

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053024.D
 Acq On : 19 Dec 2018 21:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 9:33:53 AM

Quant Time: Dec 20 06:51:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1138352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1748951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1511632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	650635	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	612714	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	476272	59.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.22%	
50) Toluene-d8	10.09	98	2220678	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.40	95	730430	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	551735	47.889	ug/l	100
3) Chloromethane	2.06	50	640728	45.894	ug/l	99
4) Vinyl Chloride	2.19	62	691806	48.928	ug/l	100
5) Bromomethane	2.57	94	450504	45.988	ug/l	99
6) Chloroethane	2.71	64	408475	48.779	ug/l	100
7) Trichlorofluoromethane	3.03	101	882448	50.099	ug/l	100
8) Diethyl Ether	3.41	74	342997	51.618	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	560699	49.926	ug/l	98
10) Methyl Iodide	3.96	142	793597	50.319	ug/l	99
11) Tert butyl alcohol	4.78	59	181711	257.795	ug/l	98
12) 1,1-Dichloroethene	3.74	96	544583	50.192	ug/l	98
13) Acrolein	3.61	56	231292	361.886	ug/l	99
14) Allyl chloride	4.33	41	841960	50.098	ug/l	98
15) Acrylonitrile	4.99	53	1008003	257.414	ug/l	100
16) Acetone	3.82	43	621760	274.507	ug/l	96
17) Carbon Disulfide	4.06	76	1559072	44.061	ug/l	99
18) Methyl Acetate	4.32	43	520946	50.661	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1520775	52.377	ug/l	98
20) Methylene Chloride	4.55	84	612367	49.563	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	577049	49.501	ug/l	98
22) Diisopropyl ether	5.95	45	1897304	52.889	ug/l	97
23) Vinyl Acetate	5.90	43	5440352	263.734	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1090868	51.174	ug/l	99
25) 2-Butanone	6.83	43	1050225	276.285	ug/l	97
26) 2,2-Dichloropropane	6.83	77	762800	46.876	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	668333	50.641	ug/l	99
28) Bromochloromethane	7.20	49	480986	52.072	ug/l	96
29) Tetrahydrofuran	7.21	42	744157	262.117	ug/l	98
30) Chloroform	7.37	83	1060200	50.629	ug/l	99
31) Cyclohexane	7.66	56	1011400	50.601	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	900535	50.482	ug/l	99
36) 1,1-Dichloropropene	7.79	75	833783	49.669	ug/l	99
37) Ethyl Acetate	6.93	43	496734	53.006	ug/l	100
38) Carbon Tetrachloride	7.78	117	777085	50.504	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	963313	47.238	ug/l	98
40) Benzene	8.04	78	2520800	50.484	ug/l	99
41) Methacrylonitrile	7.17	41	301096	55.608	ug/l	94
42) 1,2-Dichloroethane	8.12	62	740766	50.218	ug/l	98
43) Isopropyl Acetate	8.16	43	933886	51.528	ug/l	98
44) Trichloroethene	8.83	130	707369	48.979	ug/l	97
45) 1,2-Dichloropropane	9.12	63	670871	51.582	ug/l	99
46) Dibromomethane	9.21	93	375725	49.591	ug/l	98
47) Bromodichloromethane	9.40	83	816139	50.676	ug/l	99
48) Methyl methacrylate	9.20	41	468702	51.542	ug/l	99
49) 1,4-Dioxane	9.20	88	108362	942.032	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2413589	265.950	ug/l	99
52) Toluene	10.16	92	1525688	49.296	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	832017	49.129	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	970306	49.916	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	551945	51.119	ug/l	99
56) Ethyl methacrylate	10.43	69	743356	52.015	ug/l	97
57) 1,3-Dichloropropane	10.71	76	947051	51.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2063629	263.022	ug/l	98
59) 2-Hexanone	10.75	43	1602268	260.947	ug/l	99
60) Dibromochloromethane	10.90	129	612389	49.549	ug/l	100
61) 1,2-Dibromoethane	11.01	107	549684	50.127	ug/l	99
64) Tetrachloroethene	10.63	164	798586	48.771	ug/l	99
65) Chlorobenzene	11.43	112	1667989	49.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	599497	51.448	ug/l	100
67) Ethyl Benzene	11.51	91	2879375	49.967	ug/l	100
68) m/p-Xylenes	11.62	106	2157283	98.475	ug/l	99
69) o-Xylene	11.95	106	1048464	49.876	ug/l	99
70) Styrene	11.96	104	1714659	50.022	ug/l	100
71) Bromoform	12.13	173	404789	48.086	ug/l #	100
73) Isopropylbenzene	12.25	105	2768757	54.389	ug/l	99
74) N-amyl acetate	12.07	43	812679	57.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	564815	56.555	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	517884m	47.283	ug/l	
77) Bromobenzene	12.53	156	704046	53.205	ug/l	98
78) n-propylbenzene	12.59	91	3074700	53.032	ug/l	99
79) 2-Chlorotoluene	12.67	91	1804570	50.214	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2111337	50.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	179194	52.732	ug/l	96
82) 4-Chlorotoluene	12.77	91	1810564	51.467	ug/l	99
83) tert-Butylbenzene	12.99	119	1879490	51.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2138901	51.277	ug/l	100
85) sec-Butylbenzene	13.17	105	2473025	49.823	ug/l	99
86) p-Isopropyltoluene	13.29	119	2128697	49.632	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1164574	49.725	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1144057	48.237	ug/l	100
89) n-Butylbenzene	13.62	91	1720274	46.622	ug/l	99
90) Hexachloroethane	13.88	117	324151	49.250	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1083950	49.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83786	48.520	ug/l	98

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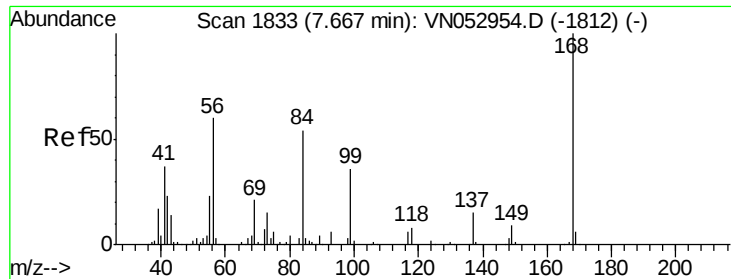
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	576052	49.336	ug/l	99
94) Hexachlorobutadiene	15.01	225	308517	51.086	ug/l	99
95) Naphthalene	15.13	128	1253774	49.034	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	519038	49.363	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1138352

Ion Ratio Lower Upper

168 100

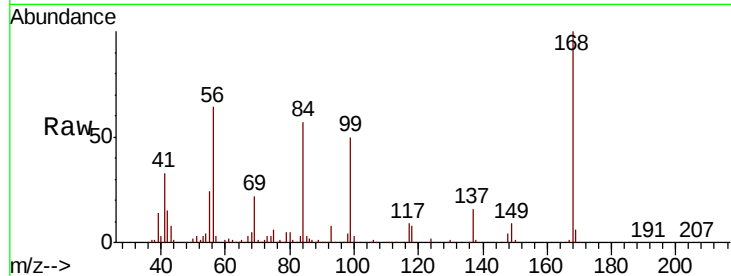
99 49.9 40.2 60.2

Manual Integrations

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12/20/2018 9:33:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

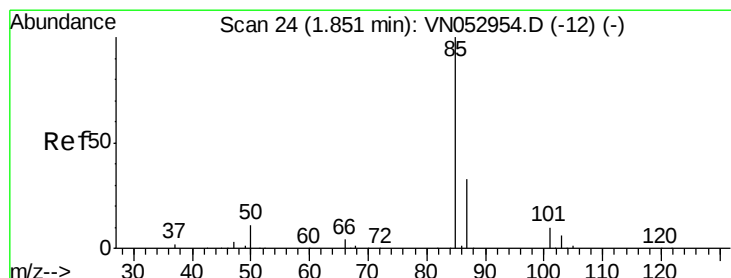
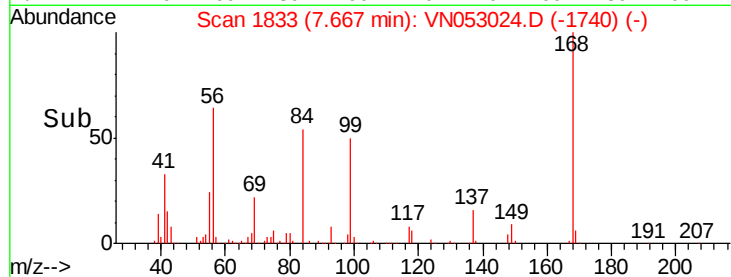
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.889 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053024.D

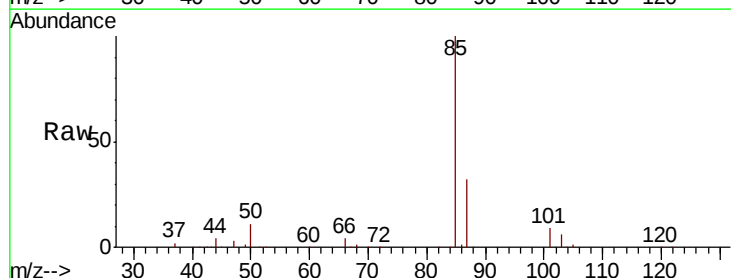
Acq: 19 Dec 2018 21:30

Tgt Ion: 85 Resp: 551735

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

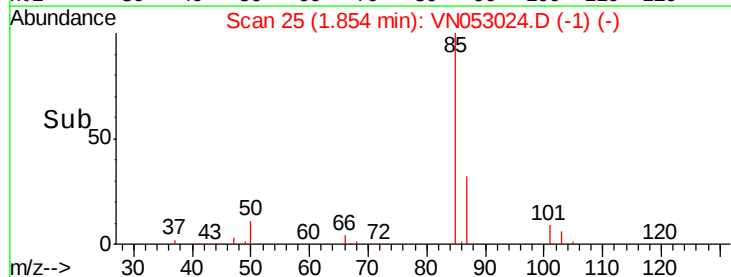
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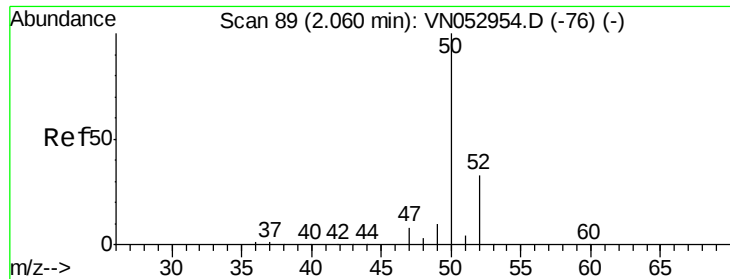
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.894 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 640728

Ion Ratio Lower Upper

50 100

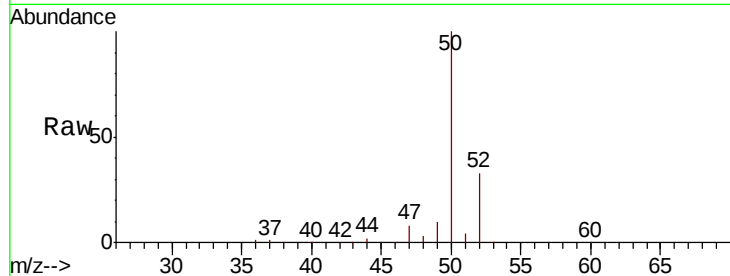
52 33.5 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

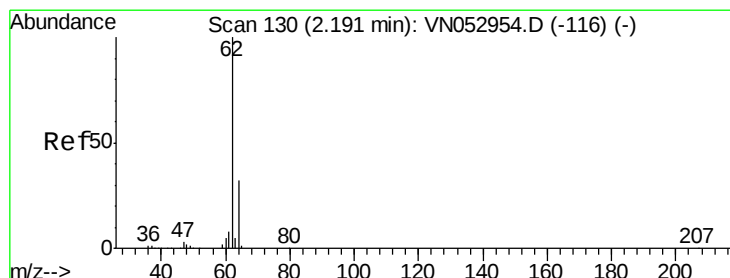
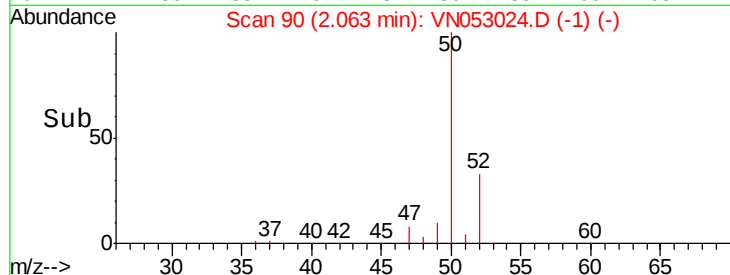
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 48.928 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053024.D

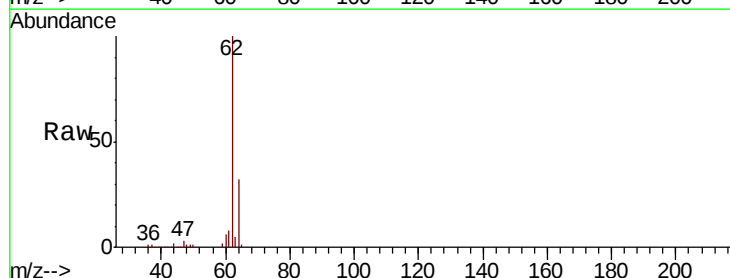
Acq: 19 Dec 2018 21:30

Tgt Ion: 62 Resp: 691806

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

500000

400000

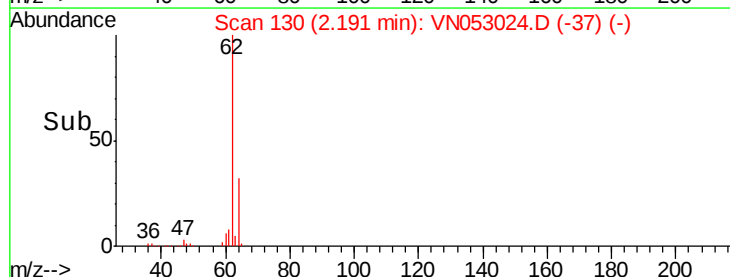
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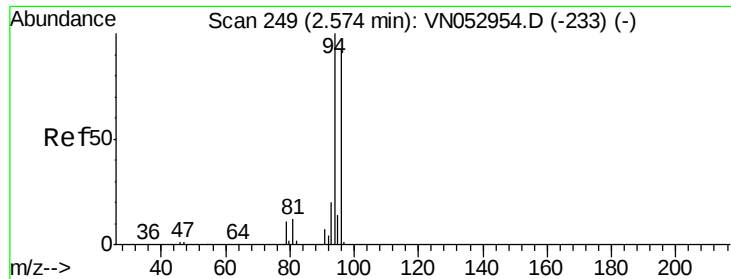
200000

100000

0

Time-->





#5

Bromomethane

Concen: 45.988 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 450504

Ion Ratio Lower Upper

94 100

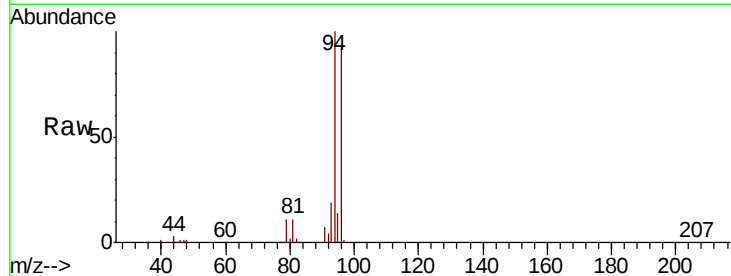
96 92.9 75.0 112.4

Manual Integrations

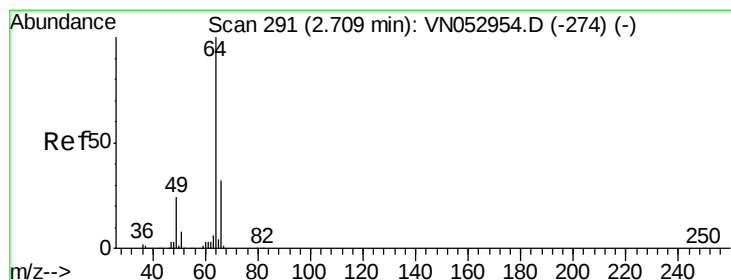
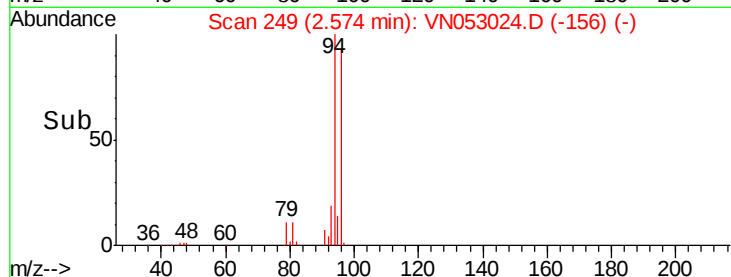
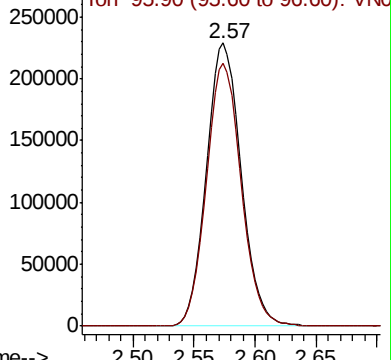
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12/20/2018 9:33:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VN053024.D (-156) (-)



#6

Chloroethane

Concen: 48.779 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053024.D

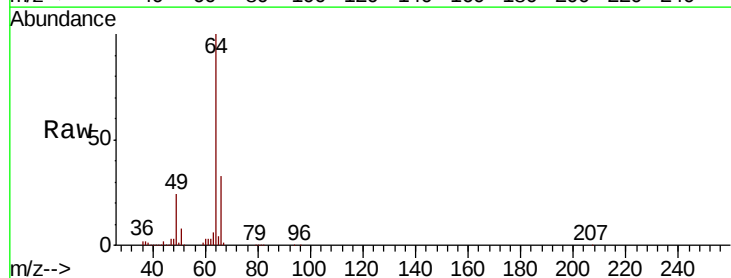
Acq: 19 Dec 2018 21:30

Tgt Ion: 64 Resp: 408475

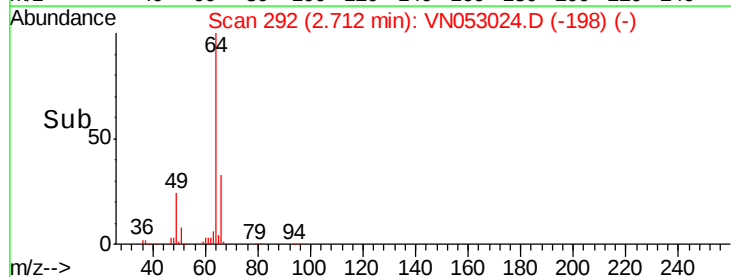
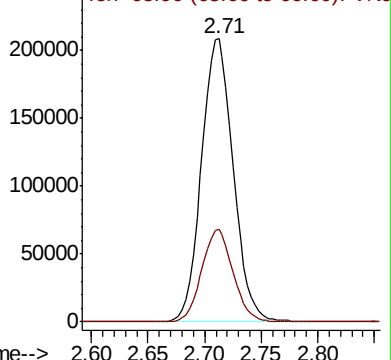
Ion Ratio Lower Upper

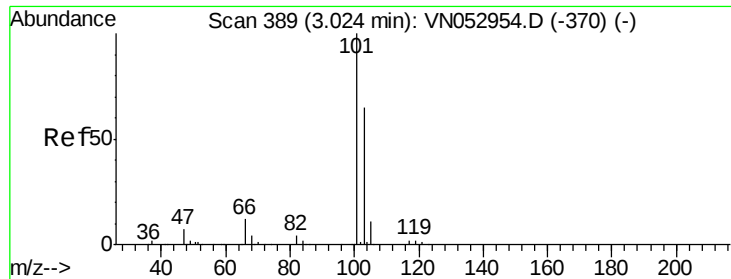
64 100

66 32.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN053024.D (-198) (-)





#7

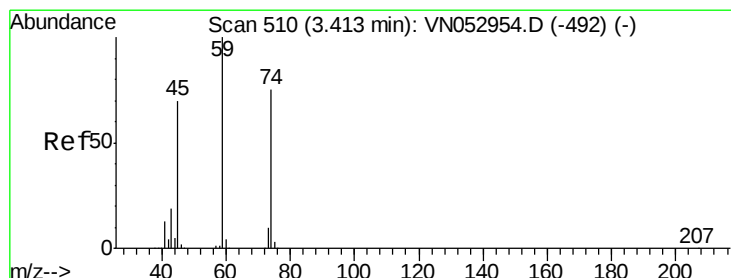
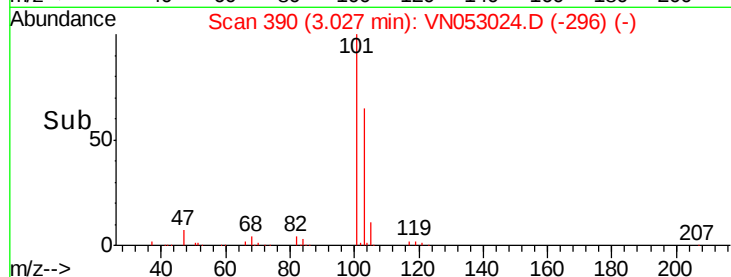
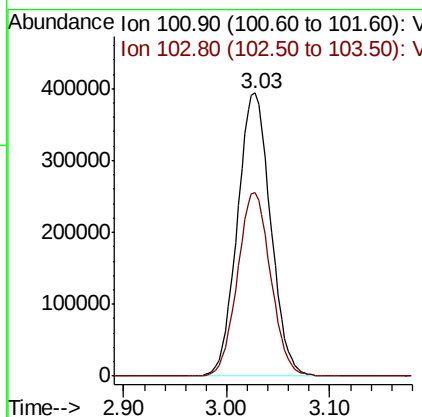
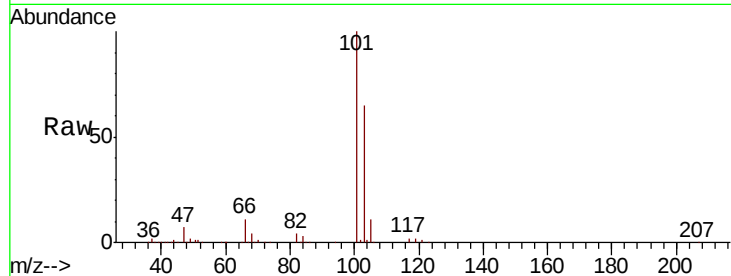
Trichlorofluoromethane
 Concen: 50.099 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

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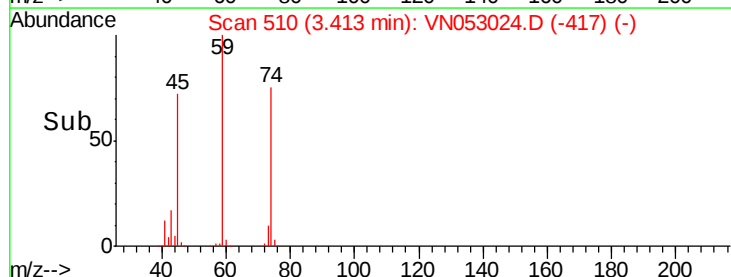
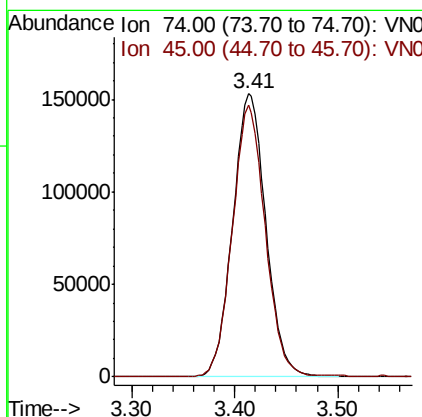
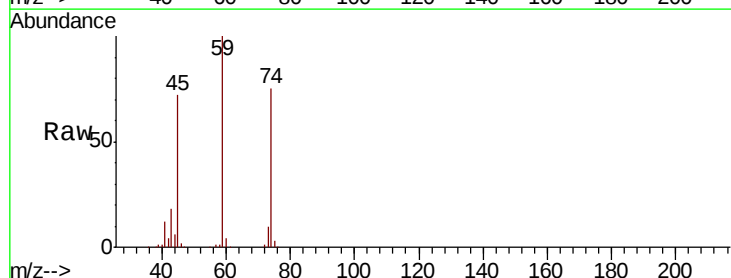
MMDadoda
 12/20/2018 9:33:53 AM

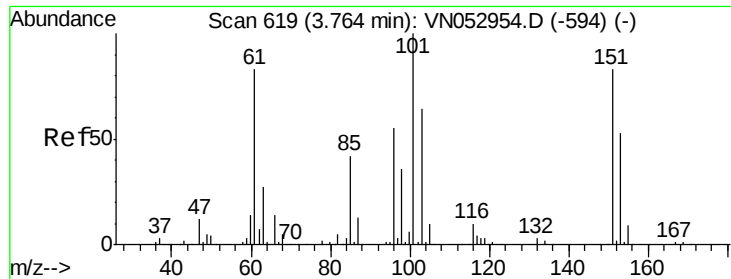


#8

Diethyl Ether
 Concen: 51.618 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.926 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

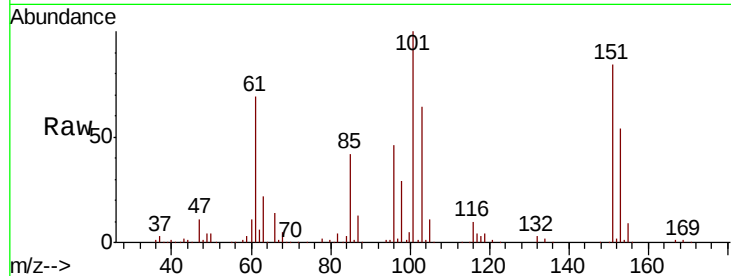
ClientSampleId :

VSTDCCC050

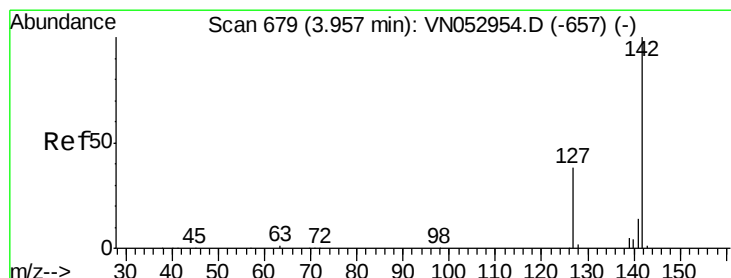
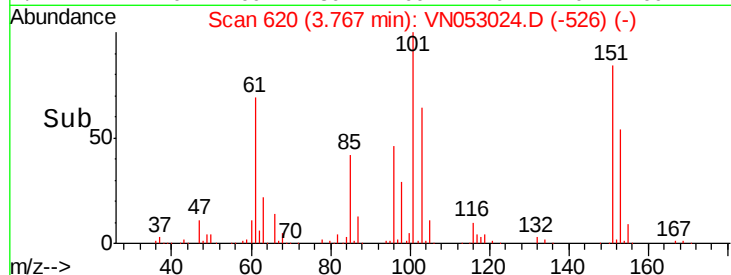
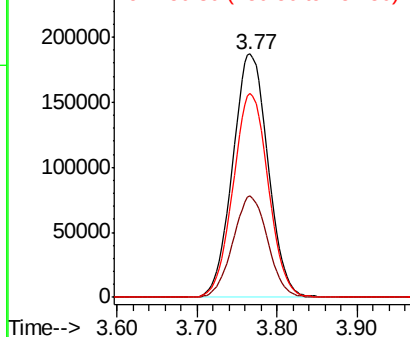
Tot Ion:	101	Resp:	560699
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.6	50.4
151	83.4	65.5	98.3

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



#10

Methyl Iodide

Concen: 50.319 ug/l

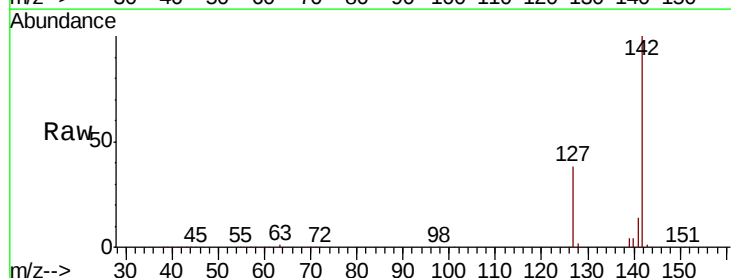
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

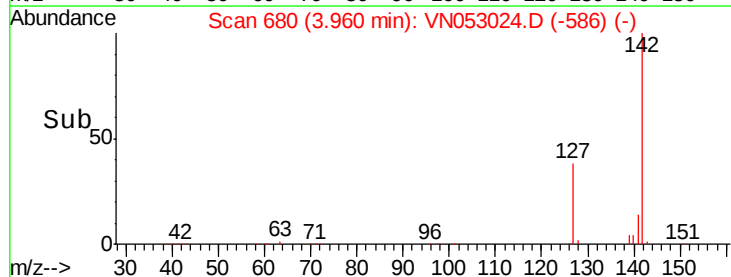
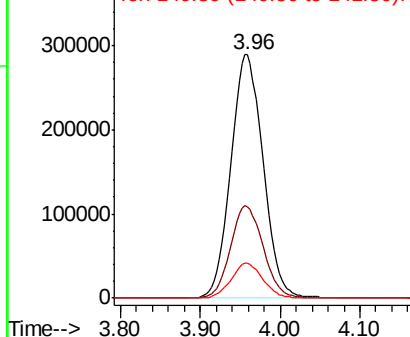
Lab File: VN053024.D

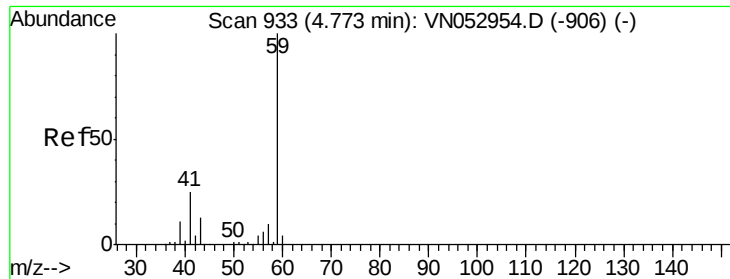
Acq: 19 Dec 2018 21:30

Tgt Ion:	142	Resp:	793597
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	14.1	11.2	16.8



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





#11

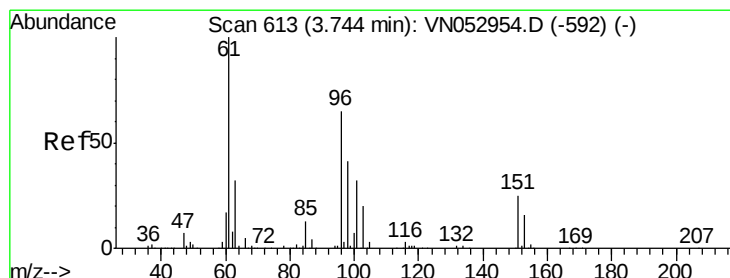
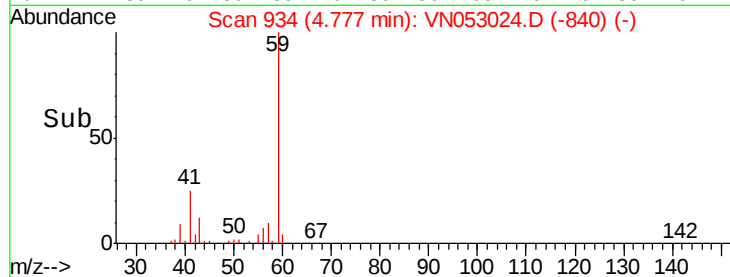
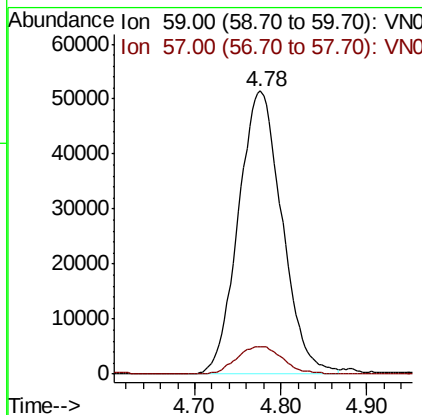
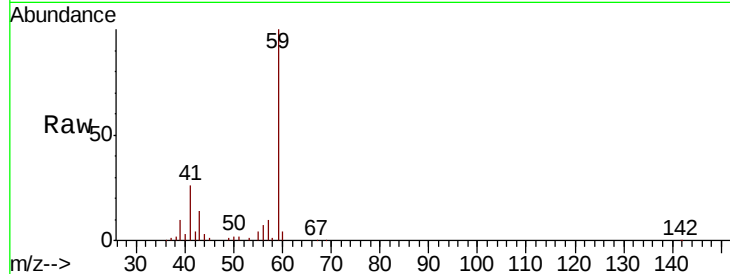
Tert butyl alcohol
 Concen: 257.795 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59.00	Resp	181711
Ion Ratio	100	Lower	Upper
59	100		
57	10.3	7.7	11.5

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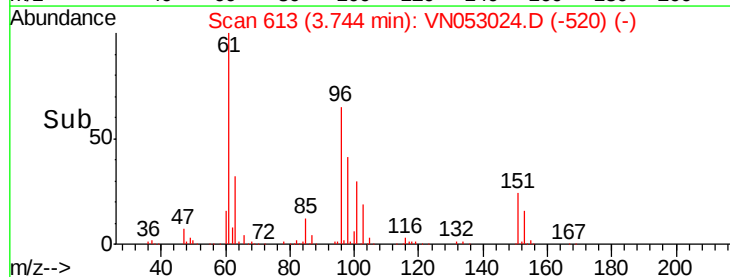
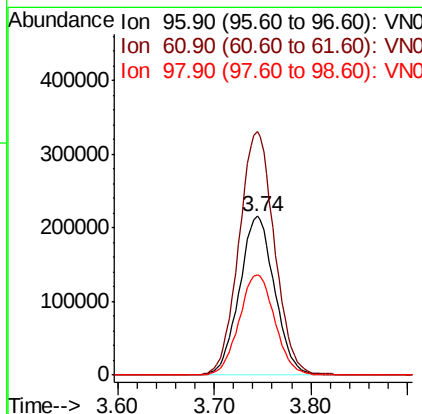
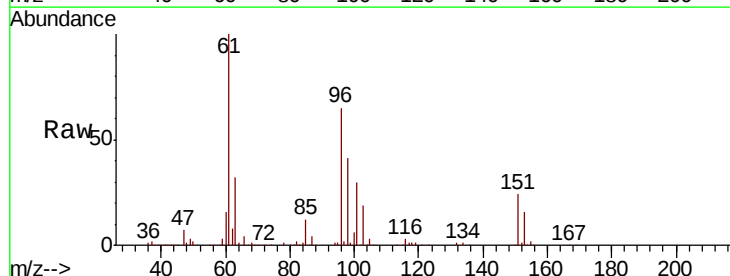
MMDadoda
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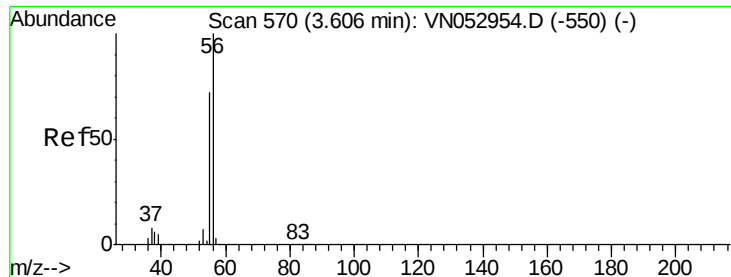


#12

1,1-Dichloroethene
 Concen: 50.192 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	96	Resp	544583
Ion Ratio	100	Lower	Upper
96	100		
61	153.1	125.6	188.4
98	63.2	50.6	75.8





#13

Acrolein

Concen: 361.886 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 231292

Ion Ratio Lower Upper

56 100

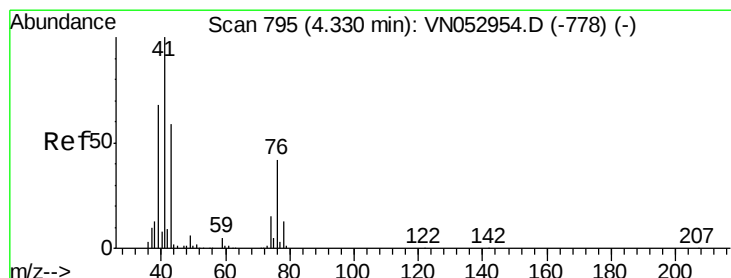
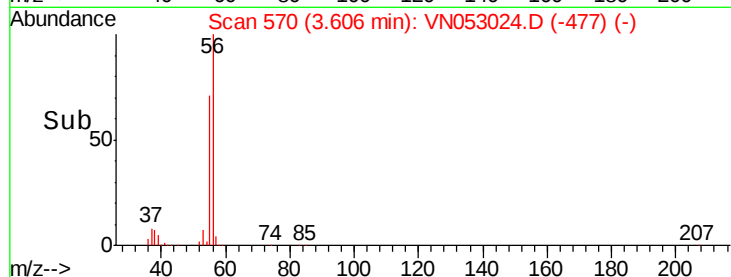
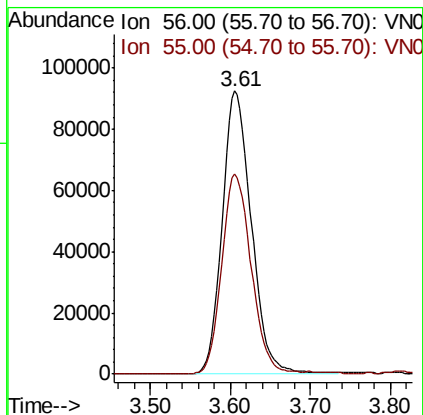
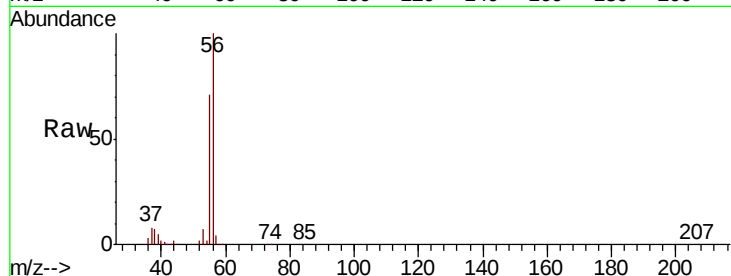
55 71.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.098 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

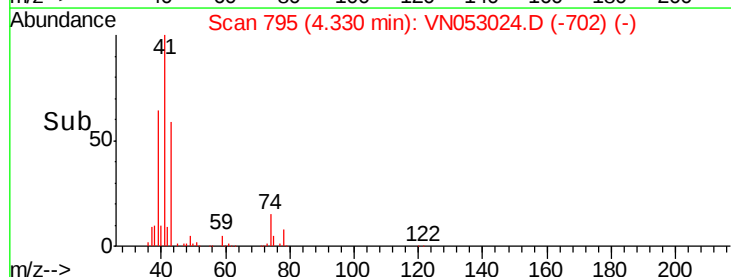
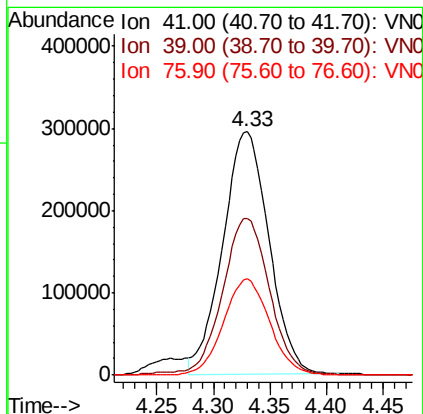
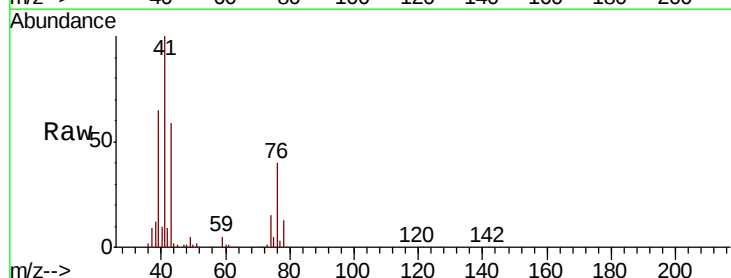
Tgt Ion: 41 Resp: 841960

Ion Ratio Lower Upper

41 100

39 66.2 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 257.414 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1008003

Ion Ratio Lower Upper

53 100

52 81.7 65.1 97.7

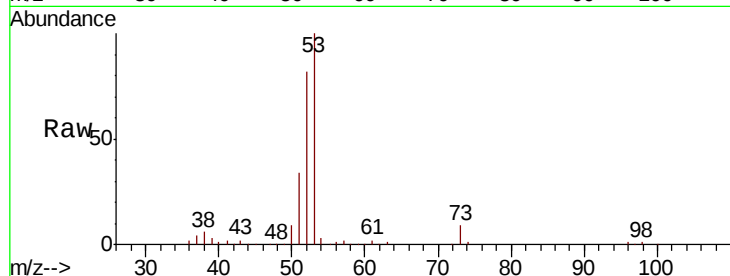
51 35.2 28.1 42.1

Manual Integrations

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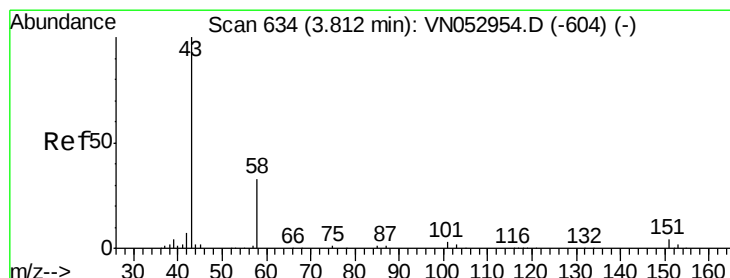
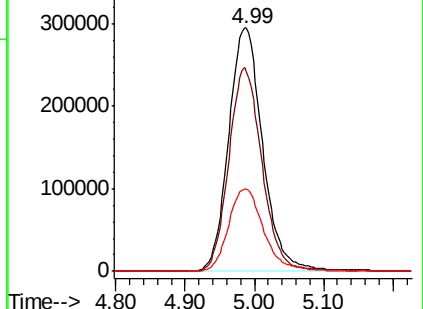
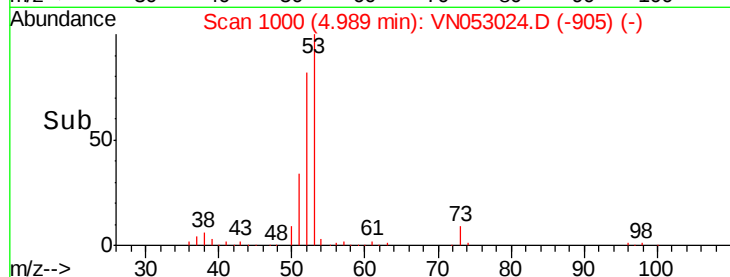
12/20/2018 9:33:53 AM



Abundance Ion 53.00 (52.70 to 53.70): VN053024.D (-998) (-)

Ion 52.00 (51.70 to 52.70): VN053024.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VN053024.D (-998) (-)



#16

Acetone

Concen: 274.507 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053024.D

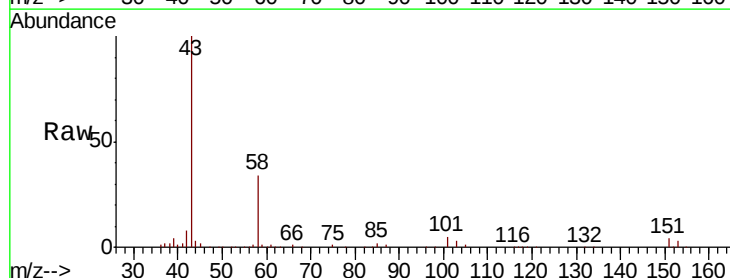
Acq: 19 Dec 2018 21:30

Tgt Ion: 43 Resp: 621760

Ion Ratio Lower Upper

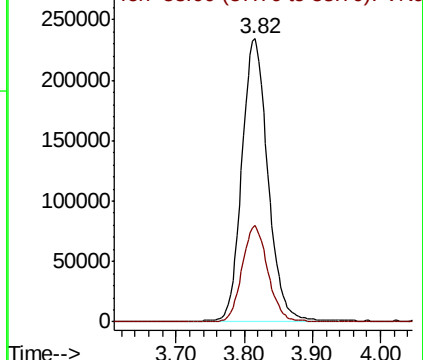
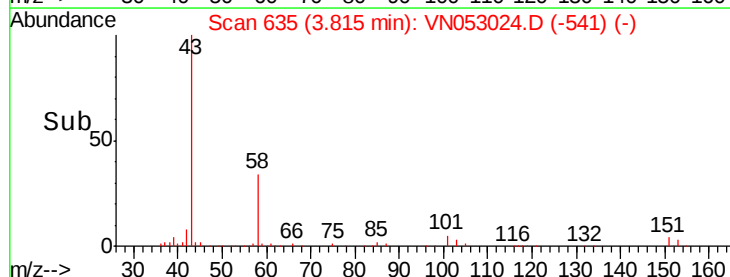
43 100

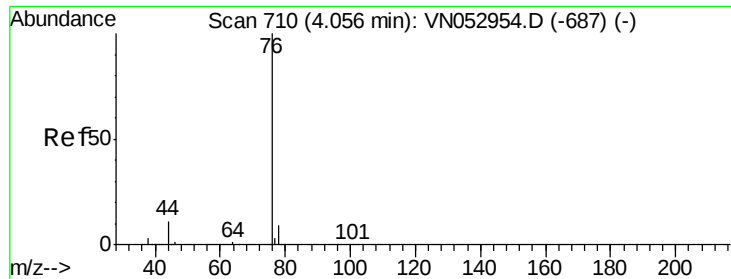
58 33.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053024.D (-635) (-)

Ion 58.00 (57.70 to 58.70): VN053024.D (-635) (-)





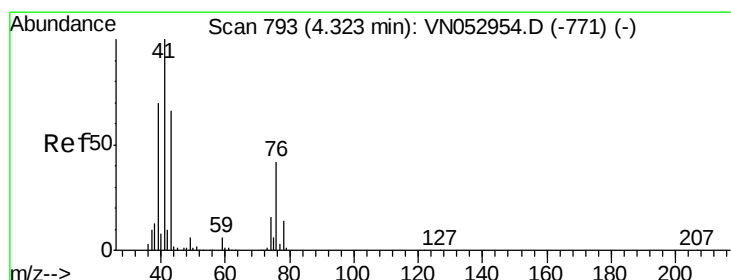
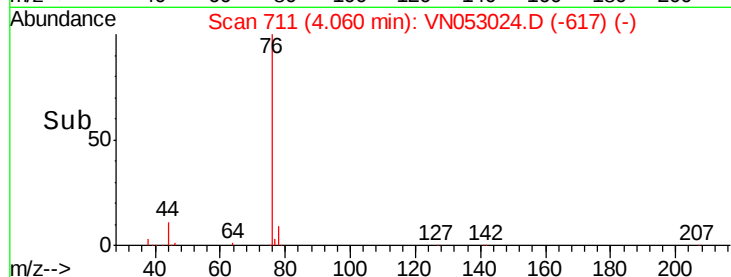
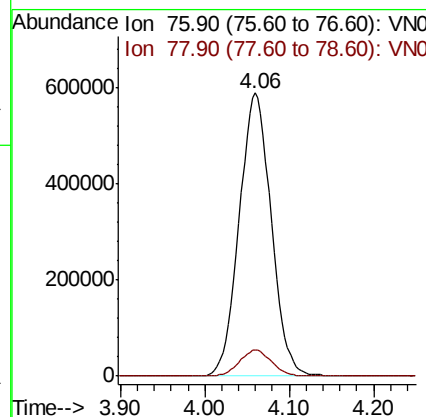
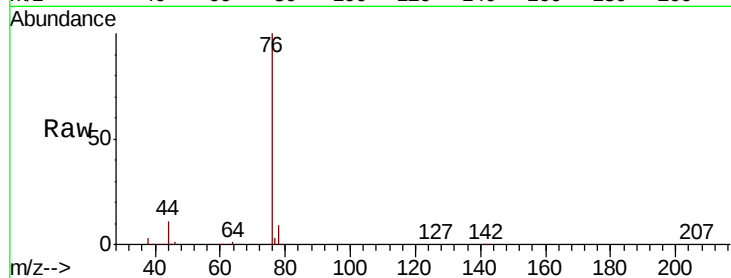
#17
Carbon Disulfide
Concen: 44.061 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1559072
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

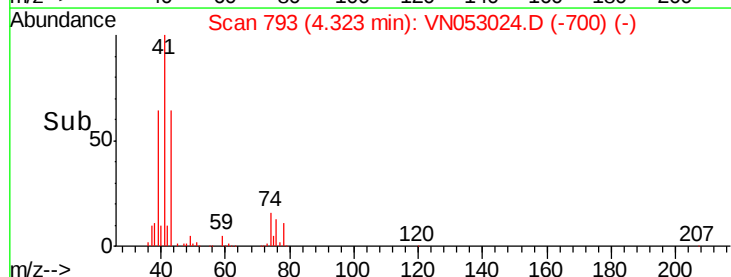
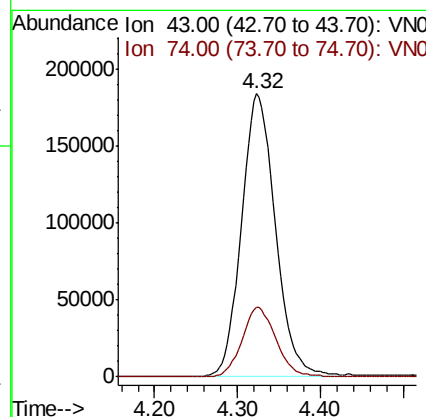
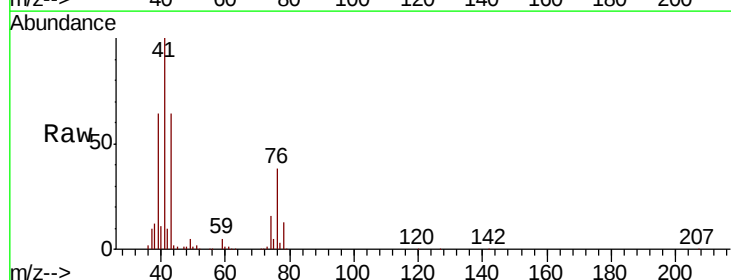
Manual Integrations
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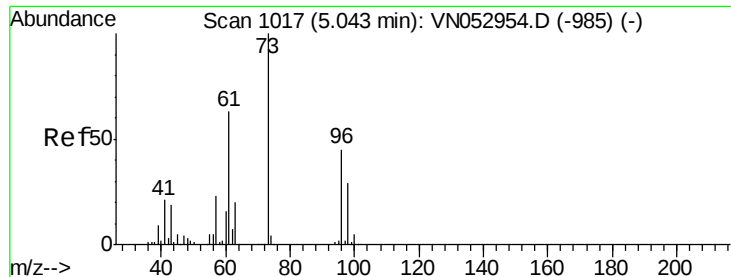
MMDadoda
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#18
Methyl Acetate
Concen: 50.661 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 43 Resp: 520946
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8





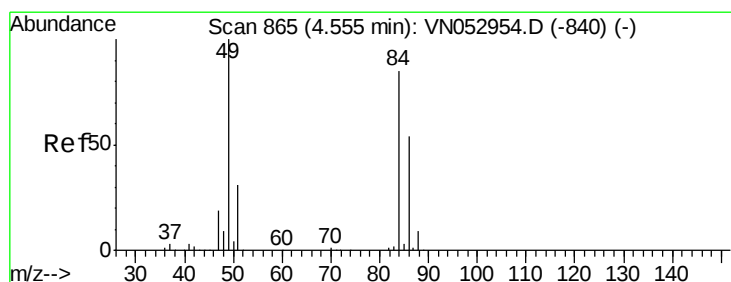
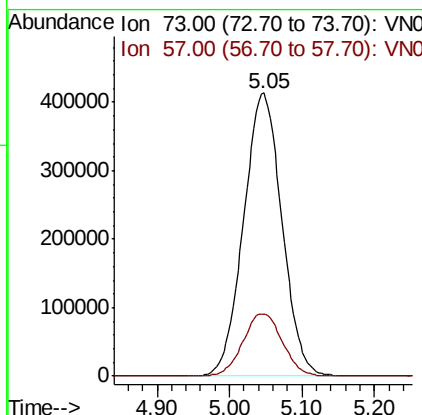
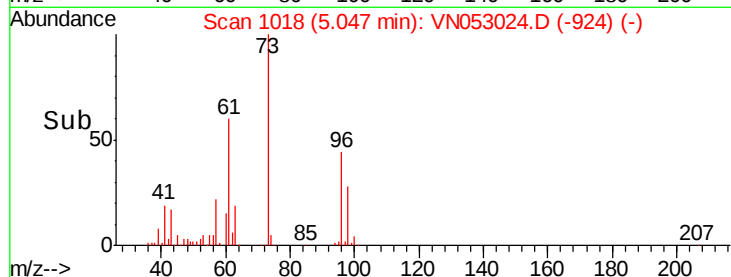
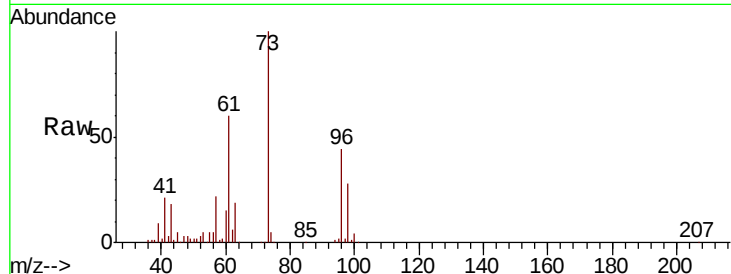
#19
Methyl tert-butyl Ether
Concen: 52.377 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1520775
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

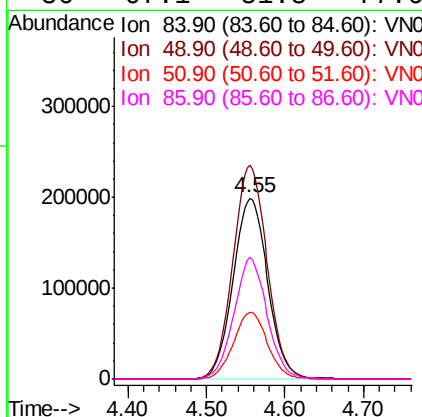
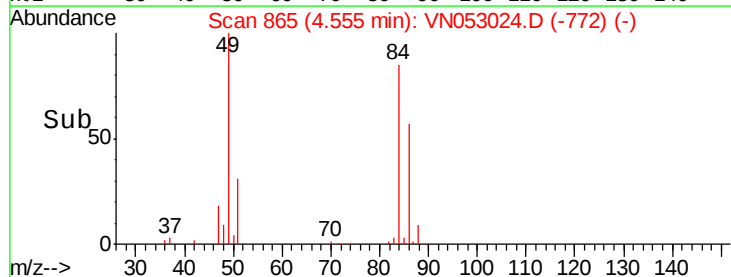
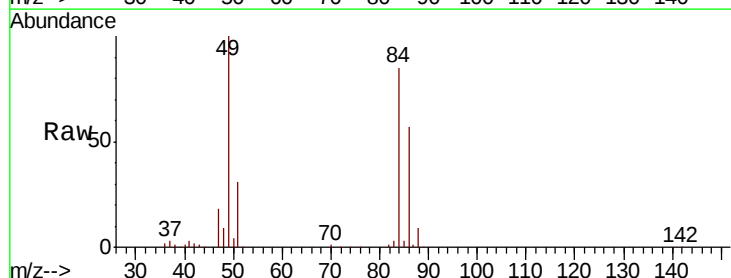
Manual Integrations
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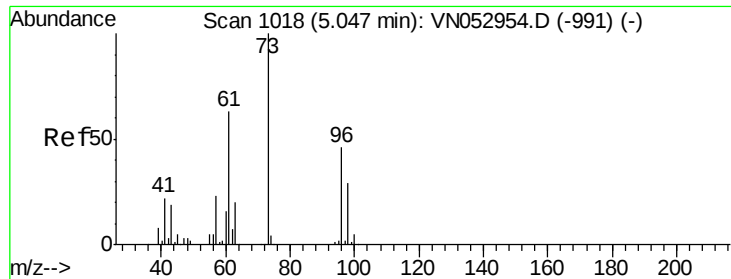
MMDadoda
12/20/2018 9:33:53 AM



#20
Methylene Chloride
Concen: 49.563 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 84 Resp: 612367
Ion Ratio Lower Upper
84 100
49 118.1 96.8 145.2
51 36.8 29.9 44.9
86 67.1 51.8 77.6





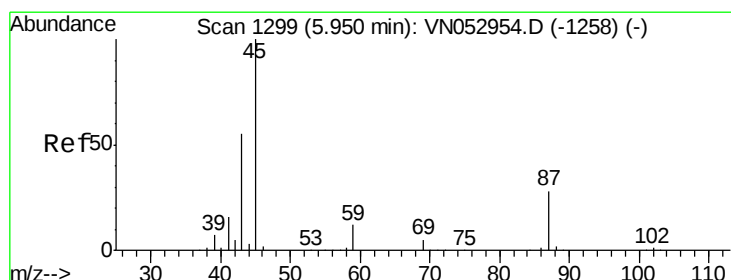
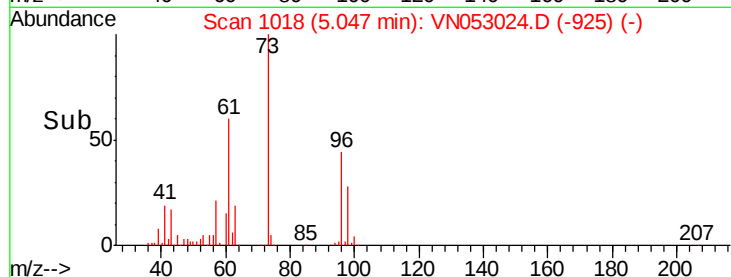
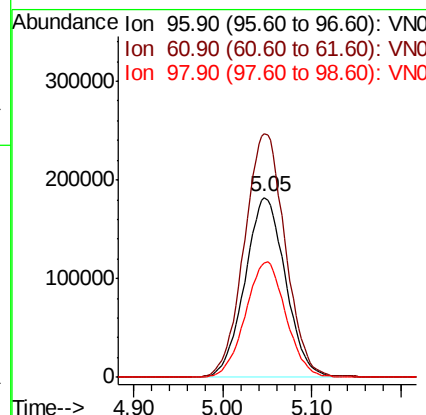
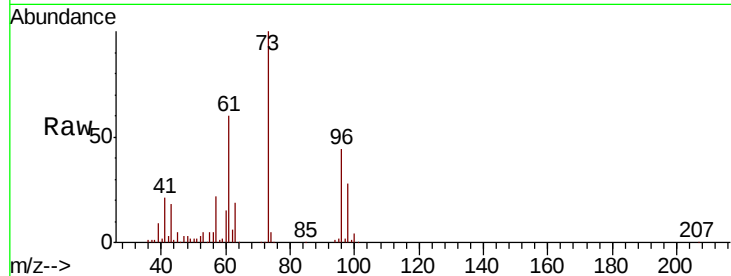
#21
trans-1,2-Dichloroethene
Concen: 49.501 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	110.8	166.2
98	63.6	51.4	77.2

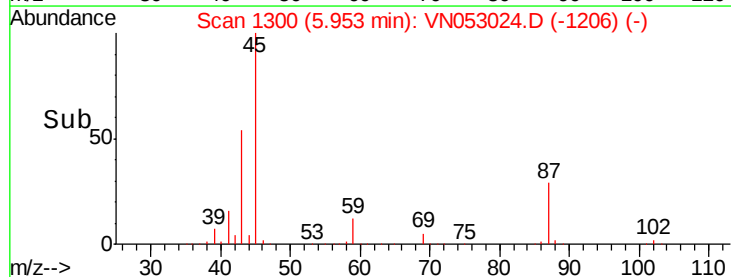
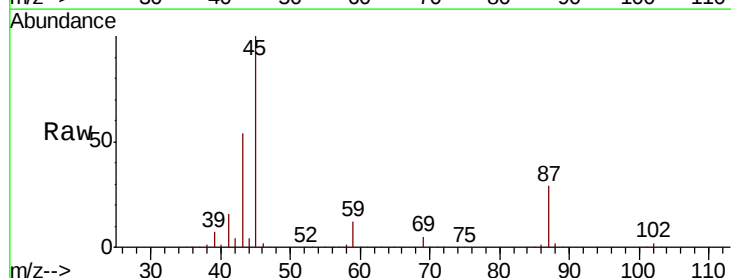
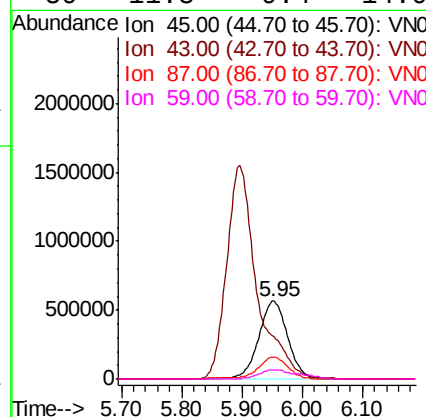
Manual Integrations
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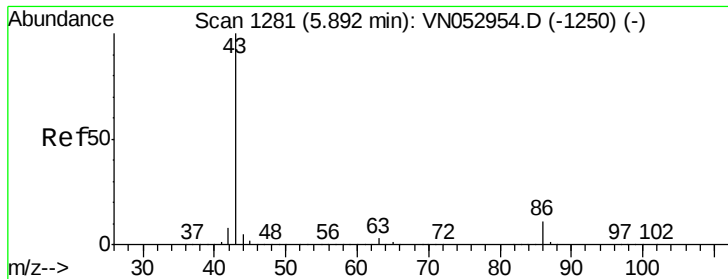
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#22
Diisopropyl ether
Concen: 52.889 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.5	68.3
87	28.4	22.0	33.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 263.734 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5440352

Ion Ratio Lower Upper

43 100

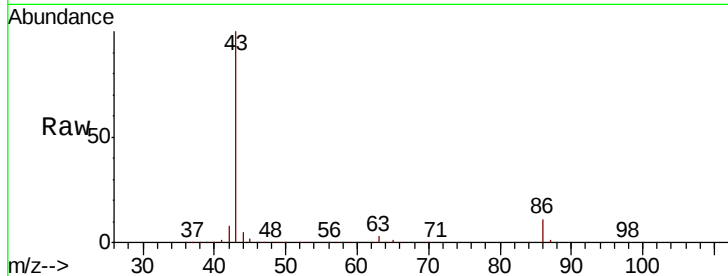
86 10.6 8.1 12.1

Manual Integrations

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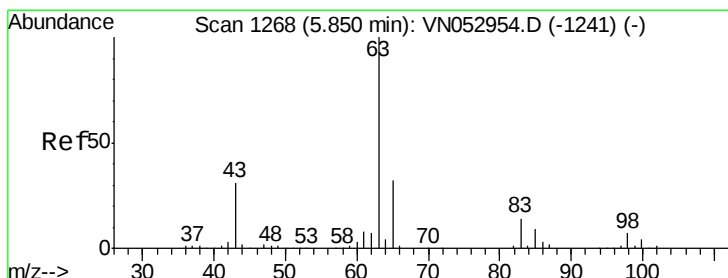
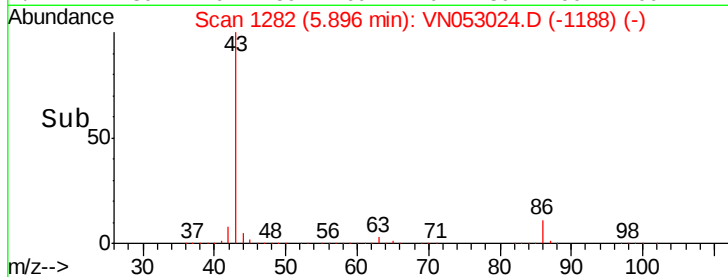
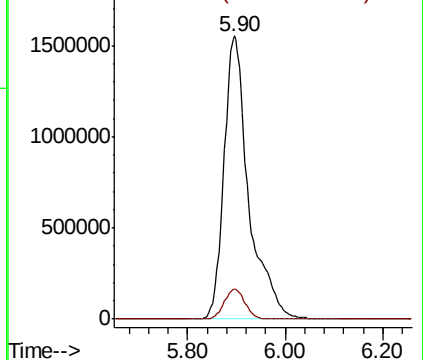
MMDadoda

12/20/2018 9:33:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.174 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

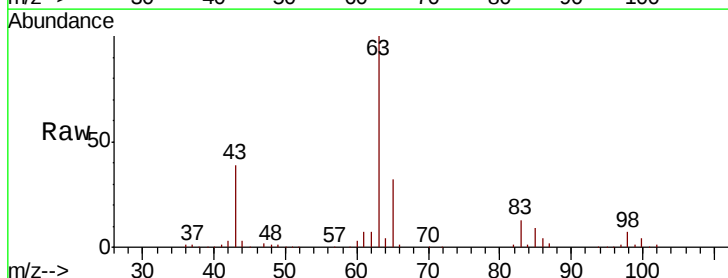
Tgt Ion: 63 Resp: 1090868

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

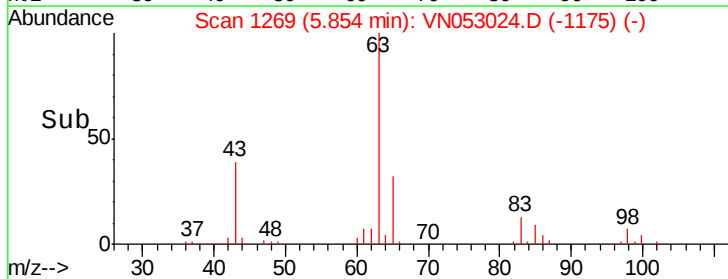
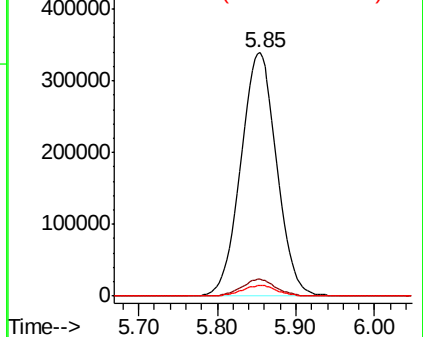
100 4.2 2.0 5.8

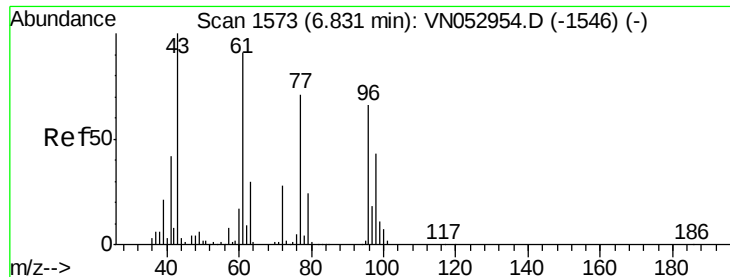


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 276.285 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1050225

Ion Ratio Lower Upper

43 100

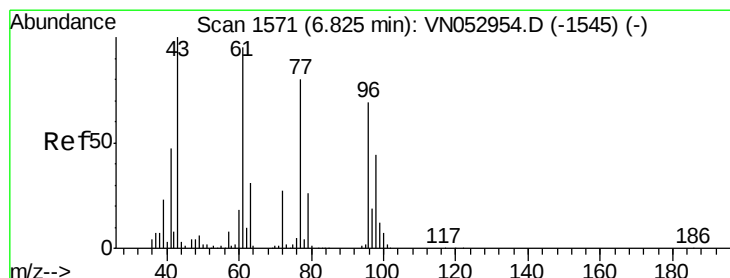
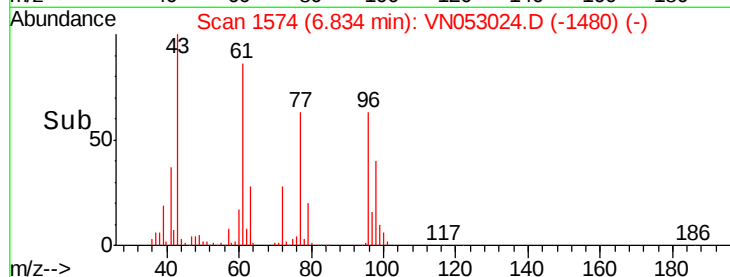
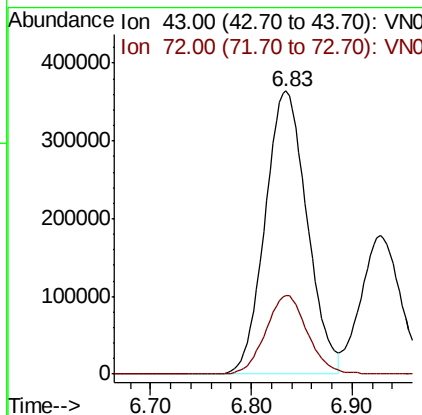
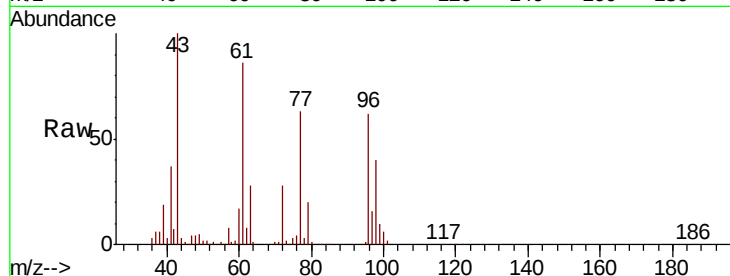
72 27.7 21.0 31.6

Manual Integrations

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MMDadoda

12/20/2018 9:33:53 AM



#26

2,2-Dichloropropane

Concen: 46.876 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053024.D

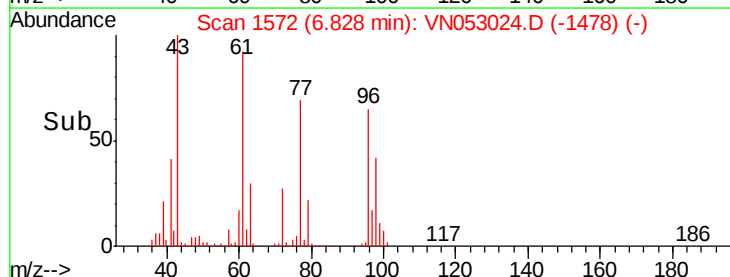
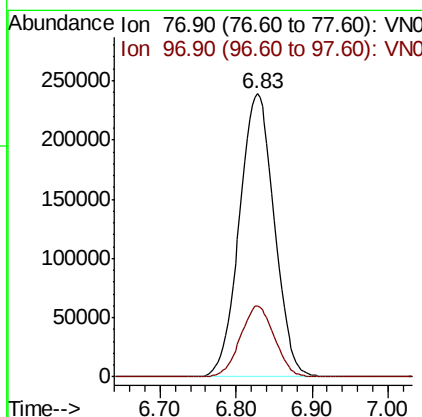
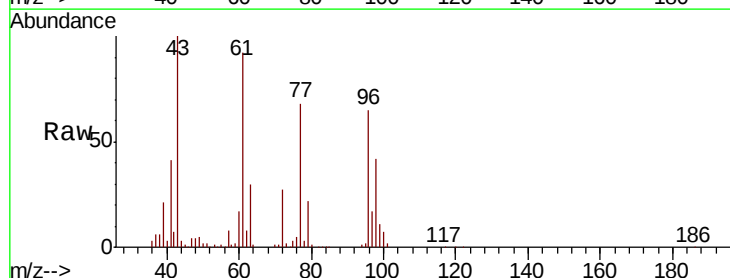
Acq: 19 Dec 2018 21:30

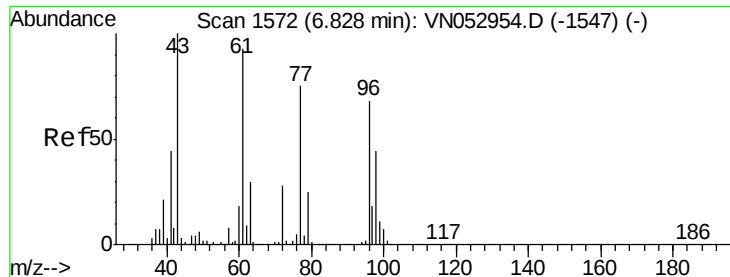
Tgt Ion: 77 Resp: 762800

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.641 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

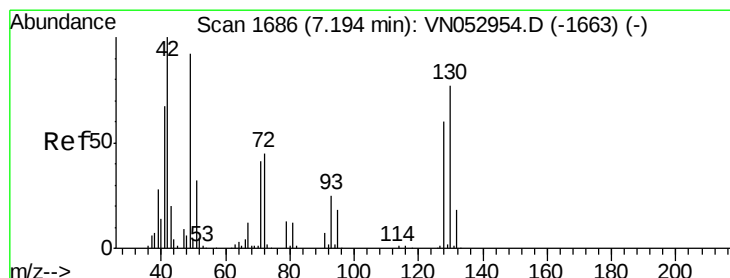
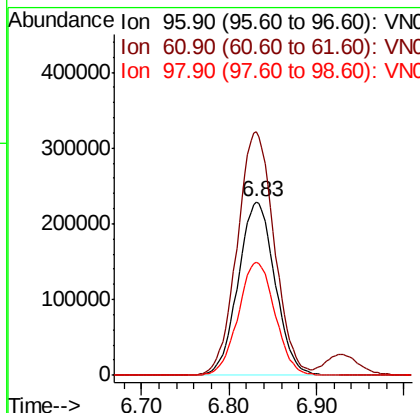
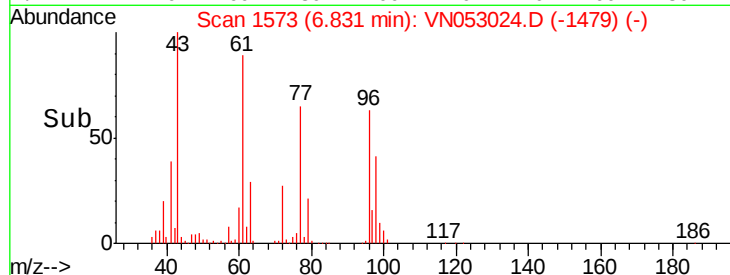
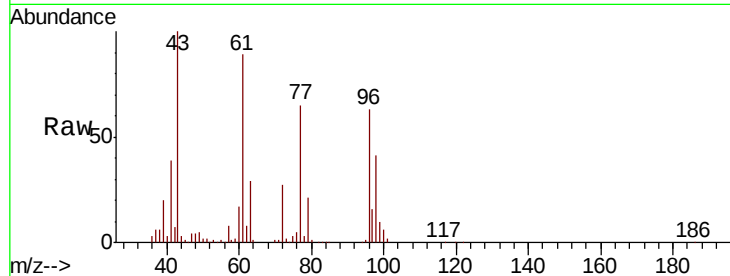
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	668333
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	284.2
98	65.3	0.0	129.2

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#28

Bromochloromethane

Concen: 52.072 ug/l

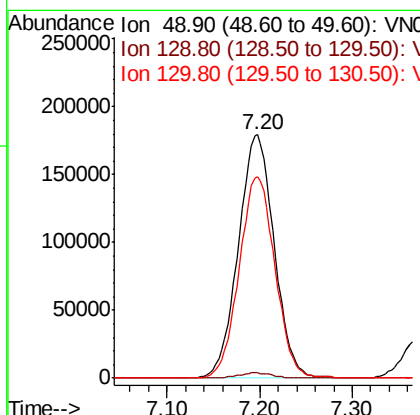
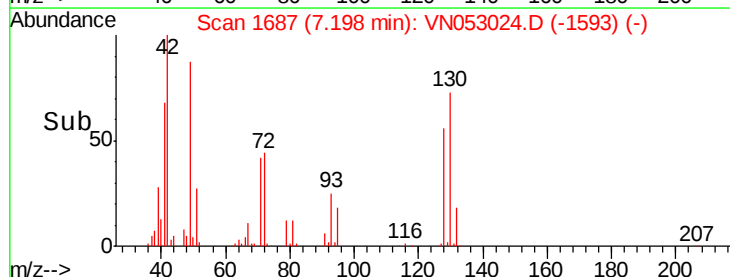
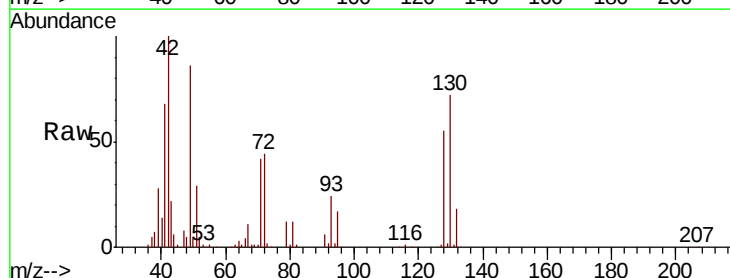
RT: 7.20 min Scan# 1687

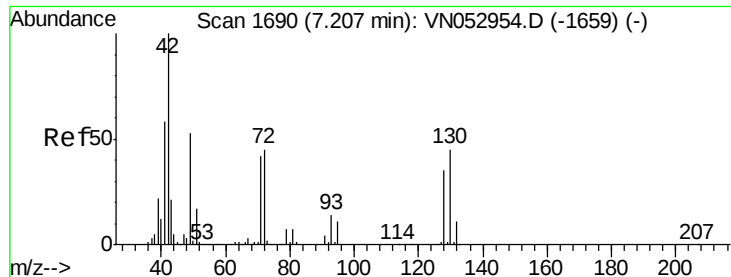
Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion:	49	Resp:	480986
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.9	63.3	94.9





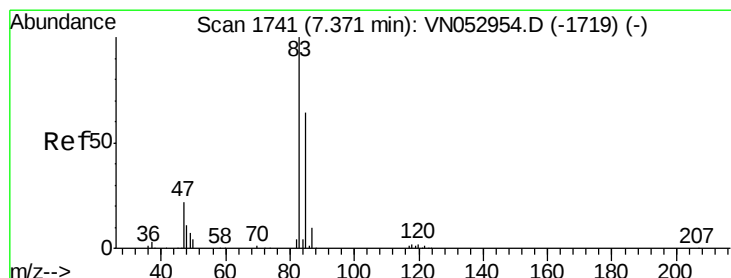
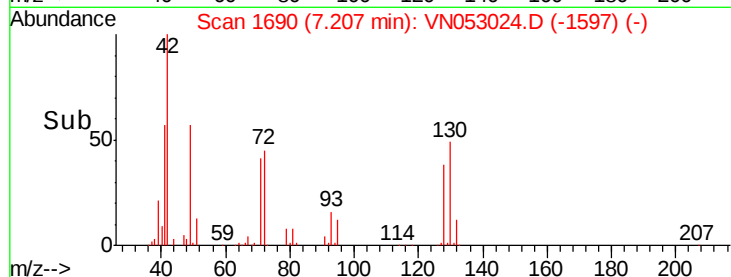
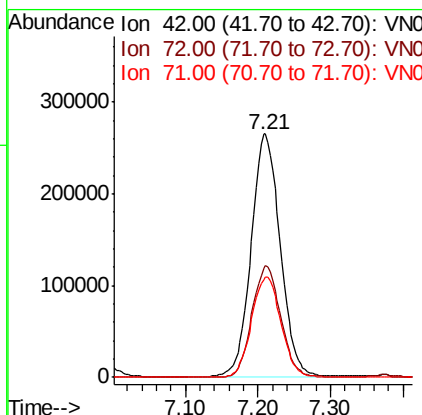
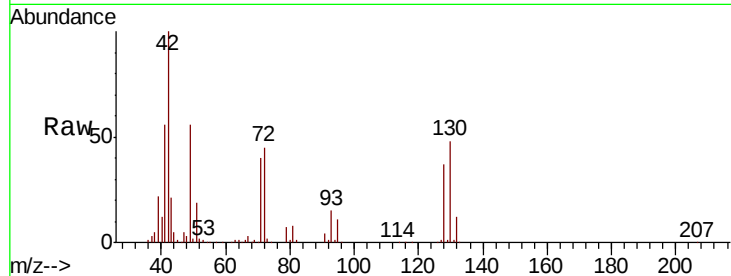
#29
Tetrahydrofuran
Concen: 262.117 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.7	52.1
71	41.7	32.3	48.5

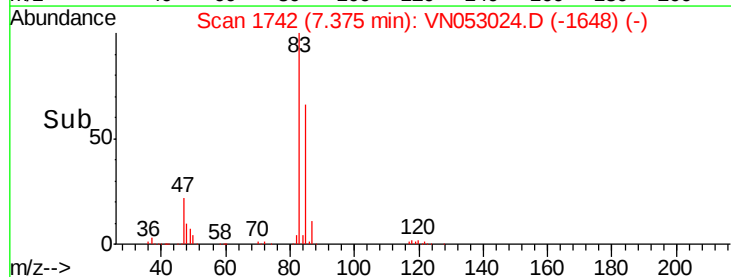
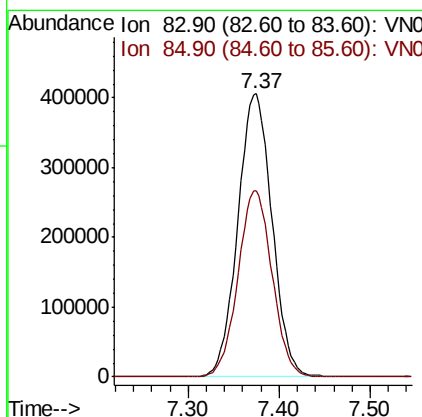
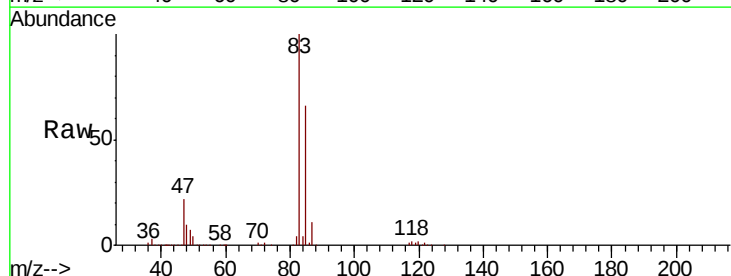
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#30
Chloroform
Concen: 50.629 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.1	78.1





#31

Cyclohexane

Concen: 50.601 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1011400

Ion Ratio Lower Upper

56 100

69 32.9 26.6 39.8

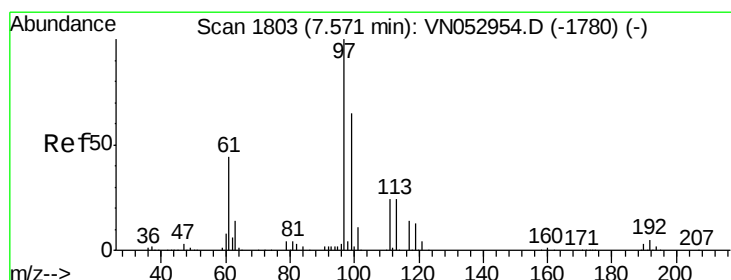
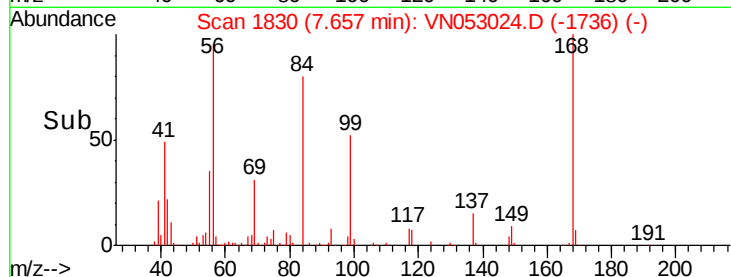
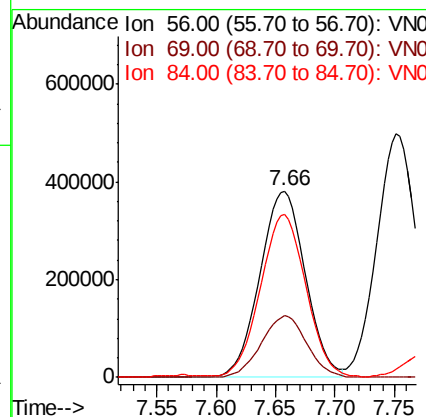
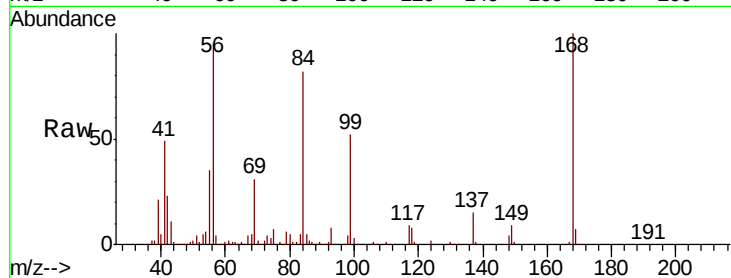
84 86.0 68.4 102.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.482 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

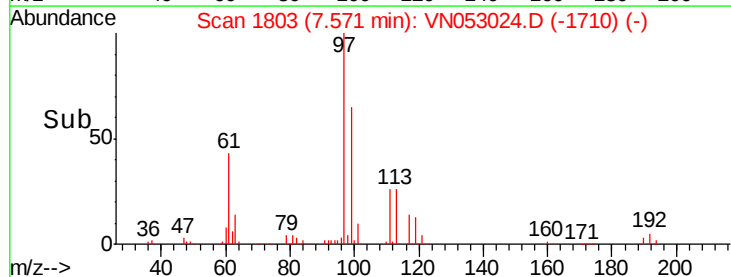
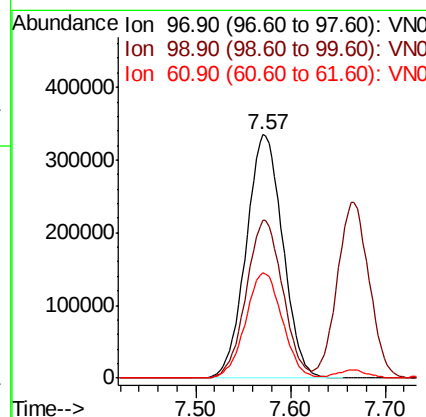
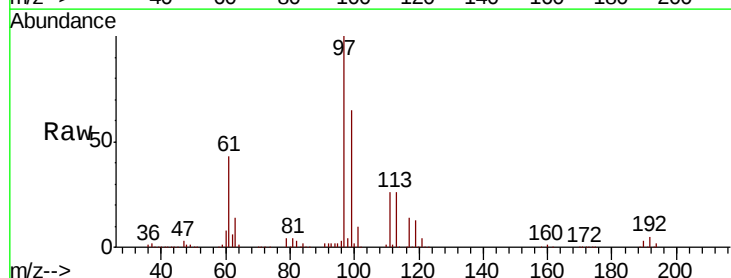
Tgt Ion: 97 Resp: 900535

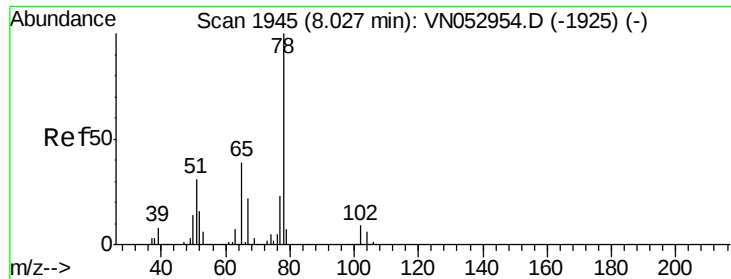
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 43.4 35.0 52.6





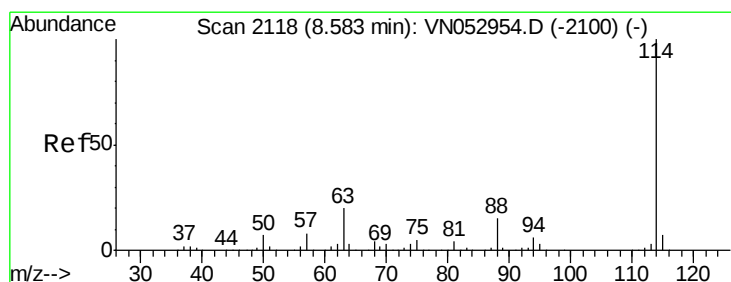
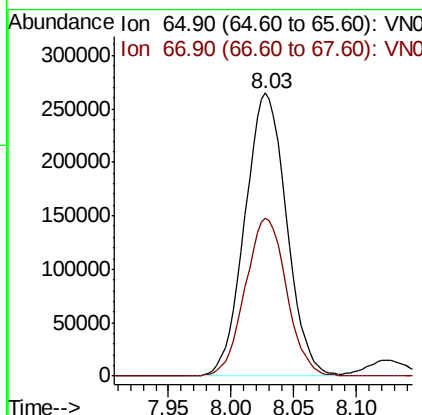
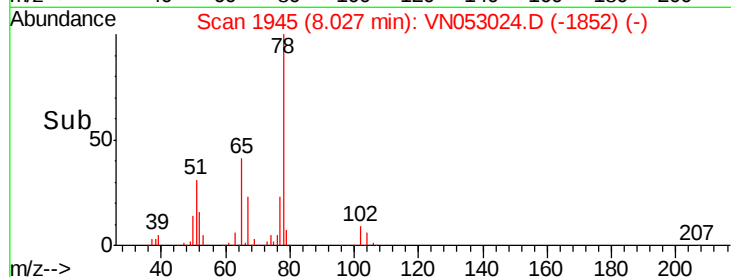
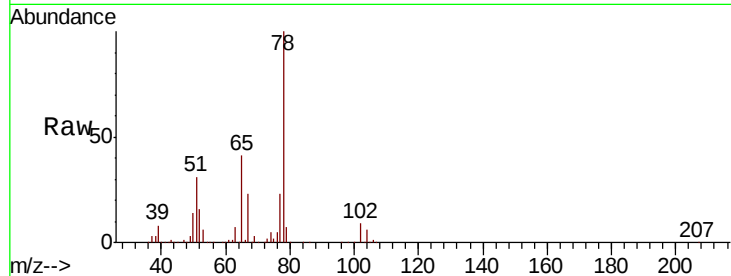
#33
 1,2-Dichloroethane-d4
 Concen: 50.482 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	612714		
67	55.5	0.0	110.4	

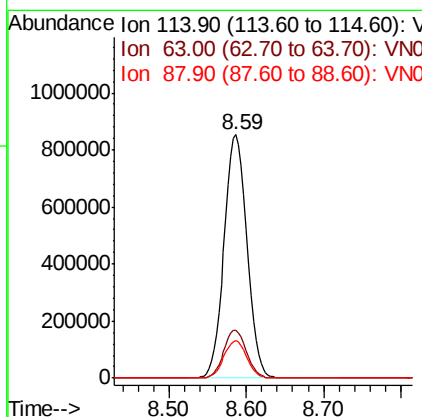
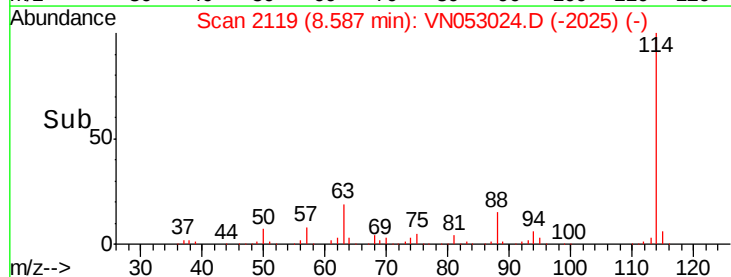
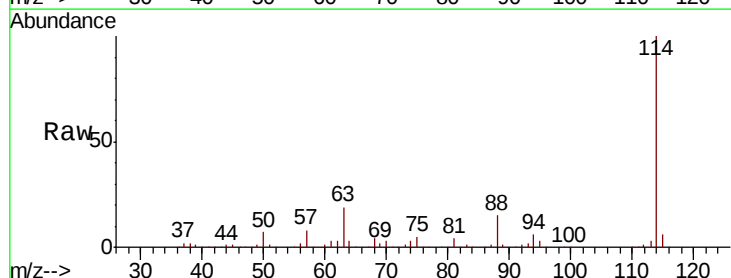
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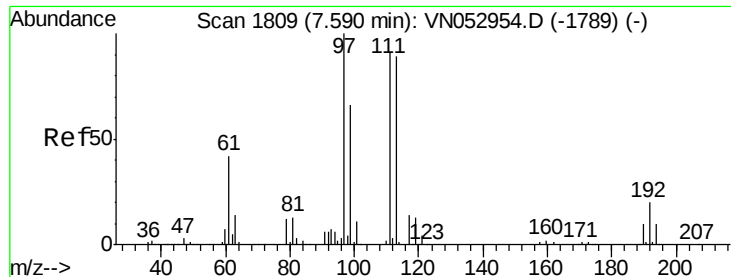
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1748951		
63	19.5	0.0	39.8	
88	15.4	0.0	31.0	





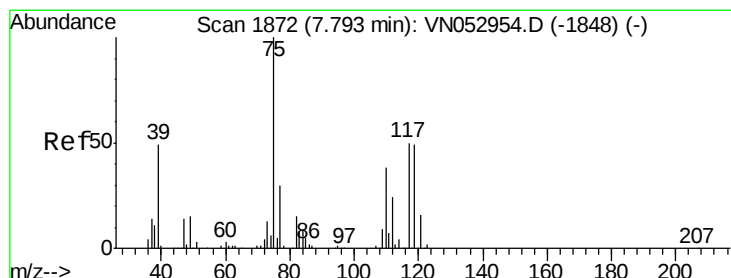
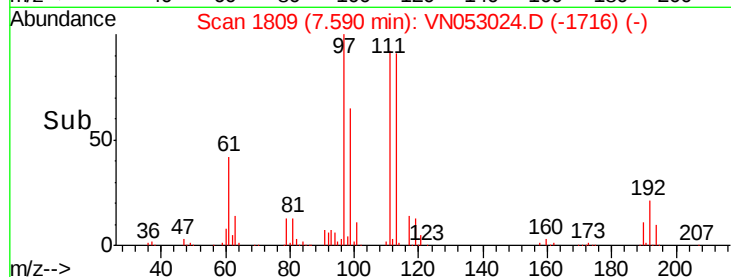
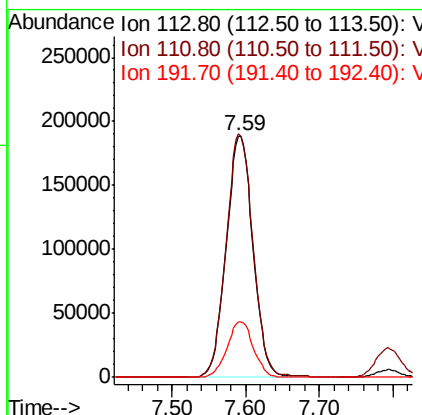
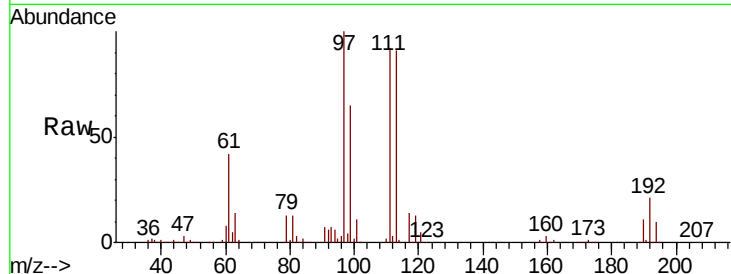
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.4
192	22.7	17.5	26.3

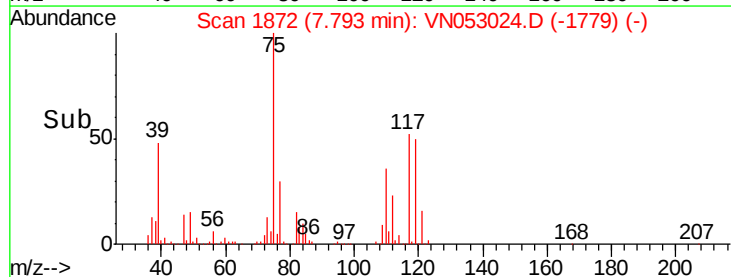
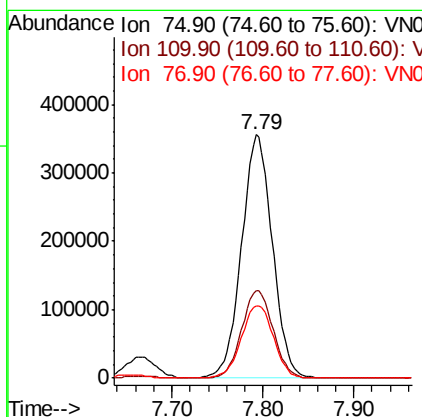
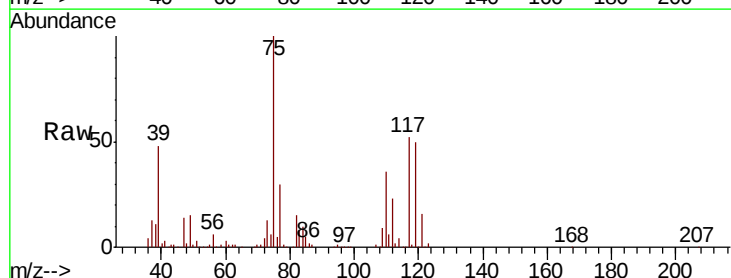
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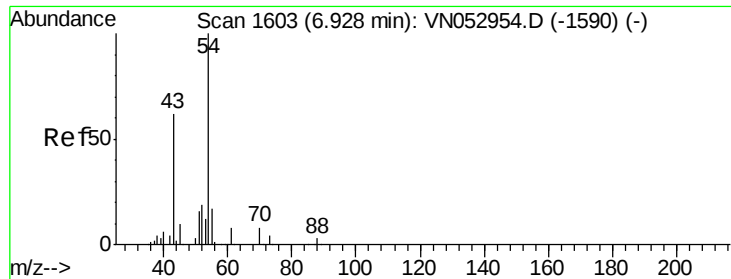
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#36
 1,1-Dichloropropene
 Concen: 49.669 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.2	54.6
77	31.2	24.9	37.3





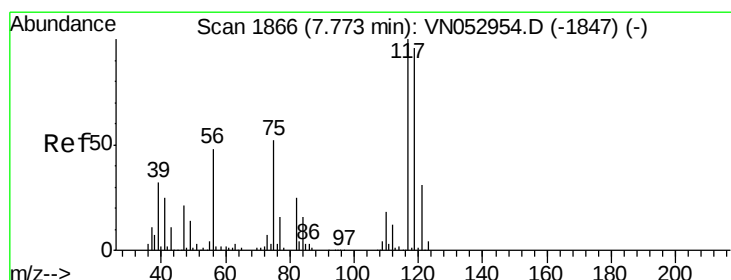
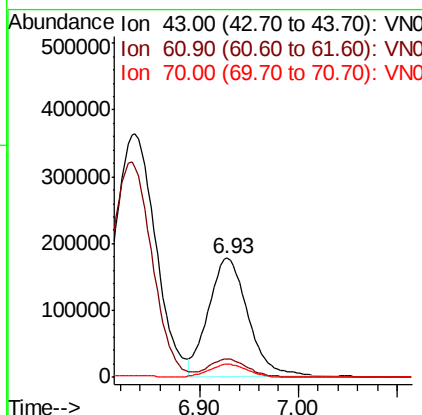
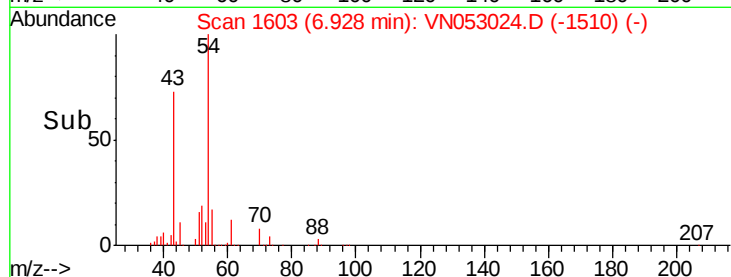
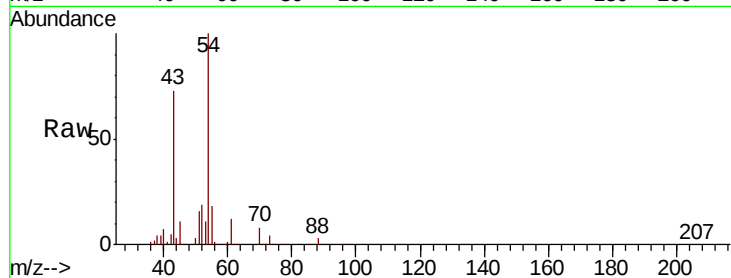
#37
Ethyl Acetate
Concen: 53.006 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.9	8.4	12.6

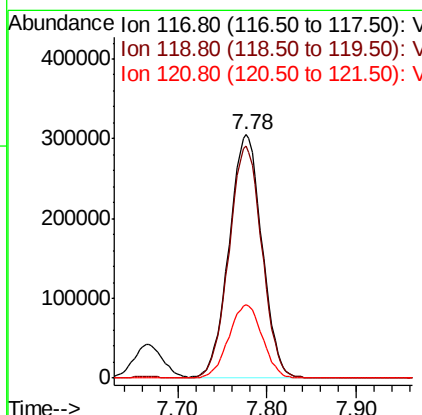
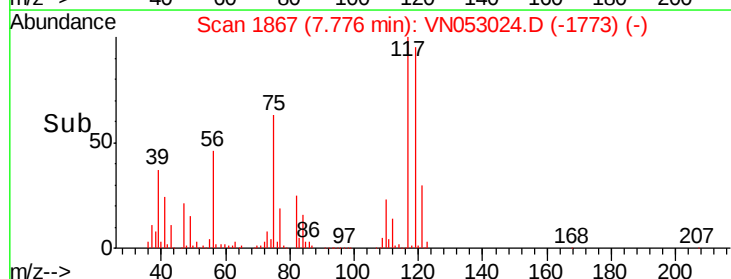
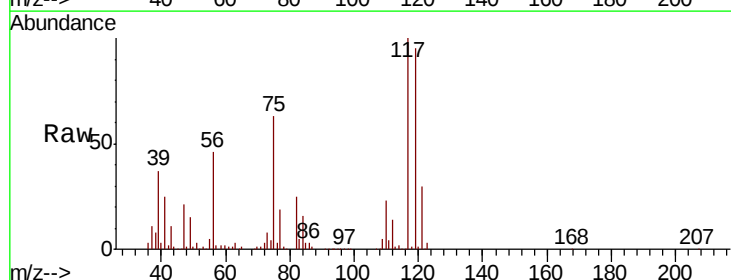
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 50.504 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.1	115.7
121	30.3	24.9	37.3





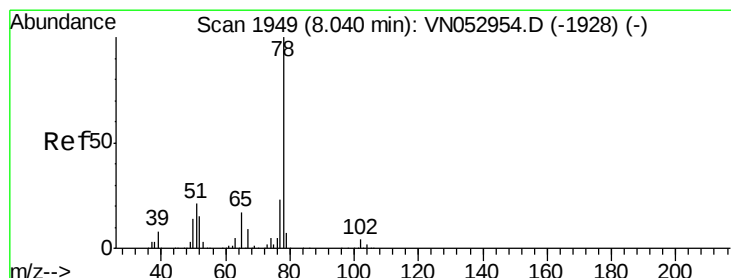
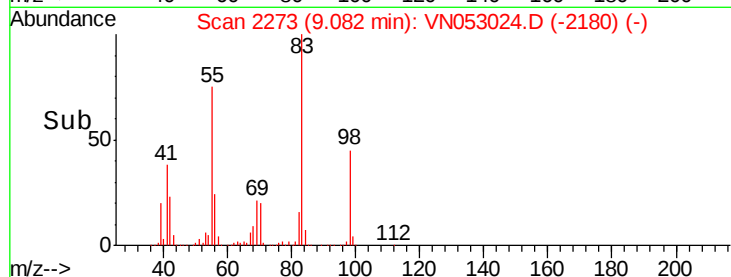
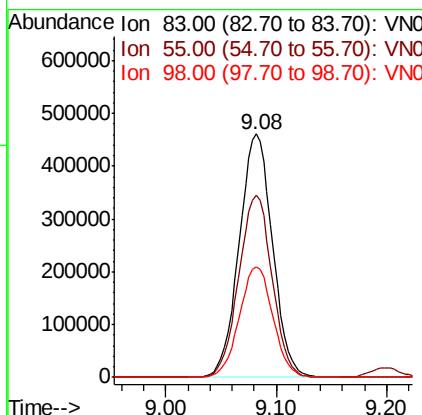
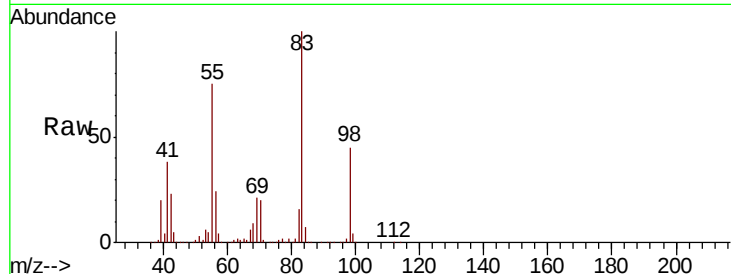
#39
Methvlcvclohexane
Concen: 47.238 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	45.4	37.0	55.4

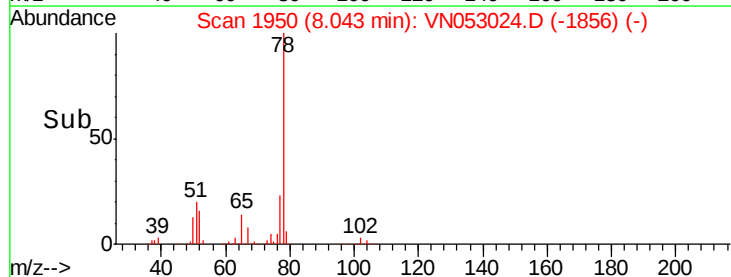
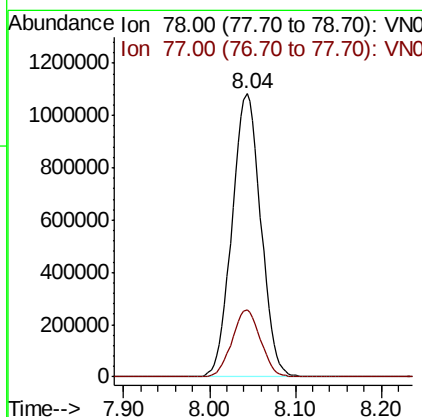
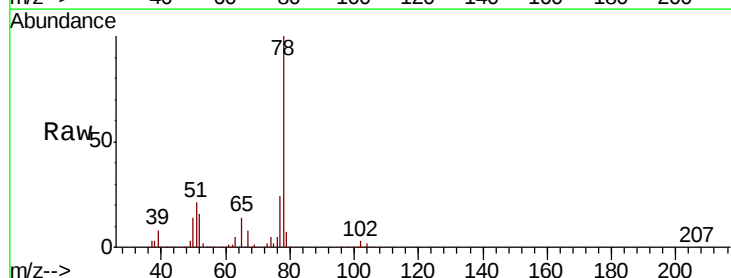
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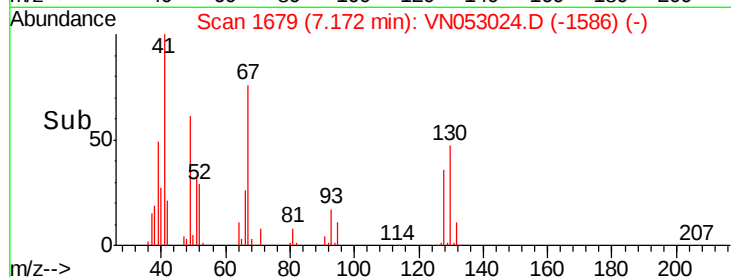
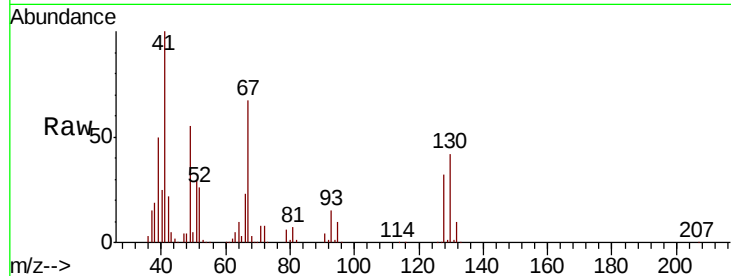
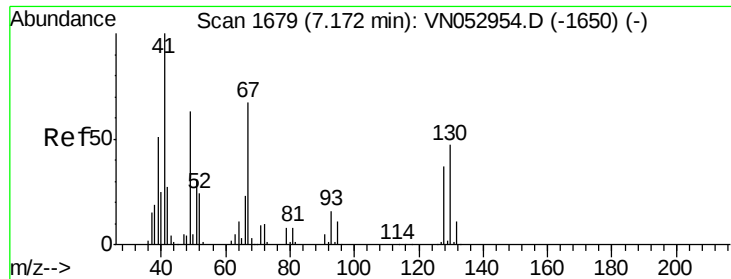
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#40
Benzene
Concen: 50.484 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





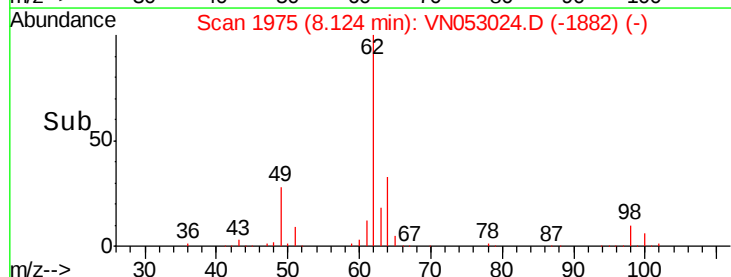
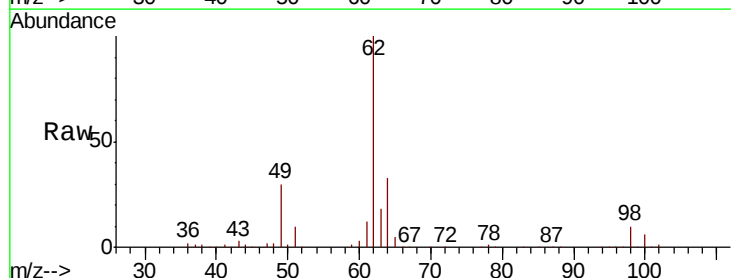
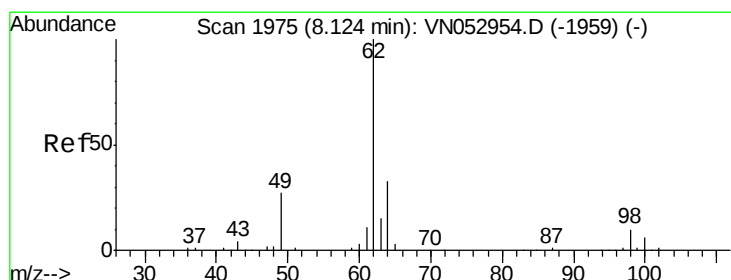
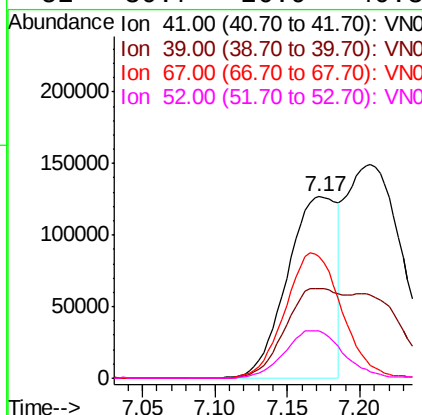
#41
Methacrylonitrile
Concen: 55.608 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	48.0	72.0
67	79.1	70.3	105.5
52	30.7	26.9	40.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

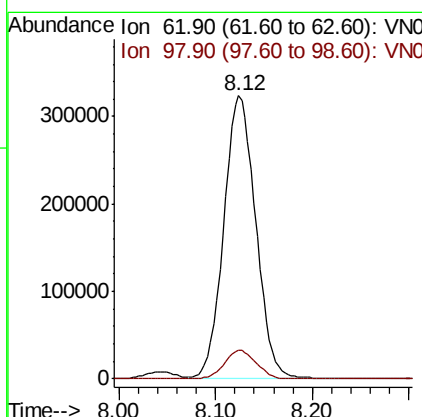
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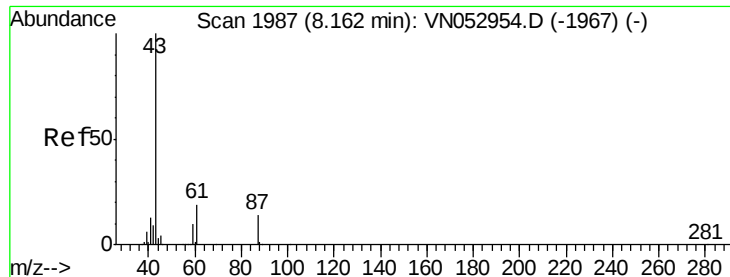
MMDadoda
12/20/2018 9:33:53 AM



#42
1,2-Dichloroethane
Concen: 50.218 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

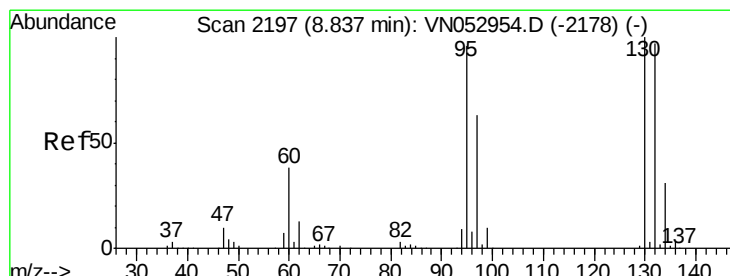
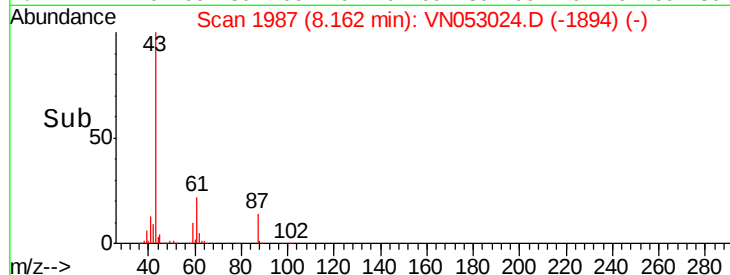
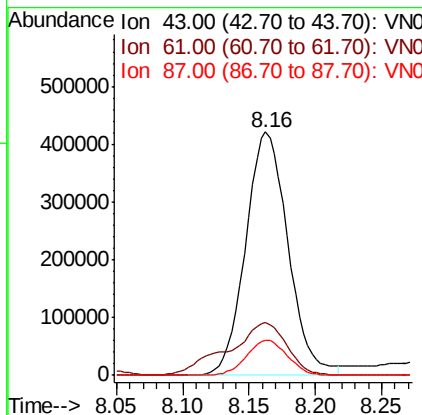
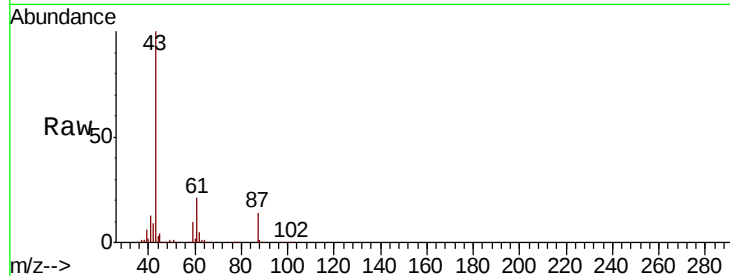
Isopropyl Acetate
 Concen: 51.528 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.9	34.3
87	14.0	10.6	15.8

Manual Integrations
 APPROVED

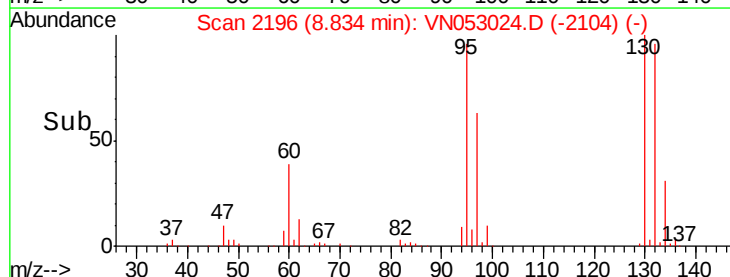
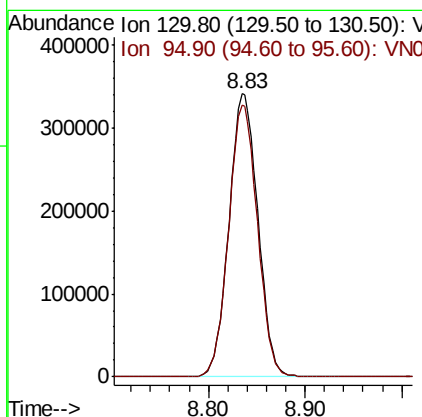
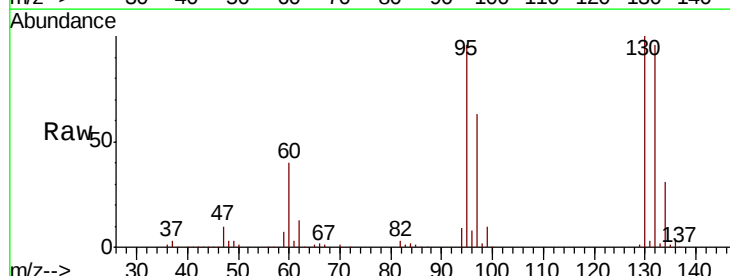
MMDadoda
 12/20/2018 9:33:53 AM

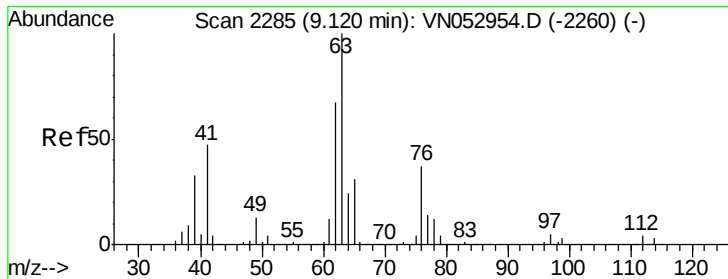


#44

Trichloroethene
 Concen: 48.979 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	197.8





#45

1,2-Dichloropropane

Concen: 51.582 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 670871

Ion Ratio Lower Upper

63 100

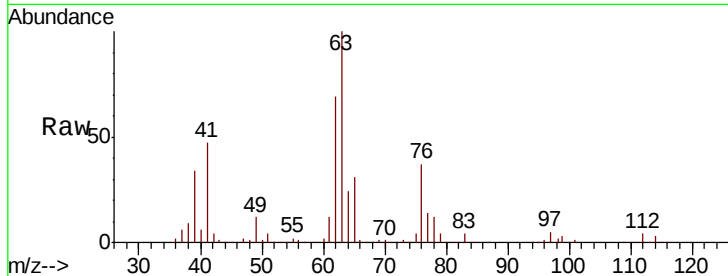
65 31.4 24.6 37.0

Manual Integrations

APPROVED

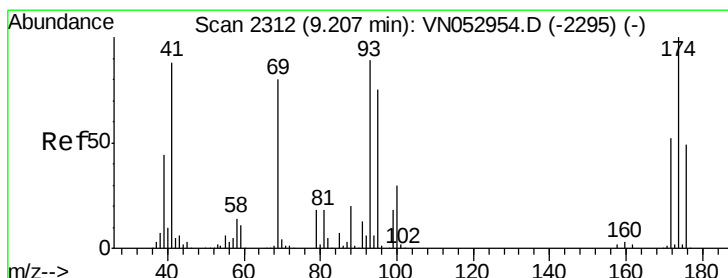
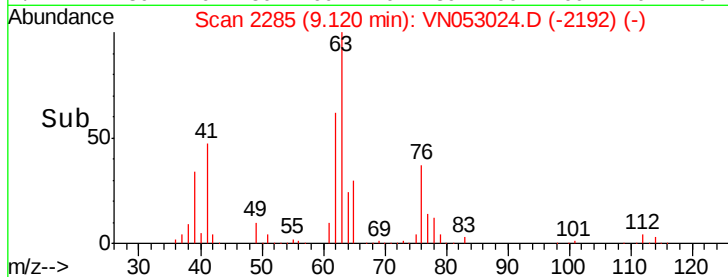
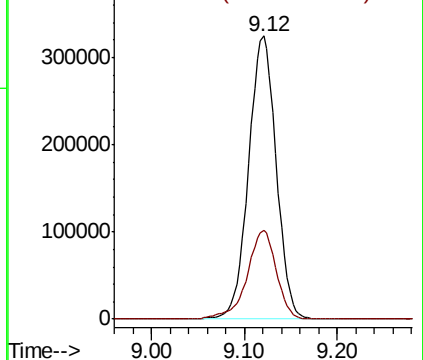
MMDadoda

12/20/2018 9:33:53 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.591 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

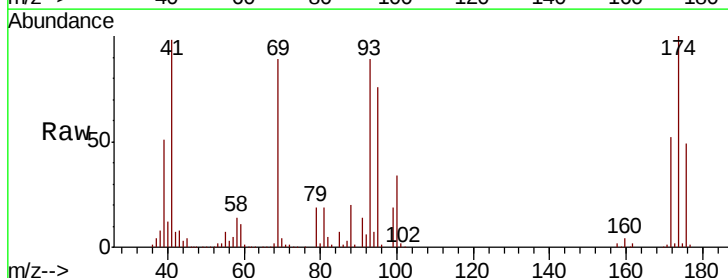
Tgt Ion: 93 Resp: 375725

Ion Ratio Lower Upper

93 100

95 85.3 67.8 101.6

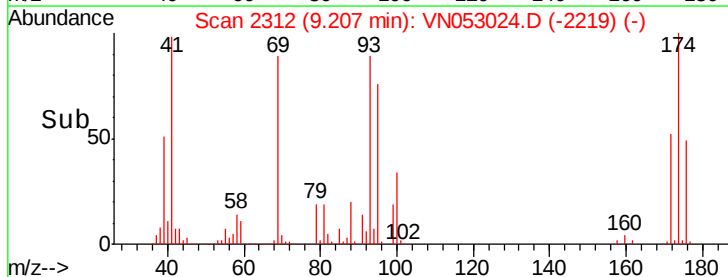
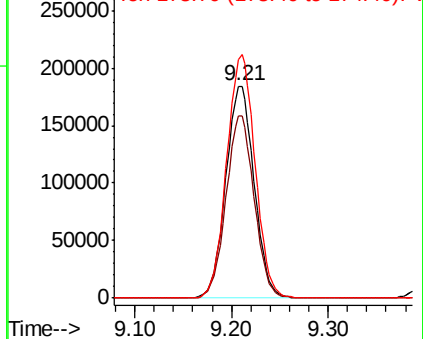
174 115.0 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





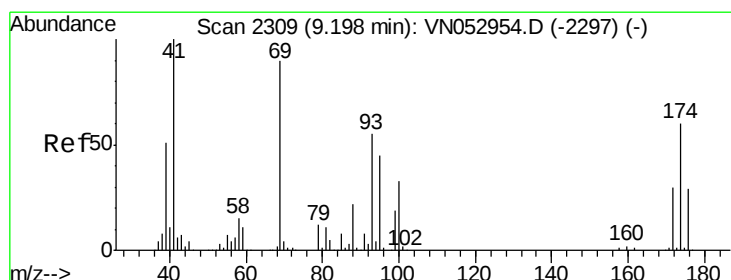
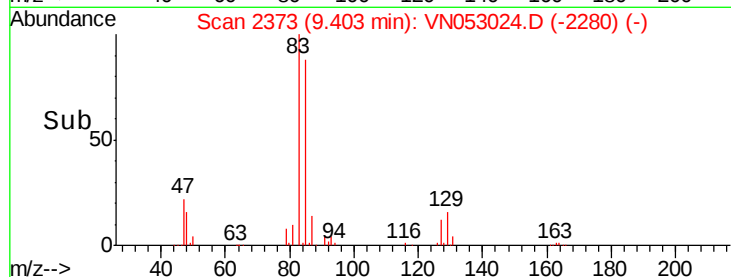
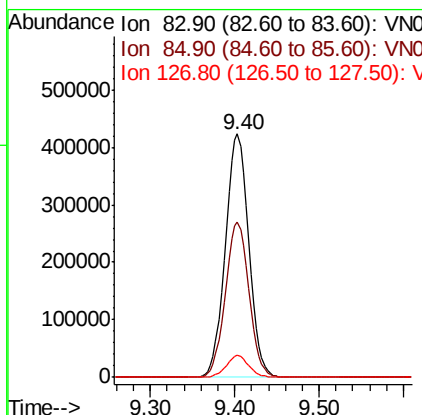
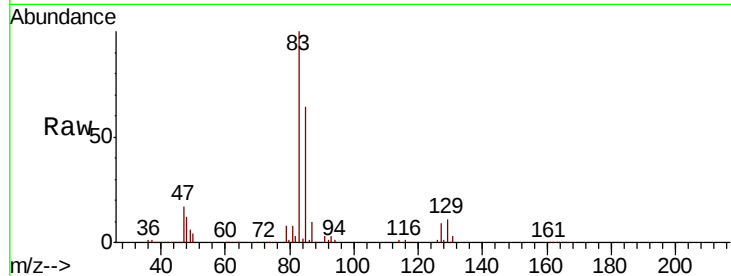
#47
Bromodichloromethane
Concen: 50.676 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	816139
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.6	77.4
127	8.9	7.1	10.7

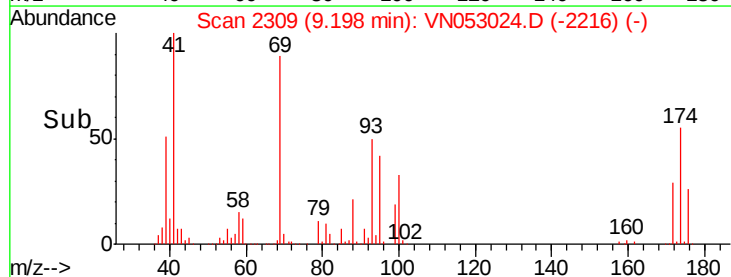
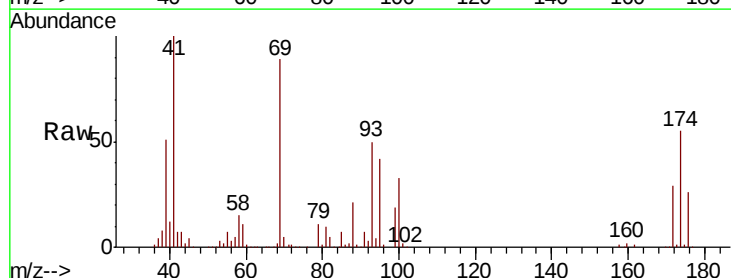
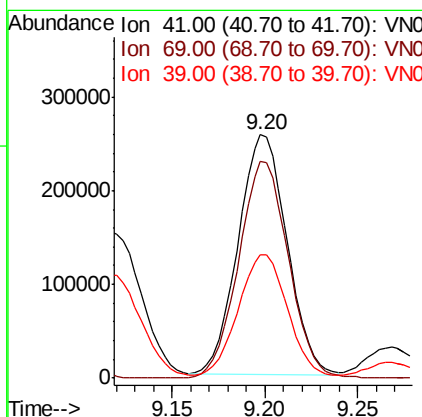
Manual Integrations
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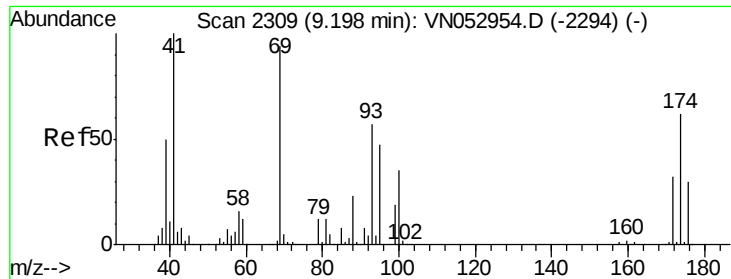
MMDadoda
12/20/2018 9:33:53 AM



#48
Methyl methacrylate
Concen: 51.542 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	41	Resp	468702
Ion Ratio	100	Lower	Upper
41	100		
69	92.1	72.2	108.2
39	52.7	41.9	62.9





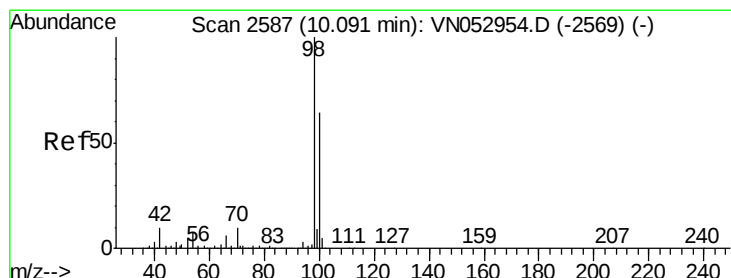
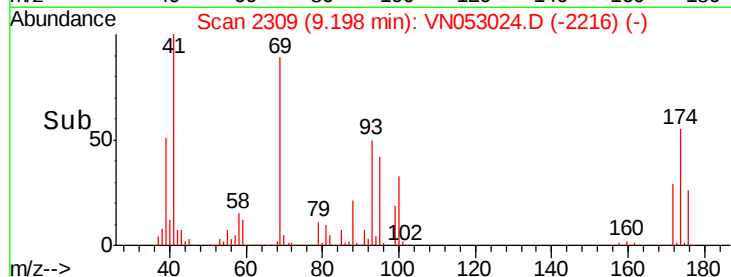
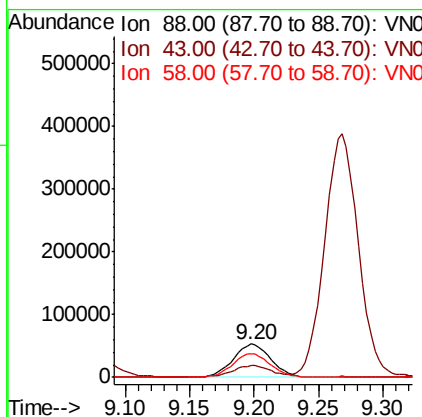
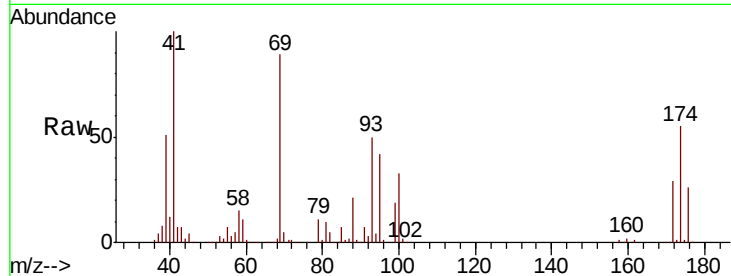
#49
1,4-Dioxane
Concen: 942.032 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	108362
Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	40.0
58	70.7	58.4	87.6

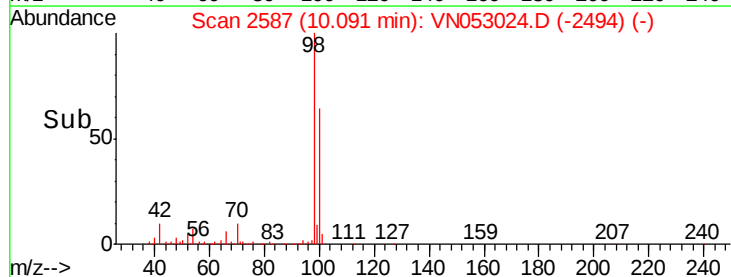
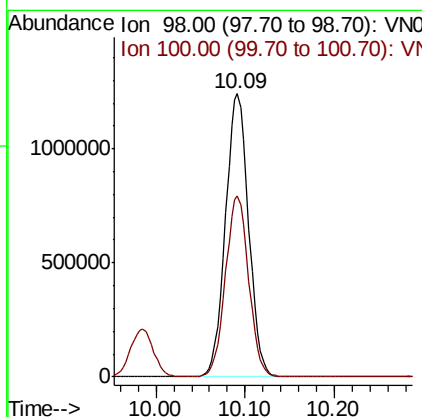
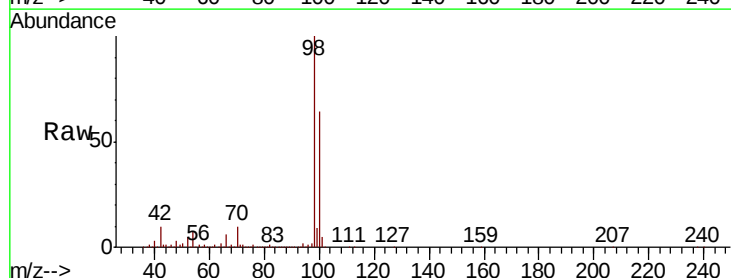
Manual Integrations
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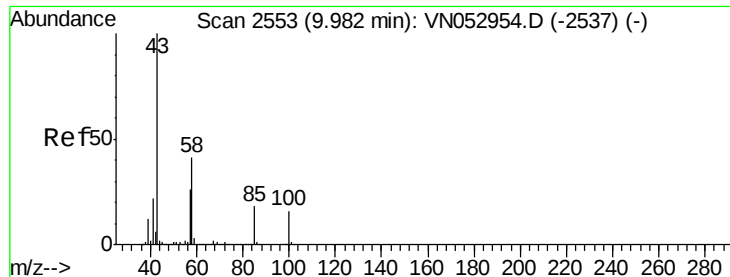
MMDadoda
12/20/2018 9:33:53 AM



#50
Toluene-d8
Concen: 942.032 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	98	Resp	2220678
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 265.950 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2413589

Ion Ratio Lower Upper

43 100

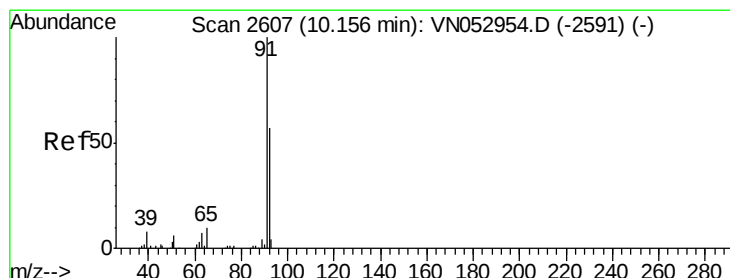
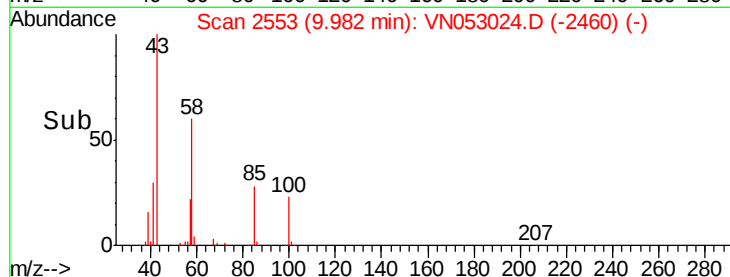
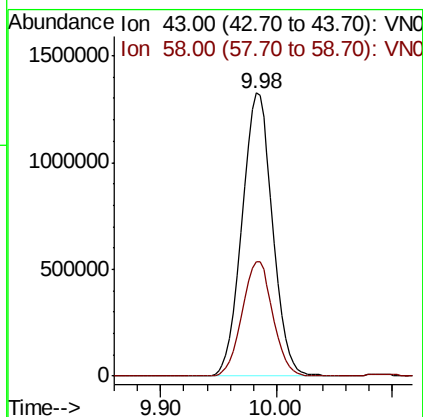
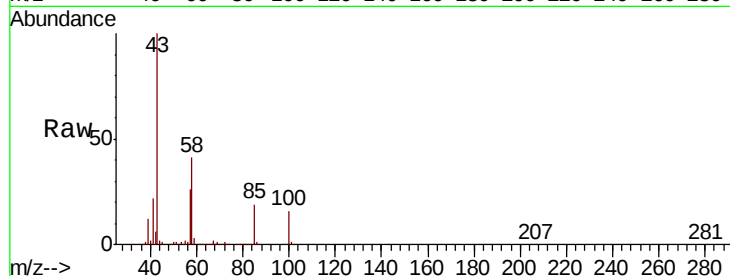
58 40.9 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 49.296 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053024.D

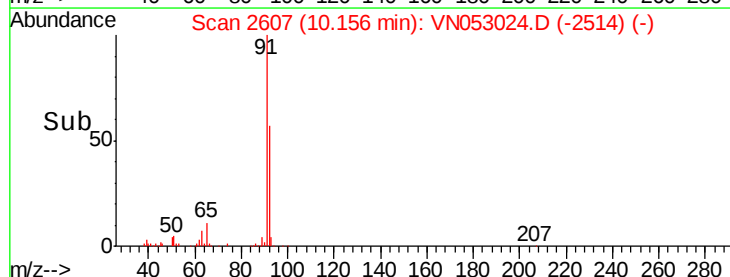
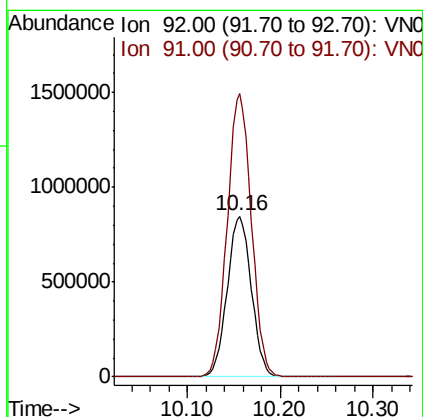
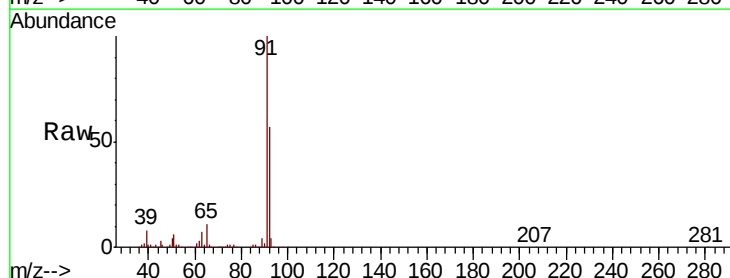
Acq: 19 Dec 2018 21:30

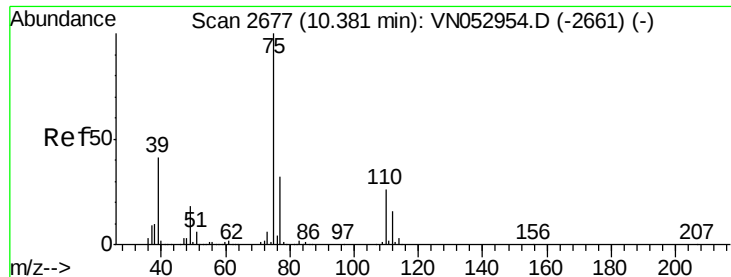
Tgt Ion: 92 Resp: 1525688

Ion Ratio Lower Upper

92 100

91 176.1 139.8 209.6





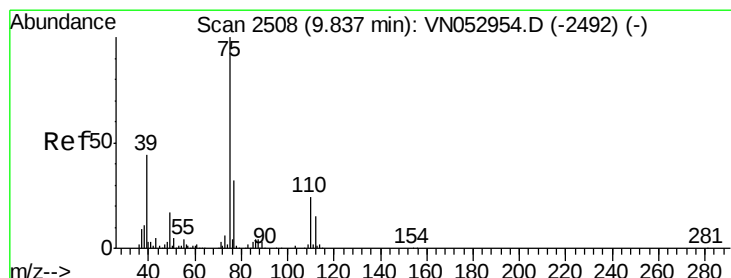
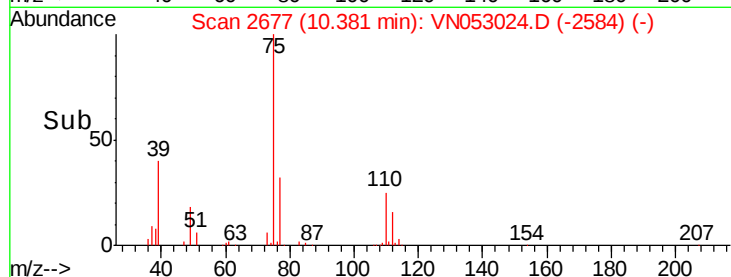
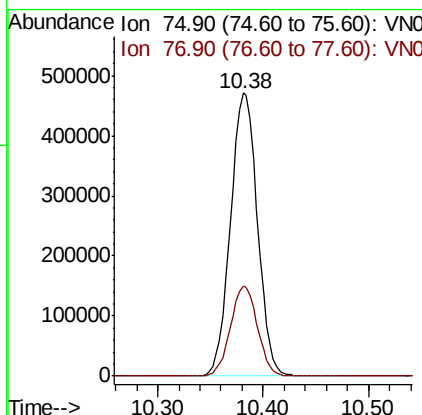
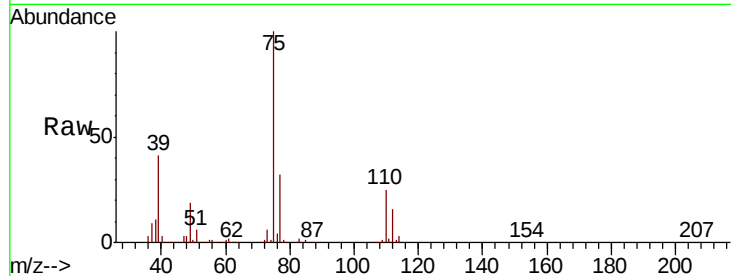
#53
t-1,3-Dichloropropene
Concen: 49.129 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4

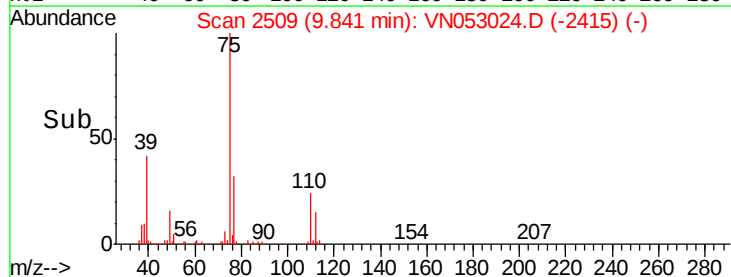
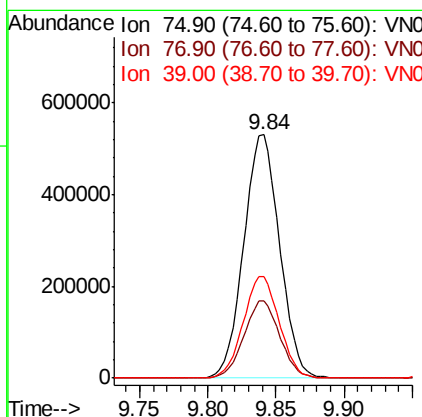
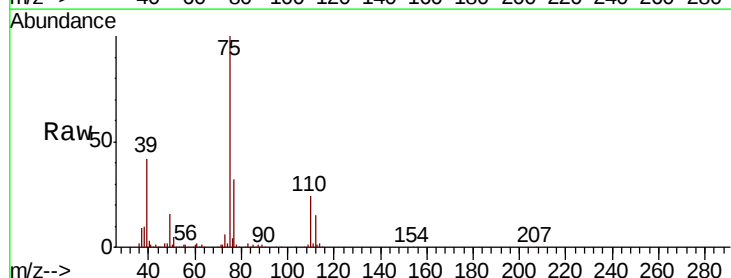
Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:33:53 AM



#54
cis-1,3-Dichloropropene
Concen: 49.916 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	41.7	34.8	52.2





#55

1,1,2-Trichloroethane

Concen: 51.119 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

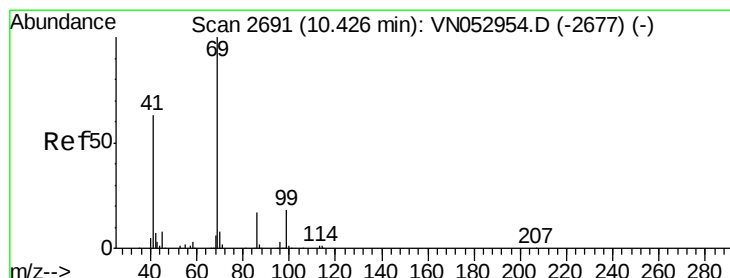
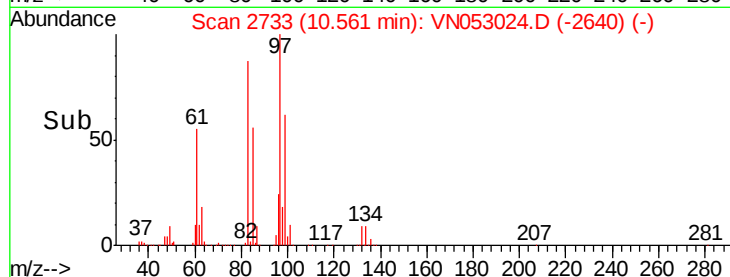
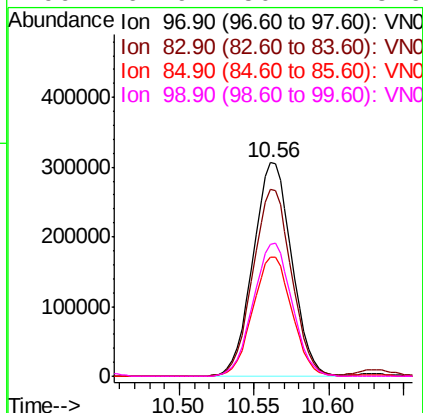
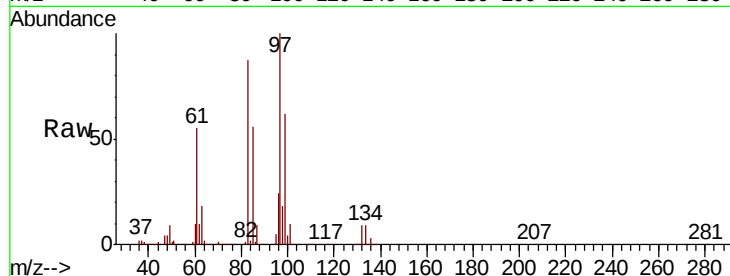
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	551945
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.9	106.3
85	56.0	45.4	68.2
99	61.9	50.4	75.6

Manual Integrations
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MMDadoda
12/20/2018 9:33:53 AM



#56

Ethyl methacrylate

Concen: 52.015 ug/l

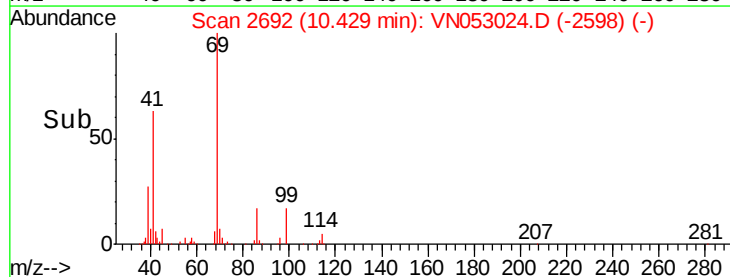
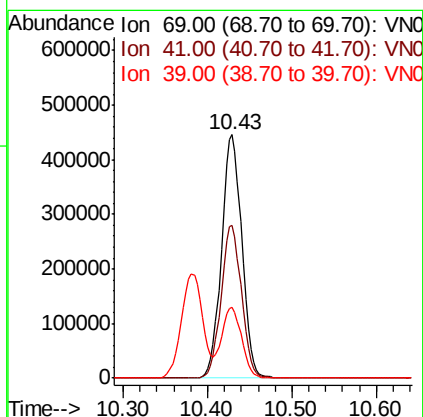
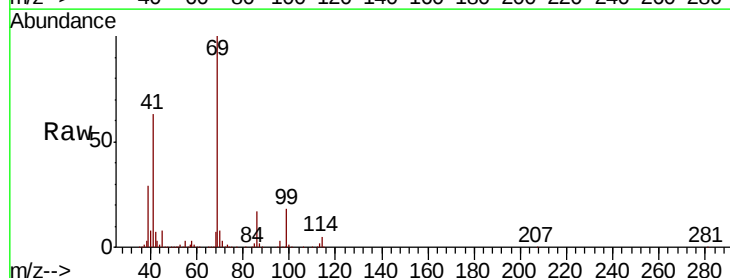
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Tgt Ion:	69	Resp:	743356
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.7	77.5
39	28.8	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.149 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 947051

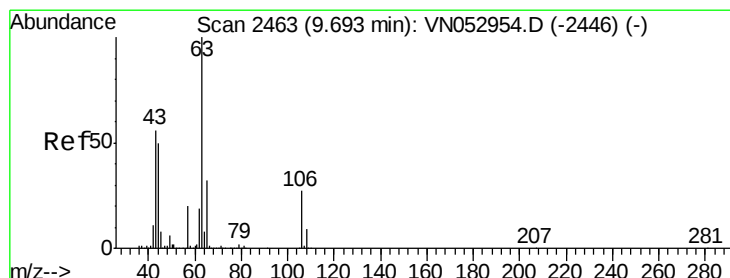
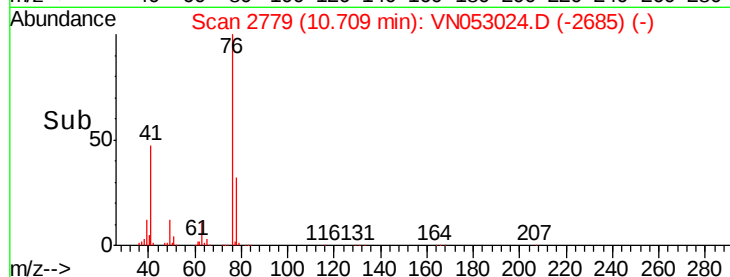
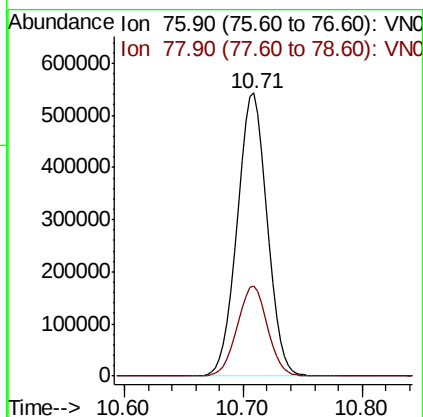
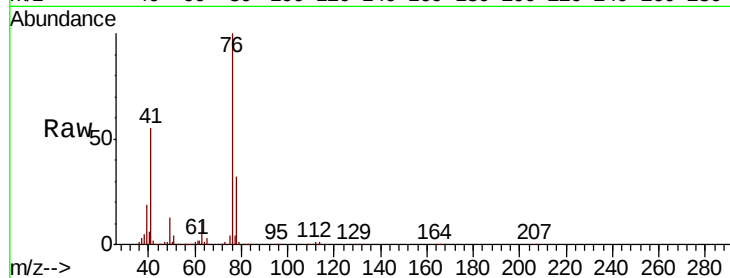
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:33:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 263.022 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053024.D

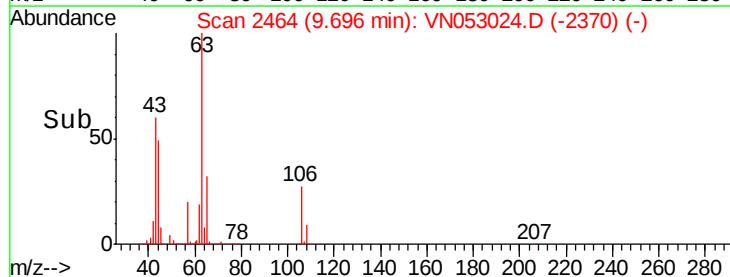
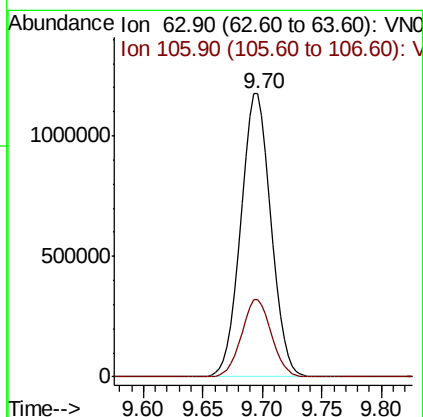
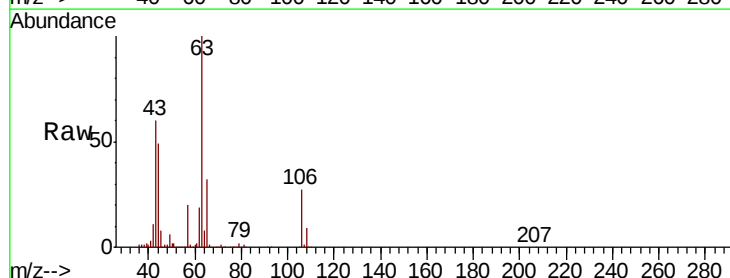
Acq: 19 Dec 2018 21:30

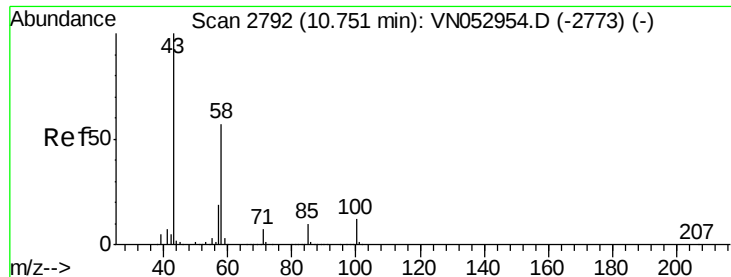
Tgt Ion: 63 Resp: 2063629

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6





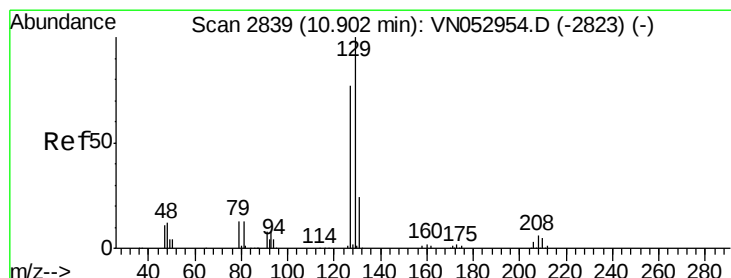
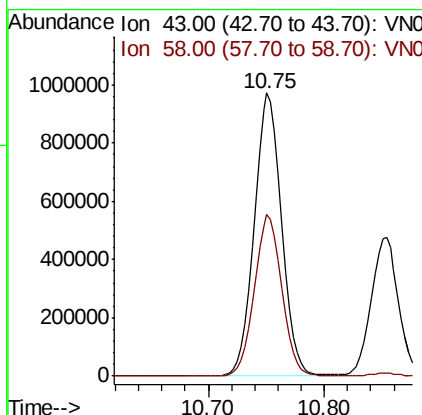
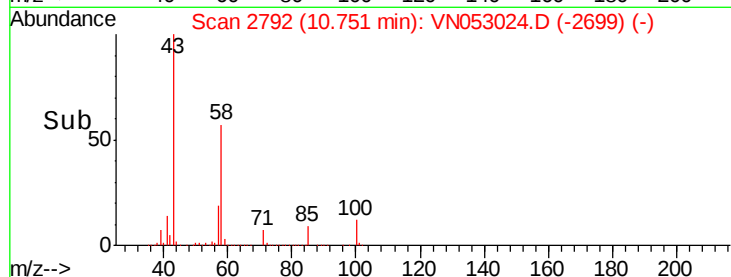
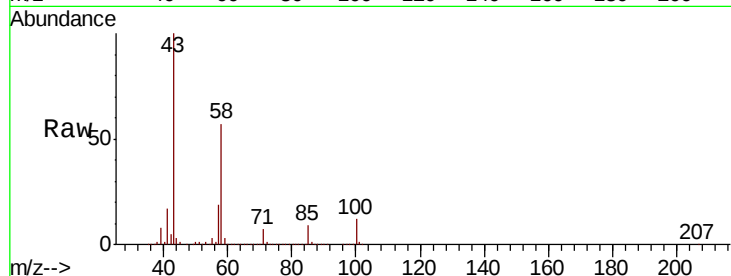
#59
2-Hexanone
Concen: 260.947 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1602268
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3

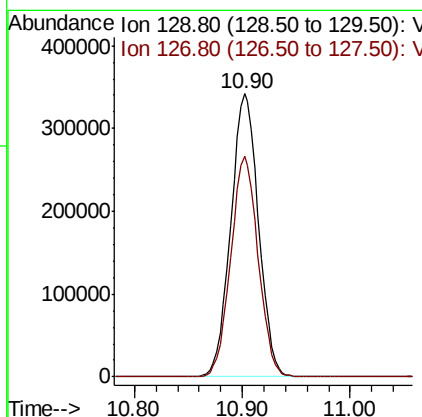
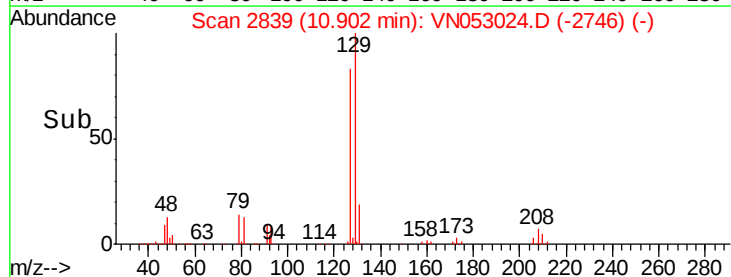
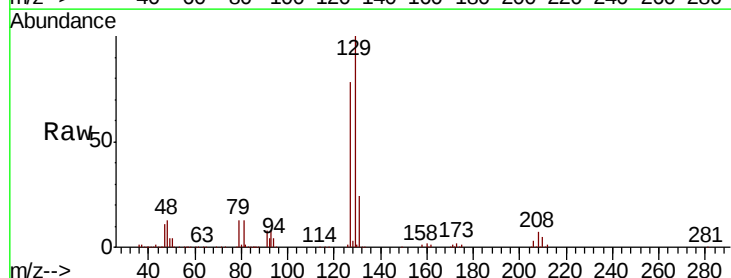
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#60
Dibromochloromethane
Concen: 49.549 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 129 Resp: 612389
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





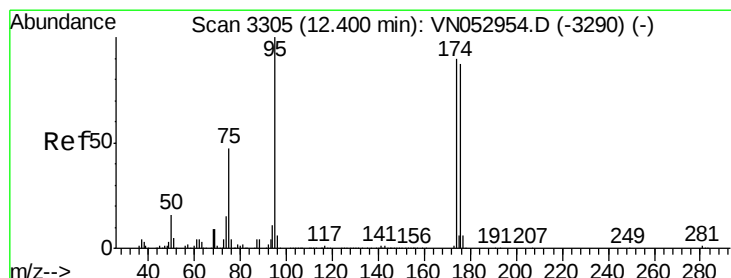
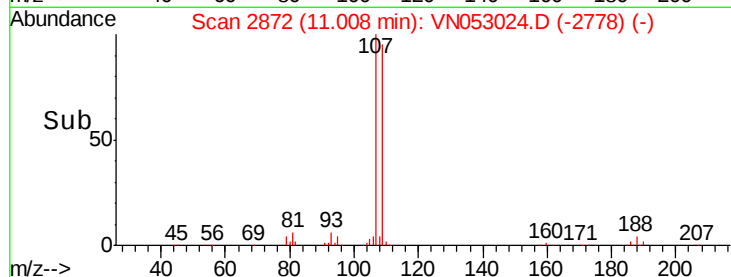
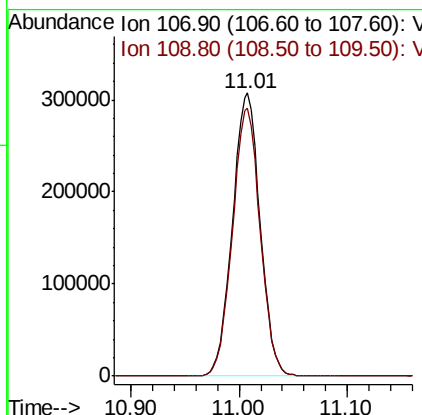
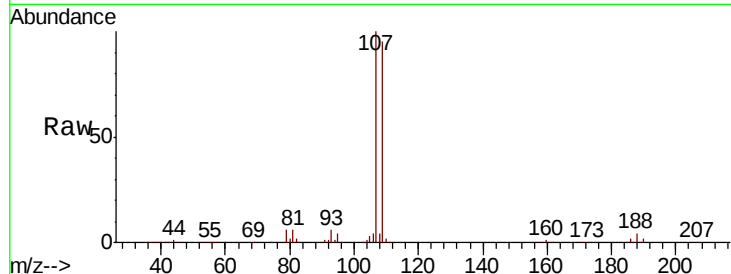
#61
 1,2-Dibromoethane
 Concen: 50.127 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.0

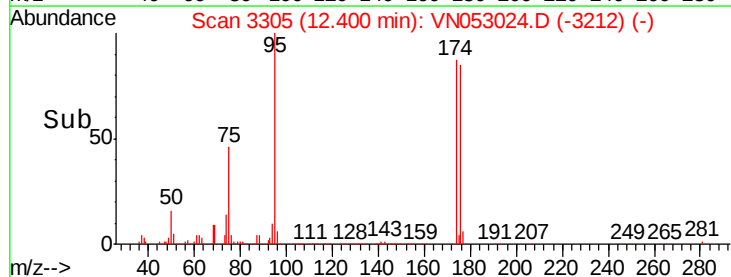
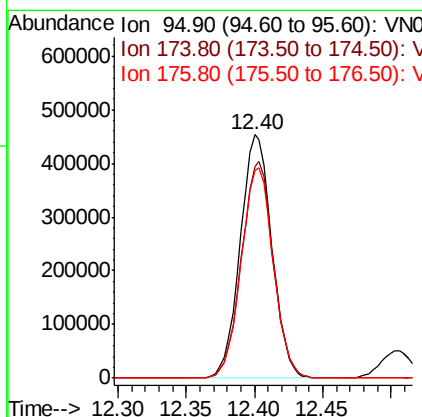
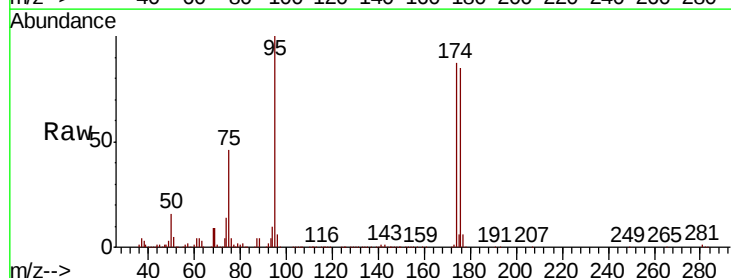
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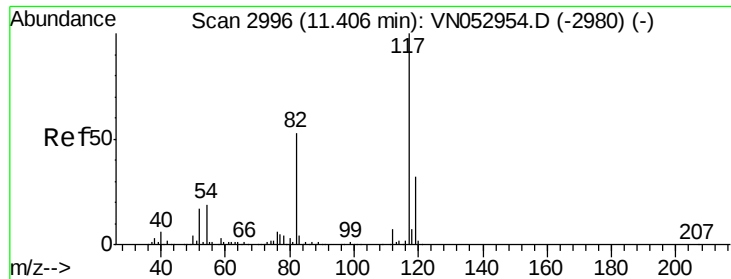
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#62
 4-Bromofluorobenzene
 Concen: 50.127 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	178.8
176	87.2	0.0	173.8





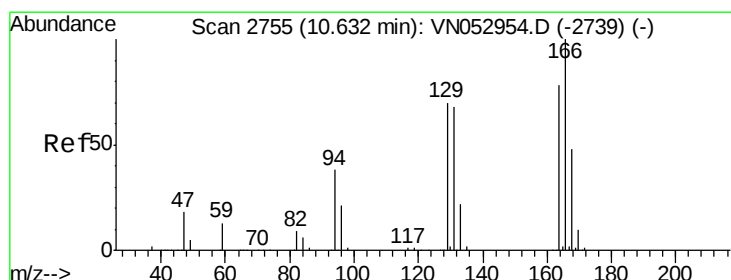
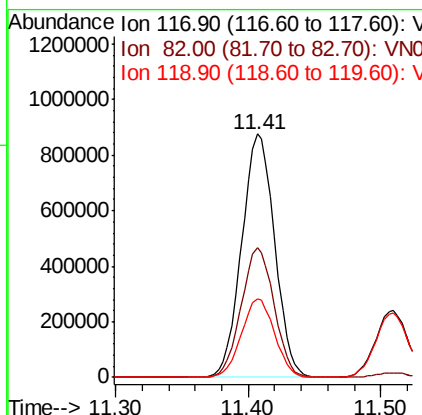
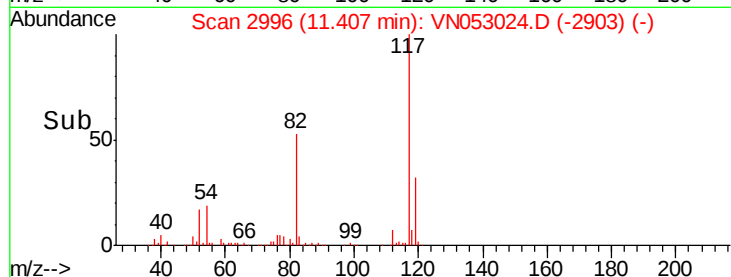
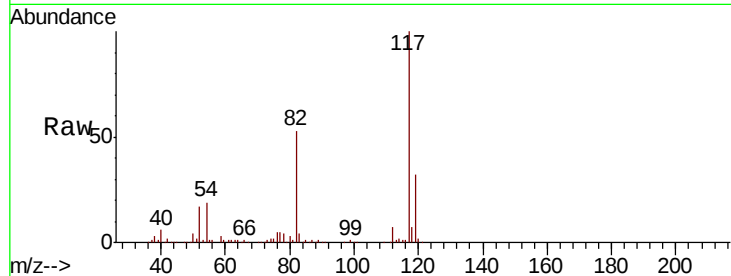
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1511632
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.4 25.5 38.3

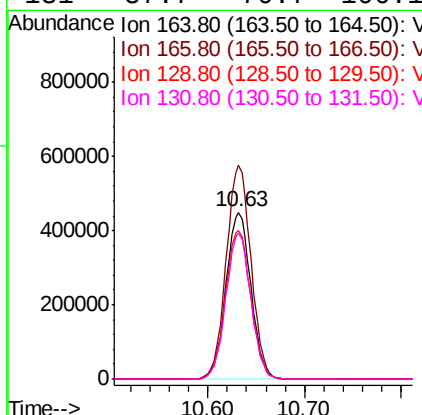
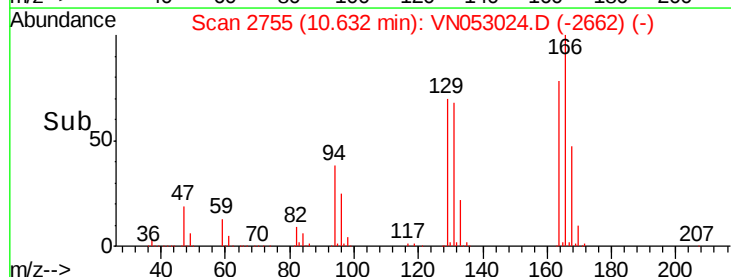
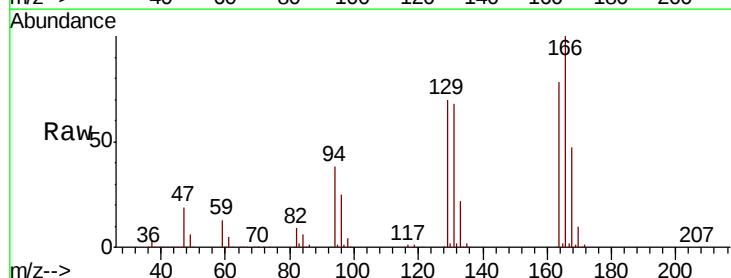
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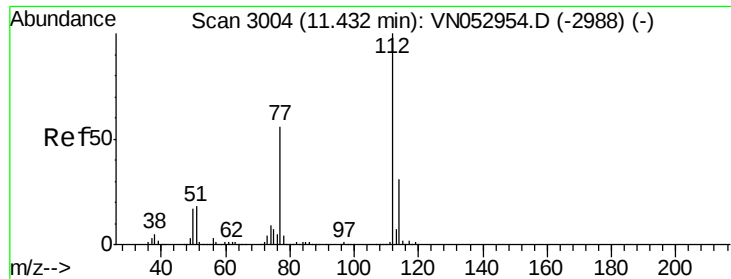
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#64
Tetrachloroethene
Concen: 48.771 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:164 Resp: 798586
Ion Ratio Lower Upper
164 100
166 128.2 102.9 154.3
129 89.5 73.7 110.5
131 87.7 70.7 106.1





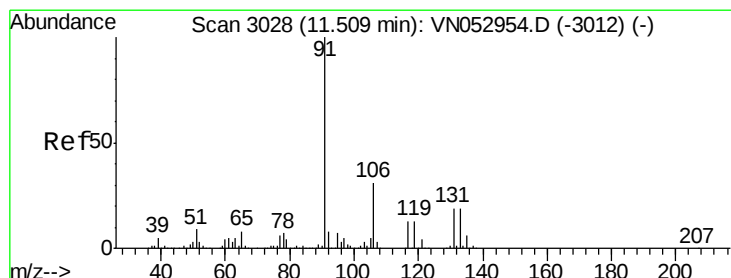
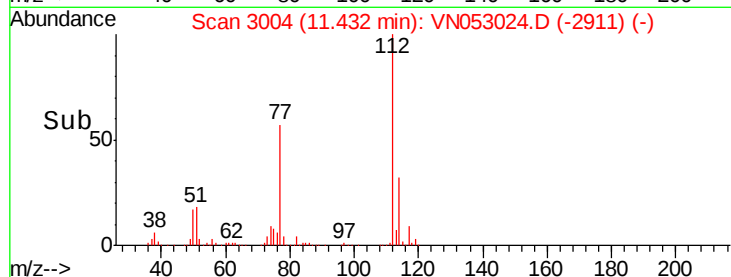
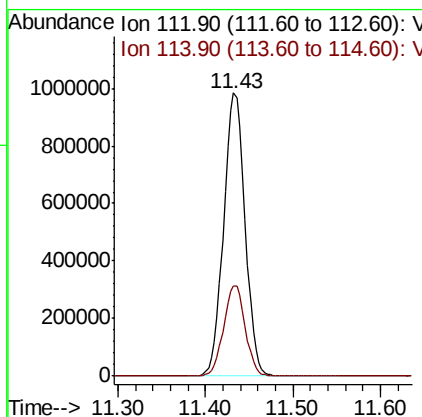
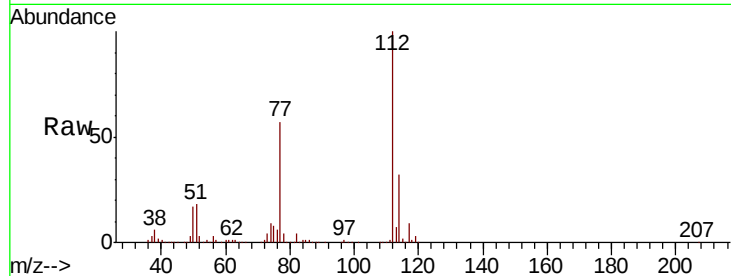
#65
Chlorobenzene
Concen: 49.778 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1667989
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

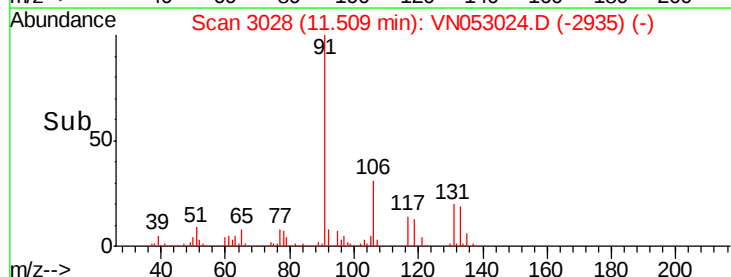
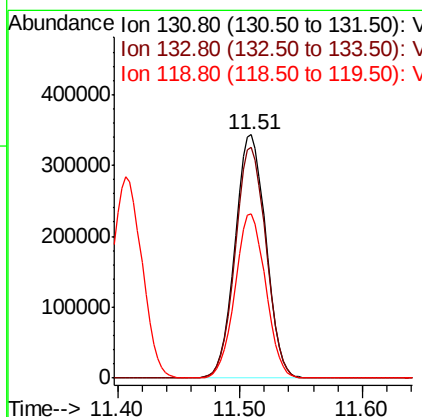
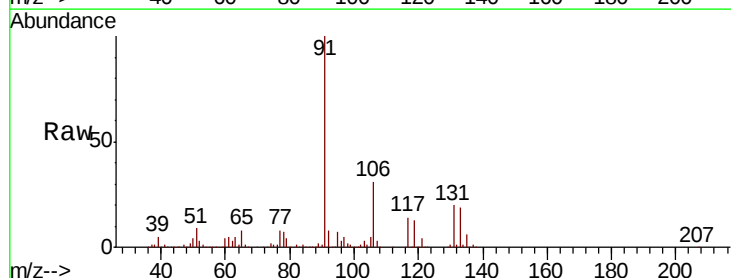
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.448 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:131 Resp: 599497
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.9 33.3 99.8





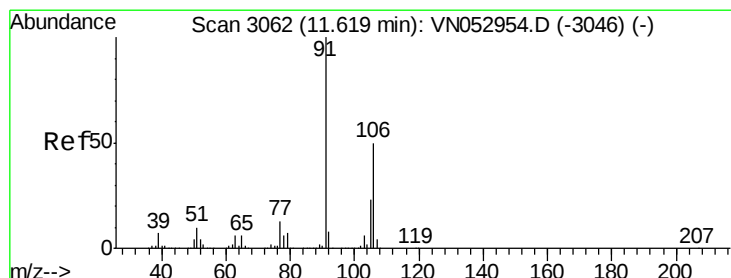
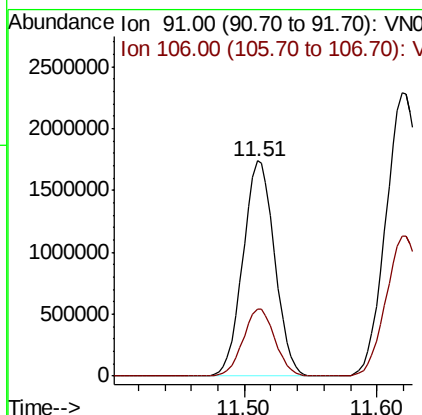
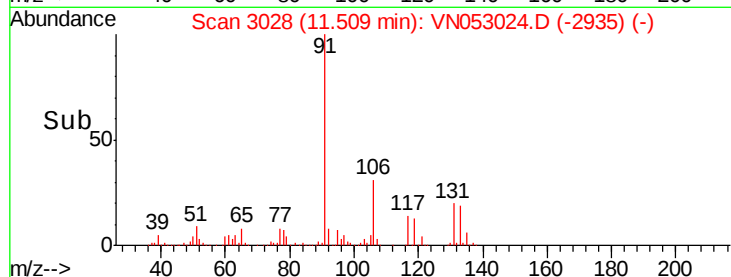
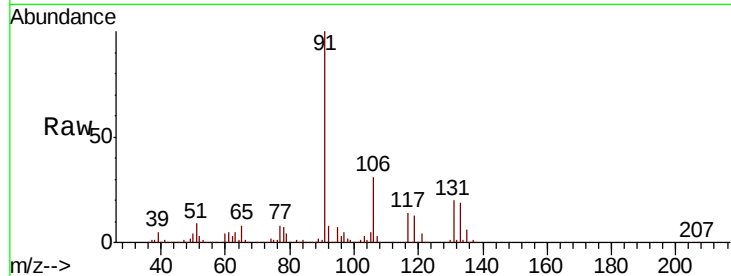
#67
Ethyl Benzene
Concen: 49.967 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2879375
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

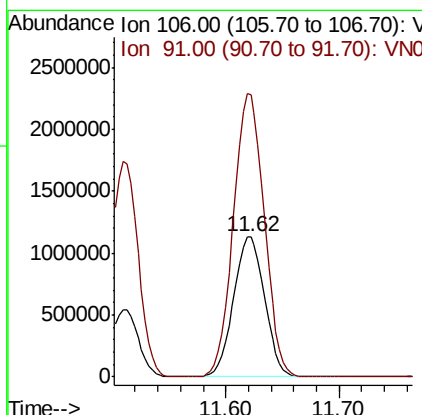
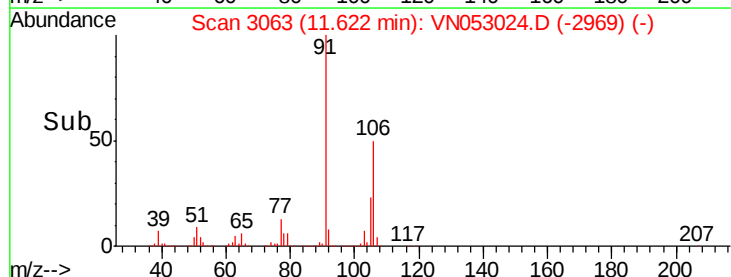
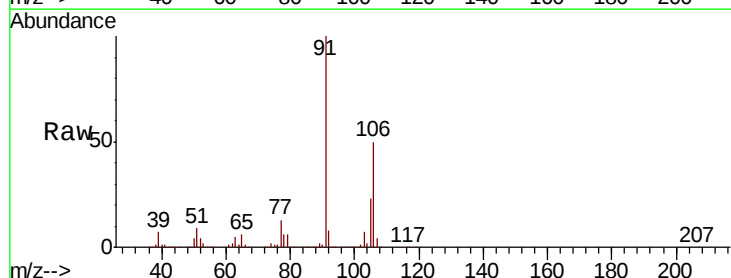
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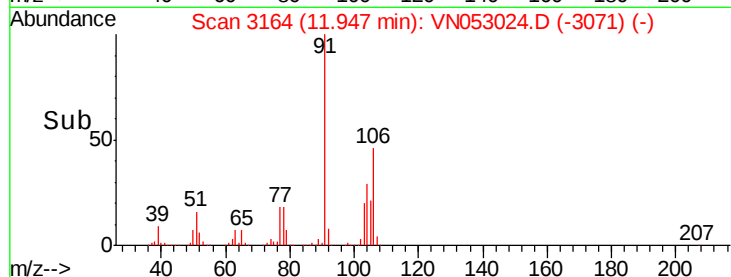
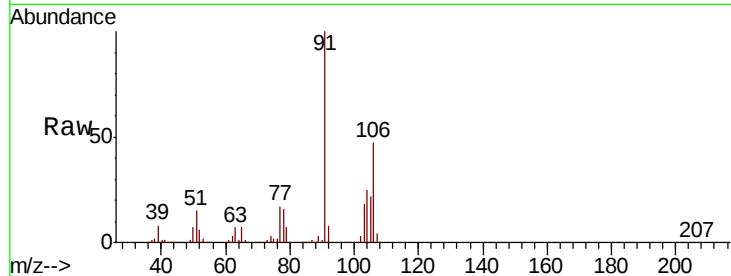
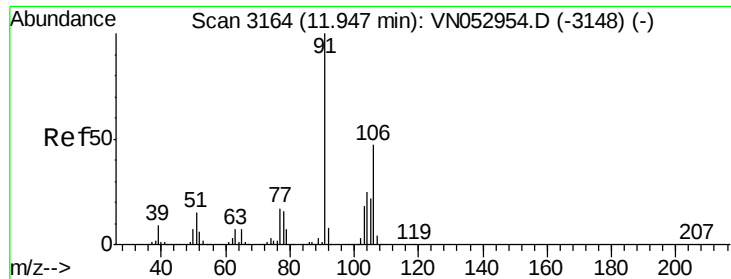
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#68
m/p-Xylenes
Concen: 98.475 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 106 Resp: 2157283
Ion Ratio Lower Upper
106 100
91 201.5 162.2 243.4





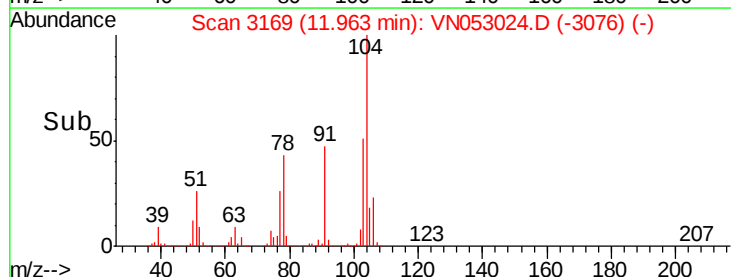
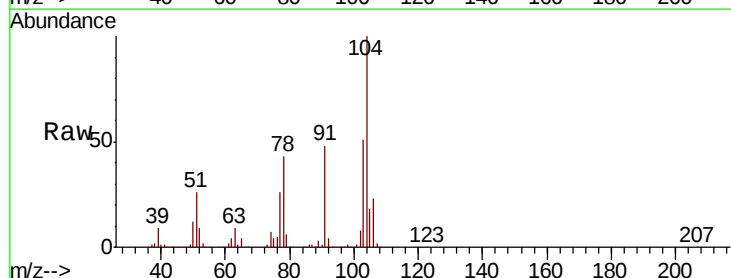
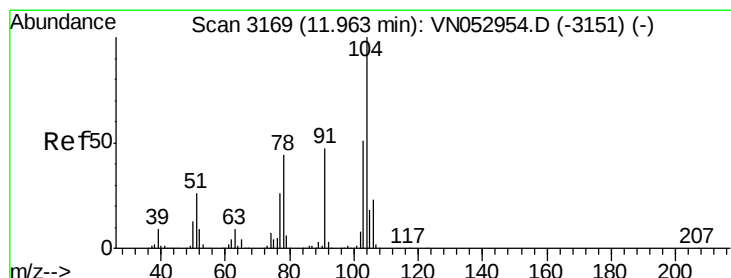
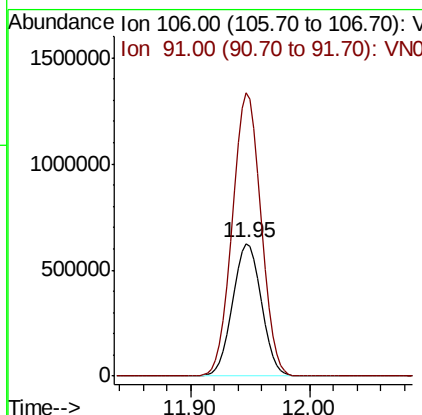
#69
o-Xylene
Concen: 49.876 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1048464
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8

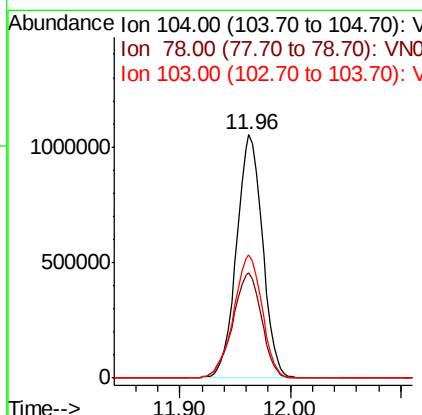
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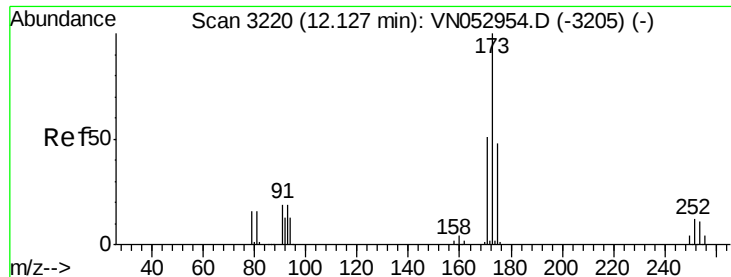
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#70
Styrene
Concen: 50.022 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion:104 Resp: 1714659
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.5 44.3 66.5





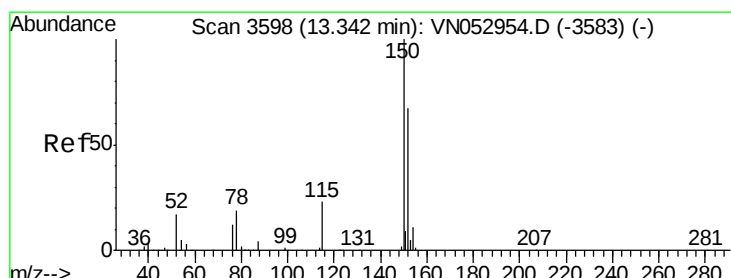
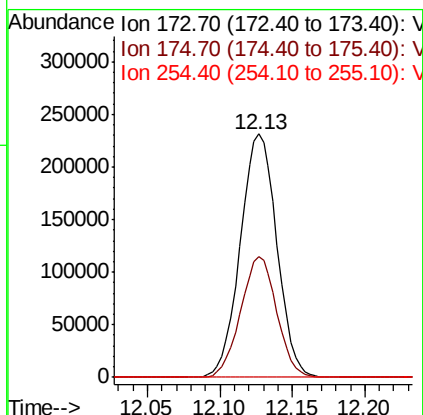
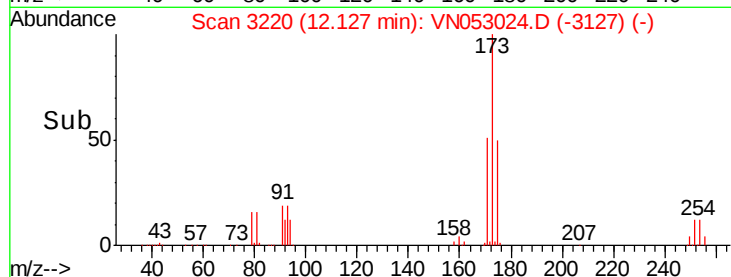
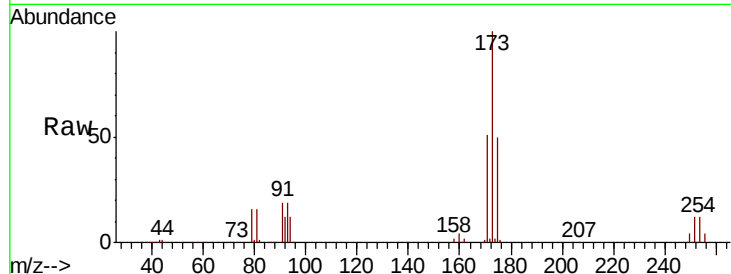
#71
Bromoform
Concen: 48.086 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.1	0.1	0.1

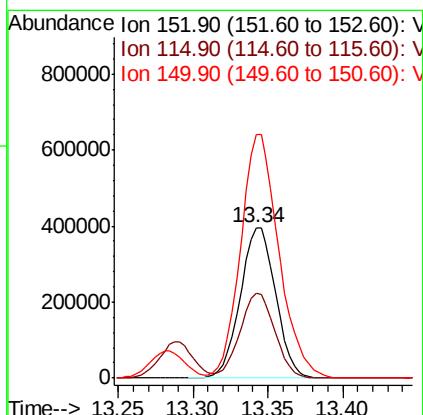
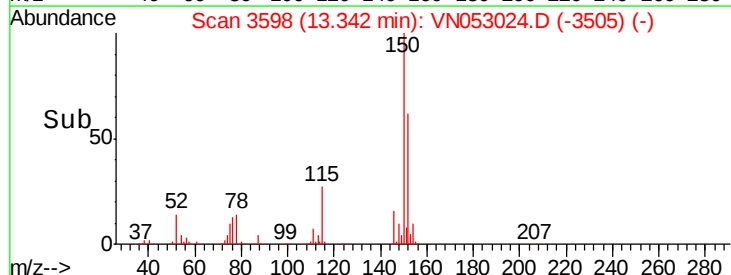
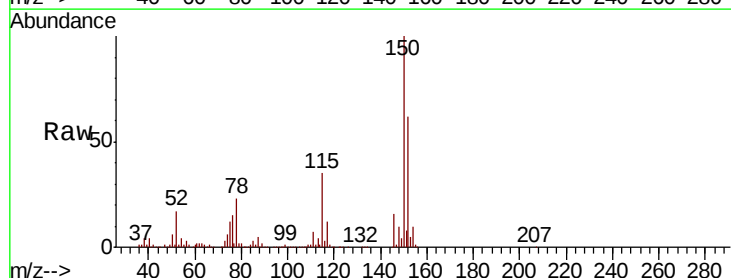
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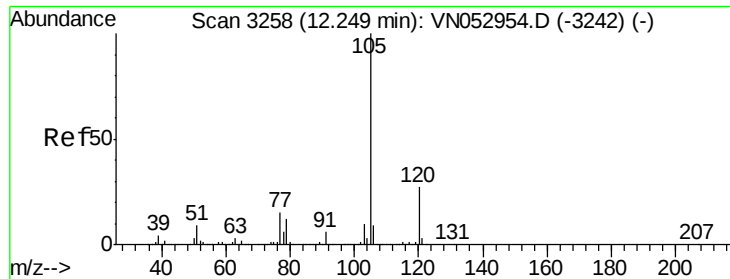
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.3	85.0
150	174.9	0.0	347.8





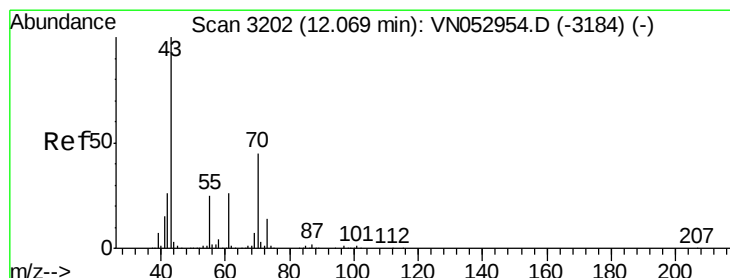
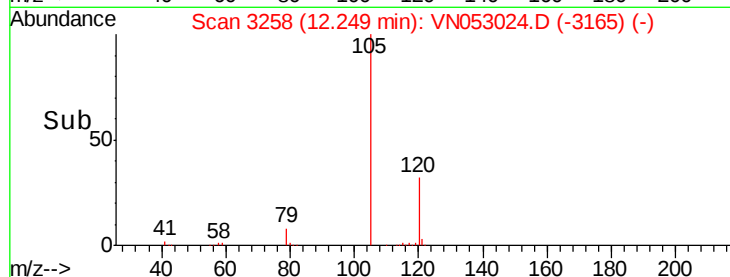
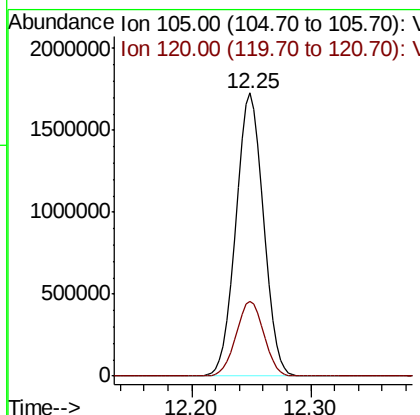
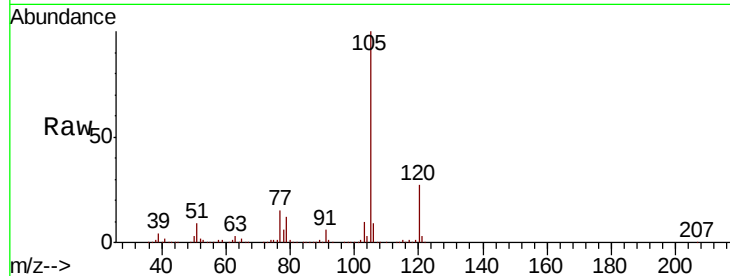
#73
Isopropylbenzene
Concen: 54.389 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2768757
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

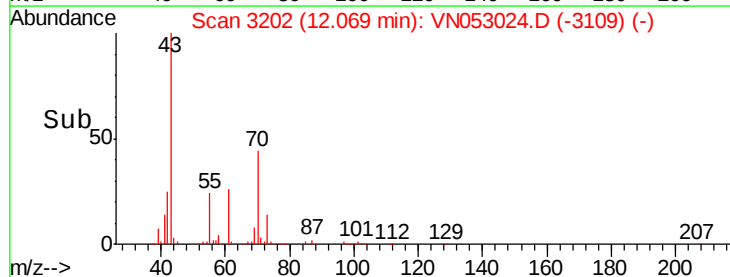
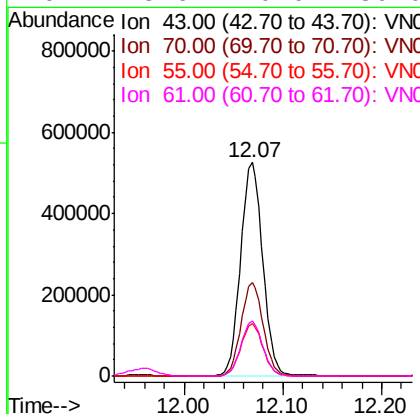
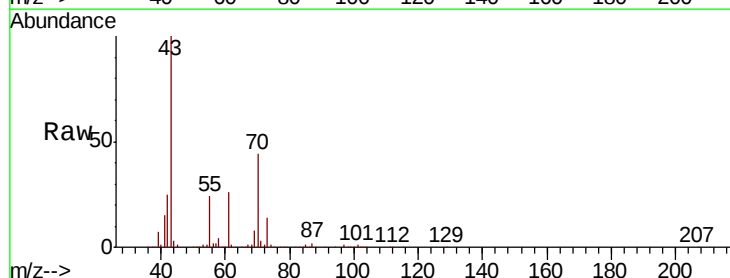
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#74
N-ethyl acetate
Concen: 57.500 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion: 43 Resp: 812679
Ion Ratio Lower Upper
43 100
70 43.9 34.2 51.4
55 24.6 20.3 30.5
61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.555 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 564815
Ion Ratio Lower Upper

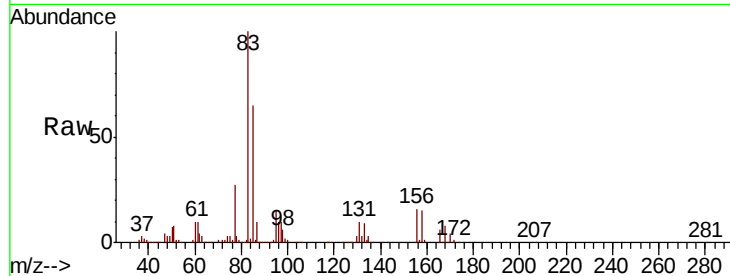
83 100

131 10.7 5.2 15.6

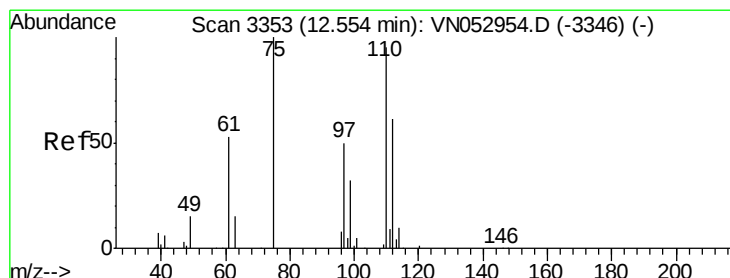
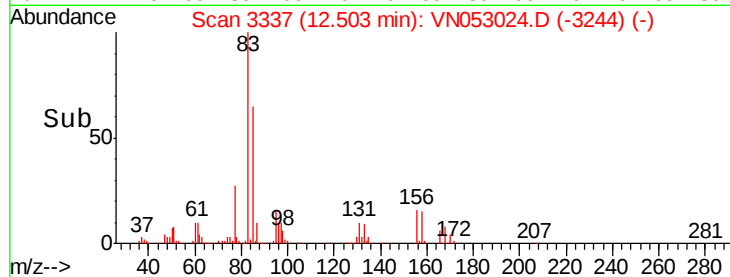
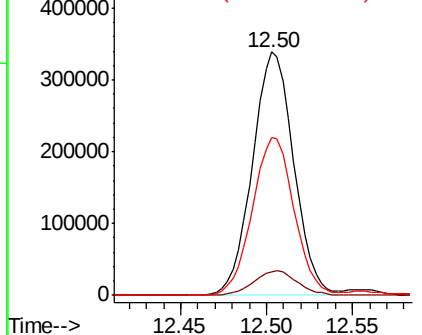
85 65.4 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.283 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

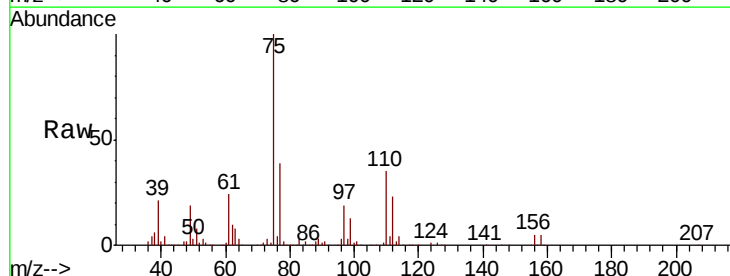
Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

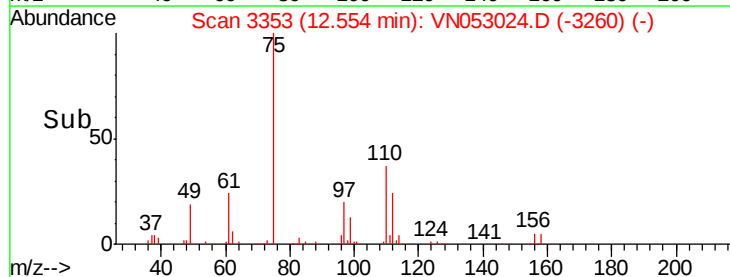
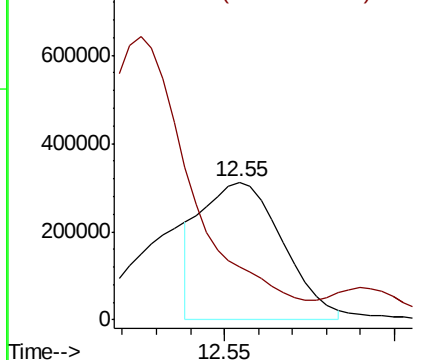
Tgt Ion: 75 Resp: 517884
Ion Ratio Lower Upper

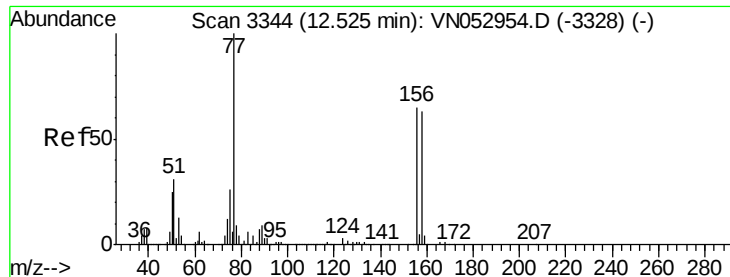
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 53.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

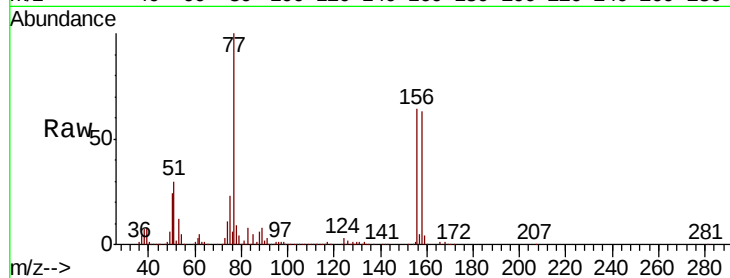
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	704046
Ion Ratio	Lower	Upper	
156	100		
77	179.0	91.3	273.8
158	97.7	49.0	147.2

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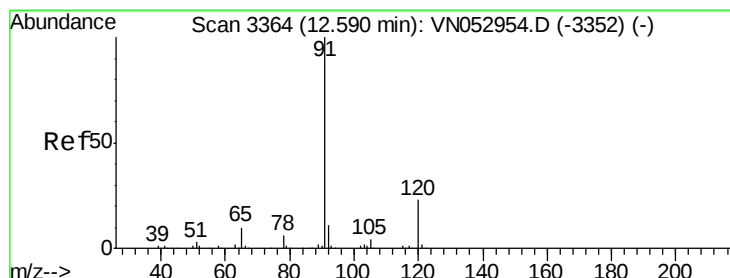
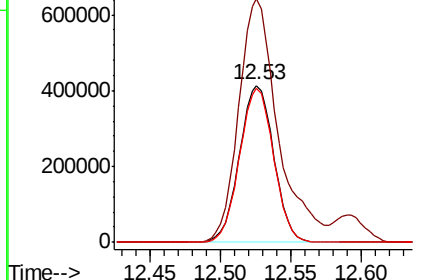
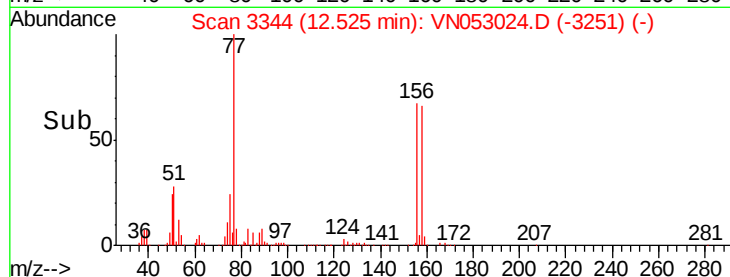
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.032 ug/l

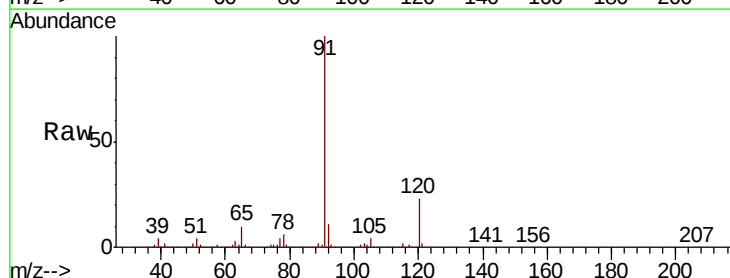
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053024.D

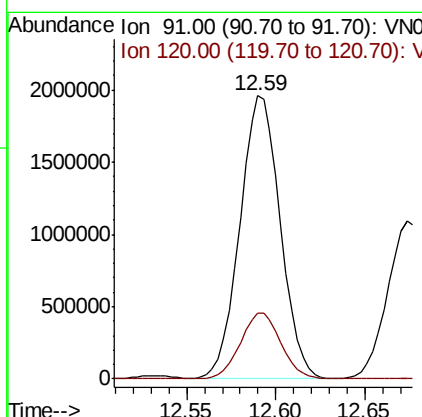
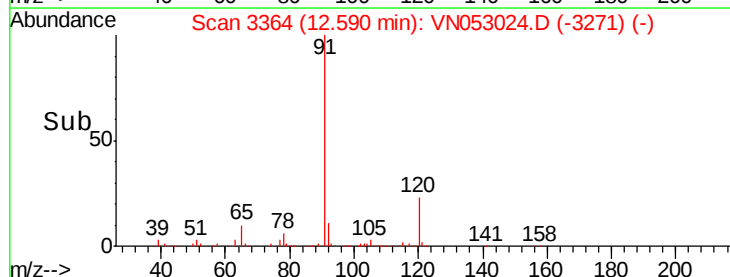
Acq: 19 Dec 2018 21:30

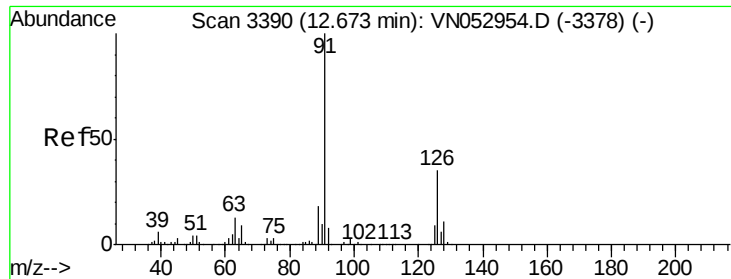
Tgt Ion:	91	Resp:	3074700
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.214 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053024.D

Acq: 19 Dec 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1804570

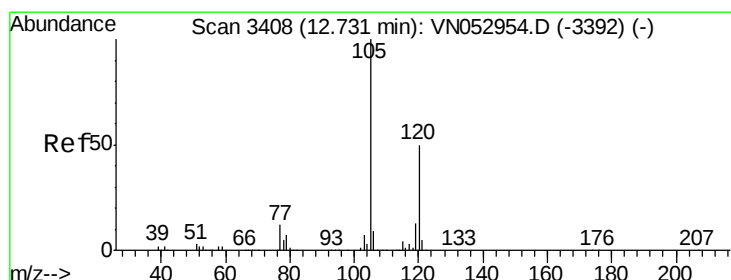
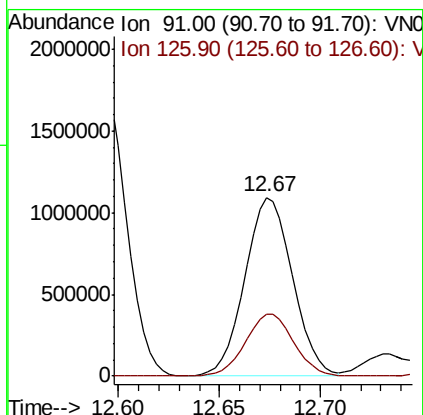
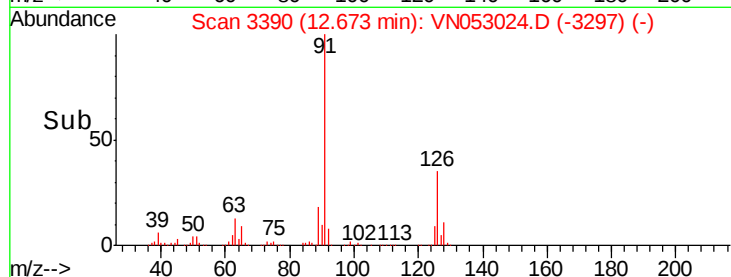
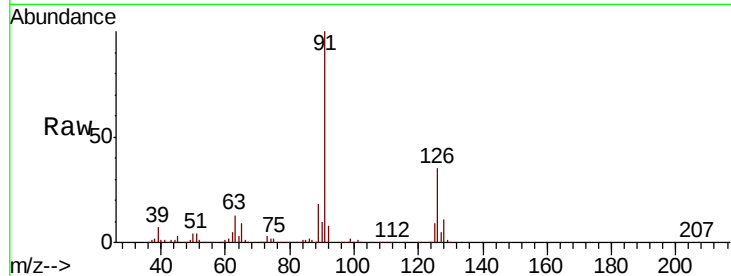
Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.884 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053024.D

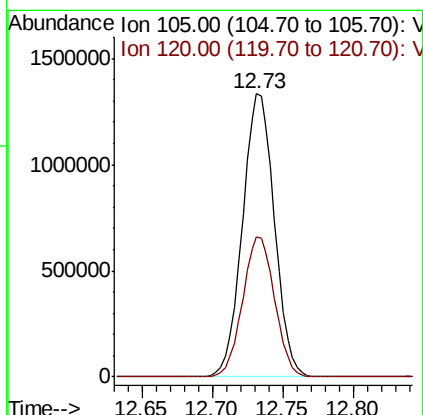
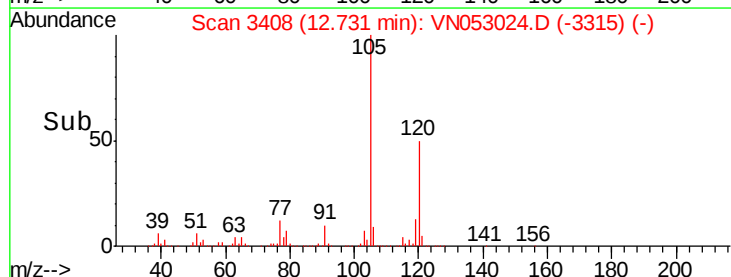
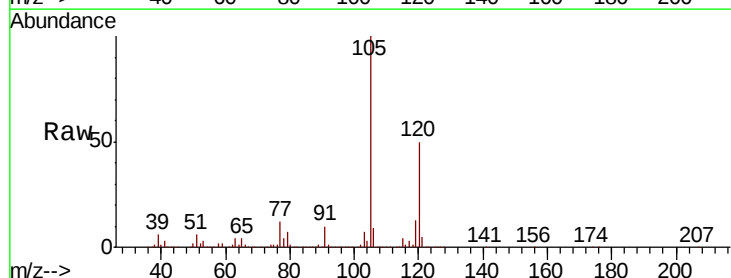
Acq: 19 Dec 2018 21:30

Tgt Ion: 105 Resp: 2111337

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.2





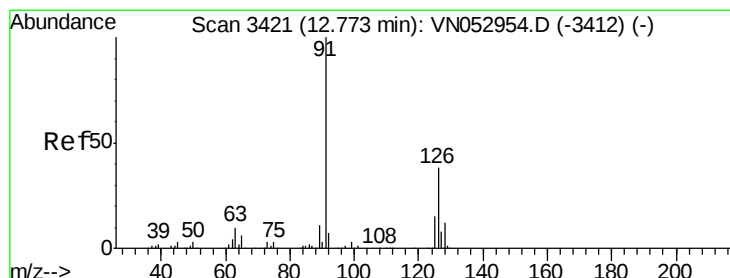
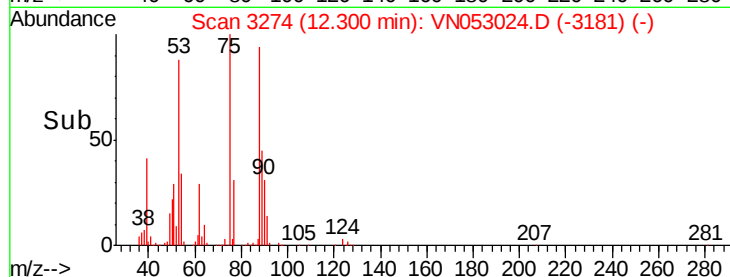
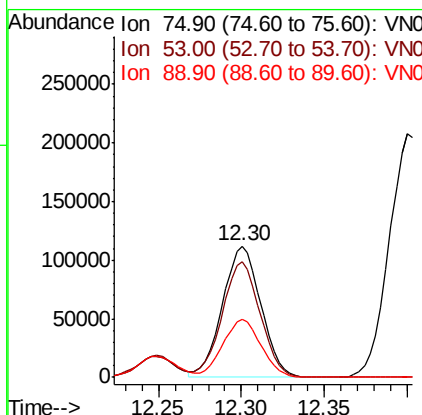
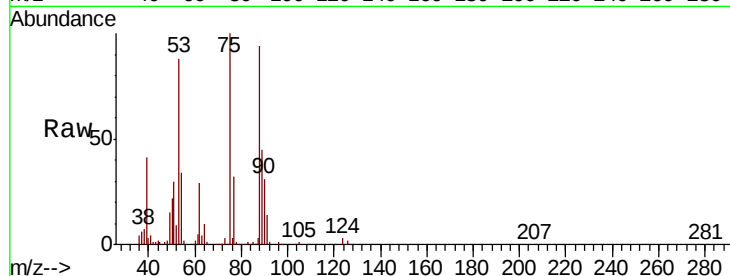
#81
trans-1,4-Dichloro-2-butene
Concen: 52.732 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	74.7	112.1
89	44.5	36.1	54.1

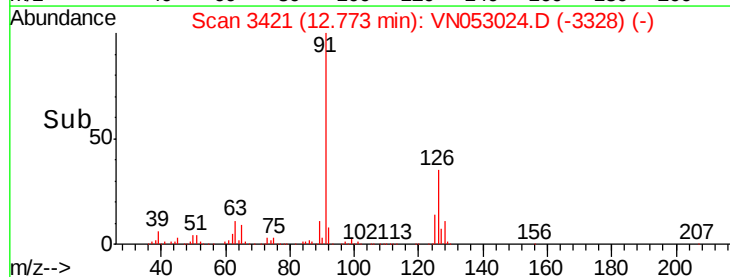
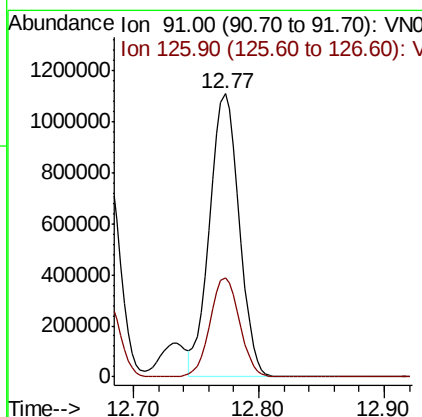
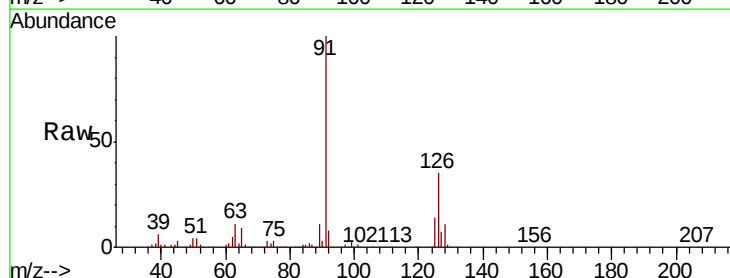
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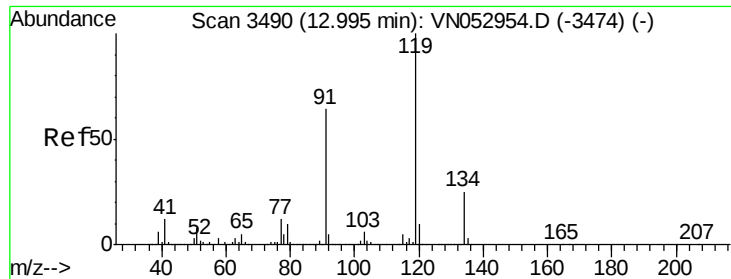
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#82
4-Chlorotoluene
Concen: 51.467 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





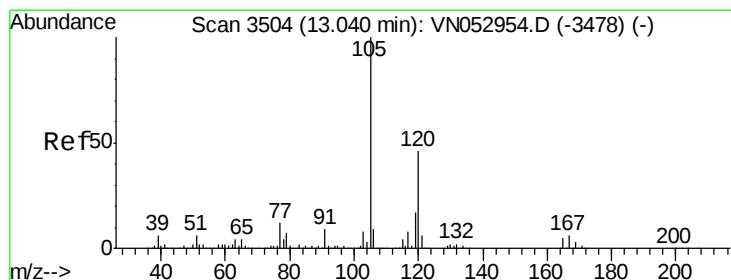
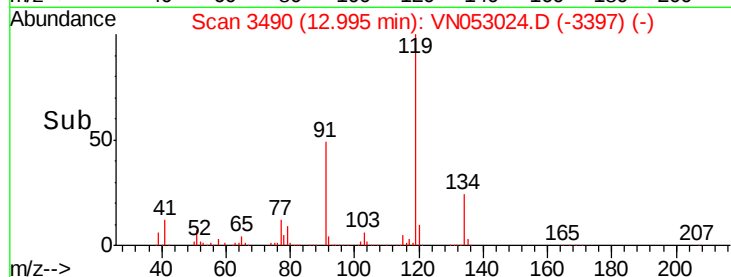
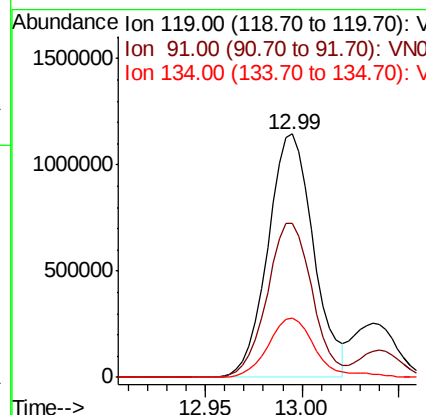
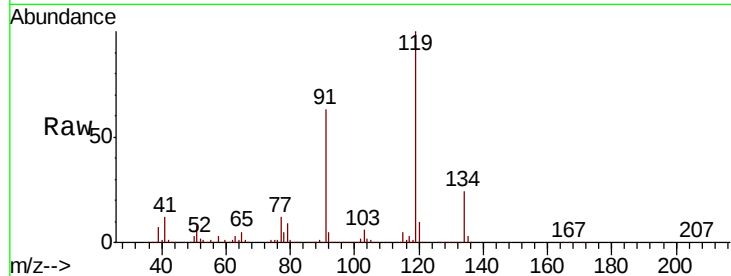
#83
 tert-Butylbenzene
 Concen: 51.216 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.9	95.5
134	25.4	12.8	38.4

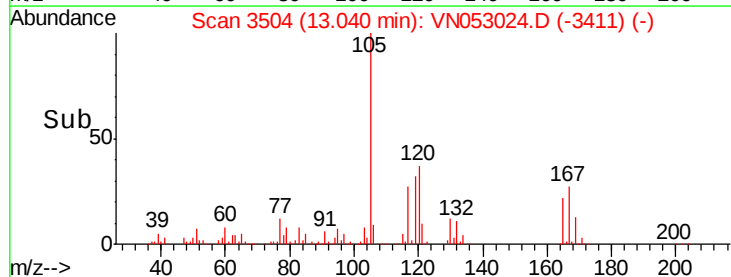
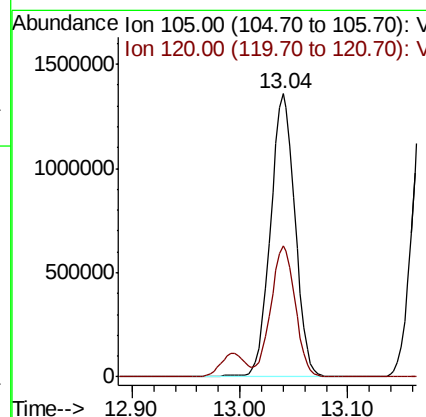
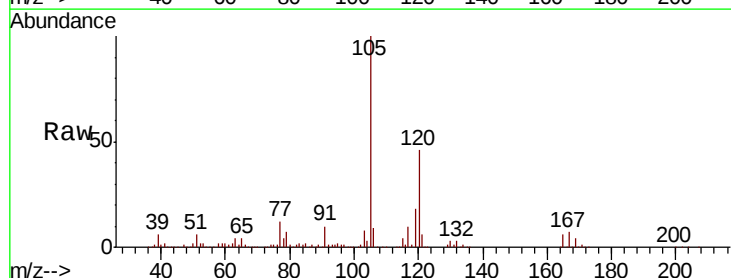
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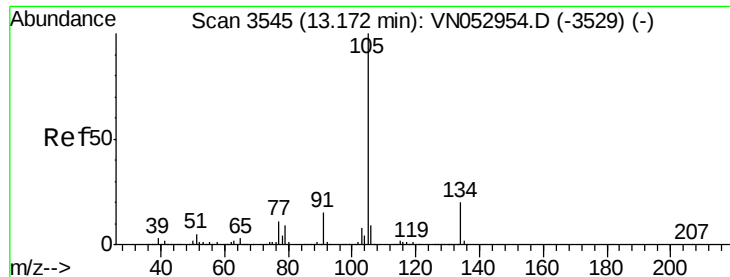
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.277 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.8





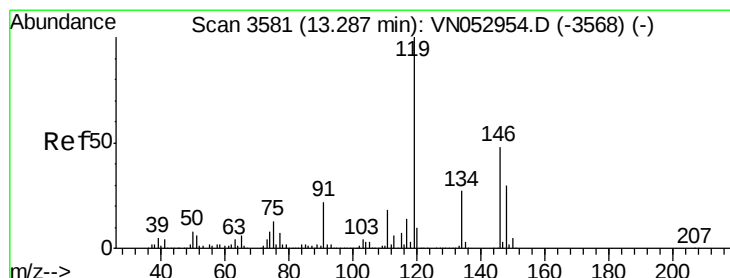
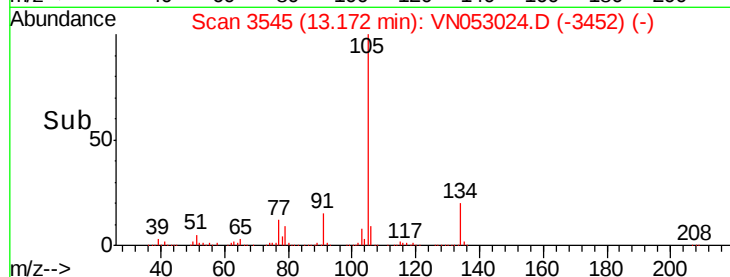
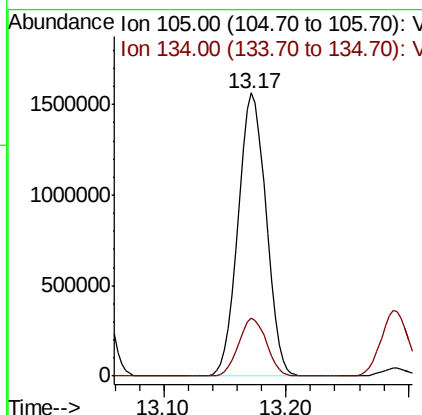
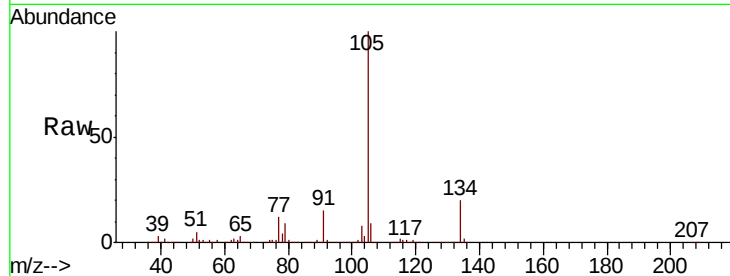
#85
 sec-Butylbenzene
 Concen: 49.823 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2473025
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3

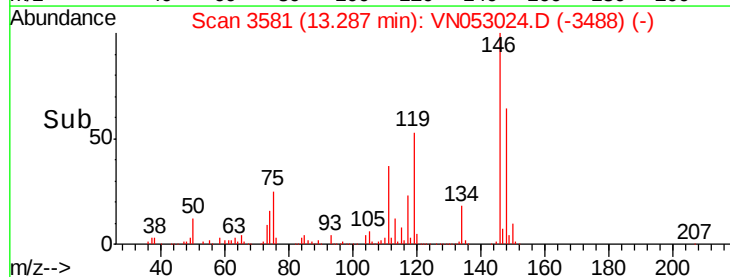
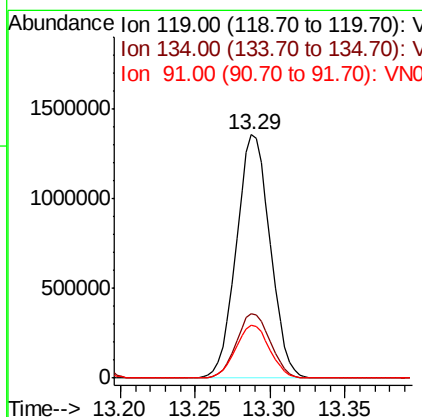
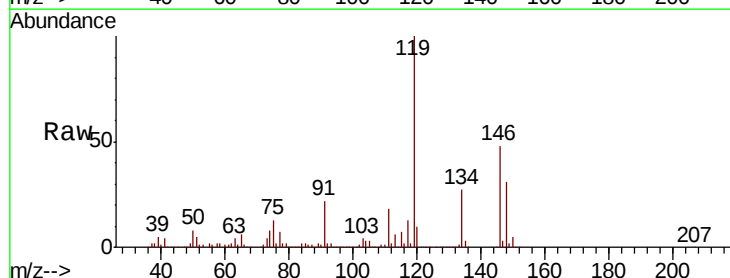
Manual Integrations
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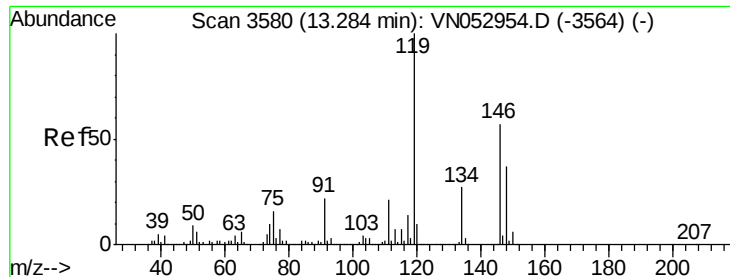
MMDadoda
 12/20/2018 9:33:53 AM



#86
 p-Isopropyltoluene
 Concen: 49.632 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion:119 Resp: 2128697
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 21.8 11.1 33.3





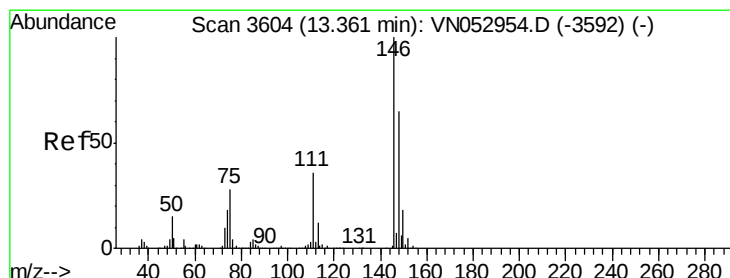
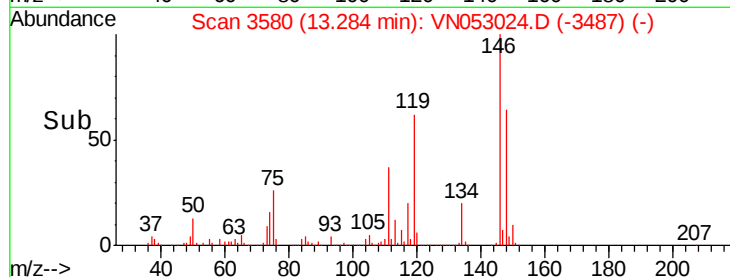
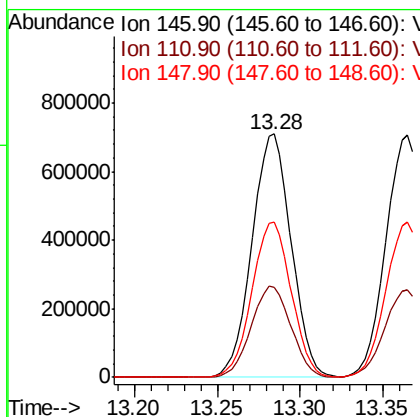
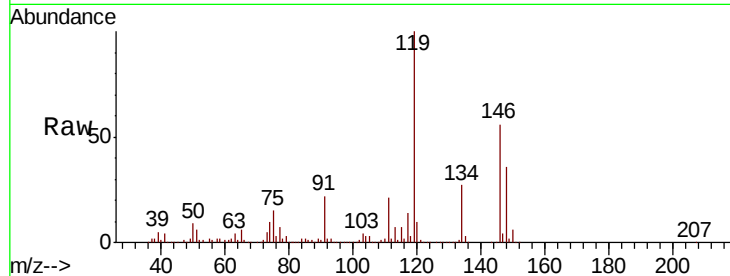
#87
 1,3-Dichlorobenzene
 Concen: 49.725 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1164574
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 63.9 32.0 96.0

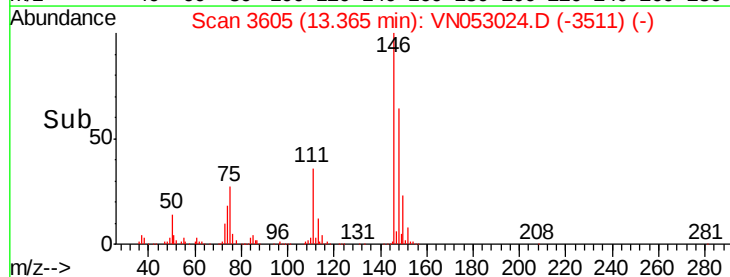
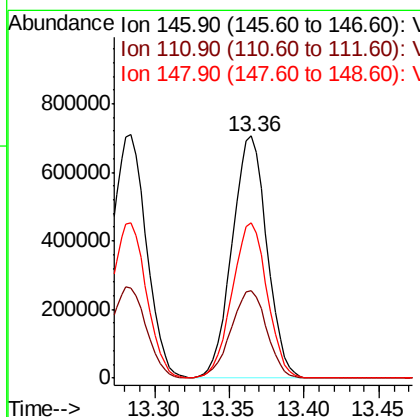
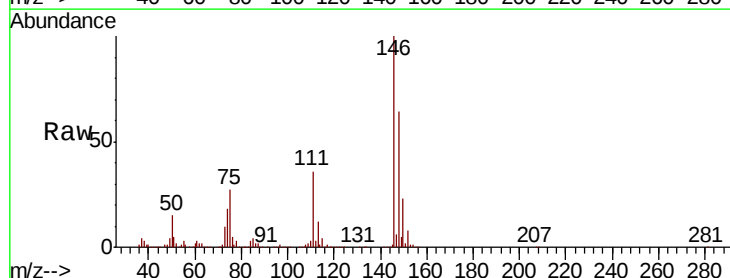
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#88
 1,4-Dichlorobenzene
 Concen: 48.237 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion:146 Resp: 1144057
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.8 32.1 96.5





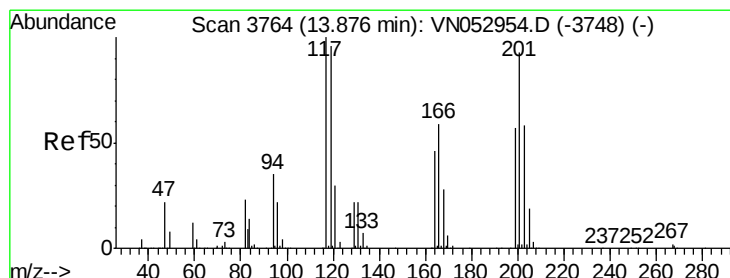
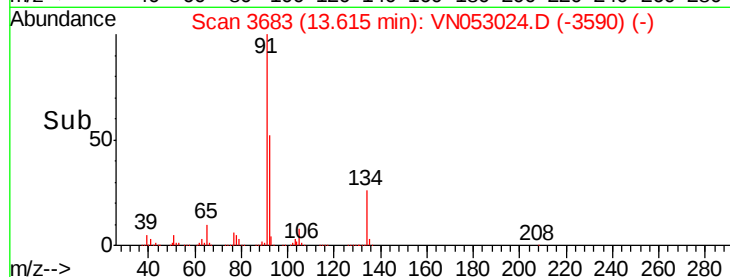
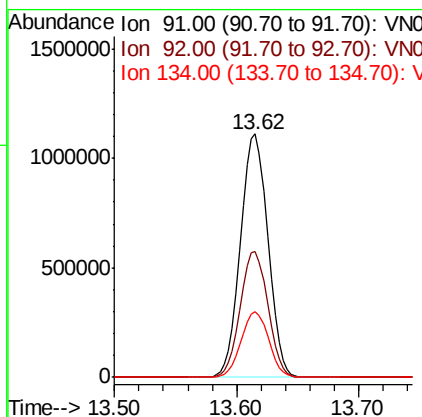
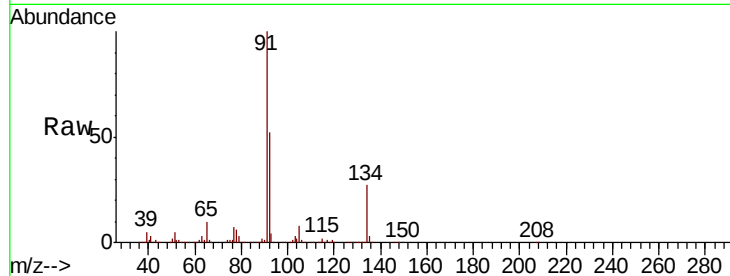
#89
n-Butylbenzene
Concen: 46.622 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	27.0	13.3	39.8

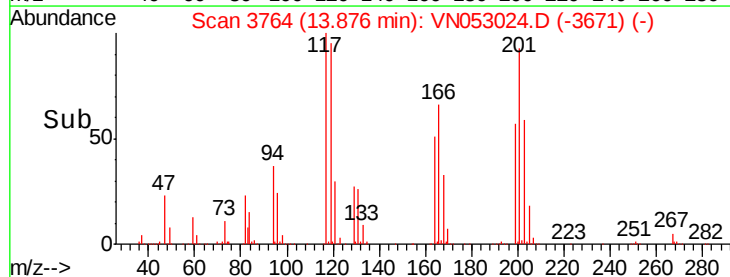
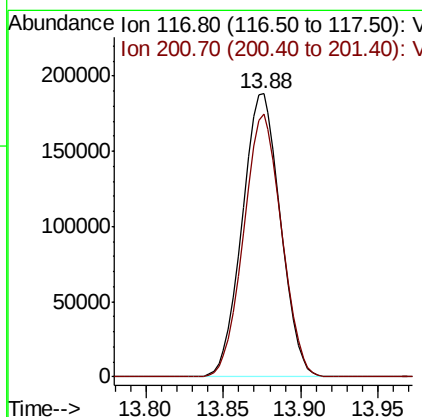
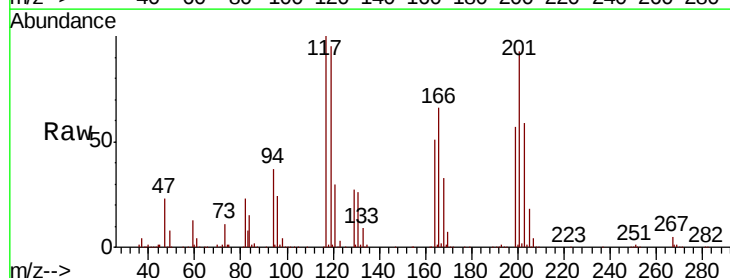
Manual Integrations
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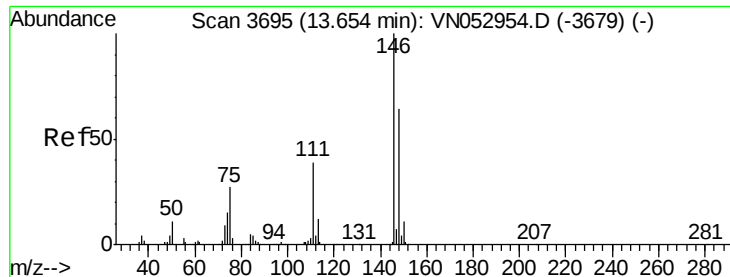
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#90
Hexachloroethane
Concen: 49.250 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	45.7	137.1





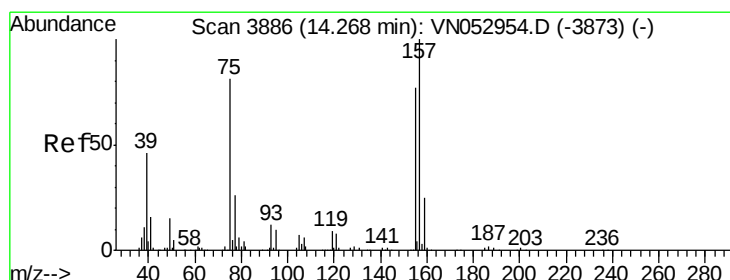
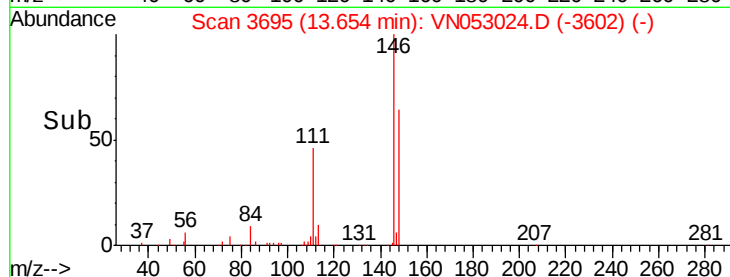
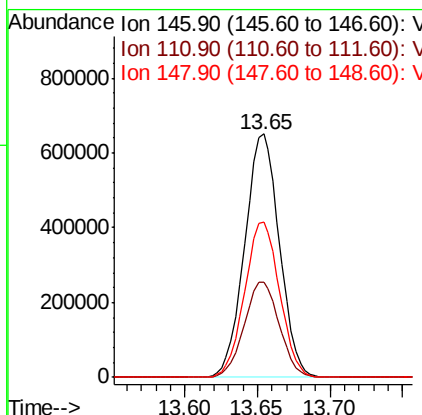
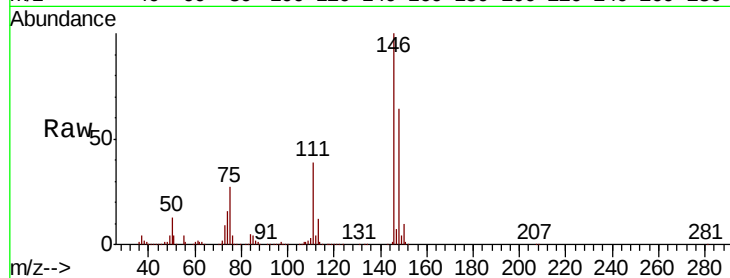
#91
 1,2-Dichlorobenzene
 Concen: 49.176 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	64.4	32.0	96.0

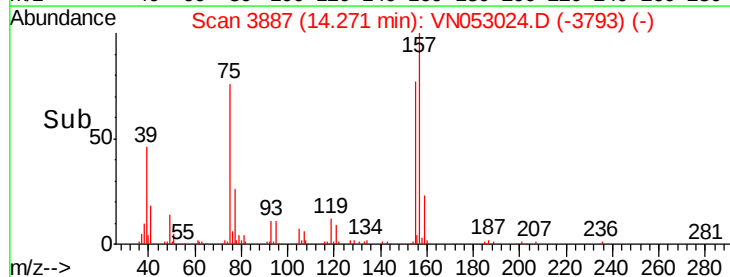
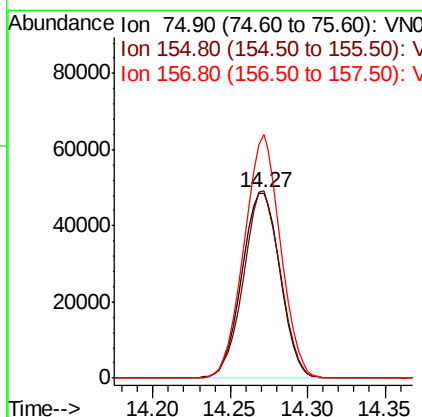
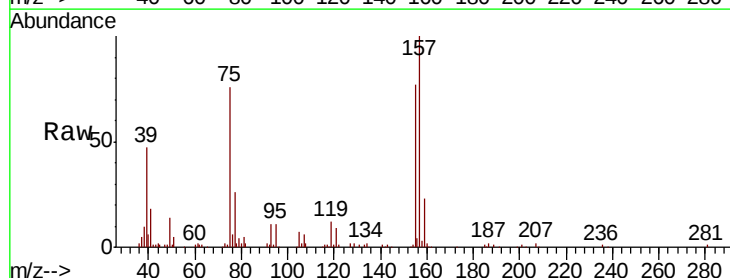
Manual Integrations
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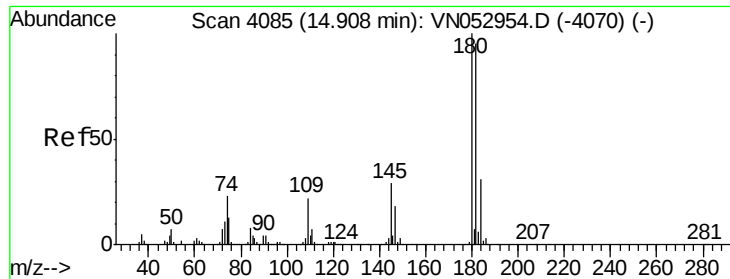
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.520 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.2	144.6
157	125.0	61.2	183.5





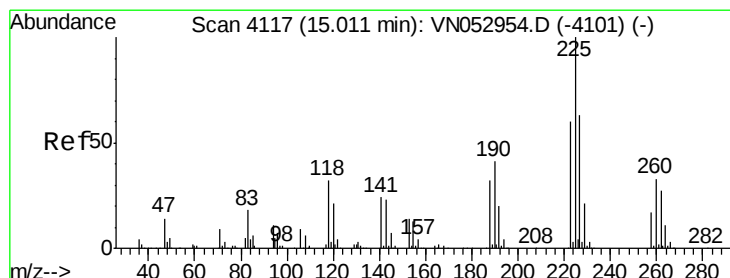
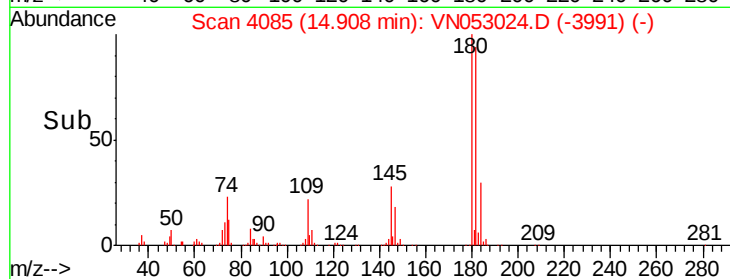
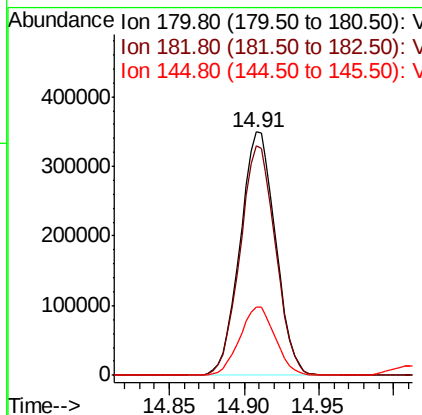
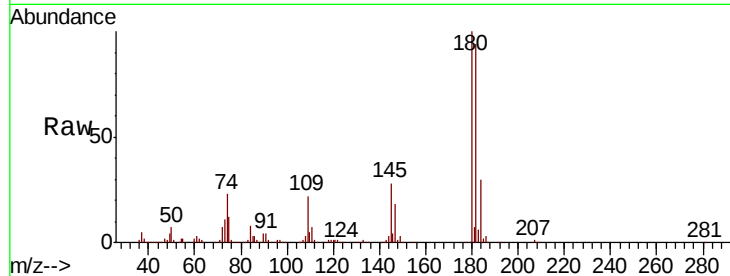
#93
 1,2,4-Trichlorobenzene
 Concen: 49.336 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	576052		
182	94.2	47.8	143.3	
145	28.2	14.2	42.6	

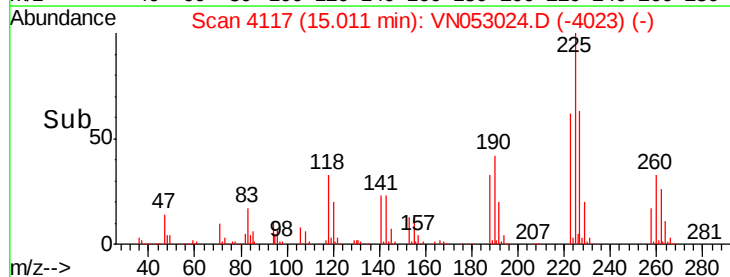
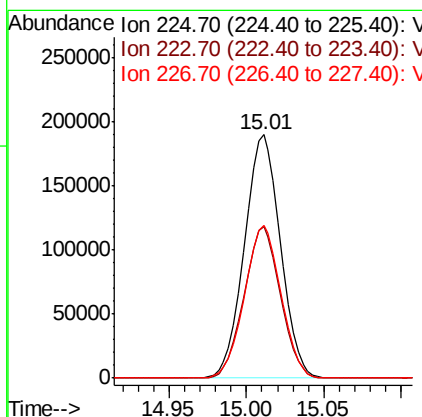
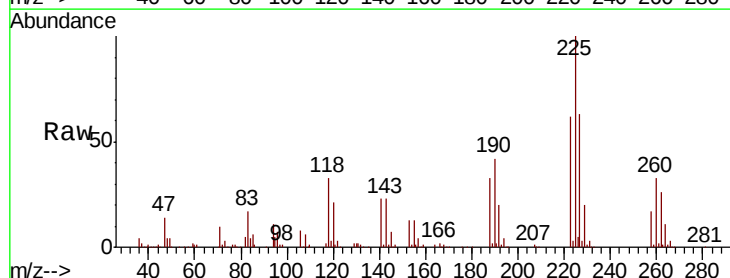
Manual Integrations
 APPROVED

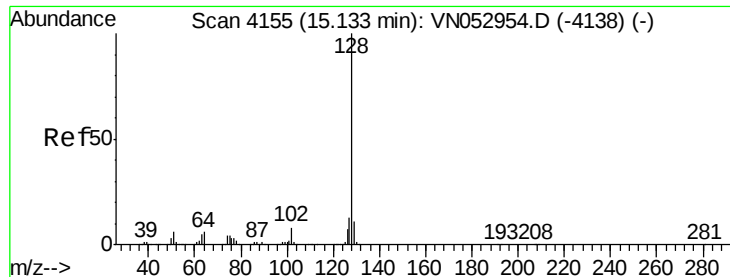
MMDadoda
 12/20/2018 9:33:53 AM



#94
 Hexachlorobutadiene
 Concen: 51.086 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053024.D
 Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308517		
223	62.4	31.5	94.5	
227	63.3	31.9	95.7	





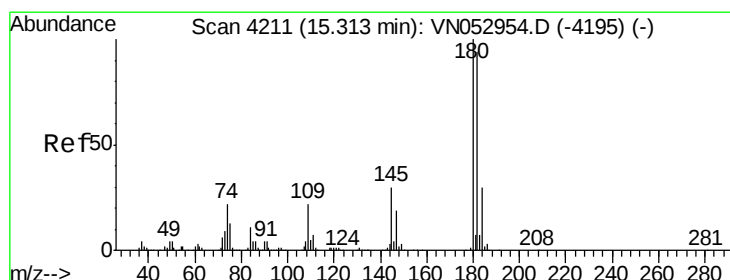
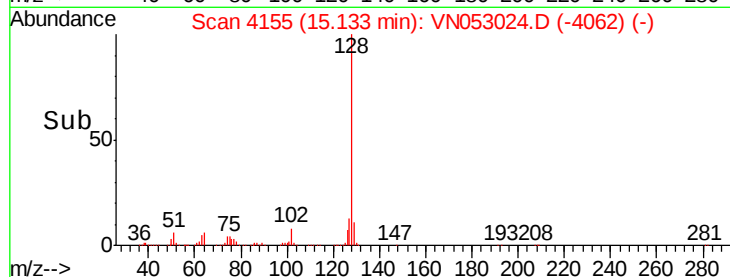
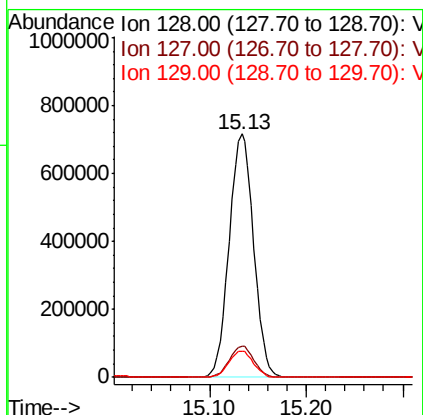
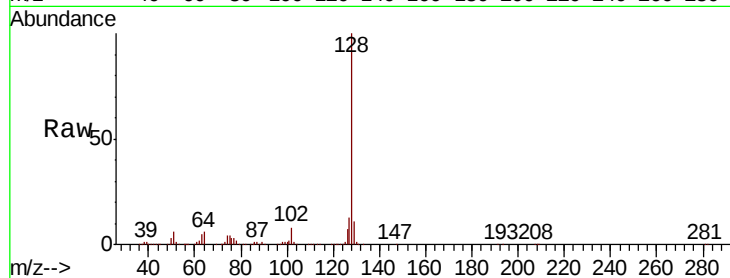
#95
Naphthalene
Concen: 49.034 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 9:33:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.363 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053024.D
Acq: 19 Dec 2018 21:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	29.8	15.0	45.0

