

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054790.D
 Acq On : 30 Mar 2019 00:09
 Operator : JC/SP
 Sample : VN0329WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:58:58 PM

Quant Time: Mar 30 22:20:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	610800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	305883	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	237951	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.09	98	886240	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	292092	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84169	20.652	ug/l	96
3) Chloromethane	2.06	50	124560	22.103	ug/l	99
4) Vinyl Chloride	2.19	62	110105	21.757	ug/l	99
5) Bromomethane	2.58	94	61824	22.045	ug/l	95
6) Chloroethane	2.71	64	58612	20.742	ug/l	96
7) Trichlorofluoromethane	3.02	101	133262	21.419	ug/l	98
8) Diethyl Ether	3.41	74	45387	22.655	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68258	20.841	ug/l	92
10) Methyl Iodide	3.94	142	101105	22.550	ug/l #	88
11) Tert butyl alcohol	4.82	59	36510	129.013	ug/l	98
12) 1,1-Dichloroethene	3.73	96	68906	21.756	ug/l #	73
13) Acrolein	3.61	56	30435	120.300	ug/l	98
14) Allyl chloride	4.32	41	163129	20.910	ug/l #	91
15) Acrylonitrile	5.00	53	191690	121.865	ug/l	100
16) Acetone	3.82	43	131759	101.726	ug/l #	79
17) Carbon Disulfide	4.04	76	200415	19.509	ug/l	100
18) Methyl Acetate	4.33	43	86456	25.170	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	256265	23.131	ug/l	94
20) Methylene Chloride	4.55	84	102358	22.404	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	91055	21.887	ug/l #	83
22) Diisopropyl ether	5.96	45	351413	22.775	ug/l #	94
23) Vinyl Acetate	5.90	43	1256564	117.024	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	185901	22.586	ug/l	99
25) 2-Butanone	6.85	43	229260	119.743	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	100998	17.507	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	105826	22.518	ug/l	89
28) Bromochloromethane	7.20	49	97884	23.783	ug/l #	69
29) Tetrahydrofuran	7.22	42	161248	121.258	ug/l #	83
30) Chloroform	7.37	83	178755	22.776	ug/l	99
31) Cyclohexane	7.65	56	174885	22.172	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	145489	22.369	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129668	19.543	ug/l	96
37) Ethyl Acetate	6.94	43	106281	21.844	ug/l #	95
38) Carbon Tetrachloride	7.77	117	127458	19.779	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	138542	18.993	ug/l #	87
40) Benzene	8.04	78	398796	21.006	ug/l	97
41) Methacrylonitrile	7.18	41	59389	21.729	ug/l	91
42) 1,2-Dichloroethane	8.13	62	146224	21.571	ug/l	96
43) Isopropyl Acetate	8.17	43	185193	23.425	ug/l #	92
44) Trichloroethene	8.83	130	100447	20.382	ug/l	94
45) 1,2-Dichloropropane	9.12	63	114454	21.143	ug/l	97
46) Dibromomethane	9.21	93	65136	21.389	ug/l	88
47) Bromodichloromethane	9.40	83	134164	21.199	ug/l	93
48) Methyl methacrylate	9.20	41	91511	21.354	ug/l #	86
49) 1,4-Dioxane	9.20	88	19655	462.232	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	506843	114.030	ug/l	93
52) Toluene	10.16	92	243618	21.565	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115833	19.457	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	145058	20.397	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	89081	21.207	ug/l	95
56) Ethyl methacrylate	10.43	69	118206	21.452	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	155768	21.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224638	101.075	ug/l #	87
59) 2-Hexanone	10.75	43	315171	110.765	ug/l	89
60) Dibromochloromethane	10.90	129	88364	20.767	ug/l	100
61) 1,2-Dibromoethane	11.01	107	85843	21.385	ug/l	99
64) Tetrachloroethene	10.63	164	97125	20.722	ug/l	96
65) Chlorobenzene	11.44	112	248908	20.814	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	90050	20.118	ug/l	95
67) Ethyl Benzene	11.51	91	439934	20.386	ug/l	100
68) m/p-Xylenes	11.62	106	325996	40.821	ug/l	93
69) o-Xylene	11.95	106	160400	20.482	ug/l	96
70) Styrene	11.96	104	265488	21.203	ug/l	97
71) Bromoform	12.13	173	52446	20.000	ug/l #	99
73) Isopropylbenzene	12.25	105	429510	20.211	ug/l	97
74) N-amyl acetate	12.07	43	142062	21.457	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	110104	22.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	99093m	21.939	ug/l	
77) Bromobenzene	12.53	156	105863	20.640	ug/l	87
78) n-propylbenzene	12.59	91	468358	20.052	ug/l	96
79) 2-Chlorotoluene	12.67	91	290356	20.093	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	345193	19.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20079	17.291	ug/l #	74
82) 4-Chlorotoluene	12.77	91	280059	19.953	ug/l	96
83) tert-Butylbenzene	12.99	119	301769	21.130	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	342373	20.609	ug/l	97
85) sec-Butylbenzene	13.17	105	376395	19.870	ug/l	97
86) p-Isopropyltoluene	13.29	119	328491	19.662	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	171287	19.947	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	160387	19.043	ug/l	96
89) n-Butylbenzene	13.61	91	253094	18.567	ug/l	97
90) Hexachloroethane	13.87	117	52621	18.551	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	172690	19.927	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15659	21.554	ug/l	81

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ClientSampleId :
VN0329WBSD01

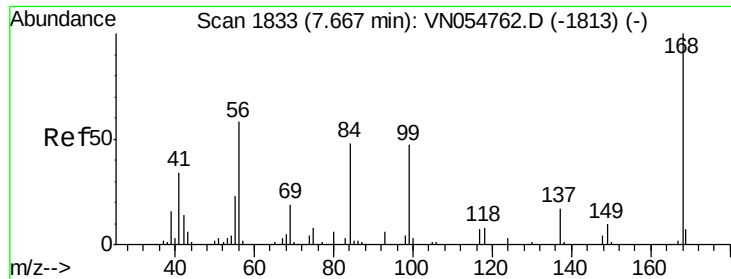
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76855	18.395	ug/l	96
94) Hexachlorobutadiene	15.01	225	49721	18.781	ug/l	98
95) Naphthalene	15.13	128	178454	19.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80917	19.177	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampled :

VN0329WBSD01

Tot Ion:168 Resp: 402927

Ion Ratio Lower Upper

168 100

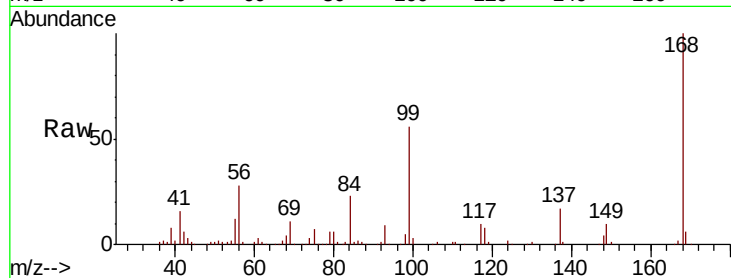
99 54.4 37.1 55.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

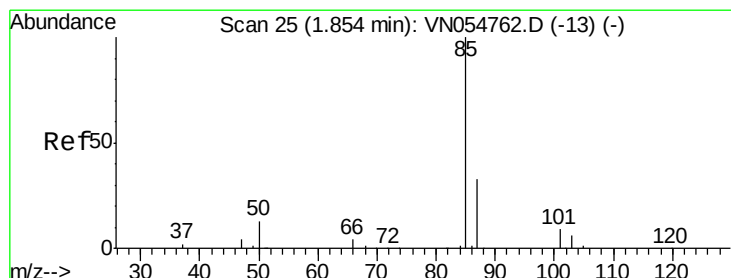
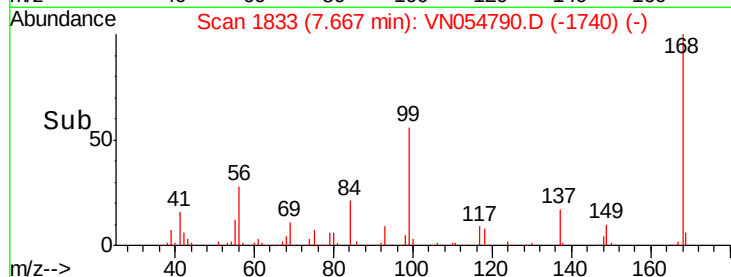
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.652 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054790.D

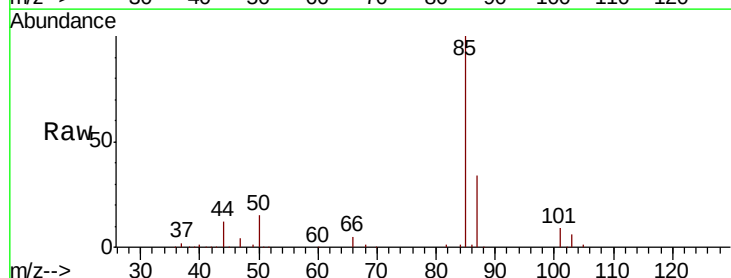
Acq: 30 Mar 2019 00:09

Tgt Ion: 85 Resp: 84169

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

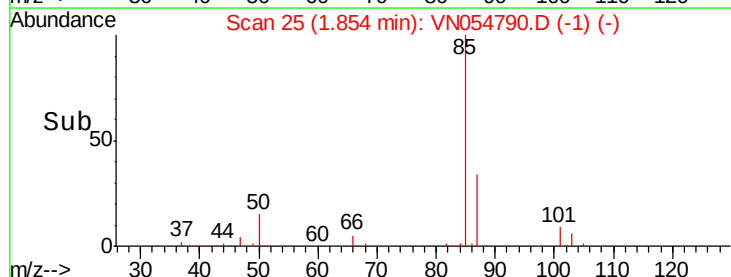
40000

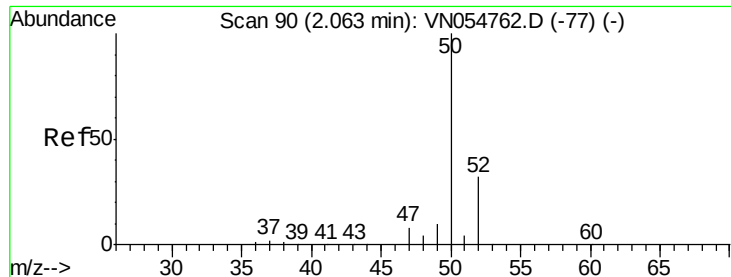
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.103 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 50 Resp: 124560

Ion Ratio Lower Upper

50 100

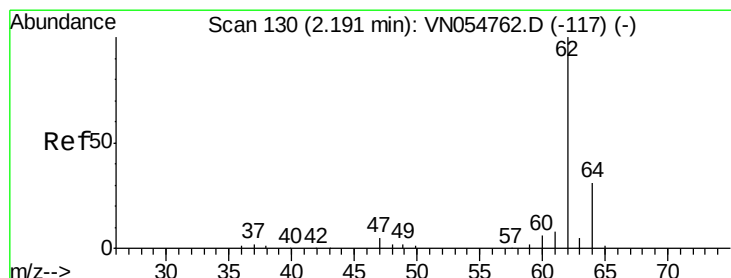
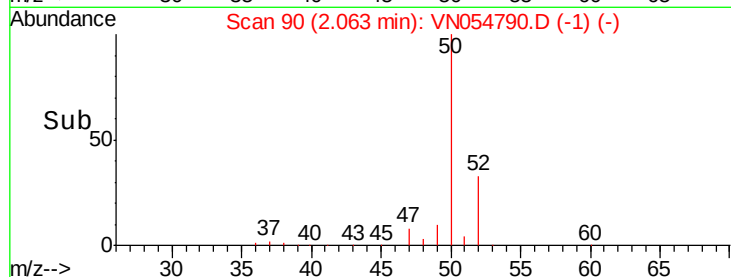
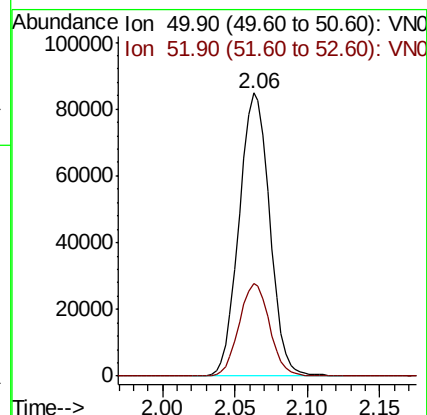
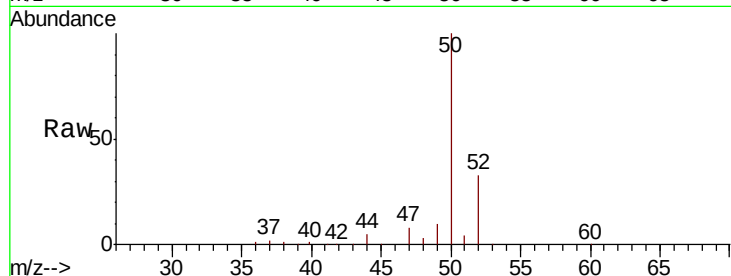
52 32.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.757 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054790.D

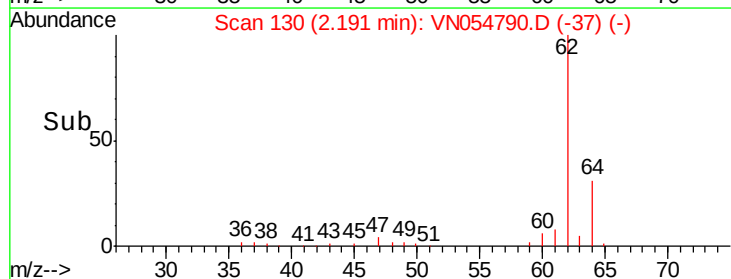
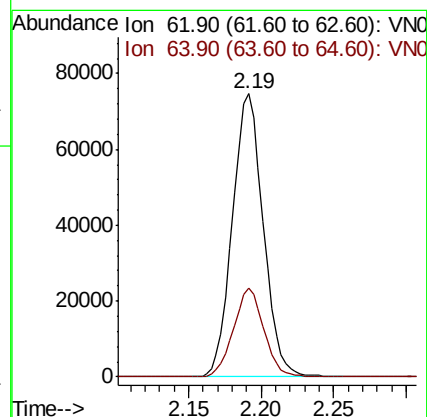
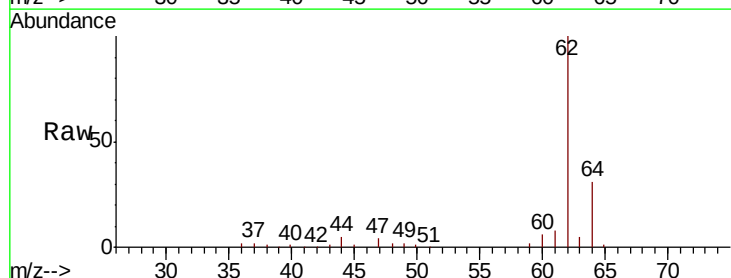
Acq: 30 Mar 2019 00:09

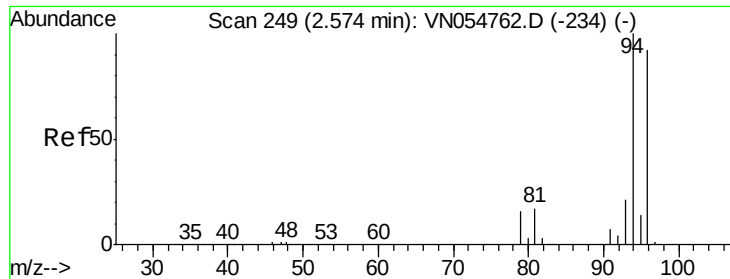
Tgt Ion: 62 Resp: 110105

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 22.045 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 94 Resp: 61824

Ion Ratio Lower Upper

94 100

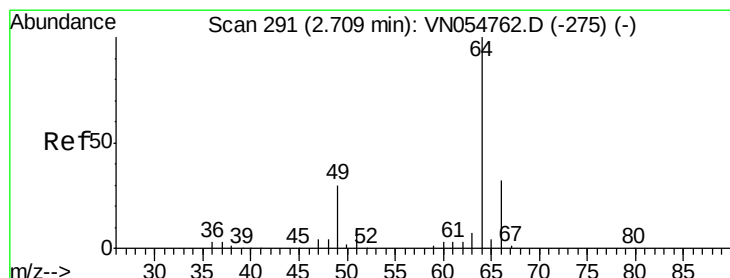
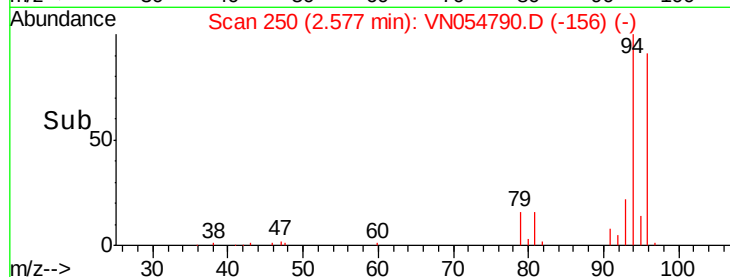
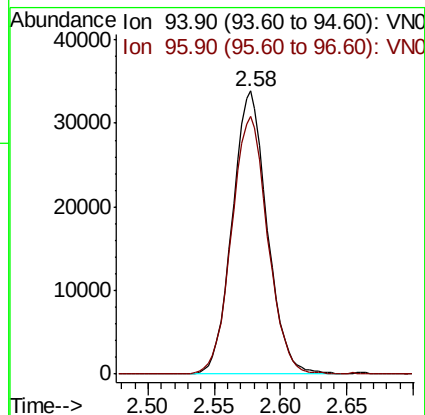
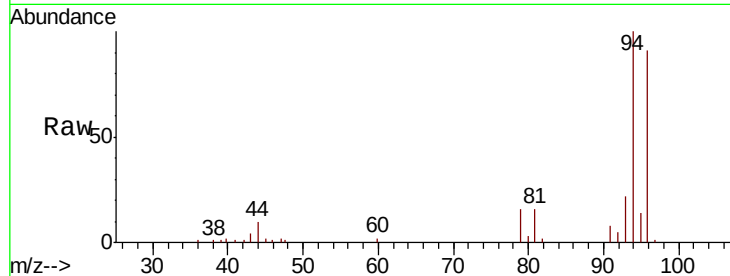
96 91.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 20.742 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054790.D

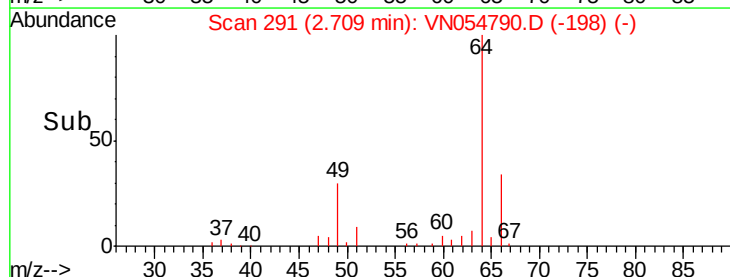
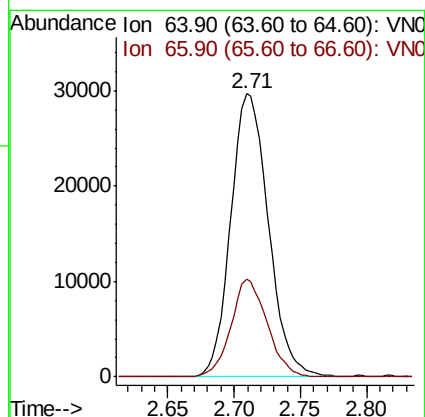
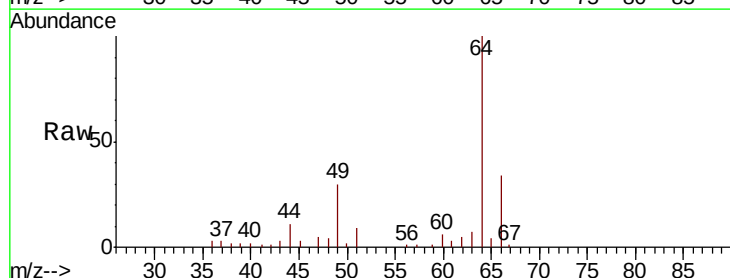
Acq: 30 Mar 2019 00:09

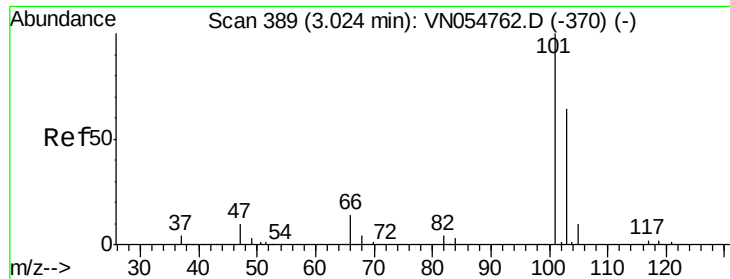
Tgt Ion: 64 Resp: 58612

Ion Ratio Lower Upper

64 100

66 34.5 25.7 38.5





#7

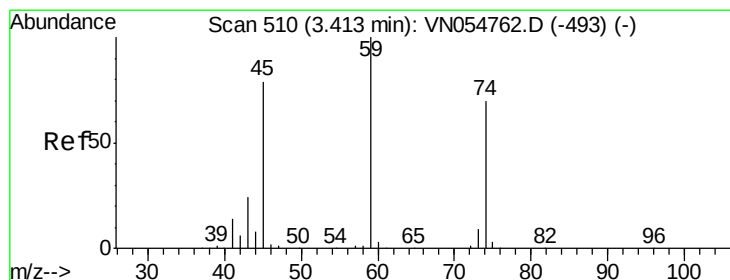
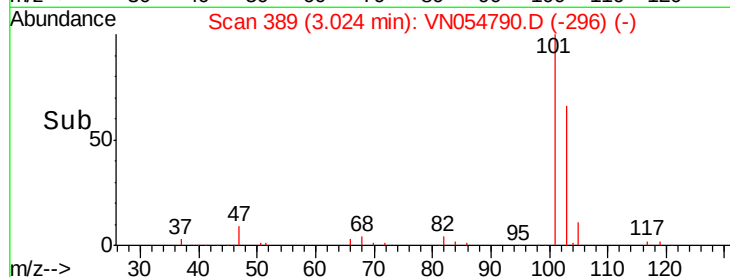
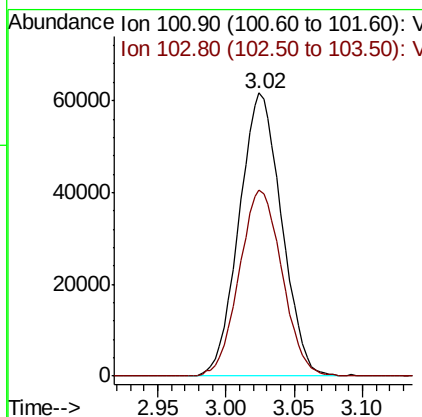
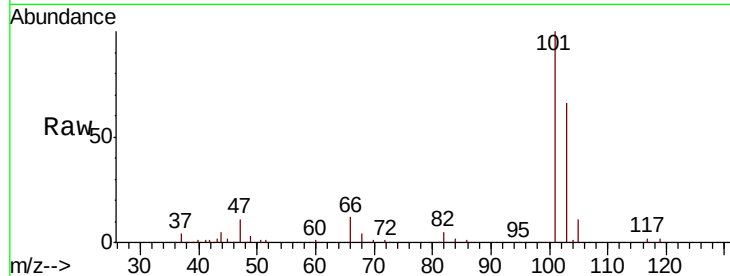
Trichlorofluoromethane
Concen: 21.419 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampled :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.2

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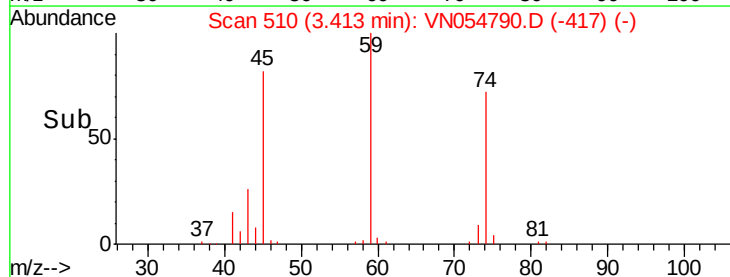
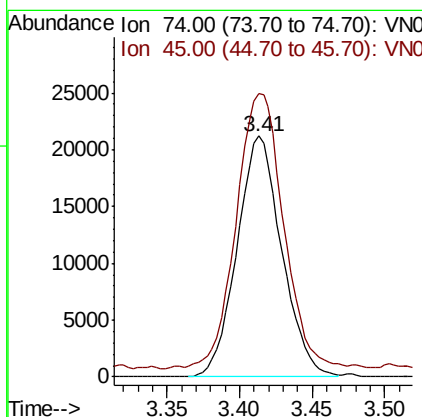
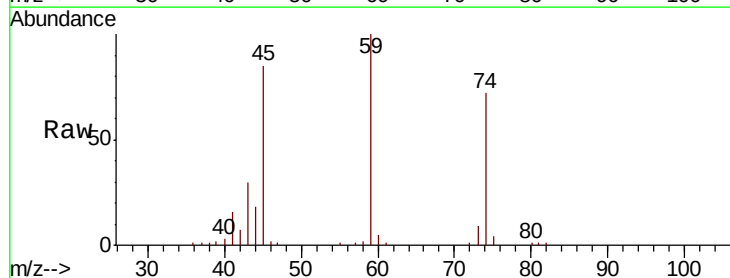
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4/1/2019 3:58:58 PM

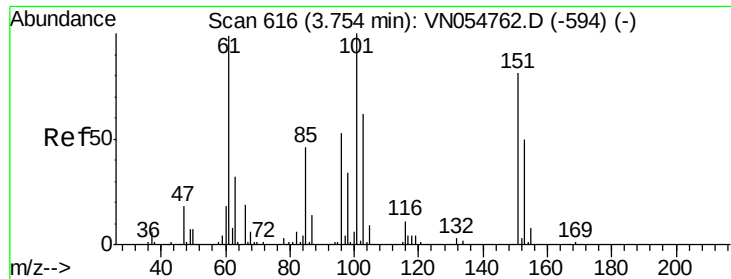


#8

Diethyl Ether
Concen: 22.655 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.841 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

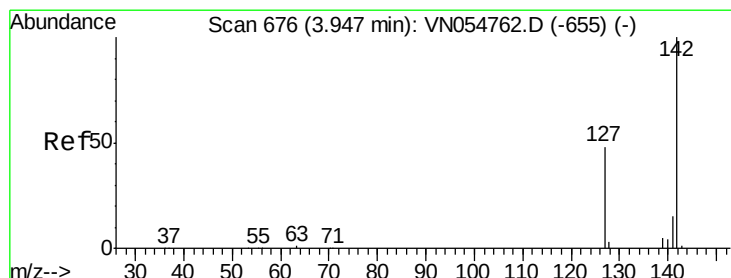
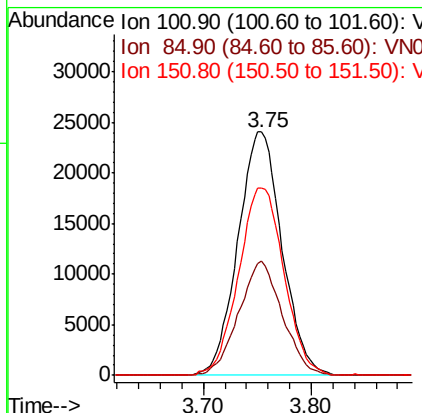
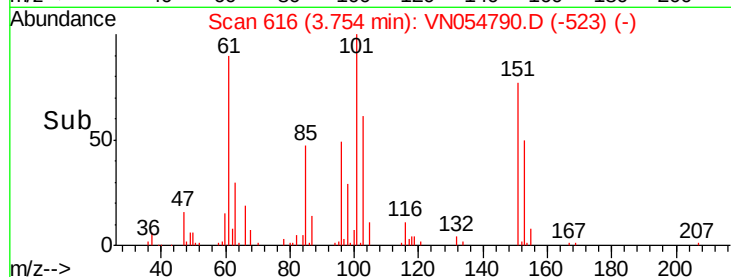
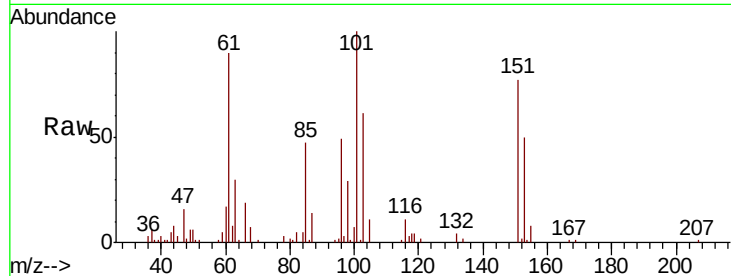
ClientSampleId :

VN0329WBSD01

Tot Ion:	101	Resp:	68258
Ion Ratio	Lower	Upper	
101	100		
85	46.4	32.4	48.6
151	79.1	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 22.550 ug/l

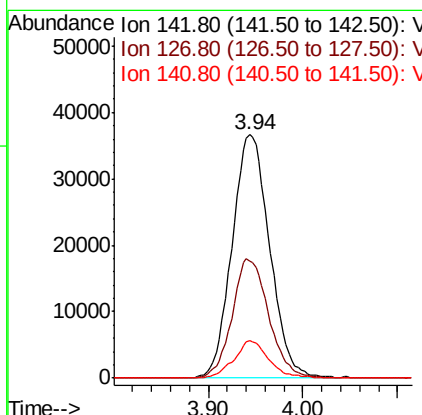
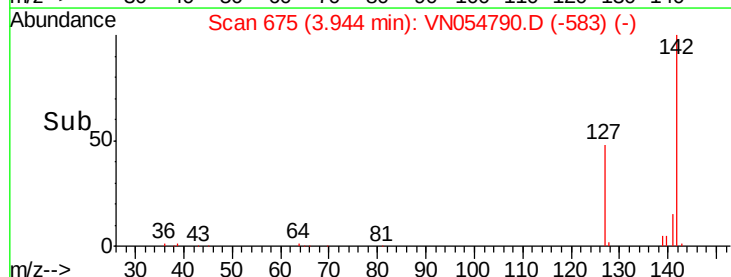
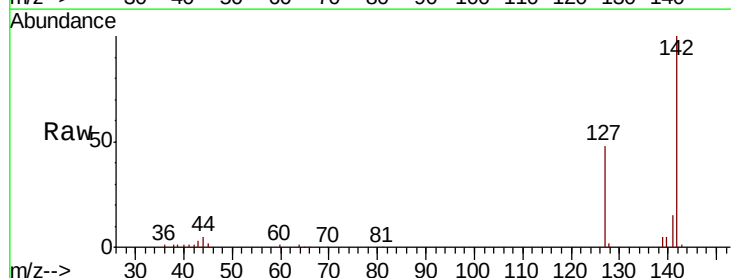
RT: 3.94 min Scan# 675

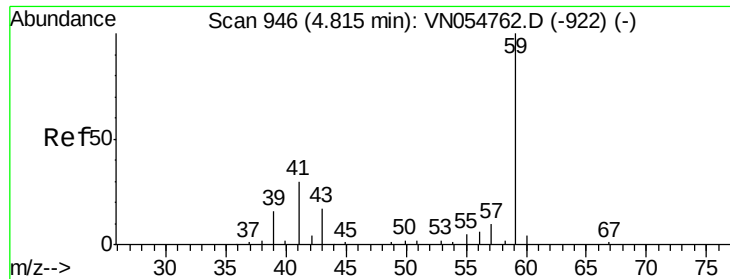
Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	142	Resp:	101105
Ion Ratio	Lower	Upper	
142	100		
127	47.6	30.3	45.5#
141	14.1	11.2	16.8





#11

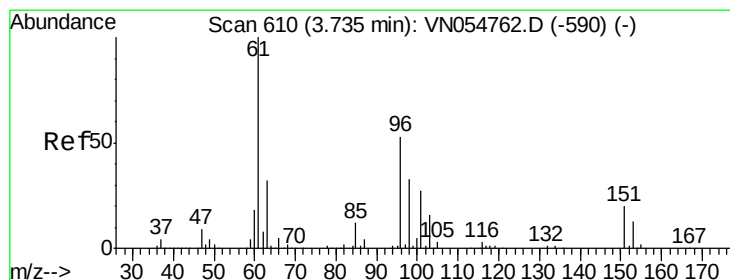
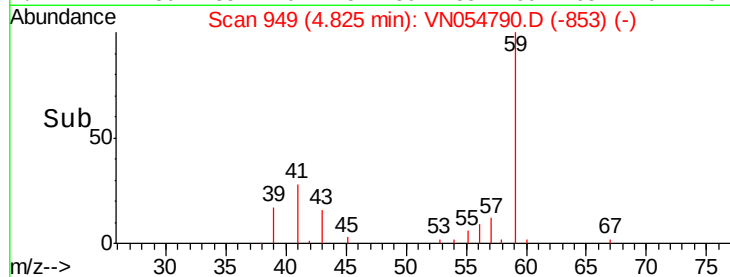
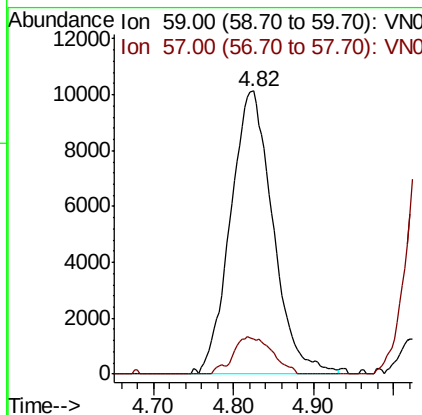
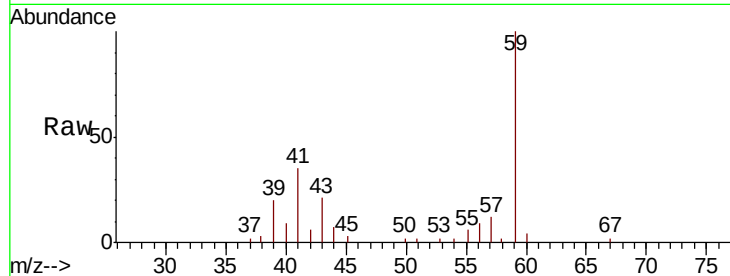
Tert butyl alcohol
Concen: 129.013 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	9.0	13.6

Manual Integrations
APPROVED

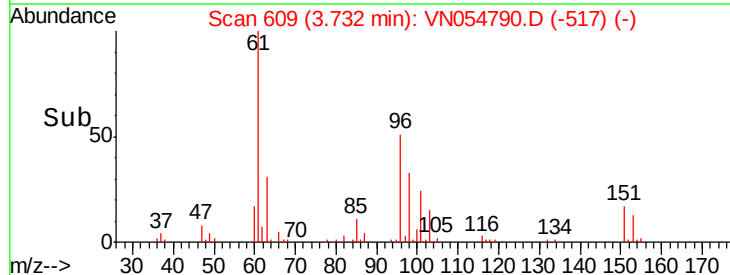
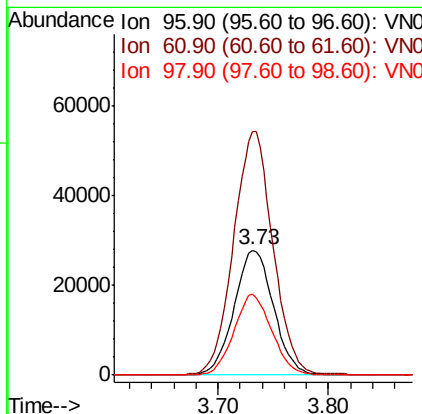
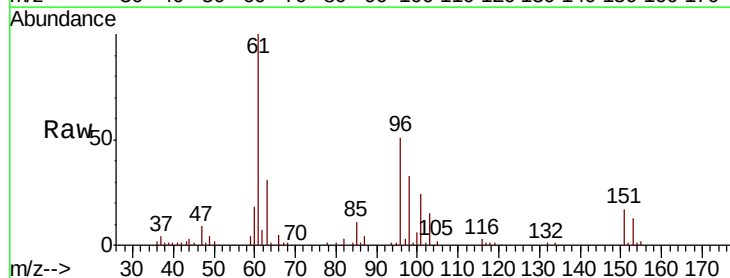
MMDadoda
4/1/2019 3:58:58 PM

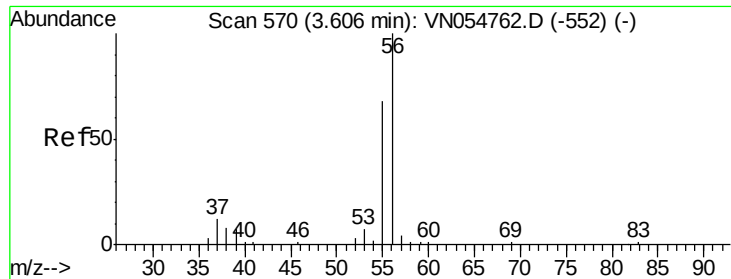


#12

1,1-Dichloroethene
Concen: 21.756 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.8	116.5	174.7#
98	64.5	51.0	76.4





#13

Acrolein

Concen: 120.300 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 56 Resp: 30435

Ion Ratio Lower Upper

56 100

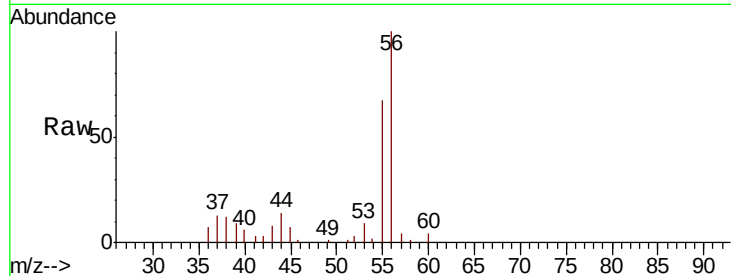
55 69.5 56.7 85.1

Manual Integrations

APPROVED

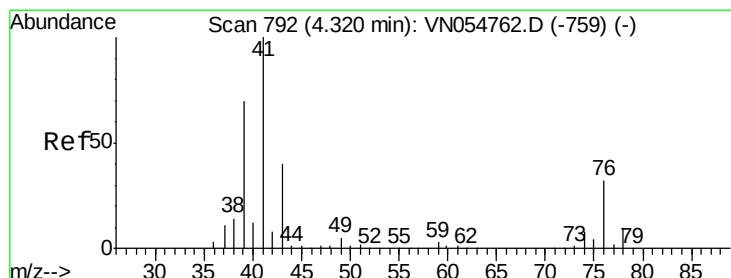
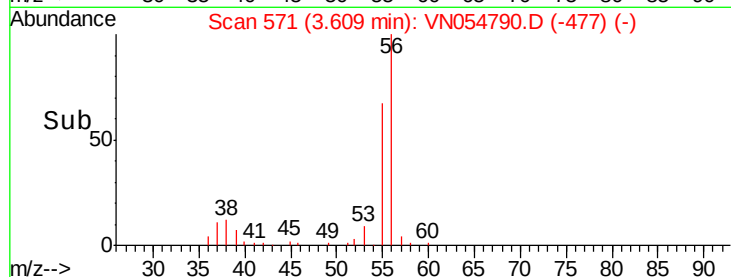
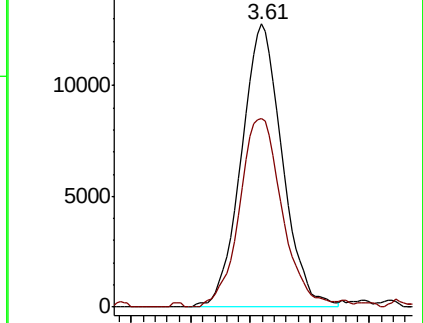
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Abundance Ion 56.00 (55.70 to 56.70): VN054762.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN054762.D (-552) (-)



#14

Allyl chloride

Concen: 20.910 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

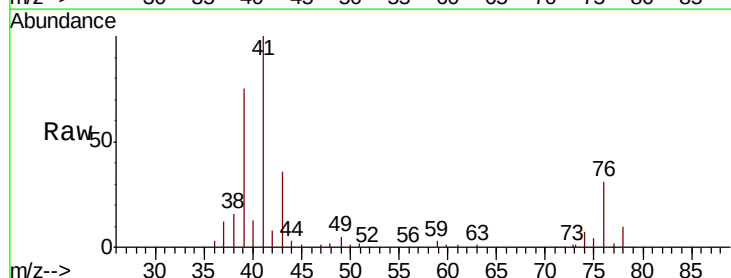
Tgt Ion: 41 Resp: 163129

Ion Ratio Lower Upper

41 100

39 69.0 58.2 87.4

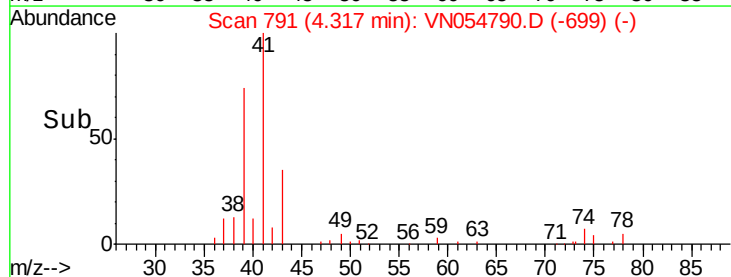
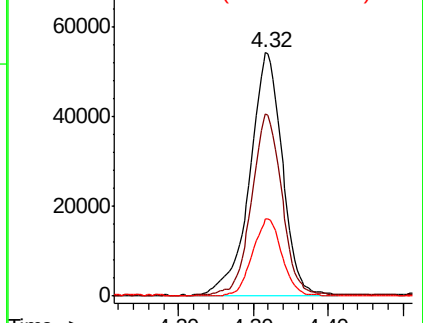
76 29.1 31.7 47.5#

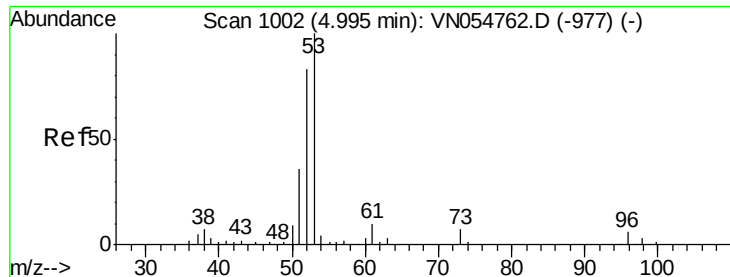


Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN054762.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN054762.D (-759) (-)





#15

Acrylonitrile

Concen: 121.865 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

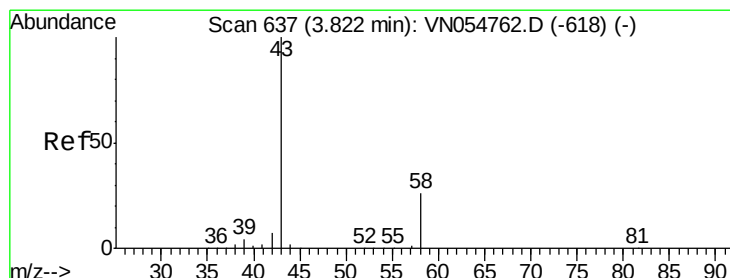
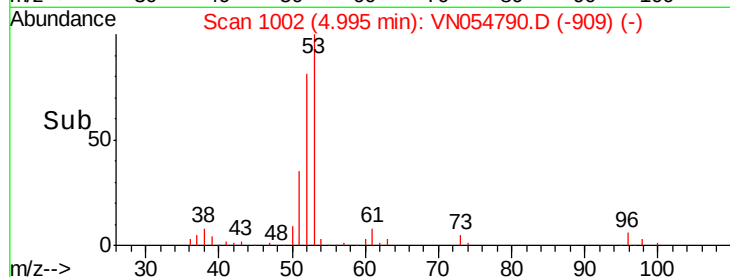
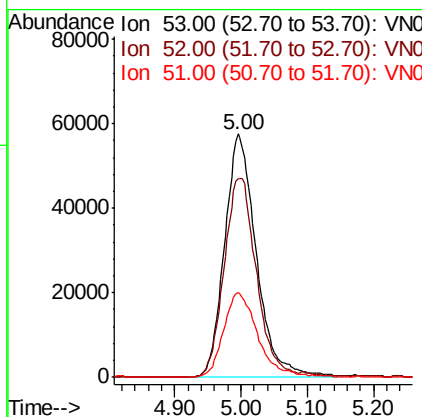
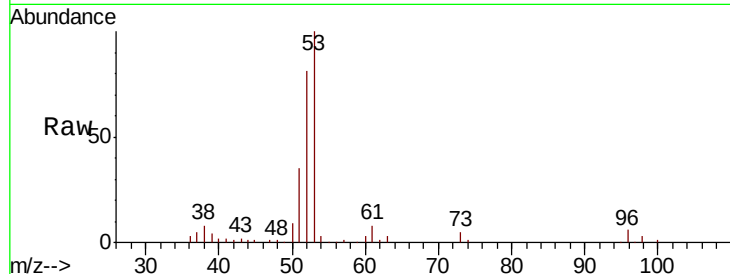
ClientSampleId :

VN0329WBSD01

Tot Ion:	53	Resp:	191690
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	37.2	29.6	44.4

Manual Integrations
APPROVED

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#16

Acetone

Concen: 101.726 ug/l

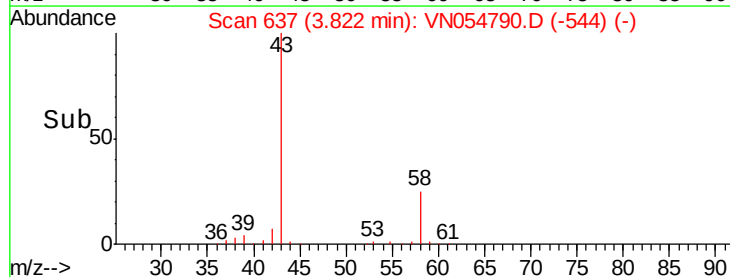
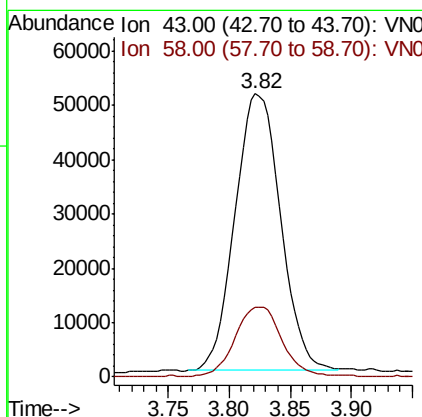
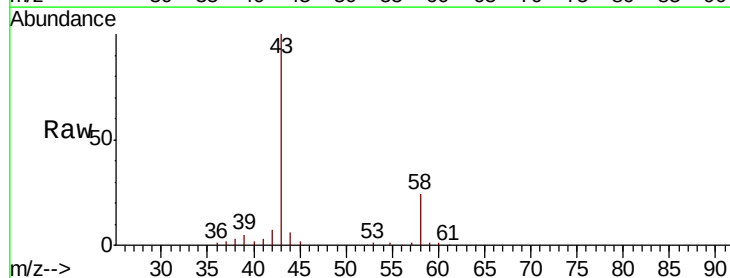
RT: 3.82 min Scan# 637

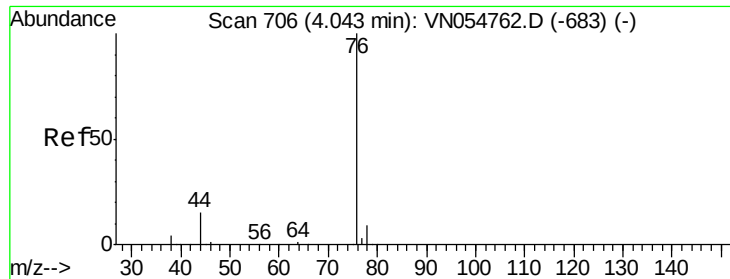
Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	43	Resp:	131759
Ion	Ratio	Lower	Upper
43	100		
58	25.0	29.9	44.9#





#17

Carbon Disulfide

Concen: 19.509 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 76 Resp: 200415

Ion Ratio Lower Upper

76 100

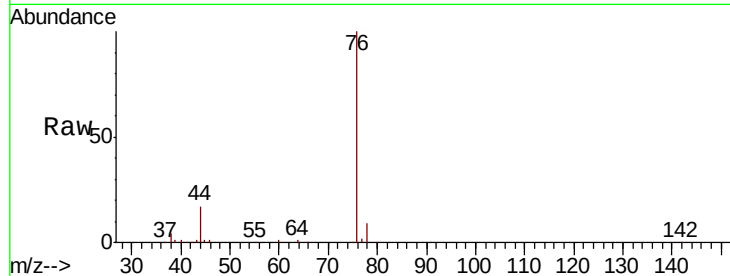
78 9.3 7.5 11.3

Manual Integrations

APPROVED

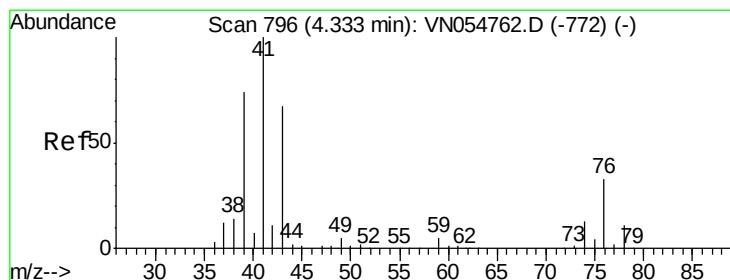
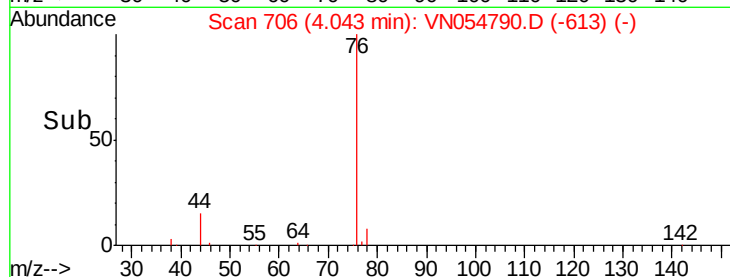
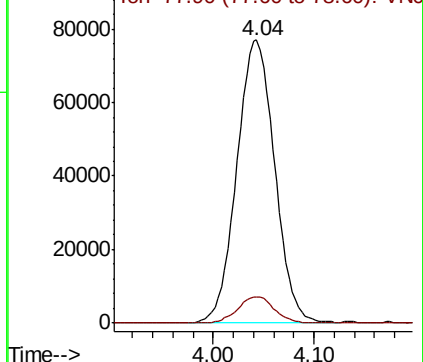
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 25.170 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054790.D

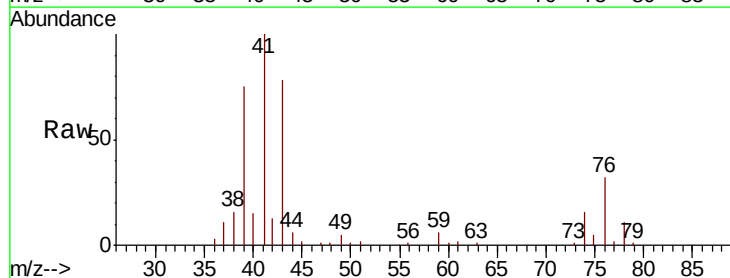
Acq: 30 Mar 2019 00:09

Tgt Ion: 43 Resp: 86456

Ion Ratio Lower Upper

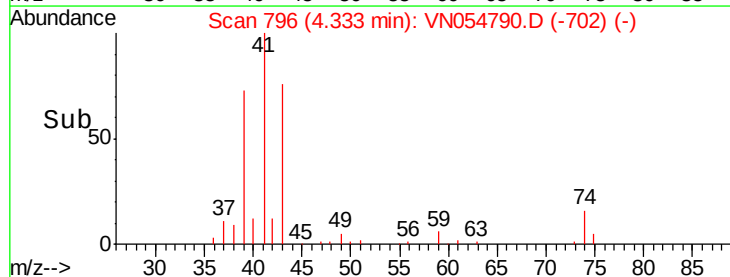
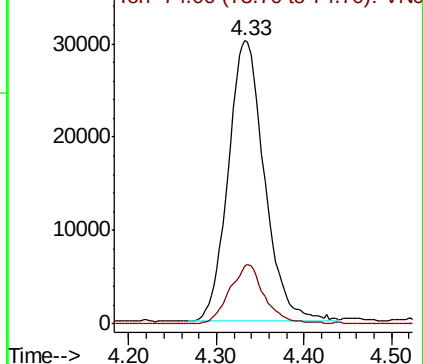
43 100

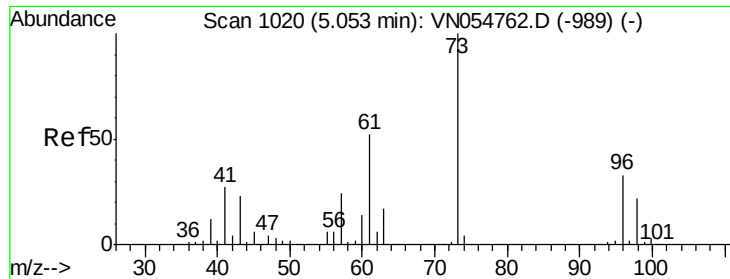
74 20.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





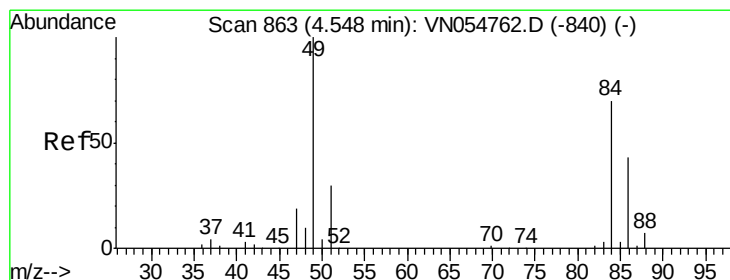
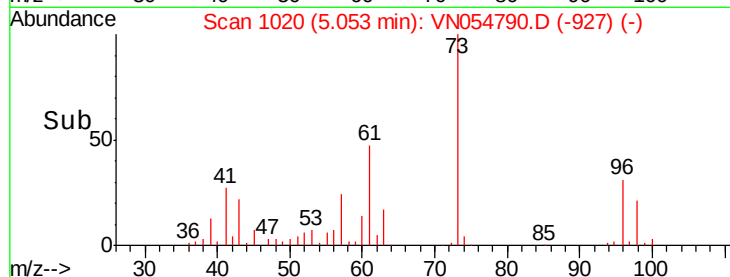
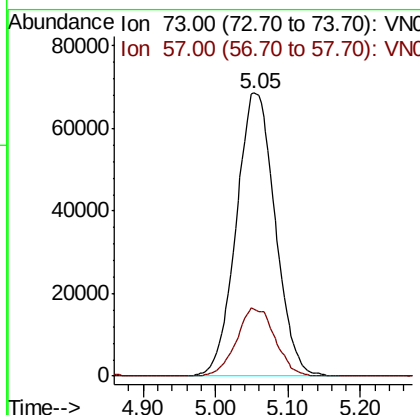
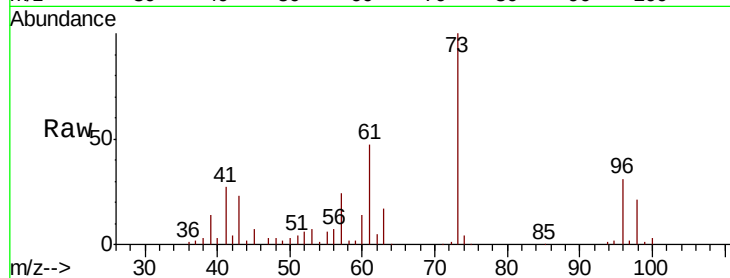
#19
Methvl tert-butyl Ether
Concen: 23.131 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion: 73 Resp: 256265
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

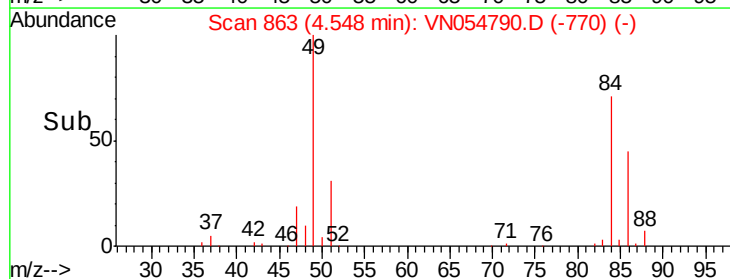
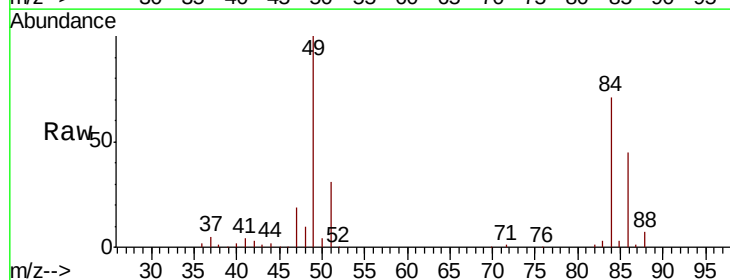
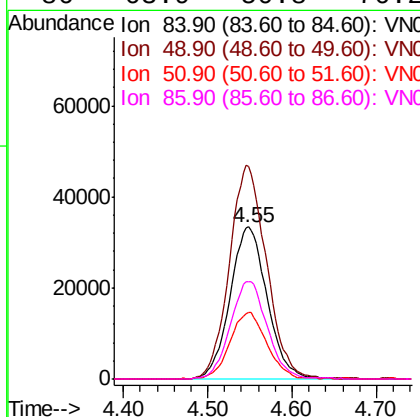
Manual Integrations
APPROVED

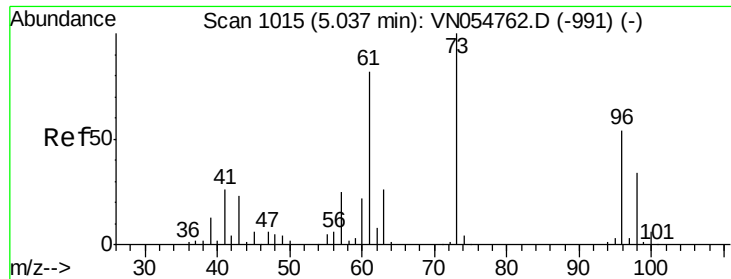
MMDadoda
4/1/2019 3:58:58 PM



#20
Methylene Chloride
Concen: 22.404 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion: 84 Resp: 102358
Ion Ratio Lower Upper
84 100
49 140.3 89.7 134.5#
51 44.1 28.2 42.4#
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.887 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 96 Resp: 91055

Ion Ratio Lower Upper

96 100

61 157.5 102.8 154.2#

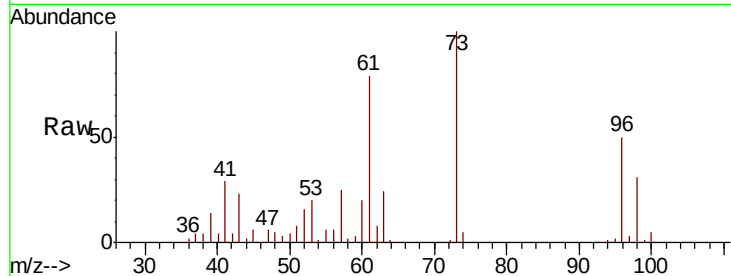
98 62.7 50.0 75.0

Manual Integrations

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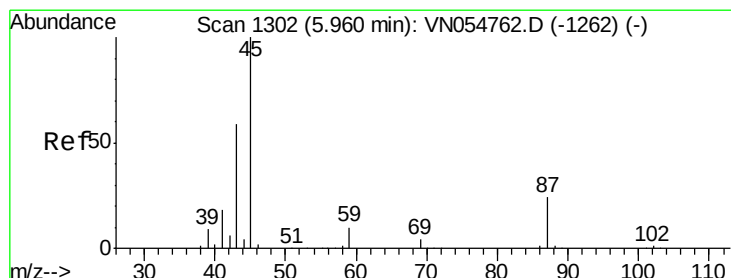
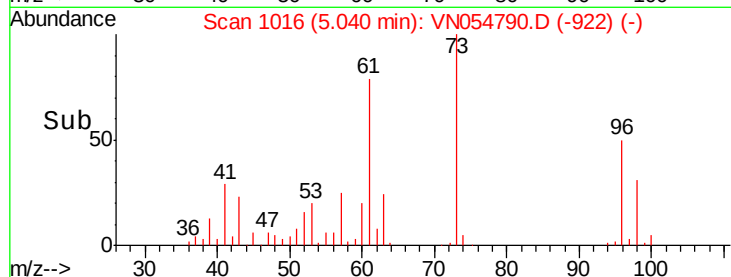
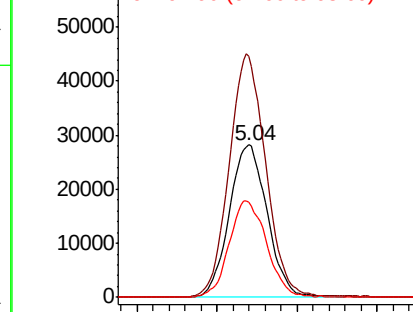


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.775 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion: 45 Resp: 351413

Ion Ratio Lower Upper

45 100

43 59.1 48.2 72.2

87 22.3 24.9 37.3#

59 11.0 9.5 14.3

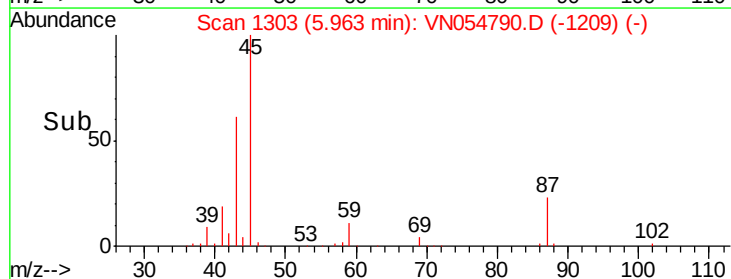
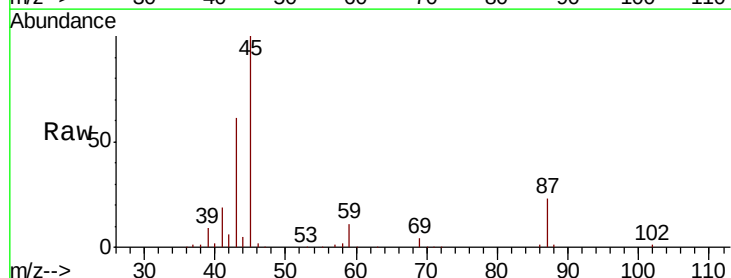
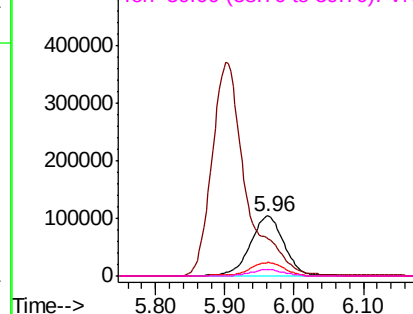
Abundance

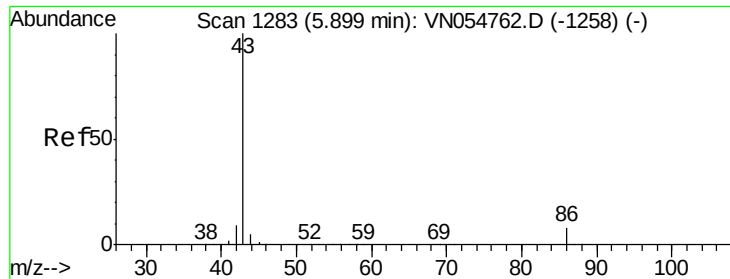
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 117.024 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 43 Resp: 1256564

Ion Ratio Lower Upper

43 100

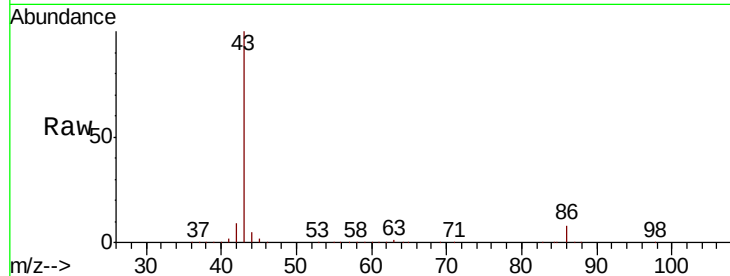
86 8.3 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

400000

300000

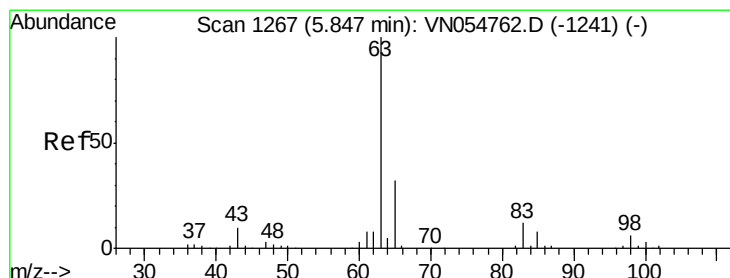
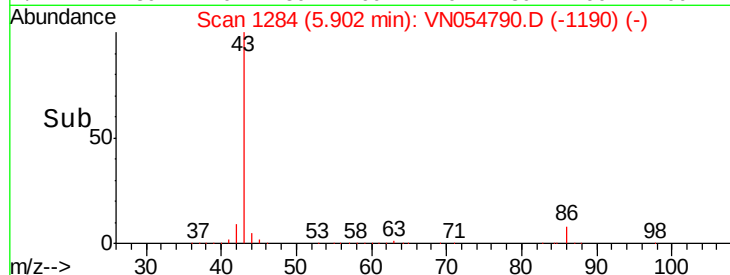
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 22.586 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

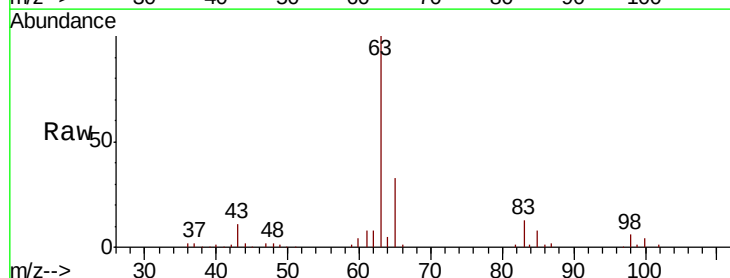
Tgt Ion: 63 Resp: 185901

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

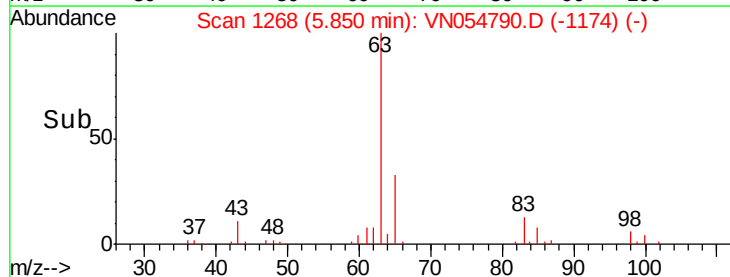
40000

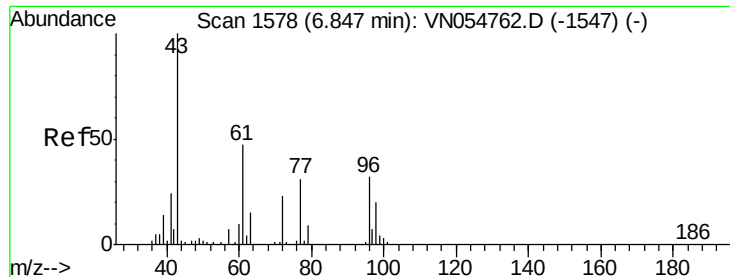
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 119.743 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 43 Resp: 229260

Ion Ratio Lower Upper

43 100

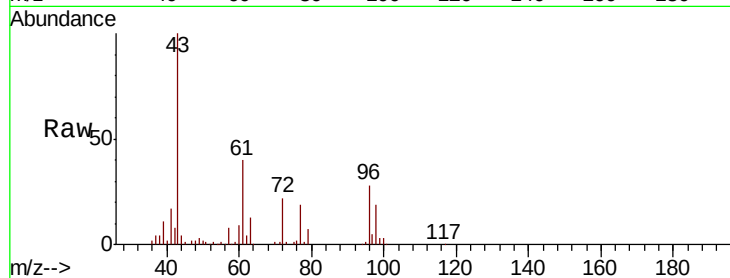
72 22.5 23.0 34.6#

Manual Integrations

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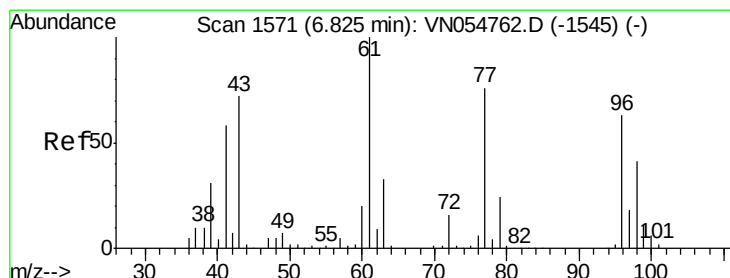
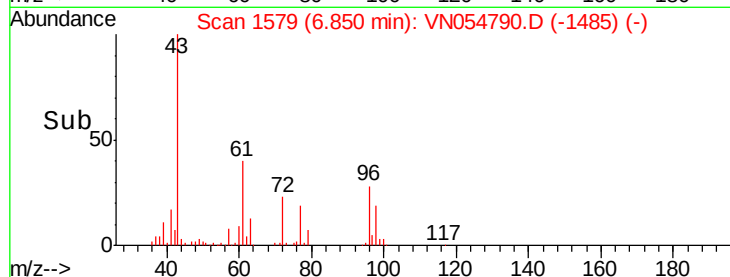
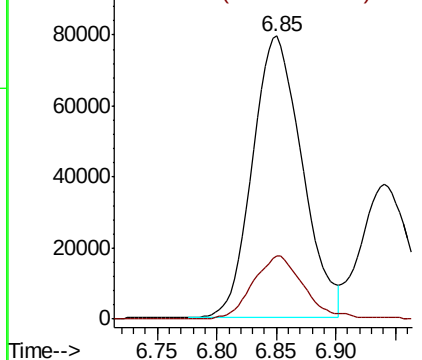
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.507 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054790.D

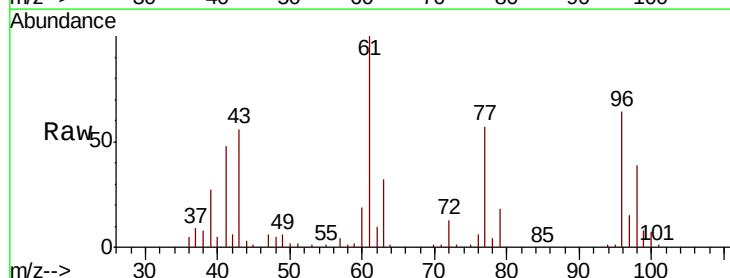
Acq: 30 Mar 2019 00:09

Tgt Ion: 77 Resp: 100998

Ion Ratio Lower Upper

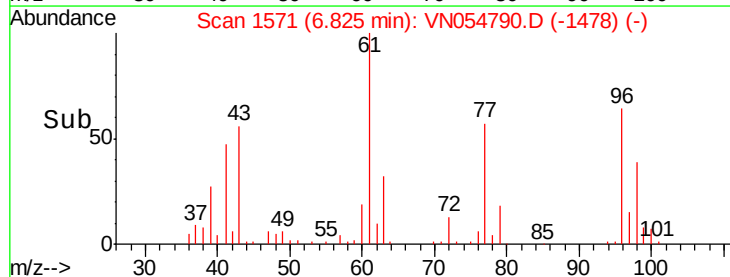
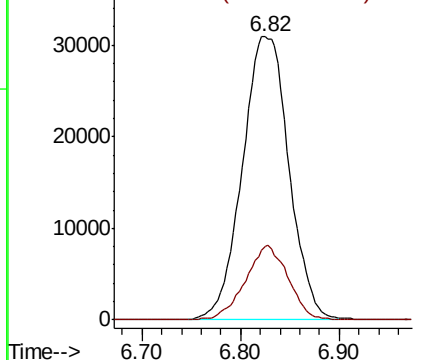
77 100

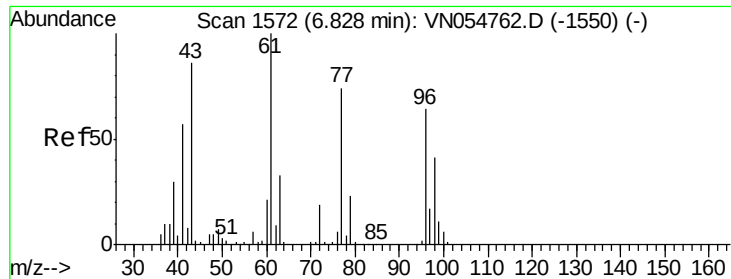
97 24.1 11.9 35.9



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: 22.518 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

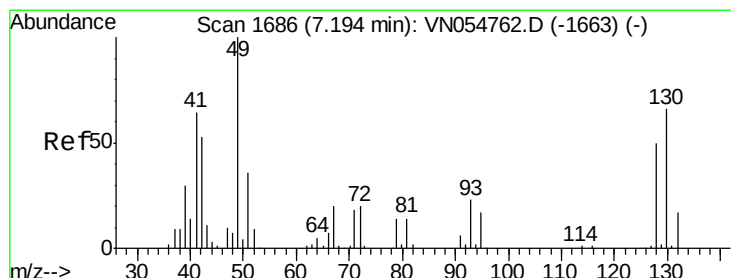
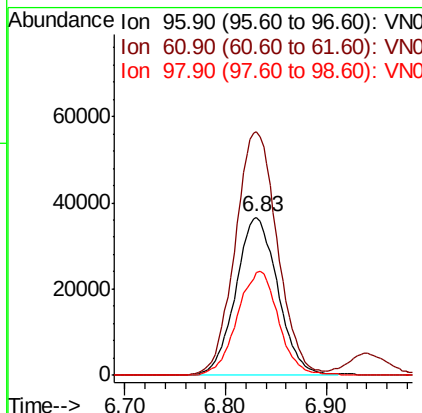
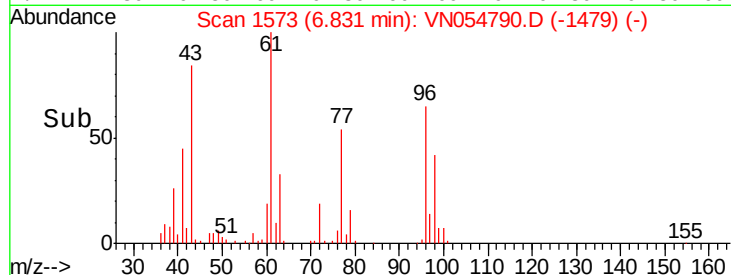
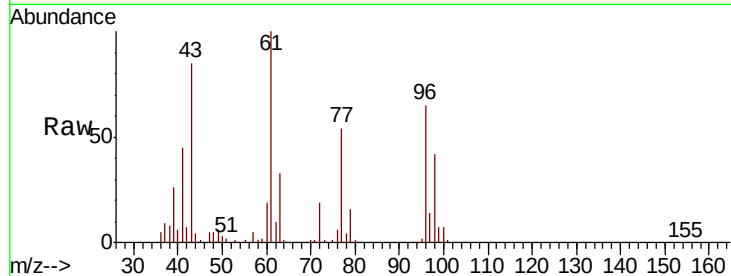
ClientSampleId :

VN0329WBSD01

Tot Ion:	96	Resp:	105826
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	273.0
98	64.8	0.0	130.6

Manual Integrations
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4/1/2019 3:58:58 PM



#28

Bromochloromethane

Concen: 23.783 ug/l

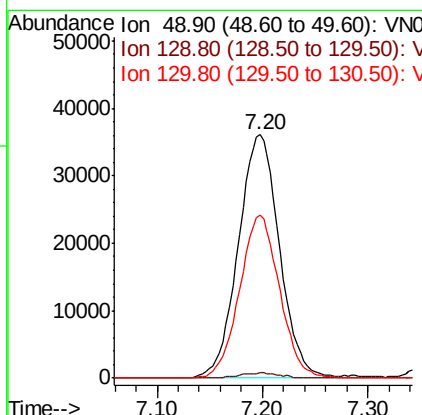
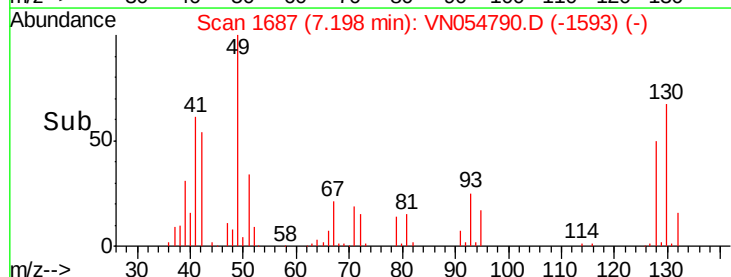
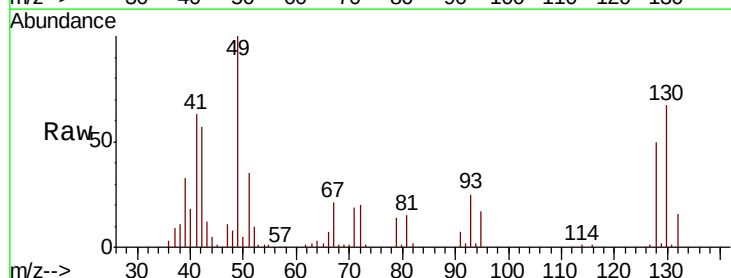
RT: 7.20 min Scan# 1687

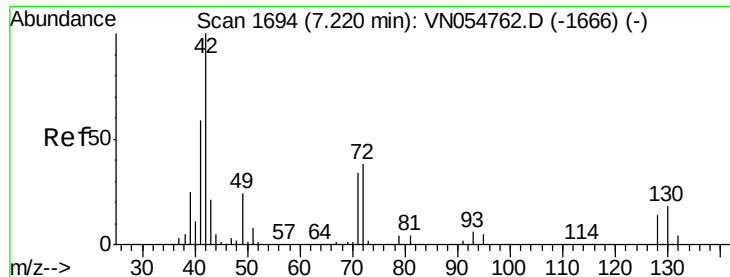
Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	49	Resp:	97884
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	65.1	76.7	115.1#





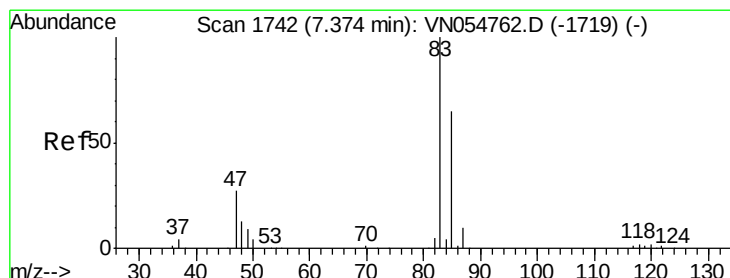
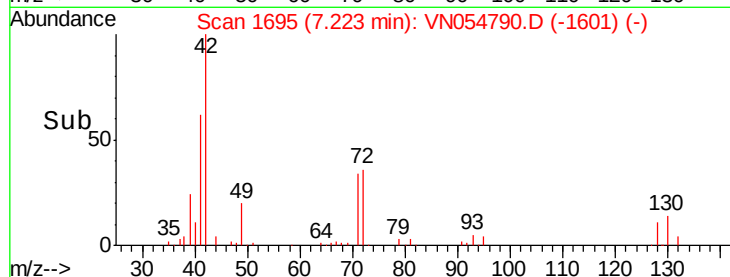
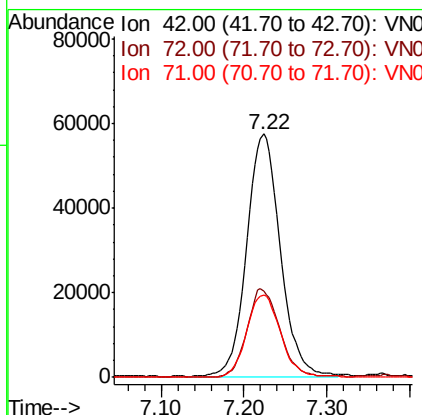
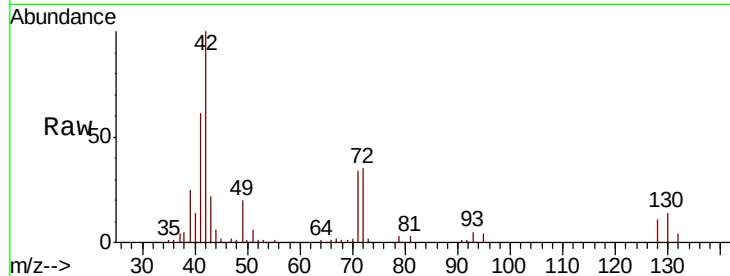
#29
Tetrahydrofuran
Concen: 121.258 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	37.8	56.6#
71	34.3	36.2	54.2#

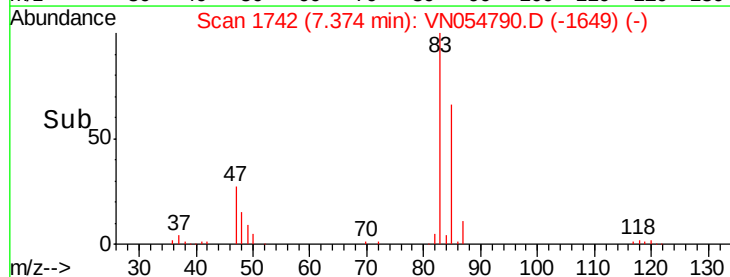
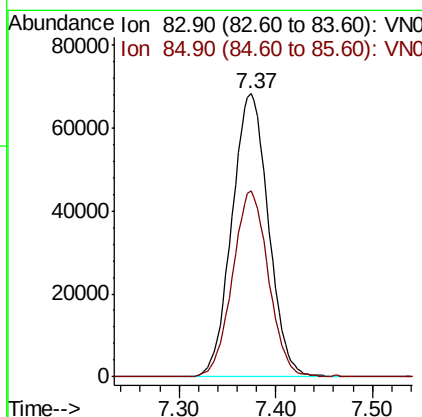
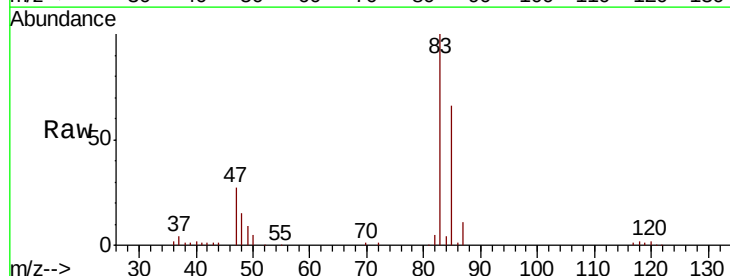
Manual Integrations
APPROVED

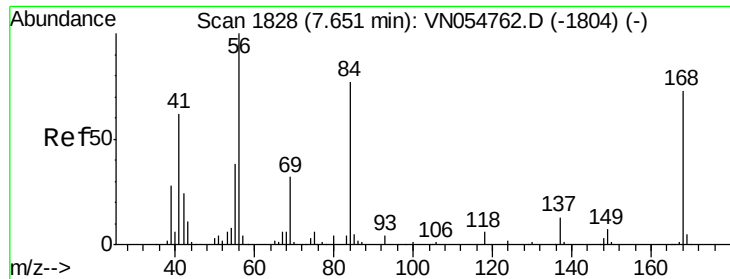
MMDadoda
4/1/2019 3:58:58 PM



#30
Chloroform
Concen: 22.776 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4





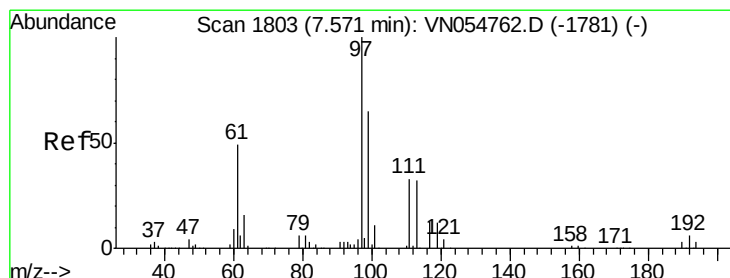
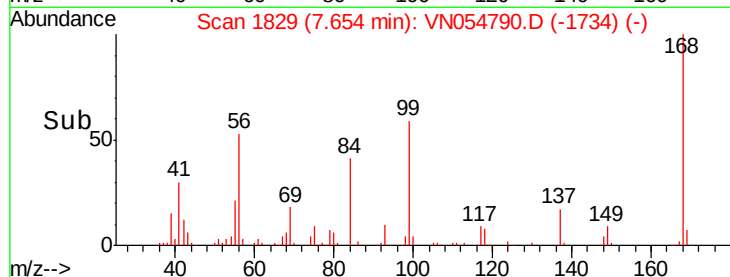
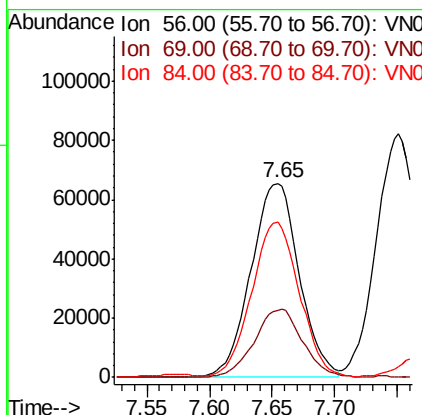
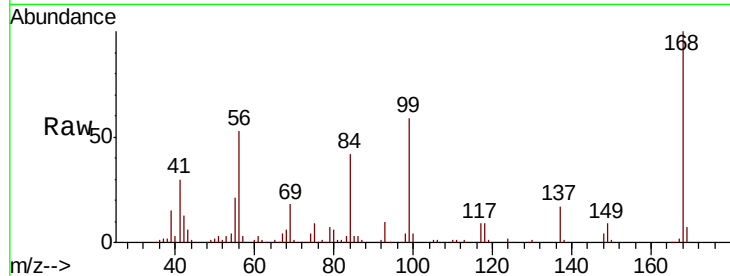
#31
Cyclohexane
Concen: 22.172 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.8	41.6
84	78.9	74.6	111.8

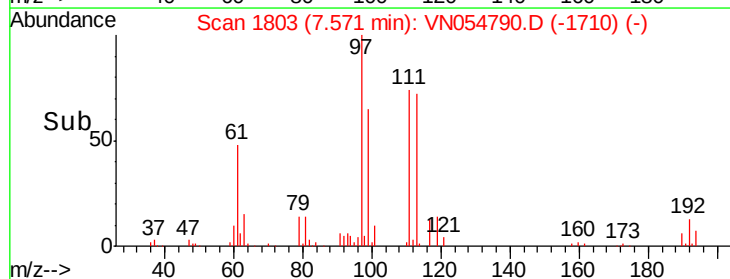
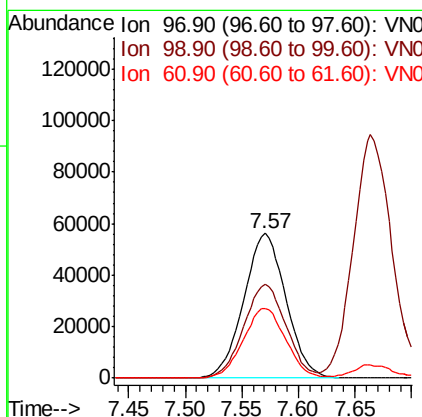
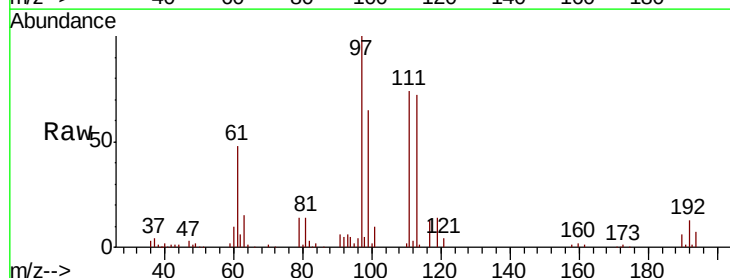
Manual Integrations
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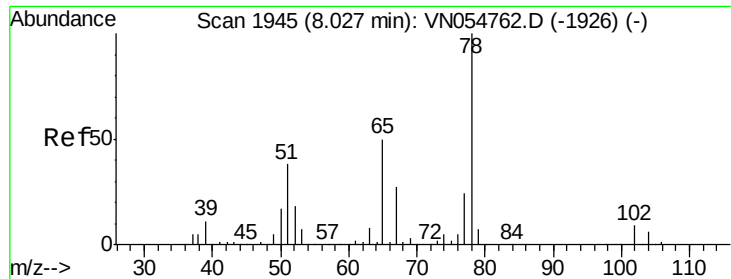
MMDadoda
4/1/2019 3:58:58 PM



#32
1,1,1-Trichloroethane
Concen: 22.369 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	48.7	33.6	50.4





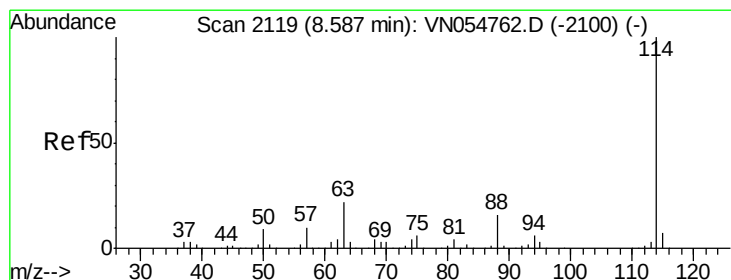
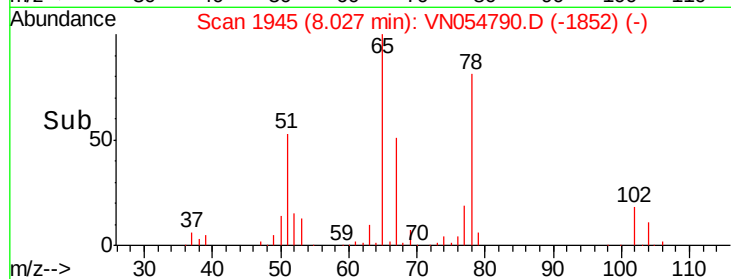
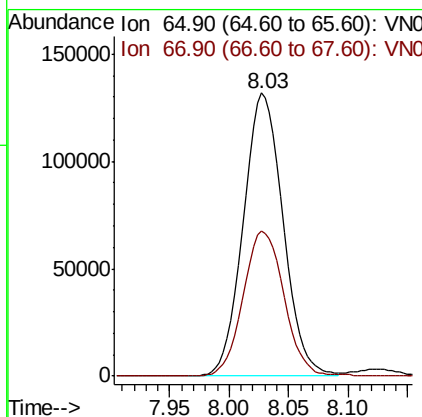
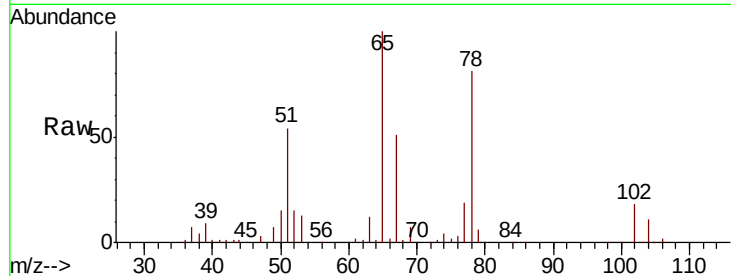
#33
 1,2-Dichloroethane-d4
 Concen: 56.316 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	305883		
67	52.6	0.0	104.6	

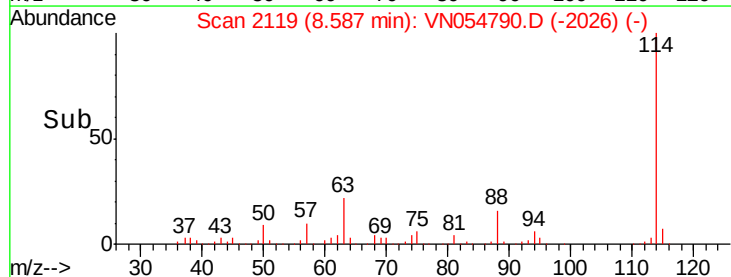
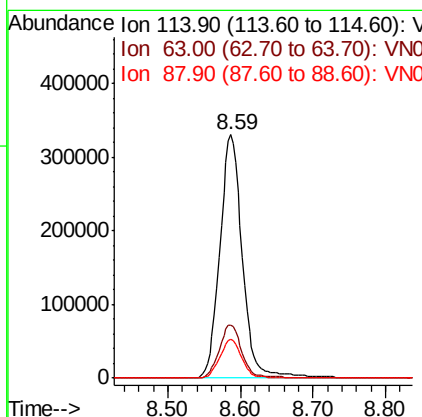
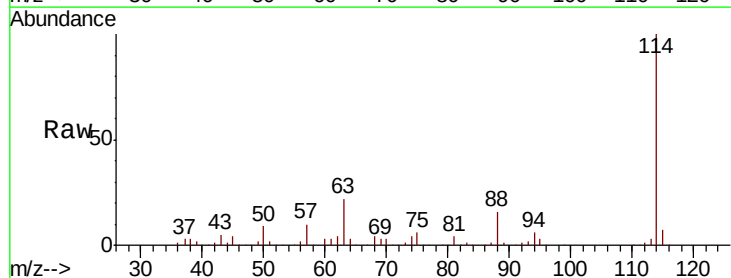
Manual Integrations
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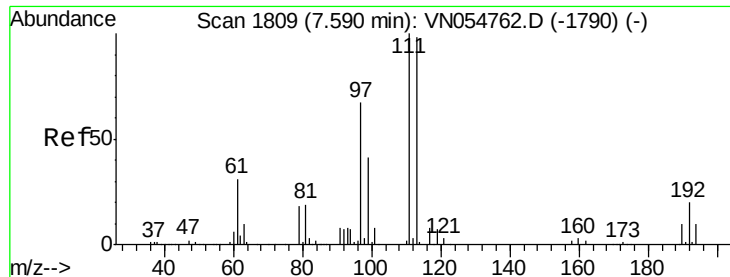
MMDadoda
 4/1/2019 3:58:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	712042		
63	22.0	0.0	35.2	
88	16.0	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.125 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

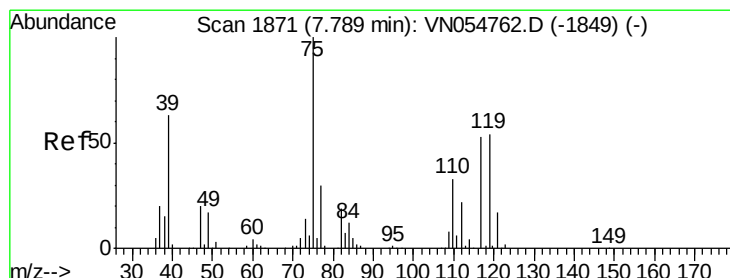
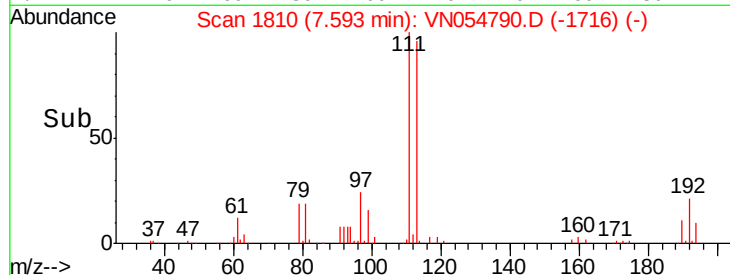
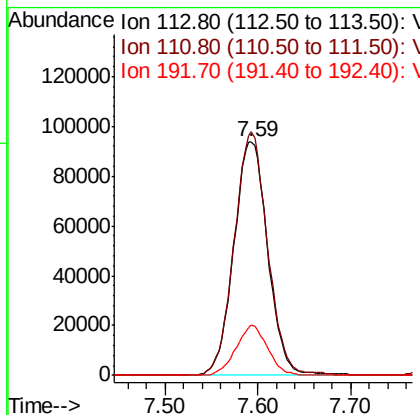
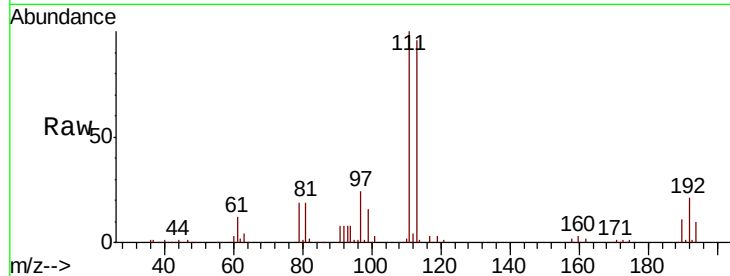
ClientSampleId :

VN0329WBSD01

Tot Ion:	113	Resp:	237951
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.2	123.4
192	20.0	19.2	28.8

Manual Integrations
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4/1/2019 3:58:58 PM



#36

1,1-Dichloropropene

Concen: 19.543 ug/l

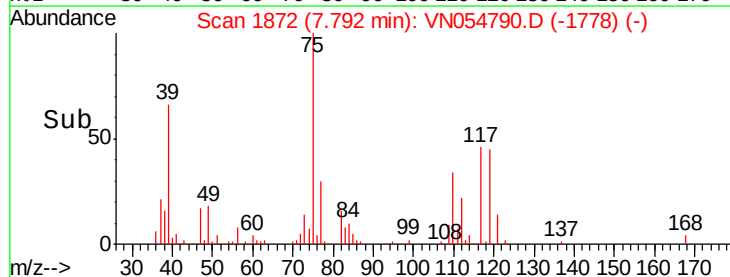
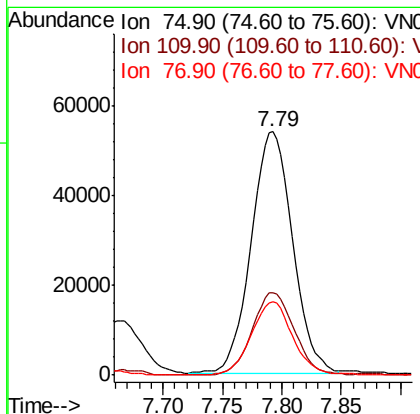
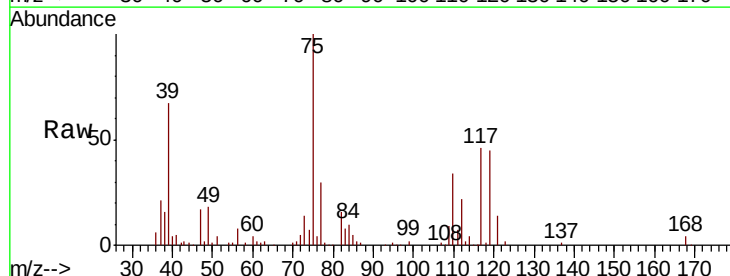
RT: 7.79 min Scan# 1872

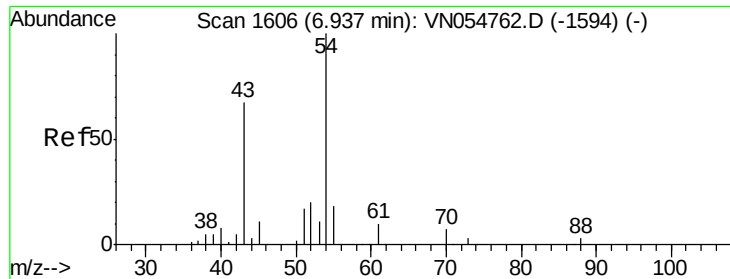
Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	75	Resp:	129668
Ion Ratio	Lower	Upper	
75	100		
110	34.7	19.1	57.5
77	30.7	25.0	37.4





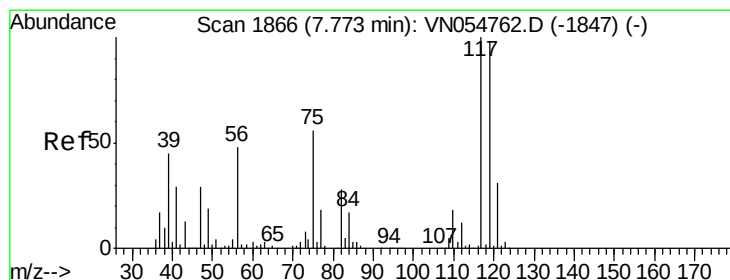
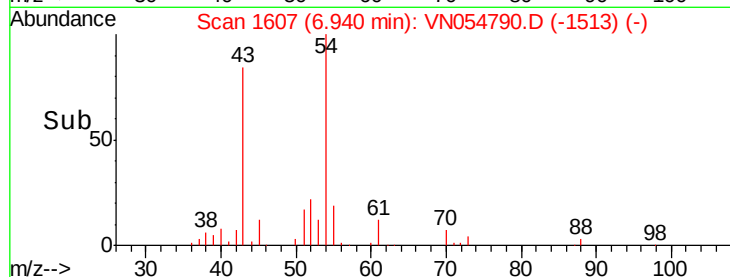
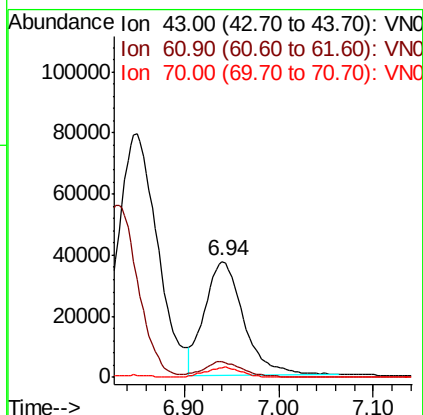
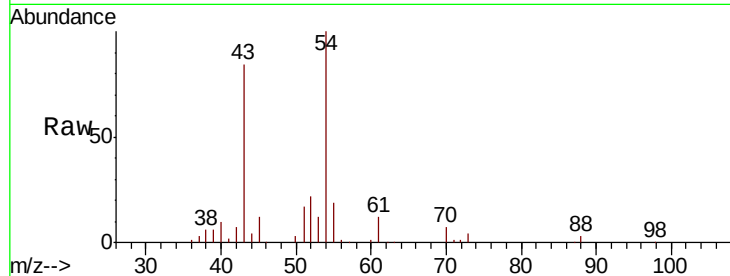
#37
Ethyl Acetate
Concen: 21.844 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampled :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	8.2	8.4	12.6

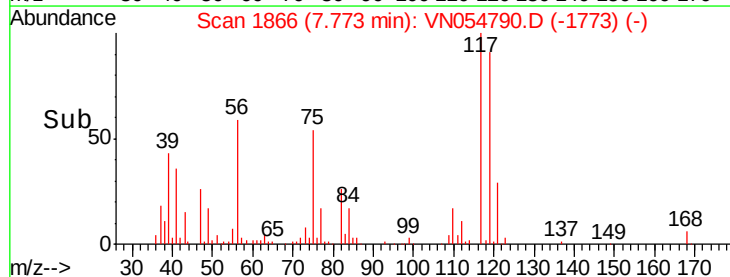
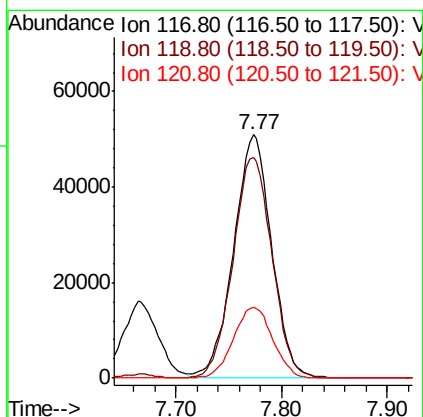
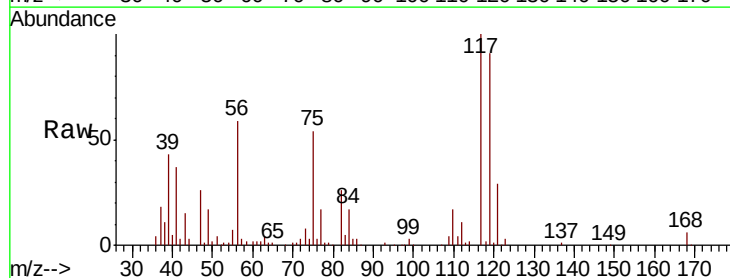
Manual Integrations
APPROVED

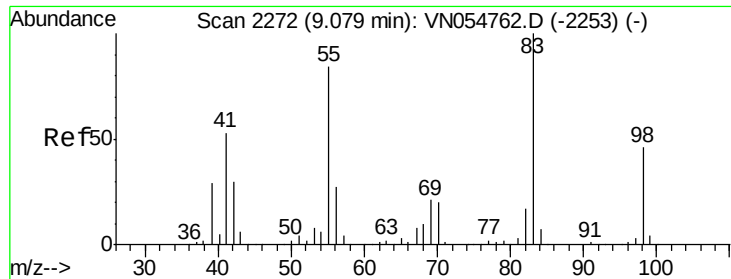
MMDadoda
4/1/2019 3:58:58 PM



#38
Carbon Tetrachloride
Concen: 19.779 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.3	114.5
121	28.9	24.6	36.8





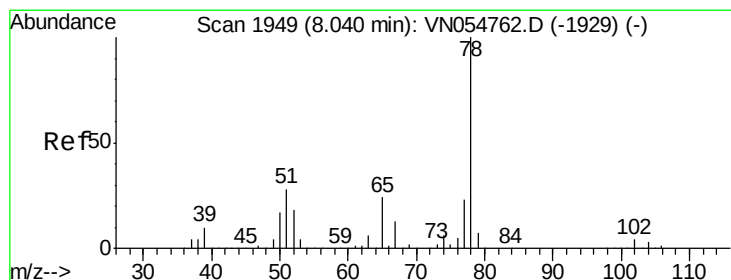
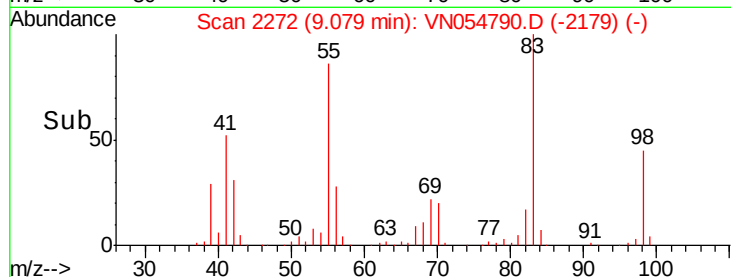
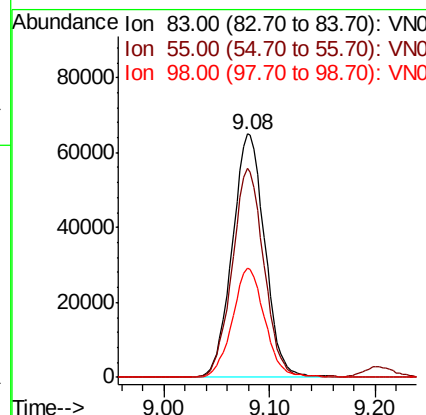
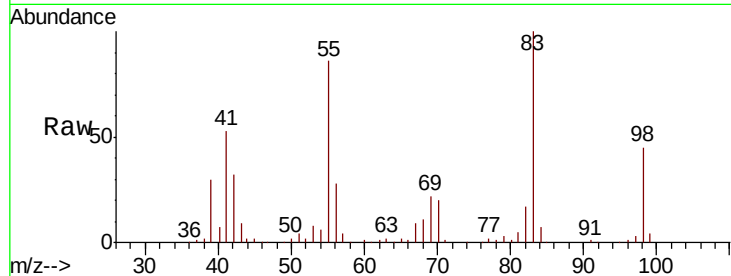
#39
Methylvlcyclohexane
Concen: 18.993 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	83.00	Resp	138542
Ion Ratio	Lower	Upper	
83	100		
55	85.9	56.6	84.8#
98	45.0	38.4	57.6

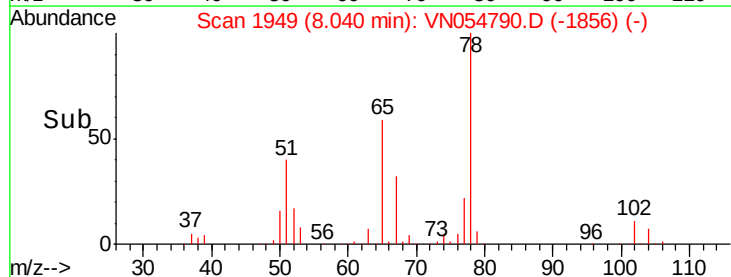
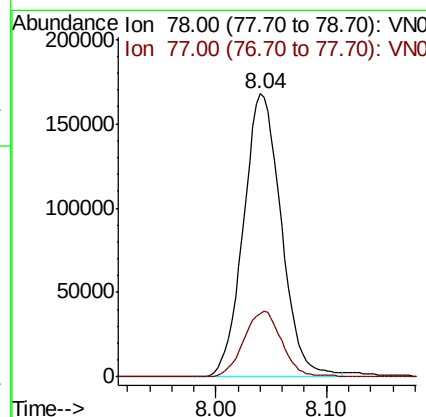
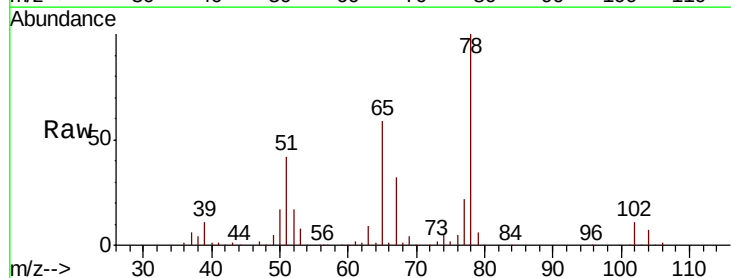
Manual Integrations
APPROVED

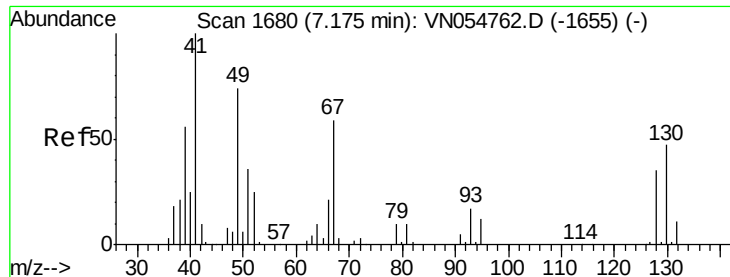
MMDadoda
4/1/2019 3:58:58 PM



#40
Benzene
Concen: 21.006 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	78.00	Resp	398796
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.1	28.7





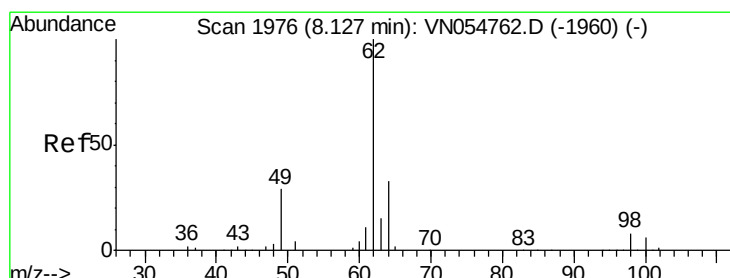
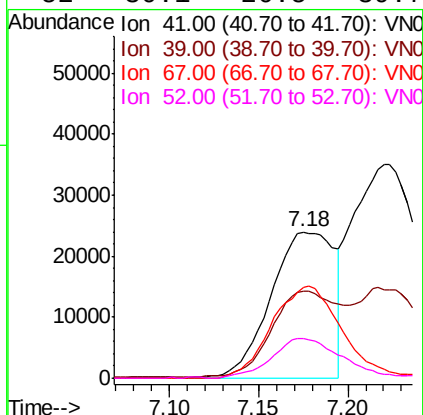
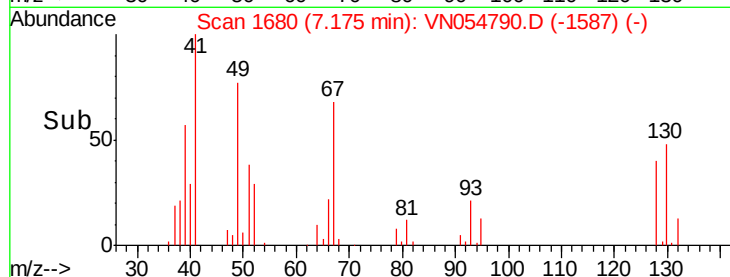
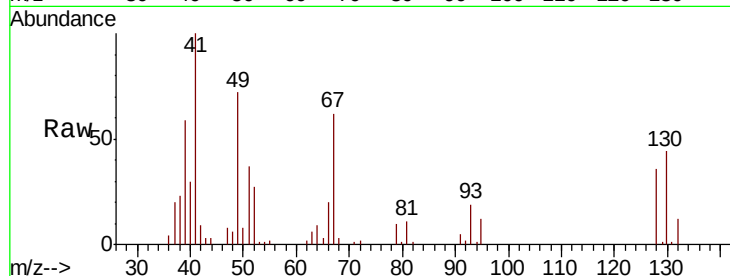
#41
Methacrylonitrile
Concen: 21.729 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion:	41	Resp:	59389
Ion	Ratio	Lower	Upper
41	100		
39	60.0	46.8	70.2
67	70.5	67.0	100.4
52	30.1	26.5	39.7

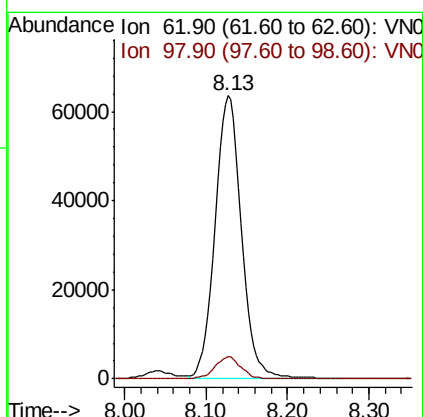
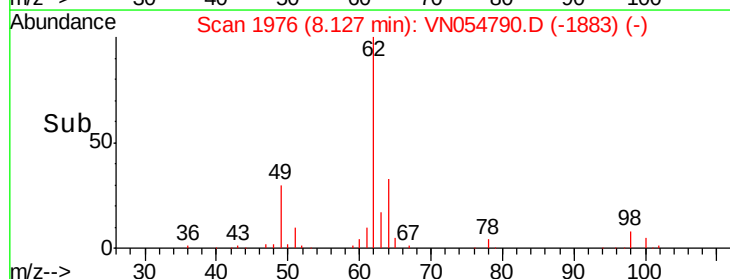
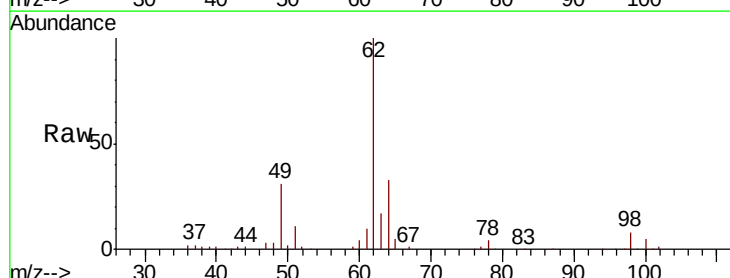
Manual Integrations
APPROVED

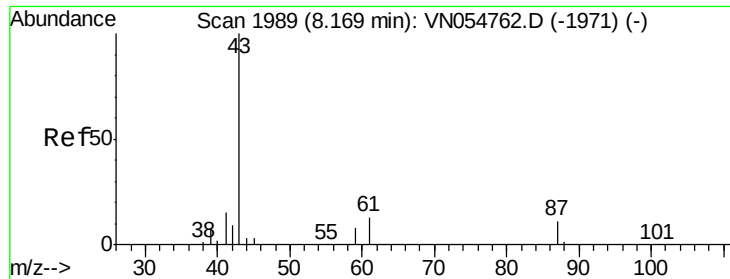
MMDadoda
4/1/2019 3:58:58 PM



#42
1,2-Dichloroethane
Concen: 21.571 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion:	62	Resp:	146224
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 23.425 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

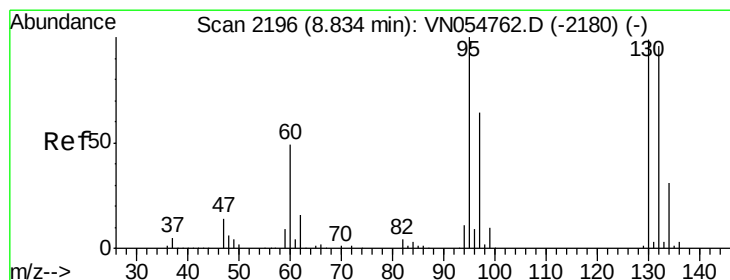
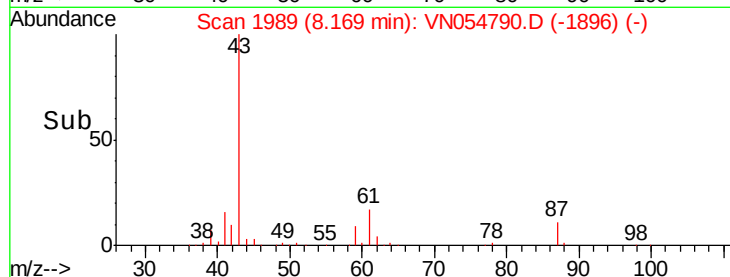
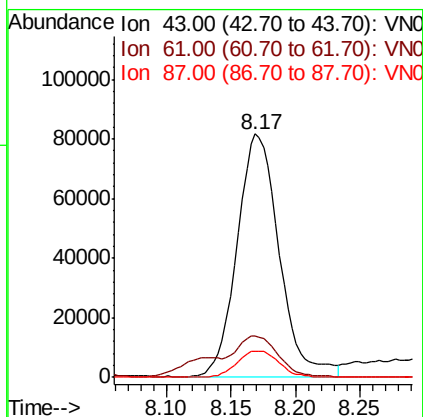
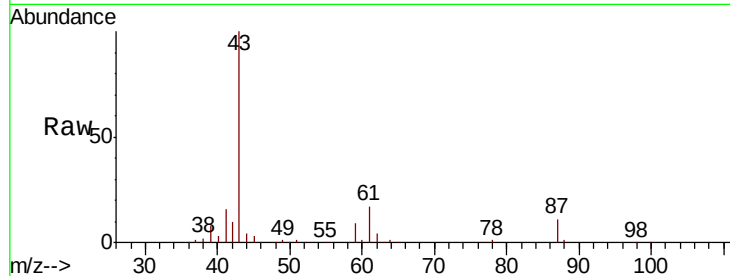
ClientSampleId :

VN0329WBSD01

Tot Ion:	43	Resp:	185193
Ion	Ratio	Lower	Upper
43	100		
61	16.5	15.8	23.8
87	10.8	12.0	18.0#

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#44

Trichloroethene

Concen: 20.382 ug/l

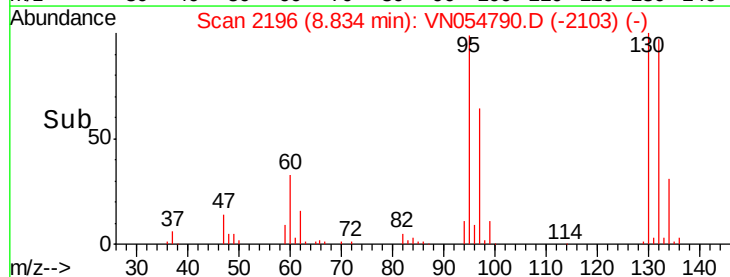
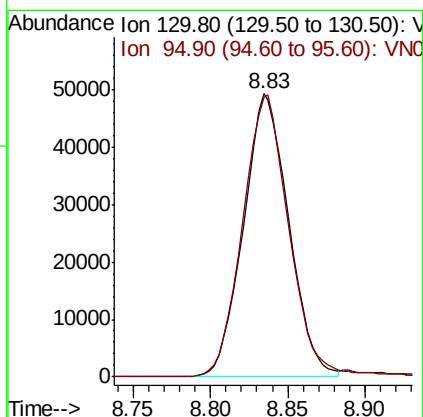
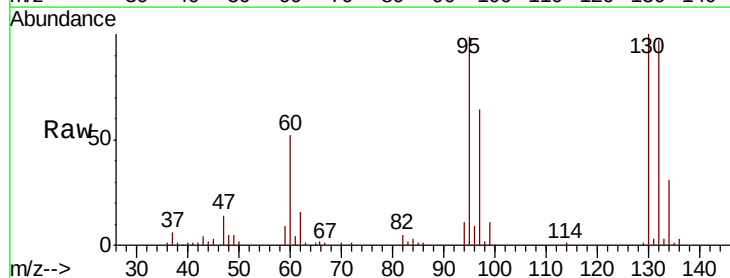
RT: 8.83 min Scan# 2196

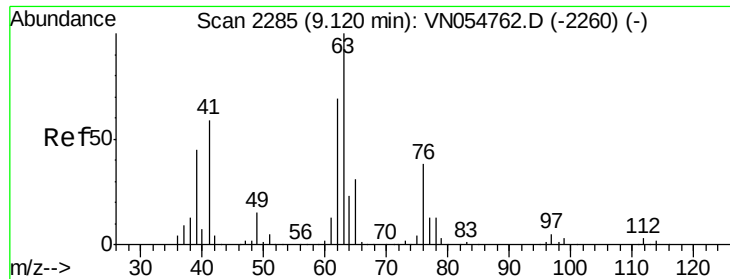
Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	130	Resp:	100447
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	185.2





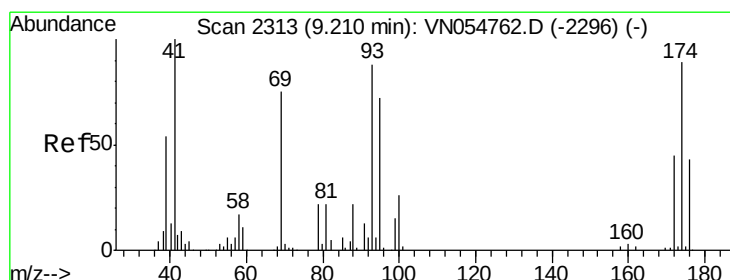
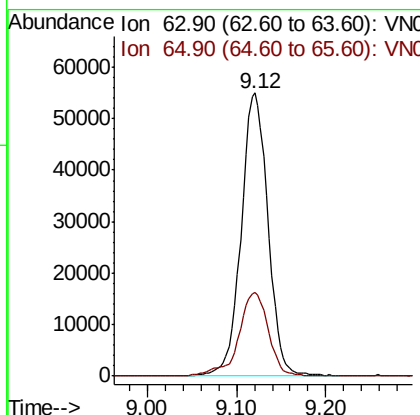
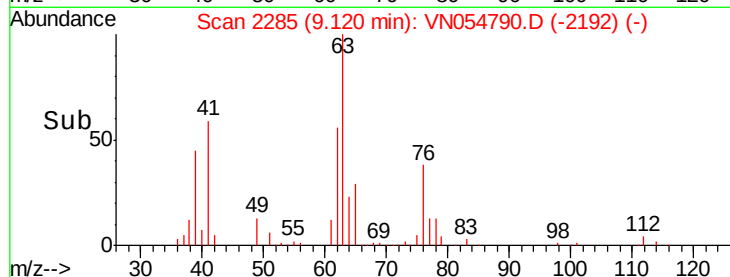
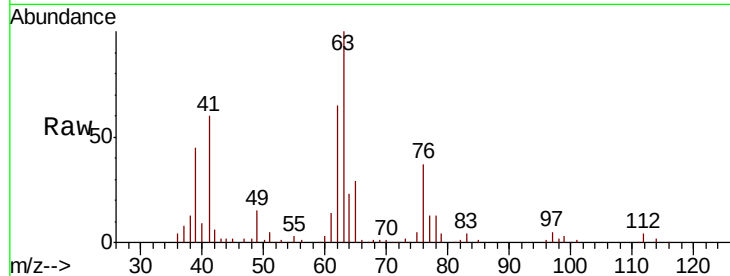
#45
 1,2-Dichloropropane
 Concen: 21.143 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion: 63 Resp: 114454
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6

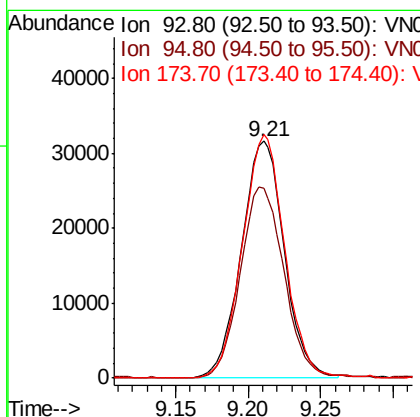
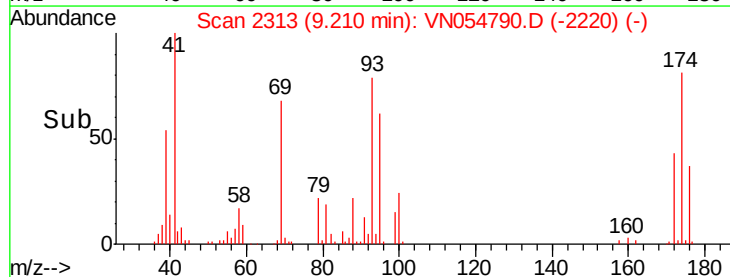
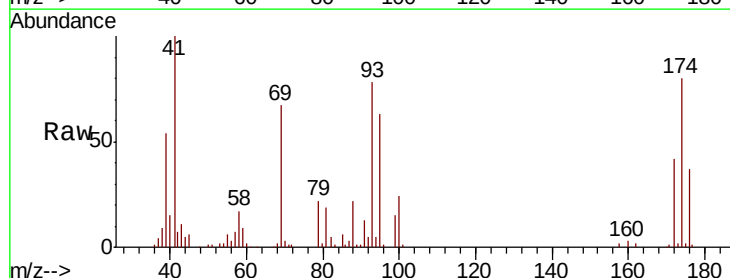
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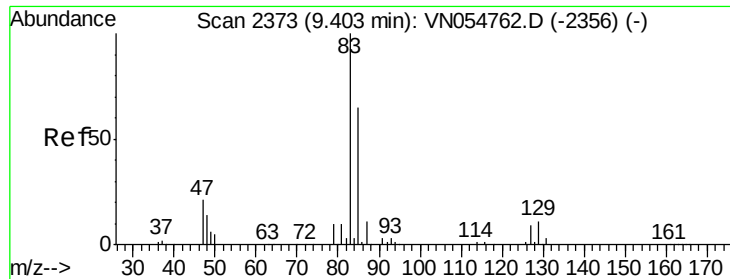
MMDadoda
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#46
 Dibromomethane
 Concen: 21.389 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion: 93 Resp: 65136
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 100.9 98.5 147.7





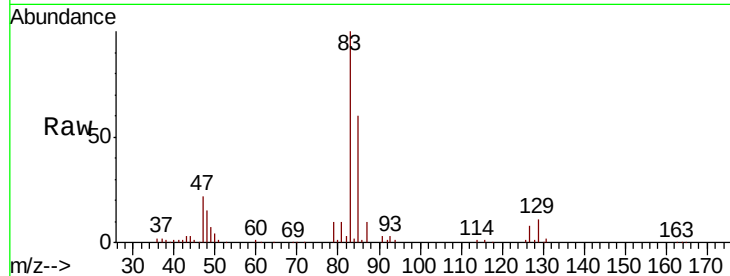
#47
Bromodichloromethane
Concen: 21.199 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

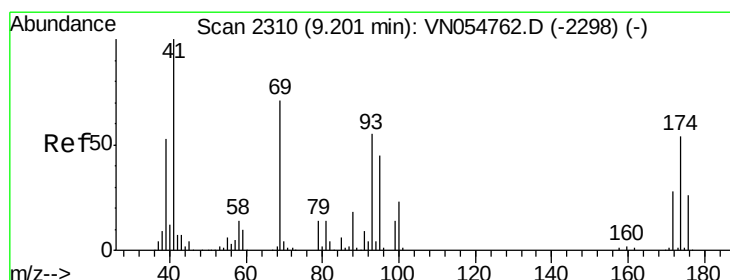
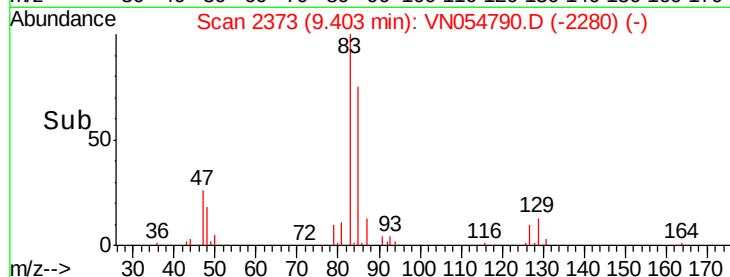
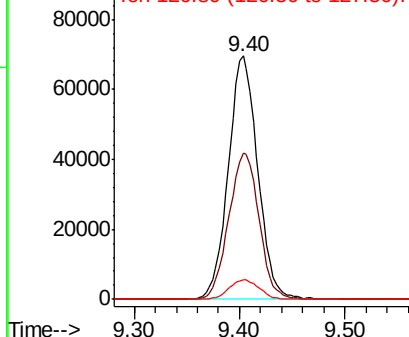
Tot Ion	83	Resp	134164
Ion Ratio	100	Lower	Upper
83	100		
85	60.2	52.8	79.2
127	7.9	7.4	11.2

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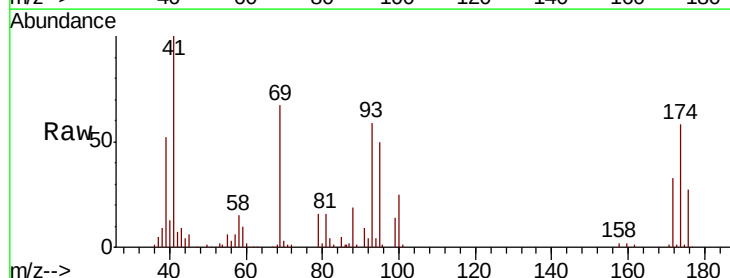


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

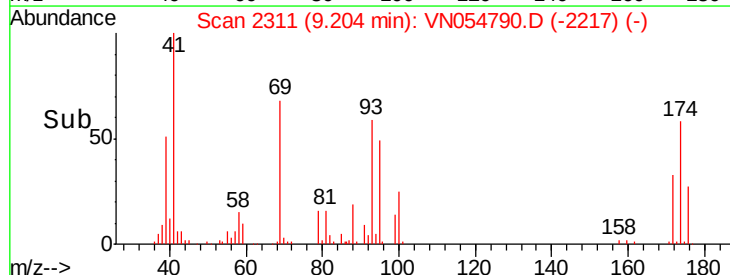
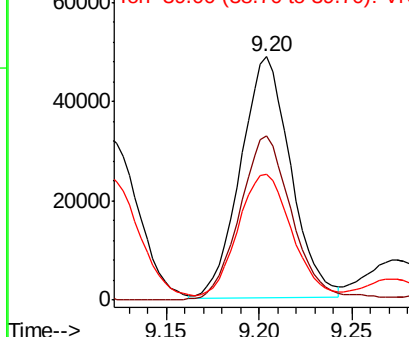


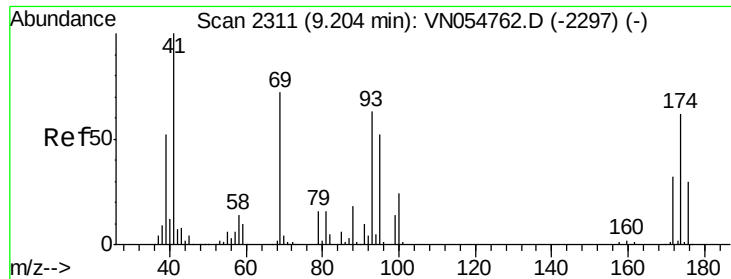
#48
Methyl methacrylate
Concen: 21.354 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	41	Resp	91511
Ion Ratio	100	Lower	Upper
41	100		
69	71.4	72.6	108.8#
39	55.6	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





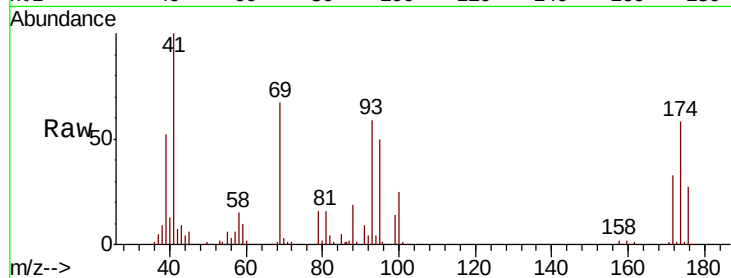
#49
1,4-Dioxane
Concen: 462.232 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

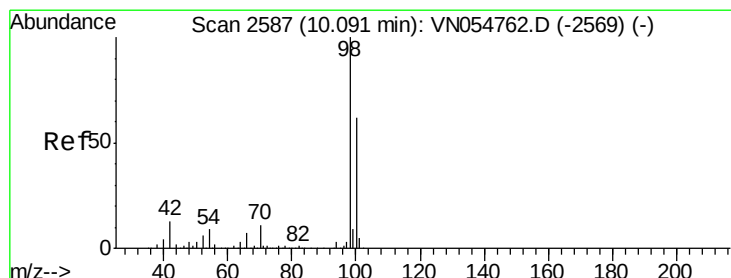
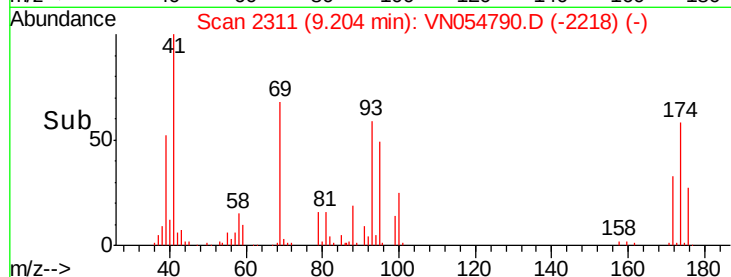
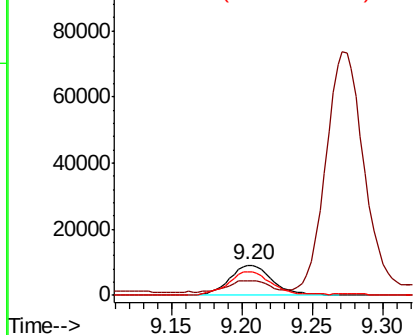
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	24.1	36.1
58	78.7	50.8	76.2

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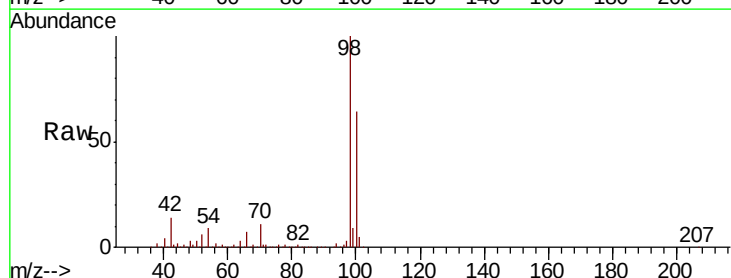


Abundance Ion 88.00 (87.70 to 88.70): VN054790.D (-2218) (-)
Ion 43.00 (42.70 to 43.70): VN054790.D (-2218) (-)
Ion 58.00 (57.70 to 58.70): VN054790.D (-2218) (-)

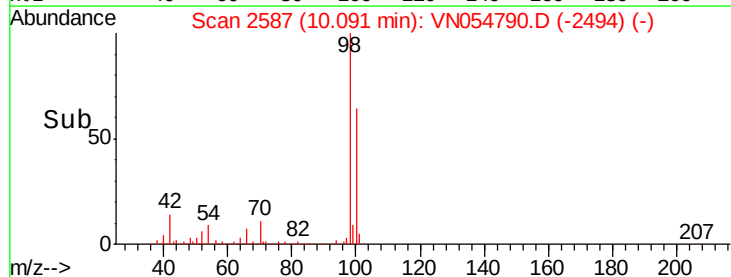
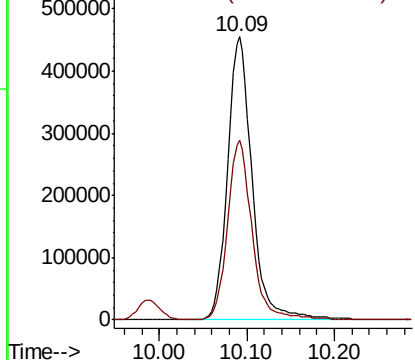


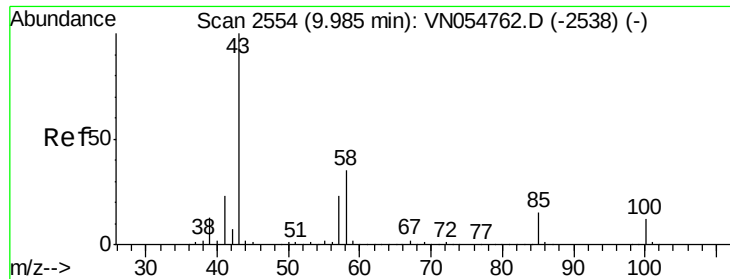
#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054790.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN054790.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 114.030 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 43 Resp: 506843

Ion Ratio Lower Upper

43 100

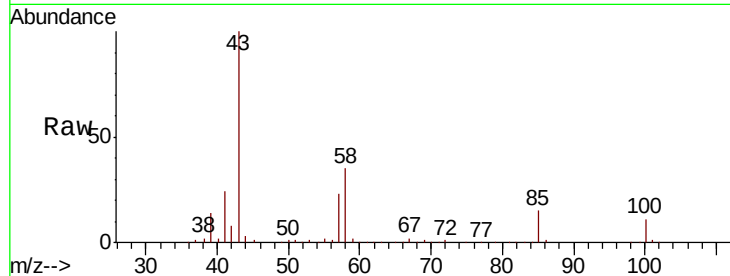
58 35.4 31.8 47.6

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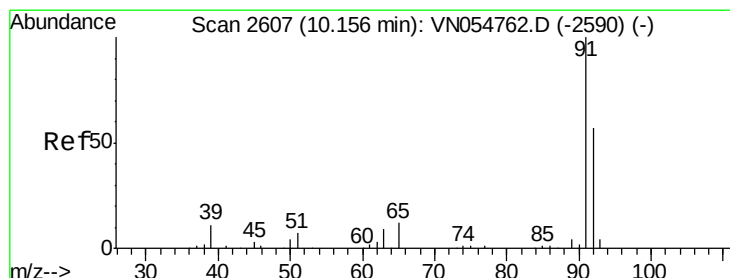
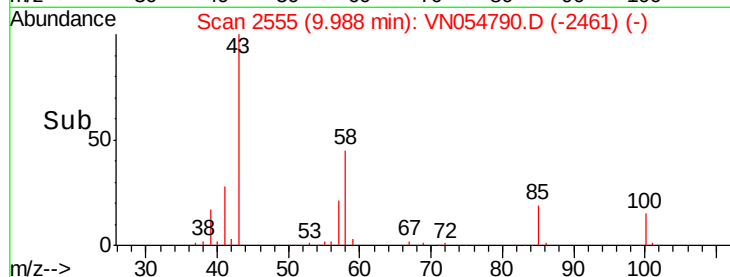
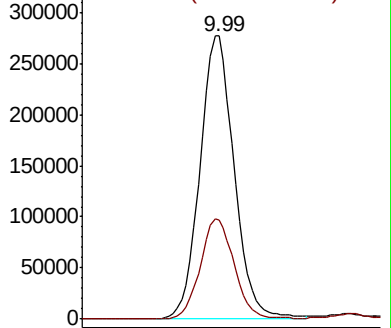
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.565 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054790.D

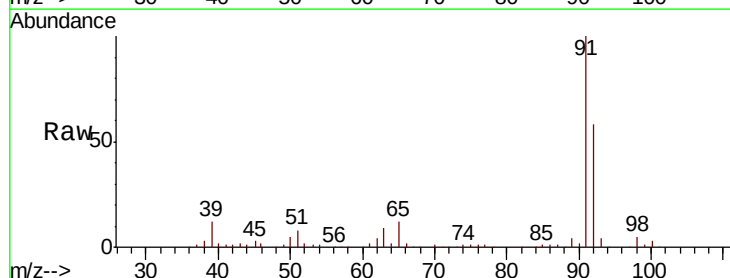
Acq: 30 Mar 2019 00:09

Tgt Ion: 92 Resp: 243618

Ion Ratio Lower Upper

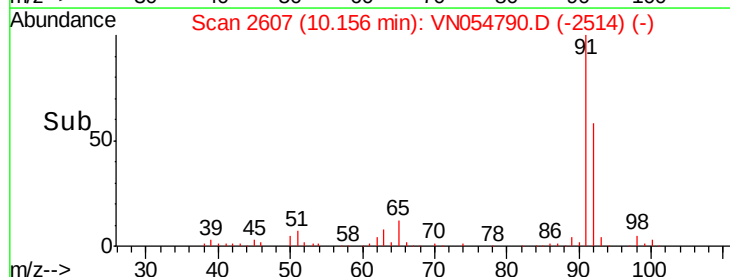
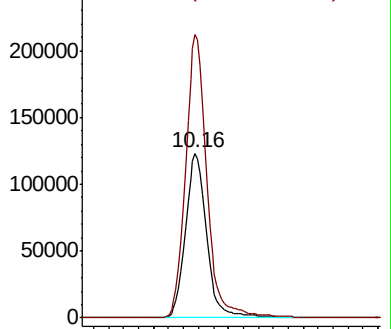
92 100

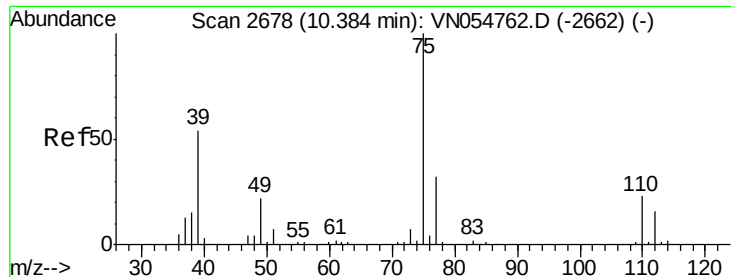
91 171.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





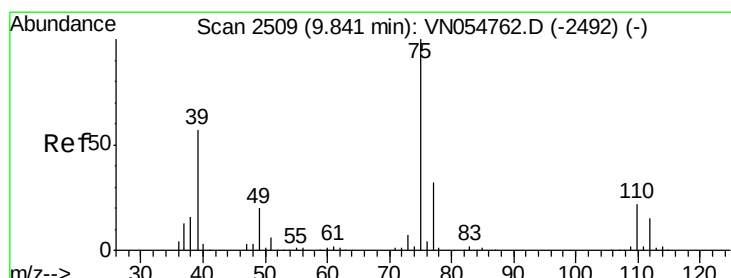
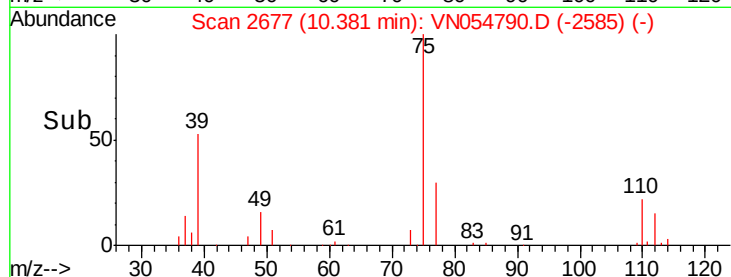
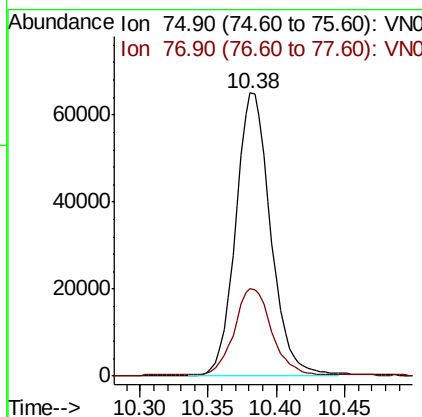
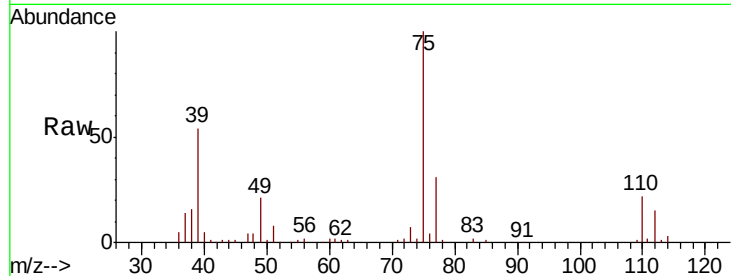
#53
 t-1,3-Dichloropropene
 Concen: 19.457 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0329WBSD01

Tot Ion: 75 Resp: 115833
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.8 38.8

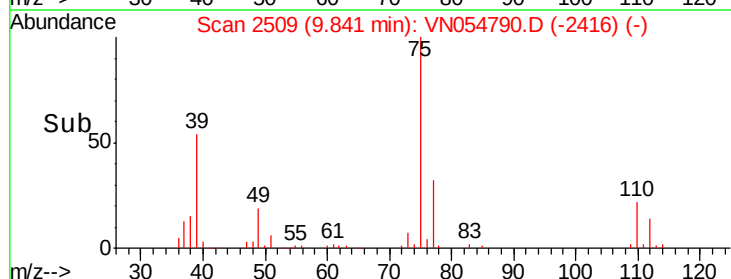
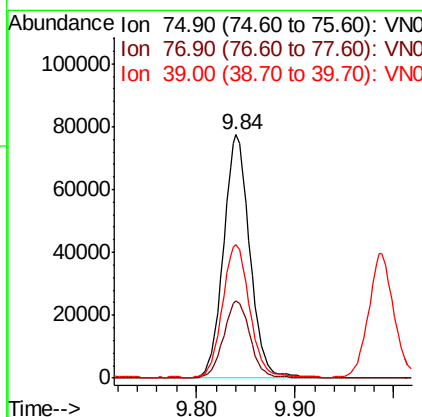
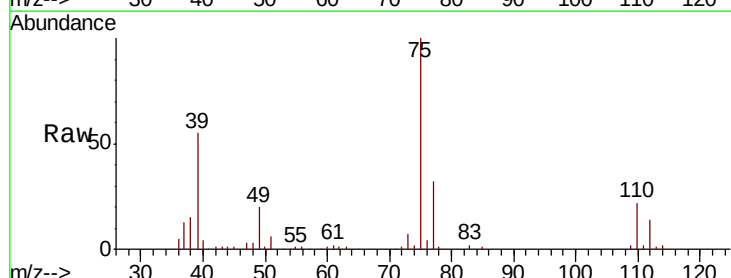
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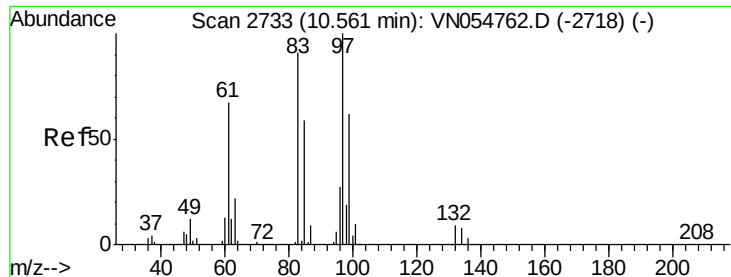
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#54
 cis-1,3-Dichloropropene
 Concen: 20.397 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion: 75 Resp: 145058
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0
 39 54.5 37.2 55.8





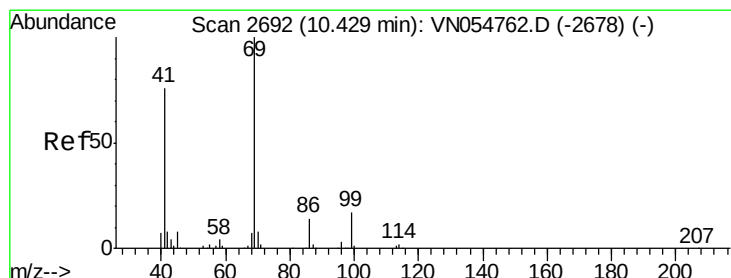
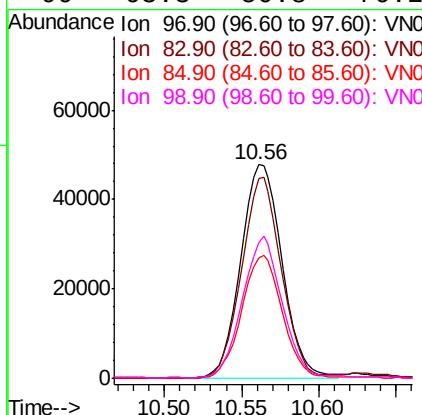
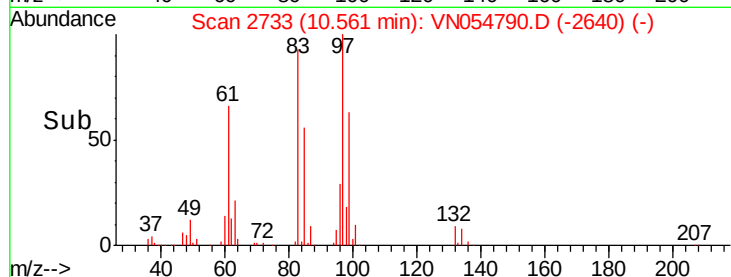
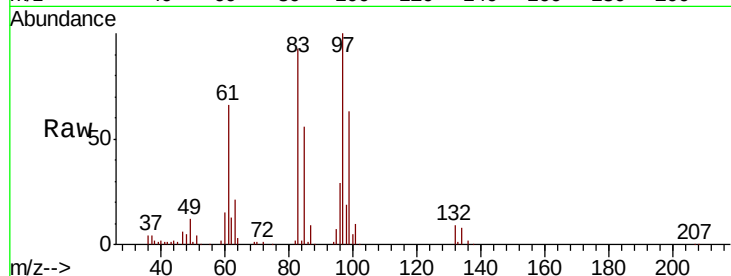
#55
 1,1,2-Trichloroethane
 Concen: 21.207 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion	97	Resp	89081
Ion	Ratio	Lower	Upper
97	100		
83	93.3	66.6	100.0
85	56.3	44.4	66.6
99	63.3	50.8	76.2

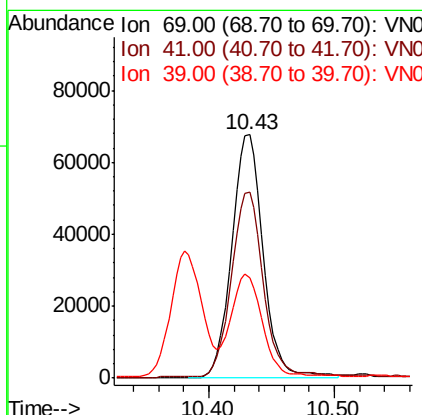
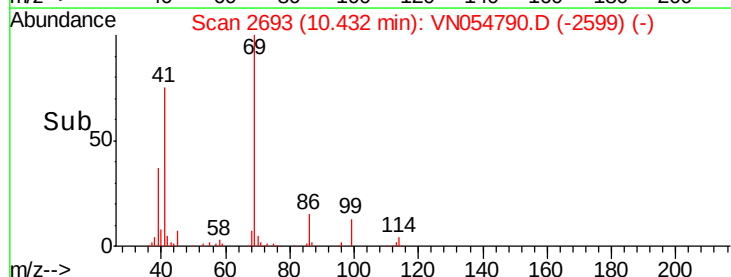
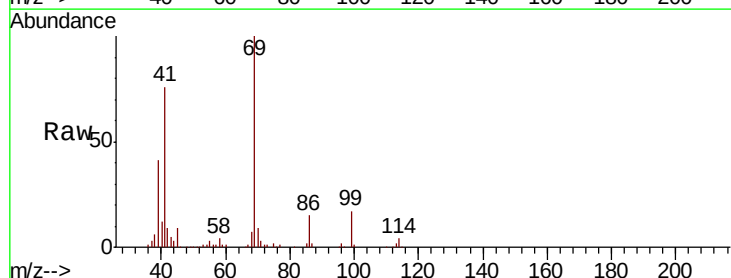
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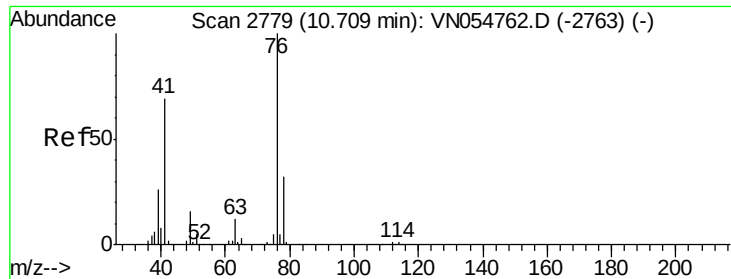
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#56
 Ethyl methacrylate
 Concen: 21.452 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	69	Resp	118206
Ion	Ratio	Lower	Upper
69	100		
41	77.1	49.4	74.2#
39	41.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.570 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 76 Resp: 155768

Ion Ratio Lower Upper

76 100

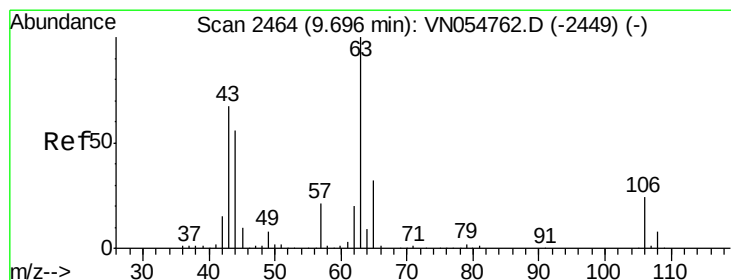
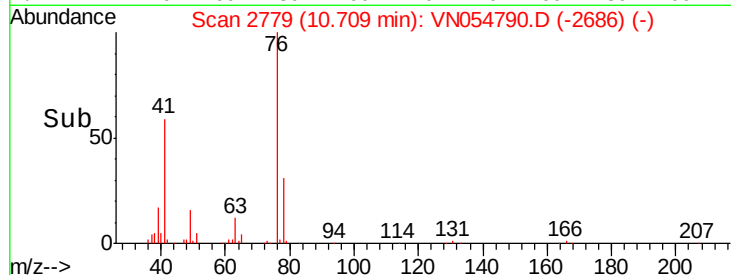
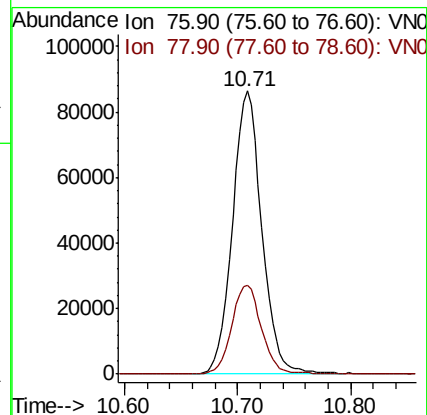
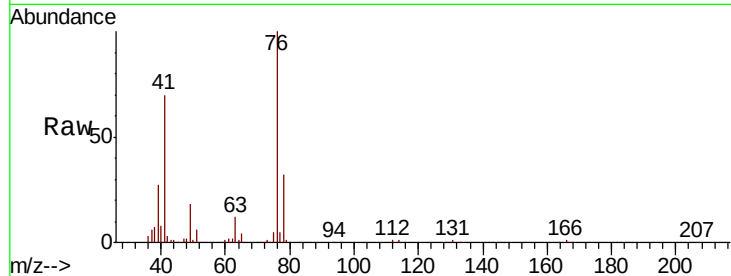
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.075 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054790.D

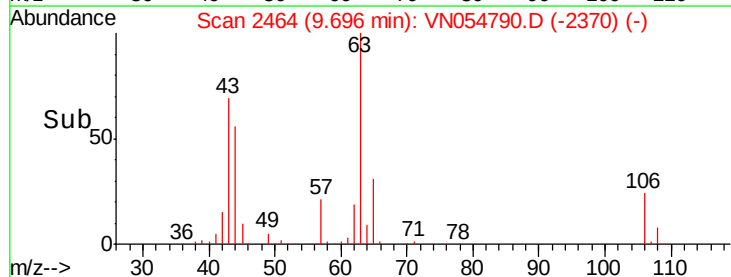
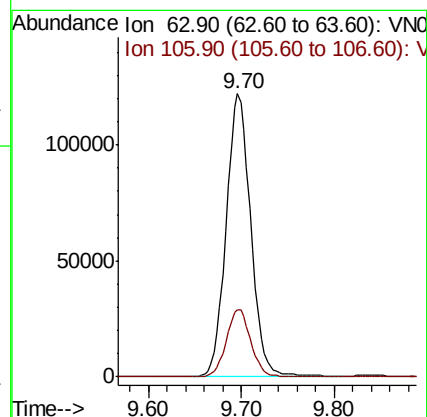
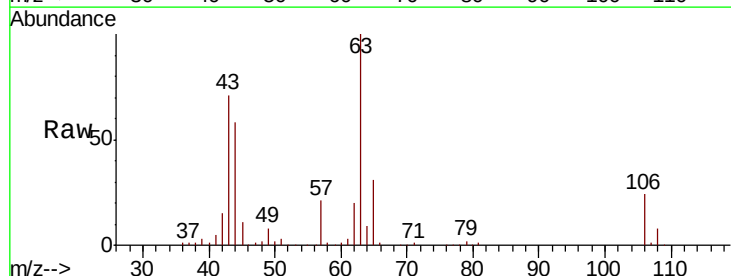
Acq: 30 Mar 2019 00:09

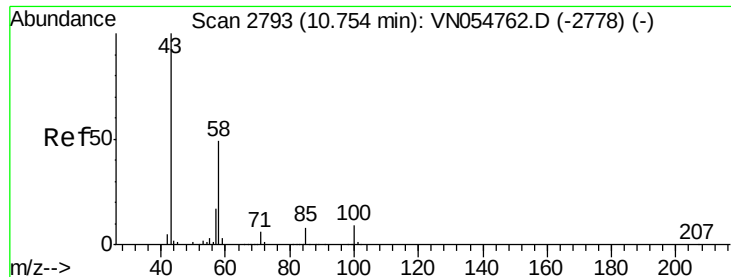
Tgt Ion: 63 Resp: 224638

Ion Ratio Lower Upper

63 100

106 23.6 24.4 36.6#





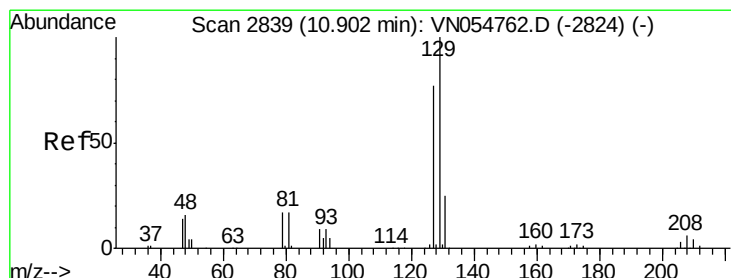
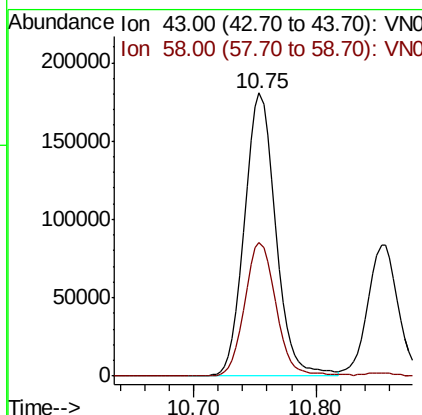
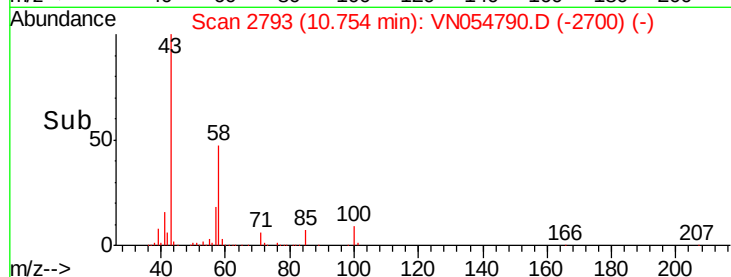
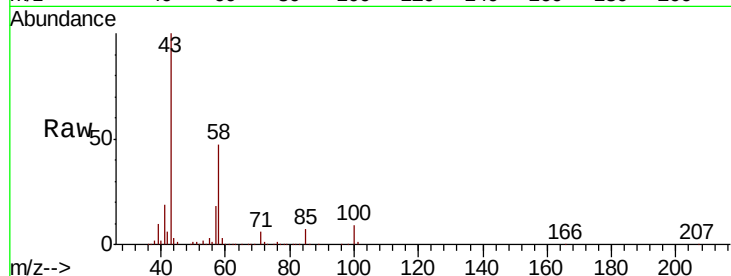
#59
2-Hexanone
Concen: 110.765 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion: 43 Resp: 315171
Ion Ratio Lower Upper
43 100
58 47.9 28.0 83.9

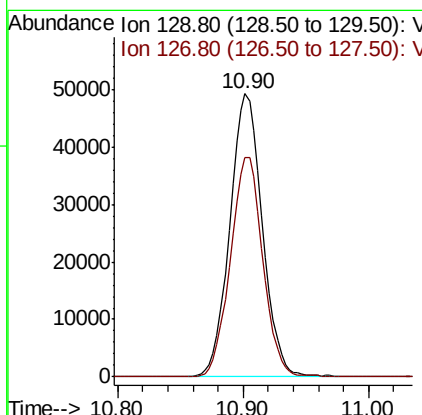
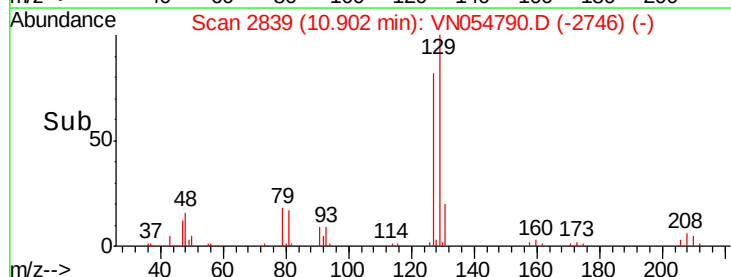
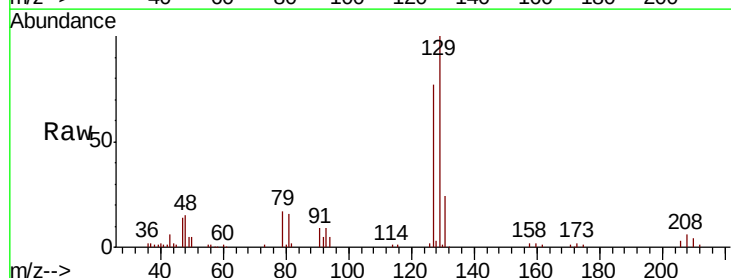
Manual Integrations
APPROVED

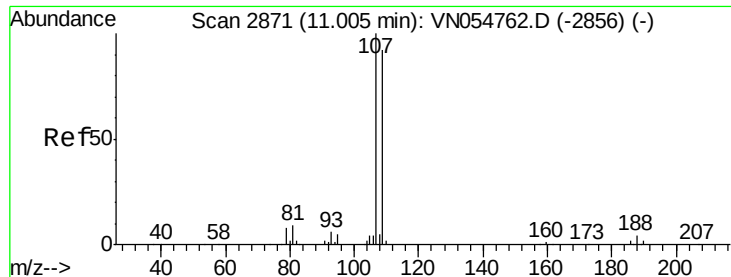
MMDadoda
4/1/2019 3:58:58 PM



#60
Dibromochloromethane
Concen: 20.767 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion: 129 Resp: 88364
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.385 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampled :

VN0329WBSD01

Tot Ion: 107 Resp: 85843

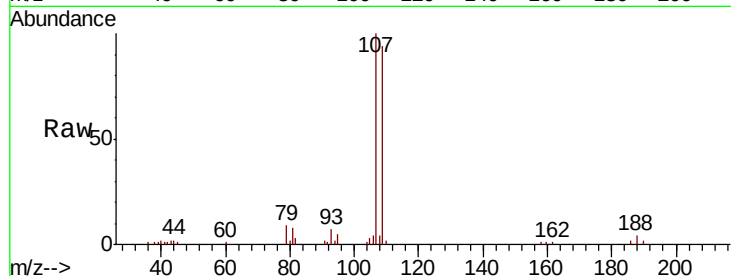
Ion Ratio Lower Upper

107 100

109 95.4 75.9 113.9

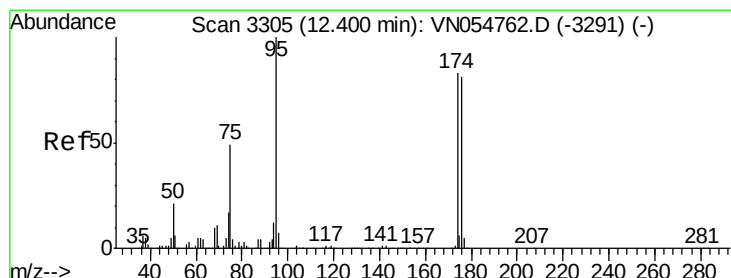
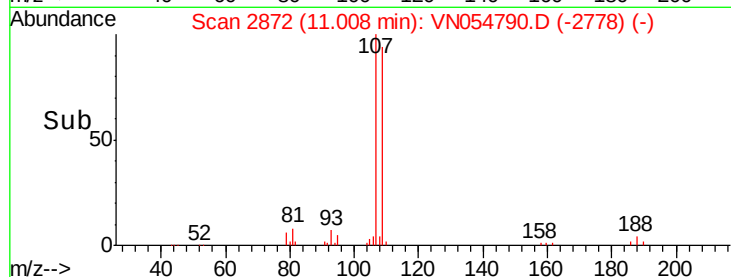
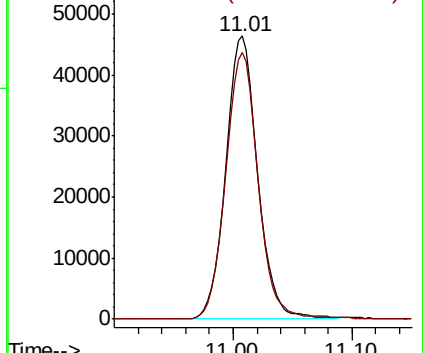
Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:58:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.764 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

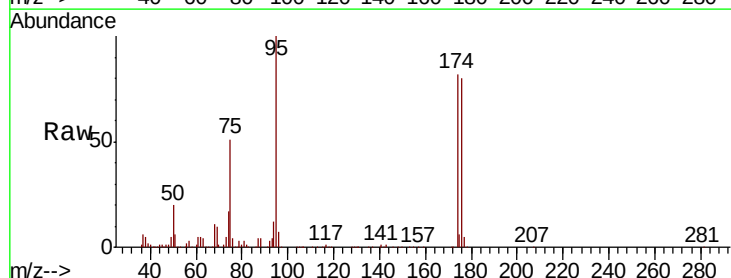
Tgt Ion: 95 Resp: 292092

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

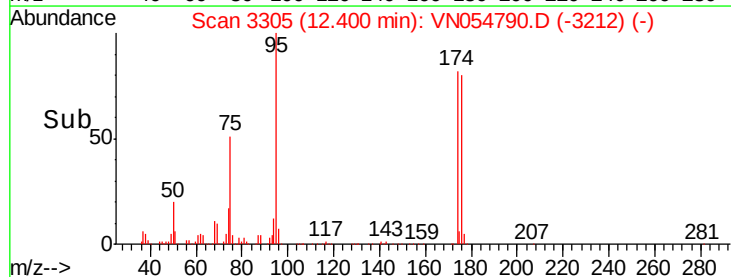
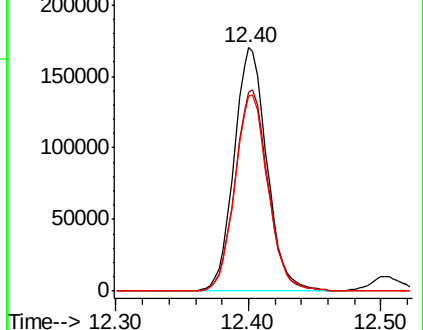
176 81.5 0.0 187.4

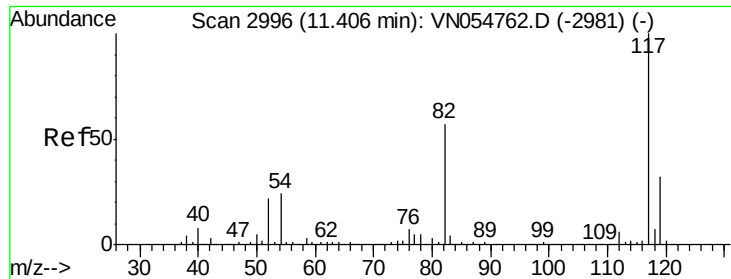


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





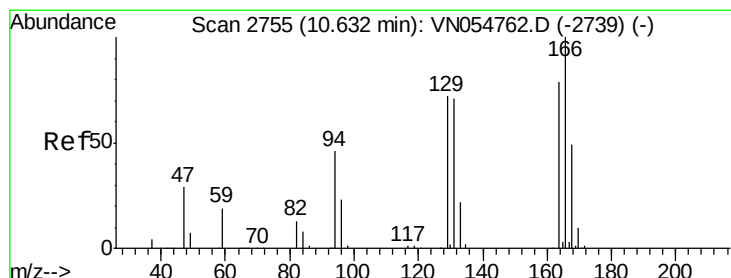
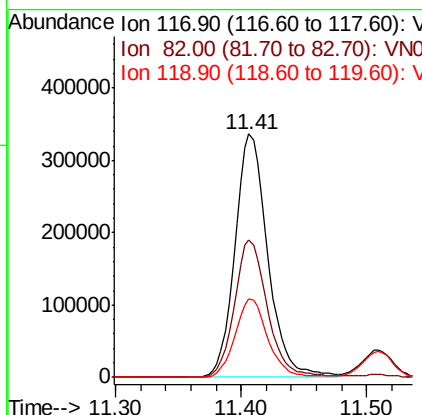
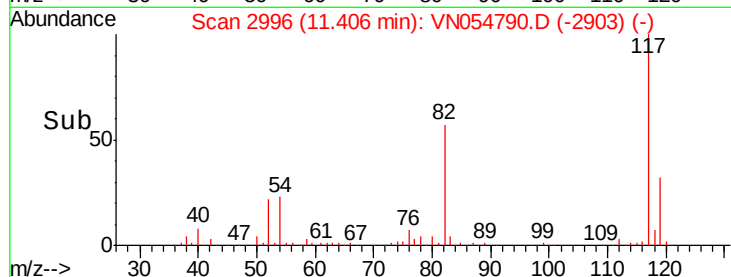
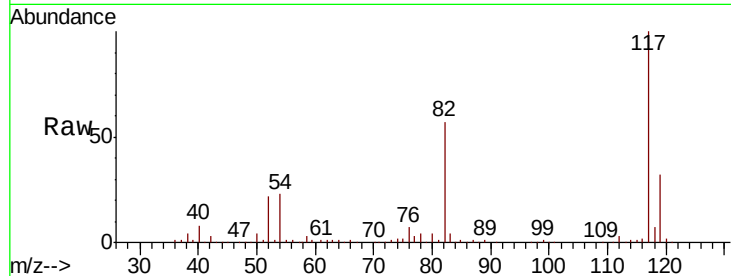
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	40.0	60.0
119	32.0	25.8	38.6

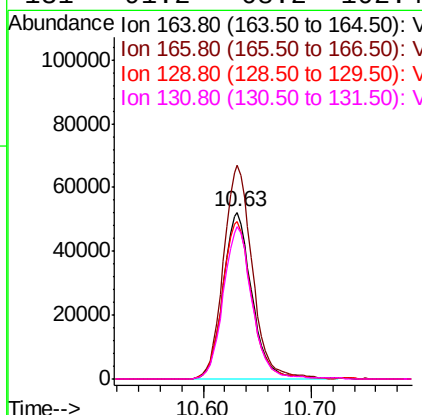
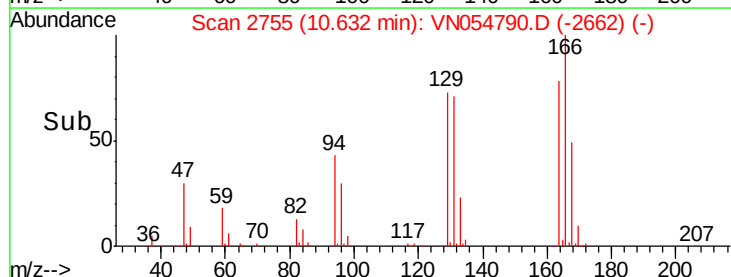
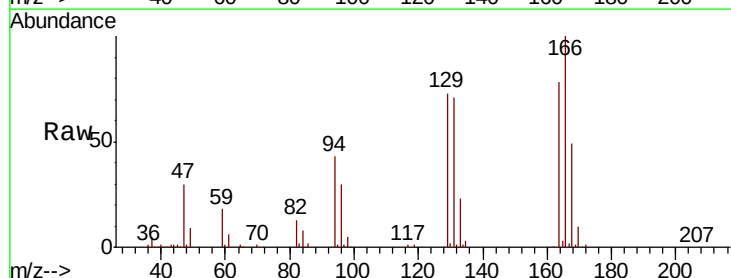
Manual Integrations
APPROVED

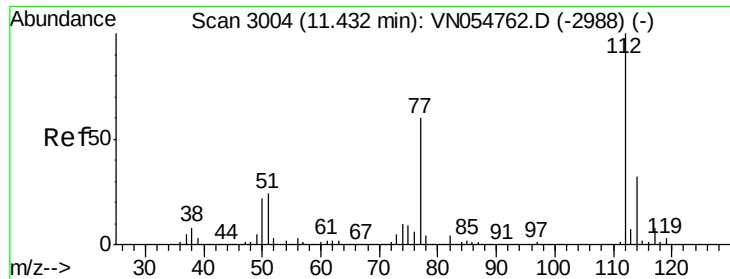
MMDadoda
4/1/2019 3:58:58 PM



#64
Tetrachloroethene
Concen: 20.722 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.9	155.9
129	94.3	71.1	106.7
131	91.2	68.2	102.4





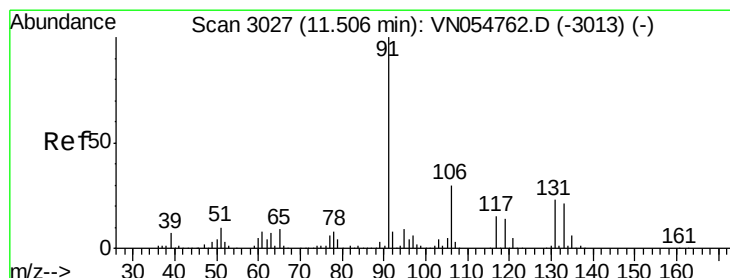
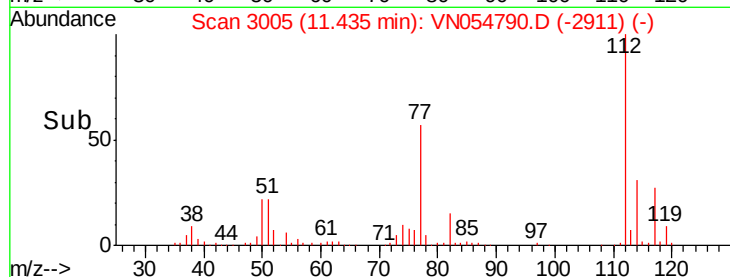
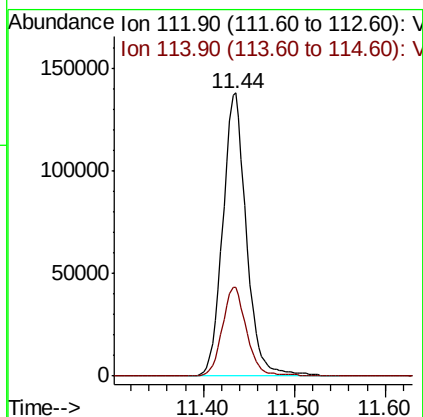
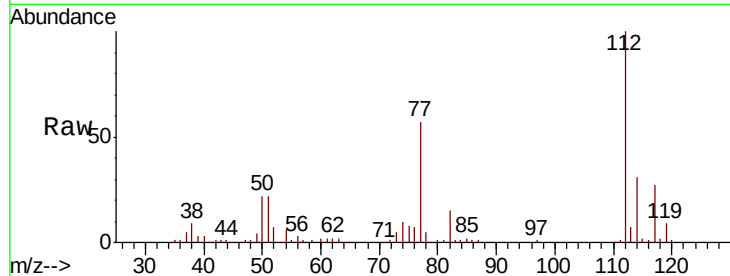
#65
Chlorobenzene
Concen: 20.814 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion:112 Resp: 248908
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9

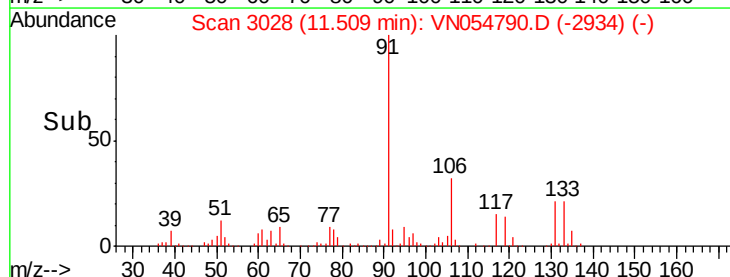
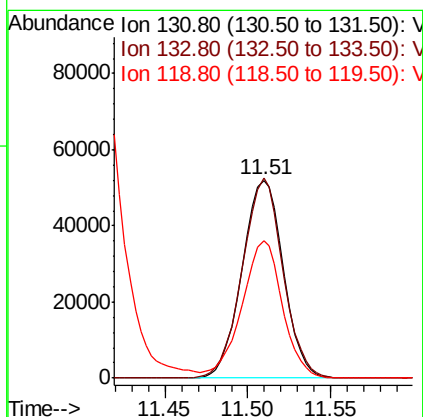
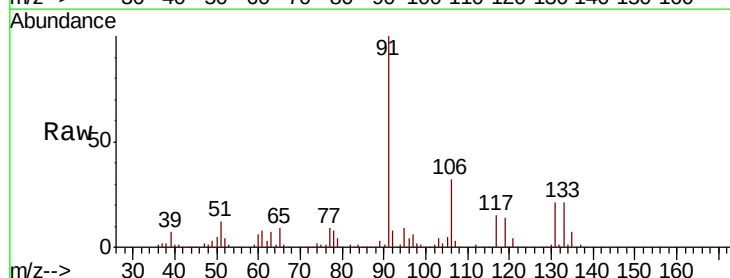
Manual Integrations
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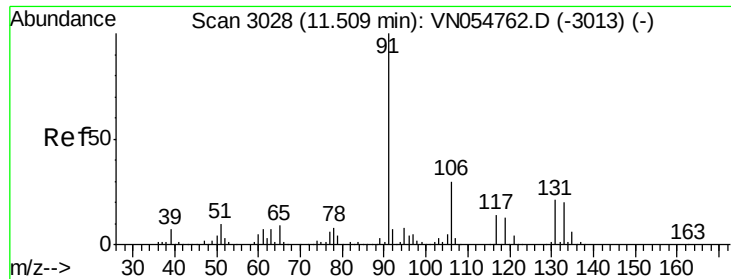
MMDadoda
4/1/2019 3:58:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.118 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion:131 Resp: 90050
Ion Ratio Lower Upper
131 100
133 99.8 47.6 142.9
119 68.4 32.4 97.0





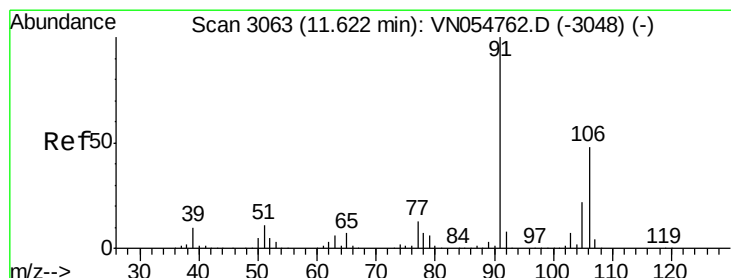
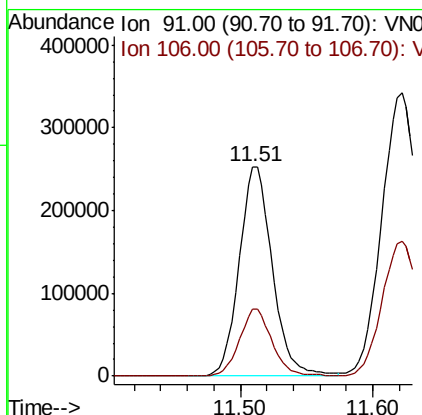
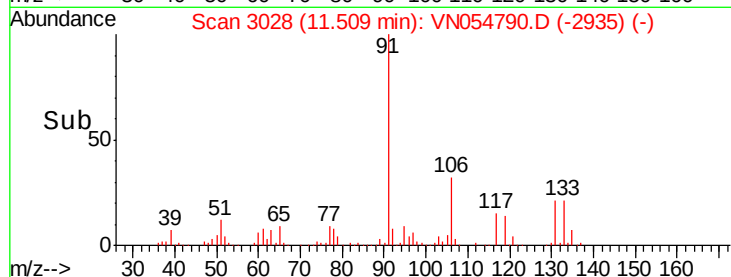
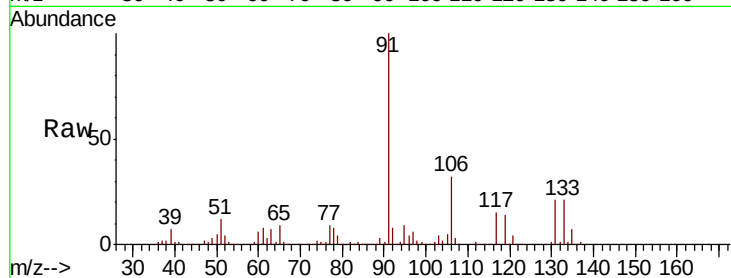
#67
Ethyl Benzene
Concen: 20.386 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampled :
VN0329WBSD01

Tot Ion: 91 Resp: 439934
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3

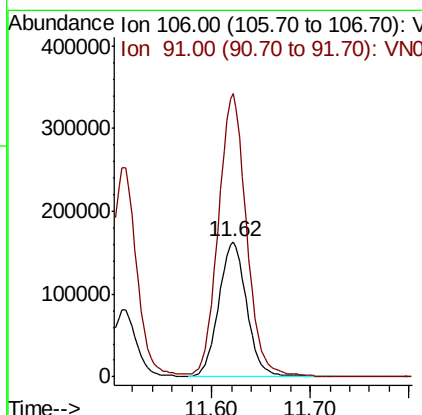
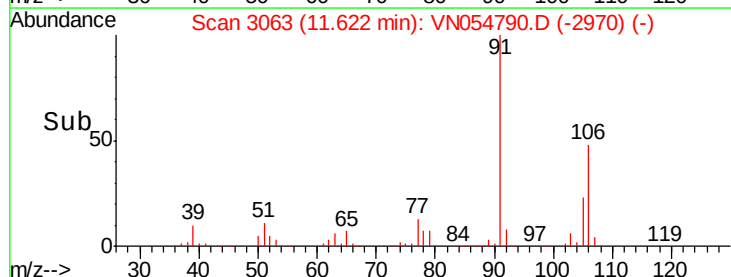
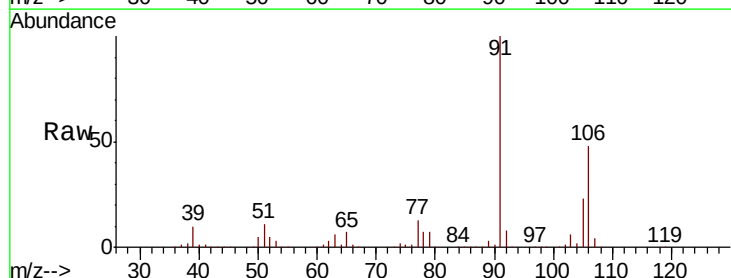
Manual Integrations
APPROVED

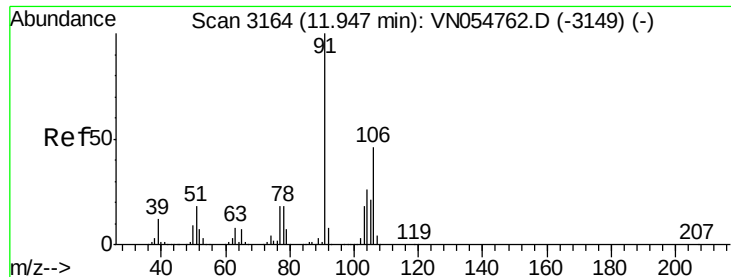
MMDadoda
4/1/2019 3:58:58 PM



#68
m/p-Xylenes
Concen: 40.821 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion: 106 Resp: 325996
Ion Ratio Lower Upper
106 100
91 210.2 159.4 239.2





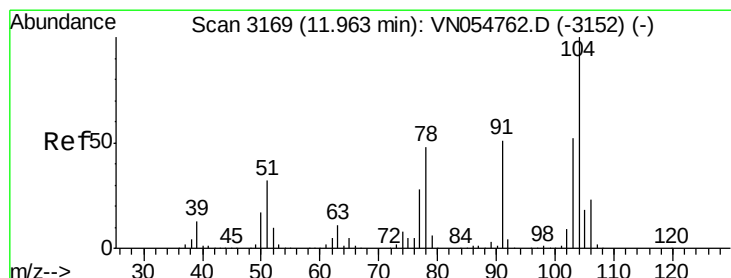
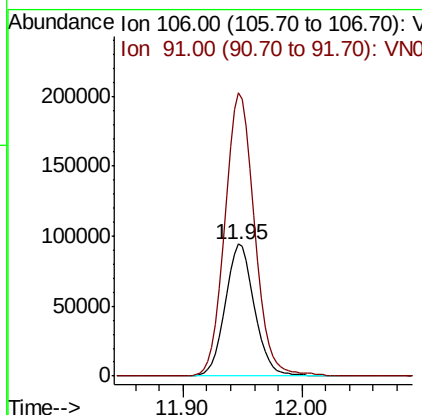
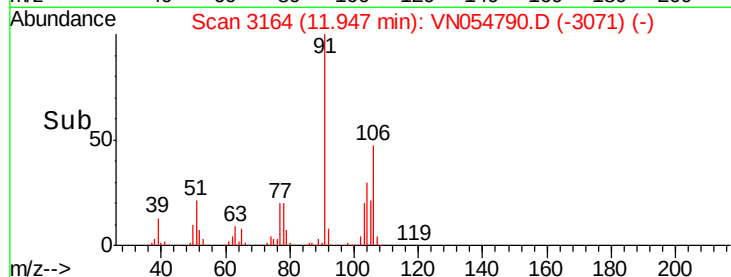
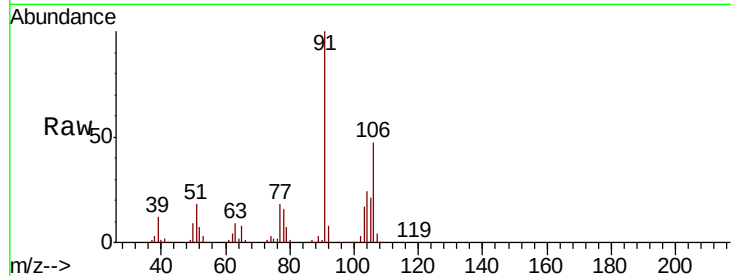
#69
o-Xylene
Concen: 20.482 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampled :
VN0329WBSD01

Tot Ion:106 Resp: 160400
Ion Ratio Lower Upper
106 100
91 218.0 105.7 317.1

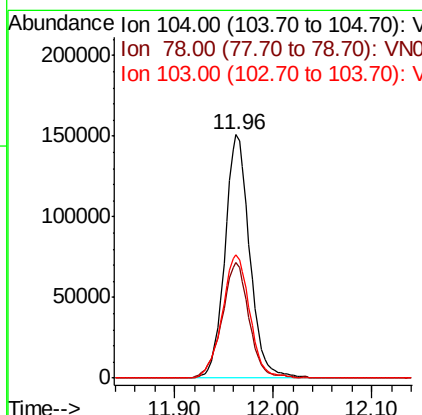
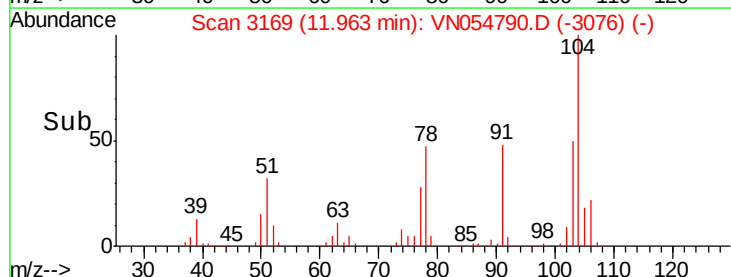
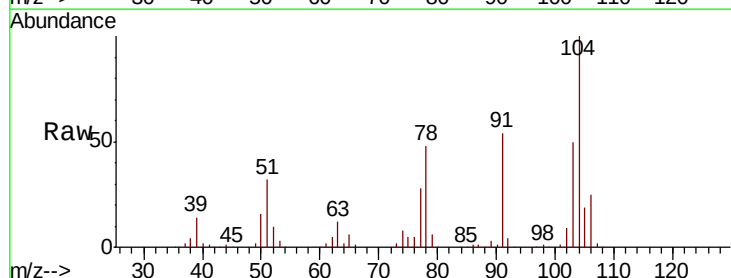
Manual Integrations
APPROVED

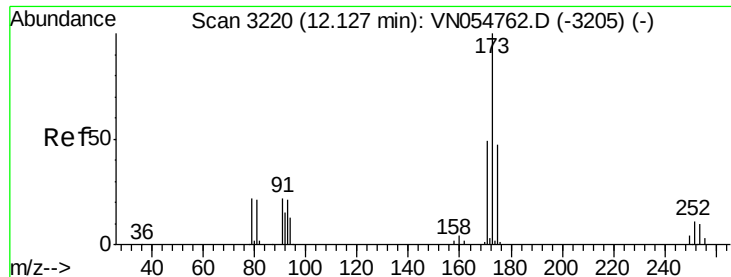
MMDadoda
4/1/2019 3:58:58 PM



#70
Styrene
Concen: 21.203 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion:104 Resp: 265488
Ion Ratio Lower Upper
104 100
78 51.6 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 20.000 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

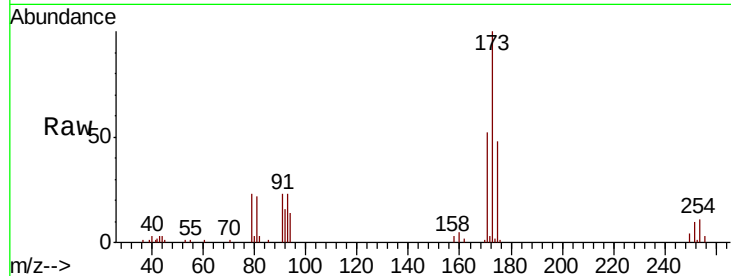
ClientSampleId :

VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:58:58 PM

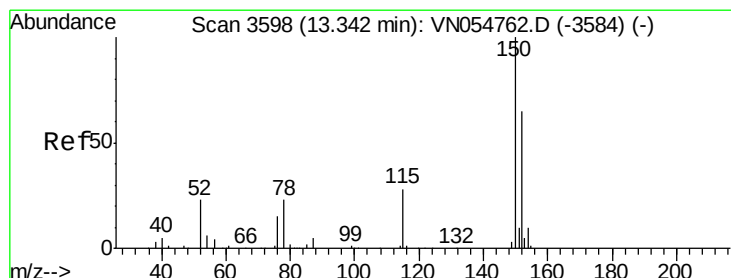
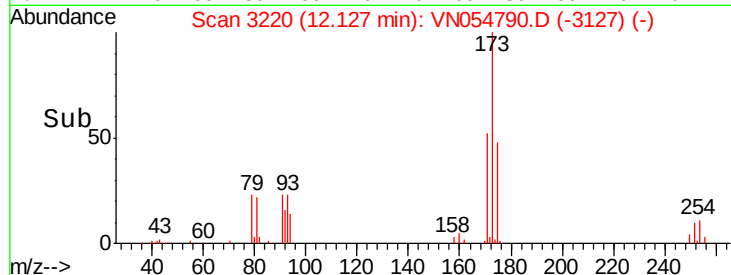
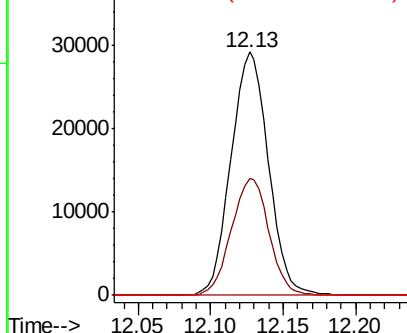


Abundance

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: VN054790.D

Acq: 30 Mar 2019 00:09

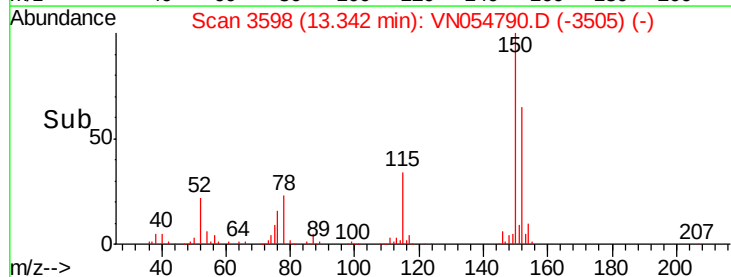
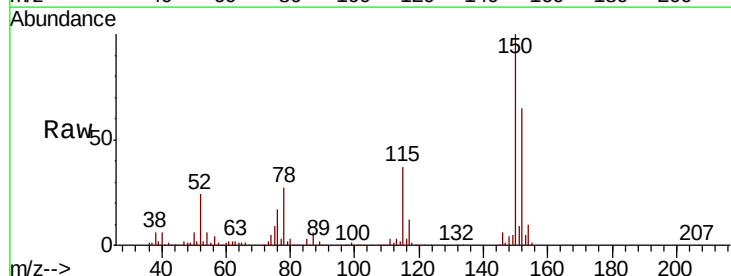
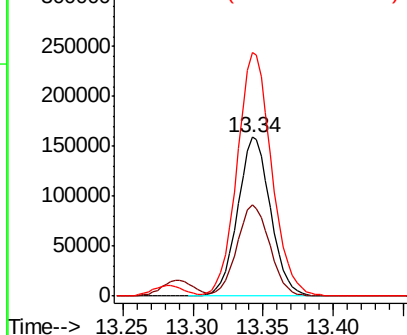
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.2	81.6
150	160.9	0.0	349.2

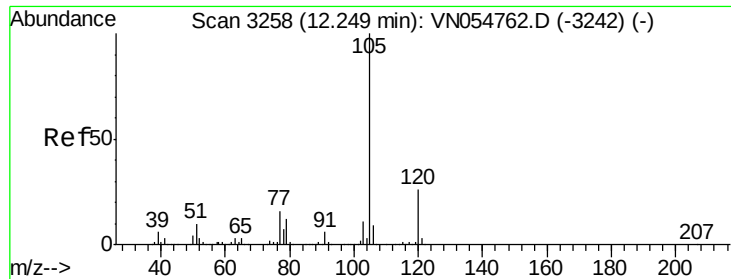
Abundance

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: 20.211 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBSD01

Tot Ion: 105 Resp: 429510

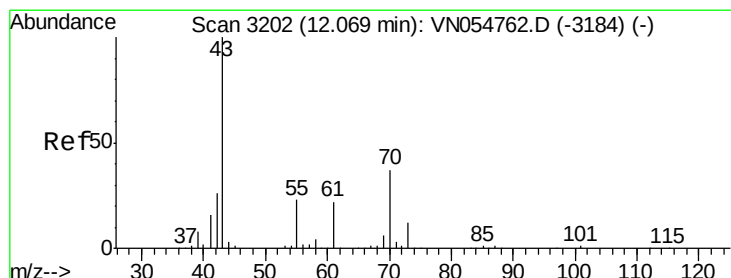
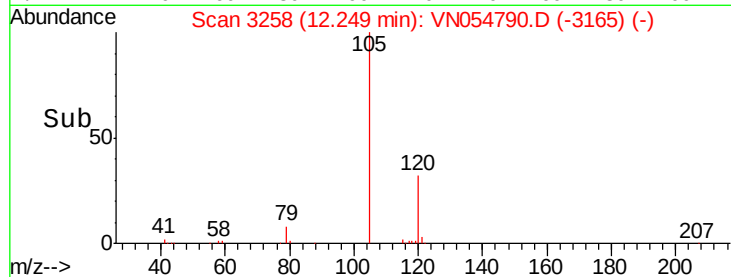
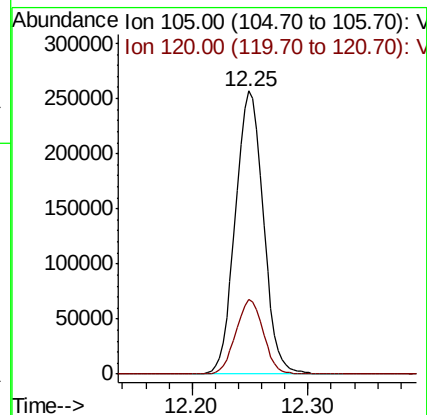
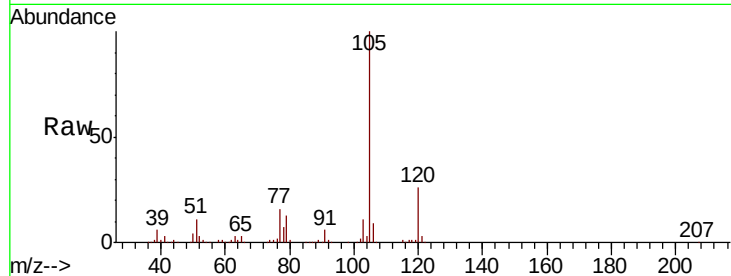
Ion Ratio Lower Upper

105 100

120 25.9 13.8 41.3

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:58:58 PM



#74

N-ethyl acetate

Concen: 21.457 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion: 43 Resp: 142062

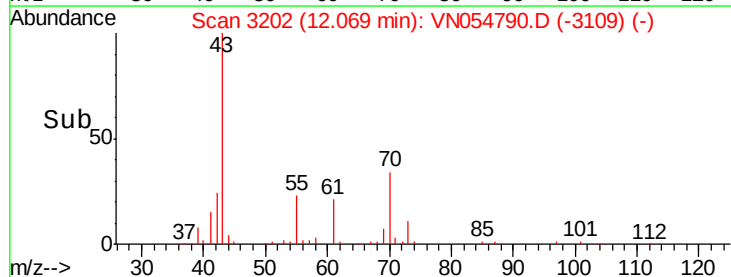
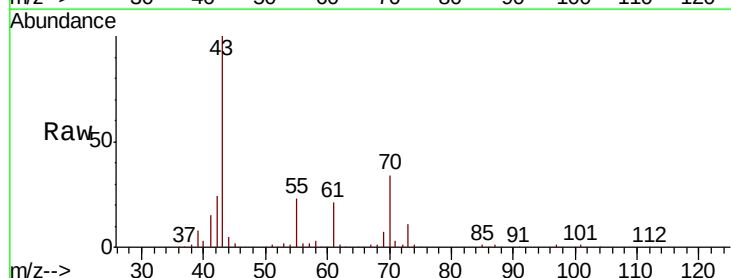
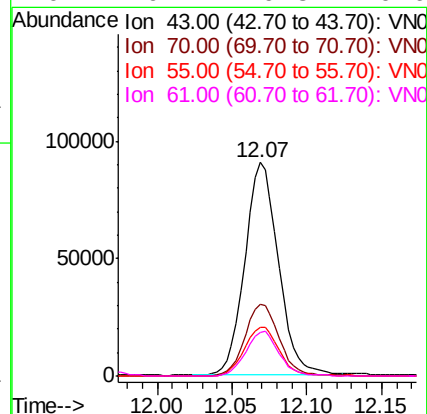
Ion Ratio Lower Upper

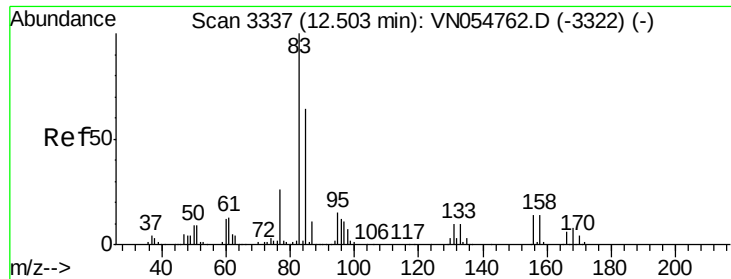
43 100

70 34.5 35.4 53.0#

55 23.8 19.8 29.6

61 20.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.563 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

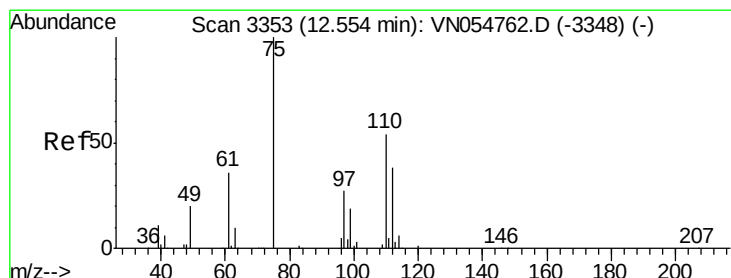
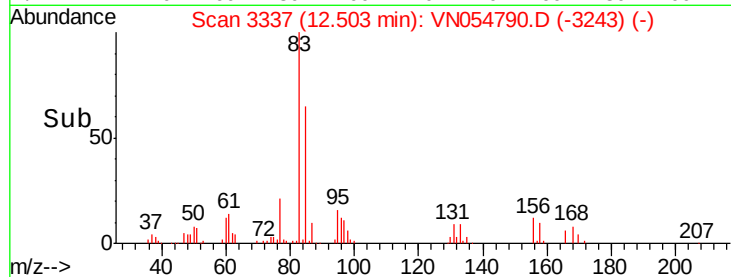
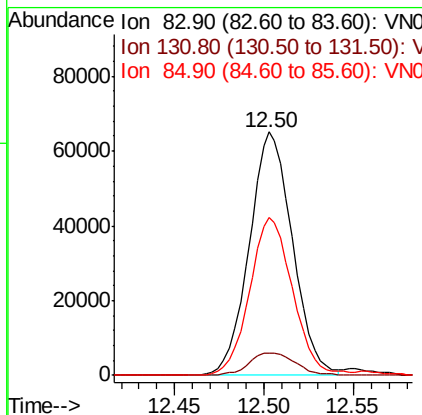
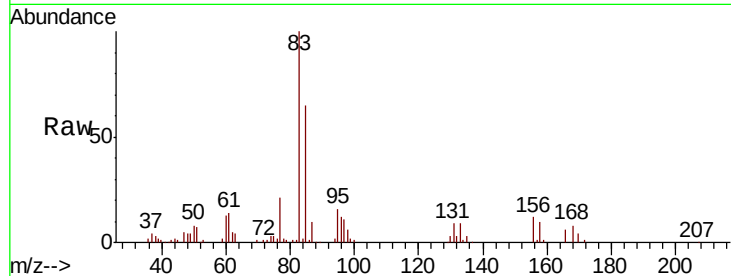
ClientSampleId :

VN0329WBSD01

Tot Ion:	83	Resp:	110104
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 21.939 ug/l m

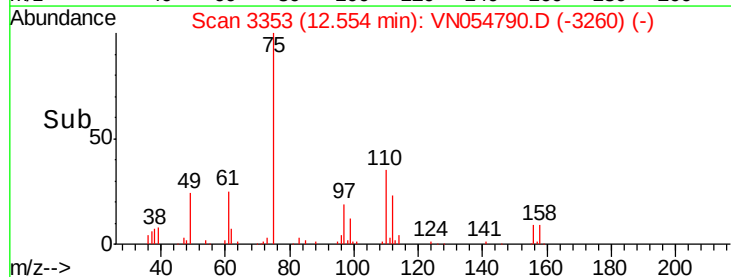
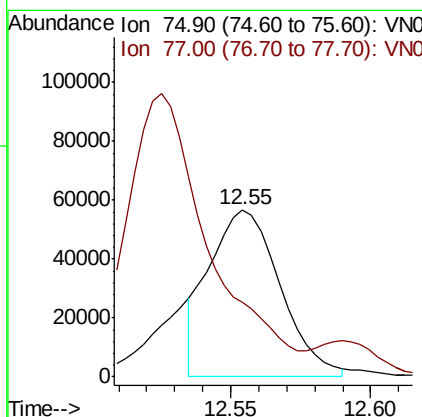
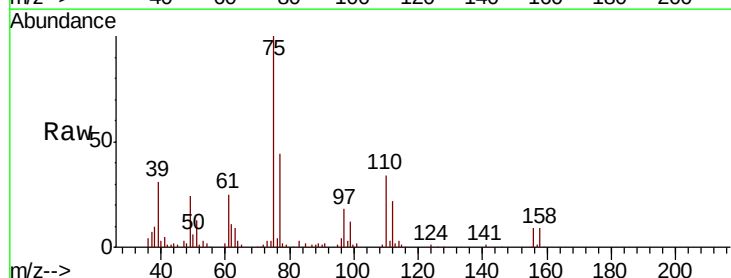
RT: 12.55 min Scan# 3353

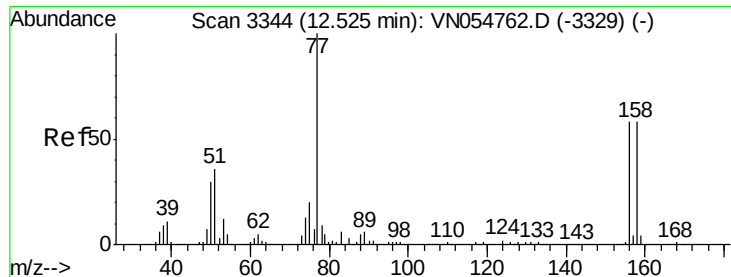
Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	75	Resp:	99093
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.640 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

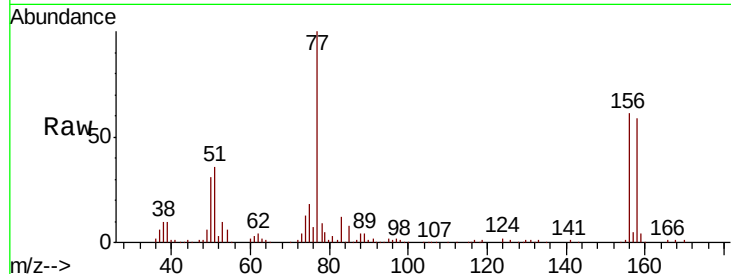
ClientSampled :

VN0329WBSD01

Tot Ion:	156	Resp:	105863
Ion	Ratio	Lower	Upper
156	100		
77	190.2	81.5	244.4
158	96.9	49.0	147.2

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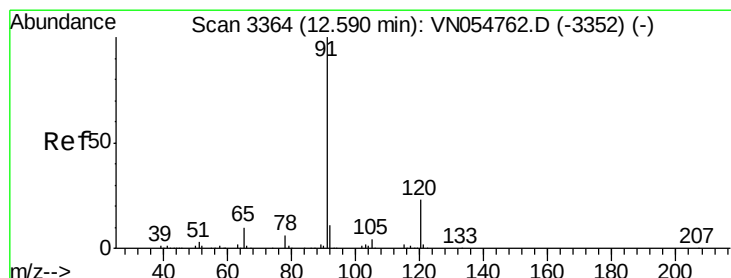
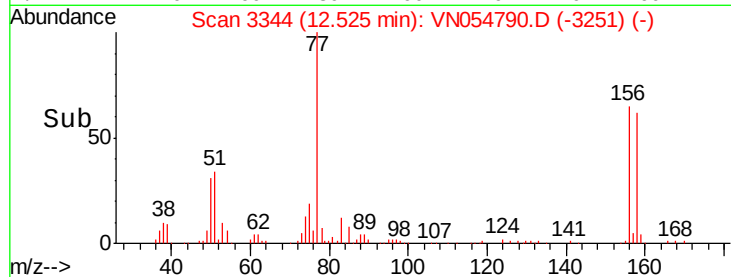
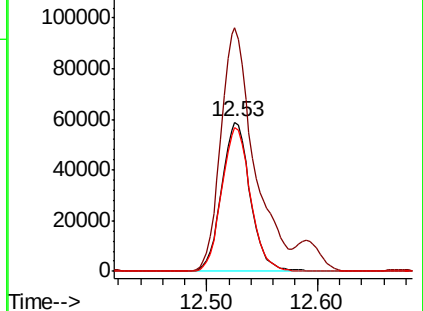
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.052 ug/l

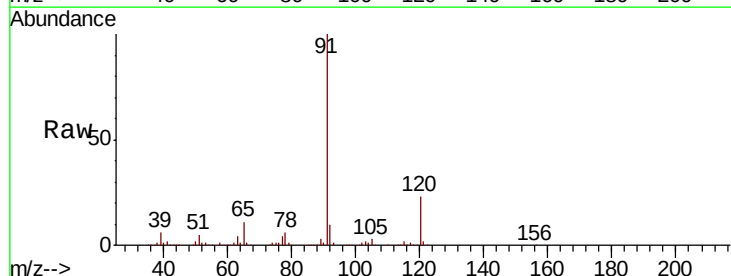
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054790.D

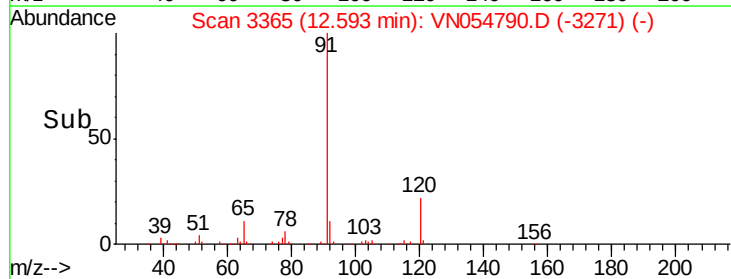
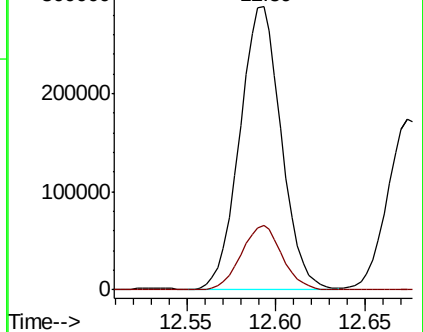
Acq: 30 Mar 2019 00:09

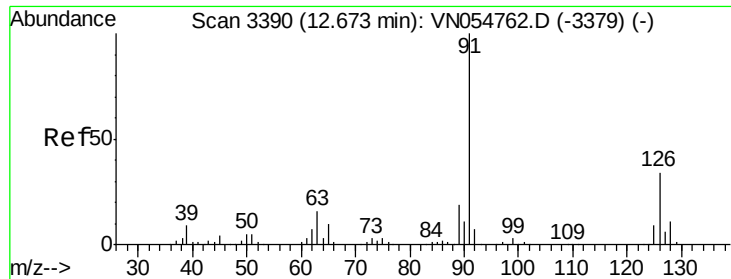
Tgt Ion:	91	Resp:	468358
Ion	Ratio	Lower	Upper
91	100		
120	22.6	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





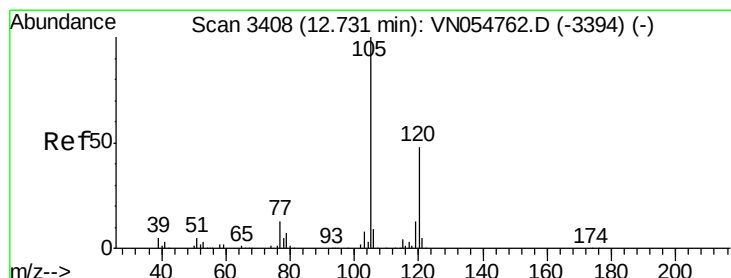
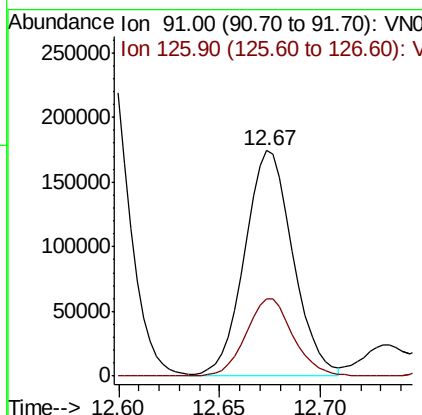
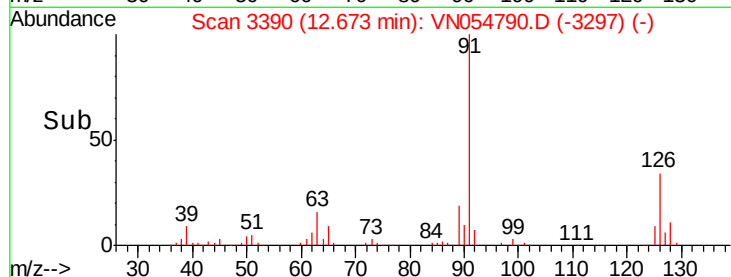
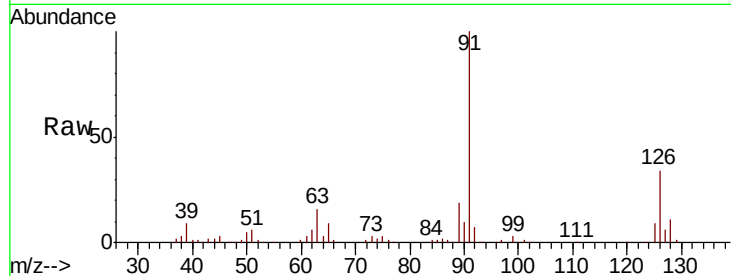
#79
 2-Chlorotoluene
 Concen: 20.093 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0329WBSD01

Tot Ion: 91 Resp: 290356
 Ion Ratio Lower Upper
 91 100
 126 33.9 18.7 56.1

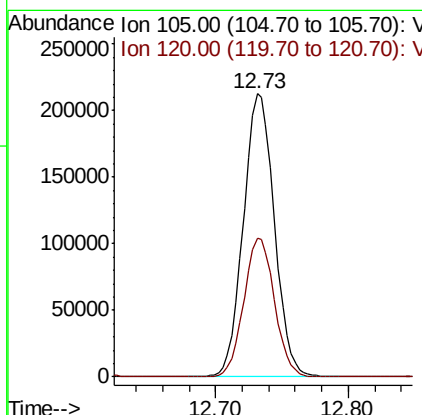
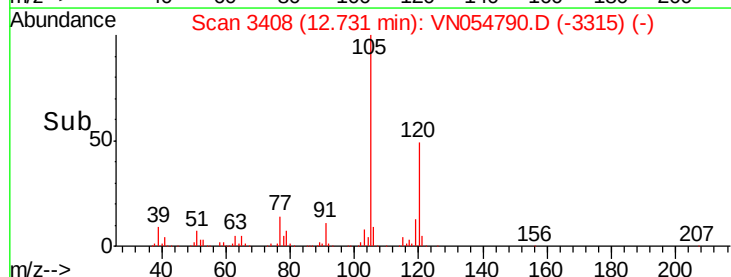
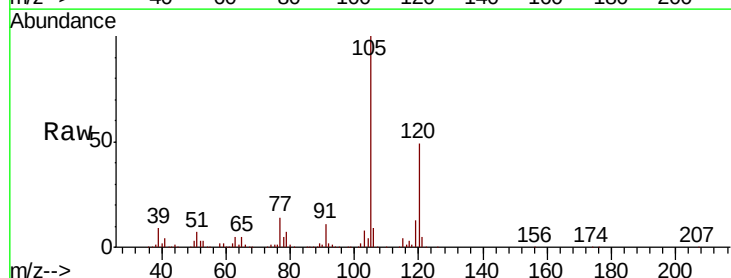
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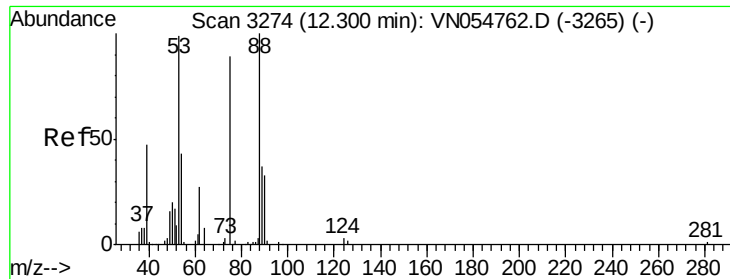
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.796 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion: 105 Resp: 345193
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.0 75.0





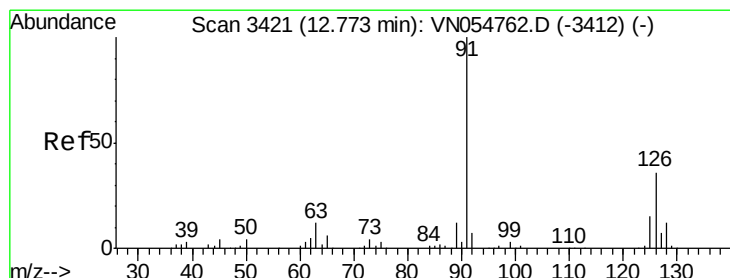
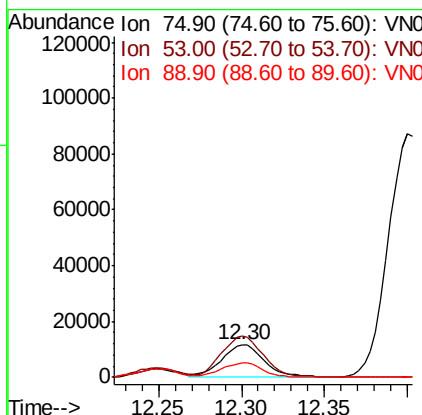
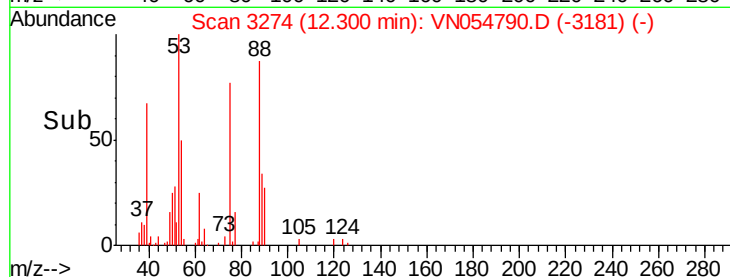
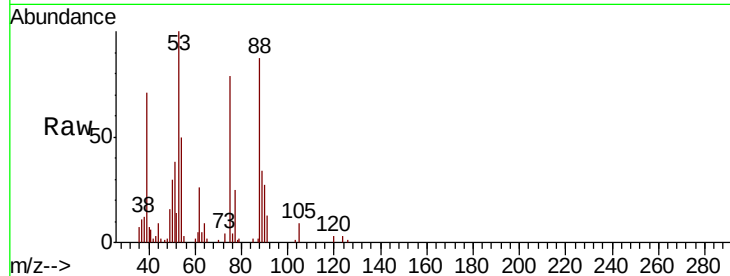
#81
trans-1,4-Dichloro-2-butene
Concen: 17.291 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.9	76.2	114.2#
89	45.9	39.2	58.8

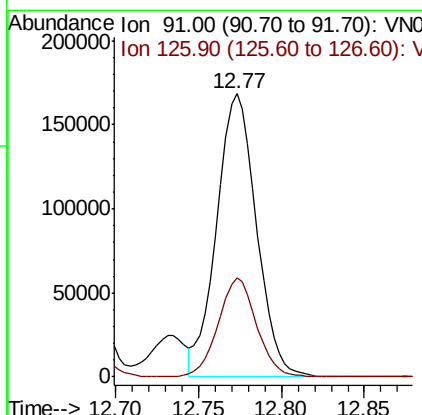
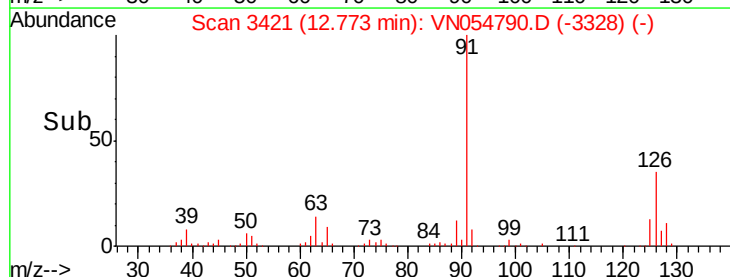
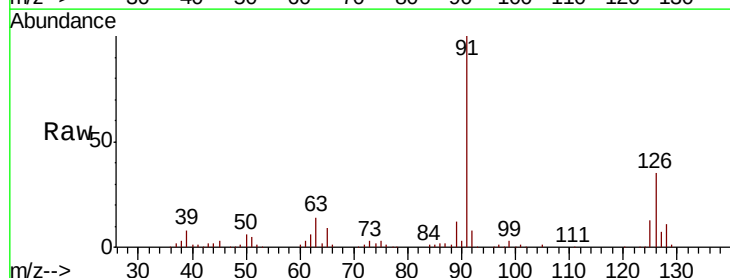
Manual Integrations
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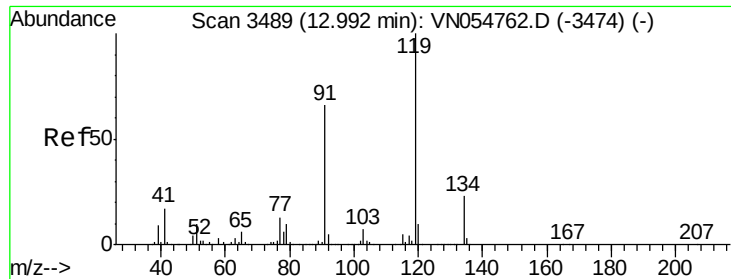
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.953 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.1	54.1





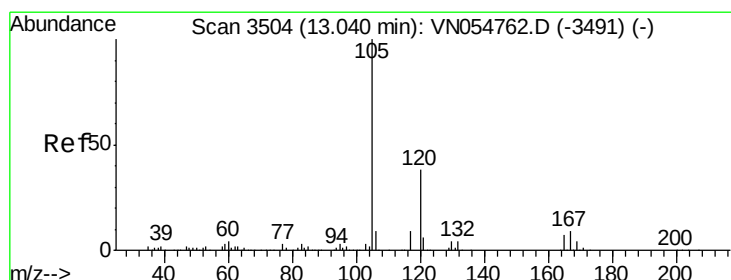
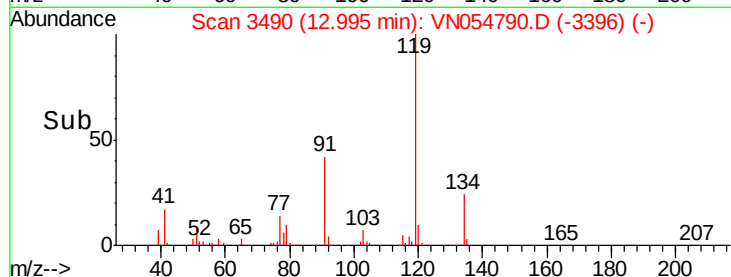
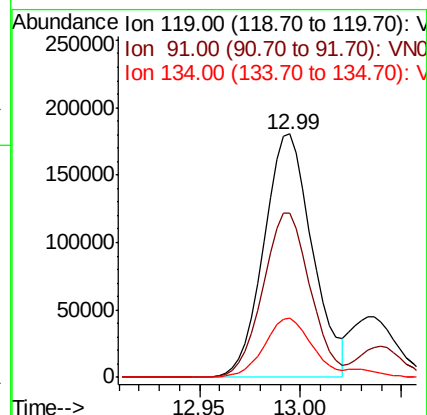
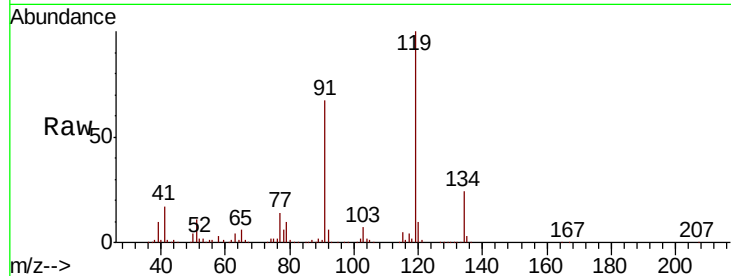
#83
 tert-Butylbenzene
 Concen: 21.130 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301769		
91	65.9		30.9	92.8
134	23.9		13.2	39.6

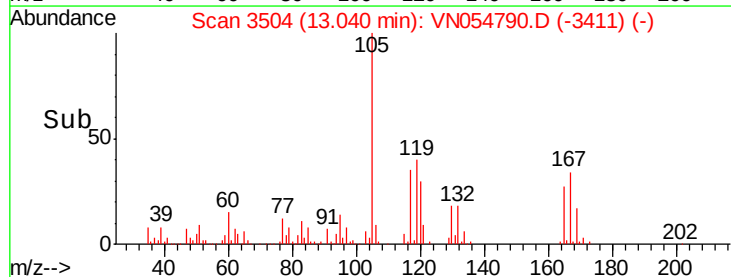
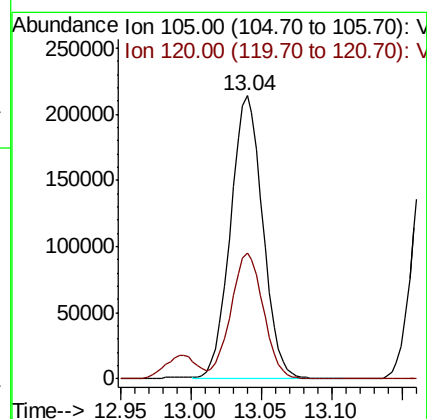
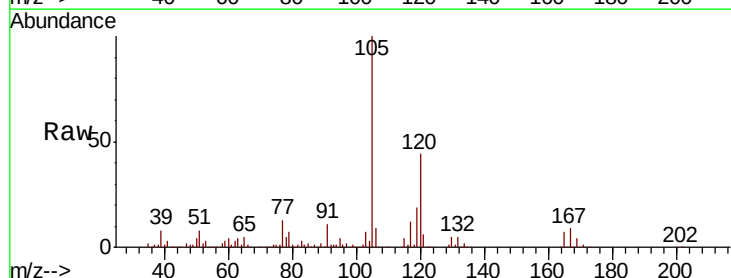
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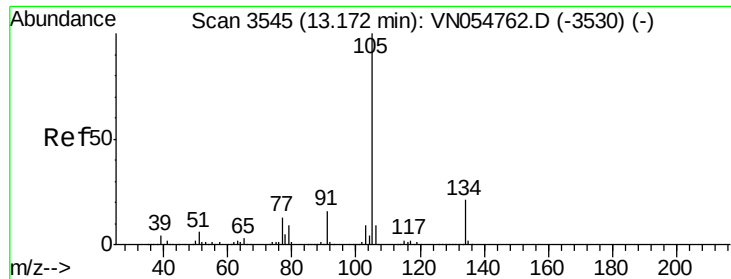
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.609 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342373		
120	45.1		23.4	70.3





#85

sec-Butylbenzene

Concen: 19.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

ClientSampled :

VN0329WBSD01

Tot Ion:105 Resp: 376395

Ion Ratio Lower Upper

105 100

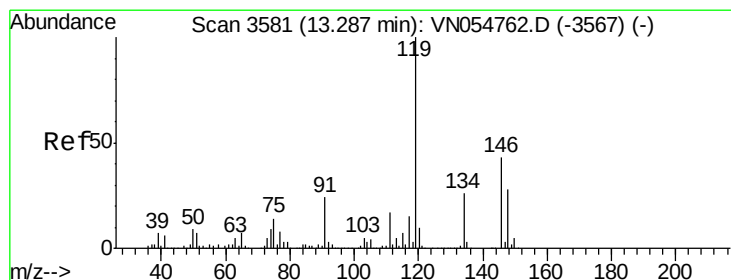
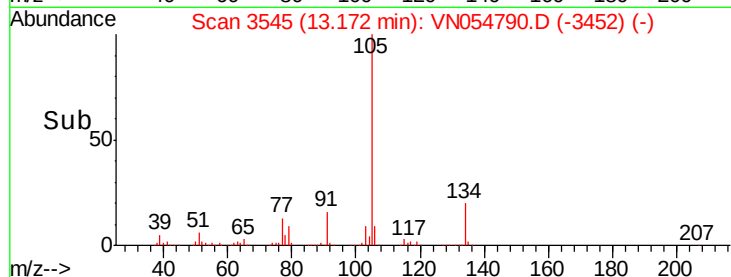
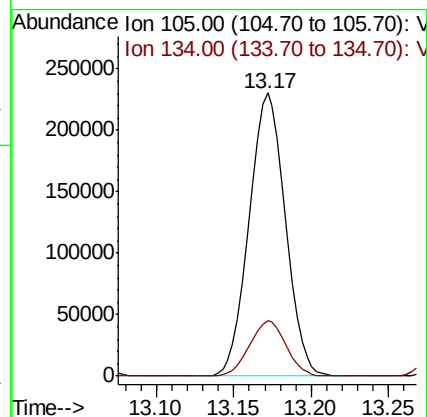
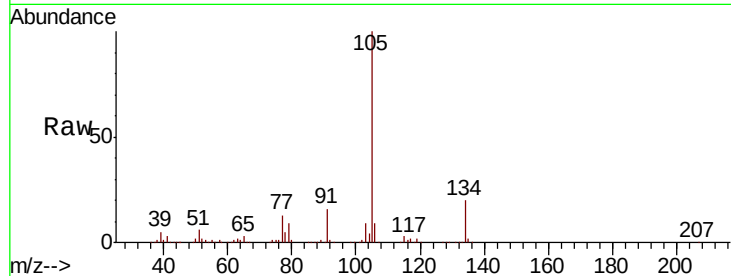
134 19.8 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.662 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

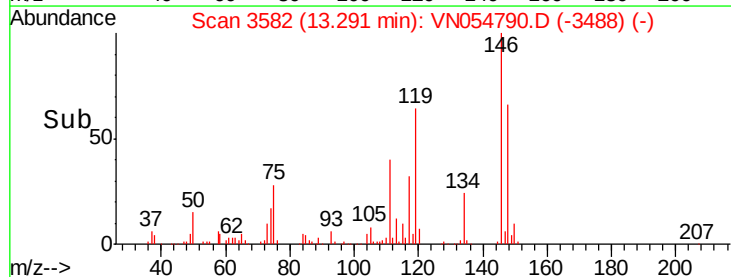
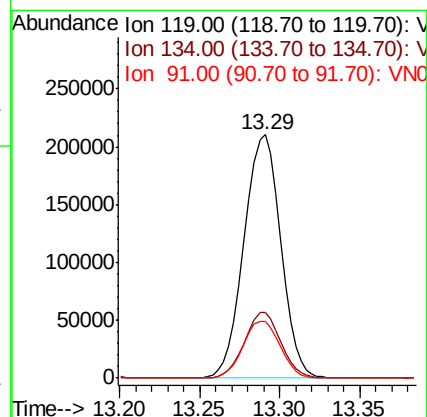
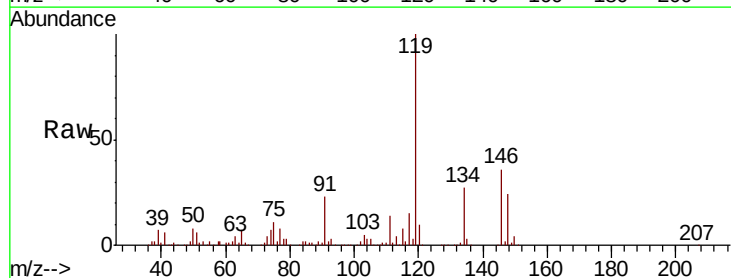
Tgt Ion:119 Resp: 328491

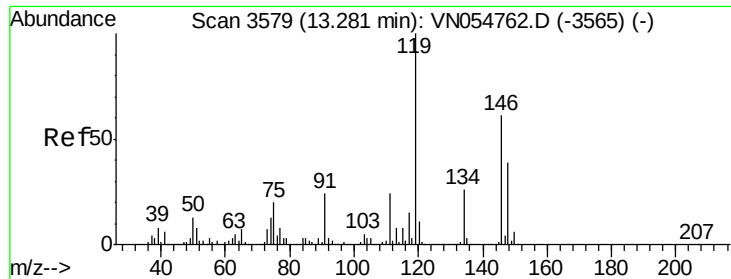
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 23.8 11.1 33.3





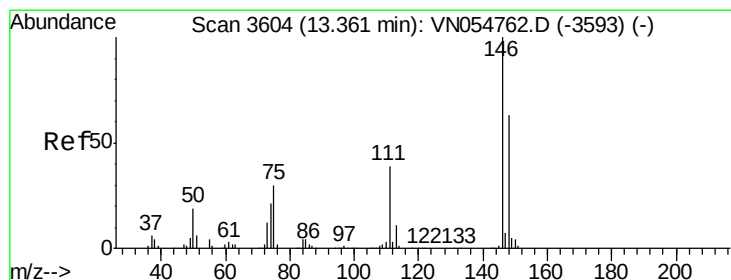
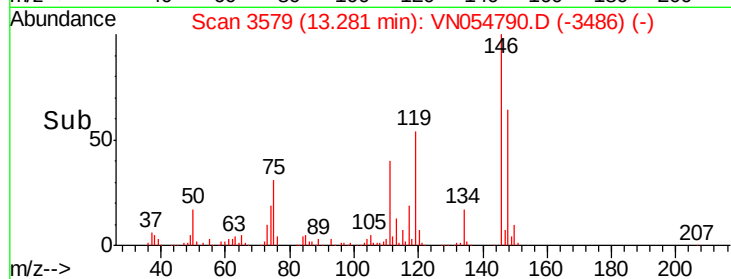
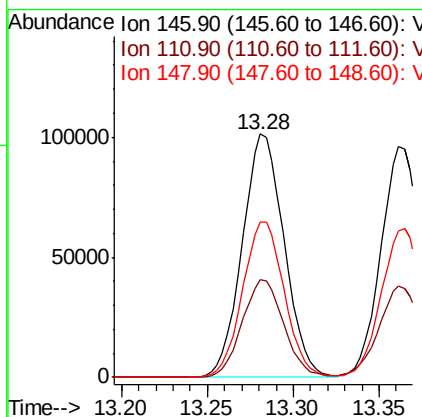
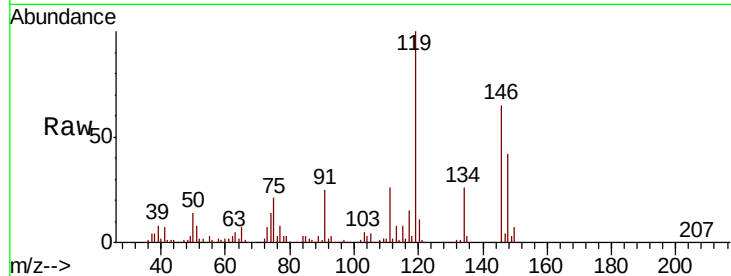
#87
 1,3-Dichlorobenzene
 Concen: 19.947 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	63.5	32.2	96.6

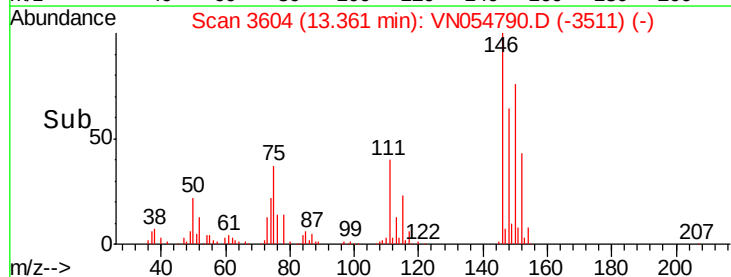
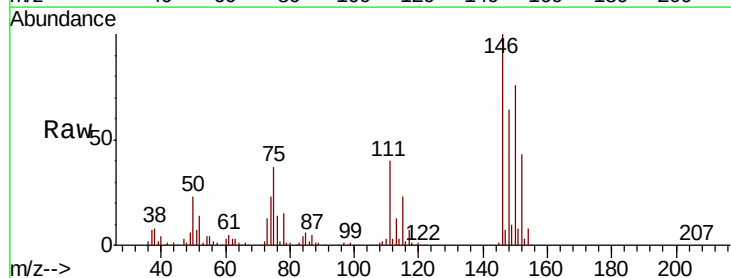
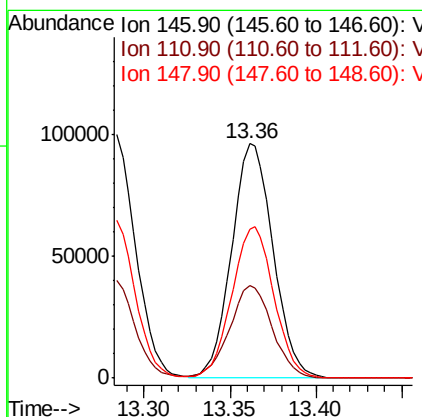
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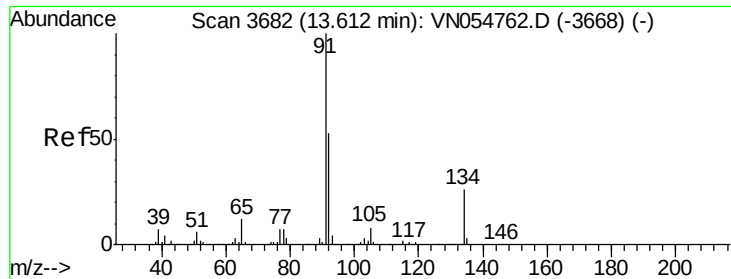
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#88
 1,4-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.1	54.1
148	65.8	32.0	96.0





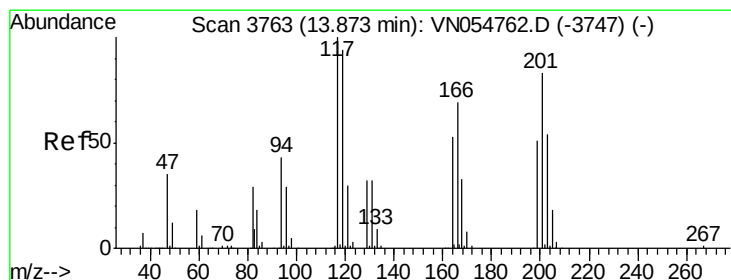
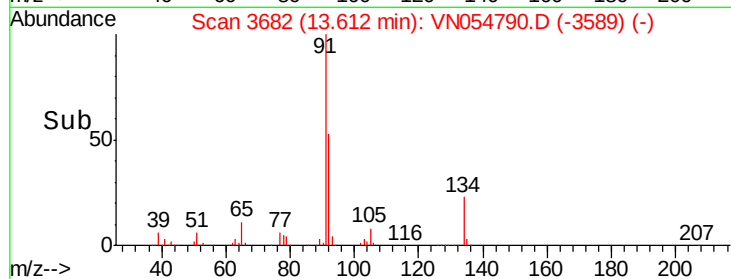
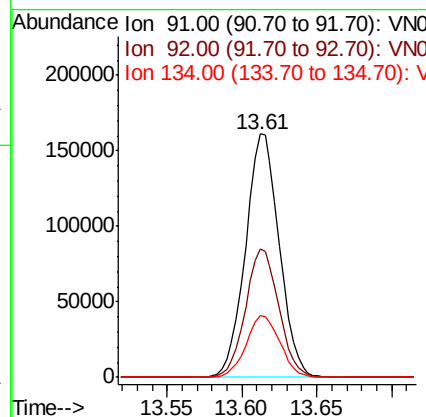
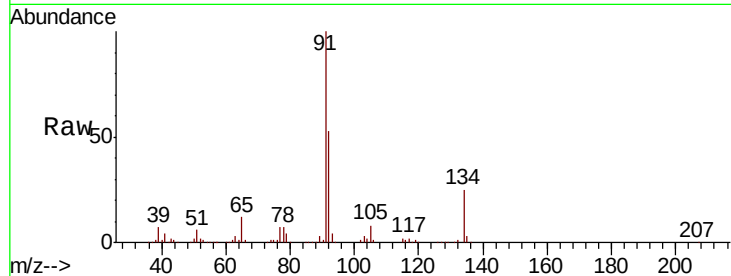
#89
n-Butylbenzene
Concen: 18.567 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Instrument :
MSVOA_N
ClientSampleId :
VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	25.3	14.3	42.9

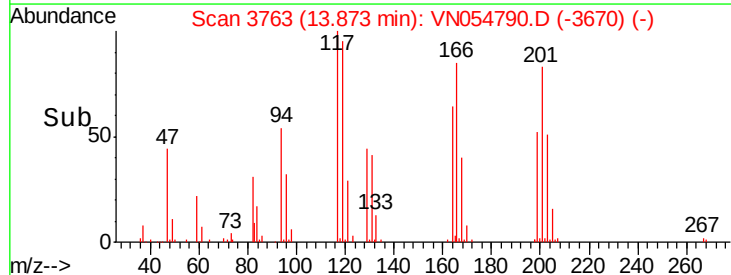
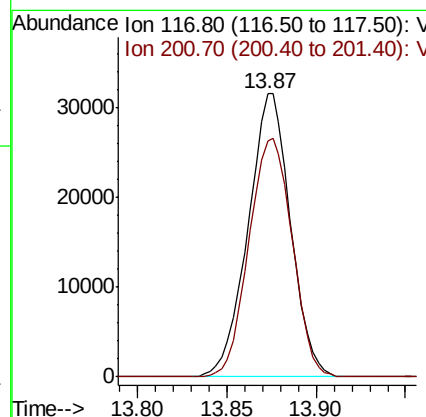
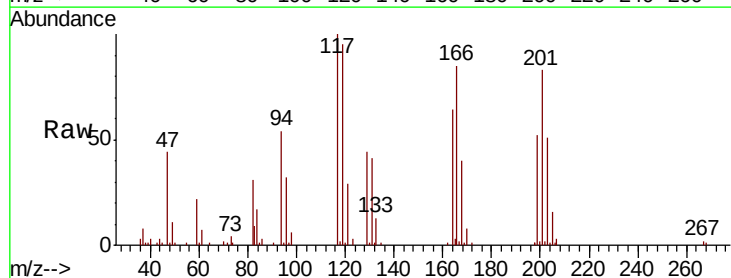
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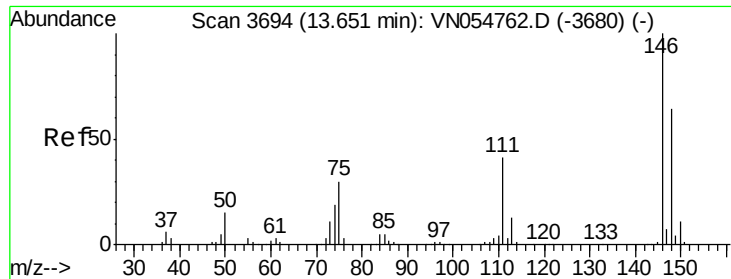
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#90
Hexachloroethane
Concen: 18.551 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054790.D
Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	48.1	144.4





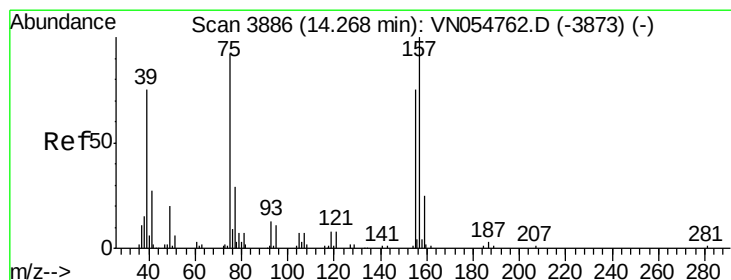
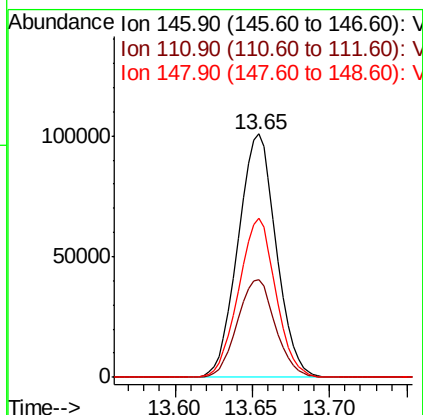
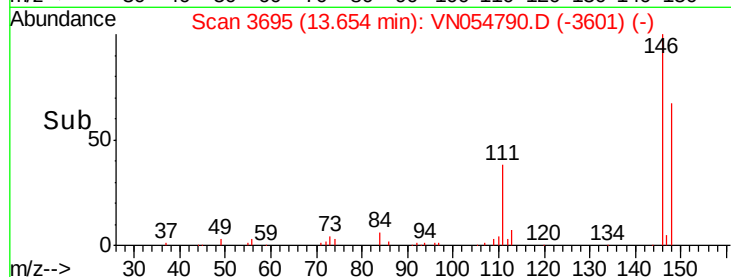
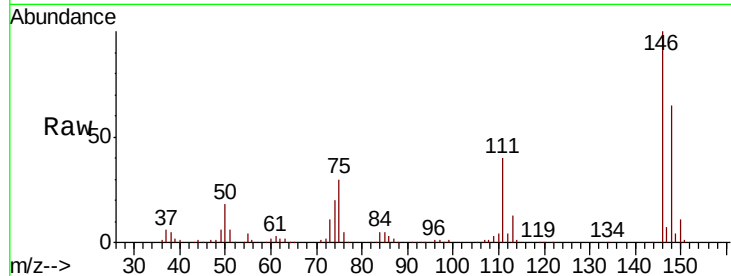
#91
 1,2-Dichlorobenzene
 Concen: 19.927 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.3
148	63.9	32.4	97.0

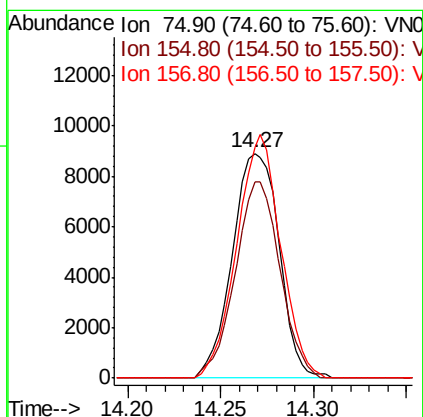
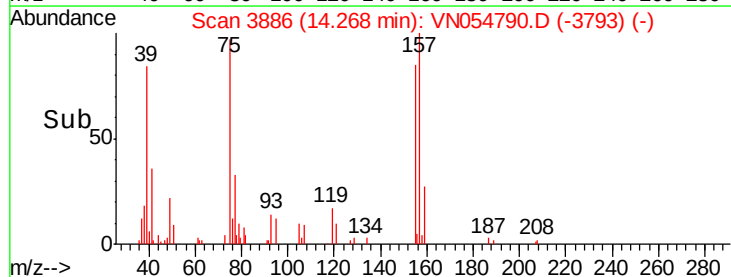
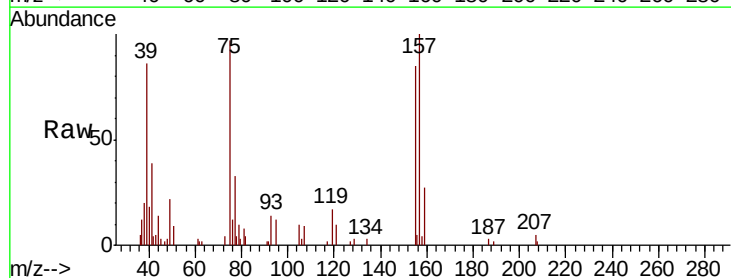
Manual Integrations
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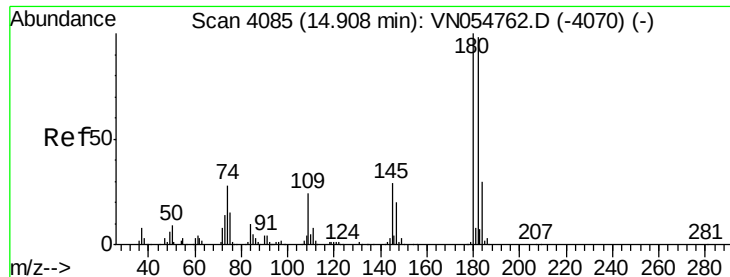
MMDadoda
 4/1/2019 3:58:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.554 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	50.1	150.3
157	101.6	63.1	189.3





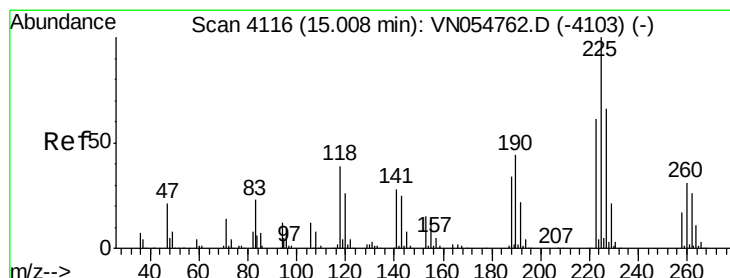
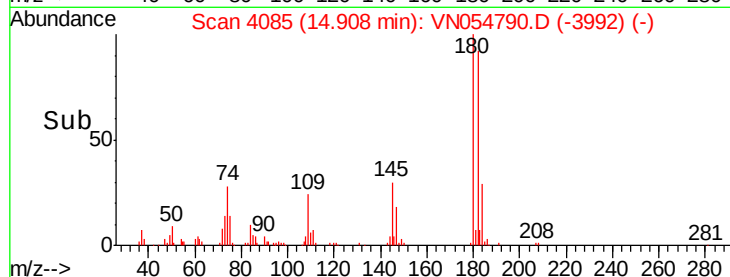
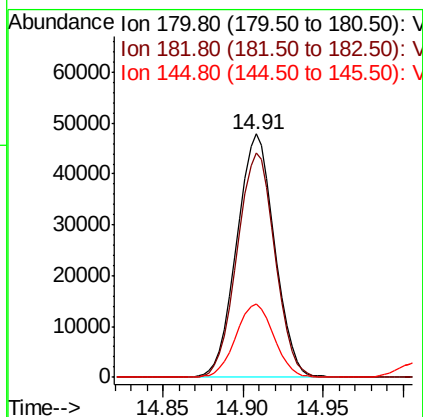
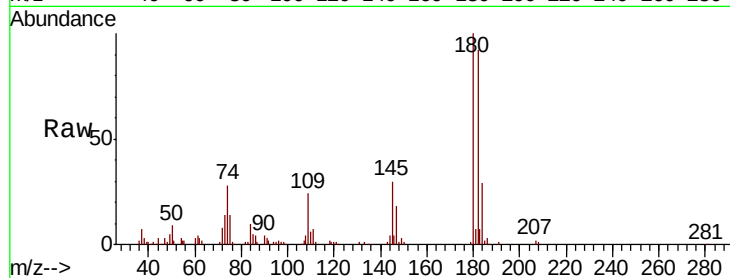
#93
 1,2,4-Trichlorobenzene
 Concen: 18.395 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	48.0	144.2
145	30.3	14.2	42.8

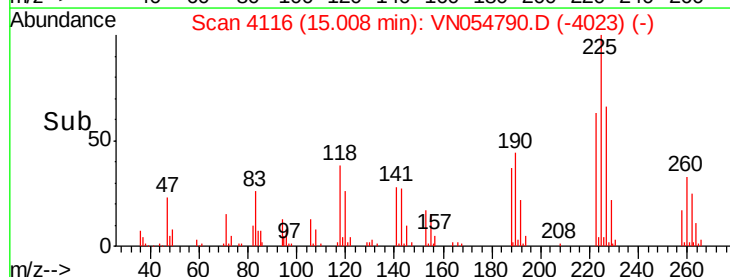
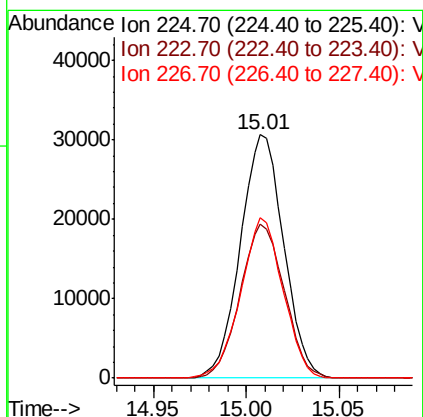
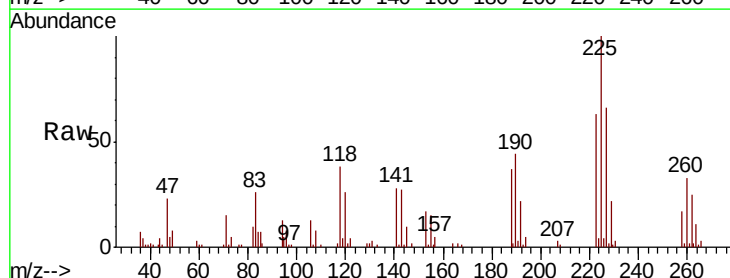
Manual Integrations
 APPROVED

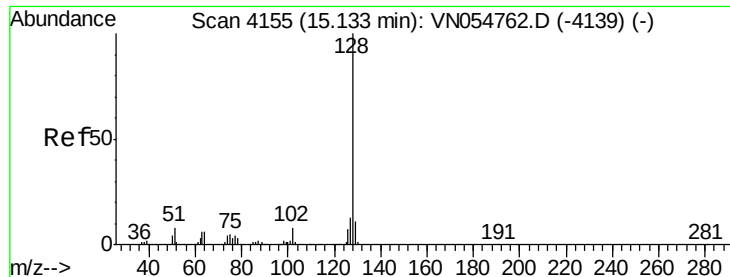
MMDadoda
 4/1/2019 3:58:58 PM



#94
 Hexachlorobutadiene
 Concen: 18.781 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054790.D
 Acq: 30 Mar 2019 00:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.1	93.5
227	64.1	31.9	95.9





#95

Naphthalene

Concen: 19.044 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Instrument :

MSVOA_N

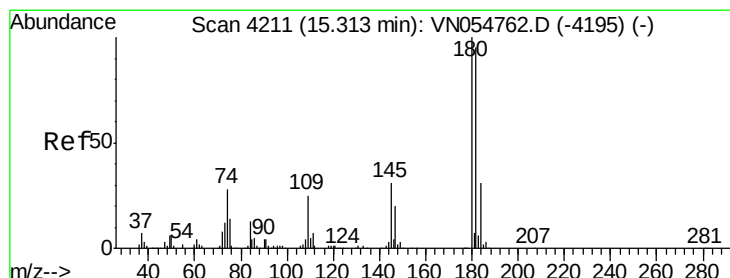
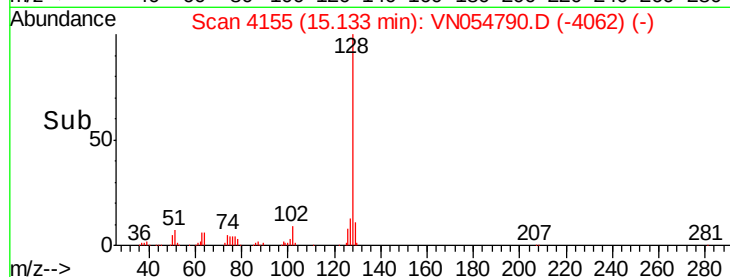
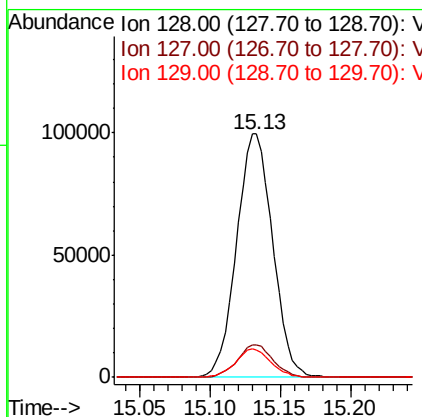
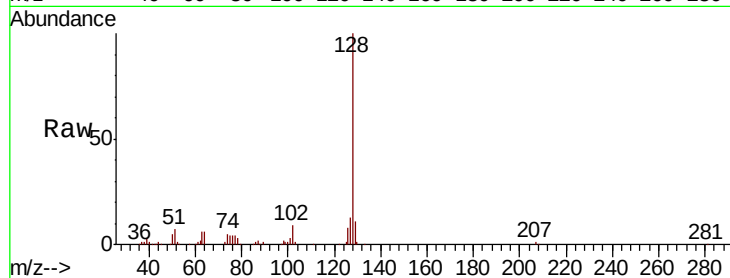
ClientSampleId :

VN0329WBSD01

Tot Ion:	128	Resp:	178454
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 3:58:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.177 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054790.D

Acq: 30 Mar 2019 00:09

Tgt Ion:	180	Resp:	80917
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.5	142.6
145	30.3	14.8	44.3

