	7.18	49	91268	22.100	ug/l	100
29) Tetrahydrofuran	7.19	42	199209	103.151	ug/l	99
30) Chloroform	7.36	83	195377	20.791	ug/l	95
31) Cyclohexane	7.64	56	118578	19.542	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	146241	20.442	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109222	17.832	ug/l	99
37) Ethyl Acetate	6.91	43	131514	20.690	ug/l	99
38) Carbon Tetrachloride	7.76	117	112584	18.286	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	110380	18.683	ug/l	99
40) Benzene	8.03	78	362456	19.375	ug/l	99
41) Methacrylonitrile	7.16	41	68022	21.766	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155216	19.773	ug/l	100
43) Isopropyl Acetate	8.15	43	230992	19.458	ug/l	99
44) Trichloroethene	8.82	130	89083	19.459	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114162	20.434	ug/l	97
46) Dibromomethane	9.20	93	67658	19.919	ug/l	100
47) Bromodichloromethane	9.40	83	139960	19.668	ug/l	97
48) Methyl methacrylate	9.19	41	107869	20.013	ug/l	99
49) 1,4-Dioxane	9.19	88	31830	359.684	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	717545	113.797	ug/l	98
52) Toluene	10.15	92	229944	19.612	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138017	18.934	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154457	19.192	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	108410	20.836	ug/l	98
56) Ethyl methacrylate	10.43	69	160496	21.379	ug/l	98
57) 1,3-Dichloropropane	10.71	76	183240	20.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	401981	112.417	ug/l	100
59) 2-Hexanone	10.75	43	506503	108.157	ug/l	98
60) Dibromochloromethane	10.90	129	98333	19.645	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97258	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	70852	18.989	ug/l	97
65) Chlorobenzene	11.43	112	265641	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	98953	20.270	ug/l	99
67) Ethyl Benzene	11.51	91	473950	20.545	ug/l	100
68) m/p-Xylenes	11.62	106	342791	39.454	ug/l	98
69) o-Xylene	11.95	106	168560	19.730	ug/l	98
70) Styrene	11.97	104	298518	20.280	ug/l	99
71) Bromoform	12.13	173	59725	18.910	ug/l #	98
73) Isopropylbenzene	12.25	105	491432	21.738	ug/l	99
74) N-amyl acetate	12.07	43	225223	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	163791	21.635	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	133380m	20.635	ug/l	
77) Bromobenzene	12.53	156	114355	20.109	ug/l	98
78) n-propylbenzene	12.59	91	552825	21.519	ug/l	100
79) 2-Chlorotoluene	12.68	91	342141	21.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	410971	21.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33902	19.585	ug/l	93
82) 4-Chlorotoluene	12.78	91	346991	20.560	ug/l	98
83) tert-Butylbenzene	13.00	119	358136	21.007	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	423484	22.260	ug/l	98
85) sec-Butylbenzene	13.18	105	484187	21.719	ug/l	99
86) p-Isopropyltoluene	13.29	119	428529	21.622	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216896	20.882	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	216963	20.461	ug/l	98
89) n-Butylbenzene	13.62	91	388204	20.660	ug/l	100
90) Hexachloroethane	13.88	117	61393	19.490	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	222733	21.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28619	20.998	ug/l	97

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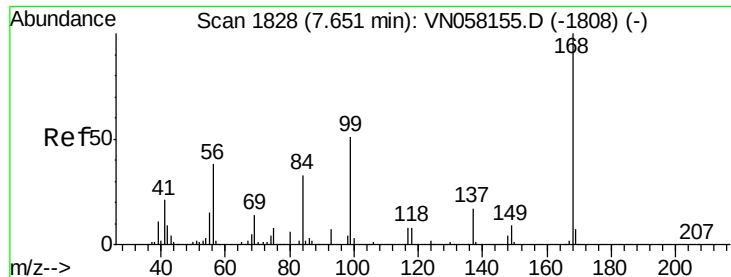
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	137565	20.665	ug/l	98
94) Hexachlorobutadiene	15.01	225	63896	19.859	ug/l	95
95) Naphthalene	15.13	128	390838	22.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	131019	20.823	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:168 Resp: 486768

Ion Ratio Lower Upper

168 100

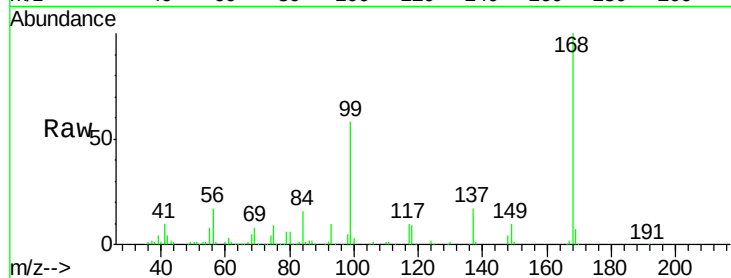
99 57.8 47.4 71.2

Manual Integrations

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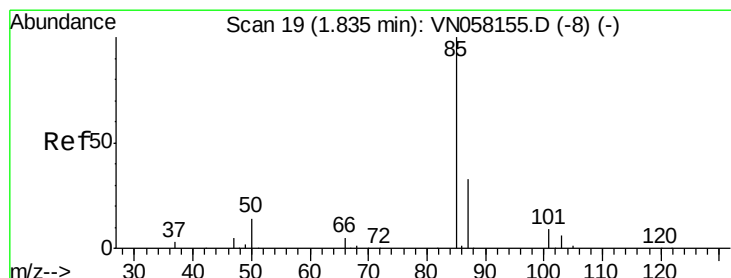
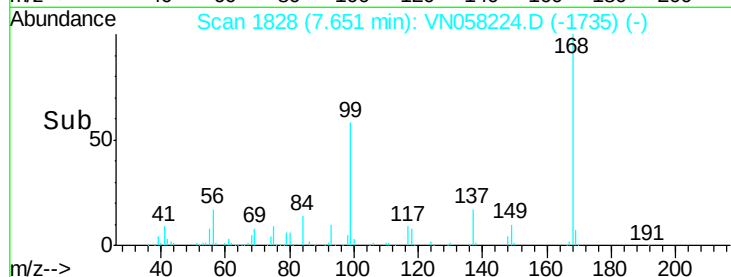
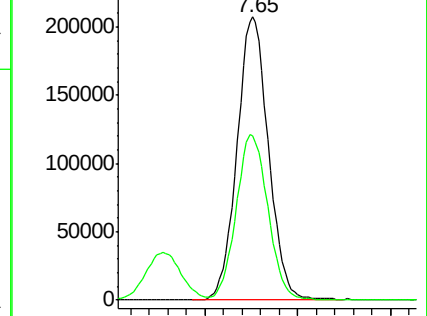
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.595 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058224.D

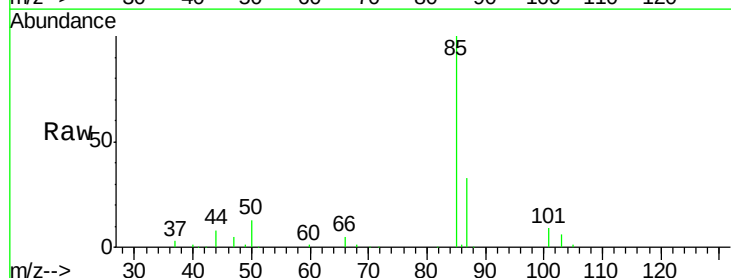
Acq: 19 Sep 2019 22:56

Tgt Ion: 85 Resp: 78356

Ion Ratio Lower Upper

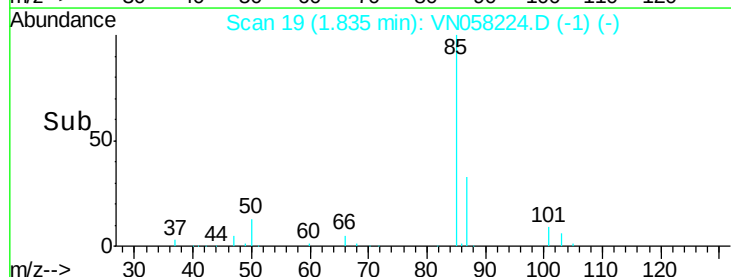
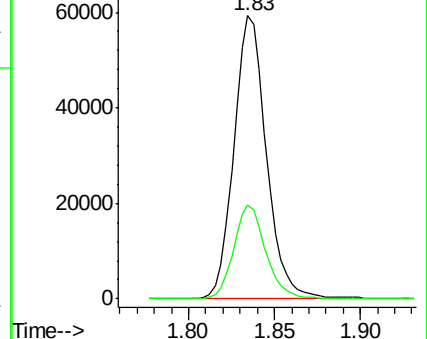
85 100

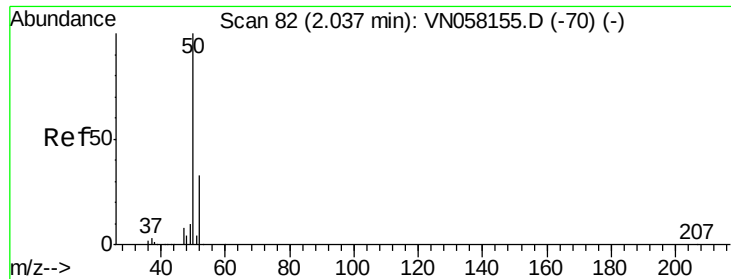
87 33.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.127 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 50 Resp: 63939

Ion Ratio Lower Upper

50 100

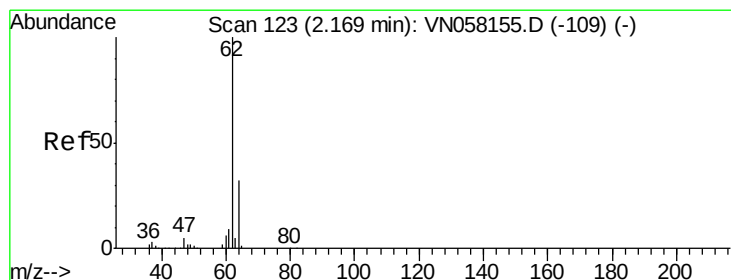
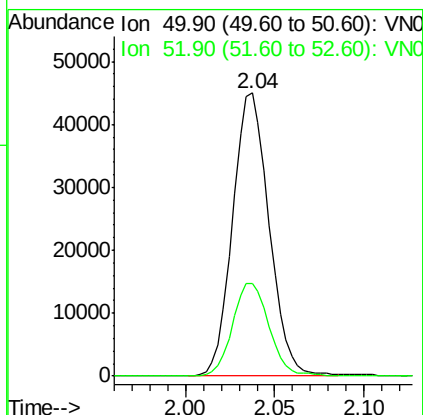
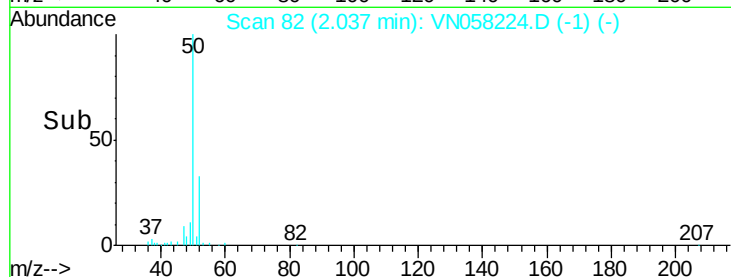
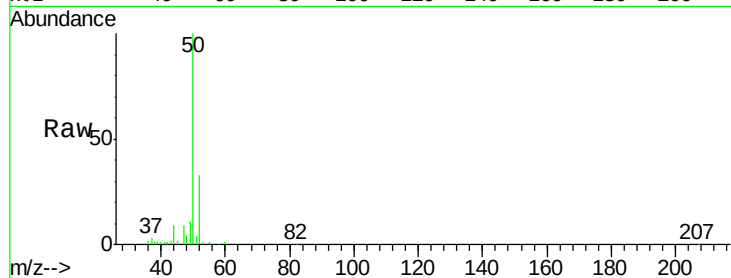
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.926 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058224.D

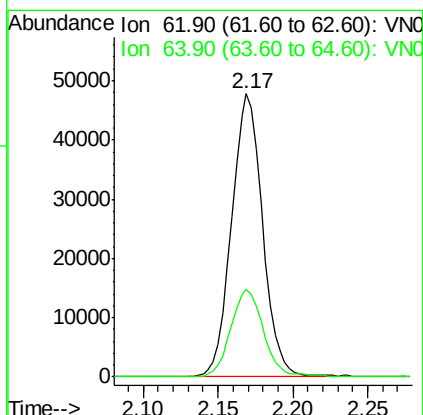
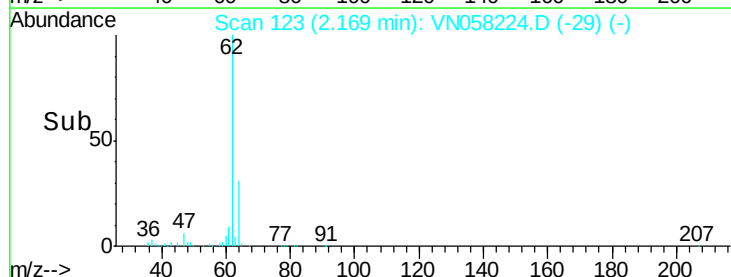
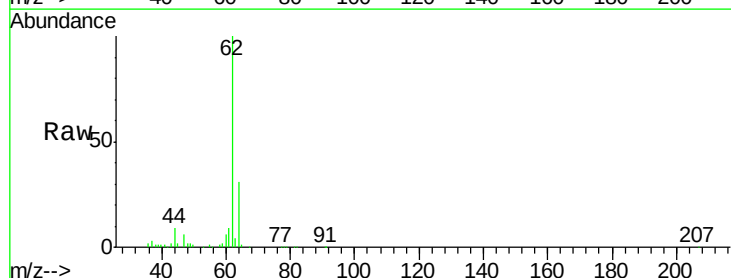
Acq: 19 Sep 2019 22:56

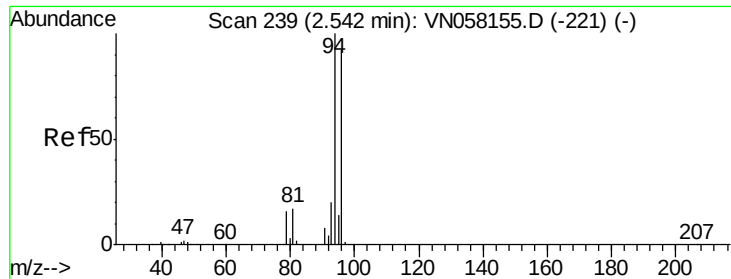
Tgt Ion: 62 Resp: 68998

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 12.011 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 94 Resp: 20436

Ion Ratio Lower Upper

94 100

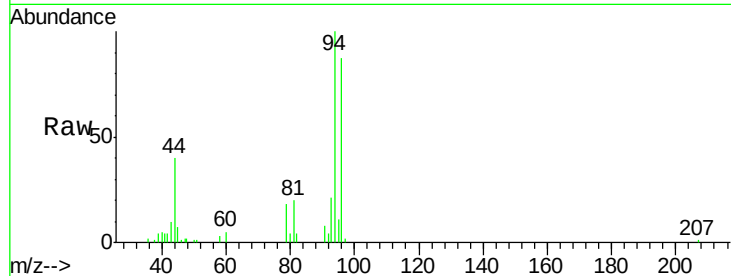
96 87.4 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

12000

10000

8000

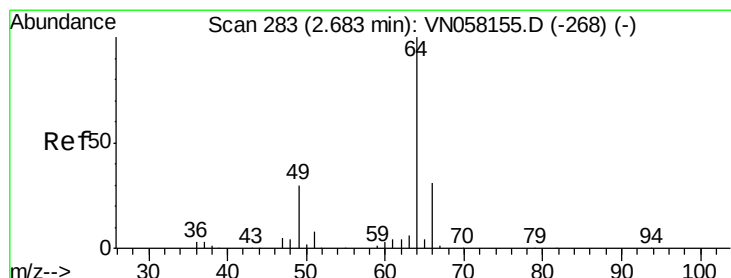
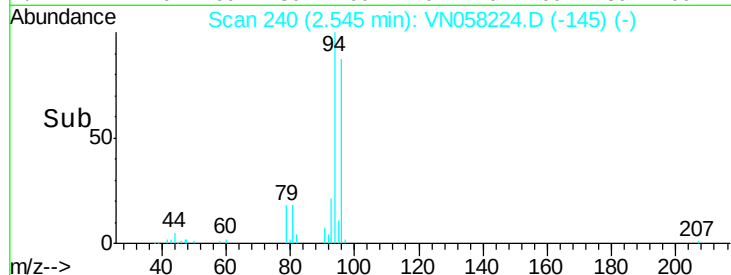
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 19.599 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058224.D

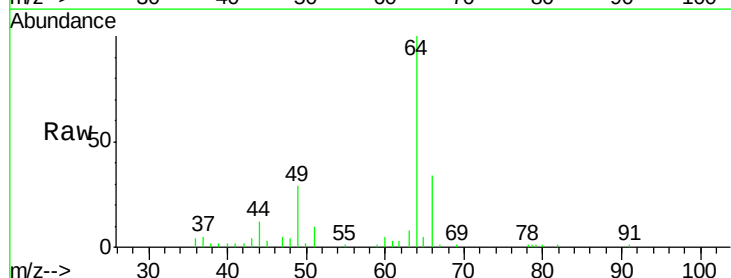
Acq: 19 Sep 2019 22:56

Tgt Ion: 64 Resp: 44613

Ion Ratio Lower Upper

64 100

66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

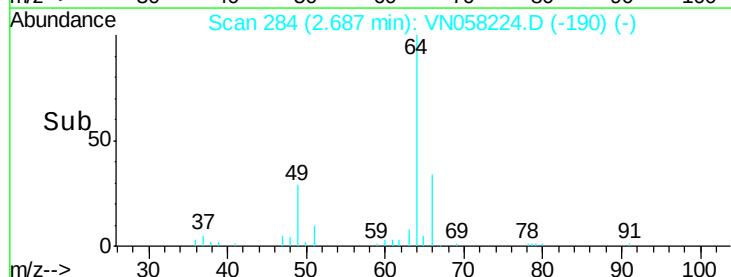
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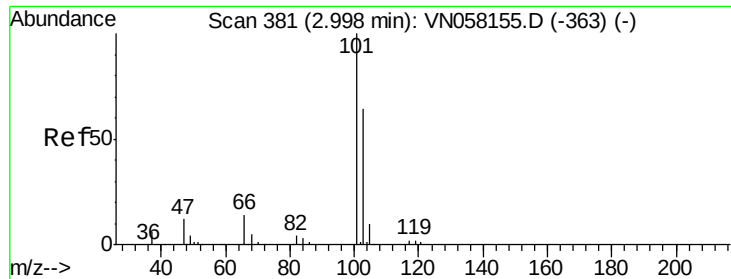
10000

5000

0

Time-->





#7

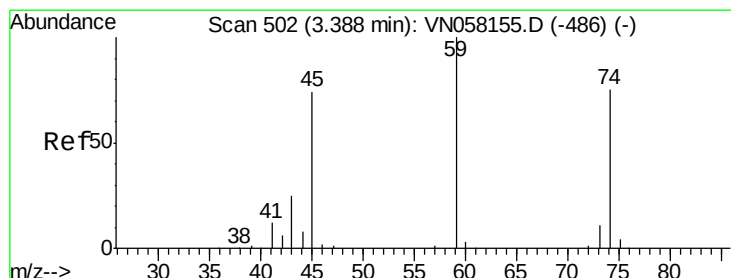
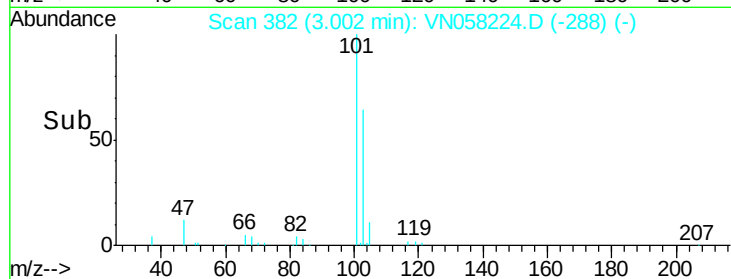
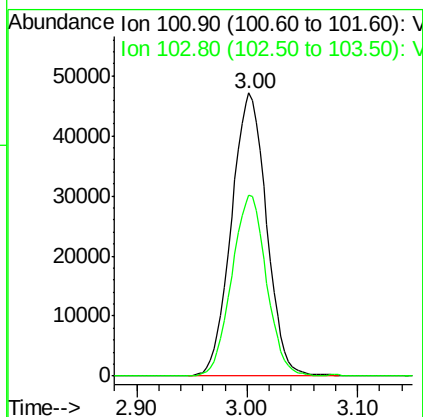
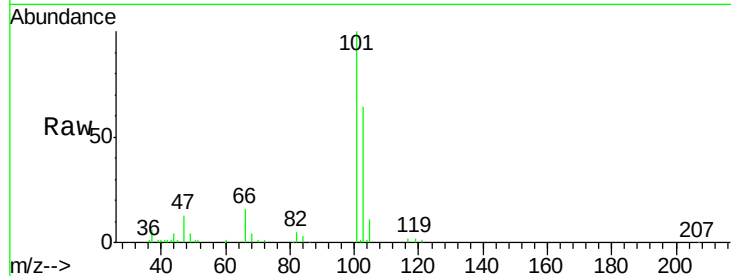
Trichlorofluoromethane
Concen: 19.061 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
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ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

Manual Integrations
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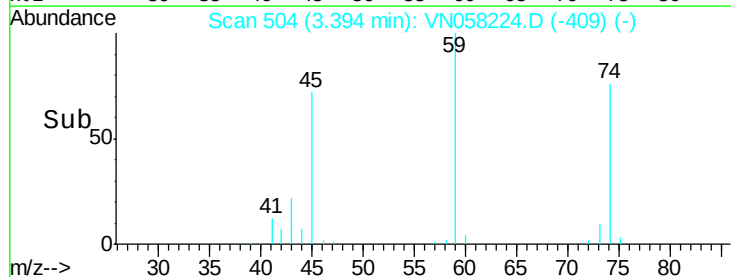
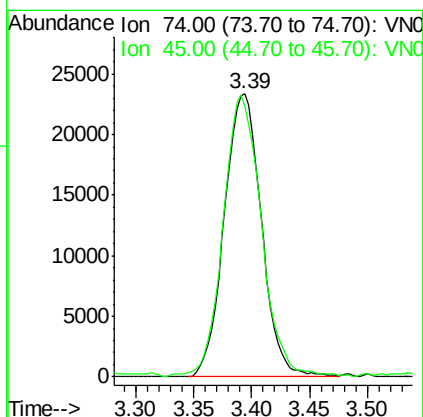
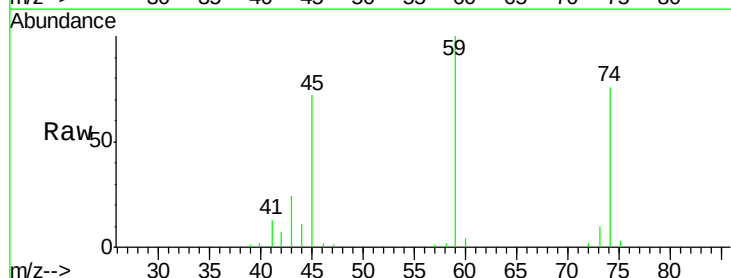
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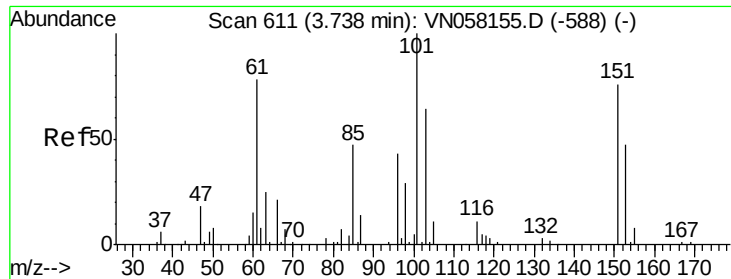


#8

Diethyl Ether
Concen: 20.727 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	48.5	145.5





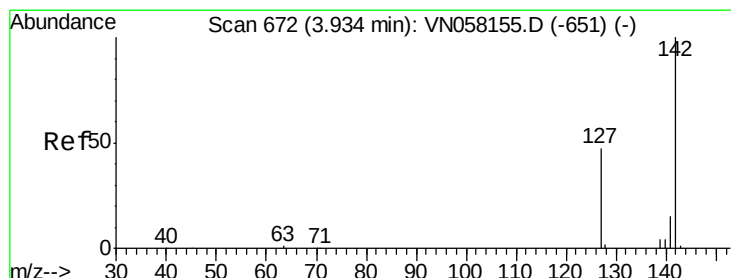
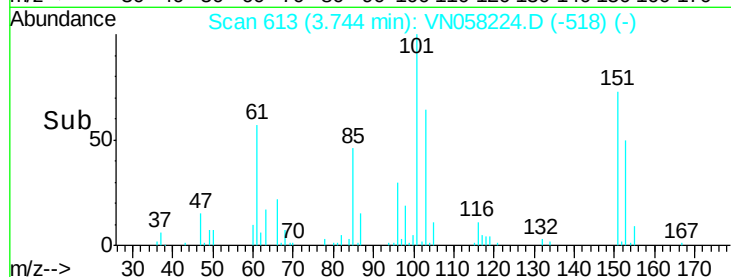
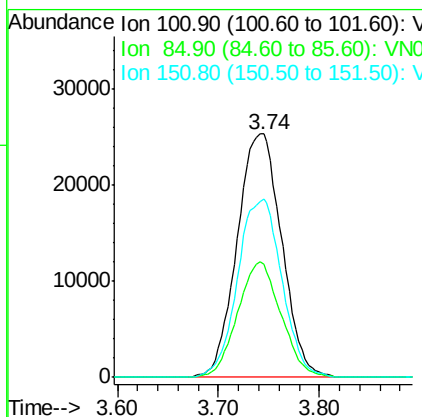
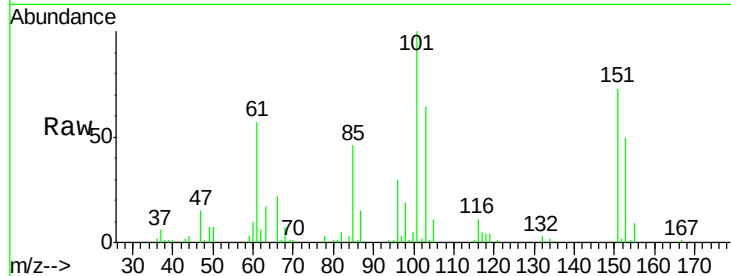
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.698 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

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 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.3	55.9
151	72.7	59.6	89.4

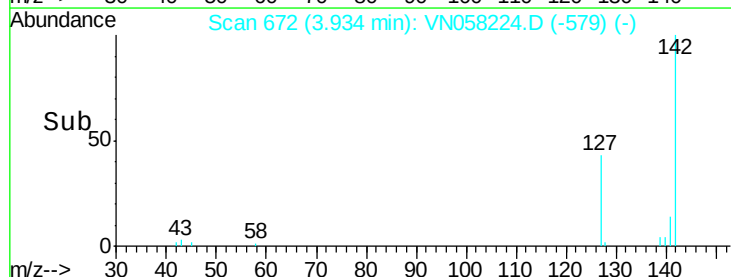
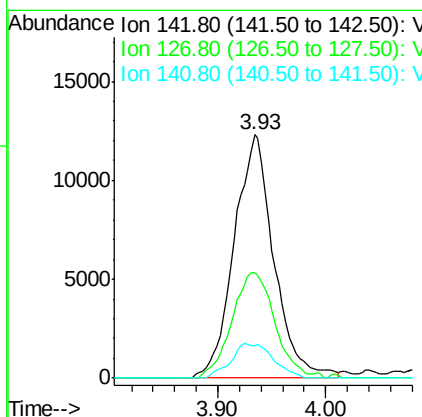
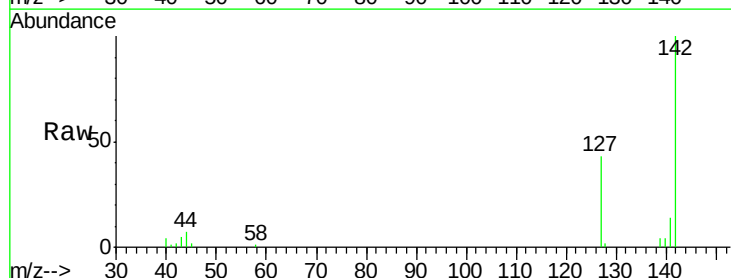
Manual Integrations
 APPROVED

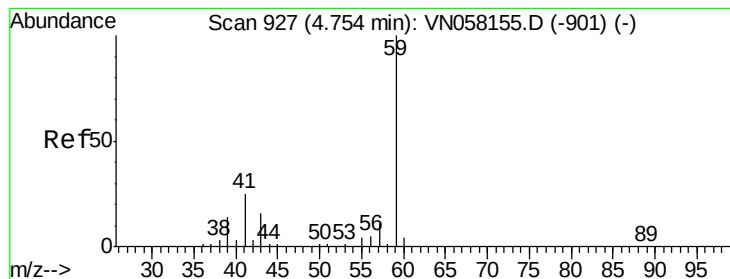
MMDadoda
 9/20/2019 3:36:27 PM



#10
 Methyl Iodide
 Concen: 9.557 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.5	56.3
141	7.6	11.4	17.2#





#11

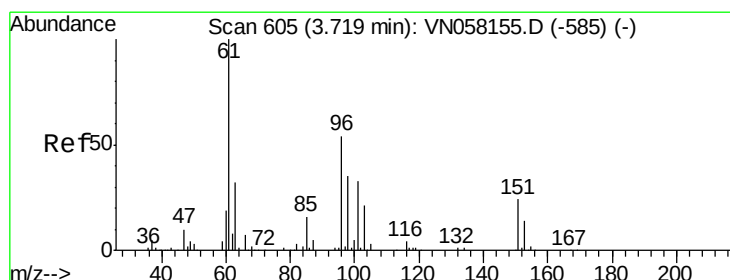
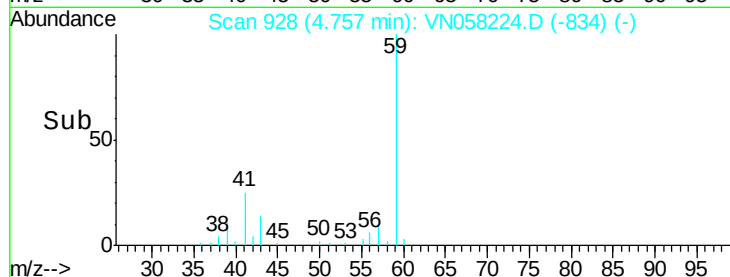
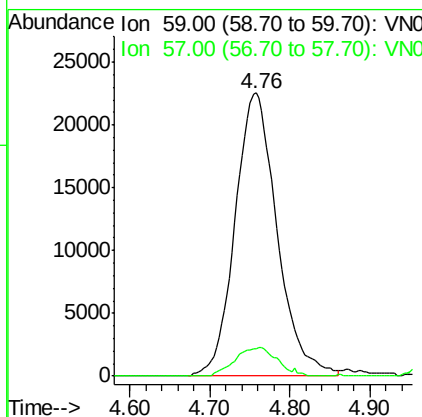
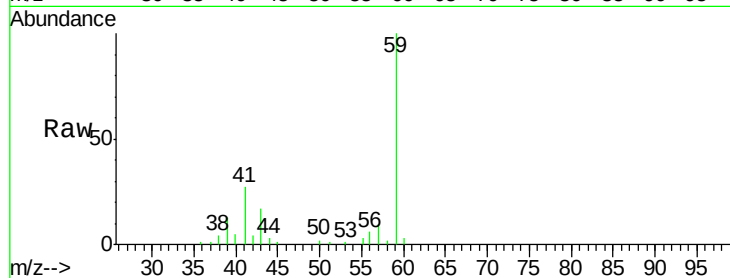
Tert butyl alcohol
 Concen: 99.890 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0919WBSD02

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	80558
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	13.0

Manual Integrations
 APPROVED

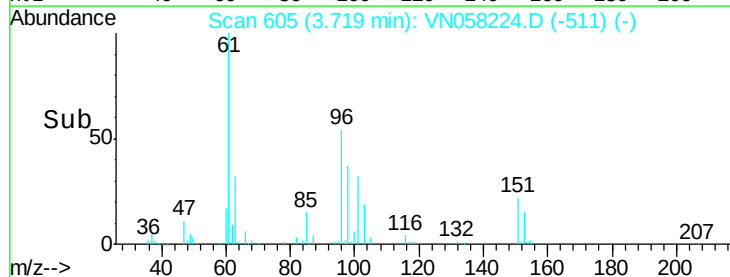
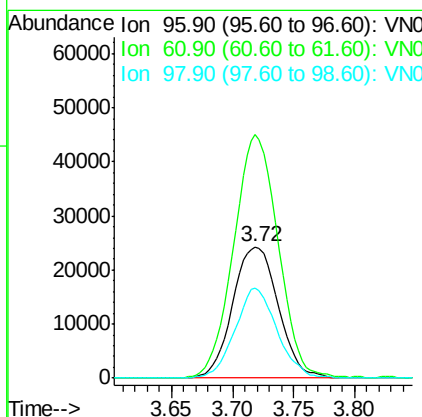
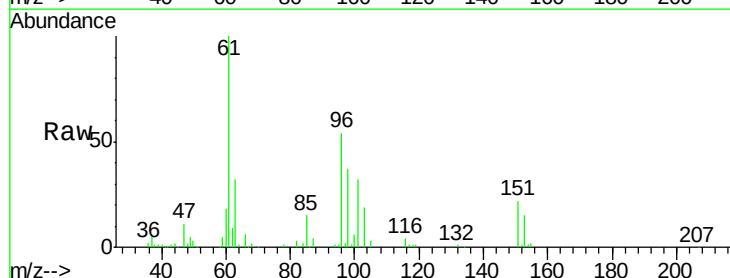
MMDadoda
 9/20/2019 3:36:27 PM

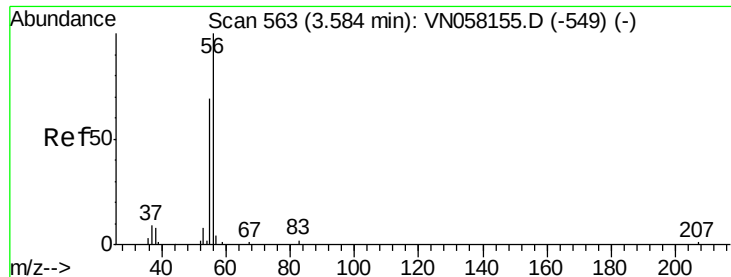


#12

1,1-Dichloroethene
 Concen: 20.790 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	96	Resp	62708
Ion	Ratio	Lower	Upper
96	100		
61	184.5	149.5	224.3
98	68.9	52.4	78.6





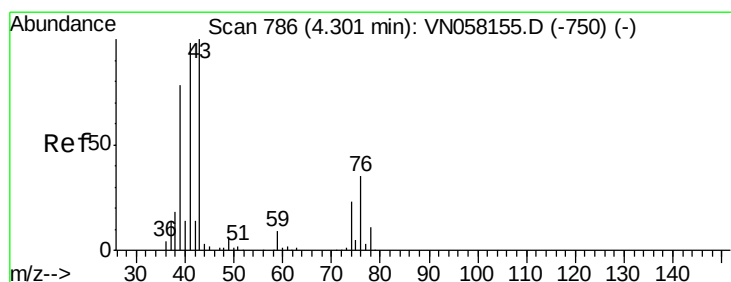
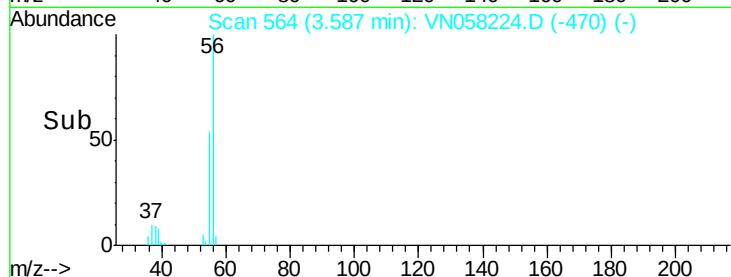
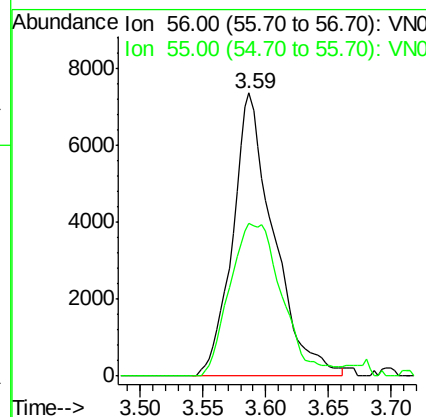
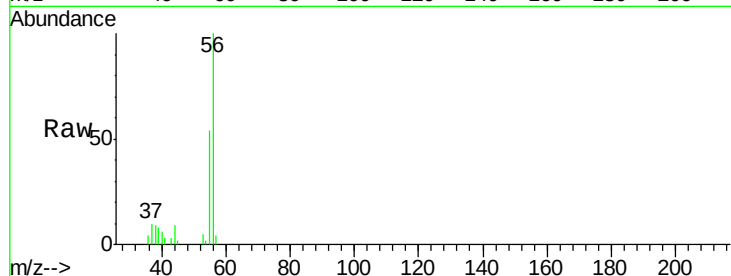
#13
Acrolein
Concen: 139.673 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.1	84.1

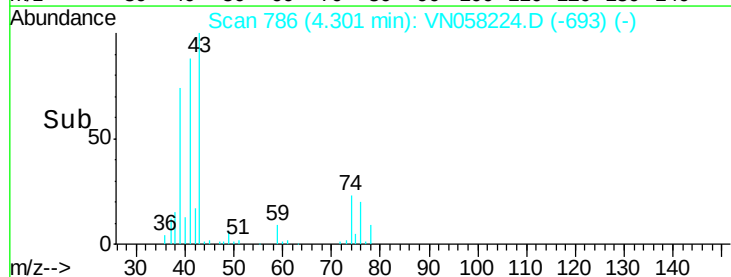
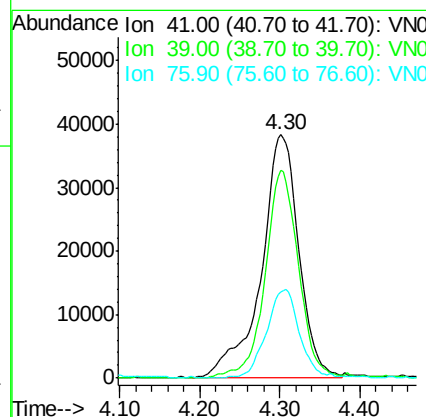
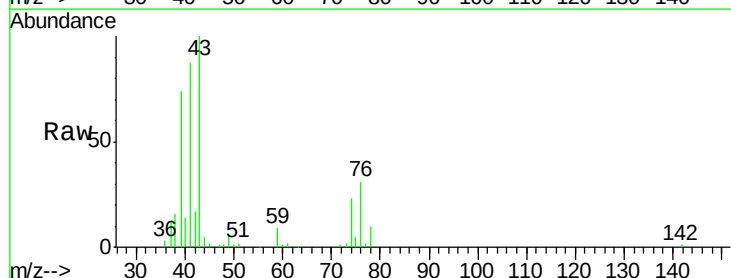
Manual Integrations
APPROVED

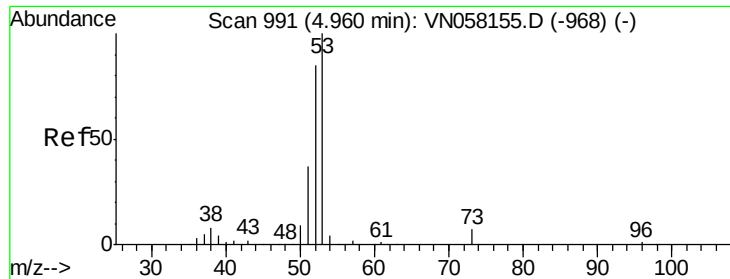
MMDadoda
9/20/2019 3:36:27 PM



#14
Allyl chloride
Concen: 19.423 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.6	59.1	88.7
76	31.6	25.1	37.7





#15

Acrylonitrile

Concen: 107.173 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

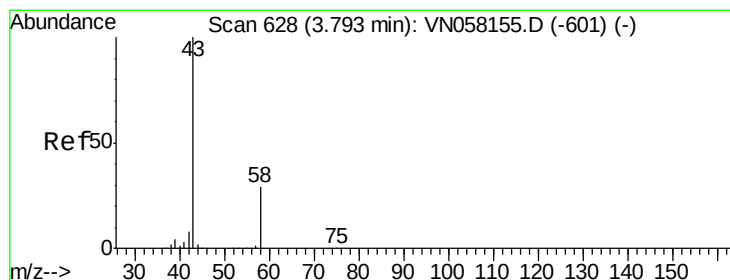
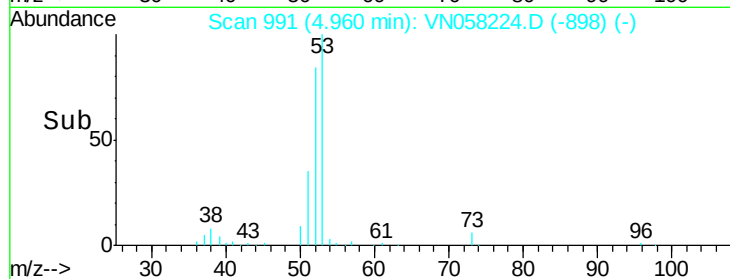
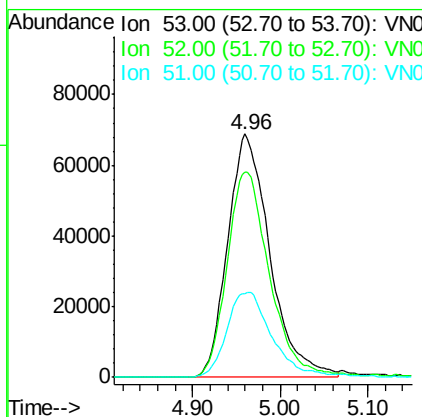
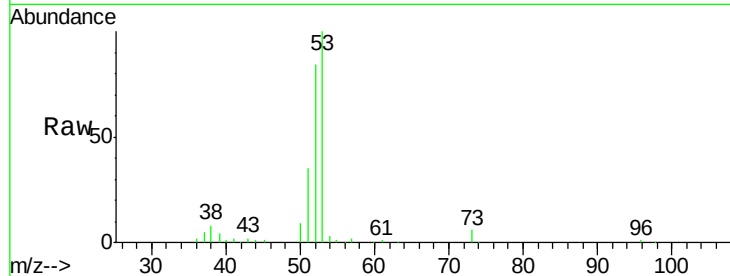
ClientSampleId :

VN0919WBSD02

Tot Ion:	53	Resp:	230278
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.6	100.0
51	37.2	29.7	44.5

Manual Integrations
APPROVED

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#16

Acetone

Concen: 84.581 ug/l

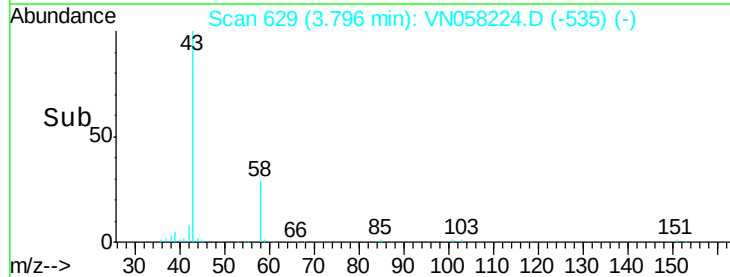
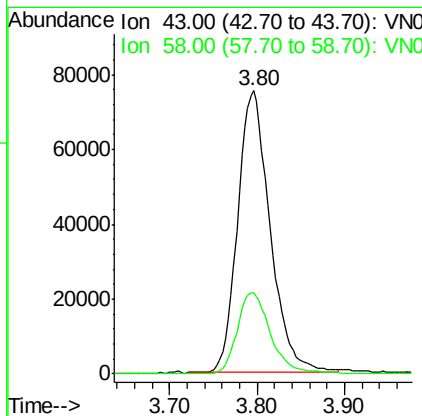
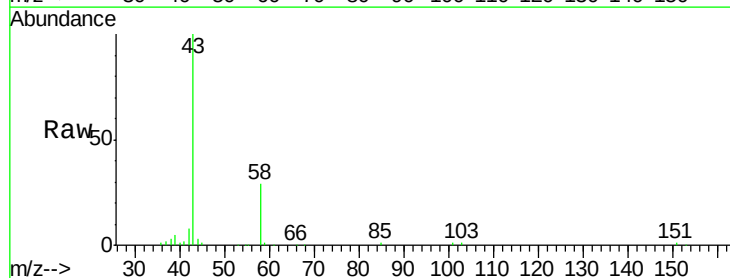
RT: 3.80 min Scan# 629

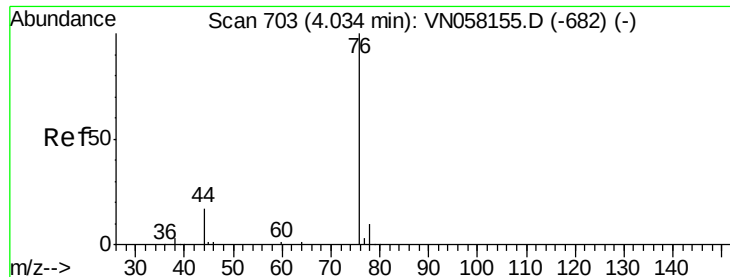
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	43	Resp:	194648
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.2





#17

Carbon Disulfide

Concen: 18.660 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 76 Resp: 77721

Ion Ratio Lower Upper

76 100

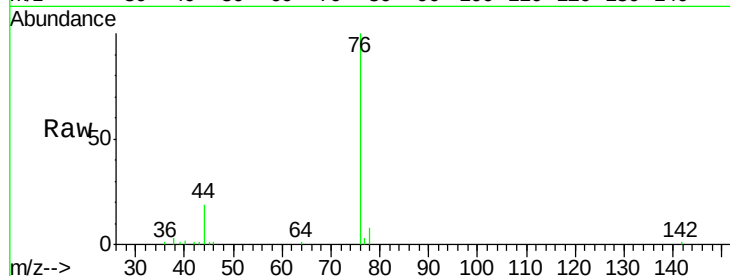
78 8.0 7.7 11.5

Manual Integrations

APPROVED

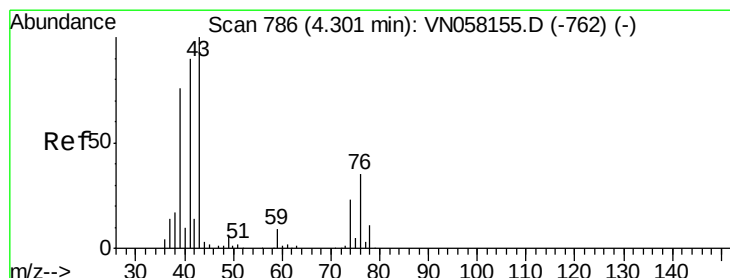
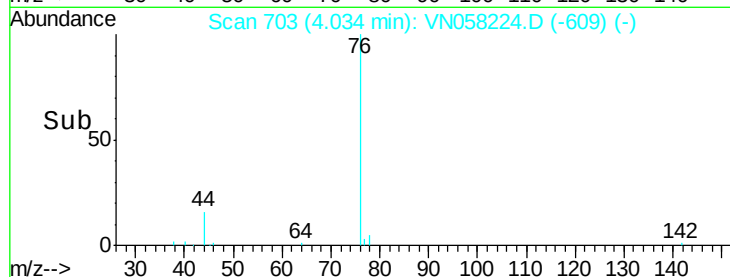
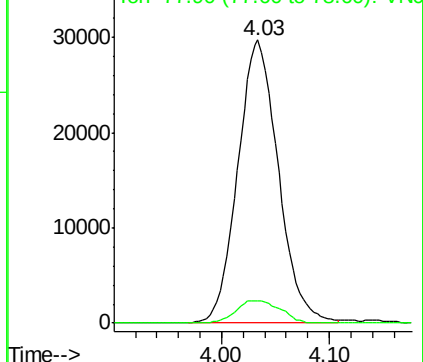
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.756 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058224.D

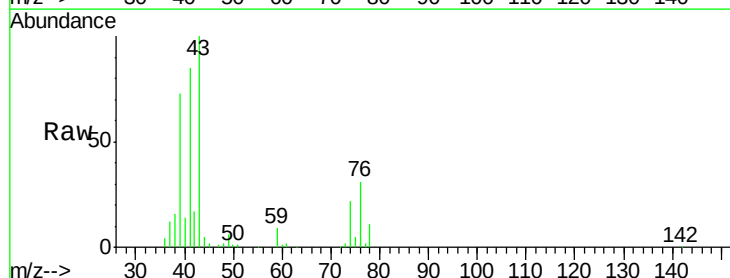
Acq: 19 Sep 2019 22:56

Tgt Ion: 43 Resp: 125687

Ion Ratio Lower Upper

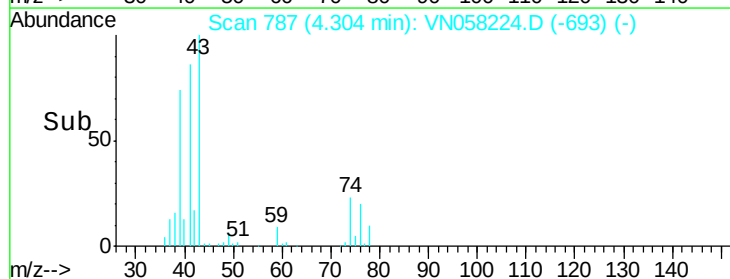
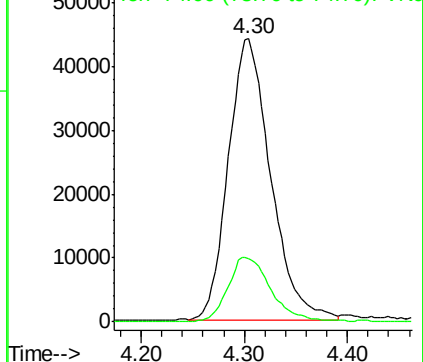
43 100

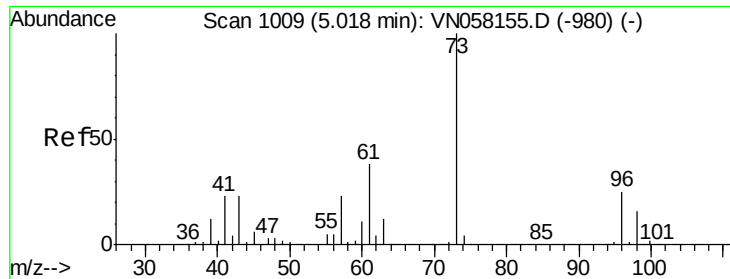
74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





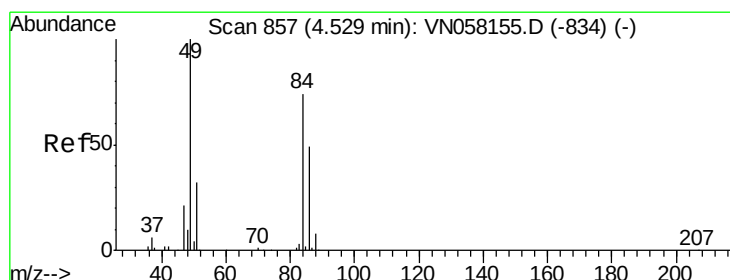
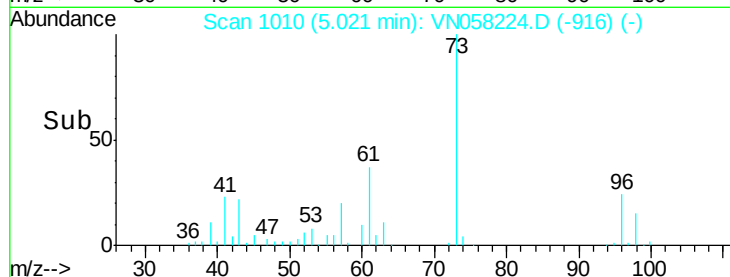
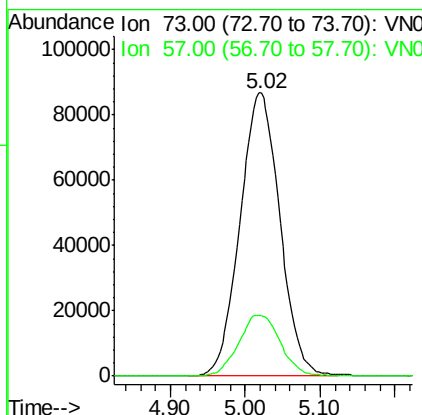
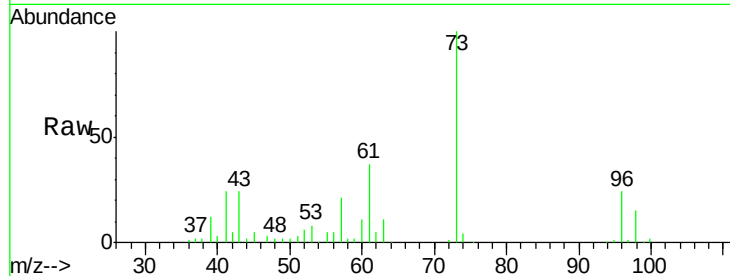
#19
Methyl tert-butyl Ether
Concen: 21.681 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleID :
VN0919WBSD02

Tot Ion: 73 Resp: 321791
Ion Ratio Lower Upper
73 100
57 21.3 18.1 27.1

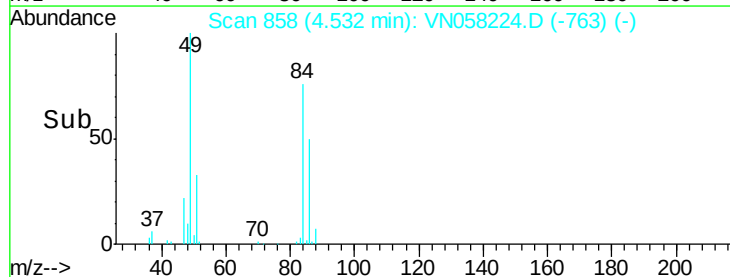
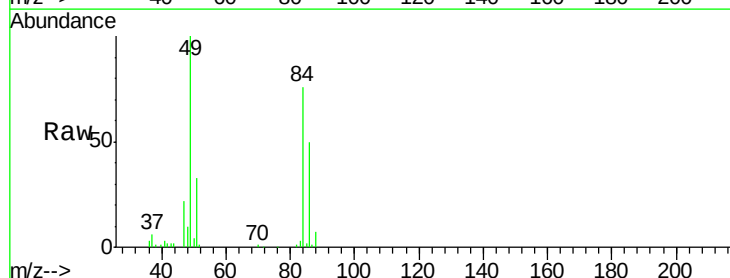
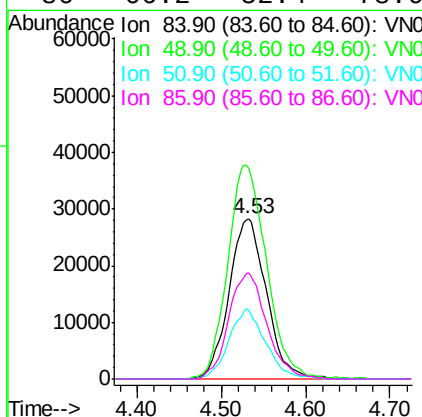
Manual Integrations
APPROVED

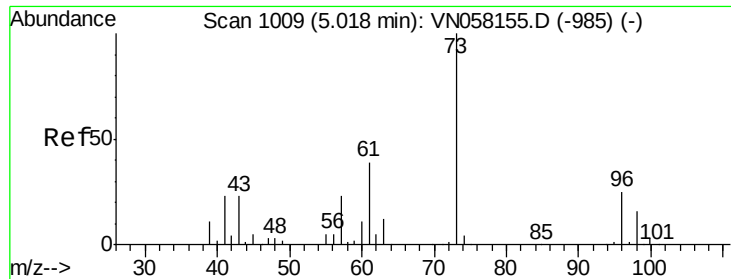
MMDadoda
9/20/2019 3:36:27 PM



#20
Methylene Chloride
Concen: 21.549 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 84 Resp: 87332
Ion Ratio Lower Upper
84 100
49 131.6 107.5 161.3
51 42.8 33.9 50.9
86 66.2 52.4 78.6





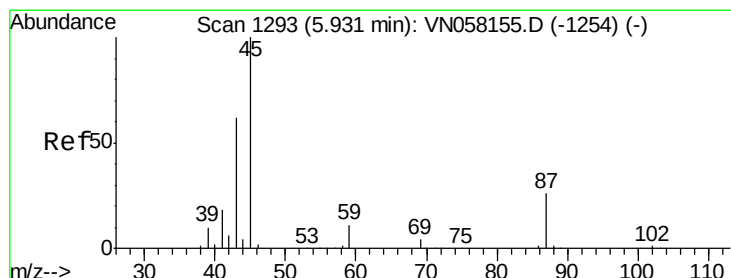
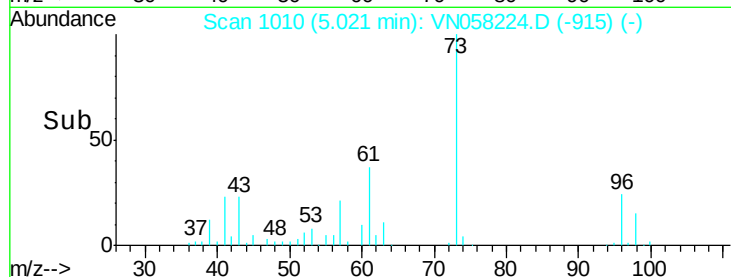
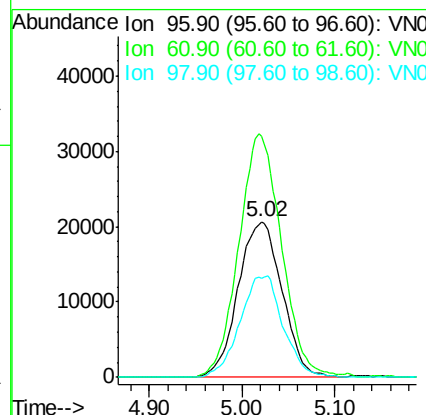
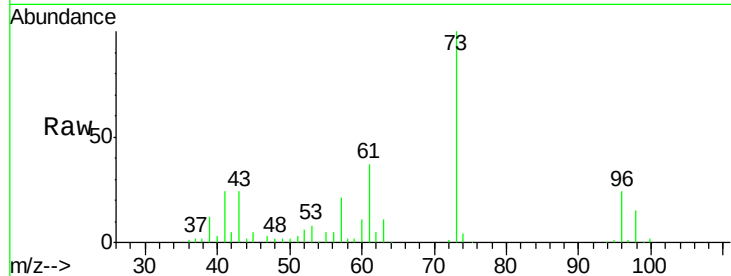
#21
trans-1,2-Dichloroethene
Concen: 20.630 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	122.2	183.4
98	63.6	49.9	74.9

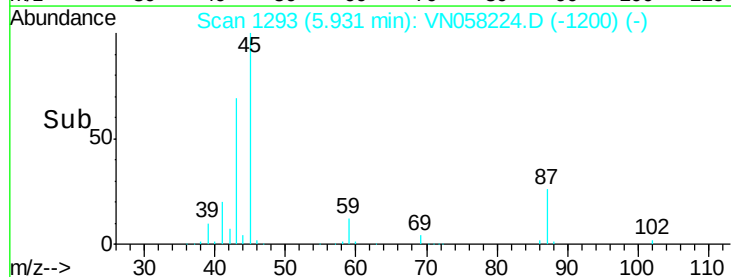
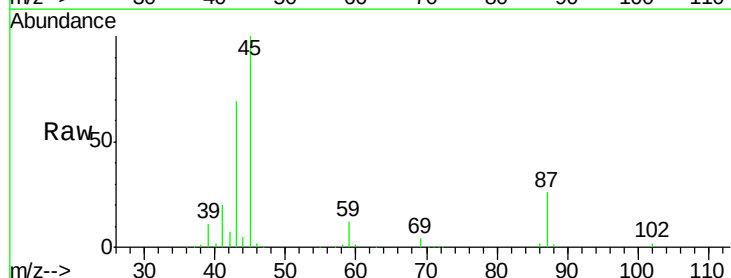
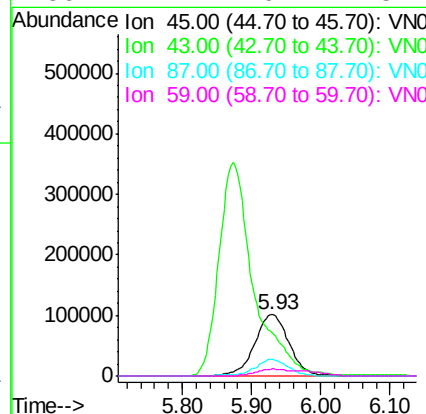
Manual Integrations
APPROVED

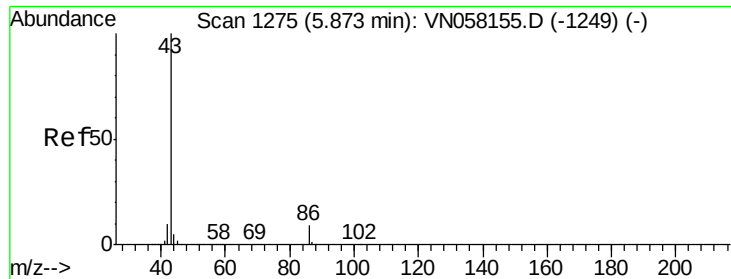
MMDadoda
9/20/2019 3:36:27 PM



#22
Diisopropyl ether
Concen: 21.352 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	49.7	74.5
87	26.0	20.7	31.1
59	11.2	9.1	13.7





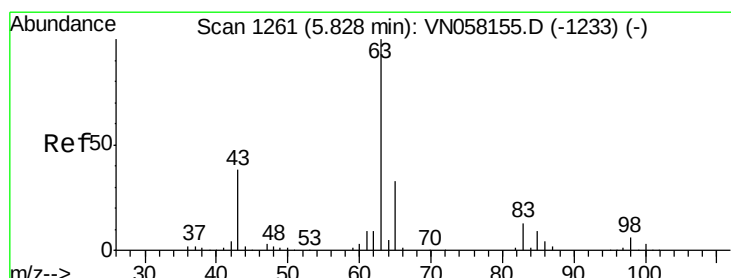
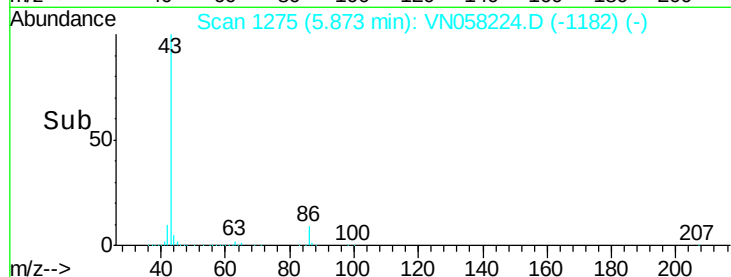
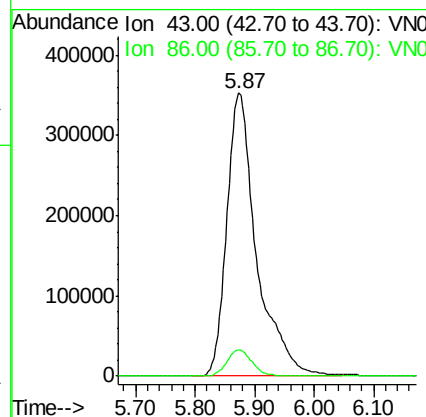
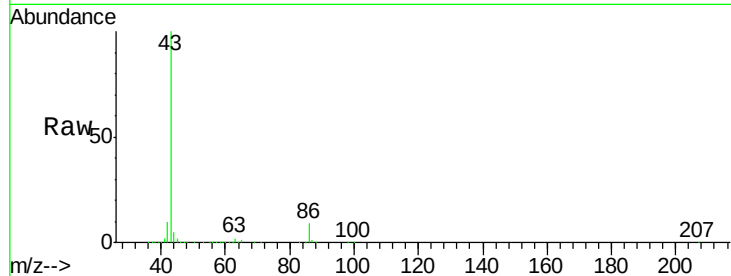
#23
 Vinyl Acetate
 Concen: 109.902 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion: 43 Resp: 1230065
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

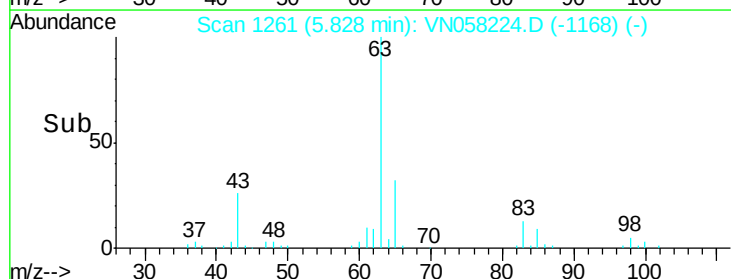
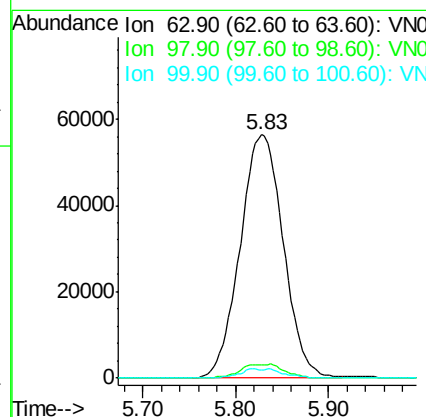
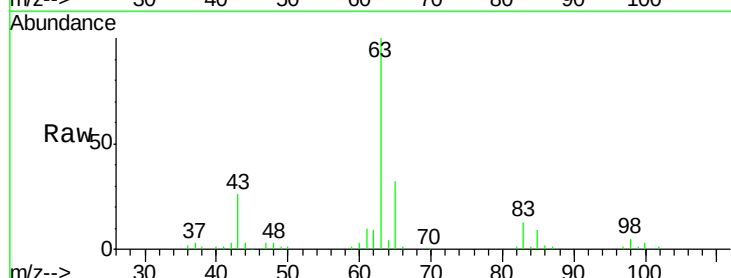
Manual Integrations
 APPROVED

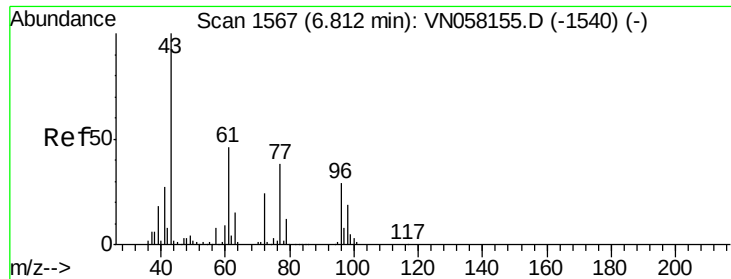
MMDadoda
 9/20/2019 3:36:27 PM



#24
 1,1-Dichloroethane
 Concen: 20.894 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 63 Resp: 182402
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.1 1.8 5.3





#25

2-Butanone

Concen: 98.883 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tot Ion: 43 Resp: 310023

Ion Ratio Lower Upper

43 100

72 25.8 19.5 29.3

Instrument :

MSVOA_N

ClientSampleId :

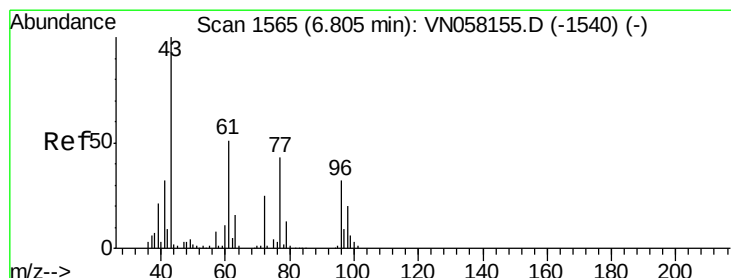
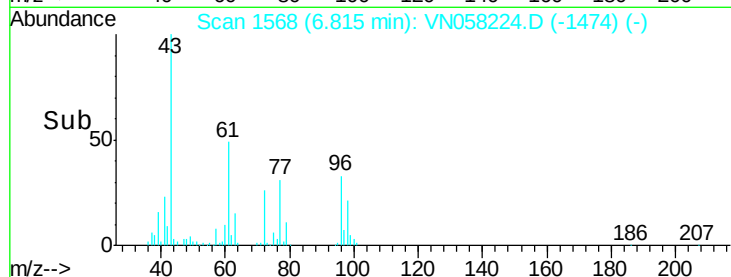
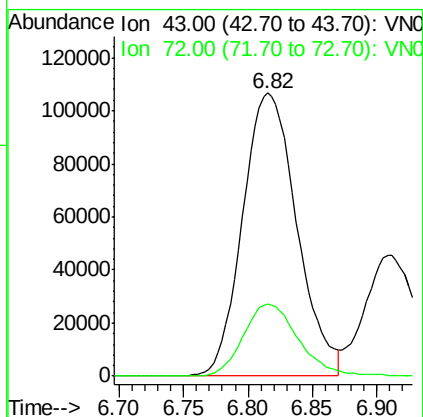
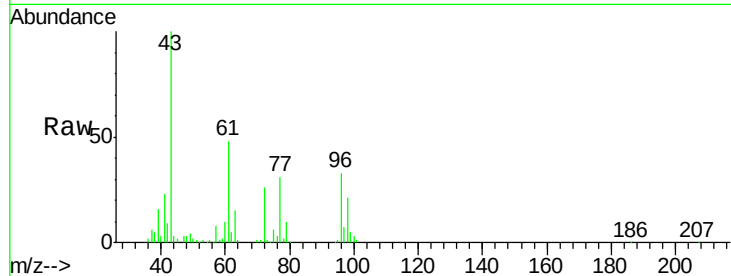
VN0919WBSD02

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 15.945 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058224.D

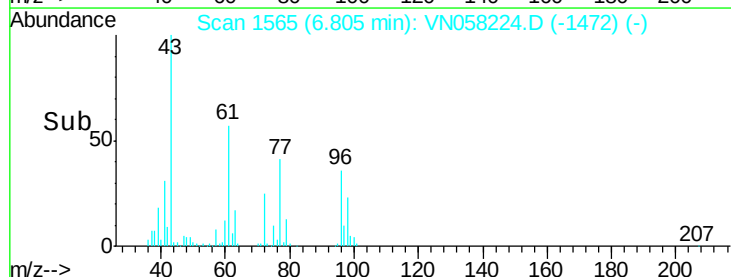
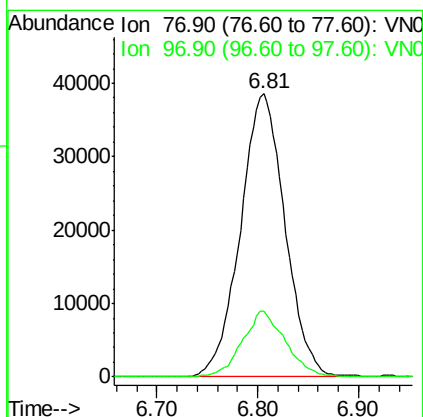
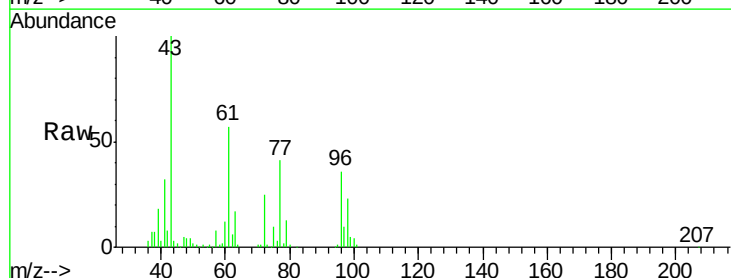
Acq: 19 Sep 2019 22:56

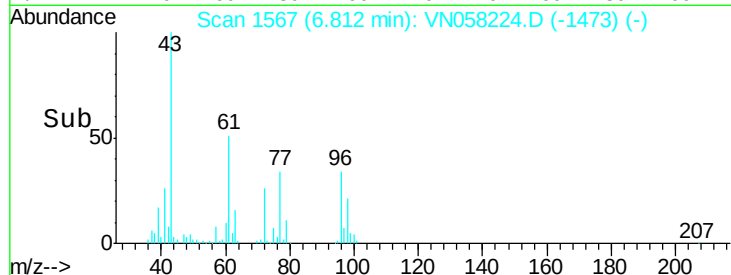
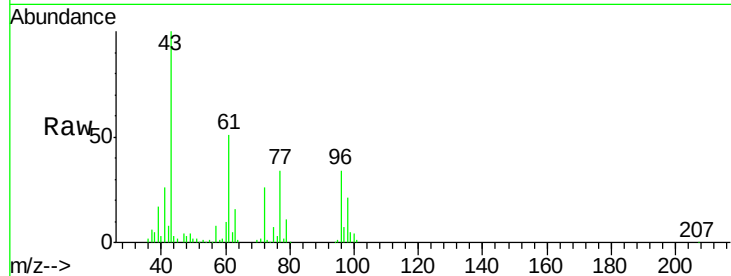
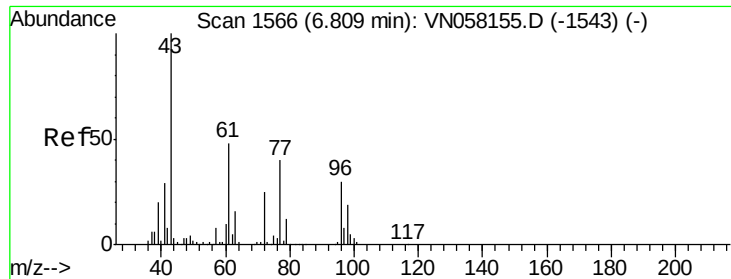
Tgt Ion: 77 Resp: 118096

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.694 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tot Ion:	96	Resp:	102153
Ion Ratio	Lower	Upper	
96	100		
61	156.2	0.0	319.0
98	63.1	0.0	126.6

Instrument :

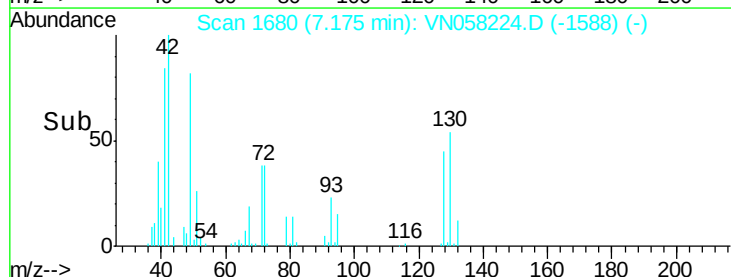
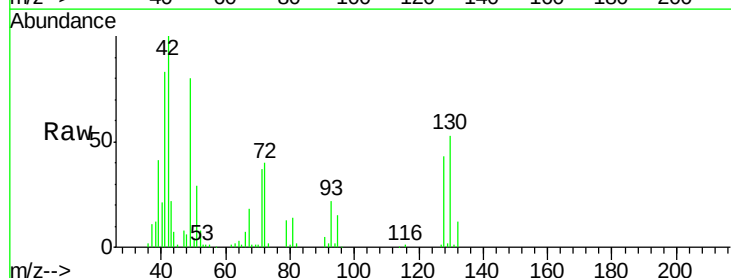
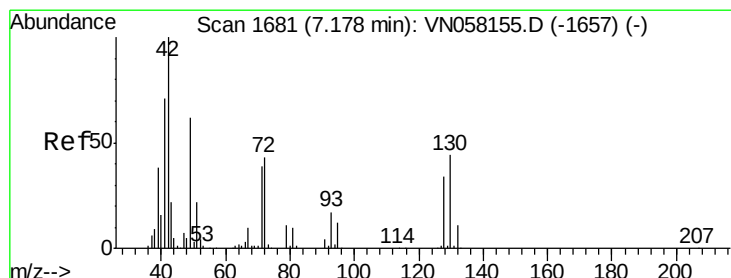
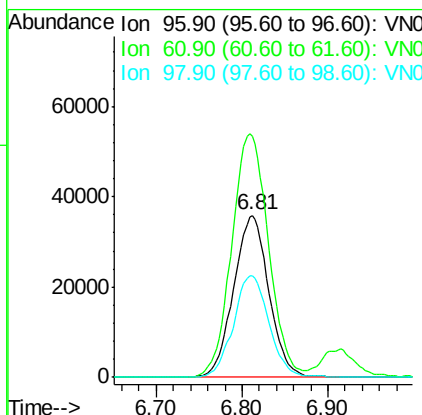
MSVOA_N

ClientSampleId :

VN0919WBSD02

Manual Integrations
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#28

Bromochloromethane

Concen: 22.100 ug/l

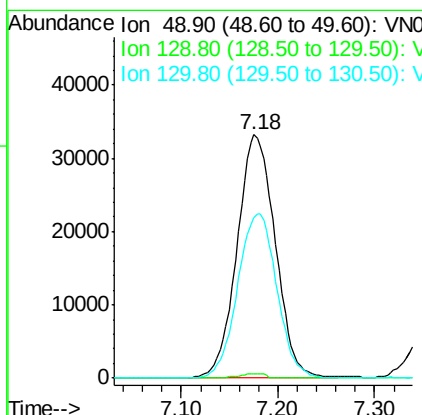
RT: 7.18 min Scan# 1680

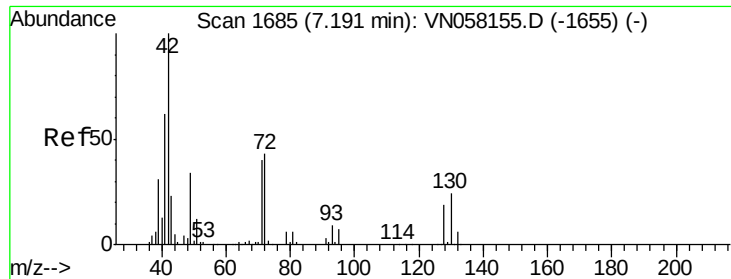
Delta R.T. -0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	49	Resp:	91268
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	1.8
130	69.3	55.4	83.2





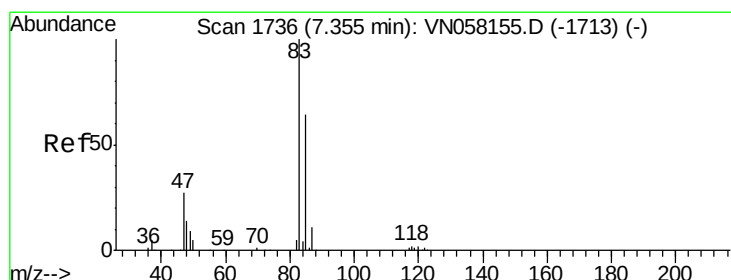
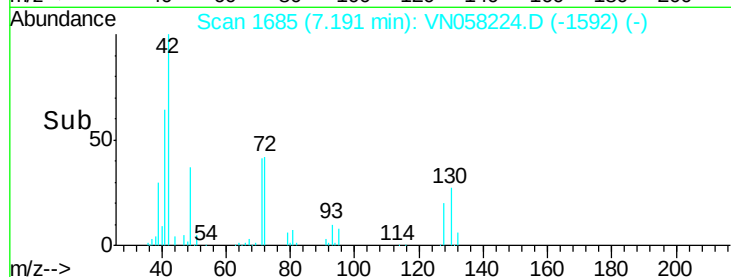
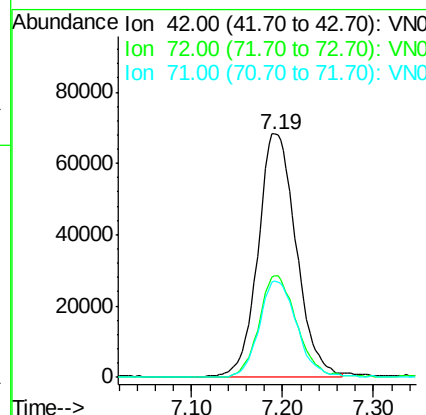
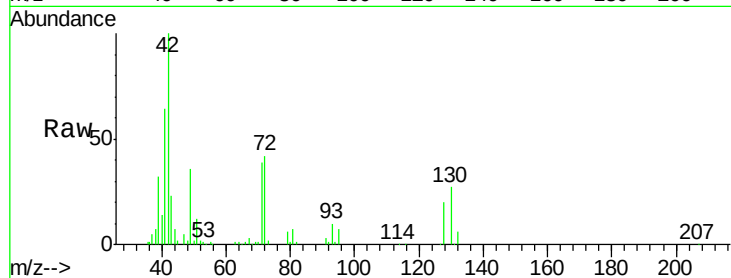
#29
Tetrahydrofuran
Concen: 103.151 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	38.8	31.4	47.0

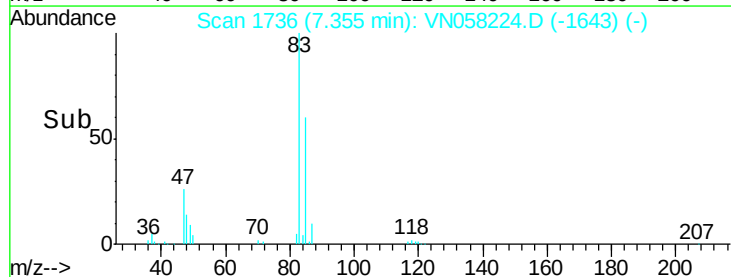
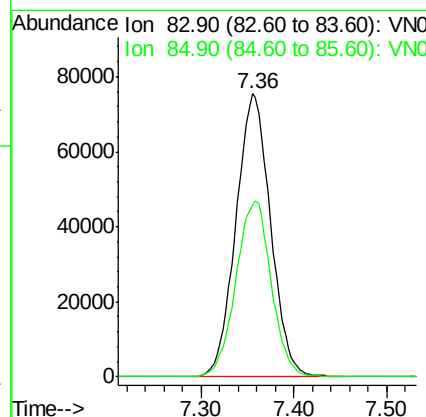
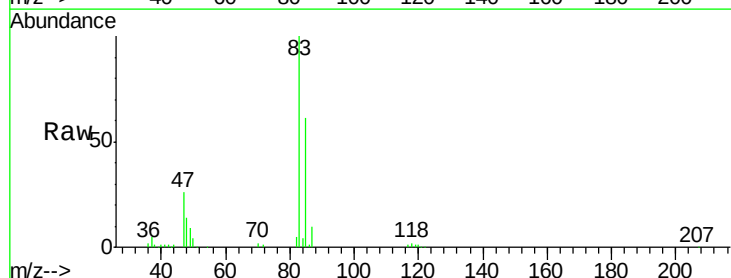
Manual Integrations
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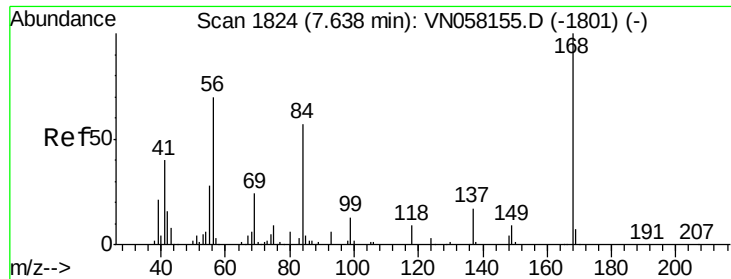
MMDadoda
9/20/2019 3:36:27 PM



#30
Chloroform
Concen: 20.791 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.2





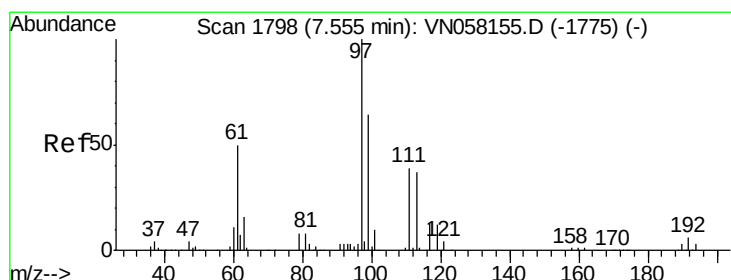
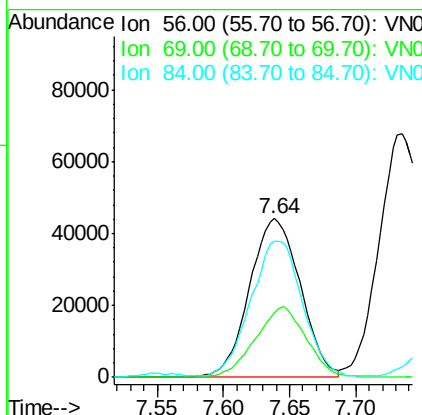
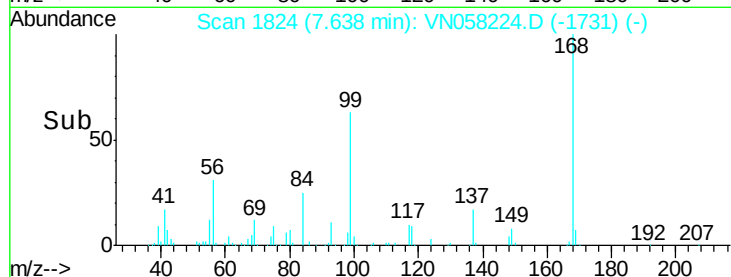
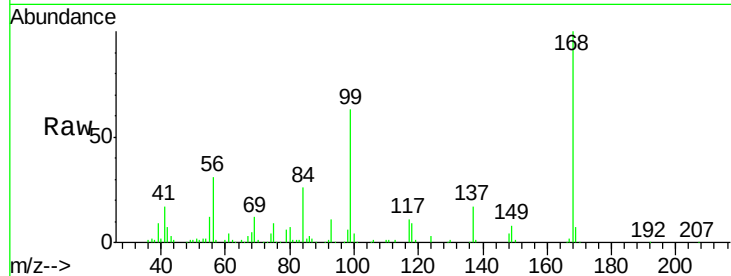
#31
Cyclohexane
Concen: 19.542 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		118578		
69	40.4	27.3	40.9		
84	84.6	65.0	97.4		

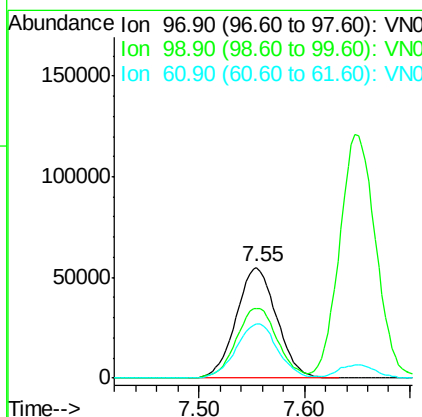
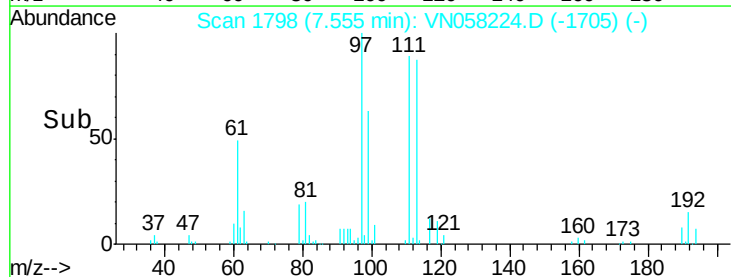
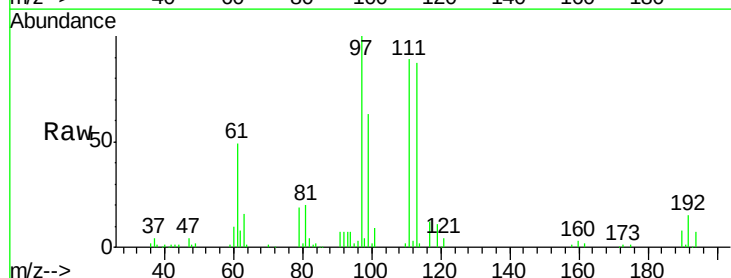
Manual Integrations
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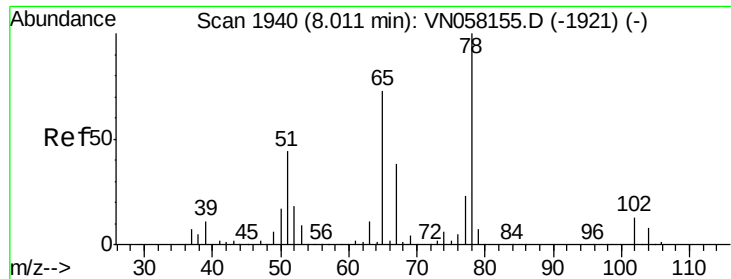
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.442 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146241		
99	64.8	50.9	76.3		
61	50.0	39.2	58.8		





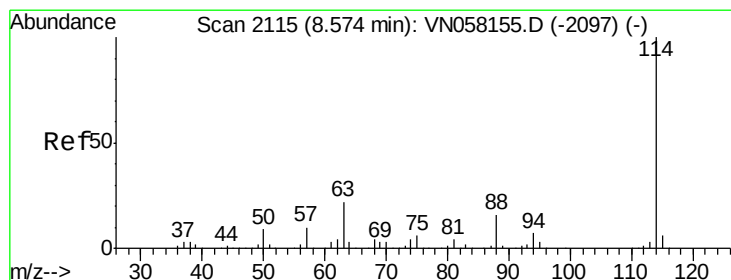
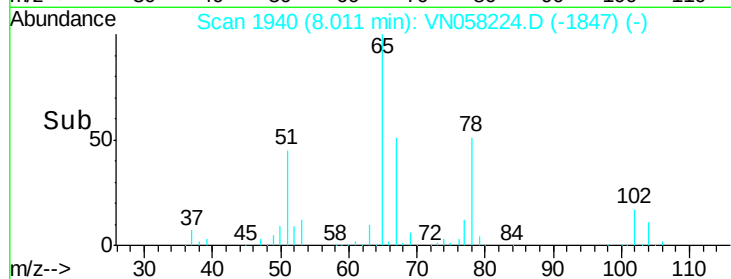
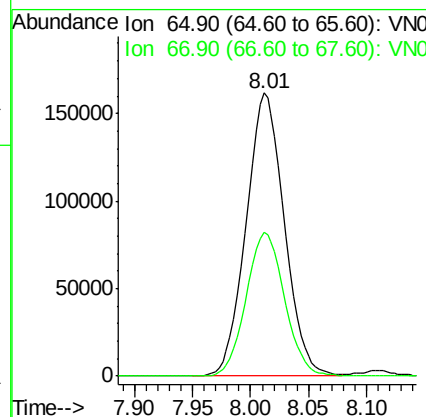
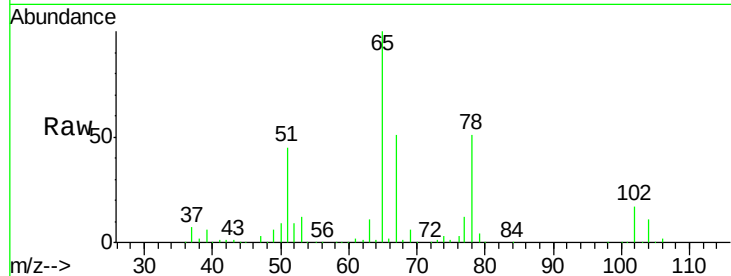
#33
 1,2-Dichloroethane-d4
 Concen: 54.723 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	371009		
67	51.1	0.0	103.4	

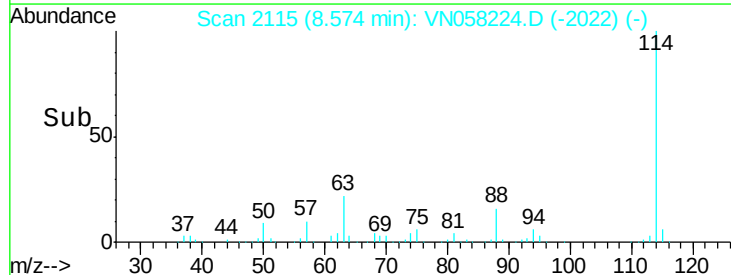
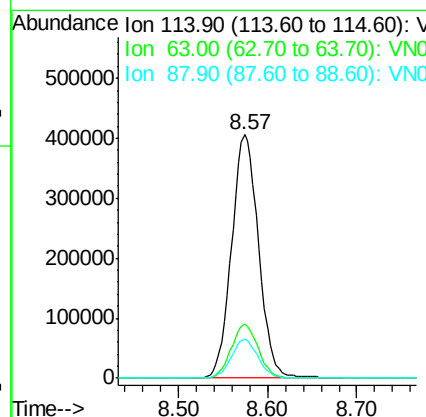
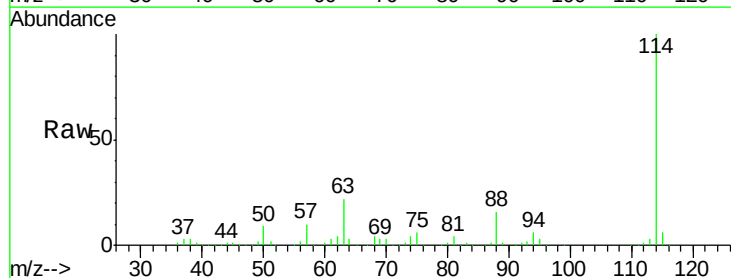
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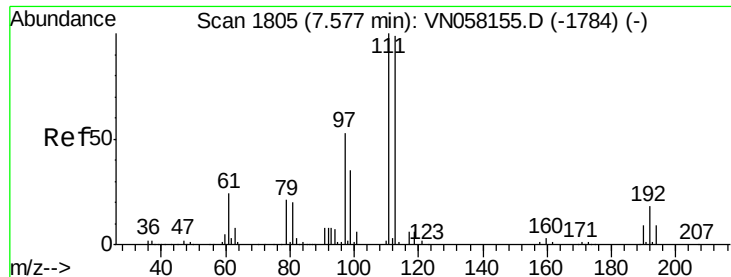
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	849337		
63	22.0	0.0	44.2	
88	16.0	0.0	31.6	





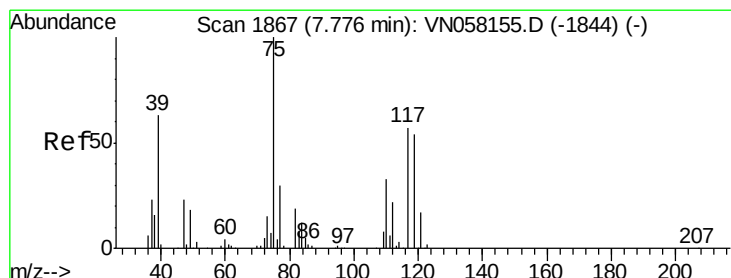
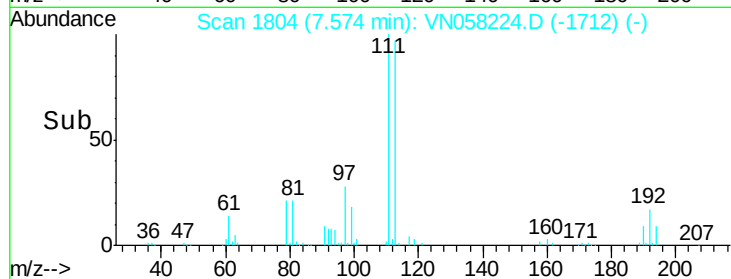
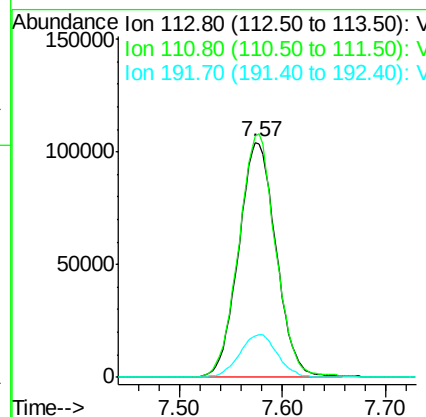
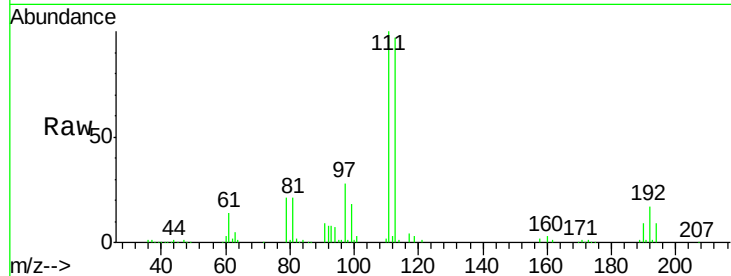
#35
 Dibromofluoromethane
 Concen: 51.013 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	263395		
111	102.3	81.8	122.6	
192	18.5	14.5	21.7	

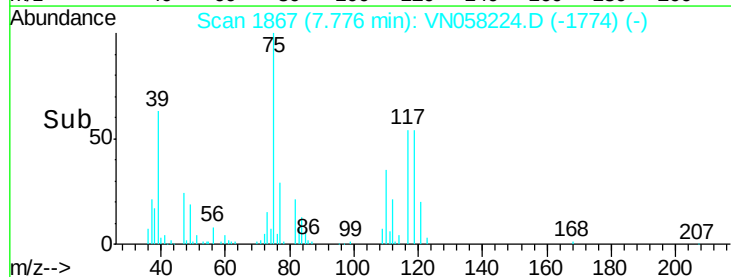
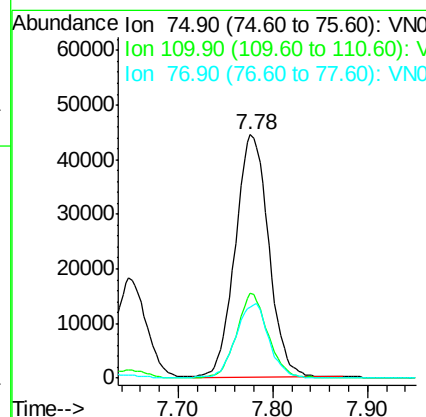
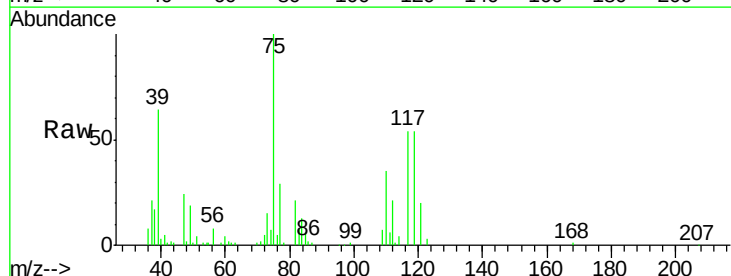
Manual Integrations
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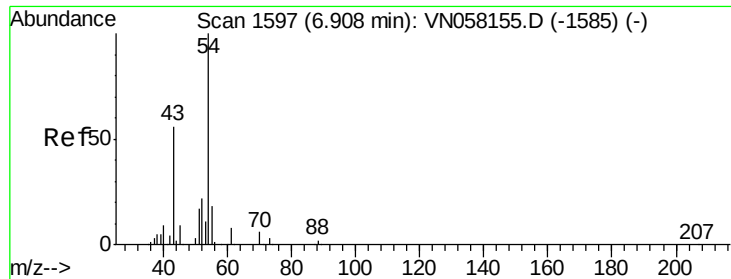
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.832 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109222		
110	32.5	16.6	49.7	
77	30.5	24.3	36.5	





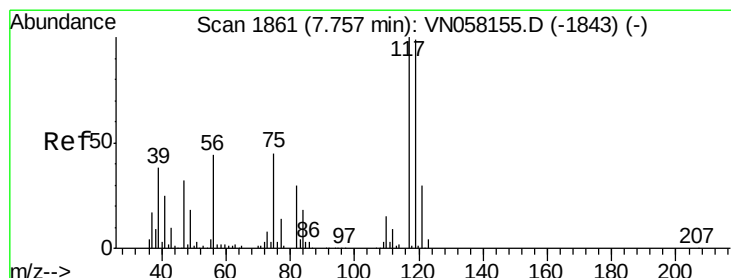
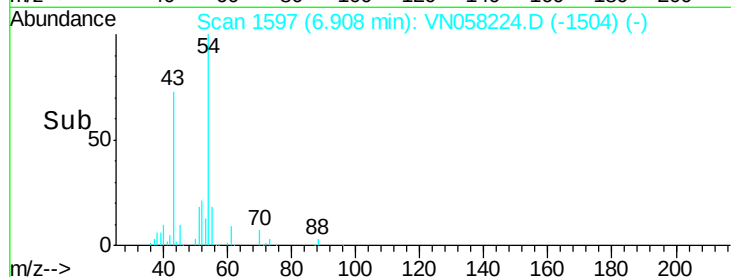
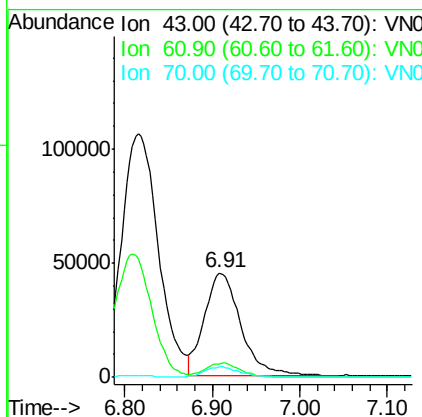
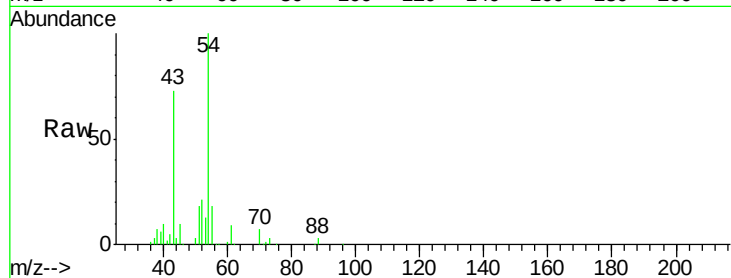
#37
Ethyl Acetate
Concen: 20.690 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.7	16.1
70	9.7	7.6	11.4

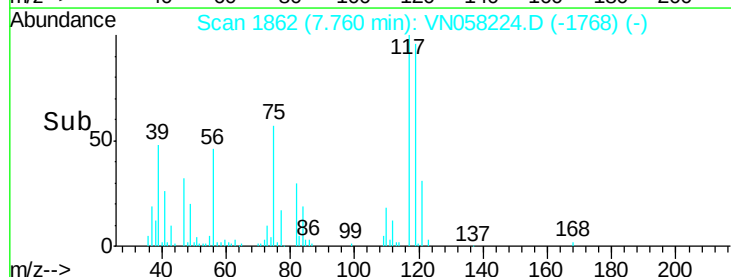
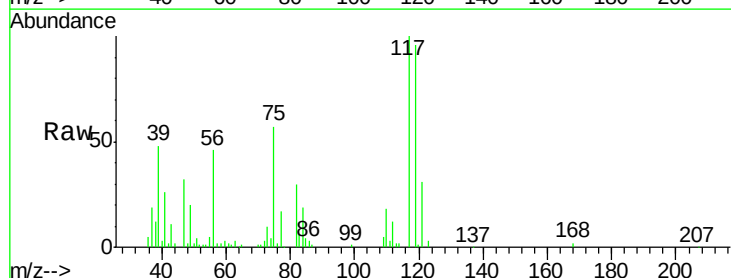
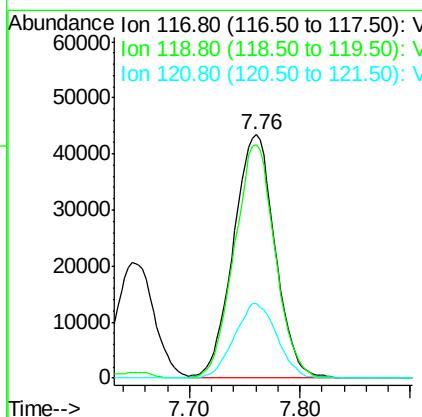
Manual Integrations
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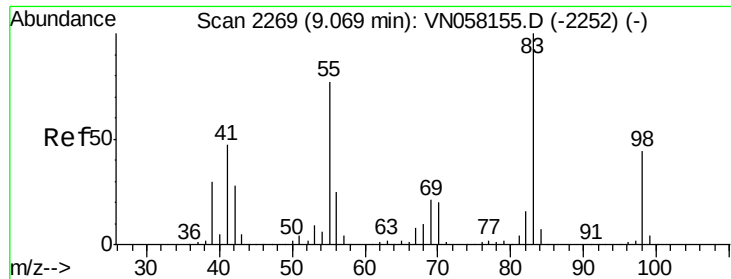
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.286 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.6	117.8
121	30.9	24.1	36.1





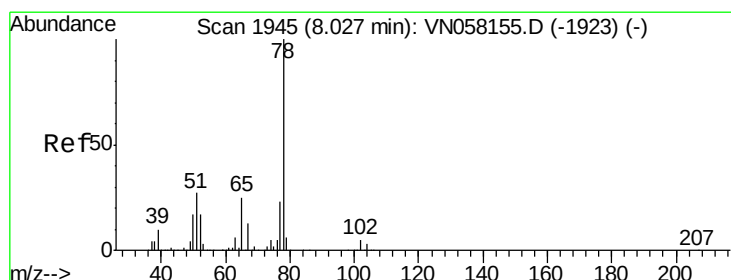
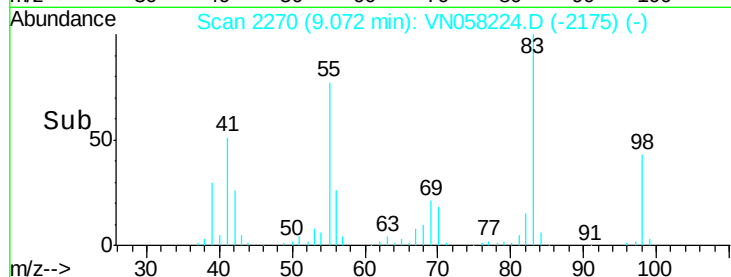
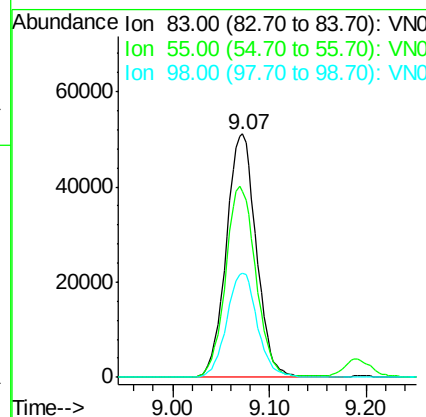
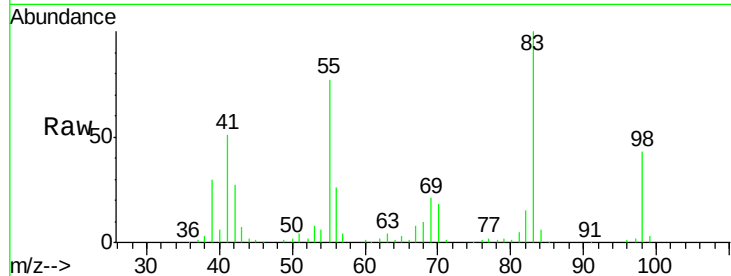
#39
Methylvlcyclohexane
Concen: 18.683 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	83.00	Resp	110380
Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.9	92.9
98	42.8	35.4	53.2

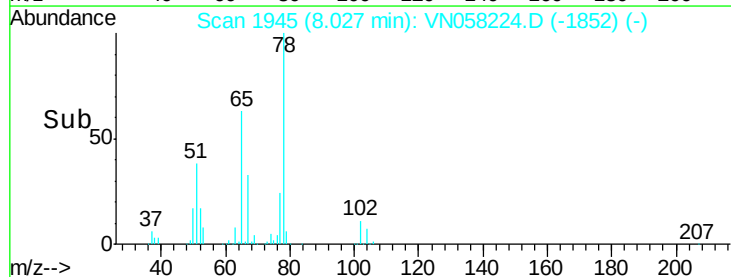
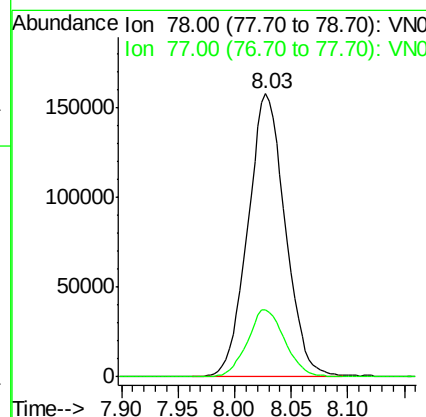
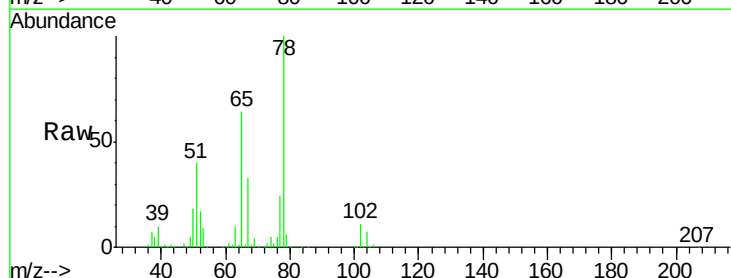
Manual Integrations
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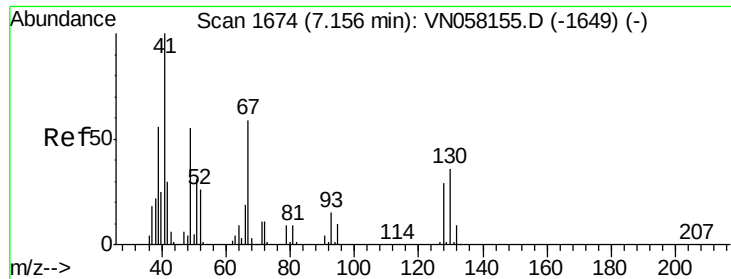
MMDadoda
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#40
Benzene
Concen: 19.375 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	78	Resp	362456
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





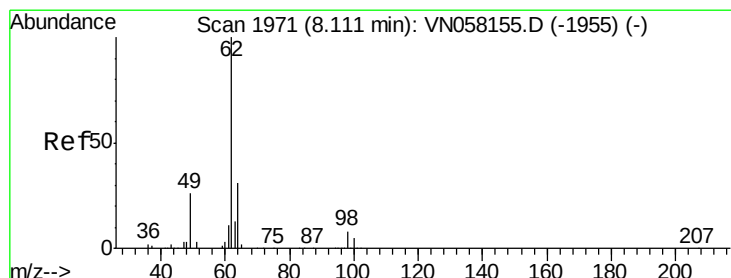
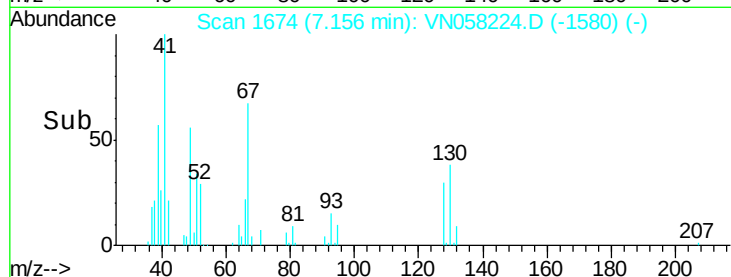
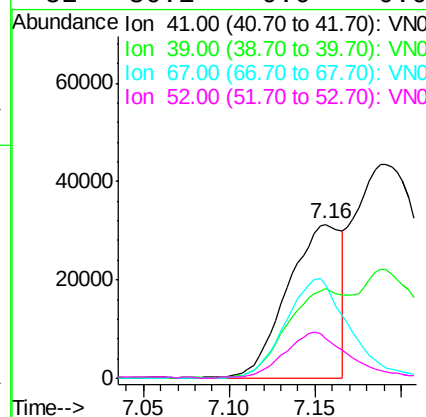
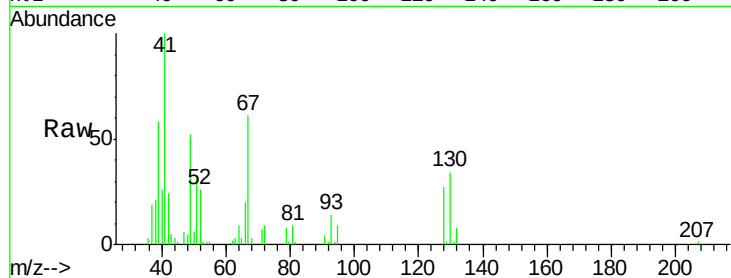
#41
Methacrylonitrile
Concen: 21.766 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	41	Resp	68022
Ion Ratio	Lower	Upper	
41	100		
39	68.0	0.0	0.0#
67	77.6	0.0	0.0#
52	36.1	0.0	0.0#

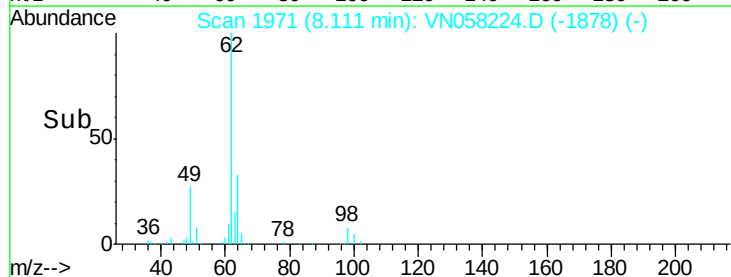
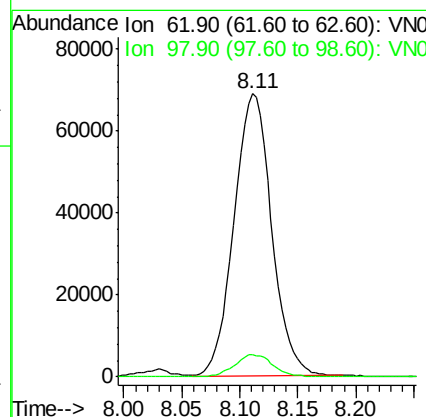
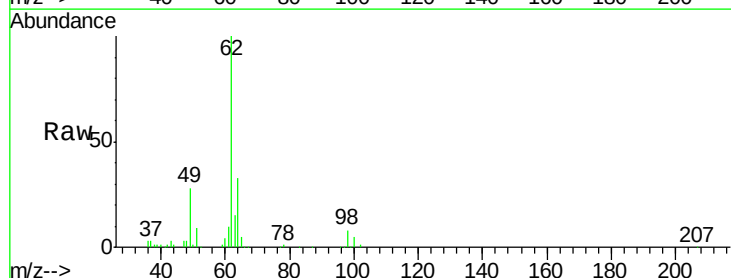
Manual Integrations
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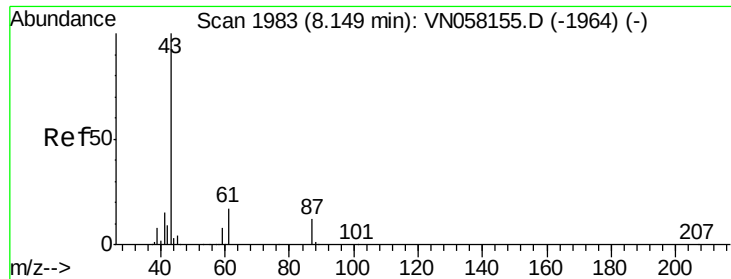
MMDadoda
9/20/2019 3:36:27 PM



#42
1,2-Dichloroethane
Concen: 19.773 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	62	Resp	155216
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.458 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

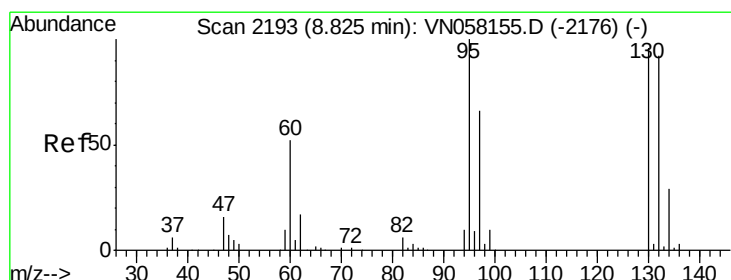
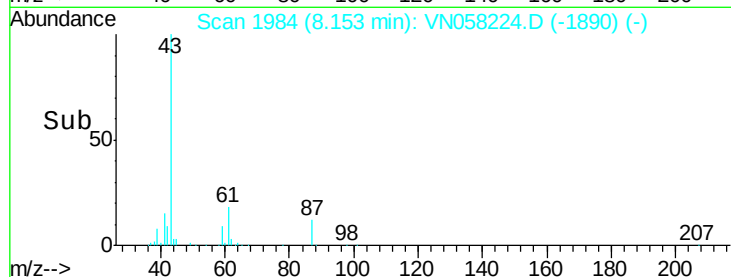
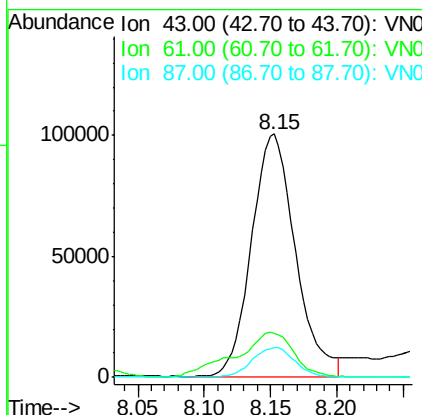
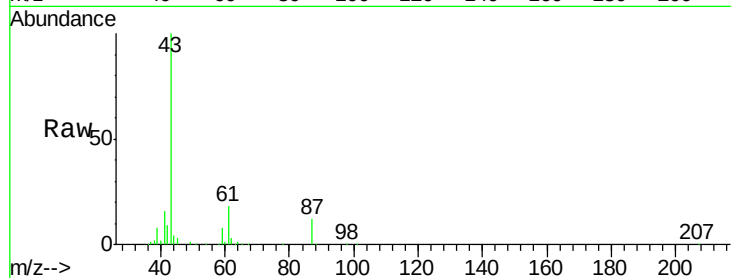
ClientSampleId :

VN0919WBSD02

Tot Ion:	43	Resp:	230992
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.7	29.5
87	12.0	9.4	14.2

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#44

Trichloroethene

Concen: 19.459 ug/l

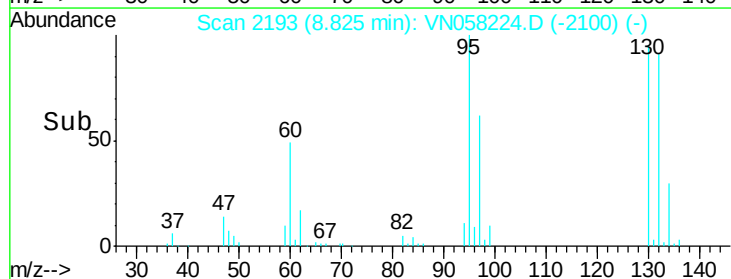
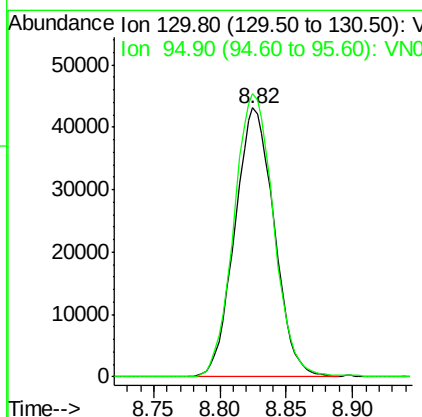
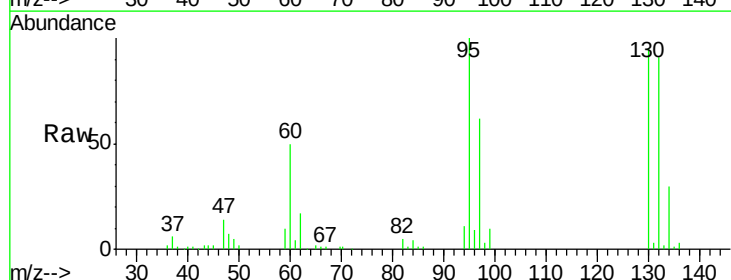
RT: 8.82 min Scan# 2193

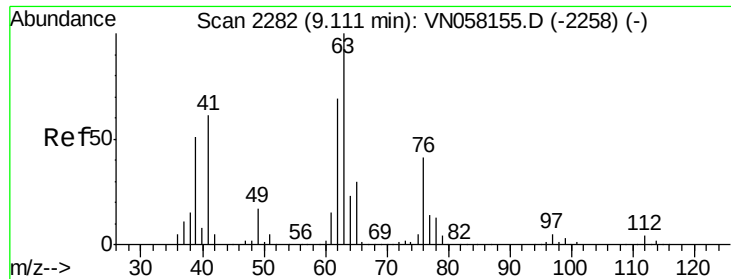
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	130	Resp:	89083
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	207.8





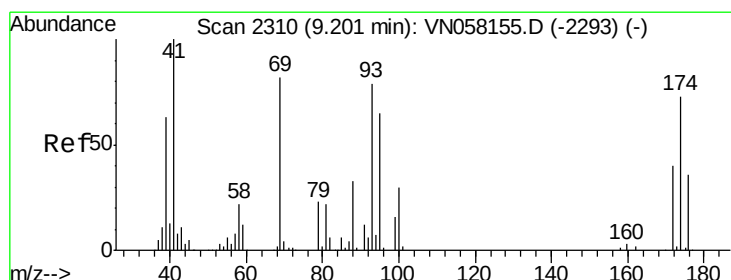
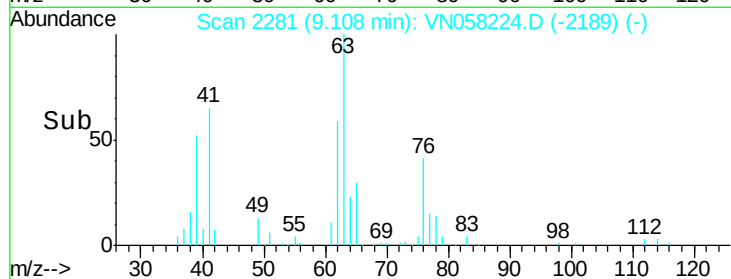
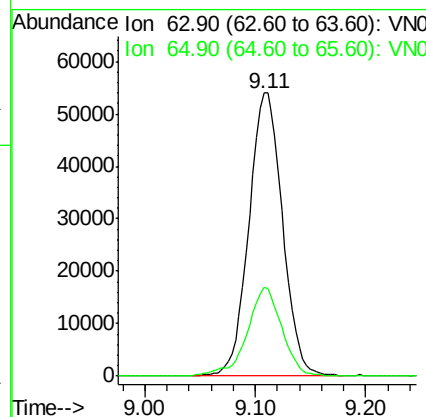
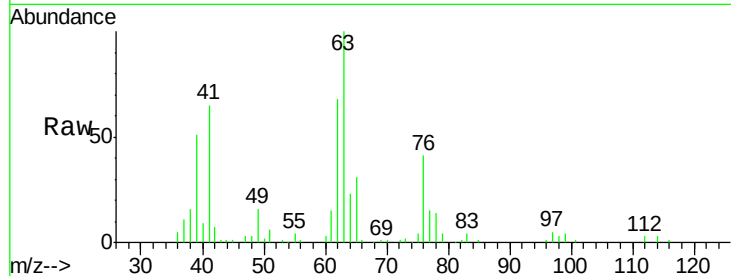
#45
 1,2-Dichloropropane
 Concen: 20.434 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion: 63 Resp: 114162
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6

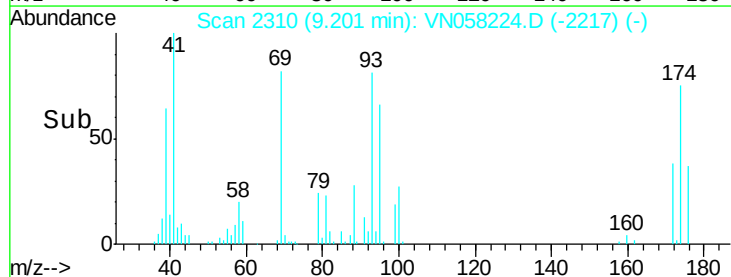
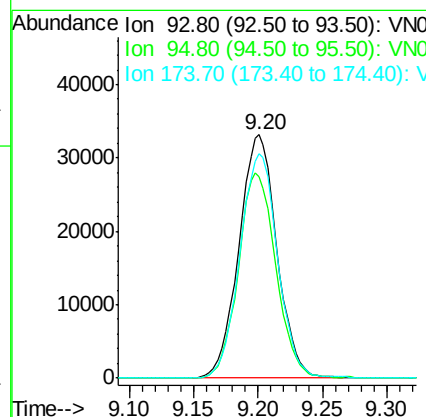
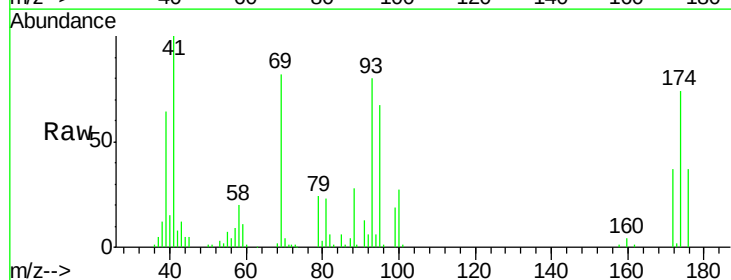
Manual Integrations
 APPROVED

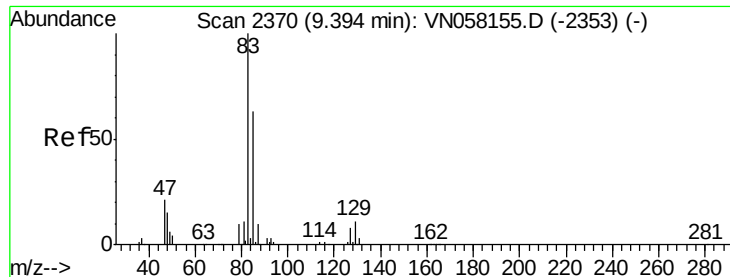
MMDadoda
 9/20/2019 3:36:27 PM



#46
 Dibromomethane
 Concen: 19.919 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion: 93 Resp: 67658
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 91.8 73.8 110.8





#47

Bromodichloromethane

Concen: 19.668 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

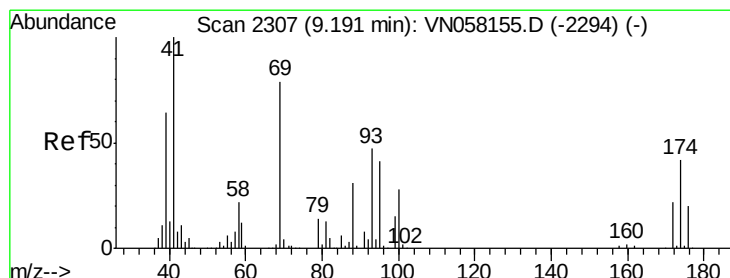
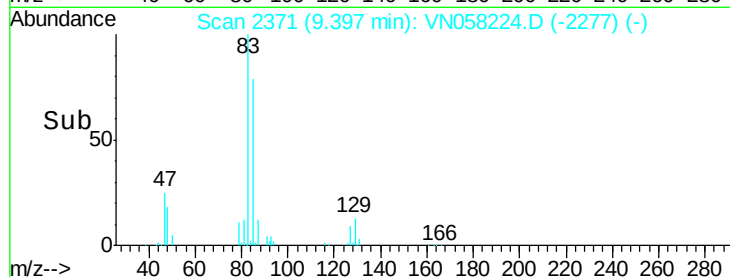
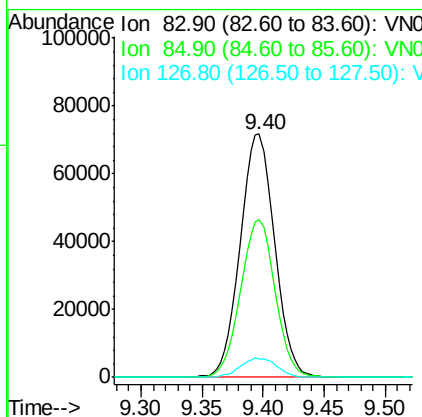
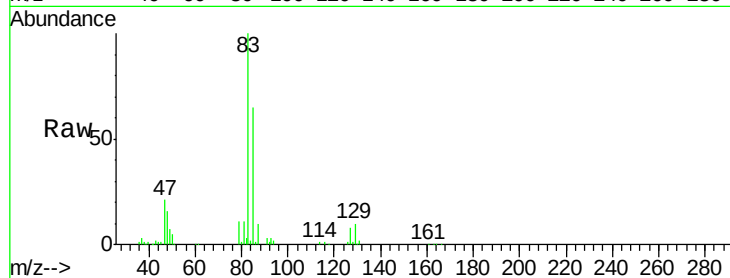
ClientSampleId :

VN0919WBSD02

Tot Ion:	83	Resp:	139960
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.1	75.1
127	7.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.013 ug/l

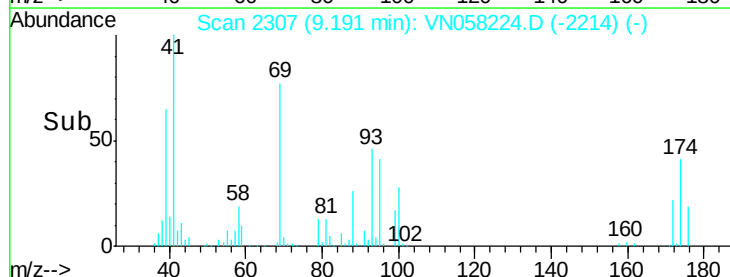
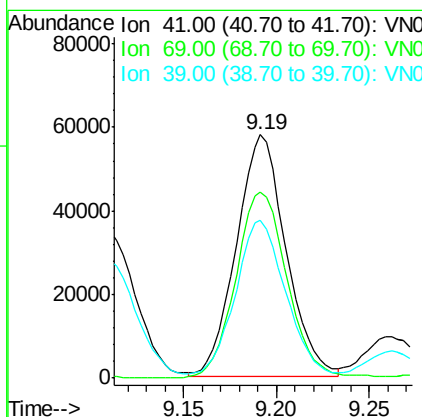
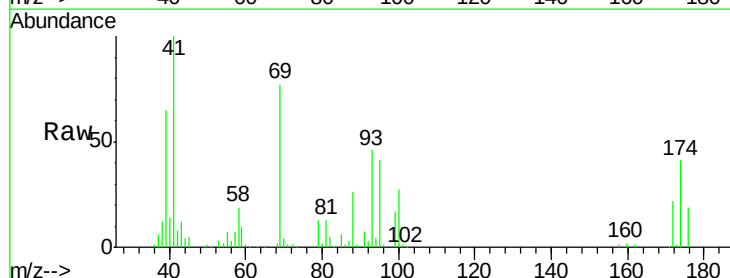
RT: 9.19 min Scan# 2307

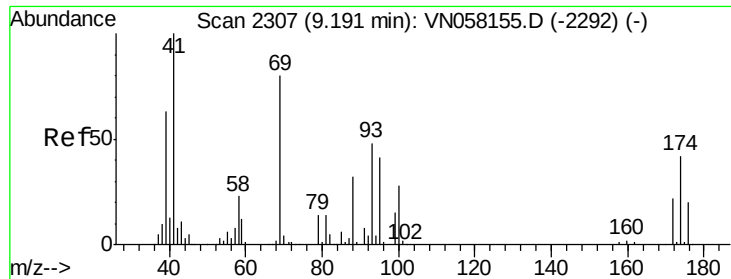
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	41	Resp:	107869
Ion Ratio	Lower	Upper	
41	100		
69	79.8	62.5	93.7
39	66.1	52.3	78.5





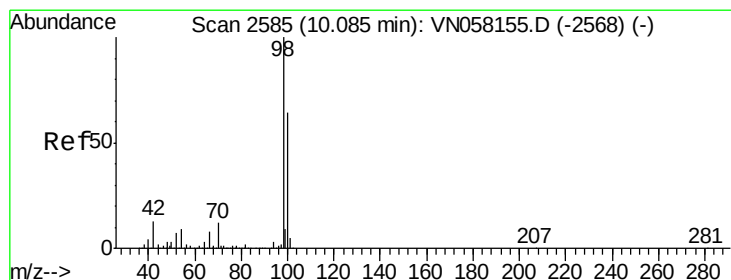
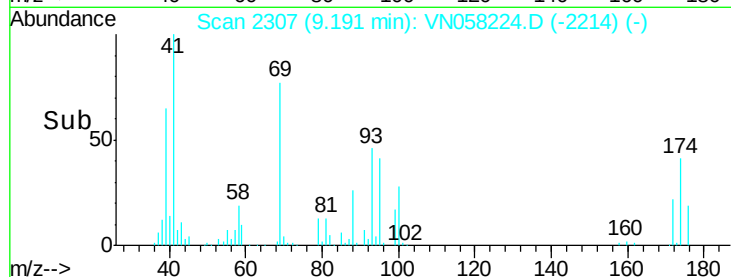
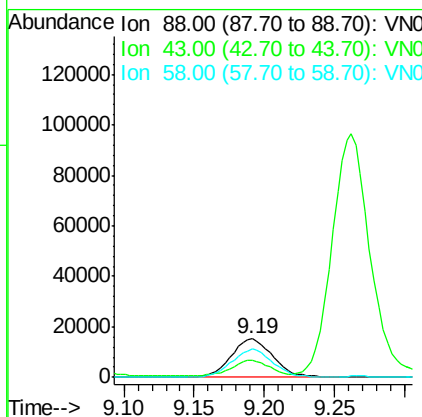
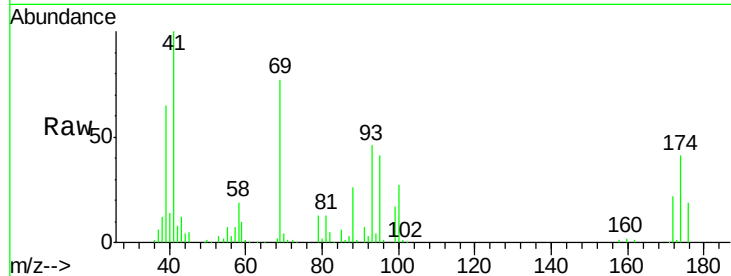
#49
 1,4-Dioxane
 Concen: 359.684 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	88	Resp	31830
Ion	Ratio	Lower	Upper
88	100		
43	37.3	27.8	41.8
58	70.9	55.0	82.4

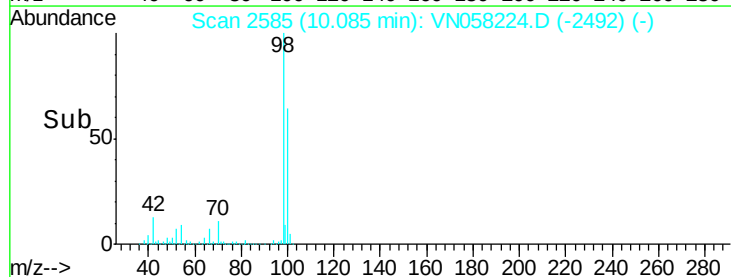
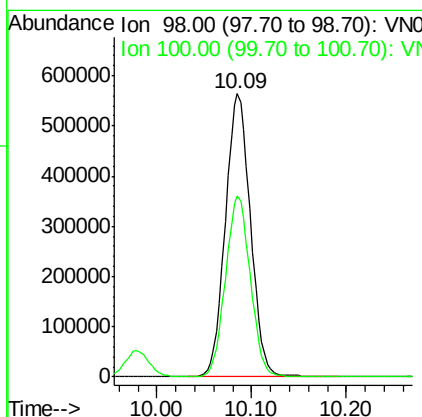
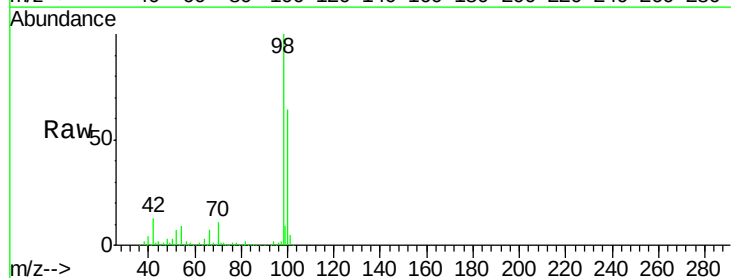
Manual Integrations
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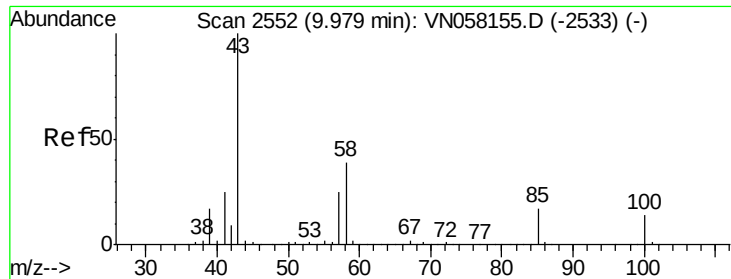
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#50
 Toluene-d8
 Concen: 51.640 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	98	Resp	1038854
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 113.797 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion: 43 Resp: 717545

Ion Ratio Lower Upper

43 100

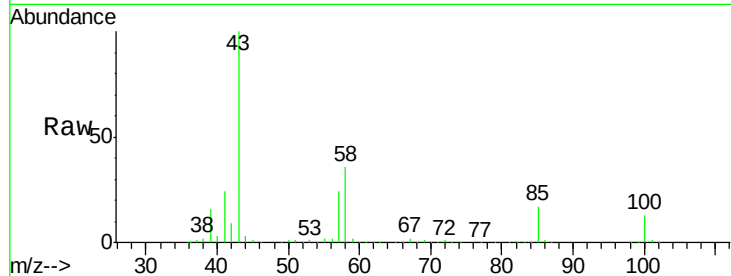
58 36.7 30.2 45.4

Manual Integrations

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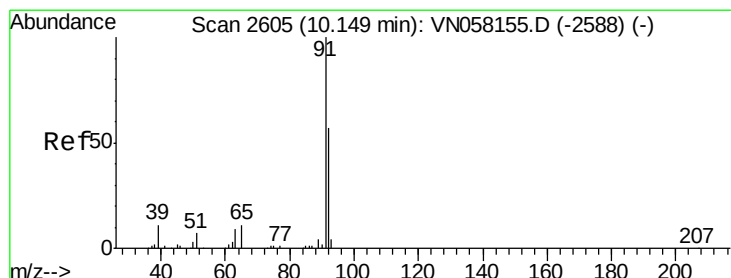
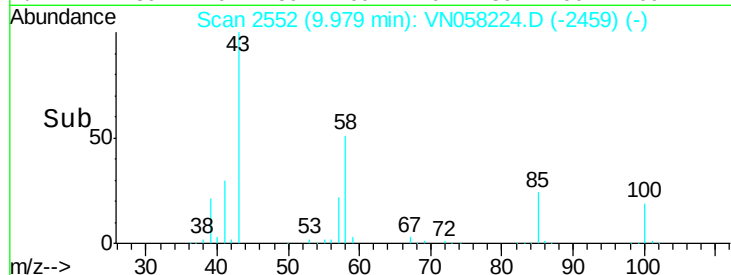
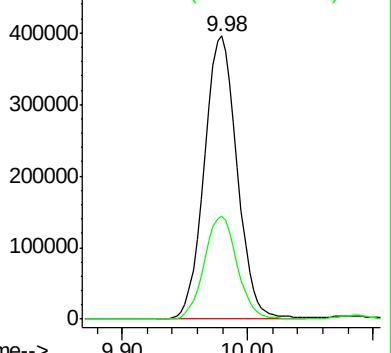
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.612 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058224.D

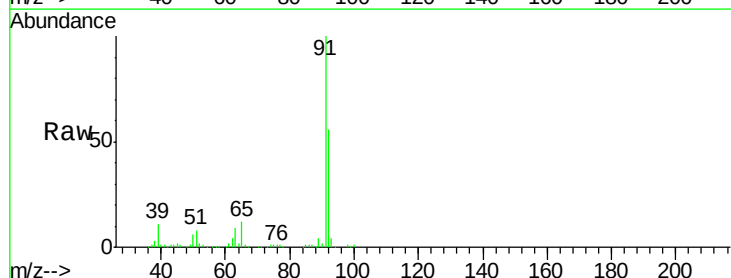
Acq: 19 Sep 2019 22:56

Tgt Ion: 92 Resp: 229944

Ion Ratio Lower Upper

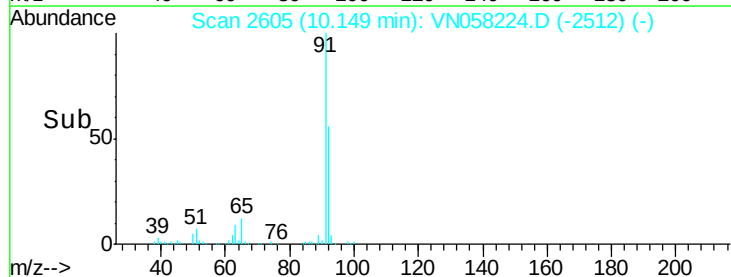
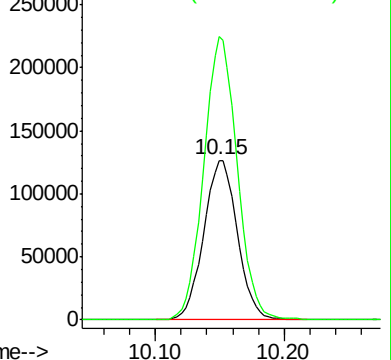
92 100

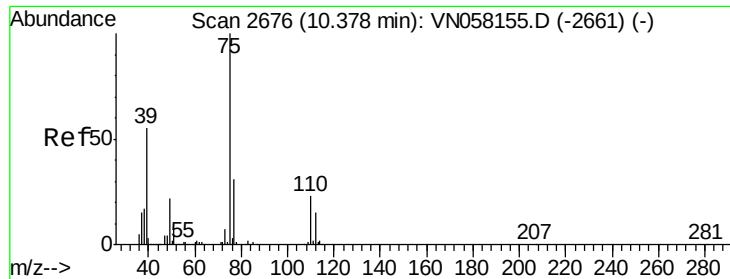
91 176.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





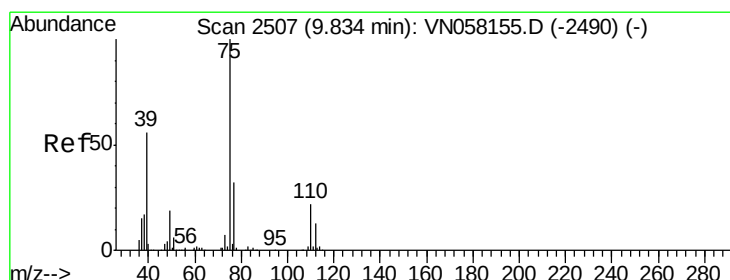
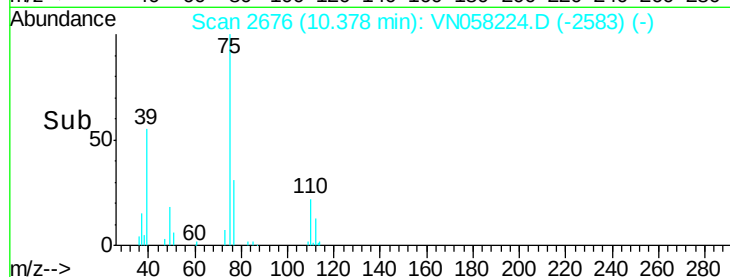
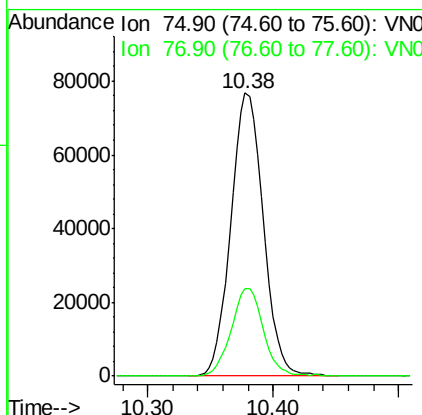
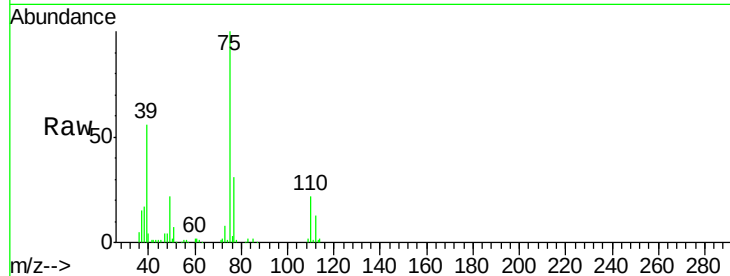
#53
 t-1,3-Dichloropropene
 Concen: 18.934 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

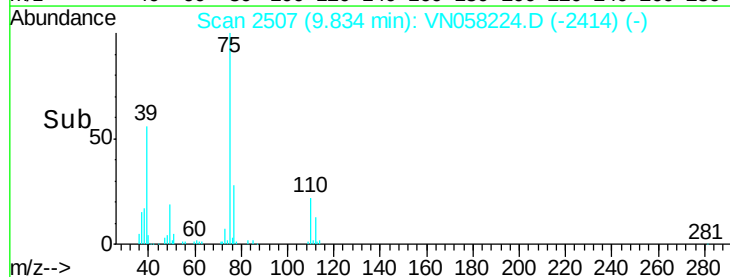
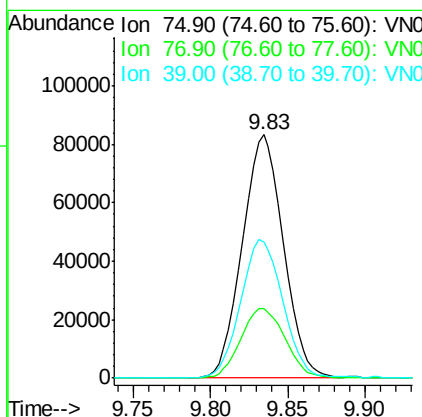
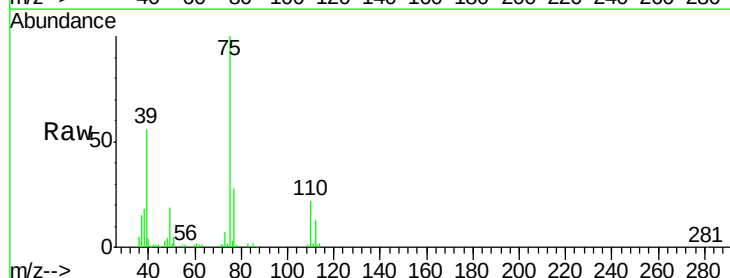
Manual Integrations
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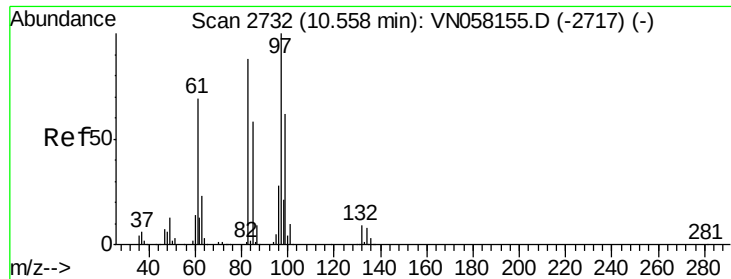
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#54
 cis-1,3-Dichloropropene
 Concen: 19.192 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.3	25.4	38.0
39	56.1	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 20.836 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

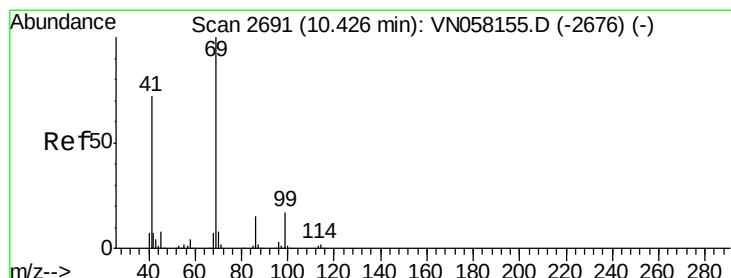
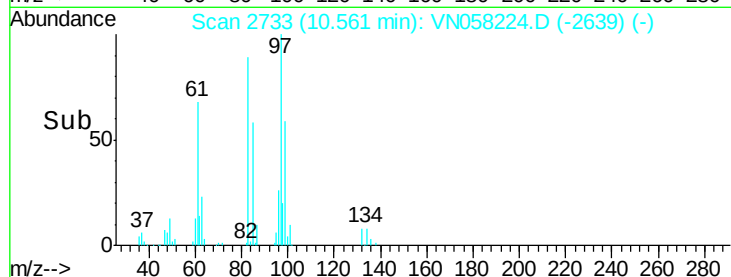
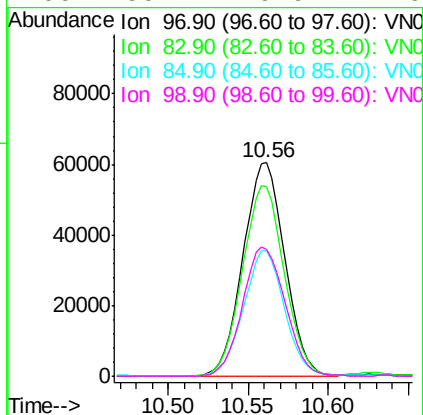
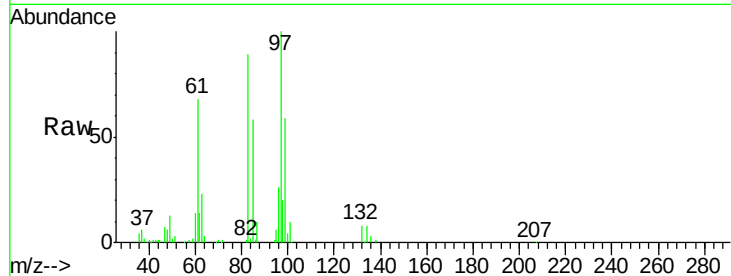
ClientSampleId :

VN0919WBSD02

Tot Ion:	97	Resp:	108410
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.4	105.6
85	58.5	46.8	70.2
99	59.4	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.379 ug/l

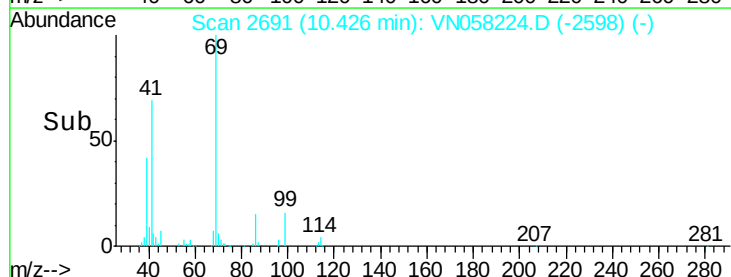
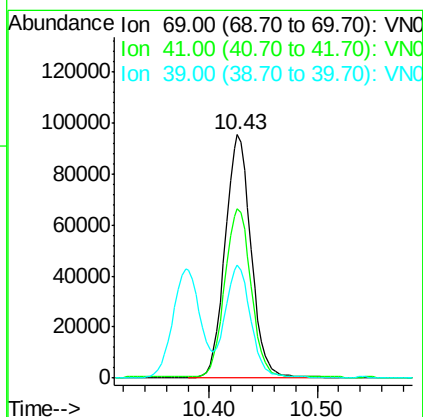
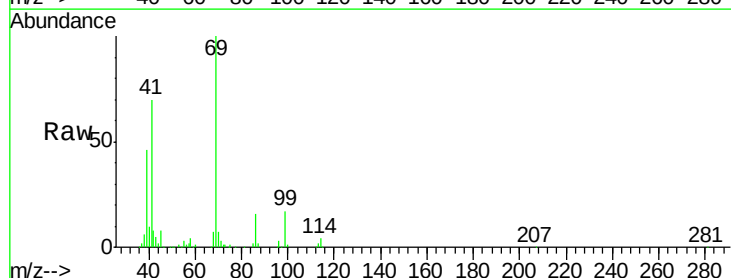
RT: 10.43 min Scan# 2691

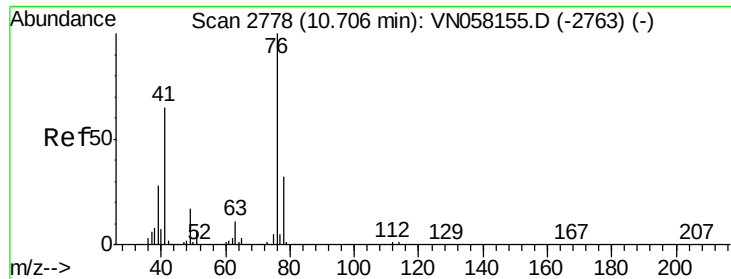
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	69	Resp:	160496
Ion	Ratio	Lower	Upper
69	100		
41	69.5	57.5	86.3
39	45.3	36.1	54.1





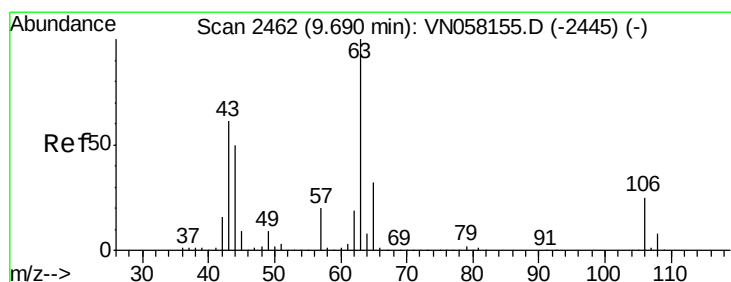
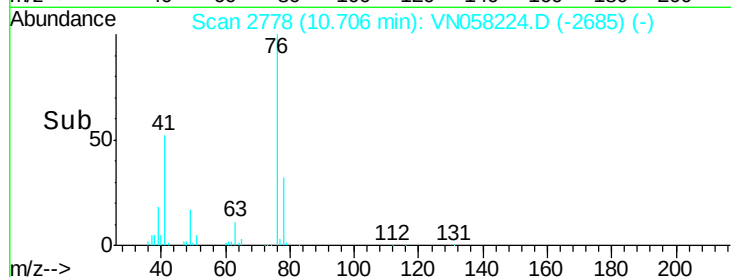
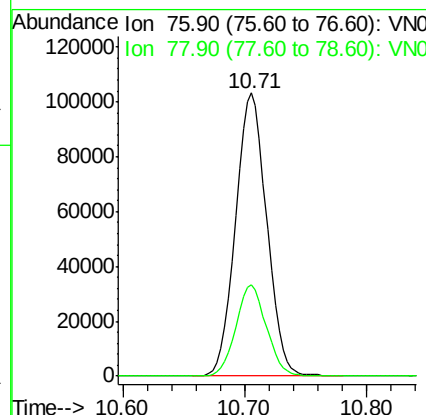
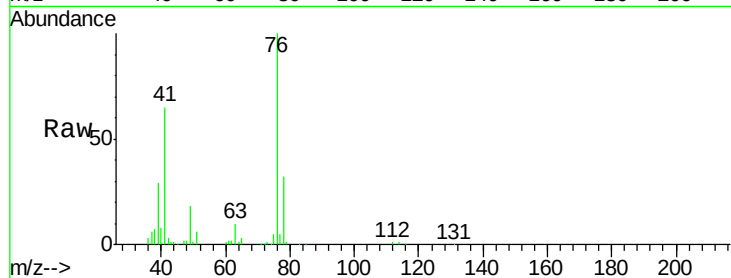
#57
 1,3-Dichloropropane
 Concen: 20.486 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.4	38.0

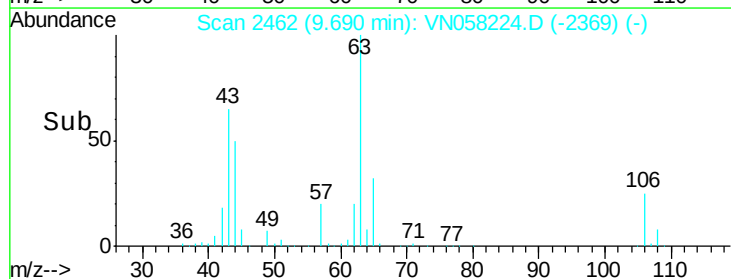
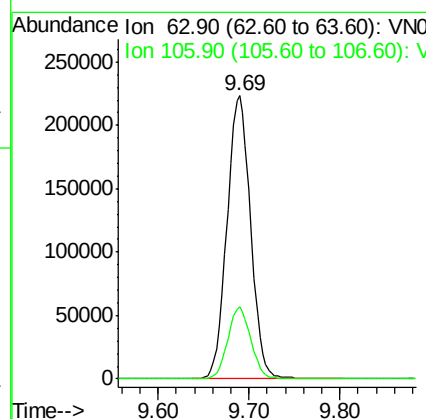
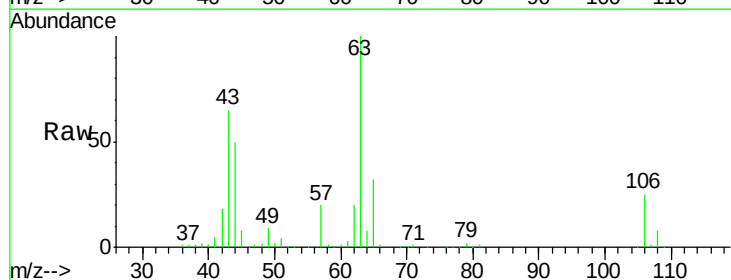
Manual Integrations
 APPROVED

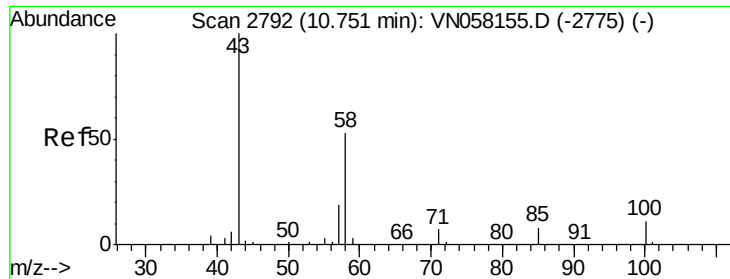
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.417 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.9	29.9





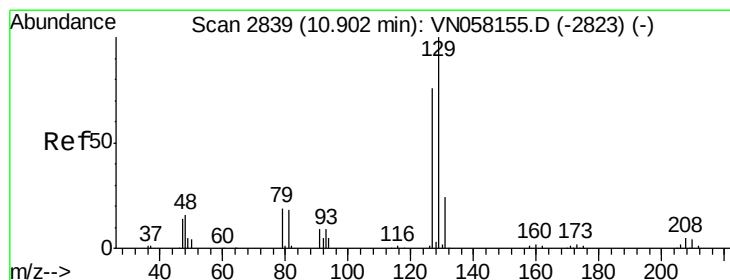
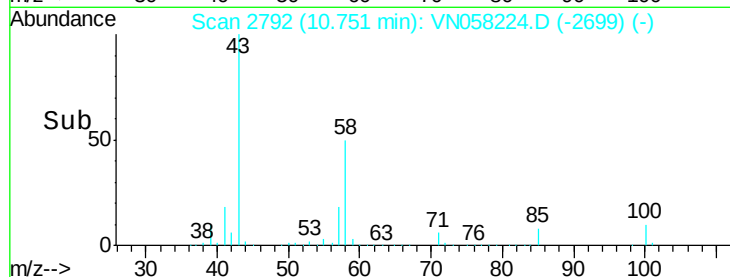
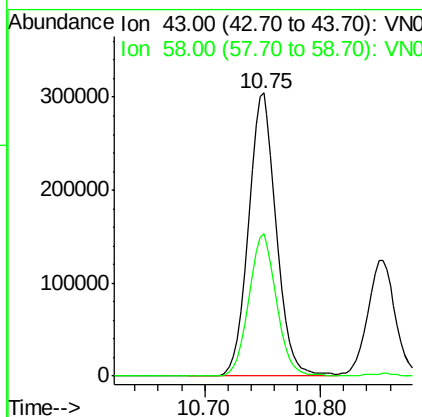
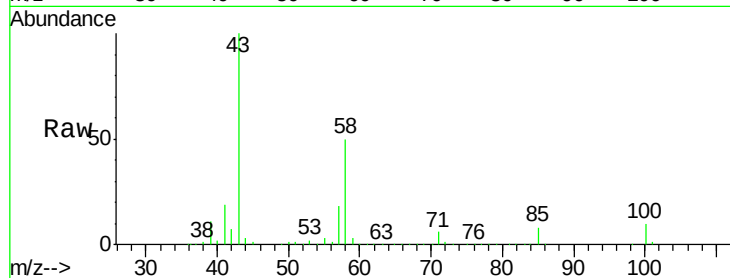
#59
2-Hexanone
Concen: 108.157 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion: 43 Resp: 506503
Ion Ratio Lower Upper
43 100
58 50.5 26.0 78.0

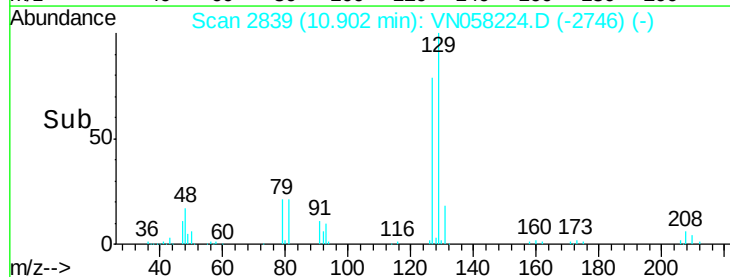
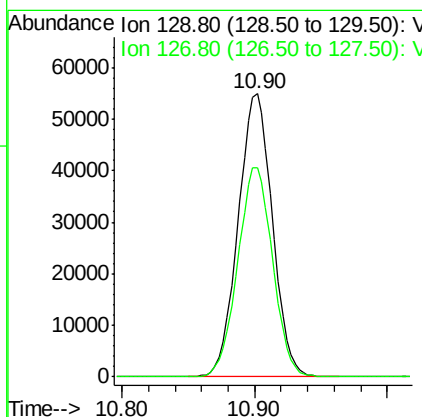
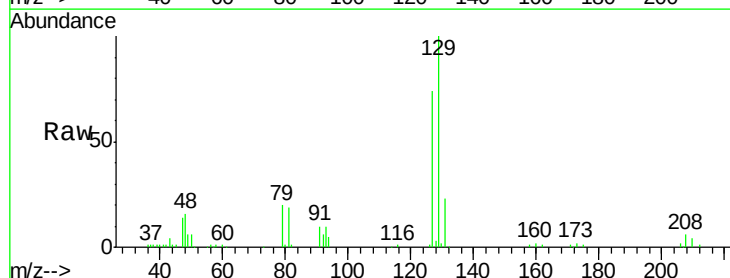
Manual Integrations
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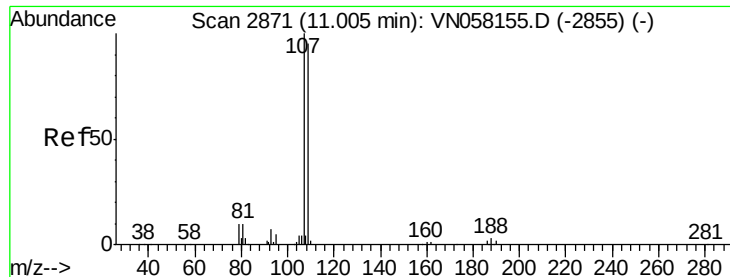
MMDadoda
9/20/2019 3:36:27 PM



#60
Dibromochloromethane
Concen: 19.645 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 129 Resp: 98333
Ion Ratio Lower Upper
129 100
127 75.3 38.7 116.1





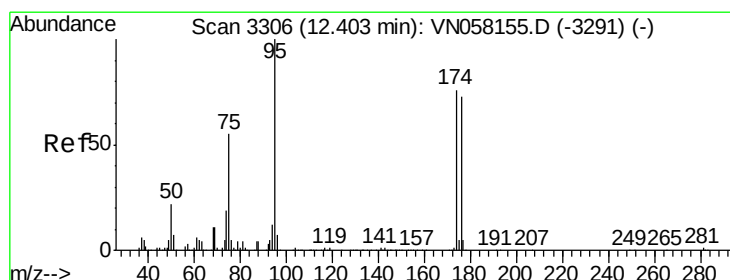
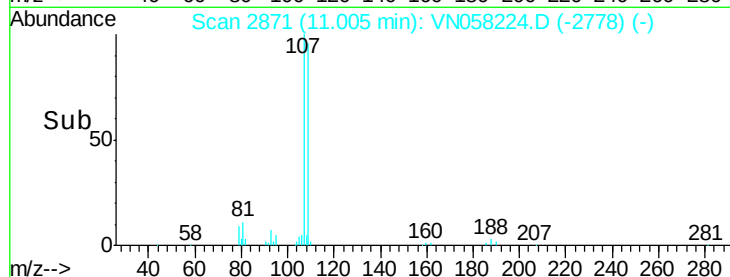
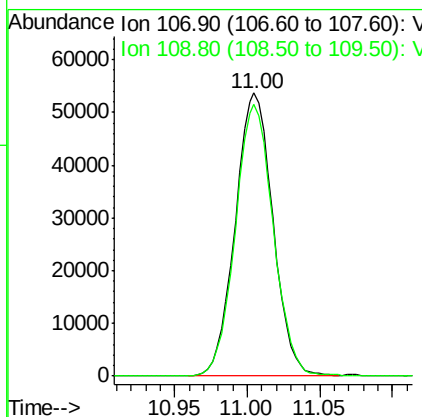
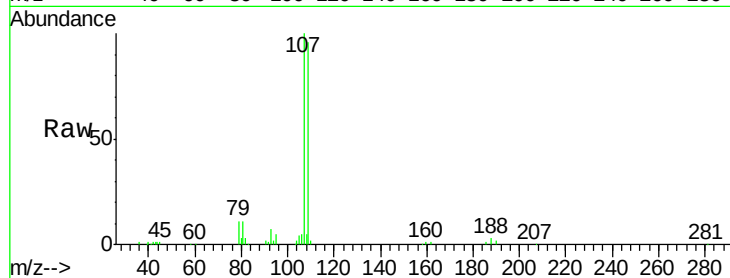
#61
 1,2-Dibromoethane
 Concen: 20.170 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.2

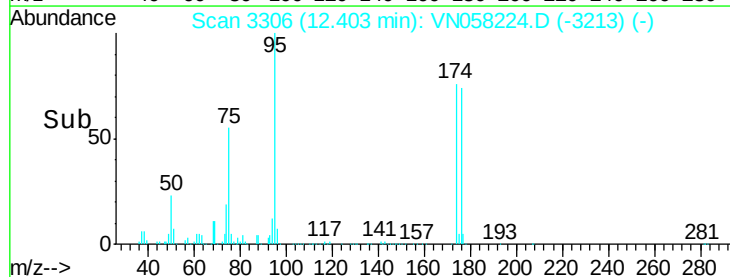
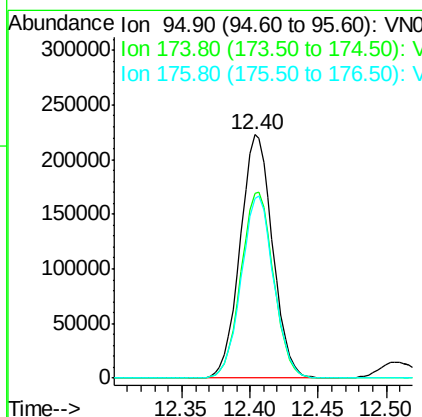
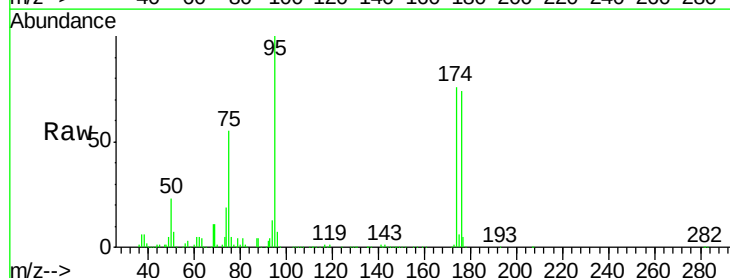
Manual Integrations
 APPROVED

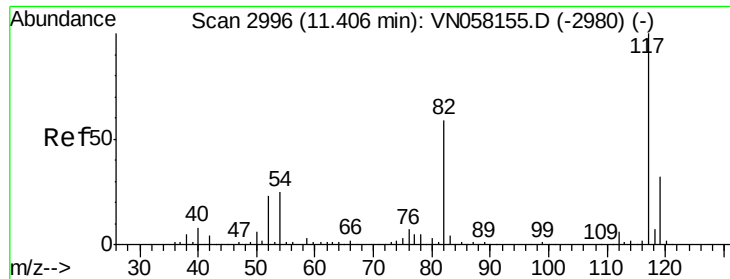
MMDadoda
 9/20/2019 3:36:27 PM



#62
 4-Bromofluorobenzene
 Concen: 49.237 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	152.2
176	74.7	0.0	148.0





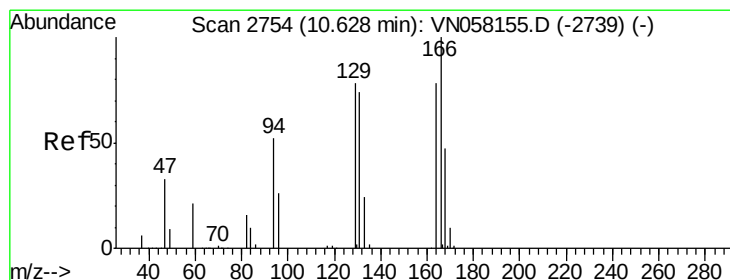
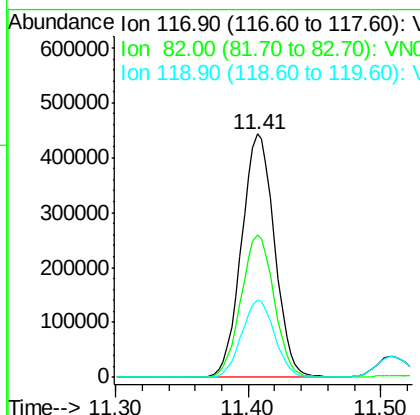
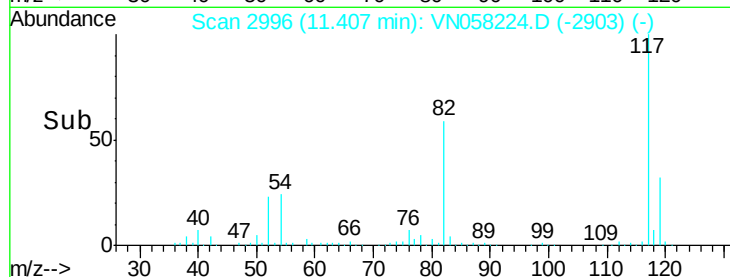
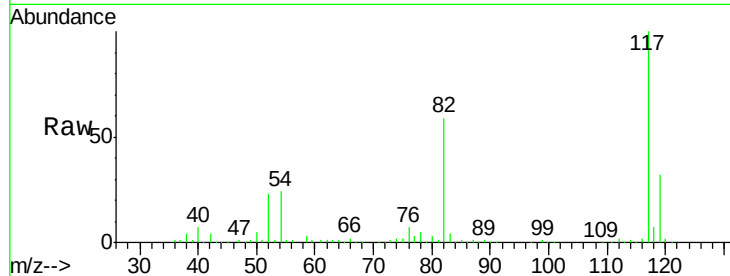
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	765417		
82	58.6	46.9	70.3	
119	31.5	25.3	37.9	

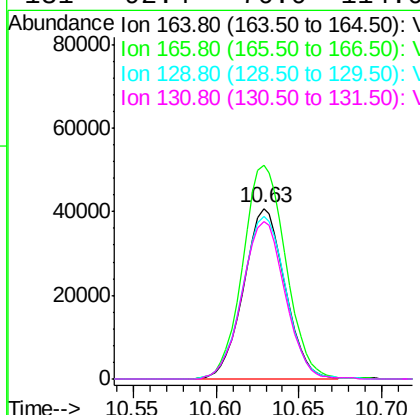
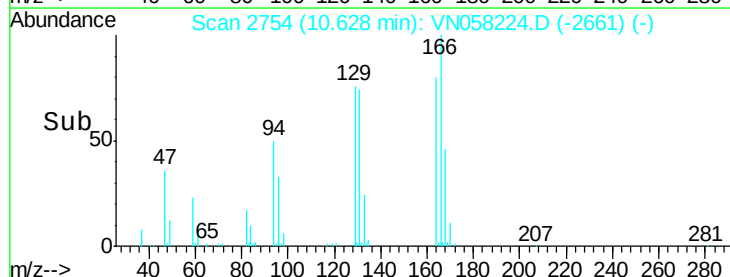
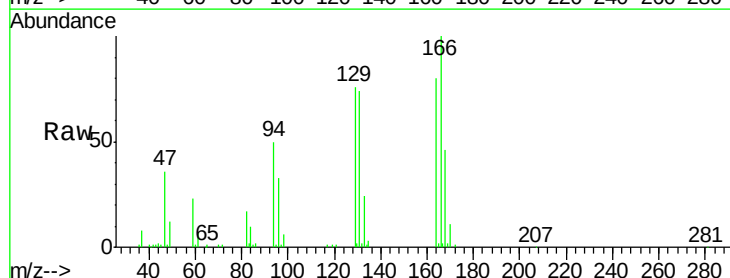
Manual Integrations
APPROVED

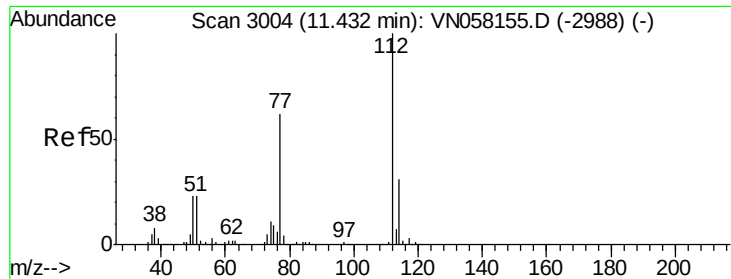
MMDadoda
9/20/2019 3:36:27 PM



#64
Tetrachloroethene
Concen: 18.989 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70852		
166	125.1	102.2	153.4	
129	95.5	79.6	119.4	
131	92.4	76.0	114.0	





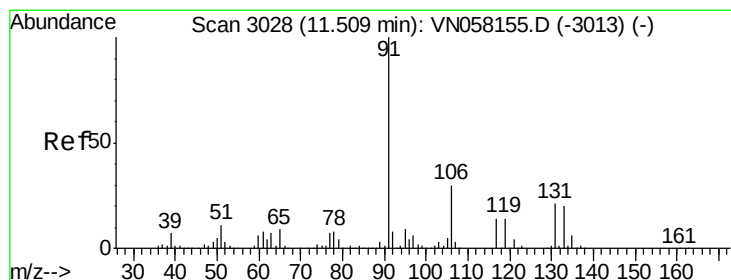
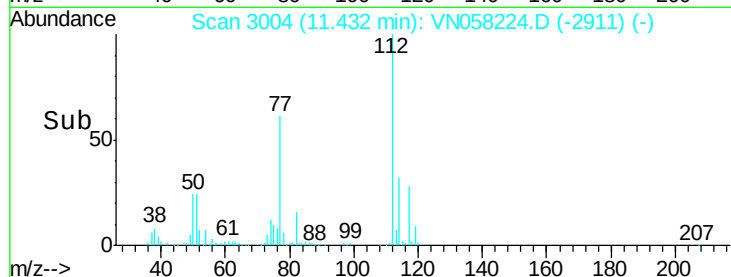
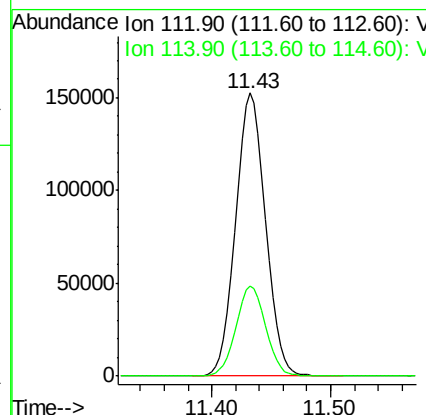
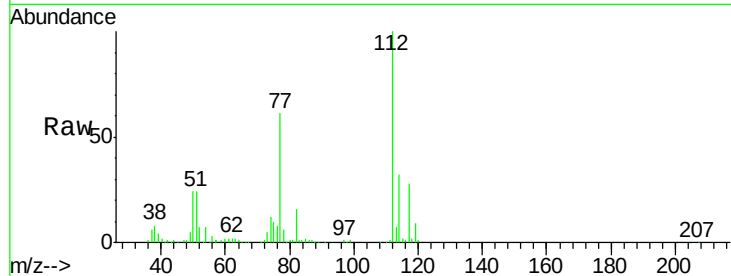
#65
Chlorobenzene
Concen: 19.731 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion:112 Resp: 265641
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

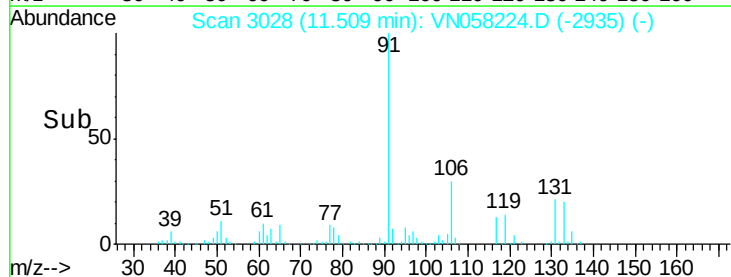
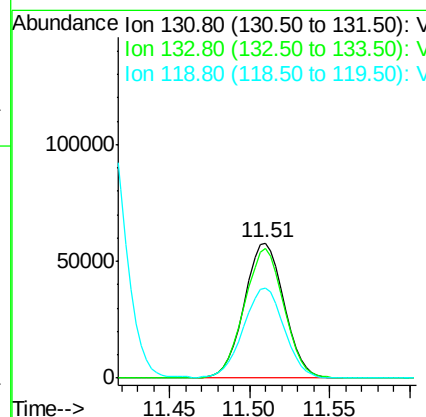
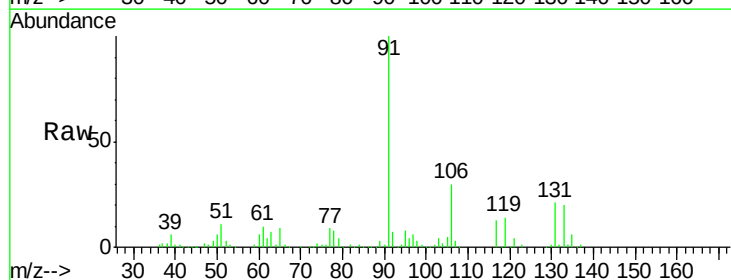
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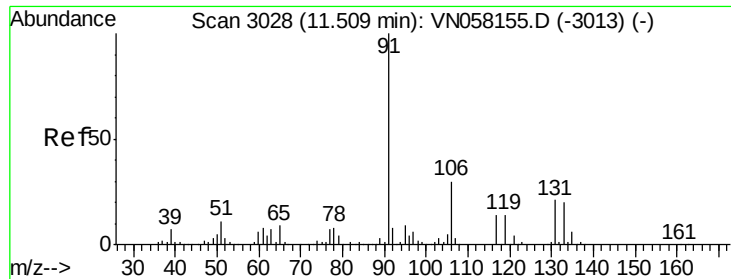
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.270 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion:131 Resp: 98953
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 68.2 33.1 99.3





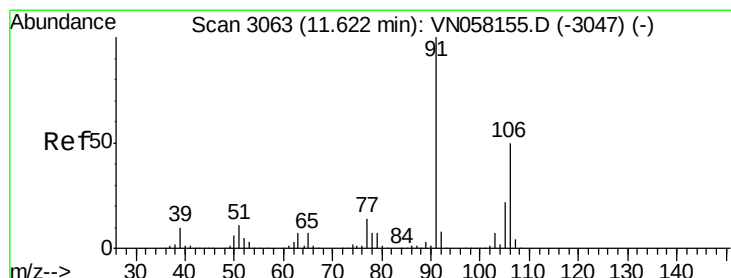
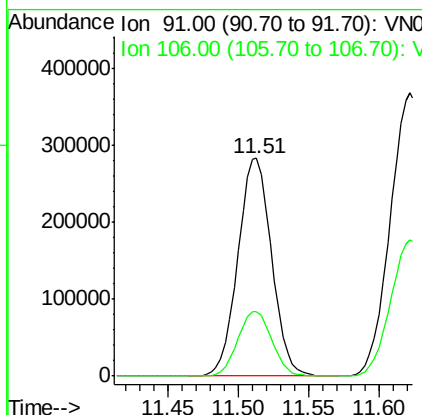
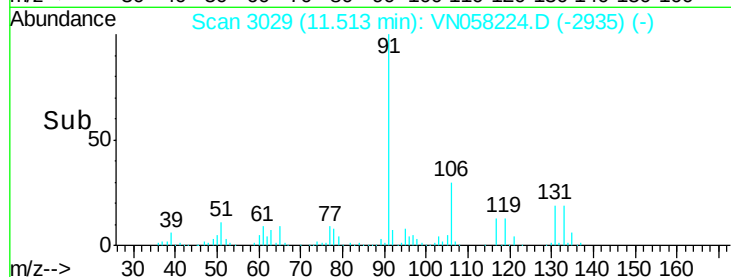
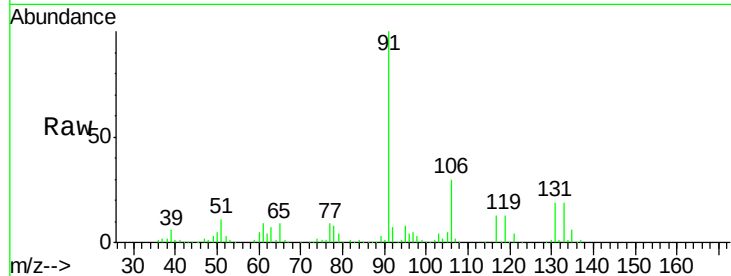
#67
Ethyl Benzene
Concen: 20.545 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion: 91 Resp: 473950
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

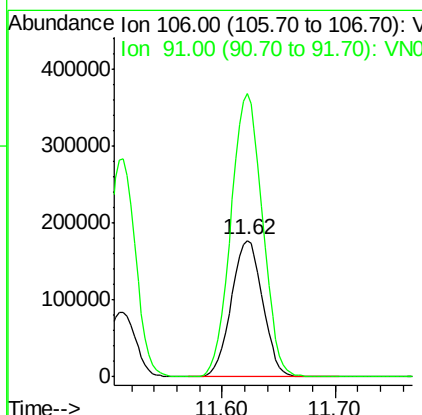
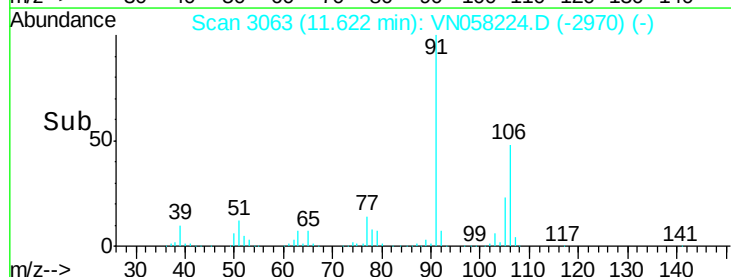
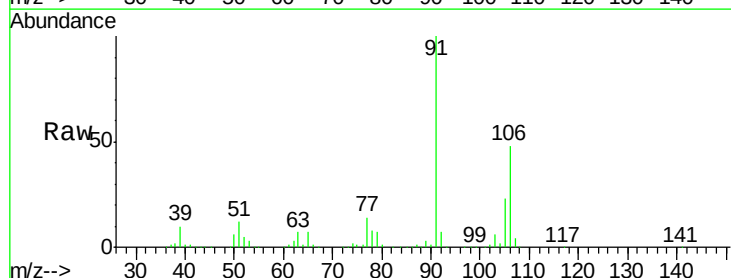
Manual Integrations
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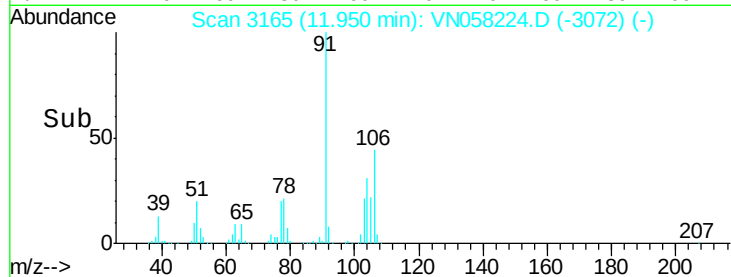
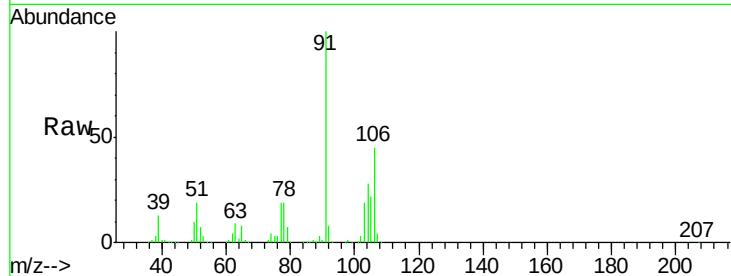
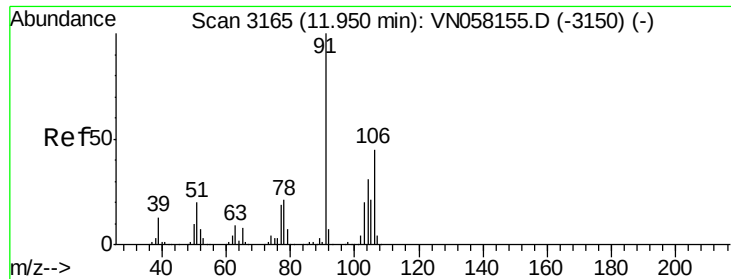
MMDadoda
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#68
m/p-Xylenes
Concen: 39.454 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion: 106 Resp: 342791
Ion Ratio Lower Upper
106 100
91 208.1 163.6 245.4





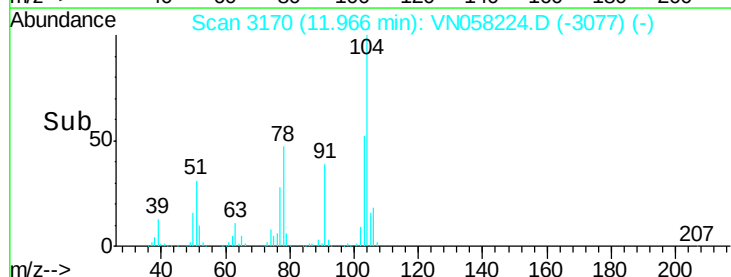
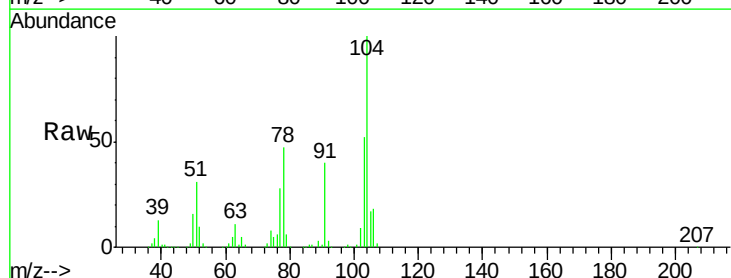
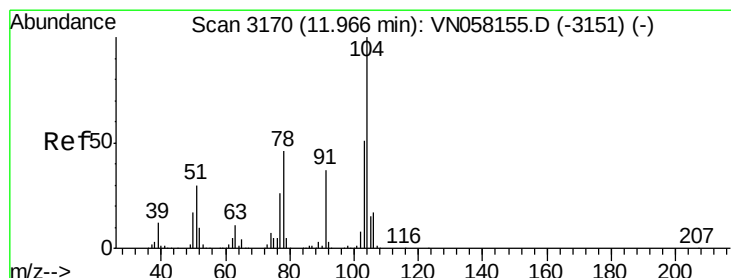
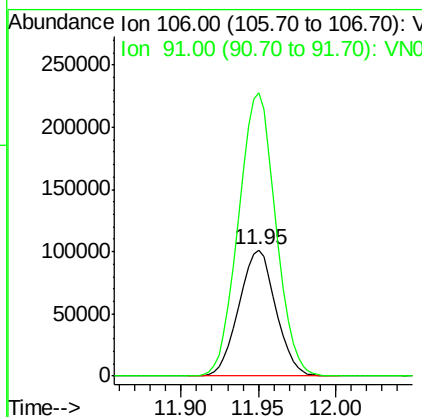
#69
o-Xylene
Concen: 19.730 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		168560		
91	226.5	111.8	335.3		

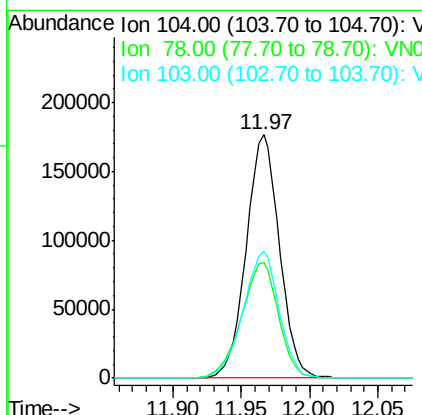
Manual Integrations
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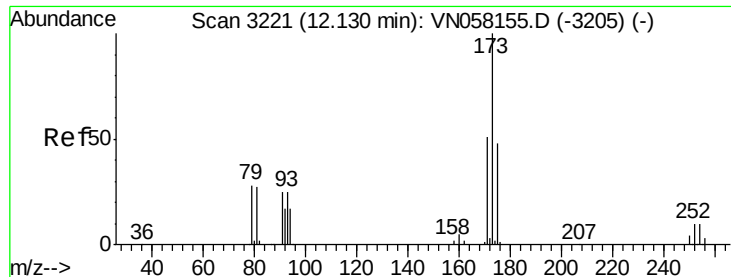
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#70
Styrene
Concen: 20.280 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		298518		
78	53.1	41.8	62.8		
103	56.3	44.2	66.2		





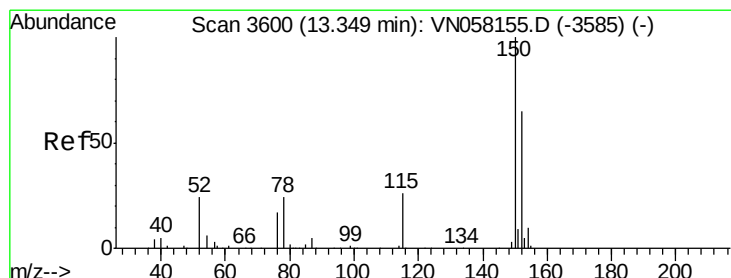
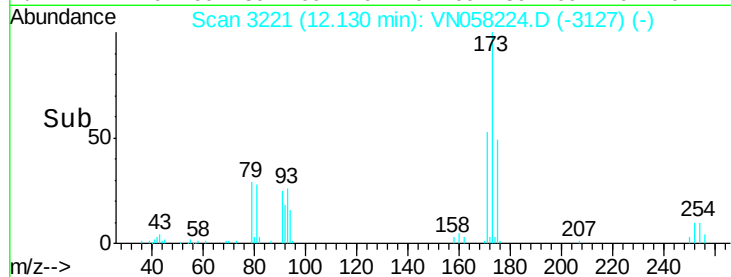
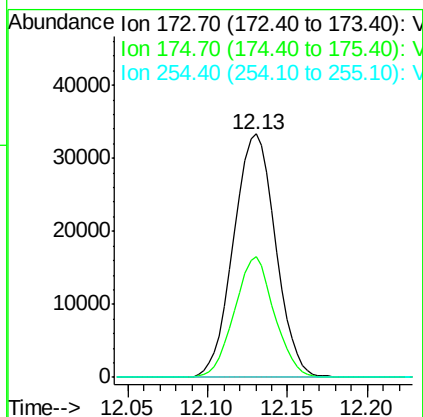
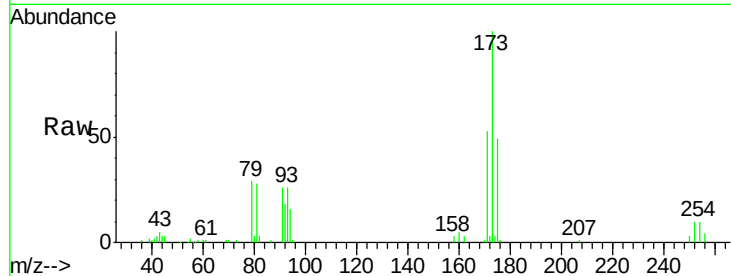
#71
Bromoform
Concen: 18.910 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.2	72.6
254	0.0	0.1	0.1#

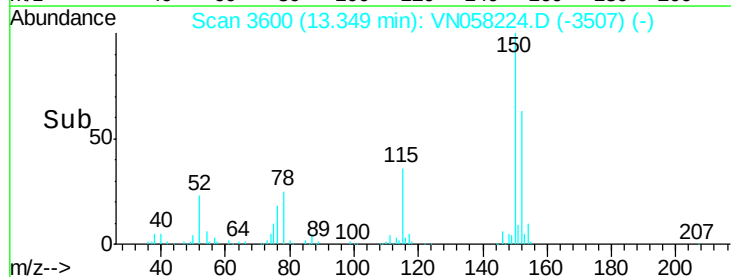
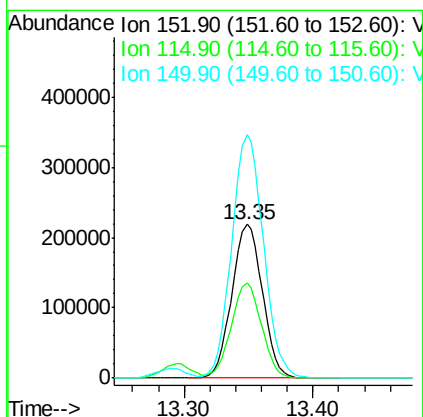
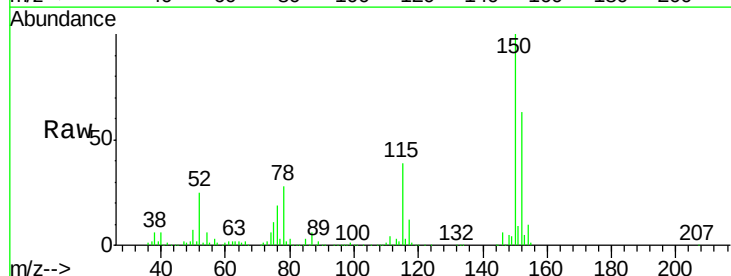
Manual Integrations
APPROVED

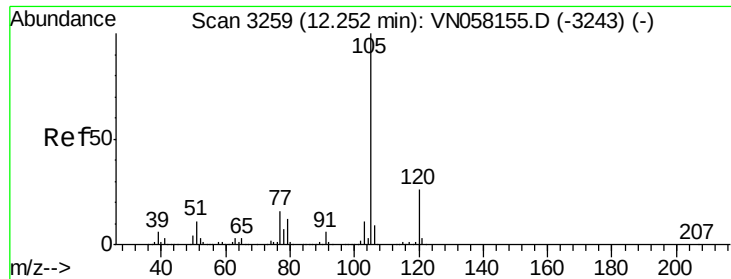
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	163.8	0.0	346.4





#73

Isopropylbenzene

Concen: 21.738 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:105 Resp: 491432

Ion Ratio Lower Upper

105 100

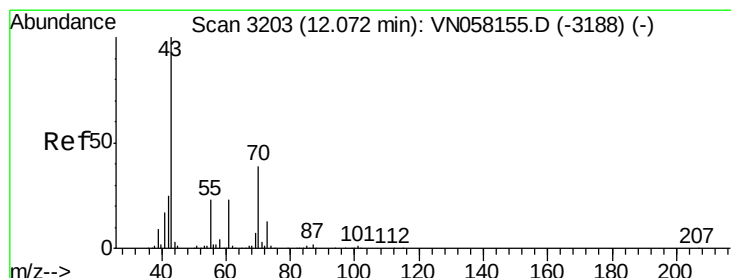
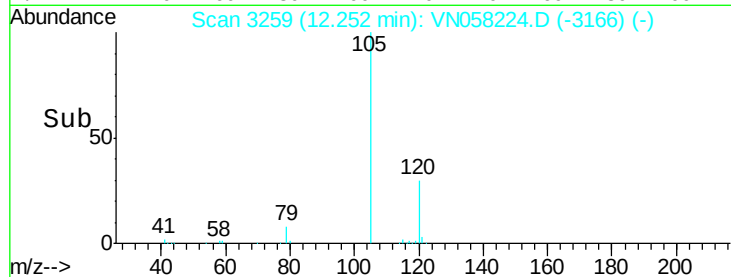
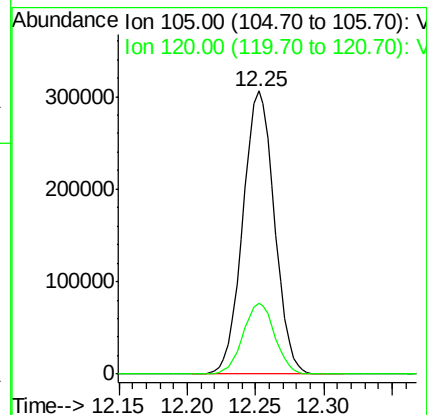
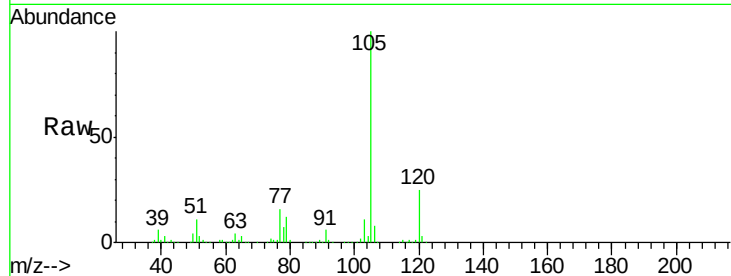
120 25.1 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.814 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion: 43 Resp: 225223

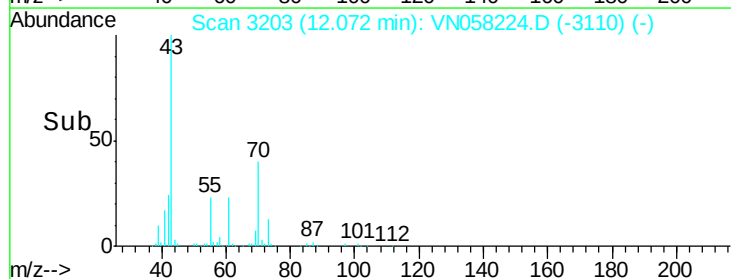
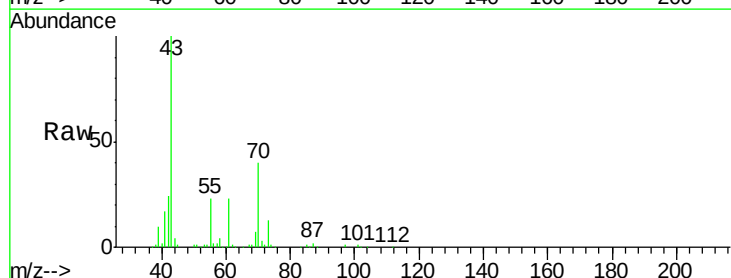
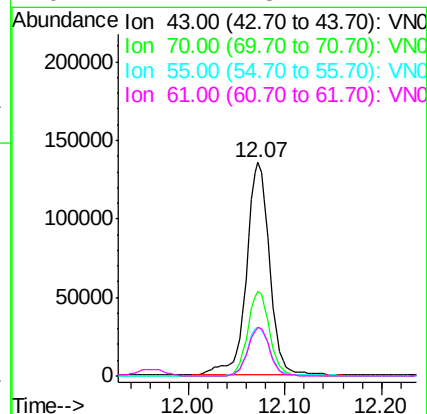
Ion Ratio Lower Upper

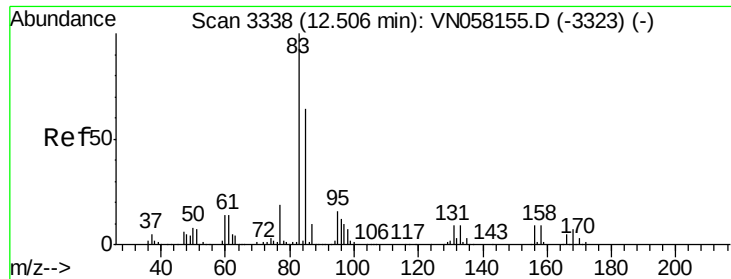
43 100

70 37.5 31.0 46.6

55 22.4 18.5 27.7

61 21.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.635 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

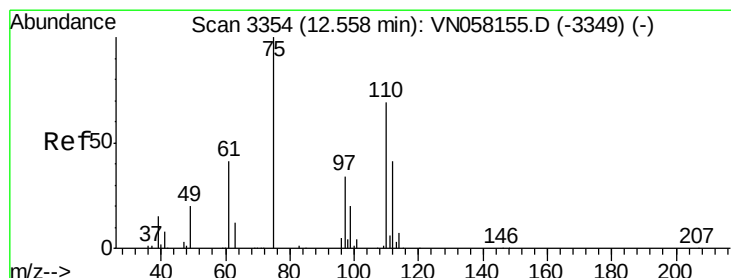
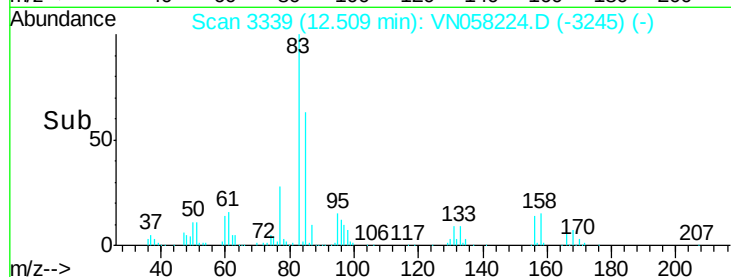
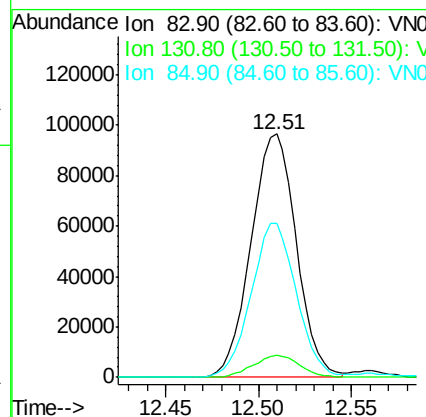
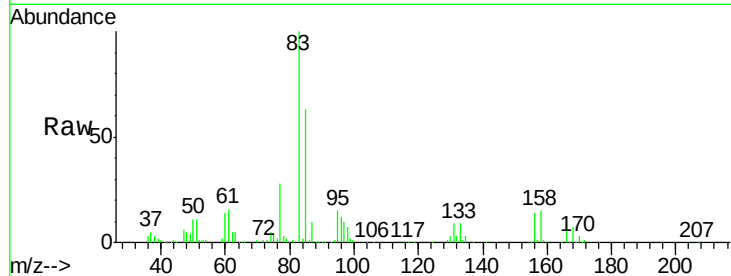
ClientSampleId :

VN0919WBSD02

Tot Ion:	83	Resp:	163791
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.635 ug/l m

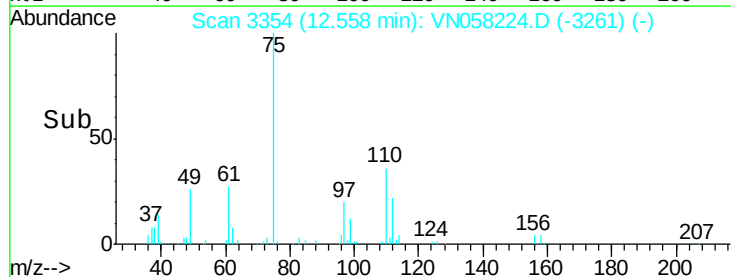
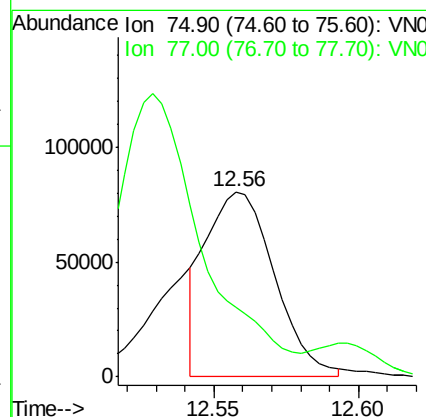
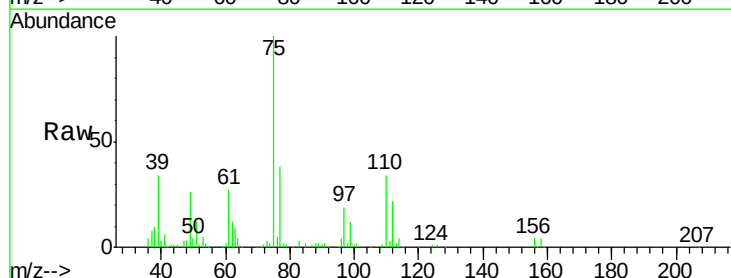
RT: 12.56 min Scan# 3354

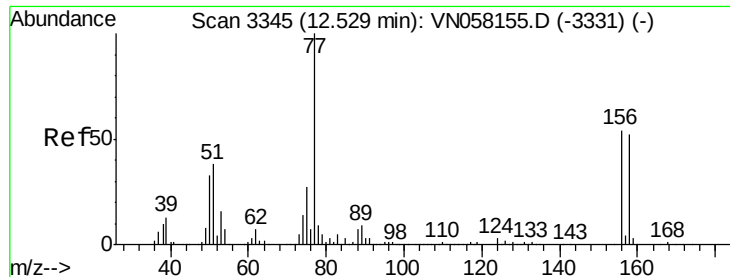
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	75	Resp:	133380
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:156 Resp: 114355

Ion Ratio Lower Upper

156 100

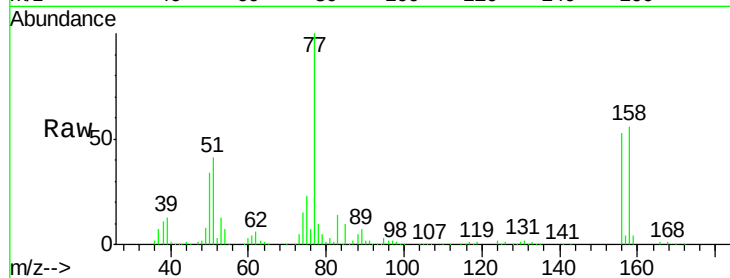
77 224.1 111.7 335.1

158 100.6 47.9 143.8

Manual Integrations
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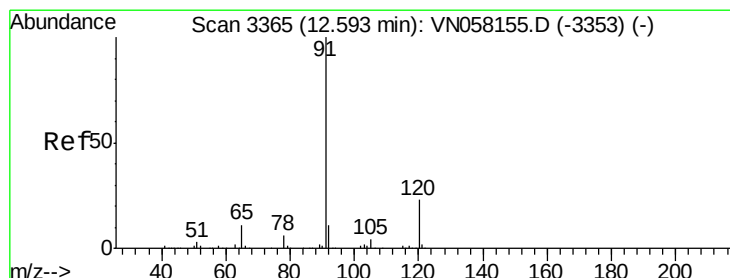
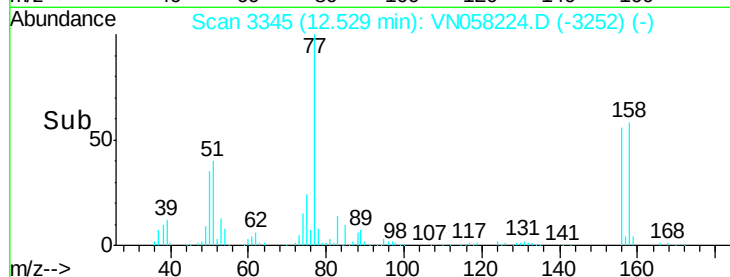
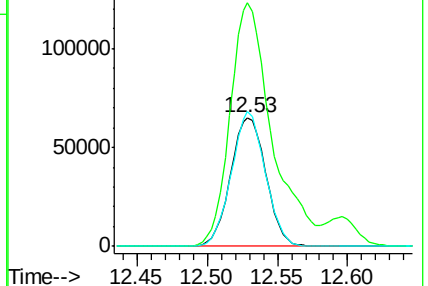
9/20/2019 3:36:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.519 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058224.D

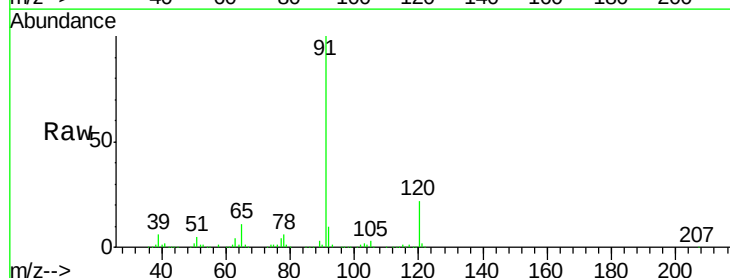
Acq: 19 Sep 2019 22:56

Tgt Ion: 91 Resp: 552825

Ion Ratio Lower Upper

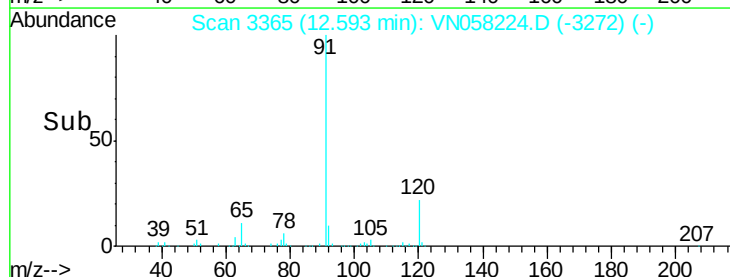
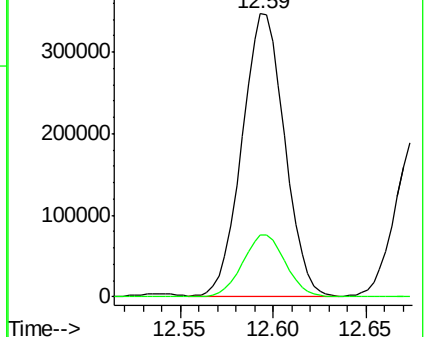
91 100

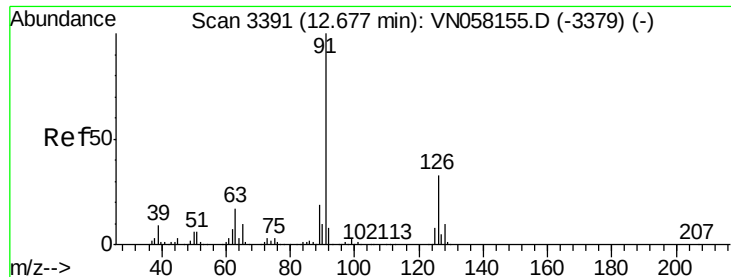
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





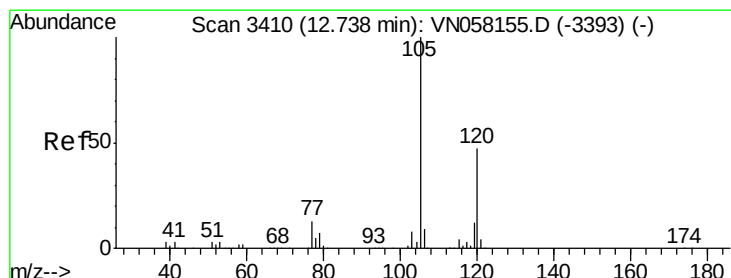
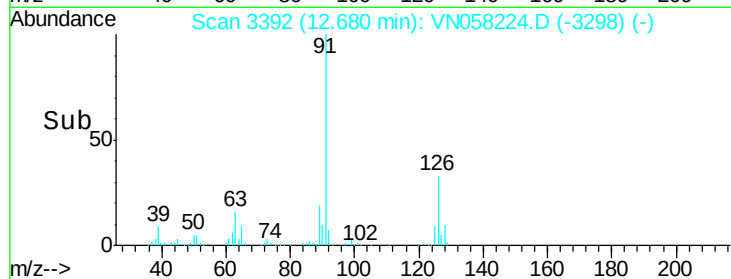
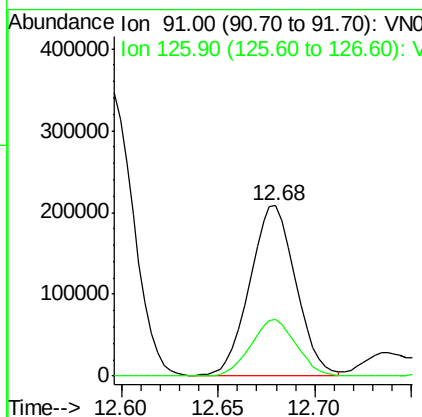
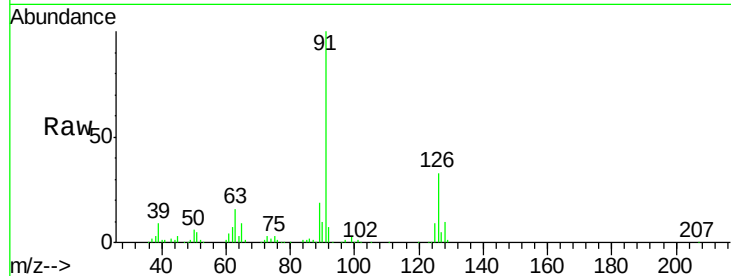
#79
2-Chlorotoluene
Concen: 21.310 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.1

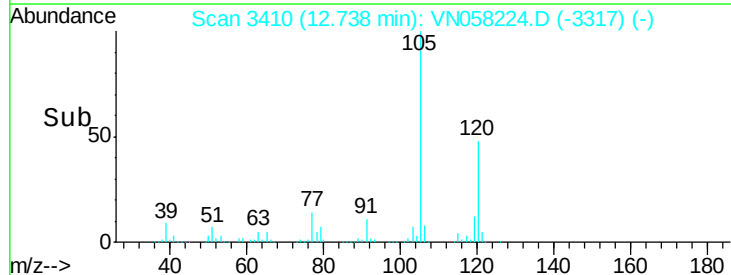
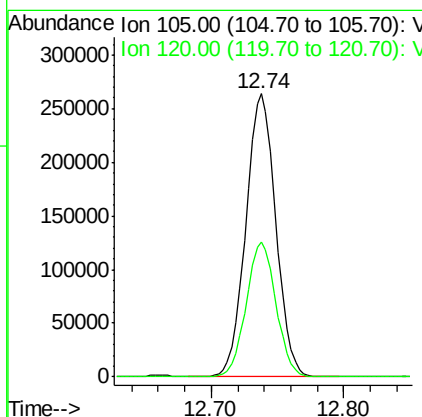
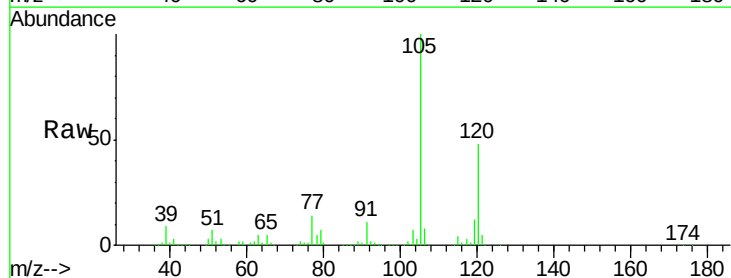
Manual Integrations
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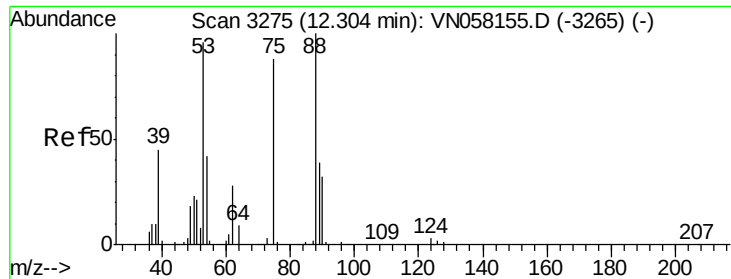
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.497 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.4	70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.585 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

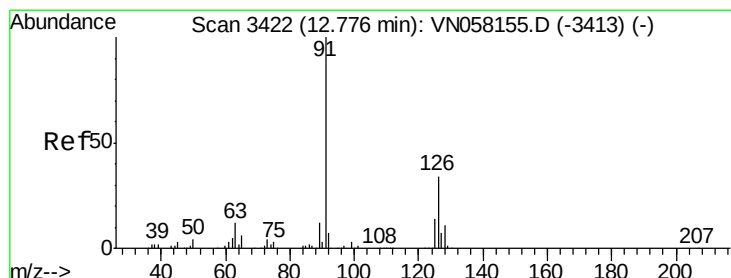
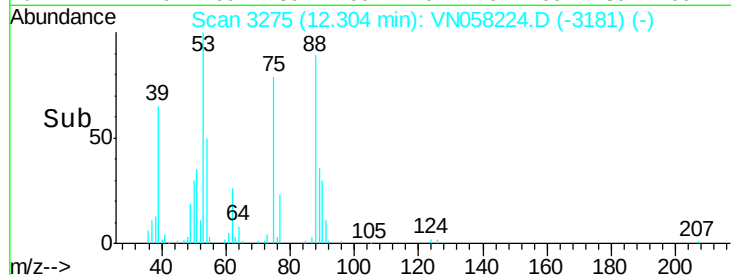
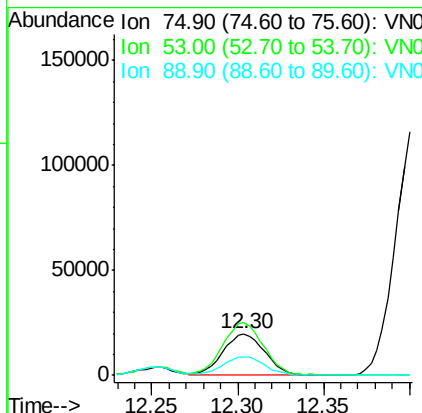
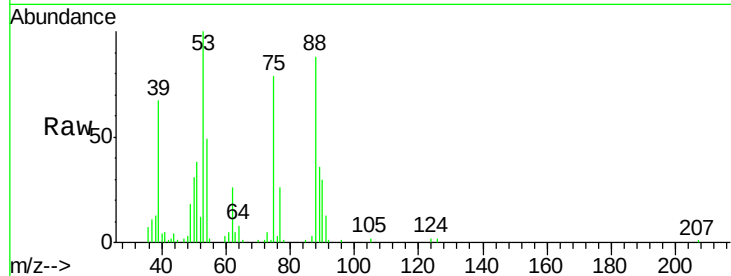
ClientSampleId :

VN0919WBSD02

Tot Ion:	75	Resp:	33902
Ion	Ratio	Lower	Upper
75	100		
53	121.3	90.1	135.1
89	43.4	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.560 ug/l

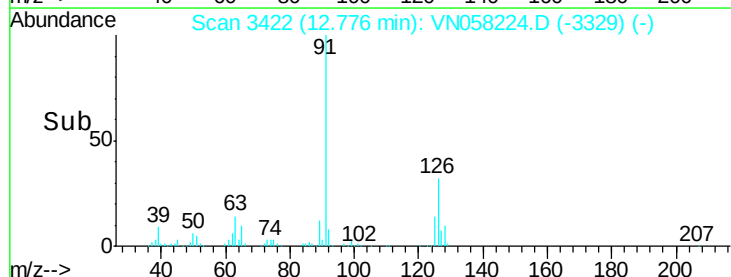
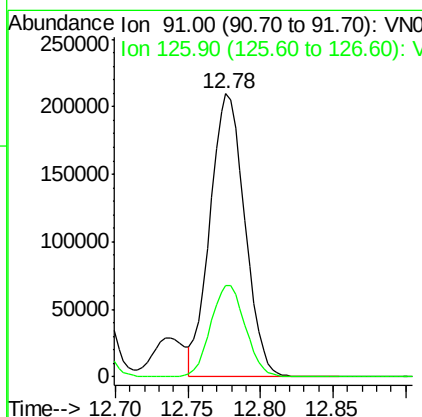
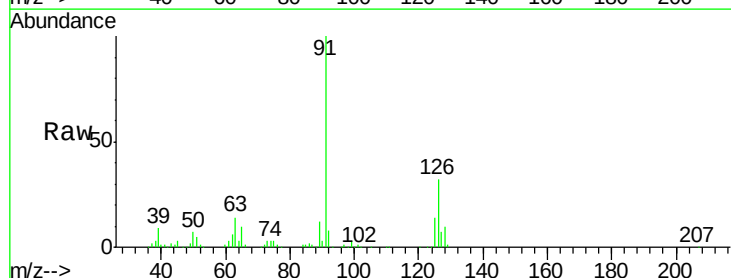
RT: 12.78 min Scan# 3422

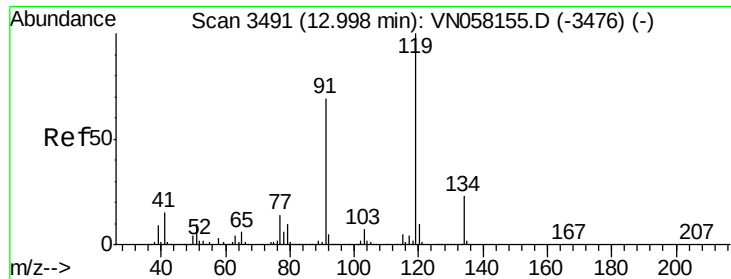
Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	91	Resp:	346991
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1





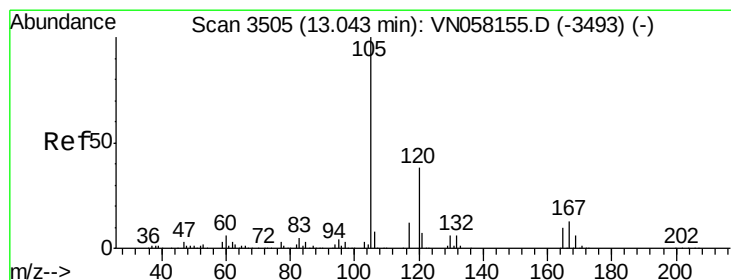
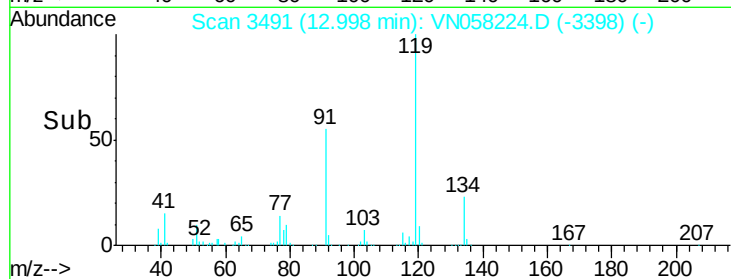
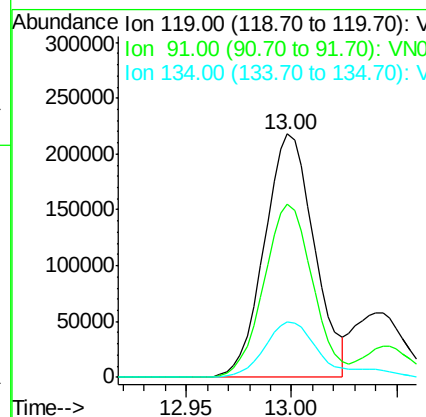
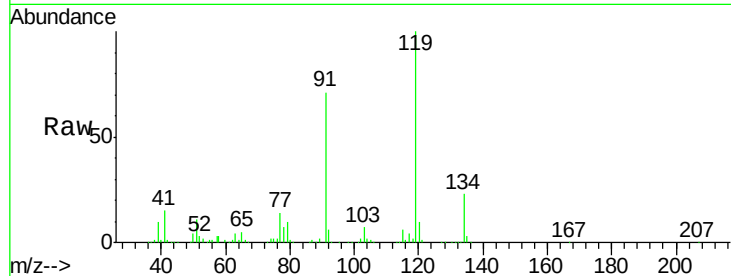
#83
 tert-Butylbenzene
 Concen: 21.007 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	33.8	101.3
134	26.2	11.6	34.8

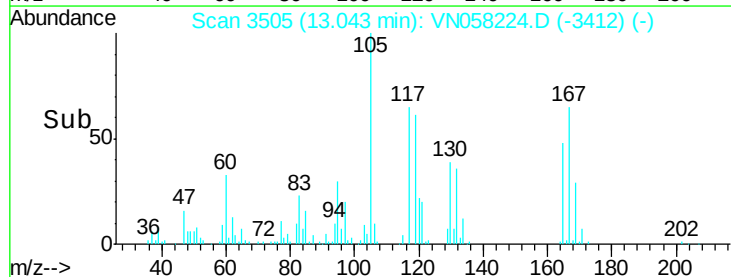
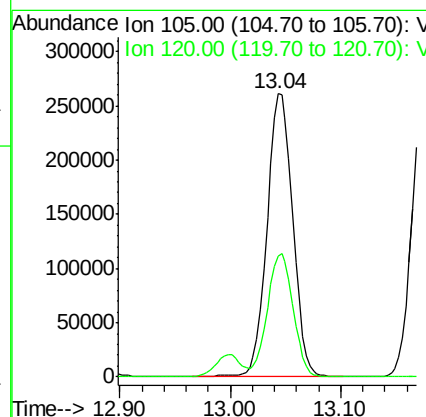
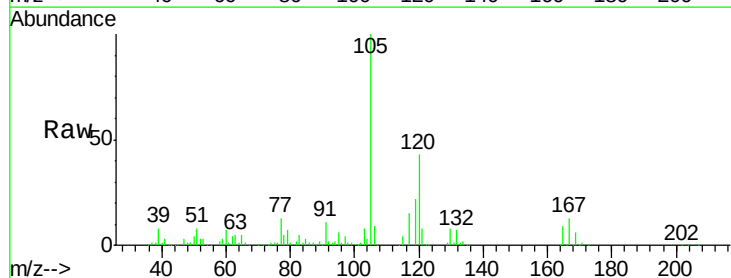
Manual Integrations
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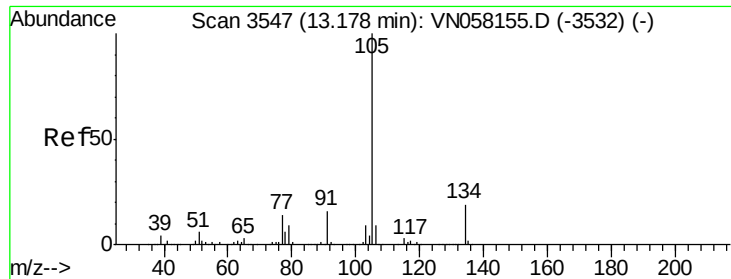
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.260 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.719 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD02

Tot Ion:105 Resp: 484187

Ion Ratio Lower Upper

105 100

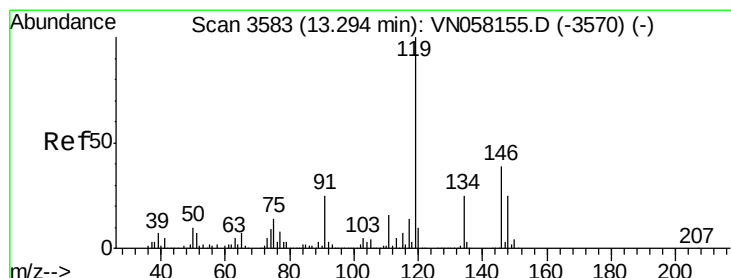
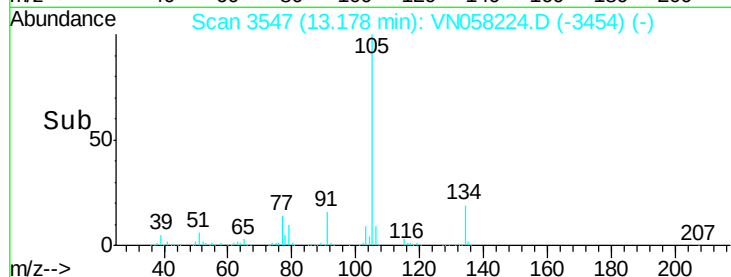
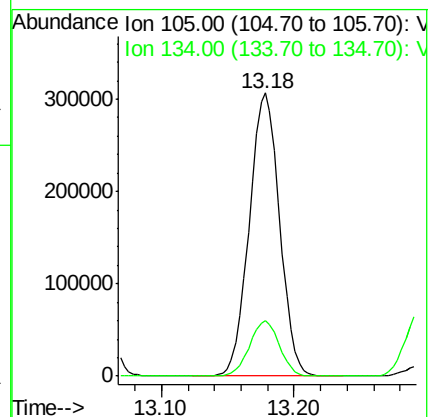
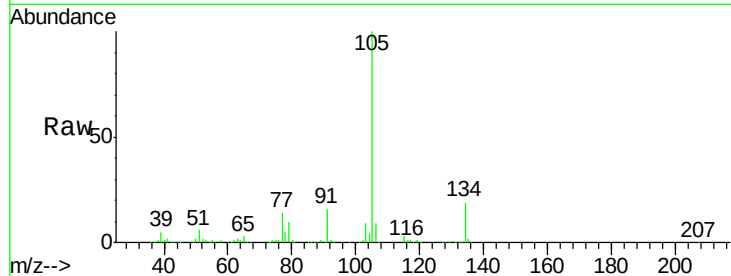
134 19.3 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.622 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

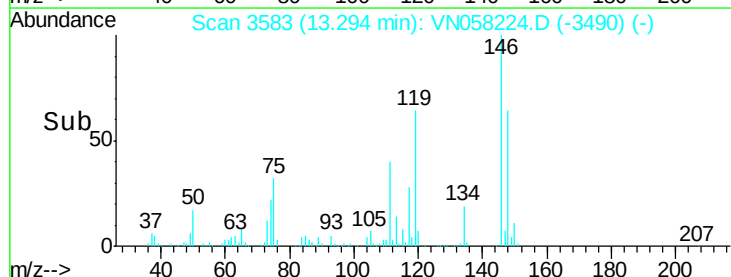
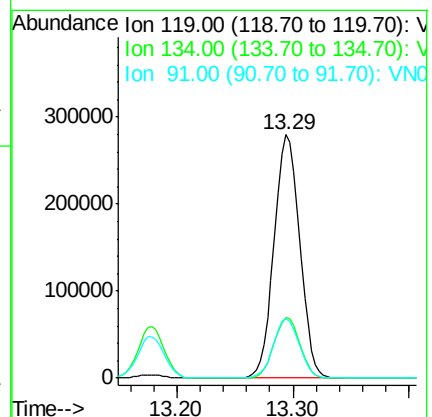
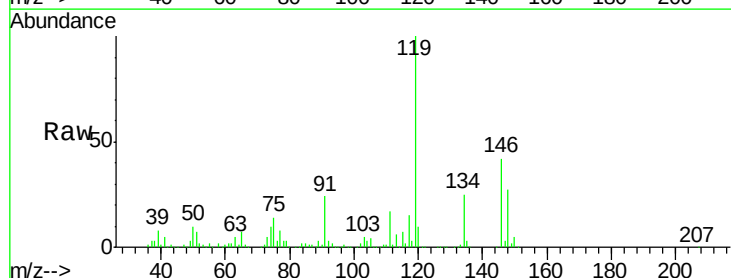
Tgt Ion:119 Resp: 428529

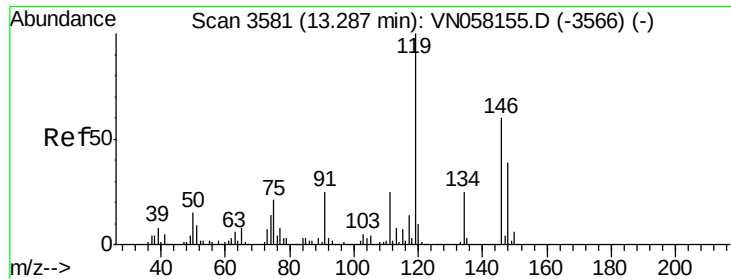
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.4 12.3 36.8





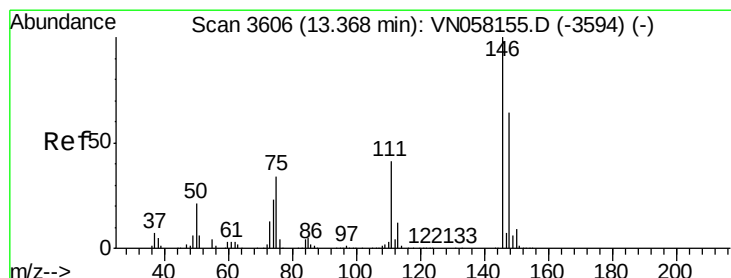
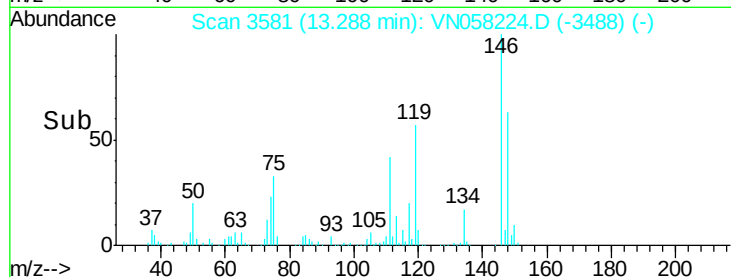
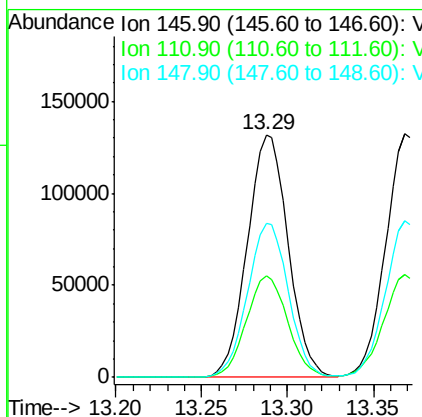
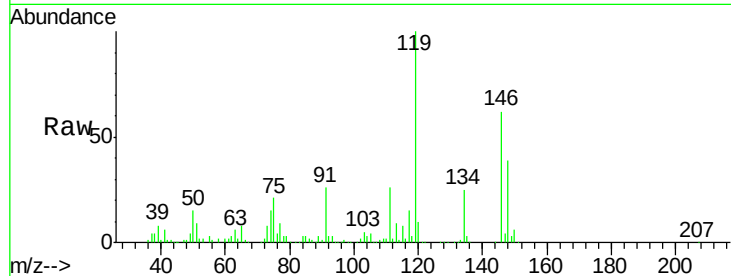
#87
 1,3-Dichlorobenzene
 Concen: 20.882 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	63.5	32.0	96.2

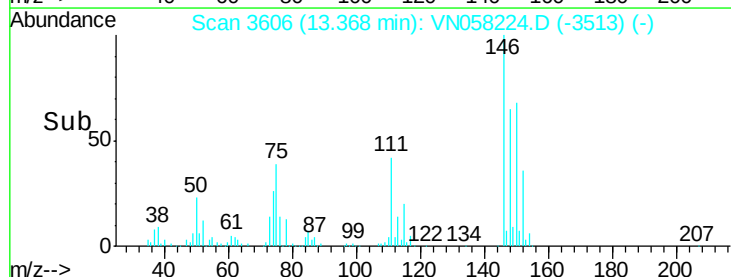
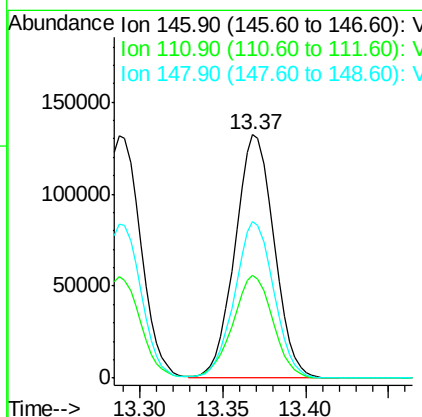
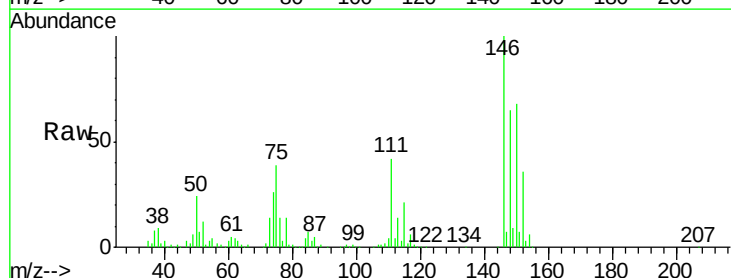
Manual Integrations
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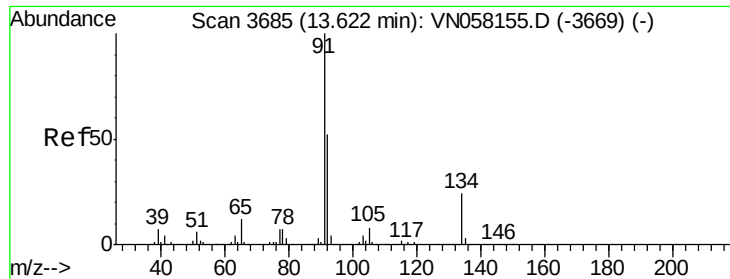
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#88
 1,4-Dichlorobenzene
 Concen: 20.461 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.5	61.5
148	64.3	31.9	95.5





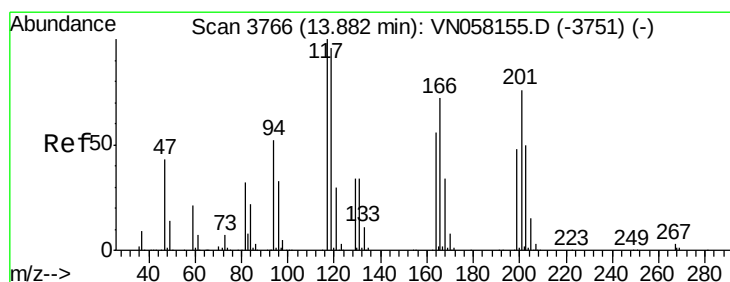
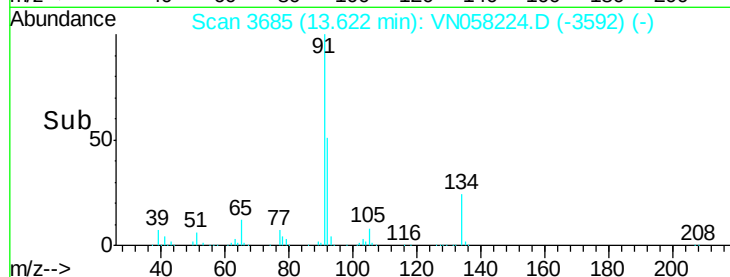
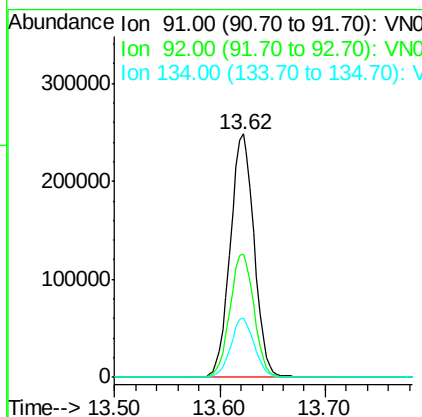
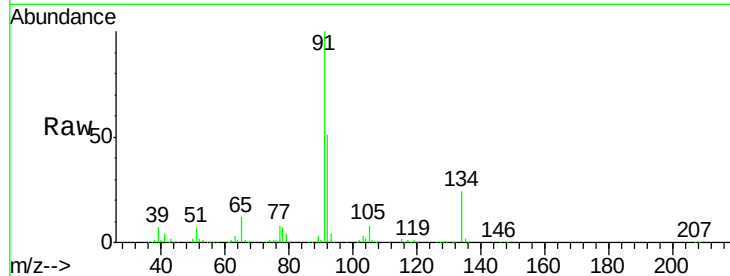
#89
n-Butylbenzene
Concen: 20.660 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.0
134	23.9	11.8	35.4

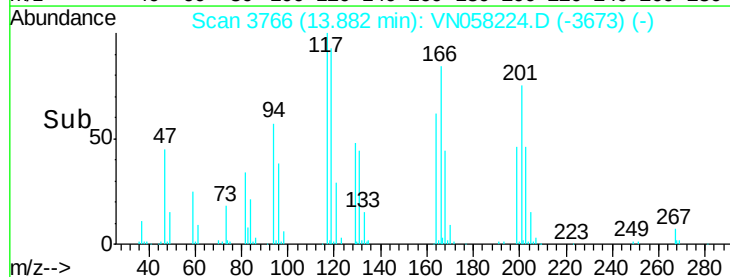
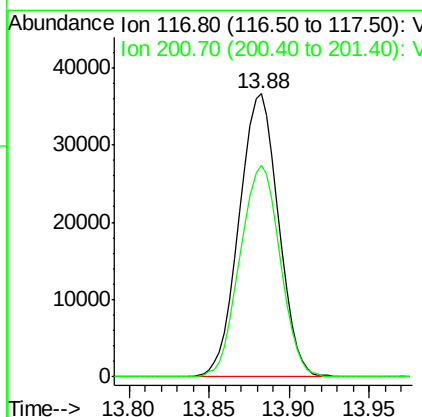
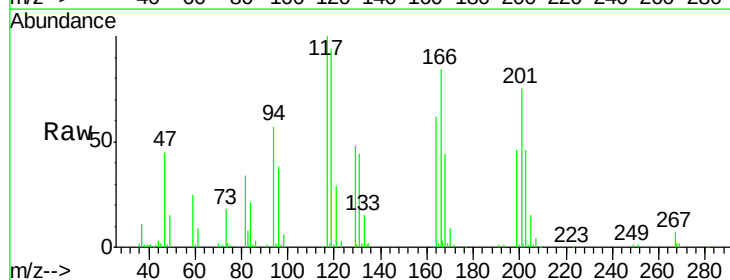
Manual Integrations
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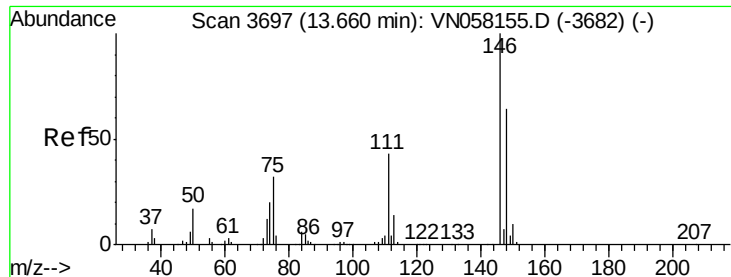
MMDadoda
9/20/2019 3:36:27 PM



#90
Hexachloroethane
Concen: 19.490 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058224.D
Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	37.5	112.5





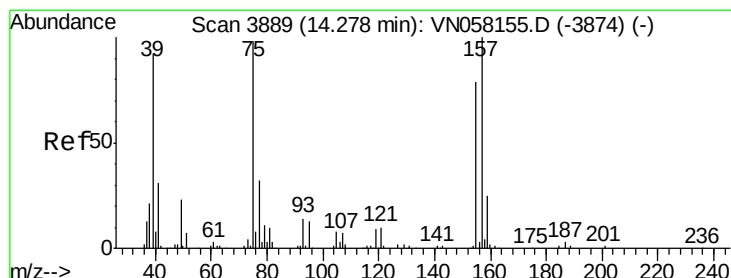
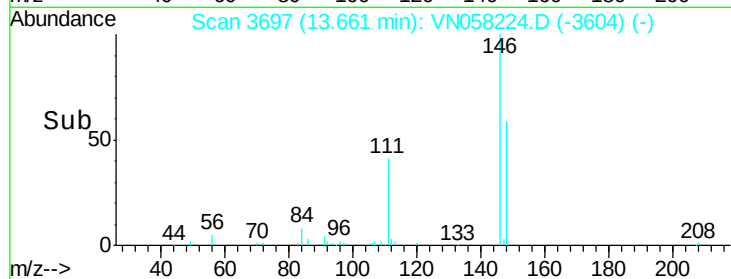
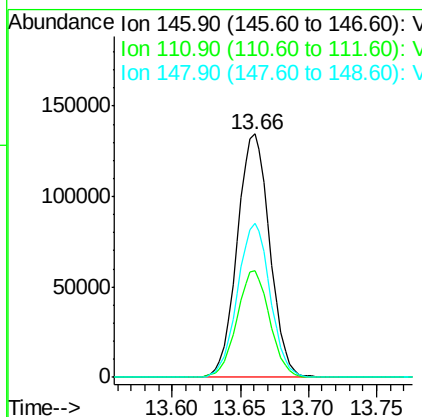
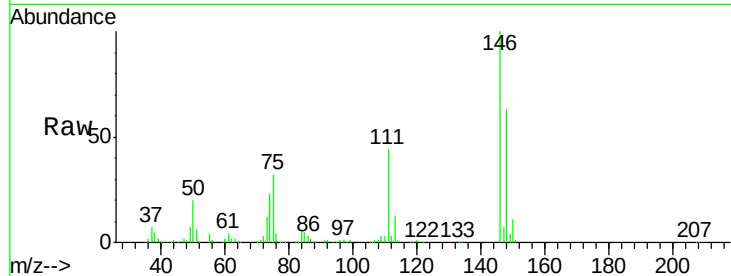
#91
 1,2-Dichlorobenzene
 Concen: 21.378 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.1
148	63.6	31.8	95.4

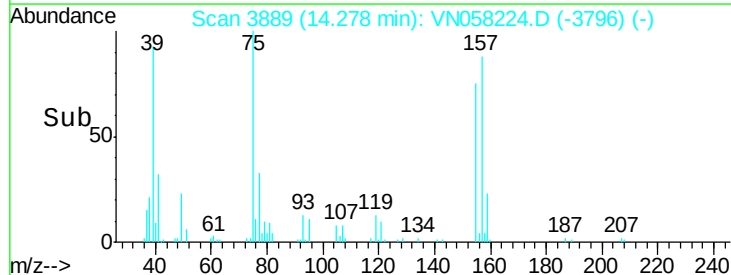
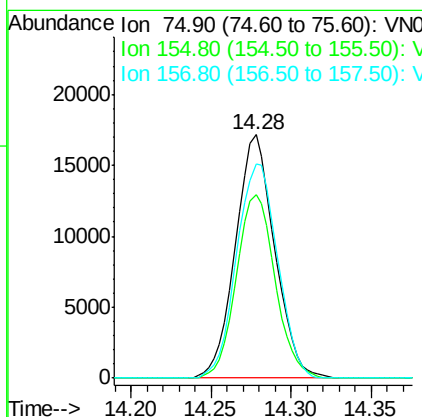
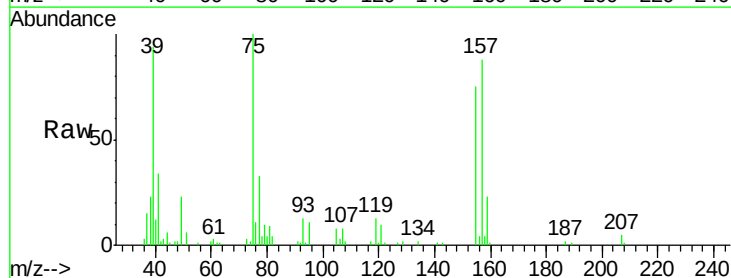
Manual Integrations
 APPROVED

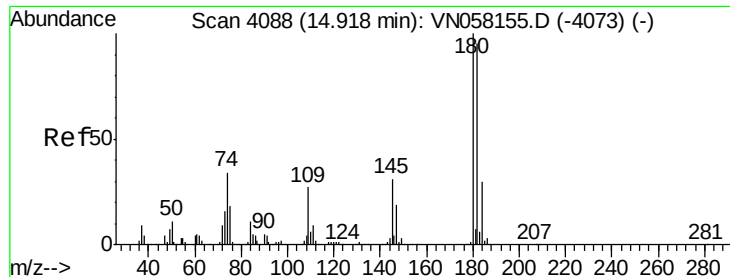
MMDadoda
 9/20/2019 3:36:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.998 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	38.3	114.8
157	91.9	48.0	144.0





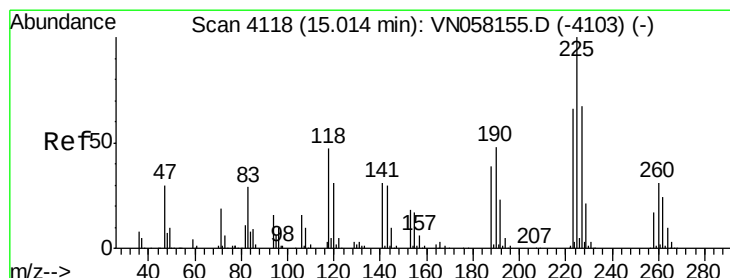
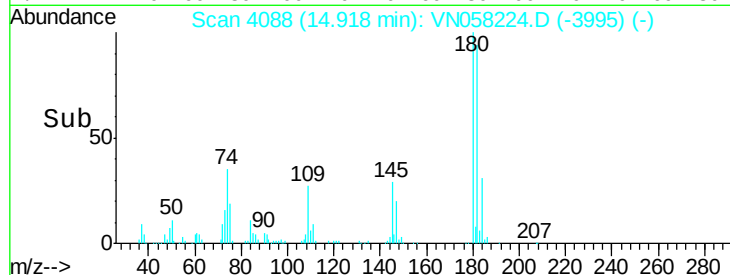
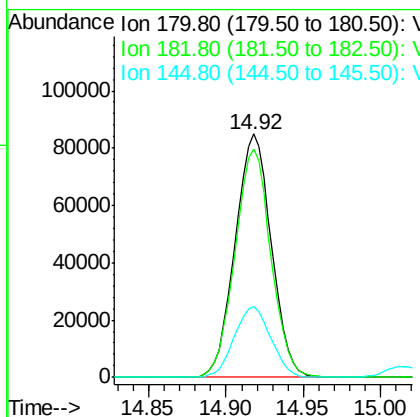
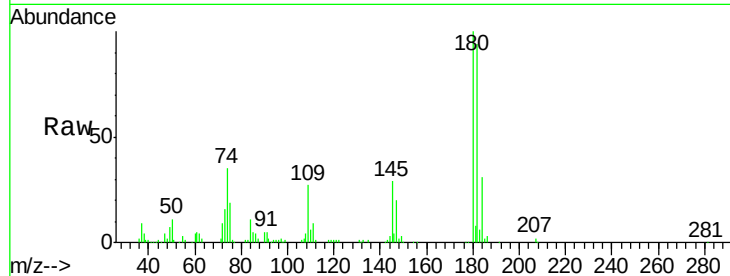
#93
 1,2,4-Trichlorobenzene
 Concen: 20.665 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137565		
182	93.1	47.8	143.3	
145	29.5	15.4	46.4	

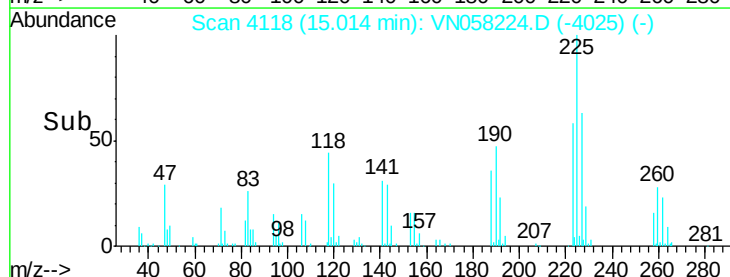
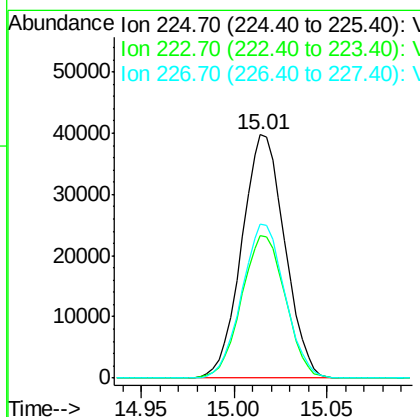
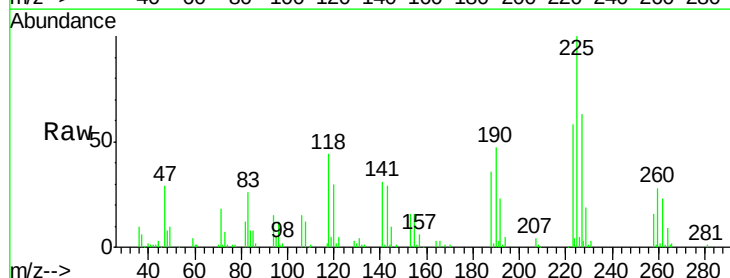
Manual Integrations
 APPROVED

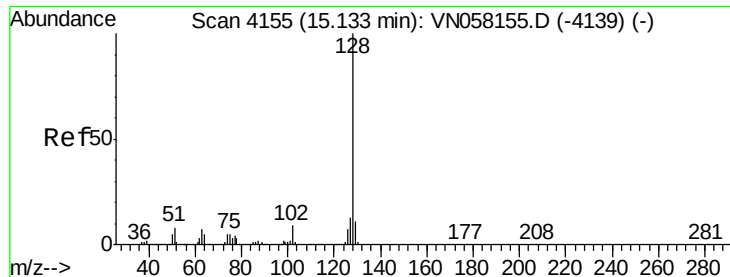
MMDadoda
 9/20/2019 3:36:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.859 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058224.D
 Acq: 19 Sep 2019 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63896		
223	59.4	32.6	97.7	
227	63.1	33.0	99.0	





#95

Naphthalene

Concen: 22.655 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Instrument :

MSVOA_N

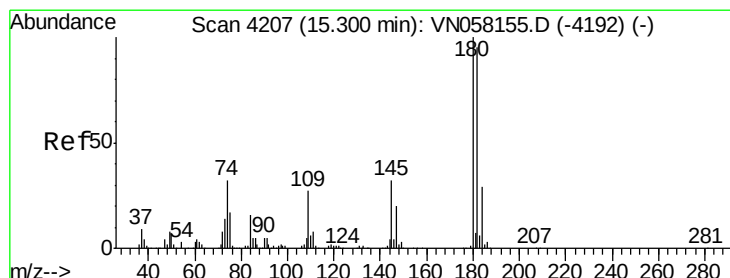
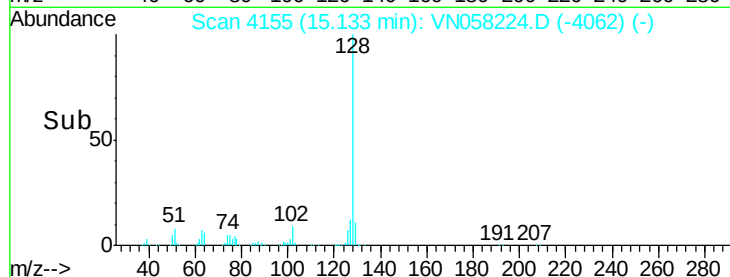
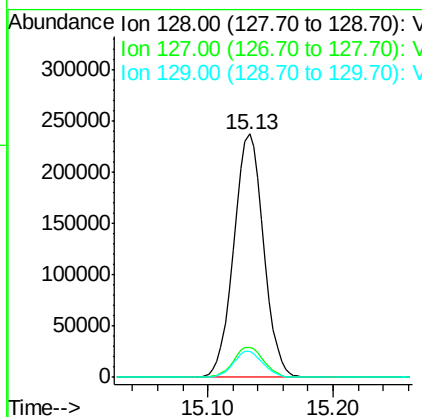
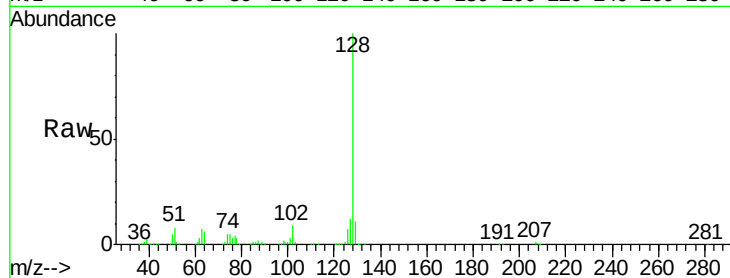
ClientSampleId :

VN0919WBSD02

Tot Ion:	128	Resp:	390838
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 3:36:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.823 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058224.D

Acq: 19 Sep 2019 22:56

Tgt Ion:	180	Resp:	131019
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	31.9	16.1	48.2

