

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054108.D
 Acq On : 5 Mar 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:44 AM

Quant Time: Mar 06 03:41:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	656839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381970	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	338319	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	1259934	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	423849	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	272234	45.034	ug/l	100
3) Chloromethane	2.06	50	390076	46.521	ug/l	99
4) Vinyl Chloride	2.19	62	393504	46.838	ug/l	99
5) Bromomethane	2.57	94	180302	32.405	ug/l	100
6) Chloroethane	2.71	64	240742	46.075	ug/l	99
7) Trichlorofluoromethane	3.02	101	502878	46.854	ug/l	98
8) Diethyl Ether	3.41	74	202647	50.395	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	317381	46.821	ug/l	95
10) Methyl Iodide	3.95	142	298103	33.468	ug/l	98
11) Tert butyl alcohol	4.78	59	127833	261.894	ug/l	99
12) 1,1-Dichloroethene	3.74	96	304351	46.939	ug/l	93
13) Acrolein	3.61	56	87112	172.376	ug/l	99
14) Allyl chloride	4.32	41	575211	50.580	ug/l	96
15) Acrylonitrile	4.98	53	669725	260.332	ug/l	99
16) Acetone	3.81	43	484432	237.050	ug/l	98
17) Carbon Disulfide	4.05	76	885459	42.331	ug/l	98
18) Methyl Acetate	4.32	43	304905	56.633	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	906315	52.105	ug/l	98
20) Methylene Chloride	4.55	84	364324	47.808	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	334164	47.616	ug/l	93
22) Diisopropyl ether	5.95	45	1151354	52.478	ug/l	95
23) Vinyl Acetate	5.89	43	4113488	260.627	ug/l	96
24) 1,1-Dichloroethane	5.85	63	664330	49.377	ug/l	98
25) 2-Butanone	6.83	43	764834	252.984	ug/l	96
26) 2,2-Dichloropropane	6.82	77	458715	47.989	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	387414	49.638	ug/l	94
28) Bromochloromethane	7.19	49	319930	51.950	ug/l	82
29) Tetrahydrofuran	7.21	42	522953	259.752	ug/l	92
30) Chloroform	7.37	83	636050	48.754	ug/l	98
31) Cyclohexane	7.65	56	601005	48.802	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	527506	49.039	ug/l	97
36) 1,1-Dichloropropene	7.79	75	486268	49.773	ug/l	97
37) Ethyl Acetate	6.93	43	332777	47.704	ug/l	97
38) Carbon Tetrachloride	7.77	117	457673	45.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	553271	46.985	ug/l	94
40) Benzene	8.04	78	1486073	49.515	ug/l	99
41) Methacrylonitrile	7.17	41	168952	37.613	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	464773	50.020	ug/l	97
43) Isopropyl Acetate	8.16	43	590859	50.165	ug/l #	90
44) Trichloroethene	8.84	130	383826	48.239	ug/l	97
45) 1,2-Dichloropropane	9.12	63	407957	50.382	ug/l	99
46) Dibromomethane	9.21	93	228877	48.688	ug/l	94
47) Bromodichloromethane	9.40	83	493266	49.790	ug/l	99
48) Methyl methacrylate	9.20	41	284733	52.556	ug/l	95
49) 1,4-Dioxane	9.20	88	79508	1083.535	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1644818	271.760	ug/l	95
52) Toluene	10.16	92	887558	50.222	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	490993	50.936	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	578078	50.871	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	325758	49.357	ug/l	97
56) Ethyl methacrylate	10.43	69	415646	48.107	ug/l	91
57) 1,3-Dichloropropane	10.71	76	569391	51.059	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	925771	230.876	ug/l	95
59) 2-Hexanone	10.75	43	1034974	262.923	ug/l	95
60) Dibromochloromethane	10.90	129	360814	49.191	ug/l	99
61) 1,2-Dibromoethane	11.00	107	315241	49.514	ug/l	99
64) Tetrachloroethene	10.63	164	371021	47.625	ug/l	97
65) Chlorobenzene	11.43	112	941631	48.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	349273	49.912	ug/l	100
67) Ethyl Benzene	11.51	91	1628105	50.018	ug/l	100
68) m/p-Xylenes	11.62	106	1249015	101.668	ug/l	97
69) o-Xylene	11.95	106	606274	50.225	ug/l	97
70) Styrene	11.96	104	981625	52.870	ug/l	99
71) Bromoform	12.13	173	239410	49.178	ug/l #	99
73) Isopropylbenzene	12.25	105	1581034	48.727	ug/l	99
74) N-amyl acetate	12.07	43	457509	53.798	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	390652	48.146	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	327580m	48.990	ug/l	
77) Bromobenzene	12.53	156	396557	48.137	ug/l	91
78) n-propylbenzene	12.59	91	1841725	49.910	ug/l	98
79) 2-Chlorotoluene	12.67	91	1089363	49.143	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1341250	50.493	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102476	48.438	ug/l	91
82) 4-Chlorotoluene	12.77	91	1102358	50.317	ug/l	96
83) tert-Butylbenzene	12.99	119	1173267	49.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1356543	51.153	ug/l	99
85) sec-Butylbenzene	13.17	105	1560044	48.617	ug/l	98
86) p-Isopropyltoluene	13.29	119	1351752	49.831	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	690104	48.425	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	669638	48.433	ug/l	98
89) n-Butylbenzene	13.62	91	1137965	49.777	ug/l	99
90) Hexachloroethane	13.87	117	241319	45.908	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	688077	49.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60843	53.062	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	339640	44.583	ug/l	99
94) Hexachlorobutadiene	15.01	225	211315	42.406	ug/l	99
95) Naphthalene	15.13	128	714851	43.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	332654	45.413	ug/l	99

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

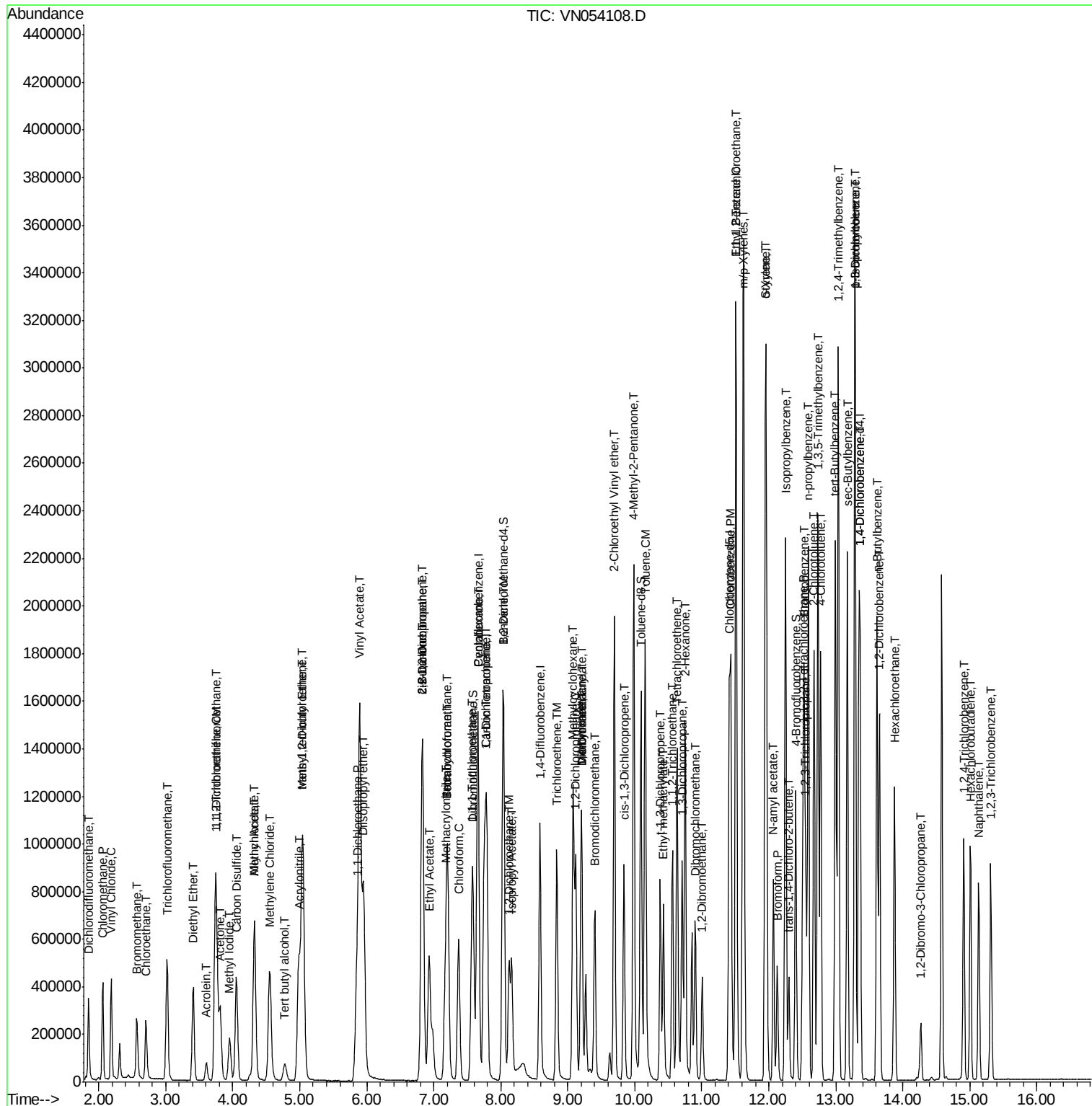
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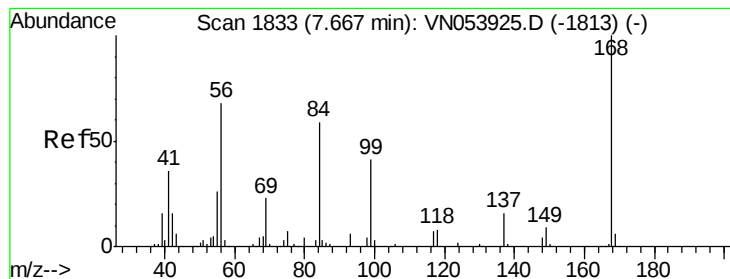
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 656839

Ion Ratio Lower Upper

168 100

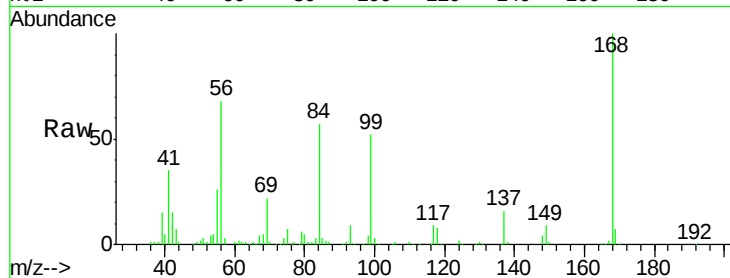
99 51.1 36.9 55.3

Manual Integrations

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3/6/2019 9:16:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

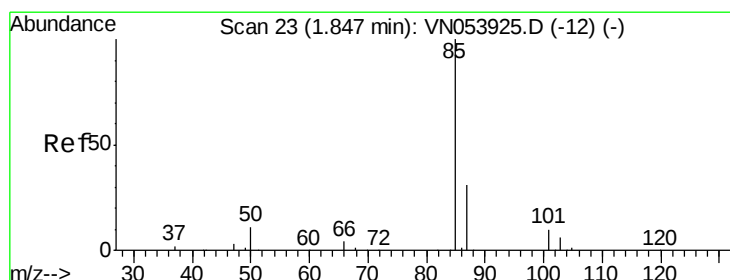
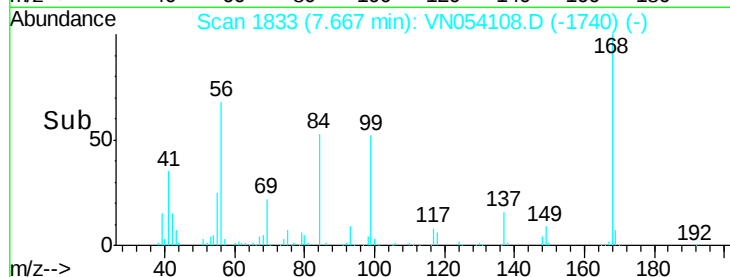
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.034 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054108.D

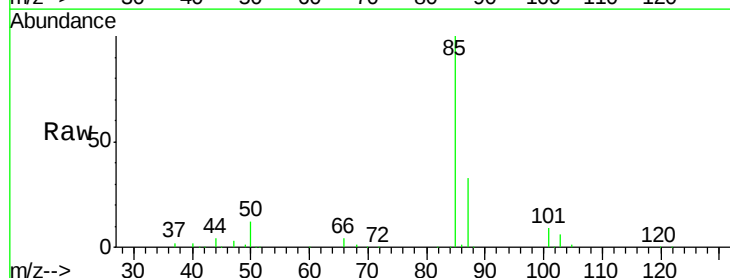
Acq: 5 Mar 2019 19:15

Tgt Ion: 85 Resp: 272234

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

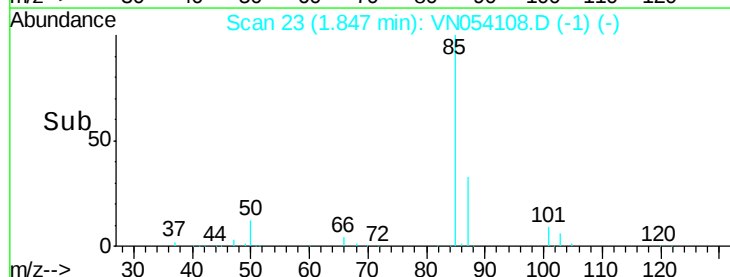
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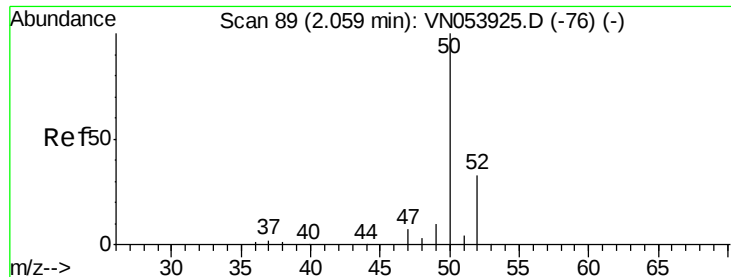
100000

50000

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Time-->





#3

Chloromethane

Concen: 46.521 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 390076

Ion Ratio Lower Upper

50 100

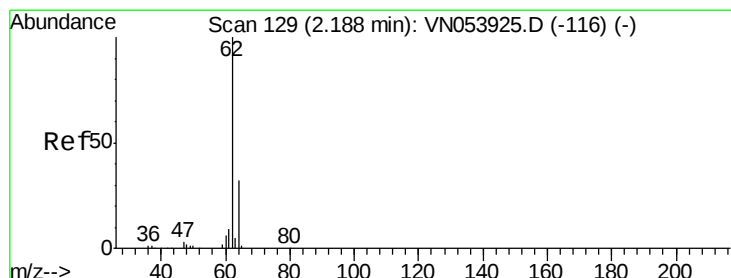
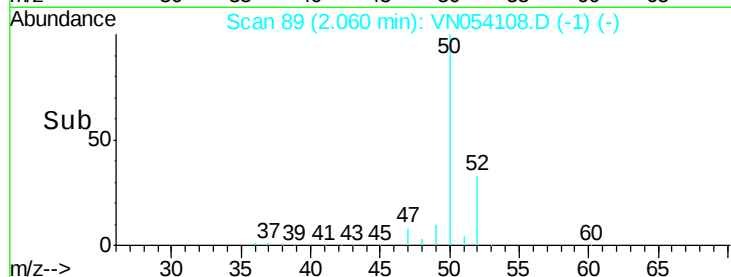
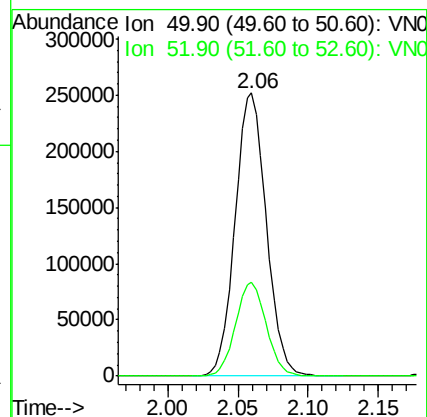
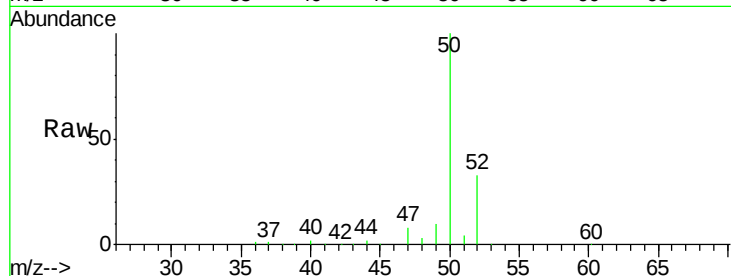
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.838 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054108.D

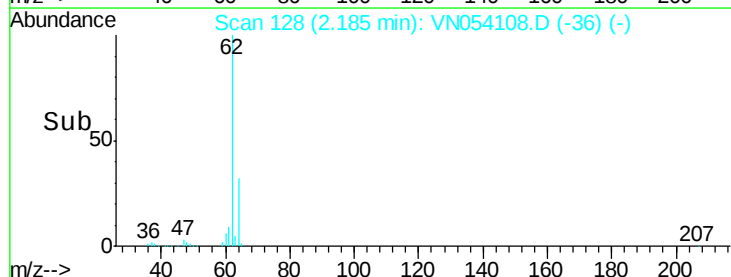
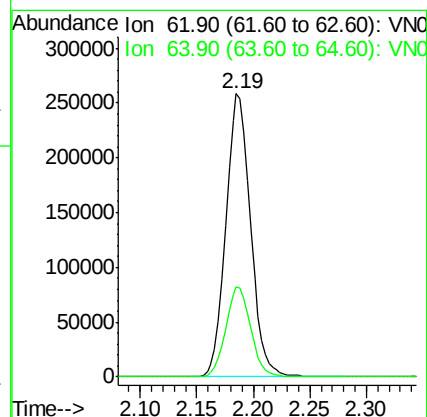
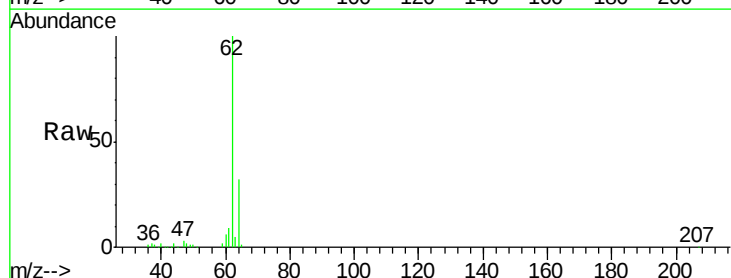
Acq: 5 Mar 2019 19:15

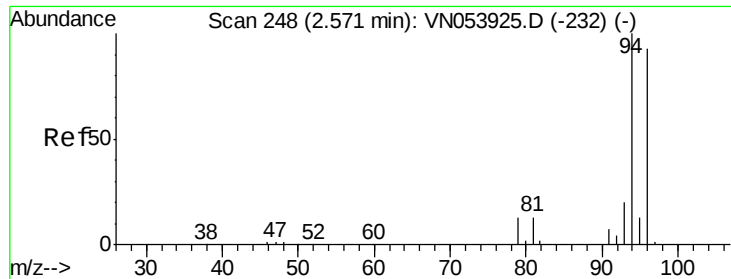
Tgt Ion: 62 Resp: 393504

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 32.405 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 180302

Ion Ratio Lower Upper

94 100

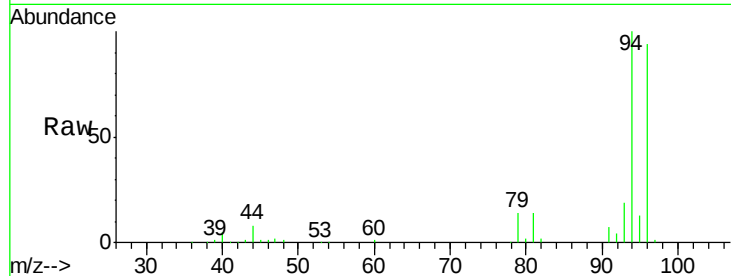
96 93.6 74.9 112.3

Manual Integrations

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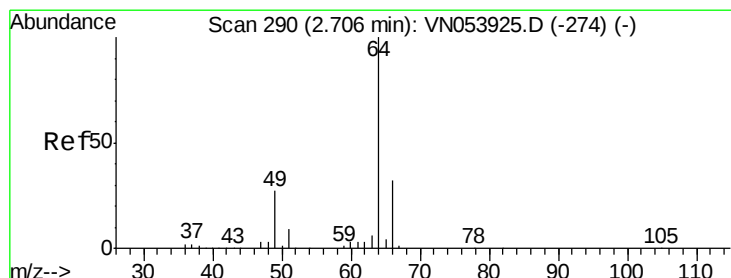
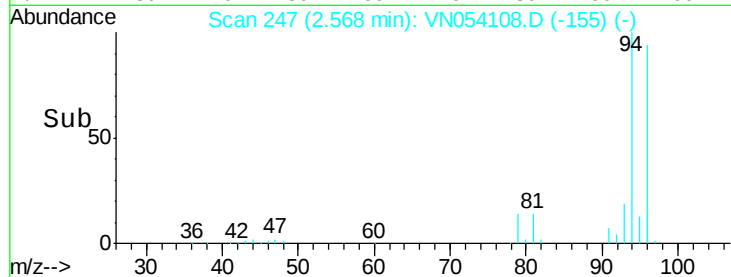
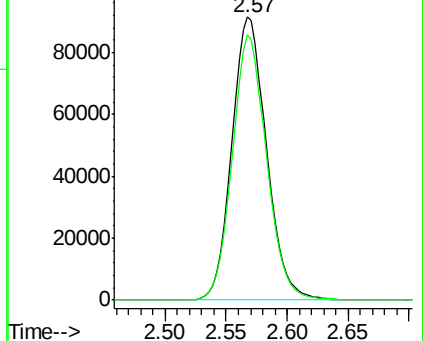
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.075 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054108.D

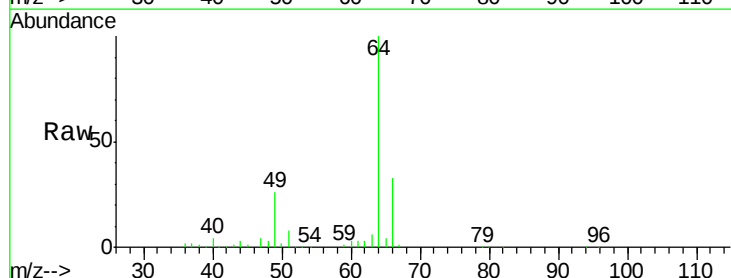
Acq: 5 Mar 2019 19:15

Tgt Ion: 64 Resp: 240742

Ion Ratio Lower Upper

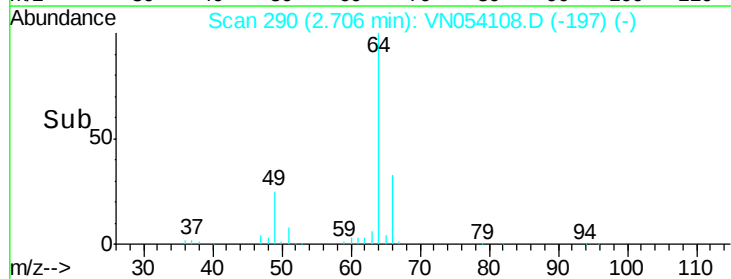
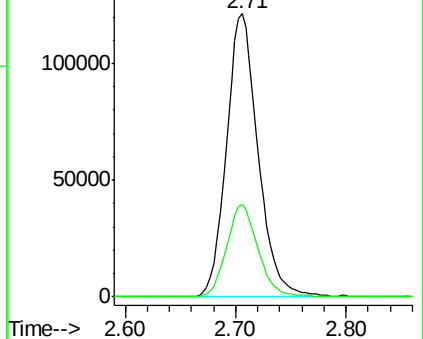
64 100

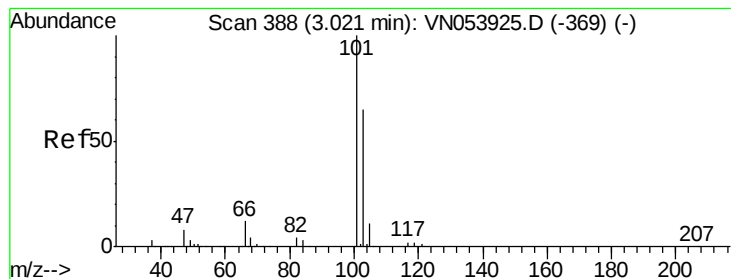
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

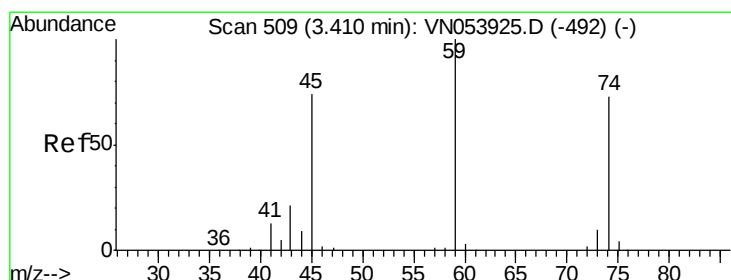
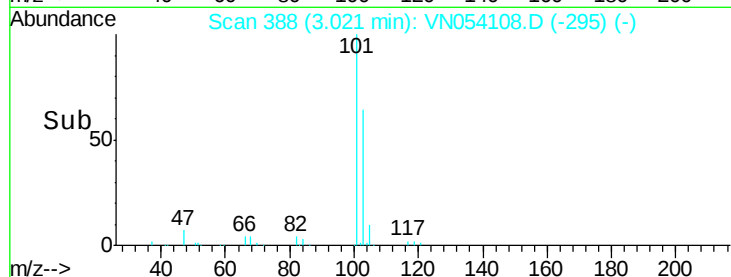
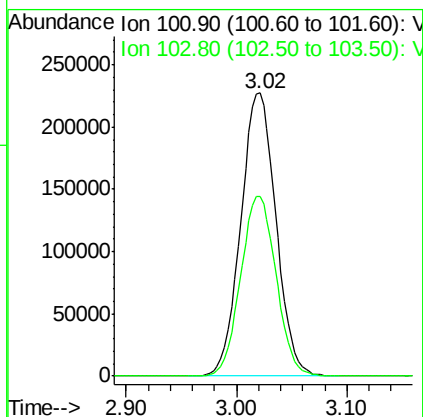
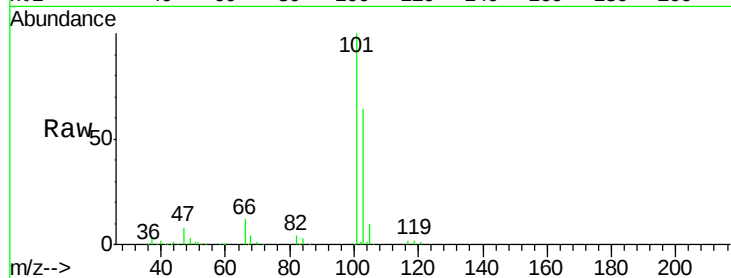
Trichlorofluoromethane
Concen: 46.854 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.9	77.9

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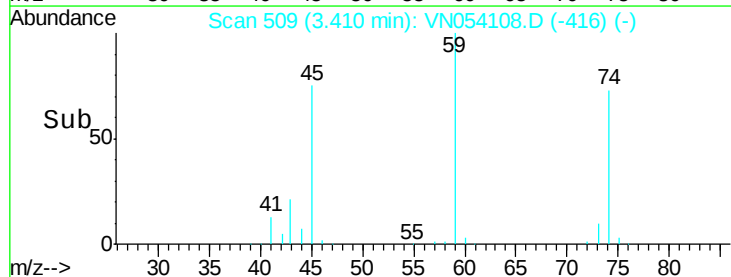
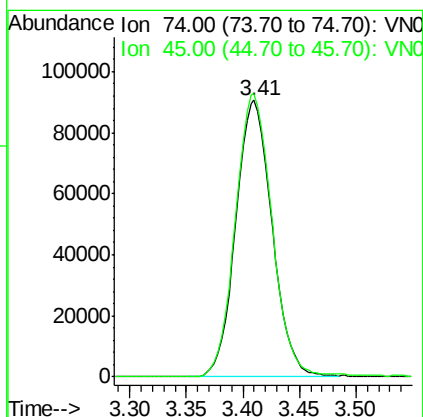
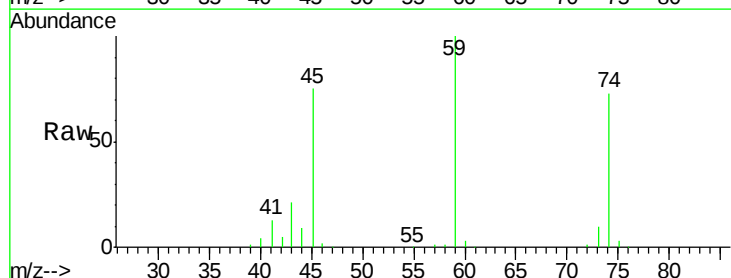
MMDadoda
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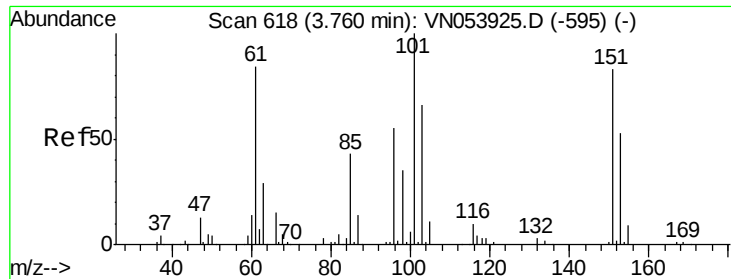


#8

Diethyl Ether
Concen: 50.395 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.821 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

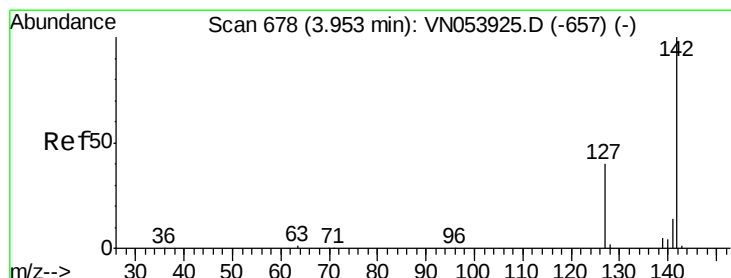
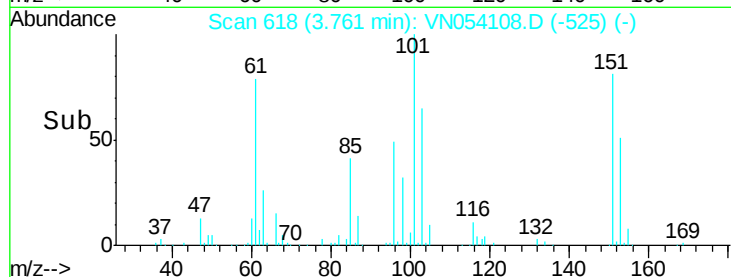
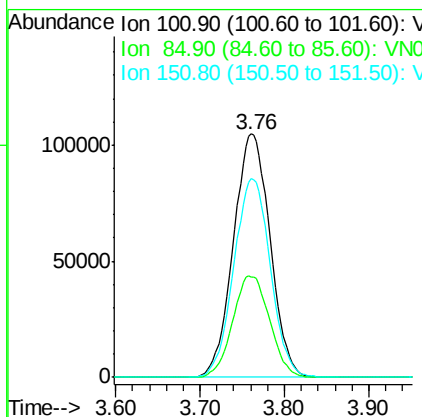
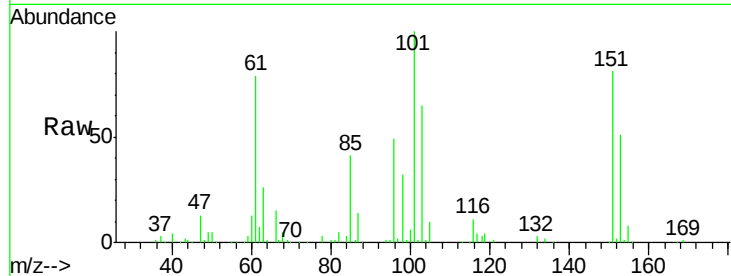
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	317381
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.5	48.7
151	81.5	70.2	105.2

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#10

Methyl Iodide

Concen: 33.468 ug/l

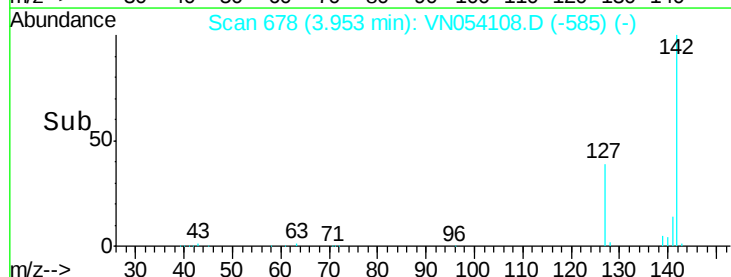
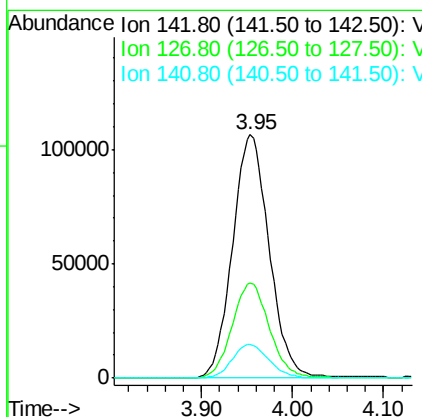
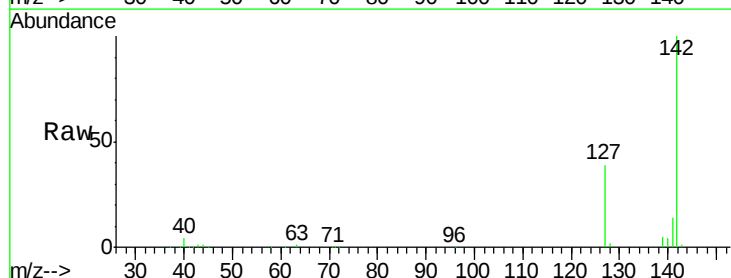
RT: 3.95 min Scan# 678

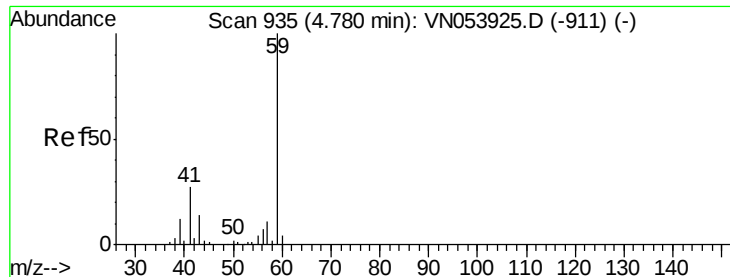
Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	142	Resp:	298103
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.0	46.4
141	13.9	11.3	16.9





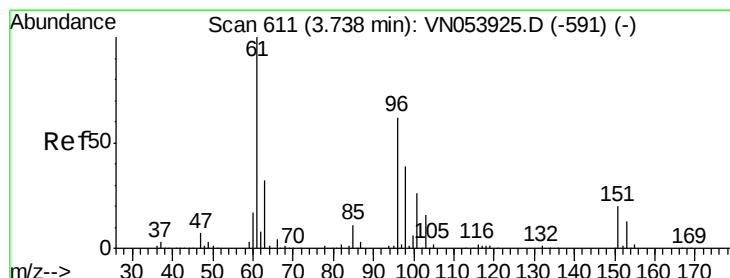
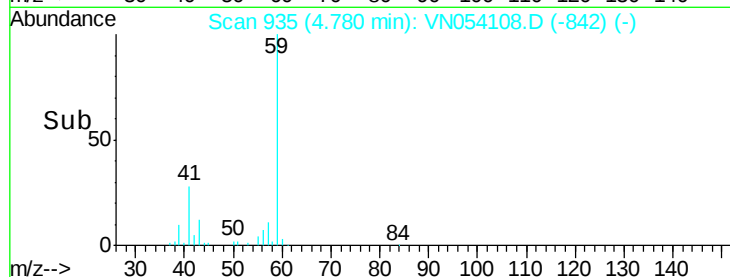
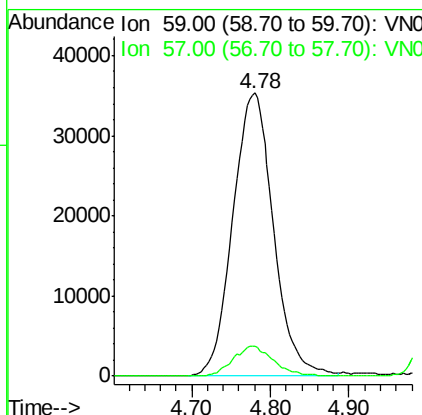
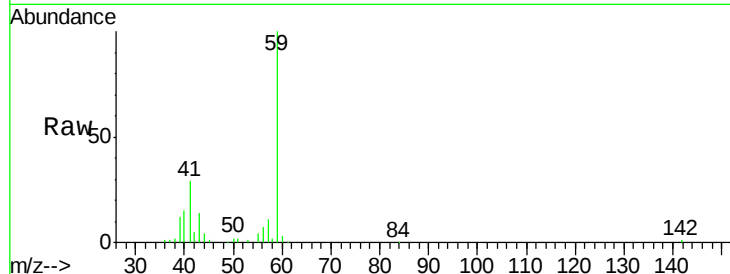
#11
Tert butyl alcohol
Concen: 261.894 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.1	12.1

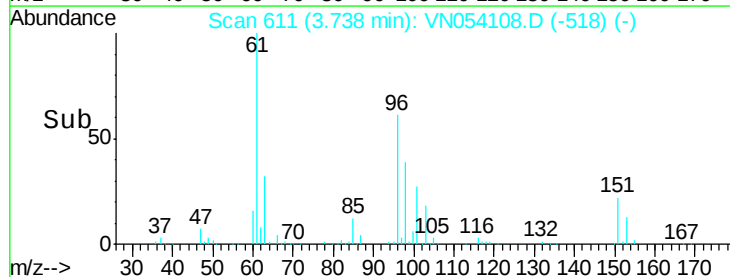
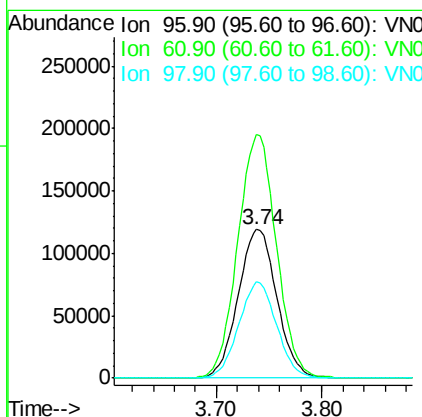
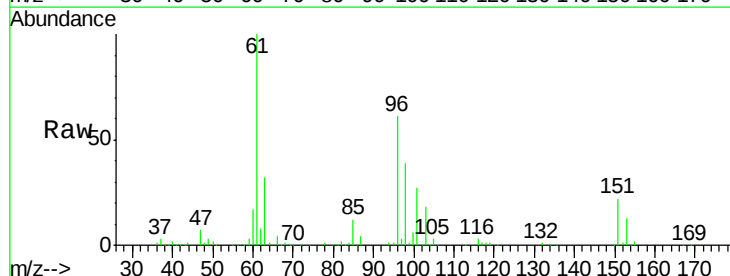
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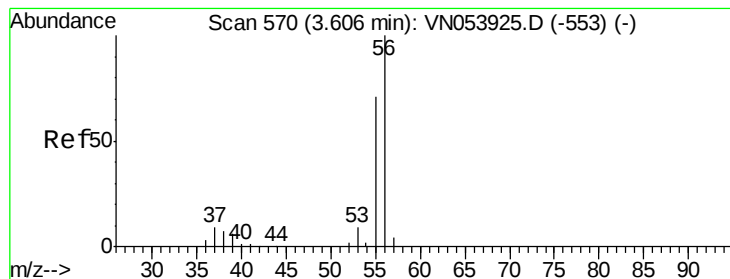
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.939 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	121.0	181.4
98	64.4	52.2	78.2





#13

Acrolein

Concen: 172.376 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 87112

Ion Ratio Lower Upper

56 100

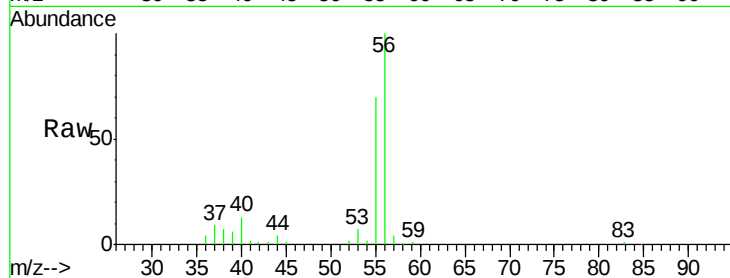
55 71.1 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

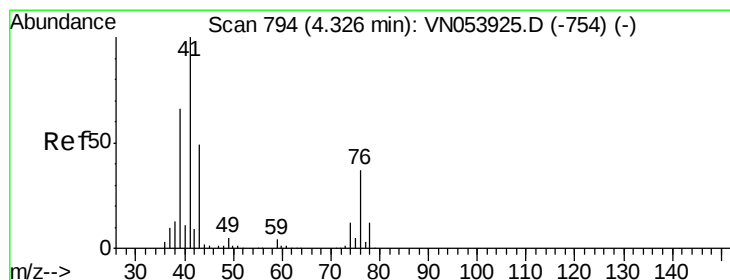
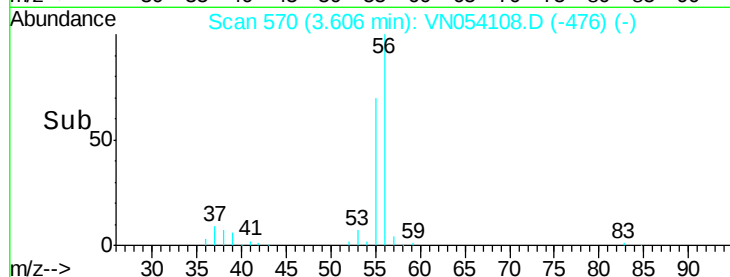
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 50.580 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

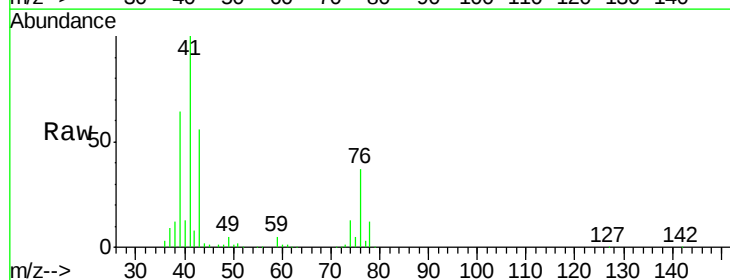
Tgt Ion: 41 Resp: 575211

Ion Ratio Lower Upper

41 100

39 61.4 48.8 73.2

76 33.5 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

250000

200000

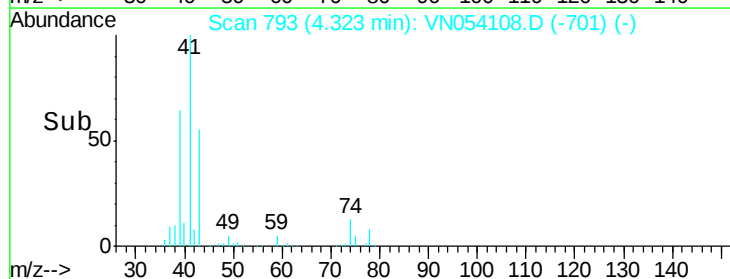
150000

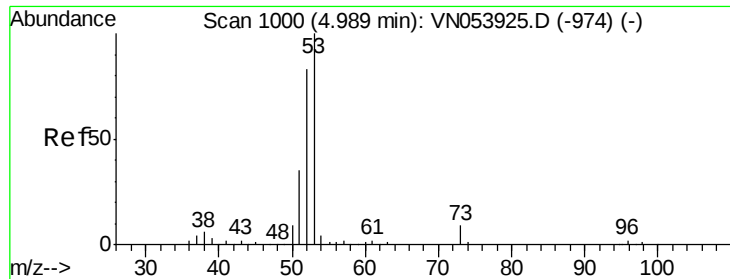
100000

50000

0

Time-->





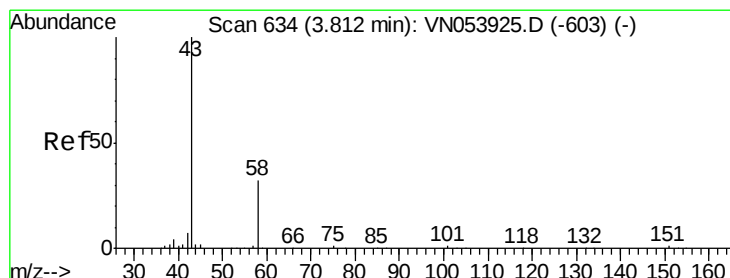
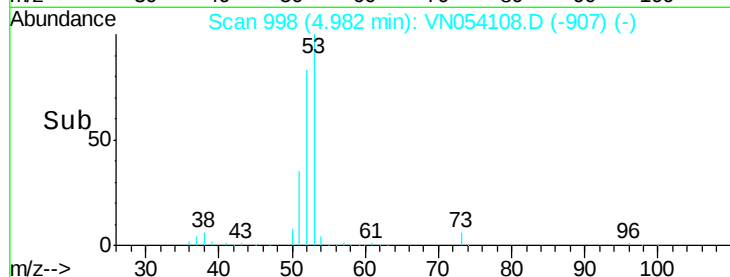
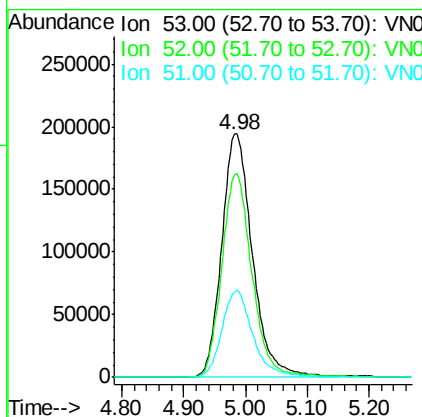
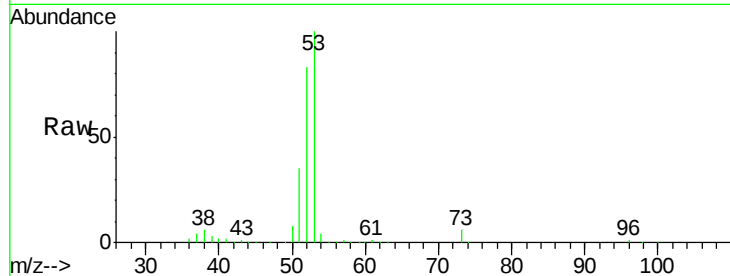
#15
 Acrylonitrile
 Concen: 260.332 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	53	Resp:	669725
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.1	97.7
51	36.0	28.2	42.4

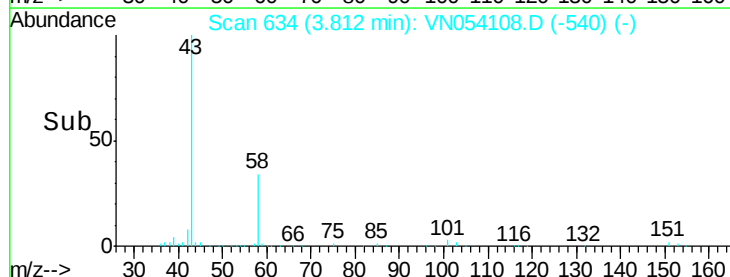
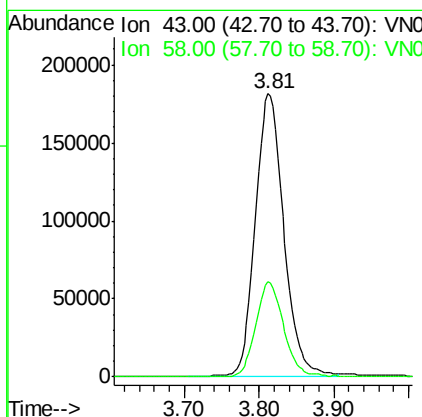
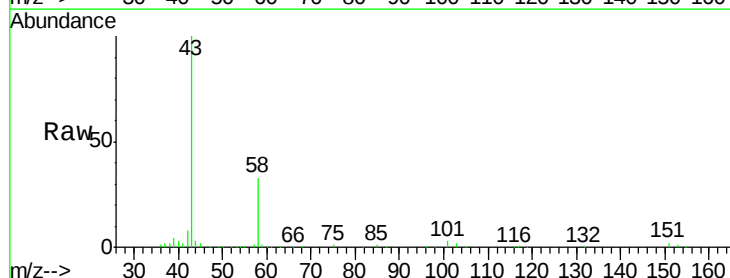
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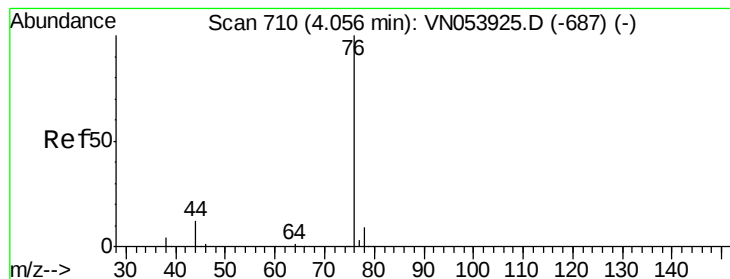
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#16
 Acetone
 Concen: 237.050 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion:	43	Resp:	484432
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.6	41.4





#17

Carbon Disulfide

Concen: 42.331 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 885459

Ion Ratio Lower Upper

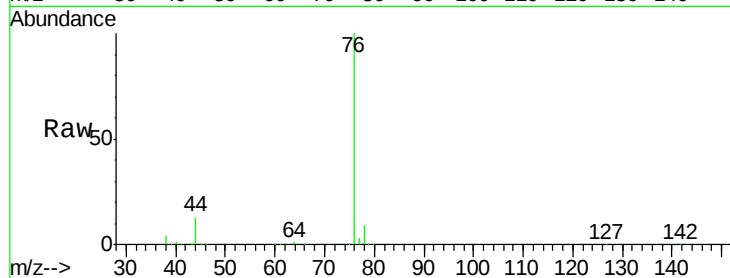
76 100

78 8.8 7.5 11.3

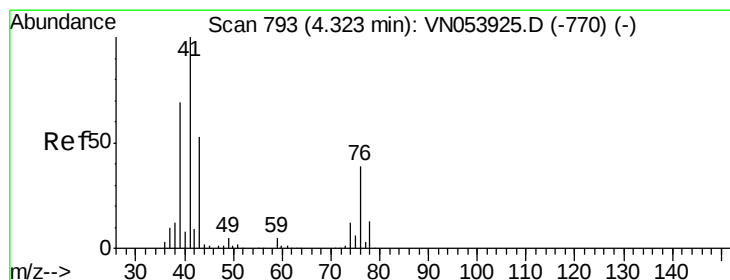
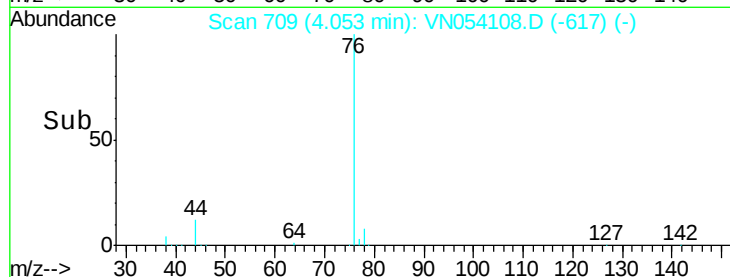
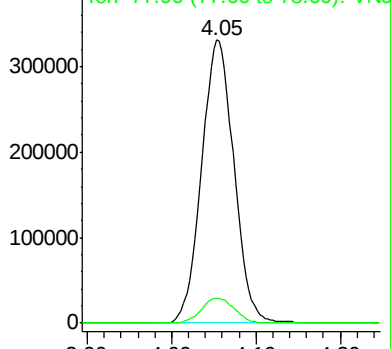
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Abundance Ion 75.90 (75.60 to 76.60): VN054108.D (-617) (-)



#18

Methyl Acetate

Concen: 56.633 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054108.D

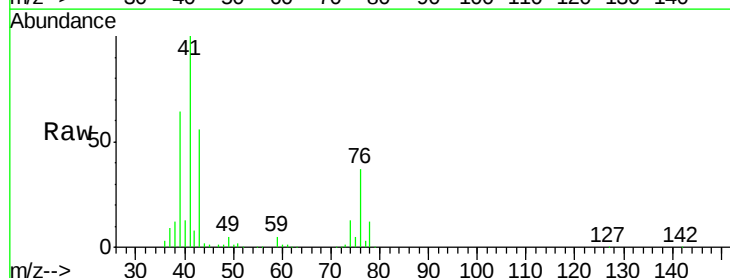
Acq: 5 Mar 2019 19:15

Tgt Ion: 43 Resp: 304905

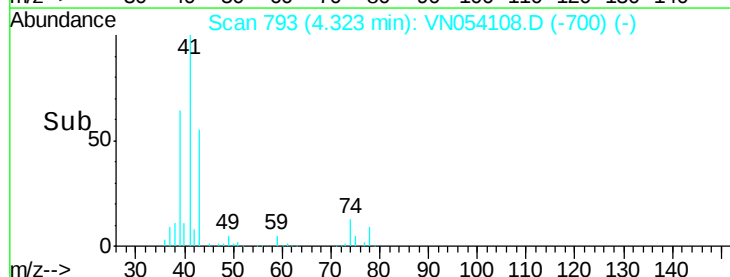
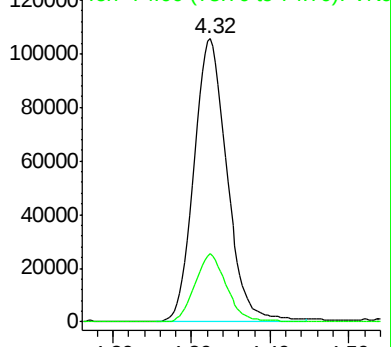
Ion Ratio Lower Upper

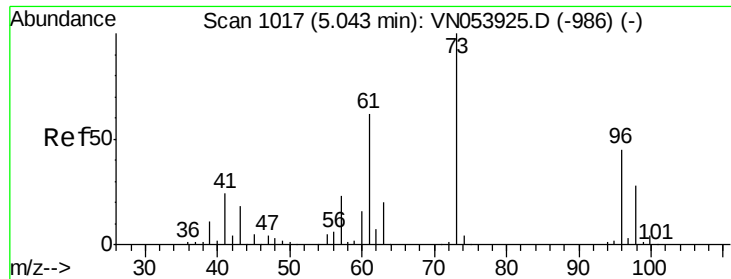
43 100

74 23.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN054108.D (-700) (-)





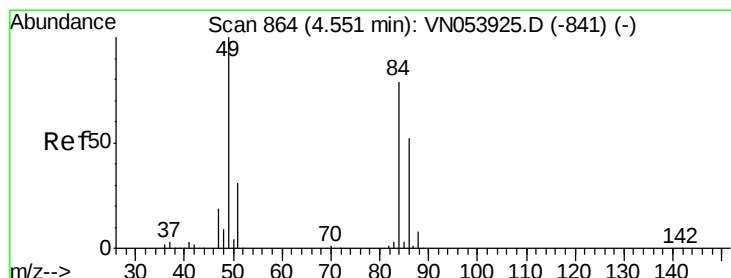
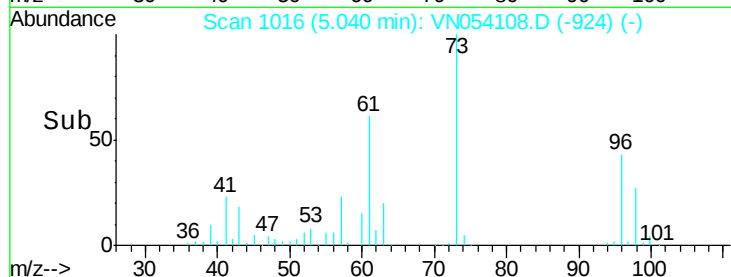
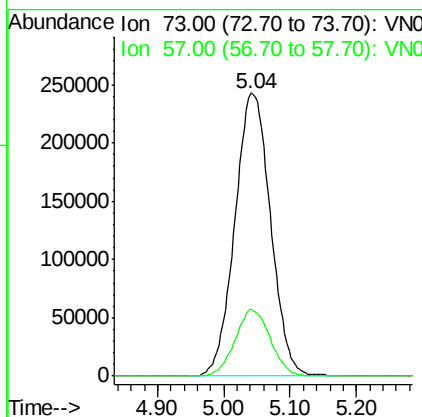
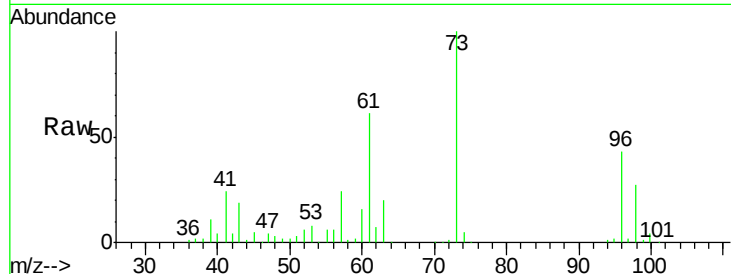
#19
Methvl tert-butvl Ether
Concen: 52.105 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.0	27.0

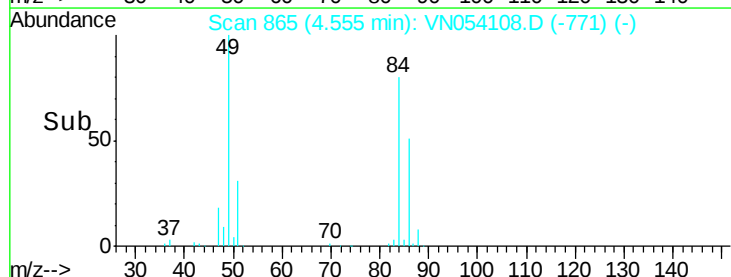
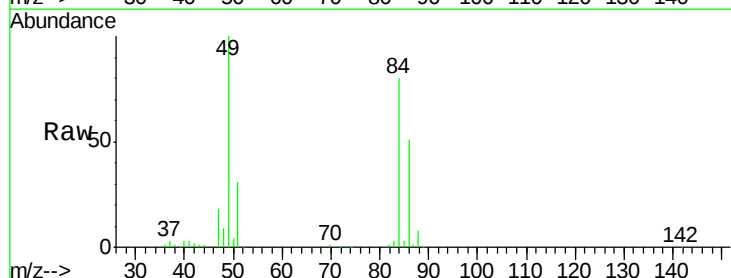
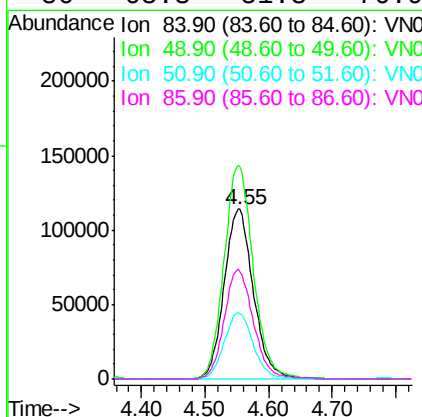
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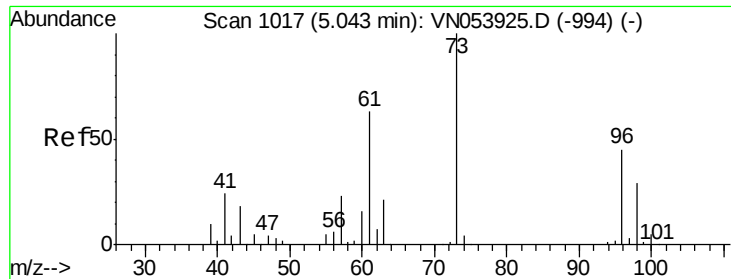
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#20
Methylene Chloride
Concen: 47.808 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	89.7	134.5
51	38.6	27.8	41.8
86	63.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.616 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 334164

Ion Ratio Lower Upper

96 100

61 142.7 104.5 156.7

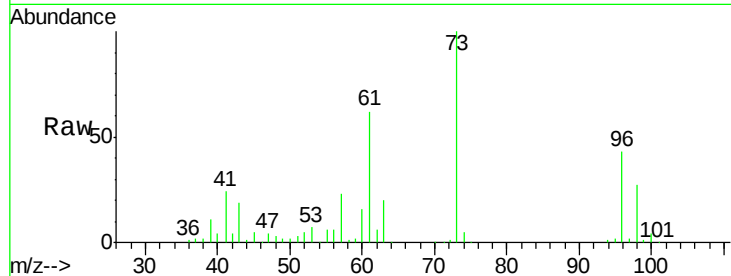
98 62.3 50.6 76.0

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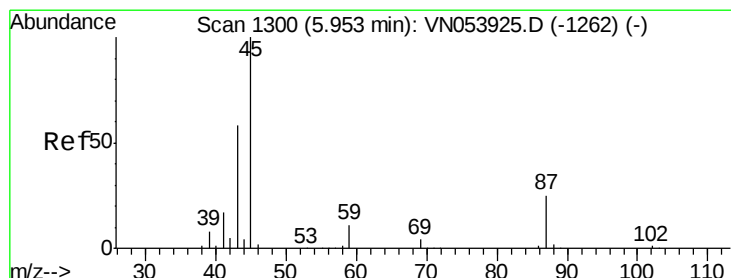
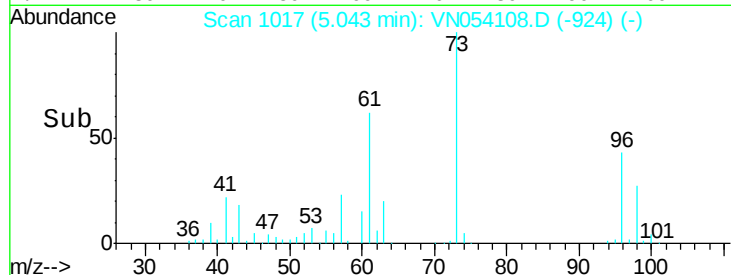
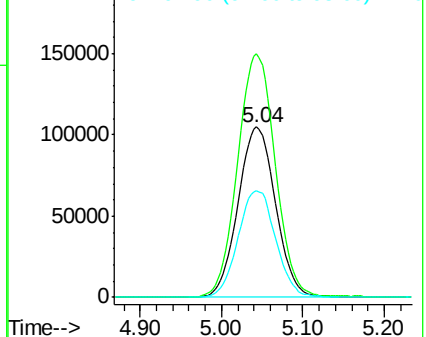


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 52.478 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion: 45 Resp: 1151354

Ion Ratio Lower Upper

45 100

43 61.6 46.2 69.4

87 26.4 23.4 35.0

59 11.3 9.4 14.0

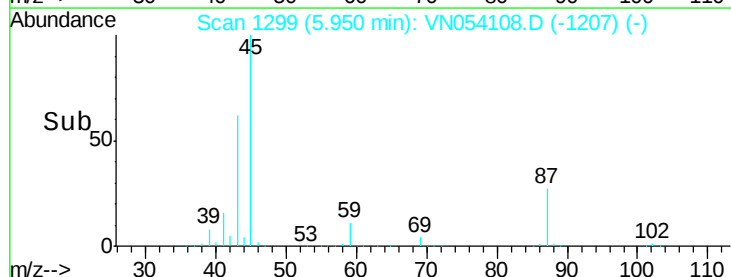
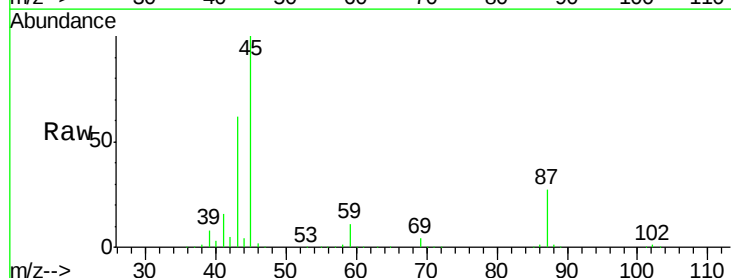
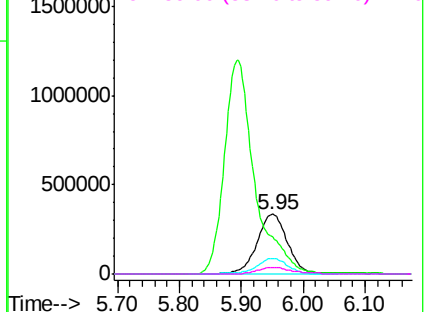
Abundance

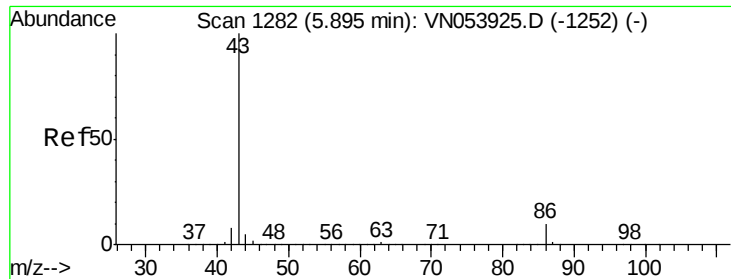
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





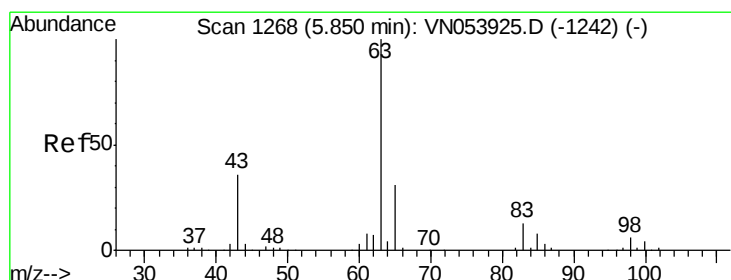
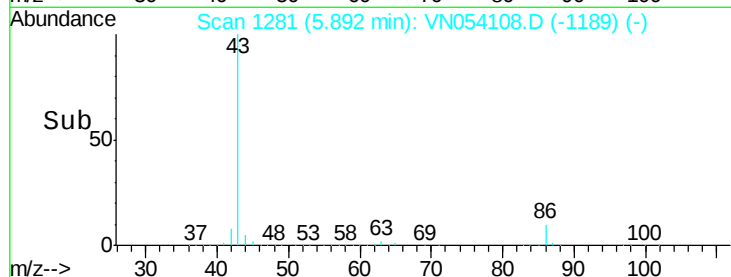
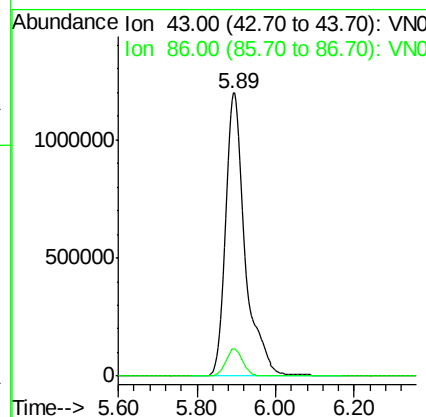
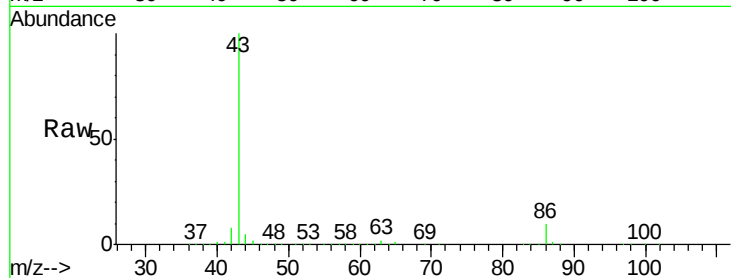
#23
 Vinyl Acetate
 Concen: 260.627 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4113488
 Ion Ratio Lower Upper
 43 100
 86 9.8 9.1 13.7

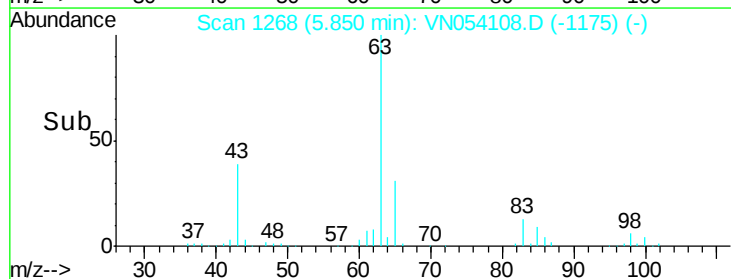
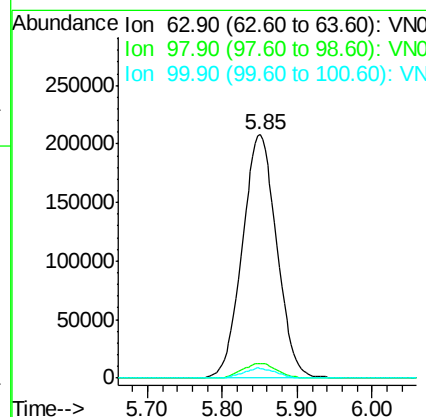
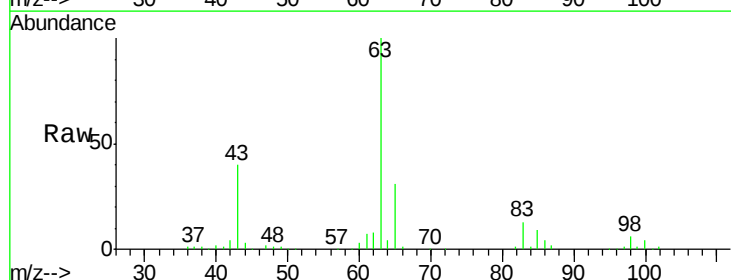
Manual Integrations
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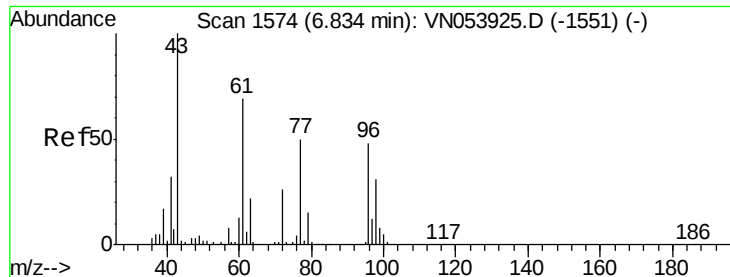
MMDadoda
 3/6/2019 9:16:44 AM



#24
 1,1-Dichloroethane
 Concen: 49.377 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 63 Resp: 664330
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 252.984 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 764834

Ion Ratio Lower Upper

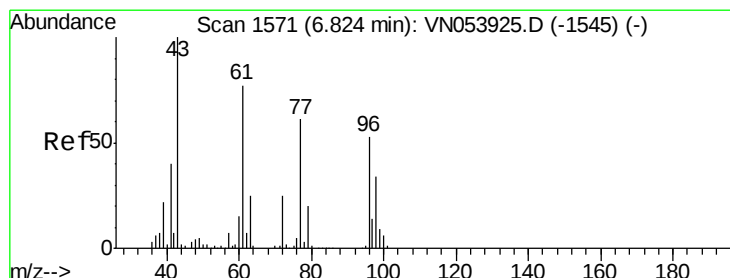
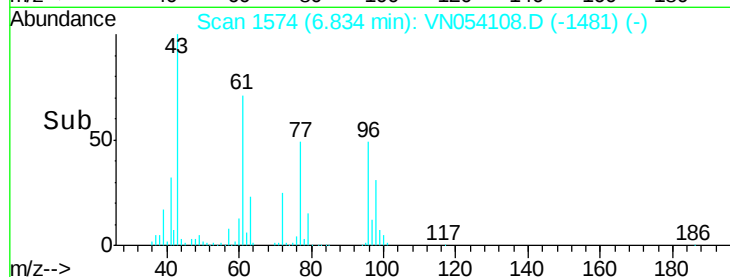
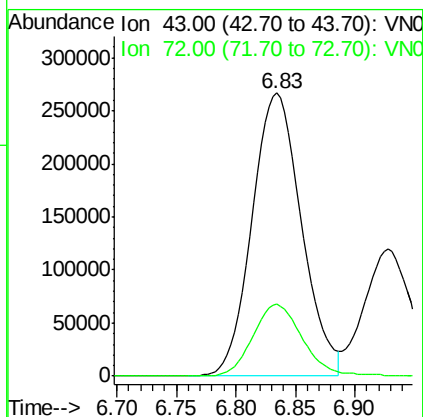
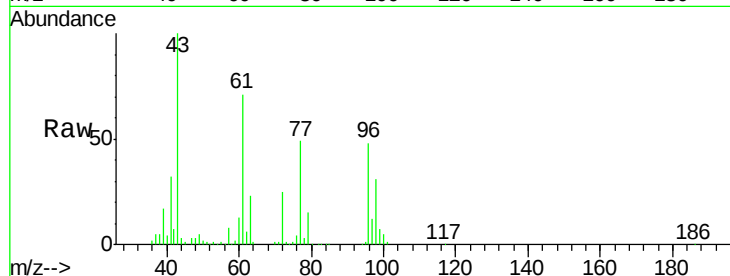
43 100

72 25.3 22.1 33.1

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MMDadoda

3/6/2019 9:16:44 AM



#26

2,2-Dichloropropane

Concen: 47.989 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054108.D

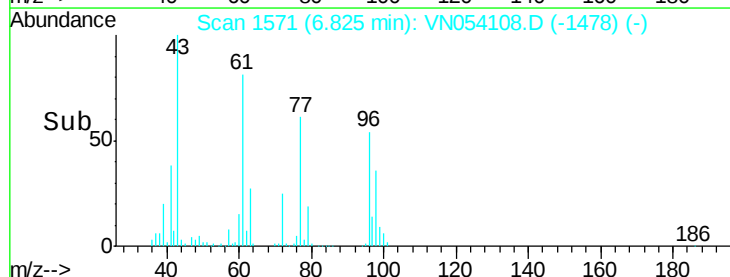
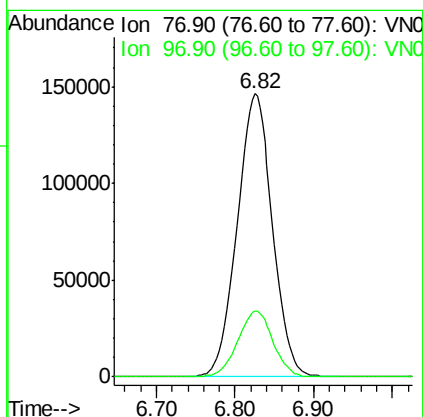
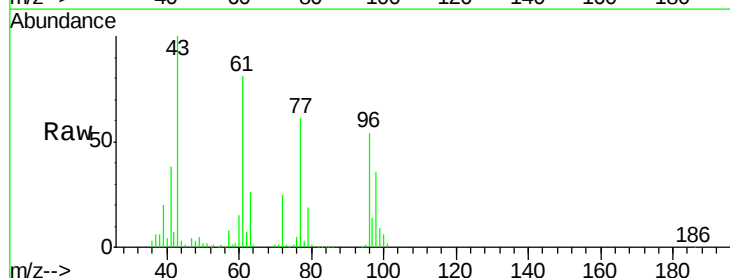
Acq: 5 Mar 2019 19:15

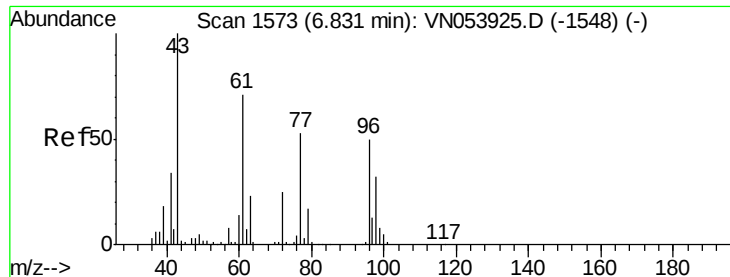
Tgt Ion: 77 Resp: 458715

Ion Ratio Lower Upper

77 100

97 23.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.638 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 387414

Ion Ratio Lower Upper

96 100

61 148.3 0.0 275.6

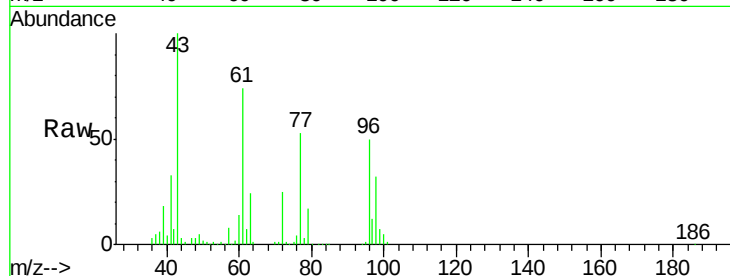
98 64.7 0.0 130.0

Manual Integrations

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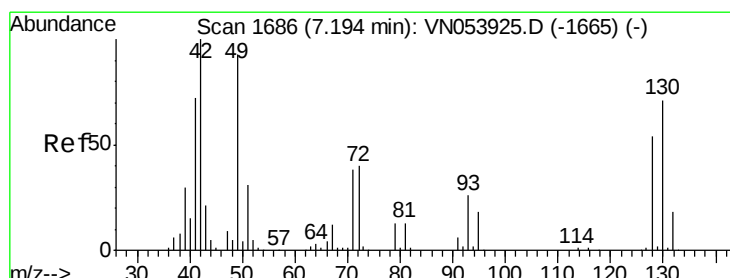
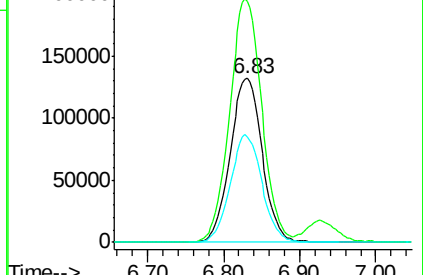
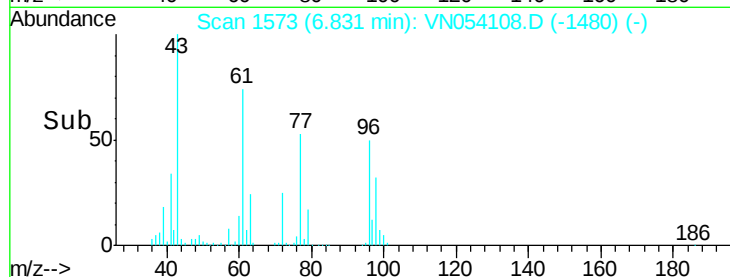


Abundance Ion 95.90 (95.60 to 96.60): VN054108.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054108.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054108.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 51.950 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

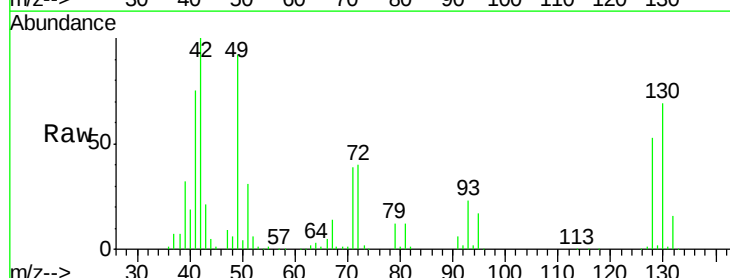
Tgt Ion: 49 Resp: 319930

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 73.4 72.9 109.3

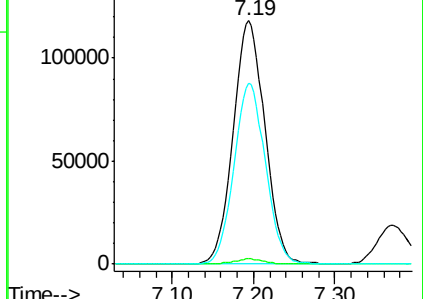
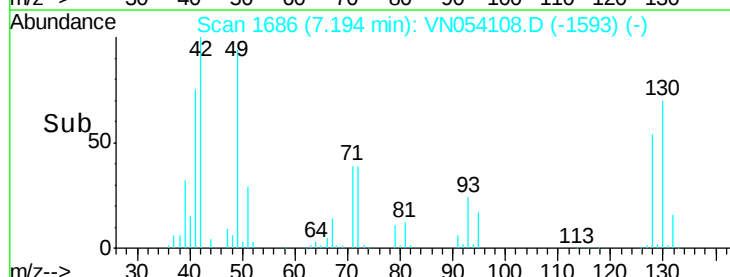


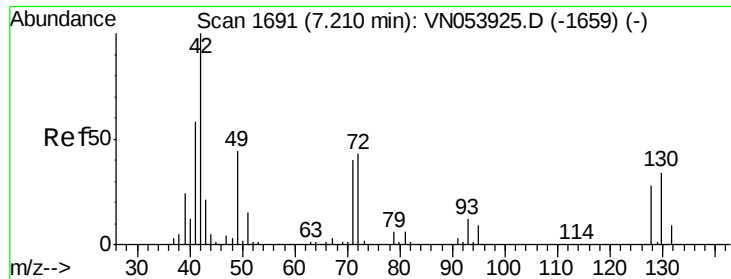
Abundance Ion 48.90 (48.60 to 49.60): VN054108.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054108.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054108.D (-1593) (-)

Time-->





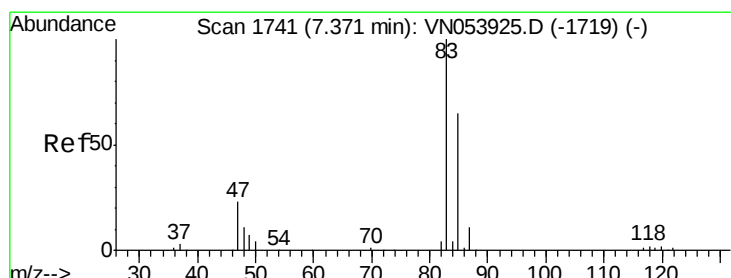
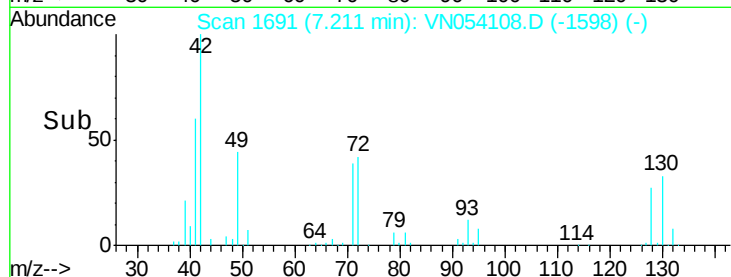
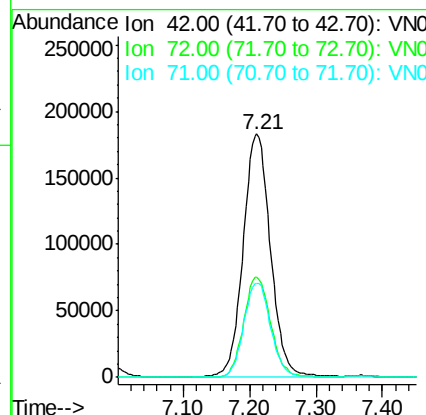
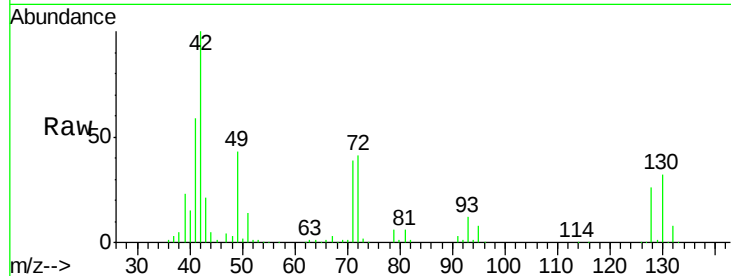
#29
Tetrahydrofuran
Concen: 259.752 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	36.9	55.3
71	38.5	34.6	52.0

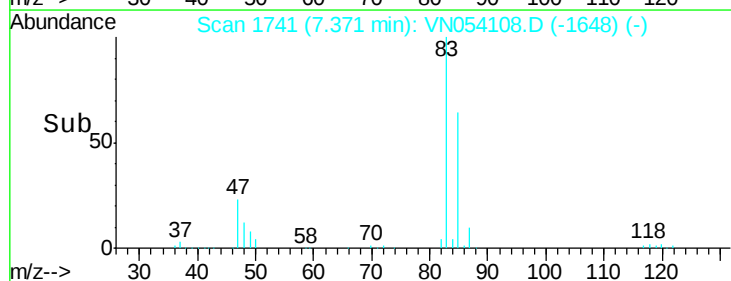
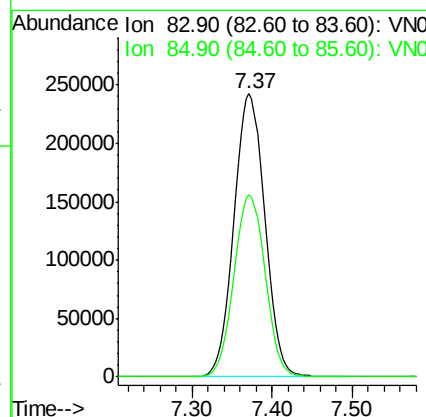
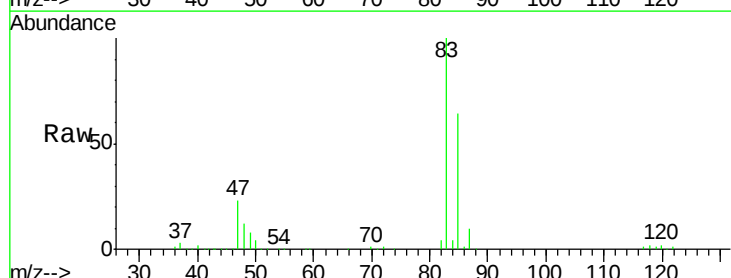
Manual Integrations
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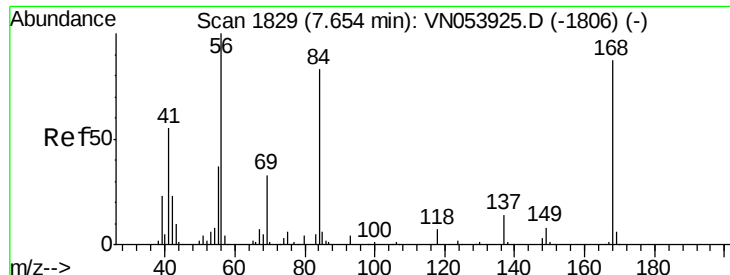
MMDadoda
3/6/2019 9:16:44 AM



#30
Chloroform
Concen: 48.754 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8





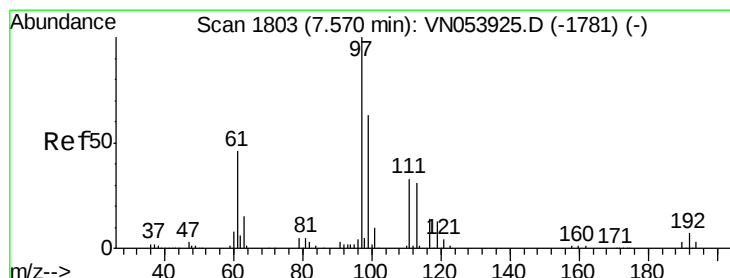
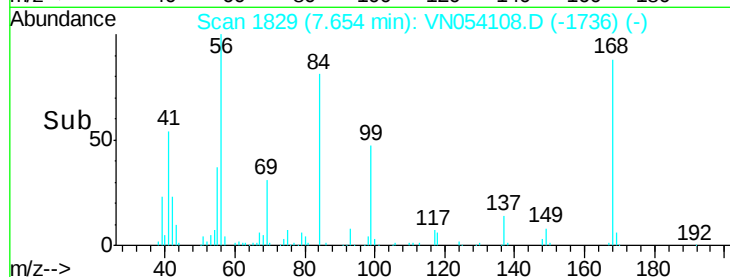
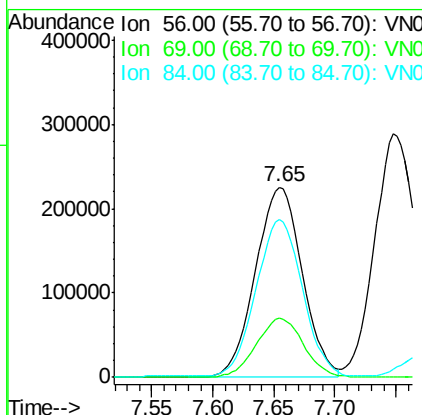
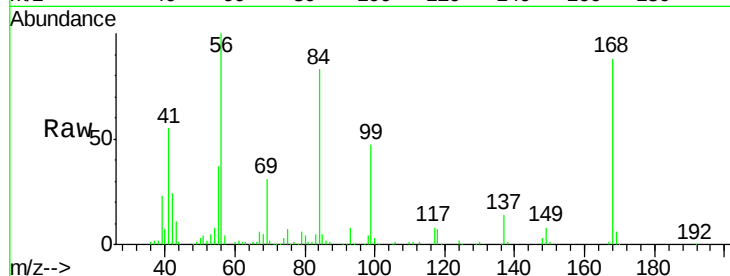
#31
Cyclohexane
Concen: 48.802 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.0	39.0
84	82.3	69.1	103.7

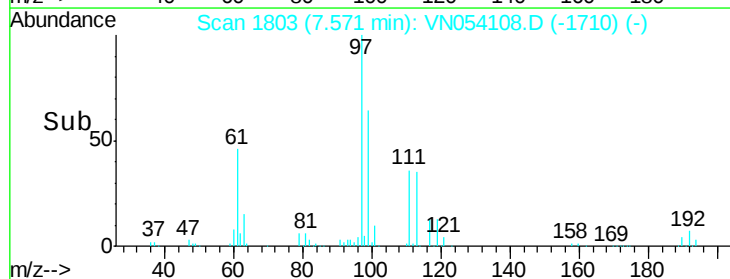
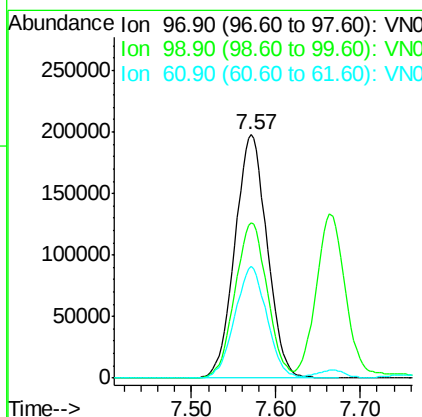
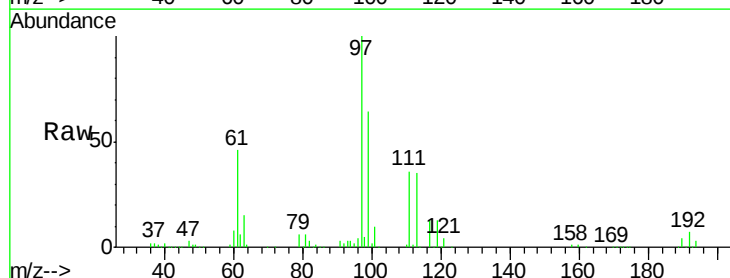
Manual Integrations
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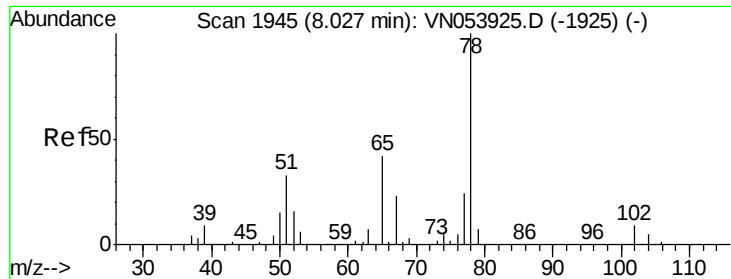
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#32
1,1,1-Trichloroethane
Concen: 49.039 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	45.4	33.2	49.8





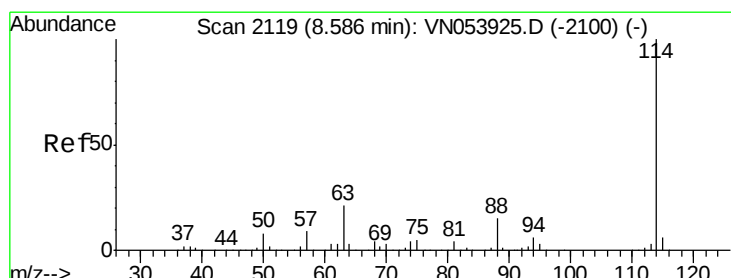
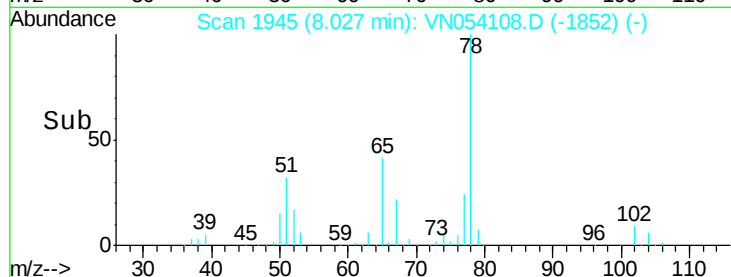
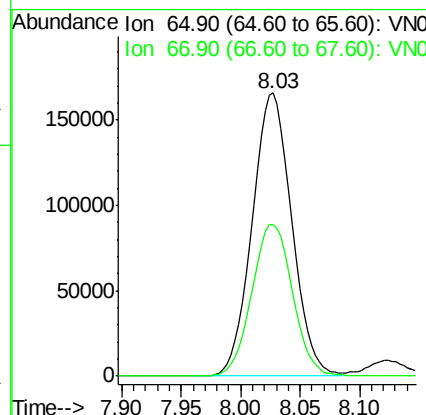
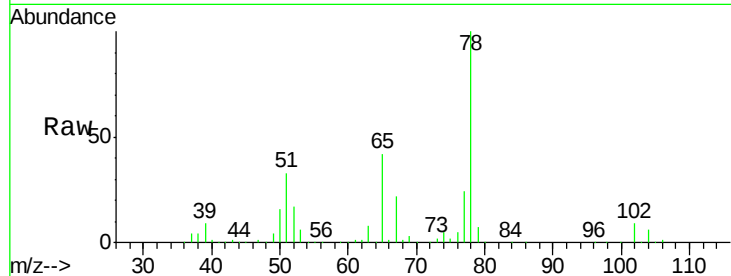
#33
 1,2-Dichloroethane-d4
 Concen: 49.609 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	381970		
67	55.4	0.0	111.8	

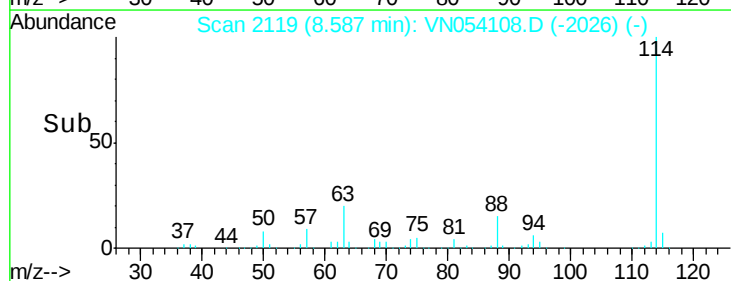
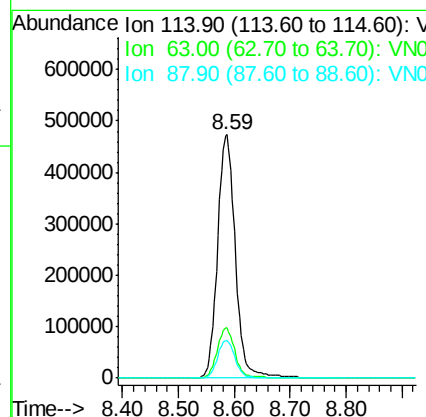
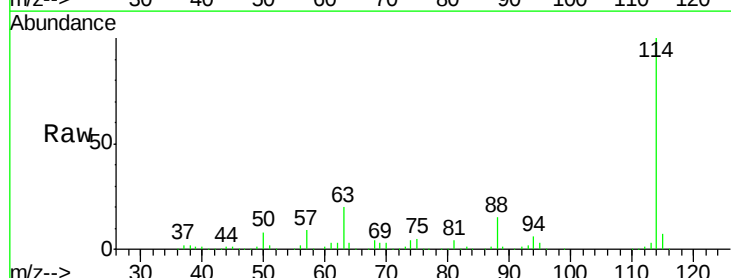
Manual Integrations
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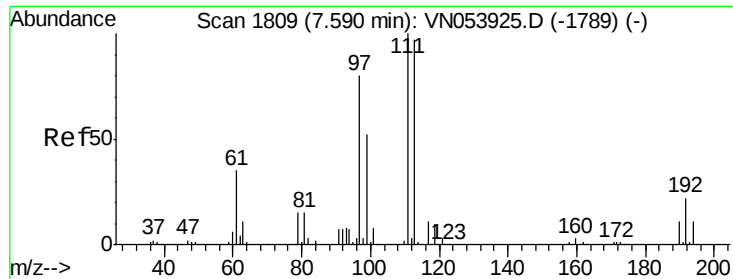
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1050541		
63	20.5	0.0	37.4	
88	15.5	0.0	30.4	





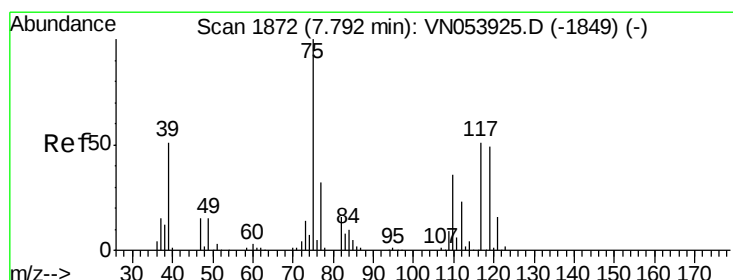
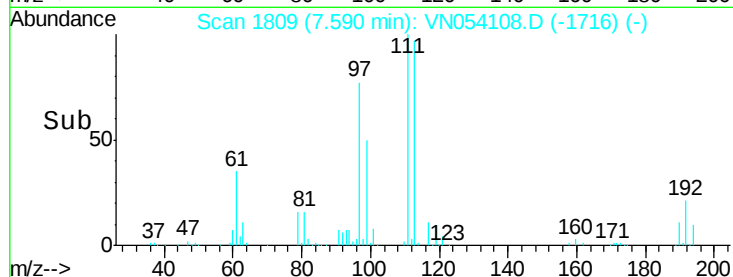
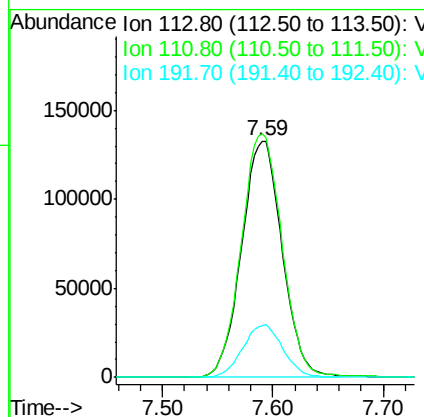
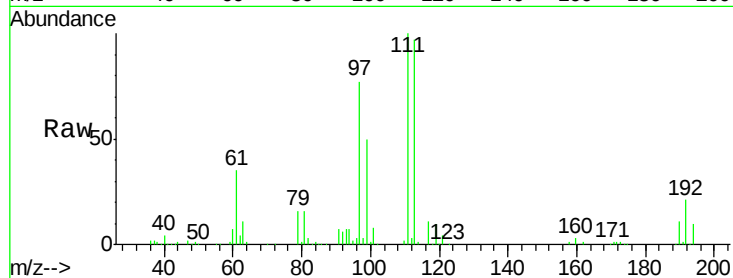
#35
Dibromofluoromethane
Concen: 49.801 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	81.1	121.7	
192	22.0	18.8	28.2	

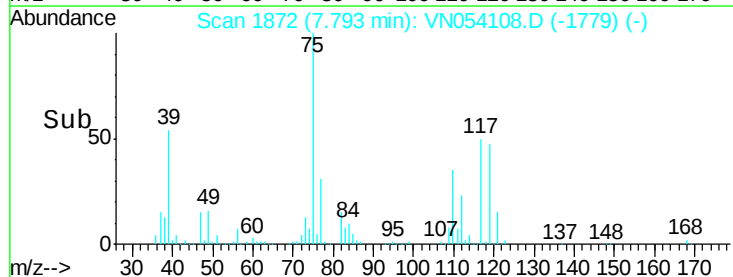
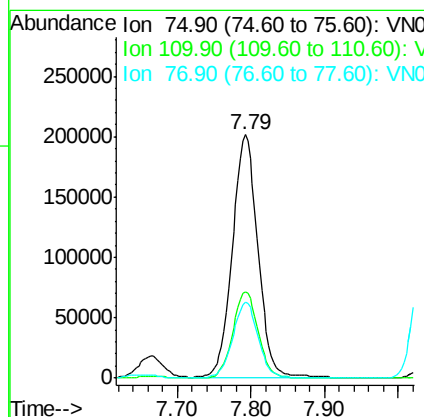
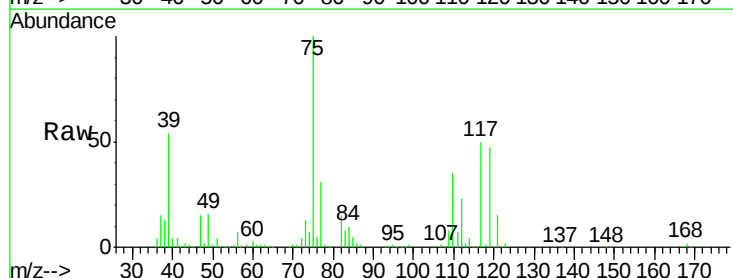
Manual Integrations
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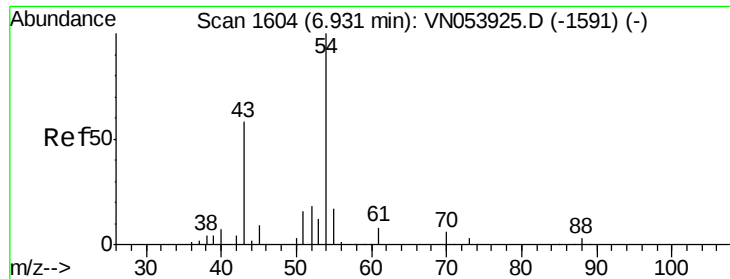
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3/6/2019 9:16:44 AM



#36
1,1-Dichloropropene
Concen: 49.773 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	19.0	57.0	
77	31.2	25.4	38.0	





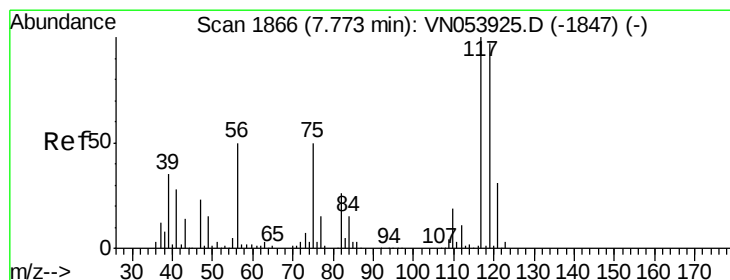
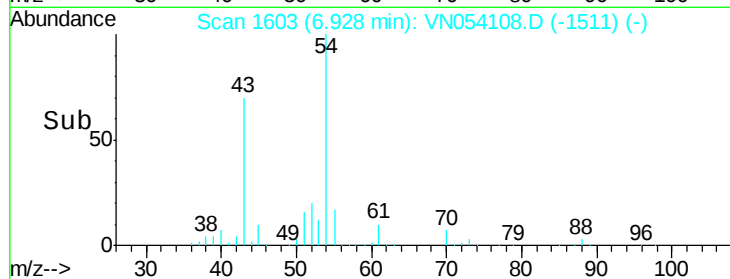
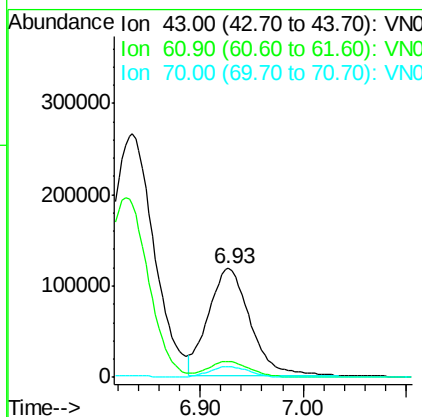
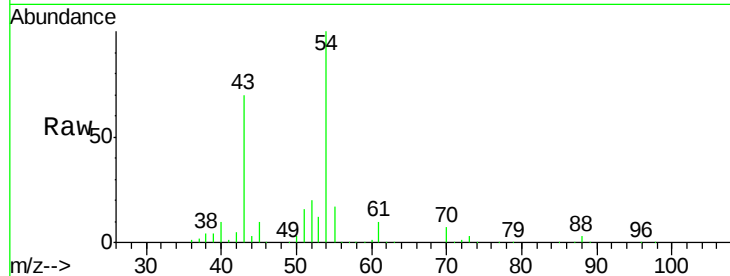
#37
Ethyl Acetate
Concen: 47.704 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	9.7	8.7	13.1

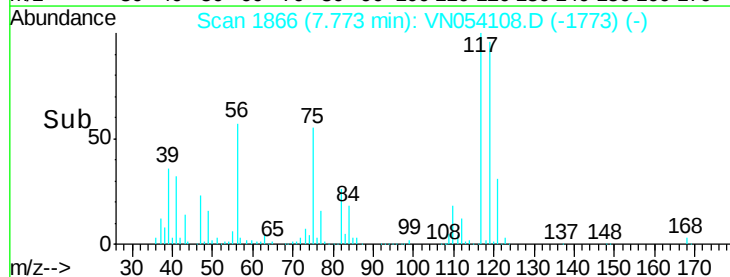
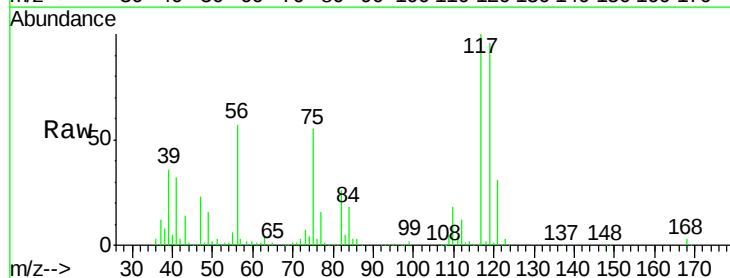
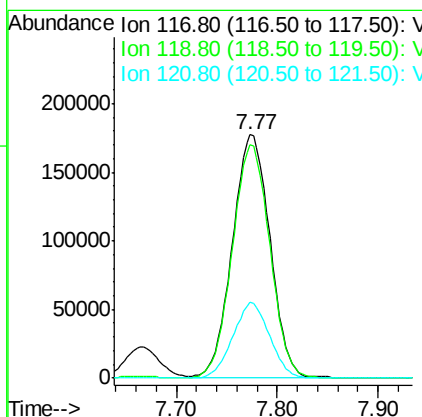
Manual Integrations
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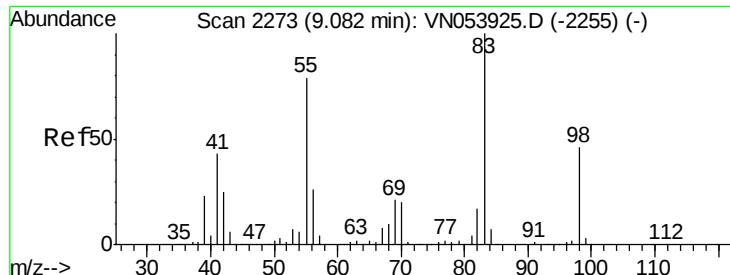
MMDadoda
3/6/2019 9:16:44 AM



#38
Carbon Tetrachloride
Concen: 45.043 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	31.2	24.6	36.8





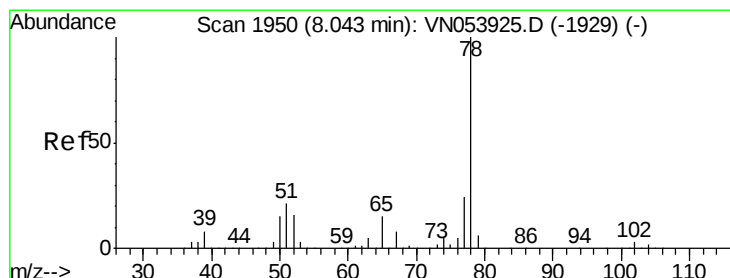
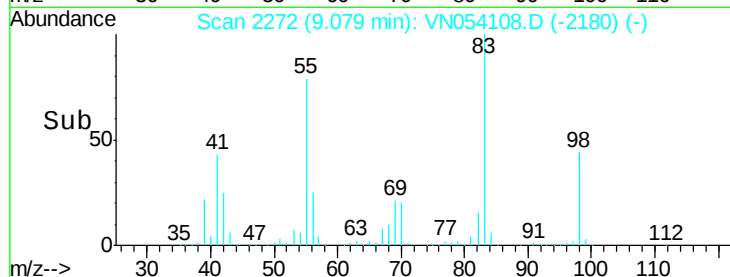
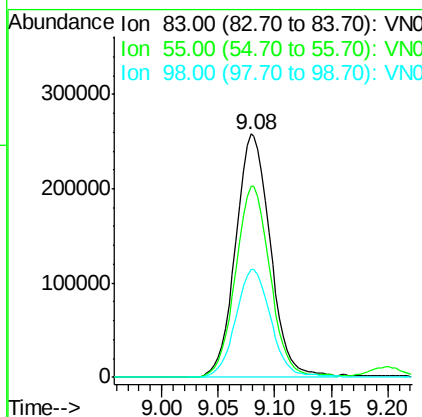
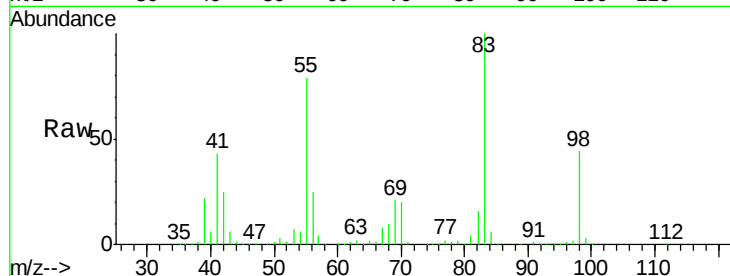
#39
Methvlcvclohexane
Concen: 46.985 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	58.2	87.4
98	44.4	37.2	55.8

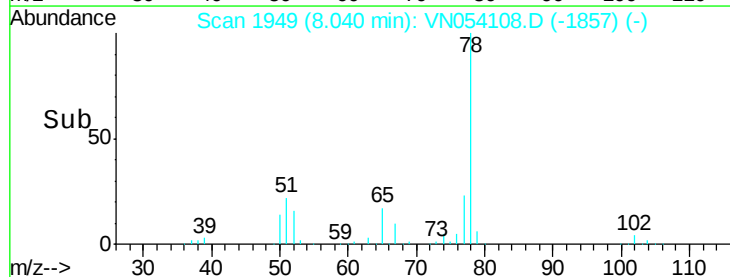
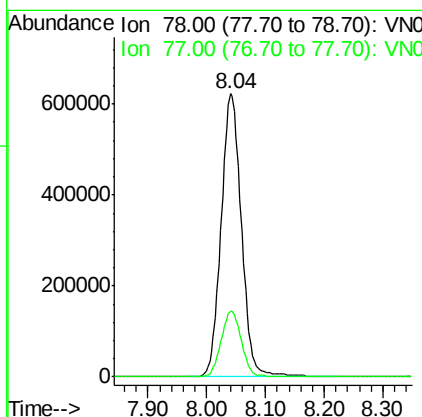
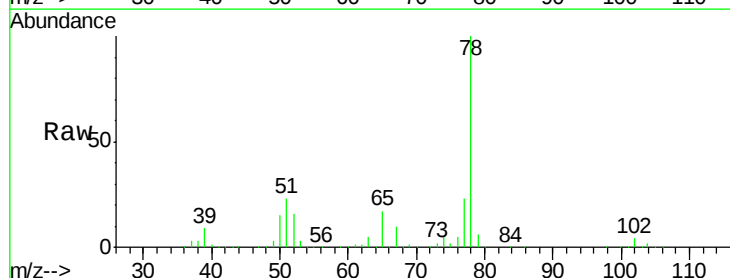
Manual Integrations
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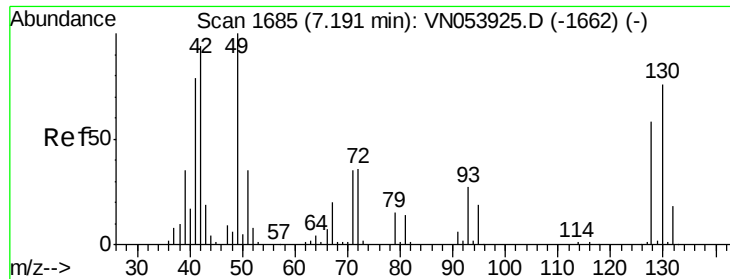
MMDadoda
3/6/2019 9:16:44 AM



#40
Benzene
Concen: 49.515 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





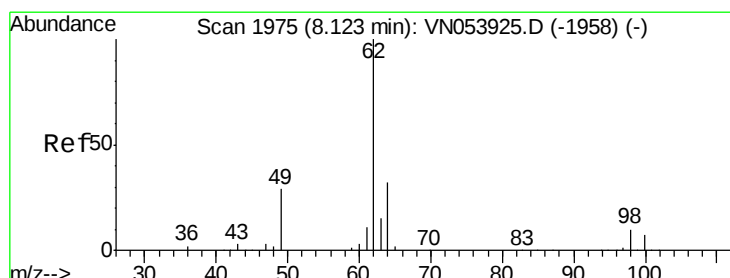
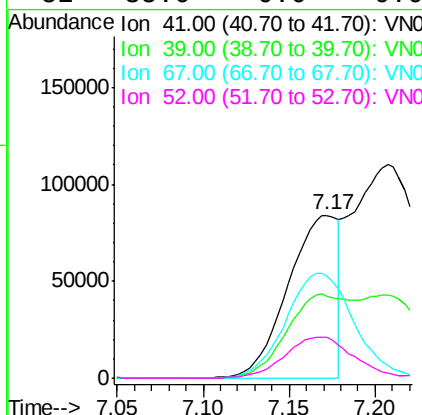
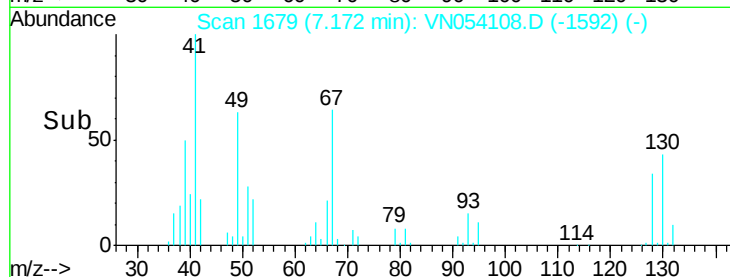
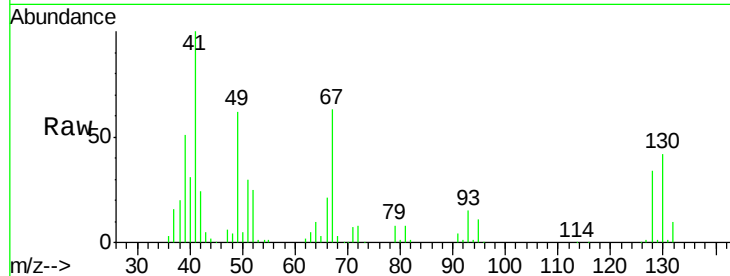
#41
Methacrylonitrile
Concen: 37.613 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	168952
Ion	Ratio	Lower	Upper
41	100		
39	66.3	0.0	0.0#
67	89.8	0.0	0.0#
52	35.0	0.0	0.0#

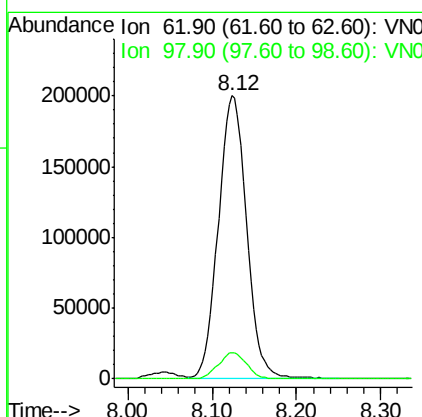
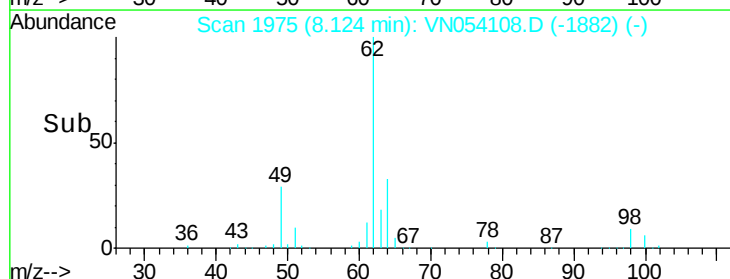
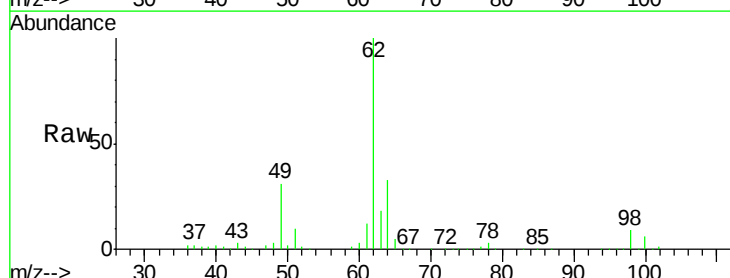
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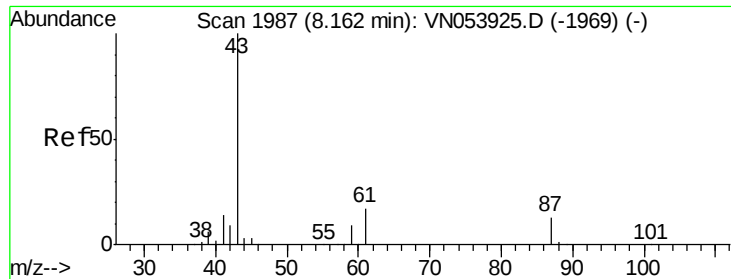
MMDadoda
3/6/2019 9:16:44 AM



#42
1,2-Dichloroethane
Concen: 50.020 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	62	Resp	464773
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 50.165 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

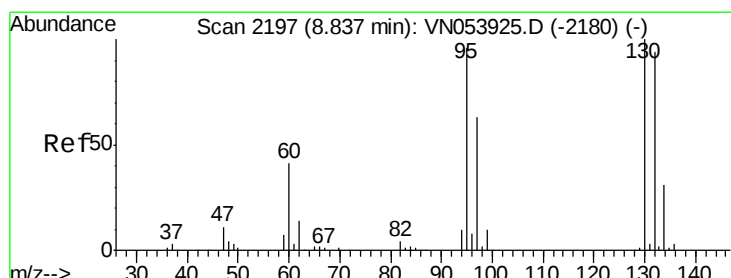
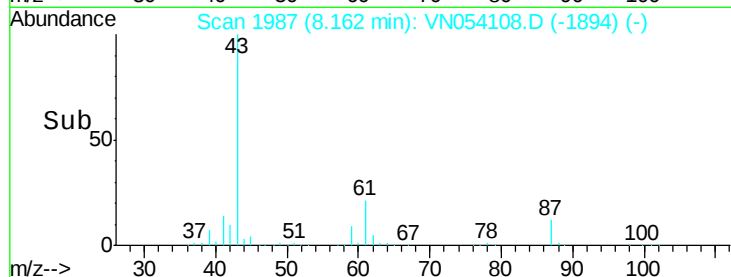
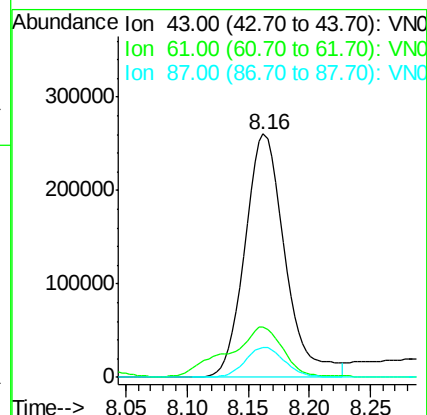
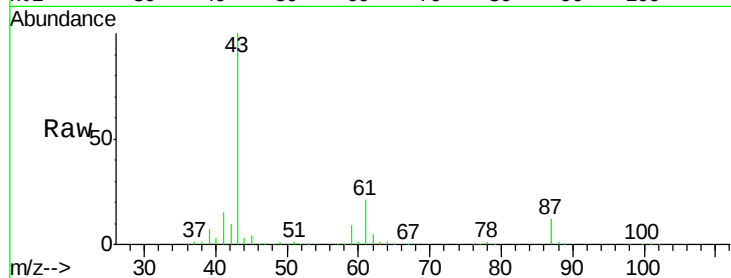
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	590859
Ion	Ratio	Lower	Upper
43	100		
61	27.9	17.4	26.0#
87	12.2	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 48.239 ug/l

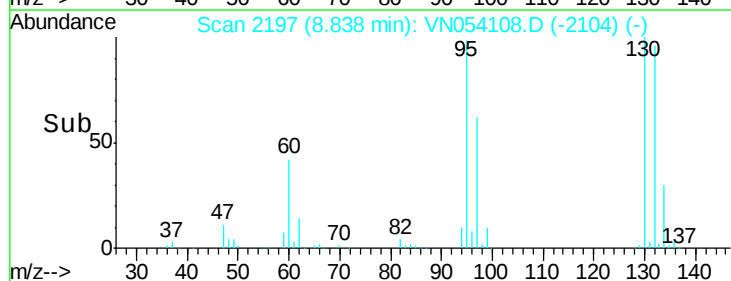
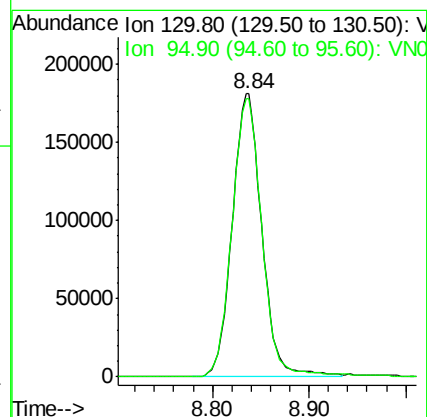
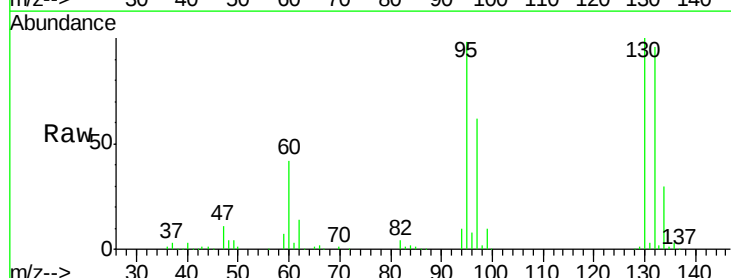
RT: 8.84 min Scan# 2197

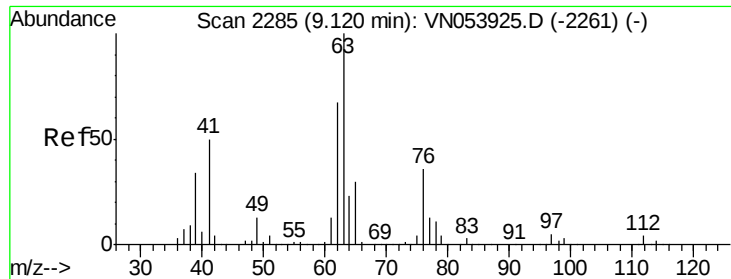
Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	130	Resp:	383826
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	190.0





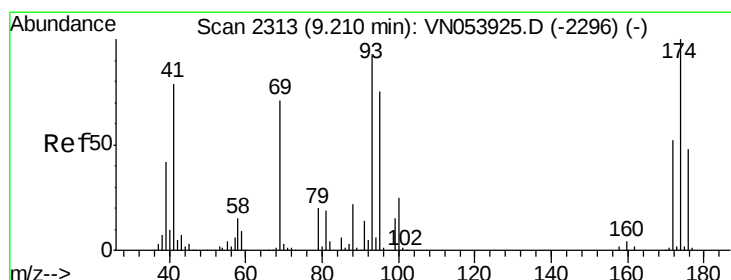
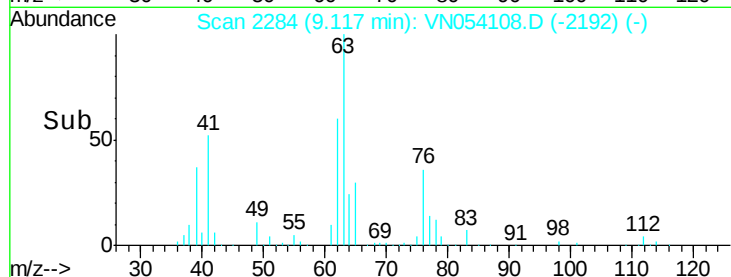
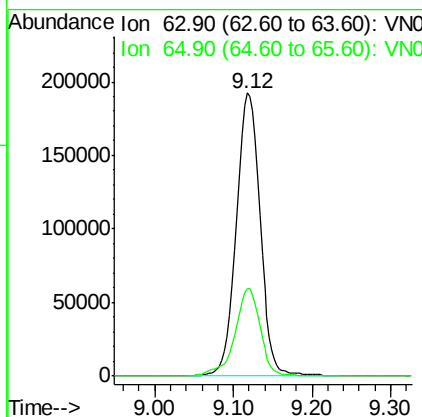
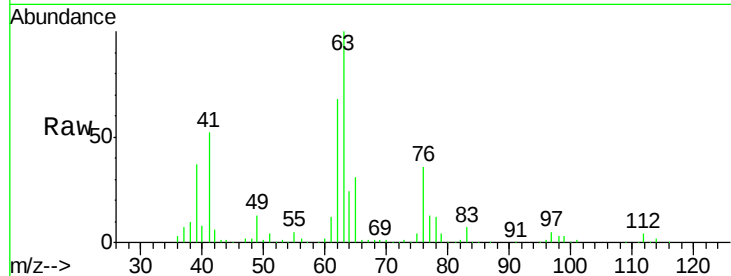
#45
 1,2-Dichloropropane
 Concen: 50.382 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 407957
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5

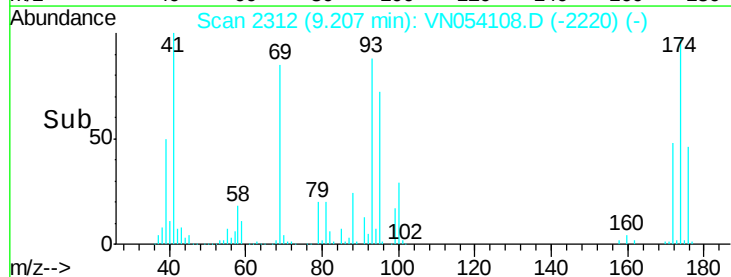
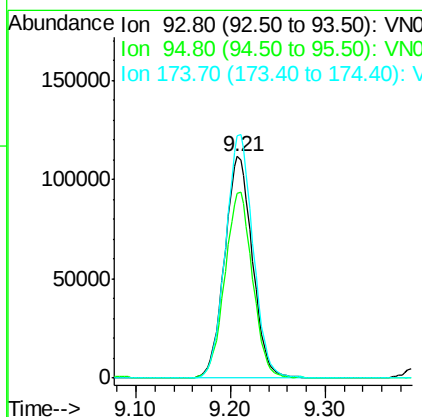
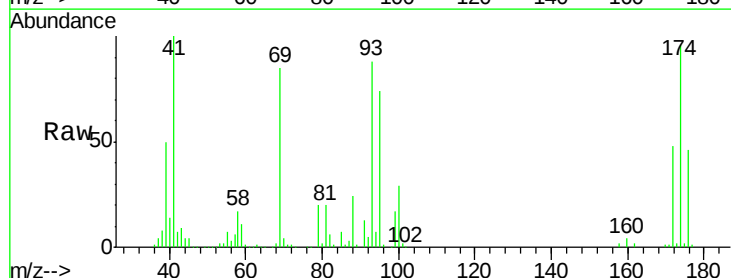
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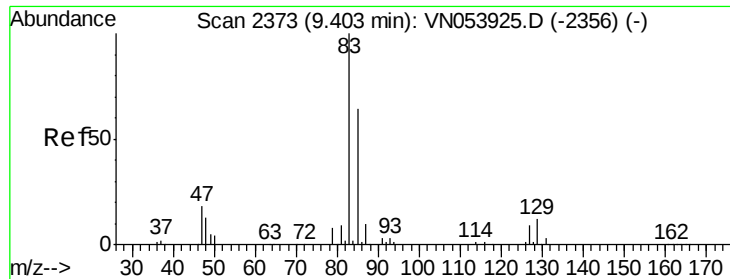
MMDadoda
 3/6/2019 9:16:44 AM



#46
 Dibromomethane
 Concen: 48.688 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 93 Resp: 228877
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 108.5 96.2 144.4





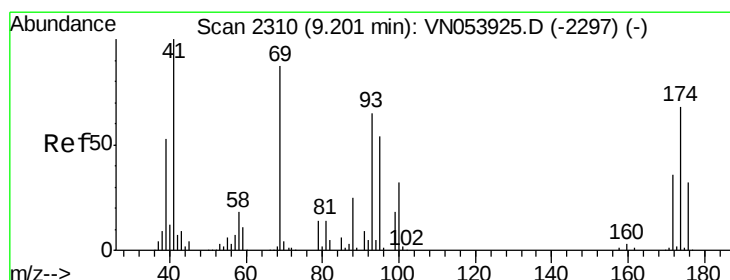
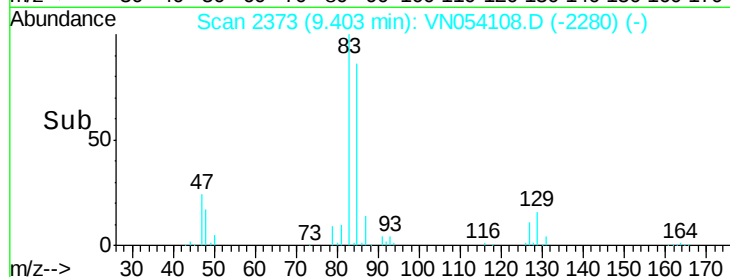
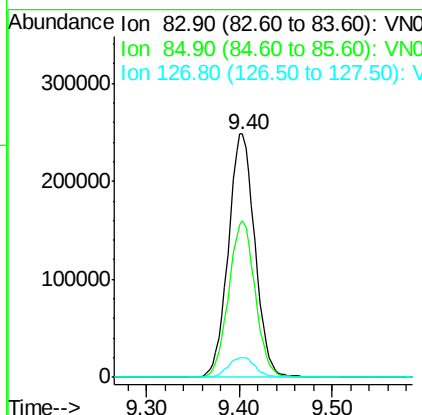
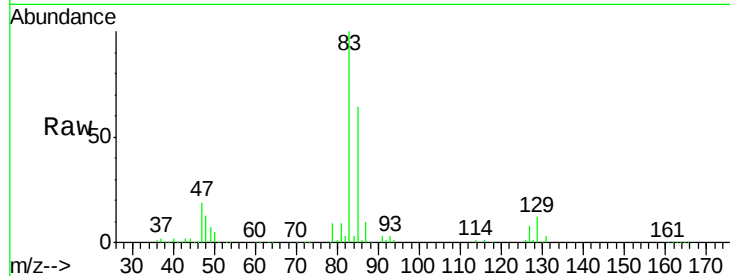
#47
Bromodichloromethane
Concen: 49.790 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	493266
Ion Ratio	100		
83	100		
85	64.3	51.8	77.6
127	8.2	7.4	11.0

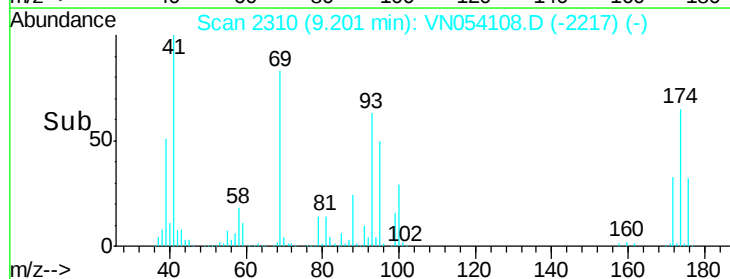
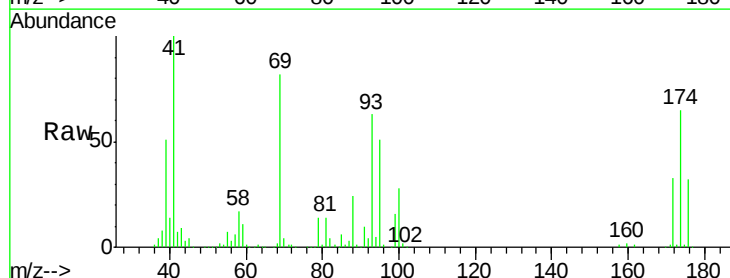
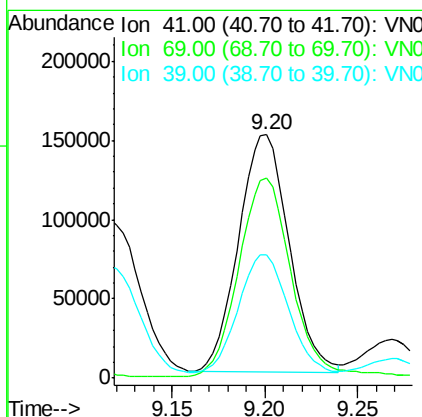
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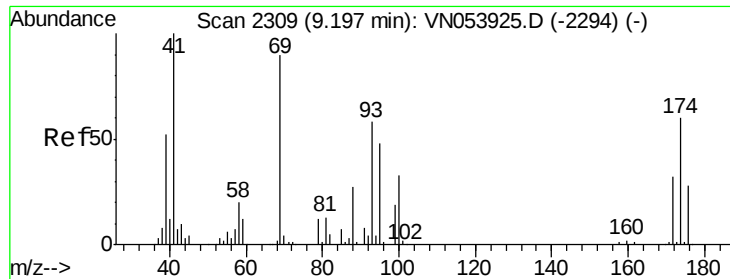
MMDadoda
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#48
Methyl methacrylate
Concen: 52.556 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	41	Resp	284733
Ion Ratio	100		
41	100		
69	89.3	74.8	112.2
39	53.9	39.0	58.6





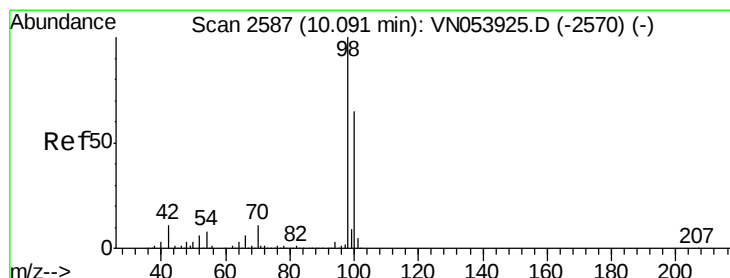
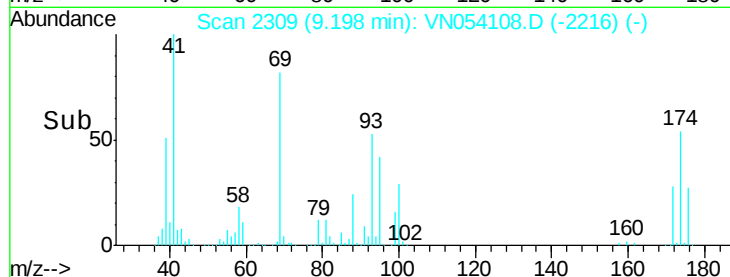
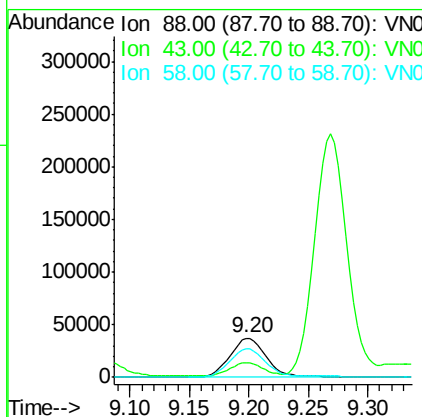
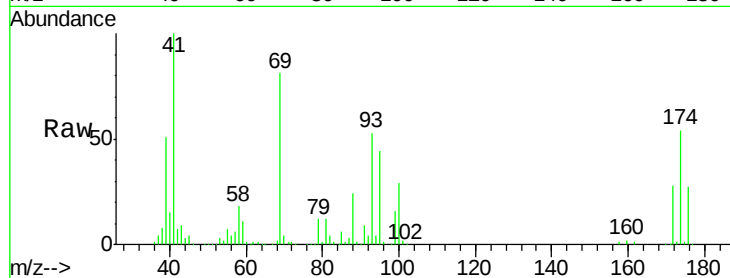
#49
 1,4-Dioxane
 Concen: 1083.535 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	79508
Ion	Ratio	Lower	Upper
88	100		
43	31.2	21.2	31.8
58	73.2	54.2	81.2

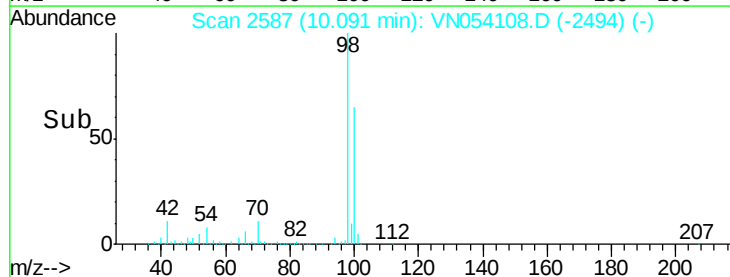
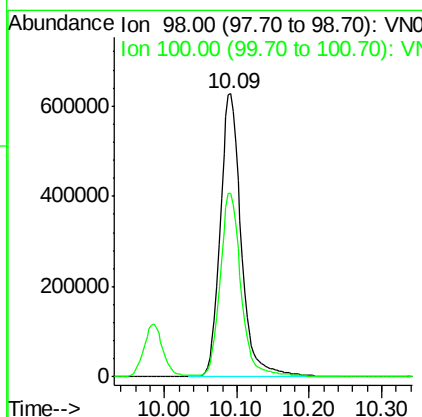
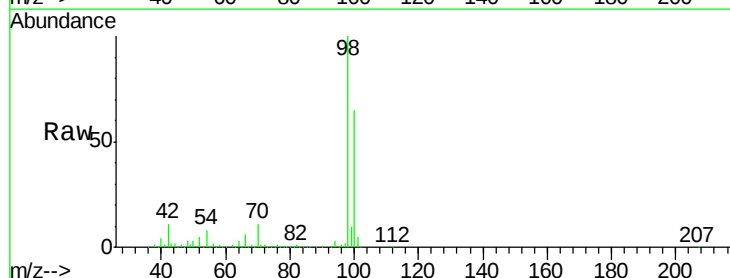
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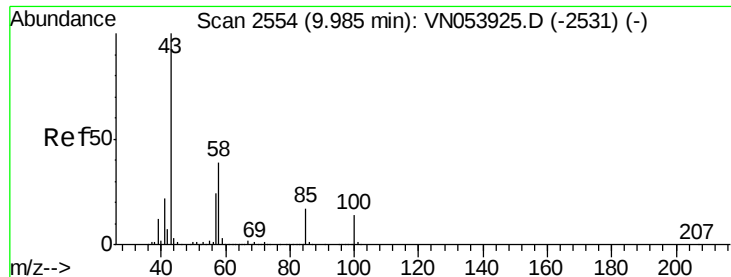
MMDadoda
 3/6/2019 9:16:44 AM



#50
 Toluene-d8
 Concen: 49.822 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	98	Resp	1259934
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 271.760 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1644818

Ion Ratio Lower Upper

43 100

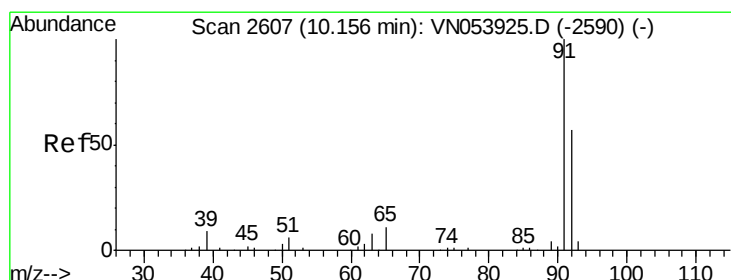
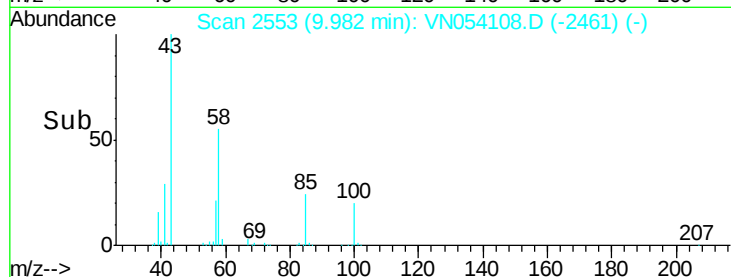
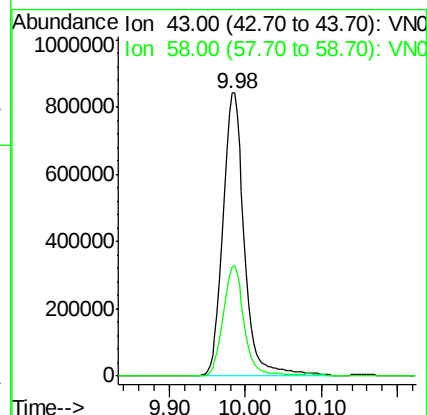
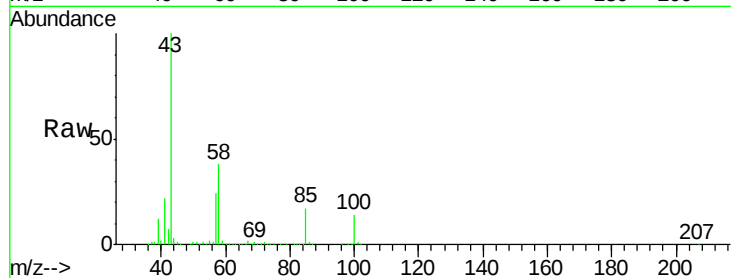
58 38.1 32.7 49.1

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#52

Toluene

Concen: 50.222 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054108.D

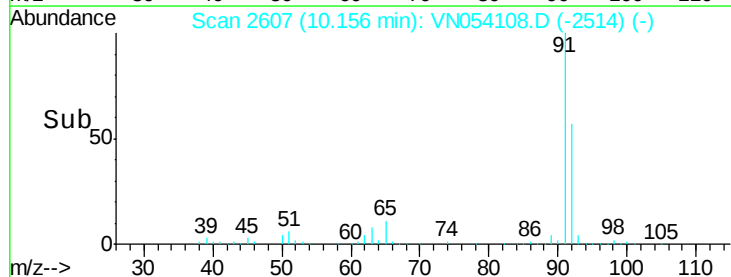
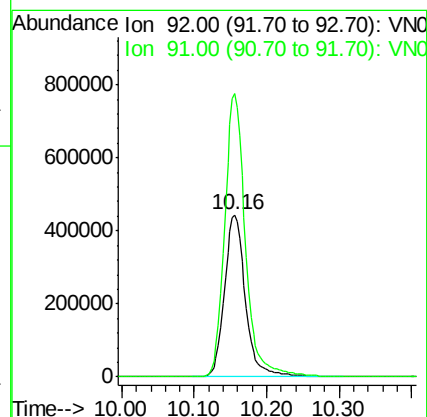
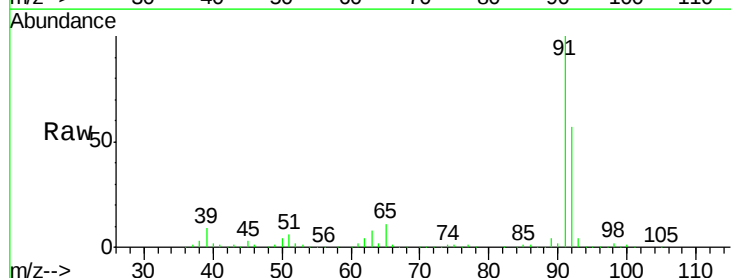
Acq: 5 Mar 2019 19:15

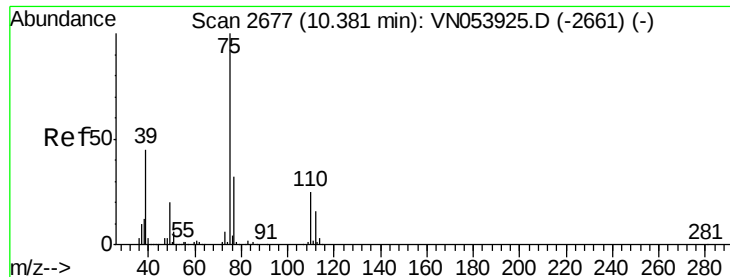
Tgt Ion: 92 Resp: 887558

Ion Ratio Lower Upper

92 100

91 173.2 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 50.936 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 490993

Ion Ratio Lower Upper

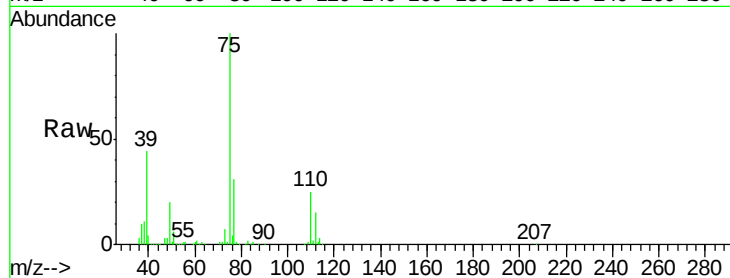
75 100

77 31.2 25.0 37.6

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

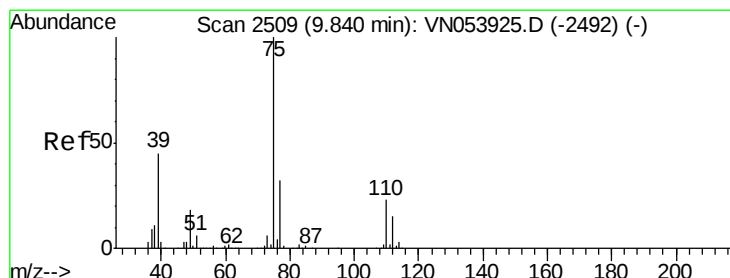
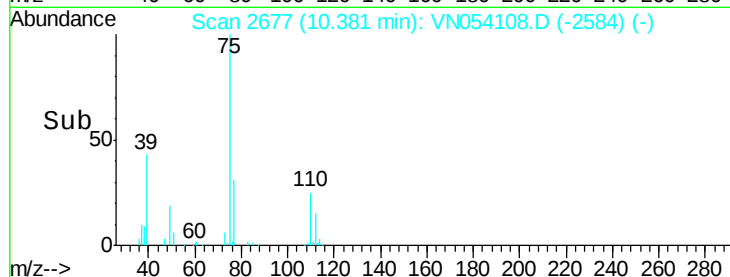
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.871 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

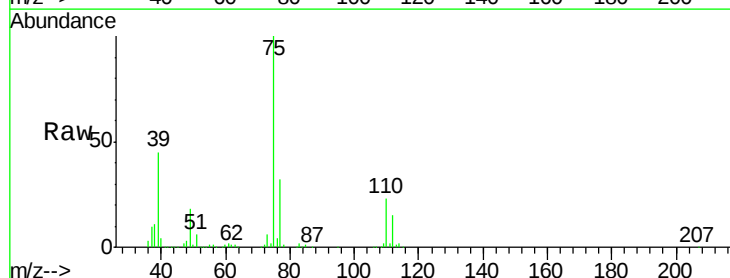
Tgt Ion: 75 Resp: 578078

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6

39 44.8 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

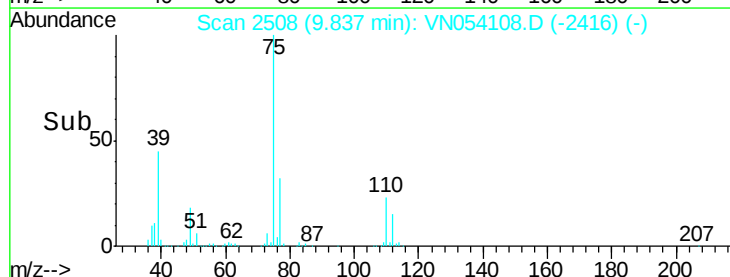
300000

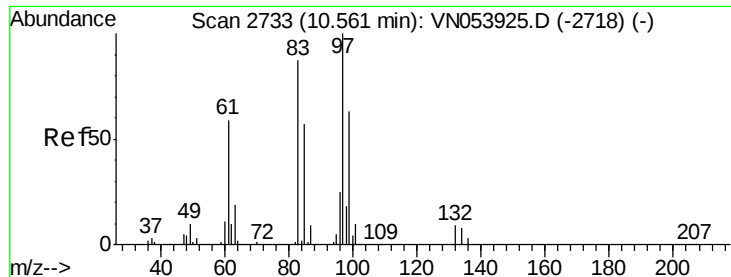
200000

100000

0

Time-->





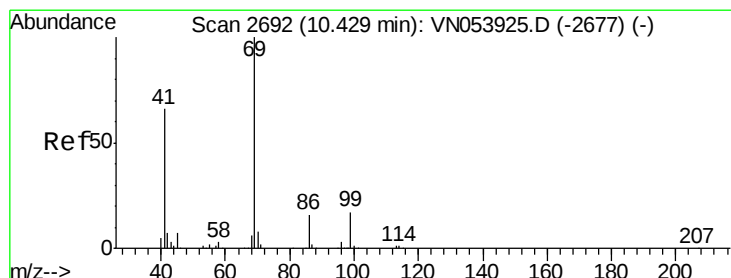
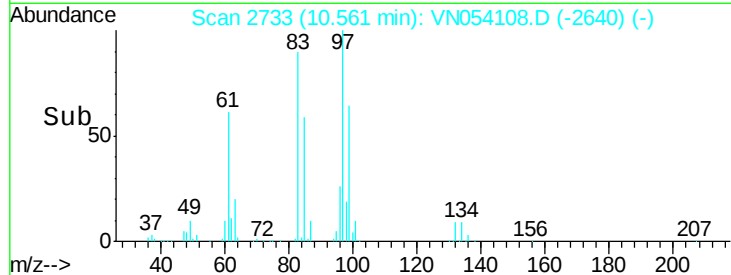
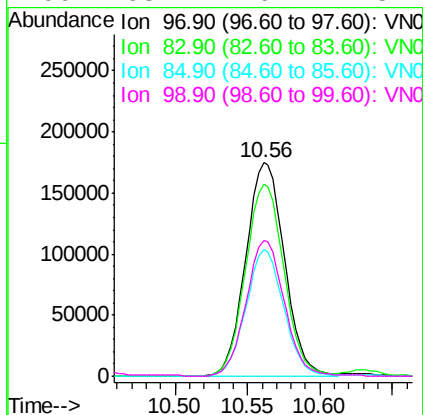
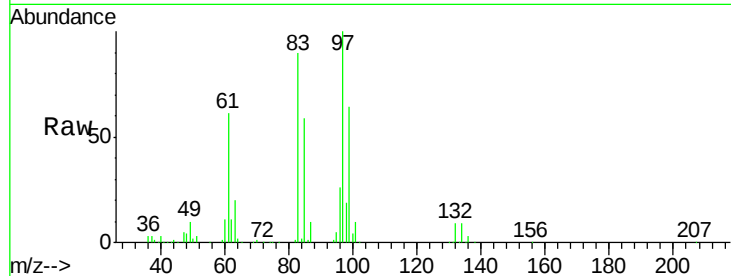
#55
 1,1,2-Trichloroethane
 Concen: 49.357 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	325758
Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.5	104.3
85	59.4	45.9	68.9
99	63.4	49.1	73.7

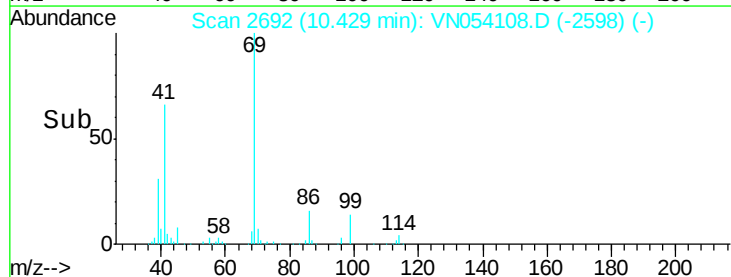
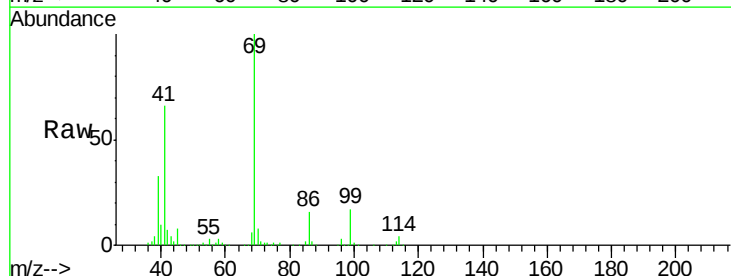
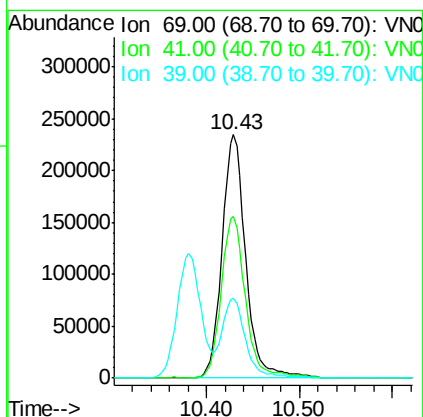
Manual Integrations
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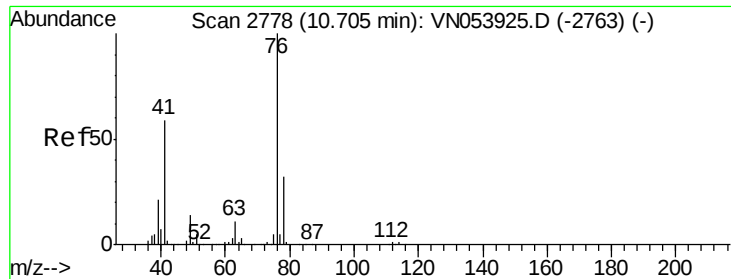
MMDadoda
 3/6/2019 9:16:44 AM



#56
 Ethyl methacrylate
 Concen: 48.107 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion:	69	Resp:	415646
Ion	Ratio	Lower	Upper
69	100		
41	66.8	47.5	71.3
39	32.4	23.4	35.0





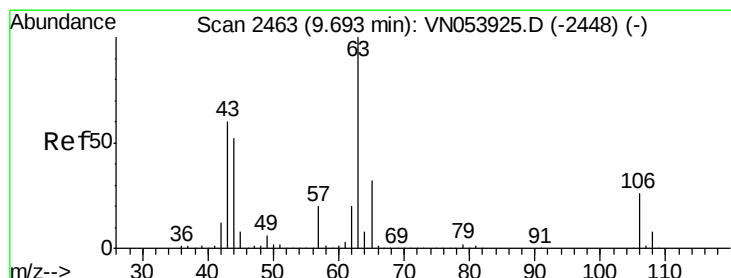
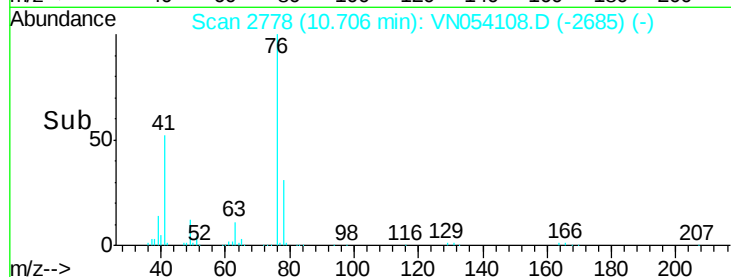
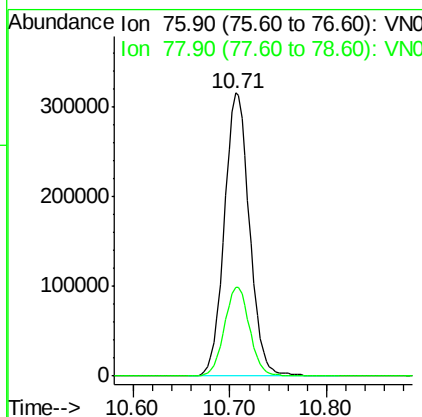
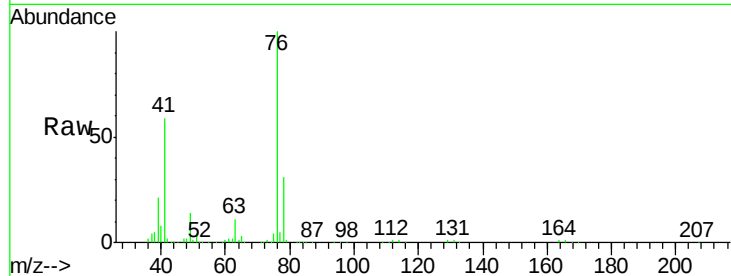
#57
 1,3-Dichloropropane
 Concen: 51.059 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 569391
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

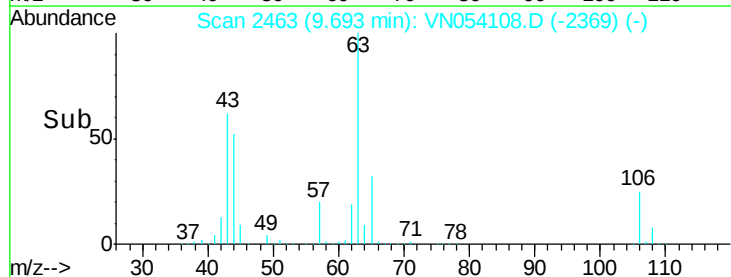
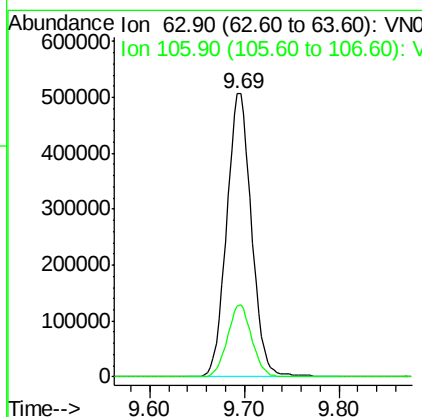
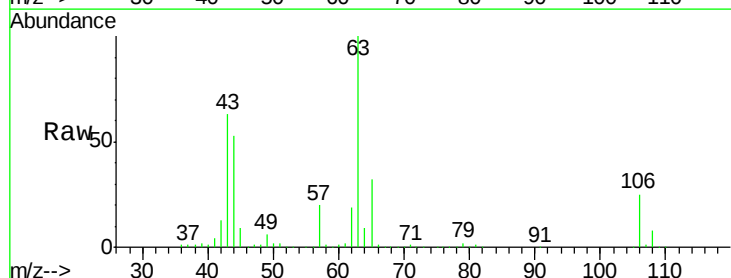
Manual Integrations
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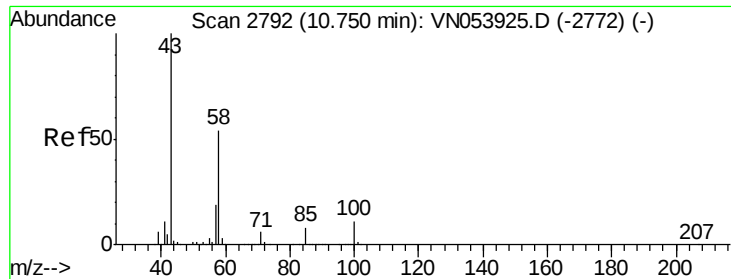
MMDadoda
 3/6/2019 9:16:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.876 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion: 63 Resp: 925771
 Ion Ratio Lower Upper
 63 100
 106 24.9 22.2 33.2





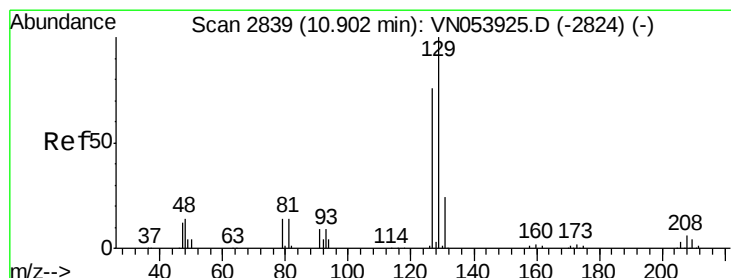
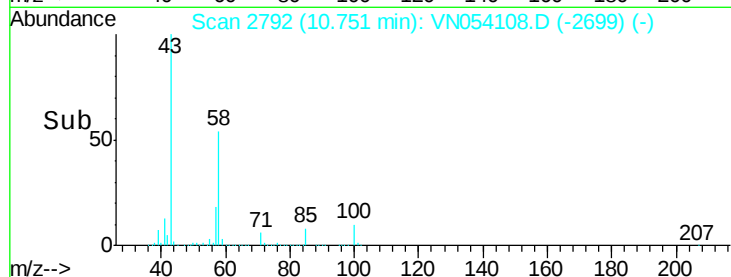
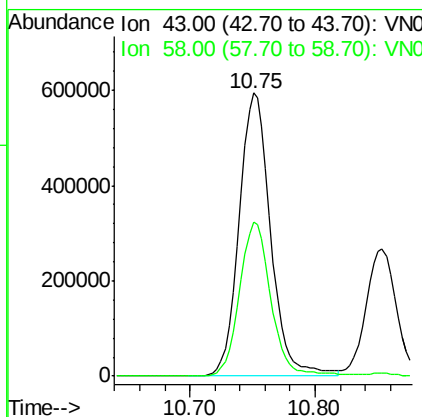
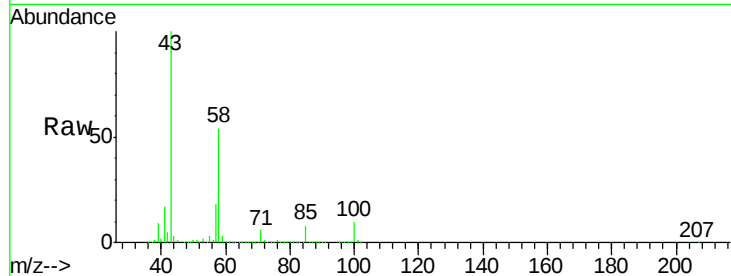
#59
2-Hexanone
Concen: 262.923 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1034974
Ion Ratio Lower Upper
43 100
58 54.6 29.1 87.4

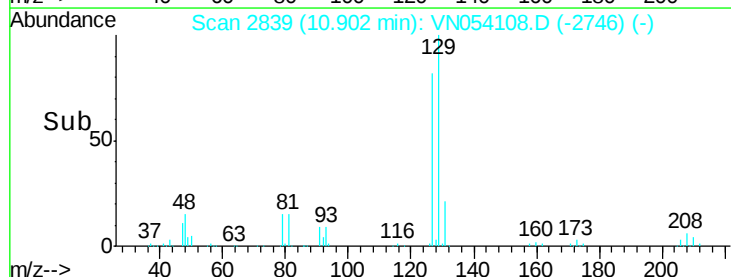
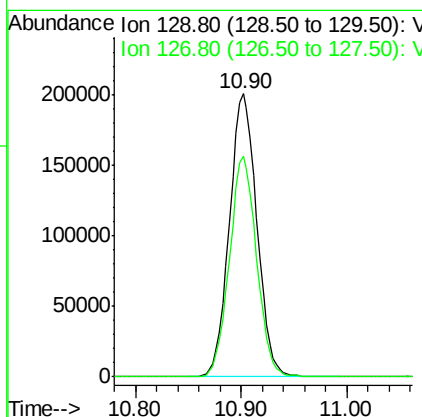
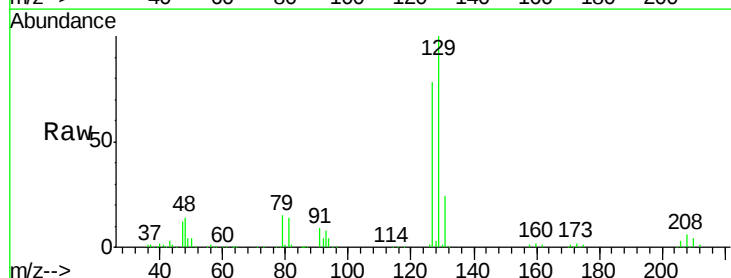
Manual Integrations
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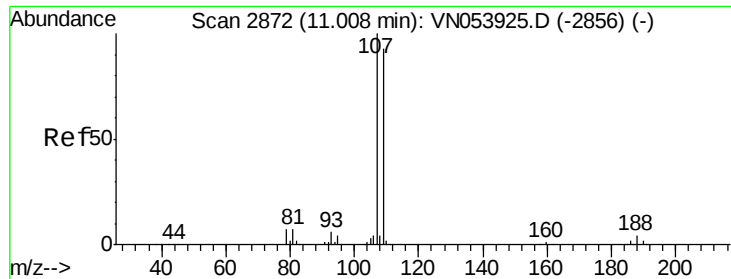
MMDadoda
3/6/2019 9:16:44 AM



#60
Dibromochloromethane
Concen: 49.191 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 129 Resp: 360814
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





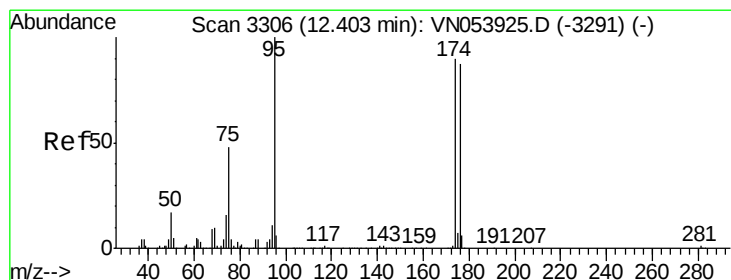
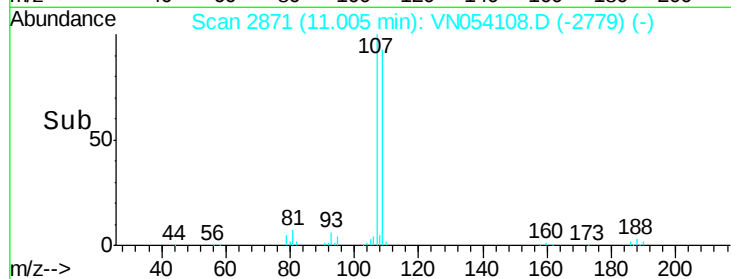
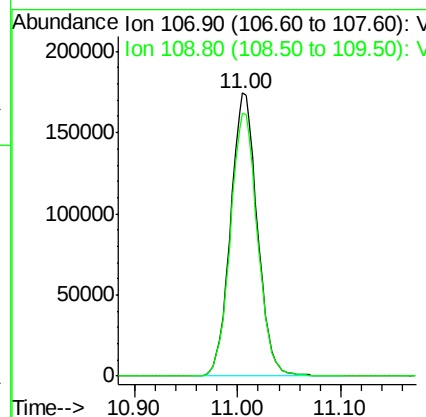
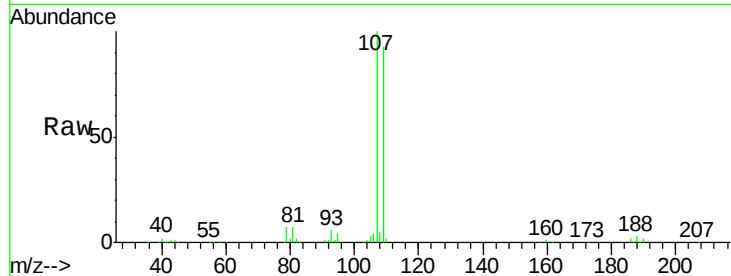
#61
 1,2-Dibromoethane
 Concen: 49.514 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.3	114.5

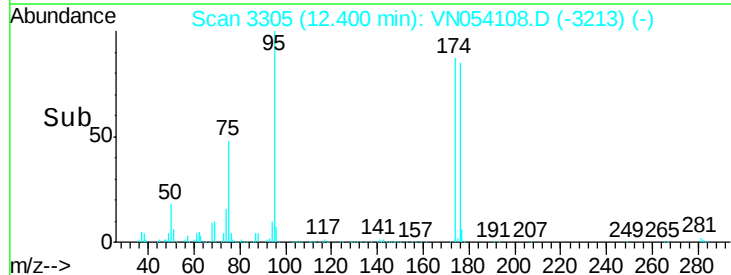
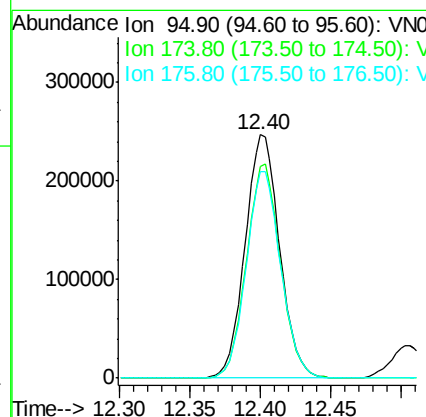
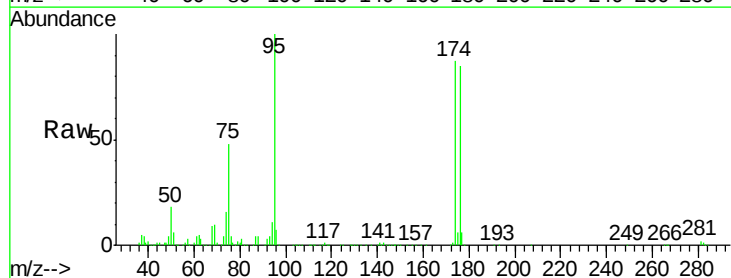
Manual Integrations
 APPROVED

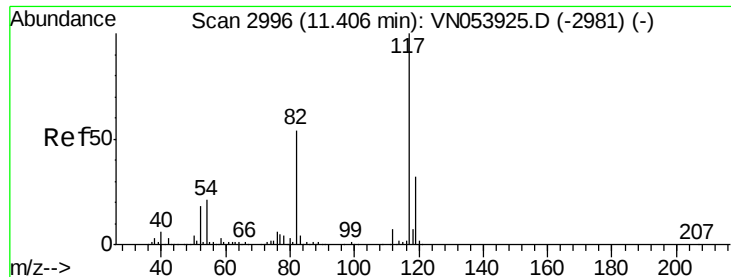
MMDadoda
 3/6/2019 9:16:44 AM



#62
 4-Bromofluorobenzene
 Concen: 50.305 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	188.8
176	84.9	0.0	182.6





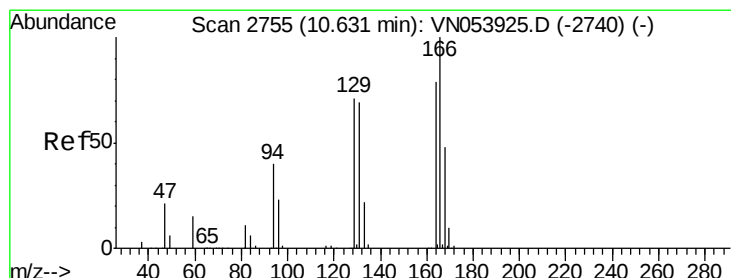
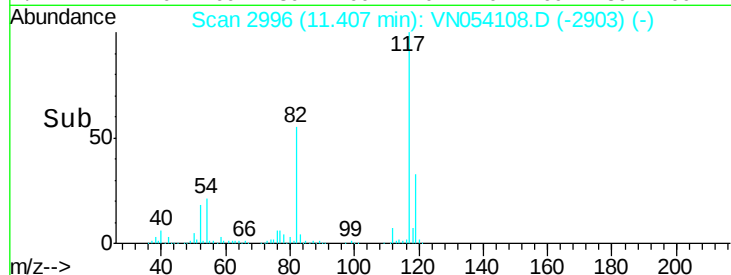
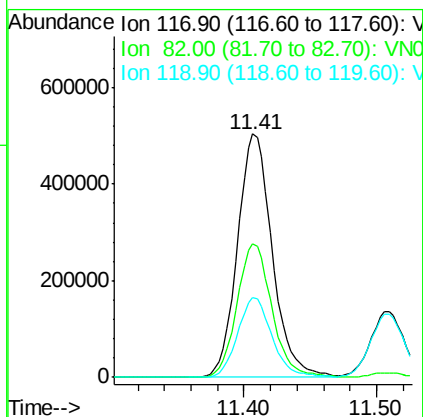
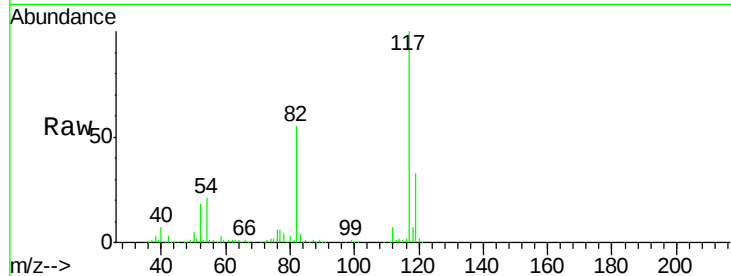
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	41.4	62.2
119	32.7	25.3	37.9

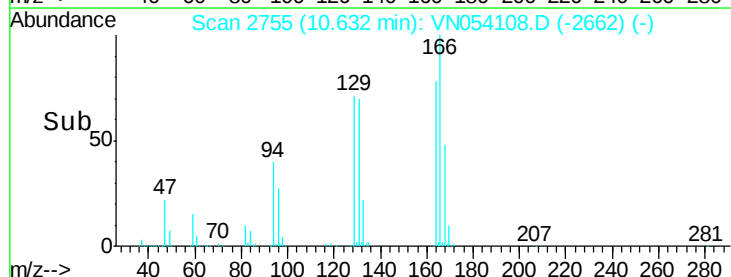
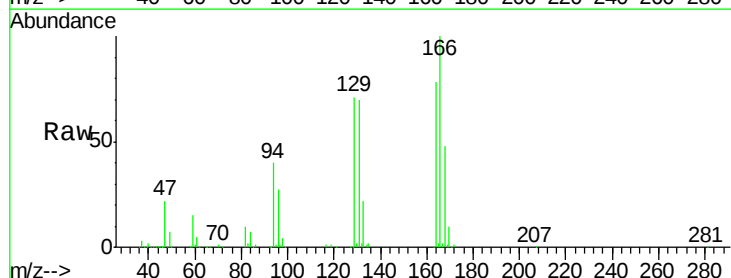
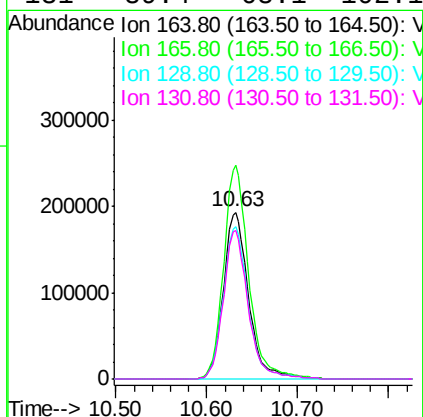
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.625 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.6	153.8
129	91.1	69.4	104.0
131	89.4	68.1	102.1





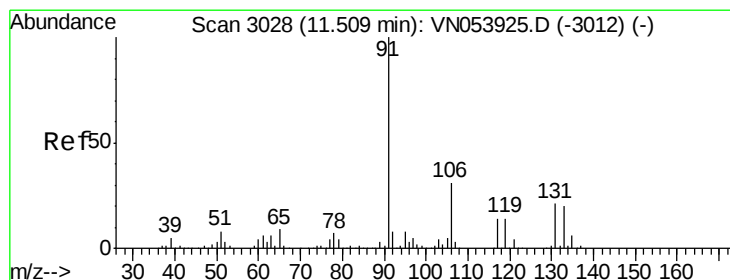
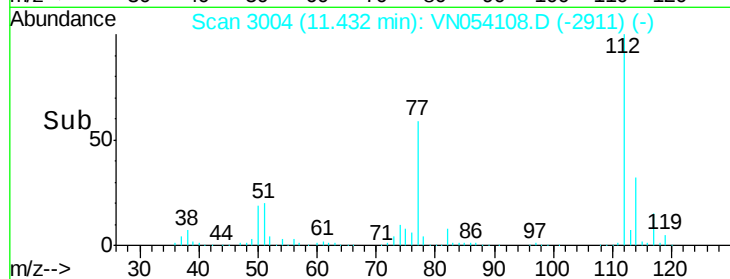
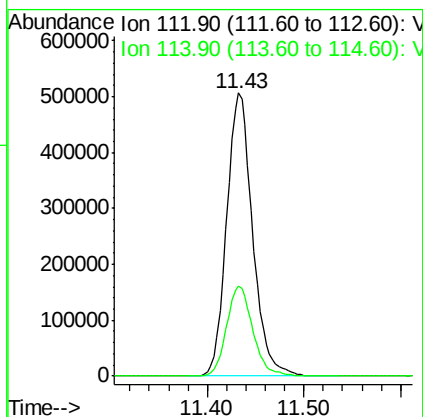
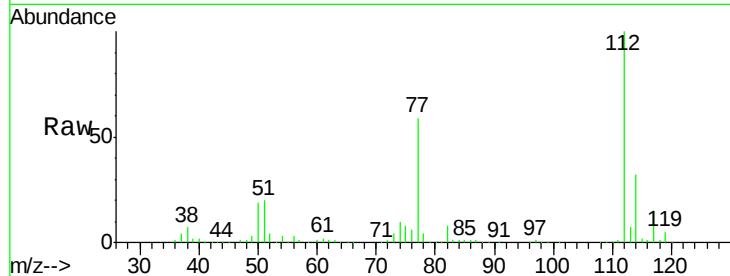
#65
Chlorobenzene
Concen: 48.497 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 941631
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

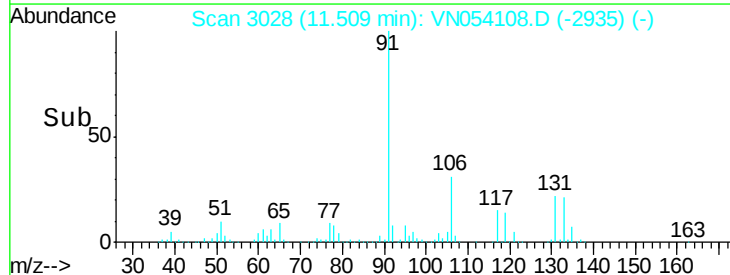
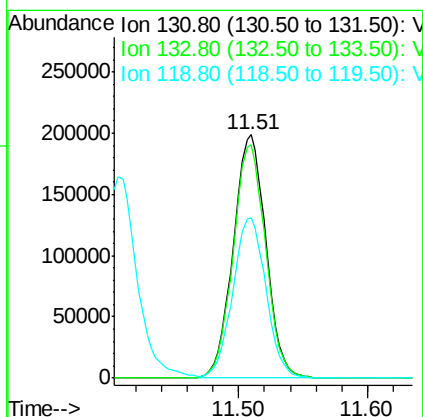
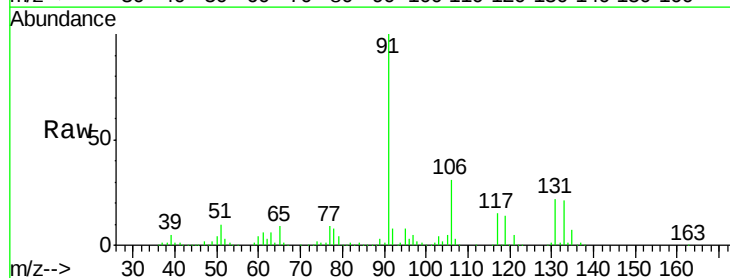
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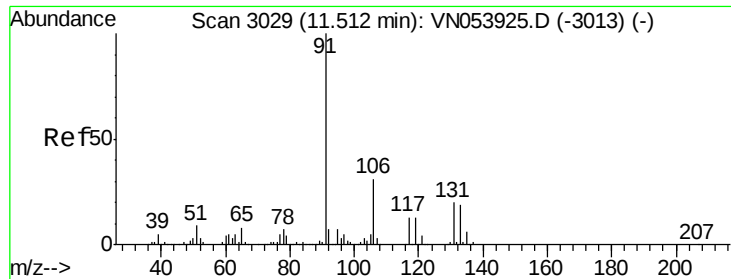
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.912 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:131 Resp: 349273
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 66.8 33.1 99.3





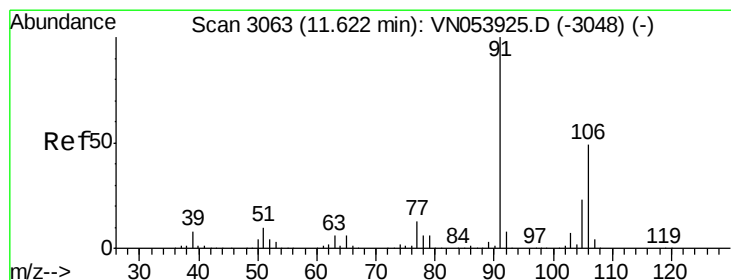
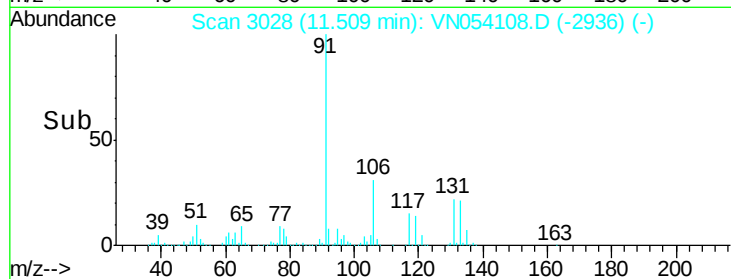
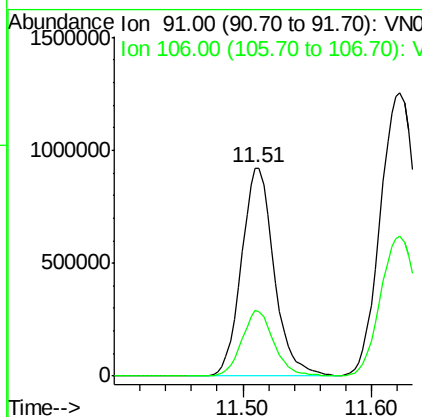
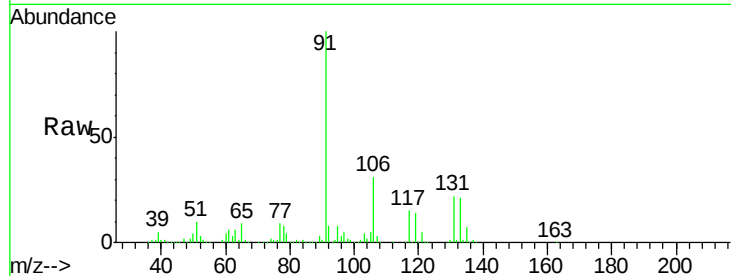
#67
Ethyl Benzene
Concen: 50.018 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1628105
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

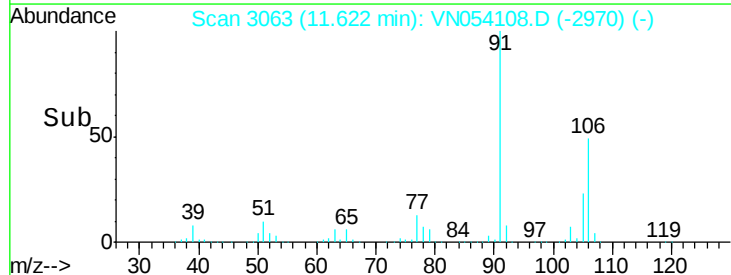
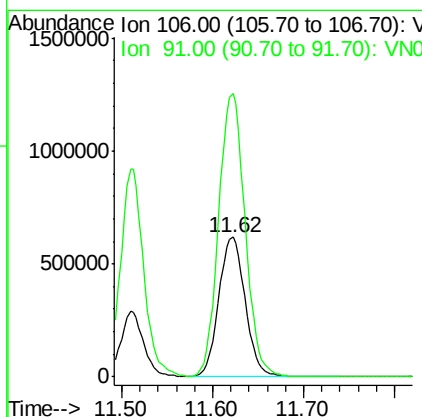
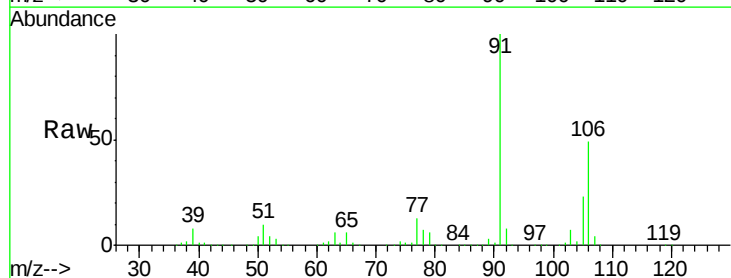
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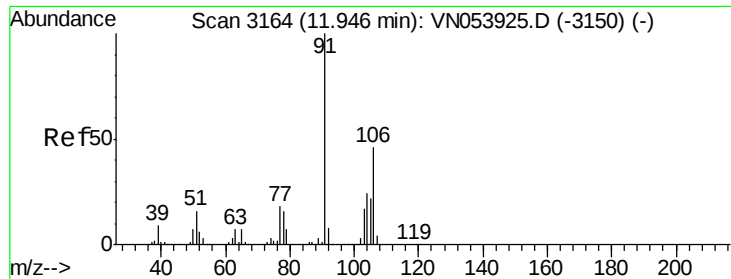
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#68
m/p-Xylenes
Concen: 101.668 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 106 Resp: 1249015
Ion Ratio Lower Upper
106 100
91 203.1 158.9 238.3





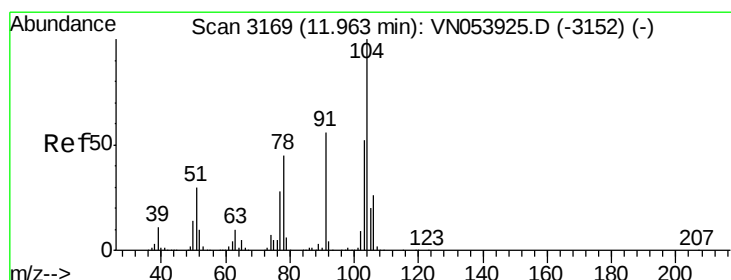
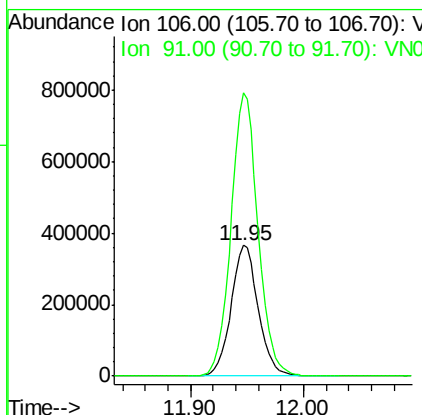
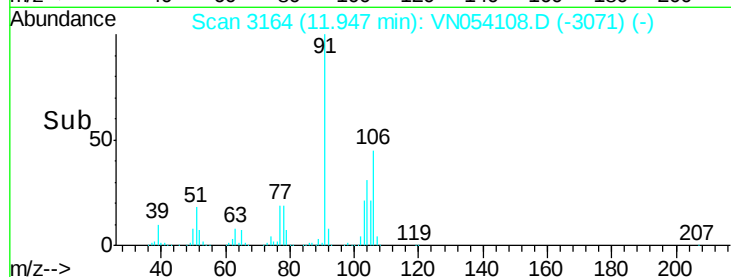
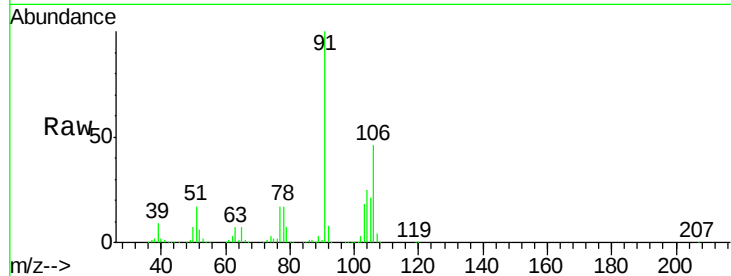
#69
o-Xylene
Concen: 50.225 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 606274
Ion Ratio Lower Upper
106 100
91 216.3 106.0 318.0

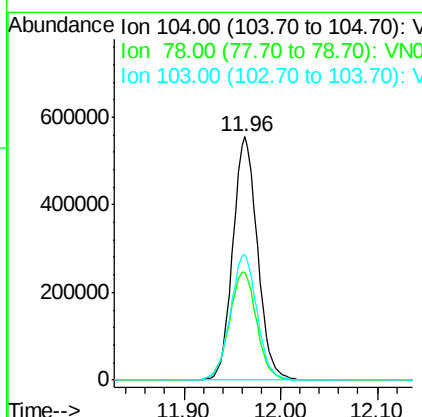
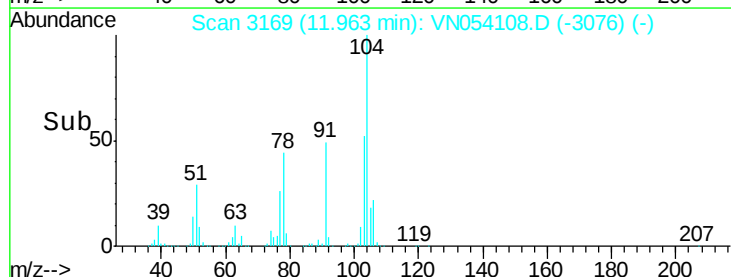
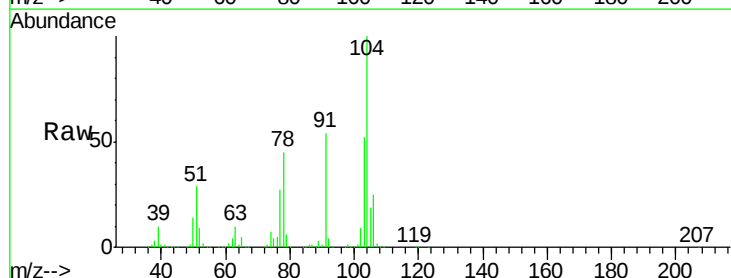
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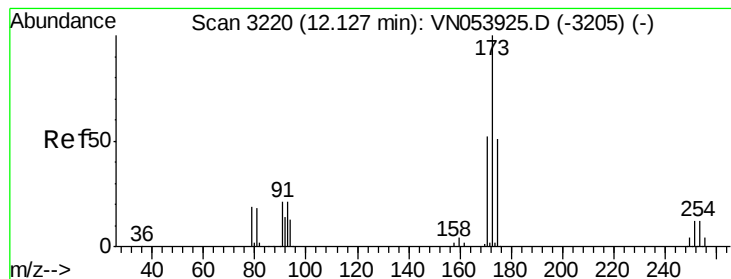
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#70
Styrene
Concen: 52.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:104 Resp: 981625
Ion Ratio Lower Upper
104 100
78 49.1 38.1 57.1
103 55.8 44.6 67.0





#71

Bromoform

Concen: 49.178 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

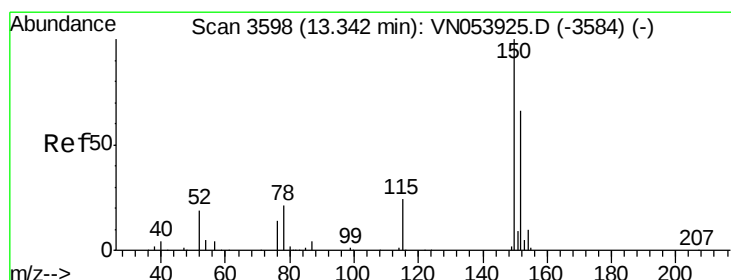
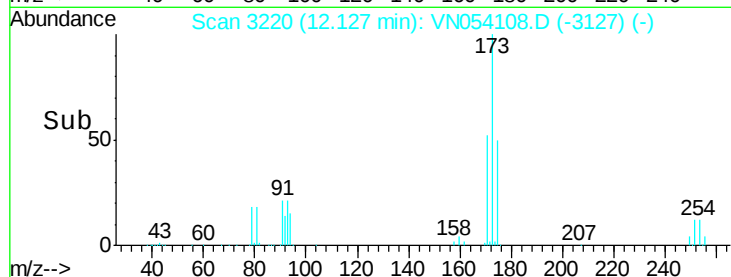
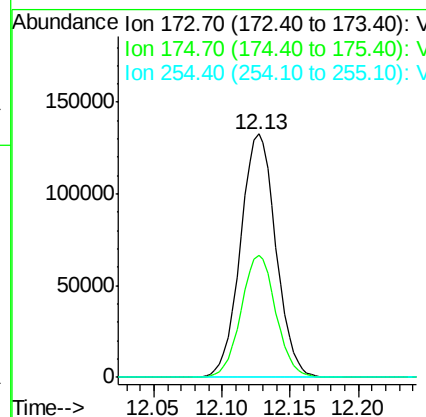
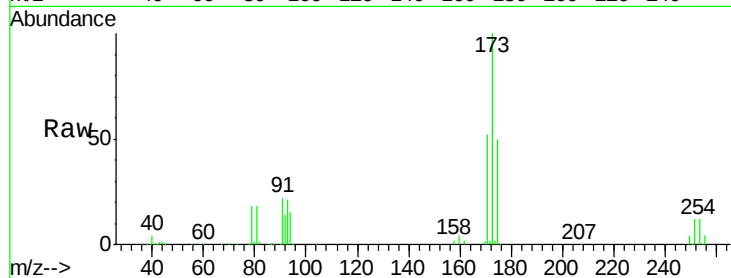
ClientSampled :

VSTDCCC050EC

Tot Ion:	173	Resp:	239410
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

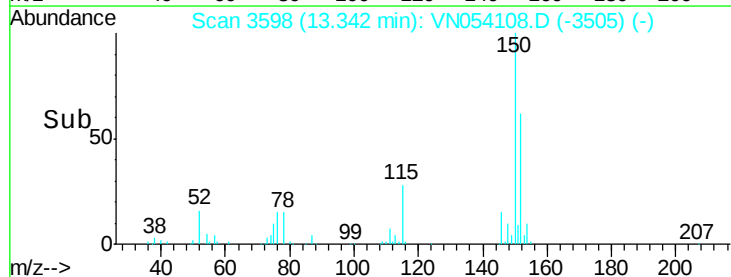
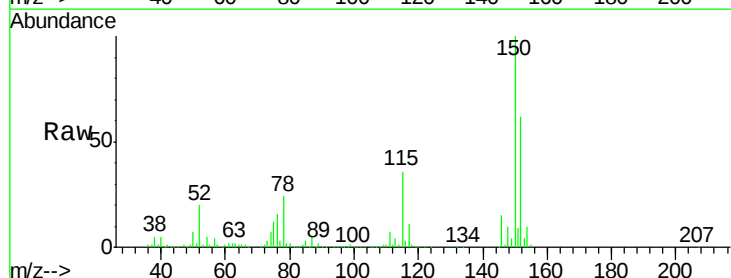
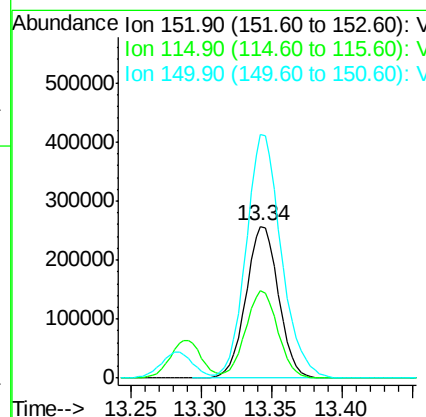
RT: 13.34 min Scan# 3598

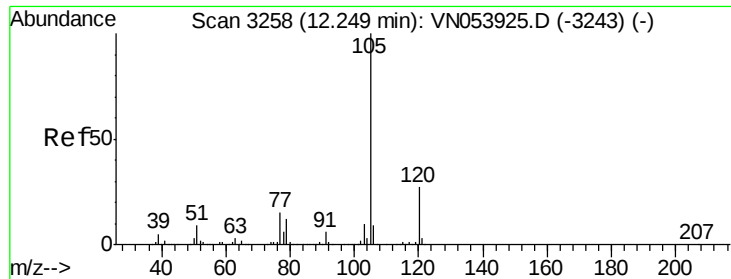
Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	152	Resp:	416825
Ion Ratio	Lower	Upper	
152	100		
115	57.0	27.2	81.6
150	172.8	0.0	348.2





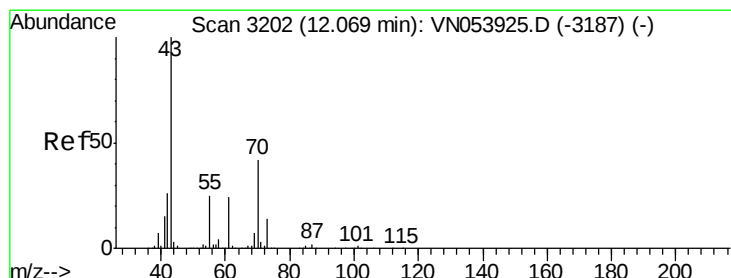
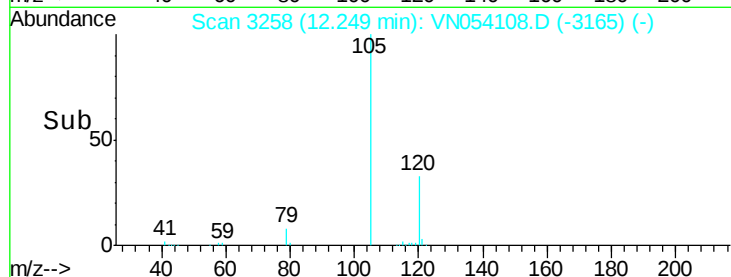
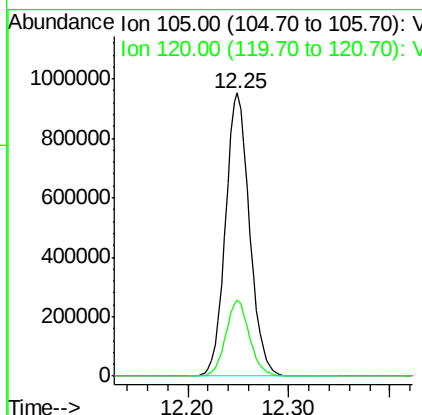
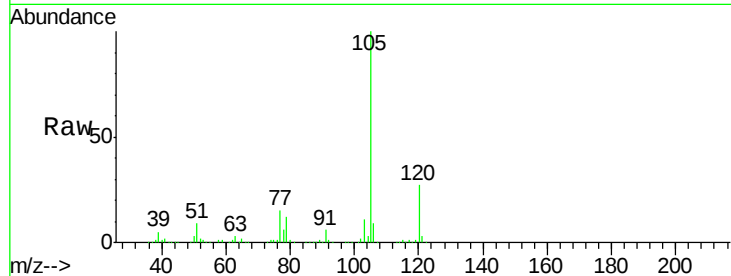
#73
Isopropylbenzene
Concen: 48.727 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1581034
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

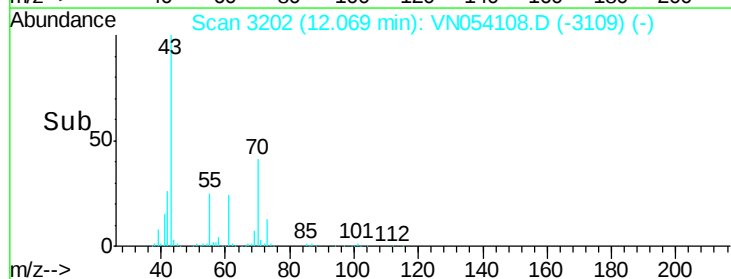
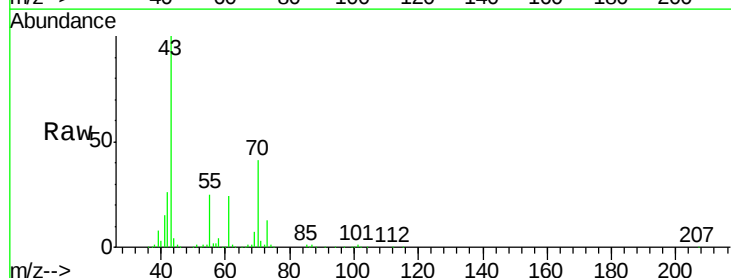
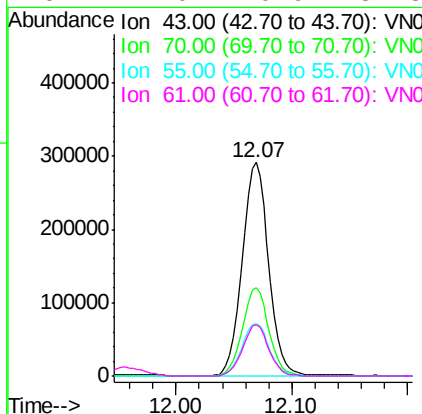
Manual Integrations
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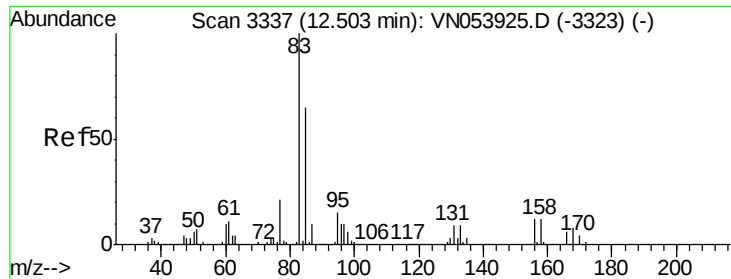
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#74
N-ethyl acetate
Concen: 53.798 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 43 Resp: 457509
Ion Ratio Lower Upper
43 100
70 41.6 37.4 56.2
55 25.6 21.4 32.0
61 24.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.146 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

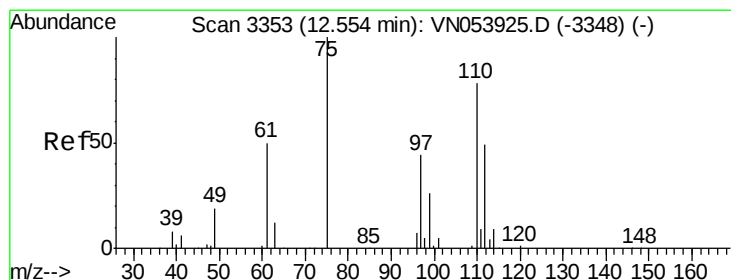
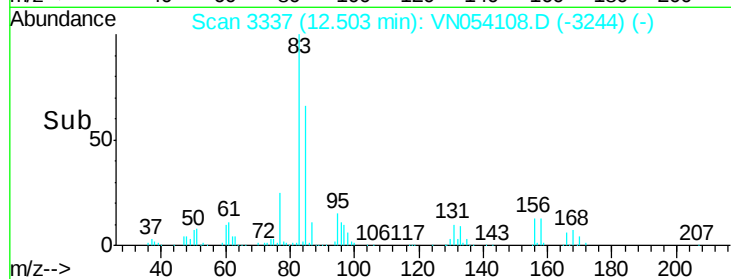
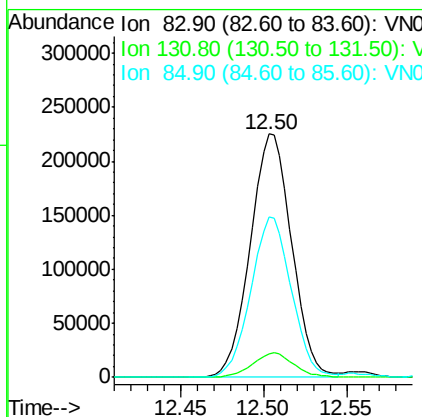
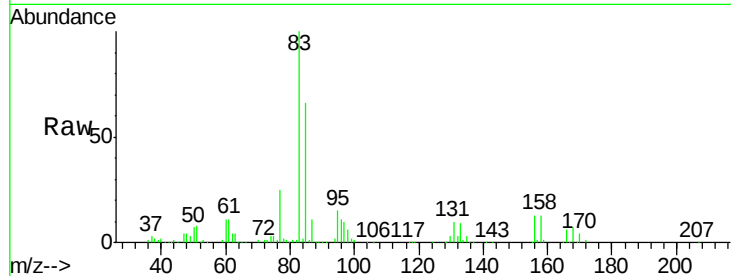
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	390652
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	64.4	31.9	95.9

Manual Integrations
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3/6/2019 9:16:44 AM



#76

1,2,3-Trichloropropane

Concen: 48.990 ug/l m

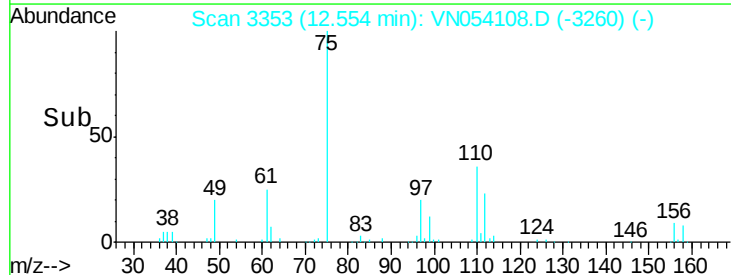
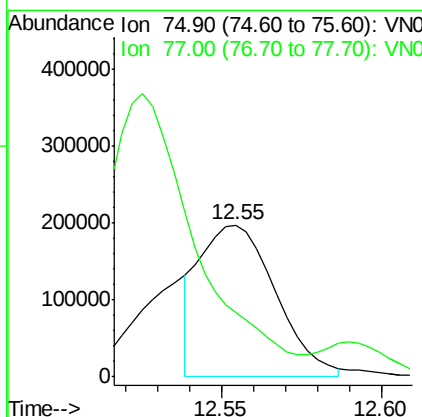
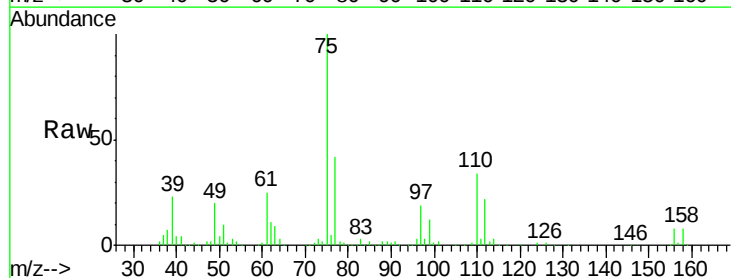
RT: 12.55 min Scan# 3353

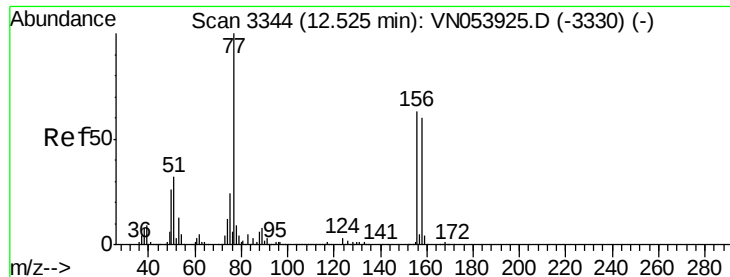
Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	75	Resp:	327580
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.137 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

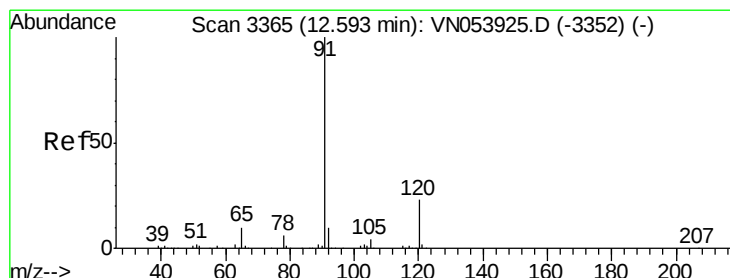
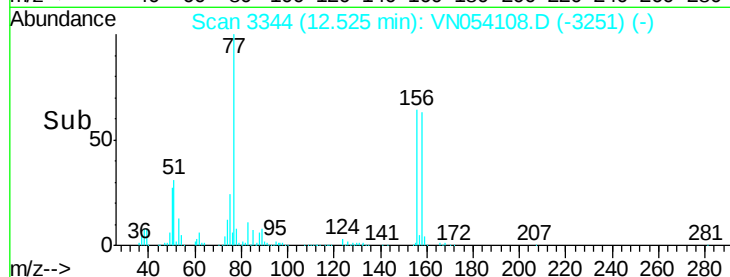
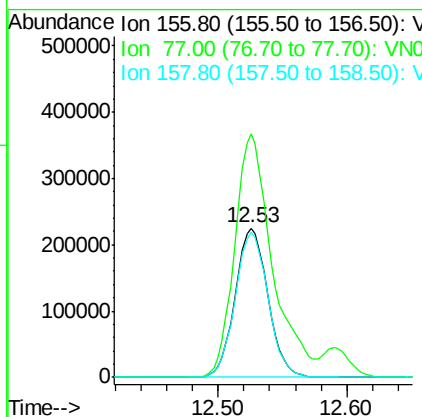
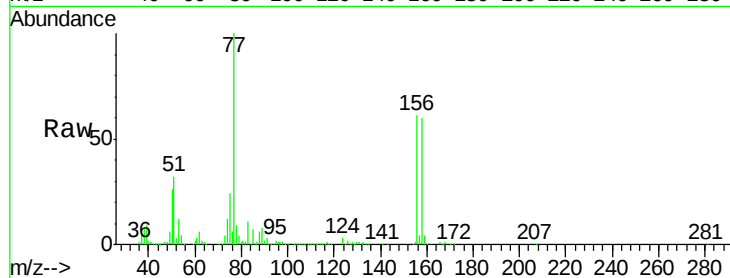
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	396557
Ion Ratio	Lower	Upper	
156	100		
77	187.5	84.0	252.2
158	97.6	48.5	145.6

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#78

n-propylbenzene

Concen: 49.910 ug/l

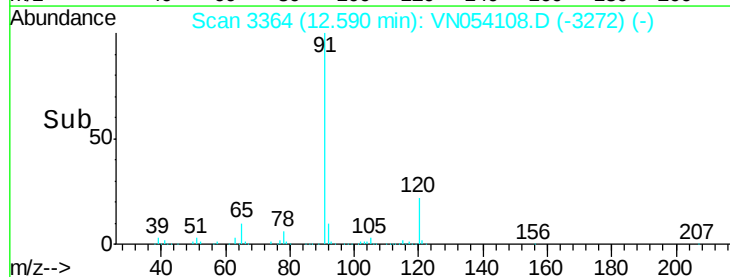
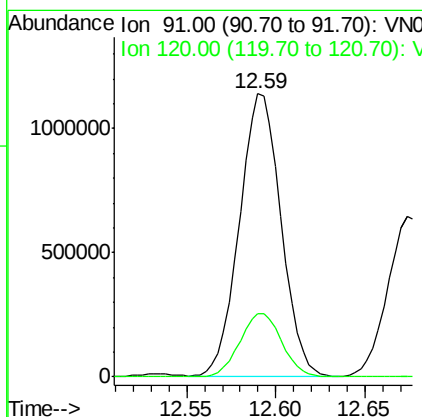
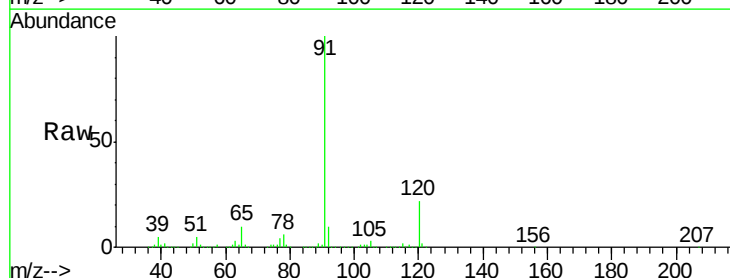
RT: 12.59 min Scan# 3364

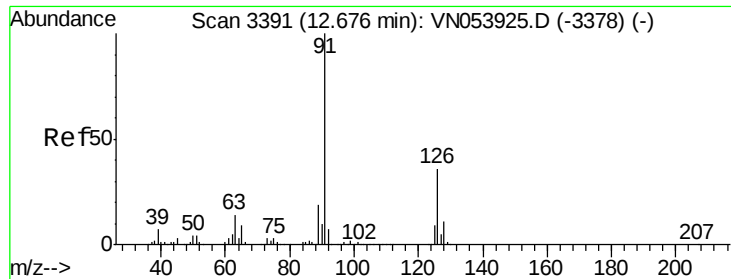
Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	91	Resp:	1841725
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.143 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1089363

Ion Ratio Lower Upper

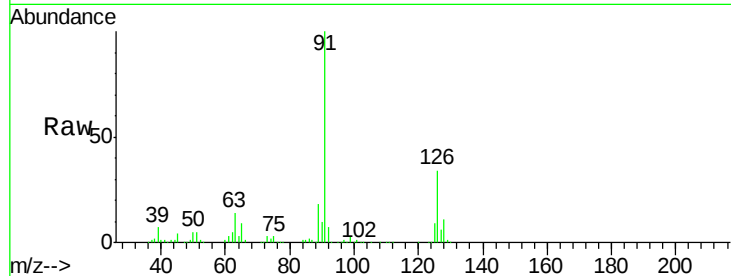
91 100

126 34.8 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN054108.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN054108.D (-3391) (-)

1200000

800000

600000

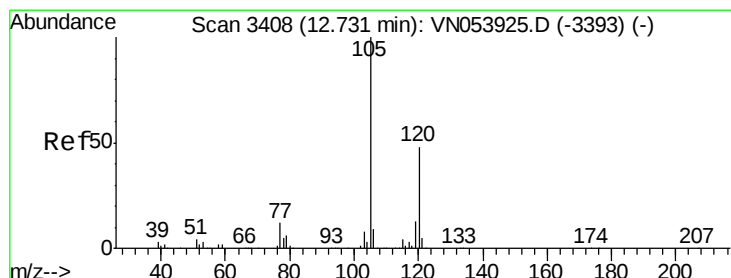
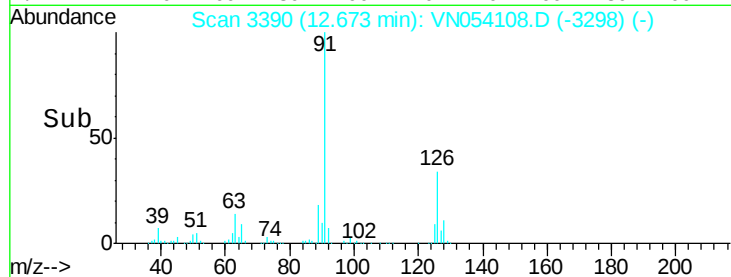
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.493 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054108.D

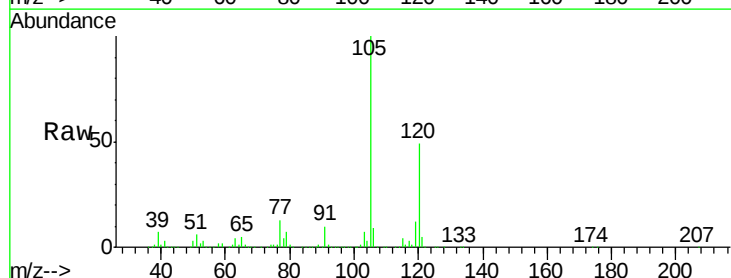
Acq: 5 Mar 2019 19:15

Tgt Ion: 105 Resp: 1341250

Ion Ratio Lower Upper

105 100

120 49.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN054108.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054108.D (-3408) (-)

1000000

800000

600000

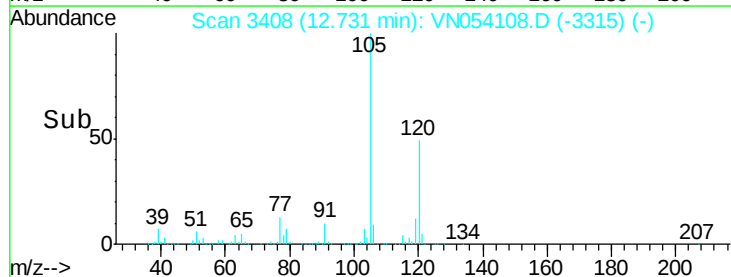
400000

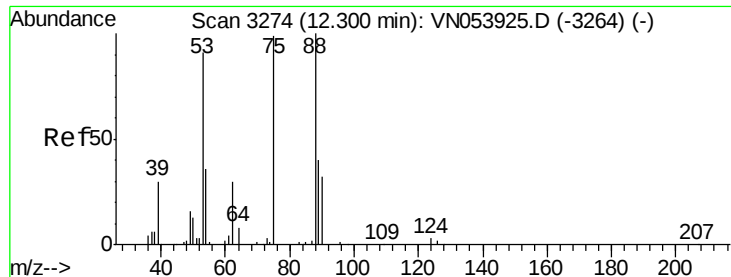
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.438 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

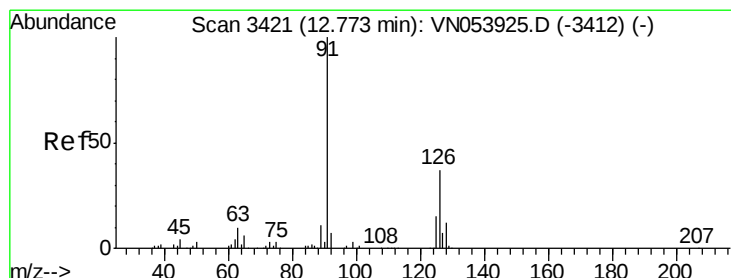
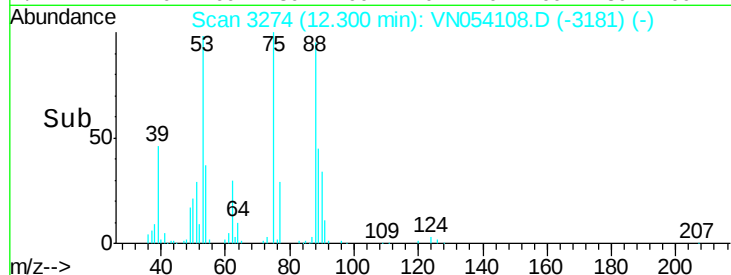
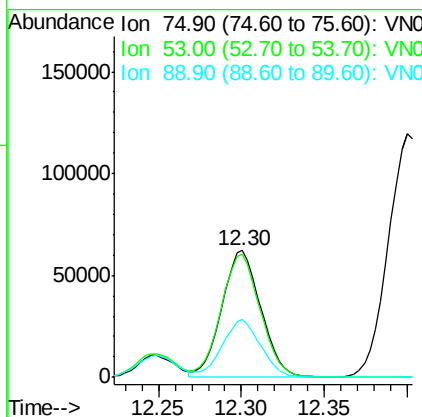
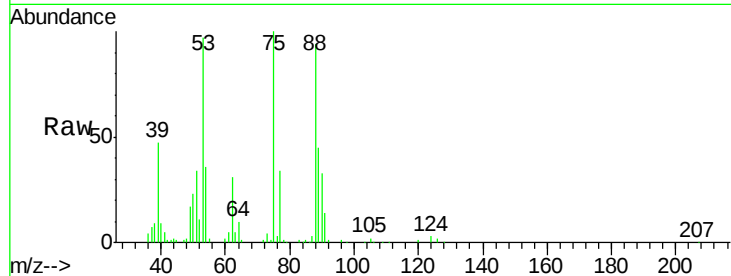
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	102476
Ion	Ratio	Lower	Upper
75	100		
53	97.8	68.6	102.8
89	44.4	35.3	52.9

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#82

4-Chlorotoluene

Concen: 50.317 ug/l

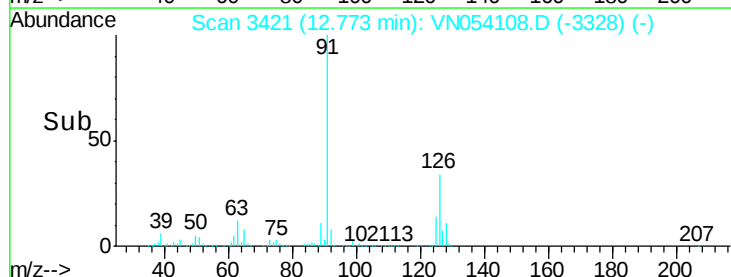
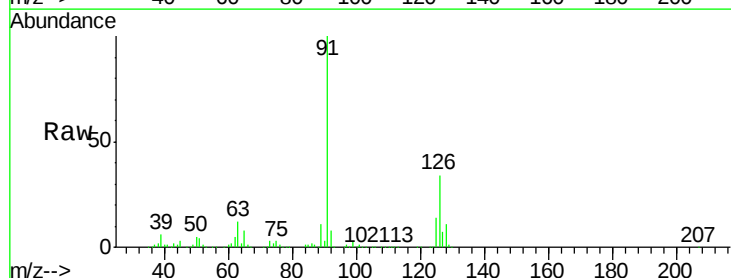
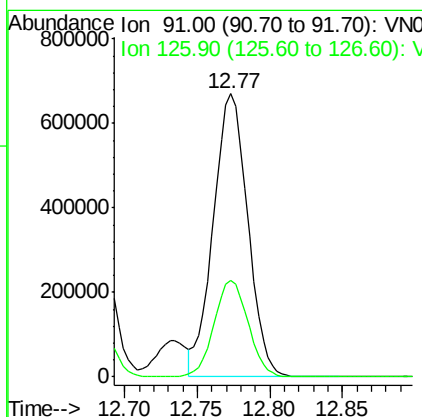
RT: 12.77 min Scan# 3421

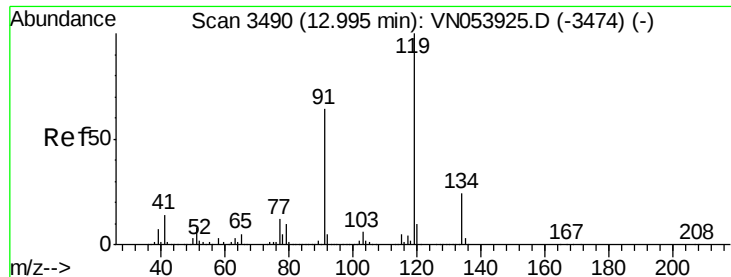
Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	91	Resp:	1102358
Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.0	54.0





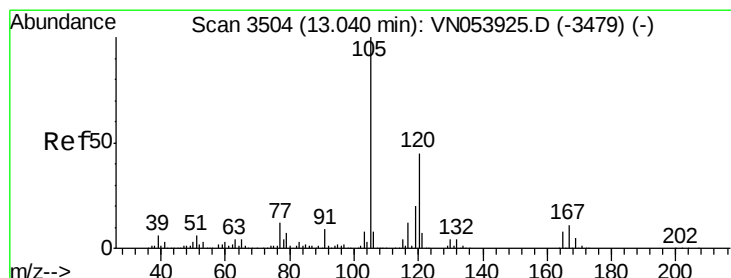
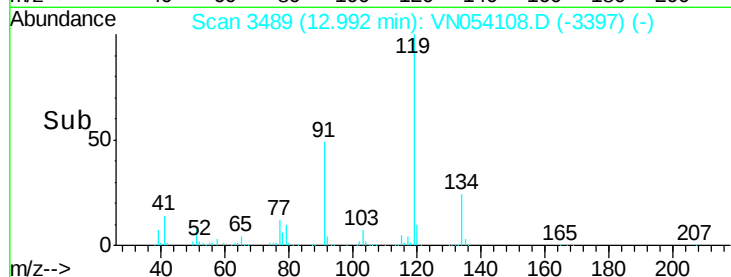
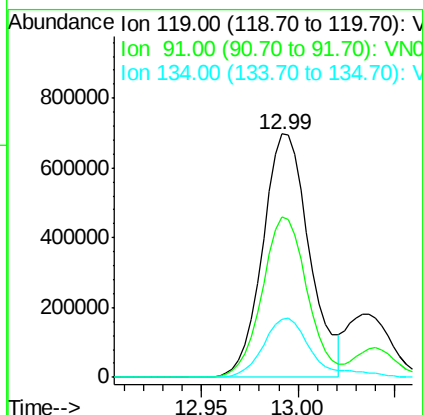
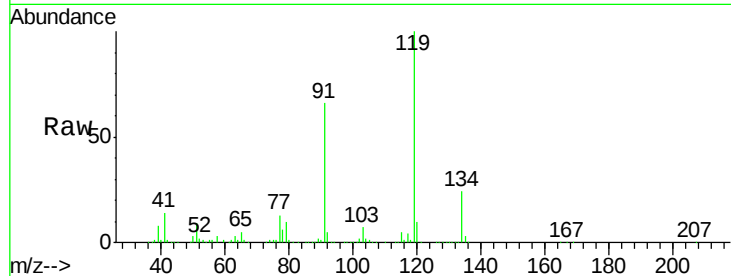
#83
tert-Butylbenzene
Concen: 49.940 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1173267
Ion Ratio Lower Upper
119 100
91 63.4 30.6 91.8
134 25.4 13.0 39.0

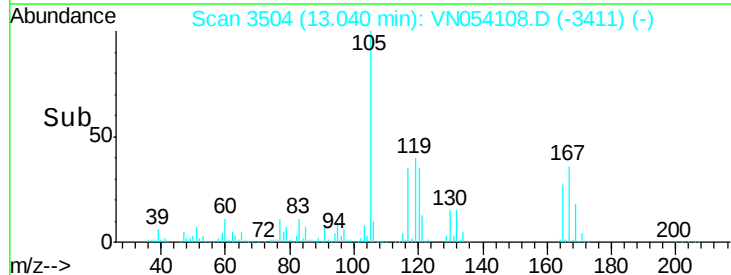
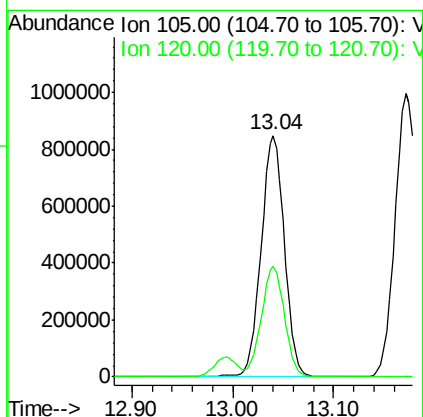
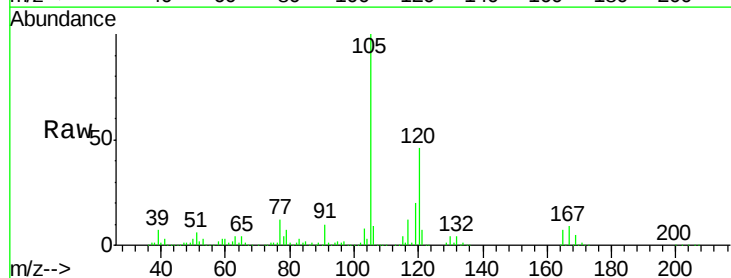
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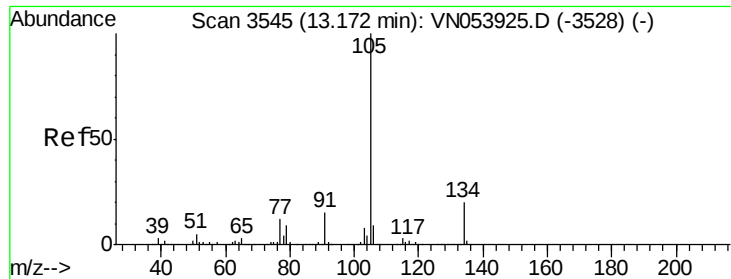
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#84
1,2,4-Trimethylbenzene
Concen: 51.153 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion:105 Resp: 1356543
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.617 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1560044

Ion Ratio Lower Upper

105 100

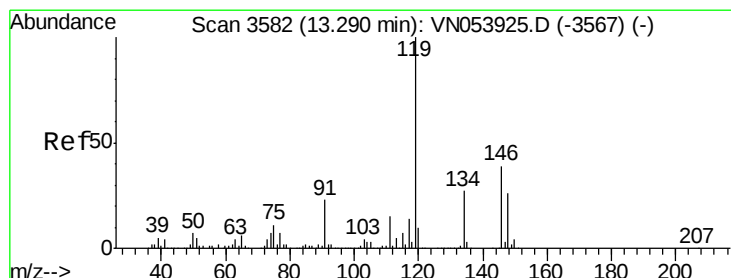
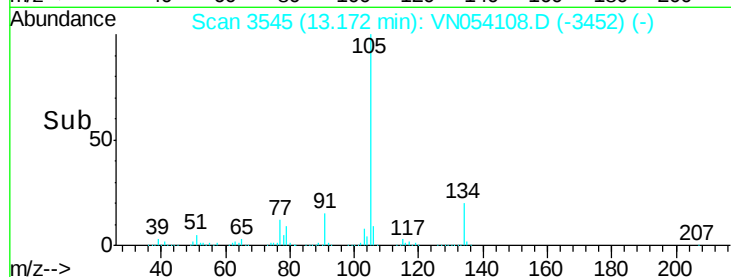
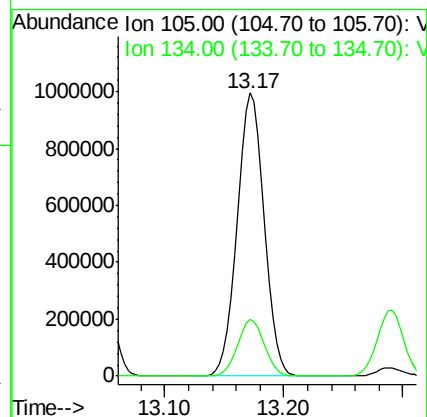
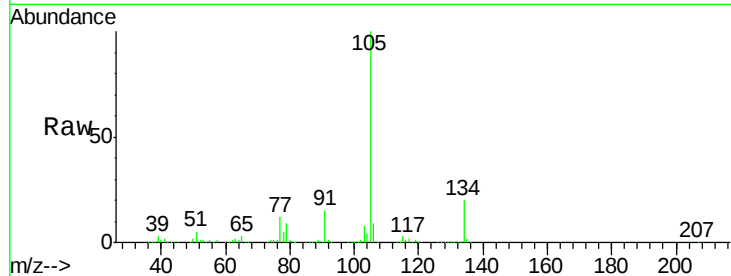
134 20.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 49.831 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

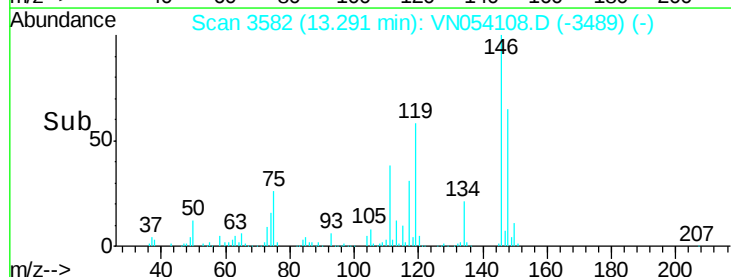
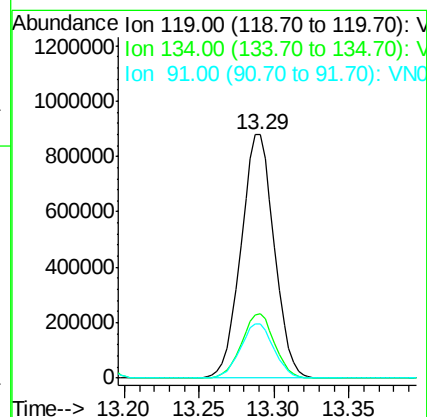
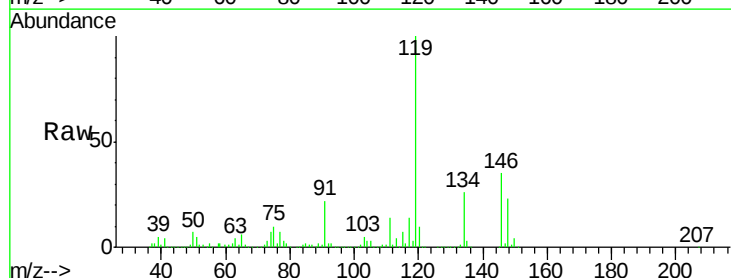
Tgt Ion:119 Resp: 1351752

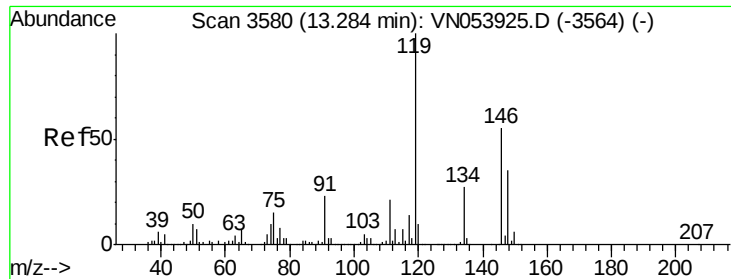
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.6 10.9 32.6





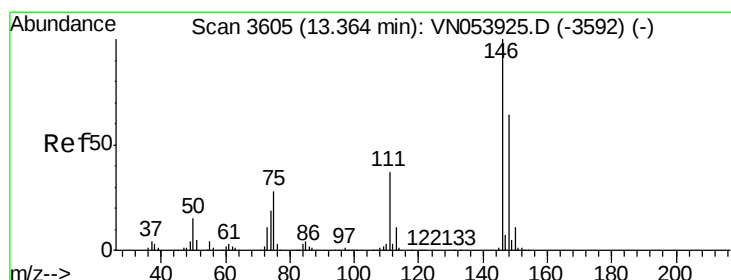
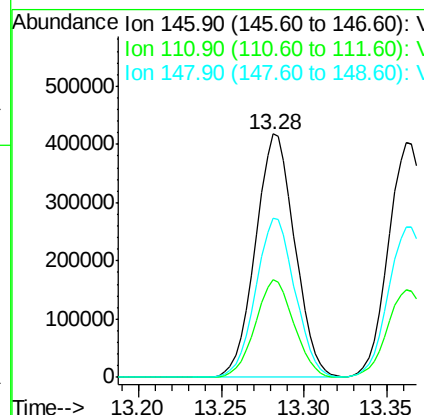
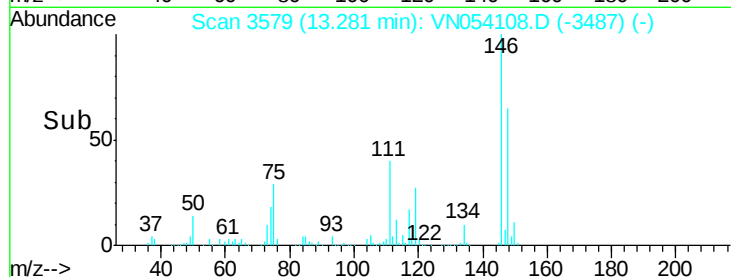
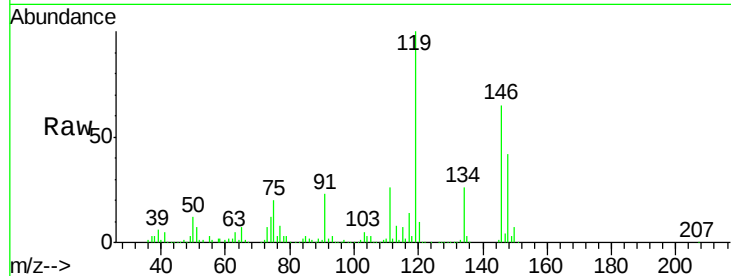
#87
 1,3-Dichlorobenzene
 Concen: 48.425 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.7	56.1
148	65.0	32.0	96.2

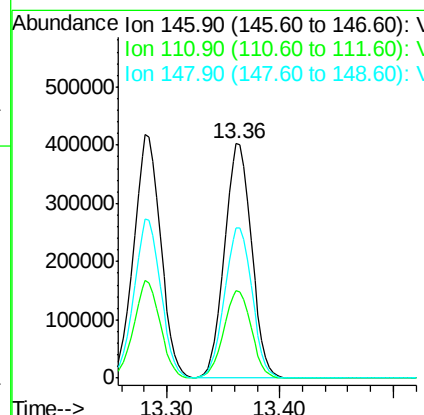
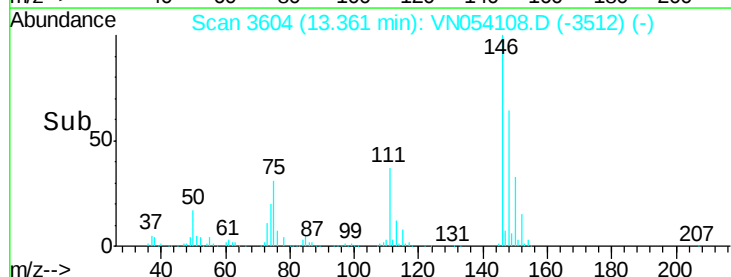
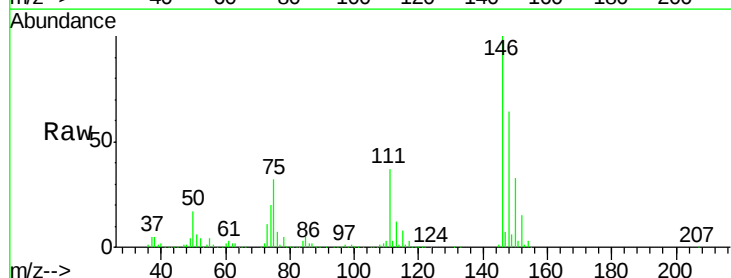
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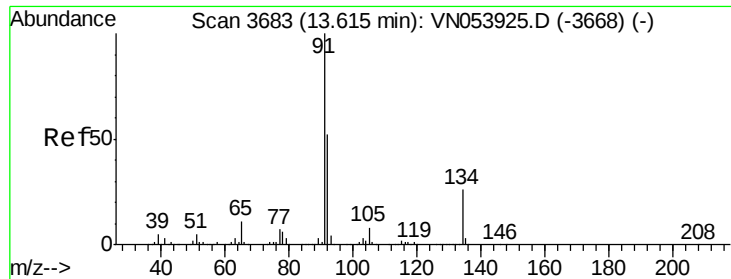
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#88
 1,4-Dichlorobenzene
 Concen: 48.433 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.0	54.0
148	65.1	32.1	96.5





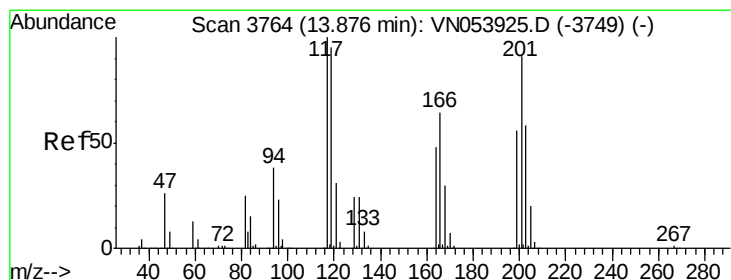
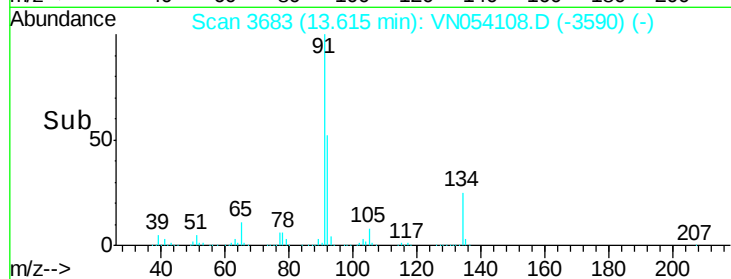
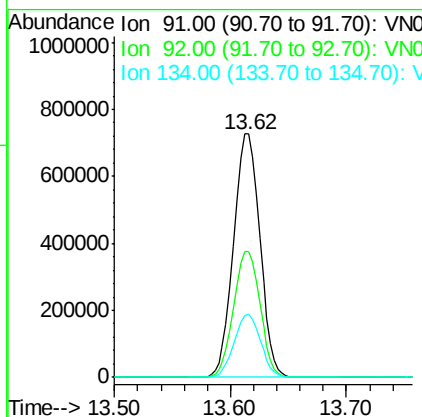
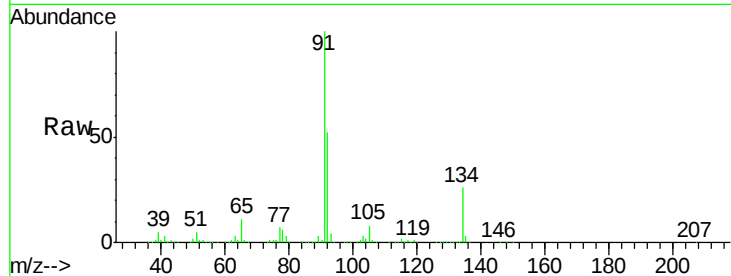
#89
n-Butylbenzene
Concen: 49.777 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1137965
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.9 13.6 40.8

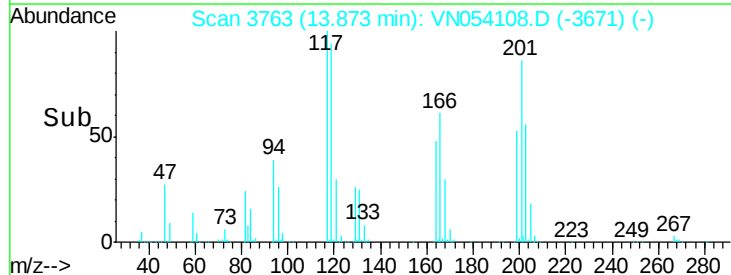
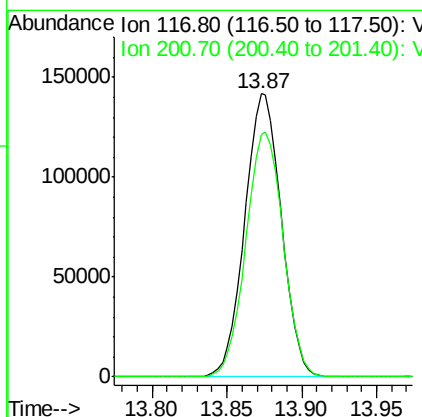
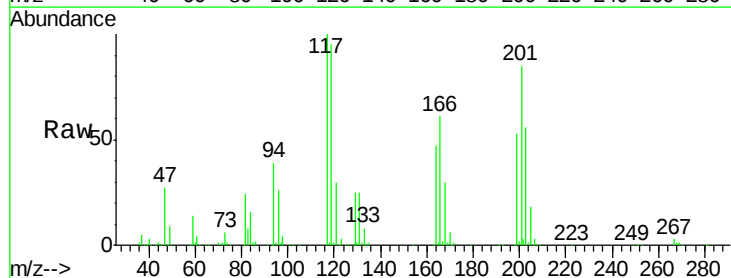
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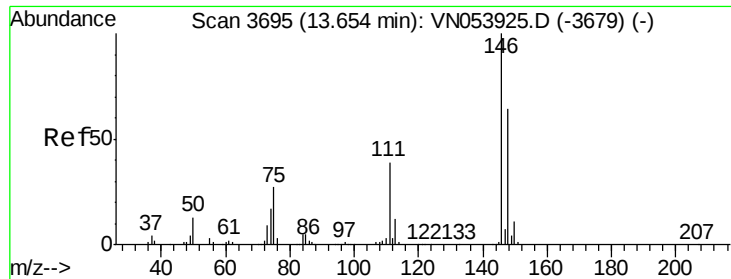
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#90
Hexachloroethane
Concen: 45.908 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054108.D
Acq: 5 Mar 2019 19:15

Tgt Ion: 117 Resp: 241319
Ion Ratio Lower Upper
117 100
201 88.1 48.0 144.2





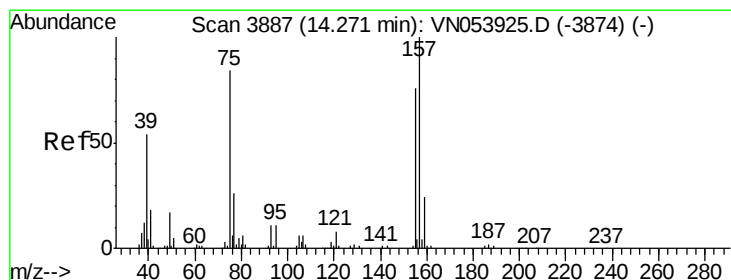
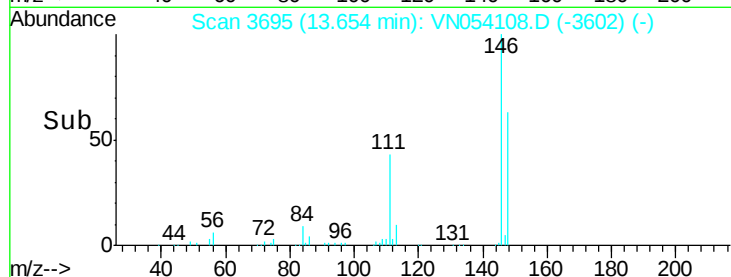
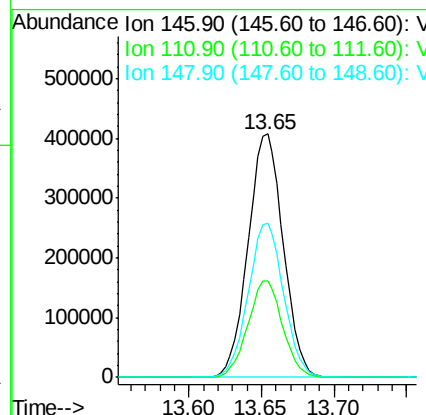
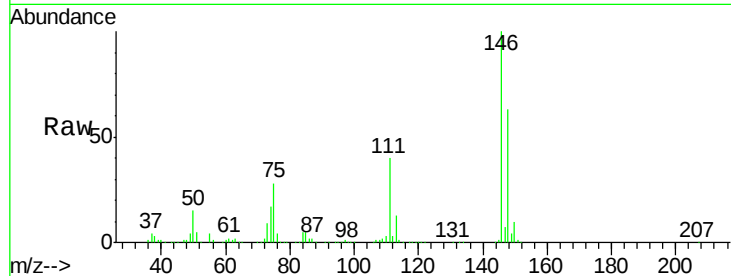
#91
 1,2-Dichlorobenzene
 Concen: 49.878 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	63.4	32.1	96.5

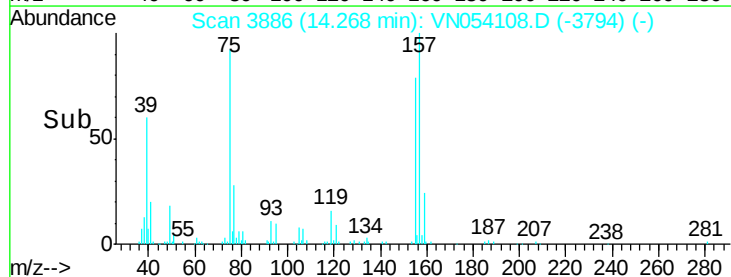
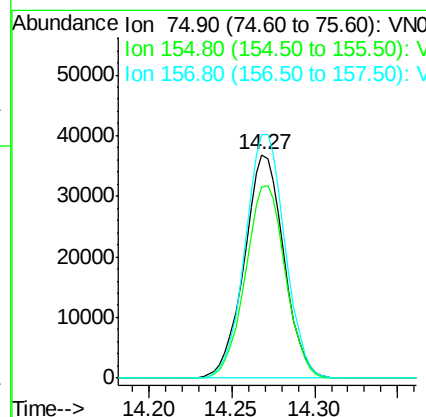
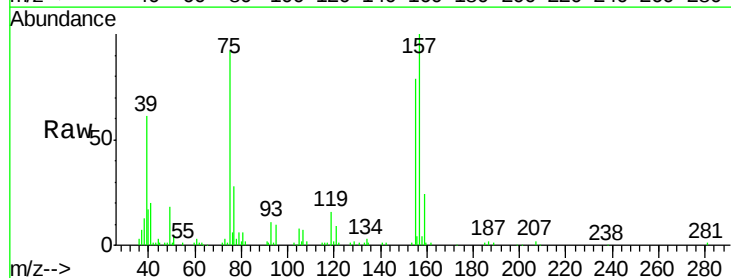
Manual Integrations
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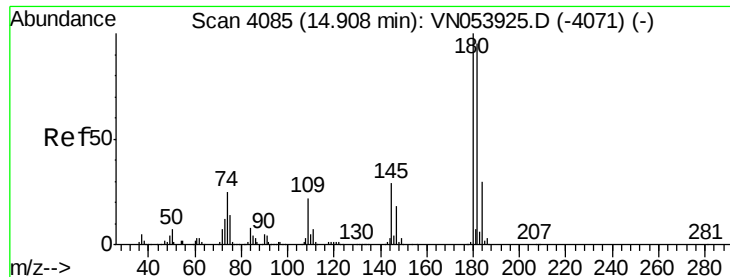
MMDadoda
 3/6/2019 9:16:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.062 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	49.5	148.5
157	109.6	64.8	194.6





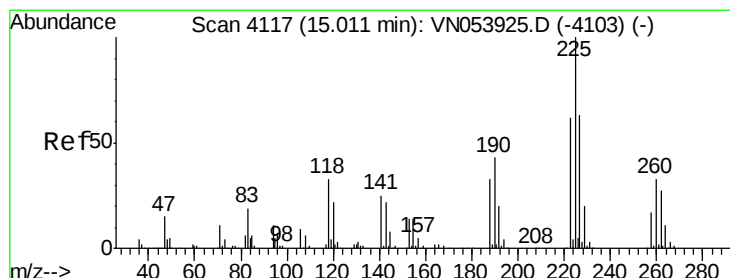
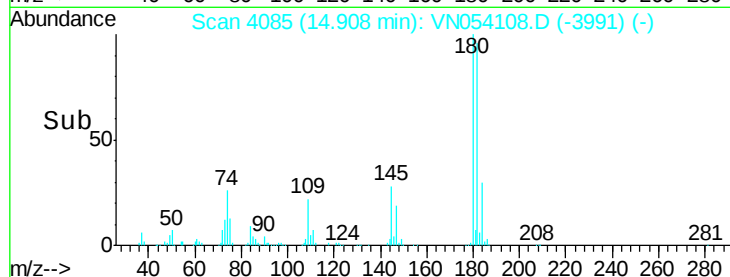
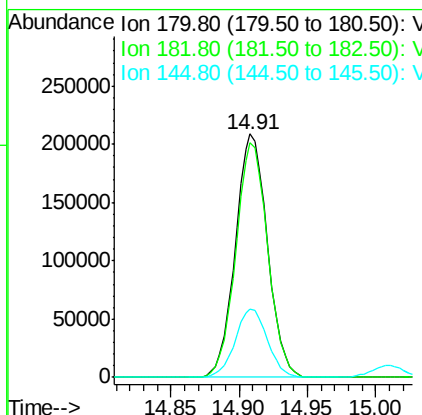
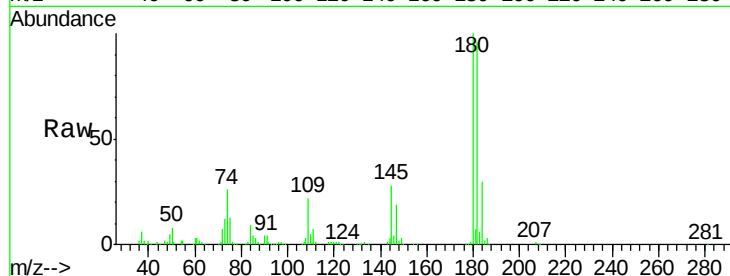
#93
 1,2,4-Trichlorobenzene
 Concen: 44.583 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339640		
182	96.0	48.6	145.9	
145	28.3	13.8	41.3	

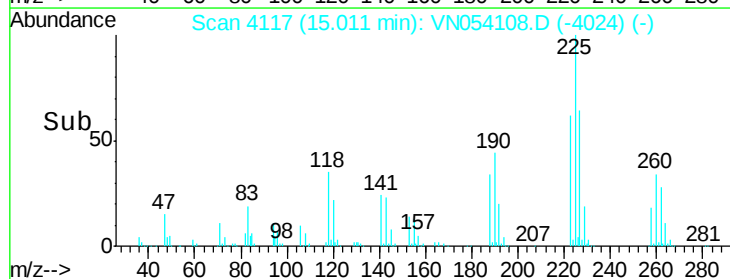
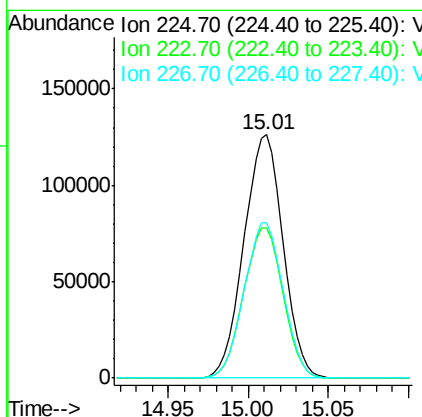
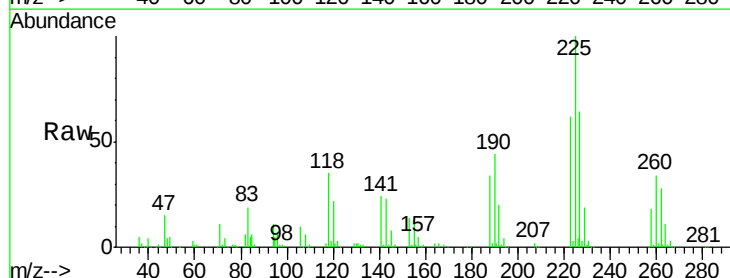
Manual Integrations
 APPROVED

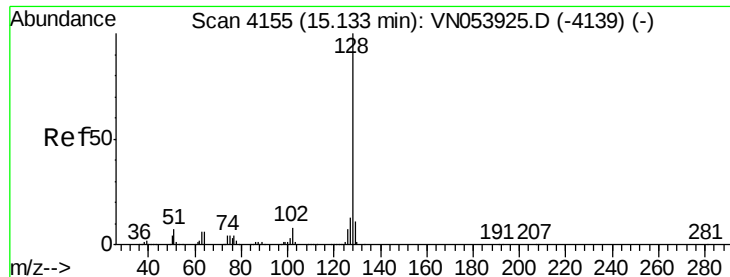
MMDadoda
 3/6/2019 9:16:44 AM



#94
 Hexachlorobutadiene
 Concen: 42.406 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054108.D
 Acq: 5 Mar 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	211315		
223	62.2	30.9	92.5	
227	63.7	32.5	97.4	





#95

Naphthalene

Concen: 43.743 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Instrument :

MSVOA_N

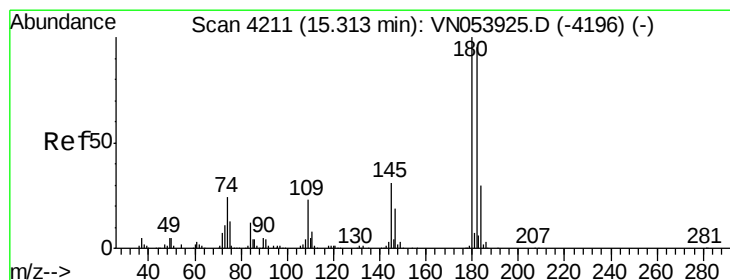
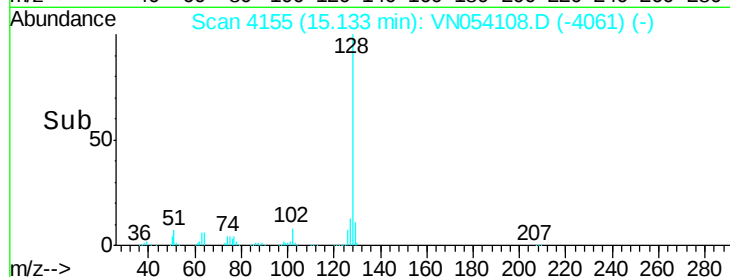
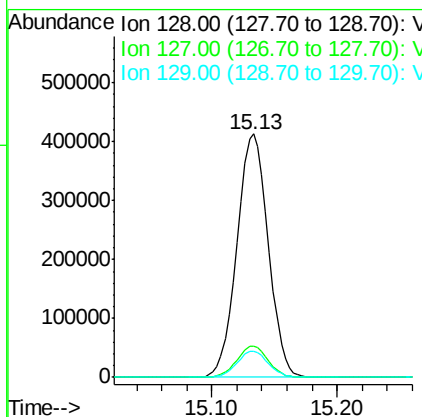
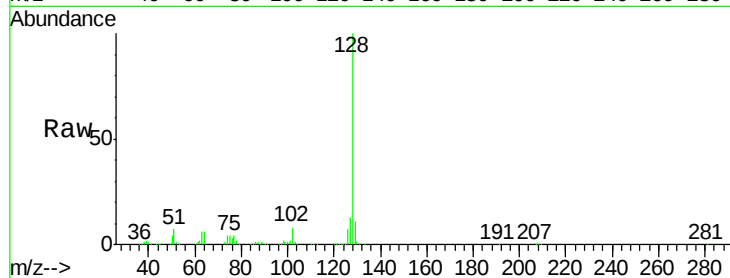
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	714851
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:16:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.413 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054108.D

Acq: 5 Mar 2019 19:15

Tgt Ion:	180	Resp:	332654
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	141.8
145	29.5	14.4	43.0

