

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057159.D
 Acq On : 9 Aug 2019 20:24
 Operator : JC/SP
 Sample : K4262-07MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:12:08 PM

Quant Time: Aug 10 08:20:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1040965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1561636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1400777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	564376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	533971	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	6.99	113	489123	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	9.56	98	1828134	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.92	95	600061	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	391496	46.793	ug/l	99
3) Chloromethane	2.00	50	484414	43.576	ug/l	99
4) Vinyl Chloride	2.11	62	486047	47.039	ug/l	98
5) Bromomethane	2.43	94	333617	47.518	ug/l	99
6) Chloroethane	2.55	64	329730	49.750	ug/l	97
7) Trichlorofluoromethane	2.83	101	747736	50.344	ug/l	99
8) Diethyl Ether	3.14	74	288387	50.256	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	444754	49.396	ug/l	99
10) Methyl Iodide	3.63	142	678721	49.884	ug/l	100
11) Tert butyl alcohol	4.23	59	325566	213.703	ug/l	98
12) 1,1-Dichloroethene	3.43	96	452931	51.135	ug/l	99
13) Acrolein	3.31	56	183077	189.961	ug/l	99
14) Allyl chloride	3.91	41	644709	50.085	ug/l	98
15) Acrylonitrile	4.45	53	1072456	260.109	ug/l	98
16) Acetone	3.47	43	799646	247.332	ug/l	100
17) Carbon Disulfide	3.72	76	1159410	49.202	ug/l	99
18) Methyl Acetate	3.89	43	452075	46.890	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1401353	52.405	ug/l	99
20) Methylene Chloride	4.10	84	522588	48.977	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	481480	49.900	ug/l	99
22) Diisopropyl ether	5.32	45	1424757	50.744	ug/l	97
23) Vinyl Acetate	5.26	43	5178644	240.859	ug/l	100
24) 1,1-Dichloroethane	5.25	63	882041	51.102	ug/l	98
25) 2-Butanone	6.20	43	1279870	259.100	ug/l	98
26) 2,2-Dichloropropane	6.21	77	588349	46.853	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	567945	51.380	ug/l	99
28) Bromochloromethane	6.59	49	423611	53.357	ug/l	99
29) Tetrahydrofuran	6.60	42	853822	256.590	ug/l	98
30) Chloroform	6.76	83	903262	50.562	ug/l	98
31) Cyclohexane	7.07	56	736991	47.460	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	785687	52.428	ug/l	99
36) 1,1-Dichloropropene	7.20	75	662597	51.533	ug/l	99
37) Ethyl Acetate	6.28	43	505224	47.666	ug/l #	100
38) Carbon Tetrachloride	7.19	117	699294	52.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	753623	48.198	ug/l	96
40) Benzene	7.46	78	2022339	49.684	ug/l	99
41) Methacrylonitrile	6.55	41	277809	51.599	ug/l	98
42) 1,2-Dichloroethane	7.54	62	656713	50.588	ug/l	99
43) Isopropyl Acetate	7.56	43	885181	48.938	ug/l	98
44) Trichloroethene	8.27	130	571171	50.087	ug/l	100
45) 1,2-Dichloropropane	8.56	63	533479	50.618	ug/l	99
46) Dibromomethane	8.65	93	347997	51.496	ug/l	99
47) Bromodichloromethane	8.85	83	702441	53.721	ug/l	99
48) Methyl methacrylate	8.64	41	425998	49.946	ug/l	97
49) 1,4-Dioxane	8.64	88	172876	995.187	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	2696967	256.196	ug/l	100
52) Toluene	9.63	92	1291351	51.110	ug/l	100
53) t-1,3-Dichloropropene	9.86	75	718270	52.582	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	806063	51.425	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	502315	50.557	ug/l	99
56) Ethyl methacrylate	9.90	69	730745	52.529	ug/l	99
57) 1,3-Dichloropropane	10.19	76	832586	50.815	ug/l	100
59) 2-Hexanone	10.24	43	1881032	264.021	ug/l	99
60) Dibromochloromethane	10.39	129	568121	54.445	ug/l	99
61) 1,2-Dibromoethane	10.50	107	525357	51.241	ug/l	100
64) Tetrachloroethene	10.11	164	569947	48.925	ug/l	96
65) Chlorobenzene	10.93	112	1390853	49.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	543888	51.616	ug/l	99
67) Ethyl Benzene	11.01	91	2457688	50.665	ug/l	100
68) m/p-Xylenes	11.13	106	1823954	102.063	ug/l	98
69) o-Xylene	11.46	106	908823	51.098	ug/l	97
70) Styrene	11.47	104	1306920	47.045	ug/l	98
71) Bromoform	11.64	173	433882	56.212	ug/l #	99
73) Isopropylbenzene	11.77	105	2431351	53.054	ug/l	98
74) N-amyl acetate	11.58	43	645127	45.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	689794	56.604	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	560099m	50.902	ug/l	
77) Bromobenzene	12.05	156	636159	46.896	ug/l	99
78) n-propylbenzene	12.11	91	2515012	46.451	ug/l	100
79) 2-Chlorotoluene	12.20	91	1550675	51.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2014974	46.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	191199	49.812	ug/l	97
82) 4-Chlorotoluene	12.30	91	1478671	47.167	ug/l	99
83) tert-Butylbenzene	12.52	119	1804720	52.654	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1915671	45.487	ug/l	99
85) sec-Butylbenzene	12.70	105	2228835	45.328	ug/l	99
86) p-Isopropyltoluene	12.82	119	1970967	45.681	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	955348	49.468	ug/l	100
88) 1,4-Dichlorobenzene	12.90	146	903390	49.370	ug/l	99
89) n-Butylbenzene	13.15	91	1416245	47.510	ug/l	98
90) Hexachloroethane	13.41	117	371256	54.211	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	960399	49.799	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	96762	48.773	ug/l	98
93) 1,2,4-Trichlorobenzene	14.45	180	360580	44.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.55	225	358477	53.528	ug/l	98
95) Naphthalene	14.67	128	676466	42.783	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	345051	41.843	ug/l	99

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

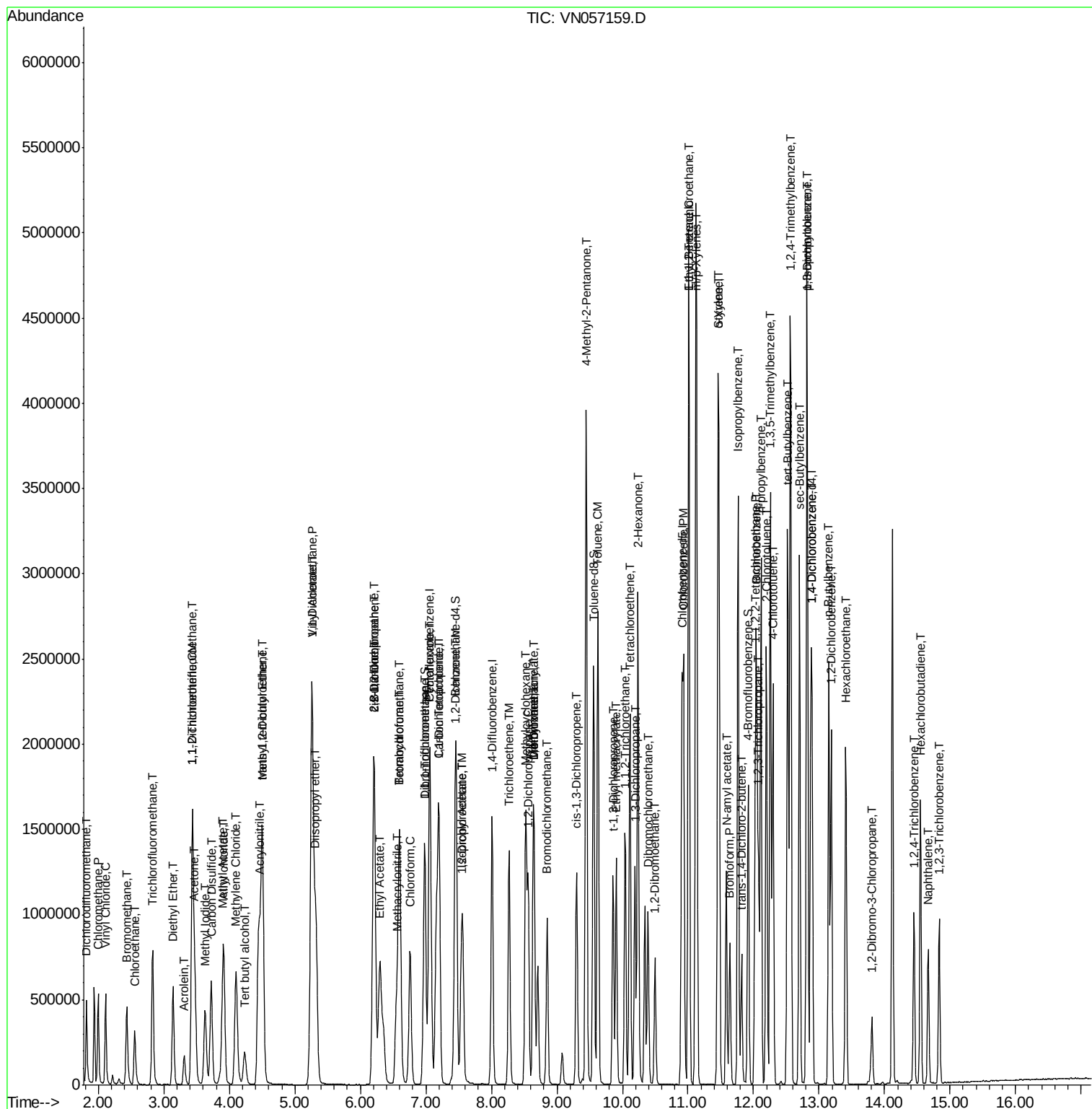
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080919\
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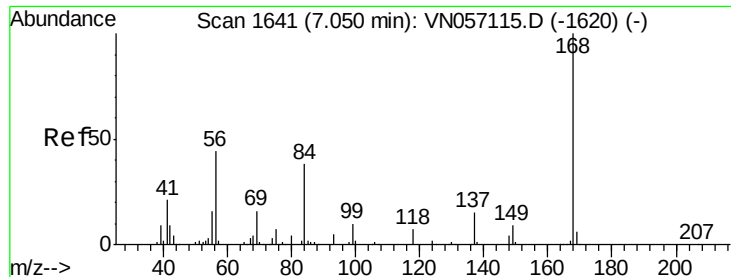
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion:168 Resp: 1040965

Ion Ratio Lower Upper

168 100

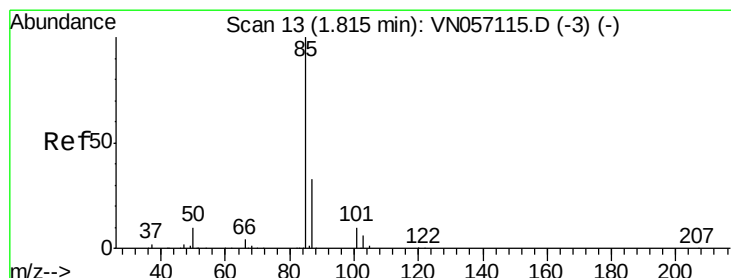
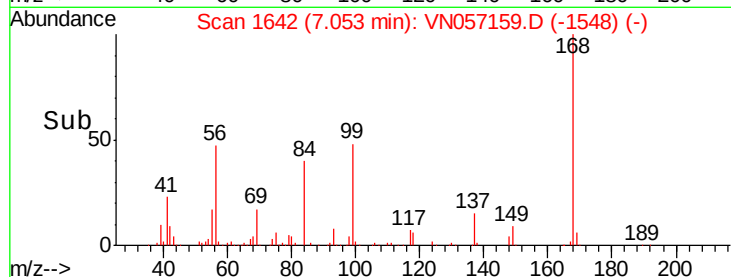
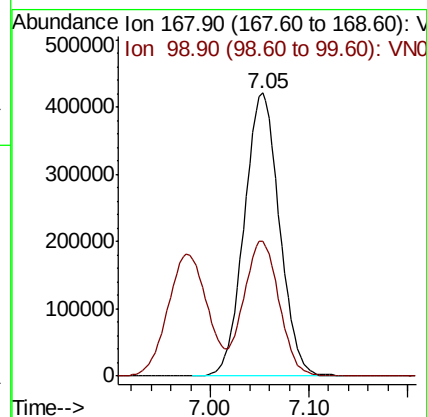
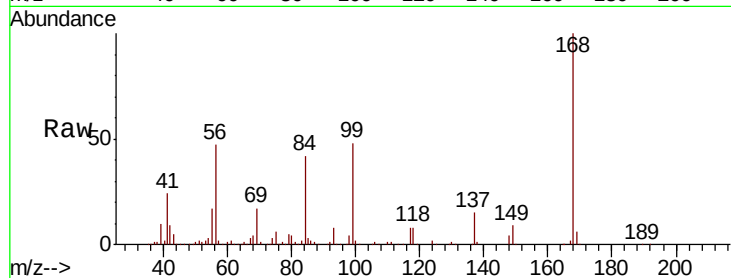
99 47.5 38.6 57.8

Manual Integrations

APPROVED

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#2

Dichlorodifluoromethane

Concen: 46.793 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057159.D

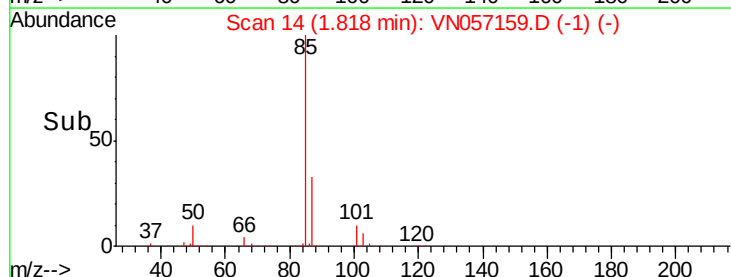
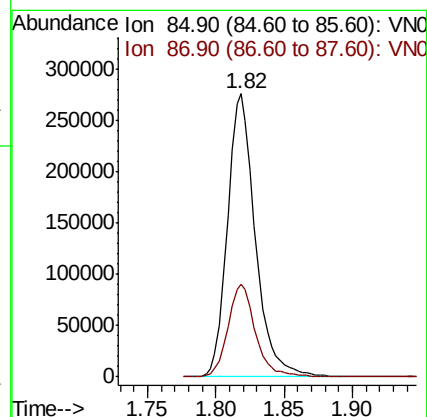
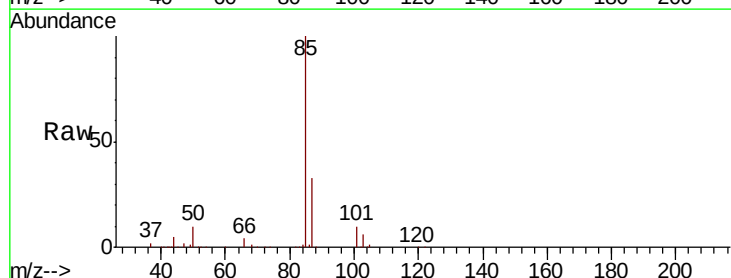
Acq: 9 Aug 2019 20:24

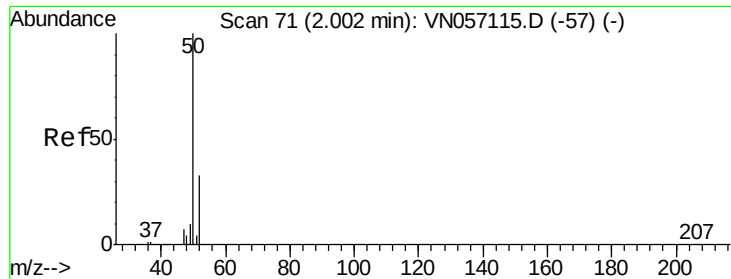
Tgt Ion: 85 Resp: 391496

Ion Ratio Lower Upper

85 100

87 33.0 16.7 50.0





#3

Chloromethane

Concen: 43.576 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 50 Resp: 484414

Ion Ratio Lower Upper

50 100

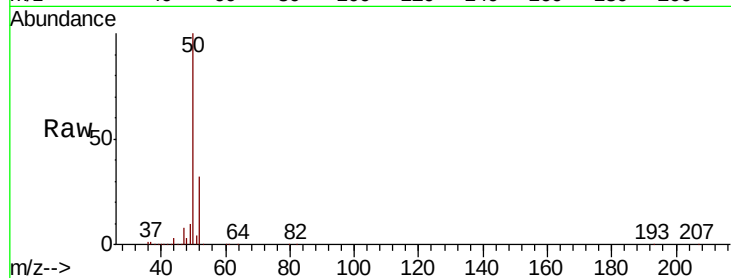
52 32.0 26.1 39.1

Manual Integrations

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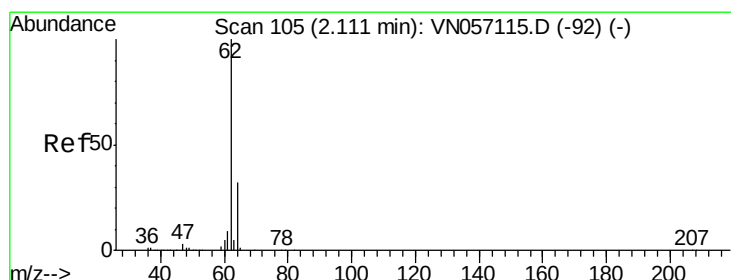
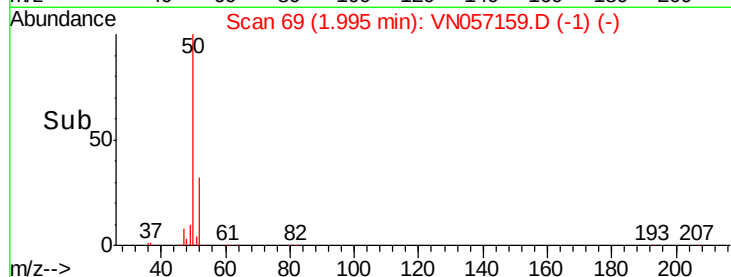
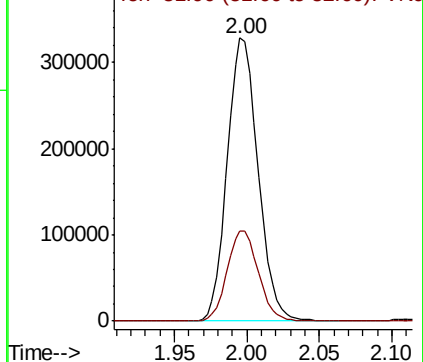
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.039 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057159.D

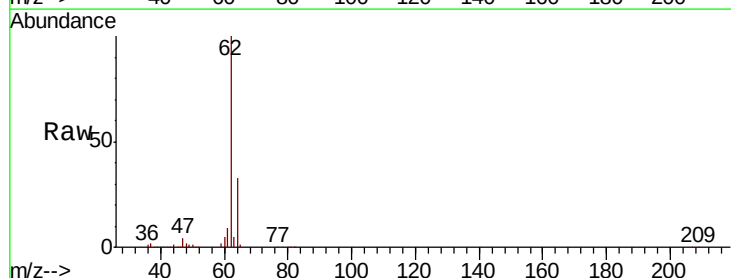
Acq: 9 Aug 2019 20:24

Tgt Ion: 62 Resp: 486047

Ion Ratio Lower Upper

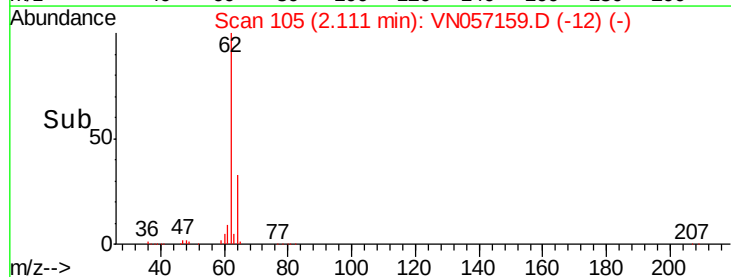
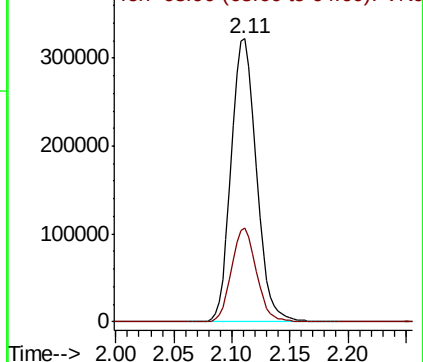
62 100

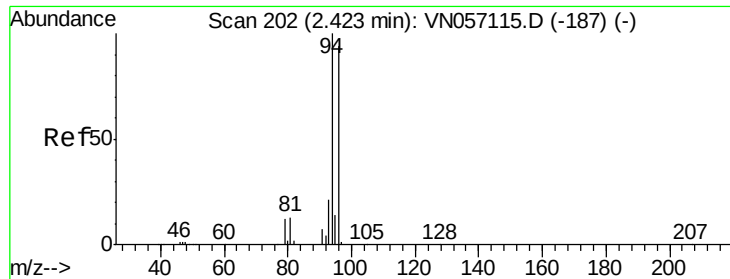
64 33.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.518 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057159.D

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Tot Ion: 94 Resp: 333617

Ion Ratio Lower Upper

94 100

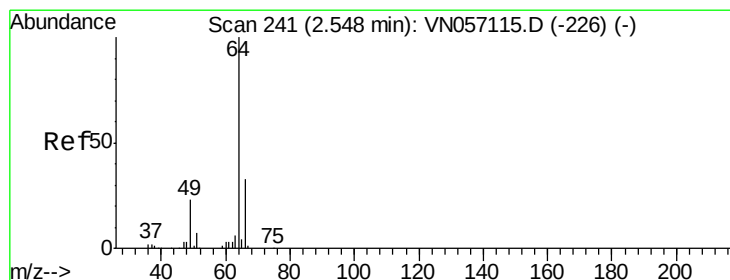
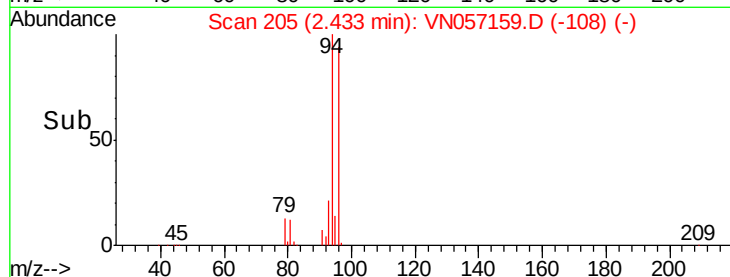
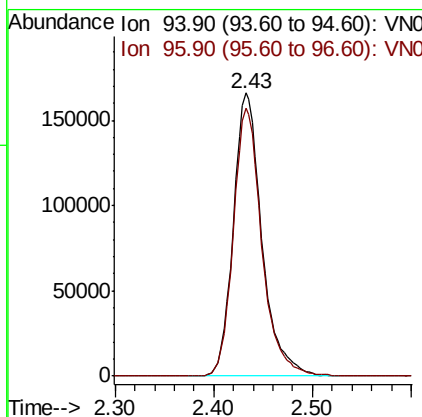
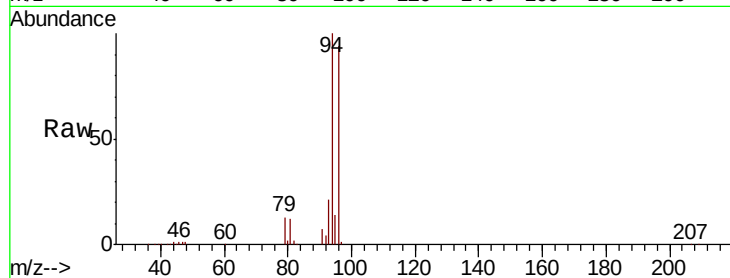
96 94.5 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 49.750 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057159.D

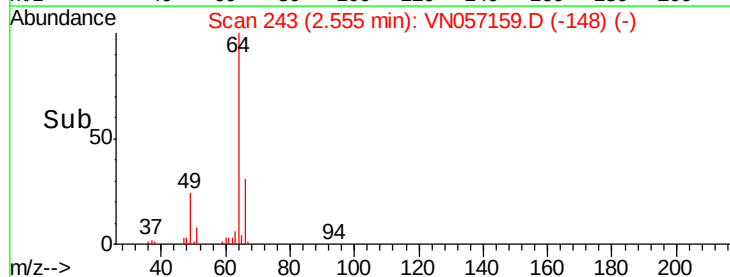
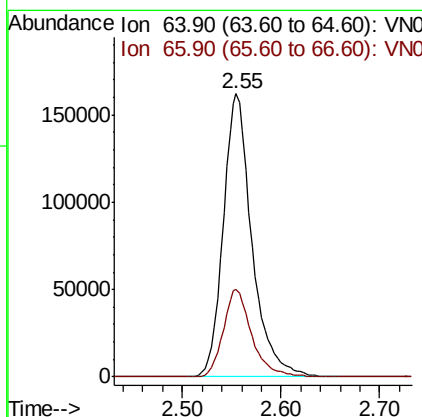
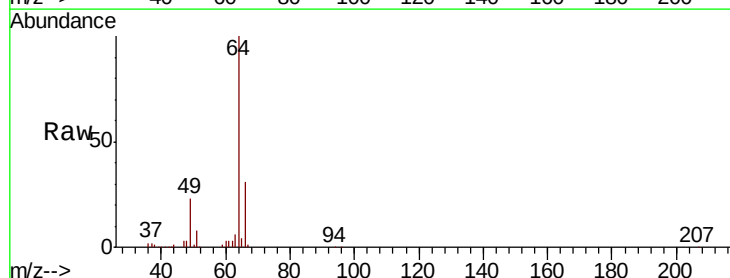
Acq: 9 Aug 2019 20:24

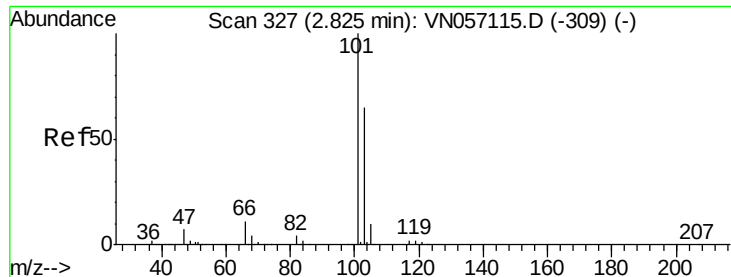
Tgt Ion: 64 Resp: 329730

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.4





#7

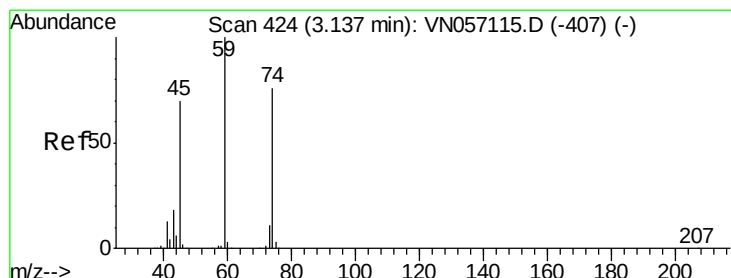
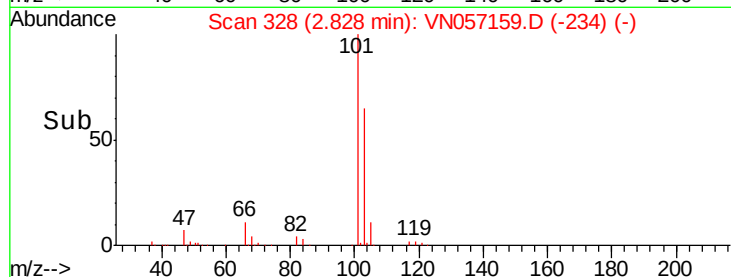
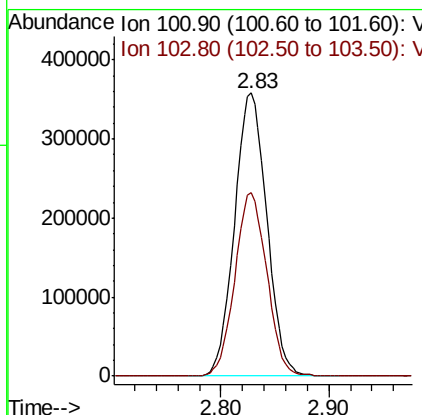
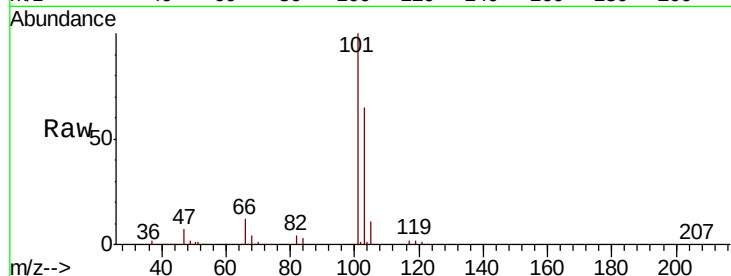
Trichlorofluoromethane
 Concen: 50.344 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057159.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.4

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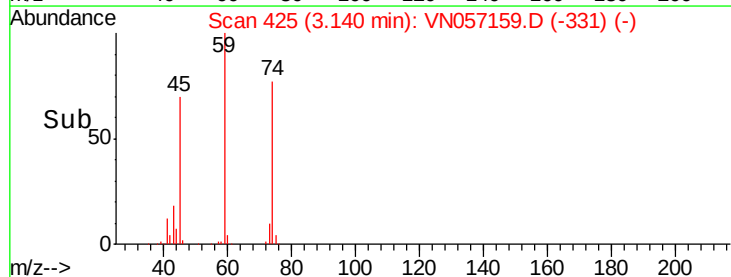
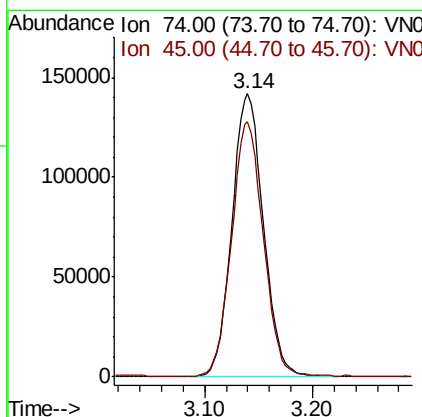
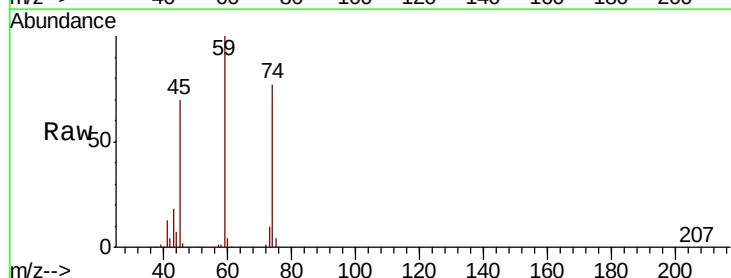
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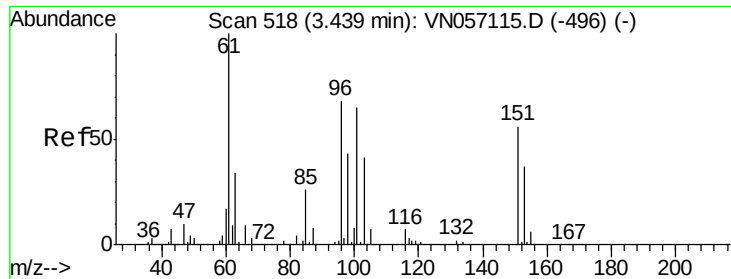


#8

Diethyl Ether
 Concen: 50.256 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057159.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.396 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

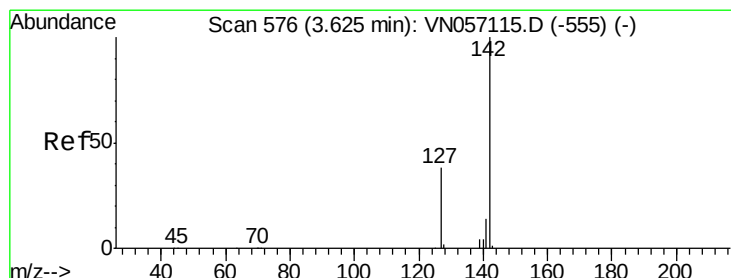
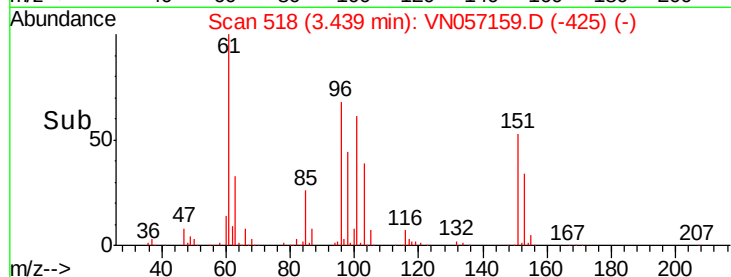
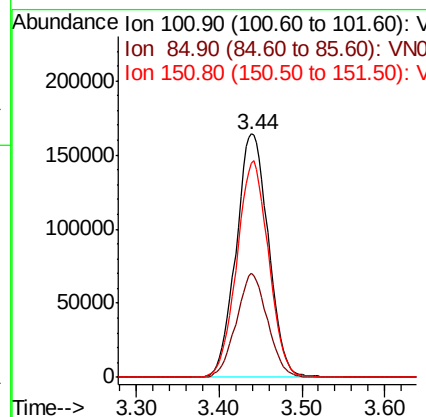
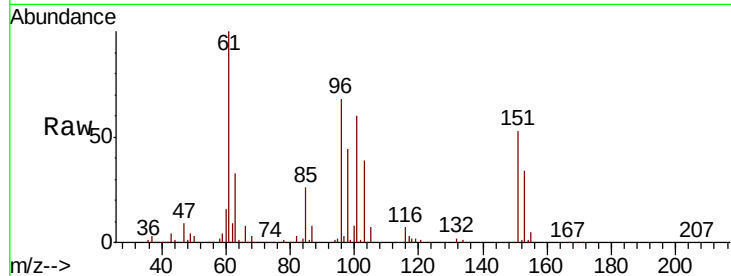
ClientSampleId :

MW-4R_080819MS

Tot Ion:	101	Resp:	444754
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.3	48.5
151	87.3	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.884 ug/l

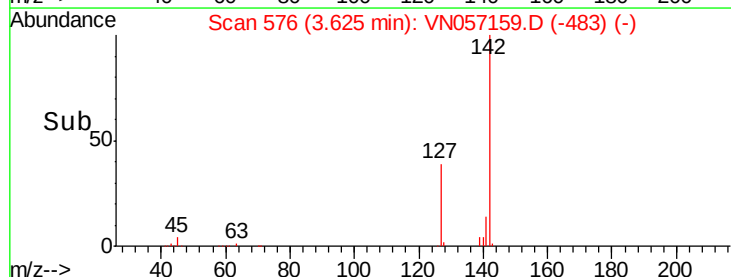
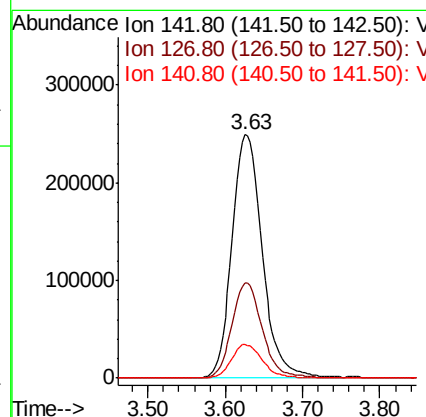
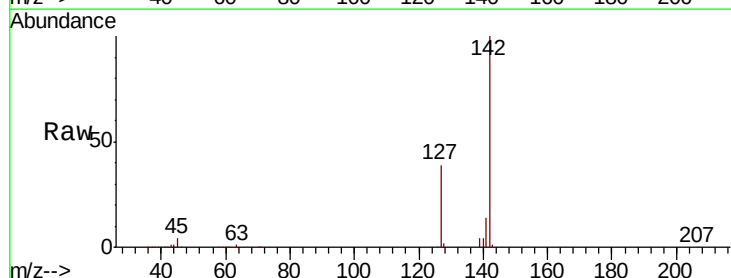
RT: 3.63 min Scan# 576

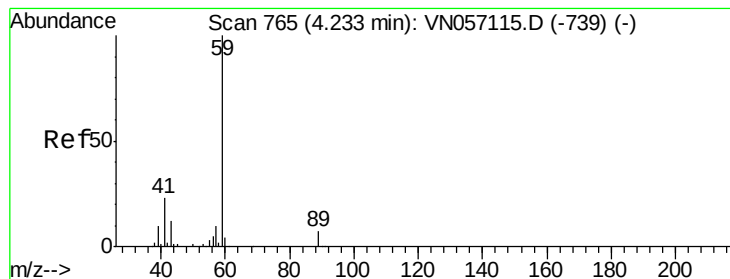
Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	142	Resp:	678721
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.0	46.6
141	14.0	11.2	16.8





#11

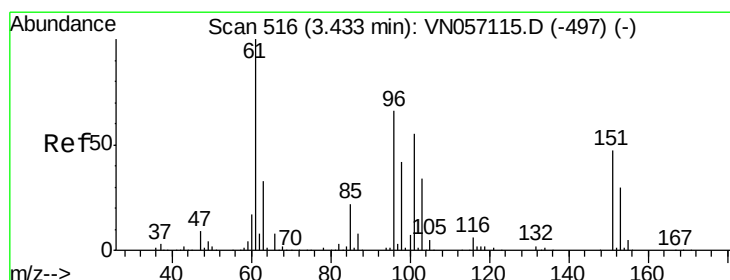
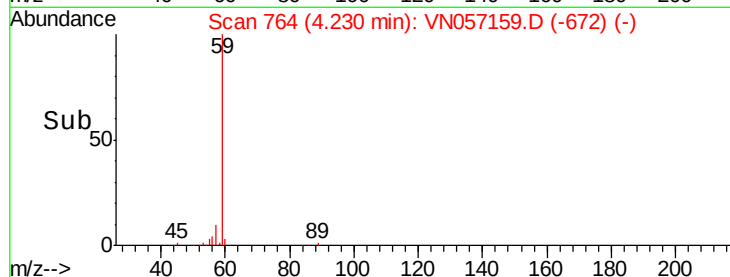
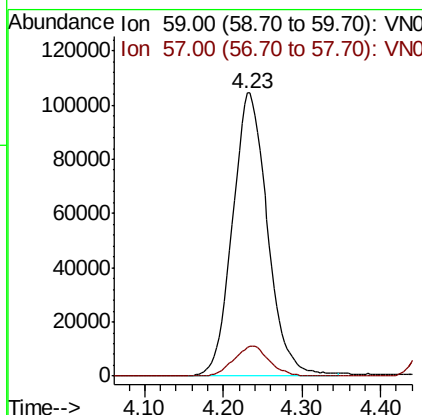
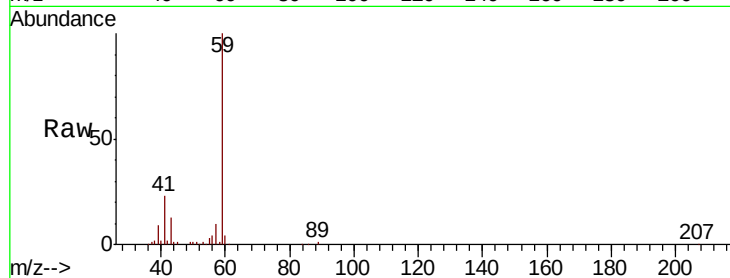
Tert butyl alcohol
 Concen: 213.703 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	59.00	Resp	325566
Ion	Ratio	Lower	Upper
59	100		
57	10.8	7.9	11.9

Manual Integrations
 APPROVED

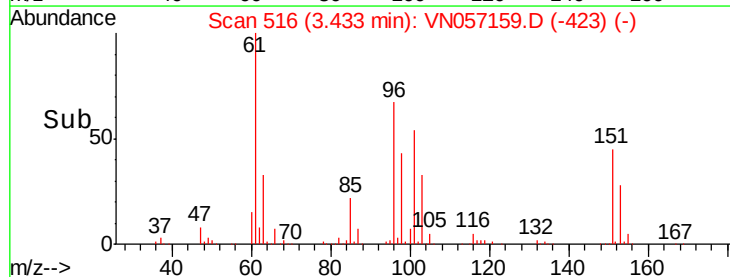
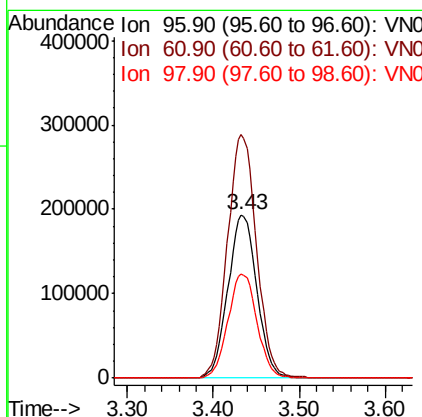
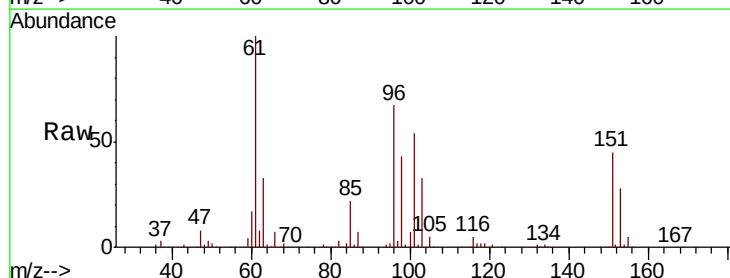
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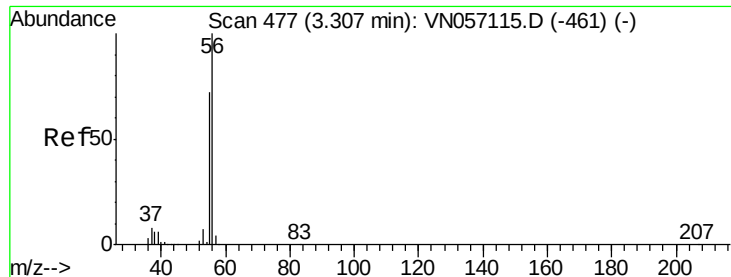


#12

1,1-Dichloroethene
 Concen: 51.135 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	96.00	Resp	452931
Ion	Ratio	Lower	Upper
96	100		
61	149.0	121.0	181.6
98	63.4	50.8	76.2





#13

Acrolein

Concen: 189.961 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 56 Resp: 183077

Ion Ratio Lower Upper

56 100

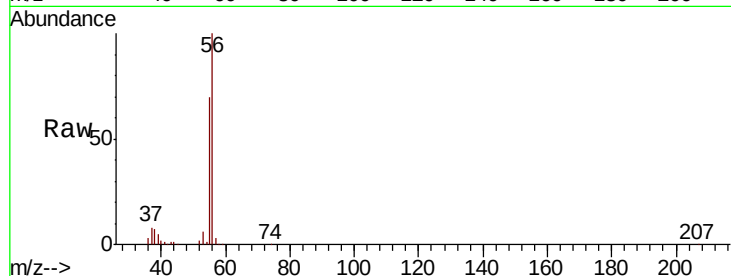
55 71.1 57.7 86.5

Manual Integrations

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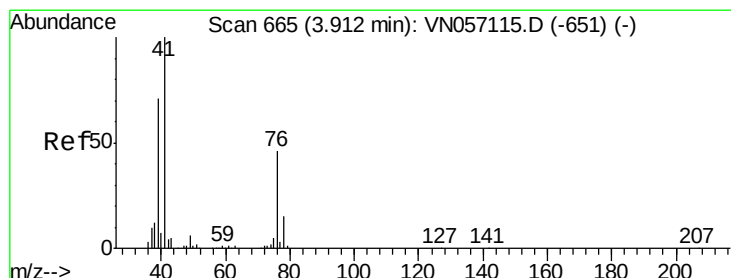
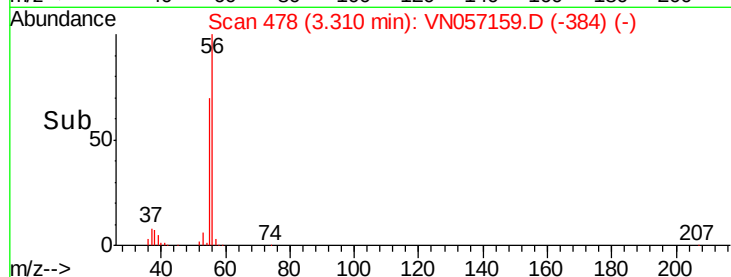
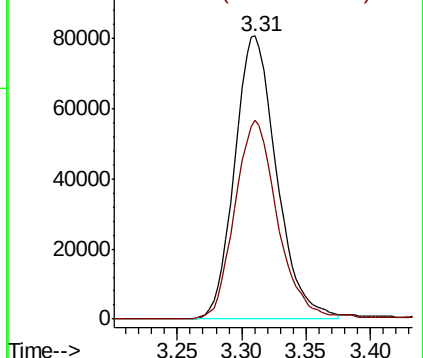
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.085 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

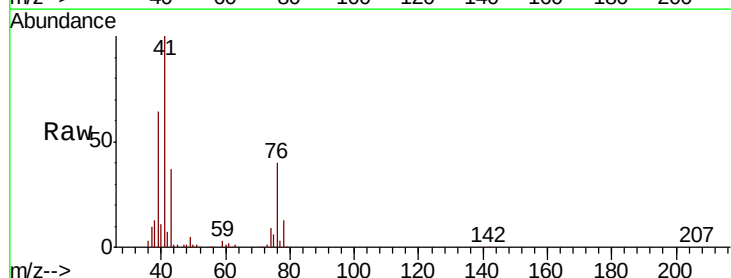
Tgt Ion: 41 Resp: 644709

Ion Ratio Lower Upper

41 100

39 65.5 51.1 76.7

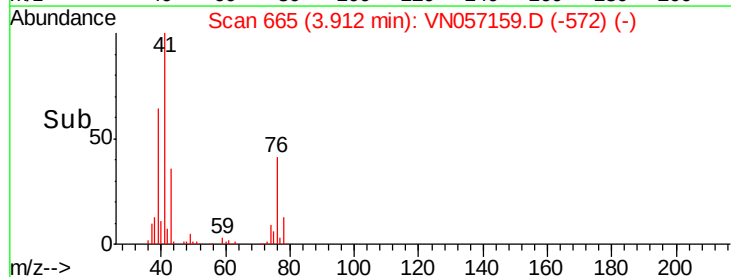
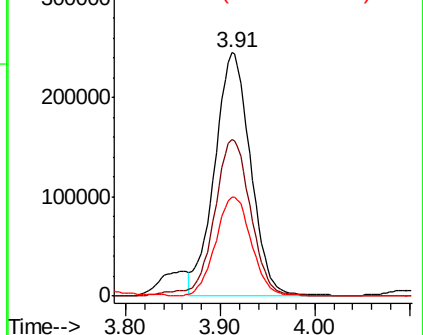
76 40.5 32.8 49.2

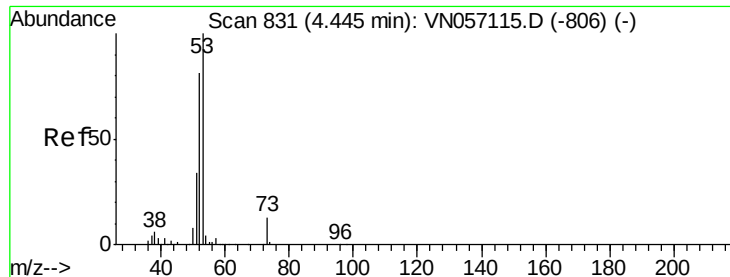


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 260.109 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 53 Resp: 1072456

Ion Ratio Lower Upper

53 100

52 82.9 64.9 97.3

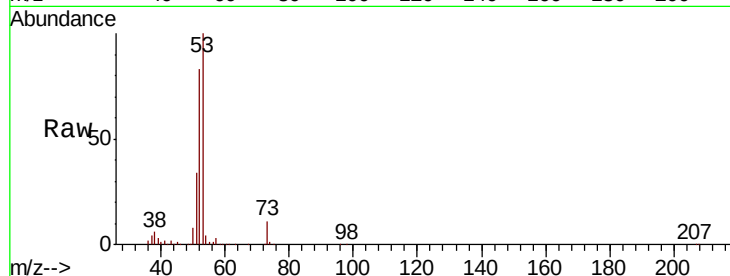
51 35.3 27.8 41.6

Manual Integrations

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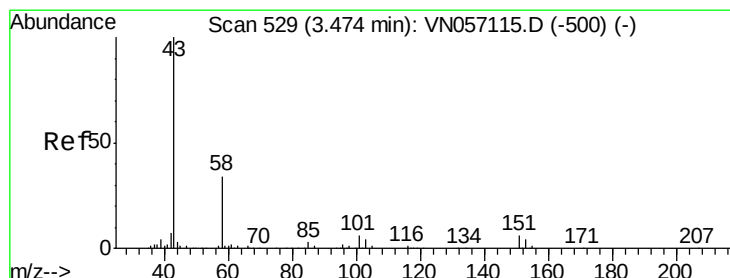
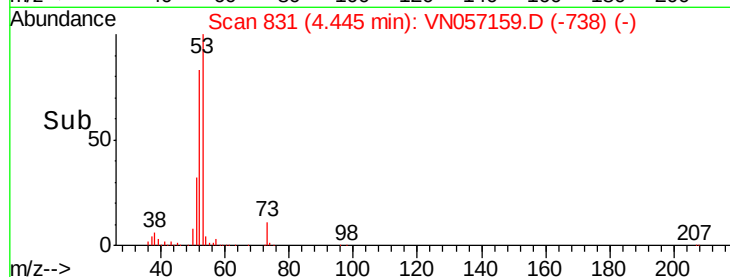
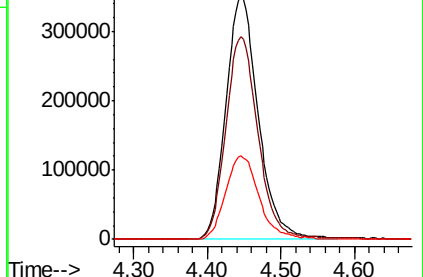
8/12/2019 3:12:08 PM



Abundance Ion 53.00 (52.70 to 53.70): VN057115.D (-806) (-)

Ion 52.00 (51.70 to 52.70): VN057115.D (-806) (-)

Ion 51.00 (50.70 to 51.70): VN057115.D (-806) (-)



#16

Acetone

Concen: 247.332 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057159.D

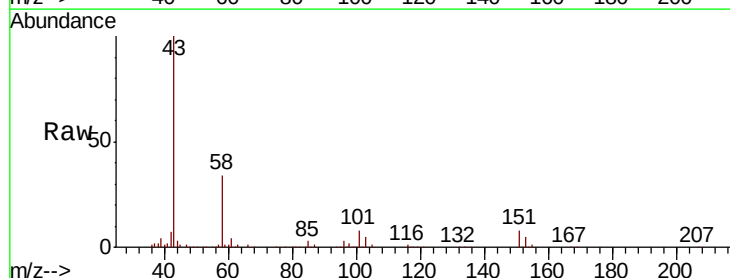
Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 799646

Ion Ratio Lower Upper

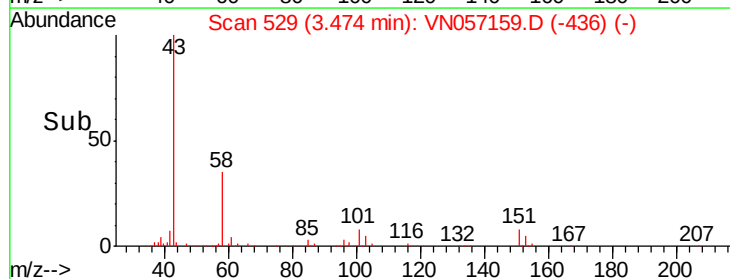
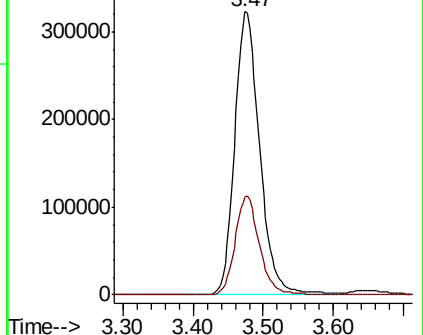
43 100

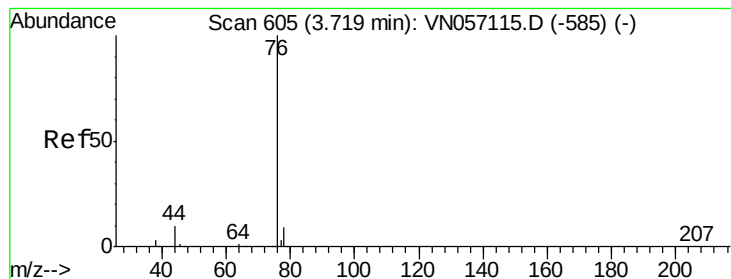
58 34.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-500) (-)

Ion 58.00 (57.70 to 58.70): VN057115.D (-500) (-)





#17

Carbon Disulfide

Concen: 49.202 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 76 Resp: 1159410

Ion Ratio Lower Upper

76 100

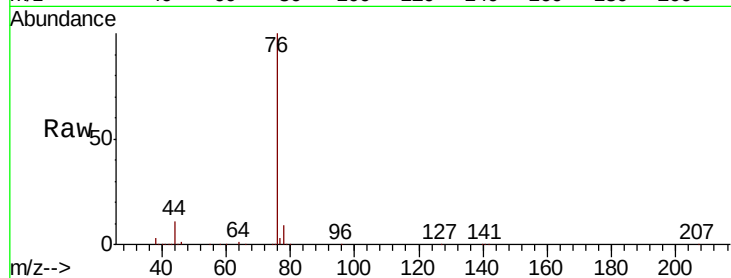
78 9.3 7.0 10.6

Manual Integrations

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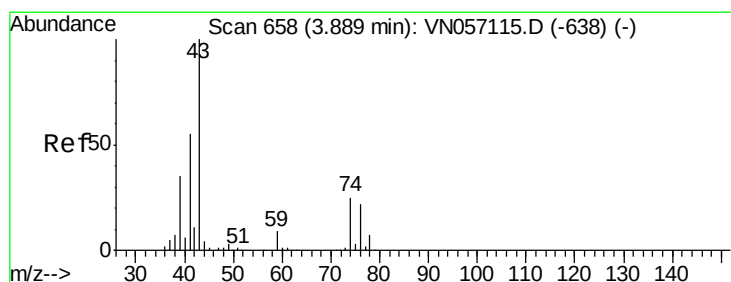
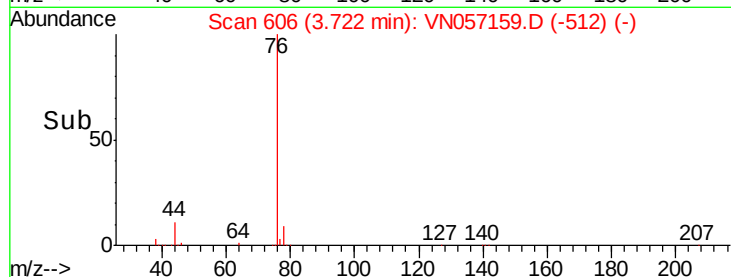
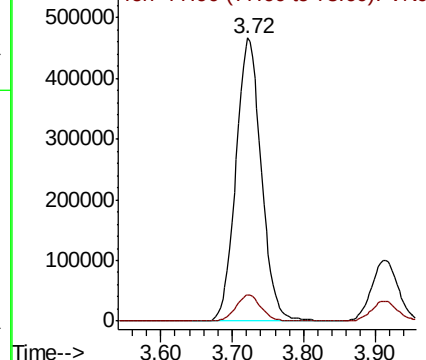
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 46.890 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057159.D

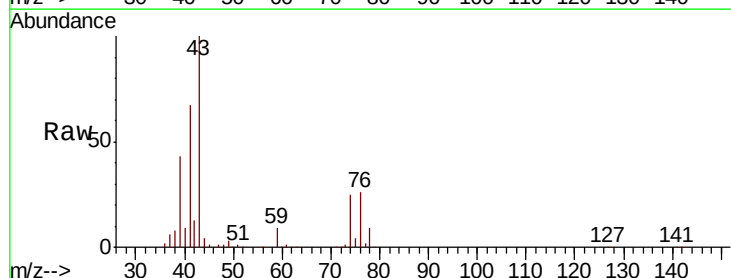
Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 452075

Ion Ratio Lower Upper

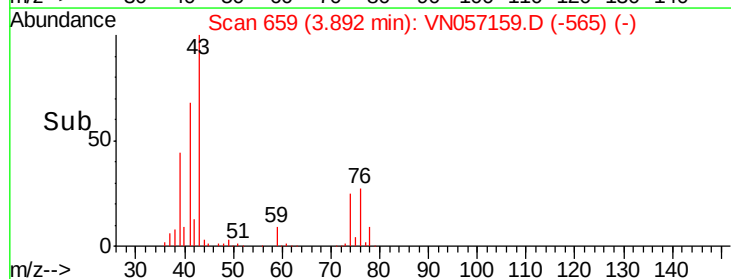
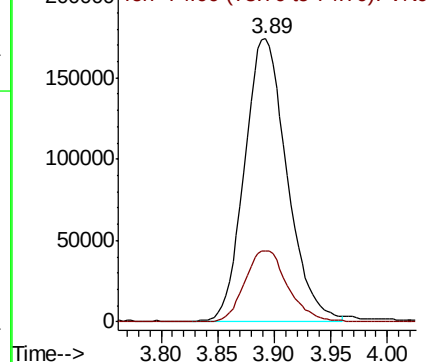
43 100

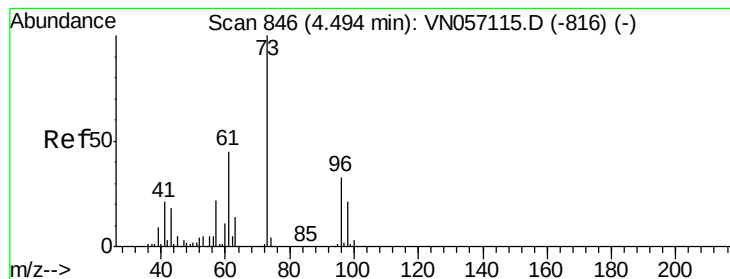
74 25.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

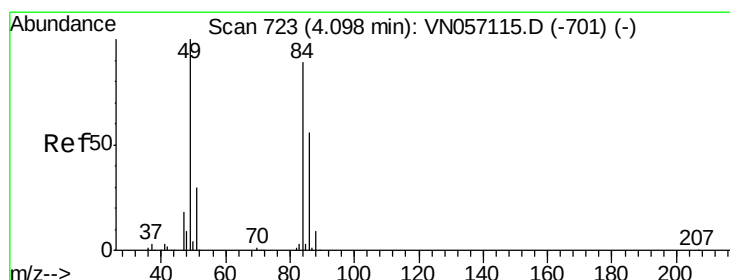
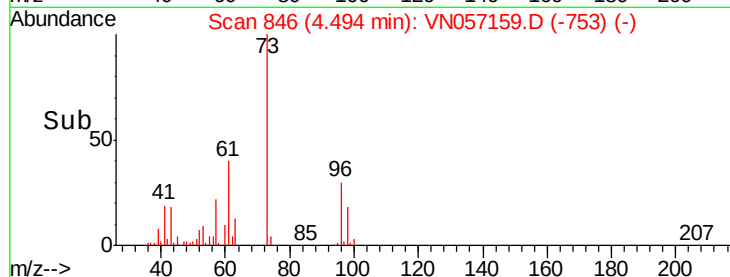
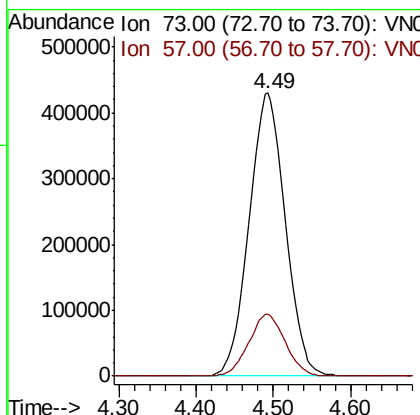
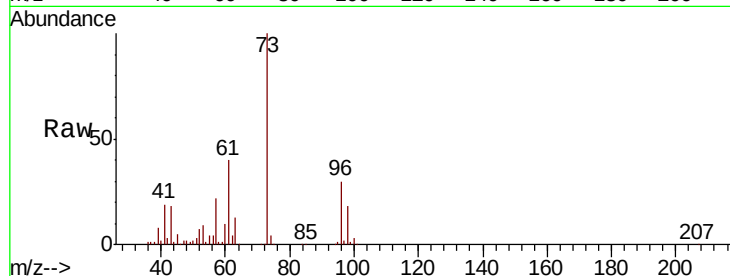
Methvl tert-butvl Ether
 Concen: 52.405 ug/l
 RT: 4.49 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion: 73 Resp: 1401353
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.0 27.0

Manual Integrations
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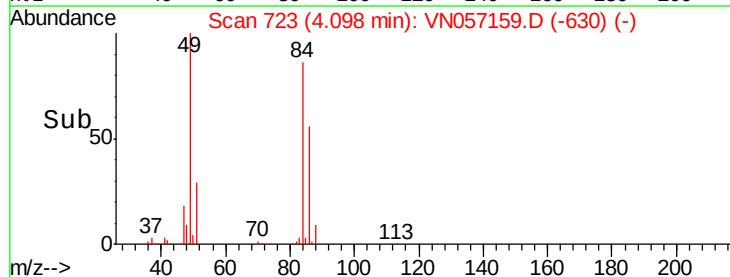
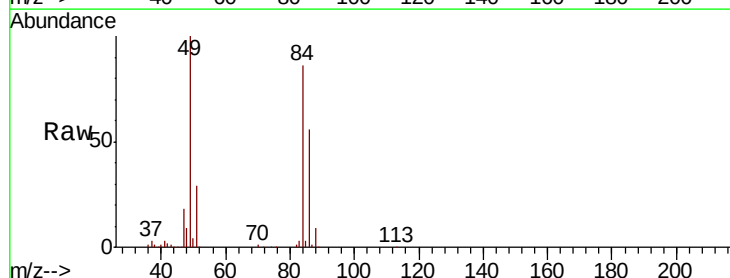
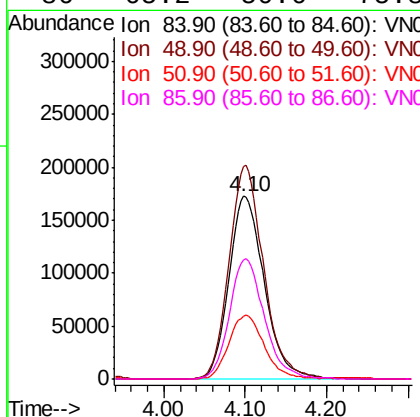
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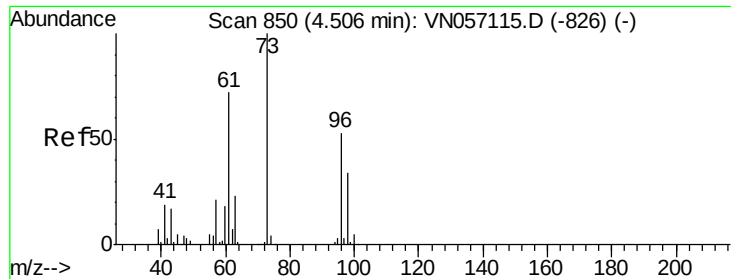


#20

Methylene Chloride
 Concen: 48.977 ug/l
 RT: 4.10 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 84 Resp: 522588
 Ion Ratio Lower Upper
 84 100
 49 116.1 89.5 134.3
 51 34.3 27.2 40.8
 86 65.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.900 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

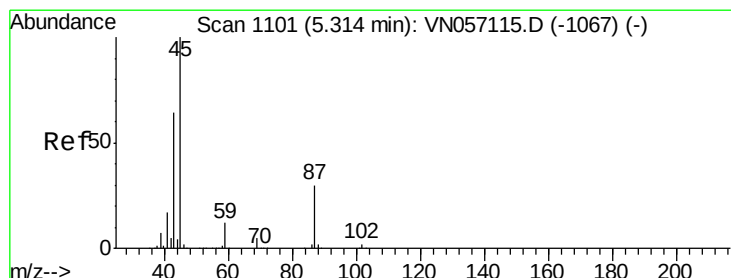
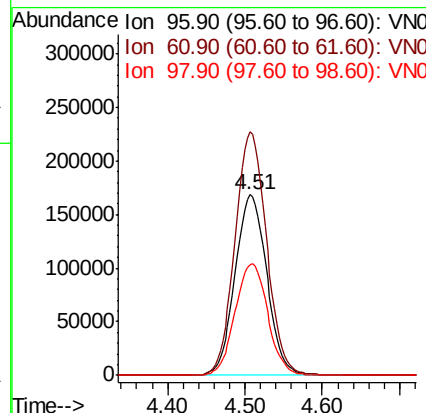
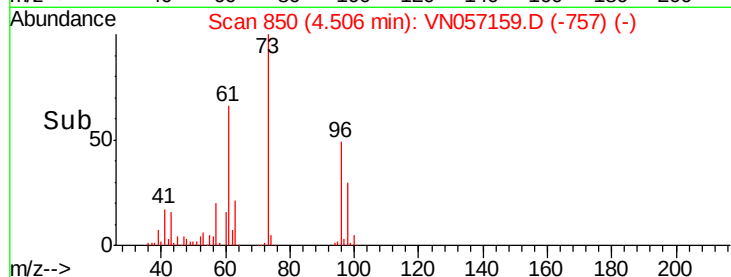
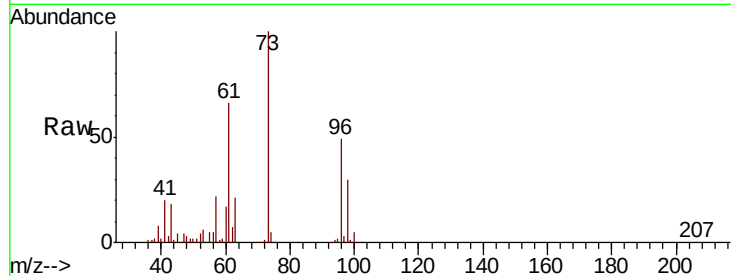
ClientSampleId :

MW-4R_080819MS

Tot Ion:	96	Resp:	481480
Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.1	162.1
98	61.6	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.744 ug/l

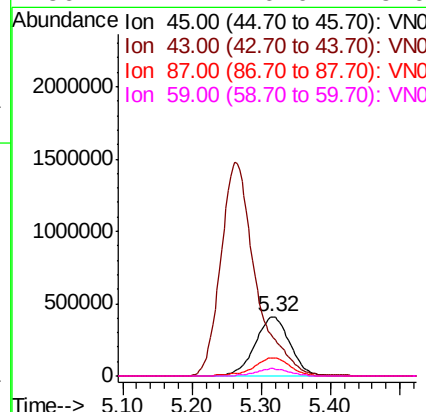
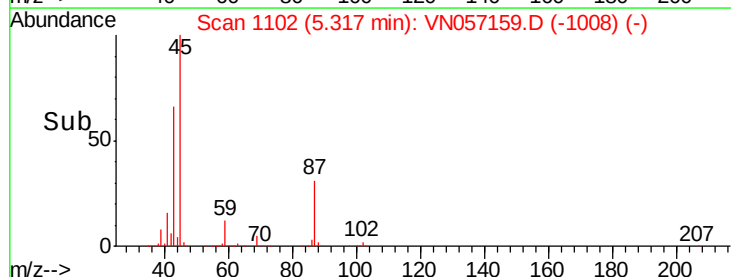
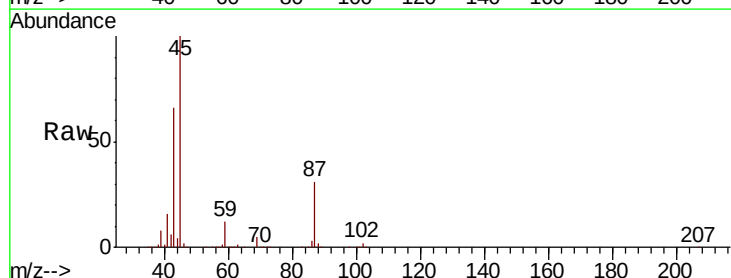
RT: 5.32 min Scan# 1102

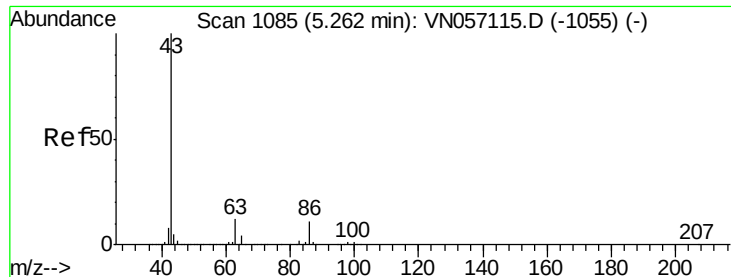
Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	45	Resp:	1424757
Ion	Ratio	Lower	Upper
45	100		
43	64.5	54.1	81.1
87	31.3	24.0	36.0
59	12.1	10.0	15.0





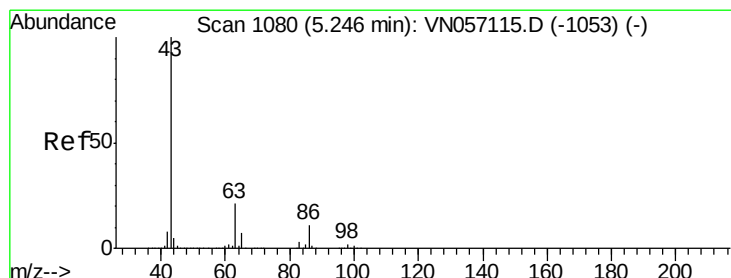
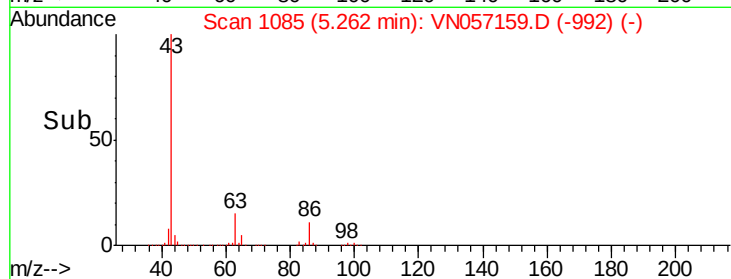
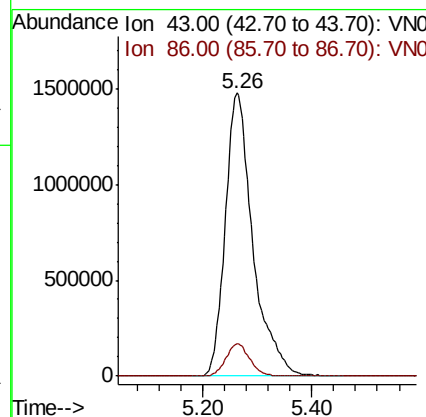
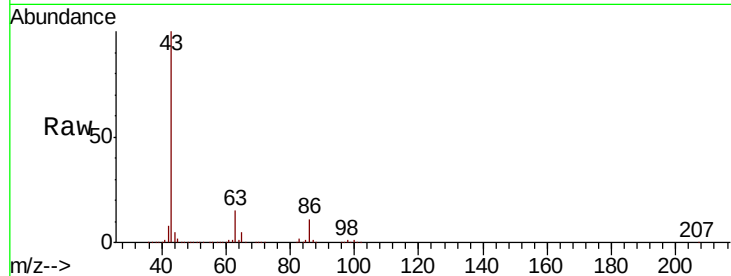
#23
 Vinyl Acetate
 Concen: 240.859 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion: 43 Resp: 5178644
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8

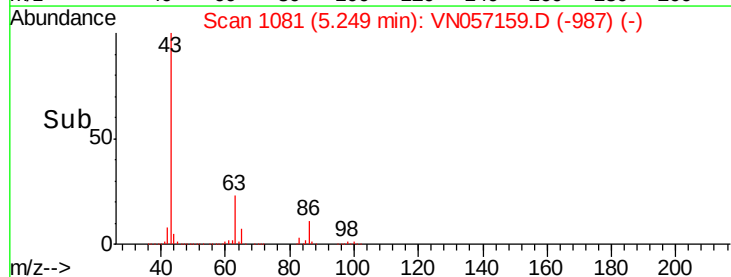
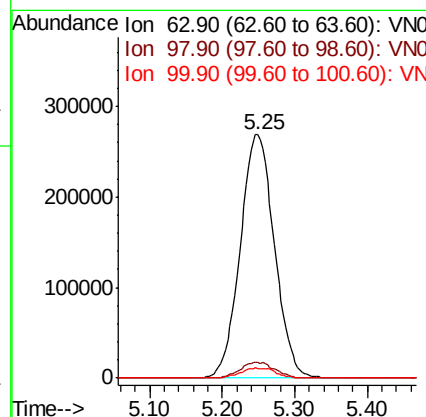
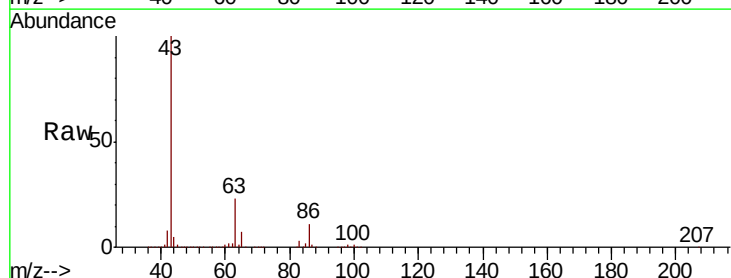
Manual Integrations
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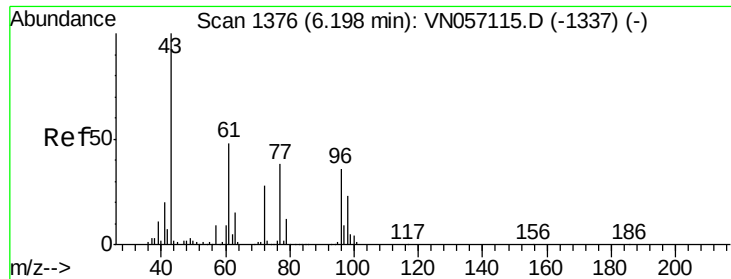
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 51.102 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 63 Resp: 882041
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.8 11.2
 100 4.1 2.1 6.3





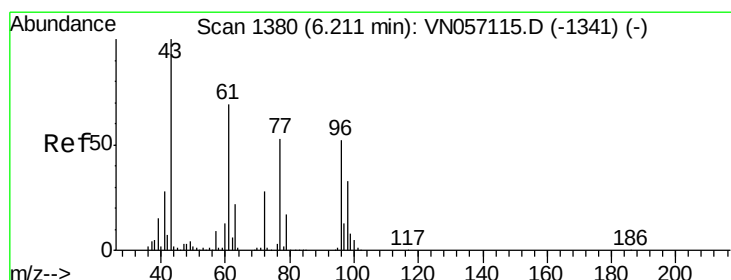
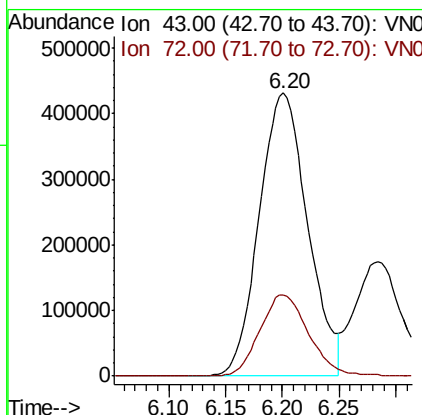
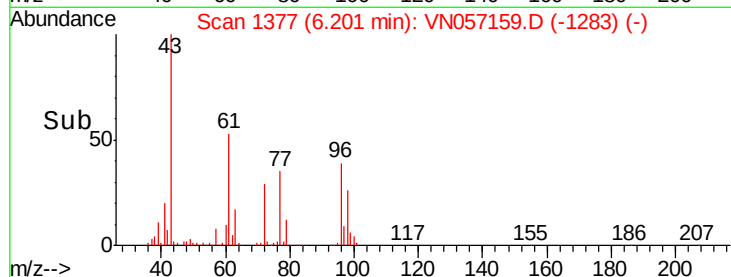
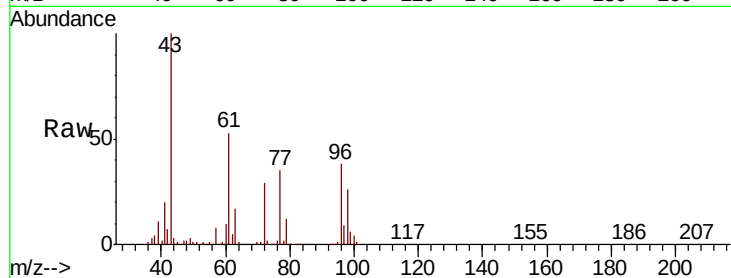
#25
2-Butanone
Concen: 259.100 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion: 43 Resp: 1279870
Ion Ratio Lower Upper
43 100
72 28.9 22.2 33.4

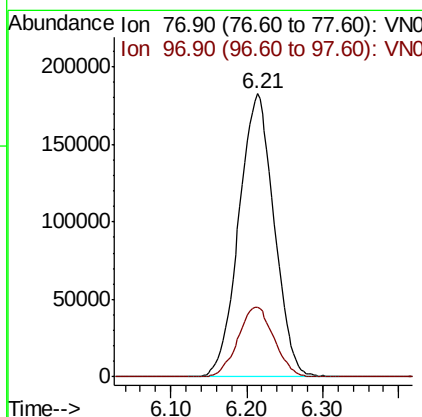
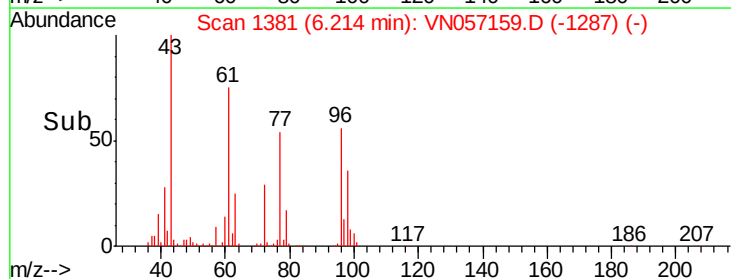
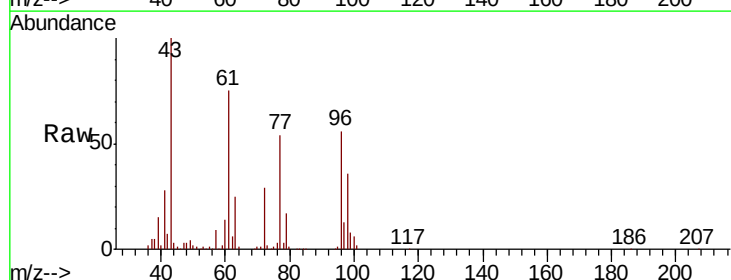
Manual Integrations
APPROVED

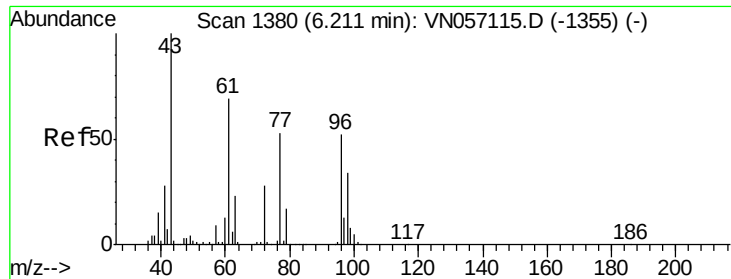
MMDadoda
8/12/2019 3:12:08 PM



#26
2,2-Dichloropropane
Concen: 46.853 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 77 Resp: 588349
Ion Ratio Lower Upper
77 100
97 25.2 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 51.380 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

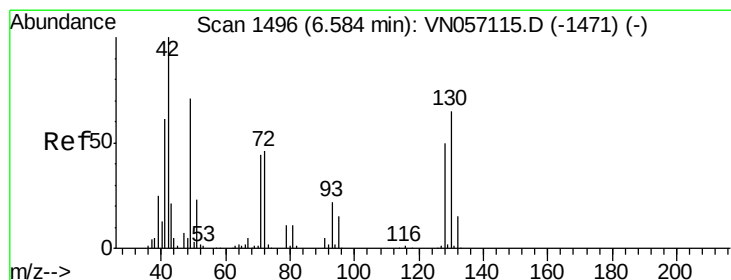
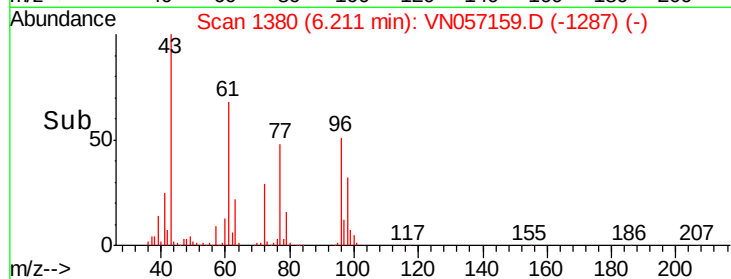
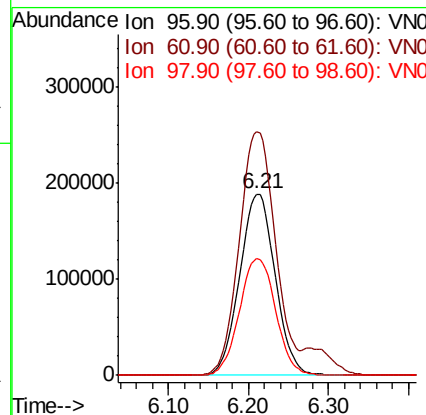
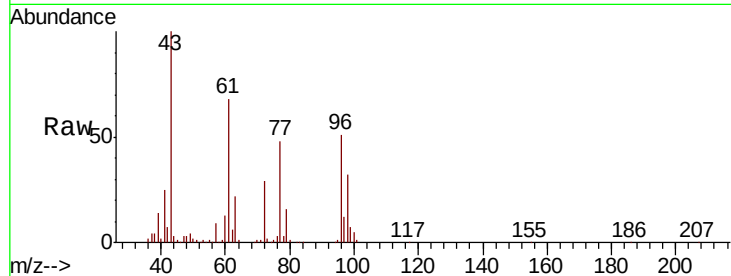
ClientSampleId :

MW-4R_080819MS

Tot Ion:	96	Resp:	567945
Ion Ratio	Lower	Upper	
96	100		
61	137.2	0.0	273.4
98	65.7	0.0	130.4

Manual Integrations
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#28

Bromochloromethane

Concen: 53.357 ug/l

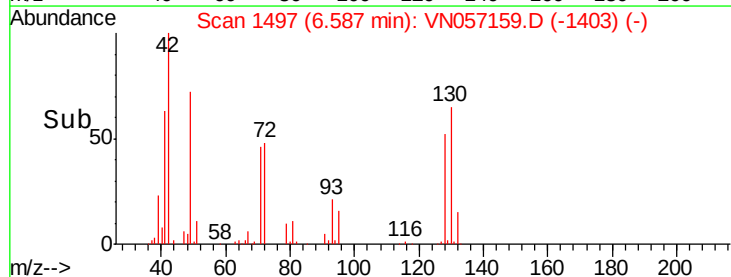
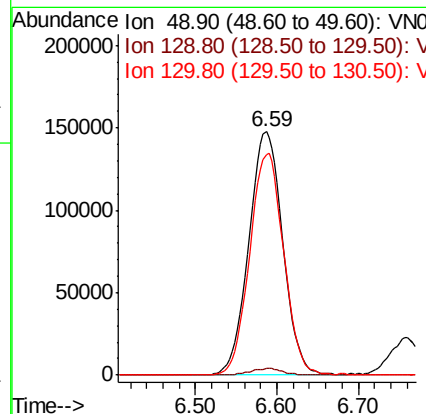
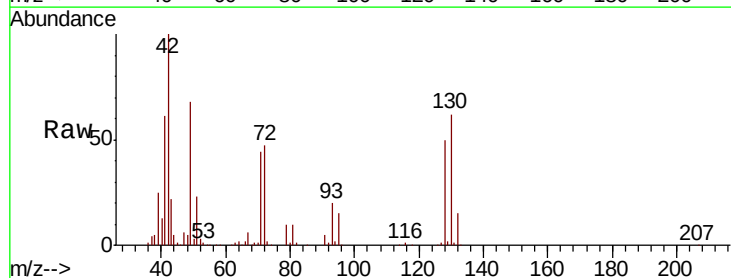
RT: 6.59 min Scan# 1497

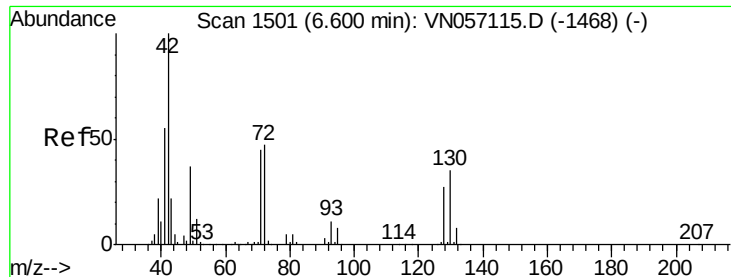
Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	49	Resp:	423611
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.8
130	91.1	73.8	110.8





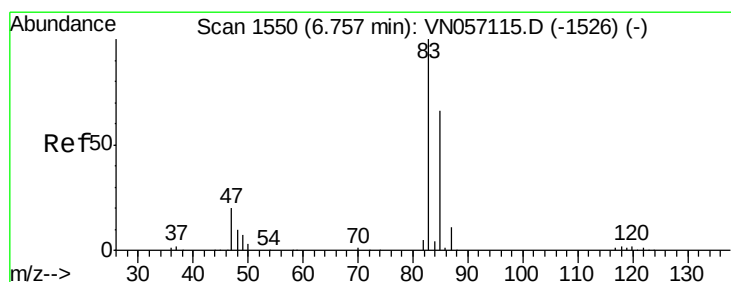
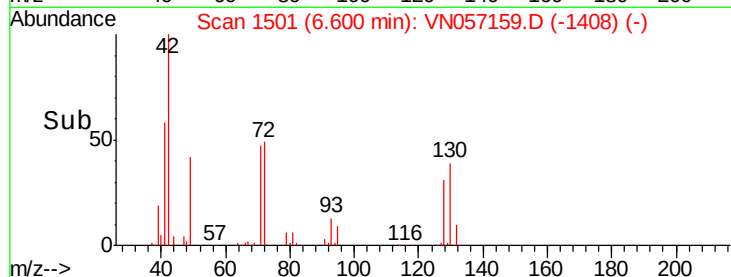
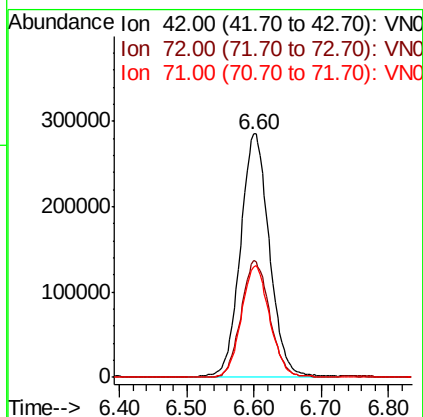
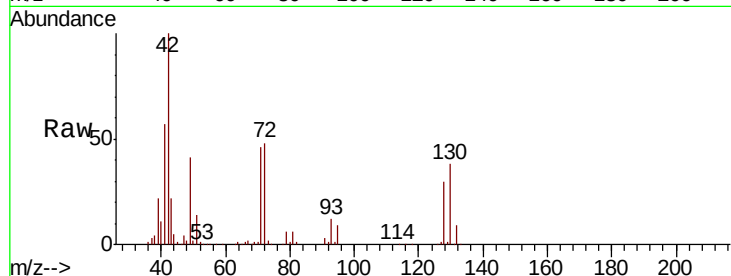
#29
Tetrahydrofuran
Concen: 256.590 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.1	55.7
71	44.9	34.8	52.2

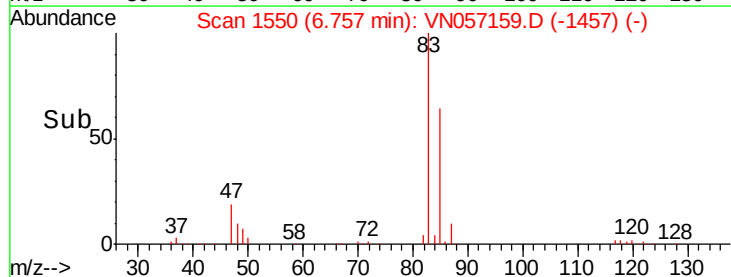
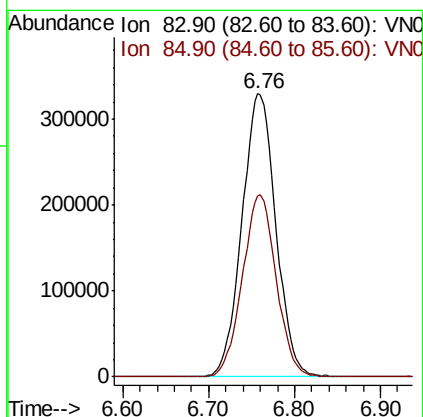
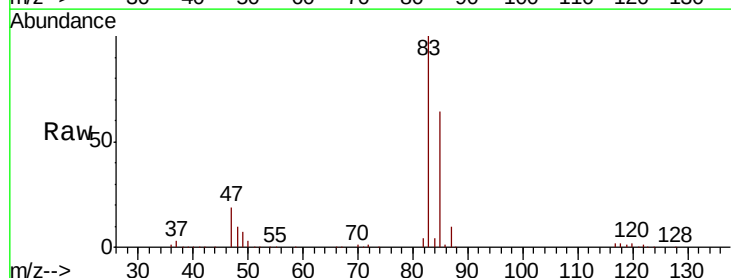
Manual Integrations
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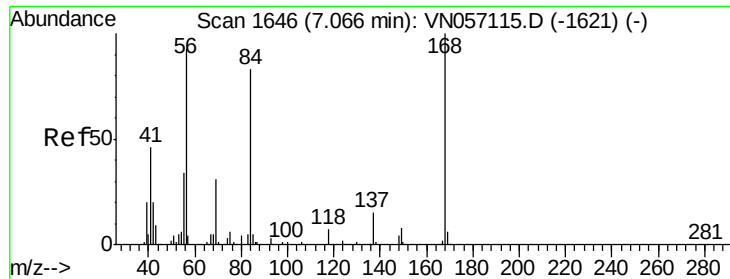
MMDadoda
8/12/2019 3:12:08 PM



#30
Chloroform
Concen: 50.562 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8





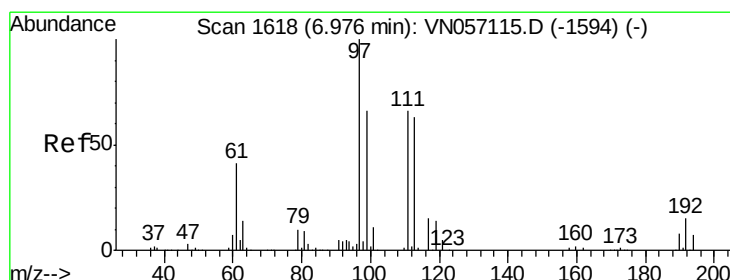
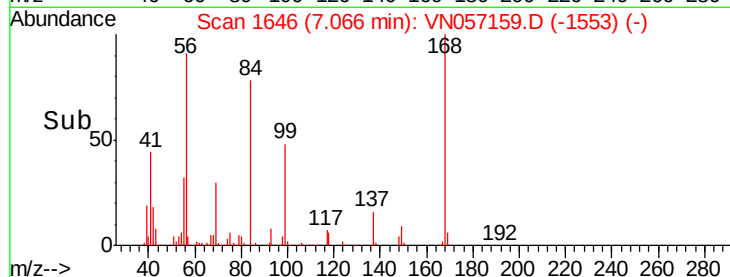
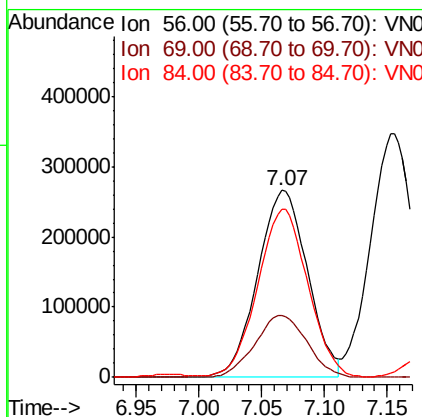
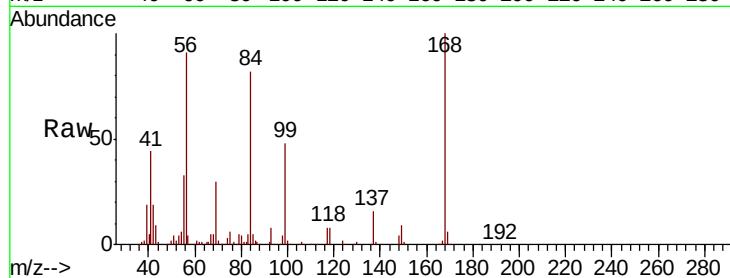
#31
Cyclohexane
Concen: 47.460 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.9	40.3
84	89.3	71.9	107.9

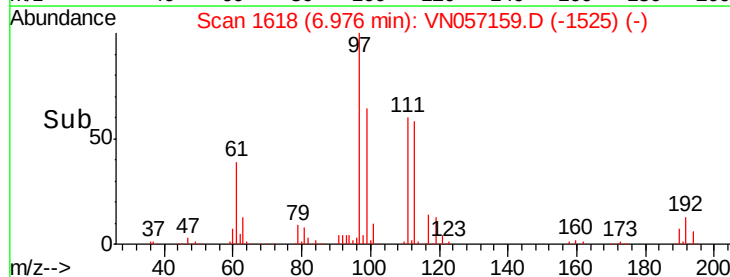
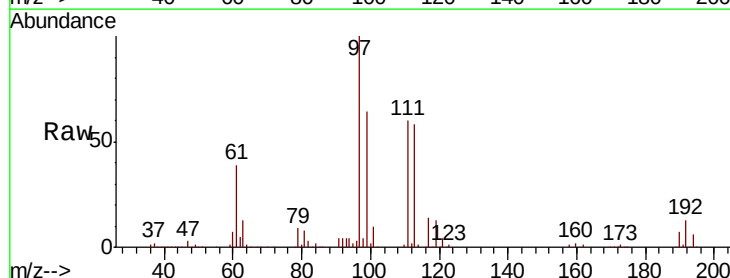
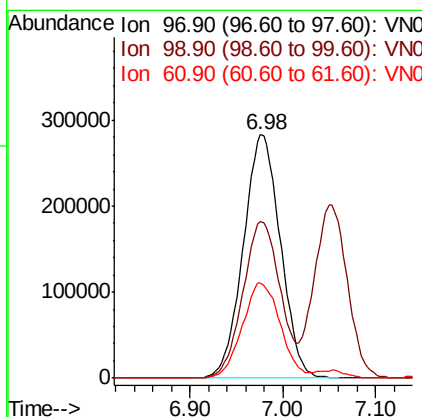
Manual Integrations
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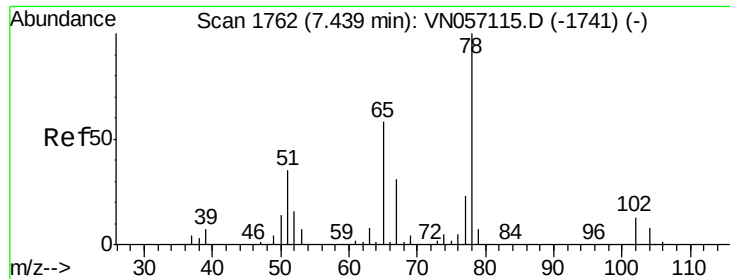
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.428 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	40.0	32.7	49.1





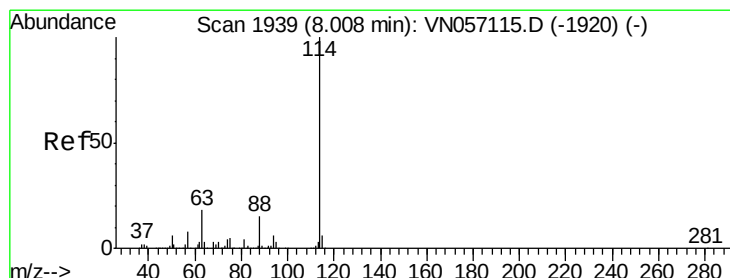
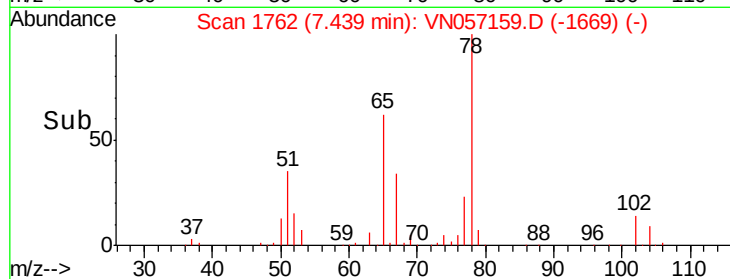
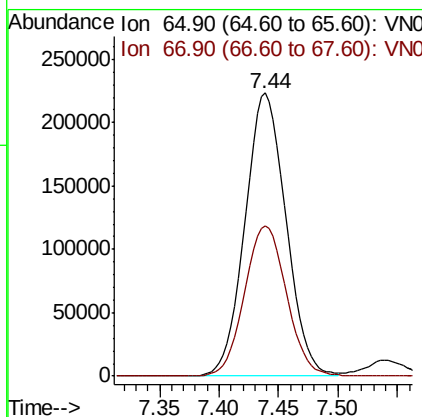
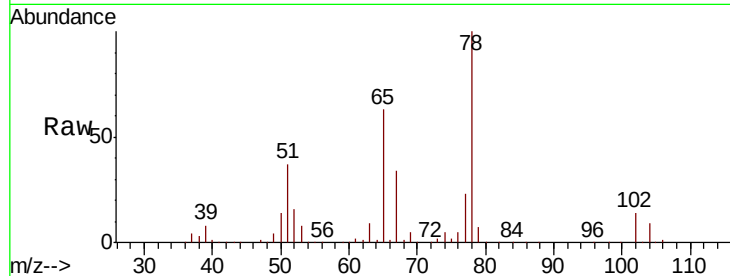
#33
 1,2-Dichloroethane-d4
 Concen: 49.878 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	108.2	

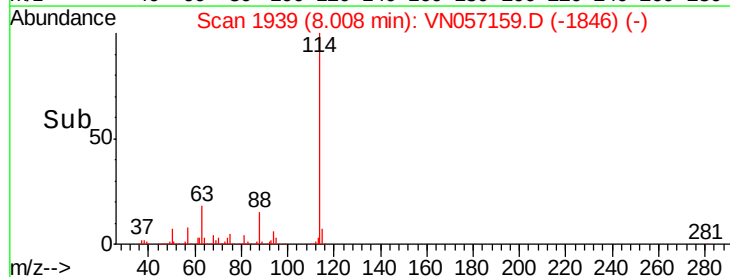
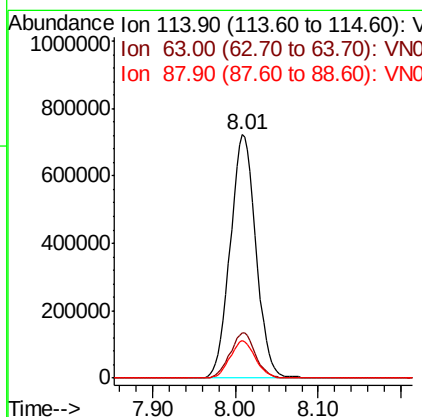
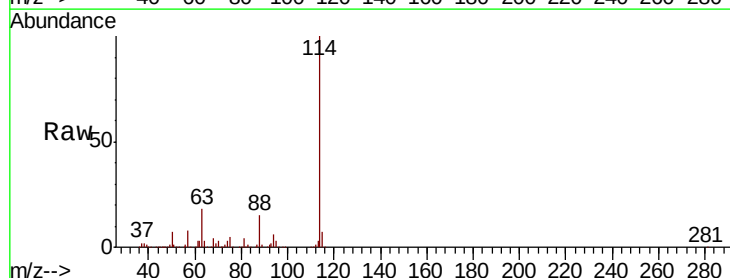
Manual Integrations
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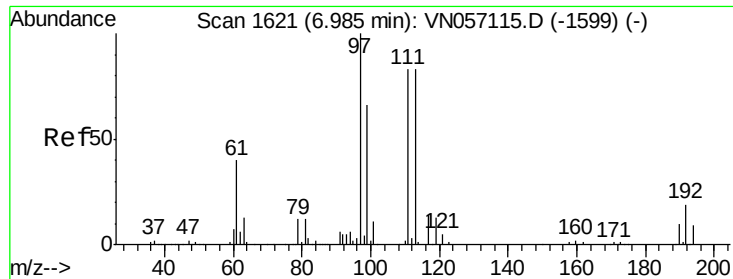
MMDadoda
 8/12/2019 3:12:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	36.2	
88	15.2	0.0	30.0	





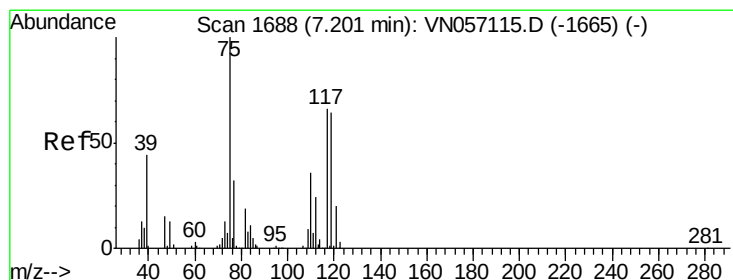
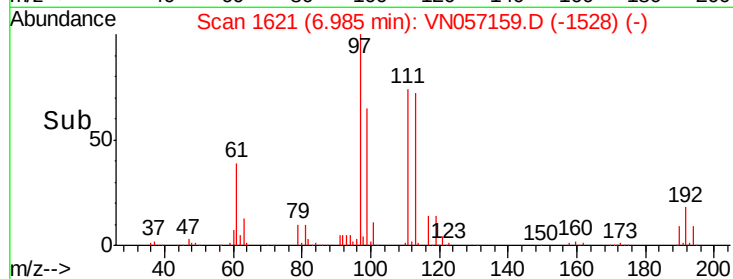
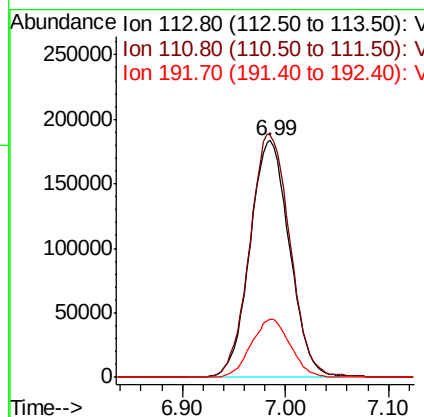
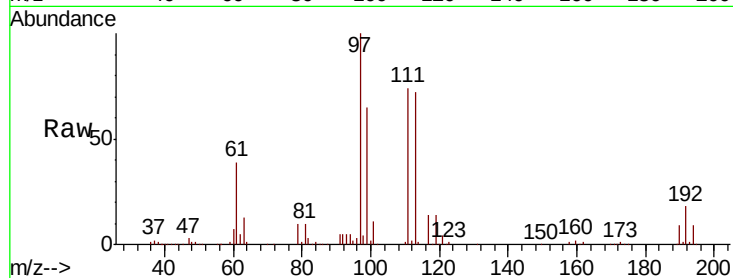
#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	489123		
111	104.4	81.3	121.9	
192	24.3	19.0	28.4	

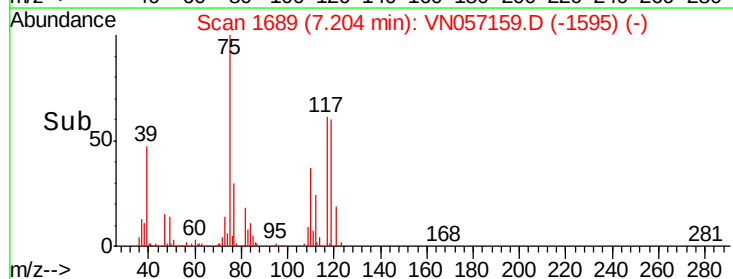
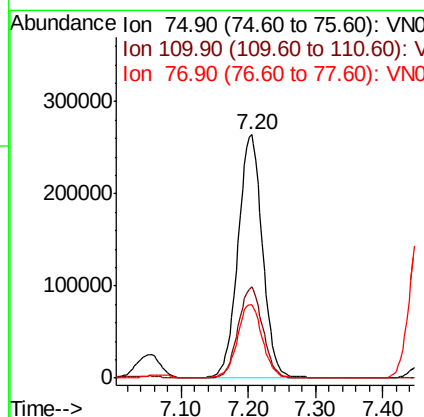
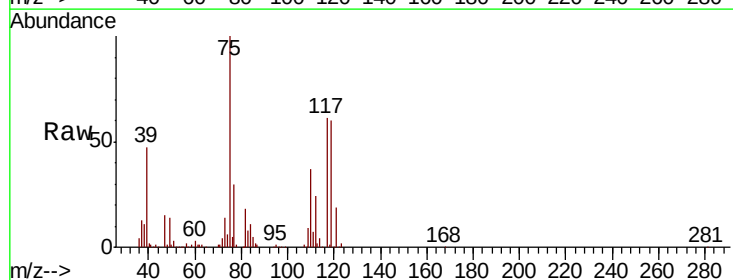
Manual Integrations
 APPROVED

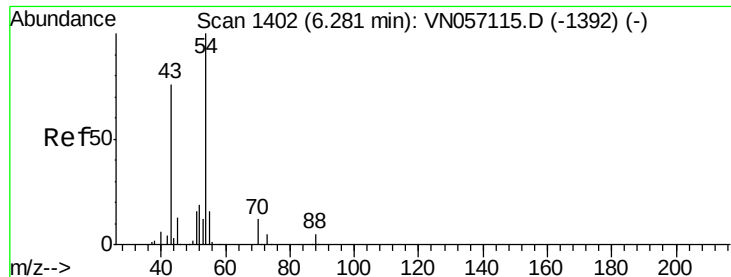
MMDadoda
 8/12/2019 3:12:08 PM



#36
 1,1-Dichloropropene
 Concen: 51.533 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	662597		
110	37.7	18.7	56.1	
77	30.8	25.0	37.4	





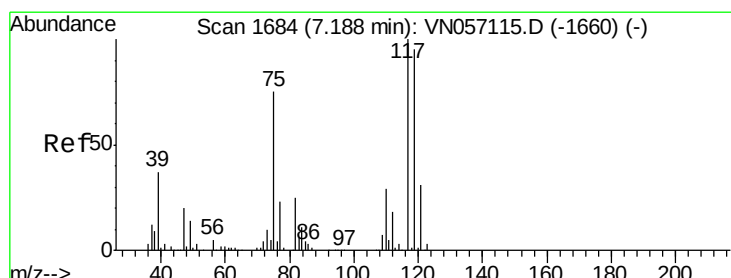
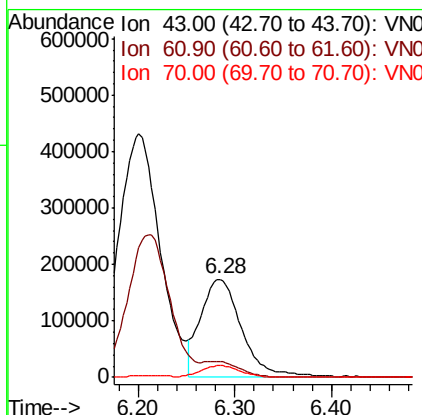
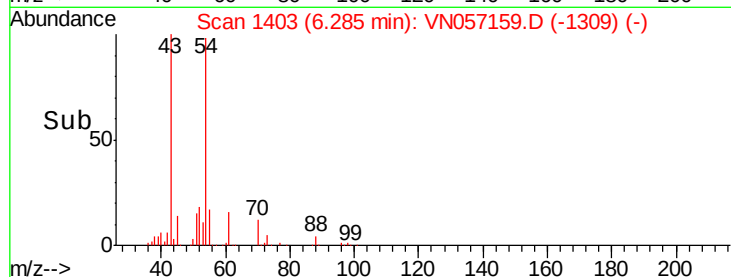
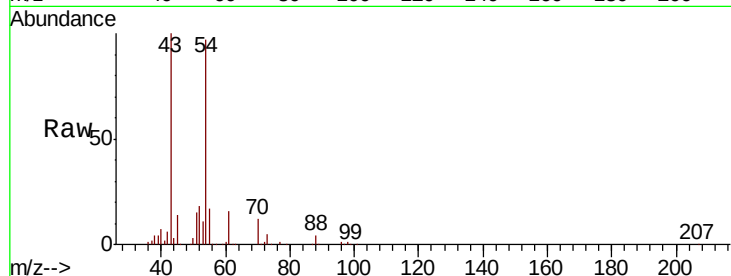
#37
Ethyl Acetate
Concen: 47.666 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	11.5	9.1	13.7

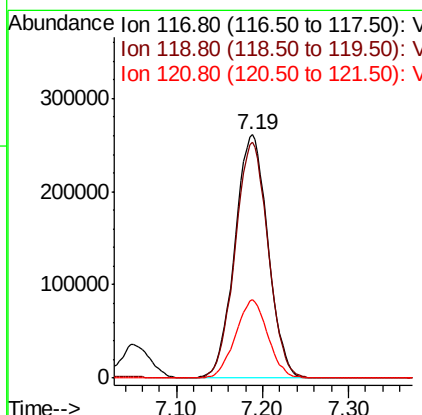
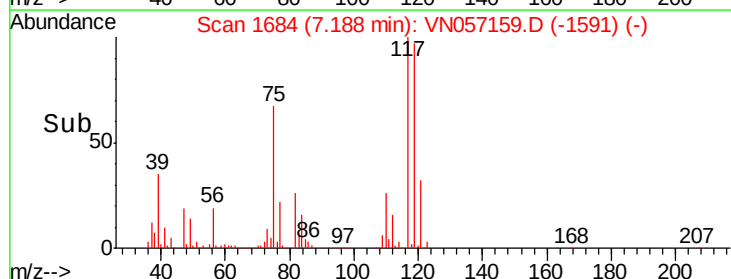
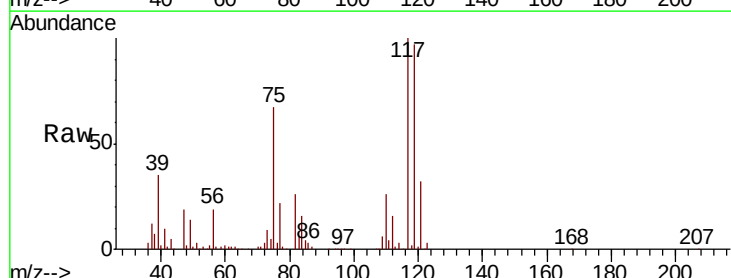
Manual Integrations
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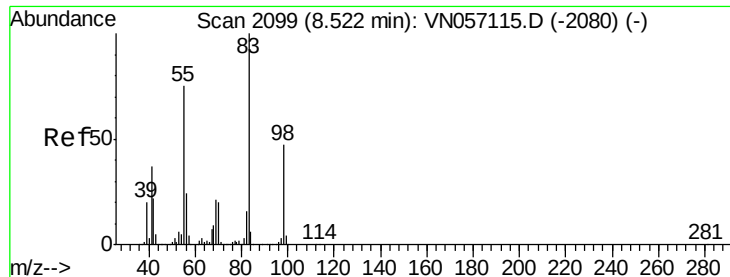
MMDadoda
8/12/2019 3:12:08 PM



#38
Carbon Tetrachloride
Concen: 52.186 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.6
121	32.1	24.4	36.6





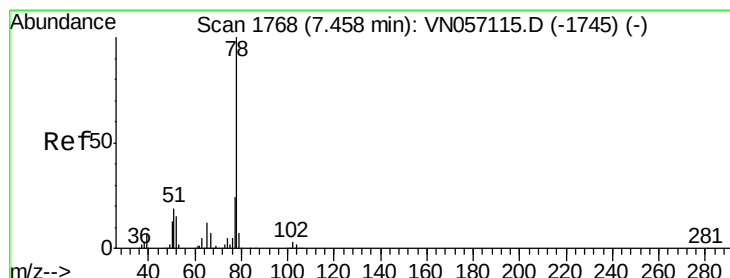
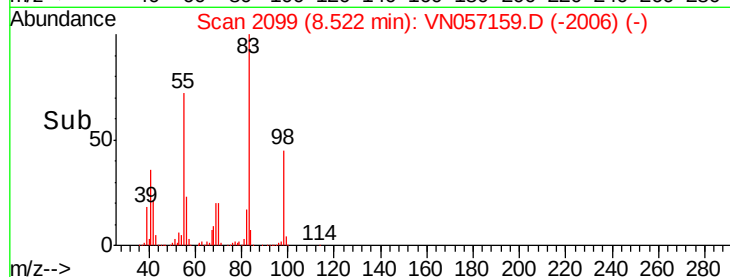
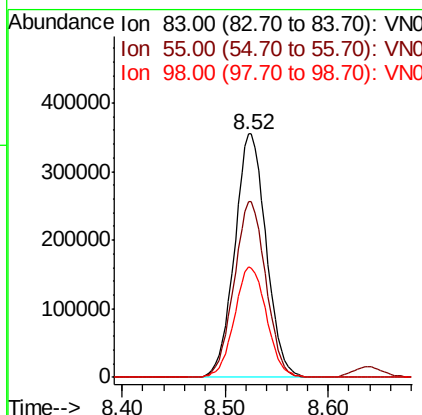
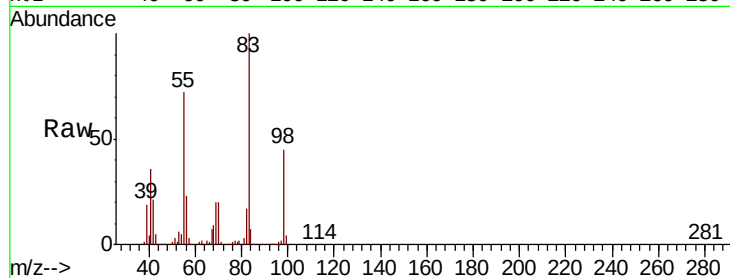
#39
Methylvlcyclohexane
Concen: 48.198 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	83	Resp	753623
Ion Ratio	100	Lower	Upper
83	100		
55	72.2	60.3	90.5
98	45.3	37.9	56.9

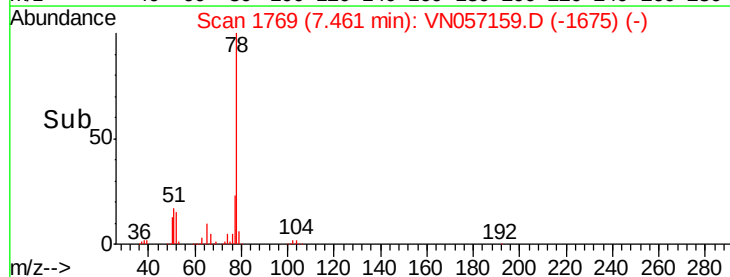
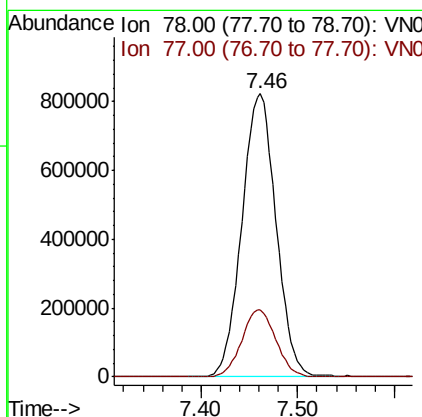
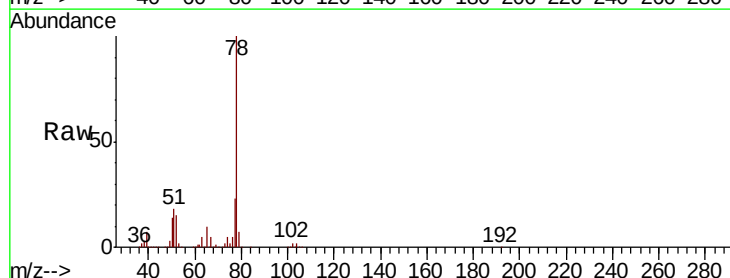
Manual Integrations
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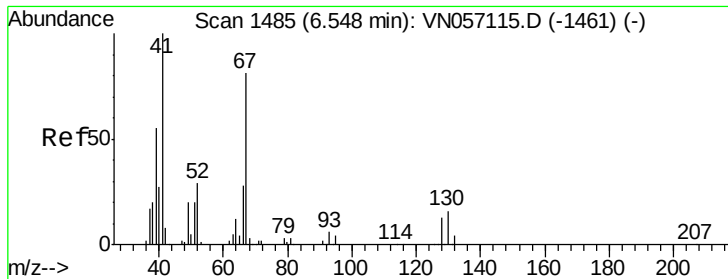
MMDadoda
8/12/2019 3:12:08 PM



#40
Benzene
Concen: 49.684 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	78	Resp	2022339
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.2	28.8





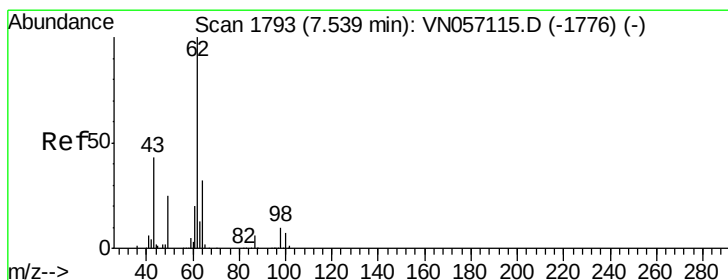
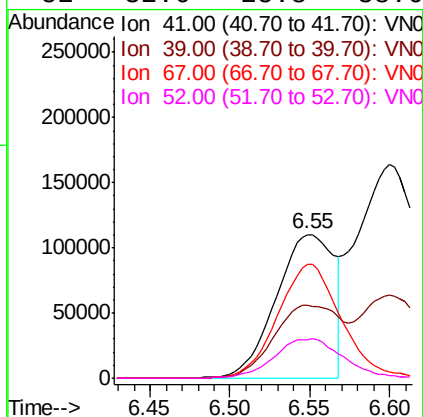
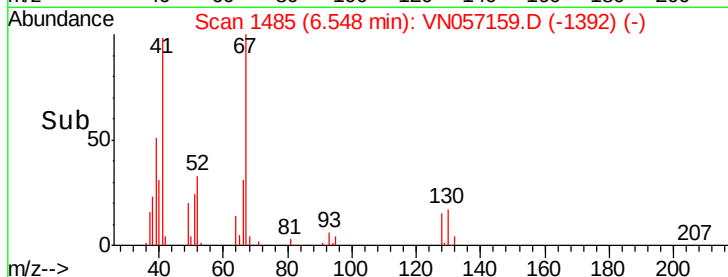
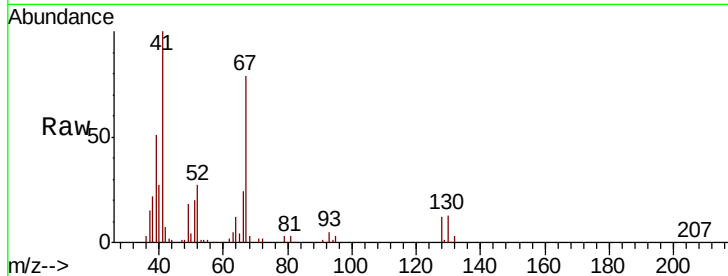
#41
Methacrylonitrile
Concen: 51.599 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		277809		
39	59.2	44.9	67.3		
67	87.8	69.1	103.7		
52	32.6	25.8	38.6		

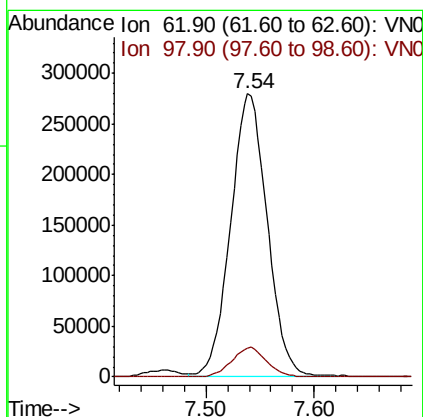
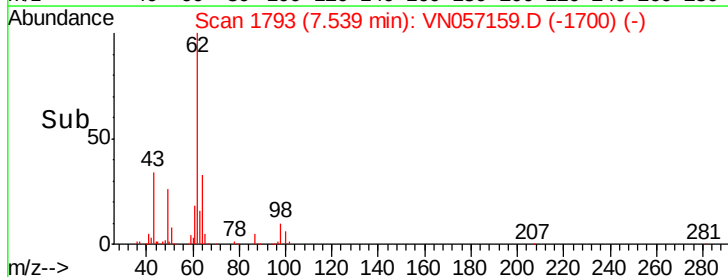
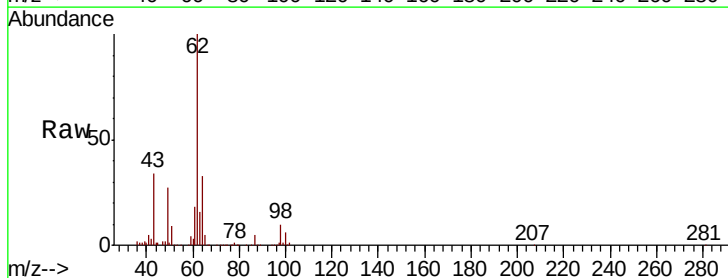
Manual Integrations
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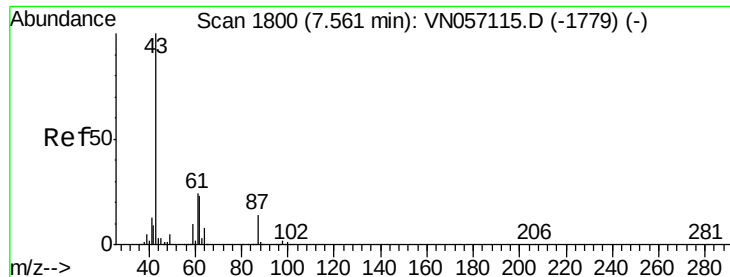
MMDadoda
8/12/2019 3:12:08 PM



#42
1,2-Dichloroethane
Concen: 50.588 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		656713		
98	10.0	0.0	19.4		





#43

Isopropyl Acetate

Concen: 48.938 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

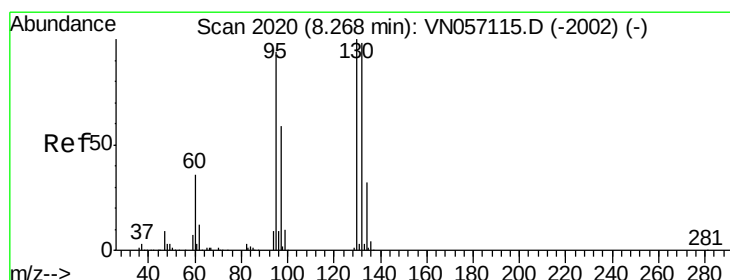
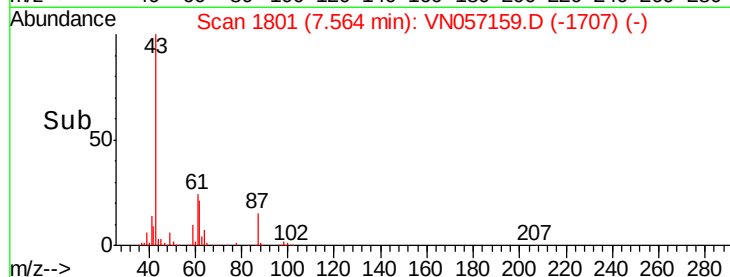
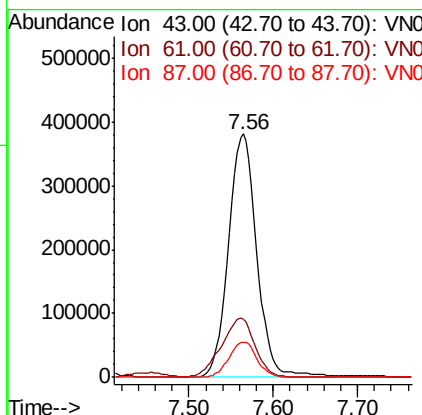
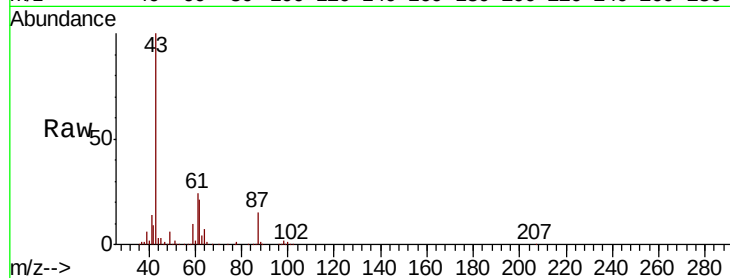
ClientSampleId :

MW-4R_080819MS

Tot Ion:	43	Resp:	885181
Ion	Ratio	Lower	Upper
43	100		
61	28.6	24.2	36.2
87	14.6	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 50.087 ug/l

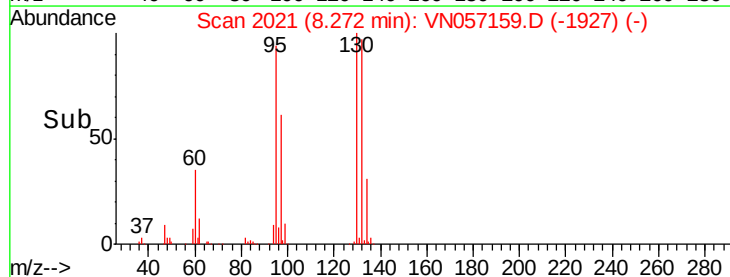
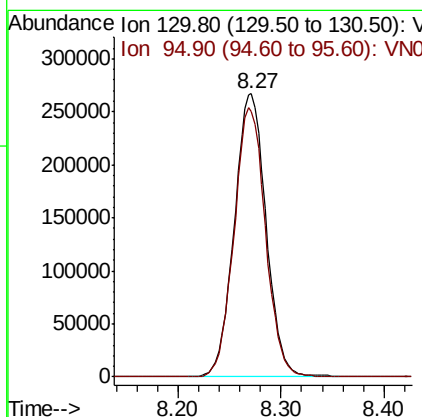
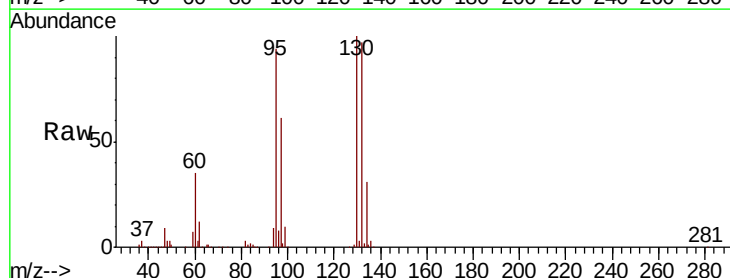
RT: 8.27 min Scan# 2021

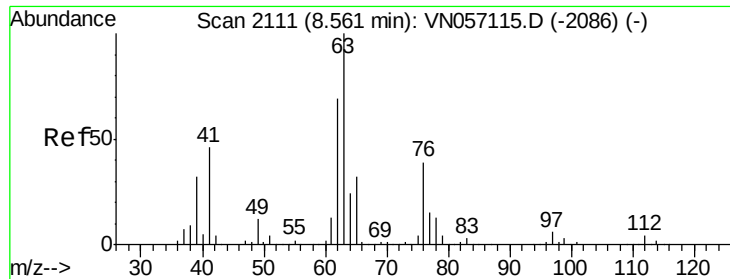
Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	130	Resp:	571171
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	187.4





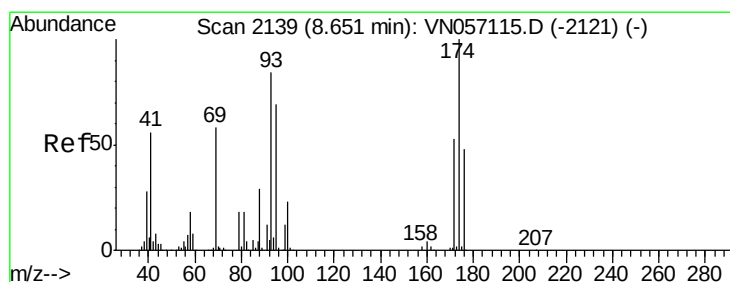
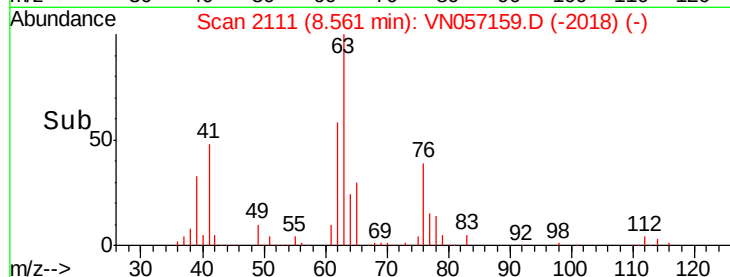
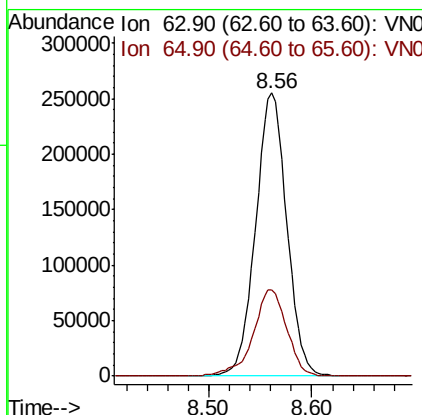
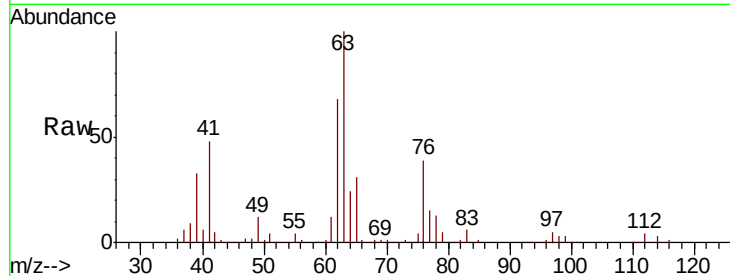
#45
 1,2-Dichloropropane
 Concen: 50.618 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion: 63 Resp: 533479
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8

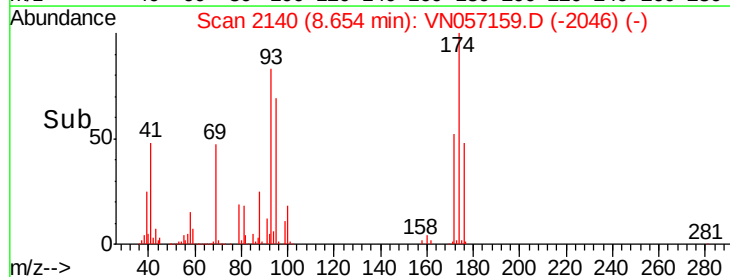
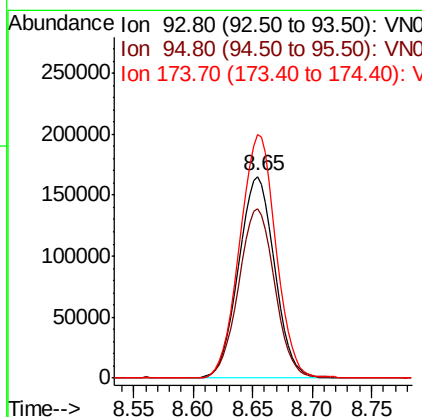
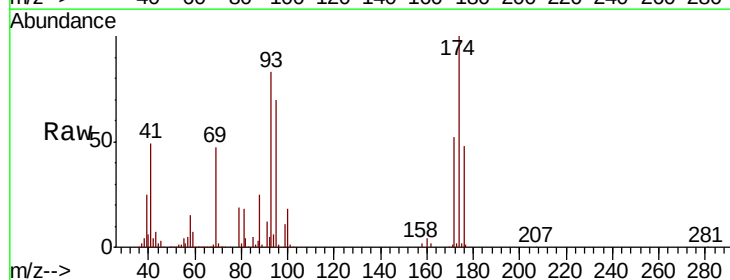
Manual Integrations
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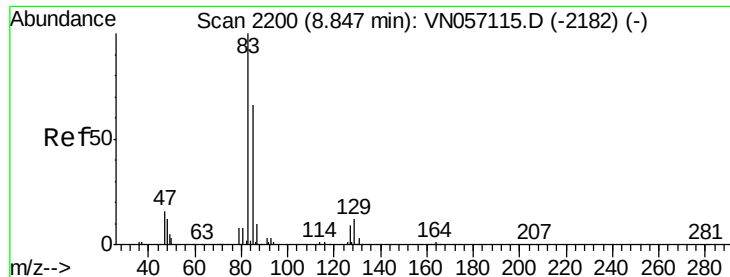
MMDadoda
 8/12/2019 3:12:08 PM



#46
 Dibromomethane
 Concen: 51.496 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 93 Resp: 347997
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.0 99.0
 174 121.0 96.0 144.0





#47

Bromodichloromethane

Concen: 53.721 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

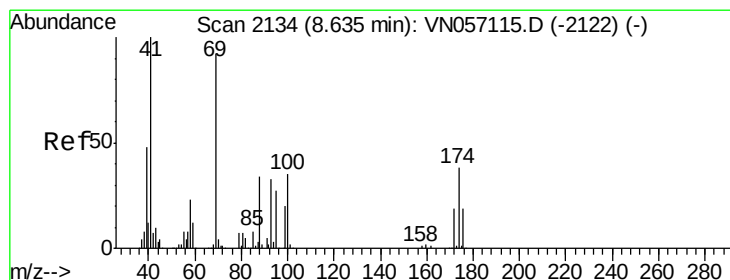
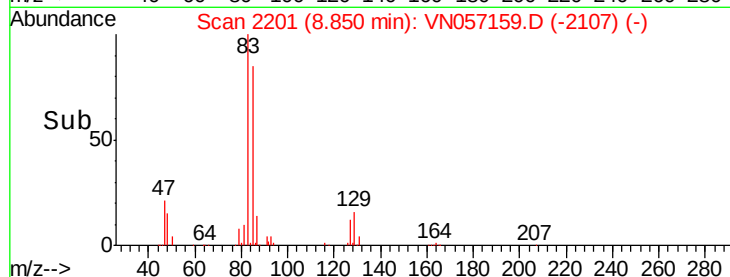
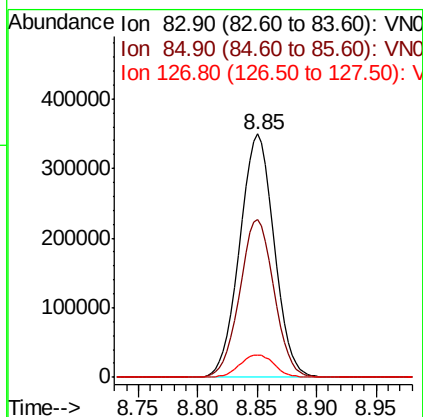
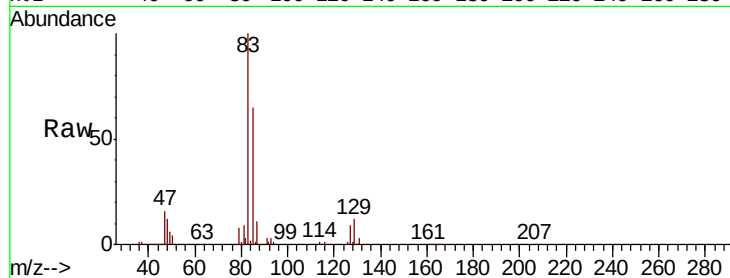
ClientSampleId :

MW-4R_080819MS

Tot Ion:	83	Resp:	702441
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.6	78.8
127	9.4	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.946 ug/l

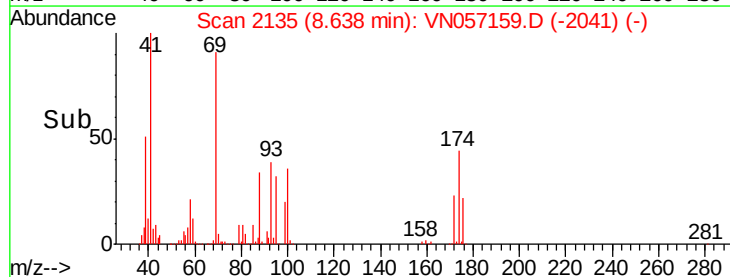
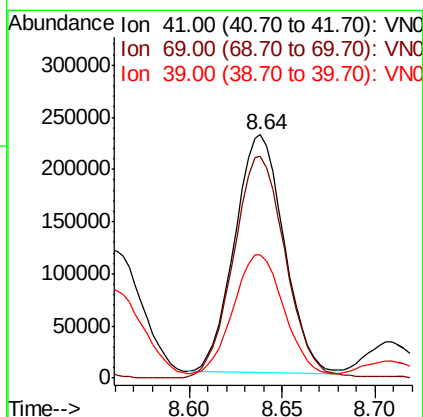
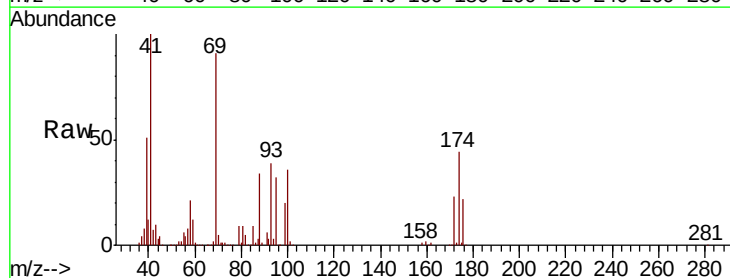
RT: 8.64 min Scan# 2135

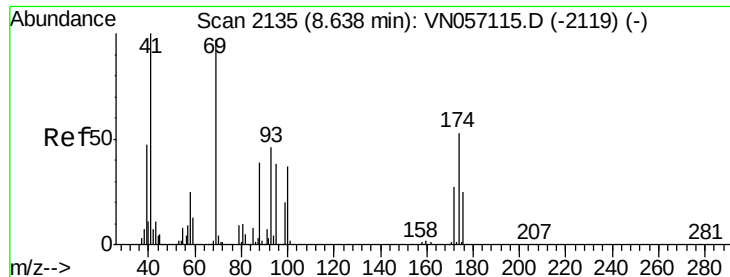
Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	41	Resp:	425998
Ion Ratio	Lower	Upper	
41	100		
69	97.8	77.5	116.3
39	54.6	39.8	59.6





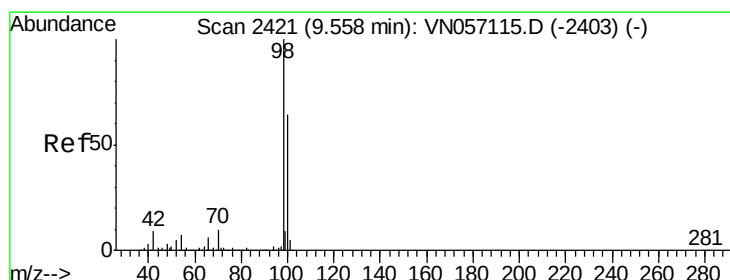
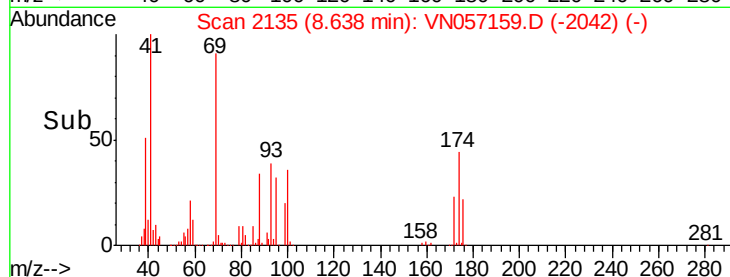
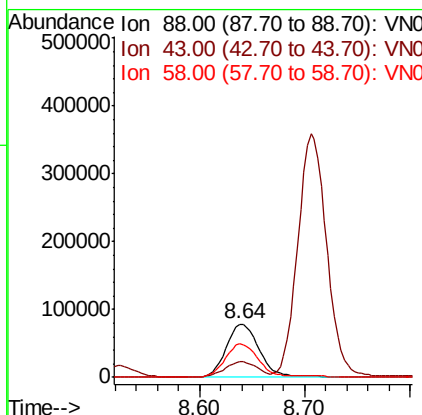
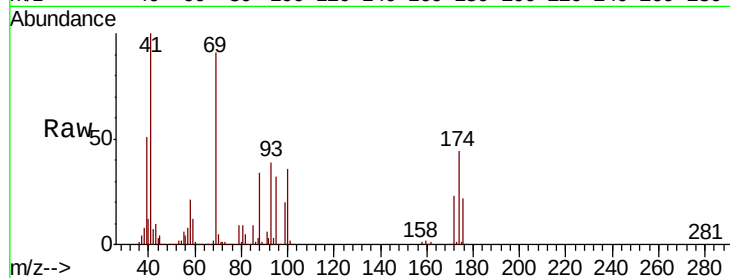
#49
1,4-Dioxane
Concen: 995.187 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	88	Resp	172876
Ion	Ratio	Lower	Upper
88	100		
43	27.9	21.7	32.5
58	62.4	51.1	76.7

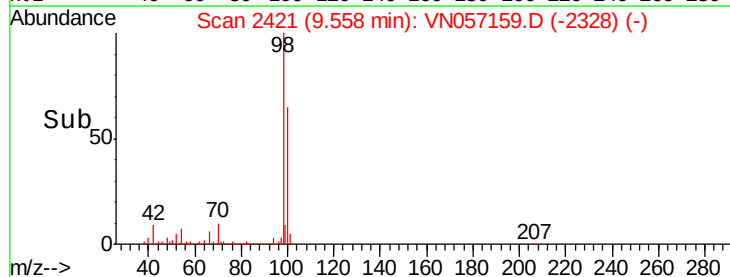
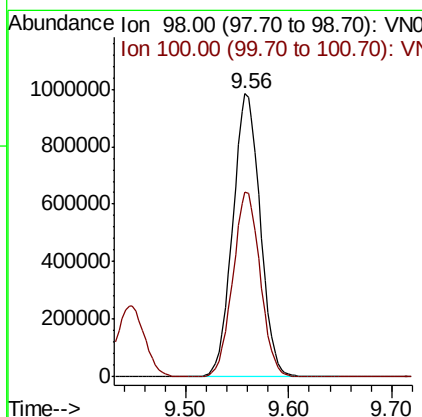
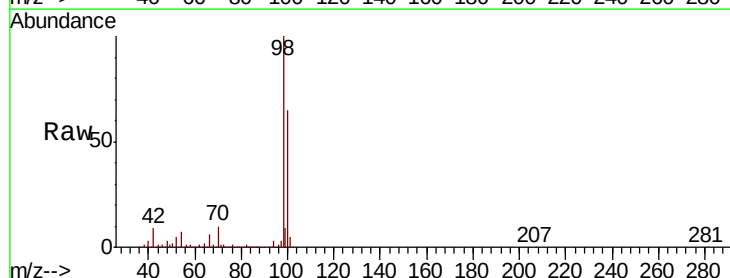
Manual Integrations
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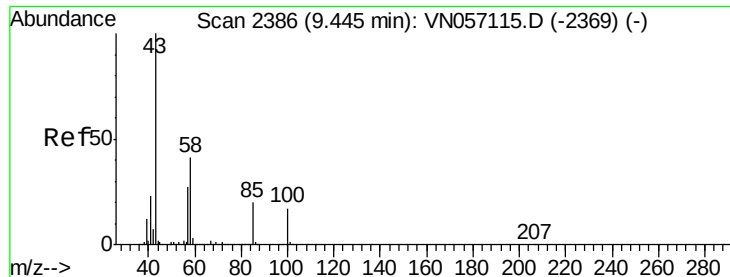
MMDadoda
8/12/2019 3:12:08 PM



#50
Toluene-d8
Concen: 48.762 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	98	Resp	1828134
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.2	76.8





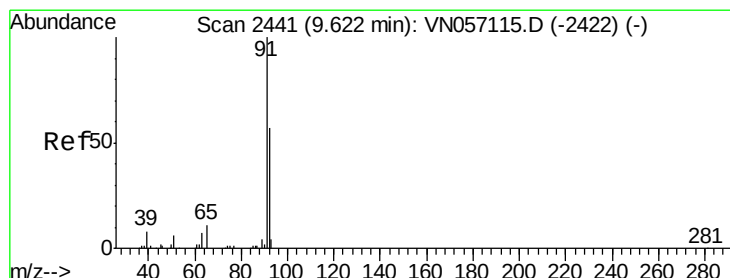
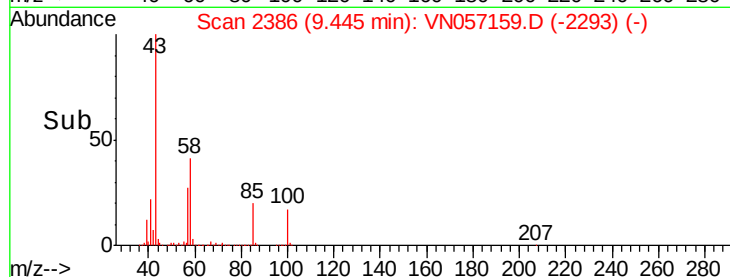
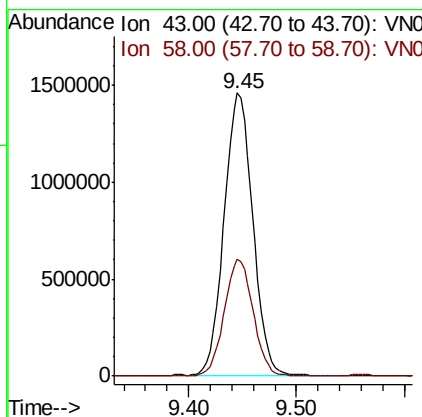
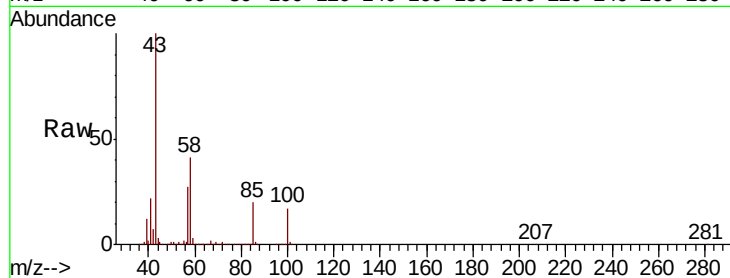
#51
 4-Methyl-2-Pentanone
 Concen: 256.196 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion: 43 Resp: 2696967
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8

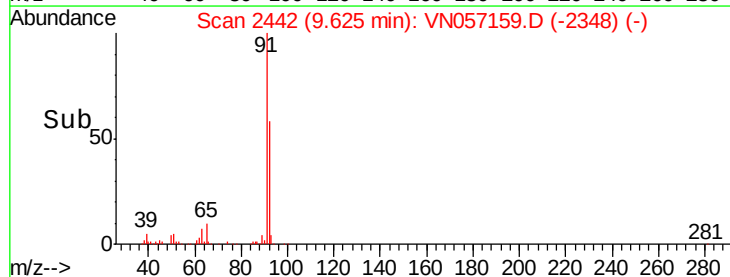
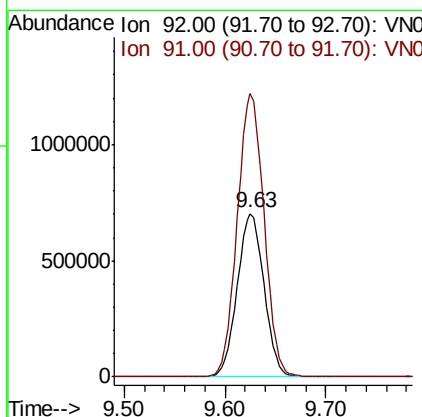
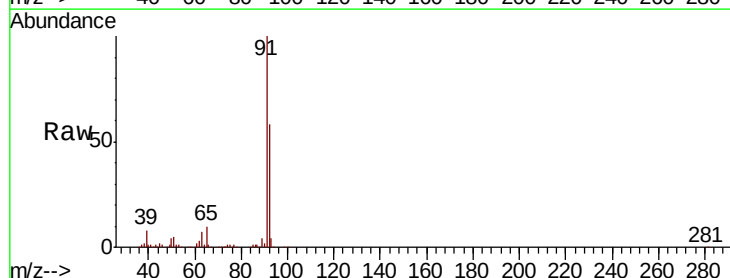
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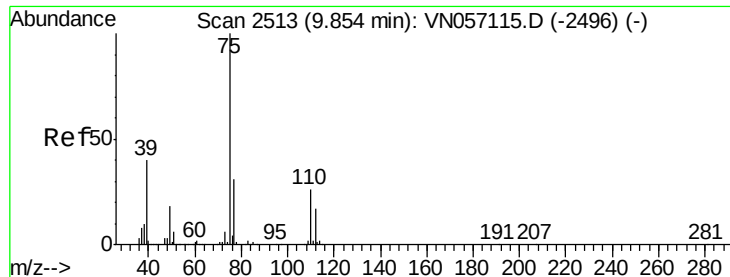
MMDadoda
 8/12/2019 3:12:08 PM



#52
 Toluene
 Concen: 51.110 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 92 Resp: 1291351
 Ion Ratio Lower Upper
 92 100
 91 174.1 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 52.582 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 75 Resp: 718270

Ion Ratio Lower Upper

75 100

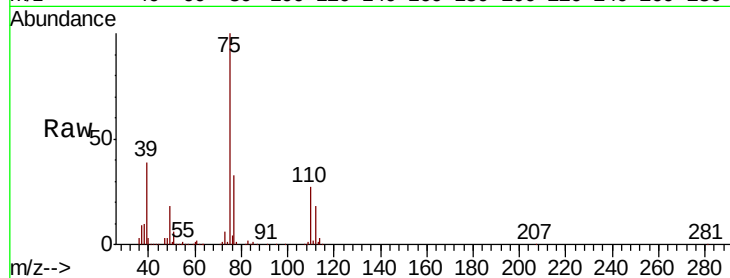
77 32.5 24.8 37.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.86

400000

300000

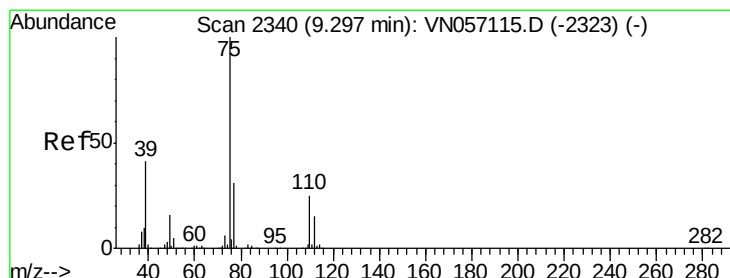
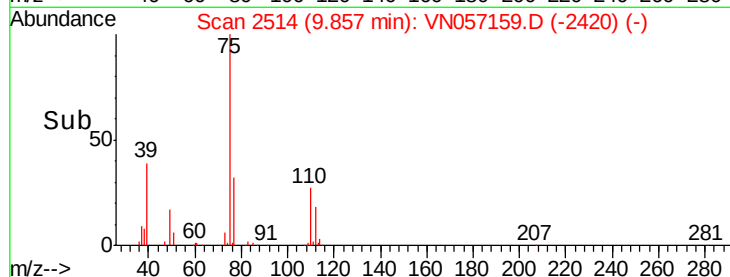
200000

100000

0

9.80 9.90

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.425 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

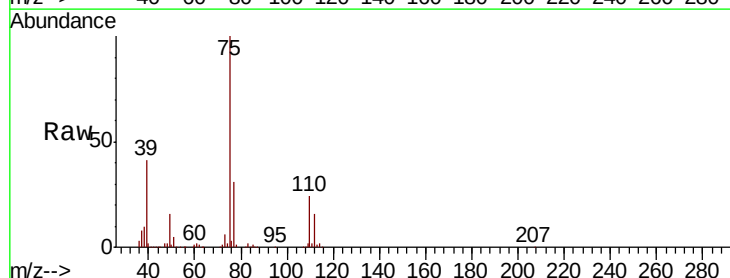
Tgt Ion: 75 Resp: 806063

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 41.0 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.30

500000

400000

300000

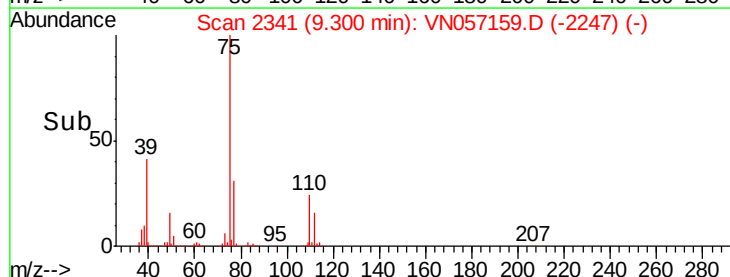
200000

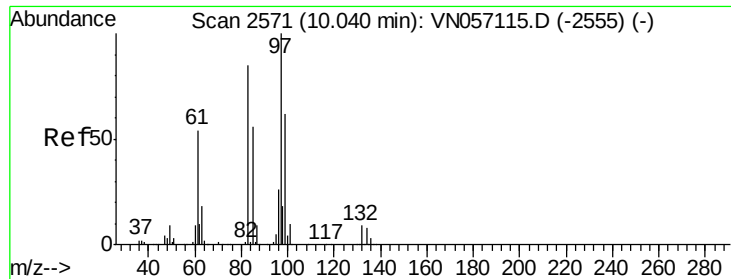
100000

0

9.20 9.25 9.30 9.35 9.40

Time-->





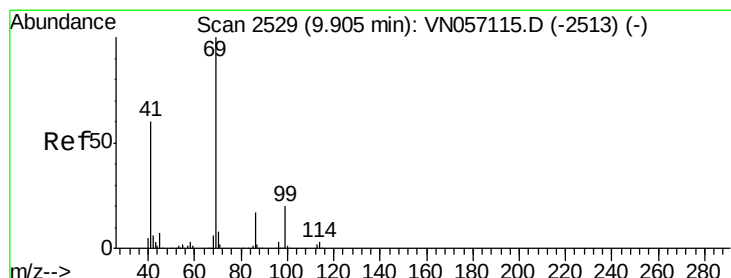
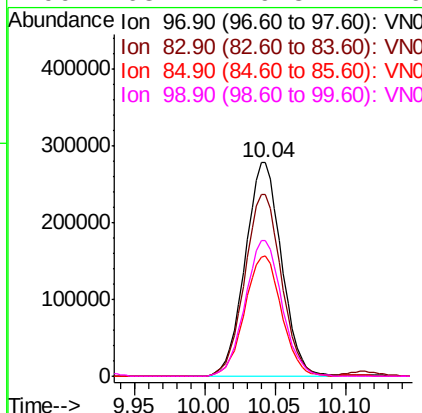
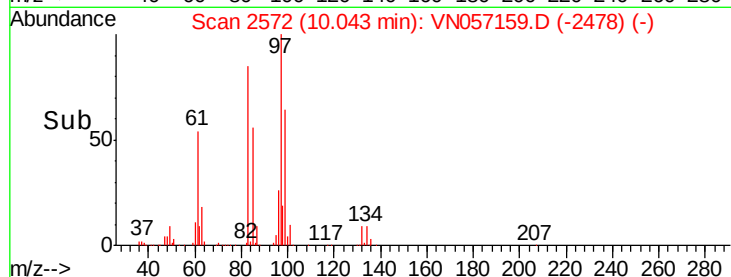
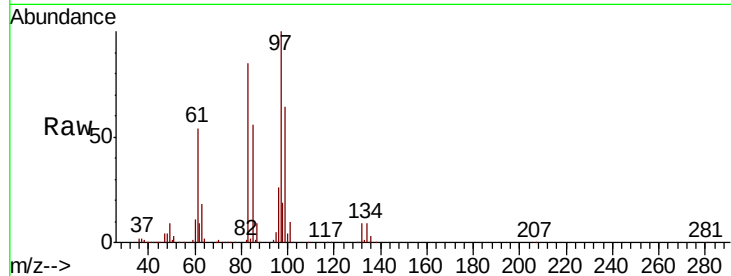
#55
 1,1,2-Trichloroethane
 Concen: 50.557 ug/l
 RT: 10.04 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion:	97	Resp:	502315
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.8
85	56.3	44.4	66.6
99	63.7	49.8	74.6

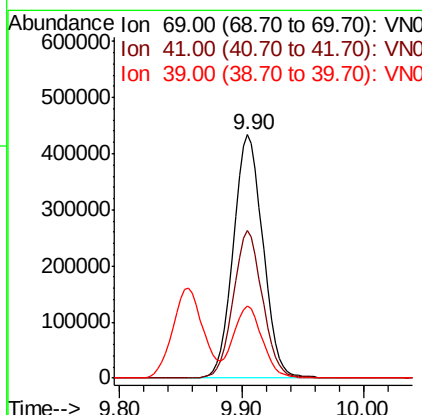
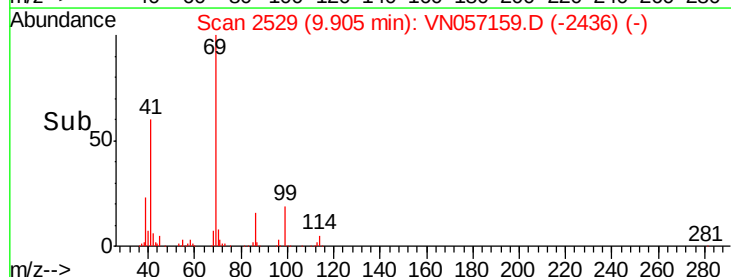
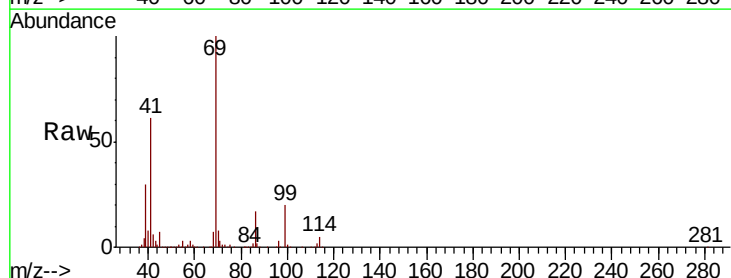
Manual Integrations
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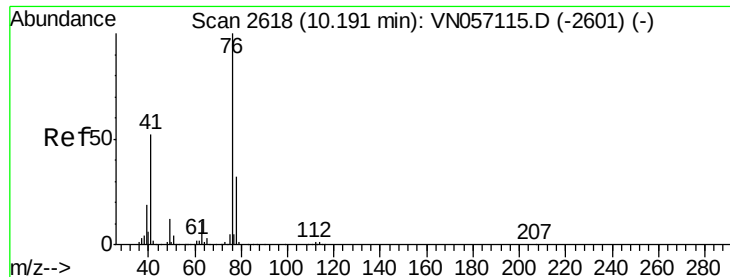
MMDadoda
 8/12/2019 3:12:08 PM



#56
 Ethyl methacrylate
 Concen: 52.529 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion:	69	Resp:	730745
Ion	Ratio	Lower	Upper
69	100		
41	59.6	48.1	72.1
39	28.8	23.6	35.4





#57

1,3-Dichloropropane

Concen: 50.815 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 76 Resp: 832586

Ion Ratio Lower Upper

76 100

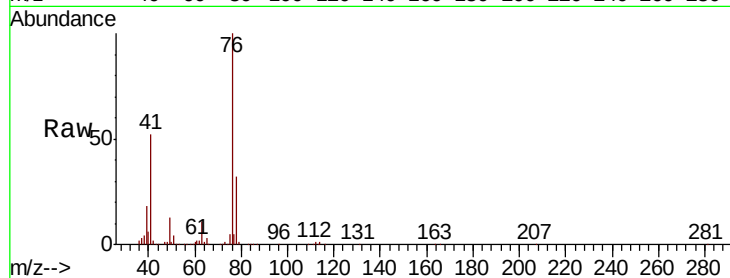
78 32.2 25.9 38.9

Manual Integrations

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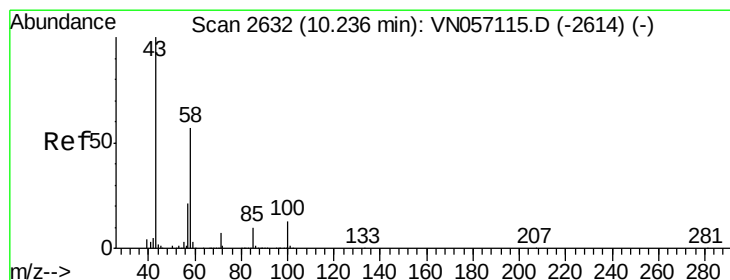
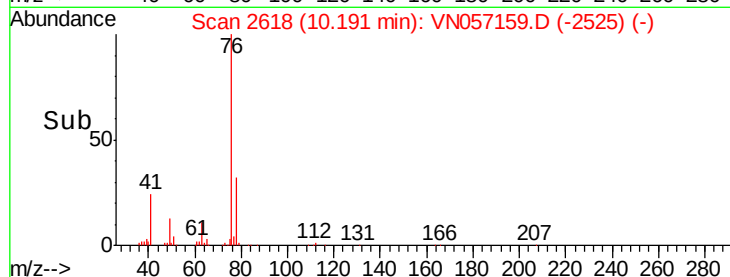
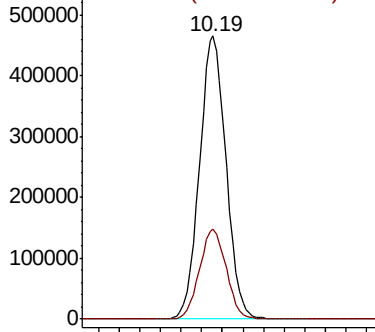
MMDadoda

8/12/2019 3:12:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 264.021 ug/l

RT: 10.24 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VN057159.D

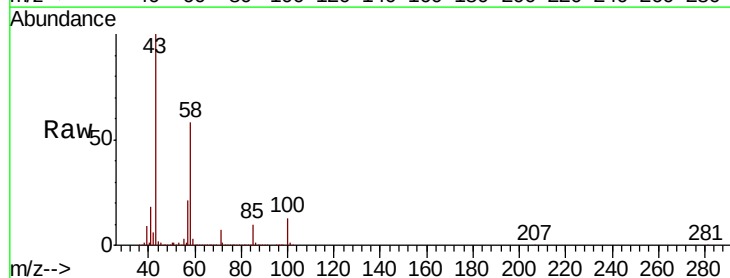
Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 1881032

Ion Ratio Lower Upper

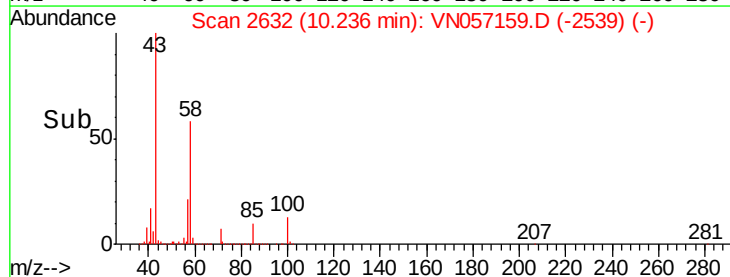
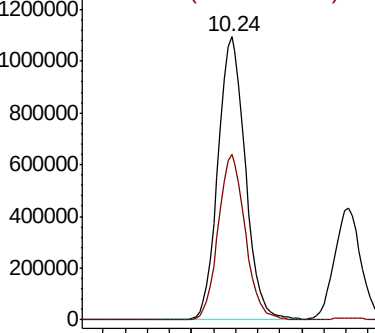
43 100

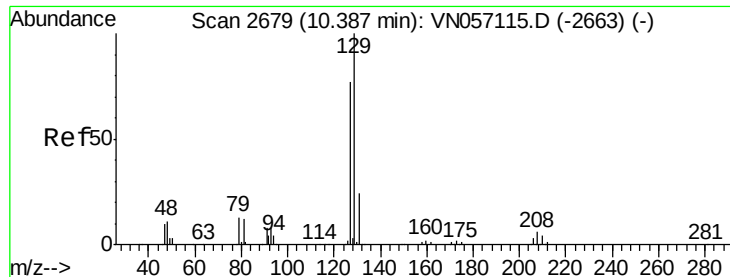
58 57.9 29.2 87.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





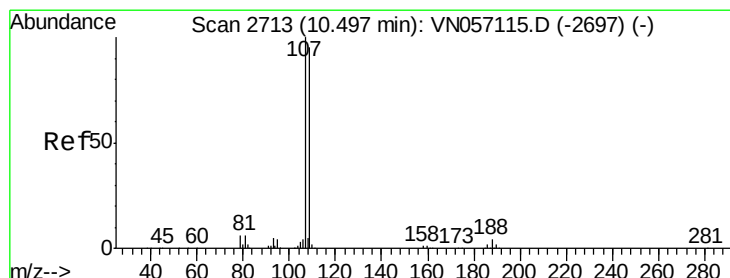
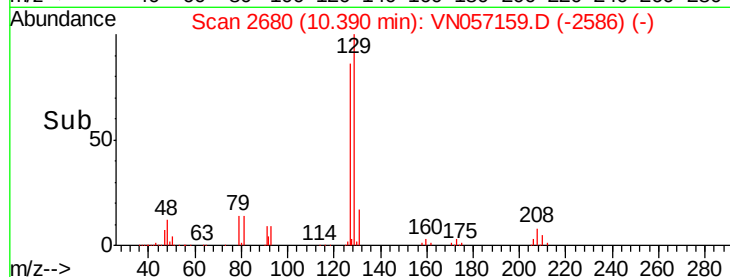
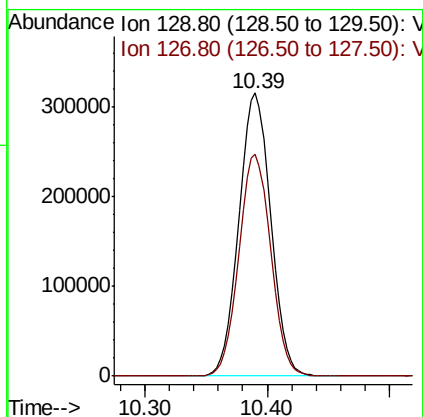
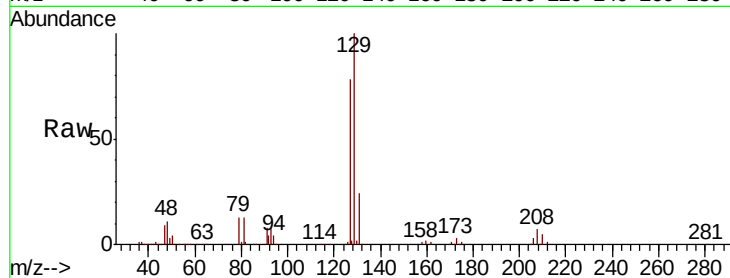
#60
Dibromochloromethane
Concen: 54.445 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	116.0

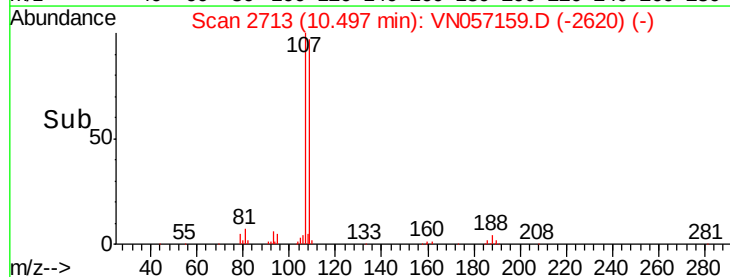
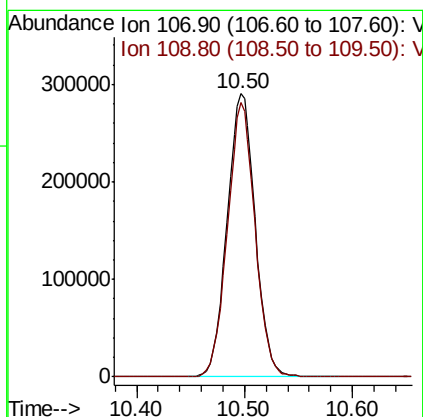
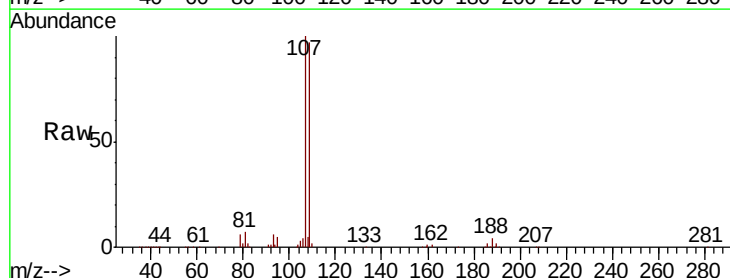
Manual Integrations
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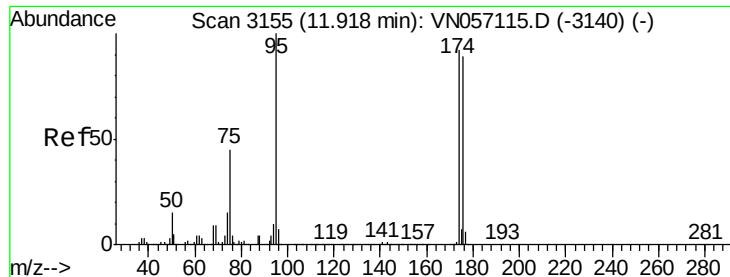
MMDadoda
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#61
1,2-Dibromoethane
Concen: 51.241 ug/l
RT: 10.50 min Scan# 2713
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4





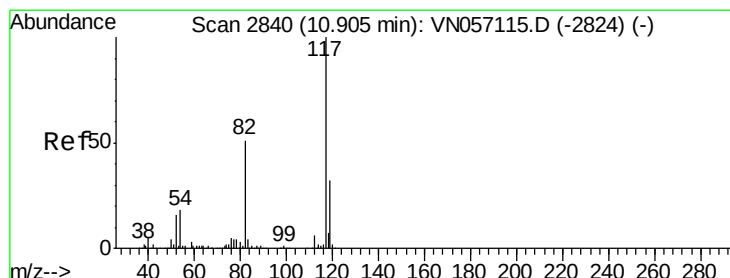
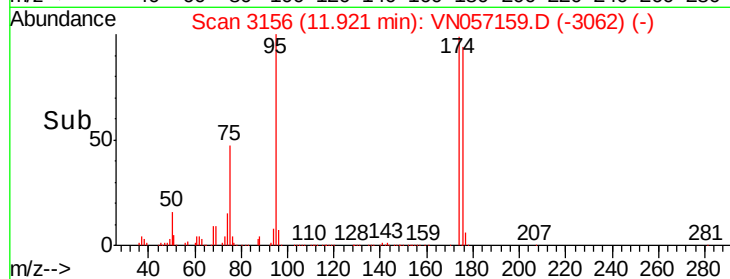
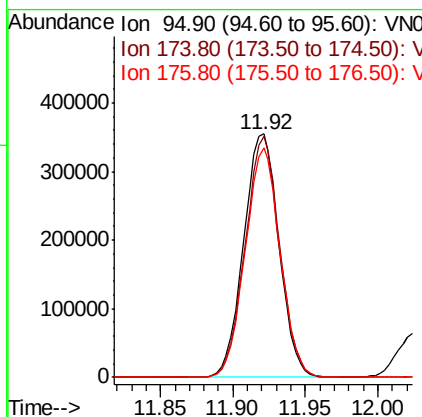
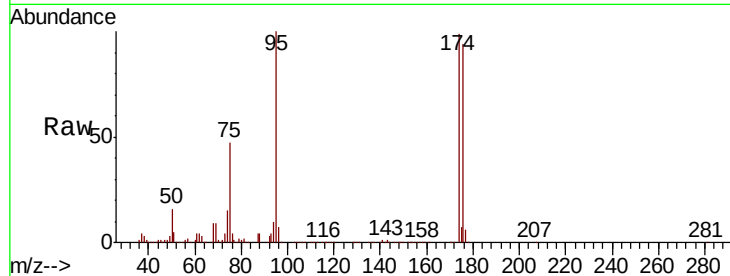
#62
4-Bromofluorobenzene
Concen: 49.674 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	600061		
174	97.0	0.0	185.0	
176	93.0	0.0	181.2	

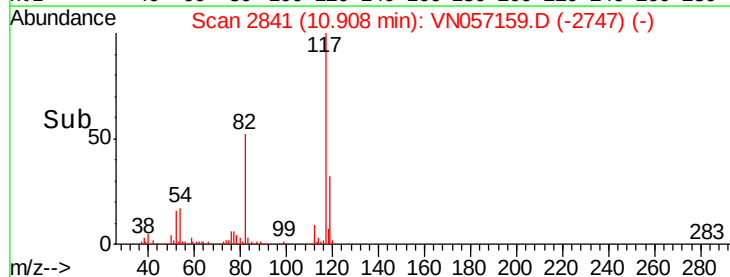
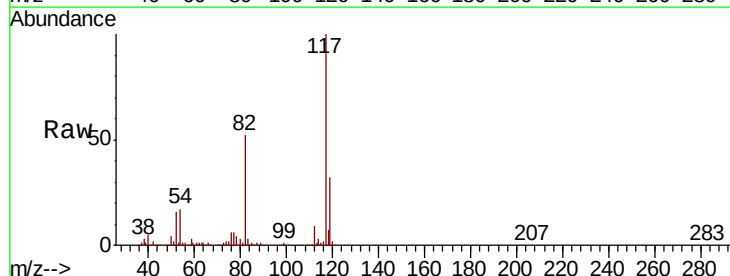
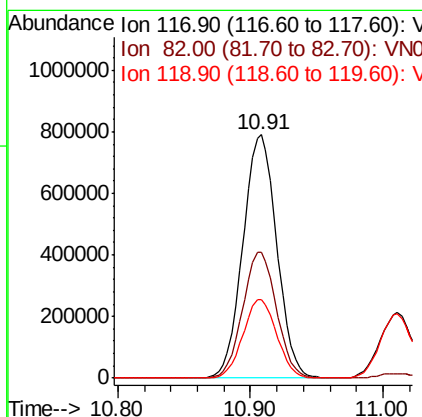
Manual Integrations
APPROVED

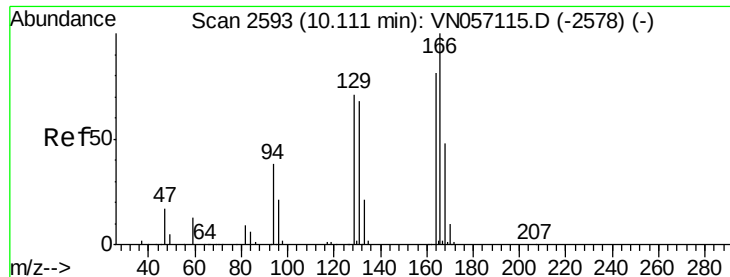
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1400777		
82	51.7	40.8	61.2	
119	32.3	25.7	38.5	





#64

Tetrachloroethene

Concen: 48.925 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion:164 Resp: 569947

Ion Ratio Lower Upper

164 100

166 131.0 98.3 147.5

129 89.0 69.8 104.6

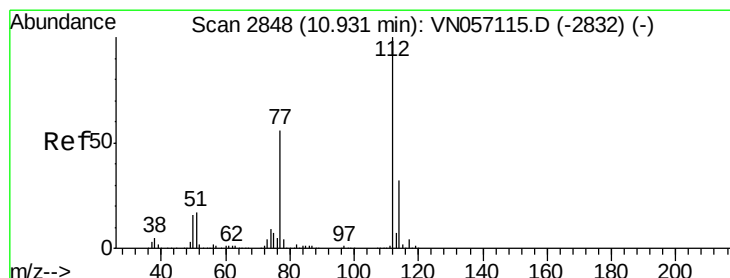
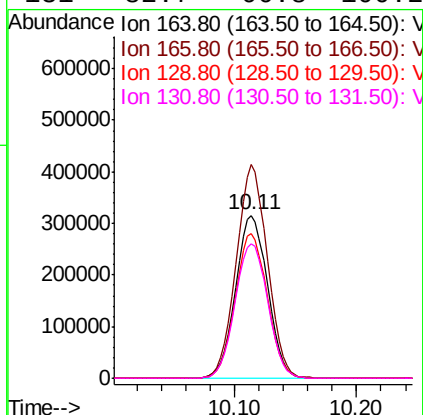
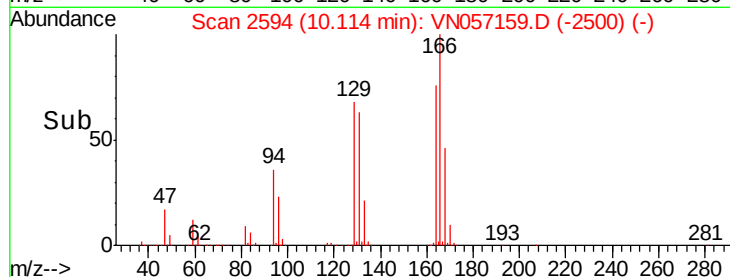
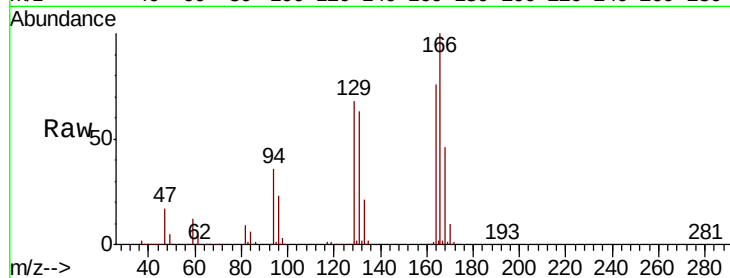
131 82.7 66.8 100.2

Manual Integrations

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#65

Chlorobenzene

Concen: 49.348 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VN057159.D

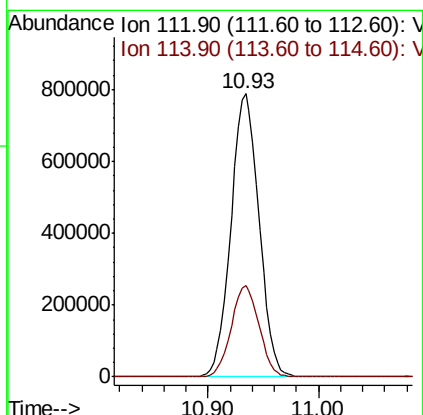
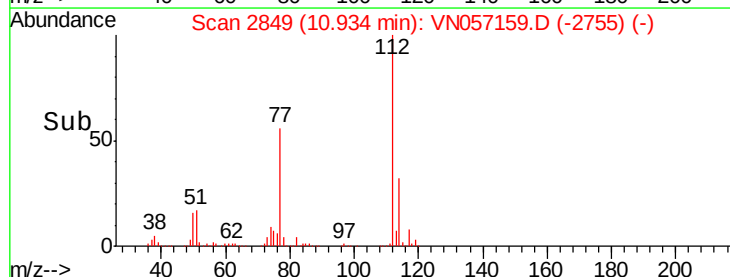
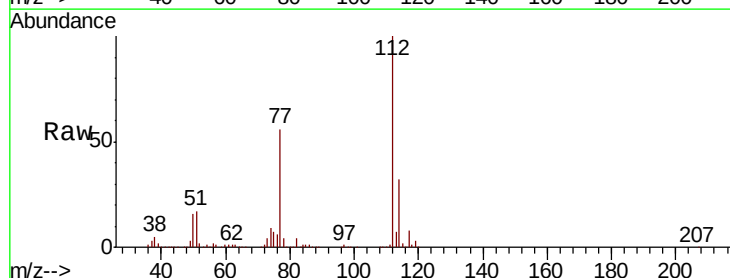
Acq: 9 Aug 2019 20:24

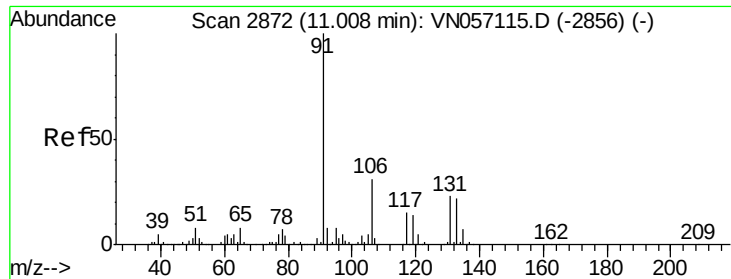
Tgt Ion:112 Resp: 1390853

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.616 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

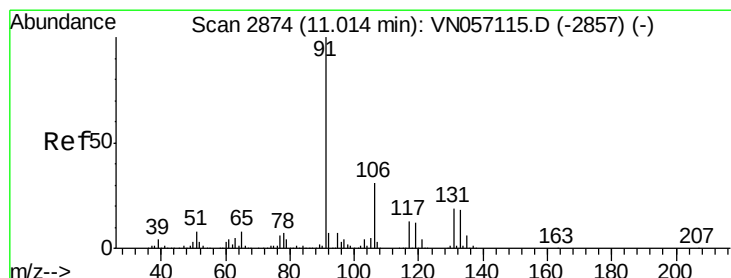
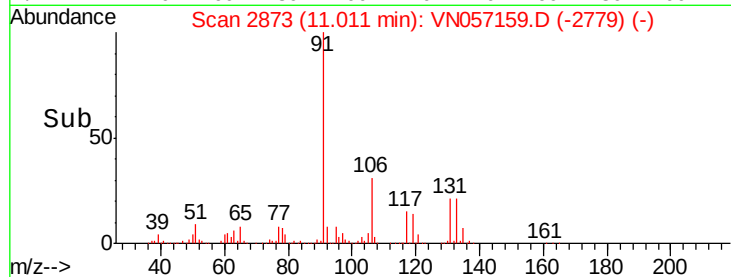
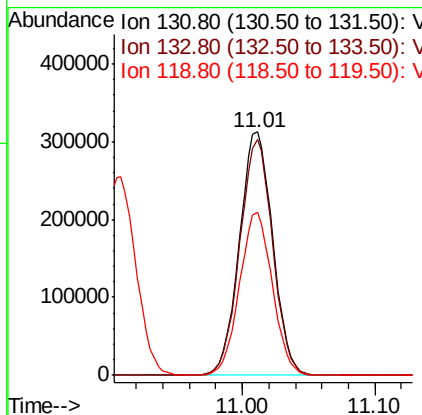
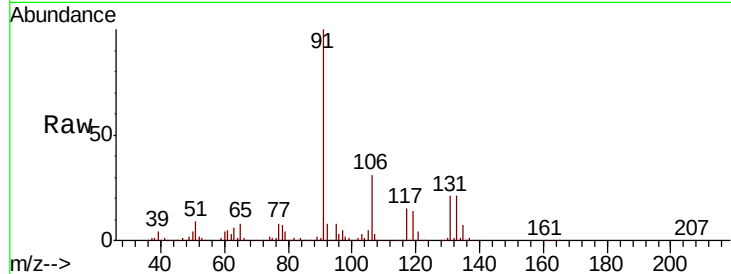
ClientSampleId :

MW-4R_080819MS

Tot Ion:	131	Resp:	543888
Ion Ratio	Lower	Upper	
131	100		
133	95.8	47.6	142.8
119	66.0	32.6	97.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.665 ug/l

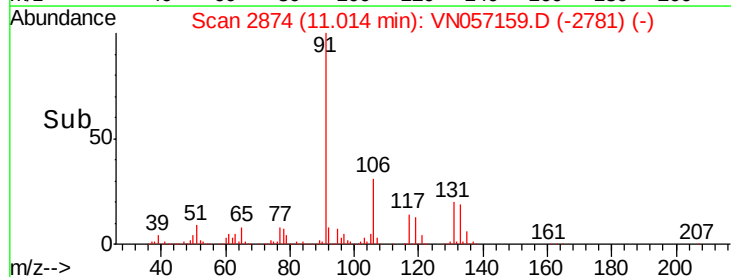
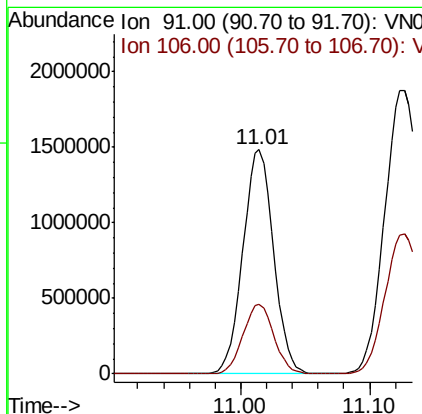
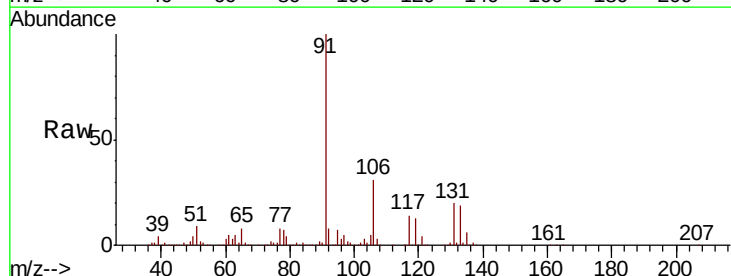
RT: 11.01 min Scan# 2874

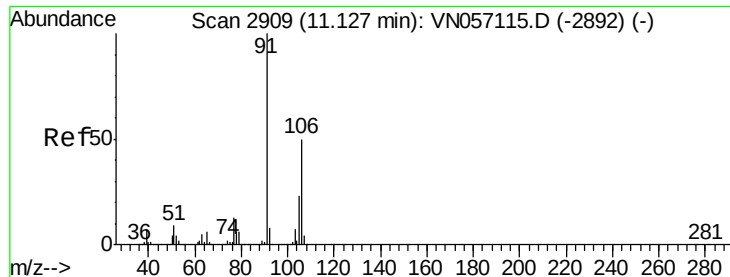
Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	91	Resp:	2457688
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.0	37.4





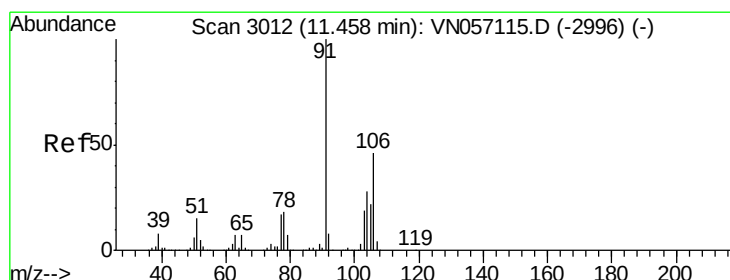
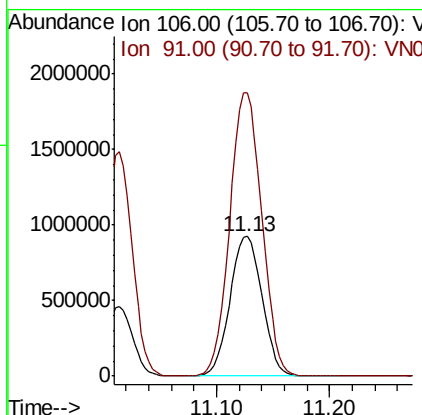
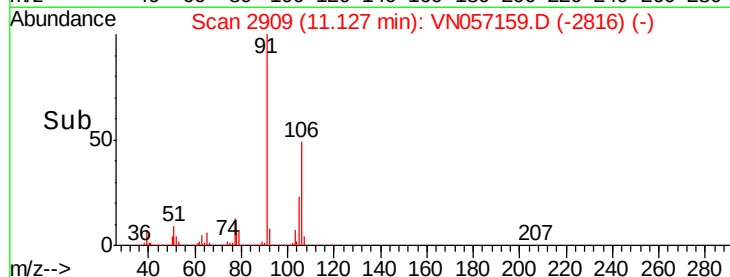
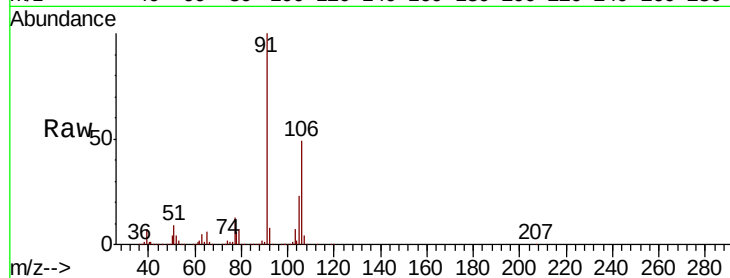
#68
m/p-Xylenes
Concen: 102.063 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion:106 Resp: 1823954
Ion Ratio Lower Upper
106 100
91 202.6 159.8 239.8

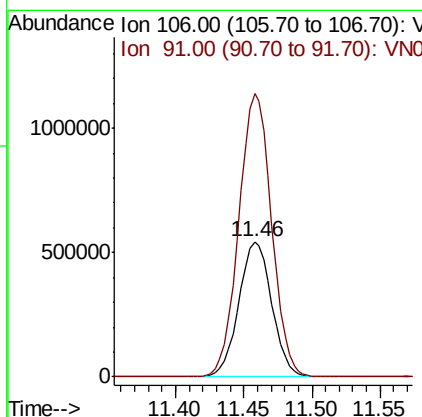
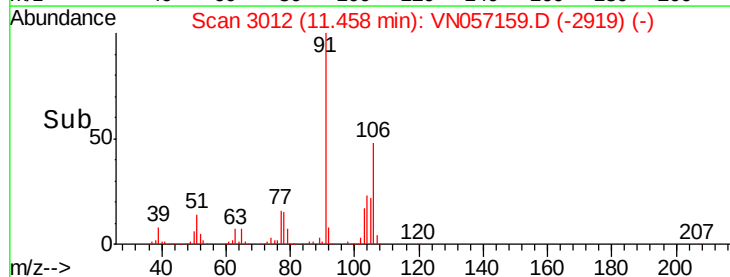
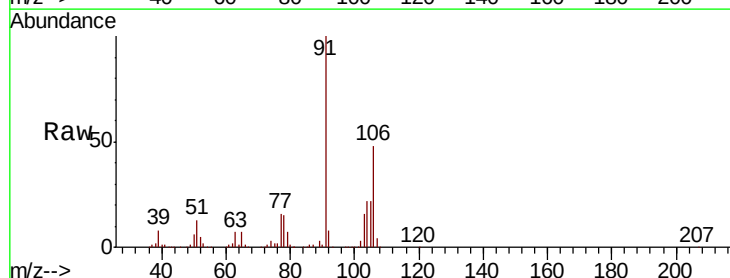
Manual Integrations
APPROVED

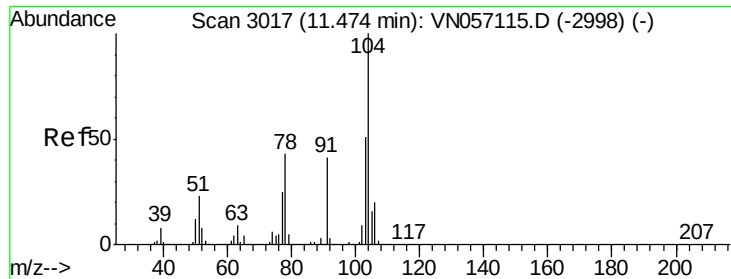
MMDadoda
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#69
o-Xylene
Concen: 51.098 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:106 Resp: 908823
Ion Ratio Lower Upper
106 100
91 208.8 106.8 320.5





#70

Stvrene

Concen: 47.045 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion:104 Resp: 1306920

Ion Ratio Lower Upper

104 100

78 49.6 38.5 57.7

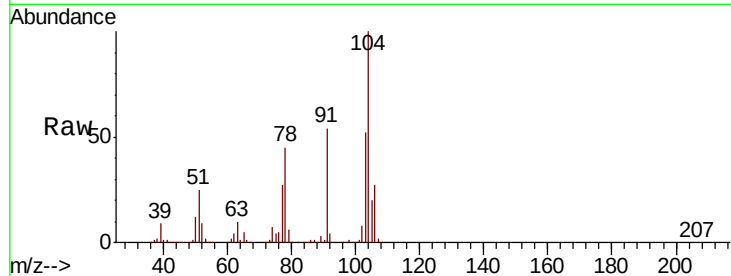
103 56.7 44.6 66.8

Manual Integrations

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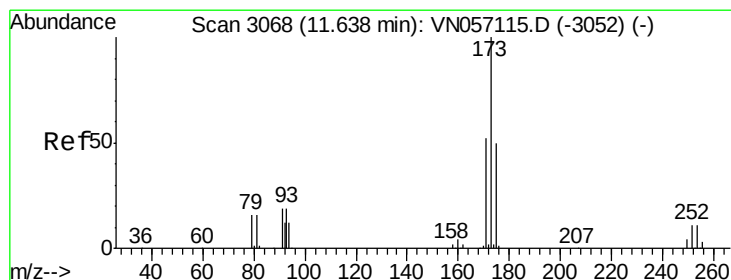
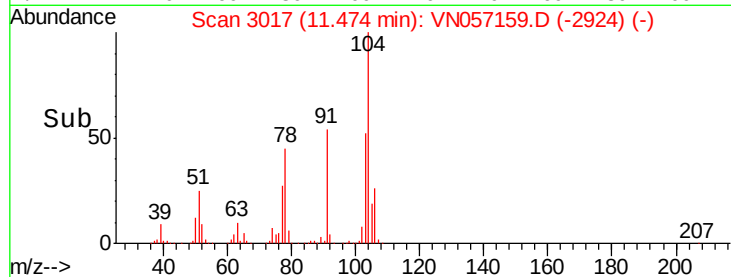
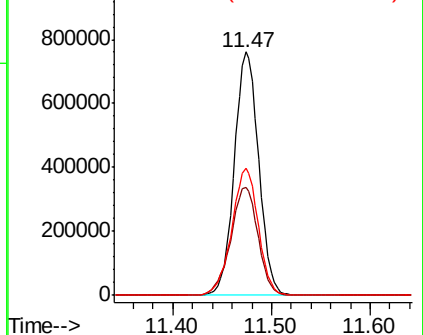
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 56.212 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

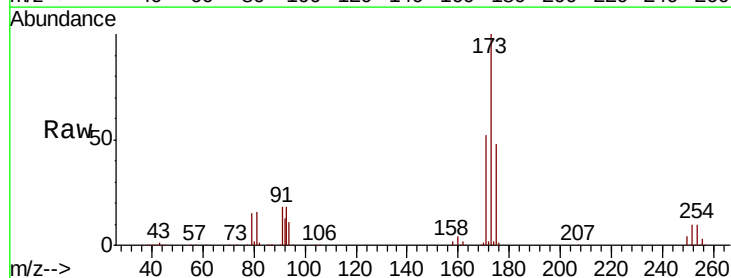
Tgt Ion:173 Resp: 433882

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

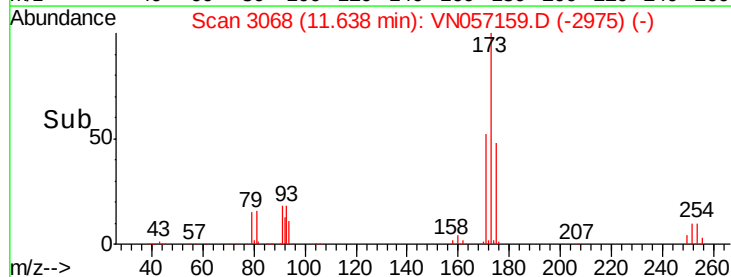
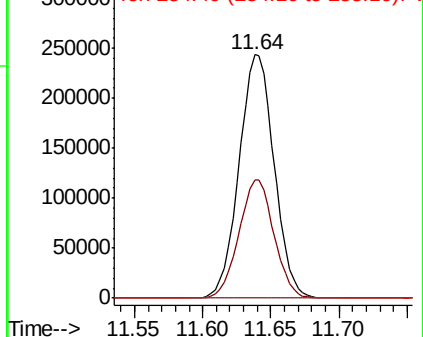
254 0.1 0.1 0.1#

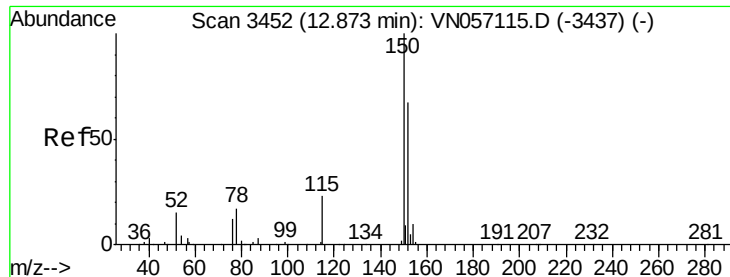


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

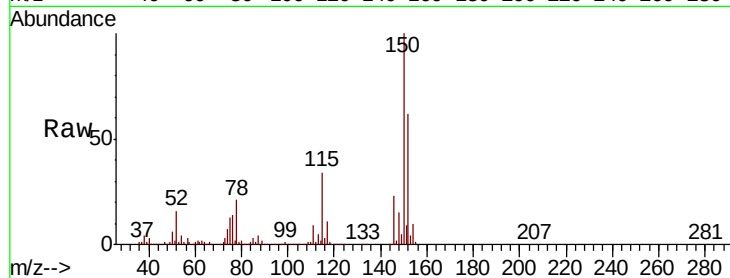
ClientSampleId :

MW-4R_080819MS

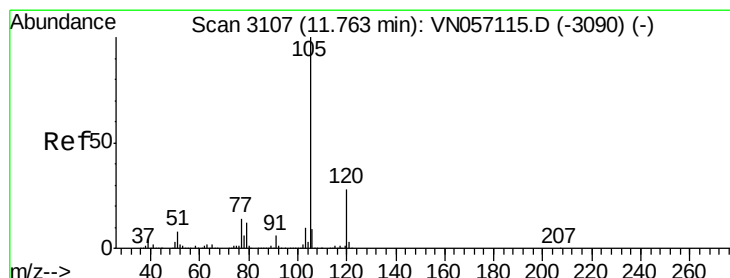
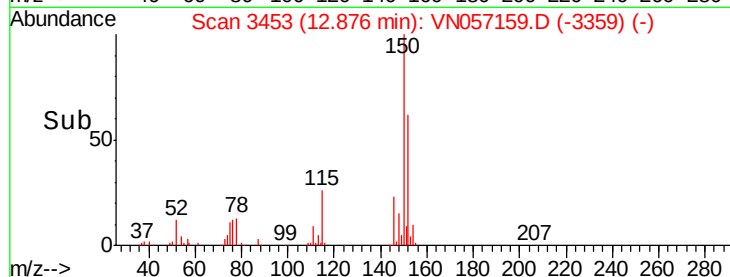
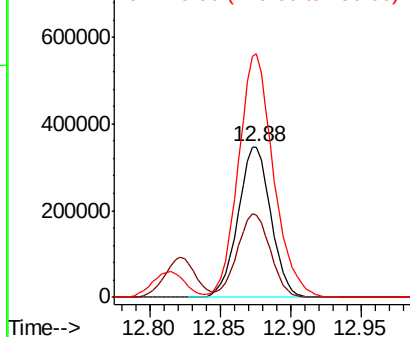
Tot Ion:	152	Resp:	564376
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.5	82.5
150	172.9	0.0	341.6

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



#73

Isopropylbenzene

Concen: 53.054 ug/l

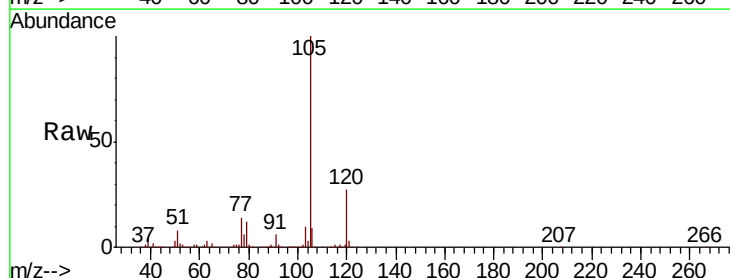
RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

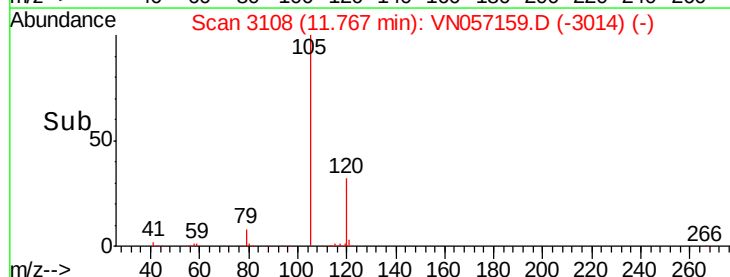
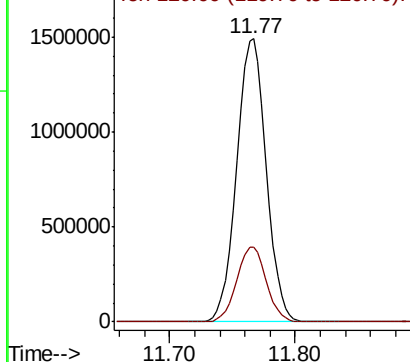
Lab File: VN057159.D

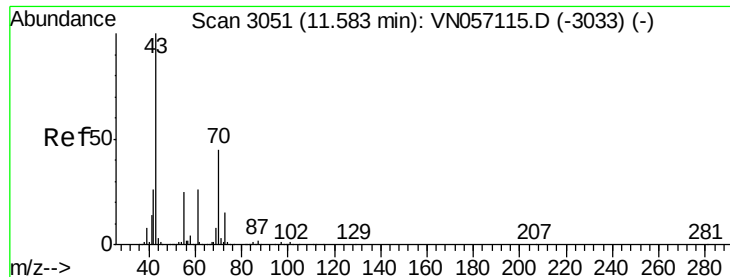
Acq: 9 Aug 2019 20:24

Tgt Ion:	105	Resp:	2431351
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.7	41.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.108 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

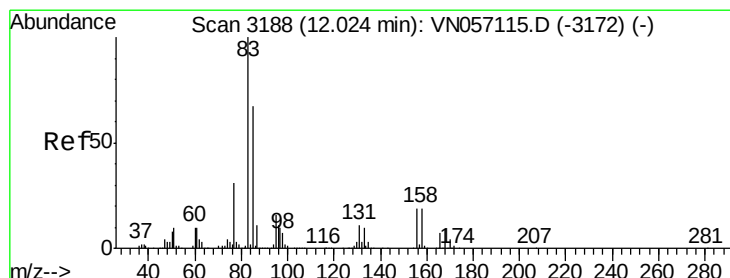
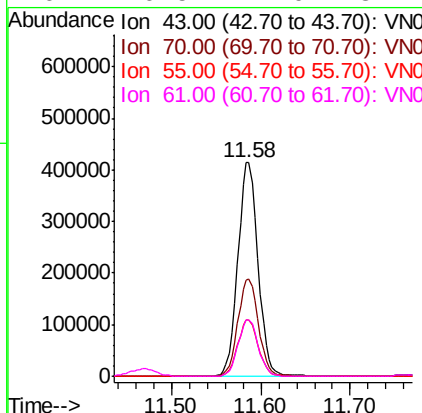
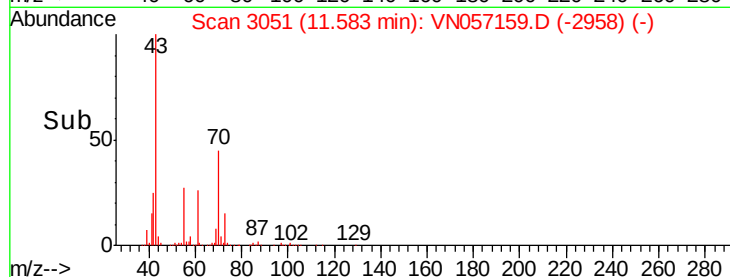
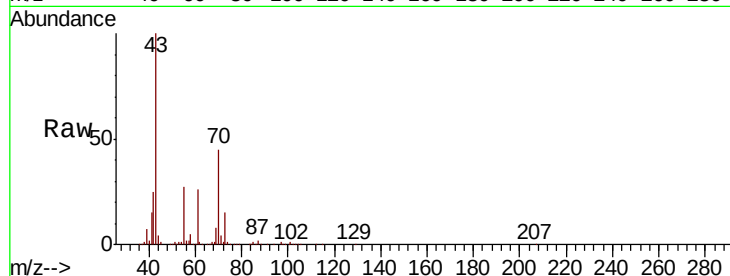
ClientSampleId :

MW-4R_080819MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	46.5	36.8	55.2	
55	27.0	20.6	31.0	
61	26.5	21.0	31.4	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 56.604 ug/l

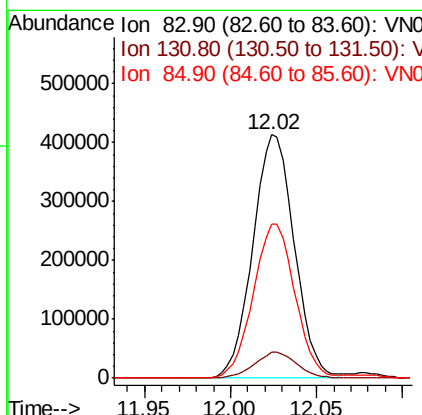
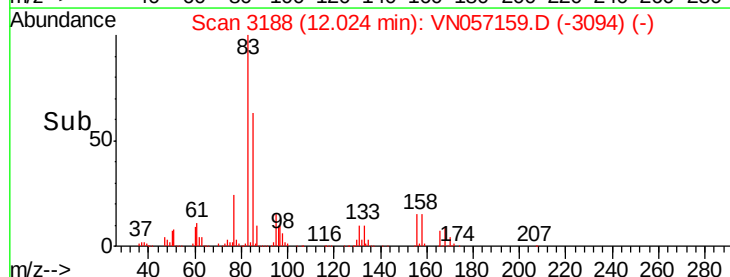
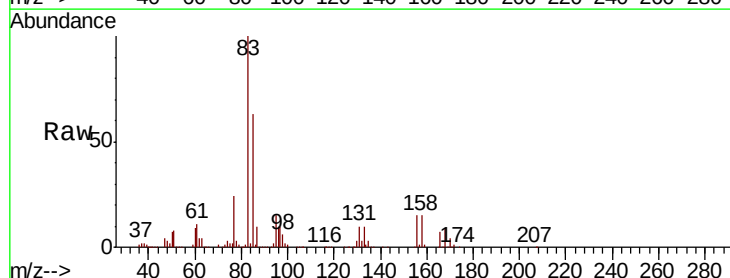
RT: 12.02 min Scan# 3188

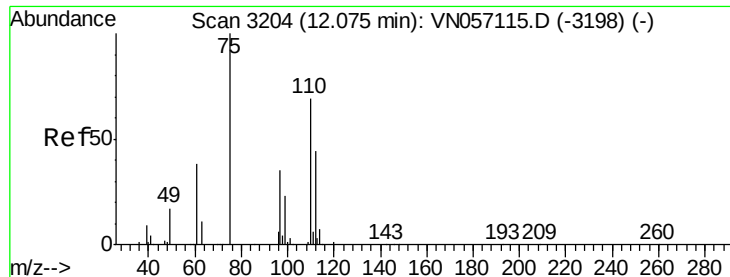
Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.9	5.5	16.4	
85	63.7	32.4	97.0	





#76

1,2,3-Trichloropropane

Concen: 50.902 ug/l m

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 75 Resp: 560099

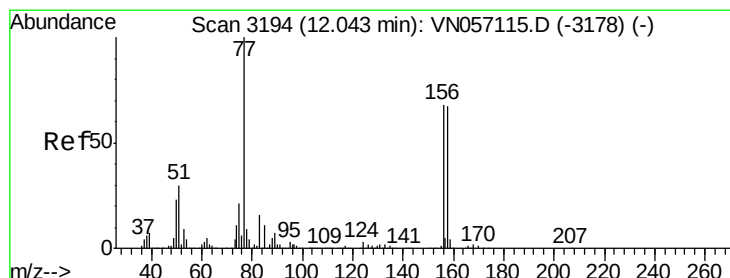
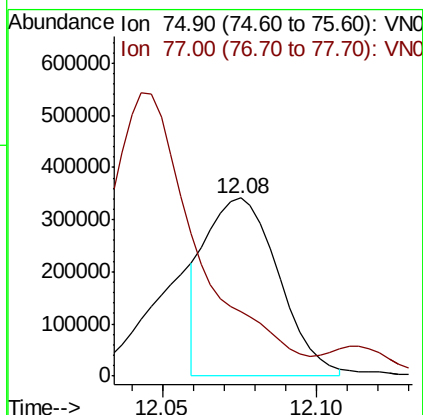
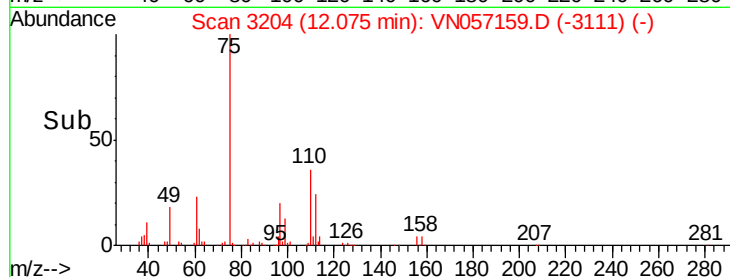
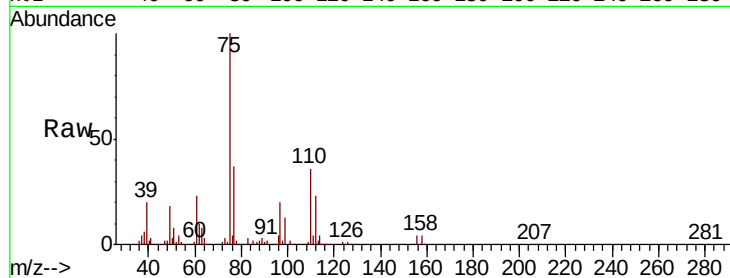
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 46.896 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

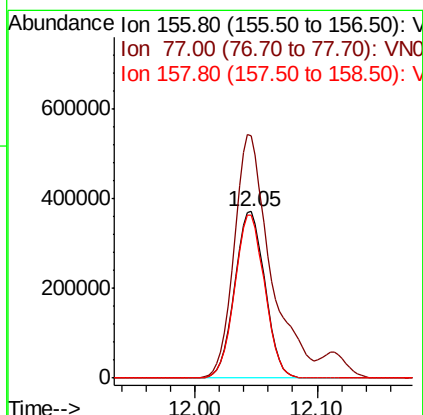
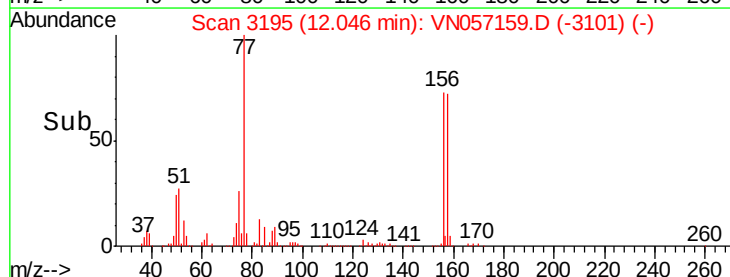
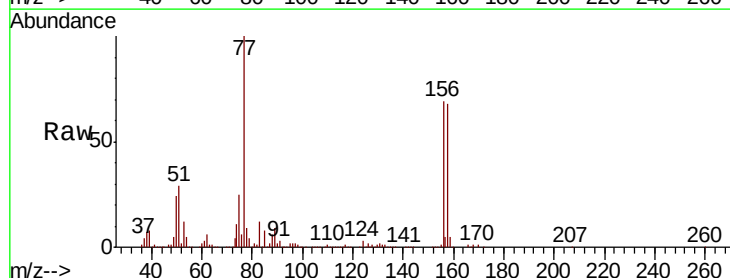
Tgt Ion: 156 Resp: 636159

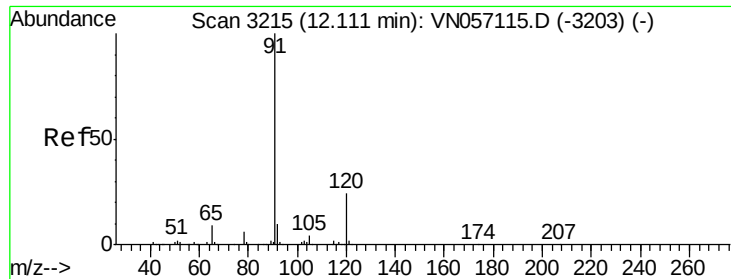
Ion Ratio Lower Upper

156 100

77 176.0 88.7 266.1

158 97.6 49.3 147.8





#78

n-propylbenzene

Concen: 46.451 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 91 Resp: 2515012

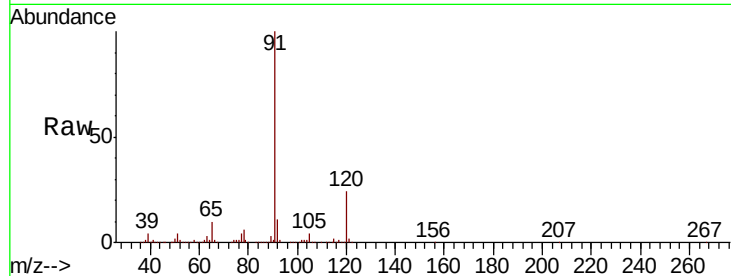
Ion Ratio Lower Upper

91 100

120 24.1 12.0 36.0

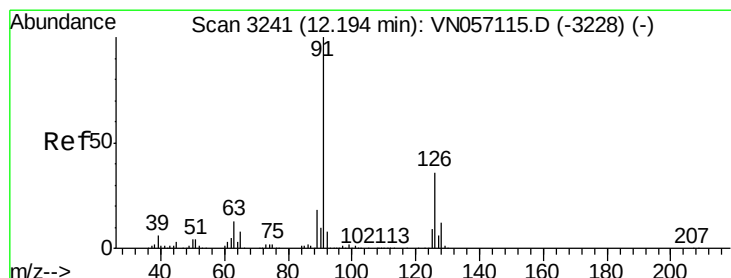
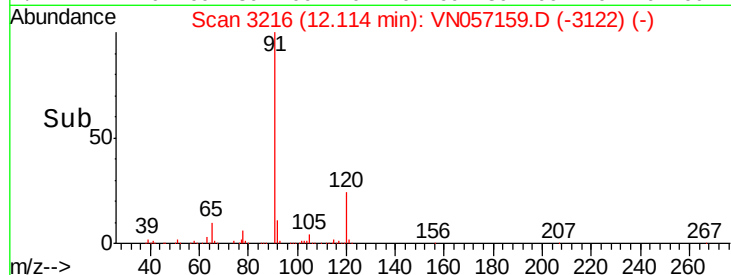
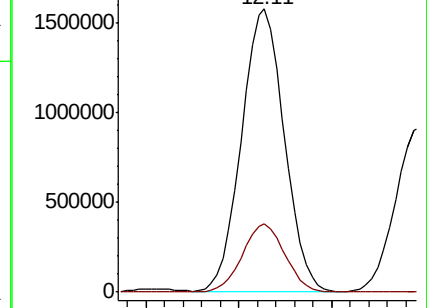
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.459 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057159.D

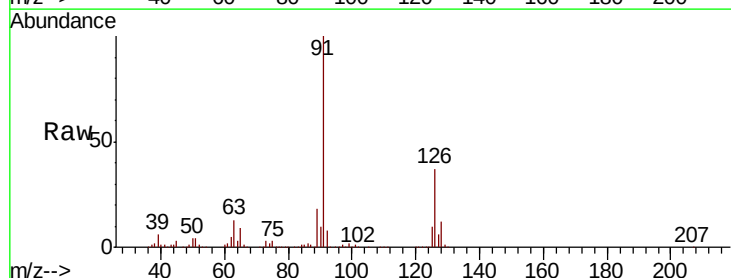
Acq: 9 Aug 2019 20:24

Tgt Ion: 91 Resp: 1550675

Ion Ratio Lower Upper

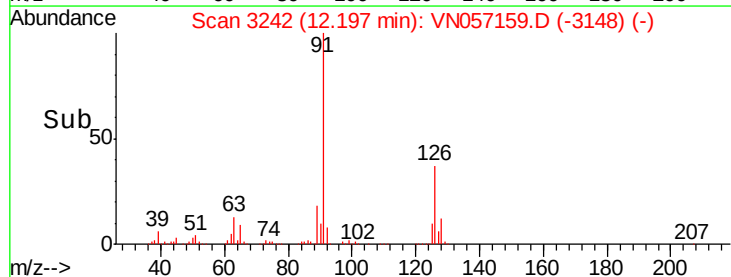
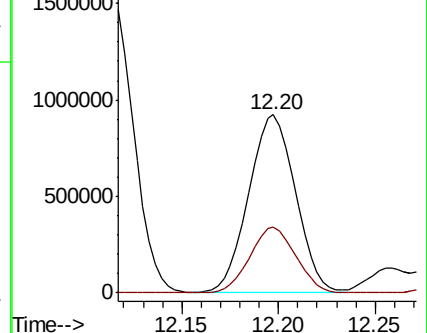
91 100

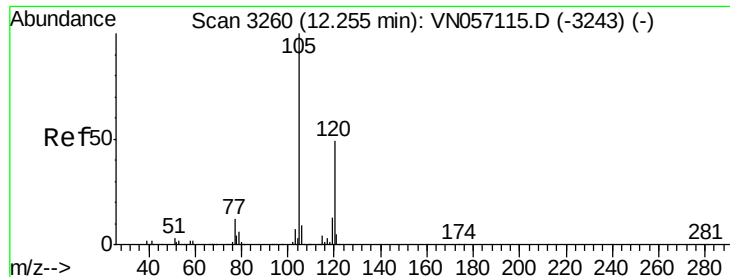
126 36.6 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 46.246 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion:105 Resp: 2014974

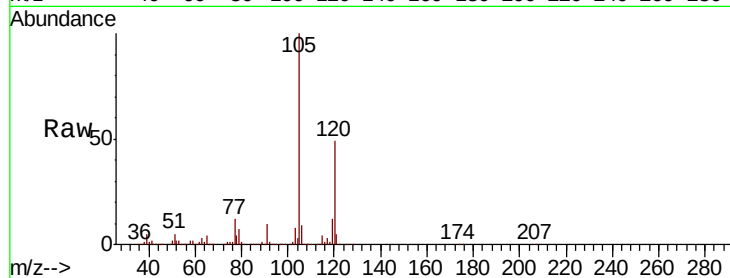
Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

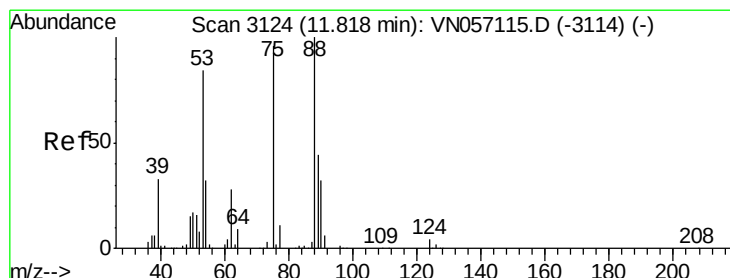
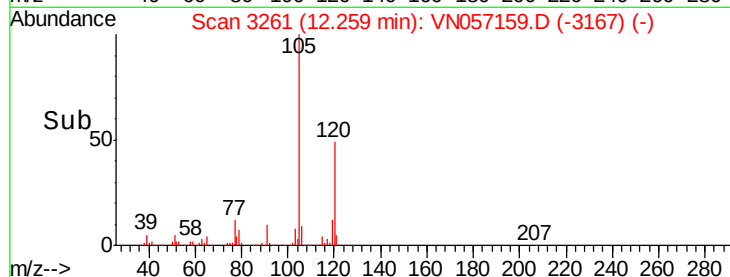
12.26

1000000

500000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 49.812 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

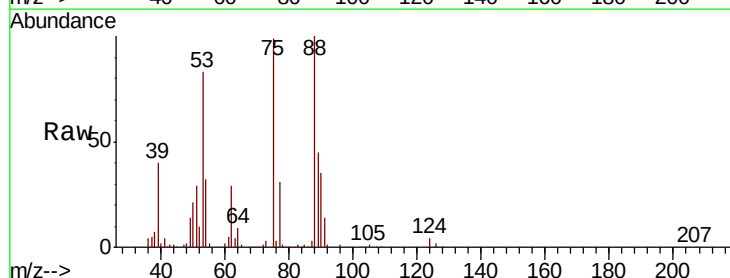
Tgt Ion: 75 Resp: 191199

Ion Ratio Lower Upper

75 100

53 84.8 70.6 106.0

89 45.7 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

200000

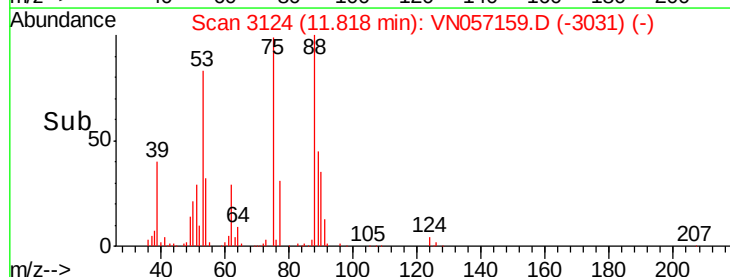
150000

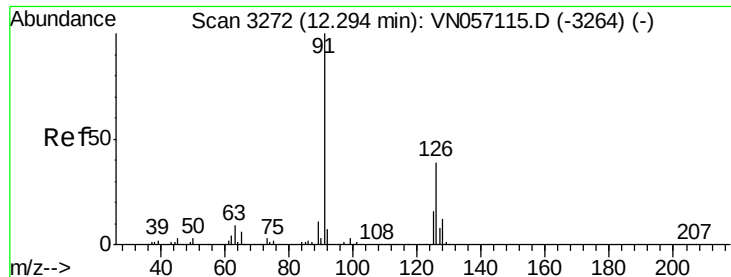
100000

50000

0

Time-->





#82

4-Chlorotoluene

Concen: 47.167 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

Tot Ion: 91 Resp: 1478671

Ion Ratio Lower Upper

91 100

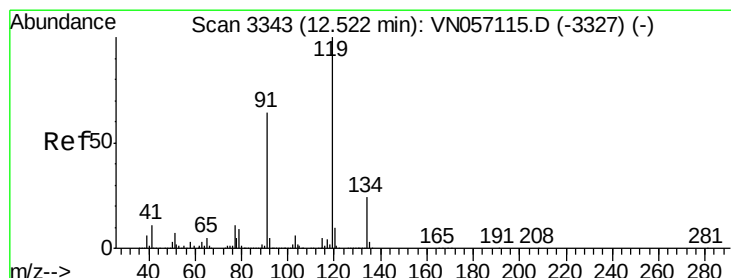
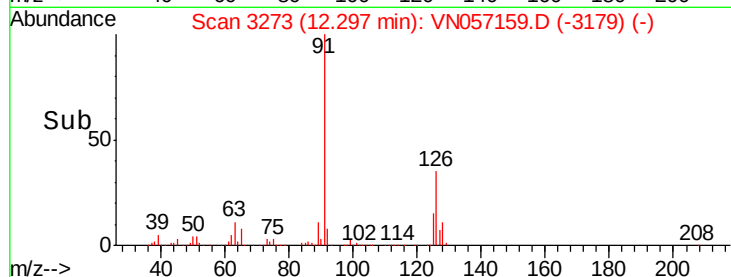
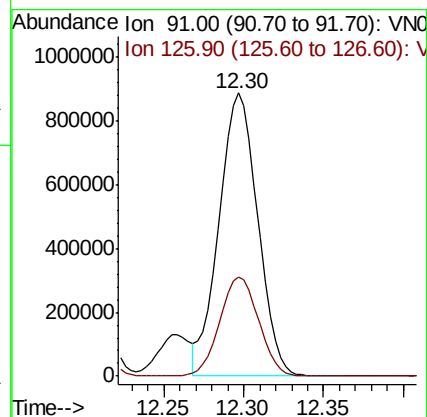
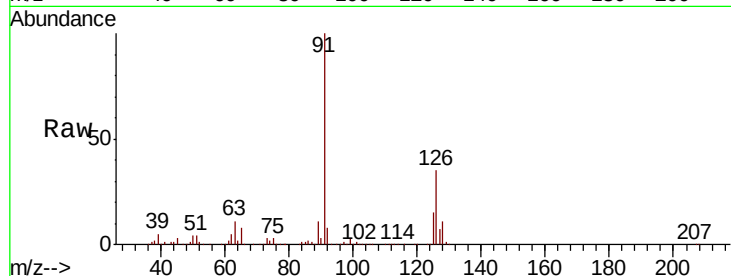
126 35.0 17.9 53.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 52.654 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

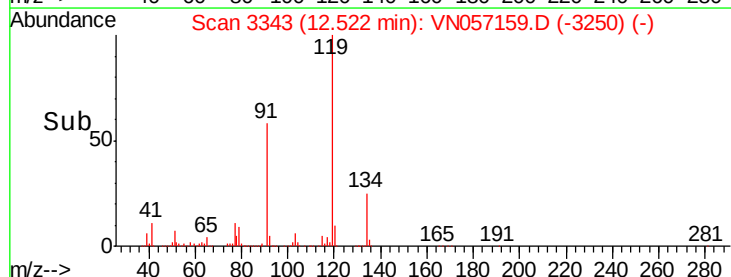
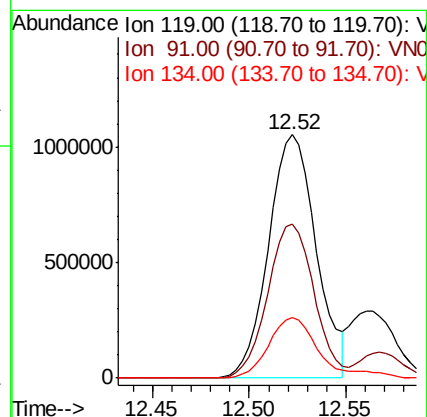
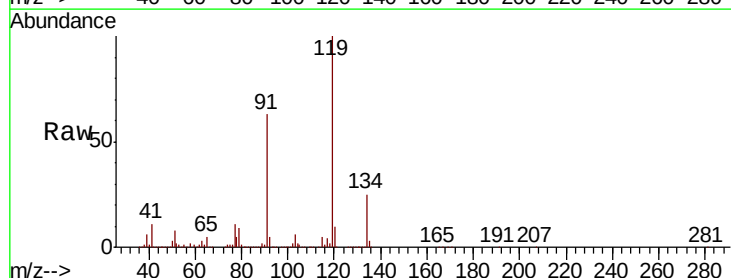
Tgt Ion: 119 Resp: 1804720

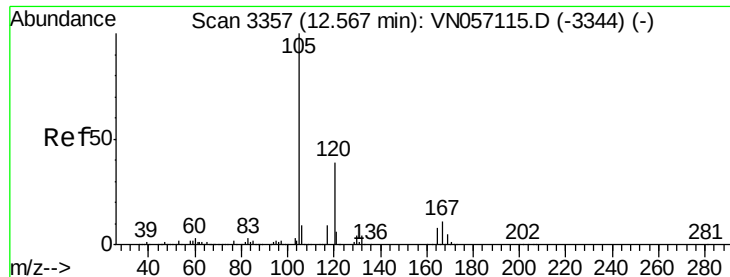
Ion Ratio Lower Upper

119 100

91 61.8 31.4 94.2

134 26.4 13.2 39.6





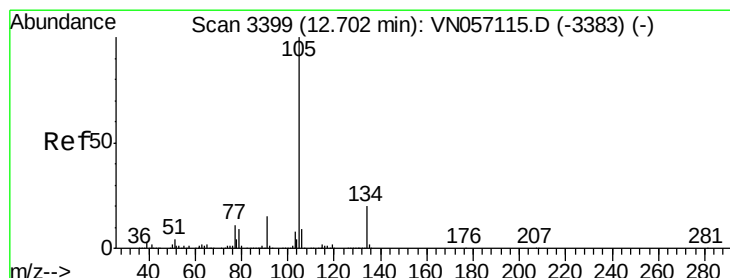
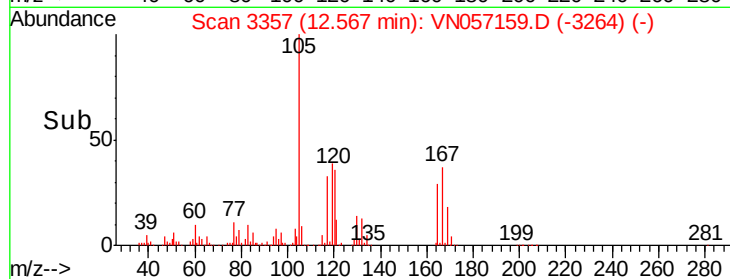
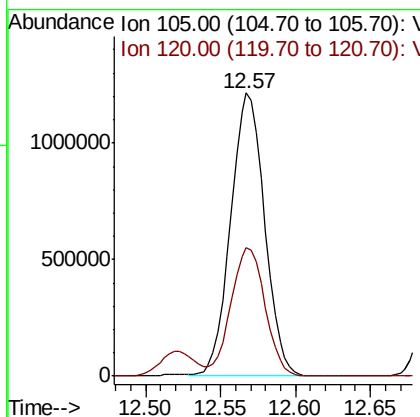
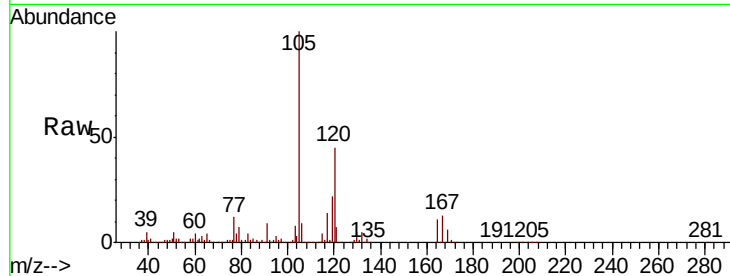
#84
 1,2,4-Trimethylbenzene
 Concen: 45.487 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion:105 Resp: 1915671
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.3 69.8

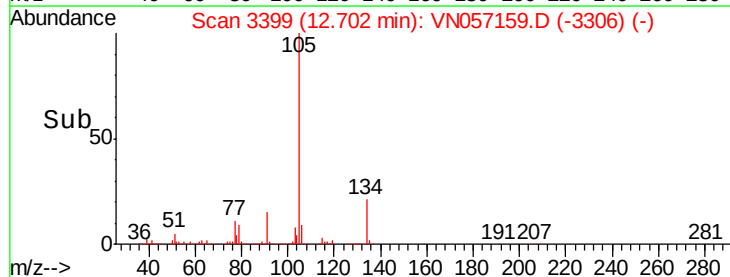
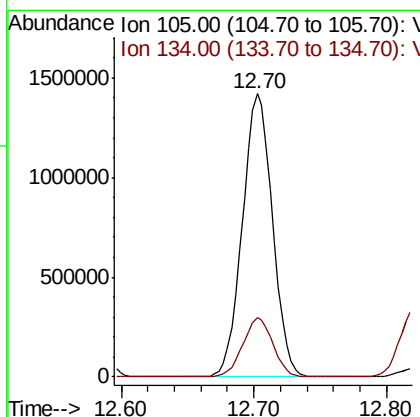
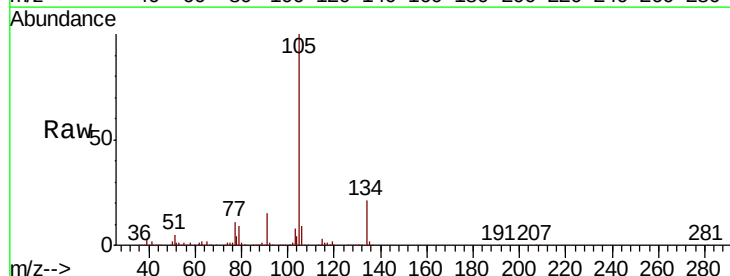
Manual Integrations
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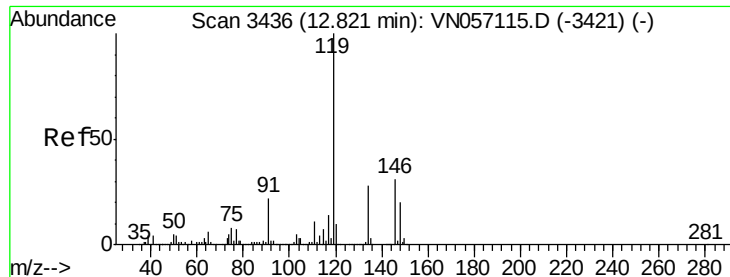
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#85
 sec-Butylbenzene
 Concen: 45.328 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion:105 Resp: 2228835
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.4





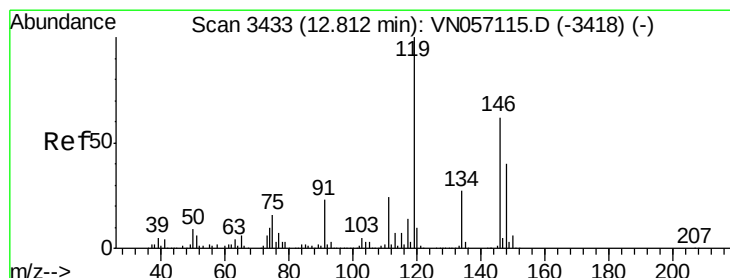
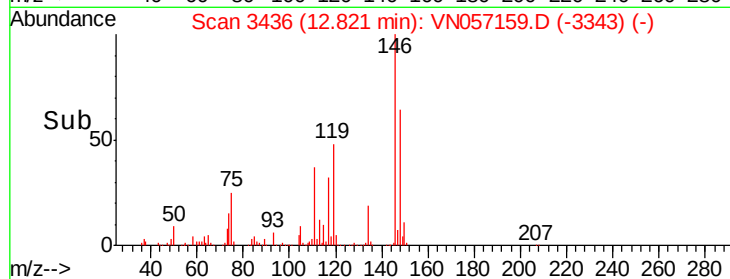
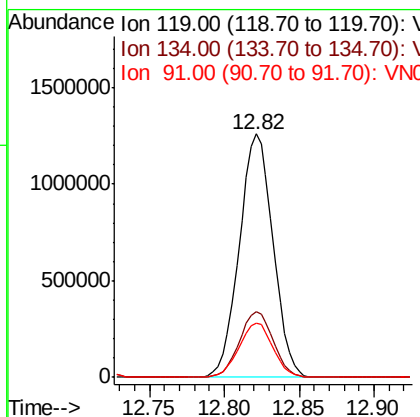
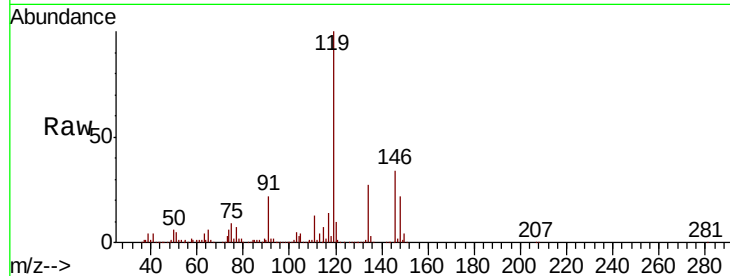
#86
 p-Isopropyltoluene
 Concen: 45.681 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.8	41.3
91	22.3	11.0	33.0

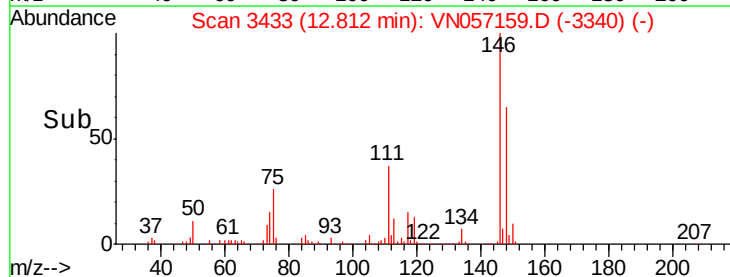
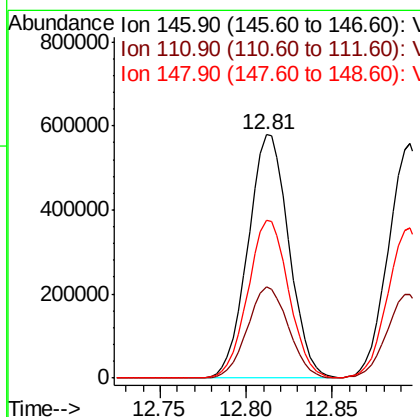
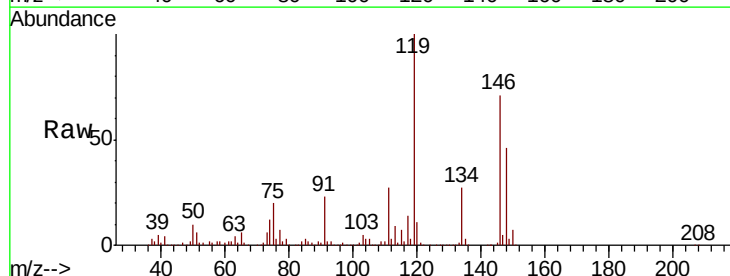
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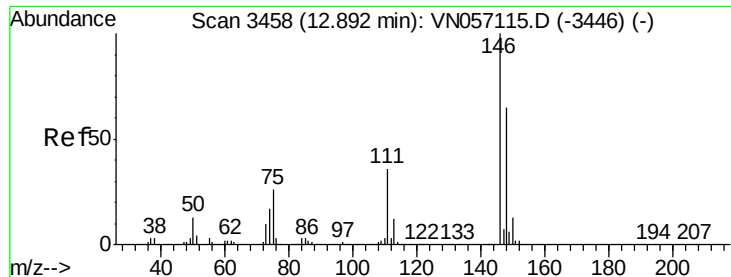
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#87
 1,3-Dichlorobenzene
 Concen: 49.468 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.7	32.4	97.0





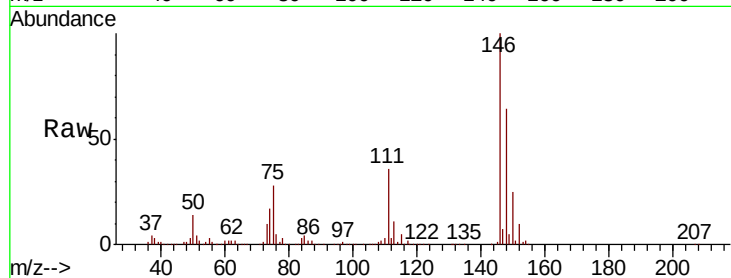
#88
 1,4-Dichlorobenzene
 Concen: 49.370 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	64.9	32.0	96.2

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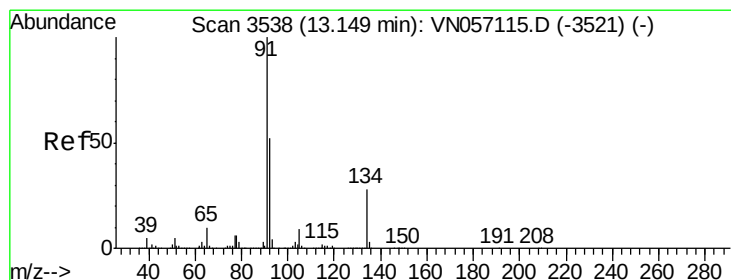
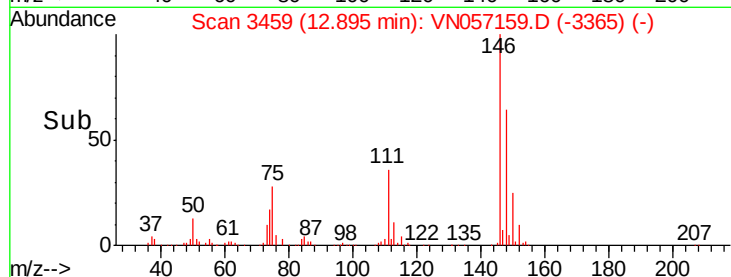
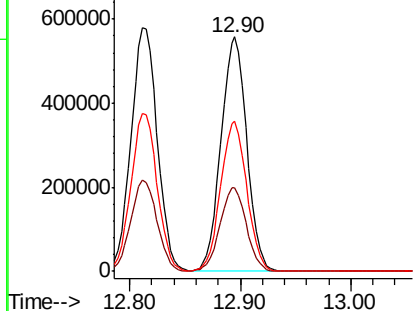


Abundance

Ion 145.90 (145.60 to 146.60): V

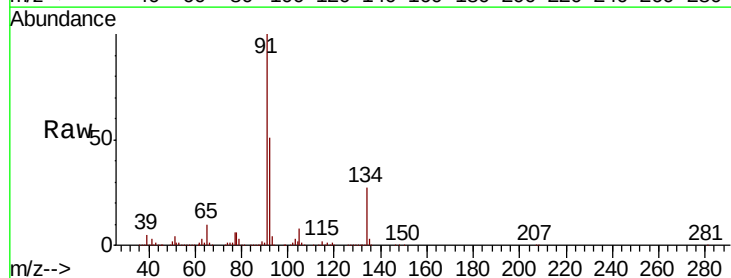
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89
 n-Butylbenzene
 Concen: 47.510 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.4
134	27.2	14.1	42.3

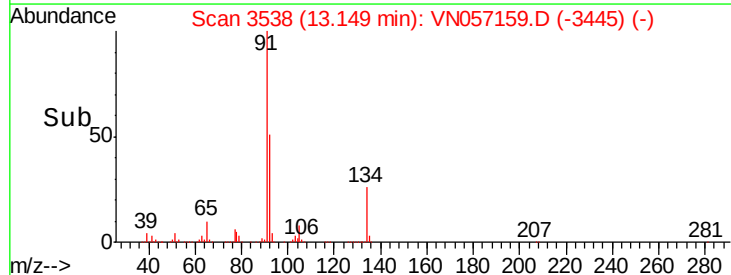
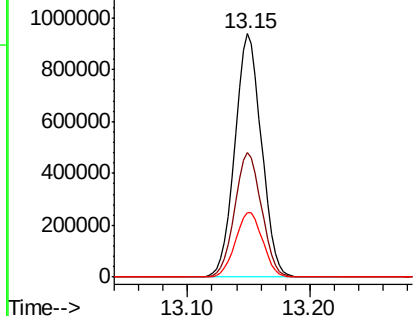


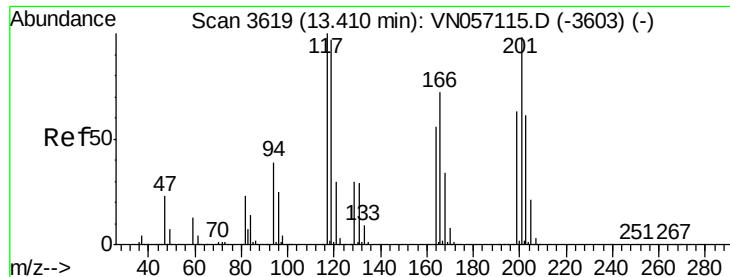
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





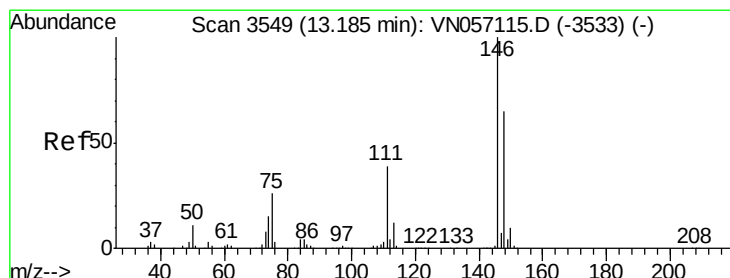
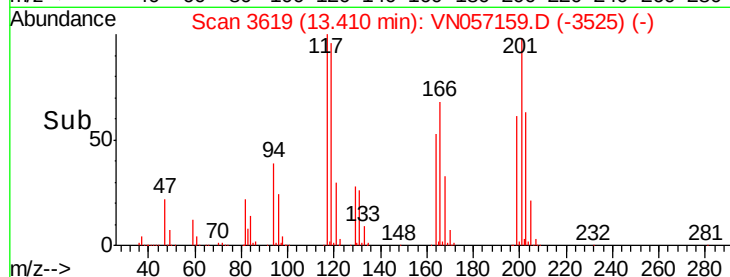
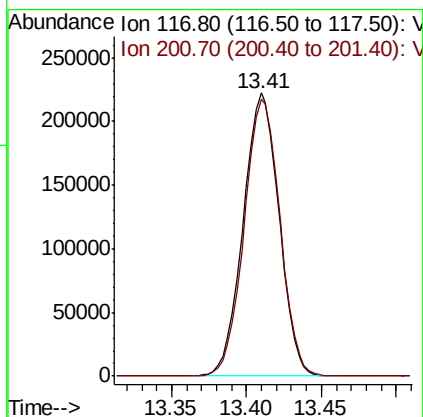
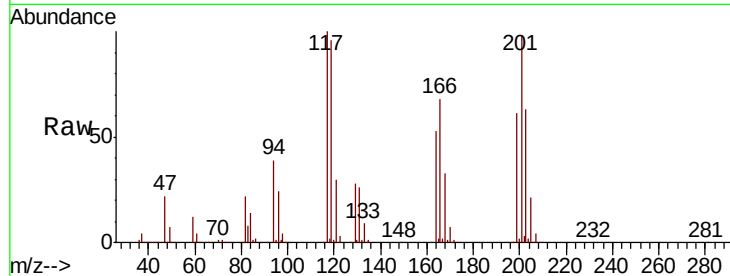
#90
Hexachloroethane
Concen: 54.211 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tot Ion:117 Resp: 371256
Ion Ratio Lower Upper
117 100
201 97.5 49.3 147.8

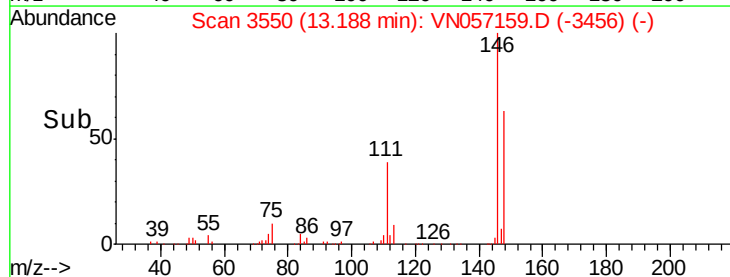
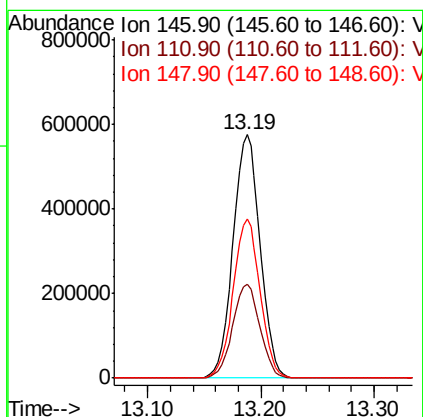
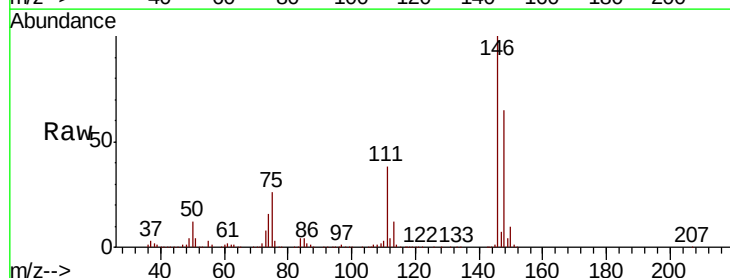
Manual Integrations
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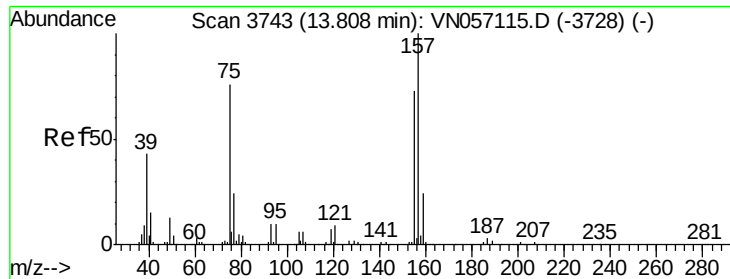
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#91
1,2-Dichlorobenzene
Concen: 49.799 ug/l
RT: 13.19 min Scan# 3550
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:146 Resp: 960399
Ion Ratio Lower Upper
146 100
111 38.8 19.2 57.6
148 64.6 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.773 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

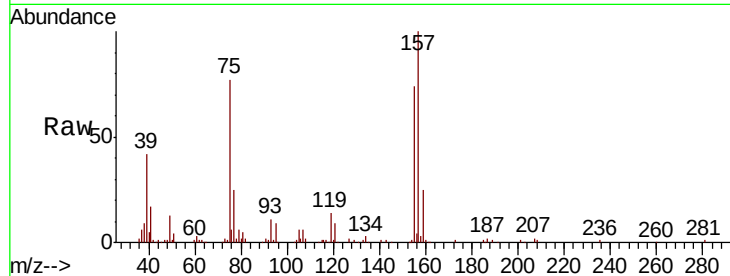
ClientSampleId :

MW-4R_080819MS

Tot Ion:	75	Resp:	96762
Ion	Ratio	Lower	Upper
75	100		
155	97.3	49.3	147.9
157	127.6	65.3	195.8

Manual Integrations
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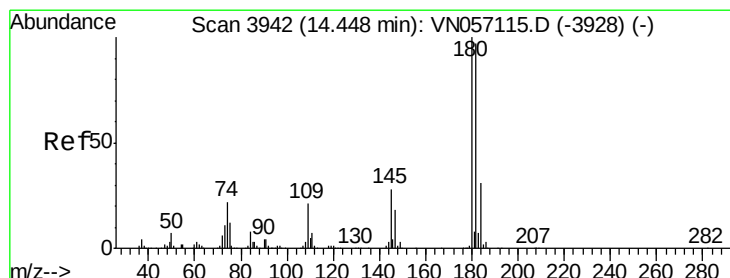
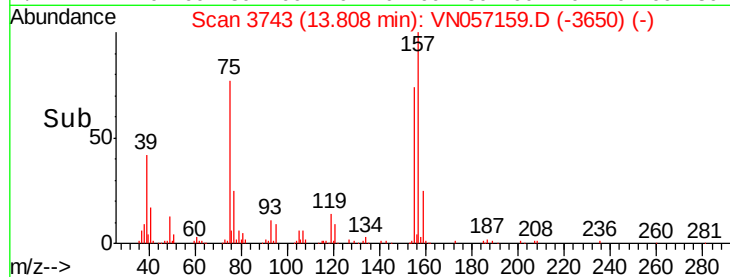
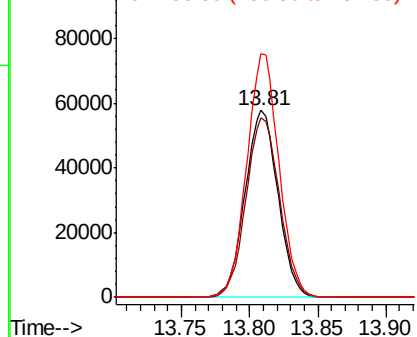


Abundance

Ion 74.90 (74.60 to 75.60): VN057115.D (-3728) (-)

Ion 154.80 (154.50 to 155.50): VN057115.D (-3728) (-)

Ion 156.80 (156.50 to 157.50): VN057115.D (-3728) (-)



#93

1,2,4-Trichlorobenzene

Concen: 44.786 ug/l

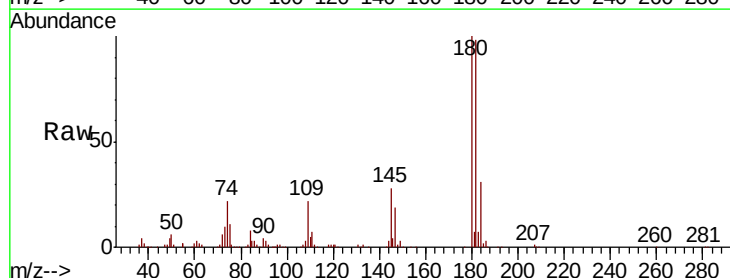
RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:	180	Resp:	360580
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	27.7	14.1	42.2

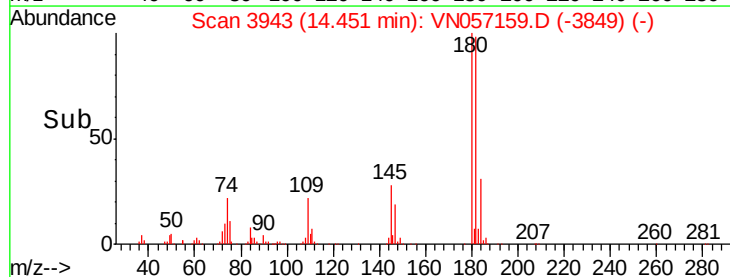
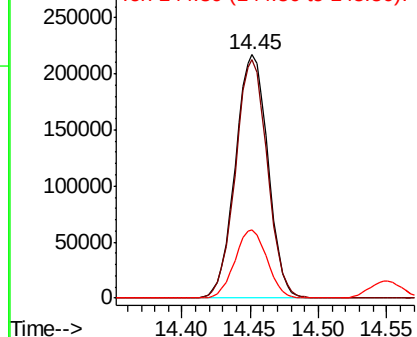


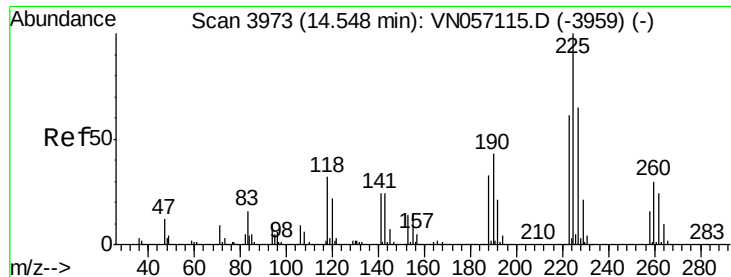
Abundance

Ion 179.80 (179.50 to 180.50): VN057115.D (-3928) (-)

Ion 181.80 (181.50 to 182.50): VN057115.D (-3928) (-)

Ion 144.80 (144.50 to 145.50): VN057115.D (-3928) (-)





#94

Hexachlorobutadiene

Concen: 53.528 ug/l

RT: 14.55 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

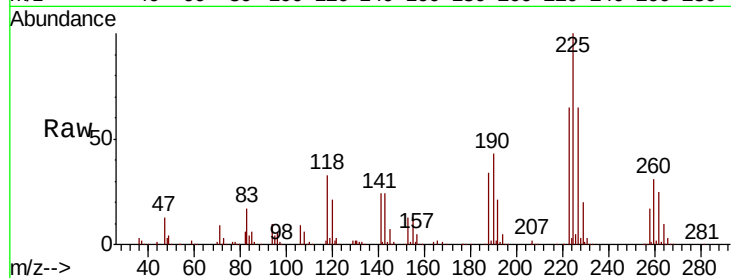
ClientSampleId :

MW-4R_080819MS

Tot Ion:	225	Resp:	358477
Ion Ratio		Lower	Upper
225	100		
223	64.3	30.9	92.8
227	65.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:12:08 PM

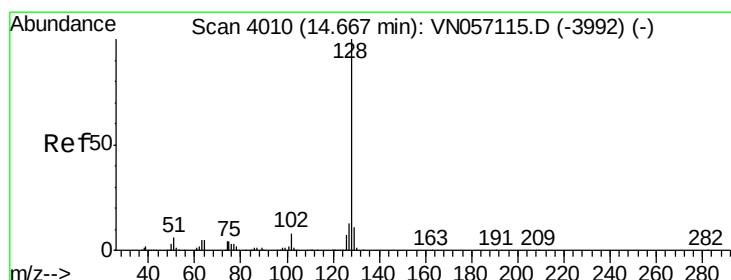
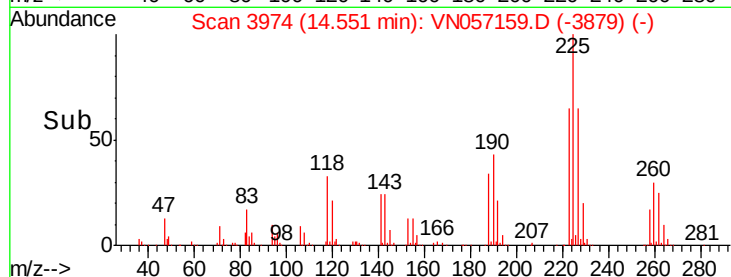
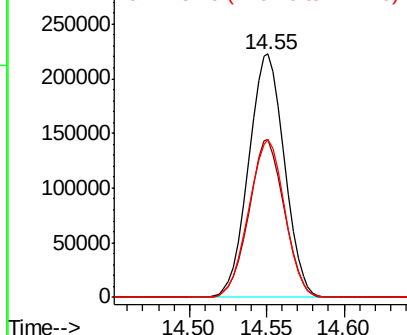


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 42.783 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

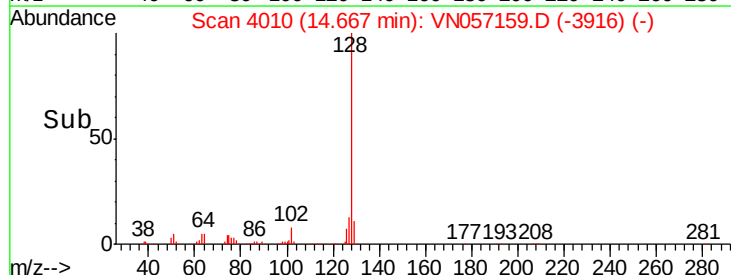
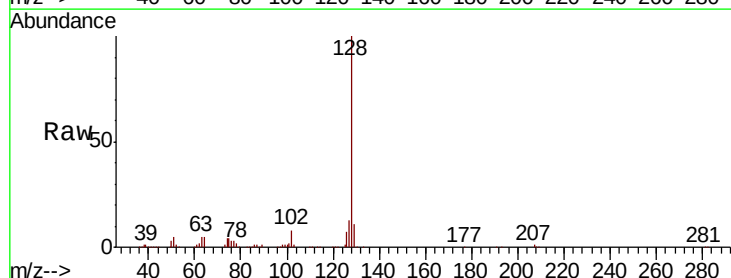
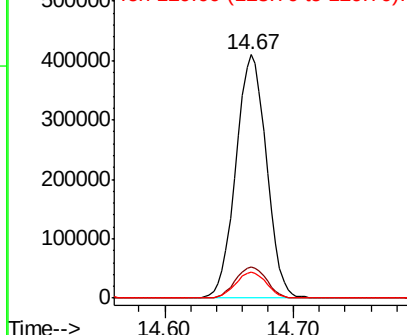
Tgt Ion:	128	Resp:	676466
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.8	13.2

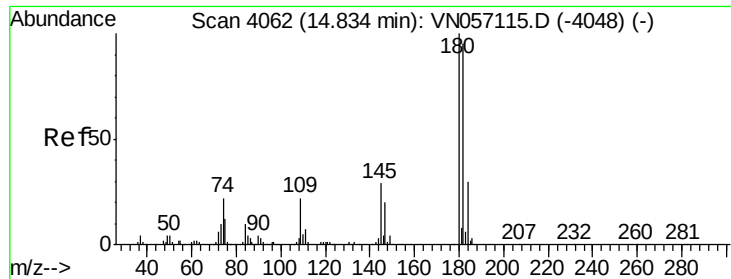
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 41.843 ug/l
 RT: 14.83 min Scan# 4062
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	345051		
182	95.6		48.3	144.8
145	29.4		14.9	44.5

Manual Integrations
 APPROVED

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 8/12/2019 3:12:08 PM

