

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052791.D
 Acq On : 11 Dec 2018 9:43
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:05 AM

Quant Time: Dec 12 00:35:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	985179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1487831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1340537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	655051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	525951	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	420477	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	10.09	98	1854264	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	670218	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	371216	40.242	ug/l	100
3) Chloromethane	2.06	50	474237	38.947	ug/l	100
4) Vinyl Chloride	2.19	62	501612	40.103	ug/l	100
5) Bromomethane	2.57	94	296130	37.944	ug/l	99
6) Chloroethane	2.71	64	317454	41.899	ug/l	100
7) Trichlorofluoromethane	3.02	101	689180	44.855	ug/l	99
8) Diethyl Ether	3.41	74	266435	46.958	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	455962	47.559	ug/l	97
10) Methyl Iodide	3.96	142	561030	43.936	ug/l	99
11) Tert butyl alcohol	4.77	59	146642	273.069	ug/l	100
12) 1,1-Dichloroethene	3.74	96	414005	44.861	ug/l	96
13) Acrolein	3.61	56	155198	166.284	ug/l	99
14) Allyl chloride	4.33	41	670260	42.140	ug/l	93
15) Acrylonitrile	4.98	53	811635	238.761	ug/l	99
16) Acetone	3.81	43	660785	233.551	ug/l	99
17) Carbon Disulfide	4.06	76	1058434	36.445	ug/l	99
18) Methyl Acetate	4.32	43	422625	52.075	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1201066	48.916	ug/l	100
20) Methylene Chloride	4.55	84	483480	43.668	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	448598	45.514	ug/l	96
22) Diisopropyl ether	5.95	45	1559778	46.686	ug/l	99
23) Vinyl Acetate	5.89	43	4555861	218.933	ug/l	98
24) 1,1-Dichloroethane	5.85	63	882254	46.250	ug/l	99
25) 2-Butanone	6.83	43	957479	238.759	ug/l	96
26) 2,2-Dichloropropane	6.82	77	677149	51.285	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	540616	47.087	ug/l	98
28) Bromochloromethane	7.20	49	415967	47.742	ug/l	94
29) Tetrahydrofuran	7.21	42	592319	228.996	ug/l	97
30) Chloroform	7.37	83	882132	46.350	ug/l	97
31) Cyclohexane	7.65	56	782413	42.320	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	728500	48.312	ug/l	98
36) 1,1-Dichloropropene	7.79	75	657208	46.776	ug/l	98
37) Ethyl Acetate	6.93	43	397312	46.336	ug/l	98
38) Carbon Tetrachloride	7.77	117	630533	49.574	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	808430	47.340	ug/l	99
40) Benzene	8.04	78	2007502	47.944	ug/l	100
41) Methacrylonitrile	7.17	41	229501	48.957	ug/l	97
42) 1,2-Dichloroethane	8.12	62	612460	48.308	ug/l	99
43) Isopropyl Acetate	8.16	43	771202	53.147	ug/l	97
44) Trichloroethene	8.83	130	544295	50.748	ug/l	100
45) 1,2-Dichloropropane	9.12	63	549400	49.353	ug/l	99
46) Dibromomethane	9.21	93	308041	49.986	ug/l	98
47) Bromodichloromethane	9.40	83	677096	50.535	ug/l	99
48) Methyl methacrylate	9.20	41	375920	49.683	ug/l	99
49) 1,4-Dioxane	9.20	88	87747	1117.428	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2050720	251.882	ug/l	99
52) Toluene	10.16	92	1243262	49.975	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	681398	52.864	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	796251	51.549	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	445032	50.856	ug/l	99
56) Ethyl methacrylate	10.43	69	589680	48.607	ug/l	97
57) 1,3-Dichloropropane	10.71	76	776295	50.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1633091	257.186	ug/l	98
59) 2-Hexanone	10.75	43	1463691	267.867	ug/l	98
60) Dibromochloromethane	10.90	129	502517	52.872	ug/l	99
61) 1,2-Dibromoethane	11.01	107	440599	50.693	ug/l	99
64) Tetrachloroethene	10.63	164	585388	56.322	ug/l	99
65) Chlorobenzene	11.43	112	1389934	50.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	501935	52.224	ug/l	100
67) Ethyl Benzene	11.51	91	2439345	50.394	ug/l	100
68) m/p-Xylenes	11.62	106	1845354	102.405	ug/l	99
69) o-Xylene	11.95	106	905861	51.766	ug/l	98
70) Styrene	11.96	104	1494434	53.618	ug/l	99
71) Bromoform	12.13	173	337224	52.991	ug/l	99
73) Isopropylbenzene	12.25	105	2433657	47.354	ug/l	99
74) N-amyl acetate	12.07	43	653628	50.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	509966	43.621	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	414417m	41.026	ug/l	
77) Bromobenzene	12.53	156	613283	48.279	ug/l	97
78) n-propylbenzene	12.59	91	2835978	48.574	ug/l	99
79) 2-Chlorotoluene	12.68	91	1633785	46.991	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2000054	48.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	150003	49.592	ug/l	97
82) 4-Chlorotoluene	12.77	91	1691179	48.263	ug/l	99
83) tert-Butylbenzene	12.99	119	1765389	48.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2032251	49.474	ug/l	100
85) sec-Butylbenzene	13.17	105	2441812	49.062	ug/l	99
86) p-Isopropyltoluene	13.29	119	2121177	50.039	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1116718	50.257	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1104426	50.461	ug/l	100
89) n-Butylbenzene	13.62	91	1861536	52.804	ug/l	100
90) Hexachloroethane	13.88	117	344264	47.964	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1062590	50.054	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81778	48.909	ug/l	96

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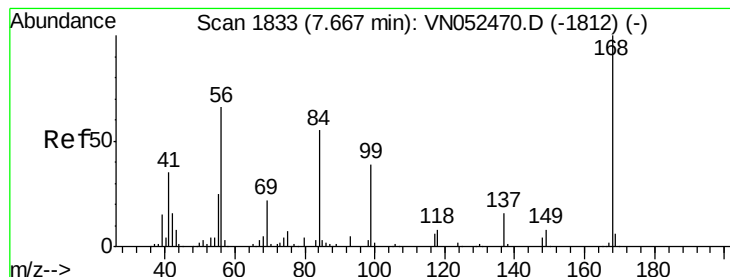
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	608921	52.227	ug/l	100
94) Hexachlorobutadiene	15.01	225	347977	50.952	ug/l	100
95) Naphthalene	15.13	128	1205737	48.966	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	544370	50.862	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 985179

Ion Ratio Lower Upper

168 100

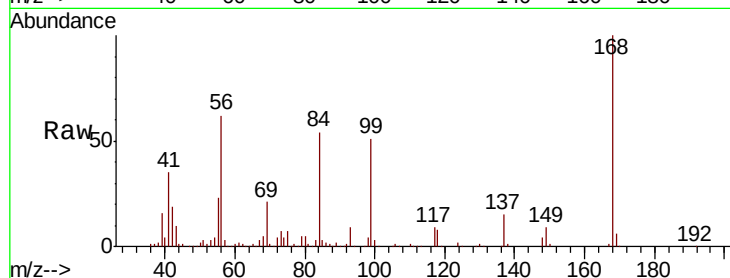
99 51.3 41.7 62.5

Manual Integrations

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12/12/2018 11:33:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

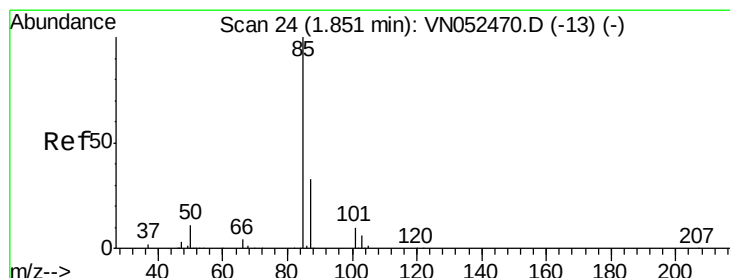
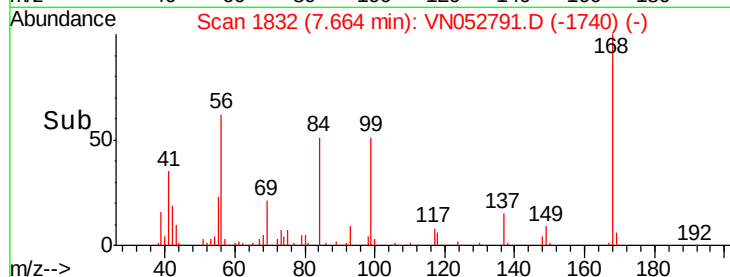
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.242 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052791.D

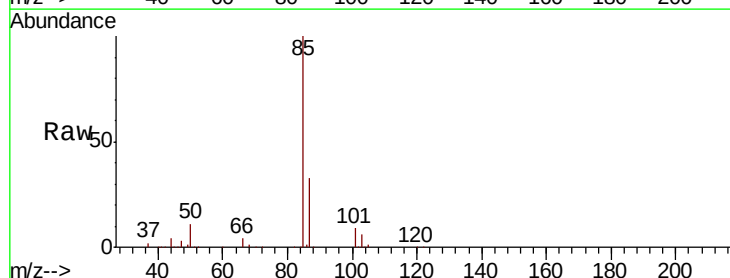
Acq: 11 Dec 2018 9:43

Tgt Ion: 85 Resp: 371216

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

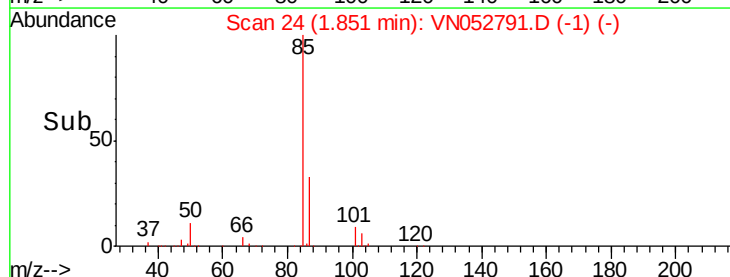
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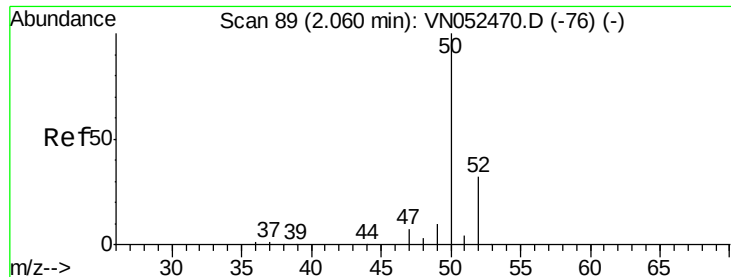
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 38.947 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 474237

Ion Ratio Lower Upper

50 100

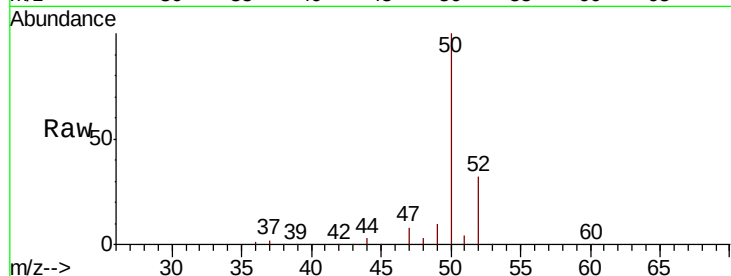
52 32.3 25.9 38.9

Manual Integrations

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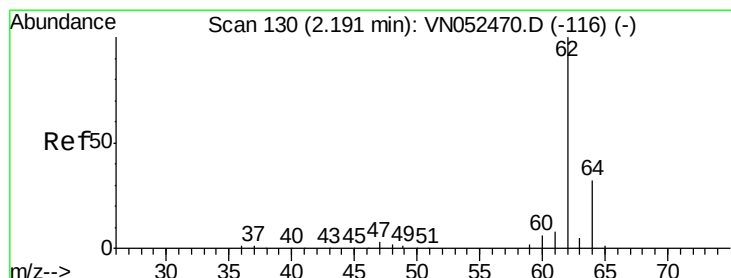
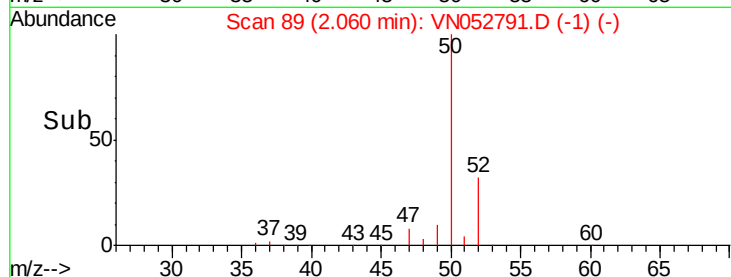
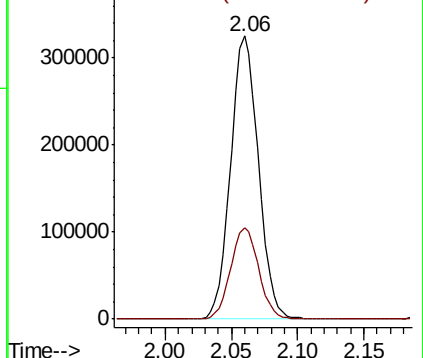
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 40.103 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052791.D

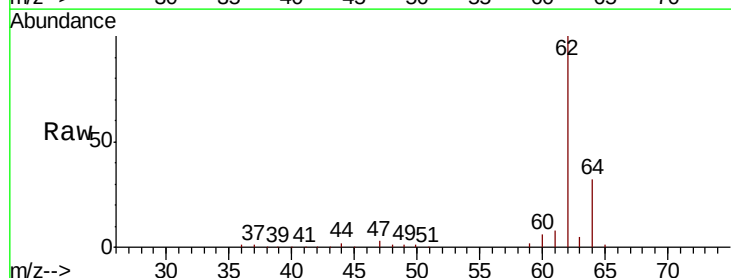
Acq: 11 Dec 2018 9:43

Tgt Ion: 62 Resp: 501612

Ion Ratio Lower Upper

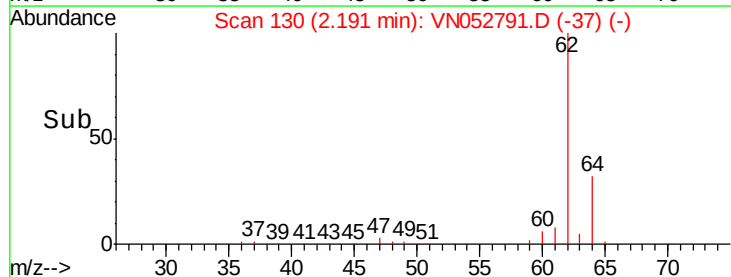
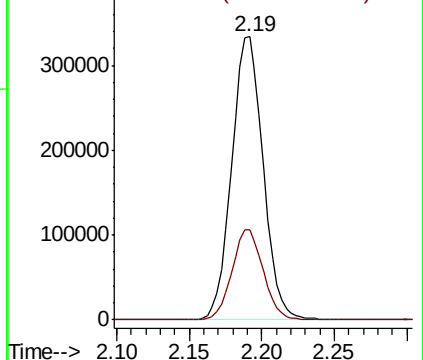
62 100

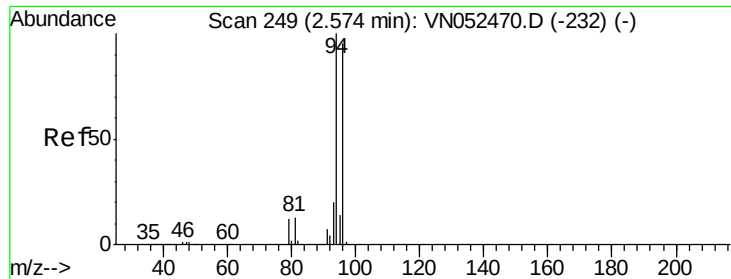
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 37.944 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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Acq: 11 Dec 2018 9:43

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 296130

Ion Ratio Lower Upper

94 100

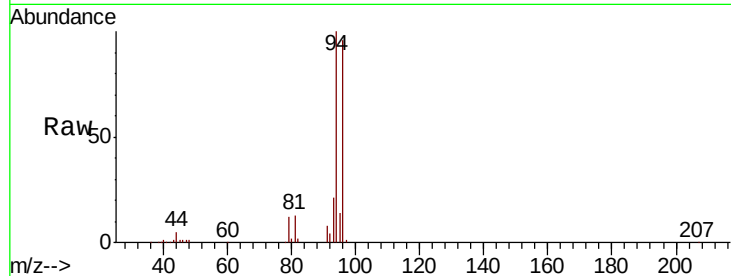
96 96.0 75.8 113.8

Manual Integrations

APPROVED

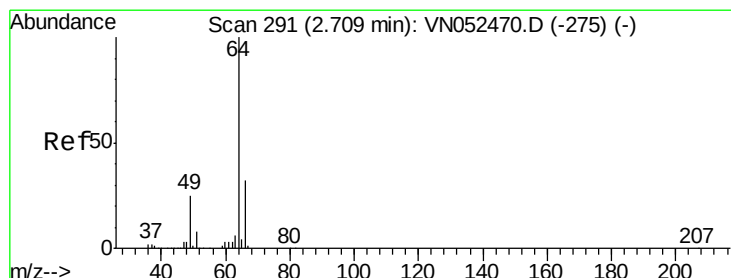
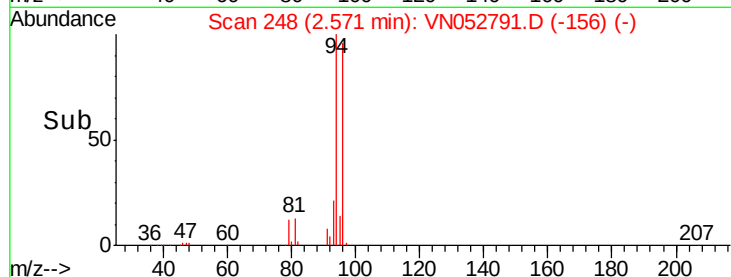
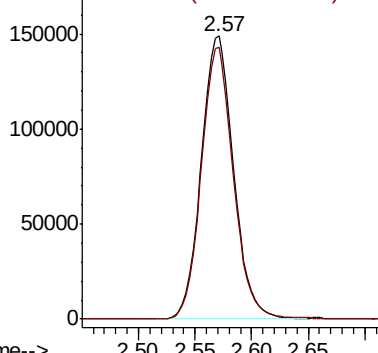
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 41.899 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052791.D

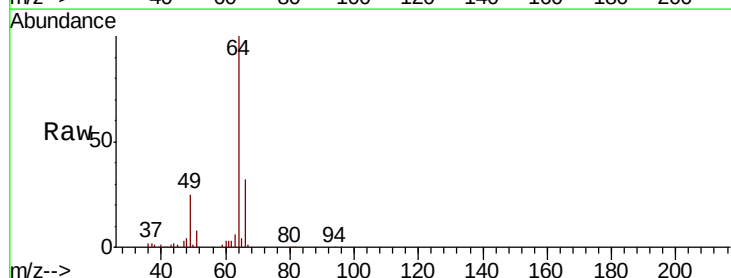
Acq: 11 Dec 2018 9:43

Tgt Ion: 64 Resp: 317454

Ion Ratio Lower Upper

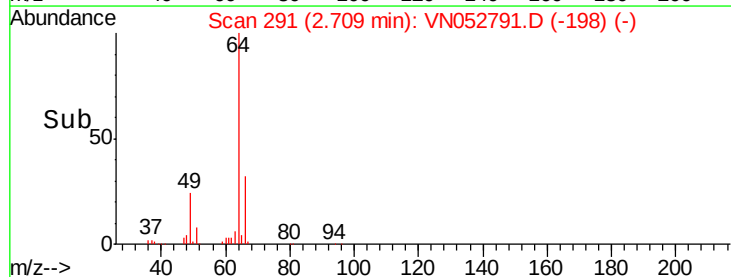
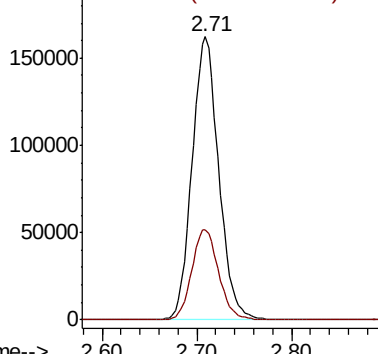
64 100

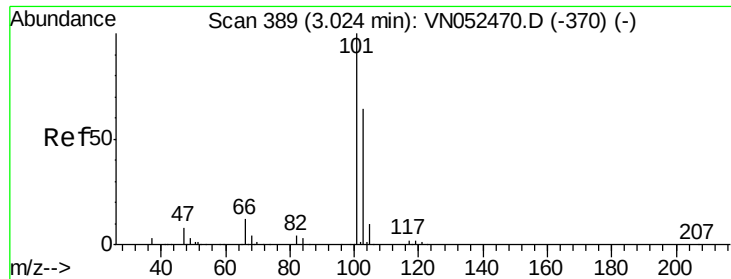
66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

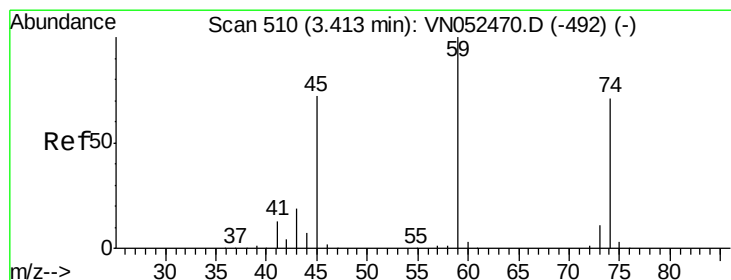
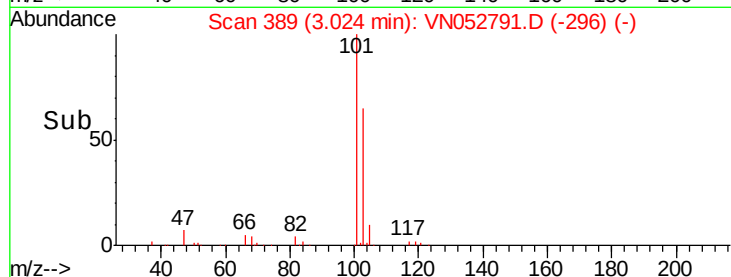
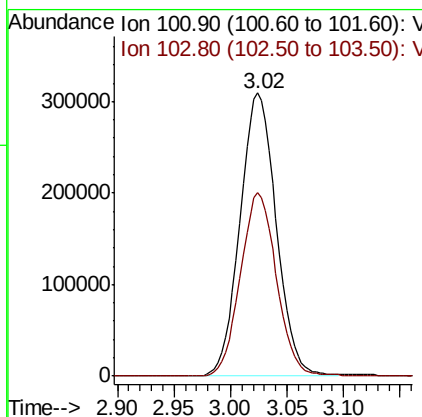
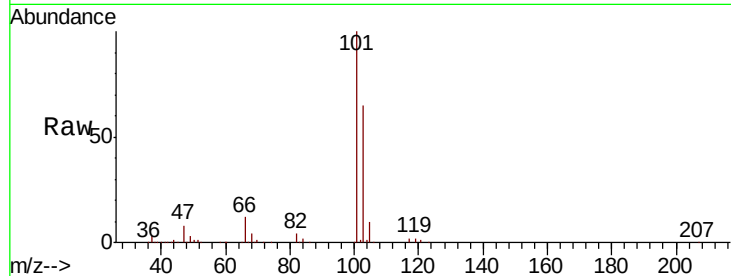
Trichlorofluoromethane
Concen: 44.855 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.2

Manual Integrations
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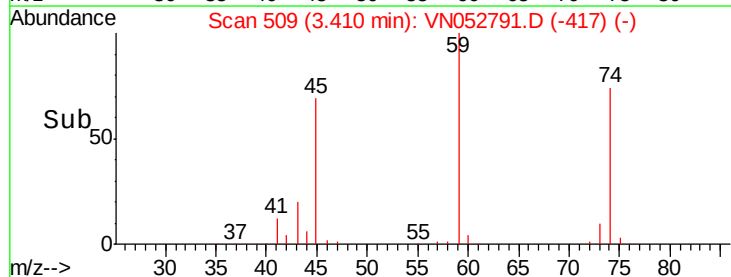
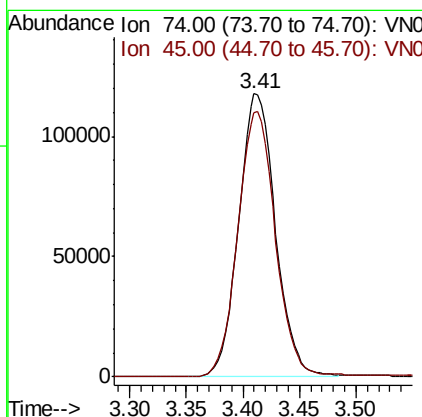
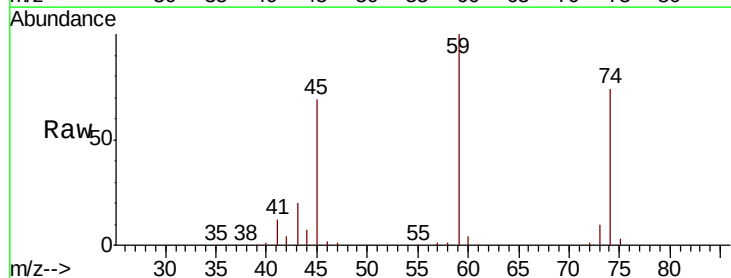
MMDadoda
12/12/2018 11:33:05 AM

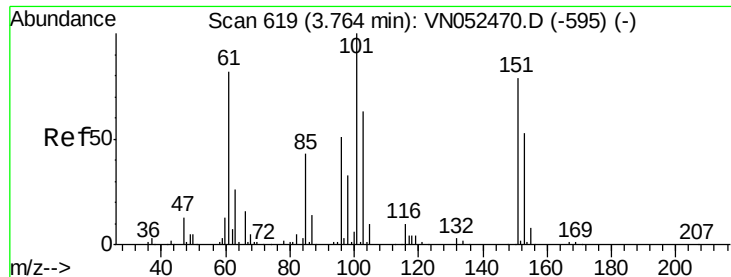


#8

Diethyl Ether
Concen: 46.958 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.559 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

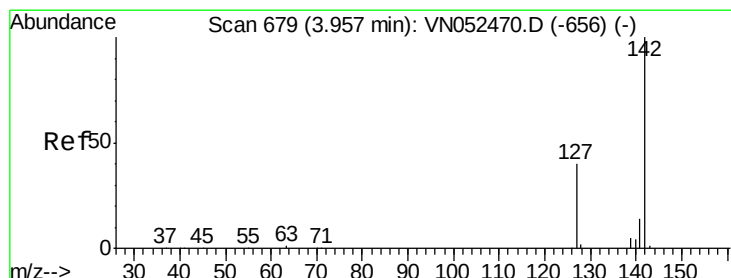
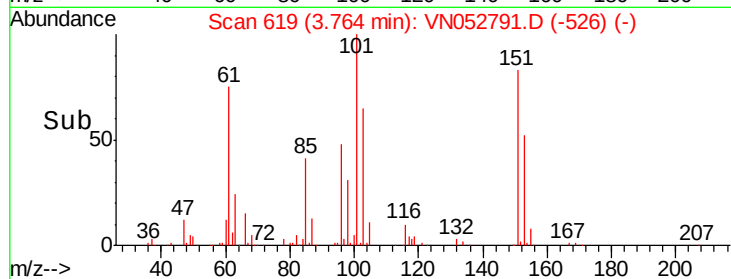
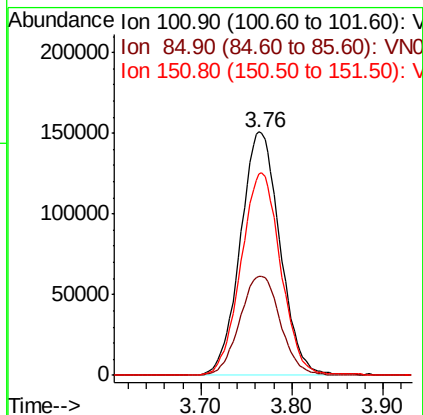
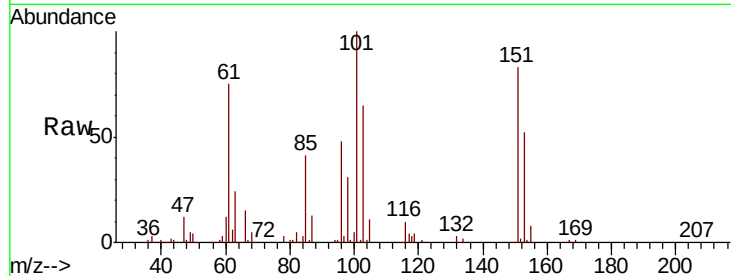
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	455962
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	83.2	64.6	96.8

Manual Integrations
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12/12/2018 11:33:05 AM



#10

Methyl Iodide

Concen: 43.936 ug/l

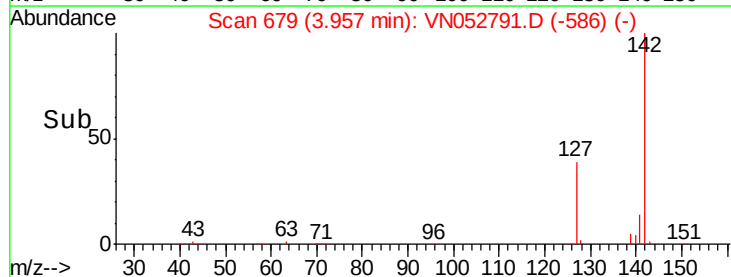
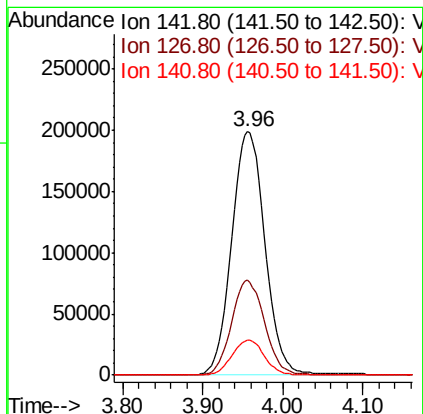
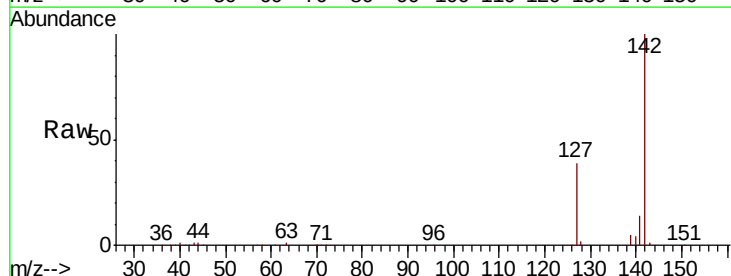
RT: 3.96 min Scan# 679

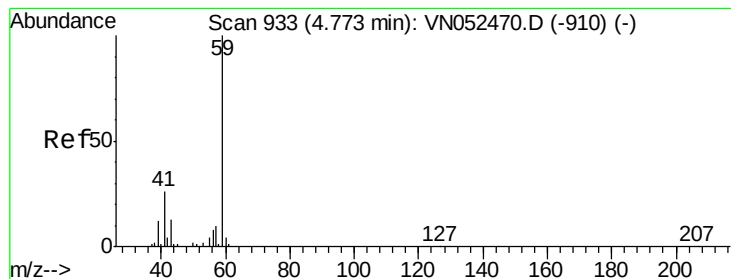
Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	142	Resp:	561030
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.8	47.6
141	14.1	11.4	17.0





#11

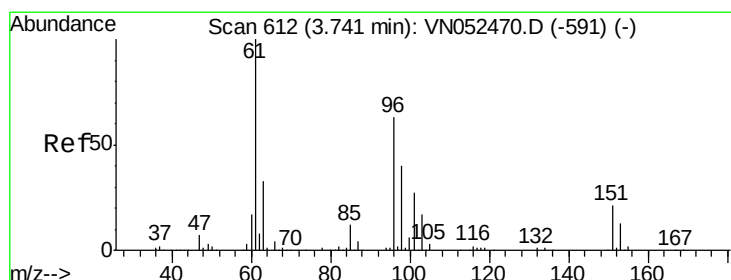
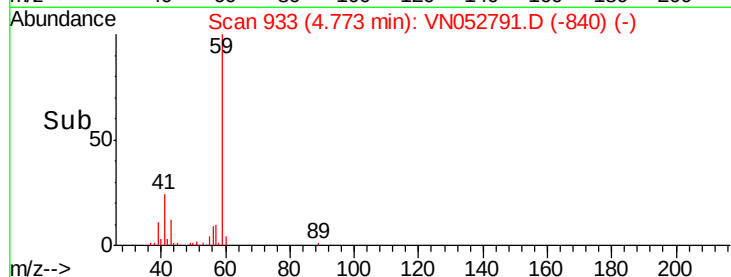
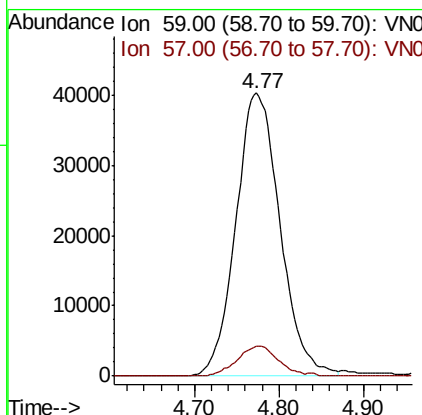
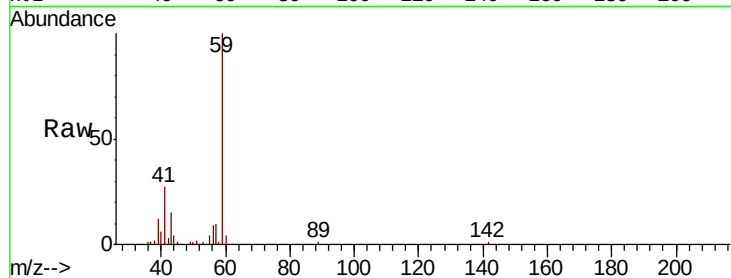
Tert butyl alcohol
Concen: 273.069 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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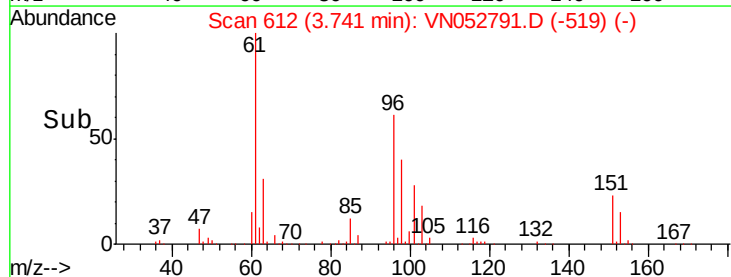
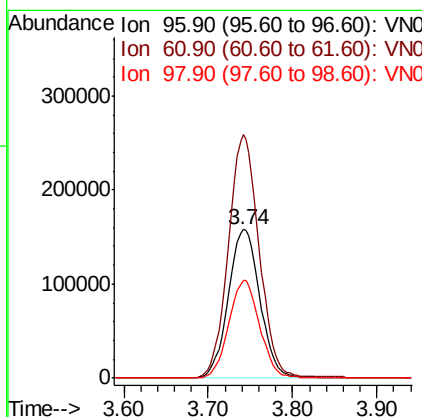
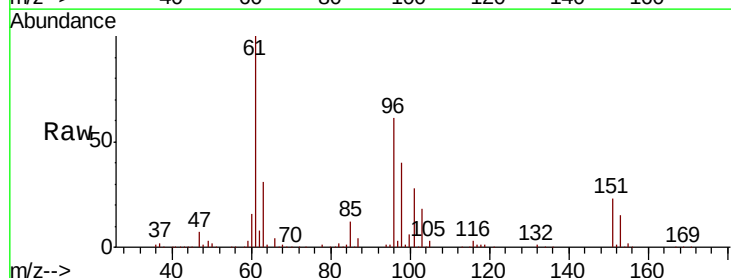
MMDadoda
12/12/2018 11:33:05 AM

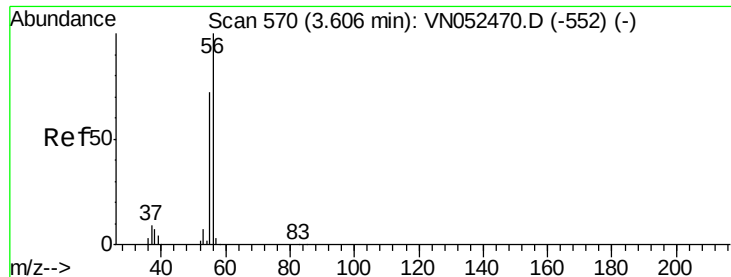


#12

1,1-Dichloroethene
Concen: 44.861 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.8	127.0	190.6
98	66.0	50.3	75.5





#13

Acrolein

Concen: 166.284 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 155198

Ion Ratio Lower Upper

56 100

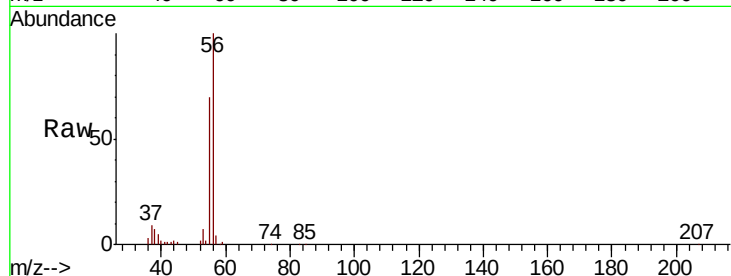
55 71.8 56.8 85.2

Manual Integrations

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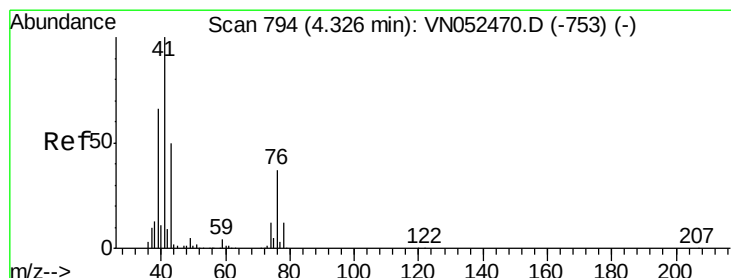
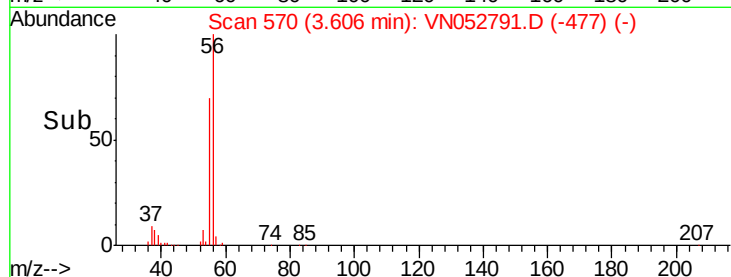
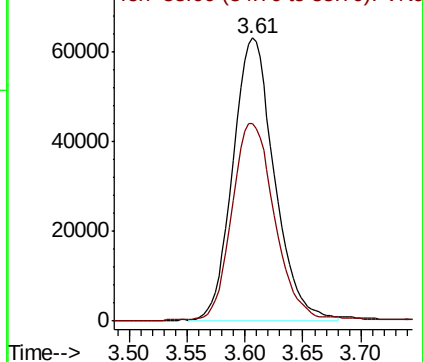
MMDadoda

12/12/2018 11:33:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.140 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

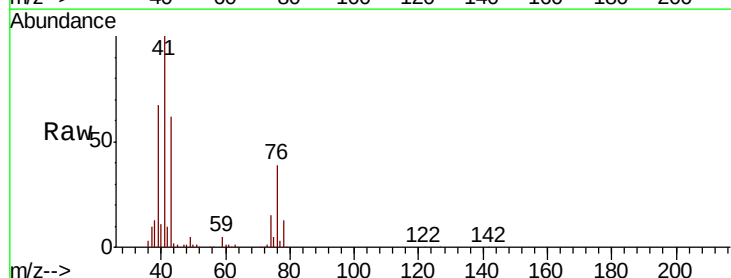
Tgt Ion: 41 Resp: 670260

Ion Ratio Lower Upper

41 100

39 68.5 50.6 76.0

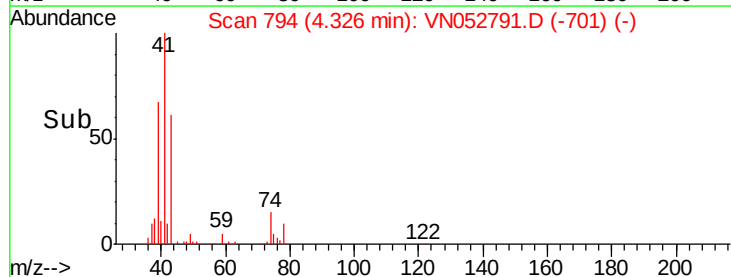
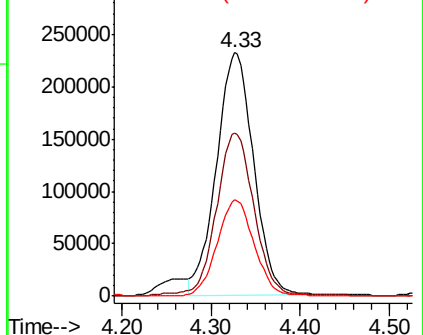
76 38.6 27.4 41.2

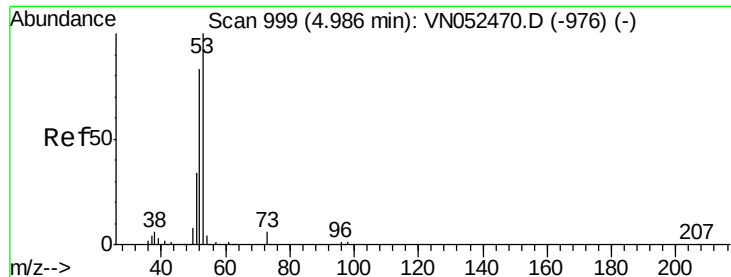


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 238.761 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

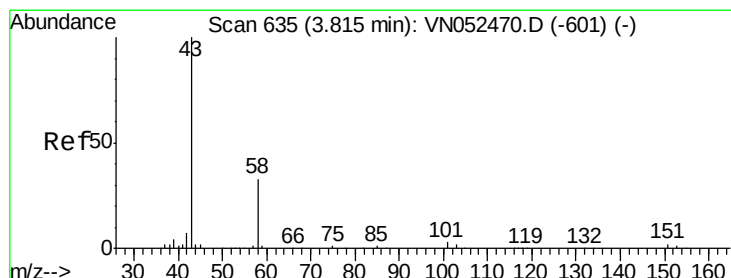
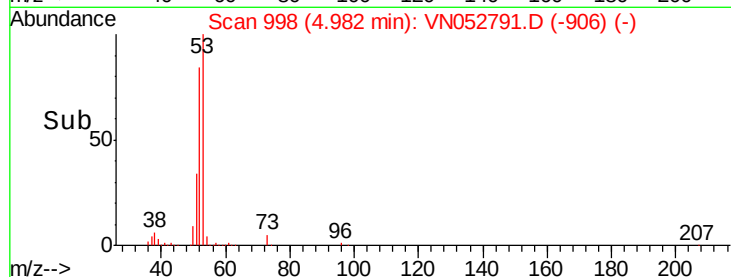
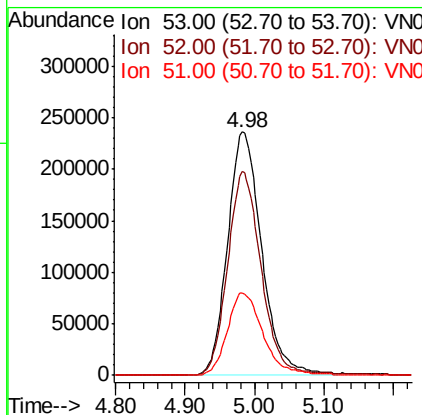
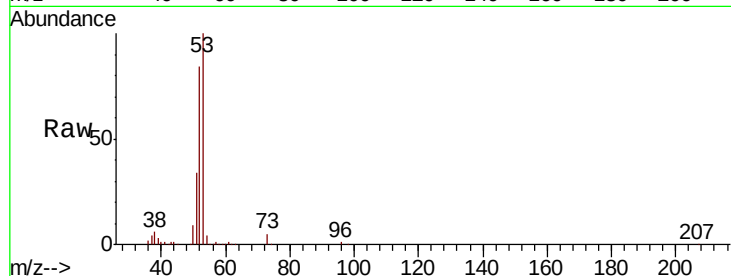
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	811635
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 233.551 ug/l

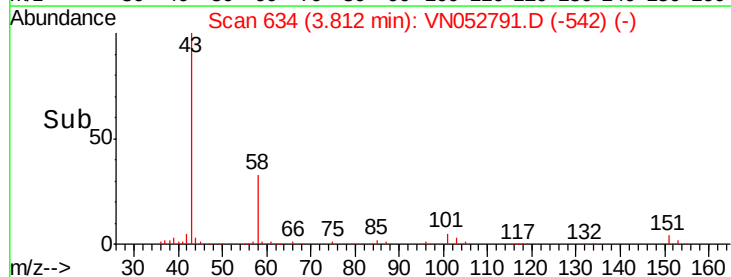
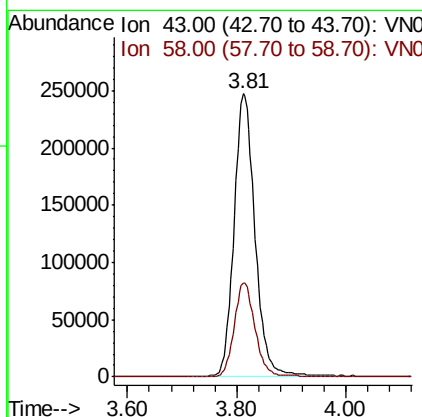
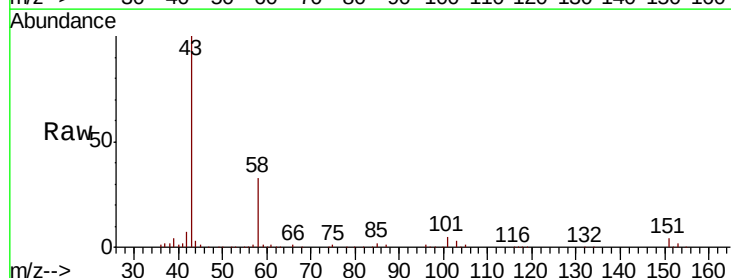
RT: 3.81 min Scan# 634

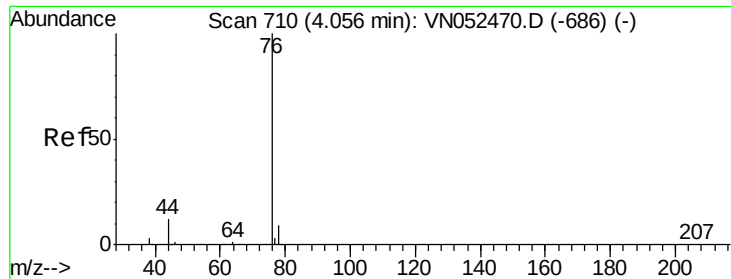
Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	43	Resp:	660785
Ion Ratio		Lower	Upper
43	100		
58	33.2	26.0	39.0





#17

Carbon Disulfide

Concen: 36.445 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1058434

Ion Ratio Lower Upper

76 100

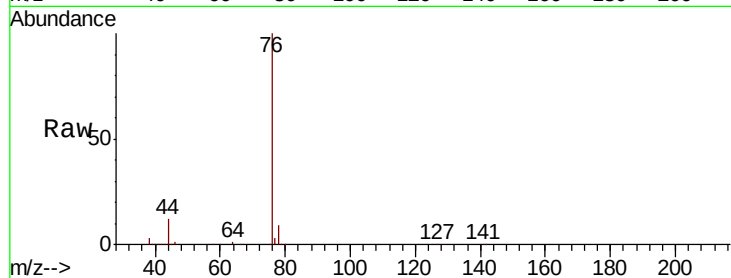
78 9.4 7.4 11.0

Manual Integrations

APPROVED

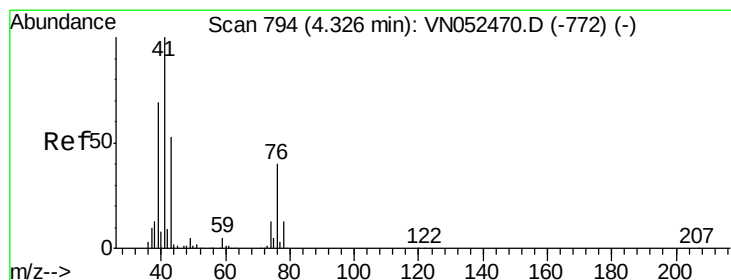
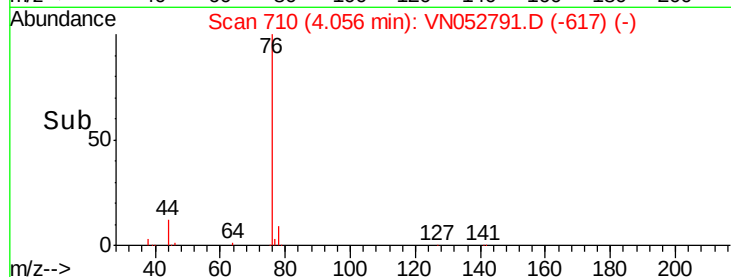
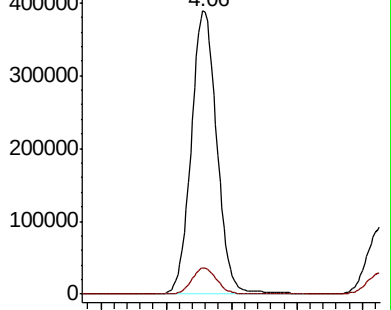
MMDadoda

12/12/2018 11:33:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 52.075 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052791.D

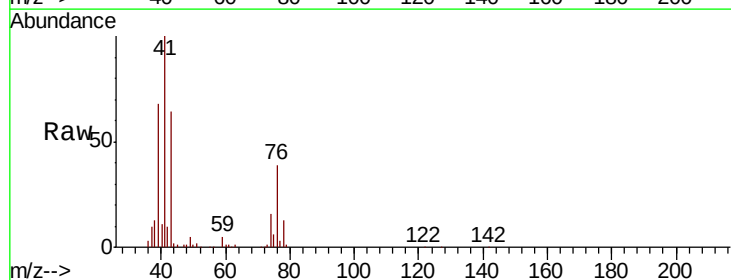
Acq: 11 Dec 2018 9:43

Tgt Ion: 43 Resp: 422625

Ion Ratio Lower Upper

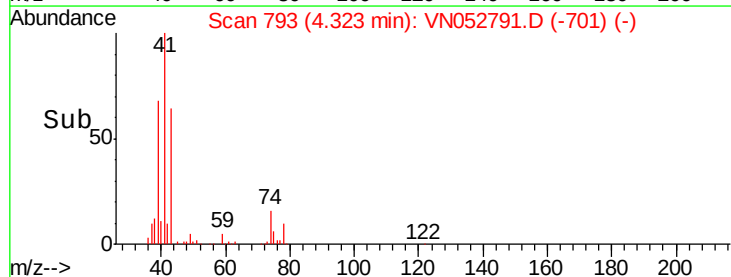
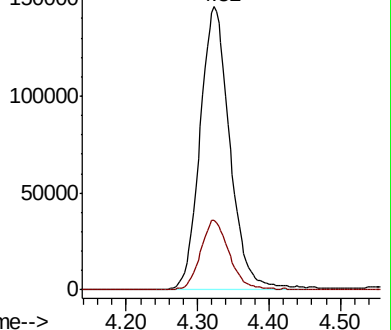
43 100

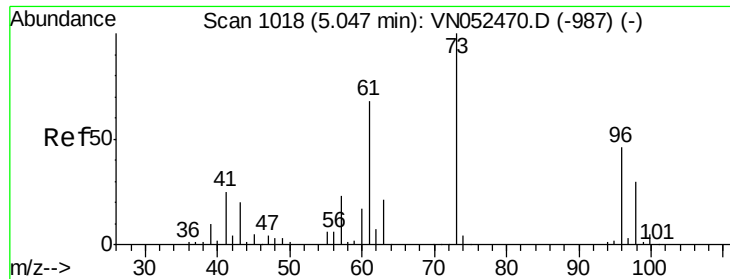
74 24.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





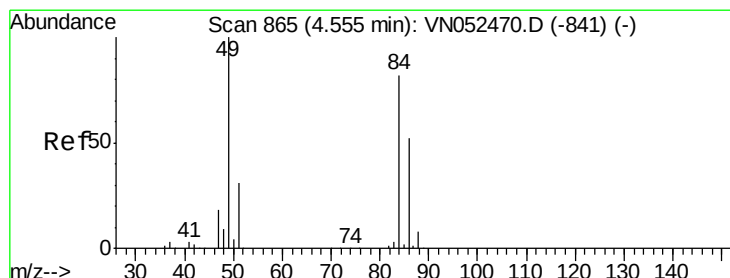
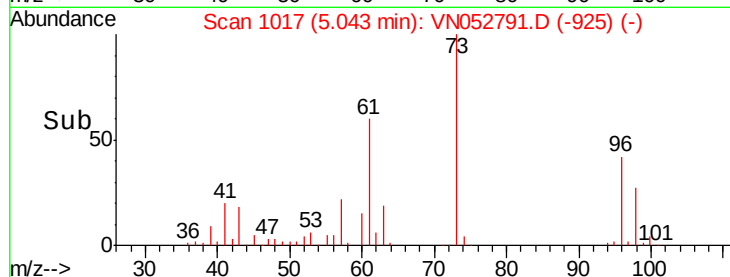
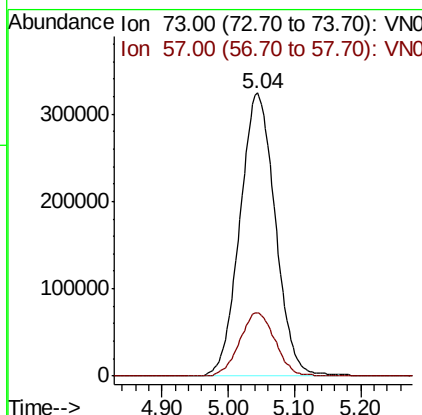
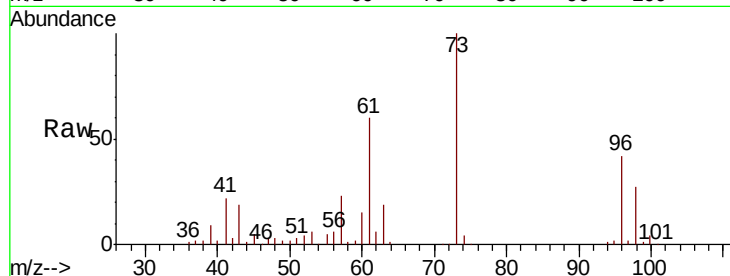
#19
Methyl tert-butyl Ether
Concen: 48.916 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1201066
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

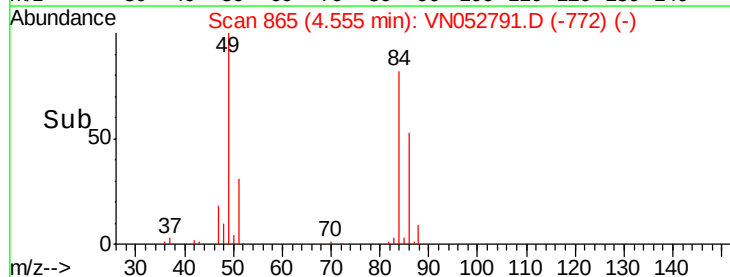
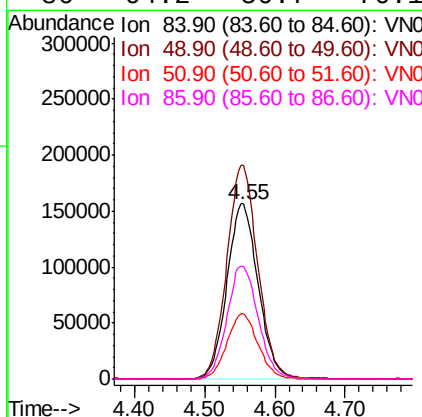
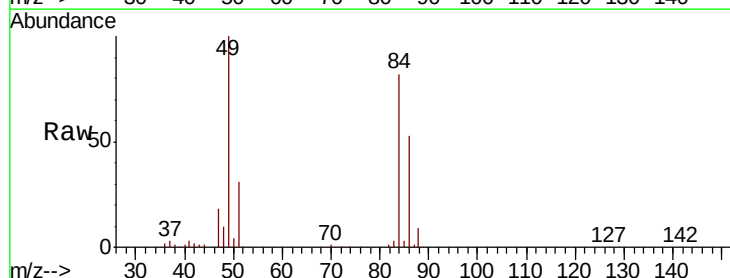
Manual Integrations
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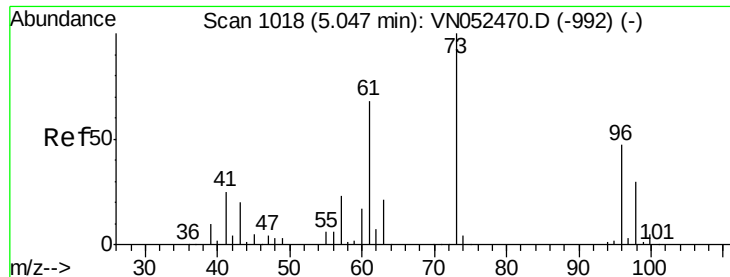
MMDadoda
12/12/2018 11:33:05 AM



#20
Methylene Chloride
Concen: 43.668 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion: 84 Resp: 483480
Ion Ratio Lower Upper
84 100
49 121.7 98.0 147.0
51 37.5 30.1 45.1
86 64.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 45.514 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 448598

Ion Ratio Lower Upper

96 100

61 140.2 117.0 175.4

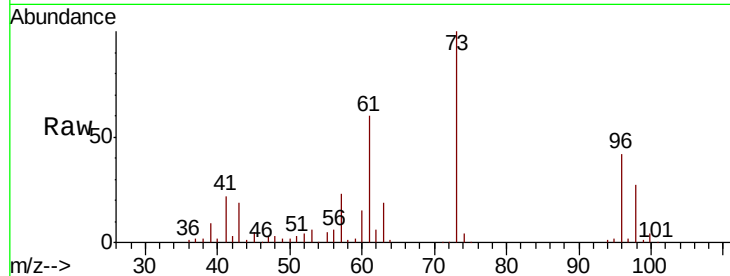
98 63.1 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

12/12/2018 11:33:05 AM

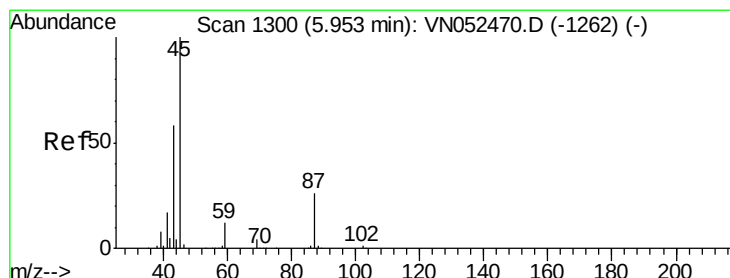
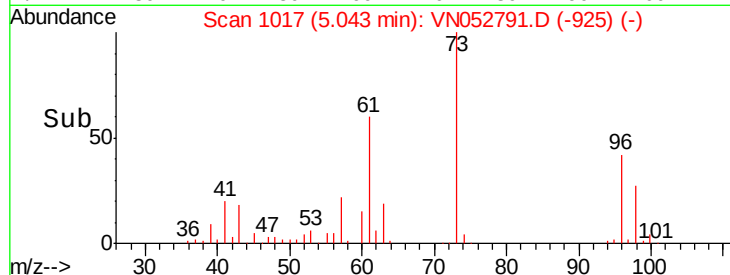
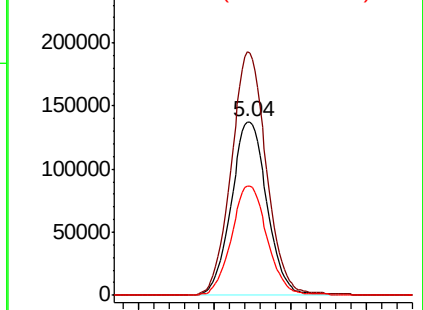


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 46.686 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion: 45 Resp: 1559778

Ion Ratio Lower Upper

45 100

43 57.0 46.1 69.1

87 27.5 21.3 31.9

59 11.5 9.5 14.3

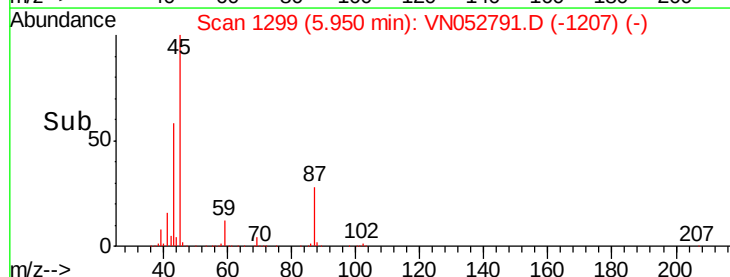
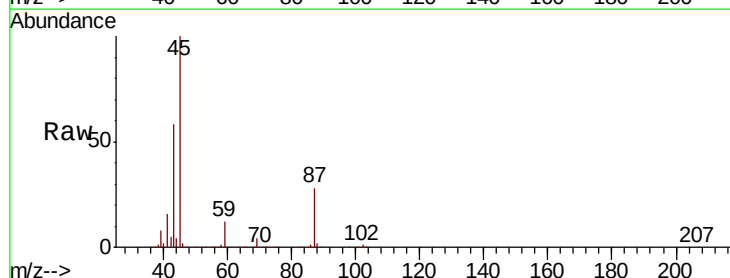
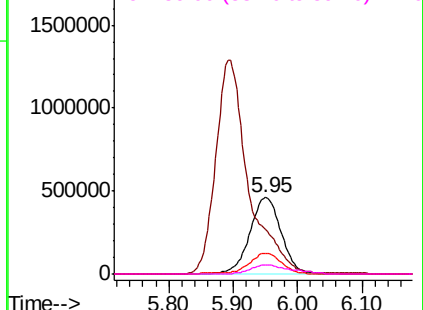
Abundance

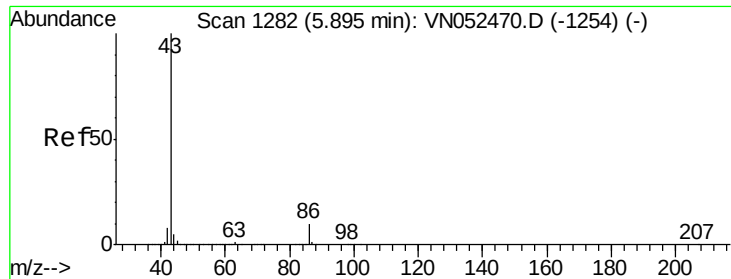
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 218.933 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 4555861

Ion Ratio Lower Upper

43 100

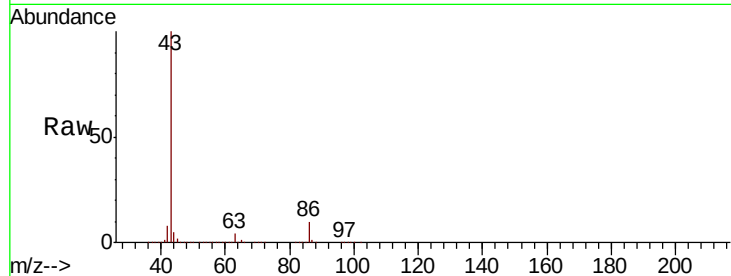
86 10.4 7.8 11.8

Manual Integrations

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MMDadoda

12/12/2018 11:33:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

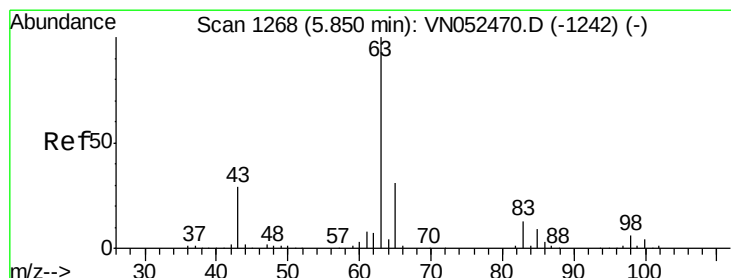
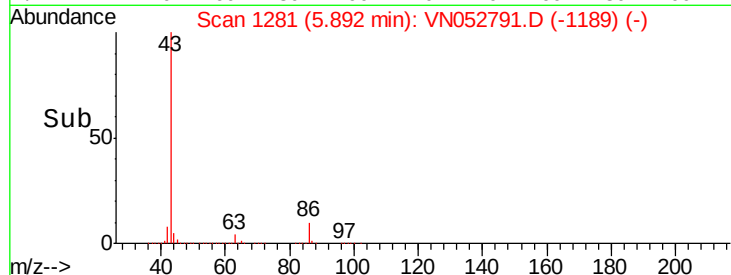
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.250 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

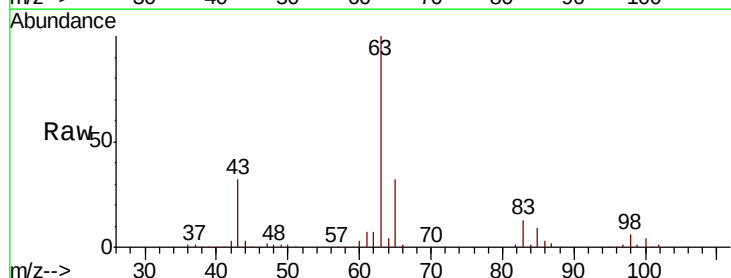
Tgt Ion: 63 Resp: 882254

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

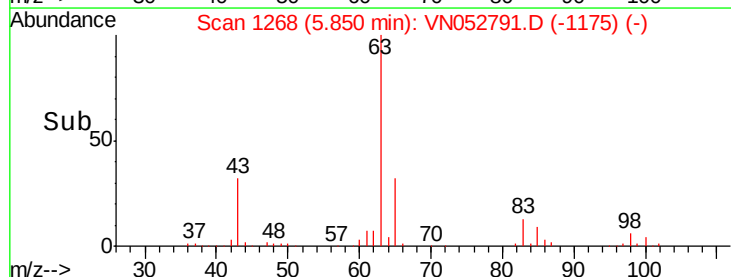
300000

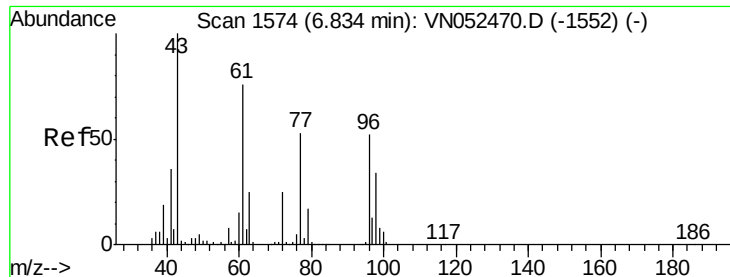
200000

100000

0

Time-->





#25

2-Butanone

Concen: 238.759 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 957479

Ion Ratio Lower Upper

43 100

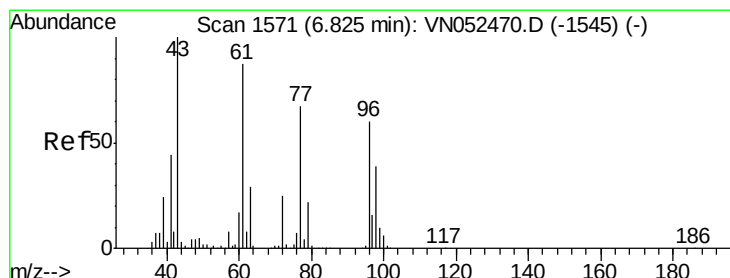
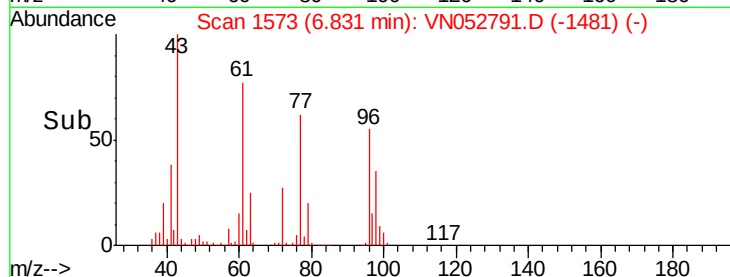
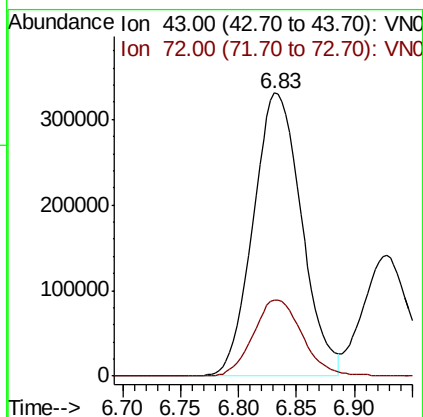
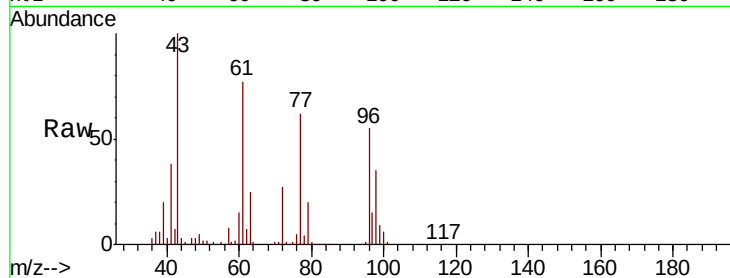
72 27.0 20.1 30.1

Manual Integrations

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12/12/2018 11:33:05 AM



#26

2,2-Dichloropropane

Concen: 51.285 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052791.D

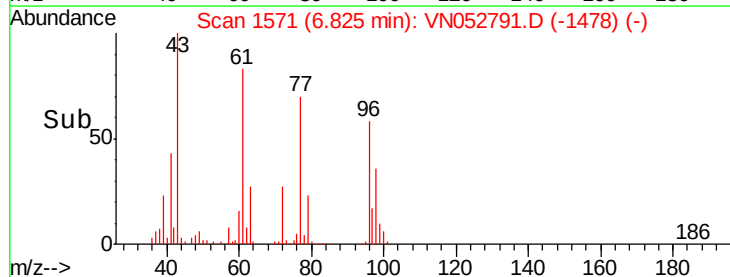
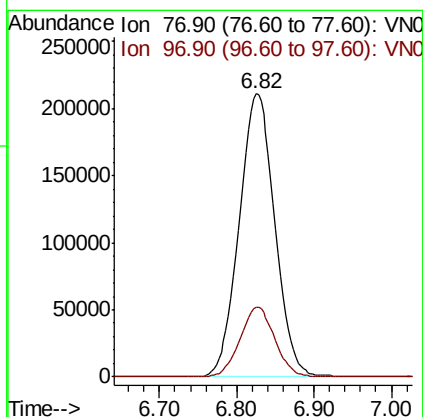
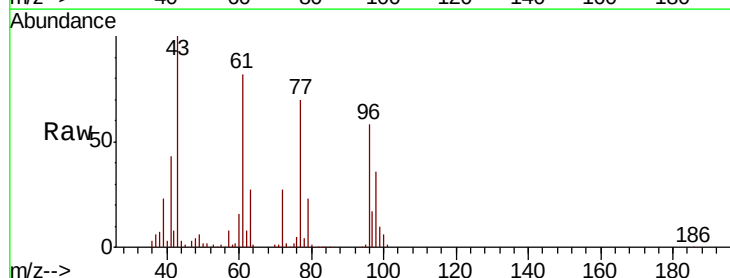
Acq: 11 Dec 2018 9:43

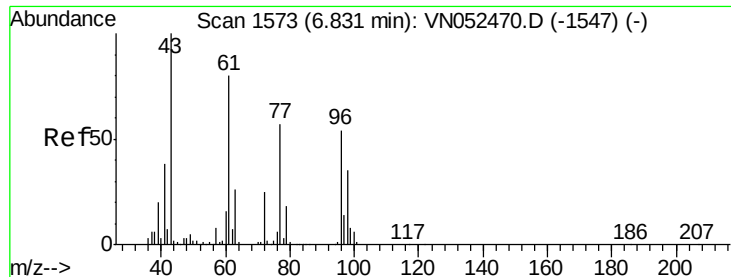
Tgt Ion: 77 Resp: 677149

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.087 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

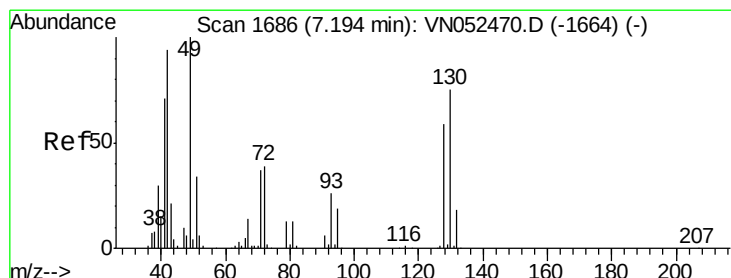
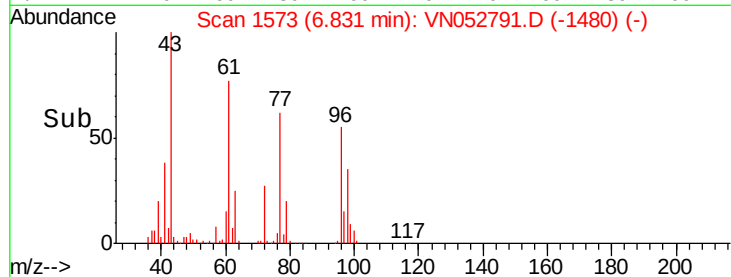
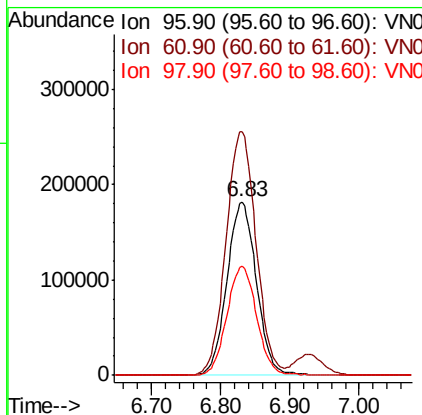
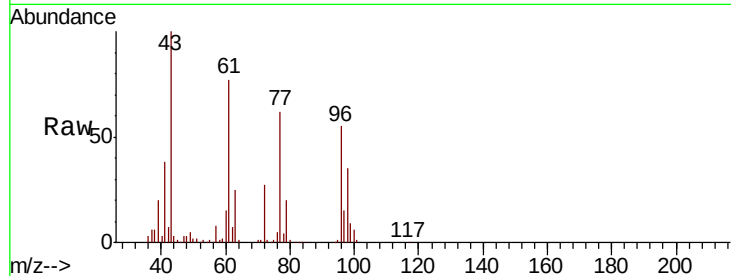
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	540616
Ion Ratio	Lower	Upper	
96	100		
61	143.0	0.0	291.0
98	63.5	0.0	130.0

Manual Integrations
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12/12/2018 11:33:05 AM



#28

Bromochloromethane

Concen: 47.742 ug/l

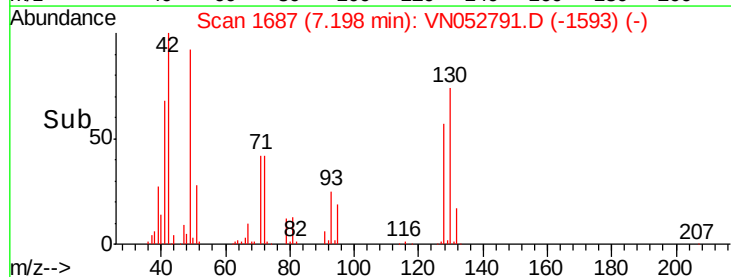
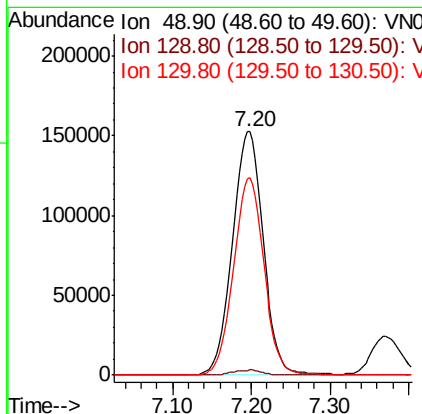
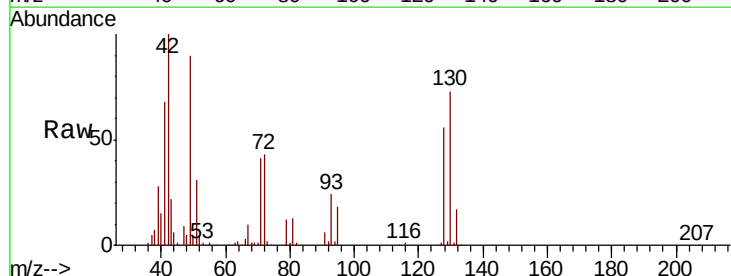
RT: 7.20 min Scan# 1687

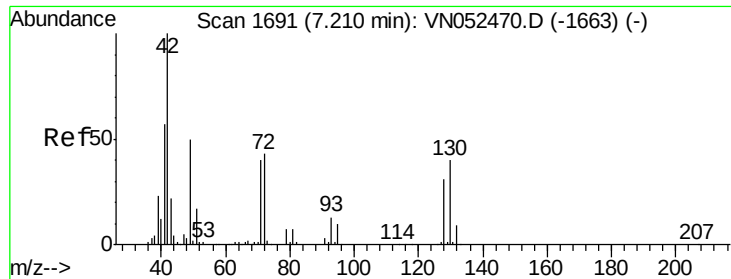
Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	49	Resp:	415967
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	80.1	60.2	90.2





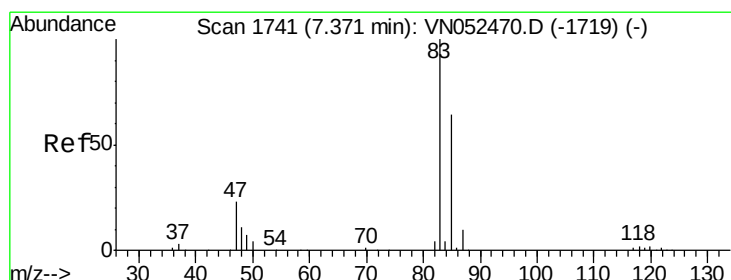
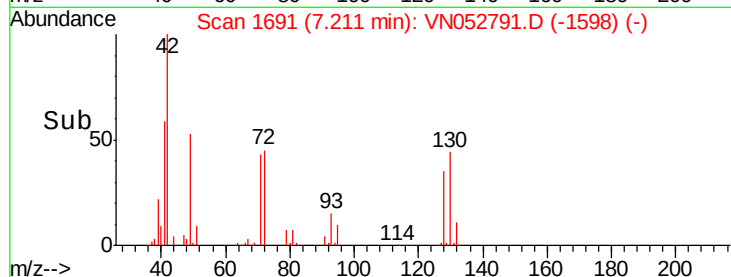
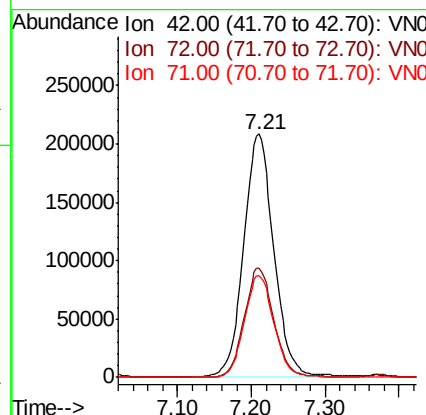
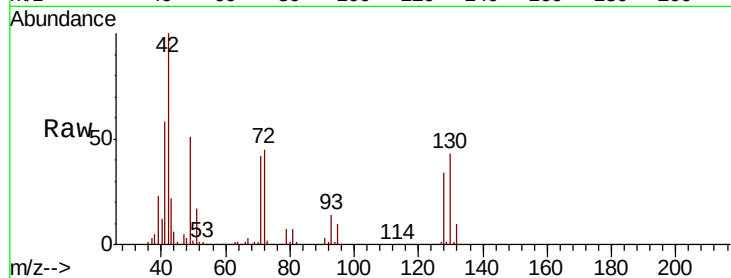
#29
Tetrahydrofuran
Concen: 228.996 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	33.3	49.9
71	41.2	32.0	48.0

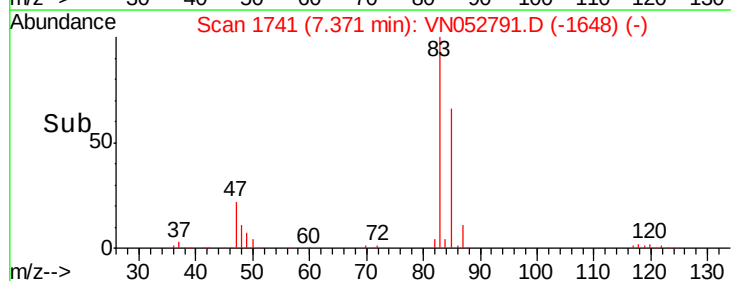
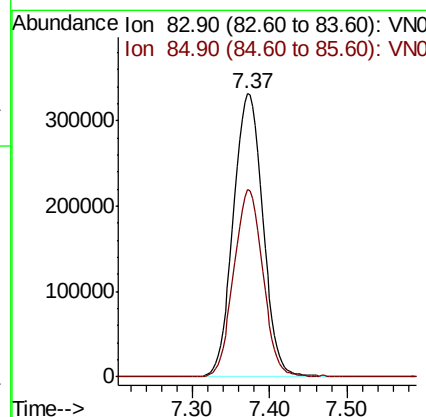
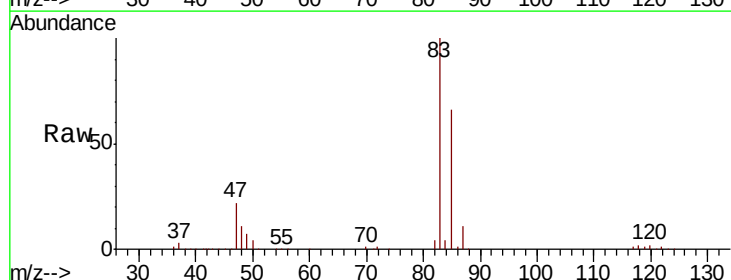
Manual Integrations
APPROVED

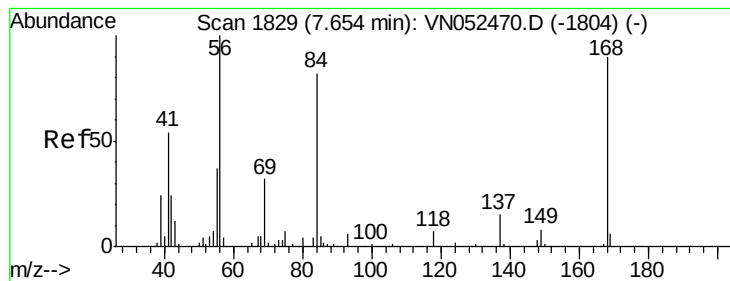
MMDadoda
12/12/2018 11:33:05 AM



#30
Chloroform
Concen: 46.350 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.0	76.4





#31

Cyclohexane

Concen: 42.320 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

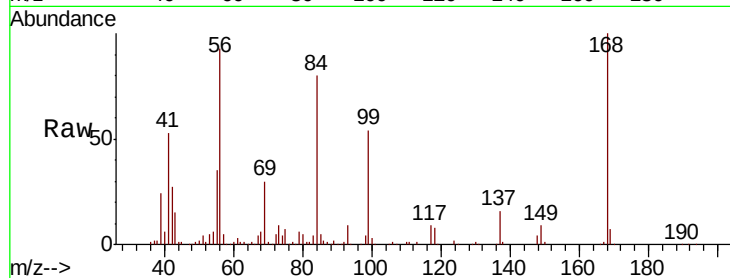
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	782413
Ion Ratio	Lower	Upper	
56	100		
69	32.5	25.8	38.6
84	84.3	65.3	97.9

Manual Integrations
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12/12/2018 11:33:05 AM

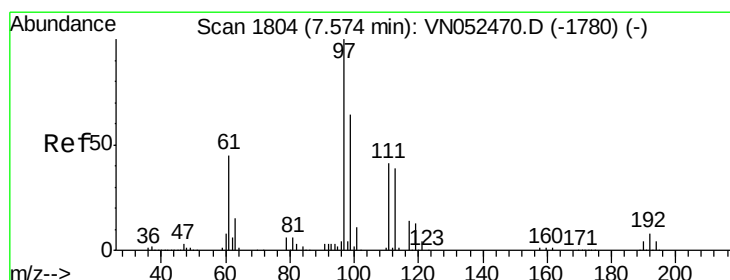
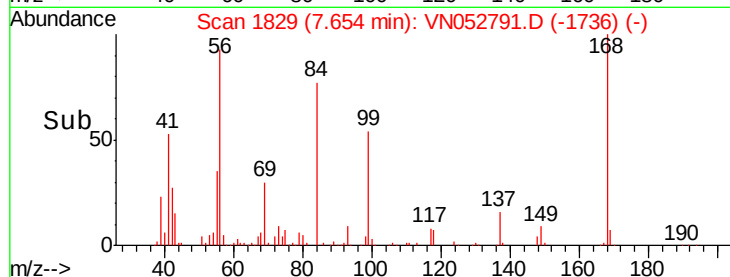
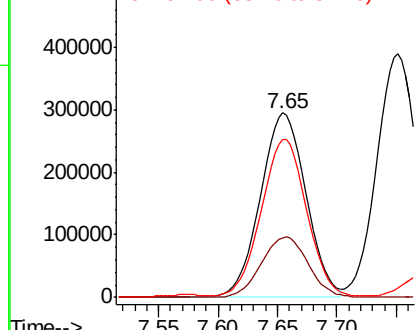


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.312 ug/l

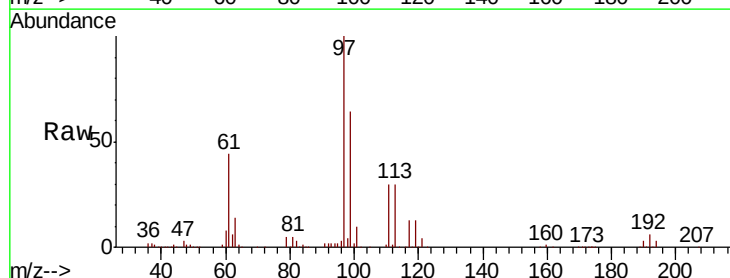
RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	97	Resp:	728500
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.7	77.5
61	43.8	36.8	55.2

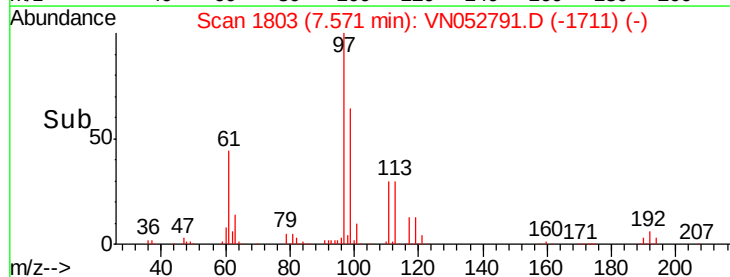
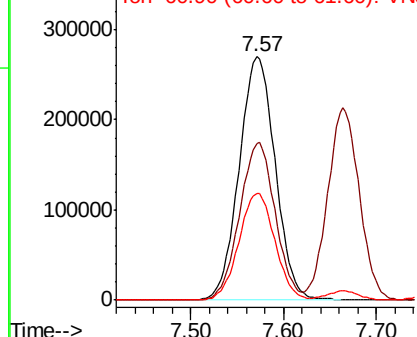


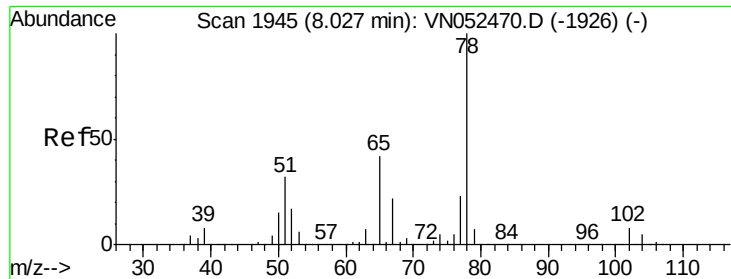
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





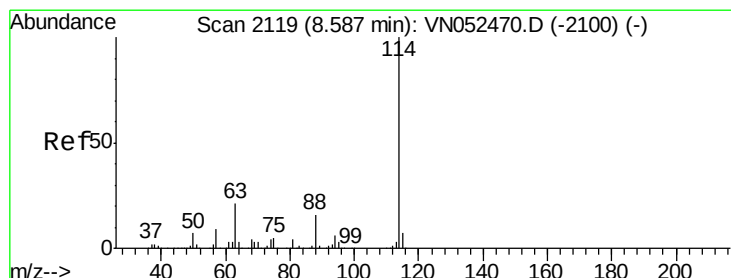
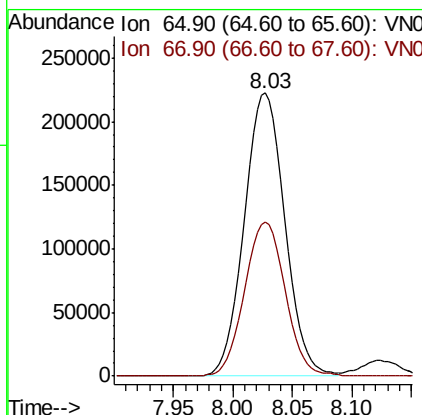
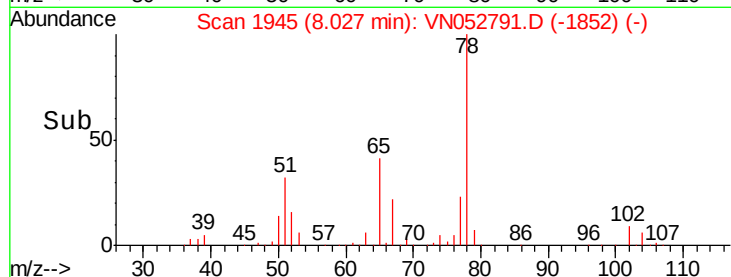
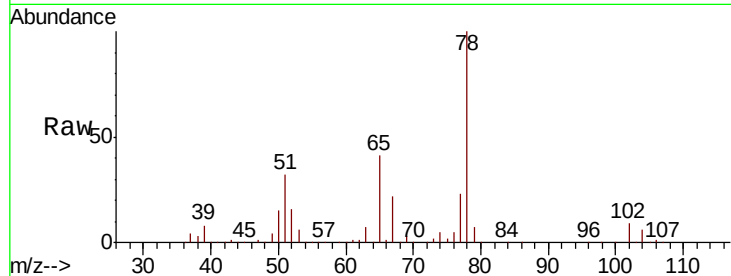
#33
 1,2-Dichloroethane-d4
 Concen: 48.312 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	525951		
67	54.9	0.0	109.8	

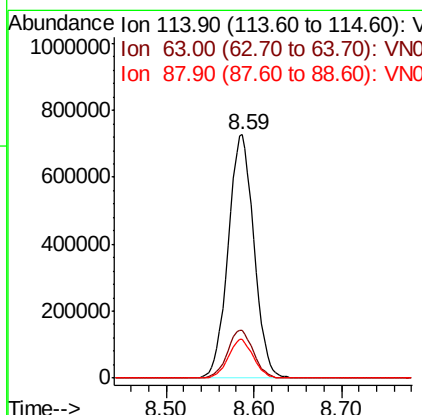
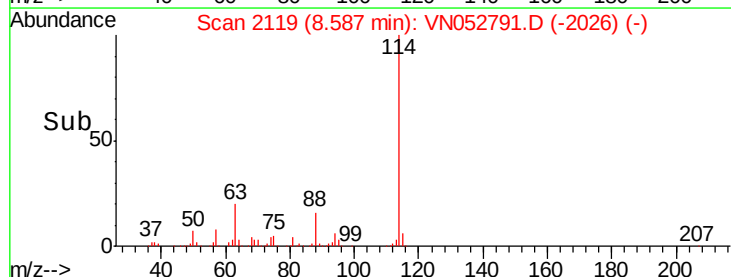
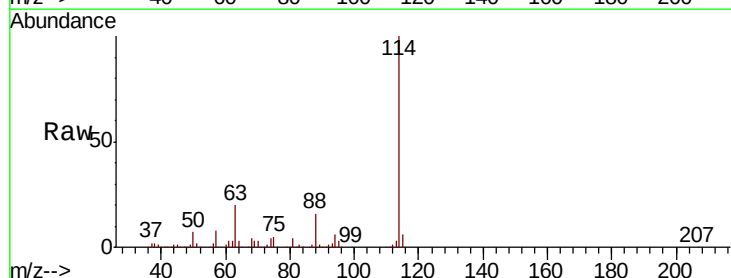
Manual Integrations
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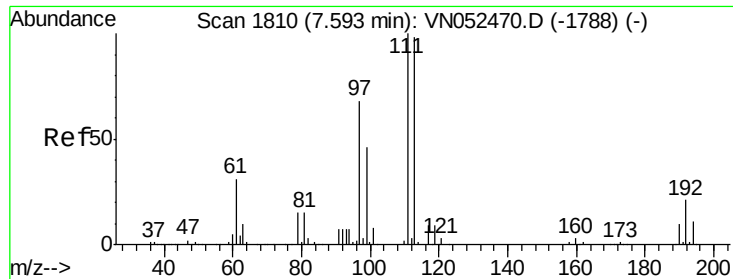
MMDadoda
 12/12/2018 11:33:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1487831		
63	19.5	0.0	41.8	
88	15.8	0.0	31.6	





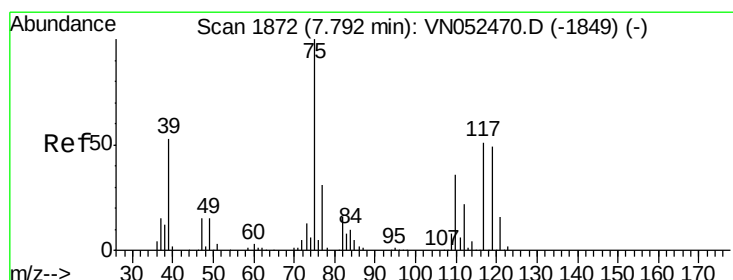
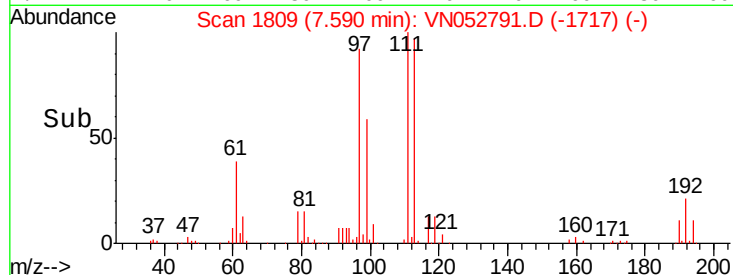
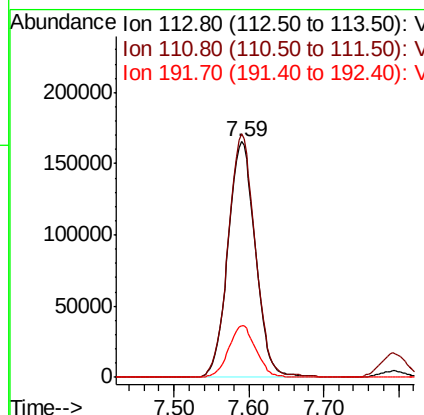
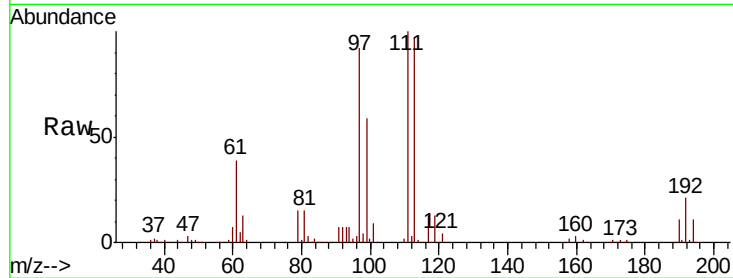
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	420477		
111	101.3	82.0	123.0	
192	21.8	17.0	25.6	

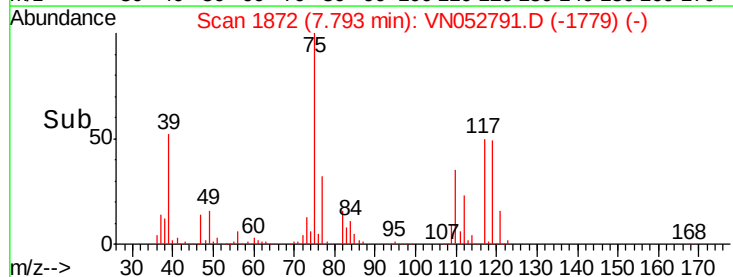
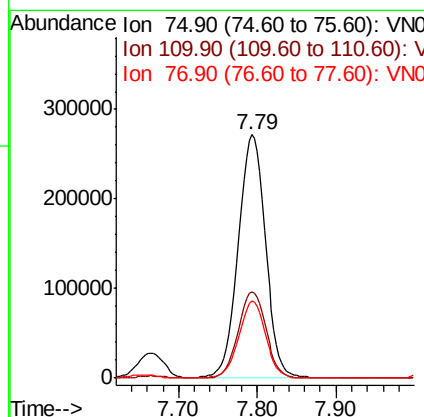
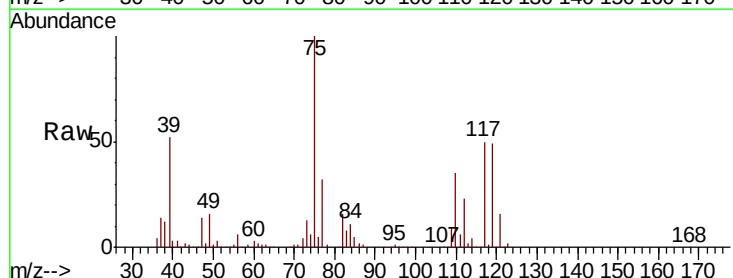
Manual Integrations
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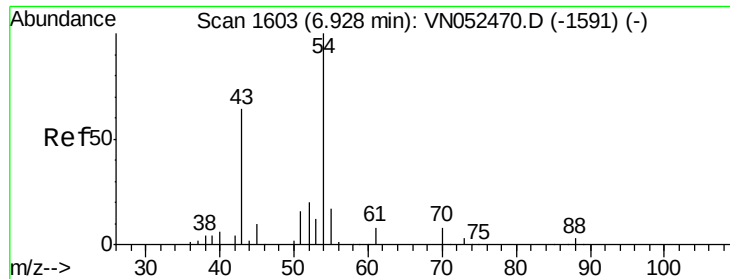
MMDadoda
 12/12/2018 11:33:05 AM



#36
 1,1-Dichloropropene
 Concen: 46.776 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	657208		
110	36.2	17.5	52.6	
77	31.3	24.5	36.7	





#37

Ethyl Acetate

Concen: 46.336 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

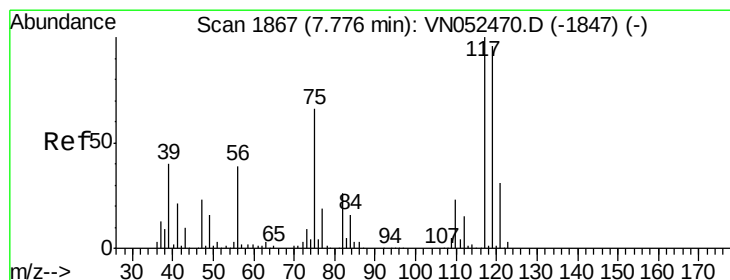
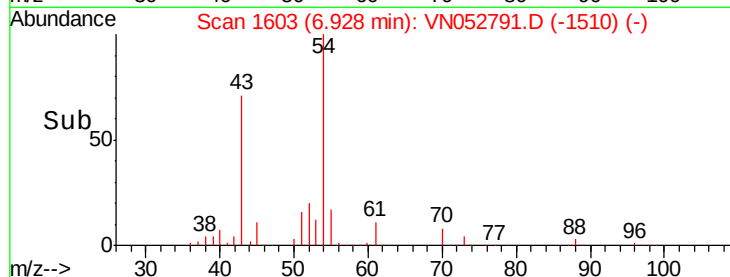
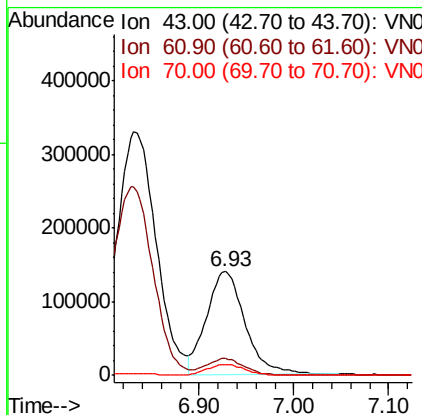
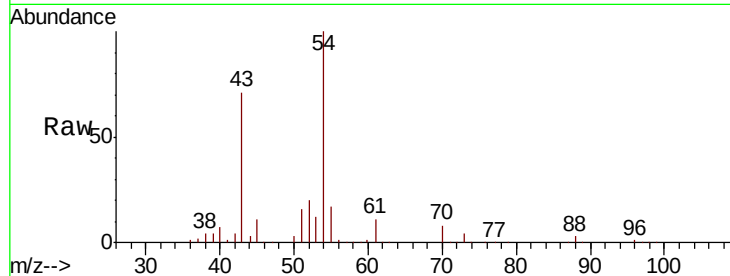
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	397312
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.8
70	10.3	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.574 ug/l

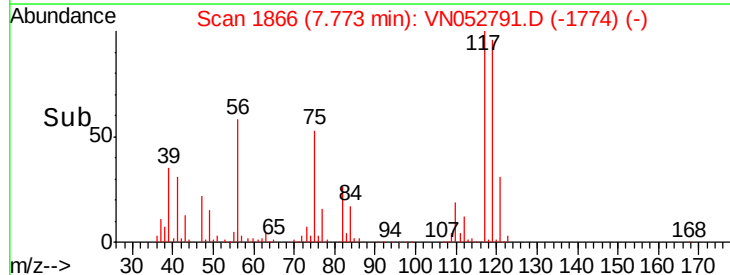
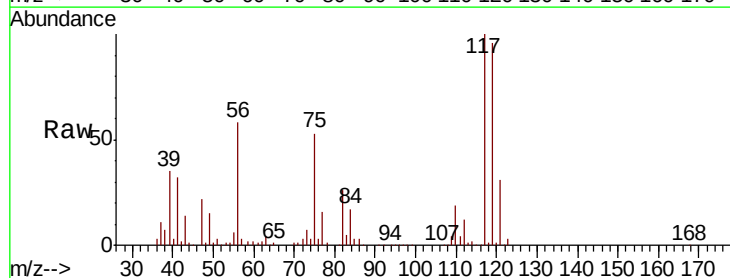
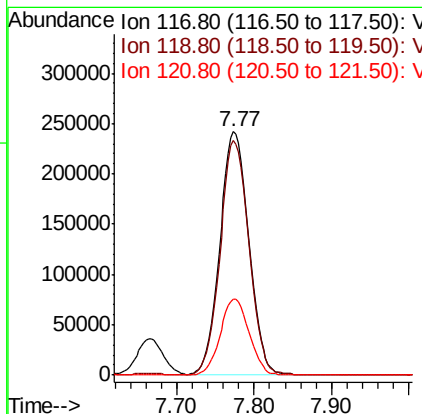
RT: 7.77 min Scan# 1866

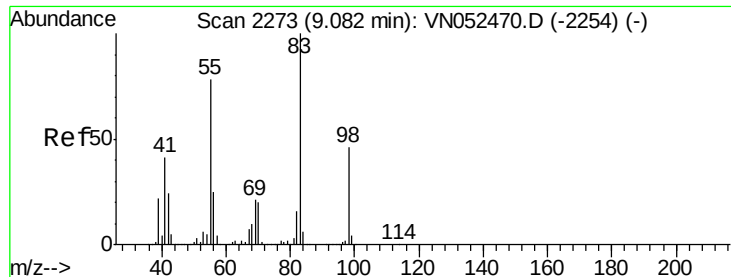
Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	117	Resp:	630533
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.8	115.2
121	31.1	24.9	37.3





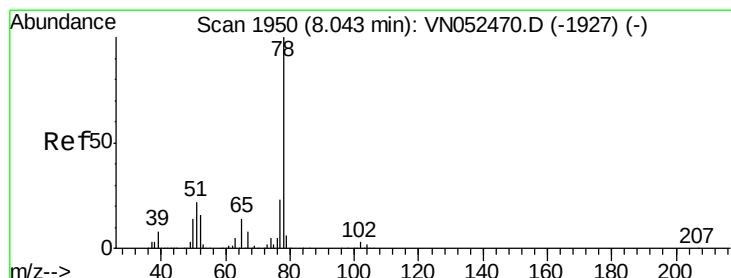
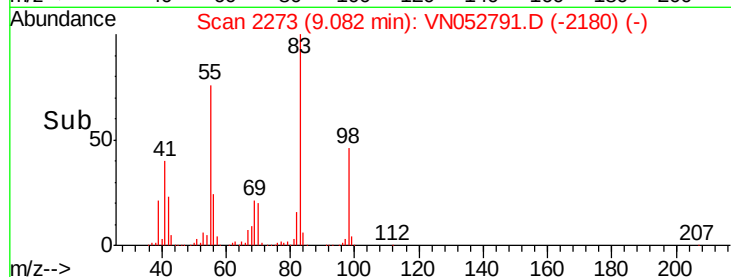
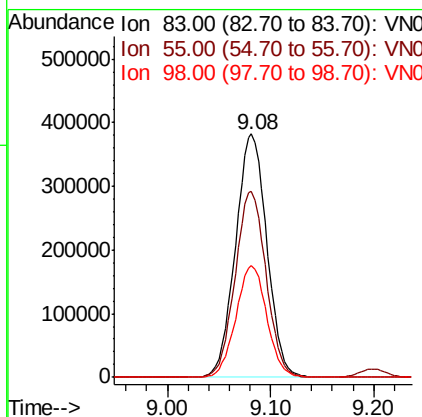
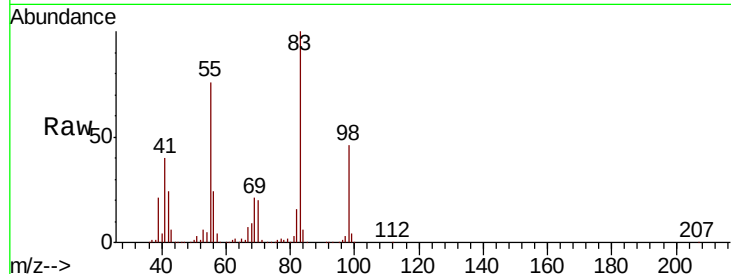
#39
Methylvlcyclohexane
Concen: 47.340 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.2	93.2
98	45.9	36.4	54.6

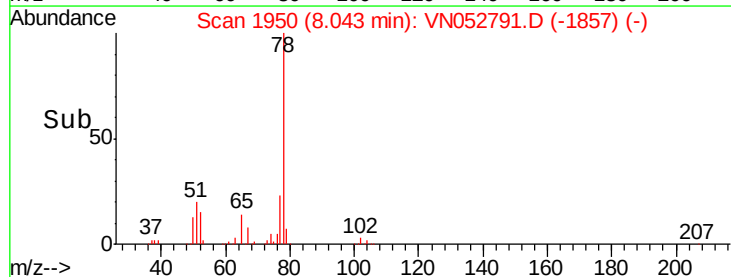
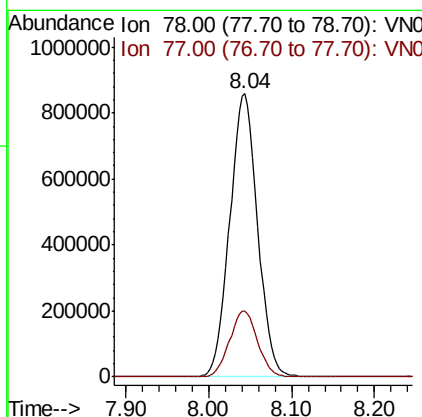
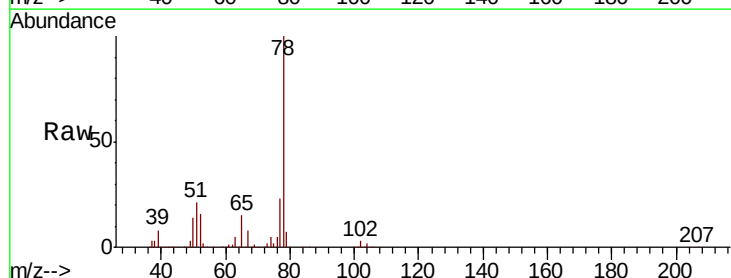
Manual Integrations
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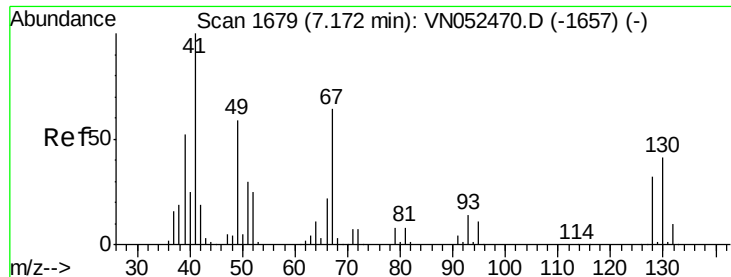
MMDadoda
12/12/2018 11:33:05 AM



#40
Benzene
Concen: 47.944 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





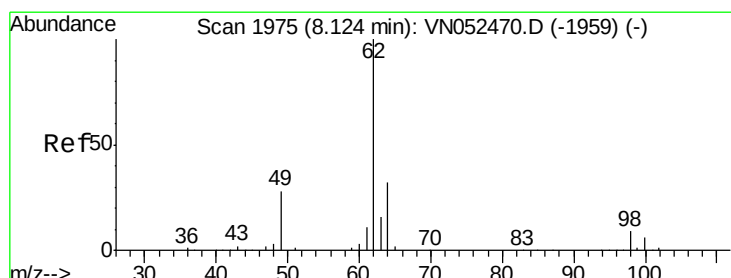
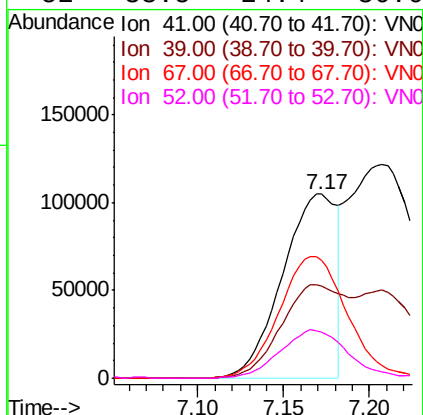
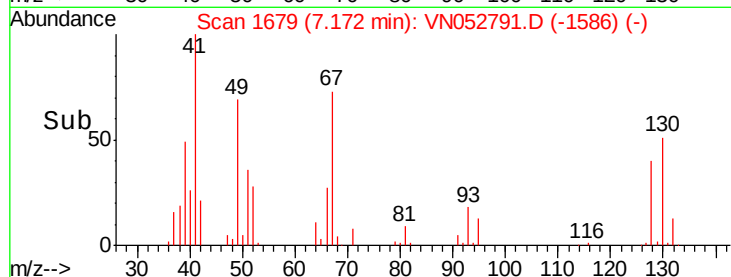
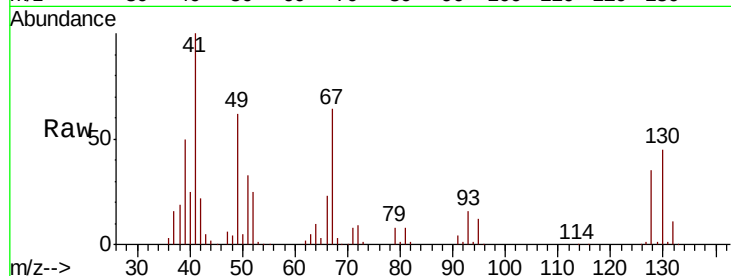
#41
Methacrylonitrile
Concen: 48.957 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.3	50.9	76.3	
67	83.7	63.6	95.4	
52	33.5	24.4	36.6	

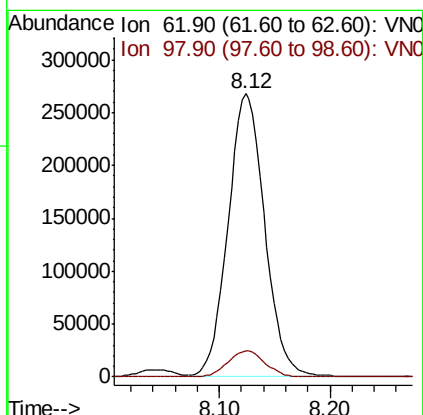
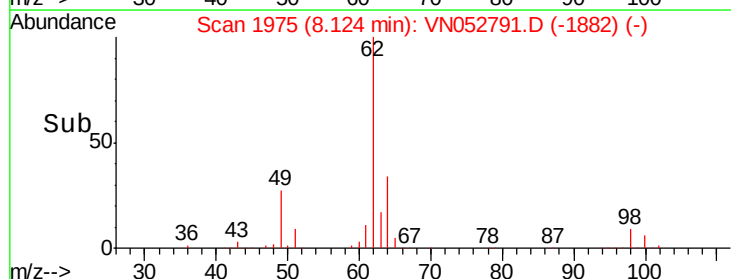
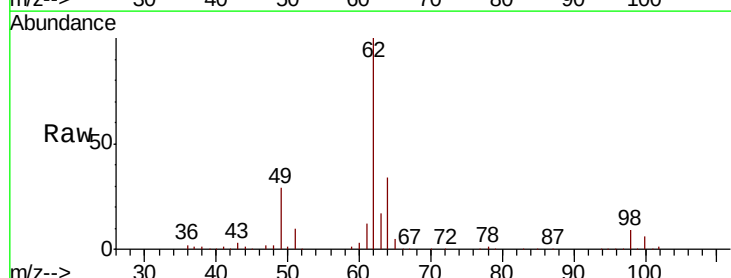
Manual Integrations
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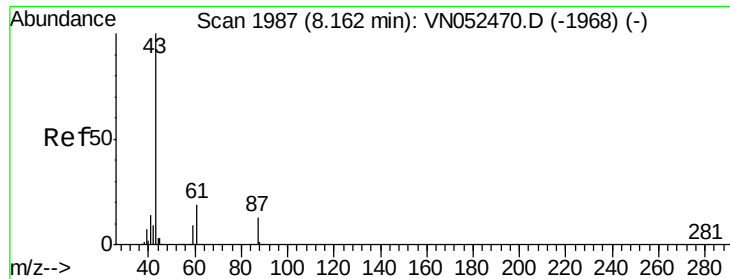
MMDadoda
12/12/2018 11:33:05 AM



#42
1,2-Dichloroethane
Concen: 48.308 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.6	





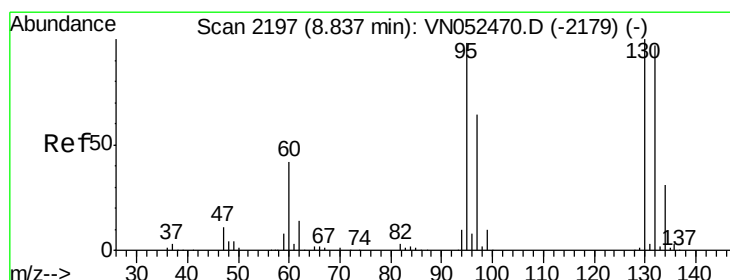
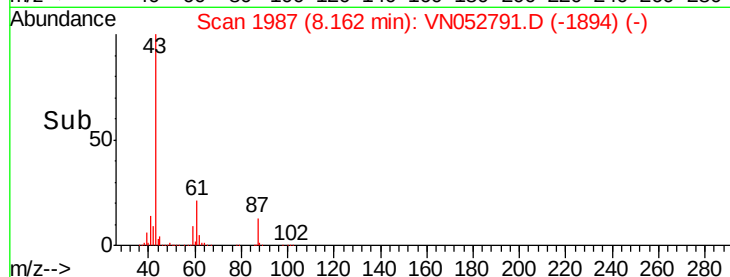
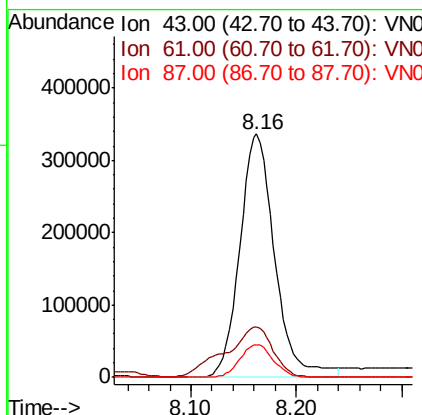
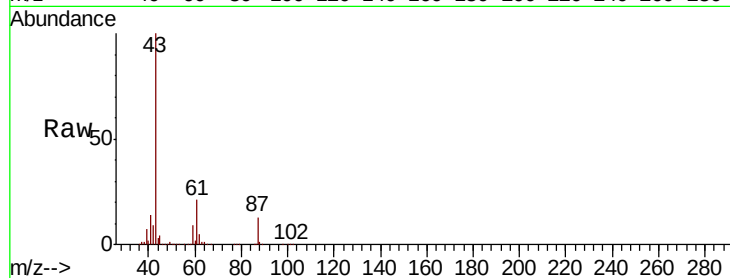
#43
Isopropyl Acetate
Concen: 53.147 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	24.1	36.1
87	12.9	10.6	15.8

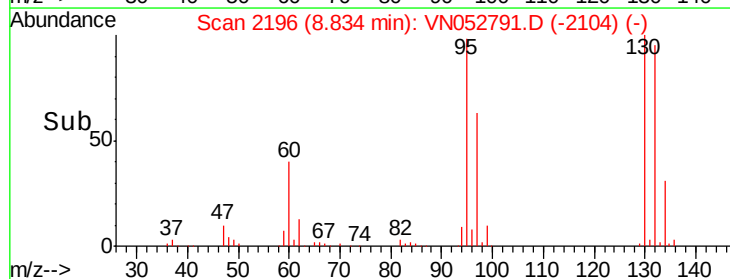
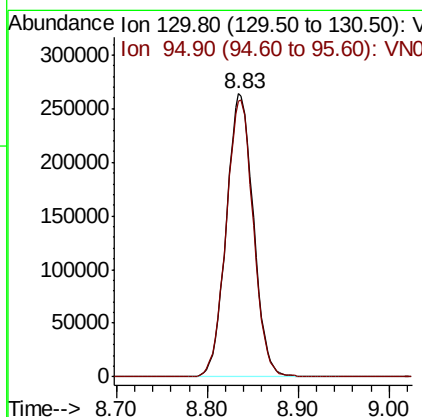
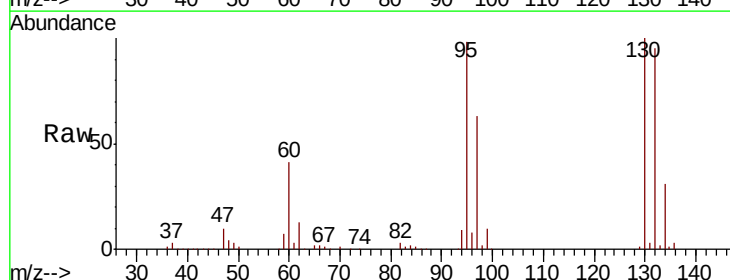
Manual Integrations
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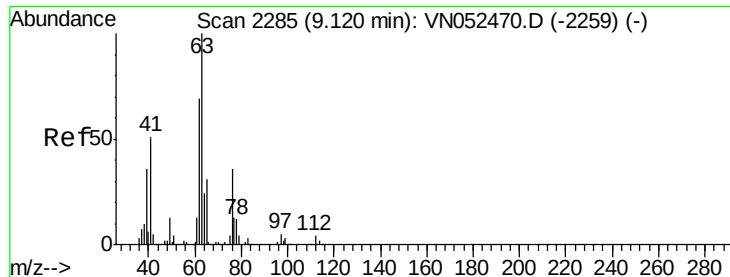
MMDadoda
12/12/2018 11:33:05 AM



#44
Trichloroethene
Concen: 50.748 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	195.6





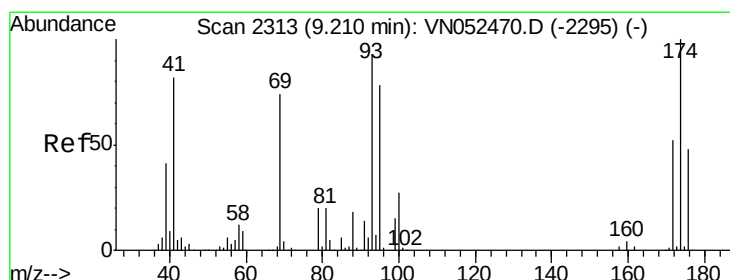
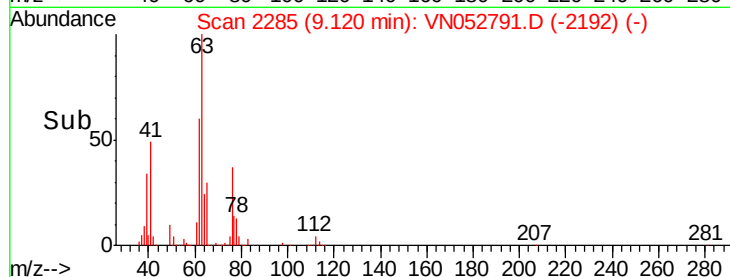
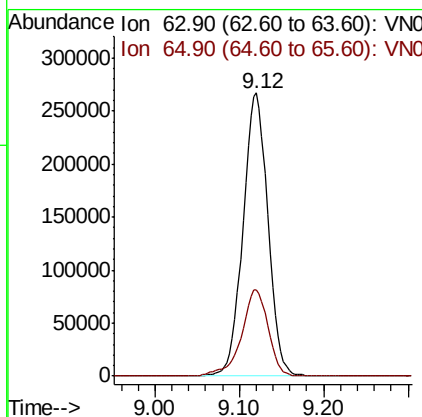
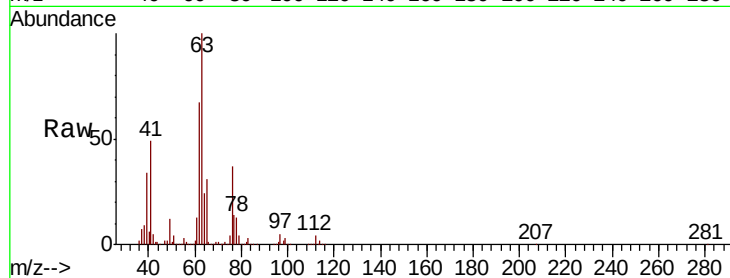
#45
 1,2-Dichloropropane
 Concen: 49.353 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 549400
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

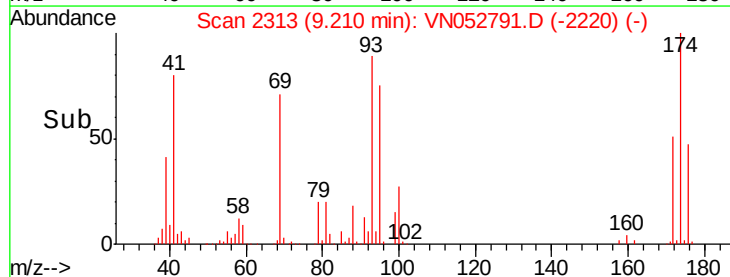
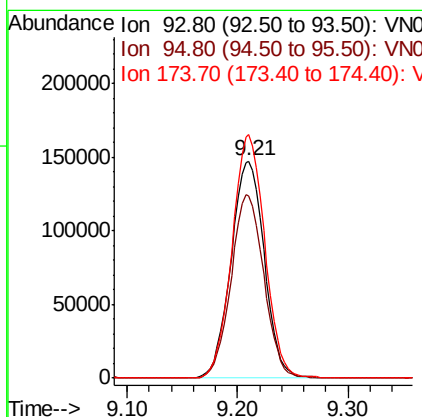
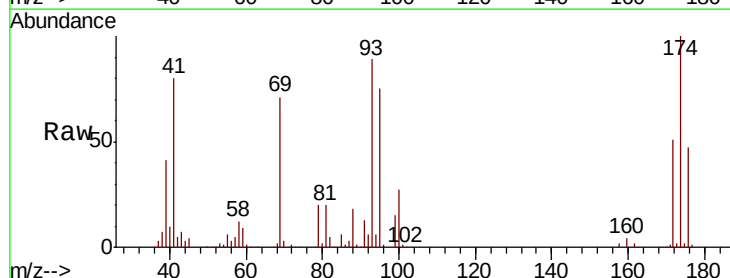
Manual Integrations
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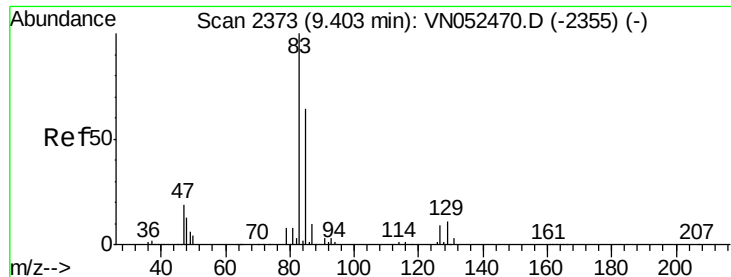
MMDadoda
 12/12/2018 11:33:05 AM



#46
 Dibromomethane
 Concen: 49.986 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion: 93 Resp: 308041
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.1 100.7
 174 110.1 85.8 128.8





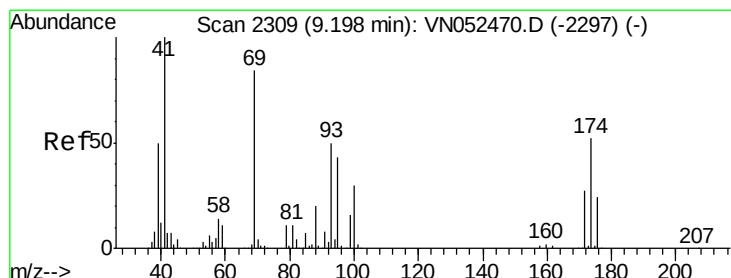
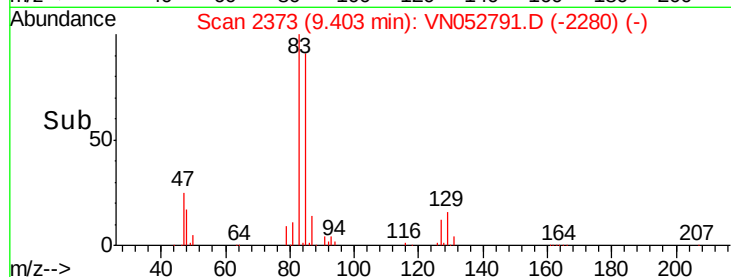
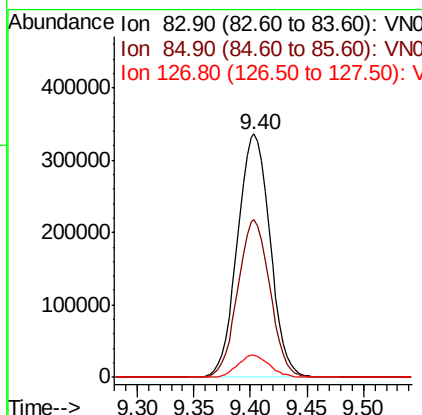
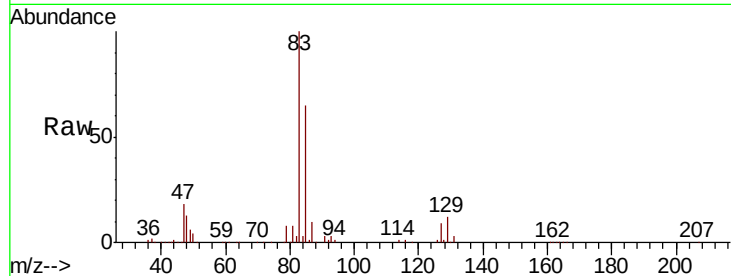
#47
Bromodichloromethane
Concen: 50.535 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	677096		
85	65.0		51.3	76.9
127	8.9		6.9	10.3

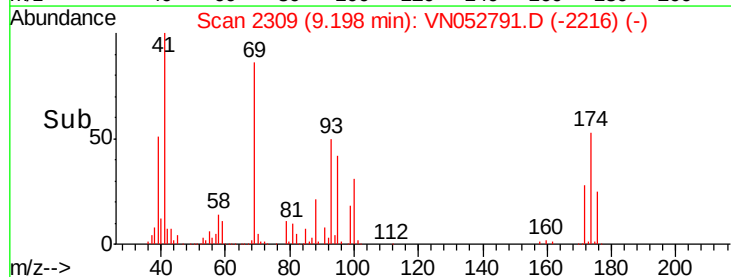
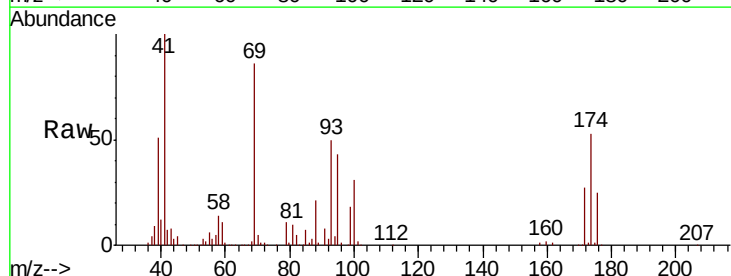
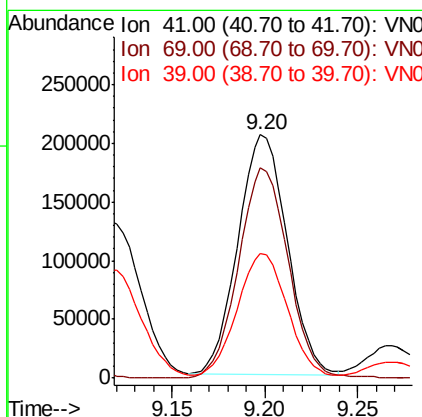
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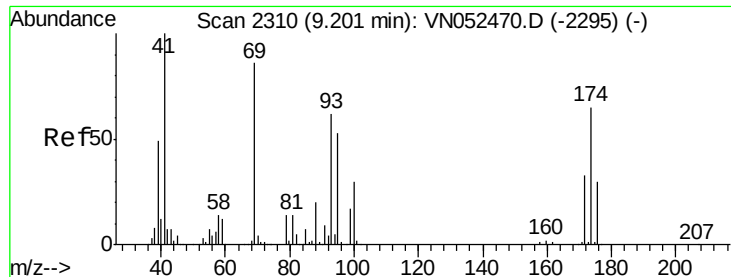
MMDadoda
12/12/2018 11:33:05 AM



#48
Methyl methacrylate
Concen: 49.683 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	375920		
69	89.0		70.0	105.0
39	53.6		42.6	64.0





#49

1,4-Dioxane

Concen: 1117.428 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

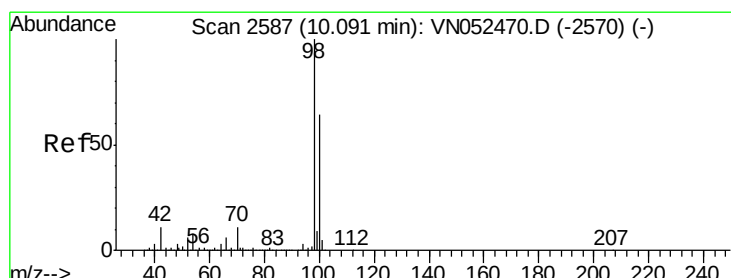
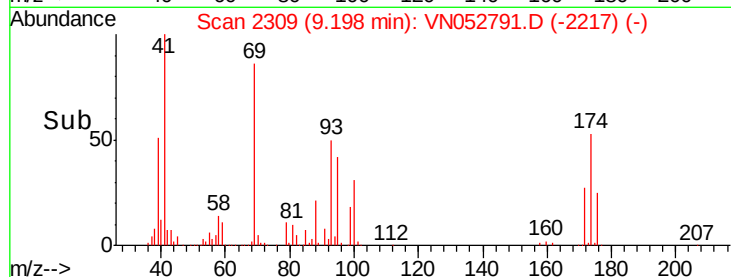
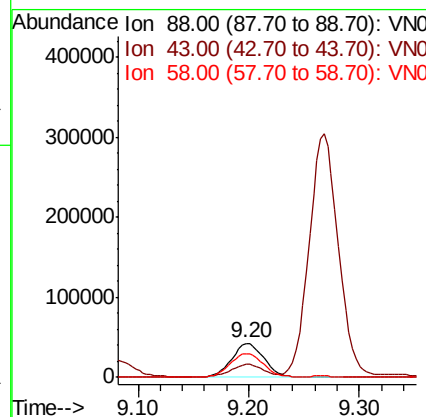
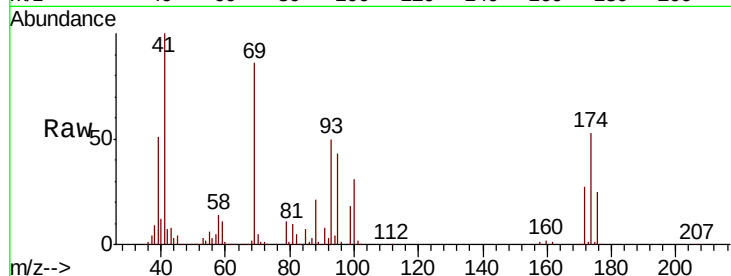
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	87747
Ion Ratio	Lower	Upper	
88	100		
43	34.3	26.4	39.6
58	72.1	55.4	83.0

Manual Integrations
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#50

Toluene-d8

Concen: 1117.428 ug/l

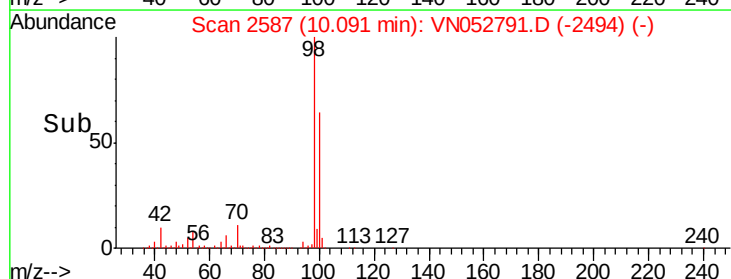
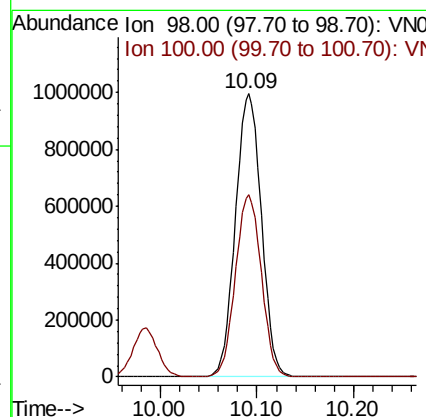
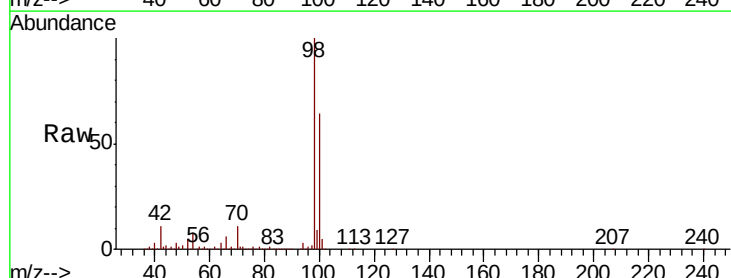
RT: 10.09 min Scan# 2587

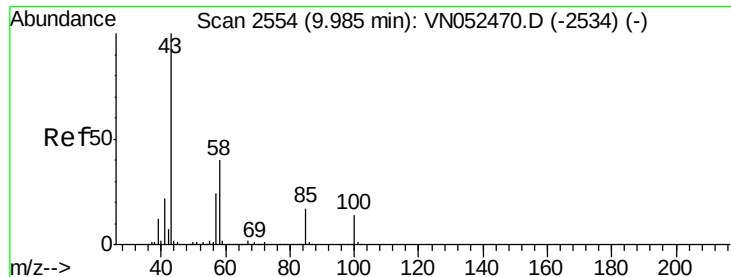
Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	98	Resp:	1854264
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.3	76.9





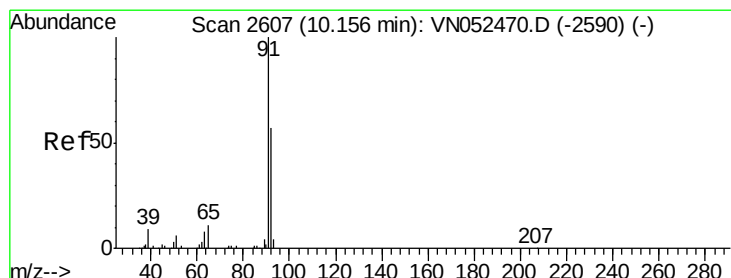
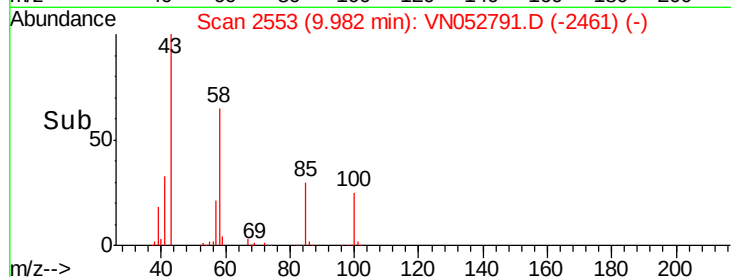
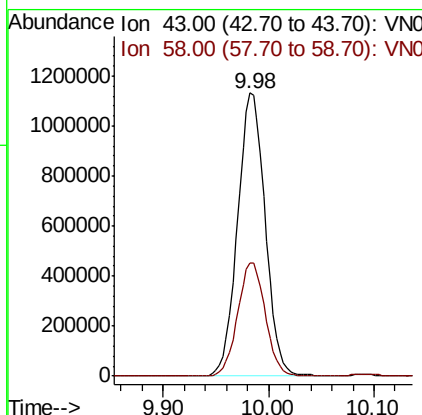
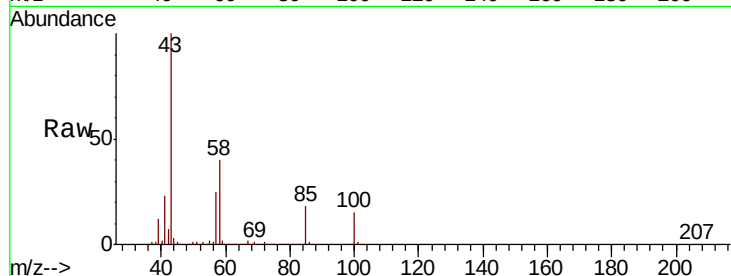
#51
4-Methyl-2-Pentanone
Concen: 251.882 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2050720
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3

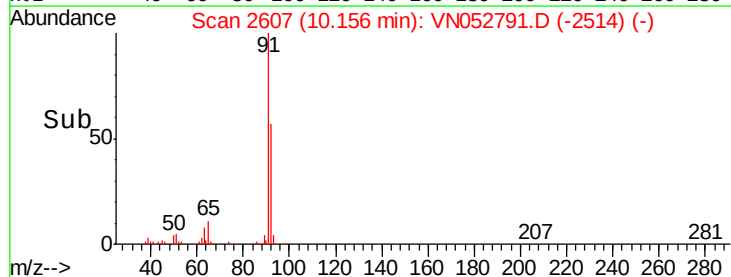
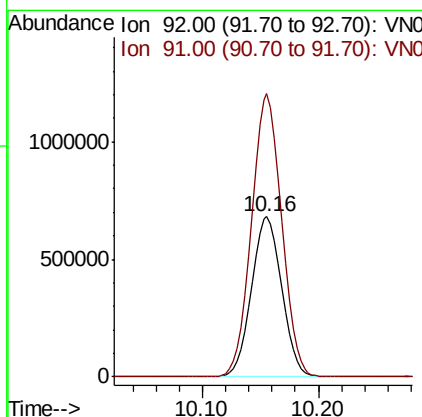
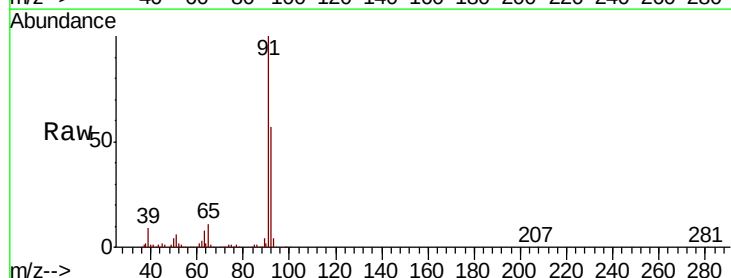
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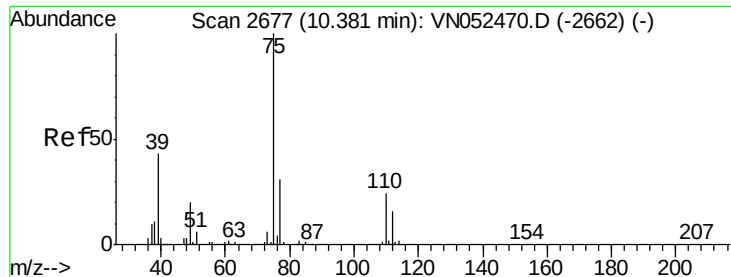
MMDadoda
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#52
Toluene
Concen: 49.975 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion: 92 Resp: 1243262
Ion Ratio Lower Upper
92 100
91 176.0 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 52.864 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 681398

Ion Ratio Lower Upper

75 100

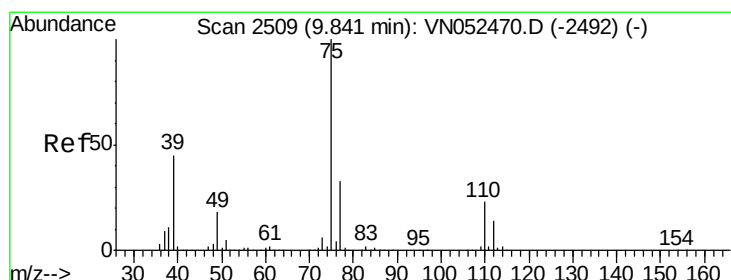
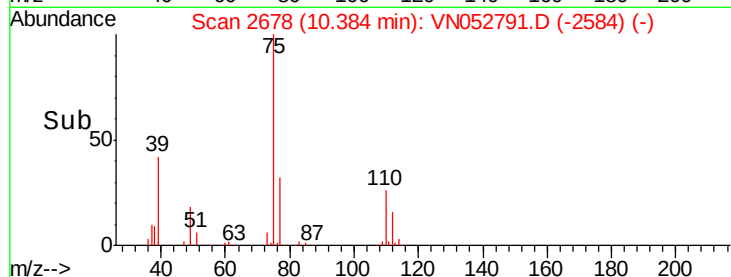
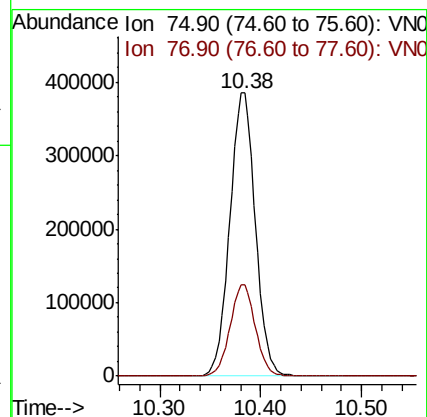
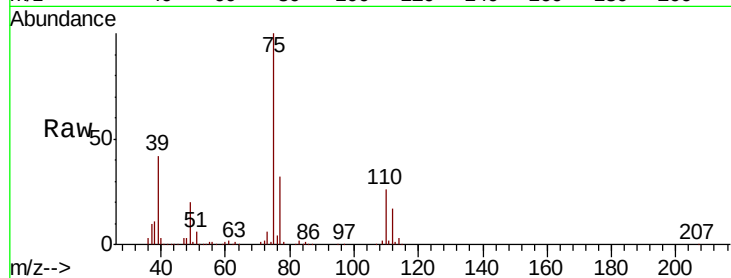
77 32.0 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.549 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

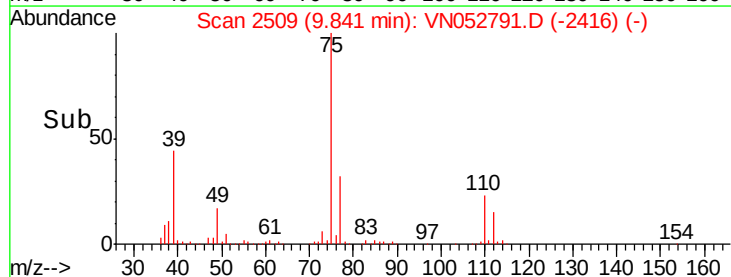
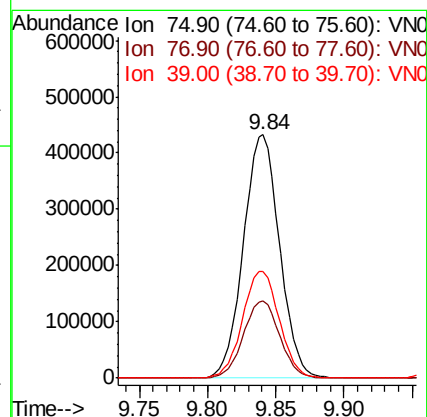
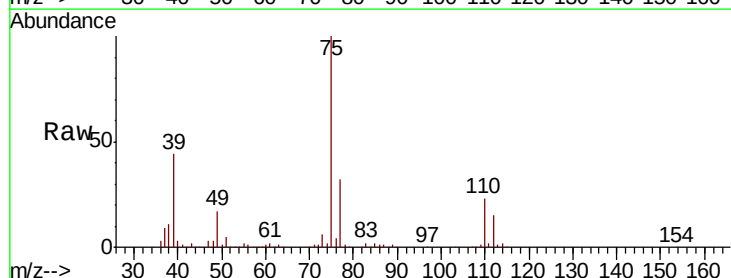
Tgt Ion: 75 Resp: 796251

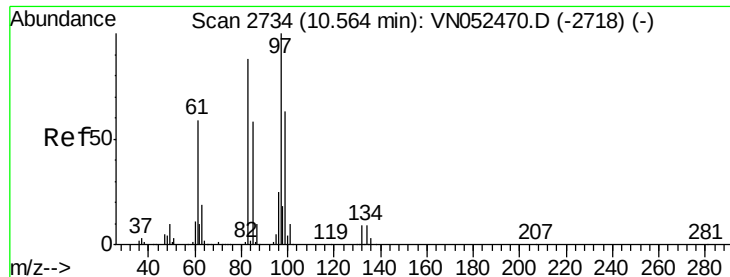
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

39 44.0 36.0 54.0





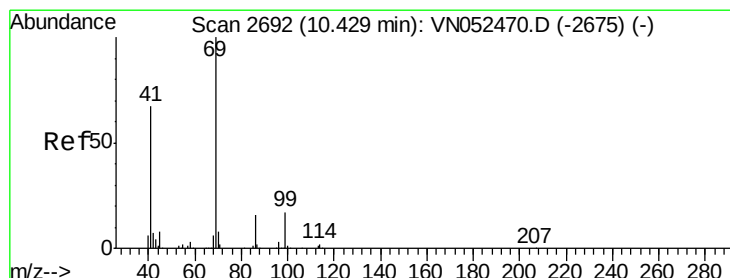
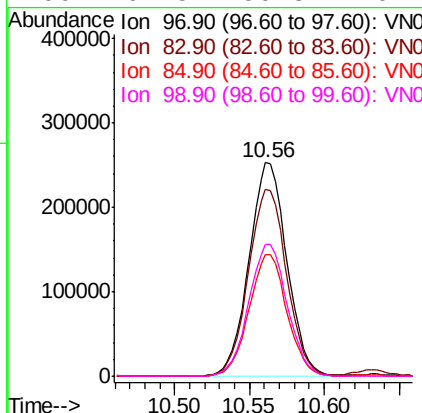
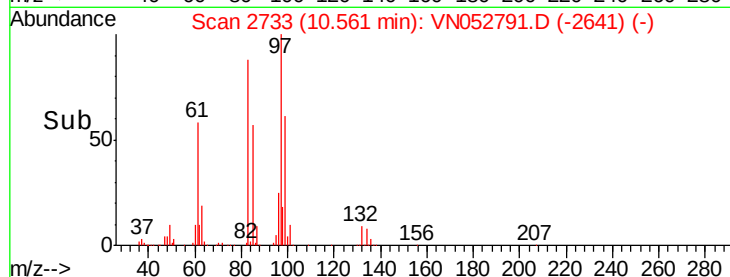
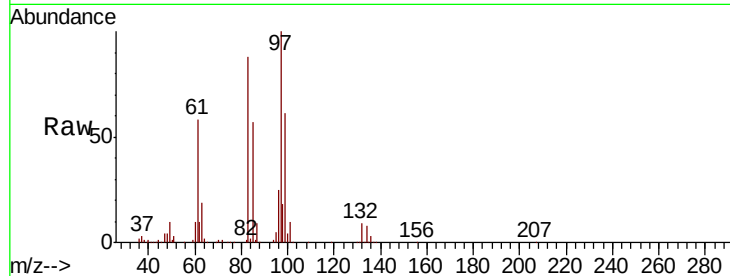
#55
 1,1,2-Trichloroethane
 Concen: 50.856 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		445032		
83	87.7	70.7	106.1		
85	57.2	46.1	69.1		
99	61.5	50.8	76.2		

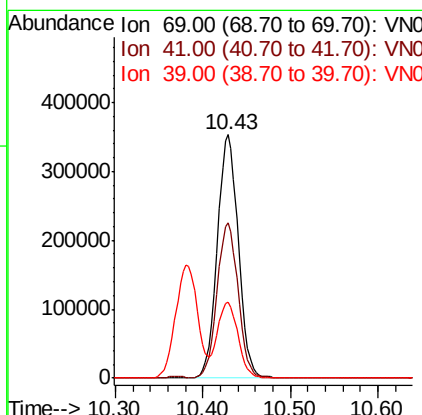
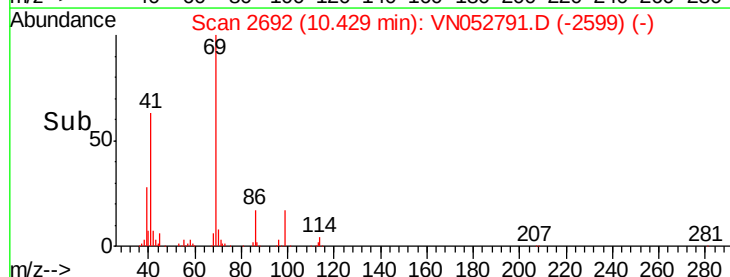
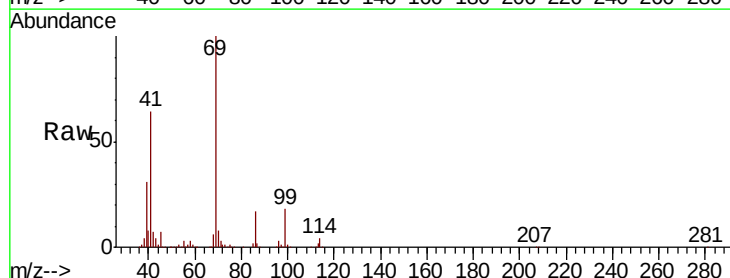
Manual Integrations
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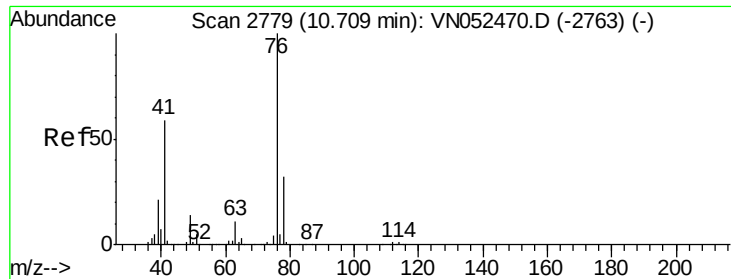
MMDadoda
 12/12/2018 11:33:05 AM



#56
 Ethyl methacrylate
 Concen: 48.607 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		589680		
41	63.3	52.6	79.0		
39	30.8	25.9	38.9		





#57

1,3-Dichloropropane

Concen: 50.241 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 776295

Ion Ratio Lower Upper

76 100

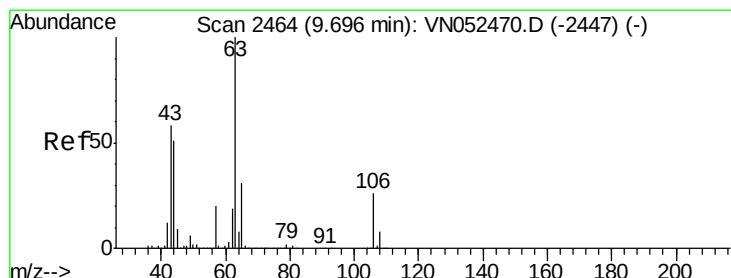
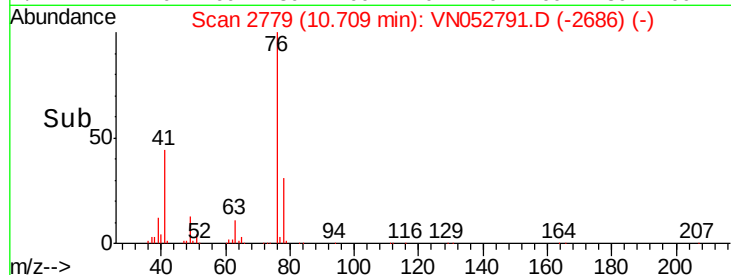
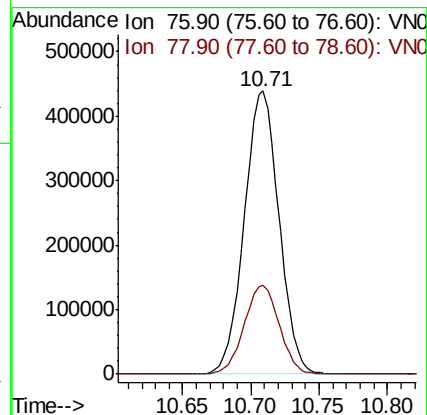
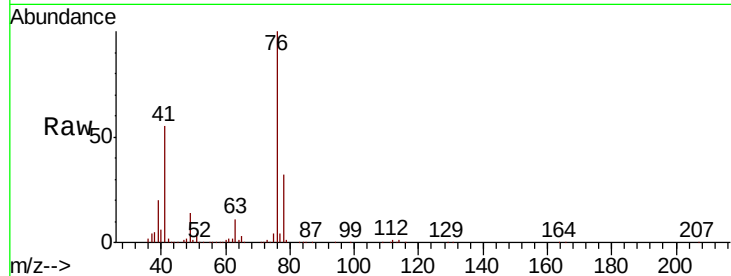
78 31.9 25.6 38.4

Manual Integrations

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12/12/2018 11:33:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 257.186 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052791.D

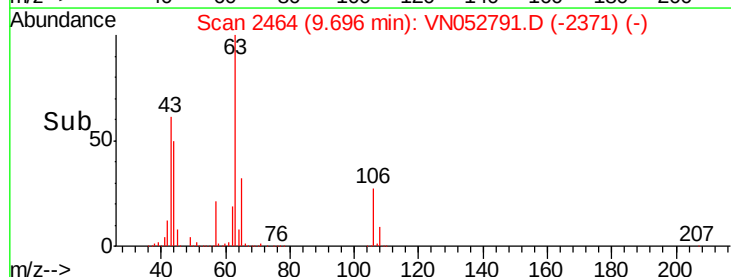
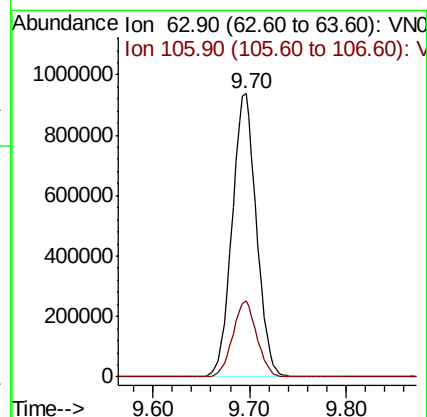
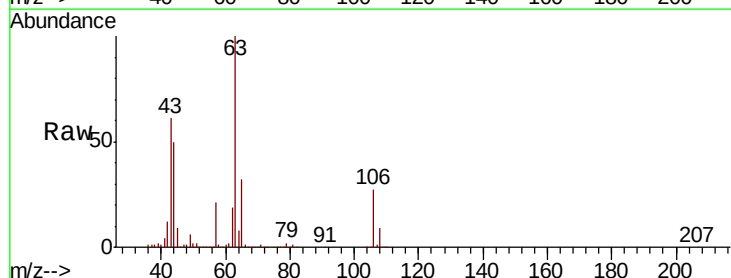
Acq: 11 Dec 2018 9:43

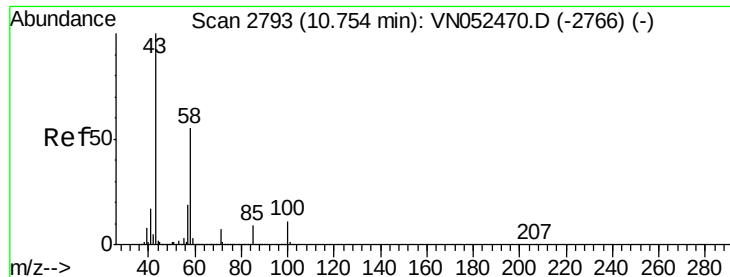
Tgt Ion: 63 Resp: 1633091

Ion Ratio Lower Upper

63 100

106 26.5 20.6 30.8





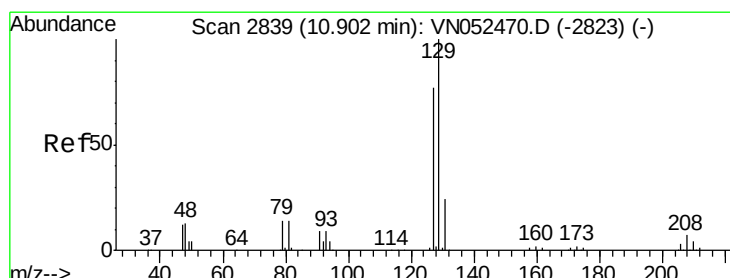
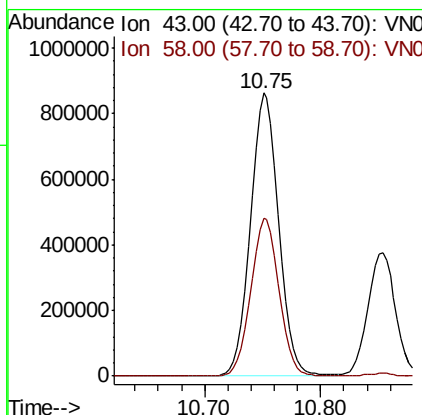
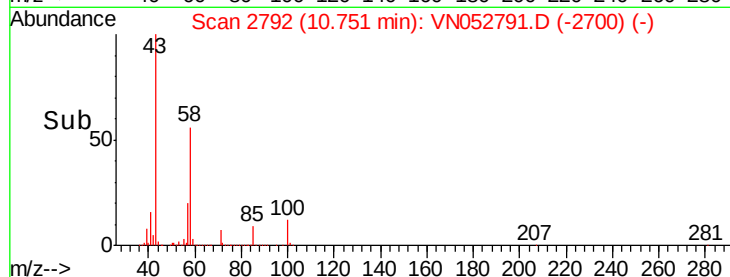
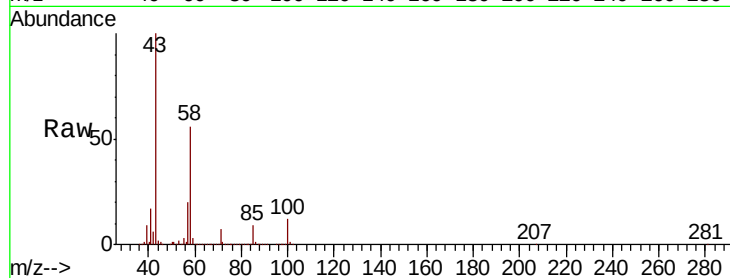
#59
2-Hexanone
Concen: 267.867 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1463691
Ion Ratio Lower Upper
43 100
58 56.0 27.4 82.0

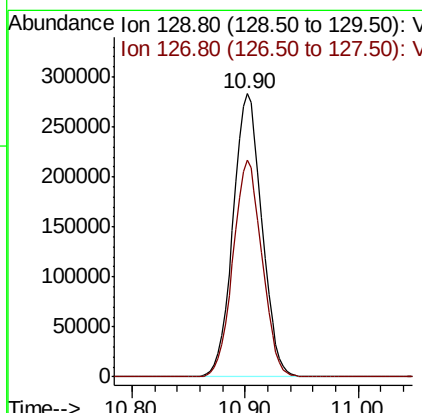
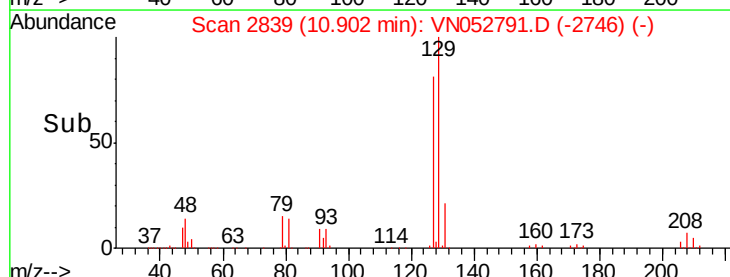
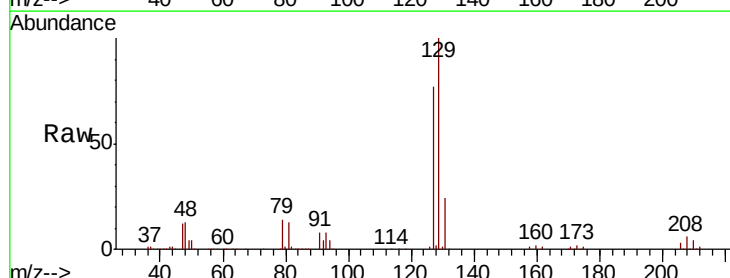
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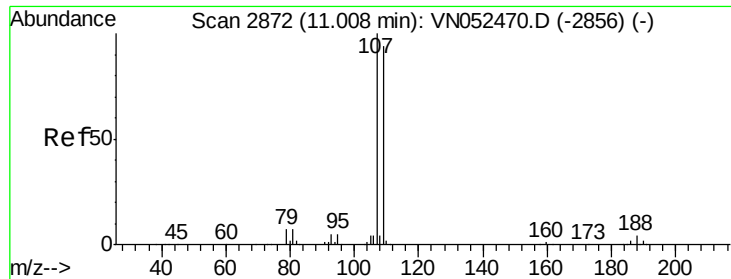
MMDadoda
12/12/2018 11:33:05 AM



#60
Dibromochloromethane
Concen: 52.872 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion: 129 Resp: 502517
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





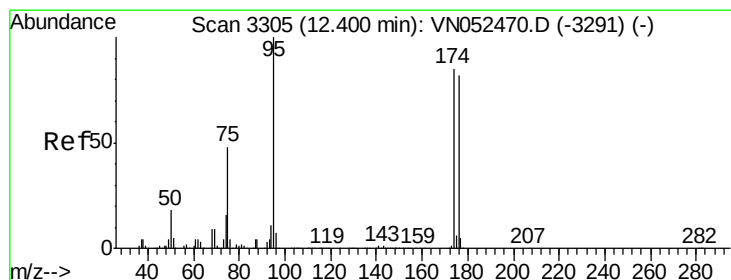
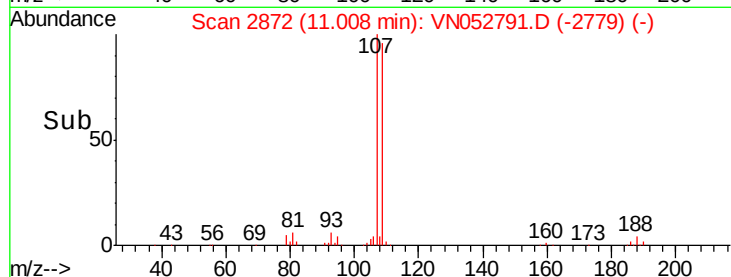
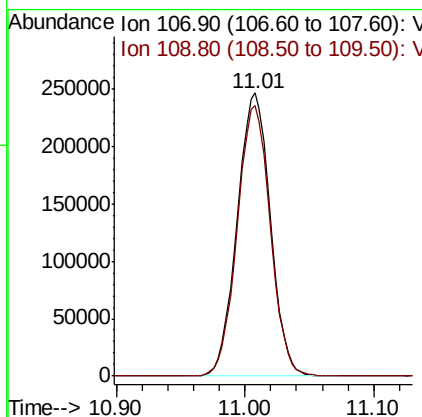
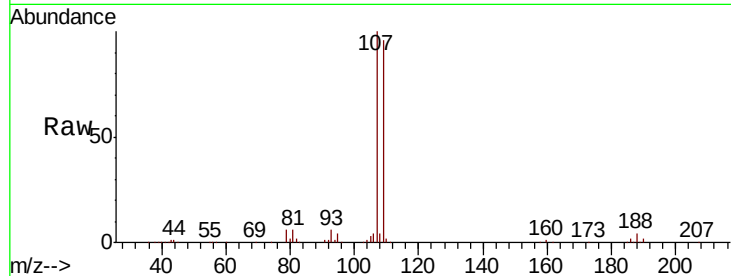
#61
 1,2-Dibromoethane
 Concen: 50.693 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.6	113.4

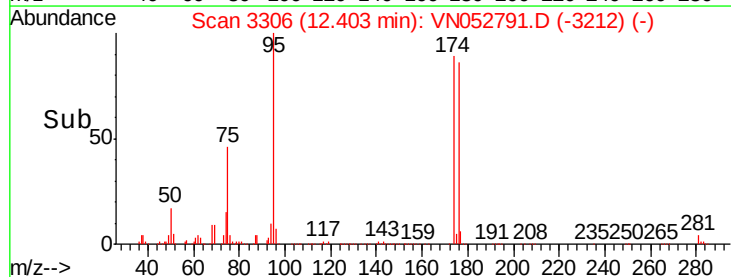
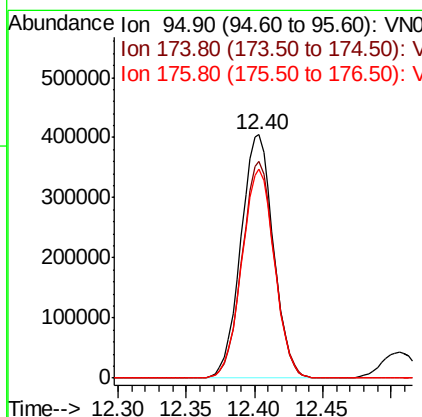
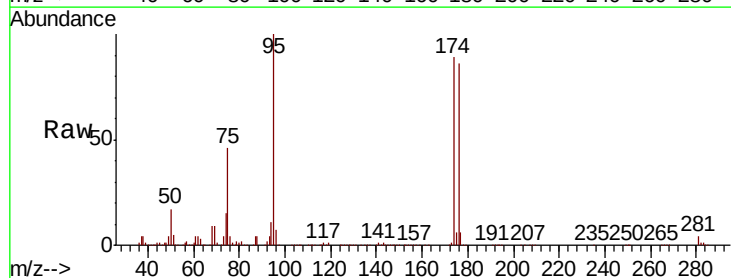
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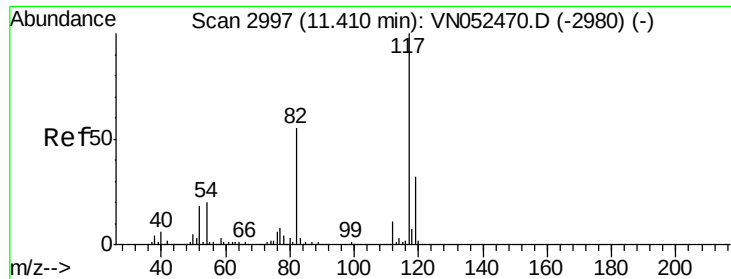
MMDadoda
 12/12/2018 11:33:05 AM



#62
 4-Bromofluorobenzene
 Concen: 50.693 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	173.0
176	86.0	0.0	166.2





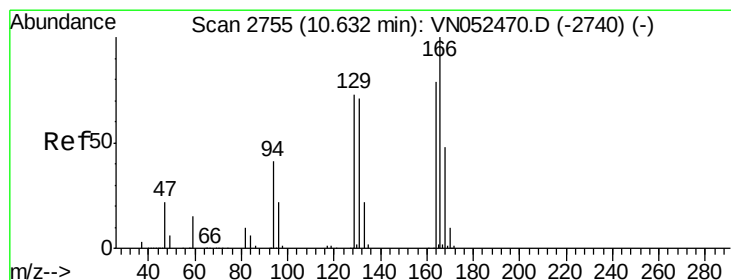
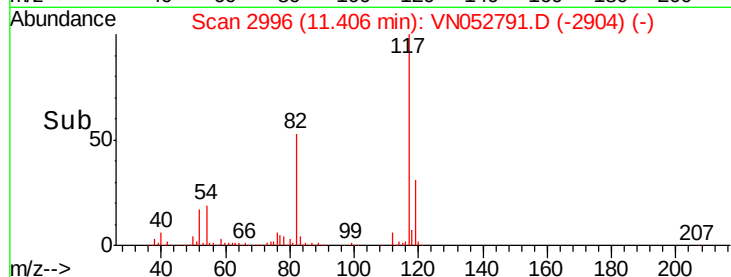
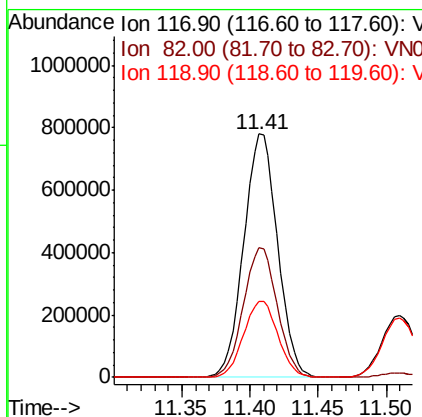
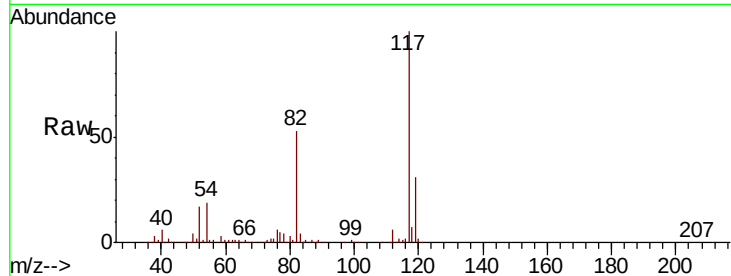
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.6	65.4
119	31.3	25.4	38.2

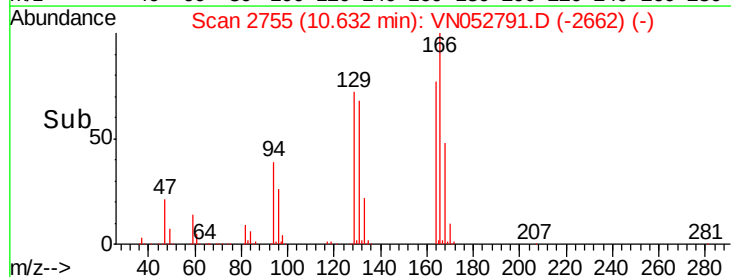
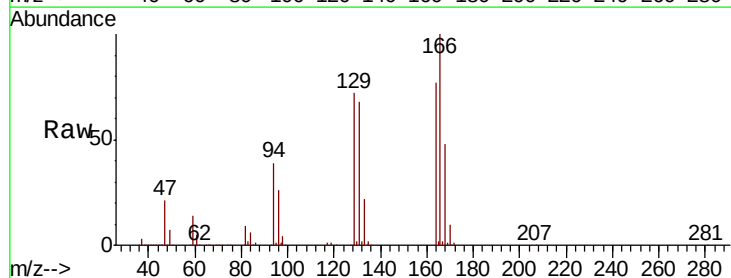
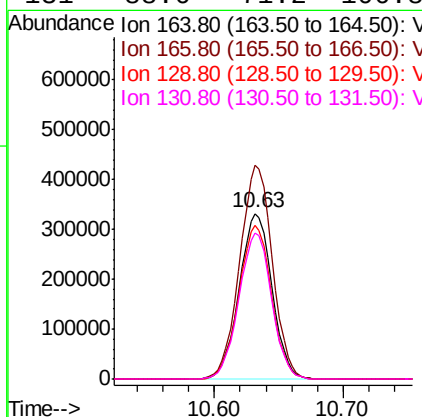
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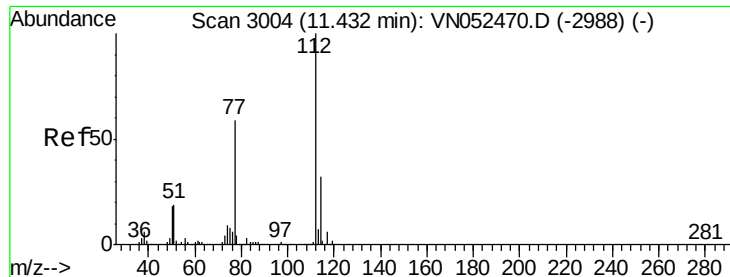
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#64
Tetrachloroethene
Concen: 56.322 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.0	151.4
129	92.9	73.8	110.6
131	88.6	71.2	106.8





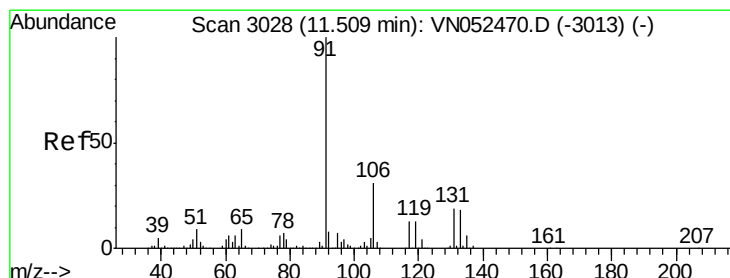
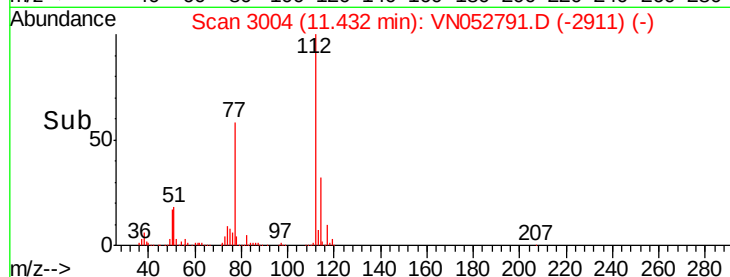
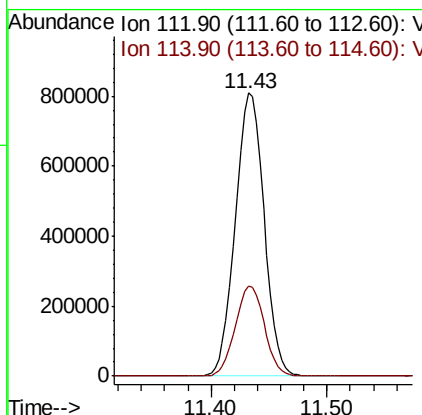
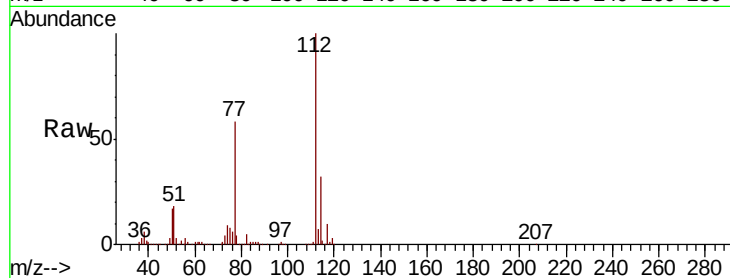
#65
Chlorobenzene
Concen: 50.284 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1389934
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

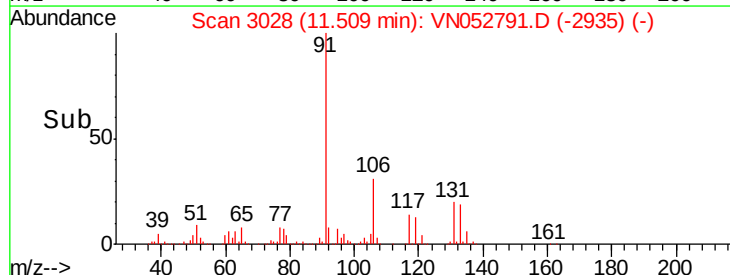
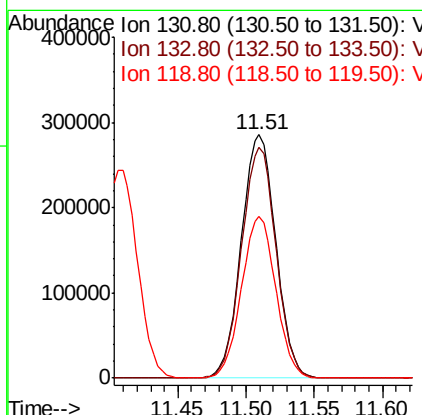
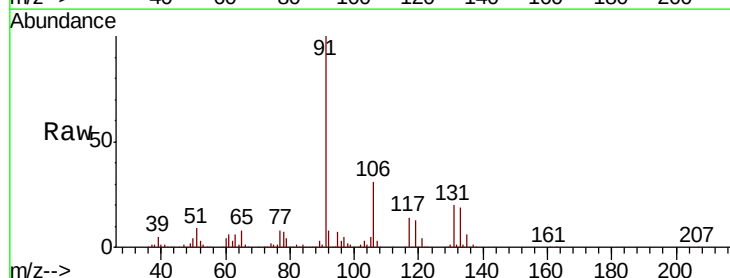
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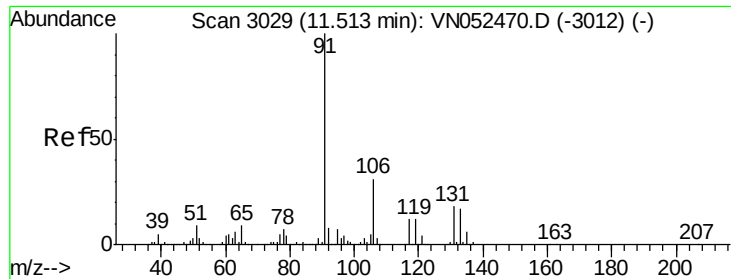
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.224 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion:131 Resp: 501935
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 65.9 33.2 99.6





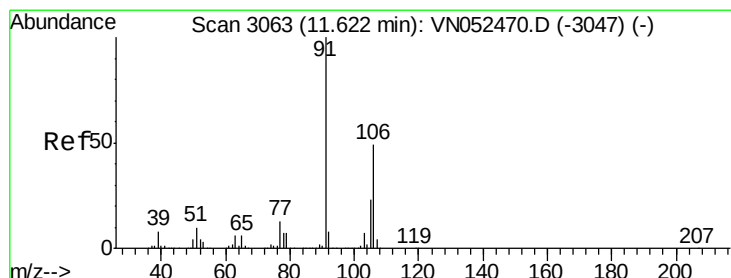
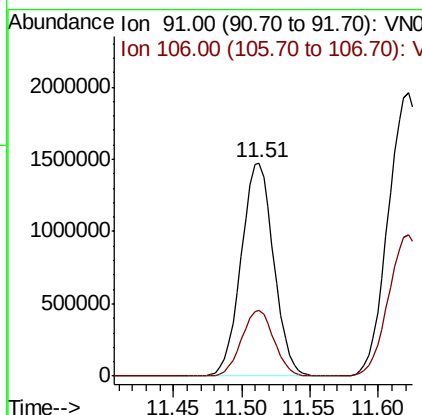
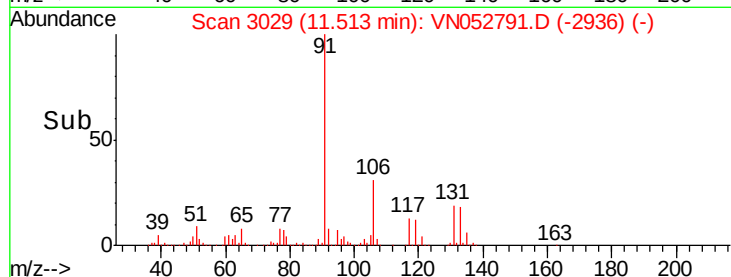
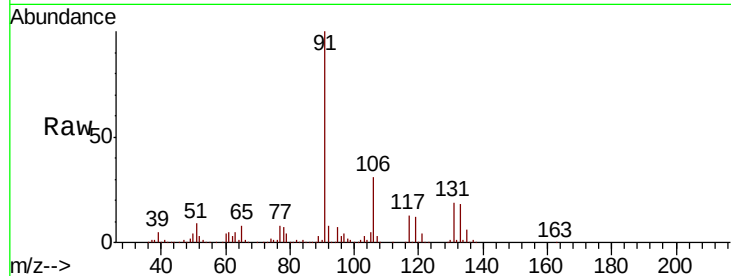
#67
Ethyl Benzene
Concen: 50.394 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2439345
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

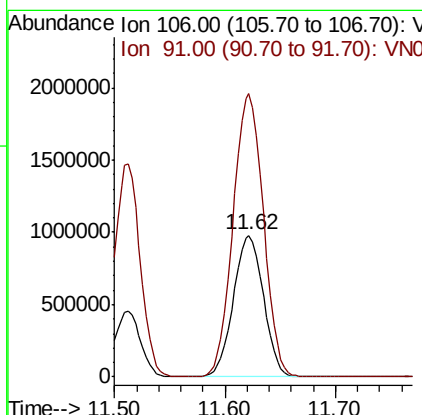
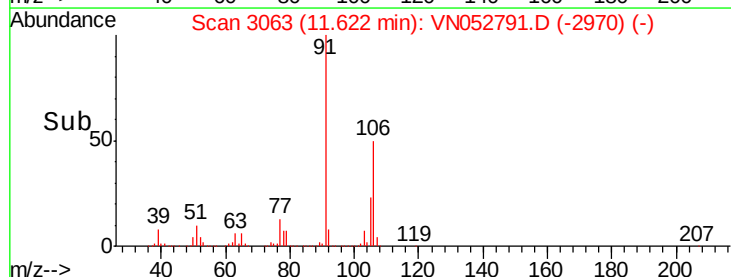
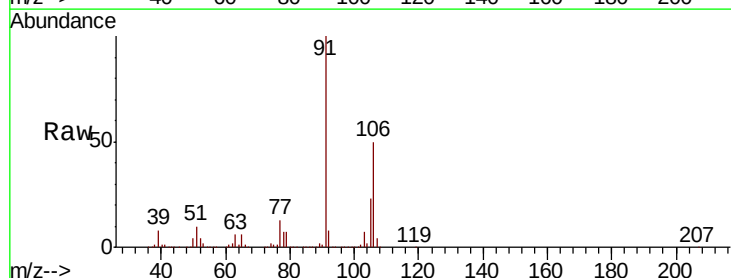
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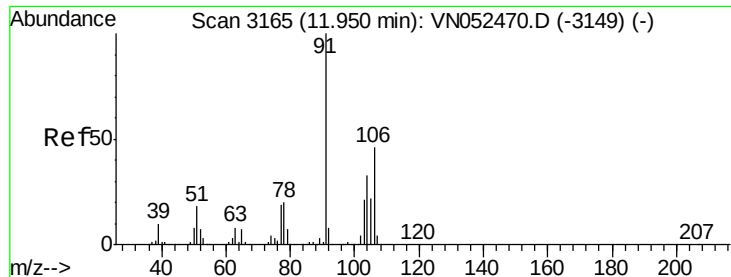
MMDadoda
12/12/2018 11:33:05 AM



#68
m/p-Xylenes
Concen: 102.405 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion: 106 Resp: 1845354
Ion Ratio Lower Upper
106 100
91 202.5 163.2 244.8





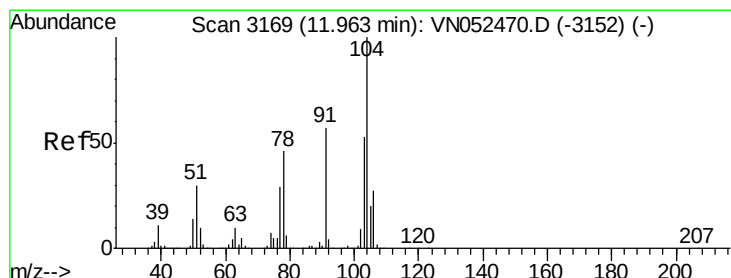
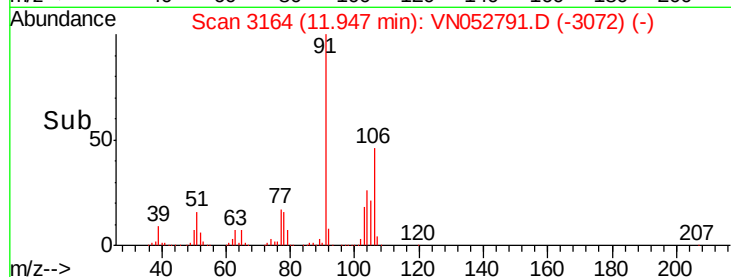
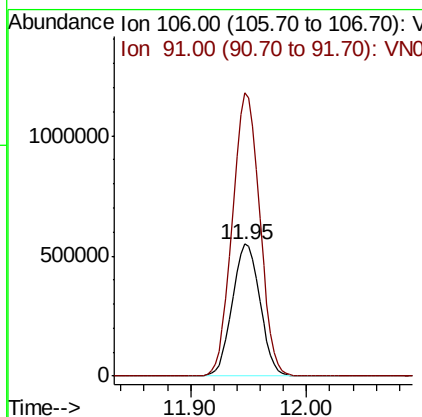
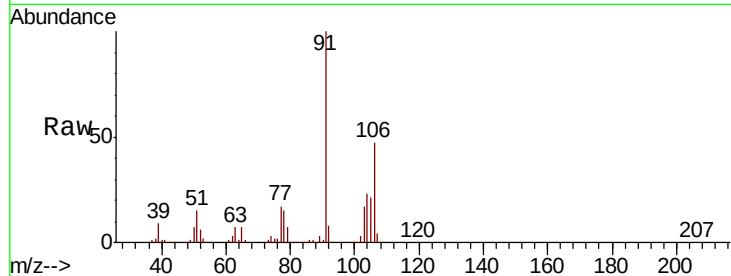
#69
o-Xylene
Concen: 51.766 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	107.7	323.1

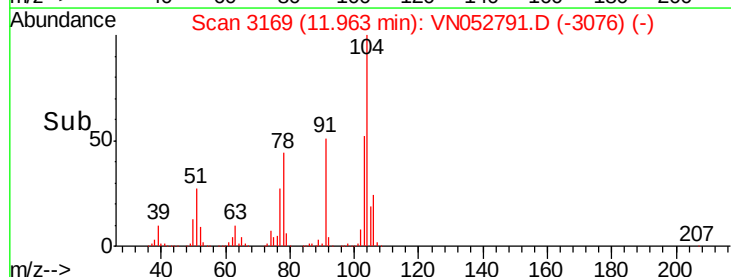
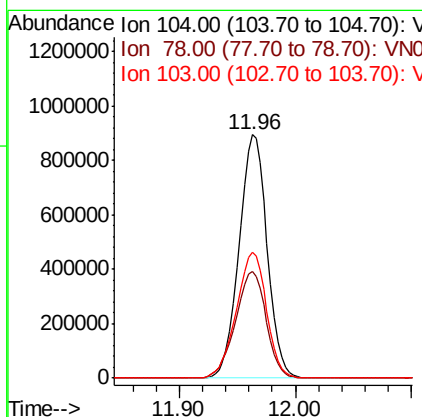
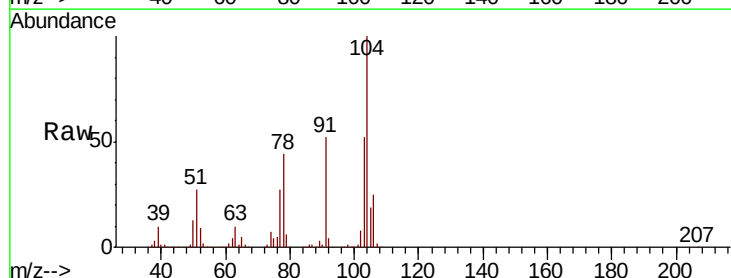
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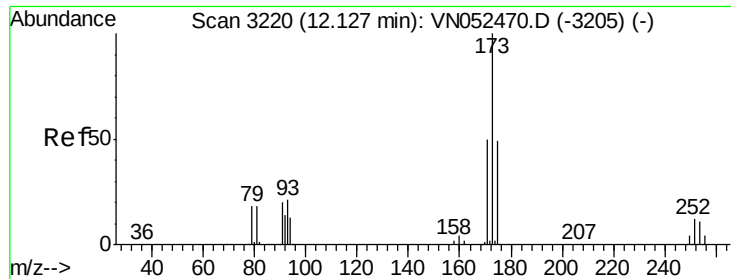
MMDadoda
12/12/2018 11:33:05 AM



#70
Styrene
Concen: 53.618 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.4	59.2
103	55.7	44.9	67.3





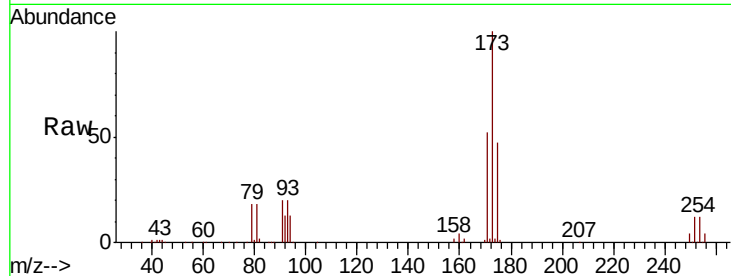
#71
Bromoform
Concen: 52.991 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.1	0.1

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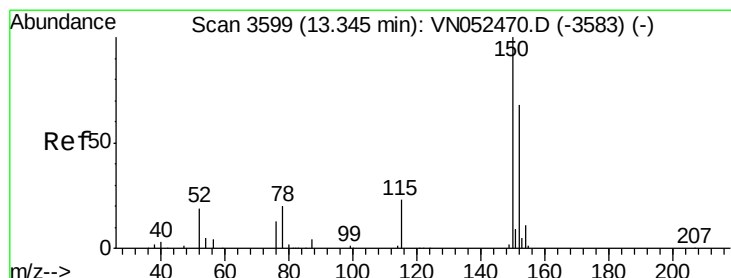
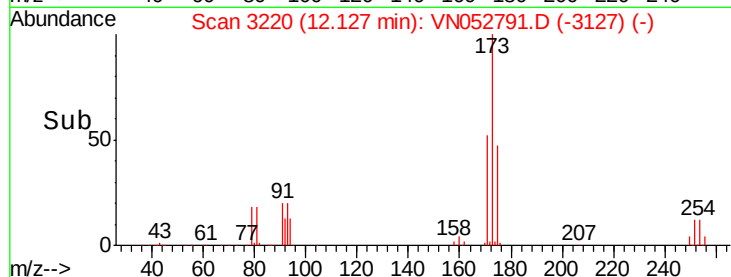
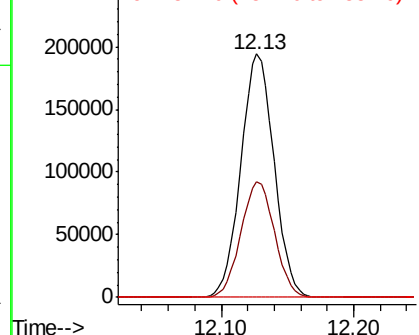


Abundance

Ion 172.70 (172.40 to 173.40): V

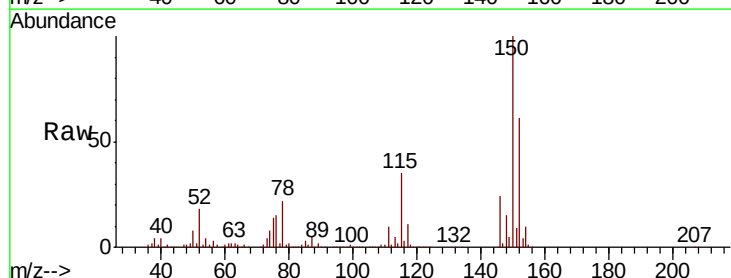
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052791.D
Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.2
150	174.8	0.0	346.0

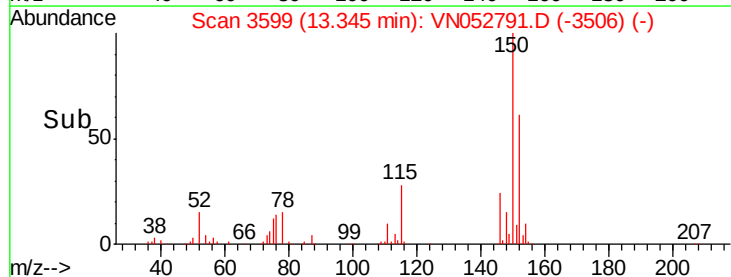
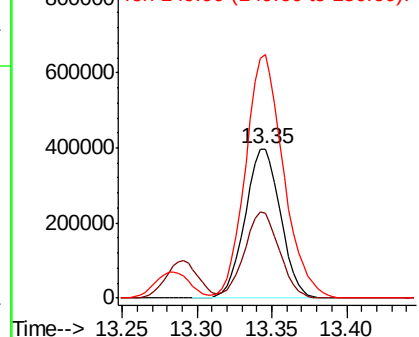


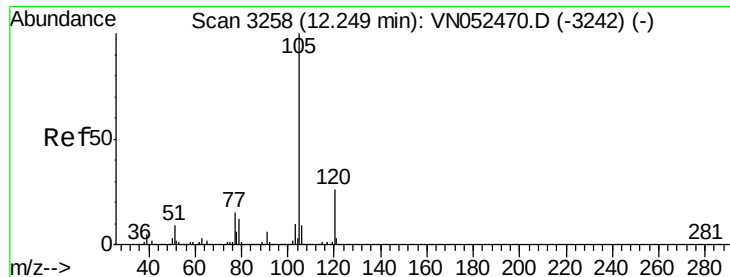
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.354 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2433657

Ion Ratio Lower Upper

105 100

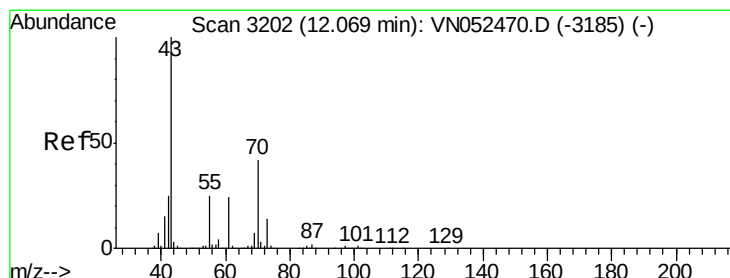
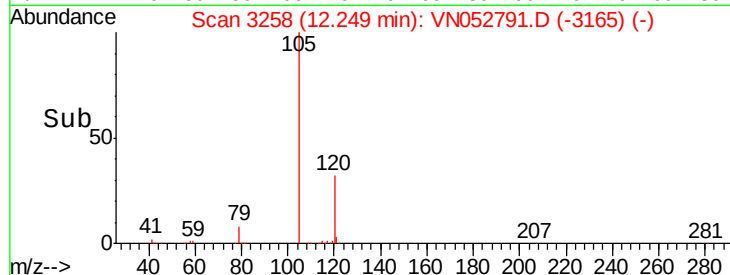
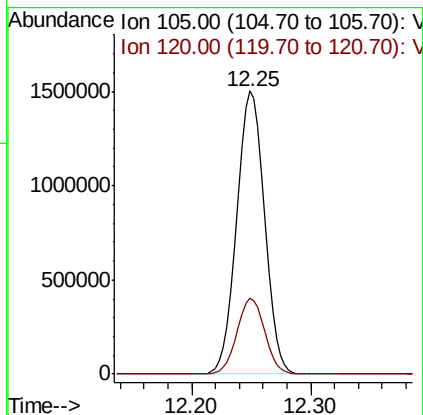
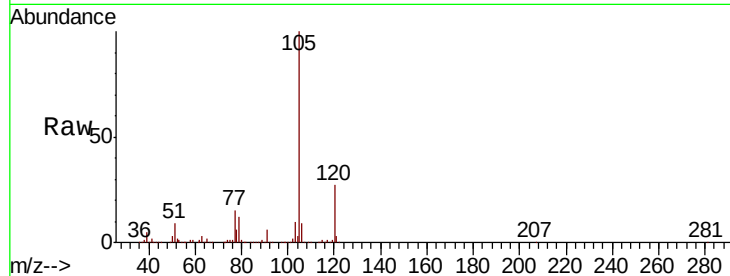
120 26.7 13.1 39.3

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#74

N-ethyl acetate

Concen: 50.342 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion: 43 Resp: 653628

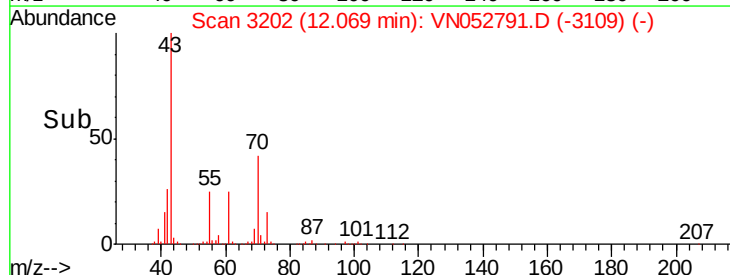
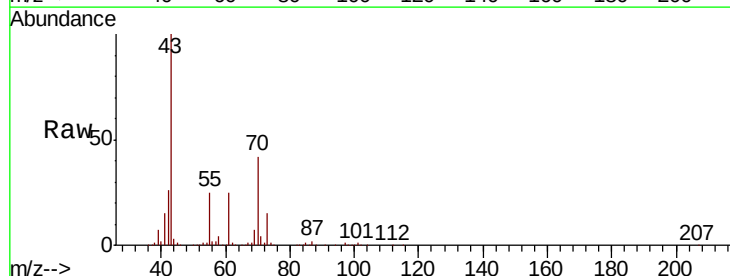
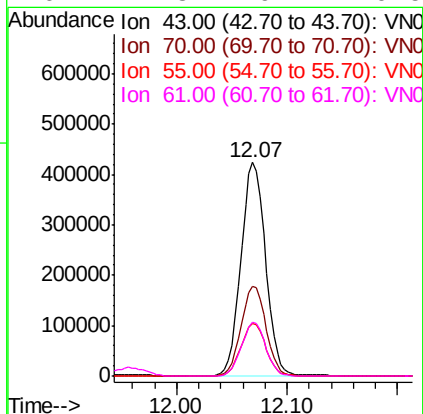
Ion Ratio Lower Upper

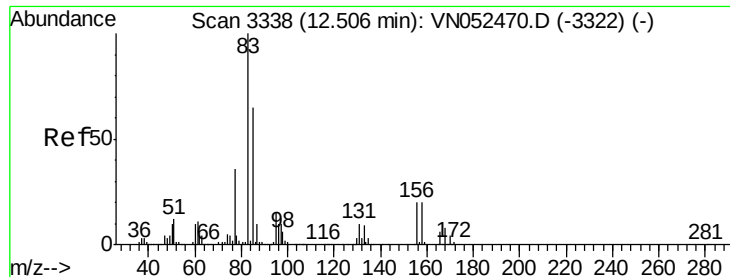
43 100

70 42.8 33.8 50.8

55 24.9 20.0 30.0

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 43.621 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

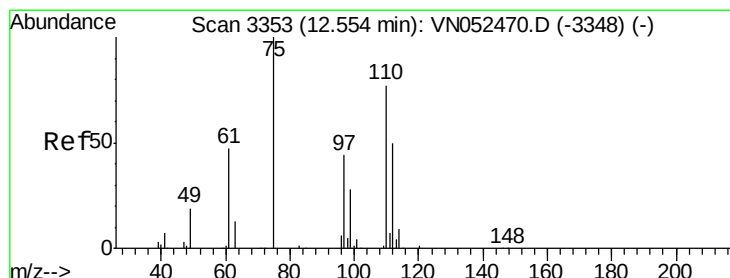
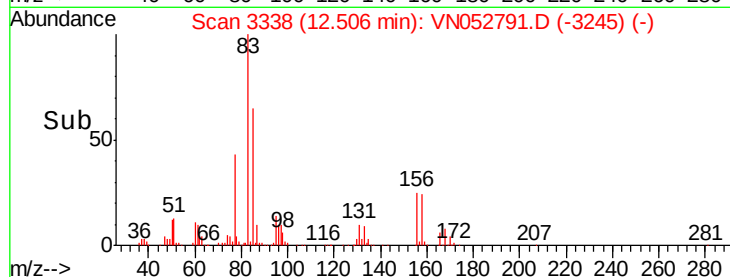
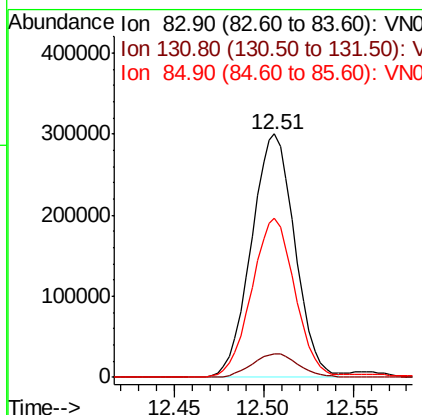
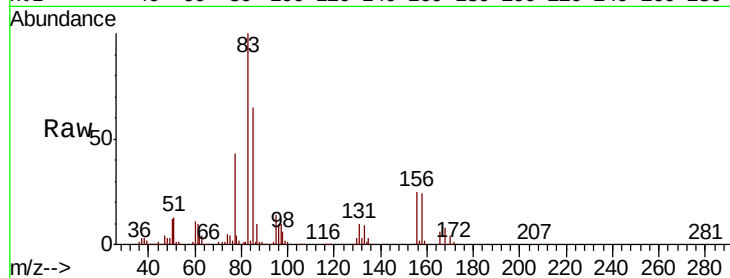
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	509966
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	65.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.026 ug/l m

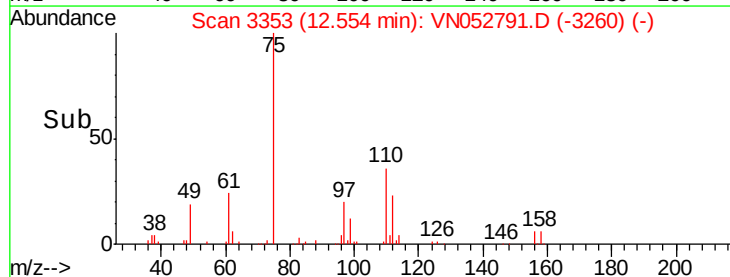
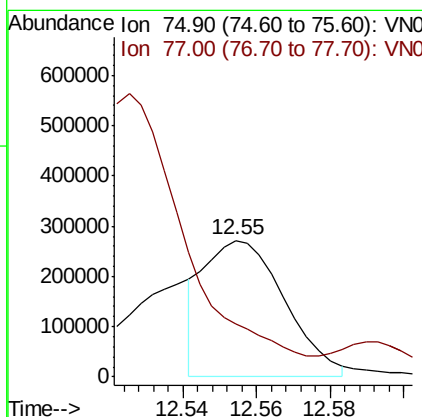
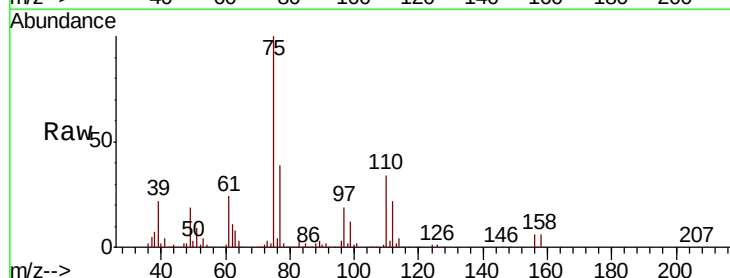
RT: 12.55 min Scan# 3353

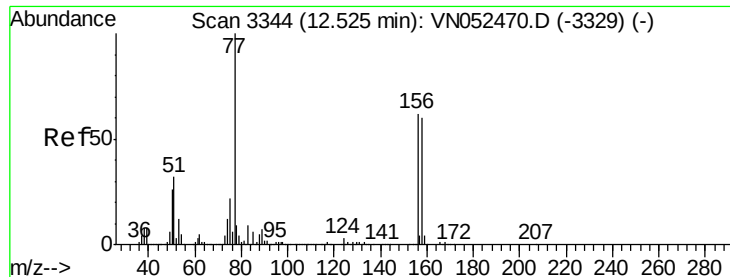
Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	75	Resp:	414417
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.279 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

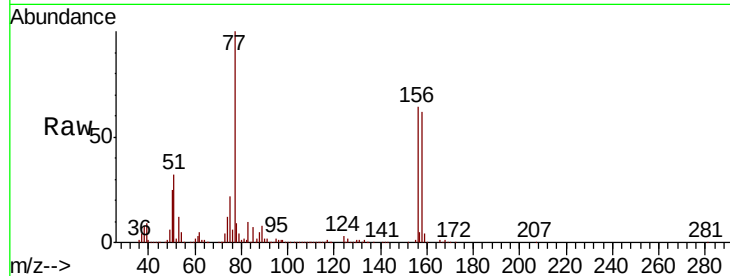
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	613283
Ion Ratio	Lower	Upper	
156	100		
77	181.4	93.5	280.4
158	97.7	48.3	144.9

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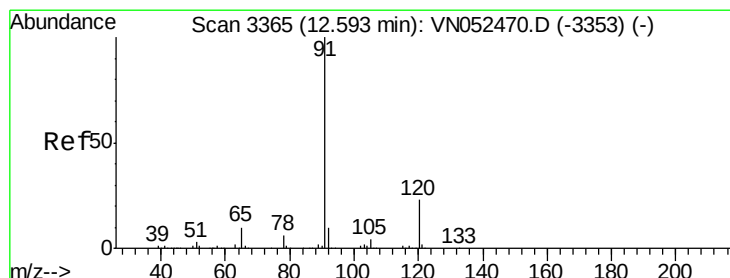
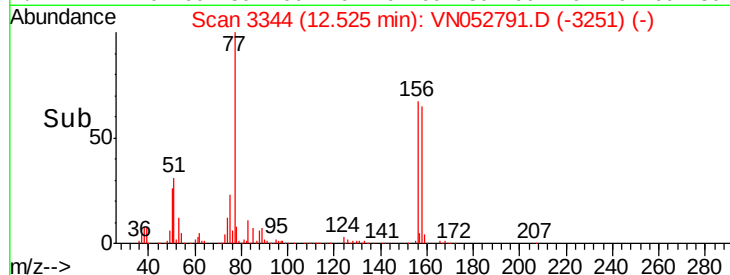
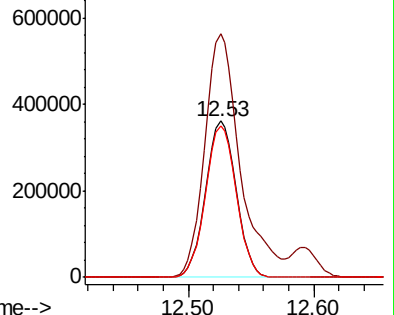
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.574 ug/l

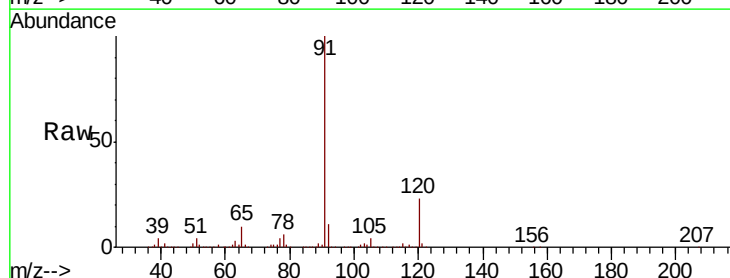
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052791.D

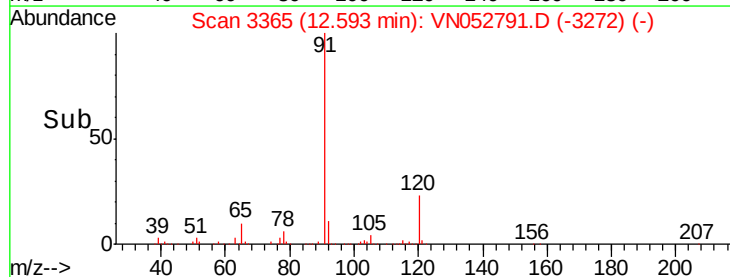
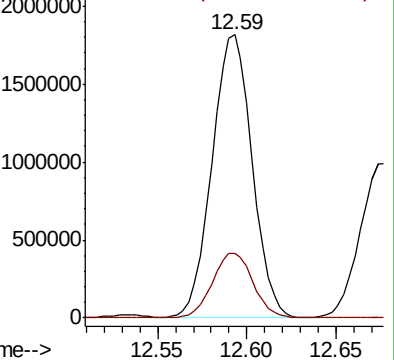
Acq: 11 Dec 2018 9:43

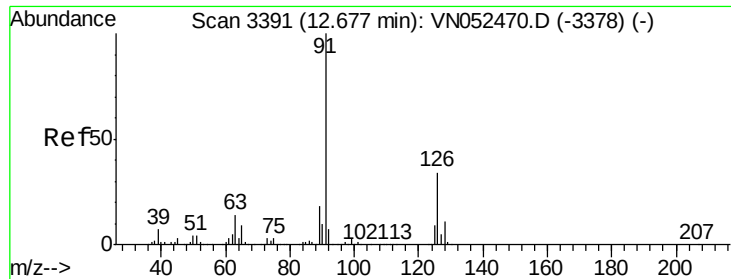
Tgt Ion:	91	Resp:	2835978
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.991 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1633785

Ion Ratio Lower Upper

91 100

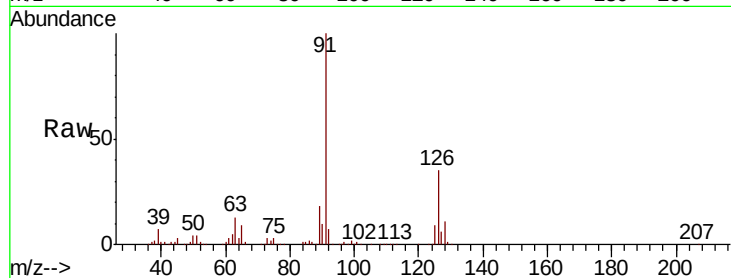
126 35.1 17.2 51.6

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

1500000

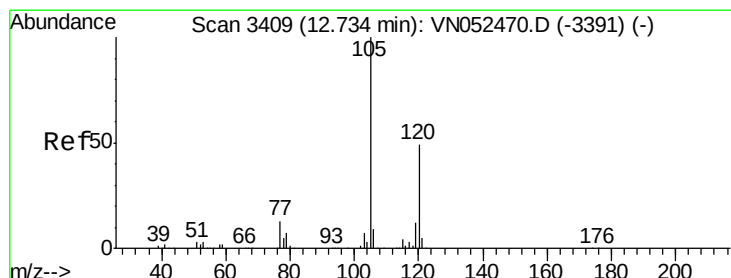
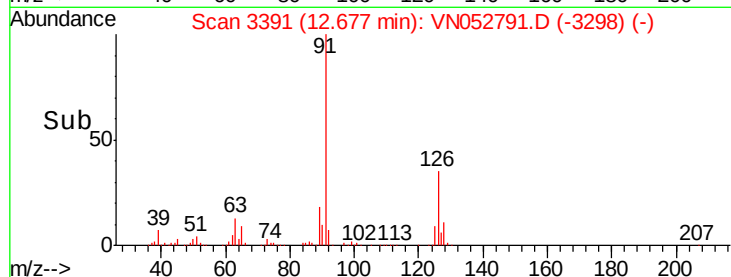
1000000

500000

0

12.68

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 48.796 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052791.D

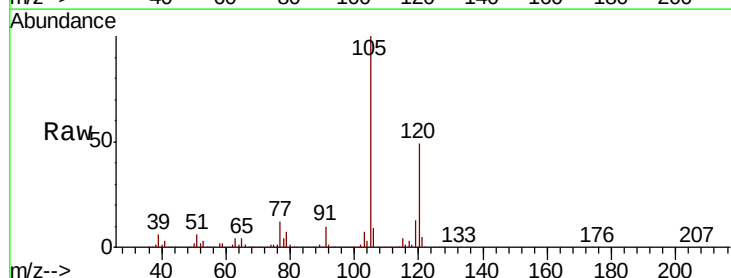
Acq: 11 Dec 2018 9:43

Tgt Ion: 105 Resp: 2000054

Ion Ratio Lower Upper

105 100

120 49.0 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

1500000

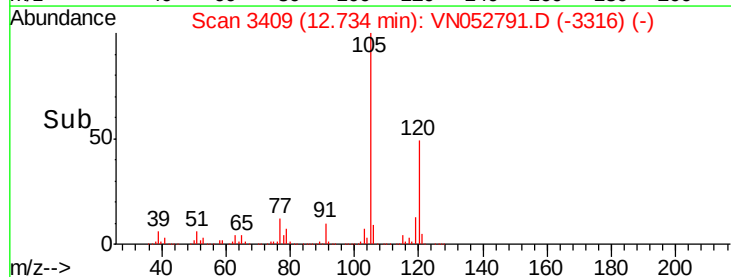
1000000

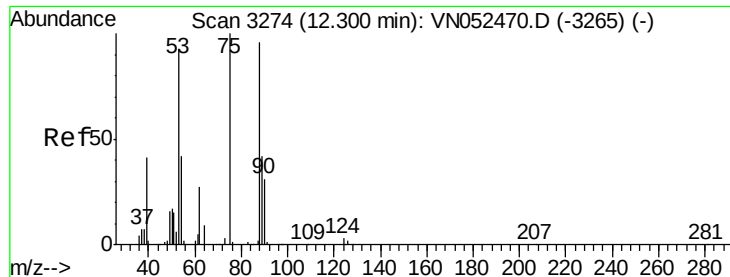
500000

0

12.73

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 49.592 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

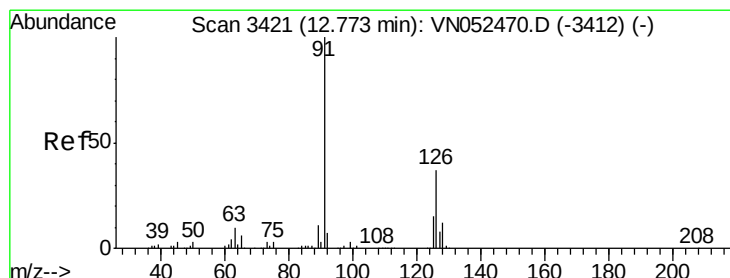
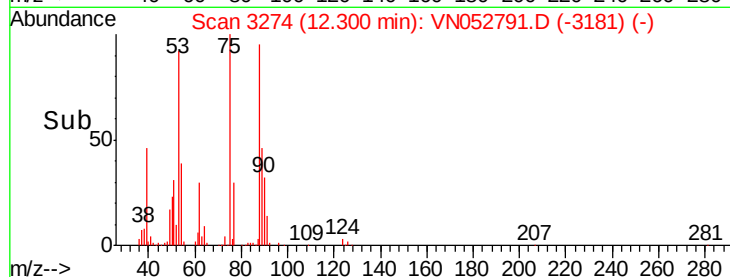
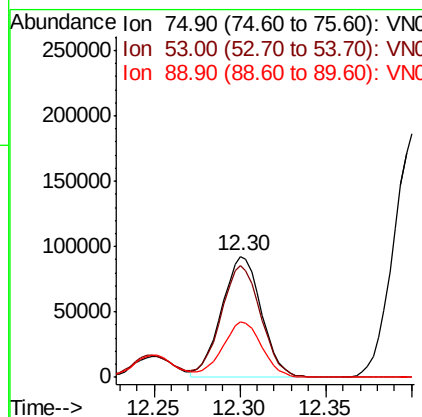
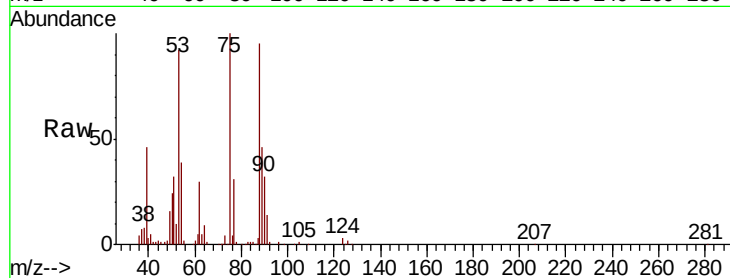
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	150003
Ion Ratio	Lower	Upper	
75	100		
53	93.4	77.4	116.0
89	45.7	35.4	53.2

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#82

4-Chlorotoluene

Concen: 48.263 ug/l

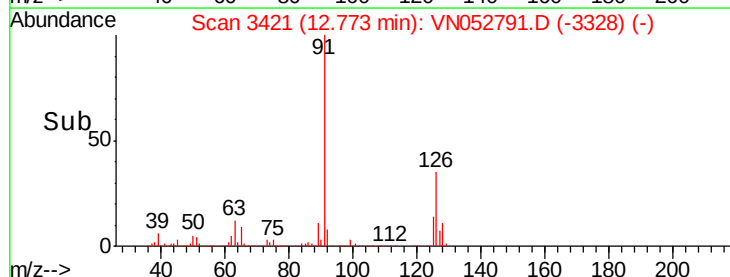
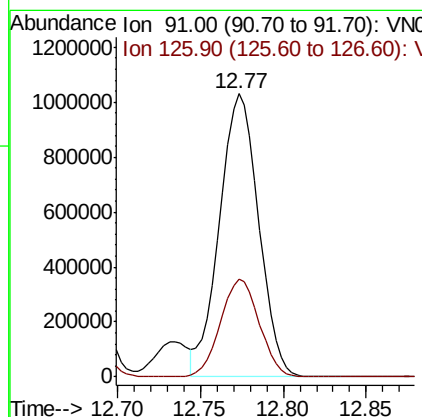
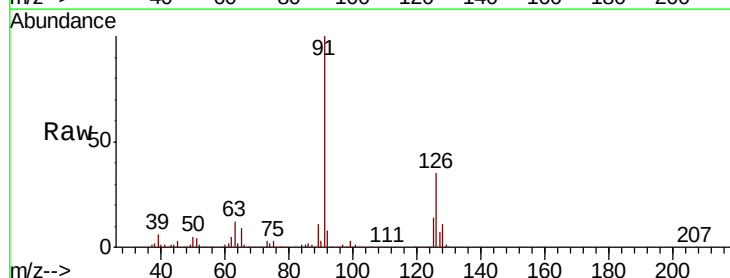
RT: 12.77 min Scan# 3421

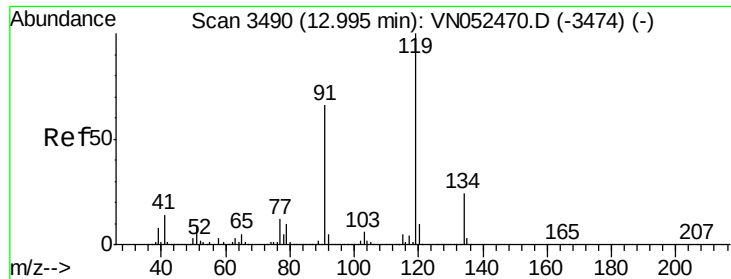
Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Tgt Ion:	91	Resp:	1691179
Ion Ratio	Lower	Upper	
91	100		
126	34.4	16.9	50.6





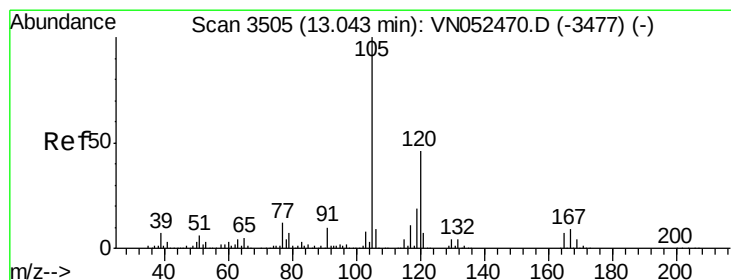
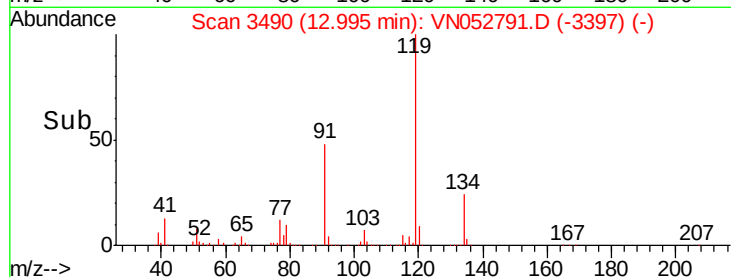
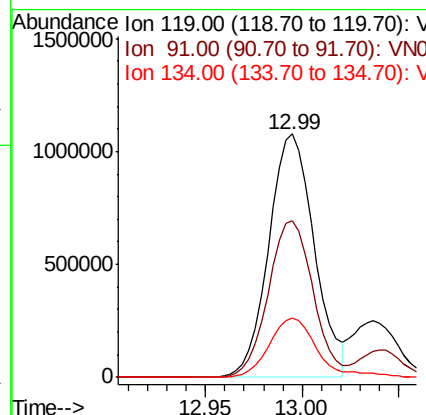
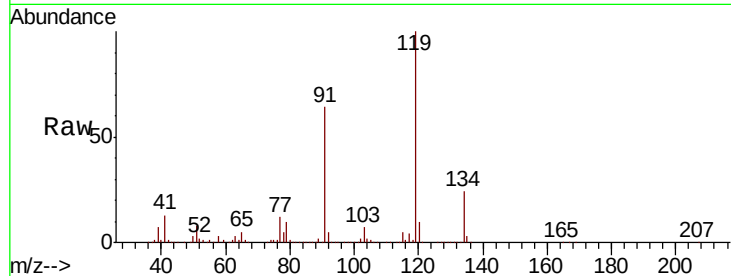
#83
 tert-Butylbenzene
 Concen: 48.313 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.9
134	25.7	13.0	38.9

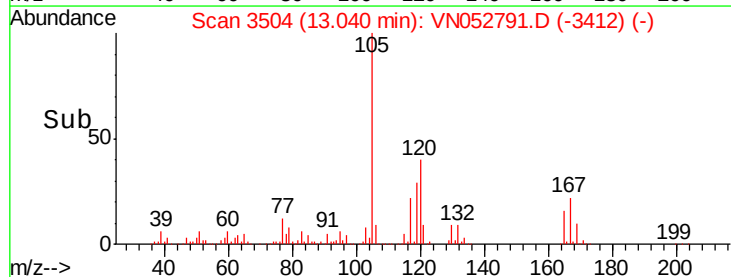
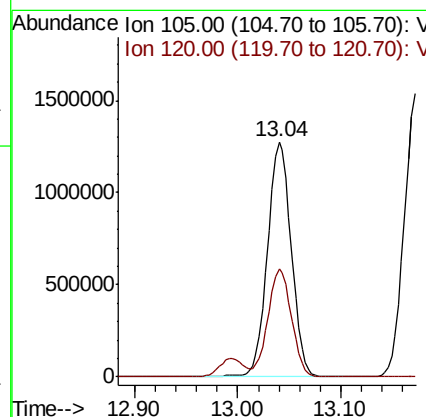
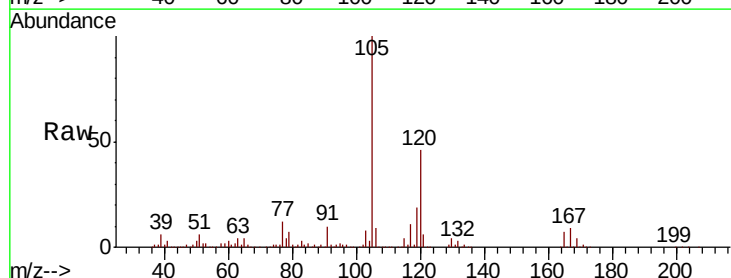
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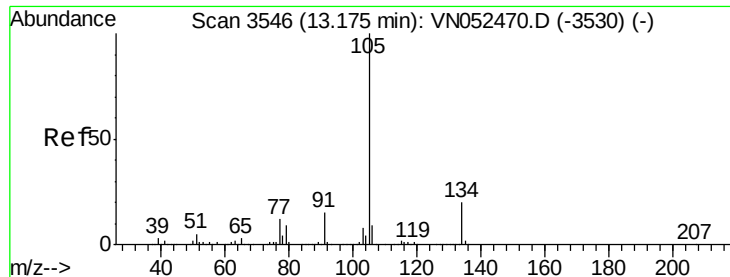
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.474 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 49.062 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2441812

Ion Ratio Lower Upper

105 100

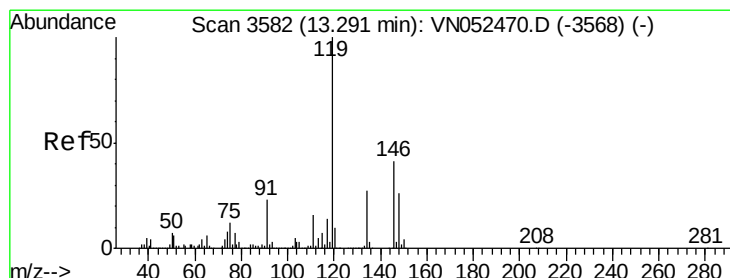
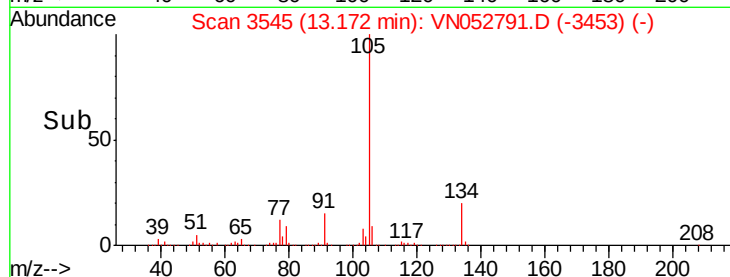
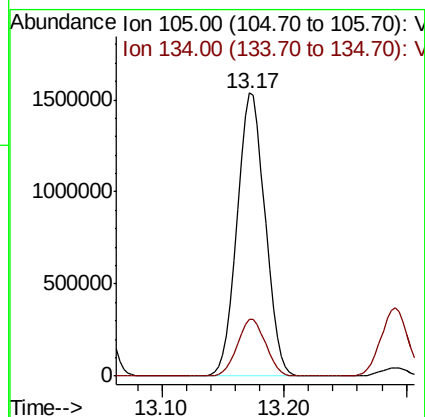
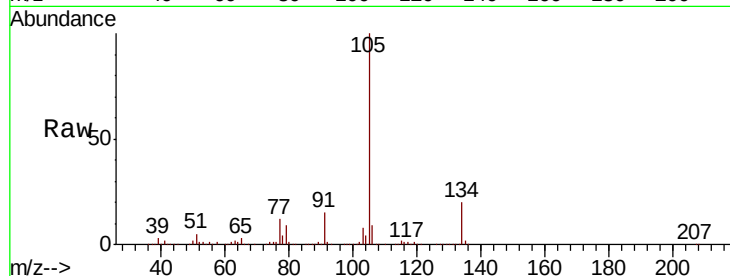
134 20.3 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 50.039 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

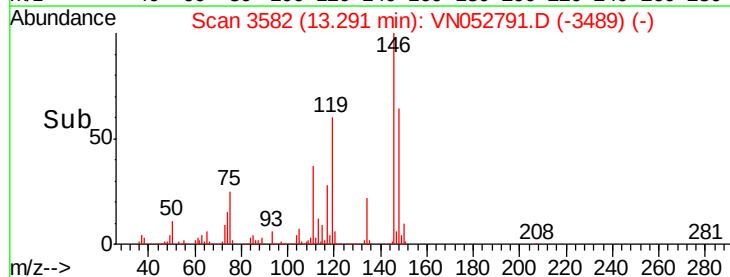
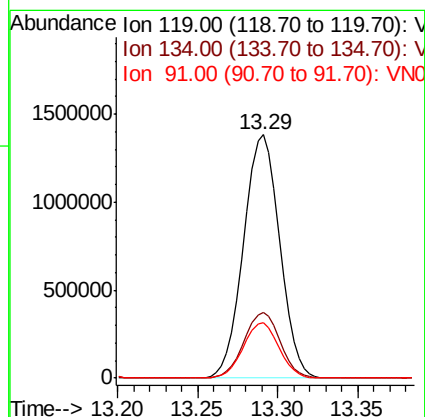
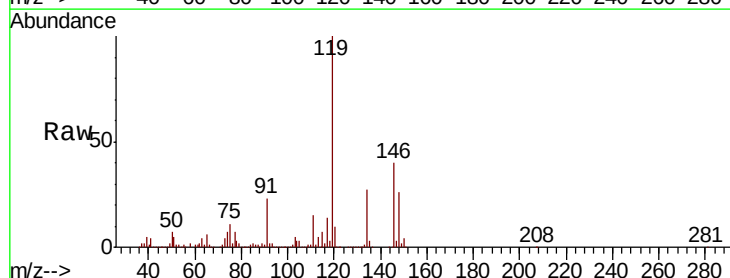
Tgt Ion:119 Resp: 2121177

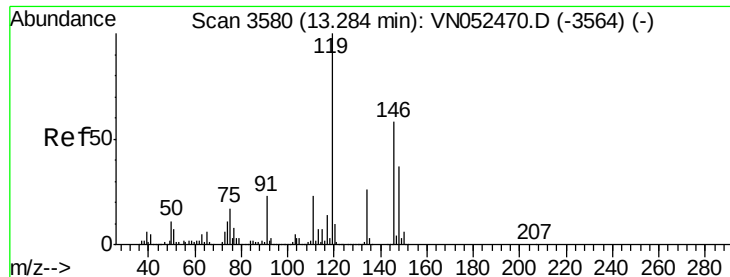
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.257 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1116718

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.4

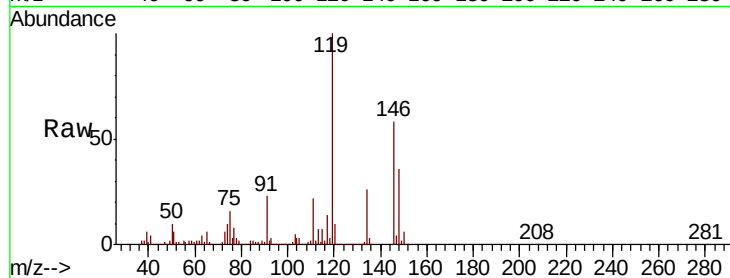
148 64.0 31.8 95.4

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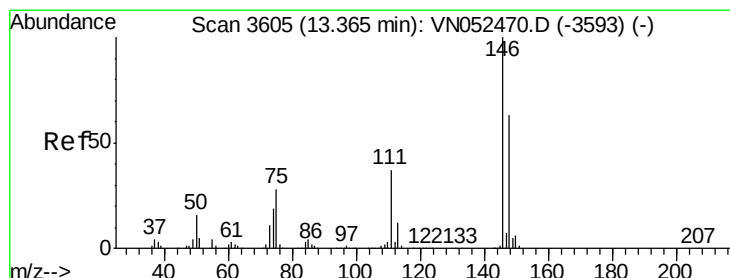
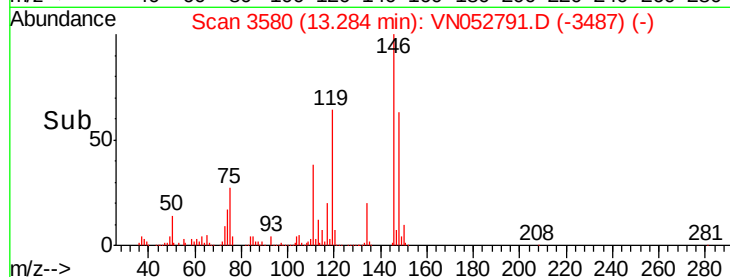
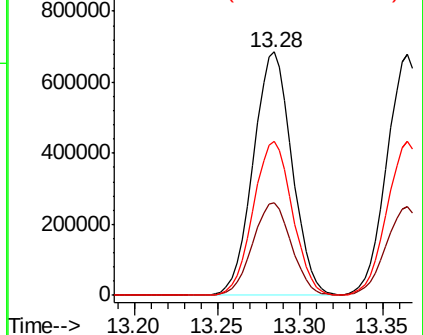
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.461 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

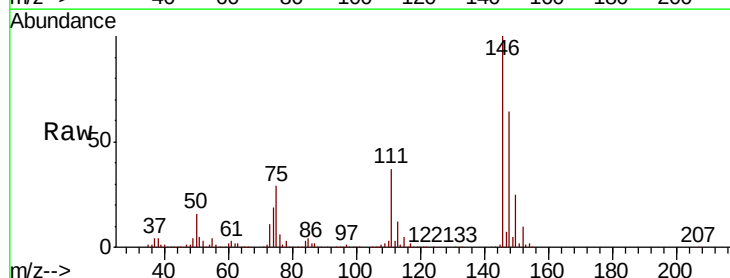
Tgt Ion:146 Resp: 1104426

Ion Ratio Lower Upper

146 100

111 37.0 18.6 56.0

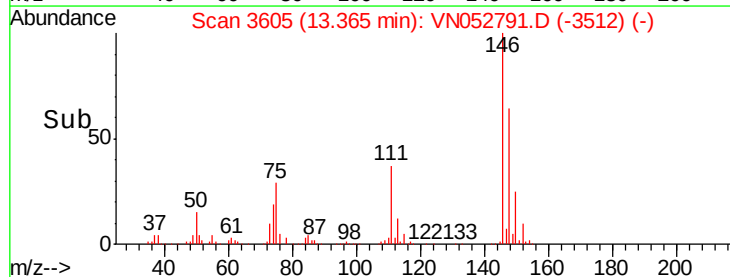
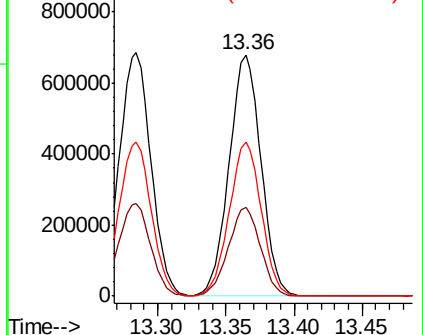
148 63.9 31.9 95.9

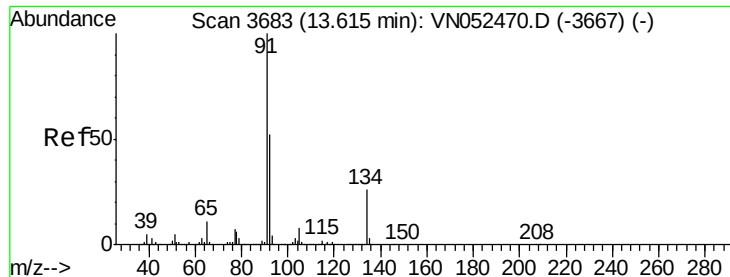


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.804 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1861536

Ion Ratio Lower Upper

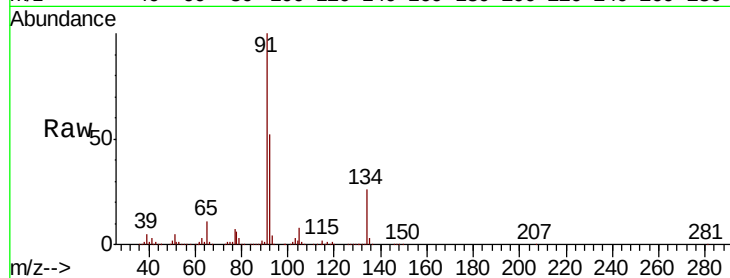
91 100

92 52.3 26.1 78.3

134 26.0 13.0 38.9

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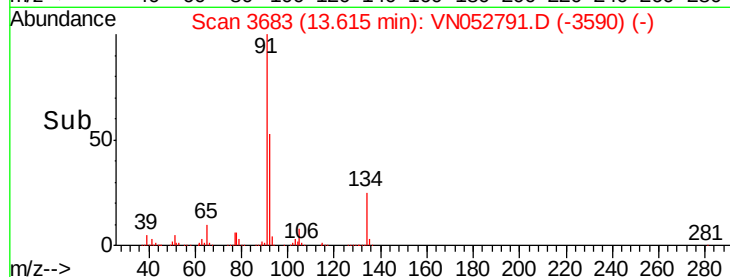


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 47.964 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052791.D

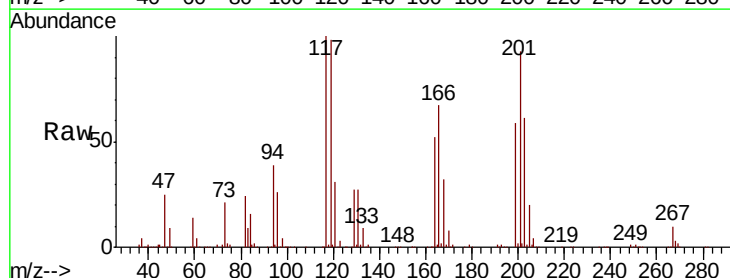
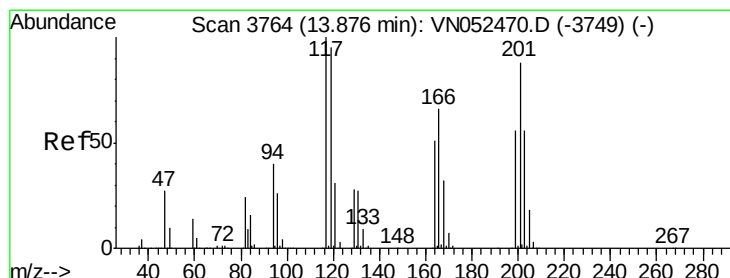
Acq: 11 Dec 2018 9:43

Tgt Ion: 117 Resp: 344264

Ion Ratio Lower Upper

117 100

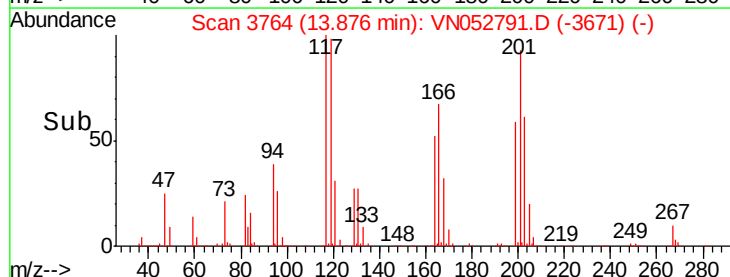
201 91.8 43.6 130.9

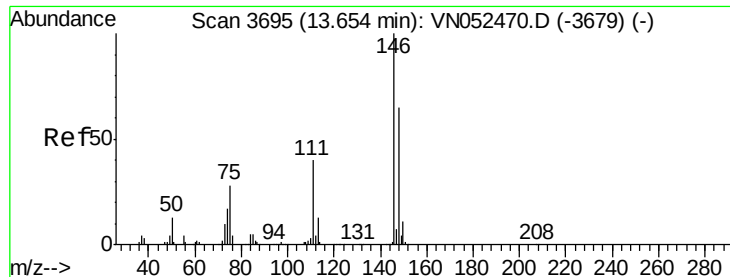


Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

Time--> 13.80 13.85 13.90 13.95





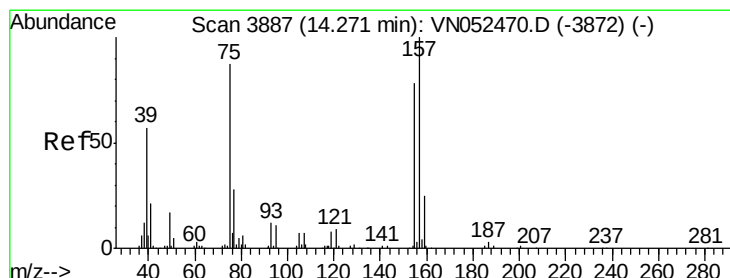
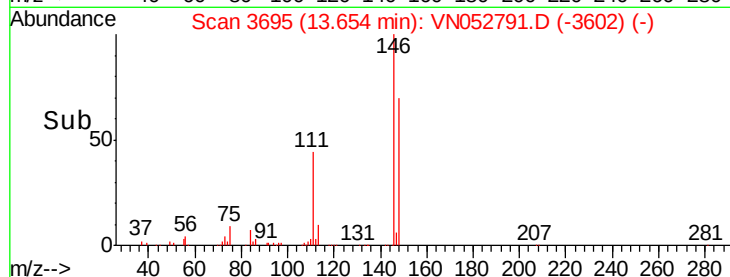
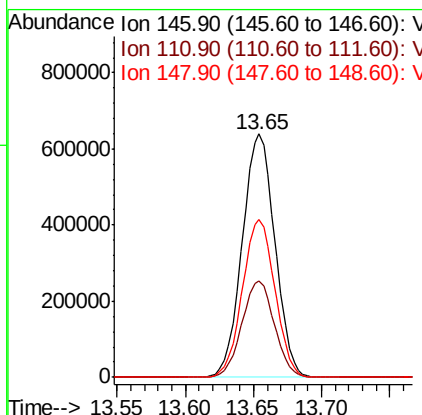
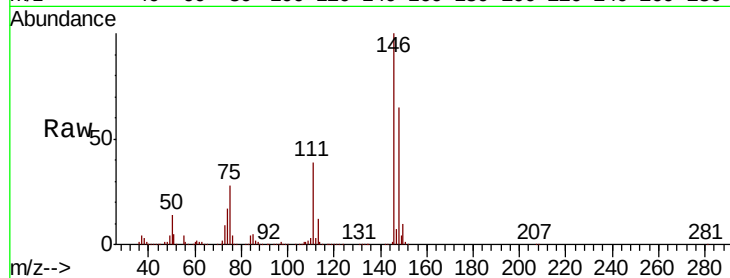
#91
 1,2-Dichlorobenzene
 Concen: 50.054 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.7	32.0	96.2

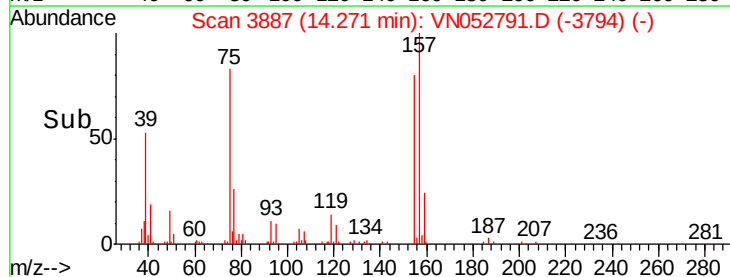
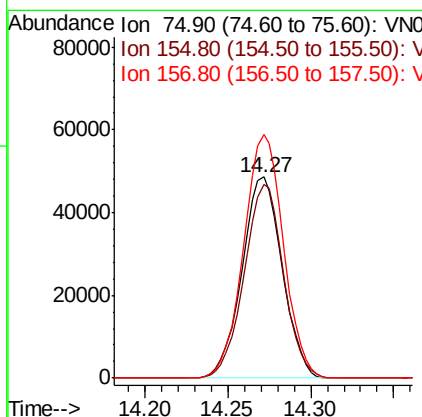
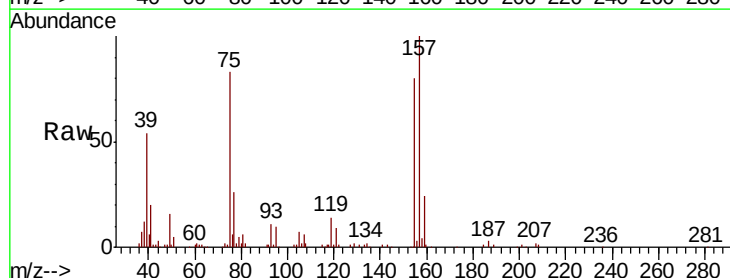
Manual Integrations
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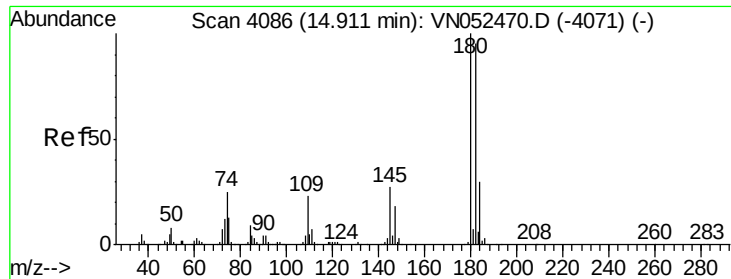
MMDadoda
 12/12/2018 11:33:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.909 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	45.3	135.9
157	119.8	58.1	174.2





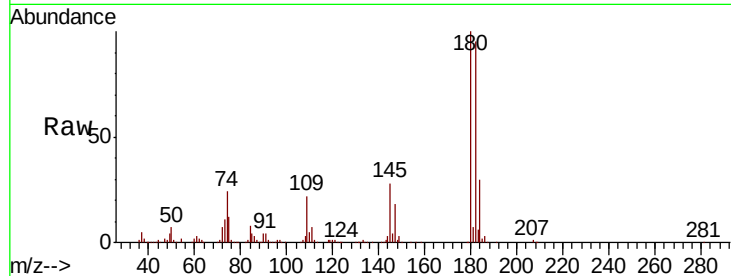
#93
 1,2,4-Trichlorobenzene
 Concen: 52.227 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	47.8	143.4
145	28.6	14.1	42.3

Manual Integrations
 APPROVED

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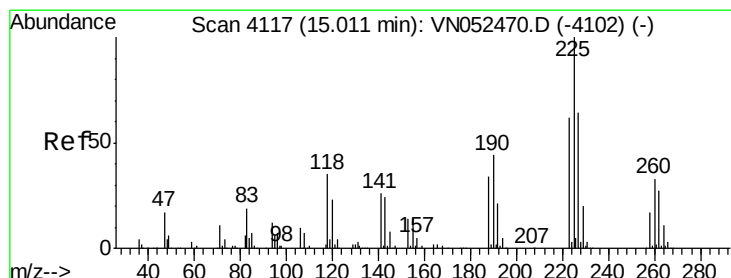
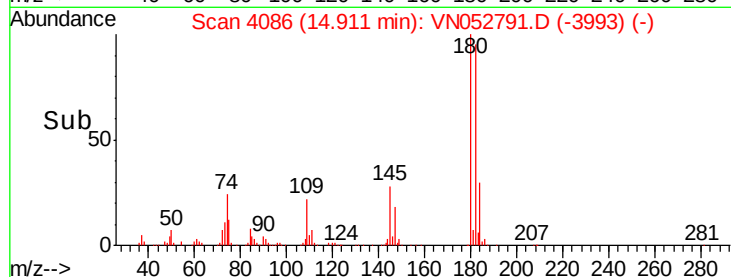
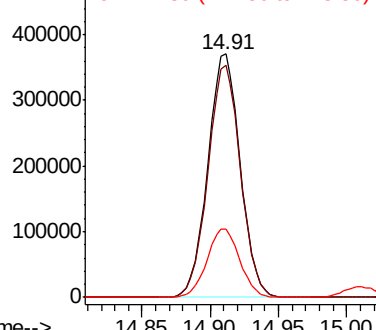


Abundance

Ion 179.80 (179.50 to 180.50): V

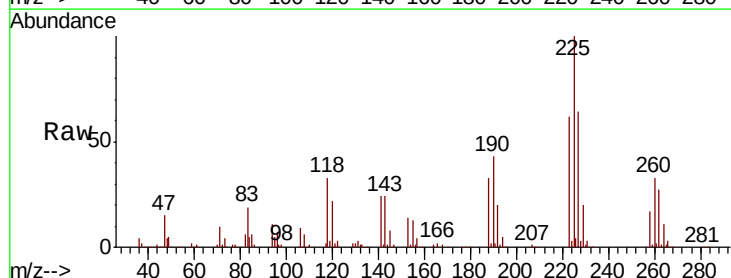
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.952 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052791.D
 Acq: 11 Dec 2018 9:43

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.5	97.4

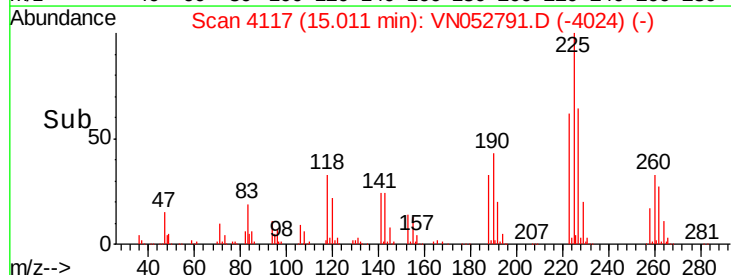
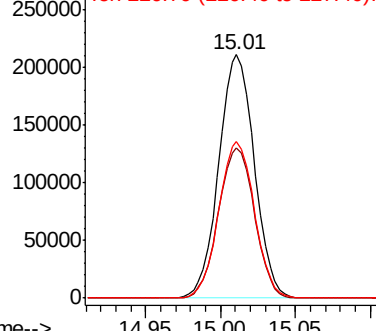


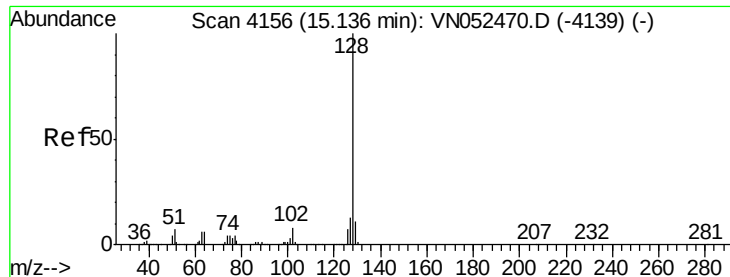
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.966 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1205737

Ion Ratio Lower Upper

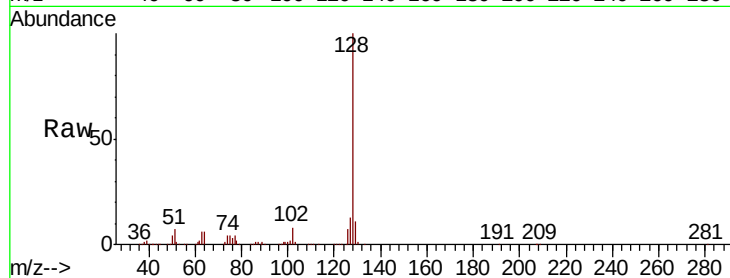
128 100

127 12.5 10.2 15.2

129 10.8 8.7 13.1

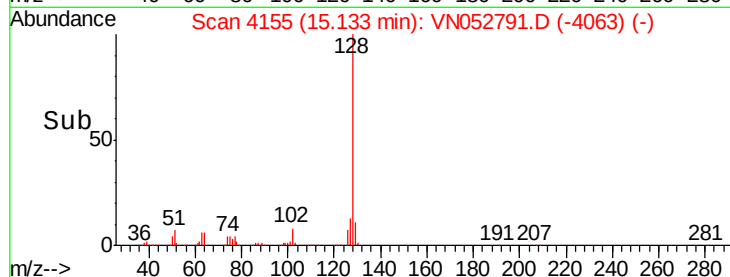
Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:33:05 AM

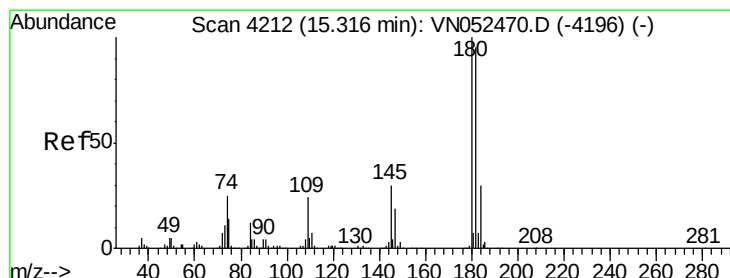


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 50.862 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052791.D

Acq: 11 Dec 2018 9:43

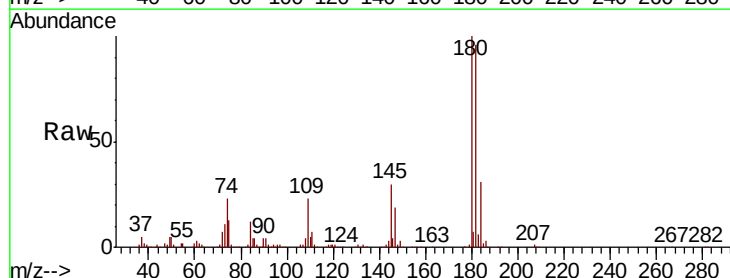
Tgt Ion:180 Resp: 544370

Ion Ratio Lower Upper

180 100

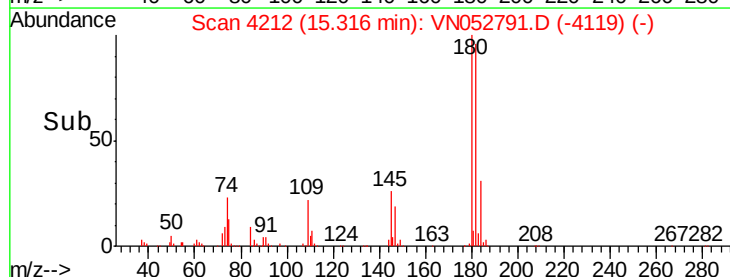
182 95.7 47.8 143.3

145 29.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.32



Time-->