

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054562.D
 Acq On : 22 Mar 2019 17:10
 Operator : JC/SP
 Sample : VN0322WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 3:11:26 PM

Quant Time: Mar 23 03:53:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	447040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	741415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	301705	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.59	113	235789	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.09	98	875846	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	285204	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91251	21.352	ug/l	99
3) Chloromethane	2.06	50	126465	21.750	ug/l	96
4) Vinyl Chloride	2.19	62	119909	20.540	ug/l	100
5) Bromomethane	2.58	94	69933	18.526	ug/l	94
6) Chloroethane	2.71	64	67791	19.360	ug/l	97
7) Trichlorofluoromethane	3.02	101	146388	20.648	ug/l	100
8) Diethyl Ether	3.41	74	52206	19.147	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76587	18.381	ug/l	95
10) Methyl Iodide	3.94	142	107999	17.621	ug/l	90
11) Tert butyl alcohol	4.82	59	37125	110.280	ug/l	97
12) 1,1-Dichloroethene	3.73	96	77316	17.931	ug/l #	77
13) Acrolein	3.61	56	44460	95.701	ug/l	98
14) Allyl chloride	4.32	41	169654	20.895	ug/l #	91
15) Acrylonitrile	4.99	53	187442	111.809	ug/l	99
16) Acetone	3.82	43	140434	84.004	ug/l #	84
17) Carbon Disulfide	4.04	76	206692	17.890	ug/l	99
18) Methyl Acetate	4.33	43	84587	22.701	ug/l #	90
19) Methyl tert-butyl Ether	5.06	73	272797	21.678	ug/l	98
20) Methylene Chloride	4.55	84	103720	21.047	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	96083	21.823	ug/l	88
22) Diisopropyl ether	5.96	45	362898	22.659	ug/l #	93
23) Vinyl Acetate	5.90	43	1271619	112.420	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	194879	22.599	ug/l	97
25) 2-Butanone	6.85	43	236144	110.270	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	115945	18.862	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	110340	21.011	ug/l	88
28) Bromochloromethane	7.20	49	95016	22.385	ug/l #	72
29) Tetrahydrofuran	7.22	42	159865	115.035	ug/l #	86
30) Chloroform	7.37	83	183266	21.777	ug/l	97
31) Cyclohexane	7.65	56	181070	20.830	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	150014	21.607	ug/l	95
36) 1,1-Dichloropropene	7.79	75	135173	19.499	ug/l	98
37) Ethyl Acetate	6.94	43	102964	20.883	ug/l #	94
38) Carbon Tetrachloride	7.77	117	130476	19.368	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	146058	18.419	ug/l	89
40) Benzene	8.04	78	408760	20.620	ug/l	100
41) Methacrylonitrile	7.17	41	63130	20.995	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	150351	20.827	ug/l	97
43) Isopropyl Acetate	8.17	43	174804	20.993	ug/l #	96
44) Trichloroethene	8.83	130	109507	19.870	ug/l	93
45) 1,2-Dichloropropane	9.12	63	115861	21.766	ug/l	99
46) Dibromomethane	9.21	93	66250	20.863	ug/l	89
47) Bromodichloromethane	9.40	83	135901	20.621	ug/l	99
48) Methyl methacrylate	9.20	41	93828	20.761	ug/l #	85
49) 1,4-Dioxane	9.20	88	20324	402.251	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	498617	108.048	ug/l	93
52) Toluene	10.16	92	245848	20.164	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	116890	18.295	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	149206	19.745	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	90517	20.653	ug/l	98
56) Ethyl methacrylate	10.43	69	116892	19.871	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	159121	20.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	231772	95.685	ug/l	90
59) 2-Hexanone	10.75	43	306824	101.788	ug/l	91
60) Dibromochloromethane	10.90	129	91324	19.582	ug/l	99
61) 1,2-Dibromoethane	11.00	107	88536	20.434	ug/l	99
64) Tetrachloroethene	10.63	164	107221	20.592	ug/l	98
65) Chlorobenzene	11.43	112	254205	19.910	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	94414	20.603	ug/l	99
67) Ethyl Benzene	11.51	91	451786	20.032	ug/l	98
68) m/p-Xylenes	11.62	106	333121	38.996	ug/l	95
69) o-Xylene	11.95	106	165600	19.850	ug/l	97
70) Styrene	11.96	104	267200	19.723	ug/l	97
71) Bromoform	12.13	173	52969	18.241	ug/l #	97
73) Isopropylbenzene	12.25	105	430699	20.912	ug/l	99
74) N-amyl acetate	12.07	43	131450	22.197	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	105255	22.387	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	92857m	22.895	ug/l	
77) Bromobenzene	12.53	156	104467	20.451	ug/l	86
78) n-propylbenzene	12.59	91	460019	20.598	ug/l	97
79) 2-Chlorotoluene	12.67	91	285989	20.535	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	348999	20.675	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19192	18.450	ug/l #	70
82) 4-Chlorotoluene	12.77	91	278273	20.613	ug/l	96
83) tert-Butylbenzene	12.99	119	304216	20.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	340011	20.528	ug/l	97
85) sec-Butylbenzene	13.17	105	367225	20.049	ug/l	98
86) p-Isopropyltoluene	13.29	119	323258	19.727	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	169953	20.077	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	162570	19.739	ug/l	97
89) n-Butylbenzene	13.62	91	239254	18.672	ug/l	98
90) Hexachloroethane	13.87	117	50113	19.701	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	168497	20.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15129	21.939	ug/l	80

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

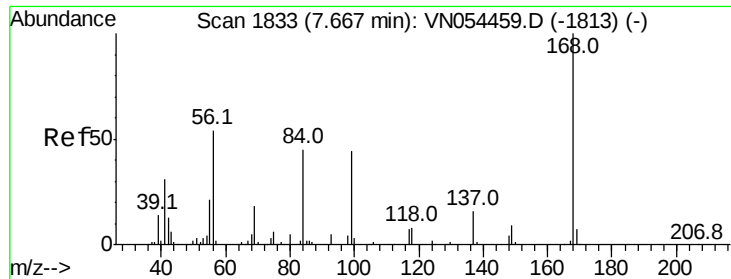
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72527	17.745	ug/l	97
94) Hexachlorobutadiene	15.01	225	45952	18.446	ug/l	98
95) Naphthalene	15.13	128	171848	18.850	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	75110	18.464	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion:168 Resp: 447040

Ion Ratio Lower Upper

168 100

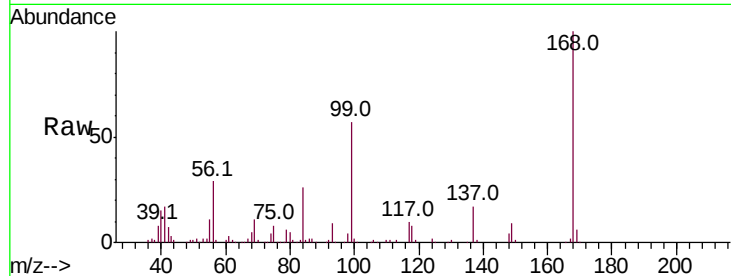
99 55.7 37.1 55.7#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

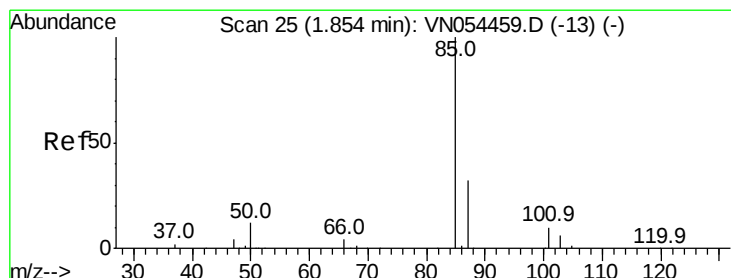
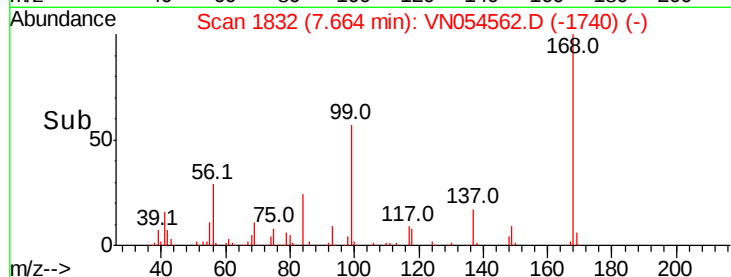
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.352 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054562.D

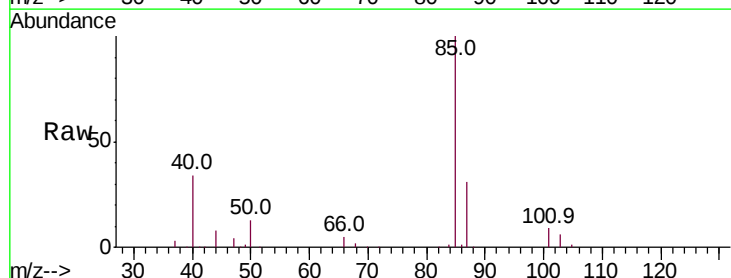
Acq: 22 Mar 2019 17:10

Tgt Ion: 85 Resp: 91251

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

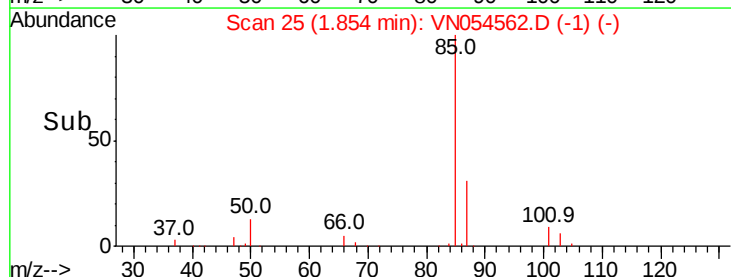
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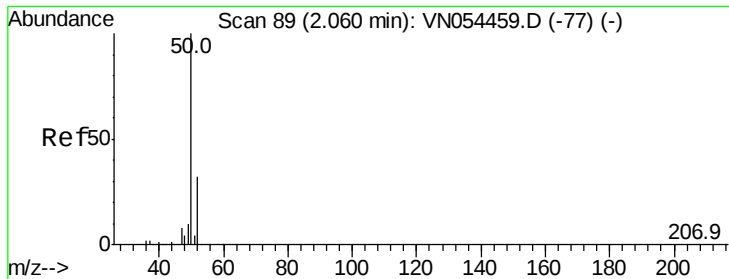
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.750 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0322WBSD01

Tot Ion: 50 Resp: 126465

Ion Ratio Lower Upper

50 100

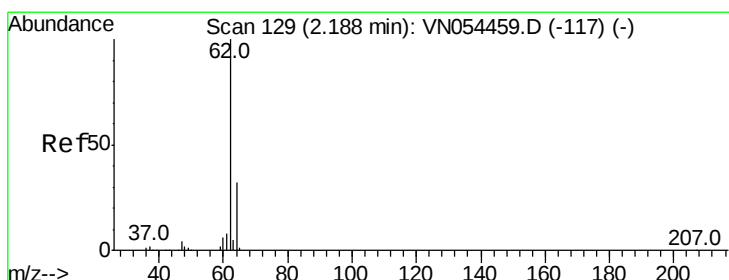
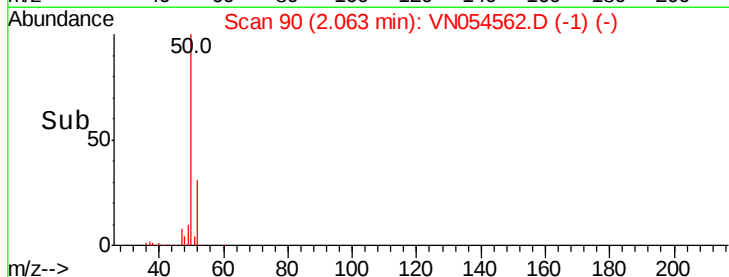
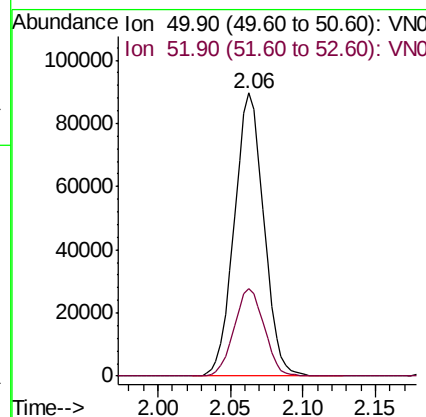
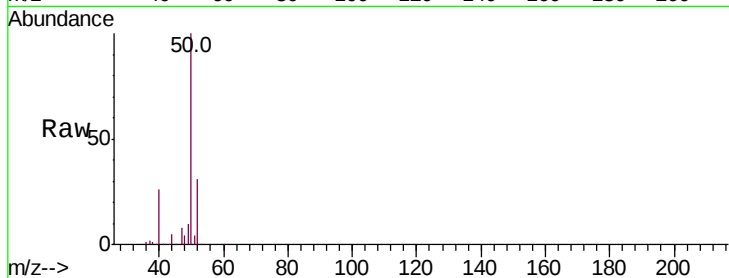
52 30.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.540 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054562.D

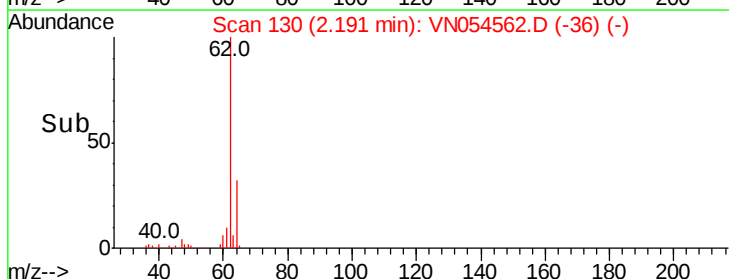
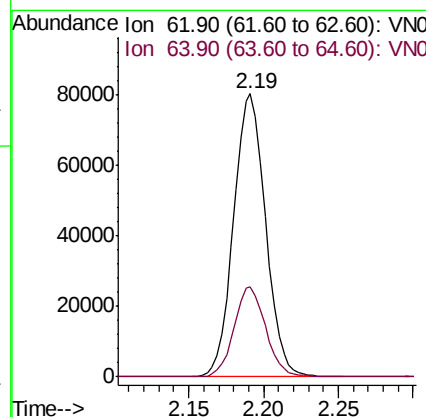
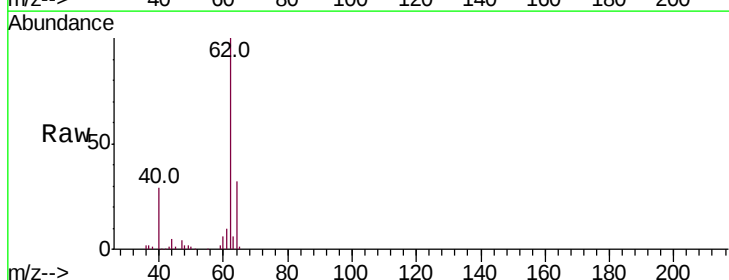
Acq: 22 Mar 2019 17:10

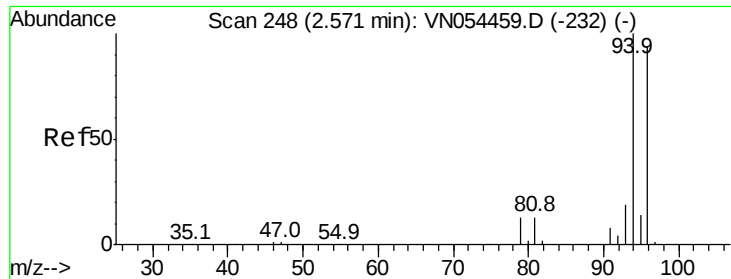
Tgt Ion: 62 Resp: 119909

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 18.526 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 94 Resp: 69933

Ion Ratio Lower Upper

94 100

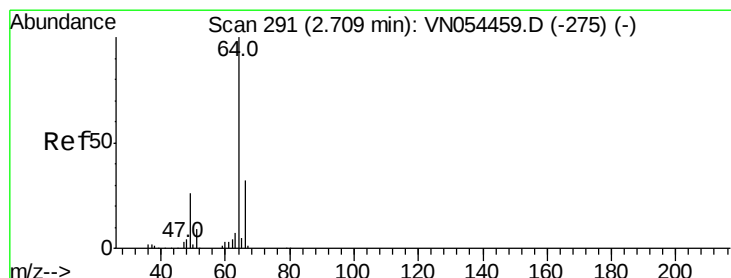
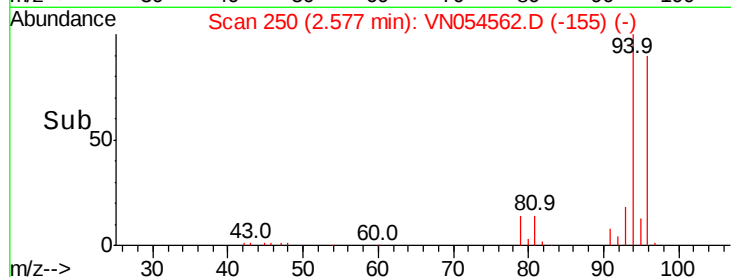
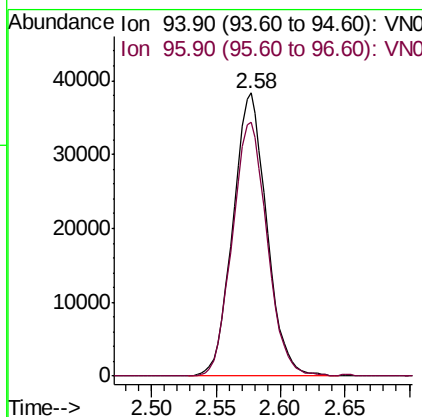
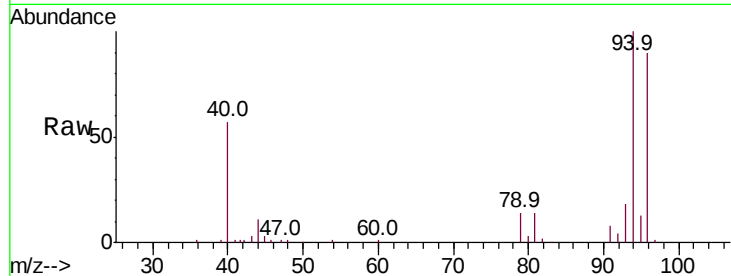
96 89.9 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 19.360 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054562.D

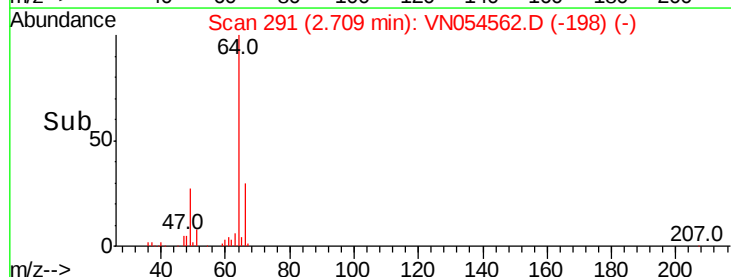
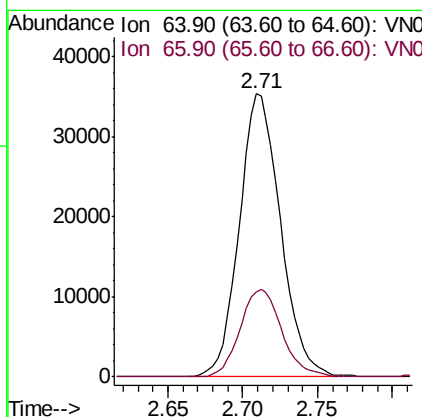
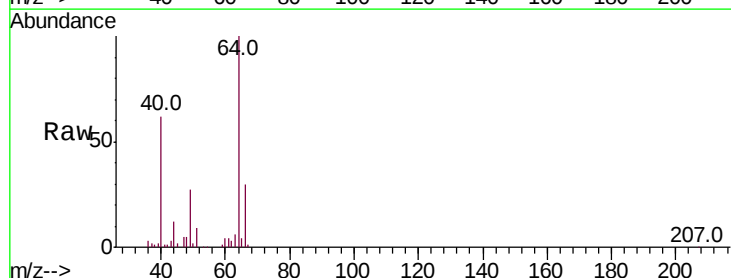
Acq: 22 Mar 2019 17:10

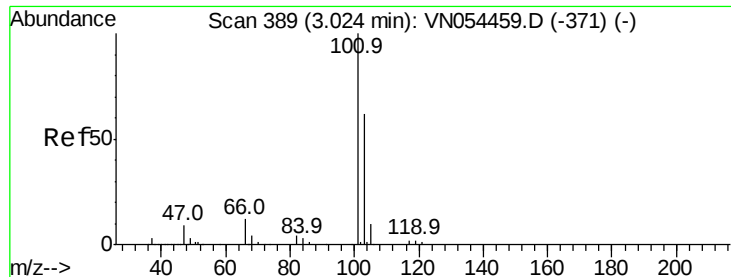
Tgt Ion: 64 Resp: 67791

Ion Ratio Lower Upper

64 100

66 30.2 25.7 38.5





#7

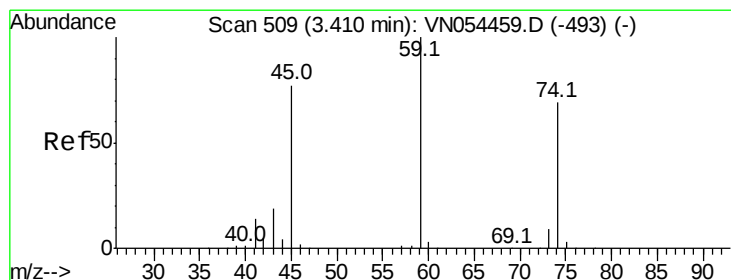
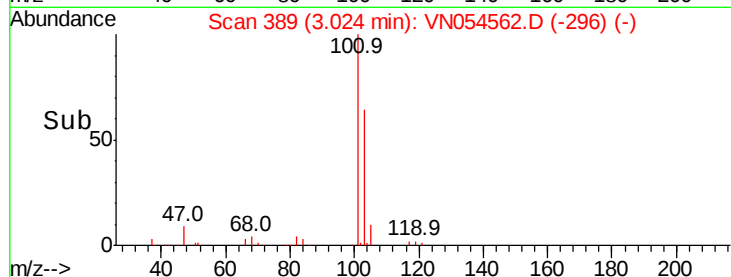
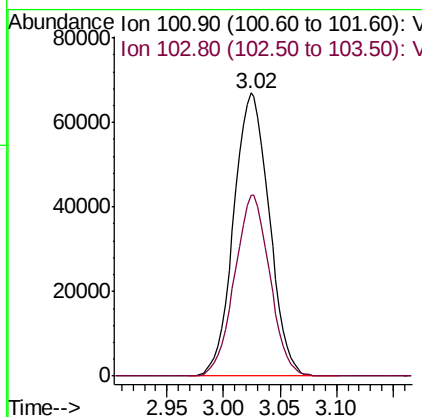
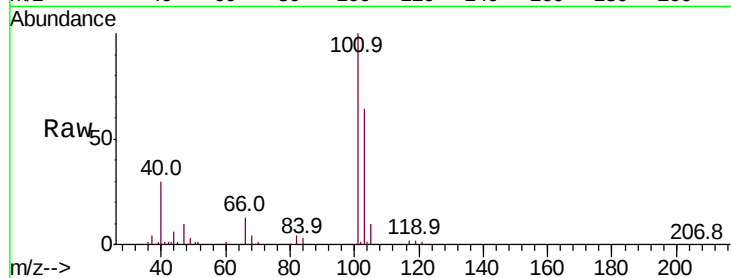
Trichlorofluoromethane
 Concen: 20.648 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
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 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.4	77.2

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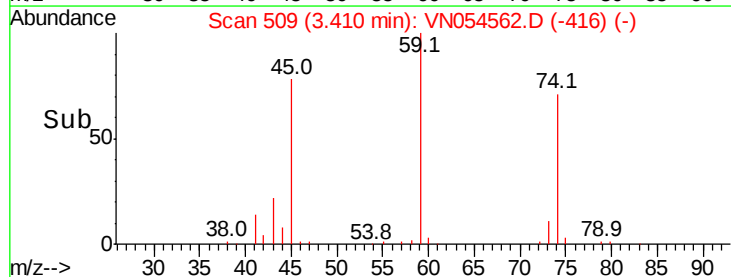
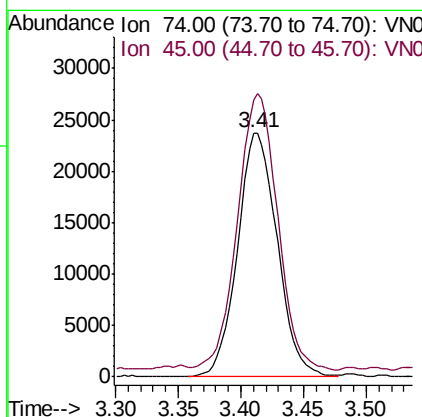
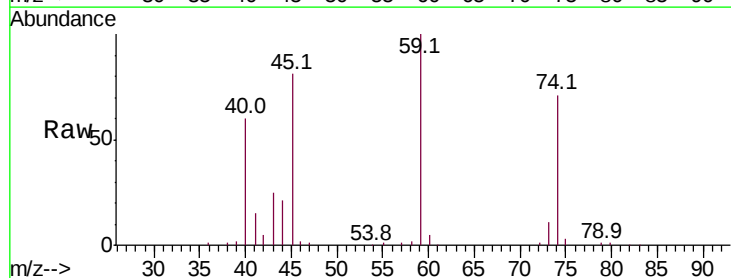
MMDadoda
 3/25/2019 3:11:26 PM

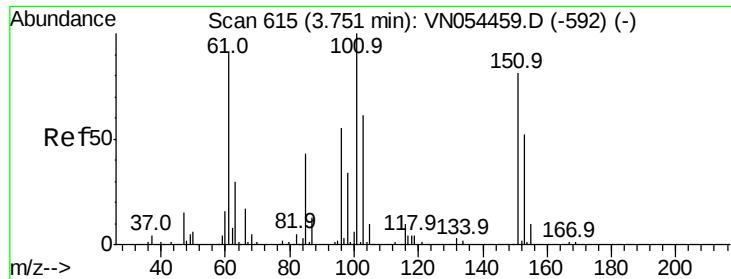


#8

Diethyl Ether
 Concen: 19.147 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.381 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

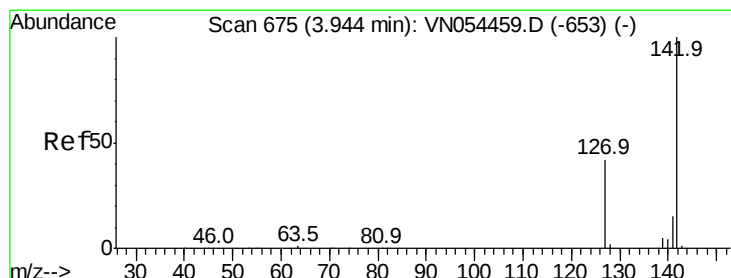
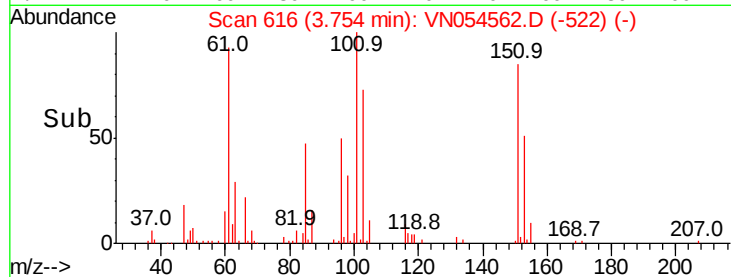
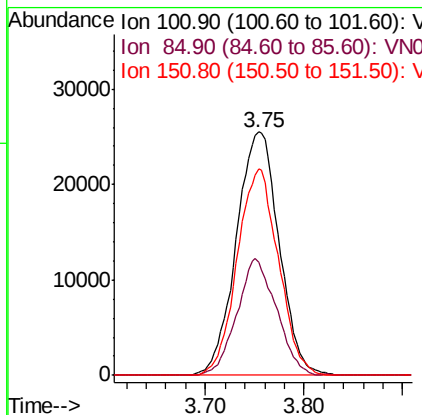
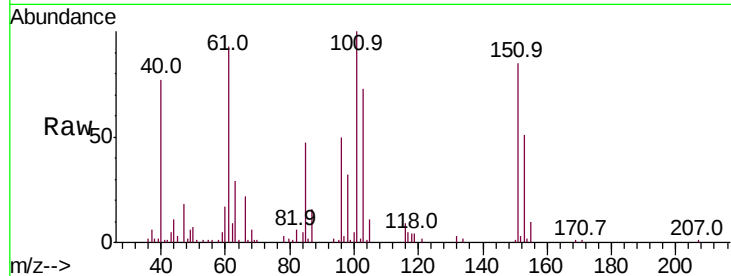
ClientSampleId :

VN0322WBSD01

Tot Ion:	101	Resp:	76587
Ion Ratio	Lower	Upper	
101	100		
85	44.3	32.4	48.6
151	81.7	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.621 ug/l

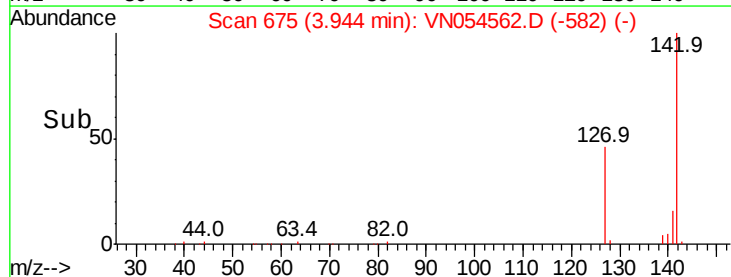
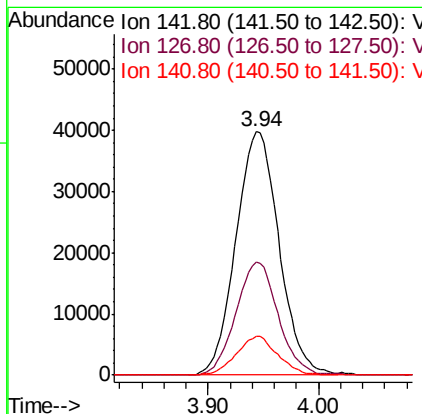
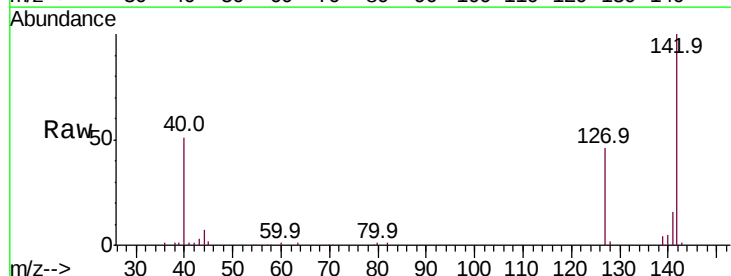
RT: 3.94 min Scan# 675

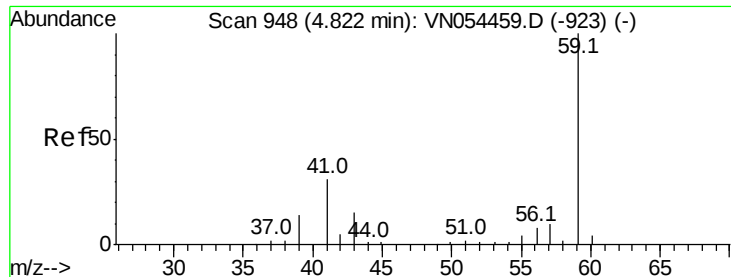
Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	142	Resp:	107999
Ion Ratio	Lower	Upper	
142	100		
127	45.3	30.3	45.5
141	15.2	11.2	16.8





#11

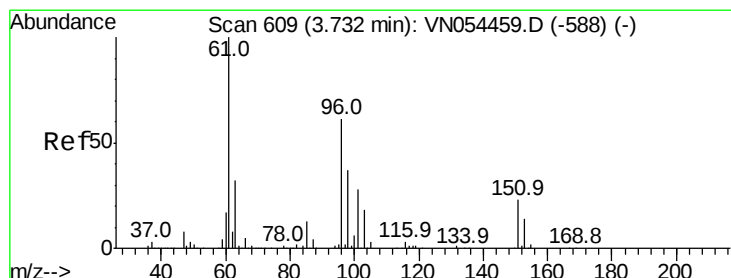
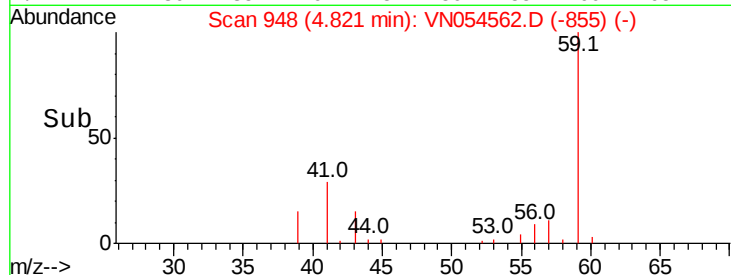
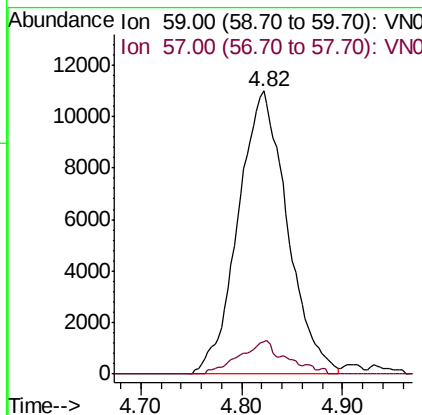
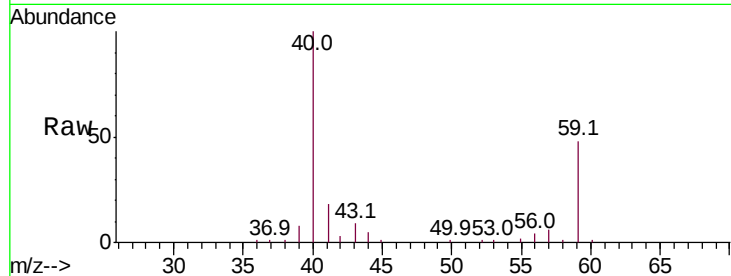
Tert butyl alcohol
 Concen: 110.280 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.6

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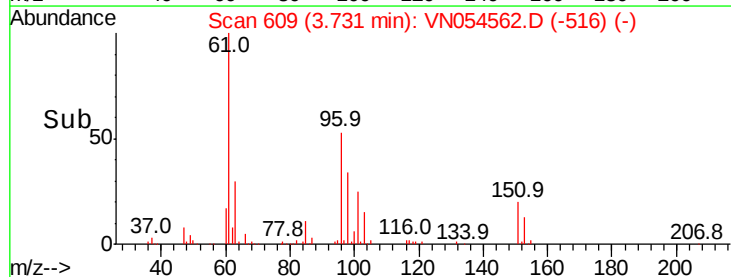
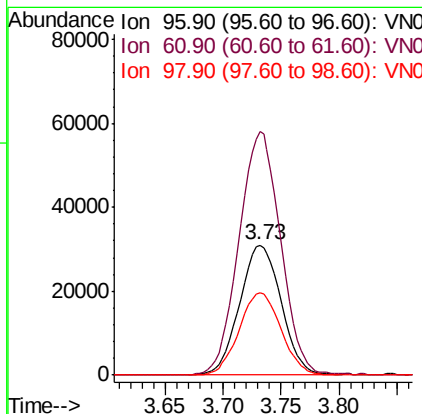
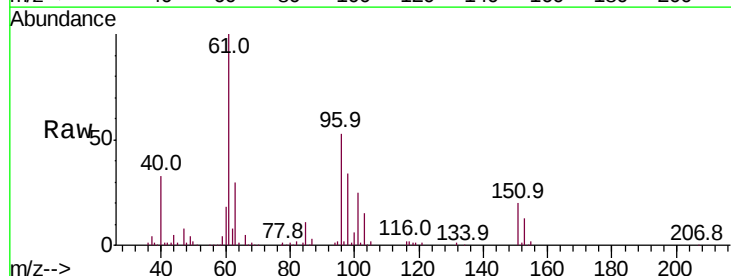
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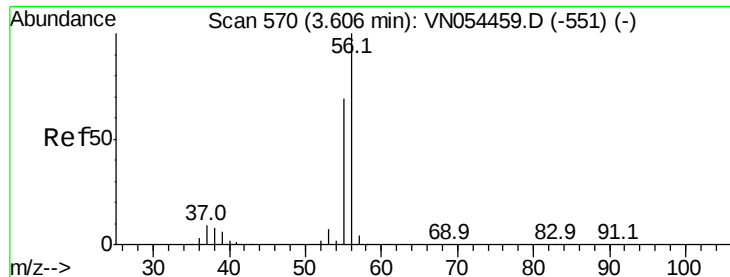


#12

1,1-Dichloroethene
 Concen: 17.931 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	116.5	174.7#
98	63.6	51.0	76.4





#13

Acrolein

Concen: 95.701 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 56 Resp: 44460

Ion Ratio Lower Upper

56 100

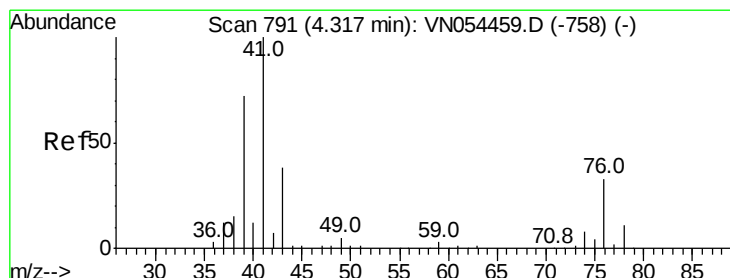
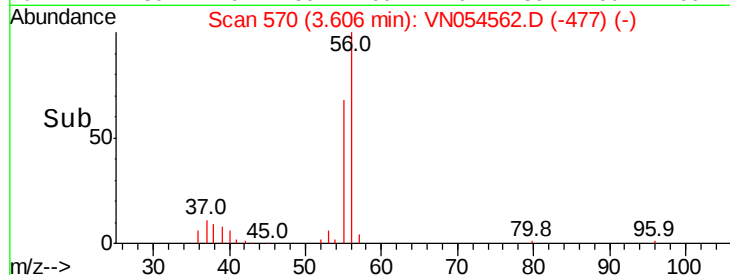
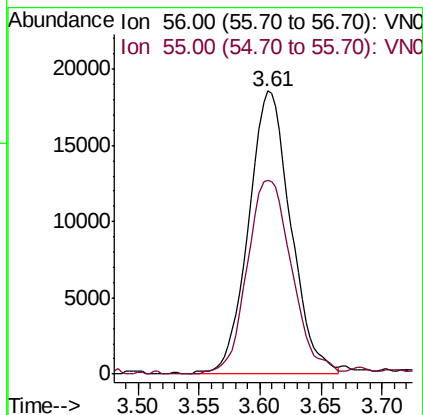
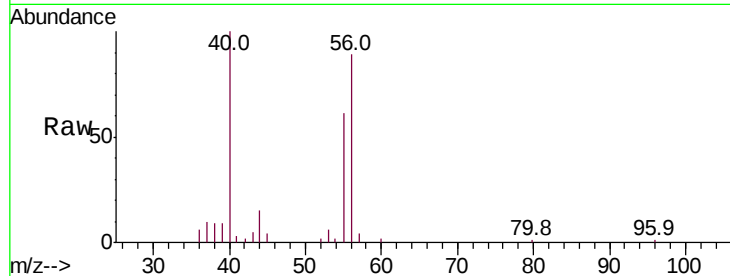
55 72.5 56.7 85.1

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#14

Allyl chloride

Concen: 20.895 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

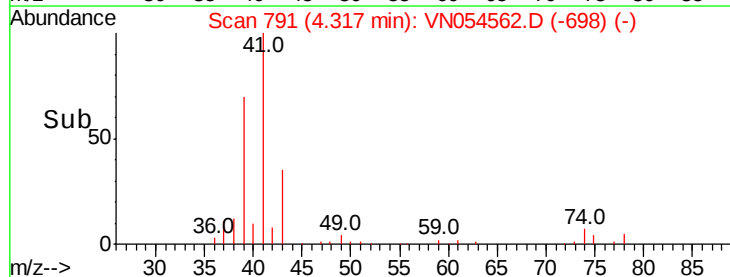
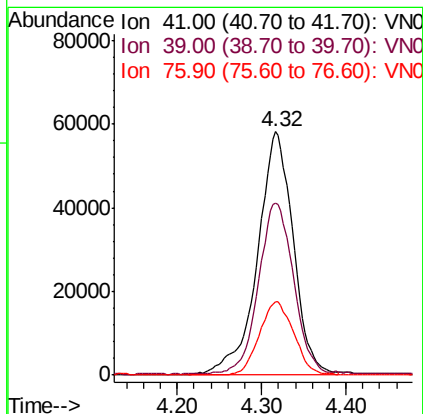
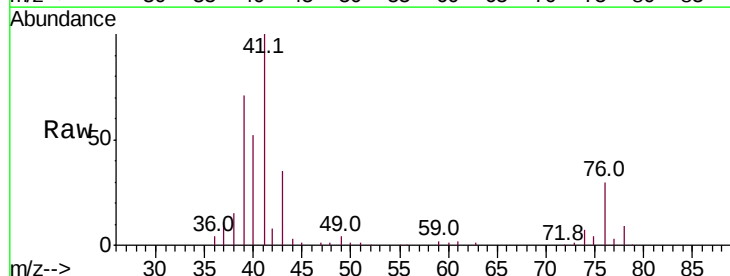
Tgt Ion: 41 Resp: 169654

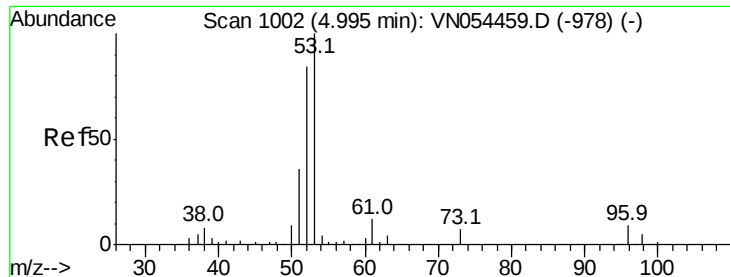
Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

76 29.4 31.7 47.5#





#15

Acrylonitrile

Concen: 111.809 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

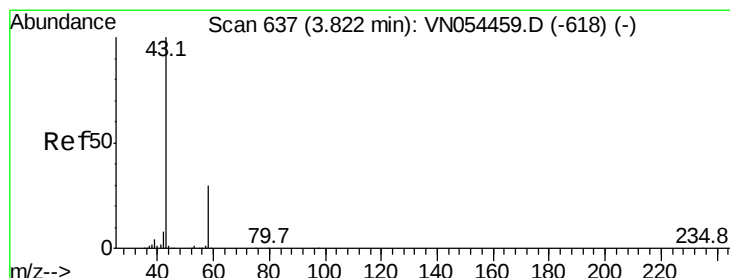
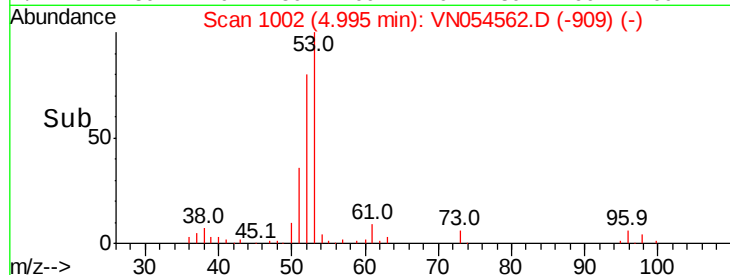
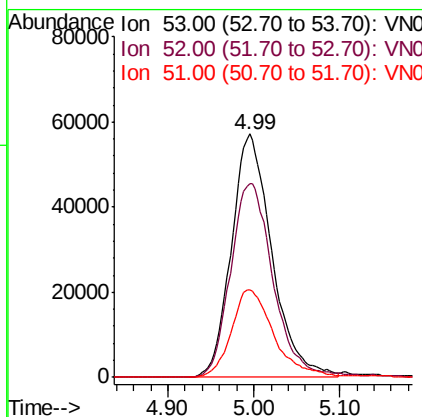
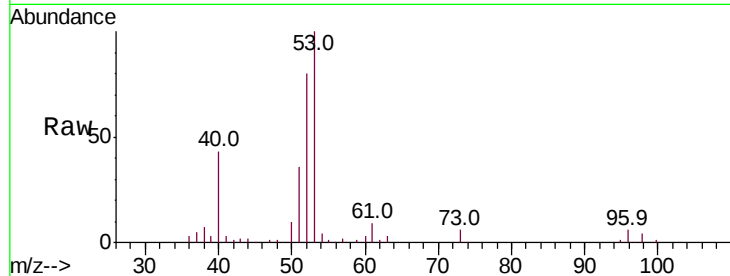
ClientSampleId :

VN0322WBSD01

Tot Ion:	53	Resp:	187442
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.4	99.6
51	37.9	29.6	44.4

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#16

Acetone

Concen: 84.004 ug/l

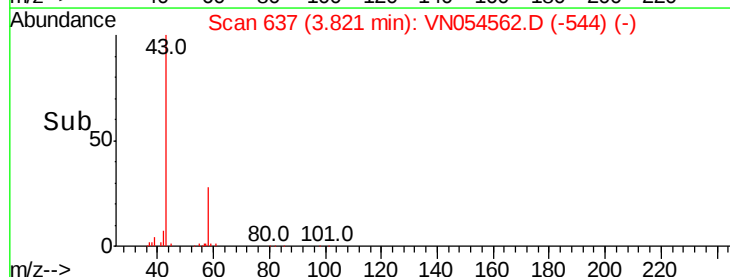
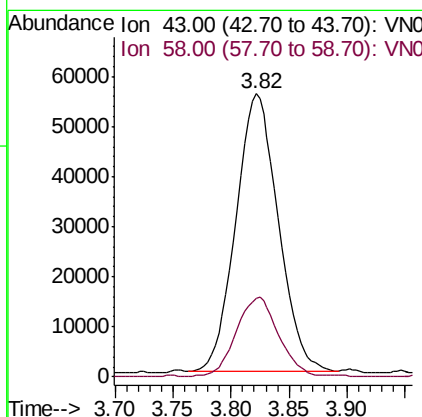
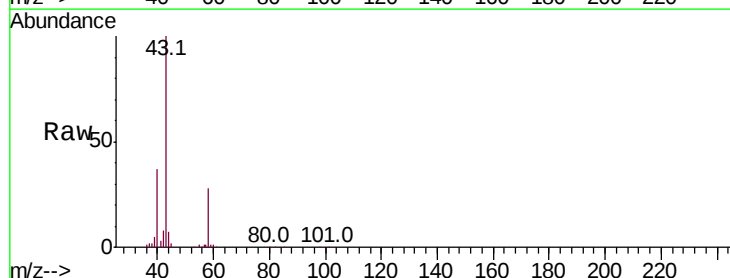
RT: 3.82 min Scan# 637

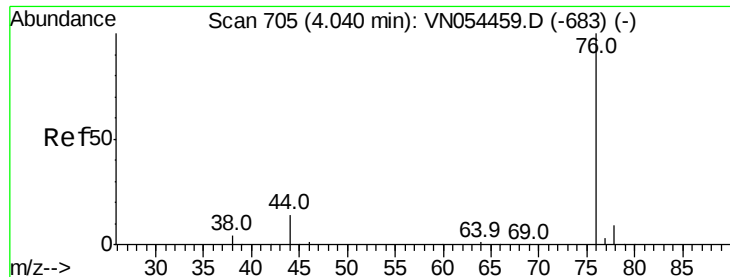
Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	43	Resp:	140434
Ion Ratio	Lower	Upper	
43	100		
58	27.9	29.9	44.9#





#17

Carbon Disulfide

Concen: 17.890 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 76 Resp: 206692

Ion Ratio Lower Upper

76 100

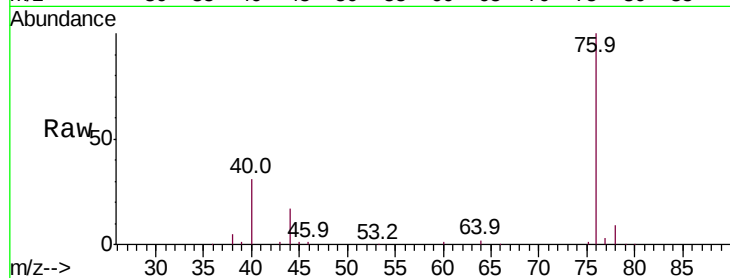
78 8.9 7.5 11.3

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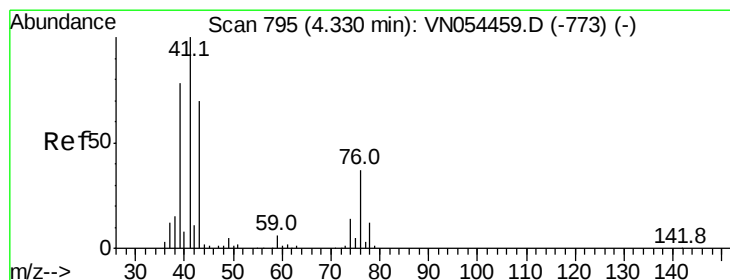
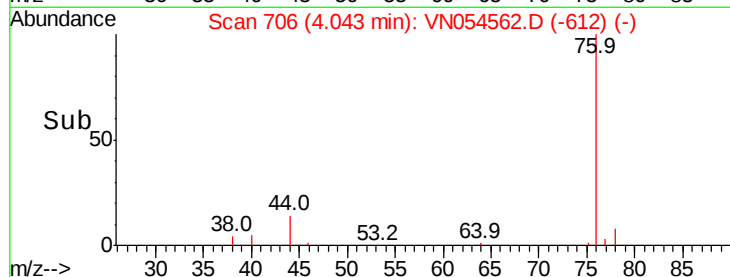
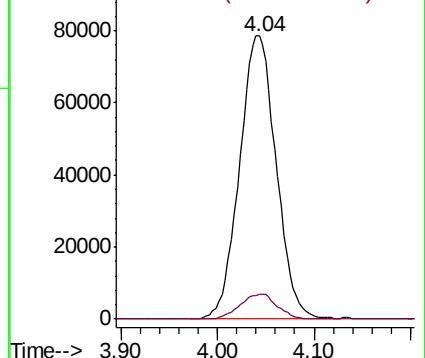
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.701 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054562.D

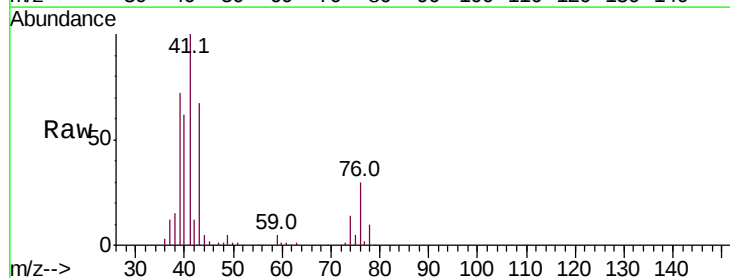
Acq: 22 Mar 2019 17:10

Tgt Ion: 43 Resp: 84587

Ion Ratio Lower Upper

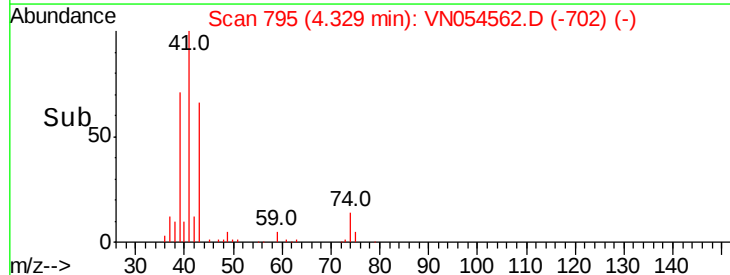
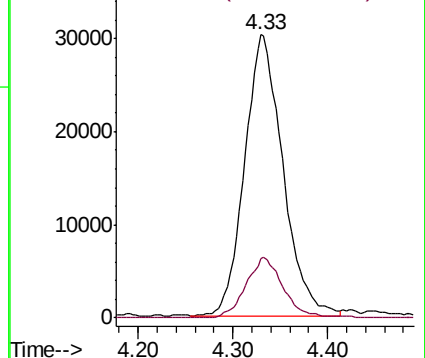
43 100

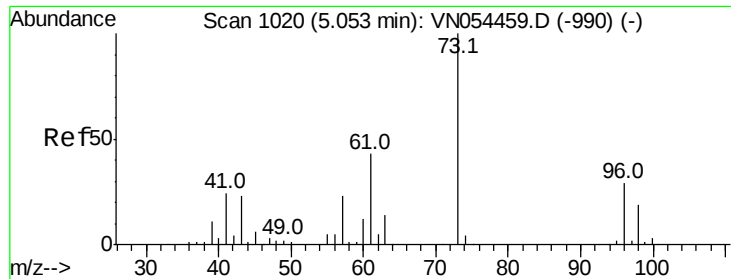
74 20.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





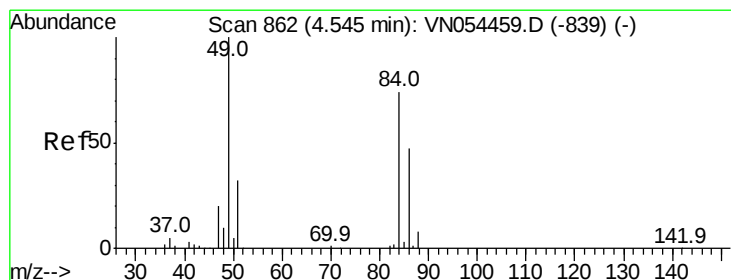
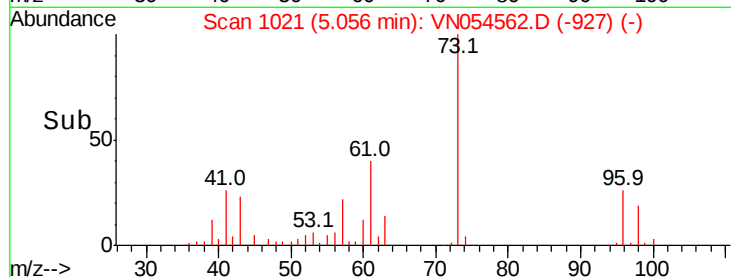
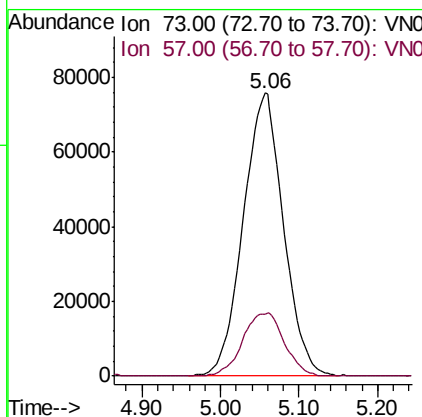
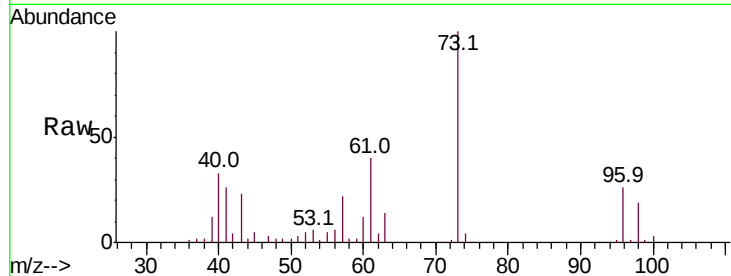
#19
Methvl tert-butvl Ether
Concen: 21.678 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion: 73 Resp: 272797
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

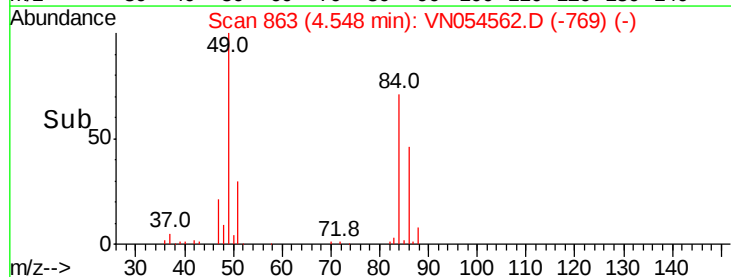
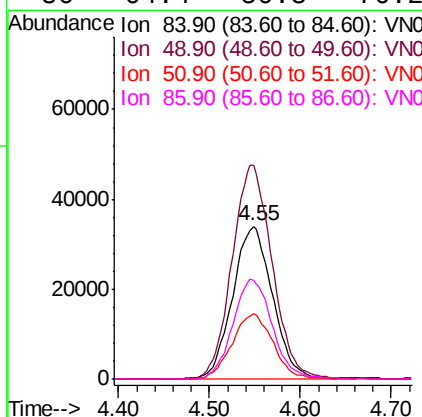
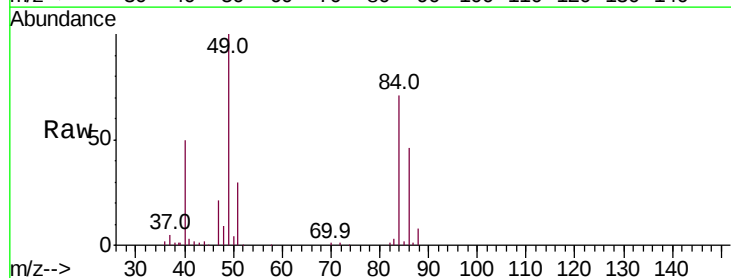
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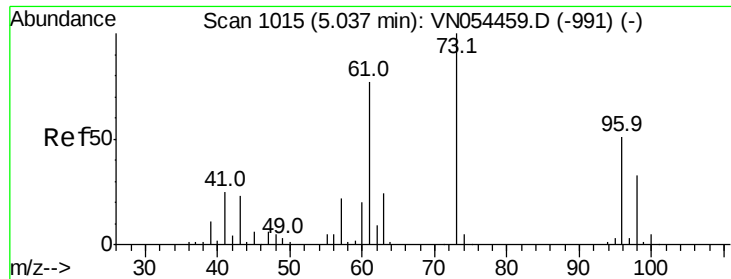
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#20
Methylene Chloride
Concen: 21.047 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 84 Resp: 103720
Ion Ratio Lower Upper
84 100
49 139.3 89.7 134.5#
51 42.6 28.2 42.4#
86 64.4 50.8 76.2





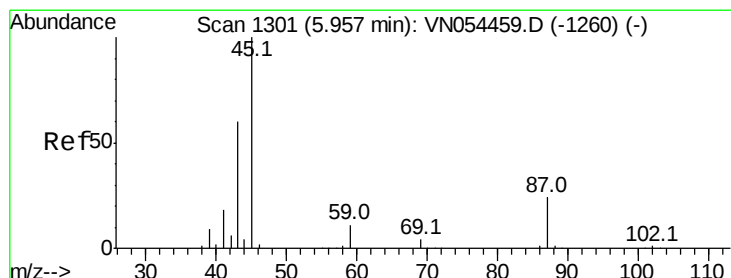
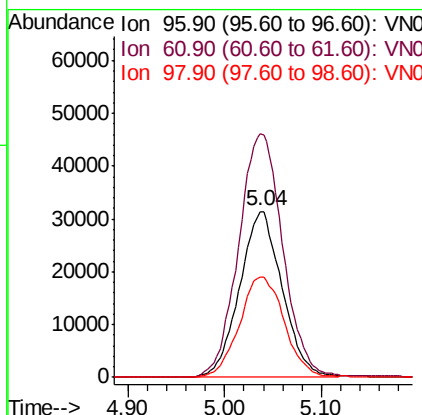
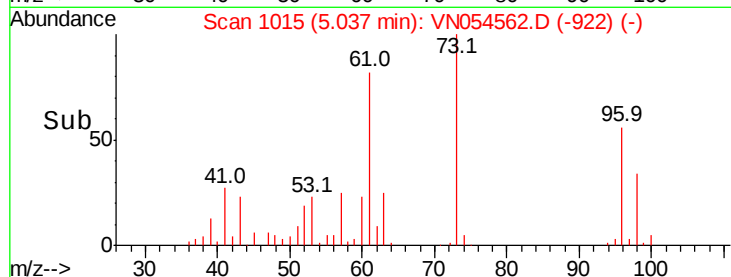
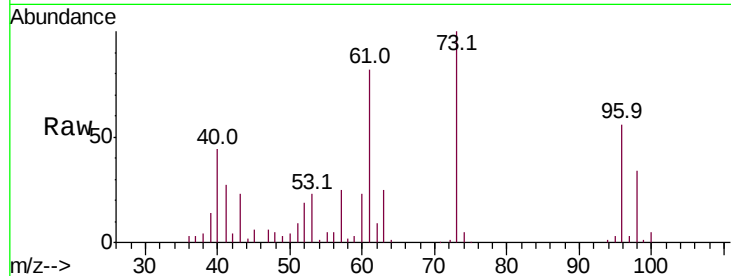
#21
trans-1,2-Dichloroethene
Concen: 21.823 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.1	102.8	154.2
98	60.6	50.0	75.0

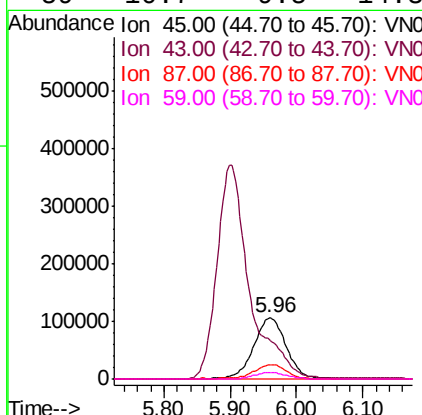
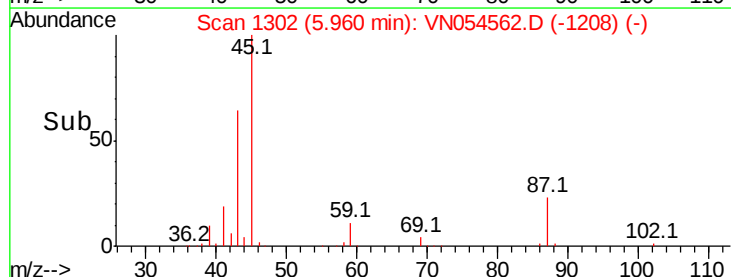
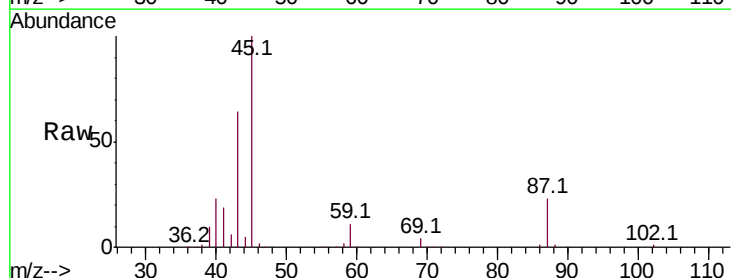
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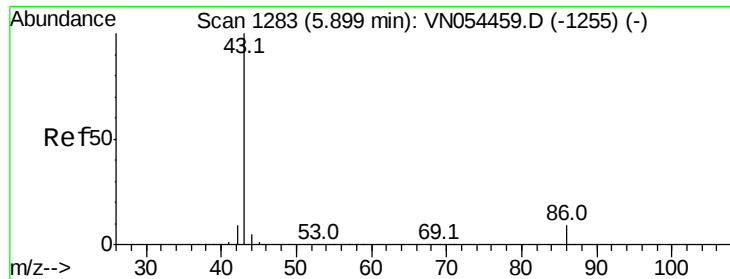
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#22
Diisopropyl ether
Concen: 22.659 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	48.2	72.2
87	23.1	24.9	37.3
59	10.7	9.5	14.3





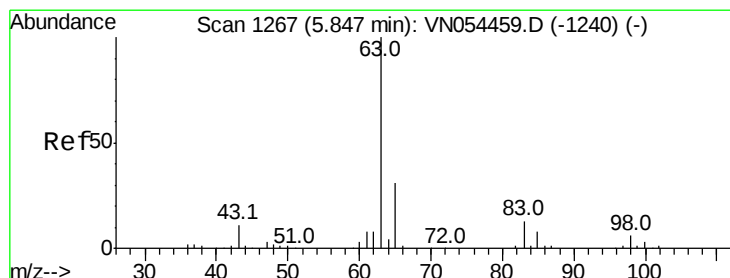
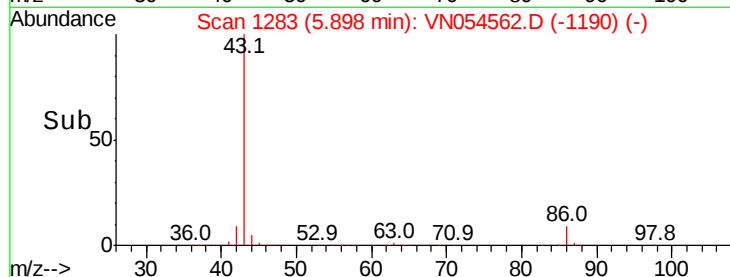
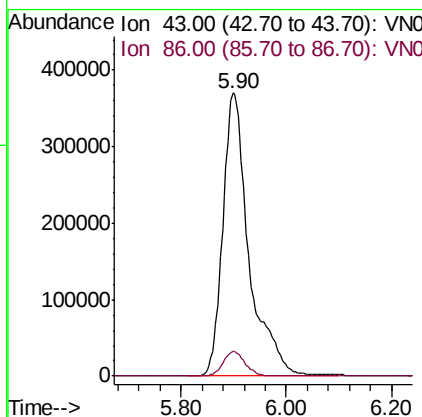
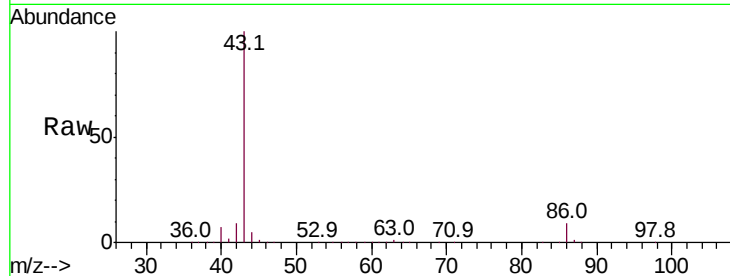
#23
 Vinyl Acetate
 Concen: 112.420 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion: 43 Resp: 1271619
 Ion Ratio Lower Upper
 43 100
 86 8.8 9.1 13.7#

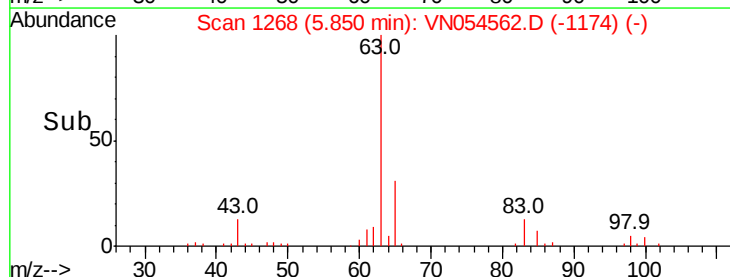
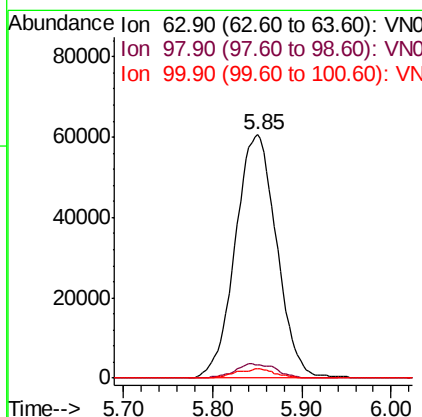
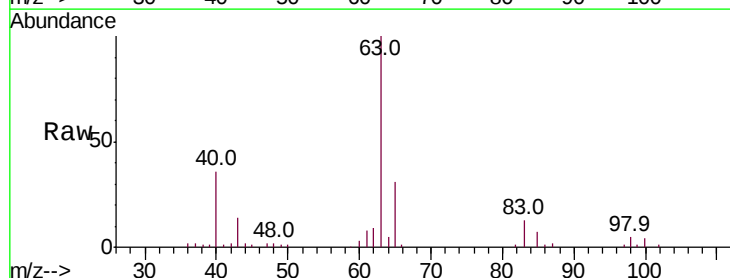
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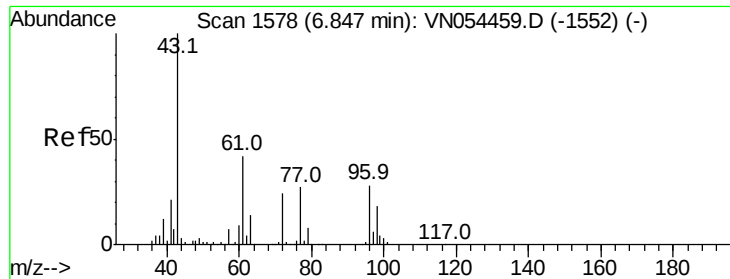
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#24
 1,1-Dichloroethane
 Concen: 22.599 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 63 Resp: 194879
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 110.270 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 43 Resp: 236144

Ion Ratio Lower Upper

43 100

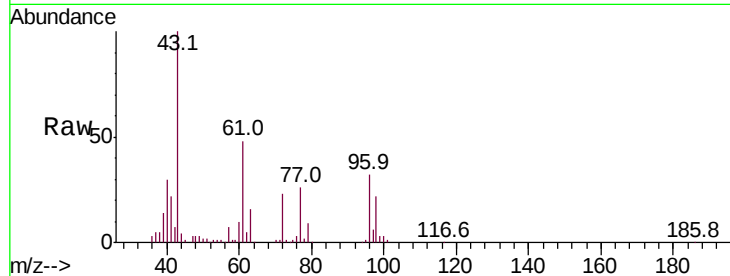
72 22.7 23.0 34.6#

Manual Integrations

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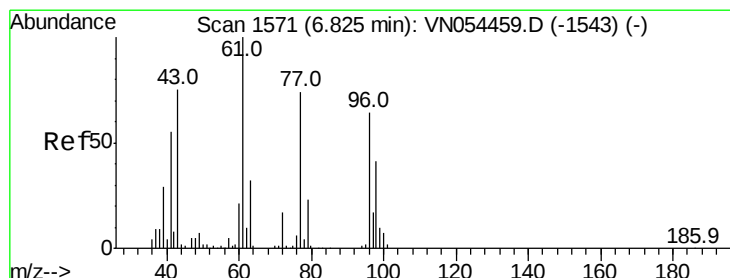
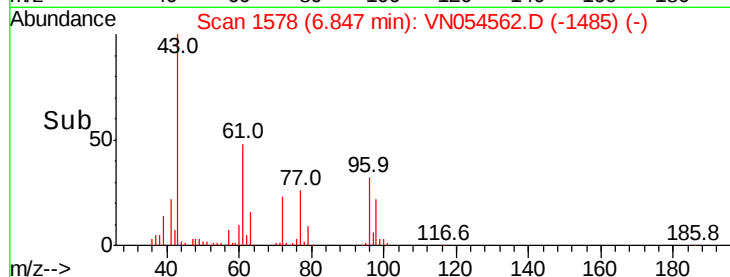
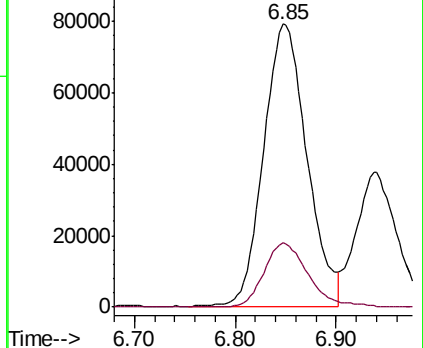
MMDadoda

3/25/2019 3:11:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.862 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054562.D

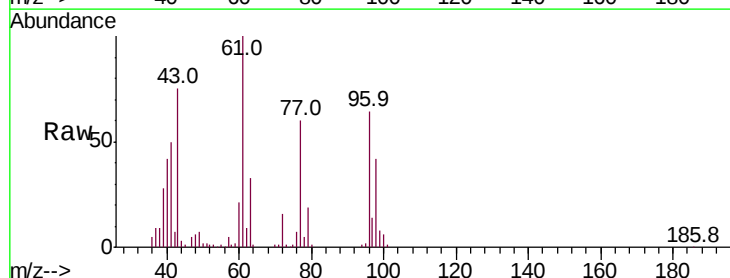
Acq: 22 Mar 2019 17:10

Tgt Ion: 77 Resp: 115945

Ion Ratio Lower Upper

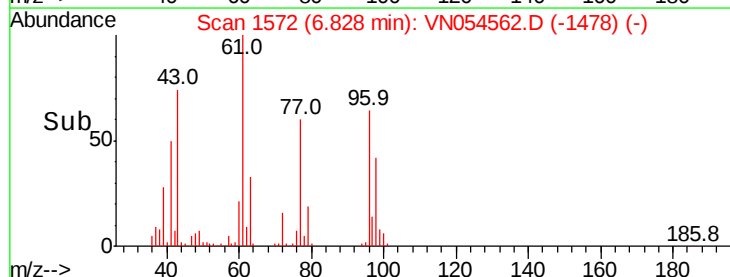
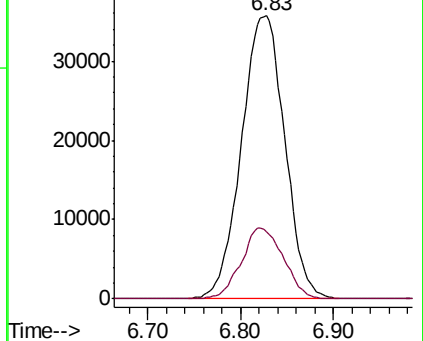
77 100

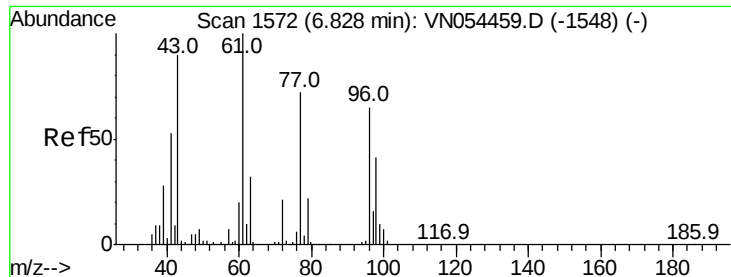
97 24.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.011 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

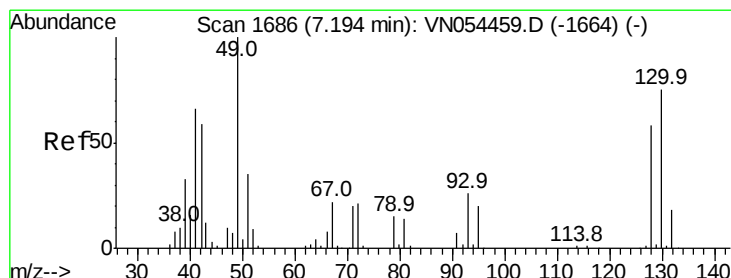
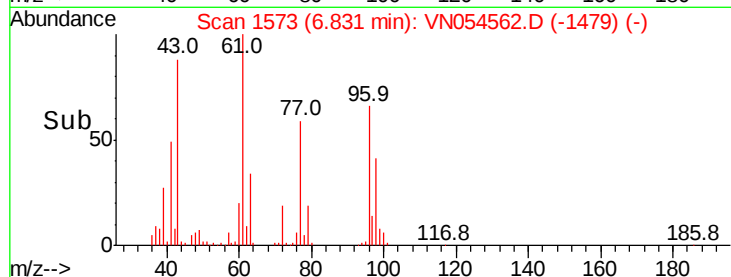
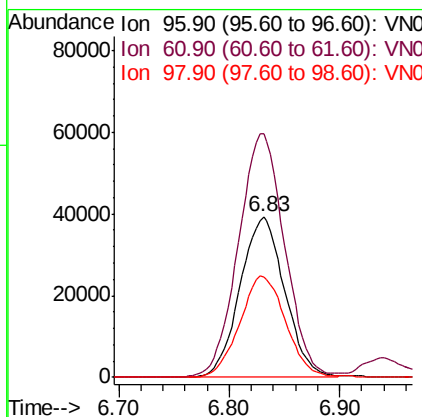
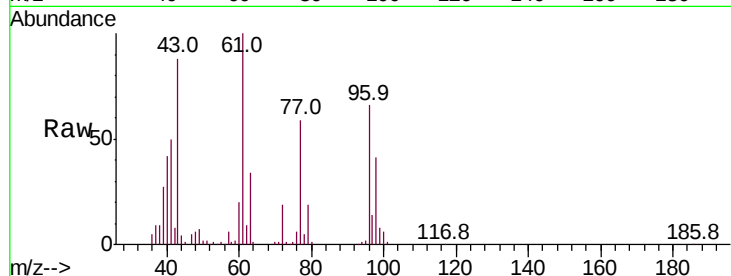
ClientSampleId :

VN0322WBSD01

Tot Ion	96	Resp	110340
Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	273.0
98	65.2	0.0	130.6

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#28

Bromochloromethane

Concen: 22.385 ug/l

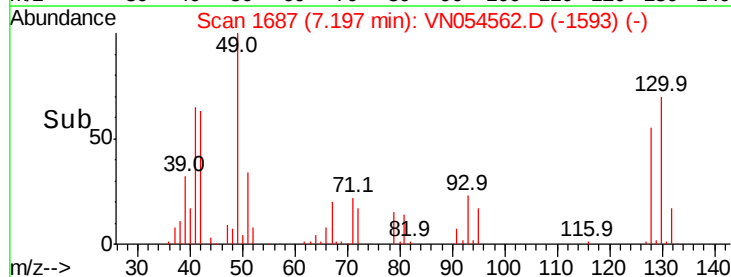
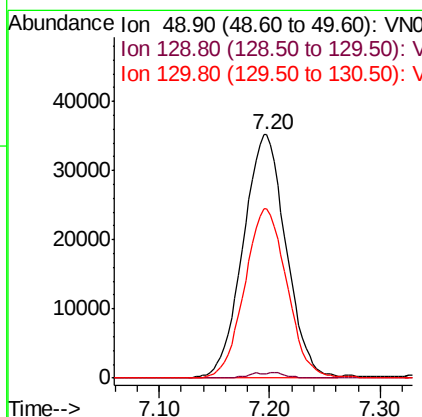
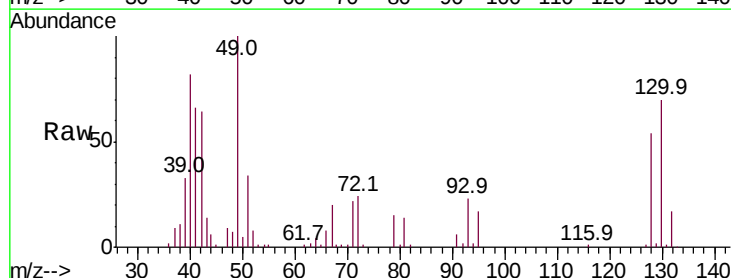
RT: 7.20 min Scan# 1687

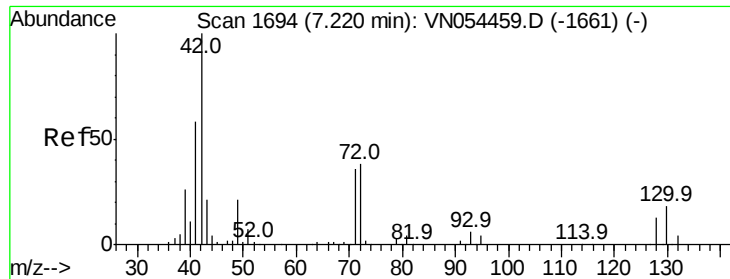
Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion	49	Resp	95016
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.6
130	68.3	76.7	115.1#





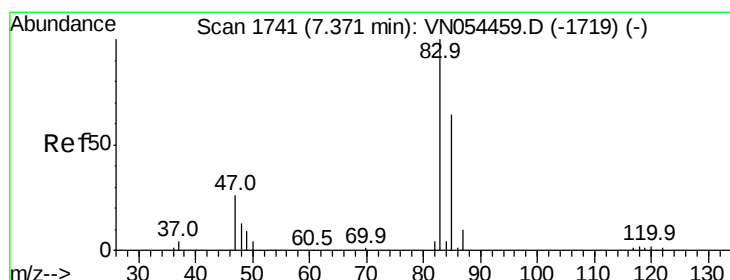
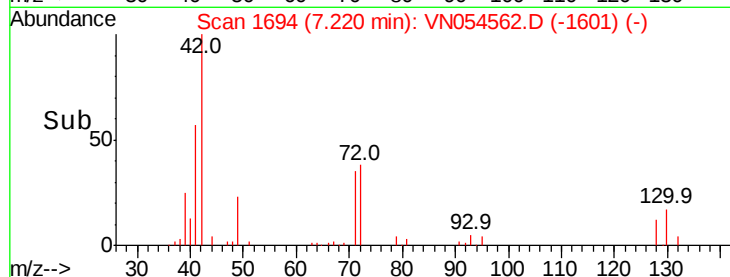
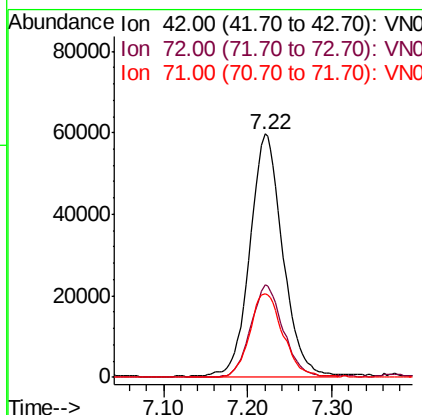
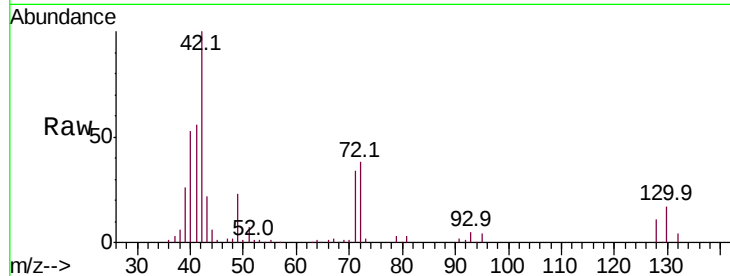
#29
Tetrahydrofuran
Concen: 115.035 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	37.8	56.6
71	35.4	36.2	54.2

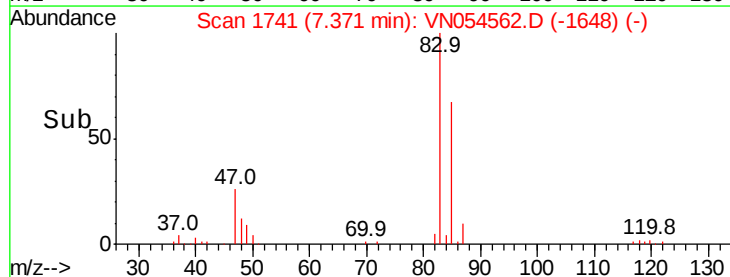
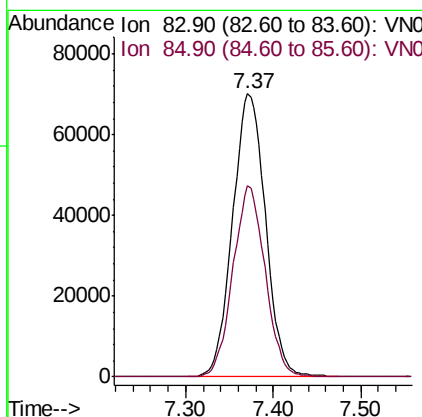
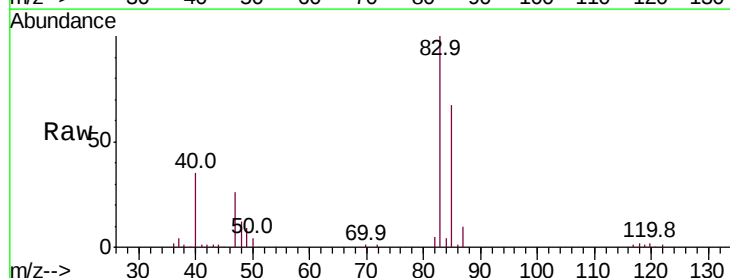
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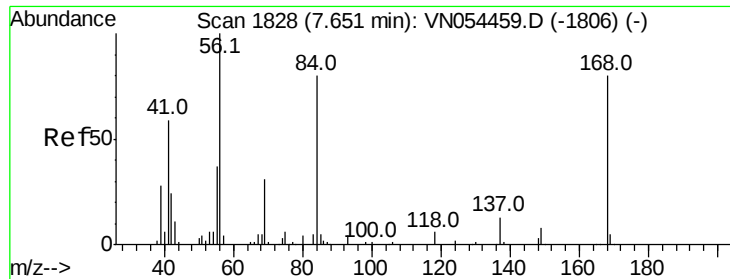
MMDadoda
3/25/2019 3:11:26 PM



#30
Chloroform
Concen: 21.777 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.2	78.4





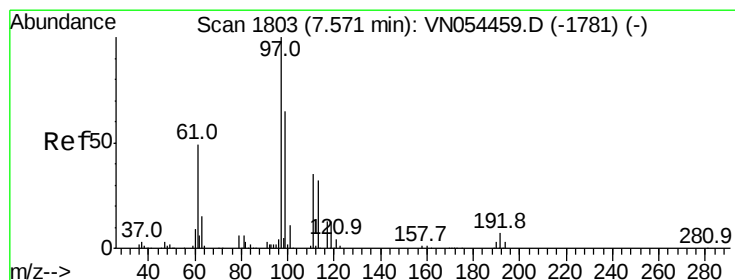
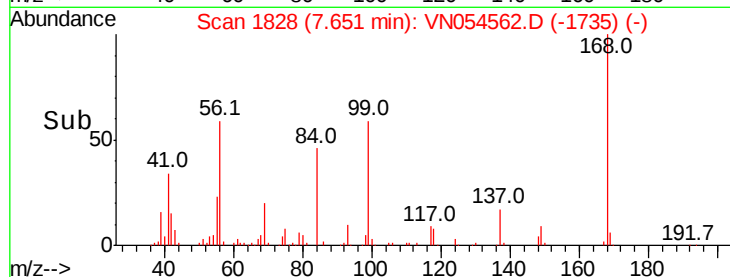
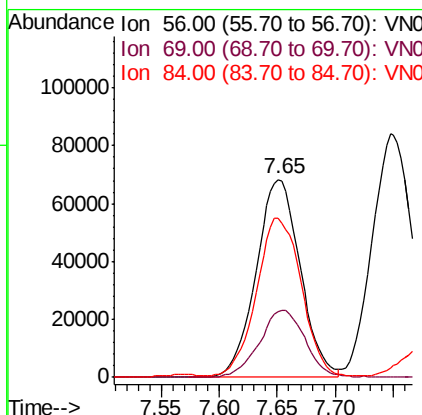
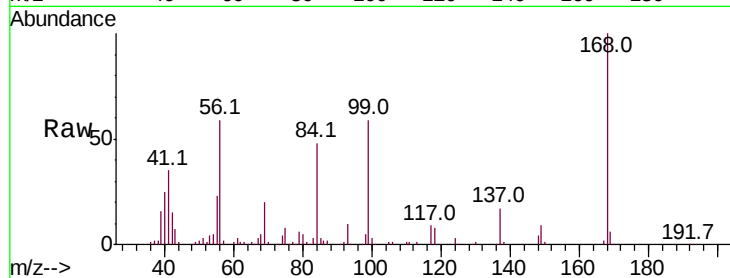
#31
Cyclohexane
Concen: 20.830 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	27.8	41.6
84	78.9	74.6	111.8

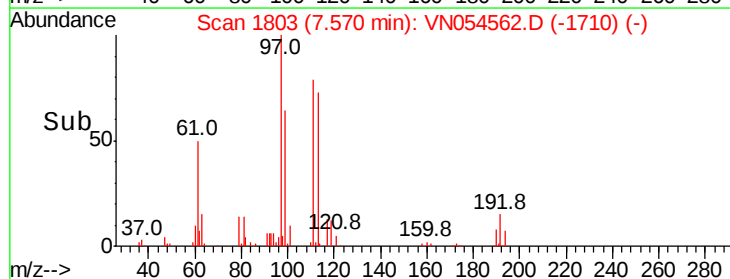
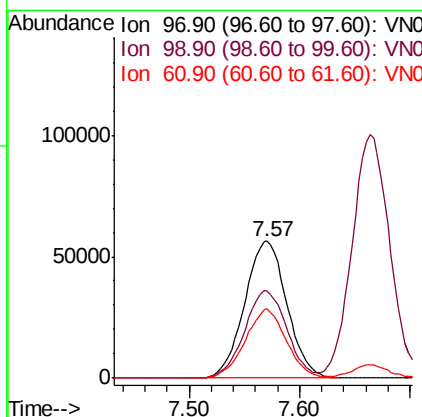
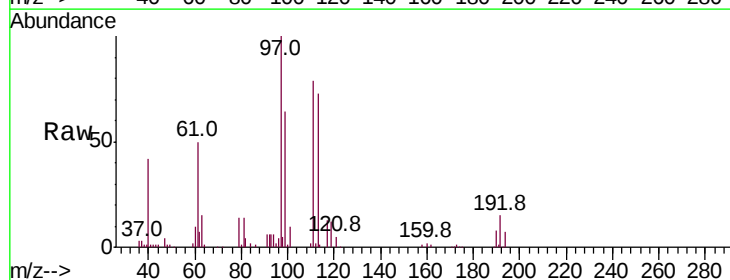
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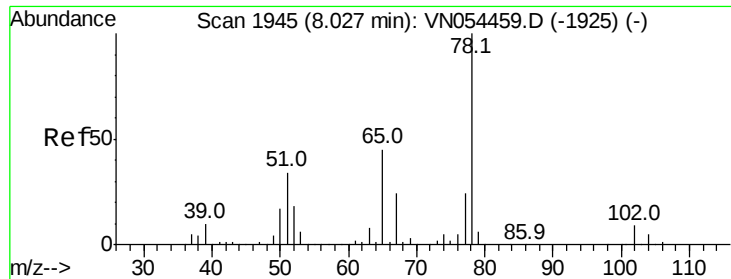
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.607 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	49.1	33.6	50.4





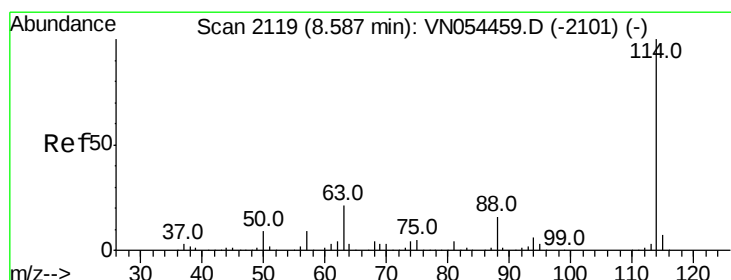
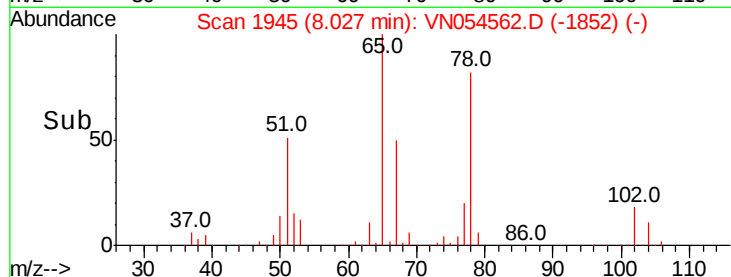
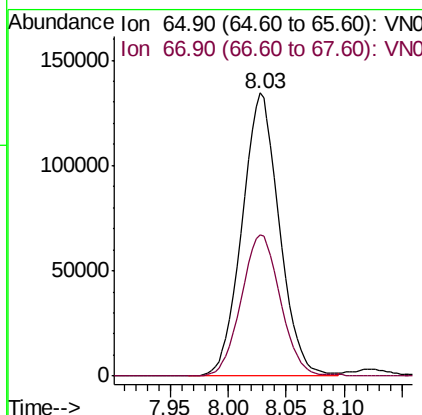
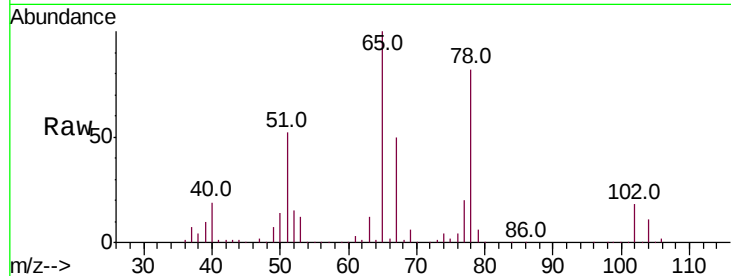
#33
 1,2-Dichloroethane-d4
 Concen: 54.259 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.6	

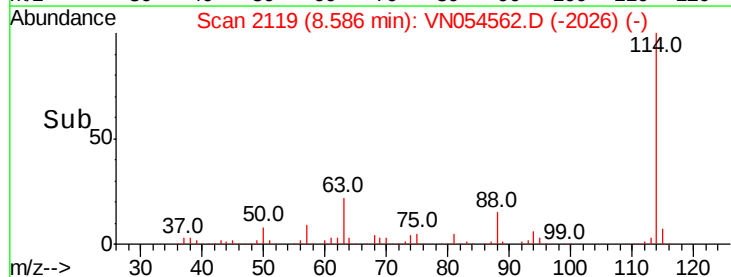
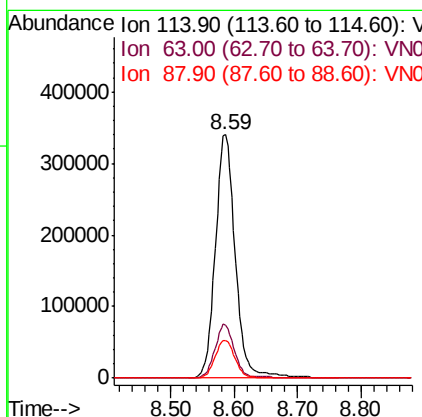
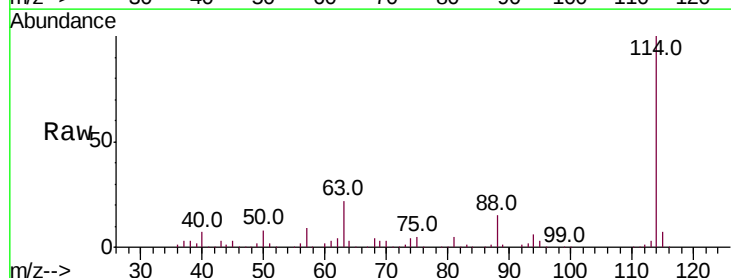
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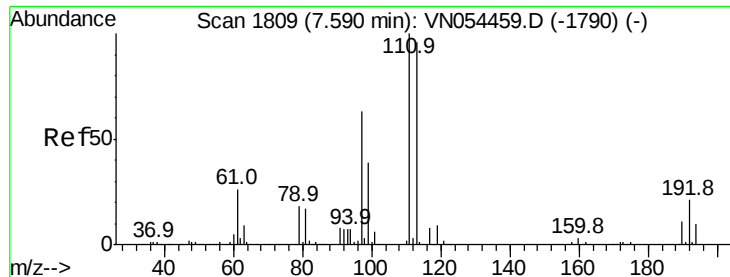
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	35.2	
88	15.4	0.0	30.2	





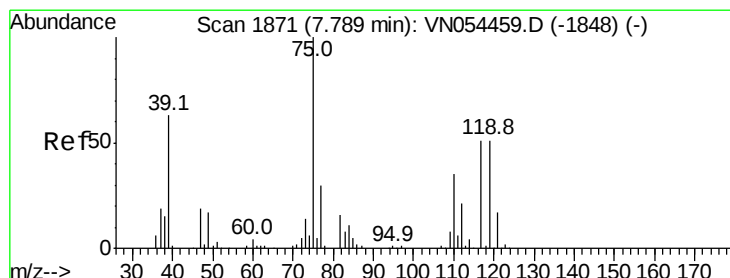
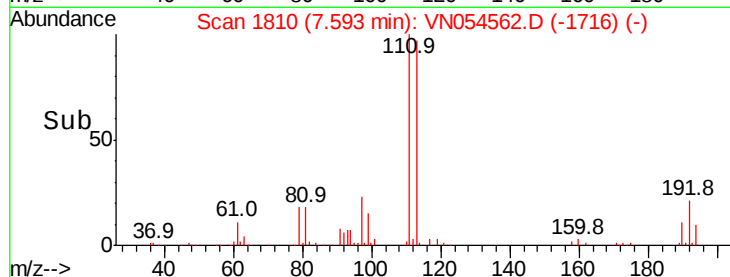
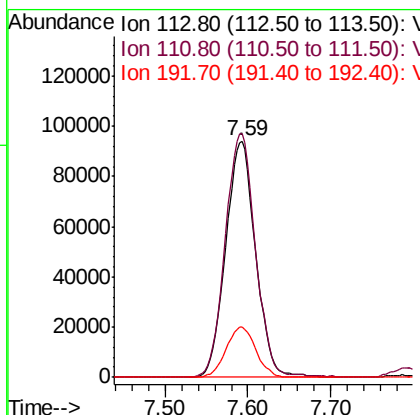
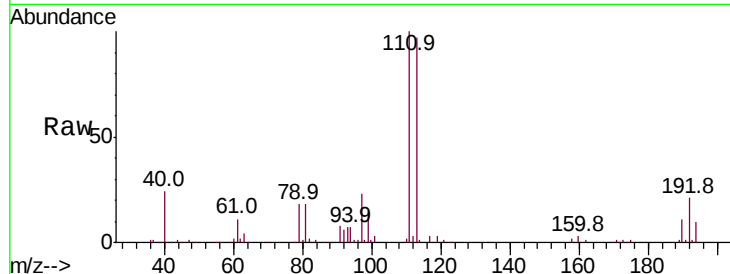
#35
 Dibromofluoromethane
 Concen: 49.364 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	21.1	19.2	28.8

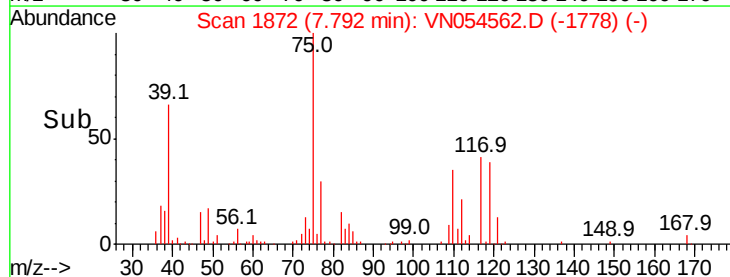
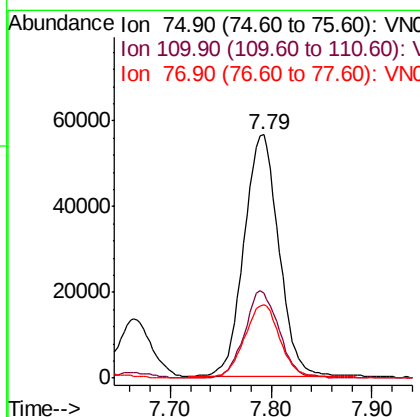
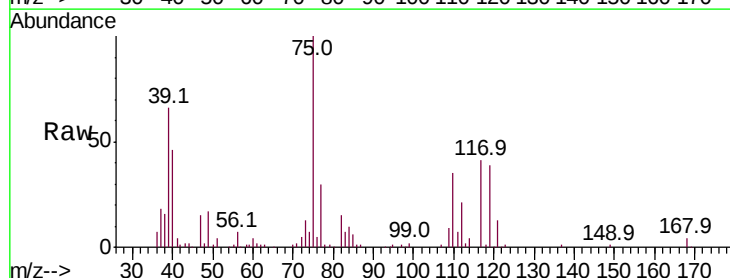
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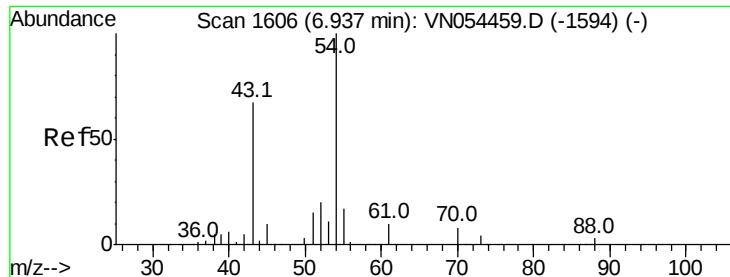
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.499 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.1	57.5
77	31.1	25.0	37.4





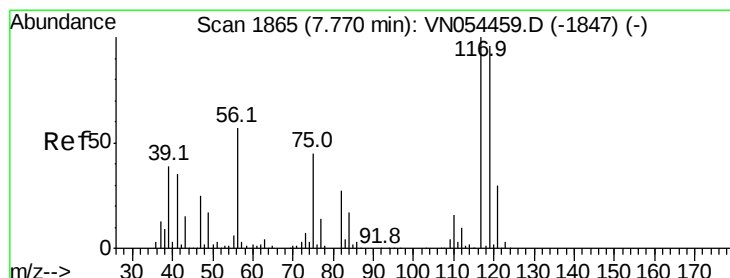
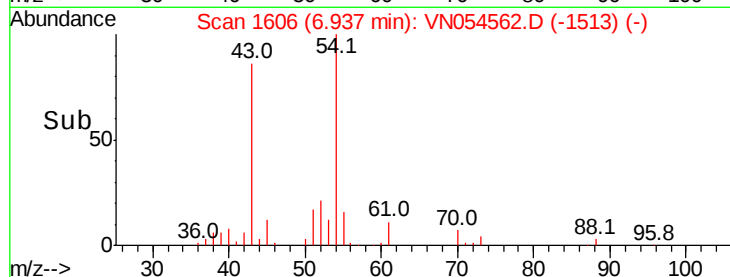
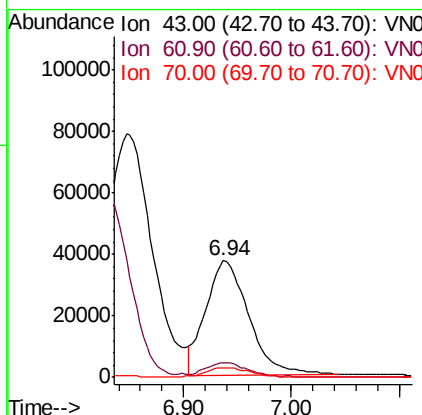
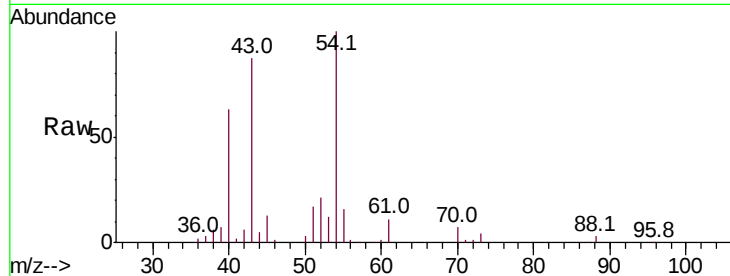
#37
Ethyl Acetate
Concen: 20.883 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	43	61	70
Ion Ratio	100	11.6	8.9
Resp: Lower		11.8	8.4
Upper		17.6#	12.6

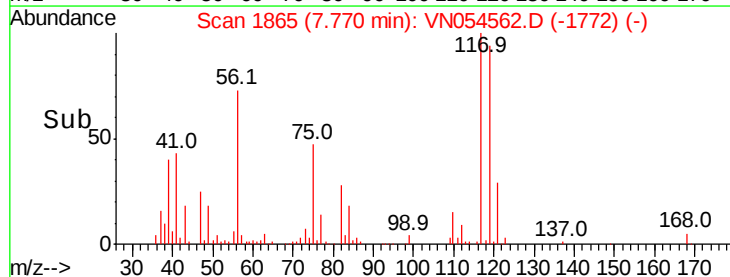
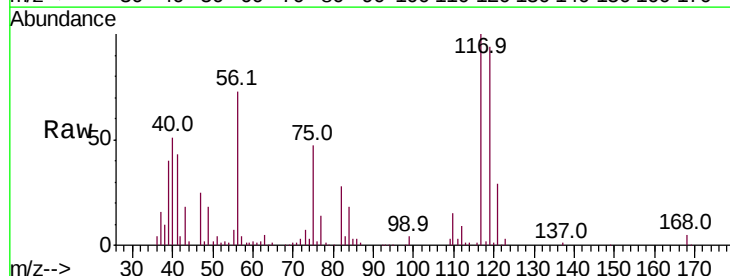
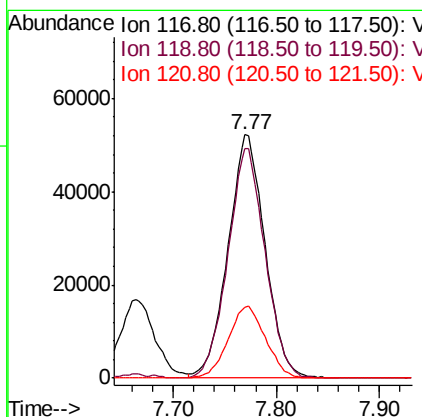
Manual Integrations
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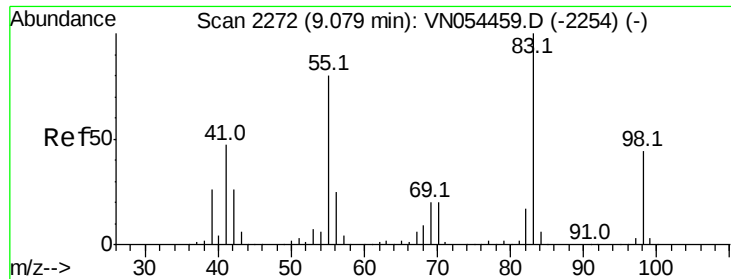
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#38
Carbon Tetrachloride
Concen: 19.368 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	117	119	121
Ion Ratio	100	94.3	28.9
Resp: Lower		76.3	24.6
Upper		114.5	36.8





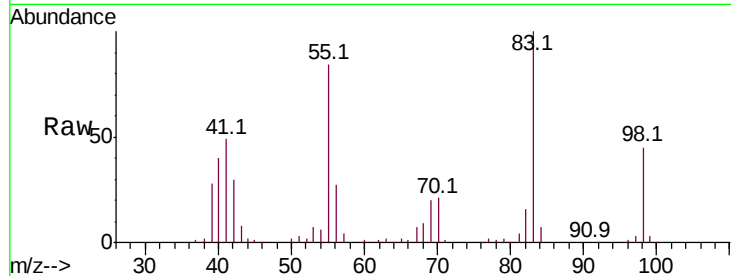
#39
Methvlcvclohexane
Concen: 18.419 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

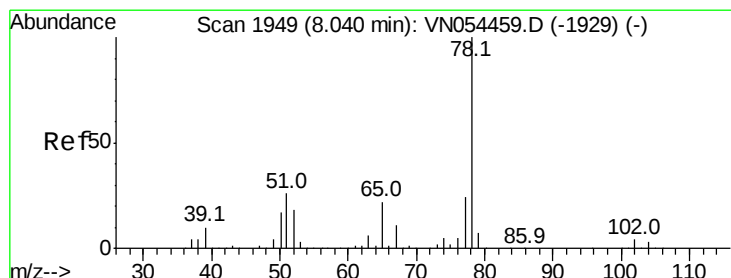
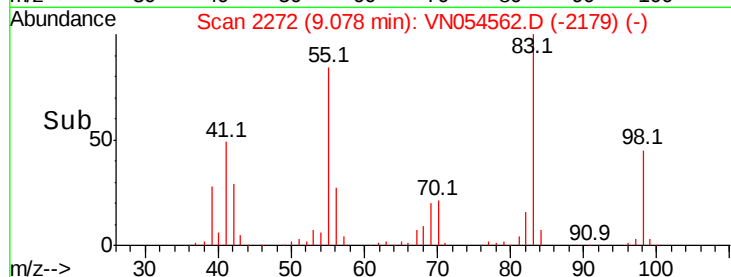
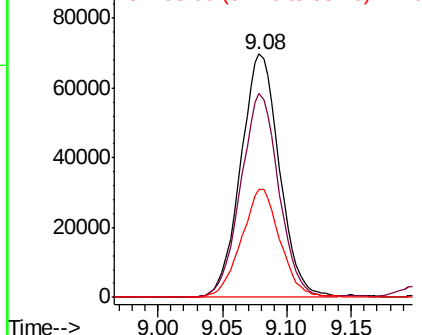
Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	56.6	84.8
98	44.6	38.4	57.6

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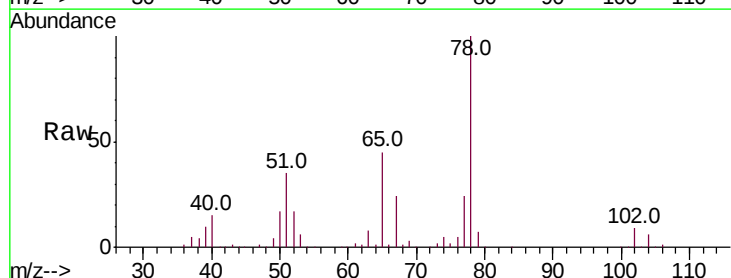


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

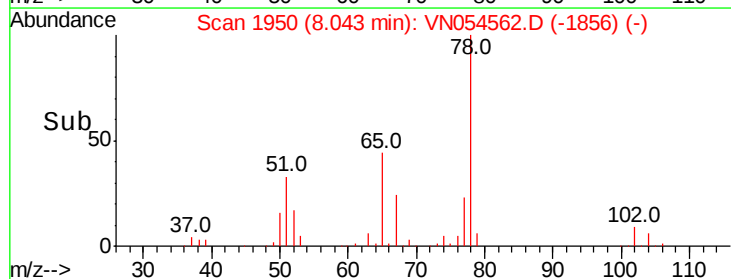
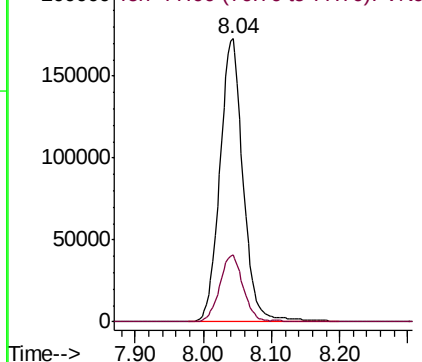


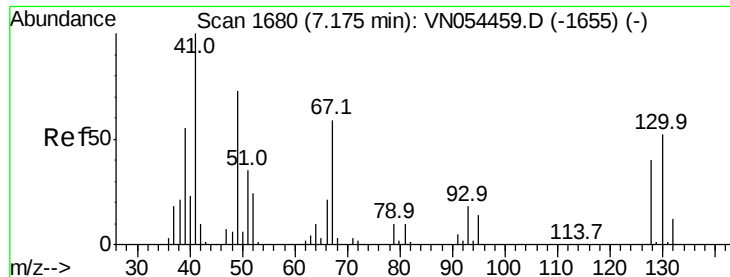
#40
Benzene
Concen: 20.620 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





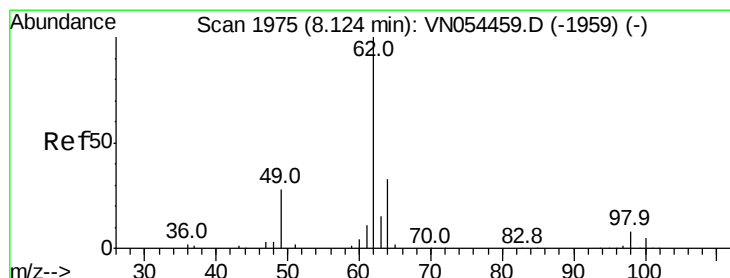
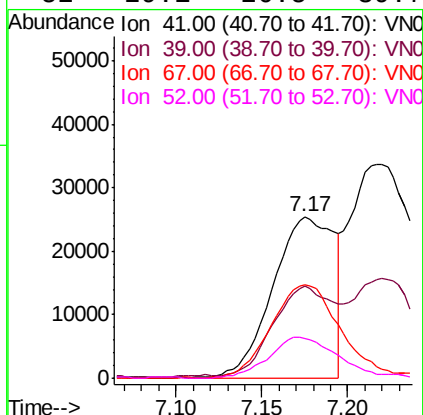
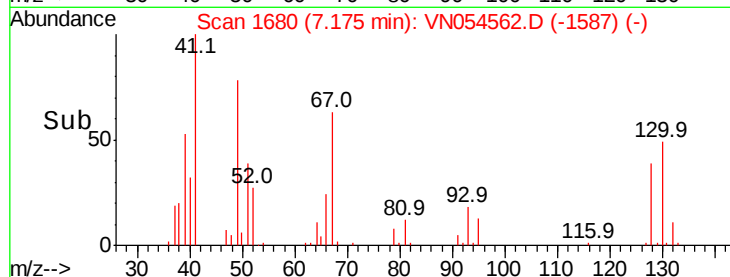
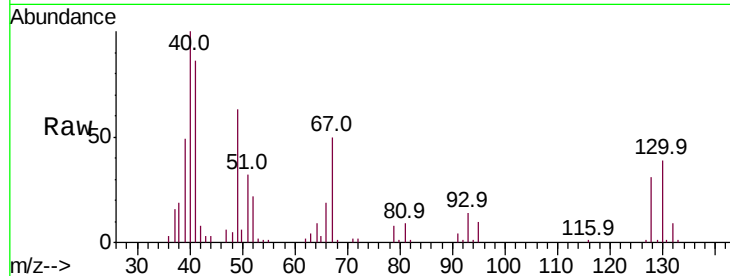
#41
Methacrylonitrile
Concen: 20.995 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	46.8	70.2	
67	66.2	67.0	100.4	
52	29.1	26.5	39.7	

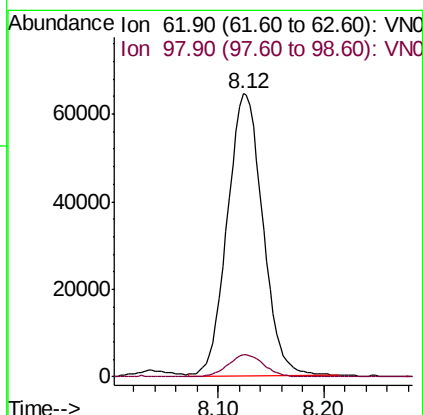
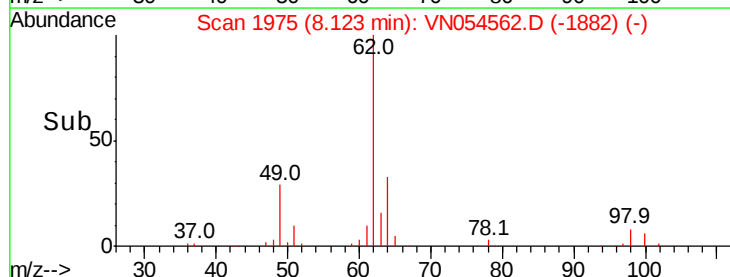
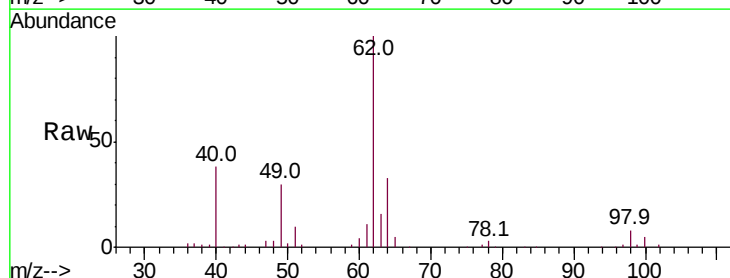
Manual Integrations
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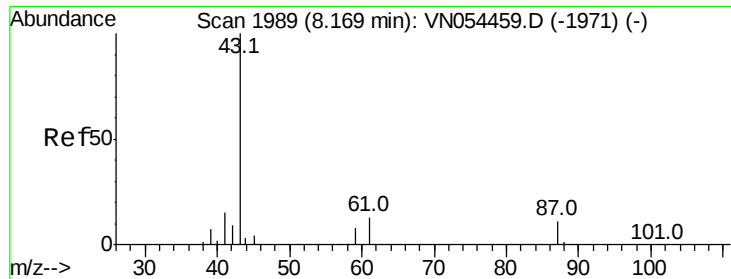
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.827 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





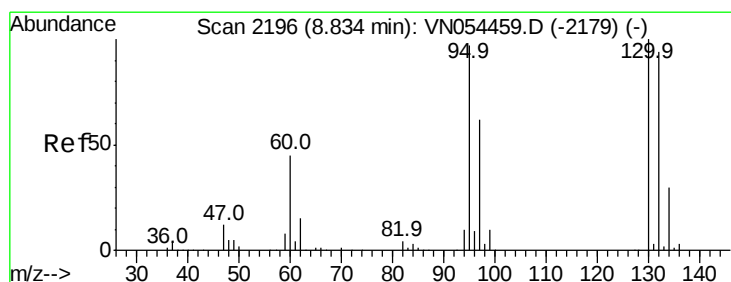
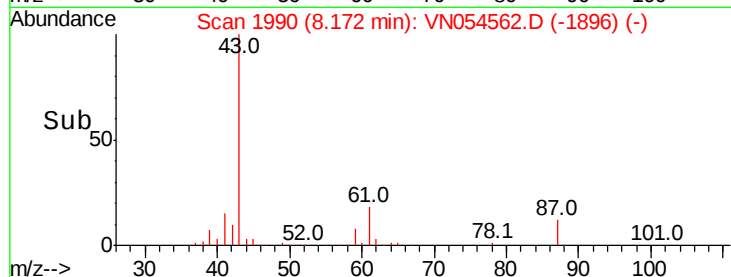
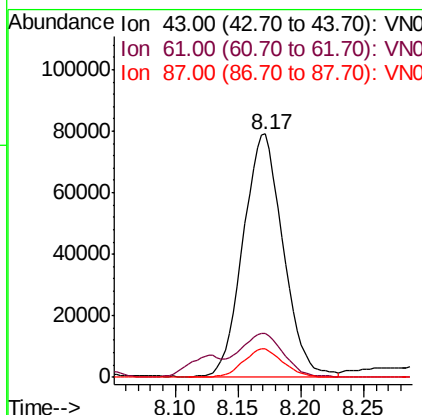
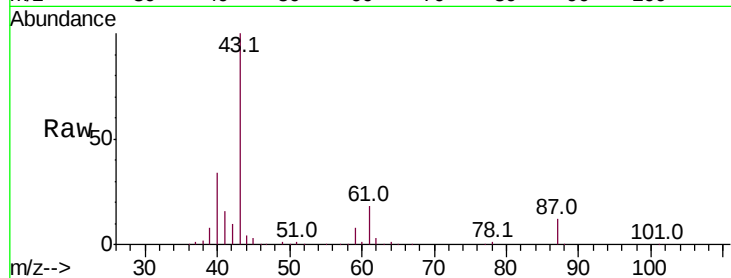
#43
Isopropyl Acetate
Concen: 20.993 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.8	23.8
87	11.7	12.0	18.0

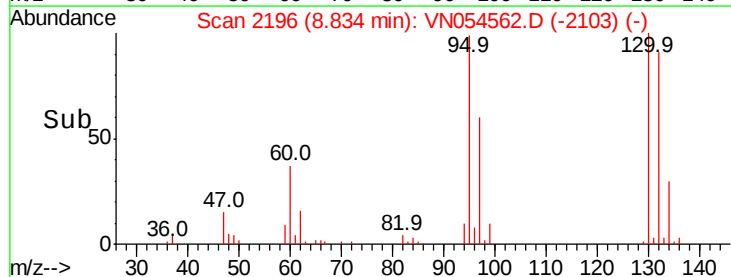
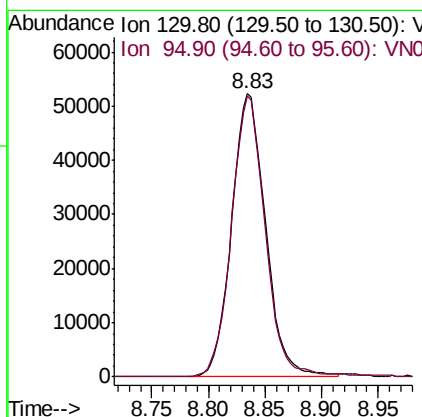
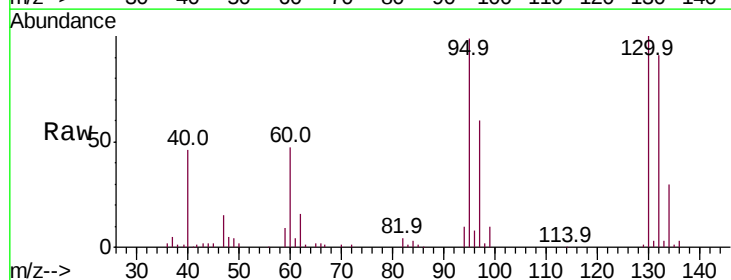
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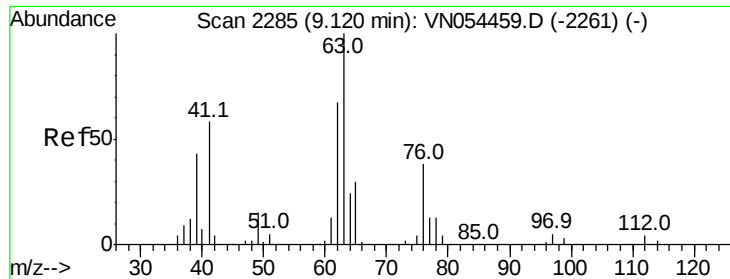
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#44
Trichloroethene
Concen: 19.870 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	185.2





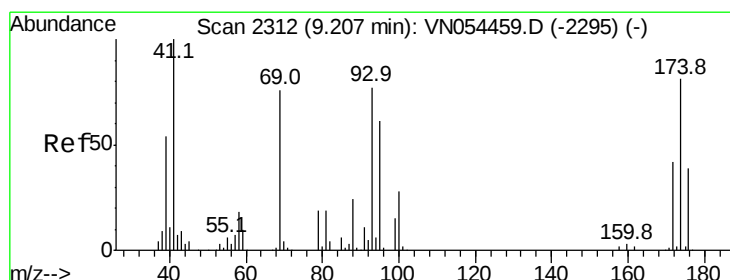
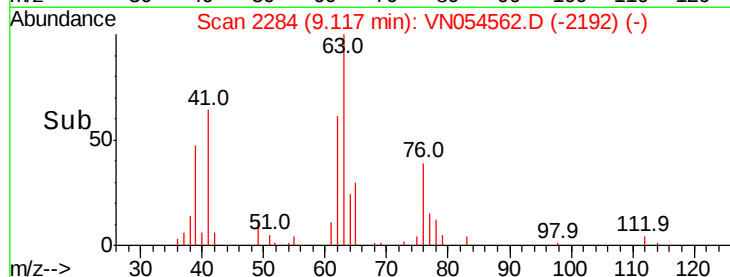
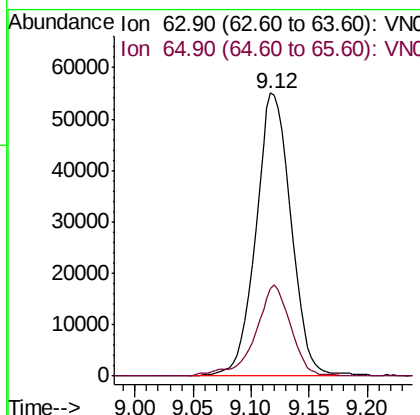
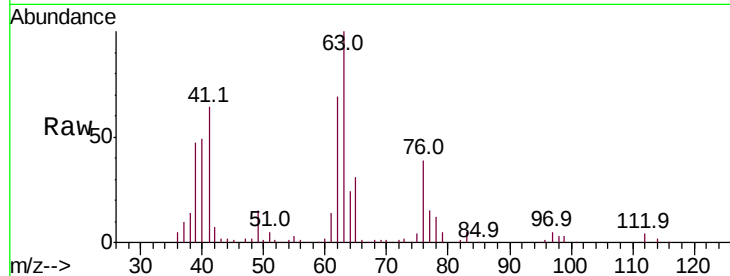
#45
 1,2-Dichloropropane
 Concen: 21.766 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion: 63 Resp: 115861
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

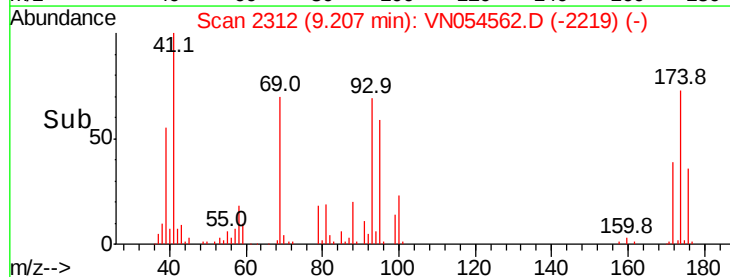
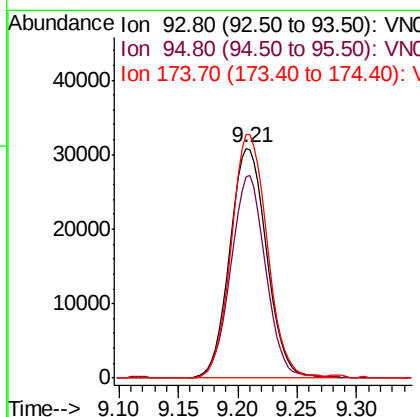
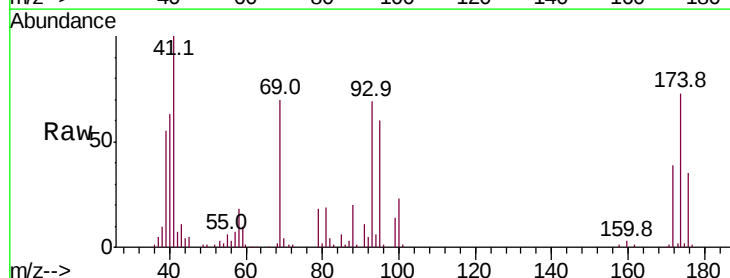
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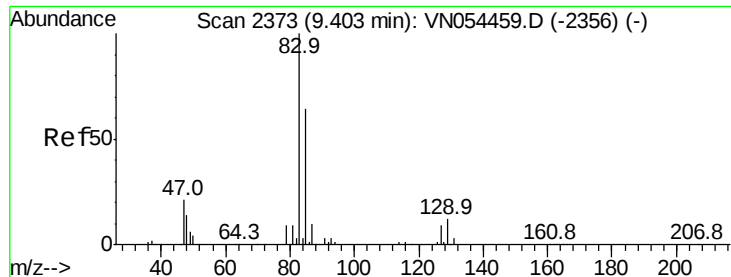
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#46
 Dibromomethane
 Concen: 20.863 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion: 93 Resp: 66250
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 103.2 98.5 147.7





#47

Bromodichloromethane

Concen: 20.621 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

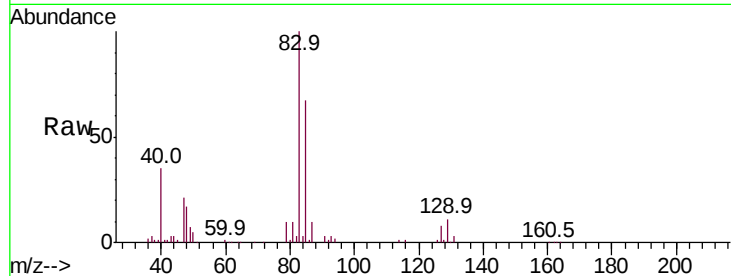
ClientSampleId :

VN0322WBSD01

Tot Ion:	83	Resp:	135901
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.8	79.2
127	8.0	7.4	11.2

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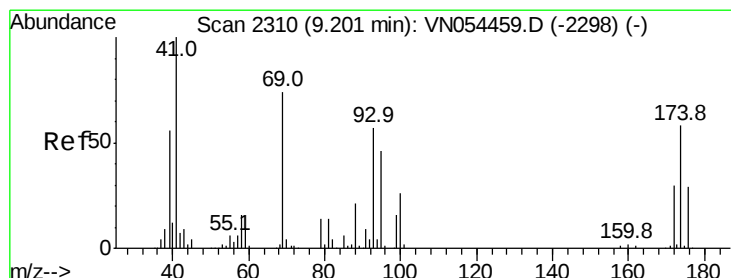
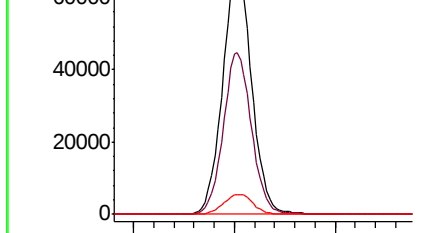
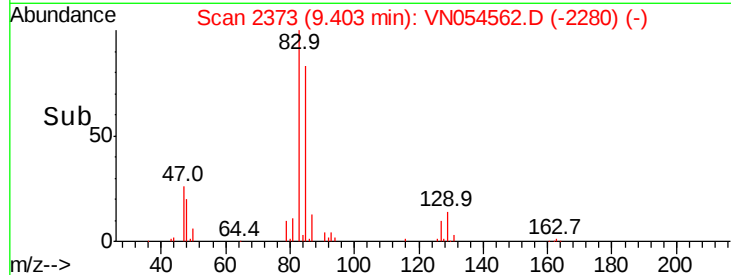


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.761 ug/l

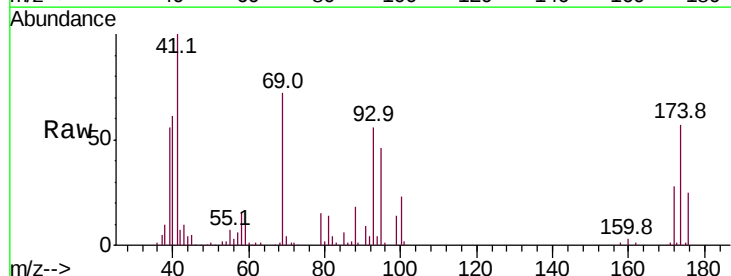
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	41	Resp:	93828
Ion	Ratio	Lower	Upper
41	100		
69	70.4	72.6	108.8#
39	55.8	47.5	71.3

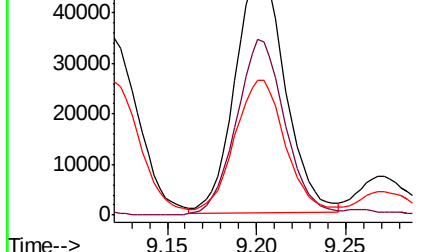
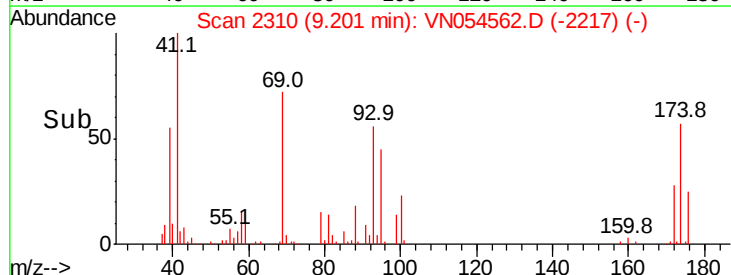


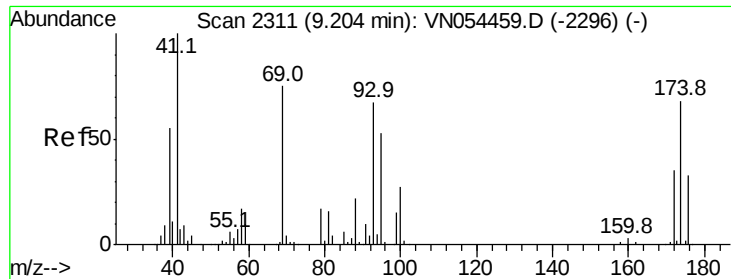
Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)

Time-->





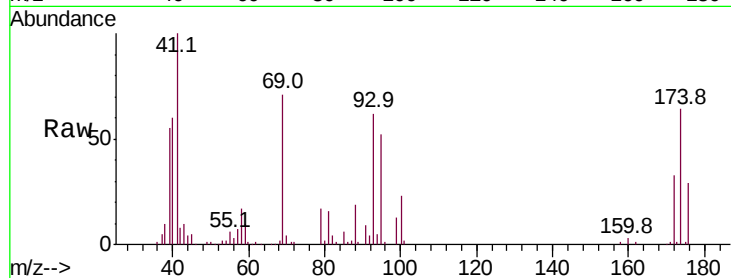
#49
1,4-Dioxane
Concen: 402.251 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

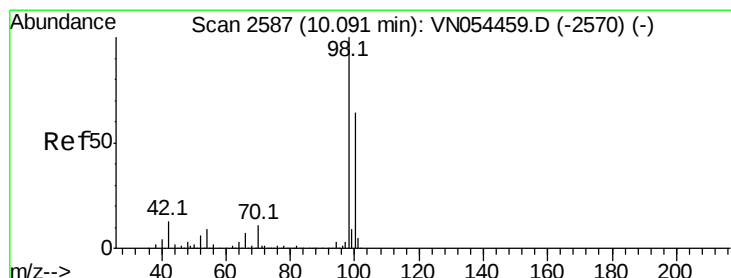
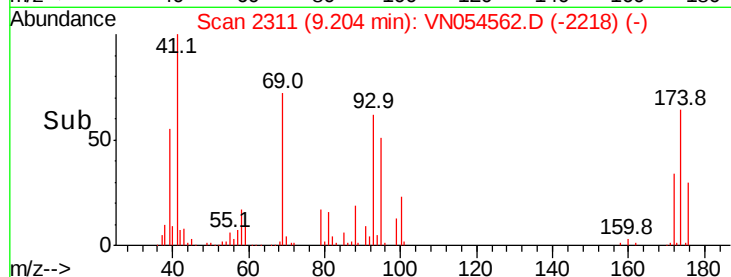
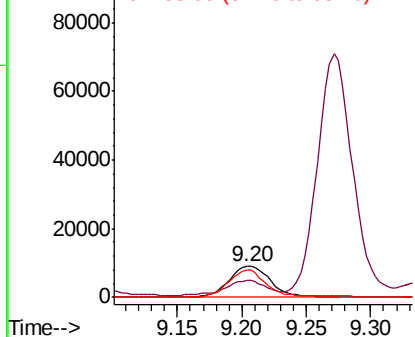
Tot Ion	Ratio	Lower	Upper
88	100		
43	44.4	24.1	36.1#
58	80.0	50.8	76.2#

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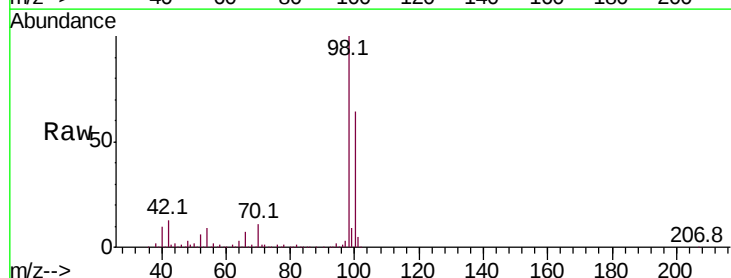


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

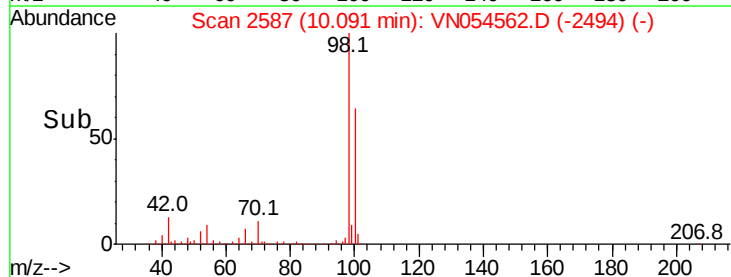
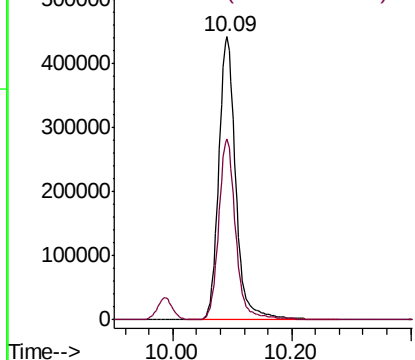


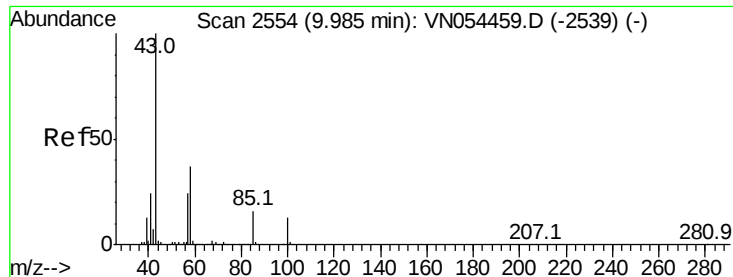
#50
Toluene-d8
Concen: 48.775 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.048 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 43 Resp: 498617

Ion Ratio Lower Upper

43 100

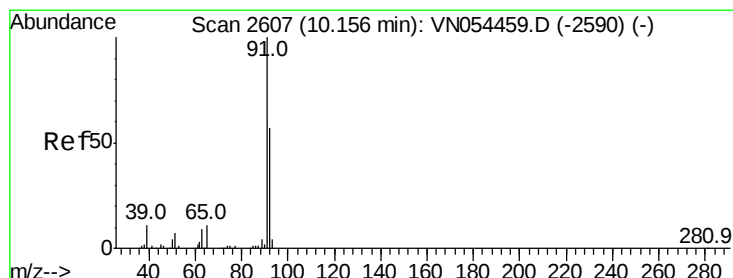
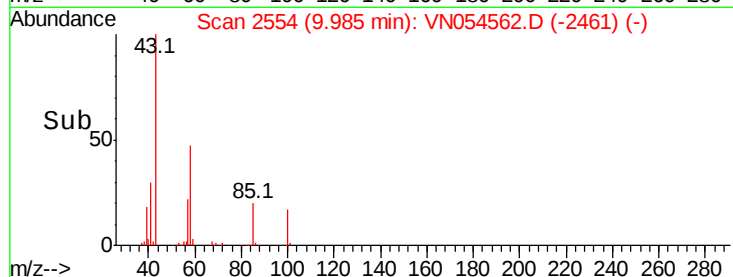
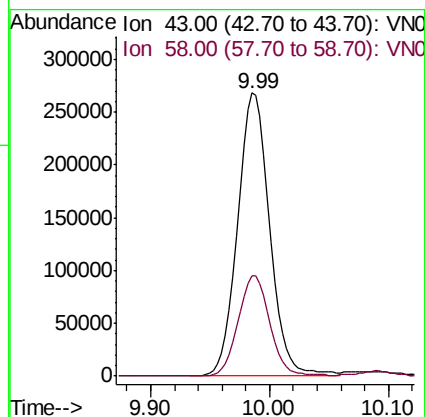
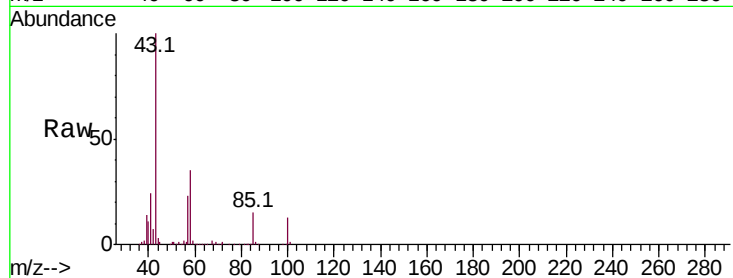
58 35.1 31.8 47.6

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#52

Toluene

Concen: 20.164 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054562.D

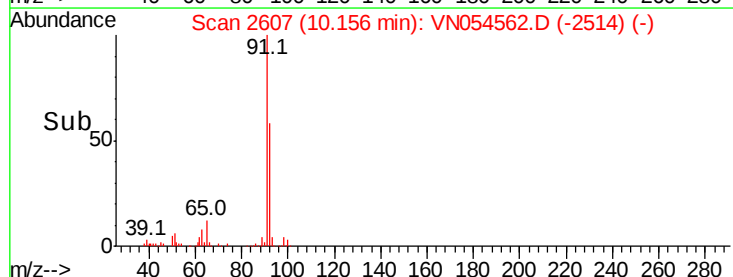
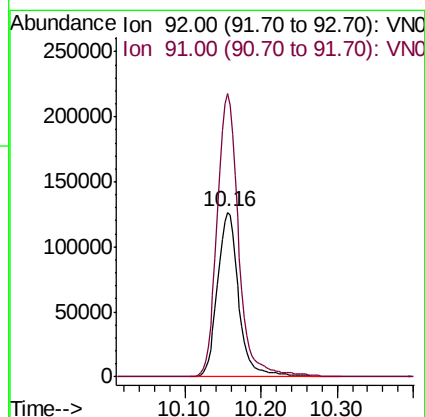
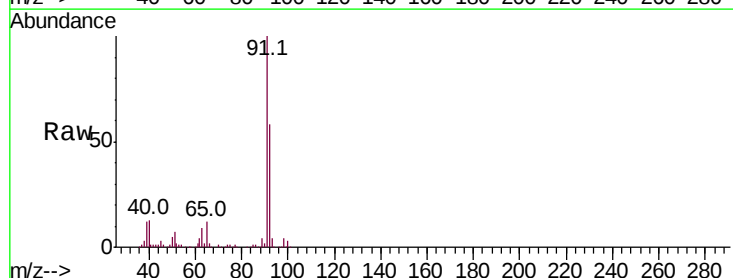
Acq: 22 Mar 2019 17:10

Tgt Ion: 92 Resp: 245848

Ion Ratio Lower Upper

92 100

91 173.8 140.7 211.1





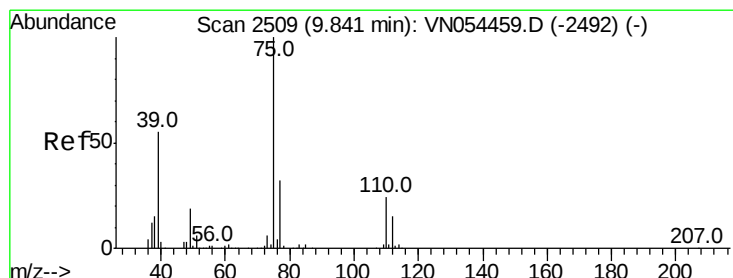
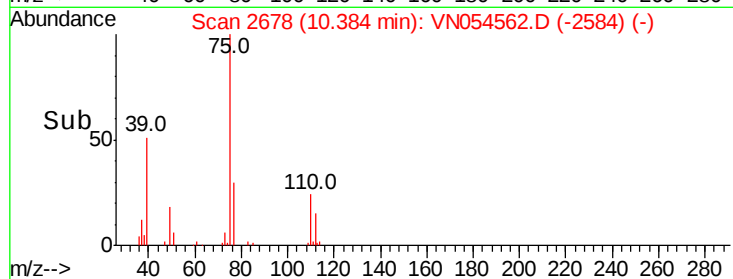
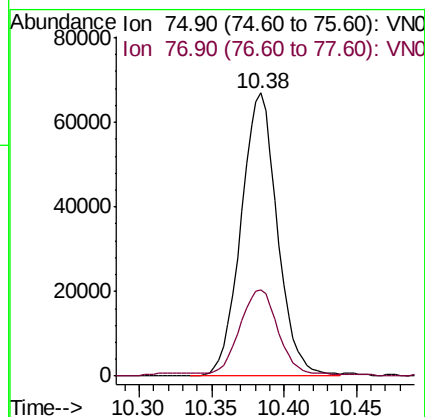
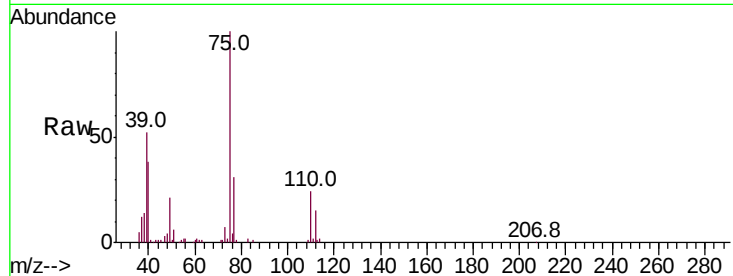
#53
t-1,3-Dichloropropene
Concen: 18.295 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	75	Resp	116890
Ion Ratio	Lower	Upper	
75	100		
77	30.1	25.8	38.8

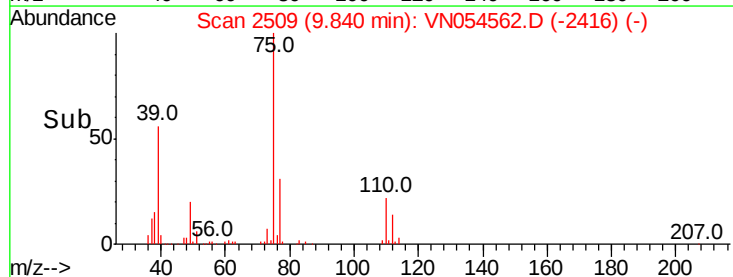
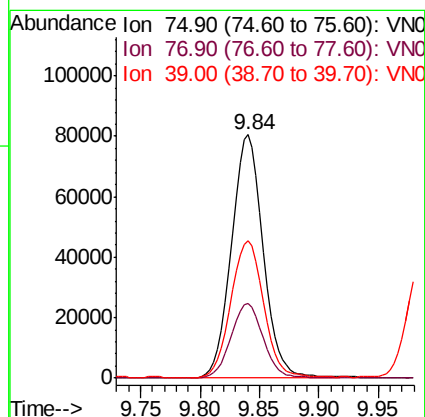
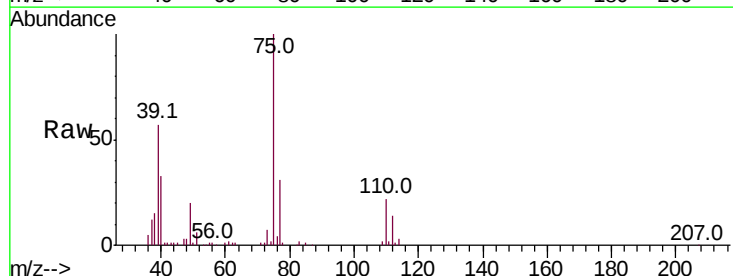
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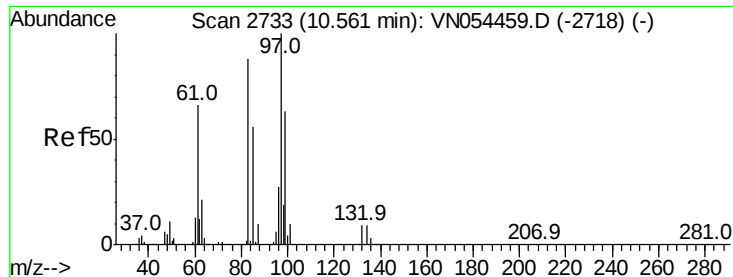
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.745 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	75	Resp	149206
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.4	38.0
39	56.2	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 20.653 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

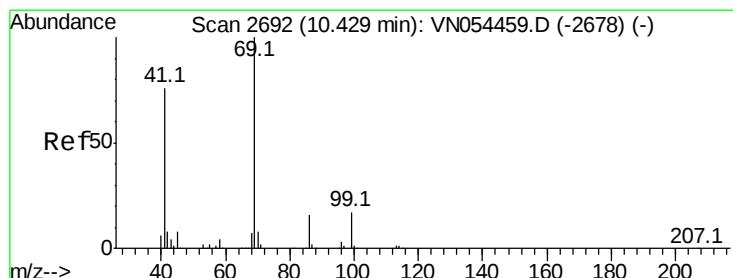
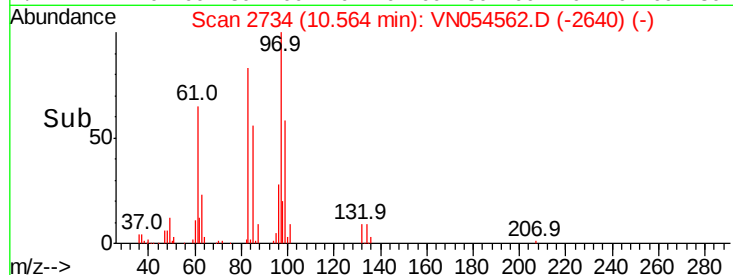
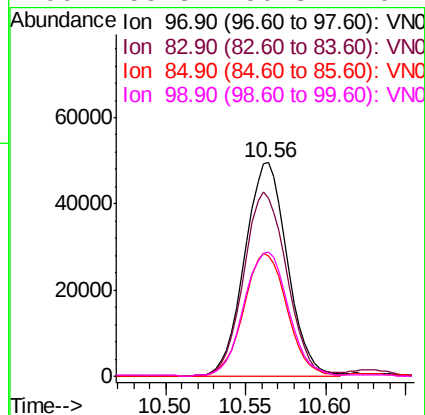
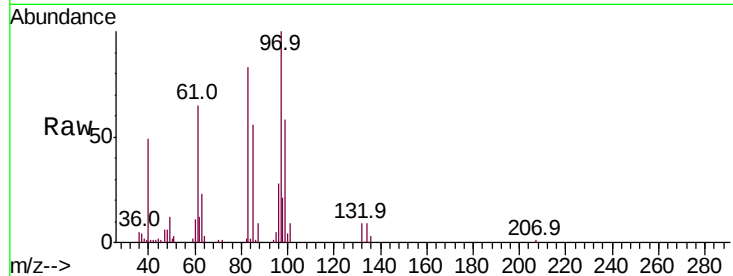
ClientSampleId :

VN0322WBSD01

Tot Ion:	97	Resp:	90517
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	56.4	44.4	66.6
99	58.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 19.871 ug/l

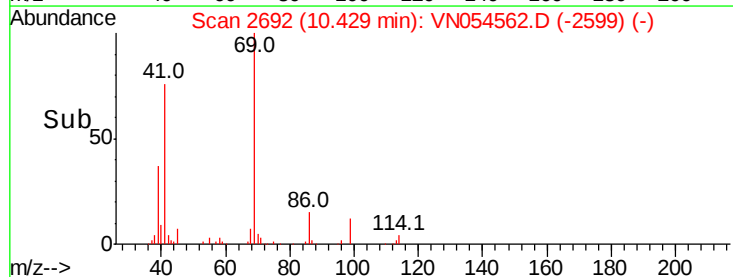
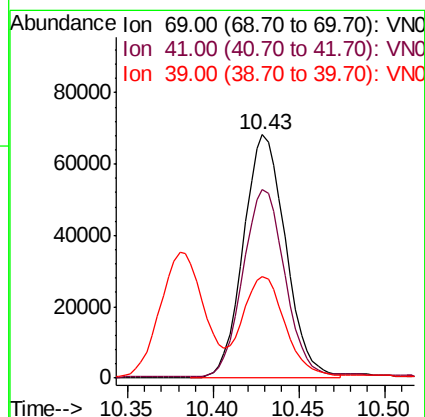
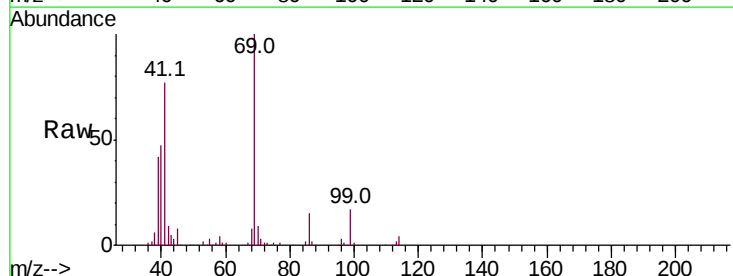
RT: 10.43 min Scan# 2692

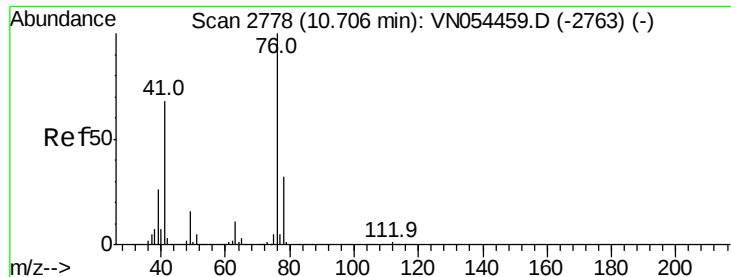
Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	69	Resp:	116892
Ion	Ratio	Lower	Upper
69	100		
41	75.5	49.4	74.2#
39	40.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.886 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 76 Resp: 159121

Ion Ratio Lower Upper

76 100

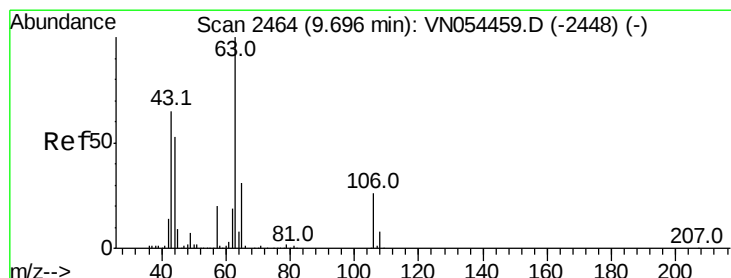
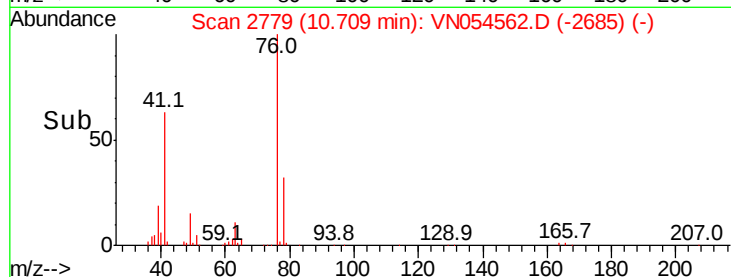
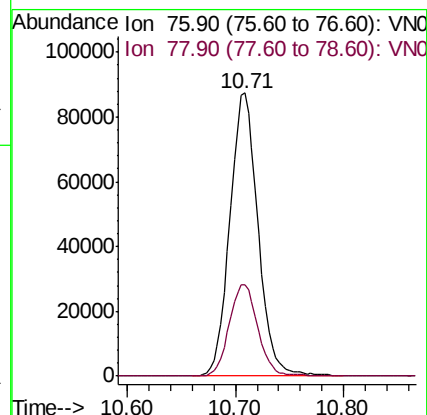
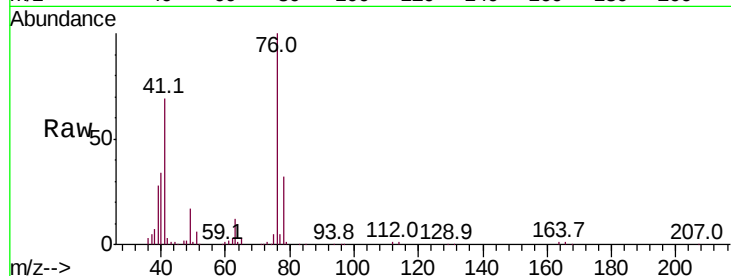
78 32.9 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 95.685 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054562.D

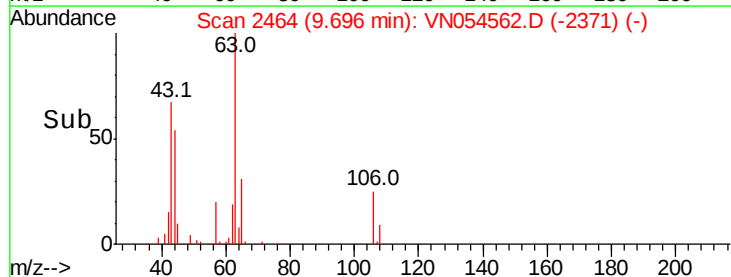
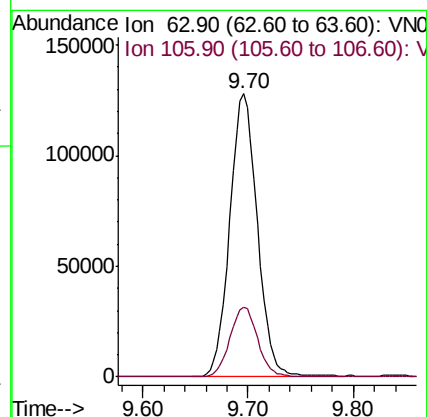
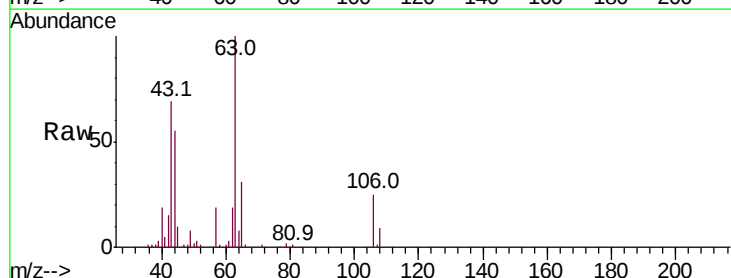
Acq: 22 Mar 2019 17:10

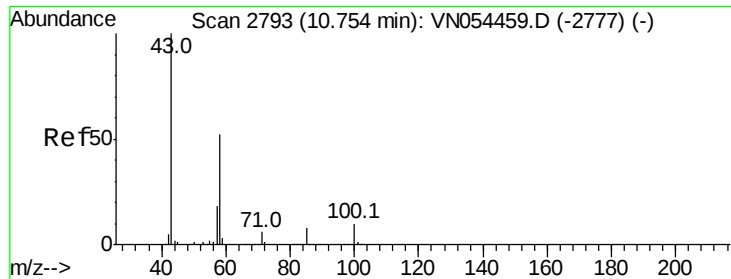
Tgt Ion: 63 Resp: 231772

Ion Ratio Lower Upper

63 100

106 24.8 24.4 36.6





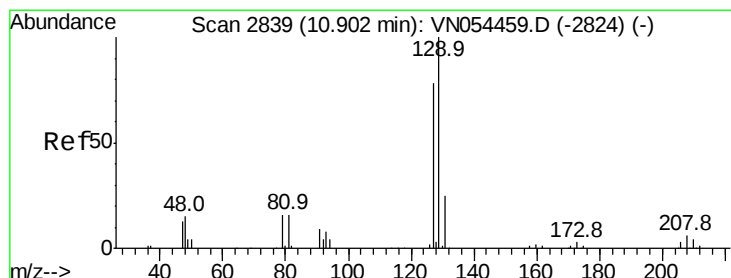
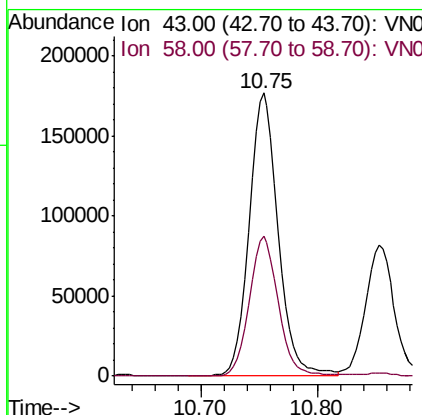
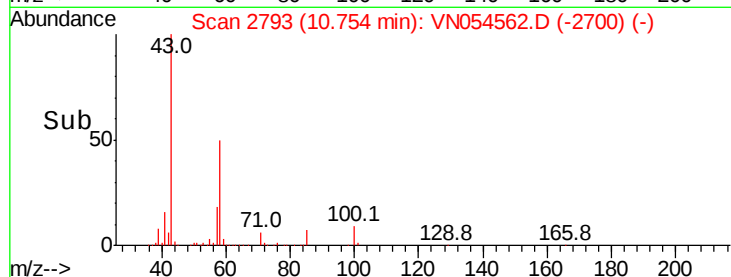
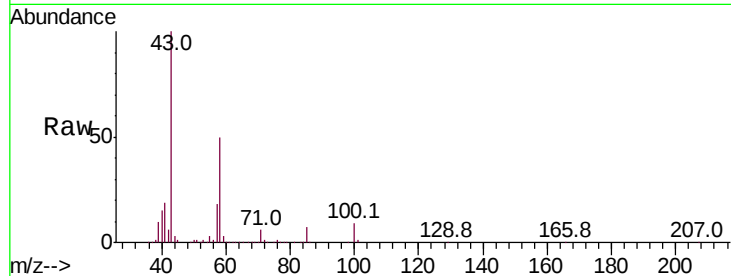
#59
2-Hexanone
Concen: 101.788 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion: 43 Resp: 306824
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9

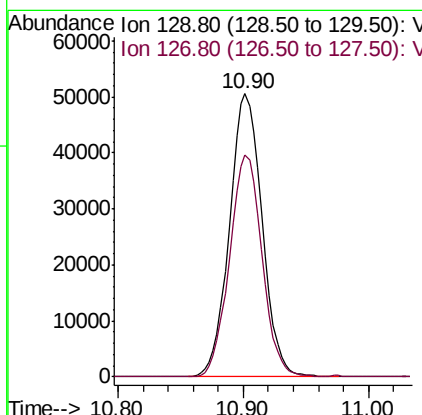
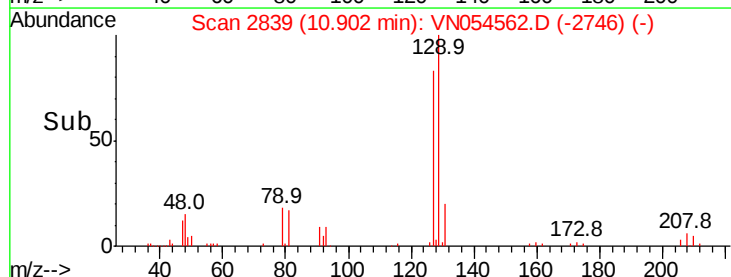
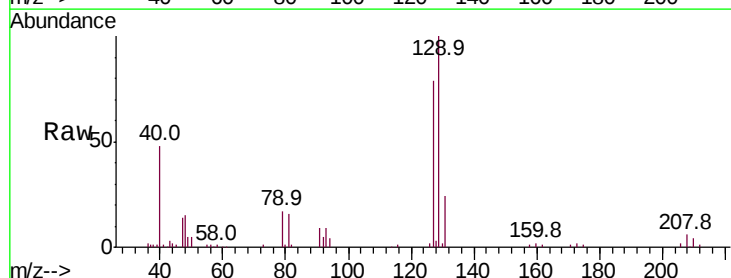
Manual Integrations
APPROVED

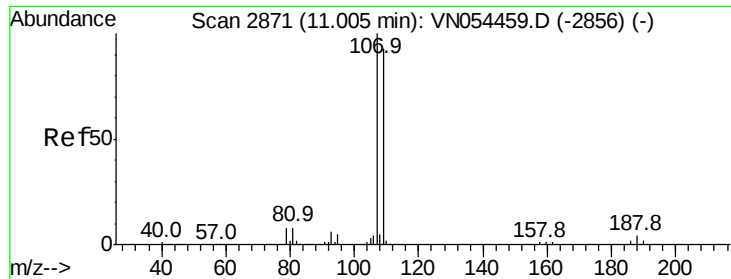
MMDadoda
3/25/2019 3:11:26 PM



#60
Dibromochloromethane
Concen: 19.582 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 129 Resp: 91324
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





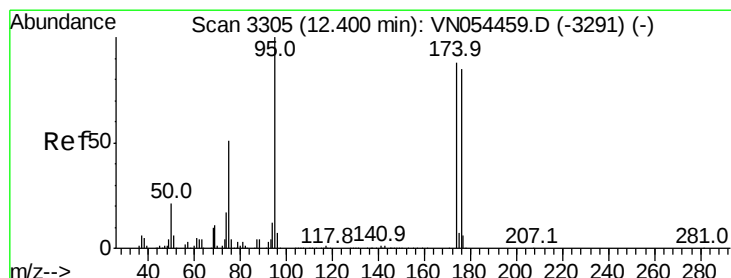
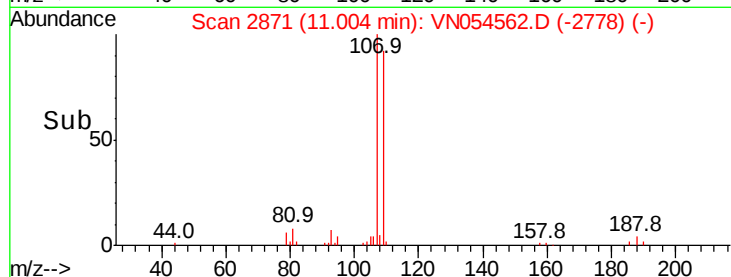
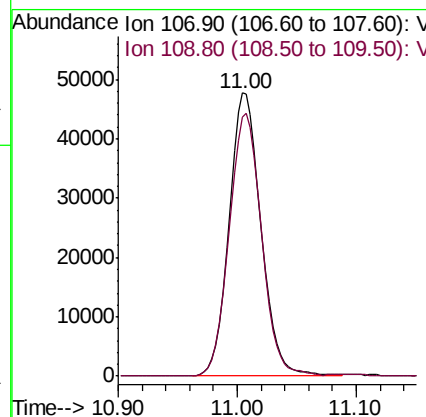
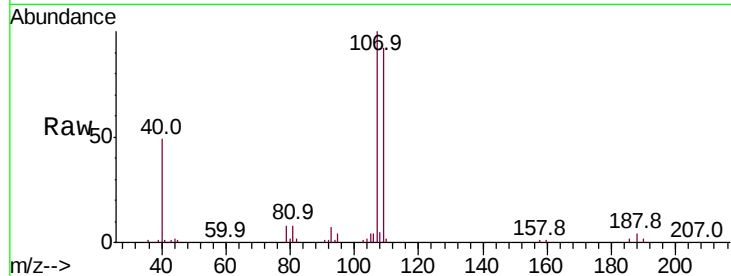
#61
 1,2-Dibromoethane
 Concen: 20.434 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

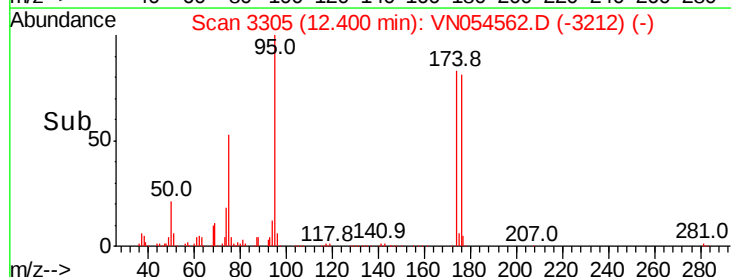
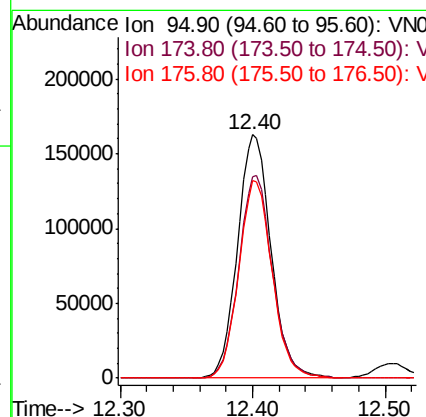
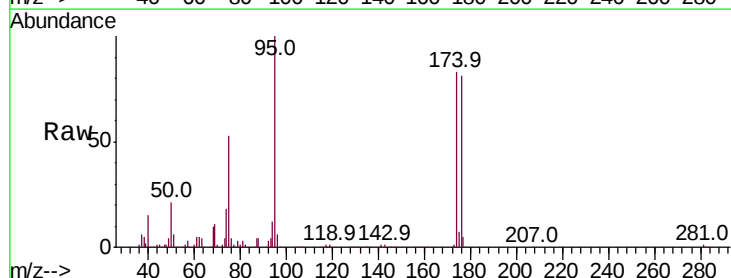
Manual Integrations
 APPROVED

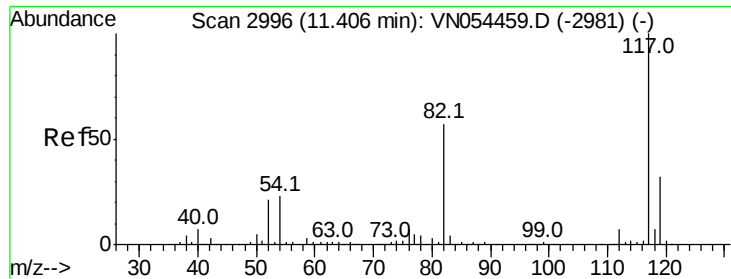
MMDadoda
 3/25/2019 3:11:26 PM



#62
 4-Bromofluorobenzene
 Concen: 46.675 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	191.0
176	81.1	0.0	187.4





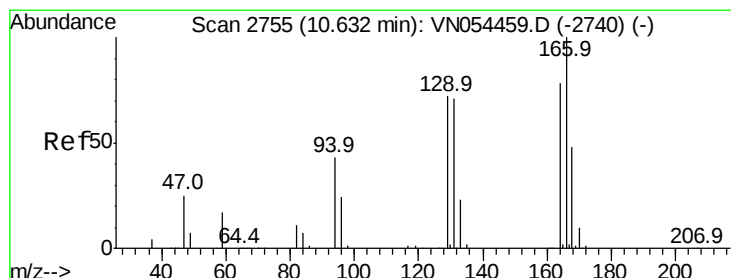
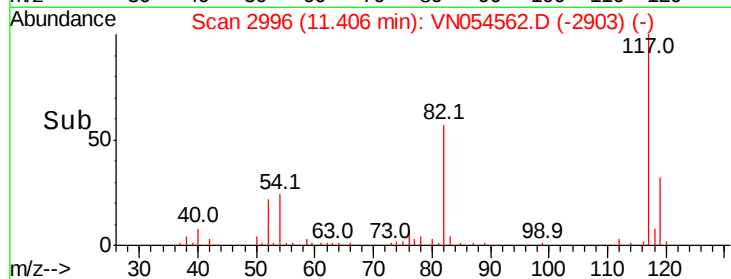
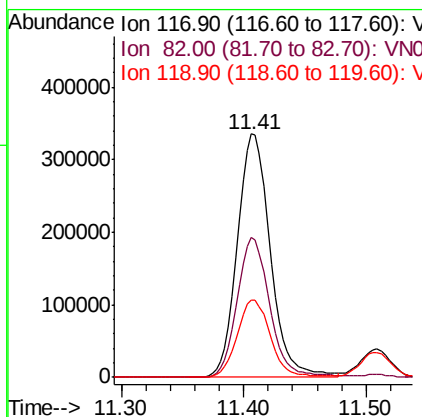
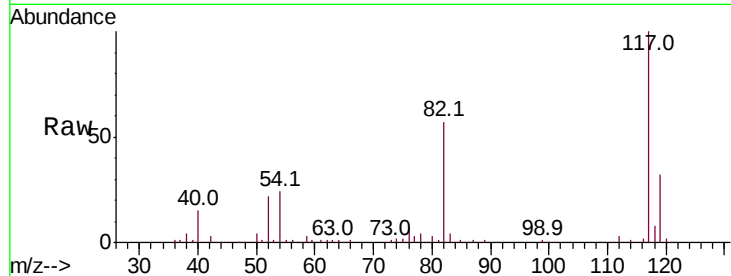
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	40.0	60.0
119	32.0	25.8	38.6

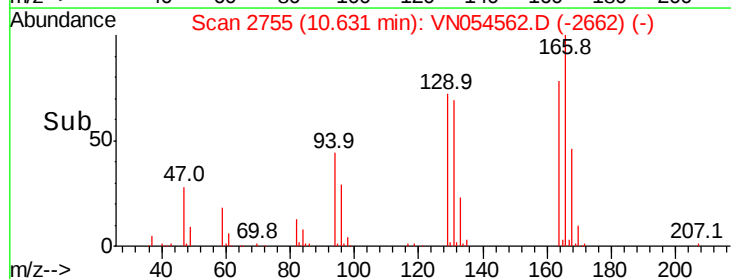
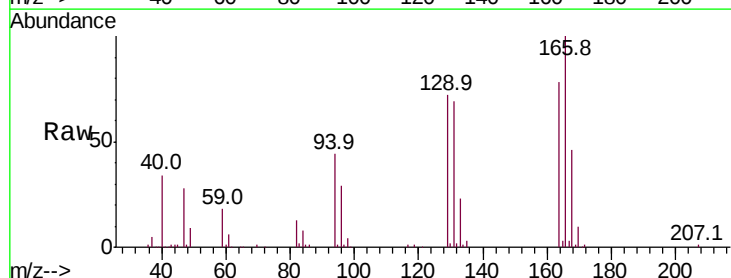
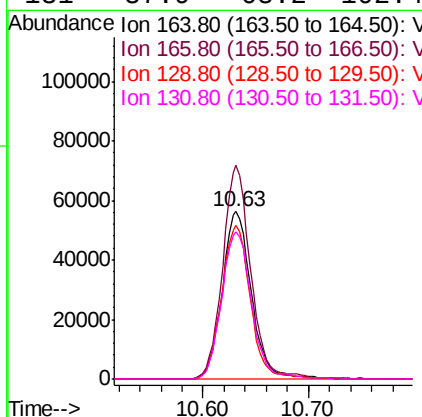
Manual Integrations
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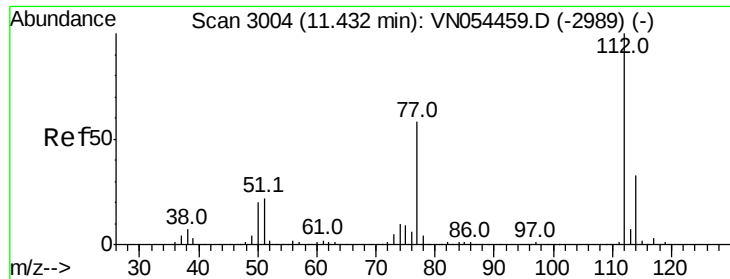
MMDadoda
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#64
Tetrachloroethene
Concen: 20.592 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.9	155.9
129	91.4	71.1	106.7
131	87.9	68.2	102.4





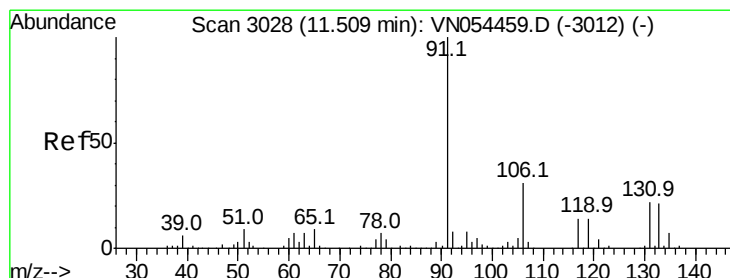
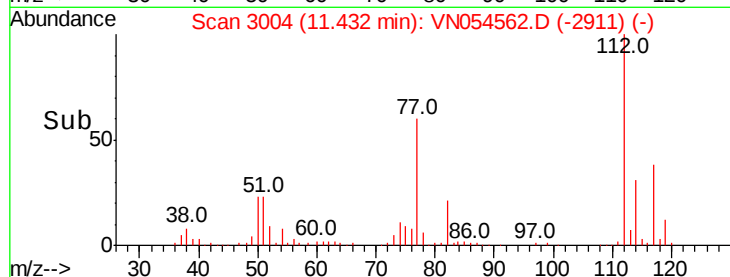
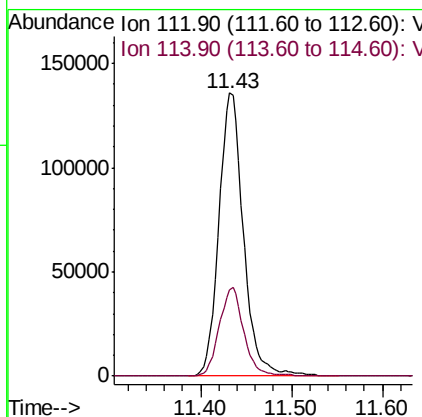
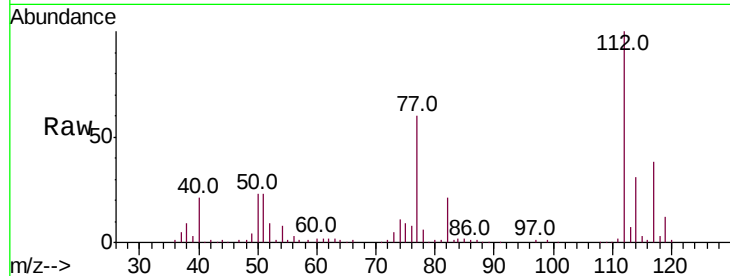
#65
Chlorobenzene
Concen: 19.910 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion:112 Resp: 254205
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9

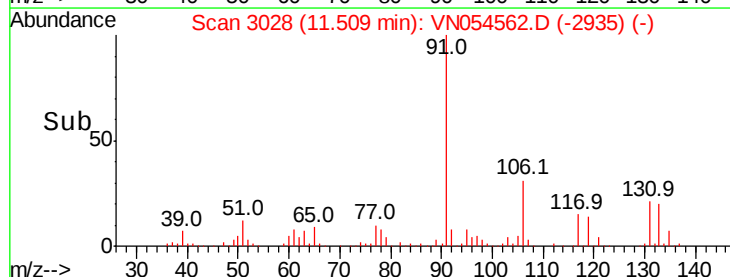
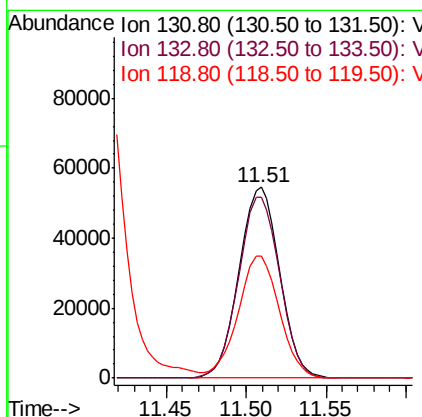
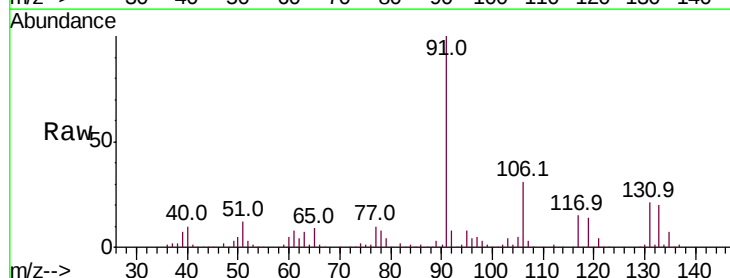
Manual Integrations
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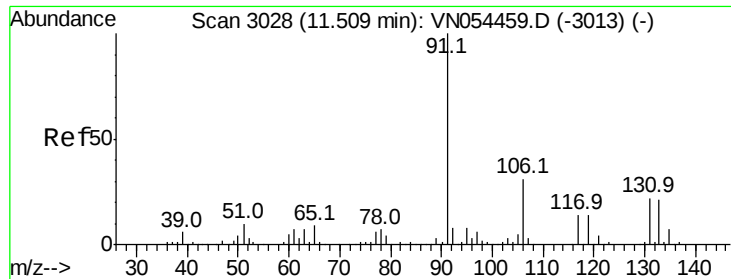
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.603 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion:131 Resp: 94414
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 65.6 32.4 97.0





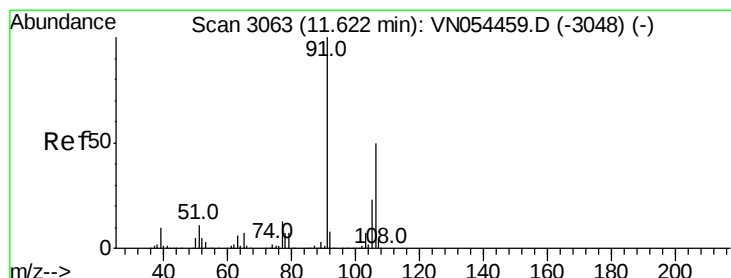
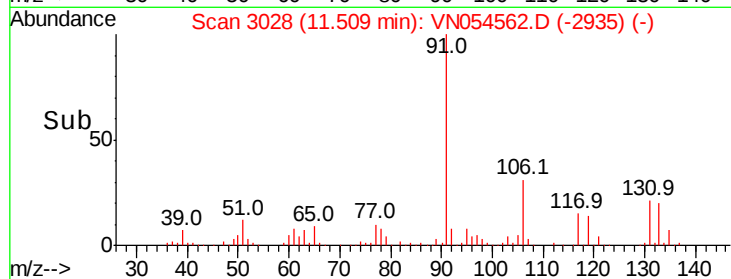
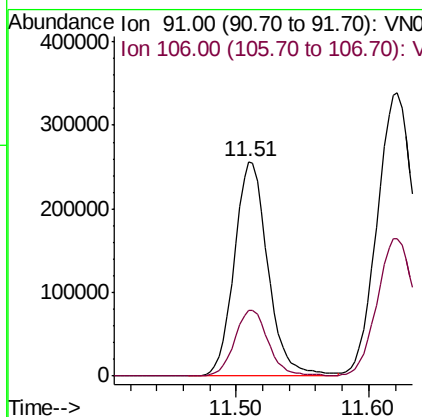
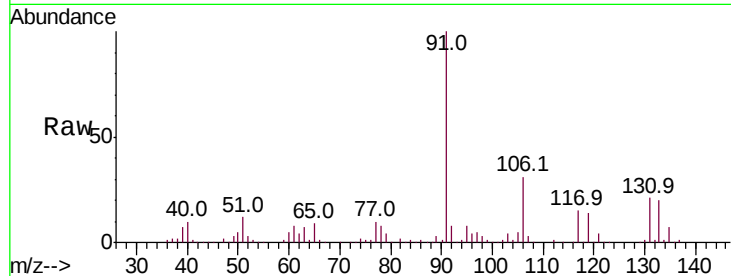
#67
Ethyl Benzene
Concen: 20.032 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion: 91 Resp: 451786
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

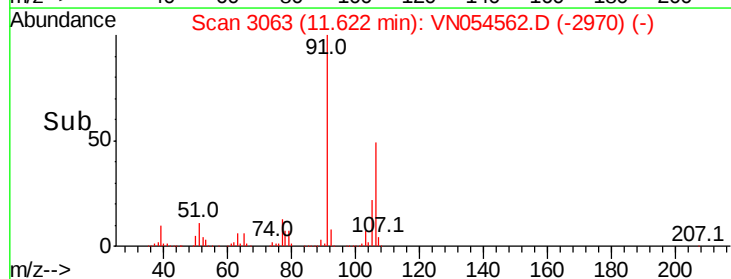
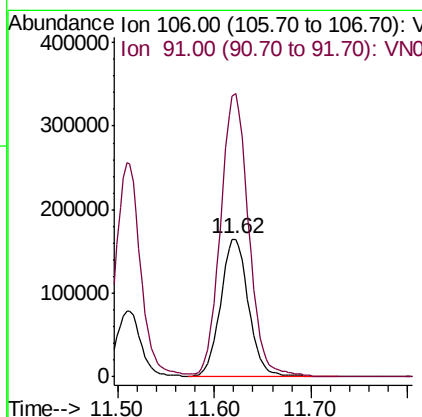
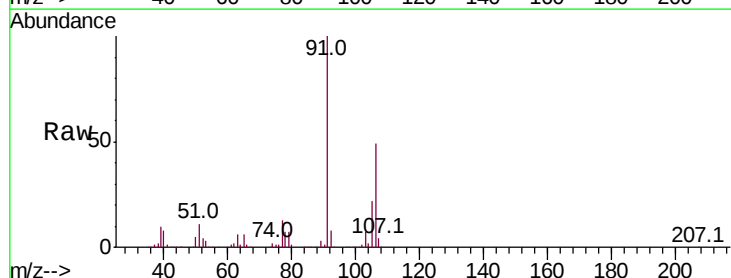
Manual Integrations
APPROVED

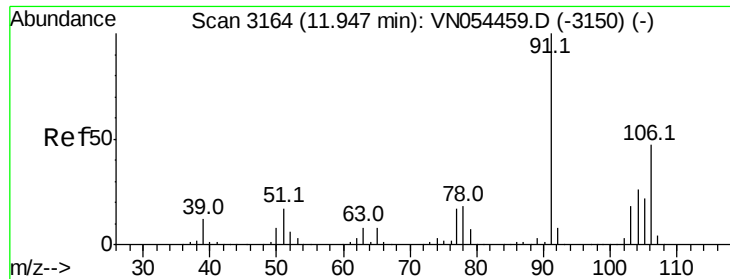
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#68
m/p-Xylenes
Concen: 38.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion: 106 Resp: 333121
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





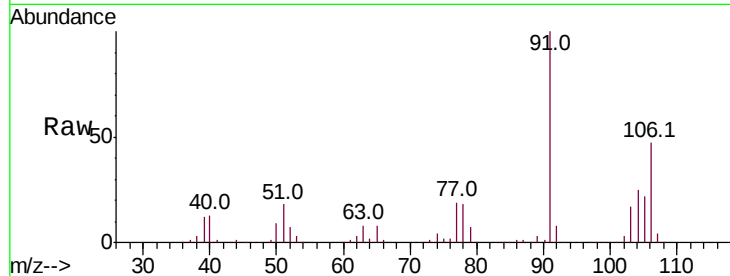
#69
o-Xylene
Concen: 19.850 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

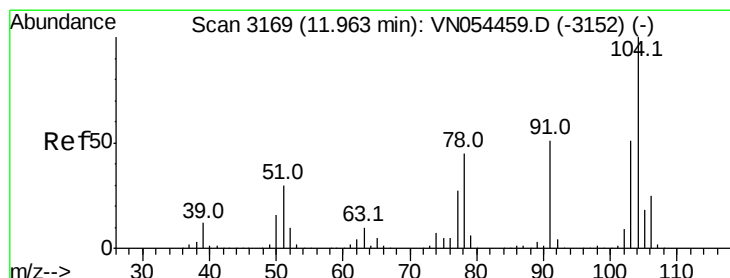
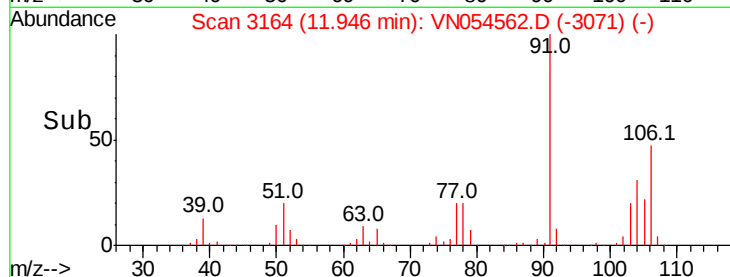
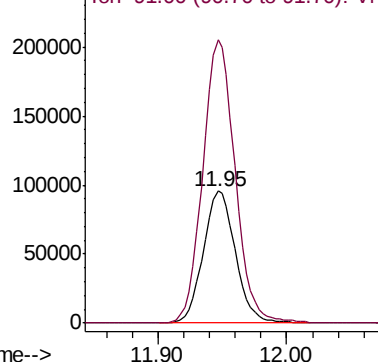
Tot Ion:106 Resp: 165600
Ion Ratio Lower Upper
106 100
91 216.0 105.7 317.1

Manual Integrations
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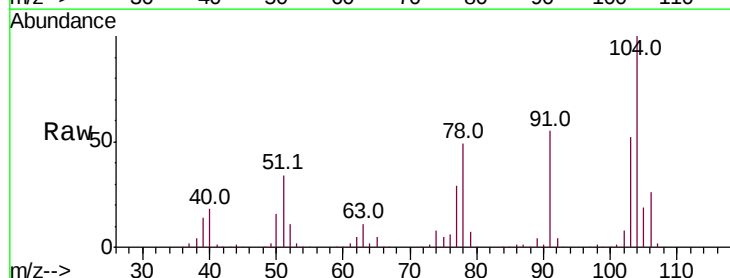


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

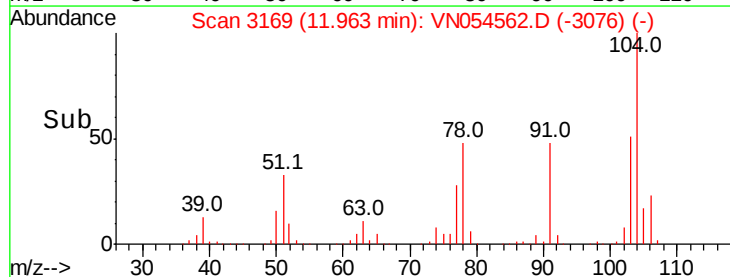
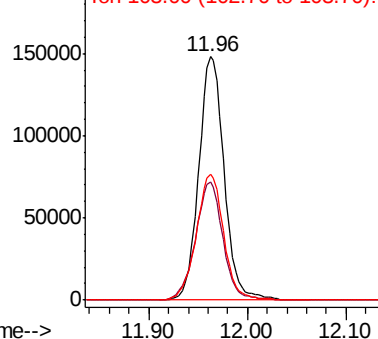


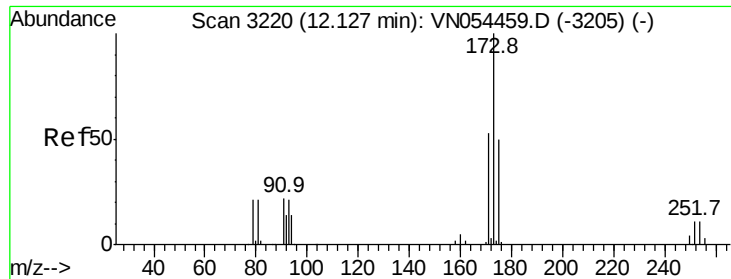
#70
Styrene
Concen: 19.723 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion:104 Resp: 267200
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





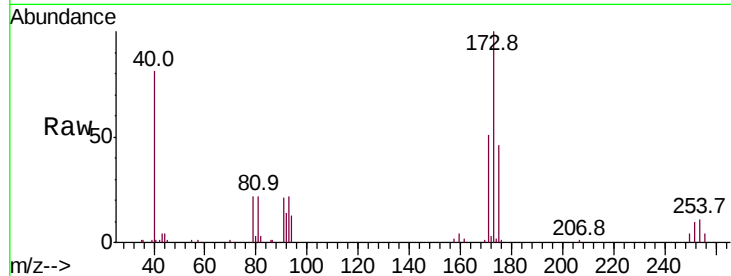
#71
Bromoform
Concen: 18.241 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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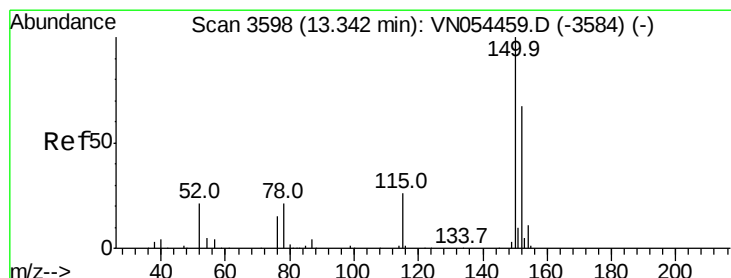
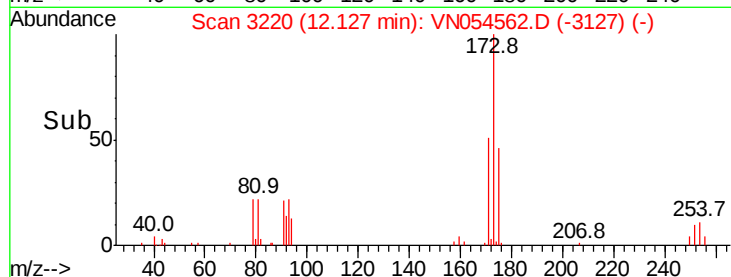
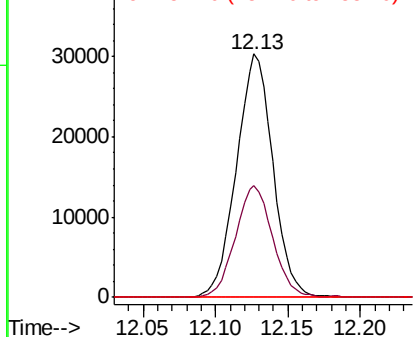


Abundance

Ion 172.70 (172.40 to 173.40): V

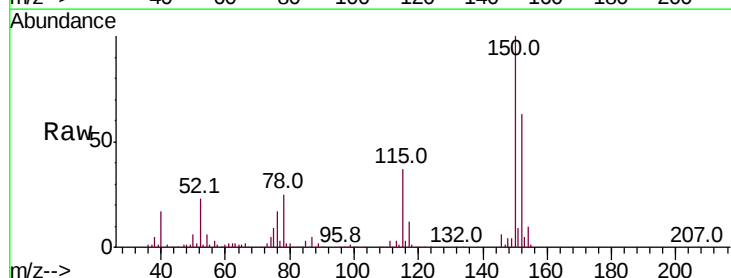
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	27.2	81.6
150	163.1	0.0	349.2

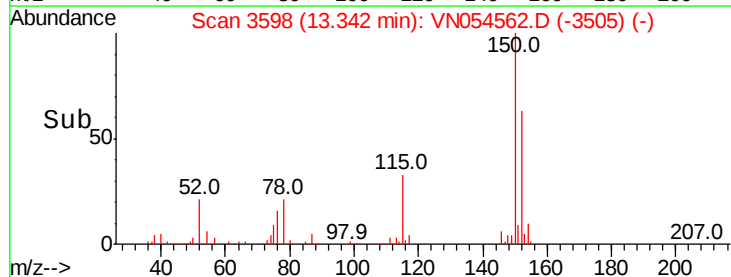
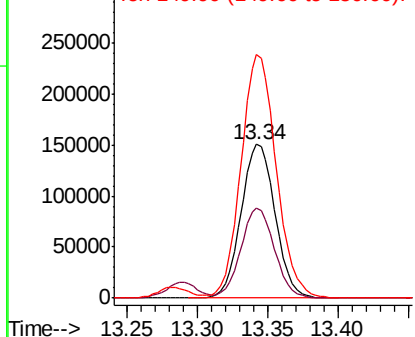


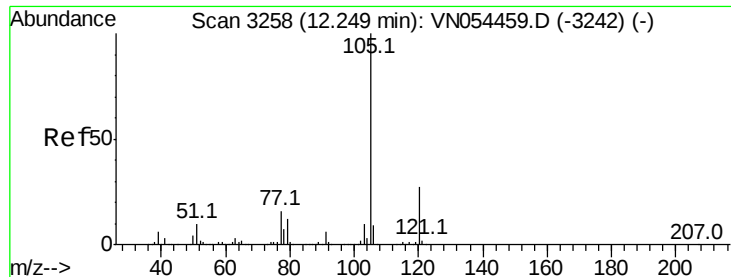
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 105 Resp: 430699

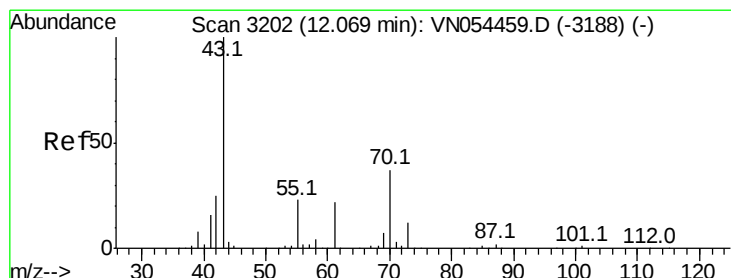
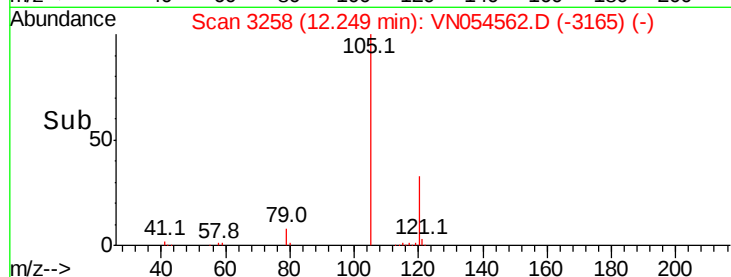
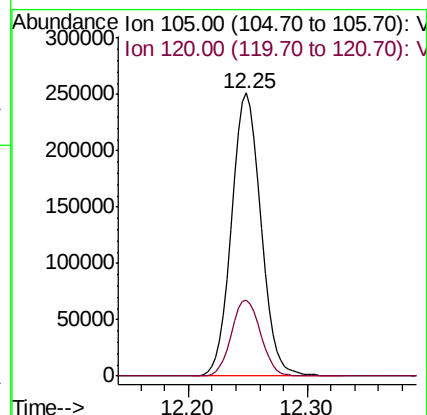
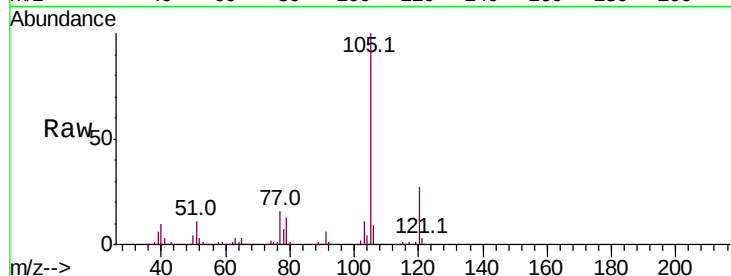
Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.197 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion: 43 Resp: 131450

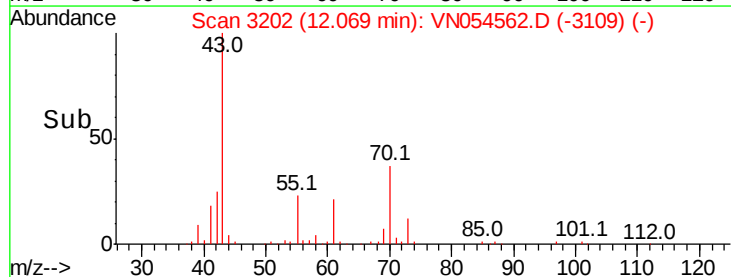
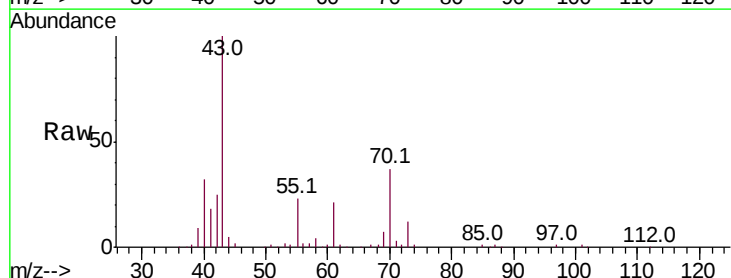
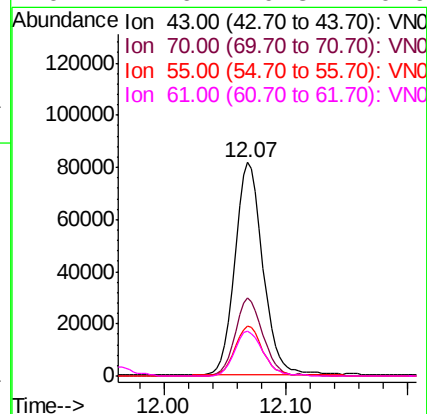
Ion Ratio Lower Upper

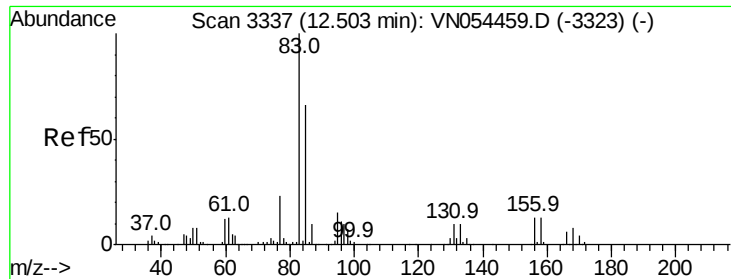
43 100

70 36.4 35.4 53.0

55 23.8 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.387 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

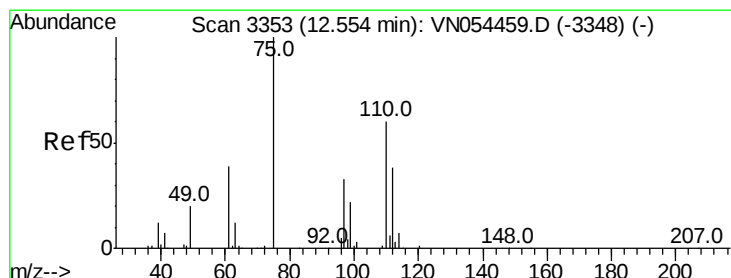
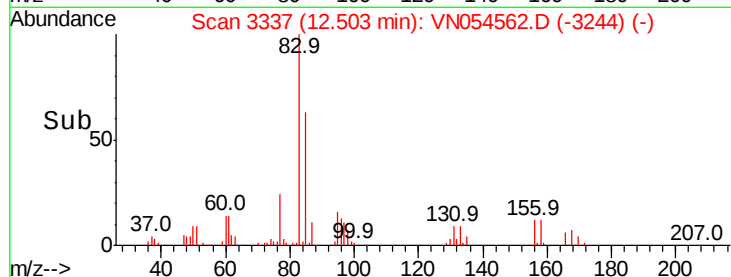
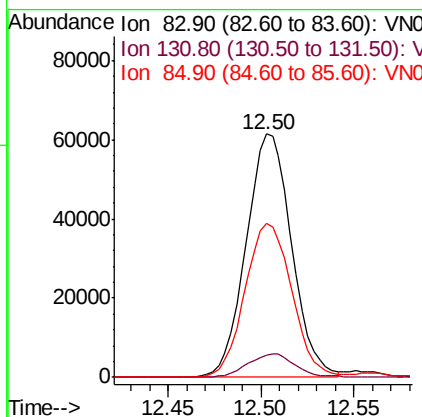
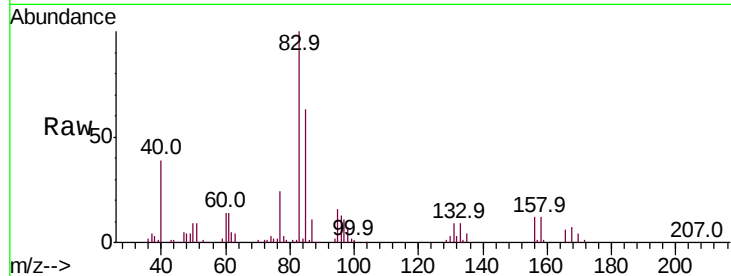
ClientSampleId :

VN0322WBSD01

Tot Ion:	83	Resp:	105255
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	65.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.895 ug/l m

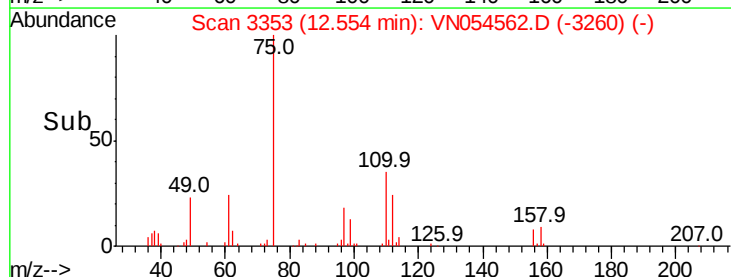
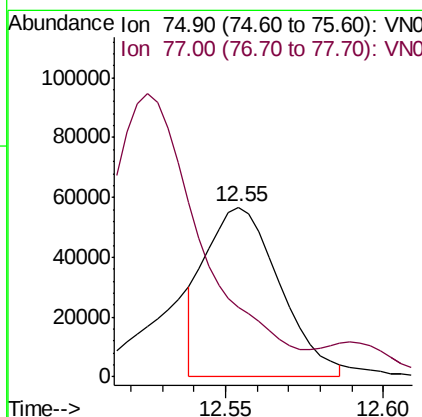
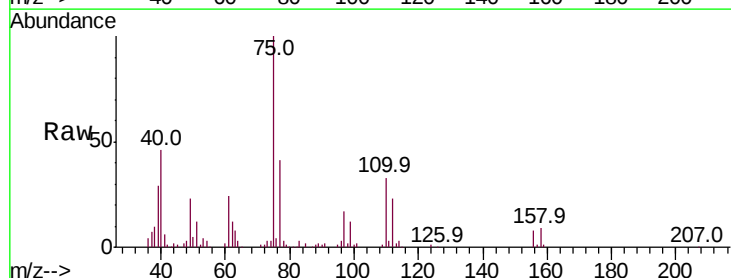
RT: 12.55 min Scan# 3353

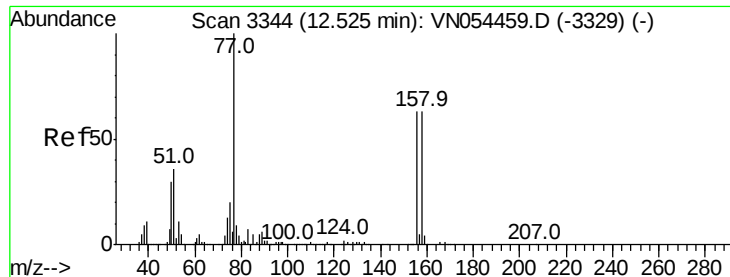
Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	75	Resp:	92857
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.451 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

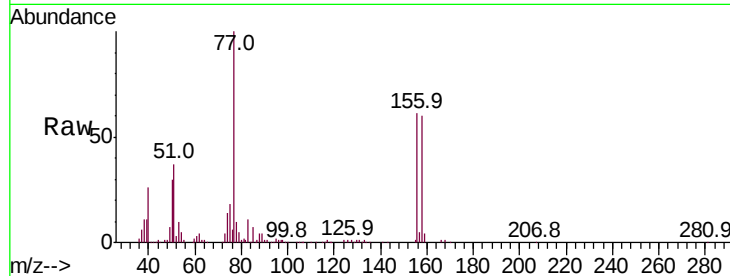
ClientSampleId :

VN0322WBSD01

Tot Ion:	156	Resp:	104467
Ion Ratio	Lower	Upper	
156	100		
77	192.7	81.5	244.4
158	97.7	49.0	147.2

Manual Integrations
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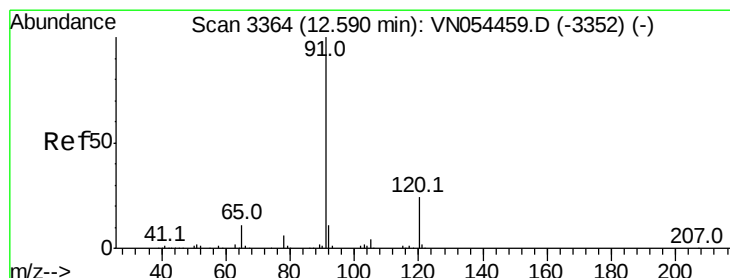
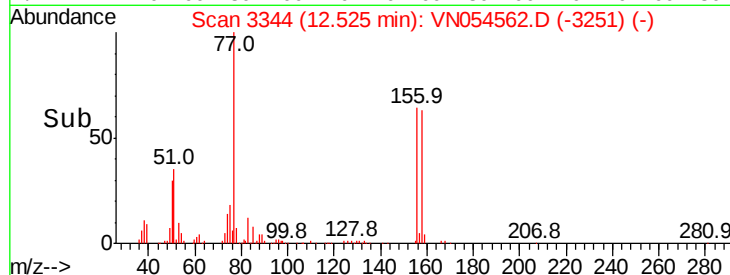
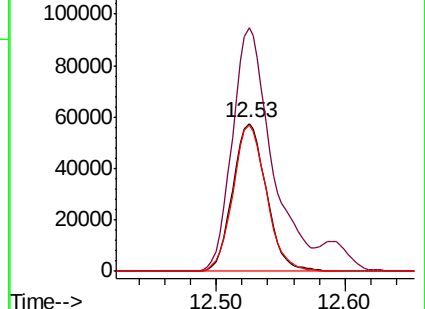
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.598 ug/l

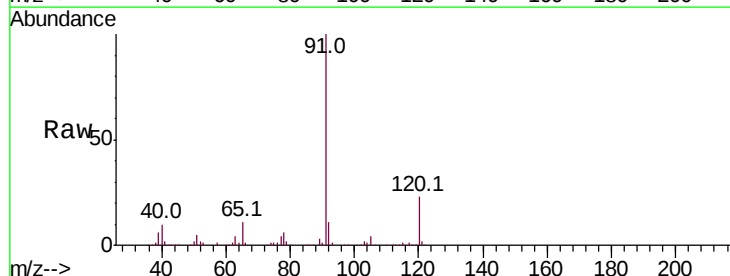
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054562.D

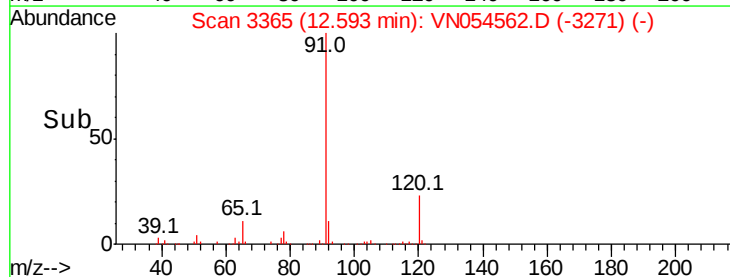
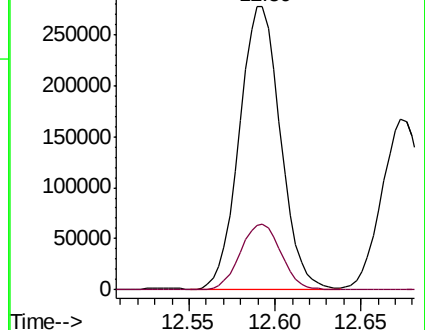
Acq: 22 Mar 2019 17:10

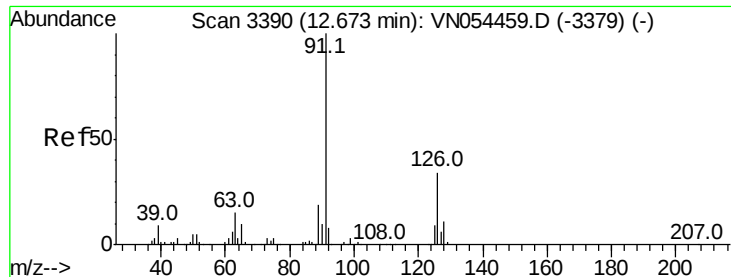
Tgt Ion:	91	Resp:	460019
Ion Ratio	Lower	Upper	
91	100		
120	23.3	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.535 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0322WBSD01

Tot Ion: 91 Resp: 285989

Ion Ratio Lower Upper

91 100

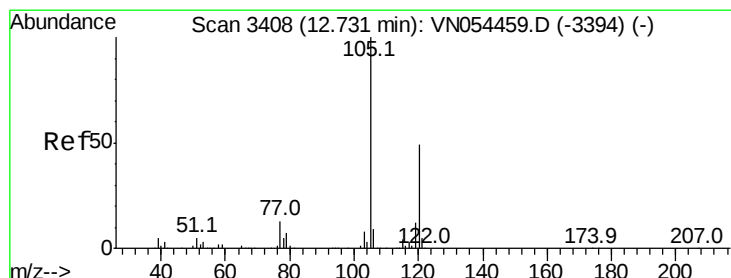
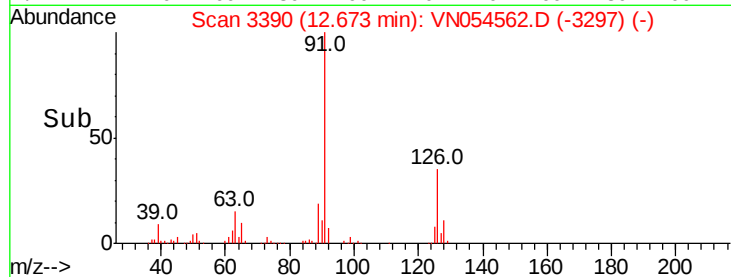
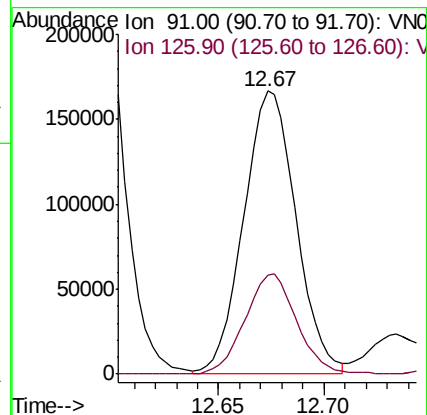
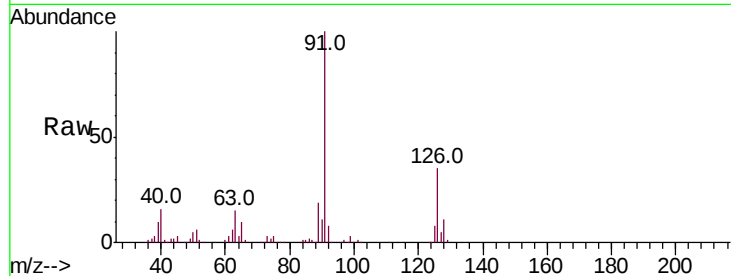
126 35.3 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.675 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054562.D

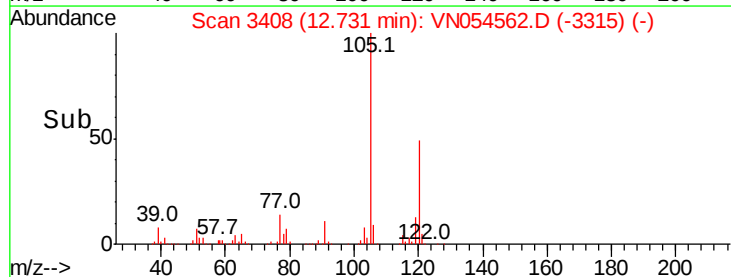
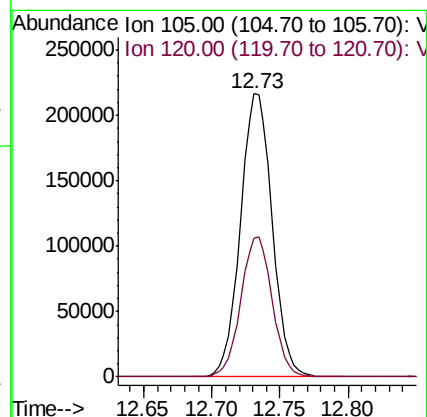
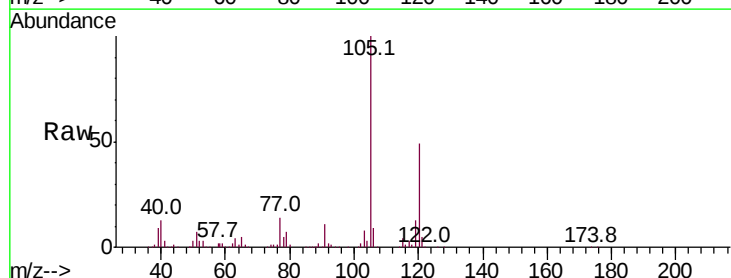
Acq: 22 Mar 2019 17:10

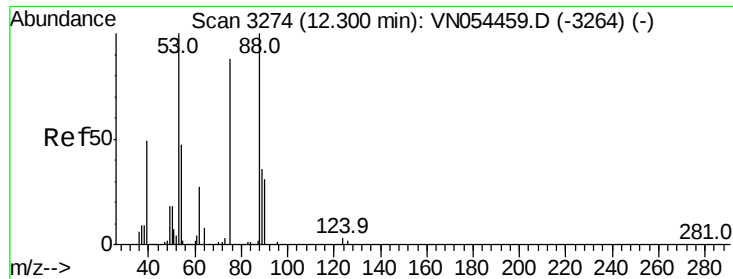
Tgt Ion: 105 Resp: 348999

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.450 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion: 75 Resp: 19192

Ion Ratio Lower Upper

75 100

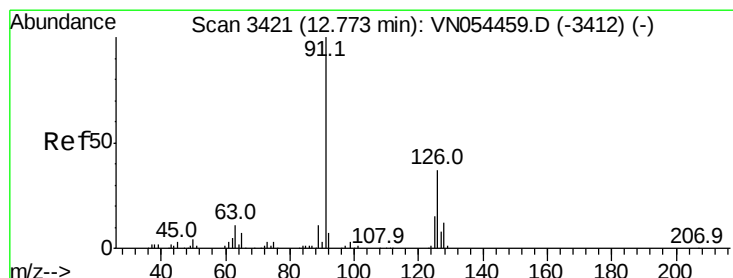
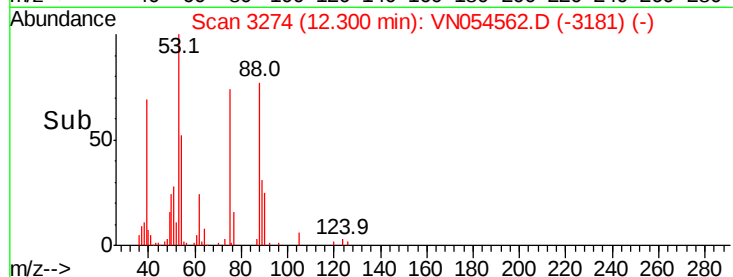
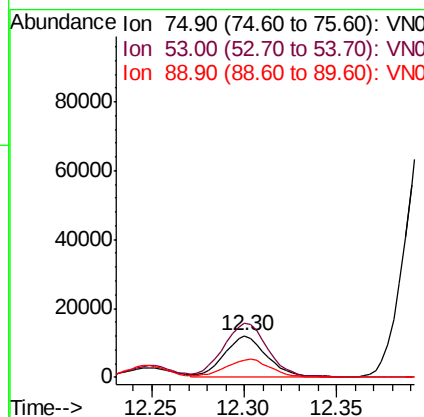
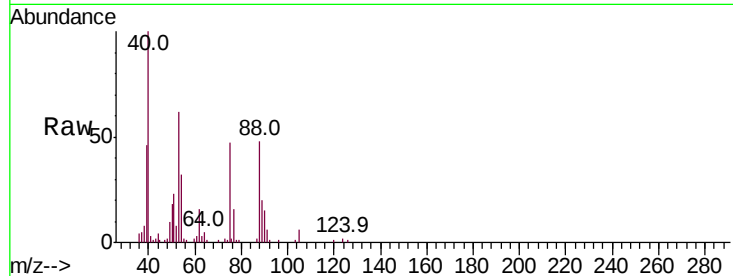
53 137.7 76.2 114.2#

89 46.3 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.613 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054562.D

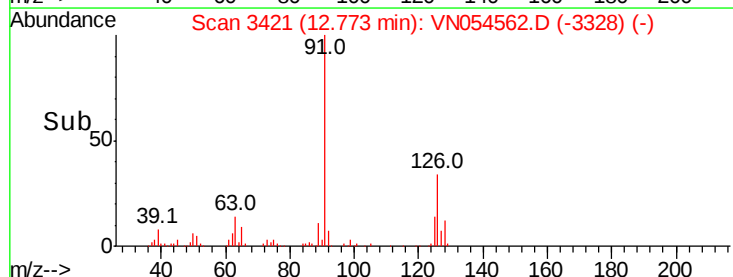
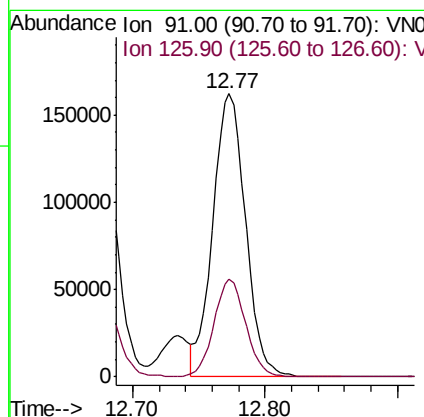
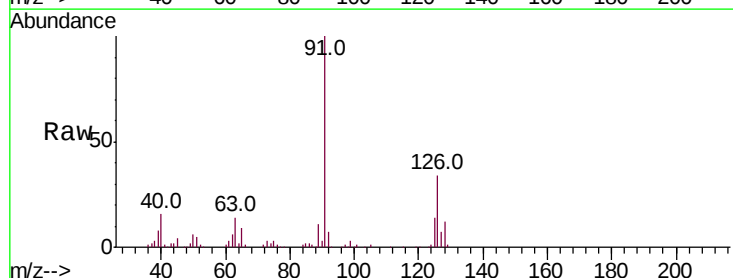
Acq: 22 Mar 2019 17:10

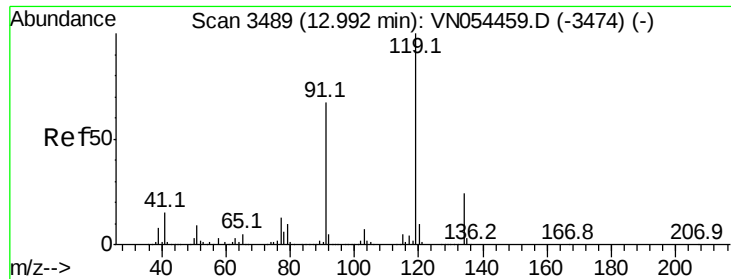
Tgt Ion: 91 Resp: 278273

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1





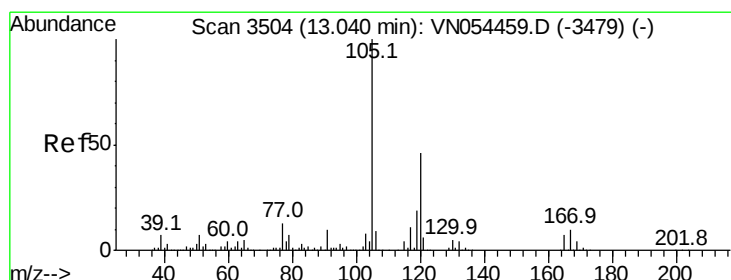
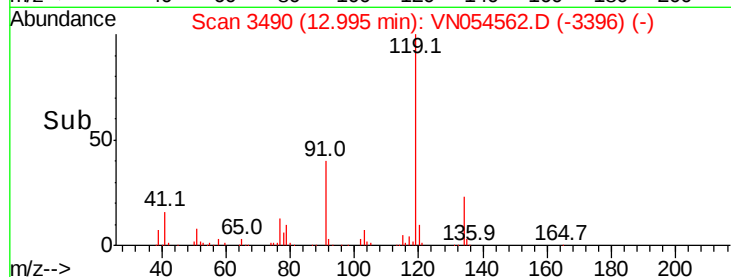
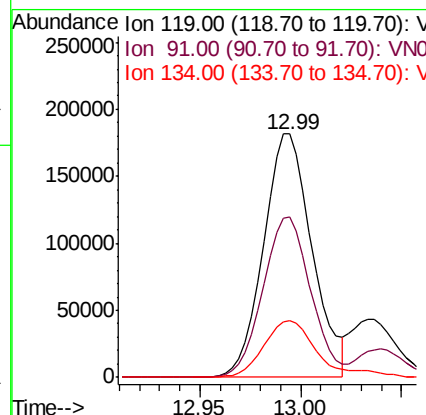
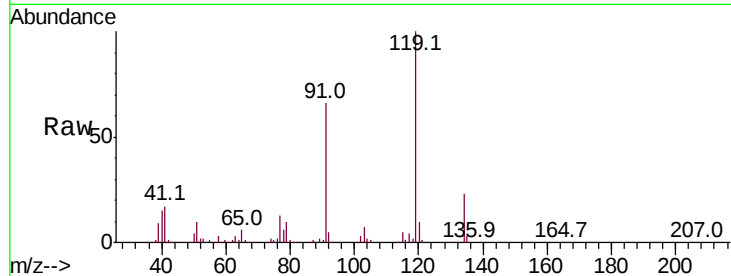
#83
tert-Butylbenzene
Concen: 20.704 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	30.9	92.8
134	26.0	13.2	39.6

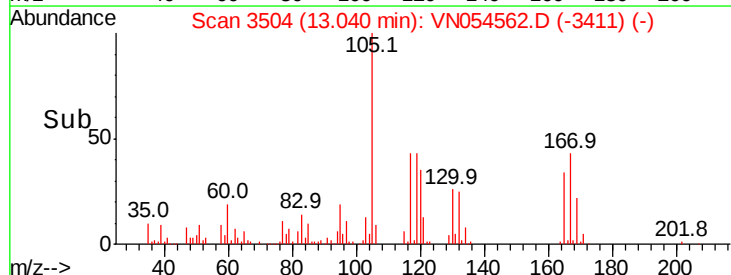
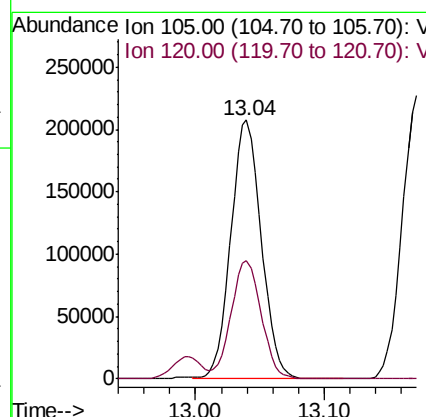
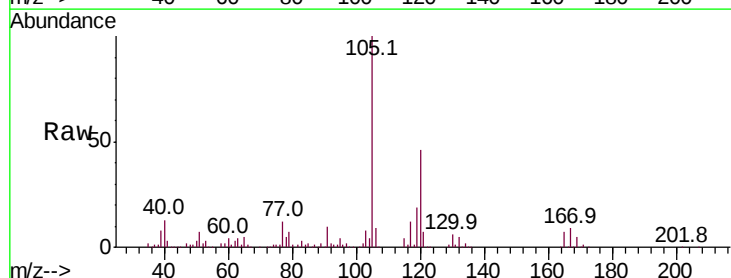
Manual Integrations
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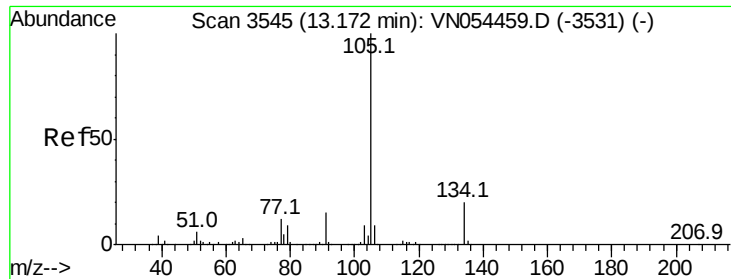
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.528 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.049 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0322WBSD01

Tot Ion:105 Resp: 367225

Ion Ratio Lower Upper

105 100

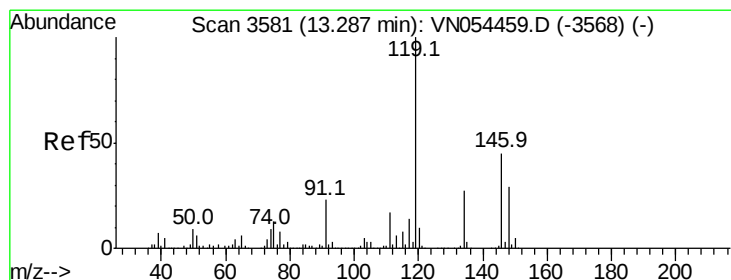
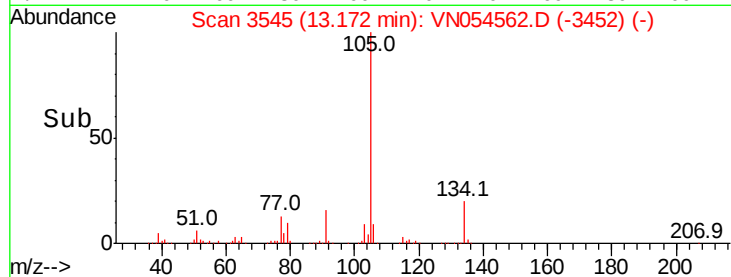
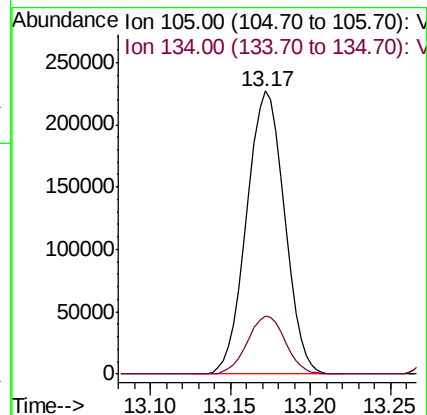
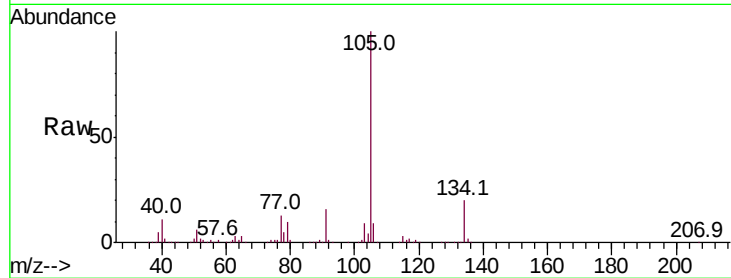
134 20.4 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.727 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

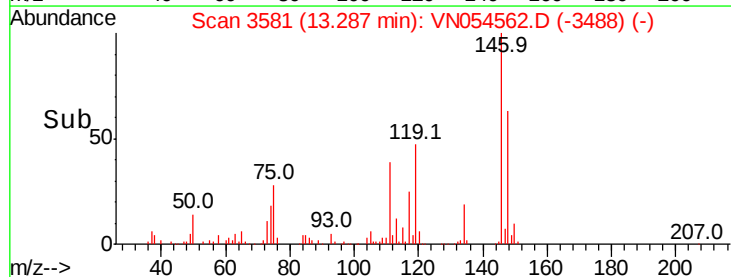
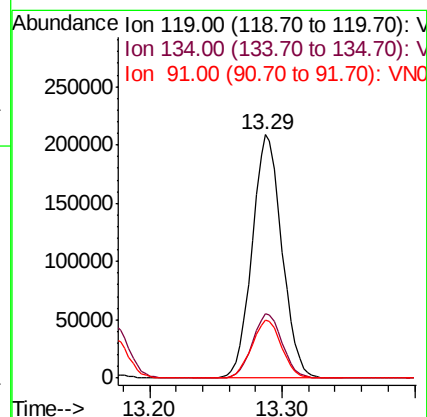
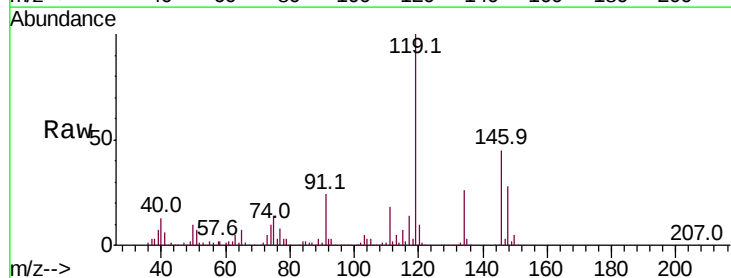
Tgt Ion:119 Resp: 323258

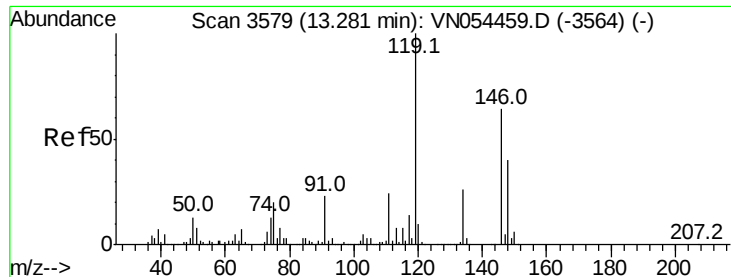
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.1 11.1 33.3





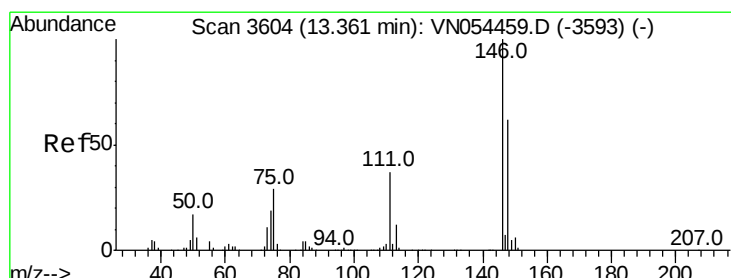
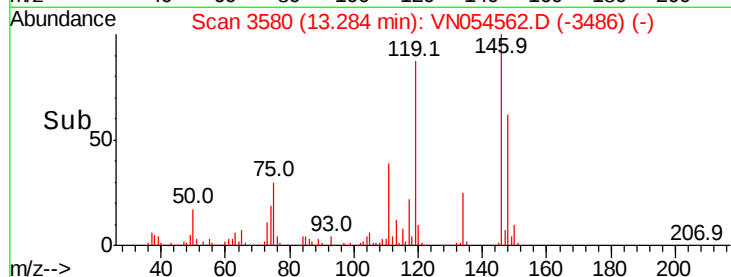
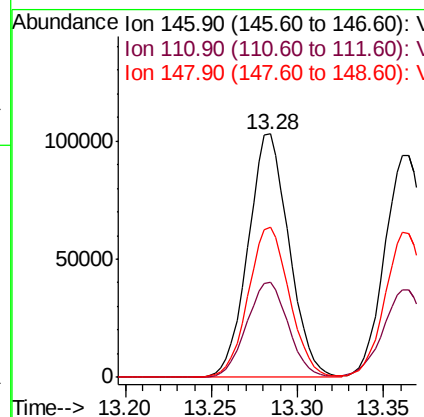
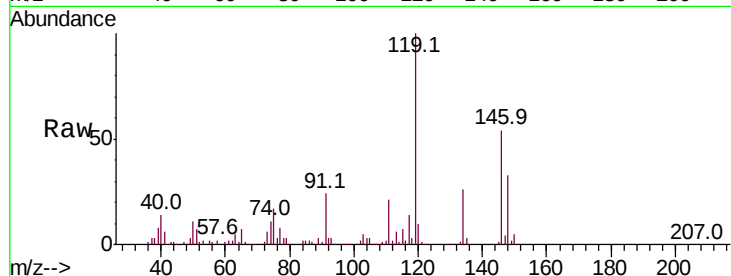
#87
 1,3-Dichlorobenzene
 Concen: 20.077 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	62.1	32.2	96.6

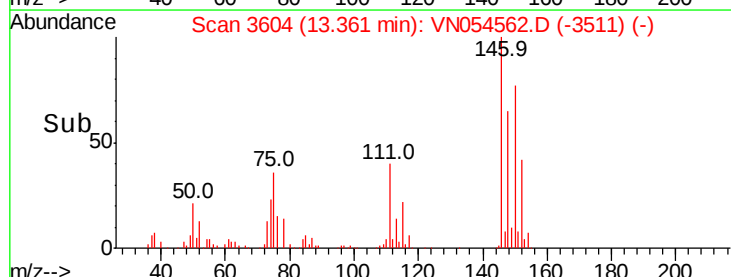
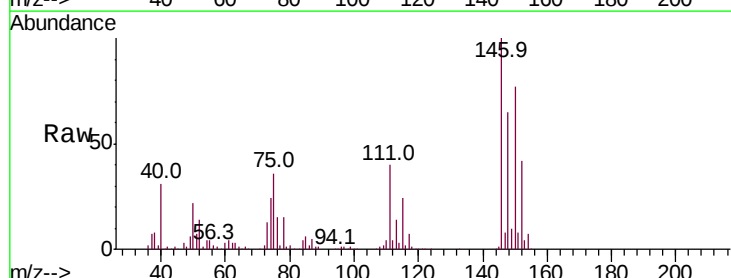
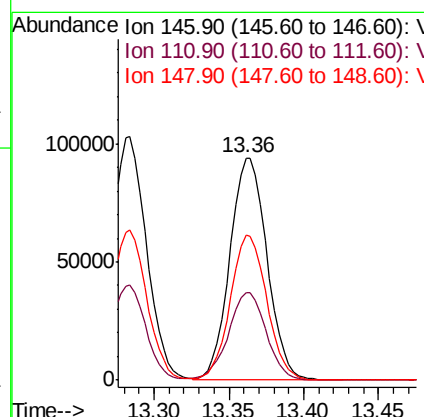
Manual Integrations
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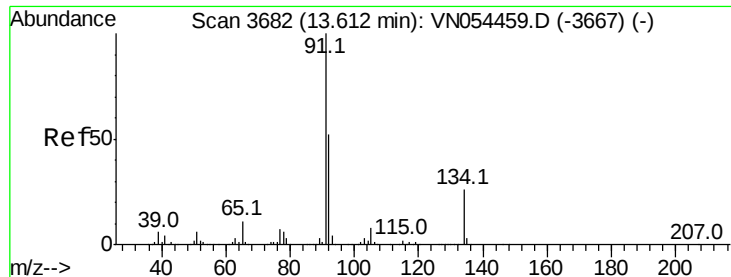
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#88
 1,4-Dichlorobenzene
 Concen: 19.739 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.1	54.1
148	64.3	32.0	96.0





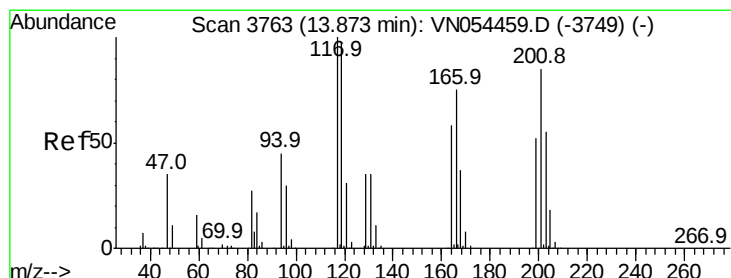
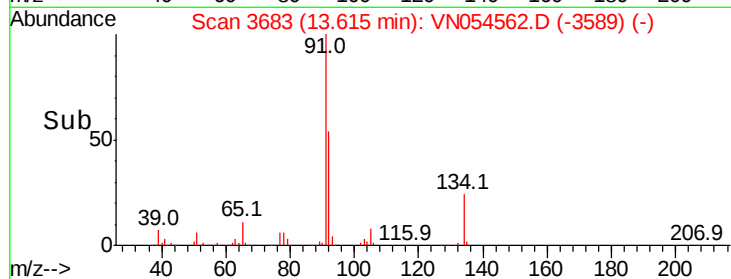
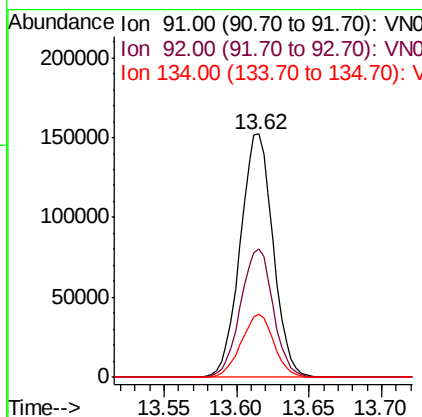
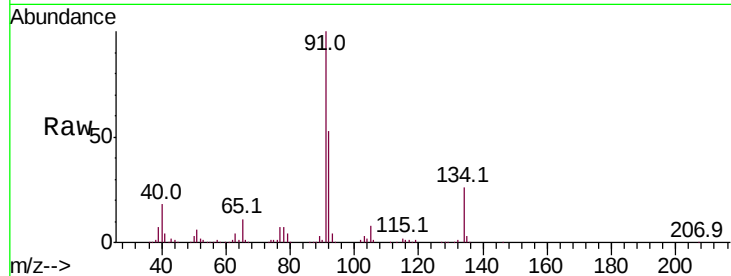
#89
n-Butylbenzene
Concen: 18.672 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.6
134	25.9	14.3	42.9

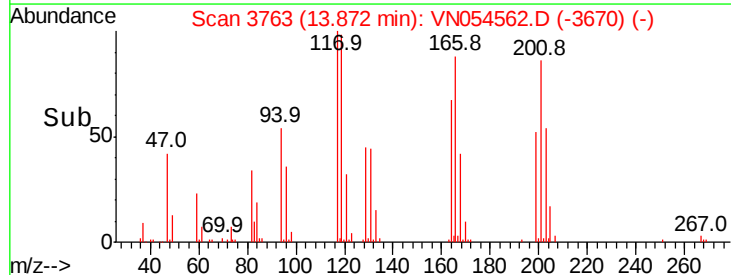
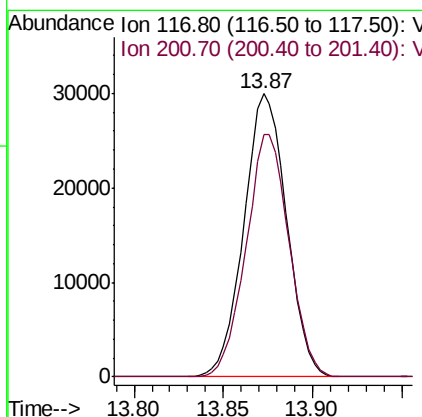
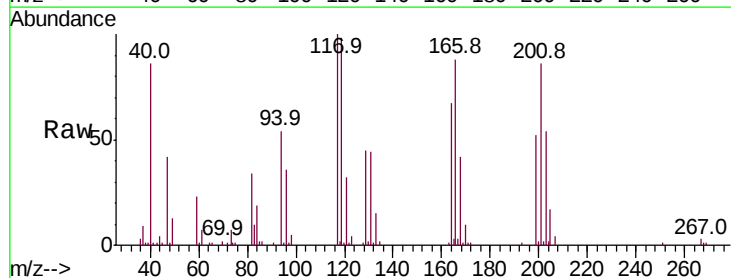
Manual Integrations
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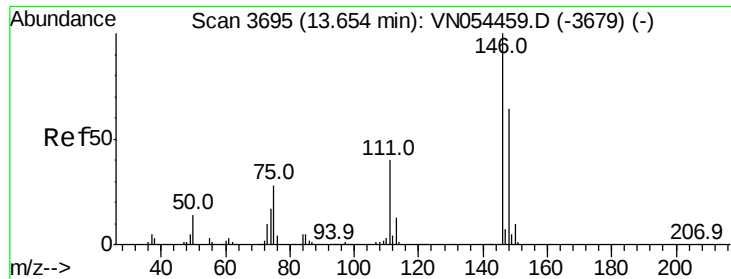
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#90
Hexachloroethane
Concen: 19.701 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054562.D
Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	48.1	144.4





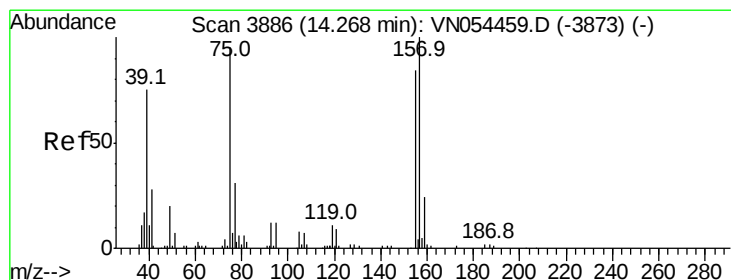
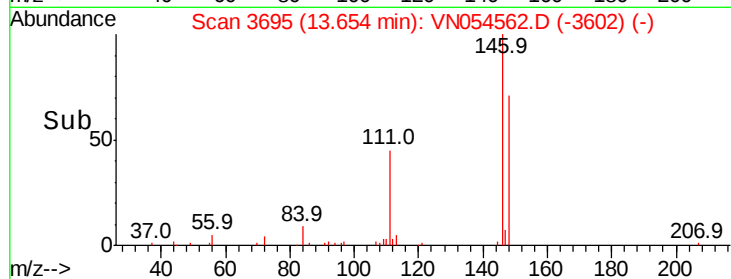
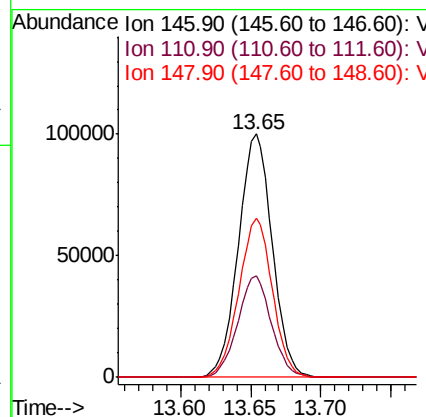
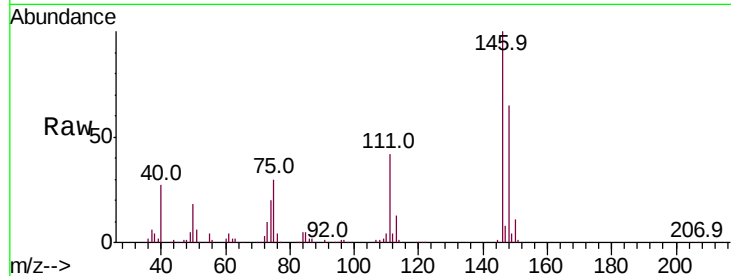
#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	64.7	32.4	97.0

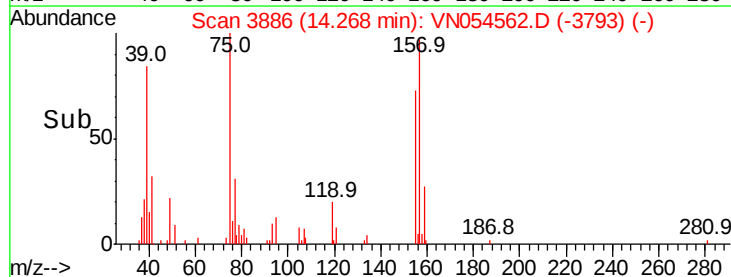
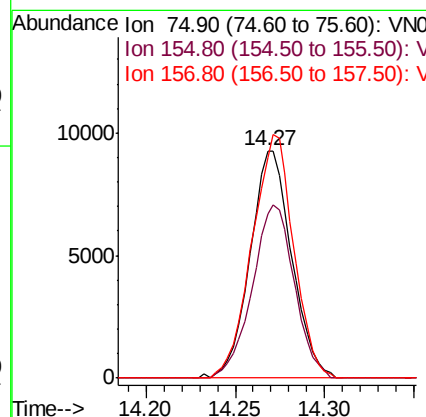
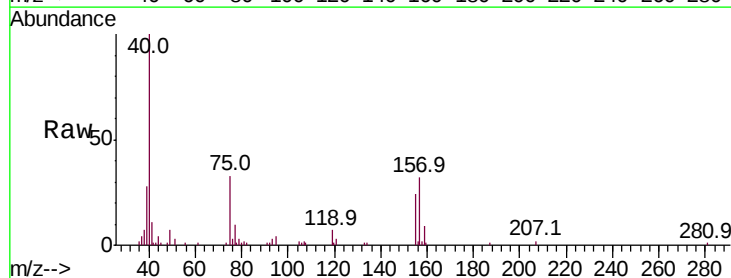
Manual Integrations
 APPROVED

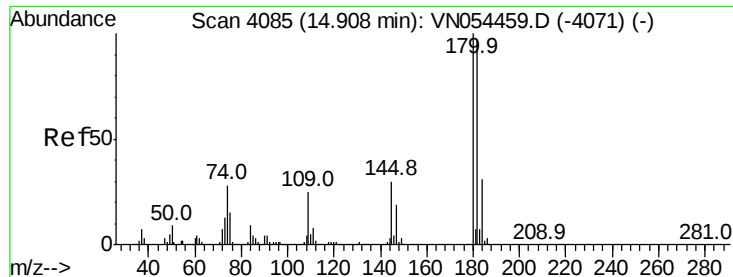
MMDadoda
 3/25/2019 3:11:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.939 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054562.D
 Acq: 22 Mar 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	50.1	150.3
157	106.9	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.745 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

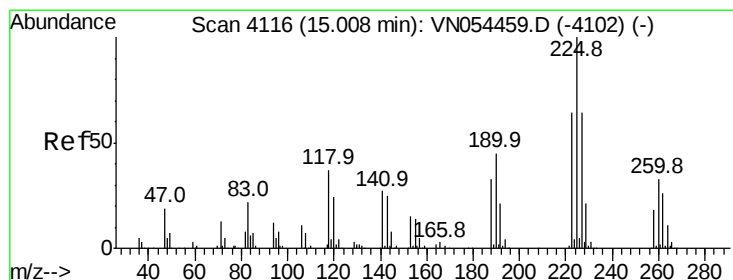
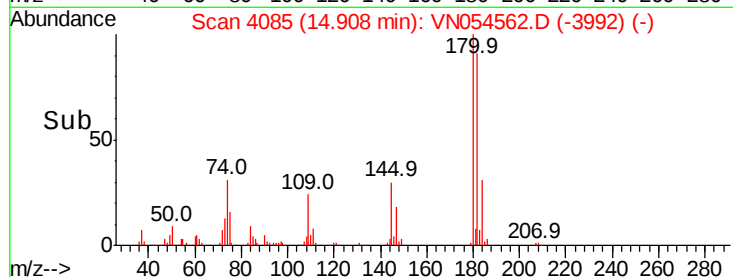
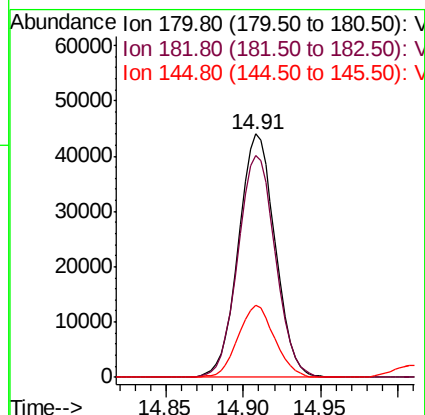
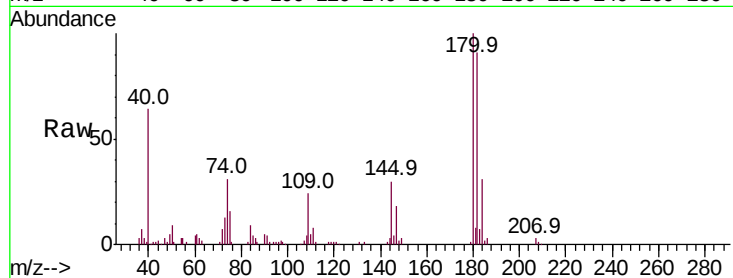
ClientSampleId :

VN0322WBSD01

Tot Ion:	180	Resp:	72527
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.0	144.2
145	29.4	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 18.446 ug/l

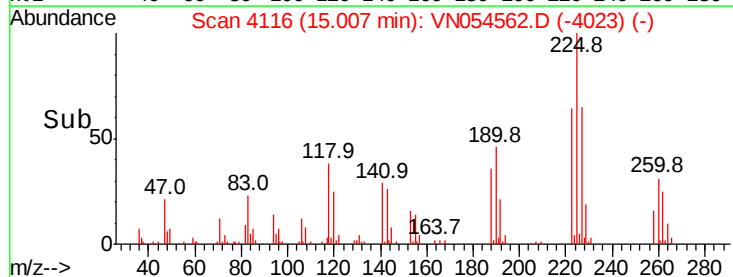
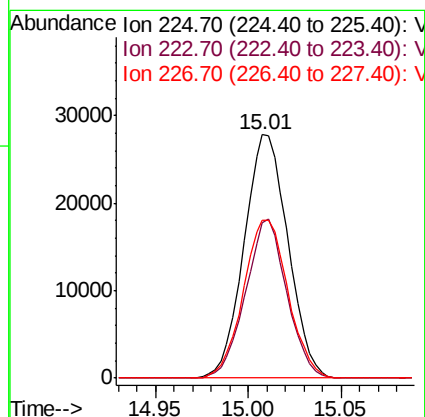
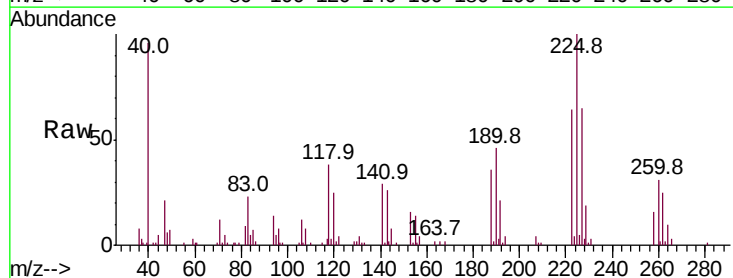
RT: 15.01 min Scan# 4116

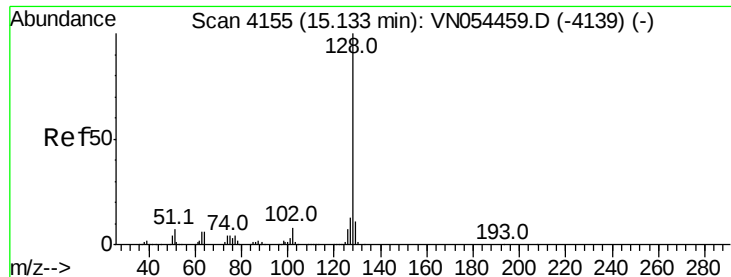
Delta R.T. 0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	225	Resp:	45952
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.1	93.5
227	65.9	31.9	95.9





#95

Naphthalene

Concen: 18.850 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Instrument :

MSVOA_N

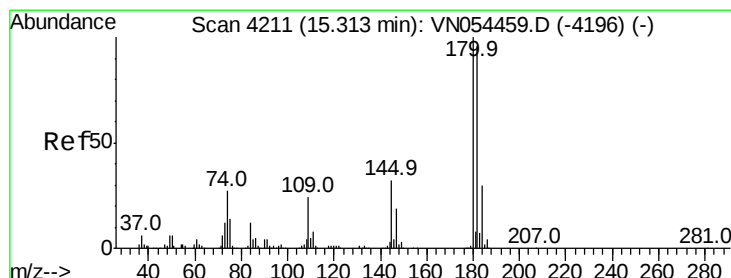
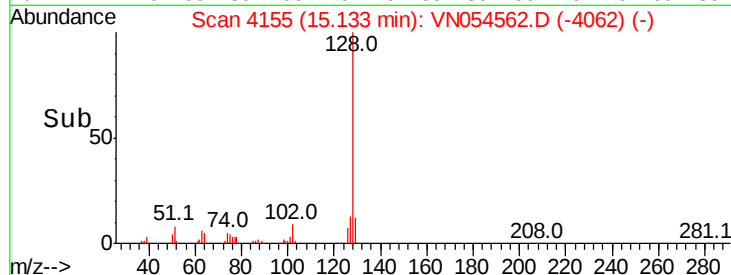
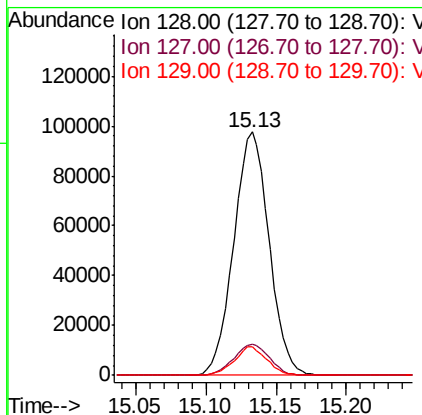
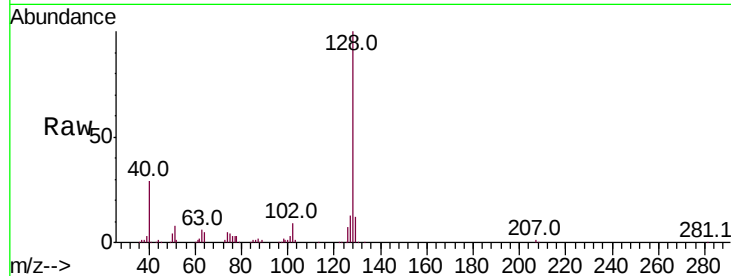
ClientSampleId :

VN0322WBSD01

Tot Ion:	128	Resp:	171848
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.464 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054562.D

Acq: 22 Mar 2019 17:10

Tgt Ion:	180	Resp:	75110
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.6
145	31.5	14.8	44.3

