

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053039.D
 Acq On : 20 Dec 2018 4:37
 Operator : MD\SY
 Sample : J6411-07MS 10X
 Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 46 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 12:13:05 PM

Quant Time: Dec 20 08:02:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	943742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1491062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1332611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	628656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	575153	60.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.10%	
35) Dibromofluoromethane	7.59	113	443922	65.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.36%	
50) Toluene-d8	10.09	98	1923956	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	915735	71.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	415019	43.451	ug/l	100
3) Chloromethane	2.06	50	600443	51.877	ug/l	100
4) Vinyl Chloride	2.19	62	564073	48.121	ug/l	99
5) Bromomethane	2.56	94	385728	47.495	ug/l	99
6) Chloroethane	2.71	64	342113	49.279	ug/l	98
7) Trichlorofluoromethane	3.02	101	658304	45.081	ug/l	100
8) Diethyl Ether	3.41	74	320685	58.212	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	413762	44.440	ug/l	97
10) Methyl Iodide	3.96	142	701206	53.629	ug/l	99
11) Tert butyl alcohol	4.78	59	164441	281.402	ug/l	99
12) 1,1-Dichloroethene	3.74	96	422074	46.923	ug/l	98
13) Acrolein	3.61	56	177516	335.021	ug/l	100
14) Allyl chloride	4.33	41	694233	49.826	ug/l	98
15) Acrylonitrile	4.99	53	936715	288.537	ug/l	100
16) Acetone	3.82	43	580157	308.958	ug/l	96
17) Carbon Disulfide	4.06	76	1153381	39.317	ug/l	99
18) Methyl Acetate	4.32	43	484615	56.725	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1401857	58.237	ug/l	99
20) Methylene Chloride	4.55	84	552859	53.974	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	466186	48.237	ug/l	97
22) Diisopropyl ether	5.95	45	1708104	57.434	ug/l	98
23) Vinyl Acetate	5.90	43	4934429	288.535	ug/l	98
24) 1,1-Dichloroethane	5.85	63	929779	52.611	ug/l	99
25) 2-Butanone	6.83	43	972953	308.738	ug/l	98
26) 2,2-Dichloropropane	6.82	77	509692	37.781	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	569109	52.015	ug/l	97
28) Bromochloromethane	7.19	49	436165	56.956	ug/l	95
29) Tetrahydrofuran	7.21	42	684788	290.944	ug/l	98
30) Chloroform	7.37	83	906249	52.201	ug/l	100
31) Cyclohexane	7.65	56	754755	45.441	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	698950	47.261	ug/l	99
36) 1,1-Dichloropropene	7.80	75	633964	44.297	ug/l	100
37) Ethyl Acetate	6.93	43	452817	56.677	ug/l	98
38) Carbon Tetrachloride	7.77	117	573362	43.708	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	815609	46.913	ug/l	98
40) Benzene	8.04	78	2094554	49.203	ug/l	99
41) Methacrylonitrile	7.18	41	278185	60.262	ug/l	92
42) 1,2-Dichloroethane	8.12	62	661963	52.638	ug/l	99
43) Isopropyl Acetate	8.16	43	862161	55.887	ug/l	99
44) Trichloroethene	8.84	130	566200	45.985	ug/l	98
45) 1,2-Dichloropropane	9.12	63	579879	52.297	ug/l	99
46) Dibromomethane	9.21	93	337948	52.319	ug/l	98
47) Bromodichloromethane	9.40	83	696248	50.708	ug/l	100
48) Methyl methacrylate	9.20	41	423396	54.613	ug/l	98
49) 1,4-Dioxane	9.20	88	100692	1026.751	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	2242536	289.840	ug/l	98
52) Toluene	10.16	92	1256079	47.604	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	696664	48.252	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	812140	49.005	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	641019	69.637	ug/l	98
56) Ethyl methacrylate	10.43	69	813919	66.803	ug/l	96
57) 1,3-Dichloropropane	10.71	76	853275	54.055	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1891081	282.717	ug/l	98
59) 2-Hexanone	10.75	43	1416455	270.583	ug/l	91
60) Dibromochloromethane	10.90	129	534438	50.720	ug/l	99
61) 1,2-Dibromoethane	11.01	107	497946	53.263	ug/l	99
64) Tetrachloroethene	10.63	164	664983	46.067	ug/l	100
65) Chlorobenzene	11.43	112	1408615	47.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	507163	49.371	ug/l	99
67) Ethyl Benzene	11.51	91	2371472	46.681	ug/l	100
68) m/p-Xylenes	11.62	106	1779376	92.136	ug/l	100
69) o-Xylene	11.95	106	863510	46.596	ug/l	96
70) Styrene	11.96	104	1437753	47.579	ug/l	99
71) Bromoform	12.13	173	352916	47.556	ug/l #	100
73) Isopropylbenzene	12.25	105	4247697	86.358	ug/l	99
74) N-amyl acetate	12.05	43	4300336	314.903	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.51	83	917979	95.130	ug/l	86
76) 1,2,3-Trichloropropane	12.55	75	484608m	45.792	ug/l	
77) Bromobenzene	12.53	156	582427	45.553	ug/l	94
78) n-propylbenzene	12.59	91	4181593	74.645	ug/l	100
79) 2-Chlorotoluene	12.68	91	1565591	45.087	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1668710	41.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	143301	43.644	ug/l #	62
82) 4-Chlorotoluene	12.77	91	1436990	42.276	ug/l	91
83) tert-Butylbenzene	12.99	119	1828889	51.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	6546568	162.433	ug/l	99
85) sec-Butylbenzene	13.17	105	5032985	104.943	ug/l	84
86) p-Isopropyltoluene	13.29	119	2372148	57.242	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	887978	39.240	ug/l #	68
88) 1,4-Dichlorobenzene	13.36	146	882941	38.529	ug/l #	72
89) n-Butylbenzene	13.62	91	3406826	95.557	ug/l #	87
90) Hexachloroethane	13.89	117	616442	96.933	ug/l #	39
91) 1,2-Dichlorobenzene	13.65	146	854541	40.124	ug/l #	64
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93290	55.913	ug/l	78

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534203	47.375	ug/l #	87
94) Hexachlorobutadiene	15.01	225	387656	67.350	ug/l	99
95) Naphthalene	15.13	128	1198806	48.535	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	489058	48.150	ug/l	95

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

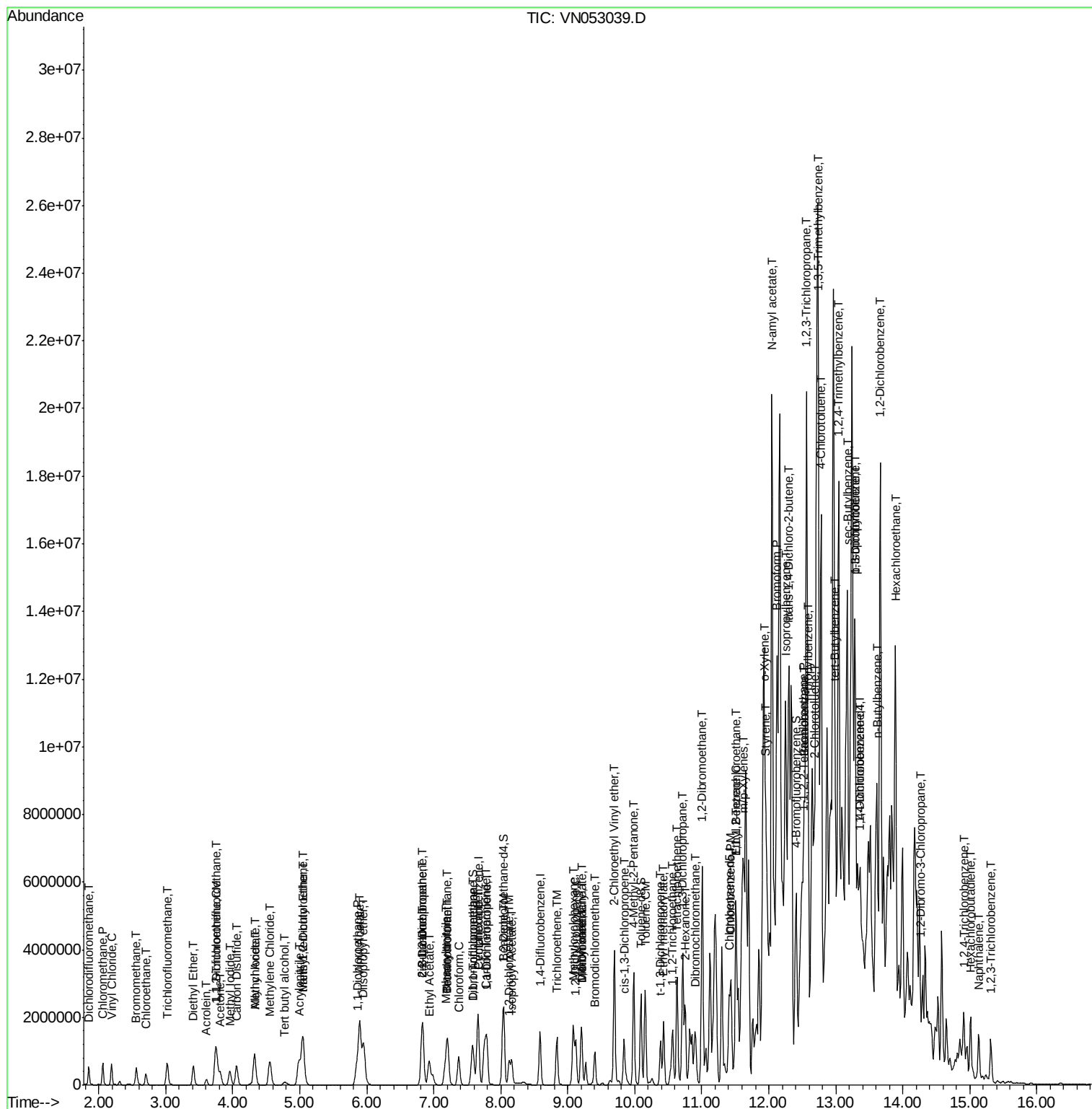
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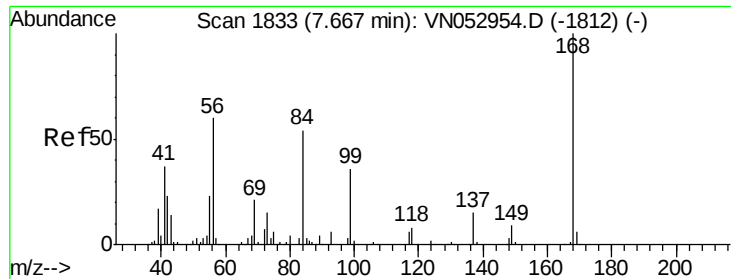
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion:168 Resp: 943742

Ion Ratio Lower Upper

168 100

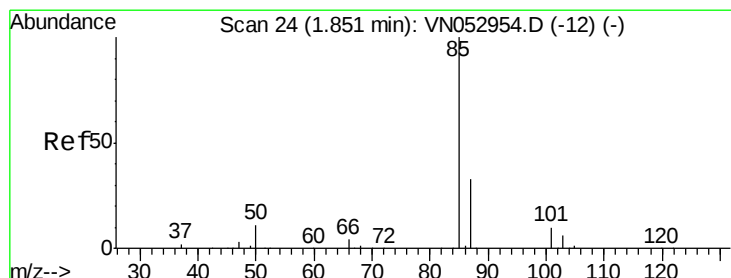
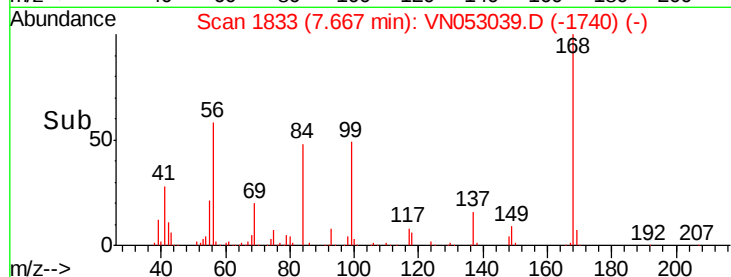
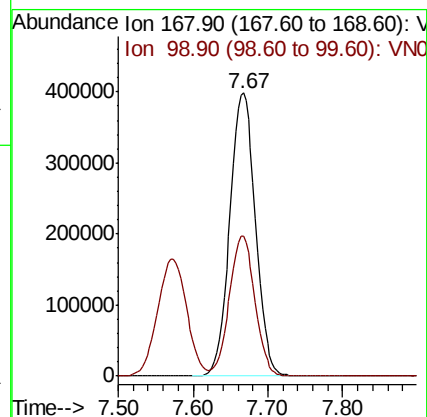
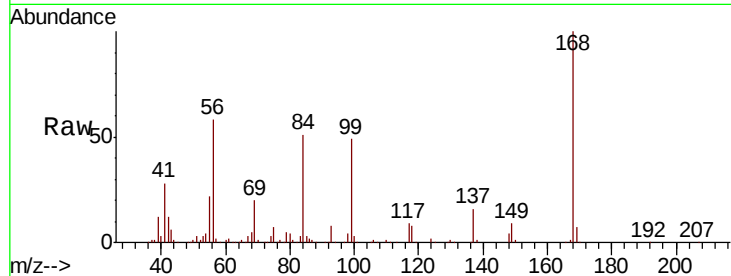
99 49.2 40.2 60.2

Manual Integrations

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12/20/2018 12:13:05 PM



#2

Dichlorodifluoromethane

Concen: 43.451 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053039.D

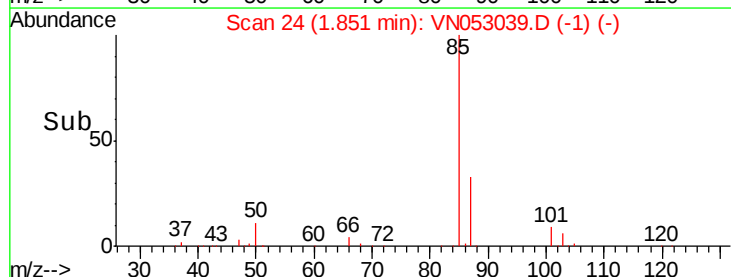
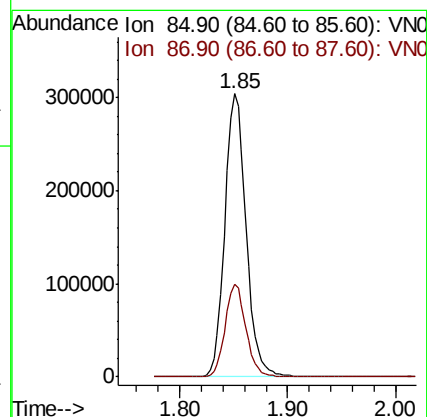
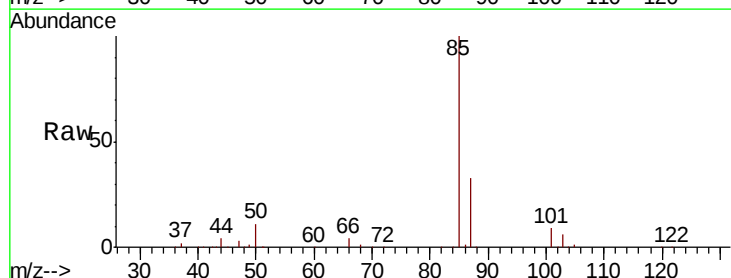
Acq: 20 Dec 2018 4:37

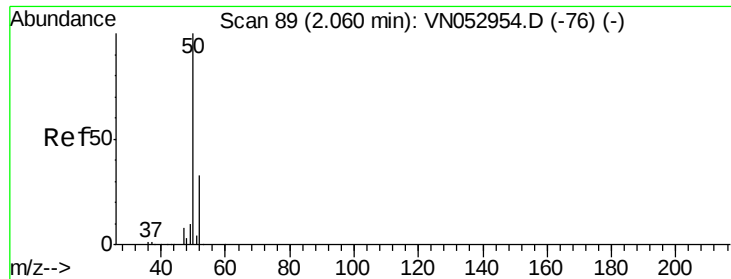
Tgt Ion: 85 Resp: 415019

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8





#3

Chloromethane

Concen: 51.877 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 600443

Ion Ratio Lower Upper

50 100

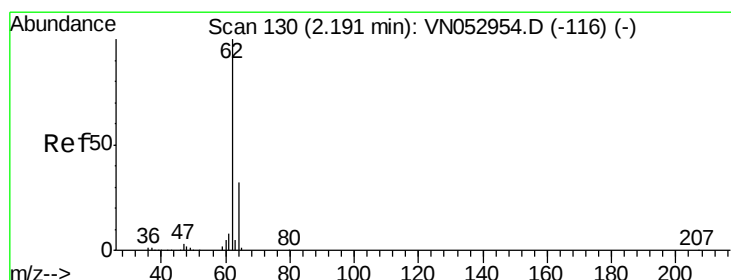
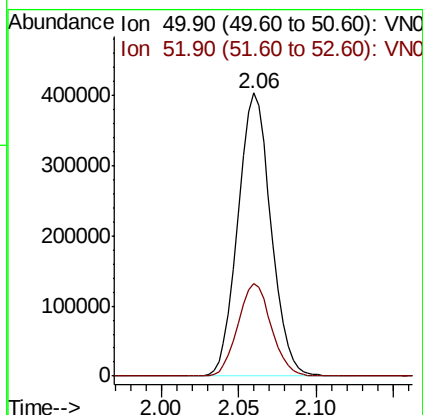
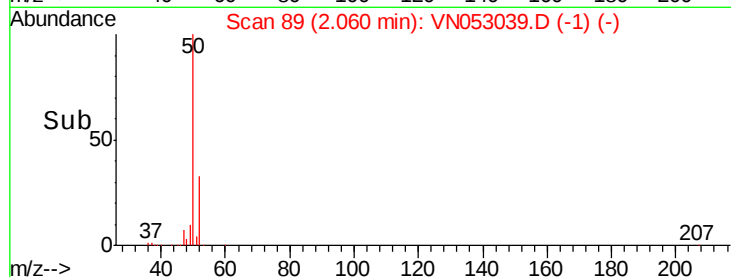
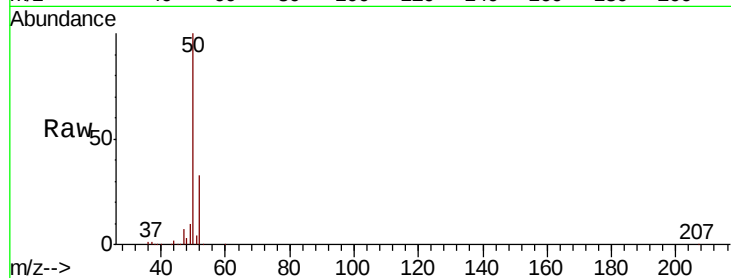
52 32.6 26.2 39.4

Manual Integrations

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12/20/2018 12:13:05 PM



#4

Vinyl Chloride

Concen: 48.121 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053039.D

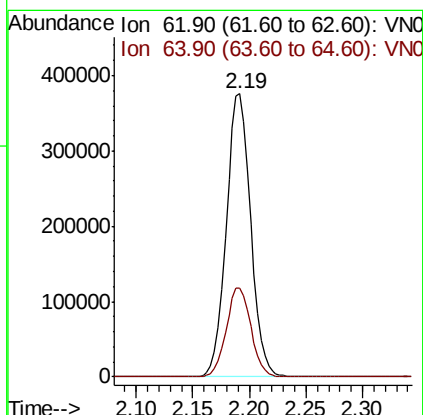
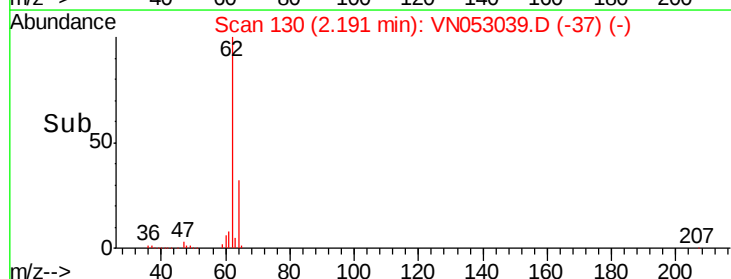
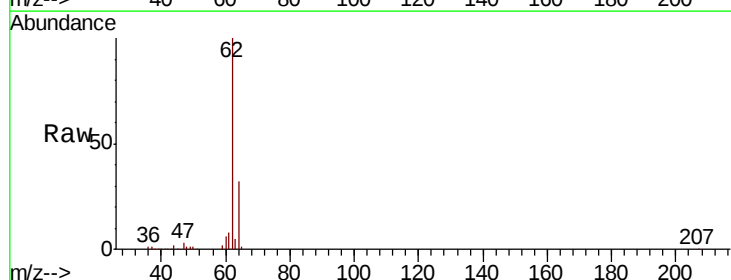
Acq: 20 Dec 2018 4:37

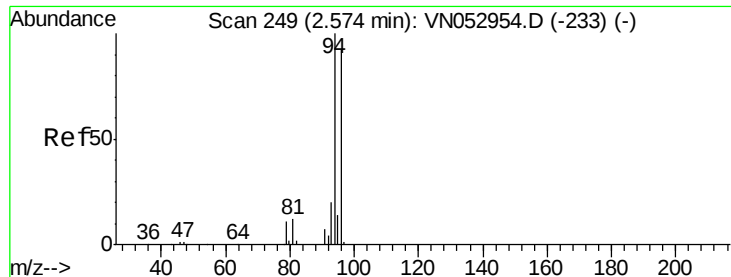
Tgt Ion: 62 Resp: 564073

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 47.495 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

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Tot Ion: 94 Resp: 385728

Ion Ratio Lower Upper

94 100

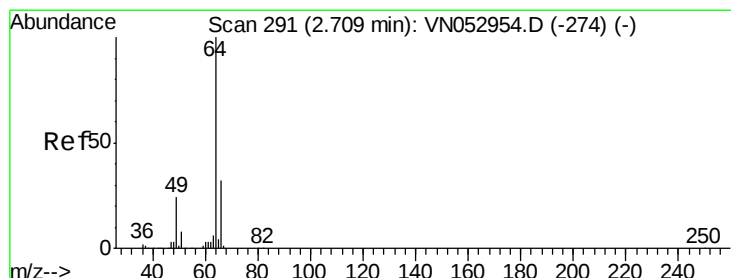
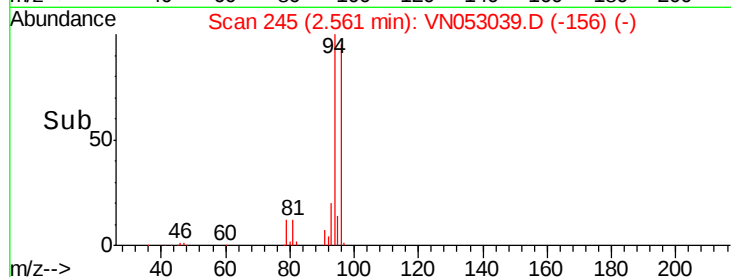
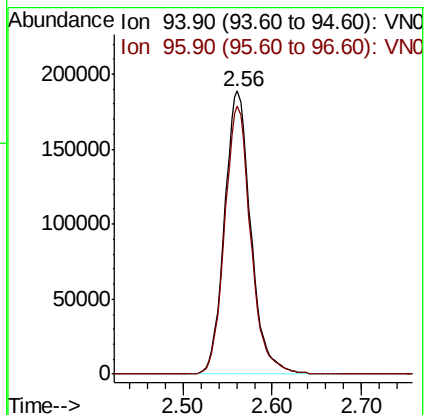
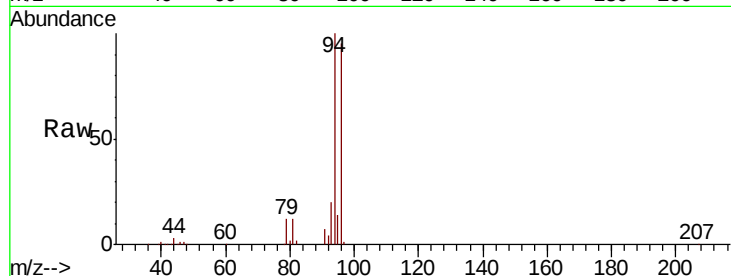
96 94.6 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 49.279 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053039.D

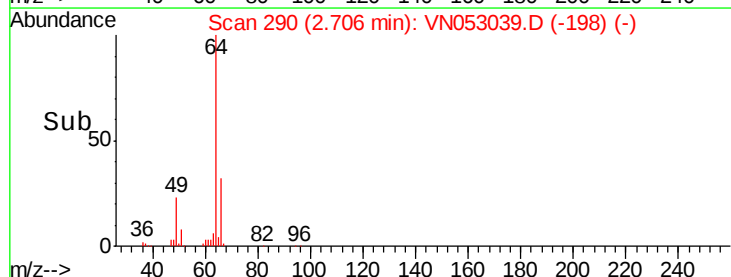
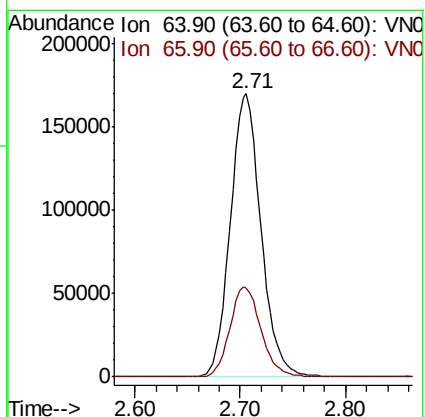
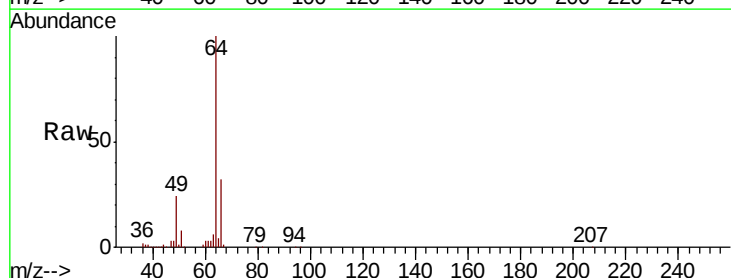
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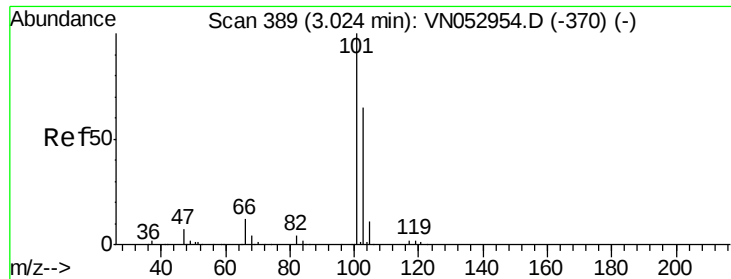
Tgt Ion: 64 Resp: 342113

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

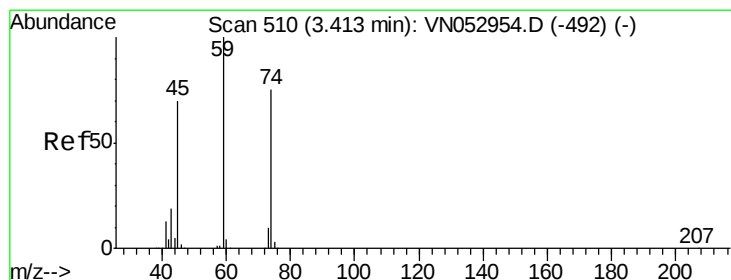
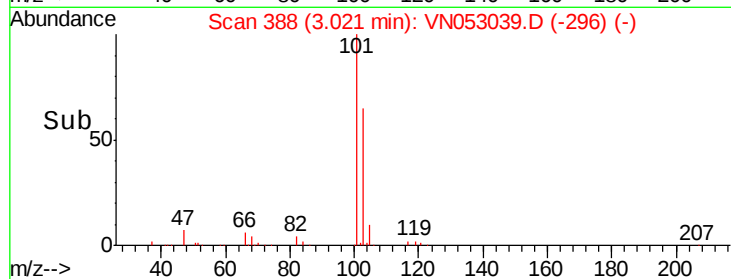
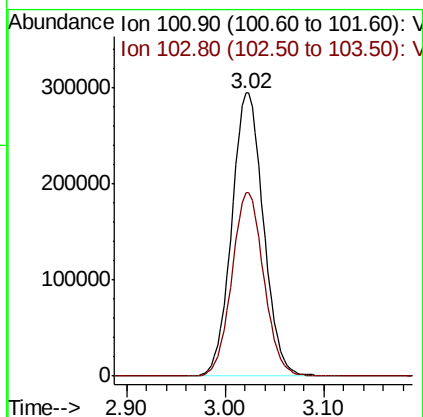
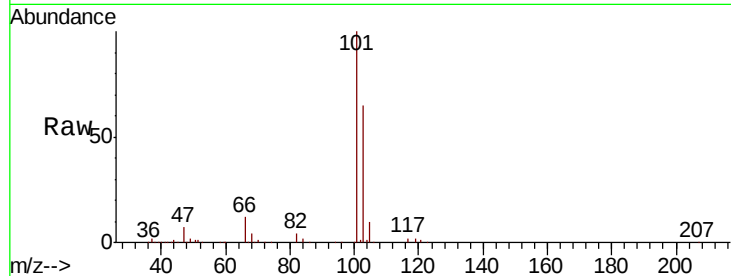
Trichlorofluoromethane
 Concen: 45.081 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

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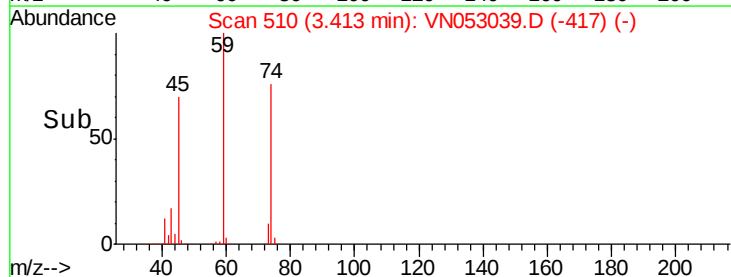
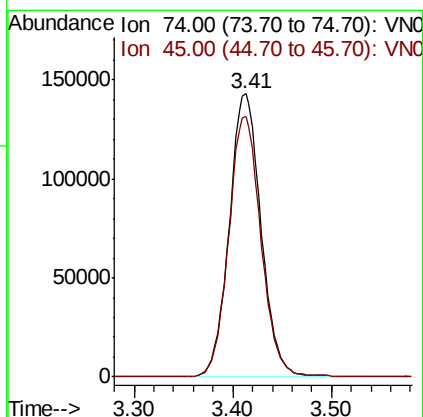
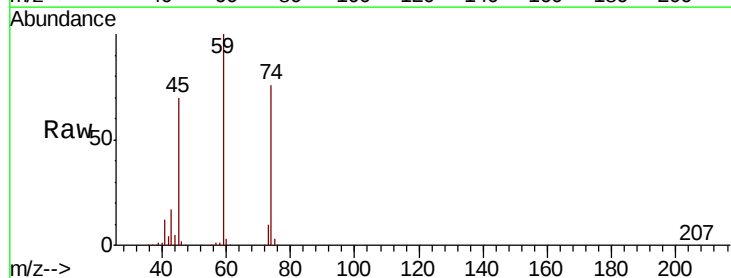
MMDadoda
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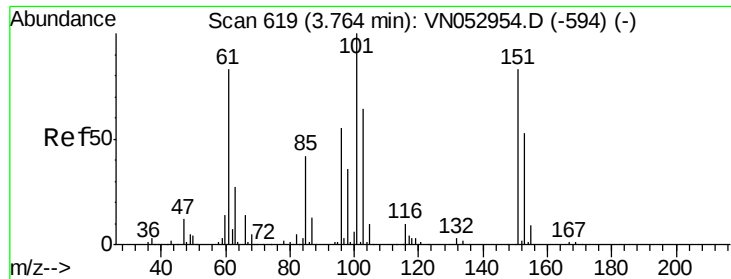


#8

Diethyl Ether
 Concen: 58.212 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.440 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

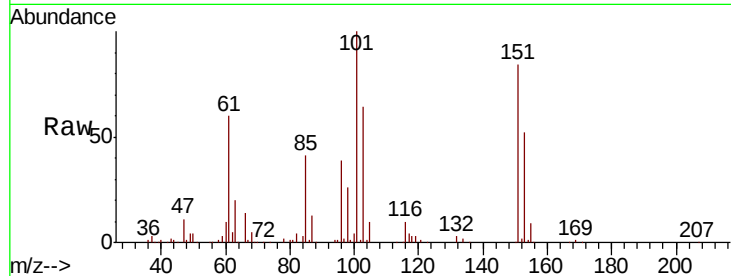
ClientSampleId :

EP1-MW-K(12-13FT)1218MS

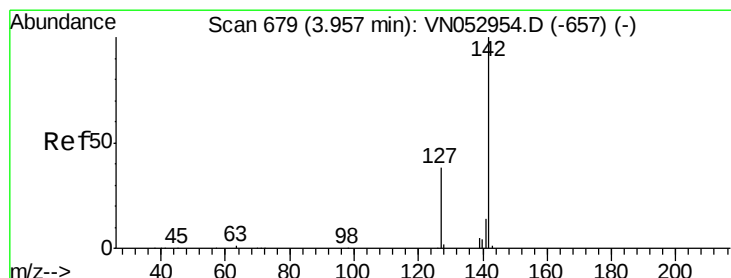
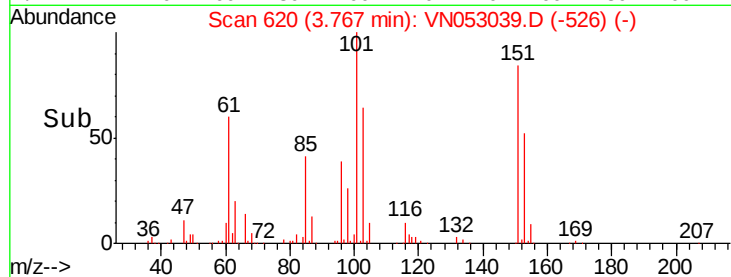
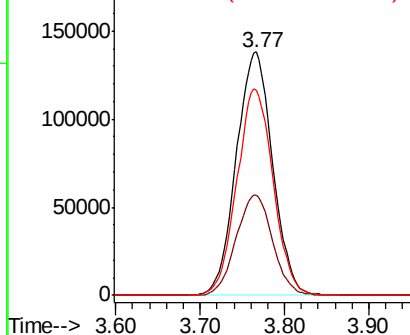
Tot Ion:	101	Resp:	413762
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.6	50.4
151	85.0	65.5	98.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.629 ug/l

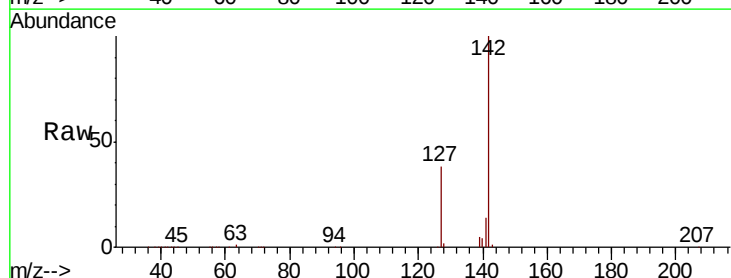
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

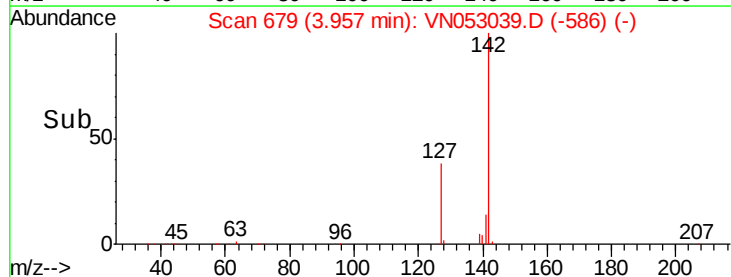
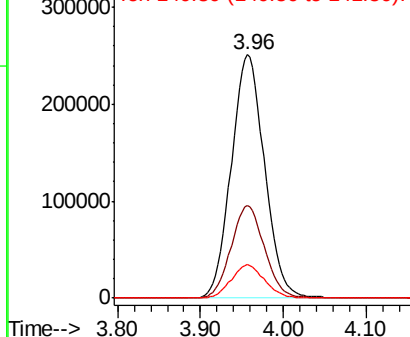
Lab File: VN053039.D

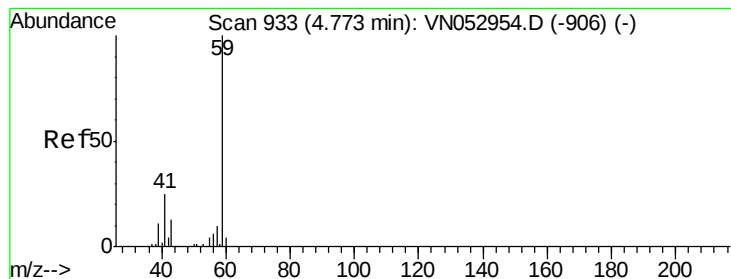
Acq: 20 Dec 2018 4:37

Tgt Ion:	142	Resp:	701206
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	13.7	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

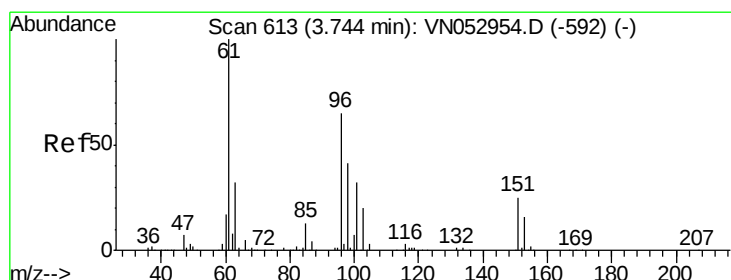
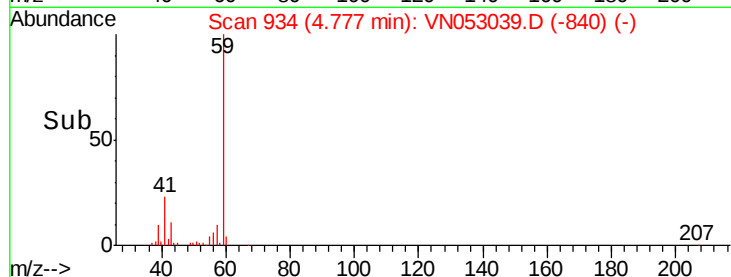
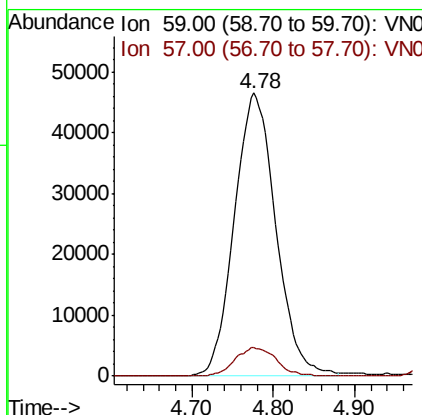
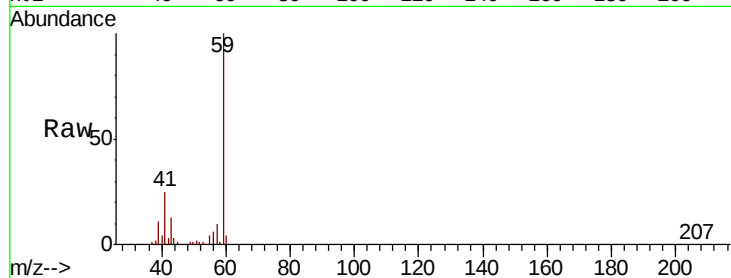
Tert butyl alcohol
Concen: 281.402 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

Manual Integrations
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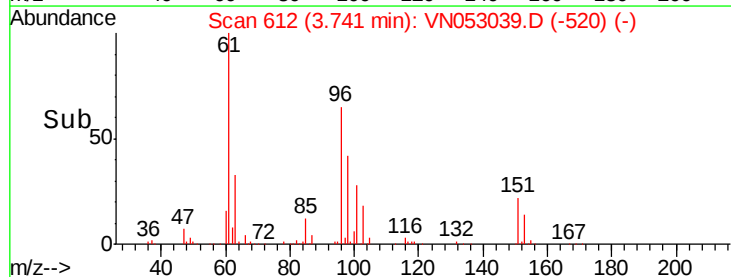
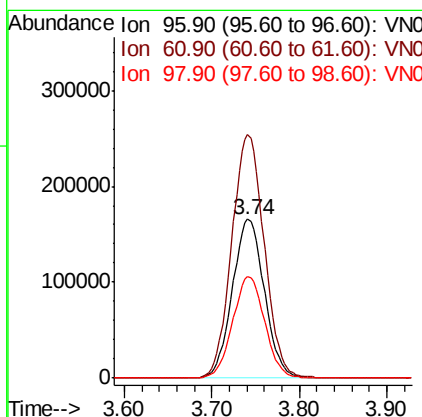
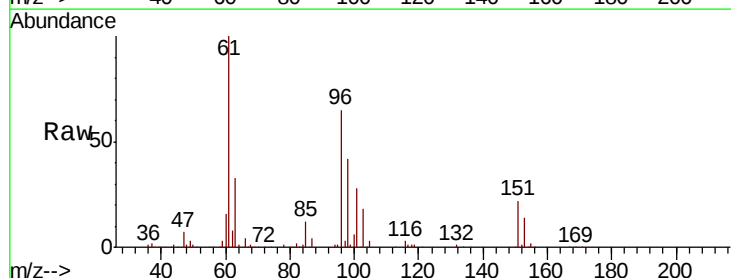
MMDadoda
12/20/2018 12:13:05 PM

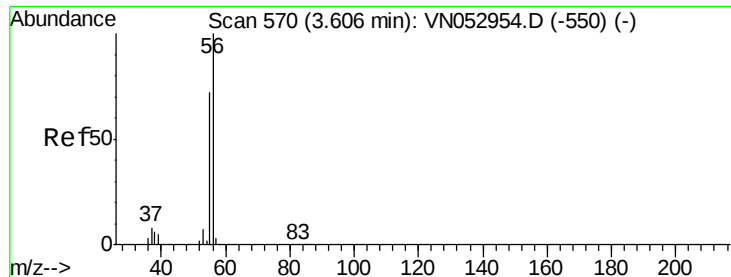


#12

1,1-Dichloroethene
Concen: 46.923 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	125.6	188.4
98	64.2	50.6	75.8





#13

Acrolein

Concen: 335.021 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 56 Resp: 177516

Ion Ratio Lower Upper

56 100

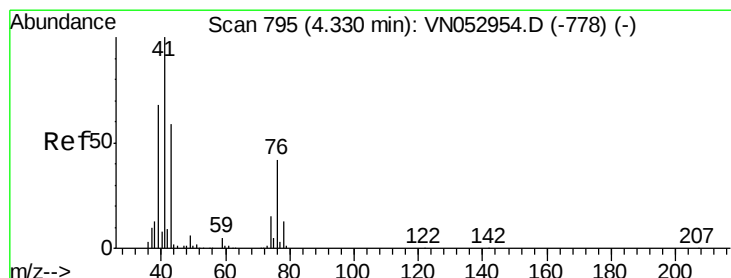
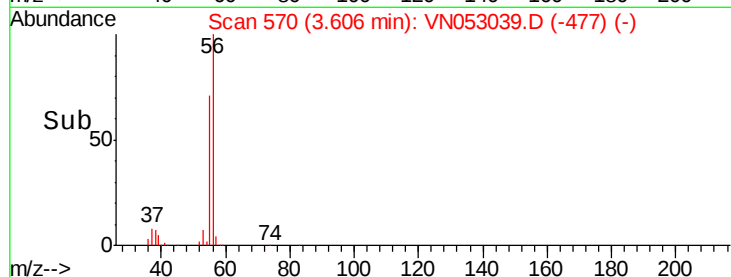
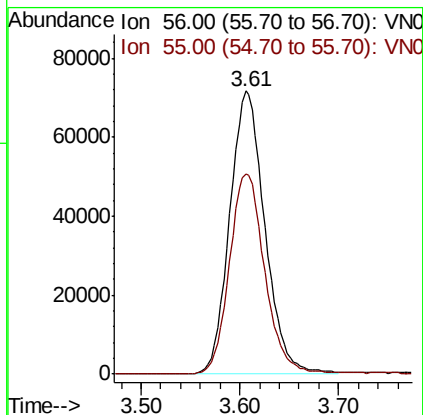
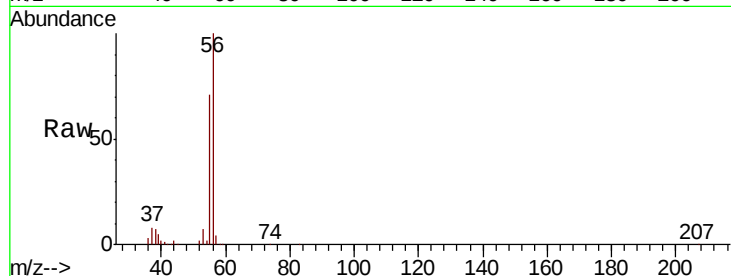
55 71.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.826 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

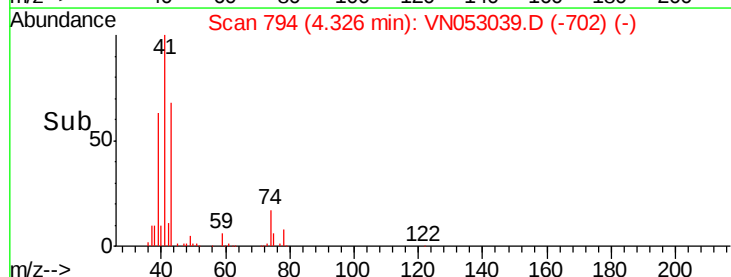
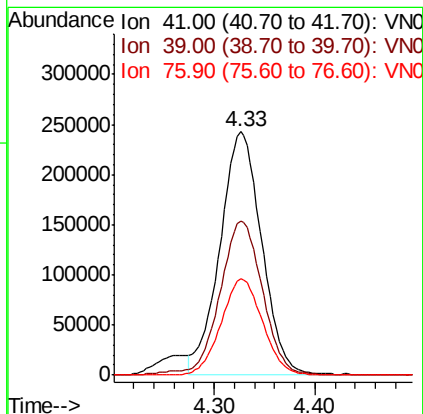
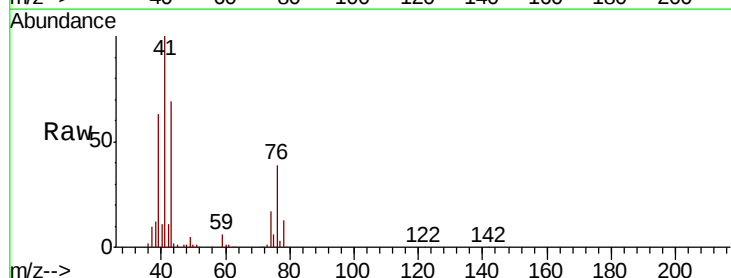
Tgt Ion: 41 Resp: 694233

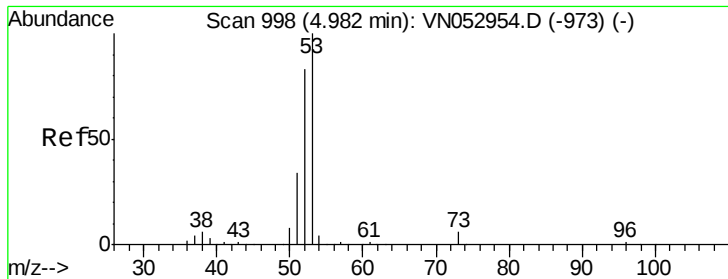
Ion Ratio Lower Upper

41 100

39 65.5 54.1 81.1

76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 288.537 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

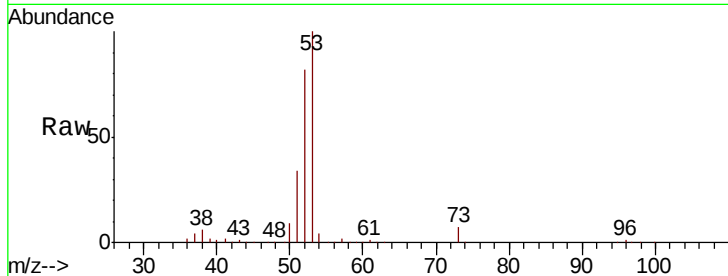
ClientSampleId :

EP1-MW-K(12-13FT)1218MS

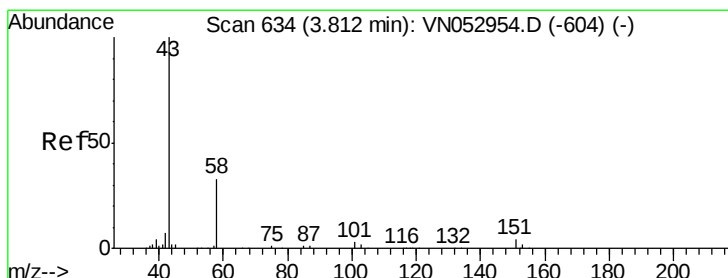
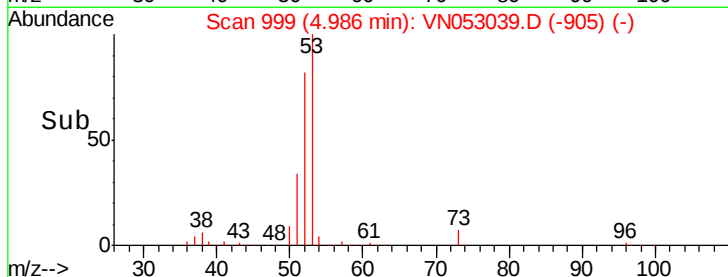
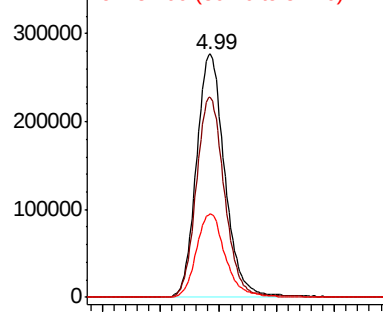
Tot Ion:	53	Resp:	936715
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.1	97.7
51	35.2	28.1	42.1

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)



#16

Acetone

Concen: 308.958 ug/l

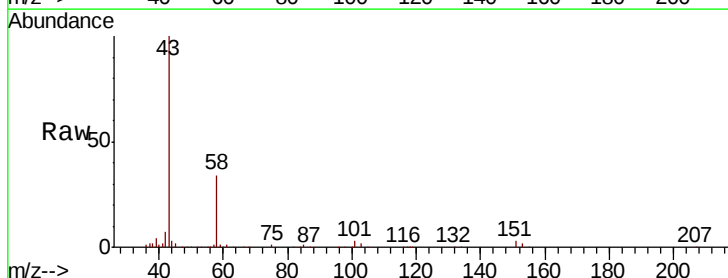
RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

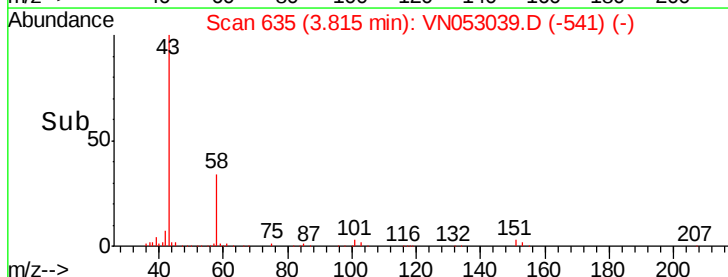
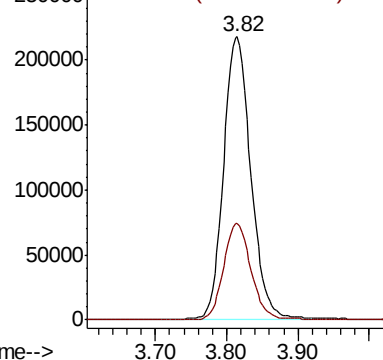
Lab File: VN053039.D

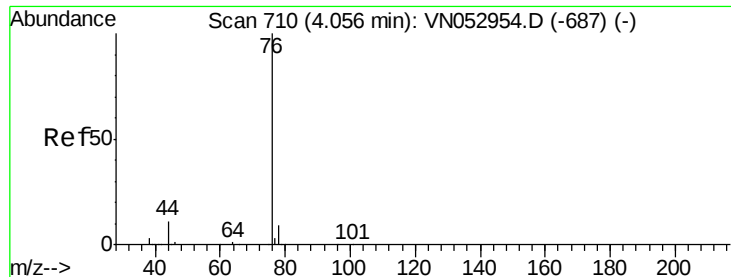
Acq: 20 Dec 2018 4:37

Tgt Ion:	43	Resp:	580157
Ion Ratio	Lower	Upper	
43	100		
58	34.2	25.4	38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)





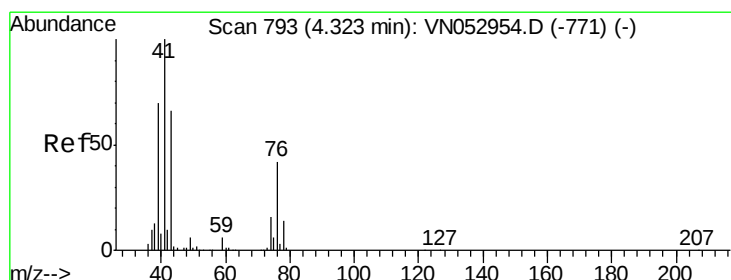
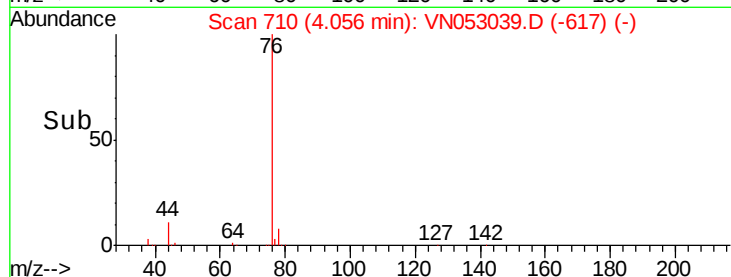
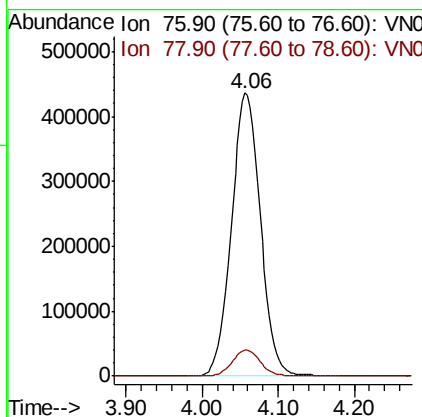
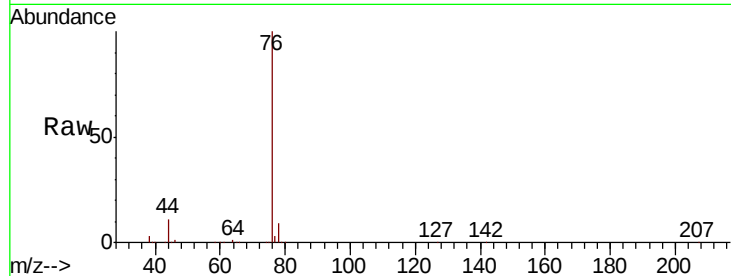
#17
Carbon Disulfide
Concen: 39.317 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 76 Resp: 1153381
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

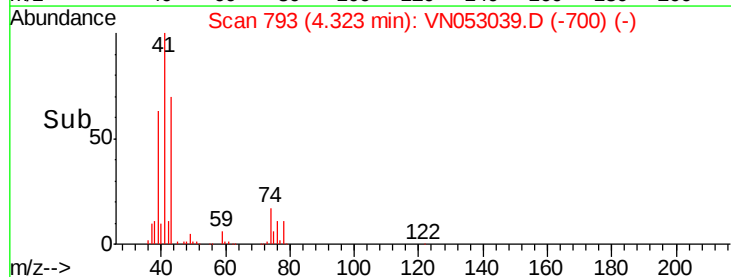
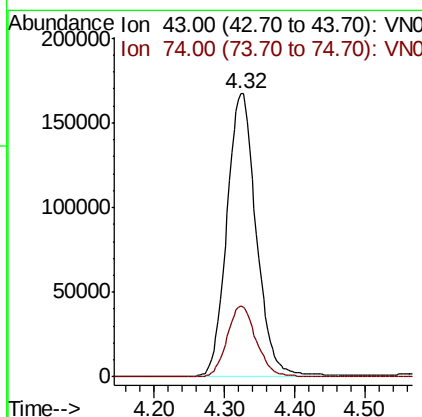
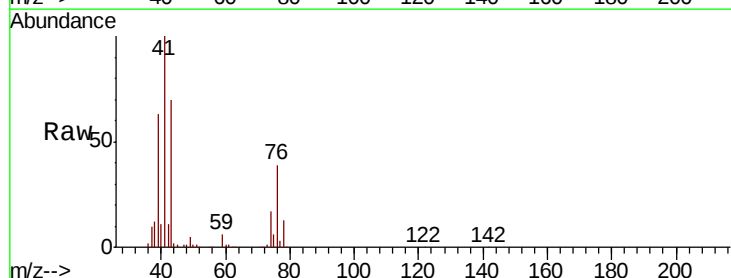
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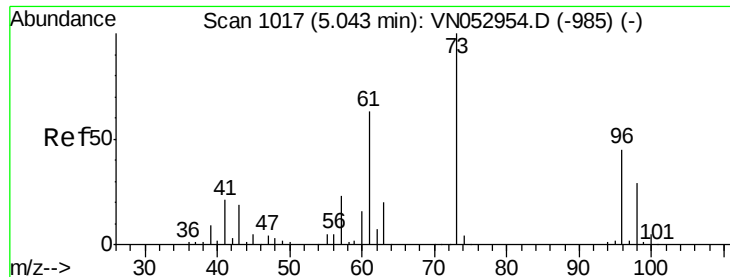
MMDadoda
12/20/2018 12:13:05 PM



#18
Methyl Acetate
Concen: 56.725 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 484615
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8





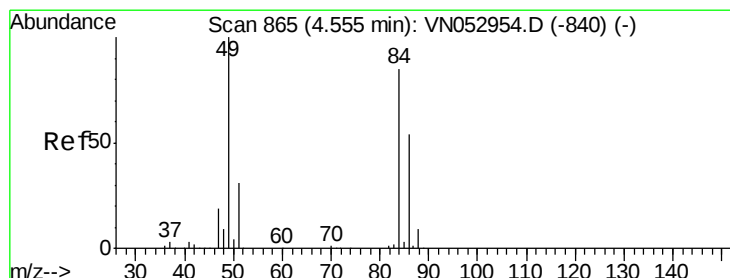
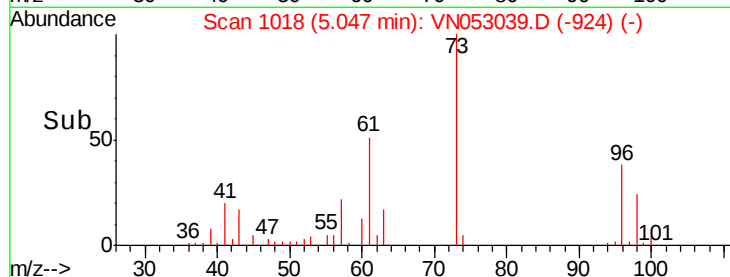
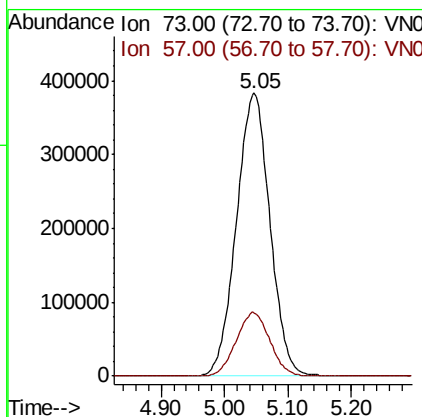
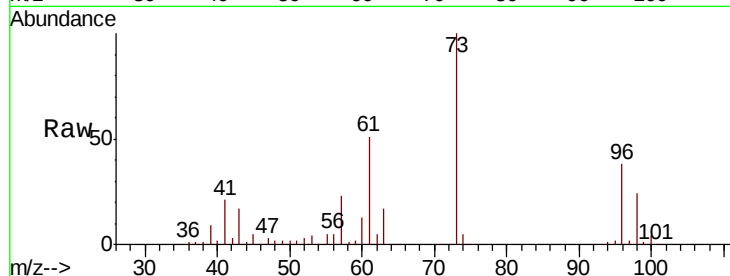
#19
Methvl tert-butvl Ether
Concen: 58.237 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 73 Resp: 1401857
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

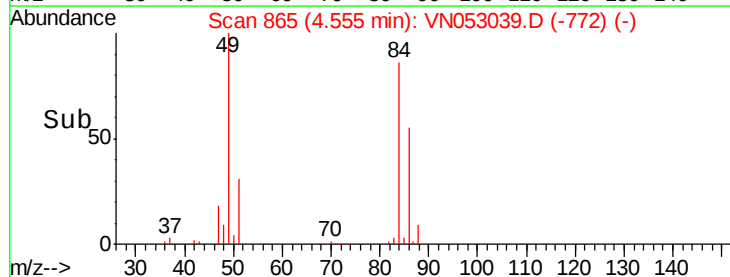
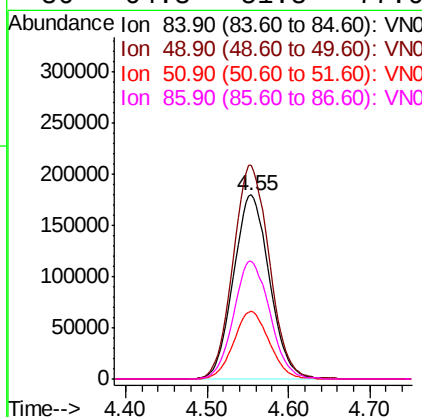
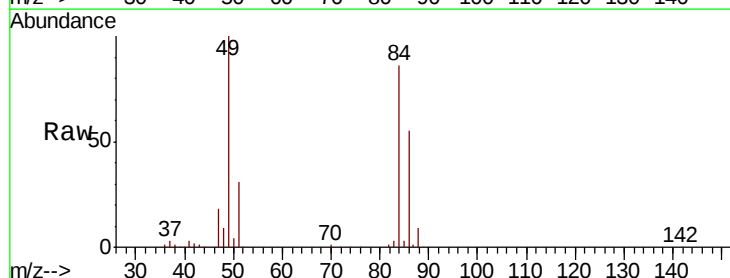
Manual Integrations
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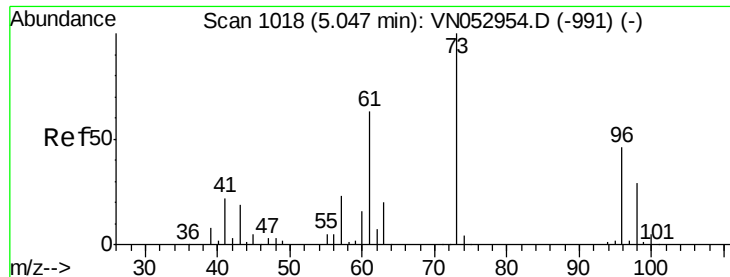
MMDadoda
12/20/2018 12:13:05 PM



#20
Methylene Chloride
Concen: 53.974 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 84 Resp: 552859
Ion Ratio Lower Upper
84 100
49 116.0 96.8 145.2
51 36.5 29.9 44.9
86 64.3 51.8 77.6





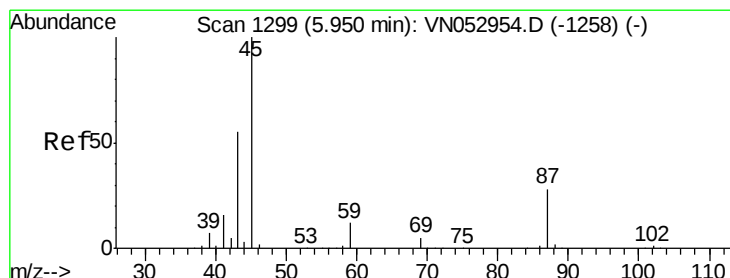
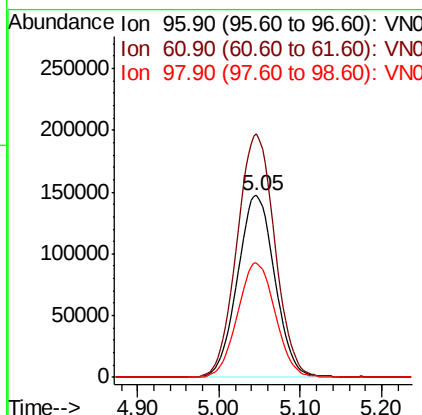
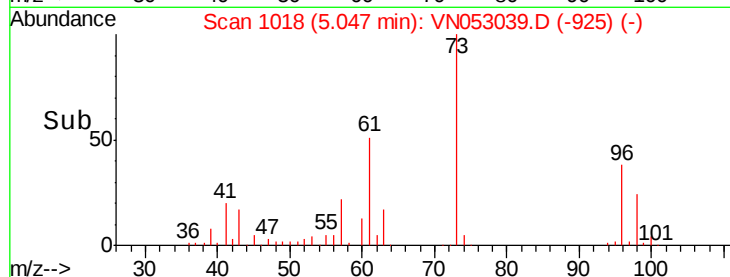
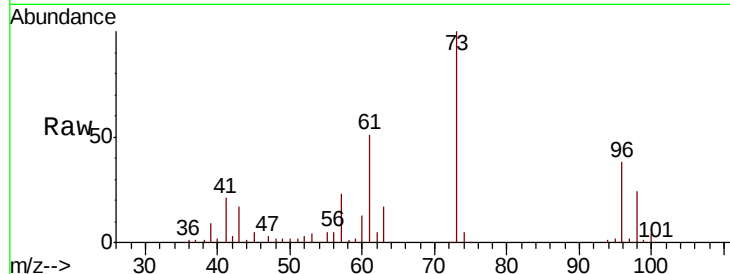
#21
trans-1,2-Dichloroethene
Concen: 48.237 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.8	166.2
98	62.8	51.4	77.2

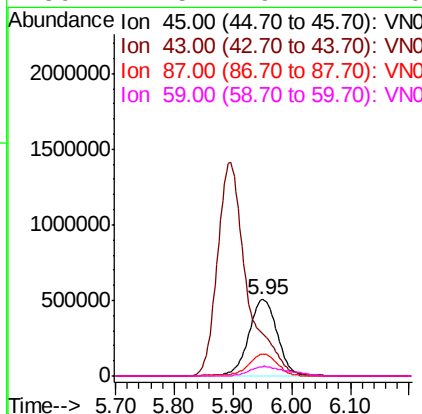
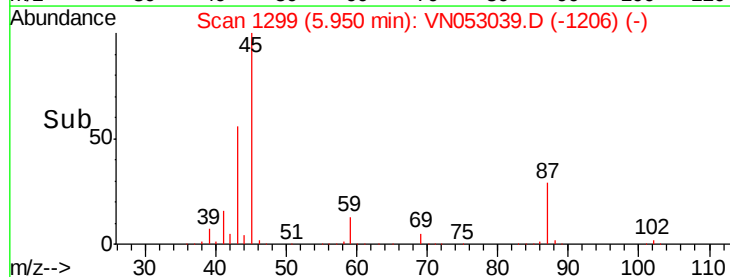
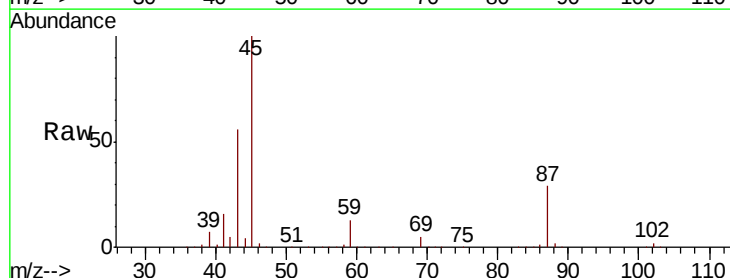
Manual Integrations
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12/20/2018 12:13:05 PM



#22
Diisopropyl ether
Concen: 57.434 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.5	68.3
87	28.8	22.0	33.0
59	12.5	9.4	14.0





#23

Vinyl Acetate

Concen: 288.535 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 43 Resp: 4934429

Ion Ratio Lower Upper

43 100

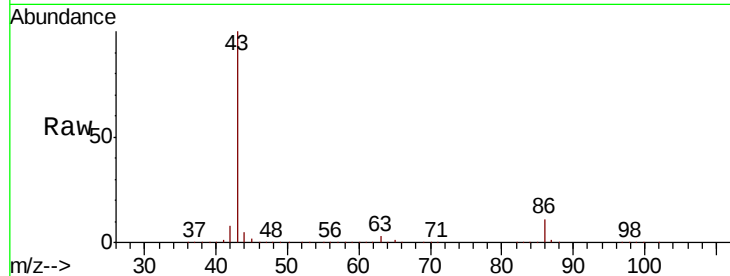
86 10.9 8.1 12.1

Manual Integrations

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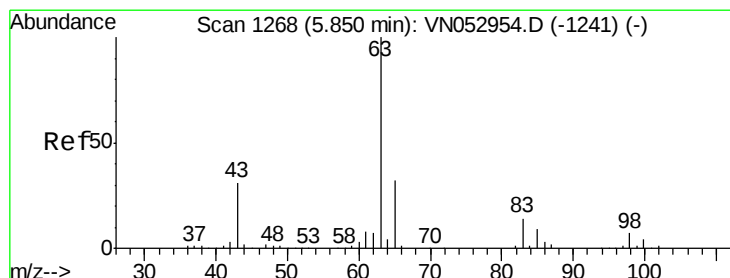
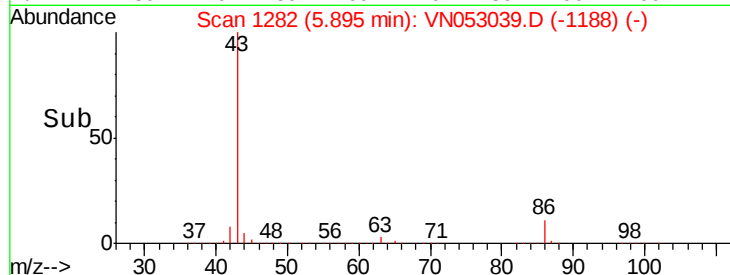
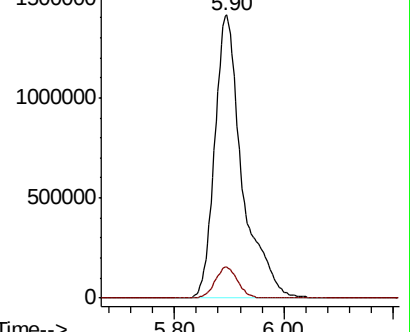
MMDadoda

12/20/2018 12:13:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.611 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

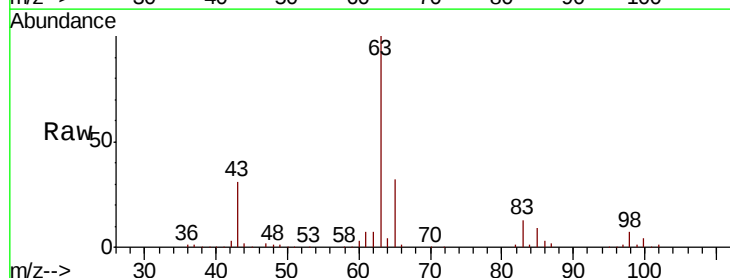
Tgt Ion: 63 Resp: 929779

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

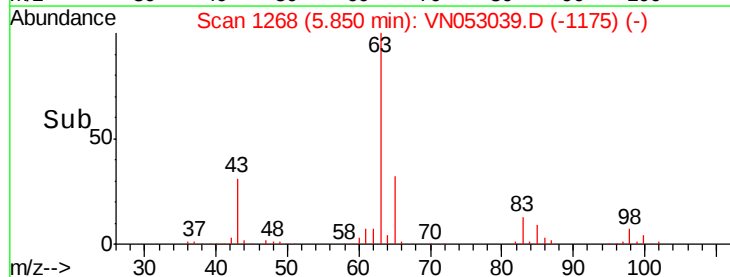
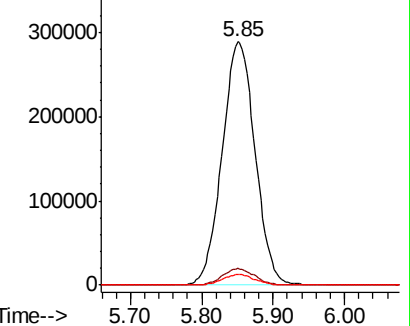
100 4.3 2.0 5.8

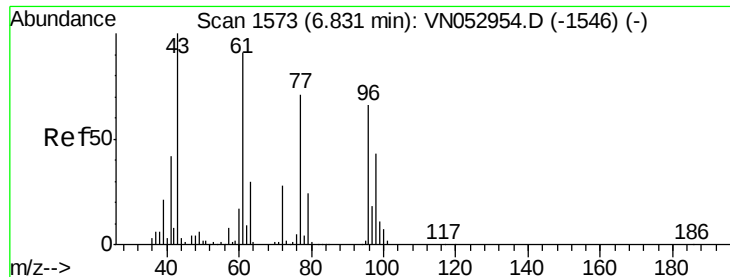


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 308.738 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 43 Resp: 972953

Ion Ratio Lower Upper

43 100

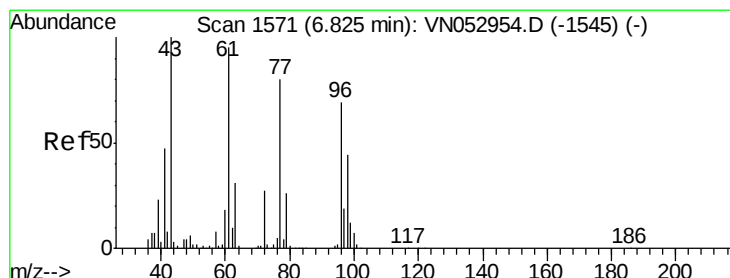
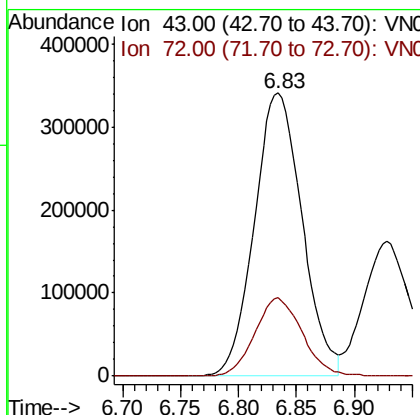
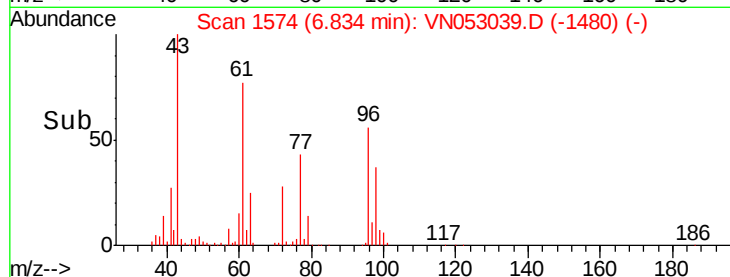
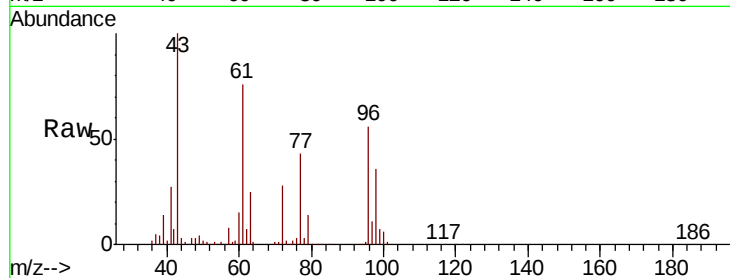
72 27.6 21.0 31.6

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12/20/2018 12:13:05 PM



#26

2,2-Dichloropropane

Concen: 37.781 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053039.D

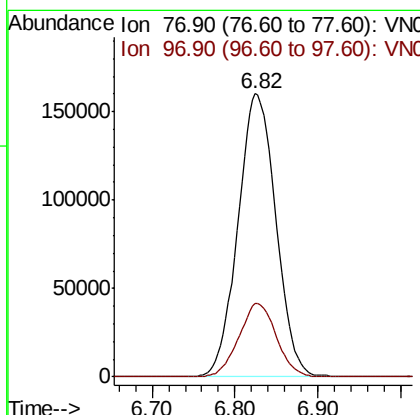
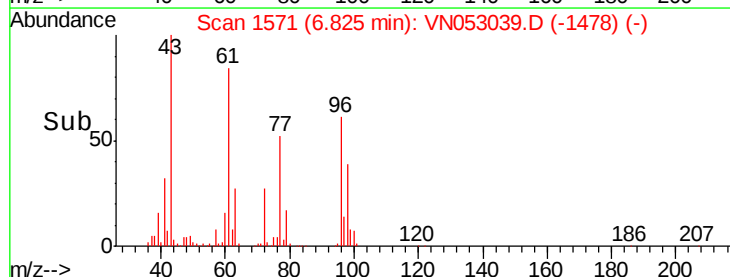
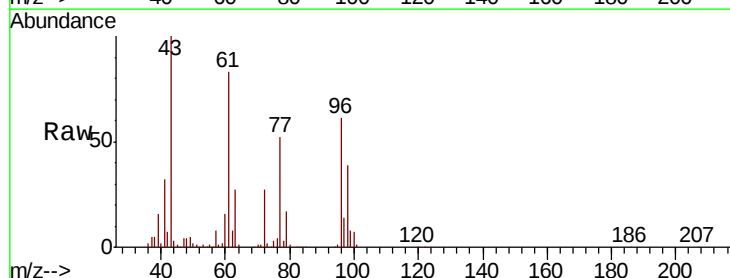
Acq: 20 Dec 2018 4:37

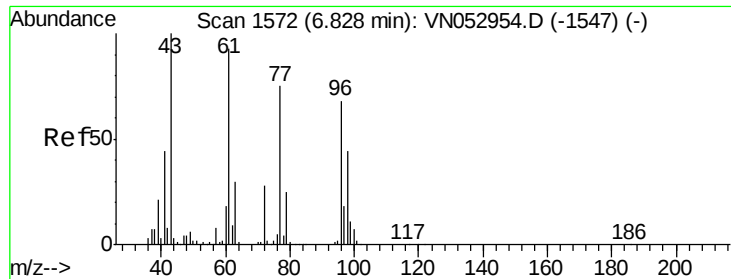
Tgt Ion: 77 Resp: 509692

Ion Ratio Lower Upper

77 100

97 25.6 11.9 35.9





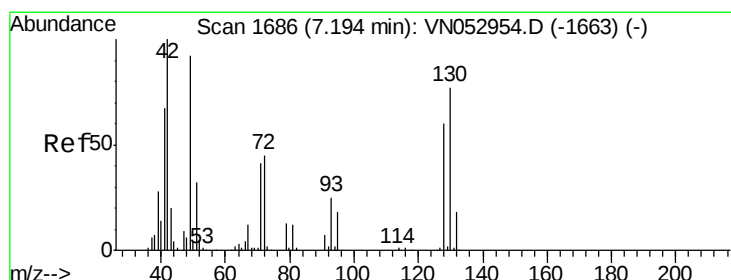
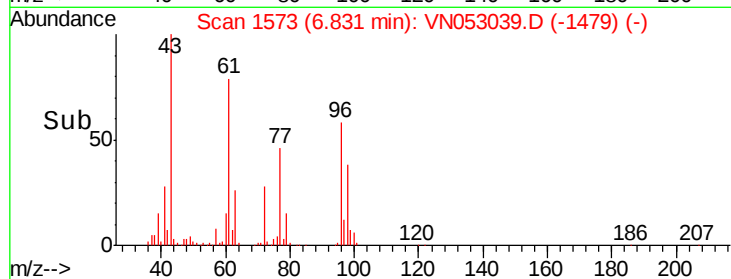
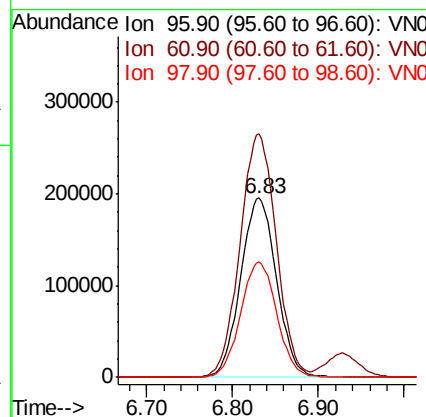
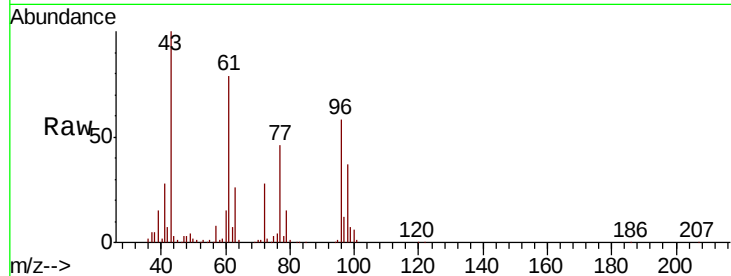
#27
 cis-1,2-Dichloroethene
 Concen: 52.015 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	569109		
61	136.9	0.0	284.2	
98	64.9	0.0	129.2	

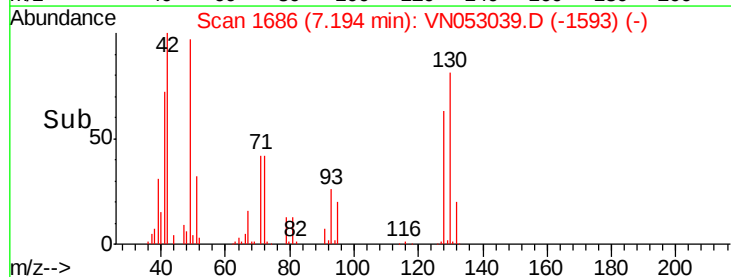
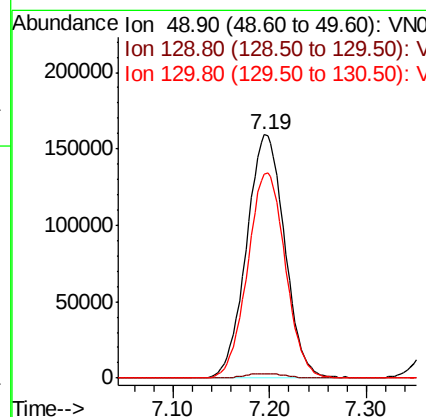
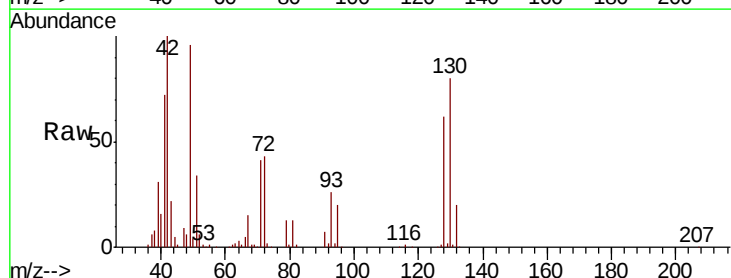
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 12/20/2018 12:13:05 PM



#28
 Bromochloromethane
 Concen: 56.956 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	436165		
129	2.0	0.0	4.0	
130	83.6	63.3	94.9	





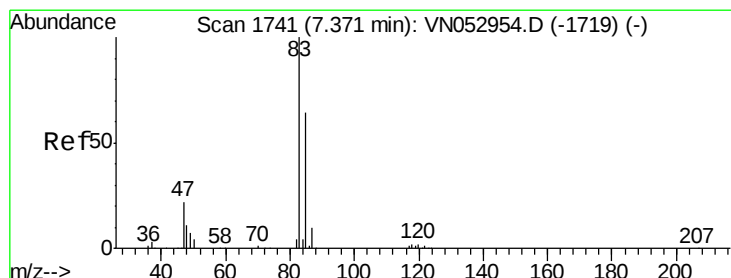
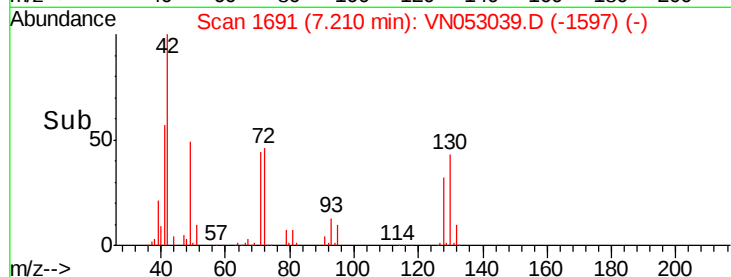
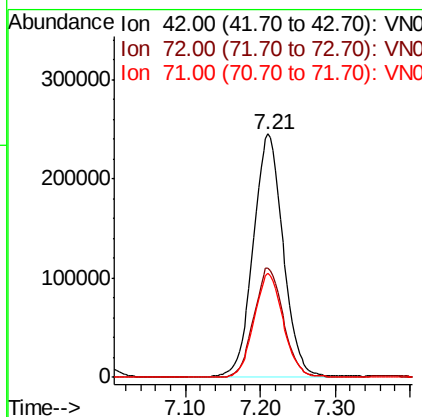
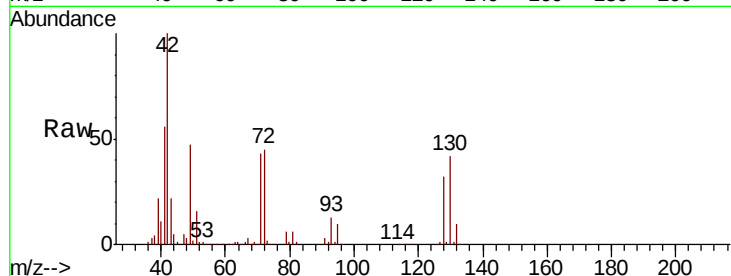
#29
Tetrahydrofuran
Concen: 290.944 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	41.8	32.3	48.5

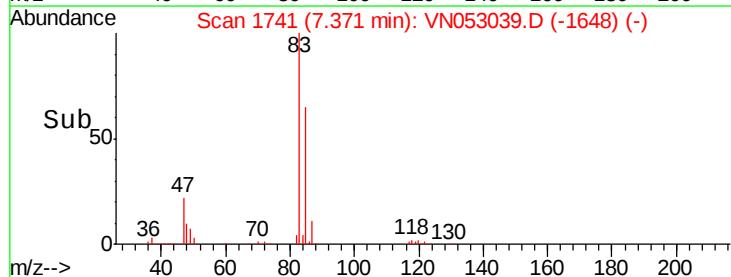
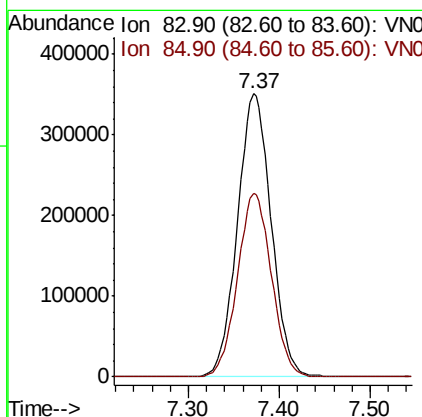
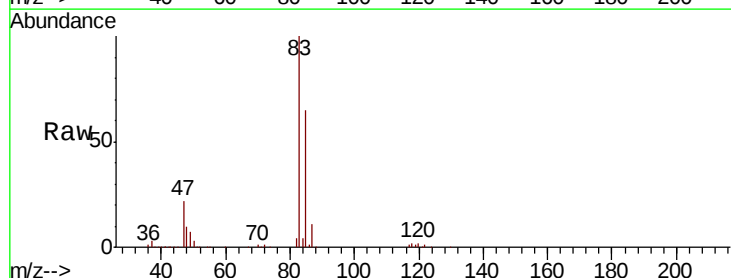
Manual Integrations
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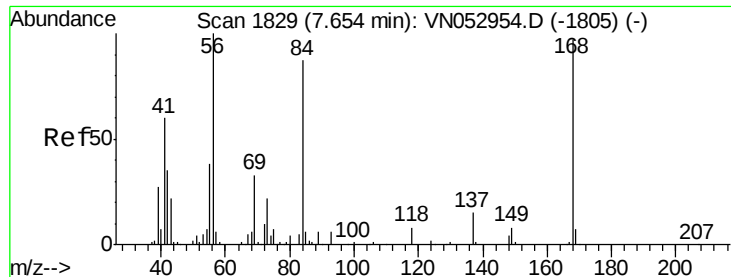
MMDadoda
12/20/2018 12:13:05 PM



#30
Chloroform
Concen: 52.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





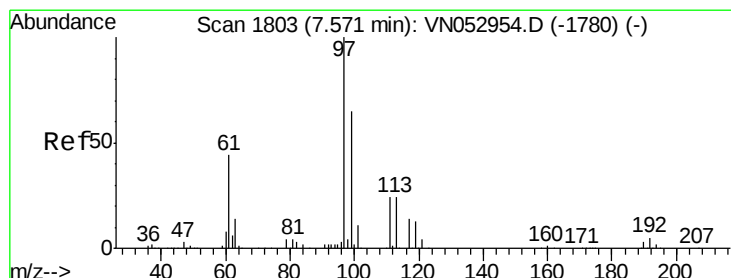
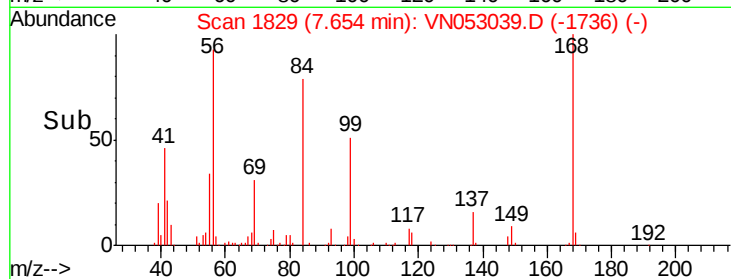
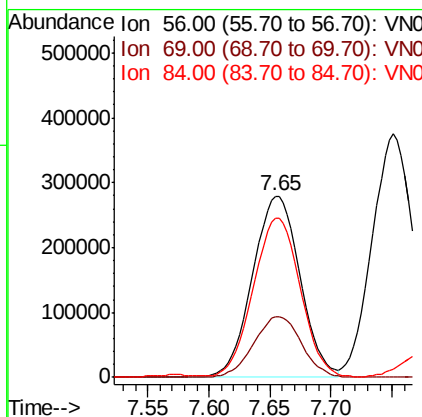
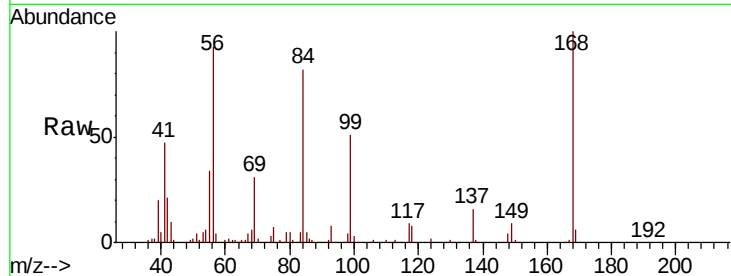
#31
Cvclohexane
Concen: 45.441 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	39.8
84	86.9	68.4	102.6

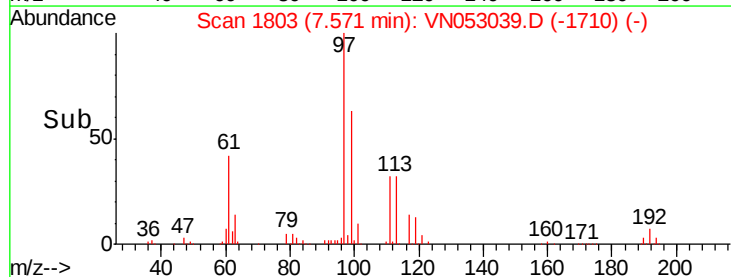
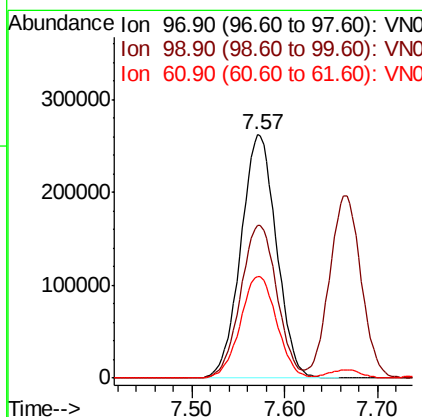
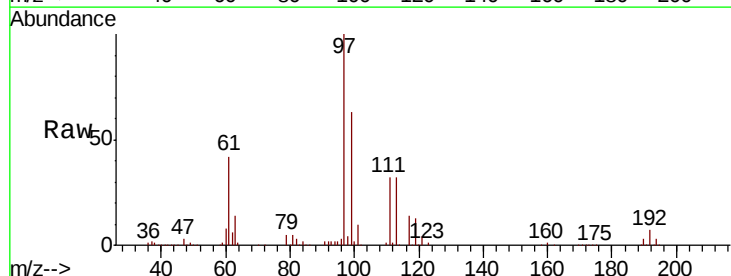
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#32
1,1,1-Trichloroethane
Concen: 47.261 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	42.8	35.0	52.6





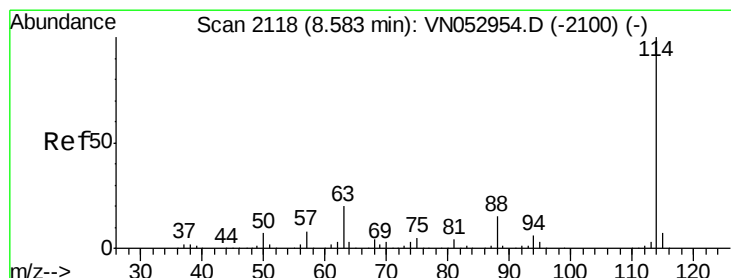
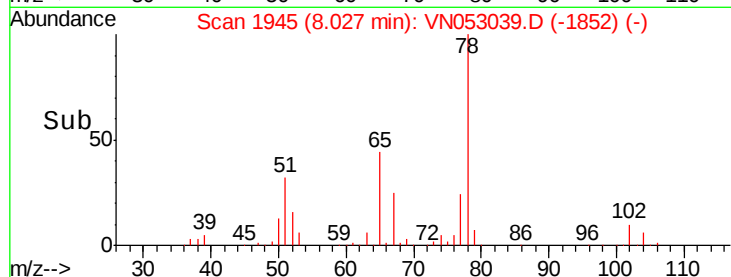
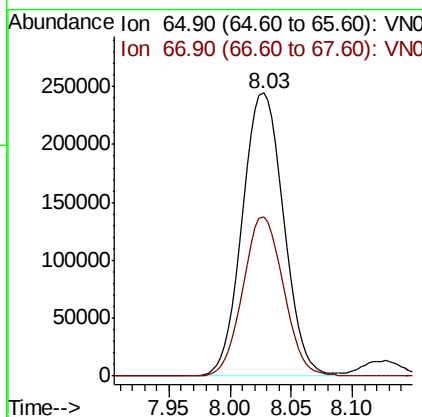
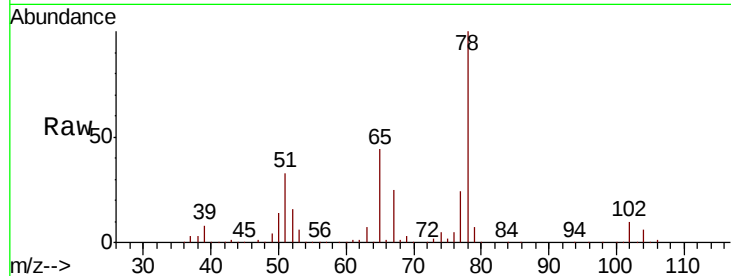
#33
 1,2-Dichloroethane-d4
 Concen: 47.261 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	575153		
67	55.3	0.0	110.4	

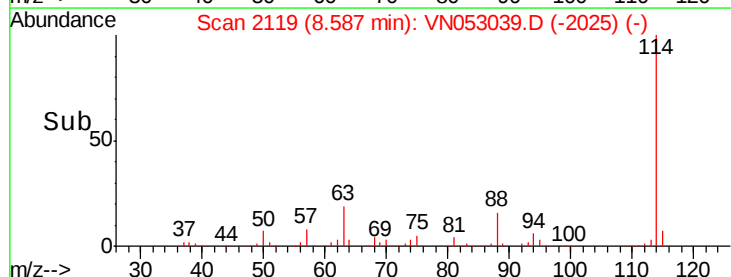
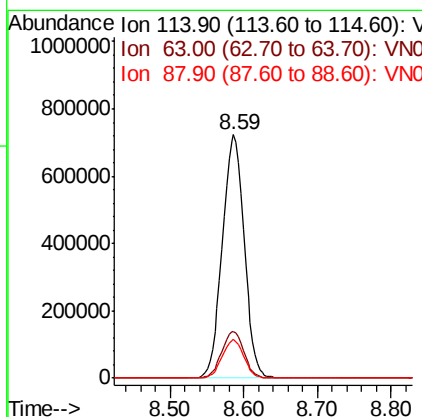
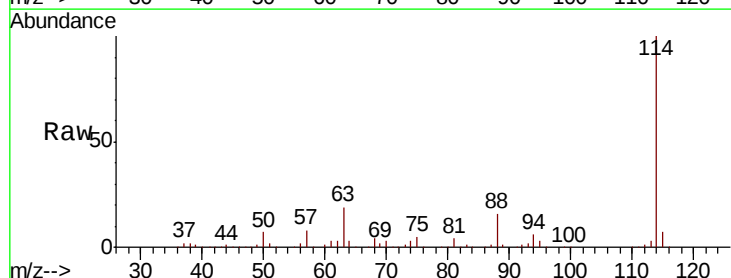
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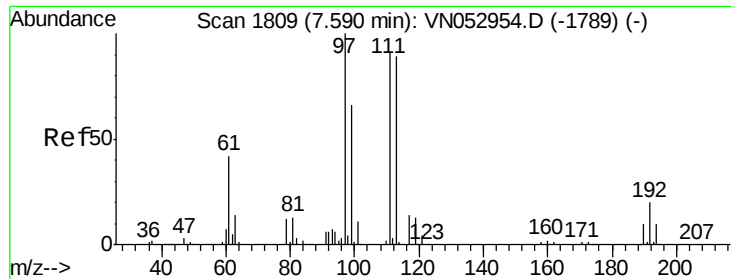
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 12/20/2018 12:13:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1491062		
63	19.2	0.0	39.8	
88	15.7	0.0	31.0	





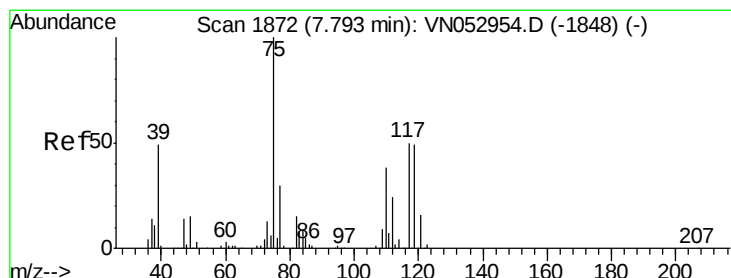
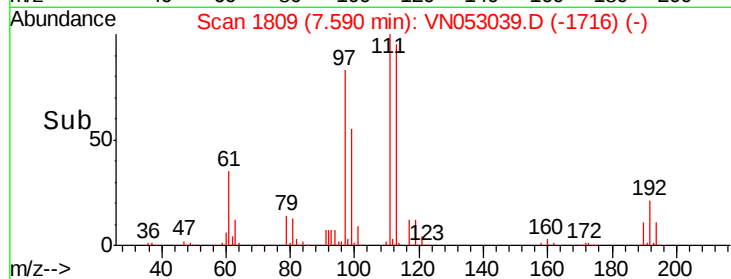
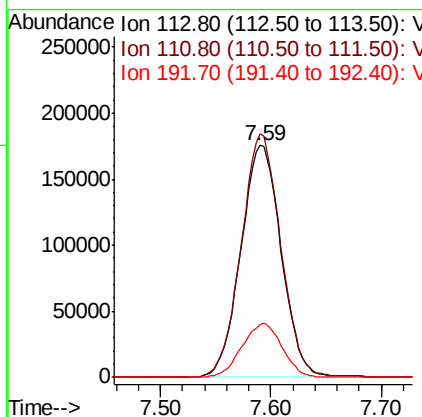
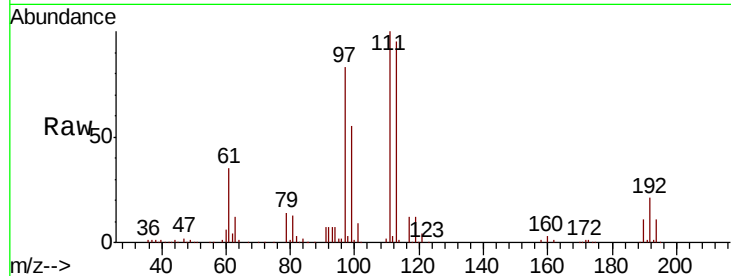
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	23.3	17.5	26.3

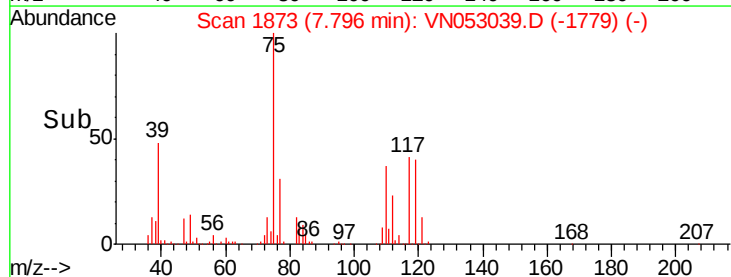
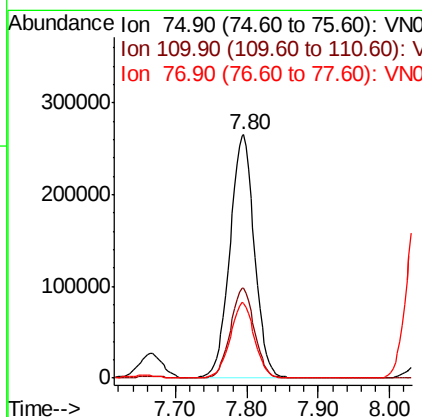
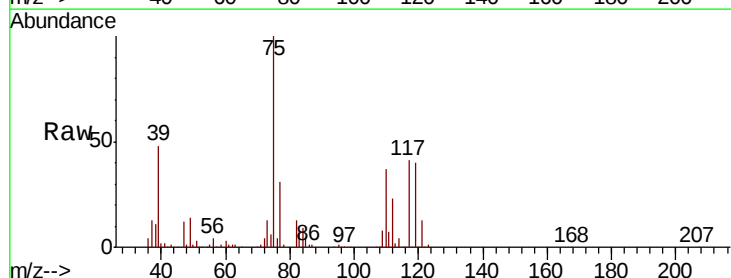
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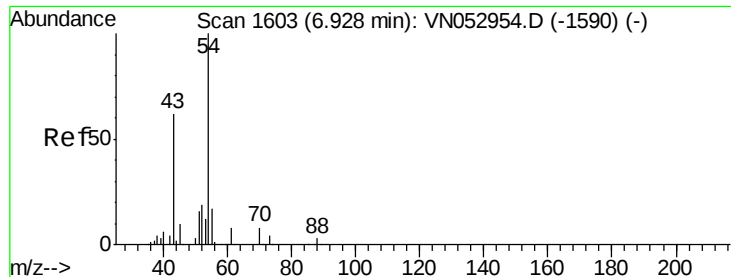
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#36
 1,1-Dichloropropene
 Concen: 44.297 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.2	54.6
77	31.0	24.9	37.3





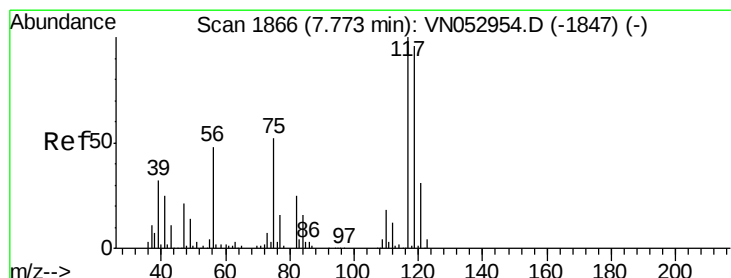
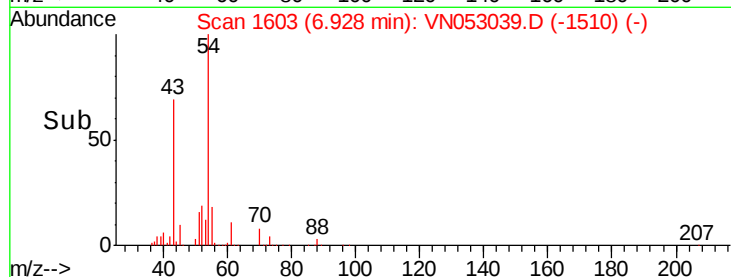
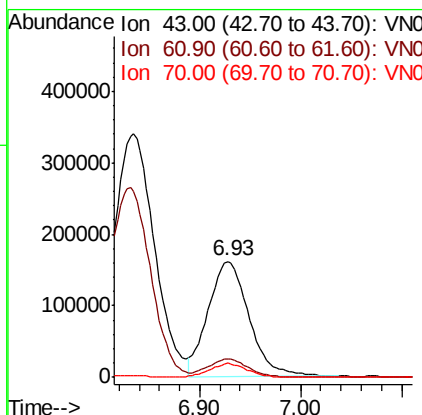
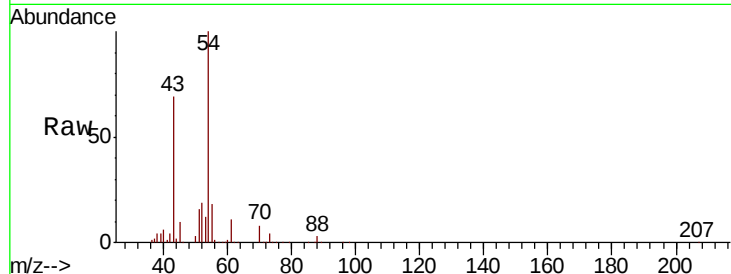
#37
Ethyl Acetate
Concen: 56.677 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	10.9	8.4	12.6

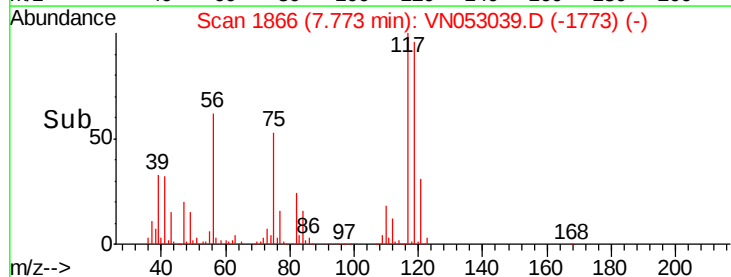
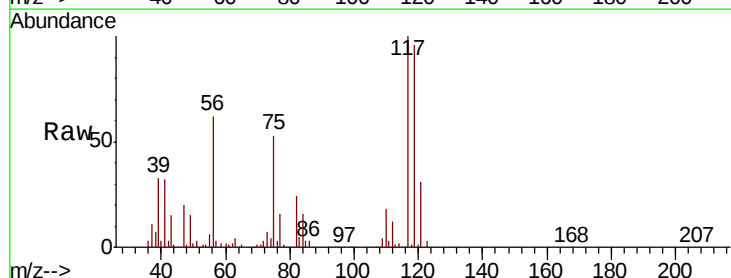
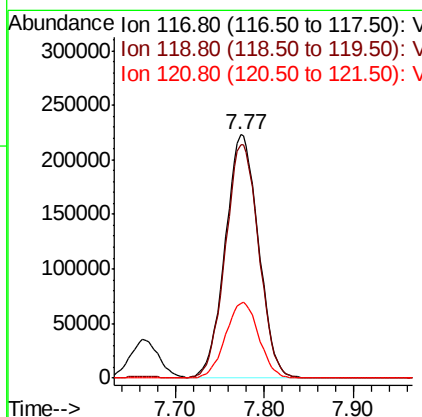
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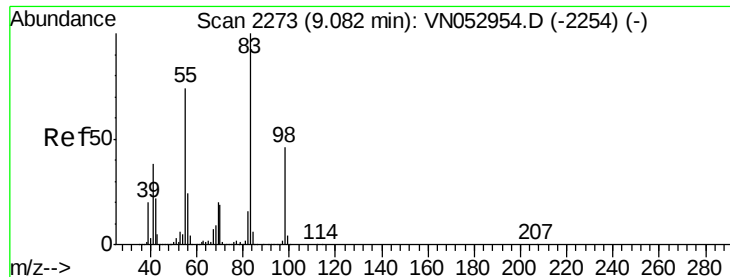
MMDadoda
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#38
Carbon Tetrachloride
Concen: 43.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
121	30.8	24.9	37.3





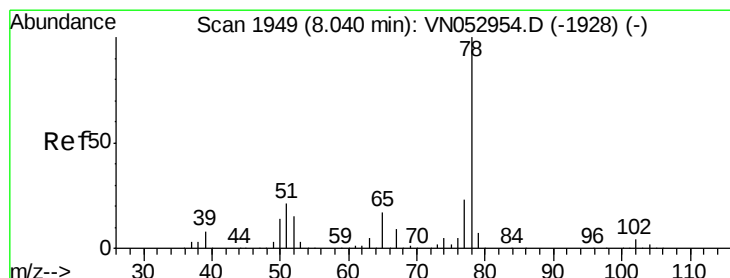
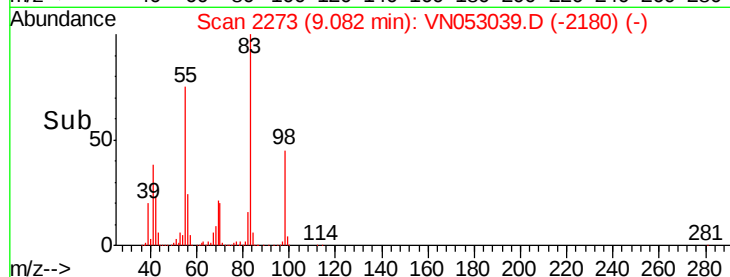
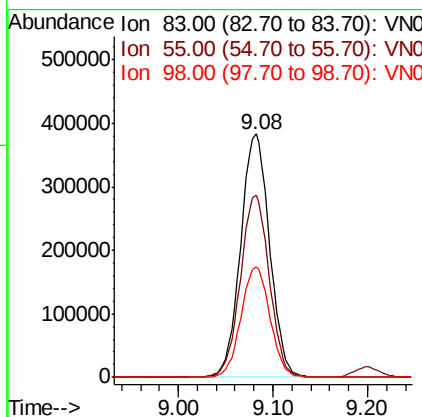
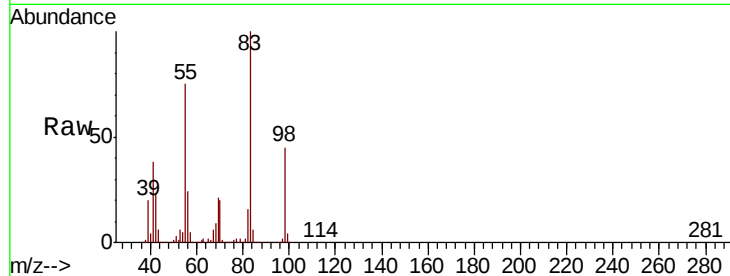
#39
Methvlcvclohexane
Concen: 46.913 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.3	91.9
98	45.5	37.0	55.4

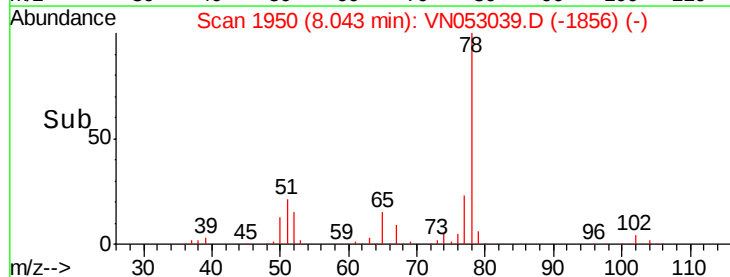
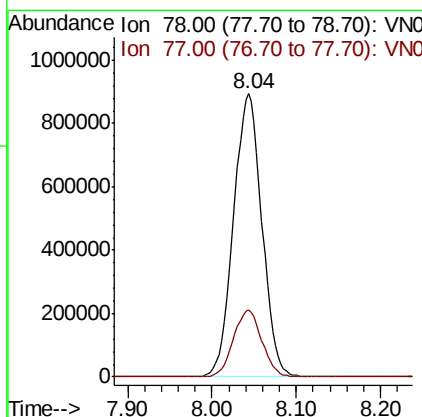
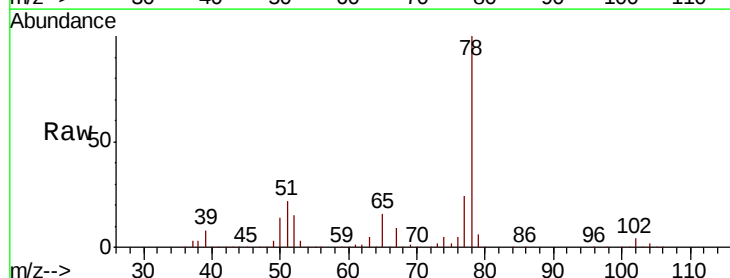
Manual Integrations
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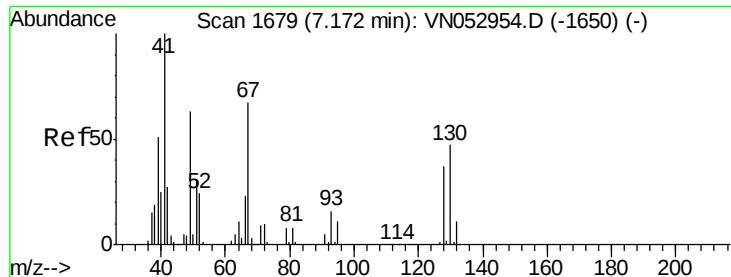
MMDadoda
12/20/2018 12:13:05 PM



#40
Benzene
Concen: 49.203 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





#41

Methacrylonitrile

Concen: 60.262 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 41 Resp: 278185

Ion Ratio Lower Upper

41 100

39 54.1 48.0 72.0

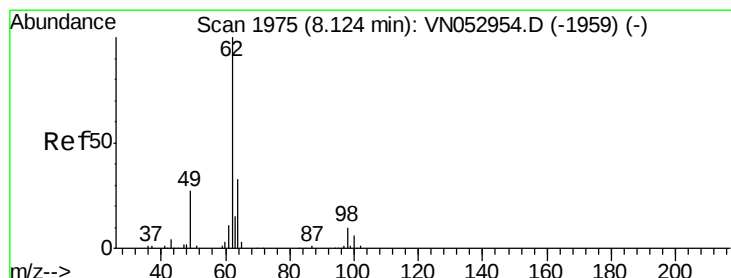
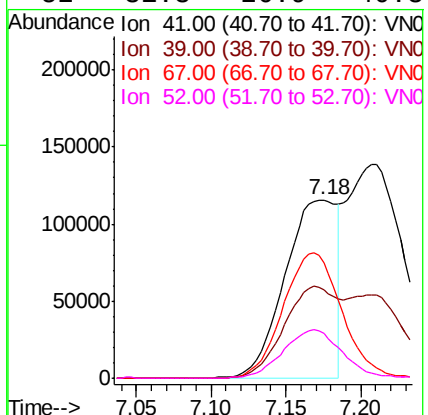
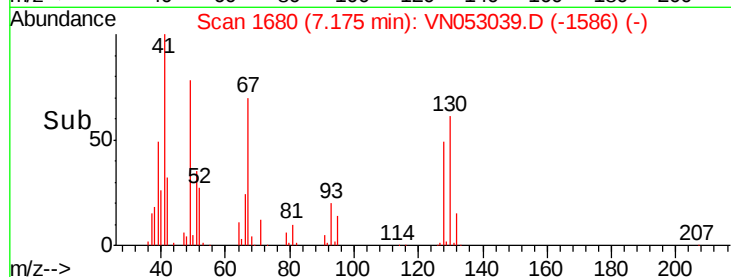
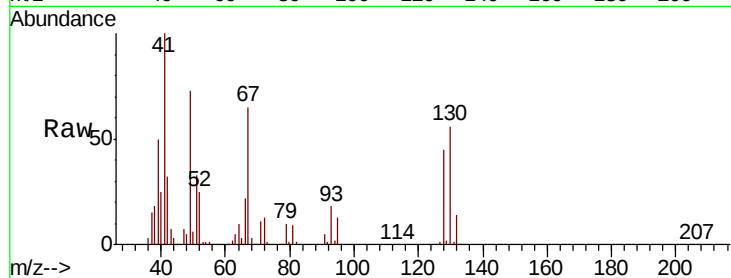
67 79.7 70.3 105.5

52 31.3 26.9 40.3

Manual Integrations
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12/20/2018 12:13:05 PM



#42

1,2-Dichloroethane

Concen: 52.638 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053039.D

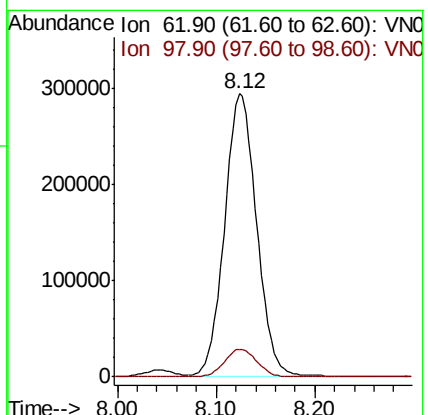
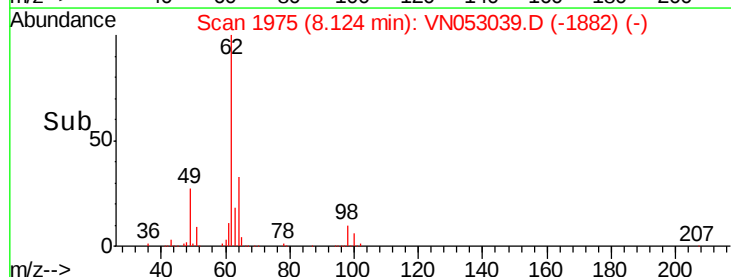
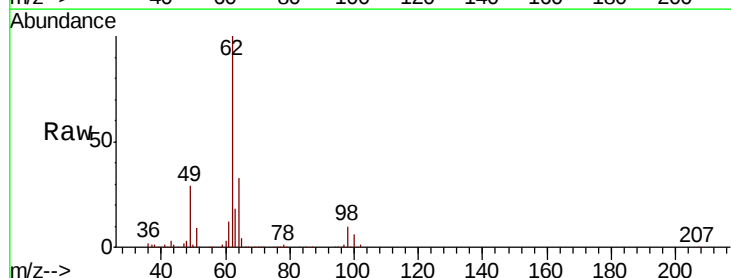
Acq: 20 Dec 2018 4:37

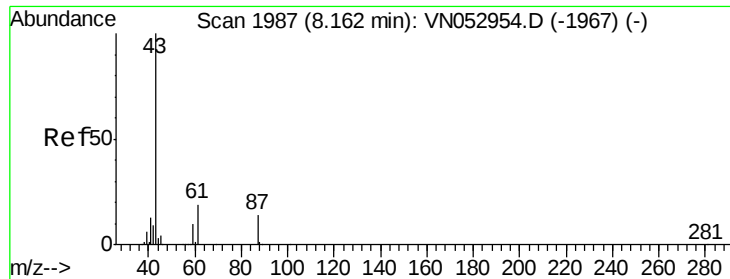
Tgt Ion: 62 Resp: 661963

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.0





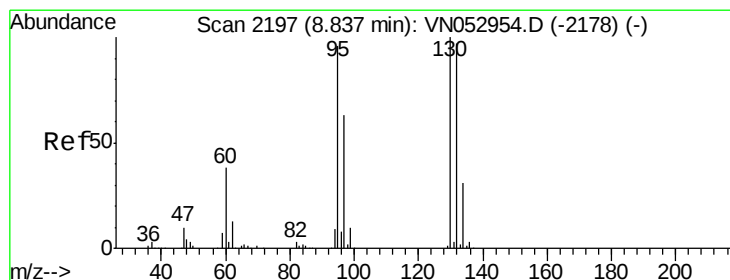
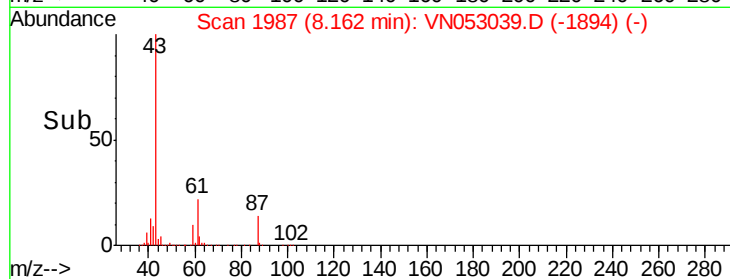
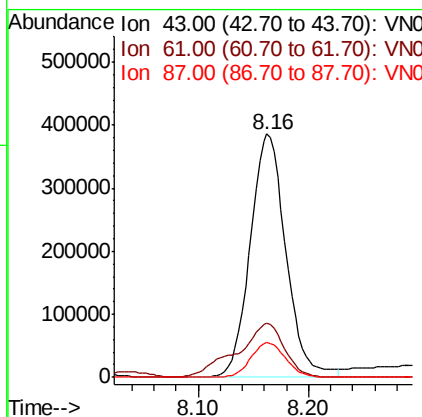
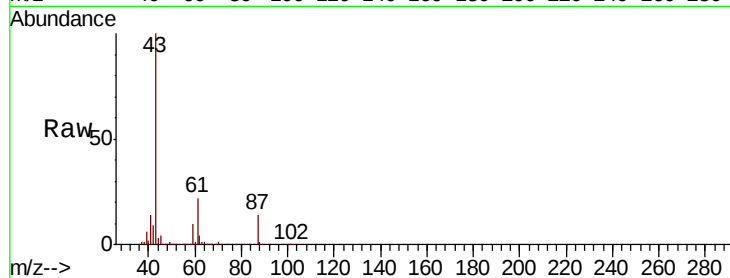
#43
Isopropyl Acetate
Concen: 55.887 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.9	34.3
87	13.9	10.6	15.8

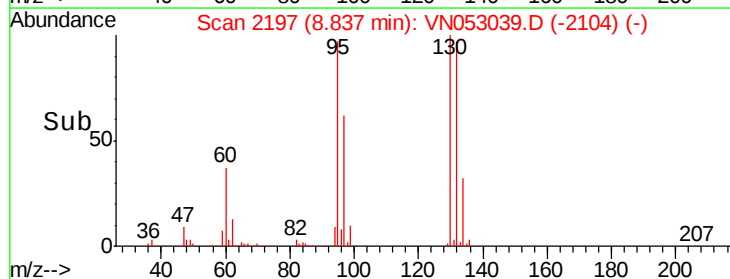
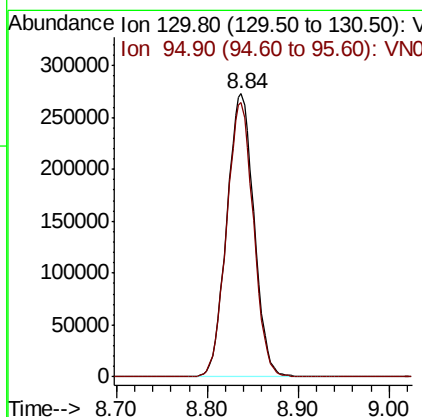
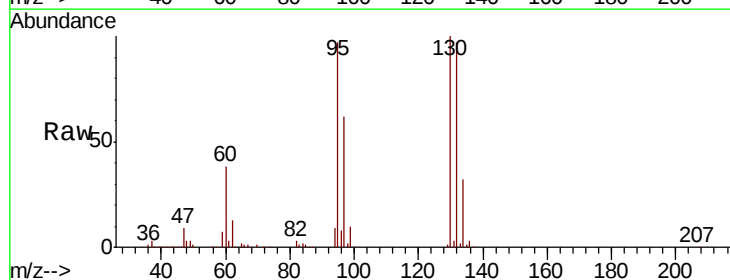
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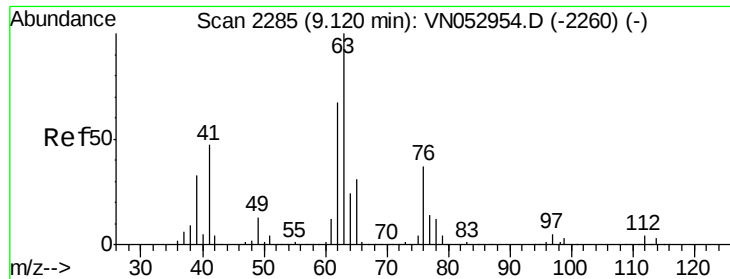
MMDadoda
12/20/2018 12:13:05 PM



#44
Trichloroethene
Concen: 45.985 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.8





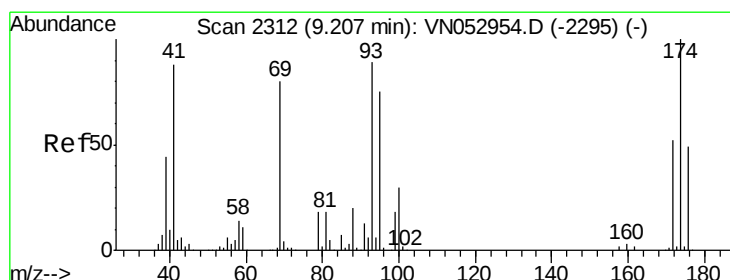
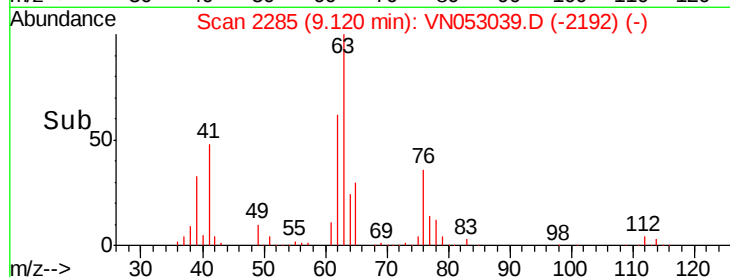
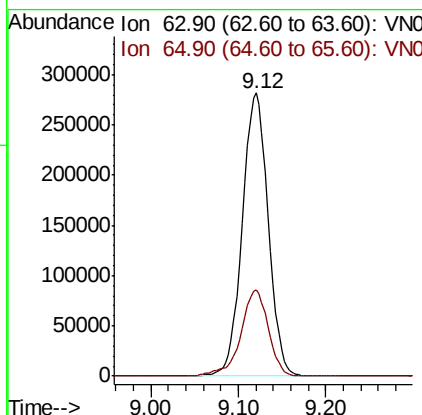
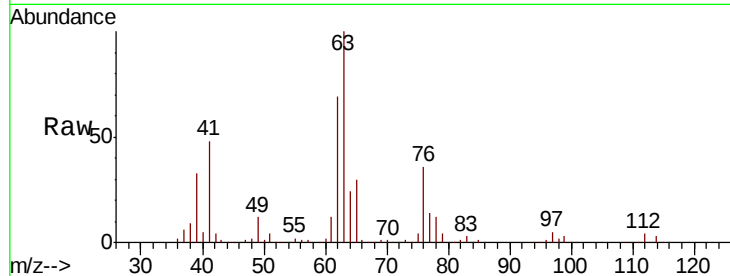
#45
 1,2-Dichloropropane
 Concen: 52.297 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion: 63 Resp: 579879
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0

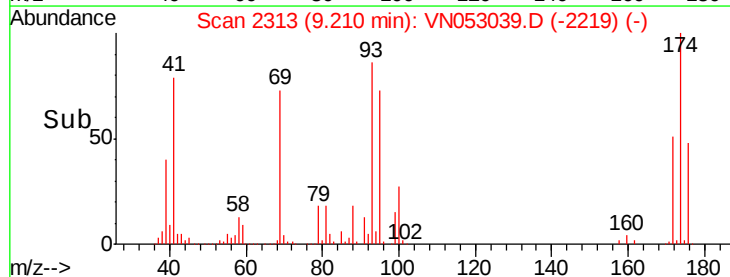
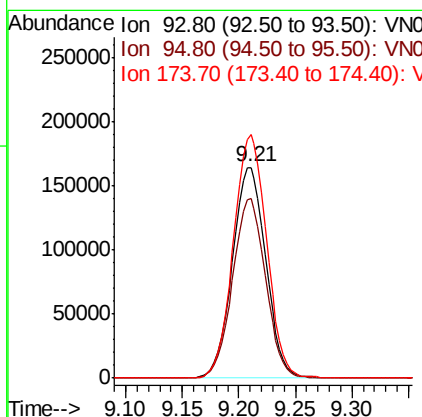
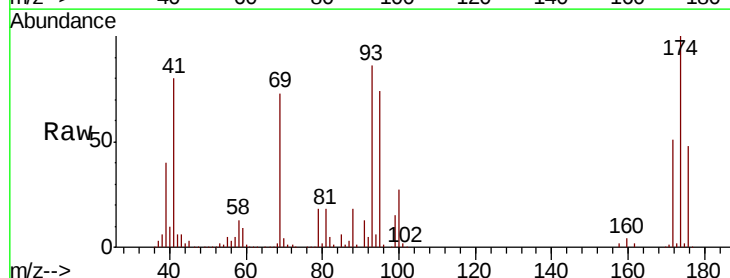
Manual Integrations
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 12/20/2018 12:13:05 PM



#46
 Dibromomethane
 Concen: 52.319 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion: 93 Resp: 337948
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.8 101.6
 174 115.0 89.0 133.4





#47

Bromodichloromethane

Concen: 50.708 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

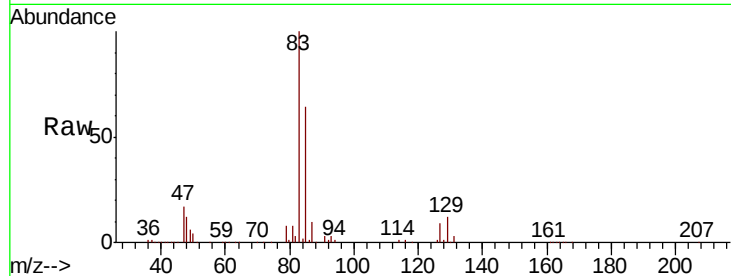
ClientSampleId :

EP1-MW-K(12-13FT)1218MS

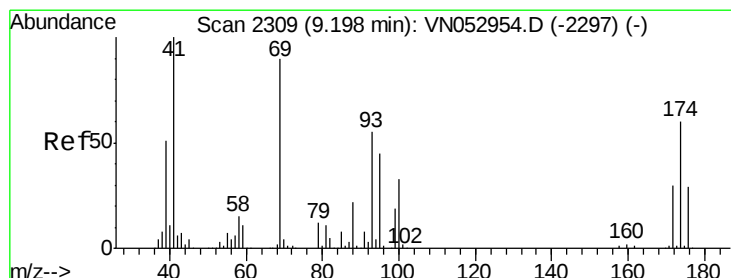
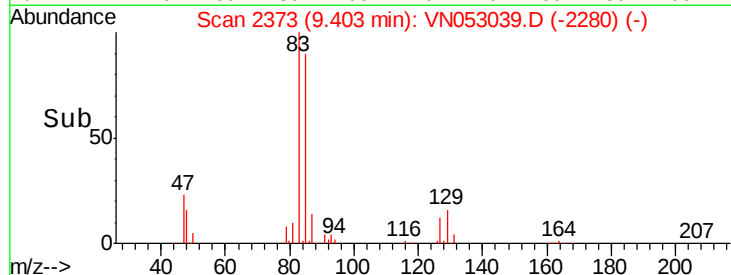
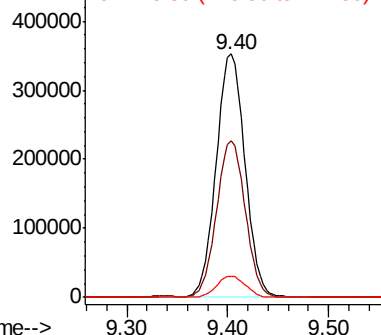
Tot Ion:	83	Resp:	696248
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.6	77.4
127	8.8	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053039.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.613 ug/l

RT: 9.20 min Scan# 2309

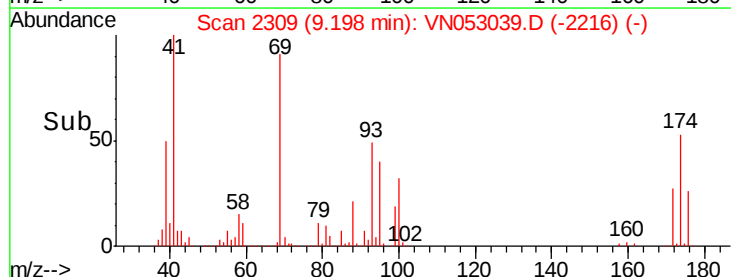
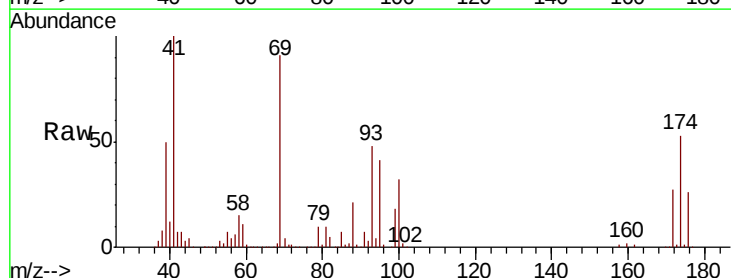
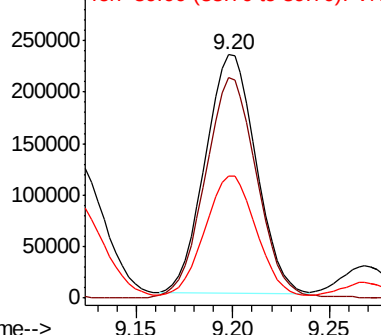
Delta R.T. -0.00 min

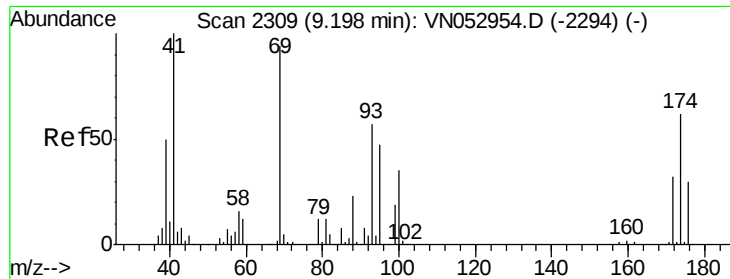
Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion:	41	Resp:	423396
Ion Ratio	Lower	Upper	
41	100		
69	93.4	72.2	108.2
39	52.2	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN053039.D (-2216) (-)





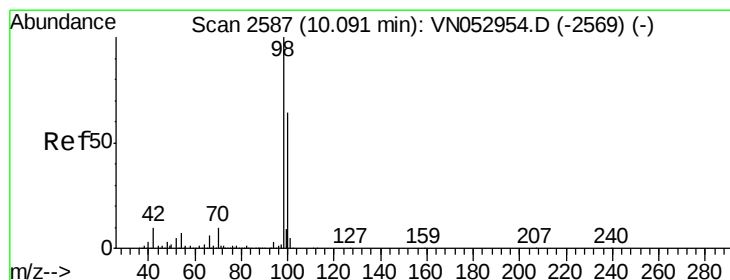
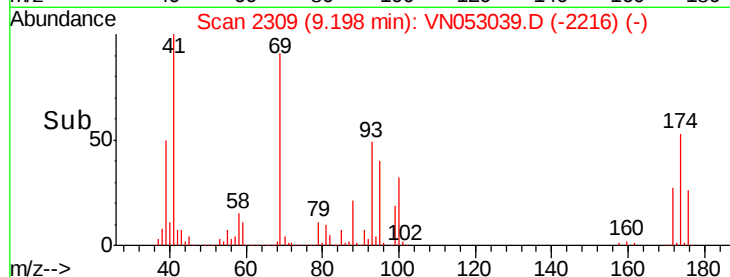
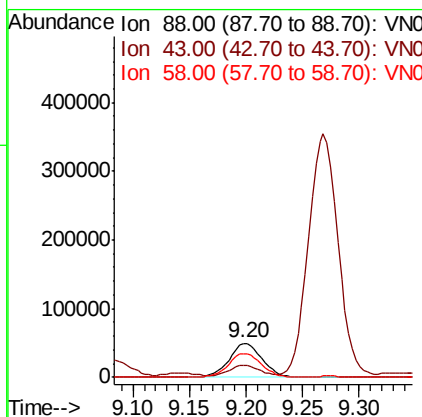
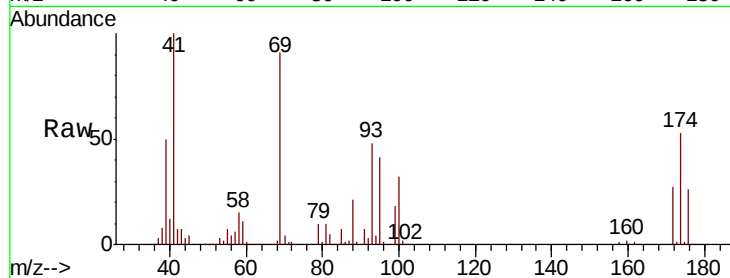
#49
1,4-Dioxane
Concen: 1026.751 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 88 Resp: 100692
Ion Ratio Lower Upper
88 100
43 25.5 26.6 40.0#
58 69.3 58.4 87.6

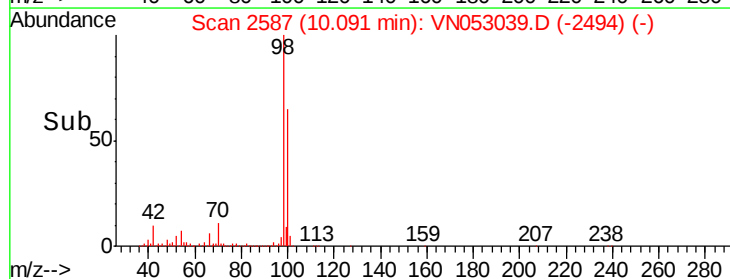
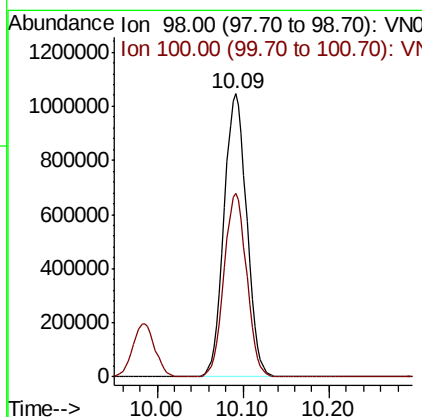
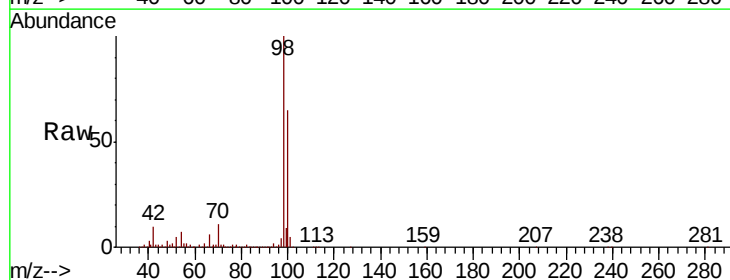
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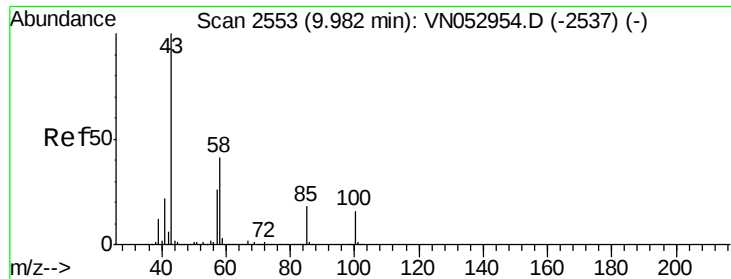
MMDadoda
12/20/2018 12:13:05 PM



#50
Toluene-d8
Concen: 1026.751 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 98 Resp: 1923956
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





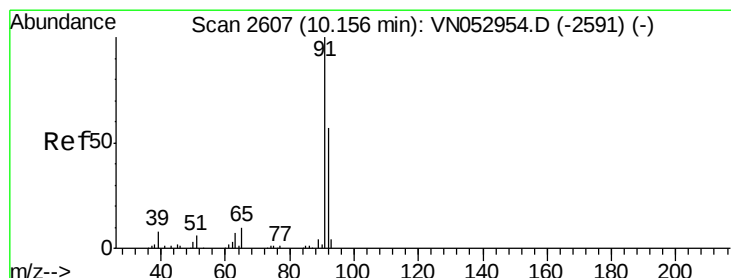
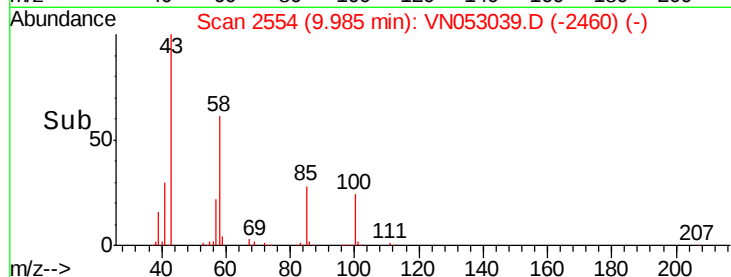
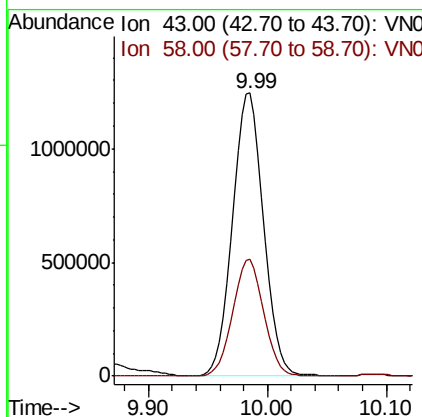
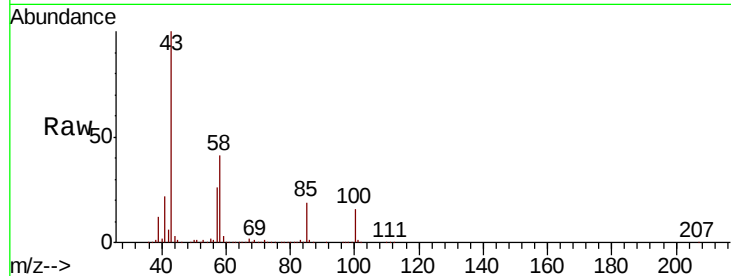
#51
4-Methyl-2-Pentanone
Concen: 289.840 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 43 Resp: 2242536
Ion Ratio Lower Upper
43 100
58 41.3 32.2 48.4

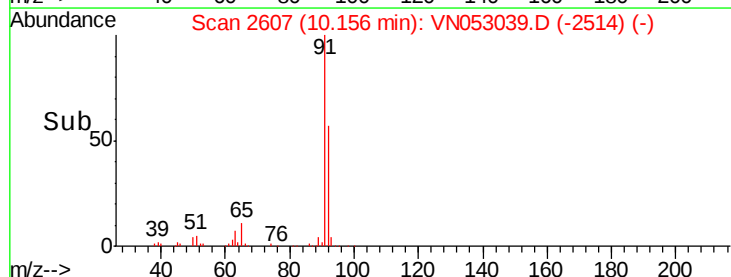
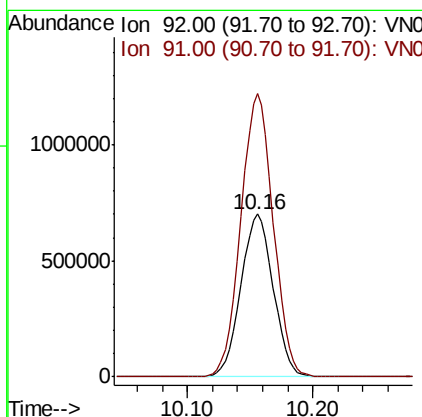
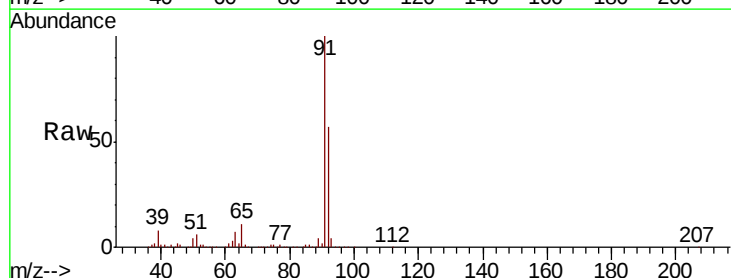
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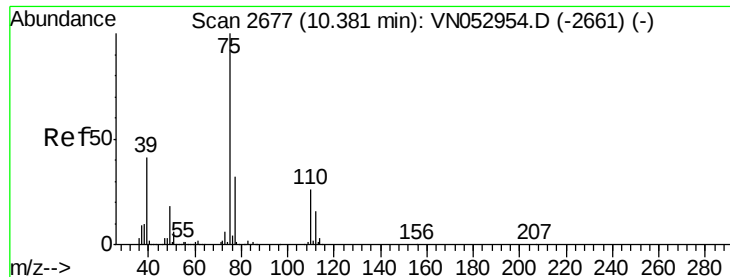
MMDadoda
12/20/2018 12:13:05 PM



#52
Toluene
Concen: 47.604 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 92 Resp: 1256079
Ion Ratio Lower Upper
92 100
91 174.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 48.252 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 75 Resp: 696664

Ion Ratio Lower Upper

75 100

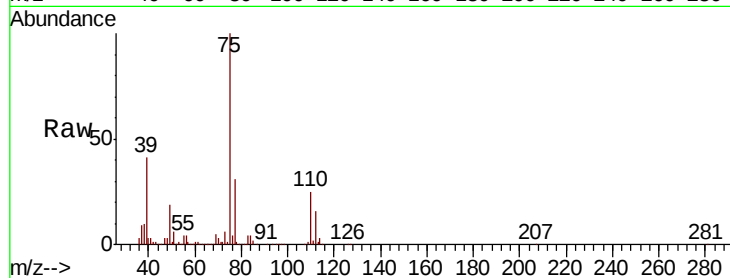
77 30.8 25.6 38.4

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

10.38

400000

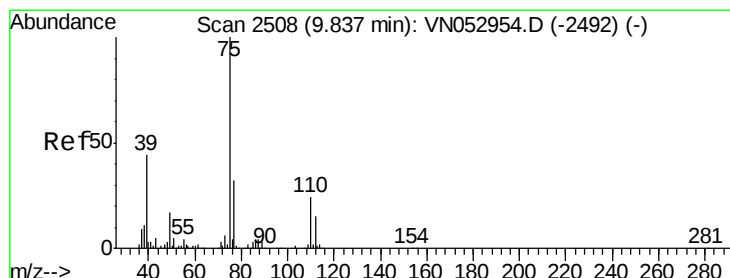
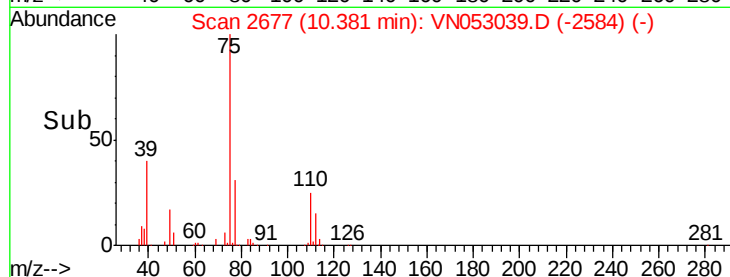
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.005 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

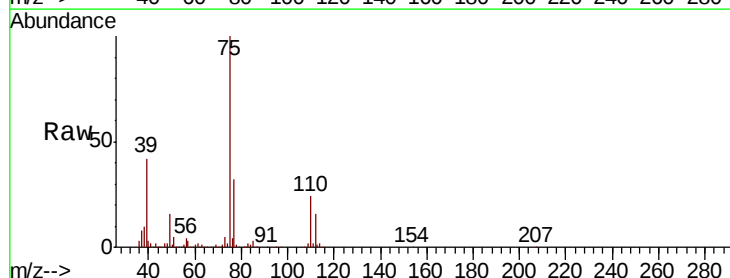
Tgt Ion: 75 Resp: 812140

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 42.0 34.8 52.2



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

9.84

600000

500000

400000

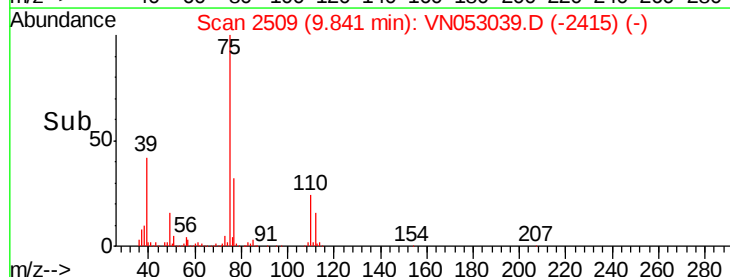
300000

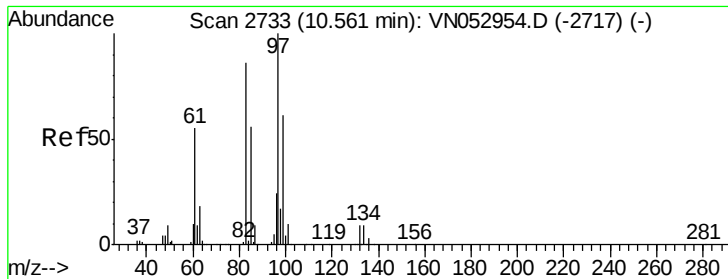
200000

100000

0

Time-->





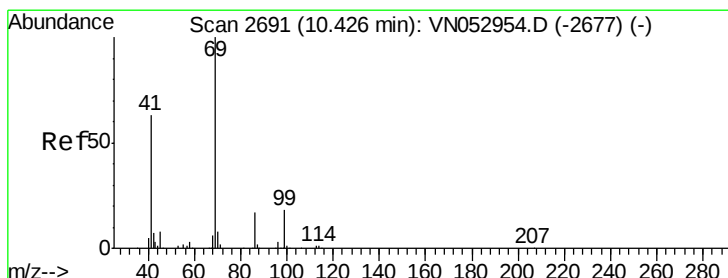
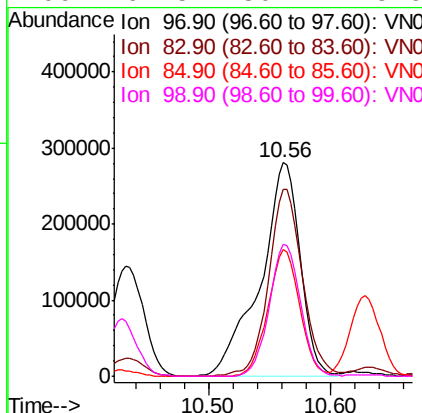
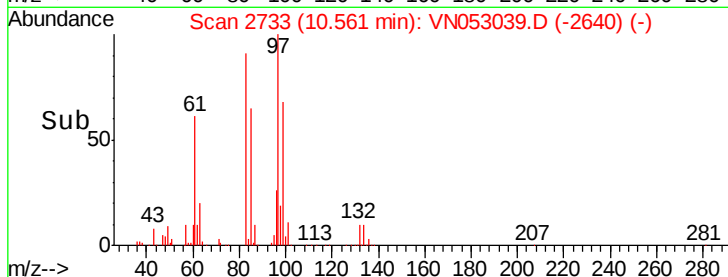
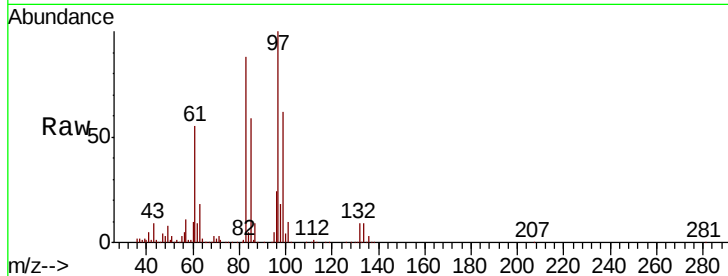
#55
 1,1,2-Trichloroethane
 Concen: 69.637 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion:	97	Resp:	641019
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.9	106.3
85	59.3	45.4	68.2
99	61.5	50.4	75.6

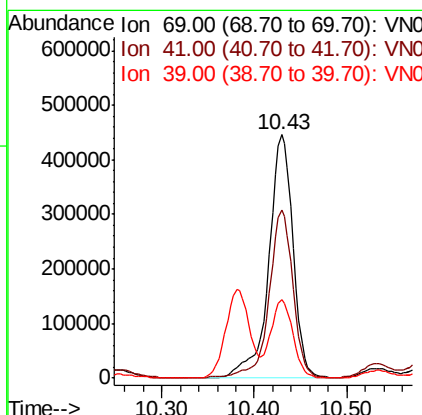
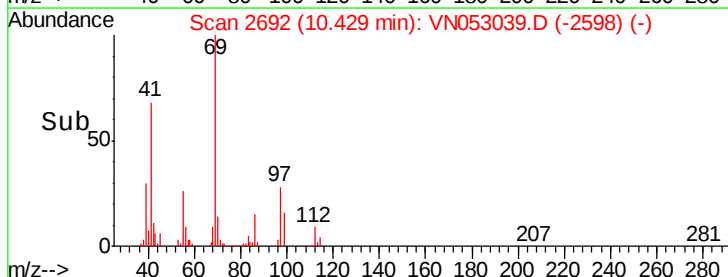
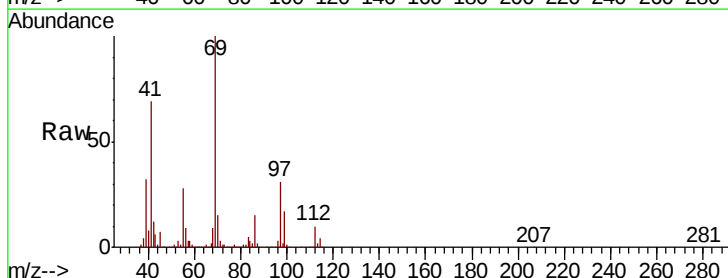
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#56
 Ethyl methacrylate
 Concen: 66.803 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion:	69	Resp:	813919
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 54.055 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 76 Resp: 853275

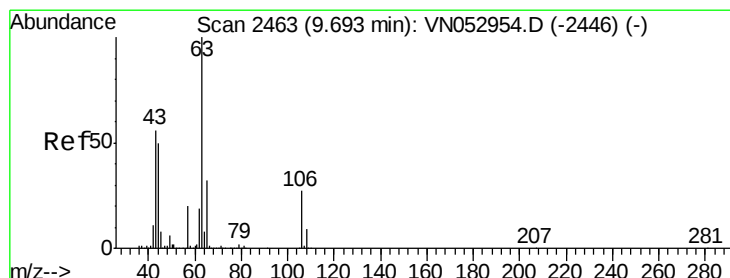
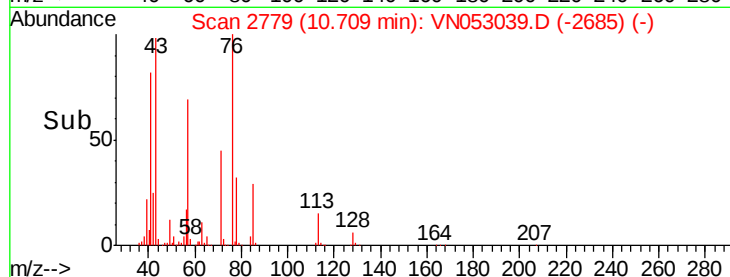
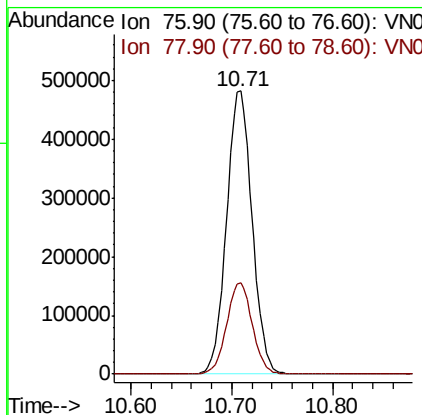
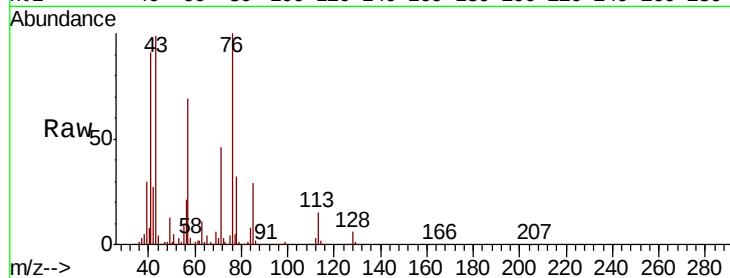
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8

Manual Integrations
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12/20/2018 12:13:05 PM



#58

2-Chloroethyl Vinyl ether

Concen: 282.717 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053039.D

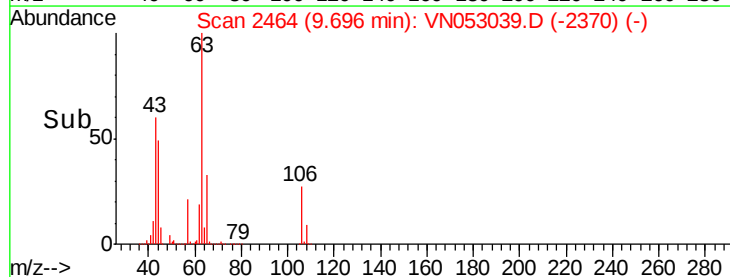
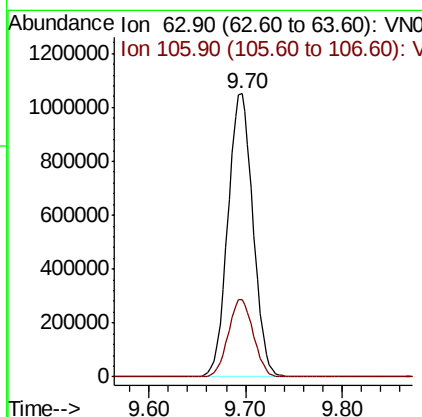
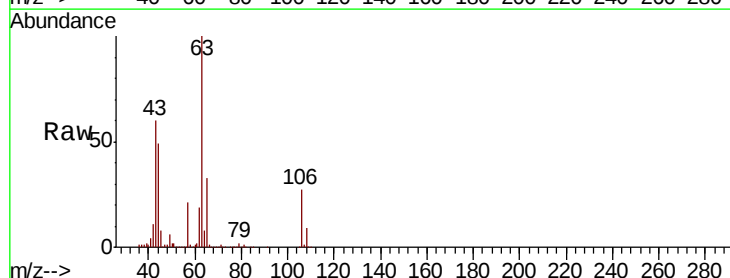
Acq: 20 Dec 2018 4:37

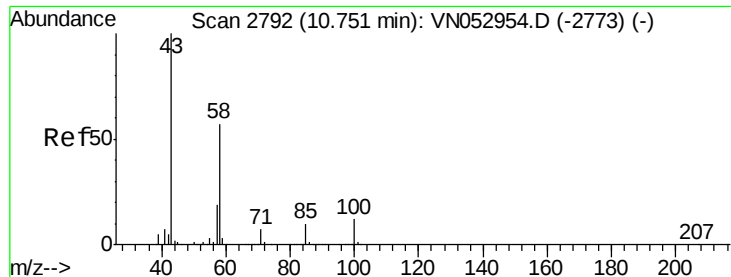
Tgt Ion: 63 Resp: 1891081

Ion Ratio Lower Upper

63 100

106 27.3 21.0 31.6





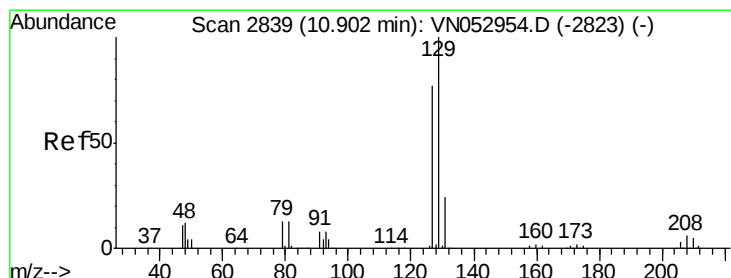
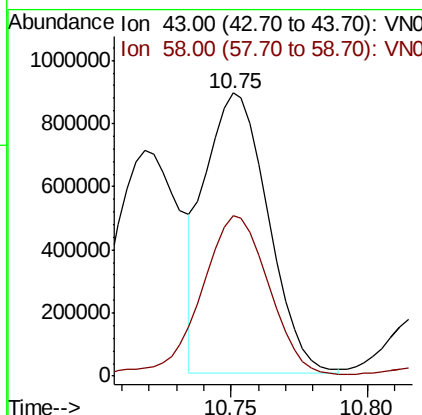
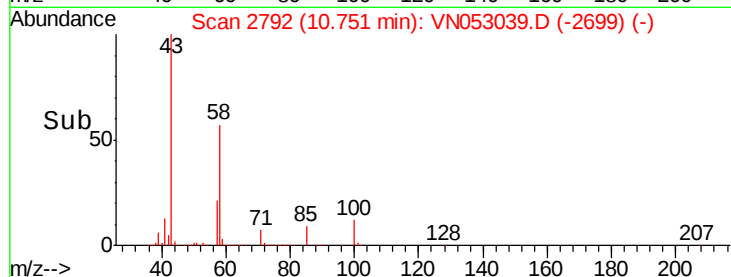
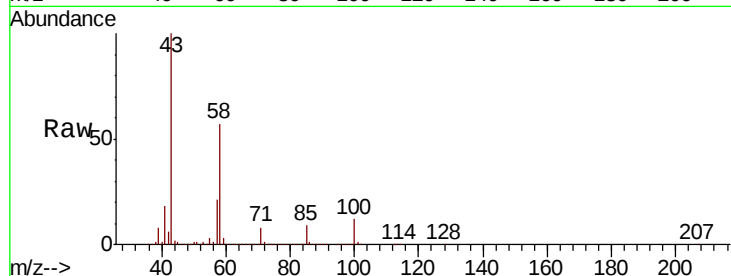
#59
2-Hexanone
Concen: 270.583 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion: 43 Resp: 1416455
Ion Ratio Lower Upper
43 100
58 62.8 28.1 84.3

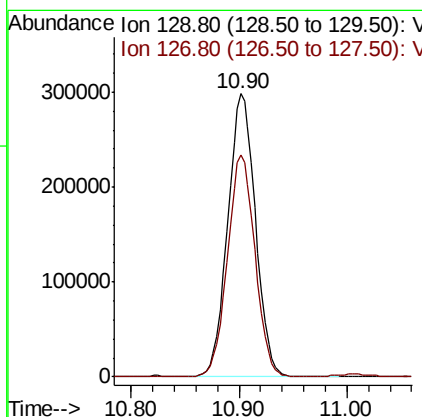
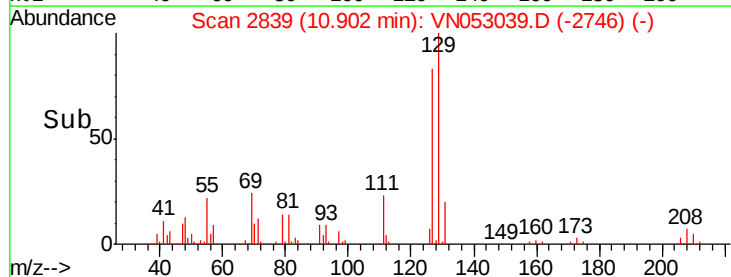
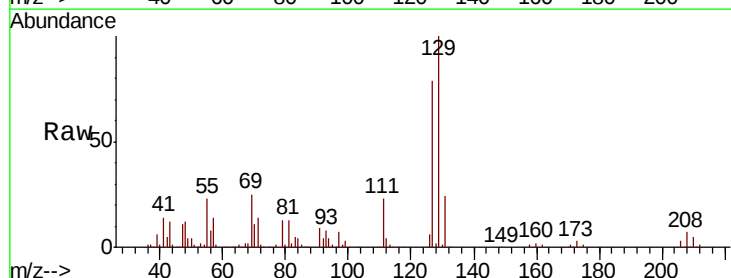
Manual Integrations
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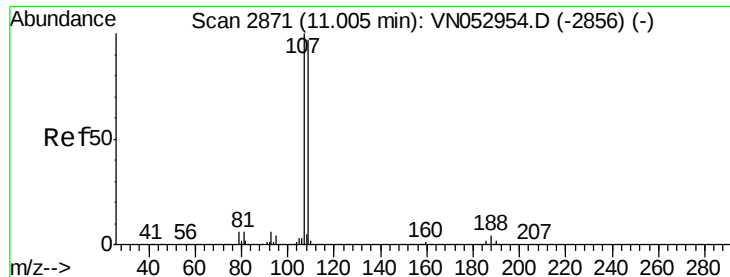
MMDadoda
12/20/2018 12:13:05 PM



#60
Dibromochloromethane
Concen: 50.720 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 129 Resp: 534438
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.263 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 107 Resp: 497946

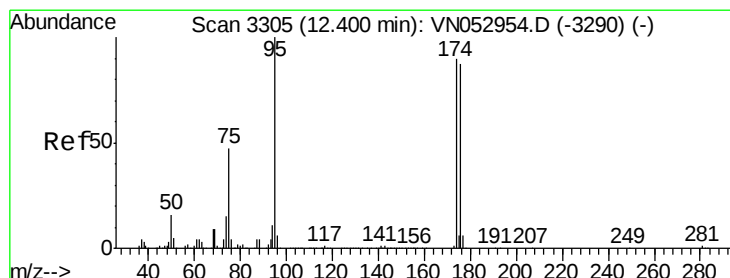
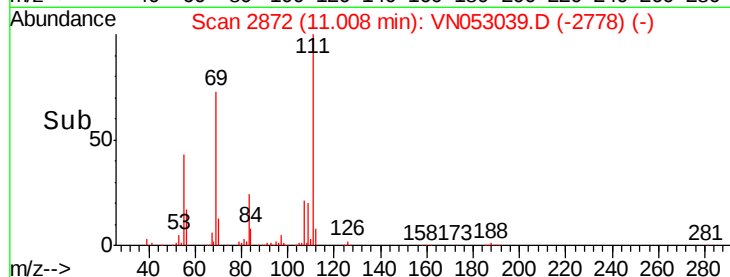
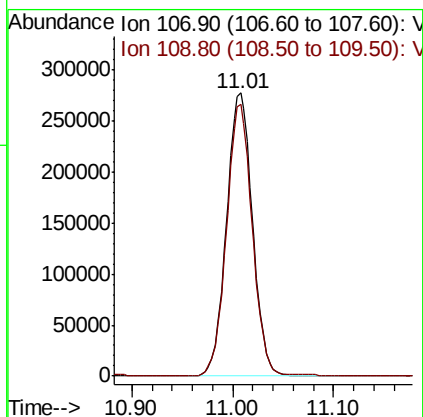
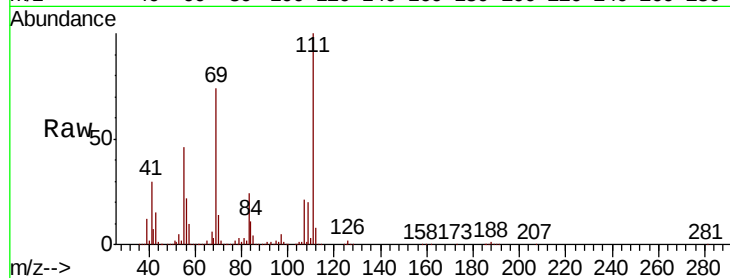
Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.0

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12/20/2018 12:13:05 PM



#62

4-Bromofluorobenzene

Concen: 53.263 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

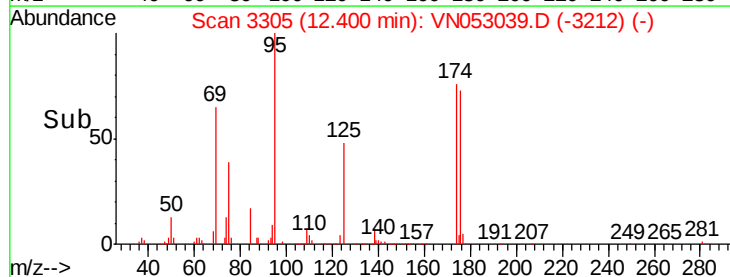
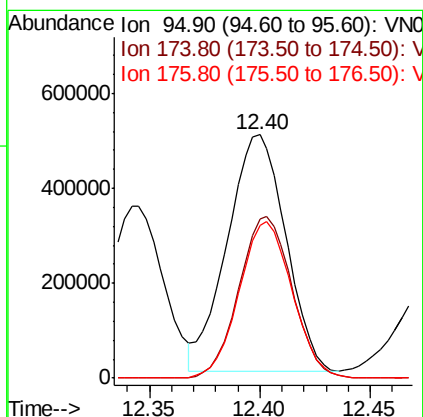
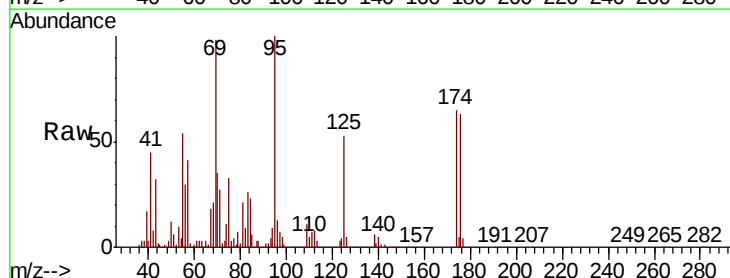
Tgt Ion: 95 Resp: 915735

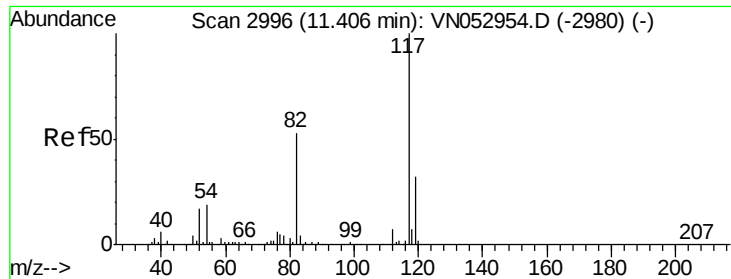
Ion Ratio Lower Upper

95 100

174 62.2 0.0 178.8

176 60.1 0.0 173.8





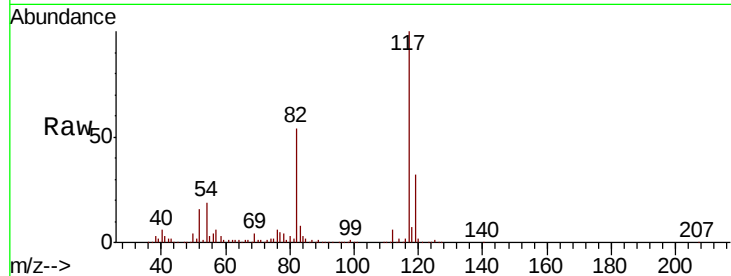
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.8	64.2
119	31.9	25.5	38.3

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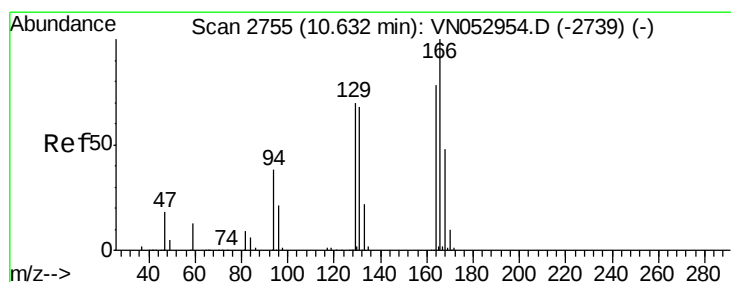
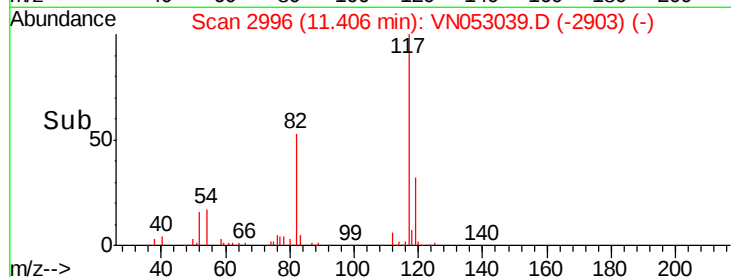
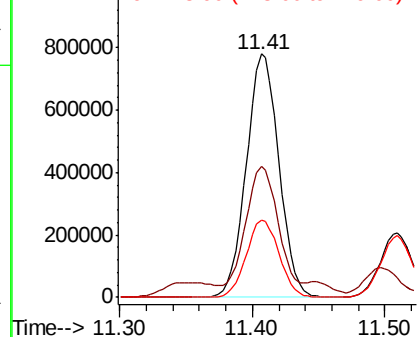


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.067 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.9	154.3
129	91.1	73.7	110.5
131	88.0	70.7	106.1

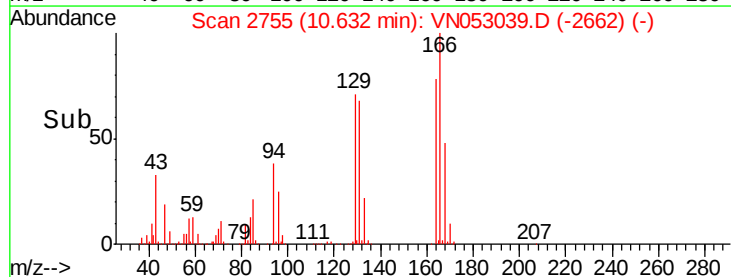
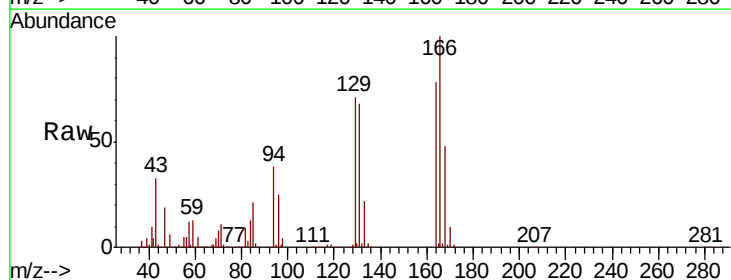
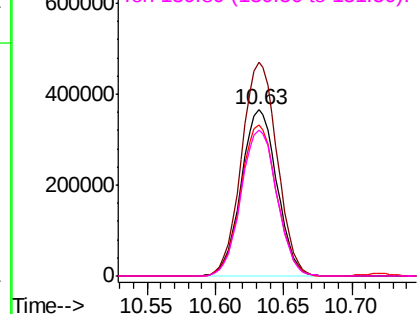
Abundance

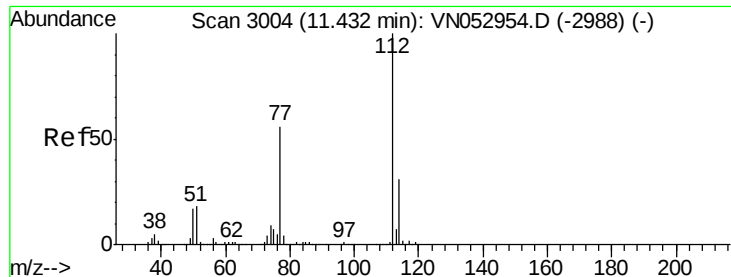
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





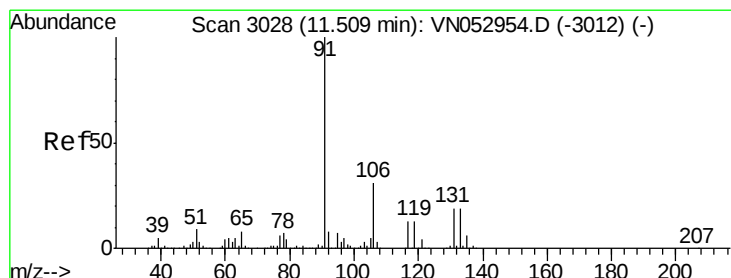
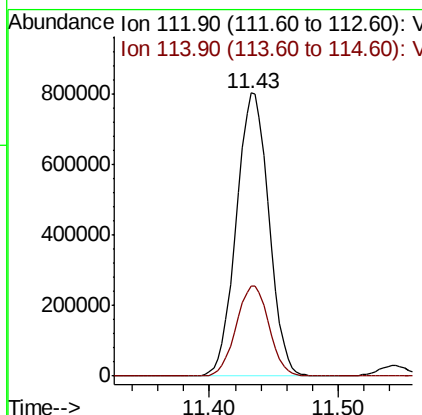
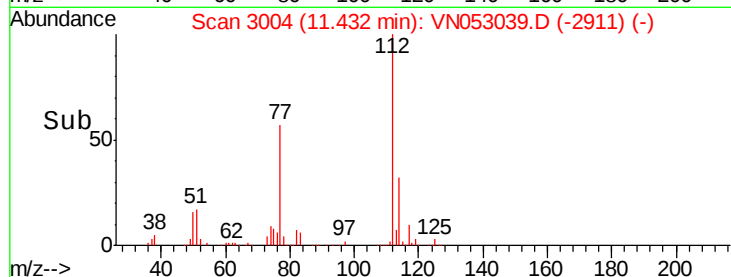
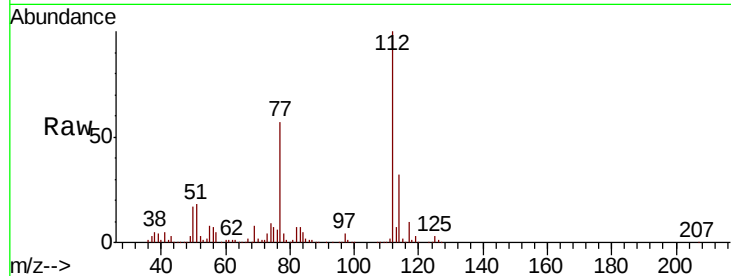
#65
Chlorobenzene
Concen: 47.685 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:112 Resp: 1408615
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

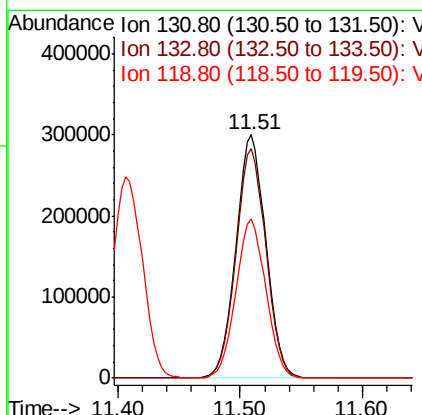
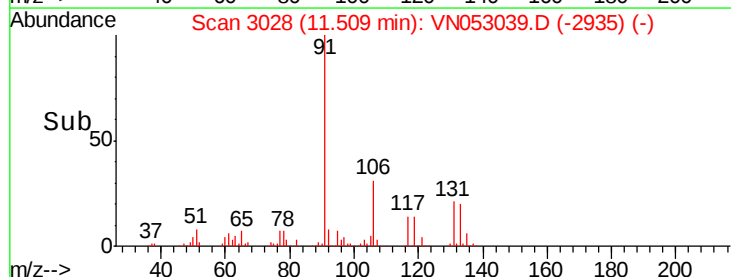
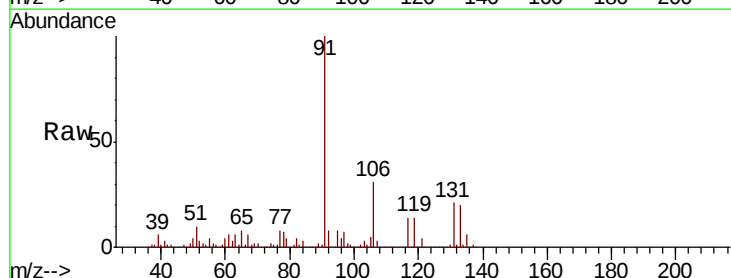
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:131 Resp: 507163
Ion Ratio Lower Upper
131 100
133 94.8 47.6 142.9
119 65.7 33.3 99.8





#67

Ethyl Benzene

Concen: 46.681 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 91 Resp: 2371472

Ion Ratio Lower Upper

91 100

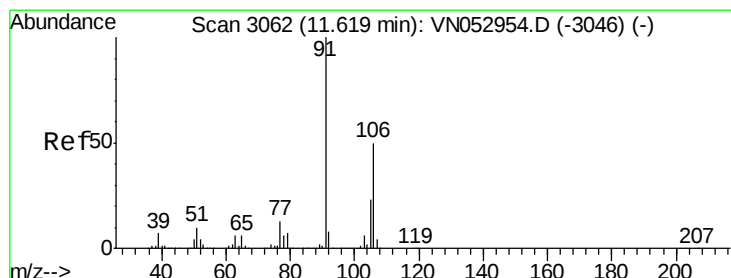
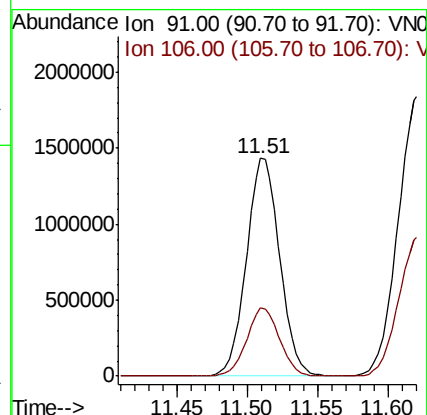
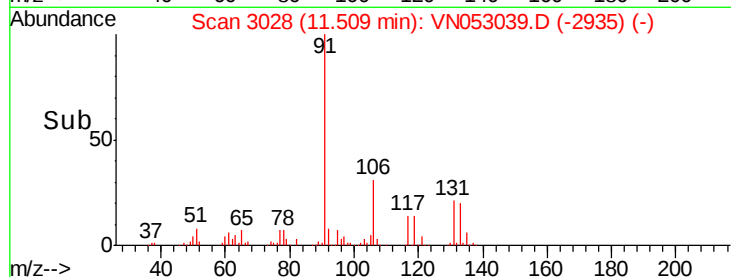
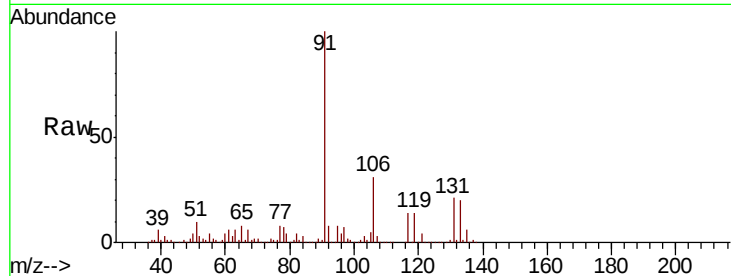
106 31.2 24.9 37.3

Manual Integrations

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12/20/2018 12:13:05 PM



#68

m/p-Xylenes

Concen: 92.136 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053039.D

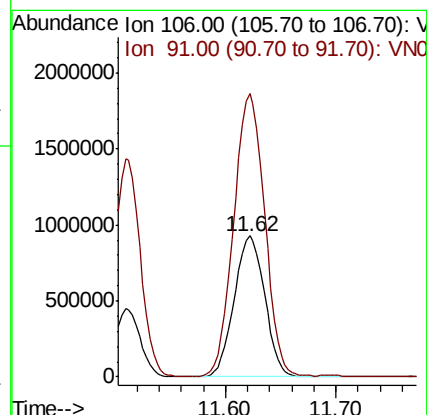
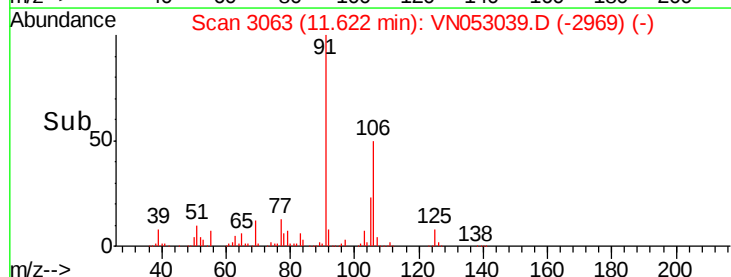
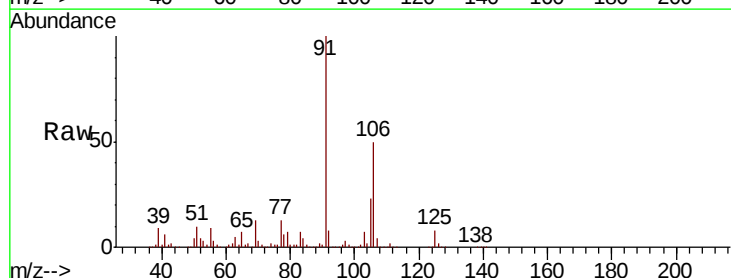
Acq: 20 Dec 2018 4:37

Tgt Ion: 106 Resp: 1779376

Ion Ratio Lower Upper

106 100

91 203.1 162.2 243.4





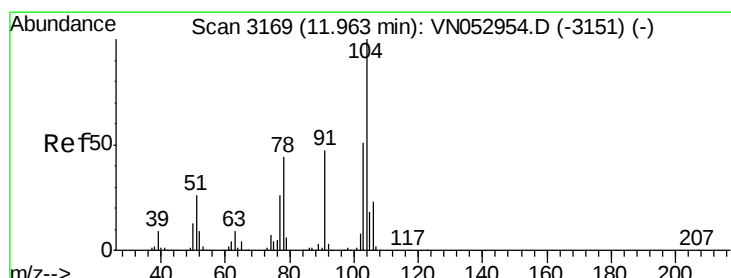
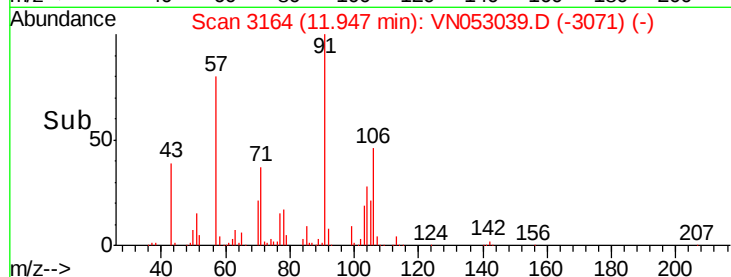
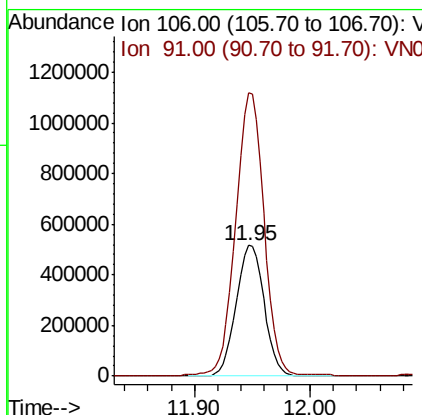
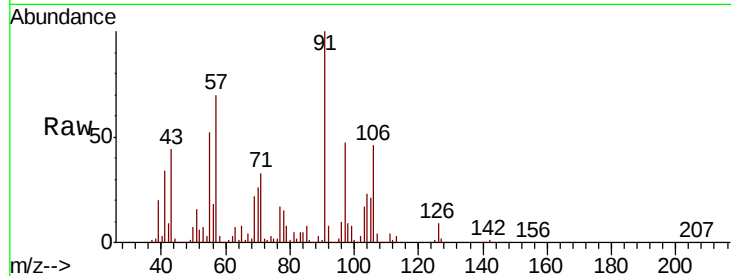
#69
o-Xylene
Concen: 46.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:106 Resp: 863510
Ion Ratio Lower Upper
106 100
91 219.7 106.6 319.8

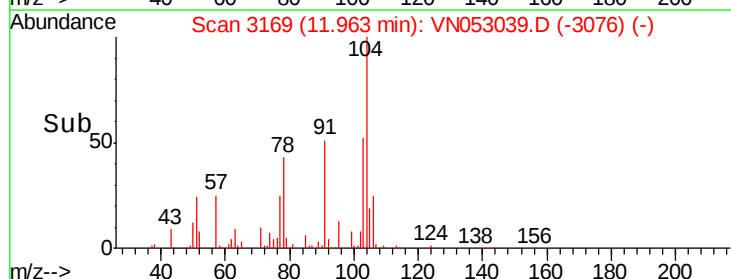
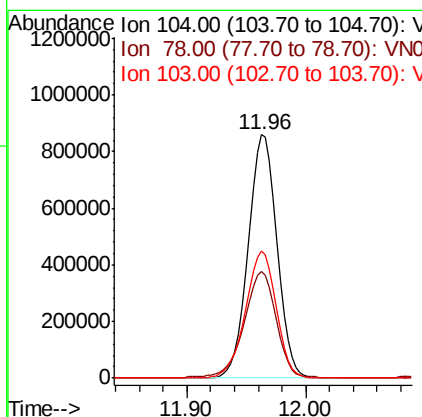
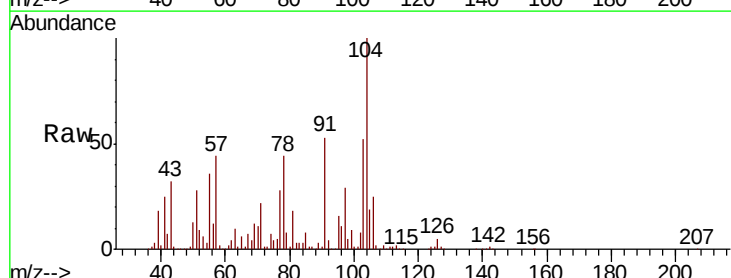
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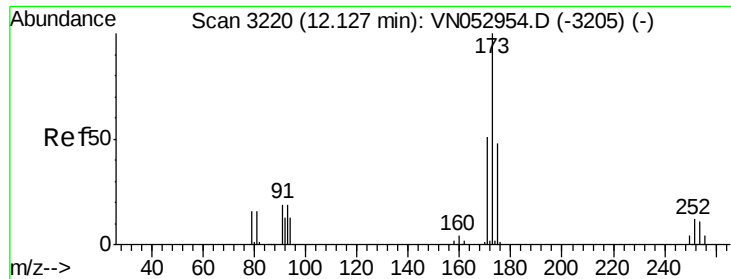
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#70
Styrene
Concen: 47.579 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:104 Resp: 1437753
Ion Ratio Lower Upper
104 100
78 49.5 38.9 58.3
103 56.0 44.3 66.5





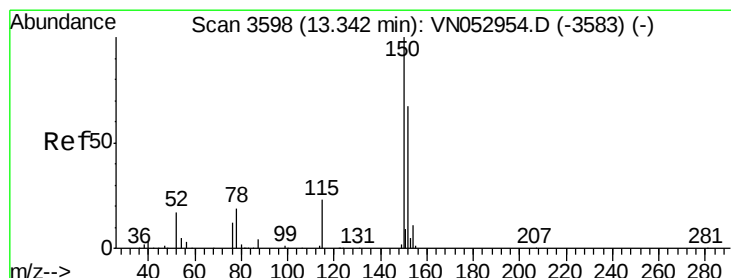
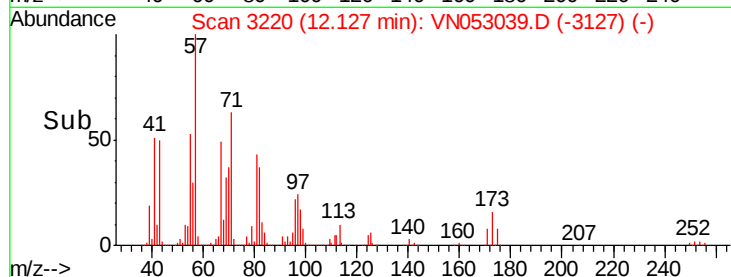
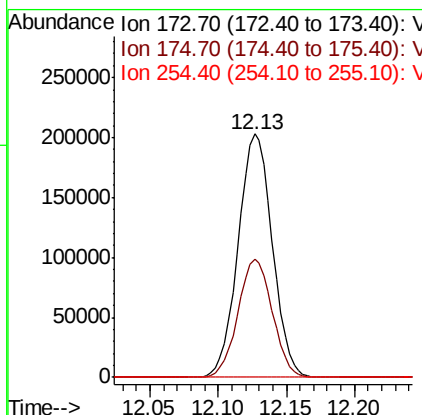
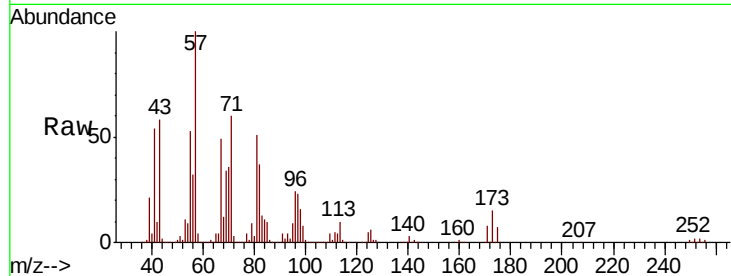
#71
Bromoform
Concen: 47.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.1	0.1	0.1#

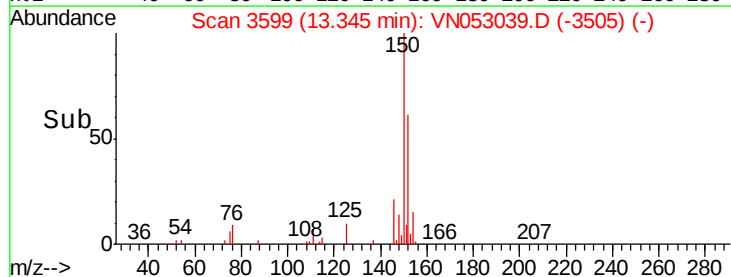
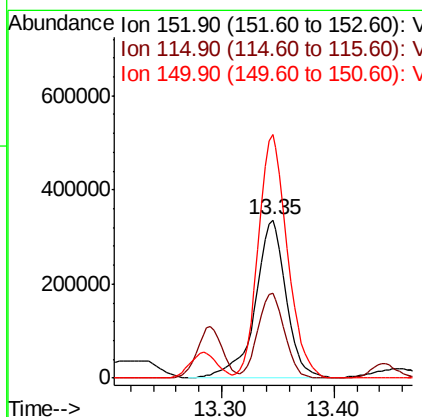
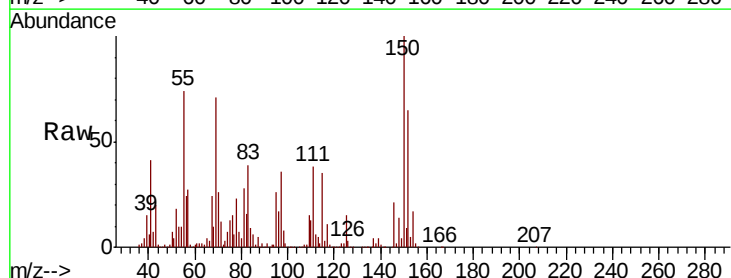
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	46.5	28.3	85.0
150	146.3	0.0	347.8





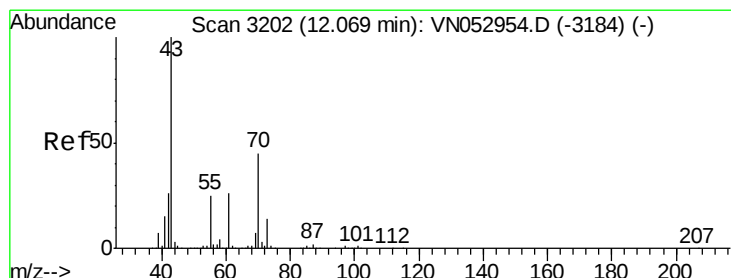
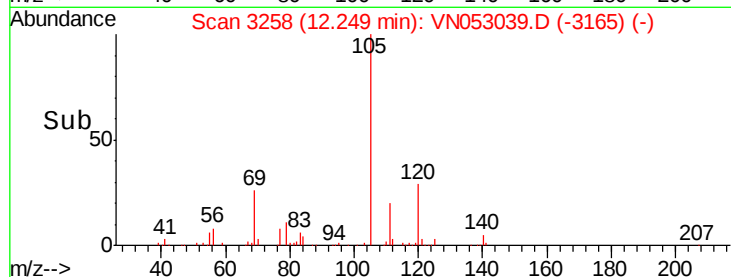
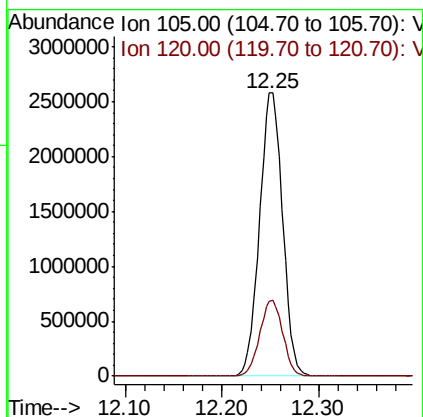
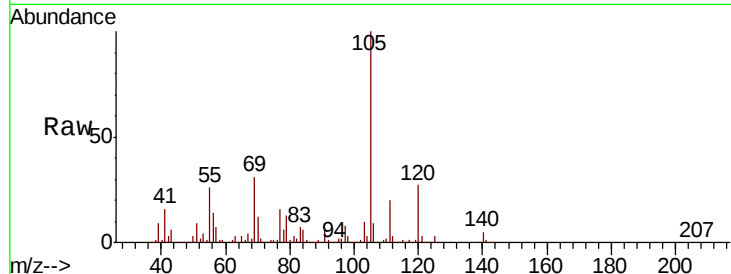
#73
Isopropylbenzene
Concen: 86.358 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion:105 Resp: 4247697
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

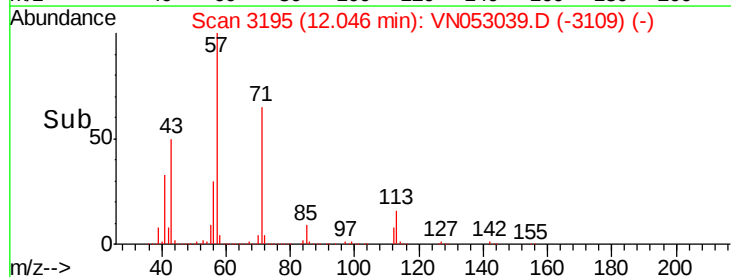
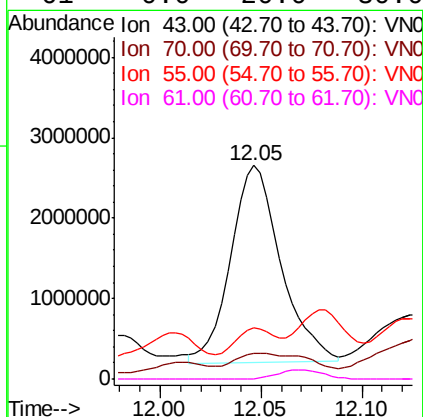
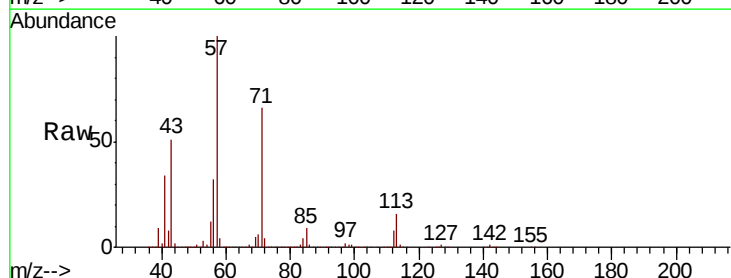
Manual Integrations
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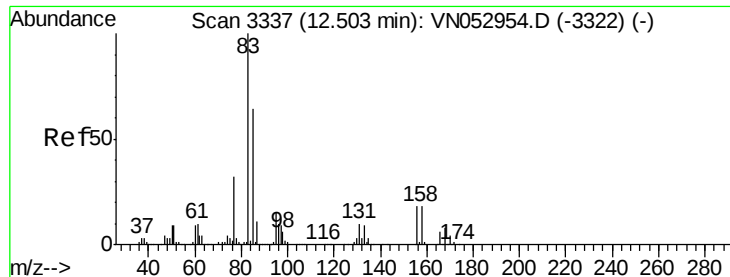
MMDadoda
12/20/2018 12:13:05 PM



#74
N-ethyl acetate
Concen: 314.903 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 4300336
Ion Ratio Lower Upper
43 100
70 9.9 34.2 51.4#
55 12.5 20.3 30.5#
61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 95.130 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

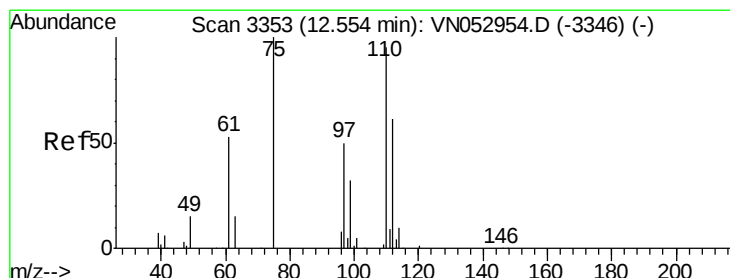
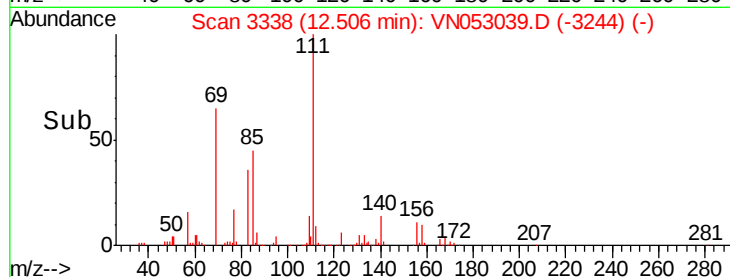
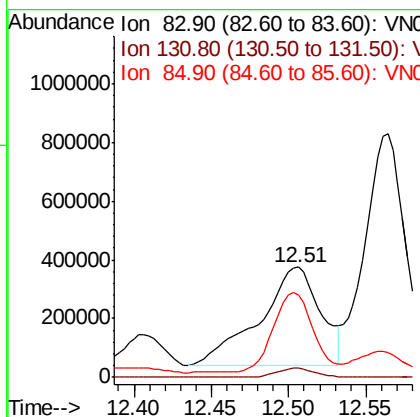
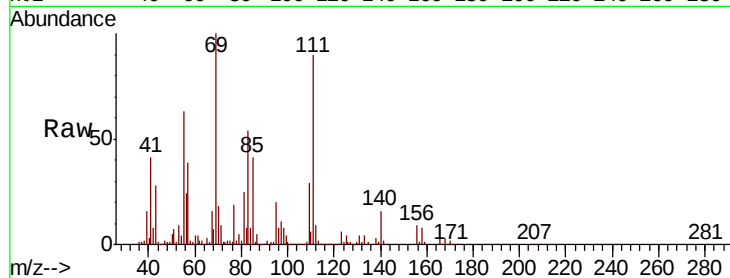
ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion:	83	Resp:	917979
Ion Ratio	Lower	Upper	
83	100		
131	5.9	5.2	15.6
85	53.0	32.4	97.0

Manual Integrations
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12/20/2018 12:13:05 PM



#76

1,2,3-Trichloropropane

Concen: 45.792 ug/l m

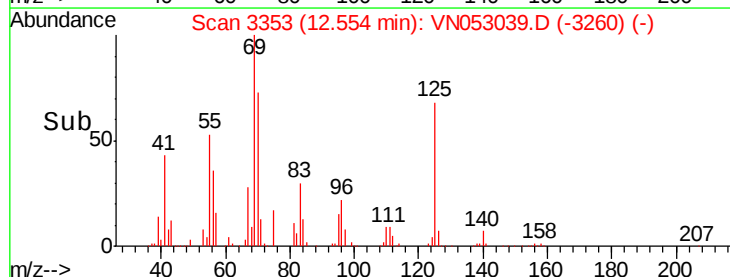
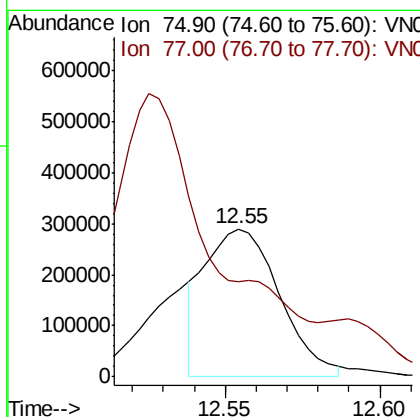
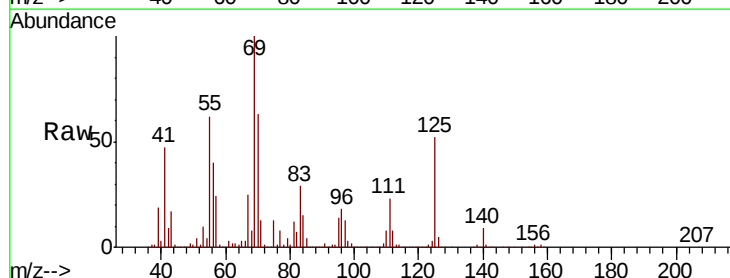
RT: 12.55 min Scan# 3353

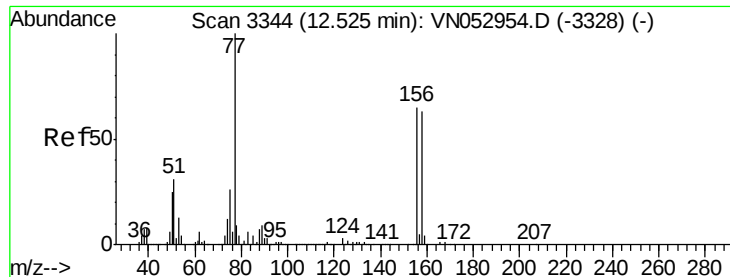
Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion:	75	Resp:	484608
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





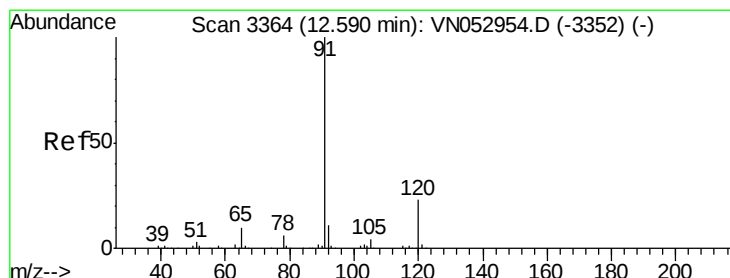
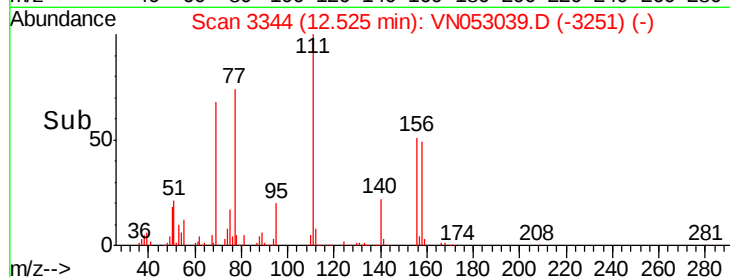
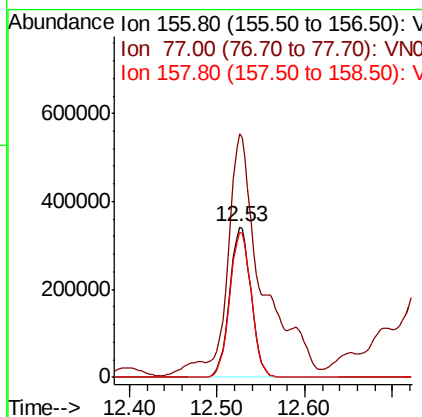
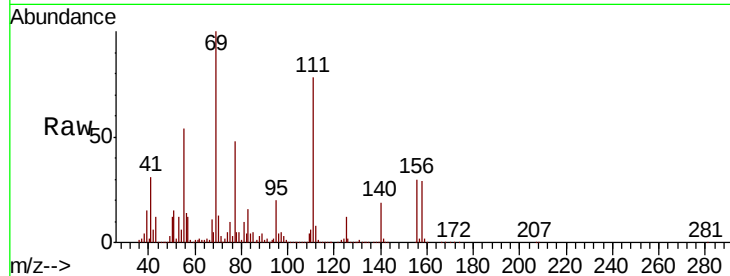
#77
Bromobenzene
Concen: 45.553 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	193.7	91.3	273.8	
158	96.3	49.0	147.2	

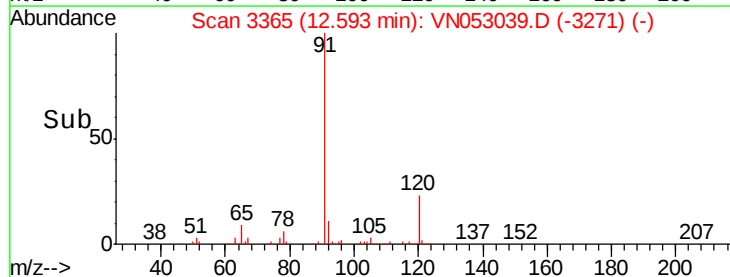
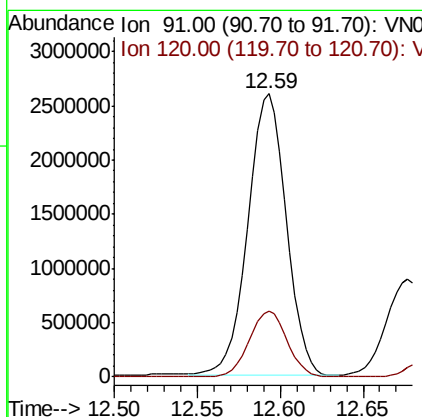
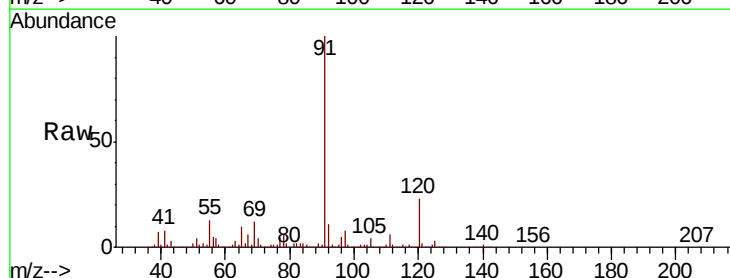
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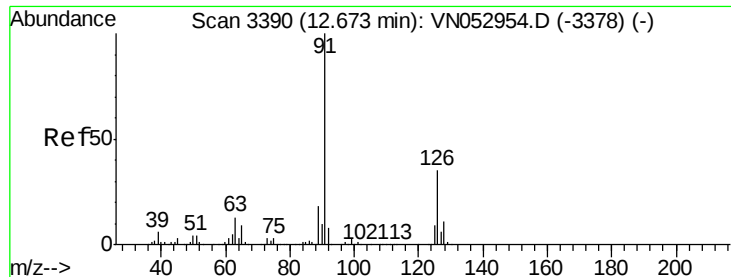
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12/20/2018 12:13:05 PM



#78
n-propylbenzene
Concen: 74.645 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.2	11.5	34.5	





#79

2-Chlorotoluene

Concen: 45.087 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion: 91 Resp: 1565591

Ion Ratio Lower Upper

91 100

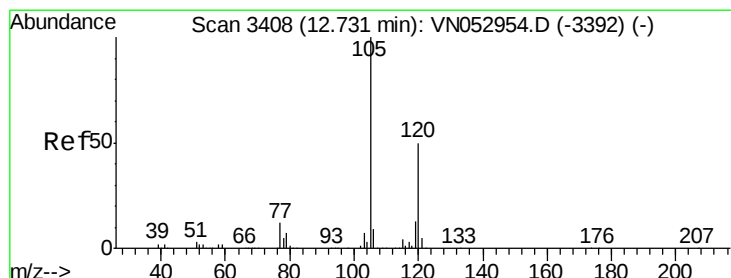
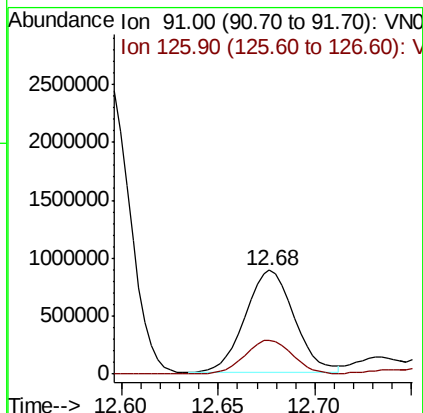
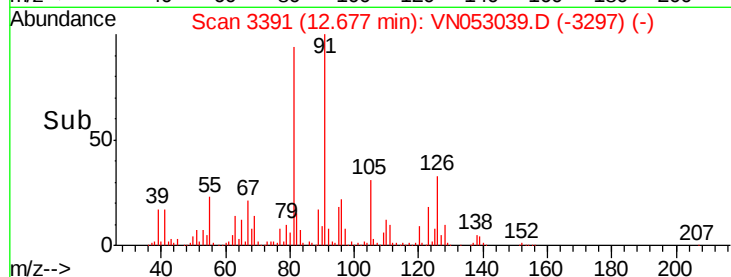
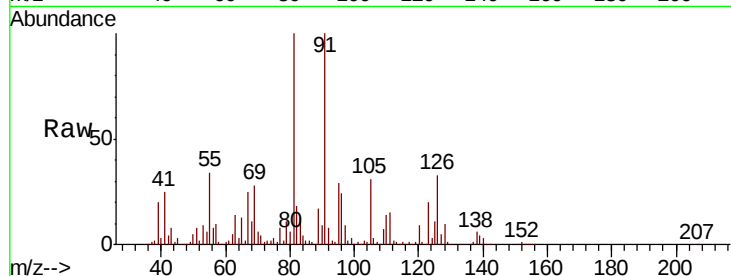
126 32.2 17.4 52.3

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12/20/2018 12:13:05 PM



#80

1,3,5-Trimethylbenzene

Concen: 41.623 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053039.D

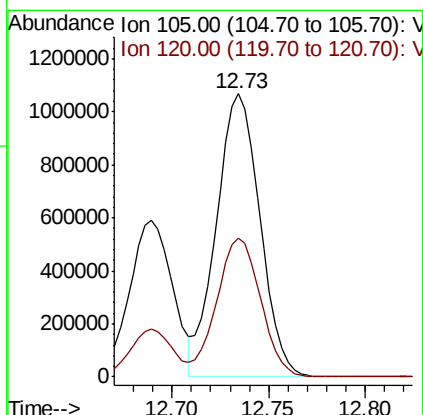
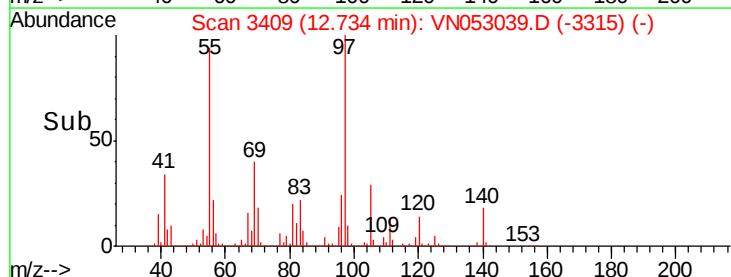
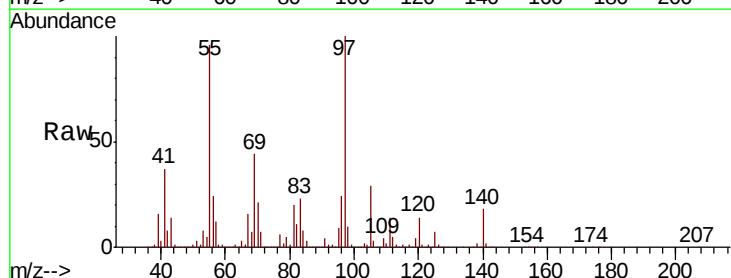
Acq: 20 Dec 2018 4:37

Tgt Ion: 105 Resp: 1668710

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.644 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

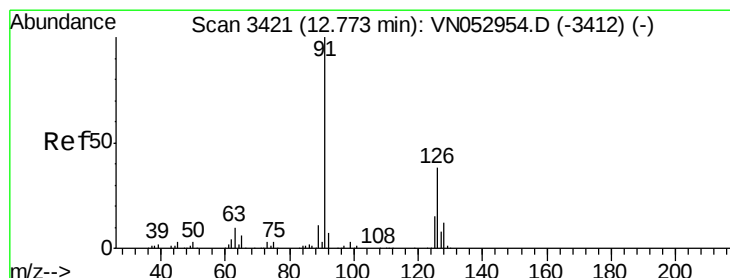
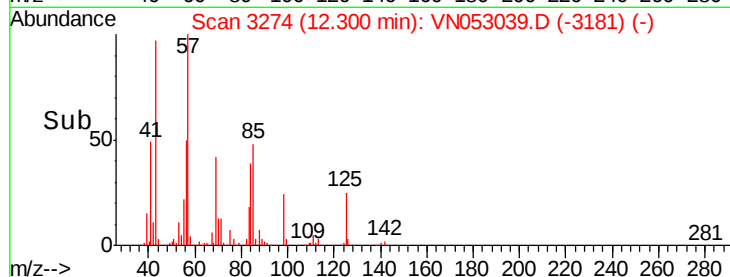
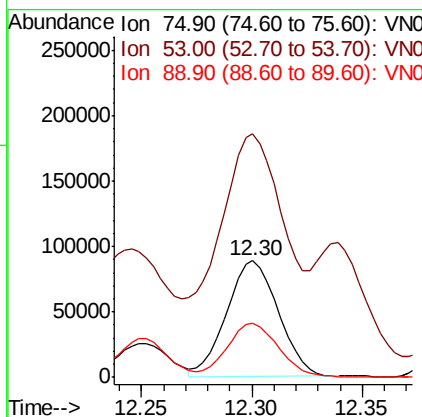
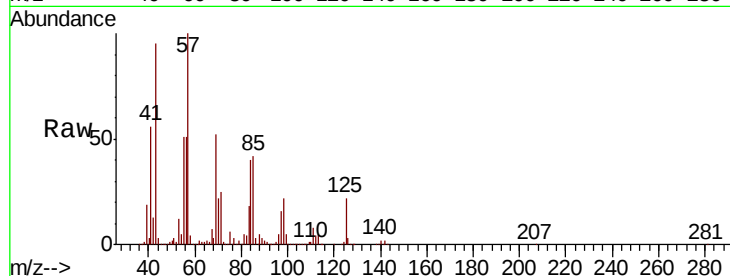
ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	145.7	74.7	112.1#
89	46.8	36.1	54.1

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12/20/2018 12:13:05 PM



#82

4-Chlorotoluene

Concen: 42.276 ug/l

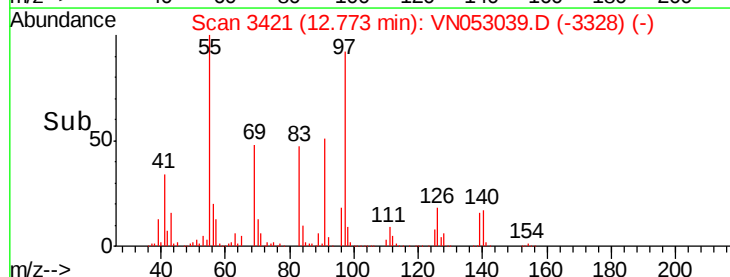
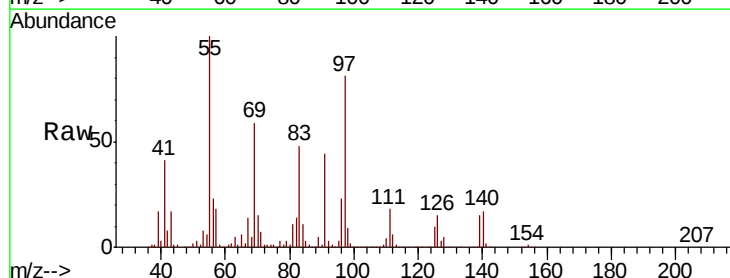
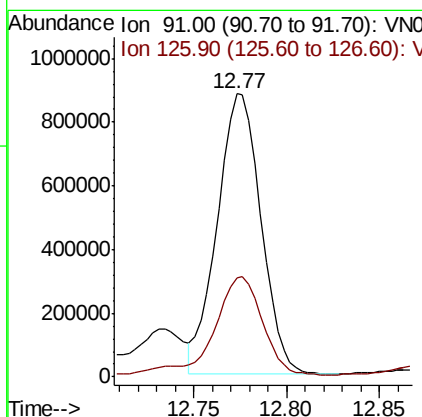
RT: 12.77 min Scan# 3421

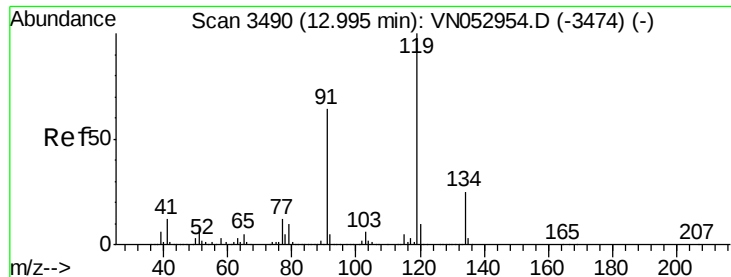
Delta R.T. -0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.9	17.3	51.7





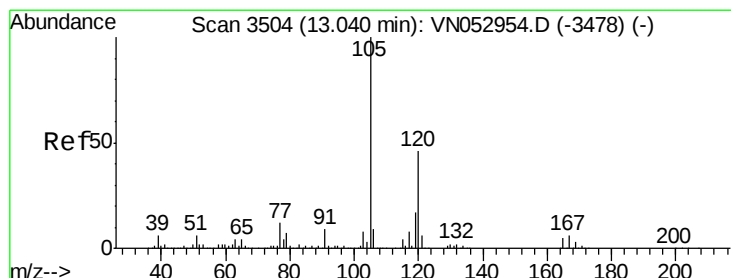
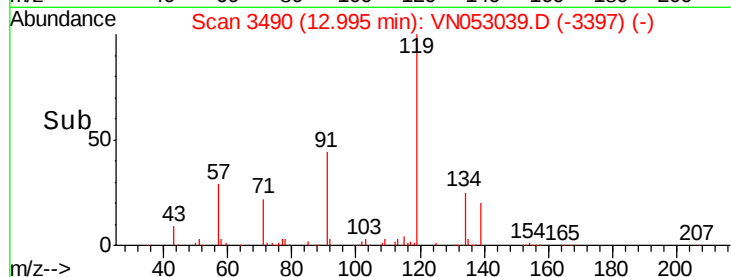
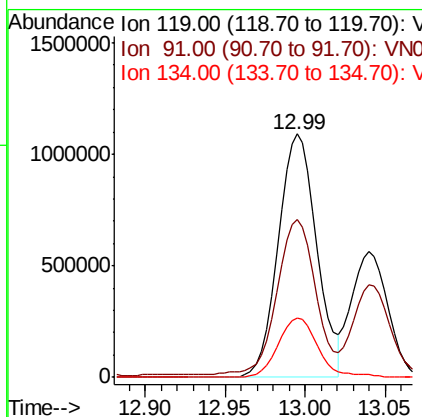
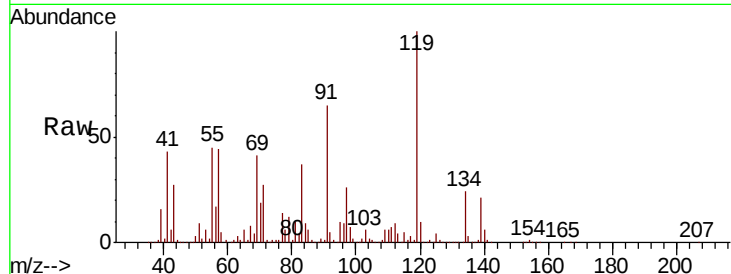
#83
 tert-Butylbenzene
 Concen: 51.580 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion:119 Resp: 1828889
 Ion Ratio Lower Upper
 119 100
 91 64.5 31.9 95.5
 134 25.4 12.8 38.4

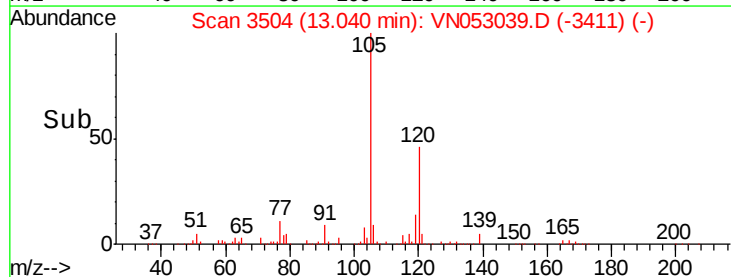
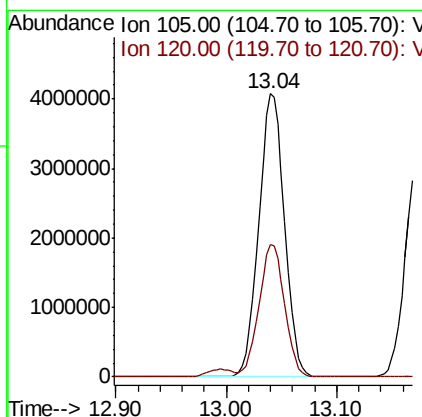
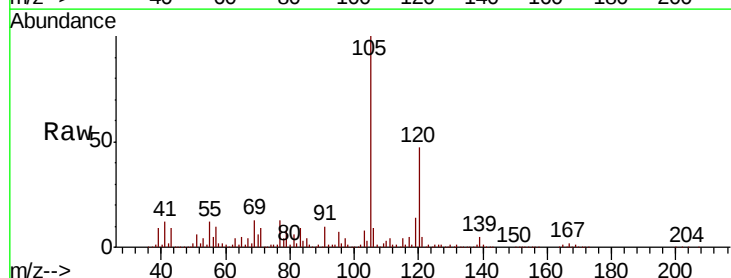
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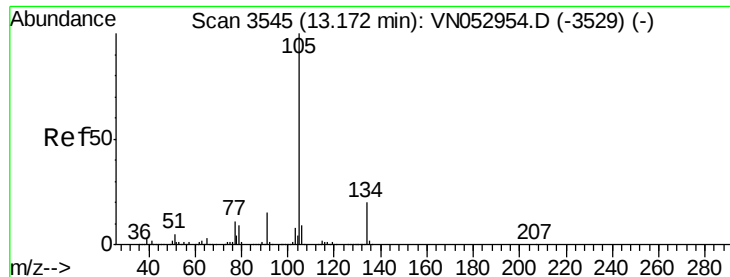
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 12/20/2018 12:13:05 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 162.433 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion:105 Resp: 6546568
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 104.943 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion:105 Resp: 5032985

Ion Ratio Lower Upper

105 100

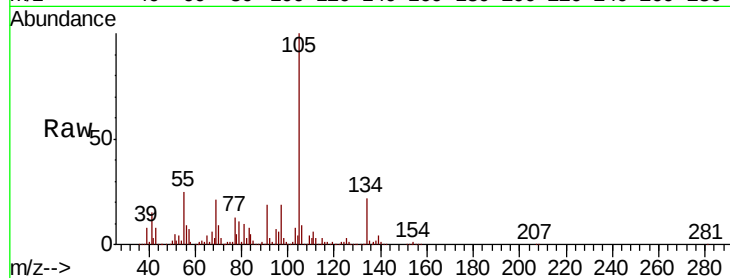
134 27.6 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

3000000

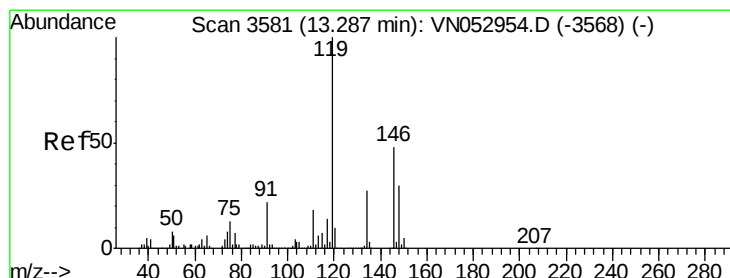
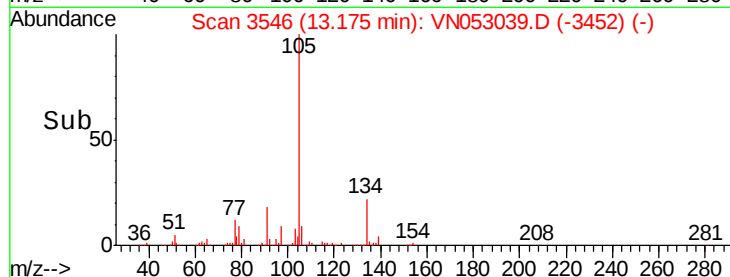
2000000

1000000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 57.242 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

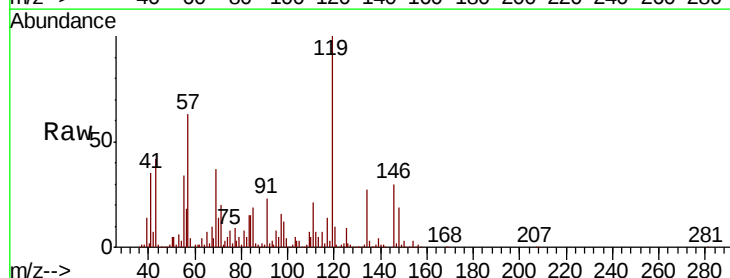
Tgt Ion:119 Resp: 2372148

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

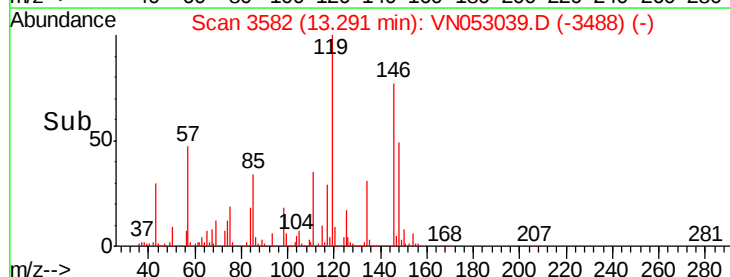
1000000

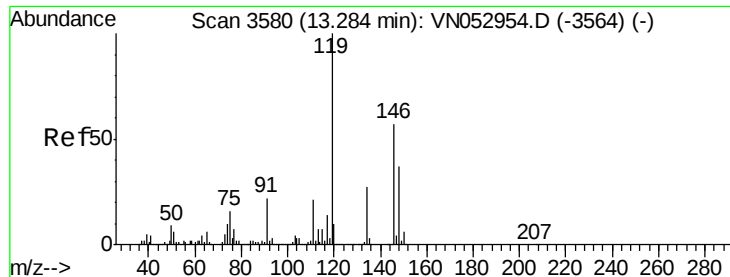
500000

0

13.25 13.30 13.35

Time-->





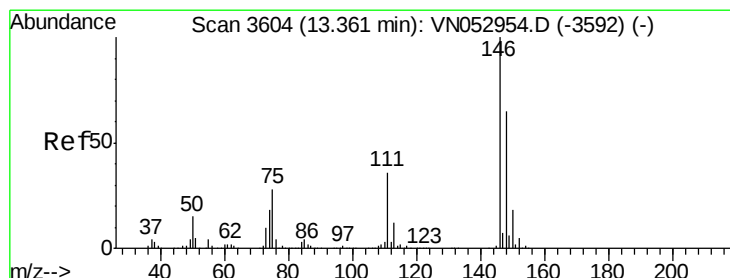
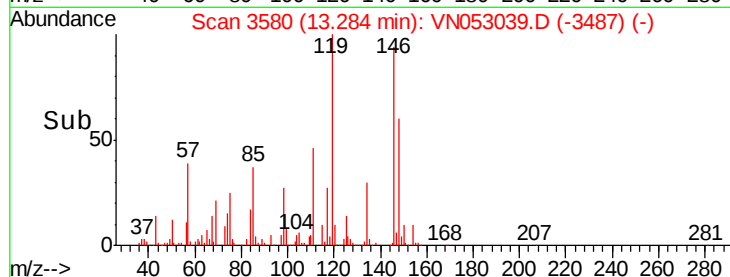
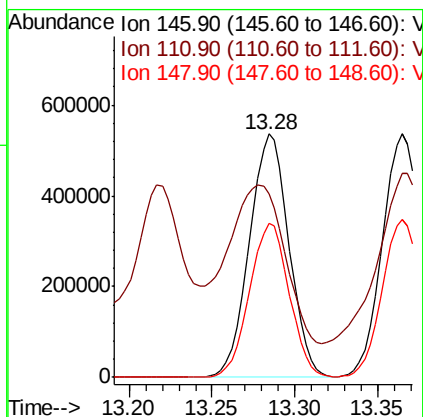
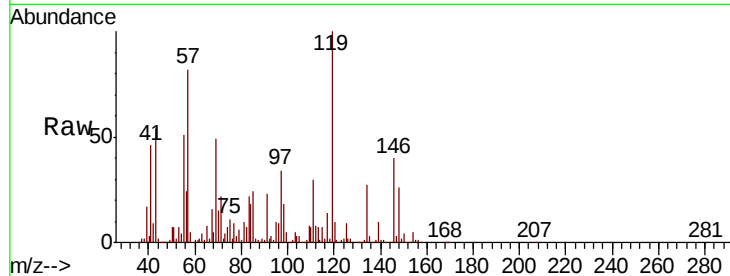
#87
 1,3-Dichlorobenzene
 Concen: 39.240 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	89.8	19.1	57.1#
148	63.5	32.0	96.0

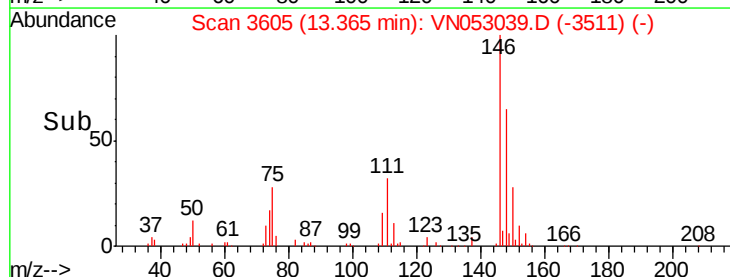
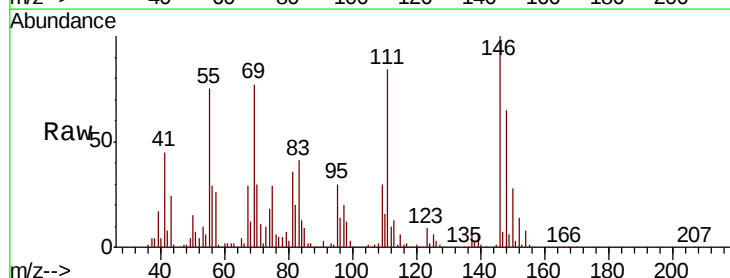
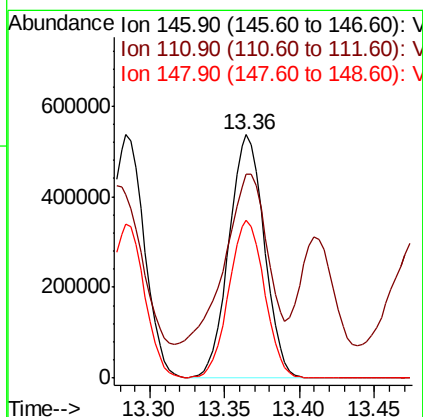
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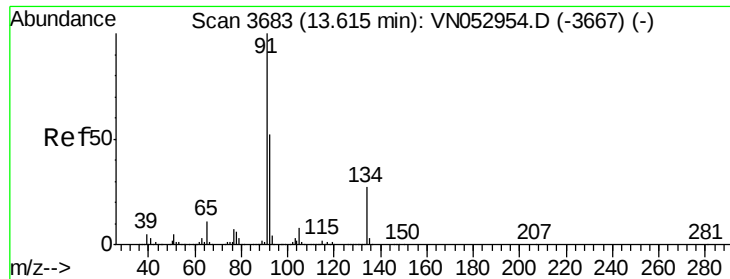
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#88
 1,4-Dichlorobenzene
 Concen: 38.529 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	81.8	18.6	55.8#
148	65.3	32.1	96.5





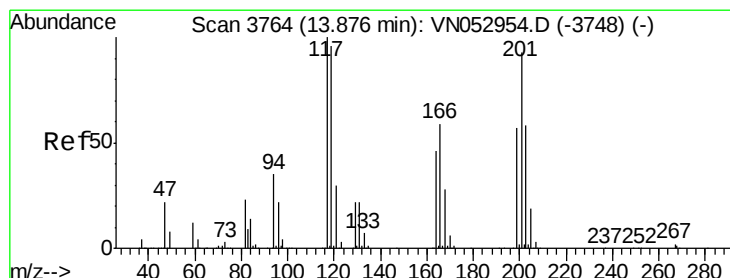
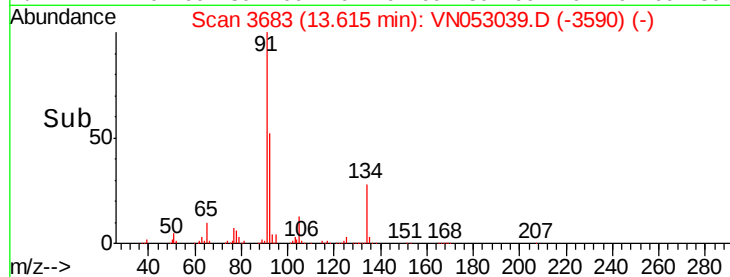
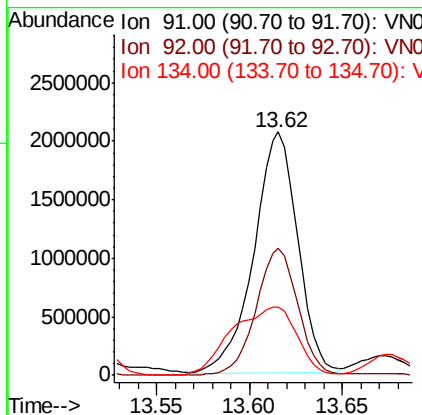
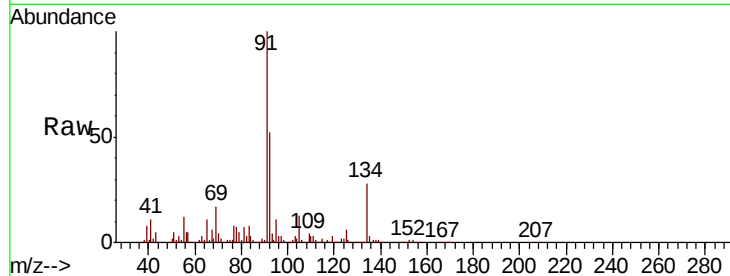
#89
n-Butylbenzene
Concen: 95.557 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.3	78.9
134	42.1	13.3	39.8

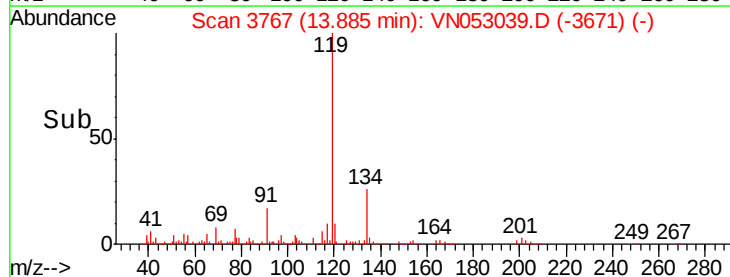
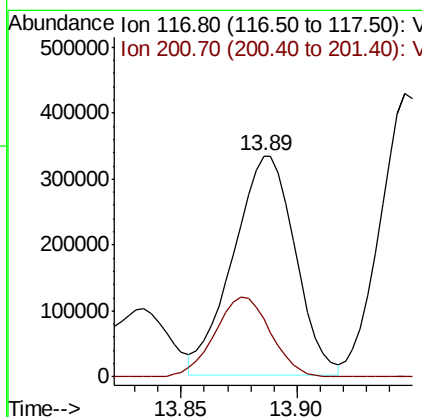
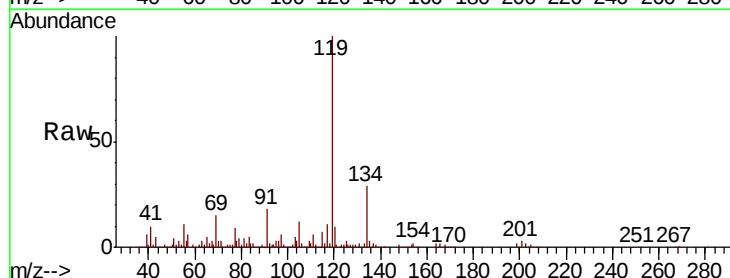
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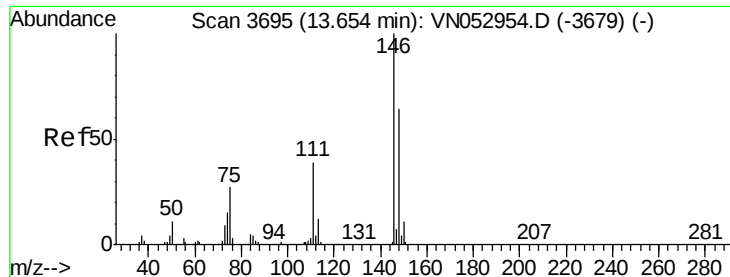
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#90
Hexachloroethane
Concen: 96.933 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	33.0	45.7	137.1





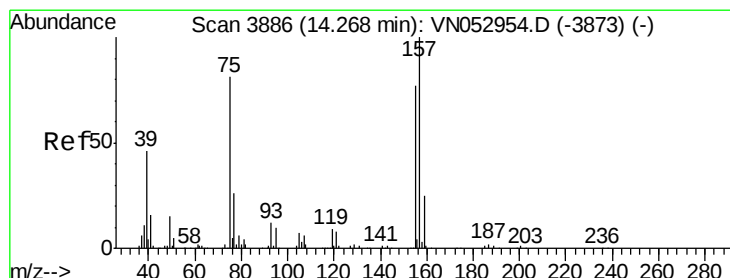
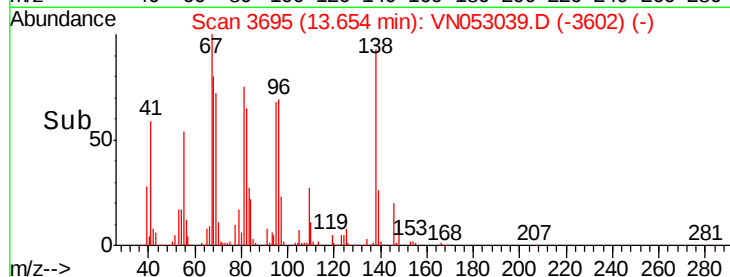
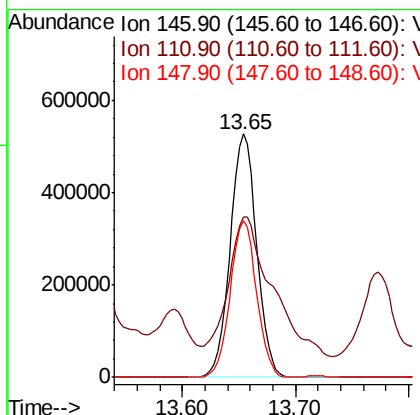
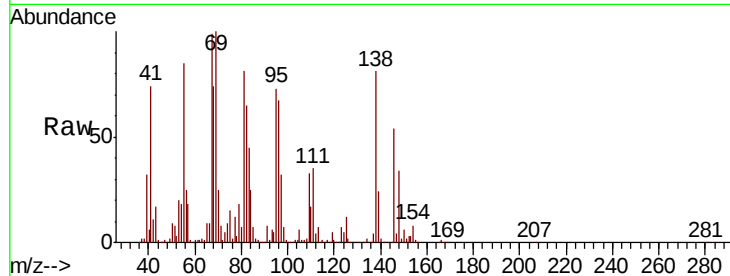
#91
 1,2-Dichlorobenzene
 Concen: 40.124 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	97.0	19.7	59.0#
148	64.2	32.0	96.0

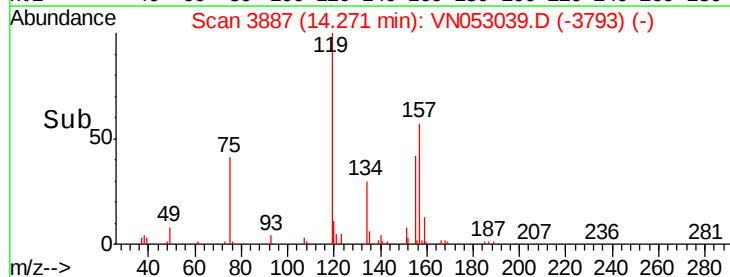
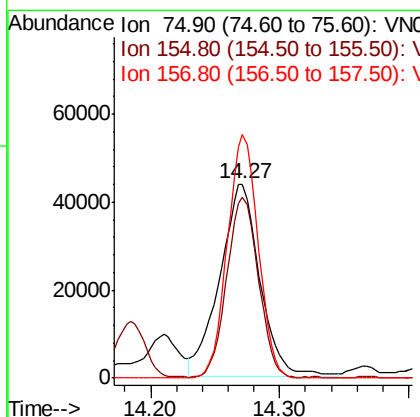
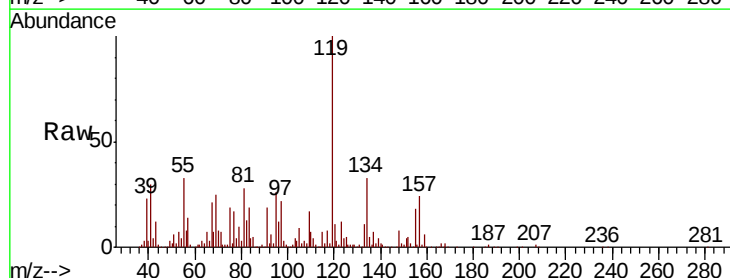
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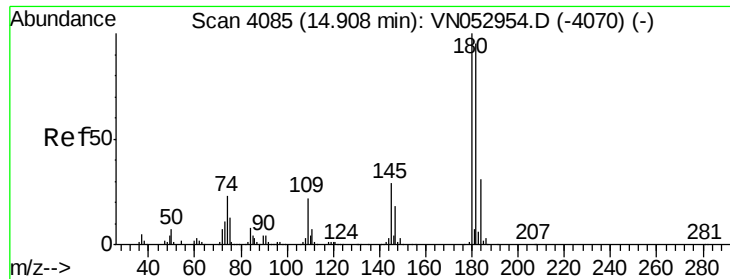
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.913 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	48.2	144.6
157	98.1	61.2	183.5





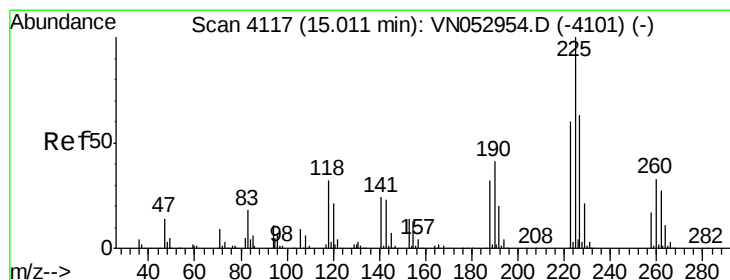
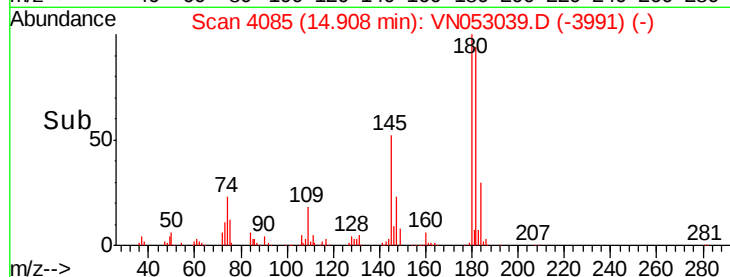
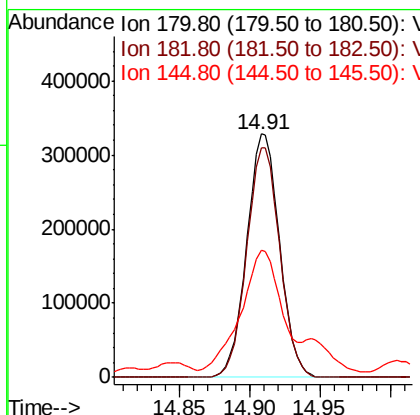
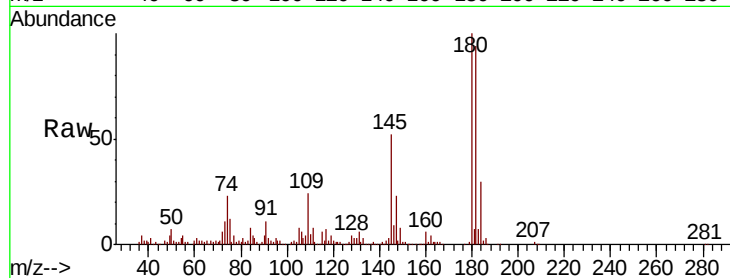
#93
 1,2,4-Trichlorobenzene
 Concen: 47.375 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-K(12-13FT)1218MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	58.7	14.2	42.6

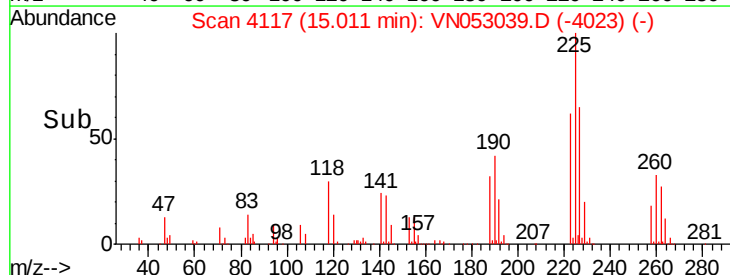
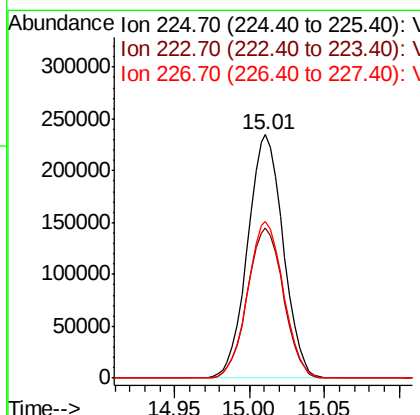
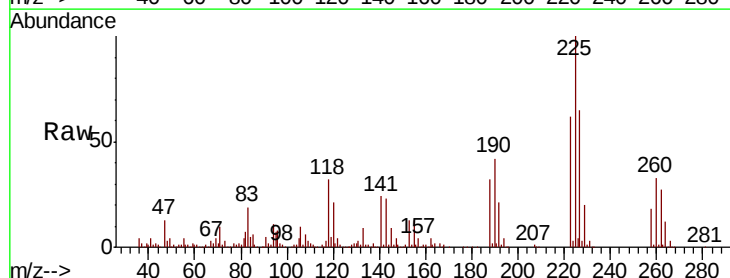
Manual Integrations
 APPROVED

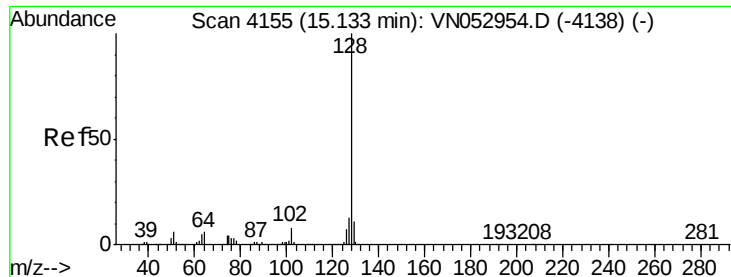
MMDadoda
 12/20/2018 12:13:05 PM



#94
 Hexachlorobutadiene
 Concen: 67.350 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053039.D
 Acq: 20 Dec 2018 4:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	64.9	31.9	95.7





#95

Naphthalene

Concen: 48.535 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-K(12-13FT)1218MS

Tot Ion:128 Resp: 1198806

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

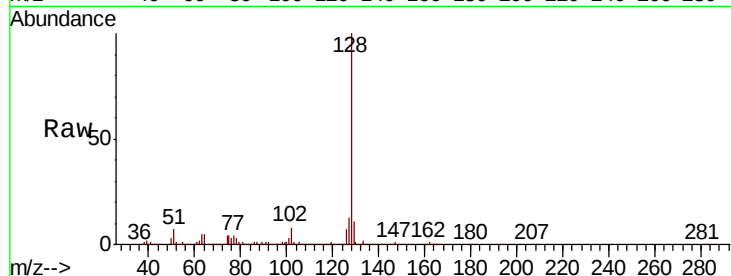
129 10.9 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

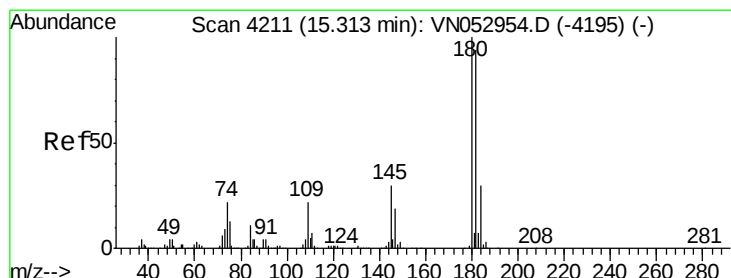
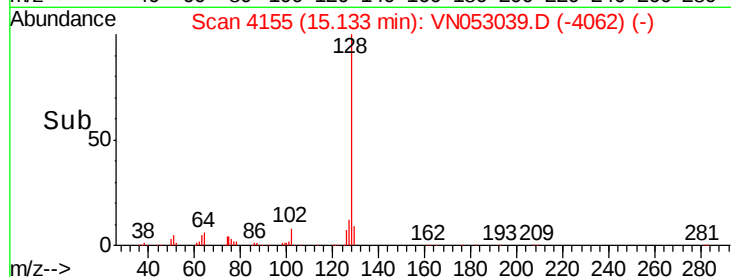
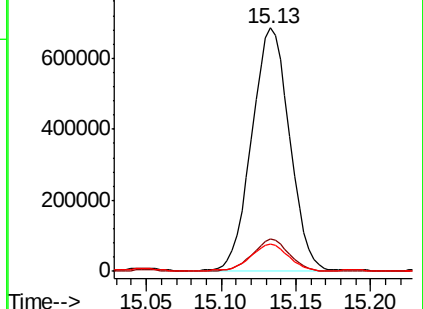
12/20/2018 12:13:05 PM



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: 48.150 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053039.D

Acq: 20 Dec 2018 4:37

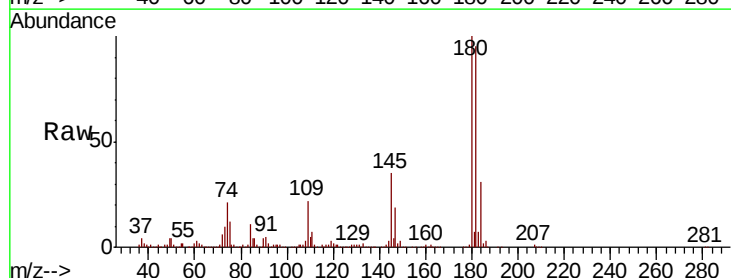
Tgt Ion:180 Resp: 489058

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 40.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

