

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053624.D
 Acq On : 6 Feb 2019 9:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:10 AM

Quant Time: Feb 07 03:50:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	692155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1013249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	442840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	391049	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	376938	58.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.74%	
50) Toluene-d8	10.09	98	1406445	58.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.00%	
62) 4-Bromofluorobenzene	12.40	95	474175	59.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	353904	45.385	ug/l	100
3) Chloromethane	2.06	50	360160	43.830	ug/l	100
4) Vinyl Chloride	2.19	62	356288	44.665	ug/l	99
5) Bromomethane	2.57	94	233556	44.780	ug/l	97
6) Chloroethane	2.71	64	203760	44.700	ug/l	97
7) Trichlorofluoromethane	3.02	101	492082	45.491	ug/l	99
8) Diethyl Ether	3.41	74	175492	44.423	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	311970	46.633	ug/l	98
10) Methyl Iodide	3.95	142	460896	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	87928	213.967	ug/l	99
12) 1,1-Dichloroethene	3.74	96	292327	45.608	ug/l	97
13) Acrolein	3.61	56	71687	320.402	ug/l	100
14) Allyl chloride	4.33	41	463171	45.385	ug/l	99
15) Acrylonitrile	4.99	53	506642	228.374	ug/l	99
16) Acetone	3.81	43	510456	286.602	ug/l	100
17) Carbon Disulfide	4.06	76	861415	43.162	ug/l	100
18) Methyl Acetate	4.32	43	234967	44.546	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	745105	45.857	ug/l	99
20) Methylene Chloride	4.55	84	325418	43.550	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	308405	44.599	ug/l	99
22) Diisopropyl ether	5.95	45	882097	46.648	ug/l	97
23) Vinyl Acetate	5.89	43	3013125	230.336	ug/l	98
24) 1,1-Dichloroethane	5.85	63	564289	44.740	ug/l	99
25) 2-Butanone	6.83	43	626852	246.774	ug/l	100
26) 2,2-Dichloropropane	6.82	77	435961	45.281	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	349810	45.494	ug/l	99
28) Bromochloromethane	7.19	49	265243	48.461	ug/l	96
29) Tetrahydrofuran	7.21	42	362374	222.161	ug/l	97
30) Chloroform	7.37	83	560849	44.858	ug/l	100
31) Cyclohexane	7.65	56	513581	43.714	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	473581	45.515	ug/l	99
36) 1,1-Dichloropropene	7.79	75	433781	47.492	ug/l	99
37) Ethyl Acetate	6.93	43	243100	47.655	ug/l	99
38) Carbon Tetrachloride	7.77	117	423108	45.983	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	518791	47.875	ug/l	99
40) Benzene	8.04	78	1309070	46.476	ug/l	100
41) Methacrylonitrile	7.17	41	147860	51.861	ug/l	95
42) 1,2-Dichloroethane	8.12	62	376239	44.988	ug/l	99
43) Isopropyl Acetate	8.16	43	427203	43.364	ug/l #	89
44) Trichloroethene	8.83	130	354664	44.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	341494	47.402	ug/l	99
46) Dibromomethane	9.21	93	197974	45.587	ug/l	98
47) Bromodichloromethane	9.40	83	425355	47.107	ug/l	100
48) Methyl methacrylate	9.20	41	208984	44.440	ug/l	94
49) 1,4-Dioxane	9.20	88	58836	868.787	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1114209	230.155	ug/l	99
52) Toluene	10.16	92	795169	47.568	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	428249	47.364	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	507623	47.378	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283499	47.064	ug/l	99
56) Ethyl methacrylate	10.43	69	335846	47.130	ug/l	99
57) 1,3-Dichloropropane	10.71	76	474113	46.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	959980	218.271	ug/l	99
59) 2-Hexanone	10.75	43	787888	239.735	ug/l	99
60) Dibromochloromethane	10.90	129	327954	48.280	ug/l	99
61) 1,2-Dibromoethane	11.00	107	269055	45.128	ug/l	99
64) Tetrachloroethene	10.63	164	353607	46.555	ug/l	99
65) Chlorobenzene	11.43	112	869414	46.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	315747	48.037	ug/l	99
67) Ethyl Benzene	11.51	91	1466503	47.434	ug/l	100
68) m/p-Xylenes	11.62	106	1147752	97.269	ug/l	99
69) o-Xylene	11.95	106	552429	48.460	ug/l	99
70) Styrene	11.96	104	908623	49.176	ug/l	100
71) Bromoform	12.13	173	222886	49.461	ug/l #	99
73) Isopropylbenzene	12.25	105	1444348	46.396	ug/l	100
74) N-amyl acetate	12.07	43	341385	45.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	321214	43.113	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265109m	46.608	ug/l	
77) Bromobenzene	12.53	156	377034	44.938	ug/l	98
78) n-propylbenzene	12.59	91	1706919	47.430	ug/l	100
79) 2-Chlorotoluene	12.68	91	987571	46.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1259725	48.798	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	90189	44.586	ug/l	98
82) 4-Chlorotoluene	12.77	91	1020238	46.567	ug/l	100
83) tert-Butylbenzene	12.99	119	1082250	47.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1287152	48.939	ug/l	100
85) sec-Butylbenzene	13.17	105	1504302	48.450	ug/l	100
86) p-Isopropyltoluene	13.29	119	1329476	48.960	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	696655	46.190	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	685832	45.969	ug/l	99
89) n-Butylbenzene	13.62	91	1172080	49.868	ug/l	100
90) Hexachloroethane	13.88	117	213491	47.664	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	670019	46.403	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47750	44.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	407091	49.158	ug/l	99
94) Hexachlorobutadiene	15.01	225	254461	49.341	ug/l	100
95) Naphthalene	15.13	128	807402	41.800	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	365847	47.612	ug/l	100

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

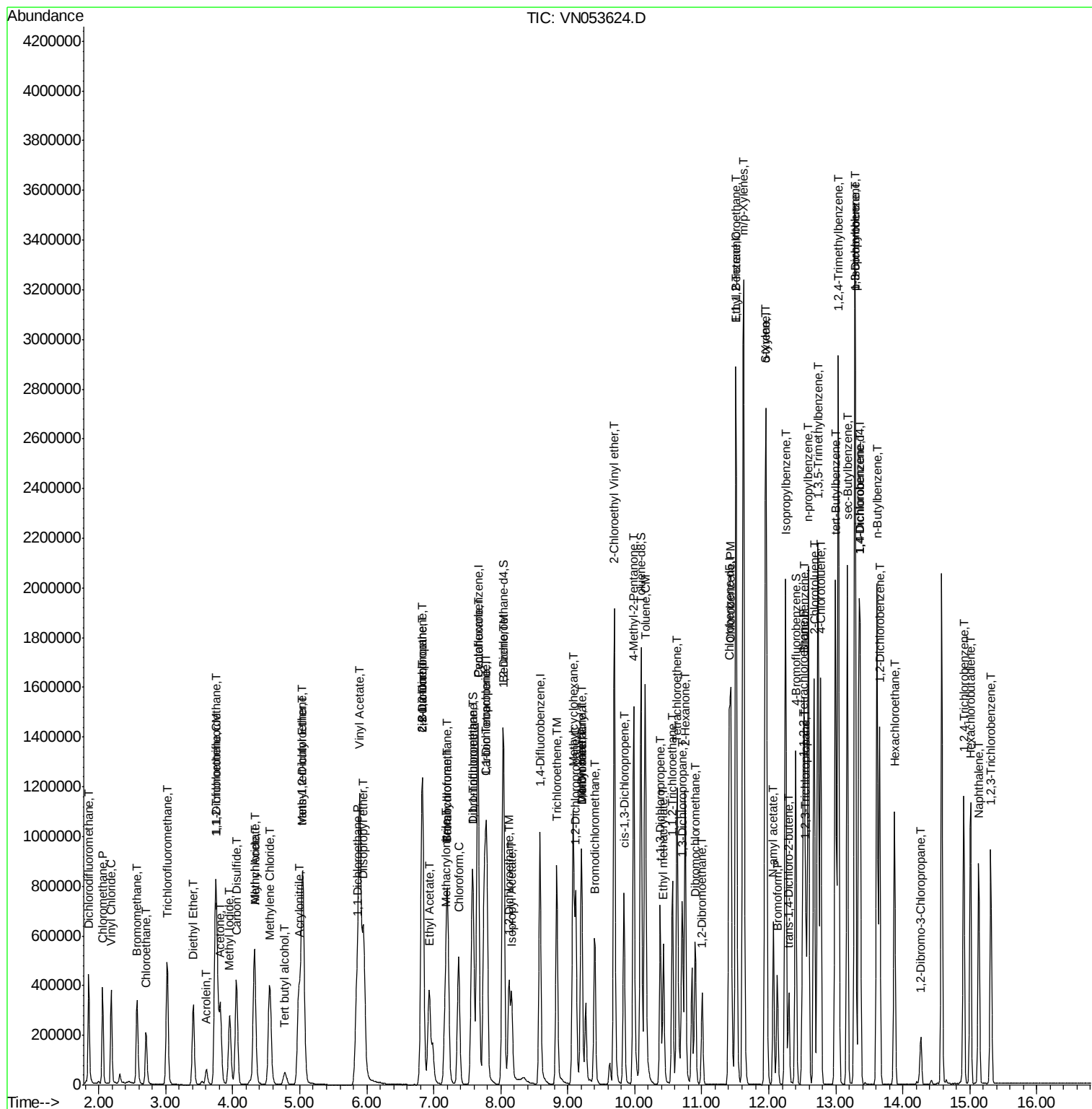
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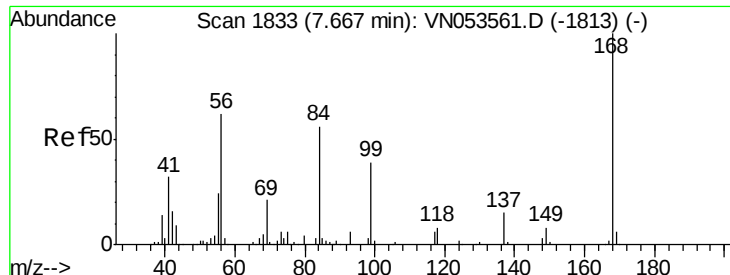
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 692155

Ion Ratio Lower Upper

168 100

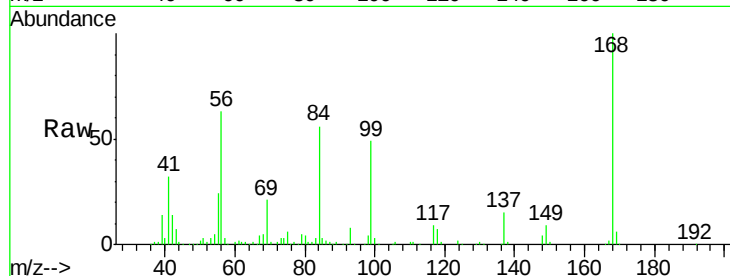
99 48.8 39.1 58.7

Manual Integrations

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2/7/2019 11:04:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

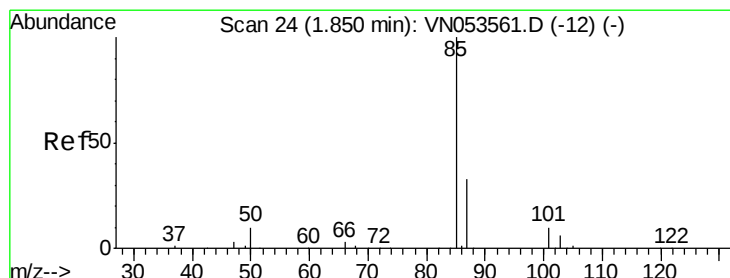
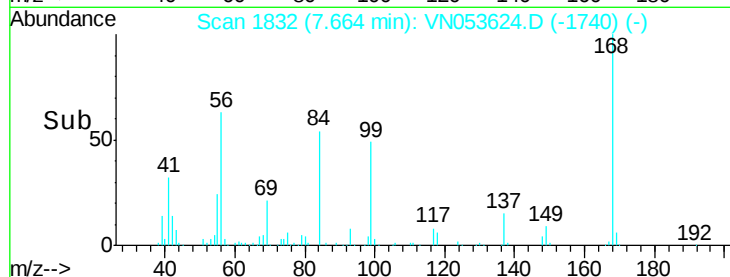
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.385 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053624.D

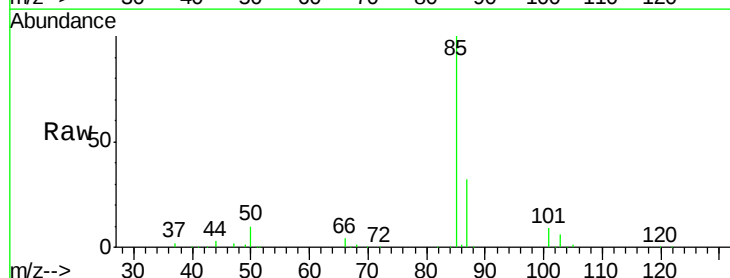
Acq: 6 Feb 2019 9:58

Tgt Ion: 85 Resp: 353904

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

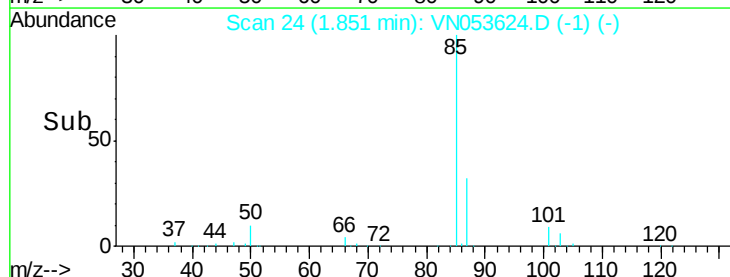
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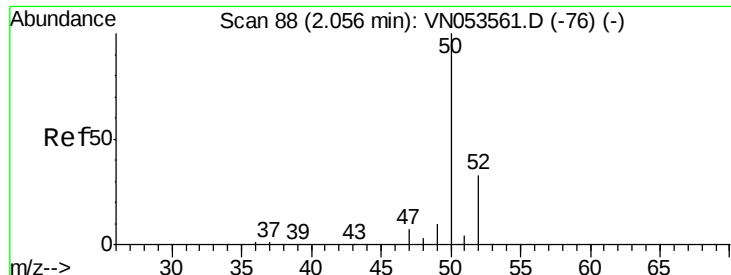
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 43.830 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 360160

Ion Ratio Lower Upper

50 100

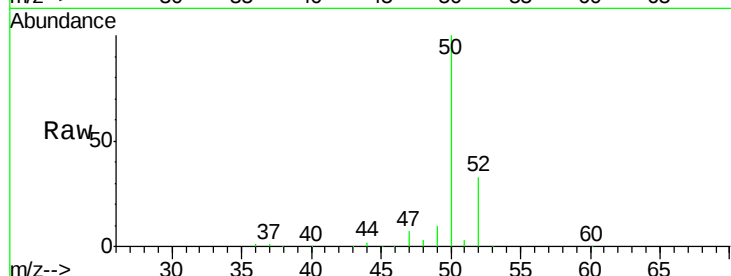
52 33.2 26.6 40.0

Manual Integrations

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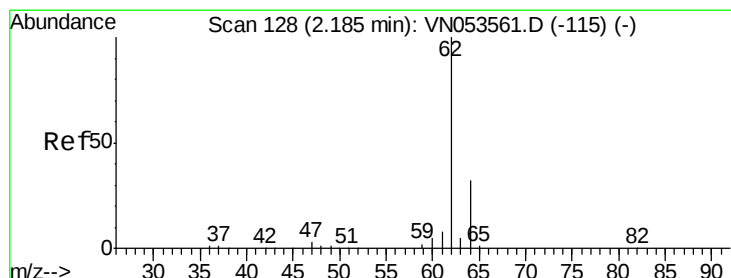
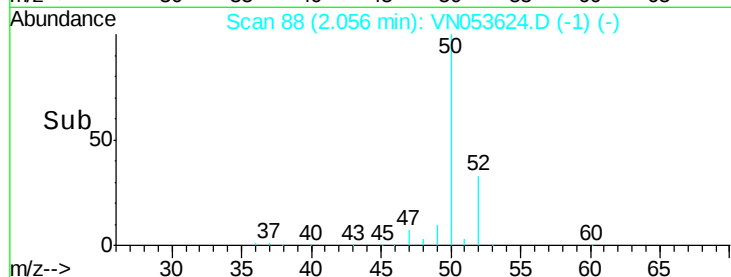
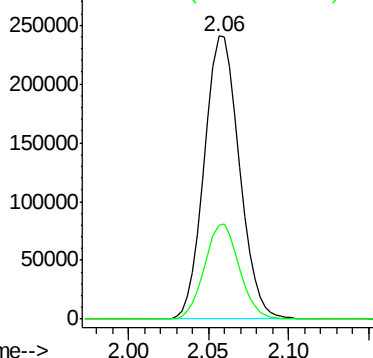
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2/7/2019 11:04:10 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.665 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053624.D

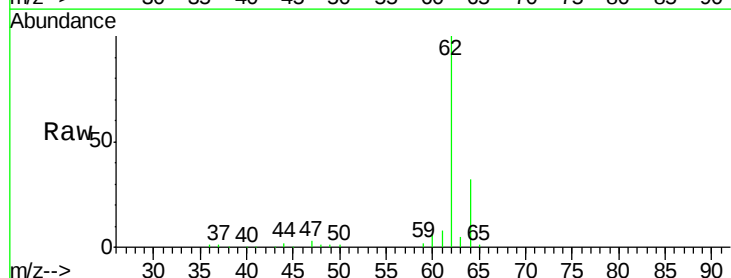
Acq: 6 Feb 2019 9:58

Tgt Ion: 62 Resp: 356288

Ion Ratio Lower Upper

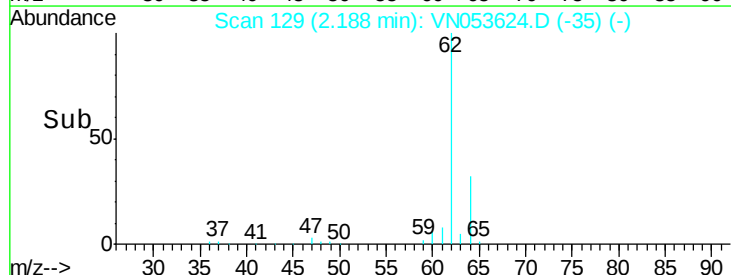
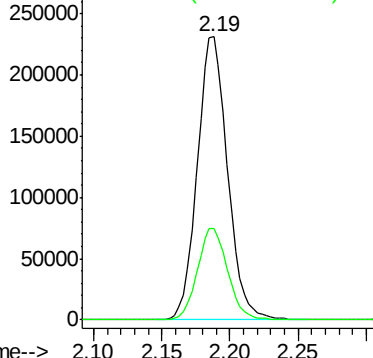
62 100

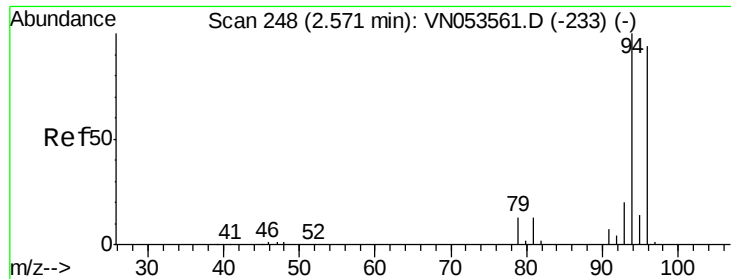
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 44.780 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tot Ion: 94 Resp: 233556

Ion Ratio Lower Upper

94 100

96 93.2 76.8 115.2

Instrument :

MSVOA_N

ClientSampled :

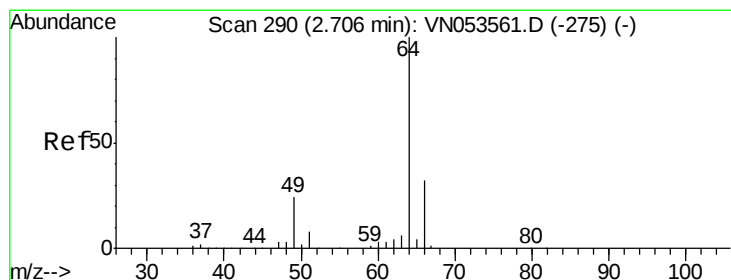
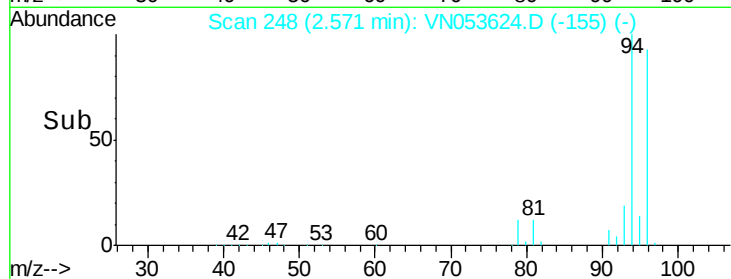
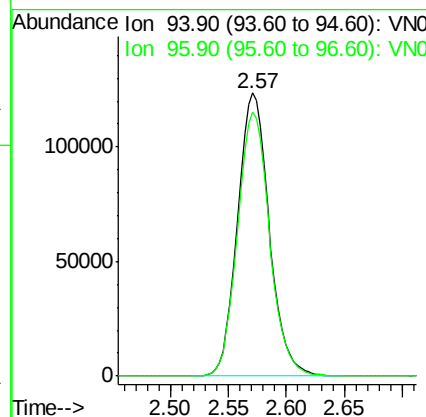
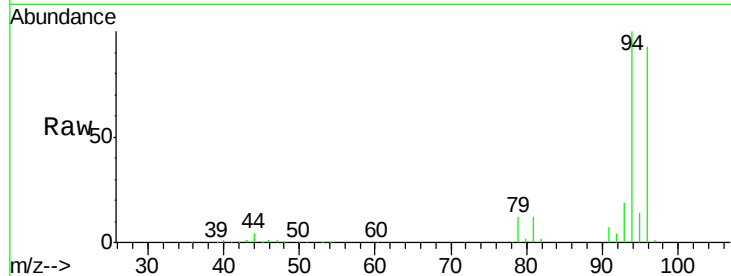
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 44.700 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053624.D

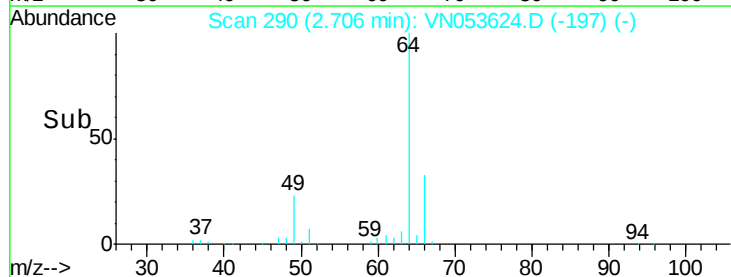
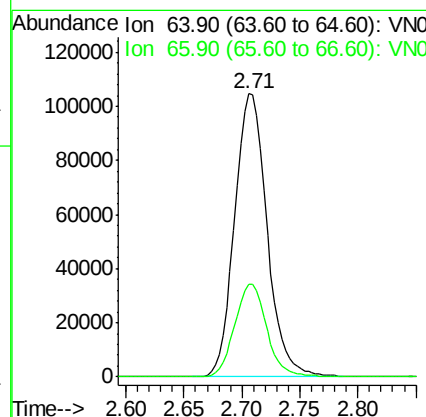
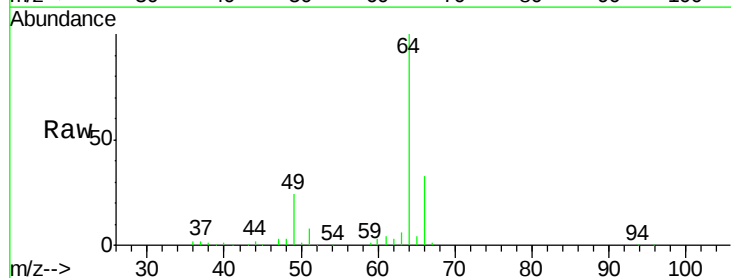
Acq: 6 Feb 2019 9:58

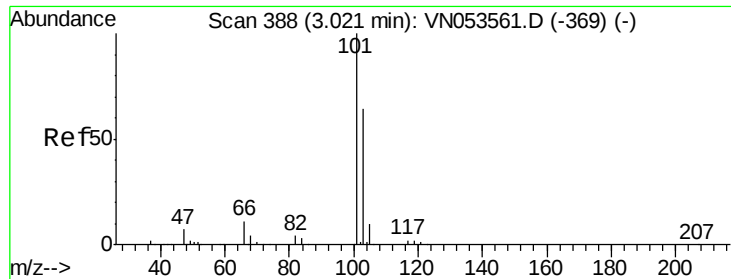
Tgt Ion: 64 Resp: 203760

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

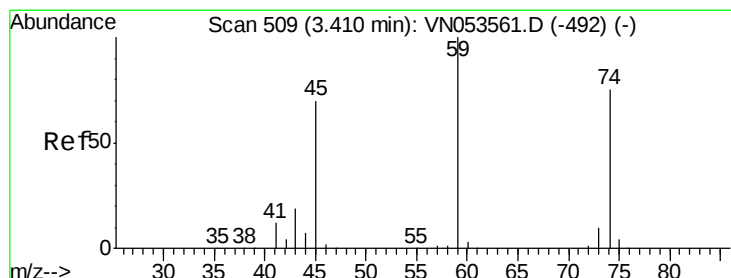
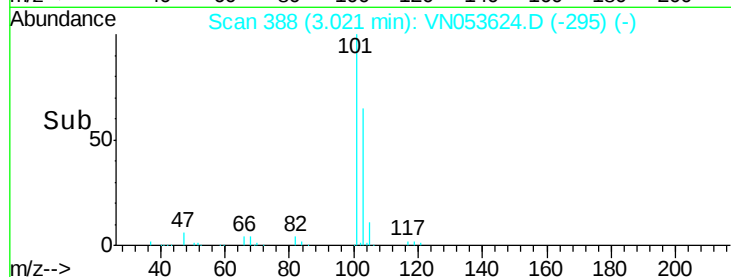
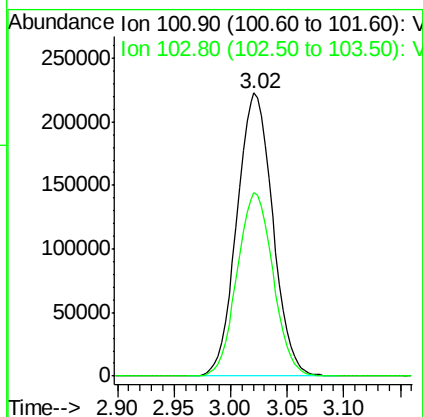
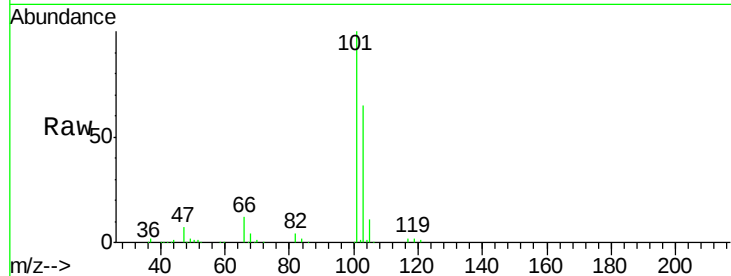
Trichlorofluoromethane
 Concen: 45.491 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

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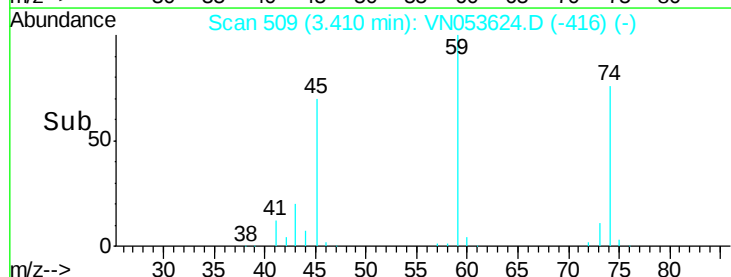
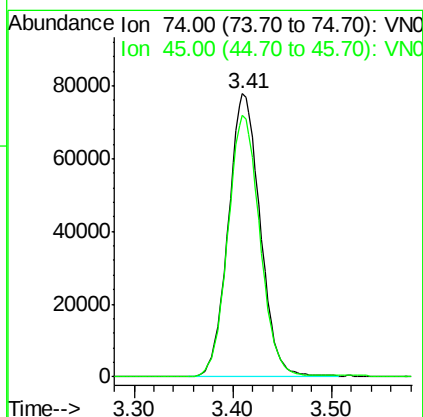
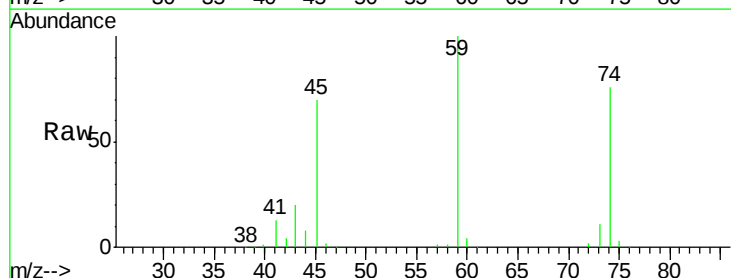
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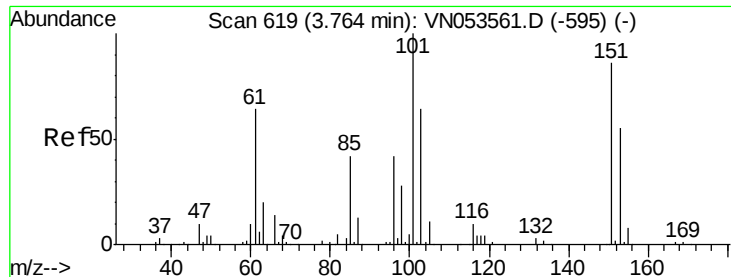


#8

Diethyl Ether
 Concen: 44.423 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.633 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

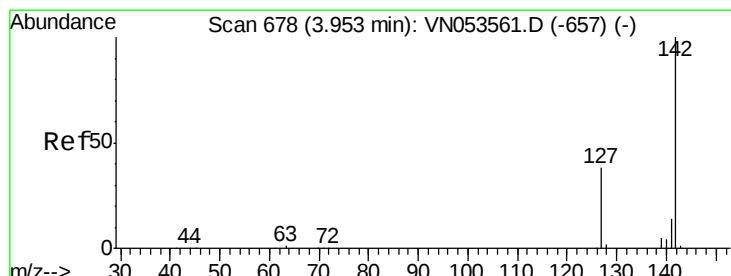
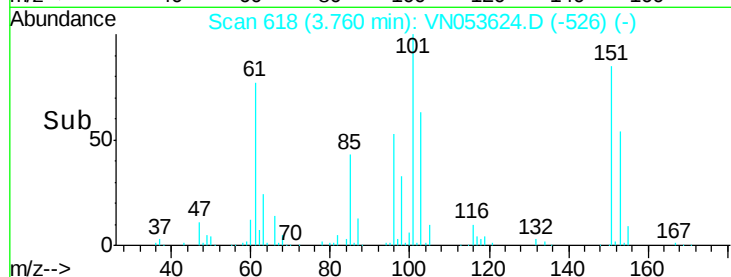
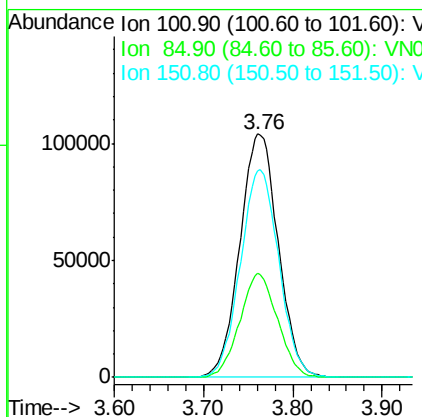
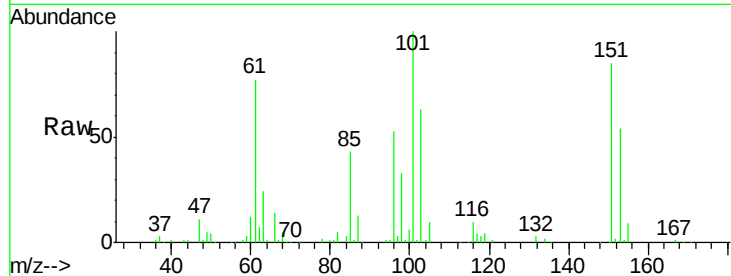
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	311970
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.8	49.2
151	85.5	66.9	100.3

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#10

Methyl Iodide

Concen: 43.894 ug/l

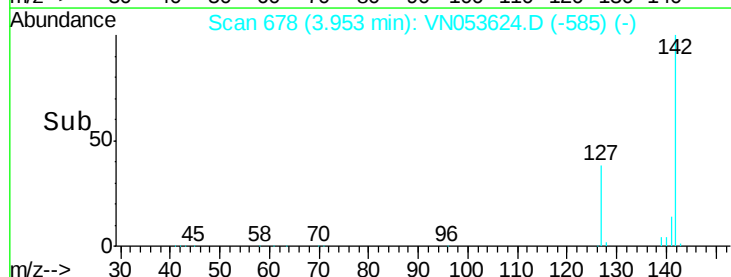
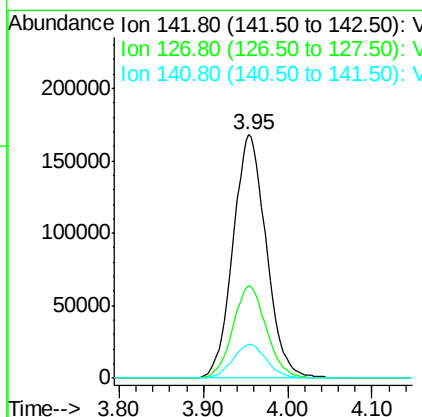
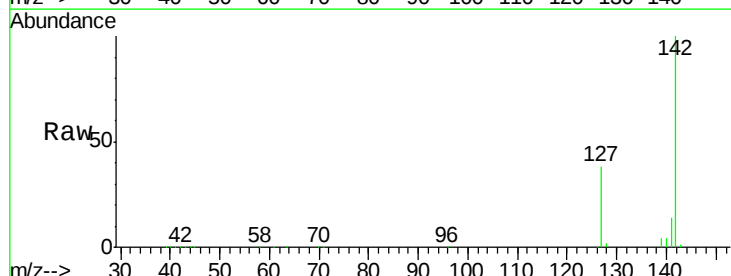
RT: 3.95 min Scan# 678

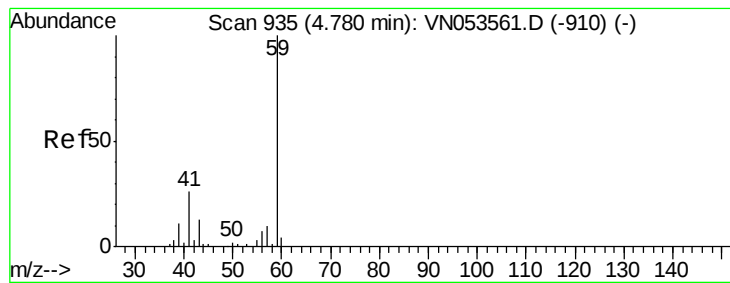
Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion:	142	Resp:	460896
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	14.2	11.1	16.7





#11

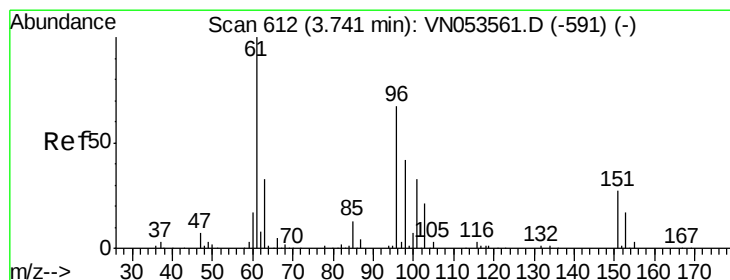
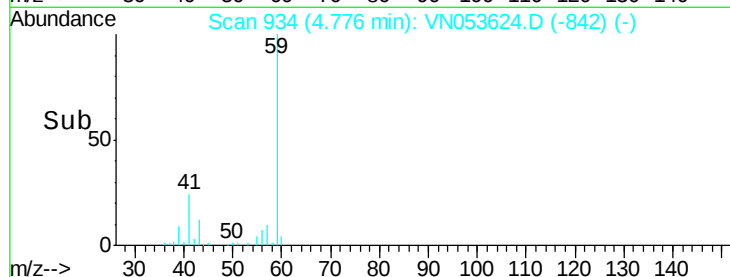
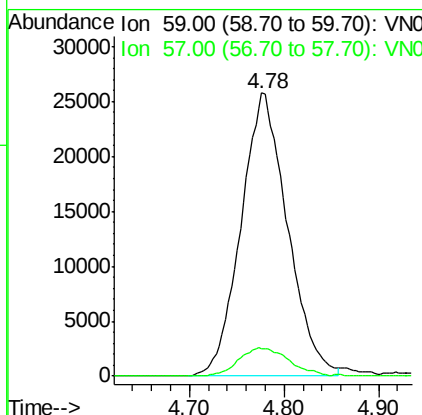
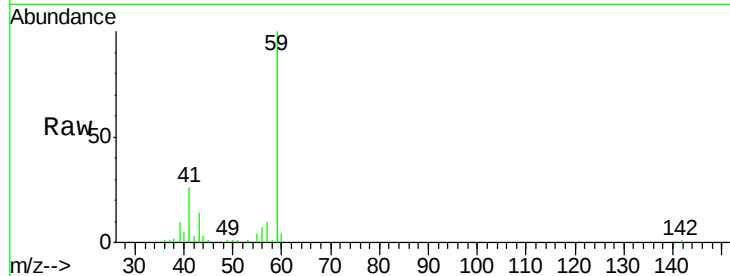
Tert butyl alcohol
 Concen: 213.967 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	59	Resp	87928
Ion Ratio	100	Lower	Upper
57	10.8	8.2	12.4

Manual Integrations
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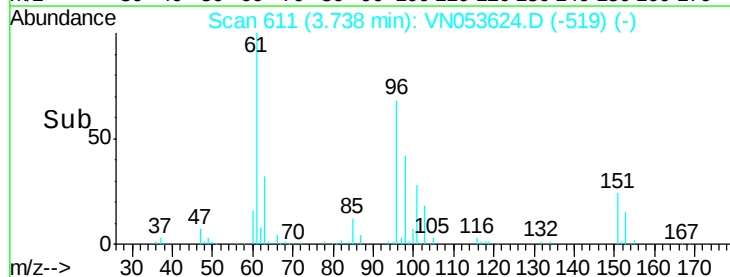
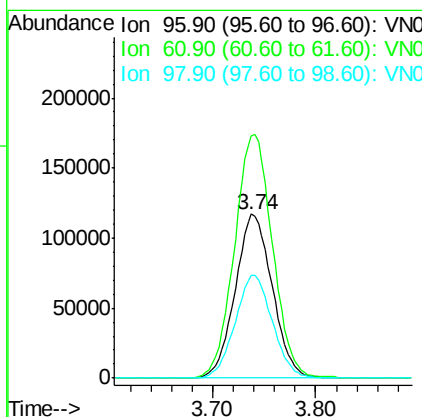
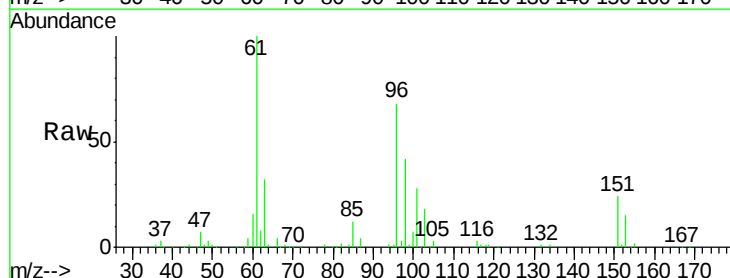
MMDadoda
 2/7/2019 11:04:10 AM

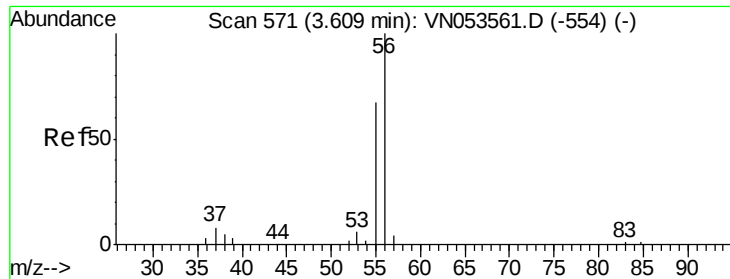


#12

1,1-Dichloroethene
 Concen: 45.608 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	96	Resp	292327
Ion Ratio	100	Lower	Upper
61	147.9	122.9	184.3
98	62.5	49.4	74.0





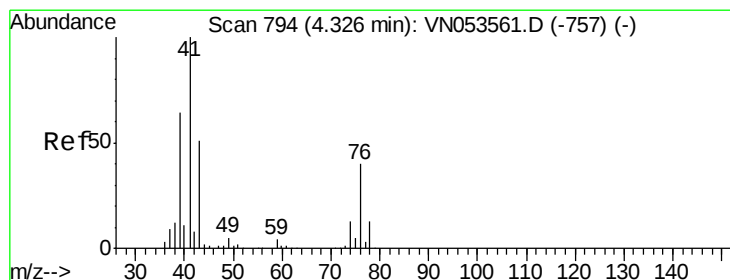
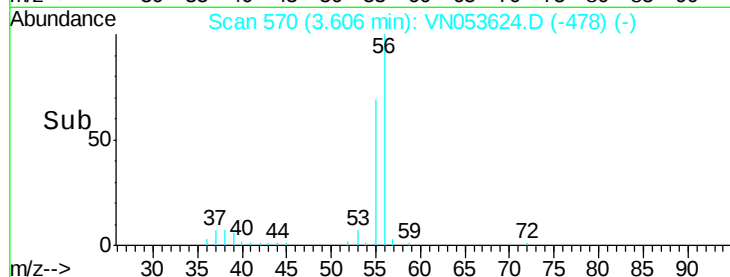
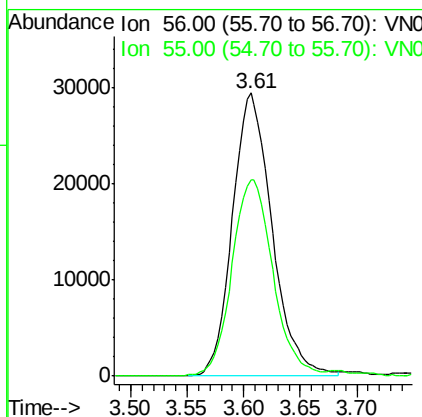
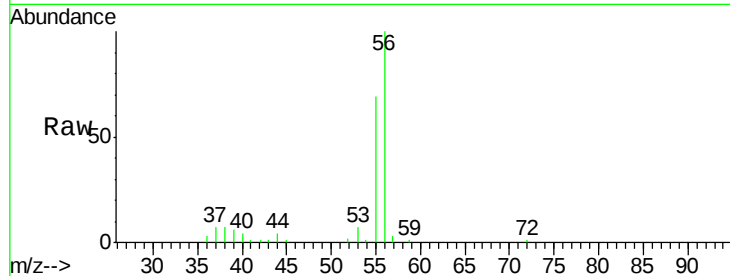
#13
Acrolein
Concen: 320.402 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	71687
Ion Ratio	100	Lower	Upper
55	71.7	57.4	86.0

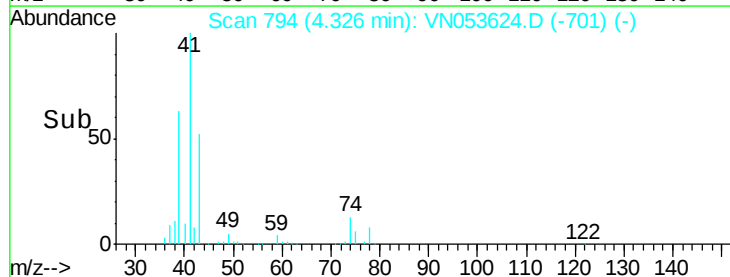
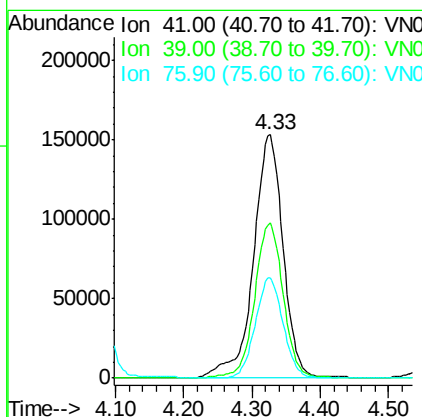
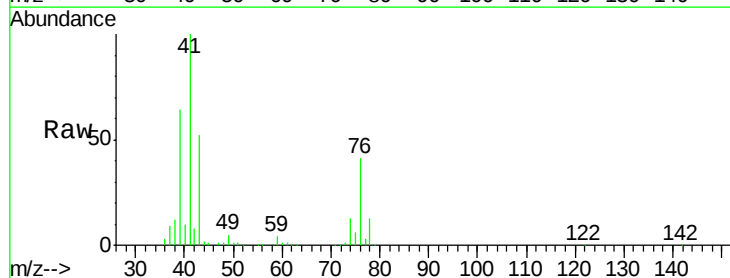
Manual Integrations
APPROVED

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2/7/2019 11:04:10 AM



#14
Allyl chloride
Concen: 45.385 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	41	Resp	463171
Ion Ratio	100	Lower	Upper
39	61.1	48.9	73.3
76	38.0	29.4	44.2





#15

Acrylonitrile

Concen: 228.374 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

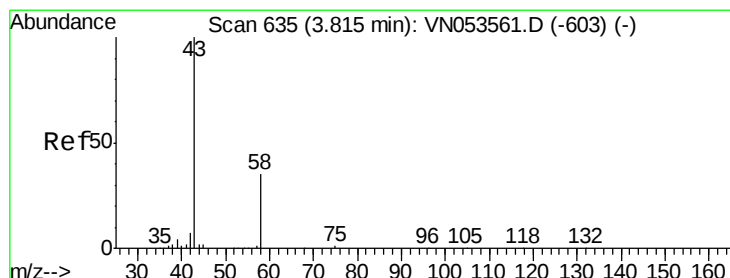
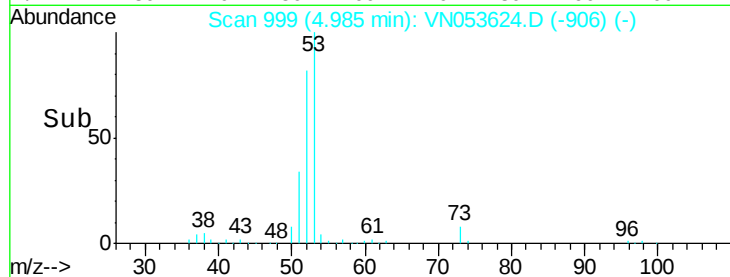
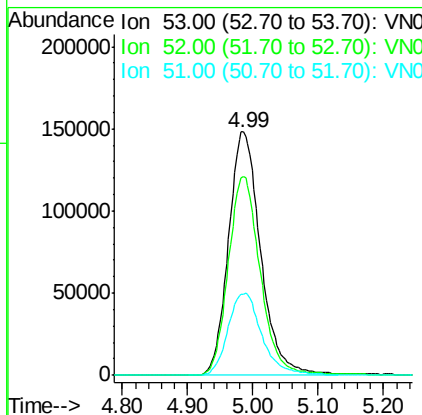
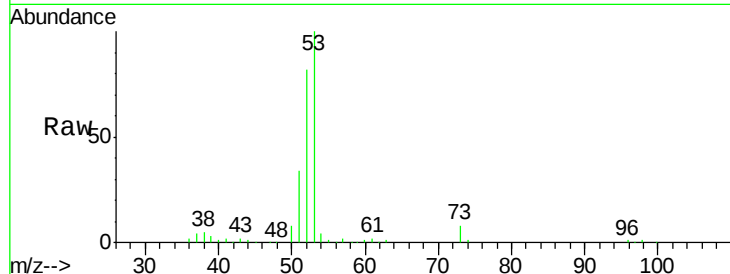
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	506642
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.0	99.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 286.602 ug/l

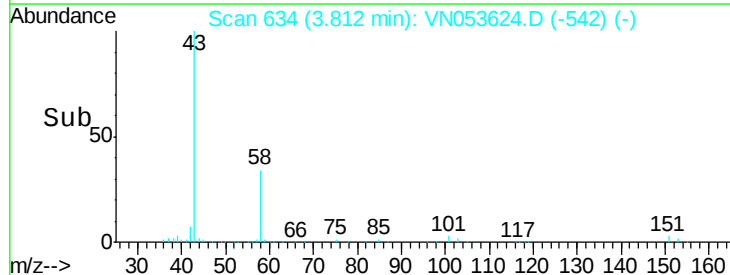
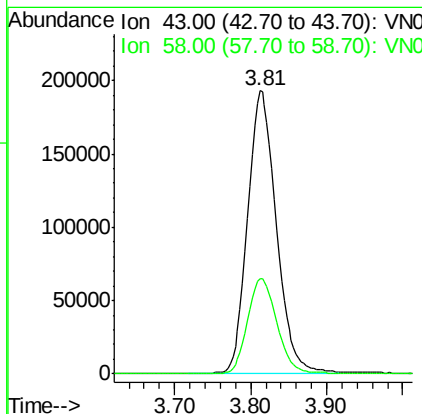
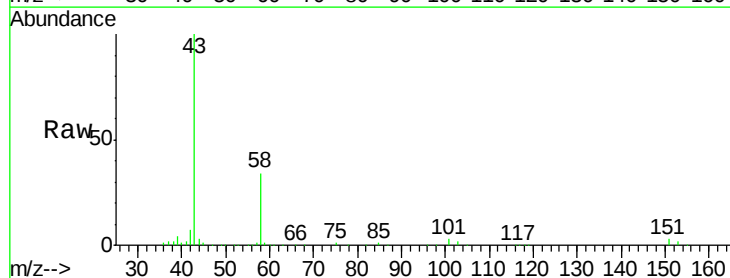
RT: 3.81 min Scan# 634

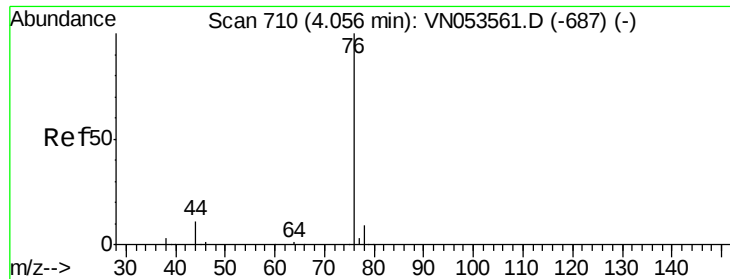
Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion:	43	Resp:	510456
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.1	40.7





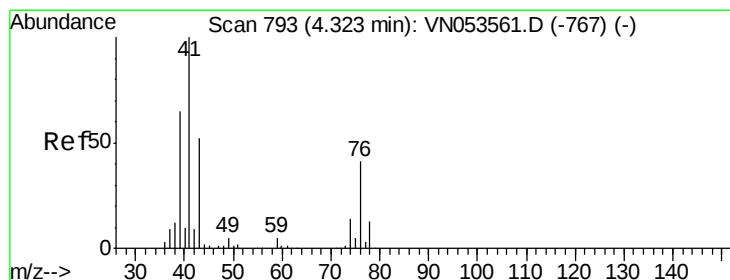
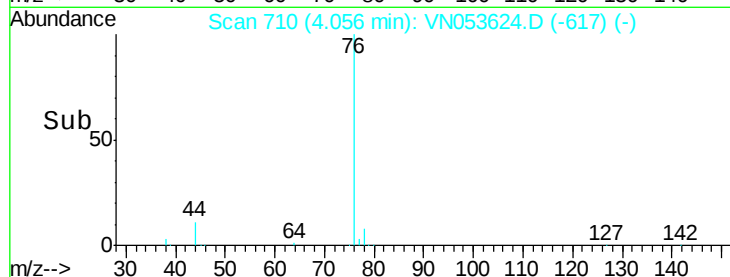
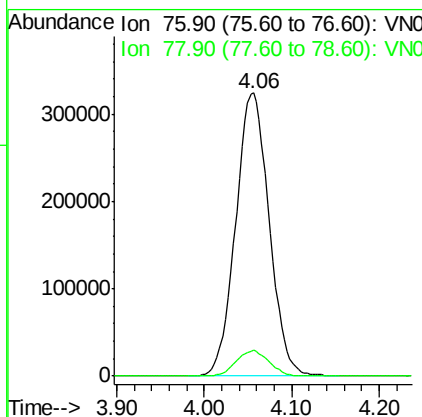
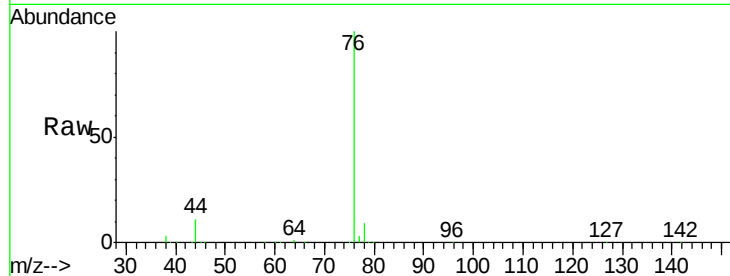
#17
Carbon Disulfide
Concen: 43.162 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

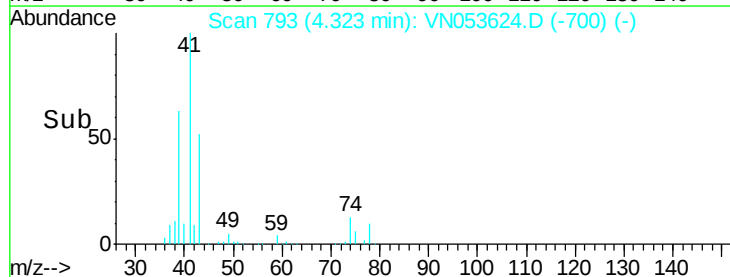
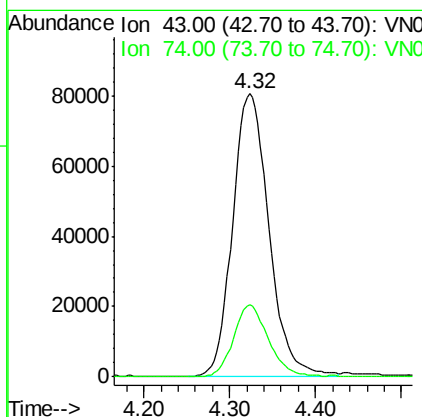
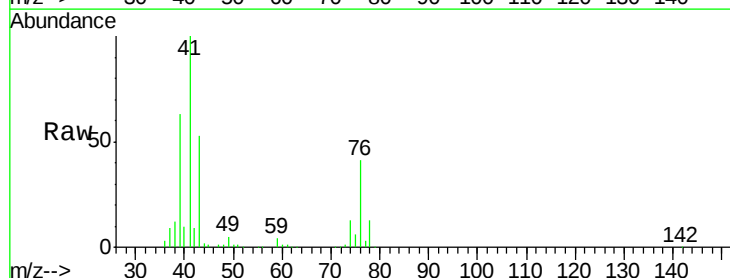
Manual Integrations
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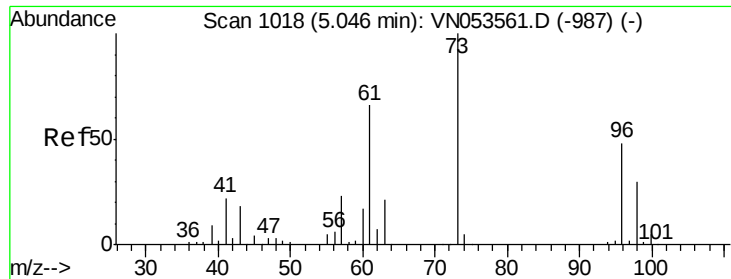
MMDadoda
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#18
Methyl Acetate
Concen: 44.546 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.2





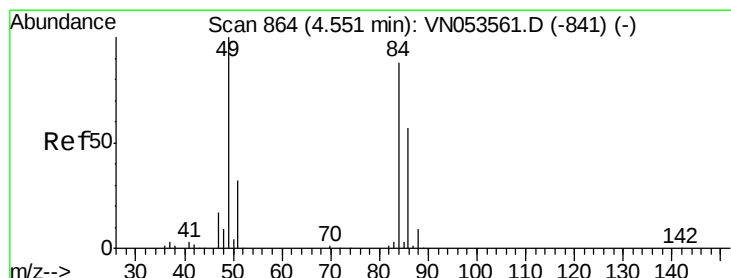
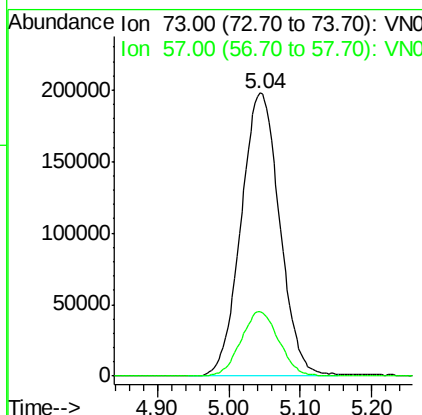
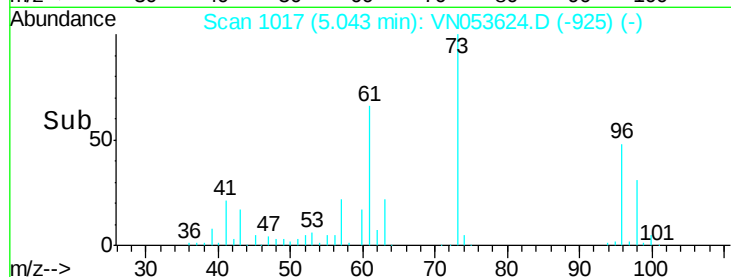
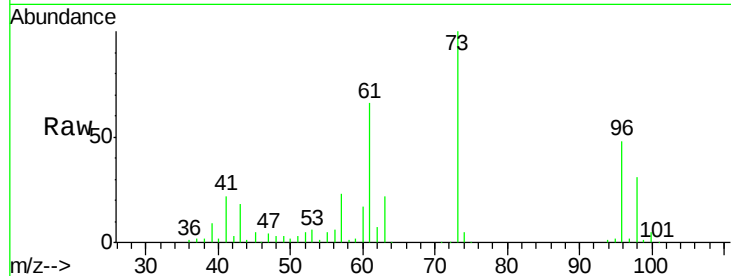
#19
Methvl tert-butvl Ether
Concen: 45.857 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 745105
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

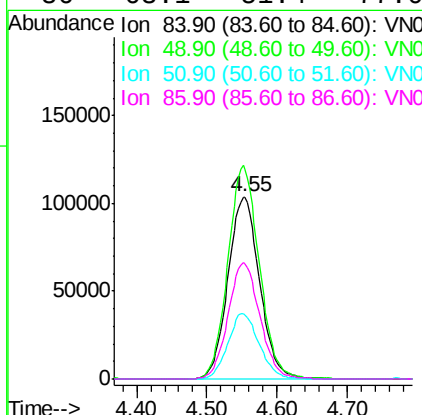
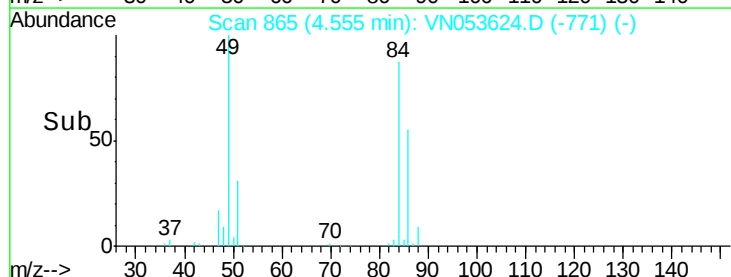
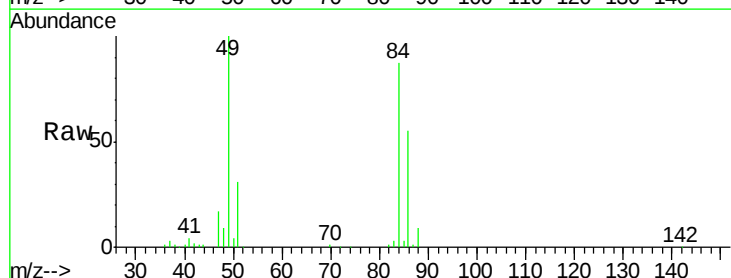
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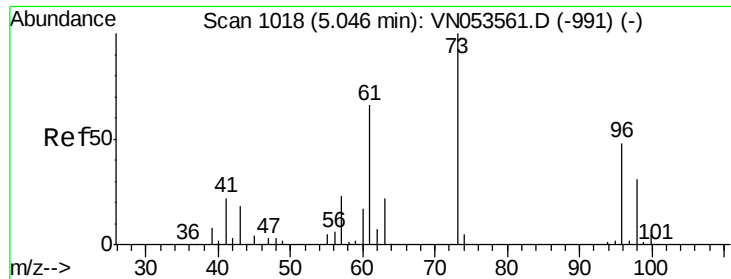
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#20
Methylene Chloride
Concen: 43.550 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 84 Resp: 325418
Ion Ratio Lower Upper
84 100
49 115.0 94.3 141.5
51 35.2 29.4 44.2
86 63.1 51.4 77.0





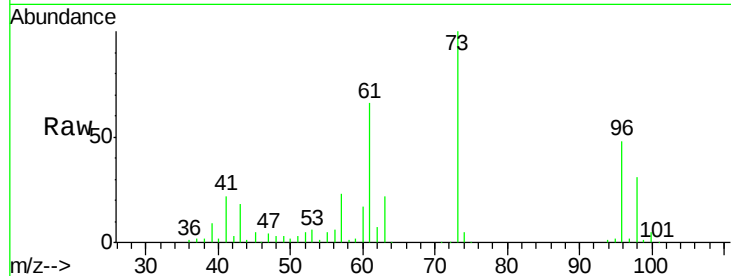
#21
trans-1,2-Dichloroethene
Concen: 44.599 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

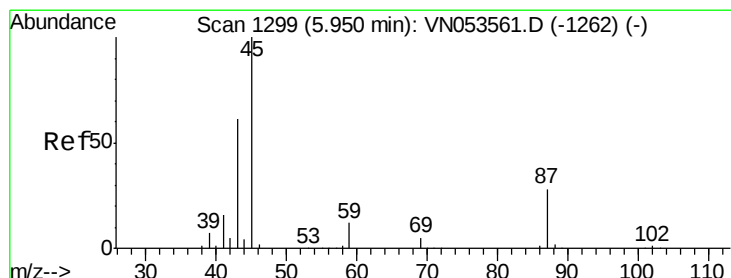
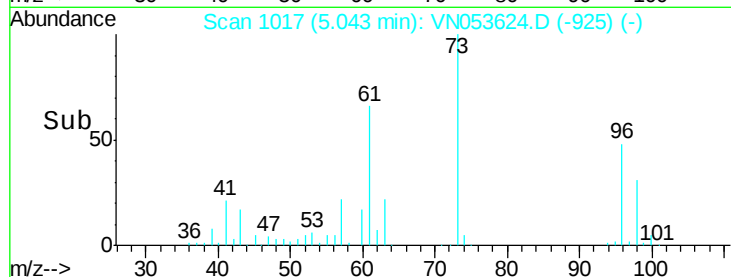
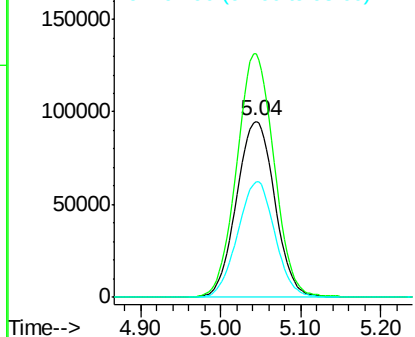
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	110.1	165.1
98	65.4	50.0	75.0

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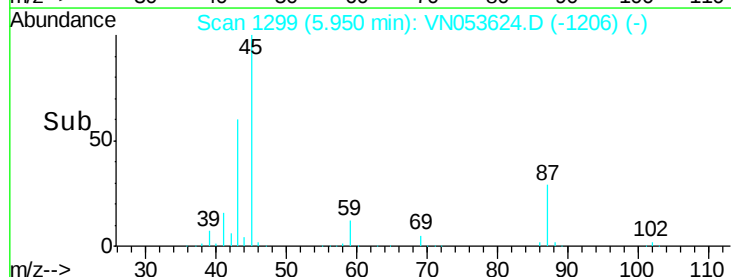
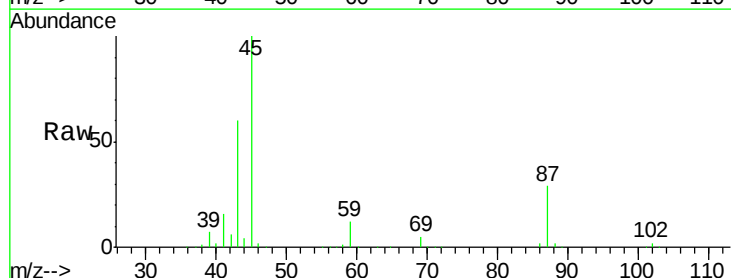
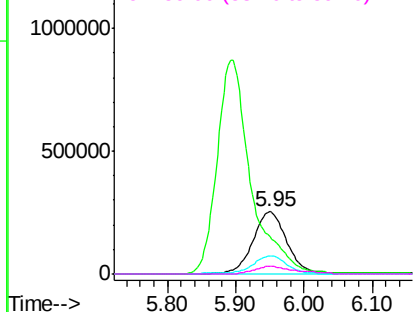
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

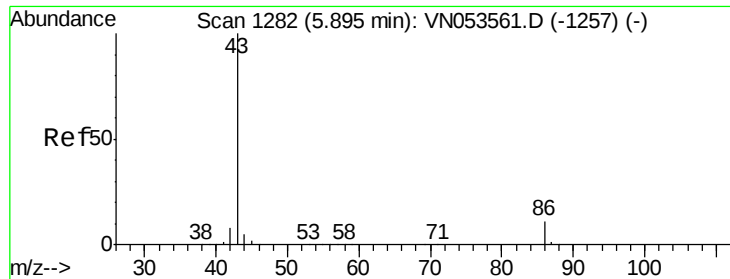


#22
Diisopropyl ether
Concen: 46.648 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	44.2	66.4
87	28.7	22.7	34.1
59	12.2	9.4	14.2

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





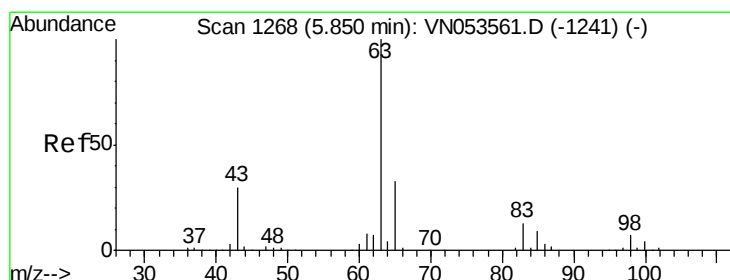
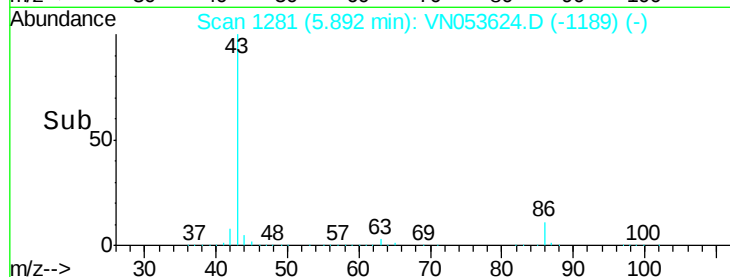
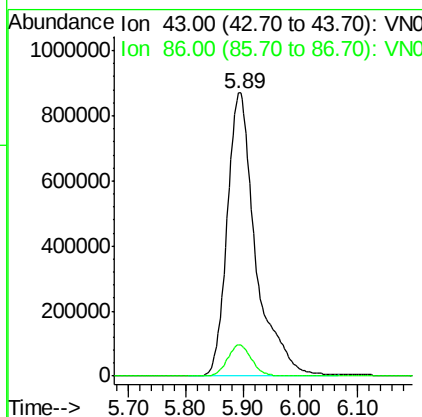
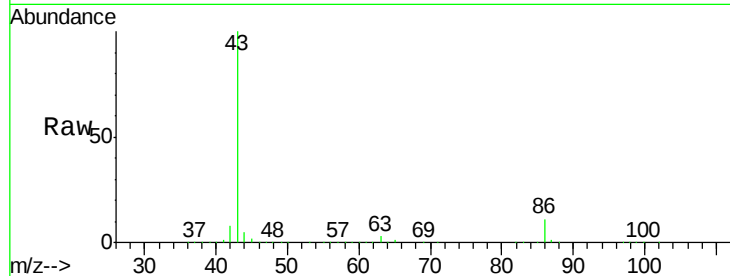
#23
 Vinyl Acetate
 Concen: 230.336 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3013125
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6

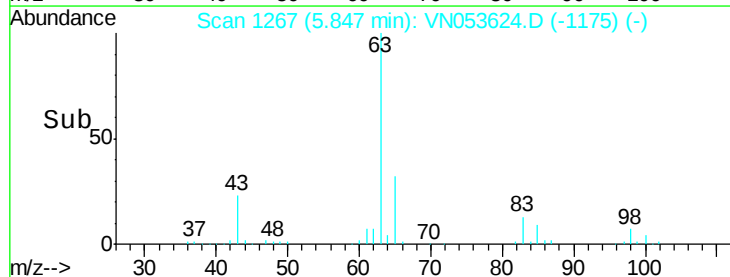
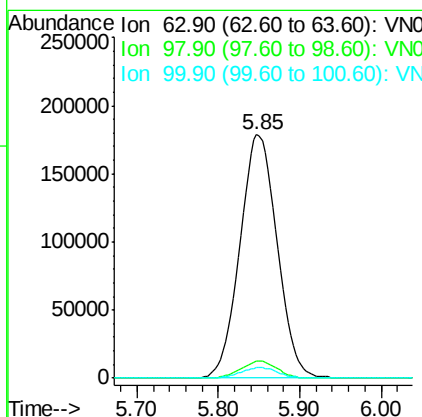
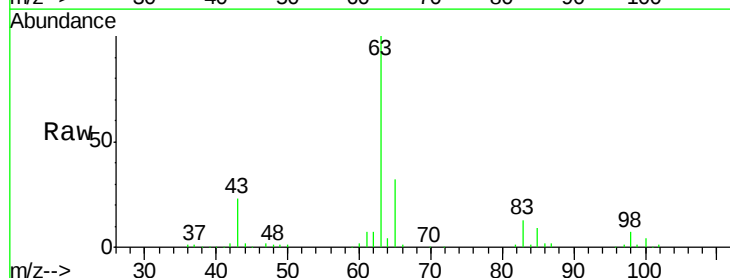
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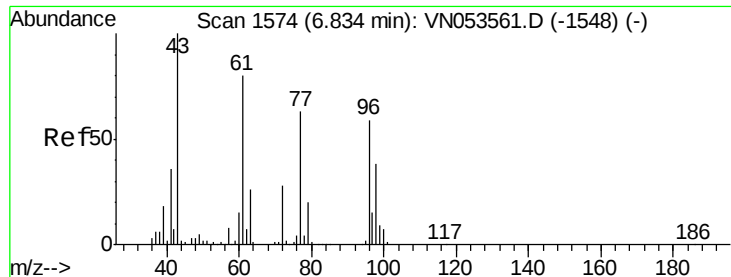
MMDadoda
 2/7/2019 11:04:10 AM



#24
 1,1-Dichloroethane
 Concen: 44.740 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion: 63 Resp: 564289
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 246.774 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 626852

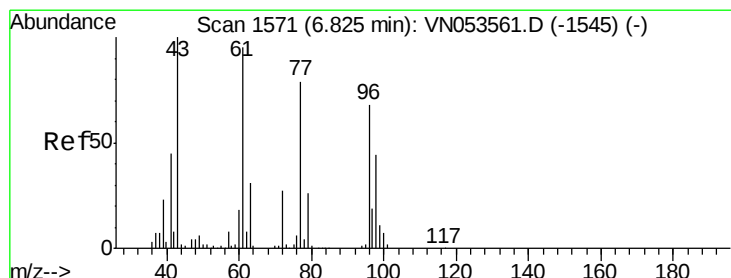
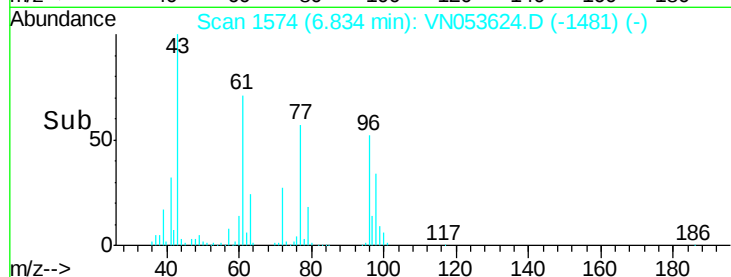
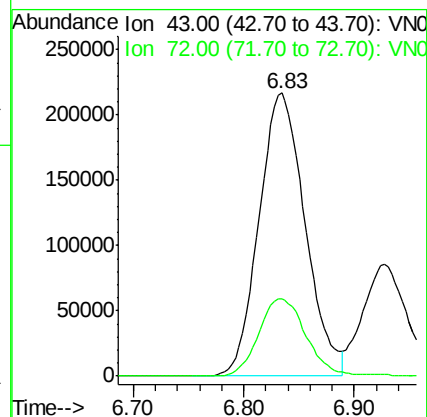
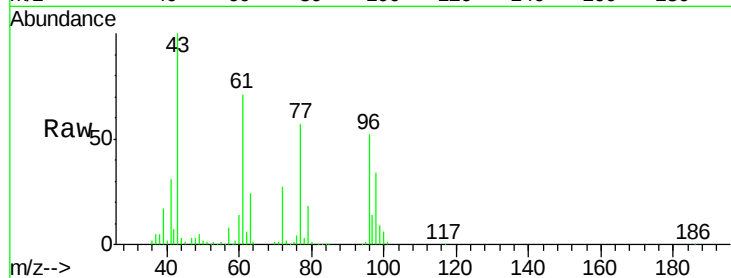
Ion Ratio Lower Upper

43 100

72 27.4 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 45.281 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053624.D

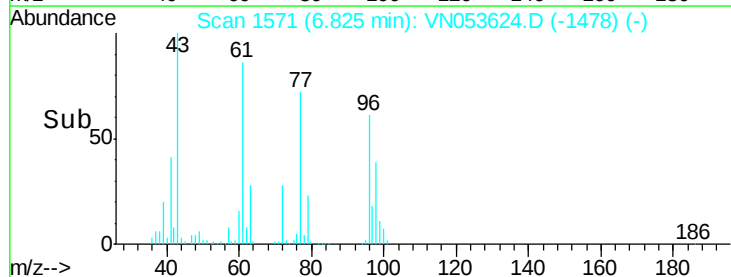
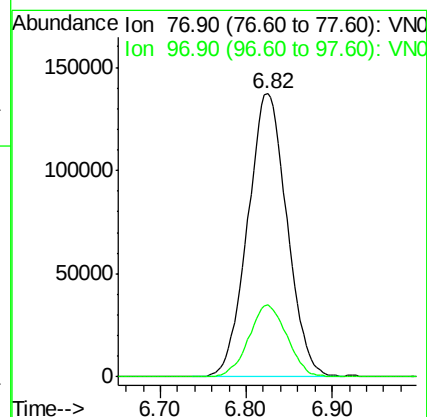
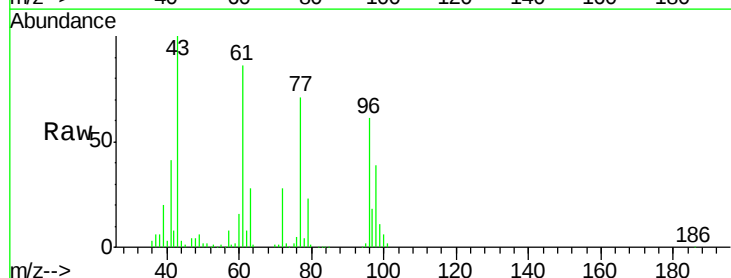
Acq: 6 Feb 2019 9:58

Tgt Ion: 77 Resp: 435961

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 45.494 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

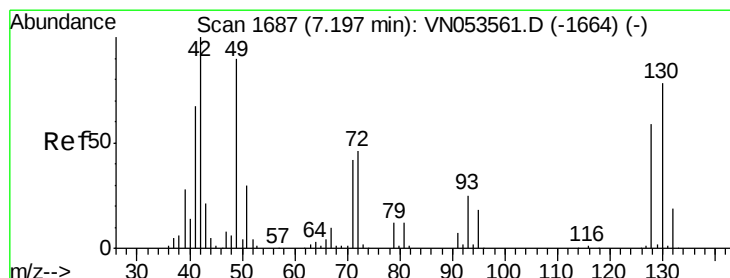
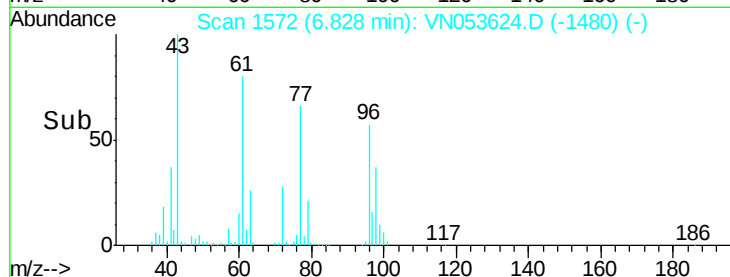
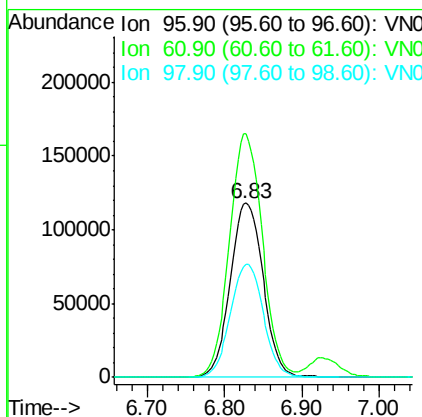
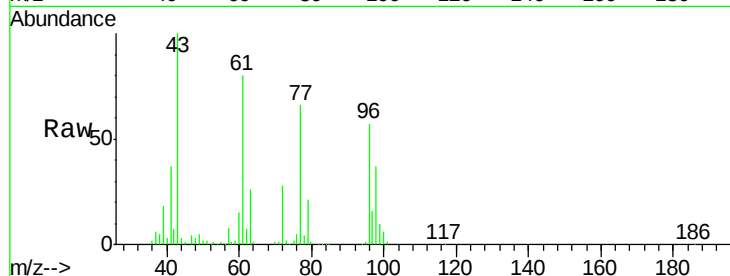
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	349810
Ion Ratio	Lower	Upper	
96	100		
61	139.7	0.0	283.8
98	65.0	0.0	129.2

Manual Integrations
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2/7/2019 11:04:10 AM



#28

Bromochloromethane

Concen: 48.461 ug/l

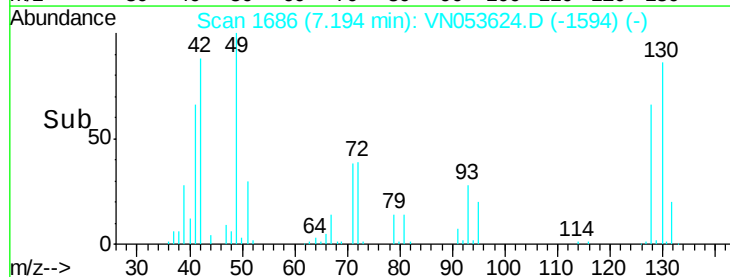
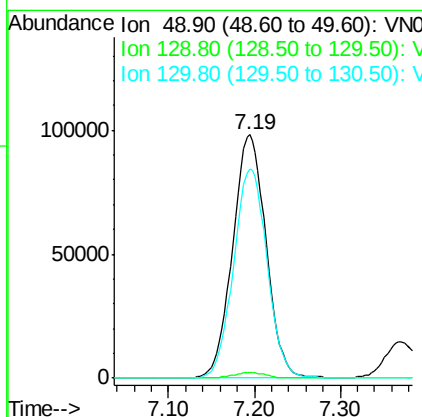
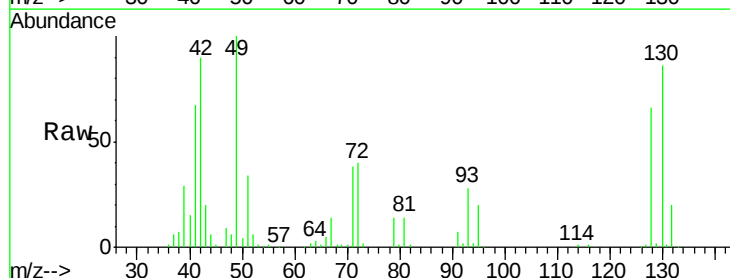
RT: 7.19 min Scan# 1686

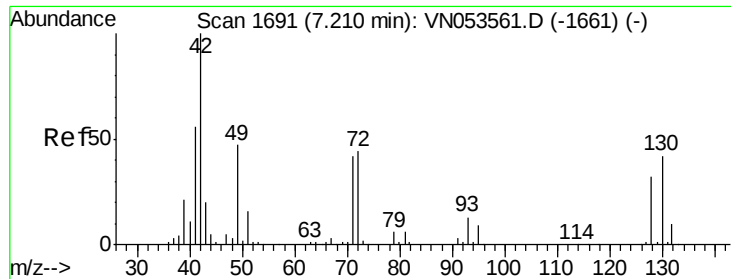
Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion:	49	Resp:	265243
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	86.3	66.3	99.5





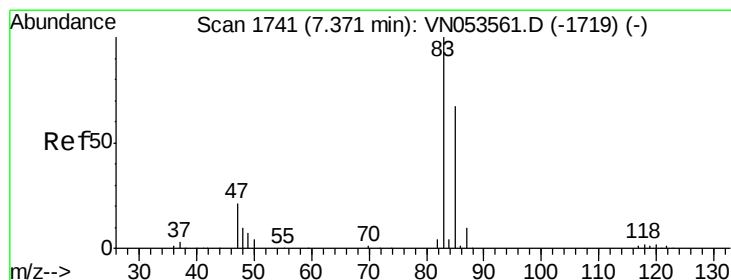
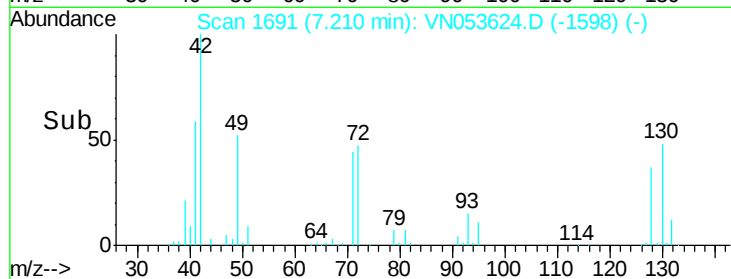
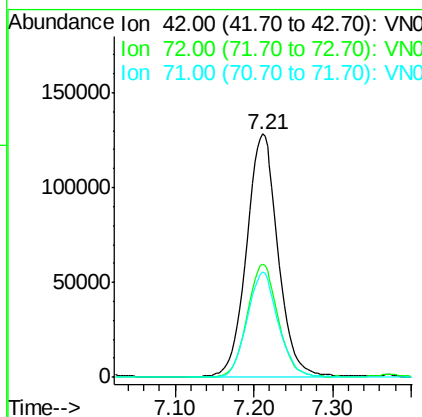
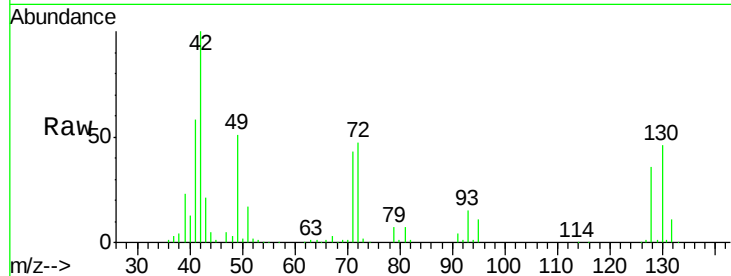
#29
Tetrahydrofuran
Concen: 222.161 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.2	52.8
71	42.8	33.0	49.4

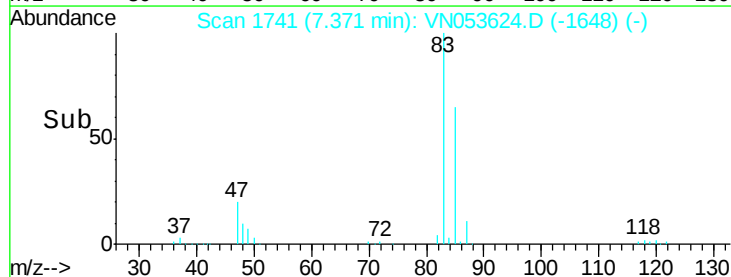
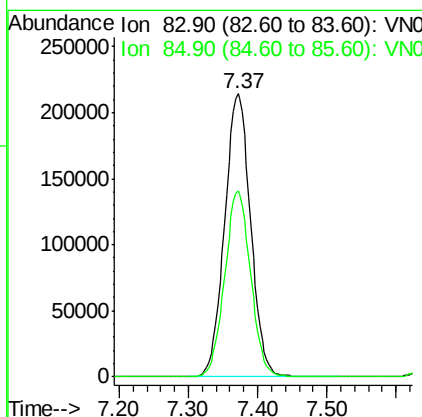
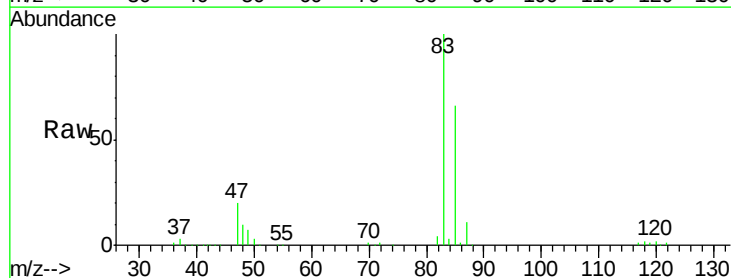
Manual Integrations
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#30
Chloroform
Concen: 44.858 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





#31

Cyclohexane

Concen: 43.714 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

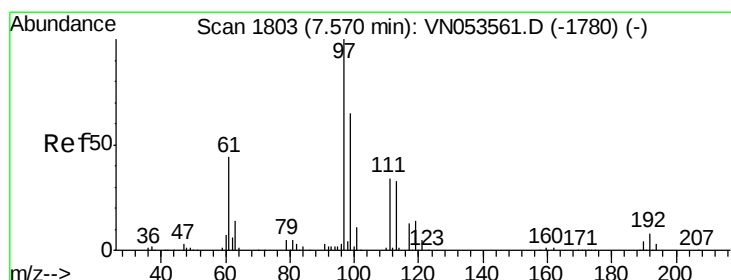
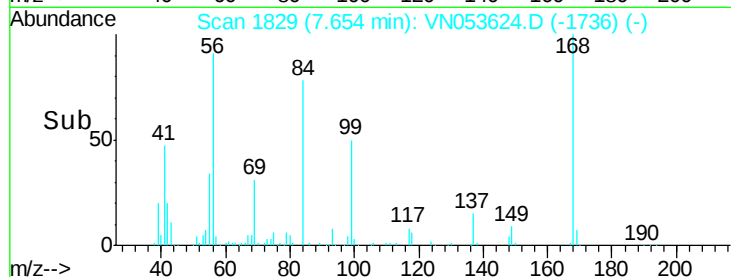
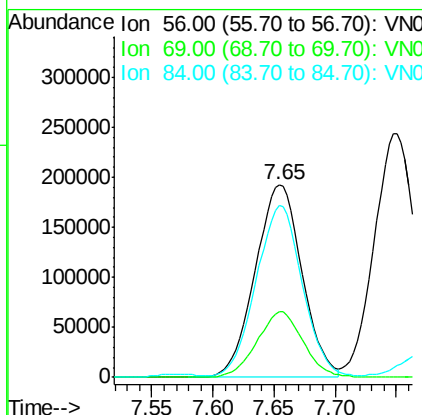
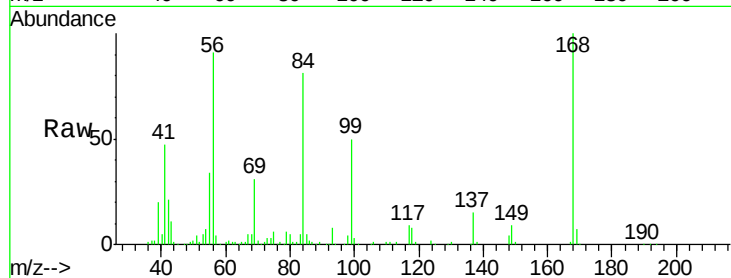
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	513581
Ion Ratio	Lower	Upper	
56	100		
69	33.8	26.4	39.6
84	87.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.515 ug/l

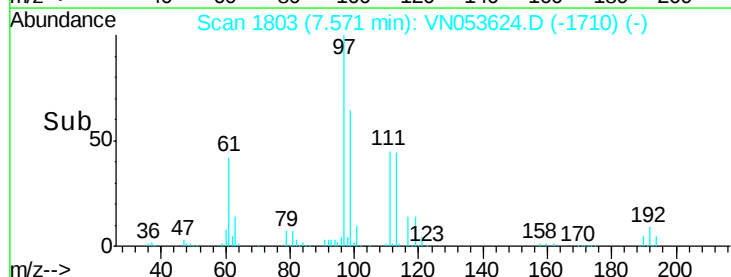
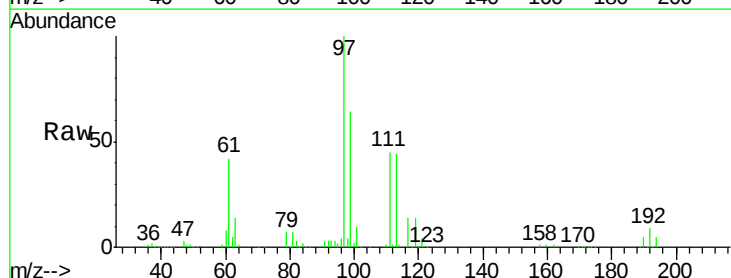
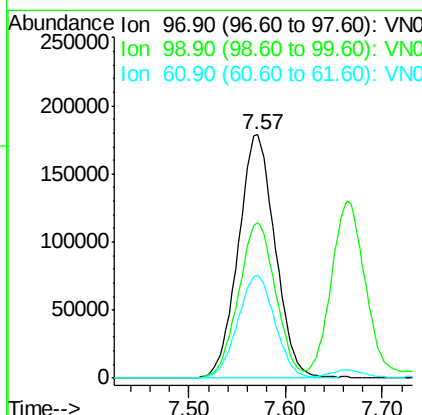
RT: 7.57 min Scan# 1803

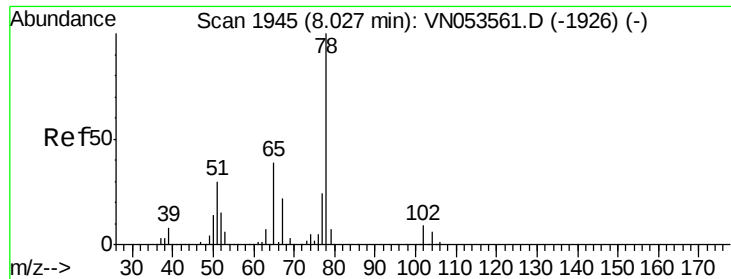
Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion:	97	Resp:	473581
Ion Ratio	Lower	Upper	
97	100		
99	64.2	52.0	78.0
61	42.5	34.4	51.6





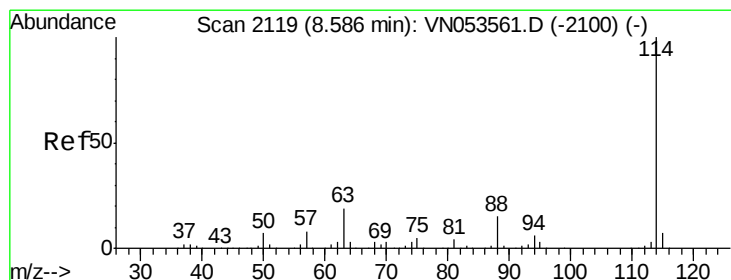
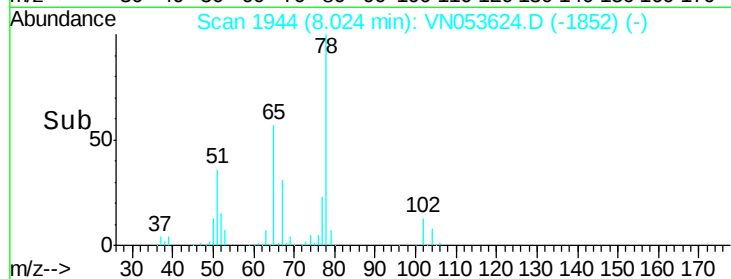
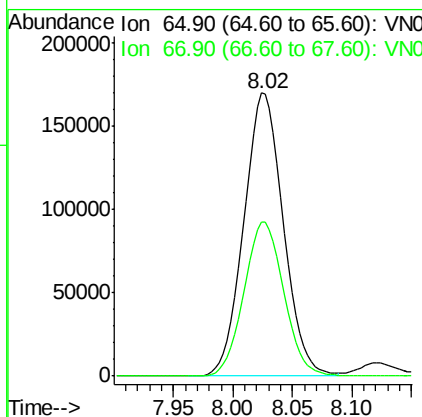
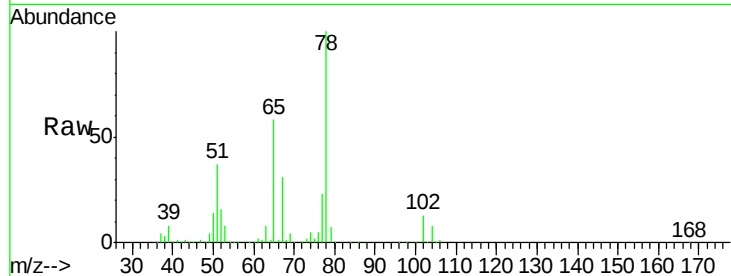
#33
 1,2-Dichloroethane-d4
 Concen: 45.515 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	391049		
67	54.9	0.0	111.2	

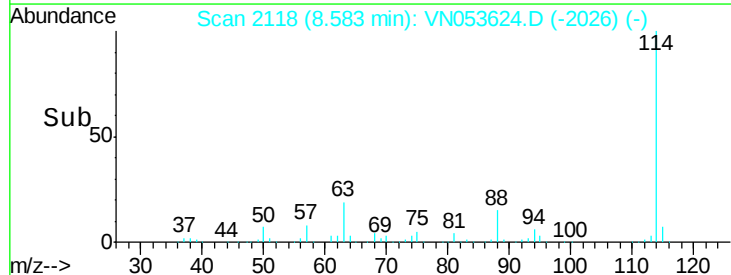
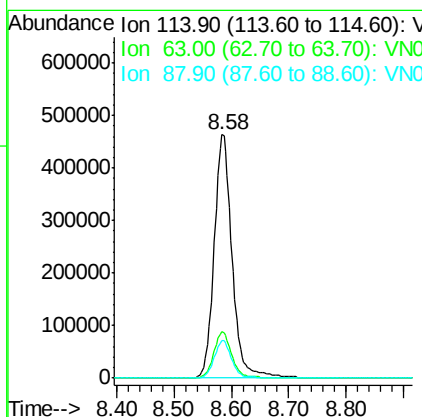
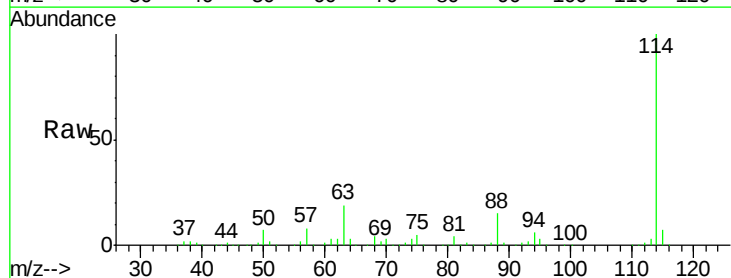
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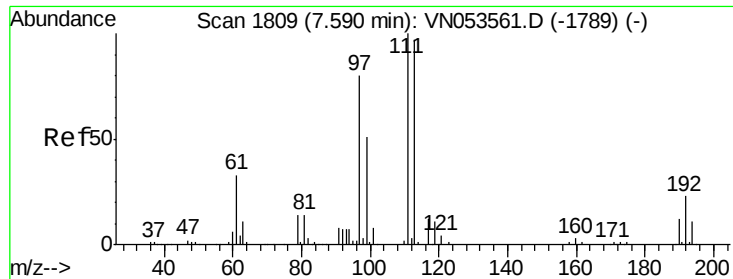
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 2/7/2019 11:04:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1013249		
63	19.0	0.0	38.6	
88	15.2	0.0	30.4	





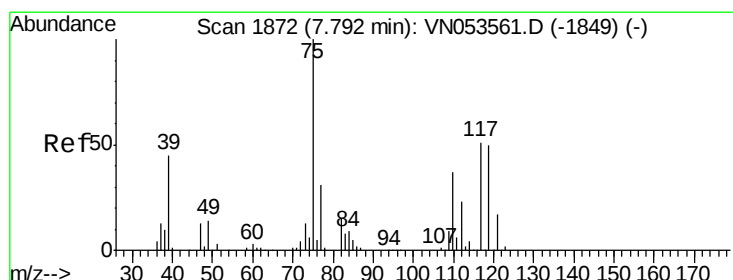
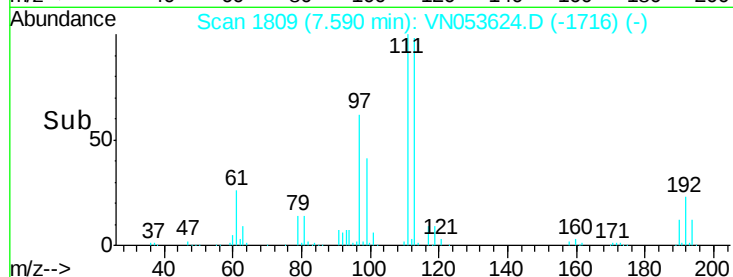
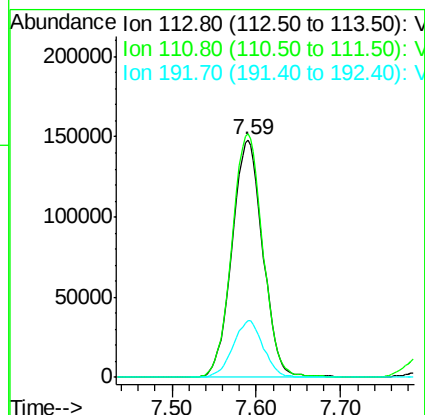
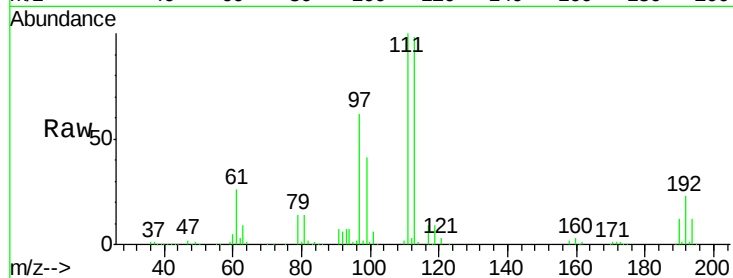
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.1	121.7	
192	23.4	18.2	27.2	

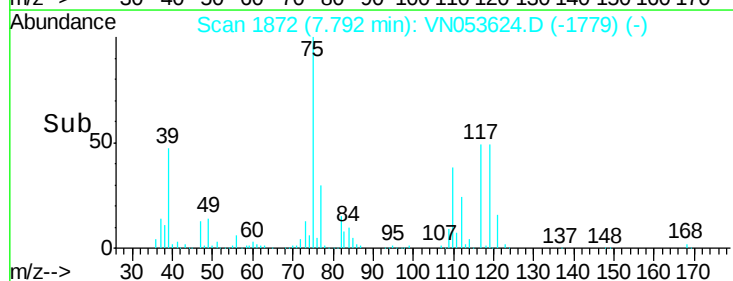
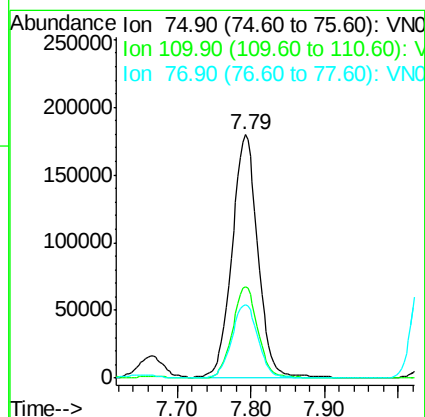
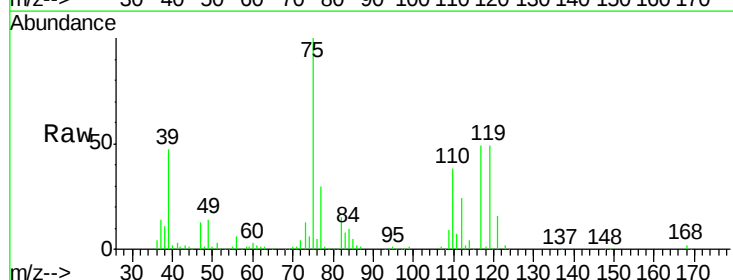
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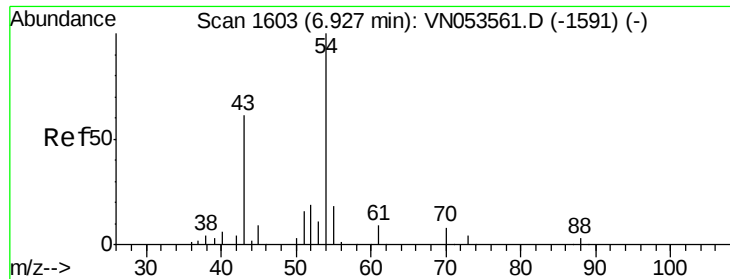
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#36
 1,1-Dichloropropene
 Concen: 47.492 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.1	54.3	
77	31.2	25.1	37.7	





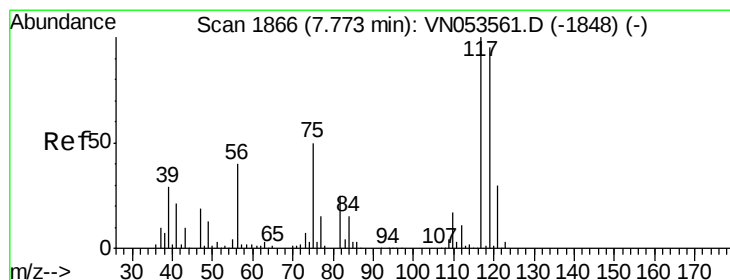
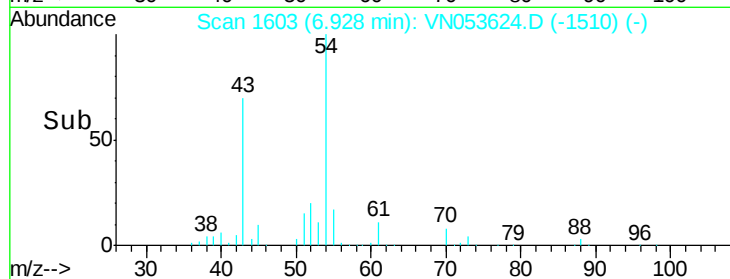
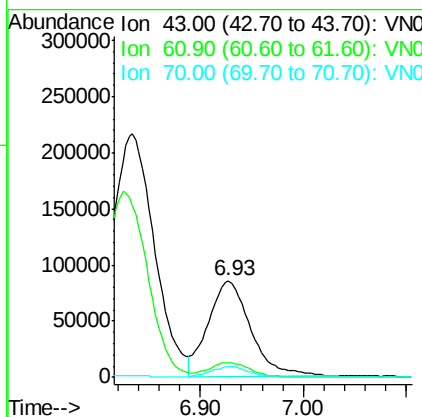
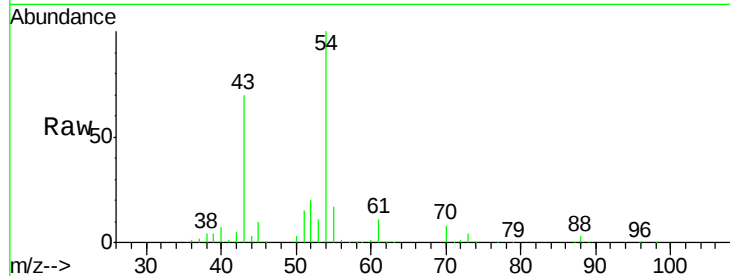
#37
Ethyl Acetate
Concen: 47.655 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.3	8.6	12.8

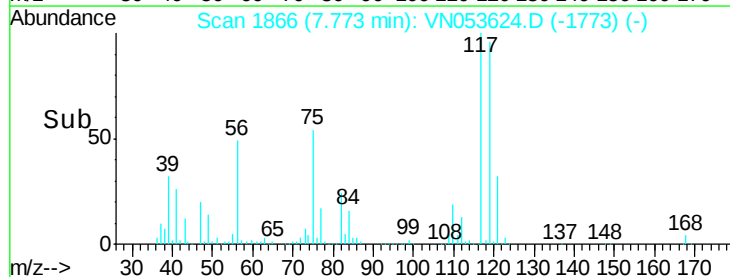
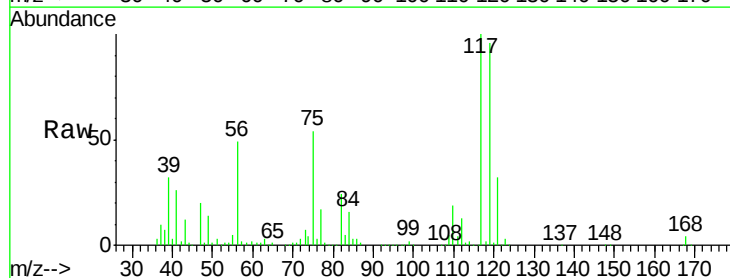
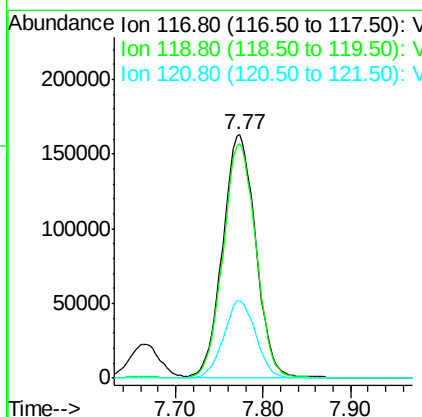
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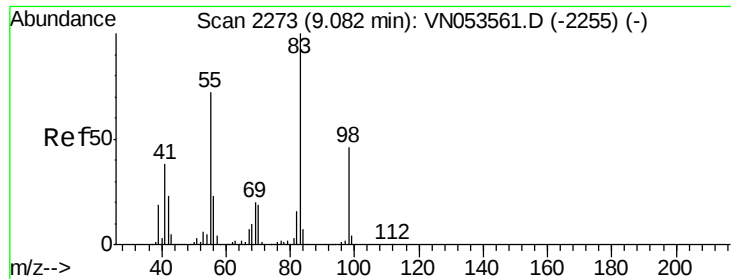
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#38
Carbon Tetrachloride
Concen: 45.983 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	32.0	24.6	37.0





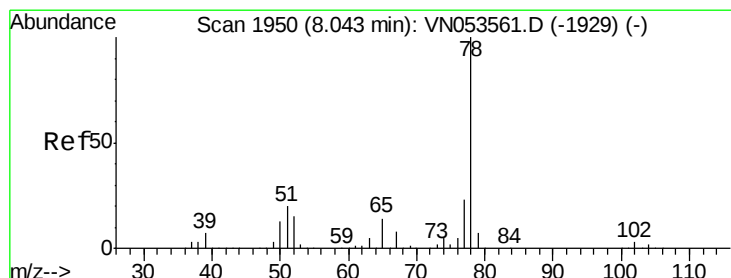
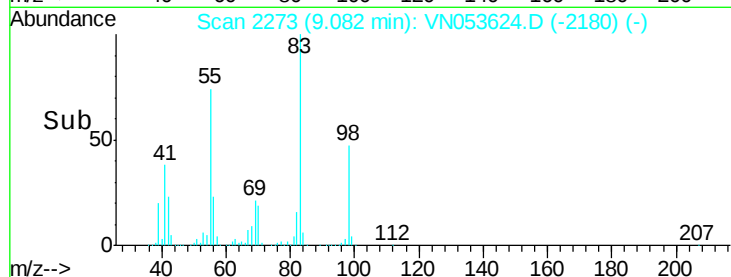
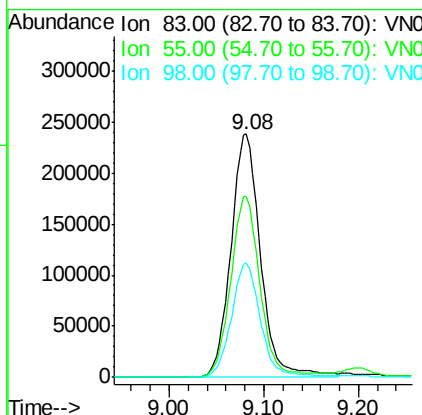
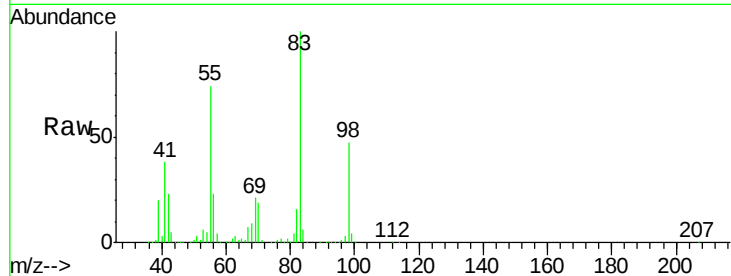
#39
Methvlcvclohexane
Concen: 47.875 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.1	90.1
98	46.8	36.6	55.0

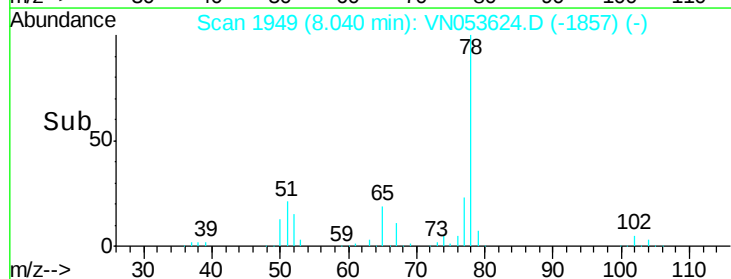
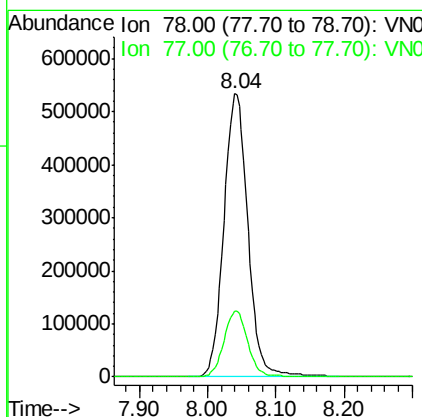
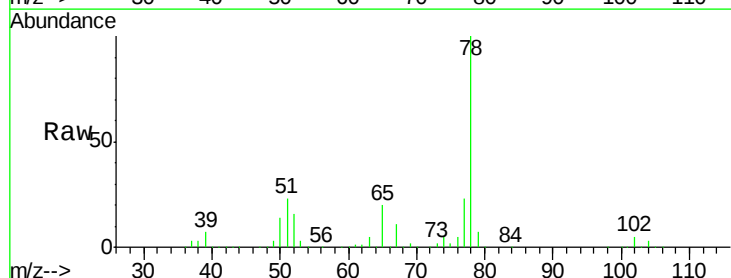
Manual Integrations
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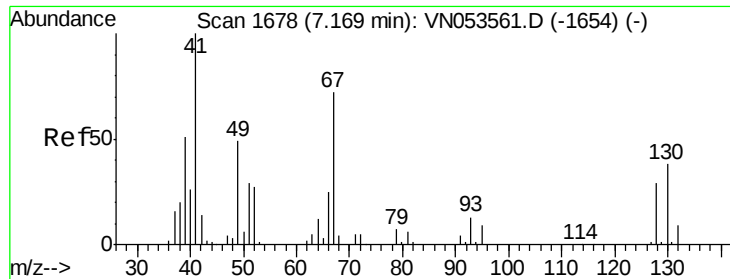
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2/7/2019 11:04:10 AM



#40
Benzene
Concen: 46.476 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





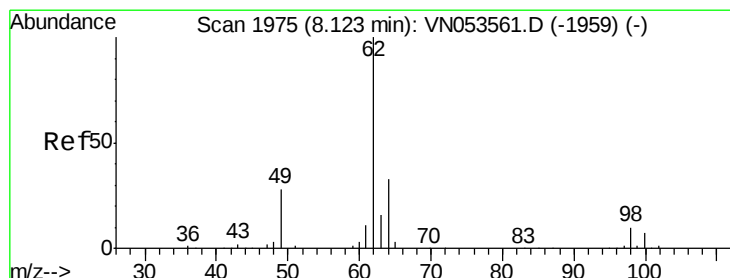
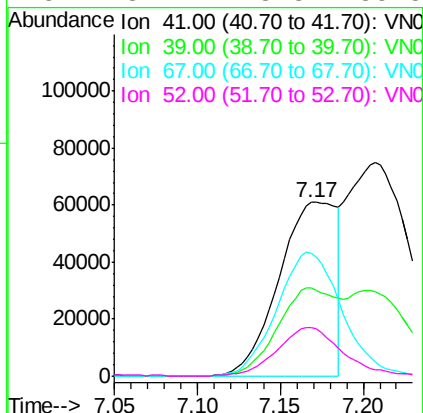
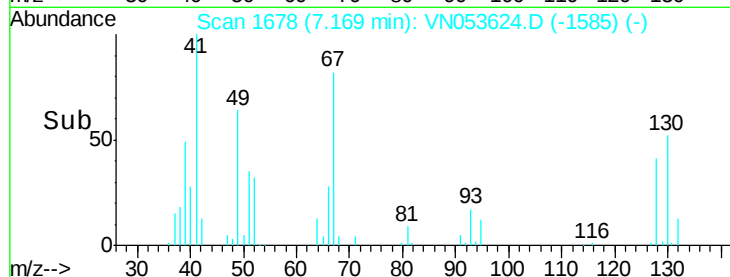
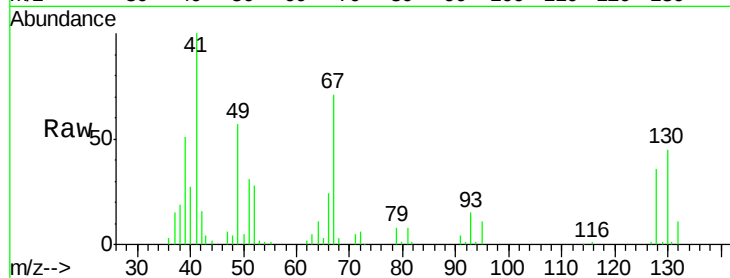
#41
Methacrylonitrile
Concen: 51.861 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	46.8	70.2	
67	81.7	63.0	94.6	
52	32.1	23.8	35.8	

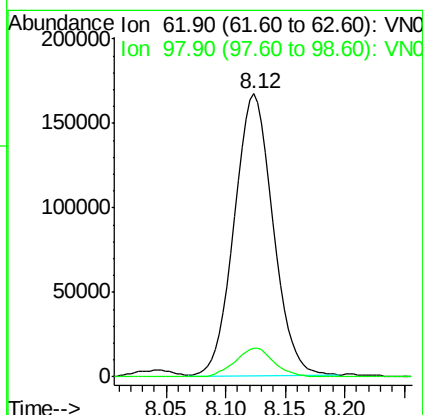
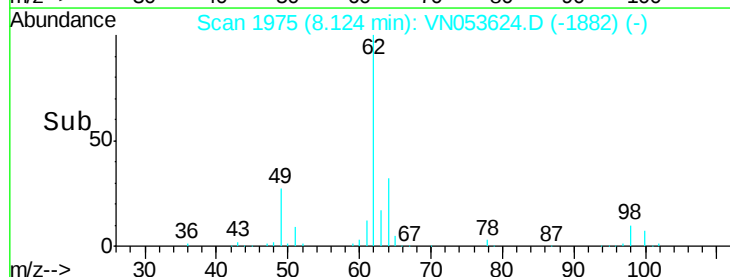
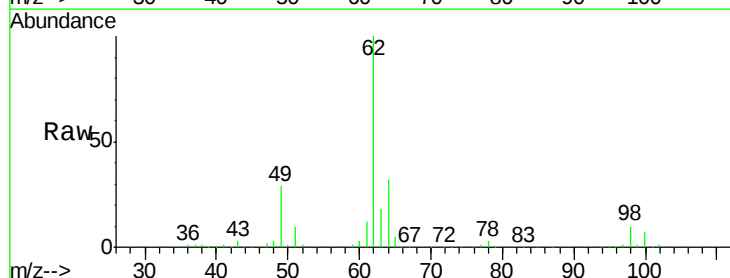
Manual Integrations
APPROVED

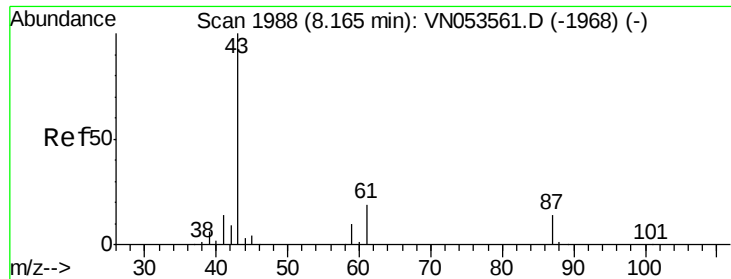
MMDadoda
2/7/2019 11:04:10 AM



#42
1,2-Dichloroethane
Concen: 44.988 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	19.6	





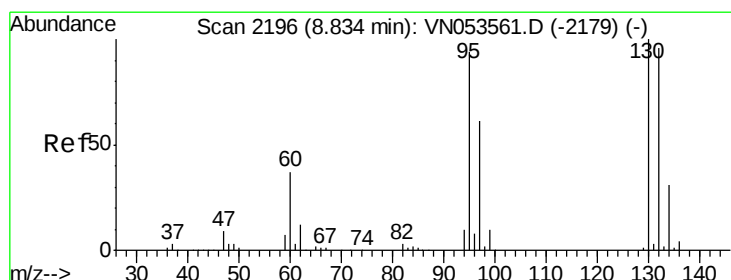
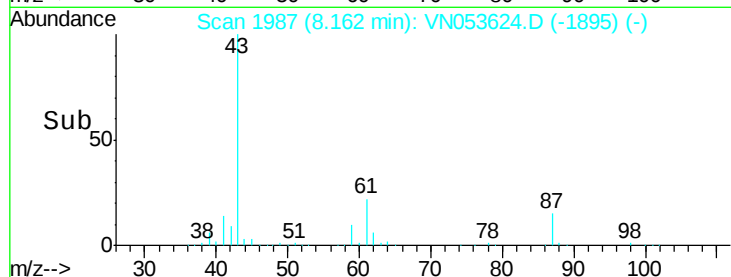
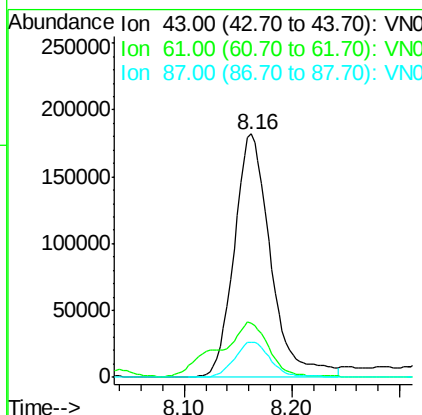
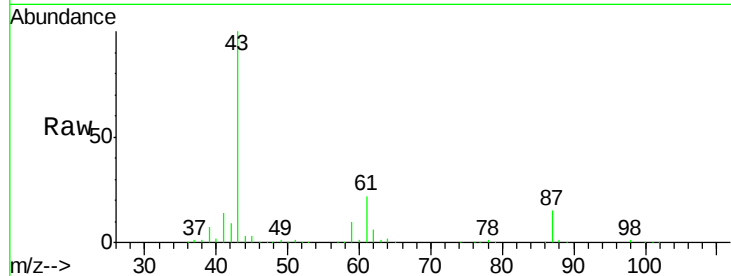
#43
Isopropyl Acetate
Concen: 43.364 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	23.9	35.9#
87	14.0	11.0	16.6

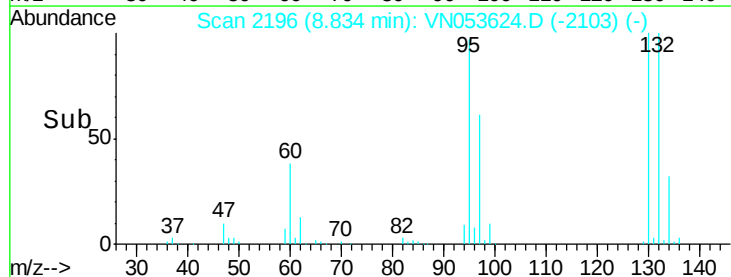
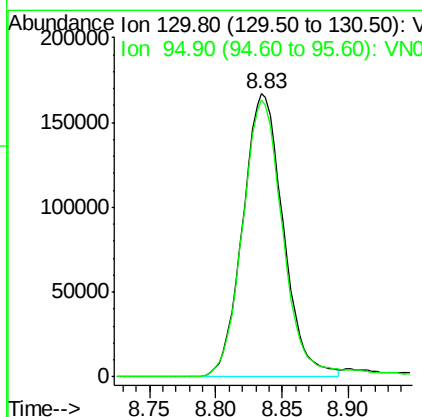
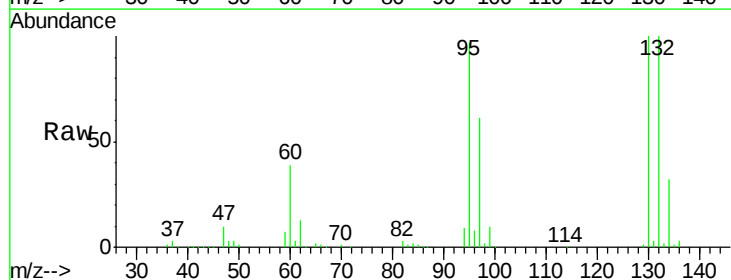
Manual Integrations
APPROVED

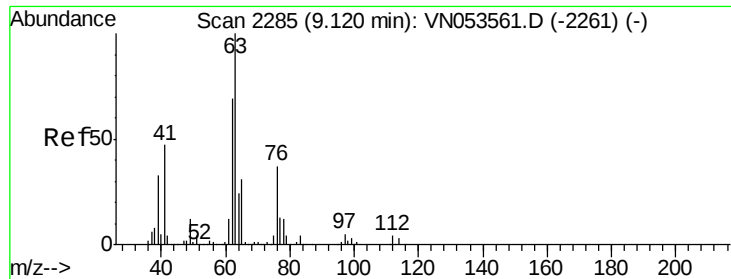
MMDadoda
2/7/2019 11:04:10 AM



#44
Trichloroethene
Concen: 44.229 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	191.4





#45

1,2-Dichloropropane

Concen: 47.402 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 341494

Ion Ratio Lower Upper

63 100

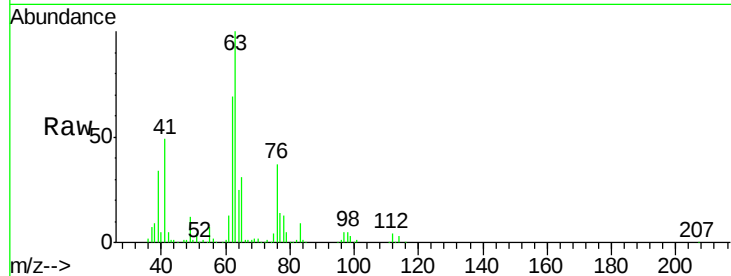
65 30.8 25.0 37.4

Manual Integrations

APPROVED

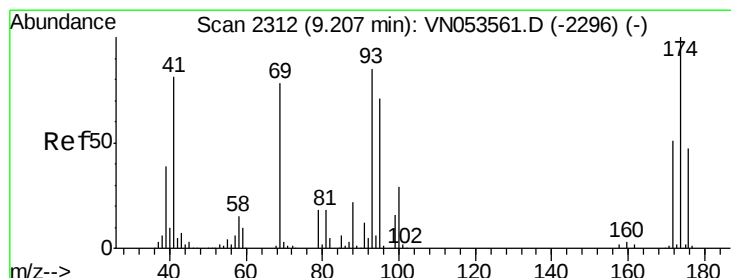
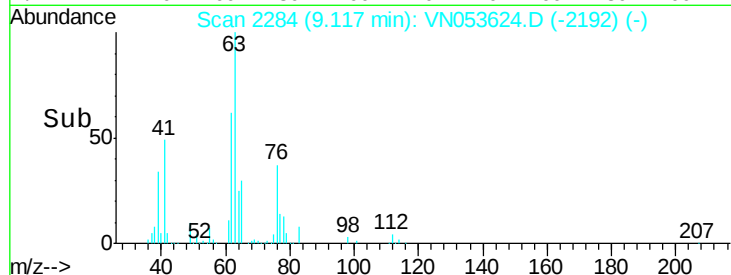
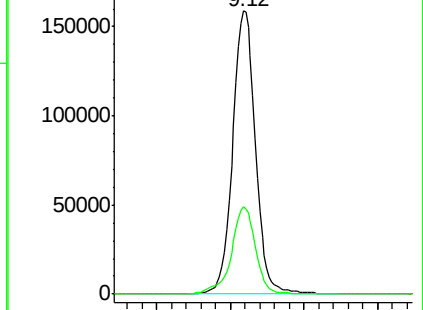
MMDadoda

2/7/2019 11:04:10 AM



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 45.587 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

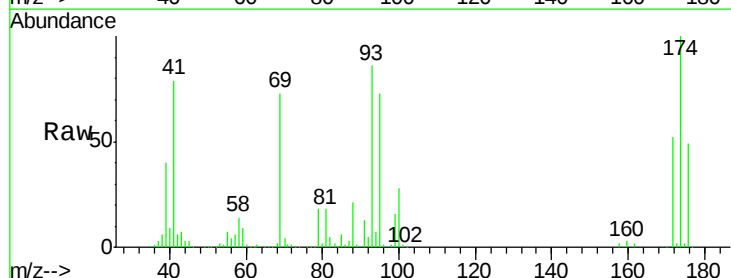
Tgt Ion: 93 Resp: 197974

Ion Ratio Lower Upper

93 100

95 84.3 67.3 100.9

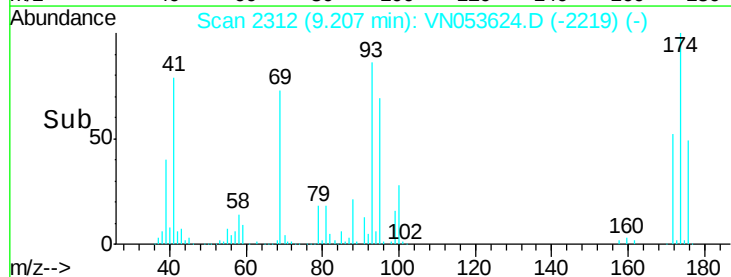
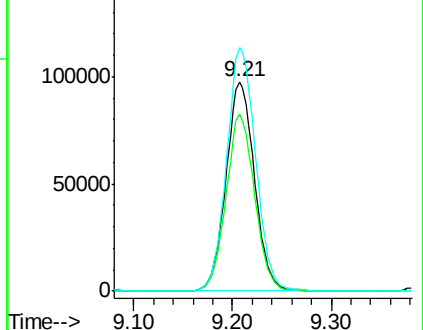
174 117.8 91.0 136.4

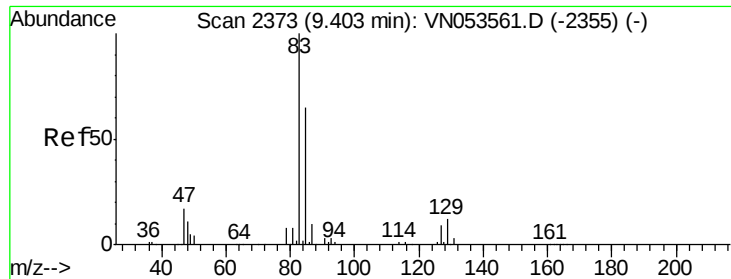


Abundance Ion 92.80 (92.50 to 93.50): VNC

Ion 94.80 (94.50 to 95.50): VNC

Ion 173.70 (173.40 to 174.40): V





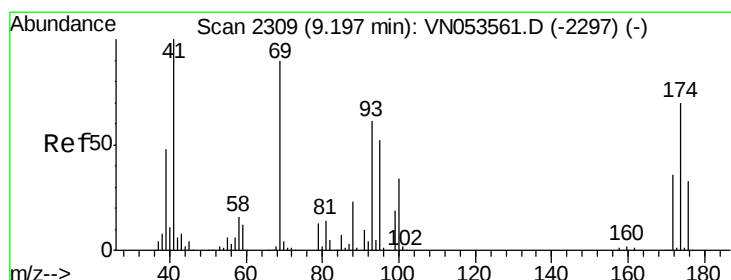
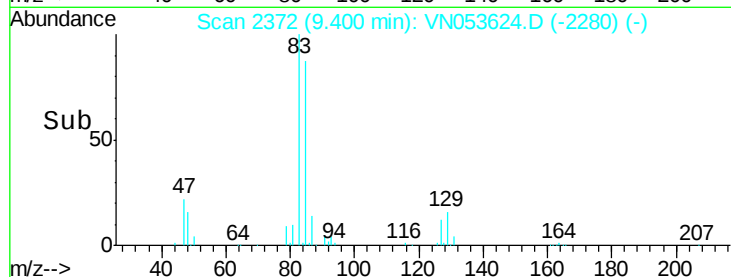
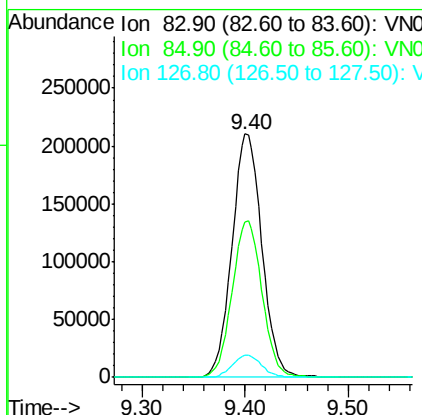
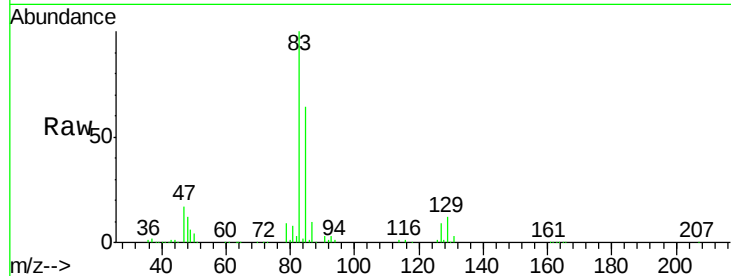
#47
Bromodichloromethane
Concen: 47.107 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.8	51.0	76.6	
127	9.0	7.0	10.6	

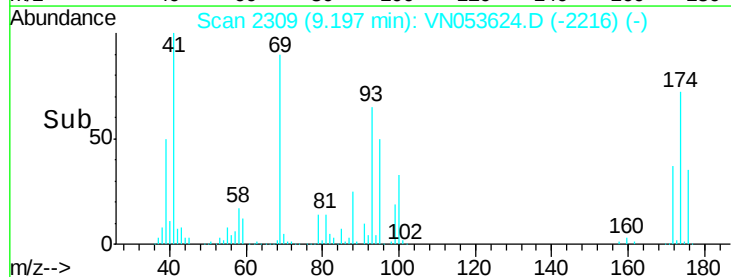
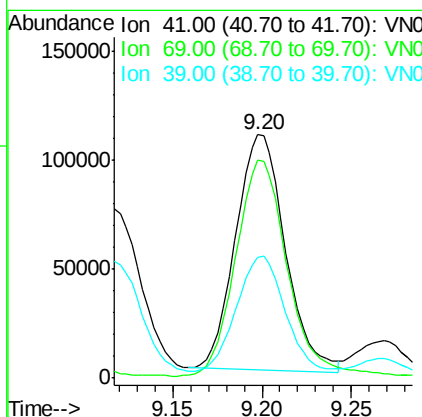
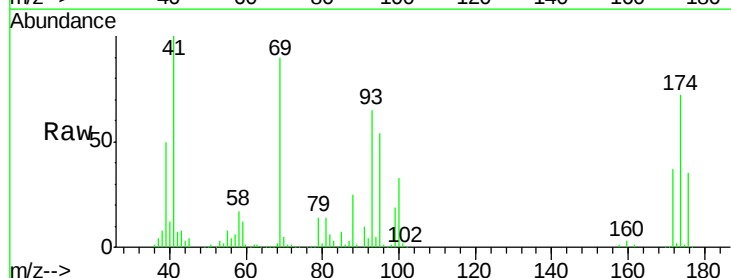
Manual Integrations
APPROVED

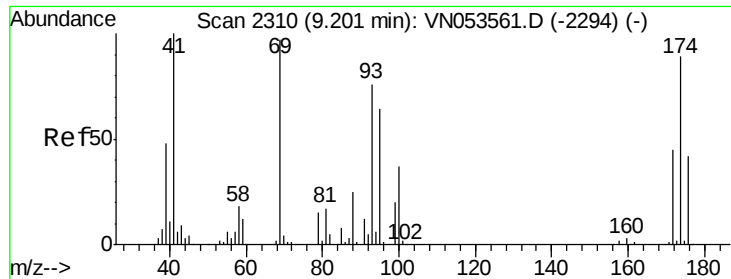
MMDadoda
2/7/2019 11:04:10 AM



#48
Methyl methacrylate
Concen: 44.440 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	98.3	73.8	110.6	
39	53.6	40.0	60.0	





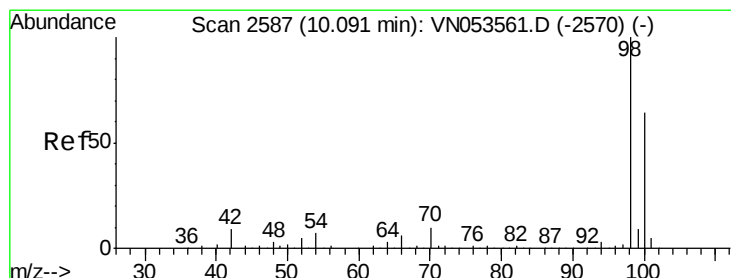
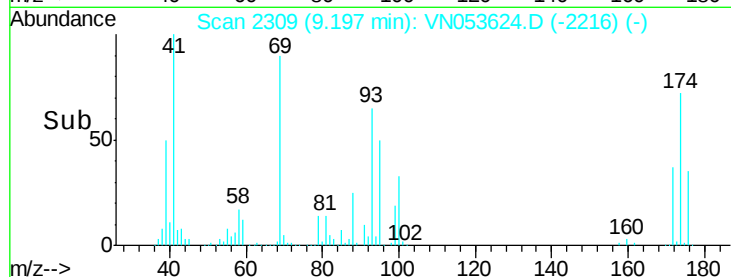
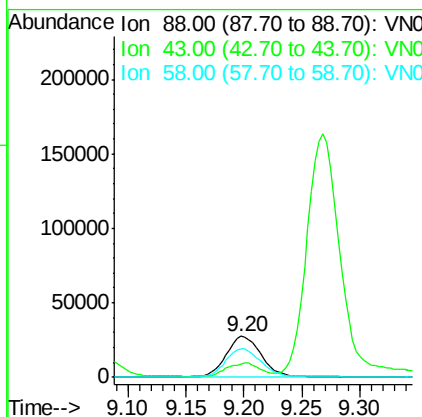
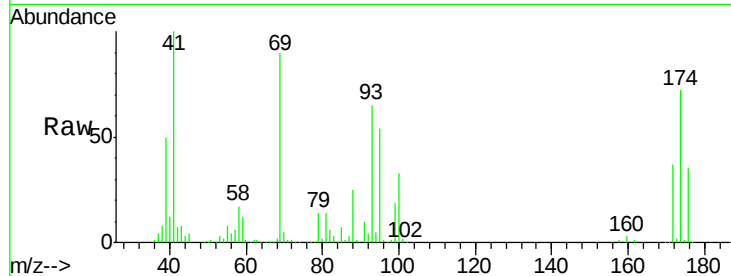
#49
1,4-Dioxane
Concen: 868.787 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	58836
Ion	Ratio	Lower	Upper
88	100		
43	30.2	27.8	41.6
58	70.3	56.5	84.7

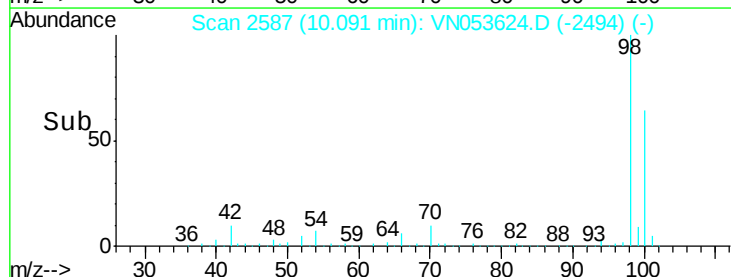
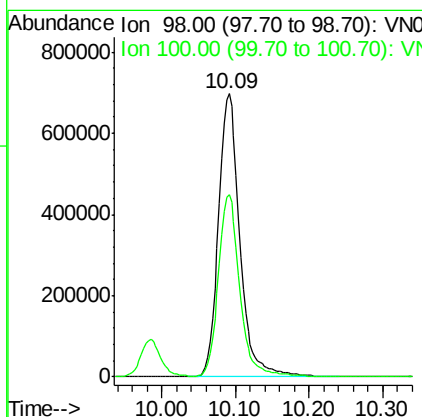
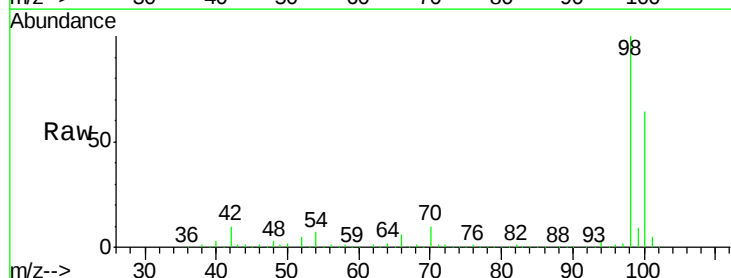
Manual Integrations
APPROVED

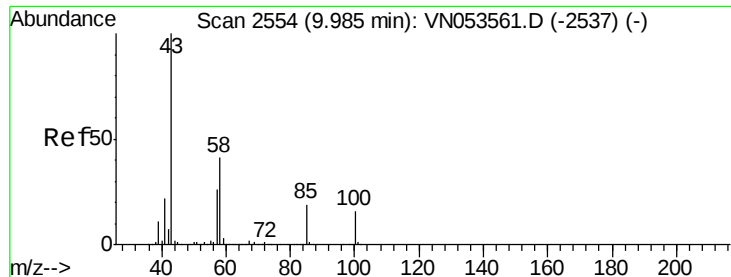
MMDadoda
2/7/2019 11:04:10 AM



#50
Toluene-d8
Concen: 868.787 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	98	Resp	1406445
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





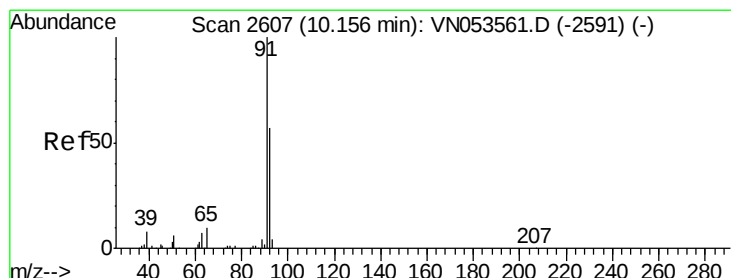
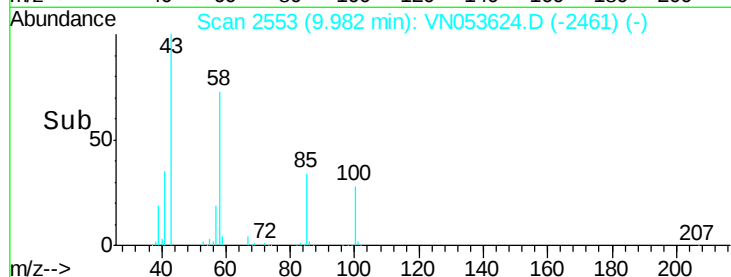
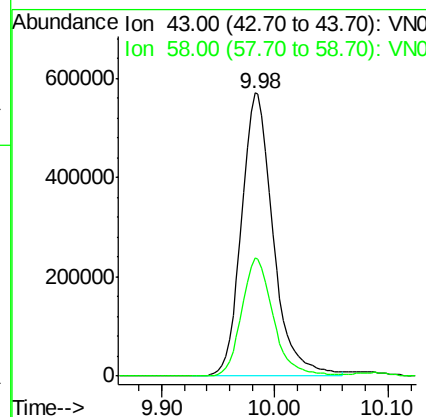
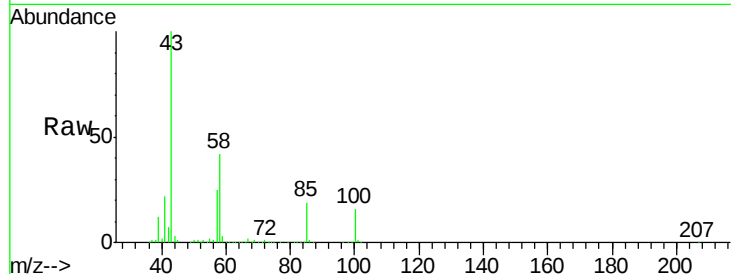
#51
4-Methyl-2-Pentanone
Concen: 230.155 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1114209
Ion Ratio Lower Upper
43 100
58 41.6 32.8 49.2

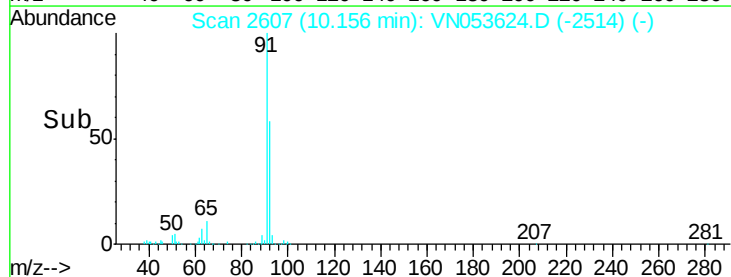
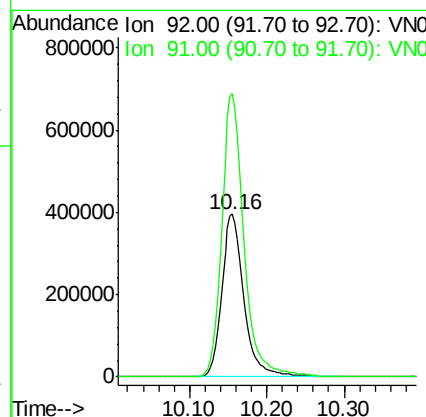
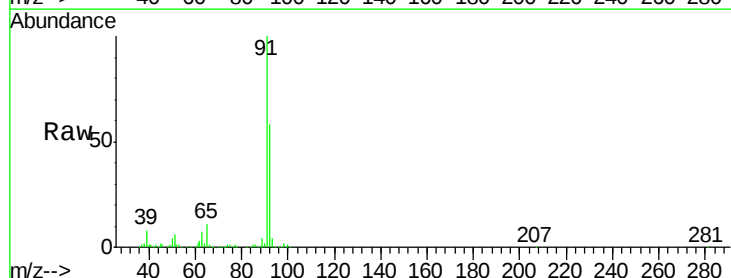
Manual Integrations
APPROVED

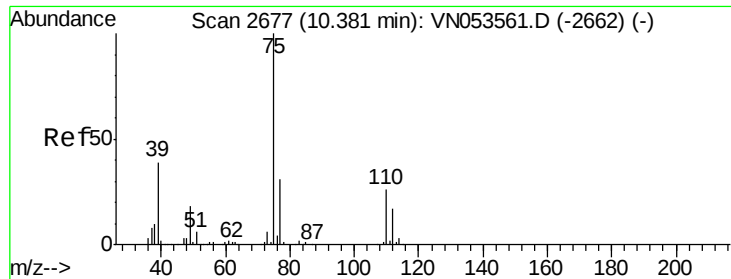
MMDadoda
2/7/2019 11:04:10 AM



#52
Toluene
Concen: 47.568 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 92 Resp: 795169
Ion Ratio Lower Upper
92 100
91 174.0 139.9 209.9





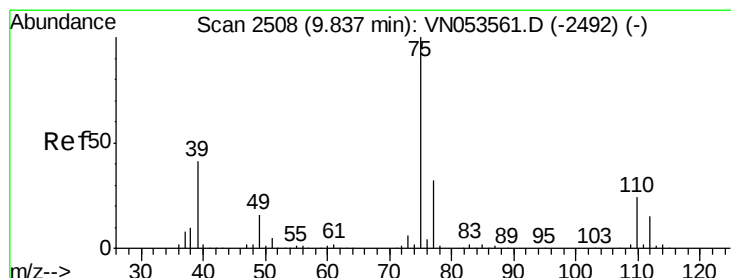
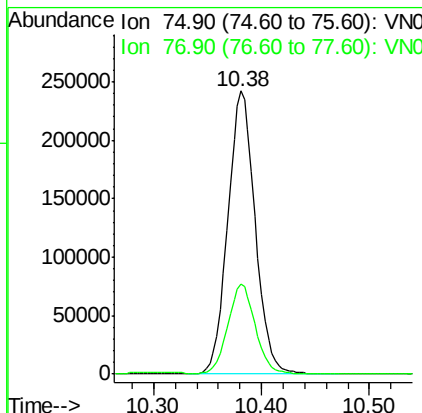
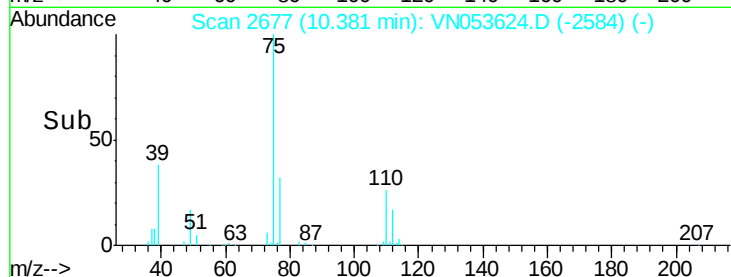
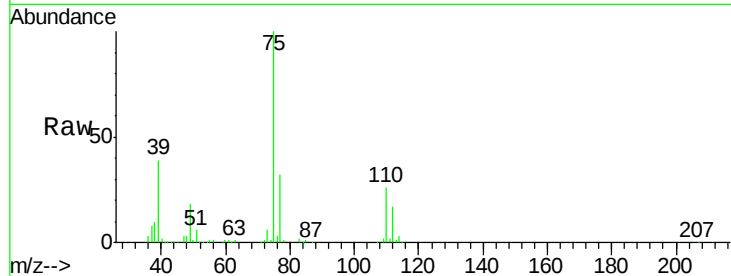
#53
t-1,3-Dichloropropene
Concen: 47.364 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 428249
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3

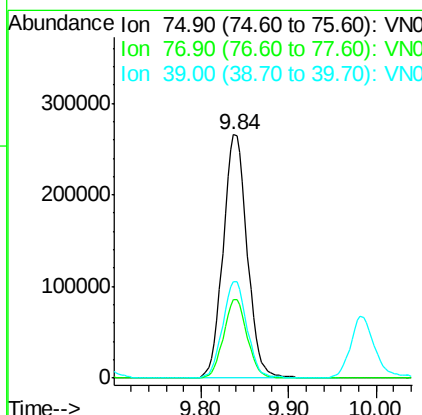
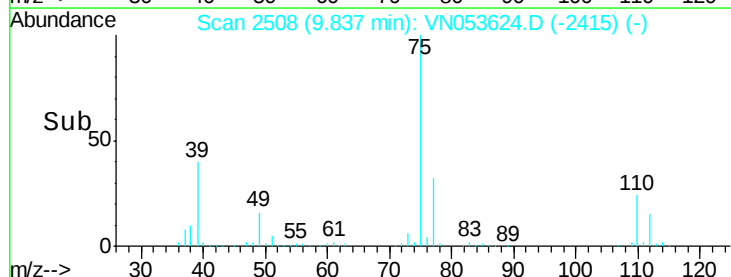
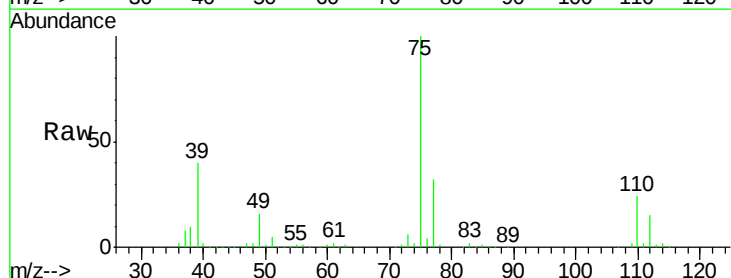
Manual Integrations
APPROVED

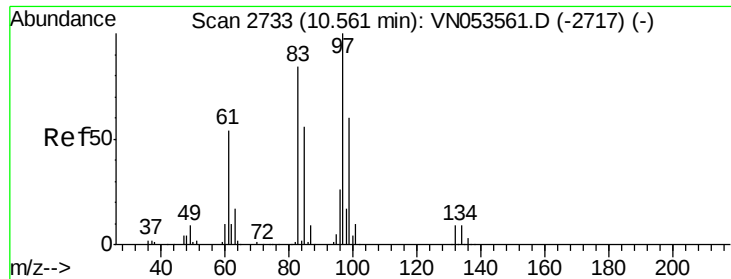
MMDadoda
2/7/2019 11:04:10 AM



#54
cis-1,3-Dichloropropene
Concen: 47.378 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 75 Resp: 507623
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
39 39.5 33.4 50.0





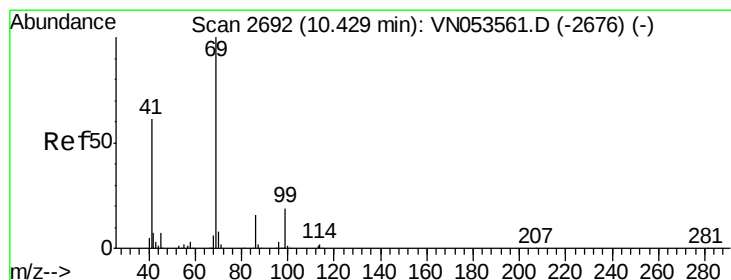
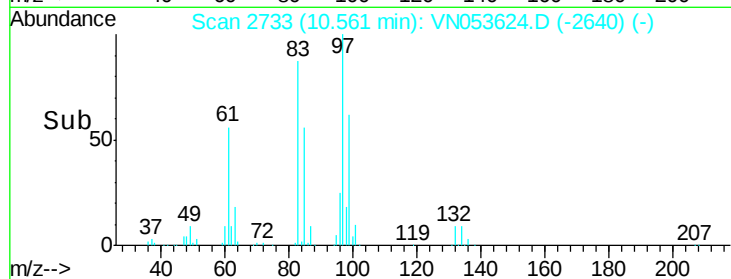
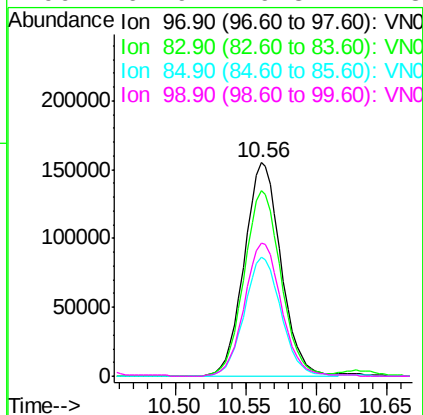
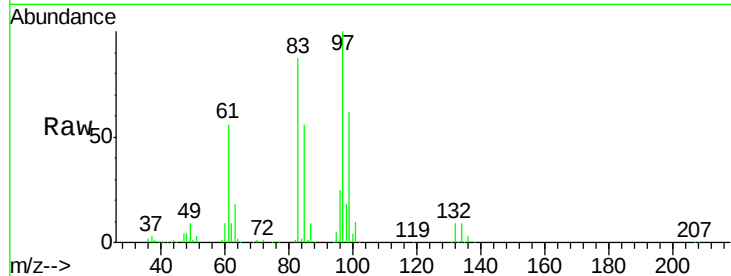
#55
 1,1,2-Trichloroethane
 Concen: 47.064 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	283499
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.1	105.1
85	56.0	45.4	68.0
99	61.9	49.8	74.8

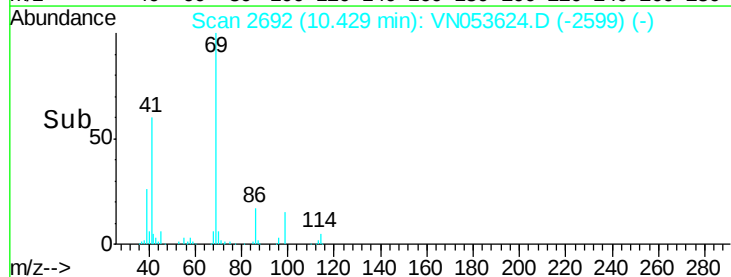
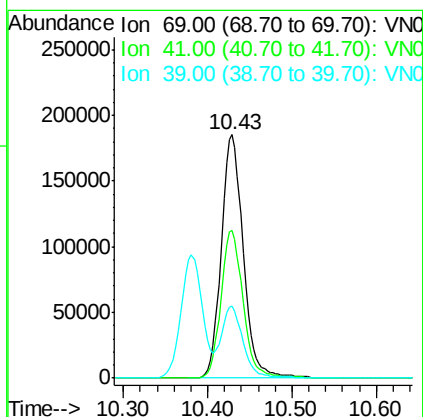
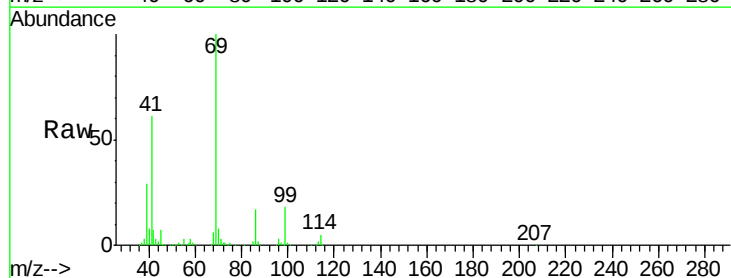
Manual Integrations
 APPROVED

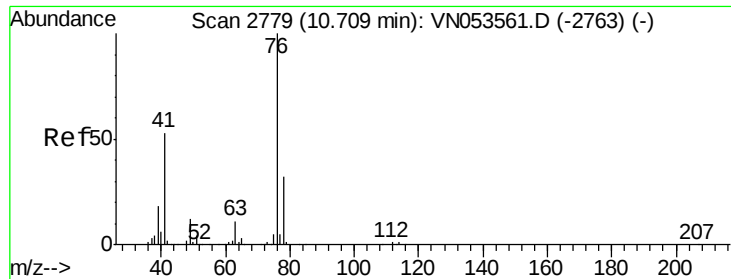
MMDadoda
 2/7/2019 11:04:10 AM



#56
 Ethyl methacrylate
 Concen: 47.130 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion:	69	Resp:	335846
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	29.4	23.3	34.9





#57

1,3-Dichloropropane

Concen: 46.054 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 474113

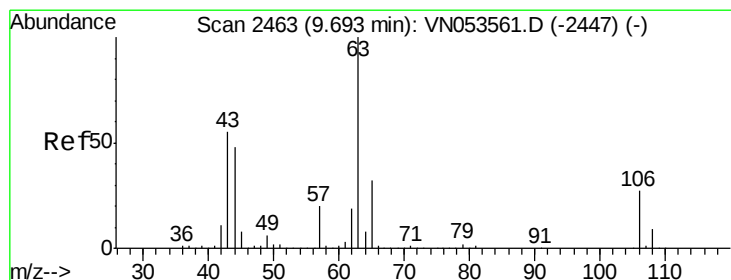
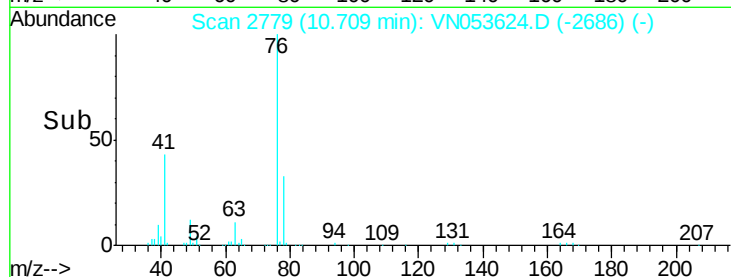
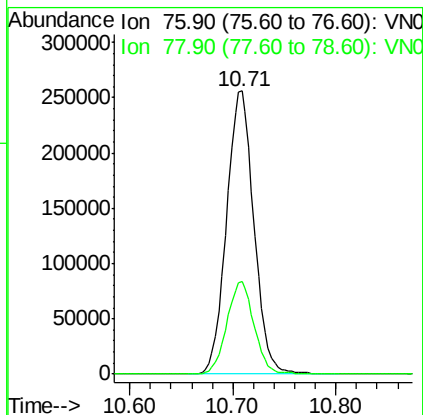
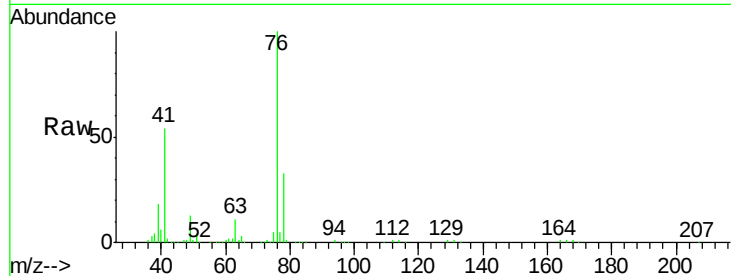
Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
2/7/2019 11:04:10 AM



#58

2-Chloroethyl Vinyl ether

Concen: 218.271 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053624.D

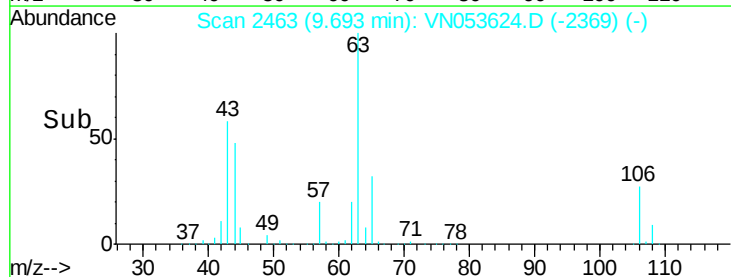
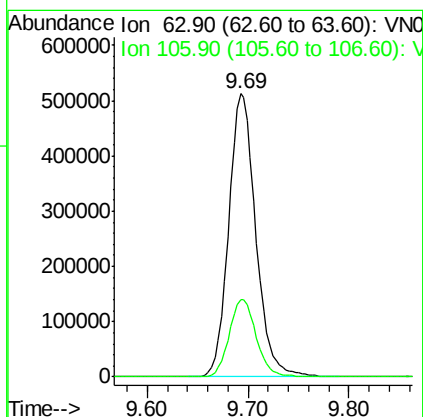
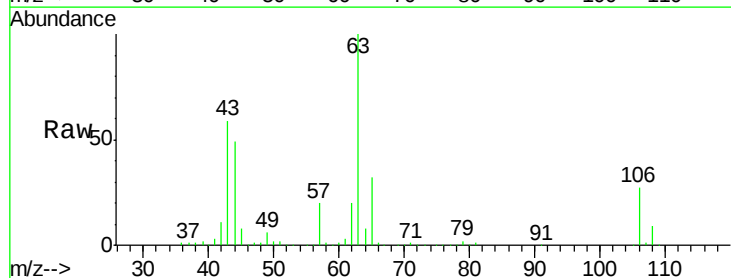
Acq: 6 Feb 2019 9:58

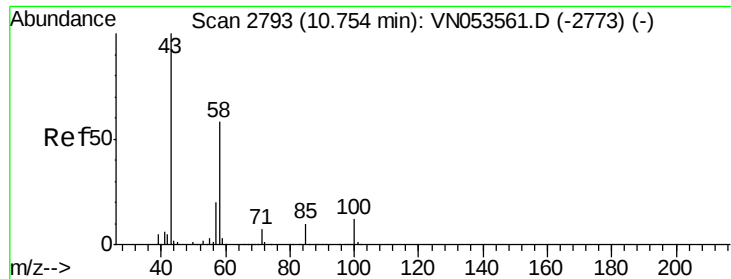
Tgt Ion: 63 Resp: 959980

Ion Ratio Lower Upper

63 100

106 27.4 21.5 32.3





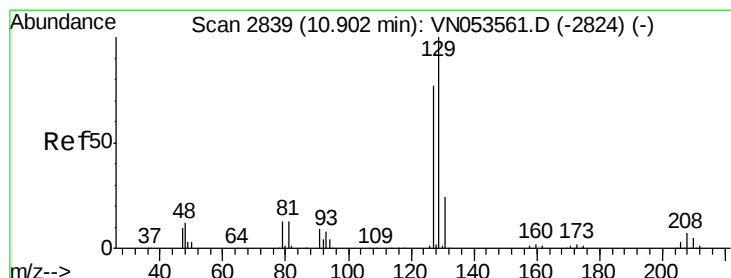
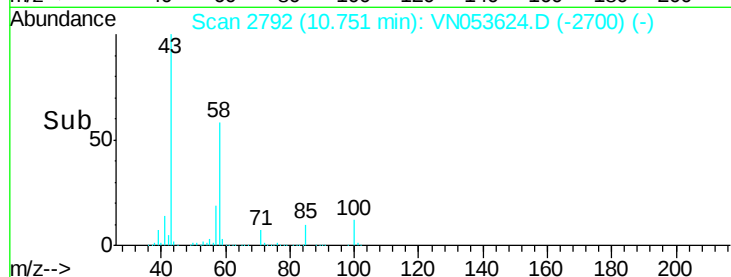
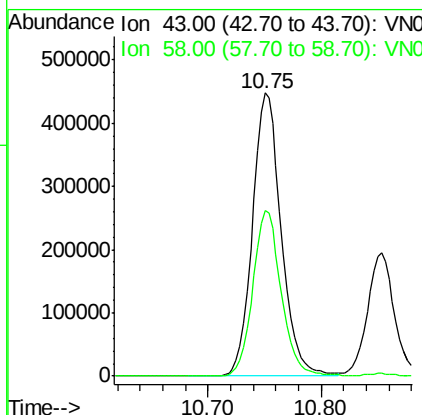
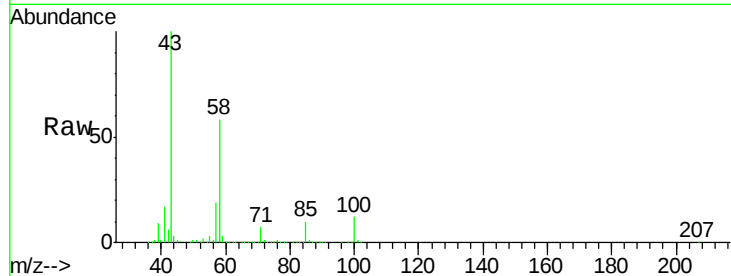
#59
2-Hexanone
Concen: 239.735 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 787888
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

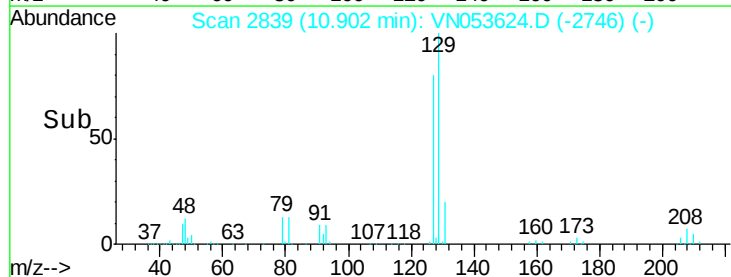
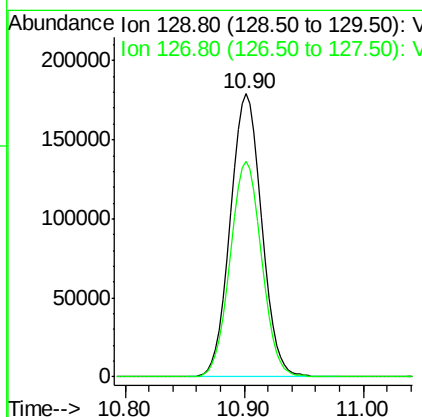
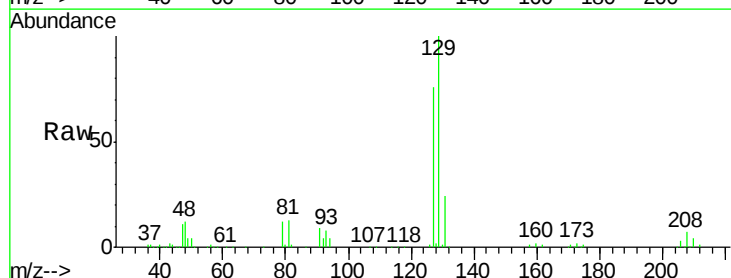
Manual Integrations
APPROVED

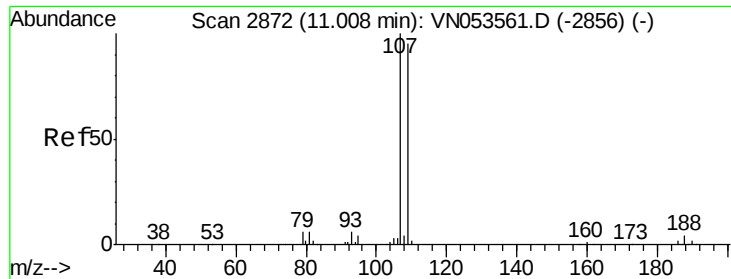
MMDadoda
2/7/2019 11:04:10 AM



#60
Dibromochloromethane
Concen: 48.280 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 129 Resp: 327954
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





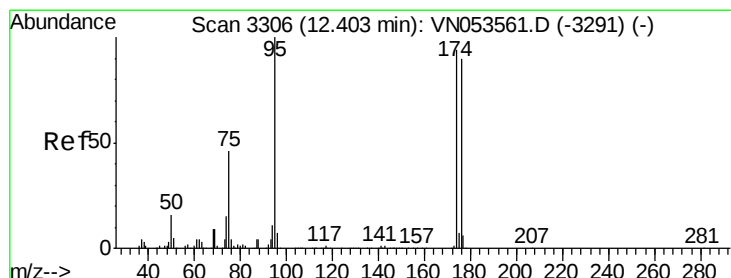
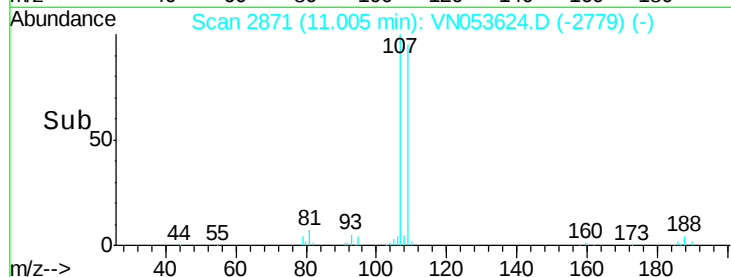
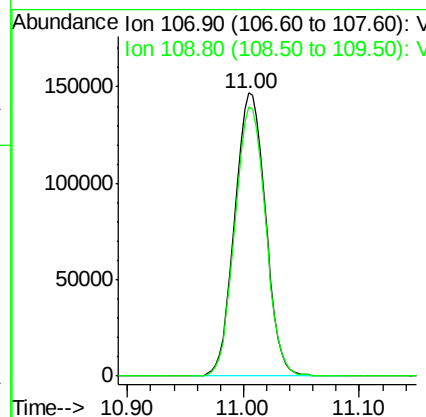
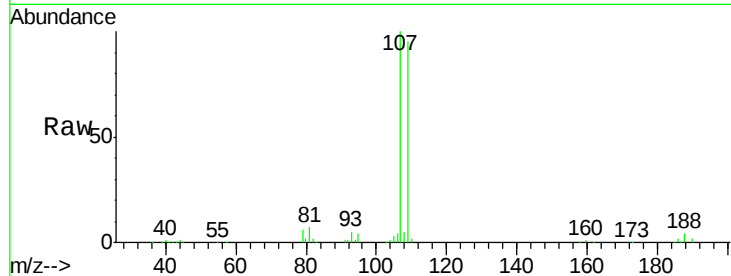
#61
 1,2-Dibromoethane
 Concen: 45.128 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	269055		
109	95.3	75.7	113.5	

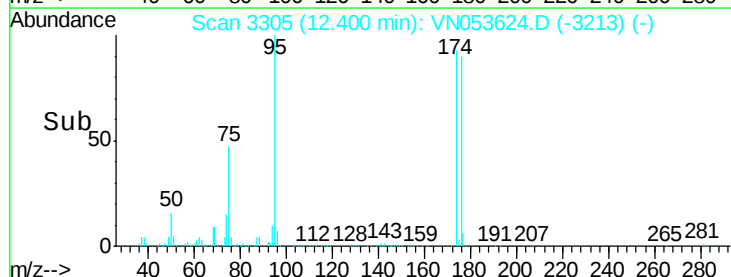
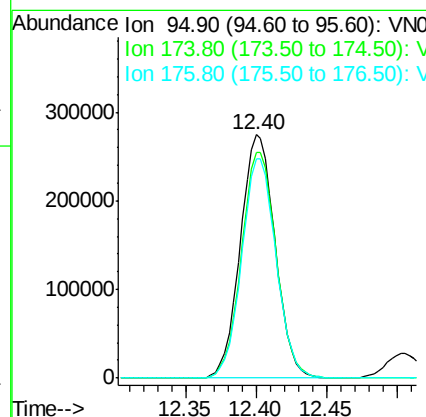
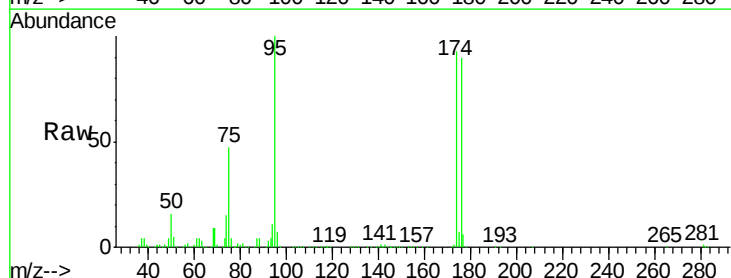
Manual Integrations
 APPROVED

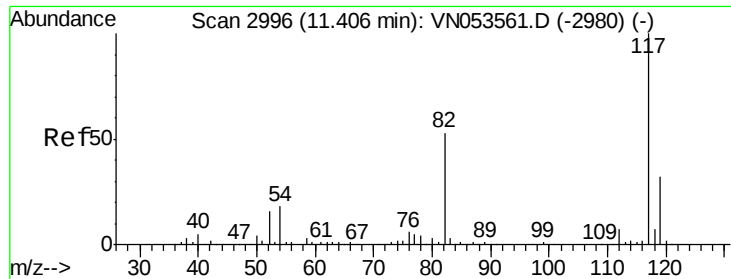
MMDadoda
 2/7/2019 11:04:10 AM



#62
 4-Bromofluorobenzene
 Concen: 45.128 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	474175		
174	92.8	0.0	183.2	
176	89.2	0.0	177.4	





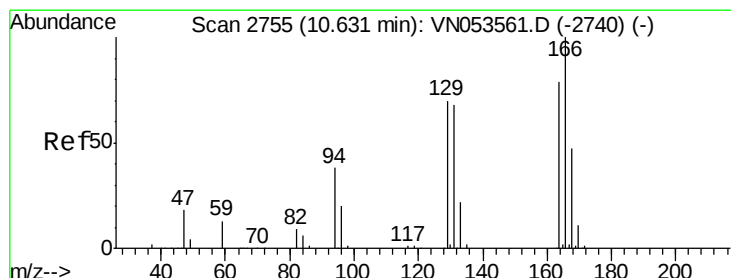
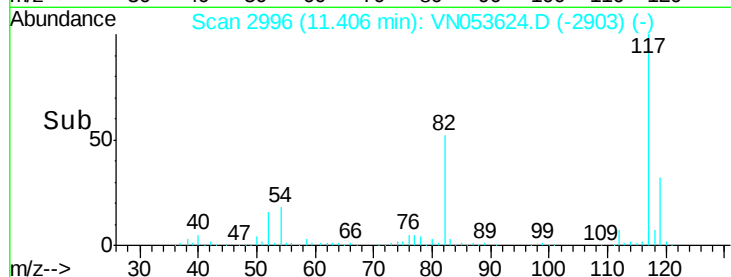
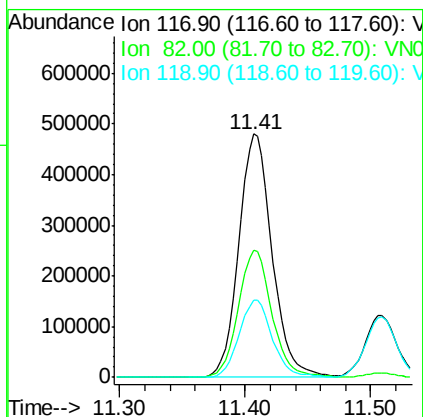
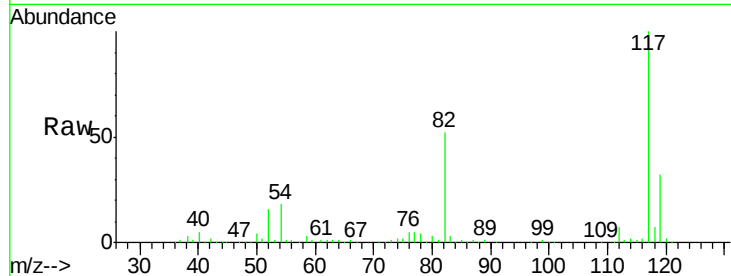
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.9	64.3
119	31.6	26.0	39.0

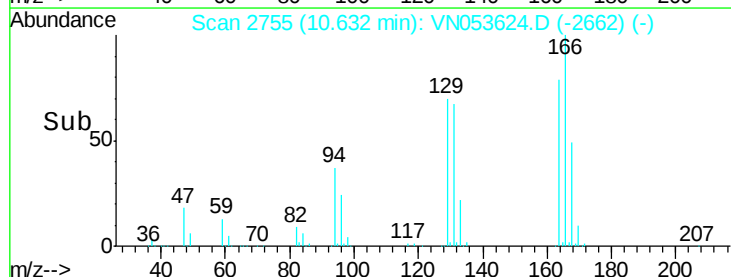
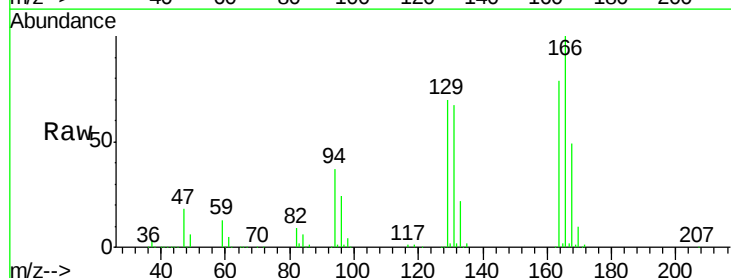
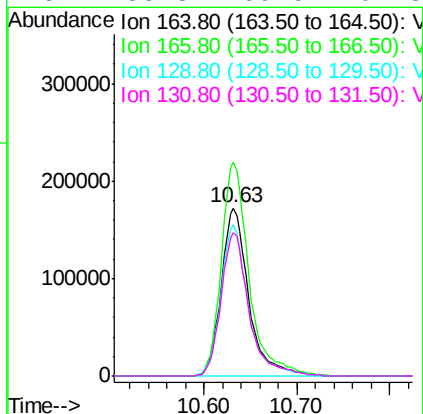
Manual Integrations
APPROVED

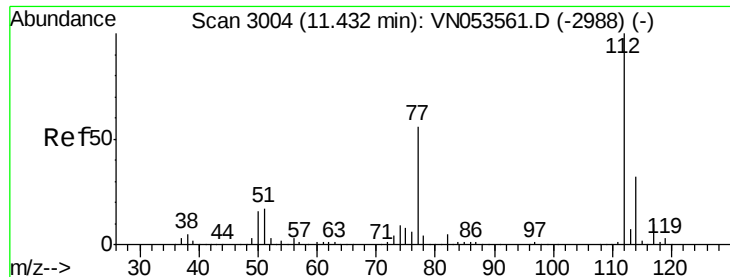
MMDadoda
2/7/2019 11:04:10 AM



#64
Tetrachloroethene
Concen: 46.555 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.2	153.4
129	89.7	72.6	109.0
131	85.8	69.5	104.3





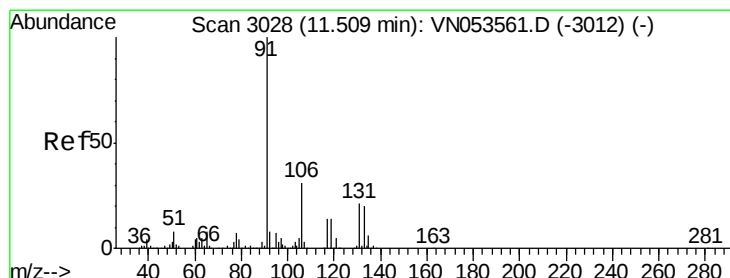
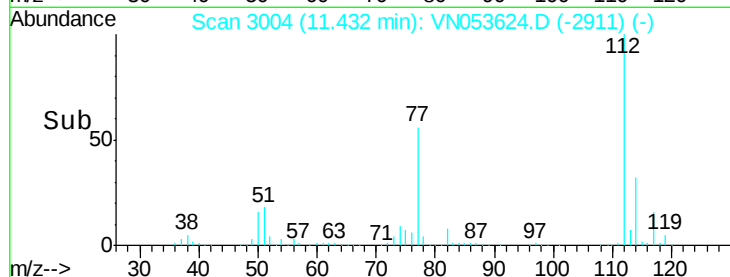
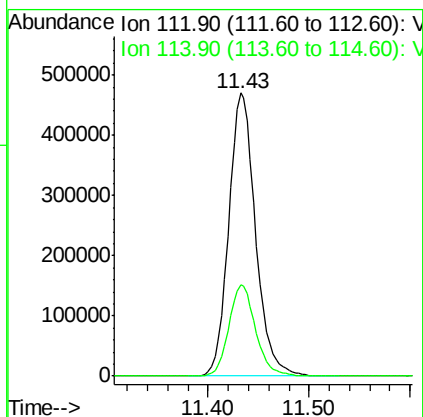
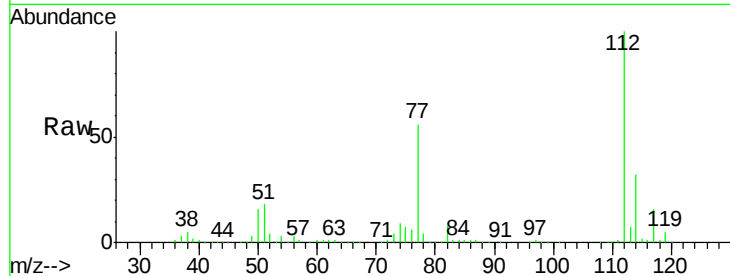
#65
Chlorobenzene
Concen: 46.194 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 869414
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

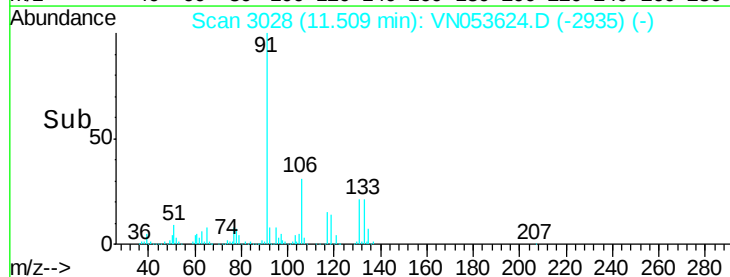
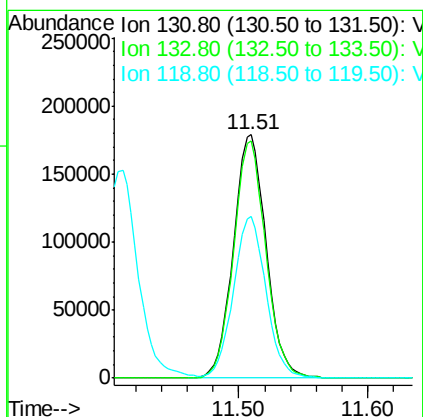
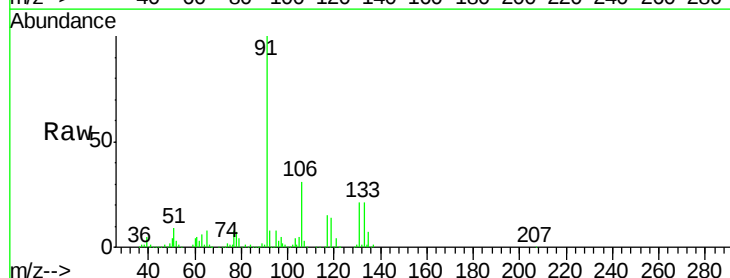
Manual Integrations
APPROVED

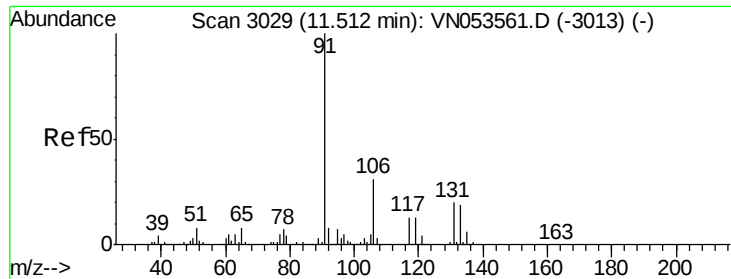
MMDadoda
2/7/2019 11:04:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.037 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion:131 Resp: 315747
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.0 33.5 100.5





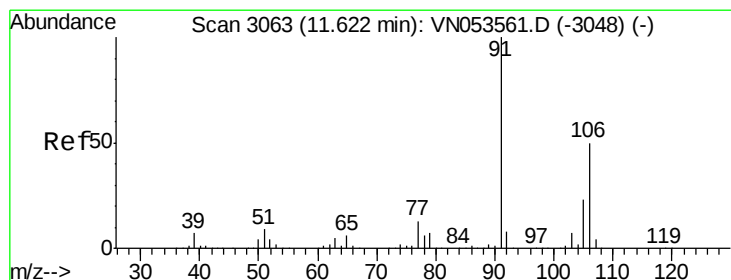
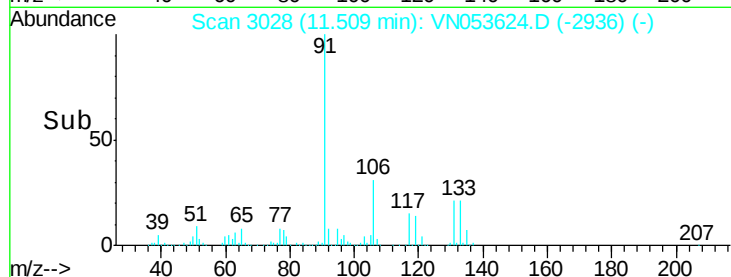
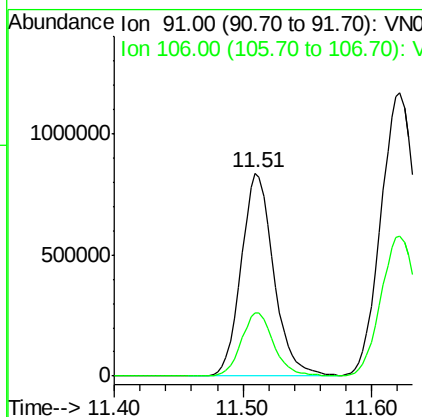
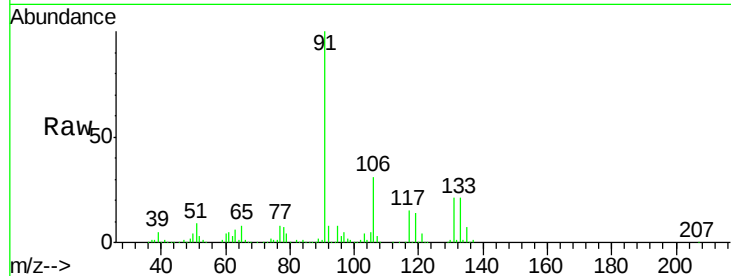
#67
Ethyl Benzene
Concen: 47.434 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1466503
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

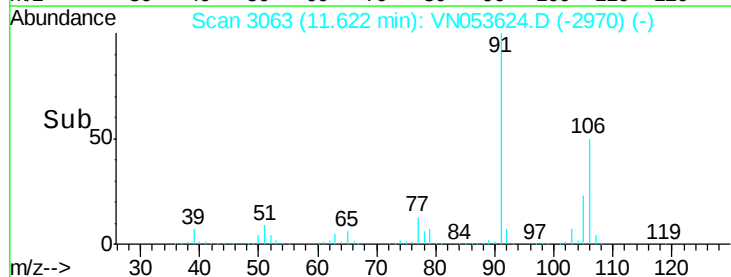
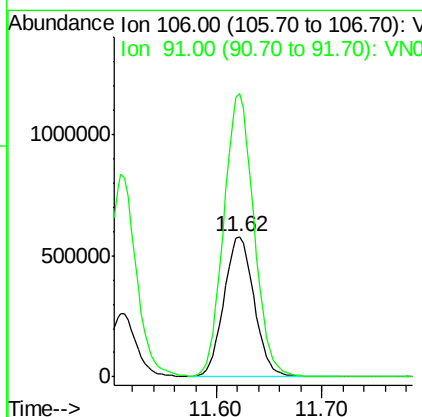
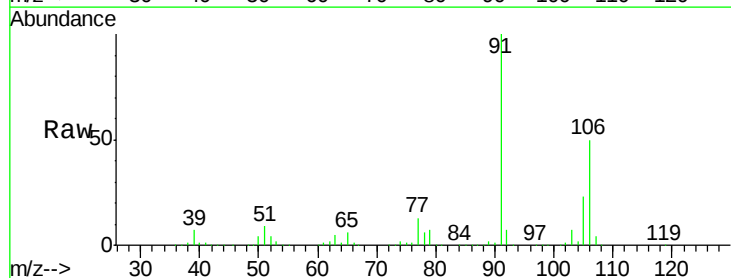
Manual Integrations
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2/7/2019 11:04:10 AM



#68
m/p-Xylenes
Concen: 97.269 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 106 Resp: 1147752
Ion Ratio Lower Upper
106 100
91 201.0 161.4 242.2





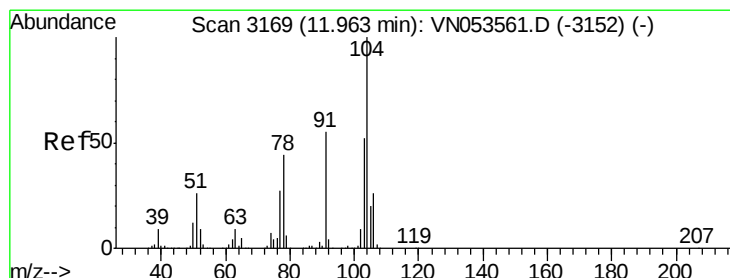
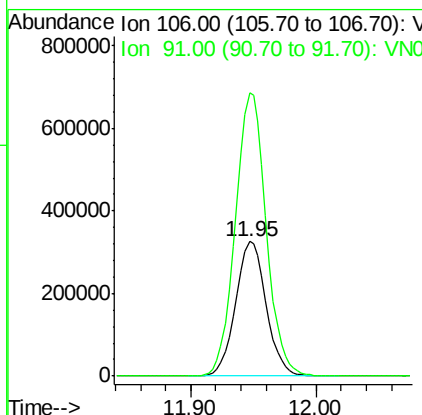
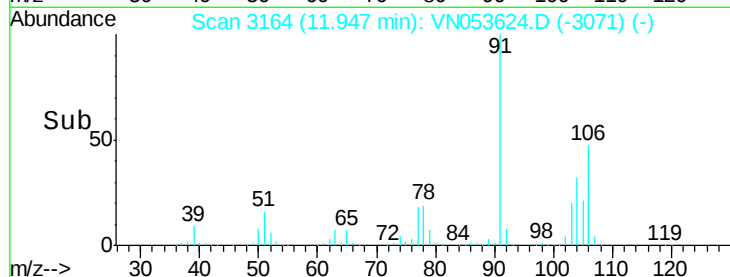
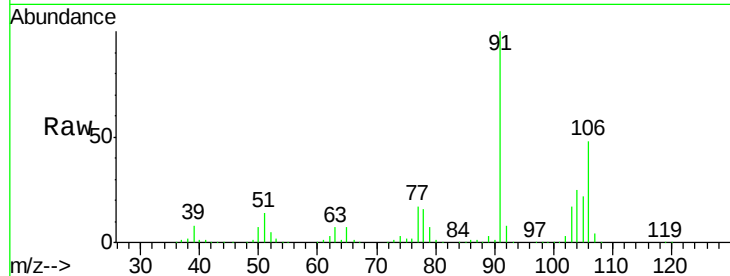
#69
o-Xylene
Concen: 48.460 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	106.9	320.8

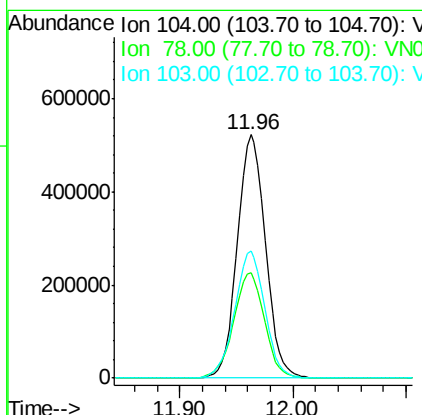
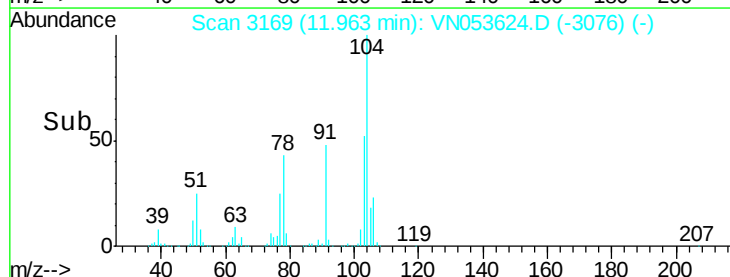
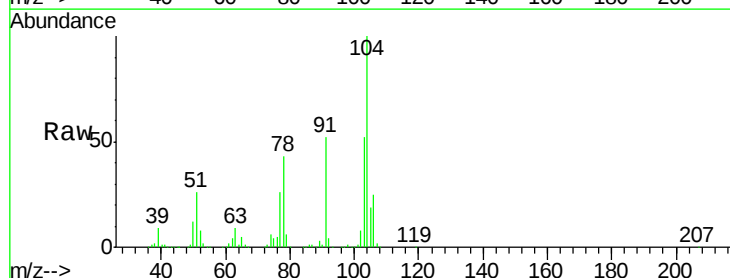
Manual Integrations
APPROVED

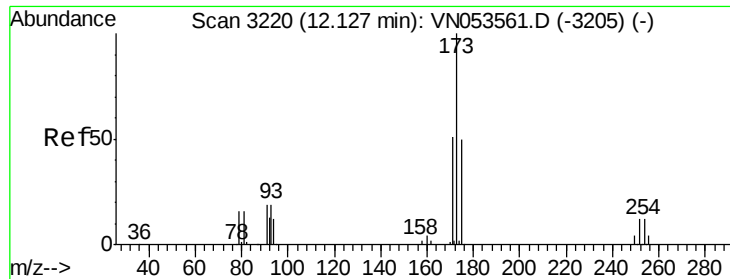
MMDadoda
2/7/2019 11:04:10 AM



#70
Styrene
Concen: 49.176 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.2	57.2
103	55.5	44.4	66.6





#71

Bromoform

Concen: 49.461 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 222886

Ion Ratio Lower Upper

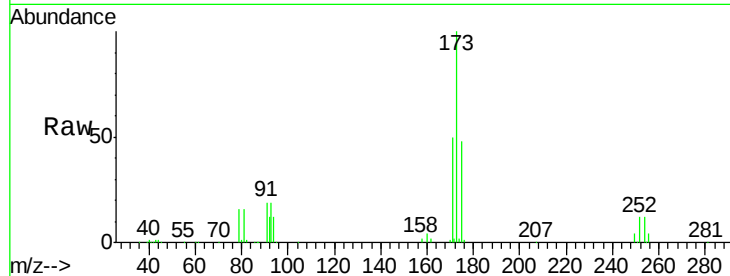
173 100

175 48.8 24.6 74.0

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

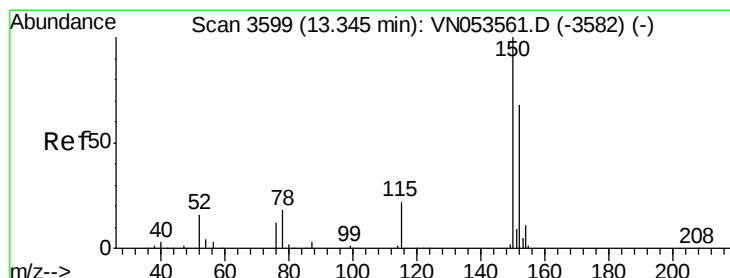
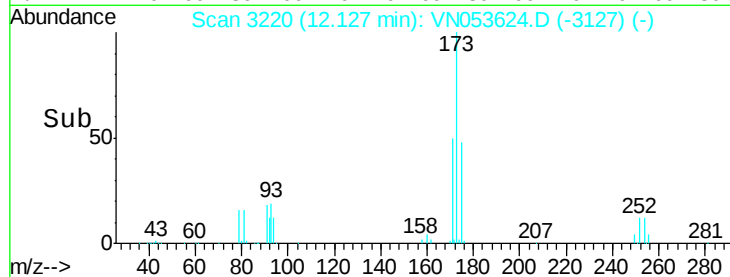
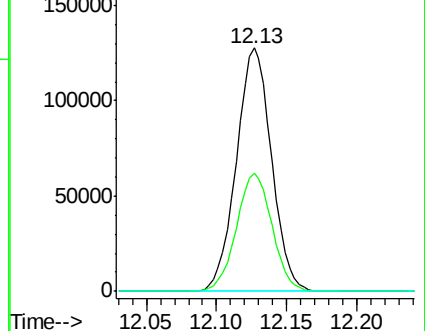
MMDadoda
2/7/2019 11:04:10 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

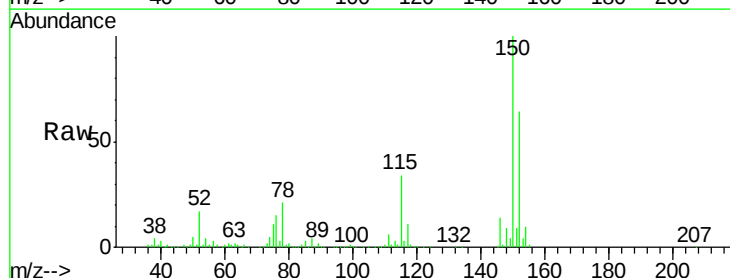
Tgt Ion:152 Resp: 442840

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.4

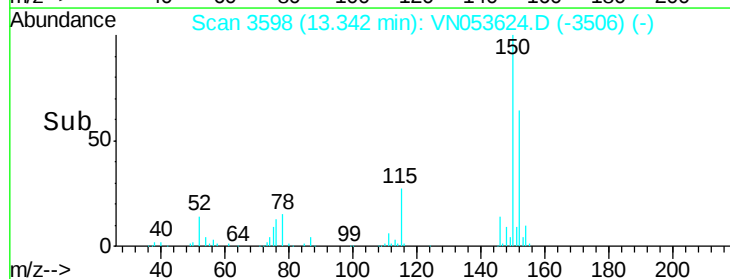
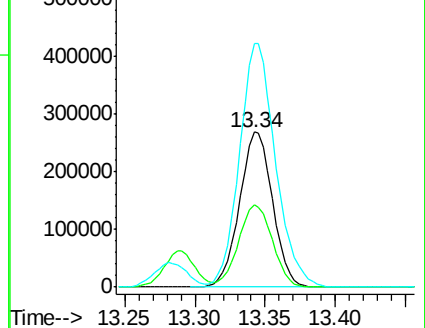
150 170.8 0.0 349.0

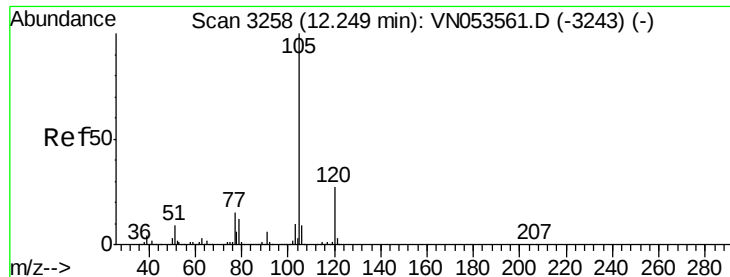


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.396 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1444348

Ion Ratio Lower Upper

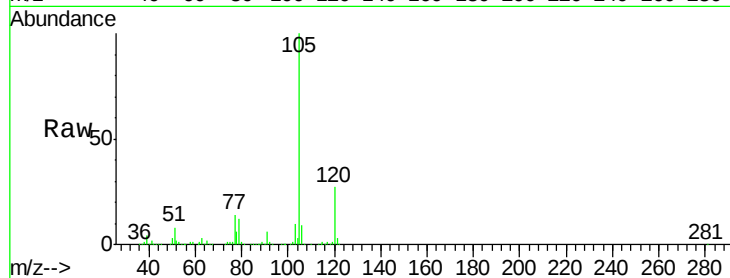
105 100

120 27.0 13.6 40.7

Manual Integrations
APPROVED

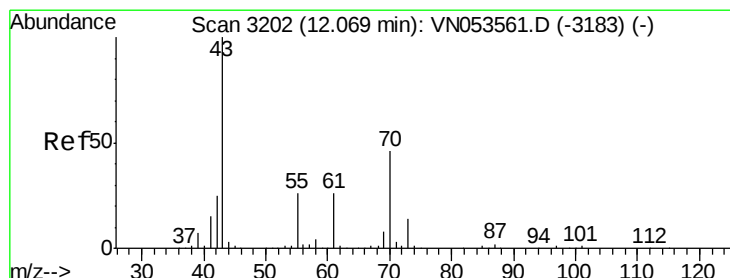
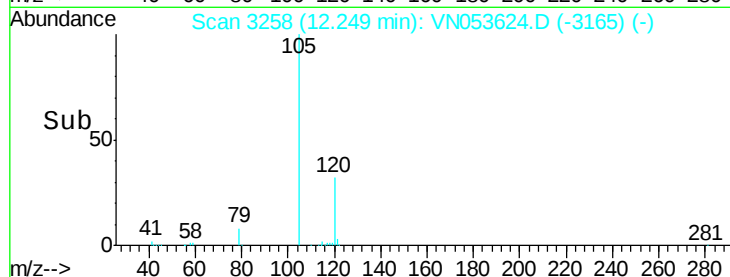
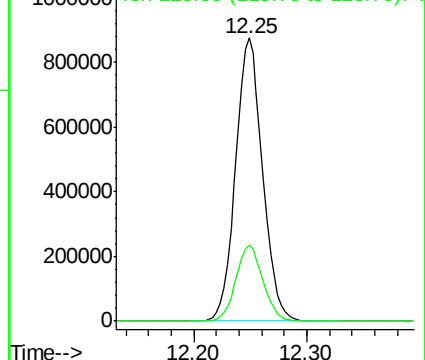
MMDadoda

2/7/2019 11:04:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion: 43 Resp: 341385

Ion Ratio Lower Upper

43 100

70 45.1 35.4 53.2

55 25.8 20.9 31.3

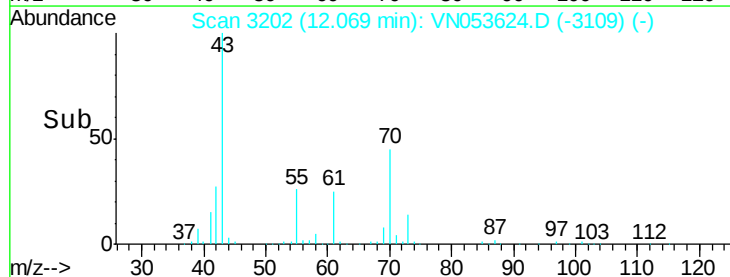
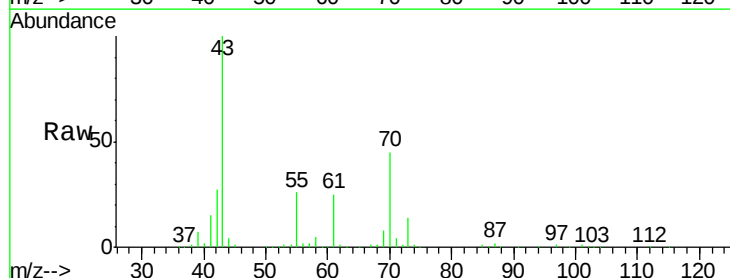
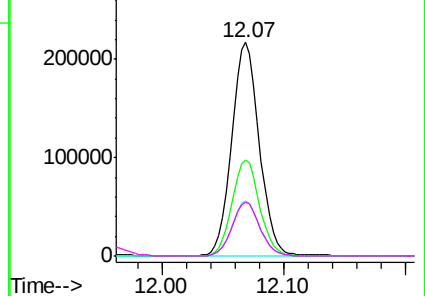
61 25.5 20.5 30.7

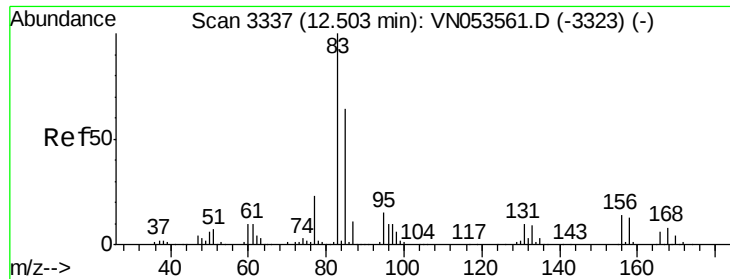
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.113 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

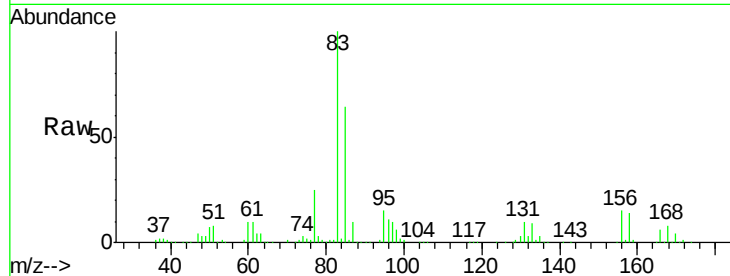
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	321214
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	64.6	32.1	96.3

Manual Integrations
APPROVED

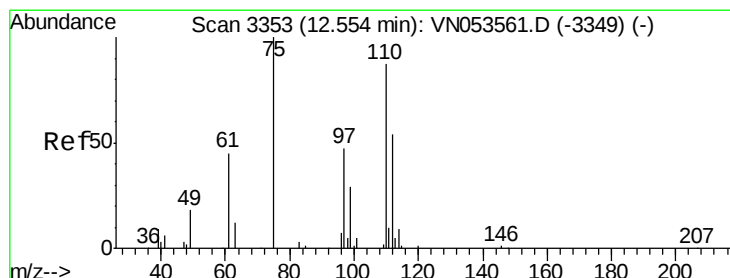
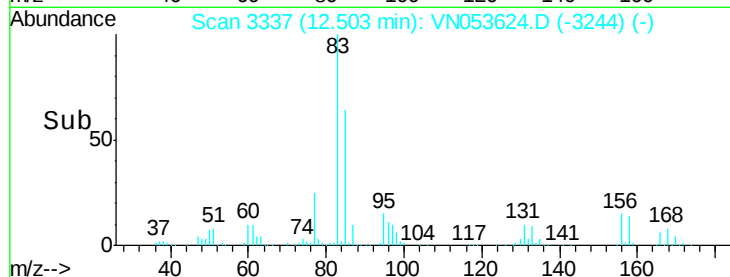
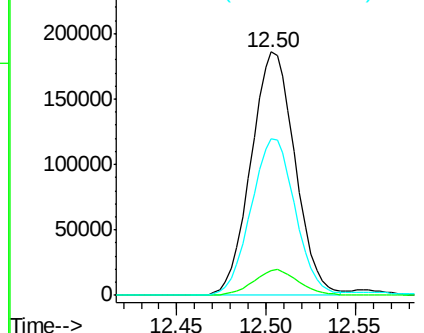
MMDadoda
2/7/2019 11:04:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 46.608 ug/l m

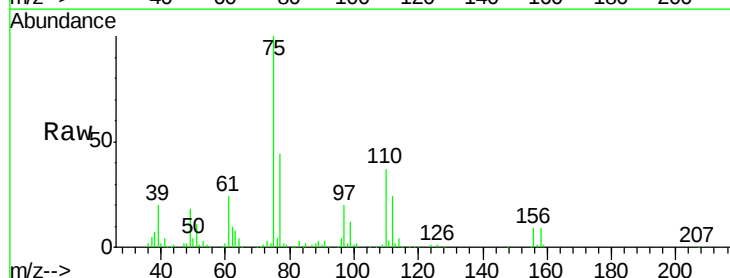
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053624.D

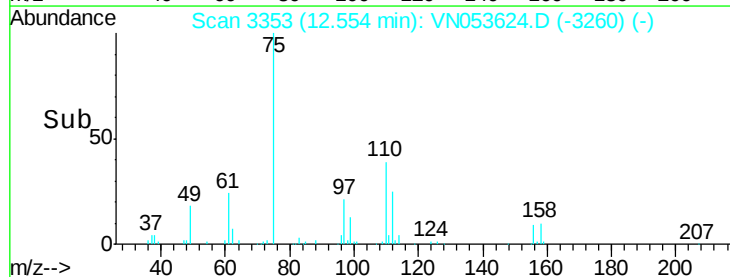
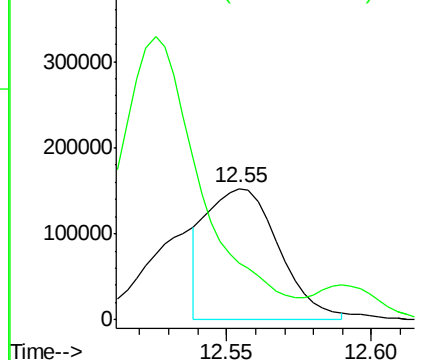
Acq: 6 Feb 2019 9:58

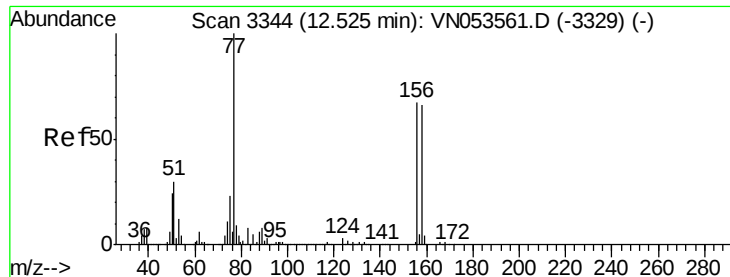
Tgt Ion:	75	Resp:	265109
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 44.938 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 377034

Ion Ratio Lower Upper

156 100

77 173.1 87.9 263.8

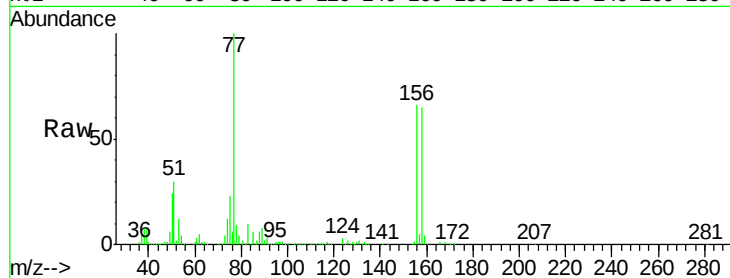
158 98.4 48.8 146.4

Manual Integrations

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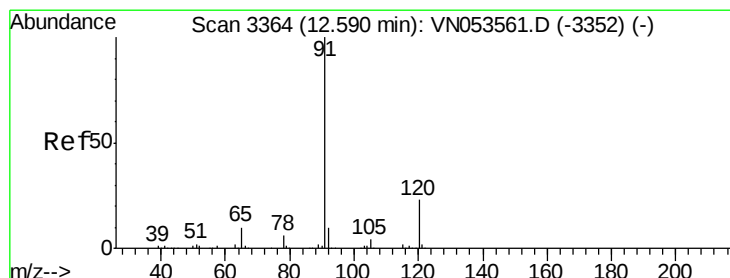
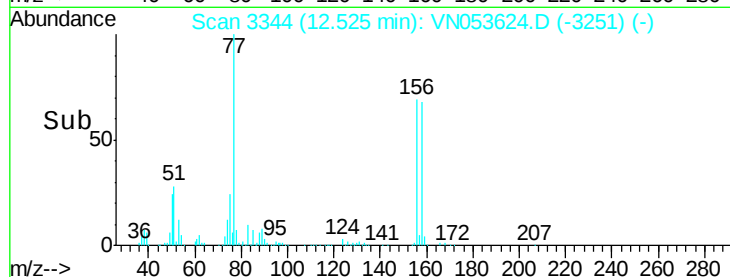
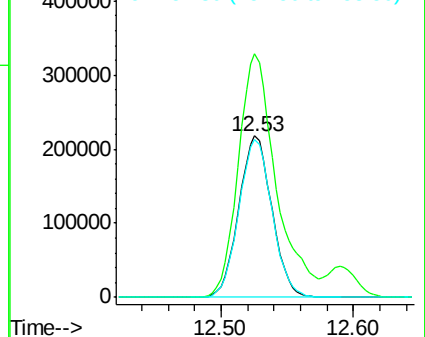
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.430 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053624.D

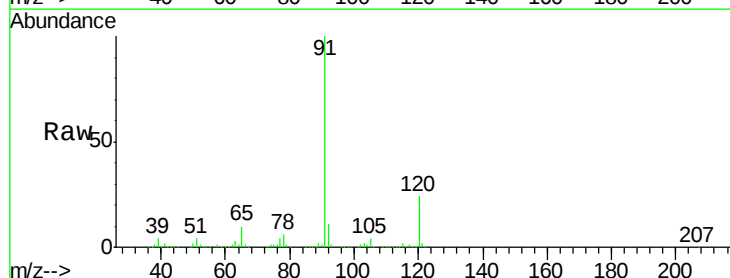
Acq: 6 Feb 2019 9:58

Tgt Ion: 91 Resp: 1706919

Ion Ratio Lower Upper

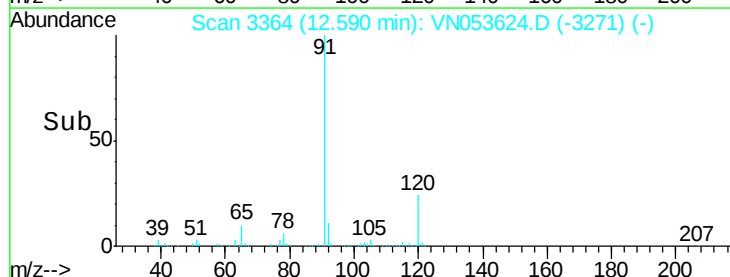
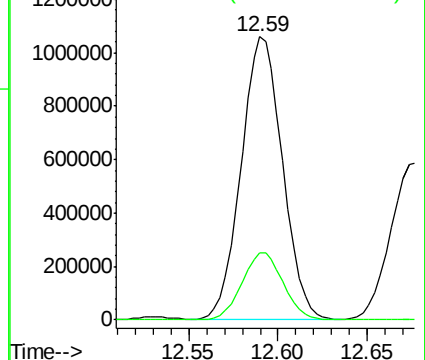
91 100

120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.254 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 987571

Ion Ratio Lower Upper

91 100

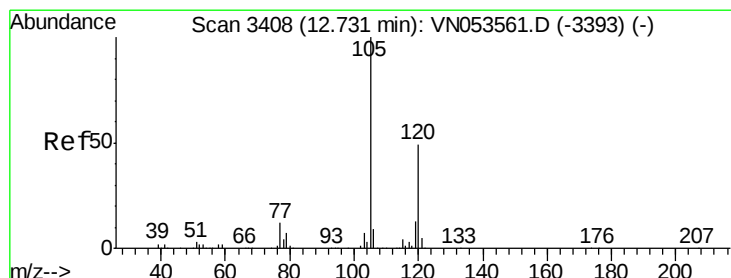
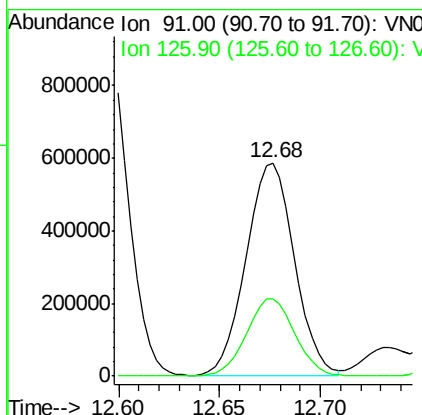
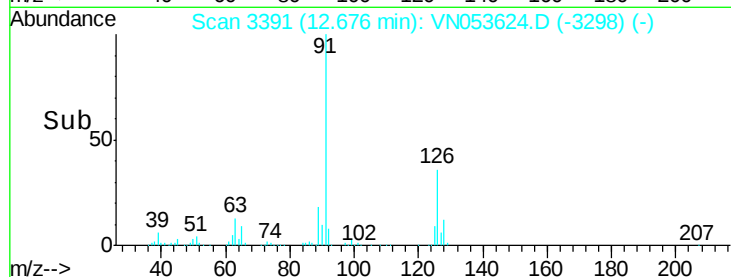
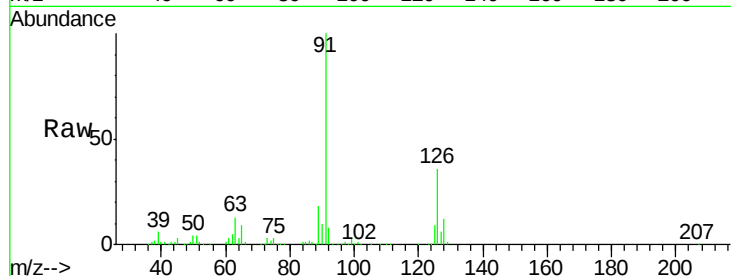
126 36.4 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.798 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053624.D

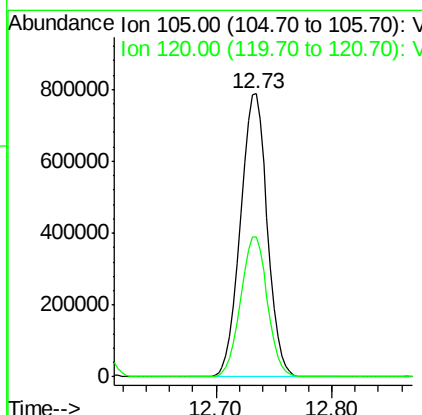
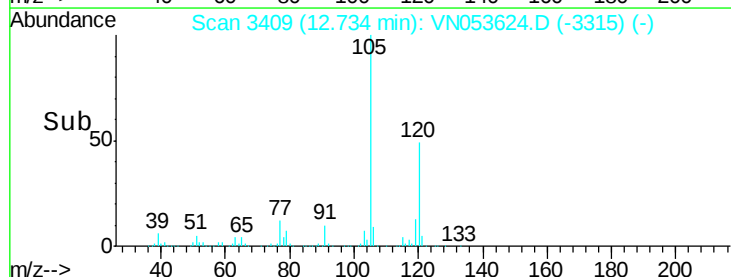
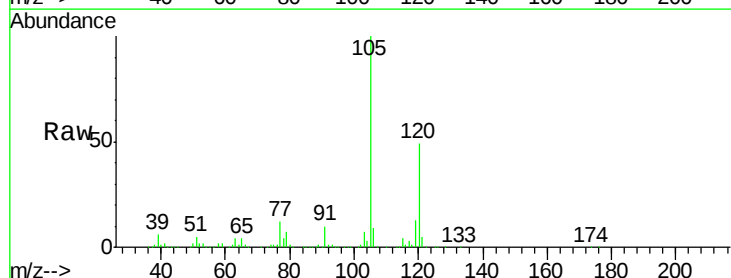
Acq: 6 Feb 2019 9:58

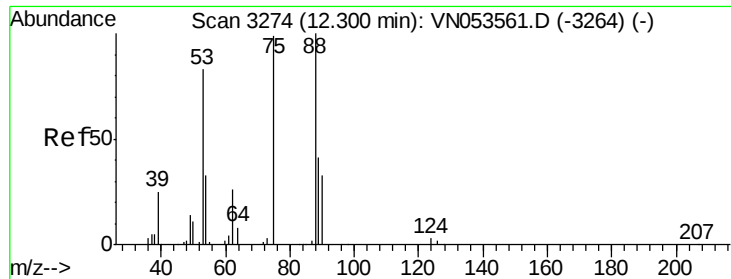
Tgt Ion: 105 Resp: 1259725

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





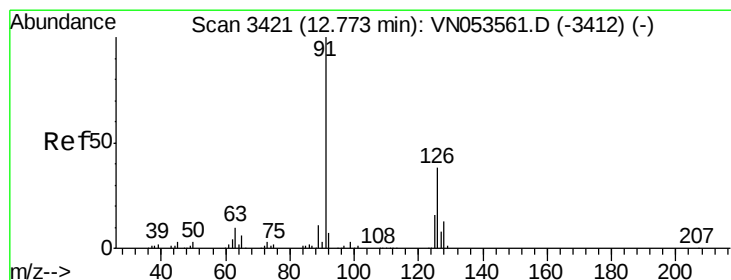
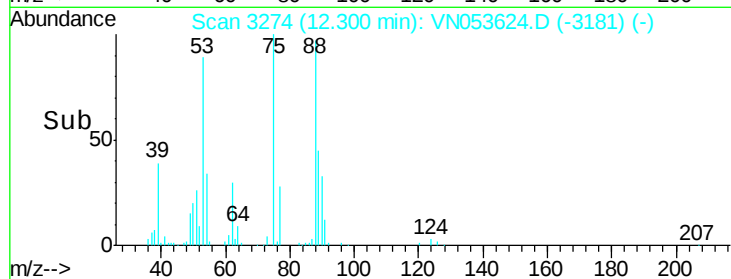
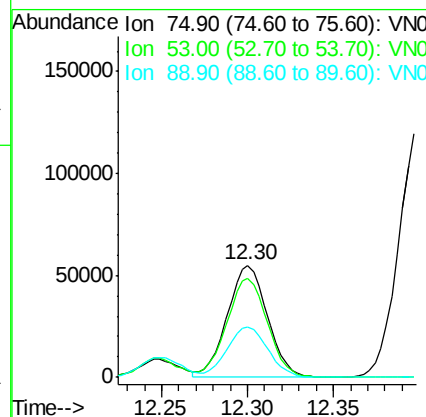
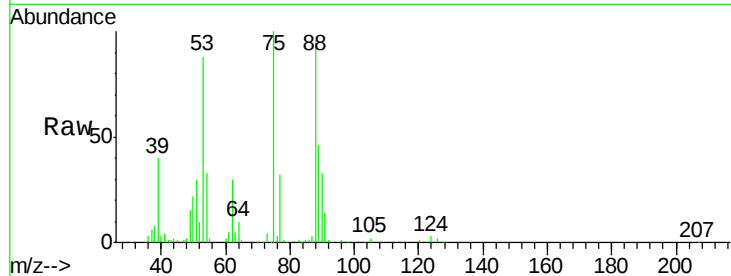
#81
trans-1,4-Dichloro-2-butene
Concen: 44.586 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	69.8	104.6
89	45.9	35.6	53.4

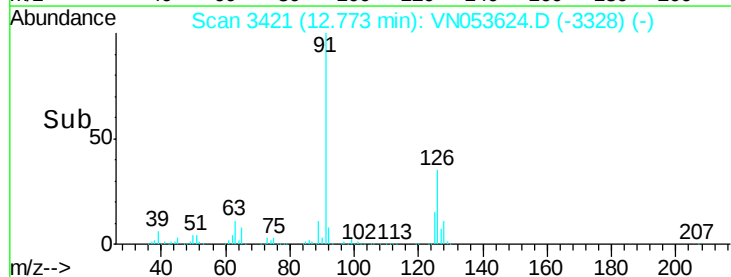
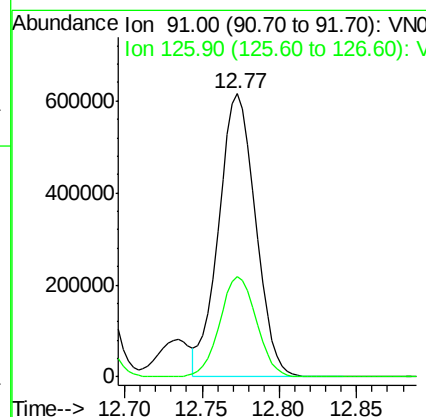
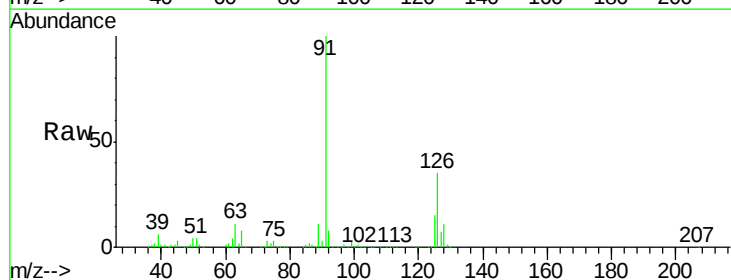
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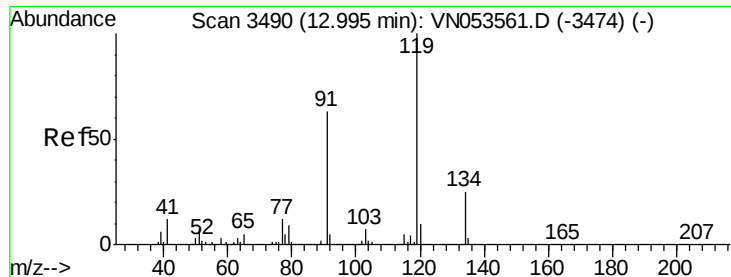
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#82
4-Chlorotoluene
Concen: 46.567 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





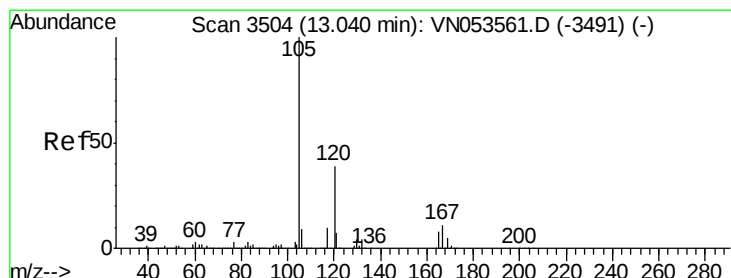
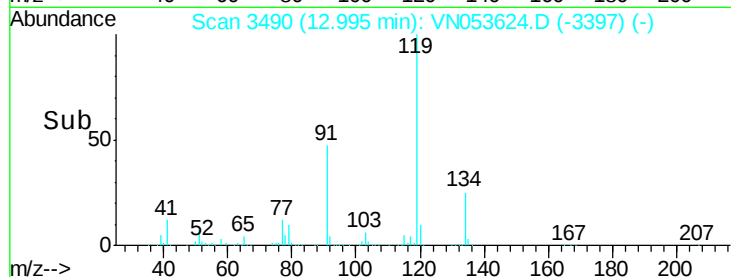
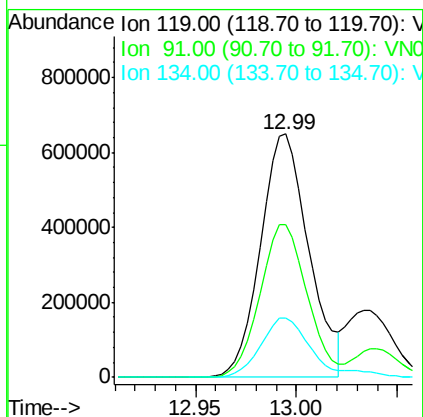
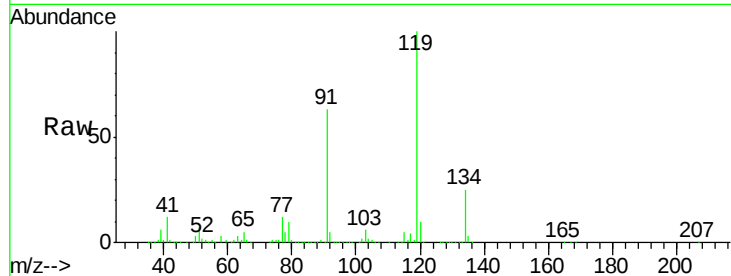
#83
tert-Butylbenzene
Concen: 47.434 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	31.3	93.8
134	26.1	12.9	38.7

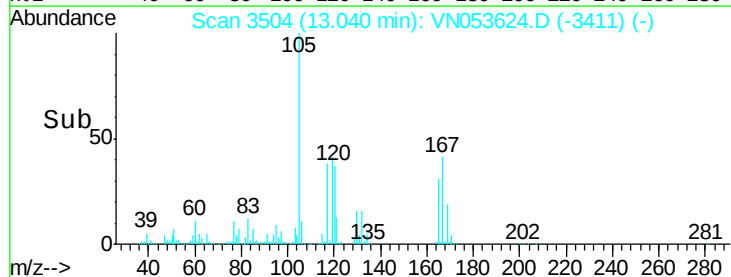
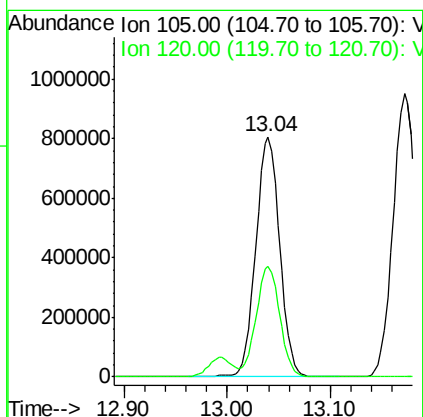
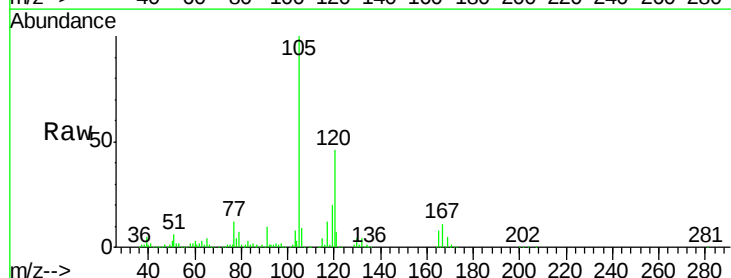
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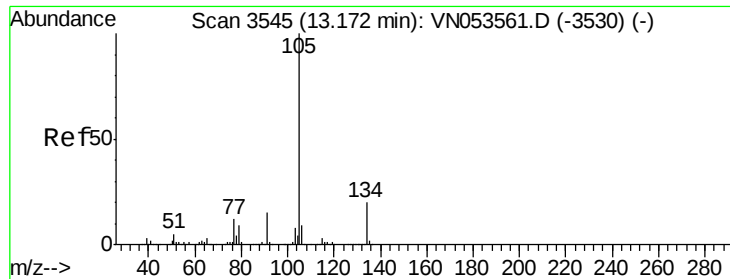
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#84
1,2,4-Trimethylbenzene
Concen: 48.939 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 48.450 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1504302

Ion Ratio Lower Upper

105 100

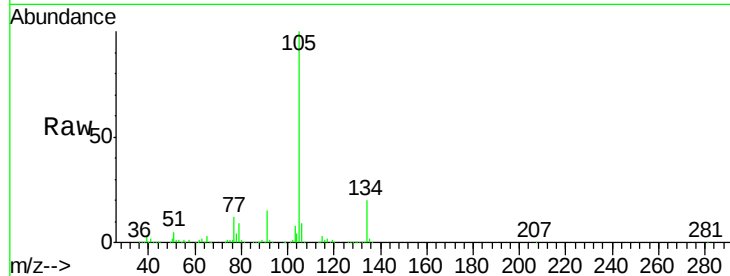
134 20.2 10.2 30.6

Manual Integrations

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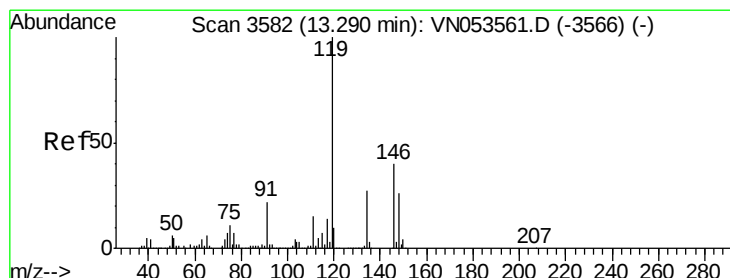
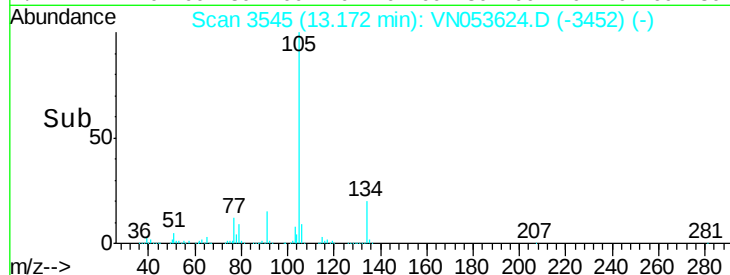
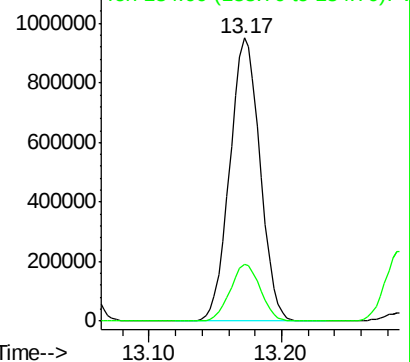
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.960 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

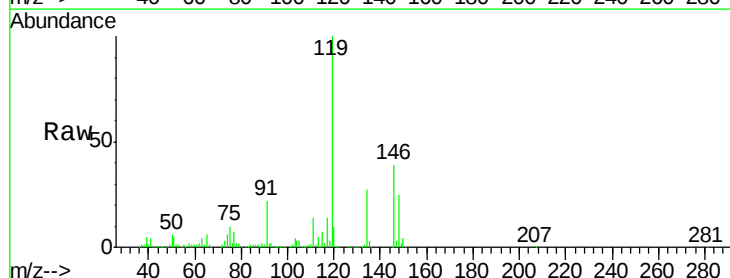
Tgt Ion:119 Resp: 1329476

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

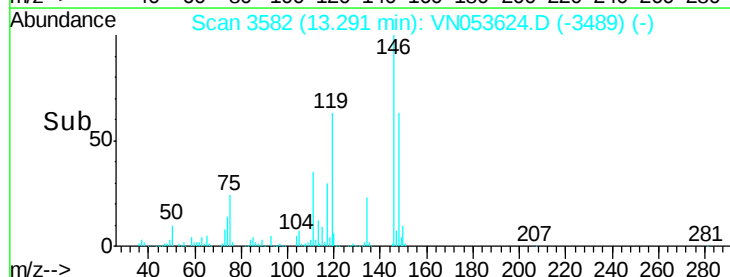
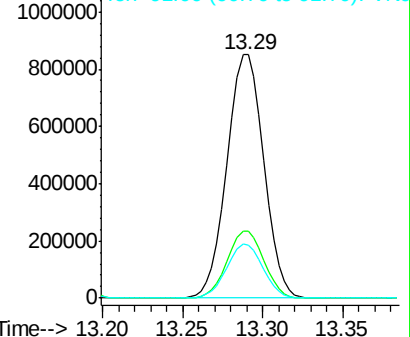
91 22.0 11.0 33.0

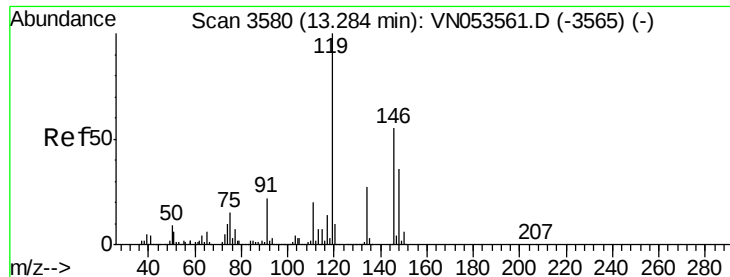


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





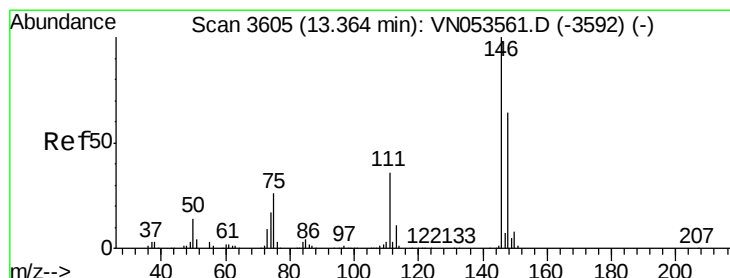
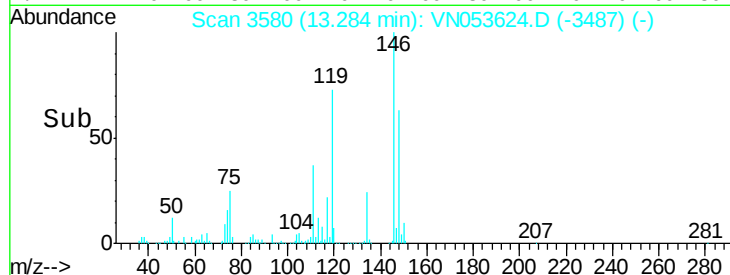
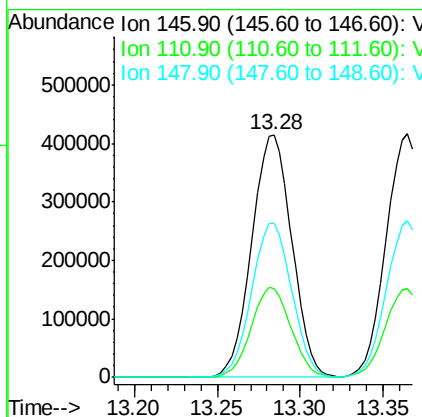
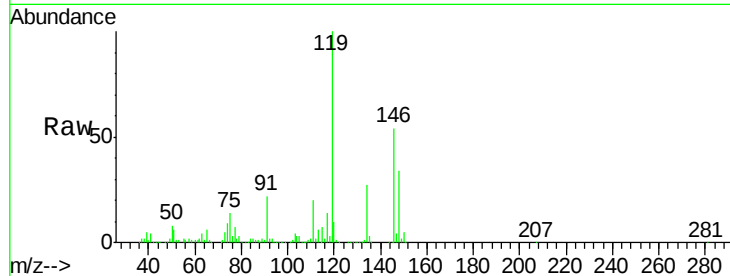
#87
 1,3-Dichlorobenzene
 Concen: 46.190 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	696655		
111	36.9	18.8	56.3	
148	63.8	32.0	96.2	

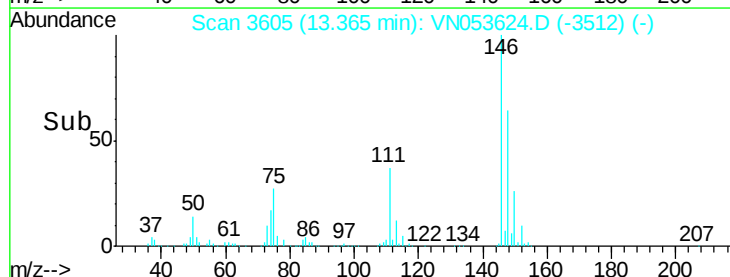
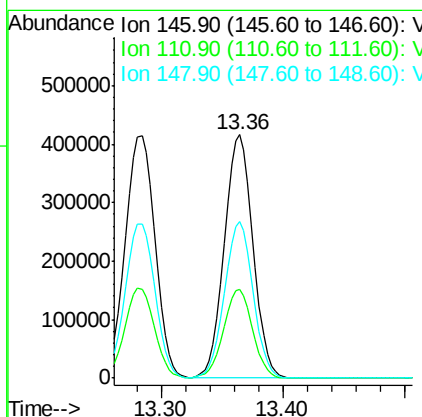
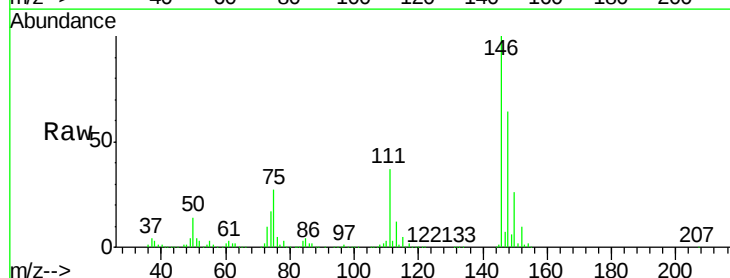
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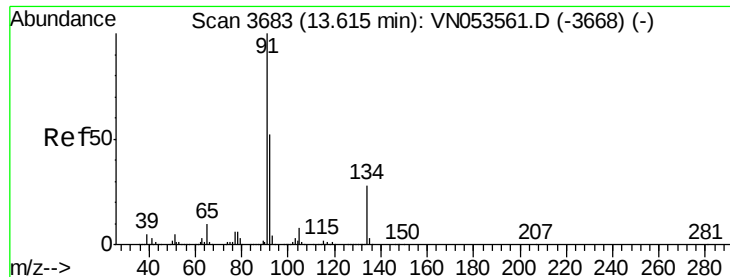
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 2/7/2019 11:04:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.969 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	685832		
111	36.9	18.6	55.8	
148	64.1	32.4	97.0	





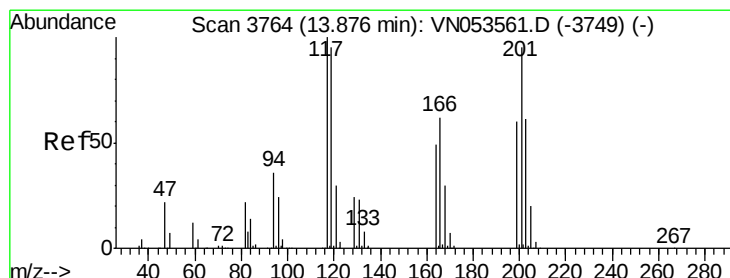
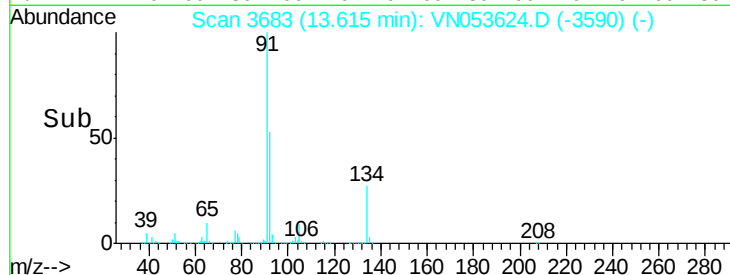
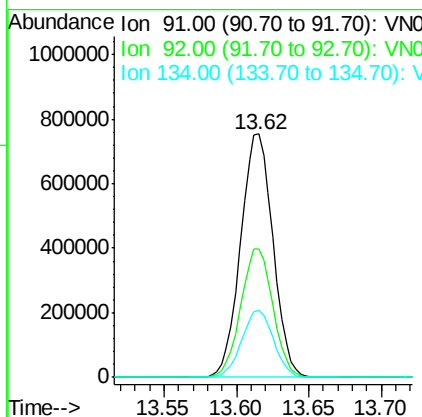
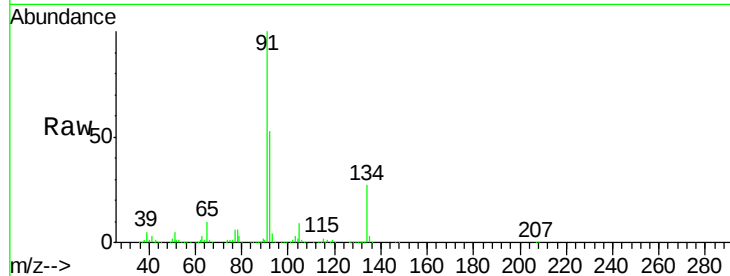
#89
n-Butylbenzene
Concen: 49.868 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1172080
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.8
134 27.0 13.5 40.5

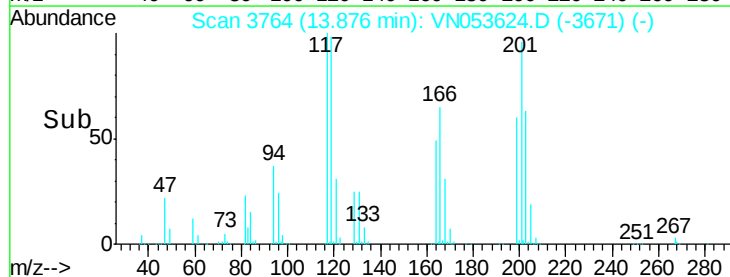
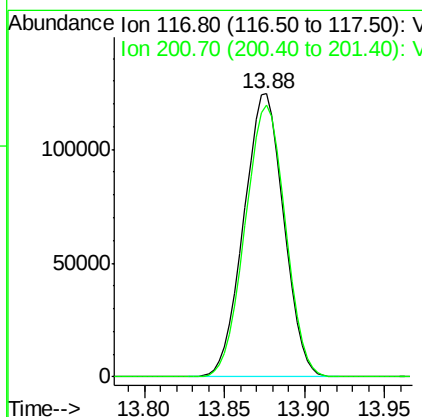
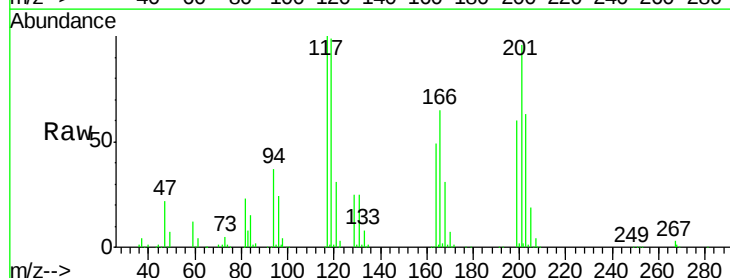
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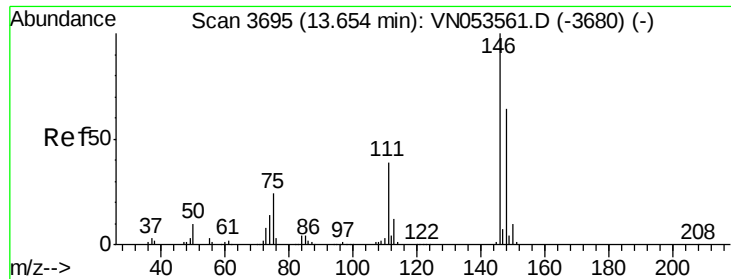
MMDadoda
2/7/2019 11:04:10 AM



#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion: 117 Resp: 213491
Ion Ratio Lower Upper
117 100
201 96.6 46.8 140.4





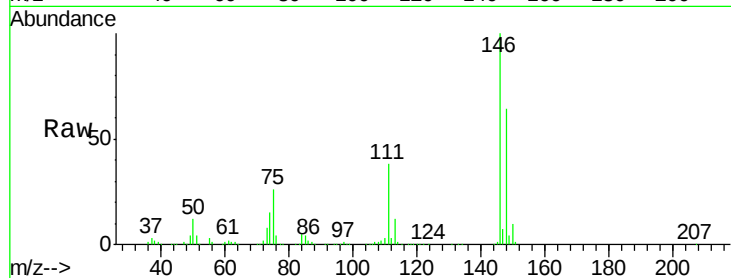
#91
1,2-Dichlorobenzene
Concen: 46.403 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

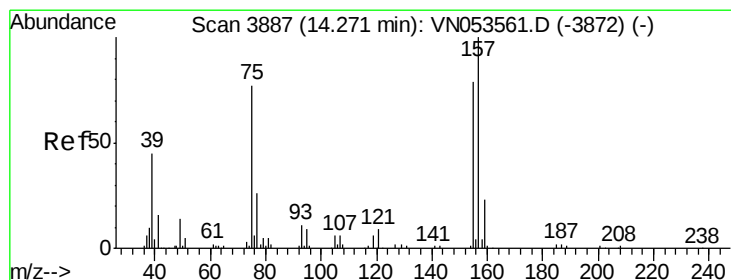
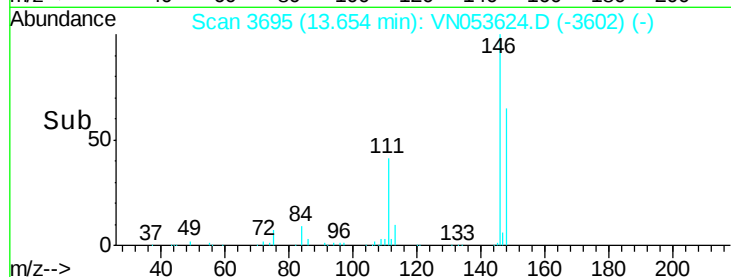
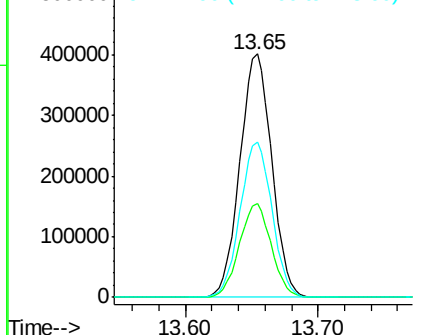
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.8	31.9	95.9

Manual Integrations
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MMDadoda
2/7/2019 11:04:10 AM

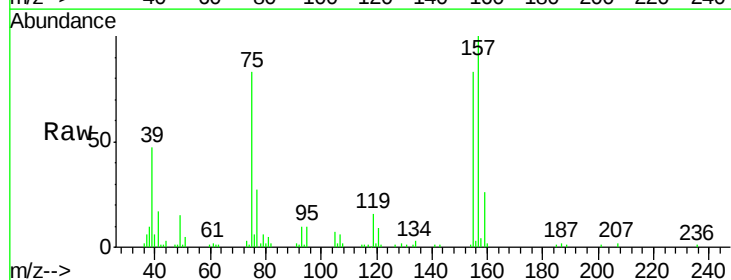


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

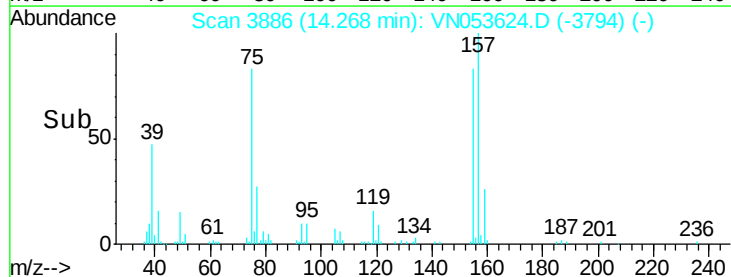
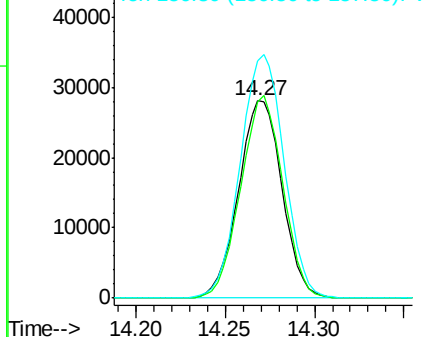


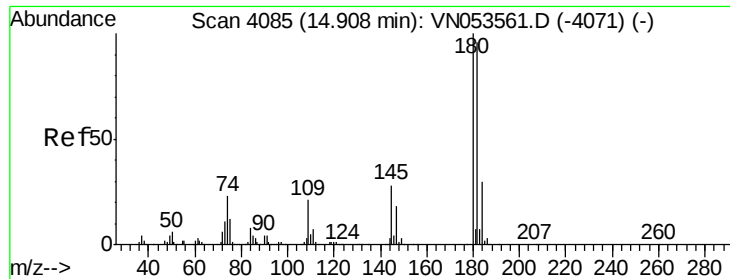
#92
1,2-Dibromo-3-Chloropropane
Concen: 44.970 ug/l
RT: 14.27 min Scan# 3886
Delta R.T. -0.00 min
Lab File: VN053624.D
Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.9	146.7
157	124.5	63.7	191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





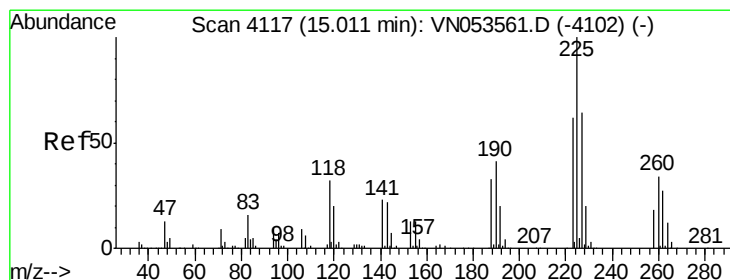
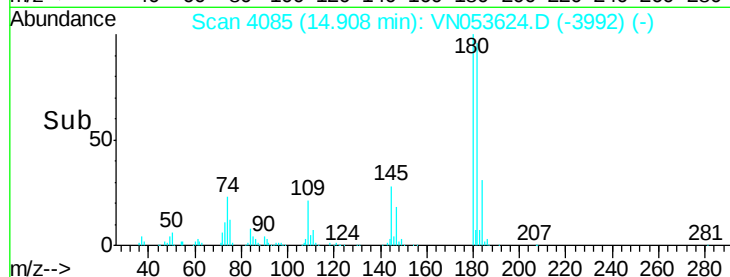
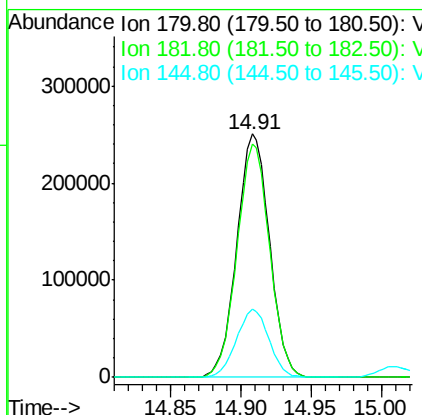
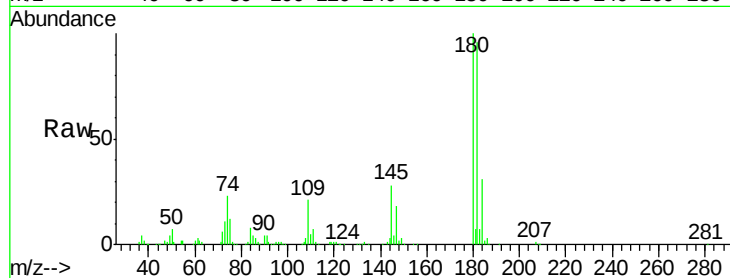
#93
 1,2,4-Trichlorobenzene
 Concen: 49.158 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	407091		
182	95.6	48.1	144.3	
145	27.9	13.9	41.6	

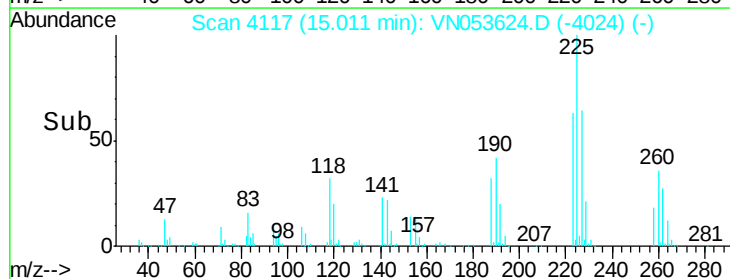
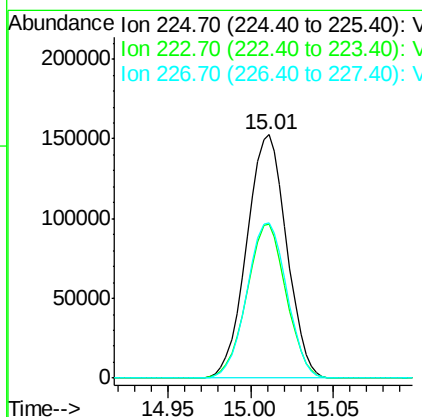
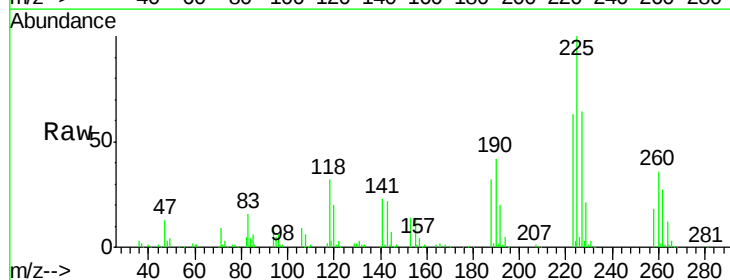
Manual Integrations
 APPROVED

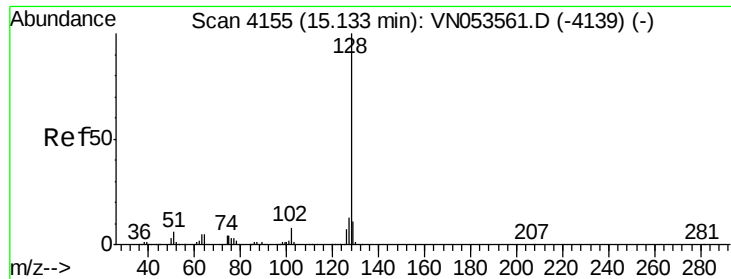
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#94
 Hexachlorobutadiene
 Concen: 49.341 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053624.D
 Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	254461		
223	62.4	31.1	93.2	
227	64.0	32.0	96.2	





#95

Naphthalene

Concen: 41.800 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Instrument :

MSVOA_N

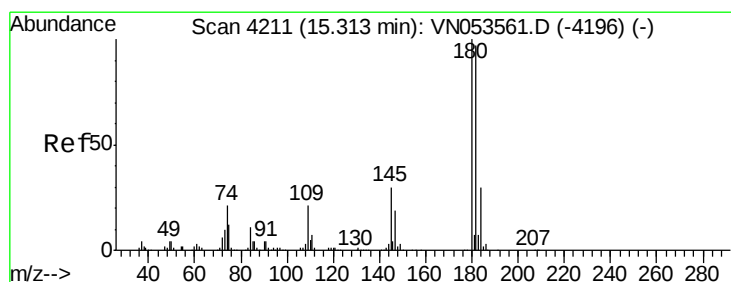
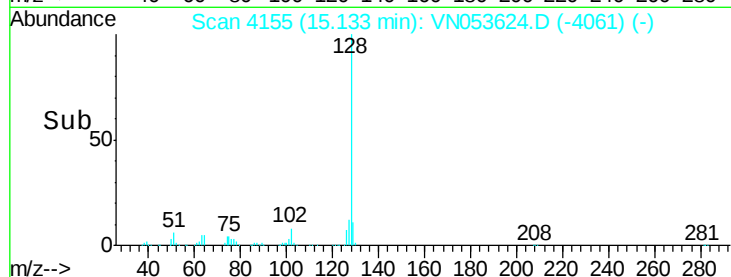
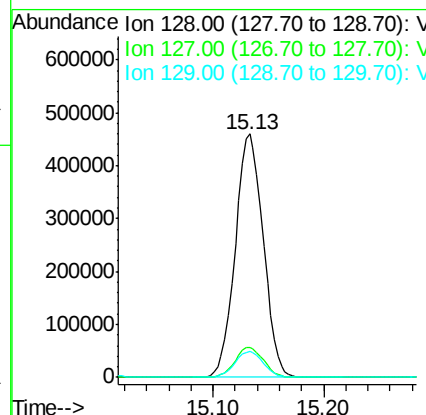
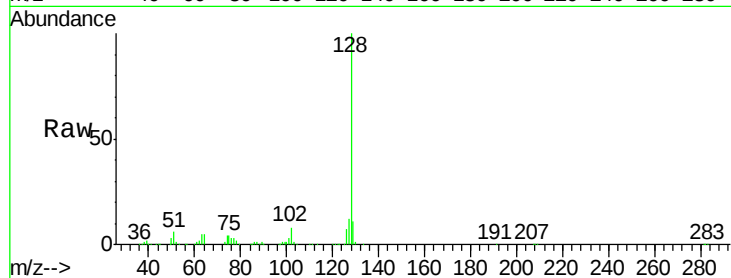
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/7/2019 11:04:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.612 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053624.D

Acq: 6 Feb 2019 9:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.8
145	29.5	14.7	44.1

